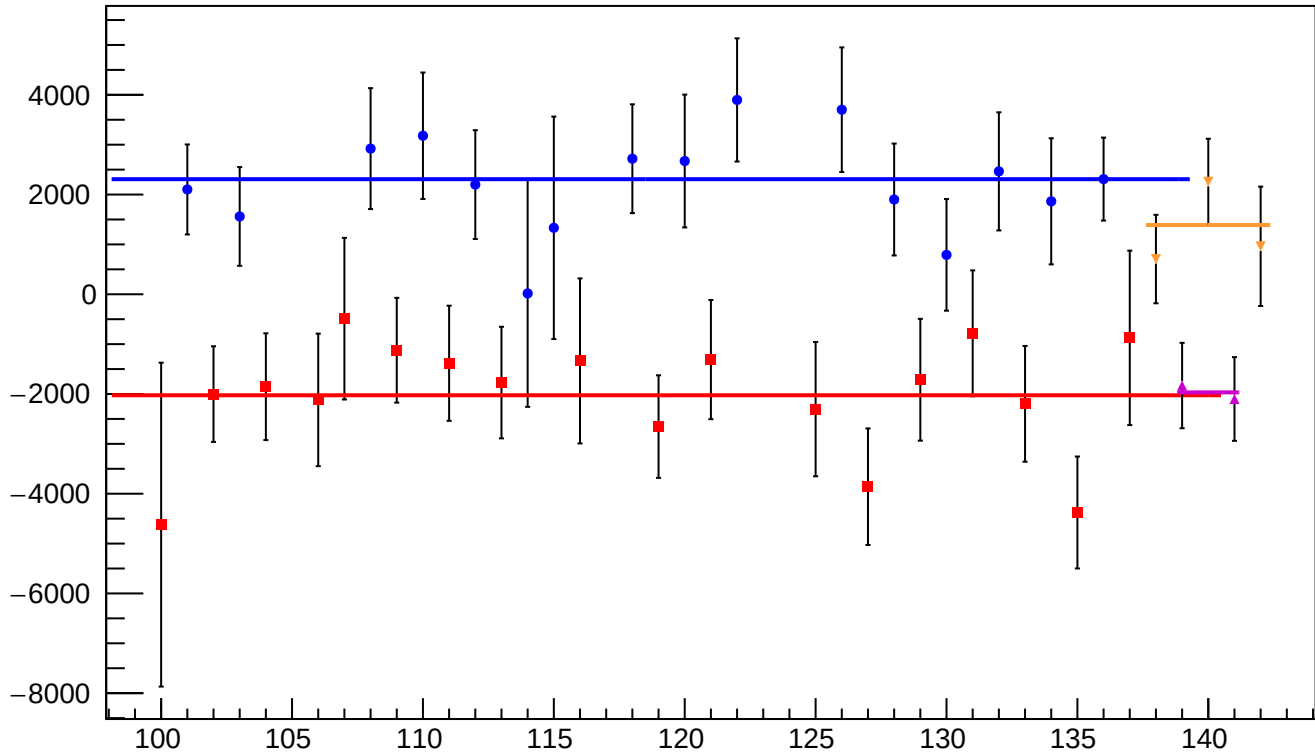


reg_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431

χ^2/NDF : 7.8/15

+ sign 2107.446+/-256.774

χ^2/NDF : 11.7/18

Left Out: 1388.917+/-549.519

χ^2/NDF : 1.7/2

All: 79.375+/-183.014

χ^2/NDF : 150.5/38

Right Out: -2025.627+/-289.797

χ^2/NDF : 11.9/17

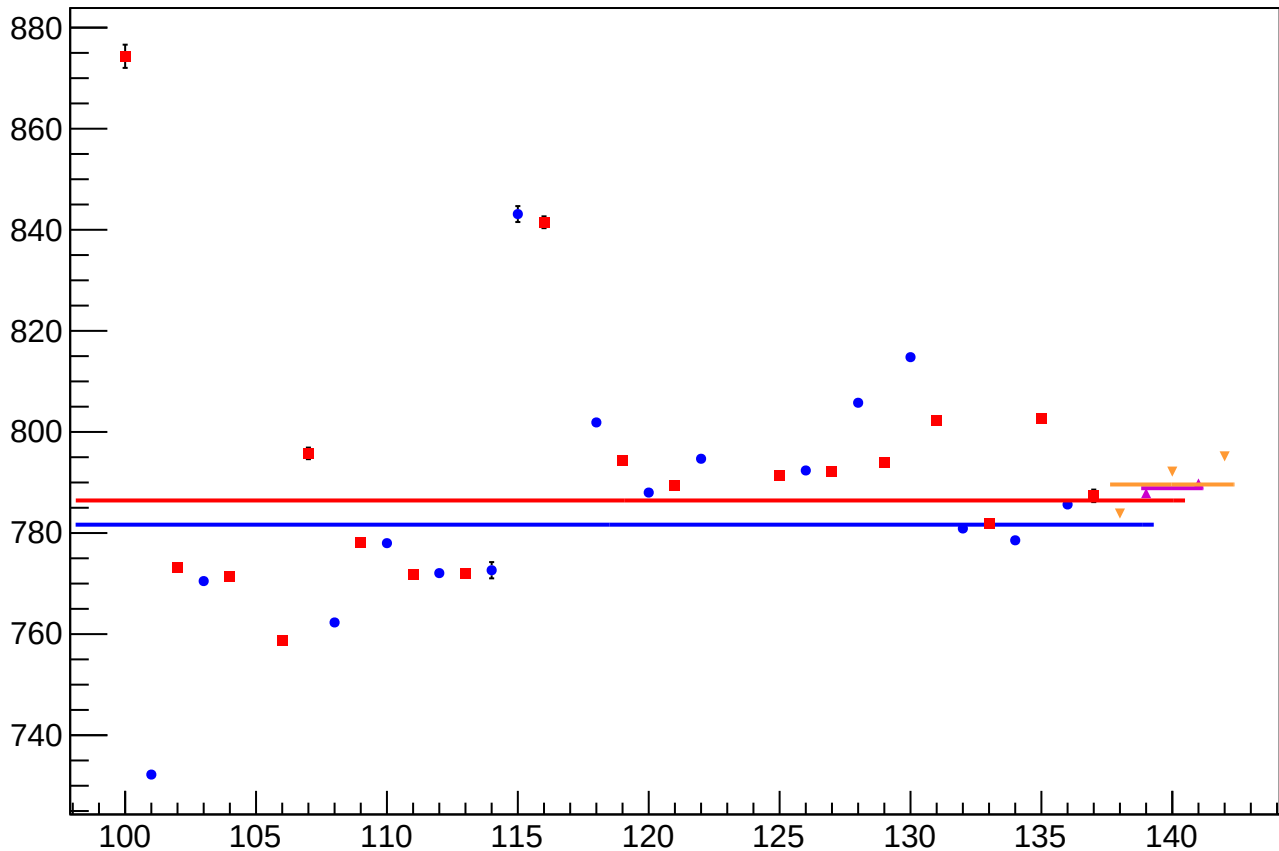
- sign -2014.671+/-260.917

χ^2/NDF : 12.0/19

Left In: -1967.774+/-599.568

χ^2/NDF : 0.1/1

reg_asym_us_avg_rms vs Slug



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

Left Out: 789.606 $\pm$ 0.389 χ^2 /NDF:144.5/2

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

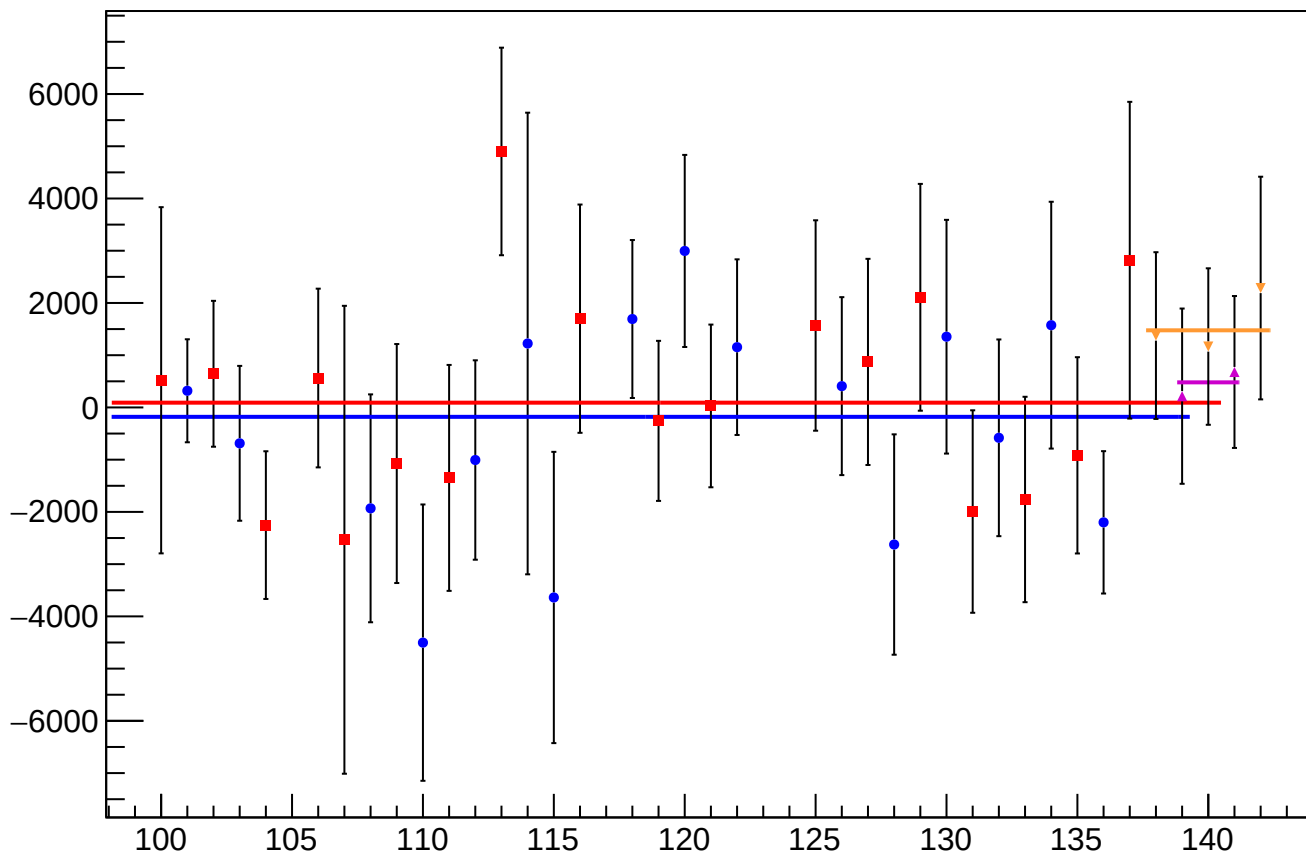
Left In: 788.870 $\pm$ 0.424 χ^2 /NDF:5.1/1

+ sign 783.390 $\pm$ 0.182 χ^2 /NDF: 12790.8/18

All: 785.118 $\pm$ 0.129 χ^2 /NDF: 20208.2/38

- sign 786.903 $\pm$ 0.184 χ^2 /NDF: 7233.2/19

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: 1476.444 ± 972.028 χ^2/NDF : 0.2/2

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

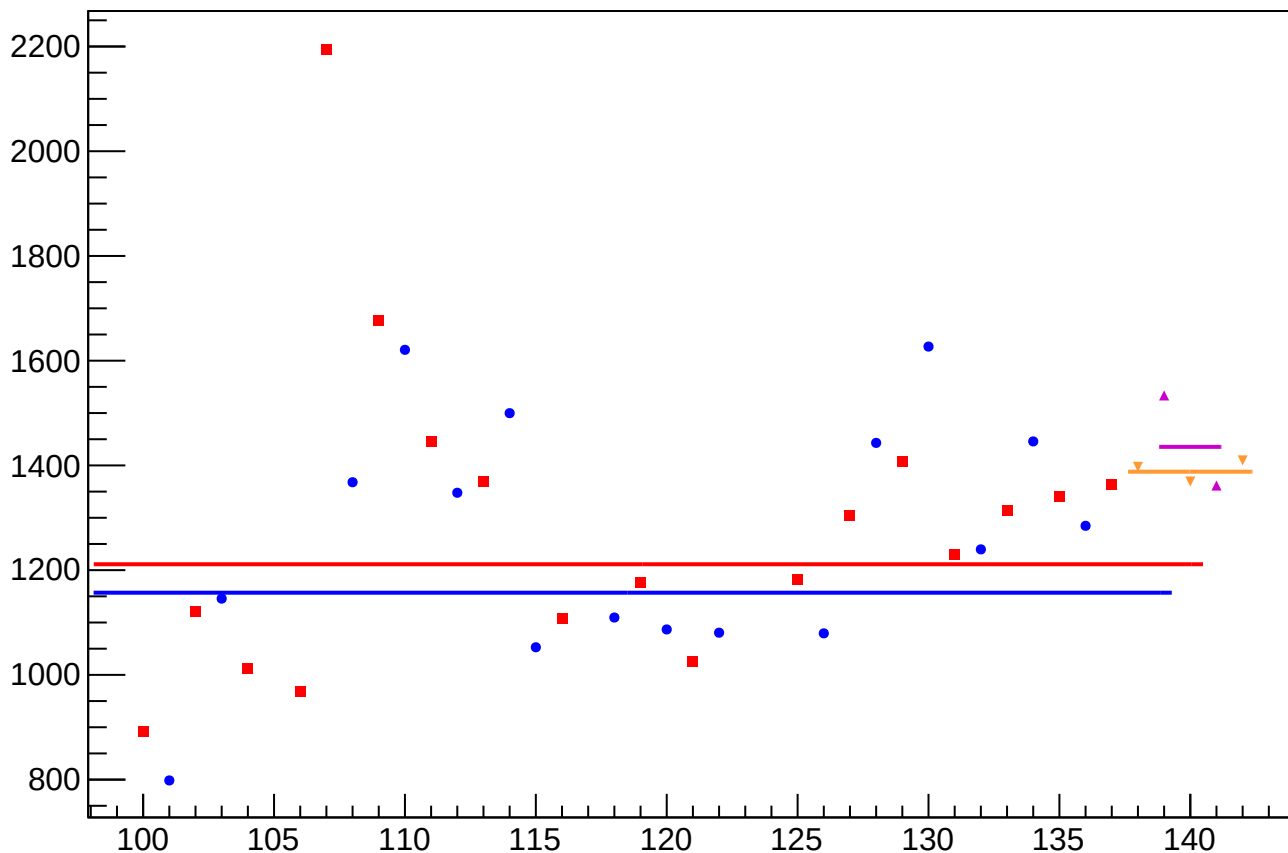
Left In: 480.146 ± 1098.767 χ^2/NDF : 0.0/1

+ sign 102.570 ± 401.428 χ^2/NDF : 18.0/18

All: 124.326 ± 290.273 χ^2/NDF : 33.3/38

- sign 148.168 ± 420.233 χ^2/NDF : 15.3/19

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1388.025+/-0.687 χ^2/NDF : 584.4/2

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

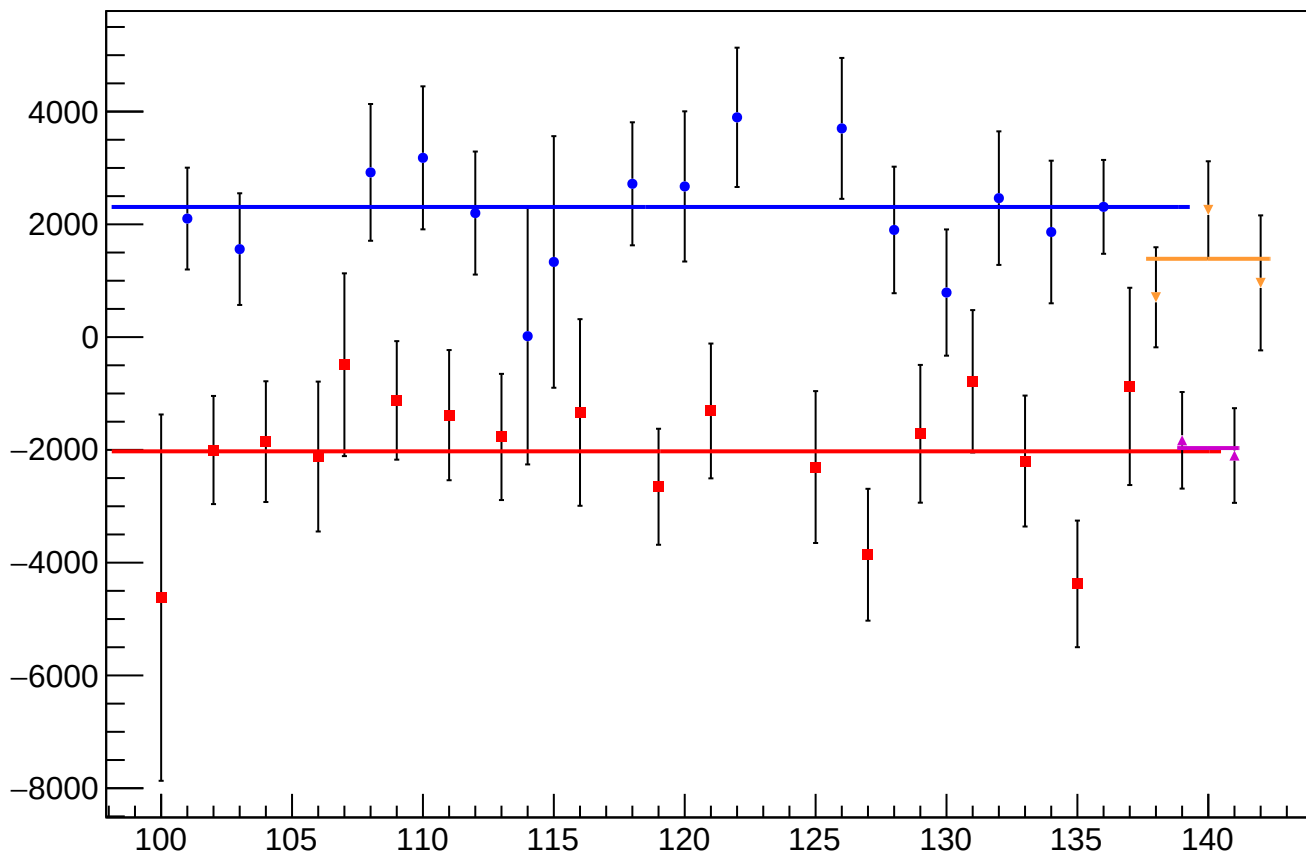
Left In: 1435.424+/-0.777 χ^2/NDF : 12009.4/1

+ sign 1196.359+/-0.284 χ^2/NDF : 663454.8/18

All: 1219.115+/-0.205 χ^2/NDF : 1157713.9/38

- sign 1244.053+/-0.297 χ^2/NDF : 480788.9/19

cor_asym_us_avg_mean vs Slug



Right In: 2308.155 $\pm$ 290.431 χ^2/NDF : 7.8/15

Left Out: 1388.917 $\pm$ 549.519 χ^2/NDF : 1.7/2

Right Out: -2025.627 $\pm$ 289.797 χ^2/NDF : 11.9/17

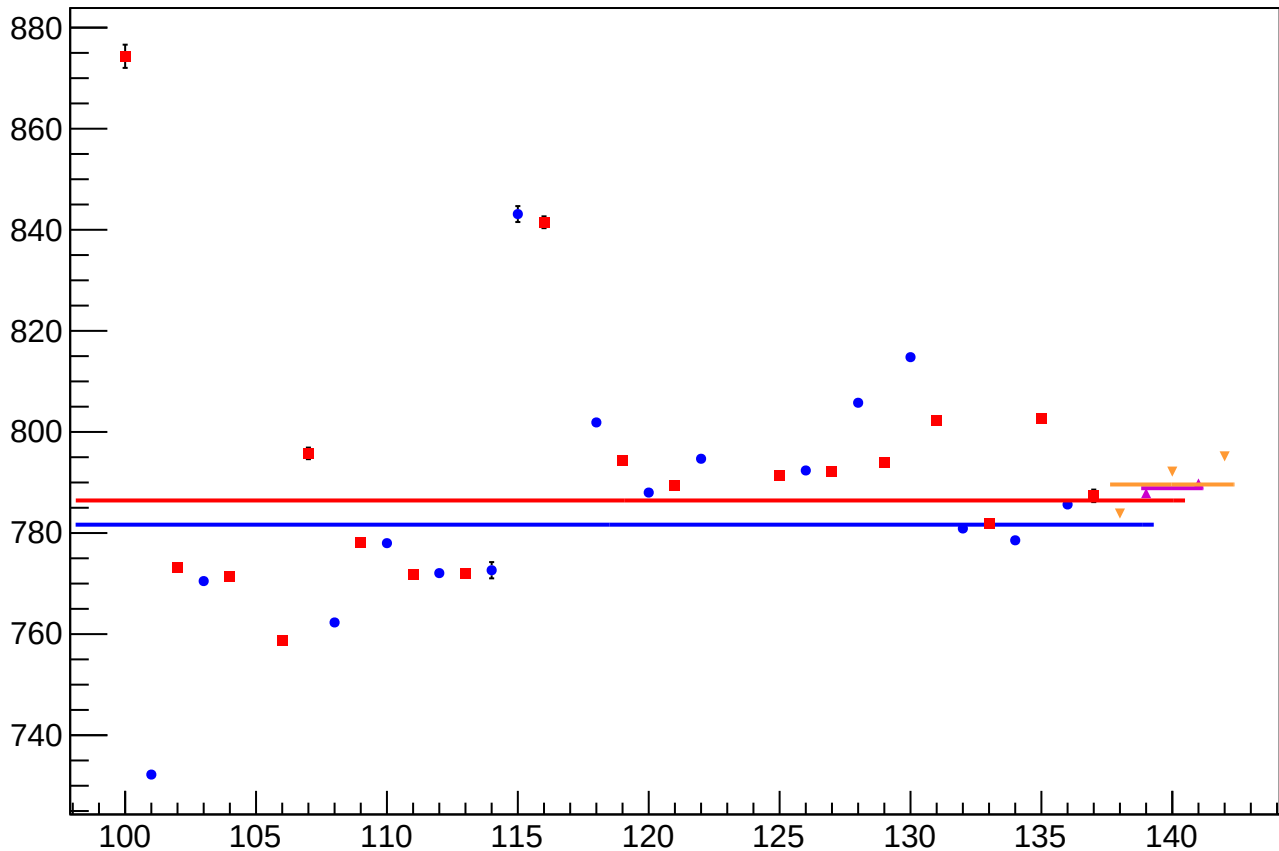
Left In: -1967.774 $\pm$ 599.568 χ^2/NDF : 0.1/1

+ sign 2107.446 $\pm$ 256.774 χ^2/NDF : 11.7/18

All: 79.375 $\pm$ 183.014 χ^2/NDF : 150.5/38

- sign -2014.671 $\pm$ 260.917 χ^2/NDF : 12.0/19

cor_asym_us_avg_rms vs Slug



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

Left Out: 789.606 $\pm$ 0.389 χ^2/NDF : 144.5/2

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

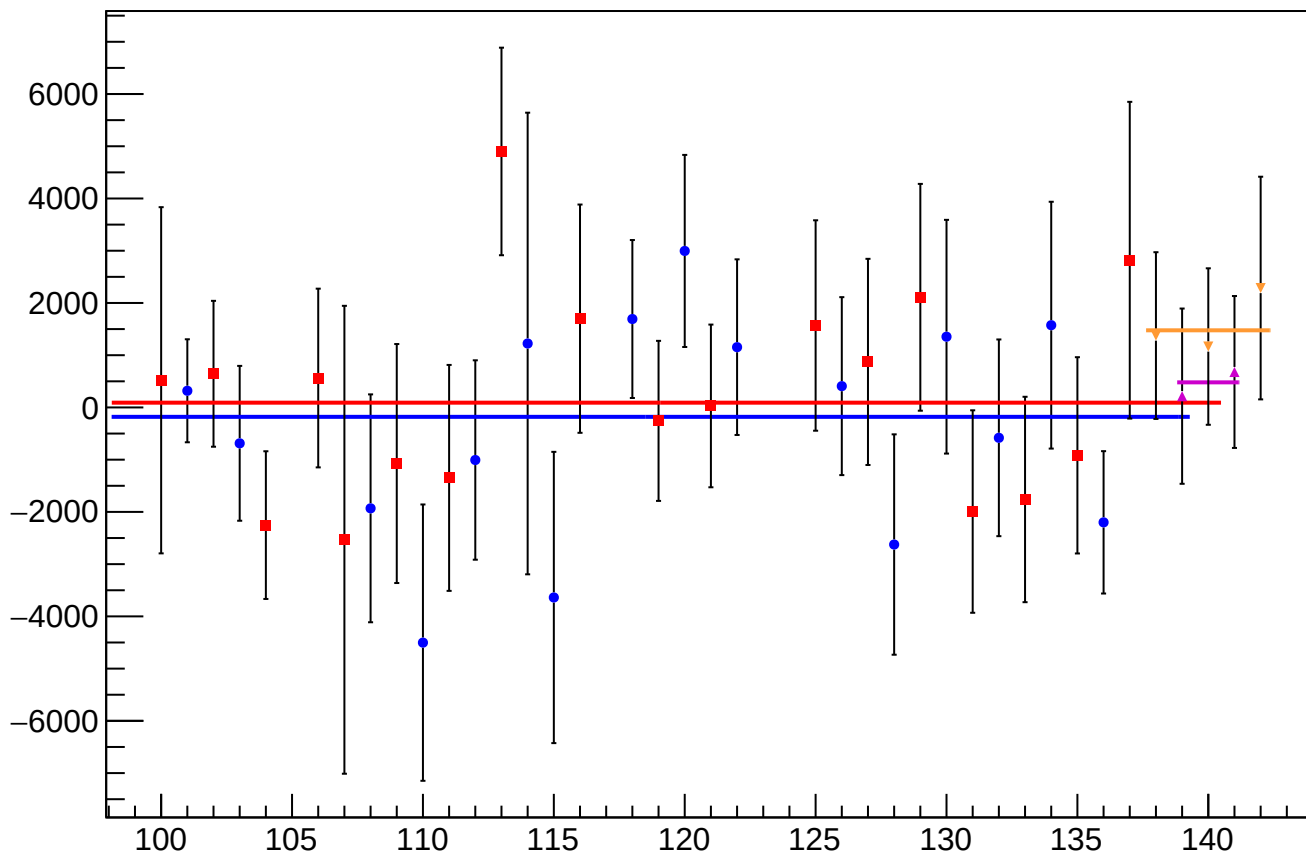
Left In: 788.870 $\pm$ 0.424 χ^2/NDF : 5.1/1

+ sign 783.390 $\pm$ 0.182 χ^2/NDF : 12790.8/18

All: 785.118 $\pm$ 0.129 χ^2/NDF : 20208.2/38

- sign 786.903 $\pm$ 0.184 χ^2/NDF : 7233.2/19

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: 1476.444 ± 972.028 χ^2/NDF : 0.2/2

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

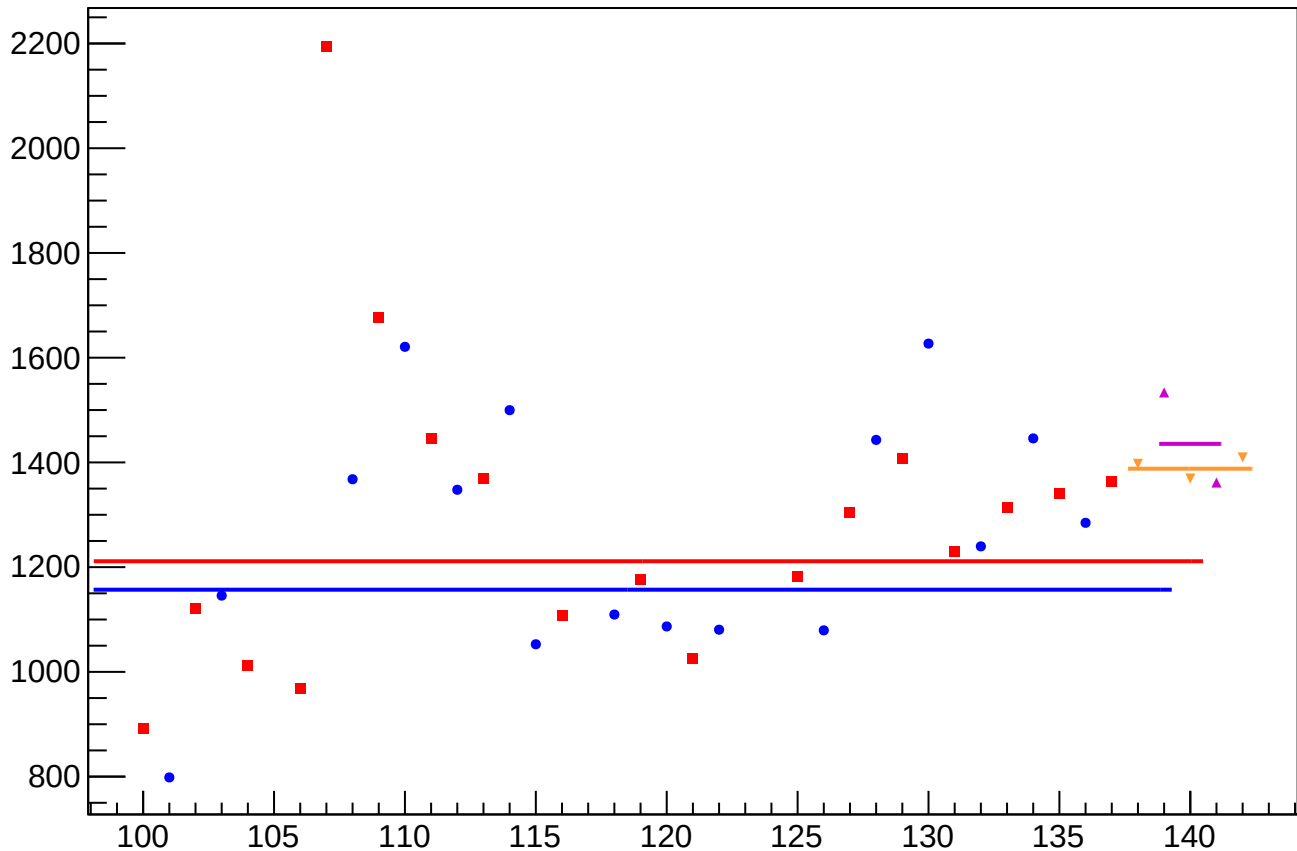
Left In: 480.146 ± 1098.767 χ^2/NDF : 0.0/1

+ sign 102.570 ± 401.428 χ^2/NDF : 18.0/18

All: 124.326 ± 290.273 χ^2/NDF : 33.3/38

- sign 148.168 ± 420.233 χ^2/NDF : 15.3/19

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1388.025+/-0.687 χ^2/NDF : 584.4/2

+ sign 1196.359+/-0.284 χ^2/NDF : 663454.8/18

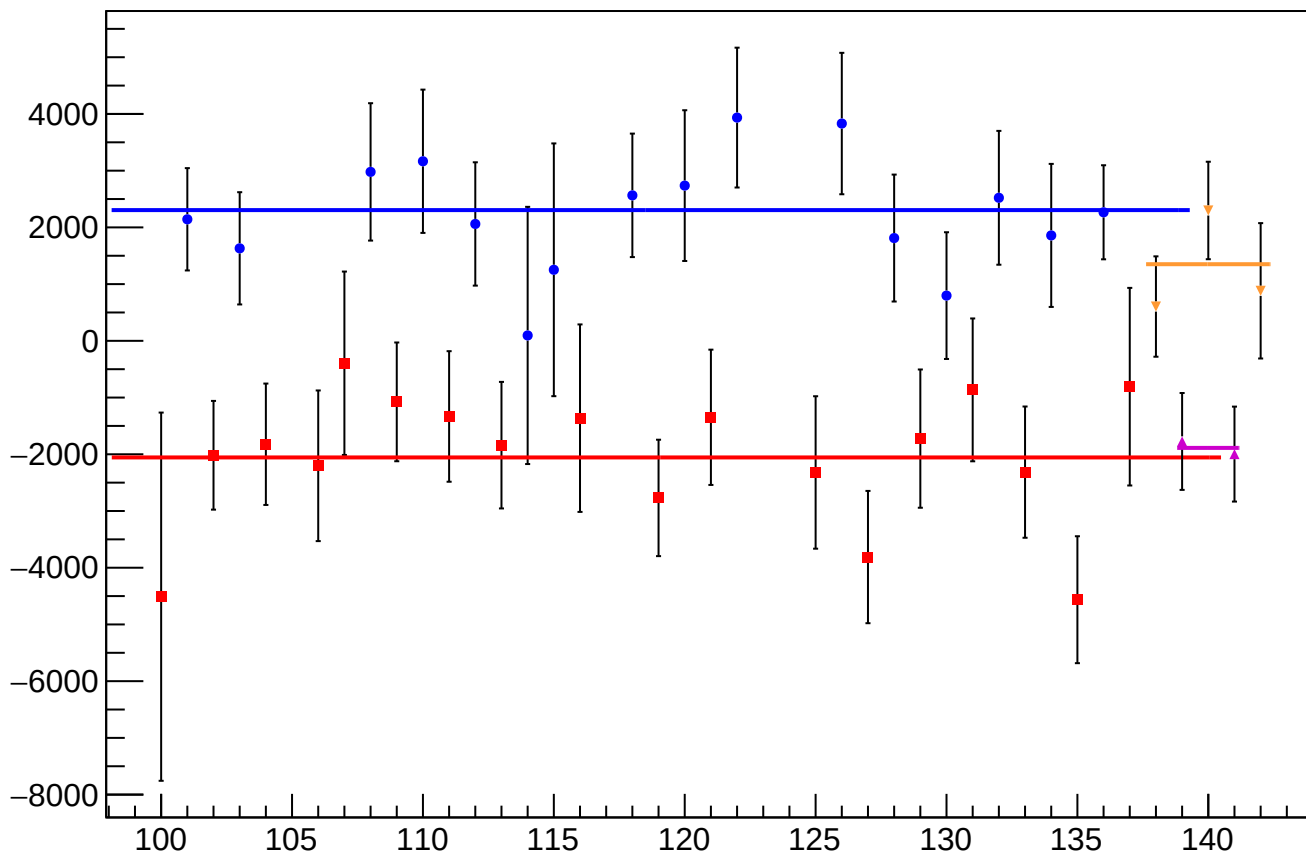
Right Out: 1211.264+/-0.322 χ^2/NDF : 397714.5/17

All: 1219.115+/-0.205 χ^2/NDF : 1157713.9/38

- sign 1244.053+/-0.297 χ^2/NDF : 480788.9/19

Left In: 1435.424+/-0.777 χ^2/NDF : 12009.4/1

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1350.982 $\pm$ 547.691 χ^2 /NDF:2.1/2

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

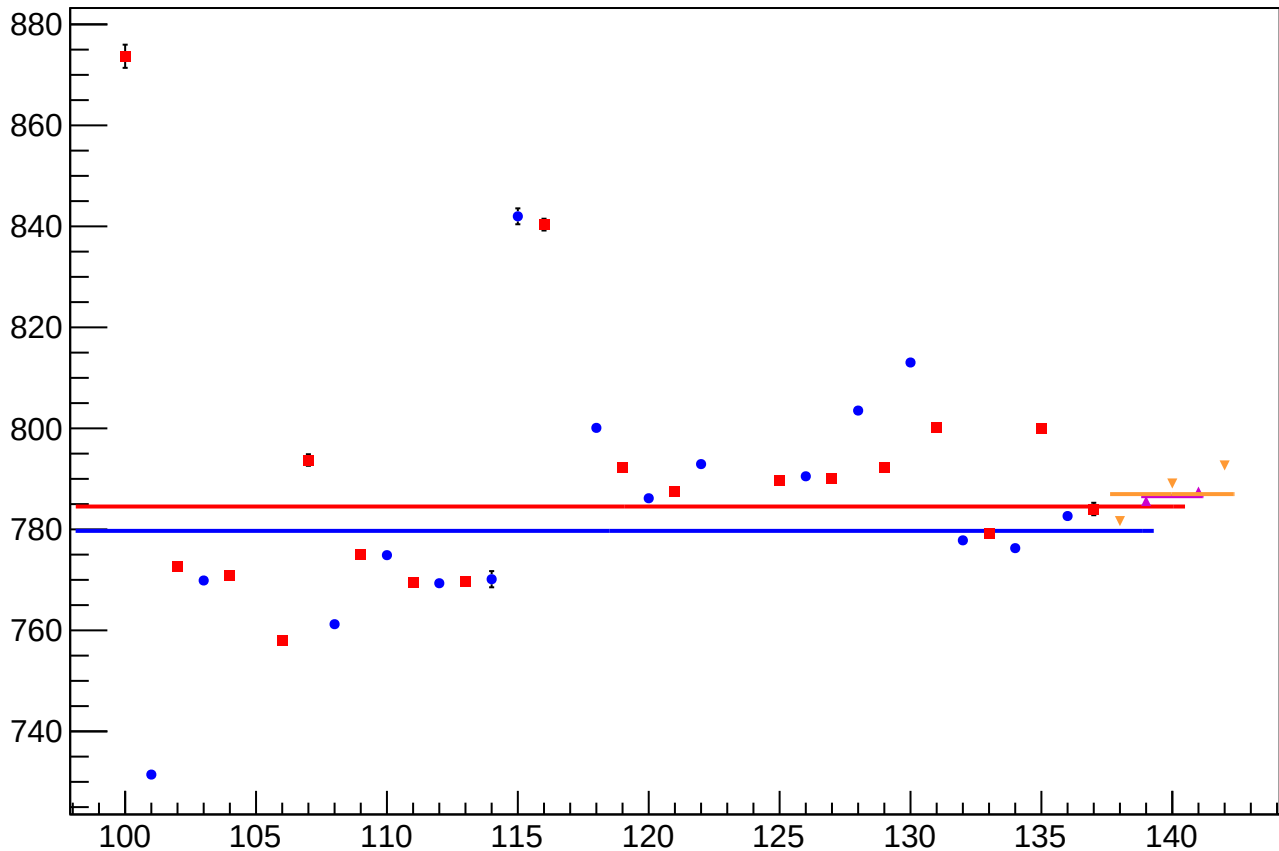
Left In: -1887.495 $\pm$ 597.817 χ^2 /NDF:0.0/1

+ sign 2096.314 $\pm$ 256.085 χ^2 /NDF: 12.5/18

All: 69.548 $\pm$ 182.537 χ^2 /NDF: 152.8/38

- sign -2023.794 $\pm$ 260.257 χ^2 /NDF: 13.0/19

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 786.983 $\pm$ 0.387 χ^2 /NDF:130.2/2

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

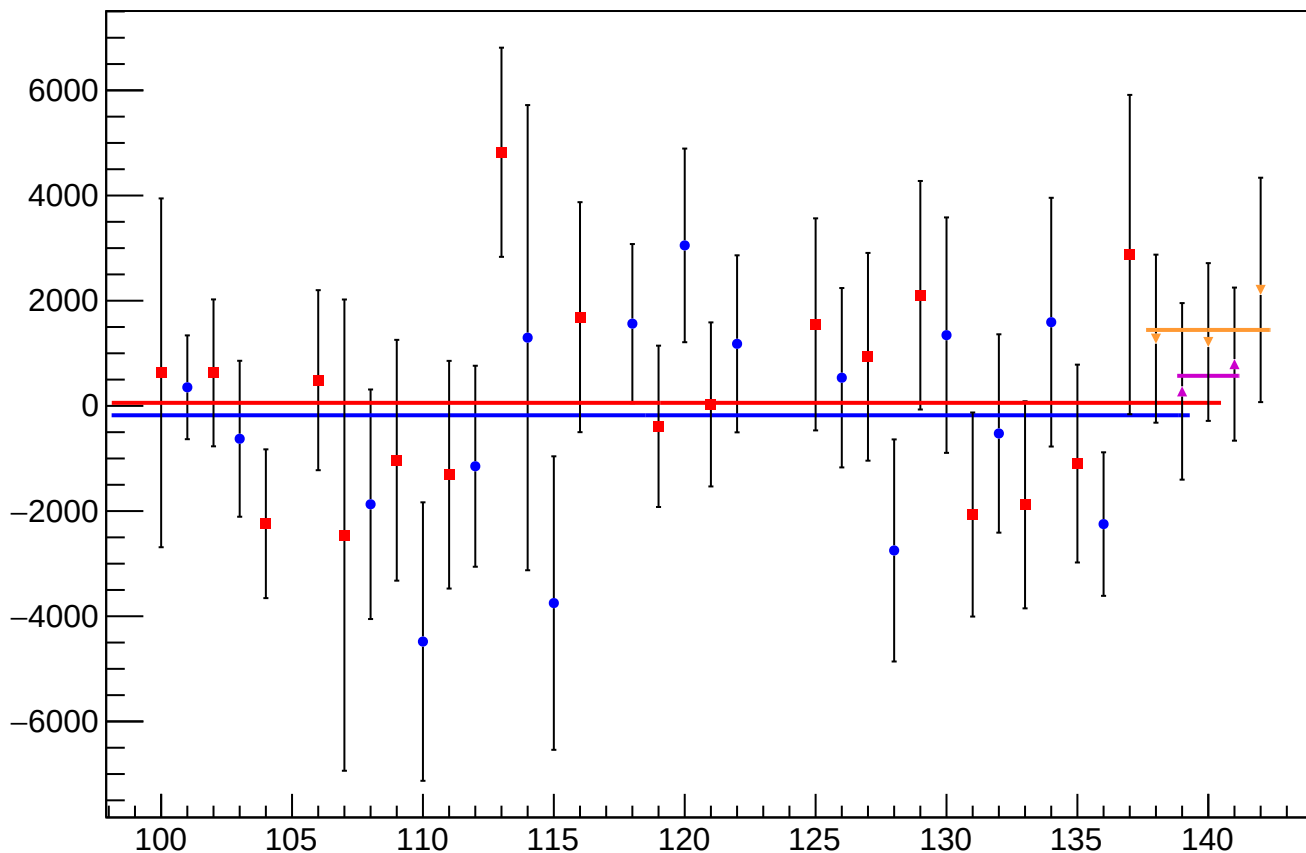
Left In: 786.570 $\pm$ 0.423 χ^2 /NDF:4.9/1

+ sign 781.294 $\pm$ 0.181 χ^2 /NDF: 12466.6/18

All: 783.074 $\pm$ 0.129 χ^2 /NDF: 19846.9/38

- sign 784.912 $\pm$ 0.184 χ^2 /NDF: 7183.9/19

asym_us_avg_overload_cor_correction_mean vs Slug



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

Left Out: 1444.340 ± 973.077 χ^2/NDF : 0.2/2

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

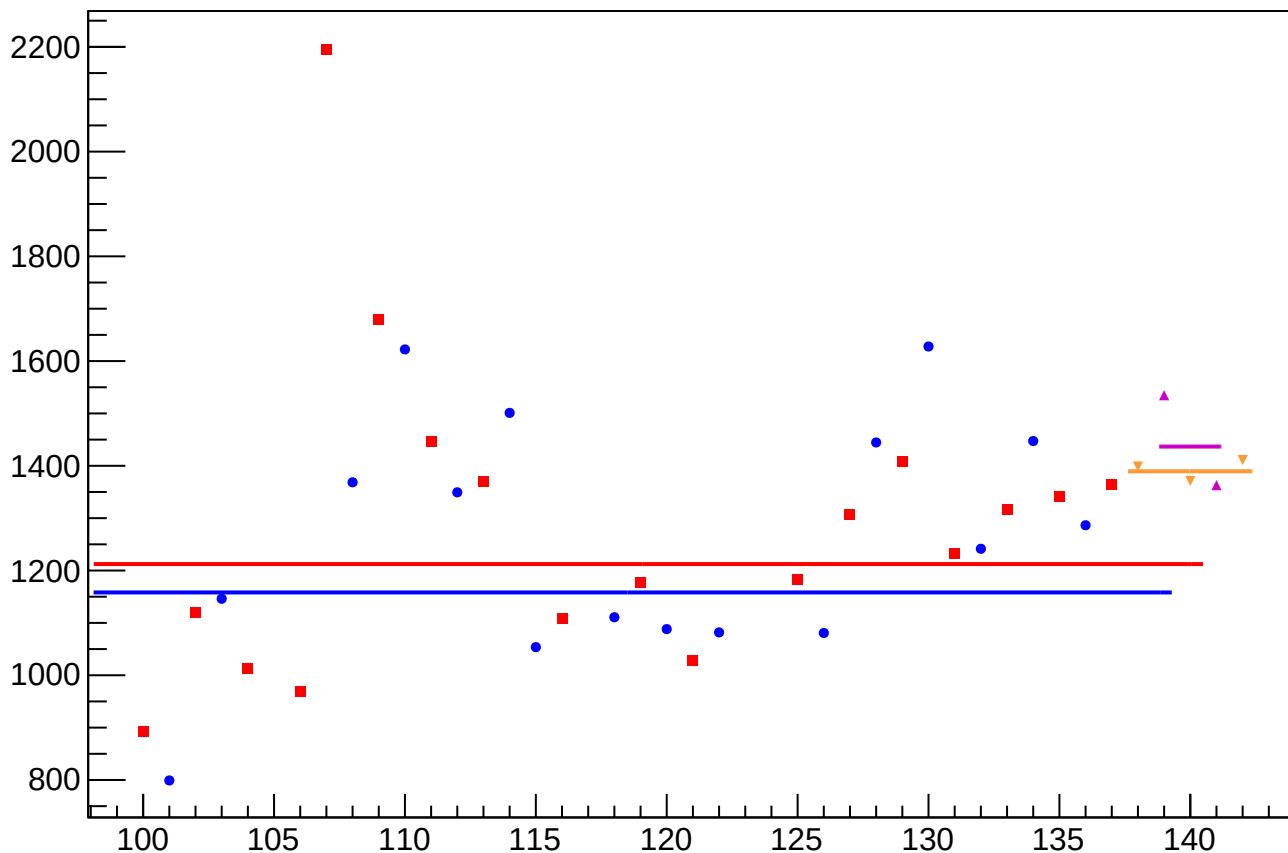
Left In: 571.866 ± 1099.722 χ^2/NDF : 0.1/1

+ sign 98.285 ± 401.839 χ^2/NDF : 18.2/18

All: 114.947 ± 290.551 χ^2/NDF : 33.7/38

- sign 133.203 ± 420.606 χ^2/NDF : 15.5/19

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1389.545+/-0.688 χ^2/NDF : 570.5/2

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

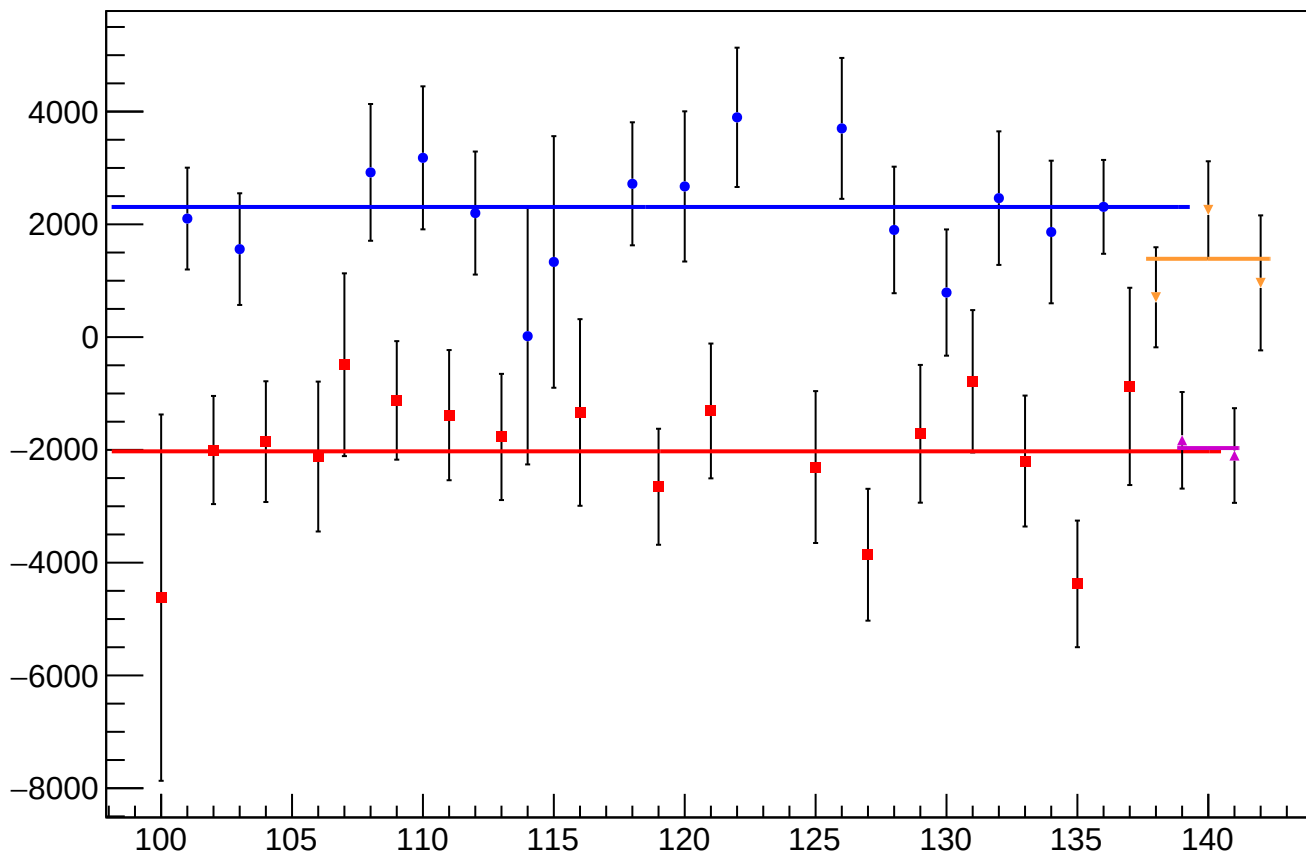
Left In: 1436.692+/-0.778 χ^2/NDF : 11941.8/1

+ sign 1197.597+/-0.284 χ^2/NDF : 663537.5/18

All: 1220.296+/-0.205 χ^2/NDF : 1157848.4/38

- sign 1245.164+/-0.297 χ^2/NDF : 480938.0/19

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2308.155 $\pm$ 290.431 χ^2/NDF : 7.8/15

Left Out: 1388.917 $\pm$ 549.519 χ^2/NDF : 1.7/2

Right Out: -2025.627 $\pm$ 289.797 χ^2/NDF : 11.9/17

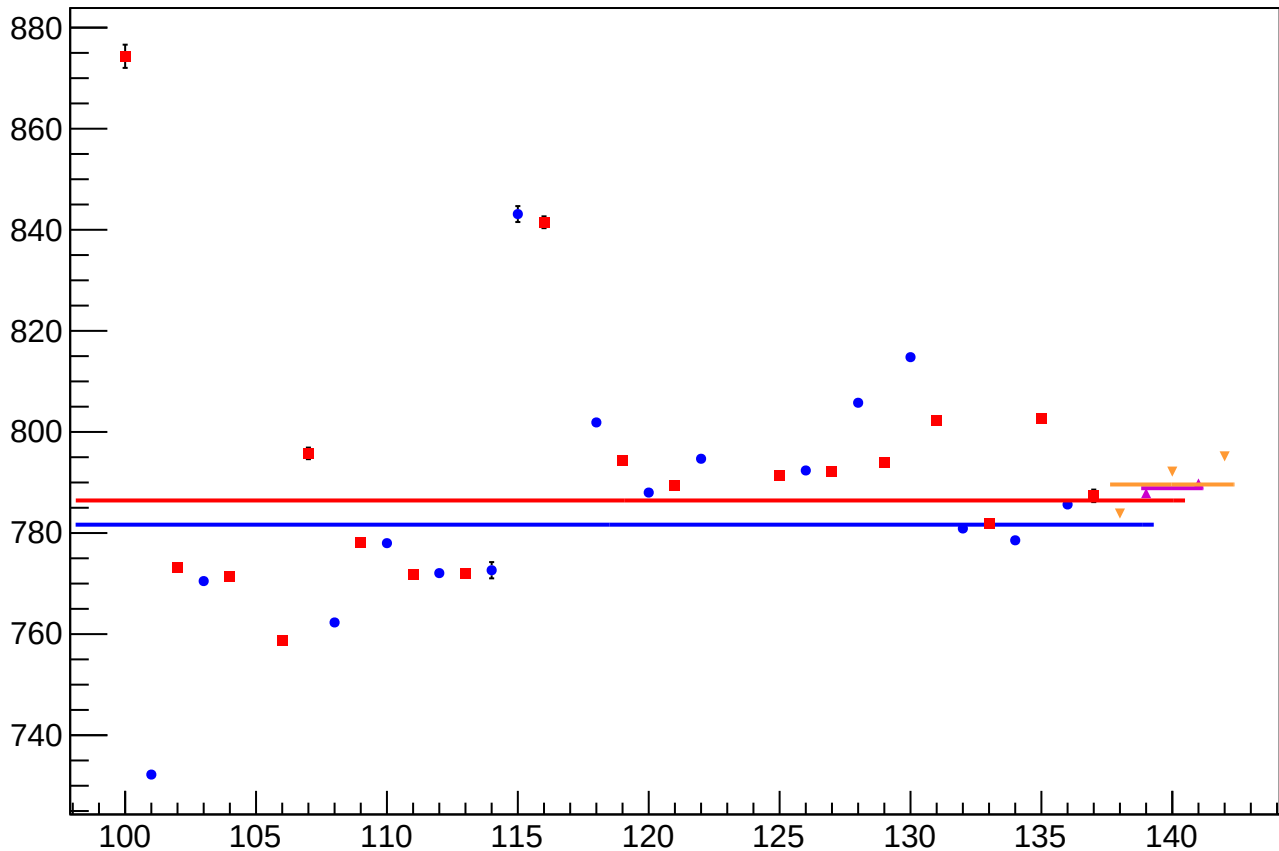
Left In: -1967.774 $\pm$ 599.568 χ^2/NDF : 0.1/1

+ sign 2107.446 $\pm$ 256.774 χ^2/NDF : 11.7/18

All: 79.375 $\pm$ 183.014 χ^2/NDF : 150.5/38

- sign -2014.671 $\pm$ 260.917 χ^2/NDF : 12.0/19

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 789.606 $\pm$ 0.389 χ^2 /NDF:144.5/2

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

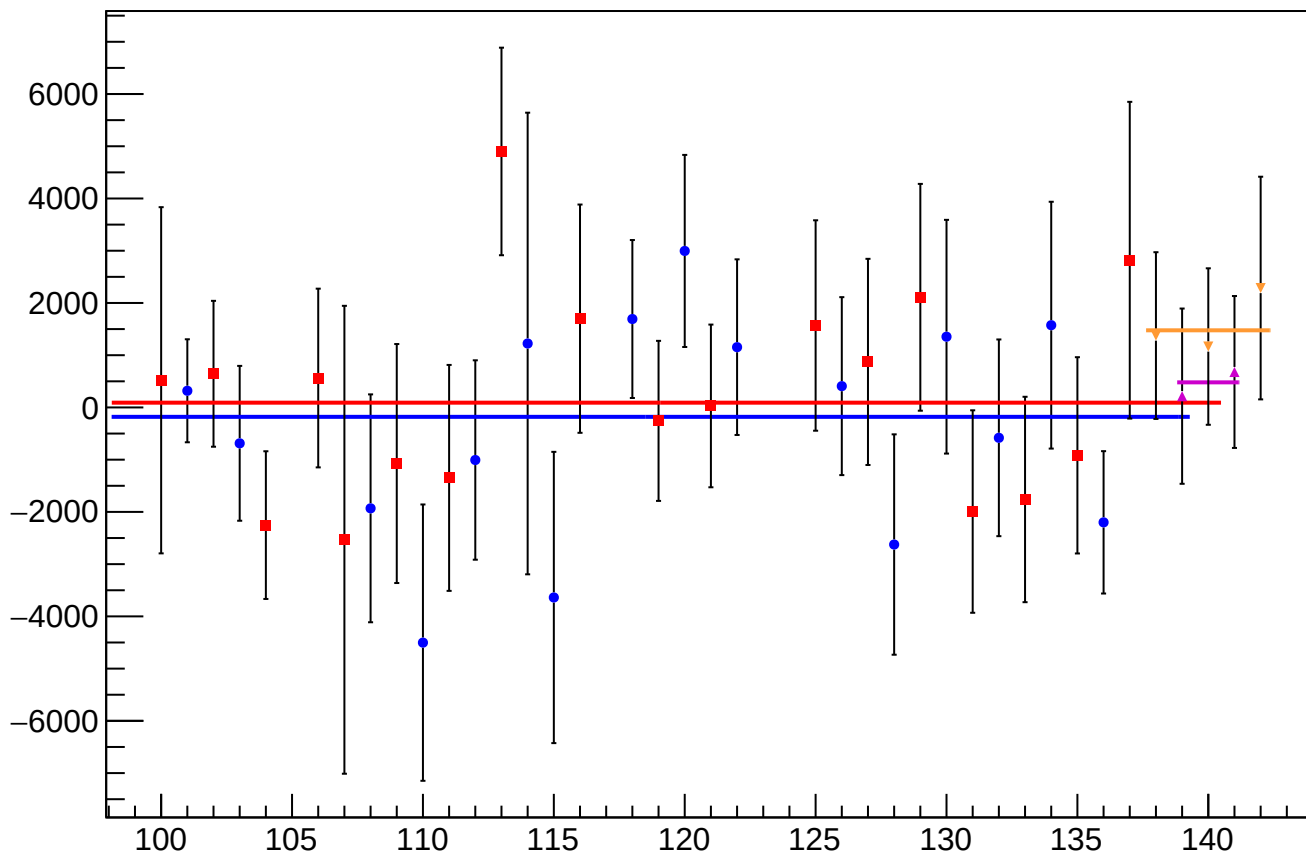
Left In: 788.870 $\pm$ 0.424 χ^2 /NDF:5.1/1

+ sign 783.390 $\pm$ 0.182 χ^2 /NDF: 12790.8/18

All: 785.118 $\pm$ 0.129 χ^2 /NDF: 20208.2/38

- sign 786.903 $\pm$ 0.184 χ^2 /NDF: 7233.2/19

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: 1476.444 ± 972.028 χ^2/NDF : 0.2/2

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

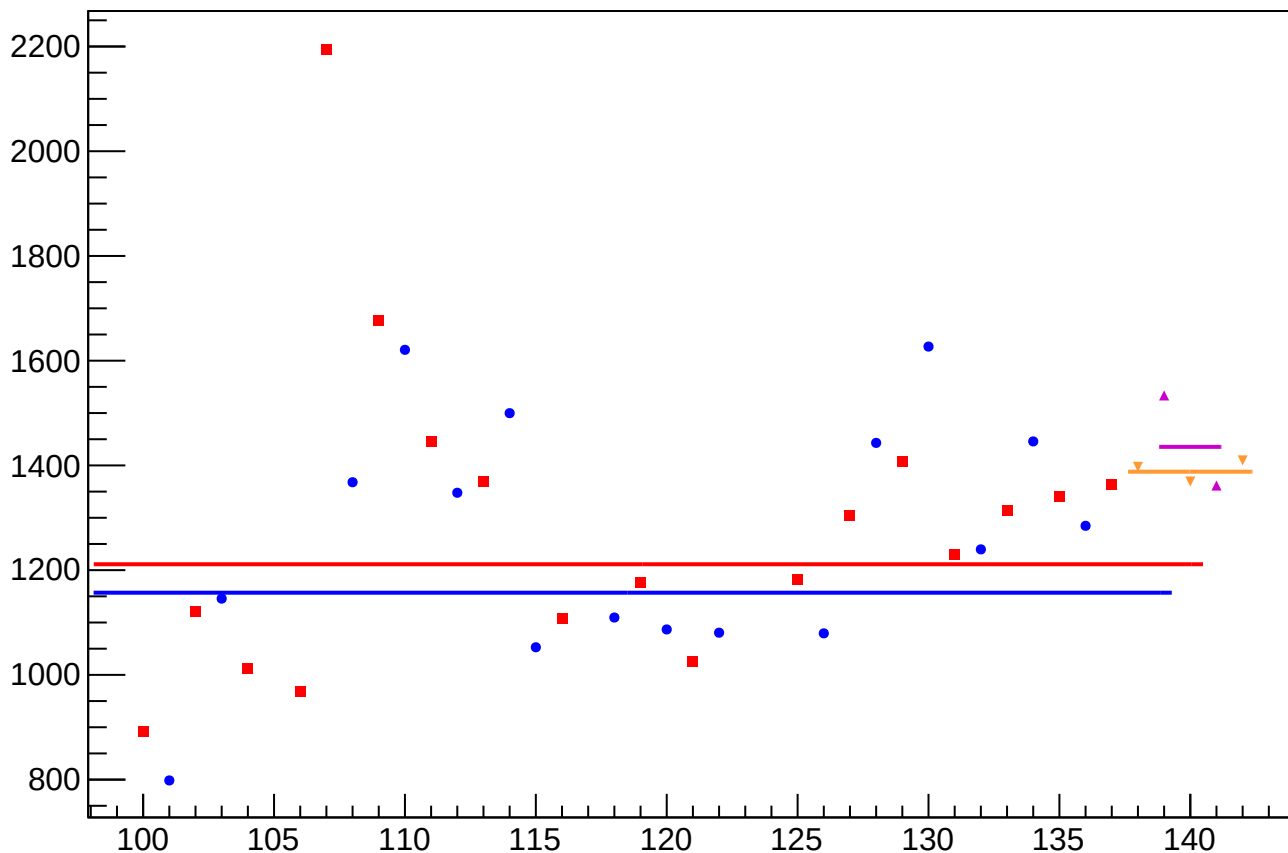
Left In: 480.146 ± 1098.767 χ^2/NDF : 0.0/1

+ sign 102.570 ± 401.428 χ^2/NDF : 18.0/18

All: 124.326 ± 290.273 χ^2/NDF : 33.3/38

- sign 148.168 ± 420.233 χ^2/NDF : 15.3/19

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1388.025+/-0.687 χ^2/NDF : 584.4/2

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

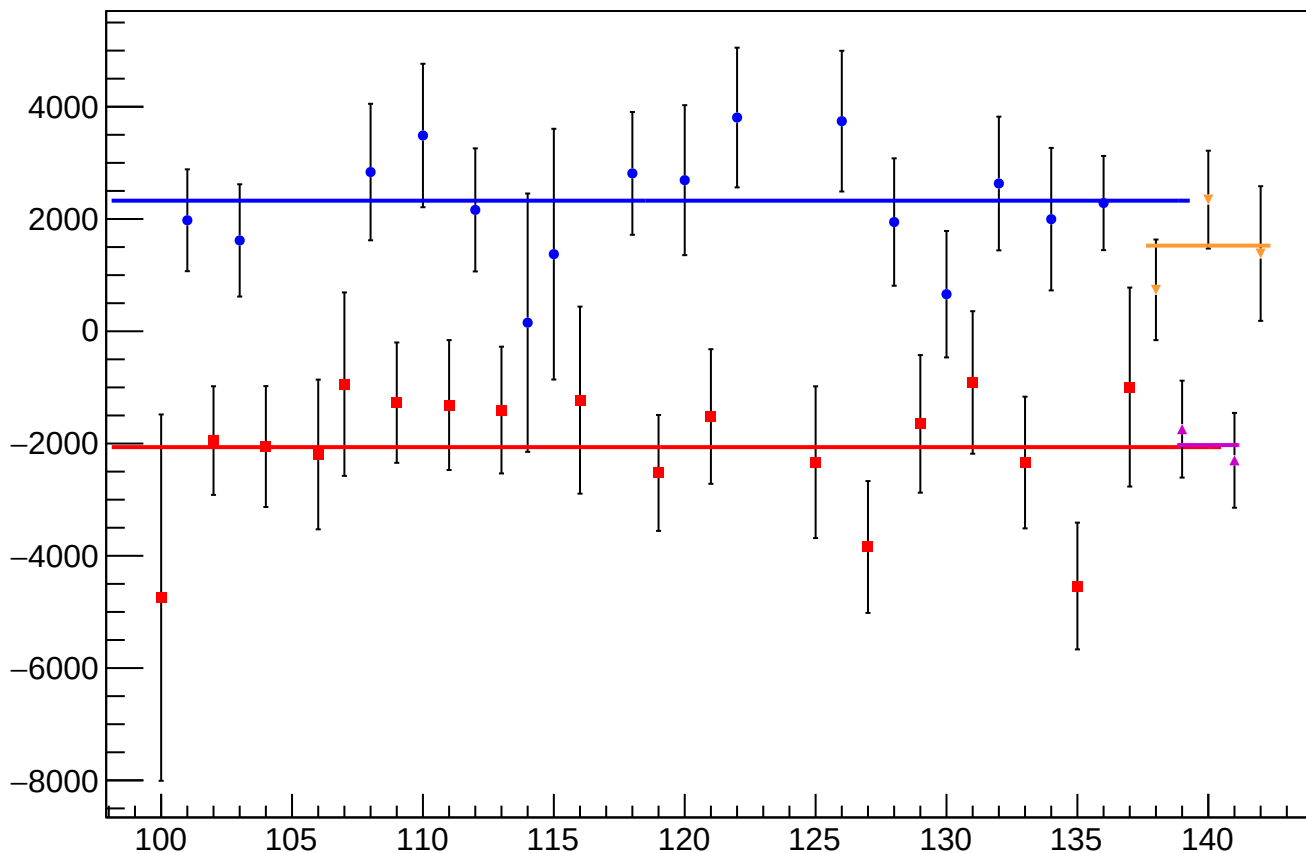
Left In: 1435.424+/-0.777 χ^2/NDF : 12009.4/1

+ sign 1196.359+/-0.284 χ^2/NDF : 663454.8/18

All: 1219.115+/-0.205 χ^2/NDF : 1157713.9/38

- sign 1244.053+/-0.297 χ^2/NDF : 480788.9/19

dit_asym_us_avg_mean vs Slug



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

Left Out: 1526.131 $\pm$ 554.106 χ^2/NDF : 1.7/2

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

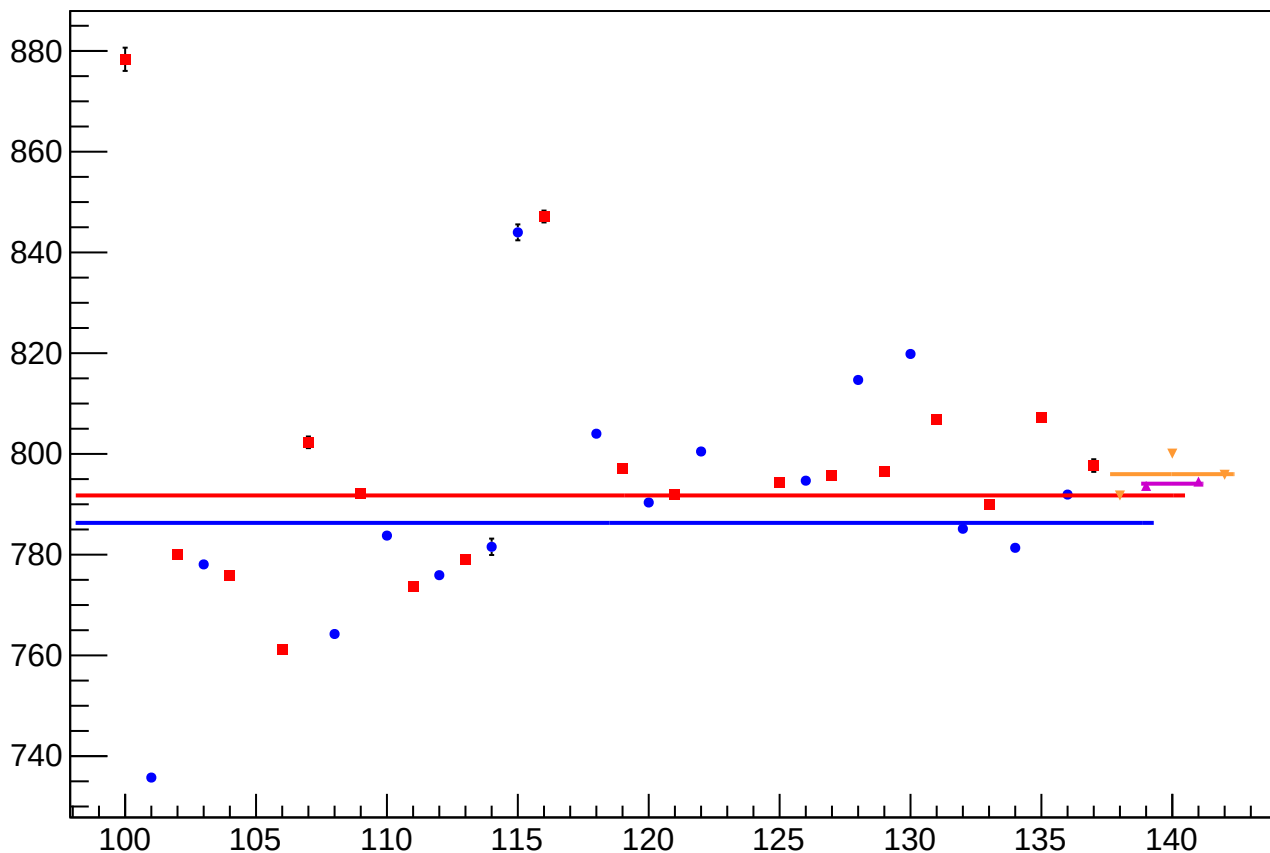
Left In: -2027.169 $\pm$ 603.658 χ^2/NDF : 0.2/1

+ sign 2152.325 $\pm$ 258.447 χ^2/NDF : 11.5/18

All: 82.079 $\pm$ 184.238 χ^2/NDF : 153.8/38

- sign -2057.005 $\pm$ 262.709 χ^2/NDF : 11.8/19

dit_asym_us_avg_rms vs Slug



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

Left Out: 795.982 $\pm$ 0.392 χ^2 /NDF: 88.4/2

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

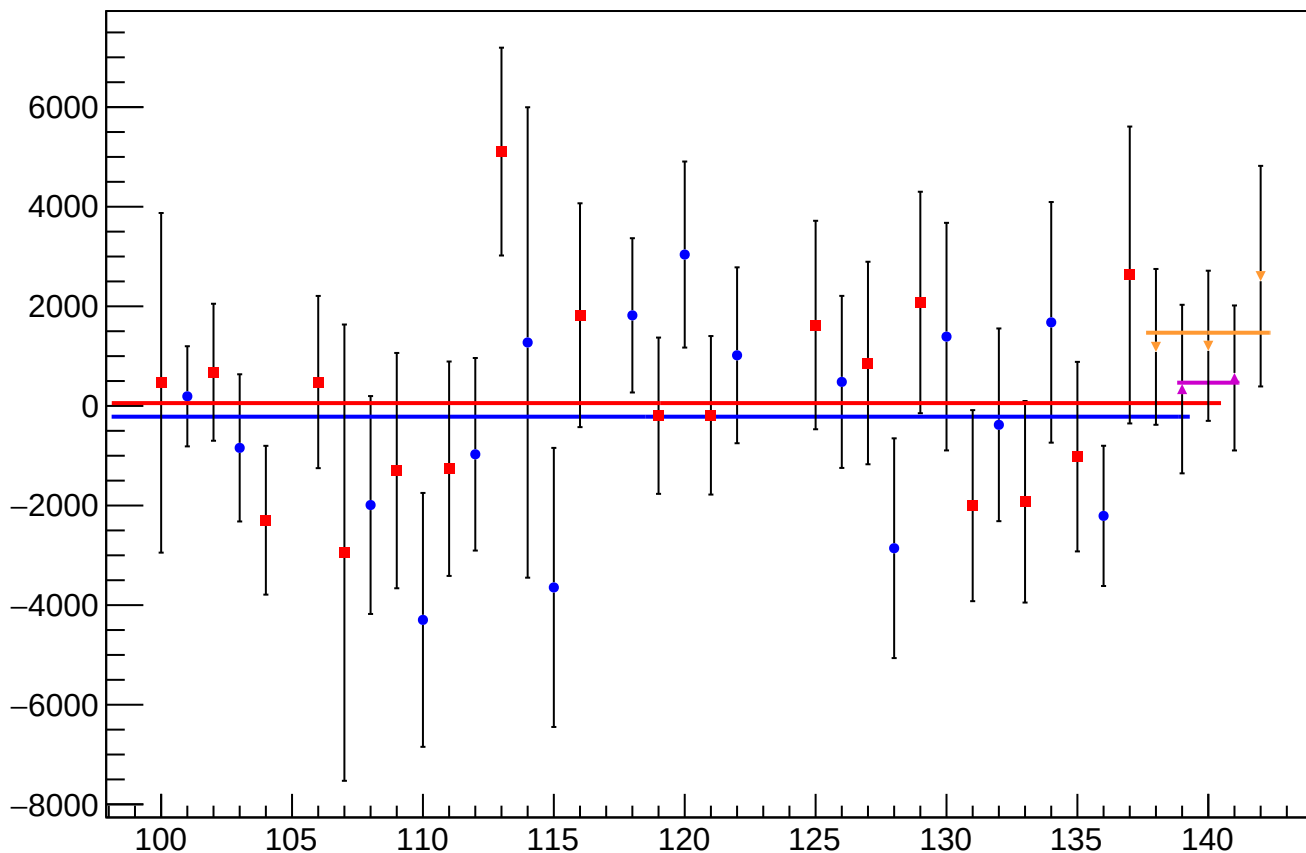
Left In: 794.090 $\pm$ 0.427 χ^2 /NDF: 1.0/1

+ sign 788.414 $\pm$ 0.183 χ^2 /NDF: 13136.3/18

All: 790.275 $\pm$ 0.130 χ^2 /NDF: 20387.6/38

- sign 792.198 $\pm$ 0.186 χ^2 /NDF: 7040.4/19

asym_us_avg_dit_correction_mean vs Slug



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

Left Out: 1470.037+/-974.753 χ^2/NDF : 0.3/2

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

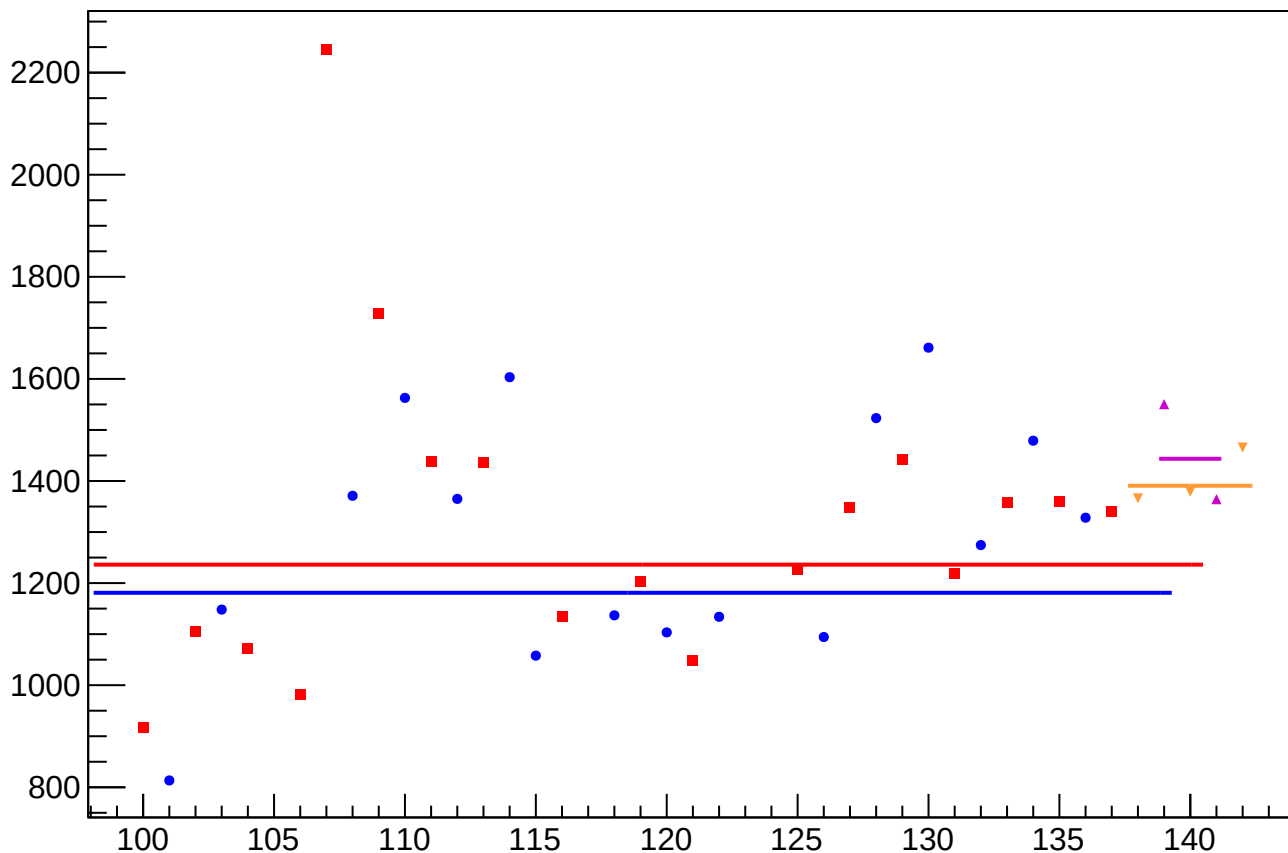
Left In: 466.712+/-1103.655 χ^2/NDF : 0.0/1

+ sign 79.554+/-408.217 χ^2/NDF : 18.1/18

All: 98.049+/-295.307 χ^2/NDF : 33.3/38

- sign 118.353+/-427.718 χ^2/NDF : 15.3/19

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1390.706 $\pm$ 0.689 χ^2 /NDF: 2908.1/2

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

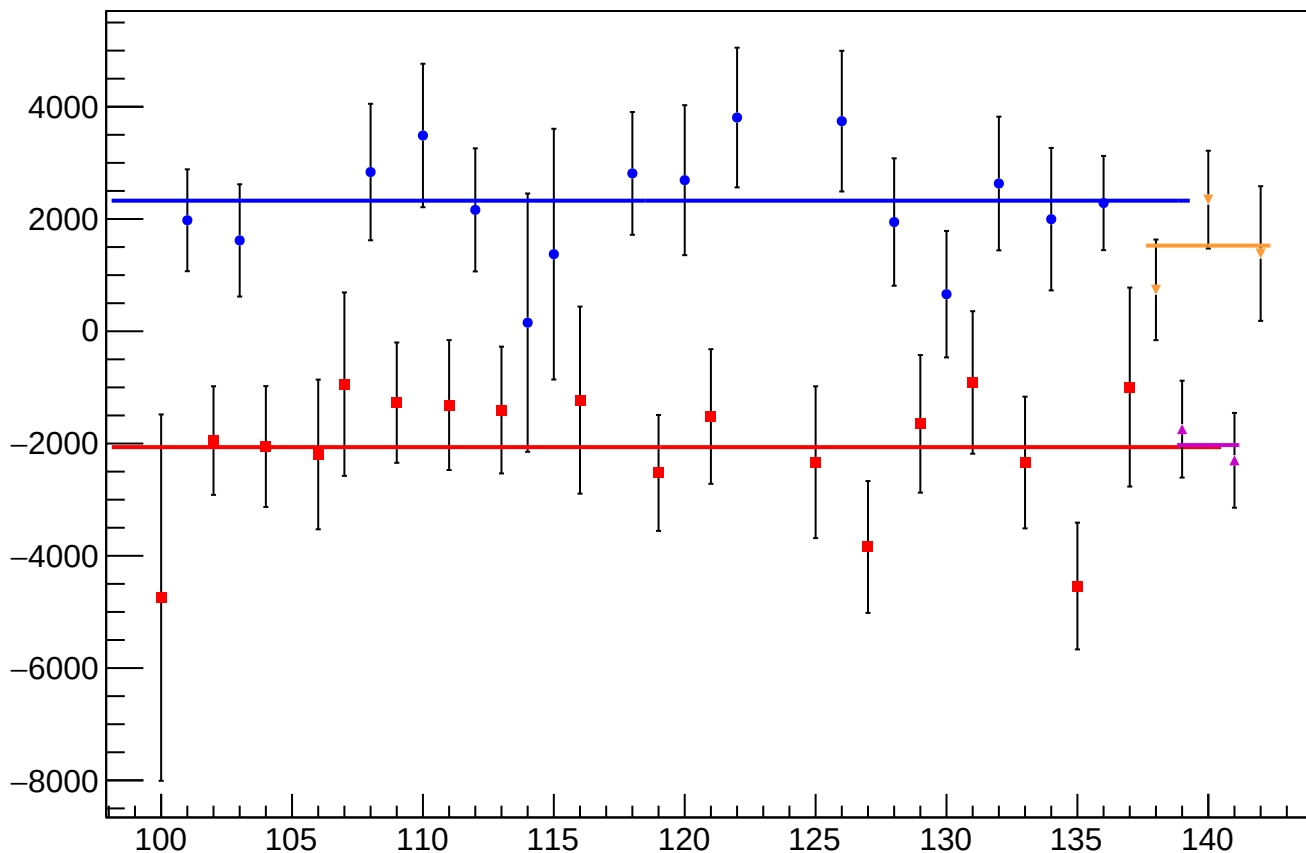
Left In: 1443.500 $\pm$ 0.780 χ^2 /NDF: 13896.1/1

+ sign 1217.778 $\pm$ 0.289 χ^2 /NDF: 650350.9/18

All: 1241.374 $\pm$ 0.209 χ^2 /NDF: 1135509.0/38

- sign 1267.279 $\pm$ 0.302 χ^2 /NDF: 471139.2/19

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1526.134 $\pm$ 554.106 χ^2 /NDF: 1.7/2

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

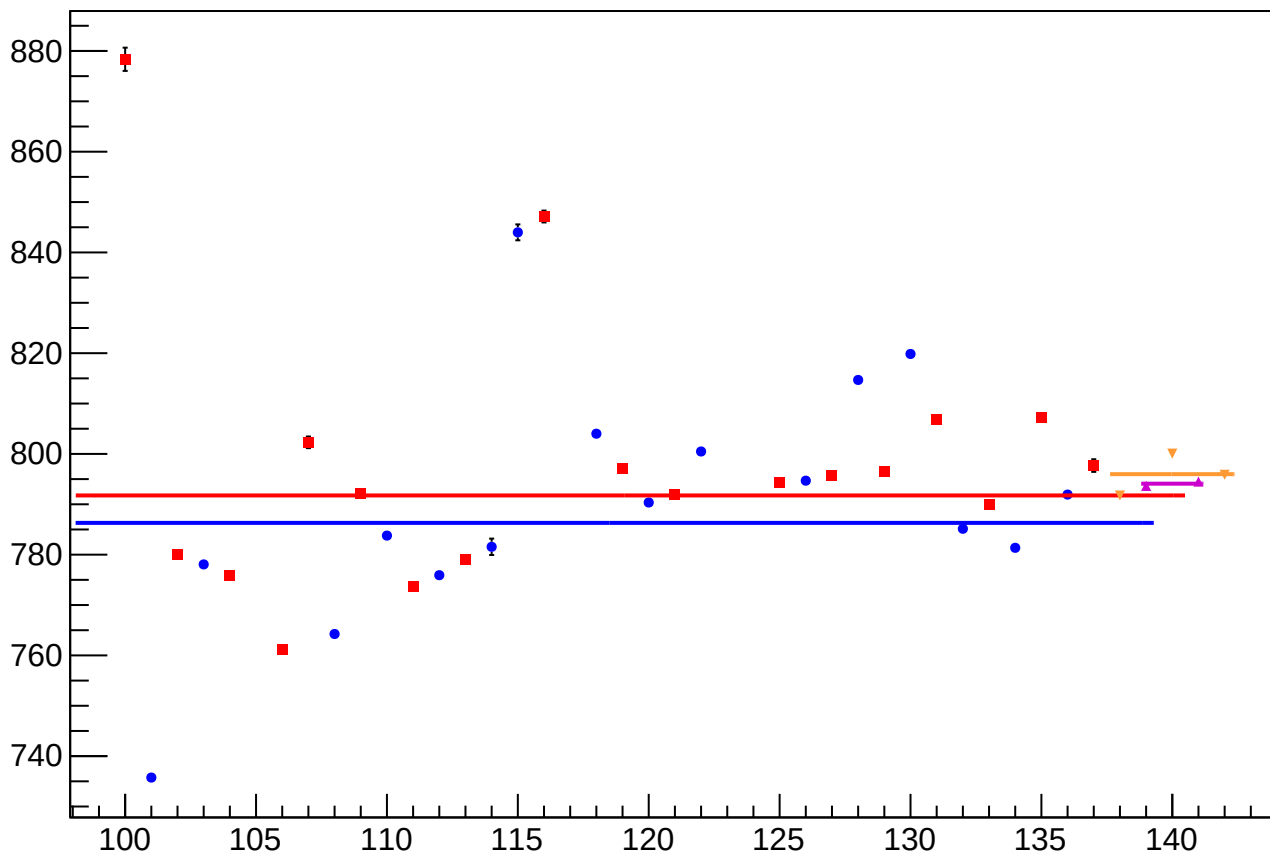
Left In: -2027.167 $\pm$ 603.658 χ^2 /NDF: 0.2/1

+ sign 2152.325 $\pm$ 258.447 χ^2 /NDF: 11.5/18

All: 82.079 $\pm$ 184.238 χ^2 /NDF: 153.8/38

- sign -2057.004 $\pm$ 262.709 χ^2 /NDF: 11.8/19

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 795.982 $\pm$ 0.392 χ^2 /NDF:88.4/2

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

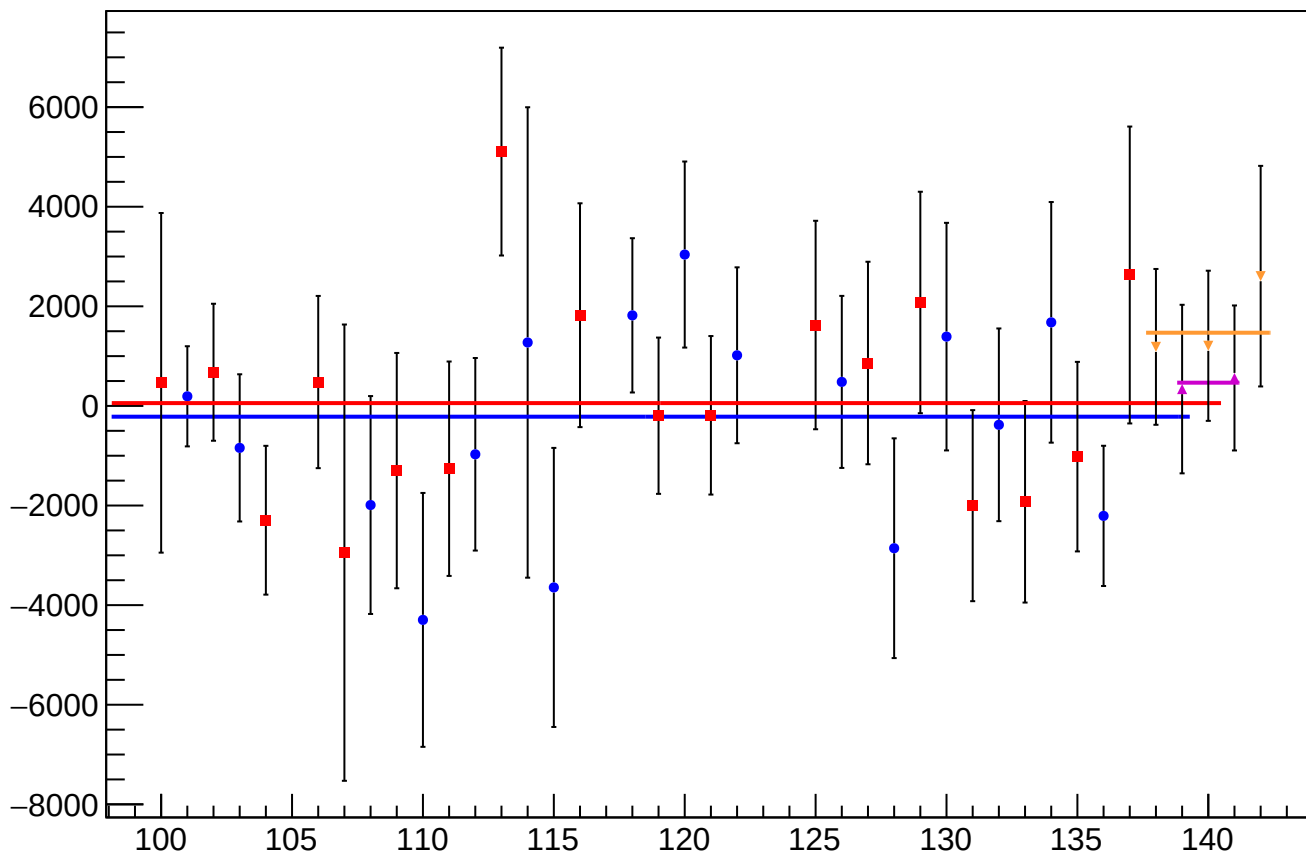
Left In: 794.090 $\pm$ 0.427 χ^2 /NDF:1.0/1

+ sign 788.414 $\pm$ 0.183 χ^2 /NDF: 13136.3/18

All: 790.275 $\pm$ 0.130 χ^2 /NDF: 20387.6/38

- sign 792.198 $\pm$ 0.186 χ^2 /NDF: 7040.4/19

asym_us_avg_eigen_dit_correction_mean vs Slug



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

Left Out: 1470.040+/-974.755 χ^2/NDF : 0.3/2

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

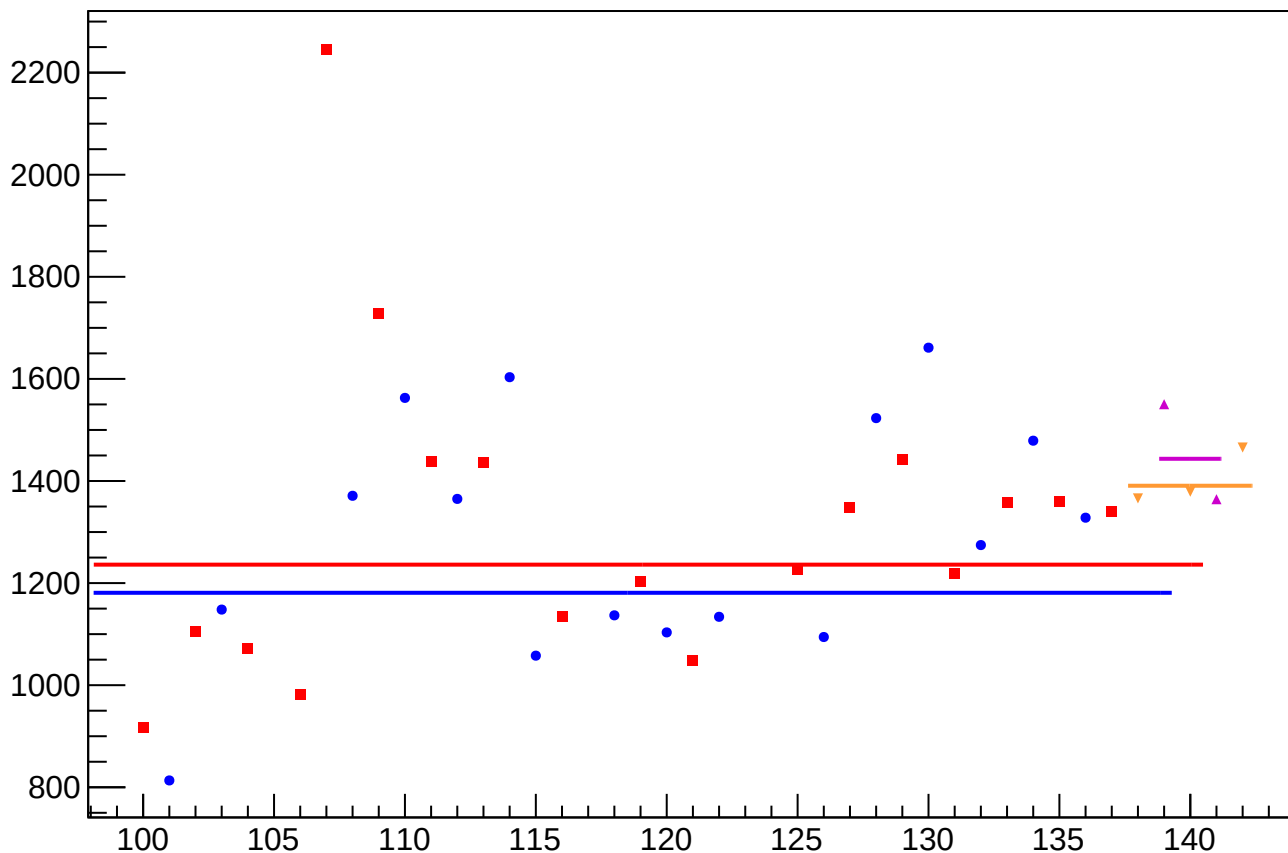
Left In: 466.714+/-1103.658 χ^2/NDF : 0.0/1

+ sign 79.553+/-408.216 χ^2/NDF : 18.1/18

All: 98.048+/-295.306 χ^2/NDF : 33.3/38

- sign 118.352+/-427.718 χ^2/NDF : 15.3/19

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1390.709+/-0.689 χ^2/NDF : 2908.1/2

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

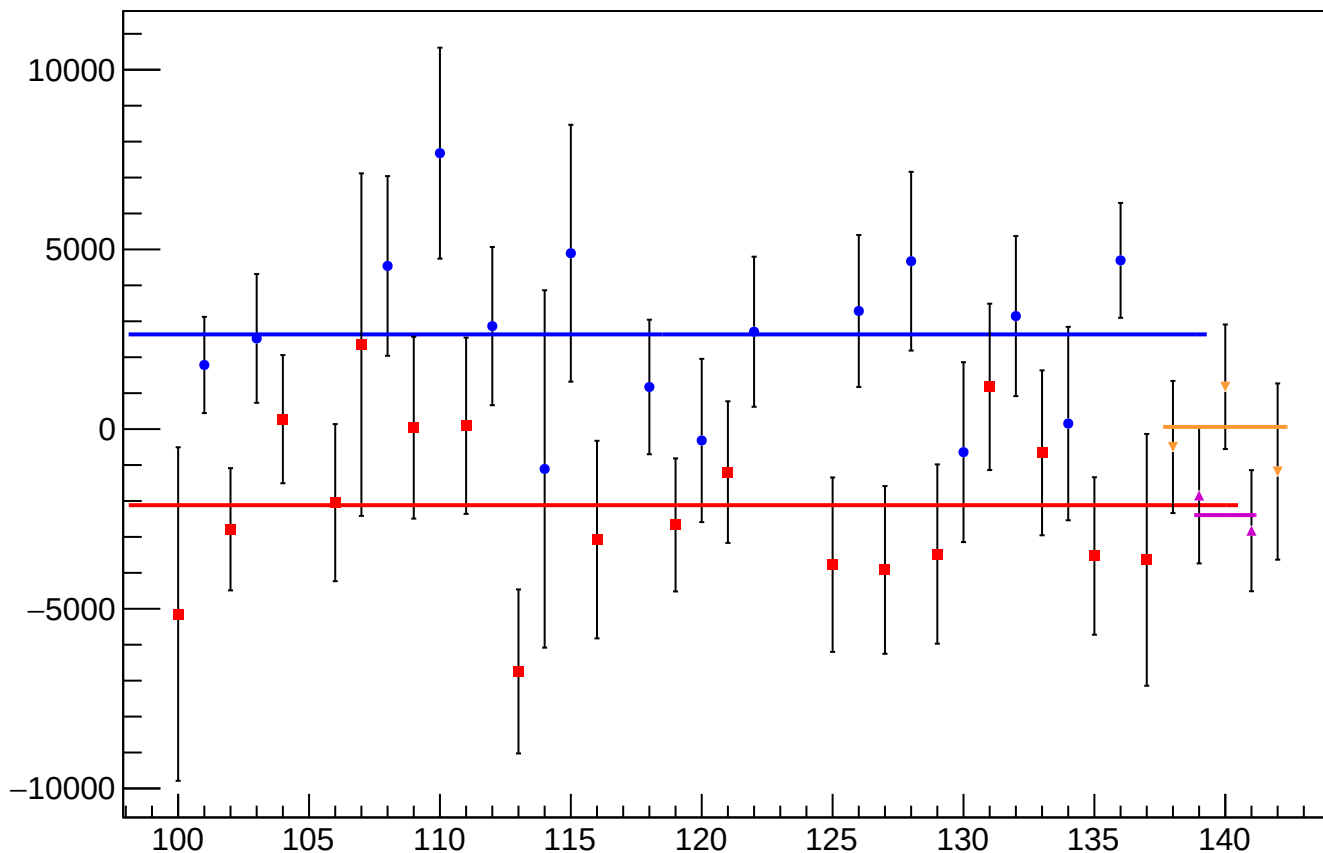
Left In: 1443.503+/-0.780 χ^2/NDF : 13896.3/1

+ sign 1217.775+/-0.289 χ^2/NDF : 650353.0/18

All: 1241.372+/-0.209 χ^2/NDF : 1135513.0/38

- sign 1267.276+/-0.302 χ^2/NDF : 471141.4/19

asym_us_avg_mean vs Slug



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

Left Out: 60.649 $\pm$ 1121.520 χ^2 /NDF: 0.8/2

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

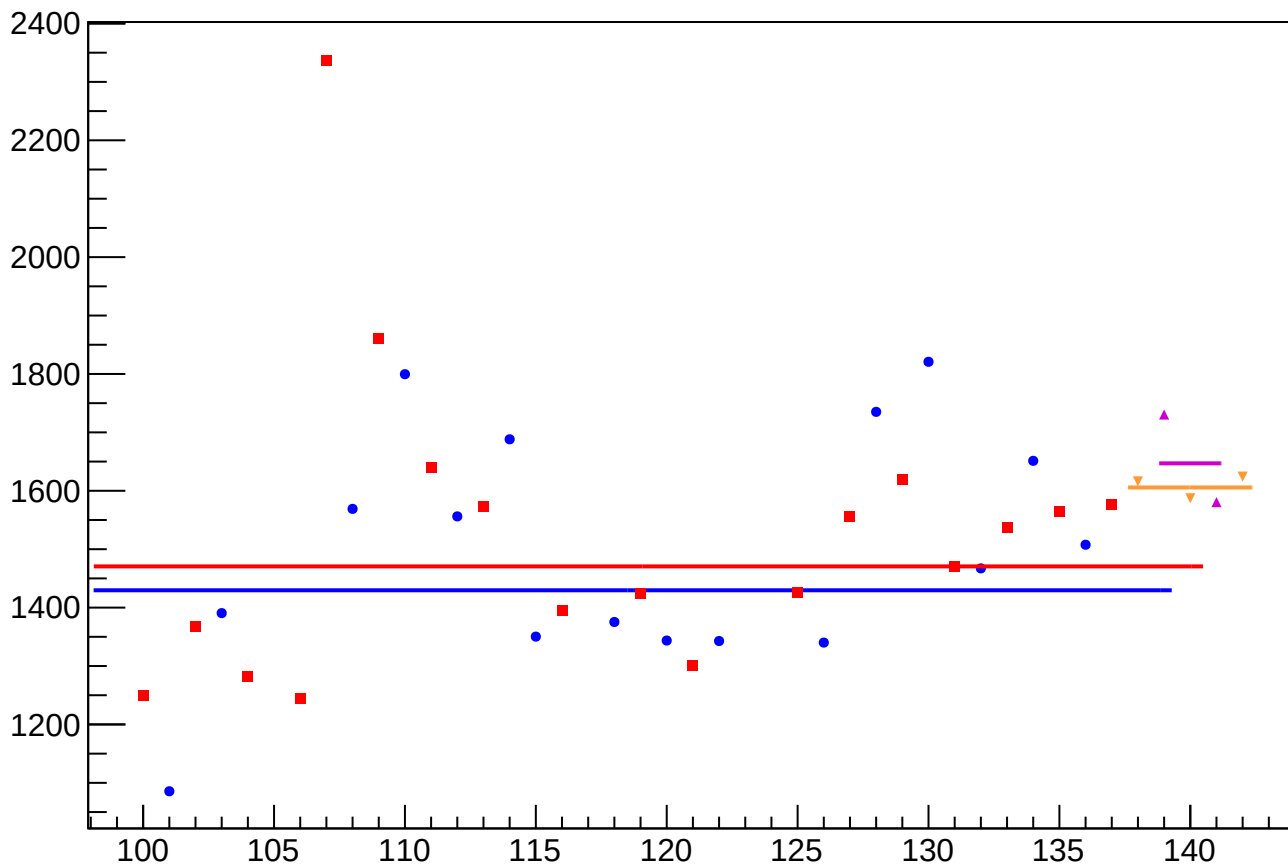
Left In: -2393.398 $\pm$ 1257.408 χ^2 /NDF: 0.1/1

+ sign 2153.690 $\pm$ 485.100 χ^2 /NDF: 17.3/18

All: 69.958 $\pm$ 348.828 χ^2 /NDF: 69.4/38

- sign -2161.184 $\pm$ 501.966 χ^2 /NDF: 13.9/19

asym_us_avg_rms vs Slug



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

Left Out: 1605.673+/-0.793 χ^2/NDF : 407.5/2

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

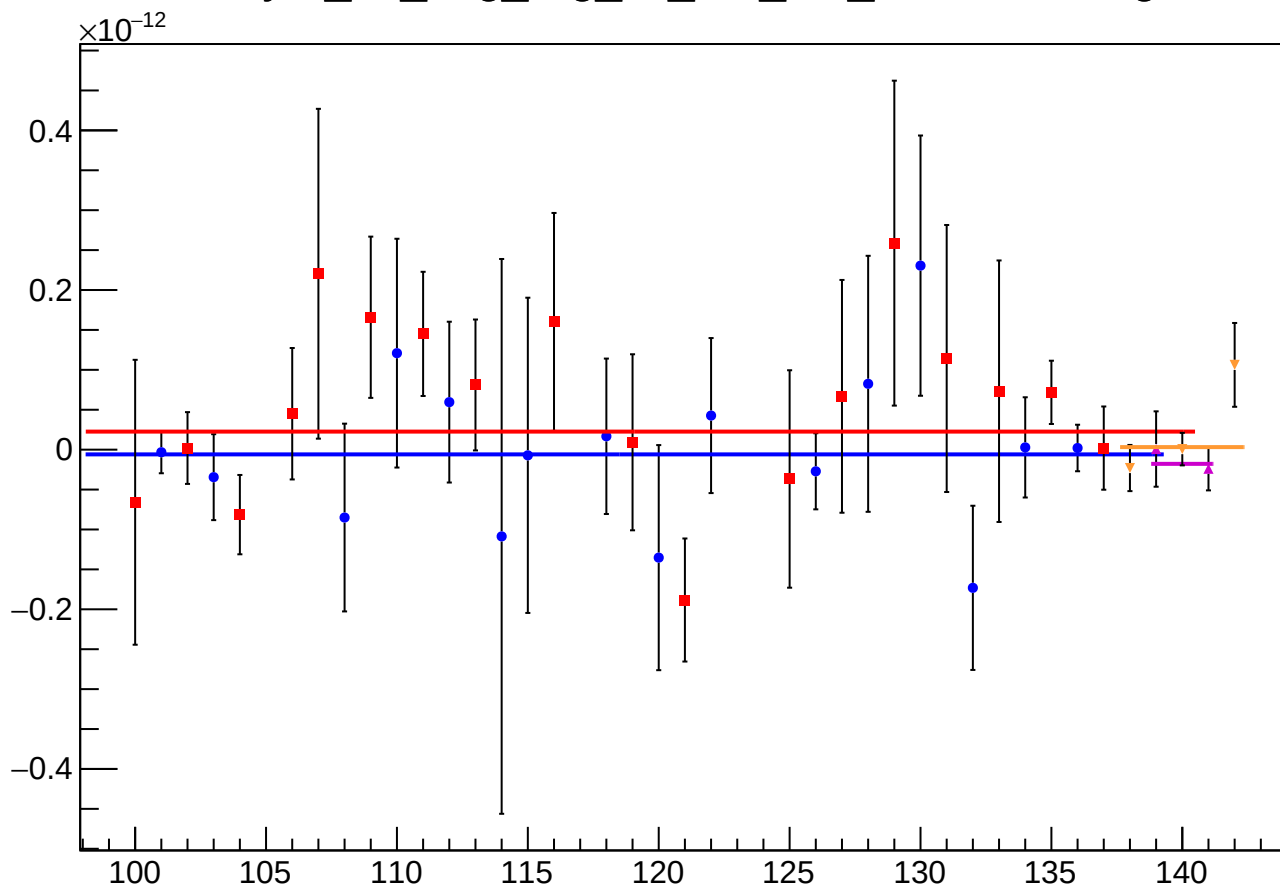
Left In: 1646.995+/-0.889 χ^2/NDF : 7018.9/1

+ sign 1462.585+/-0.343 χ^2/NDF : 333843.9/18

All: 1480.017+/-0.247 χ^2/NDF : 597378.0/38

- sign 1498.682+/-0.355 χ^2/NDF : 258186.2/19

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 : 4.7/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.1/17

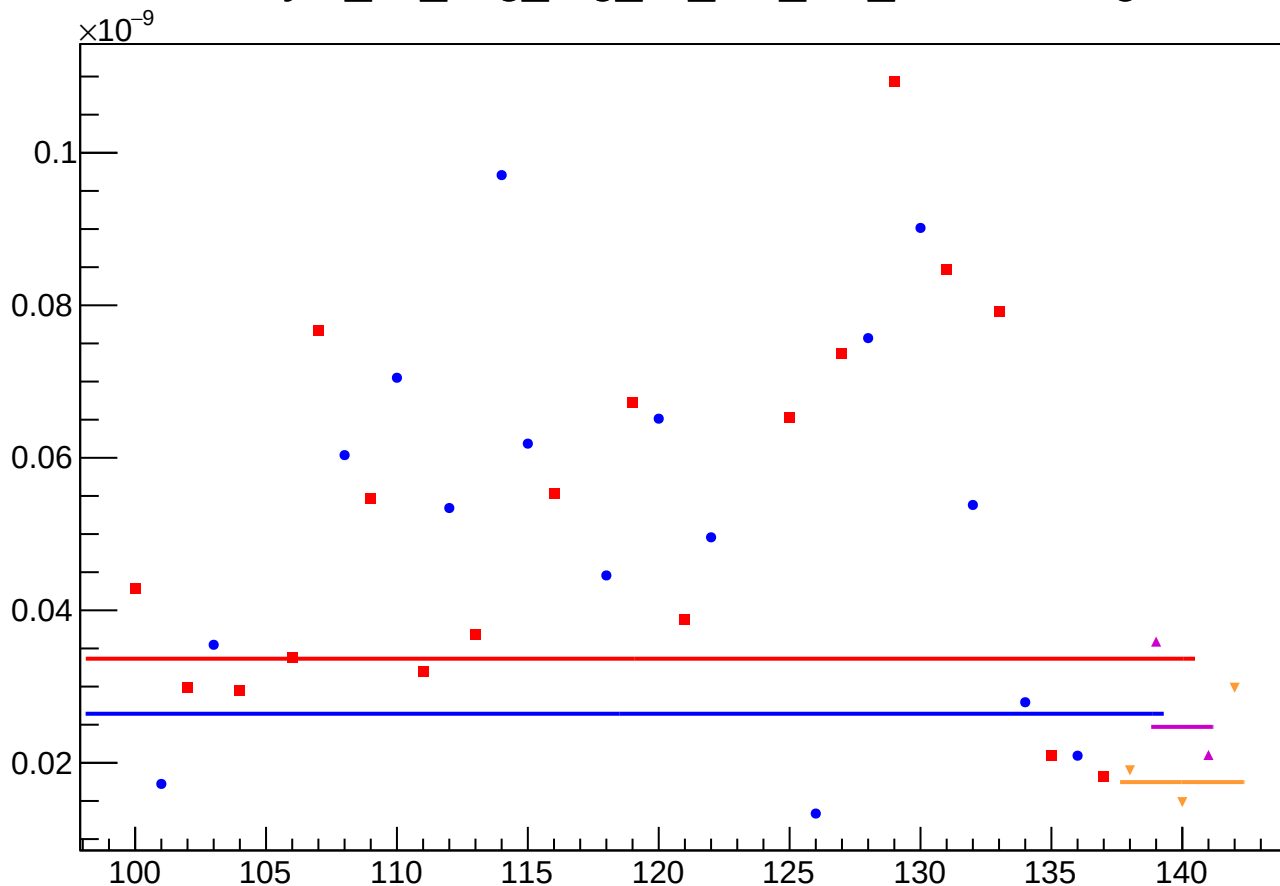
Left In: -0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 13.4/18

All: 0.000 ± 0.000 χ^2/NDF : 38.8/38

- sign 0.000 ± 0.000 χ^2/NDF : 25.1/19

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 : 150105.9/2

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

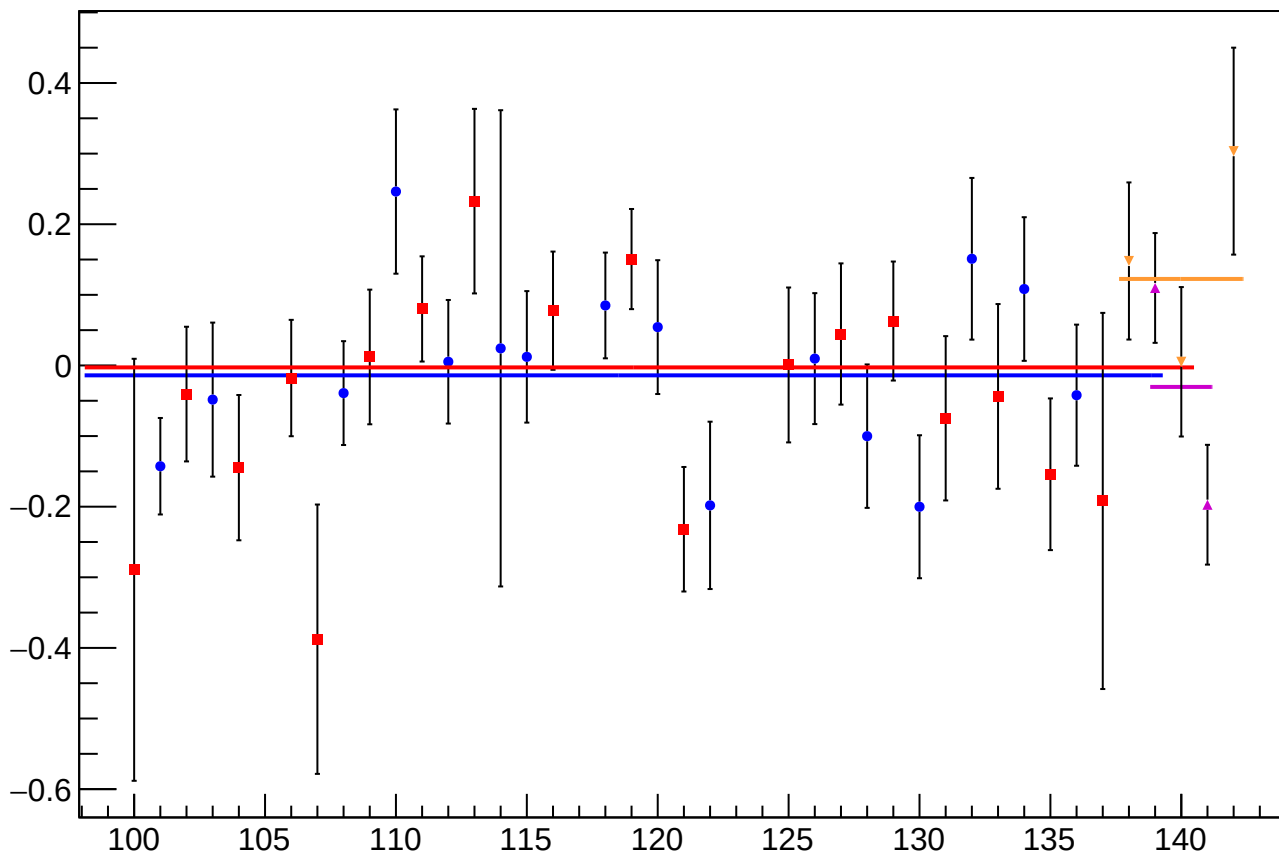
Left In: 0.000+/-0.000 χ^2/NDF : 149155.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 2621483.9/18

All: 0.000+/-0.000 χ^2/NDF : 5068947.5/38

- sign 0.000+/-0.000 χ^2/NDF : 2041934.2/19

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.123 ± 0.068 χ^2/NDF : 2.8/2

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

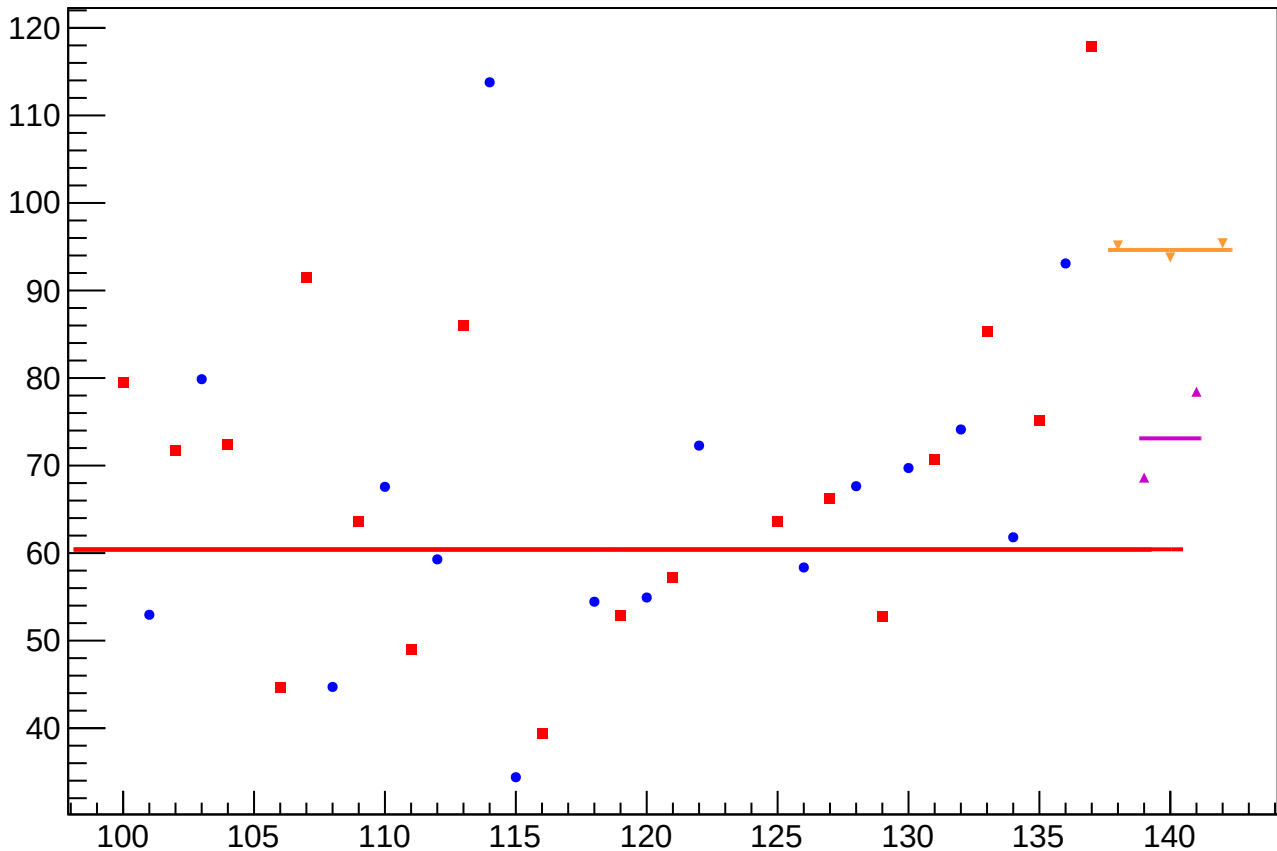
Left In: -0.030 ± 0.057 χ^2/NDF : 7.1/1

+ sign 0.001 ± 0.023 χ^2/NDF : 27.8/18

All: -0.003 ± 0.016 χ^2/NDF : 62.9/38

- sign -0.007 ± 0.022 χ^2/NDF : 35.1/19

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.399 $\pm$ 0.017 χ^2 /NDF: 703157.1/15

Left Out: 94.634 $\pm$ 0.048 χ^2 /NDF: 227.6/2

Right Out: 60.434 $\pm$ 0.017 χ^2 /NDF: 711093.4/17

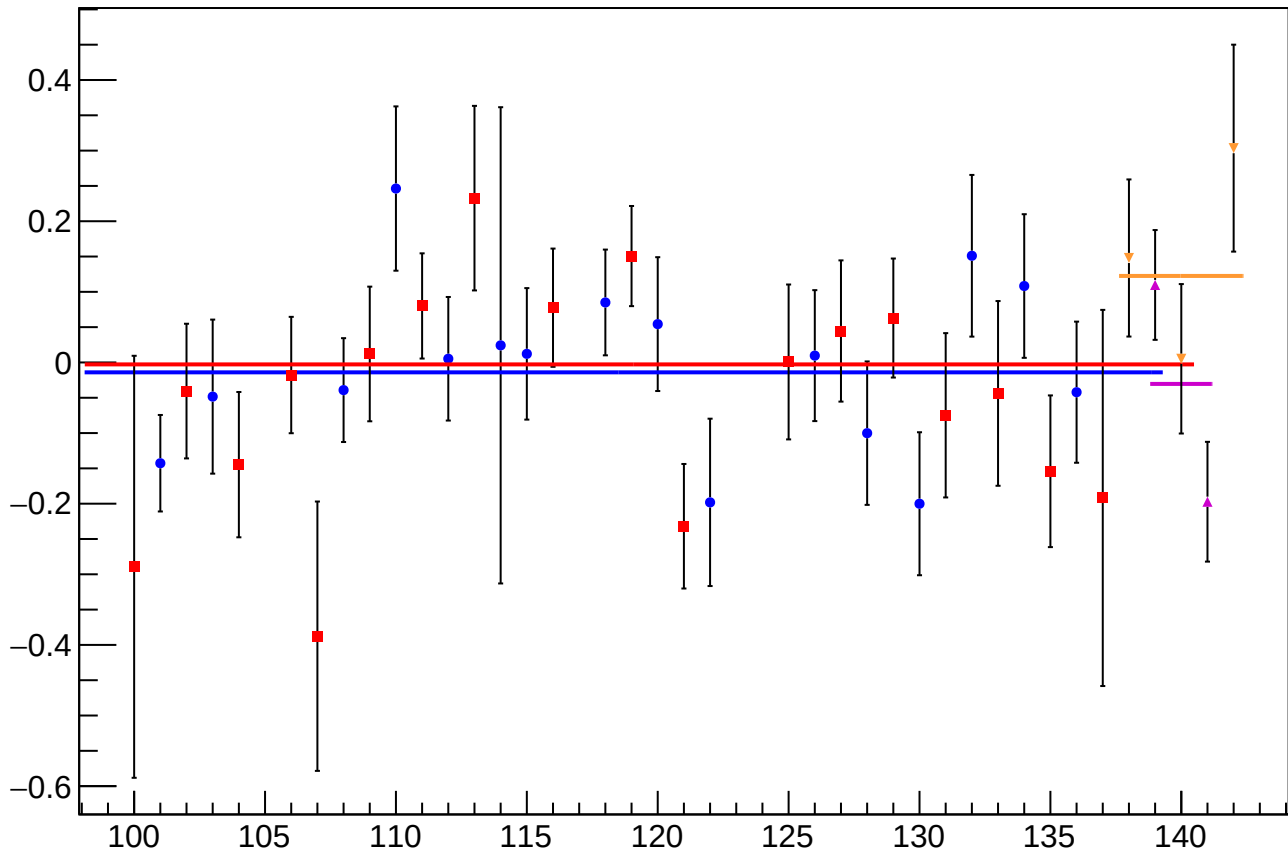
Left In: 73.109 $\pm$ 0.041 χ^2 /NDF: 14541.4/1

+ sign 64.158 $\pm$ 0.016 χ^2 /NDF: 1155491.8/18

All: 63.206 $\pm$ 0.011 χ^2 /NDF: 1971567.6/38

- sign 62.298 $\pm$ 0.016 χ^2 /NDF: 809078.6/19

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: 0.123 ± 0.068 χ^2/NDF : 2.8/2

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

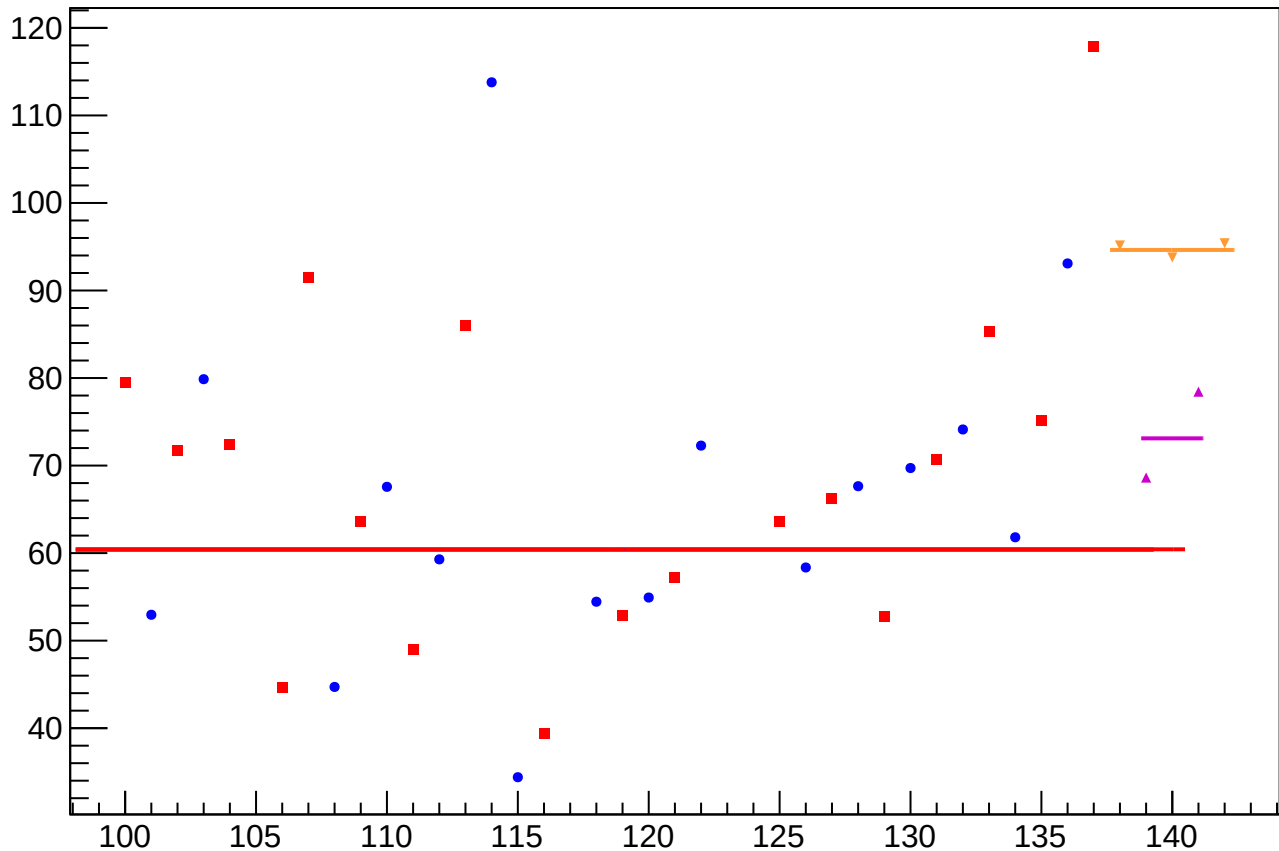
Left In: -0.030 ± 0.057 χ^2/NDF : 7.1/1

+ sign 0.001 ± 0.023 χ^2/NDF : 27.8/18

All: -0.003 ± 0.016 χ^2/NDF : 62.9/38

- sign -0.007 ± 0.022 χ^2/NDF : 35.1/19

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399 $\pm$ 0.017 χ^2 /NDF: 703157.1/15

Left Out: 94.634 $\pm$ 0.048 χ^2 /NDF: 227.6/2

Right Out: 60.434 $\pm$ 0.017 χ^2 /NDF: 711093.4/17

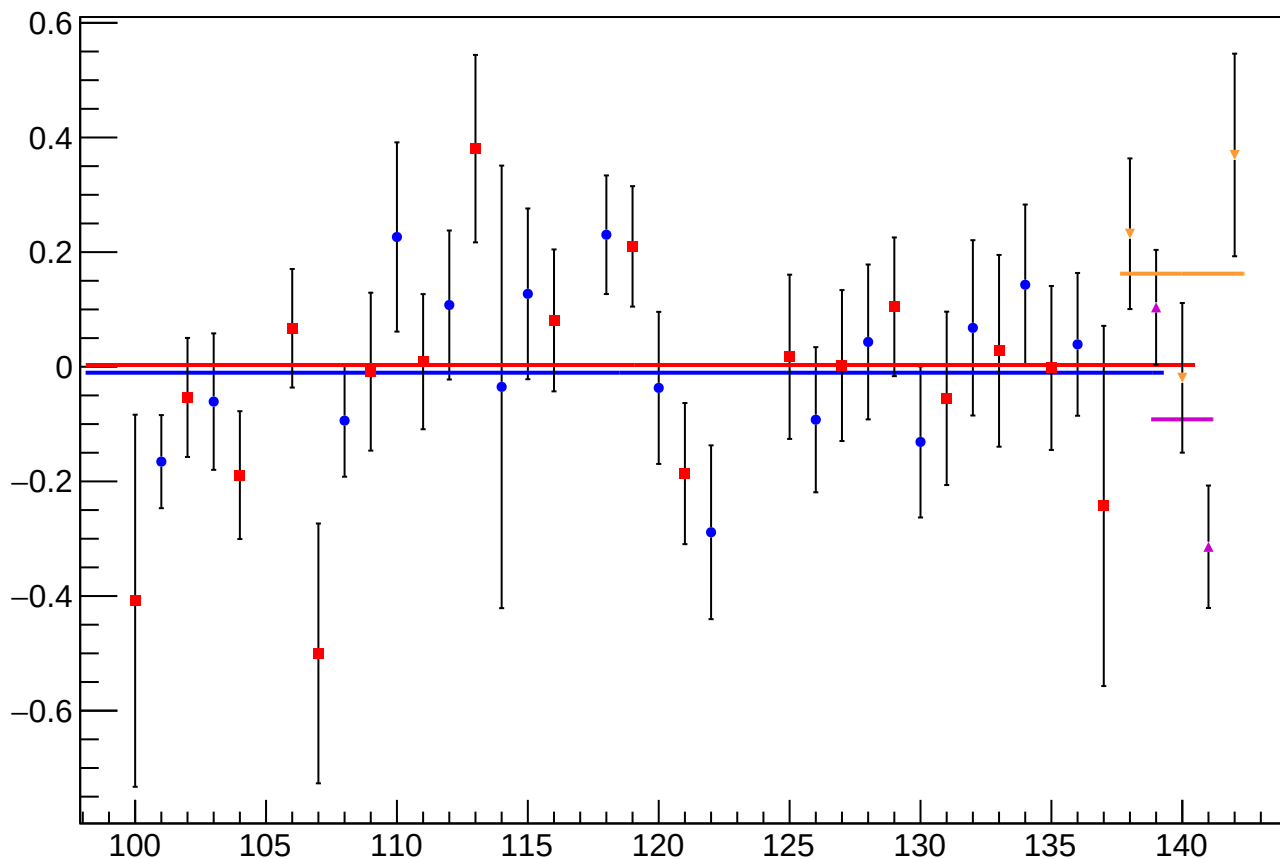
Left In: 73.109 $\pm$ 0.041 χ^2 /NDF: 14541.4/1

+ sign 64.158 $\pm$ 0.016 χ^2 /NDF: 1155491.8/18

All: 63.206 $\pm$ 0.011 χ^2 /NDF: 1971567.6/38

- sign 62.298 $\pm$ 0.016 χ^2 /NDF: 809078.6/19

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: 0.162 ± 0.082 χ^2/NDF : 3.6/2

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

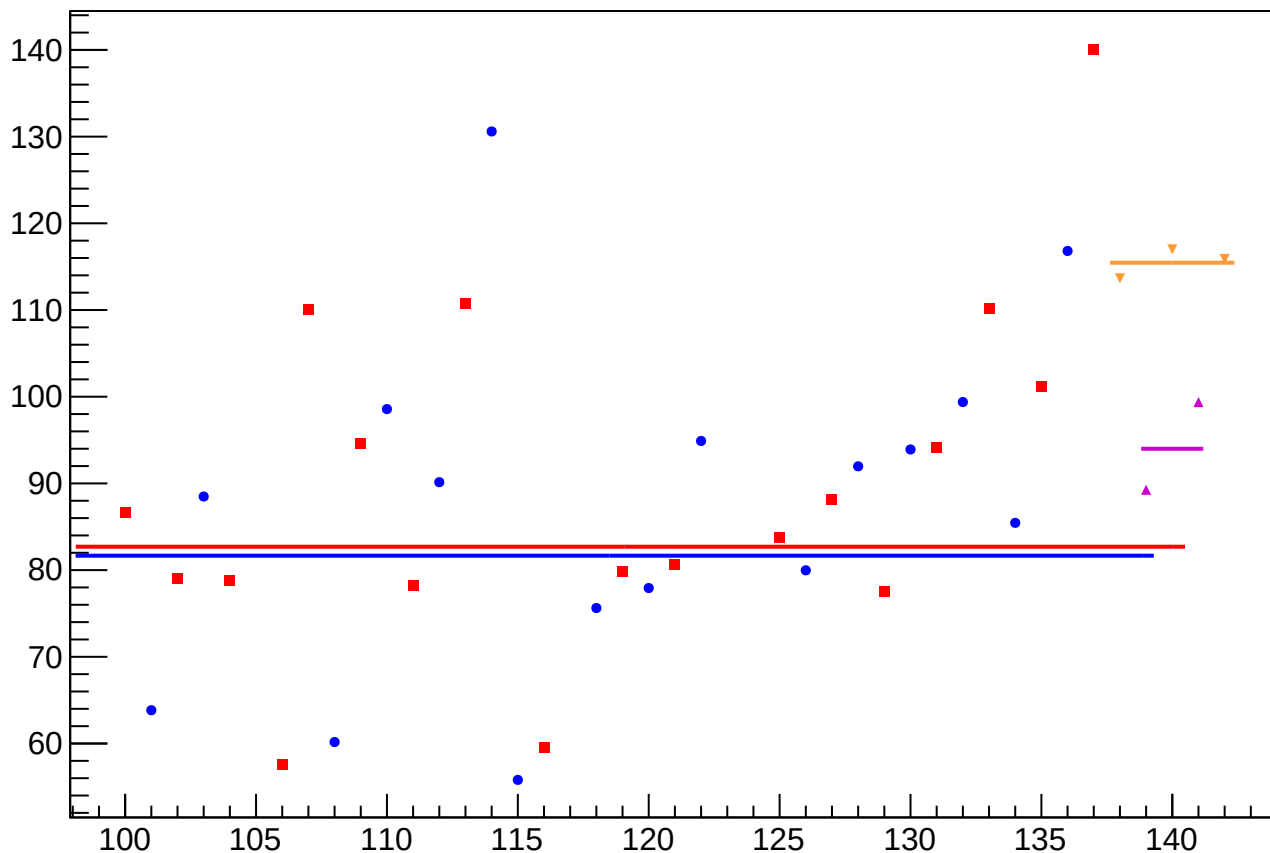
Left In: -0.092 ± 0.073 χ^2/NDF : 8.1/1

+ sign 0.012 ± 0.029 χ^2/NDF : 27.6/18

All: -0.000 ± 0.021 χ^2/NDF : 61.2/38

- sign -0.012 ± 0.029 χ^2/NDF : 33.2/19

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 115.458+/-0.058 χ^2 /NDF: 664.7/2

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

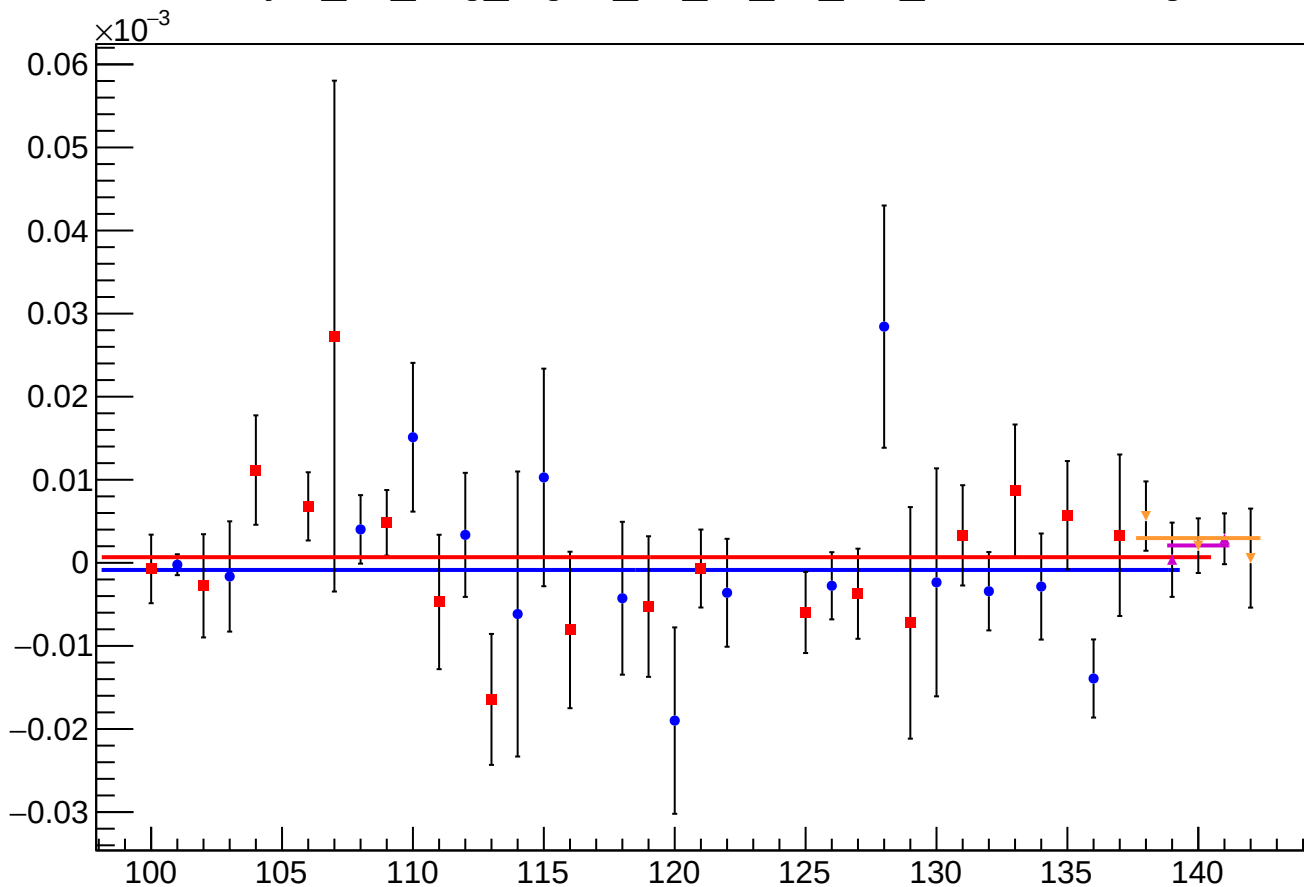
Left In: 94.000+/-0.052 χ^2 /NDF: 9539.8/1

+ sign 86.031+/-0.021 χ^2 /NDF: 858036.1/18

All: 85.253+/-0.015 χ^2 /NDF: 1383622.8/38

- sign 84.495+/-0.021 χ^2 /NDF: 522837.9/19

asym_us_avg_eigen_dit_vs_dit_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 : 0.6/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.3/17

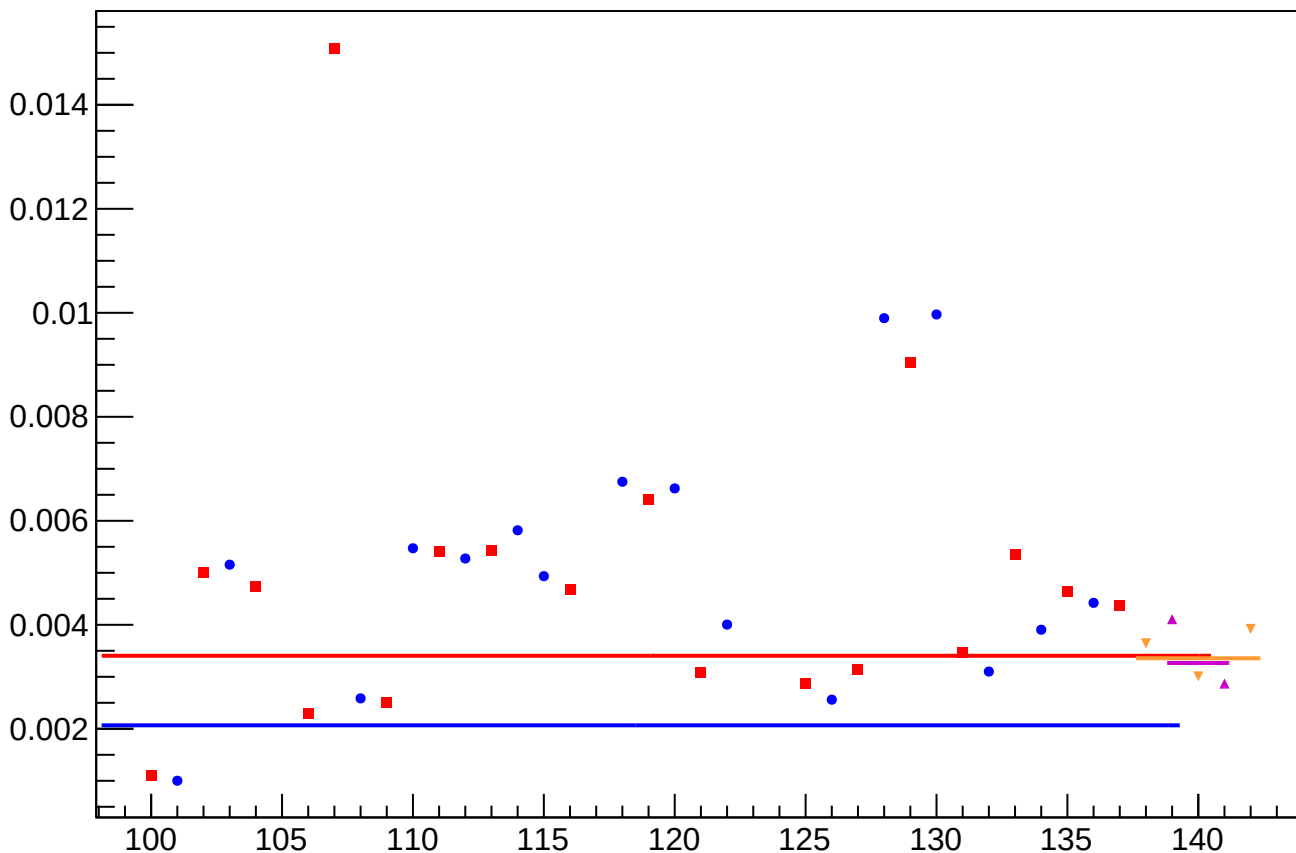
Left In: 0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 24.2/18

All: 0.000 ± 0.000 χ^2/NDF : 43.7/38

- sign 0.000 ± 0.000 χ^2/NDF : 18.8/19

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 : 49877.7/2

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

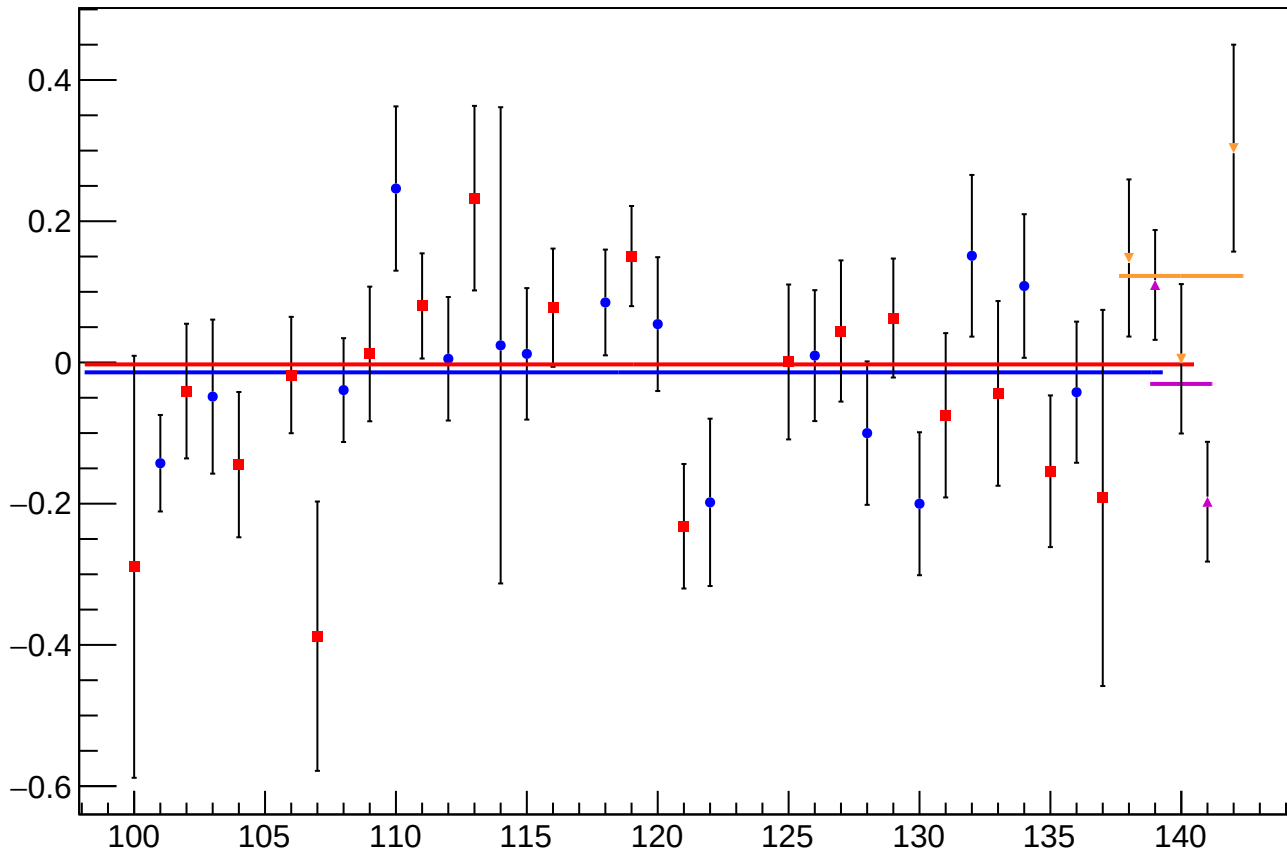
Left In: 0.003+/-0.000 χ^2/NDF : 104424.8/1

+ sign 0.002+/-0.000 χ^2/NDF : 6364777.8/18

All: 0.003+/-0.000 χ^2/NDF : 9984878.0/38

- sign 0.003+/-0.000 χ^2/NDF : 2600300.4/19

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: 0.123 ± 0.068 χ^2/NDF : 2.8/2

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

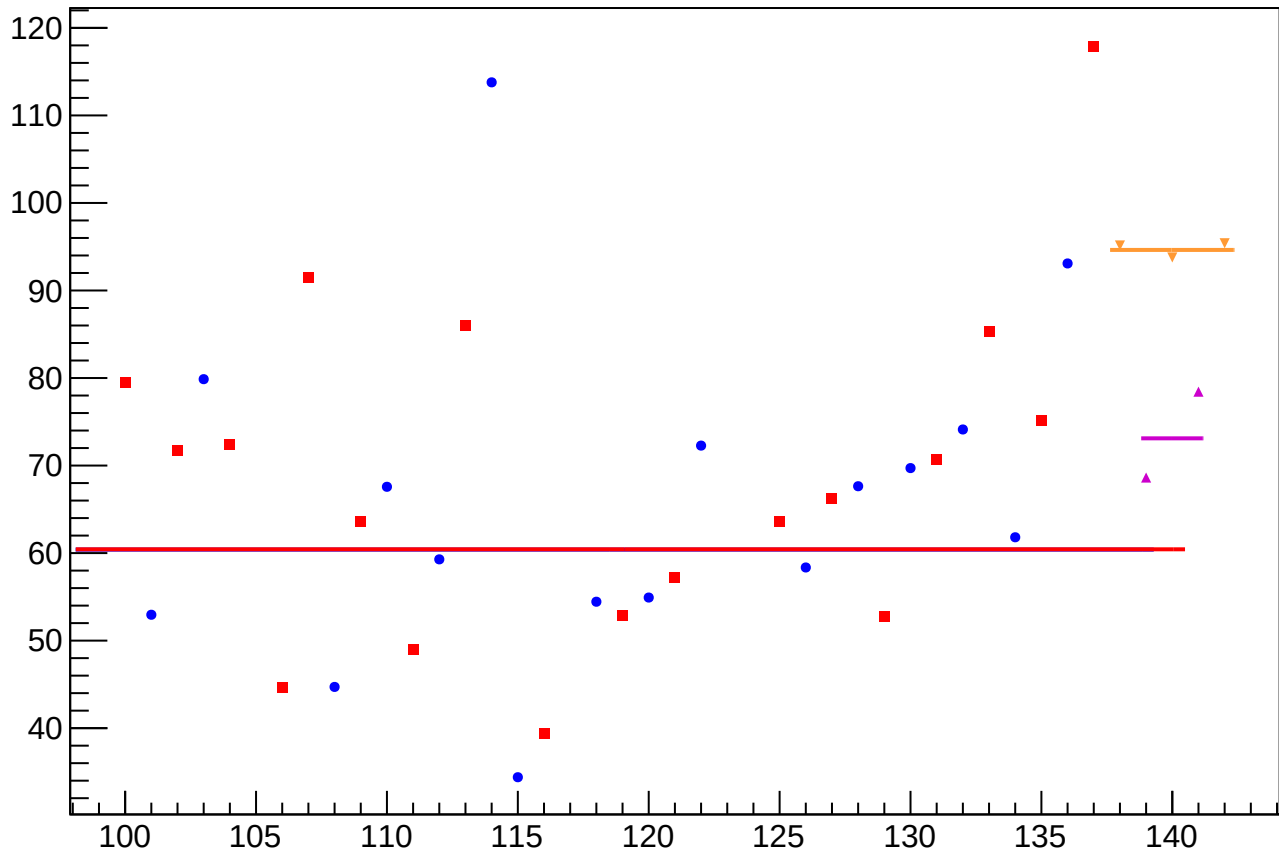
Left In: -0.030 ± 0.057 χ^2/NDF : 7.1/1

+ sign 0.001 ± 0.023 χ^2/NDF : 27.8/18

All: -0.003 ± 0.016 χ^2/NDF : 62.9/38

- sign -0.007 ± 0.022 χ^2/NDF : 35.1/19

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: 94.634 $\pm$ 0.048 χ^2 /NDF: 227.9/2

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

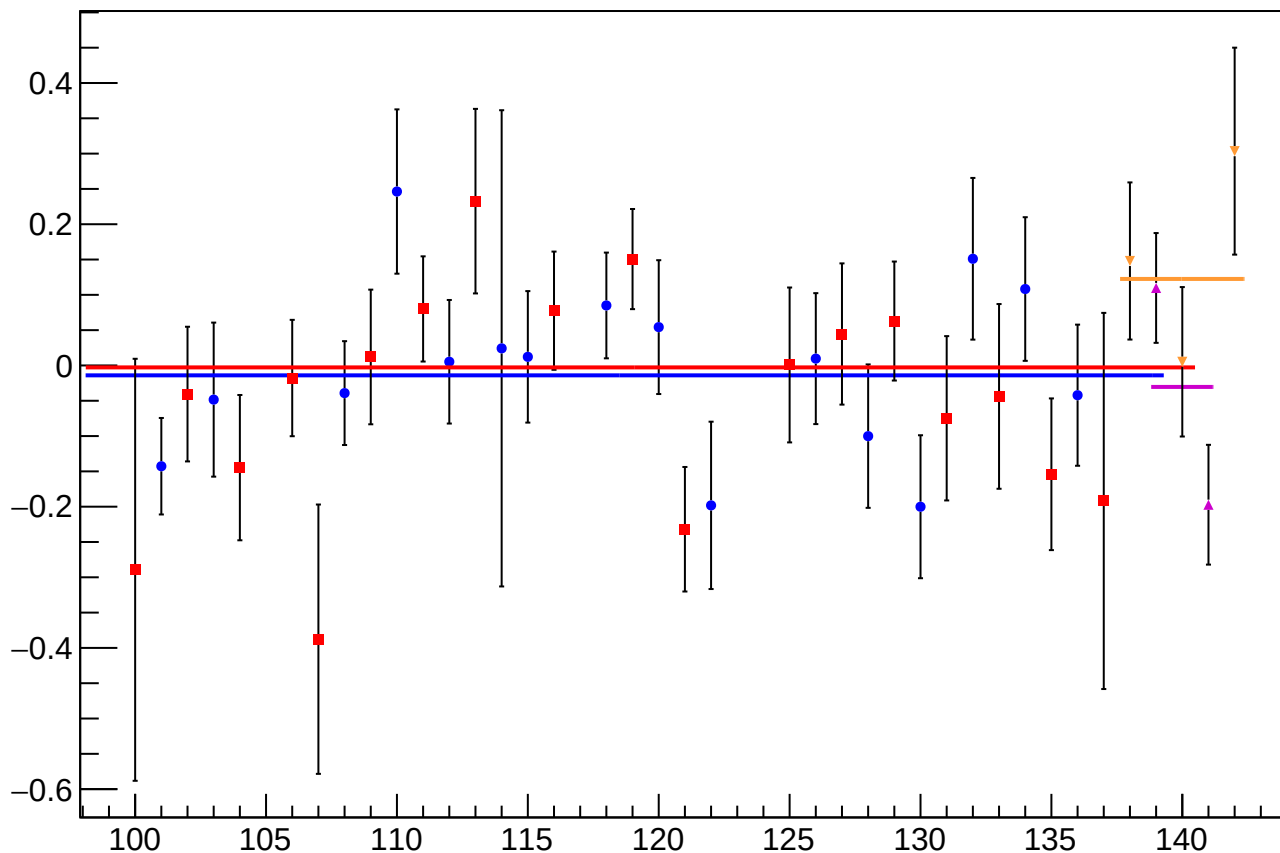
Left In: 73.110 $\pm$ 0.041 χ^2 /NDF: 14537.2/1

+ sign 64.157 $\pm$ 0.016 χ^2 /NDF: 1155548.4/18

All: 63.204 $\pm$ 0.011 χ^2 /NDF: 1971679.3/38

- sign 62.296 $\pm$ 0.016 χ^2 /NDF: 809132.7/19

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: 0.123 ± 0.068 χ^2/NDF : 2.8/2

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

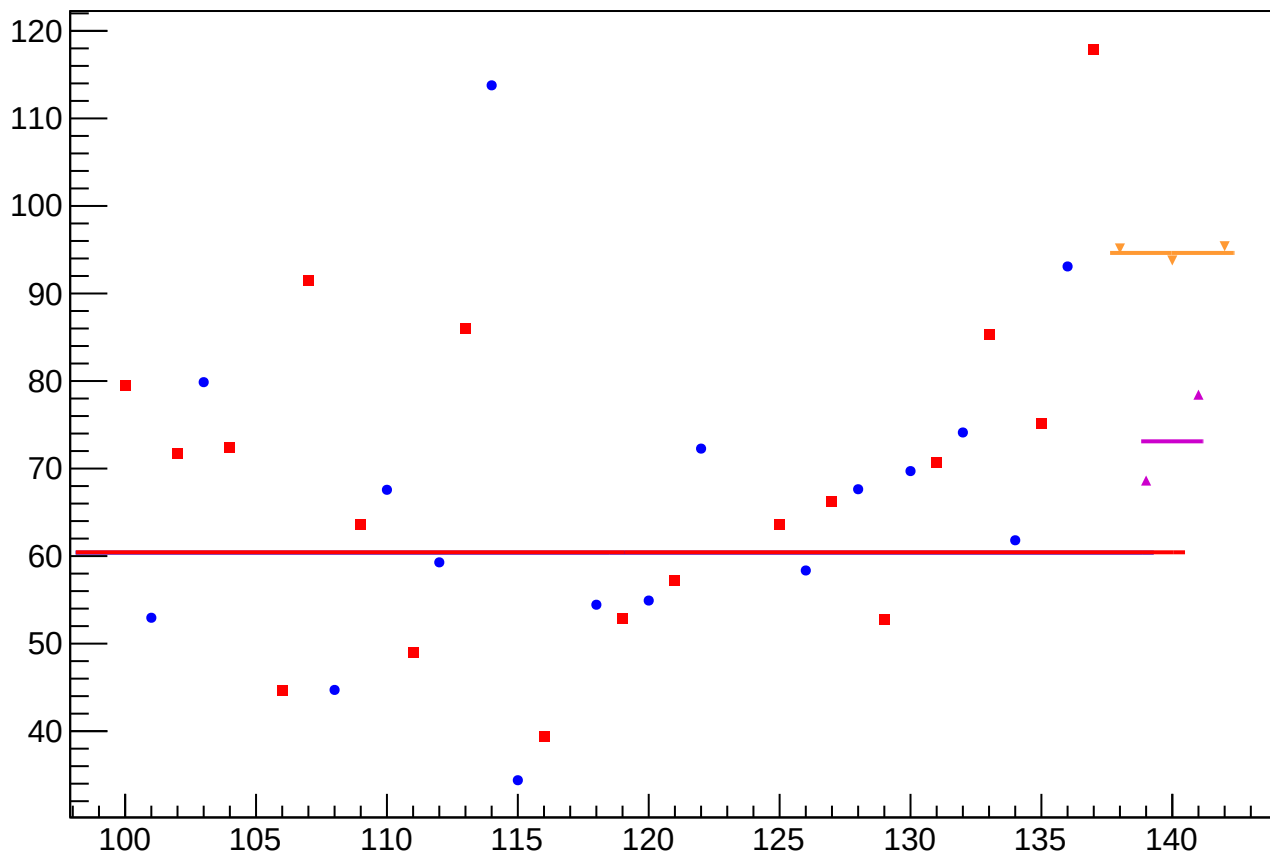
Left In: -0.030 ± 0.057 χ^2/NDF : 7.1/1

+ sign 0.001 ± 0.023 χ^2/NDF : 27.8/18

All: -0.003 ± 0.016 χ^2/NDF : 62.9/38

- sign -0.007 ± 0.022 χ^2/NDF : 35.1/19

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 94.634 $\pm$ 0.048 χ^2 /NDF: 227.9/2

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

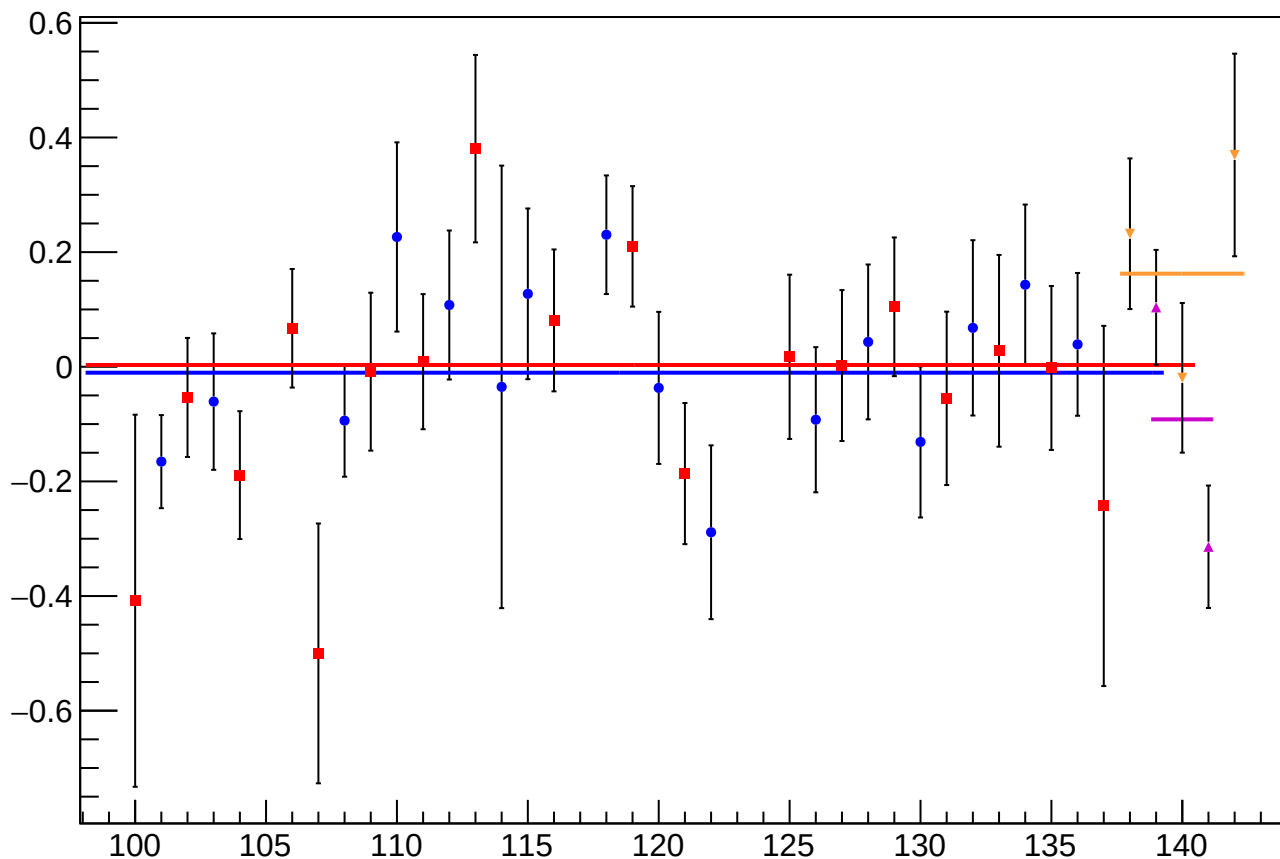
Left In: 73.110 $\pm$ 0.041 χ^2 /NDF: 14537.2/1

+ sign 64.157 $\pm$ 0.016 χ^2 /NDF: 1155548.4/18

All: 63.204 $\pm$ 0.011 χ^2 /NDF: 1971679.3/38

- sign 62.296 $\pm$ 0.016 χ^2 /NDF: 809132.7/19

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: 0.162 ± 0.082 χ^2/NDF : 3.6/2

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

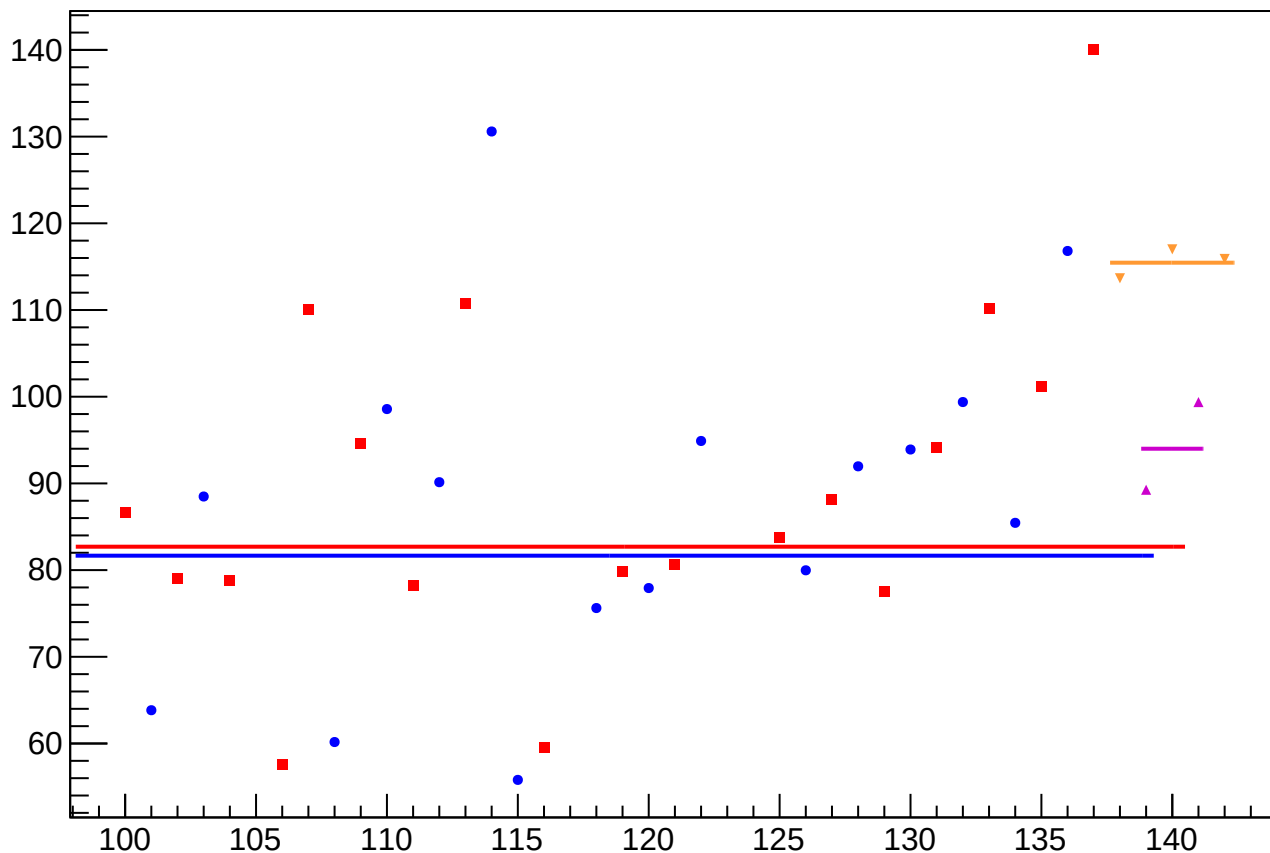
Left In: -0.092 ± 0.073 χ^2/NDF : 8.1/1

+ sign 0.012 ± 0.029 χ^2/NDF : 27.6/18

All: -0.000 ± 0.021 χ^2/NDF : 61.2/38

- sign -0.012 ± 0.029 χ^2/NDF : 33.2/19

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 115.458+/-0.058 χ^2/NDF : 664.7/2

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

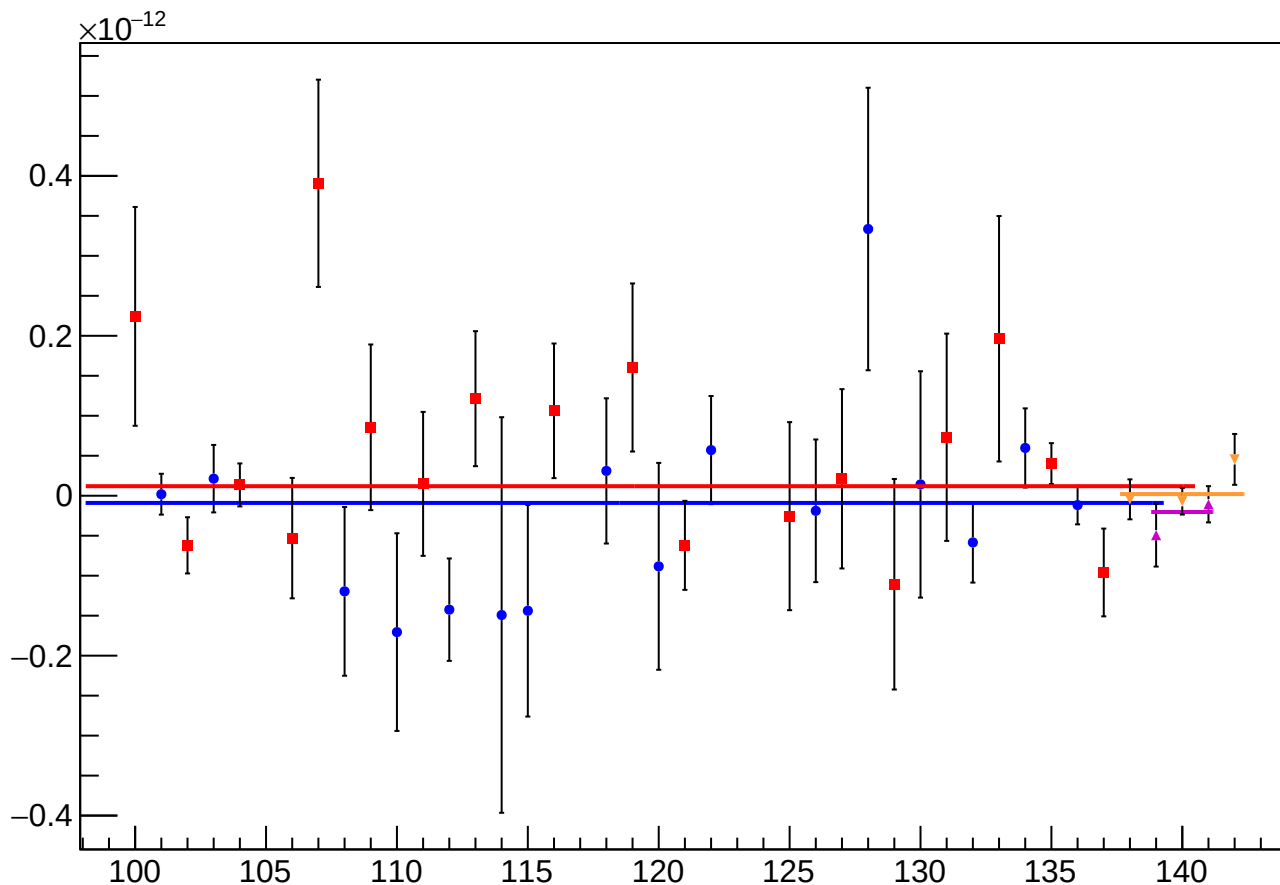
Left In: 94.000+/-0.052 χ^2/NDF : 9537.5/1

+ sign 86.030+/-0.021 χ^2/NDF : 858041.6/18

All: 85.252+/-0.015 χ^2/NDF : 1383633.9/38

- sign 84.494+/-0.021 χ^2/NDF : 522843.1/19

asym_us_avg_eigen_cor_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 : 2.2/2

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

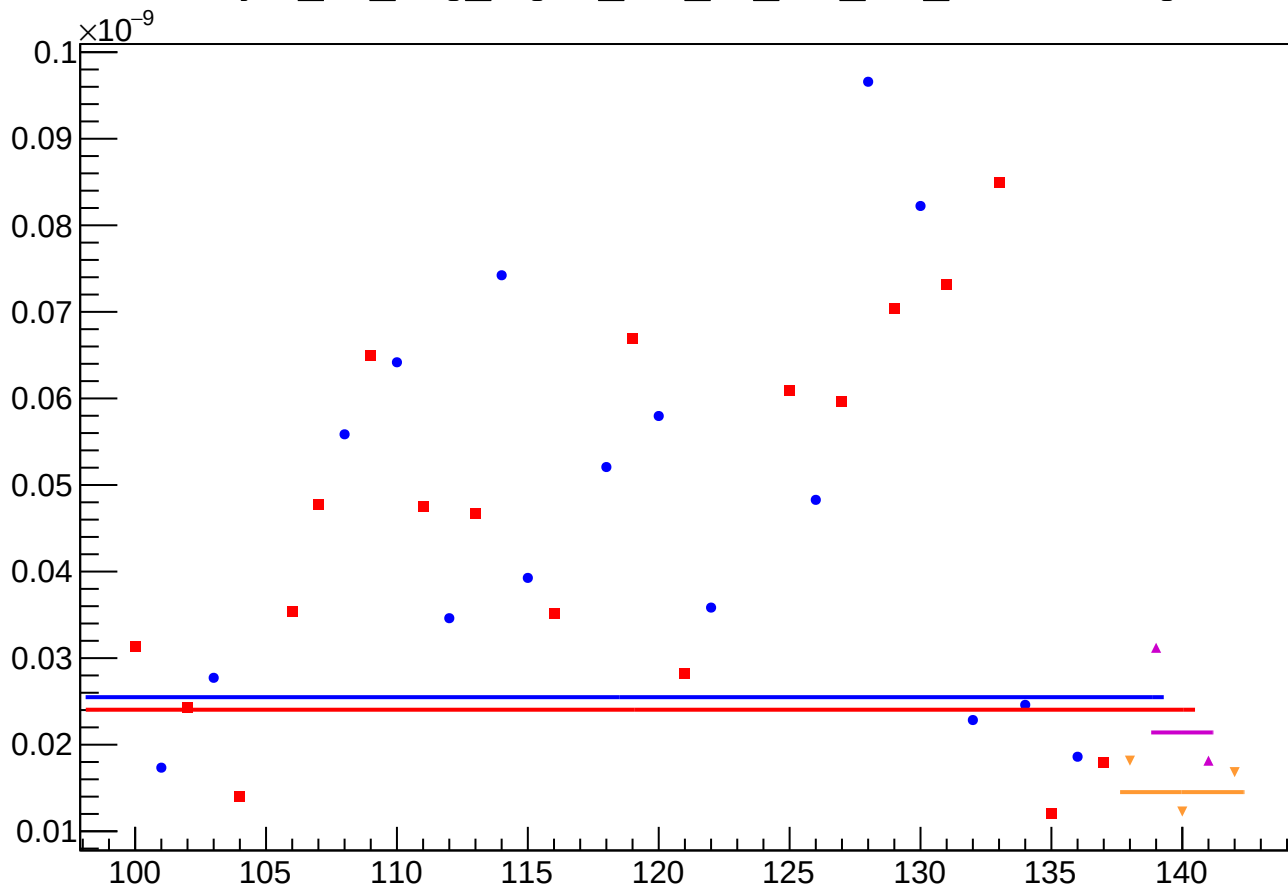
Left In: -0.000+/-0.000 χ^2/NDF : 0.7/1

+ sign -0.000+/-0.000 χ^2/NDF : 20.0/18

All: -0.000+/-0.000 χ^2/NDF : 53.8/38

- sign 0.000+/-0.000 χ^2/NDF : 33.6/19

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 : 89158.5/2

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

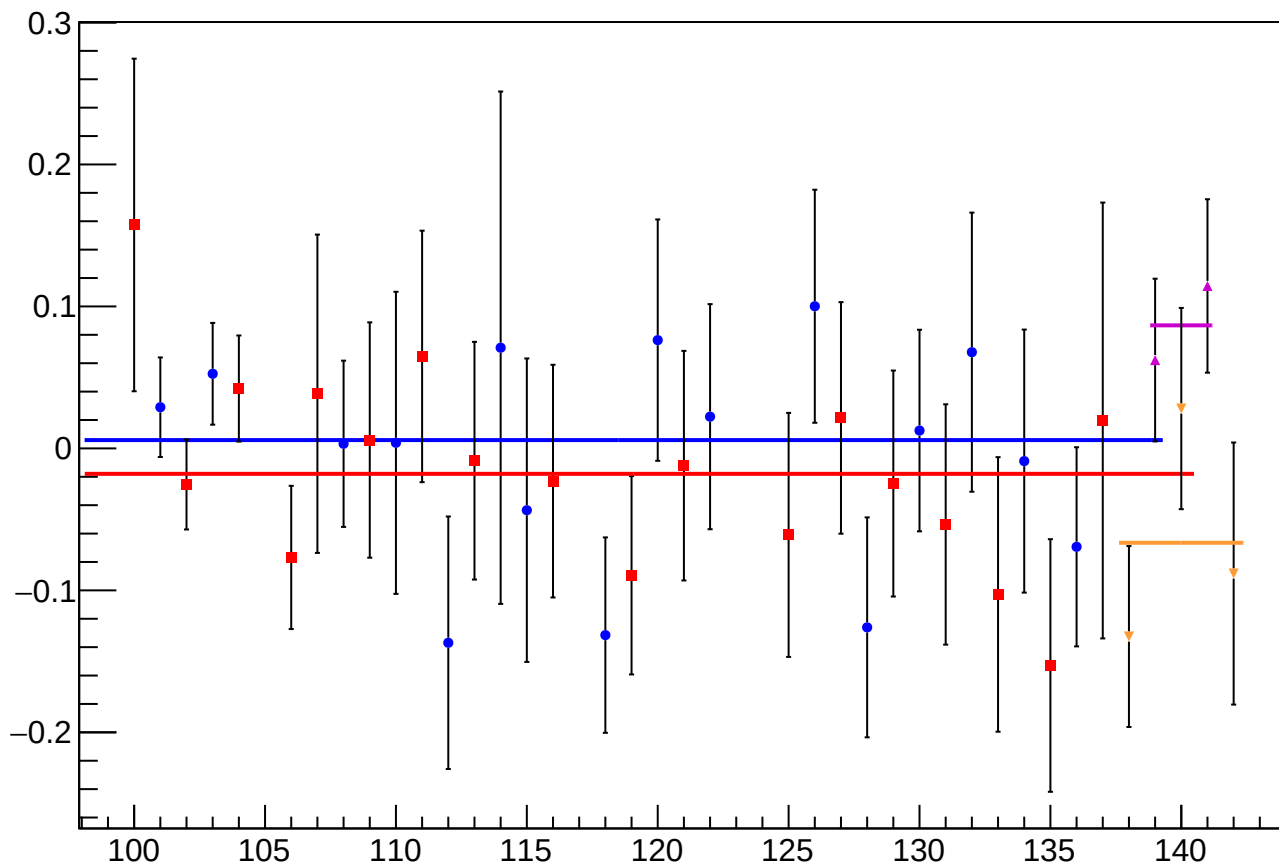
Left In: 0.000+/-0.000 χ^2/NDF : 165554.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 2803637.0/18

All: 0.000+/-0.000 χ^2/NDF : 6192220.3/38

- sign 0.000+/-0.000 χ^2/NDF : 3274589.7/19

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: -0.066 $\pm$ 0.042 χ^2 /NDF: 2.9/2

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

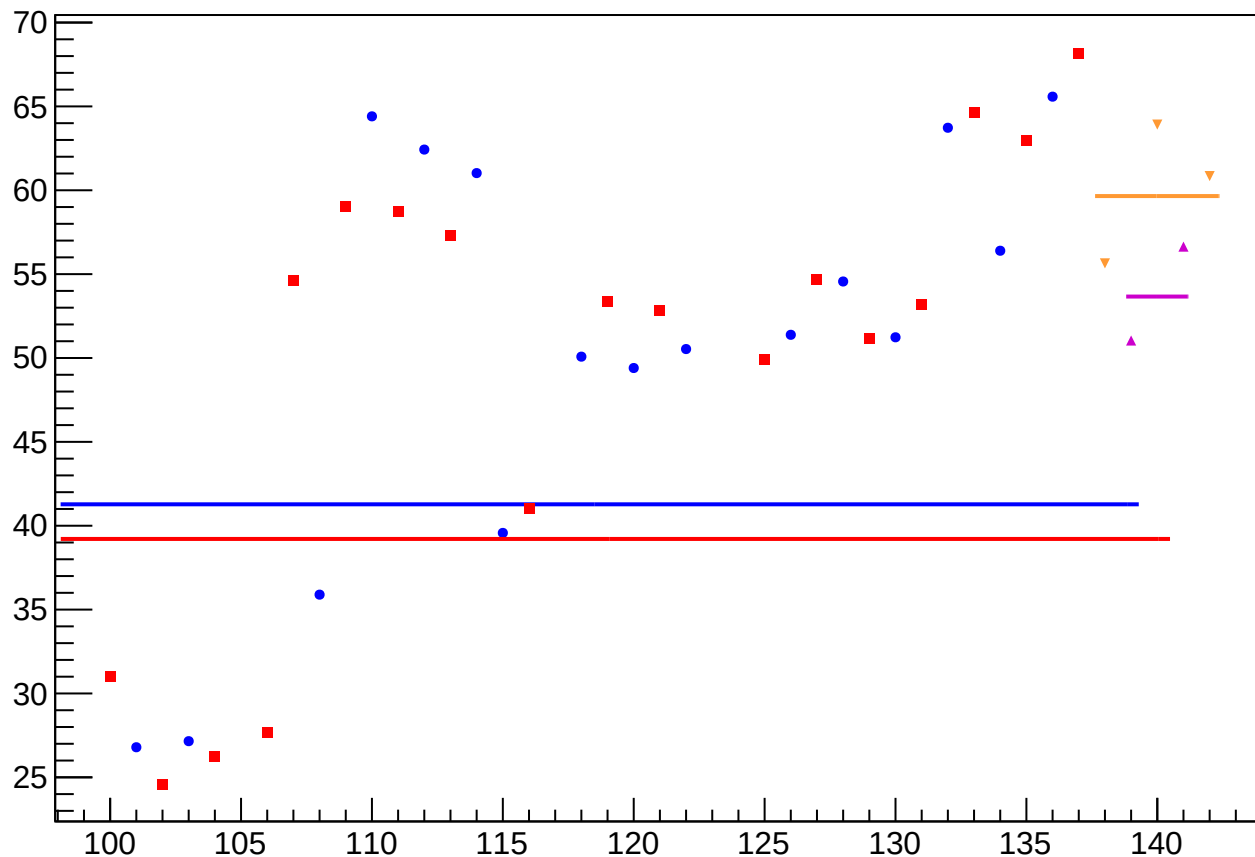
Left In: 0.087 $\pm$ 0.042 χ^2 /NDF: 0.4/1

+ sign -0.004 $\pm$ 0.015 χ^2 /NDF: 21.0/18

All: -0.004 $\pm$ 0.011 χ^2 /NDF: 39.2/38

- sign -0.005 $\pm$ 0.015 χ^2 /NDF: 18.2/19

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: 59.654 $\pm$ 0.030 χ^2 /NDF:15494.3/2

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

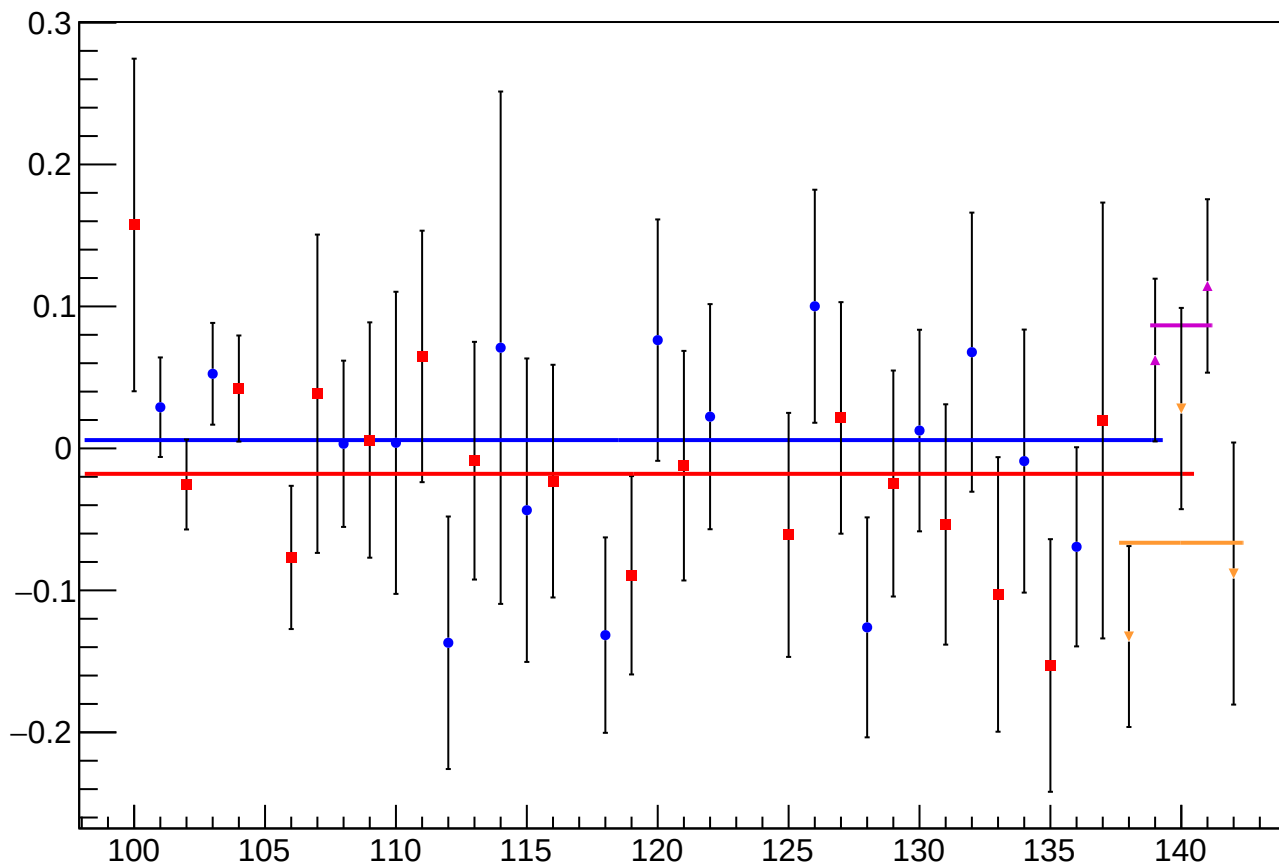
Left In: 53.663 $\pm$ 0.030 χ^2 /NDF:8932.7/1

+ sign 43.725 $\pm$ 0.011 χ^2 /NDF: 1850212.4/18

All: 42.306 $\pm$ 0.008 χ^2 /NDF: 3921105.6/38

- sign 41.006 $\pm$ 0.010 χ^2 /NDF: 2038298.3/19

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: -0.066 $\pm$ 0.042 χ^2 /NDF: 2.9/2

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

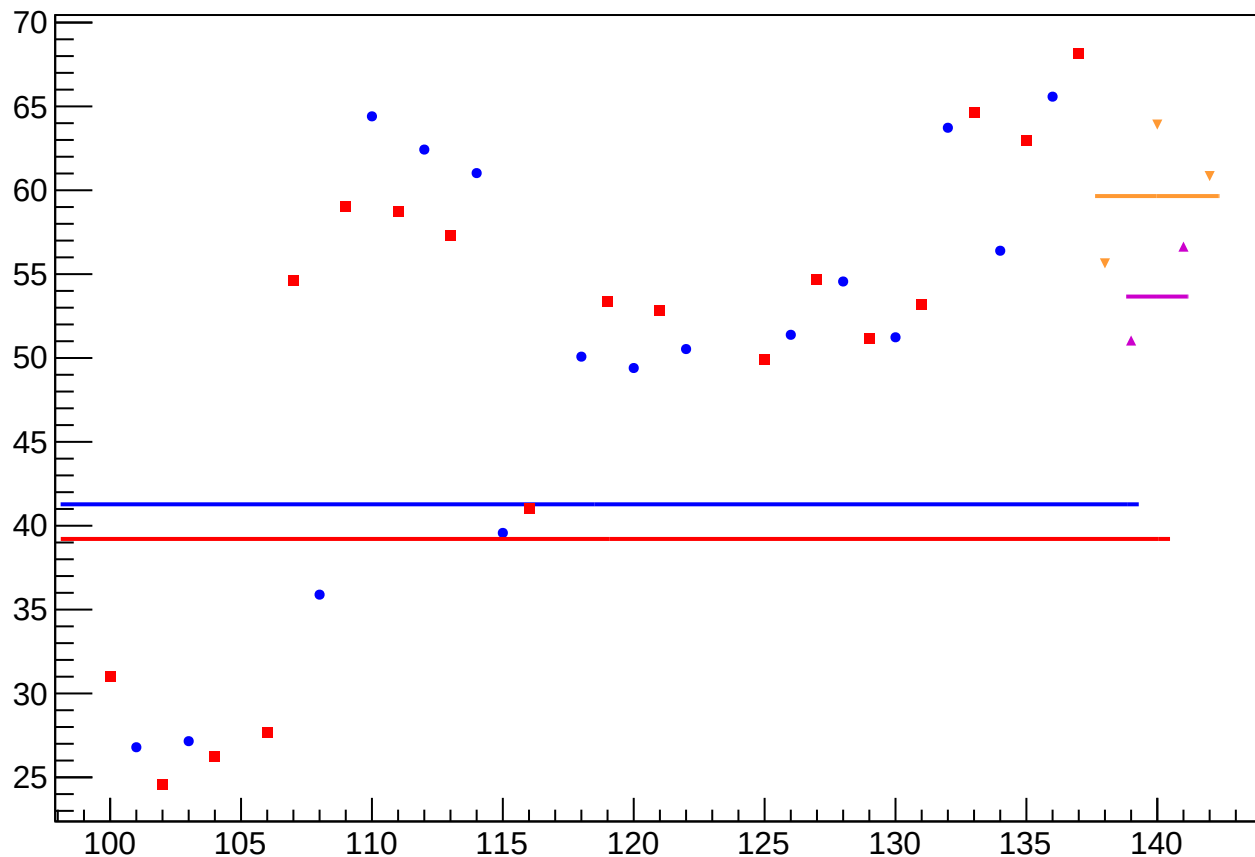
Left In: 0.087 $\pm$ 0.042 χ^2 /NDF: 0.4/1

+ sign -0.004 $\pm$ 0.015 χ^2 /NDF: 21.0/18

All: -0.004 $\pm$ 0.011 χ^2 /NDF: 39.2/38

- sign -0.005 $\pm$ 0.015 χ^2 /NDF: 18.2/19

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 59.654+/-0.030 χ^2/NDF : 15494.3/2

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

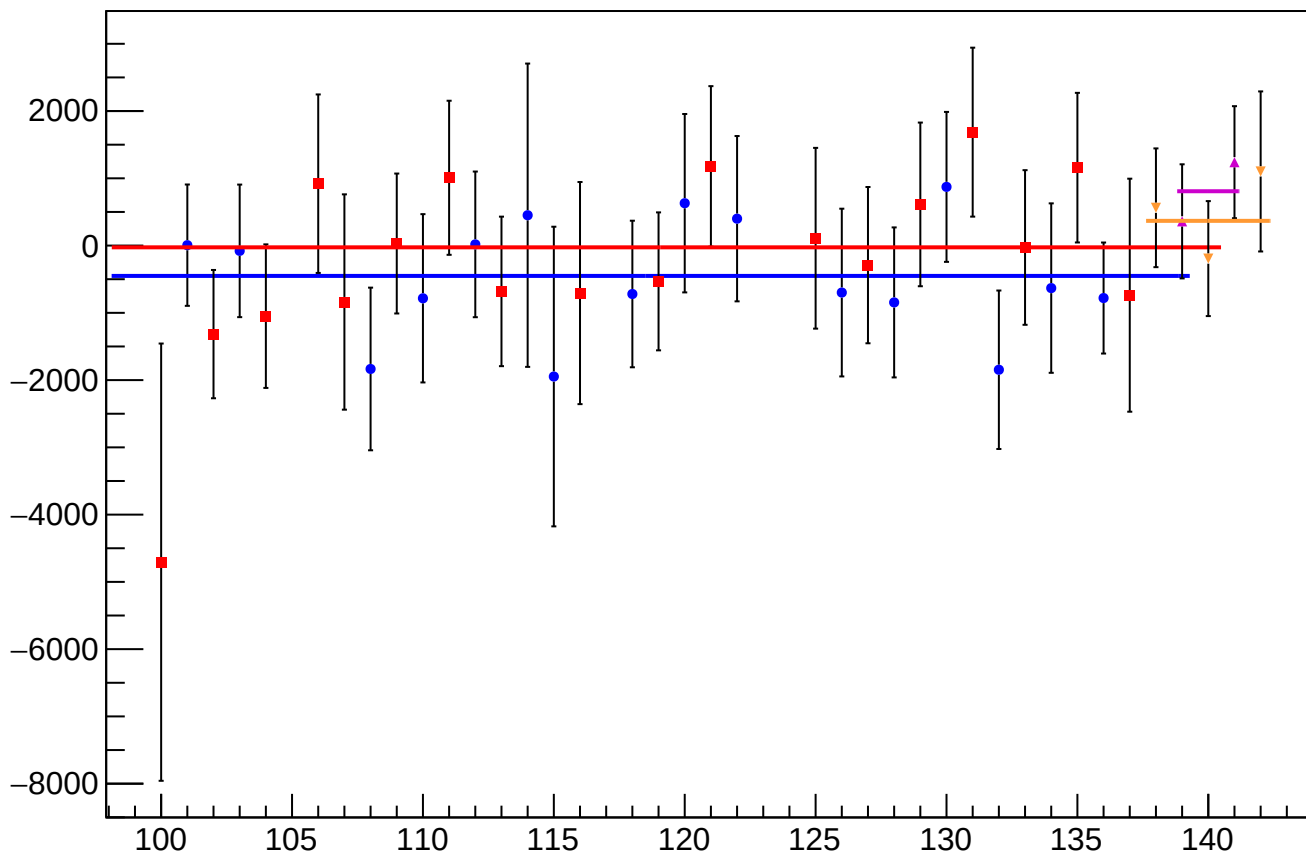
Left In: 53.663+/-0.030 χ^2/NDF : 8932.7/1

+ sign 43.725+/-0.011 χ^2/NDF : 1850212.4/18

All: 42.306+/-0.008 χ^2/NDF : 3921105.6/38

- sign 41.006+/-0.010 χ^2/NDF : 2038298.3/19

reg_asym_us_dd_mean vs Slug



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

Left Out: 367.653 ± 545.666 χ^2/NDF : 0.9/2

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

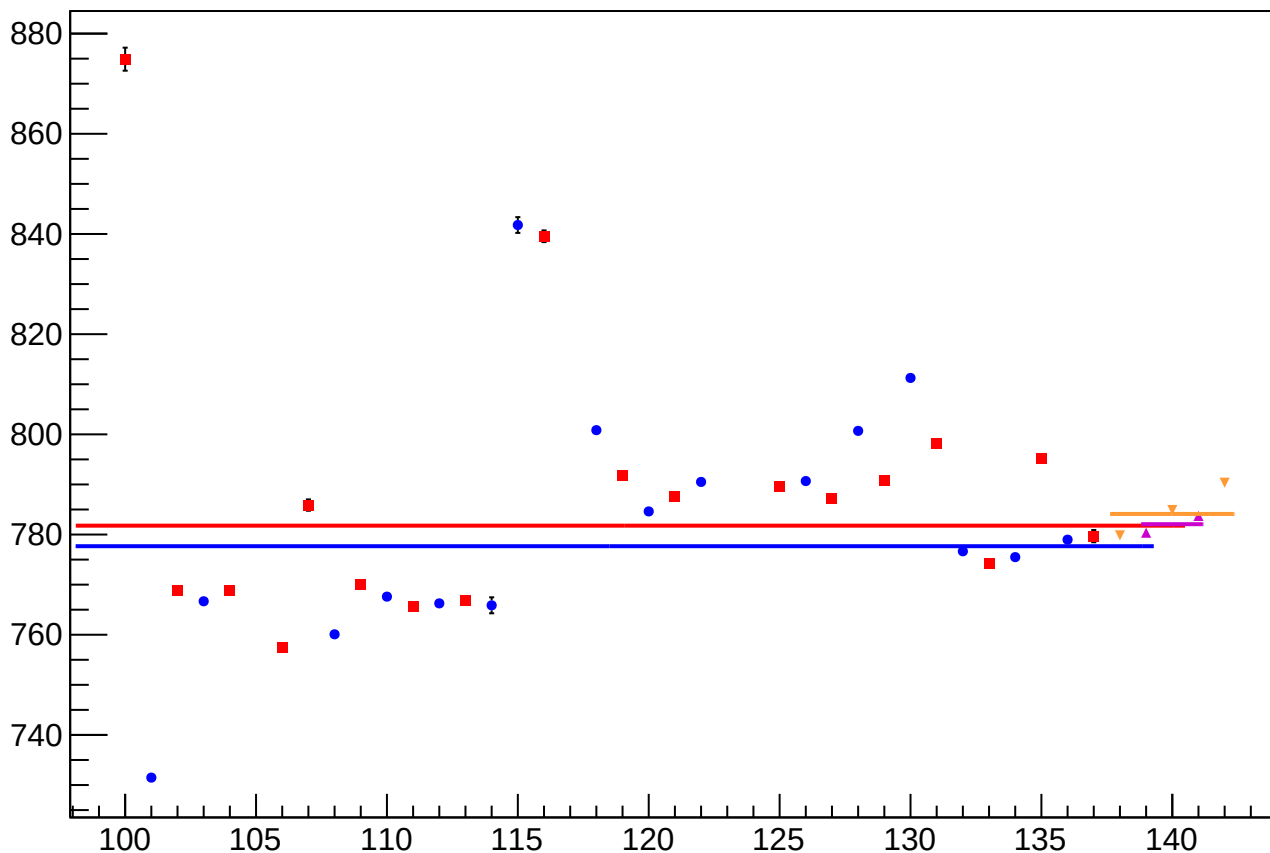
Left In: 807.849 ± 594.309 χ^2/NDF : 0.5/1

+ sign -271.678 ± 255.358 χ^2/NDF : 9.6/18

All: -72.597 ± 181.919 χ^2/NDF : 24.6/38

- sign 132.567 ± 259.230 χ^2/NDF : 13.8/19

reg_asym_us_dd_rms vs Slug



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

Left Out: 784.113 $\pm$ 0.386 χ^2 /NDF:103.4/2

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

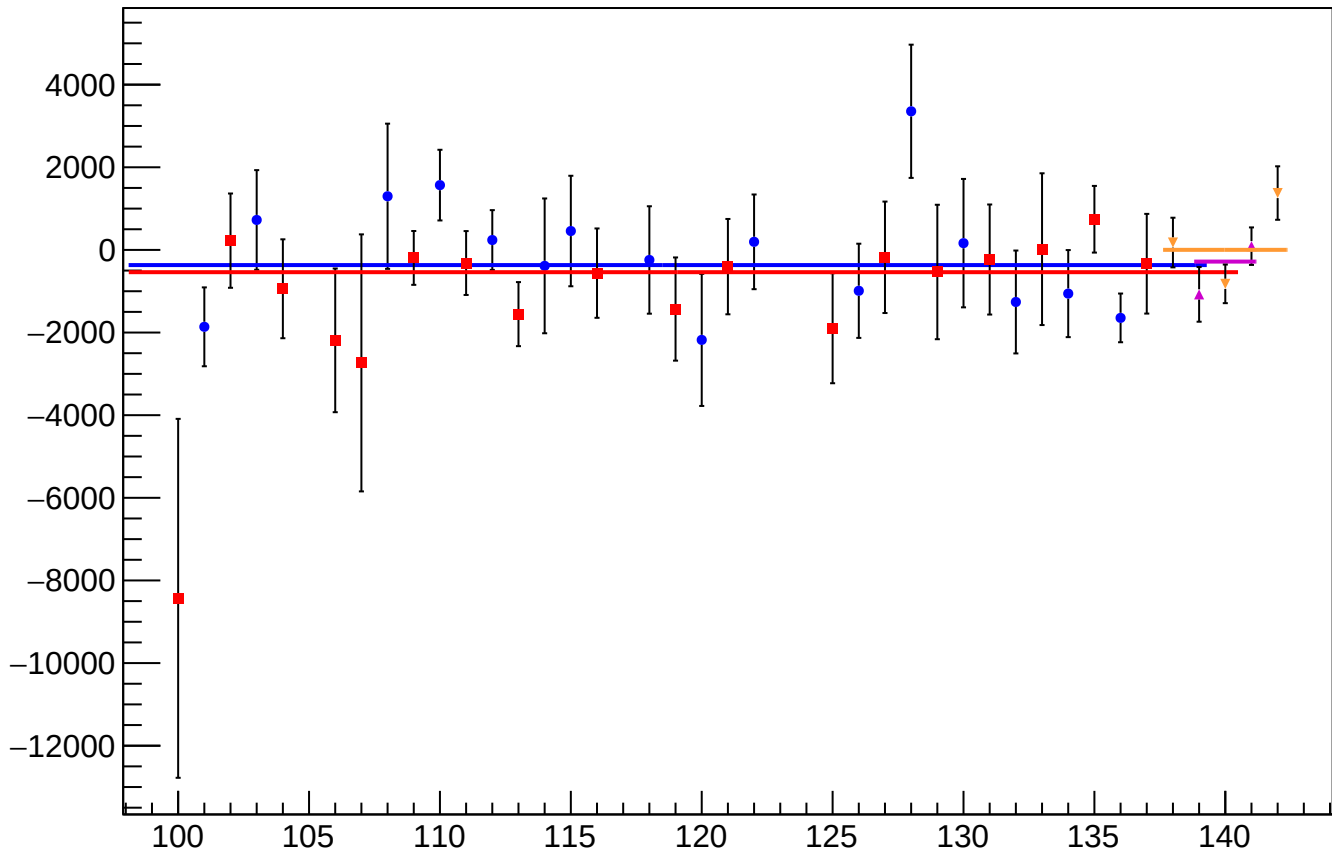
Left In: 782.070 $\pm$ 0.420 χ^2 /NDF:15.8/1

+ sign 779.084 $\pm$ 0.181 χ^2 /NDF: 12376.2/18

All: 780.438 $\pm$ 0.129 χ^2 /NDF: 20132.8/38

- sign 781.832 $\pm$ 0.183 χ^2 /NDF: 7642.5/19

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: 1.796 ± 320.458 χ^2/NDF : 7.7/2

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

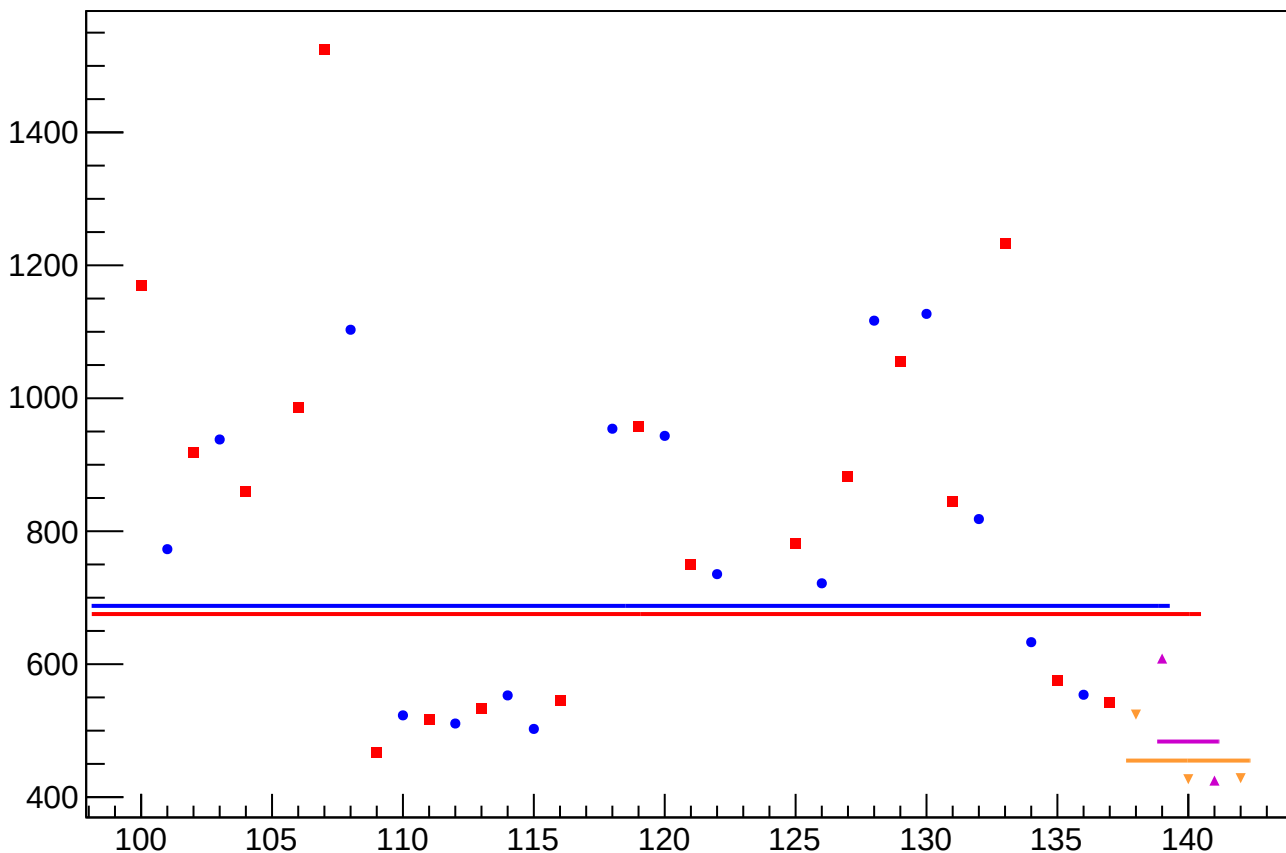
Left In: -282.587 ± 374.289 χ^2/NDF : 2.1/1

+ sign -216.093 ± 204.993 χ^2/NDF : 31.8/18

All: -329.406 ± 148.409 χ^2/NDF : 46.5/38

- sign -454.210 ± 215.137 χ^2/NDF : 14.1/19

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 454.993+/-0.227 χ^2/NDF : 37078.0/2

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

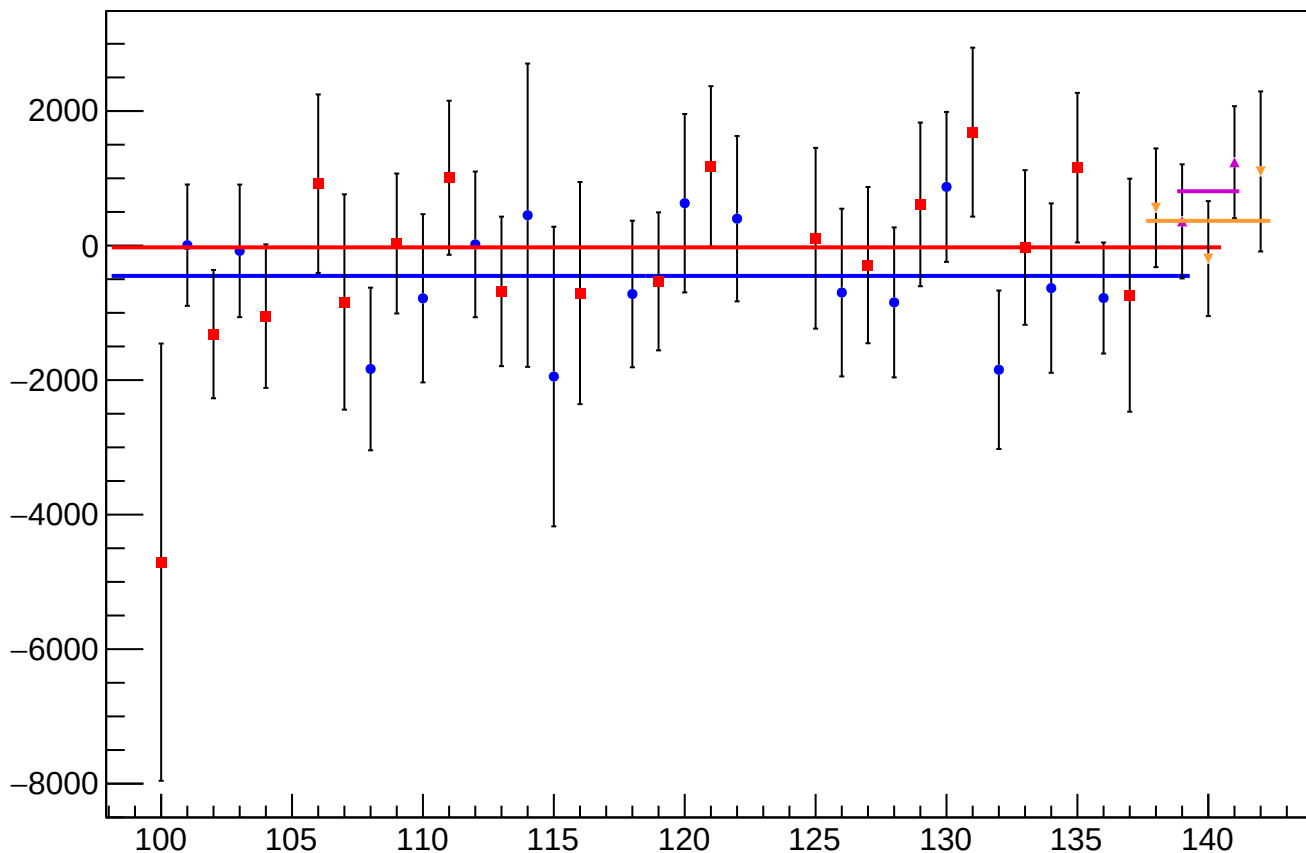
Left In: 483.631+/-0.265 χ^2/NDF : 104671.5/1

+ sign 592.486+/-0.145 χ^2/NDF : 1692158.1/18

All: 601.795+/-0.105 χ^2/NDF : 3470098.6/38

- sign 612.049+/-0.152 χ^2/NDF : 1769272.5/19

cor_asym_us_dd_mean vs Slug



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

Left Out: 367.653 ± 545.666 χ^2/NDF : 0.9/2

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

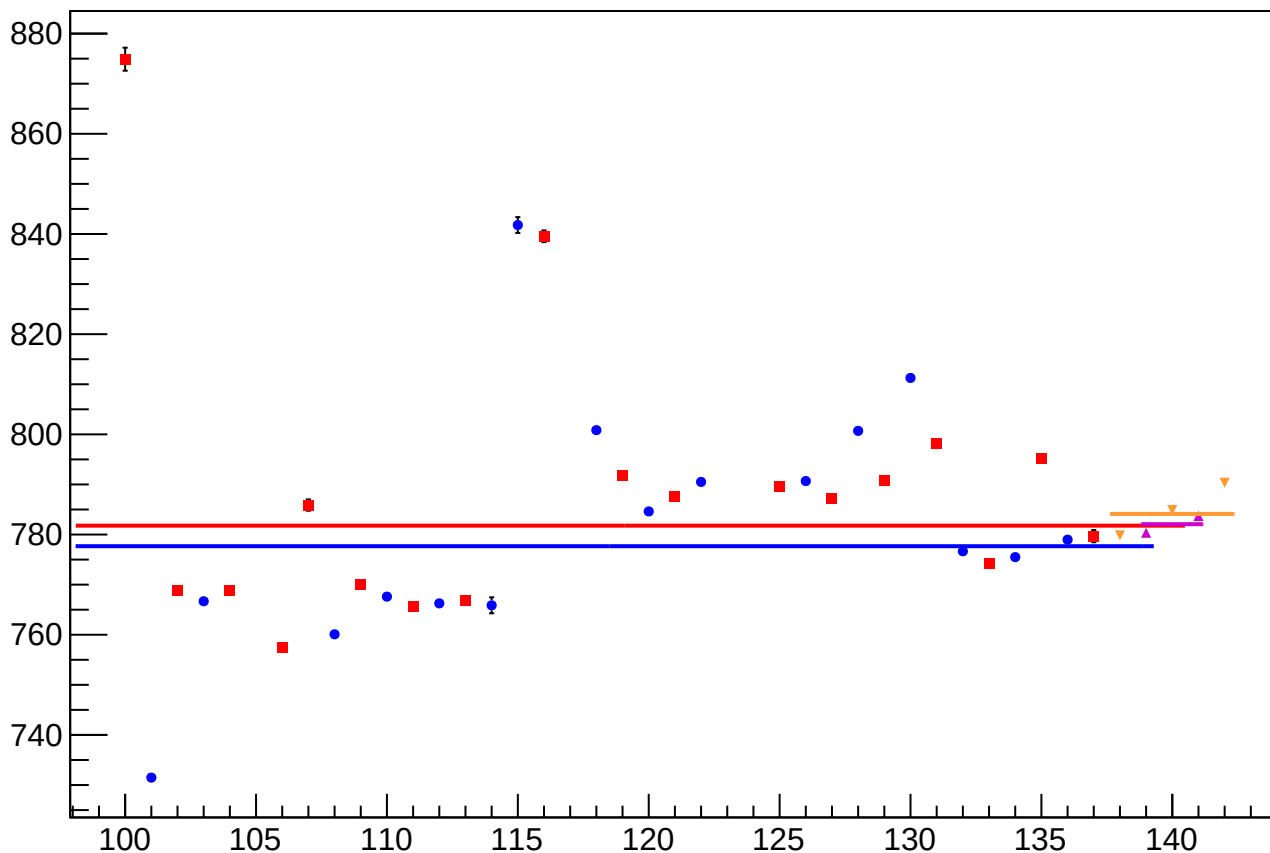
Left In: 807.849 ± 594.309 χ^2/NDF : 0.5/1

+ sign -271.678 ± 255.358 χ^2/NDF : 9.6/18

All: -72.597 ± 181.919 χ^2/NDF : 24.6/38

- sign 132.567 ± 259.230 χ^2/NDF : 13.8/19

cor_asym_us_dd_rms vs Slug



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

Left Out: 784.113 $\pm$ 0.386 χ^2 /NDF:103.4/2

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

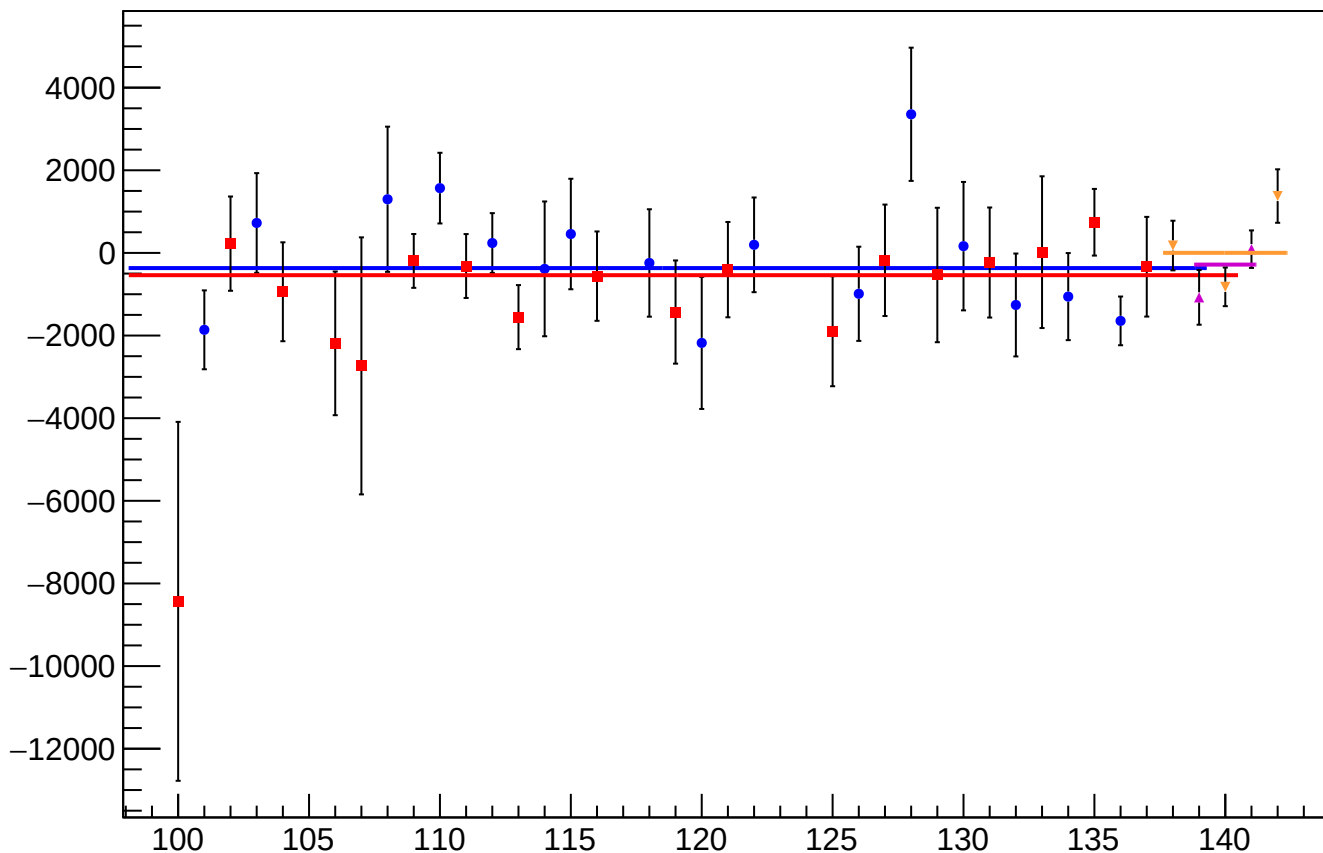
Left In: 782.070 $\pm$ 0.420 χ^2 /NDF:15.8/1

+ sign 779.084 $\pm$ 0.181 χ^2 /NDF: 12376.2/18

All: 780.438 $\pm$ 0.129 χ^2 /NDF: 20132.8/38

- sign 781.832 $\pm$ 0.183 χ^2 /NDF: 7642.5/19

asym_us_dd_cor_correction_mean vs Slug



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

Left Out: 1.796 ± 320.458 χ^2/NDF : 7.7/2

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

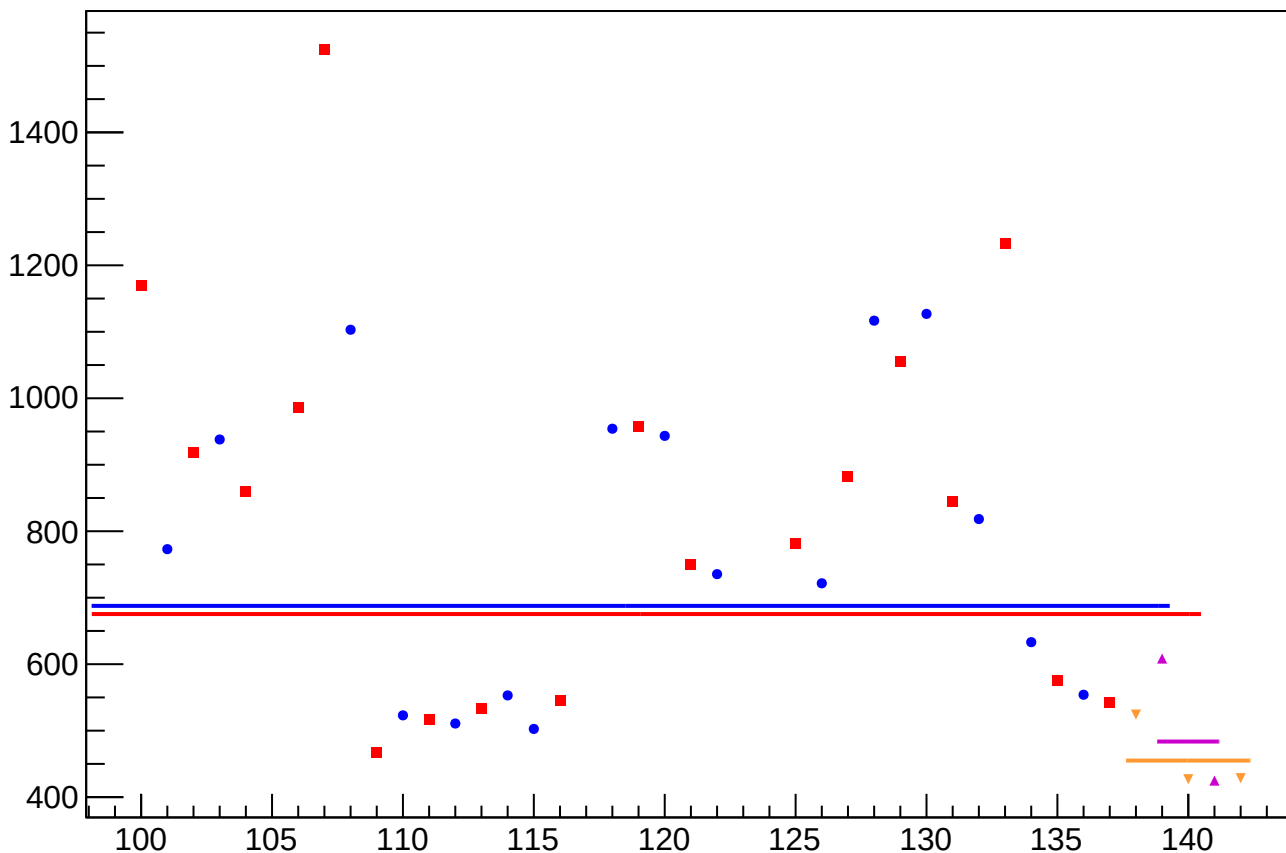
Left In: -282.587 ± 374.289 χ^2/NDF : 2.1/1

+ sign -216.093 ± 204.993 χ^2/NDF : 31.8/18

All: -329.406 ± 148.409 χ^2/NDF : 46.5/38

- sign -454.210 ± 215.137 χ^2/NDF : 14.1/19

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 454.993+/-0.227 χ^2/NDF : 37078.0/2

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

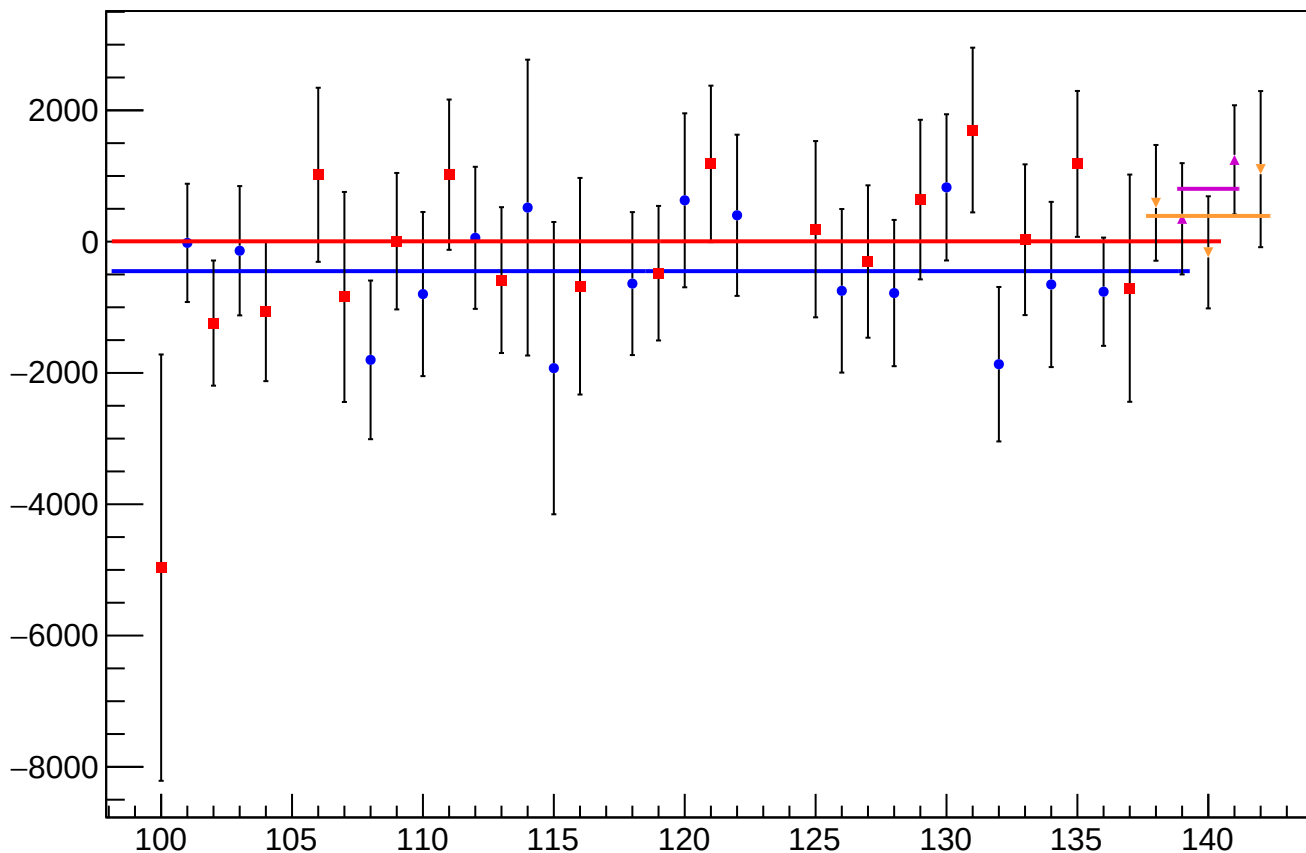
Left In: 483.631+/-0.265 χ^2/NDF : 104671.5/1

+ sign 592.486+/-0.145 χ^2/NDF : 1692158.1/18

All: 601.795+/-0.105 χ^2/NDF : 3470098.6/38

- sign 612.049+/-0.152 χ^2/NDF : 1769272.5/19

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: 391.444 ± 545.101 χ^2/NDF : 0.8/2

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

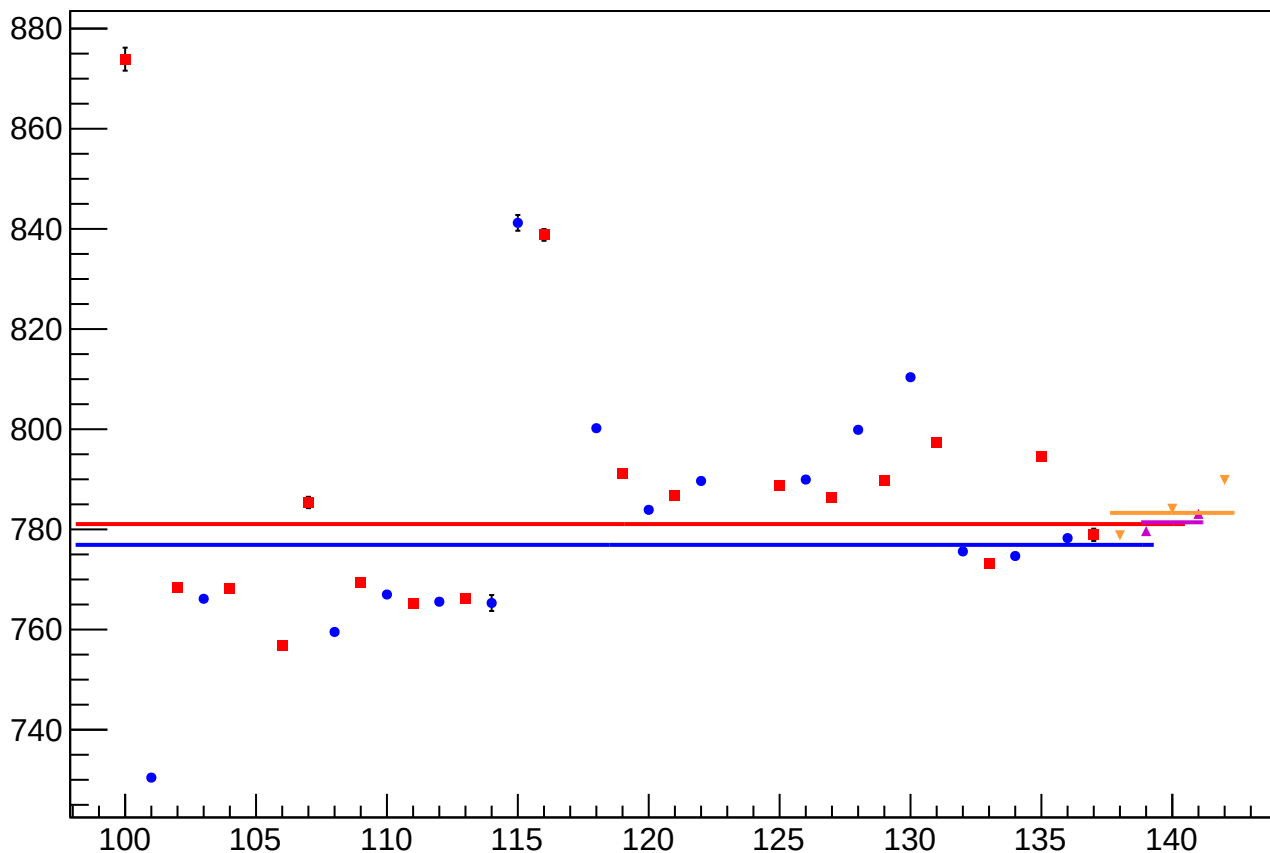
Left In: 804.514 ± 593.813 χ^2/NDF : 0.6/1

+ sign -265.262 ± 255.105 χ^2/NDF : 9.4/18

All: -57.422 ± 181.747 χ^2/NDF : 24.7/38

- sign 156.807 ± 258.996 χ^2/NDF : 13.9/19

overload_cor_asym_us_dd_rms vs Slug



Right In: 776.913 $\pm$ 0.204 χ^2 /NDF: 12123.6/15

Left Out: 783.301 $\pm$ 0.385 χ^2 /NDF:114.3/2

Right Out: 781.061 $\pm$ 0.204 χ^2 /NDF: 7585.8/17

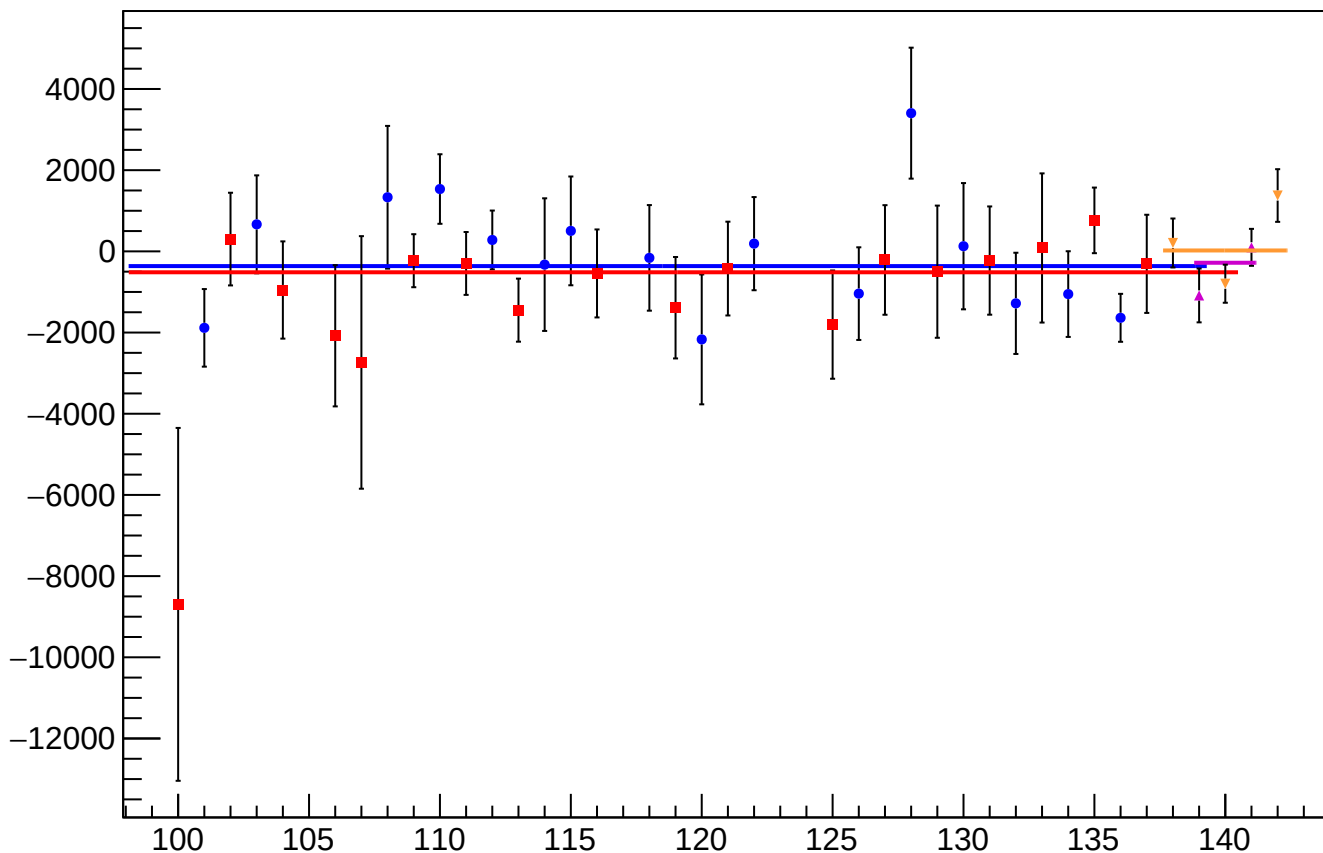
Left In: 781.416 $\pm$ 0.420 χ^2 /NDF:16.8/1

+ sign 778.312 $\pm$ 0.180 χ^2 /NDF: 12452.4/18

All: 779.699 $\pm$ 0.129 χ^2 /NDF: 20175.6/38

- sign 781.129 $\pm$ 0.183 χ^2 /NDF: 7603.2/19

asym_us_dd_overload_cor_correction_mean vs Slug



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

Left Out: 22.132 ± 321.416 χ^2/NDF : 7.5/2

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

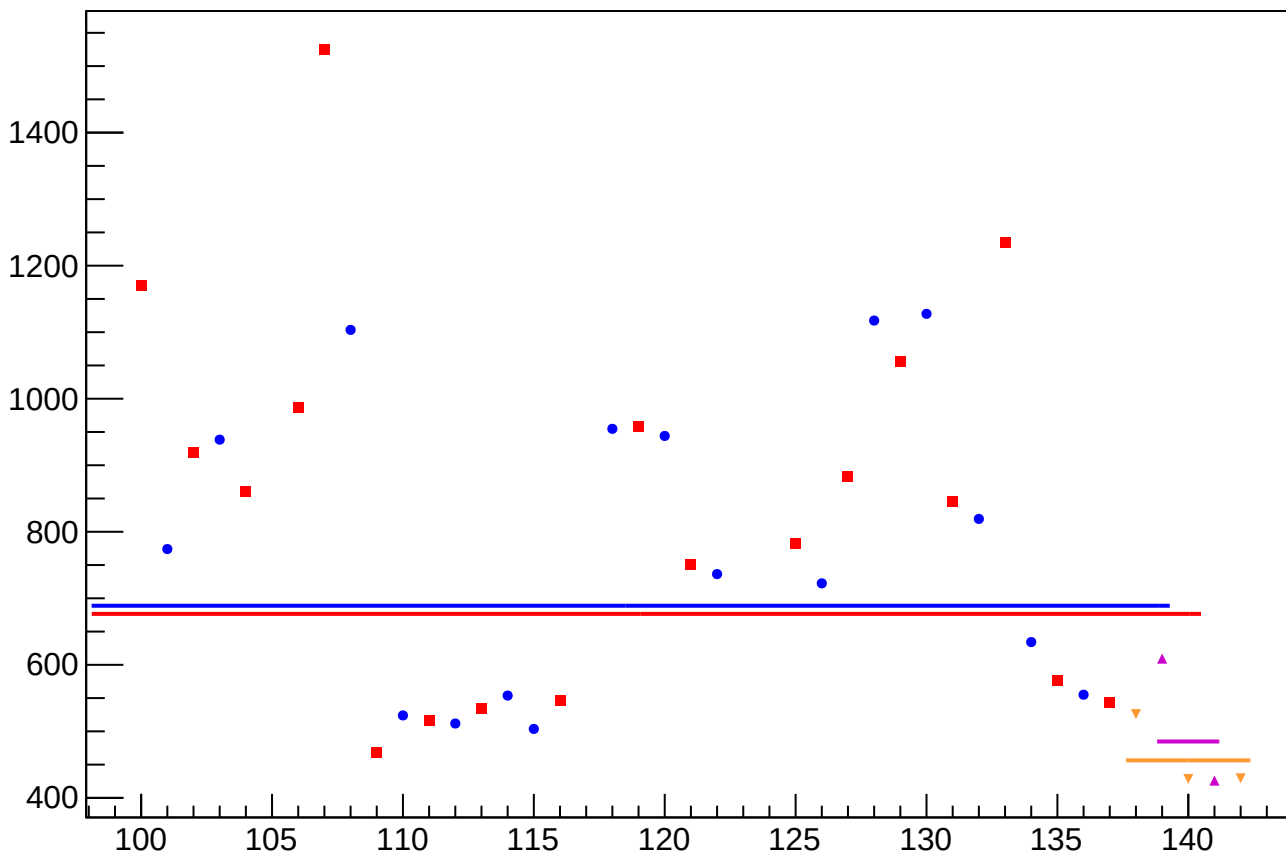
Left In: -280.545 ± 375.118 χ^2/NDF : 2.2/1

+ sign -205.577 ± 205.420 χ^2/NDF : 31.7/18

All: -316.130 ± 148.693 χ^2/NDF : 46.2/38

- sign -437.812 ± 215.511 χ^2/NDF : 13.8/19

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 456.388+/-0.227 χ^2/NDF : 37173.6/2

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

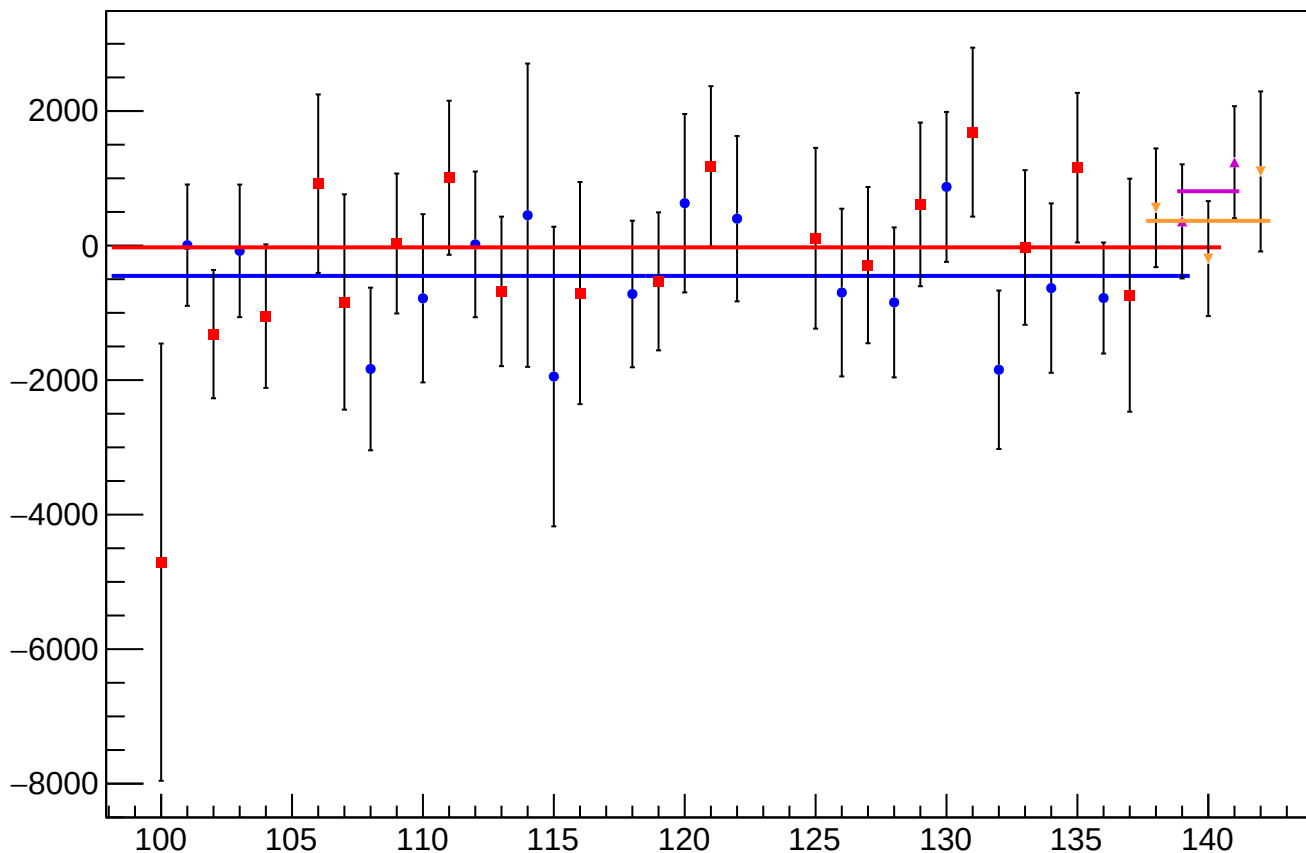
Left In: 484.753+/-0.265 χ^2/NDF : 104050.4/1

+ sign 593.886+/-0.145 χ^2/NDF : 1684022.2/18

All: 603.108+/-0.105 χ^2/NDF : 3454932.5/38

- sign 613.259+/-0.152 χ^2/NDF : 1762442.5/19

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: 367.653+/-545.666 χ^2/NDF : 0.9/2

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

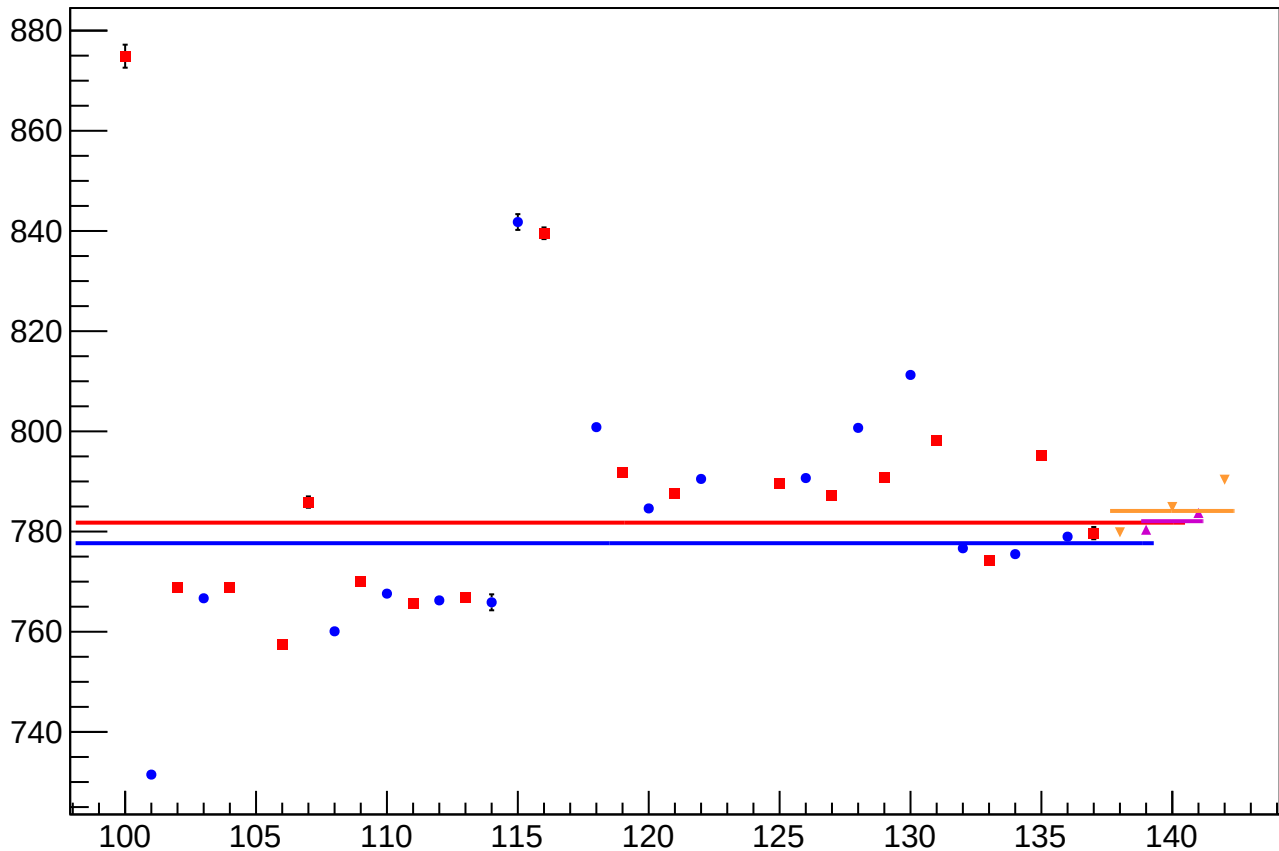
Left In: 807.849+/-594.309 χ^2/NDF : 0.5/1

+ sign -271.678+/-255.358 χ^2/NDF : 9.6/18

All: -72.597+/-181.919 χ^2/NDF : 24.6/38

- sign 132.567+/-259.230 χ^2/NDF : 13.8/19

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 784.113+/-0.386 χ^2/NDF : 103.4/2

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

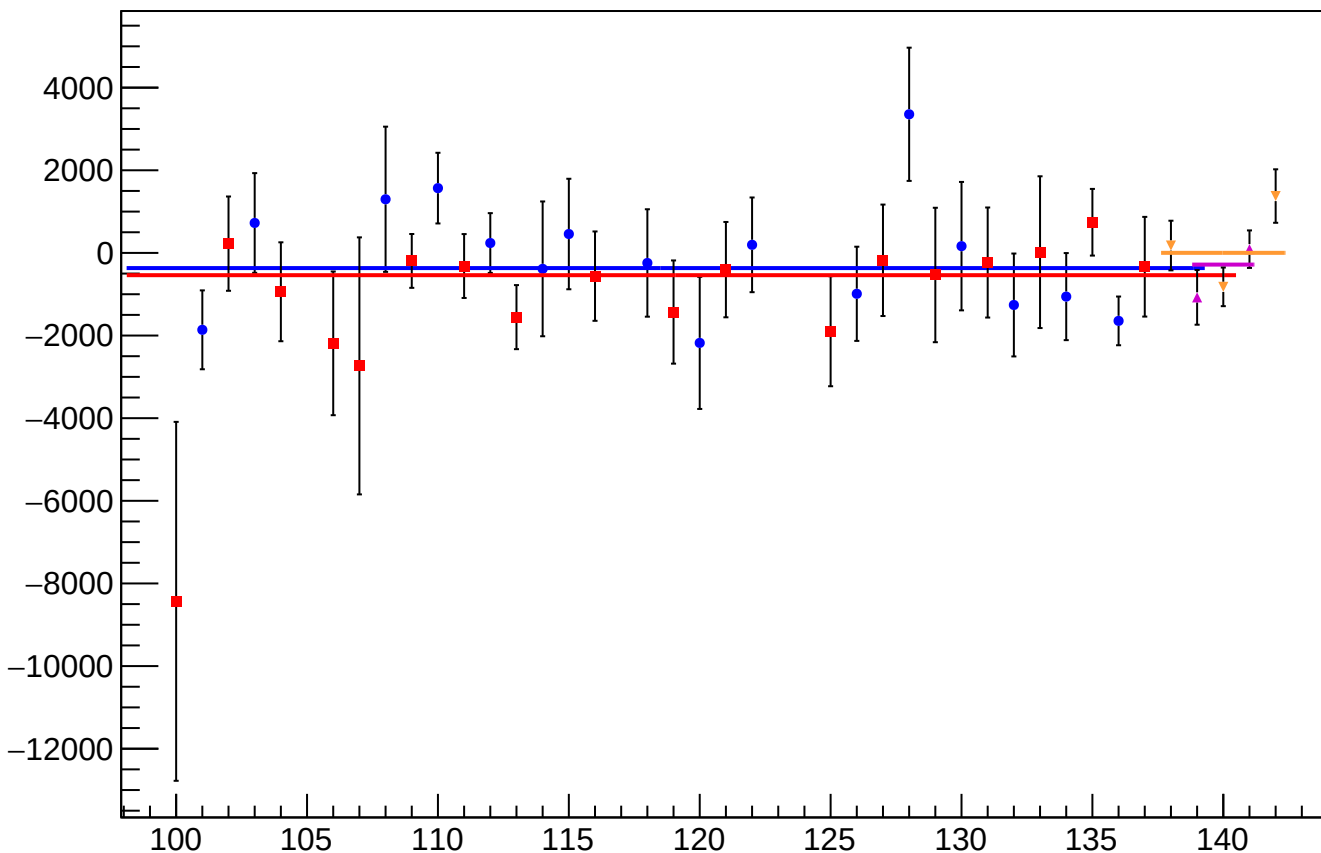
Left In: 782.070+/-0.420 χ^2/NDF : 15.8/1

+ sign 779.084+/-0.181 χ^2/NDF : 12376.2/18

All: 780.438+/-0.129 χ^2/NDF : 20132.8/38

- sign 781.832+/-0.183 χ^2/NDF : 7642.5/19

asym_us_dd_eigen_cor_correction_mean vs Slug



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

Left Out: 1.796 ± 320.458 χ^2/NDF : 7.7/2

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

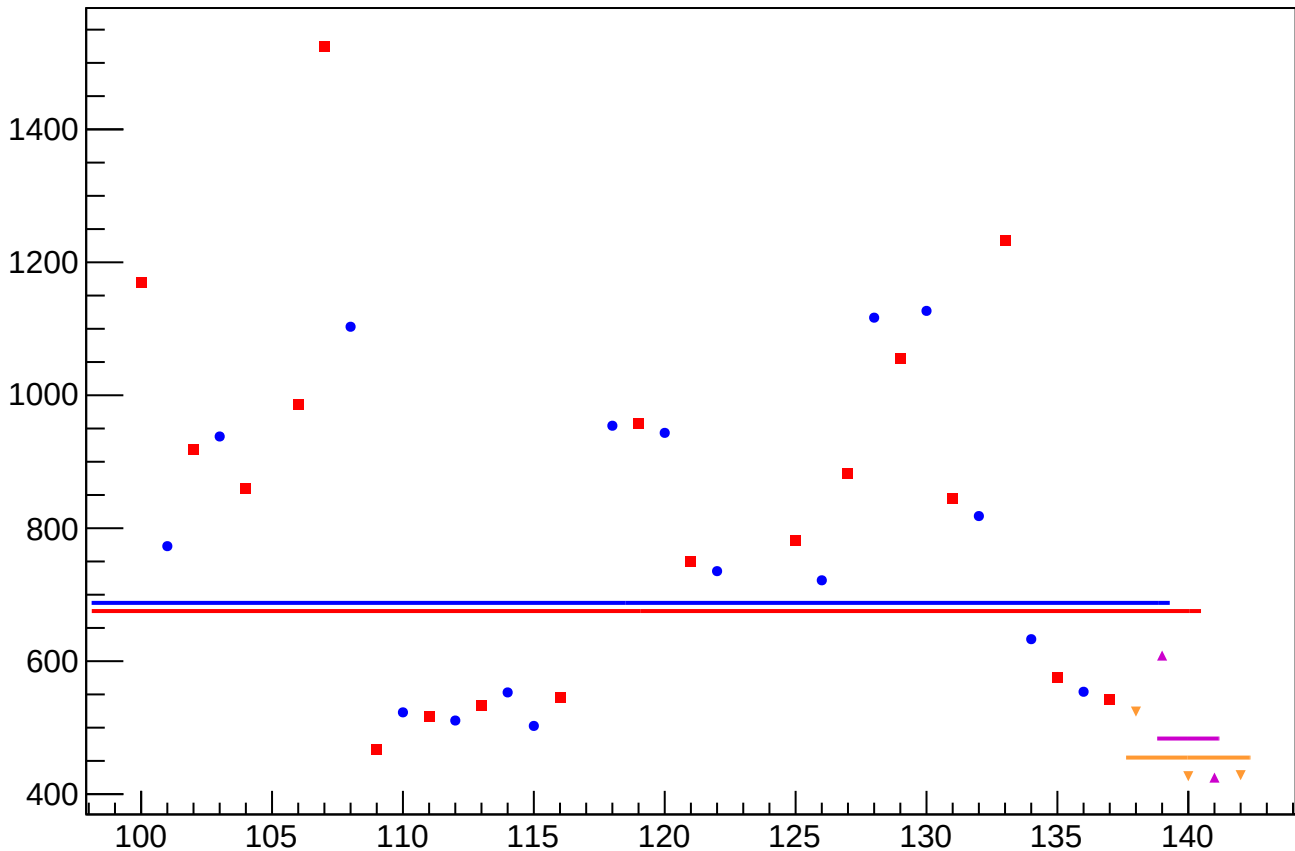
Left In: -282.587 ± 374.289 χ^2/NDF : 2.1/1

+ sign -216.093 ± 204.993 χ^2/NDF : 31.8/18

All: -329.406 ± 148.409 χ^2/NDF : 46.5/38

- sign -454.210 ± 215.137 χ^2/NDF : 14.1/19

asym_us_dd_eigen_cor_correction_rms vs Slug



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

Left Out: 454.993 ± 0.227 χ^2/NDF : 37078.0/2

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

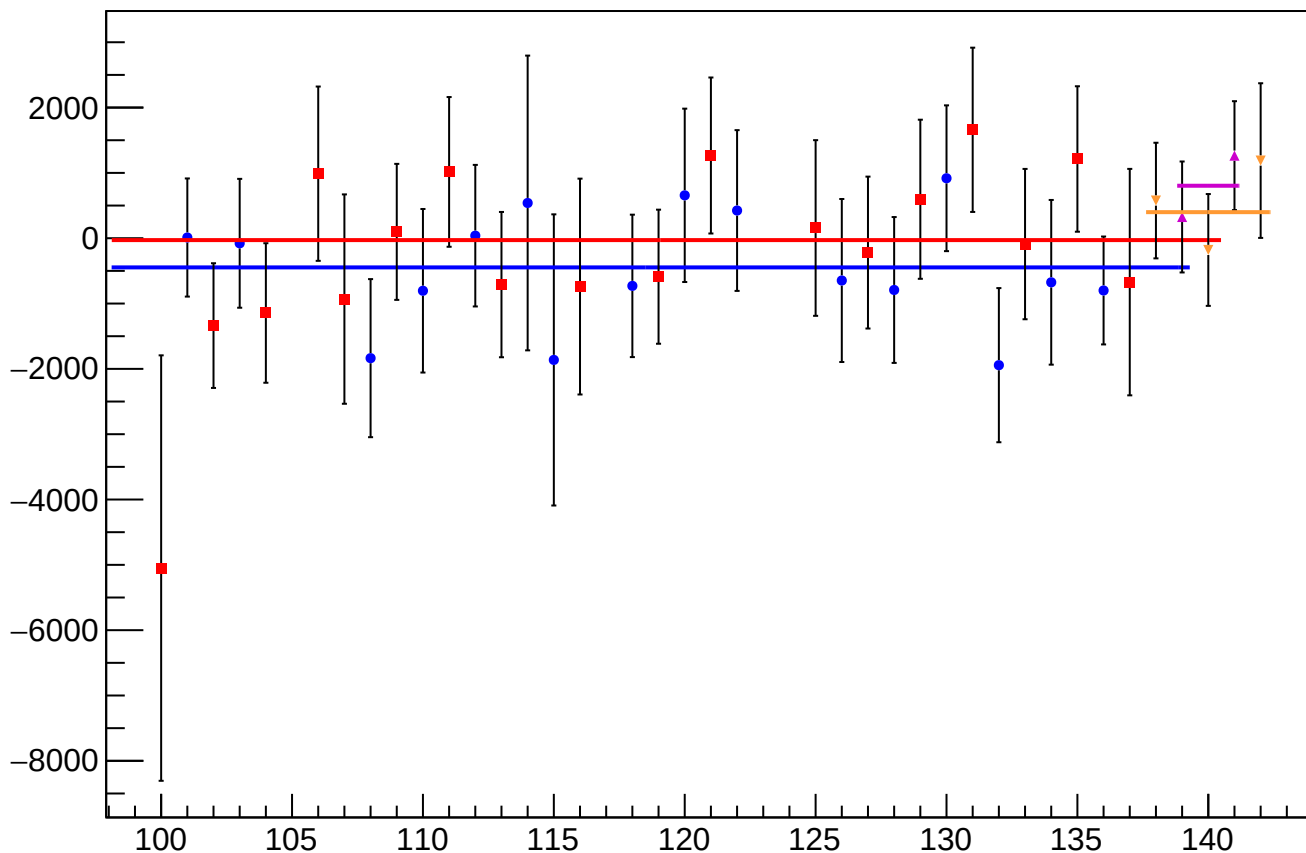
Left In: 483.631 ± 0.265 χ^2/NDF : 104671.5/1

+ sign 592.486 ± 0.145 χ^2/NDF : 1692158.1/18

All: 601.795 ± 0.105 χ^2/NDF : 3470098.6/38

- sign 612.049 ± 0.152 χ^2/NDF : 1769272.5/19

dit_asym_us_dd_mean vs Slug



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

Left Out: 399.084 ± 545.893 χ^2/NDF : 0.9/2

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

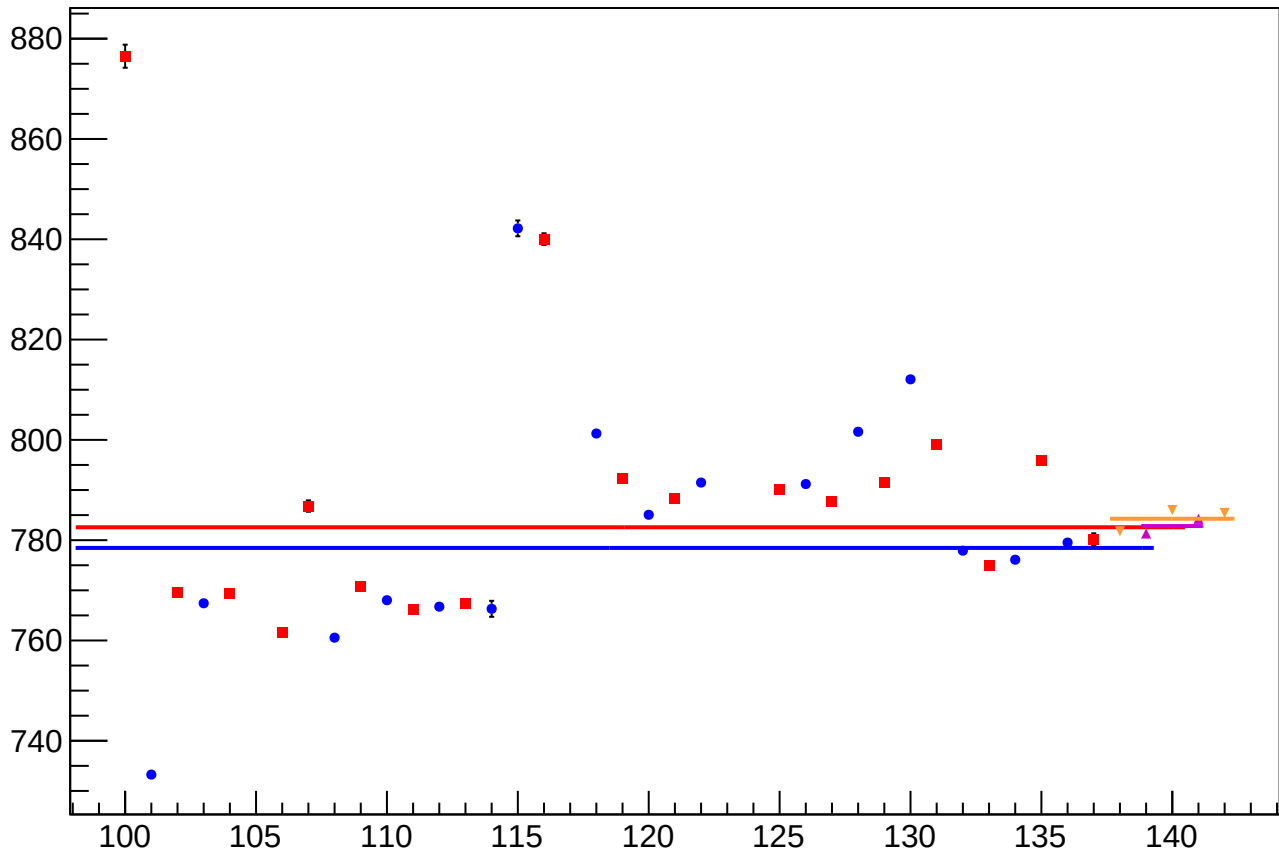
Left In: 803.349 ± 594.881 χ^2/NDF : 0.6/1

+ sign -261.273 ± 255.580 χ^2/NDF : 10.1/18

All: -68.830 ± 182.089 χ^2/NDF : 26.1/38

- sign 129.548 ± 259.491 χ^2/NDF : 14.8/19

dit_asym_us_dd_rms vs Slug



Right In: 778.456 $\pm$ 0.205 χ^2 /NDF: 11795.2/15

Left Out: 784.280 $\pm$ 0.386 χ^2 /NDF:26.1/2

Right Out: 782.575 $\pm$ 0.204 χ^2 /NDF: 7481.4/17

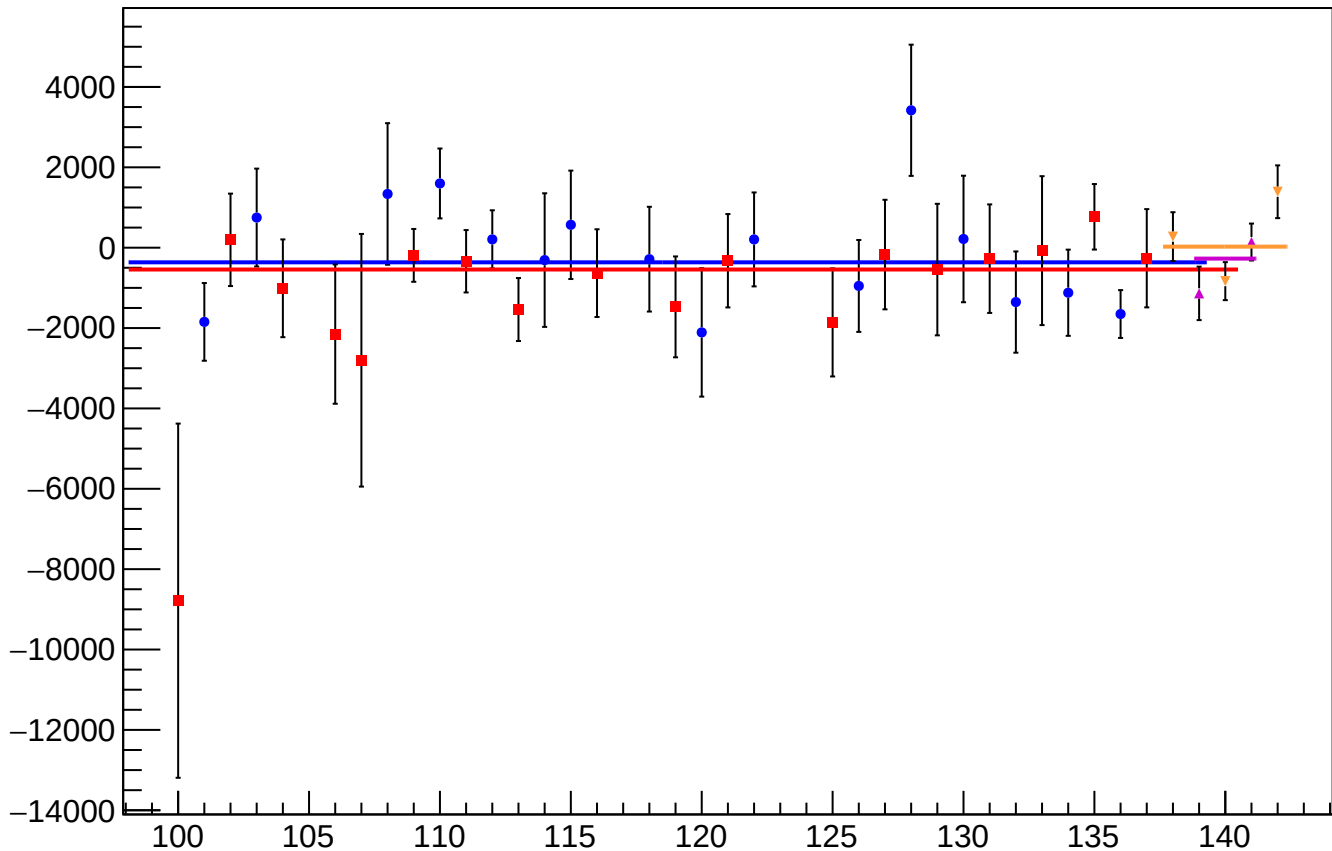
Left In: 782.821 $\pm$ 0.421 χ^2 /NDF:12.1/1

+ sign 779.732 $\pm$ 0.181 χ^2 /NDF: 11999.0/18

All: 781.155 $\pm$ 0.129 χ^2 /NDF: 19618.8/38

- sign 782.622 $\pm$ 0.183 χ^2 /NDF: 7493.8/19

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: 26.152 ± 324.489 χ^2/NDF : 7.8/2

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

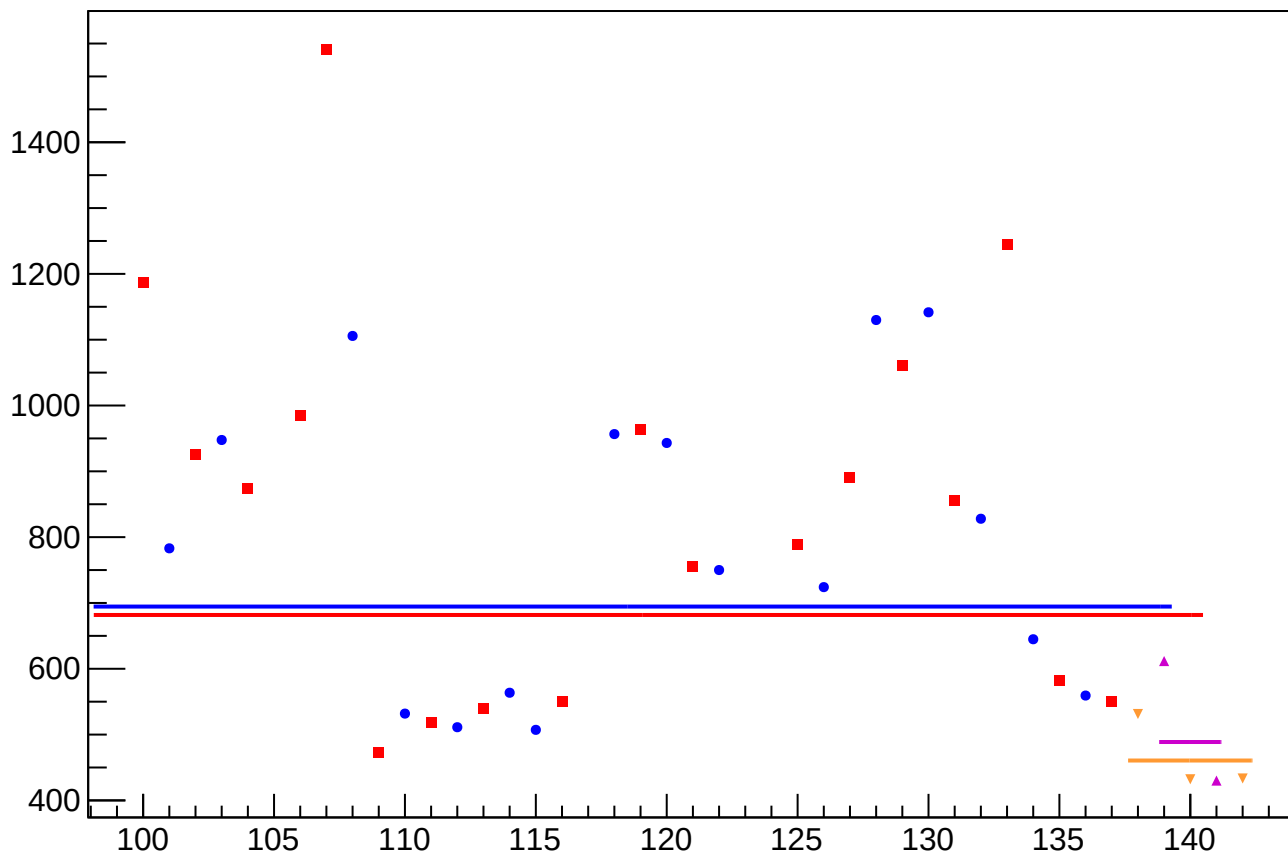
Left In: -271.447 ± 377.901 χ^2/NDF : 2.5/1

+ sign -204.851 ± 207.237 χ^2/NDF : 32.0/18

All: -323.283 ± 149.911 χ^2/NDF : 47.3/38

- sign -453.280 ± 217.120 χ^2/NDF : 14.6/19

asym us dd dit correction rms vs Slug



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

Left Out: 460.605+/-0.229 χ^2/NDF :37704.6/2

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

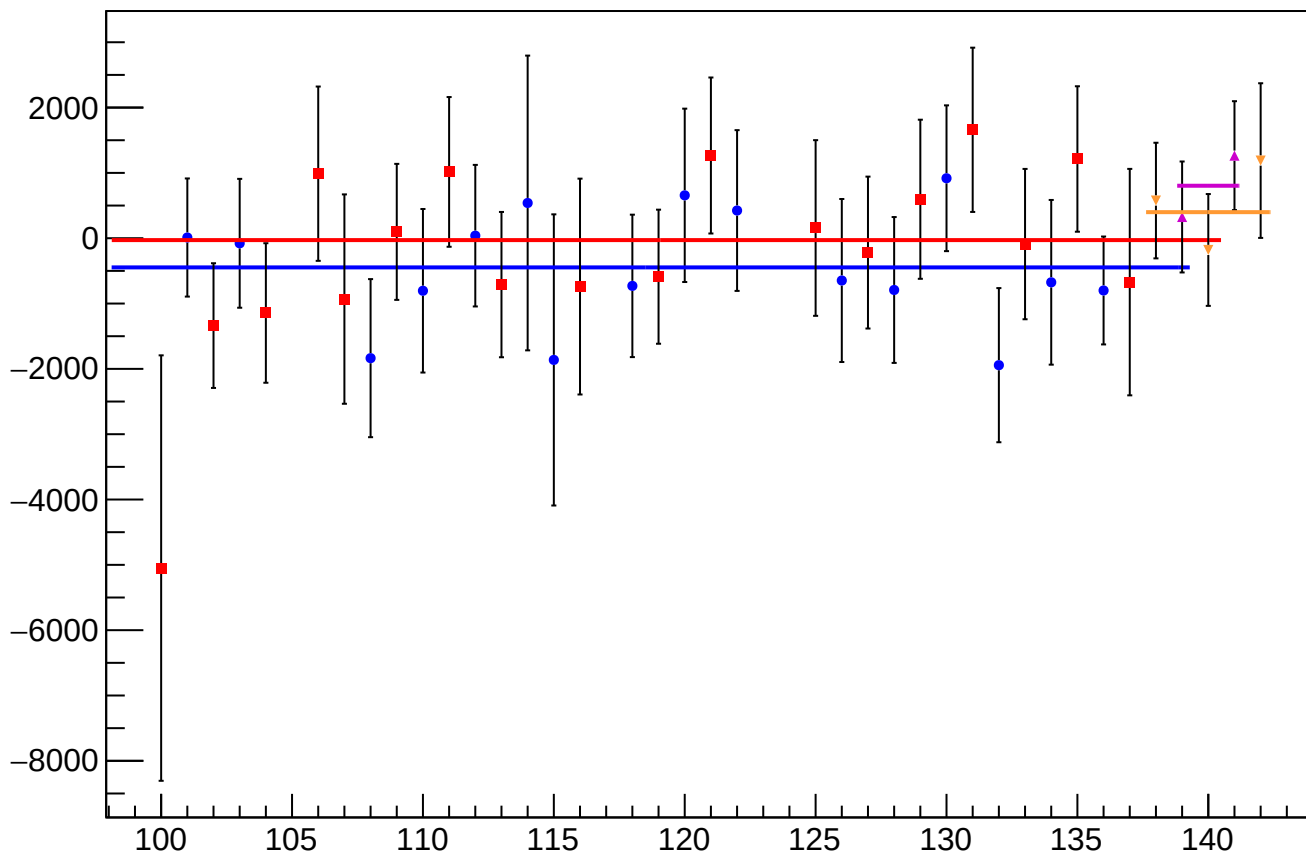
Left In: 488.732+/-0.267 χ^2/NDF :100980.9/1

+ sign 599.112+/-0.147 χ^2/NDF : 1683002.0/18

All: 608.131+/-0.106 χ^2/NDF : 3452754.2/38

- sign 618.031+/-0.154 χ^2/NDF : 1761805.8/19

eigen_dit_asym_us_dd_mean vs Slug



Right In: -446.659 ± 289.238 $\chi^2/\text{NDF}: 7.3/15$

Left Out: 399.084 ± 545.893 $\chi^2/\text{NDF}: 0.9/2$

Right Out: -28.786 ± 288.372 $\chi^2/\text{NDF}: 12.6/17$

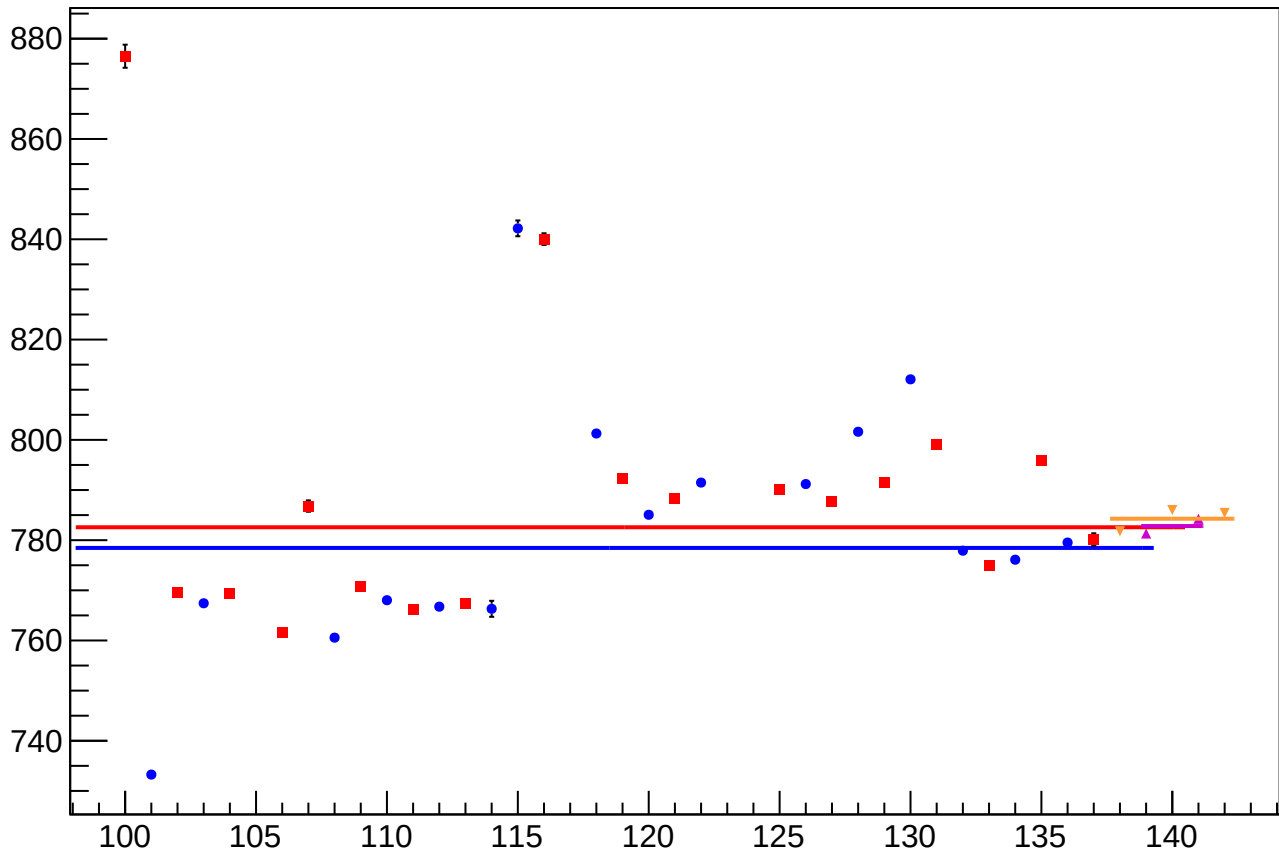
Left In: 803.344 ± 594.881 $\chi^2/\text{NDF}: 0.6/1$

+ sign -261.273 ± 255.580 $\chi^2/\text{NDF}: 10.1/18$

All: -68.830 ± 182.089 $\chi^2/\text{NDF}: 26.1/38$

- sign 129.549 ± 259.491 $\chi^2/\text{NDF}: 14.8/19$

eigen_dit_asym_us_dd_rms vs Slug



Right In: 778.456 ± 0.205 $\chi^2/\text{NDF}: 11795.2/15$

Left Out: 784.280 ± 0.386 $\chi^2/\text{NDF}: 26.1/2$

Right Out: 782.575 ± 0.204 $\chi^2/\text{NDF}: 7481.4/17$

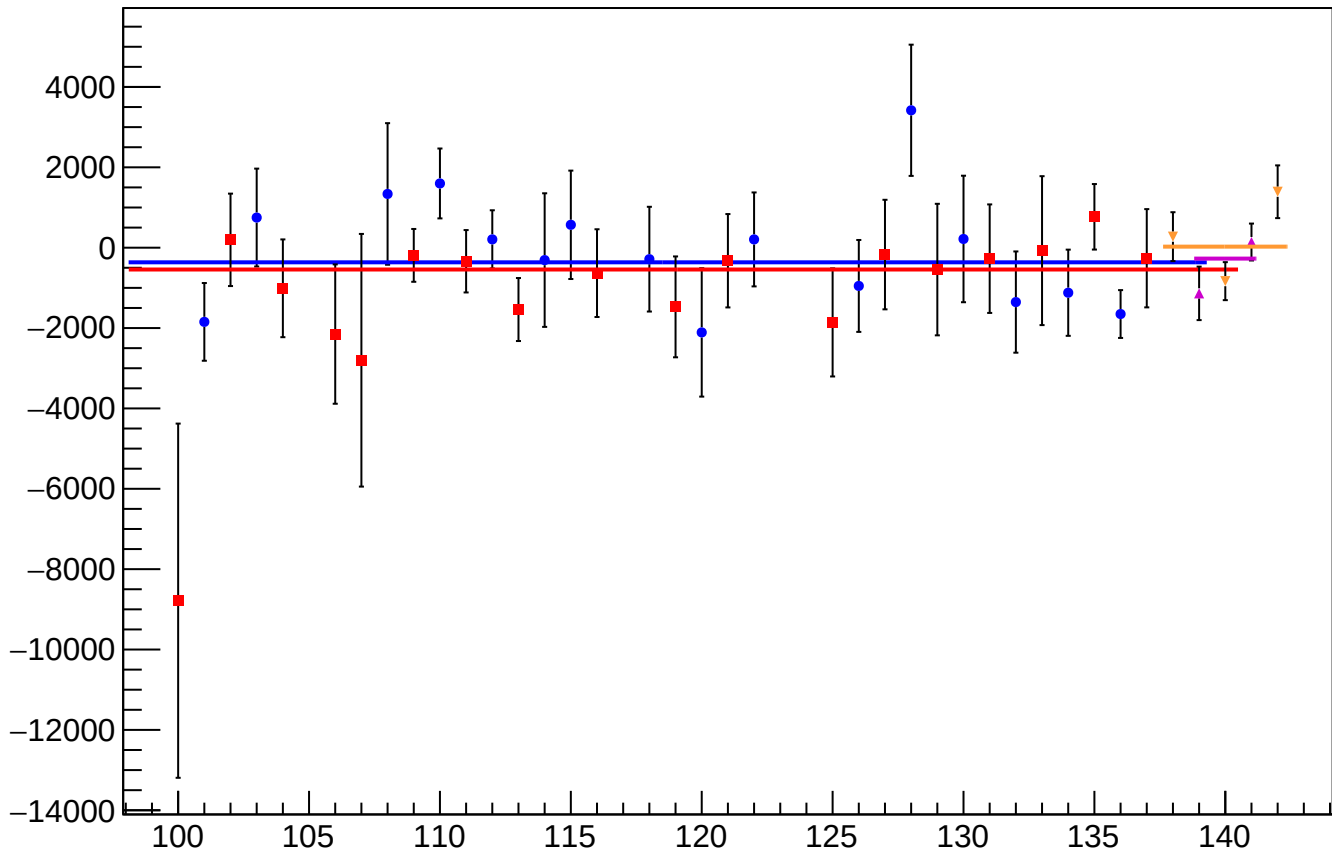
Left In: 782.821 ± 0.421 $\chi^2/\text{NDF}: 12.1/1$

+ sign 779.732 ± 0.181 $\chi^2/\text{NDF}: 11999.0/18$

All: 781.155 ± 0.129 $\chi^2/\text{NDF}: 19618.7/38$

- sign 782.622 ± 0.183 $\chi^2/\text{NDF}: 7493.8/19$

asym_us_dd_eigen_dit_correction_mean vs Slug



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

Left Out: 26.150 ± 324.489 χ^2/NDF : 7.8/2

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

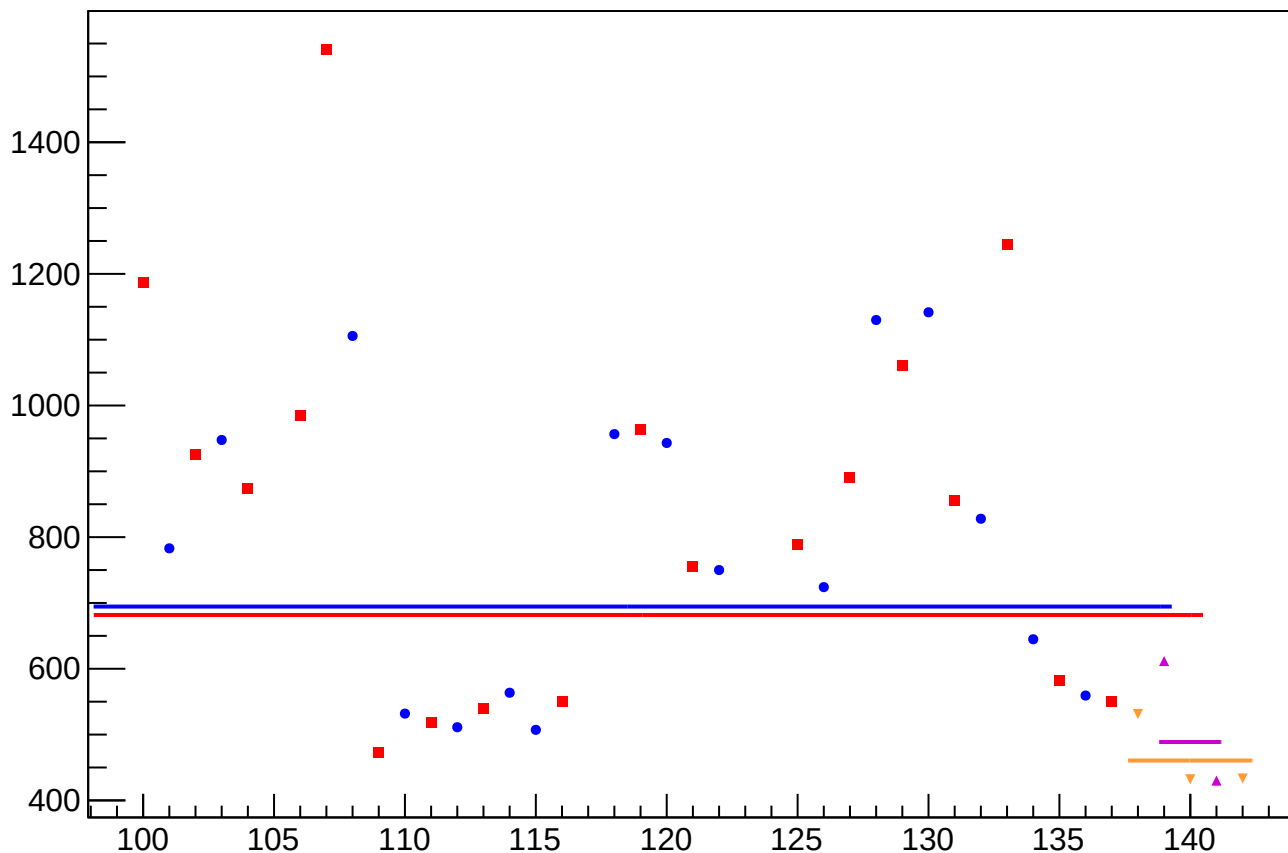
Left In: -271.443 ± 377.901 χ^2/NDF : 2.5/1

+ sign -204.850 ± 207.236 χ^2/NDF : 32.0/18

All: -323.281 ± 149.910 χ^2/NDF : 47.3/38

- sign -453.278 ± 217.119 χ^2/NDF : 14.6/19

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 460.604+/-0.229 χ^2/NDF : 37709.1/2

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

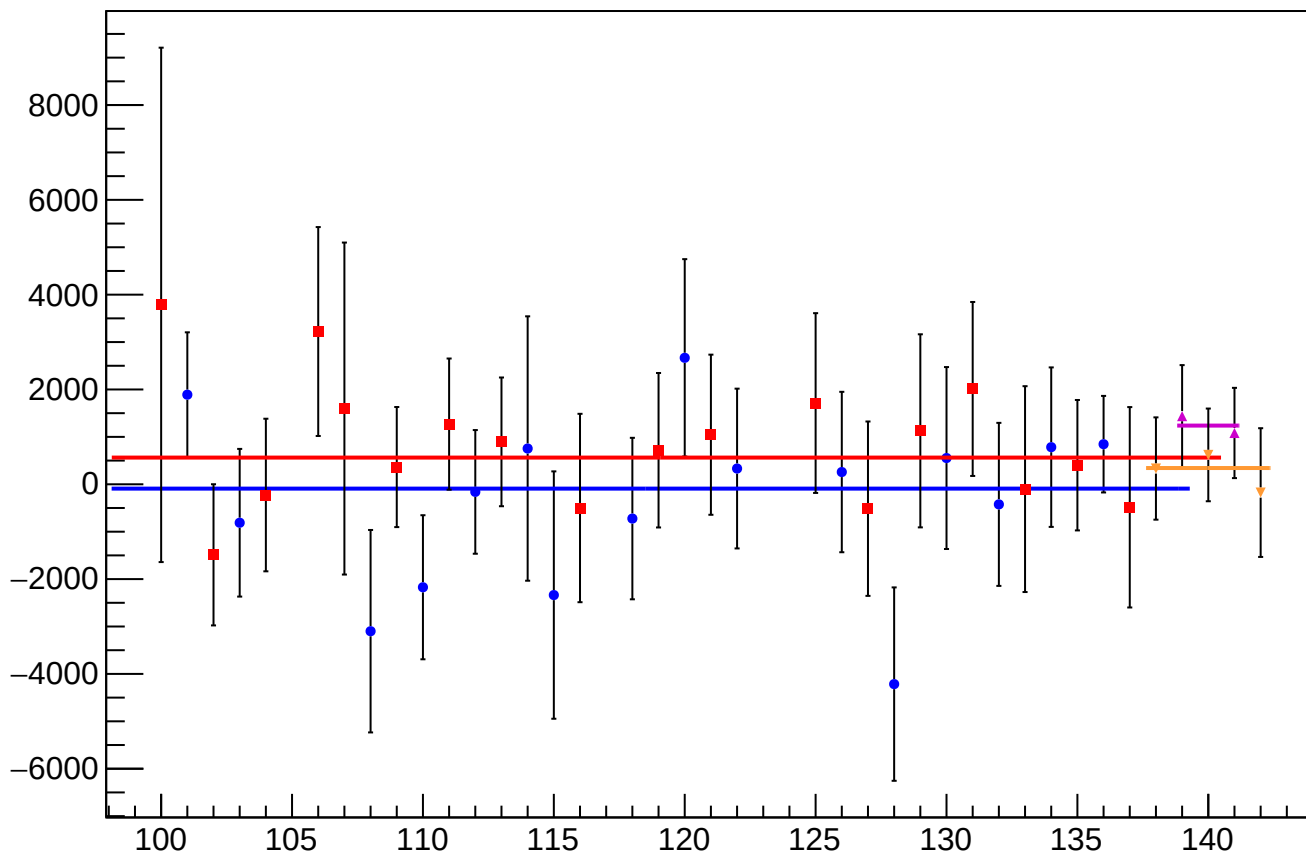
Left In: 488.732+/-0.267 χ^2/NDF : 100987.6/1

+ sign 599.110+/-0.147 χ^2/NDF : 1683006.3/18

All: 608.129+/-0.106 χ^2/NDF : 3452776.2/38

- sign 618.029+/-0.154 χ^2/NDF : 1761823.5/19

asym_us_dd_mean vs Slug



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

Left Out: 342.910 ± 639.209 χ^2/NDF : 0.2/2

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

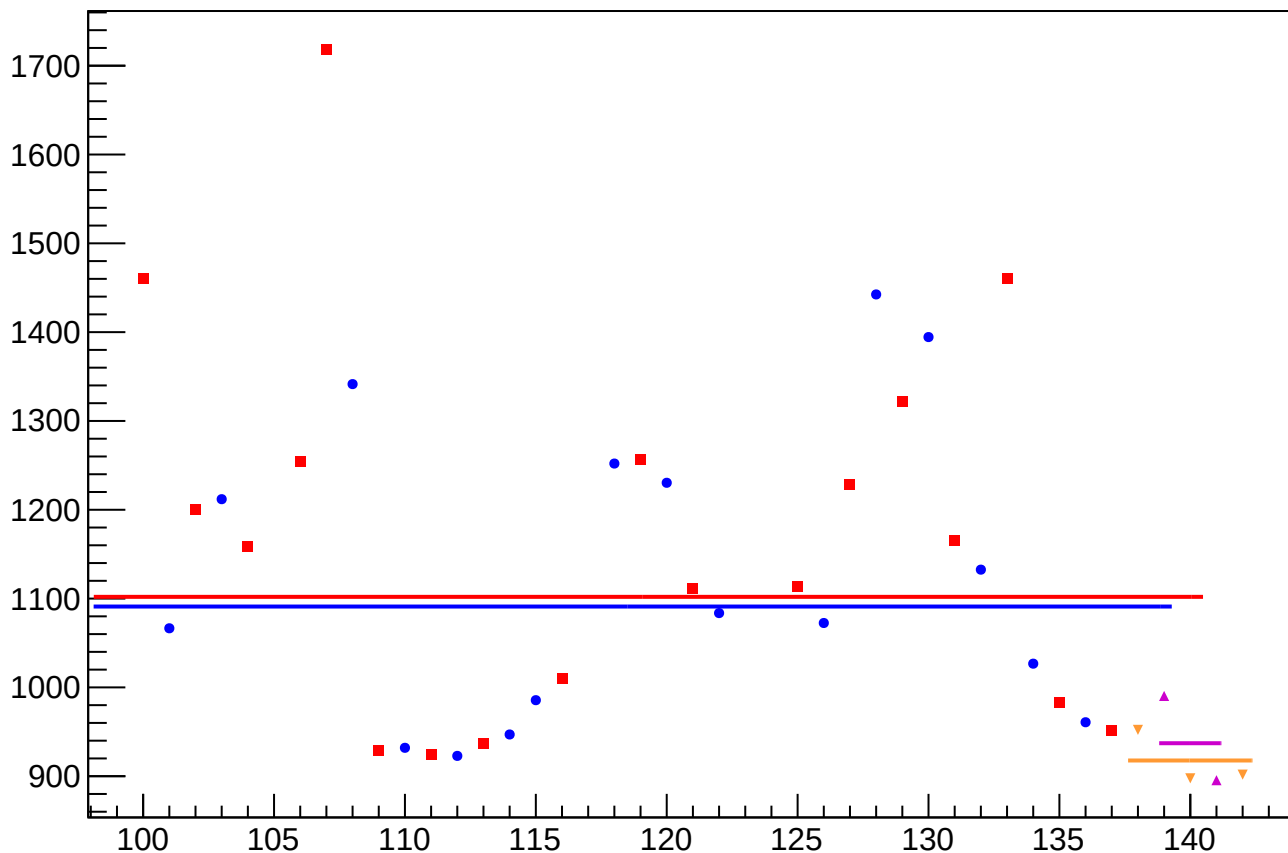
Left In: 1238.179 ± 713.162 χ^2/NDF : 0.1/1

+ sign 35.246 ± 345.083 χ^2/NDF : 15.1/18

All: 372.276 ± 247.937 χ^2/NDF : 24.3/38

- sign 731.903 ± 356.464 χ^2/NDF : 7.3/19

asym_us_dd_rms vs Slug



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

Left Out: 917.692+/-0.452 χ^2/NDF : 3160.2/2

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

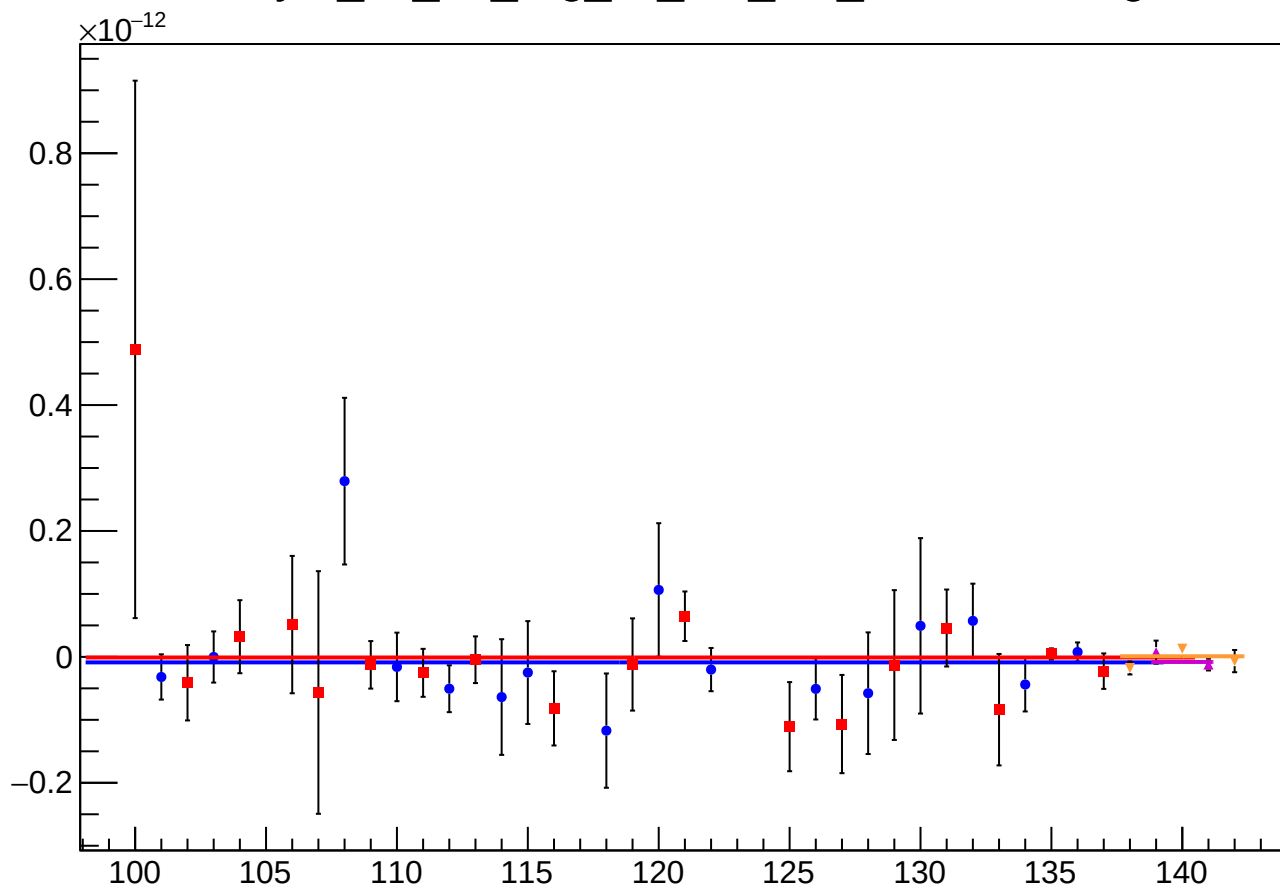
Left In: 937.140+/-0.504 χ^2/NDF : 8716.9/1

+ sign 1040.519+/-0.244 χ^2/NDF : 384687.1/18

All: 1050.319+/-0.175 χ^2/NDF : 804975.5/38

- sign 1060.777+/-0.252 χ^2/NDF : 416954.0/19

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 : 5.9/2

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

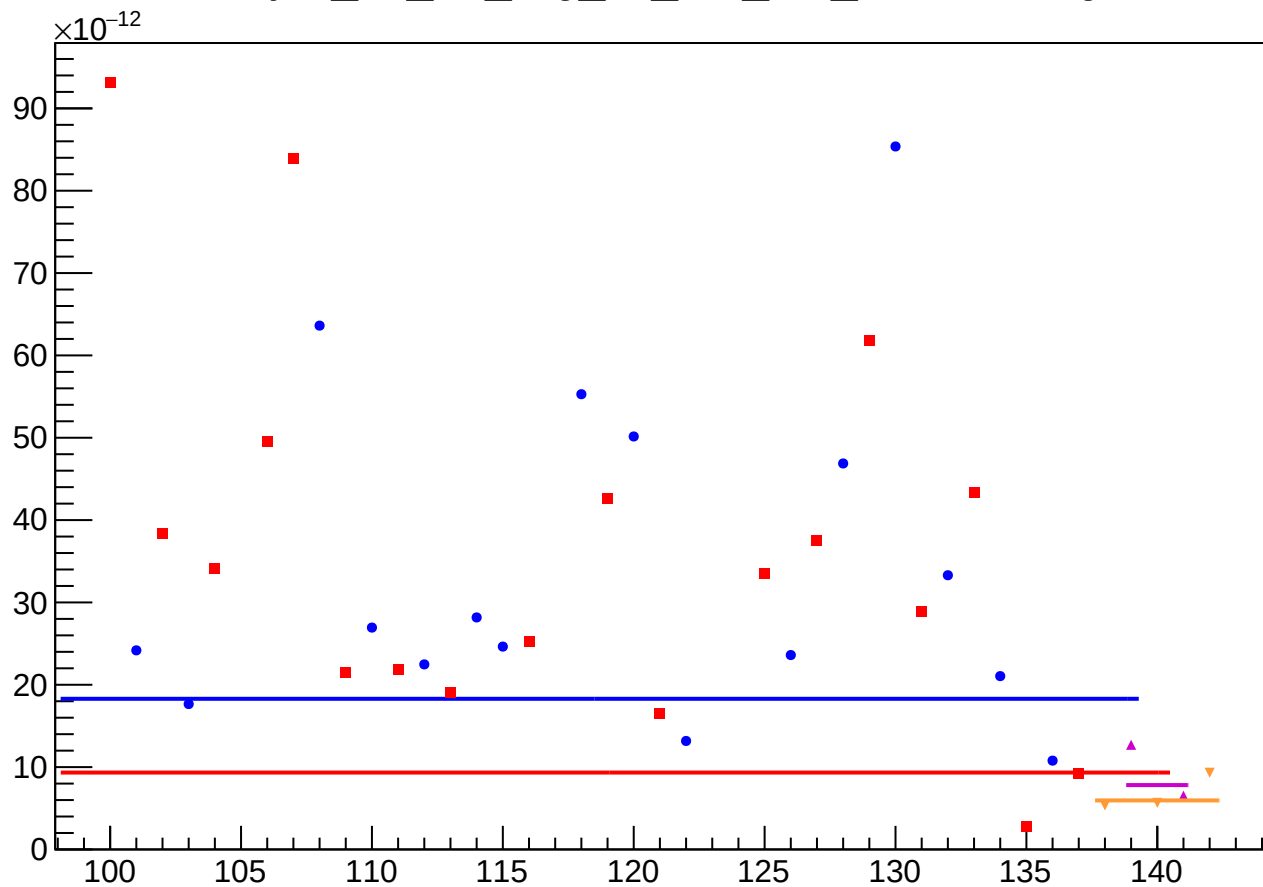
Left In: -0.000 ± 0.000 χ^2/NDF : 0.9/1

+ sign -0.000 ± 0.000 χ^2/NDF : 20.4/18

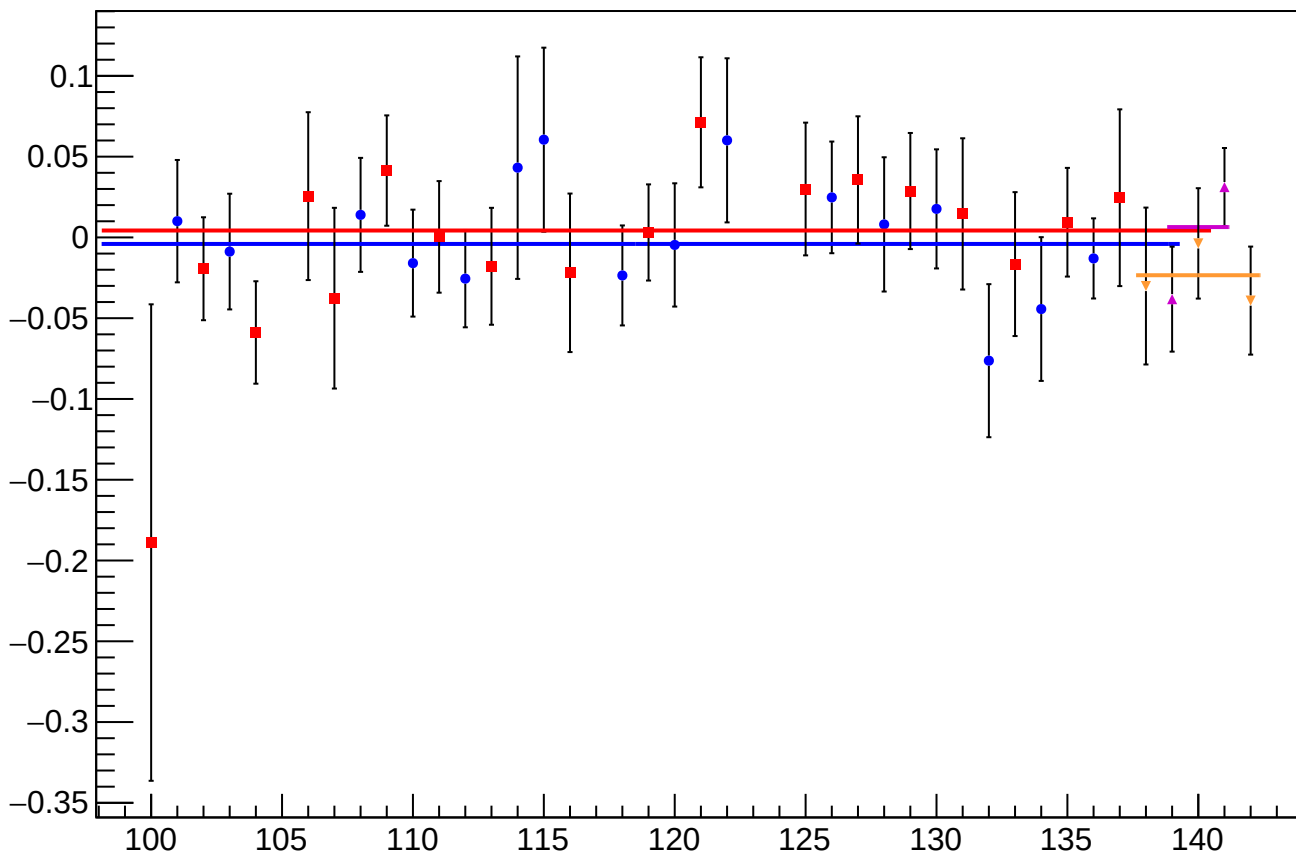
All: -0.000 ± 0.000 χ^2/NDF : 36.2/38

- sign -0.000 ± 0.000 χ^2/NDF : 15.6/19

asym_us_dd_reg_vs_cor_diff_rms vs Slug



asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.023 ± 0.021 χ^2/NDF : 0.6/2

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

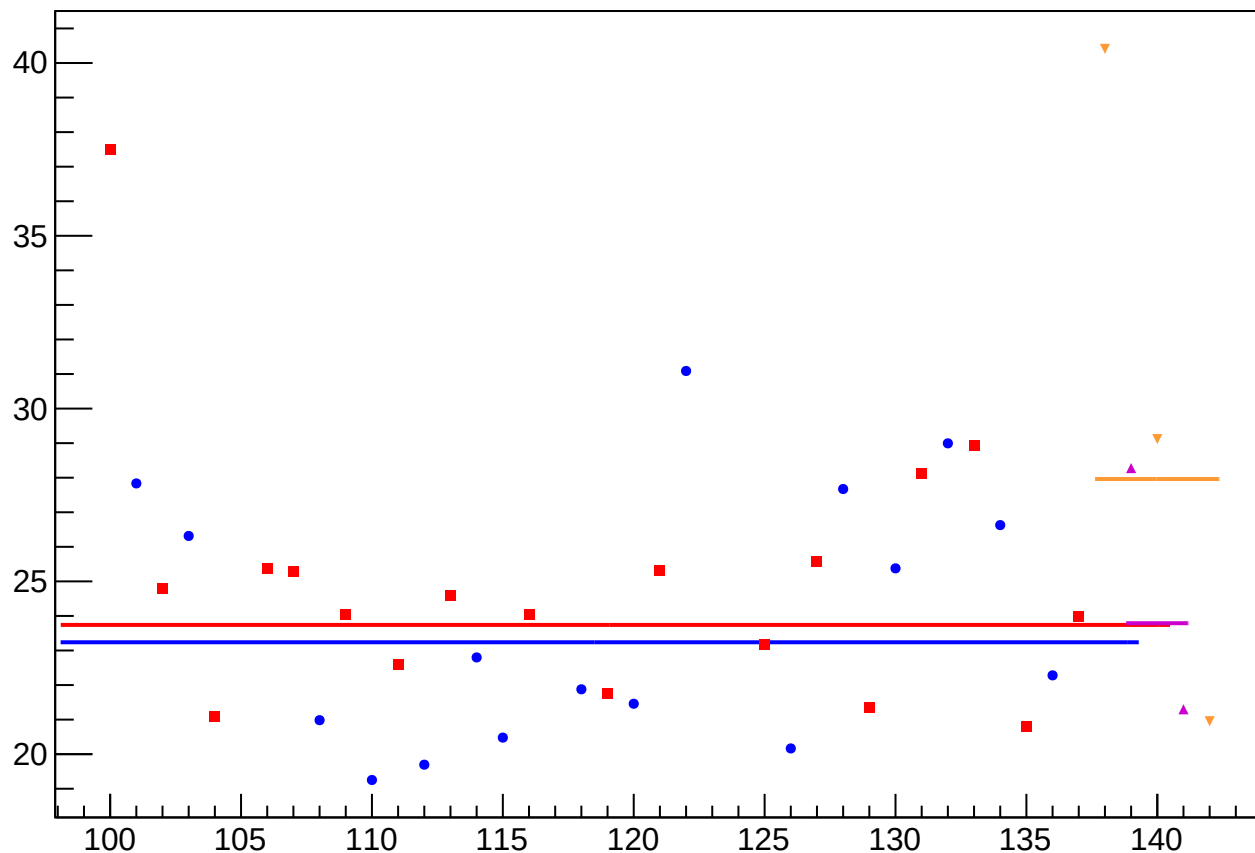
Left In: 0.006 ± 0.019 χ^2/NDF : 2.9/1

+ sign -0.007 ± 0.009 χ^2/NDF : 10.5/18

All: -0.001 ± 0.006 χ^2/NDF : 27.9/38

- sign 0.005 ± 0.008 χ^2/NDF : 16.4/19

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 27.962 $\pm$ 0.015 χ^2 /NDF: 221582.8/2

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

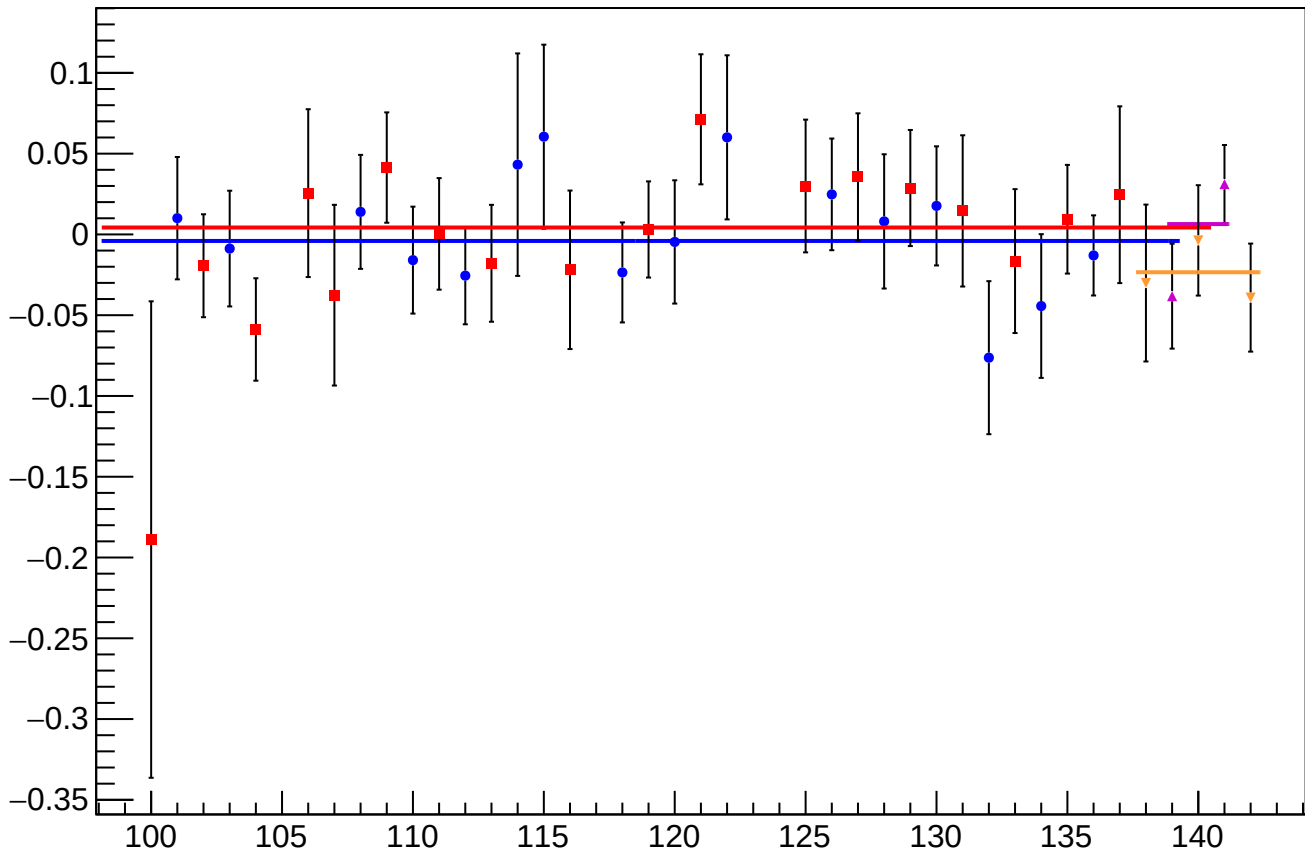
Left In: 23.789 $\pm$ 0.014 χ^2 /NDF: 59390.4/1

+ sign 23.981 $\pm$ 0.006 χ^2 /NDF: 562633.6/18

All: 23.864 $\pm$ 0.004 χ^2 /NDF: 748966.3/38

- sign 23.749 $\pm$ 0.006 χ^2 /NDF: 185584.3/19

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: -0.023 ± 0.021 χ^2/NDF : 0.6/2

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

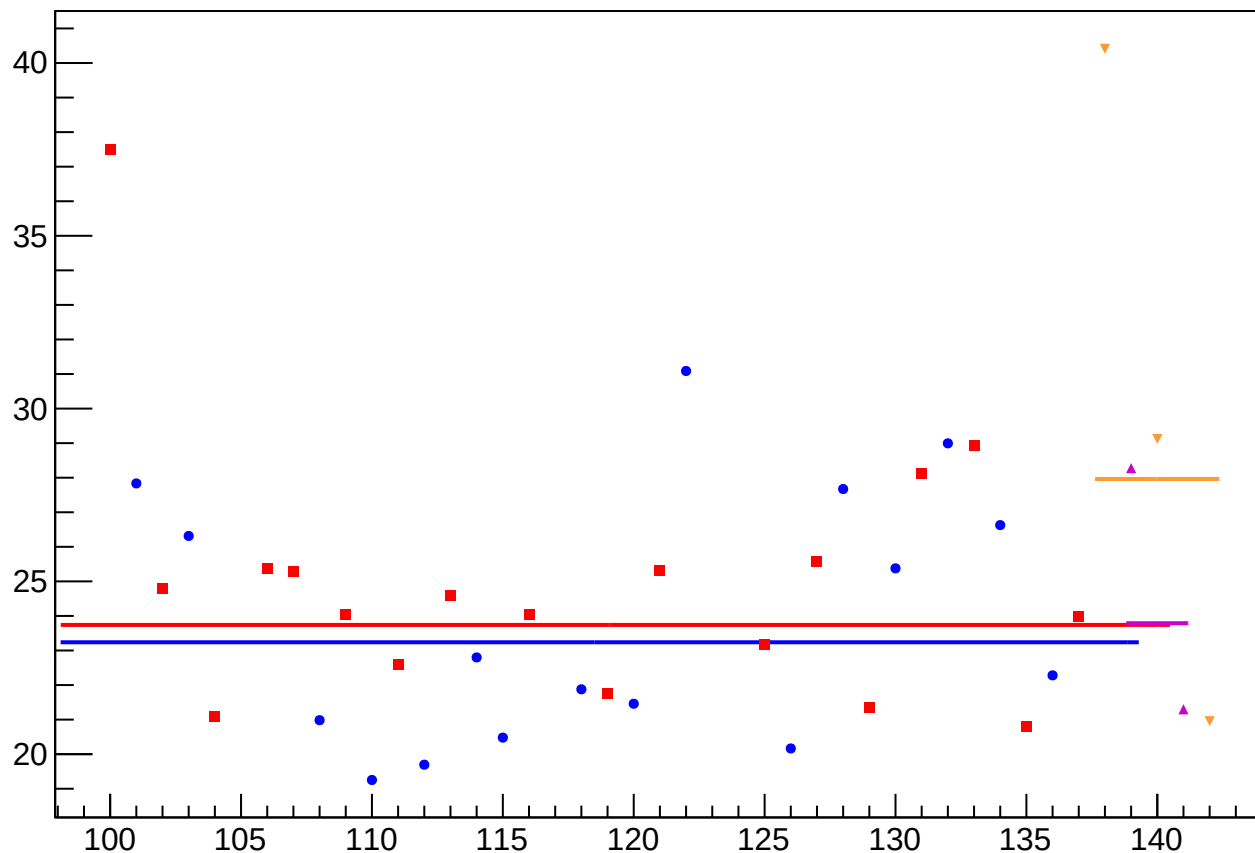
Left In: 0.006 ± 0.019 χ^2/NDF : 2.9/1

+ sign -0.007 ± 0.009 χ^2/NDF : 10.5/18

All: -0.001 ± 0.006 χ^2/NDF : 27.9/38

- sign 0.005 ± 0.008 χ^2/NDF : 16.4/19

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: 27.962 $\pm$ 0.015 χ^2 /NDF: 221582.8/2

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

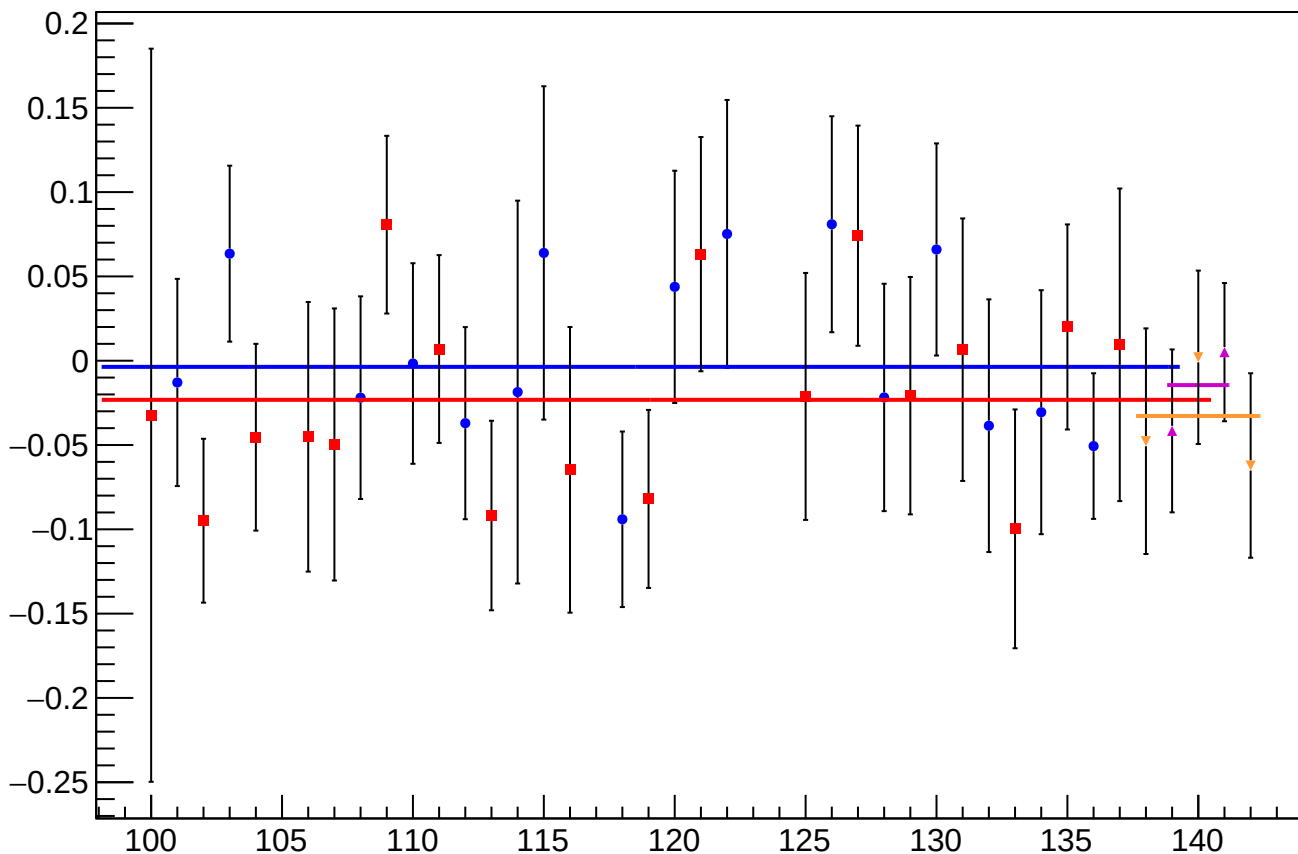
Left In: 23.789 $\pm$ 0.014 χ^2 /NDF: 59390.4/1

+ sign 23.981 $\pm$ 0.006 χ^2 /NDF: 562633.6/18

All: 23.864 $\pm$ 0.004 χ^2 /NDF: 748966.3/38

- sign 23.749 $\pm$ 0.006 χ^2 /NDF: 185584.3/19

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: -0.033 ± 0.033 χ^2/NDF : 0.8/2

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

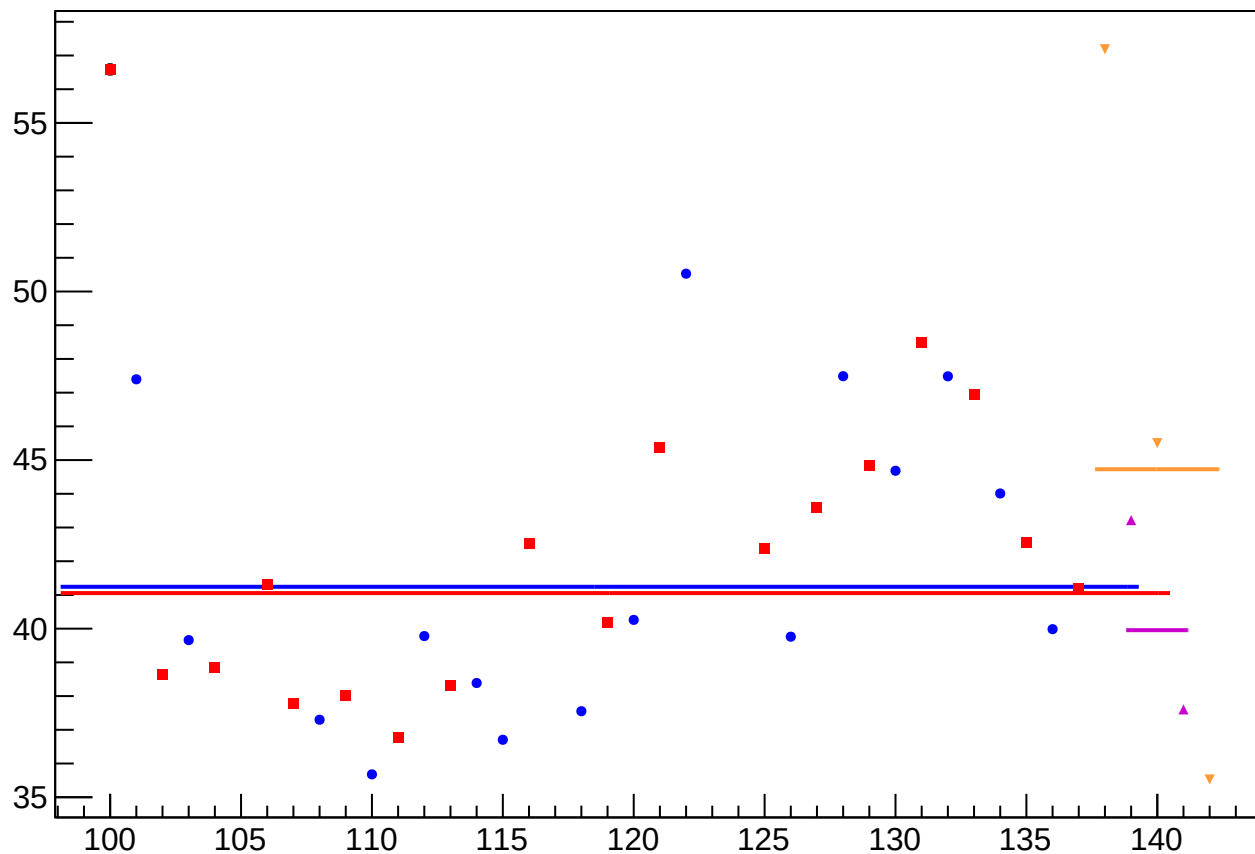
Left In: -0.014 ± 0.031 χ^2/NDF : 0.5/1

+ sign -0.009 ± 0.014 χ^2/NDF : 13.1/18

All: -0.015 ± 0.010 χ^2/NDF : 29.5/38

- sign -0.021 ± 0.014 χ^2/NDF : 16.0/19

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.242 $\pm$ 0.011 χ^2/NDF : 135279.1/15

Left Out: 44.728 $\pm$ 0.023 χ^2/NDF : 126376.6/2

Right Out: 41.055 $\pm$ 0.011 χ^2/NDF : 96560.6/17

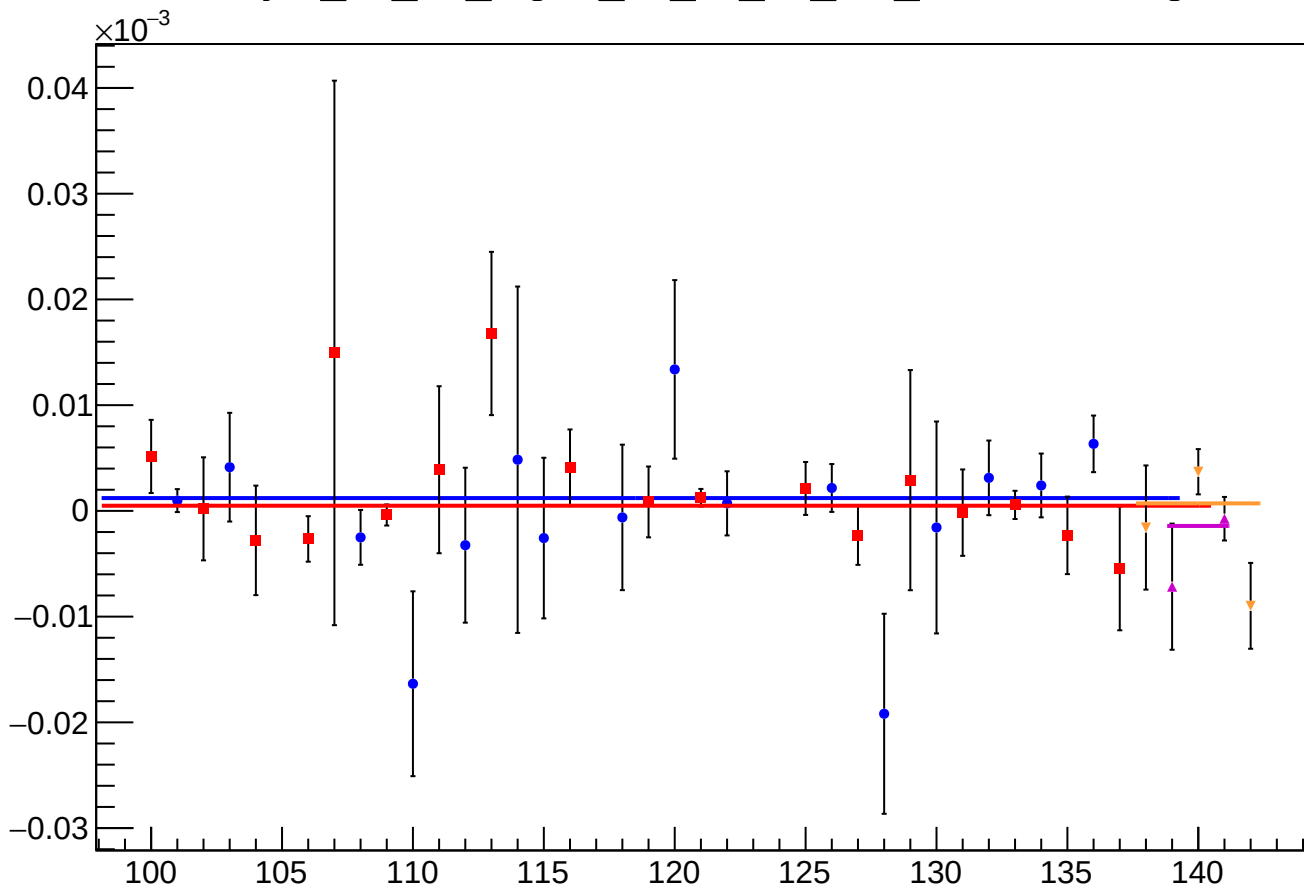
Left In: 39.955 $\pm$ 0.022 χ^2/NDF : 15707.6/1

+ sign 41.897 $\pm$ 0.010 χ^2/NDF : 280130.2/18

All: 41.357 $\pm$ 0.007 χ^2/NDF : 400090.6/38

- sign 40.837 $\pm$ 0.010 χ^2/NDF : 114256.3/19

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: 7.8/2

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

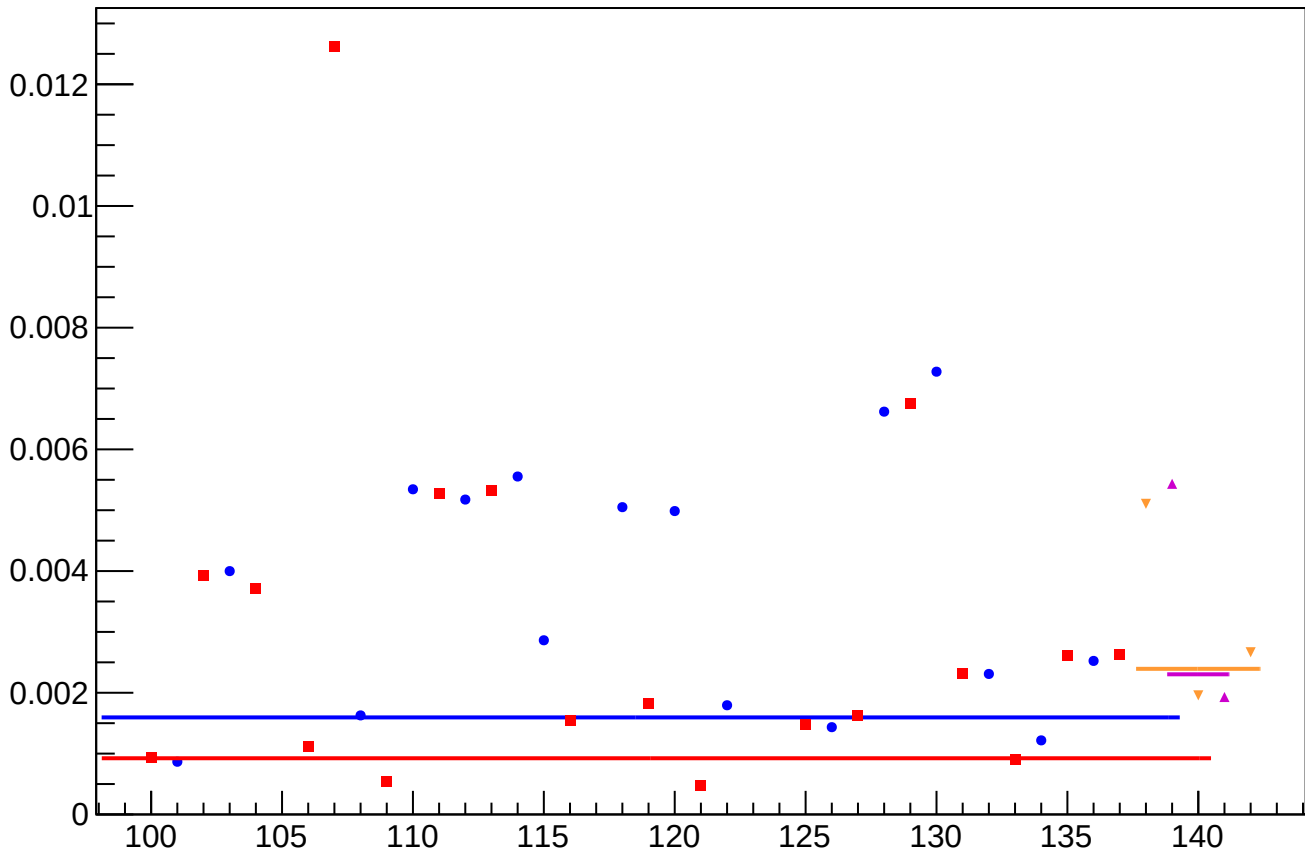
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.9/19

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 :518684.0/2

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

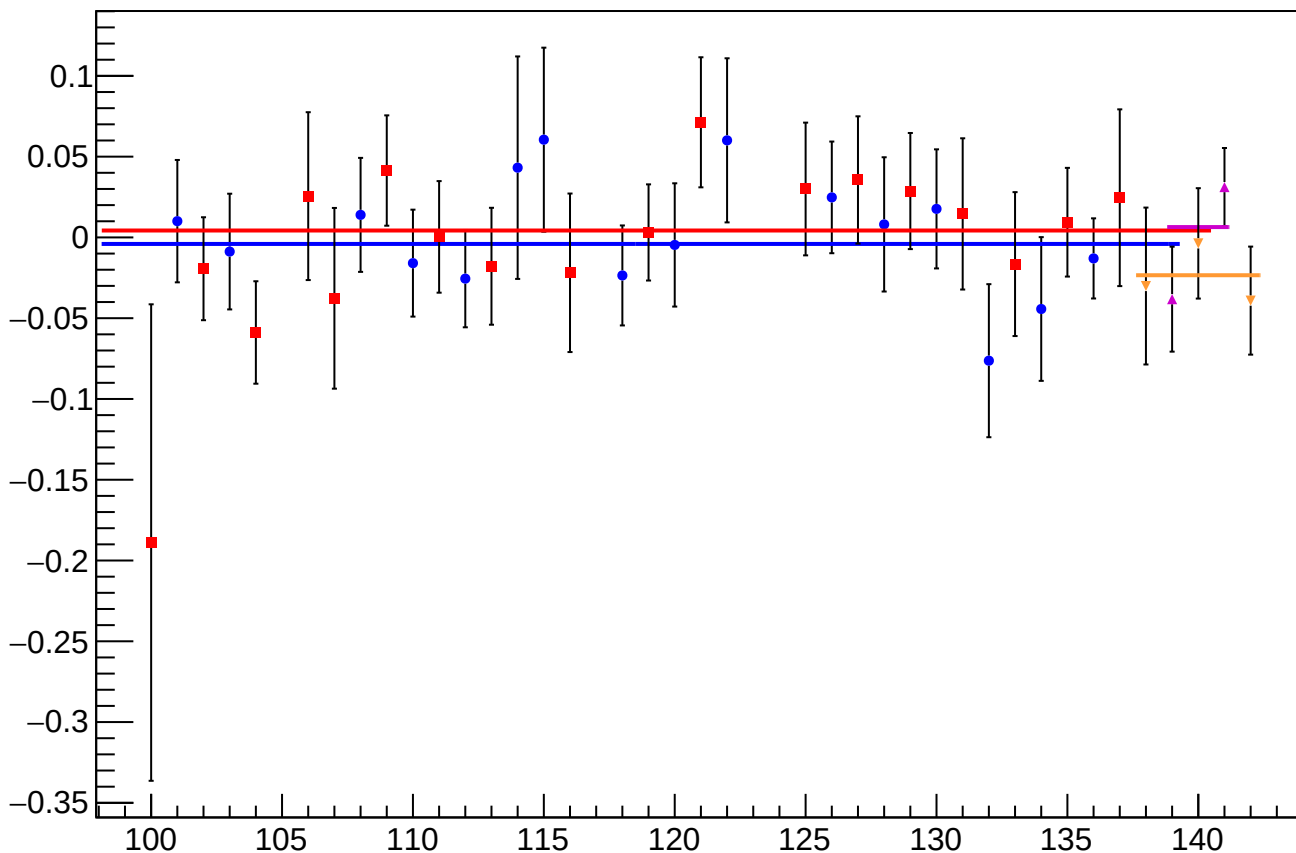
Left In: 0.002+/-0.000 χ^2/NDF :616176.0/1

+ sign 0.002+/-0.000 χ^2/NDF : 5615364.0/18

All: 0.001+/-0.000 χ^2/NDF : 14351235.9/38

- sign 0.001+/-0.000 χ^2/NDF : 7339892.7/19

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: -0.023 ± 0.021 χ^2/NDF : 0.6/2

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

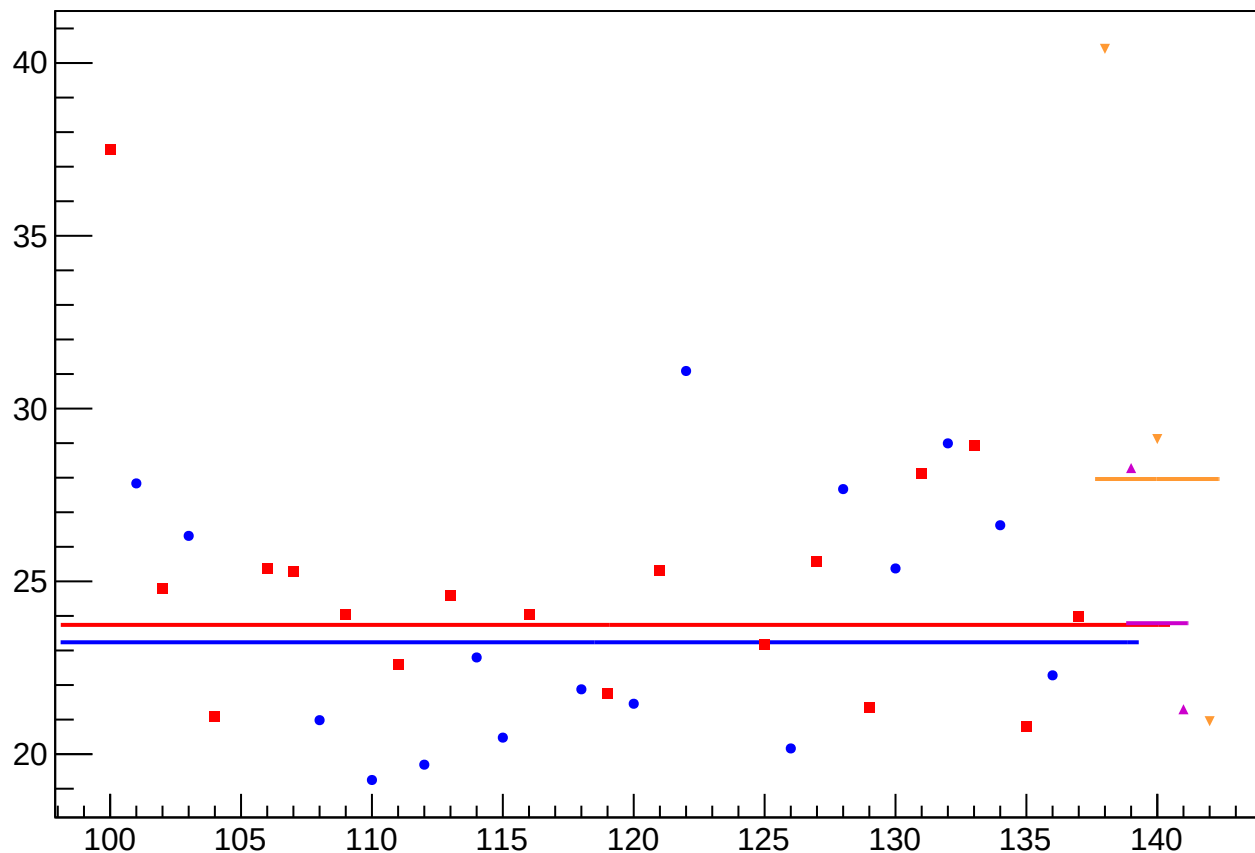
Left In: 0.006 ± 0.019 χ^2/NDF : 2.9/1

+ sign -0.007 ± 0.009 χ^2/NDF : 10.5/18

All: -0.001 ± 0.006 χ^2/NDF : 27.9/38

- sign 0.005 ± 0.008 χ^2/NDF : 16.4/19

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: 27.962 $\pm$ 0.015 χ^2 /NDF: 221576.1/2

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

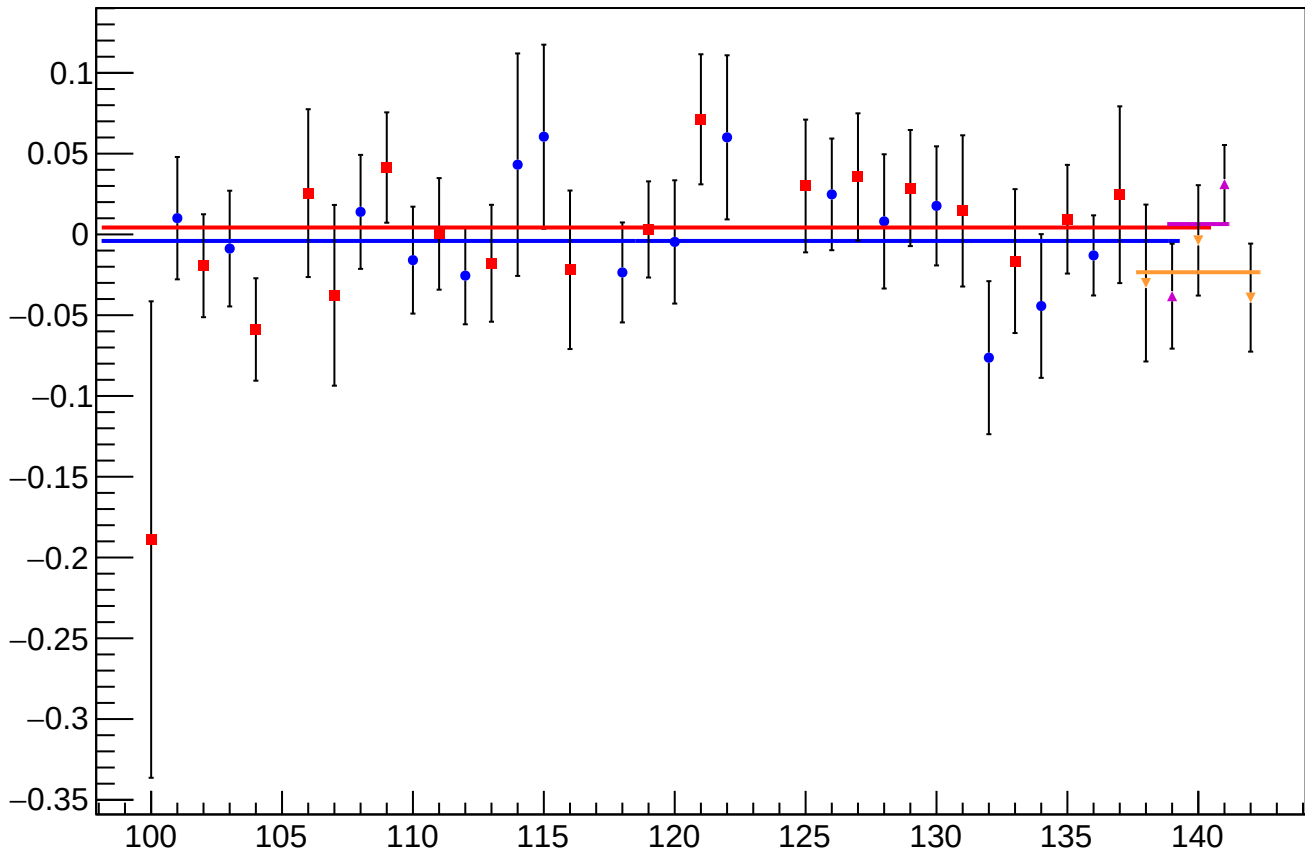
Left In: 23.789 $\pm$ 0.014 χ^2 /NDF: 59411.9/1

+ sign 23.980 $\pm$ 0.006 χ^2 /NDF: 562645.6/18

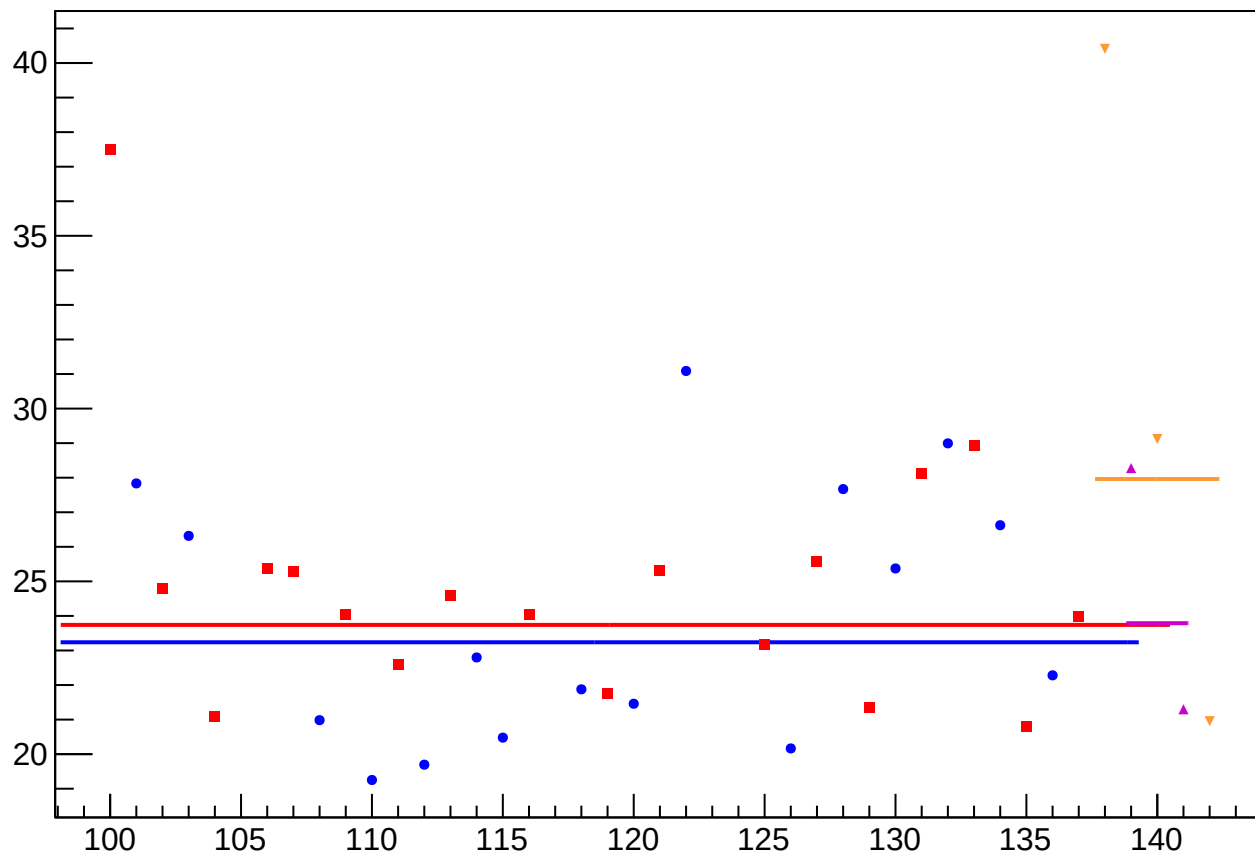
All: 23.863 $\pm$ 0.004 χ^2 /NDF: 748943.8/38

- sign 23.750 $\pm$ 0.006 χ^2 /NDF: 185555.0/19

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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: 27.962 $\pm$ 0.015 χ^2 /NDF: 221576.1/2

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

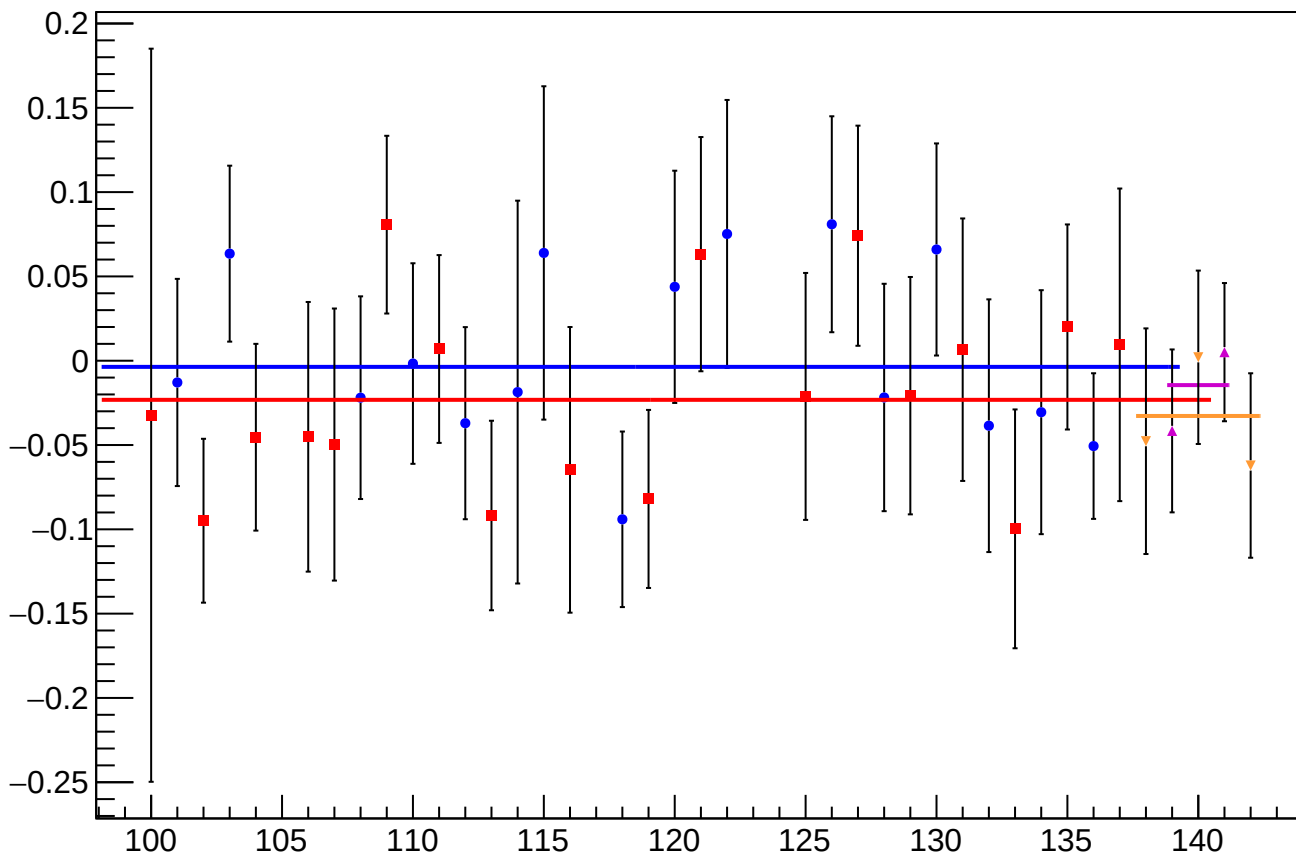
Left In: 23.789 $\pm$ 0.014 χ^2 /NDF: 59411.9/1

+ sign 23.980 $\pm$ 0.006 χ^2 /NDF: 562645.6/18

All: 23.863 $\pm$ 0.004 χ^2 /NDF: 748943.8/38

- sign 23.750 $\pm$ 0.006 χ^2 /NDF: 185555.0/19

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: -0.033 ± 0.033 χ^2/NDF : 0.8/2

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

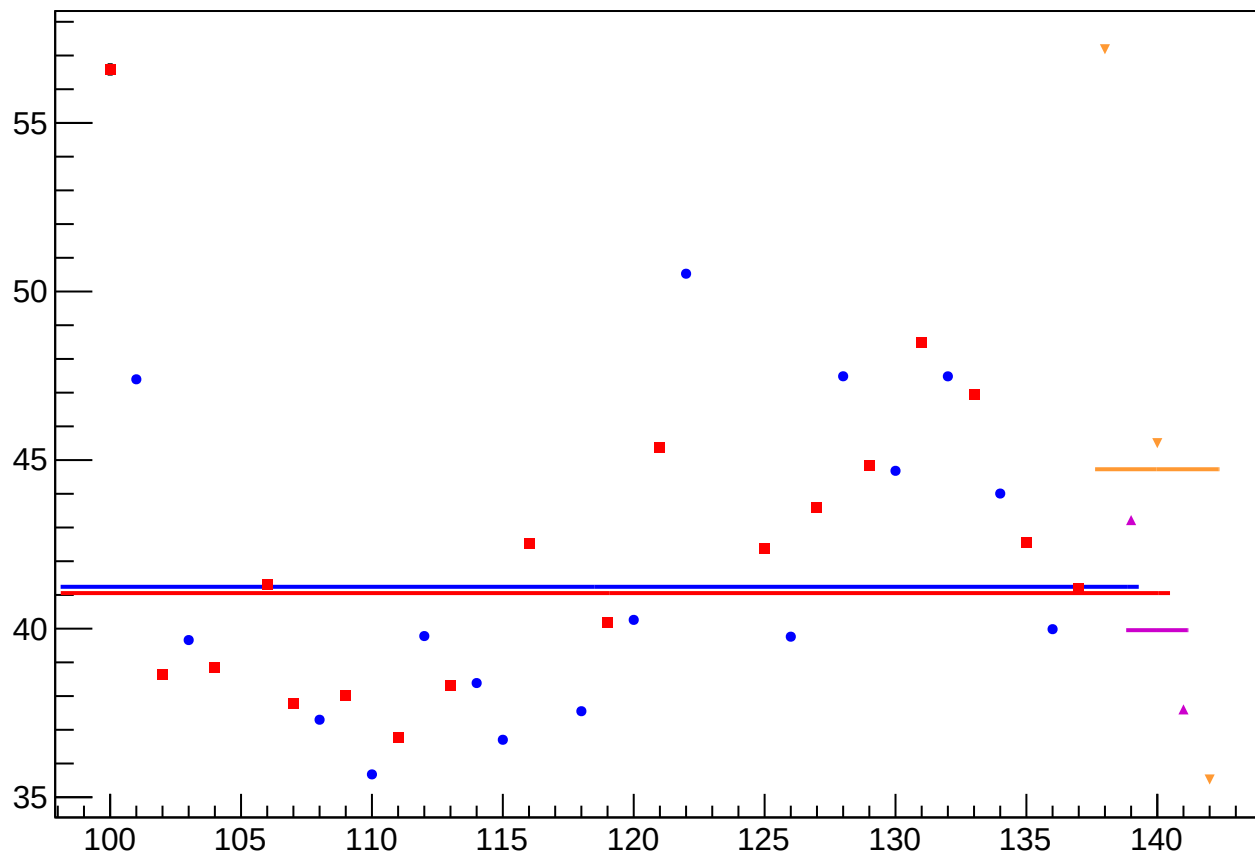
Left In: -0.014 ± 0.031 χ^2/NDF : 0.5/1

+ sign -0.009 ± 0.014 χ^2/NDF : 13.1/18

All: -0.015 ± 0.010 χ^2/NDF : 29.5/38

- sign -0.021 ± 0.014 χ^2/NDF : 16.0/19

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: 44.728 $\pm$ 0.023 χ^2 /NDF:126382.2/2

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

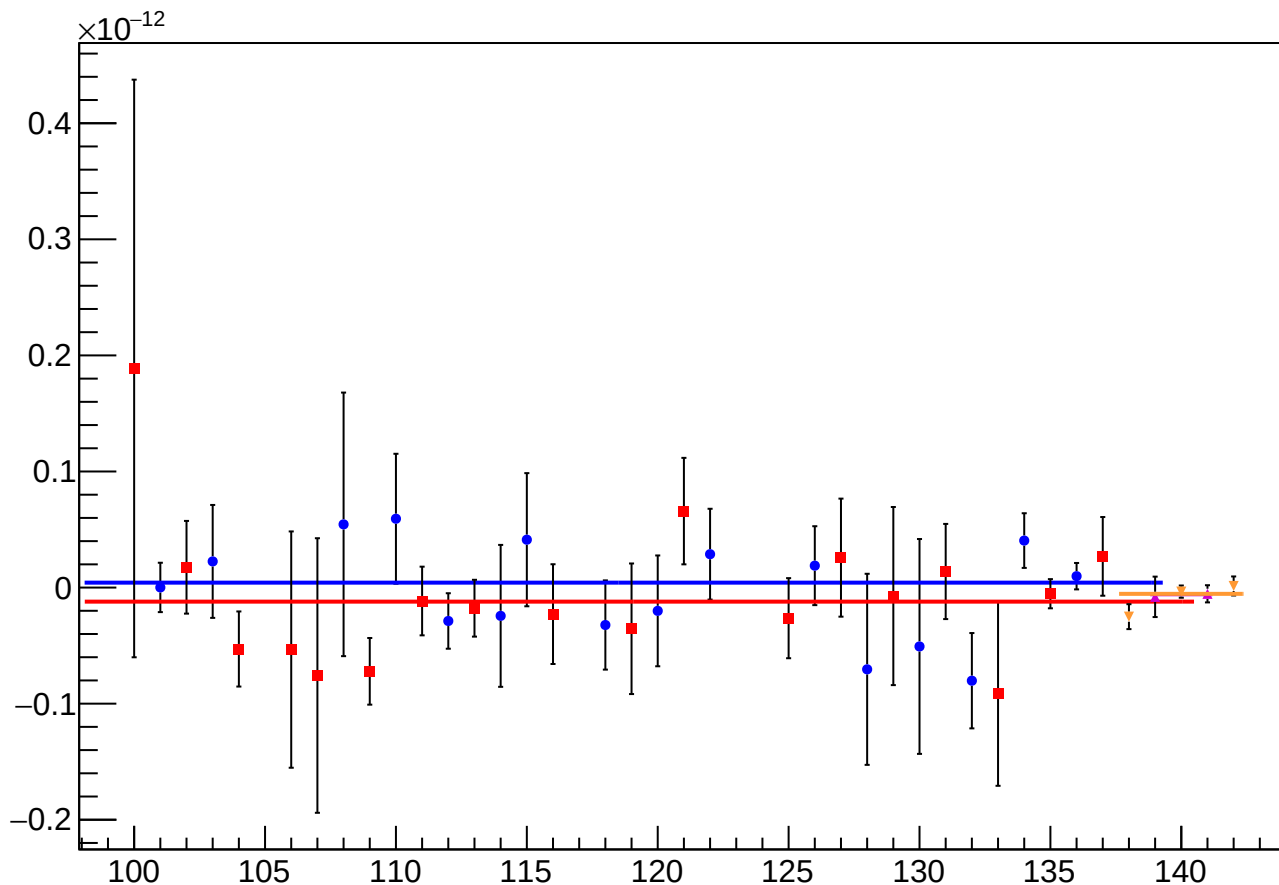
Left In: 39.955 $\pm$ 0.022 χ^2 /NDF:15713.2/1

+ sign 41.897 $\pm$ 0.010 χ^2 /NDF: 280114.9/18

All: 41.357 $\pm$ 0.007 χ^2 /NDF: 400066.1/38

- sign 40.837 $\pm$ 0.010 χ^2 /NDF: 114249.8/19

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 4.2/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/17

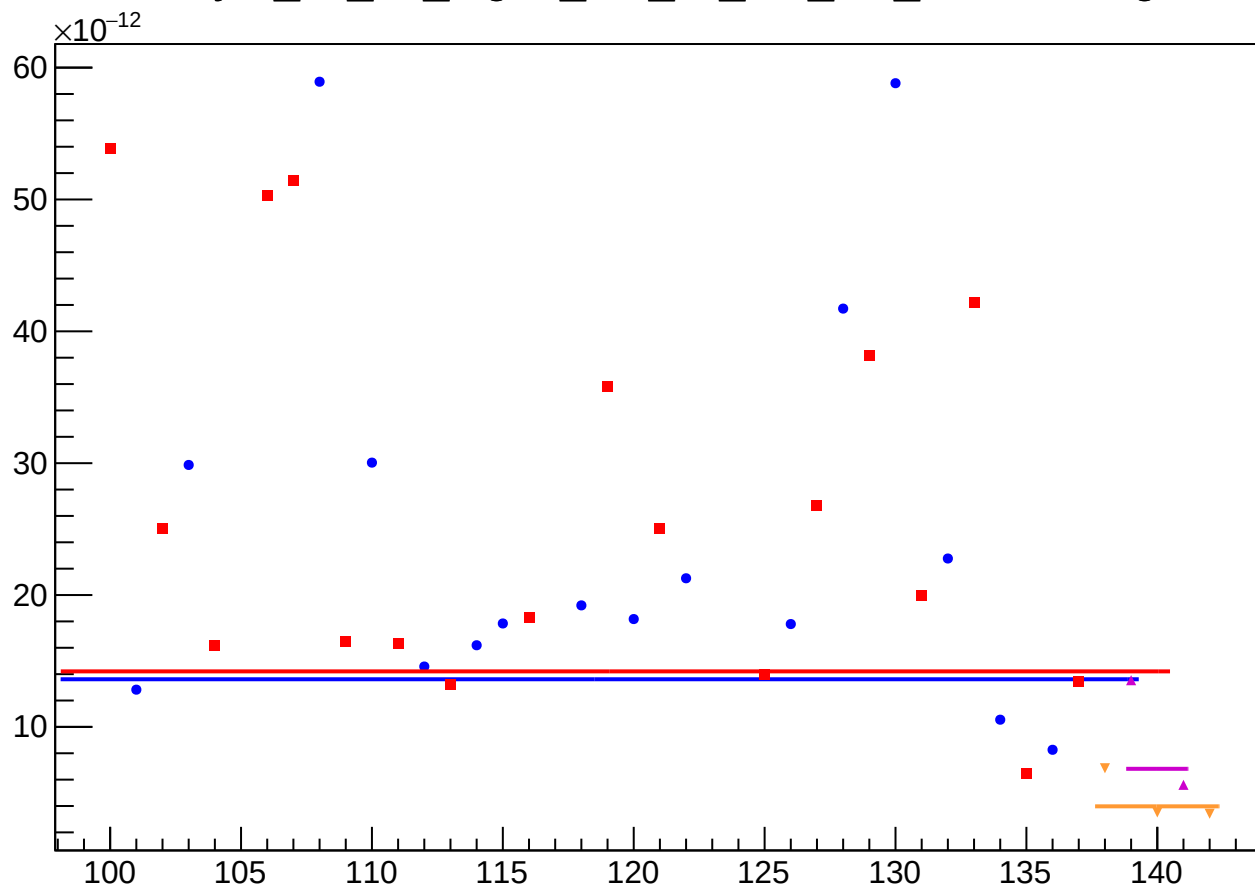
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 34.8/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/19

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 : 169742.0/2

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

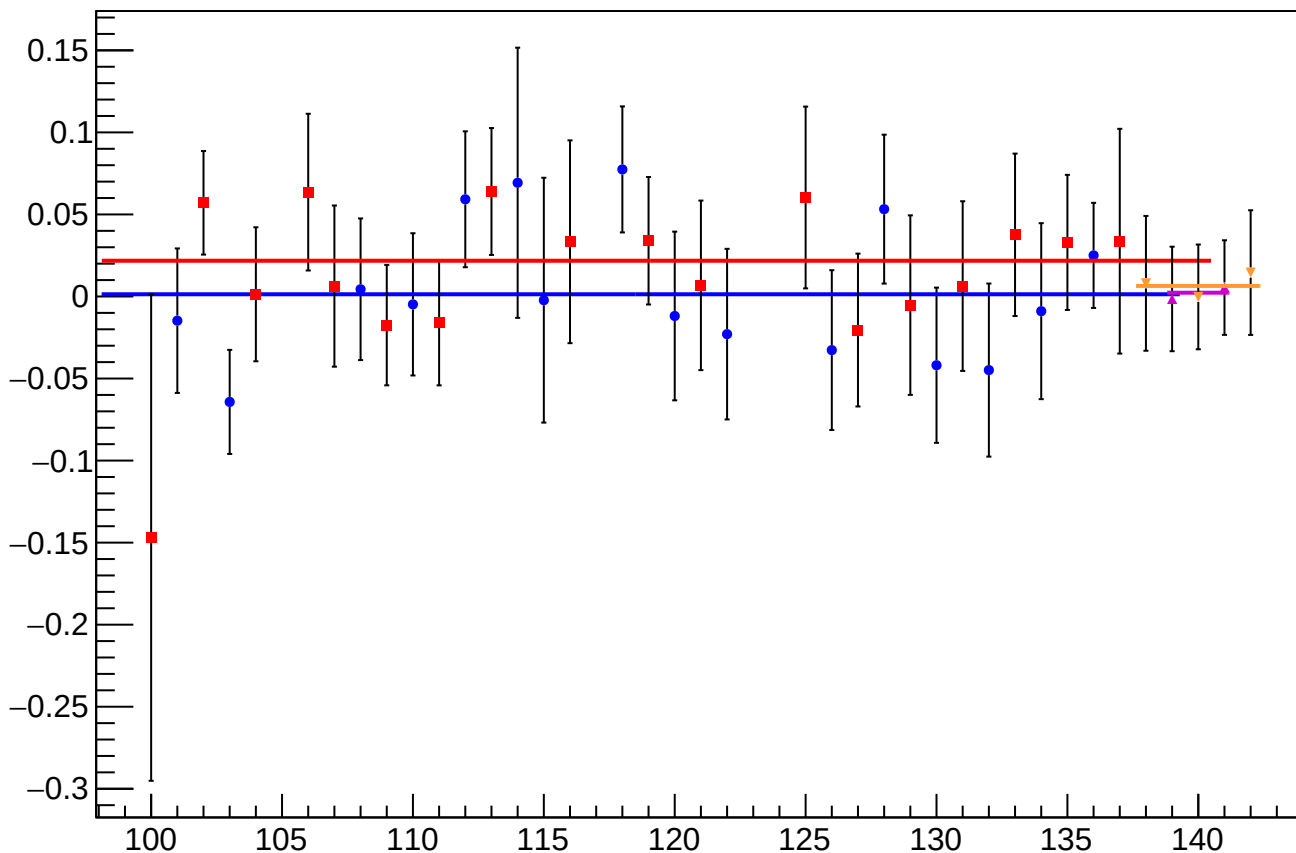
Left In: 0.000+/-0.000 χ^2/NDF : 351880.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 4967745.3/18

All: 0.000+/-0.000 χ^2/NDF : 9541036.5/38

- sign 0.000+/-0.000 χ^2/NDF : 3843758.8/19

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.001 $\pm$ 0.011 χ^2 /NDF: 15.3/15

Left Out: 0.006 $\pm$ 0.021 χ^2 /NDF: 0.1/2

Right Out: 0.022 $\pm$ 0.011 χ^2 /NDF: 9.0/17

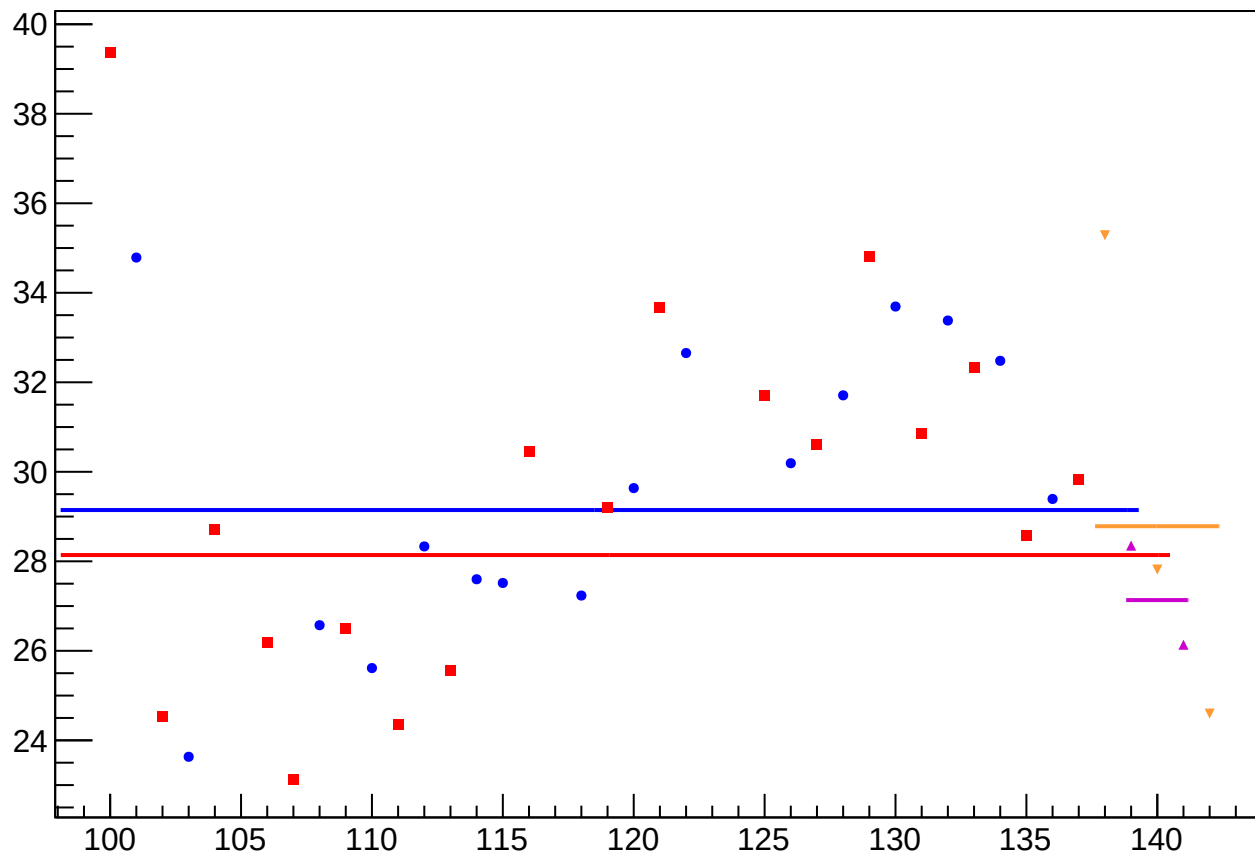
Left In: 0.002 $\pm$ 0.021 χ^2 /NDF: 0.0/1

+ sign 0.002 $\pm$ 0.010 χ^2 /NDF: 15.4/18

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 26.4/38

- sign 0.018 $\pm$ 0.010 χ^2 /NDF: 9.7/19

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: 28.784 $\pm$ 0.015 χ^2/NDF : 76252.4/2

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

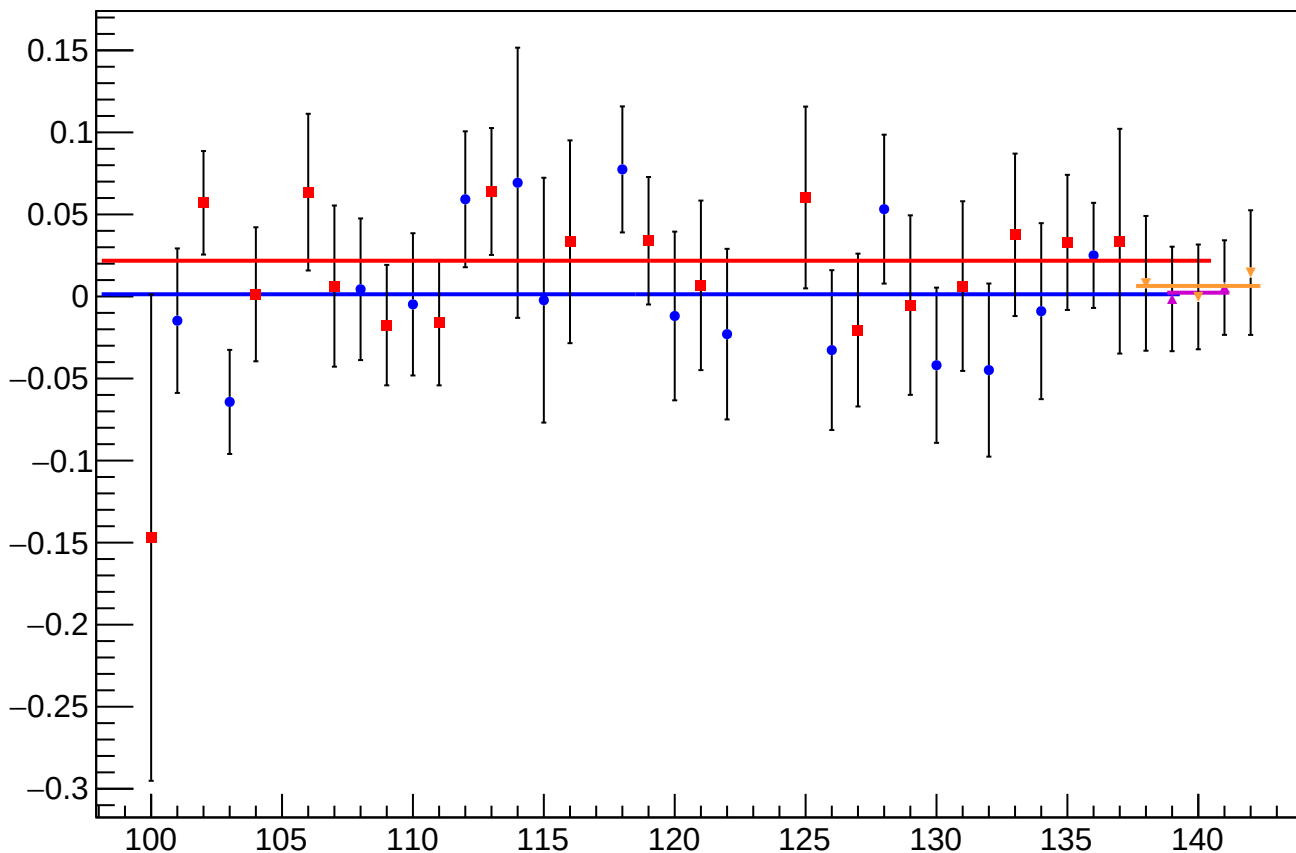
Left In: 27.134 $\pm$ 0.015 χ^2/NDF : 5314.6/1

+ sign 29.065 $\pm$ 0.007 χ^2/NDF : 253603.9/18

All: 28.485 $\pm$ 0.005 χ^2/NDF : 462956.1/38

- sign 27.936 $\pm$ 0.007 χ^2/NDF : 195955.5/19

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001 $\pm$ 0.011 χ^2 /NDF: 15.3/15

Left Out: 0.006 $\pm$ 0.021 χ^2 /NDF: 0.1/2

Right Out: 0.022 $\pm$ 0.011 χ^2 /NDF: 9.0/17

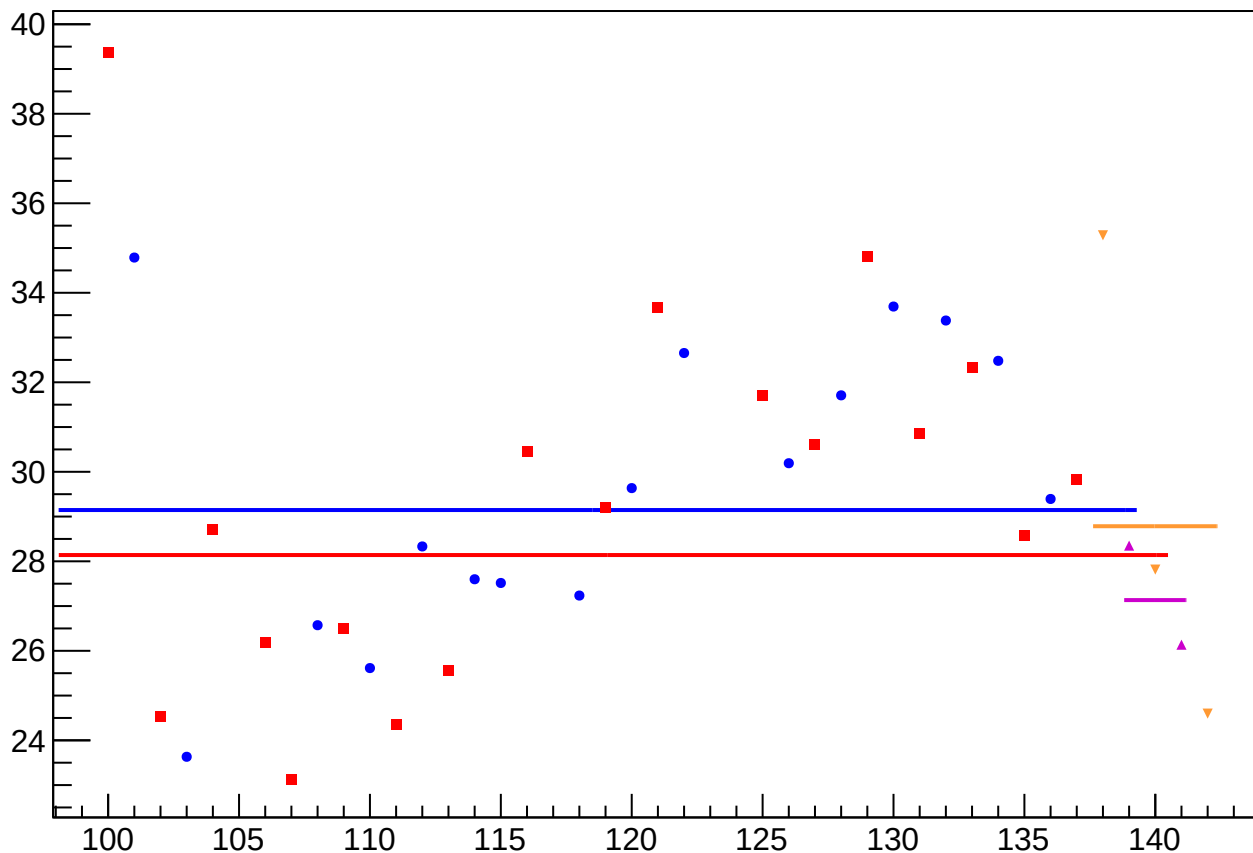
Left In: 0.002 $\pm$ 0.021 χ^2 /NDF: 0.0/1

+ sign 0.002 $\pm$ 0.010 χ^2 /NDF: 15.4/18

All: 0.010 $\pm$ 0.007 χ^2 /NDF: 26.4/38

- sign 0.018 $\pm$ 0.010 χ^2 /NDF: 9.7/19

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: 28.784 $\pm$ 0.015 χ^2 /NDF: 76252.4/2

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

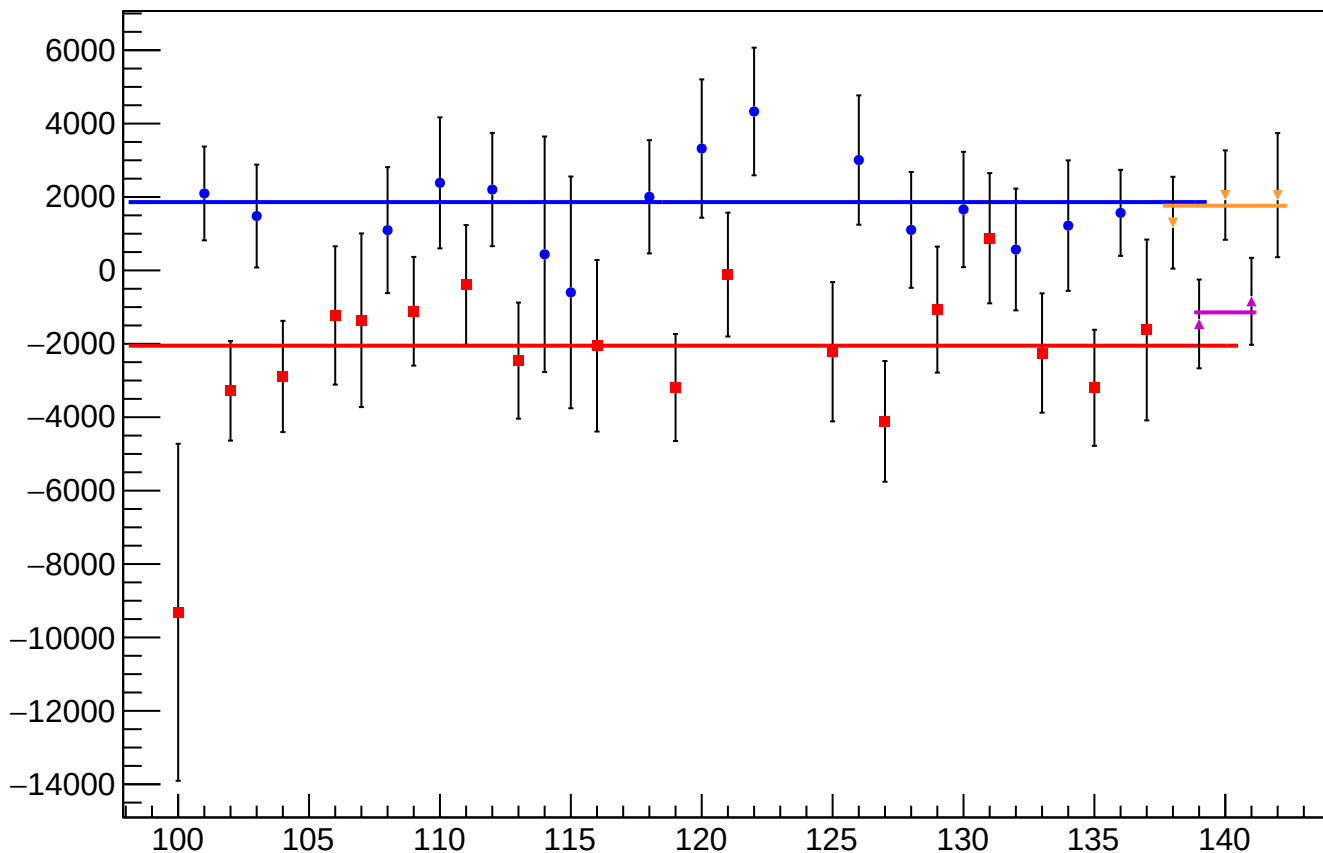
Left In: 27.134 $\pm$ 0.015 χ^2 /NDF: 5314.6/1

+ sign 29.065 $\pm$ 0.007 χ^2 /NDF: 253603.9/18

All: 28.485 $\pm$ 0.005 χ^2 /NDF: 462956.1/38

- sign 27.936 $\pm$ 0.007 χ^2 /NDF: 195955.5/19

reg_asym_usl_mean vs Slug



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

Left Out: 1763.126 ± 775.471 χ^2/NDF : 0.2/2

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

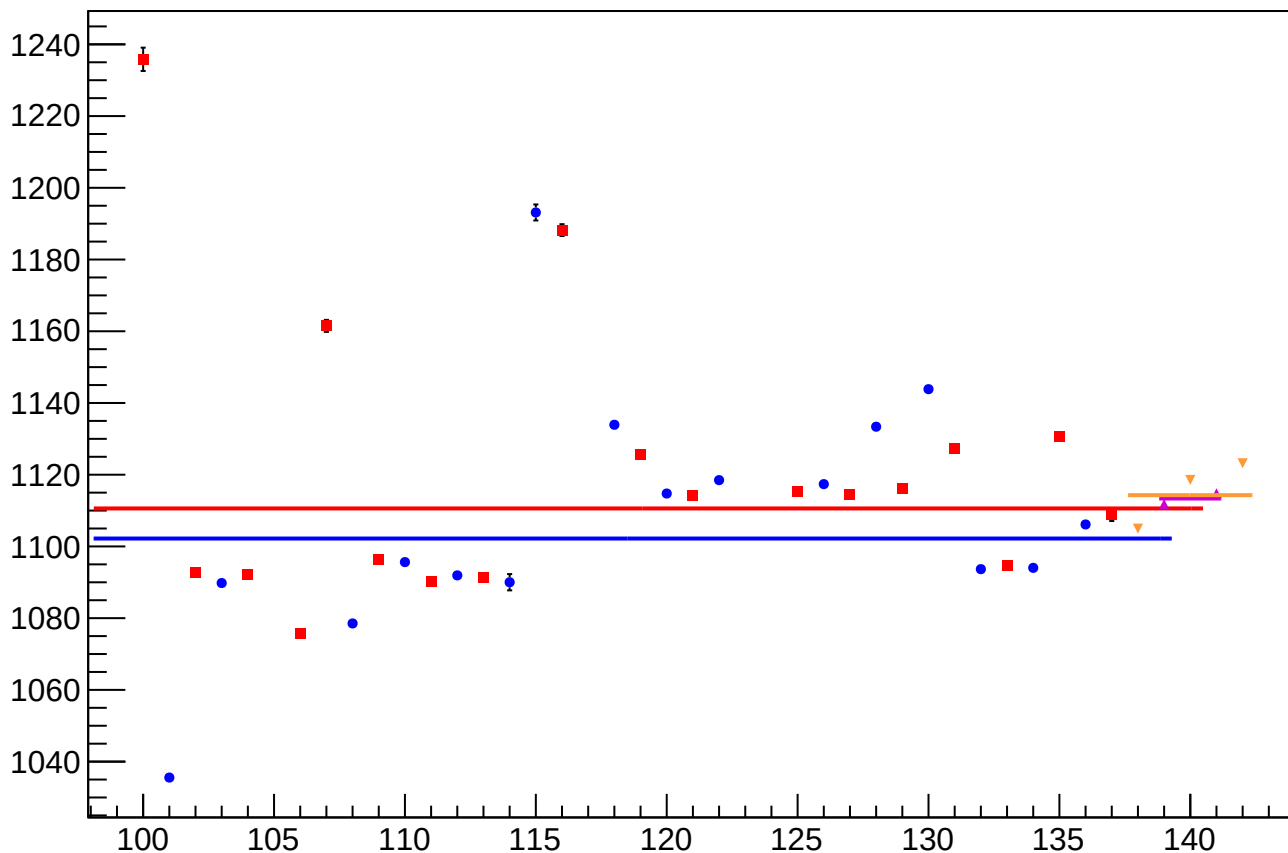
Left In: -1143.738 ± 846.169 χ^2/NDF : 0.1/1

+ sign 1840.067 ± 362.129 χ^2/NDF : 5.6/18

All: 12.623 ± 258.260 χ^2/NDF : 71.0/38

- sign -1878.880 ± 368.421 χ^2/NDF : 13.6/19

reg_asym_usl_rms vs Slug



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

Left Out: 1114.294 $\pm$ 0.548 χ^2 /NDF:191.1/2

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

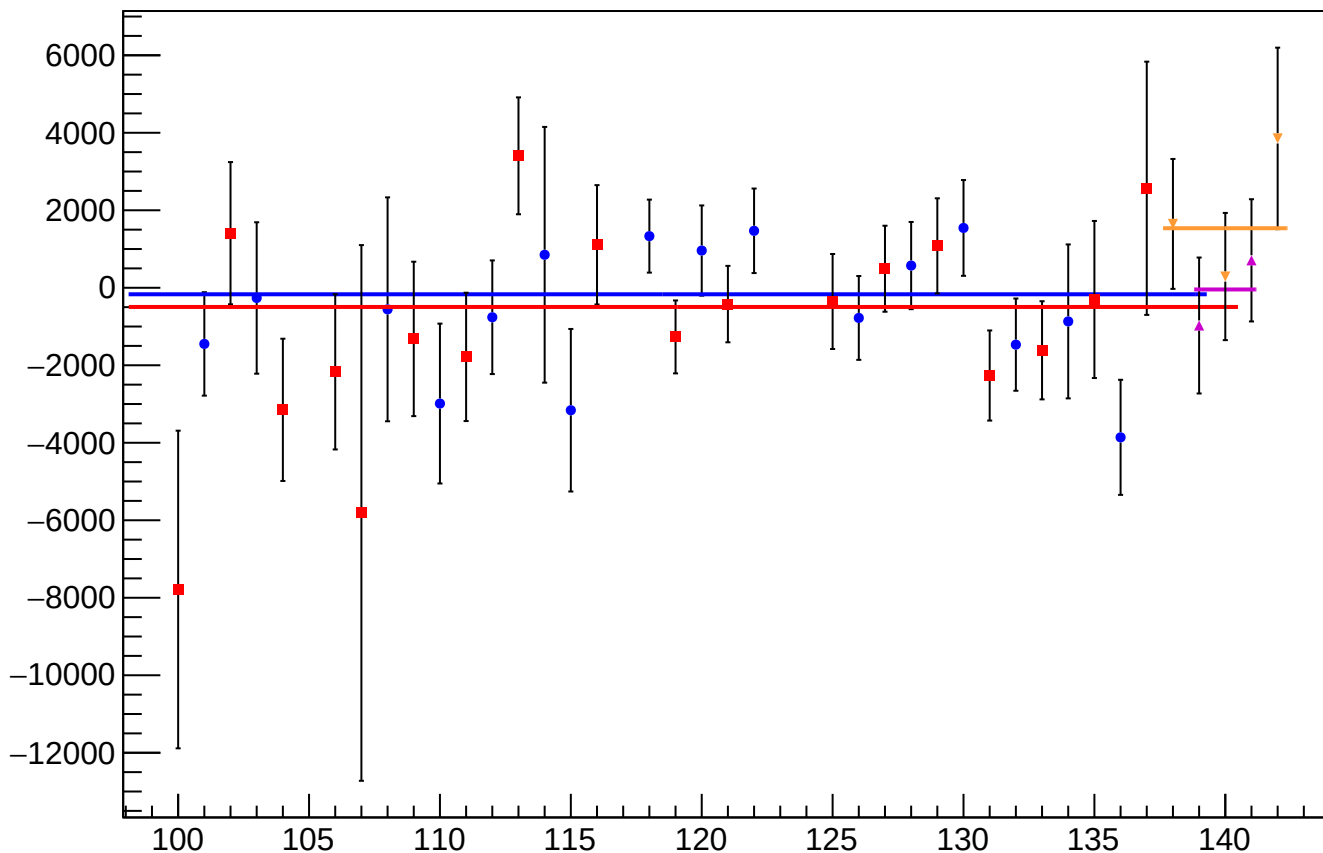
Left In: 1113.359 $\pm$ 0.598 χ^2 /NDF:6.2/1

+ sign 1104.841 $\pm$ 0.256 χ^2 /NDF: 11920.1/18

All: 1107.925 $\pm$ 0.183 χ^2 /NDF: 19934.7/38

- sign 1111.116 $\pm$ 0.261 χ^2 /NDF: 7719.5/19

asym_usl_reg_correction_mean vs Slug



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

Left Out: 1536.724 ± 1048.639 χ^2/NDF : 1.6/2

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

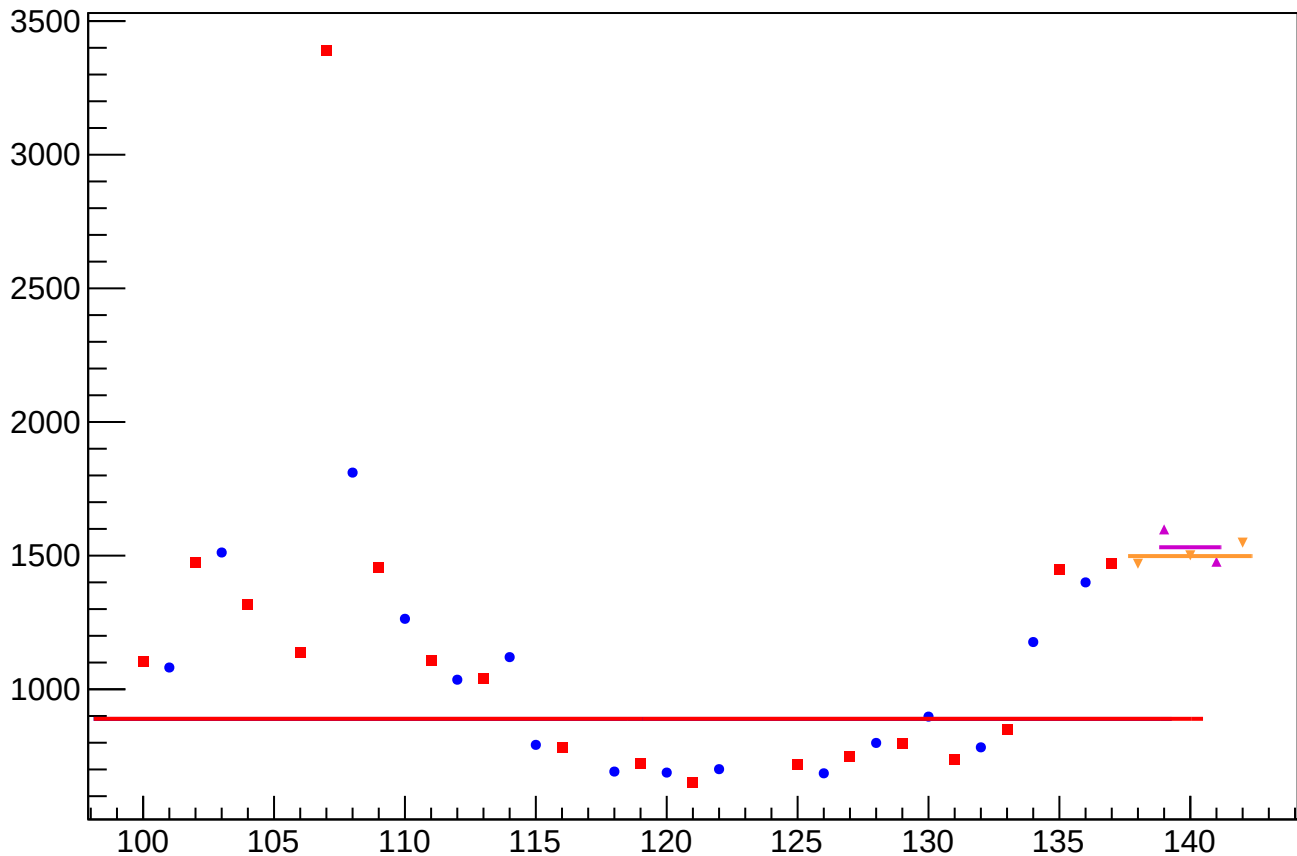
Left In: -43.728 ± 1172.799 χ^2/NDF : 0.5/1

+ sign -1.020 ± 328.098 χ^2/NDF : 25.0/18

All: -228.079 ± 233.028 χ^2/NDF : 49.9/38

- sign -459.207 ± 331.024 χ^2/NDF : 23.9/19

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1498.329+/-0.741 χ^2/NDF :1512.2/2

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

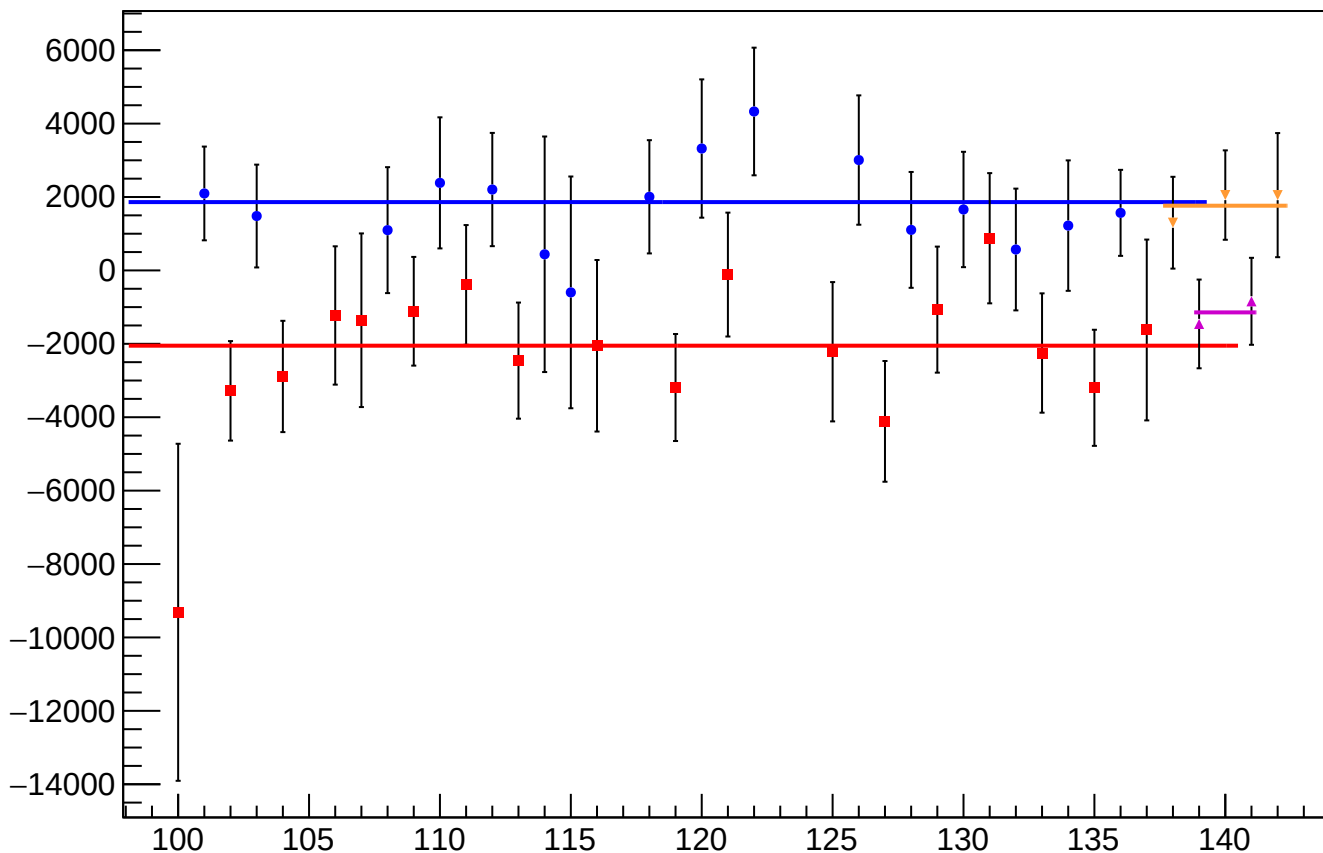
Left In: 1531.365+/-0.829 χ^2/NDF :5255.6/1

+ sign 948.610+/-0.232 χ^2/NDF : 1743539.1/18

All: 944.648+/-0.165 χ^2/NDF : 3646506.6/38

- sign 940.614+/-0.234 χ^2/NDF : 1902378.9/19

cor_asym_usl_mean vs Slug



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

Left Out: 1763.126 $\pm$ 775.471 χ^2/NDF : 0.2/2

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

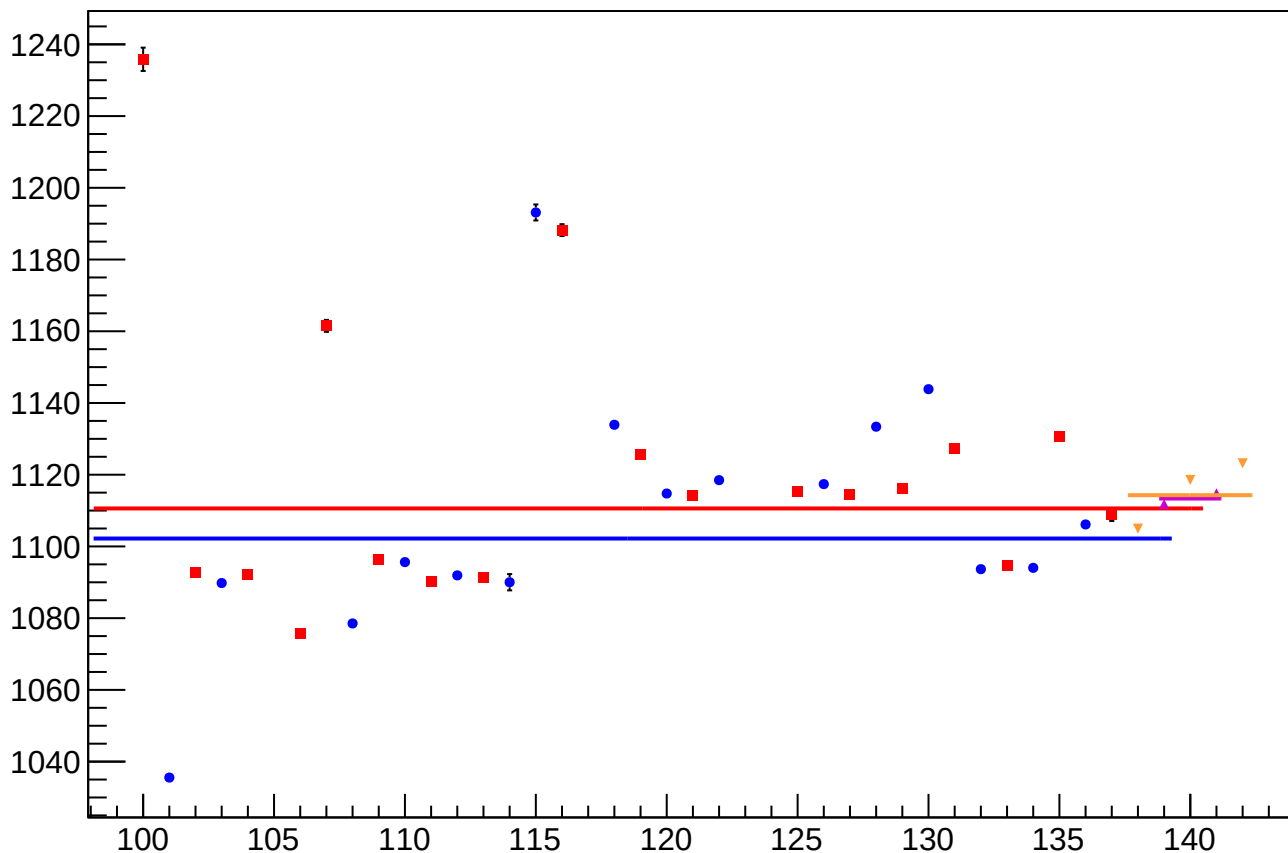
Left In: -1143.738 $\pm$ 846.169 χ^2/NDF : 0.1/1

+ sign 1840.067 $\pm$ 362.129 χ^2/NDF : 5.6/18

All: 12.623 $\pm$ 258.260 χ^2/NDF : 71.0/38

- sign -1878.880 $\pm$ 368.421 χ^2/NDF : 13.6/19

cor_asym_usl_rms vs Slug



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

Left Out: 1114.294 $\pm$ 0.548 χ^2 /NDF:191.1/2

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

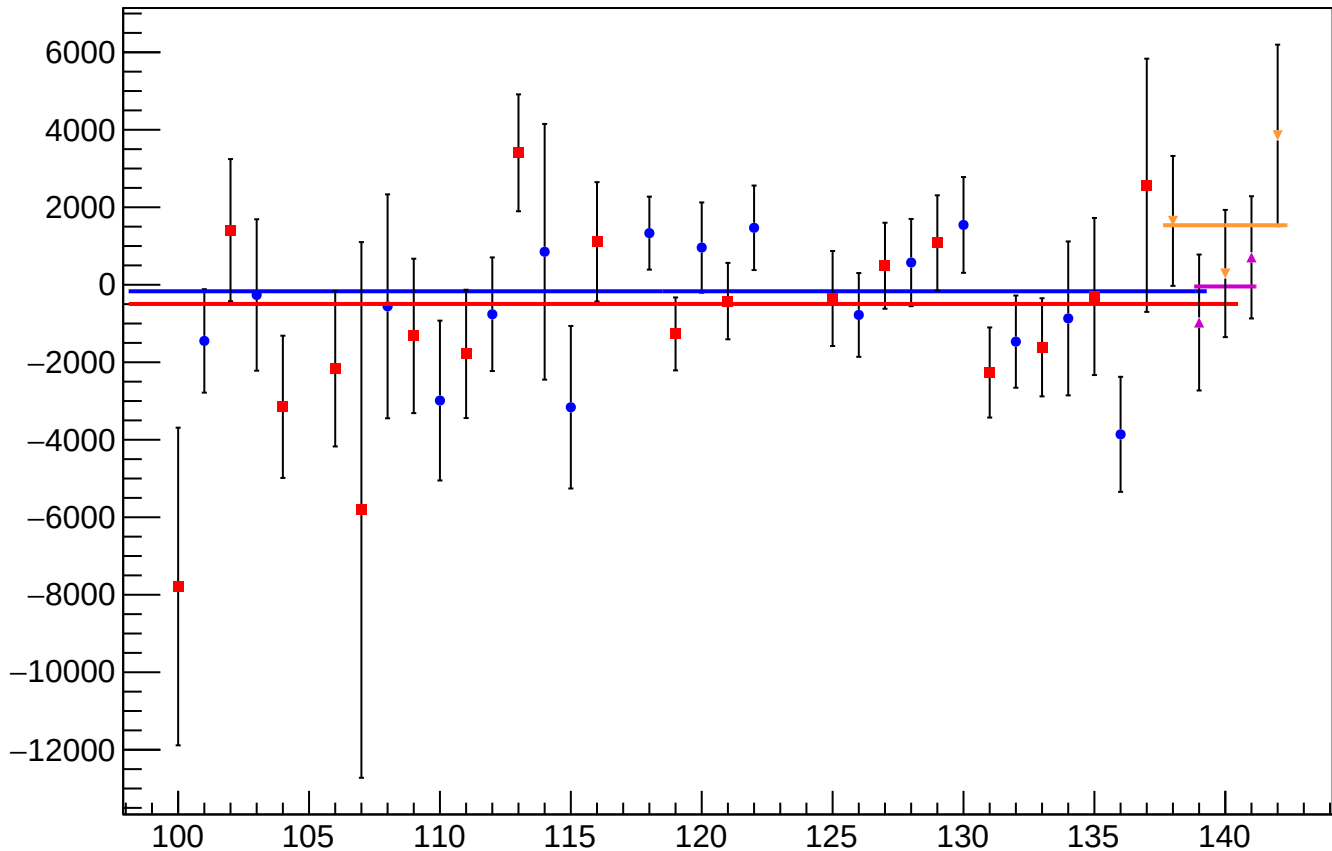
Left In: 1113.359 $\pm$ 0.598 χ^2 /NDF:6.2/1

+ sign 1104.841 $\pm$ 0.256 χ^2 /NDF: 11920.1/18

All: 1107.925 $\pm$ 0.183 χ^2 /NDF: 19934.7/38

- sign 1111.116 $\pm$ 0.261 χ^2 /NDF: 7719.5/19

asym_usl_cor_correction_mean vs Slug



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

Left Out: 1536.724+/-1048.639 χ^2/NDF : 1.6/2

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

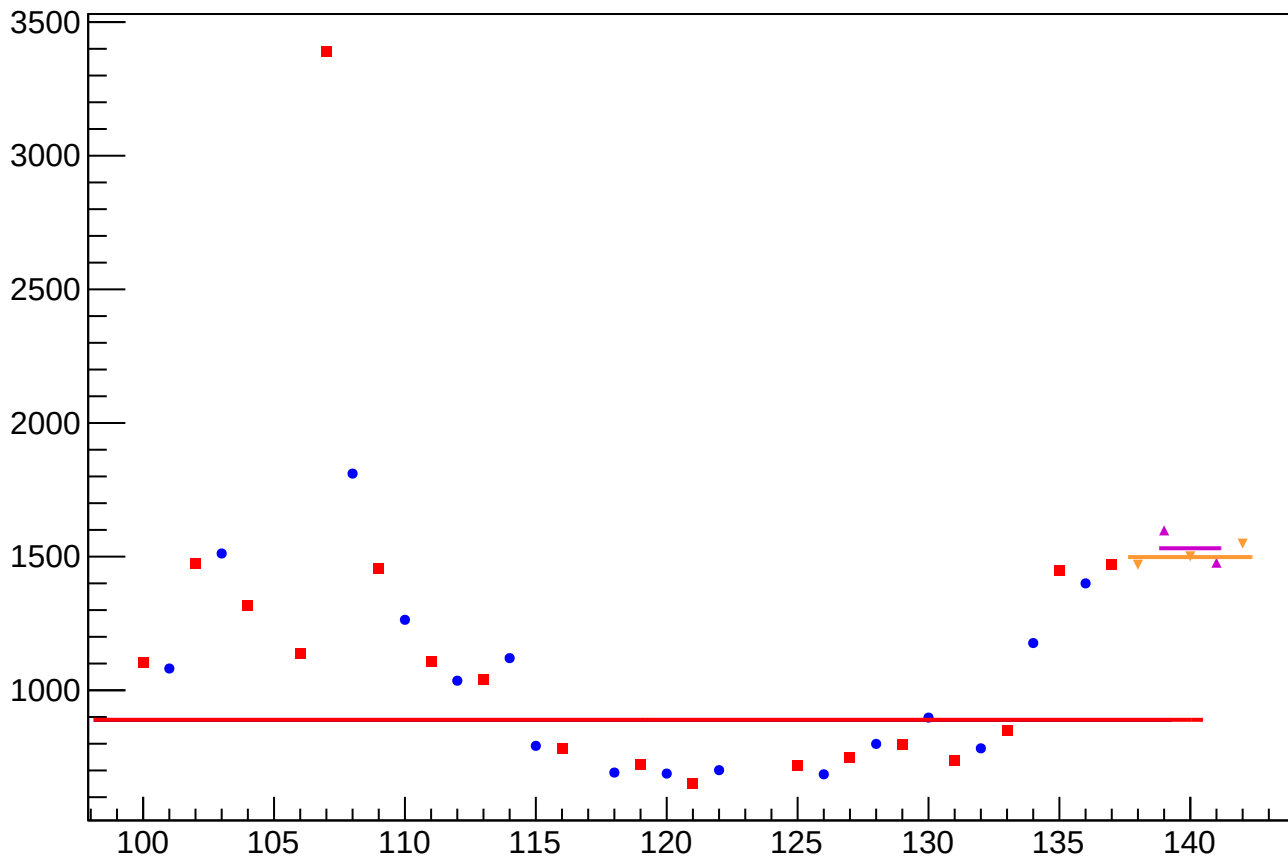
Left In: -43.728+/-1172.799 χ^2/NDF : 0.5/1

+ sign -1.020+/-328.098 χ^2/NDF : 25.0/18

All: -228.079+/-233.028 χ^2/NDF : 49.9/38

- sign -459.207+/-331.024 χ^2/NDF : 23.9/19

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1498.329+/-0.741 χ^2/NDF :1512.2/2

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

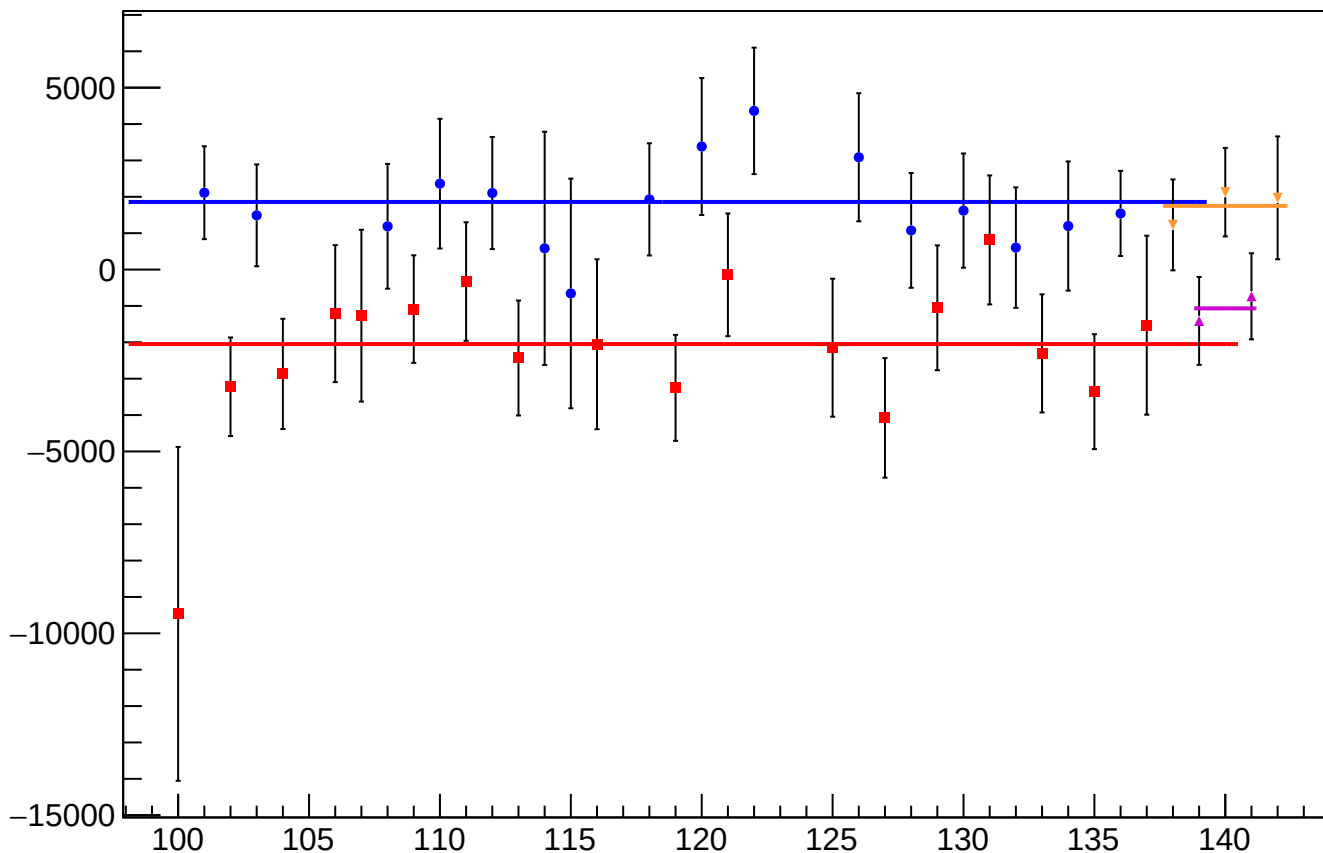
Left In: 1531.365+/-0.829 χ^2/NDF :5255.6/1

+ sign 948.610+/-0.232 χ^2/NDF : 1743539.1/18

All: 944.648+/-0.165 χ^2/NDF : 3646506.6/38

- sign 940.614+/-0.234 χ^2/NDF : 1902378.9/19

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1749.309 $\pm$ 774.576 χ^2/NDF : 0.3/2

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

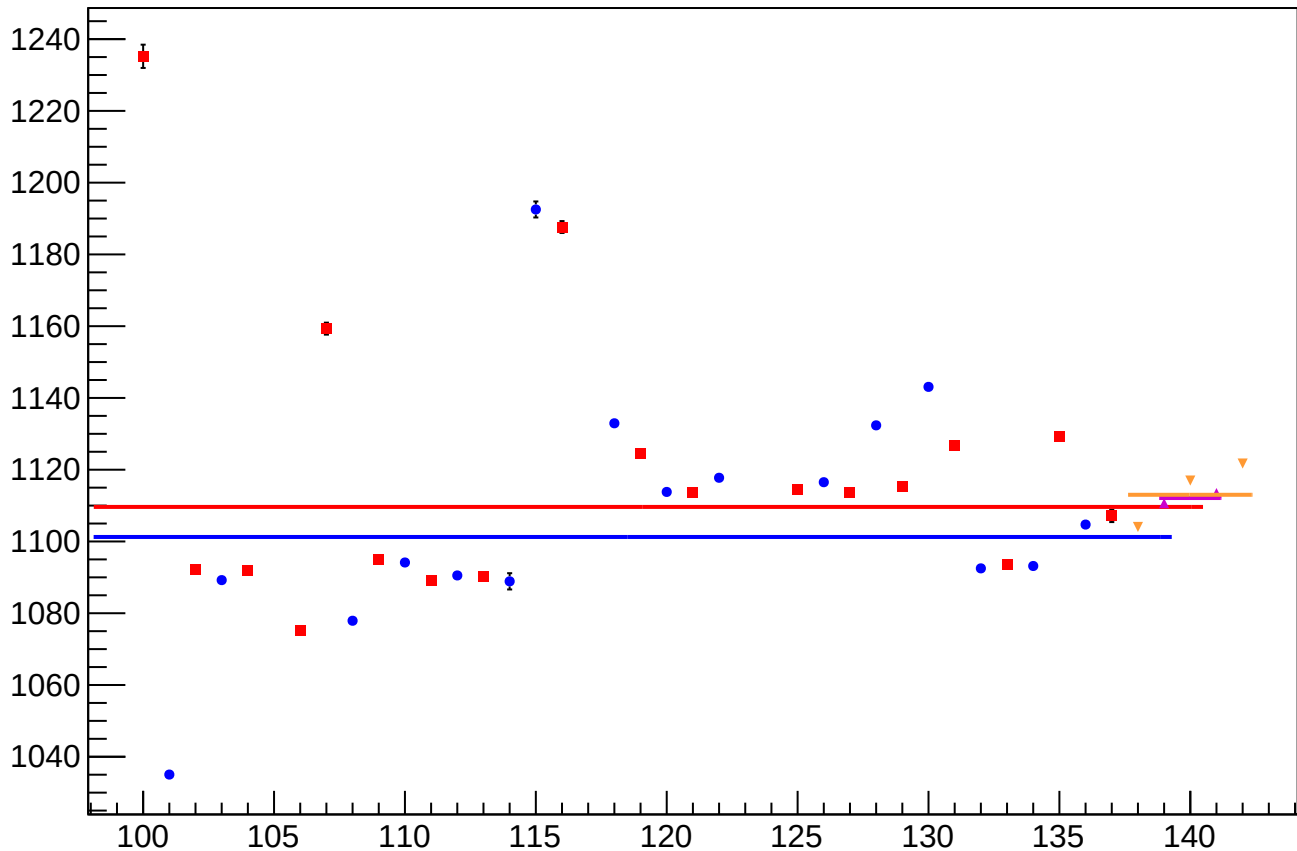
Left In: -1067.131 $\pm$ 845.217 χ^2/NDF : 0.2/1

+ sign 1834.821 $\pm$ 361.793 χ^2/NDF : 5.7/18

All: 18.011 $\pm$ 258.022 χ^2/NDF : 71.1/38

- sign -1862.523 $\pm$ 368.083 χ^2/NDF : 14.0/19

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1113.010+/-0.548 χ^2/NDF : 177.3/2

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

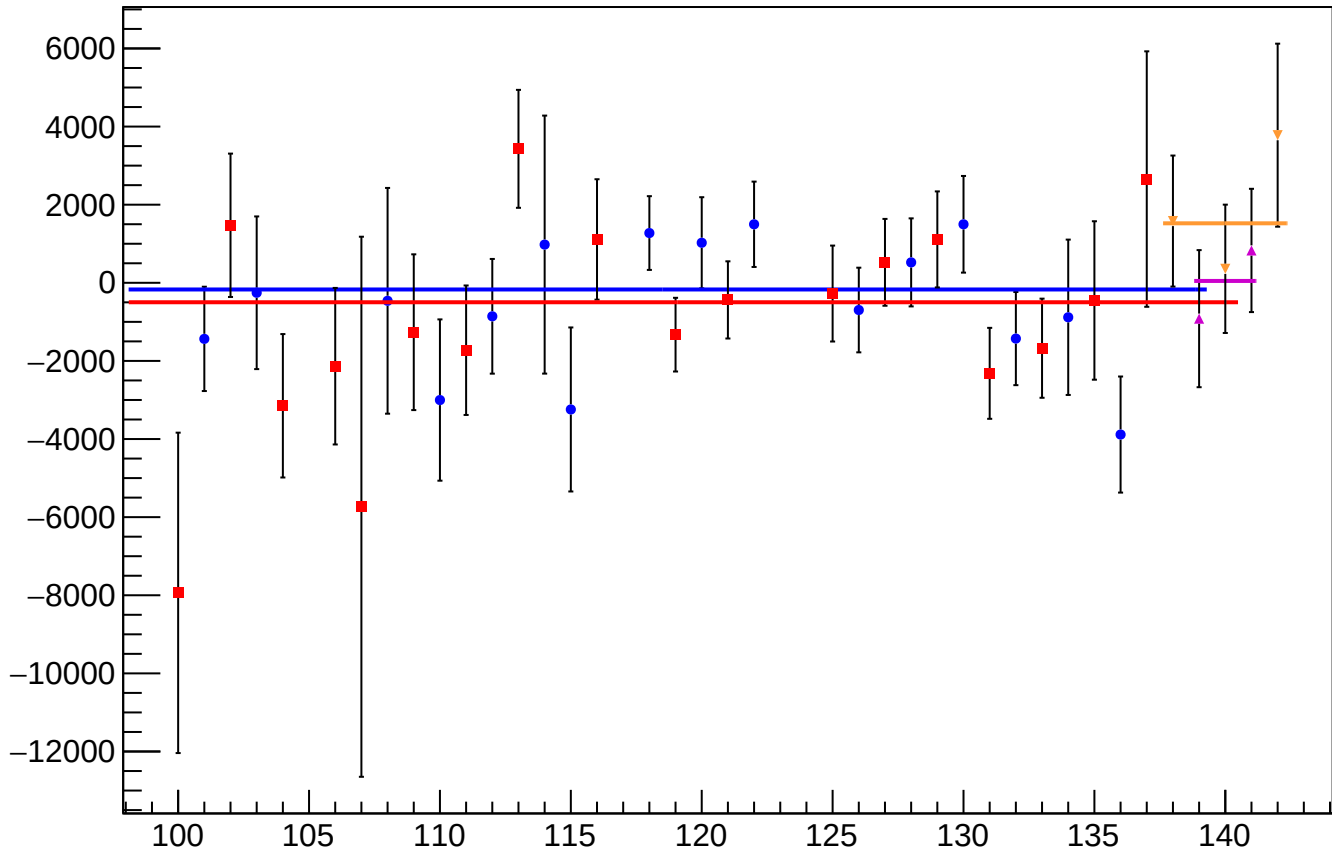
Left In: 1112.109+/-0.598 χ^2/NDF : 5.6/1

+ sign 1103.819+/-0.256 χ^2/NDF : 11845.7/18

All: 1106.905+/-0.182 χ^2/NDF : 19834.4/38

- sign 1110.099+/-0.260 χ^2/NDF : 7692.6/19

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: 1523.187 ± 1049.319 χ^2/NDF : 1.4/2

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

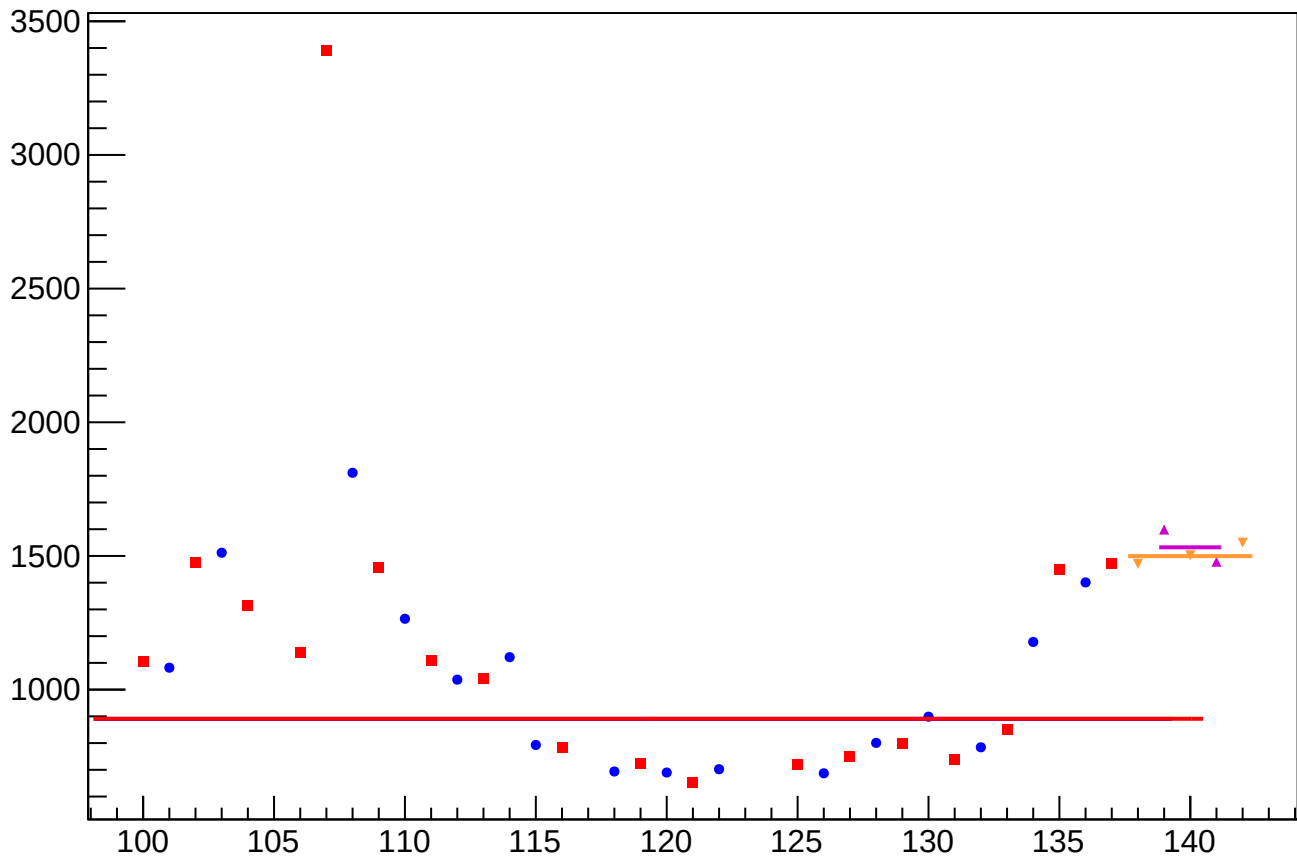
Left In: 47.613 ± 1173.493 χ^2/NDF : 0.5/1

+ sign -4.814 ± 328.580 χ^2/NDF : 24.7/18

All: -227.635 ± 233.364 χ^2/NDF : 50.3/38

- sign -454.422 ± 331.491 χ^2/NDF : 24.7/19

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1499.319+/-0.742 χ^2/NDF :1520.9/2

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

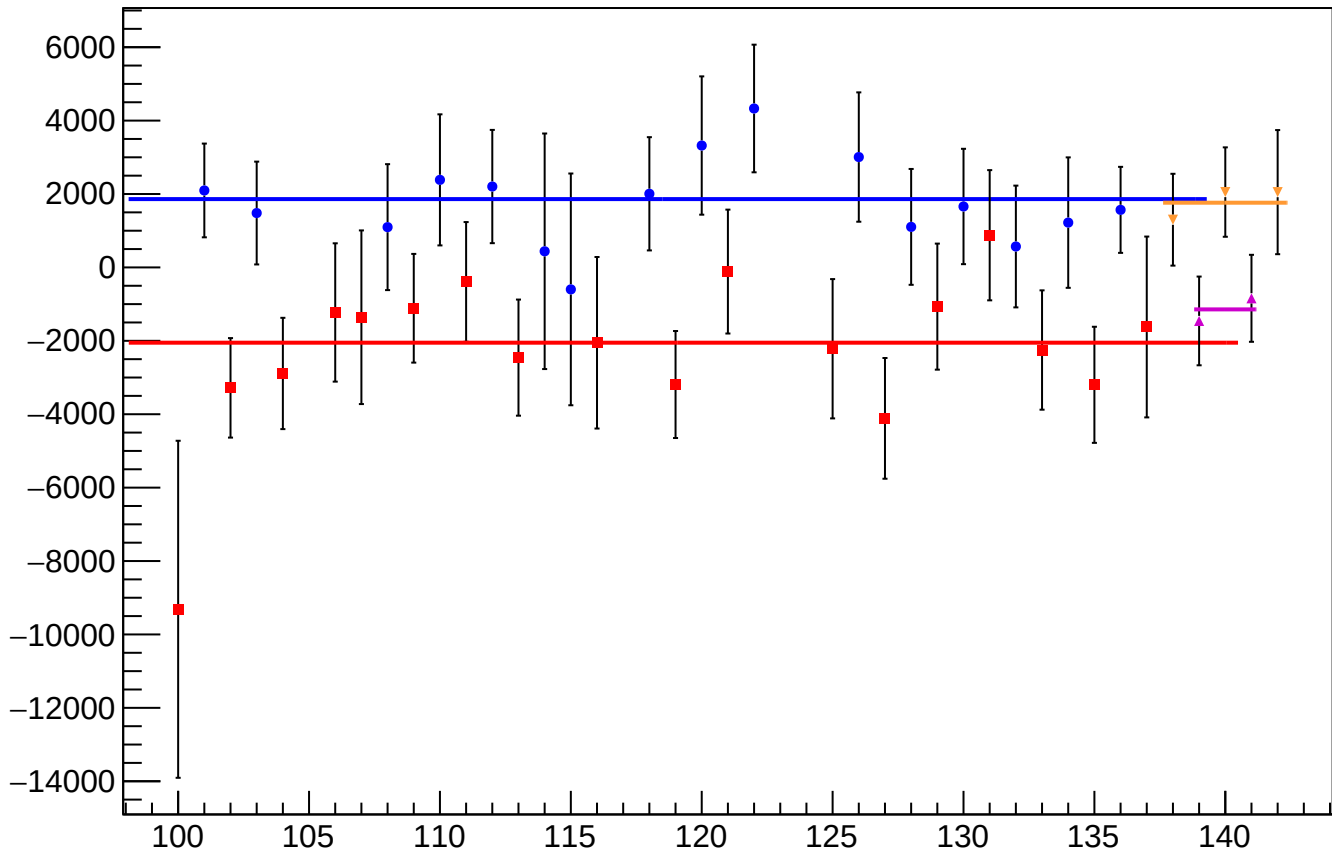
Left In: 1532.289+/-0.830 χ^2/NDF :5221.3/1

+ sign 950.193+/-0.232 χ^2/NDF : 1737527.0/18

All: 946.190+/-0.165 χ^2/NDF : 3634874.3/38

- sign 942.116+/-0.234 χ^2/NDF : 1896748.4/19

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1763.126 ± 775.471 χ^2/NDF : 0.2/2

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

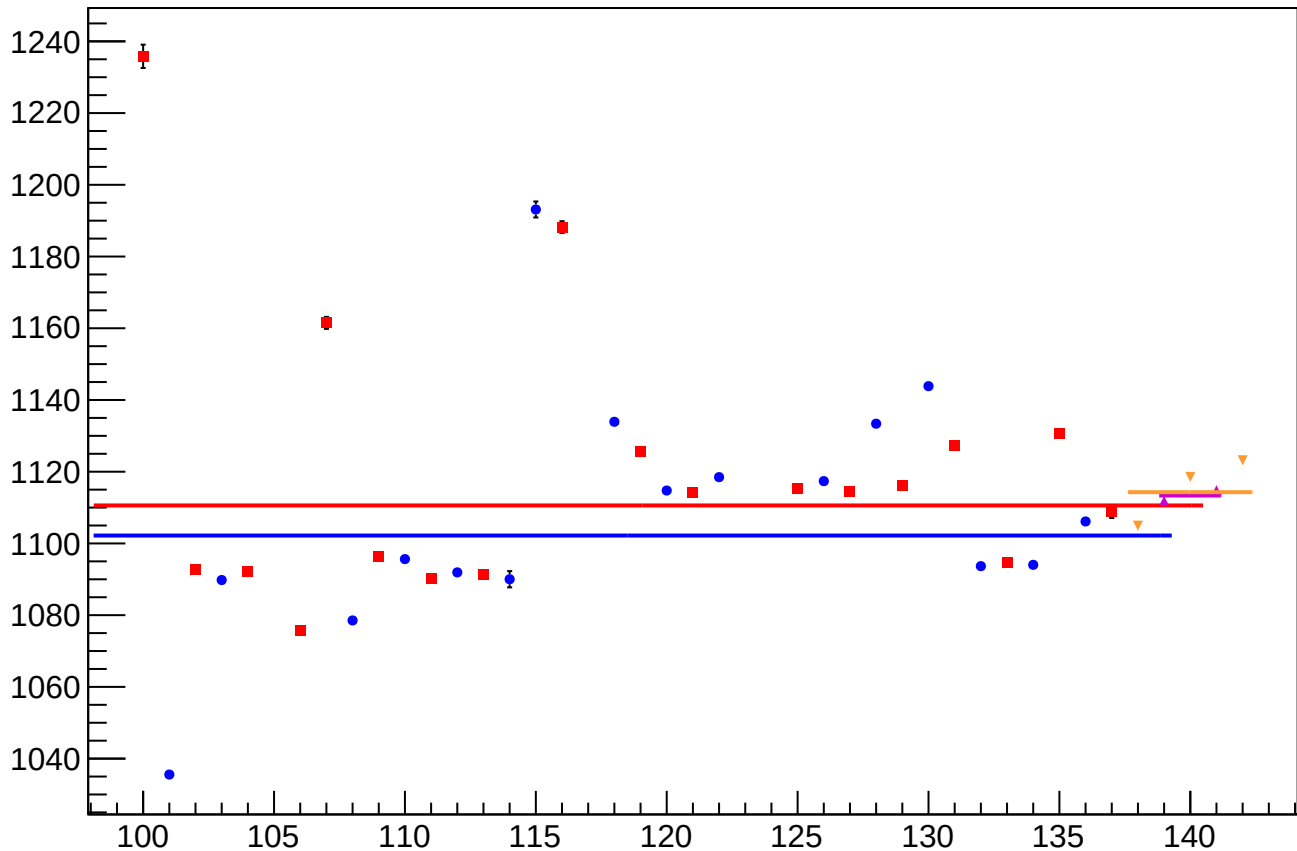
Left In: -1143.738 ± 846.169 χ^2/NDF : 0.1/1

+ sign 1840.067 ± 362.129 χ^2/NDF : 5.6/18

All: 12.623 ± 258.260 χ^2/NDF : 71.0/38

- sign -1878.880 ± 368.421 χ^2/NDF : 13.6/19

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1114.294 $\pm$ 0.548 χ^2 /NDF:191.1/2

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

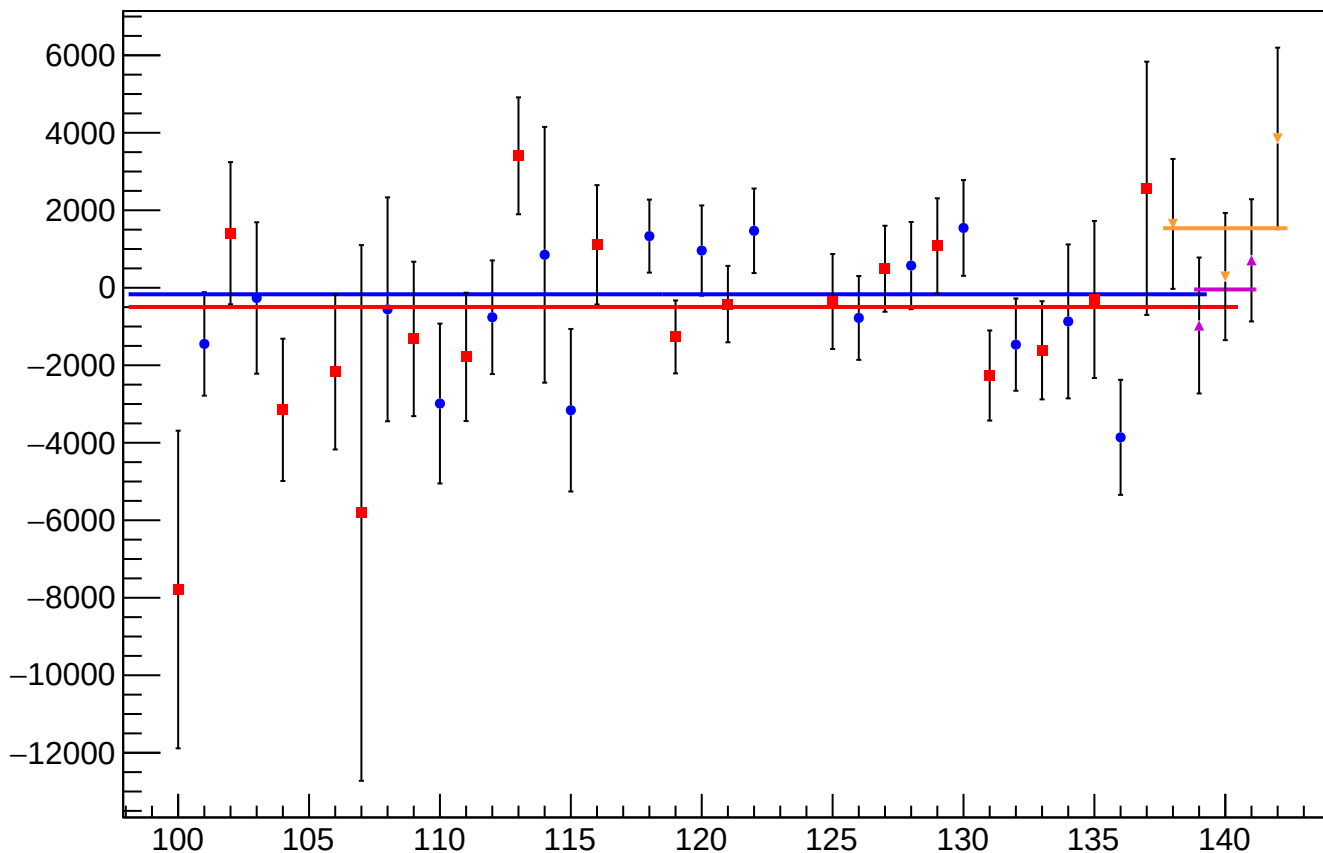
Left In: 1113.359 $\pm$ 0.598 χ^2 /NDF:6.2/1

+ sign 1104.841 $\pm$ 0.256 χ^2 /NDF: 11920.1/18

All: 1107.925 $\pm$ 0.183 χ^2 /NDF: 19934.7/38

- sign 1111.116 $\pm$ 0.261 χ^2 /NDF: 7719.5/19

asym_usl_eigen_cor_correction_mean vs Slug



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

Left Out: 1536.724 ± 1048.639 χ^2/NDF : 1.6/2

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

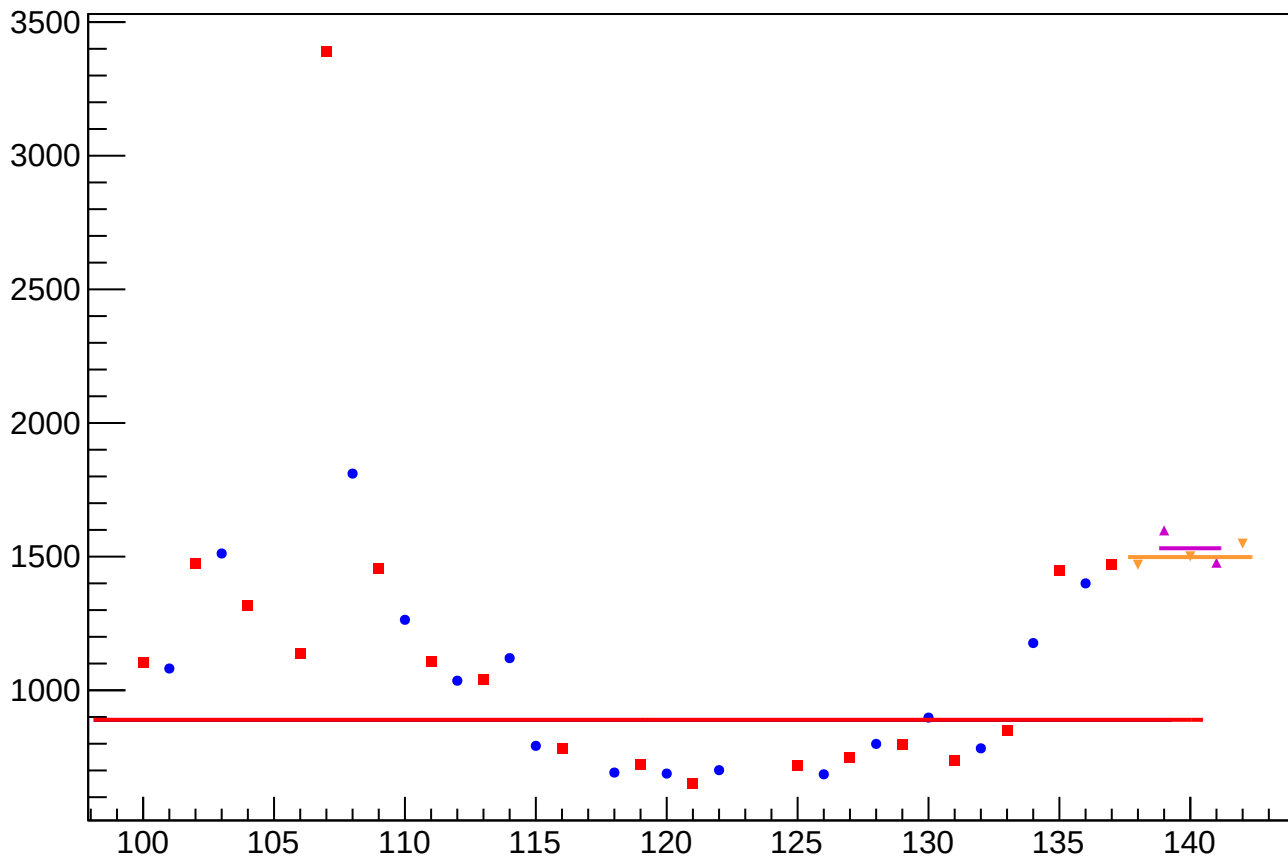
Left In: -43.728 ± 1172.799 χ^2/NDF : 0.5/1

+ sign -1.020 ± 328.098 χ^2/NDF : 25.0/18

All: -228.079 ± 233.028 χ^2/NDF : 49.9/38

- sign -459.207 ± 331.024 χ^2/NDF : 23.9/19

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1498.329+/-0.741 χ^2/NDF :1512.2/2

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

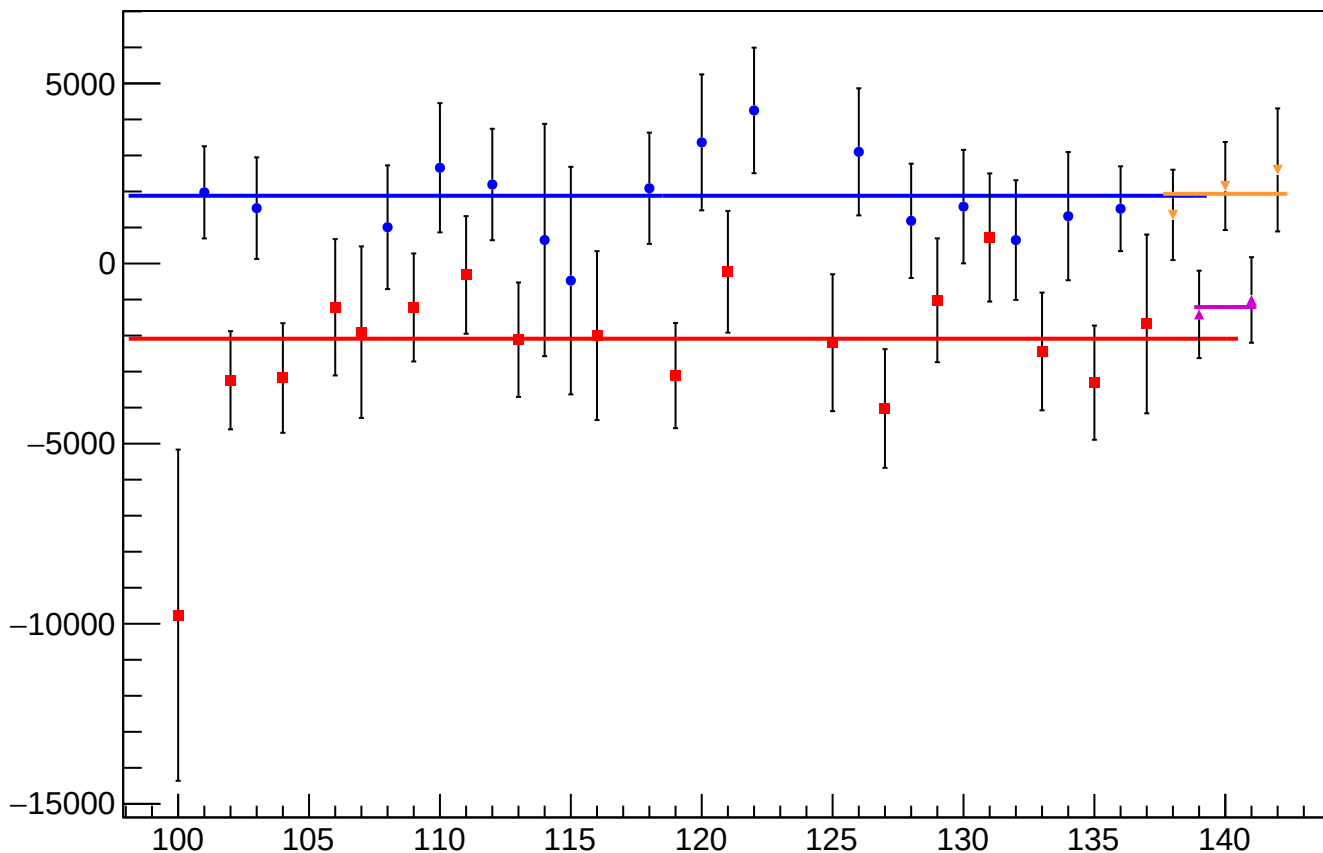
Left In: 1531.365+/-0.829 χ^2/NDF :5255.6/1

+ sign 948.610+/-0.232 χ^2/NDF : 1743539.1/18

All: 944.648+/-0.165 χ^2/NDF : 3646506.6/38

- sign 940.614+/-0.234 χ^2/NDF : 1902378.9/19

dit_asym_usl_mean vs Slug



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

Left Out: 1935.130+/-778.886 χ^2/NDF : 0.4/2

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

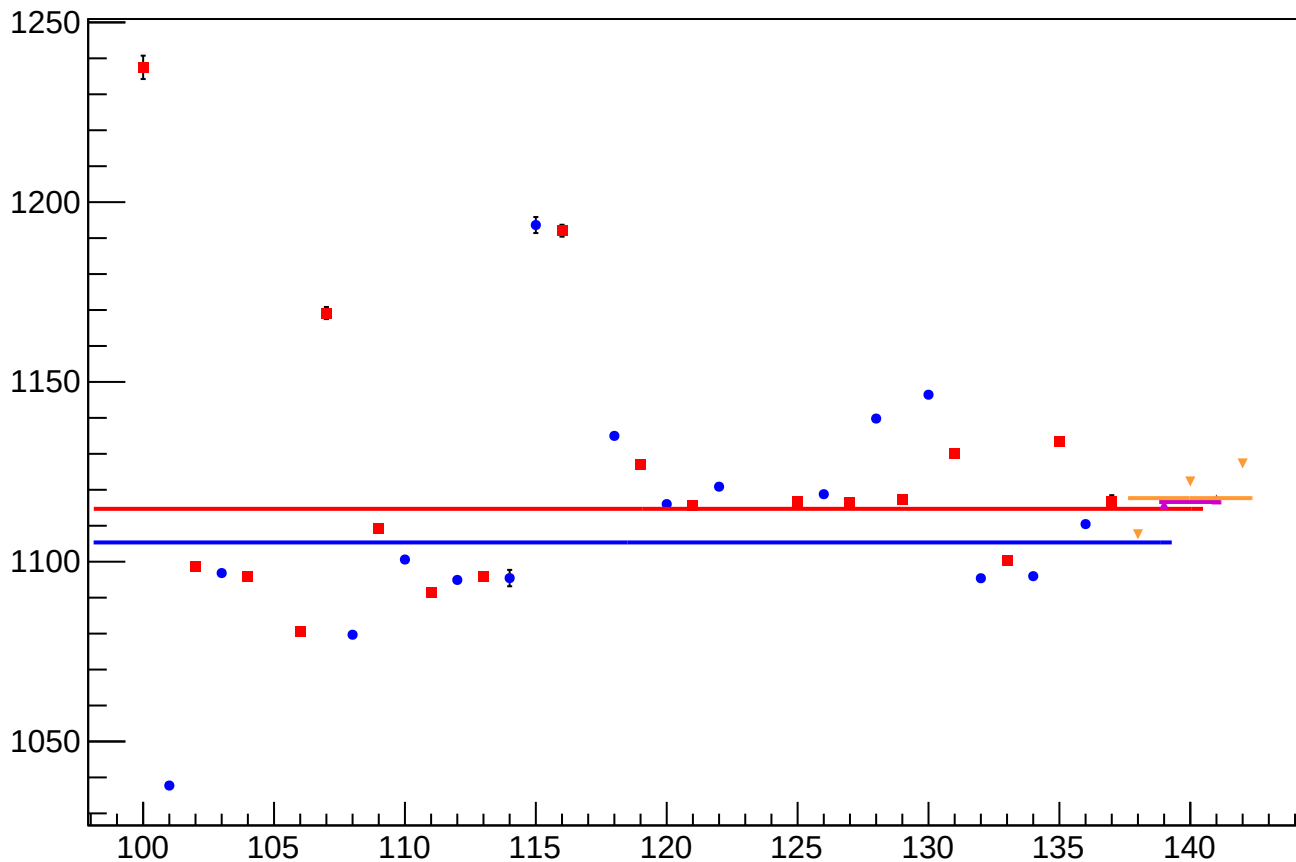
Left In: -1207.573+/-848.745 χ^2/NDF : 0.1/1

+ sign 1893.186+/-363.290 χ^2/NDF : 5.6/18

All: 20.218+/-259.140 χ^2/NDF : 73.0/38

- sign -1920.002+/-369.755 χ^2/NDF : 13.3/19

dit_asym_usl_rms vs Slug



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

Left Out: 1117.683+/-0.551 χ^2/NDF : 221.3/2

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

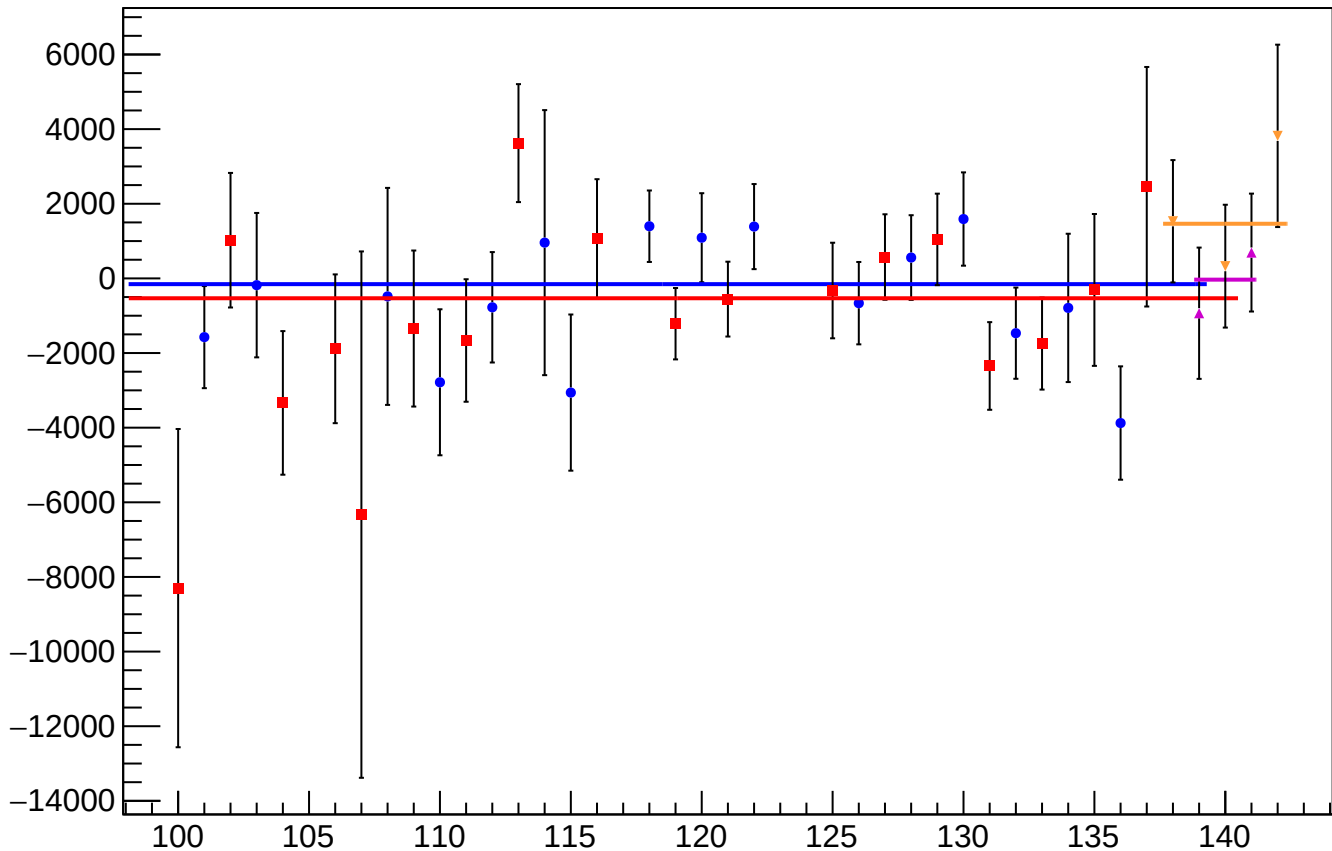
Left In: 1116.611+/-0.600 χ^2/NDF : 1.5/1

+ sign 1108.037+/-0.257 χ^2/NDF : 11944.3/18

All: 1111.490+/-0.183 χ^2/NDF : 19652.0/38

- sign 1115.067+/-0.261 χ^2/NDF : 7340.0/19

asym_usl_dit_correction_mean vs Slug



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

Left Out: 1464.056 ± 1048.887 χ^2/NDF : 1.4/2

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

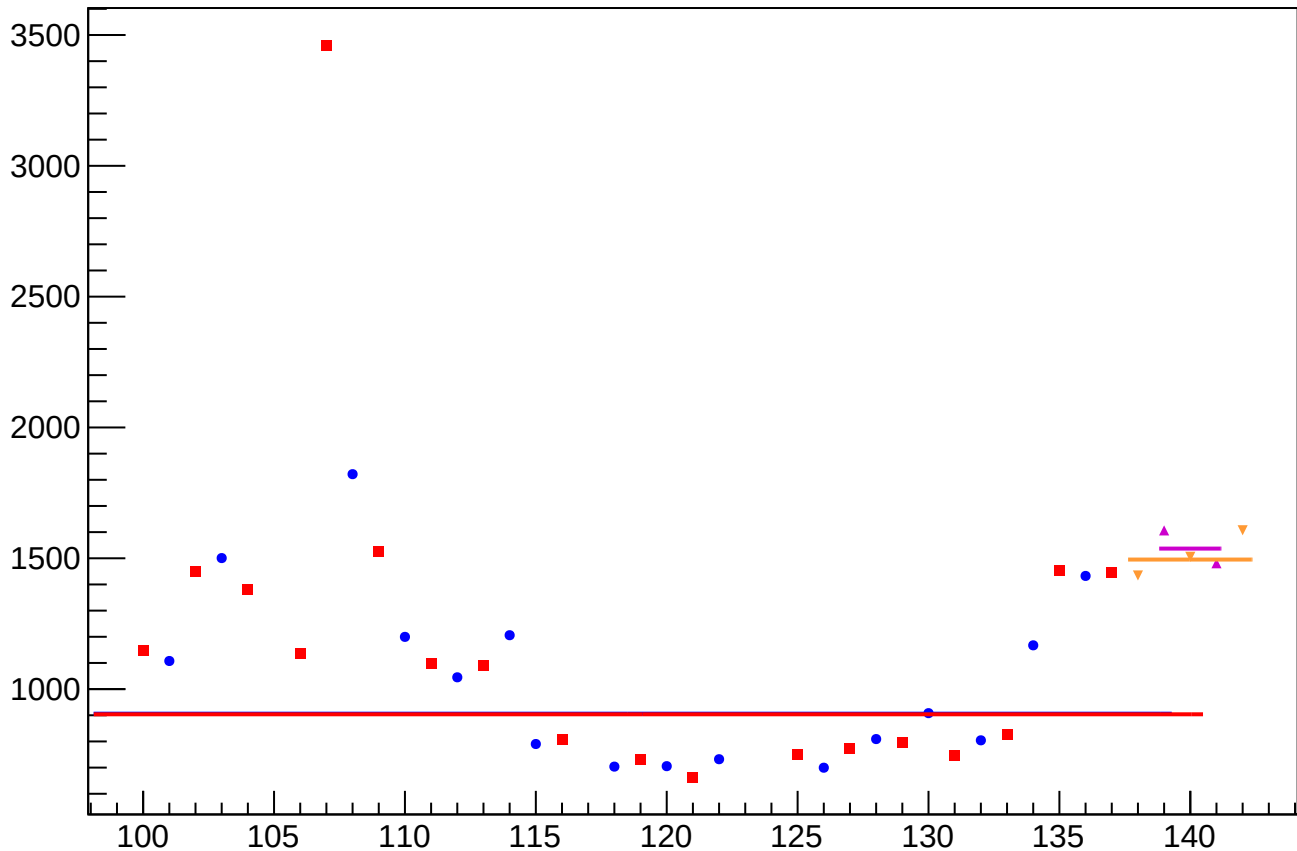
Left In: -33.574 ± 1175.291 χ^2/NDF : 0.5/1

+ sign 9.215 ± 333.128 χ^2/NDF : 24.0/18

All: -239.120 ± 236.496 χ^2/NDF : 49.0/38

- sign -491.454 ± 335.800 χ^2/NDF : 23.9/19

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1495.181 $\pm$ 0.742 χ^2 /NDF: 7034.2/2

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

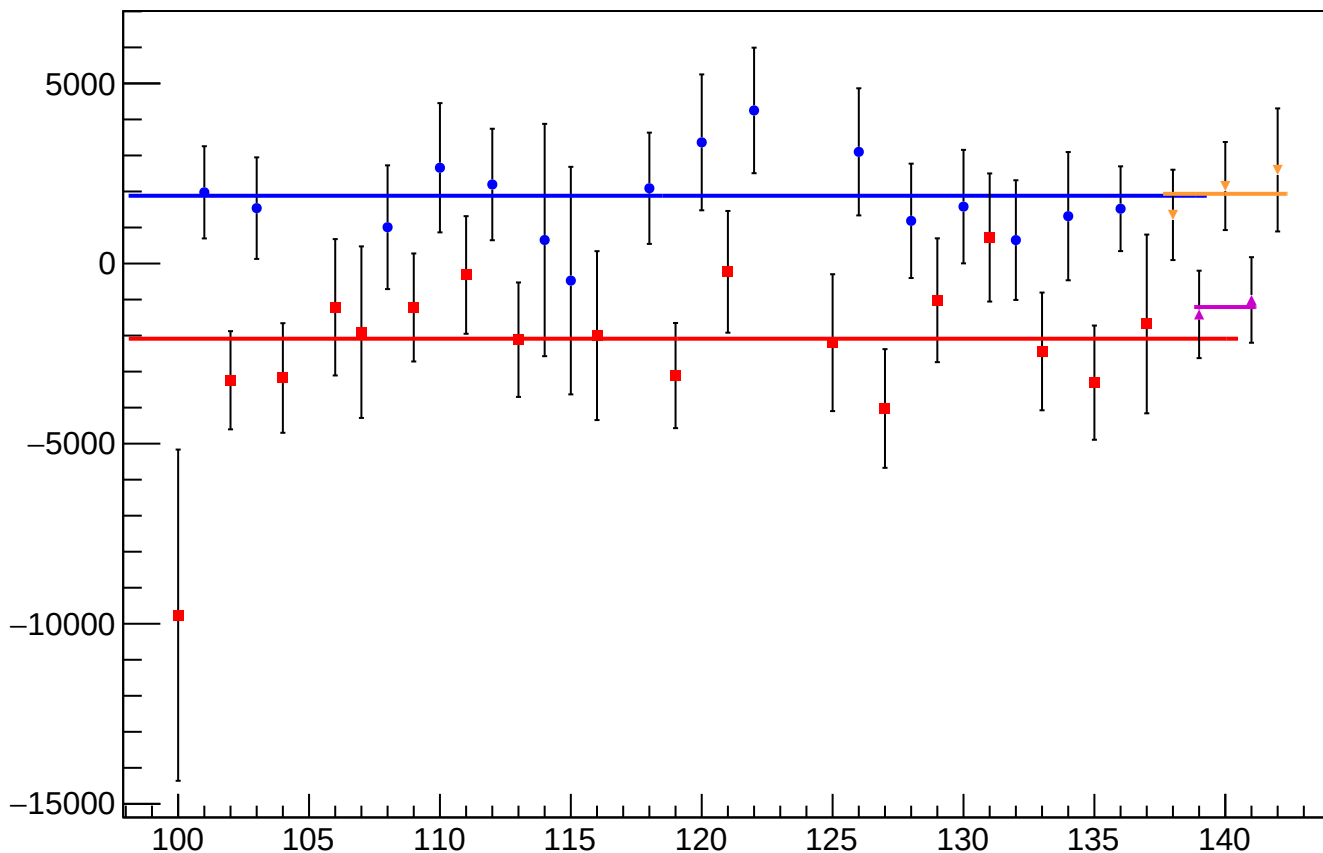
Left In: 1537.080 $\pm$ 0.831 χ^2 /NDF: 5644.9/1

+ sign 965.463 $\pm$ 0.236 χ^2 /NDF: 1653804.9/18

All: 960.499 $\pm$ 0.167 χ^2 /NDF: 3533675.2/38

- sign 955.454 $\pm$ 0.237 χ^2 /NDF: 1878974.8/19

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1935.133+/-778.885 χ^2/NDF : 0.4/2

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

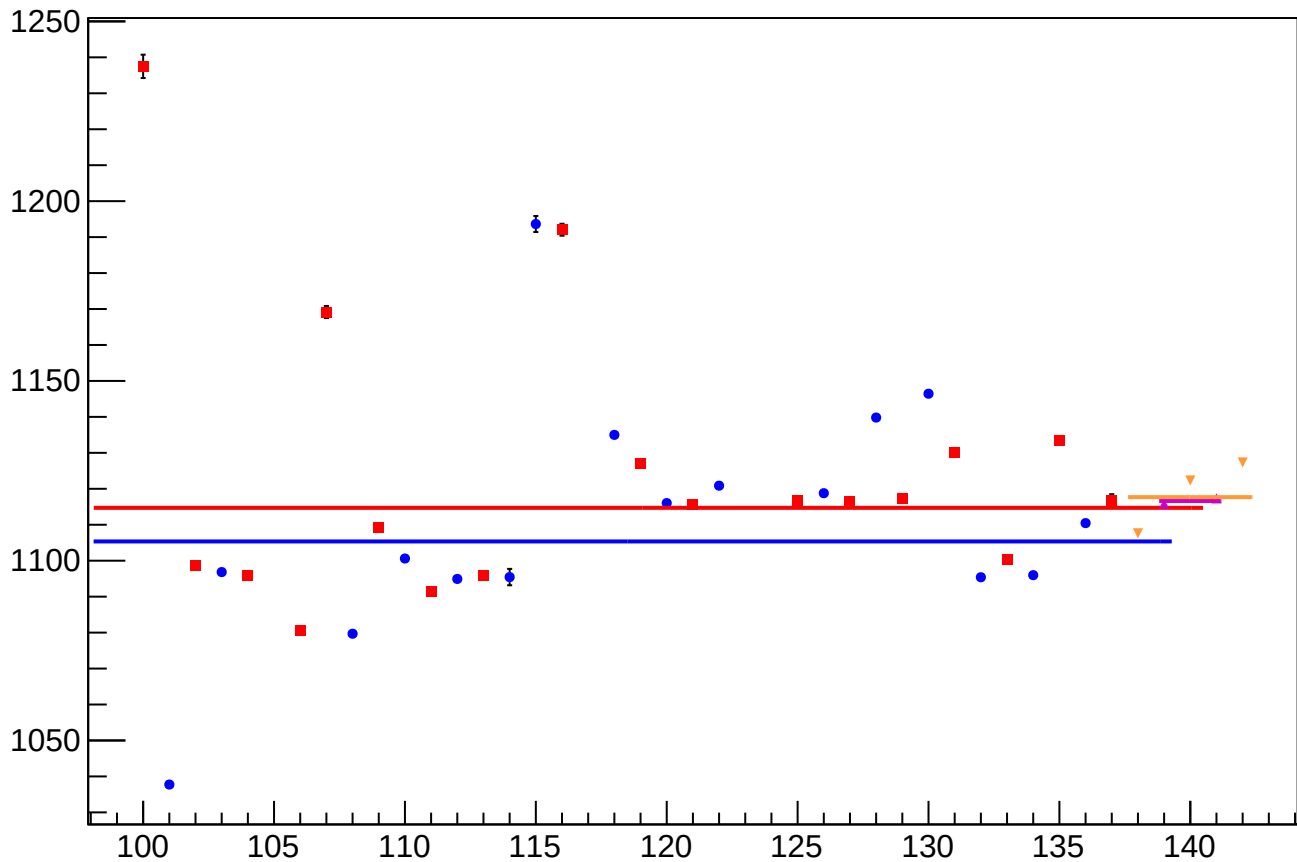
Left In: -1207.576+/-848.745 χ^2/NDF : 0.1/1

+ sign 1893.186+/-363.290 χ^2/NDF : 5.6/18

All: 20.219+/-259.140 χ^2/NDF : 73.0/38

- sign -1920.000+/-369.755 χ^2/NDF : 13.3/19

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1117.683 $\pm$ 0.551 χ^2 /NDF:221.3/2

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

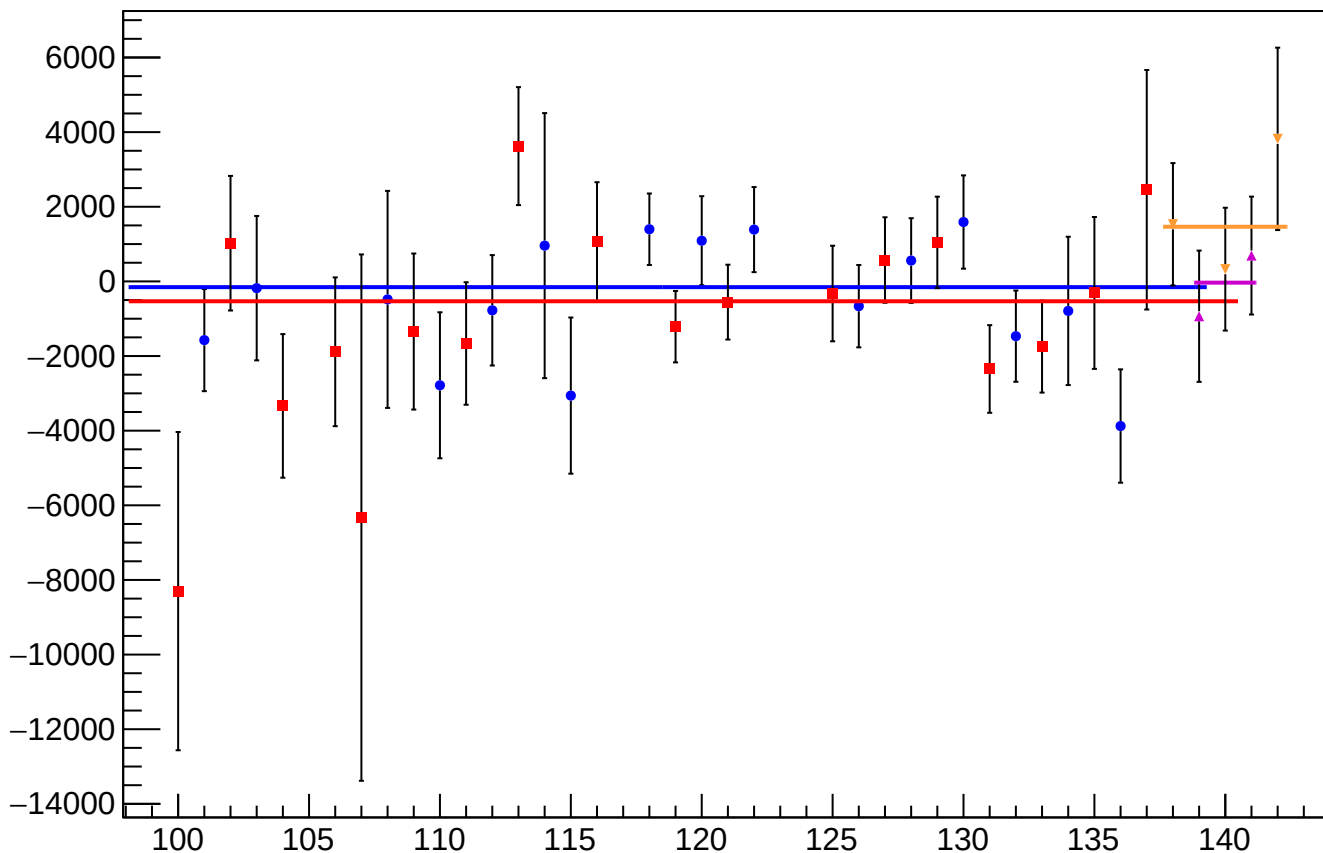
Left In: 1116.611 $\pm$ 0.600 χ^2 /NDF:1.5/1

+ sign 1108.037 $\pm$ 0.257 χ^2 /NDF: 11944.3/18

All: 1111.490 $\pm$ 0.183 χ^2 /NDF: 19652.0/38

- sign 1115.067 $\pm$ 0.261 χ^2 /NDF: 7339.9/19

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: 1464.059 ± 1048.888 χ^2/NDF : 1.4/2

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

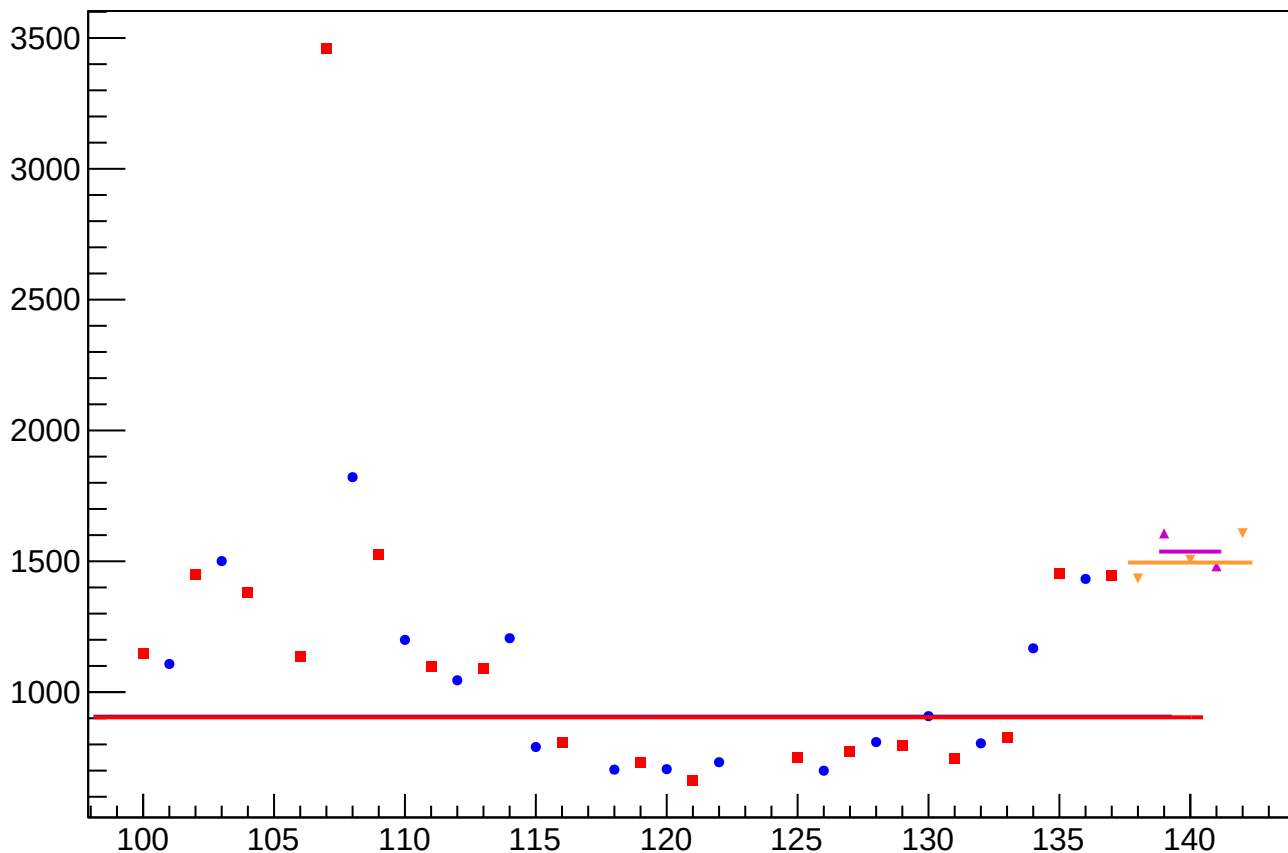
Left In: -33.577 ± 1175.293 χ^2/NDF : 0.5/1

+ sign 9.216 ± 333.127 χ^2/NDF : 24.0/18

All: -239.119 ± 236.496 χ^2/NDF : 49.0/38

- sign -491.454 ± 335.799 χ^2/NDF : 23.9/19

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1495.183 $\pm$ 0.742 χ^2 /NDF: 7034.0/2

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

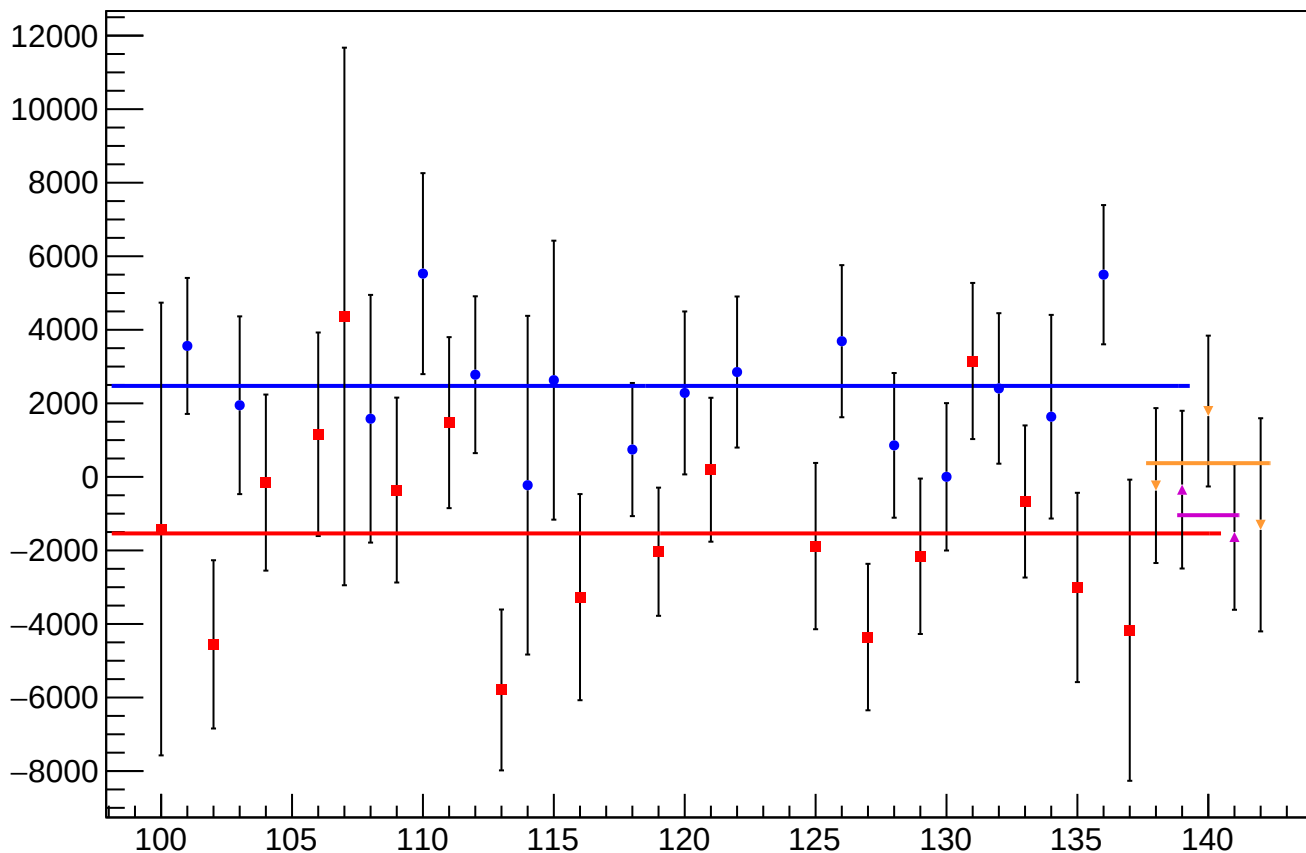
Left In: 1537.082 $\pm$ 0.831 χ^2 /NDF: 5645.0/1

+ sign 965.461 $\pm$ 0.236 χ^2 /NDF: 1653815.8/18

All: 960.497 $\pm$ 0.167 χ^2 /NDF: 3533695.3/38

- sign 955.452 $\pm$ 0.237 χ^2 /NDF: 1878983.9/19

asym_usl_mean vs Slug



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

Left Out: 373.135 $\pm$ 1310.631 χ^2 /NDF:0.9/2

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

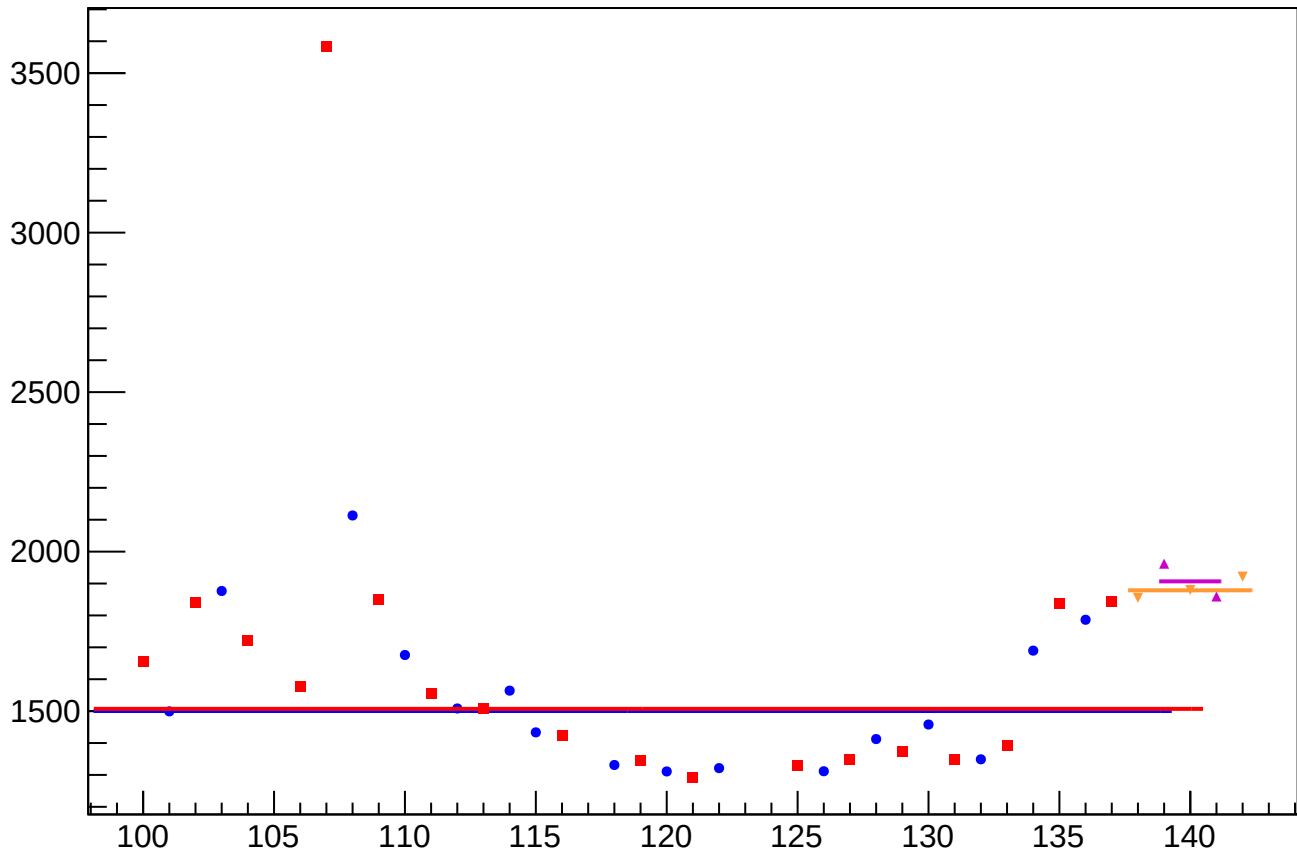
Left In: -1041.686 $\pm$ 1454.860 χ^2 /NDF:0.2/1

+ sign 2146.983 $\pm$ 517.134 χ^2 /NDF: 11.3/18

All: 366.183 $\pm$ 368.594 χ^2 /NDF: 54.2/38

- sign -1472.754 $\pm$ 525.508 χ^2 /NDF: 18.8/19

asym_usl_rms vs Slug



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

Left Out: 1878.721+/-0.927 χ^2/NDF : 686.7/2

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

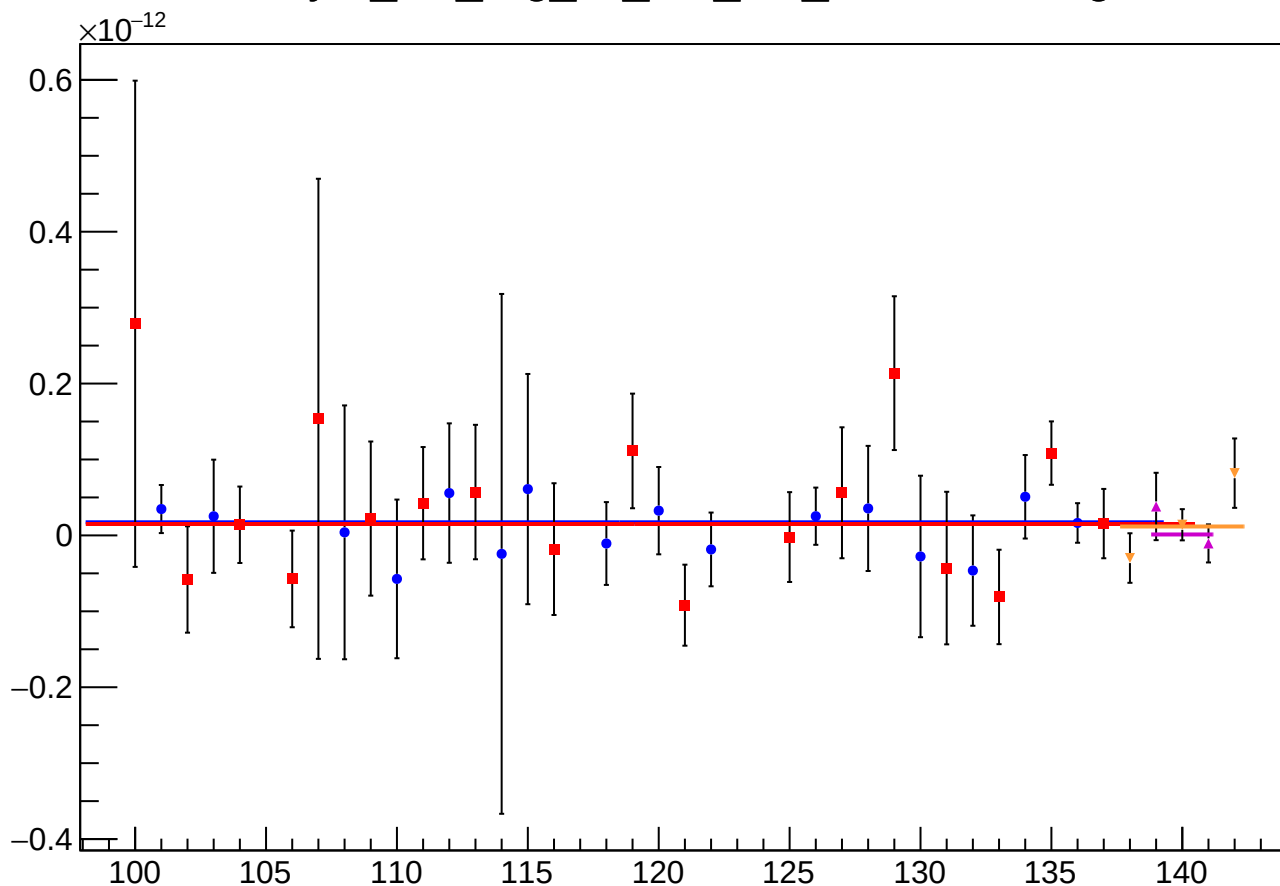
Left In: 1906.768+/-1.029 χ^2/NDF : 2479.8/1

+ sign 1559.279+/-0.366 χ^2/NDF : 400196.9/18

All: 1559.262+/-0.261 χ^2/NDF : 935146.8/38

- sign 1559.243+/-0.372 χ^2/NDF : 534949.8/19

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 3.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 4.0/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.3/17

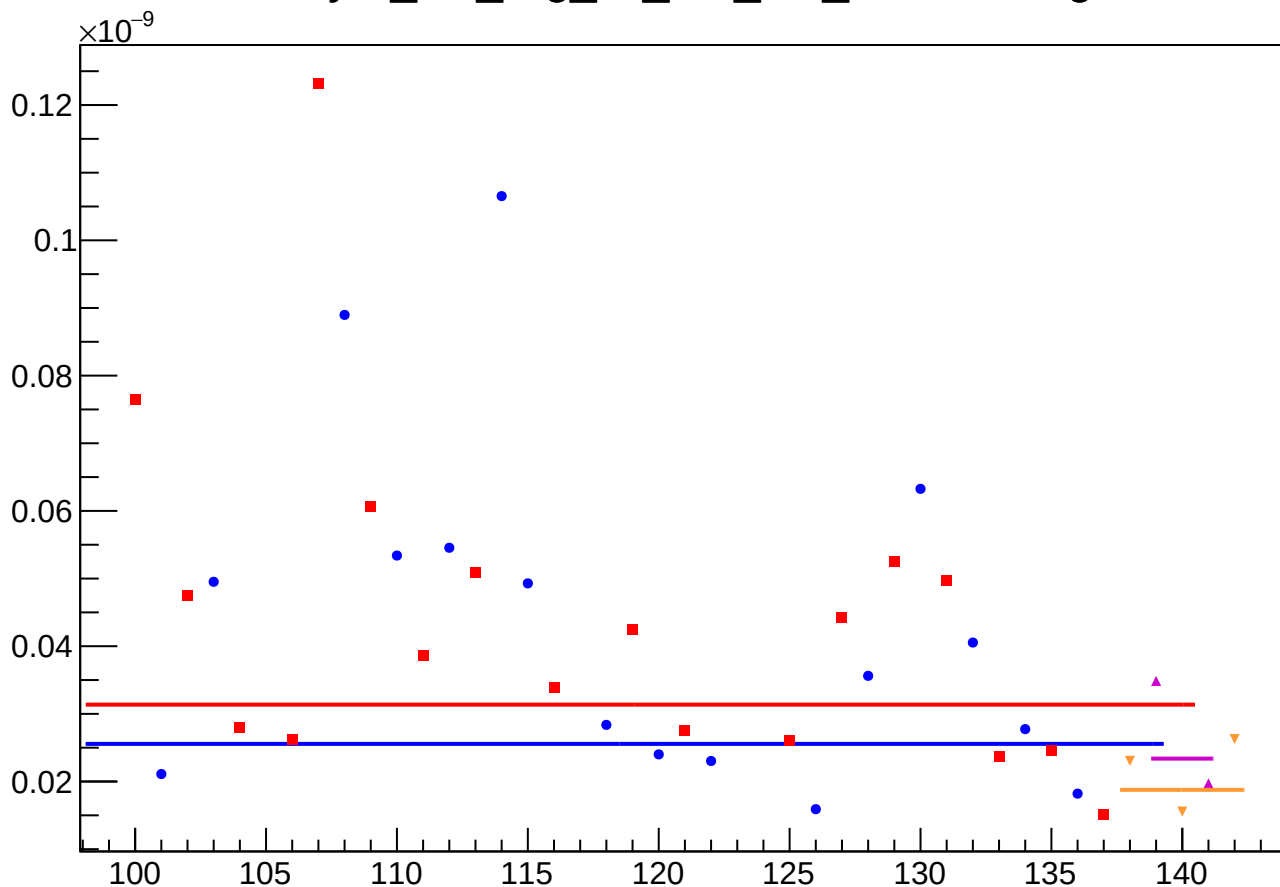
Left In: 0.000 ± 0.000 χ^2/NDF : 0.9/1

+ sign 0.000 ± 0.000 χ^2/NDF : 7.5/18

All: 0.000 ± 0.000 χ^2/NDF : 30.0/38

- sign 0.000 ± 0.000 χ^2/NDF : 22.5/19

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 :137462.1/2

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

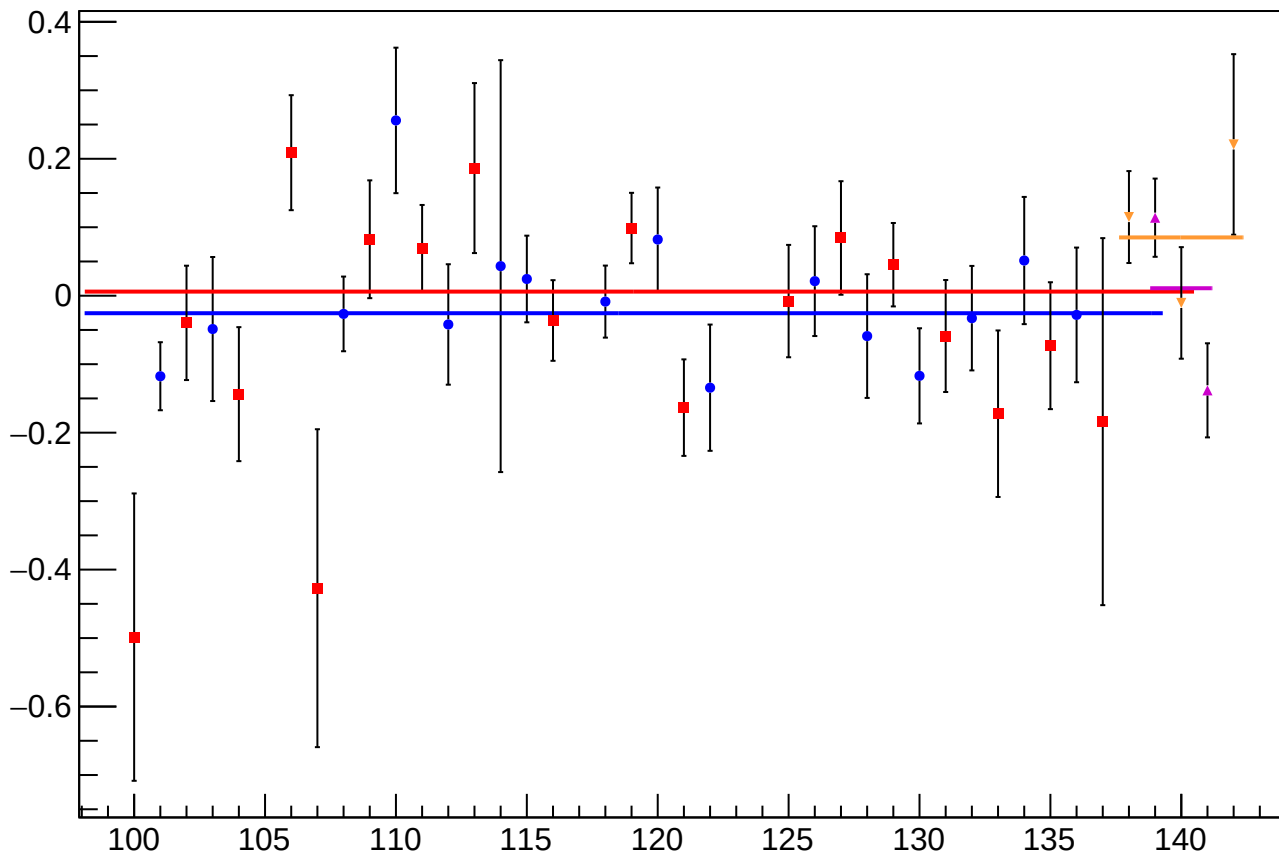
Left In: 0.000+/-0.000 χ^2/NDF :176686.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 2051905.8/18

All: 0.000+/-0.000 χ^2/NDF : 3871205.4/38

- sign 0.000+/-0.000 χ^2/NDF : 1577811.0/19

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.085 ± 0.048 χ^2/NDF : 2.6/2

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

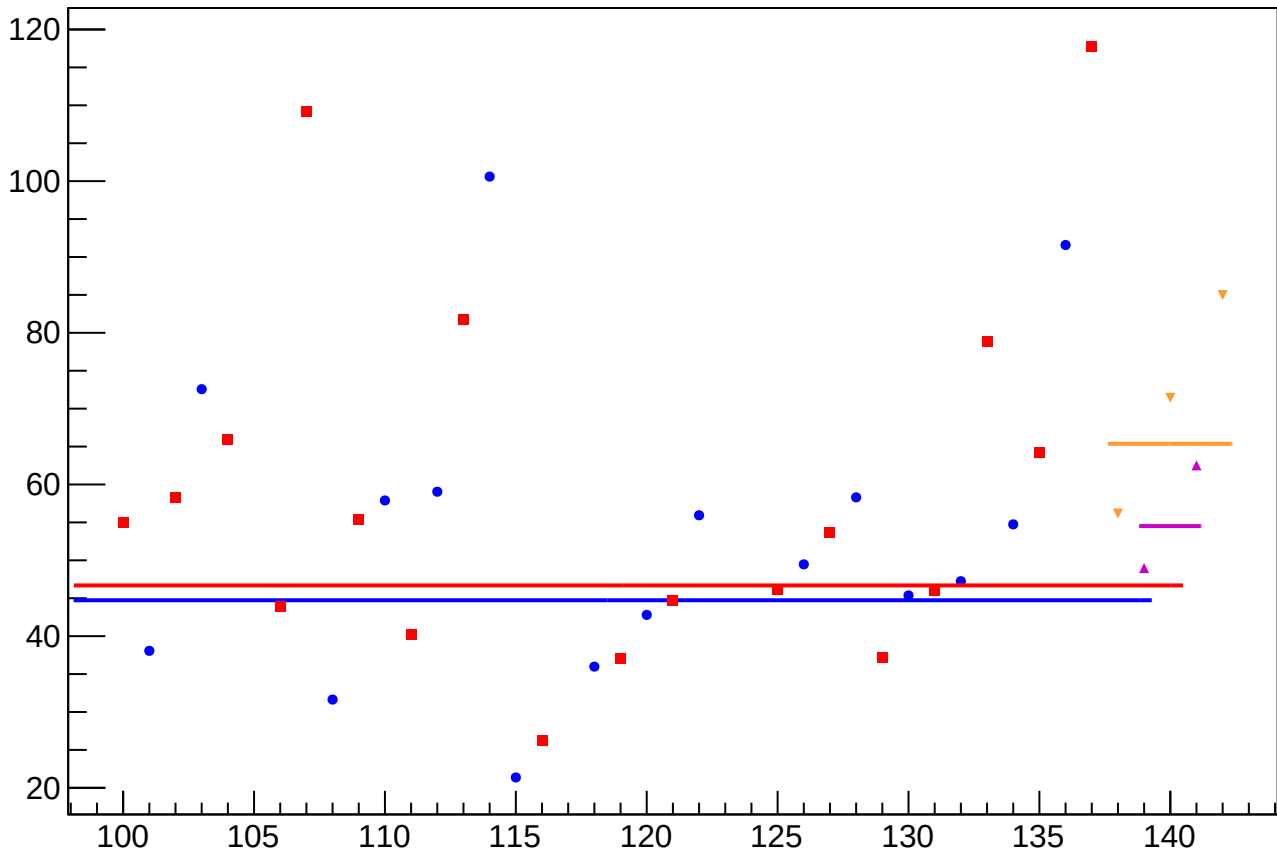
Left In: 0.011 ± 0.044 χ^2/NDF : 8.0/1

+ sign -0.011 ± 0.017 χ^2/NDF : 24.8/18

All: -0.002 ± 0.012 χ^2/NDF : 69.9/38

- sign 0.007 ± 0.018 χ^2/NDF : 44.5/19

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 65.366+/-0.034 χ^2/NDF : 92900.4/2

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

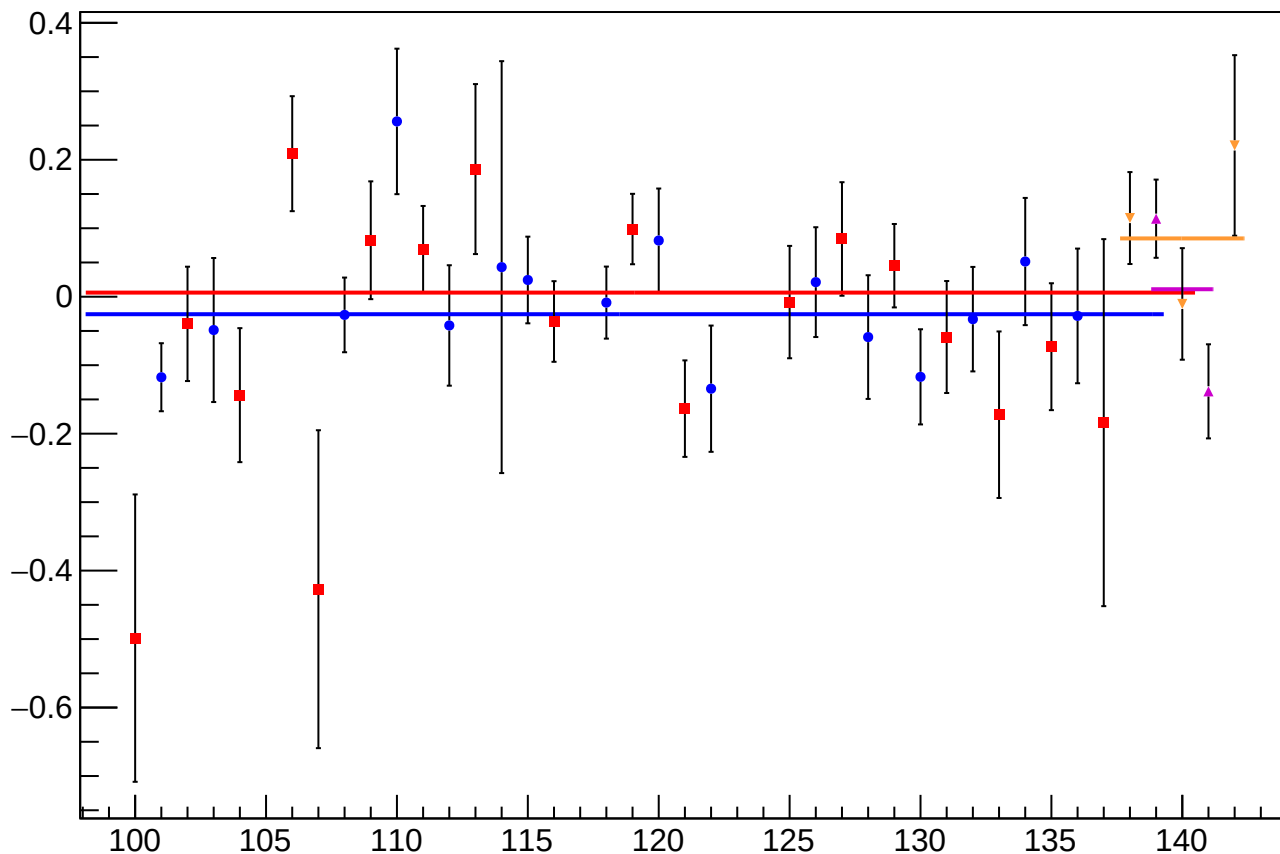
Left In: 54.518+/-0.031 χ^2/NDF : 45944.2/1

+ sign 47.447+/-0.012 χ^2/NDF : 1745410.6/18

All: 47.704+/-0.009 χ^2/NDF : 3040846.3/38

- sign 47.967+/-0.013 χ^2/NDF : 1294563.0/19

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.085 ± 0.048 χ^2/NDF : 2.6/2

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

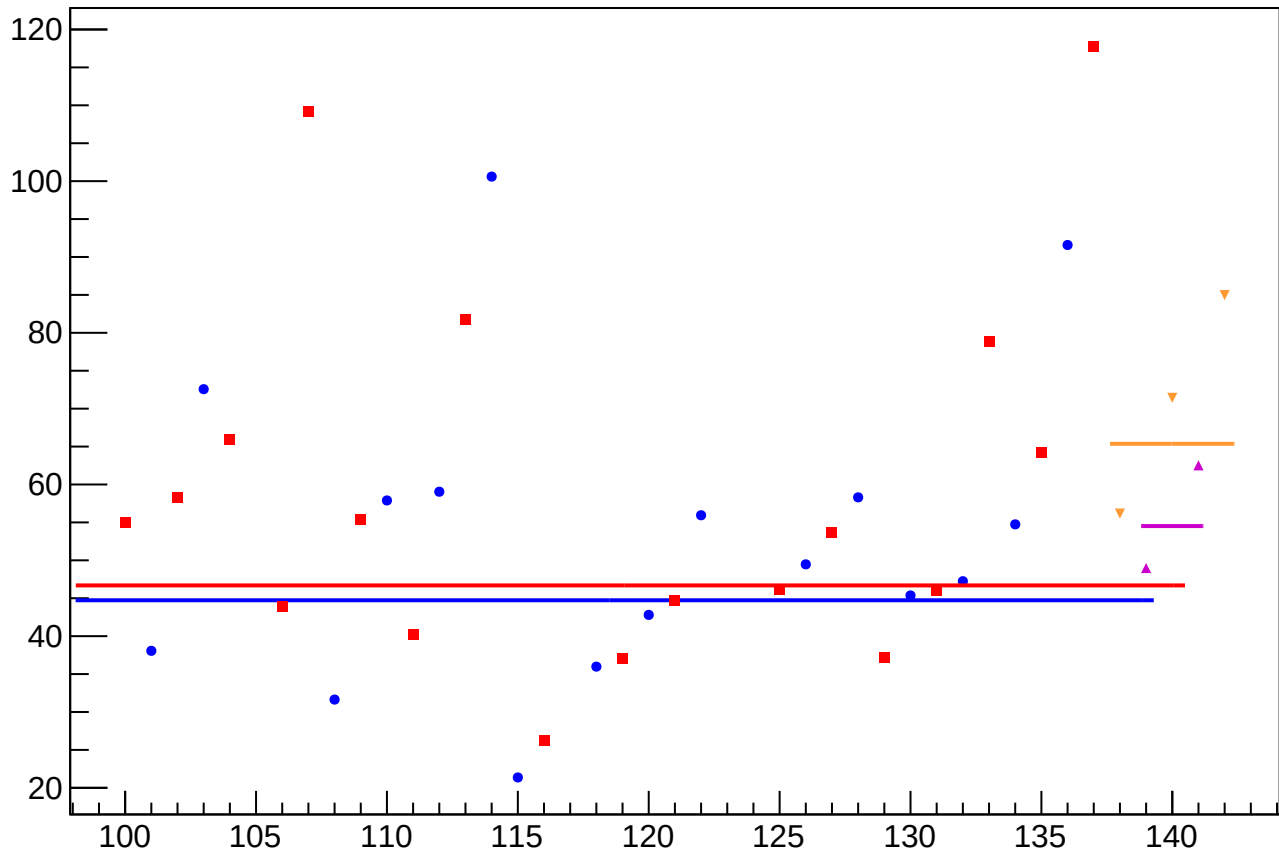
Left In: 0.011 ± 0.044 χ^2/NDF : 8.0/1

+ sign -0.011 ± 0.017 χ^2/NDF : 24.8/18

All: -0.002 ± 0.012 χ^2/NDF : 69.9/38

- sign 0.007 ± 0.018 χ^2/NDF : 44.5/19

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: 65.366 $\pm$ 0.034 χ^2 /NDF: 92900.4/2

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

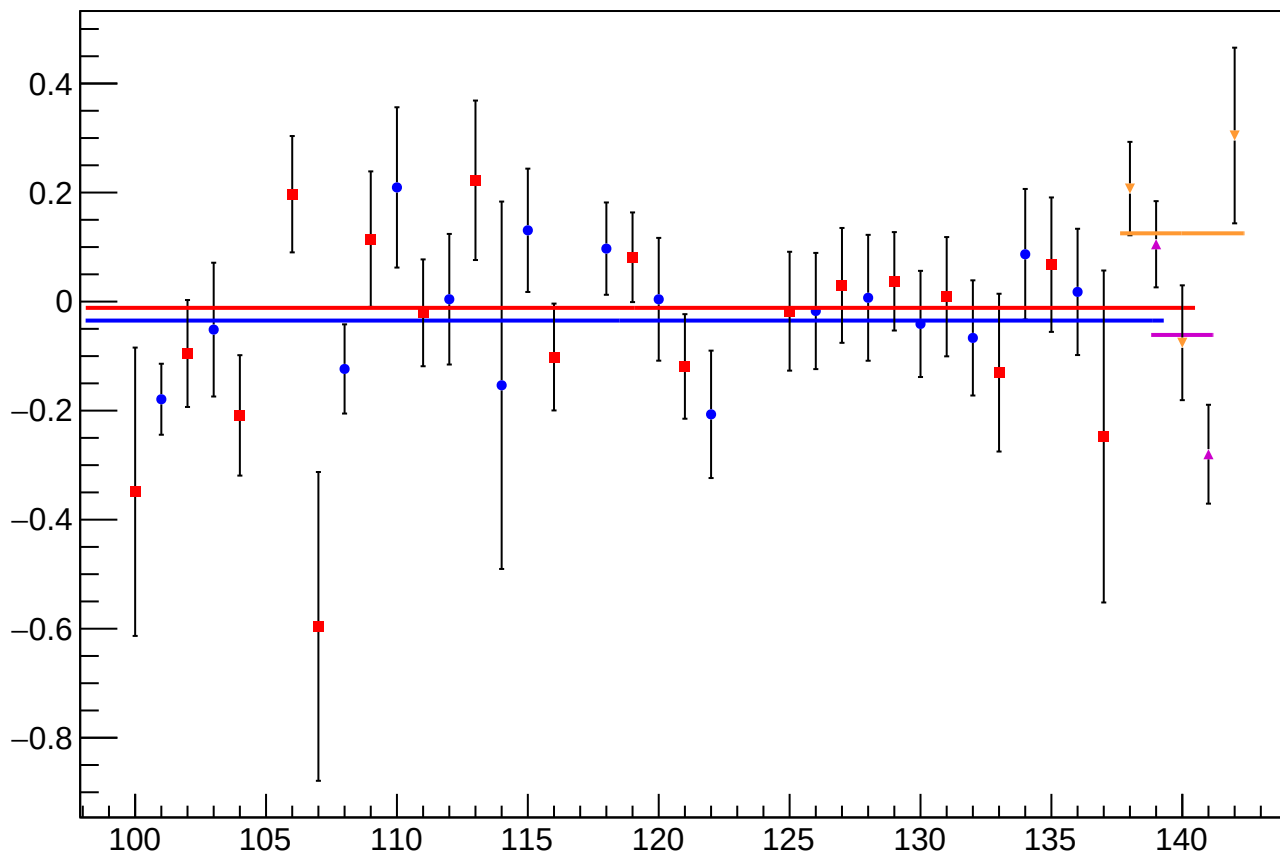
Left In: 54.518 $\pm$ 0.031 χ^2 /NDF: 45944.2/1

+ sign 47.447 $\pm$ 0.012 χ^2 /NDF: 1745410.6/18

All: 47.704 $\pm$ 0.009 χ^2 /NDF: 3040846.3/38

- sign 47.967 $\pm$ 0.013 χ^2 /NDF: 1294563.0/19

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: 0.125 ± 0.061 χ^2/NDF : 5.8/2

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

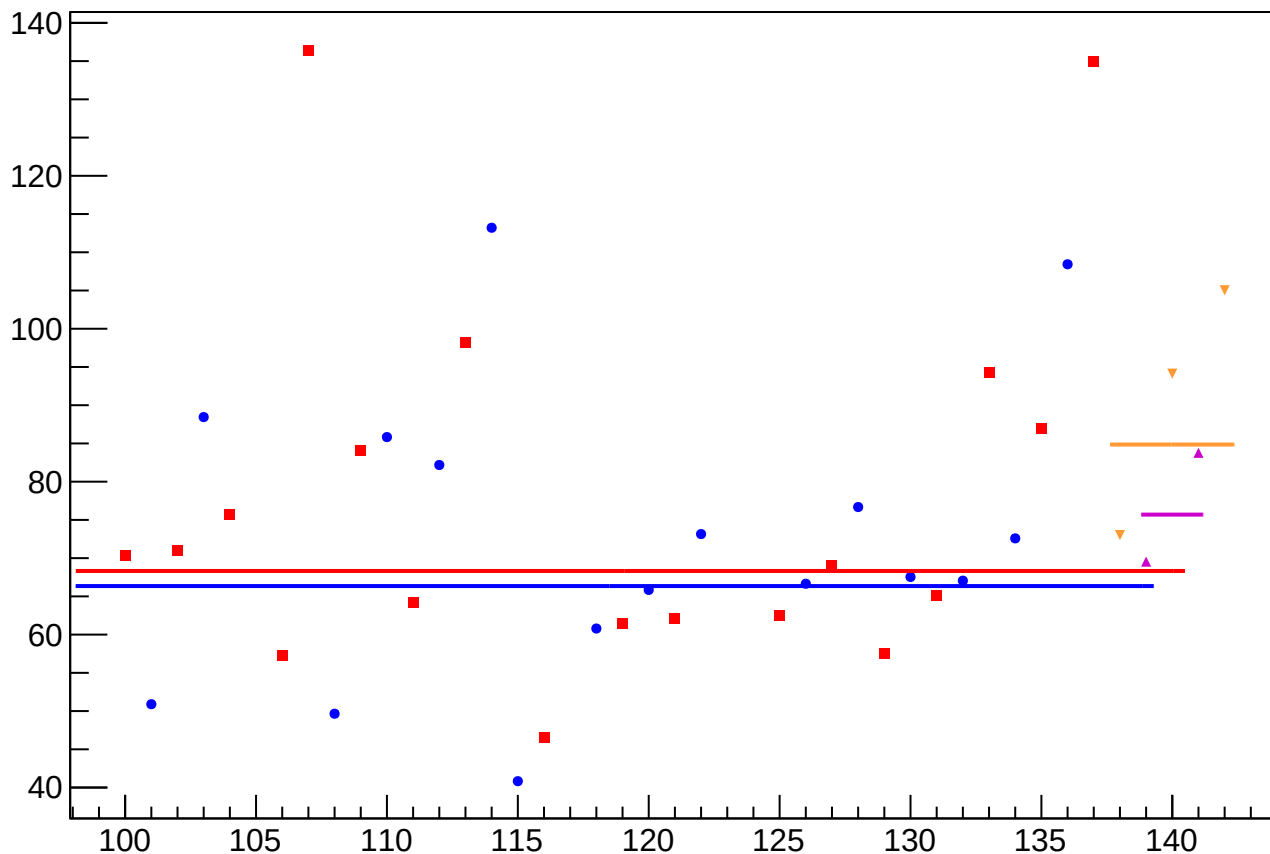
Left In: -0.061 ± 0.060 χ^2/NDF : 10.2/1

+ sign -0.010 ± 0.024 χ^2/NDF : 29.0/18

All: -0.015 ± 0.017 χ^2/NDF : 62.6/38

- sign -0.020 ± 0.025 χ^2/NDF : 33.6/19

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 84.857 +/- 0.043 χ^2/NDF : 85078.4/2

Right Out: 68.322 +/- 0.019 χ^2/NDF : 629670.0/17

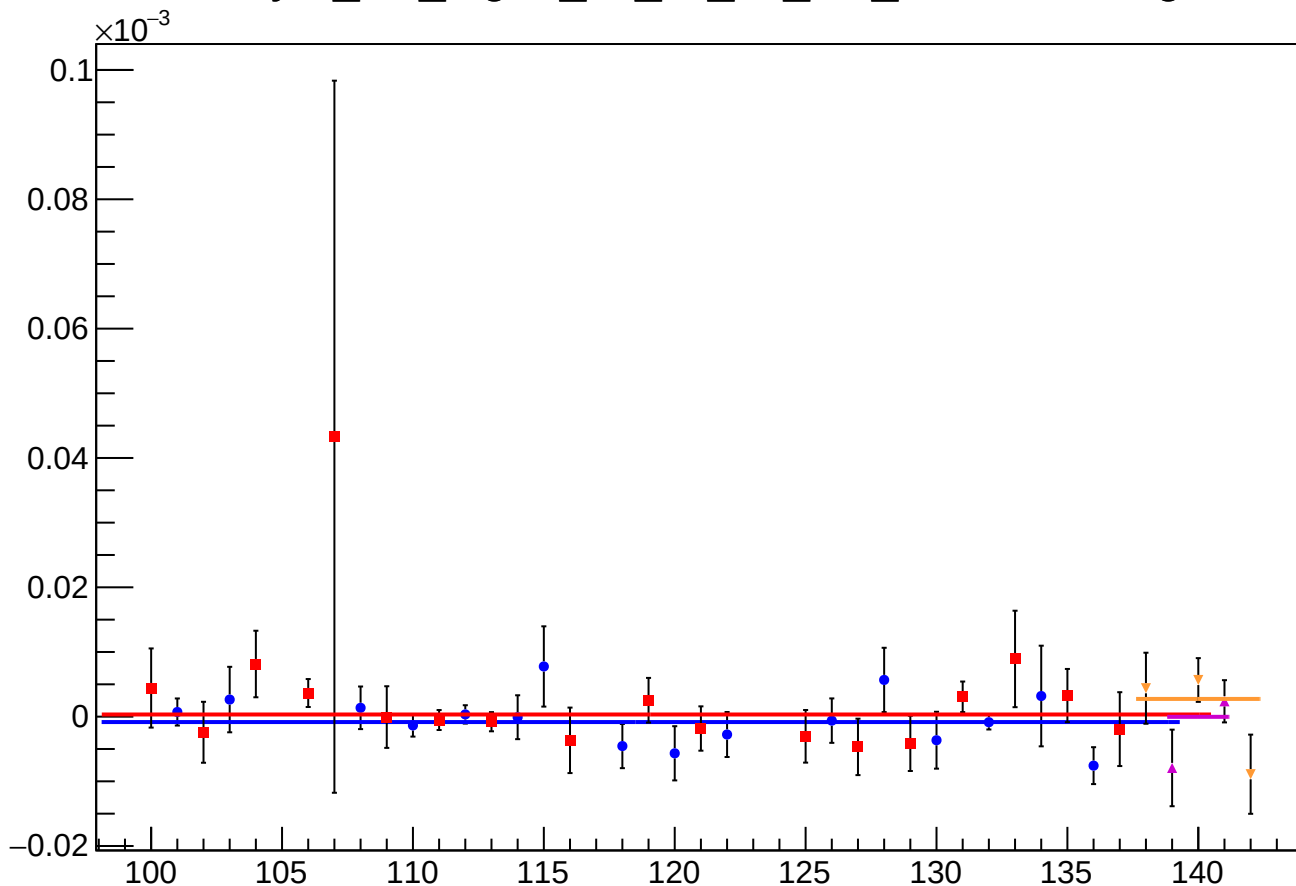
Left In: 75.693 +/- 0.042 χ^2/NDF : 27997.6/1

+ sign 69.210 +/- 0.017 χ^2/NDF : 1011219.4/18

All: 69.387 +/- 0.012 χ^2/NDF : 1694522.0/38

- sign 69.570 +/- 0.017 χ^2/NDF : 683084.7/19

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 : 4.5/2

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

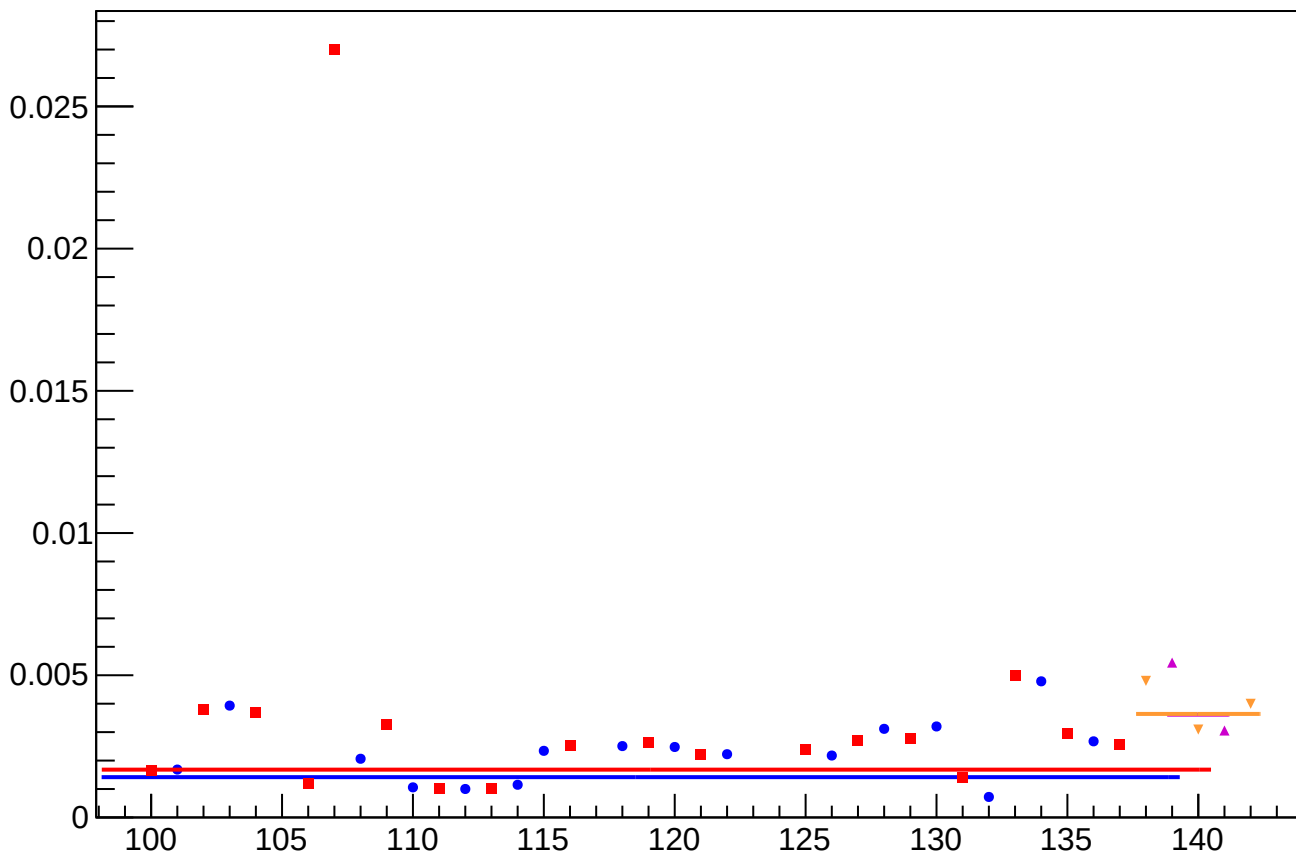
Left In: -0.000 ± 0.000 χ^2/NDF : 2.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 21.3/18

All: -0.000 ± 0.000 χ^2/NDF : 39.5/38

- sign 0.000 ± 0.000 χ^2/NDF : 17.1/19

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: 0.004 $\pm$ 0.000 χ^2 /NDF:149129.5/2

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

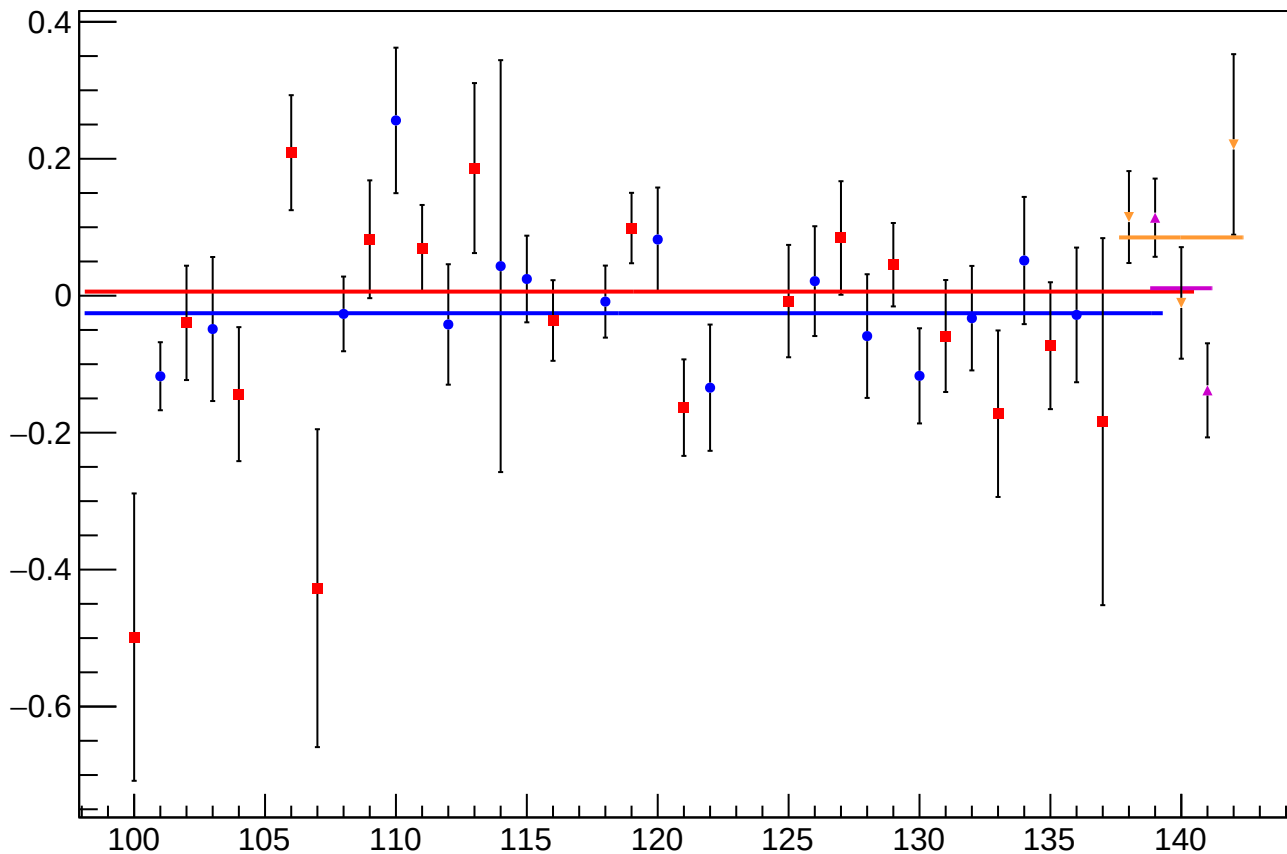
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:249436.1/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5074934.6/18

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 9773013.8/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4535723.4/19

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.085 ± 0.048 χ^2/NDF : 2.6/2

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

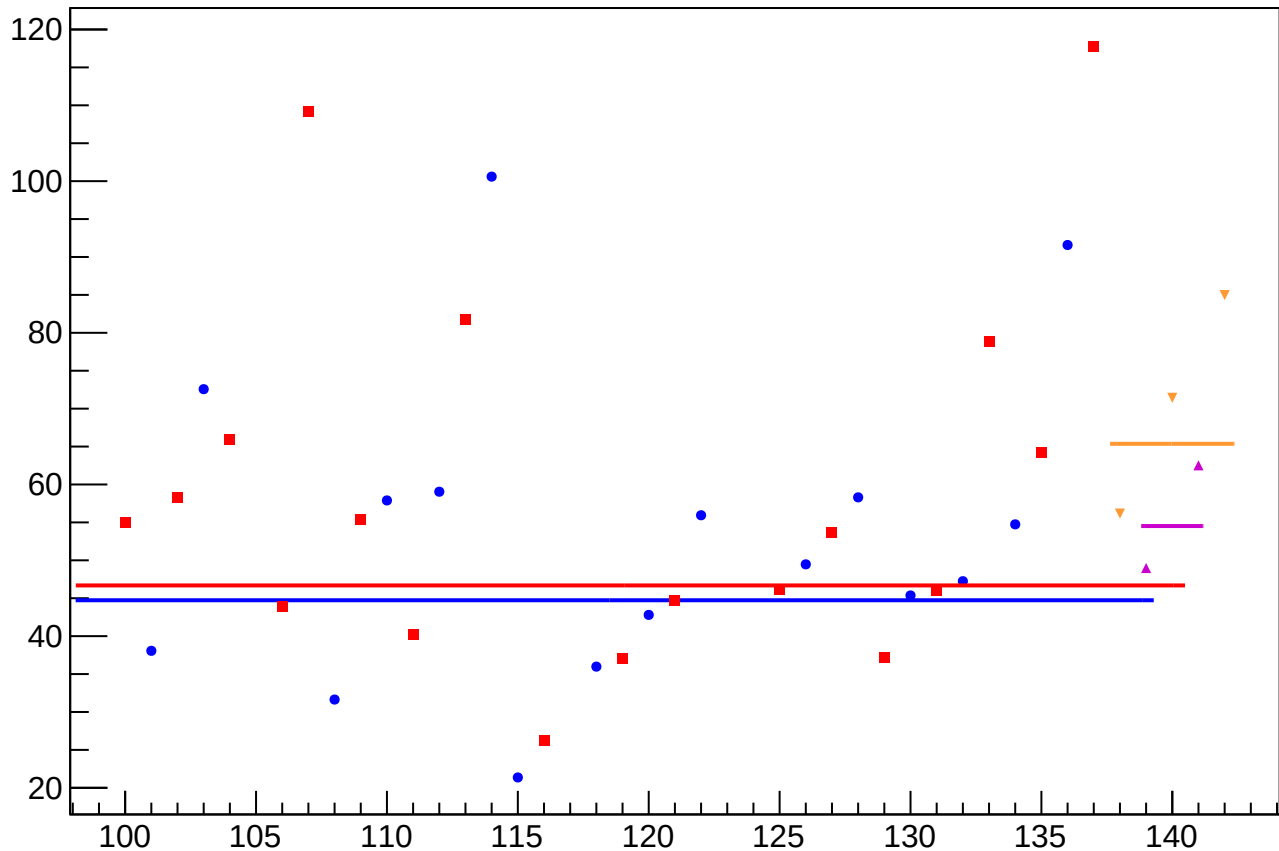
Left In: 0.011 ± 0.044 χ^2/NDF : 8.0/1

+ sign -0.011 ± 0.017 χ^2/NDF : 24.8/18

All: -0.002 ± 0.012 χ^2/NDF : 69.9/38

- sign 0.007 ± 0.018 χ^2/NDF : 44.5/19

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: 65.365 $\pm$ 0.034 χ^2 /NDF: 92907.4/2

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

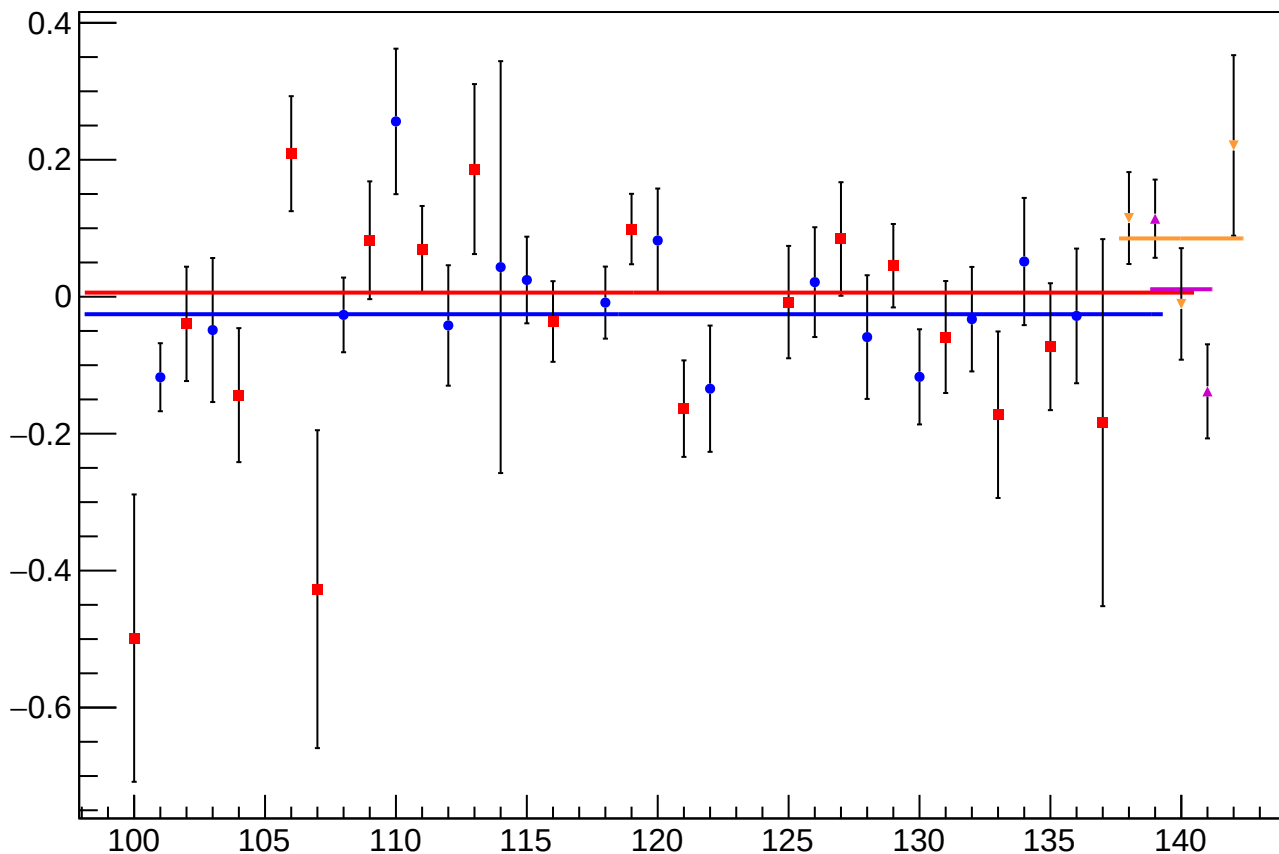
Left In: 54.518 $\pm$ 0.031 χ^2 /NDF: 45938.6/1

+ sign 47.446 $\pm$ 0.012 χ^2 /NDF: 1745497.2/18

All: 47.703 $\pm$ 0.009 χ^2 /NDF: 3040983.1/38

- sign 47.967 $\pm$ 0.013 χ^2 /NDF: 1294612.7/19

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: 0.085 ± 0.048 χ^2/NDF : 2.6/2

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

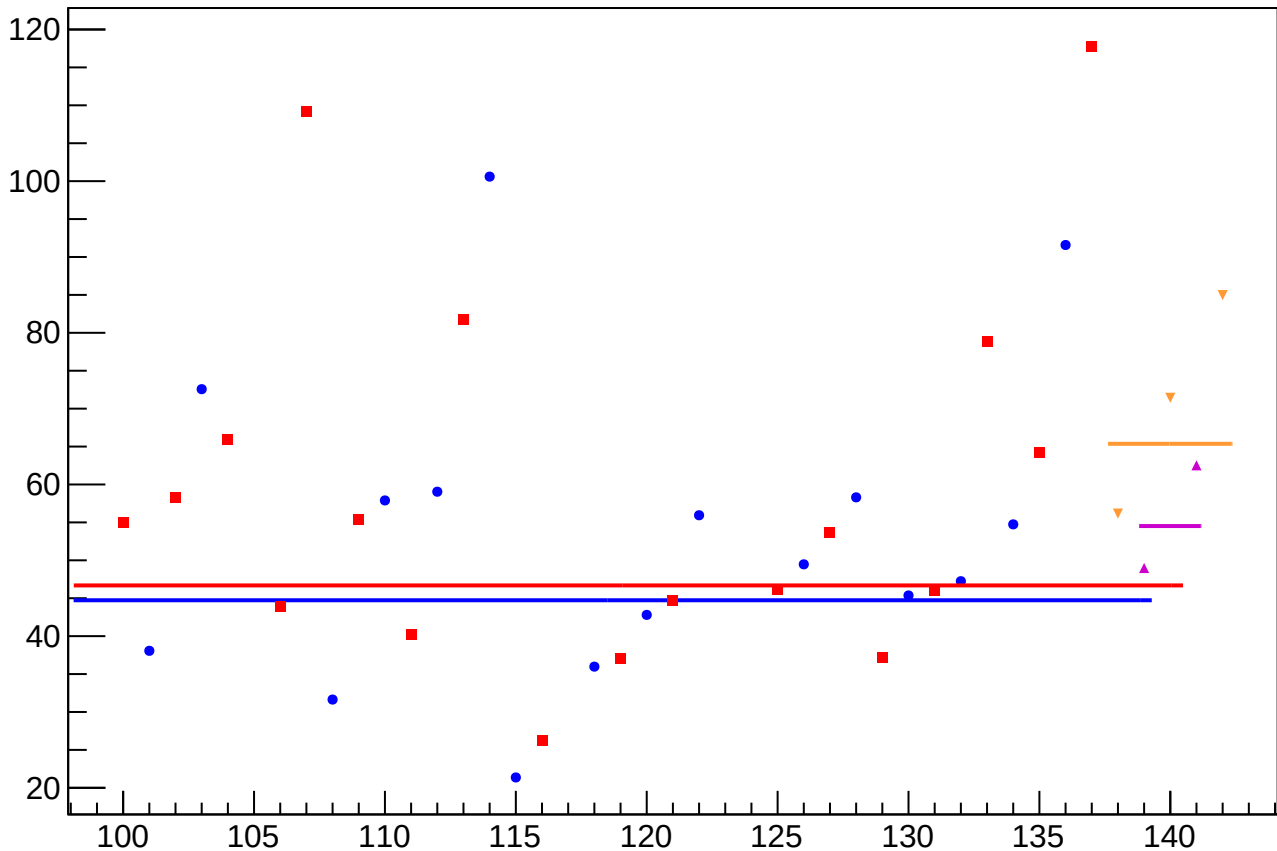
Left In: 0.011 ± 0.044 χ^2/NDF : 8.0/1

+ sign -0.011 ± 0.017 χ^2/NDF : 24.8/18

All: -0.002 ± 0.012 χ^2/NDF : 69.9/38

- sign 0.007 ± 0.018 χ^2/NDF : 44.5/19

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF : 1334604.0/15

Left Out: 65.365+/-0.034 χ^2/NDF : 92907.4/2

Right Out: 46.690+/-0.014 χ^2/NDF : 1195504.1/17

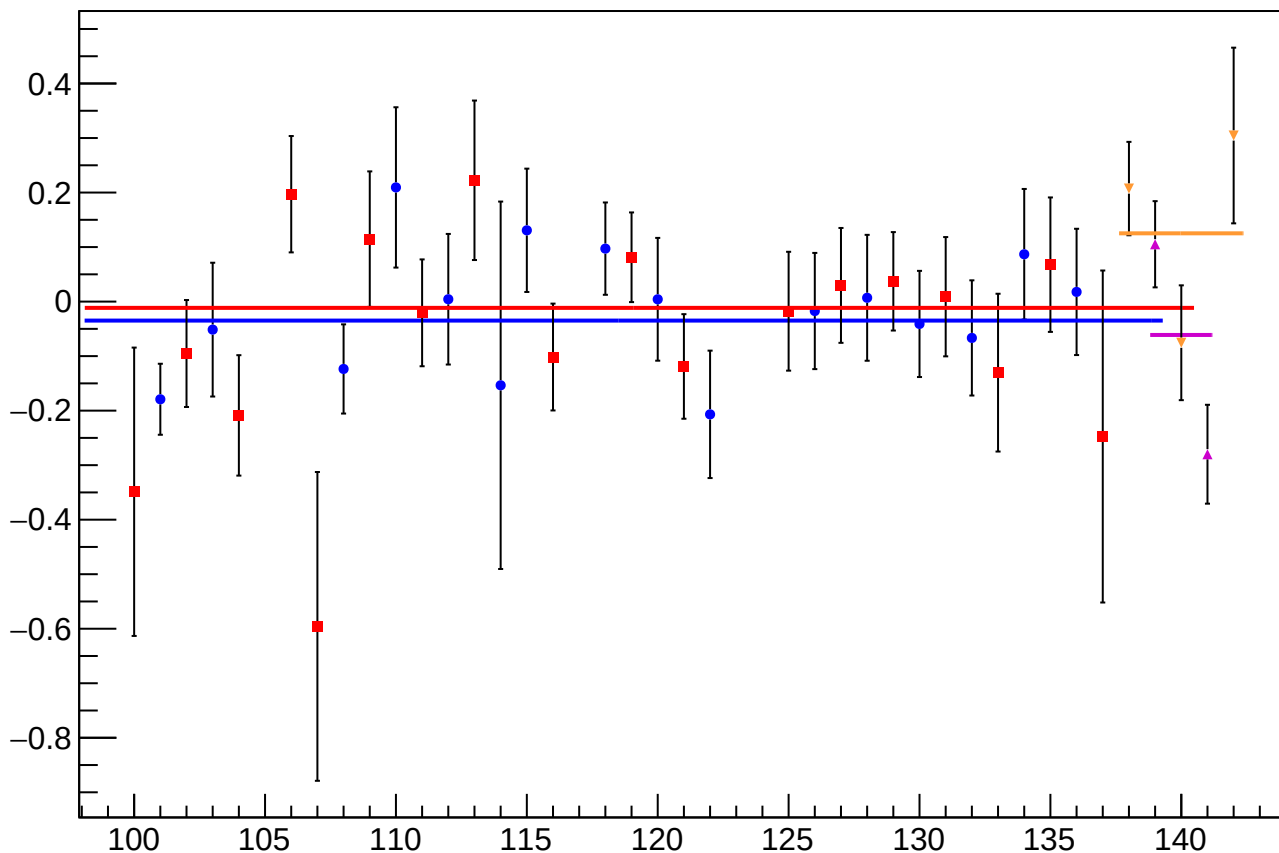
Left In: 54.518+/-0.031 χ^2/NDF : 45938.6/1

+ sign 47.446+/-0.012 χ^2/NDF : 1745497.2/18

All: 47.703+/-0.009 χ^2/NDF : 3040983.1/38

- sign 47.967+/-0.013 χ^2/NDF : 1294612.7/19

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: 0.125 ± 0.061 χ^2/NDF : 5.8/2

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

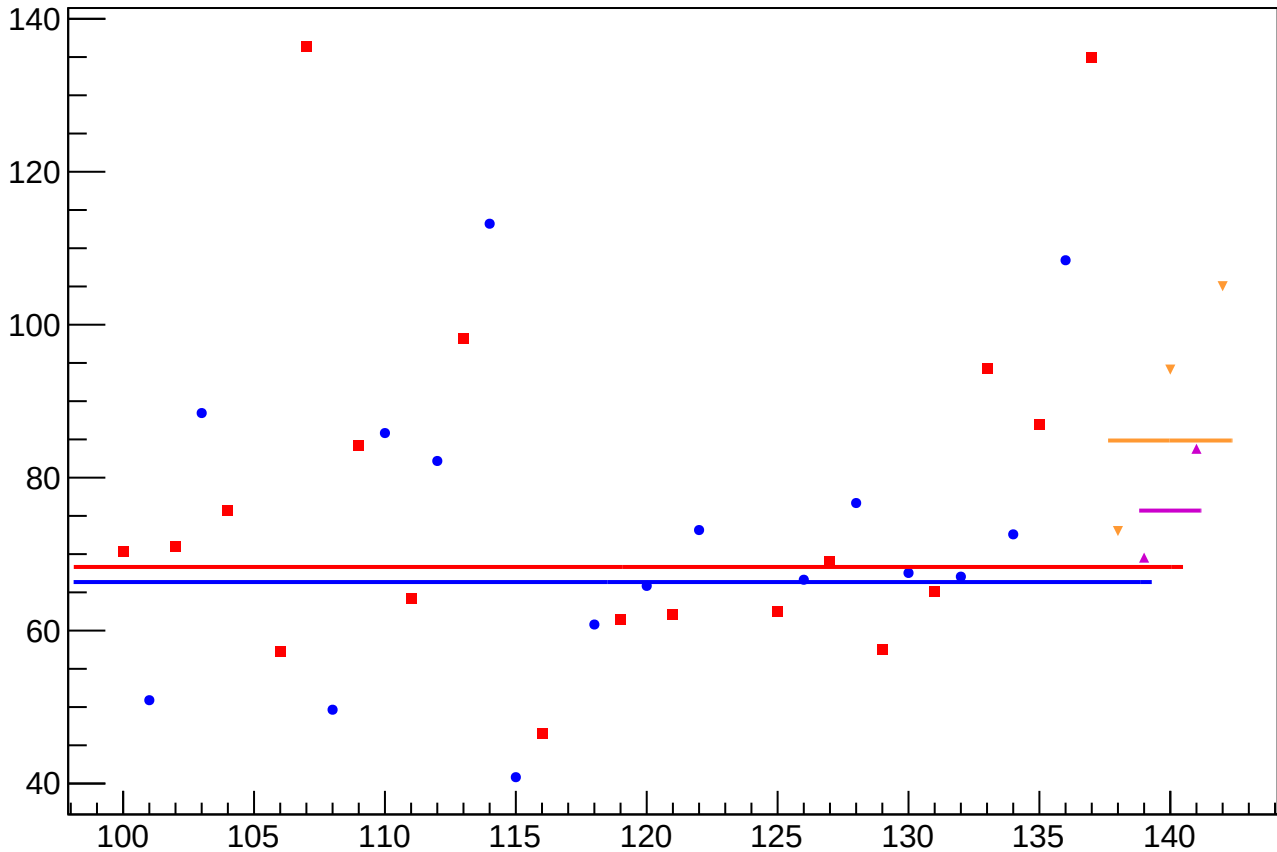
Left In: -0.061 ± 0.060 χ^2/NDF : 10.2/1

+ sign -0.010 ± 0.024 χ^2/NDF : 29.0/18

All: -0.015 ± 0.017 χ^2/NDF : 62.6/38

- sign -0.020 ± 0.025 χ^2/NDF : 33.6/19

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348 $\pm$ 0.019 χ^2/NDF : 772660.4/15

Left Out: 84.856 $\pm$ 0.043 χ^2/NDF : 85082.8/2

Right Out: 68.321 $\pm$ 0.019 χ^2/NDF : 629665.7/17

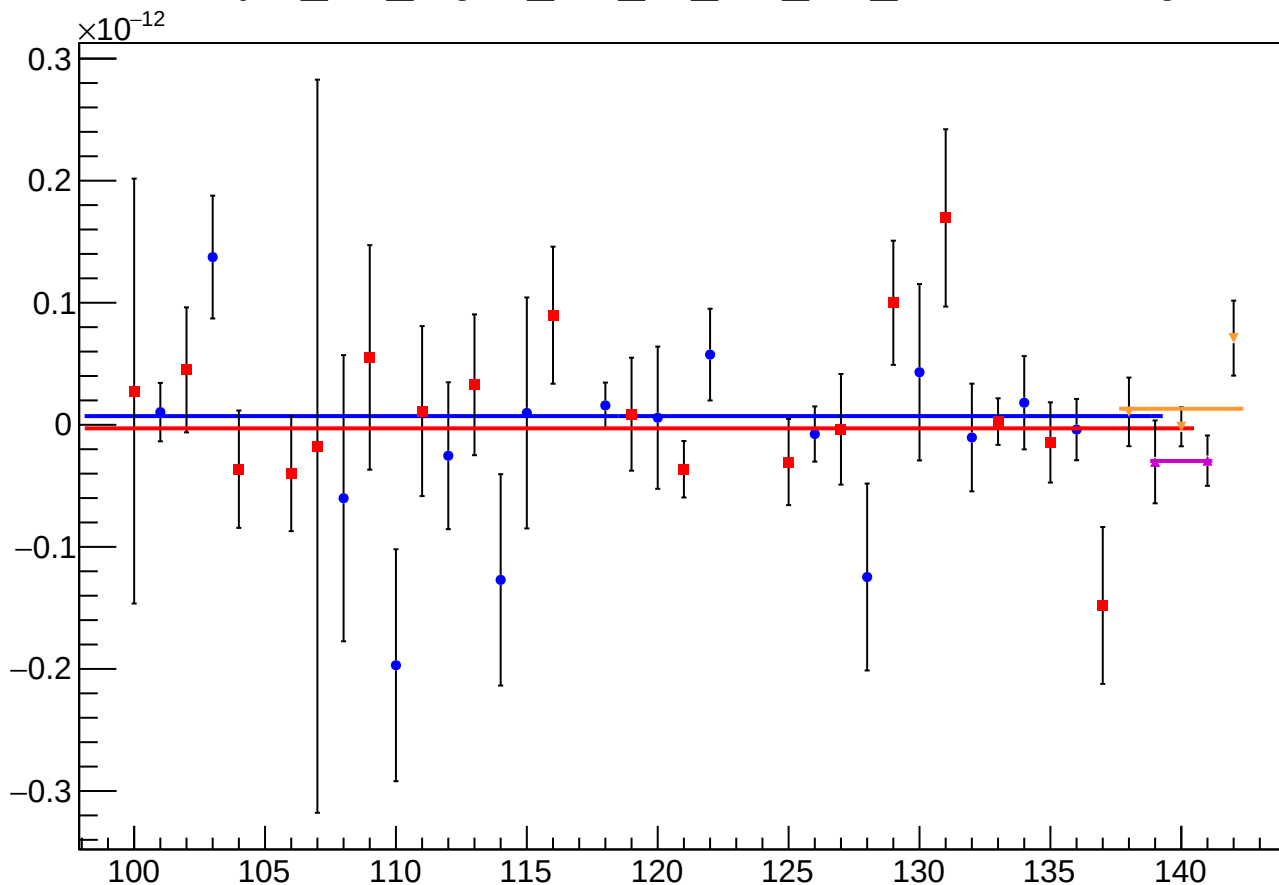
Left In: 75.693 $\pm$ 0.042 χ^2/NDF : 27994.6/1

+ sign 69.210 $\pm$ 0.017 χ^2/NDF : 1011235.2/18

All: 69.387 $\pm$ 0.012 χ^2/NDF : 1694537.1/38

- sign 69.569 $\pm$ 0.017 χ^2/NDF : 683084.2/19

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 : 4.4/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.4/17

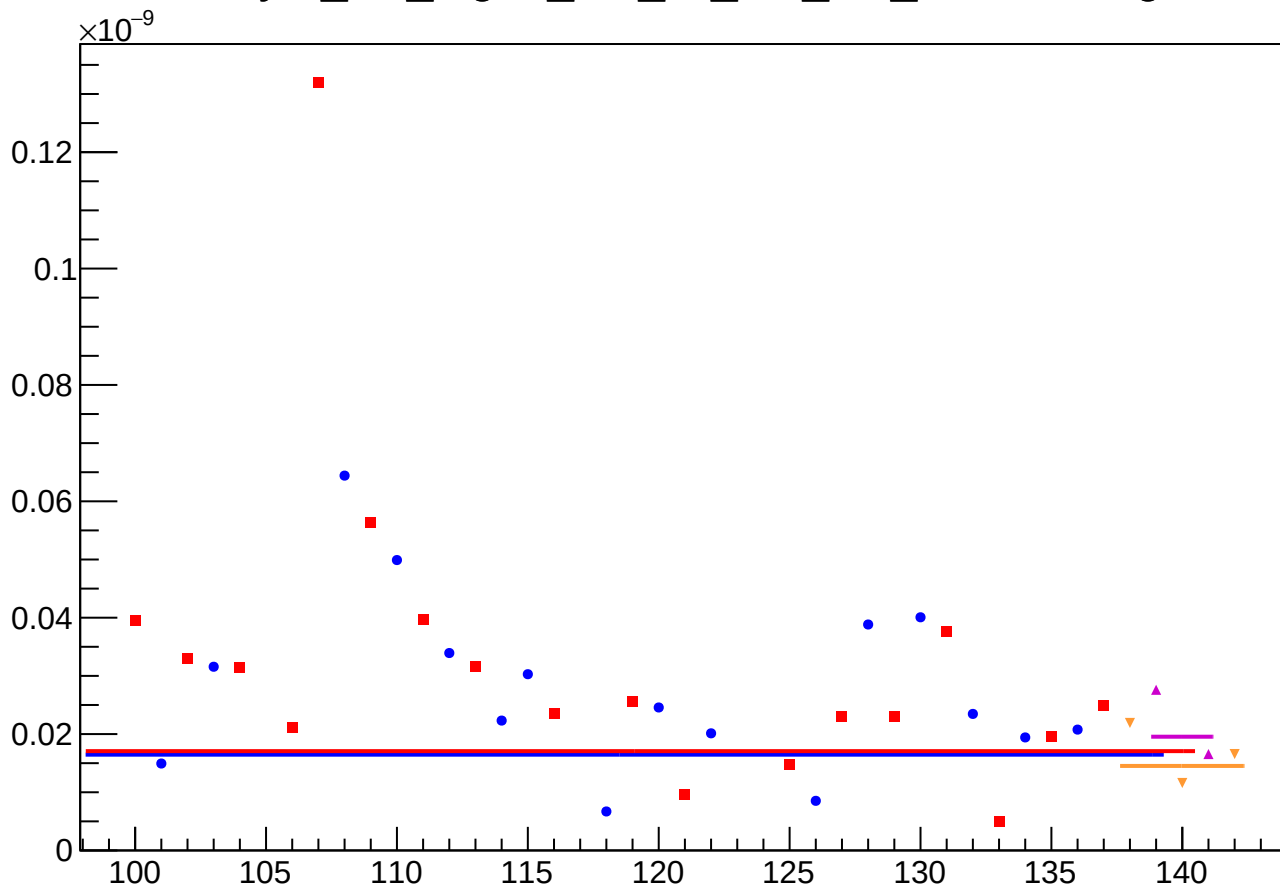
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 25.0/18

All: 0.000 ± 0.000 χ^2/NDF : 52.8/38

- sign -0.000 ± 0.000 χ^2/NDF : 25.1/19

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 :214500.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2791354.7/17

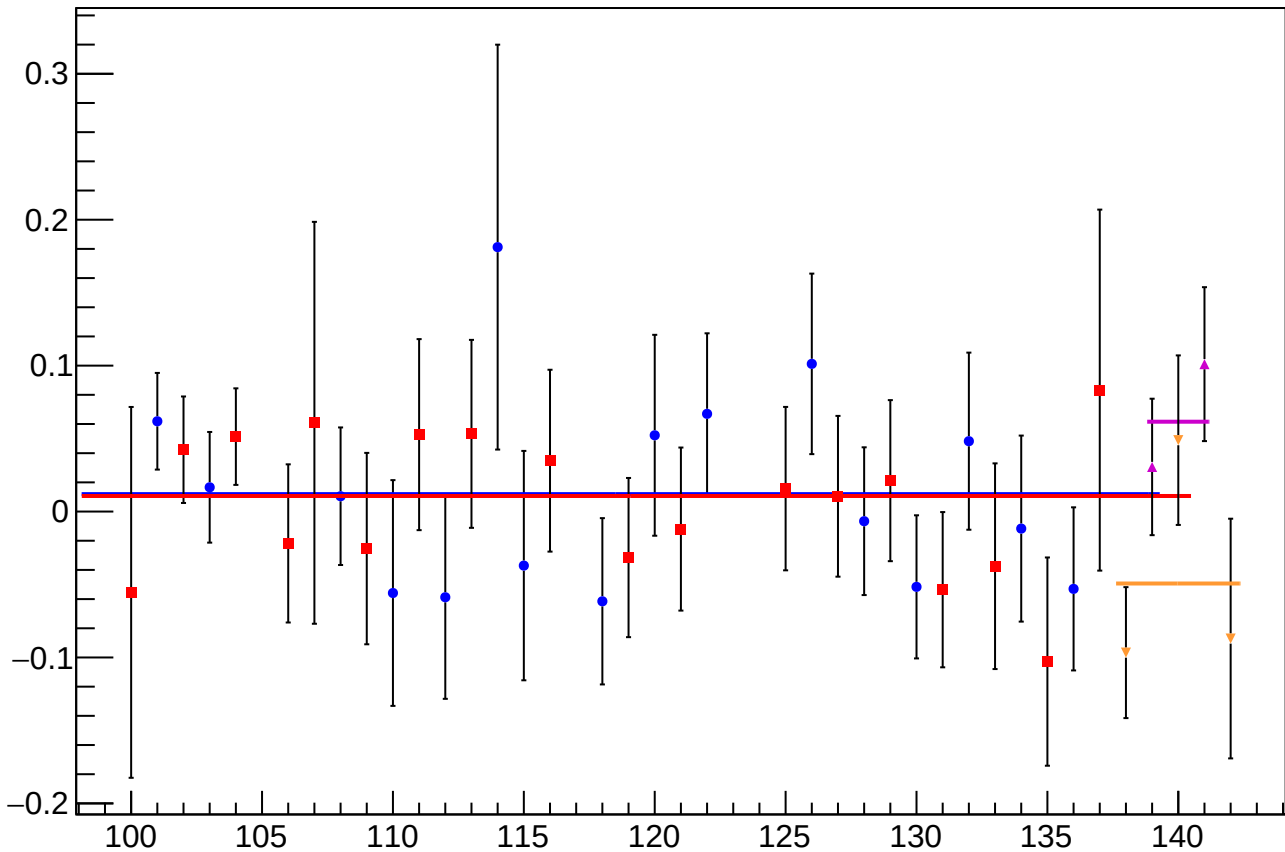
Left In: 0.000+/-0.000 χ^2/NDF :154745.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2591079.6/18

All: 0.000+/-0.000 χ^2/NDF : 5621352.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2976313.8/19

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012 ± 0.014 $\chi^2/\text{NDF}: 14.7/15$

Left Out: -0.049 ± 0.033 $\chi^2/\text{NDF}: 4.2/2$

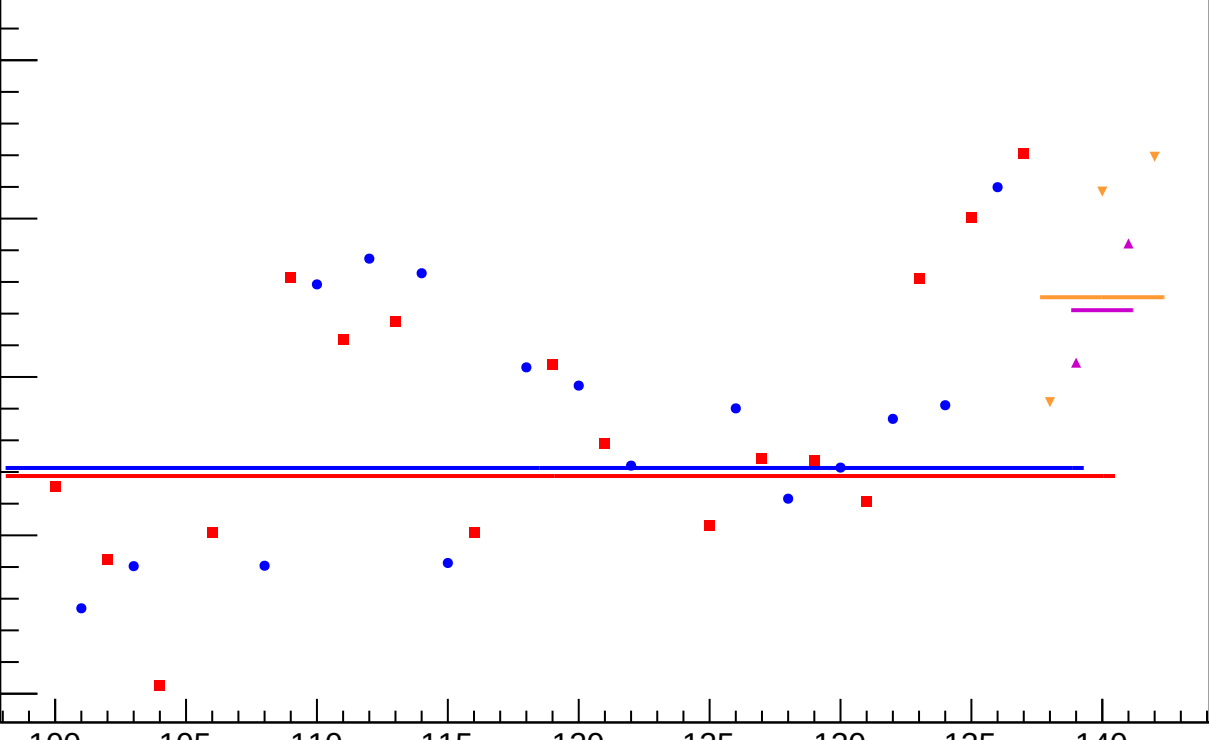
Right Out: 0.011 ± 0.013 $\chi^2/\text{NDF}: 9.9/17$

Left In: 0.062 ± 0.035 $\chi^2/\text{NDF}: 1.0/1$

+ sign 0.003 ± 0.013 $\chi^2/\text{NDF}: 21.9/18$

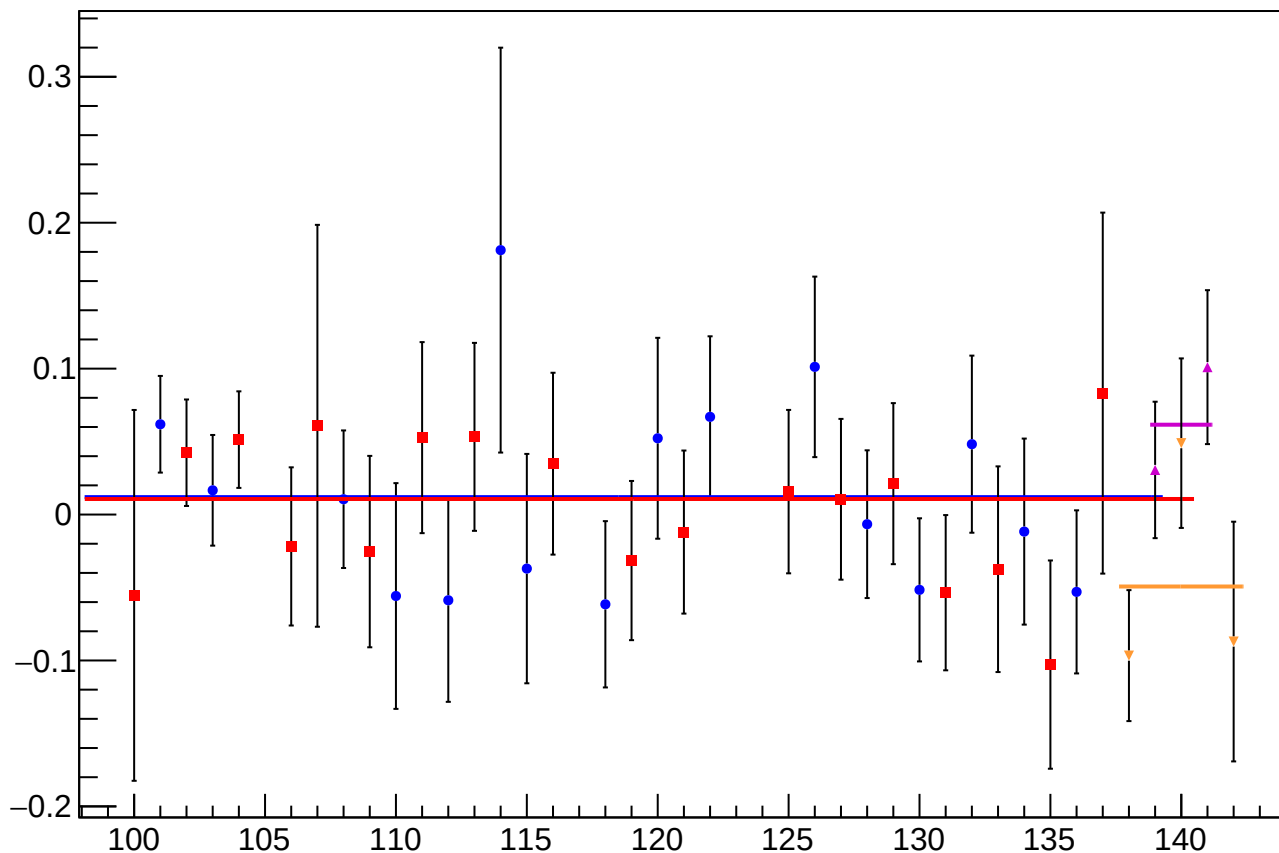
All: 0.010 ± 0.009 $\chi^2/\text{NDF}: 35.3/38$

- sign 0.017 ± 0.013 $\chi^2/\text{NDF}: 12.8/19$



- sign 35.093+/-0.009 χ^2/NDF : 1090841.8/19

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.014 $\chi^2/\text{NDF}: 14.7/15$

Left Out: -0.049 ± 0.033 $\chi^2/\text{NDF}: 4.2/2$

Right Out: 0.011 ± 0.013 $\chi^2/\text{NDF}: 9.9/17$

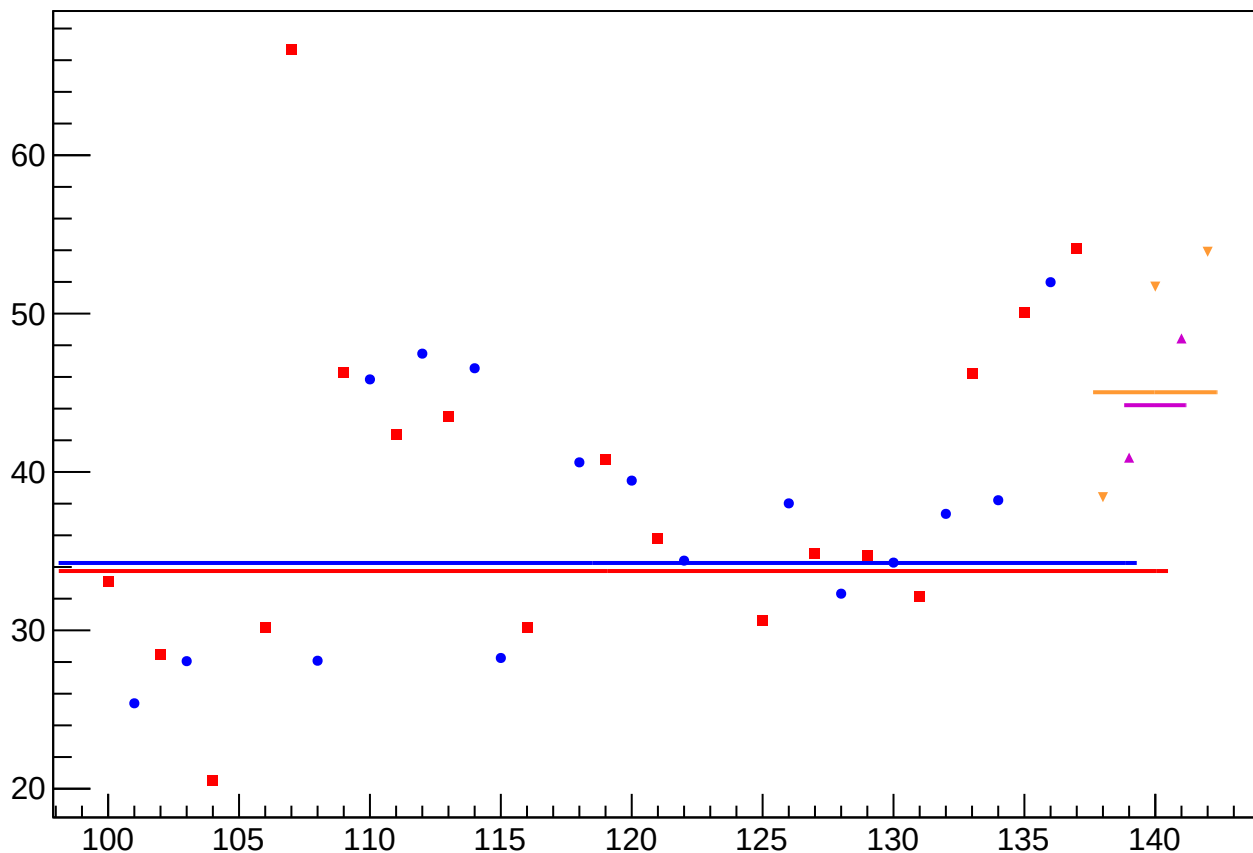
Left In: 0.062 ± 0.035 $\chi^2/\text{NDF}: 1.0/1$

+ sign 0.003 ± 0.013 $\chi^2/\text{NDF}: 21.9/18$

All: 0.010 ± 0.009 $\chi^2/\text{NDF}: 35.3/38$

- sign 0.017 ± 0.013 $\chi^2/\text{NDF}: 12.8/19$

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: 45.034+/-0.023 χ^2 /NDF:93292.7/2

Right Out: 33.746+/-0.010 χ^2 /NDF: 911938.6/17

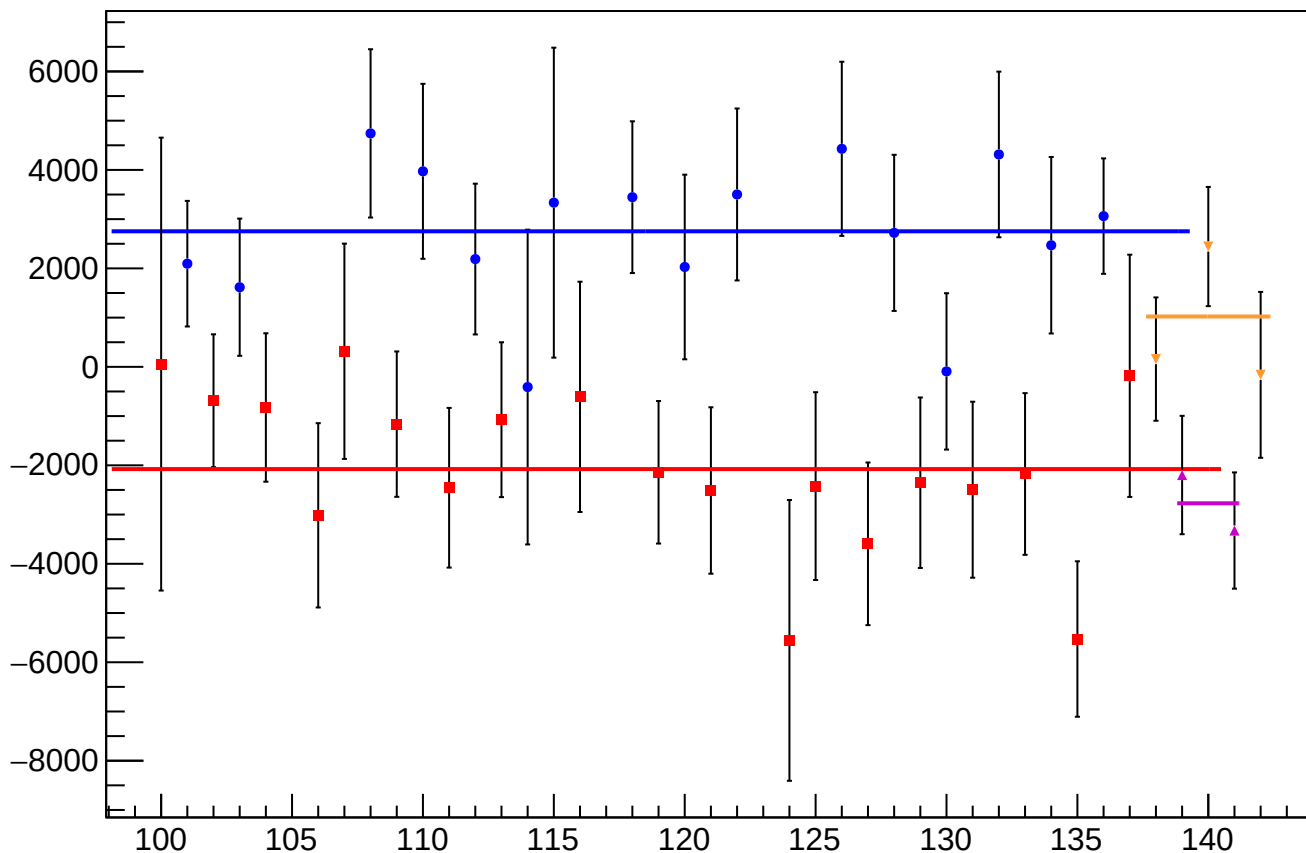
Left In: 44.217+/-0.025 χ^2 /NDF:22805.3/1

+ sign 35.855+/-0.009 χ^2 /NDF: 915563.1/18

All: 35.474+/-0.006 χ^2 /NDF: 2010093.0/38

- sign 35.093+/-0.009 χ^2 /NDF: 1090841.8/19

reg_asym_usr_mean vs Slug



Right In: 2753.123 $\pm$ 409.837 χ^2 /NDF: 9.5/15

Left Out: 1022.713 $\pm$ 773.395 χ^2 /NDF: 2.3/2

Right Out: -2076.471 $\pm$ 403.796 χ^2 /NDF: 12.5/18

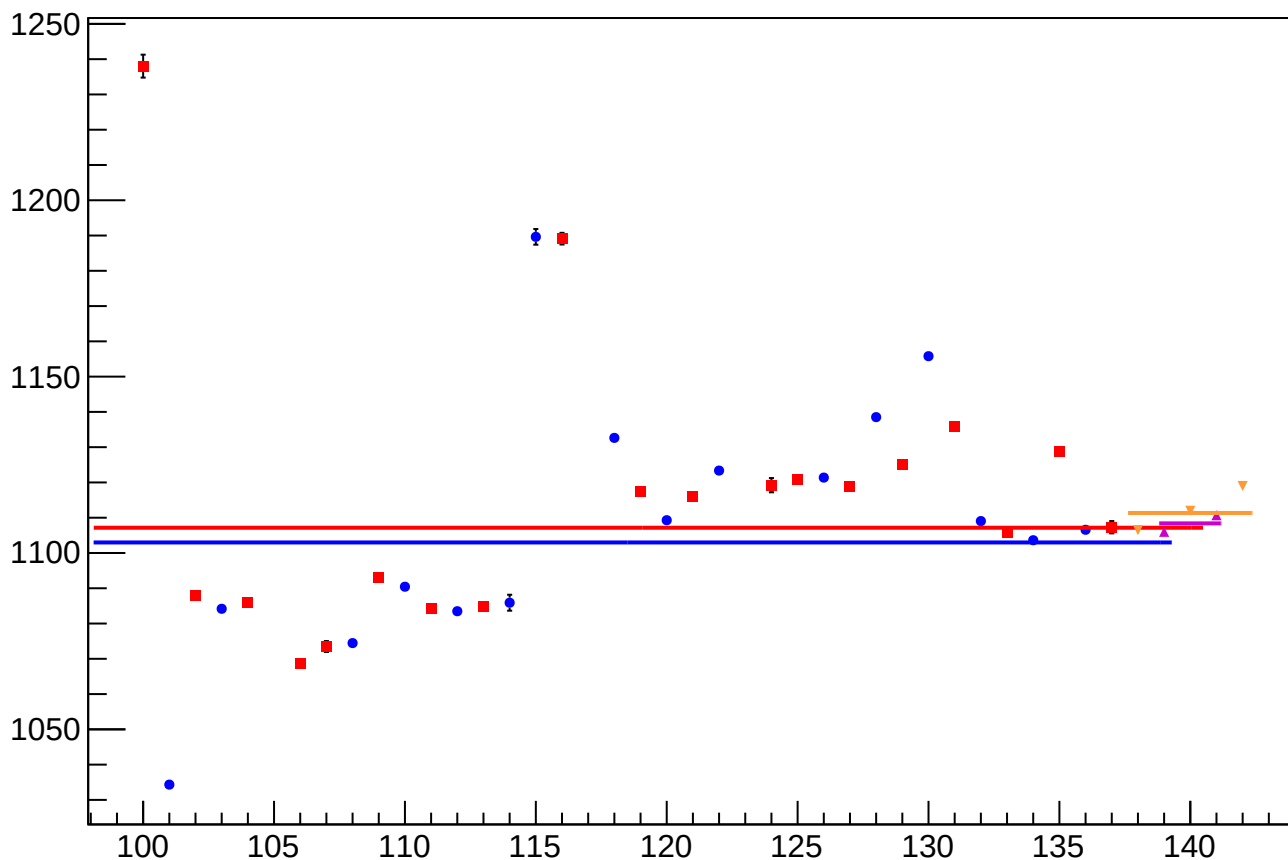
Left In: -2771.020 $\pm$ 842.300 χ^2 /NDF: 0.4/1

+ sign 2373.736 $\pm$ 362.133 χ^2 /NDF: 15.8/18

All: 96.244 $\pm$ 256.765 χ^2 /NDF: 108.8/39

- sign -2206.264 $\pm$ 364.117 χ^2 /NDF: 13.5/20

reg_asym_usr_rms vs Slug



Right In: 1102.988 $\pm$ 0.290 χ^2 /NDF: 13223.8/15

Left Out: 1111.348 $\pm$ 0.547 χ^2 /NDF: 72.0/2

Right Out: 1107.159 $\pm$ 0.286 χ^2 /NDF: 8683.4/18

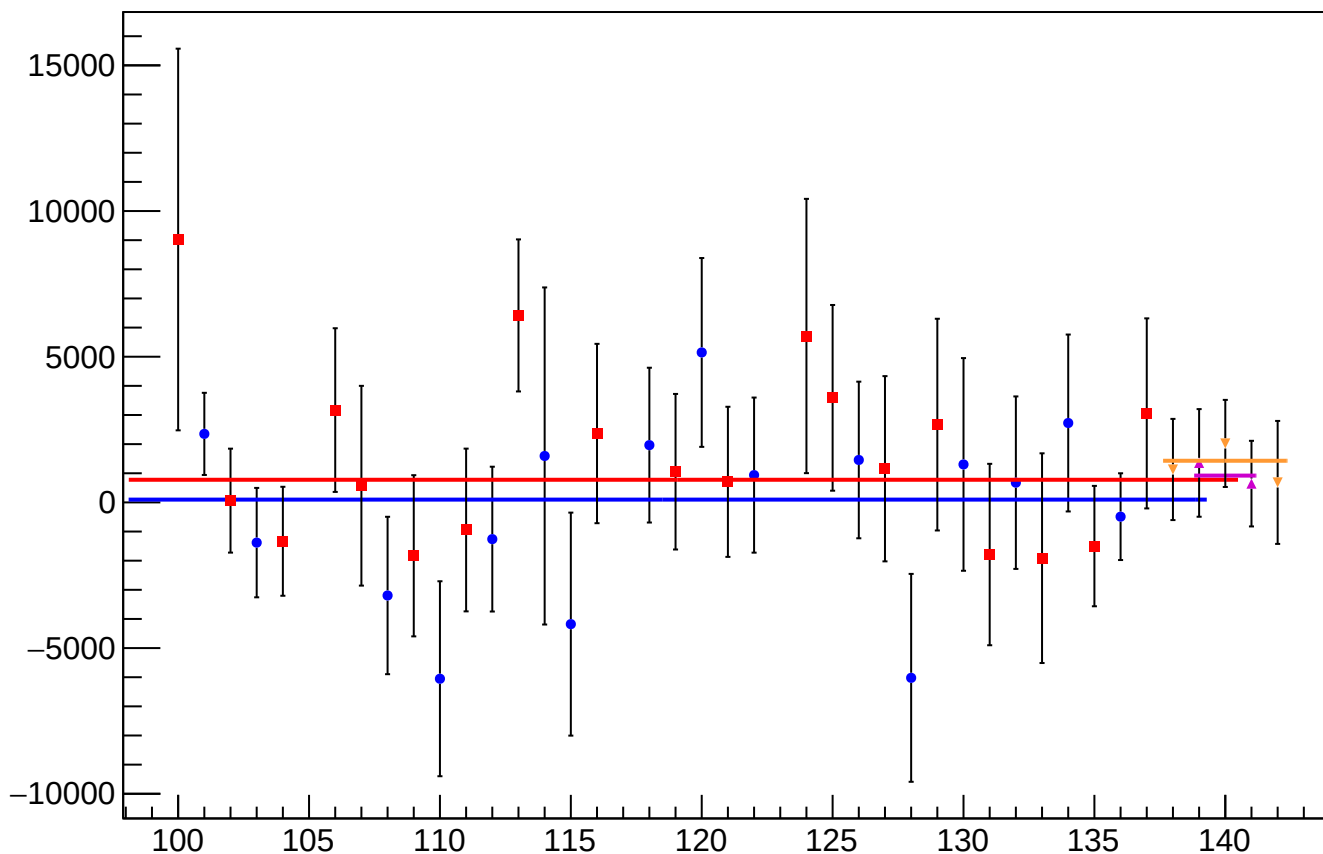
Left In: 1108.394 $\pm$ 0.596 χ^2 /NDF: 15.5/1

+ sign 1104.821 $\pm$ 0.256 χ^2 /NDF: 13478.3/18

All: 1106.098 $\pm$ 0.182 χ^2 /NDF: 22230.7/39

- sign 1107.390 $\pm$ 0.257 χ^2 /NDF: 8702.4/20

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF : 16.9/15

Left Out: 1429.254+/-998.026 χ^2/NDF : 0.3/2

Right Out: 776.996+/-636.966 χ^2/NDF : 15.1/18

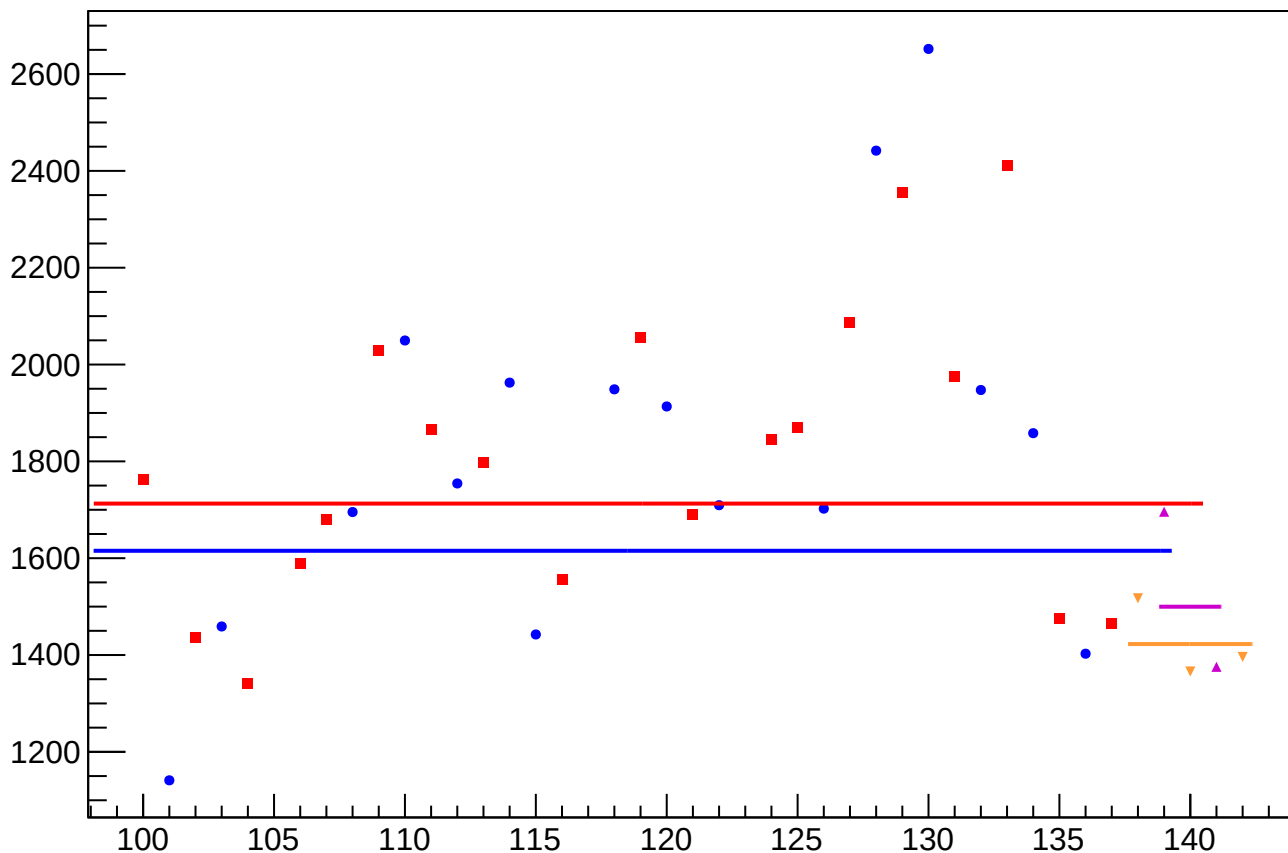
Left In: 919.839+/-1149.918 χ^2/NDF : 0.1/1

+ sign 465.577+/-525.481 χ^2/NDF : 18.5/18

All: 627.960+/-382.291 χ^2/NDF : 33.9/39

- sign 810.534+/-557.194 χ^2/NDF : 15.2/20

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF : 693630.0/15

Left Out: 1422.655+/-0.706 χ^2/NDF : 9128.6/2

Right Out: 1712.798+/-0.450 χ^2/NDF : 428065.0/18

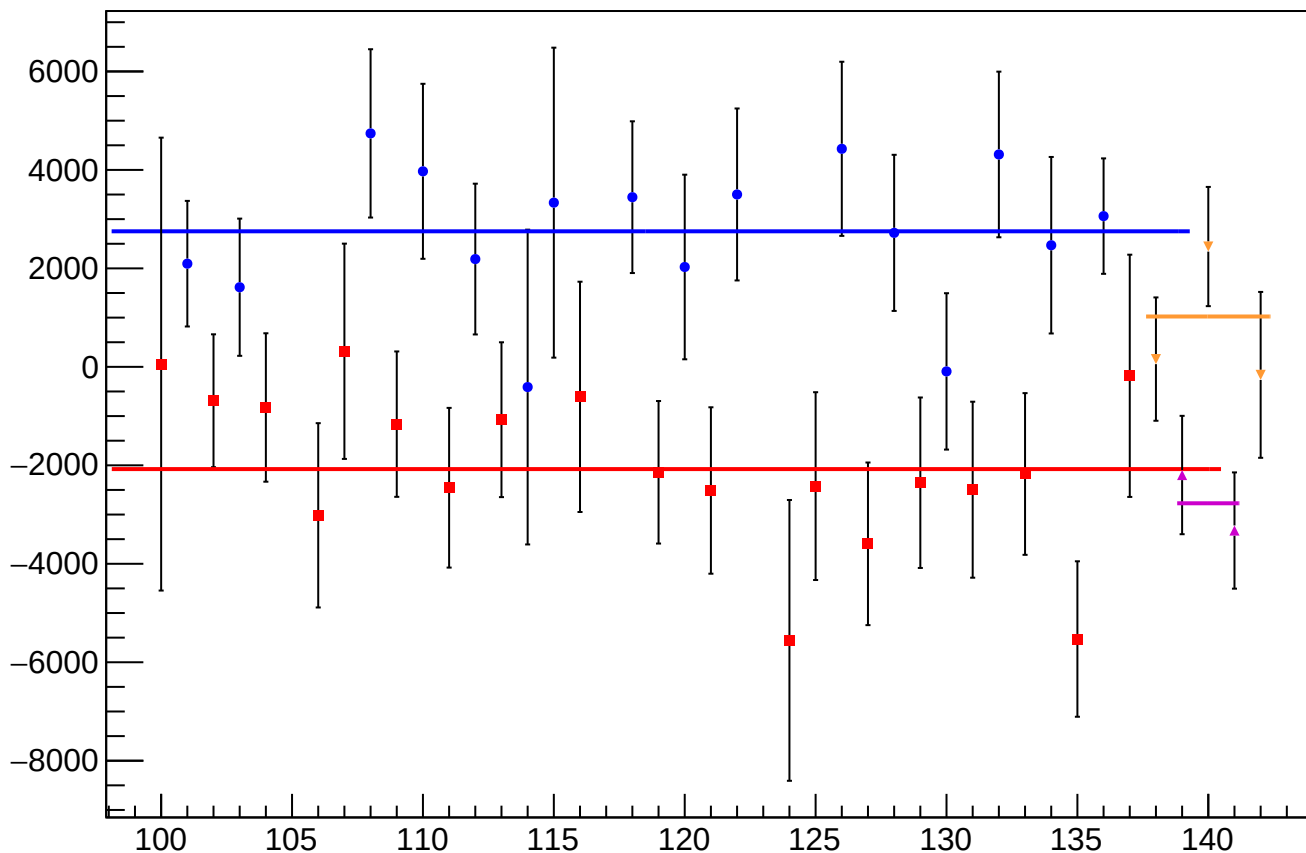
Left In: 1499.810+/-0.813 χ^2/NDF : 36835.3/1

+ sign 1561.905+/-0.372 χ^2/NDF : 756627.2/18

All: 1609.395+/-0.270 χ^2/NDF : 1308732.4/39

- sign 1662.791+/-0.394 χ^2/NDF : 517403.9/20

cor_asym_usr_mean vs Slug



Right In: 2753.123 $\pm$ 409.837 χ^2 /NDF: 9.5/15

Left Out: 1022.713 $\pm$ 773.395 χ^2 /NDF: 2.3/2

Right Out: -2076.471 $\pm$ 403.796 χ^2 /NDF: 12.5/18

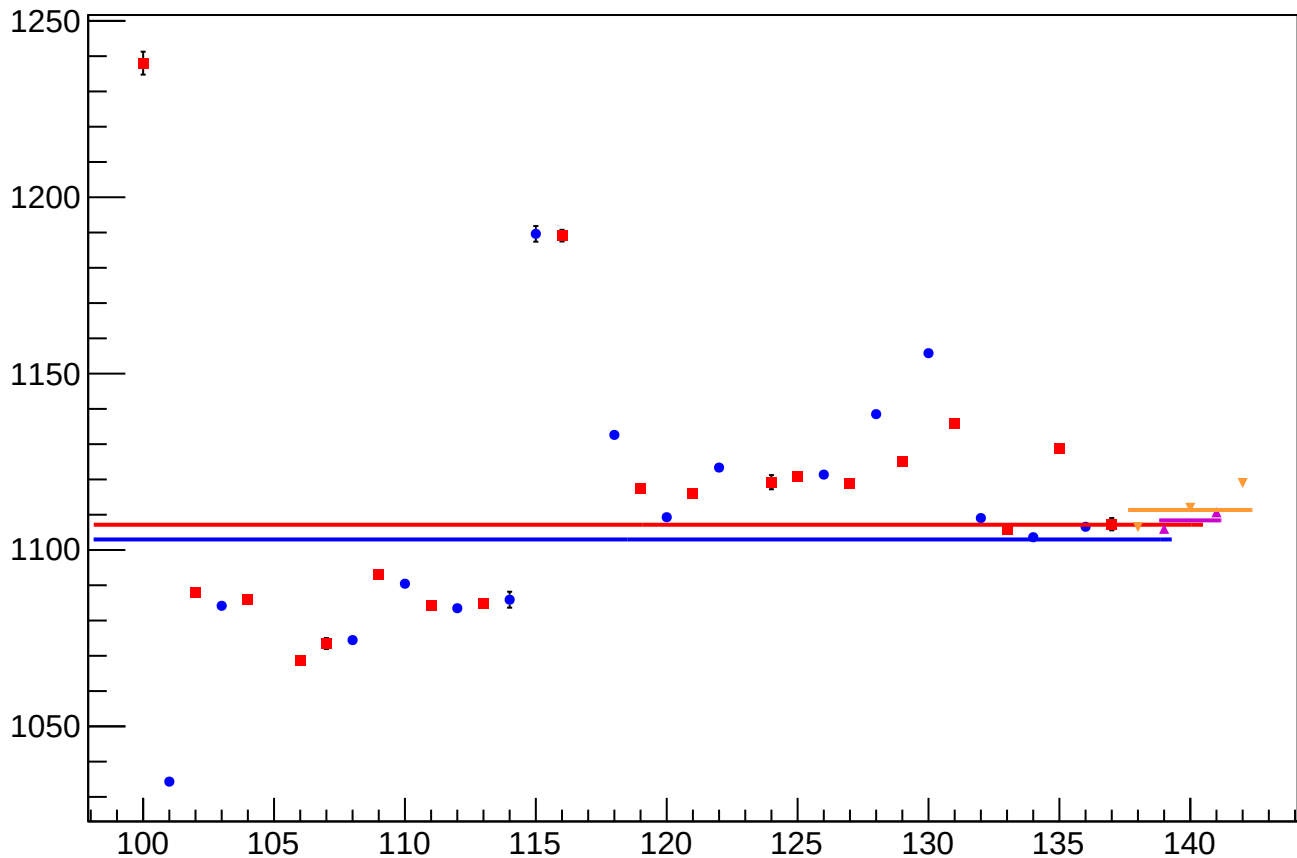
Left In: -2771.020 $\pm$ 842.300 χ^2 /NDF: 0.4/1

+ sign 2373.736 $\pm$ 362.133 χ^2 /NDF: 15.8/18

All: 96.244 $\pm$ 256.765 χ^2 /NDF: 108.8/39

- sign -2206.264 $\pm$ 364.117 χ^2 /NDF: 13.5/20

cor_asym_usr_rms vs Slug



Right In: 1102.988 $\pm$ 0.290 χ^2 /NDF: 13223.8/15

Left Out: 1111.348 $\pm$ 0.547 χ^2 /NDF: 72.0/2

Right Out: 1107.159 $\pm$ 0.286 χ^2 /NDF: 8683.4/18

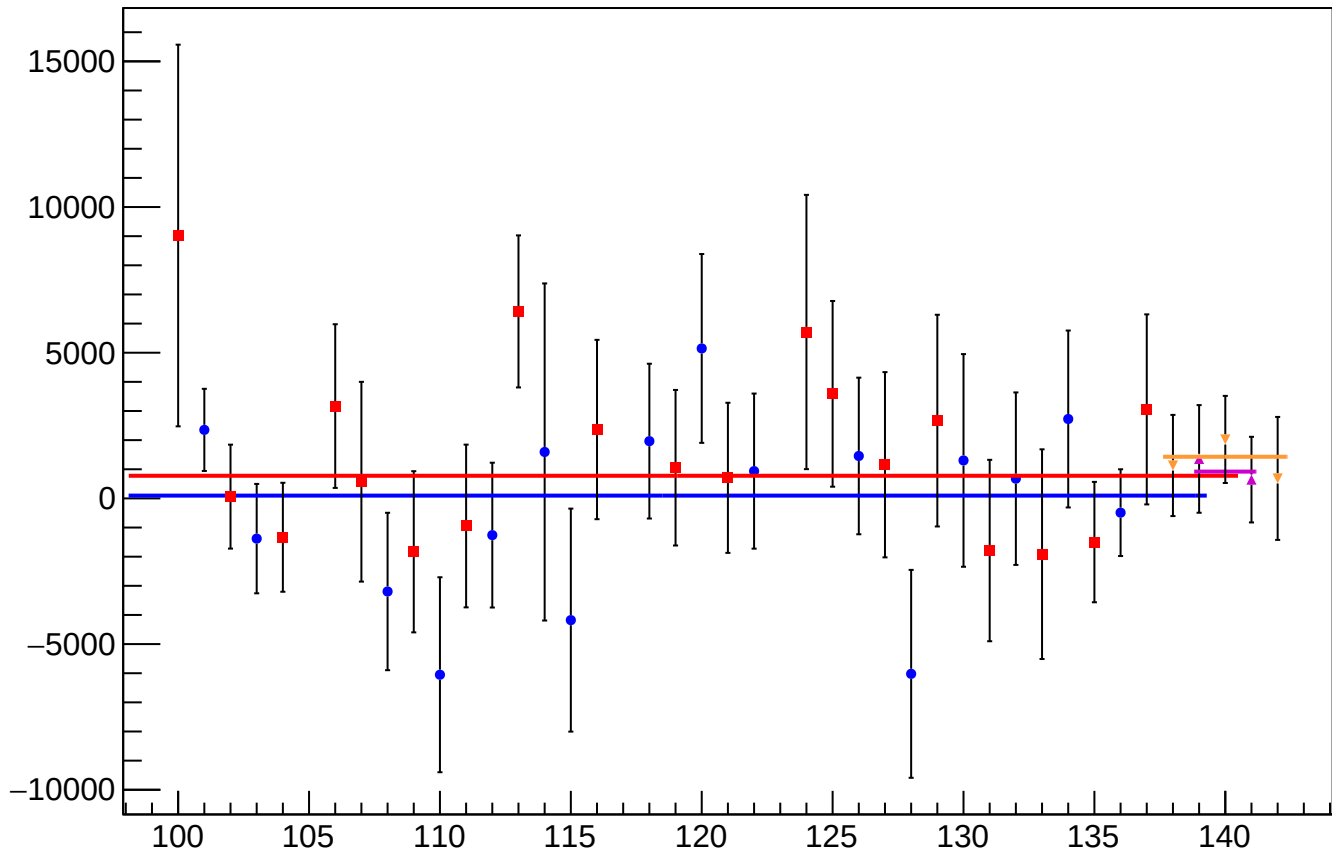
Left In: 1108.394 $\pm$ 0.596 χ^2 /NDF: 15.5/1

+ sign 1104.821 $\pm$ 0.256 χ^2 /NDF: 13478.3/18

All: 1106.098 $\pm$ 0.182 χ^2 /NDF: 22230.7/39

- sign 1107.390 $\pm$ 0.257 χ^2 /NDF: 8702.4/20

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF : 16.9/15

Left Out: 1429.254+/-998.026 χ^2/NDF : 0.3/2

Right Out: 776.996+/-636.966 χ^2/NDF : 15.1/18

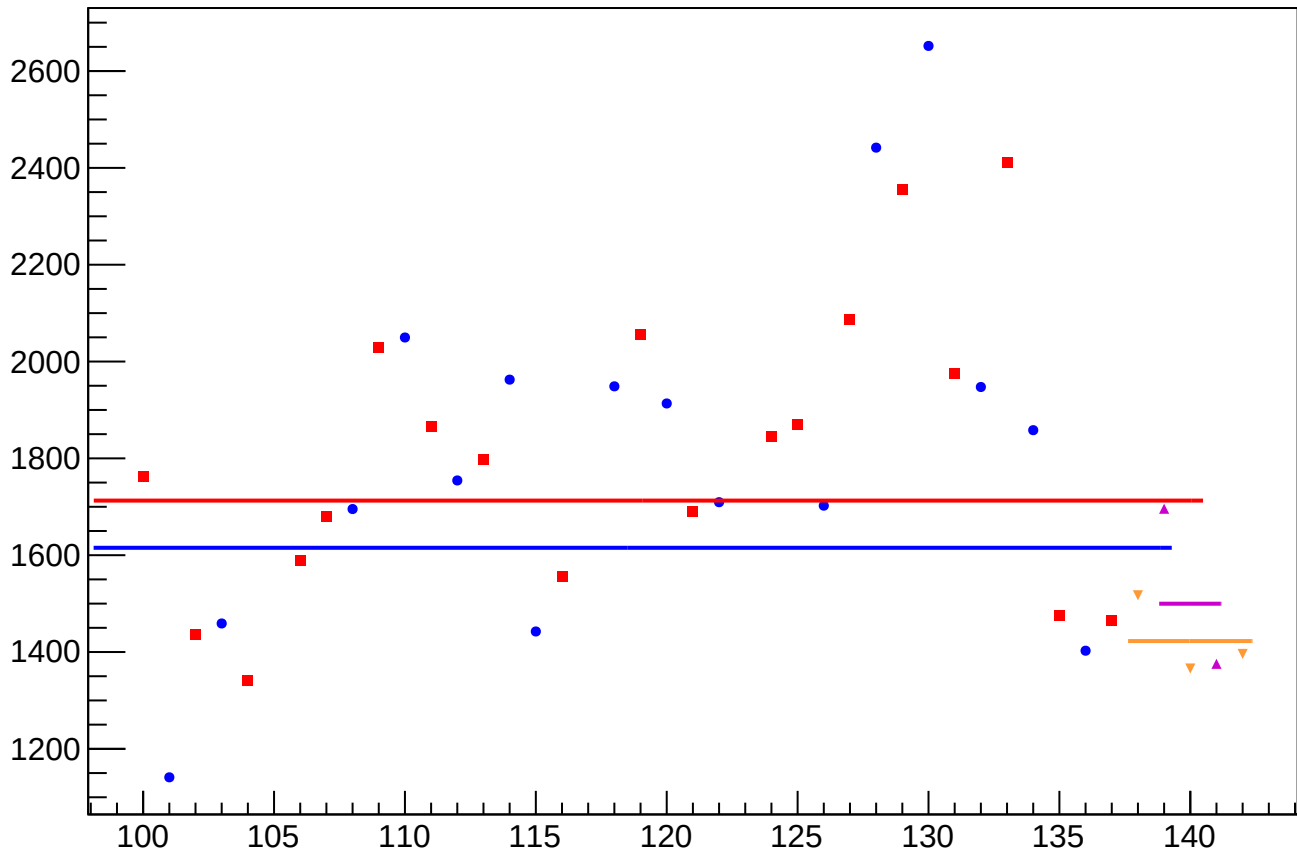
Left In: 919.839+/-1149.918 χ^2/NDF : 0.1/1

+ sign 465.577+/-525.481 χ^2/NDF : 18.5/18

All: 627.960+/-382.291 χ^2/NDF : 33.9/39

- sign 810.534+/-557.194 χ^2/NDF : 15.2/20

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF : 693630.0/15

Left Out: 1422.655+/-0.706 χ^2/NDF : 9128.6/2

Right Out: 1712.798+/-0.450 χ^2/NDF : 428065.0/18

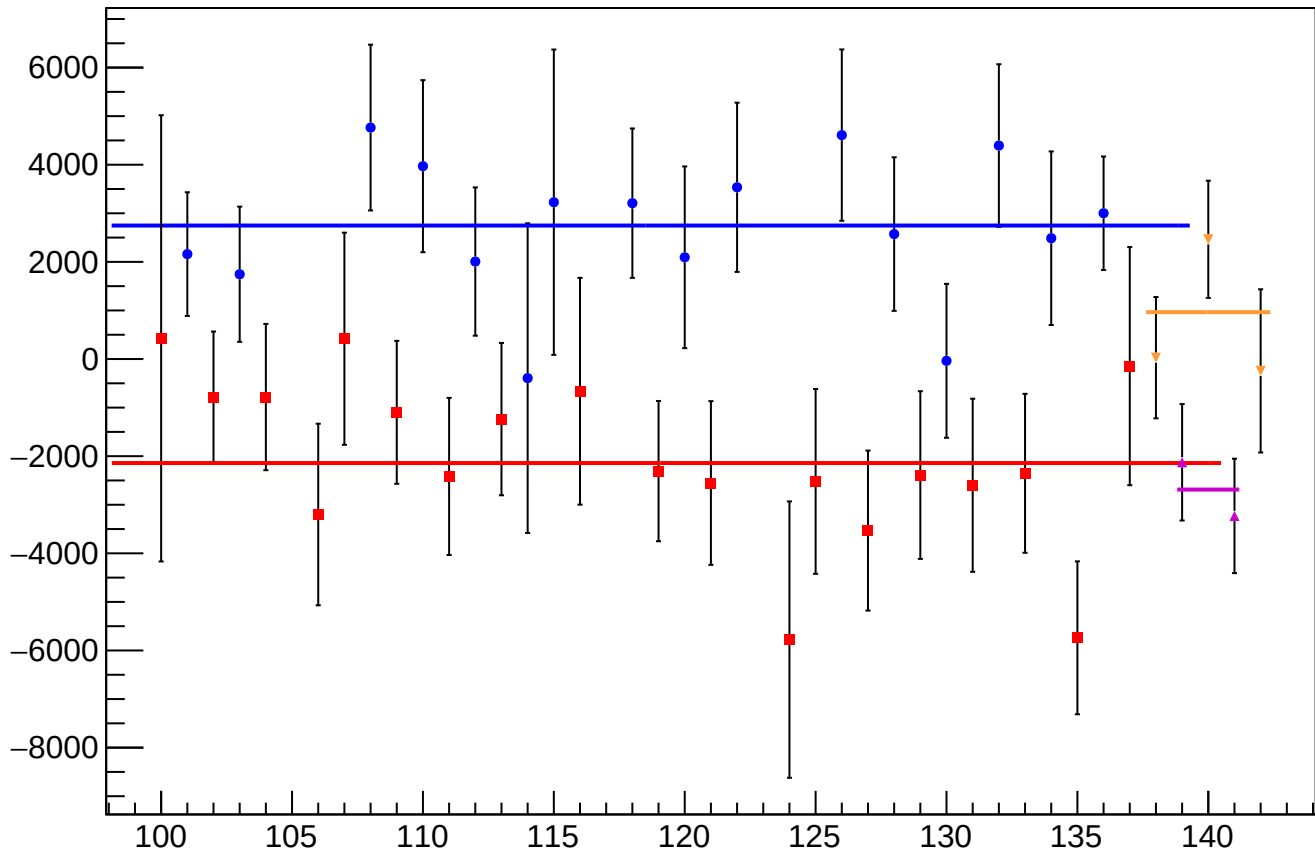
Left In: 1499.810+/-0.813 χ^2/NDF : 36835.3/1

+ sign 1561.905+/-0.372 χ^2/NDF : 756627.2/18

All: 1609.395+/-0.270 χ^2/NDF : 1308732.4/39

- sign 1662.791+/-0.394 χ^2/NDF : 517403.9/20

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939 $\pm$ 408.759 χ^2 /NDF: 9.5/15

Left Out: 964.932 $\pm$ 770.891 χ^2 /NDF:2.6/2

Right Out: -2141.169 $\pm$ 402.789 χ^2 /NDF: 13.6/18

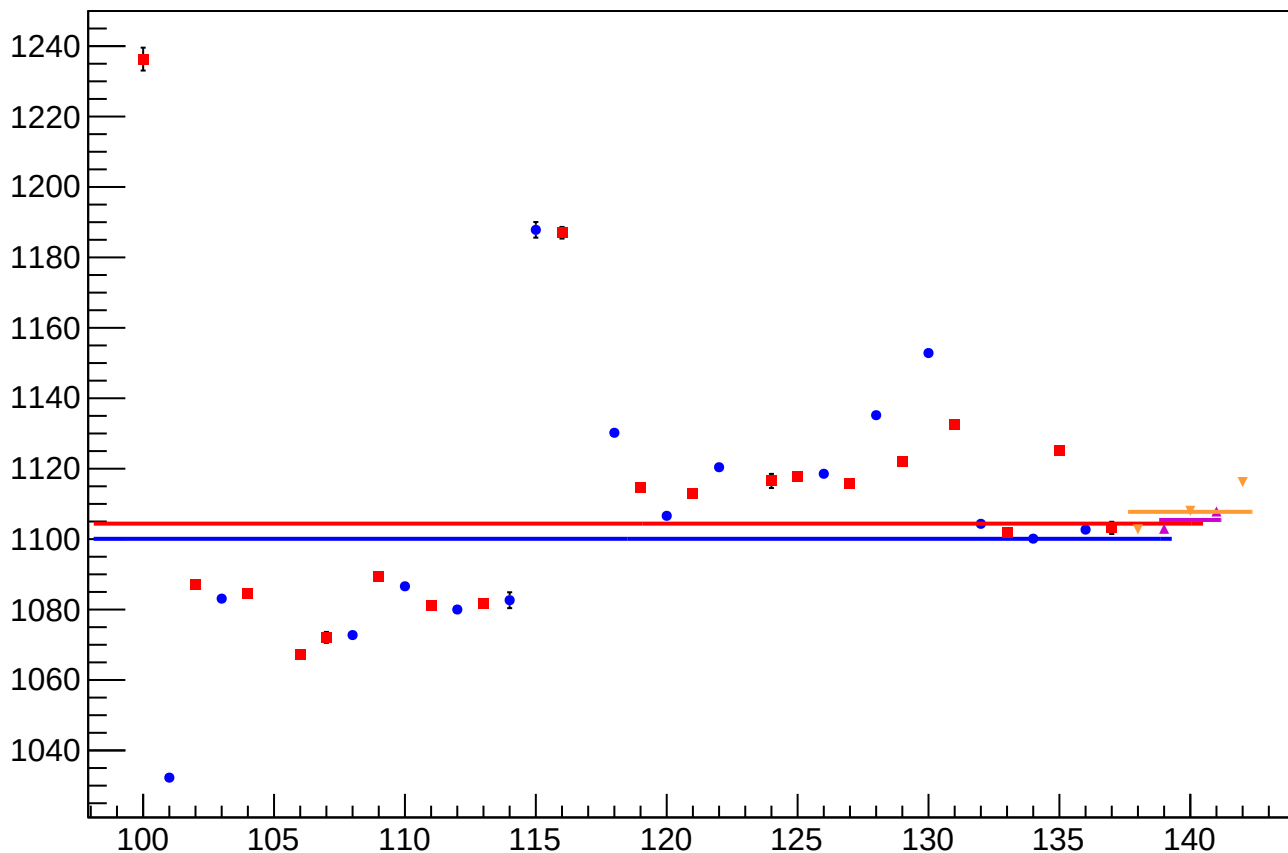
Left In: -2687.651 $\pm$ 840.058 χ^2 /NDF:0.4/1

+ sign 2356.648 $\pm$ 361.132 χ^2 /NDF: 16.3/18

All: 69.776 $\pm$ 256.086 χ^2 /NDF: 111.3/39

- sign -2243.320 $\pm$ 363.197 χ^2 /NDF: 14.3/20

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090 +/- 0.289 χ^2/NDF : 13077.1/15

Left Out: 1107.750 +/- 0.545 χ^2/NDF : 82.5/2

Right Out: 1104.403 +/- 0.285 χ^2/NDF : 8543.5/18

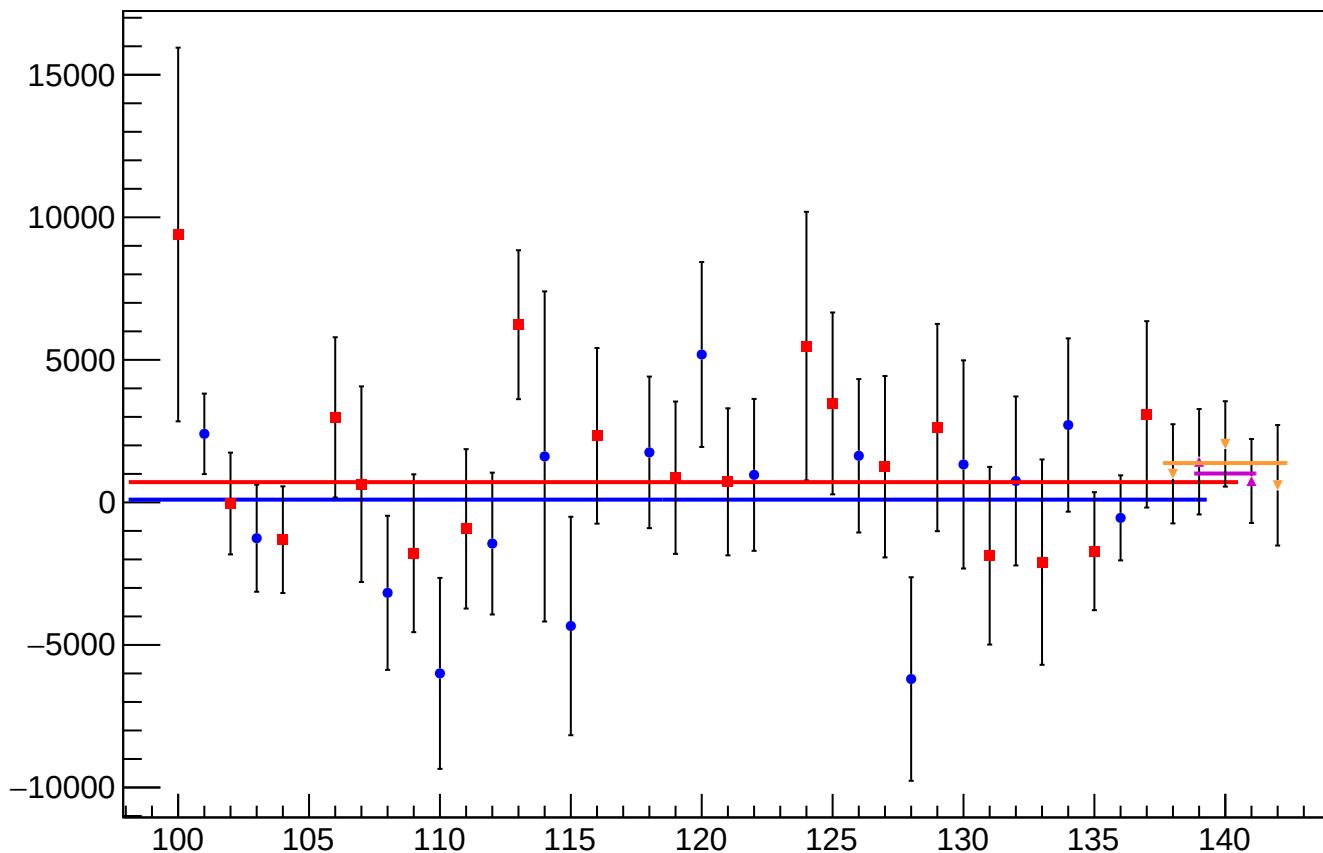
Left In: 1105.443 +/- 0.594 χ^2/NDF : 17.0/1

+ sign 1101.771 +/- 0.255 χ^2/NDF : 13313.7/18

All: 1103.176 +/- 0.181 χ^2/NDF : 21937.7/39

- sign 1104.597 +/- 0.257 χ^2/NDF : 8563.1/20

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF : 17.2/15

Left Out: 1380.290+/-999.993 χ^2/NDF : 0.4/2

Right Out: 711.287+/-637.587 χ^2/NDF : 14.9/18

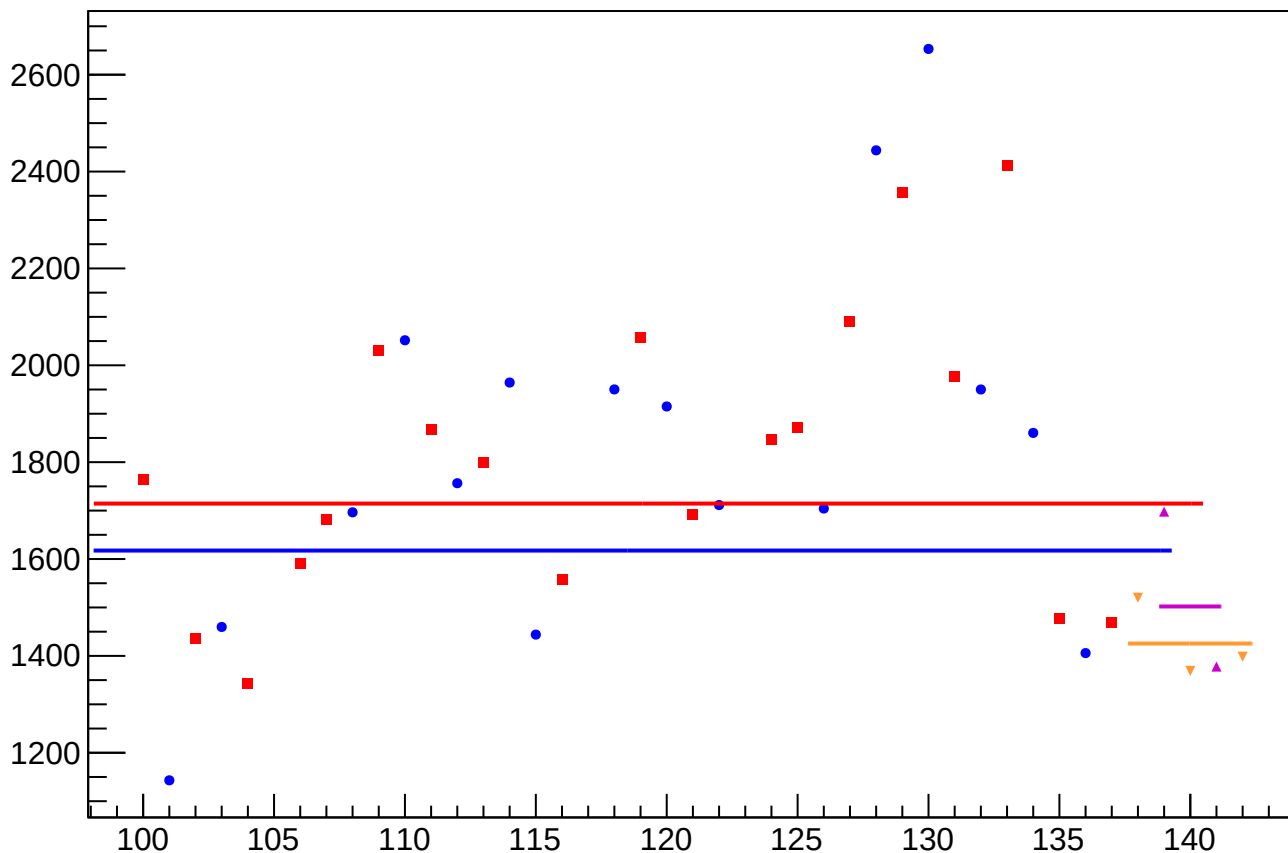
Left In: 1013.120+/-1151.594 χ^2/NDF : 0.1/1

+ sign 452.711+/-526.248 χ^2/NDF : 18.8/18

All: 607.827+/-382.782 χ^2/NDF : 34.1/39

- sign 782.102+/-557.801 χ^2/NDF : 15.1/20

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF : 691725.3/15

Left Out: 1425.512+/-0.707 χ^2/NDF : 9078.1/2

Right Out: 1714.508+/-0.451 χ^2/NDF : 427709.9/18

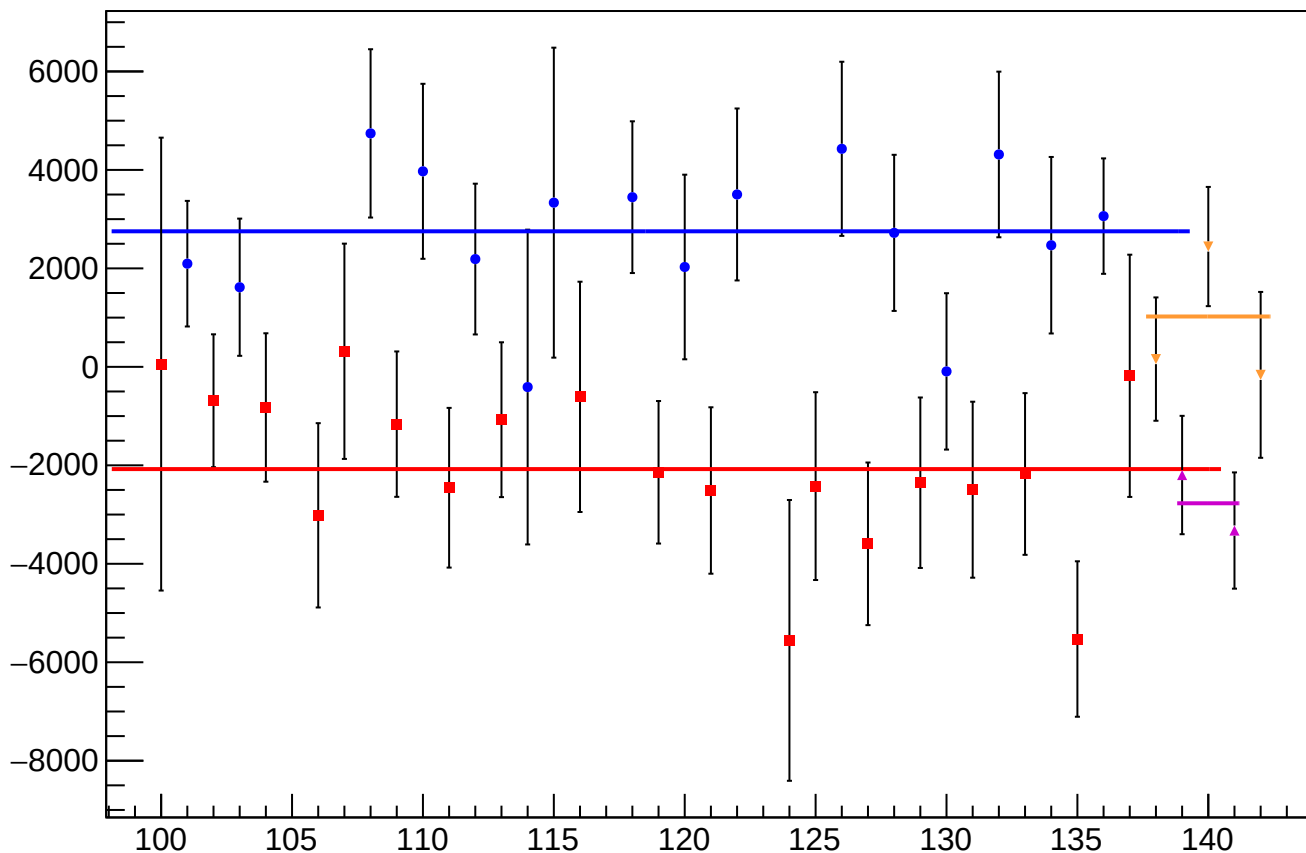
Left In: 1502.048+/-0.814 χ^2/NDF : 36648.5/1

+ sign 1564.324+/-0.372 χ^2/NDF : 754102.1/18

All: 1611.575+/-0.271 χ^2/NDF : 1304802.0/39

- sign 1664.661+/-0.394 χ^2/NDF : 516461.4/20

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123 ± 409.837 χ^2/NDF : 9.5/15

Left Out: 1022.713 ± 773.395 χ^2/NDF : 2.3/2

Right Out: -2076.471 ± 403.796 χ^2/NDF : 12.5/18

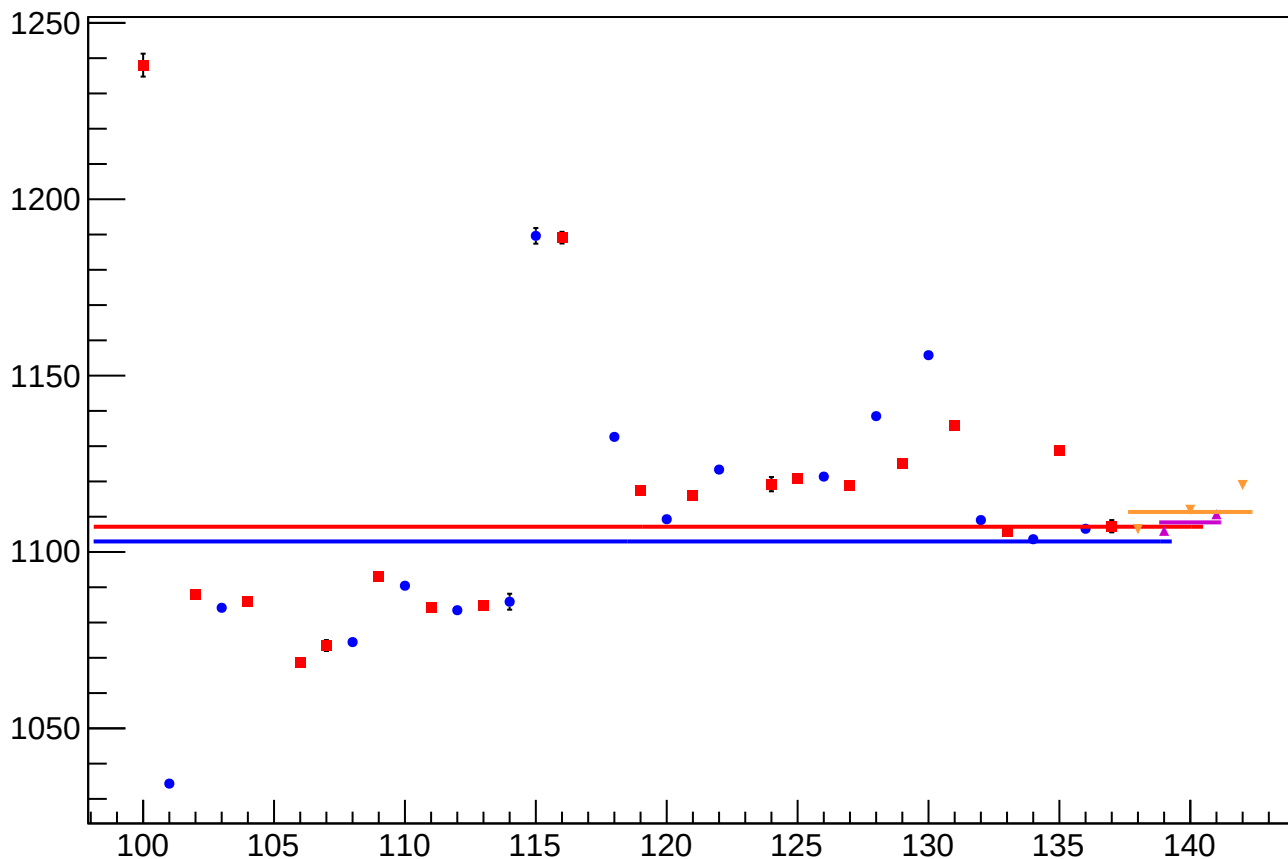
Left In: -2771.020 ± 842.300 χ^2/NDF : 0.4/1

+ sign 2373.736 ± 362.133 χ^2/NDF : 15.8/18

All: 96.244 ± 256.765 χ^2/NDF : 108.8/39

- sign -2206.264 ± 364.117 χ^2/NDF : 13.5/20

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988 $\pm$ 0.290 χ^2 /NDF: 13223.8/15

Left Out: 1111.348 $\pm$ 0.547 χ^2 /NDF: 72.0/2

Right Out: 1107.159 $\pm$ 0.286 χ^2 /NDF: 8683.4/18

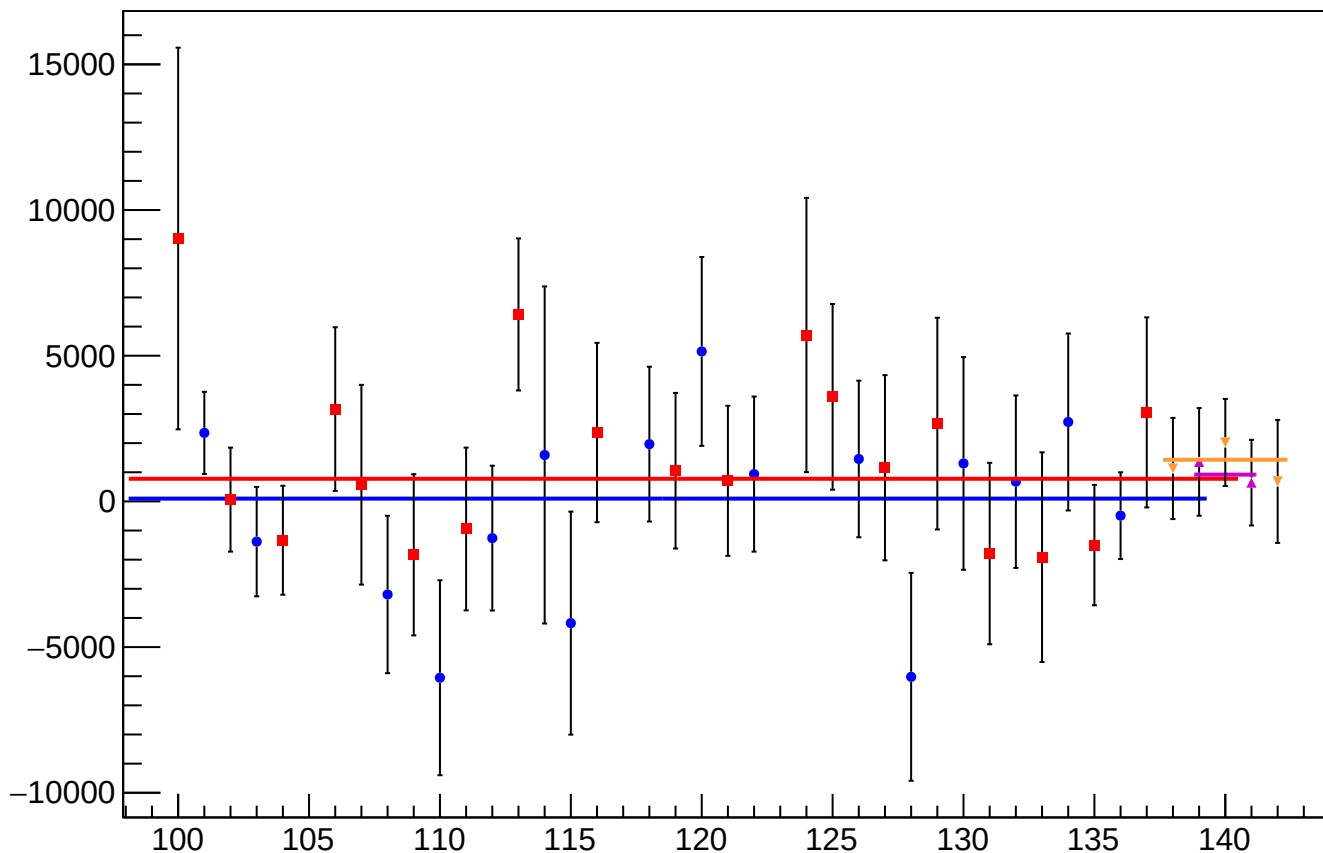
Left In: 1108.394 $\pm$ 0.596 χ^2 /NDF: 15.5/1

+ sign 1104.821 $\pm$ 0.256 χ^2 /NDF: 13478.3/18

All: 1106.098 $\pm$ 0.182 χ^2 /NDF: 22230.7/39

- sign 1107.390 $\pm$ 0.257 χ^2 /NDF: 8702.4/20

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF : 16.9/15

Left Out: 1429.254+/-998.026 χ^2/NDF : 0.3/2

Right Out: 776.996+/-636.966 χ^2/NDF : 15.1/18

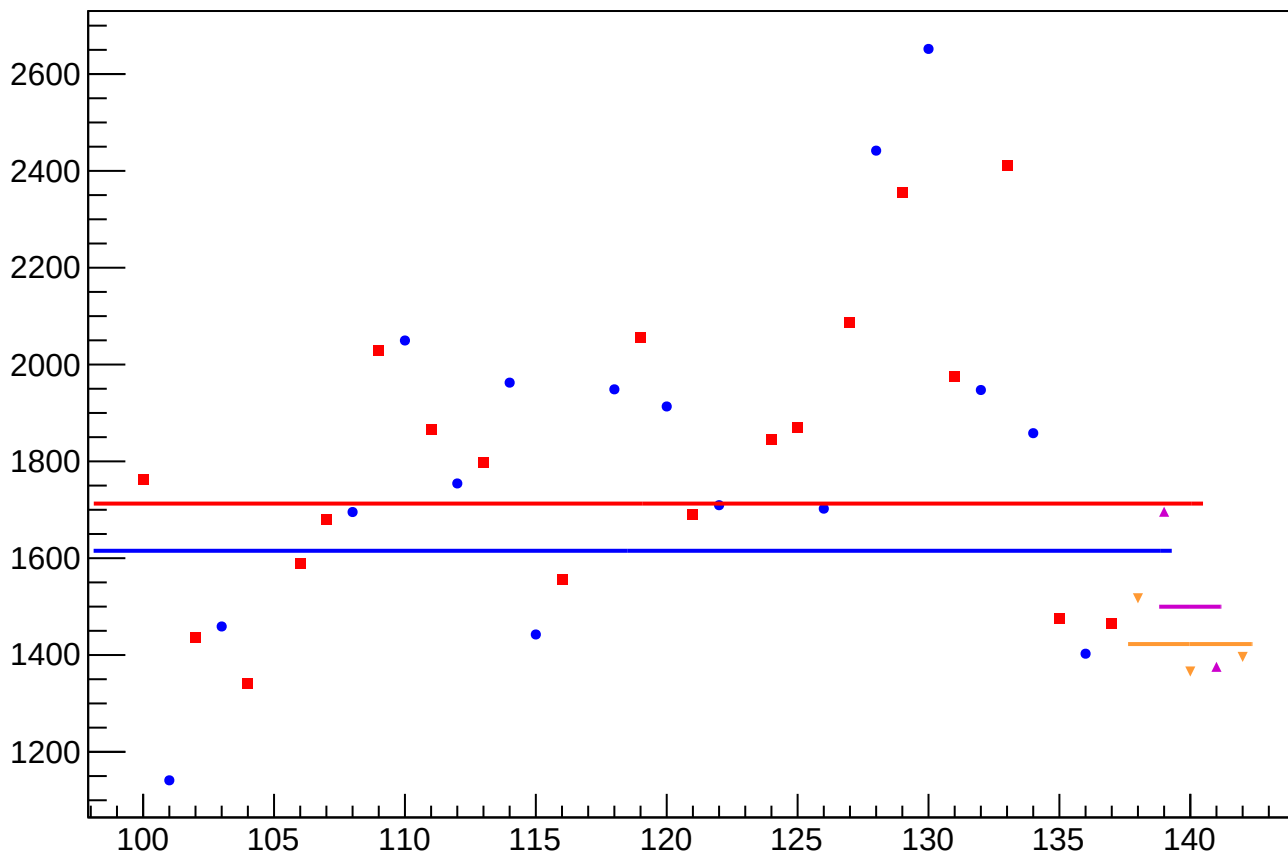
Left In: 919.839+/-1149.918 χ^2/NDF : 0.1/1

+ sign 465.577+/-525.481 χ^2/NDF : 18.5/18

All: 627.960+/-382.291 χ^2/NDF : 33.9/39

- sign 810.534+/-557.194 χ^2/NDF : 15.2/20

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF : 693630.0/15

Left Out: 1422.655+/-0.706 χ^2/NDF : 9128.6/2

Right Out: 1712.798+/-0.450 χ^2/NDF : 428065.0/18

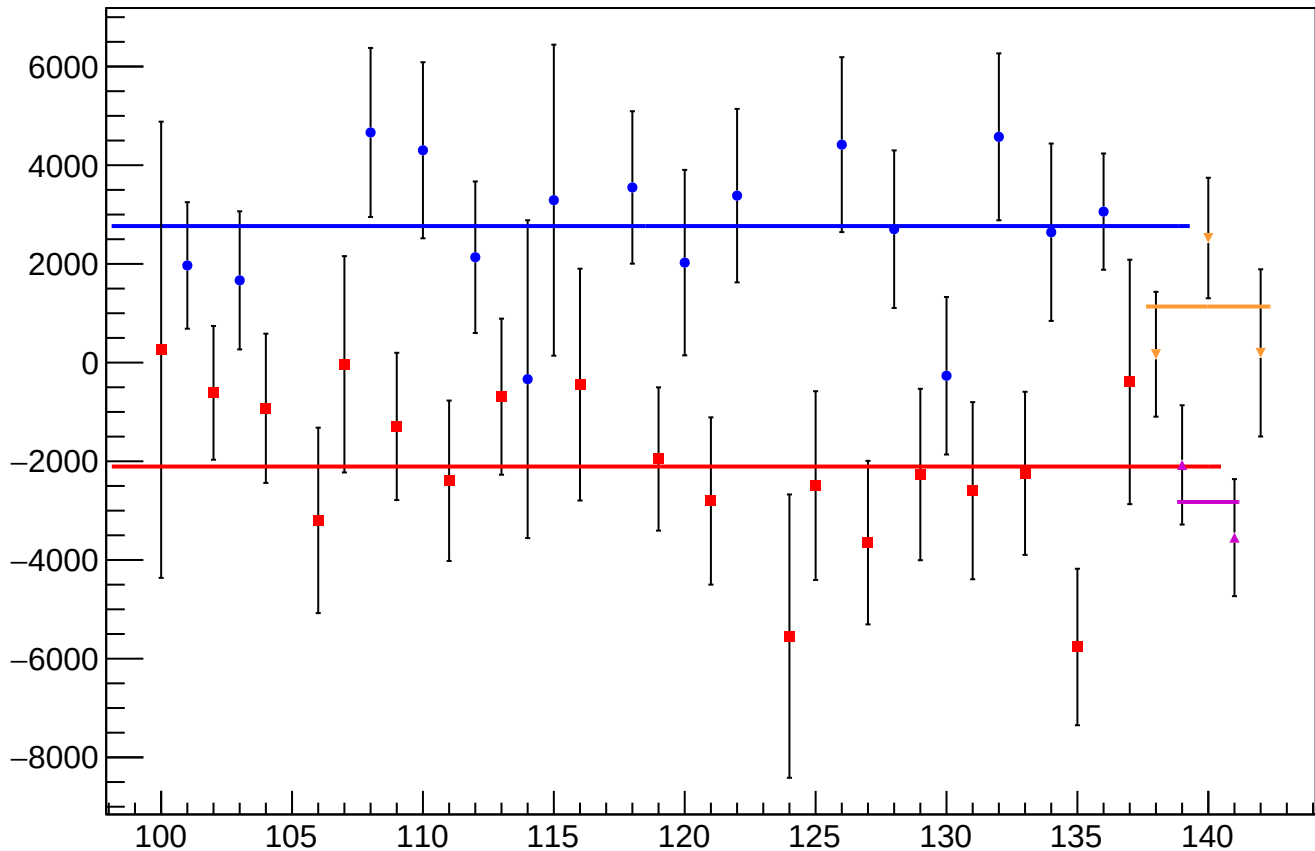
Left In: 1499.810+/-0.813 χ^2/NDF : 36835.3/1

+ sign 1561.905+/-0.372 χ^2/NDF : 756627.2/18

All: 1609.395+/-0.270 χ^2/NDF : 1308732.4/39

- sign 1662.791+/-0.394 χ^2/NDF : 517403.9/20

dit_asym_usr_mean vs Slug



Right In: 2766.657 $\pm$ 411.563 χ^2 /NDF: 10.3/15

Left Out: 1136.085 $\pm$ 779.941 χ^2 /NDF: 2.2/2

Right Out: -2106.358 $\pm$ 405.586 χ^2 /NDF: 13.4/18

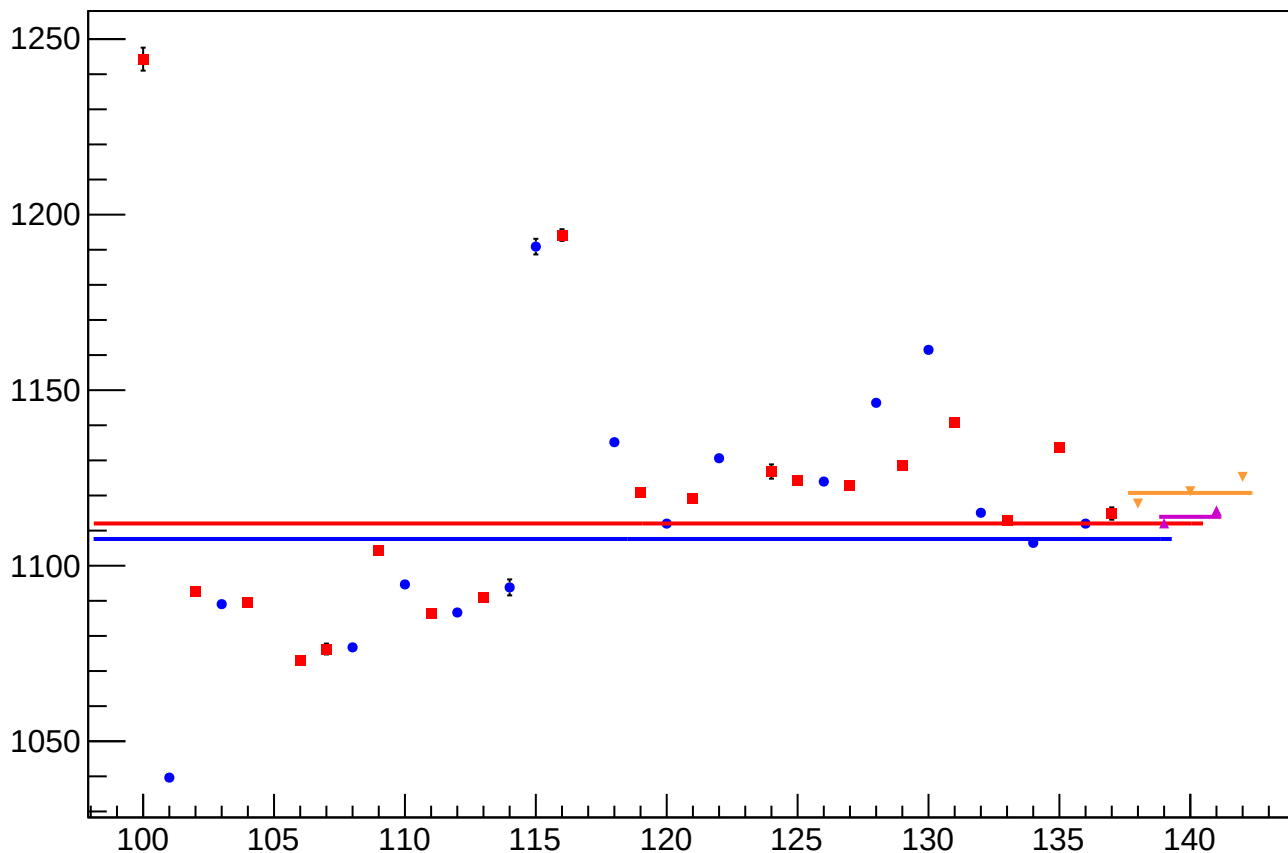
Left In: -2824.237 $\pm$ 846.546 χ^2 /NDF: 0.8/1

+ sign 2411.513 $\pm$ 363.994 χ^2 /NDF: 15.9/18

All: 96.904 $\pm$ 258.009 χ^2 /NDF: 111.9/39

- sign -2240.379 $\pm$ 365.772 χ^2 /NDF: 14.7/20

dit_asym_usr_rms vs Slug



Right In: 1107.613 $\pm$ 0.291 χ^2 /NDF: 13220.8/15

Left Out: 1120.734 $\pm$ 0.552 χ^2 /NDF:26.2/2

Right Out: 1112.029 $\pm$ 0.287 χ^2 /NDF: 8653.5/18

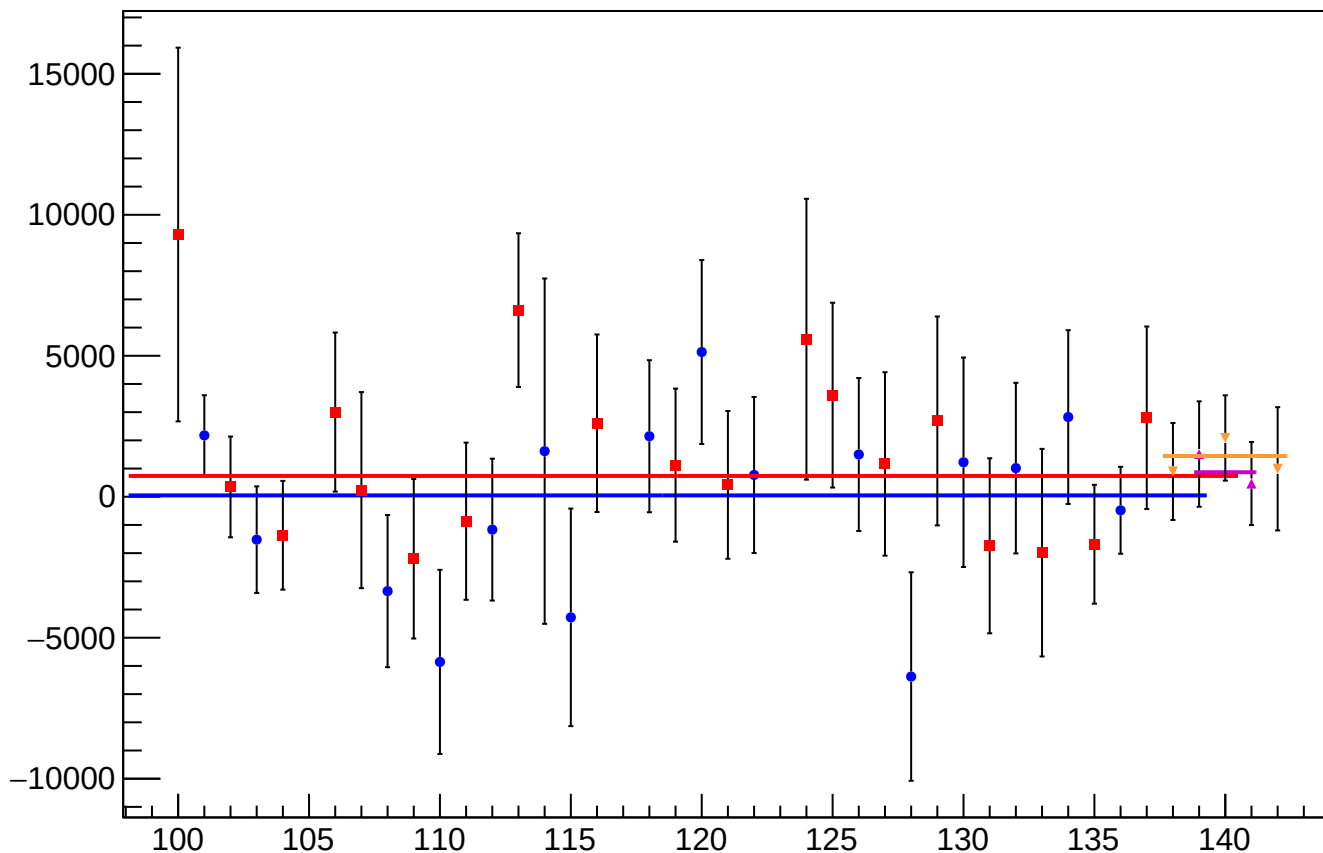
Left In: 1113.927 $\pm$ 0.599 χ^2 /NDF:9.3/1

+ sign 1110.471 $\pm$ 0.257 χ^2 /NDF: 13689.7/18

All: 1111.423 $\pm$ 0.182 χ^2 /NDF: 22388.1/39

- sign 1112.384 $\pm$ 0.259 χ^2 /NDF: 8671.0/20

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF : 16.9/15

Left Out: 1443.999+/-1007.572 χ^2/NDF : 0.3/2

Right Out: 738.185+/-647.795 χ^2/NDF : 14.9/18

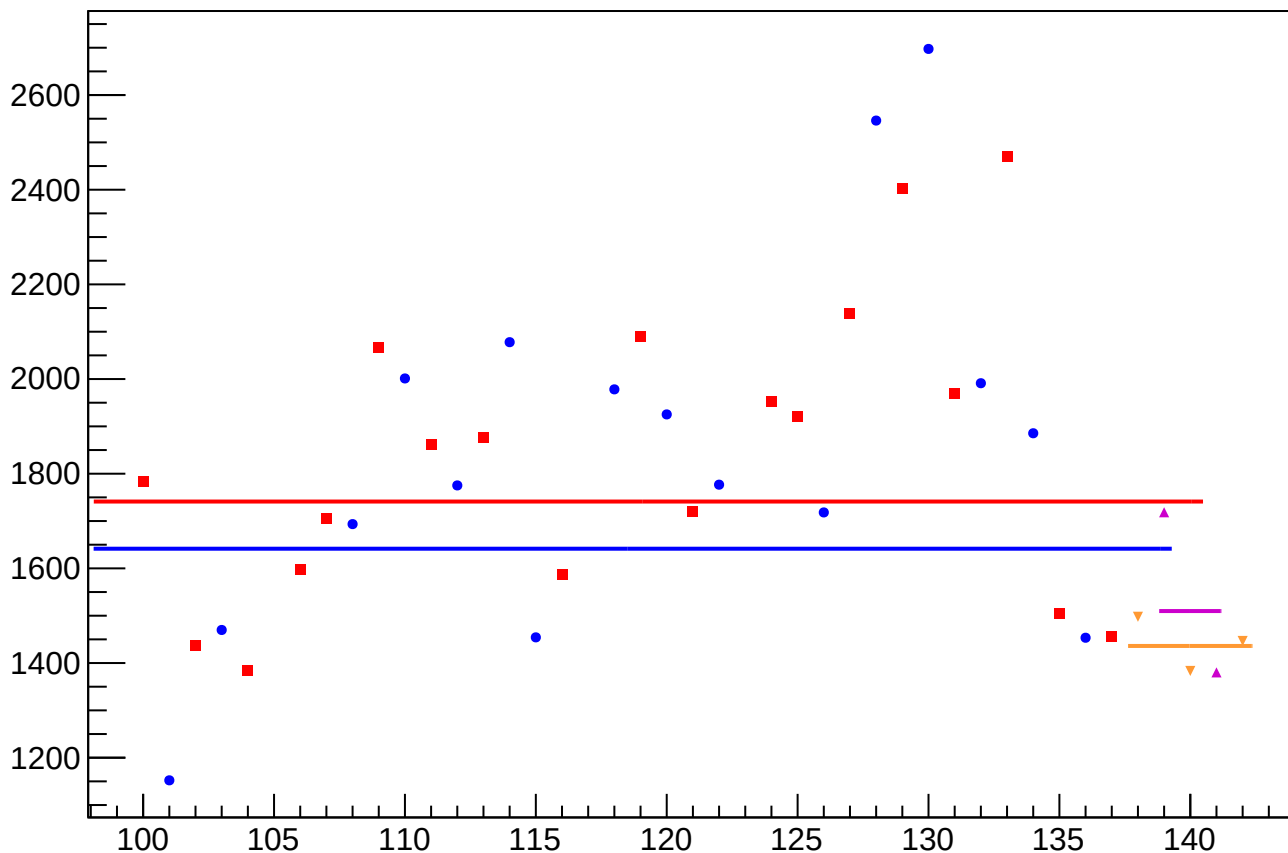
Left In: 869.279+/-1157.254 χ^2/NDF : 0.2/1

+ sign 438.505+/-532.991 χ^2/NDF : 18.6/18

All: 594.268+/-387.788 χ^2/NDF : 33.9/39

- sign 769.462+/-565.261 χ^2/NDF : 15.2/20

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF : 701311.4/15

Left Out: 1436.082+/-0.712 χ^2/NDF : 5059.0/2

Right Out: 1741.200+/-0.458 χ^2/NDF : 438336.6/18

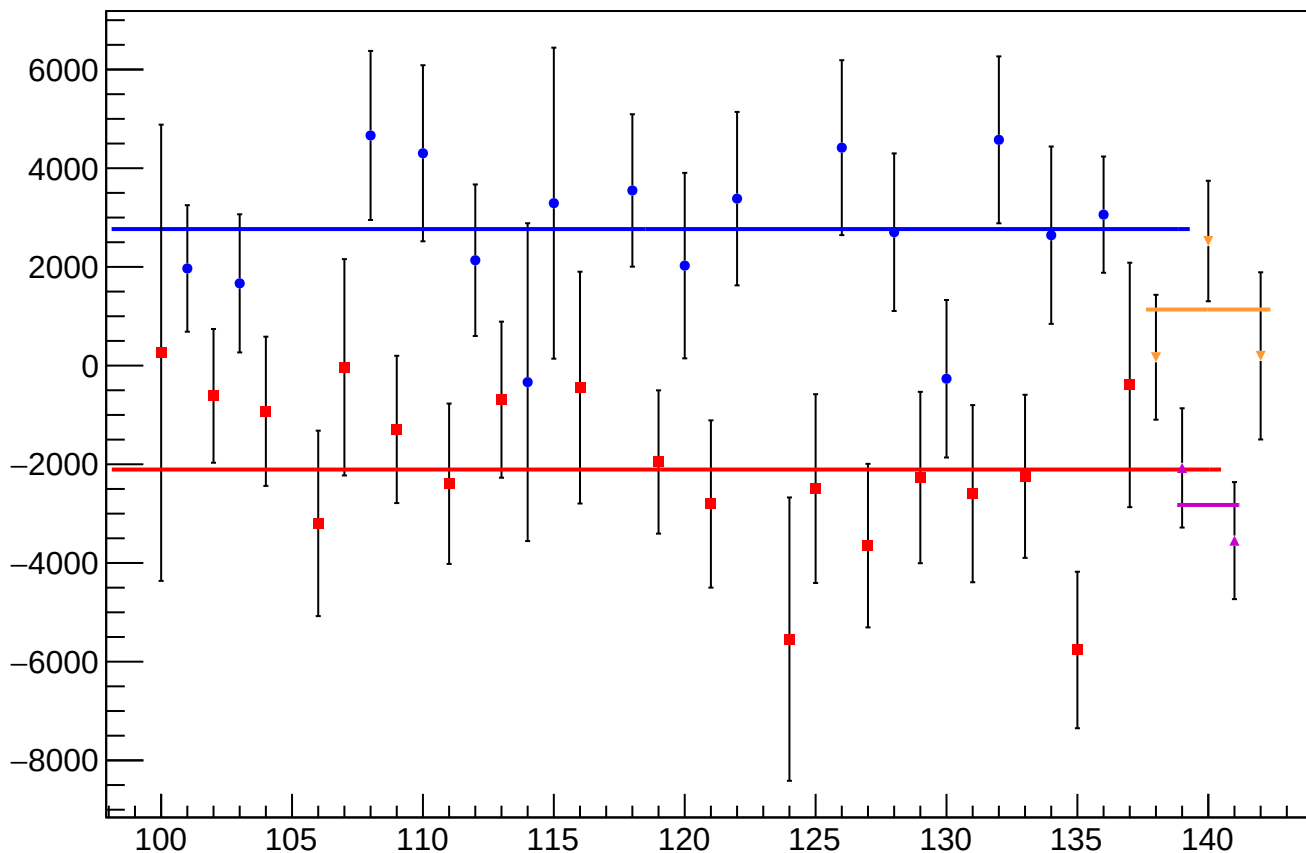
Left In: 1509.824+/-0.818 χ^2/NDF : 40383.6/1

+ sign 1584.046+/-0.377 χ^2/NDF : 766260.1/18

All: 1632.029+/-0.274 χ^2/NDF : 1340294.6/39

- sign 1685.998+/-0.400 χ^2/NDF : 539594.0/20

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656 ± 411.563 χ^2/NDF : 10.3/15

Left Out: 1136.088 ± 779.941 χ^2/NDF : 2.2/2

Right Out: -2106.360 ± 405.586 χ^2/NDF : 13.4/18

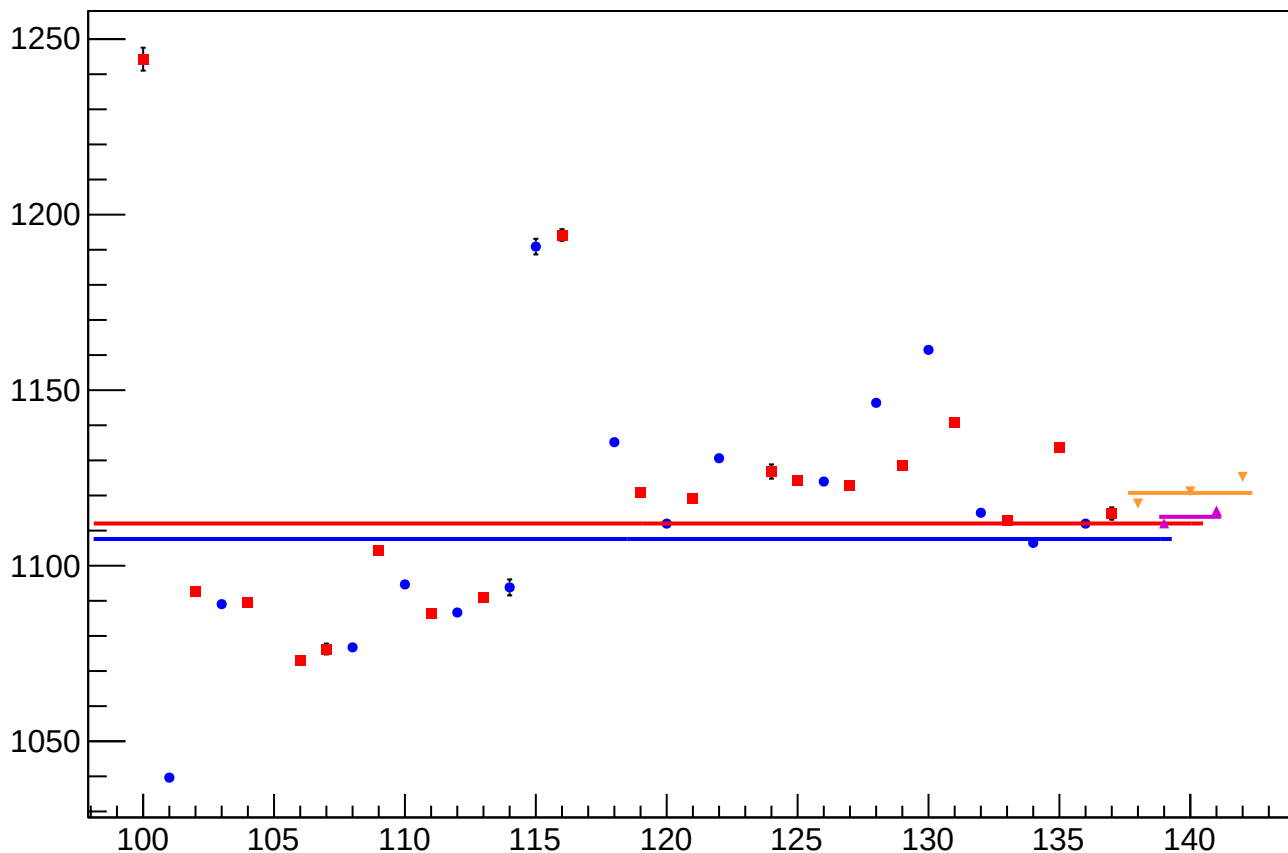
Left In: -2824.231 ± 846.546 χ^2/NDF : 0.8/1

+ sign 2411.513 ± 363.994 χ^2/NDF : 15.9/18

All: 96.903 ± 258.009 χ^2/NDF : 111.9/39

- sign -2240.379 ± 365.772 χ^2/NDF : 14.7/20

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF : 13220.7/15

Left Out: 1120.734+/-0.552 χ^2/NDF : 26.2/2

Right Out: 1112.029+/-0.287 χ^2/NDF : 8653.5/18

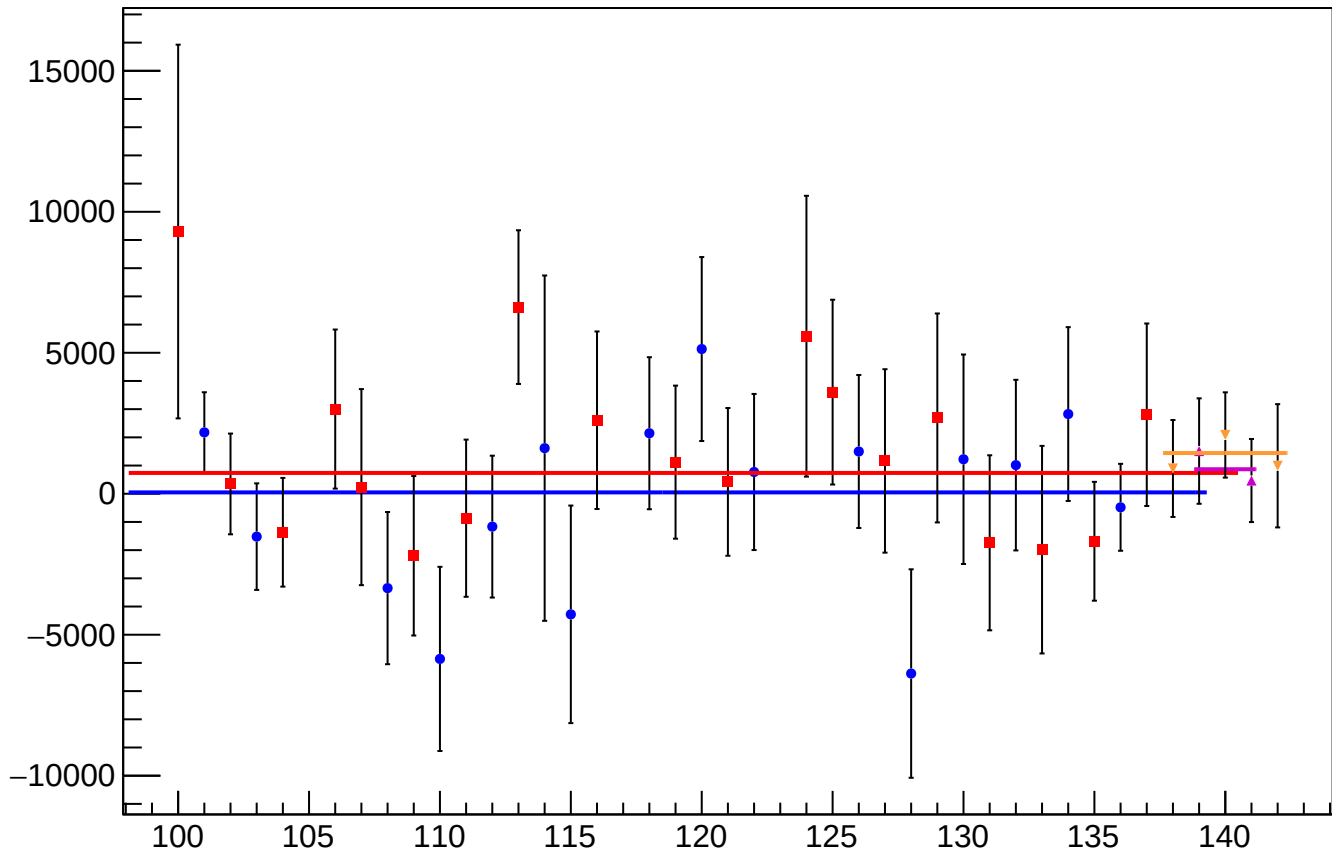
Left In: 1113.927+/-0.599 χ^2/NDF : 9.3/1

+ sign 1110.471+/-0.257 χ^2/NDF : 13689.6/18

All: 1111.423+/-0.182 χ^2/NDF : 22388.0/39

- sign 1112.383+/-0.259 χ^2/NDF : 8671.0/20

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF : 16.9/15

Left Out: 1444.004+/-1007.575 χ^2/NDF : 0.3/2

Right Out: 738.188+/-647.795 χ^2/NDF : 14.9/18

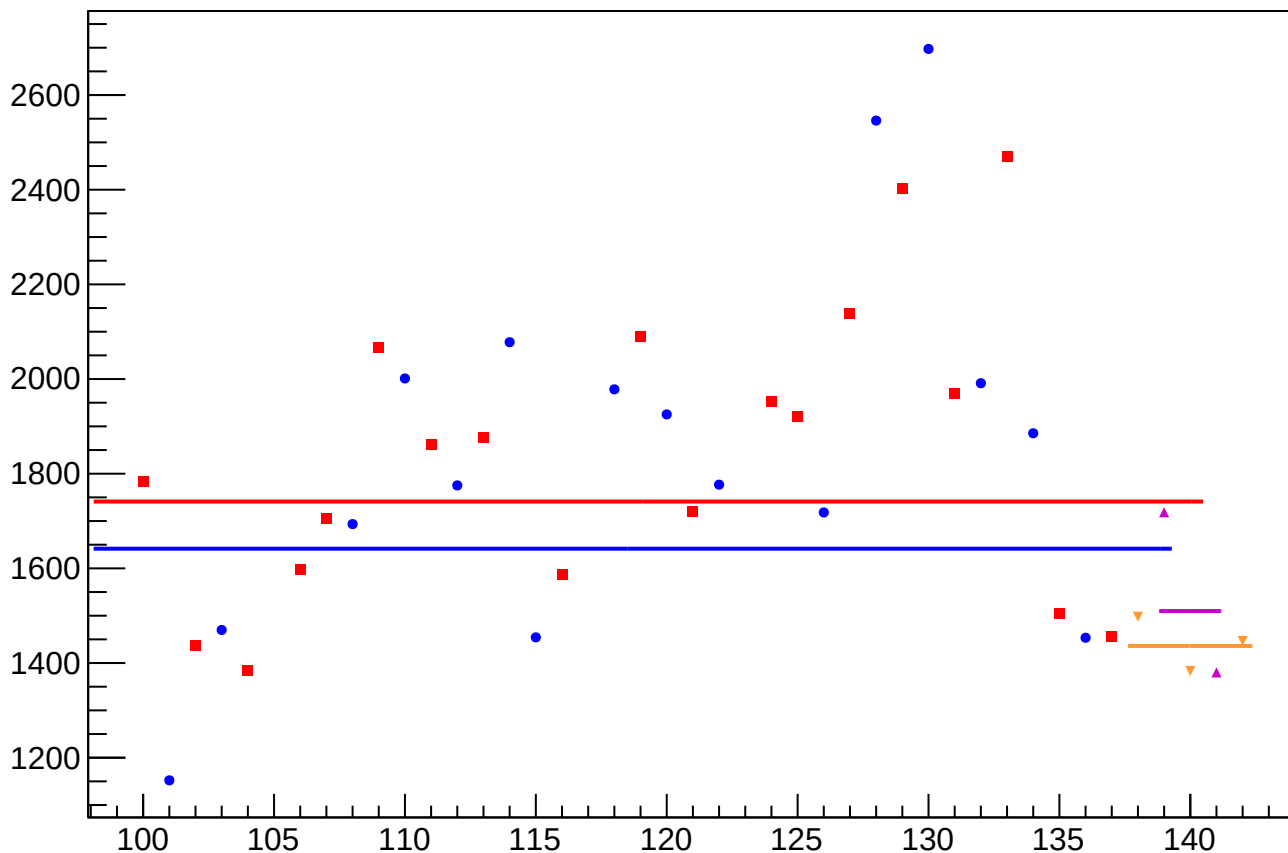
Left In: 869.282+/-1157.257 χ^2/NDF : 0.2/1

+ sign 438.501+/-532.991 χ^2/NDF : 18.6/18

All: 594.267+/-387.788 χ^2/NDF : 33.9/39

- sign 769.465+/-565.261 χ^2/NDF : 15.2/20

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF : 701299.1/15

Left Out: 1436.086+/-0.712 χ^2/NDF : 5059.4/2

Right Out: 1741.199+/-0.458 χ^2/NDF : 438324.1/18

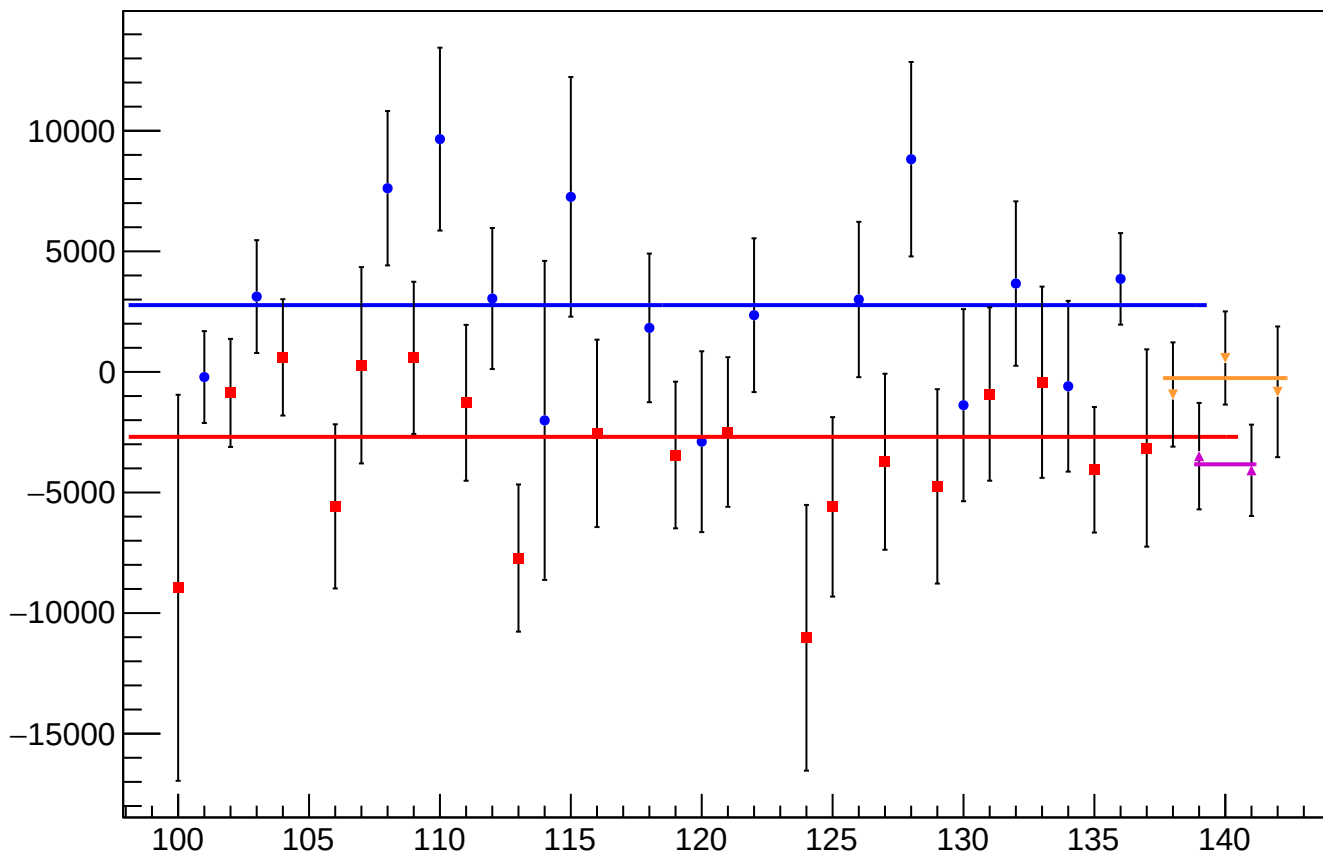
Left In: 1509.828+/-0.818 χ^2/NDF : 40384.7/1

+ sign 1584.046+/-0.377 χ^2/NDF : 766244.2/18

All: 1632.029+/-0.274 χ^2/NDF : 1340264.5/39

- sign 1685.998+/-0.400 χ^2/NDF : 539579.7/20

asym_usr_mean vs Slug



Right In: 2769.952 $\pm$ 757.109 χ^2 /NDF: 16.4/15

Left Out: -255.356 $\pm$ 1272.130 χ^2 /NDF:0.3/2

Right Out: -2692.625 $\pm$ 765.754 χ^2 /NDF: 12.5/18

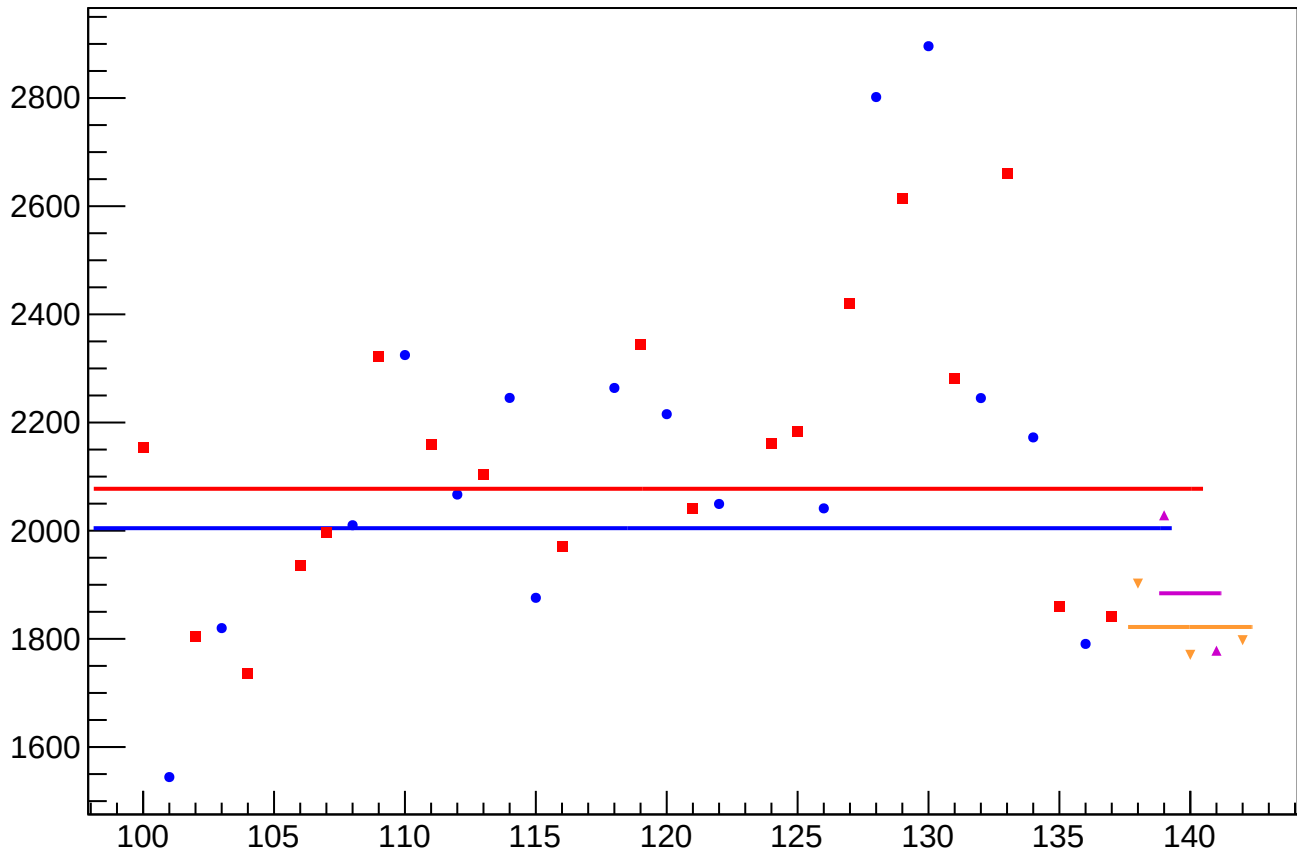
Left In: -3830.829 $\pm$ 1437.152 χ^2 /NDF:0.0/1

+ sign 1978.655 $\pm$ 650.603 χ^2 /NDF: 21.0/18

All: -389.319 $\pm$ 468.703 χ^2 /NDF: 61.6/39

- sign -2944.312 $\pm$ 675.807 χ^2 /NDF: 13.1/20

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF : 387567.3/15

Left Out: 1821.973+/-0.900 χ^2/NDF : 4334.4/2

+ sign 1956.858+/-0.460 χ^2/NDF : 422351.1/18

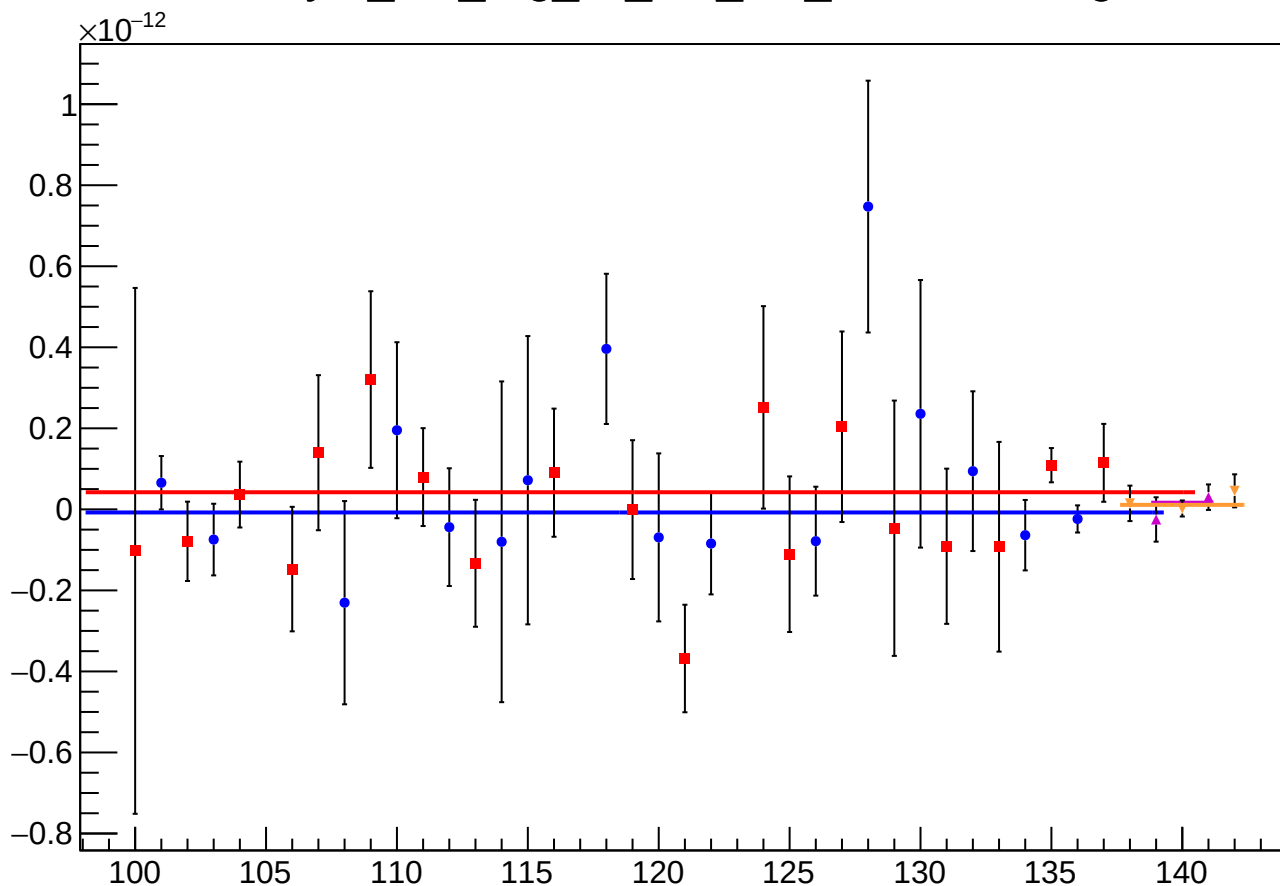
Right Out: 2077.500+/-0.541 χ^2/NDF : 230482.0/18

All: 1994.335+/-0.331 χ^2/NDF : 709615.4/39

- sign 2034.771+/-0.478 χ^2/NDF : 273468.0/20

Left In: 1884.264+/-1.016 χ^2/NDF : 14823.6/1

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 : 0.9/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.8/18

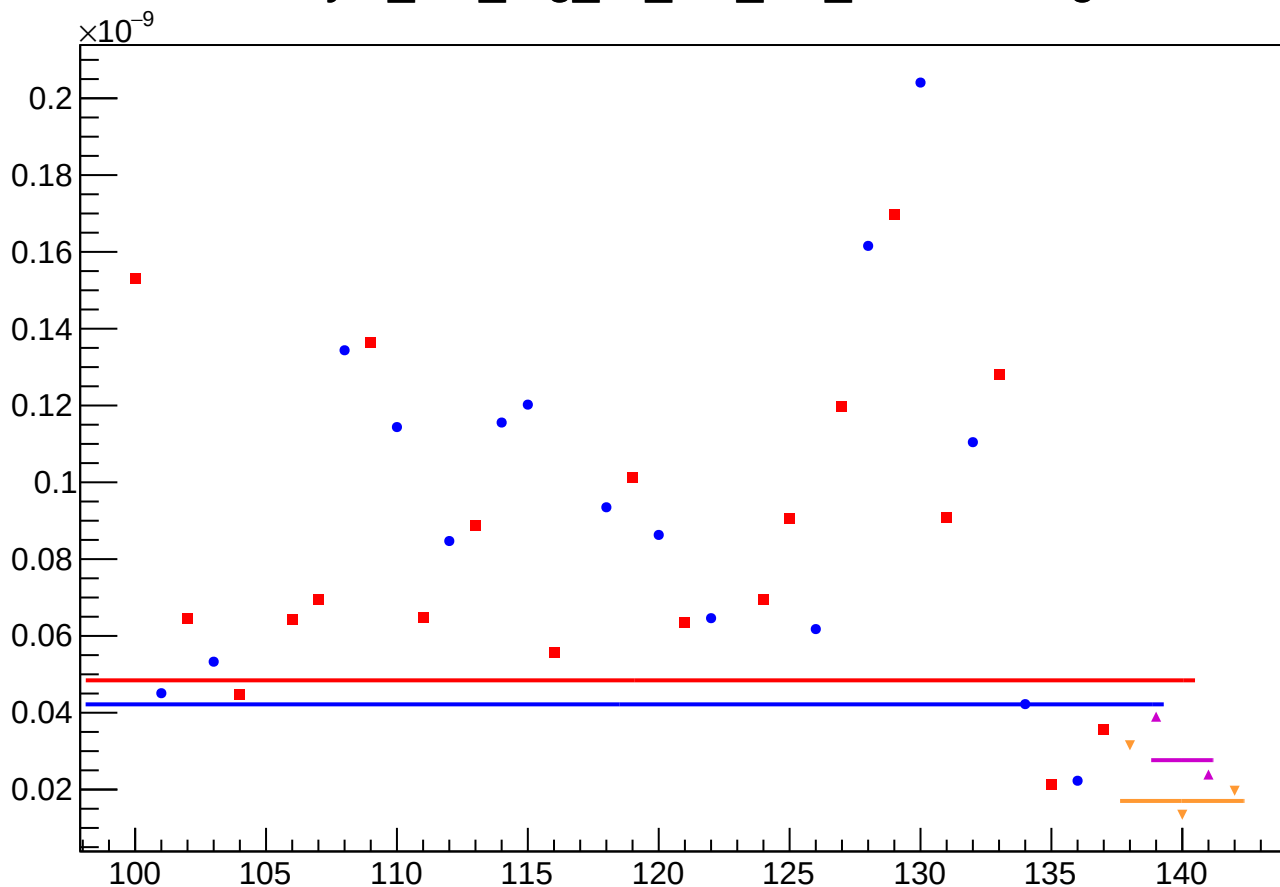
Left In: 0.000 ± 0.000 χ^2/NDF : 0.8/1

+ sign 0.000 ± 0.000 χ^2/NDF : 17.8/18

All: 0.000 ± 0.000 χ^2/NDF : 41.8/39

- sign 0.000 ± 0.000 χ^2/NDF : 23.0/20

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 : 293747.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2604483.4/18

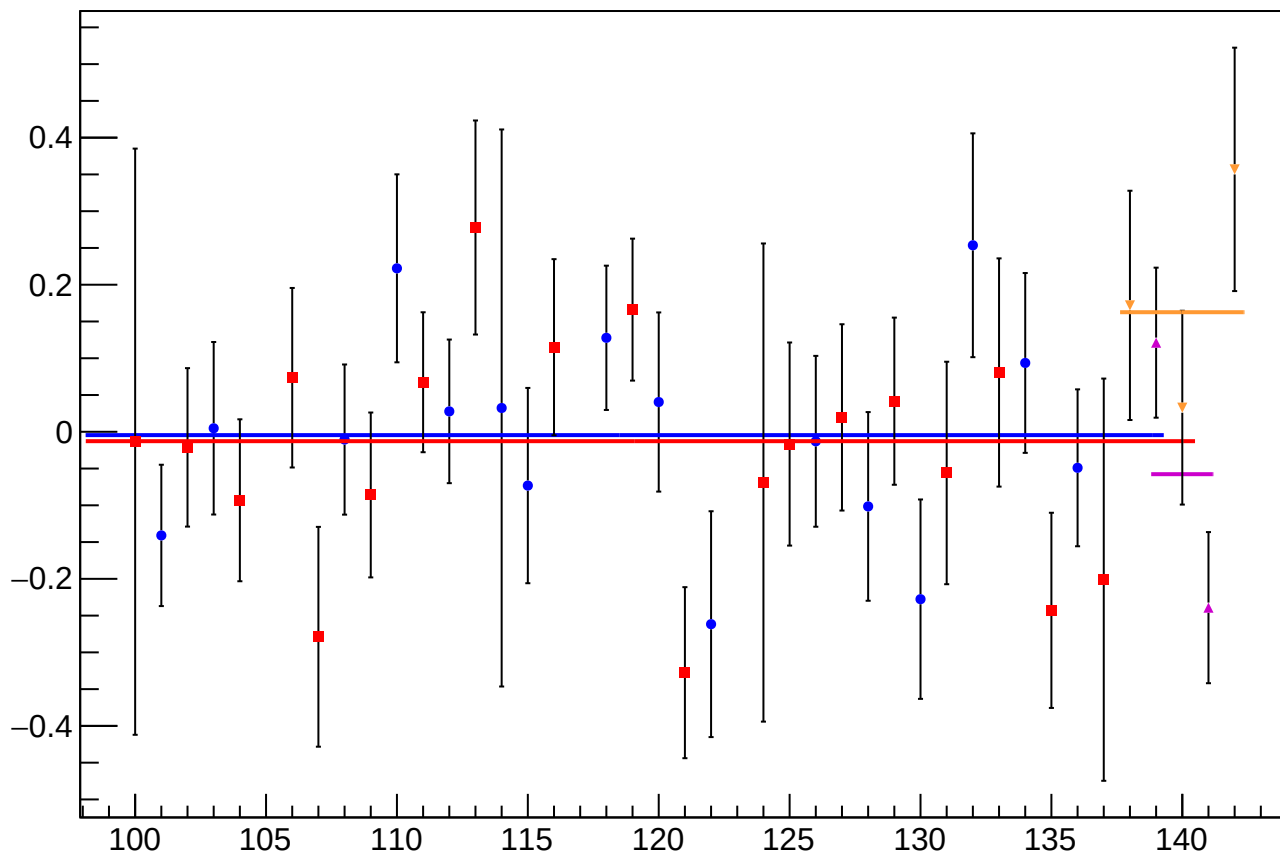
Left In: 0.000+/-0.000 χ^2/NDF : 113800.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 4694902.6/18

All: 0.000+/-0.000 χ^2/NDF : 8624912.6/39

- sign 0.000+/-0.000 χ^2/NDF : 3304295.7/20

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.005 ± 0.030 χ^2/NDF : 17.3/15

Left Out: 0.163 ± 0.086 χ^2/NDF : 2.4/2

Right Out: -0.013 ± 0.030 χ^2/NDF : 25.5/18

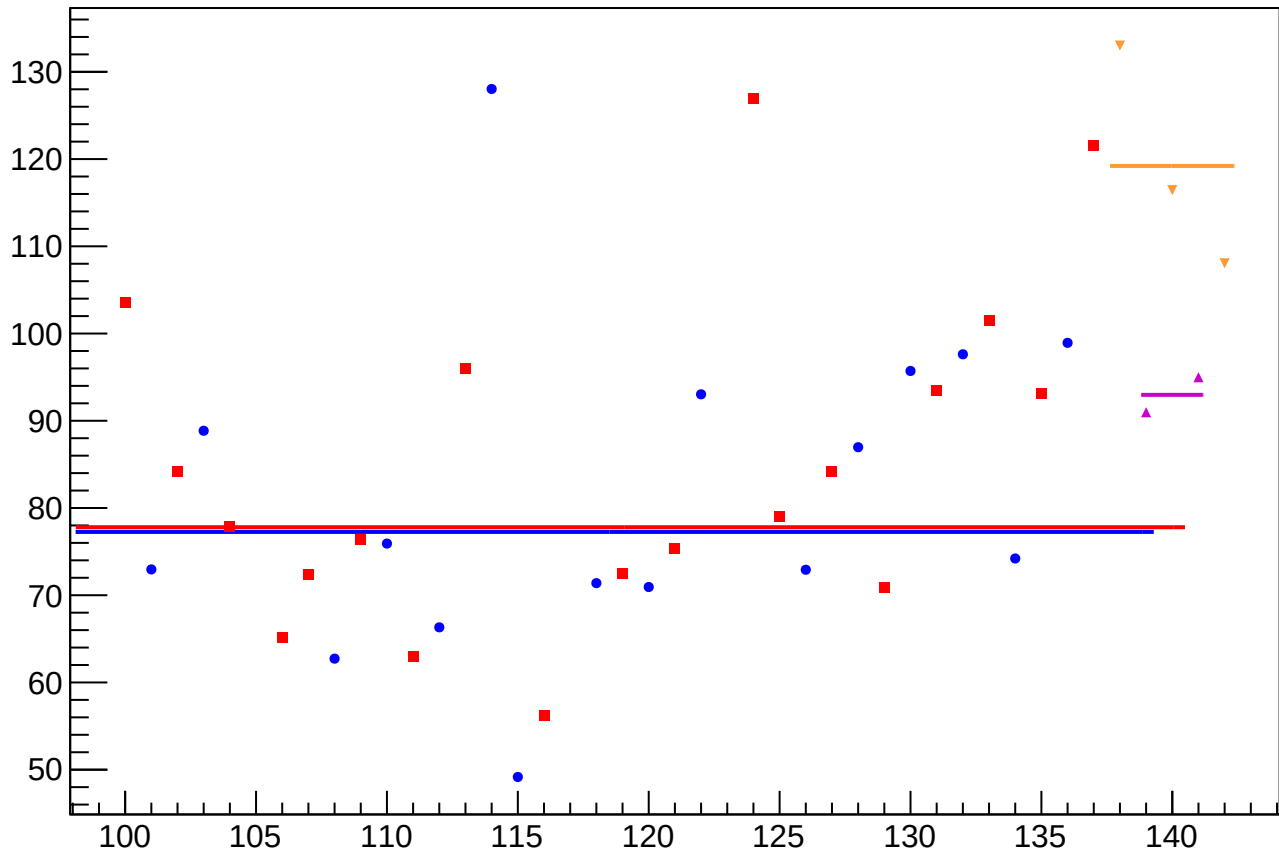
Left In: -0.058 ± 0.072 χ^2/NDF : 6.2/1

+ sign 0.014 ± 0.028 χ^2/NDF : 23.0/18

All: -0.003 ± 0.020 χ^2/NDF : 55.7/39

- sign -0.019 ± 0.027 χ^2/NDF : 32.0/20

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2 /NDF: 419290.2/15

Left Out: 119.216+/-0.061 χ^2 /NDF:25629.9/2

Right Out: 77.796+/-0.021 χ^2 /NDF: 396477.1/18

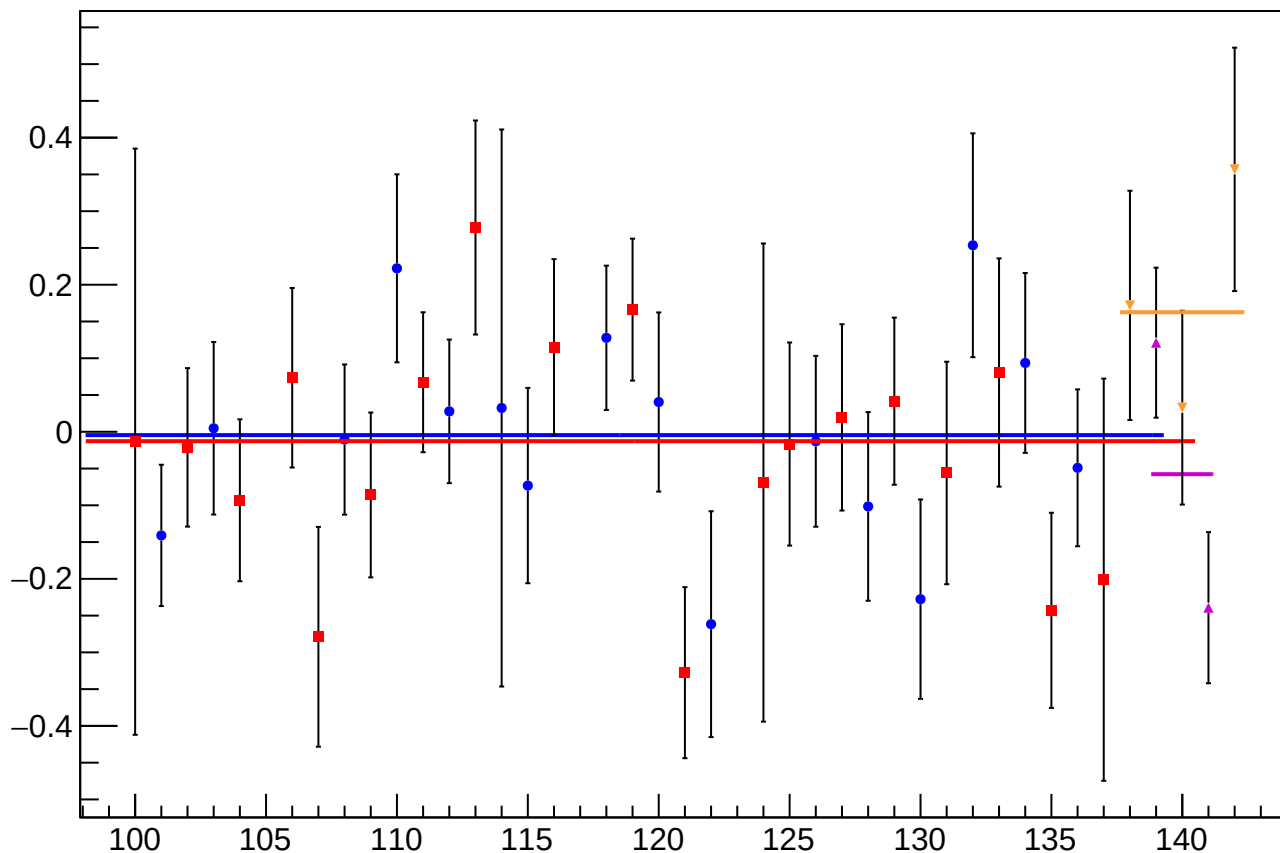
Left In: 92.971+/-0.051 χ^2 /NDF:1535.6/1

+ sign 81.824+/-0.020 χ^2 /NDF: 869157.2/18

All: 80.876+/-0.014 χ^2 /NDF: 1346683.8/39

- sign 79.985+/-0.019 χ^2 /NDF: 473191.2/20

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005 ± 0.030 χ^2/NDF : 17.3/15

Left Out: 0.163 ± 0.086 χ^2/NDF : 2.4/2

Right Out: -0.013 ± 0.030 χ^2/NDF : 25.5/18

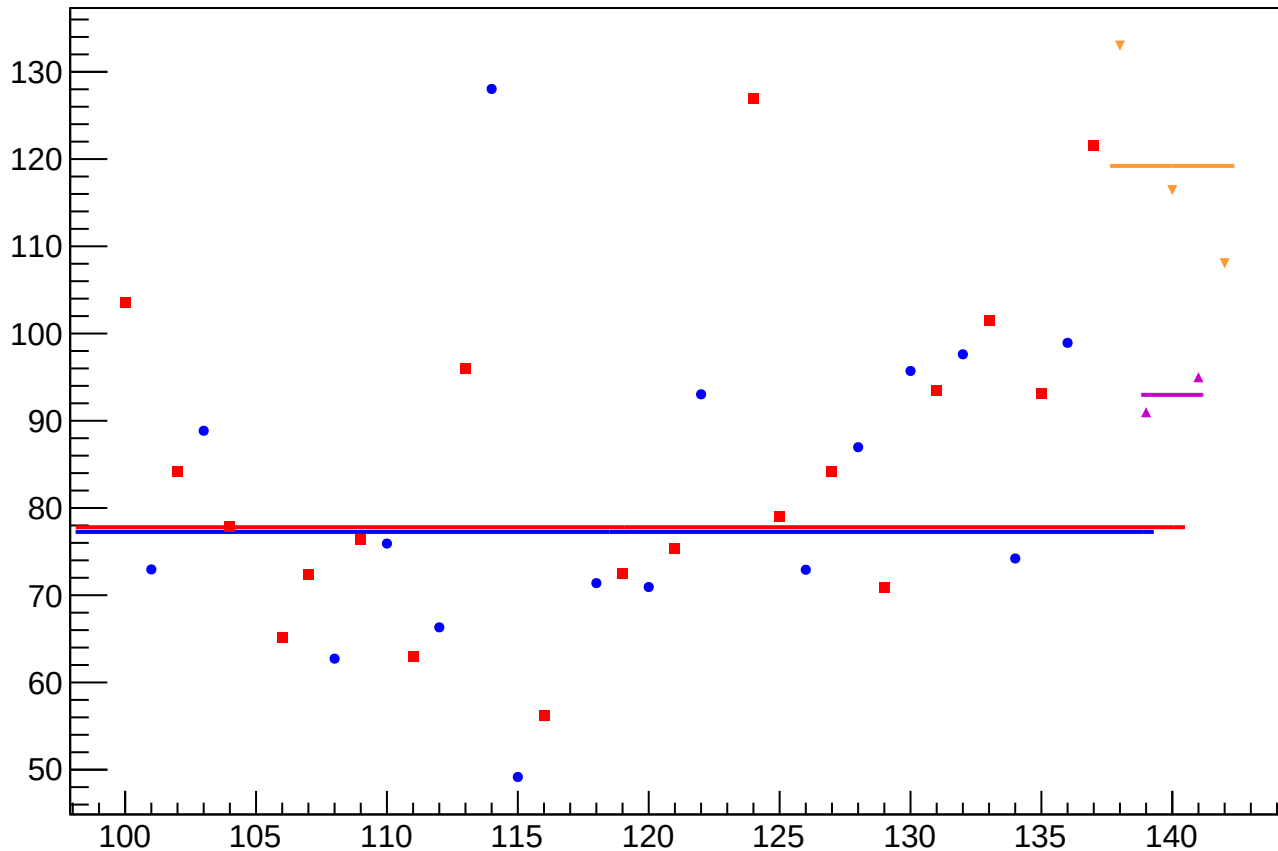
Left In: -0.058 ± 0.072 χ^2/NDF : 6.2/1

+ sign 0.014 ± 0.028 χ^2/NDF : 23.0/18

All: -0.003 ± 0.020 χ^2/NDF : 55.7/39

- sign -0.019 ± 0.027 χ^2/NDF : 32.0/20

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: 119.216 $\pm$ 0.061 χ^2 /NDF: 25629.9/2

Right Out: 77.796 $\pm$ 0.021 χ^2 /NDF: 396477.1/18

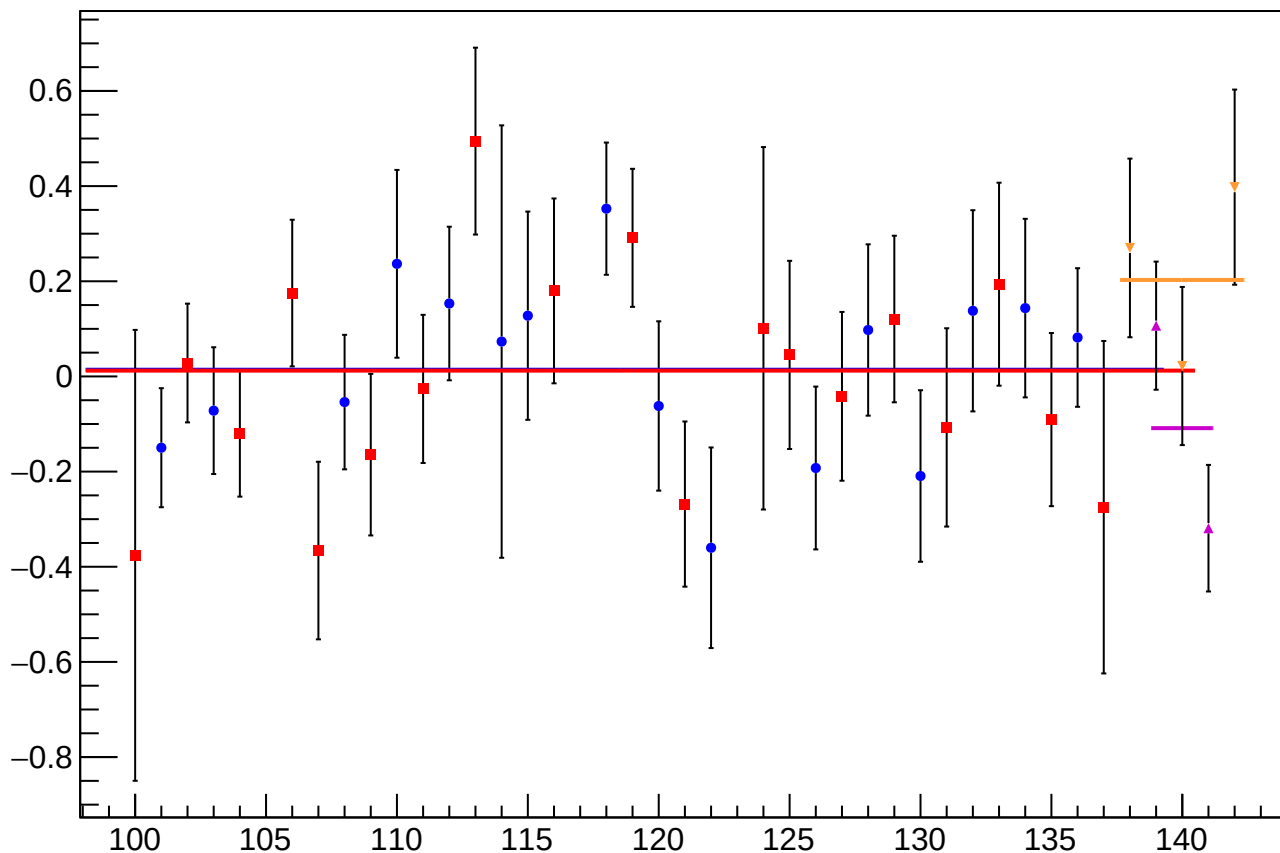
Left In: 92.971 $\pm$ 0.051 χ^2 /NDF: 1535.6/1

+ sign 81.824 $\pm$ 0.020 χ^2 /NDF: 869157.2/18

All: 80.876 $\pm$ 0.014 χ^2 /NDF: 1346683.8/39

- sign 79.985 $\pm$ 0.019 χ^2 /NDF: 473191.2/20

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.042 χ^2 /NDF: 18.2/15

Left Out: 0.203 $\pm$ 0.106 χ^2 /NDF: 2.2/2

Right Out: 0.012 $\pm$ 0.041 χ^2 /NDF: 23.8/18

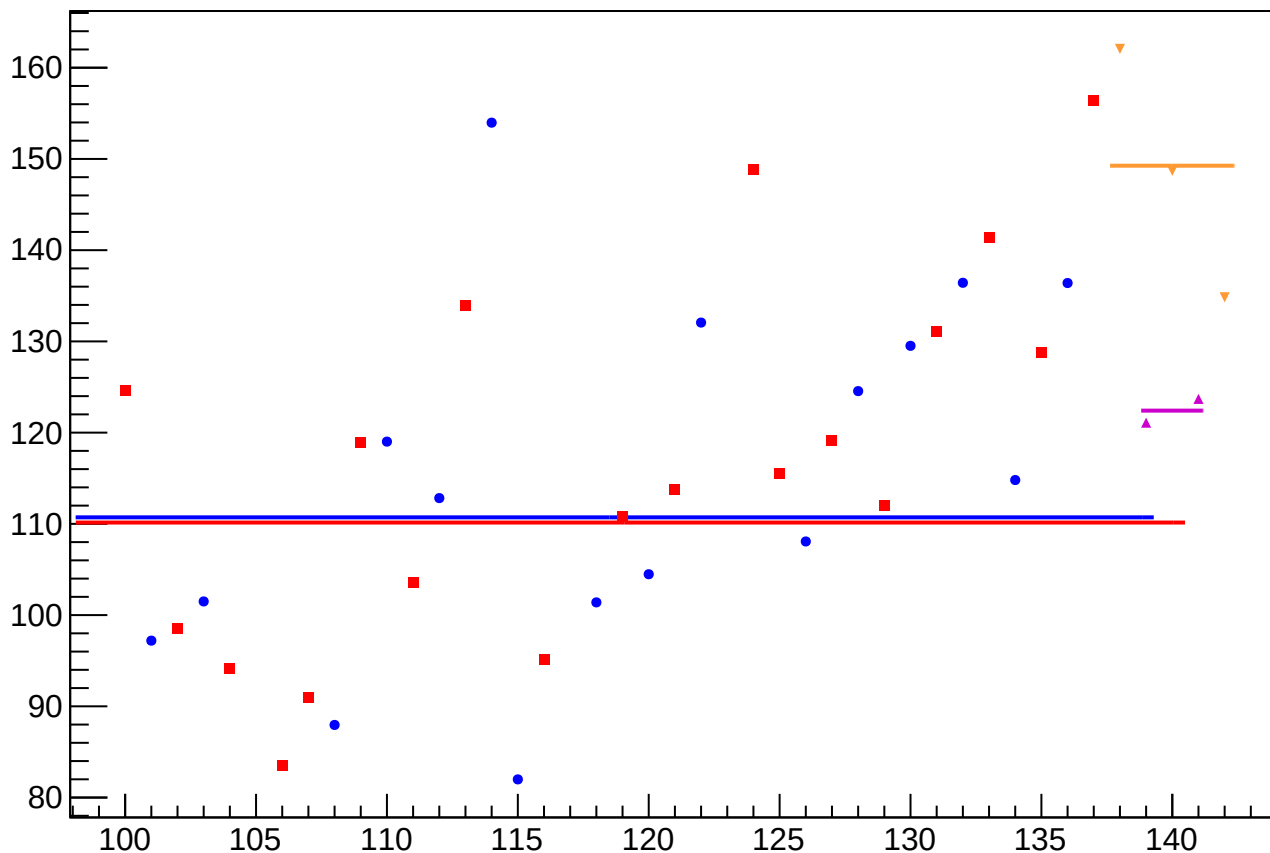
Left In: -0.109 $\pm$ 0.095 χ^2 /NDF: 5.1/1

+ sign 0.040 $\pm$ 0.039 χ^2 /NDF: 23.1/18

All: 0.015 $\pm$ 0.027 χ^2 /NDF: 54.0/39

- sign -0.007 $\pm$ 0.038 χ^2 /NDF: 30.2/20

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714 $\pm$ 0.030 χ^2 /NDF: 299972.8/15

Left Out: 149.259 $\pm$ 0.075 χ^2 /NDF:19223.5/2

Right Out: 110.145 $\pm$ 0.029 χ^2 /NDF: 326726.5/18

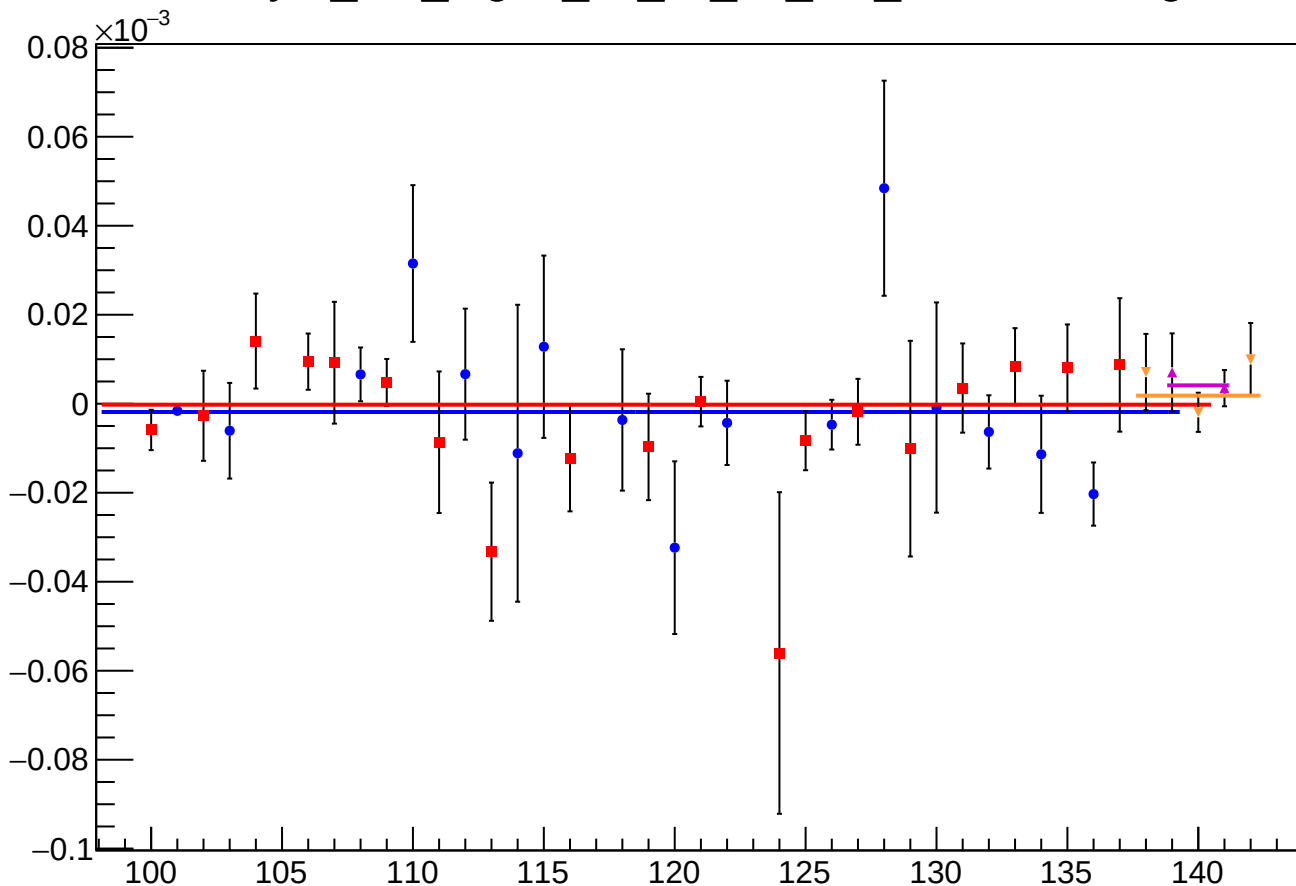
Left In: 122.412 $\pm$ 0.067 χ^2 /NDF:380.0/1

+ sign 115.970 $\pm$ 0.028 χ^2 /NDF: 545935.5/18

All: 113.968 $\pm$ 0.019 χ^2 /NDF: 911291.2/39

- sign 112.109 $\pm$ 0.027 χ^2 /NDF: 355338.8/20

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 : 2.1/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.9/18

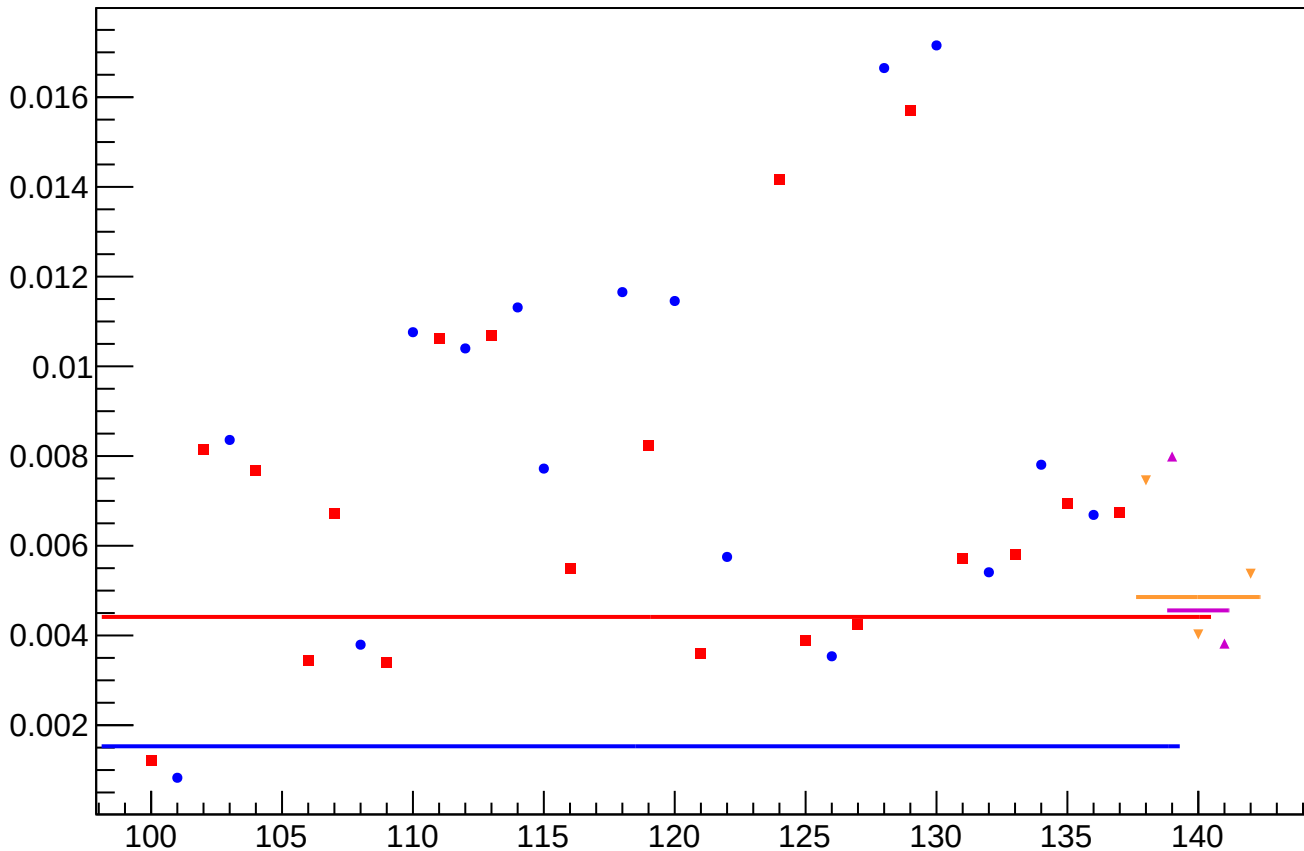
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 24.5/18

All: -0.000 ± 0.000 χ^2/NDF : 47.0/39

- sign 0.000 ± 0.000 χ^2/NDF : 21.1/20

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 +/- 0.000 χ^2/NDF : 9222940.9/15

Left Out: 0.005 +/- 0.000 χ^2/NDF : 263726.7/2

Right Out: 0.004 +/- 0.000 χ^2/NDF : 3388069.5/18

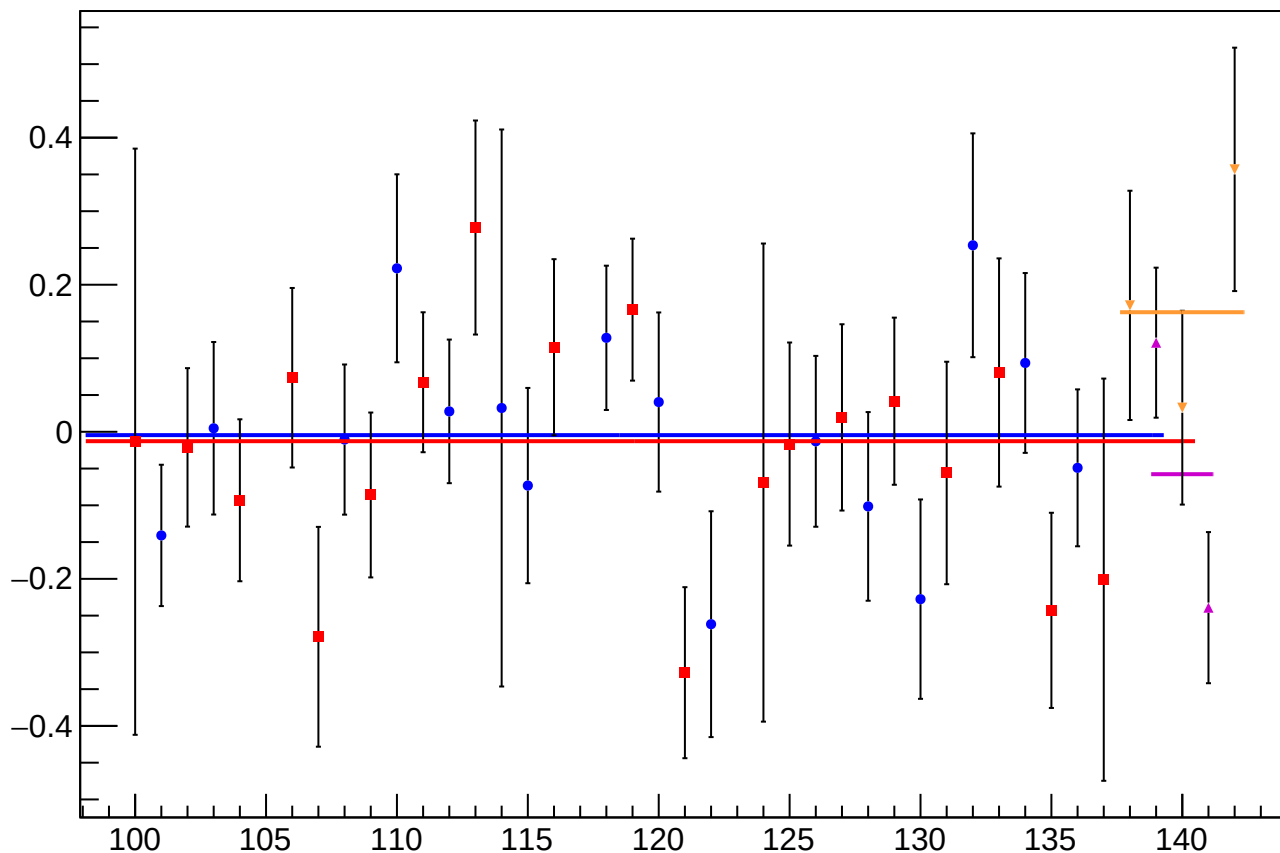
Left In: 0.005 +/- 0.000 χ^2/NDF : 372838.7/1

+ sign 0.002 +/- 0.000 χ^2/NDF : 11137983.3/18

All: 0.002 +/- 0.000 χ^2/NDF : 18687136.3/39

- sign 0.004 +/- 0.000 χ^2/NDF : 3763350.7/20

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005 ± 0.030 χ^2/NDF : 17.3/15

Left Out: 0.163 ± 0.086 χ^2/NDF : 2.4/2

Right Out: -0.013 ± 0.030 χ^2/NDF : 25.5/18

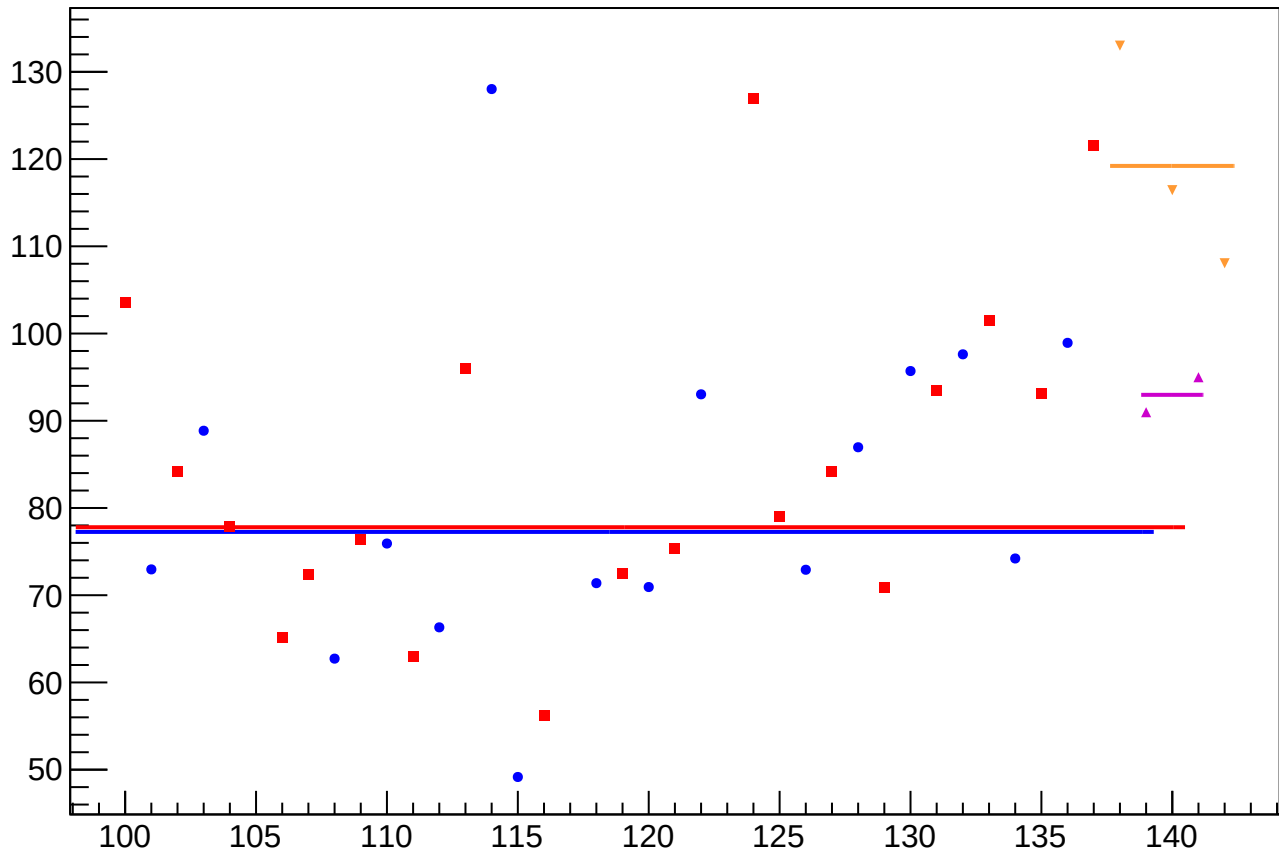
Left In: -0.058 ± 0.072 χ^2/NDF : 6.2/1

+ sign 0.014 ± 0.028 χ^2/NDF : 23.0/18

All: -0.003 ± 0.020 χ^2/NDF : 55.7/39

- sign -0.019 ± 0.027 χ^2/NDF : 32.0/20

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: 119.216 $\pm$ 0.061 χ^2 /NDF: 25628.7/2

Right Out: 77.795 $\pm$ 0.021 χ^2 /NDF: 396473.9/18

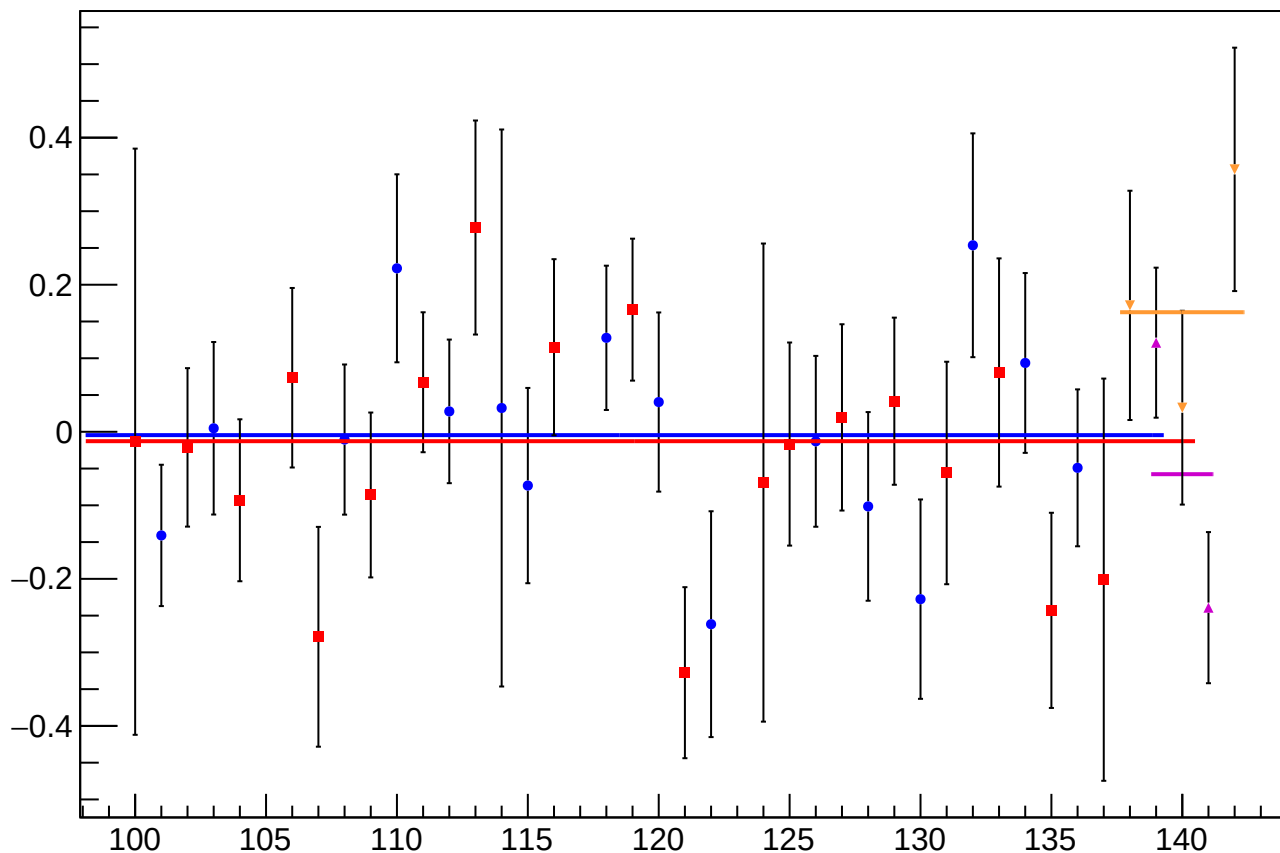
Left In: 92.971 $\pm$ 0.051 χ^2 /NDF: 1534.1/1

+ sign 81.823 $\pm$ 0.020 χ^2 /NDF: 869184.5/18

All: 80.874 $\pm$ 0.014 χ^2 /NDF: 1346727.8/39

- sign 79.983 $\pm$ 0.019 χ^2 /NDF: 473208.5/20

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005 ± 0.030 χ^2/NDF : 17.3/15

Left Out: 0.163 ± 0.086 χ^2/NDF : 2.4/2

Right Out: -0.013 ± 0.030 χ^2/NDF : 25.5/18

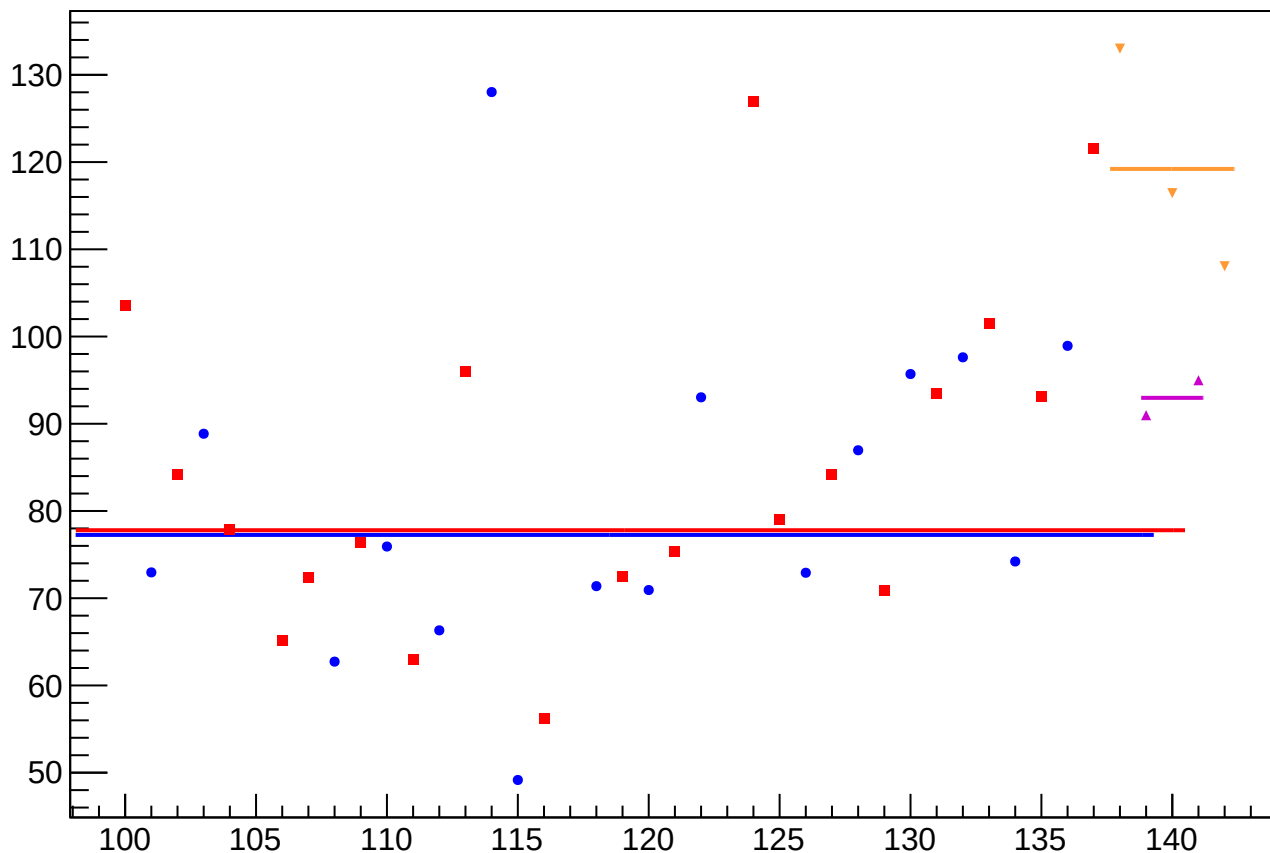
Left In: -0.058 ± 0.072 χ^2/NDF : 6.2/1

+ sign 0.014 ± 0.028 χ^2/NDF : 23.0/18

All: -0.003 ± 0.020 χ^2/NDF : 55.7/39

- sign -0.019 ± 0.027 χ^2/NDF : 32.0/20

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: 119.216 $\pm$ 0.061 χ^2 /NDF: 25628.7/2

Right Out: 77.795 $\pm$ 0.021 χ^2 /NDF: 396473.9/18

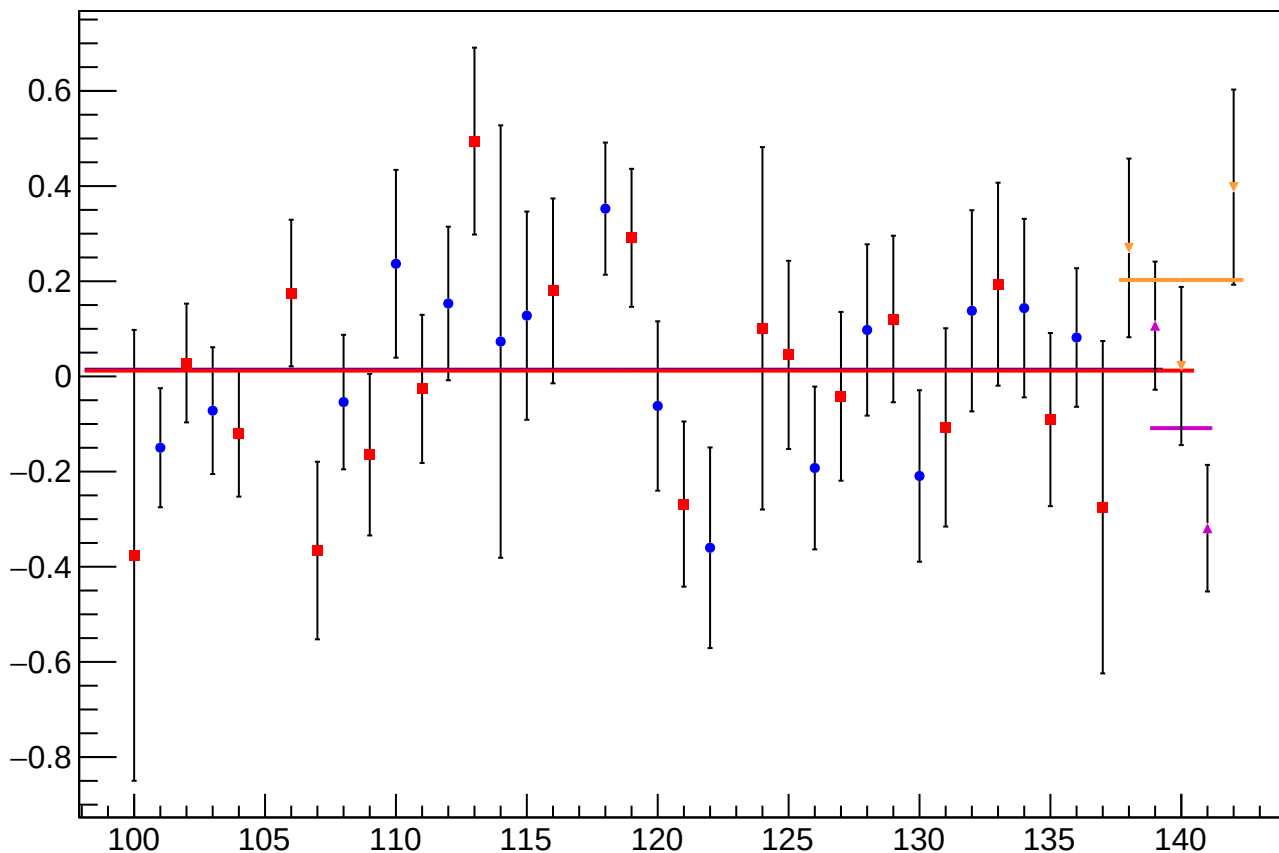
Left In: 92.971 $\pm$ 0.051 χ^2 /NDF: 1534.1/1

+ sign 81.823 $\pm$ 0.020 χ^2 /NDF: 869184.5/18

All: 80.874 $\pm$ 0.014 χ^2 /NDF: 1346727.8/39

- sign 79.983 $\pm$ 0.019 χ^2 /NDF: 473208.5/20

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.042 χ^2 /NDF: 18.2/15

Left Out: 0.203 $\pm$ 0.106 χ^2 /NDF: 2.2/2

Right Out: 0.012 $\pm$ 0.041 χ^2 /NDF: 23.8/18

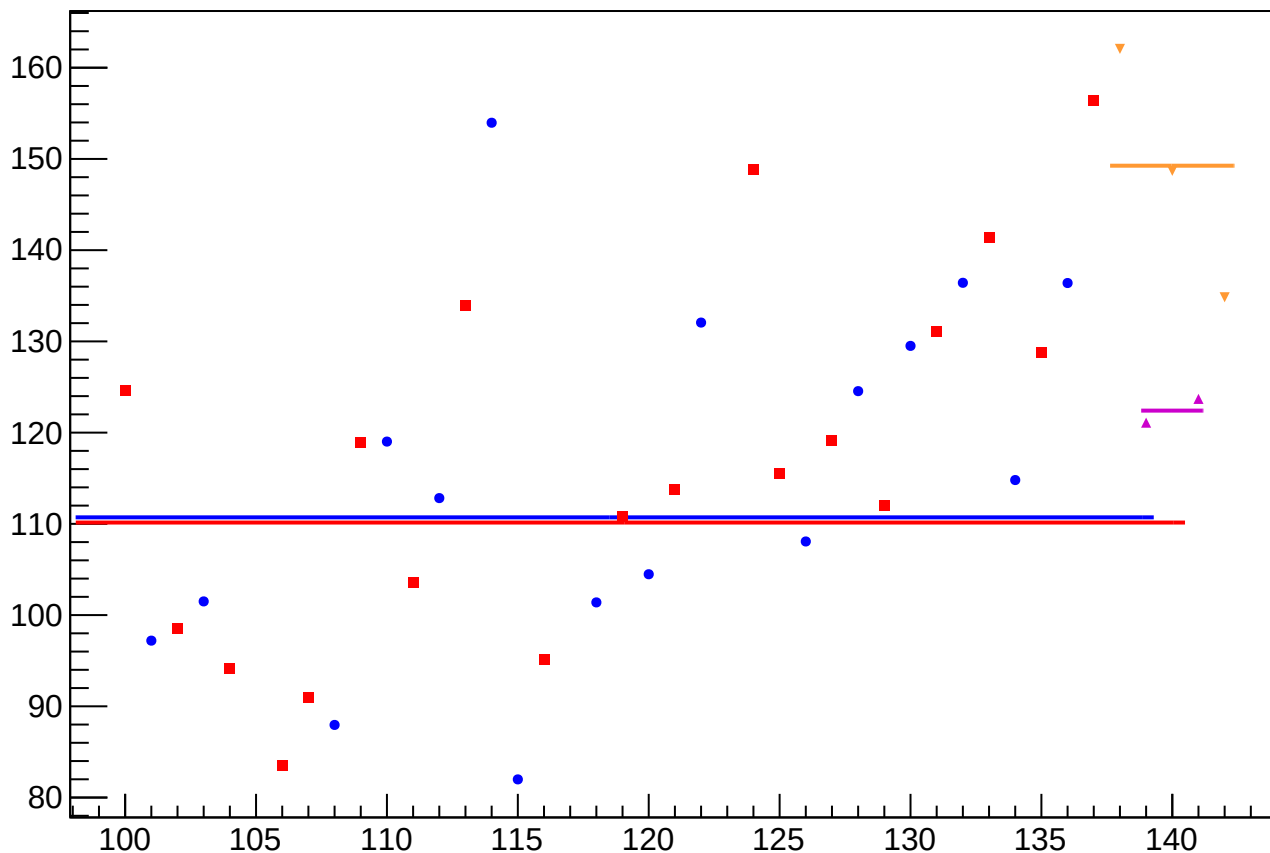
Left In: -0.109 $\pm$ 0.095 χ^2 /NDF: 5.1/1

+ sign 0.040 $\pm$ 0.039 χ^2 /NDF: 23.1/18

All: 0.015 $\pm$ 0.027 χ^2 /NDF: 54.0/39

- sign -0.007 $\pm$ 0.038 χ^2 /NDF: 30.2/20

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: 149.259 $\pm$ 0.075 χ^2 /NDF:19221.7/2

Right Out: 110.144 $\pm$ 0.029 χ^2 /NDF: 326696.7/18

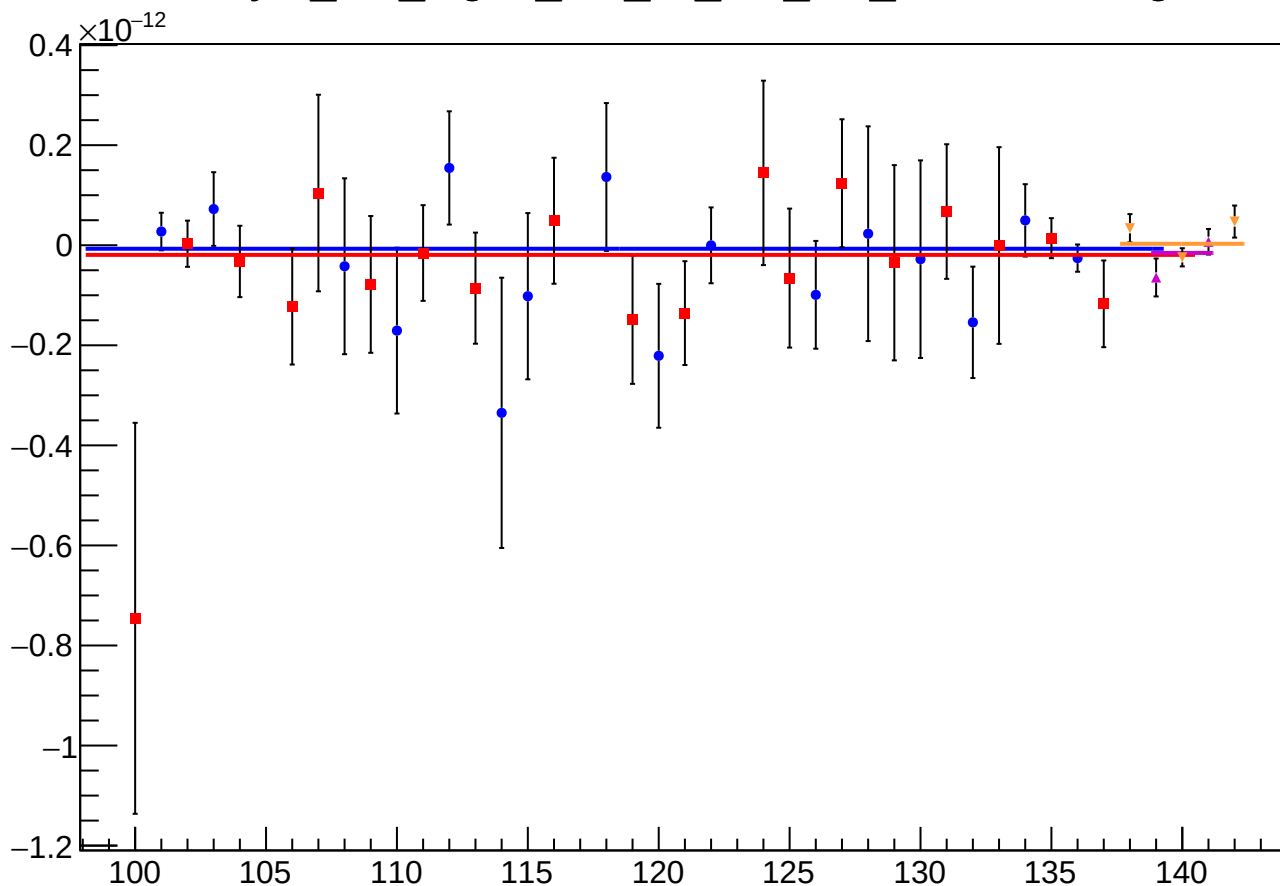
Left In: 122.413 $\pm$ 0.067 χ^2 /NDF:379.5/1

+ sign 115.969 $\pm$ 0.028 χ^2 /NDF: 545924.1/18

All: 113.967 $\pm$ 0.019 χ^2 /NDF: 911254.5/39

- sign 112.108 $\pm$ 0.027 χ^2 /NDF: 355314.5/20

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 : 5.4/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.6/18

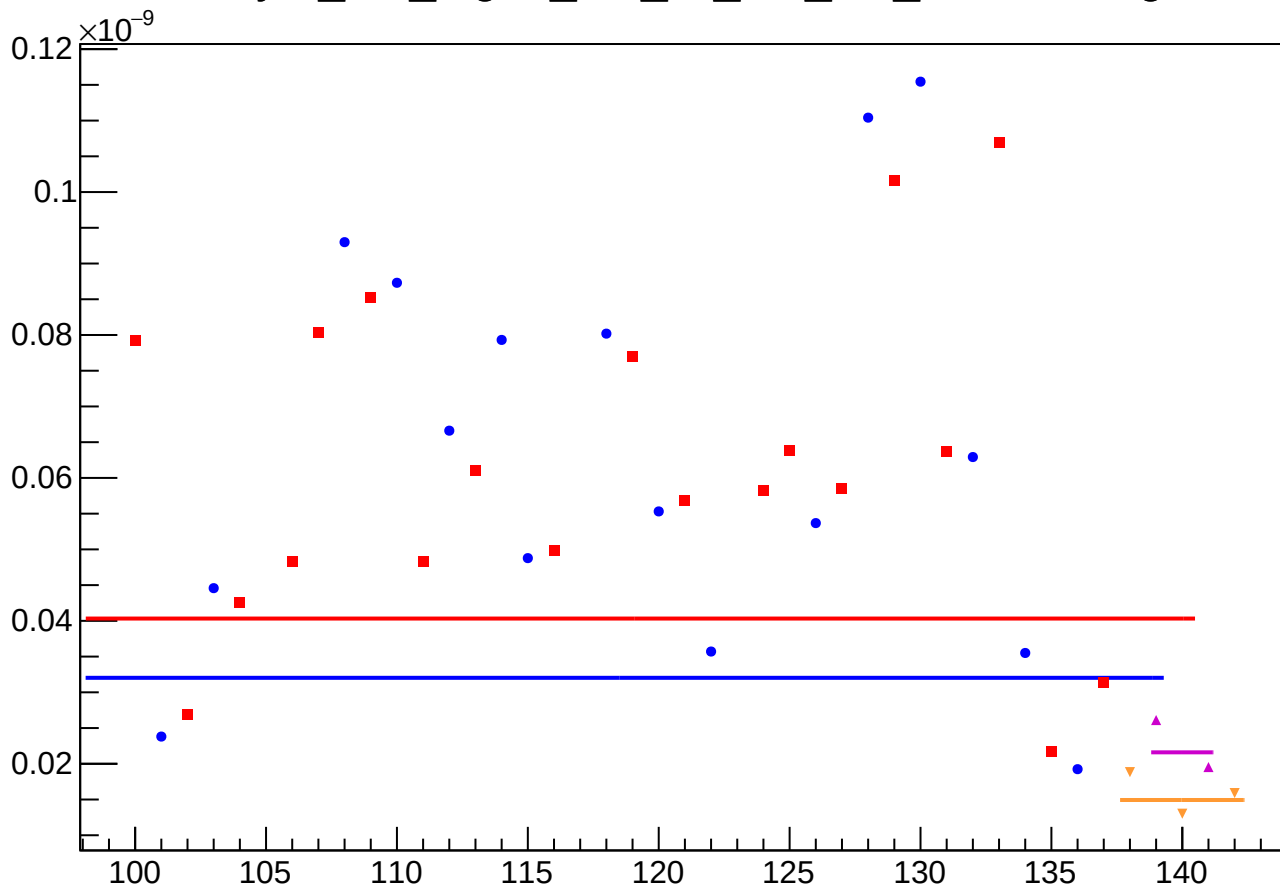
Left In: -0.000 ± 0.000 χ^2/NDF : 2.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 19.2/18

All: -0.000 ± 0.000 χ^2/NDF : 35.0/39

- sign -0.000 ± 0.000 χ^2/NDF : 15.0/20

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 : 62365.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1866332.6/18

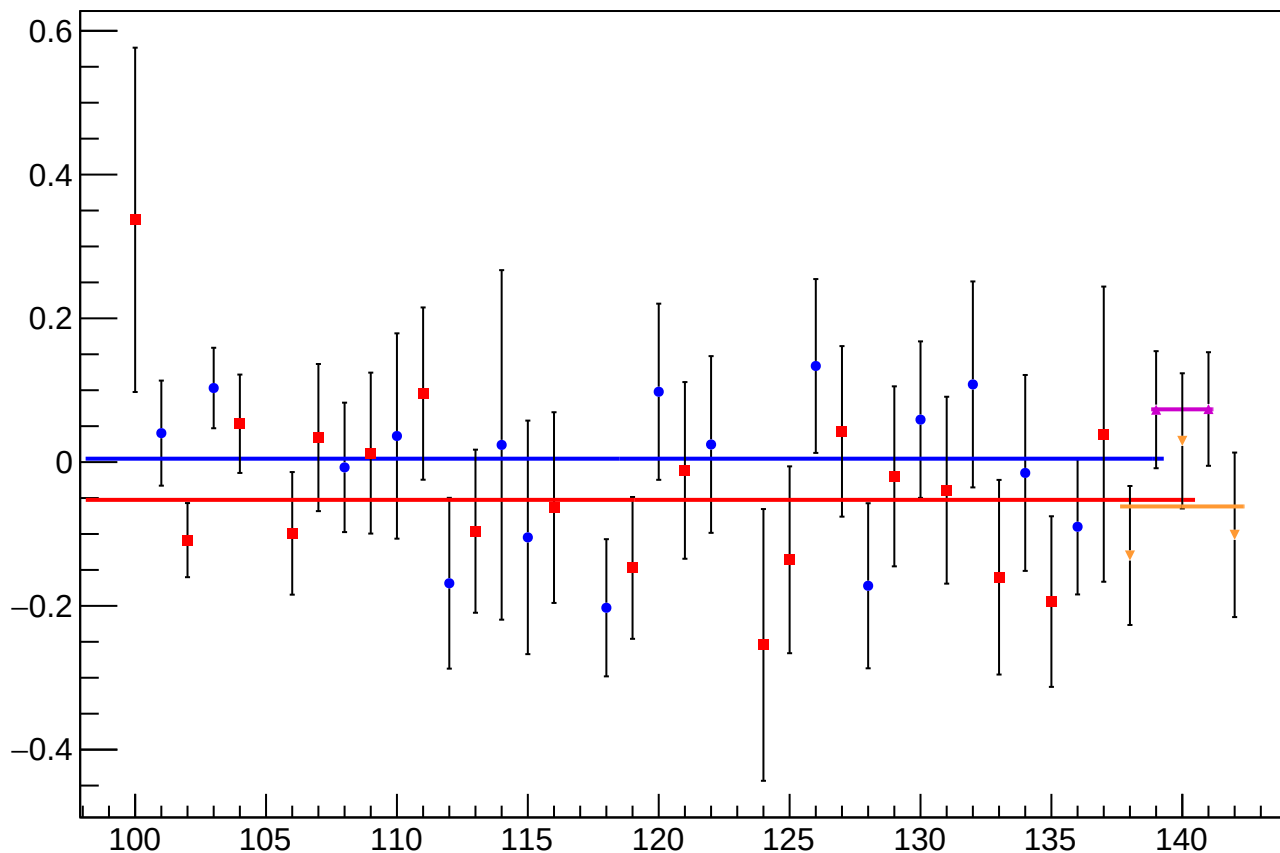
Left In: 0.000+/-0.000 χ^2/NDF : 41282.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 3666303.9/18

All: 0.000+/-0.000 χ^2/NDF : 6906581.3/39

- sign 0.000+/-0.000 χ^2/NDF : 2689306.0/20

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005 ± 0.026 χ^2/NDF : 16.6/15

Left Out: -0.062 ± 0.058 χ^2/NDF : 1.6/2

Right Out: -0.053 ± 0.024 χ^2/NDF : 14.8/18

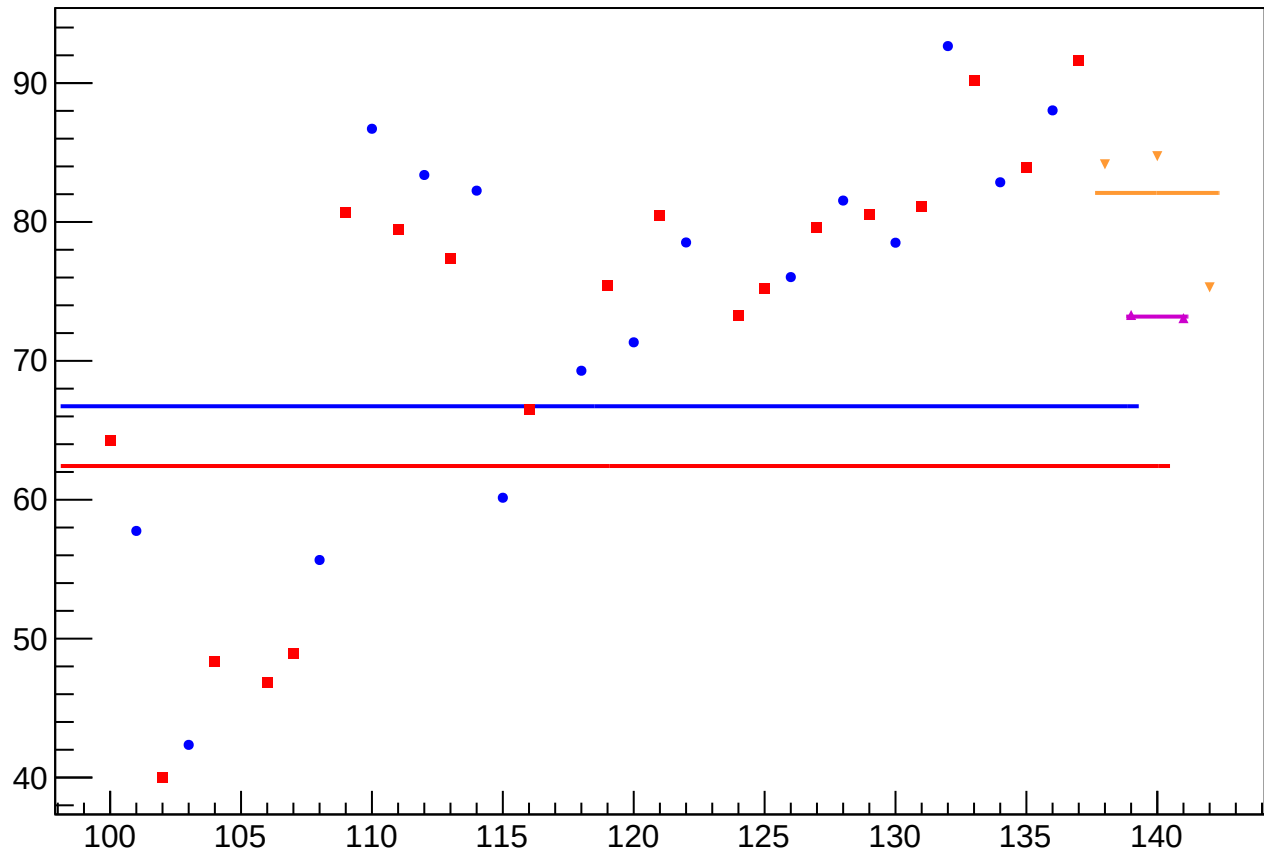
Left In: 0.073 ± 0.057 χ^2/NDF : 0.0/1

+ sign -0.006 ± 0.024 χ^2/NDF : 19.3/18

All: -0.021 ± 0.016 χ^2/NDF : 38.9/39

- sign -0.033 ± 0.022 χ^2/NDF : 19.0/20

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732 ± 0.018 $\chi^2/\text{NDF}: 816752.6/15$

Left Out: 82.092 ± 0.041 $\chi^2/\text{NDF}: 9546.6/2$

Right Out: 62.429 ± 0.017 $\chi^2/\text{NDF}: 1114078.0/18$

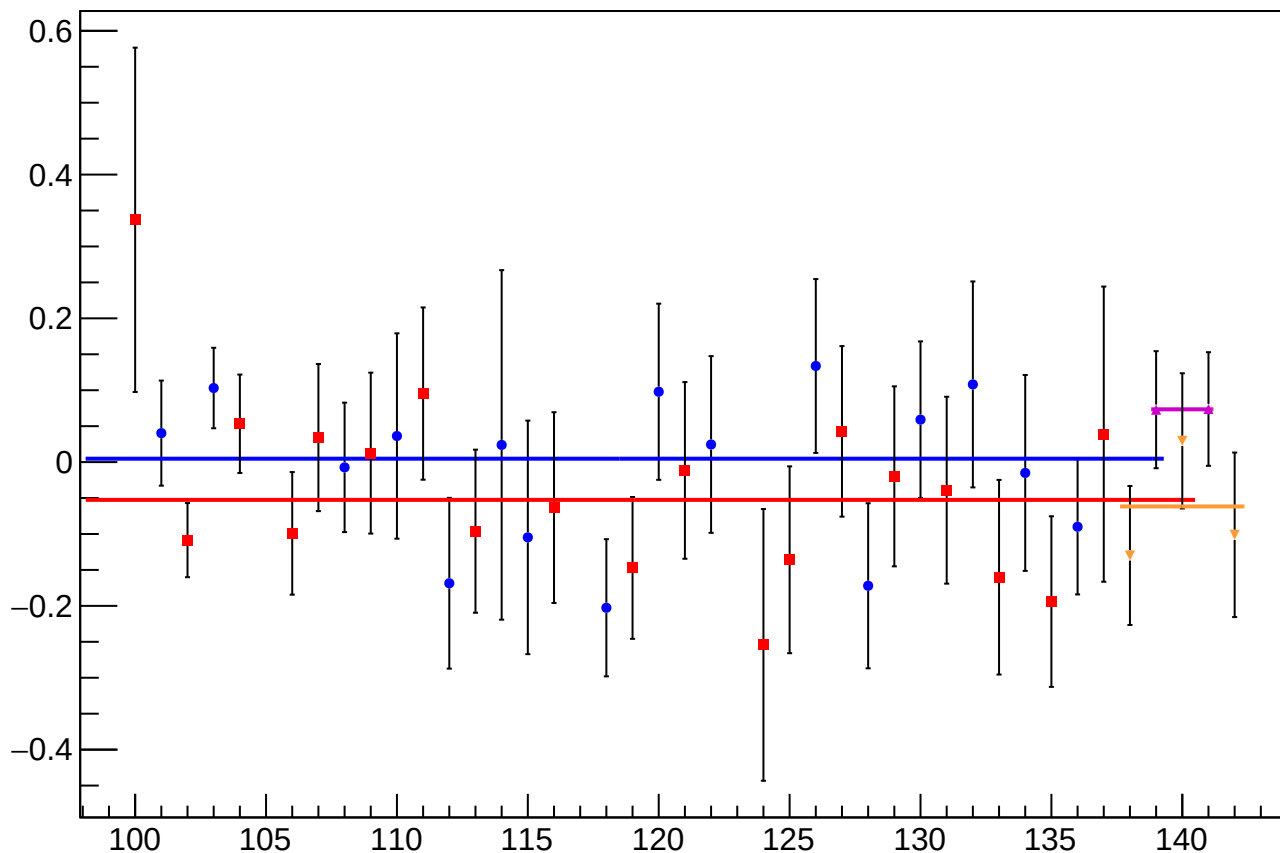
Left In: 73.188 ± 0.040 $\chi^2/\text{NDF}: 8.1/1$

+ sign 69.280 ± 0.017 $\chi^2/\text{NDF}: 942967.1/18$

All: 66.508 ± 0.011 $\chi^2/\text{NDF}: 2169611.1/39$

- sign 64.073 ± 0.016 $\chi^2/\text{NDF}: 1175068.4/20$

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.026 χ^2 /NDF: 16.6/15

Left Out: -0.062 $\pm$ 0.058 χ^2 /NDF: 1.6/2

Right Out: -0.053 $\pm$ 0.024 χ^2 /NDF: 14.8/18

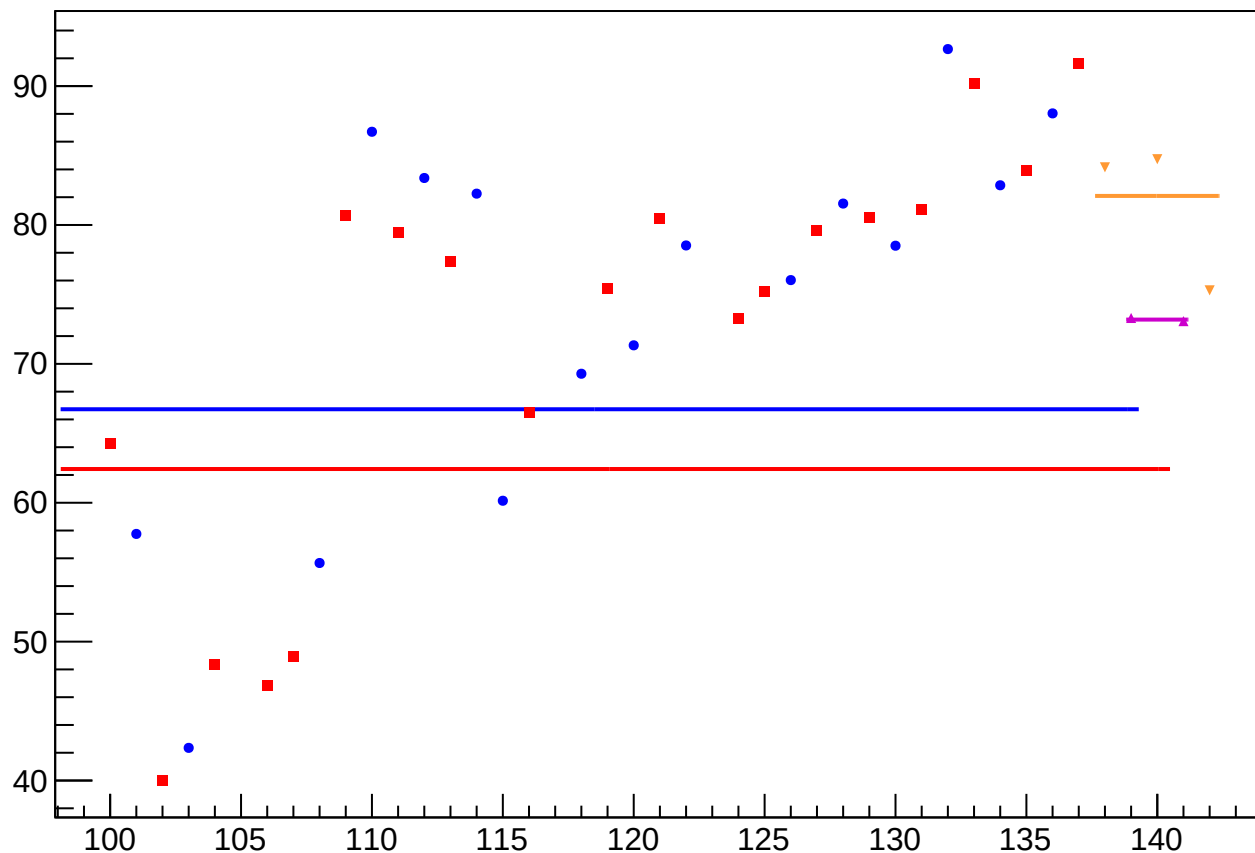
Left In: 0.073 $\pm$ 0.057 χ^2 /NDF: 0.0/1

+ sign -0.006 $\pm$ 0.024 χ^2 /NDF: 19.3/18

All: -0.021 $\pm$ 0.016 χ^2 /NDF: 38.9/39

- sign -0.033 $\pm$ 0.022 χ^2 /NDF: 19.0/20

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 66.732 $\pm$ 0.018 χ^2 /NDF: 816752.6/15

Left Out: 82.092 $\pm$ 0.041 χ^2 /NDF: 9546.6/2

Right Out: 62.429 $\pm$ 0.017 χ^2 /NDF: 1114078.0/18

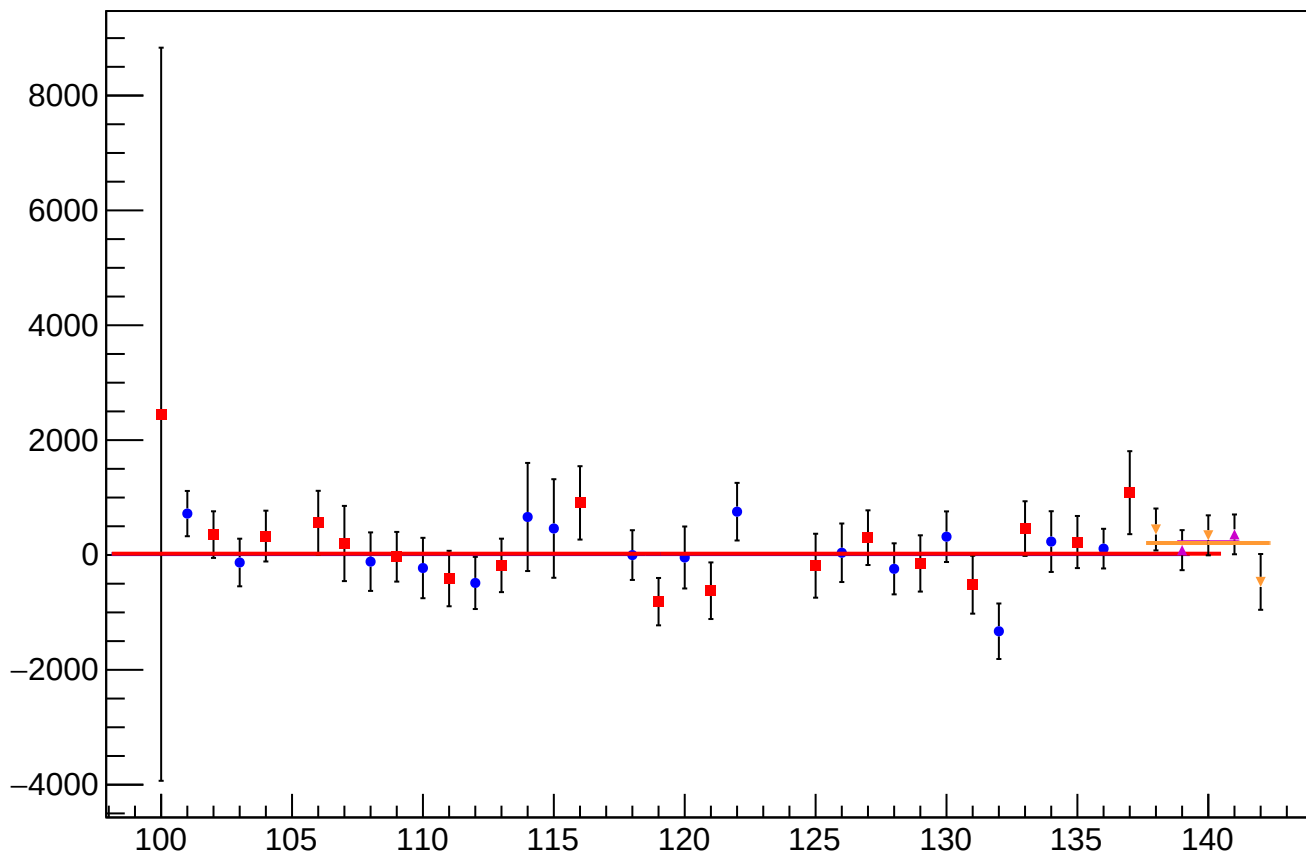
Left In: 73.188 $\pm$ 0.040 χ^2 /NDF: 8.1/1

+ sign 69.280 $\pm$ 0.017 χ^2 /NDF: 942967.1/18

All: 66.508 $\pm$ 0.011 χ^2 /NDF: 2169611.1/39

- sign 64.073 $\pm$ 0.016 χ^2 /NDF: 1175068.4/20

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF : 16.5/15

Left Out: 208.747+/-223.556 χ^2/NDF : 2.5/2

Right Out: 22.145+/-119.211 χ^2/NDF : 16.0/17

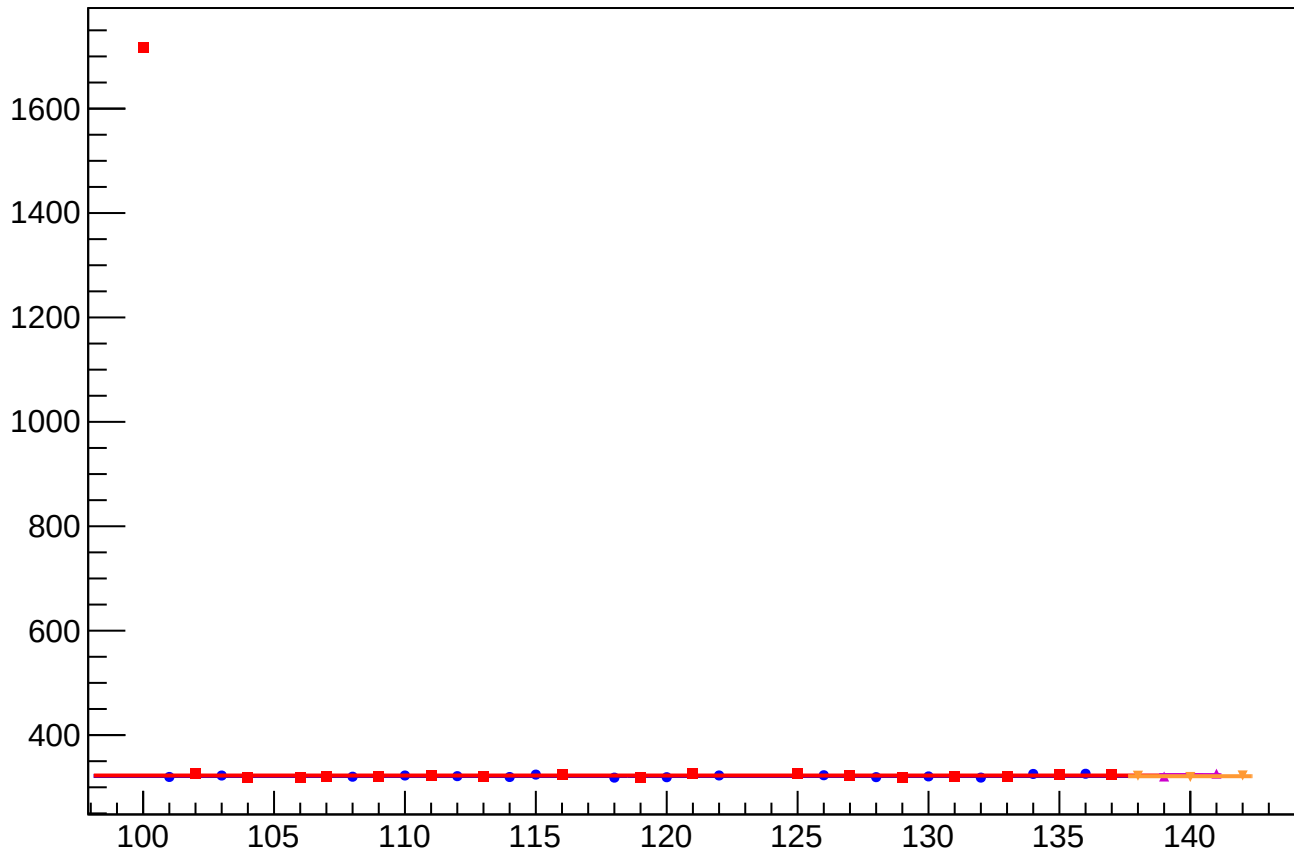
Left In: 222.197+/-245.775 χ^2/NDF : 0.3/1

+ sign 58.421+/-105.341 χ^2/NDF : 19.6/18

All: 59.317+/-75.157 χ^2/NDF : 36.5/38

- sign 60.246+/-107.260 χ^2/NDF : 16.8/19

asym_dsl_rms vs Slug



Right In: 321.604 $\pm$ 0.084 χ^2 /NDF: 822.9/15

Left Out: 321.243 $\pm$ 0.158 χ^2 /NDF:66.7/2

Right Out: 322.553 $\pm$ 0.084 χ^2 /NDF: 96891.9/17

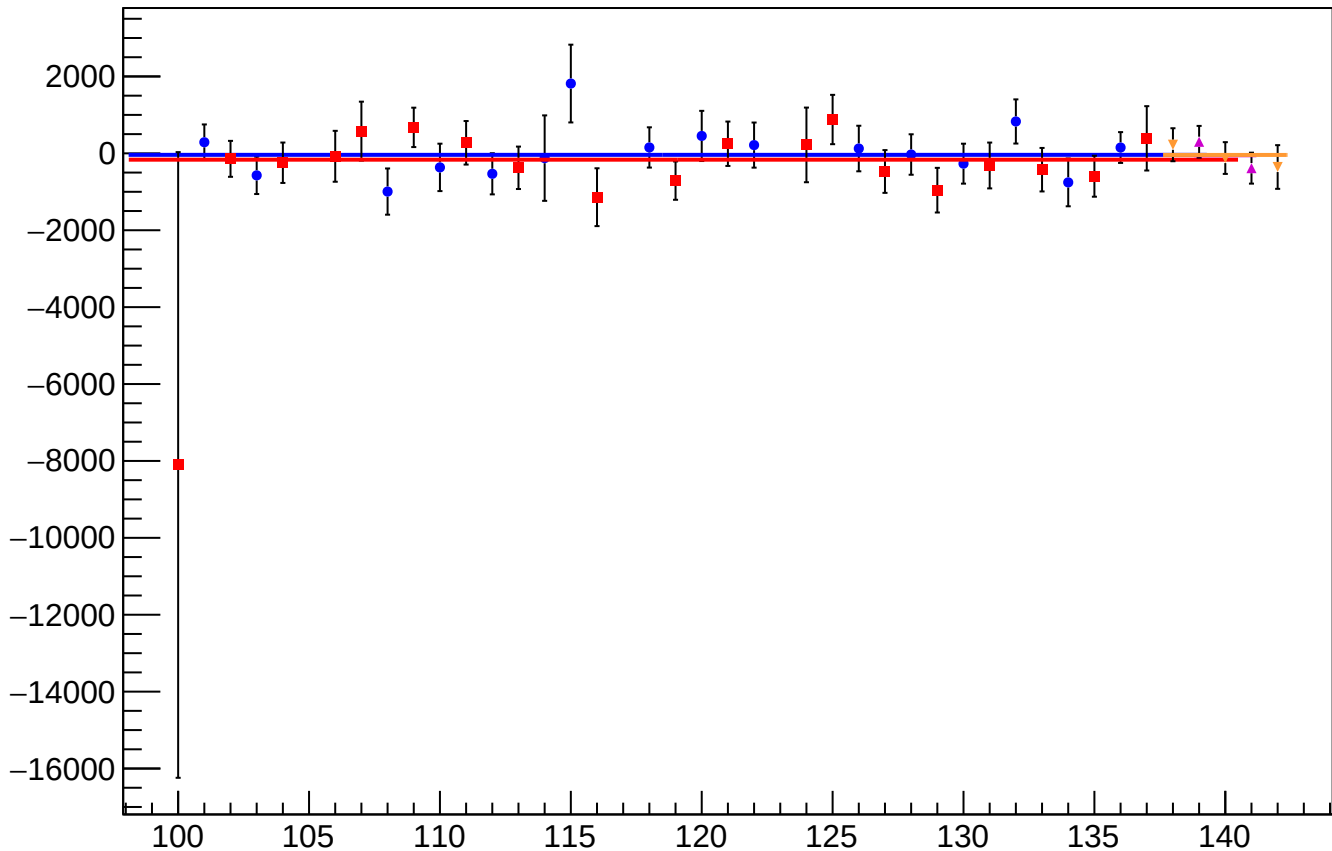
Left In: 323.422 $\pm$ 0.174 χ^2 /NDF:241.9/1

+ sign 321.524 $\pm$ 0.074 χ^2 /NDF: 893.7/18

All: 322.110 $\pm$ 0.053 χ^2 /NDF: 98173.9/38

- sign 322.718 $\pm$ 0.076 χ^2 /NDF: 97154.0/19

asym_dsr_mean vs Slug



Right In: -38.914 ± 140.720 χ^2/NDF : 13.7/15

Left Out: -41.498 ± 263.497 χ^2/NDF : 0.7/2

Right Out: -164.639 ± 138.962 χ^2/NDF : 15.1/18

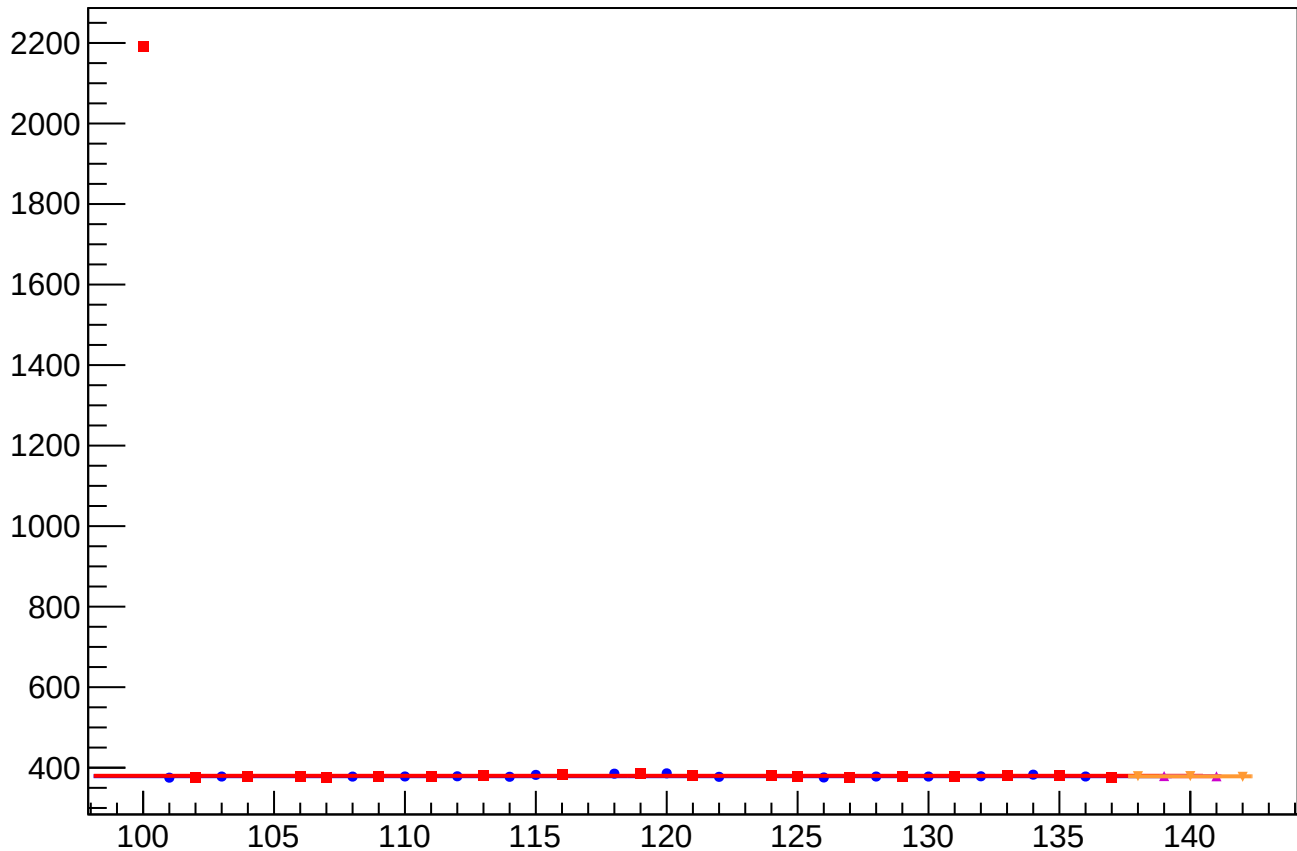
Left In: -49.848 ± 288.023 χ^2/NDF : 1.4/1

+ sign -39.488 ± 124.128 χ^2/NDF : 14.5/18

All: -90.799 ± 88.133 χ^2/NDF : 31.5/39

- sign -142.964 ± 125.157 χ^2/NDF : 16.7/20

asym_dsr_rms vs Slug



Right In: 378.910 $\pm$ 0.100 χ^2 /NDF: 851.2/15

Left Out: 378.624 $\pm$ 0.186 χ^2 /NDF:13.4/2

Right Out: 379.878 $\pm$ 0.098 χ^2 /NDF: 99621.5/18

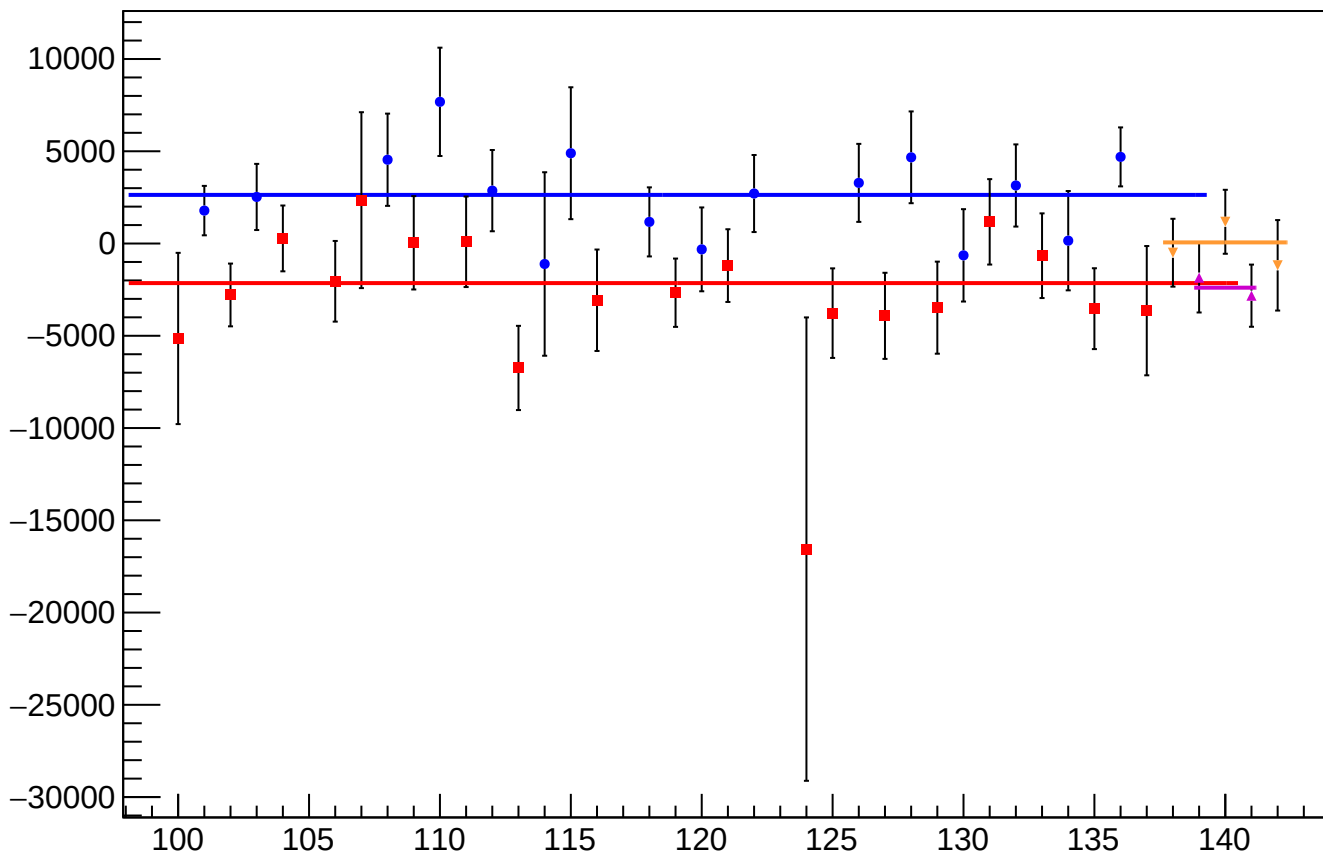
Left In: 379.010 $\pm$ 0.204 χ^2 /NDF:1.6/1

+ sign 378.846 $\pm$ 0.088 χ^2 /NDF: 866.4/18

All: 379.277 $\pm$ 0.062 χ^2 /NDF: 100552.7/39

- sign 379.714 $\pm$ 0.088 χ^2 /NDF: 99637.8/20

asym_us_agg_avg_mean vs Slug



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

Left Out: 60.649 $\pm$ 1121.520 χ^2/NDF : 0.8/2

Right Out: -2144.569 $\pm$ 546.963 χ^2/NDF : 15.0/18

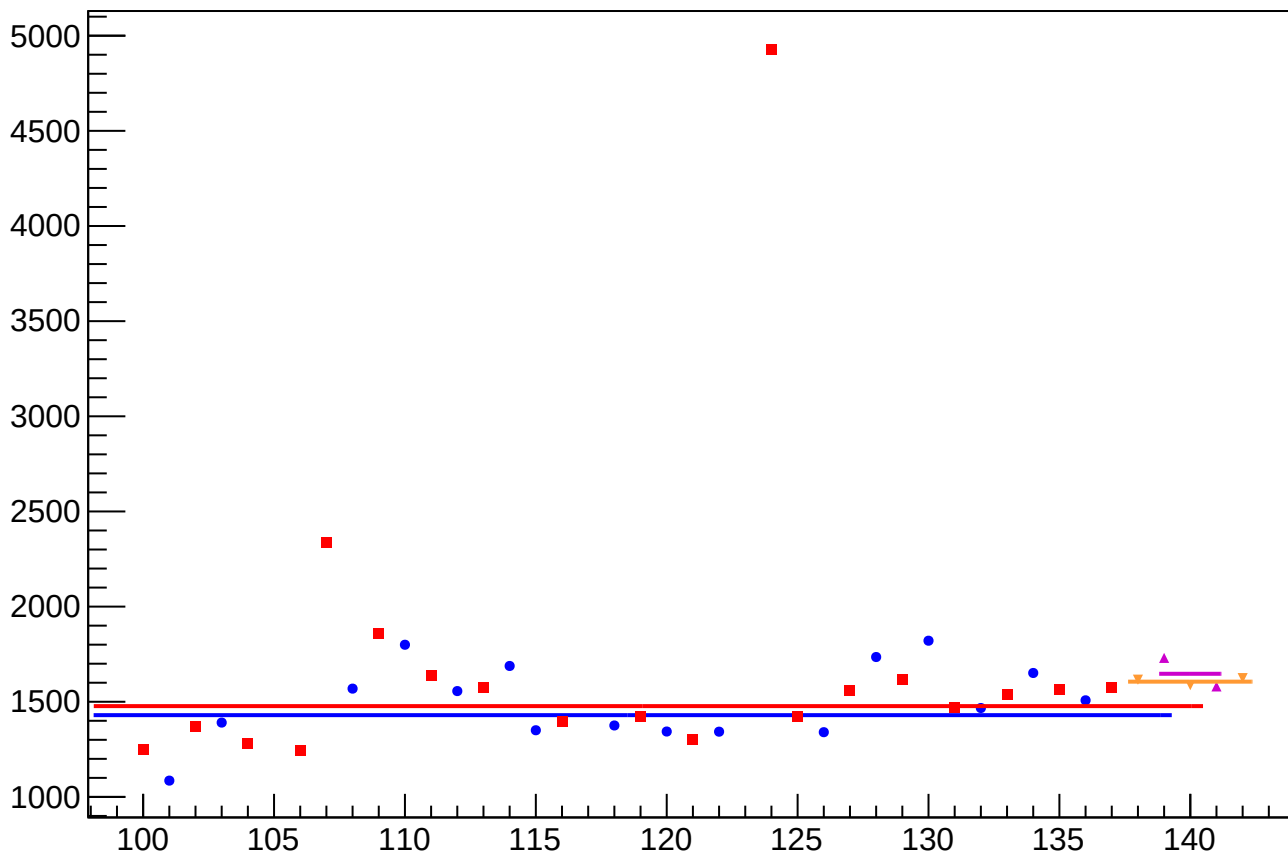
Left In: -2393.398 $\pm$ 1257.408 χ^2/NDF : 0.1/1

+ sign 2153.690 $\pm$ 485.100 χ^2/NDF : 17.3/18

All: 57.133 $\pm$ 348.693 χ^2/NDF : 71.2/39

- sign -2184.161 $\pm$ 501.565 χ^2/NDF : 15.2/20

asym_us_agg_avg_rms vs Slug



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

Left Out: 1605.673+/-0.793 χ^2/NDF : 407.5/2

Right Out: 1477.126+/-0.387 χ^2/NDF : 369430.6/18

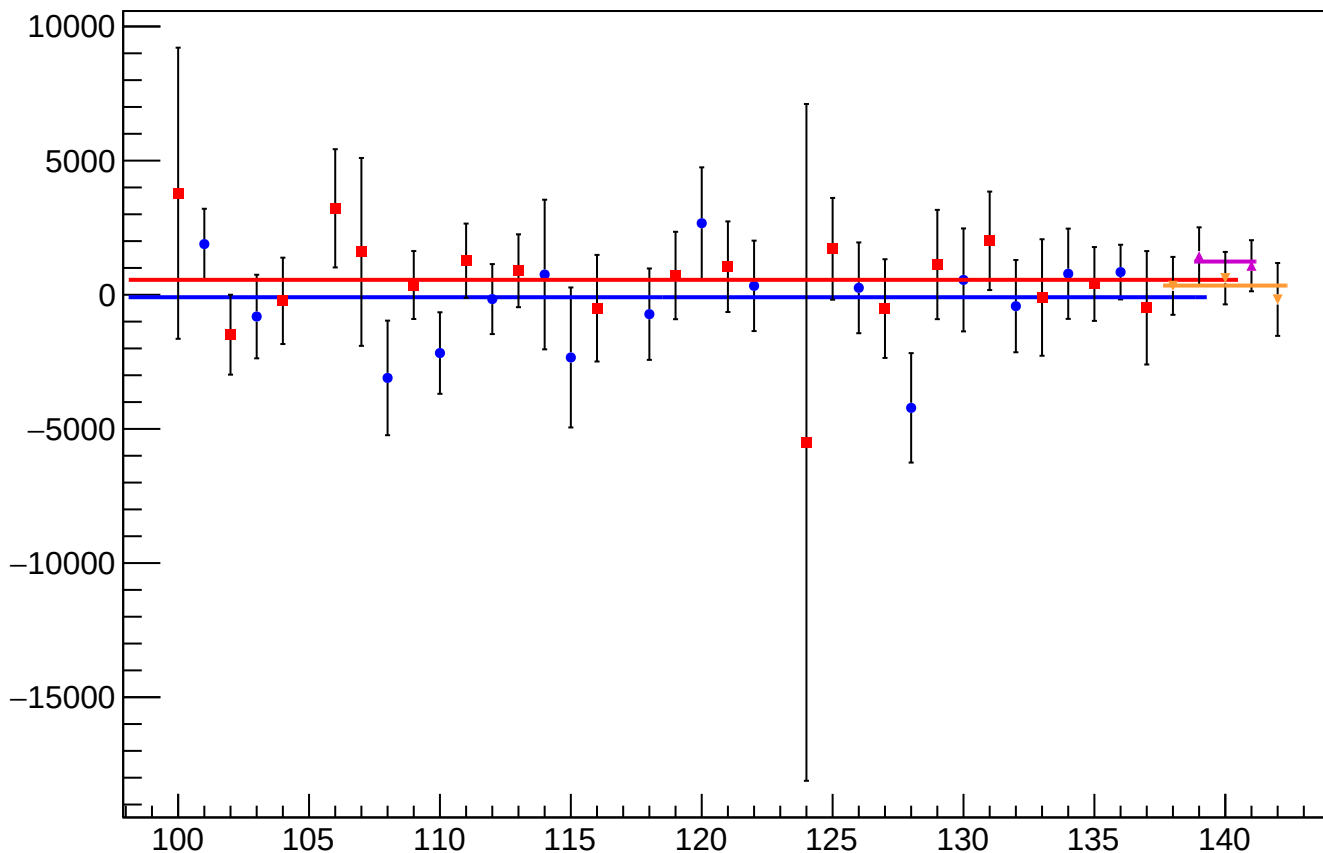
Left In: 1646.995+/-0.889 χ^2/NDF : 7018.9/1

+ sign 1462.585+/-0.343 χ^2/NDF : 333843.9/18

All: 1482.676+/-0.247 χ^2/NDF : 748084.6/39

- sign 1504.154+/-0.355 χ^2/NDF : 407142.7/20

asym_us_agg_dd_mean vs Slug



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

Left Out: 342.910 ± 639.209 χ^2/NDF : 0.2/2

Right Out: 556.840 ± 411.346 χ^2/NDF : 6.8/18

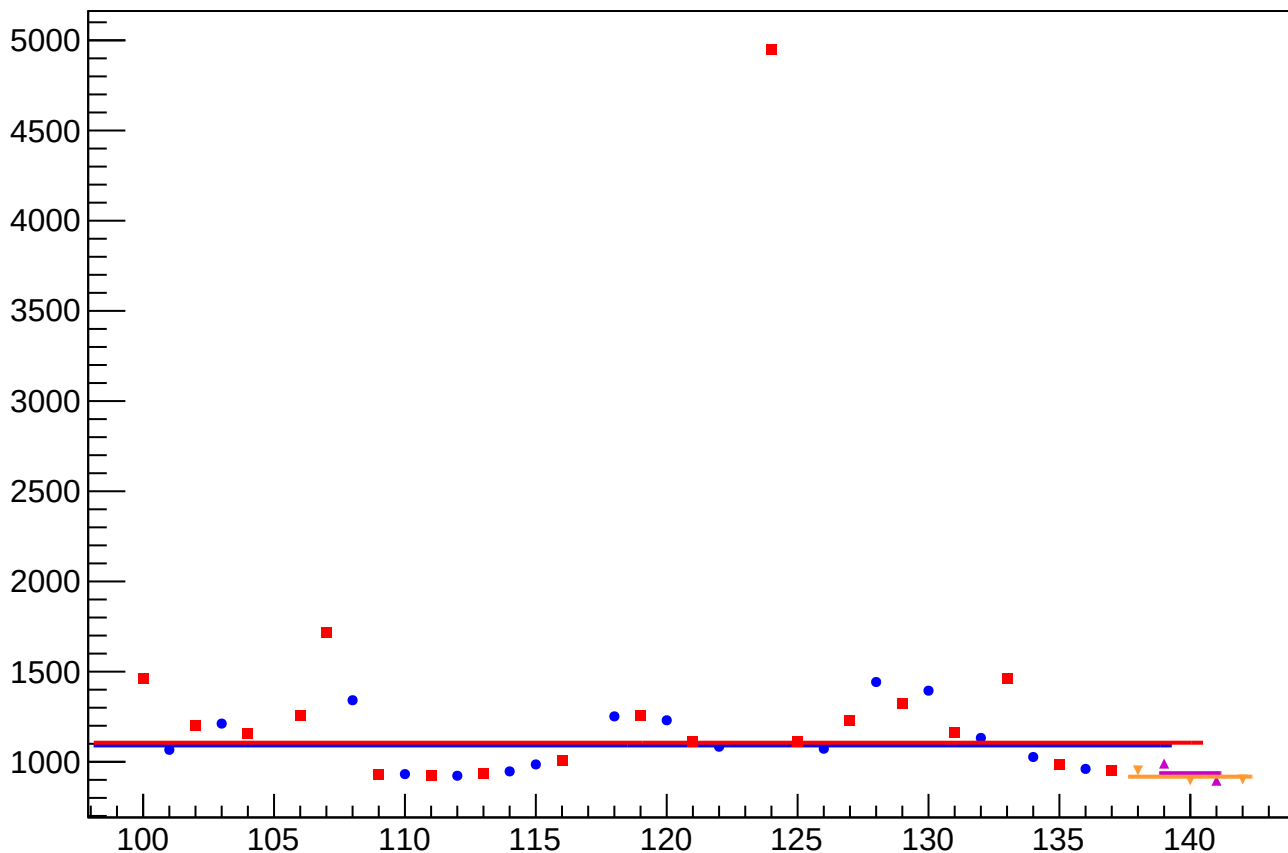
Left In: 1238.179 ± 713.162 χ^2/NDF : 0.1/1

+ sign 35.246 ± 345.083 χ^2/NDF : 15.1/18

All: 370.007 ± 247.889 χ^2/NDF : 24.5/39

- sign 726.928 ± 356.322 χ^2/NDF : 7.5/20

asym_us_agg_dd_rms vs Slug



Right In: 1091.041 $\pm$ 0.290 χ^2 /NDF: 277304.9/15

Left Out: 917.692 $\pm$ 0.452 χ^2 /NDF:3160.2/2

Right Out: 1106.046 $\pm$ 0.291 χ^2 /NDF: 514097.9/18

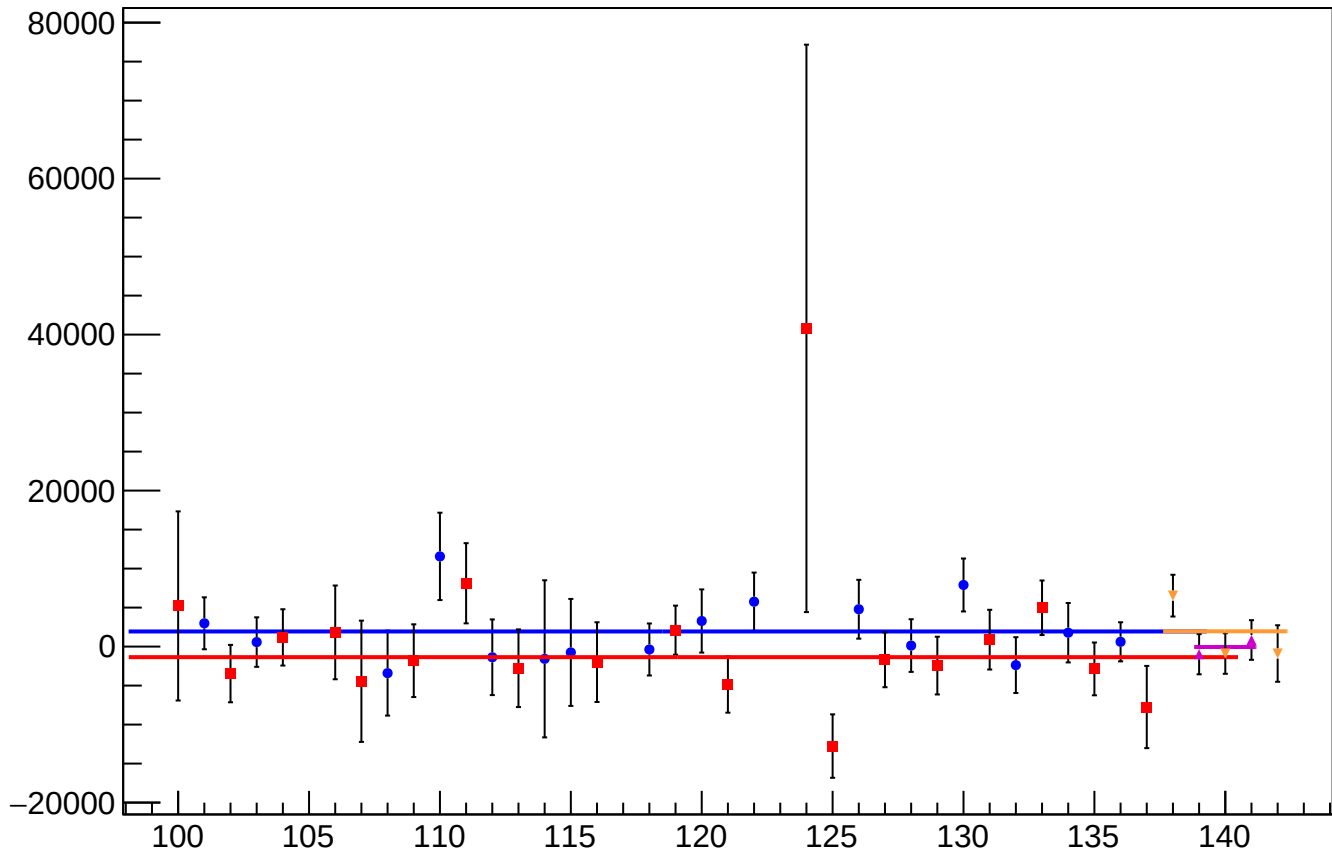
Left In: 937.140 $\pm$ 0.504 χ^2 /NDF:8716.9/1

+ sign 1040.519 $\pm$ 0.244 χ^2 /NDF: 384687.1/18

All: 1051.825 $\pm$ 0.175 χ^2 /NDF: 996119.7/39

- sign 1063.881 $\pm$ 0.252 χ^2 /NDF: 606996.1/20

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF : 12.2/15

Left Out: 1959.707+/-1658.067 χ^2/NDF : 4.7/2

Right Out: -1353.428+/-985.119 χ^2/NDF : 21.8/18

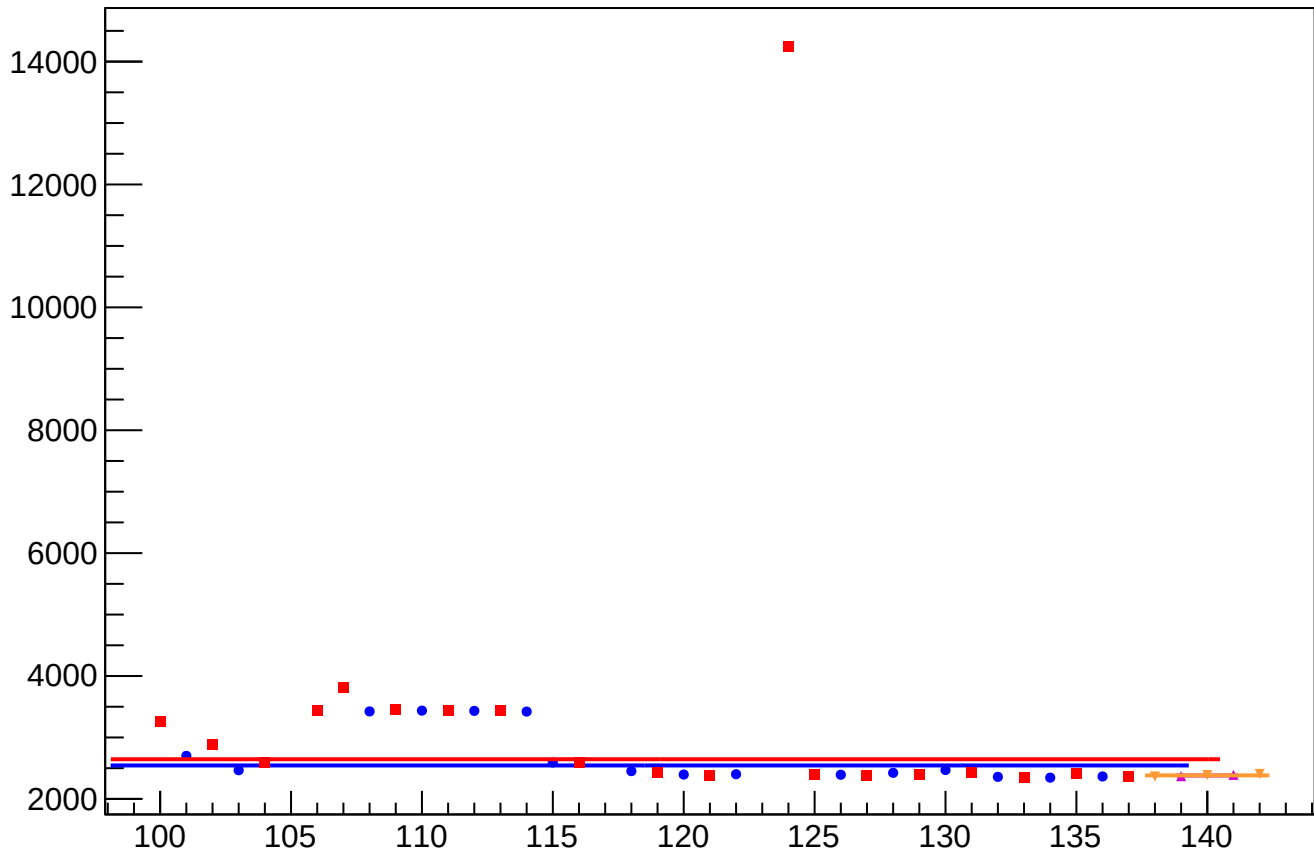
Left In: -54.731+/-1809.585 χ^2/NDF : 0.3/1

+ sign 1944.632+/-825.944 χ^2/NDF : 17.0/18

All: 513.710+/-597.433 χ^2/NDF : 45.7/39

- sign -1056.534+/-865.219 χ^2/NDF : 22.4/20

reg_asym_atl1_rms vs Slug



Right In: 2544.416 $\pm$ 0.674 χ^2 /NDF: 225614.0/15

Left Out: 2382.571 $\pm$ 1.172 χ^2 /NDF:192.3/2

Right Out: 2645.647 $\pm$ 0.697 χ^2 /NDF: 536965.2/18

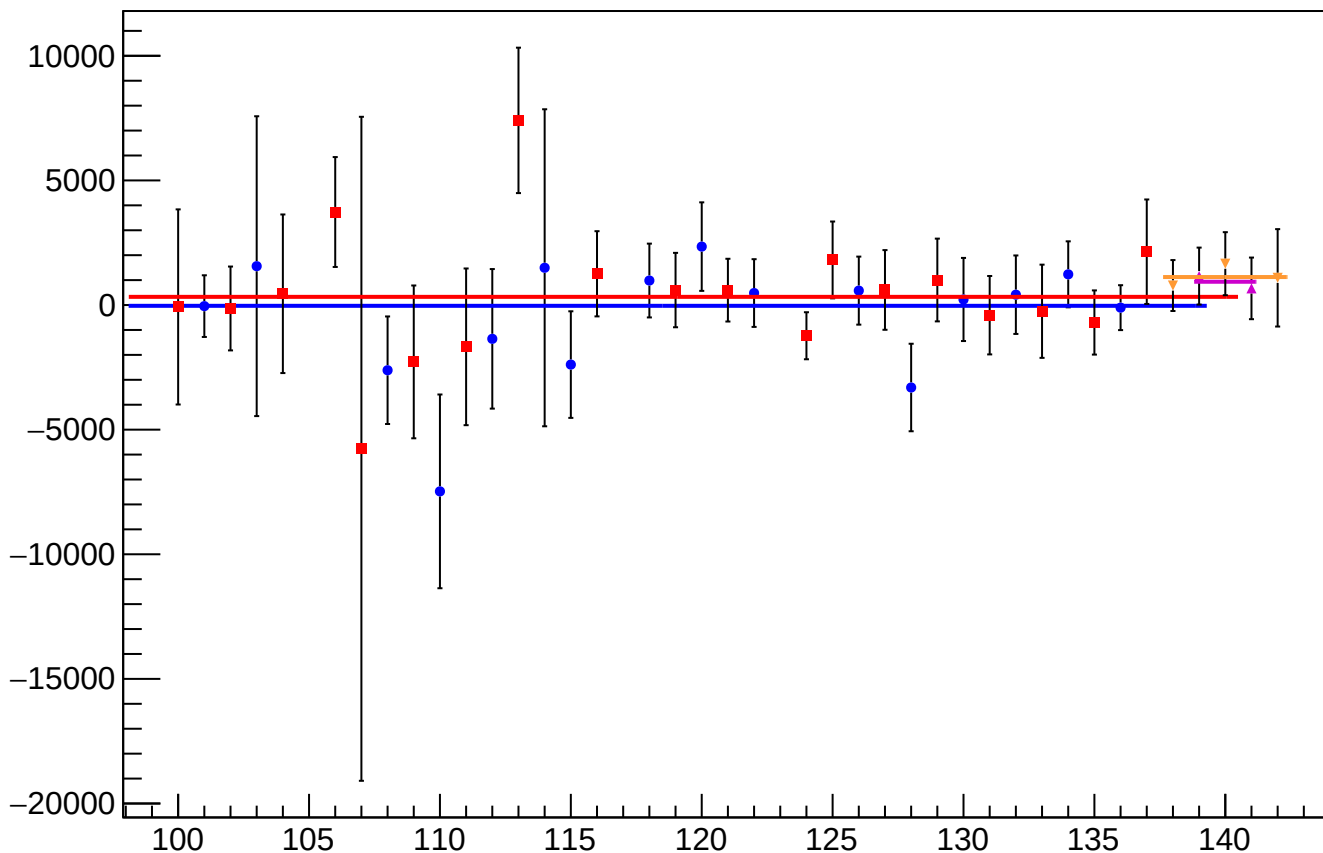
Left In: 2381.269 $\pm$ 1.280 χ^2 /NDF:69.2/1

+ sign 2504.256 $\pm$ 0.584 χ^2 /NDF: 240133.4/18

All: 2542.853 $\pm$ 0.422 χ^2 /NDF: 819258.4/39

- sign 2585.208 $\pm$ 0.612 χ^2 /NDF: 569964.7/20

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191 ± 405.726 χ^2/NDF : 13.8/15

Left Out: 1123.367 ± 736.178 χ^2/NDF : 0.3/2

Right Out: 328.475 ± 398.568 χ^2/NDF : 15.6/18

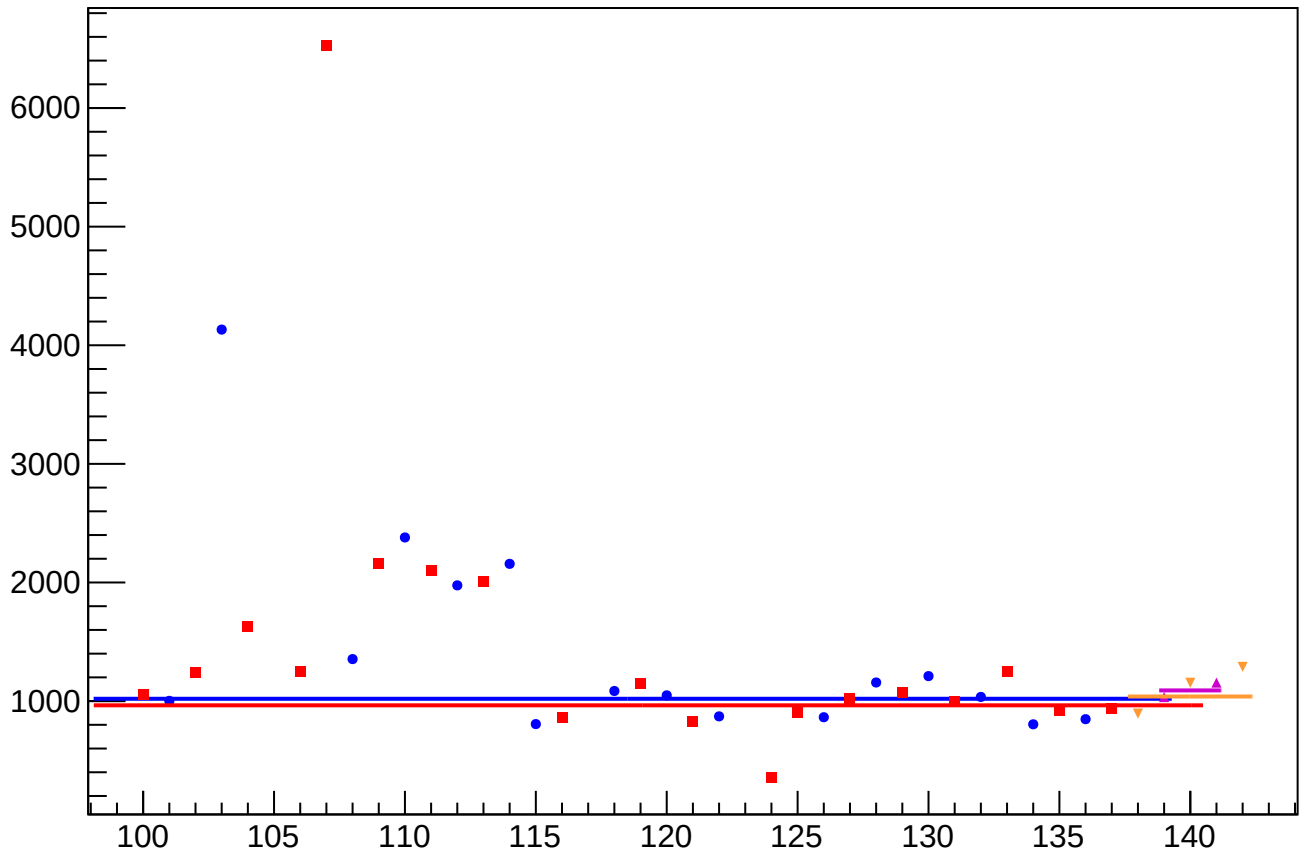
Left In: 934.475 ± 839.153 χ^2/NDF : 0.1/1

+ sign 237.792 ± 355.335 χ^2/NDF : 16.0/18

All: 337.581 ± 252.901 χ^2/NDF : 32.3/39

- sign 440.019 ± 360.022 χ^2/NDF : 16.1/20

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2 /NDF: 1364745.9/15

Left Out: 1038.592+/-0.521 χ^2 /NDF:89278.0/2

Right Out: 964.379+/-0.282 χ^2 /NDF: 2309359.3/18

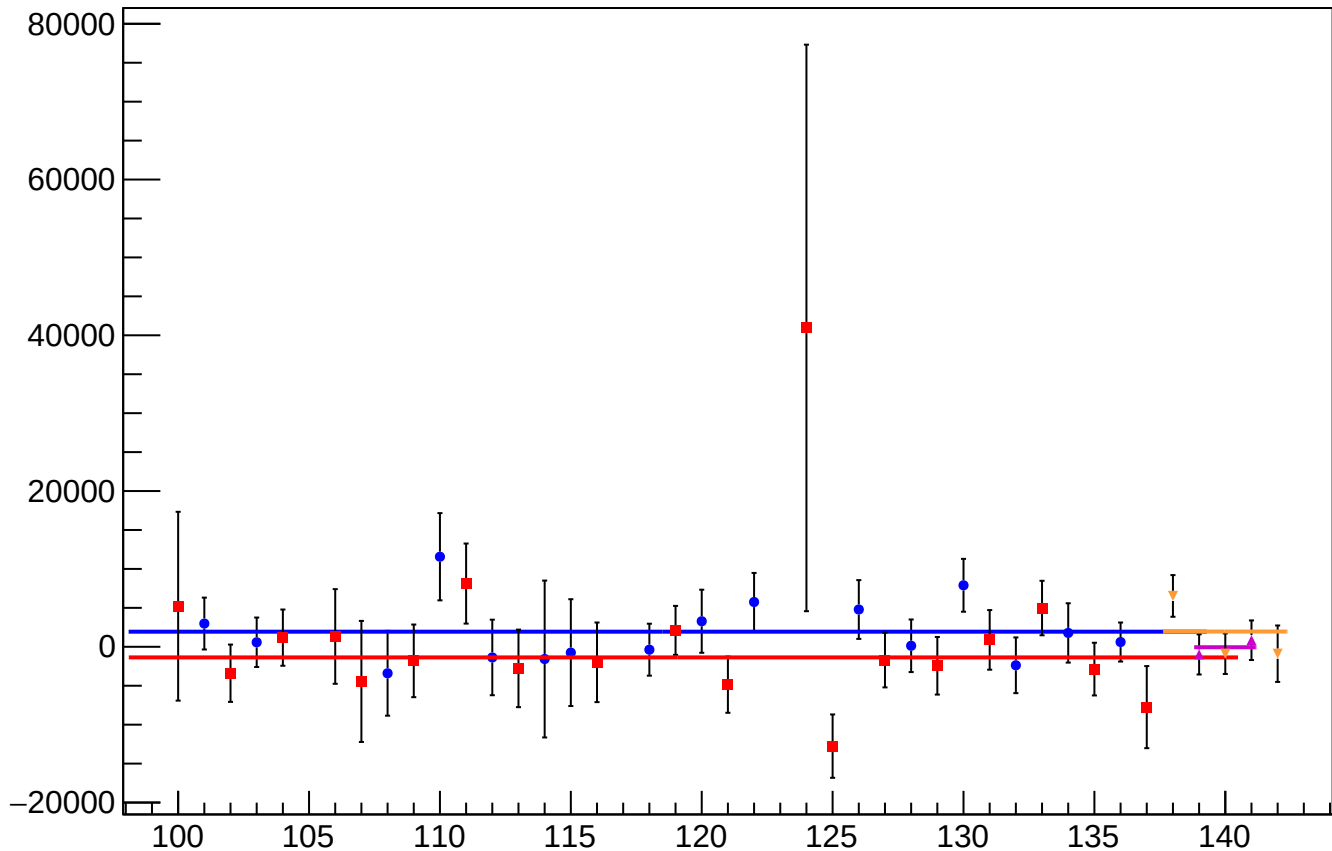
Left In: 1090.023+/-0.593 χ^2 /NDF:10494.6/1

+ sign 1023.965+/-0.251 χ^2 /NDF: 1455053.2/18

All: 1005.974+/-0.179 χ^2 /NDF: 3821880.5/39

- sign 987.506+/-0.255 χ^2 /NDF: 2356437.2/20

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF : 12.2/15

Left Out: 1959.769+/-1658.067 χ^2/NDF : 4.7/2

Right Out: -1363.089+/-985.420 χ^2/NDF : 21.7/18

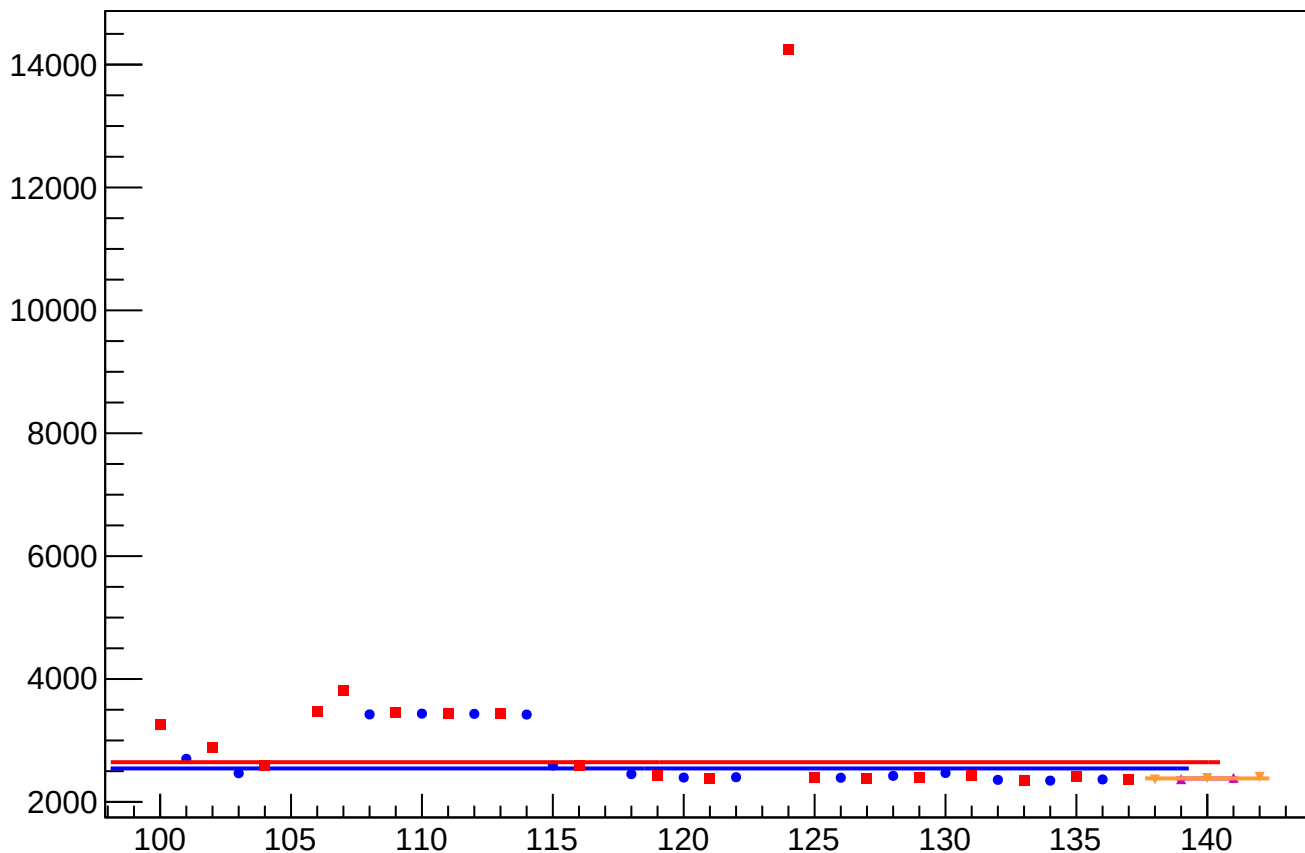
Left In: -55.230+/-1809.585 χ^2/NDF : 0.3/1

+ sign 1944.909+/-825.944 χ^2/NDF : 17.0/18

All: 510.668+/-597.500 χ^2/NDF : 45.7/39

- sign -1063.960+/-865.423 χ^2/NDF : 22.4/20

cor_asym_atl1_rms vs Slug



Right In: 2544.416 $\pm$ 0.674 χ^2 /NDF: 225614.0/15

Left Out: 2382.572 $\pm$ 1.172 χ^2 /NDF: 192.3/2

Right Out: 2646.203 $\pm$ 0.697 χ^2 /NDF: 539546.8/18

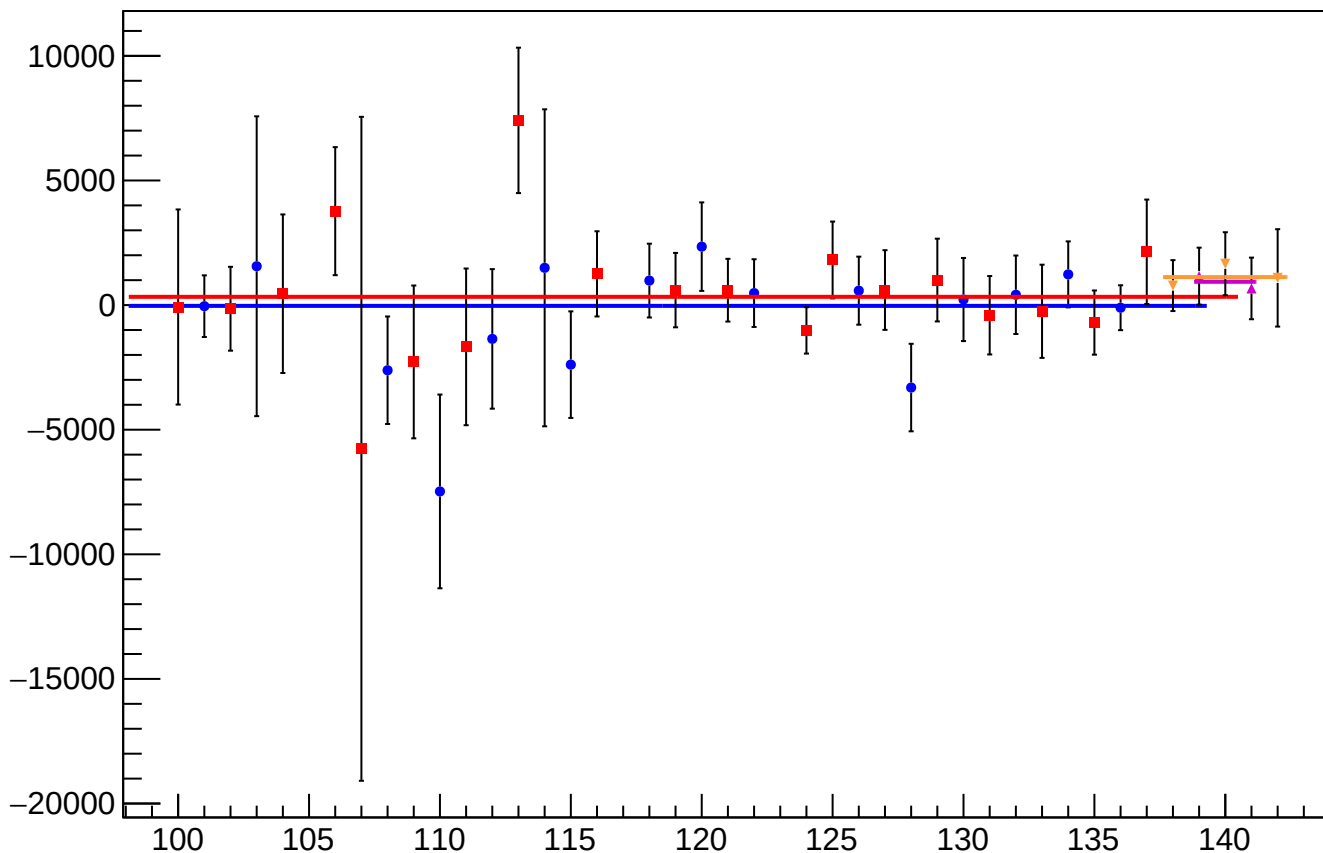
Left In: 2381.269 $\pm$ 1.280 χ^2 /NDF: 69.2/1

+ sign 2504.256 $\pm$ 0.584 χ^2 /NDF: 240133.4/18

All: 2543.034 $\pm$ 0.422 χ^2 /NDF: 822062.7/39

- sign 2585.608 $\pm$ 0.612 χ^2 /NDF: 572680.4/20

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253 ± 405.723 χ^2/NDF : 13.8/15

Left Out: 1123.395 ± 736.181 χ^2/NDF : 0.3/2

Right Out: 331.962 ± 399.334 χ^2/NDF : 14.4/18

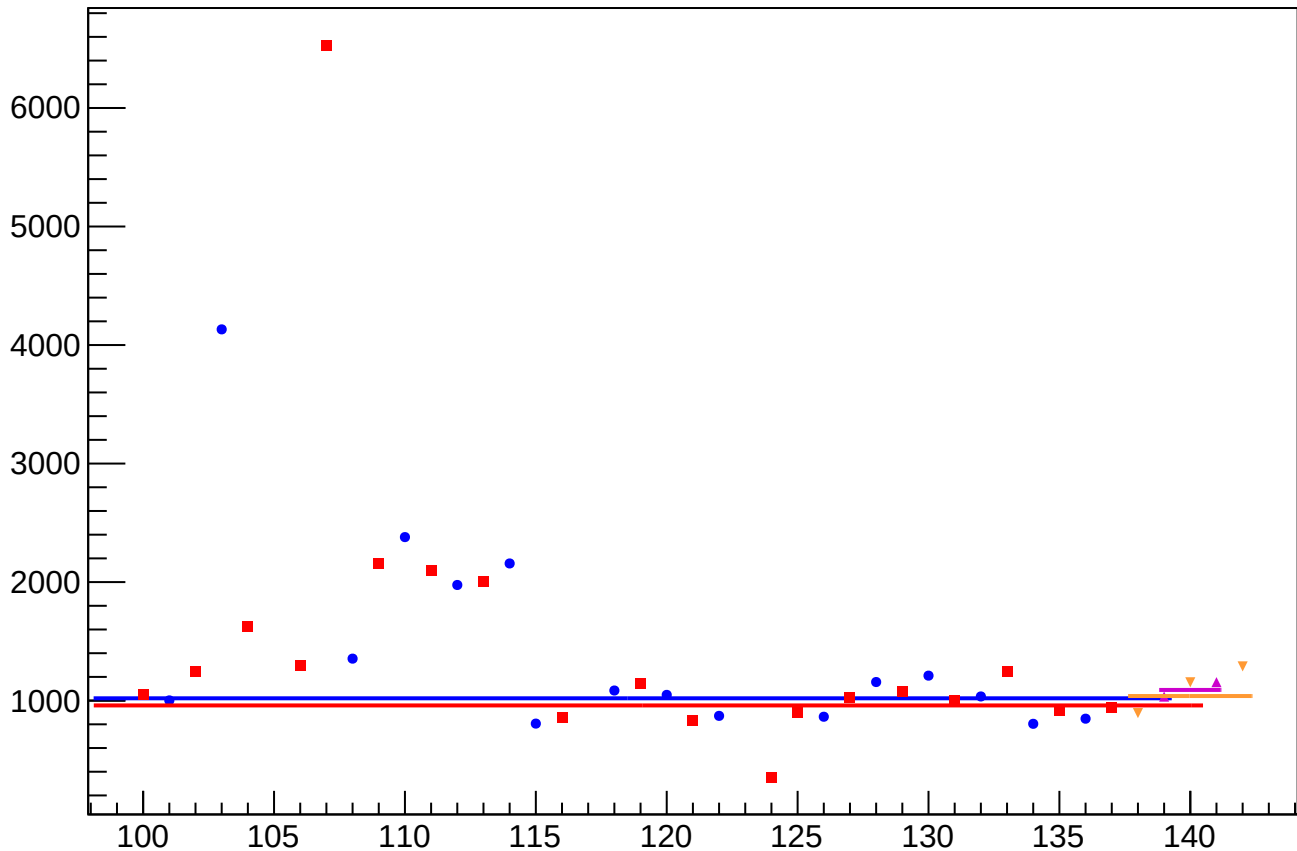
Left In: 934.483 ± 839.155 χ^2/NDF : 0.1/1

+ sign 237.747 ± 355.333 χ^2/NDF : 16.0/18

All: 338.973 ± 253.096 χ^2/NDF : 31.0/39

- sign 443.214 ± 360.587 χ^2/NDF : 14.9/20

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF : 1364741.0/15

Left Out: 1038.598+/-0.521 χ^2/NDF : 89272.4/2

Right Out: 959.344+/-0.282 χ^2/NDF : 2344434.8/18

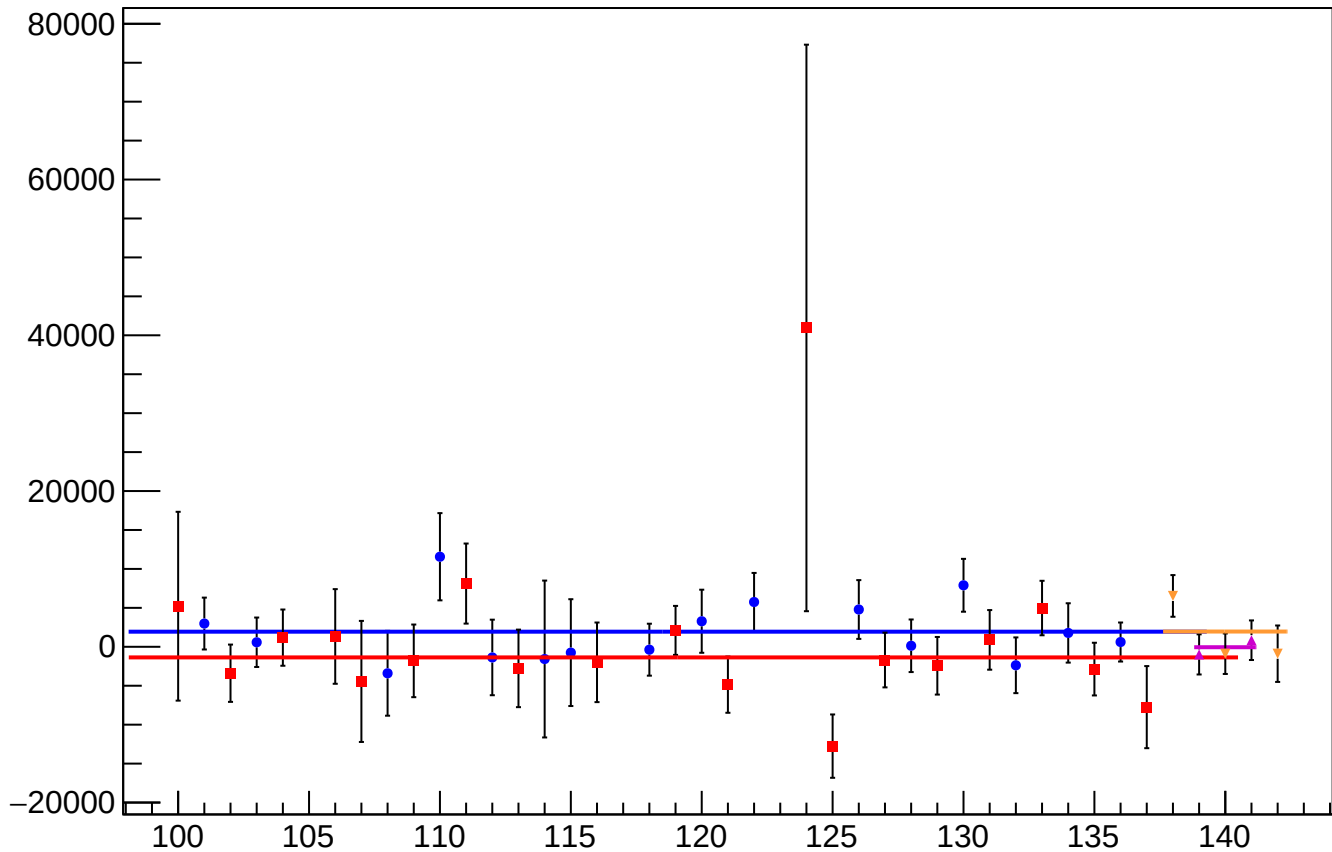
Left In: 1090.023+/-0.593 χ^2/NDF : 10496.3/1

+ sign 1023.960+/-0.251 χ^2/NDF : 1455044.3/18

All: 1004.014+/-0.179 χ^2/NDF : 3862313.4/39

- sign 983.473+/-0.255 χ^2/NDF : 2394477.0/20

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF : 12.2/15

Left Out: 1959.769+/-1658.067 χ^2/NDF : 4.7/2

Right Out: -1363.089+/-985.420 χ^2/NDF : 21.7/18

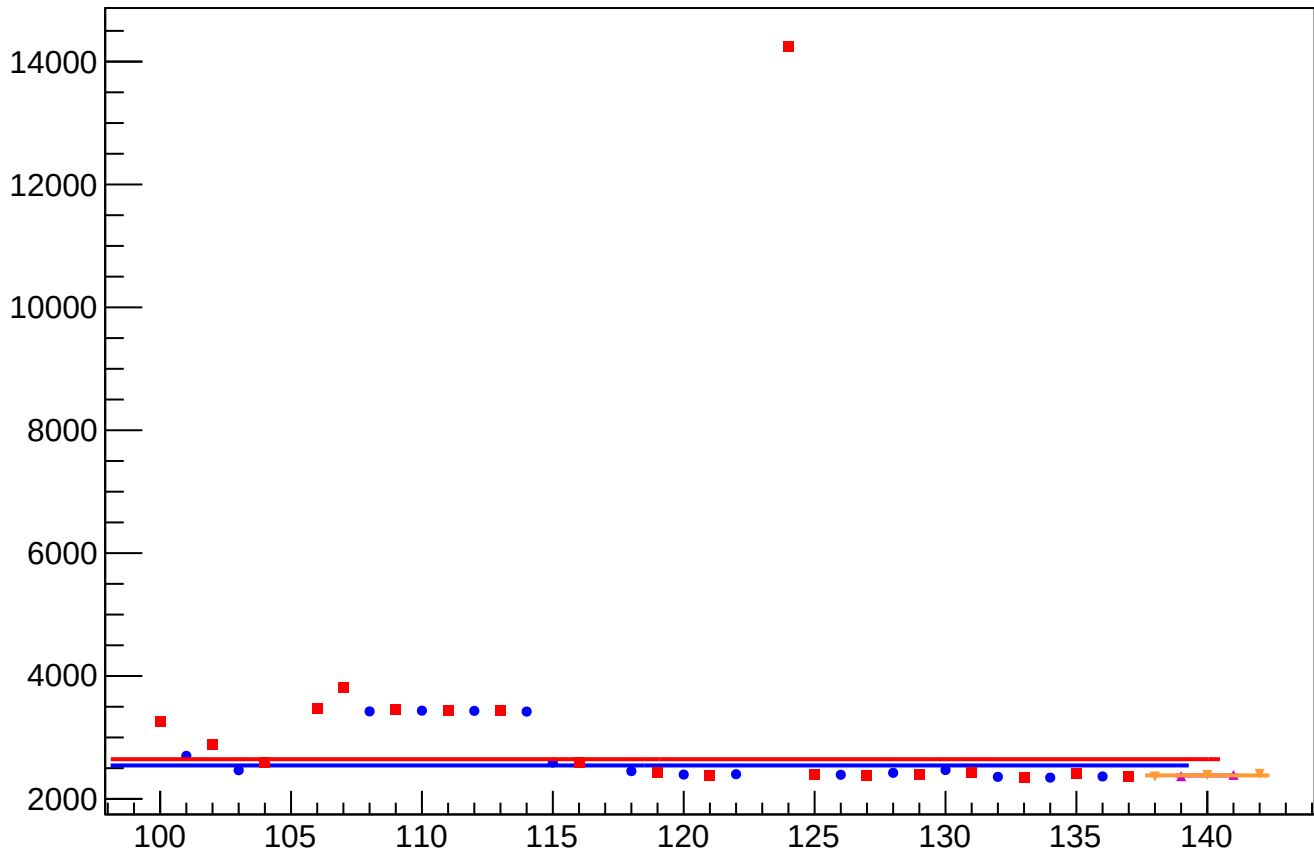
Left In: -55.230+/-1809.585 χ^2/NDF : 0.3/1

+ sign 1944.909+/-825.944 χ^2/NDF : 17.0/18

All: 510.668+/-597.500 χ^2/NDF : 45.7/39

- sign -1063.960+/-865.423 χ^2/NDF : 22.4/20

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416 $\pm$ 0.674 χ^2 /NDF: 225614.0/15

Left Out: 2382.572 $\pm$ 1.172 χ^2 /NDF:192.3/2

Right Out: 2646.203 $\pm$ 0.697 χ^2 /NDF: 539546.8/18

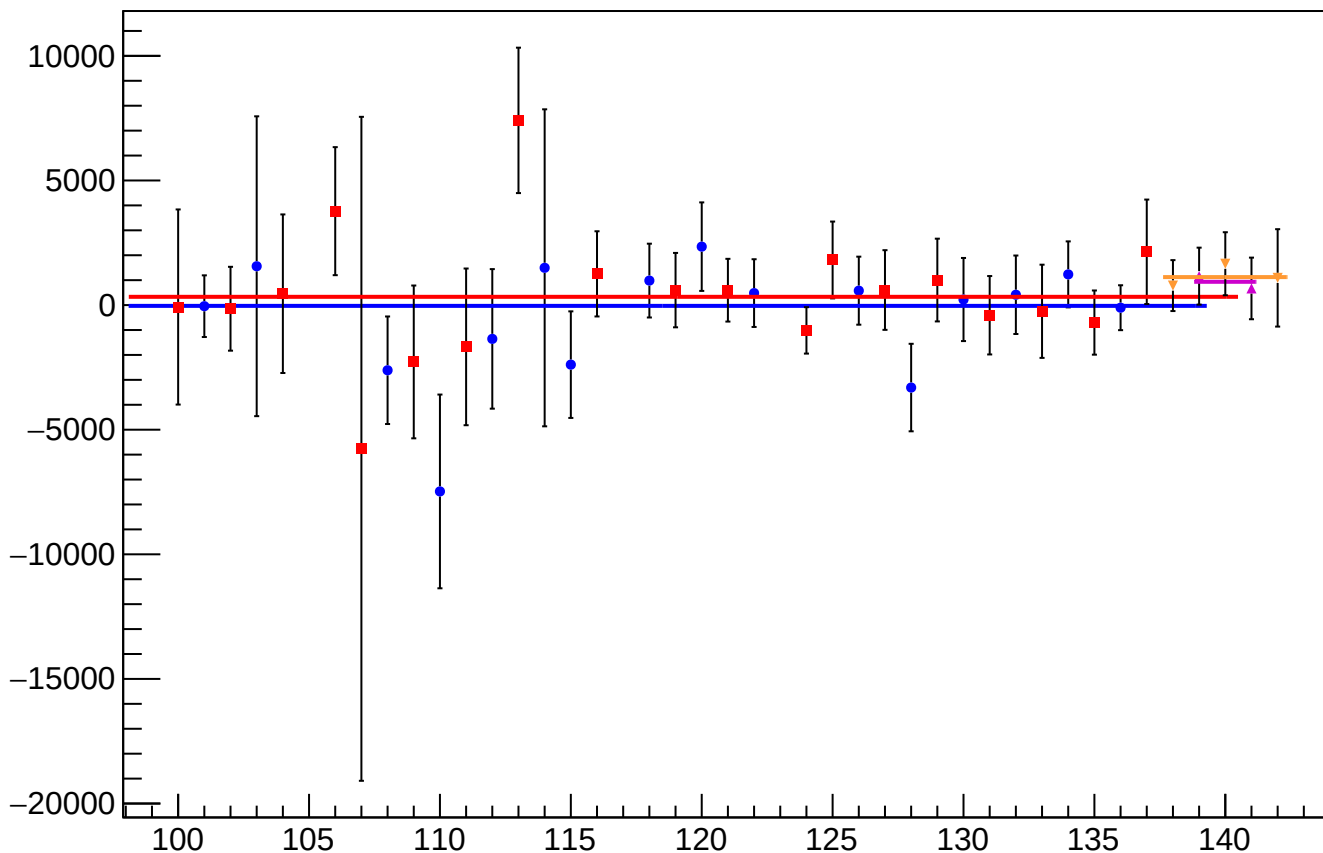
Left In: 2381.269 $\pm$ 1.280 χ^2 /NDF:69.2/1

+ sign 2504.256 $\pm$ 0.584 χ^2 /NDF: 240133.4/18

All: 2543.034 $\pm$ 0.422 χ^2 /NDF: 822062.7/39

- sign 2585.608 $\pm$ 0.612 χ^2 /NDF: 572680.4/20

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253 ± 405.723 χ^2/NDF : 13.8/15

Left Out: 1123.395 ± 736.181 χ^2/NDF : 0.3/2

Right Out: 331.962 ± 399.334 χ^2/NDF : 14.4/18

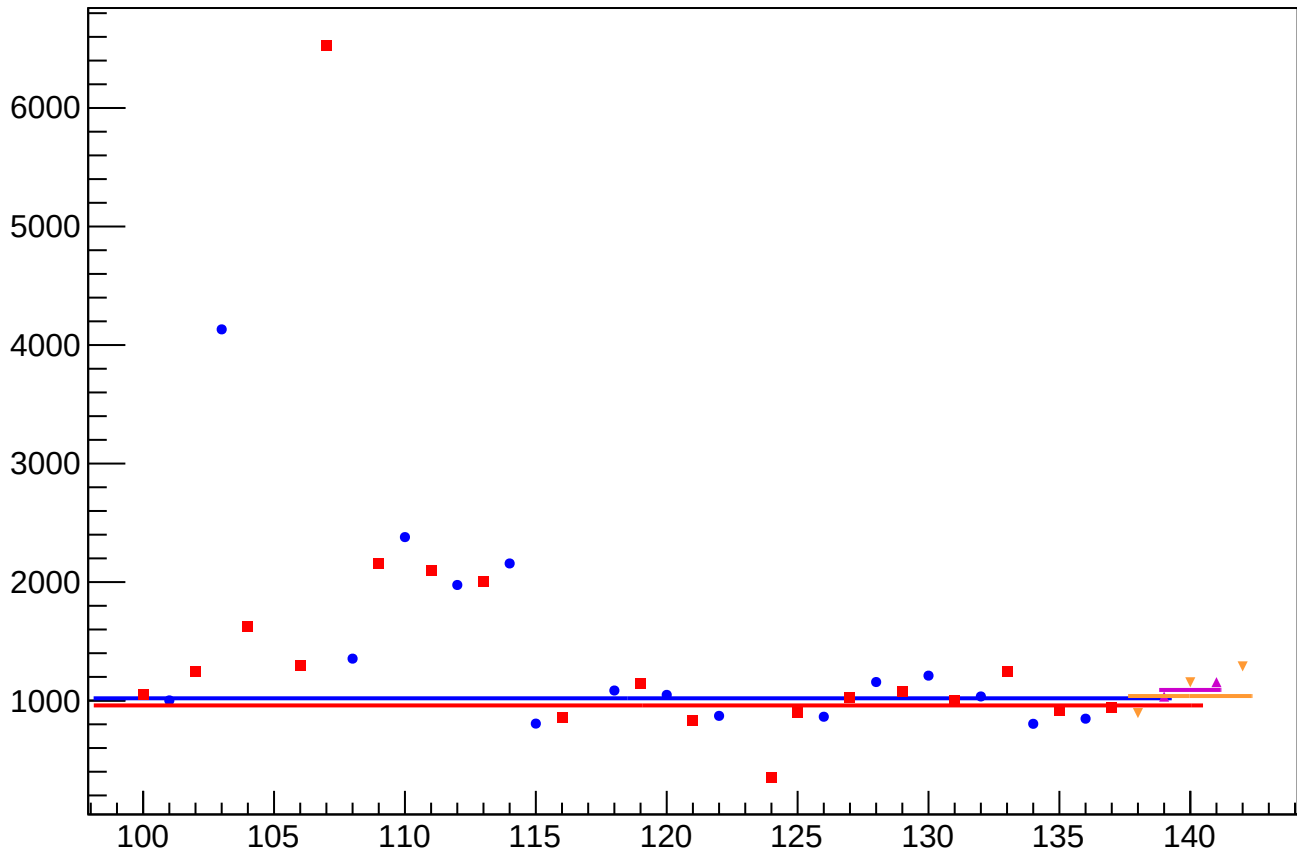
Left In: 934.483 ± 839.155 χ^2/NDF : 0.1/1

+ sign 237.747 ± 355.333 χ^2/NDF : 16.0/18

All: 338.973 ± 253.096 χ^2/NDF : 31.0/39

- sign 443.214 ± 360.587 χ^2/NDF : 14.9/20

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514 $\pm$ 0.287 χ^2 /NDF: 1364741.0/15

Left Out: 1038.598 $\pm$ 0.521 χ^2 /NDF:89272.4/2

Right Out: 959.344 $\pm$ 0.282 χ^2 /NDF: 2344434.8/18

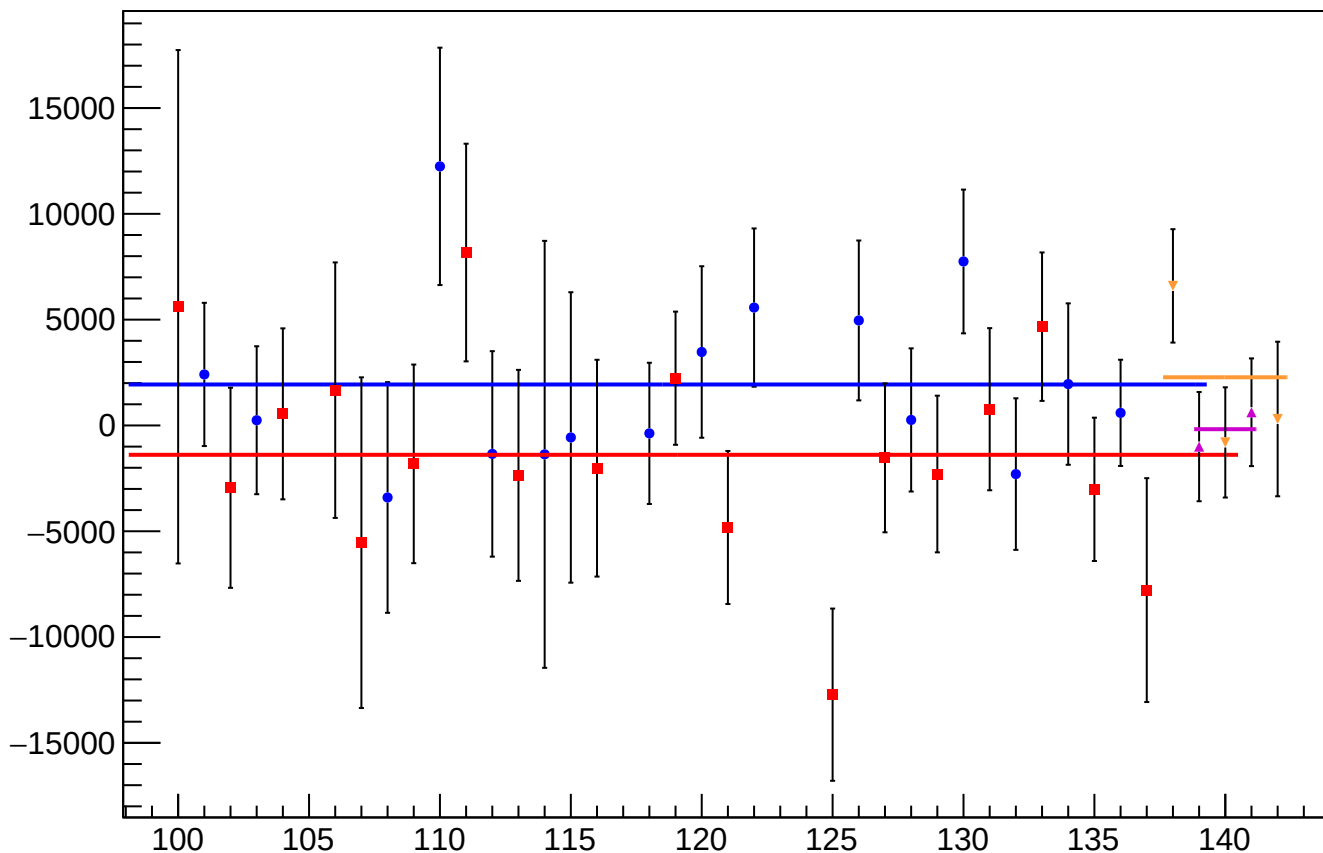
Left In: 1090.023 $\pm$ 0.593 χ^2 /NDF:10496.3/1

+ sign 1023.960 $\pm$ 0.251 χ^2 /NDF: 1455044.3/18

All: 1004.014 $\pm$ 0.179 χ^2 /NDF: 3862313.4/39

- sign 983.473 $\pm$ 0.255 χ^2 /NDF: 2394477.0/20

dit_asym_atl1_mean vs Slug



Right In: 1935.992 ± 962.322 χ^2/NDF : 12.4/15

Left Out: 2276.239 ± 1662.915 χ^2/NDF : 4.3/2

Right Out: -1387.548 ± 1009.105 χ^2/NDF : 19.8/17

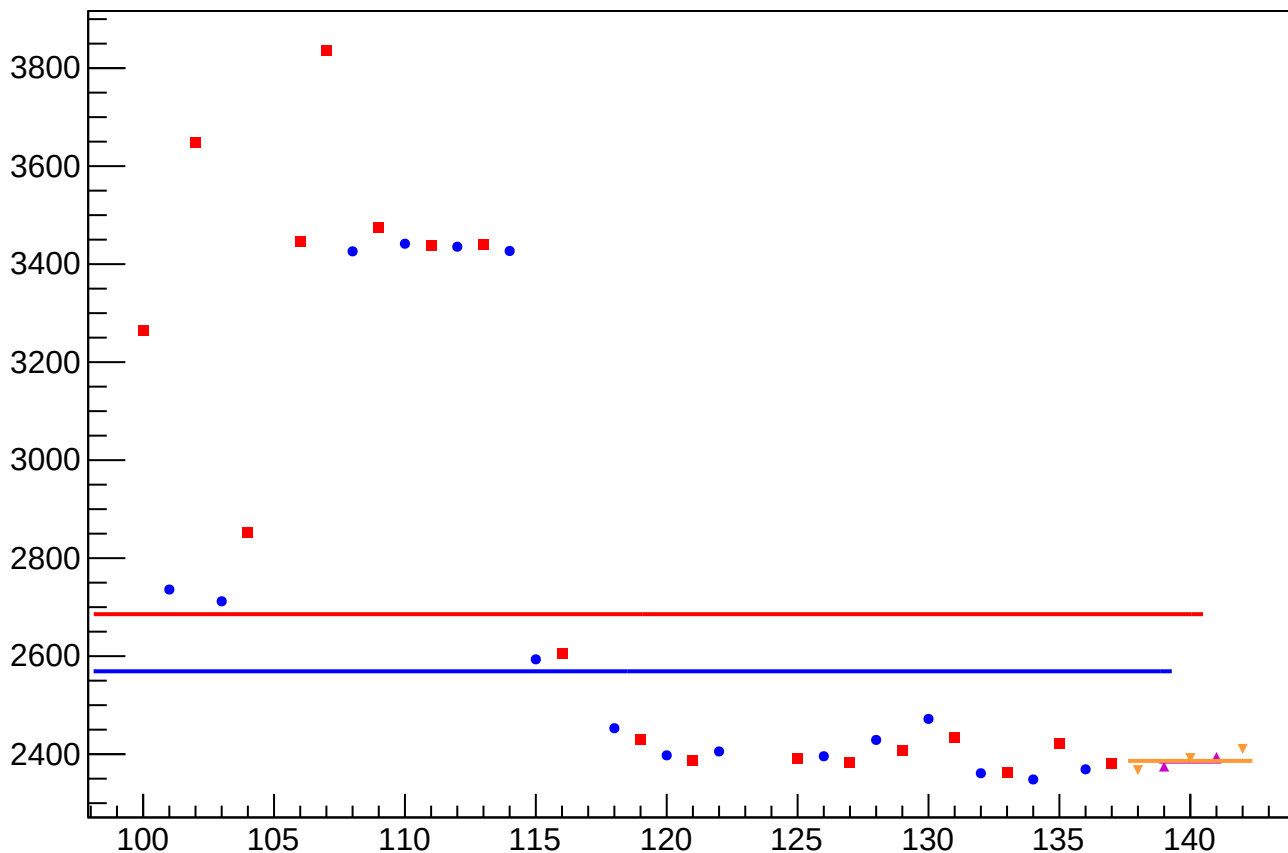
Left In: -176.863 ± 1812.283 χ^2/NDF : 0.2/1

+ sign 2021.351 ± 832.910 χ^2/NDF : 16.7/18

All: 548.846 ± 605.452 χ^2/NDF : 43.6/38

- sign -1101.020 ± 881.645 χ^2/NDF : 20.3/19

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF : 229487.5/15

Left Out: 2386.320+/-1.176 χ^2/NDF : 199.7/2

Right Out: 2685.675+/-0.714 χ^2/NDF : 419264.8/17

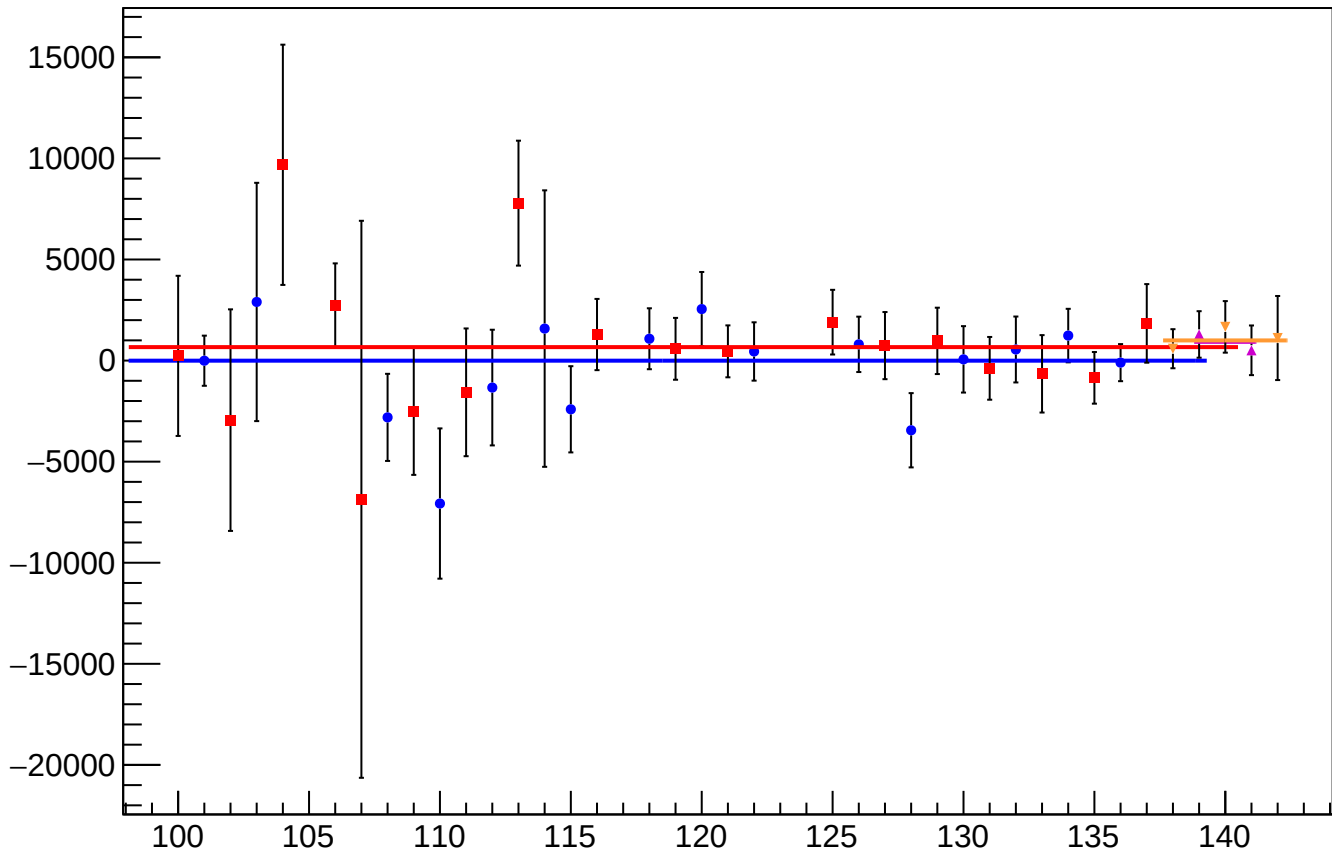
Left In: 2384.737+/-1.281 χ^2/NDF : 57.7/1

+ sign 2523.268+/-0.589 χ^2/NDF : 247794.1/18

All: 2566.270+/-0.428 χ^2/NDF : 720517.7/38

- sign 2614.453+/-0.623 χ^2/NDF : 461419.1/19

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169 ± 412.248 χ^2/NDF : 14.5/15

Left Out: 996.582 ± 722.184 χ^2/NDF : 0.5/2

Right Out: 665.952 ± 460.513 χ^2/NDF : 14.4/17

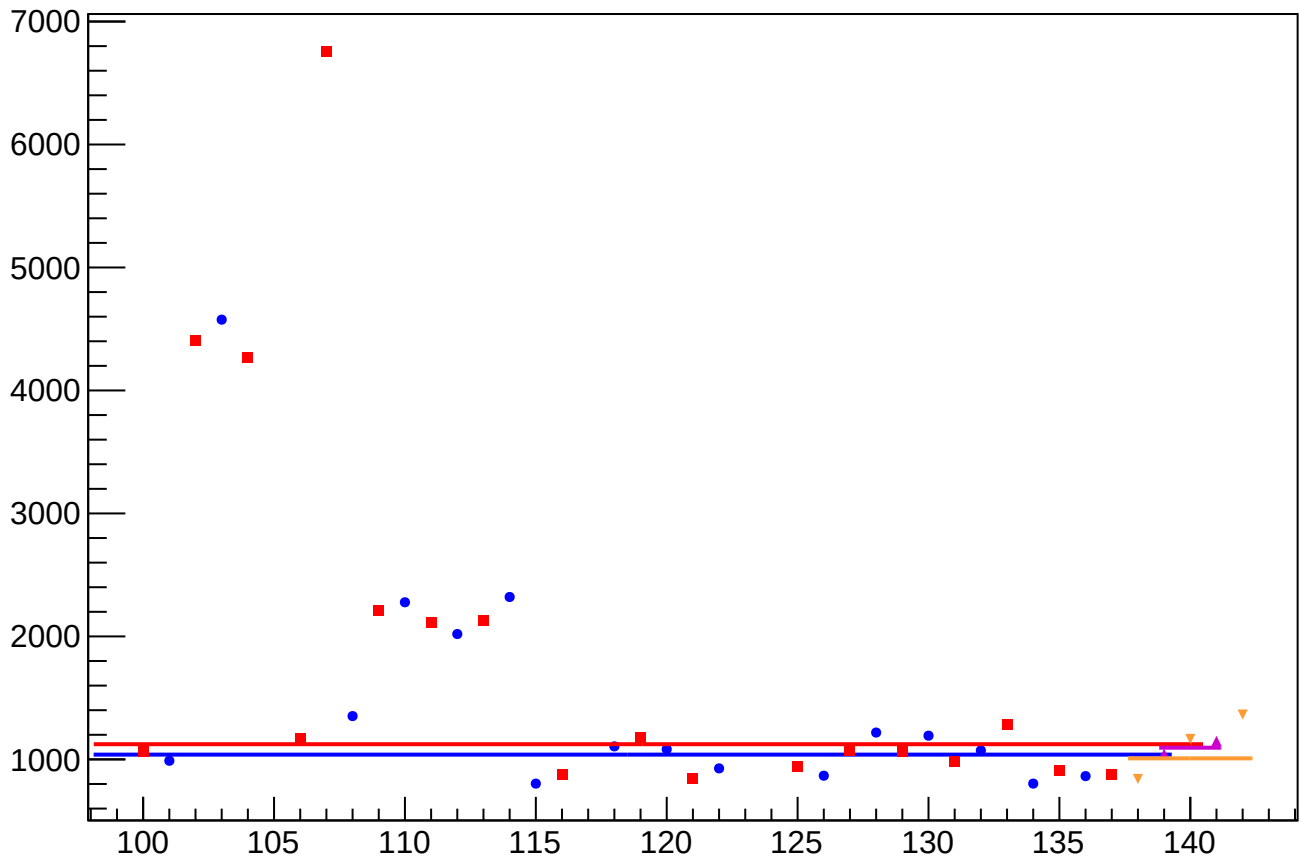
Left In: 925.971 ± 839.469 χ^2/NDF : 0.2/1

+ sign 241.030 ± 358.023 χ^2/NDF : 16.4/18

All: 454.552 ± 267.875 χ^2/NDF : 31.9/38

- sign 726.101 ± 403.751 χ^2/NDF : 14.7/19

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF : 1539731.1/15

Left Out: 1008.422+/-0.511 χ^2/NDF : 149396.6/2

Right Out: 1123.474+/-0.326 χ^2/NDF : 2535511.7/17

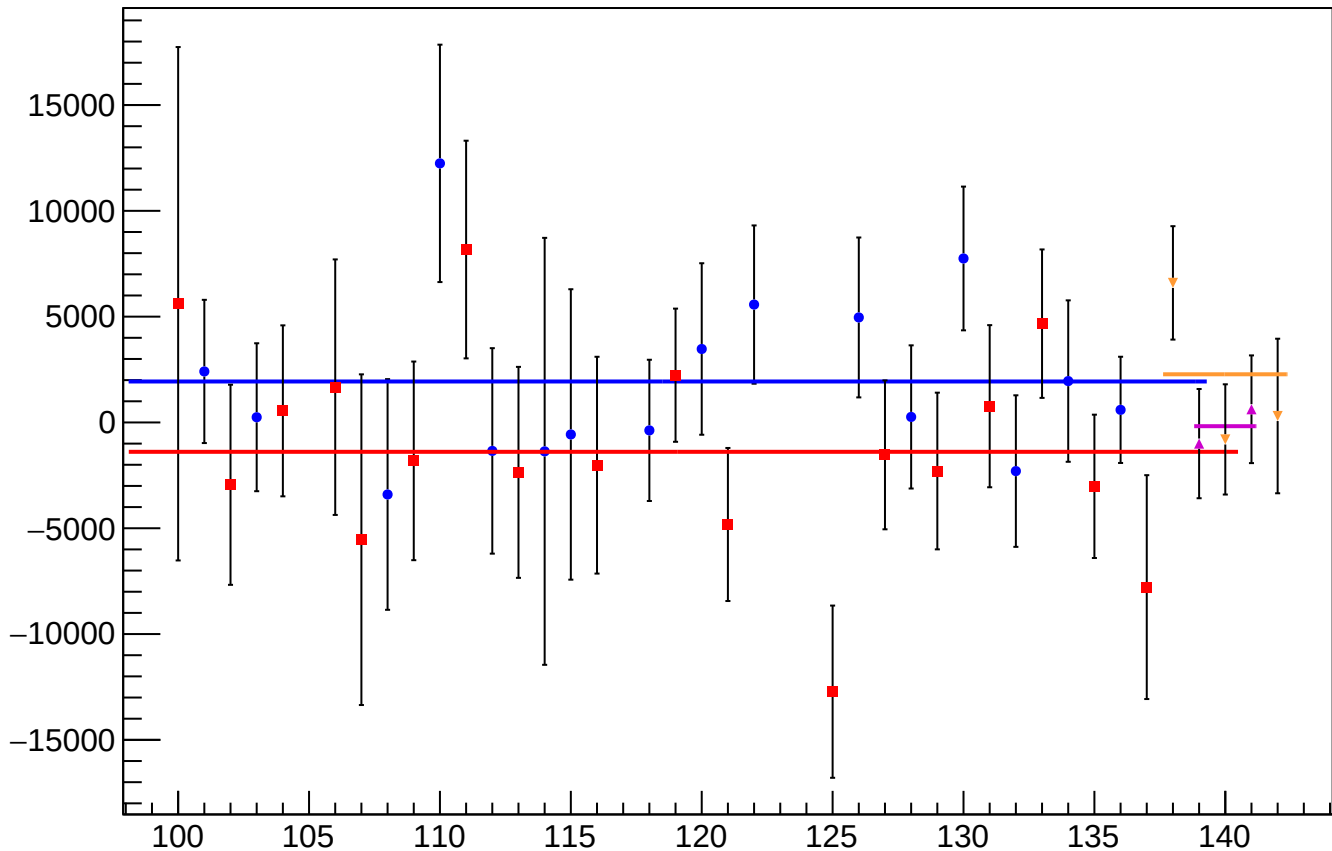
Left In: 1095.051+/-0.594 χ^2/NDF : 7688.1/1

+ sign 1031.336+/-0.253 χ^2/NDF : 1691797.2/18

All: 1069.000+/-0.189 χ^2/NDF : 4287042.0/38

- sign 1116.899+/-0.285 χ^2/NDF : 2544962.3/19

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF : 12.4/15

Left Out: 2276.241+/-1662.915 χ^2/NDF : 4.3/2

Right Out: -1387.545+/-1009.105 χ^2/NDF : 19.8/17

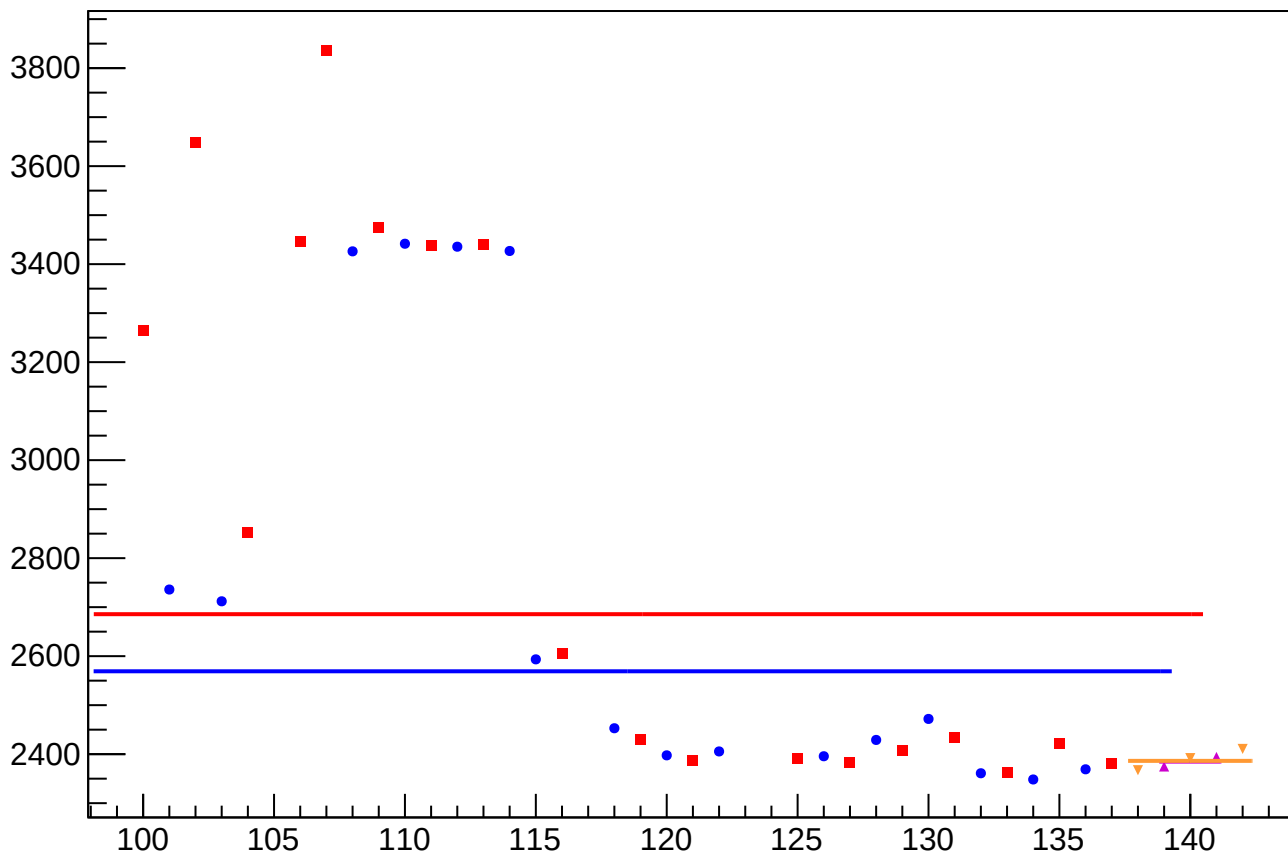
Left In: -176.862+/-1812.283 χ^2/NDF : 0.2/1

+ sign 2021.349+/-832.909 χ^2/NDF : 16.7/18

All: 548.845+/-605.452 χ^2/NDF : 43.6/38

- sign -1101.018+/-881.645 χ^2/NDF : 20.3/19

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF : 229487.3/15

Left Out: 2386.320+/-1.176 χ^2/NDF :199.7/2

Right Out: 2685.674+/-0.714 χ^2/NDF : 419264.2/17

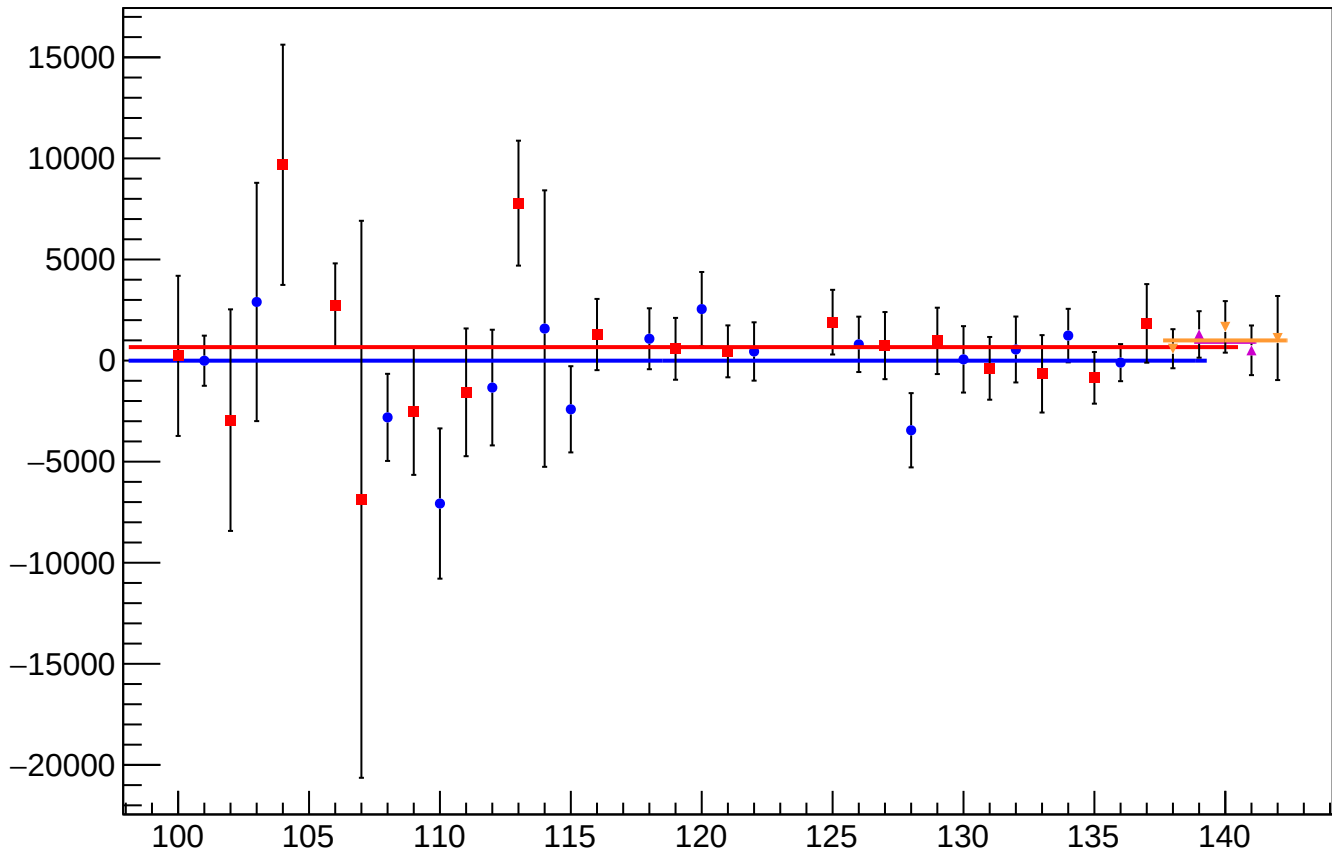
Left In: 2384.737+/-1.281 χ^2/NDF :57.7/1

+ sign 2523.267+/-0.589 χ^2/NDF : 247793.7/18

All: 2566.270+/-0.428 χ^2/NDF : 720516.7/38

- sign 2614.453+/-0.623 χ^2/NDF : 461418.4/19

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172 ± 412.248 χ^2/NDF : 14.5/15

Left Out: 996.584 ± 722.184 χ^2/NDF : 0.5/2

Right Out: 665.953 ± 460.513 χ^2/NDF : 14.4/17

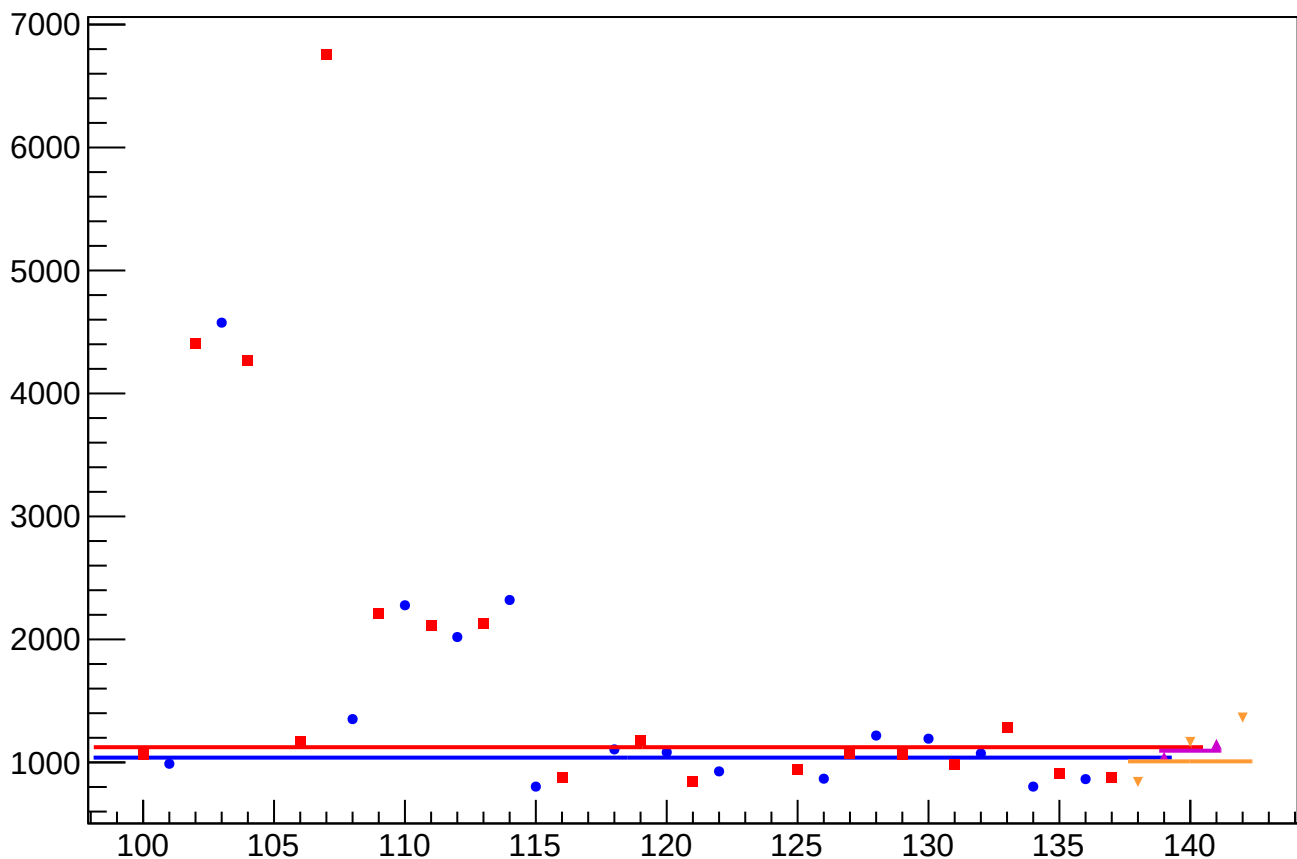
Left In: 925.974 ± 839.470 χ^2/NDF : 0.2/1

+ sign 241.028 ± 358.023 χ^2/NDF : 16.4/18

All: 454.551 ± 267.875 χ^2/NDF : 31.9/38

- sign 726.102 ± 403.751 χ^2/NDF : 14.7/19

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF : 1539724.8/15

Left Out: 1008.423+/-0.511 χ^2/NDF : 149397.4/2

Right Out: 1123.474+/-0.326 χ^2/NDF : 2535509.9/17

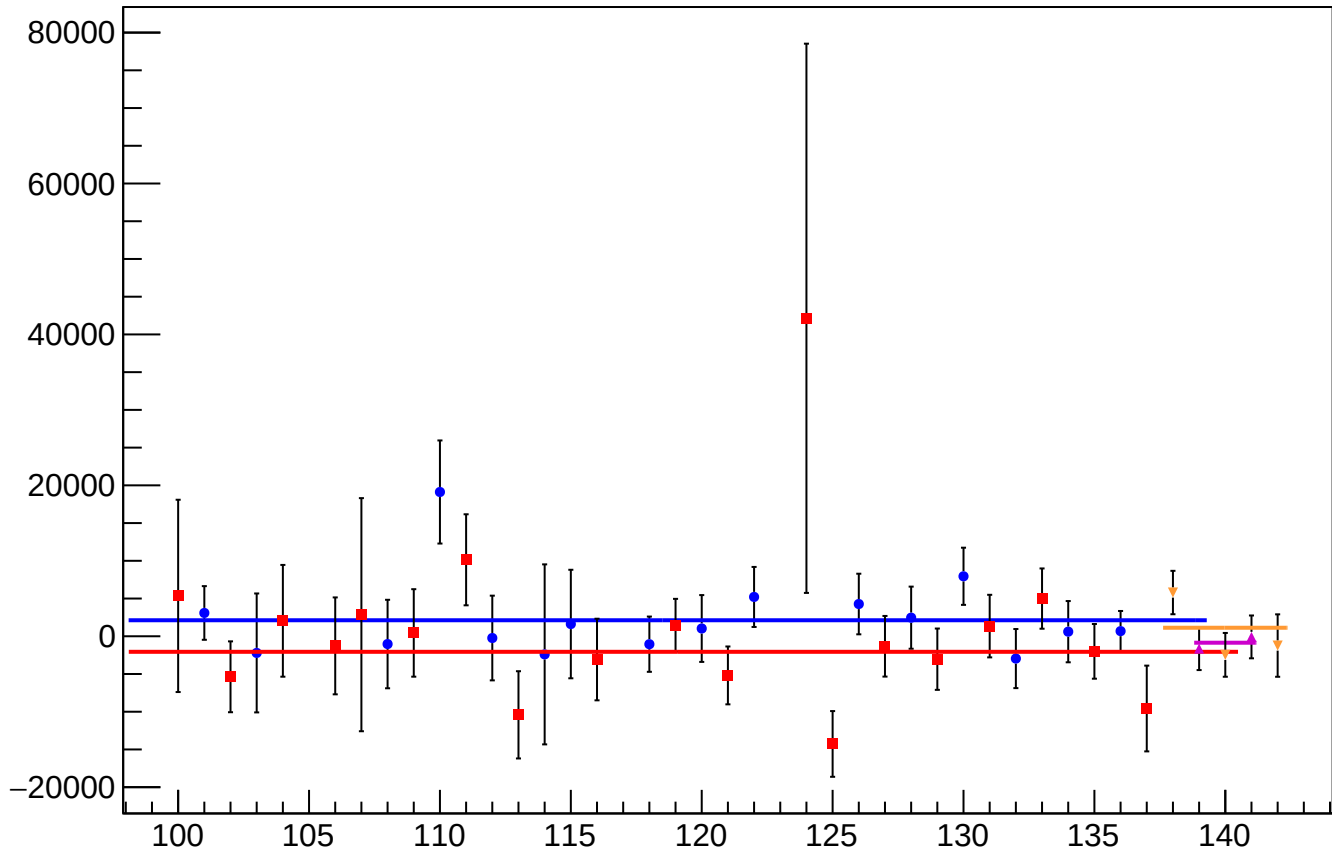
Left In: 1095.052+/-0.594 χ^2/NDF : 7688.2/1

+ sign 1031.337+/-0.253 χ^2/NDF : 1691791.7/18

All: 1069.000+/-0.189 χ^2/NDF : 4287034.1/38

- sign 1116.899+/-0.285 χ^2/NDF : 2544960.5/19

asym_atl1_mean vs Slug



Right In: 2121.991 $\pm$ 1084.700 χ^2 /NDF: 13.4/15

Left Out: 1128.346 $\pm$ 1831.605 χ^2 /NDF: 4.5/2

Right Out: -2059.741 $\pm$ 1136.807 χ^2 /NDF: 24.3/18

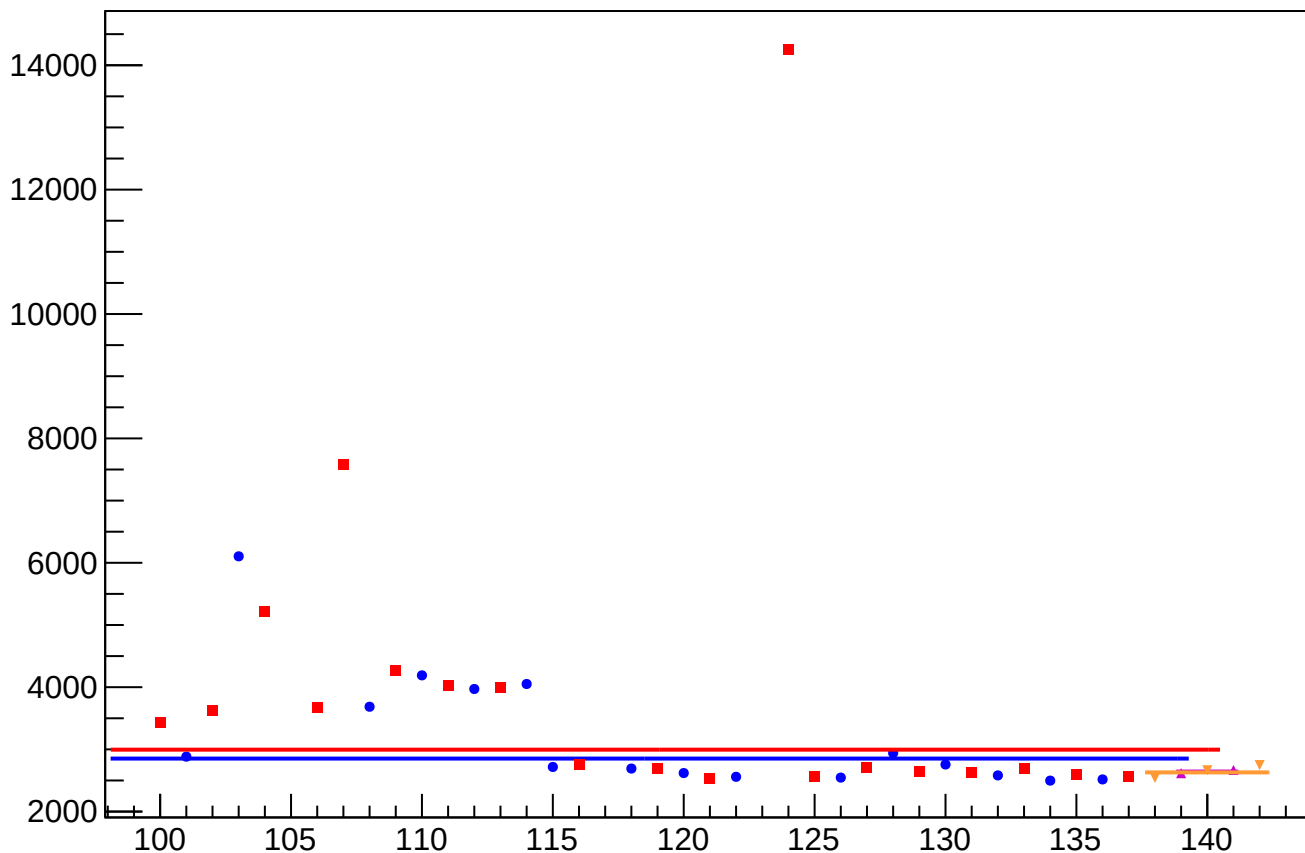
Left In: -854.702 $\pm$ 2010.360 χ^2 /NDF: 0.1/1

+ sign 1863.989 $\pm$ 933.313 χ^2 /NDF: 18.1/18

All: 154.238 $\pm$ 678.964 χ^2 /NDF: 49.9/39

- sign -1767.776 $\pm$ 989.553 χ^2 /NDF: 24.7/20

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF : 648715.2/15

Left Out: 2629.976+/-1.295 χ^2/NDF : 3833.8/2

Right Out: 2995.525+/-0.804 χ^2/NDF : 979168.6/18

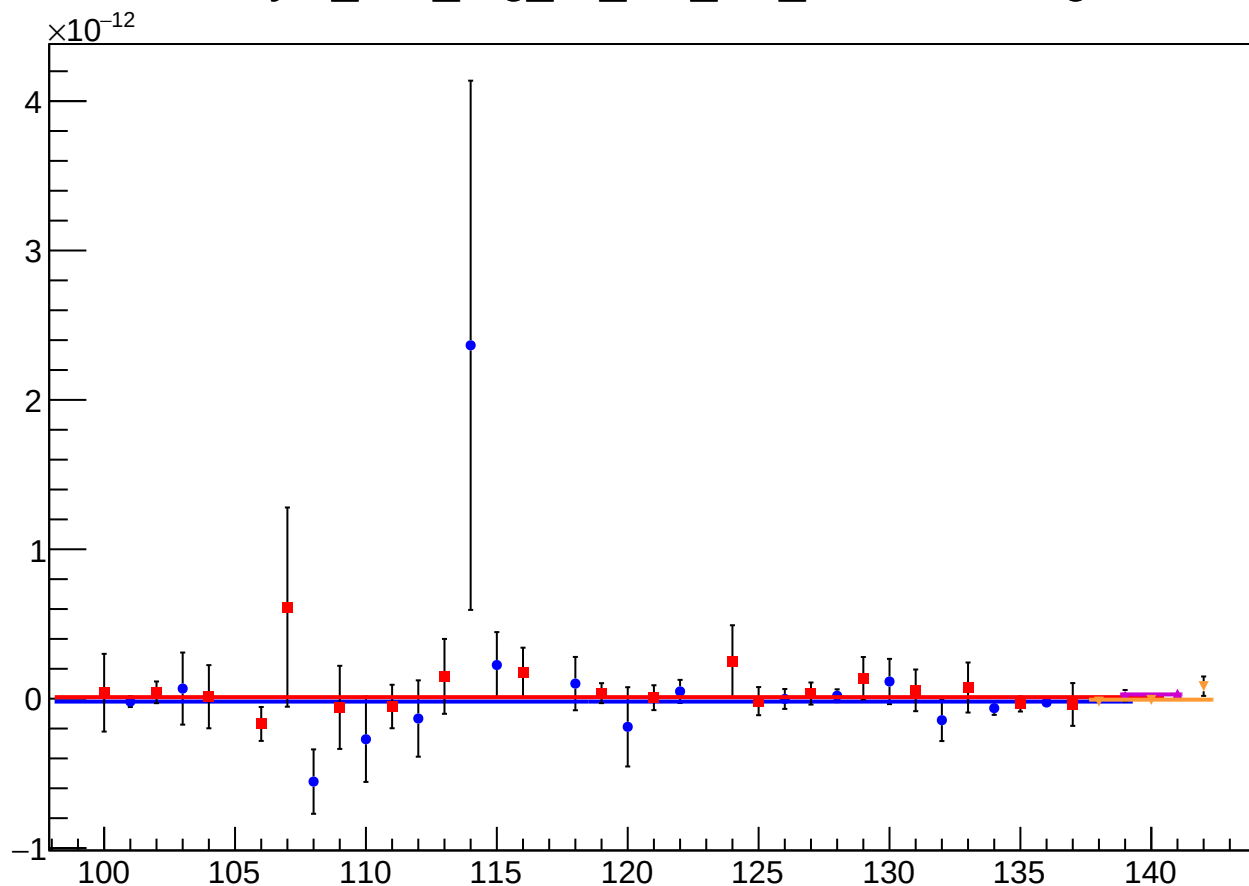
Left In: 2643.379+/-1.422 χ^2/NDF : 334.3/1

+ sign 2794.503+/-0.660 χ^2/NDF : 674346.6/18

All: 2848.973+/-0.480 χ^2/NDF : 1714817.5/39

- sign 2910.205+/-0.700 χ^2/NDF : 1026000.9/20

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 15.4/15$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 2.2/2$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 8.3/18$

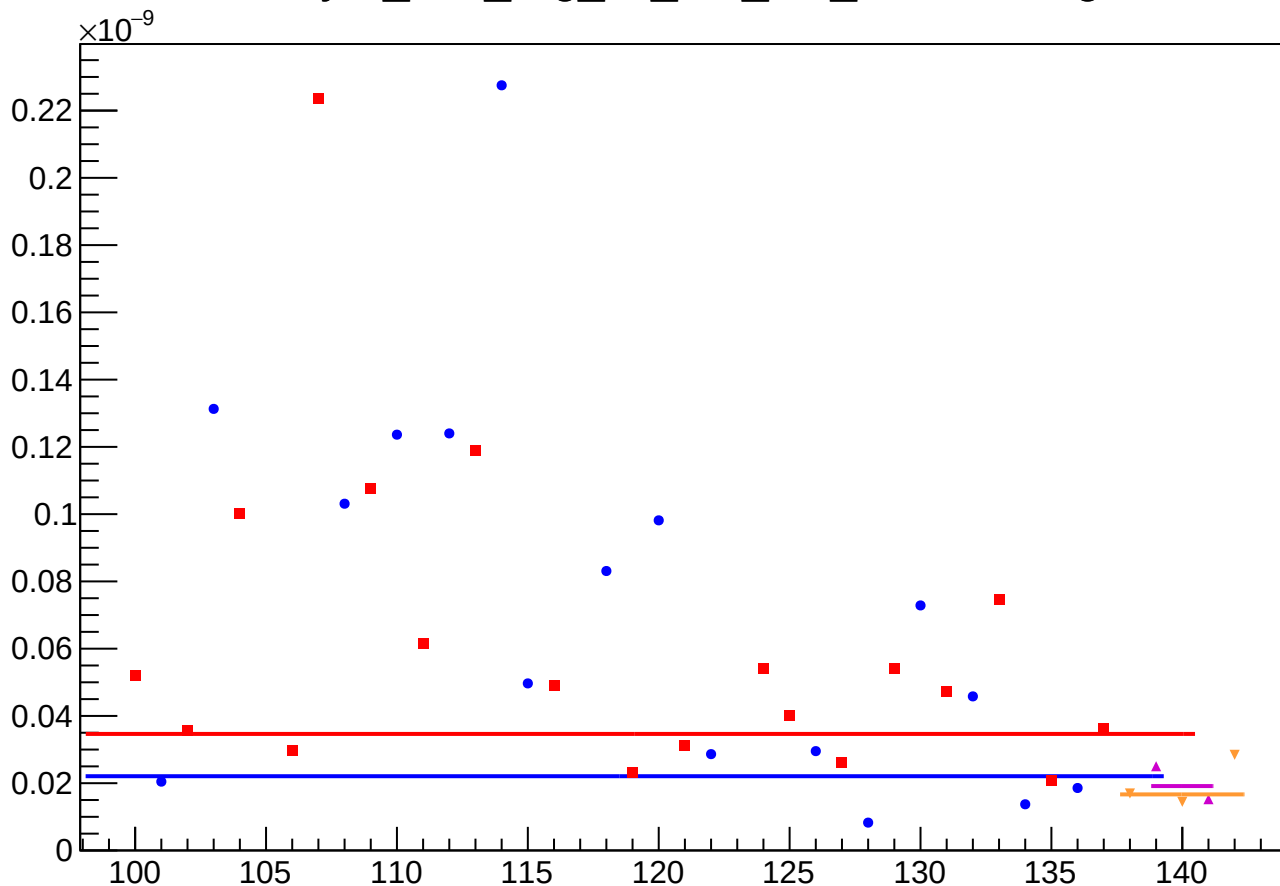
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.1/1$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 17.9/18$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 29.0/39$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 8.7/20$

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 : 80040.0/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1242991.9/18

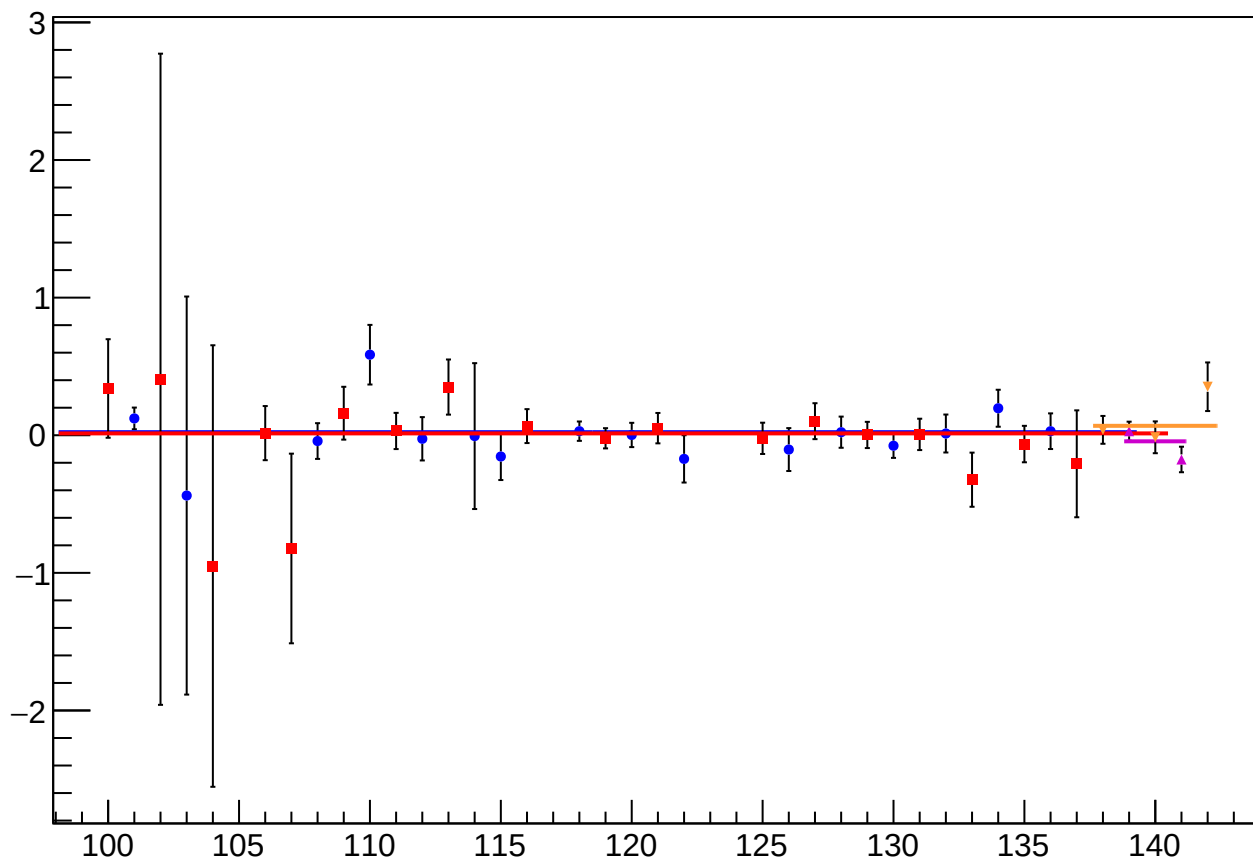
Left In: 0.000+/-0.000 χ^2/NDF : 81547.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2519720.7/18

All: 0.000+/-0.000 χ^2/NDF : 4492374.2/39

- sign 0.000+/-0.000 χ^2/NDF : 1738671.8/20

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 χ^2/NDF : 14.8/15

Left Out: 0.068 ± 0.070 χ^2/NDF : 3.2/2

Right Out: 0.013 ± 0.033 χ^2/NDF : 10.8/17

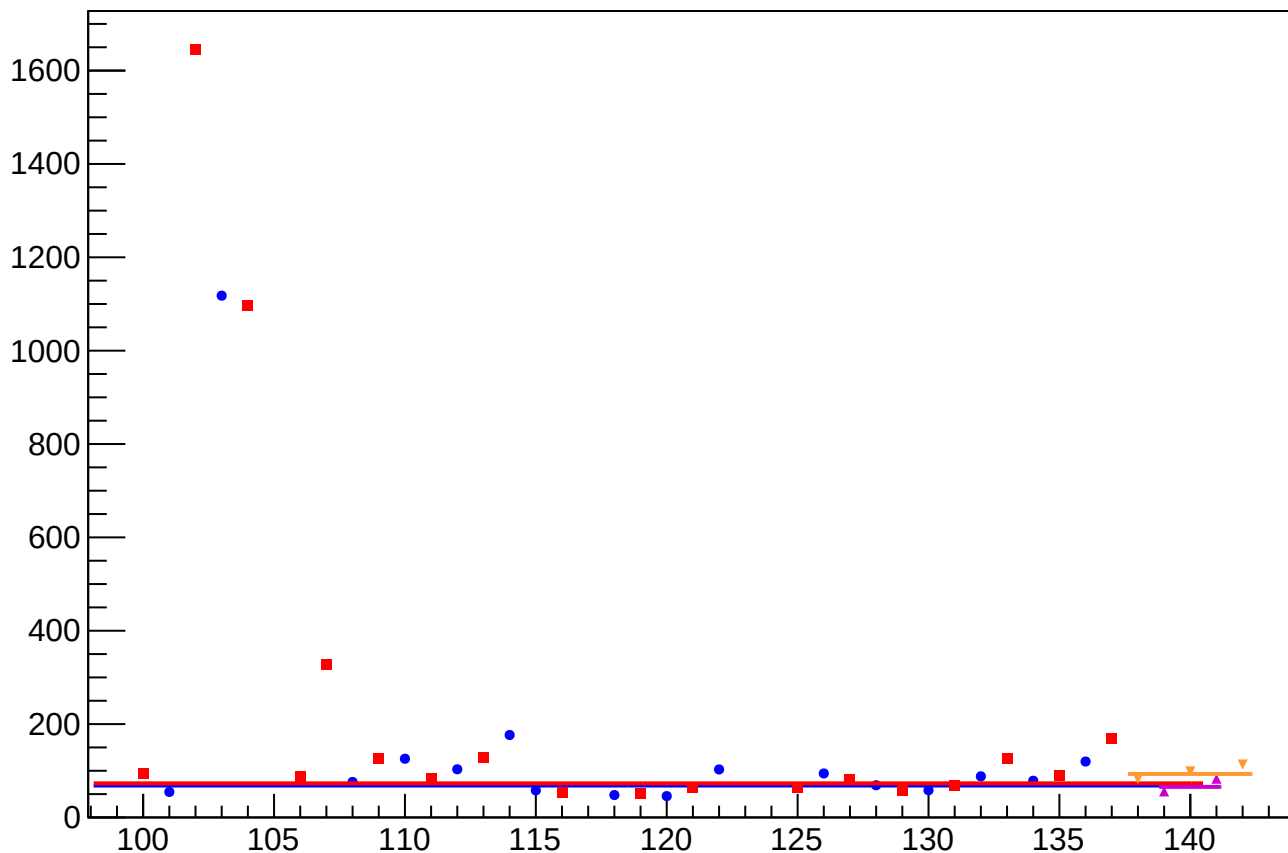
Left In: -0.044 ± 0.055 χ^2/NDF : 3.2/1

+ sign 0.030 ± 0.028 χ^2/NDF : 18.4/18

All: 0.014 ± 0.020 χ^2/NDF : 33.8/38

- sign -0.002 ± 0.029 χ^2/NDF : 14.8/19

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF : 2278083.9/15

Left Out: 93.211+/-0.049 χ^2/NDF : 53220.2/2

Right Out: 73.072+/-0.024 χ^2/NDF : 2913147.6/17

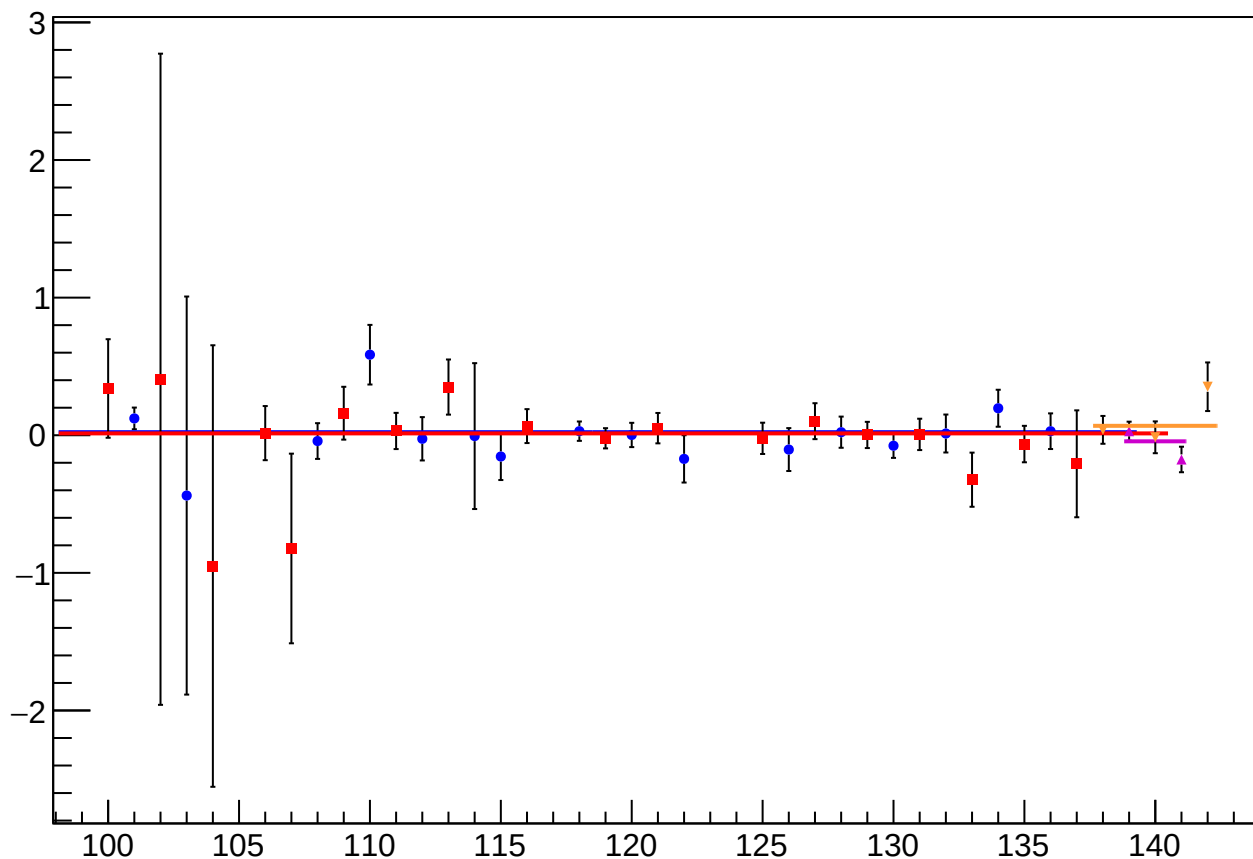
Left In: 65.542+/-0.039 χ^2/NDF : 110421.2/1

+ sign 72.315+/-0.020 χ^2/NDF : 2543171.0/18

All: 71.710+/-0.014 χ^2/NDF : 5595727.9/38

- sign 71.062+/-0.020 χ^2/NDF : 3050579.4/19

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: 0.068 $\pm$ 0.070 χ^2 /NDF:3.2/2

Right Out: 0.013 $\pm$ 0.033 χ^2 /NDF: 10.8/17

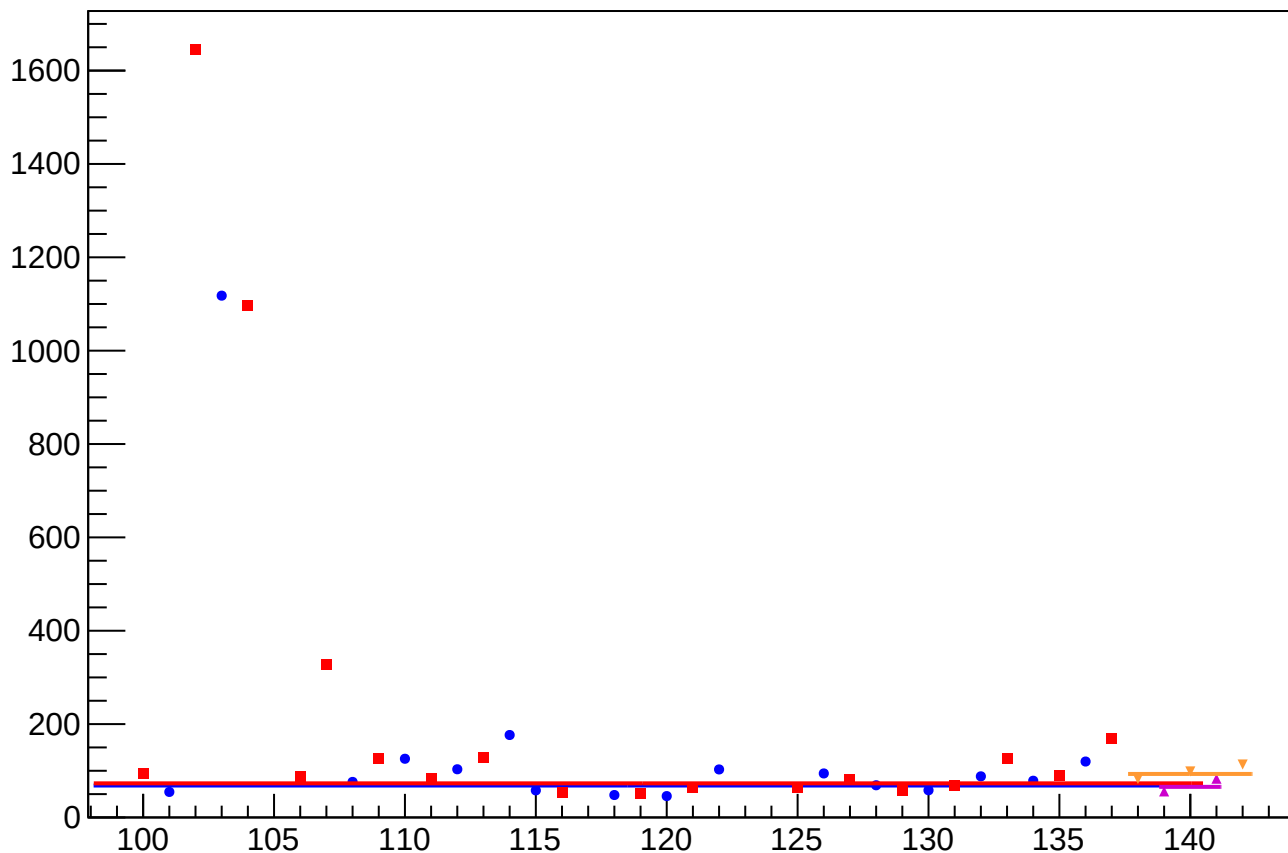
Left In: -0.044 $\pm$ 0.055 χ^2 /NDF:3.2/1

+ sign 0.030 $\pm$ 0.028 χ^2 /NDF: 18.4/18

All: 0.014 $\pm$ 0.020 χ^2 /NDF: 33.8/38

- sign -0.002 $\pm$ 0.029 χ^2 /NDF: 14.8/19

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429 $\pm$ 0.021 χ^2 /NDF: 2278083.9/15

Left Out: 93.211 $\pm$ 0.049 χ^2 /NDF: 53220.2/2

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913147.6/17

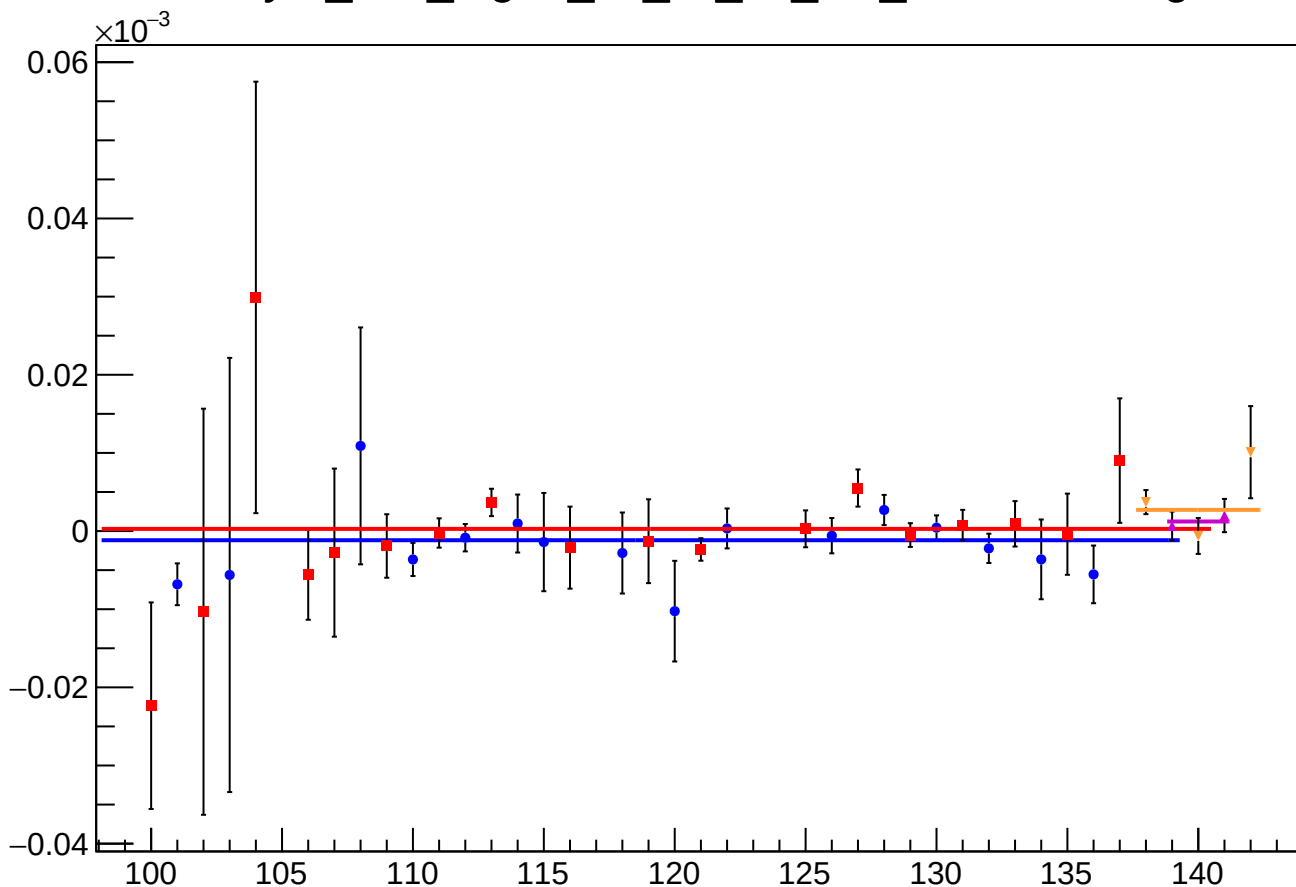
Left In: 65.542 $\pm$ 0.039 χ^2 /NDF: 110421.2/1

+ sign 72.315 $\pm$ 0.020 χ^2 /NDF: 2543171.0/18

All: 71.710 $\pm$ 0.014 χ^2 /NDF: 5595727.9/38

- sign 71.062 $\pm$ 0.020 χ^2 /NDF: 3050579.4/19

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 : 4.1/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.5/17

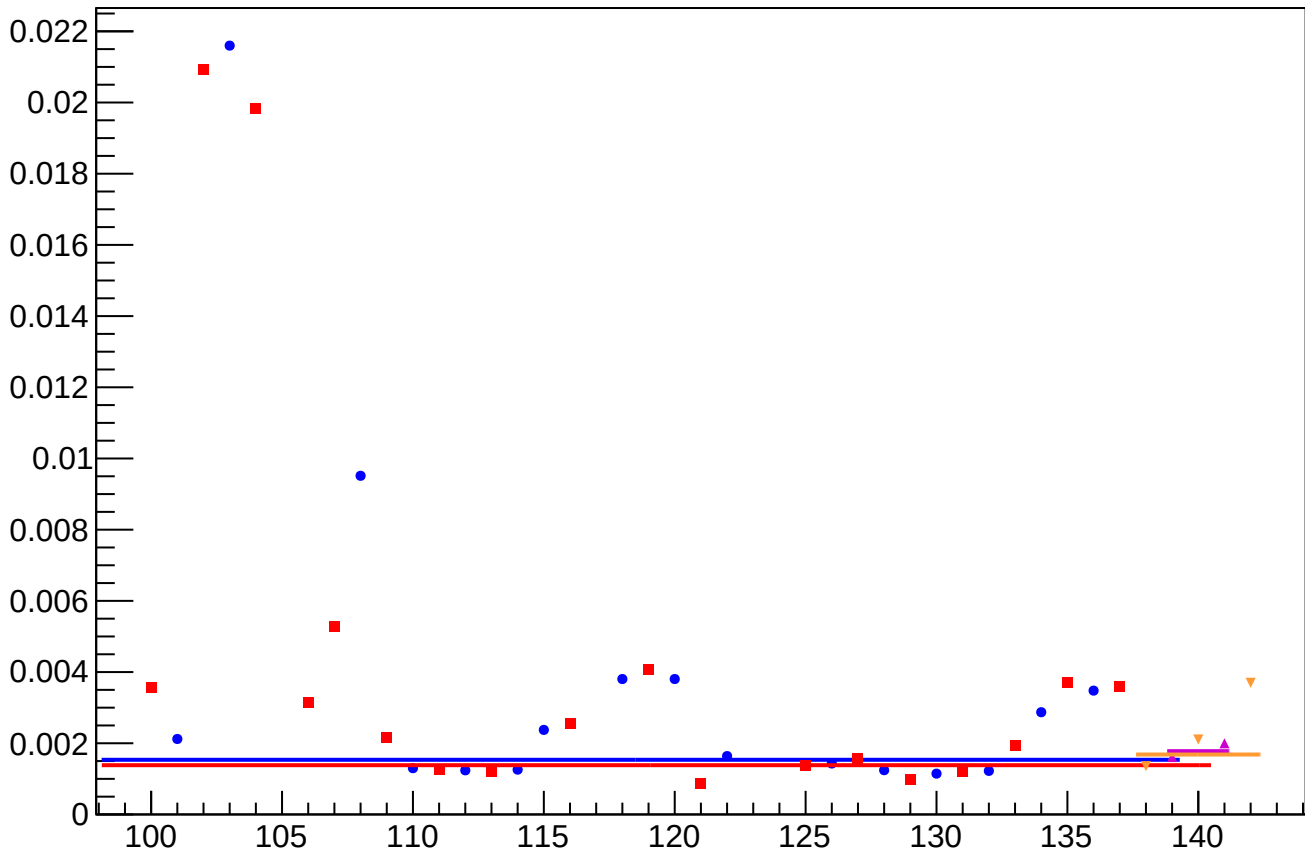
Left In: 0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 27.9/18

All: 0.000 ± 0.000 χ^2/NDF : 48.9/38

- sign 0.000 ± 0.000 χ^2/NDF : 20.1/19

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 : 391082.6/2

Right Out: 0.001 ± 0.000 χ^2/NDF : 4269081.2/17

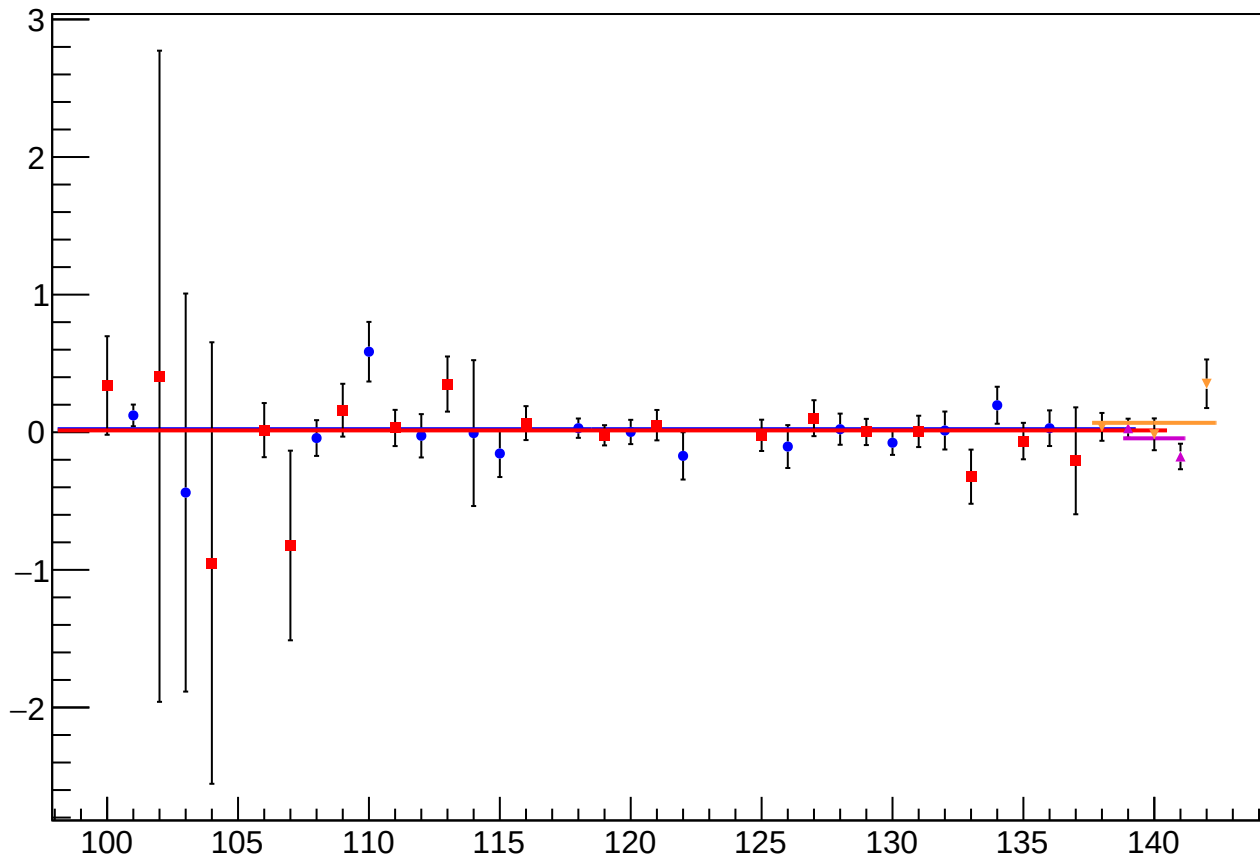
Left In: 0.002 ± 0.000 χ^2/NDF : 37535.7/1

+ sign 0.002 ± 0.000 χ^2/NDF : 3786812.4/18

All: 0.002 ± 0.000 χ^2/NDF : 8267133.2/38

- sign 0.001 ± 0.000 χ^2/NDF : 4439951.9/19

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 χ^2/NDF : 14.8/15

Left Out: 0.068 ± 0.070 χ^2/NDF : 3.2/2

Right Out: 0.013 ± 0.033 χ^2/NDF : 10.8/17

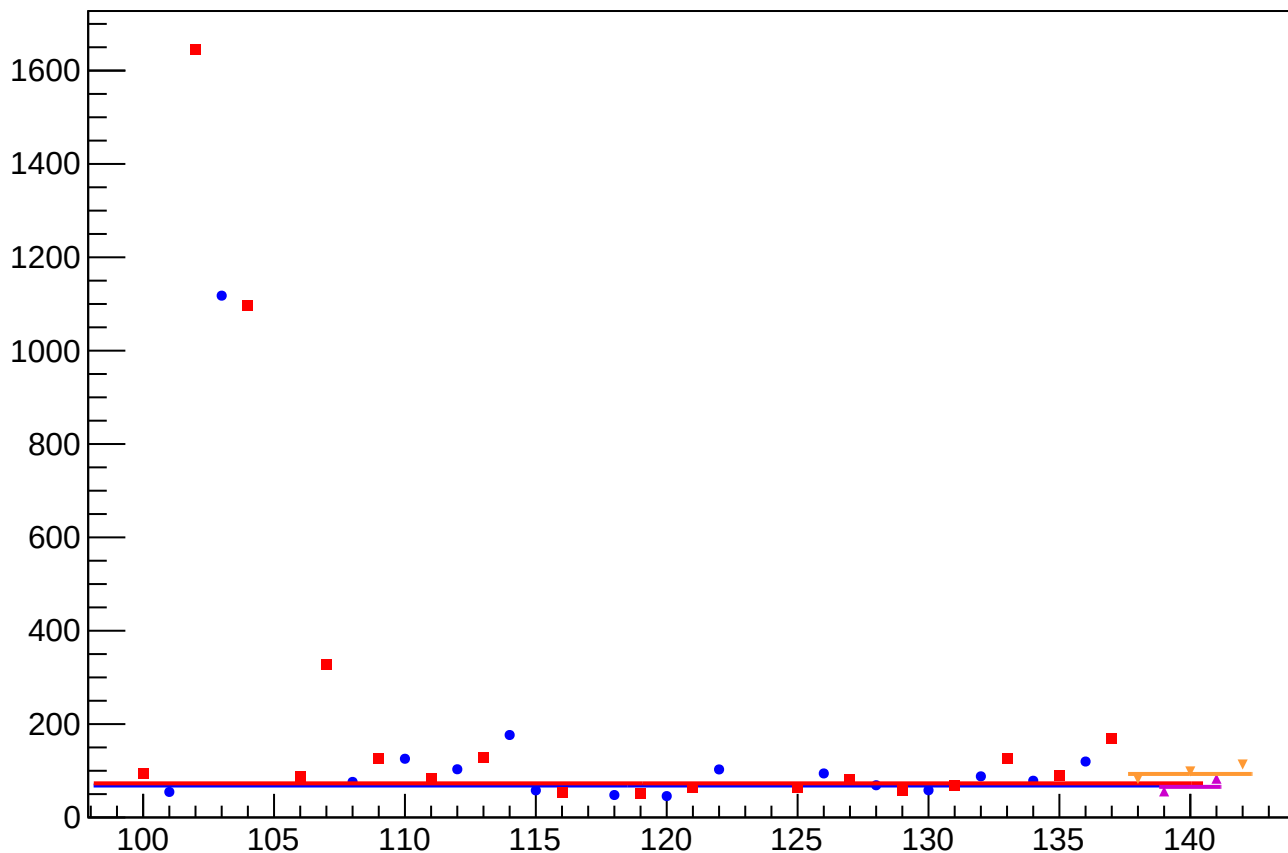
Left In: -0.044 ± 0.055 χ^2/NDF : 3.2/1

+ sign 0.030 ± 0.028 χ^2/NDF : 18.4/18

All: 0.014 ± 0.020 χ^2/NDF : 33.8/38

- sign -0.002 ± 0.029 χ^2/NDF : 14.8/19

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: 93.211 $\pm$ 0.049 χ^2 /NDF: 53219.2/2

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913161.9/17

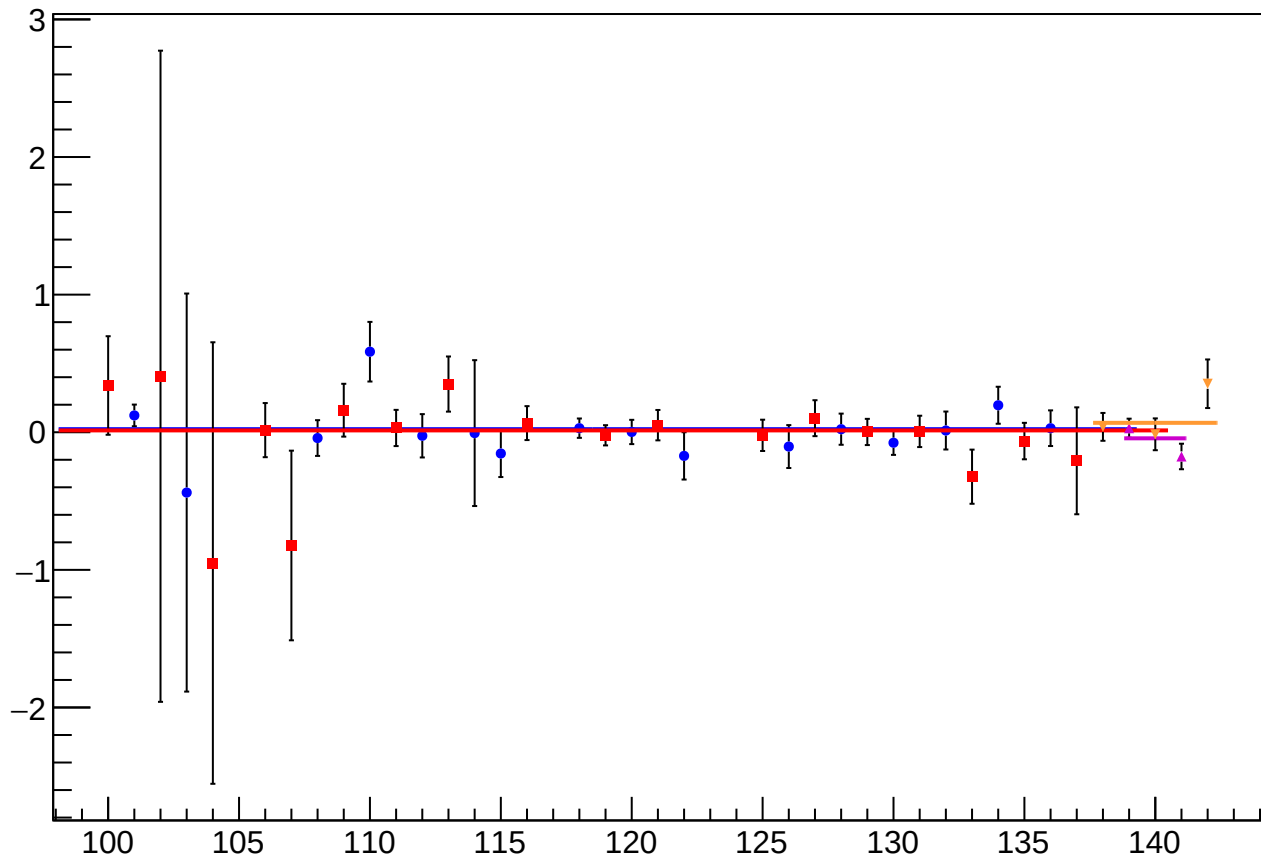
Left In: 65.542 $\pm$ 0.039 χ^2 /NDF: 110417.5/1

+ sign 72.314 $\pm$ 0.020 χ^2 /NDF: 2543270.8/18

All: 71.710 $\pm$ 0.014 χ^2 /NDF: 5595834.2/38

- sign 71.062 $\pm$ 0.020 χ^2 /NDF: 3050587.3/19

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 $\pm$ 0.030 χ^2 /NDF: 14.8/15

Left Out: 0.068 $\pm$ 0.070 χ^2 /NDF: 3.2/2

Right Out: 0.013 $\pm$ 0.033 χ^2 /NDF: 10.8/17

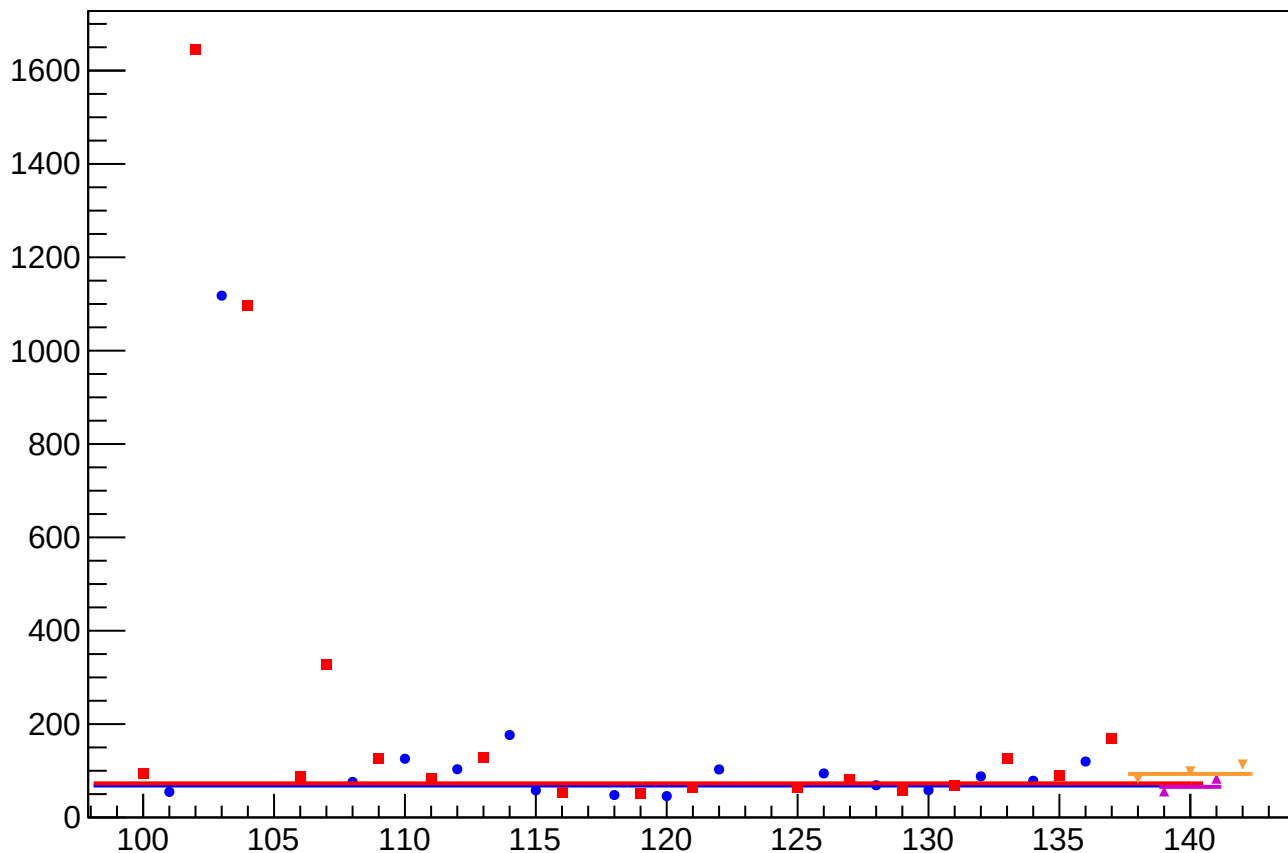
Left In: -0.044 $\pm$ 0.055 χ^2 /NDF: 3.2/1

+ sign 0.030 $\pm$ 0.028 χ^2 /NDF: 18.4/18

All: 0.014 $\pm$ 0.020 χ^2 /NDF: 33.8/38

- sign -0.002 $\pm$ 0.029 χ^2 /NDF: 14.8/19

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: 93.211 $\pm$ 0.049 χ^2 /NDF: 53219.2/2

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913161.9/17

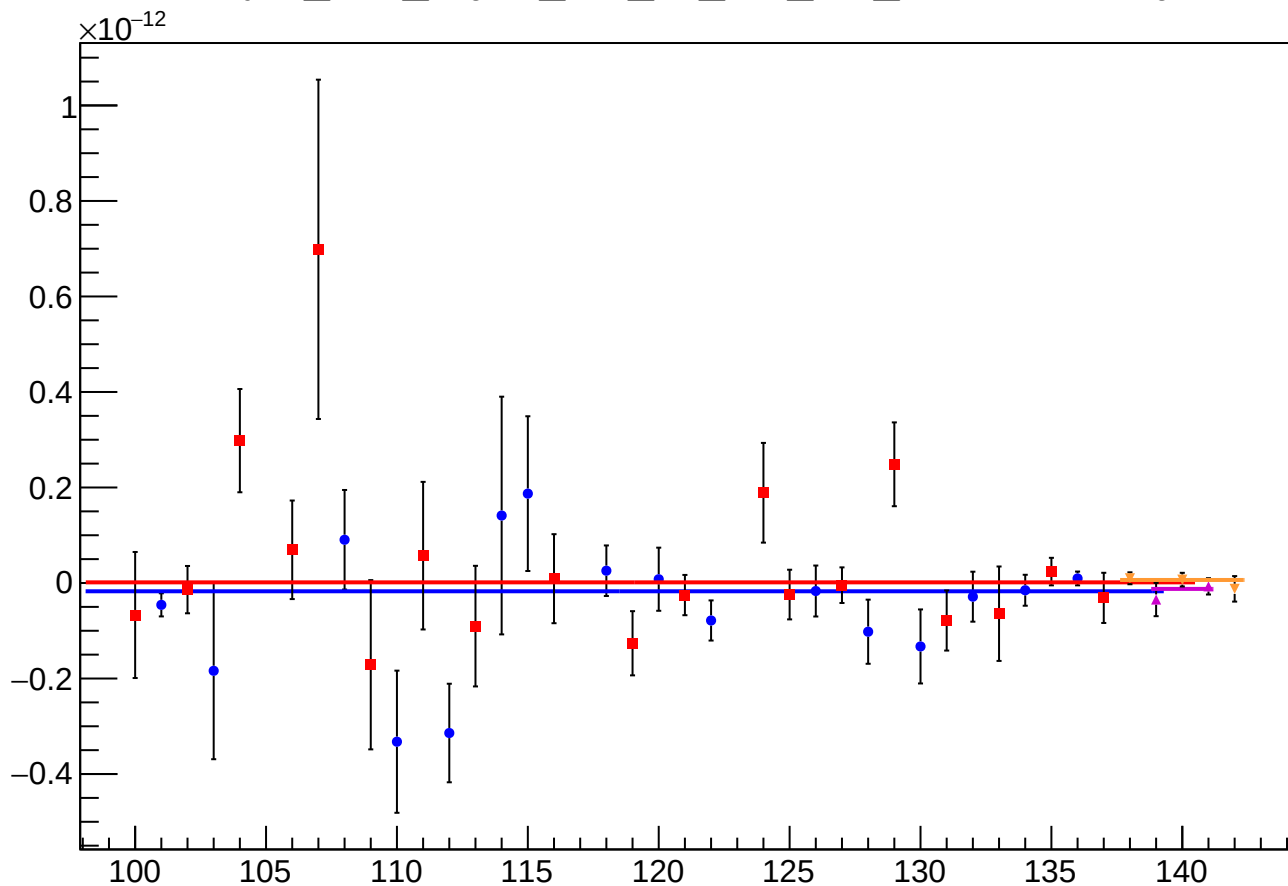
Left In: 65.542 $\pm$ 0.039 χ^2 /NDF: 110417.5/1

+ sign 72.314 $\pm$ 0.020 χ^2 /NDF: 2543270.8/18

All: 71.710 $\pm$ 0.014 χ^2 /NDF: 5595834.2/38

- sign 71.062 $\pm$ 0.020 χ^2 /NDF: 3050587.3/19

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 : 0.6/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.3/18

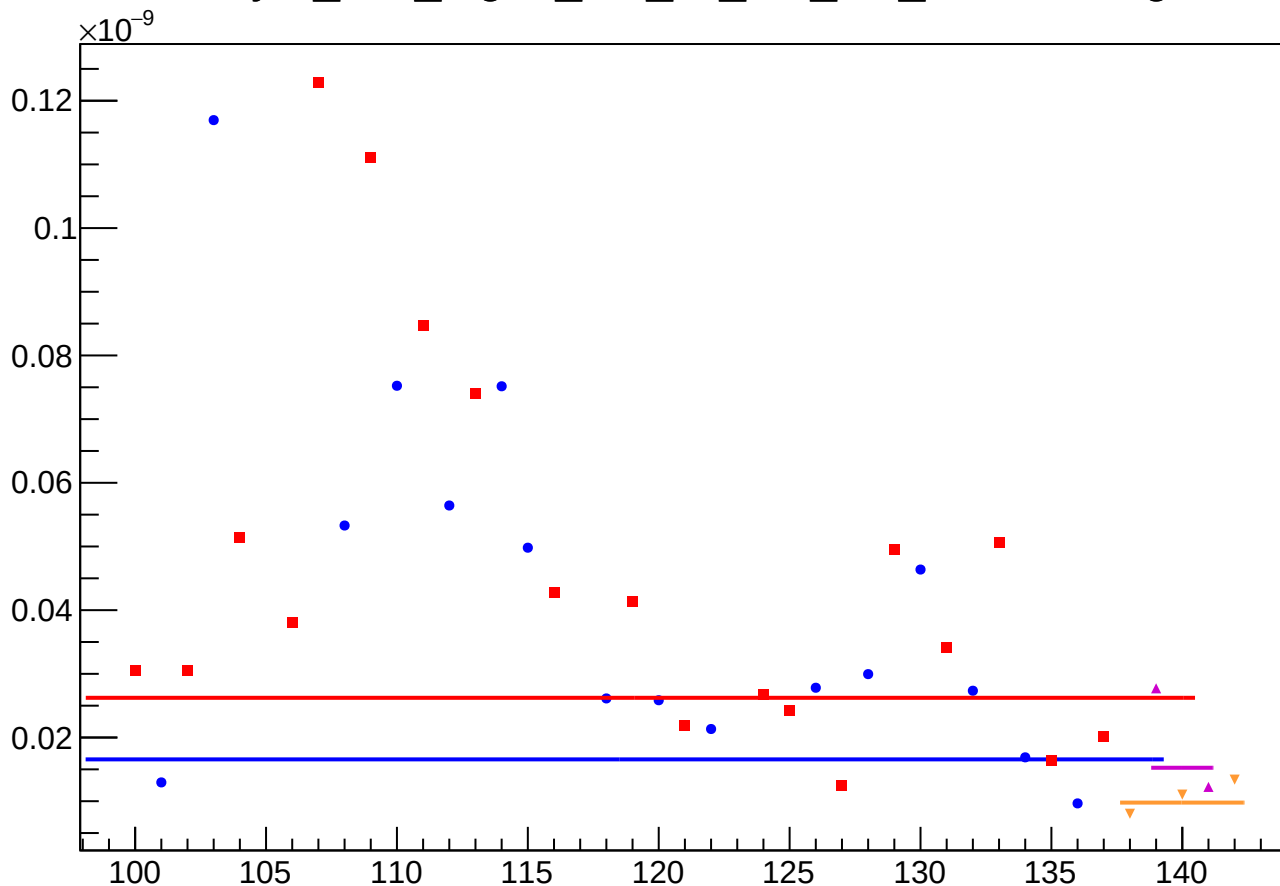
Left In: -0.000 ± 0.000 χ^2/NDF : 0.5/1

+ sign -0.000 ± 0.000 χ^2/NDF : 32.0/18

All: -0.000 ± 0.000 χ^2/NDF : 65.2/39

- sign -0.000 ± 0.000 χ^2/NDF : 33.2/20

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 : 91030.0/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2346394.7/18

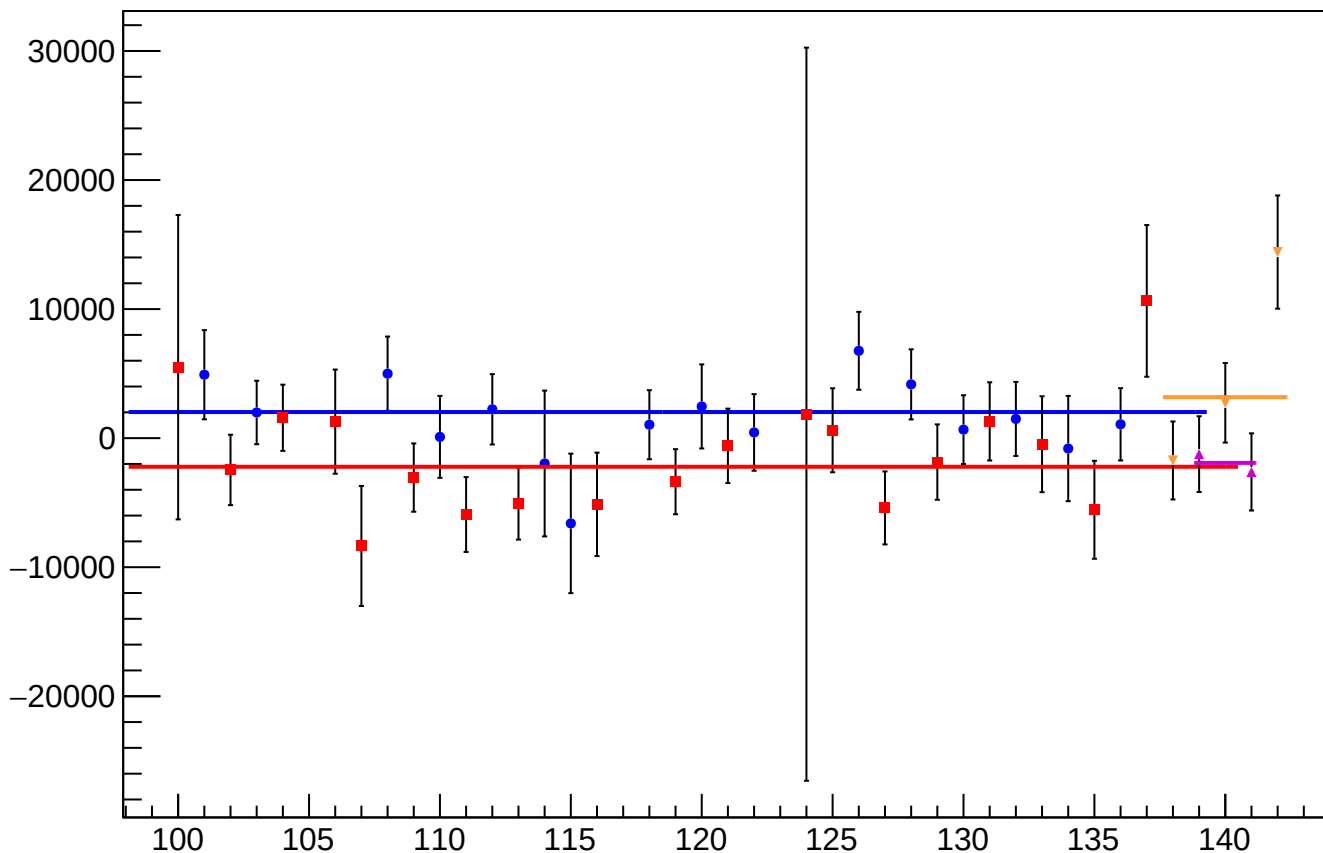
Left In: 0.000+/-0.000 χ^2/NDF : 317940.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 3430248.8/18

All: 0.000+/-0.000 χ^2/NDF : 7560328.6/39

- sign 0.000+/-0.000 χ^2/NDF : 3214017.2/20

reg_asym_atl2_mean vs Slug



Right In: 2022.690 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: 3178.187 $\pm$ 1936.334 χ^2 /NDF:9.2/2

Right Out: -2217.261 $\pm$ 756.139 χ^2 /NDF: 18.1/18

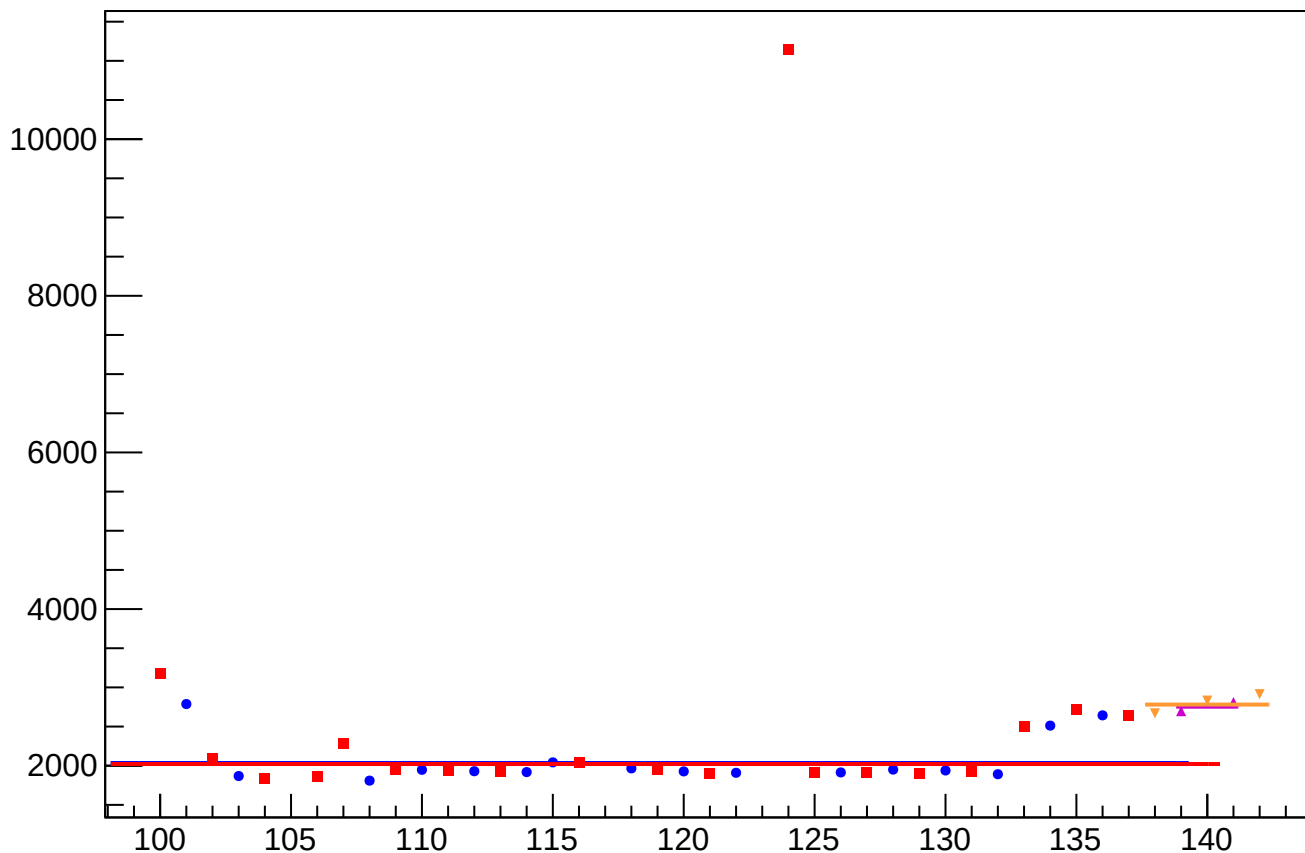
Left In: -1916.292 $\pm$ 2094.636 χ^2 /NDF:0.1/1

+ sign 2178.469 $\pm$ 710.969 χ^2 /NDF: 19.1/18

All: -1.283 $\pm$ 502.819 χ^2 /NDF: 56.2/39

- sign -2182.563 $\pm$ 711.218 χ^2 /NDF: 18.3/20

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF : 262960.7/15

Left Out: 2780.594+/-1.369 χ^2/NDF : 5122.4/2

Right Out: 2021.545+/-0.535 χ^2/NDF : 390321.3/18

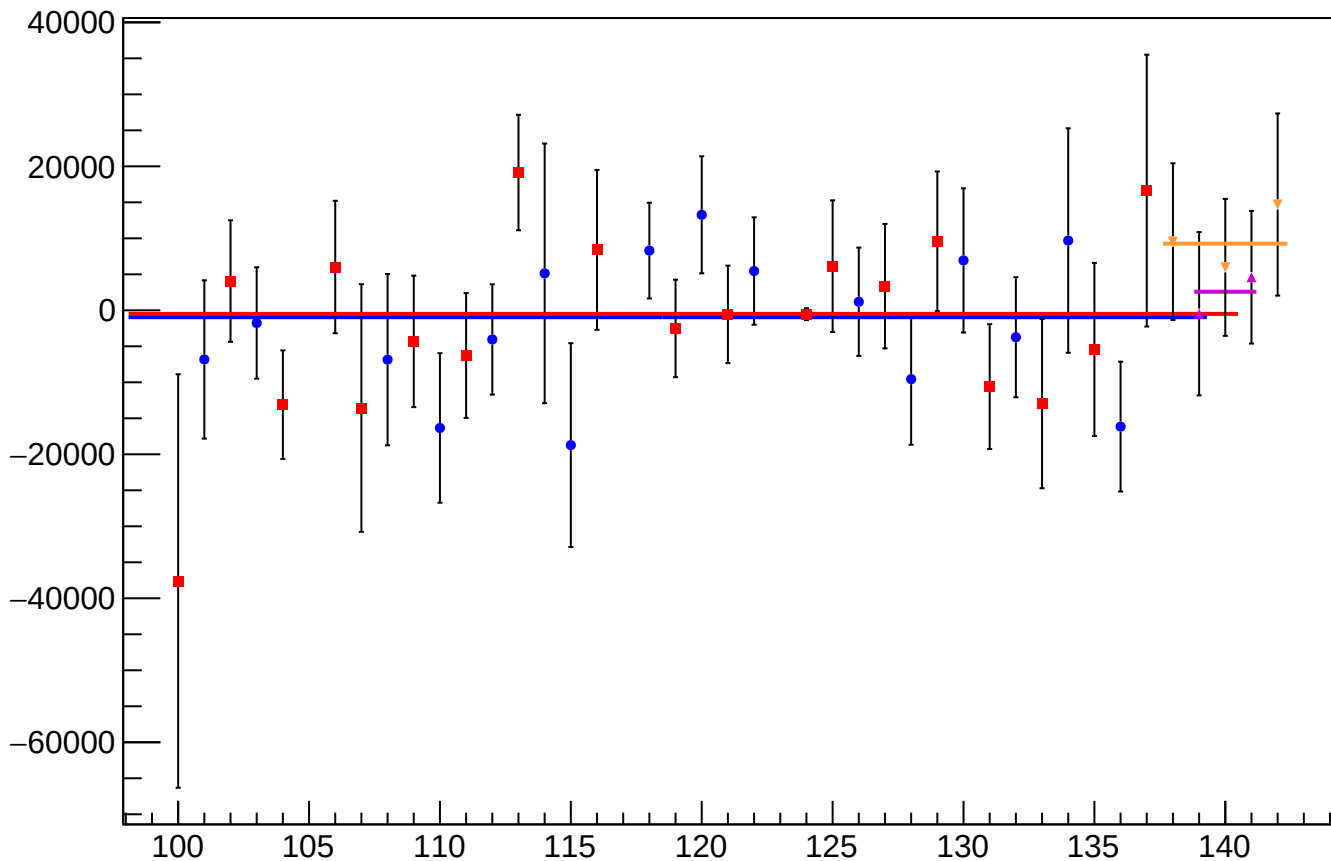
Left In: 2753.847+/-1.481 χ^2/NDF : 1540.5/1

+ sign 2134.790+/-0.503 χ^2/NDF : 525218.4/18

All: 2120.386+/-0.356 χ^2/NDF : 1134991.9/39

- sign 2105.971+/-0.503 χ^2/NDF : 608131.1/20

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519 ± 2278.532 χ^2/NDF : 15.3/15

Left Out: 9261.256 ± 6233.125 χ^2/NDF : 0.3/2

Right Out: -497.346 ± 768.286 χ^2/NDF : 18.5/18

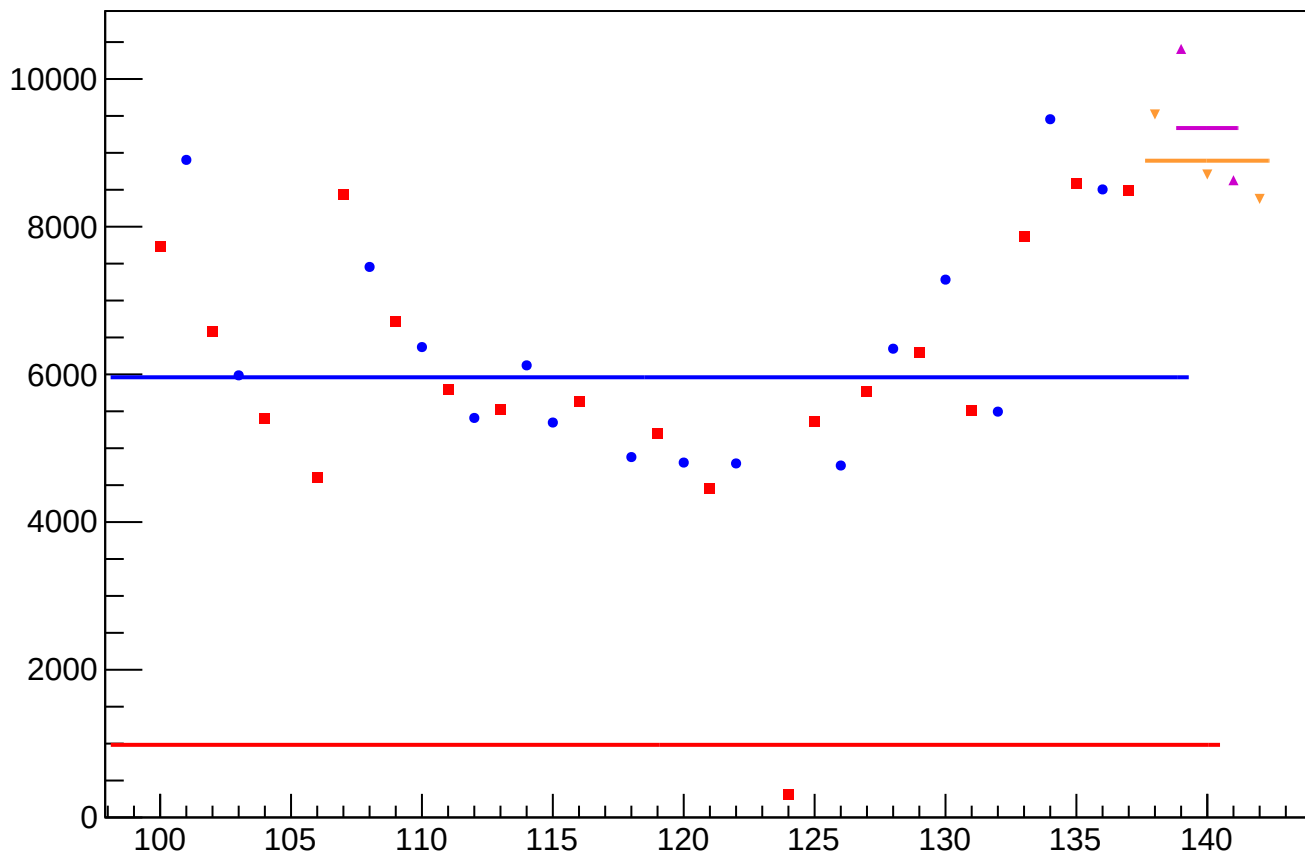
Left In: 2582.135 ± 7148.905 χ^2/NDF : 0.1/1

+ sign 253.211 ± 2140.029 χ^2/NDF : 18.0/18

All: -381.335 ± 719.429 χ^2/NDF : 36.9/39

- sign -462.185 ± 763.888 χ^2/NDF : 18.8/20

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802 ± 1.611 $\chi^2/\text{NDF}: 689267.6/15$

Left Out: 8893.648 ± 4.407 $\chi^2/\text{NDF}: 10741.9/2$

Right Out: 983.316 ± 0.543 $\chi^2/\text{NDF}: 11416689.8/18$

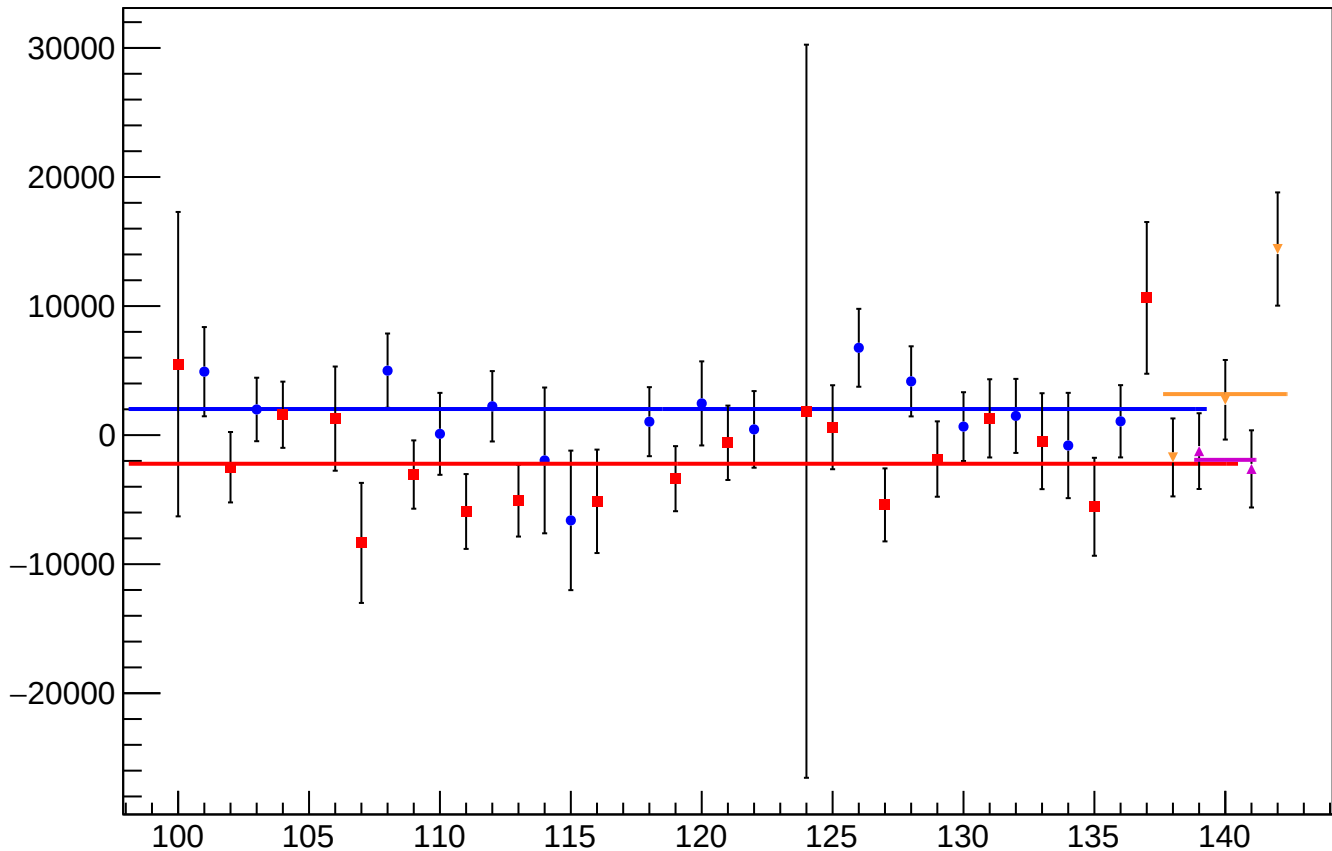
Left In: 9335.873 ± 5.055 $\chi^2/\text{NDF}: 29626.2/1$

+ sign 6306.516 ± 1.513 $\chi^2/\text{NDF}: 1090604.2/18$

All: 1669.507 ± 0.509 $\chi^2/\text{NDF}: 25822362.1/3$

- sign 1078.684 ± 0.540 $\chi^2/\text{NDF}: 14145314.4/20$

cor_asym_atl2_mean vs Slug



Right In: 2022.816 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: 3178.593 $\pm$ 1936.334 χ^2 /NDF:9.2/2

Right Out: -2219.099 $\pm$ 756.147 χ^2 /NDF: 18.1/18

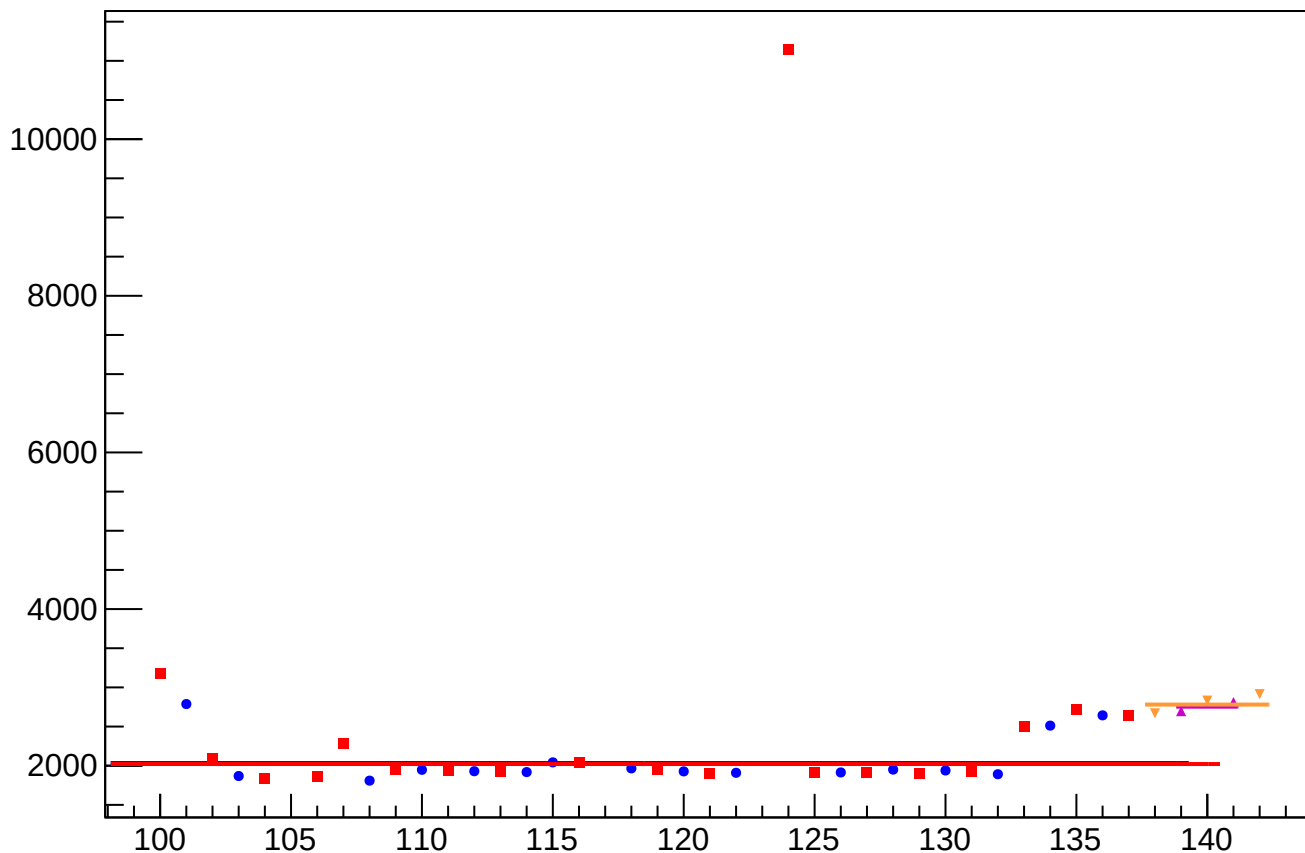
Left In: -1916.097 $\pm$ 2094.636 χ^2 /NDF:0.1/1

+ sign 2178.633 $\pm$ 710.969 χ^2 /NDF: 19.1/18

All: -1.983 $\pm$ 502.821 χ^2 /NDF: 56.2/39

- sign -2184.166 $\pm$ 711.224 χ^2 /NDF: 18.3/20

cor_asym_atl2_rms vs Slug



Right In: 2034.159 ± 0.540 χ^2/NDF : 262960.5/15

Left Out: 2780.594 ± 1.369 χ^2/NDF : 5122.4/2

Right Out: 2021.566 ± 0.535 χ^2/NDF : 390333.0/18

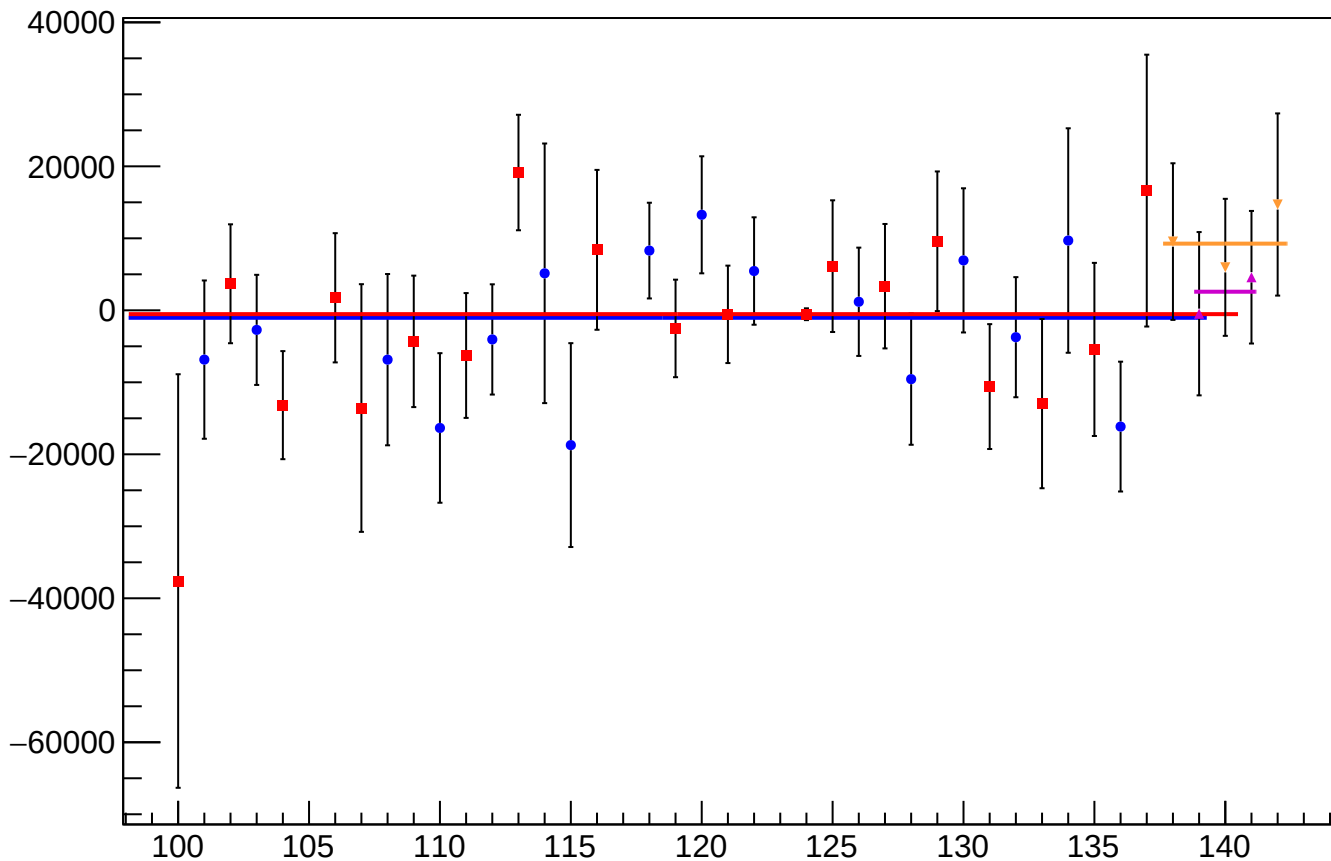
Left In: 2753.847 ± 1.481 χ^2/NDF : 1540.5/1

+ sign 2134.790 ± 0.503 χ^2/NDF : 525218.3/18

All: 2120.396 ± 0.356 χ^2/NDF : 1134987.9/39

- sign 2105.992 ± 0.503 χ^2/NDF : 608129.5/20

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942 ± 2276.180 χ^2/NDF : 15.4/15

Left Out: 9261.804 ± 6233.135 χ^2/NDF : 0.3/2

Right Out: -530.662 ± 767.947 χ^2/NDF : 18.0/18

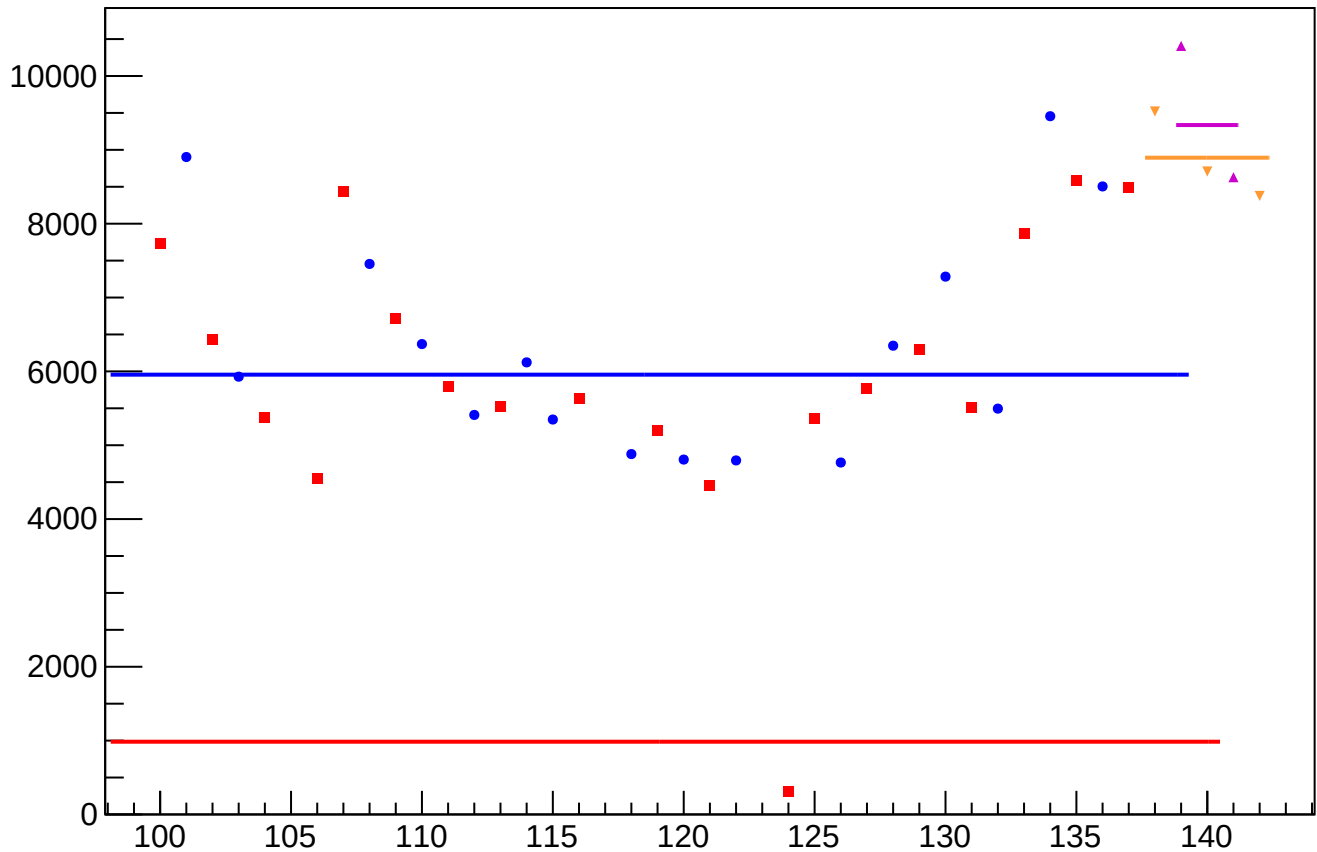
Left In: 2582.170 ± 7148.895 χ^2/NDF : 0.1/1

+ sign 173.944 ± 2138.081 χ^2/NDF : 18.1/18

All: -419.470 ± 719.076 χ^2/NDF : 36.5/39

- sign -495.151 ± 763.554 χ^2/NDF : 18.3/20

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF : 689141.5/15

Left Out: 8893.663+/-4.407 χ^2/NDF : 10741.2/2

Right Out: 985.045+/-0.543 χ^2/NDF : 11412843.1/18

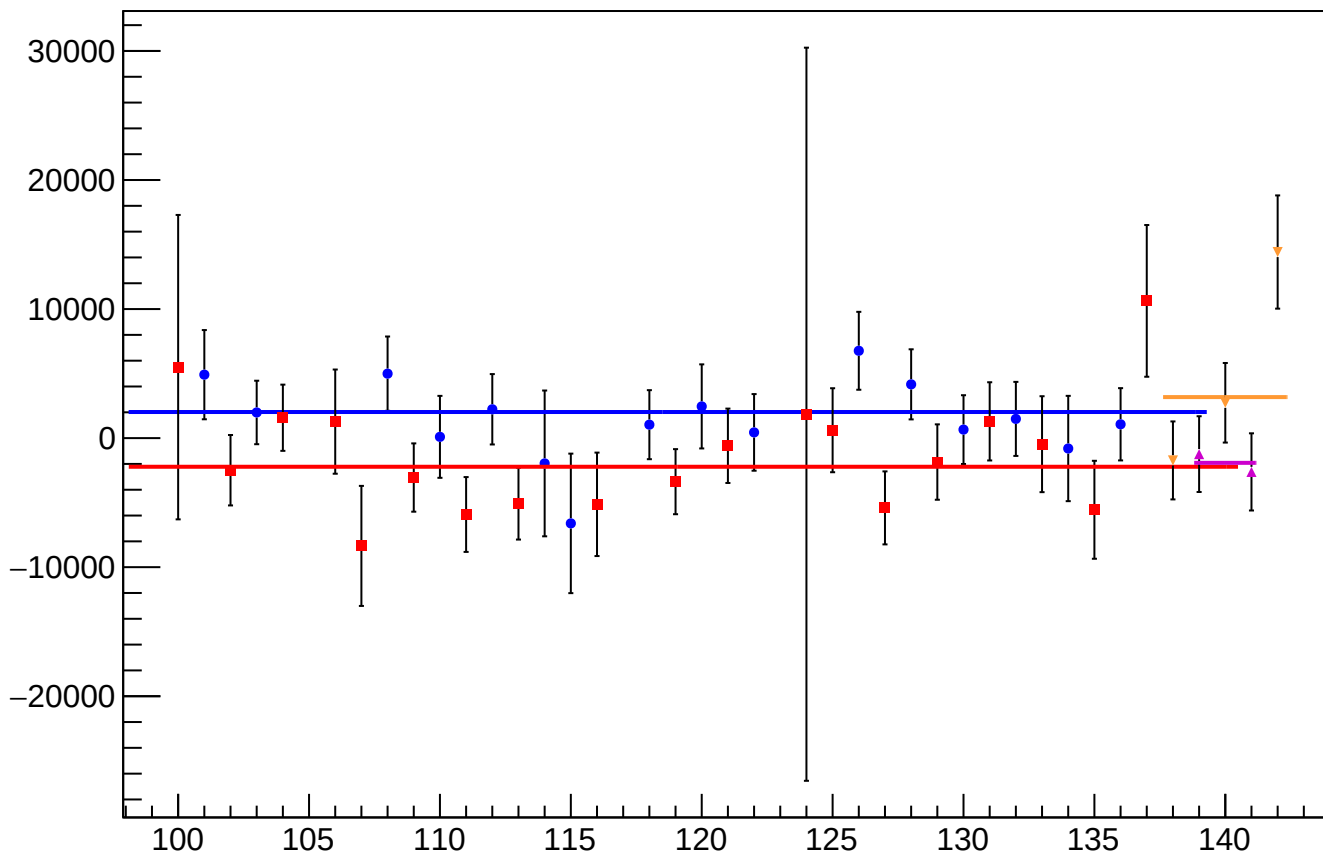
Left In: 9335.859+/-5.055 χ^2/NDF : 29626.4/1

+ sign 6301.332+/-1.512 χ^2/NDF : 1091952.0/18

All: 1670.859+/-0.508 χ^2/NDF : 25809326.7/3

- sign 1080.309+/-0.540 χ^2/NDF : 14140376.6/20

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: 3178.593 $\pm$ 1936.334 χ^2 /NDF:9.2/2

Right Out: -2219.099 $\pm$ 756.147 χ^2 /NDF: 18.1/18

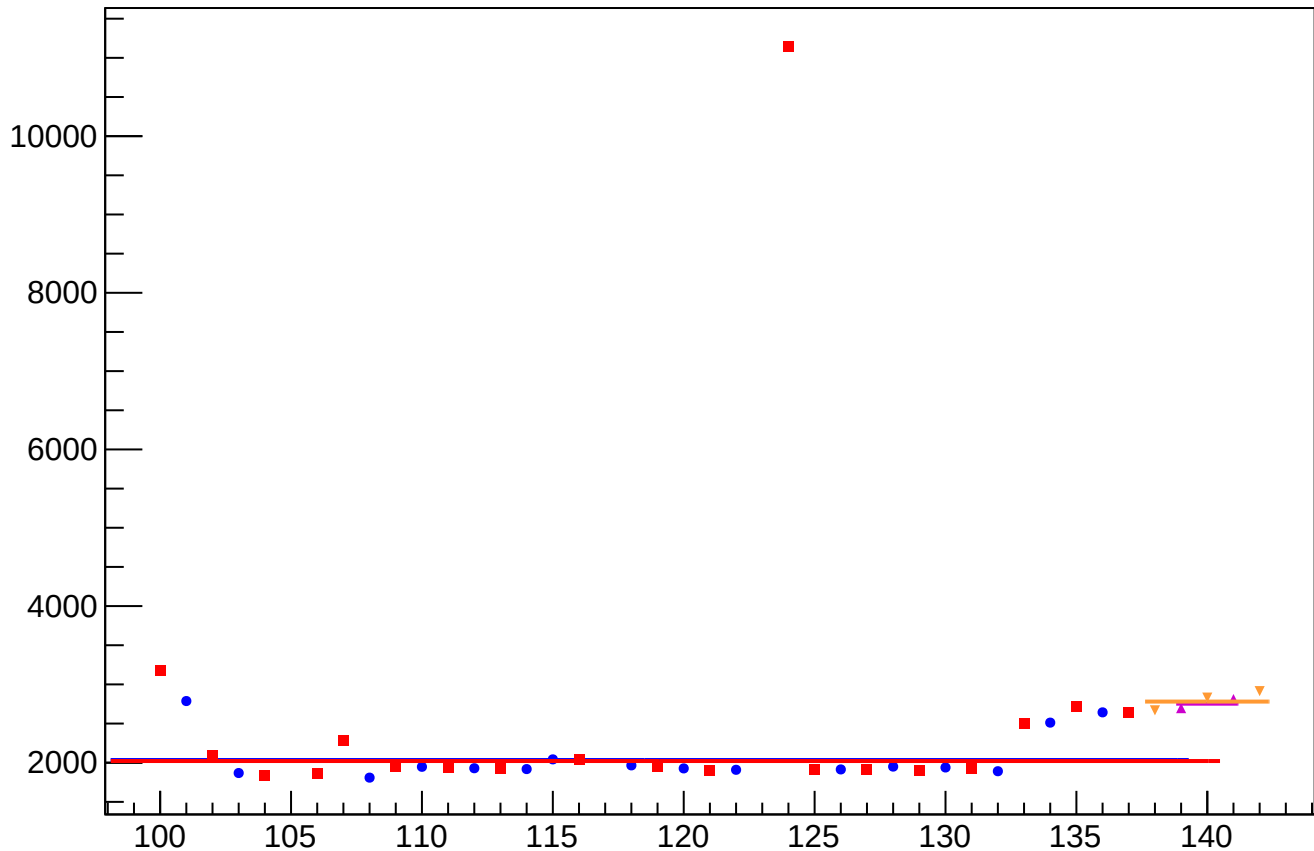
Left In: -1916.097 $\pm$ 2094.636 χ^2 /NDF:0.1/1

+ sign 2178.633 $\pm$ 710.969 χ^2 /NDF: 19.1/18

All: -1.983 $\pm$ 502.821 χ^2 /NDF: 56.2/39

- sign -2184.166 $\pm$ 711.224 χ^2 /NDF: 18.3/20

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF : 262960.5/15

Left Out: 2780.594+/-1.369 χ^2/NDF : 5122.4/2

Right Out: 2021.566+/-0.535 χ^2/NDF : 390333.0/18

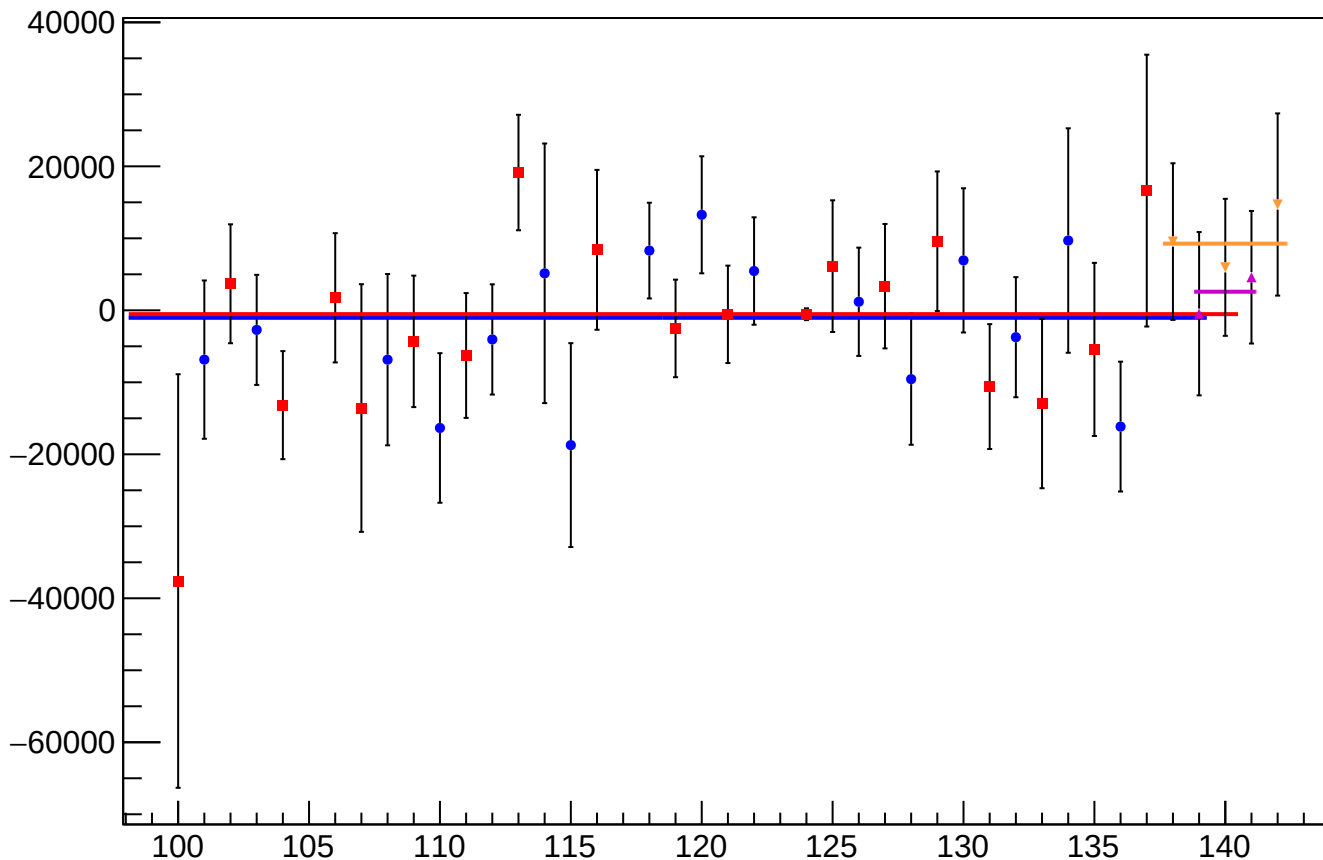
Left In: 2753.847+/-1.481 χ^2/NDF : 1540.5/1

+ sign 2134.790+/-0.503 χ^2/NDF : 525218.3/18

All: 2120.396+/-0.356 χ^2/NDF : 1134987.9/39

- sign 2105.992+/-0.503 χ^2/NDF : 608129.5/20

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942 ± 2276.180 χ^2/NDF : 15.4/15

Left Out: 9261.804 ± 6233.135 χ^2/NDF : 0.3/2

Right Out: -530.662 ± 767.947 χ^2/NDF : 18.0/18

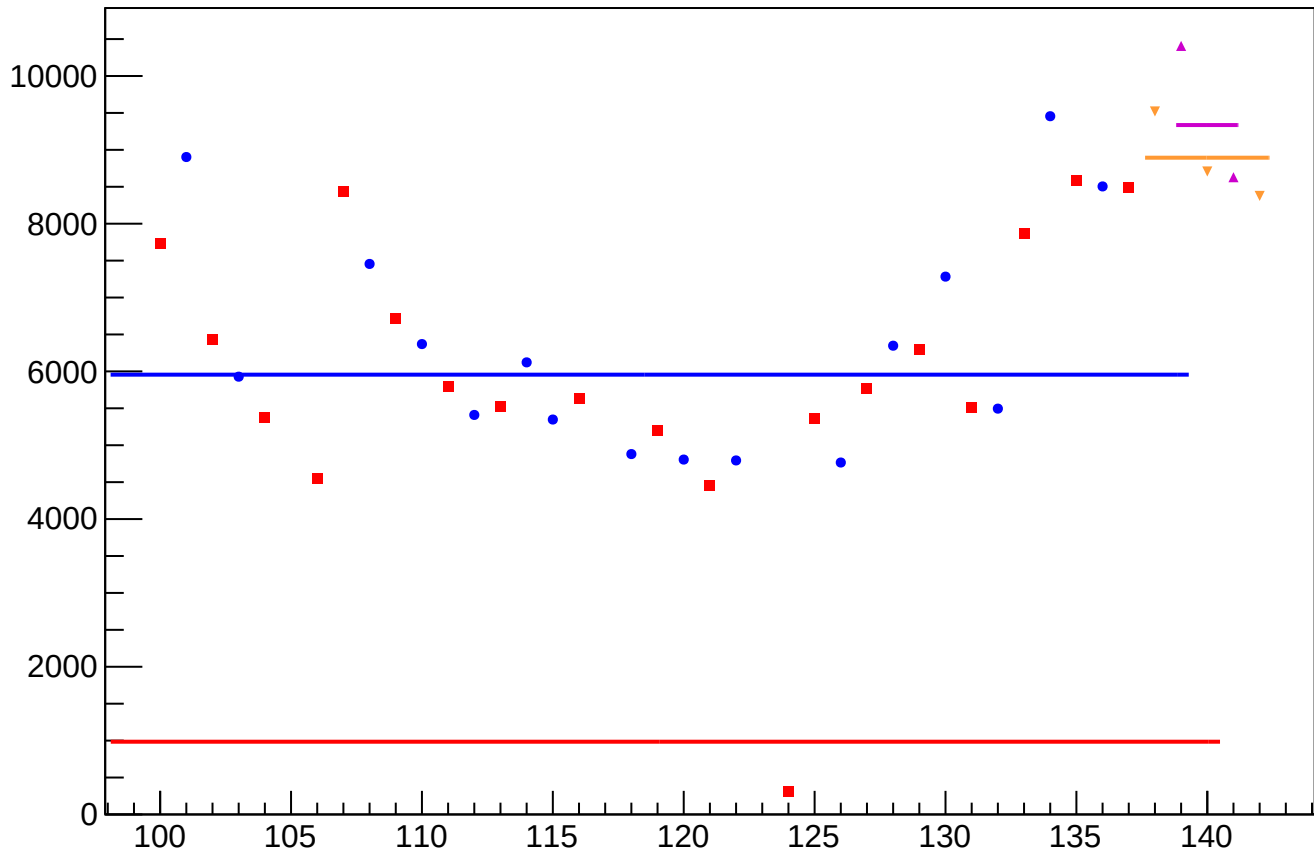
Left In: 2582.170 ± 7148.895 χ^2/NDF : 0.1/1

+ sign 173.944 ± 2138.081 χ^2/NDF : 18.1/18

All: -419.470 ± 719.076 χ^2/NDF : 36.5/39

- sign -495.151 ± 763.554 χ^2/NDF : 18.3/20

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638 ± 1.610 $\chi^2/\text{NDF}: 689141.5/15$

Left Out: 8893.663 ± 4.407 $\chi^2/\text{NDF}: 10741.2/2$

Right Out: 985.045 ± 0.543 $\chi^2/\text{NDF}: 11412843.1/18$

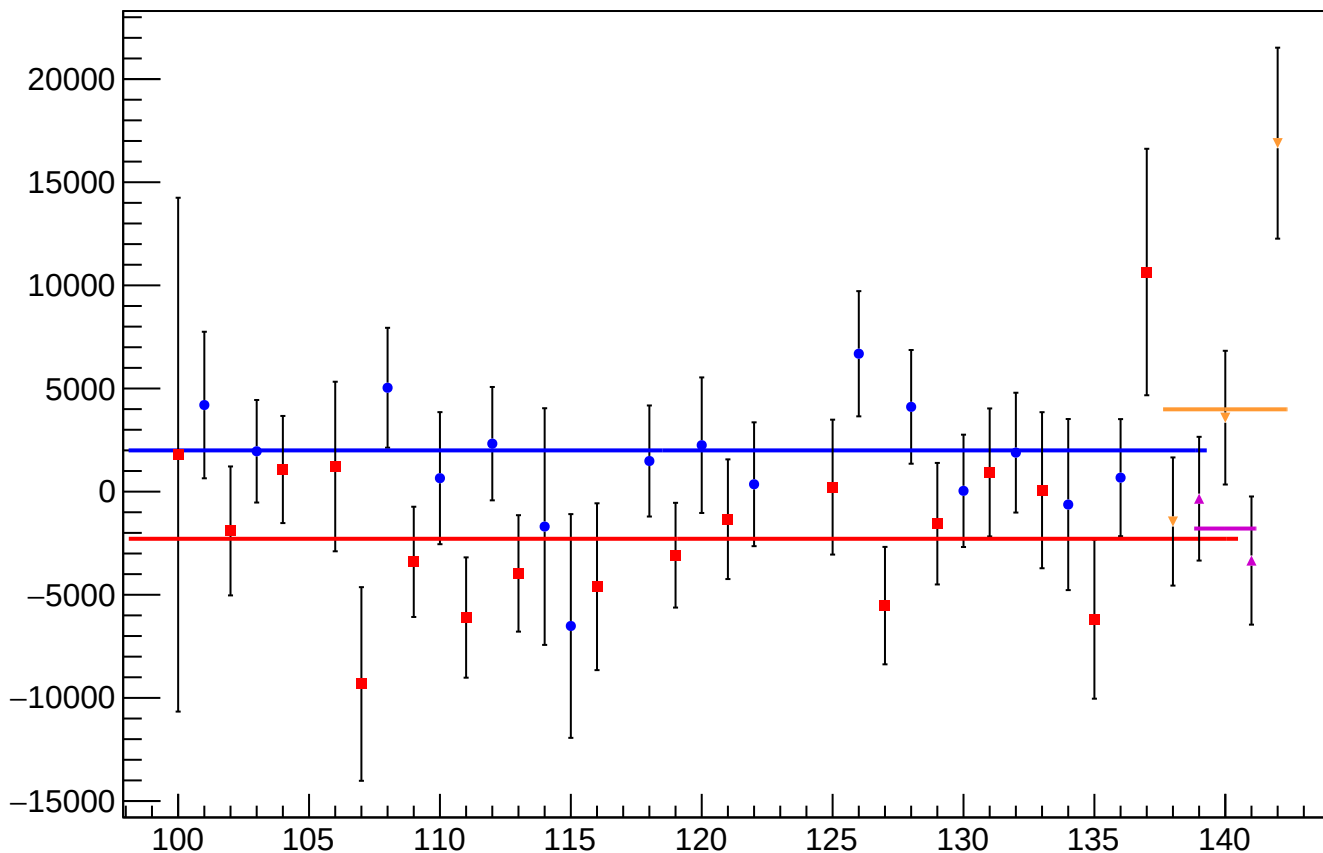
Left In: 9335.859 ± 5.055 $\chi^2/\text{NDF}: 29626.4/1$

+ sign 6301.332 ± 1.512 $\chi^2/\text{NDF}: 1091952.0/18$

All: 1670.859 ± 0.508 $\chi^2/\text{NDF}: 25809326.7/3$

- sign 1080.309 ± 0.540 $\chi^2/\text{NDF}: 14140376.6/20$

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF : 9.0/15

Left Out: 3990.272+/-2018.507 χ^2/NDF :10.8/2

Right Out: -2285.899+/-771.299 χ^2/NDF : 16.7/17

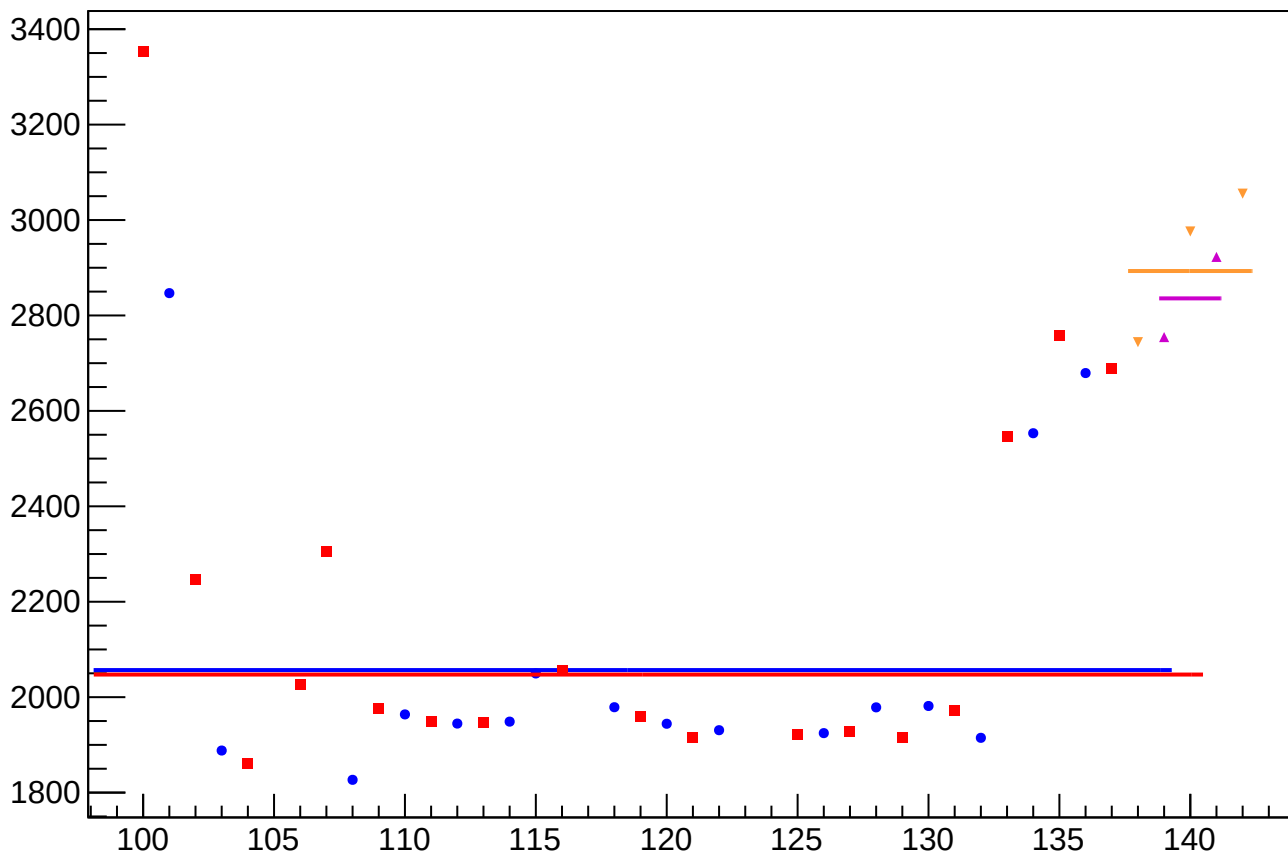
Left In: -1789.663+/-2158.027 χ^2/NDF :0.5/1

+ sign 2254.176+/-722.315 χ^2/NDF : 20.7/18

All: 24.588+/-512.158 χ^2/NDF : 57.0/38

- sign -2229.690+/-726.303 χ^2/NDF : 17.2/19

dit_asym_atl2_rms vs Slug



Right In: 2056.796 $\pm$ 0.547 χ^2 /NDF: 270454.5/15

Left Out: 2893.150 $\pm$ 1.427 χ^2 /NDF: 8369.4/2

Right Out: 2047.400 $\pm$ 0.545 χ^2 /NDF: 196523.0/17

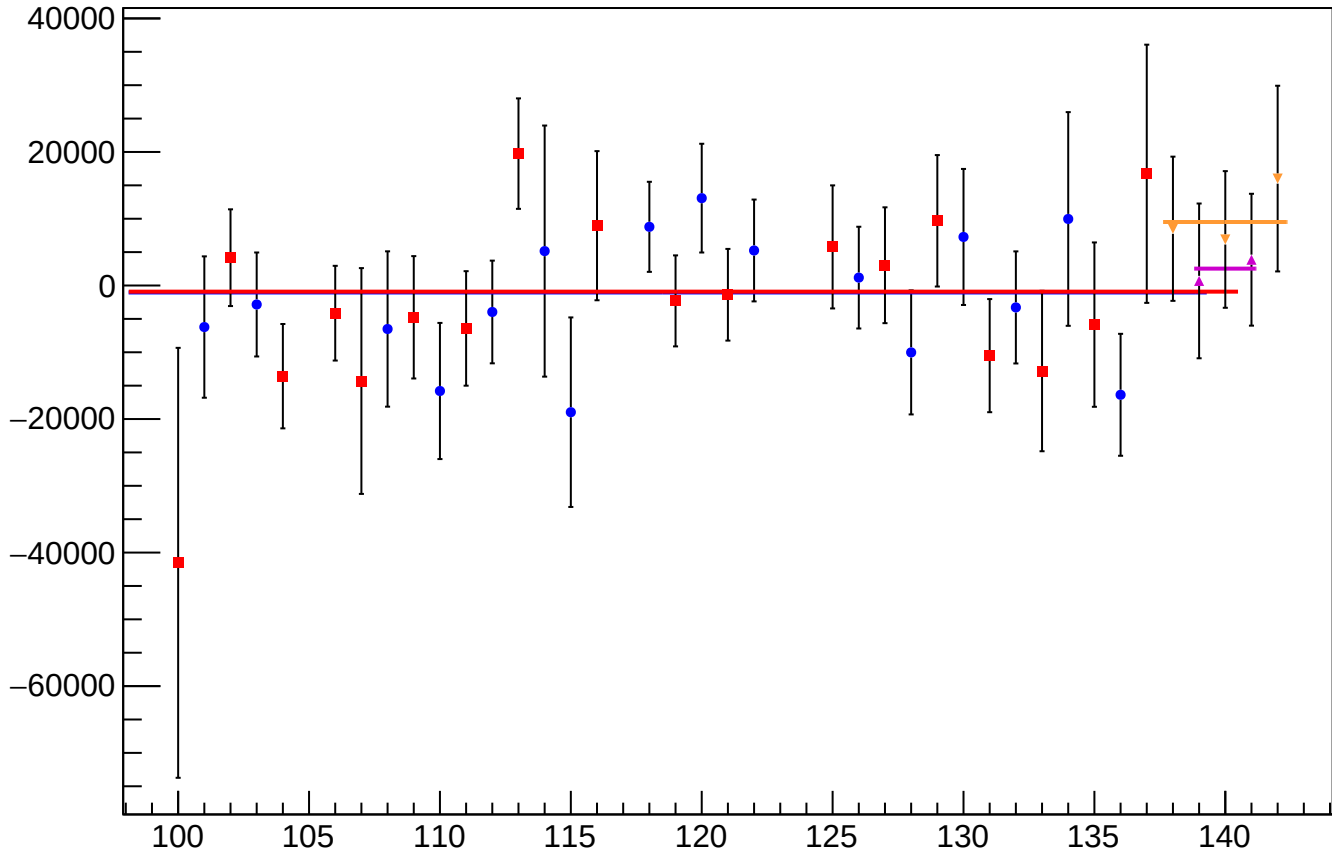
Left In: 2835.791 $\pm$ 1.526 χ^2 /NDF: 3028.7/1

+ sign 2163.894 $\pm$ 0.511 χ^2 /NDF: 578215.6/18

All: 2150.236 $\pm$ 0.362 χ^2 /NDF: 1015980.0/38

- sign 2136.464 $\pm$ 0.513 χ^2 /NDF: 436328.2/19

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515 ± 2294.607 χ^2/NDF : 15.3/15

Left Out: 9511.069 ± 6551.819 χ^2/NDF : 0.3/2

Right Out: -919.663 ± 2150.895 χ^2/NDF : 18.4/17

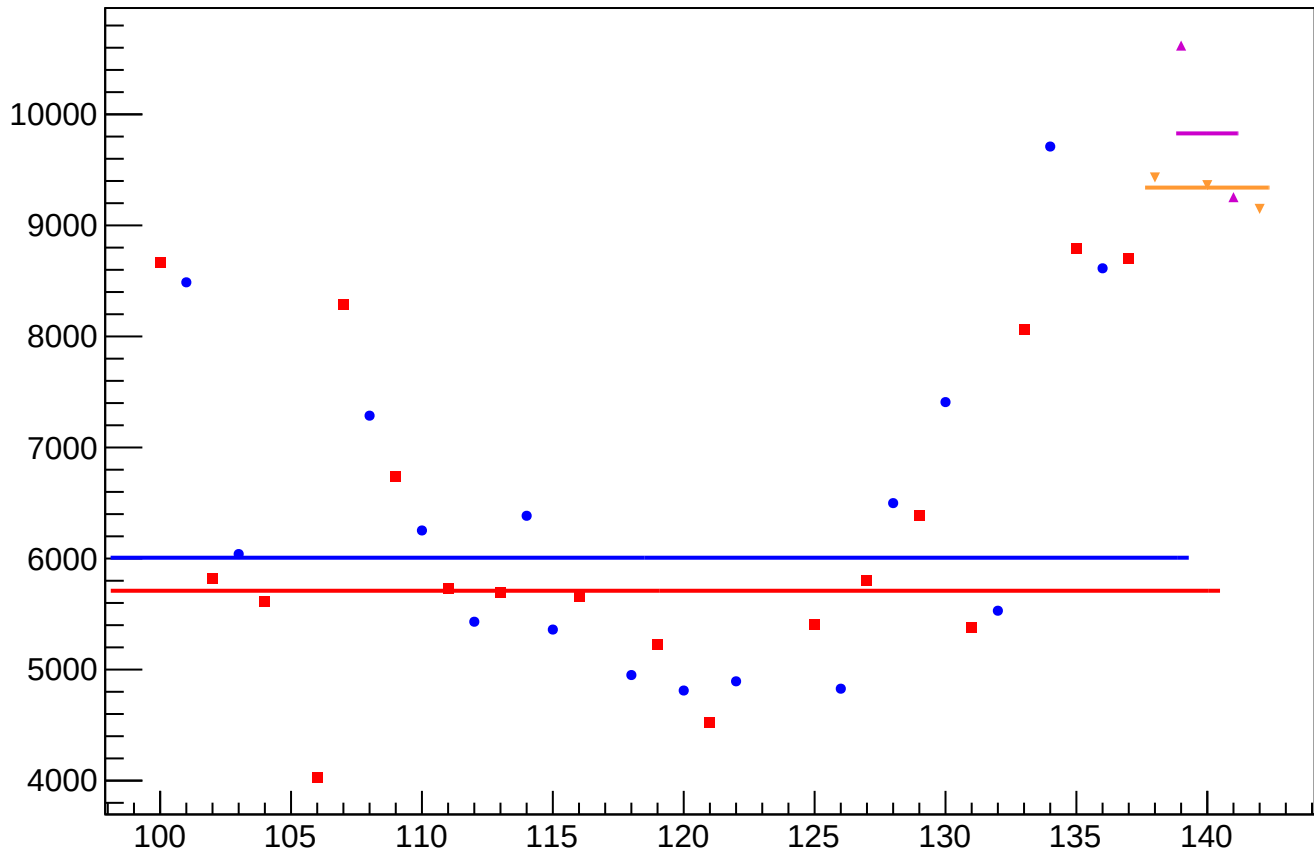
Left In: 2528.386 ± 7516.215 χ^2/NDF : 0.0/1

+ sign 110.528 ± 2165.632 χ^2/NDF : 17.9/18

All: -291.820 ± 1495.579 χ^2/NDF : 36.6/38

- sign -658.669 ± 2067.889 χ^2/NDF : 18.6/19

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425 $\pm$ 1.623 χ^2 /NDF: 653996.7/15

Left Out: 9340.500 $\pm$ 4.633 χ^2 /NDF:532.3/2

Right Out: 5709.903 $\pm$ 1.521 χ^2 /NDF: 535926.2/17

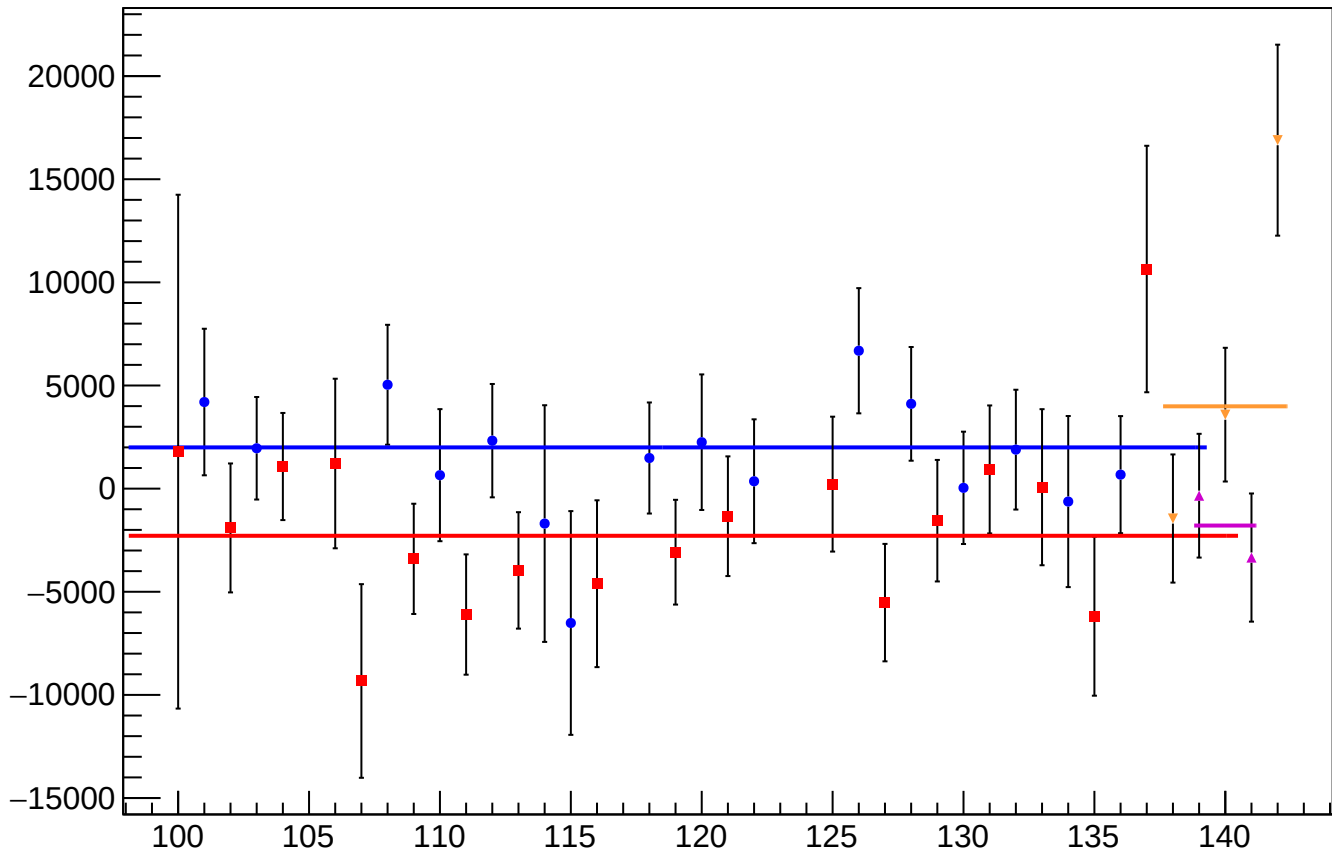
Left In: 9828.482 $\pm$ 5.315 χ^2 /NDF:16073.6/1

+ sign 6371.584 $\pm$ 1.531 χ^2 /NDF: 1115580.4/18

All: 6188.542 $\pm$ 1.058 χ^2 /NDF: 2249958.2/38

- sign 6021.650 $\pm$ 1.462 χ^2 /NDF: 1107063.2/19

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF : 9.0/15

Left Out: 3990.294+/-2018.509 χ^2/NDF :10.8/2

Right Out: -2285.903+/-771.299 χ^2/NDF : 16.7/17

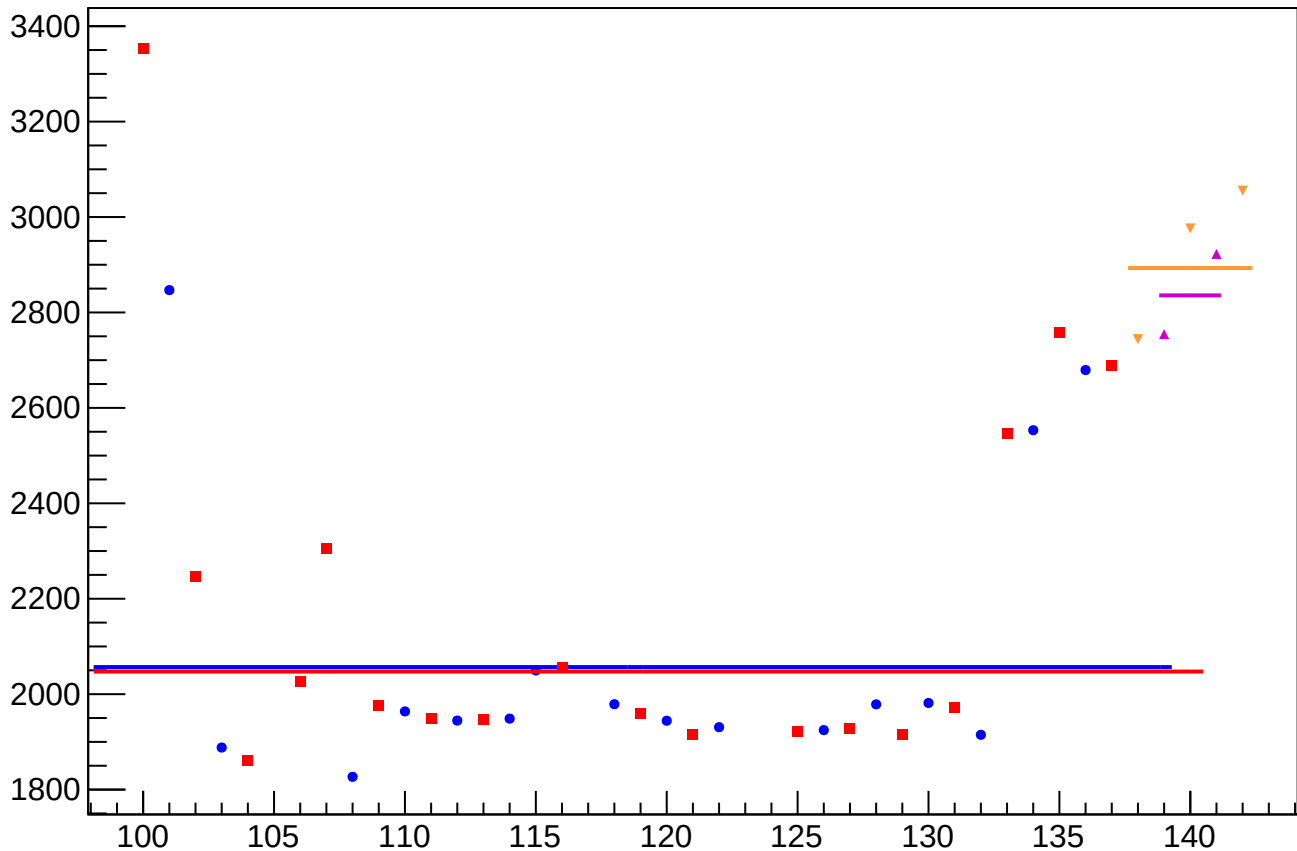
Left In: -1789.659+/-2158.029 χ^2/NDF :0.5/1

+ sign 2254.183+/-722.315 χ^2/NDF : 20.7/18

All: 24.590+/-512.158 χ^2/NDF : 57.0/38

- sign -2229.693+/-726.303 χ^2/NDF : 17.2/19

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF : 270454.5/15

Left Out: 2893.152+/-1.427 χ^2/NDF : 8369.7/2

Right Out: 2047.400+/-0.545 χ^2/NDF : 196523.3/17

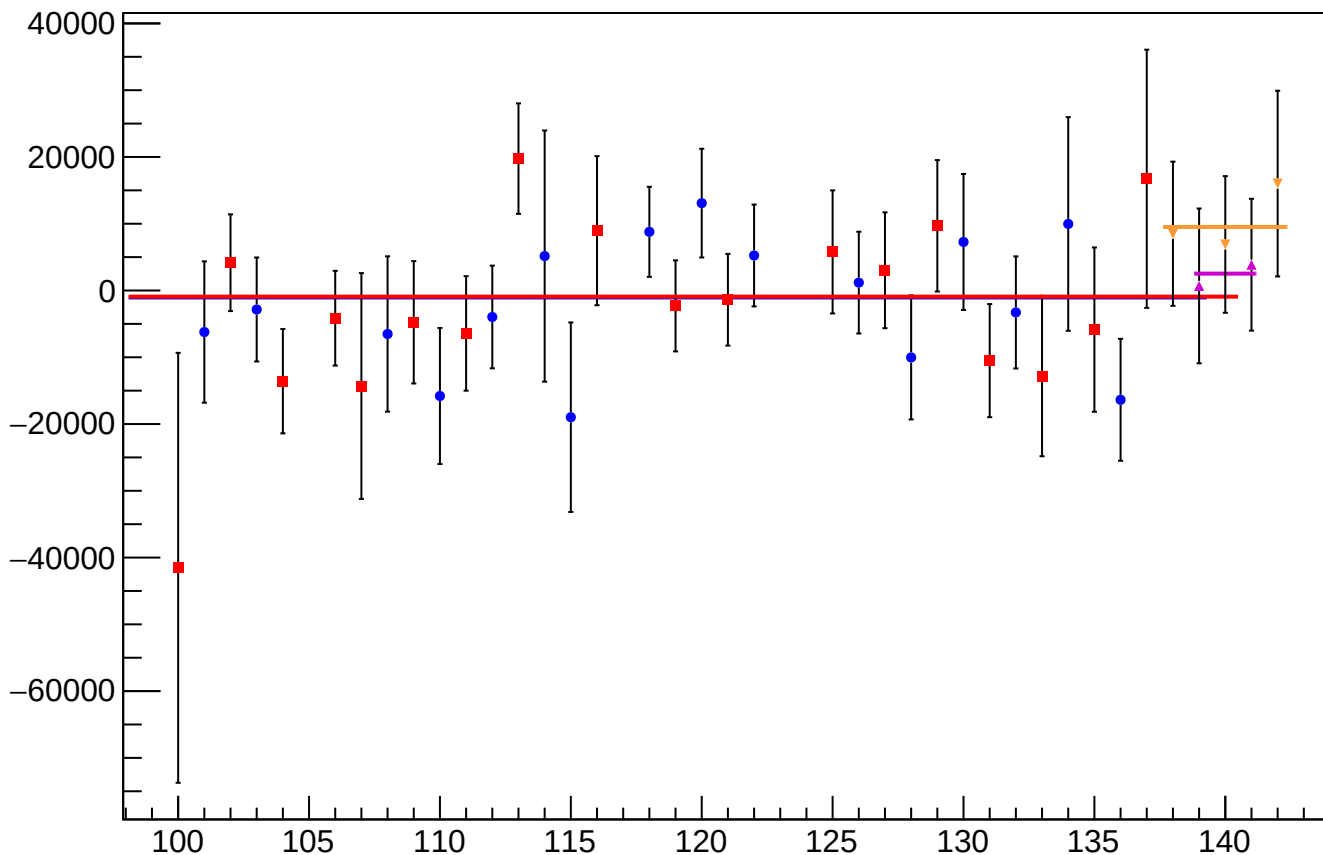
Left In: 2835.794+/-1.526 χ^2/NDF : 3028.7/1

+ sign 2163.894+/-0.511 χ^2/NDF : 578217.0/18

All: 2150.236+/-0.362 χ^2/NDF : 1015983.0/38

- sign 2136.464+/-0.513 χ^2/NDF : 436329.9/19

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503 ± 2294.600 χ^2/NDF : 15.3/15

Left Out: 9511.109 ± 6551.837 χ^2/NDF : 0.3/2

Right Out: -919.667 ± 2150.889 χ^2/NDF : 18.4/17

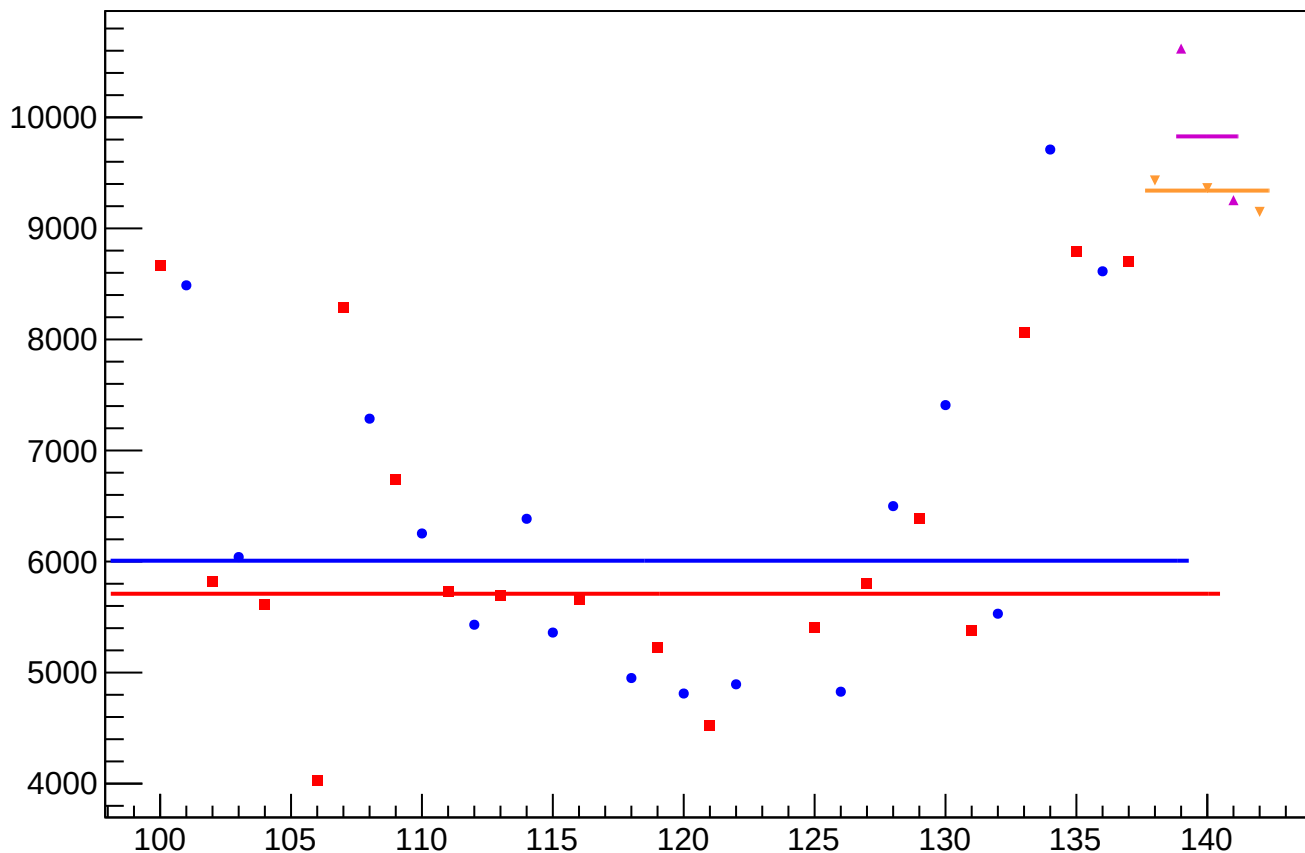
Left In: 2528.389 ± 7516.233 χ^2/NDF : 0.0/1

+ sign 110.532 ± 2165.627 χ^2/NDF : 17.9/18

All: -291.822 ± 1495.576 χ^2/NDF : 36.6/38

- sign -658.676 ± 2067.884 χ^2/NDF : 18.6/19

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF : 654004.9/15

Left Out: 9340.526+/-4.633 χ^2/NDF : 532.3/2

Right Out: 5709.885+/-1.521 χ^2/NDF : 535929.9/17

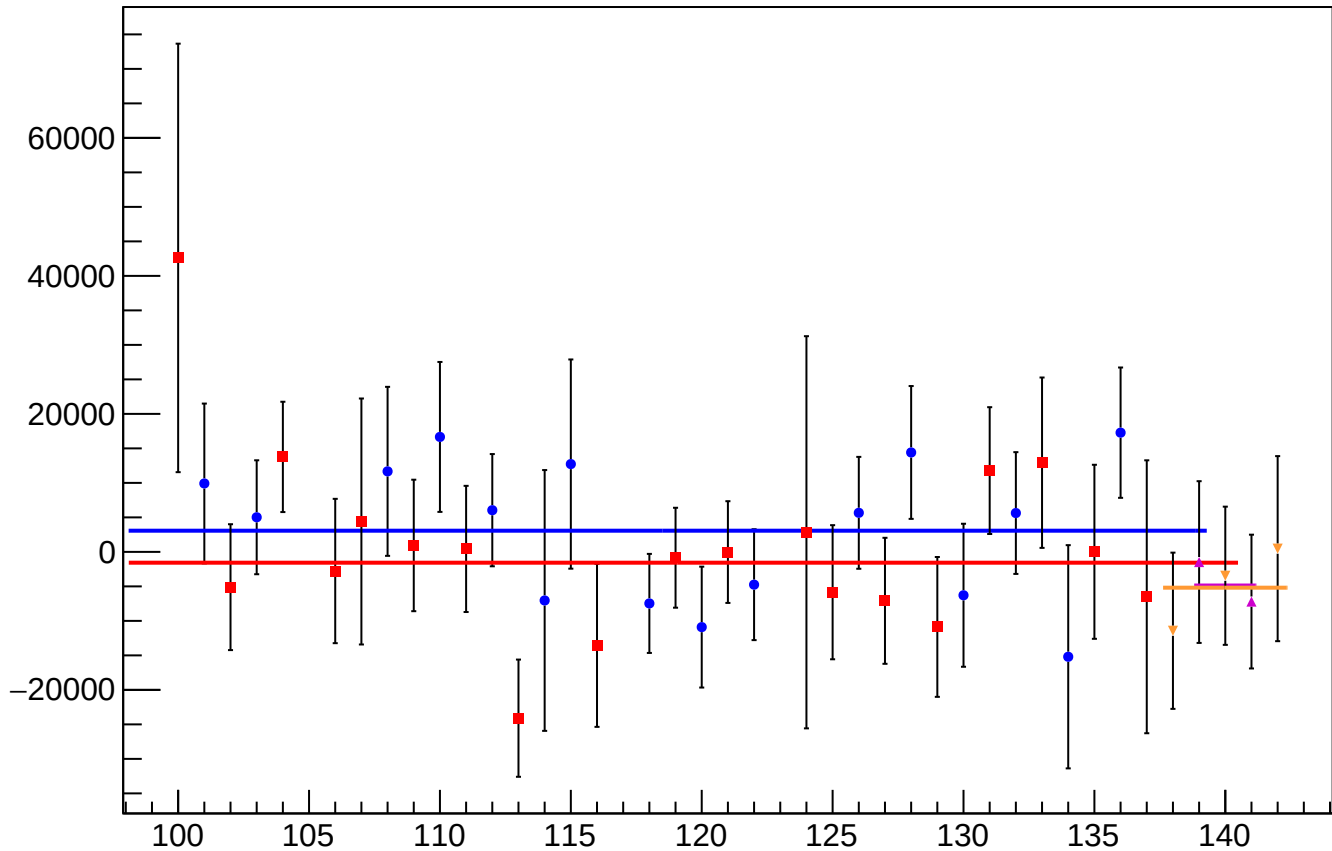
Left In: 9828.504+/-5.315 χ^2/NDF : 16074.1/1

+ sign 6371.565+/-1.531 χ^2/NDF : 1115599.3/18

All: 6188.524+/-1.058 χ^2/NDF : 2249989.7/38

- sign 6021.633+/-1.462 χ^2/NDF : 1107075.9/19

asym_atl2_mean vs Slug



Right In: 3070.293 $\pm$ 2420.721 χ^2 /NDF: 14.9/15

Left Out: -5188.594 $\pm$ 6546.420 χ^2 /NDF: 0.5/2

Right Out: -1567.088 $\pm$ 2335.884 χ^2 /NDF: 19.2/18

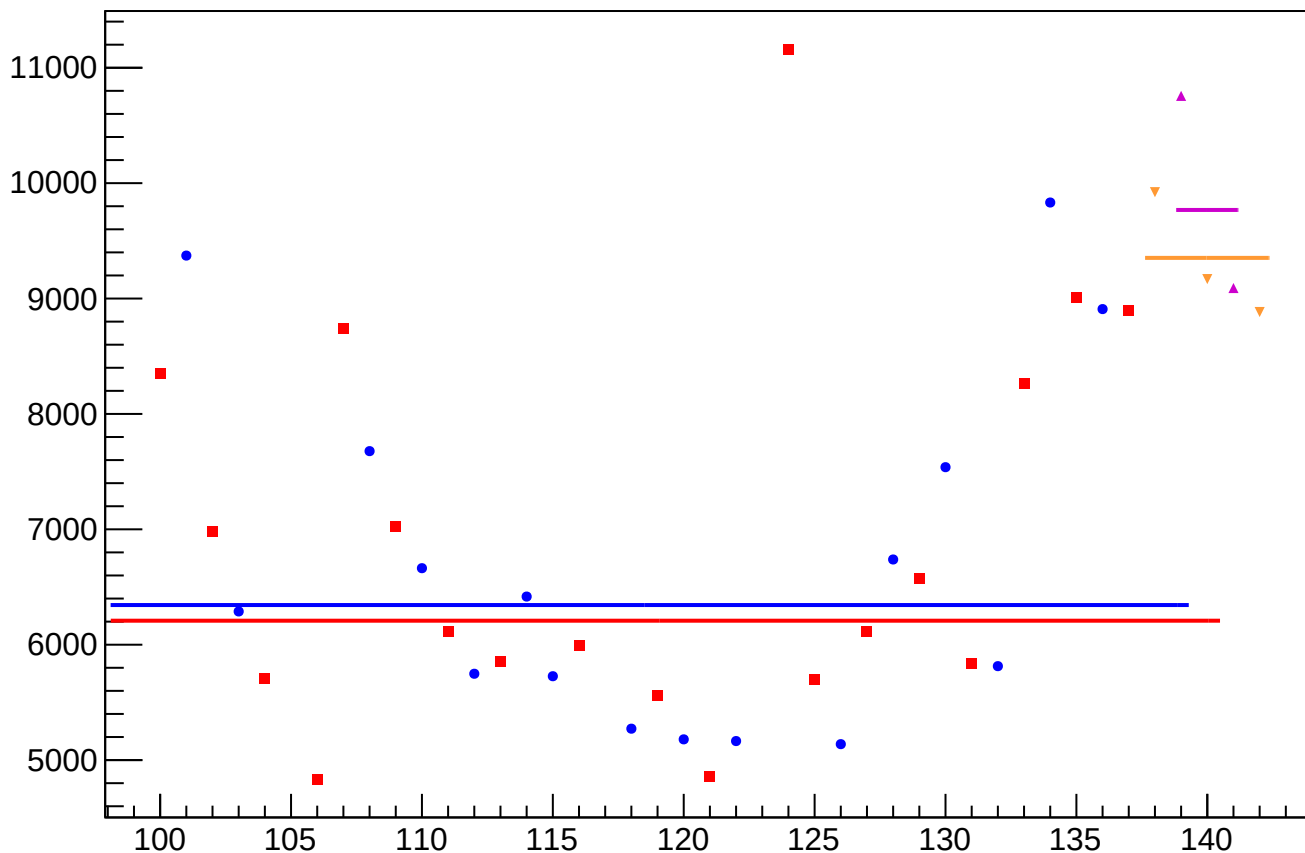
Left In: -4874.816 $\pm$ 7470.180 χ^2 /NDF: 0.1/1

+ sign 2076.848 $\pm$ 2270.466 χ^2 /NDF: 16.8/18

All: 71.659 $\pm$ 1590.755 χ^2 /NDF: 37.8/39

- sign -1861.703 $\pm$ 2229.431 χ^2 /NDF: 19.5/20

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF : 621240.2/15

Left Out: 9352.398+/-4.629 χ^2/NDF : 8180.1/2

Right Out: 6208.099+/-1.652 χ^2/NDF : 471840.9/18

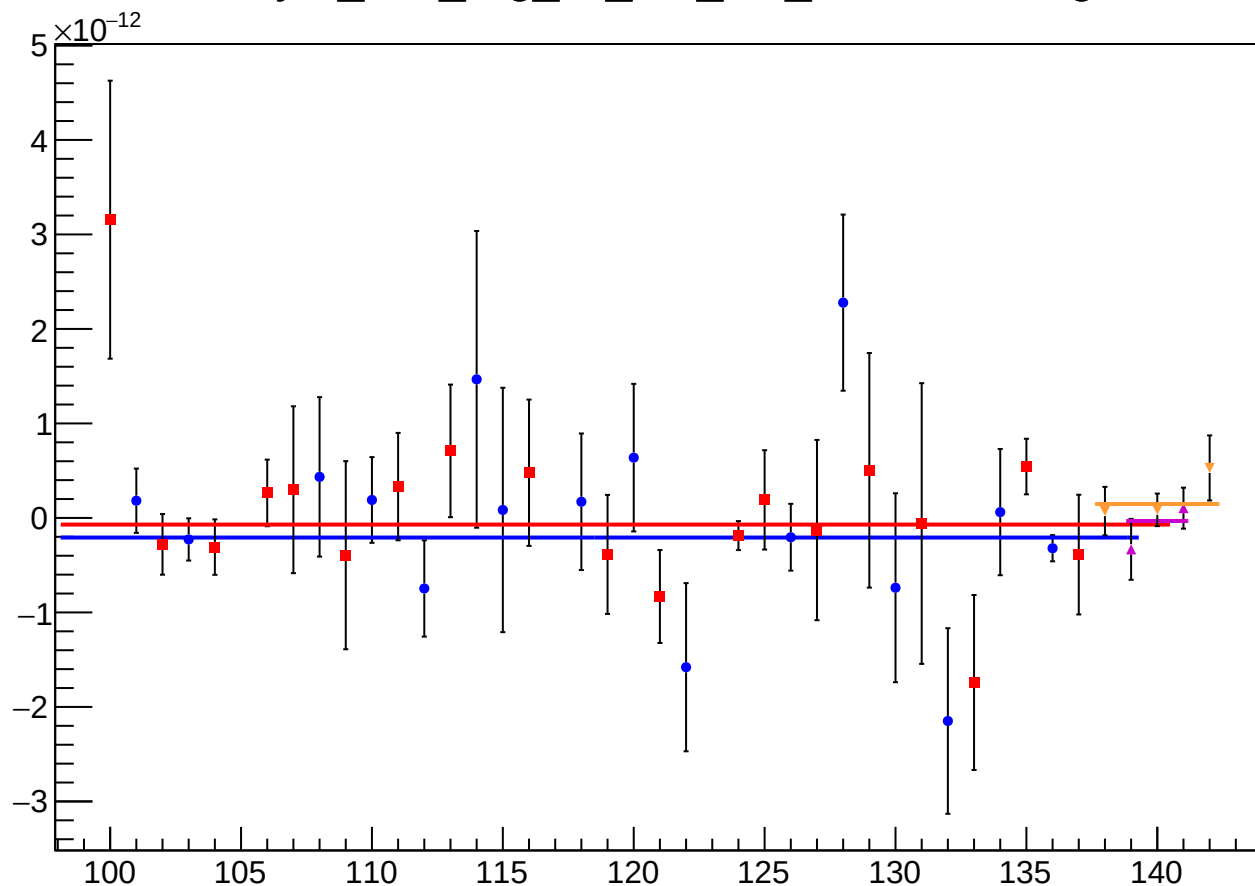
Left In: 9767.752+/-5.282 χ^2/NDF : 23974.6/1

+ sign 6705.694+/-1.605 χ^2/NDF : 1001034.5/18

All: 6613.777+/-1.125 χ^2/NDF : 1916972.5/39

- sign 6525.152+/-1.576 χ^2/NDF : 909499.6/20

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 : 1.4/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.9/18

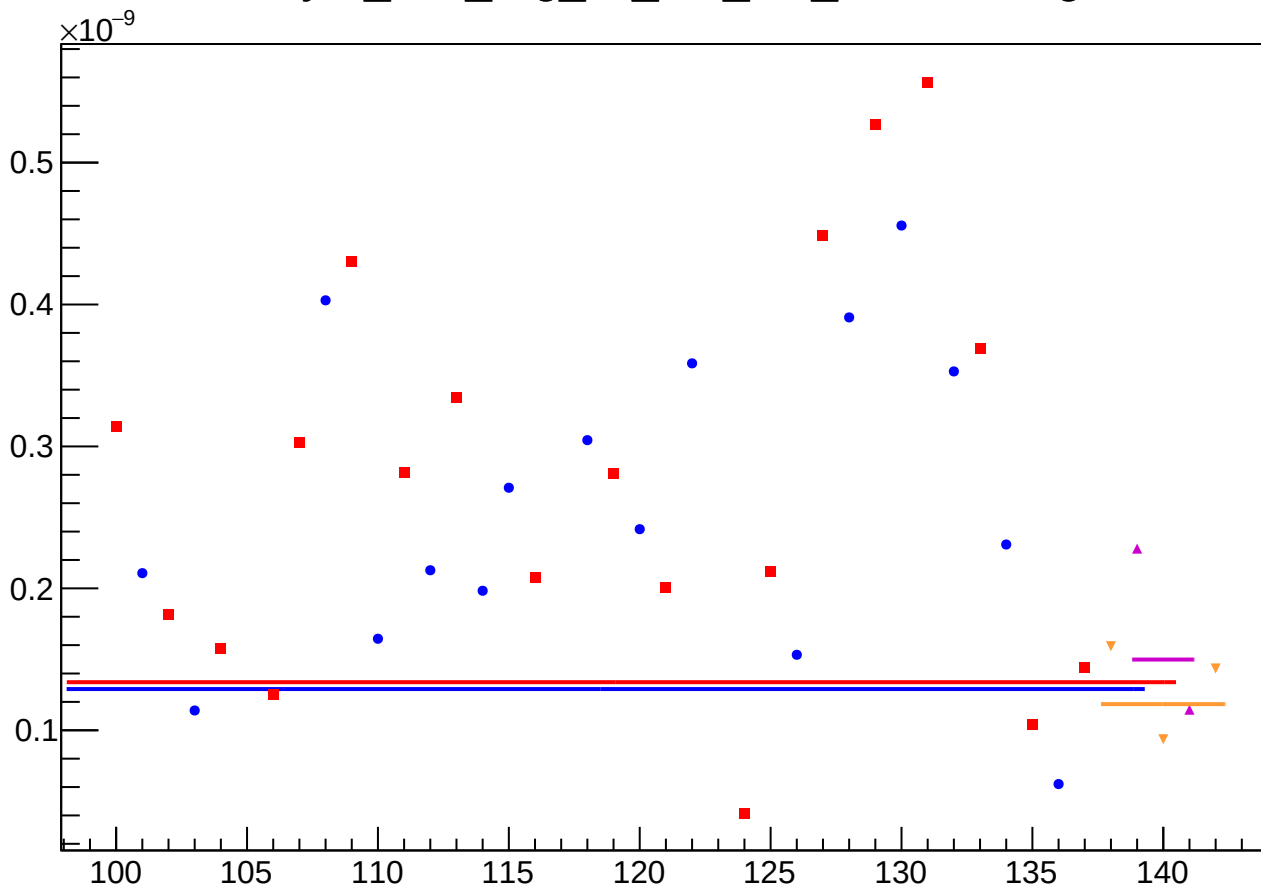
Left In: -0.000 ± 0.000 χ^2/NDF : 1.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 27.1/18

All: -0.000 ± 0.000 χ^2/NDF : 49.3/39

- sign -0.000 ± 0.000 χ^2/NDF : 22.2/20

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 :102606.6/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2304489.5/18

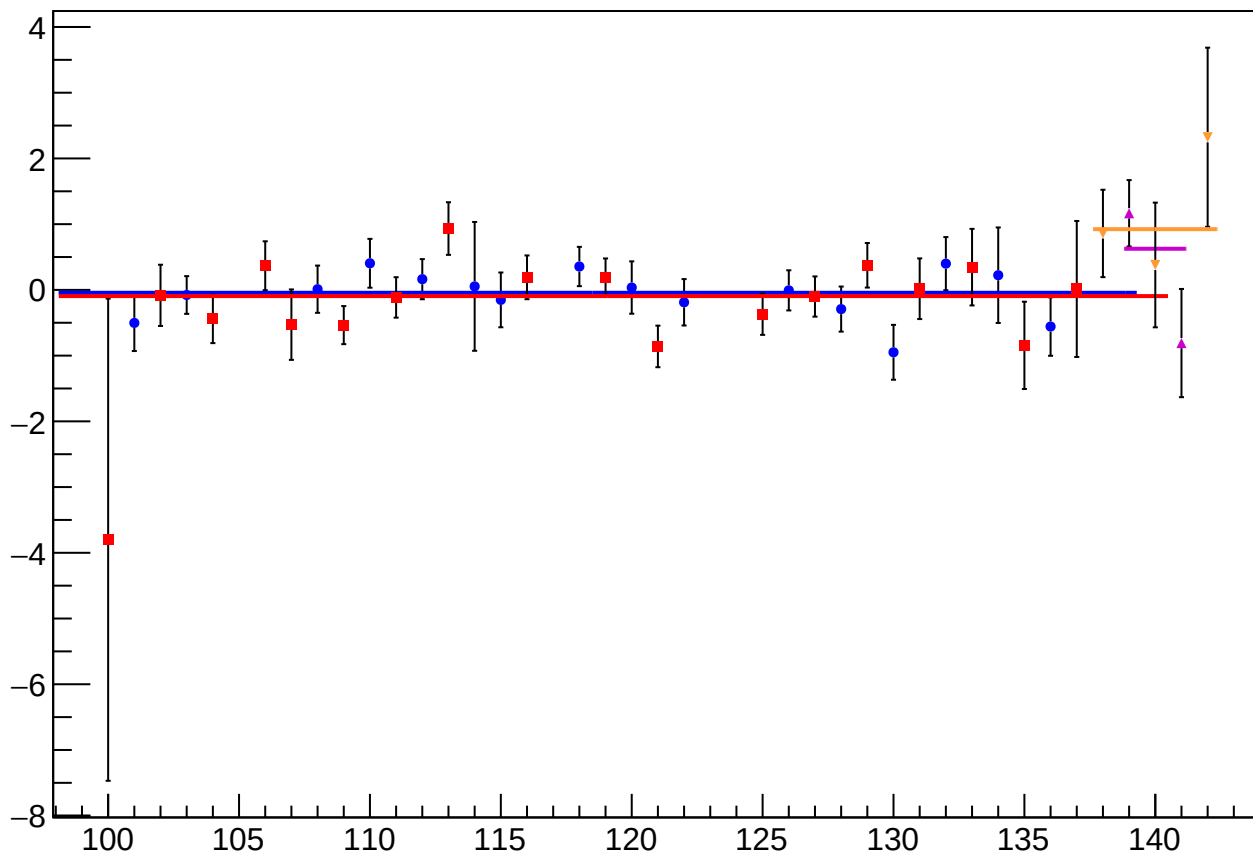
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :170750.0/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 1831459.4/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 4340930.4/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2487495.6/20

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 χ^2/NDF : 13.1/15

Left Out: 0.924 ± 0.506 χ^2/NDF : 1.4/2

Right Out: -0.094 ± 0.090 χ^2/NDF : 25.3/17

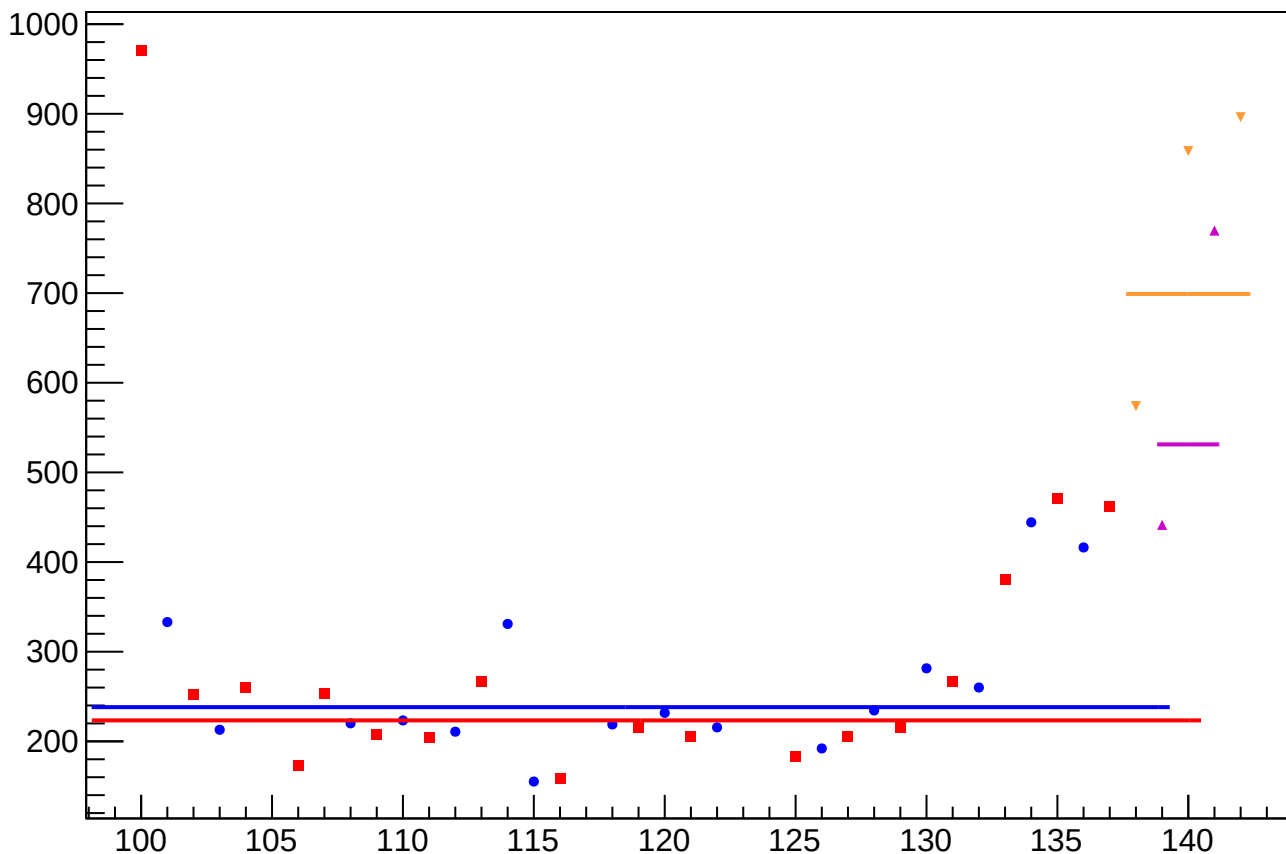
Left In: 0.626 ± 0.430 χ^2/NDF : 4.2/1

+ sign -0.012 ± 0.092 χ^2/NDF : 18.0/18

All: -0.039 ± 0.064 χ^2/NDF : 50.3/38

- sign -0.064 ± 0.088 χ^2/NDF : 32.1/19

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165 $\pm$ 0.066 χ^2 /NDF: 807205.2/15

Left Out: 699.042 $\pm$ 0.357 χ^2 /NDF:169121.0/2

Right Out: 223.388 $\pm$ 0.064 χ^2 /NDF: 862425.5/17

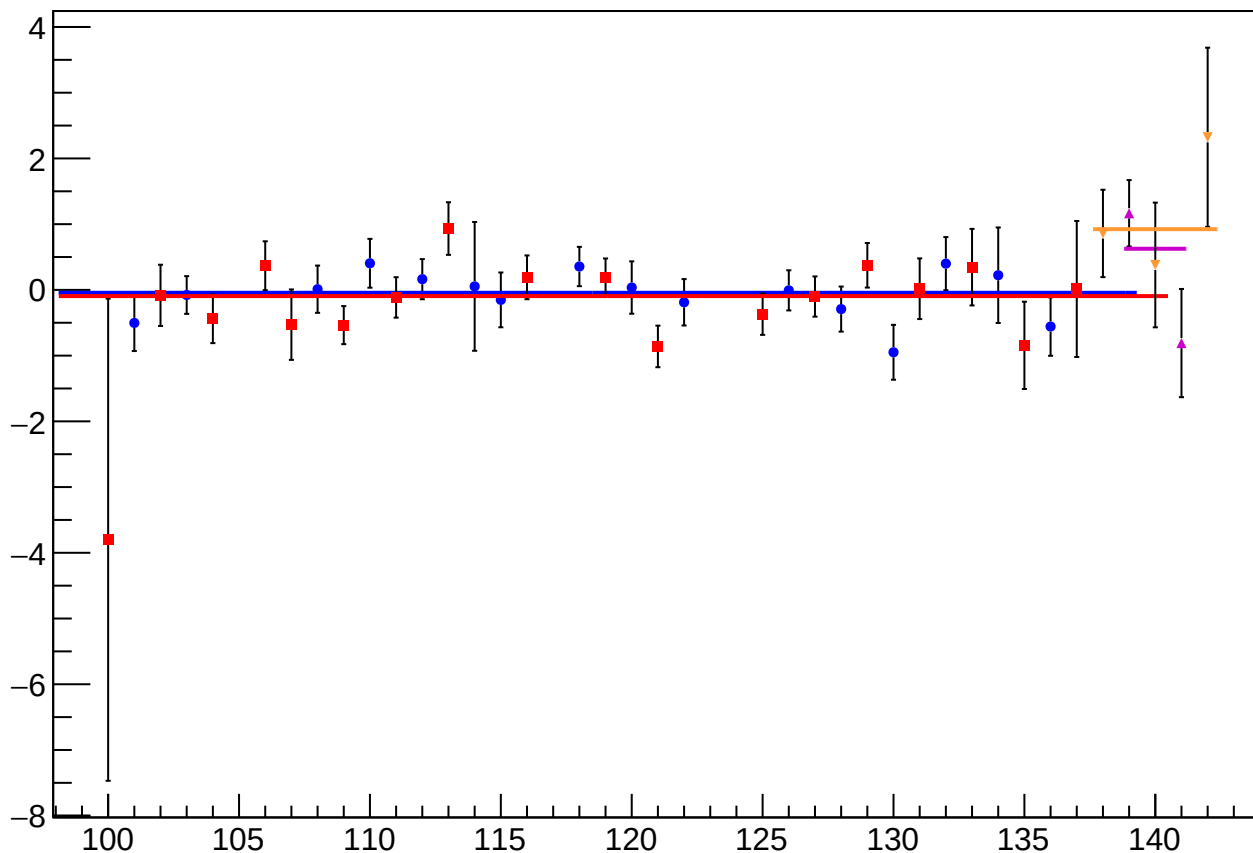
Left In: 531.227 $\pm$ 0.304 χ^2 /NDF:231036.6/1

+ sign 253.503 $\pm$ 0.065 χ^2 /NDF: 2583272.4/18

All: 244.507 $\pm$ 0.045 χ^2 /NDF: 4693234.0/38

- sign 236.292 $\pm$ 0.062 χ^2 /NDF: 2073552.1/19

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 χ^2/NDF : 13.1/15

Left Out: 0.924 ± 0.506 χ^2/NDF : 1.4/2

Right Out: -0.094 ± 0.090 χ^2/NDF : 25.3/17

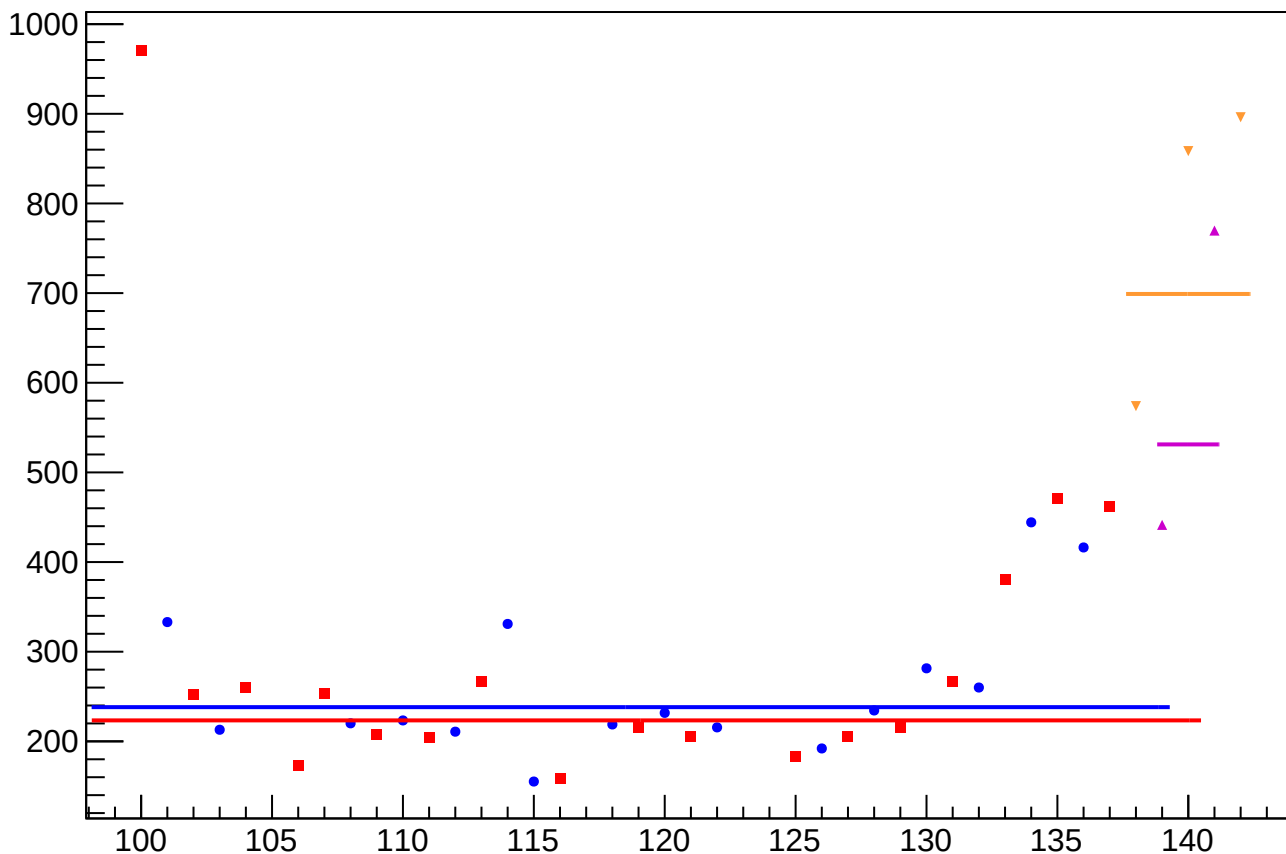
Left In: 0.626 ± 0.430 χ^2/NDF : 4.2/1

+ sign -0.012 ± 0.092 χ^2/NDF : 18.0/18

All: -0.039 ± 0.064 χ^2/NDF : 50.3/38

- sign -0.064 ± 0.088 χ^2/NDF : 32.1/19

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: 699.042 $\pm$ 0.357 χ^2 /NDF:169121.0/2

Right Out: 223.388 $\pm$ 0.064 χ^2 /NDF: 862425.5/17

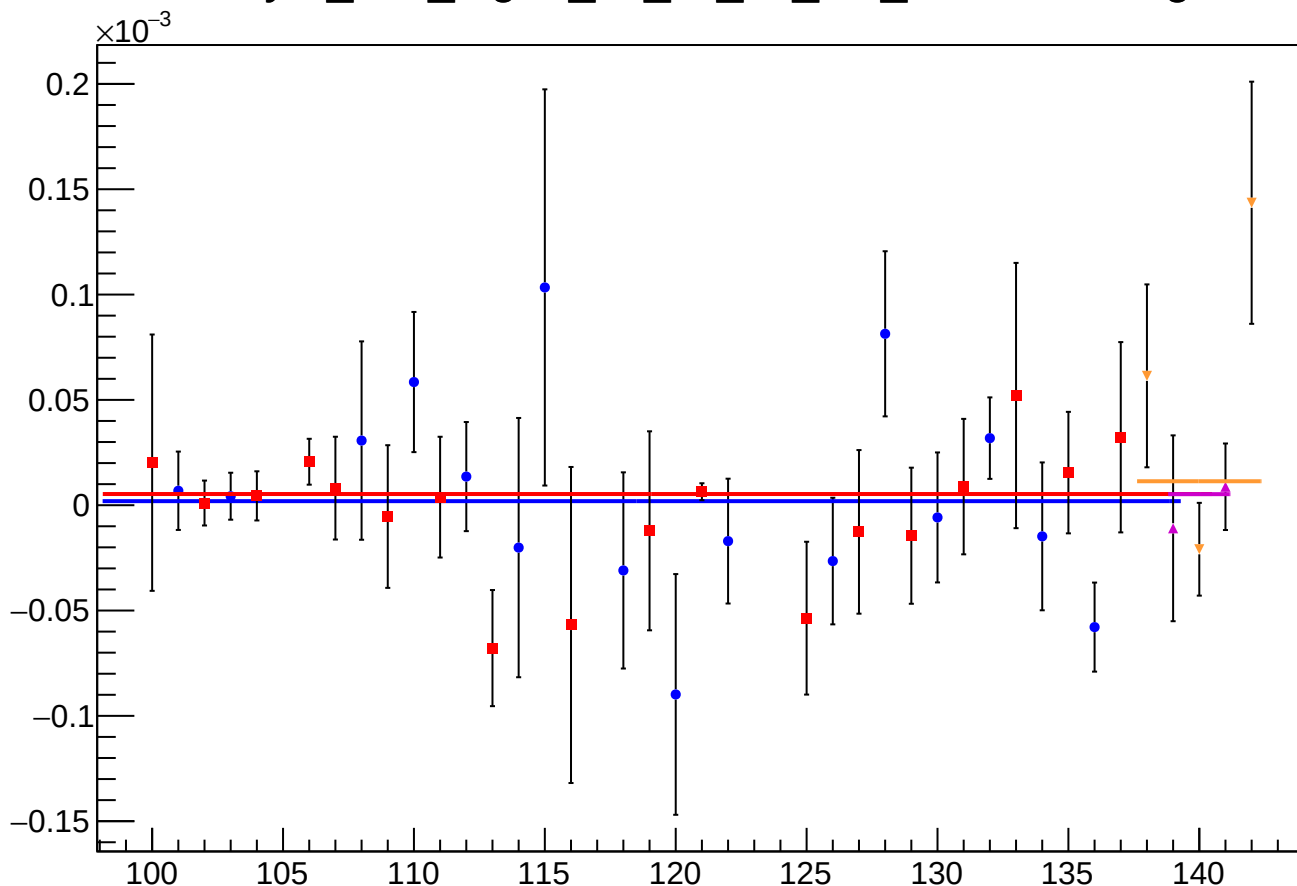
Left In: 531.227 $\pm$ 0.304 χ^2 /NDF:231036.6/1

+ sign 253.503 $\pm$ 0.065 χ^2 /NDF: 2583272.4/18

All: 244.507 $\pm$ 0.045 χ^2 /NDF: 4693234.0/38

- sign 236.292 $\pm$ 0.062 χ^2 /NDF: 2073552.1/19

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:8.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/17

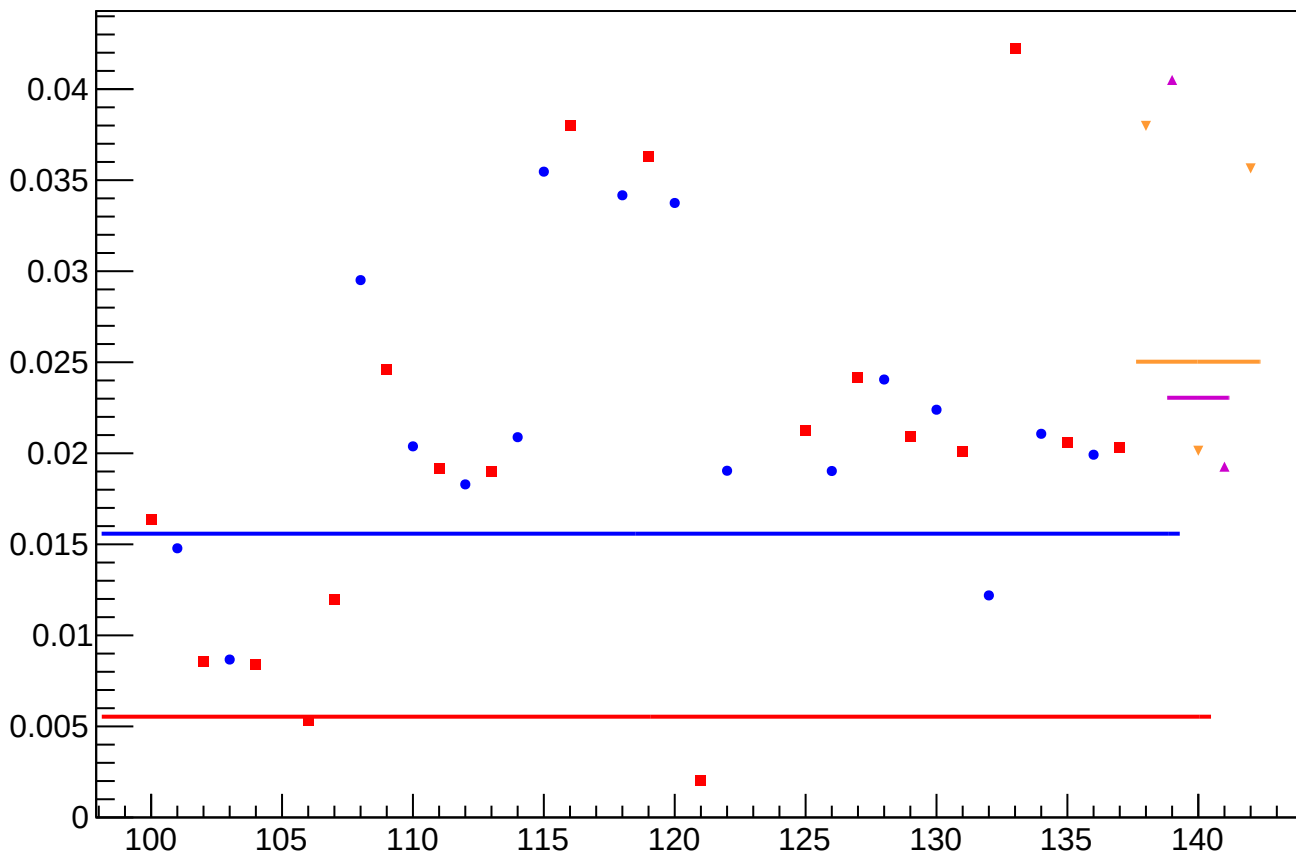
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.0/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.7/19

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 2074656.7/15

Left Out: 0.025+/-0.000 χ^2/NDF : 344818.1/2

Right Out: 0.006+/-0.000 χ^2/NDF : 7954965.8/17

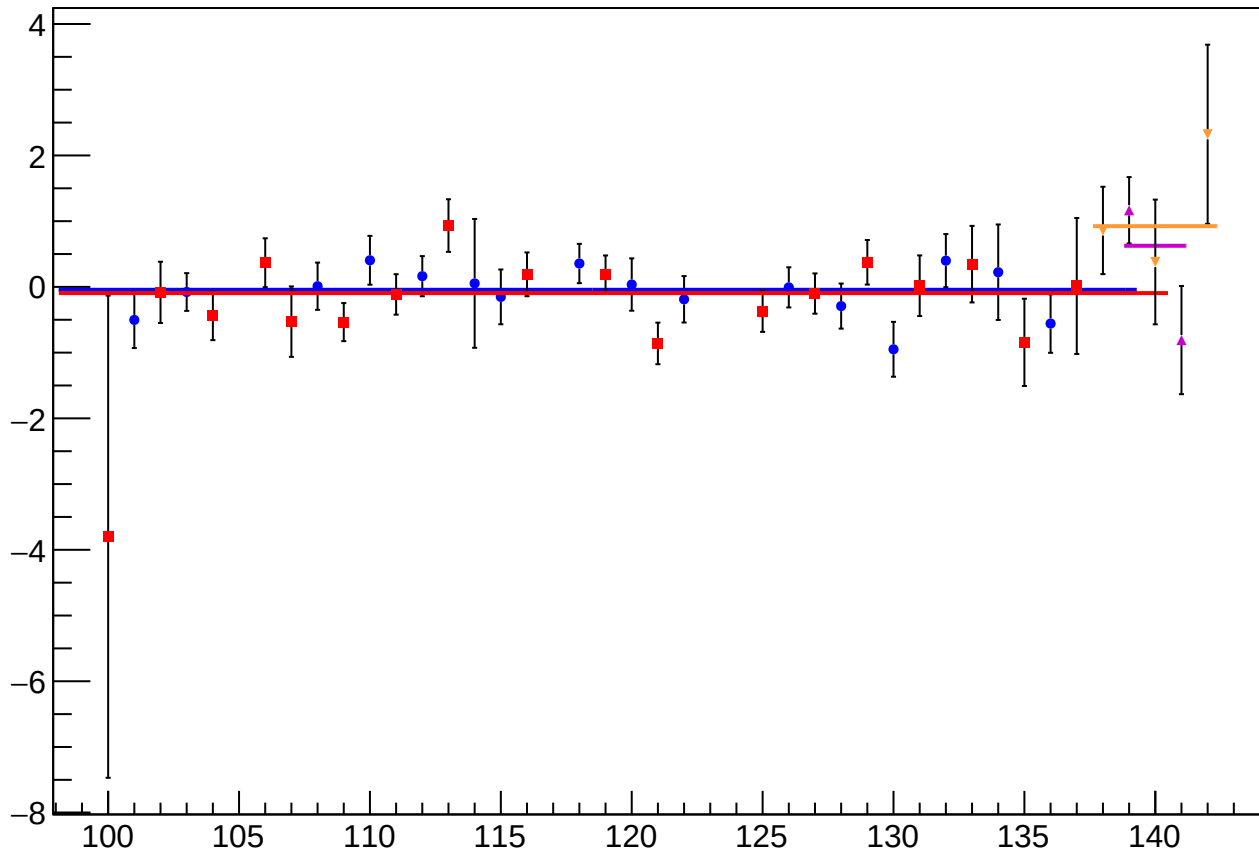
Left In: 0.023+/-0.000 χ^2/NDF : 381019.9/1

+ sign 0.017+/-0.000 χ^2/NDF : 2881730.8/18

All: 0.008+/-0.000 χ^2/NDF : 17737181.6/38

- sign 0.006+/-0.000 χ^2/NDF : 10055184.1/19

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044 ± 0.094 χ^2/NDF : 13.1/15

Left Out: 0.924 ± 0.506 χ^2/NDF : 1.4/2

Right Out: -0.094 ± 0.090 χ^2/NDF : 25.3/17

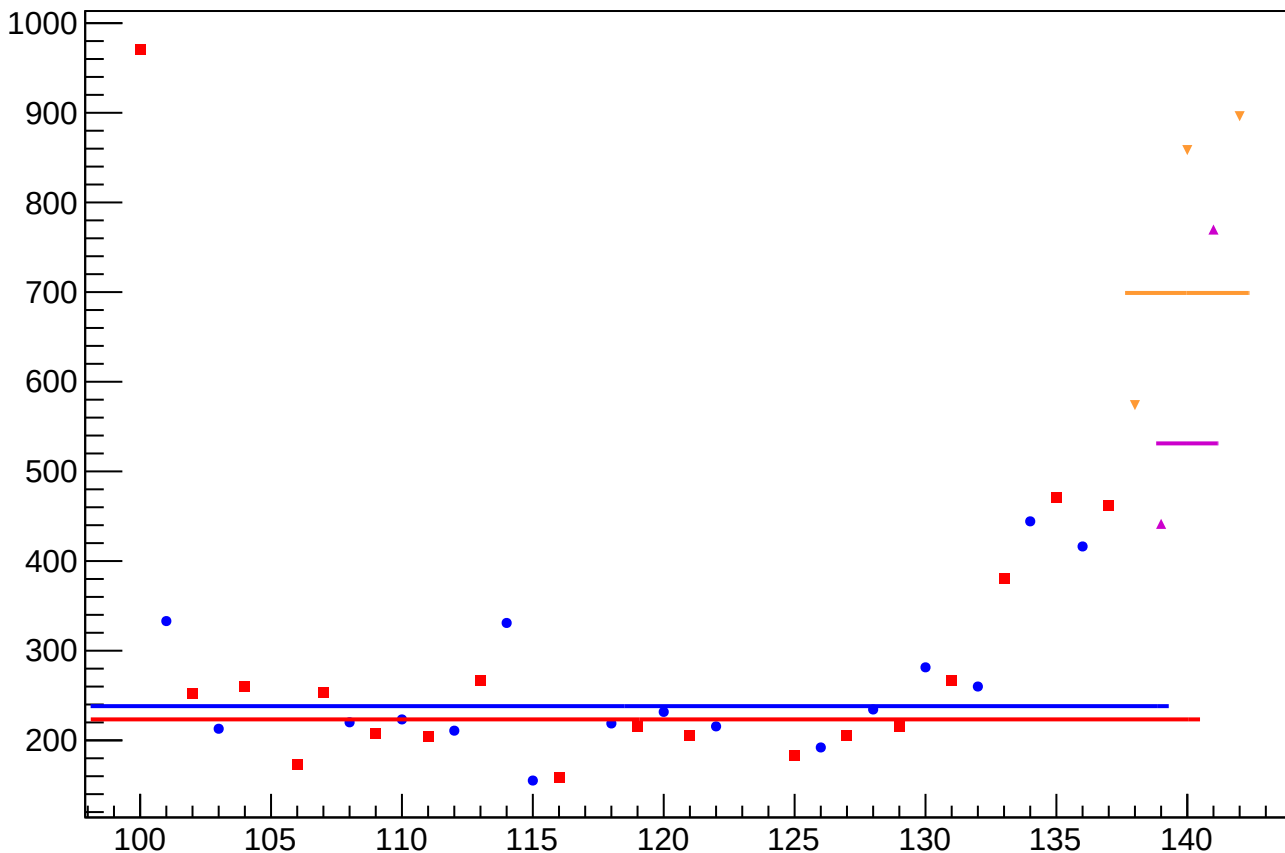
Left In: 0.626 ± 0.430 χ^2/NDF : 4.2/1

+ sign -0.012 ± 0.092 χ^2/NDF : 18.0/18

All: -0.039 ± 0.064 χ^2/NDF : 50.3/38

- sign -0.064 ± 0.088 χ^2/NDF : 32.1/19

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165 ± 0.066 $\chi^2/\text{NDF}: 807170.1/15$

Left Out: 699.049 ± 0.357 $\chi^2/\text{NDF}: 169130.8/2$

Right Out: 223.390 ± 0.064 $\chi^2/\text{NDF}: 862366.3/17$

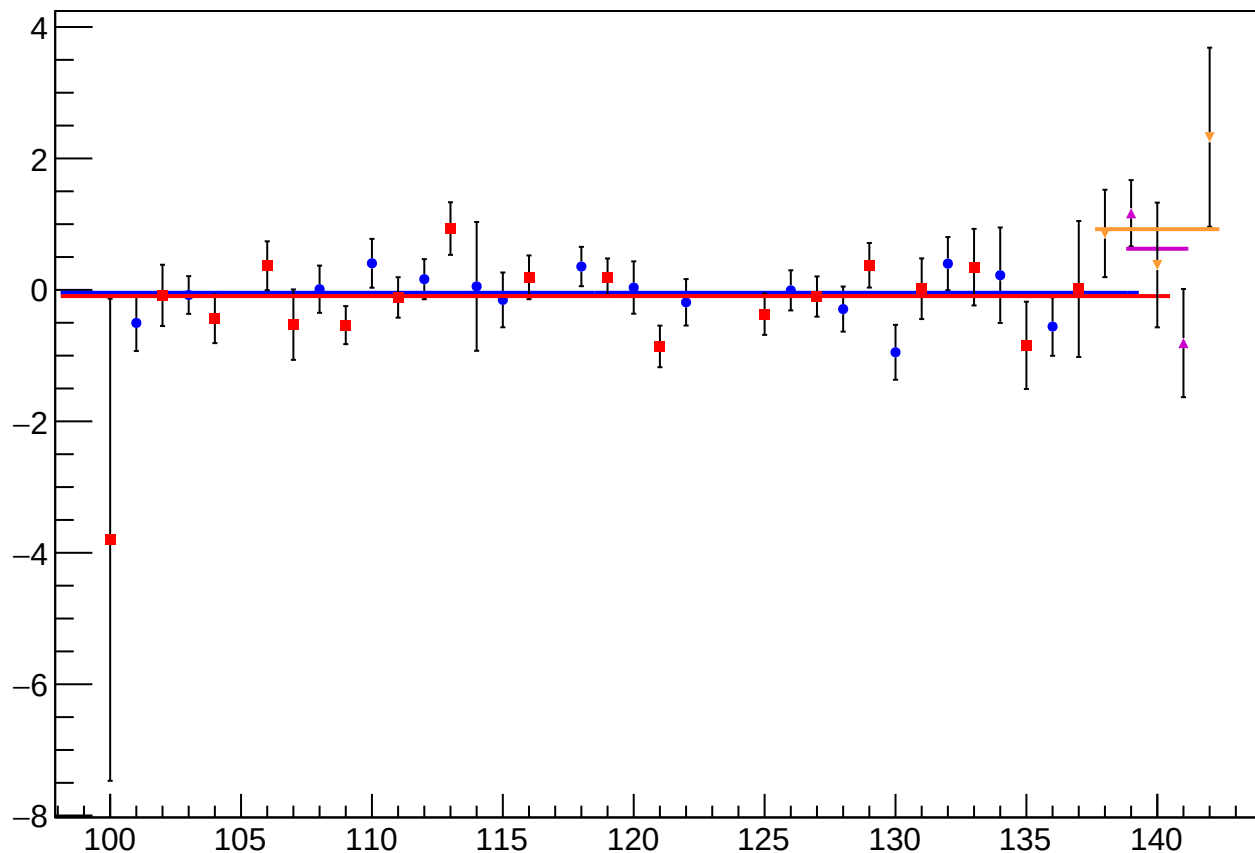
Left In: 531.241 ± 0.304 $\chi^2/\text{NDF}: 231024.9/1$

+ sign 253.504 ± 0.065 $\chi^2/\text{NDF}: 2583257.9/18$

All: 244.508 ± 0.045 $\chi^2/\text{NDF}: 4693177.8/38$

- sign 236.294 ± 0.062 $\chi^2/\text{NDF}: 2073514.4/19$

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: 0.924 ± 0.506 χ^2/NDF : 1.4/2

Right Out: -0.094 ± 0.090 χ^2/NDF : 25.3/17

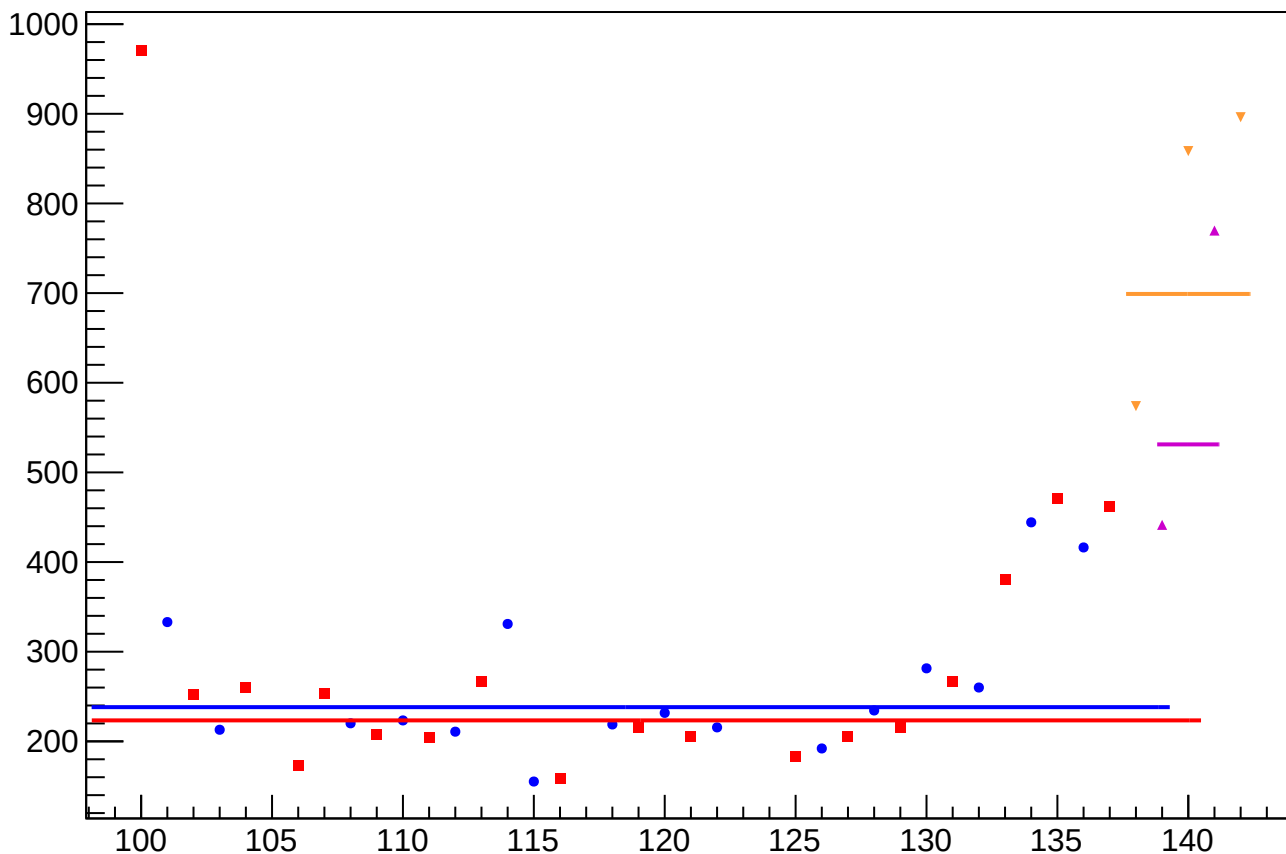
Left In: 0.626 ± 0.430 χ^2/NDF : 4.2/1

+ sign -0.012 ± 0.092 χ^2/NDF : 18.0/18

All: -0.039 ± 0.064 χ^2/NDF : 50.3/38

- sign -0.064 ± 0.088 χ^2/NDF : 32.1/19

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: 699.049+/-0.357 χ^2/NDF : 169130.8/2

Right Out: 223.390+/-0.064 χ^2/NDF : 862366.3/17

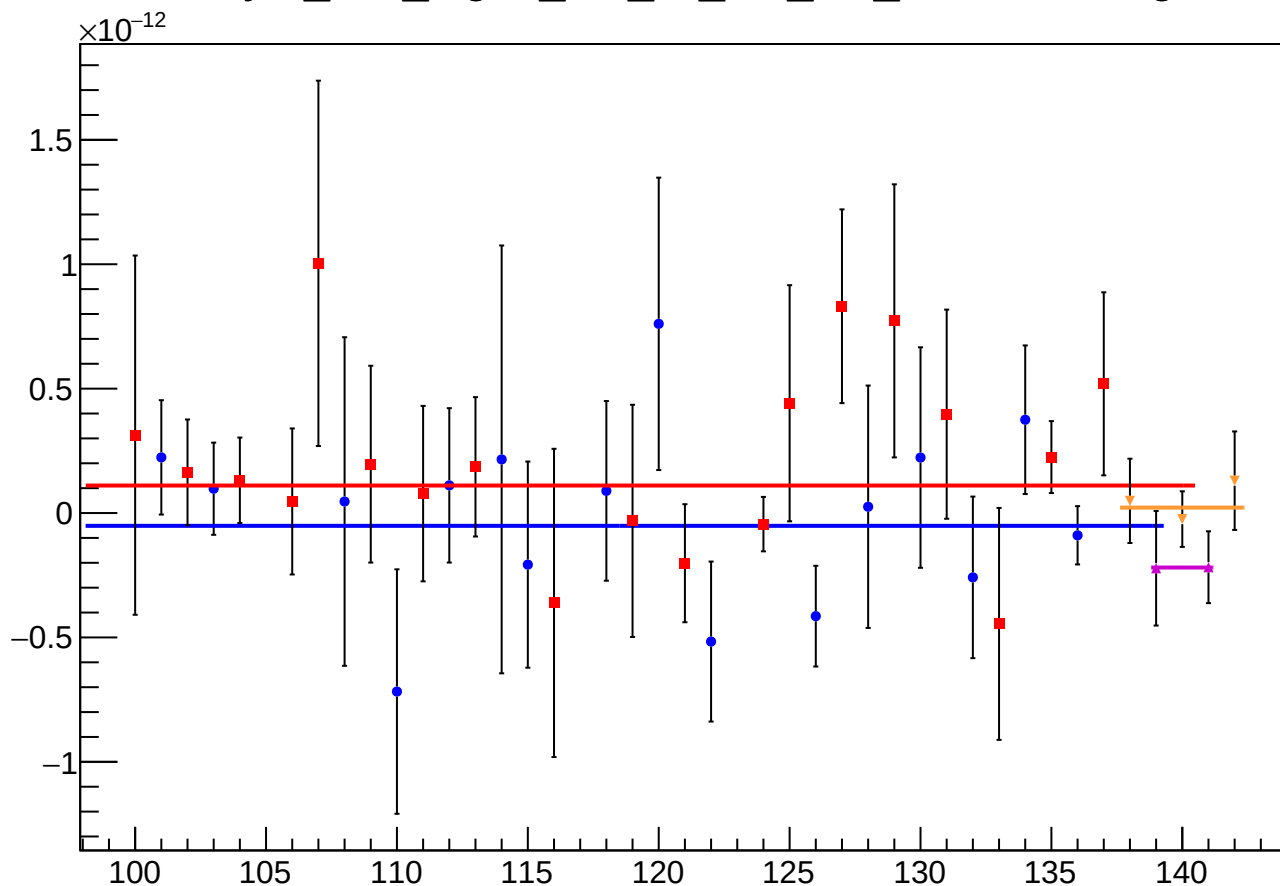
Left In: 531.241+/-0.304 χ^2/NDF : 231024.9/1

+ sign 253.504+/-0.065 χ^2/NDF : 2583257.9/18

All: 244.508+/-0.045 χ^2/NDF : 4693177.8/38

- sign 236.294+/-0.062 χ^2/NDF : 2073514.4/19

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 : 0.5/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.3/18

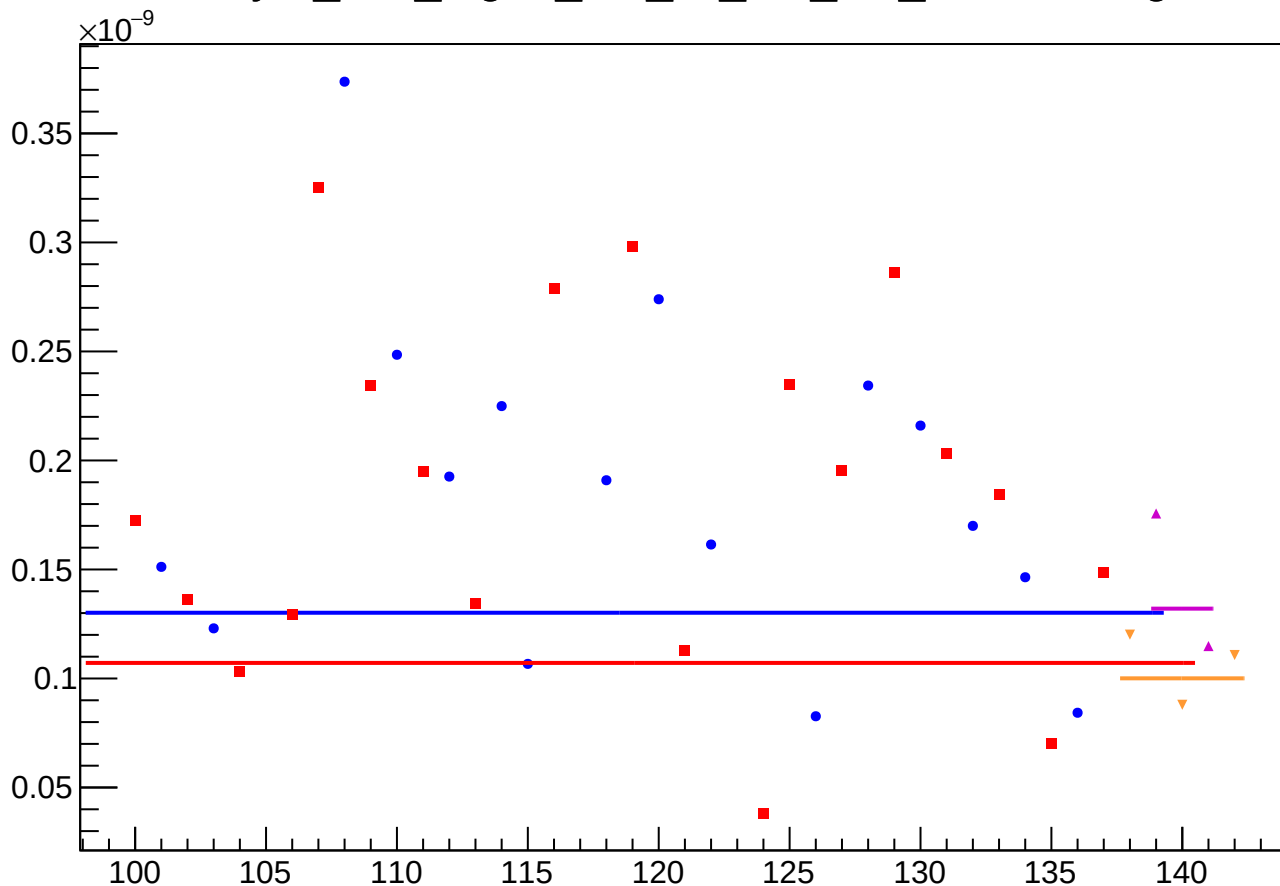
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 15.7/18

All: 0.000 ± 0.000 χ^2/NDF : 37.9/39

- sign 0.000 ± 0.000 χ^2/NDF : 21.2/20

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 : 57426.7/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2656168.1/18

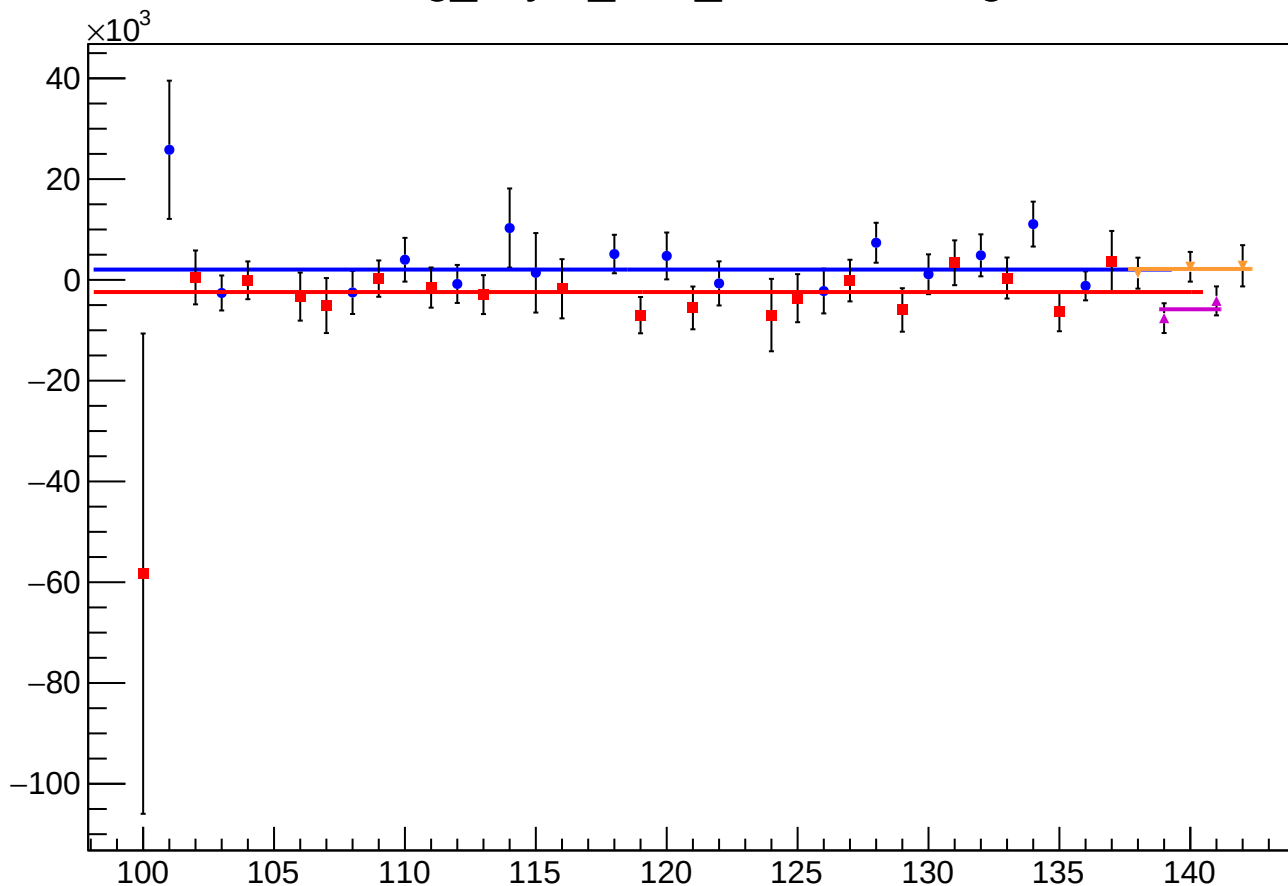
Left In: 0.000+/-0.000 χ^2/NDF : 100143.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 1546785.4/18

All: 0.000+/-0.000 χ^2/NDF : 4385685.9/39

- sign 0.000+/-0.000 χ^2/NDF : 2823494.5/20

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF : 17.8/15

Left Out: 2167.663+/-1887.903 χ^2/NDF : 0.1/2

Right Out: -2411.858+/-1035.471 χ^2/NDF : 10.8/18

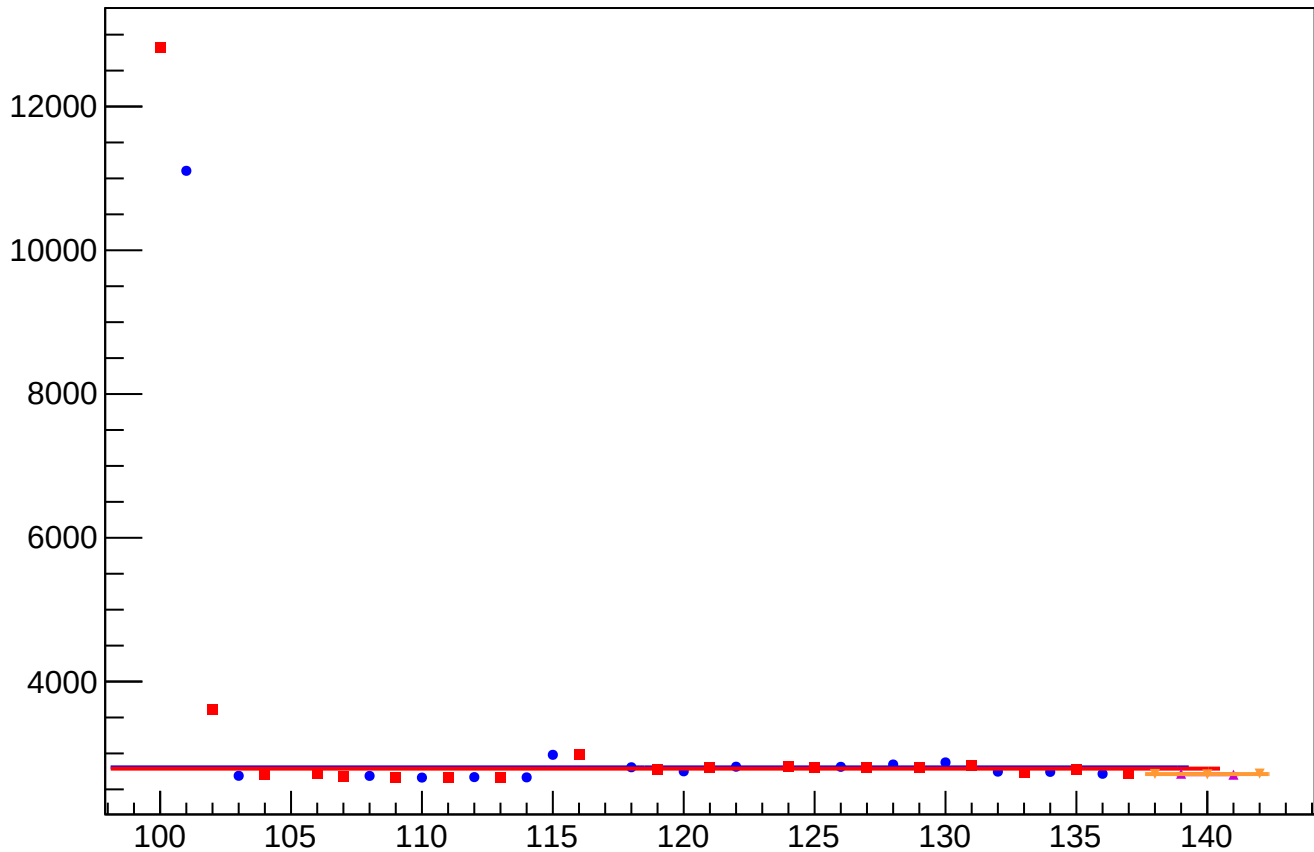
Left In: -5833.176+/-2059.981 χ^2/NDF : 0.7/1

+ sign 2078.239+/-931.144 χ^2/NDF : 17.9/18

All: -528.536+/-656.295 χ^2/NDF : 47.1/39

- sign -3101.950+/-925.167 χ^2/NDF : 13.7/20

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746240.6/15

Left Out: 2712.901+/-1.335 χ^2/NDF : 10.1/2

Right Out: 2788.820+/-0.732 χ^2/NDF : 146998.3/18

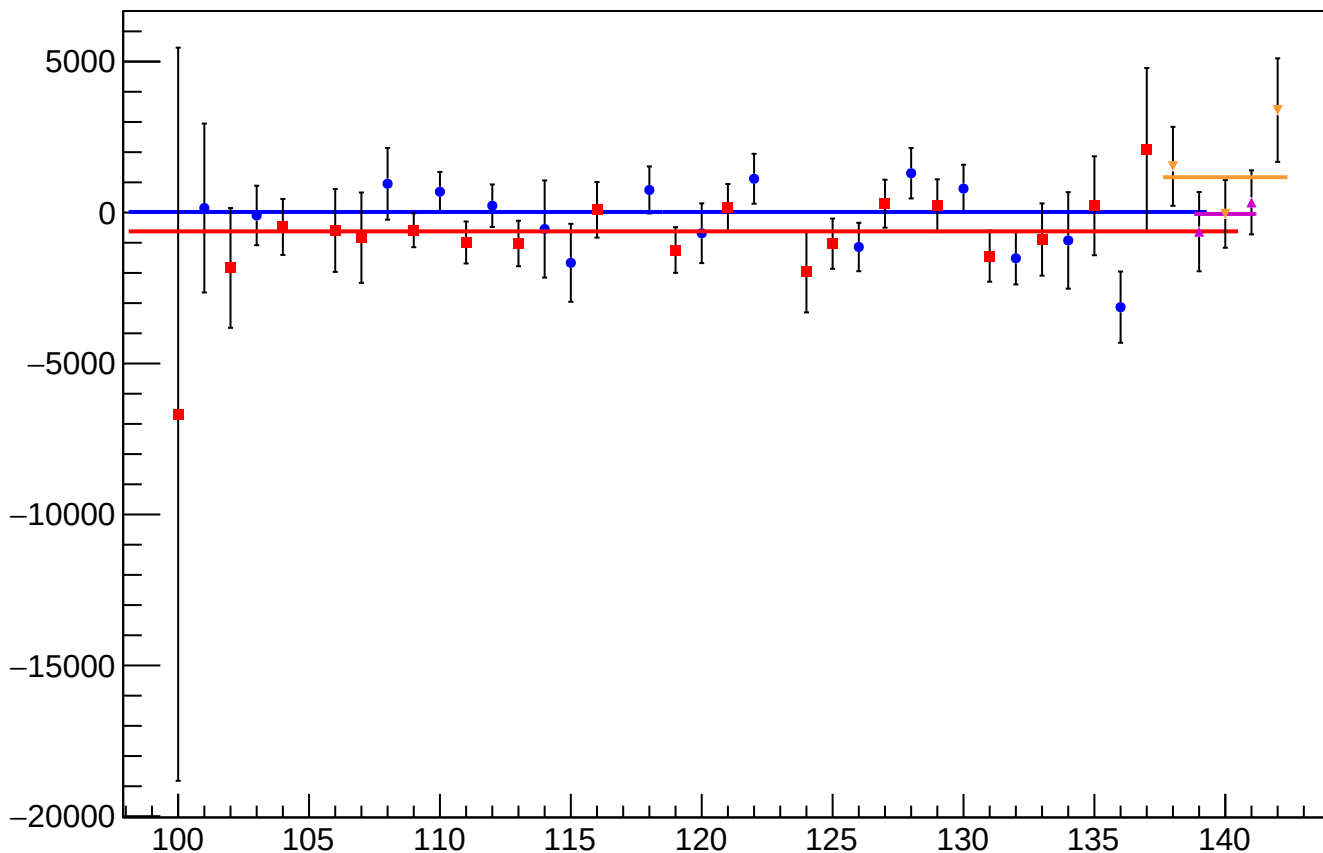
Left In: 2710.852+/-1.457 χ^2/NDF : 21.6/1

+ sign 2782.933+/-0.658 χ^2/NDF : 749887.5/18

All: 2777.982+/-0.464 χ^2/NDF : 899307.0/39

- sign 2773.094+/-0.654 χ^2/NDF : 149307.2/20

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981 ± 233.483 χ^2/NDF : 22.8/15

Left Out: 1170.273 ± 762.580 χ^2/NDF : 2.9/2

Right Out: -623.107 ± 215.948 χ^2/NDF : 9.3/18

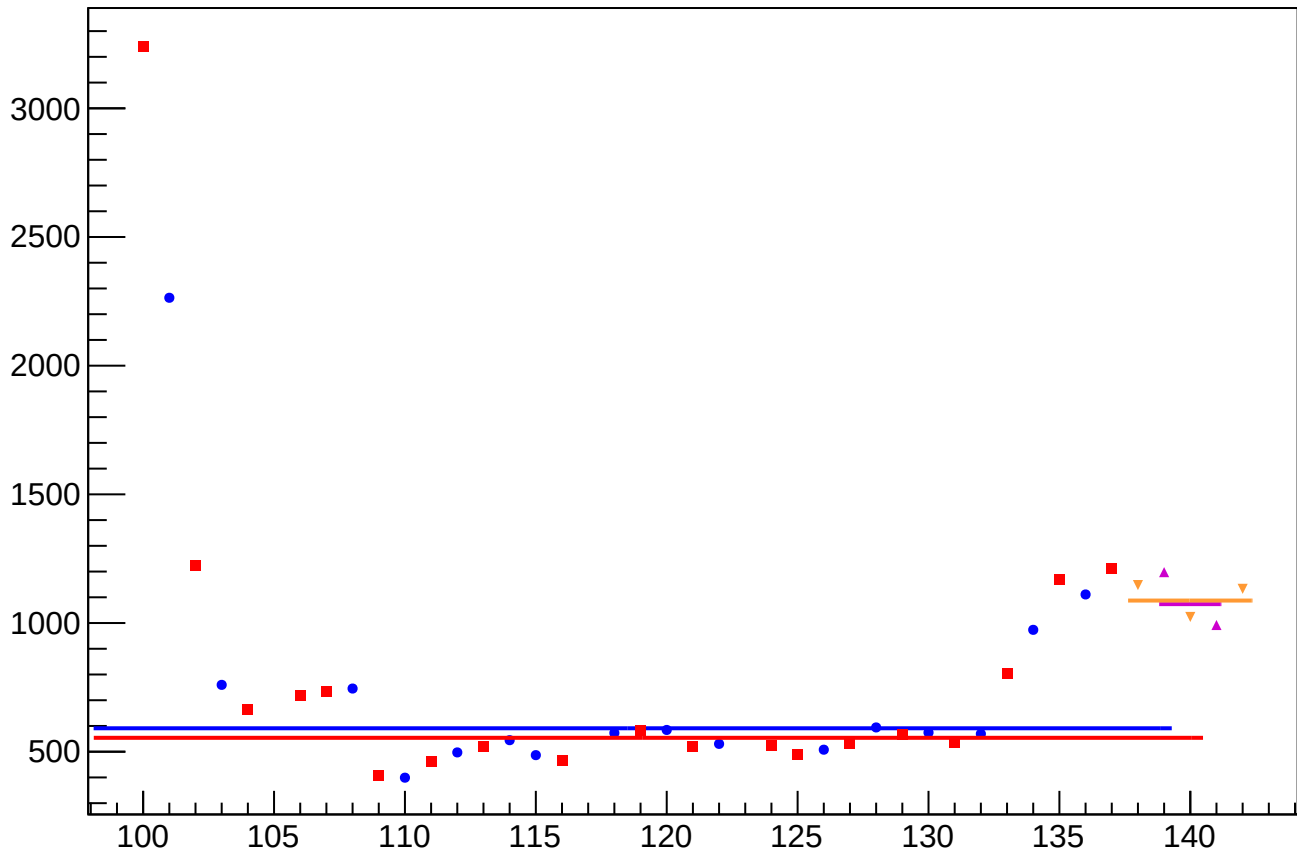
Left In: -46.234 ± 824.664 χ^2/NDF : 0.3/1

+ sign 117.656 ± 223.253 χ^2/NDF : 27.8/18

All: -257.556 ± 152.538 χ^2/NDF : 43.1/39

- sign -586.088 ± 208.904 χ^2/NDF : 10.1/20

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF : 1567663.5/15

Left Out: 1087.320+/-0.539 χ^2/NDF : 12093.5/2

Right Out: 553.982+/-0.153 χ^2/NDF : 1116915.2/18

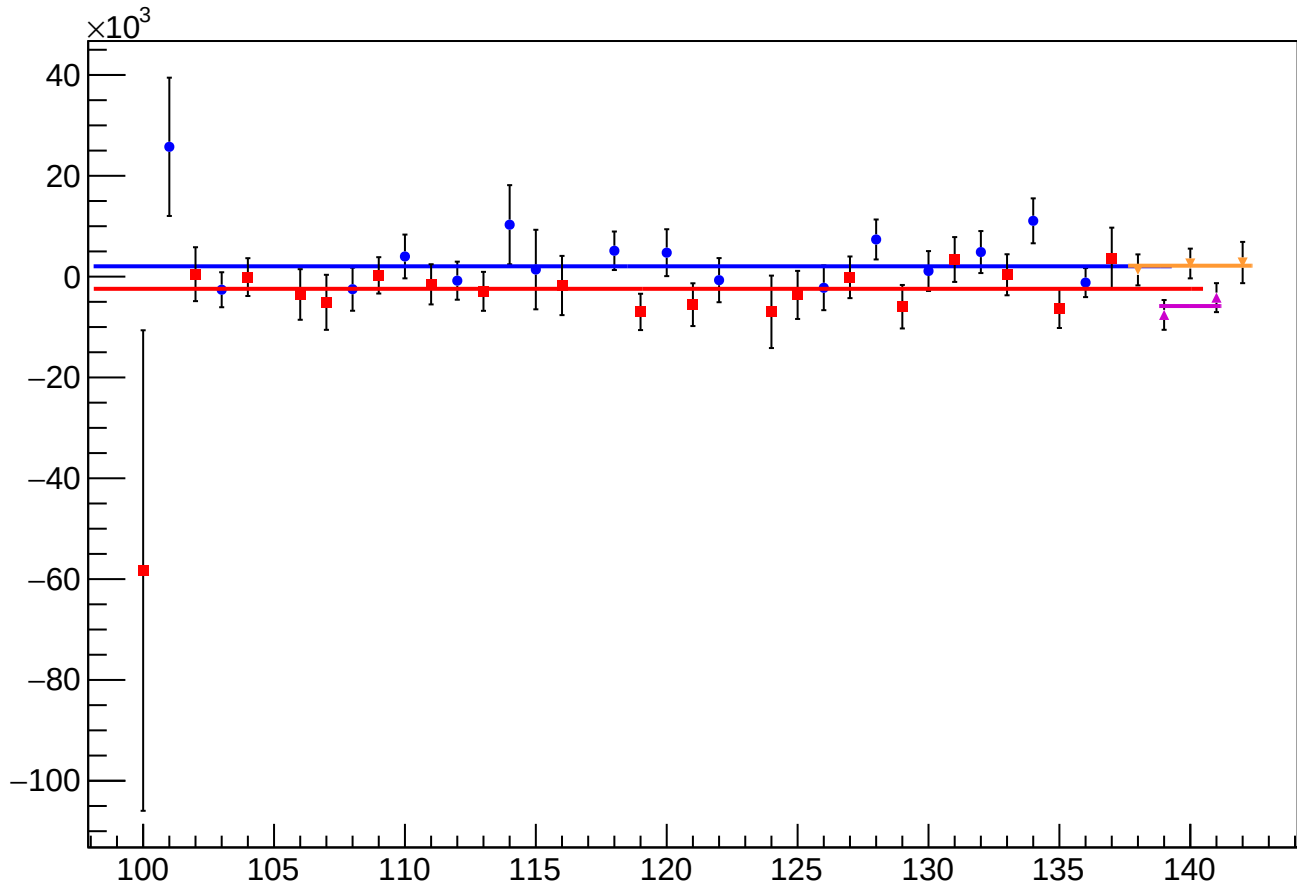
Left In: 1073.429+/-0.583 χ^2/NDF : 29642.3/1

+ sign 633.576+/-0.158 χ^2/NDF : 2354210.1/18

All: 608.912+/-0.108 χ^2/NDF : 4289155.1/39

- sign 587.315+/-0.148 χ^2/NDF : 1889159.6/20

cor_asym_atr1_mean vs Slug



Right In: 2048.688 $\pm$ 1070.395 χ^2 /NDF: 17.8/15

Left Out: 2167.705 $\pm$ 1887.903 χ^2 /NDF: 0.1/2

Right Out: -2417.909 $\pm$ 1037.856 χ^2 /NDF: 10.8/18

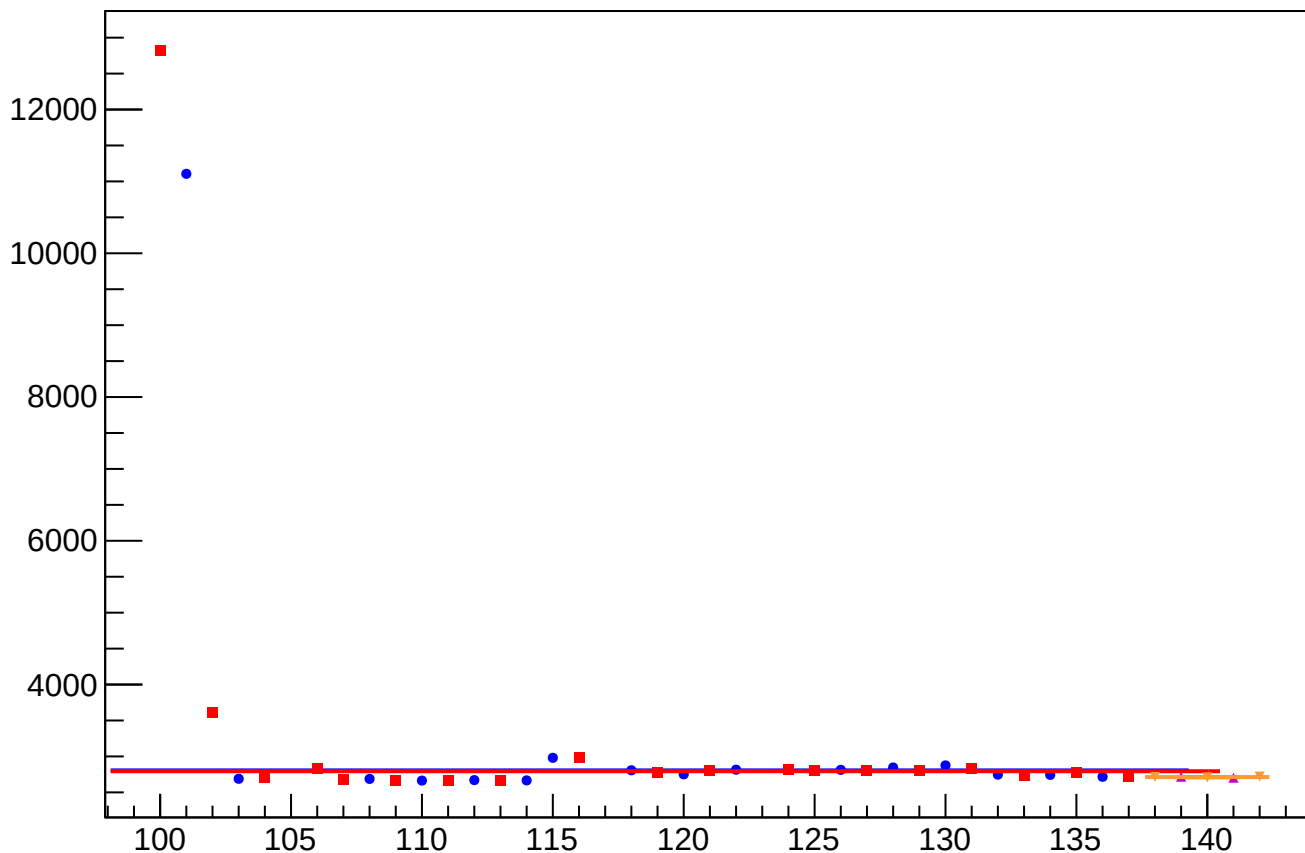
Left In: -5833.655 $\pm$ 2059.981 χ^2 /NDF: 0.7/1

+ sign 2077.640 $\pm$ 931.144 χ^2 /NDF: 17.9/18

All: -527.828 $\pm$ 656.901 χ^2 /NDF: 47.1/39

- sign -3109.411 $\pm$ 926.866 χ^2 /NDF: 13.7/20

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746239.8/15

Left Out: 2712.901+/-1.335 χ^2/NDF : 10.1/2

Right Out: 2794.157+/-0.734 χ^2/NDF : 146744.3/18

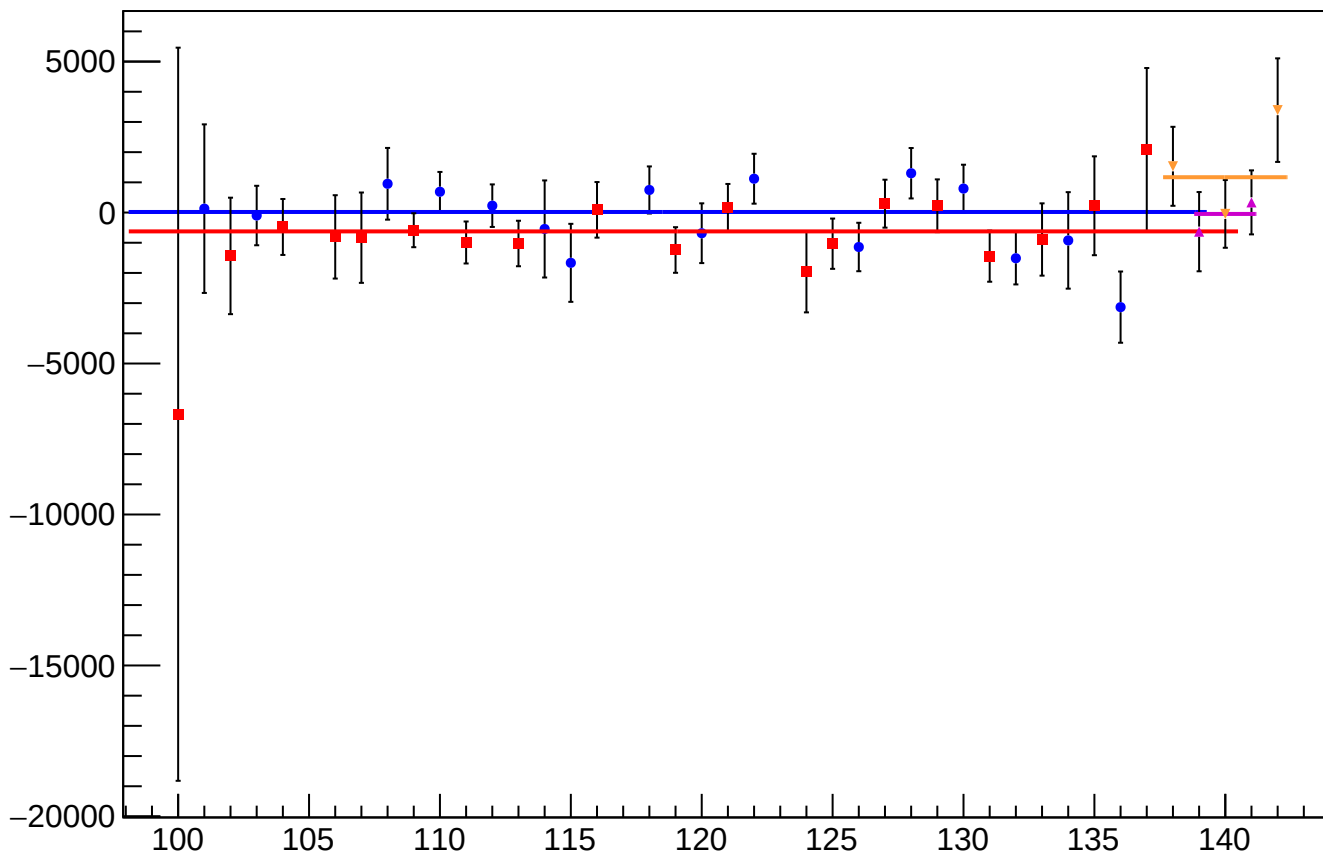
Left In: 2710.852+/-1.457 χ^2/NDF : 21.6/1

+ sign 2782.933+/-0.658 χ^2/NDF : 749886.6/18

All: 2780.100+/-0.464 χ^2/NDF : 899298.0/39

- sign 2777.292+/-0.655 χ^2/NDF : 149374.5/20

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940 ± 233.471 χ^2/NDF : 22.8/15

Left Out: 1170.130 ± 762.578 χ^2/NDF : 2.9/2

Right Out: -624.217 ± 215.902 χ^2/NDF : 9.1/18

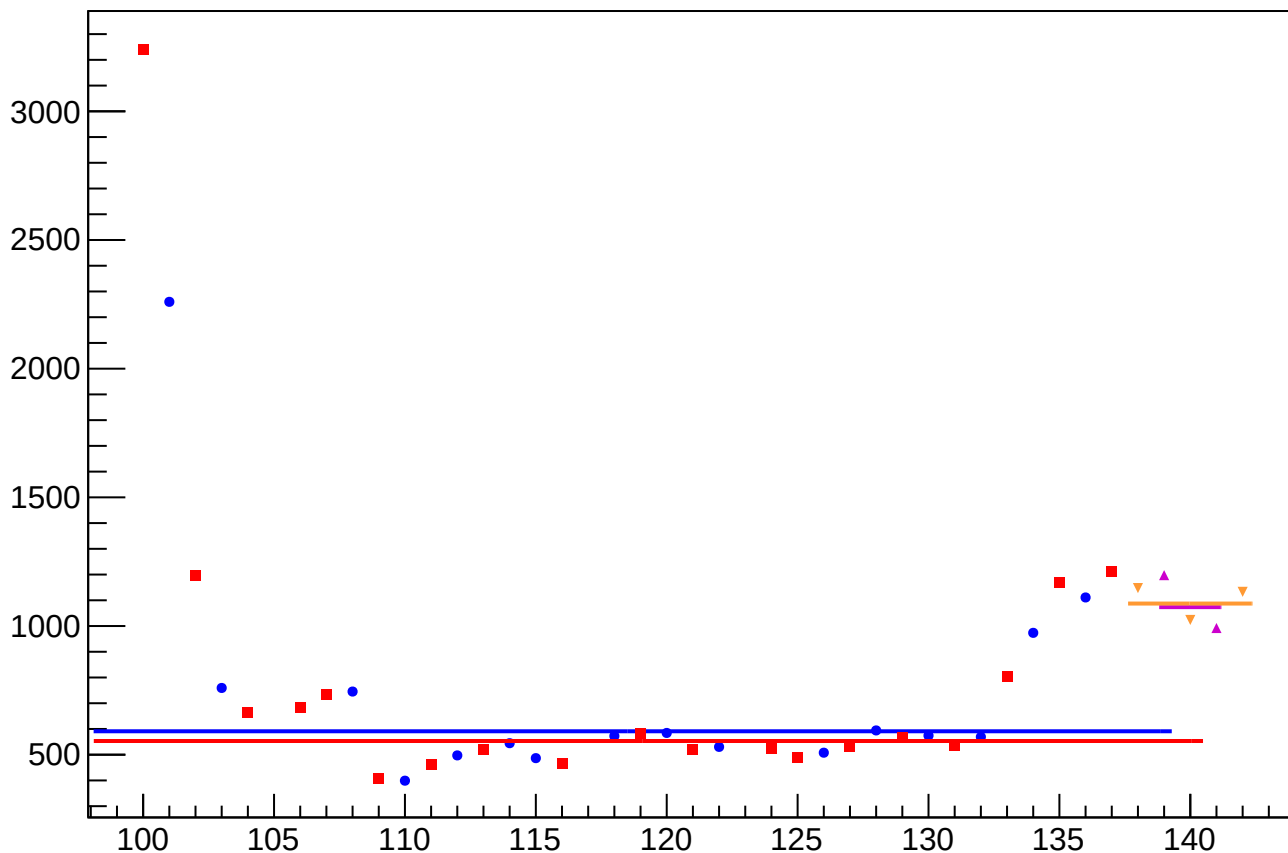
Left In: -46.191 ± 824.659 χ^2/NDF : 0.3/1

+ sign 117.598 ± 223.243 χ^2/NDF : 27.8/18

All: -258.198 ± 152.519 χ^2/NDF : 43.0/39

- sign -587.139 ± 208.862 χ^2/NDF : 9.9/20

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039 ± 0.165 $\chi^2/\text{NDF}: 1566635.0/15$

Left Out: 1087.313 ± 0.539 $\chi^2/\text{NDF}: 12091.3/2$

Right Out: 553.233 ± 0.153 $\chi^2/\text{NDF}: 1101651.0/18$

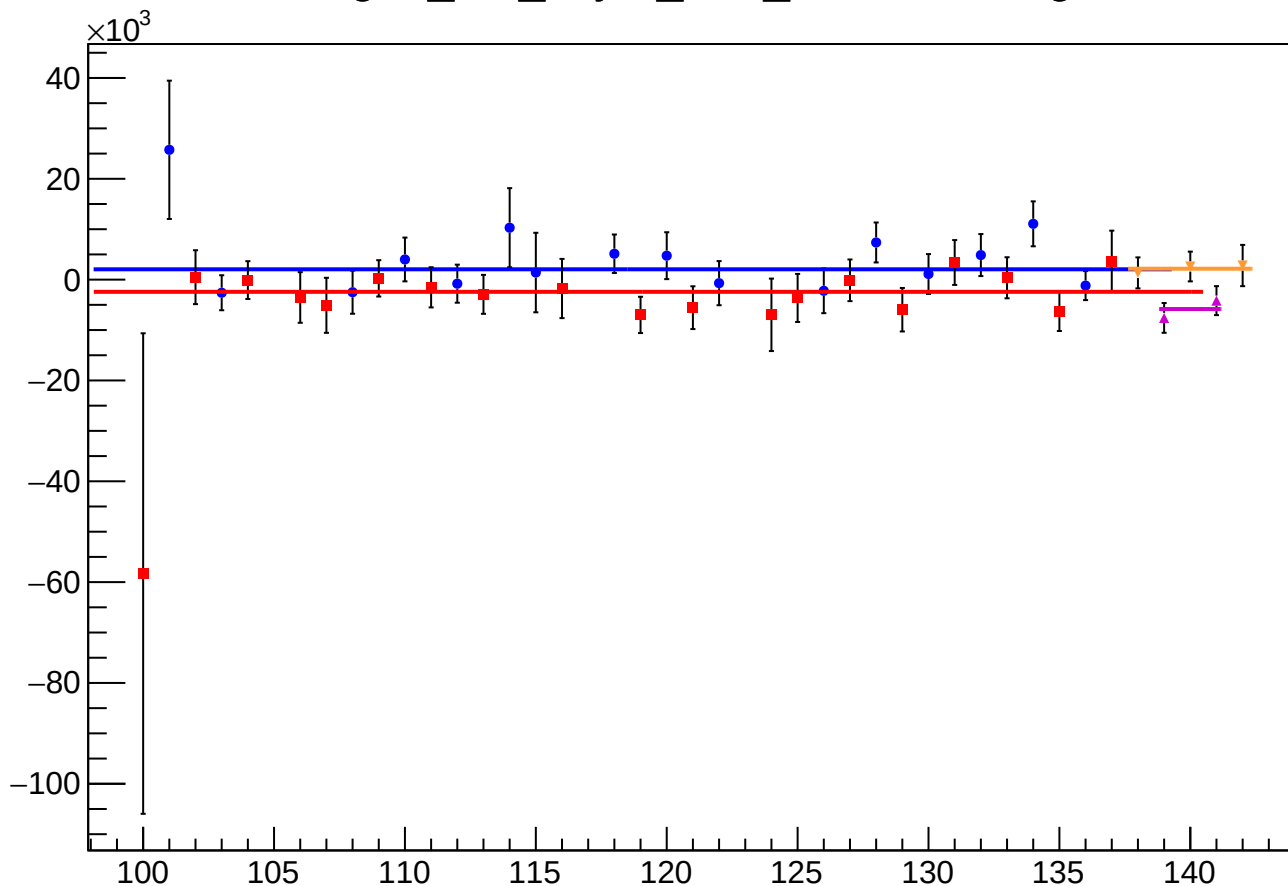
Left In: 1073.419 ± 0.583 $\chi^2/\text{NDF}: 29650.2/1$

+ sign 633.571 ± 0.158 $\chi^2/\text{NDF}: 2353174.8/18$

All: 608.524 ± 0.108 $\chi^2/\text{NDF}: 4276430.4/39$

- sign 586.601 ± 0.148 $\chi^2/\text{NDF}: 1876045.2/20$

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688 $\pm$ 1070.395 χ^2 /NDF: 17.8/15

Left Out: 2167.705 $\pm$ 1887.903 χ^2 /NDF: 0.1/2

Right Out: -2417.909 $\pm$ 1037.856 χ^2 /NDF: 10.8/18

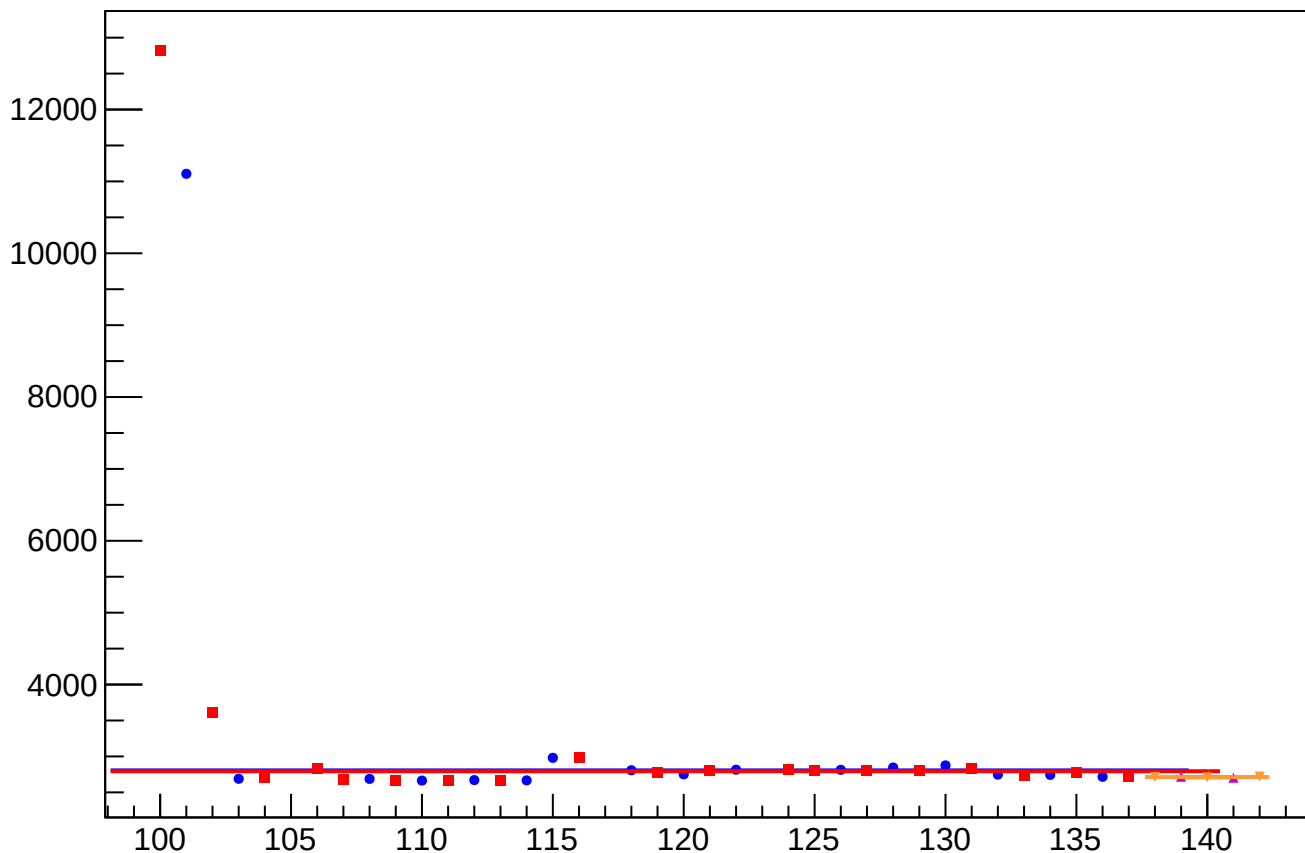
Left In: -5833.655 $\pm$ 2059.981 χ^2 /NDF: 0.7/1

+ sign 2077.640 $\pm$ 931.144 χ^2 /NDF: 17.9/18

All: -527.828 $\pm$ 656.901 χ^2 /NDF: 47.1/39

- sign -3109.411 $\pm$ 926.866 χ^2 /NDF: 13.7/20

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF : 746239.8/15

Left Out: 2712.901+/-1.335 χ^2/NDF : 10.1/2

Right Out: 2794.157+/-0.734 χ^2/NDF : 146744.3/18

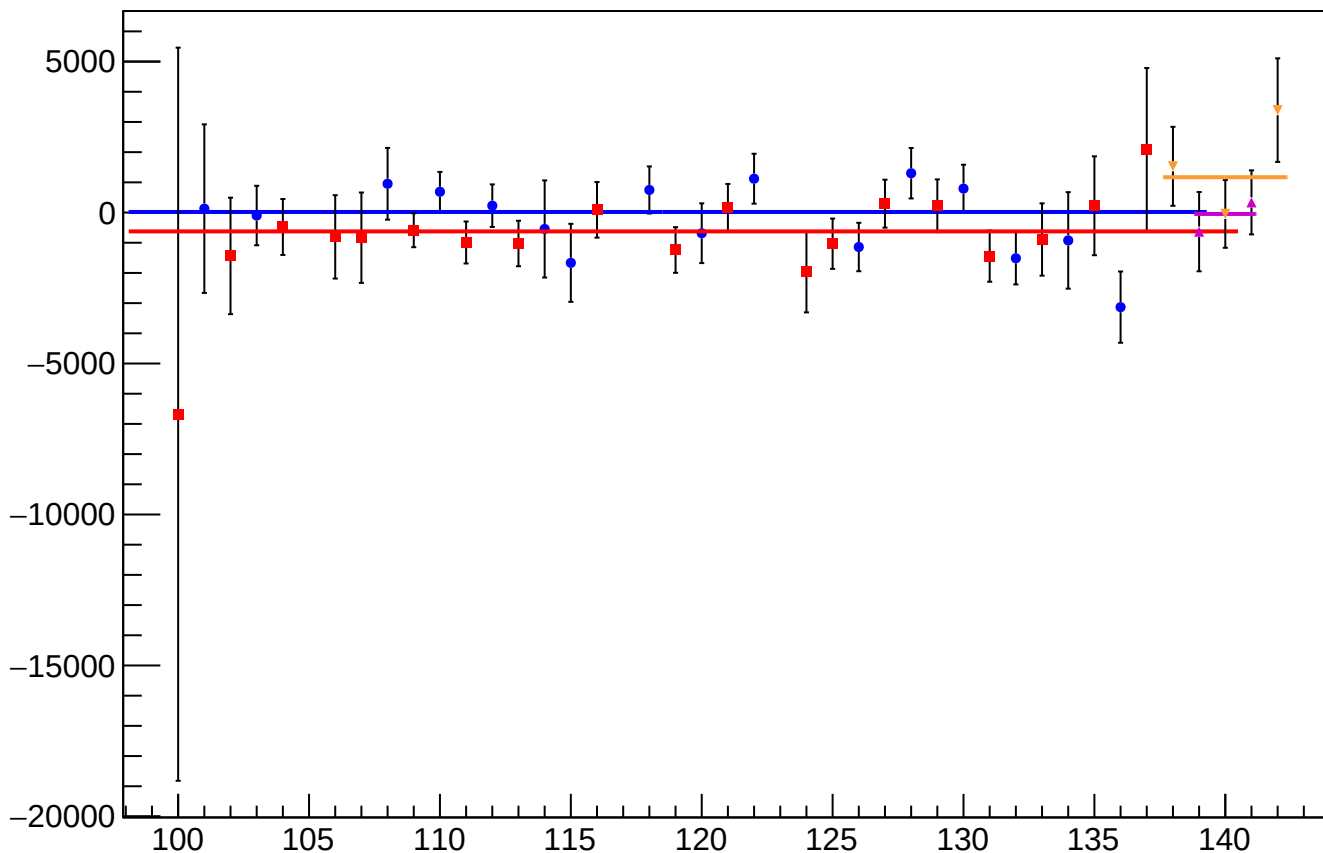
Left In: 2710.852+/-1.457 χ^2/NDF : 21.6/1

+ sign 2782.933+/-0.658 χ^2/NDF : 749886.6/18

All: 2780.100+/-0.464 χ^2/NDF : 899298.0/39

- sign 2777.292+/-0.655 χ^2/NDF : 149374.5/20

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940 ± 233.471 χ^2/NDF : 22.8/15

Left Out: 1170.130 ± 762.578 χ^2/NDF : 2.9/2

Right Out: -624.217 ± 215.902 χ^2/NDF : 9.1/18

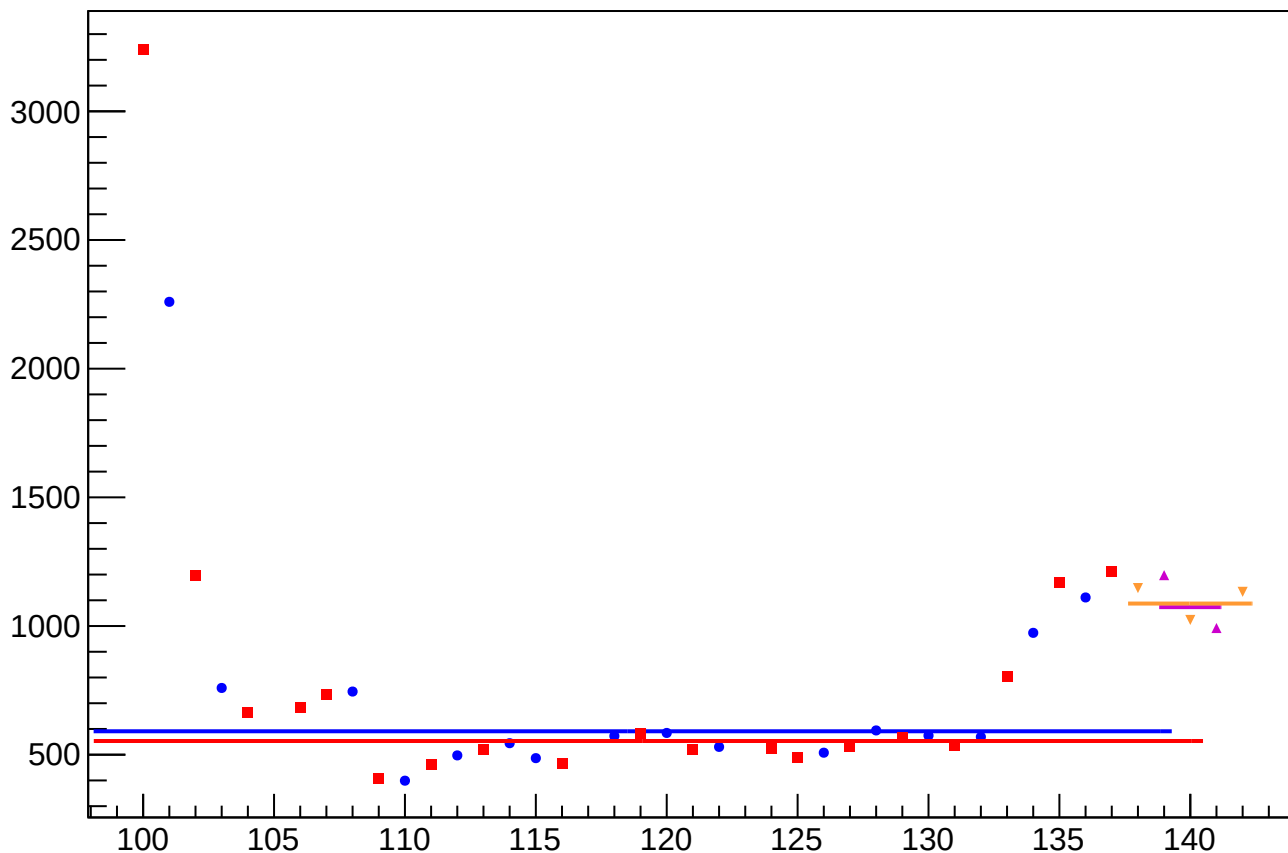
Left In: -46.191 ± 824.659 χ^2/NDF : 0.3/1

+ sign 117.598 ± 223.243 χ^2/NDF : 27.8/18

All: -258.198 ± 152.519 χ^2/NDF : 43.0/39

- sign -587.139 ± 208.862 χ^2/NDF : 9.9/20

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF : 1566635.0/15

Left Out: 1087.313+/-0.539 χ^2/NDF : 12091.3/2

Right Out: 553.233+/-0.153 χ^2/NDF : 1101651.0/18

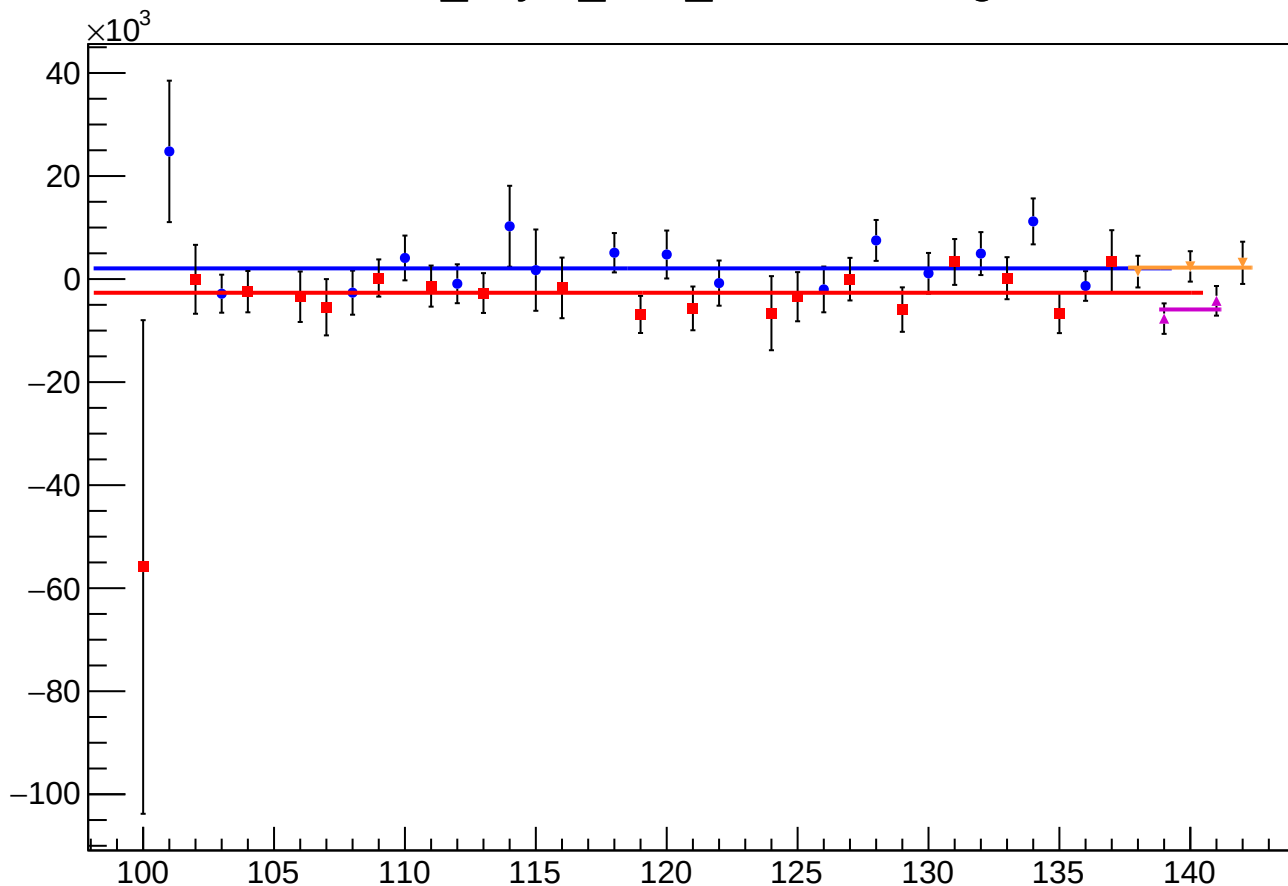
Left In: 1073.419+/-0.583 χ^2/NDF : 29650.2/1

+ sign 633.571+/-0.158 χ^2/NDF : 2353174.8/18

All: 608.524+/-0.108 χ^2/NDF : 4276430.4/39

- sign 586.601+/-0.148 χ^2/NDF : 1876045.2/20

dit_asym_atr1_mean vs Slug



Right In: 2074.766 $\pm$ 1077.182 χ^2/NDF : 17.9/15

Left Out: 2224.547 $\pm$ 1889.894 χ^2/NDF : 0.1/2

Right Out: -2657.301 $\pm$ 1049.868 χ^2/NDF : 9.9/18

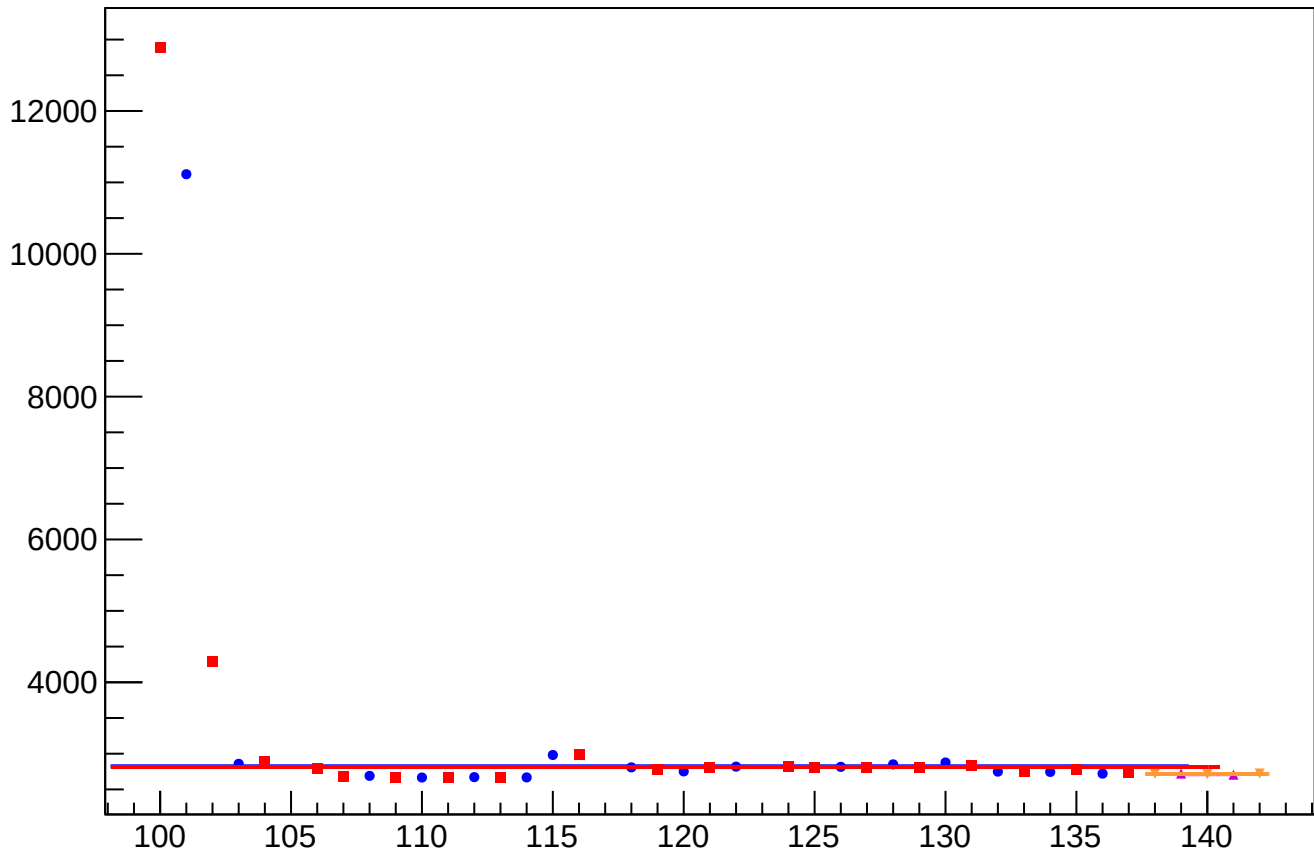
Left In: -5899.535 $\pm$ 2062.153 χ^2/NDF : 0.7/1

+ sign 2111.493 $\pm$ 935.844 χ^2/NDF : 18.0/18

All: -607.319 $\pm$ 661.654 χ^2/NDF : 47.5/39

- sign -3324.690 $\pm$ 935.596 χ^2/NDF : 12.6/20

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF : 743916.1/15

Left Out: 2715.752+/-1.336 χ^2/NDF : 10.4/2

Right Out: 2813.821+/-0.742 χ^2/NDF : 200511.9/18

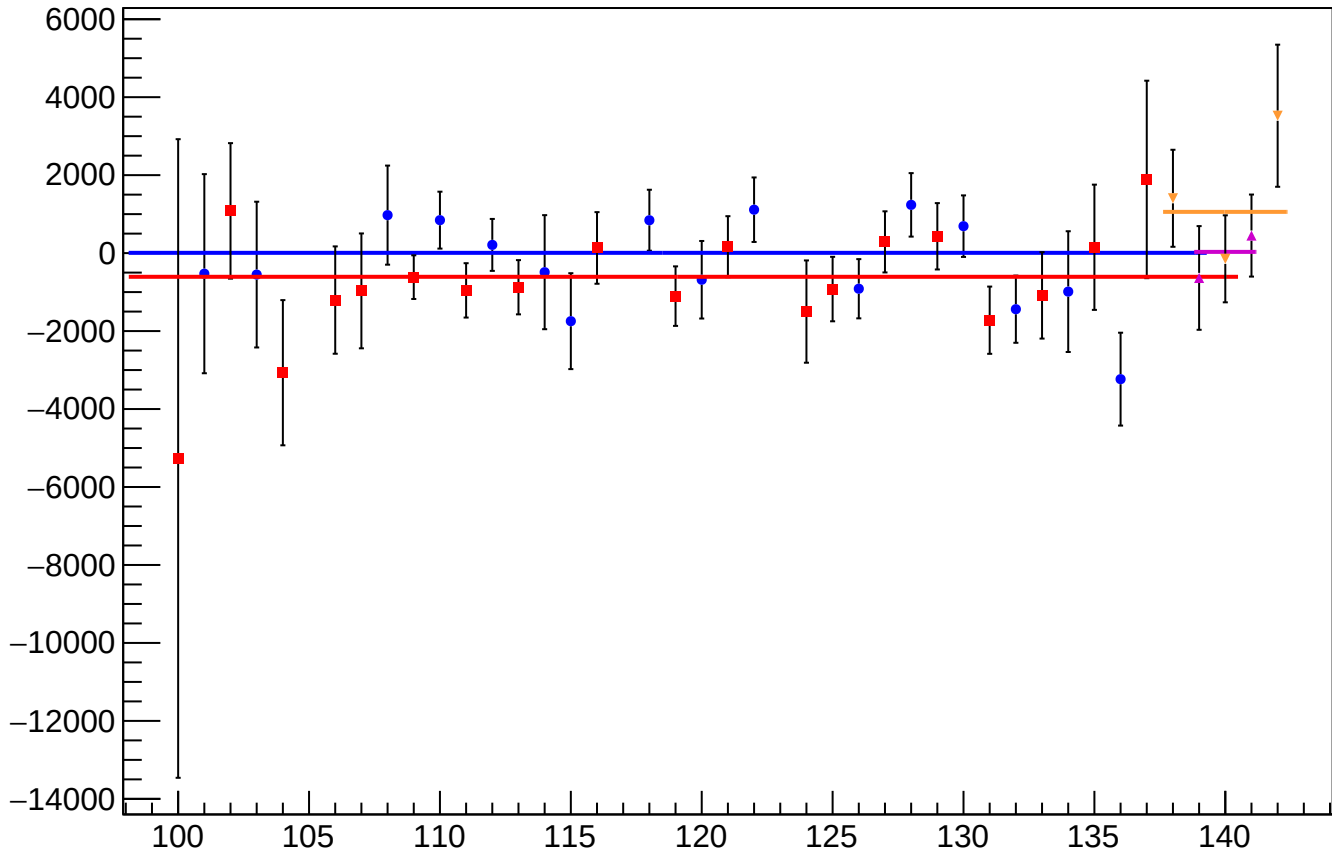
Left In: 2713.653+/-1.458 χ^2/NDF : 28.0/1

+ sign 2797.040+/-0.662 χ^2/NDF : 748828.6/18

All: 2795.121+/-0.468 χ^2/NDF : 953132.9/39

- sign 2793.203+/-0.662 χ^2/NDF : 204287.5/20

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048 ± 237.455 χ^2/NDF : 22.8/15

Left Out: 1058.023 ± 755.979 χ^2/NDF : 3.1/2

Right Out: -607.647 ± 217.093 χ^2/NDF : 12.2/18

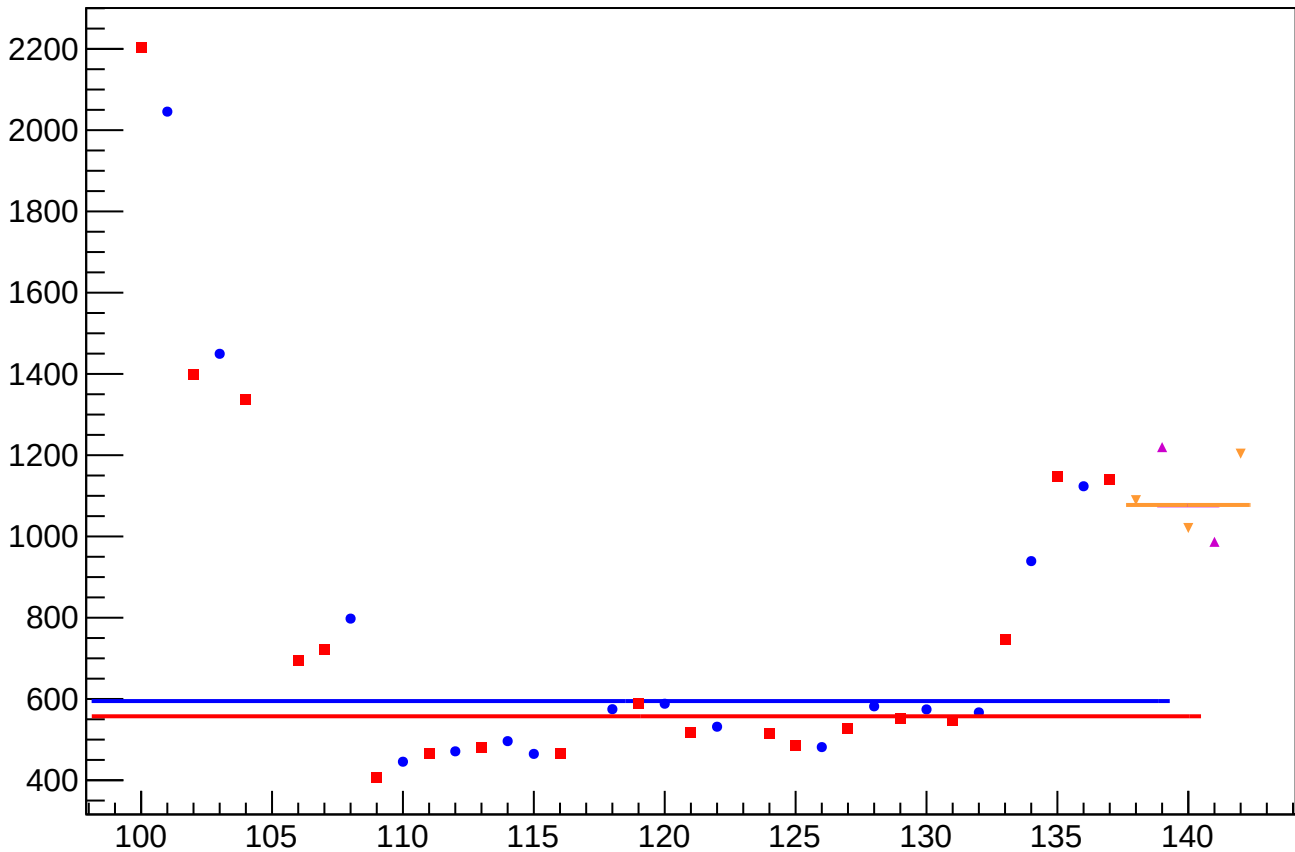
Left In: 31.400 ± 825.320 χ^2/NDF : 0.4/1

+ sign 101.427 ± 226.543 χ^2/NDF : 27.6/18

All: -257.776 ± 153.990 χ^2/NDF : 45.4/39

- sign -566.292 ± 209.952 χ^2/NDF : 13.1/20

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858 ± 0.168 $\chi^2/\text{NDF}: 1852655.3/15$

Left Out: 1077.535 ± 0.535 $\chi^2/\text{NDF}: 14938.9/2$

+ sign 638.202 ± 0.160 $\chi^2/\text{NDF}: 2609691.6/18$

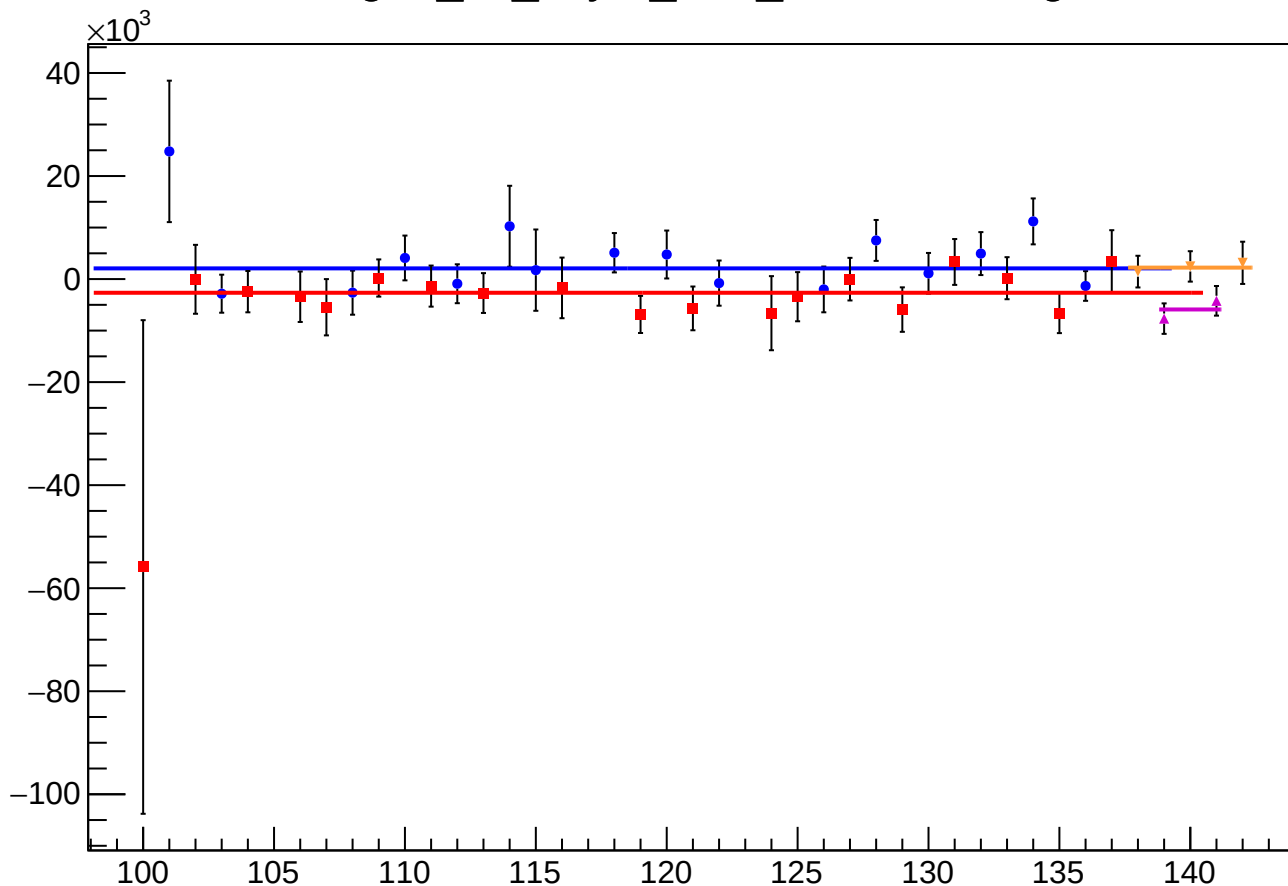
Right Out: 557.397 ± 0.154 $\chi^2/\text{NDF}: 1631309.6/18$

All: 612.807 ± 0.109 $\chi^2/\text{NDF}: 5065739.6/39$

- sign 590.996 ± 0.148 $\chi^2/\text{NDF}: 2409329.7/20$

Left In: 1076.589 ± 0.584 $\chi^2/\text{NDF}: 37758.5/1$

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766 $\pm$ 1077.182 χ^2/NDF : 17.9/15

Left Out: 2224.550 $\pm$ 1889.894 χ^2/NDF : 0.1/2

Right Out: -2657.300 $\pm$ 1049.868 χ^2/NDF : 9.9/18

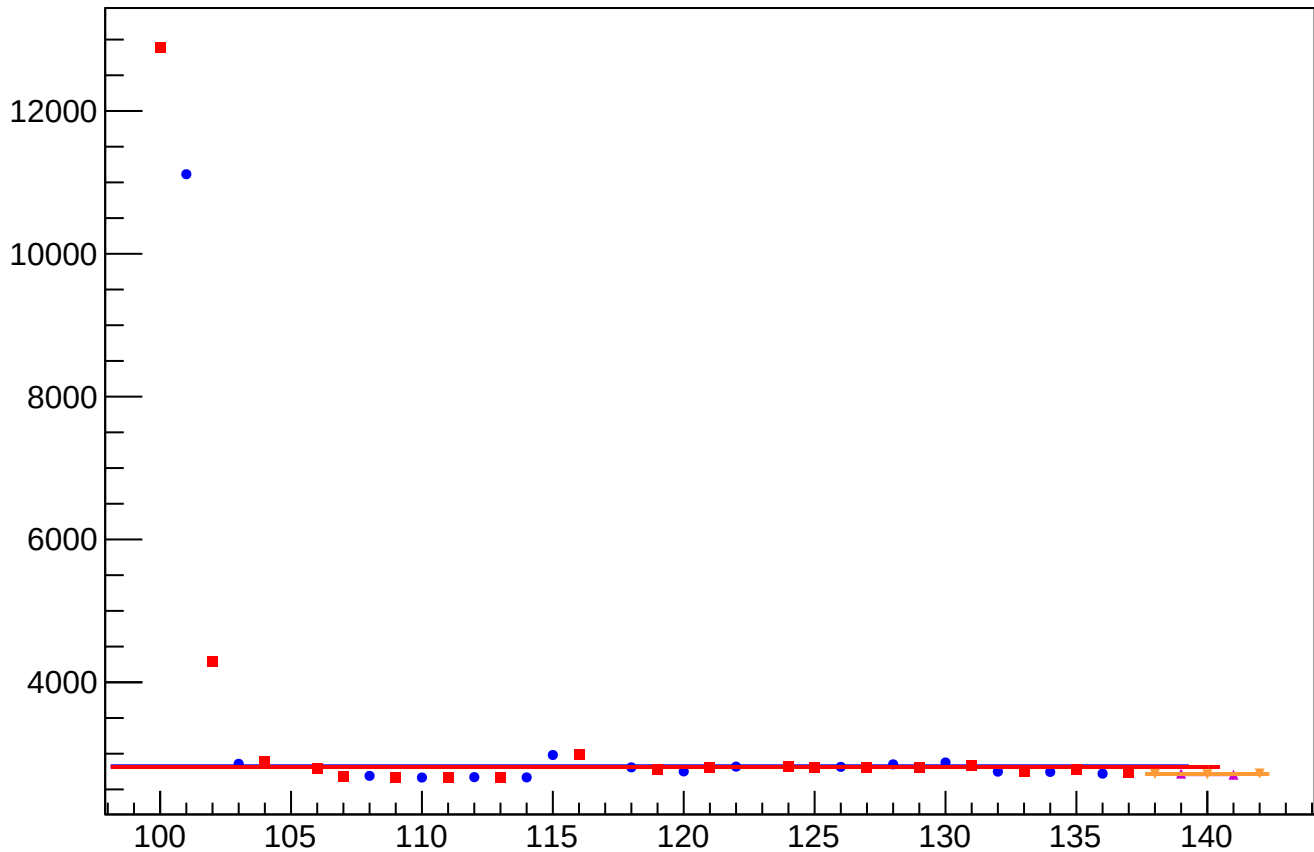
Left In: -5899.533 $\pm$ 2062.153 χ^2/NDF : 0.7/1

+ sign 2111.494 $\pm$ 935.844 χ^2/NDF : 18.0/18

All: -607.318 $\pm$ 661.654 χ^2/NDF : 47.5/39

- sign -3324.688 $\pm$ 935.596 χ^2/NDF : 12.6/20

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448 ± 0.762 χ^2/NDF : 743916.1/15

Left Out: 2715.752 ± 1.336 χ^2/NDF : 10.4/2

Right Out: 2813.821 ± 0.742 χ^2/NDF : 200511.7/18

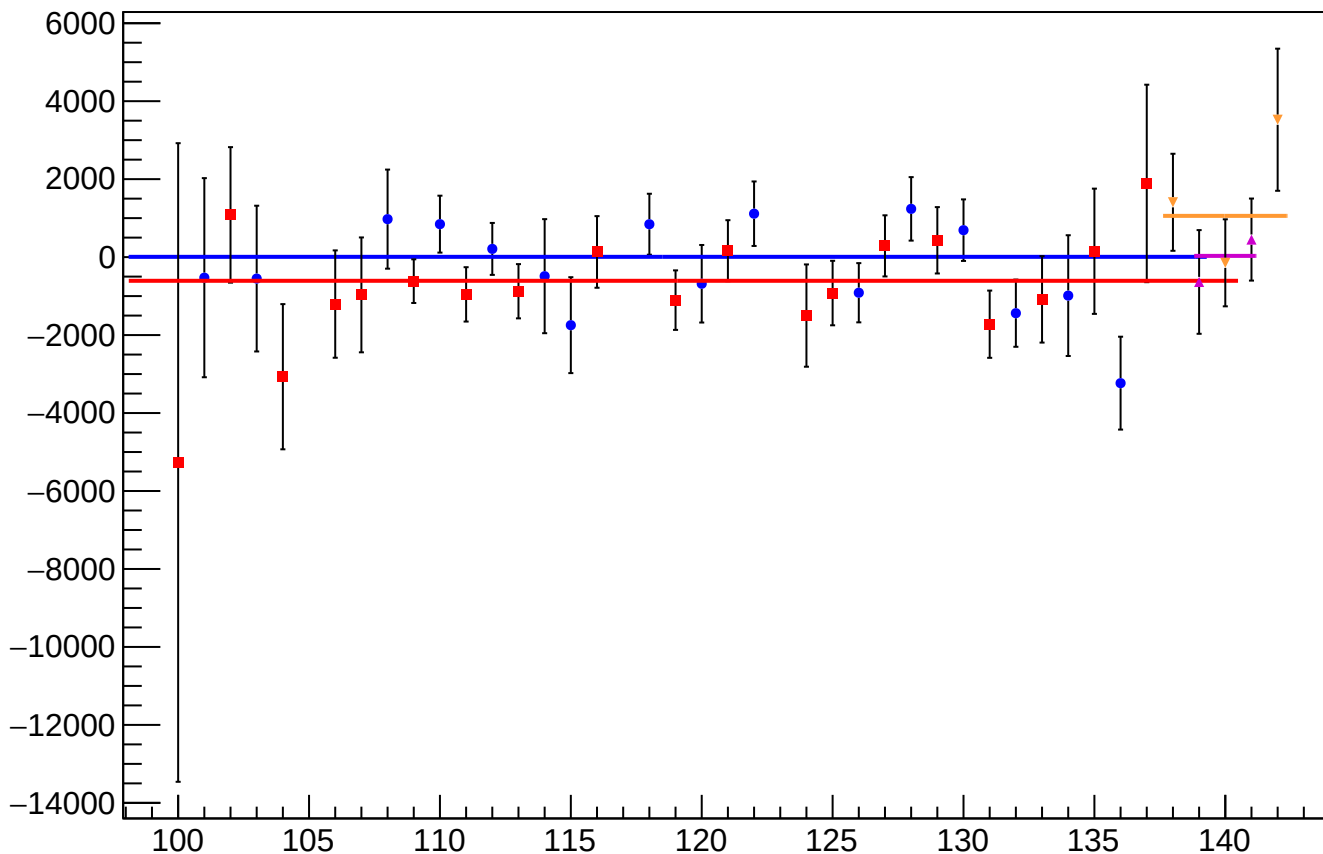
Left In: 2713.653 ± 1.458 χ^2/NDF : 28.0/1

+ sign 2797.040 ± 0.662 χ^2/NDF : 748828.6/18

All: 2795.121 ± 0.468 χ^2/NDF : 953132.6/39

- sign 2793.202 ± 0.662 χ^2/NDF : 204287.3/20

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049 ± 237.455 χ^2/NDF : 22.8/15

Left Out: 1058.026 ± 755.979 χ^2/NDF : 3.1/2

Right Out: -607.647 ± 217.094 χ^2/NDF : 12.2/18

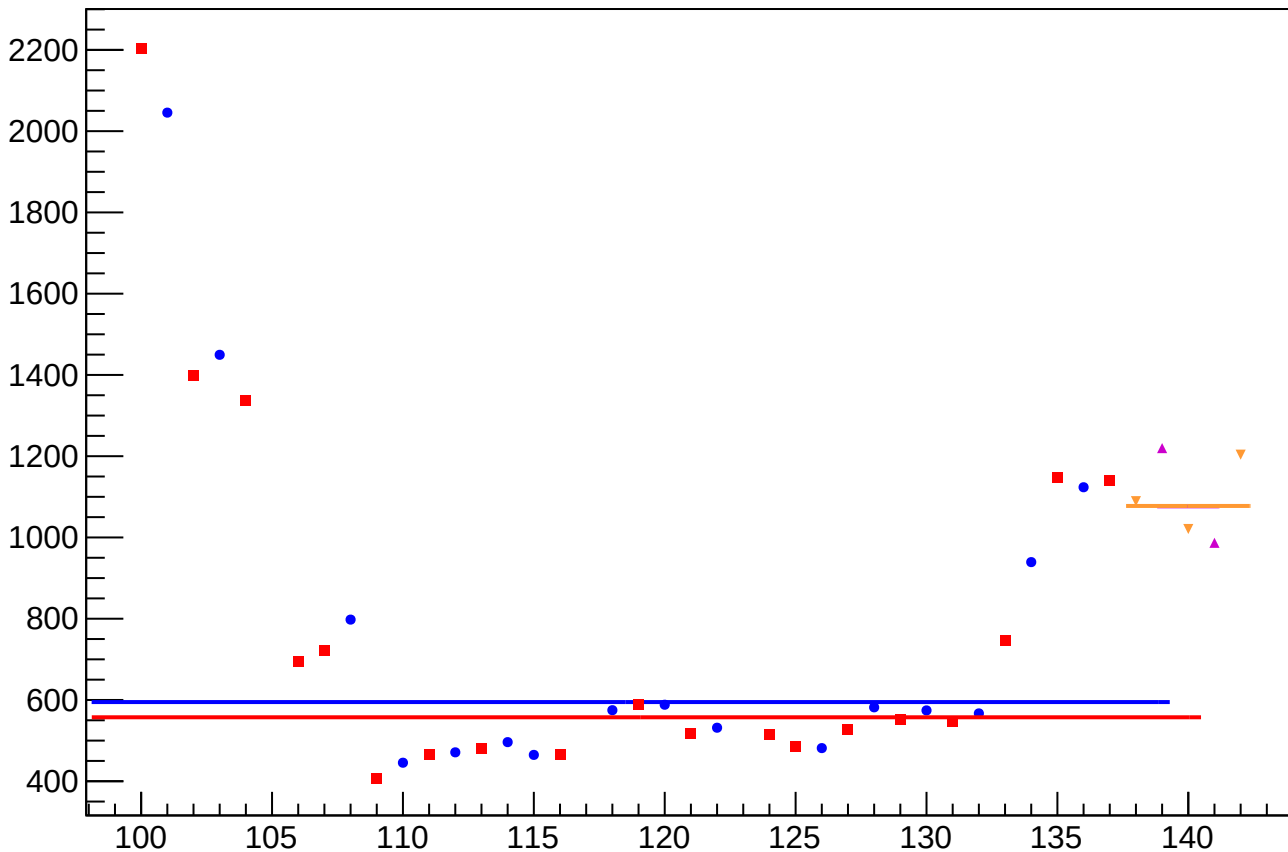
Left In: 31.401 ± 825.320 χ^2/NDF : 0.4/1

+ sign 101.427 ± 226.543 χ^2/NDF : 27.6/18

All: -257.776 ± 153.990 χ^2/NDF : 45.4/39

- sign -566.292 ± 209.952 χ^2/NDF : 13.1/20

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF : 1852649.9/15

Left Out: 1077.535+/-0.535 χ^2/NDF :14939.2/2

Right Out: 557.397+/-0.154 χ^2/NDF : 1631307.0/18

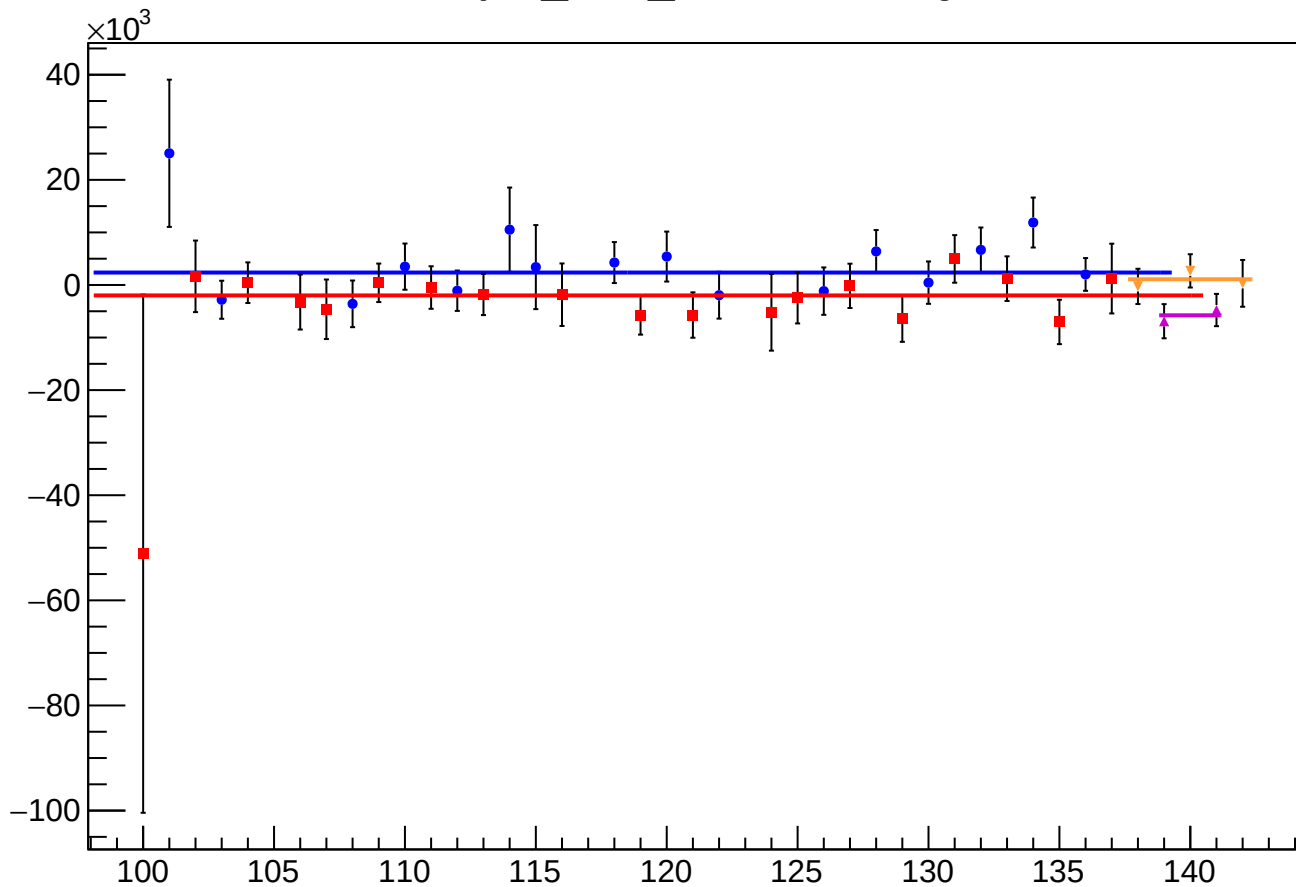
Left In: 1076.589+/-0.584 χ^2/NDF :37758.2/1

+ sign 638.203+/-0.160 χ^2/NDF : 2609685.1/18

All: 612.808+/-0.109 χ^2/NDF : 5065730.1/39

- sign 590.996+/-0.148 χ^2/NDF : 2409326.2/20

asym_atr1_mean vs Slug



Right In: 2367.173 $\pm$ 1106.203 χ^2 /NDF: 16.8/15

Left Out: 1084.969 $\pm$ 2044.050 χ^2 /NDF: 0.4/2

Right Out: -1987.039 $\pm$ 1075.310 χ^2 /NDF: 10.3/18

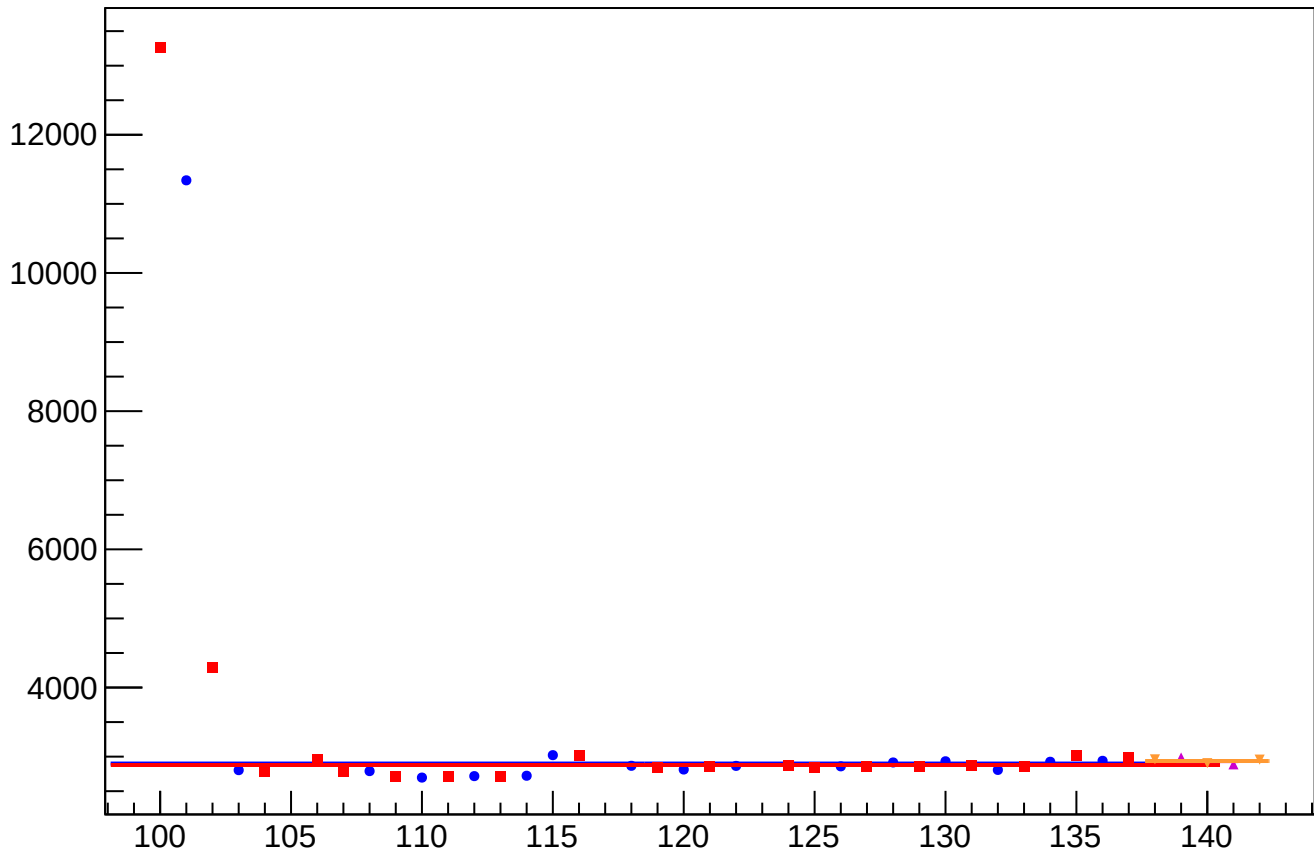
Left In: -5770.017 $\pm$ 2231.318 χ^2 /NDF: 0.2/1

+ sign 2076.713 $\pm$ 972.873 χ^2 /NDF: 17.6/18

All: -321.944 $\pm$ 686.442 χ^2 /NDF: 42.6/39

- sign -2700.026 $\pm$ 968.691 χ^2 /NDF: 12.9/20

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF : 741818.2/15

Left Out: 2936.638+/-1.445 χ^2/NDF :338.5/2

Right Out: 2878.957+/-0.760 χ^2/NDF : 193282.4/18

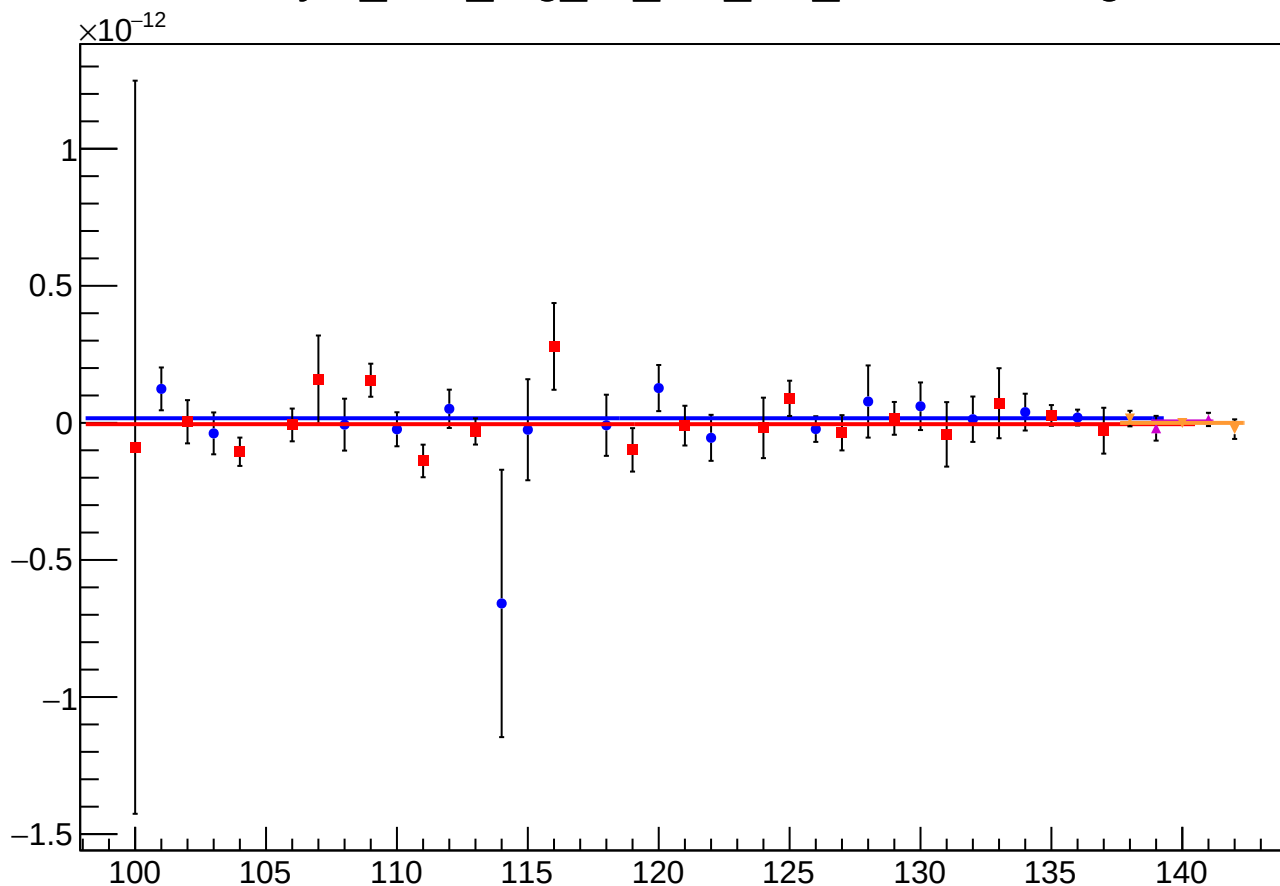
Left In: 2935.087+/-1.578 χ^2/NDF :986.2/1

+ sign 2908.166+/-0.688 χ^2/NDF : 742658.4/18

All: 2898.811+/-0.485 χ^2/NDF : 938322.5/39

- sign 2889.536+/-0.685 χ^2/NDF : 195295.8/20

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.7/18

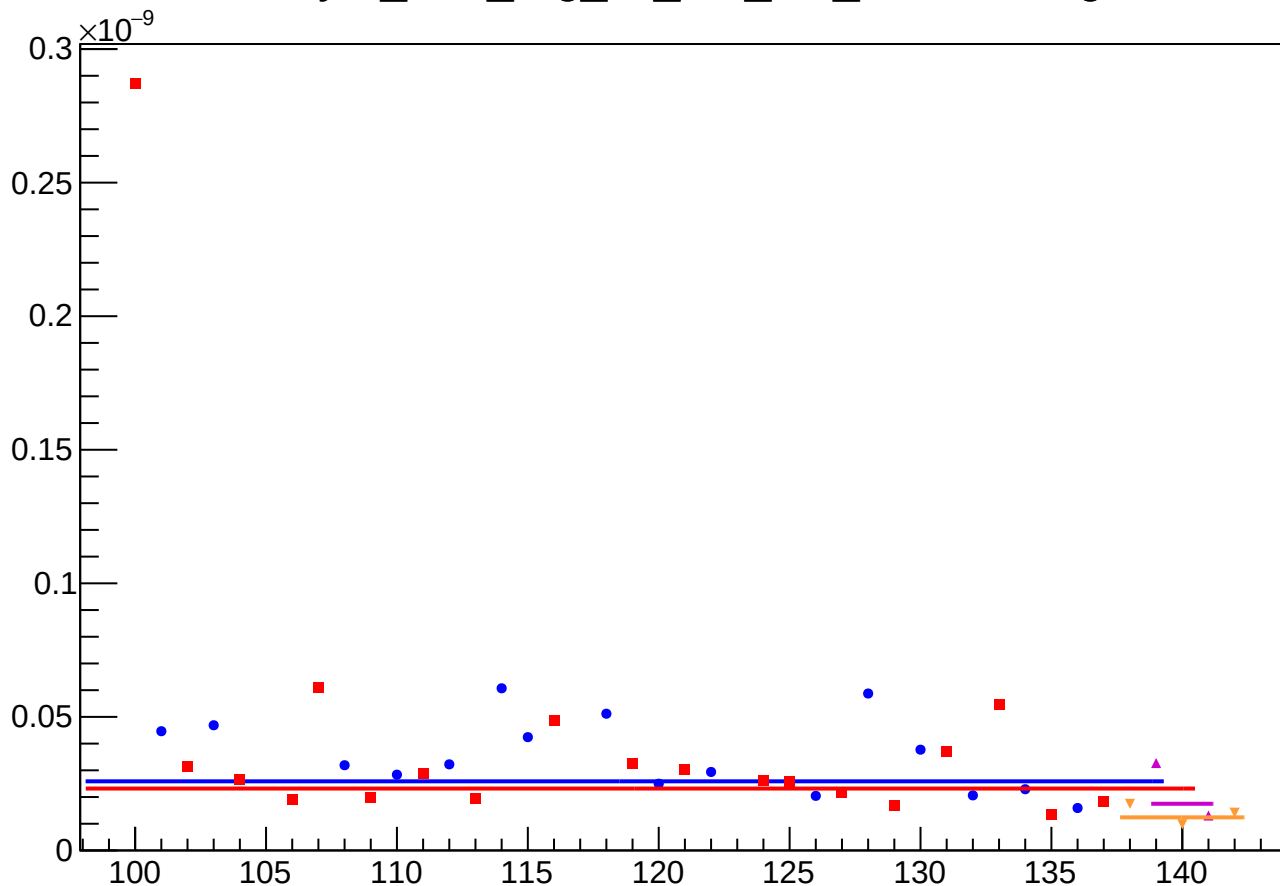
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.7/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.3/20

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 :107611.5/2

Right Out: 0.000+/-0.000 χ^2/NDF : 688853.9/18

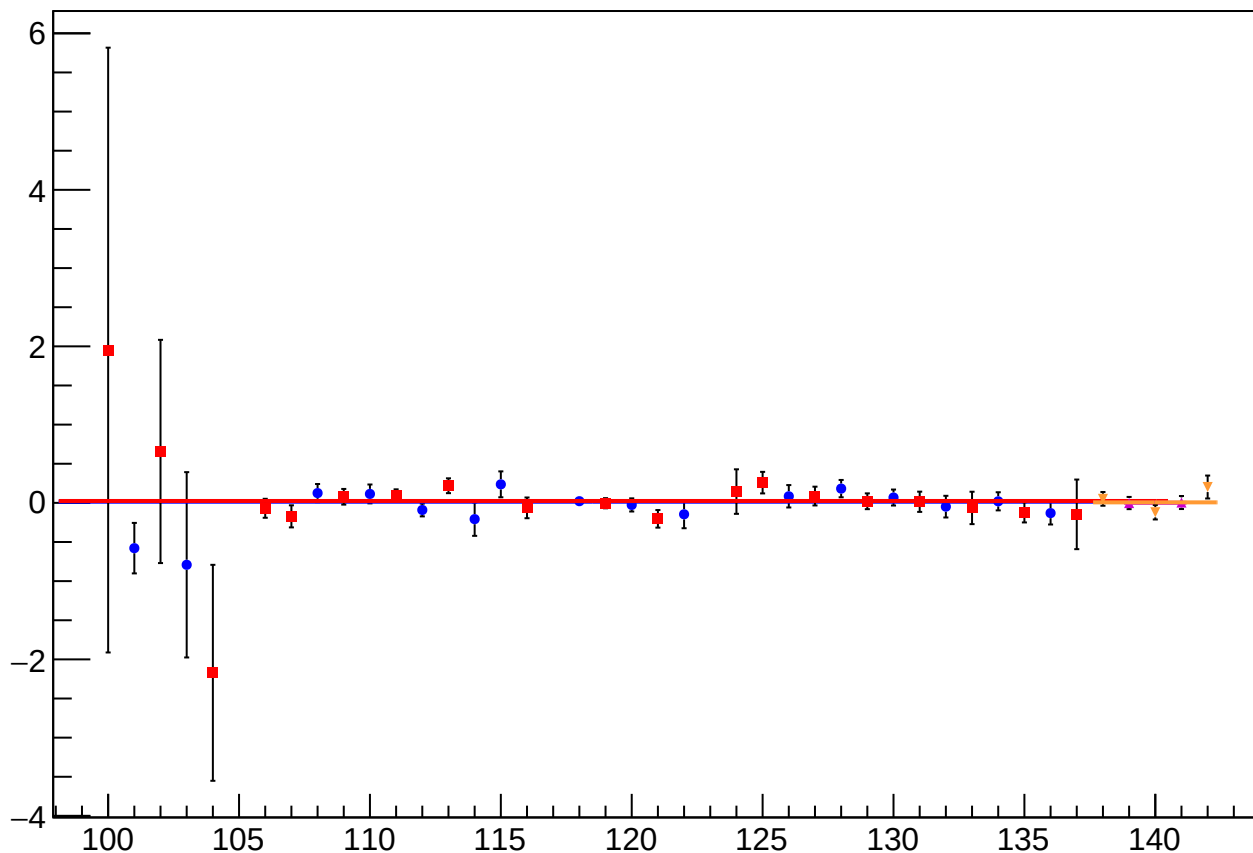
Left In: 0.000+/-0.000 χ^2/NDF :294447.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 1722677.3/18

All: 0.000+/-0.000 χ^2/NDF : 2872278.8/39

- sign 0.000+/-0.000 χ^2/NDF : 1075690.2/20

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.028 χ^2 /NDF: 15.0/15

Left Out: 0.006 $\pm$ 0.058 χ^2 /NDF: 3.9/2

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

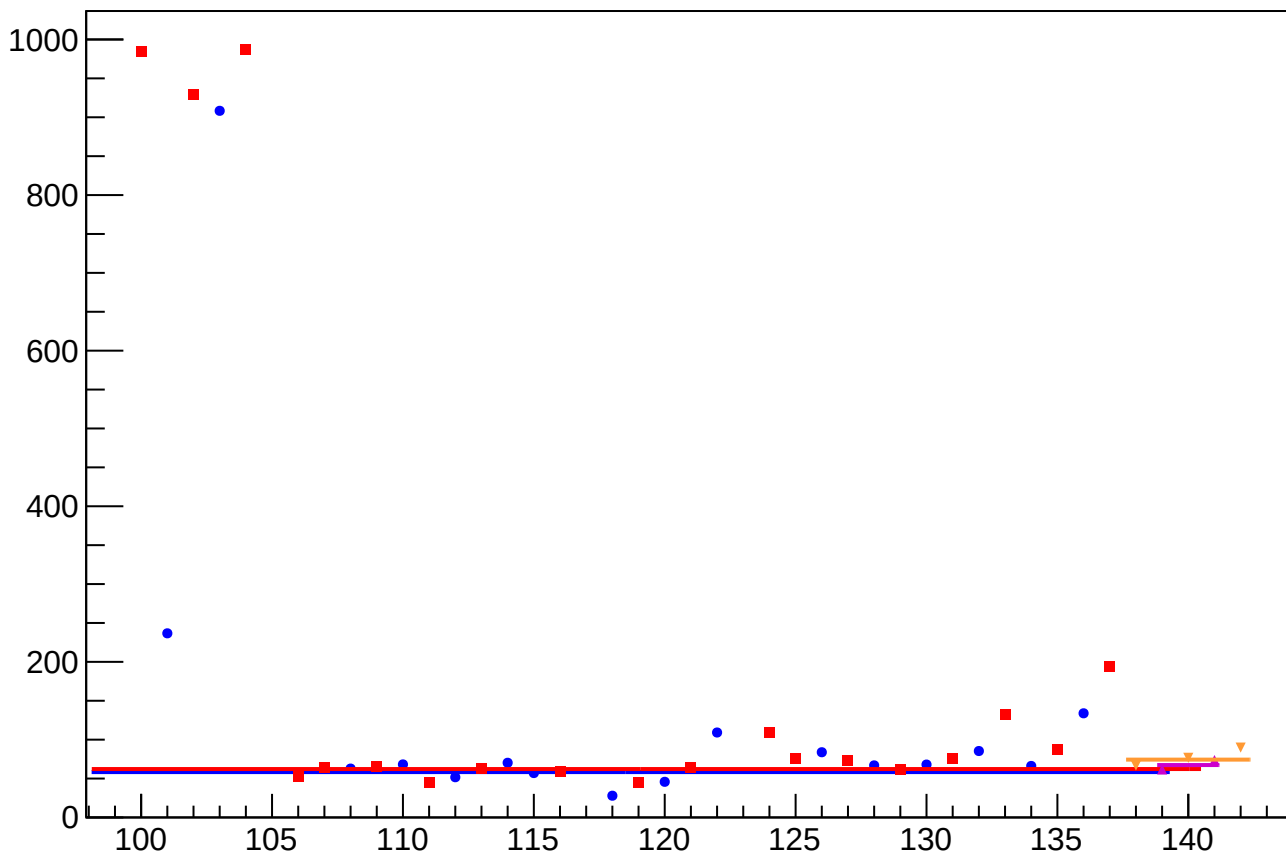
Left In: 0.001 $\pm$ 0.057 χ^2 /NDF: 0.0/1

+ sign 0.013 $\pm$ 0.025 χ^2 /NDF: 19.0/18

All: 0.017 $\pm$ 0.018 χ^2 /NDF: 40.0/39

- sign 0.020 $\pm$ 0.025 χ^2 /NDF: 20.9/20

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313 $\pm$ 0.020 χ^2 /NDF: 3260404.3/15

Left Out: 74.336 $\pm$ 0.041 χ^2 /NDF: 38914.6/2

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627030.1/18

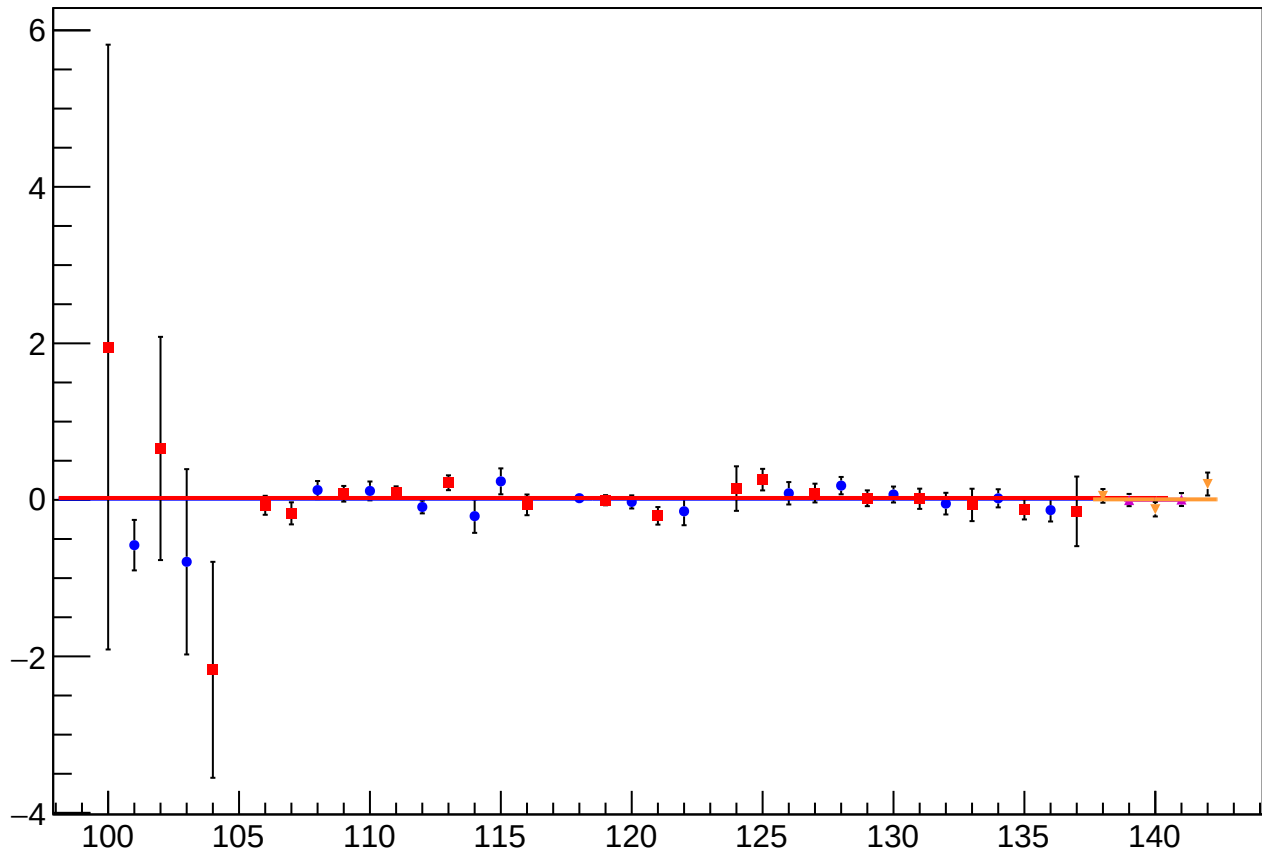
Left In: 67.369 $\pm$ 0.040 χ^2 /NDF: 22598.2/1

+ sign 61.290 $\pm$ 0.018 χ^2 /NDF: 3422489.5/18

All: 62.262 $\pm$ 0.013 χ^2 /NDF: 6091210.2/39

- sign 63.237 $\pm$ 0.018 χ^2 /NDF: 2662717.4/20

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.028 χ^2 /NDF: 15.0/15

Left Out: 0.006 $\pm$ 0.058 χ^2 /NDF: 3.9/2

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

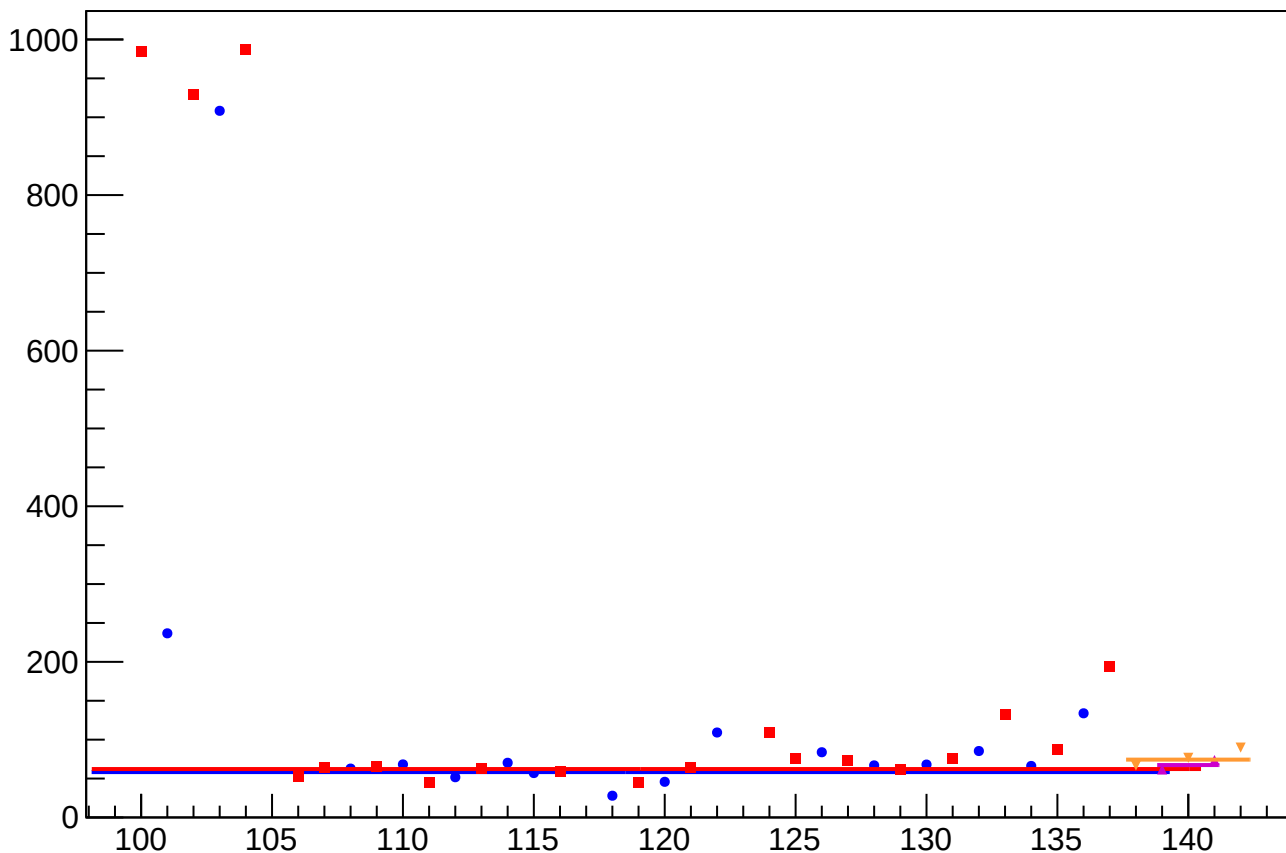
Left In: 0.001 $\pm$ 0.057 χ^2 /NDF: 0.0/1

+ sign 0.013 $\pm$ 0.025 χ^2 /NDF: 19.0/18

All: 0.017 $\pm$ 0.018 χ^2 /NDF: 40.0/39

- sign 0.020 $\pm$ 0.025 χ^2 /NDF: 20.9/20

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: 74.336 $\pm$ 0.041 χ^2 /NDF: 38914.6/2

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627030.1/18

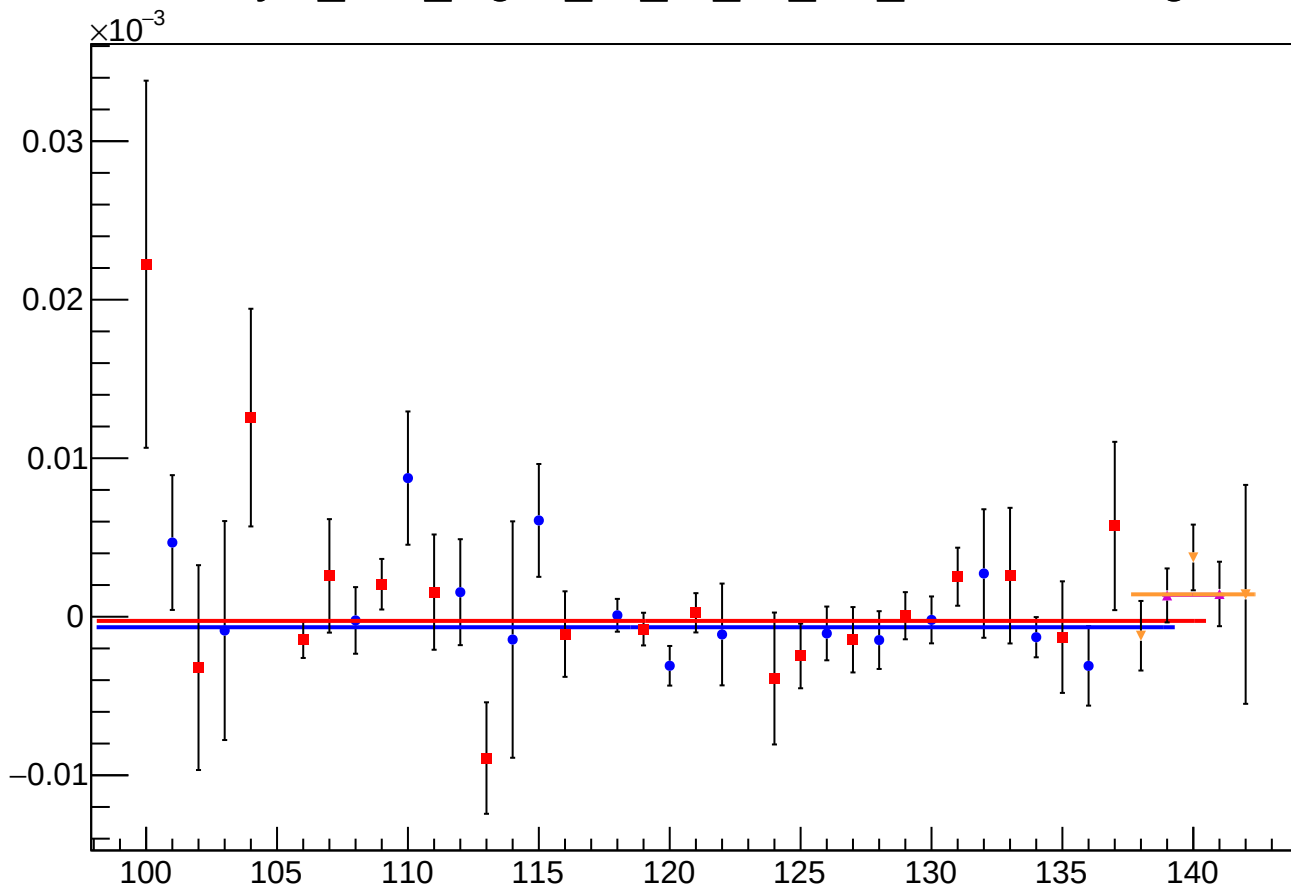
Left In: 67.369 $\pm$ 0.040 χ^2 /NDF: 22598.2/1

+ sign 61.290 $\pm$ 0.018 χ^2 /NDF: 3422489.5/18

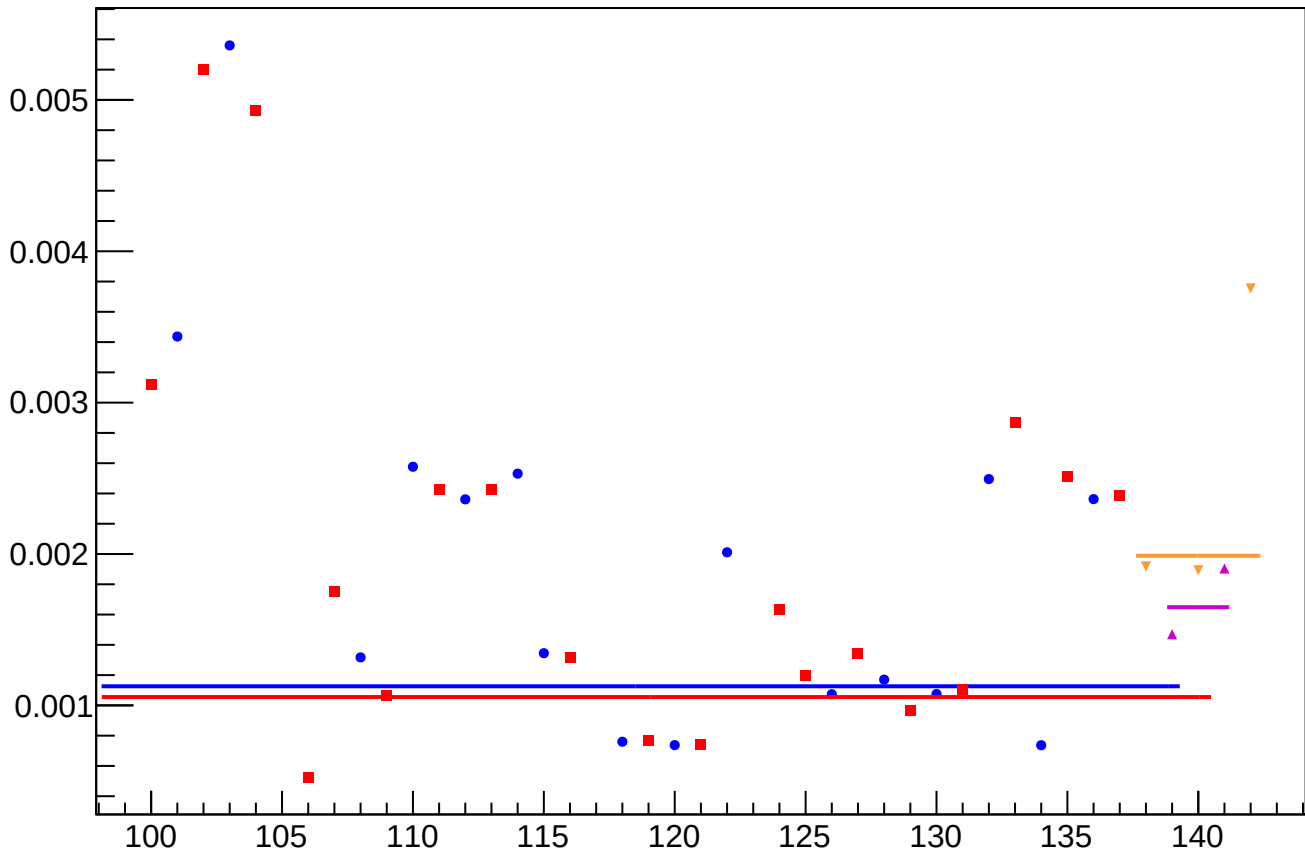
All: 62.262 $\pm$ 0.013 χ^2 /NDF: 6091210.2/39

- sign 63.237 $\pm$ 0.018 χ^2 /NDF: 2662717.4/20

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3453081.7/15

Left Out: 0.002+/-0.000 χ^2/NDF :137176.7/2

Right Out: 0.001+/-0.000 χ^2/NDF : 3848500.2/18

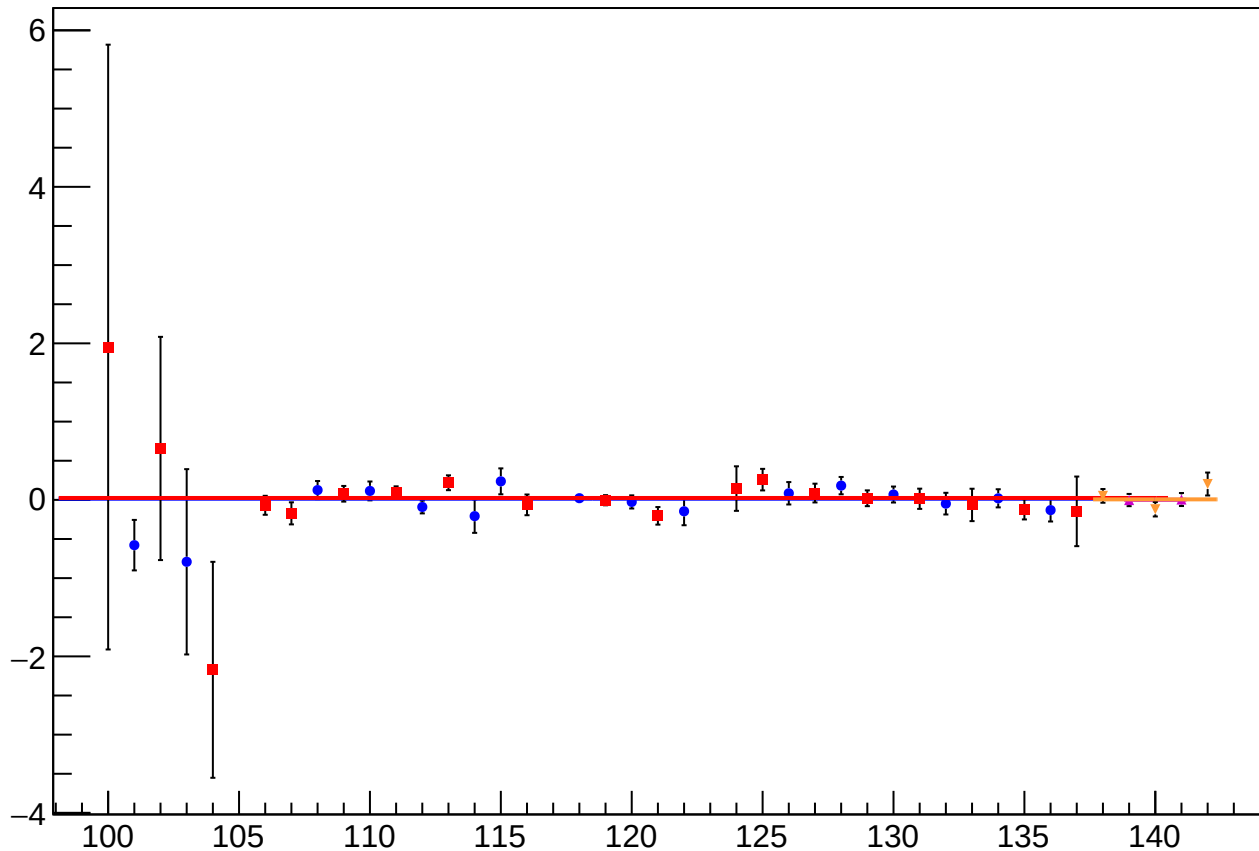
Left In: 0.002+/-0.000 χ^2/NDF :53649.6/1

+ sign 0.001+/-0.000 χ^2/NDF : 4208571.4/18

All: 0.001+/-0.000 χ^2/NDF : 8518319.2/39

- sign 0.001+/-0.000 χ^2/NDF : 4269611.0/20

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.028 χ^2 /NDF: 15.0/15

Left Out: 0.006 $\pm$ 0.058 χ^2 /NDF: 3.9/2

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

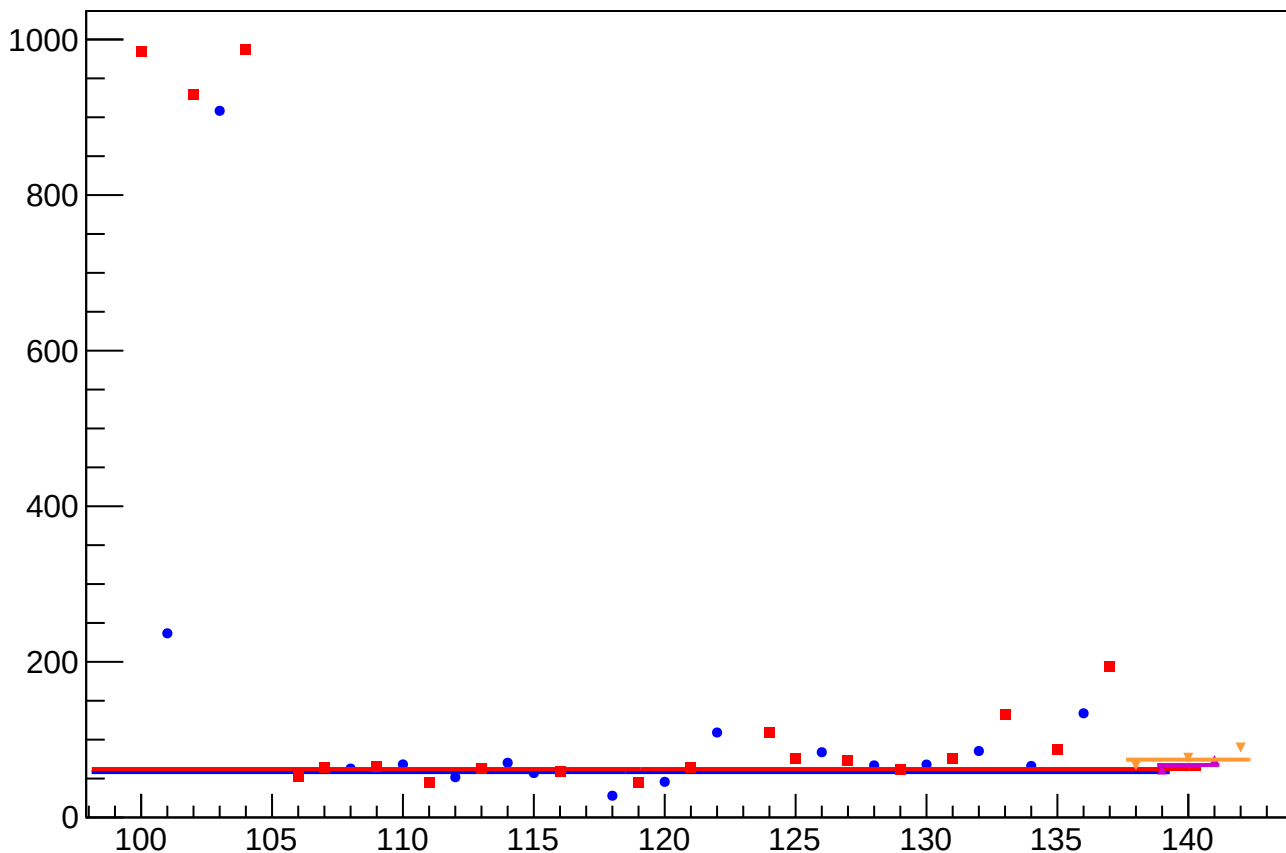
Left In: 0.001 $\pm$ 0.057 χ^2 /NDF: 0.0/1

+ sign 0.013 $\pm$ 0.025 χ^2 /NDF: 19.0/18

All: 0.017 $\pm$ 0.018 χ^2 /NDF: 40.0/39

- sign 0.020 $\pm$ 0.025 χ^2 /NDF: 20.9/20

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312 ± 0.020 χ^2/NDF : 3260484.2/15

Left Out: 74.336 ± 0.041 χ^2/NDF : 38919.9/2

Right Out: 62.235 ± 0.020 χ^2/NDF : 2627022.3/18

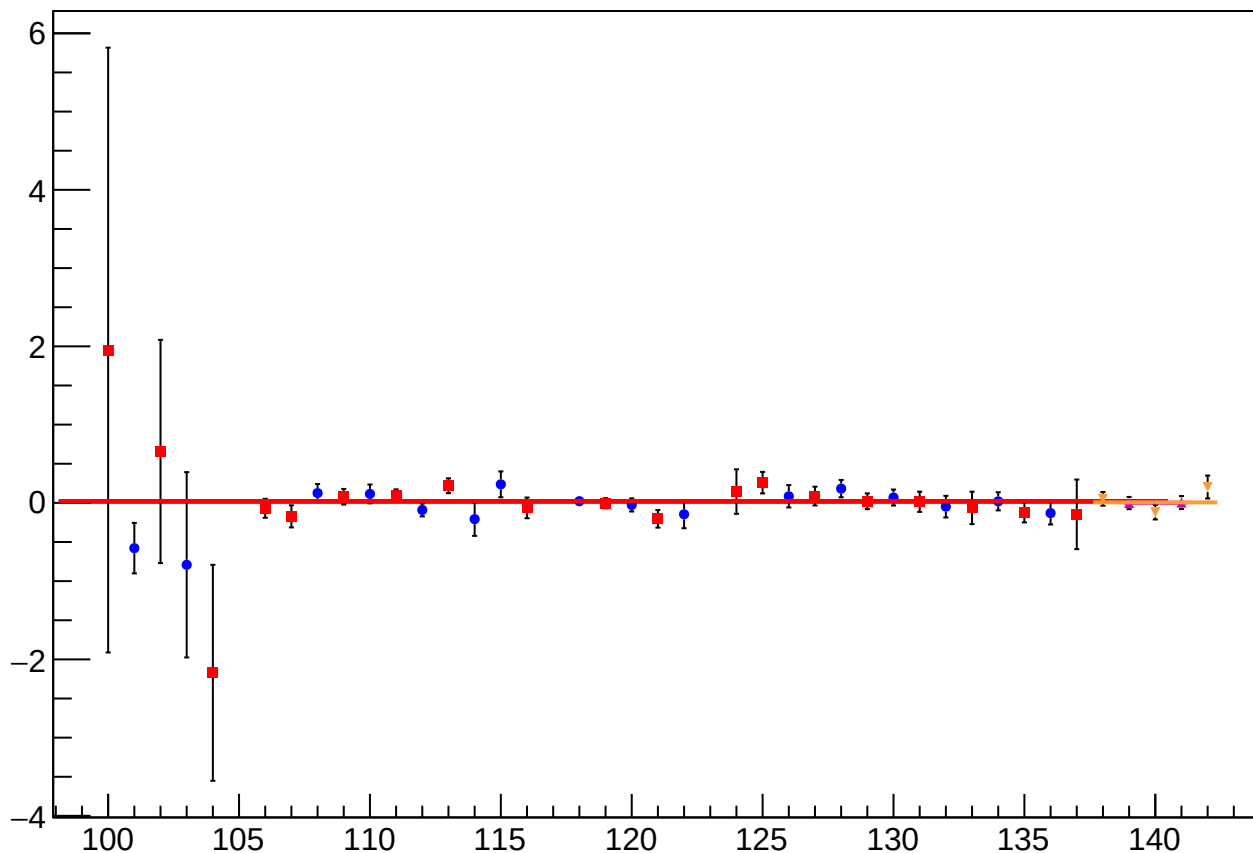
Left In: 67.370 ± 0.040 χ^2/NDF : 22591.2/1

+ sign 61.289 ± 0.018 χ^2/NDF : 3422584.2/18

All: 62.262 ± 0.013 χ^2/NDF : 6091298.1/39

- sign 63.237 ± 0.018 χ^2/NDF : 2662706.2/20

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: 0.006 $\pm$ 0.058 χ^2 /NDF:3.9/2

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

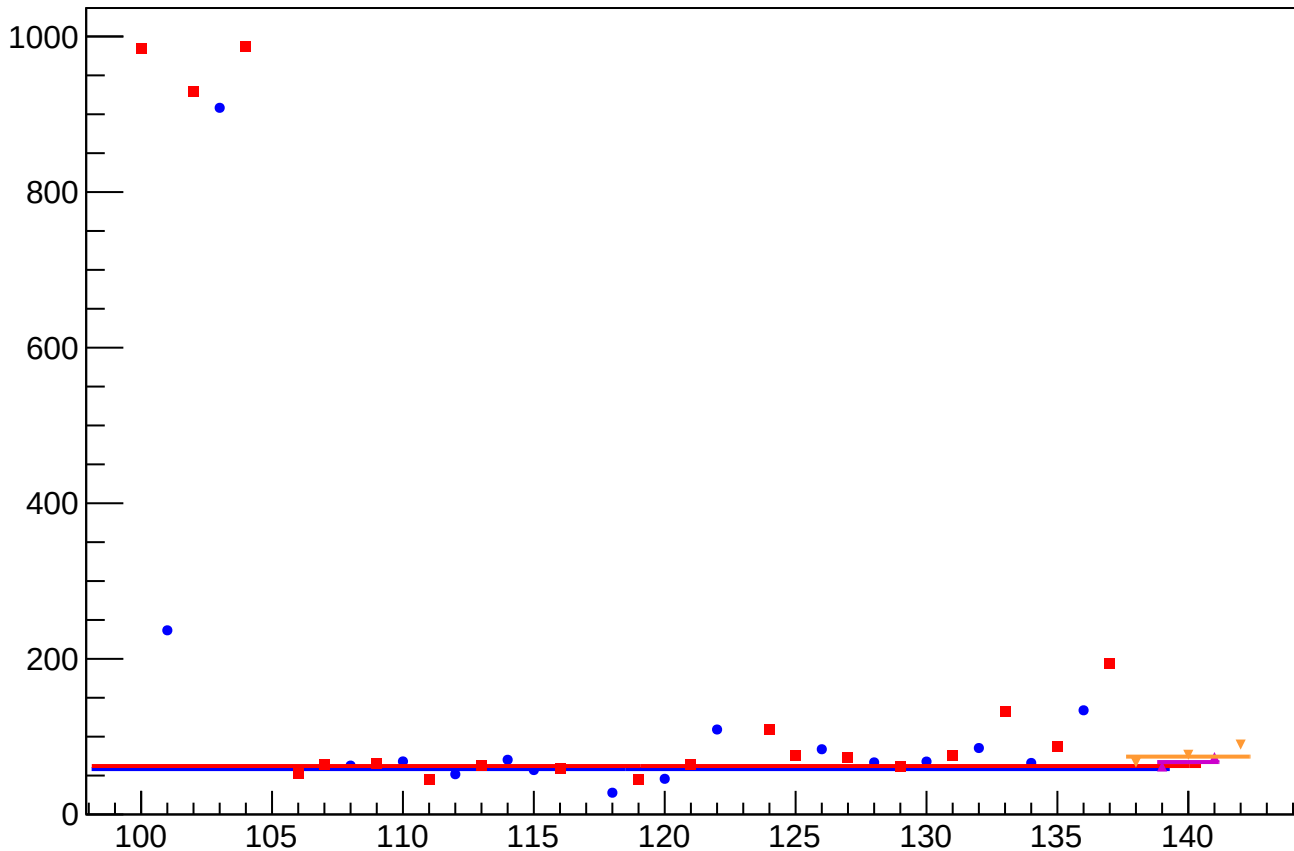
Left In: 0.001 $\pm$ 0.057 χ^2 /NDF:0.0/1

+ sign 0.013 $\pm$ 0.025 χ^2 /NDF: 19.0/18

All: 0.017 $\pm$ 0.018 χ^2 /NDF: 40.0/39

- sign 0.020 $\pm$ 0.025 χ^2 /NDF: 20.9/20

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.312 ± 0.020 χ^2/NDF : 3260484.2/15

Left Out: 74.336 ± 0.041 χ^2/NDF : 38919.9/2

Right Out: 62.235 ± 0.020 χ^2/NDF : 2627022.3/18

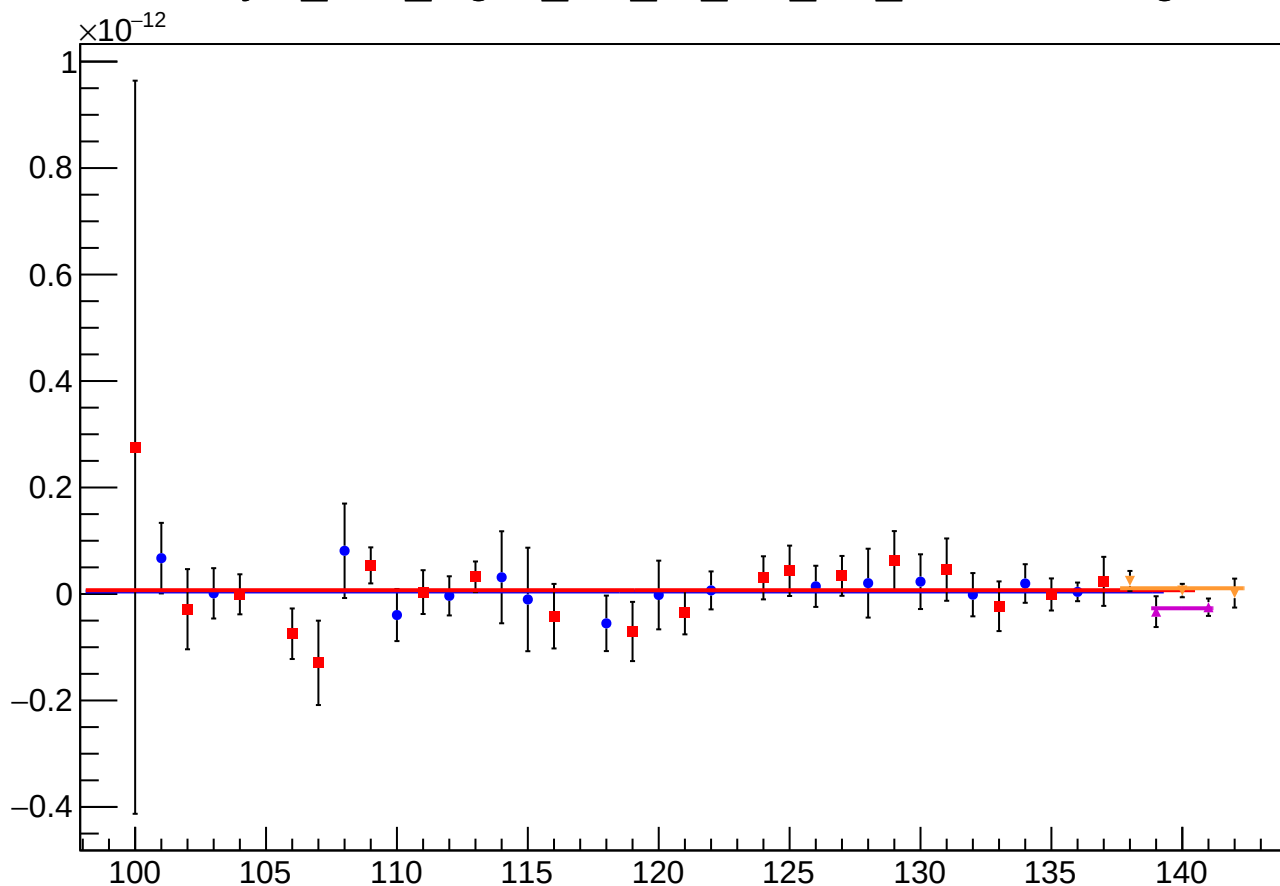
Left In: 67.370 ± 0.040 χ^2/NDF : 22591.2/1

+ sign 61.289 ± 0.018 χ^2/NDF : 3422584.2/18

All: 62.262 ± 0.013 χ^2/NDF : 6091298.1/39

- sign 63.237 ± 0.018 χ^2/NDF : 2662706.2/20

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 : 0.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 16.1/18

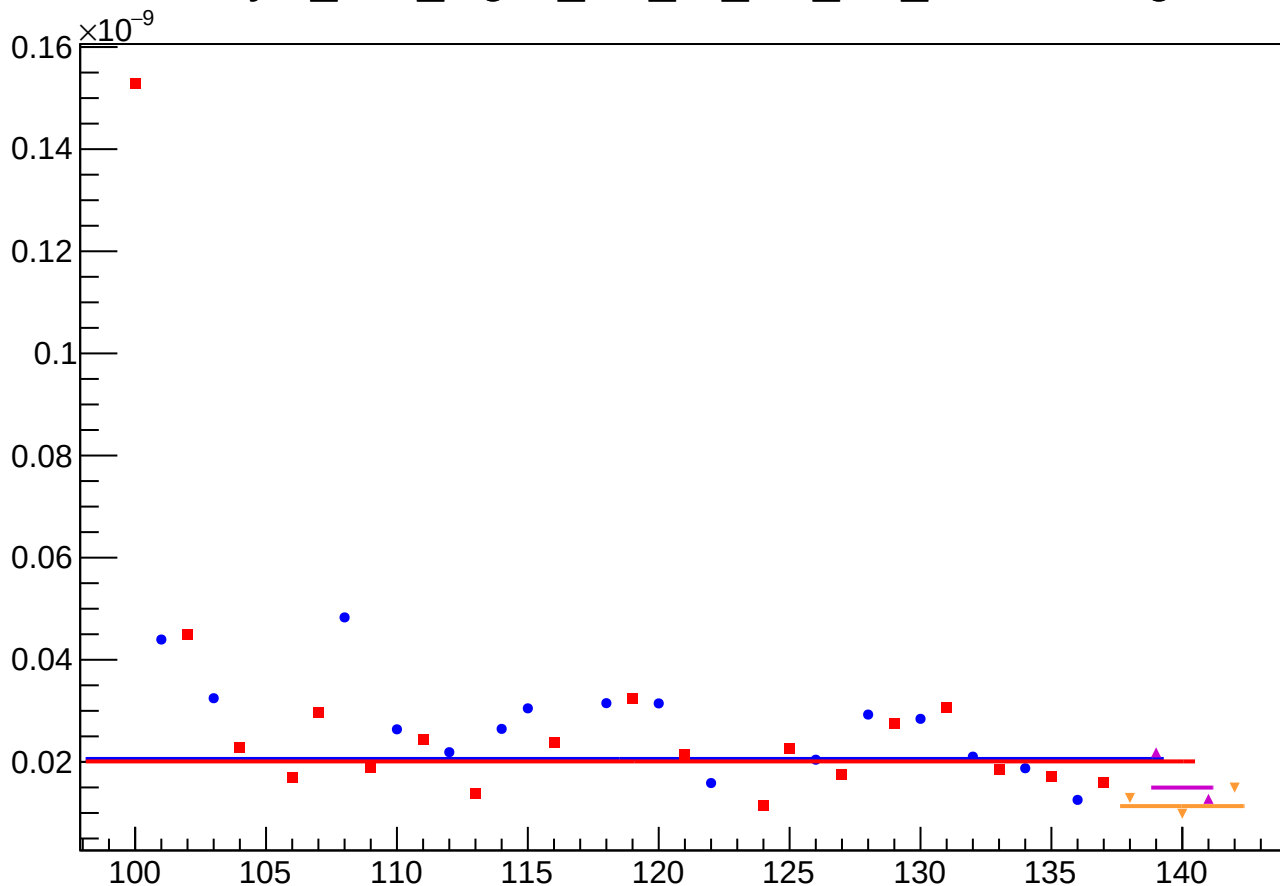
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5.4/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 26.6/39

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 20.0/20

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1319631.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 78194.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 812191.2/18

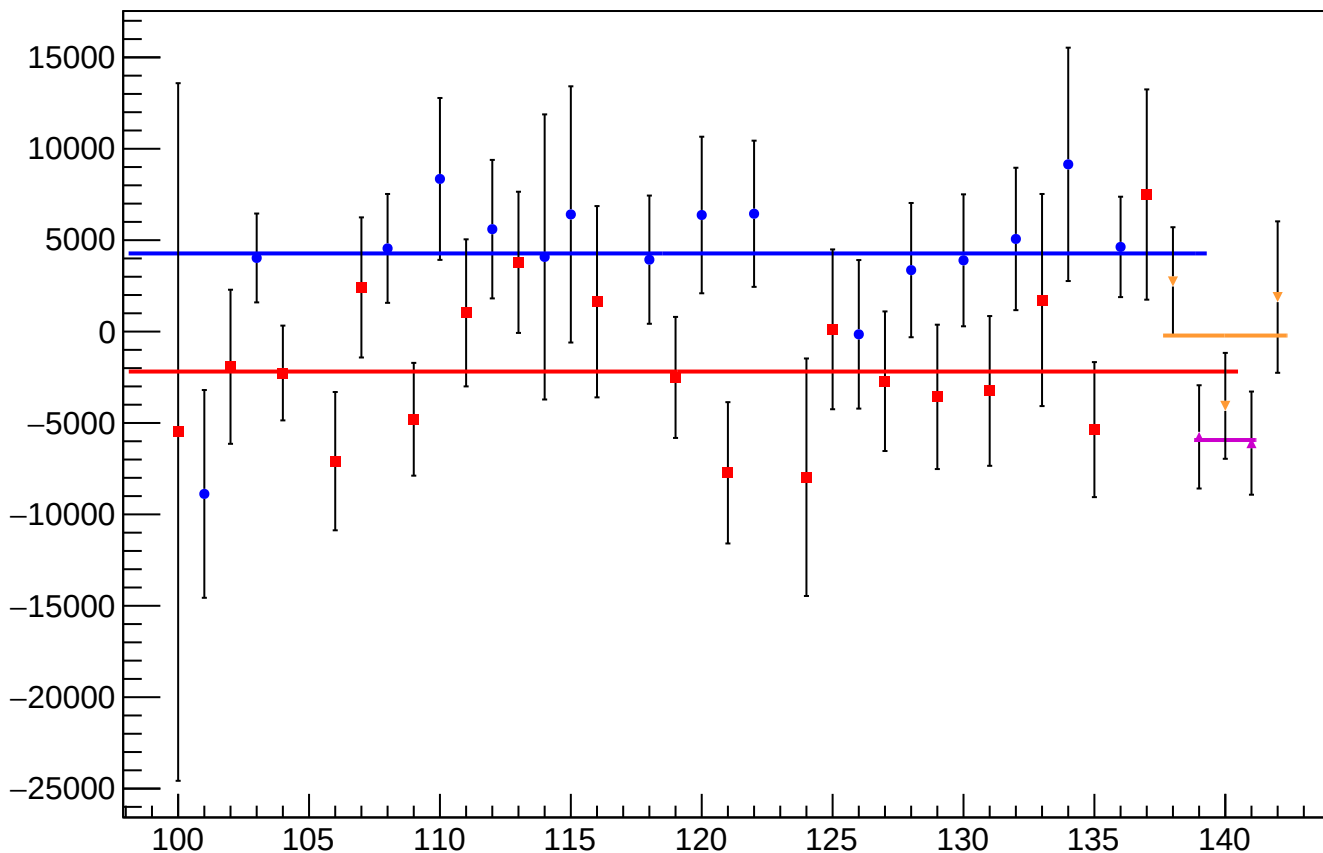
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 149975.5/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2249533.0/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 3502792.3/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1134622.6/20

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF : 8.9/15

Left Out: -216.851+/-1853.785 χ^2/NDF : 3.0/2

Right Out: -2186.264+/-922.104 χ^2/NDF : 14.8/18

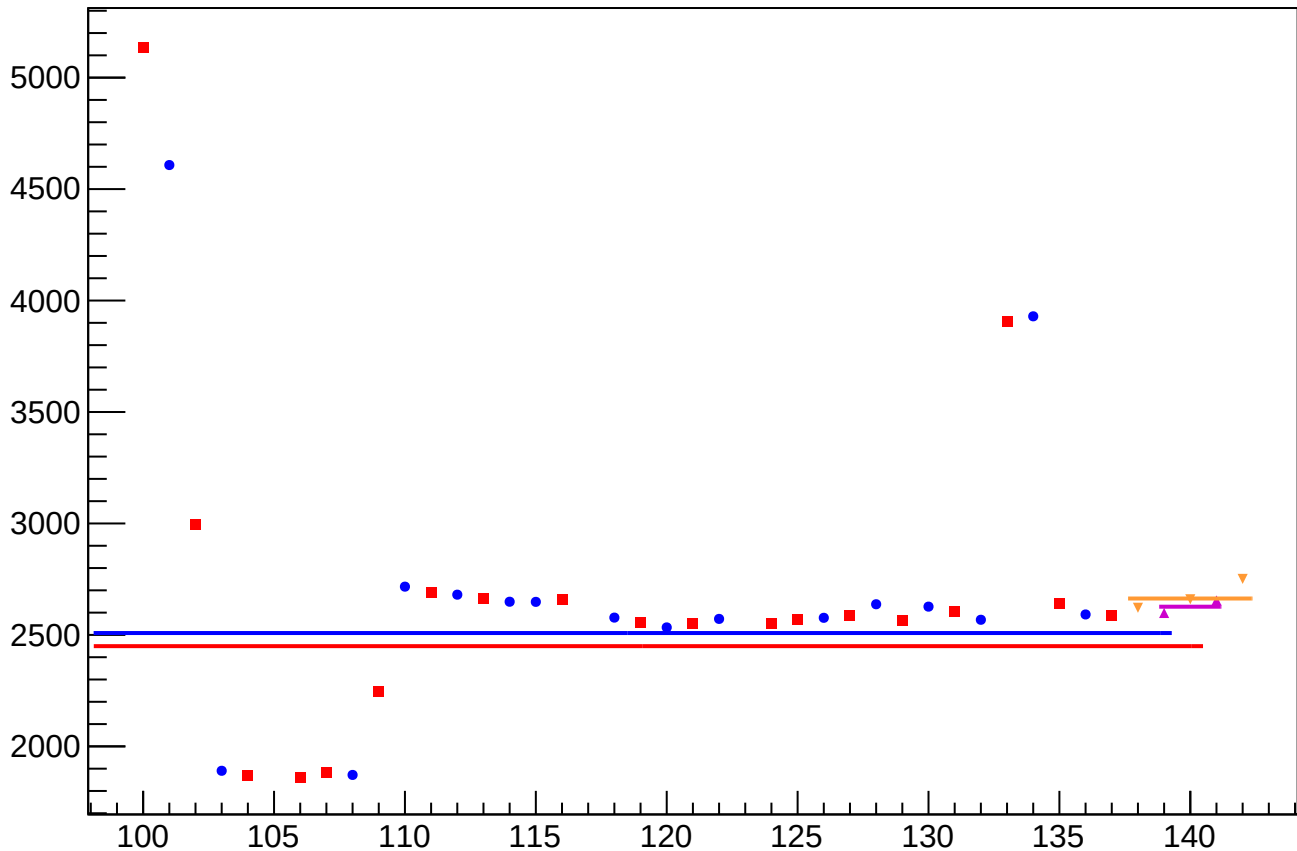
Left In: -5931.468+/-1996.151 χ^2/NDF : 0.0/1

+ sign 3337.184+/-846.826 χ^2/NDF : 16.5/18

All: 210.451+/-595.330 χ^2/NDF : 61.2/39

- sign -2844.904+/-837.105 χ^2/NDF : 17.7/20

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF : 611589.6/15

Left Out: 2663.331+/-1.311 χ^2/NDF :1295.6/2

Right Out: 2449.623+/-0.652 χ^2/NDF : 436901.0/18

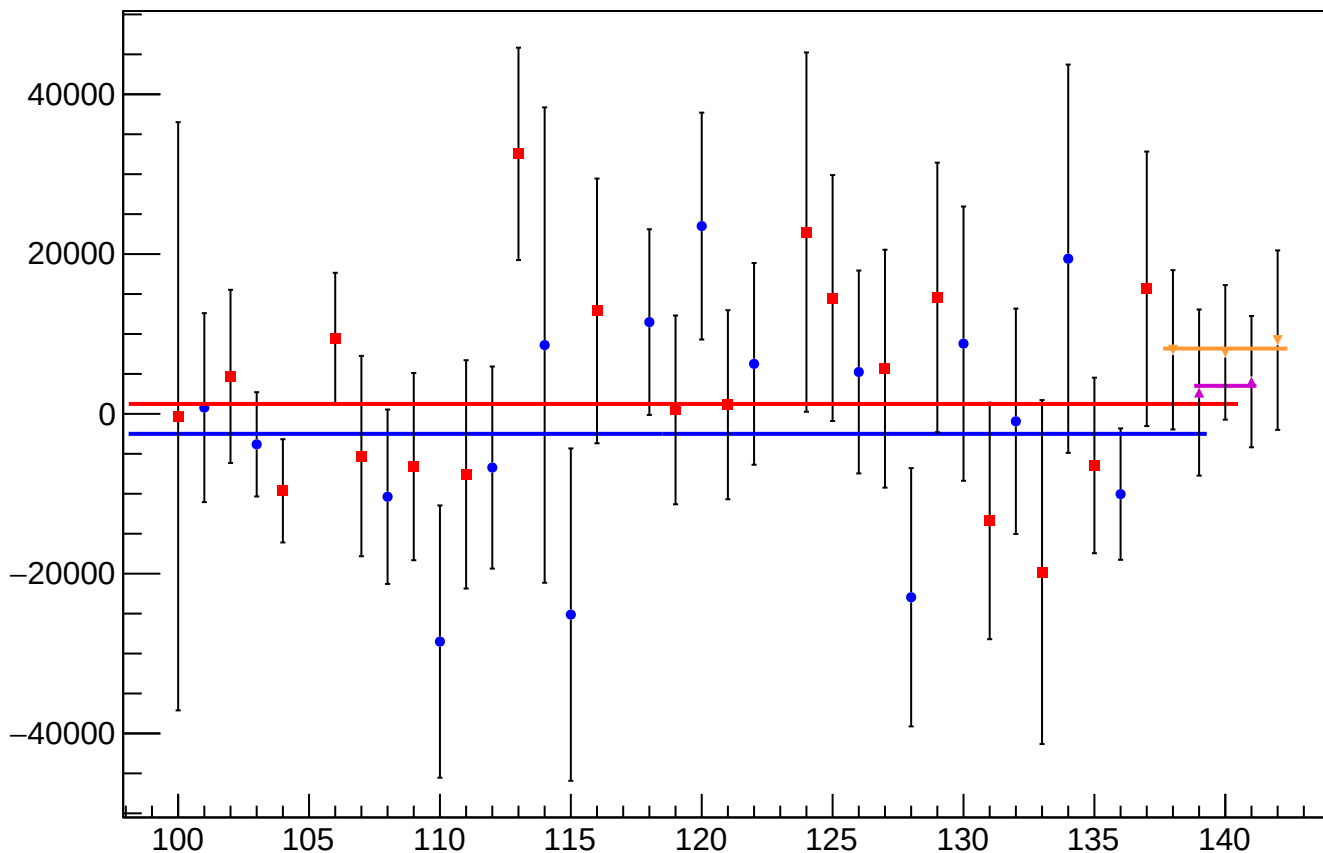
Left In: 2626.598+/-1.411 χ^2/NDF :396.4/1

+ sign 2540.783+/-0.599 χ^2/NDF : 623930.3/18

All: 2510.418+/-0.421 χ^2/NDF : 1079268.0/39

- sign 2480.746+/-0.592 χ^2/NDF : 450253.3/20

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602 ± 3075.580 χ^2/NDF : 13.8/15

Left Out: 8174.869 ± 5582.781 χ^2/NDF : 0.0/2

Right Out: 1244.352 ± 2852.739 χ^2/NDF : 16.6/18

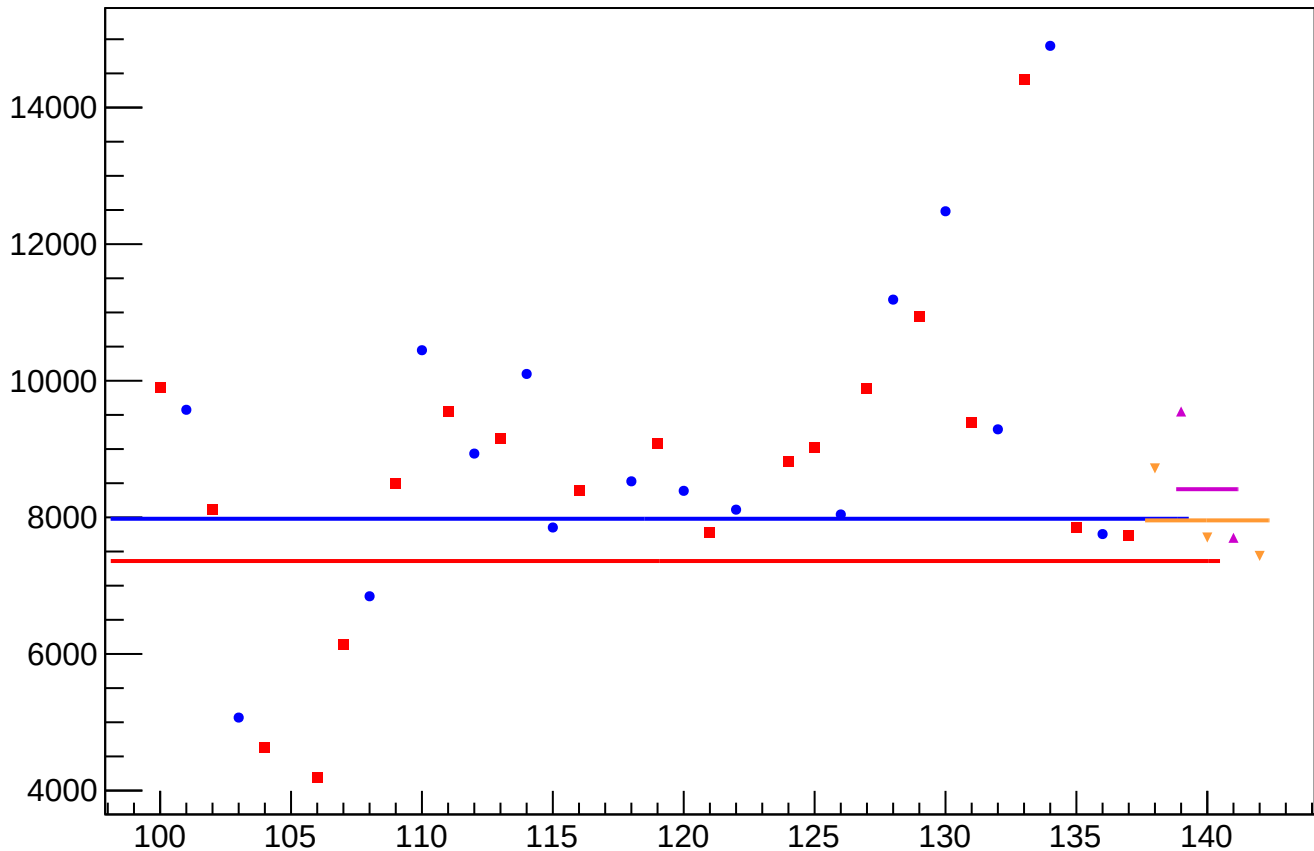
Left In: 3509.518 ± 6447.819 χ^2/NDF : 0.0/1

+ sign -15.008 ± 2693.842 χ^2/NDF : 16.6/18

All: 826.215 ± 1874.047 χ^2/NDF : 33.5/39

- sign 1615.168 ± 2608.808 χ^2/NDF : 16.7/20

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488 $\pm$ 2.175 χ^2 /NDF: 923083.9/15

Left Out: 7955.824 $\pm$ 3.948 χ^2 /NDF:17719.5/2

Right Out: 7360.741 $\pm$ 2.017 χ^2 /NDF: 1286008.5/18

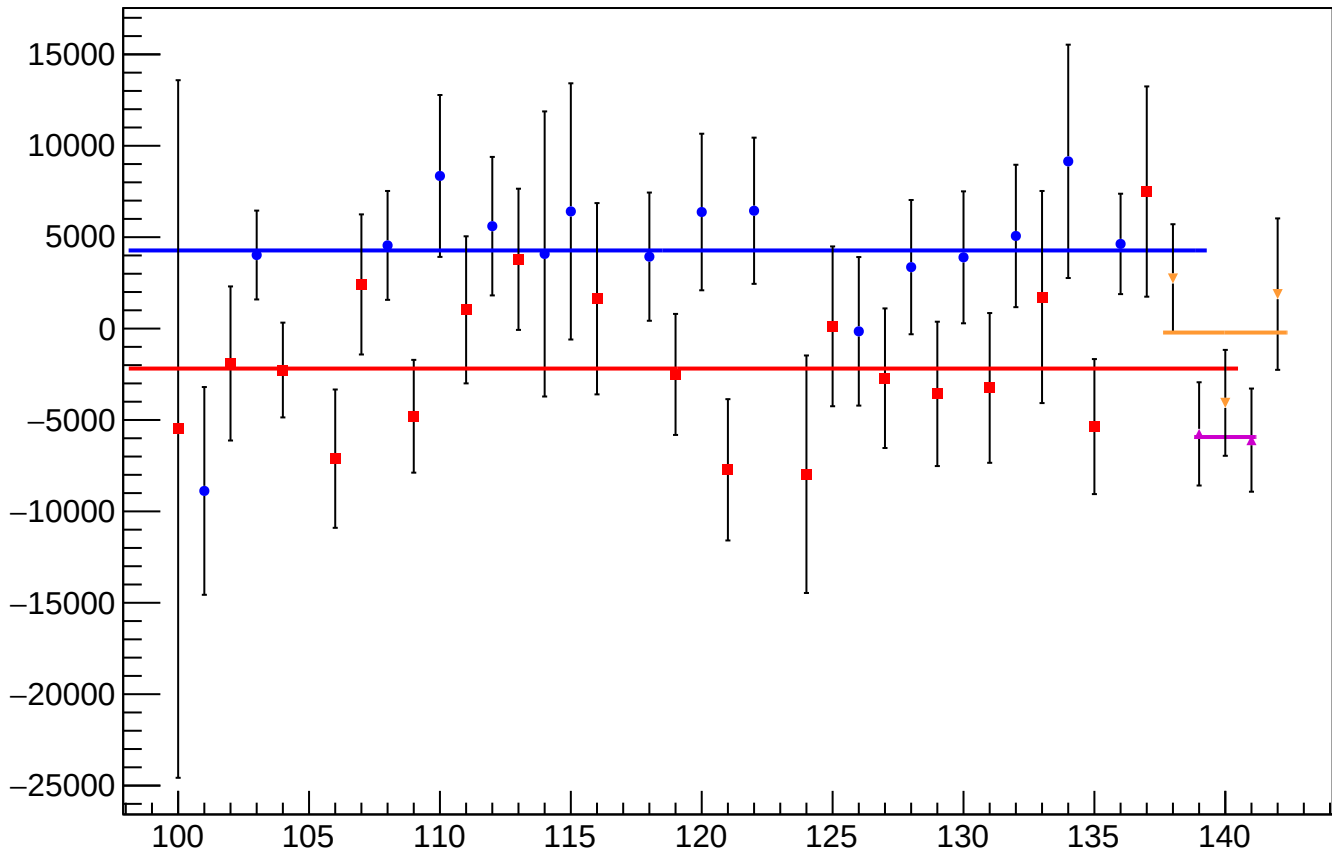
Left In: 8412.399 $\pm$ 4.559 χ^2 /NDF:38934.3/1

+ sign 7973.978 $\pm$ 1.905 χ^2 /NDF: 940830.9/18

All: 7746.368 $\pm$ 1.325 χ^2 /NDF: 2337937.7/39

- sign 7532.901 $\pm$ 1.845 χ^2 /NDF: 1369438.0/20

cor_asym_atr2_mean vs Slug



Right In: 4273.903 $\pm$ 951.956 χ^2 /NDF: 8.9/15

Left Out: -217.199 $\pm$ 1853.785 χ^2 /NDF:3.0/2

Right Out: -2186.887 $\pm$ 922.111 χ^2 /NDF: 14.8/18

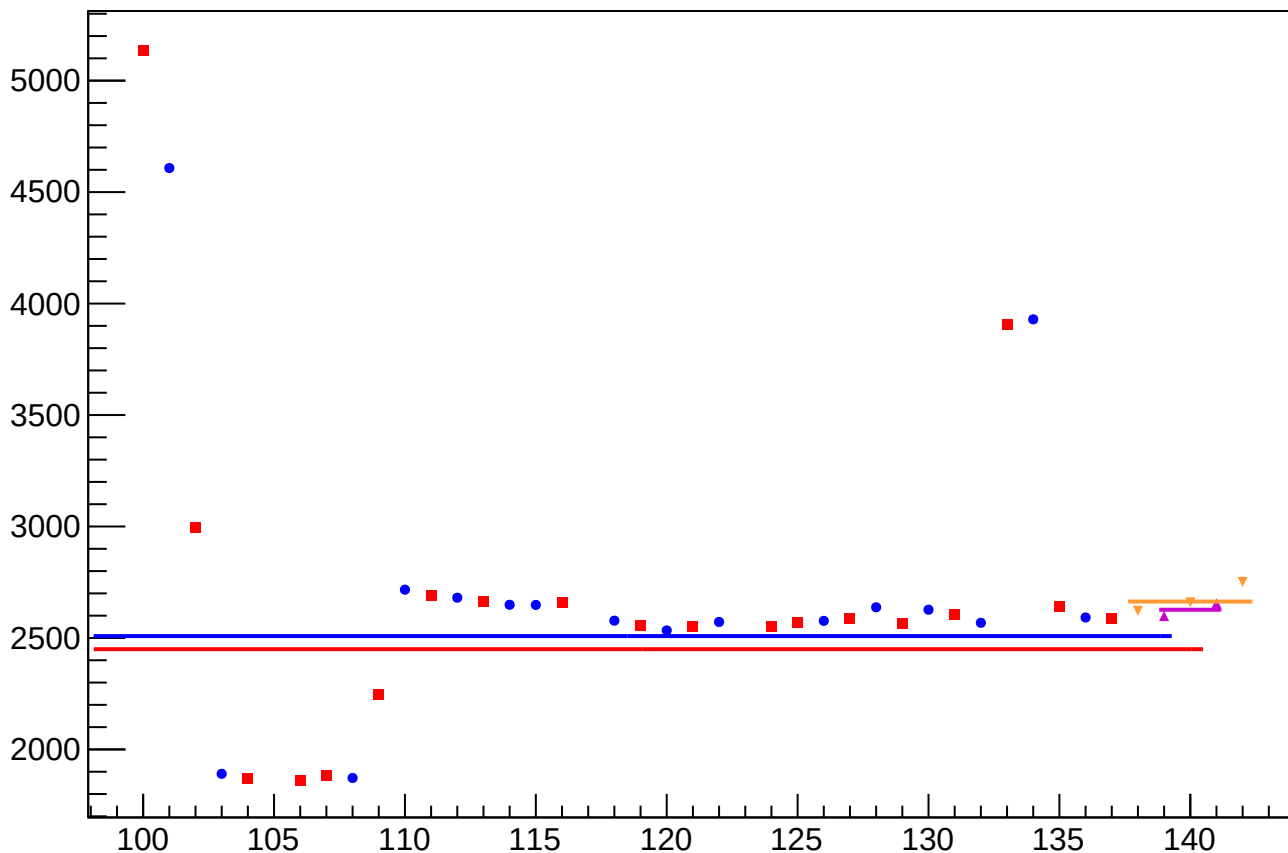
Left In: -5931.730 $\pm$ 1996.151 χ^2 /NDF:0.0/1

+ sign 3336.723 $\pm$ 846.826 χ^2 /NDF: 16.5/18

All: 209.956 $\pm$ 595.332 χ^2 /NDF: 61.2/39

- sign -2845.472 $\pm$ 837.110 χ^2 /NDF: 17.7/20

cor_asym_atr2_rms vs Slug



Right In: 2508.467±/0.673 χ^2/NDF : 611587.4/15

Left Out: 2663.331±/1.311 χ^2/NDF :1295.6/2

Right Out: 2449.647±/0.652 χ^2/NDF : 436846.6/18

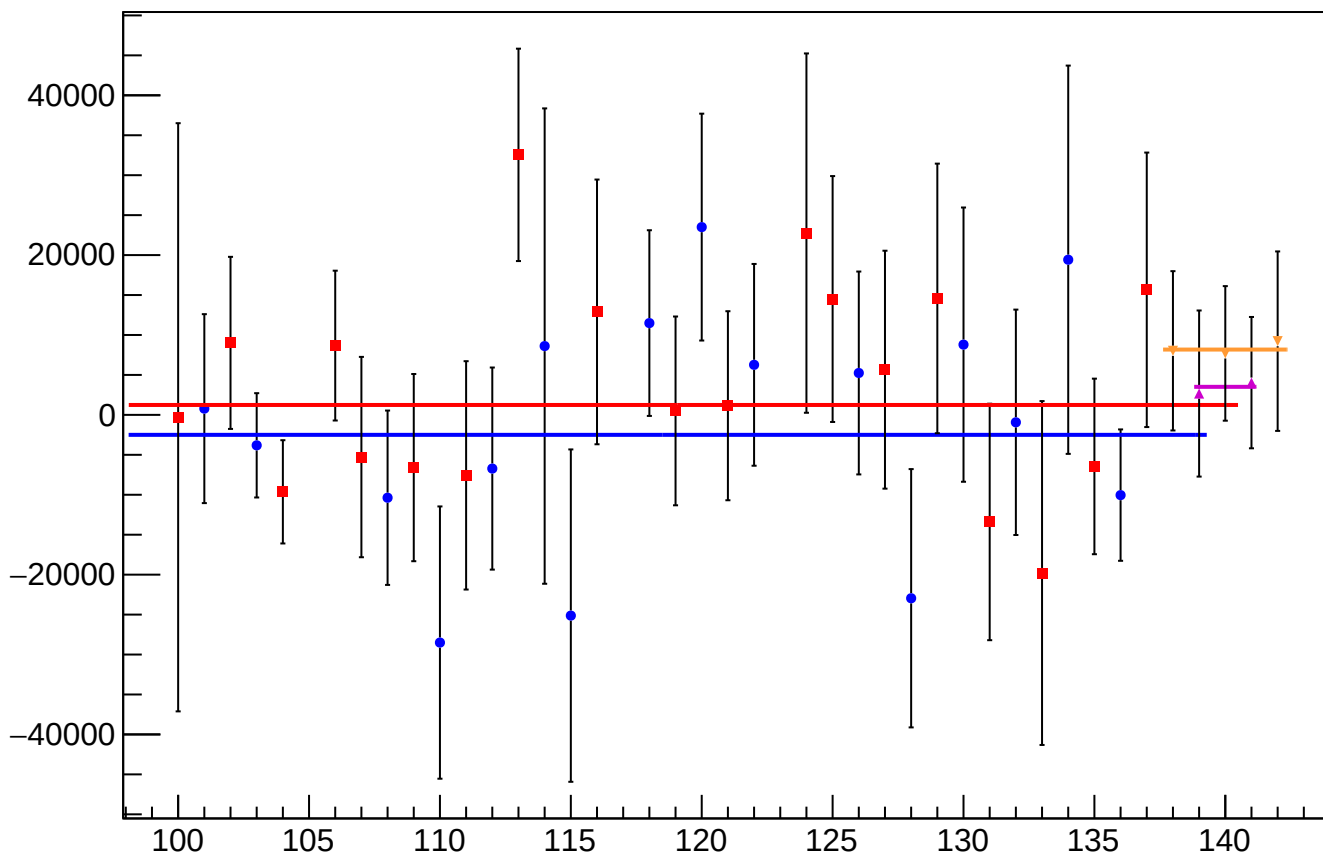
Left In: 2626.598±/1.411 χ^2/NDF :396.4/1

+ sign 2540.784±/0.599 χ^2/NDF : 623927.9/18

All: 2510.429±/0.421 χ^2/NDF : 1079204.3/39

- sign 2480.766±/0.592 χ^2/NDF : 450195.4/20

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380 ± 3075.668 $\chi^2/\text{NDF}: 13.8/15$

Left Out: 8174.288 ± 5582.758 $\chi^2/\text{NDF}: 0.0/2$

Right Out: 1239.896 ± 2893.464 $\chi^2/\text{NDF}: 16.6/18$

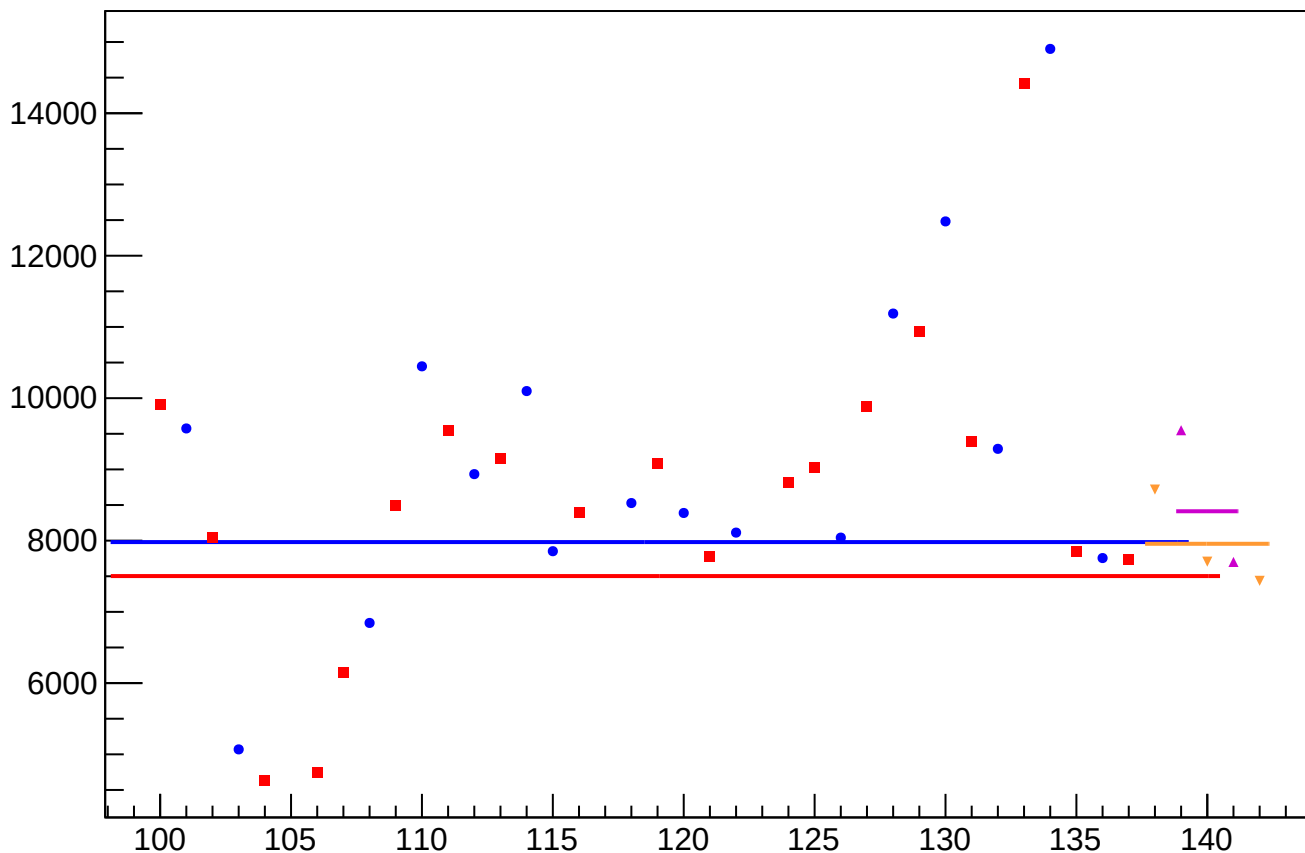
Left In: 3509.465 ± 6447.814 $\chi^2/\text{NDF}: 0.0/1$

+ sign -14.848 ± 2693.899 $\chi^2/\text{NDF}: 16.6/18$

All: 819.309 ± 1885.473 $\chi^2/\text{NDF}: 33.5/39$

- sign 1620.326 ± 2639.845 $\chi^2/\text{NDF}: 16.7/20$

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF : 922785.4/15

Left Out: 7955.788+/-3.948 χ^2/NDF : 17720.7/2

Right Out: 7502.685+/-2.046 χ^2/NDF : 1135523.5/18

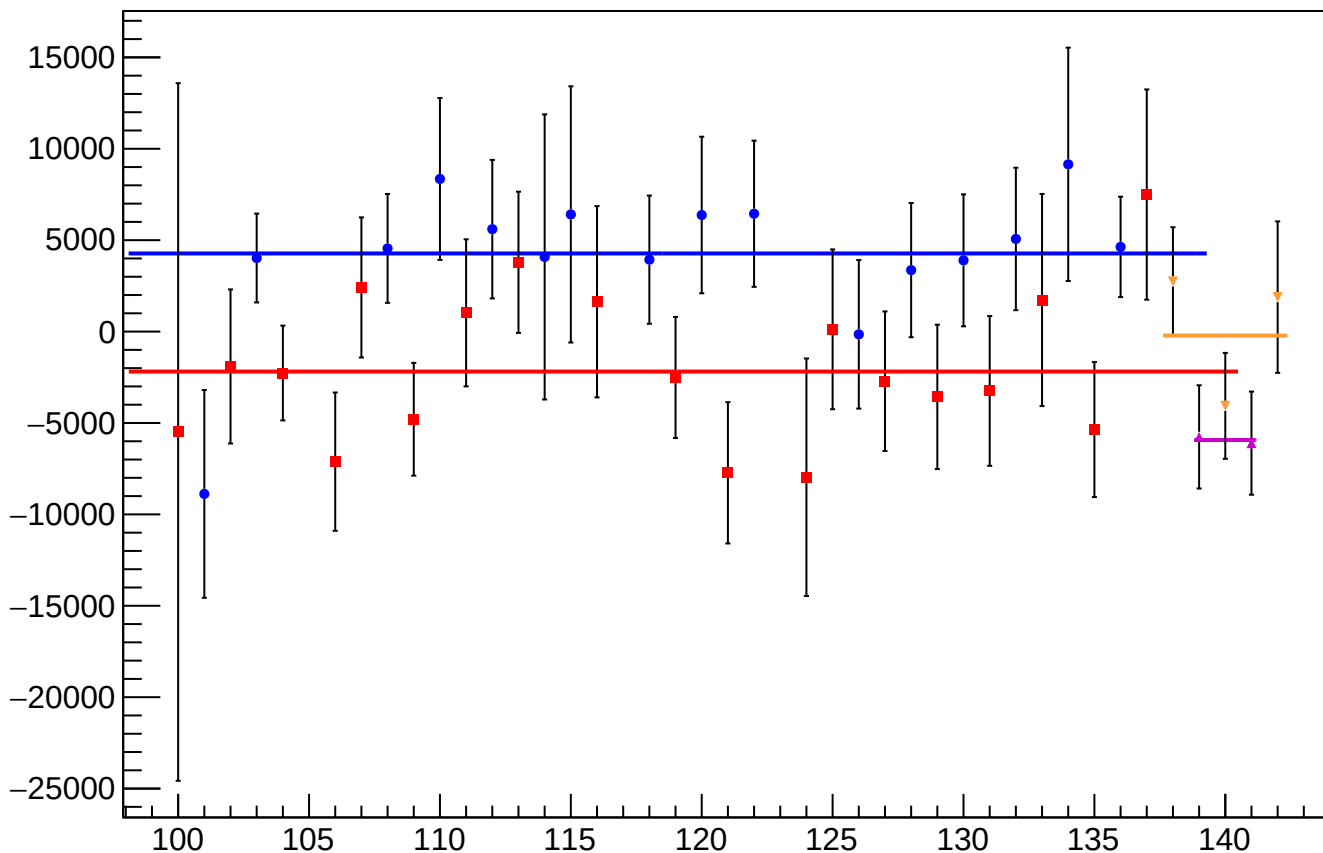
Left In: 8412.392+/-4.559 χ^2/NDF : 38934.8/1

+ sign 7974.218+/-1.905 χ^2/NDF : 940534.5/18

All: 7811.462+/-1.333 χ^2/NDF : 2162441.5/39

- sign 7655.172+/-1.867 χ^2/NDF : 1207596.4/20

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903 $\pm$ 951.956 χ^2 /NDF: 8.9/15

Left Out: -217.199 $\pm$ 1853.785 χ^2 /NDF:3.0/2

Right Out: -2186.887 $\pm$ 922.111 χ^2 /NDF: 14.8/18

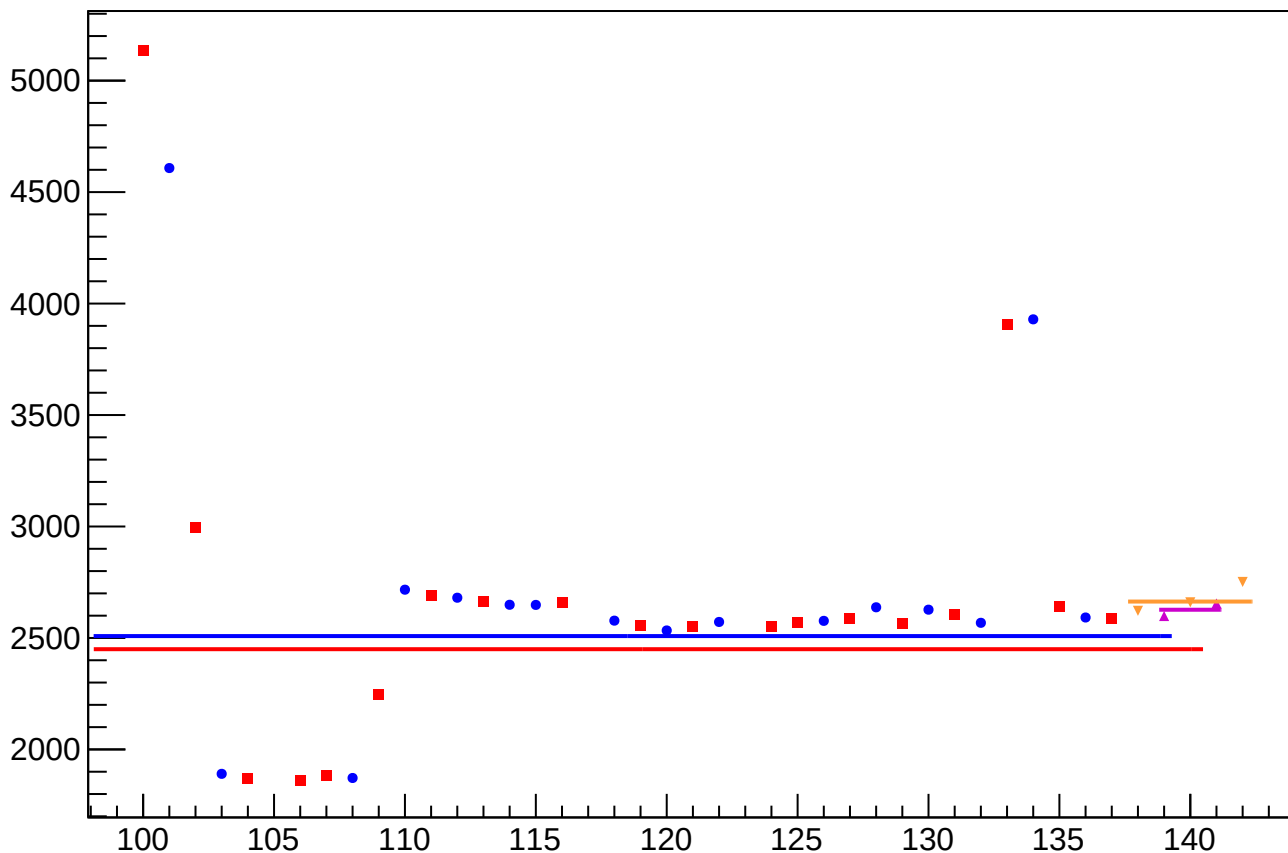
Left In: -5931.730 $\pm$ 1996.151 χ^2 /NDF:0.0/1

+ sign 3336.723 $\pm$ 846.826 χ^2 /NDF: 16.5/18

All: 209.956 $\pm$ 595.332 χ^2 /NDF: 61.2/39

- sign -2845.472 $\pm$ 837.110 χ^2 /NDF: 17.7/20

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF : 611587.4/15

Left Out: 2663.331+/-1.311 χ^2/NDF :1295.6/2

Right Out: 2449.647+/-0.652 χ^2/NDF : 436846.6/18

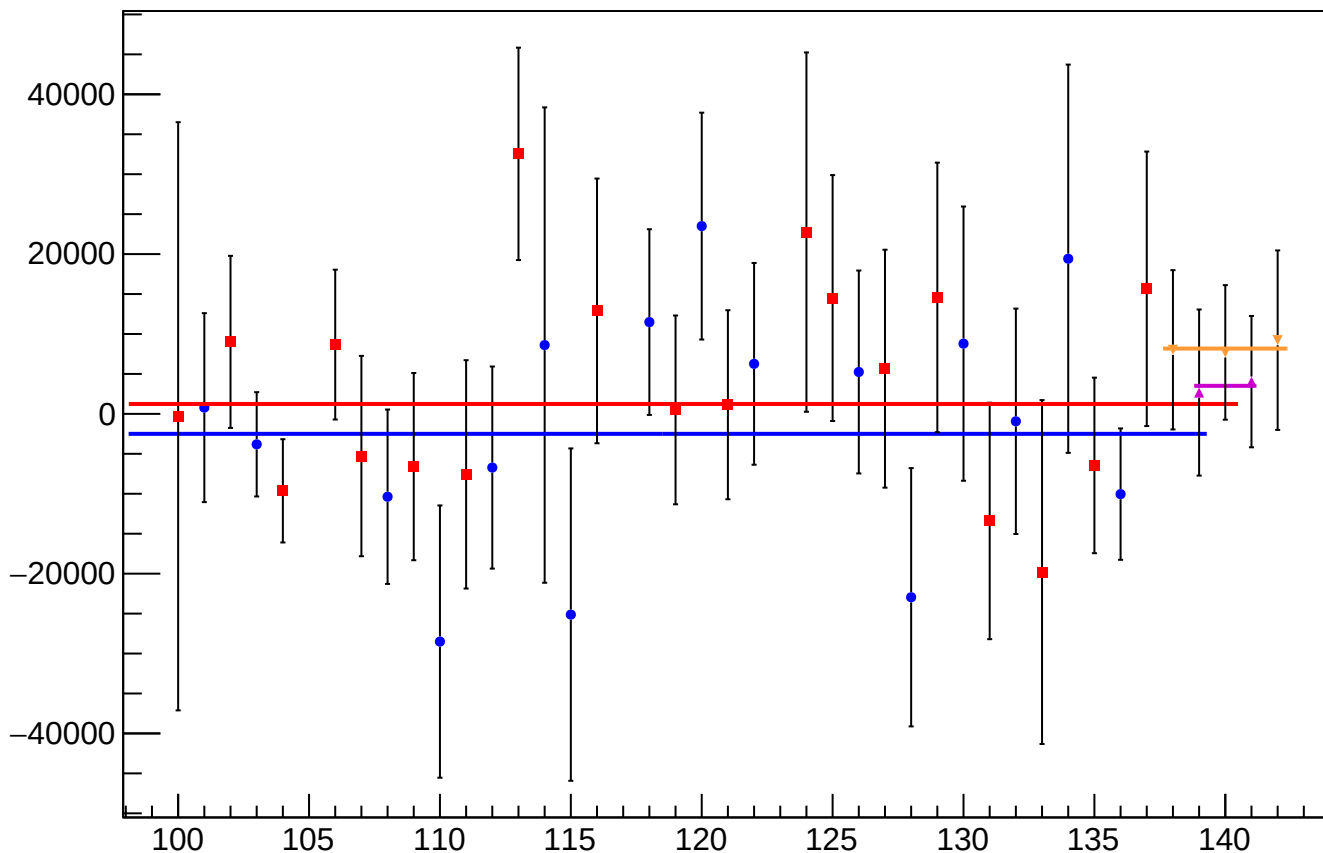
Left In: 2626.598+/-1.411 χ^2/NDF :396.4/1

+ sign 2540.784+/-0.599 χ^2/NDF : 623927.9/18

All: 2510.429+/-0.421 χ^2/NDF : 1079204.3/39

- sign 2480.766+/-0.592 χ^2/NDF : 450195.4/20

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380 ± 3075.668 $\chi^2/\text{NDF}: 13.8/15$

Left Out: 8174.288 ± 5582.758 $\chi^2/\text{NDF}: 0.0/2$

Right Out: 1239.896 ± 2893.464 $\chi^2/\text{NDF}: 16.6/18$

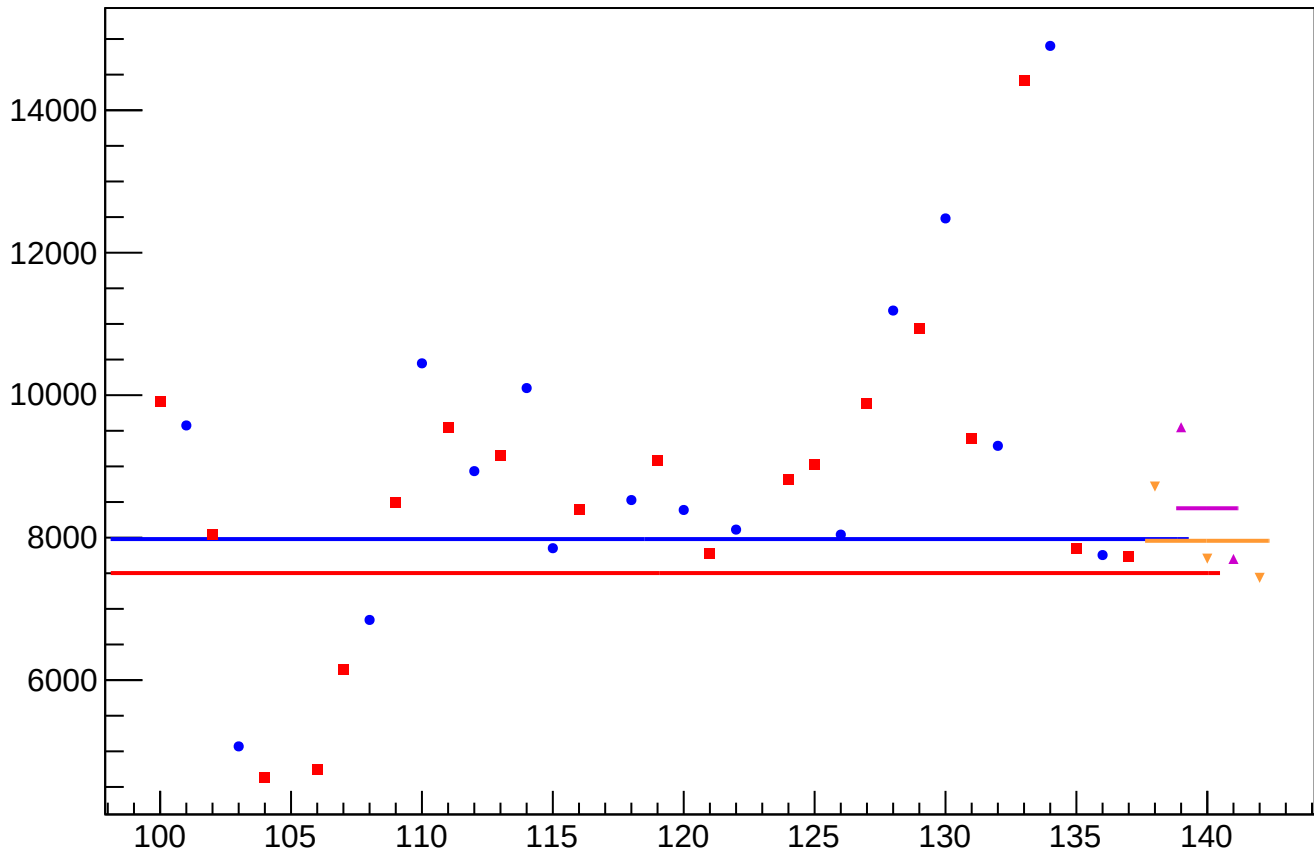
Left In: 3509.465 ± 6447.814 $\chi^2/\text{NDF}: 0.0/1$

+ sign -14.848 ± 2693.899 $\chi^2/\text{NDF}: 16.6/18$

All: 819.309 ± 1885.473 $\chi^2/\text{NDF}: 33.5/39$

- sign 1620.326 ± 2639.845 $\chi^2/\text{NDF}: 16.7/20$

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812 $\pm$ 2.175 χ^2/NDF : 922785.4/15

Left Out: 7955.788 $\pm$ 3.948 χ^2/NDF : 17720.7/2

Right Out: 7502.685 $\pm$ 2.046 χ^2/NDF : 1135523.5/18

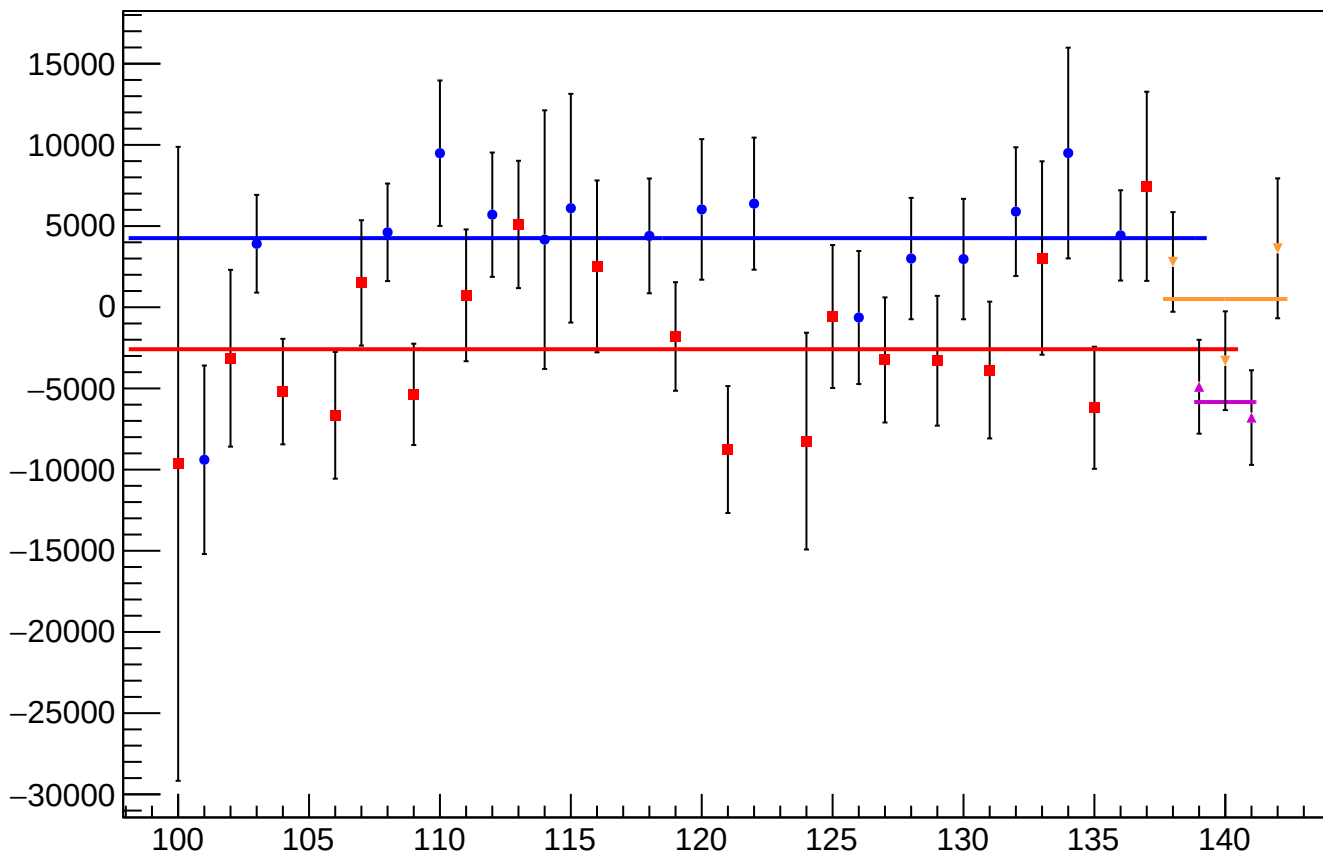
Left In: 8412.392 $\pm$ 4.559 χ^2/NDF : 38934.8/1

+ sign 7974.218 $\pm$ 1.905 χ^2/NDF : 940534.5/18

All: 7811.462 $\pm$ 1.333 χ^2/NDF : 2162441.5/39

- sign 7655.172 $\pm$ 1.867 χ^2/NDF : 1207596.4/20

dit_asym_atr2_mean vs Slug



Right In: 4256.977 ± 990.542 χ^2/NDF : 10.1/15

Left Out: 506.783 ± 1931.409 χ^2/NDF : 2.6/2

Right Out: -2584.689 ± 966.049 χ^2/NDF : 17.6/18

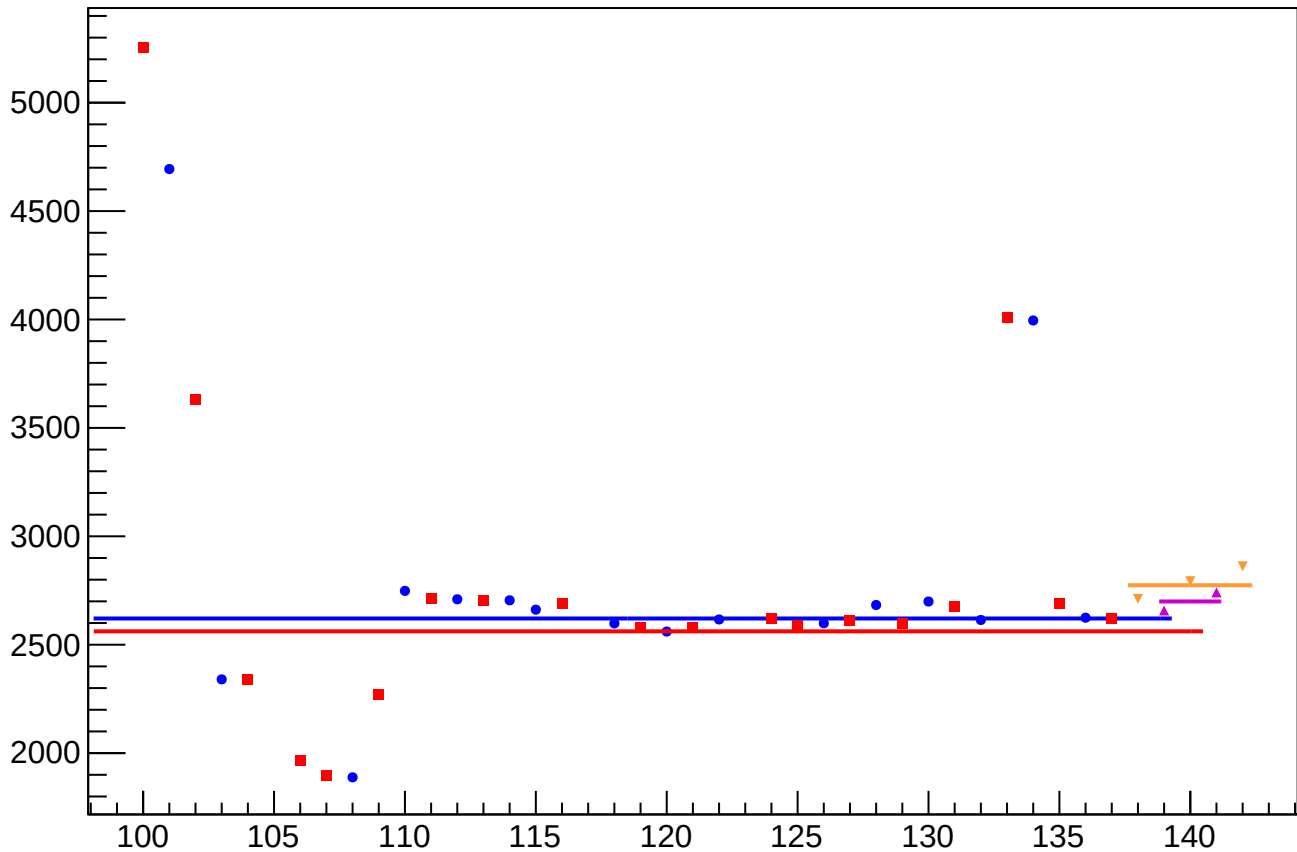
Left In: -5838.229 ± 2051.781 χ^2/NDF : 0.2/1

+ sign 3475.998 ± 881.387 χ^2/NDF : 15.7/18

All: 122.535 ± 620.612 χ^2/NDF : 64.3/39

- sign -3175.071 ± 874.016 χ^2/NDF : 19.9/20

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF : 485914.1/15

Left Out: 2774.249+/-1.366 χ^2/NDF : 1737.3/2

Right Out: 2561.718+/-0.683 χ^2/NDF : 378259.5/18

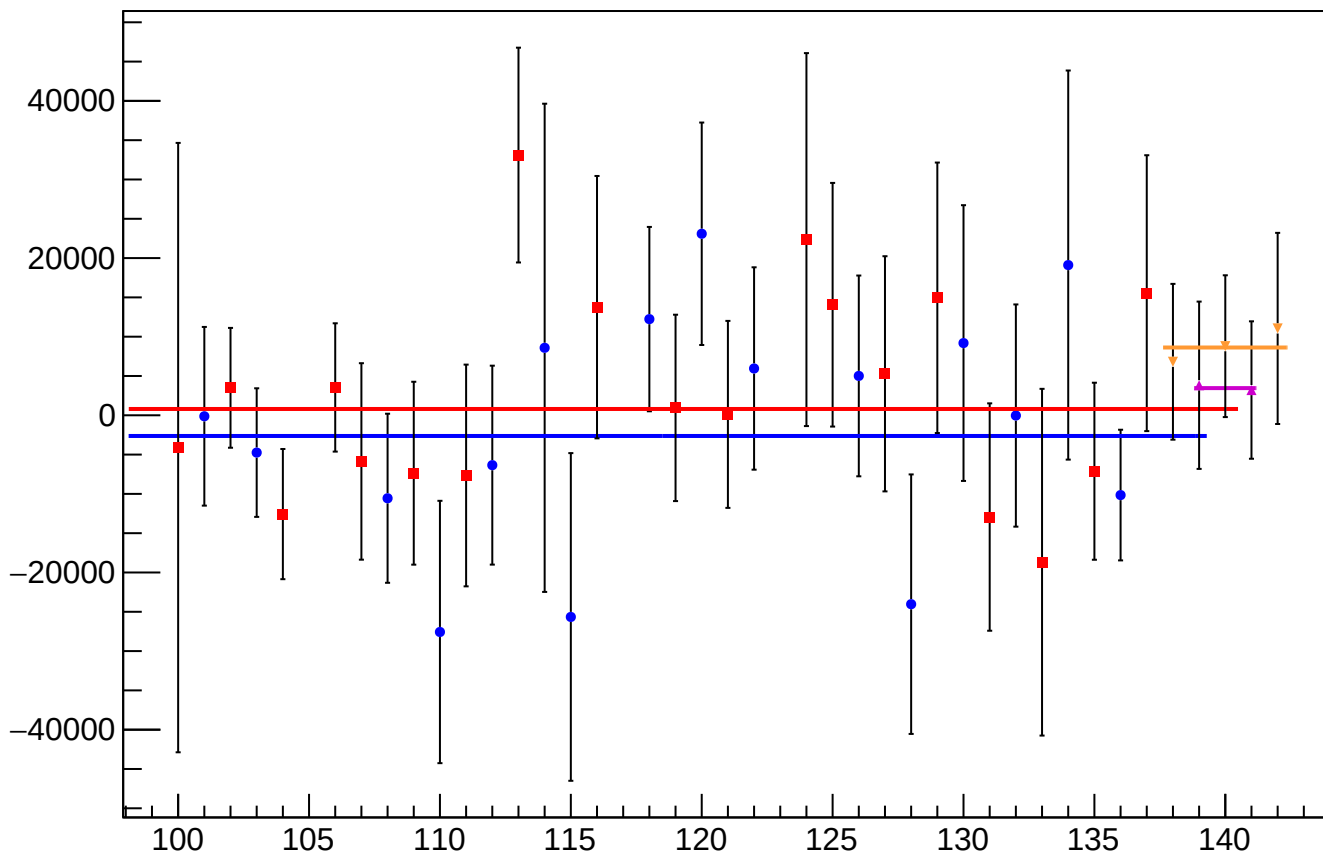
Left In: 2699.436+/-1.451 χ^2/NDF : 821.5/1

+ sign 2652.885+/-0.623 χ^2/NDF : 497625.4/18

All: 2619.491+/-0.439 χ^2/NDF : 889775.0/39

- sign 2586.684+/-0.618 χ^2/NDF : 386458.0/20

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF : 13.8/15

Left Out: 8623.445+/-5848.507 χ^2/NDF : 0.1/2

Right Out: 802.880+/-2872.934 χ^2/NDF : 15.4/18

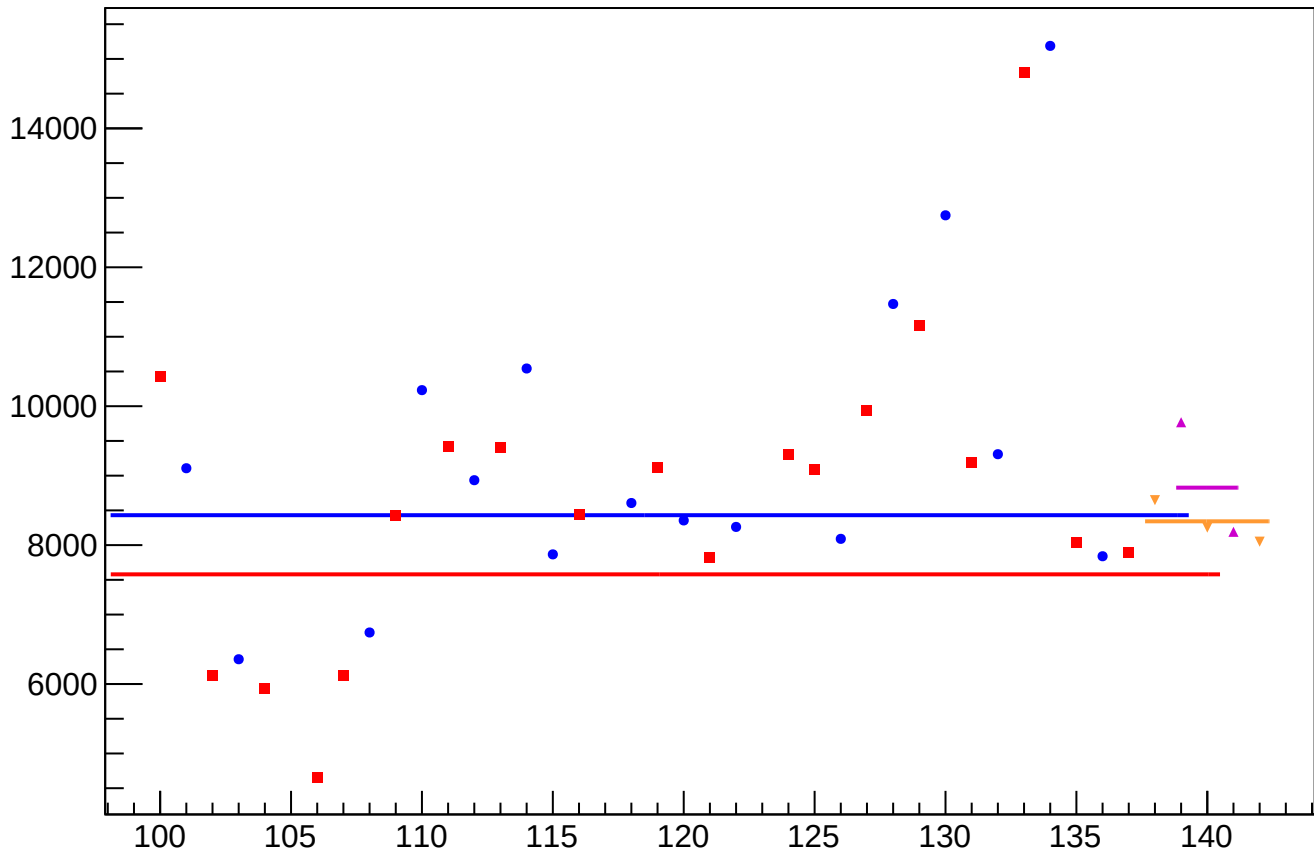
Left In: 3457.816+/-6755.386 χ^2/NDF : 0.0/1

+ sign -24.365+/-2815.023 χ^2/NDF : 16.7/18

All: 631.243+/-1927.132 χ^2/NDF : 32.4/39

- sign 1209.515+/-2643.783 χ^2/NDF : 15.5/20

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2 /NDF: 580295.1/15

Left Out: 8342.630+/-4.136 χ^2 /NDF: 3251.5/2

Right Out: 7579.112+/-2.031 χ^2 /NDF: 974126.9/18

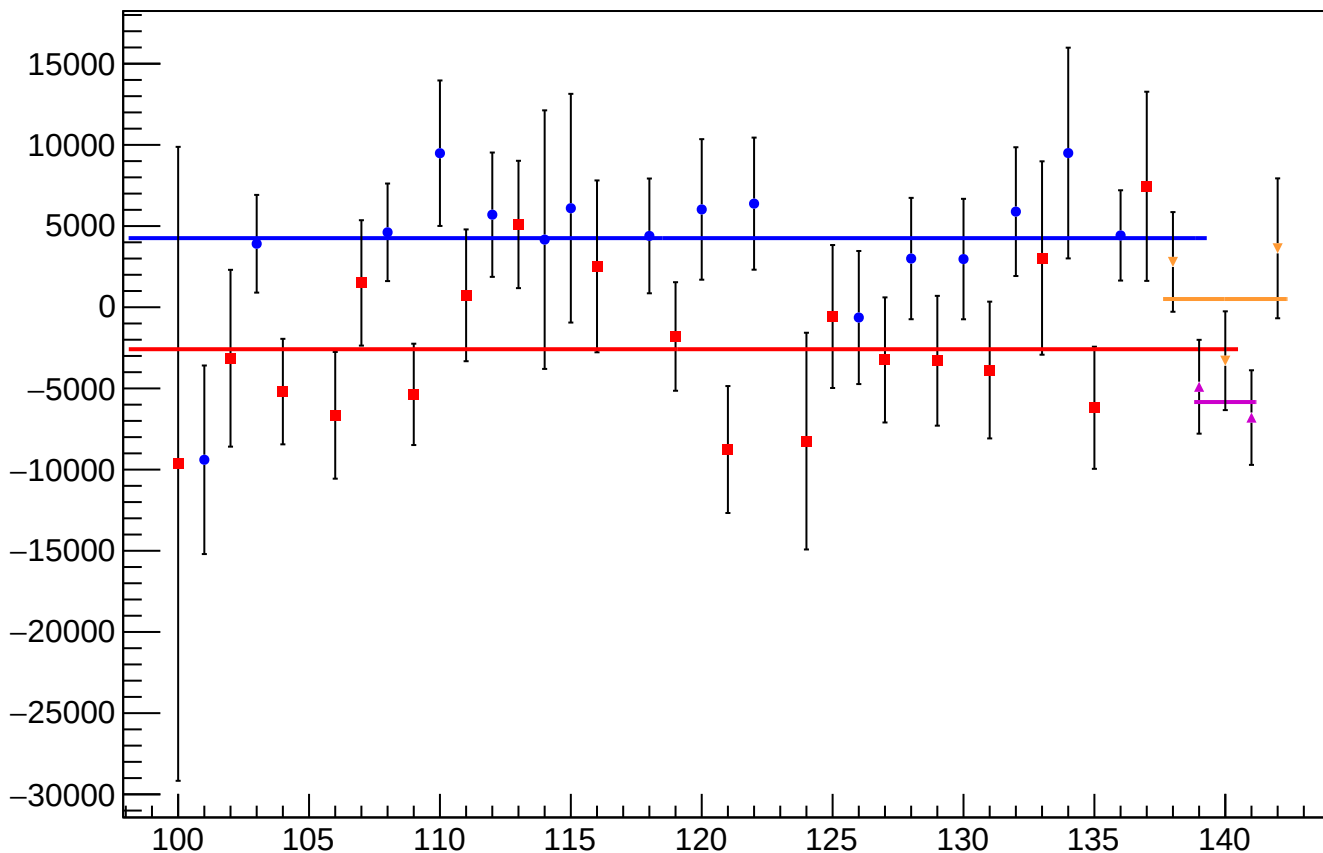
Left In: 8827.220+/-4.777 χ^2 /NDF: 26236.0/1

+ sign 8410.349+/-1.991 χ^2 /NDF: 583895.6/18

All: 8070.253+/-1.363 χ^2 /NDF: 1697013.8/39

- sign 7770.275+/-1.869 χ^2 /NDF: 1058177.1/20

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984 $\pm$ 990.541 χ^2 /NDF: 10.1/15

Left Out: 506.794 $\pm$ 1931.410 χ^2 /NDF: 2.6/2

Right Out: -2584.699 $\pm$ 966.048 χ^2 /NDF: 17.6/18

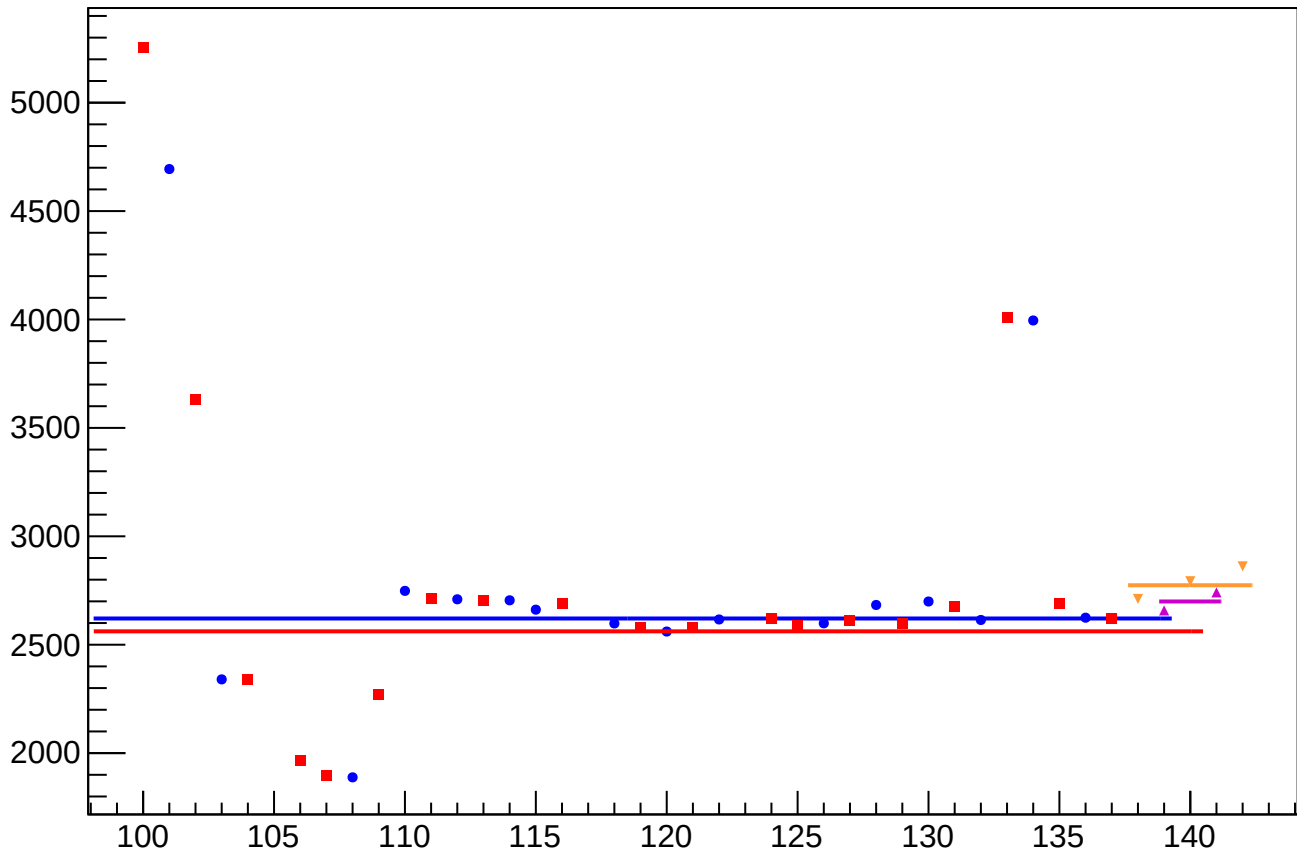
Left In: -5838.190 $\pm$ 2051.781 χ^2 /NDF: 0.2/1

+ sign 3476.008 $\pm$ 881.387 χ^2 /NDF: 15.7/18

All: 122.539 $\pm$ 620.612 χ^2 /NDF: 64.3/39

- sign -3175.072 $\pm$ 874.016 χ^2 /NDF: 19.9/20

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF : 485914.3/15

Left Out: 2774.250+/-1.366 χ^2/NDF : 1737.2/2

+ sign 2652.885+/-0.623 χ^2/NDF : 497625.8/18

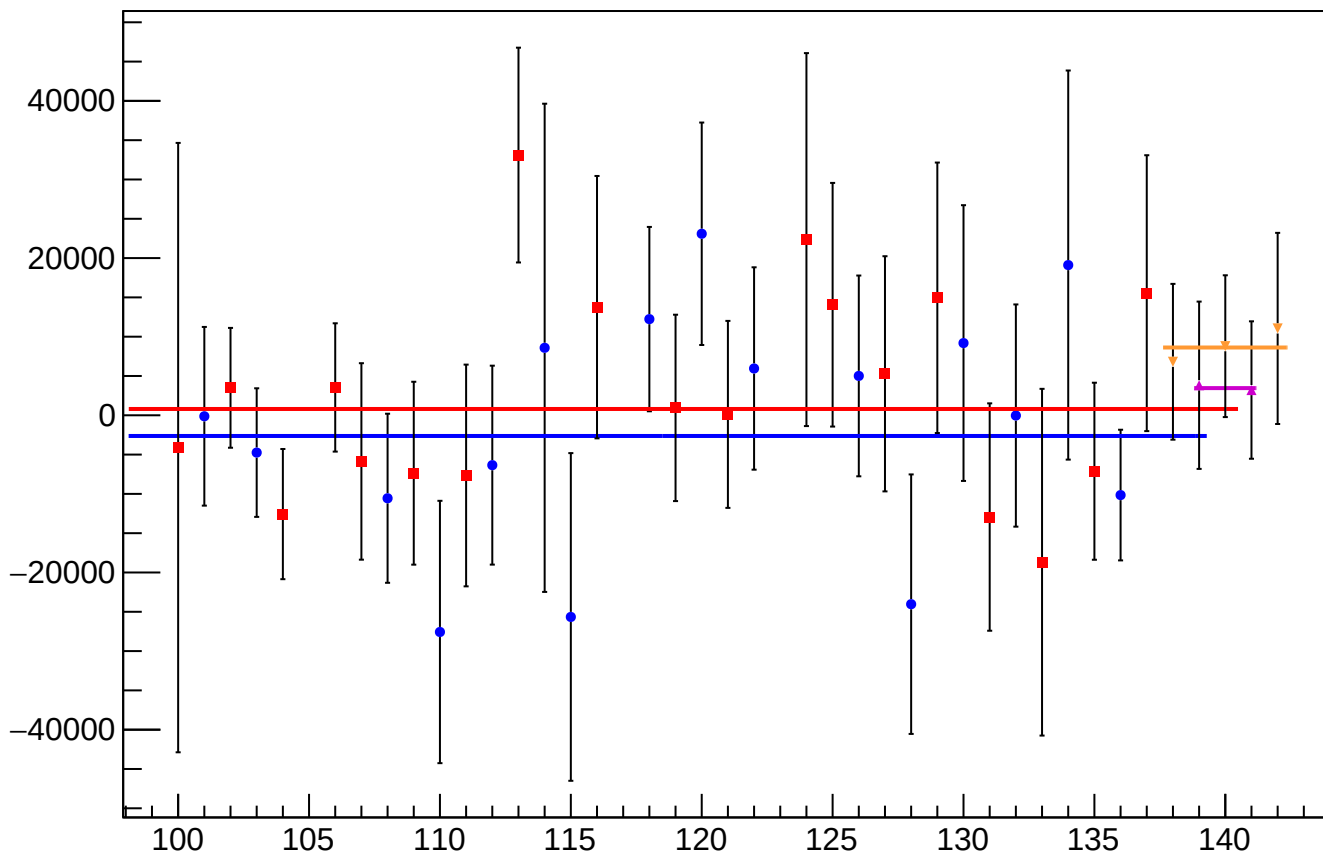
Right Out: 2561.718+/-0.683 χ^2/NDF : 378258.9/18

All: 2619.491+/-0.439 χ^2/NDF : 889774.8/39

- sign 2586.684+/-0.618 χ^2/NDF : 386457.5/20

Left In: 2699.437+/-1.451 χ^2/NDF : 821.4/1

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887 ± 3211.501 χ^2/NDF : 13.8/15

Left Out: 8623.466 ± 5848.510 χ^2/NDF : 0.1/2

Right Out: 802.875 ± 2872.930 χ^2/NDF : 15.4/18

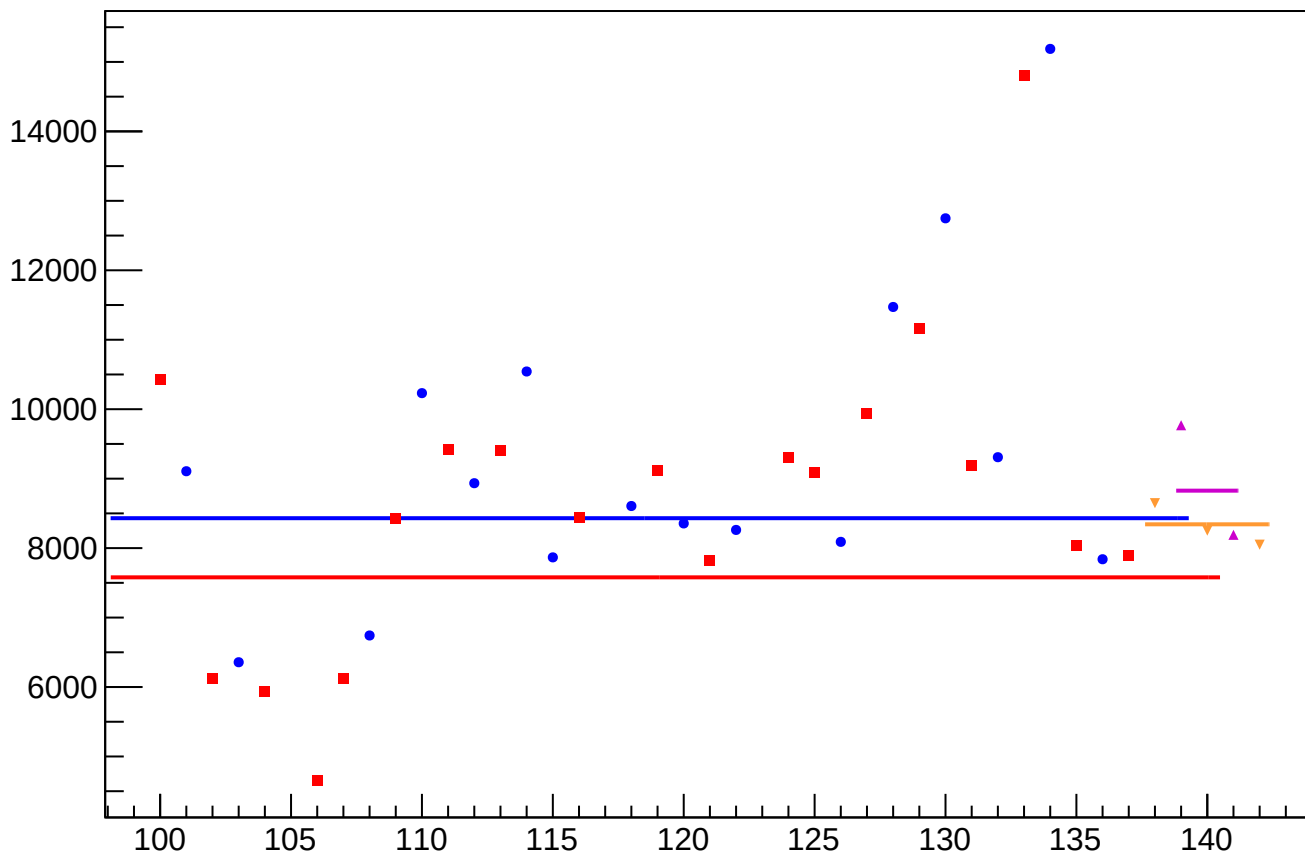
Left In: 3457.856 ± 6755.391 χ^2/NDF : 0.0/1

+ sign -24.342 ± 2815.021 χ^2/NDF : 16.7/18

All: 631.255 ± 1927.130 χ^2/NDF : 32.4/39

- sign 1209.516 ± 2643.780 χ^2/NDF : 15.5/20

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758 $\pm$ 2.271 χ^2 /NDF: 580289.4/15

Left Out: 8342.634 $\pm$ 4.136 χ^2 /NDF: 3251.7/2

Right Out: 7579.100 $\pm$ 2.031 χ^2 /NDF: 974123.2/18

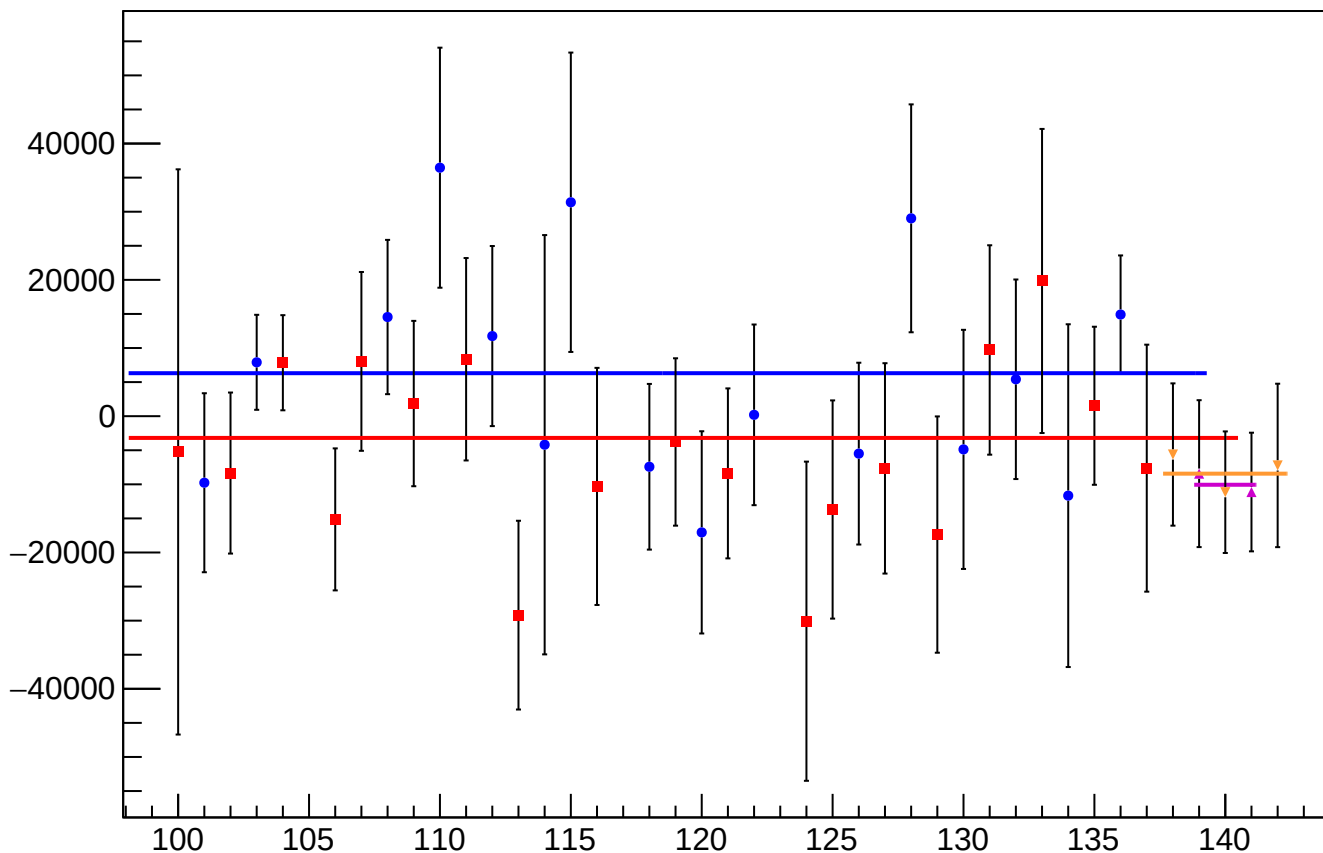
Left In: 8827.226 $\pm$ 4.777 χ^2 /NDF: 26236.7/1

+ sign 8410.342 $\pm$ 1.991 χ^2 /NDF: 583889.9/18

All: 8070.244 $\pm$ 1.363 χ^2 /NDF: 1697007.4/39

- sign 7770.265 $\pm$ 1.869 χ^2 /NDF: 1058175.7/20

asym_atr2_mean vs Slug



Right In: 6307.034 $\pm$ 3239.703 χ^2 /NDF: 15.1/15

Left Out: -8433.786 $\pm$ 5901.969 χ^2 /NDF: 0.2/2

Right Out: -3189.356 $\pm$ 3068.645 χ^2 /NDF: 13.9/18

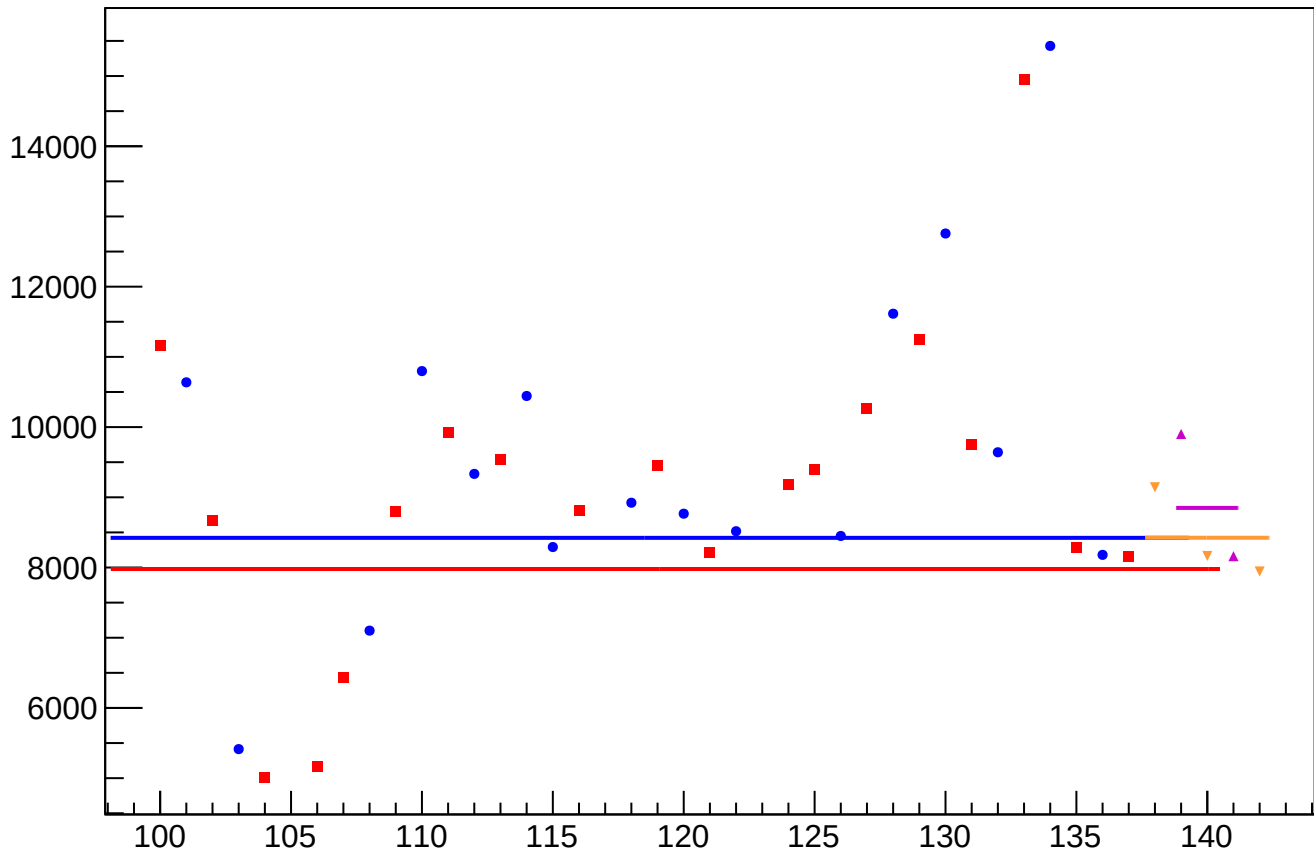
Left In: -10062.859 $\pm$ 6771.532 χ^2 /NDF: 0.0/1

+ sign 2893.873 $\pm$ 2839.975 χ^2 /NDF: 20.1/18

All: -791.116 $\pm$ 1992.088 χ^2 /NDF: 38.2/39

- sign -4360.419 $\pm$ 2795.040 χ^2 /NDF: 14.8/20

asym_atr2_rms vs Slug



Right In: 8422.717 $\pm$ 2.291 χ^2 /NDF: 881833.9/15

Left Out: 8423.720 $\pm$ 4.173 χ^2 /NDF:14395.1/2

Right Out: 7978.997 $\pm$ 2.170 χ^2 /NDF: 1016019.0/18

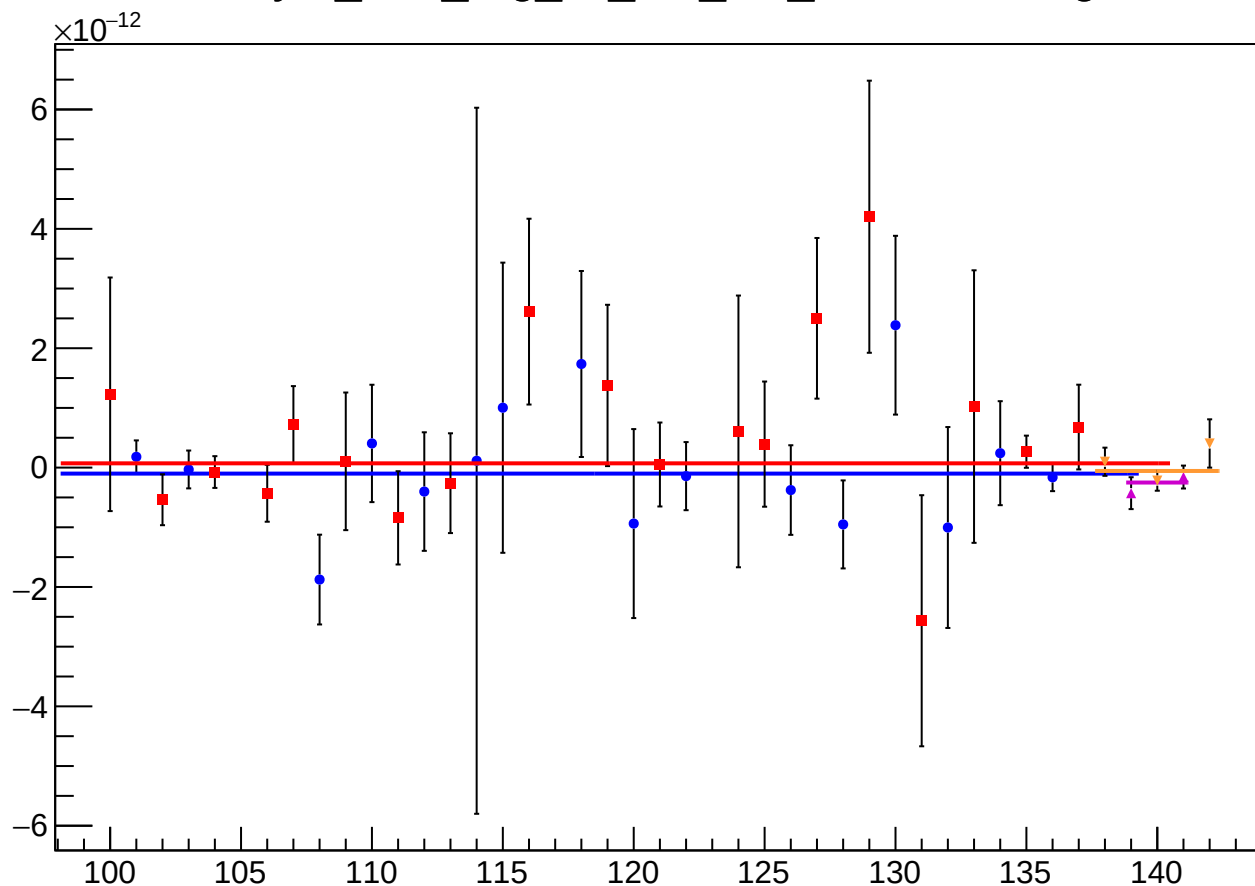
Left In: 8848.889 $\pm$ 4.788 χ^2 /NDF:31566.0/1

+ sign 8422.950 $\pm$ 2.008 χ^2 /NDF: 896229.0/18

All: 8272.714 $\pm$ 1.409 χ^2 /NDF: 1982214.4/39

- sign 8127.199 $\pm$ 1.976 χ^2 /NDF: 1074967.4/20

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 : 2.6/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.6/18

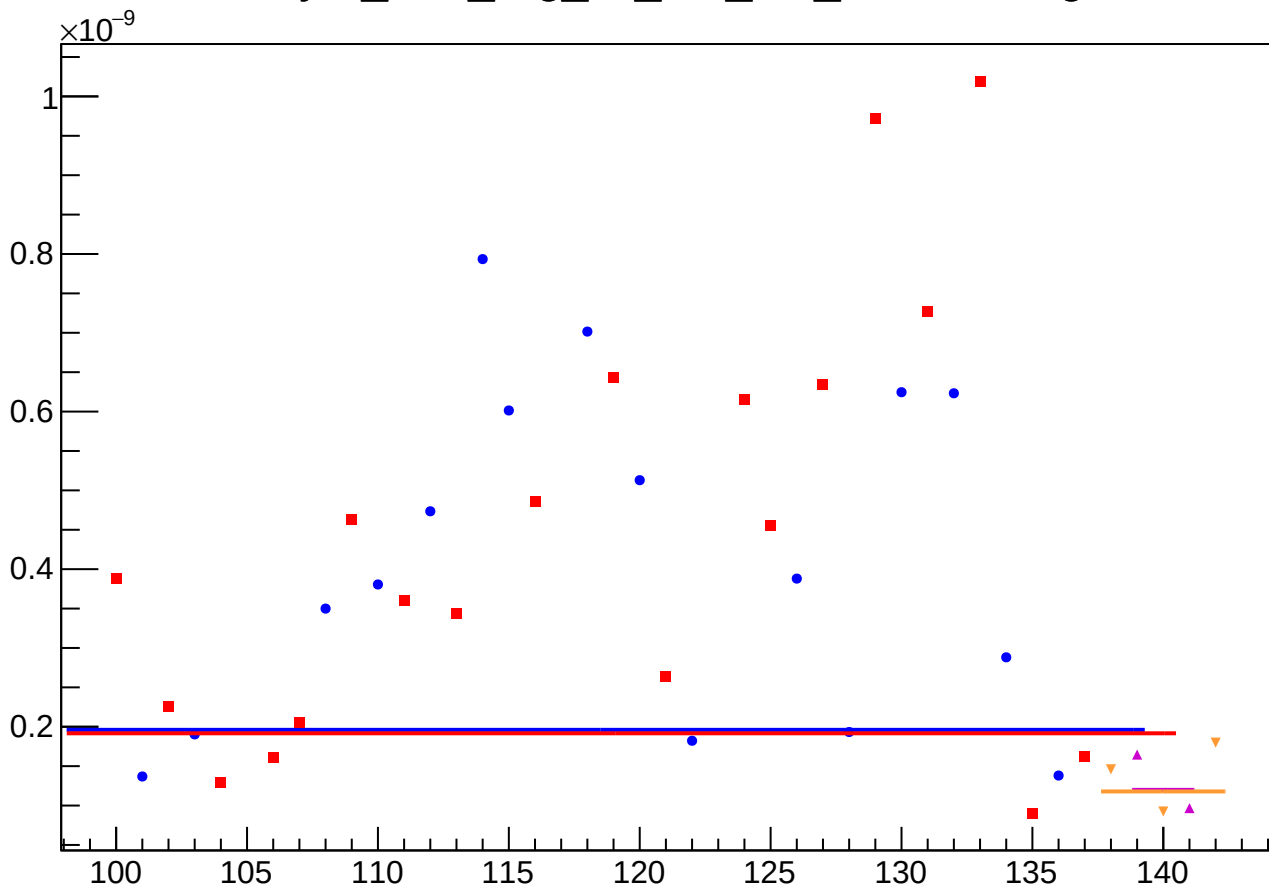
Left In: -0.000 ± 0.000 χ^2/NDF : 0.7/1

+ sign -0.000 ± 0.000 χ^2/NDF : 16.3/18

All: -0.000 ± 0.000 χ^2/NDF : 39.0/39

- sign -0.000 ± 0.000 χ^2/NDF : 22.7/20

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 : 120052.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2066454.3/18

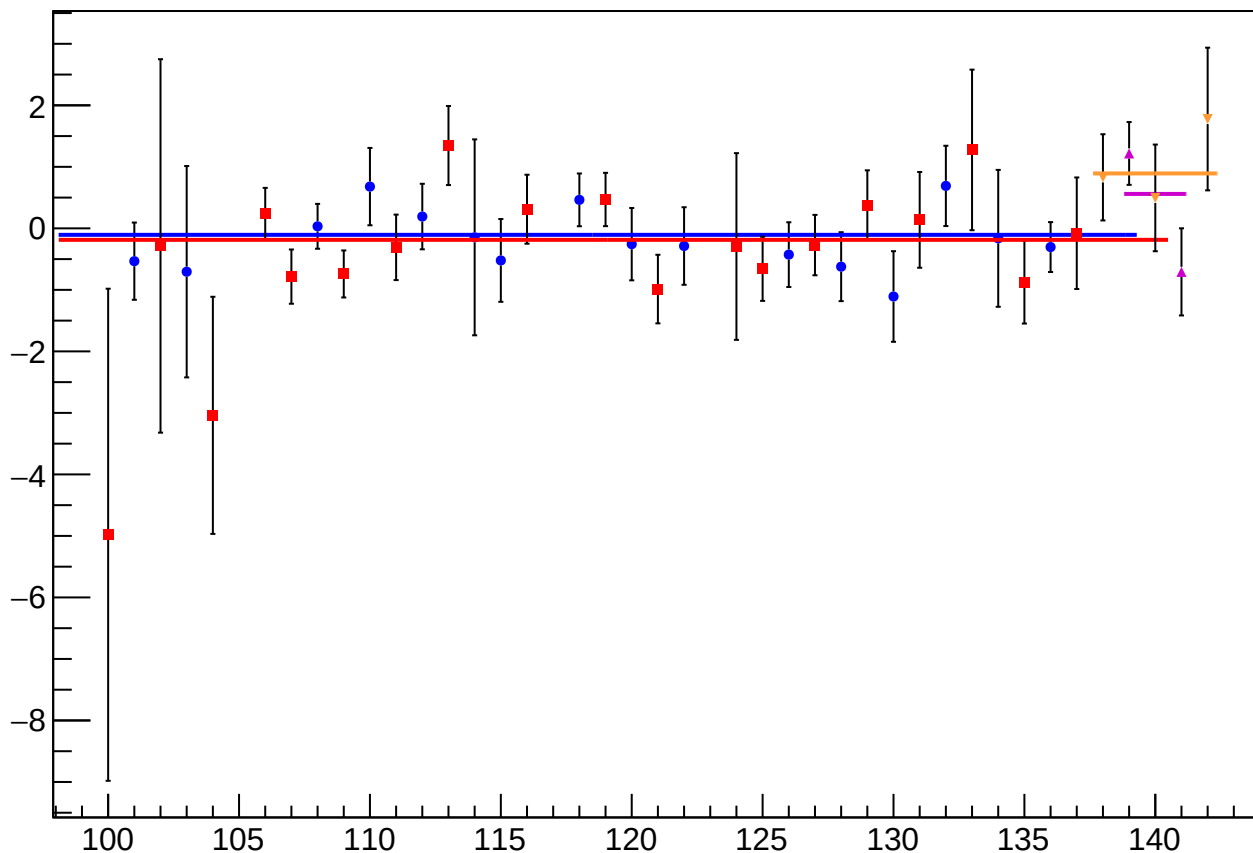
Left In: 0.000+/-0.000 χ^2/NDF : 85334.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 1810874.0/18

All: 0.000+/-0.000 χ^2/NDF : 4200128.4/39

- sign 0.000+/-0.000 χ^2/NDF : 2387680.6/20

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.893 ± 0.493 χ^2/NDF : 0.8/2

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

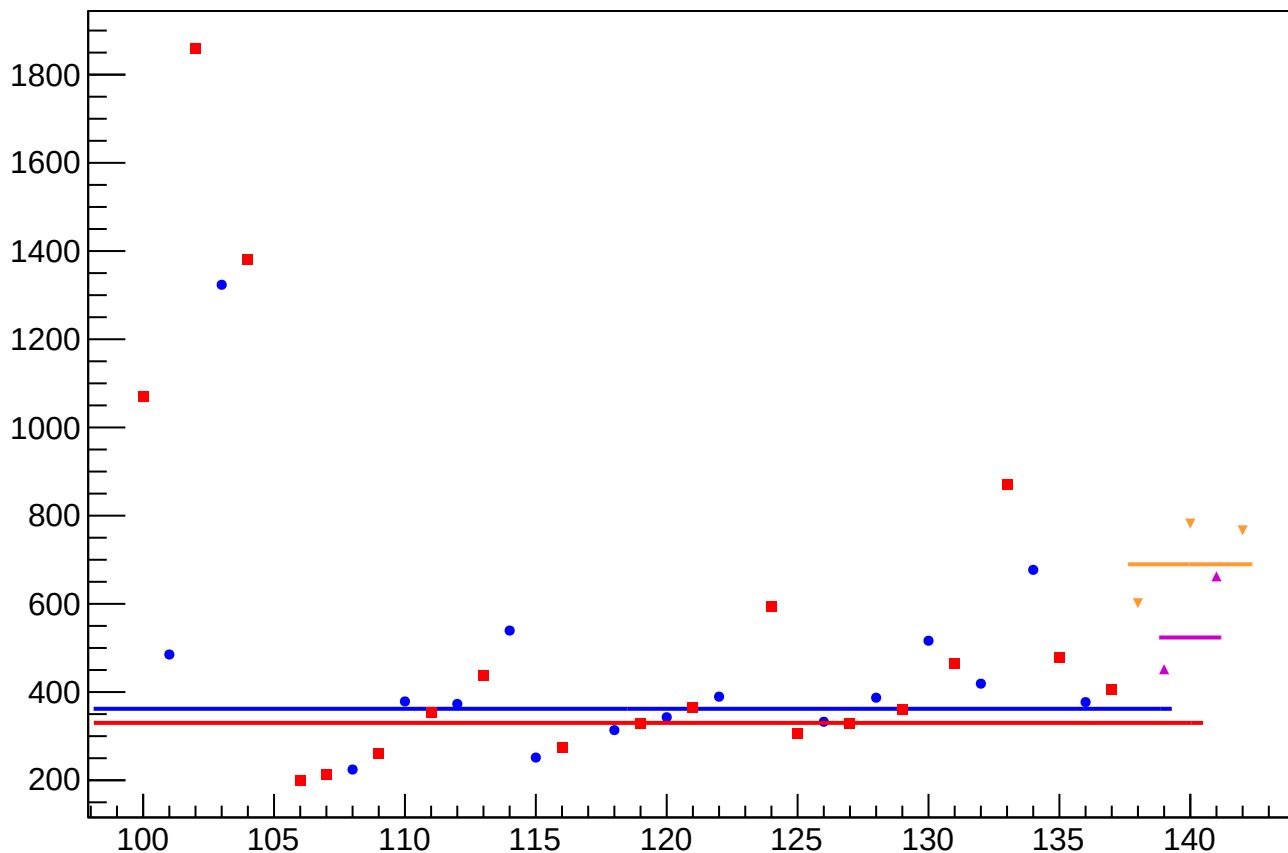
Left In: 0.560 ± 0.414 χ^2/NDF : 4.9/1

+ sign -0.026 ± 0.139 χ^2/NDF : 14.3/18

All: -0.072 ± 0.095 χ^2/NDF : 46.1/39

- sign -0.113 ± 0.130 χ^2/NDF : 31.6/20

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF : 1377330.2/15

Left Out: 689.721+/-0.349 χ^2/NDF : 63168.0/2

Right Out: 330.084+/-0.097 χ^2/NDF : 2246513.0/18

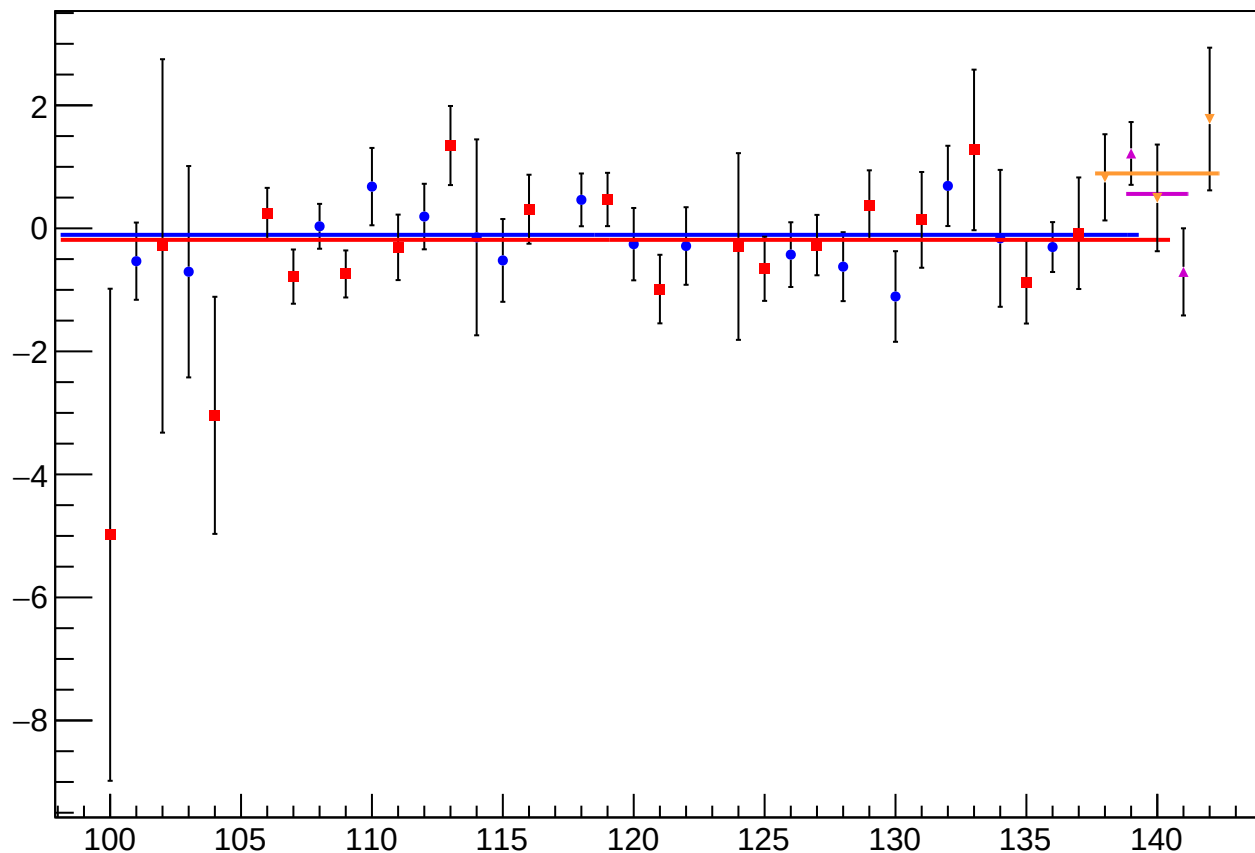
Left In: 523.728+/-0.293 χ^2/NDF : 116379.8/1

+ sign 387.998+/-0.098 χ^2/NDF : 2253249.9/18

All: 367.434+/-0.067 χ^2/NDF : 5092624.4/39

- sign 349.287+/-0.092 χ^2/NDF : 2756778.7/20

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.893 ± 0.493 χ^2/NDF : 0.8/2

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

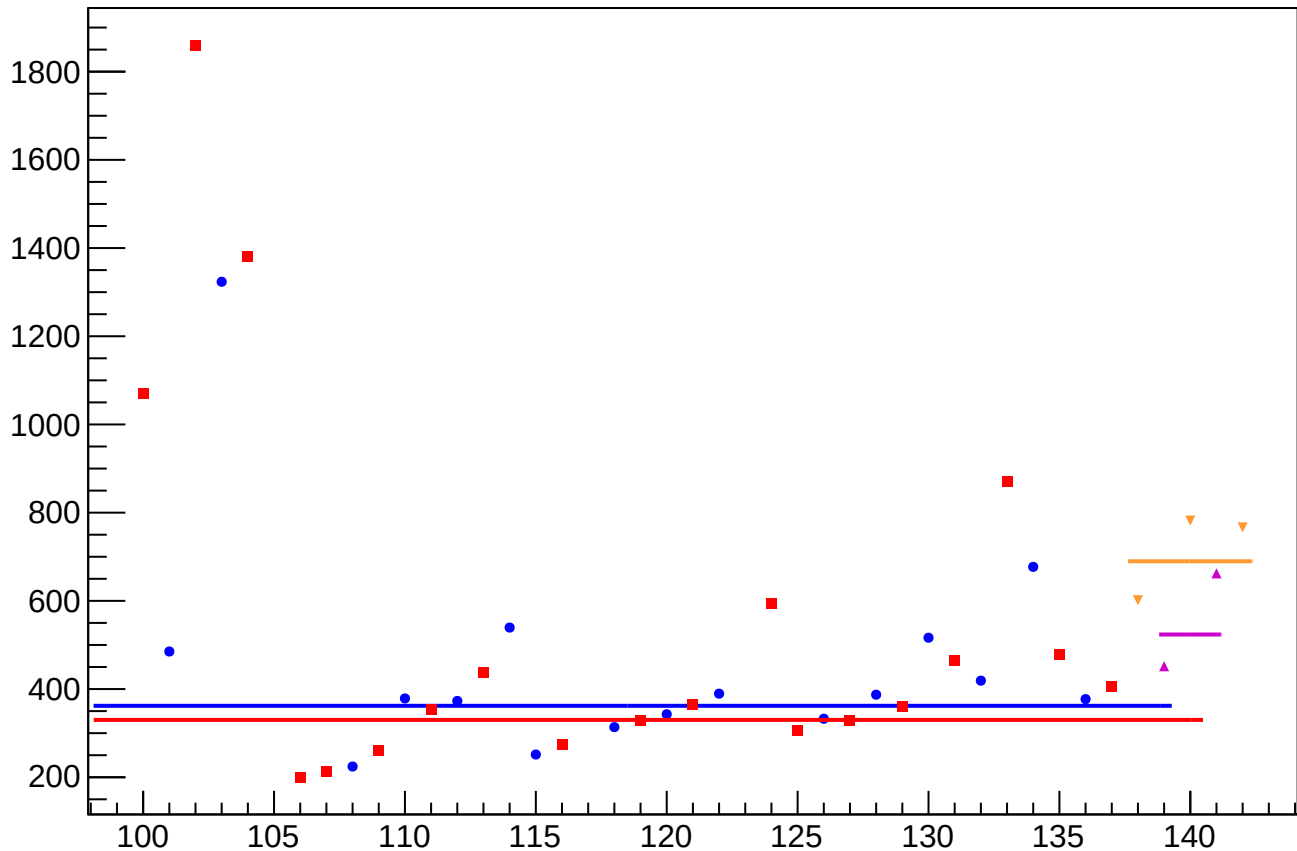
Left In: 0.560 ± 0.414 χ^2/NDF : 4.9/1

+ sign -0.026 ± 0.139 χ^2/NDF : 14.3/18

All: -0.072 ± 0.095 χ^2/NDF : 46.1/39

- sign -0.113 ± 0.130 χ^2/NDF : 31.6/20

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: 689.721 $\pm$ 0.349 χ^2 /NDF: 63168.0/2

Right Out: 330.084 $\pm$ 0.097 χ^2 /NDF: 2246513.0/18

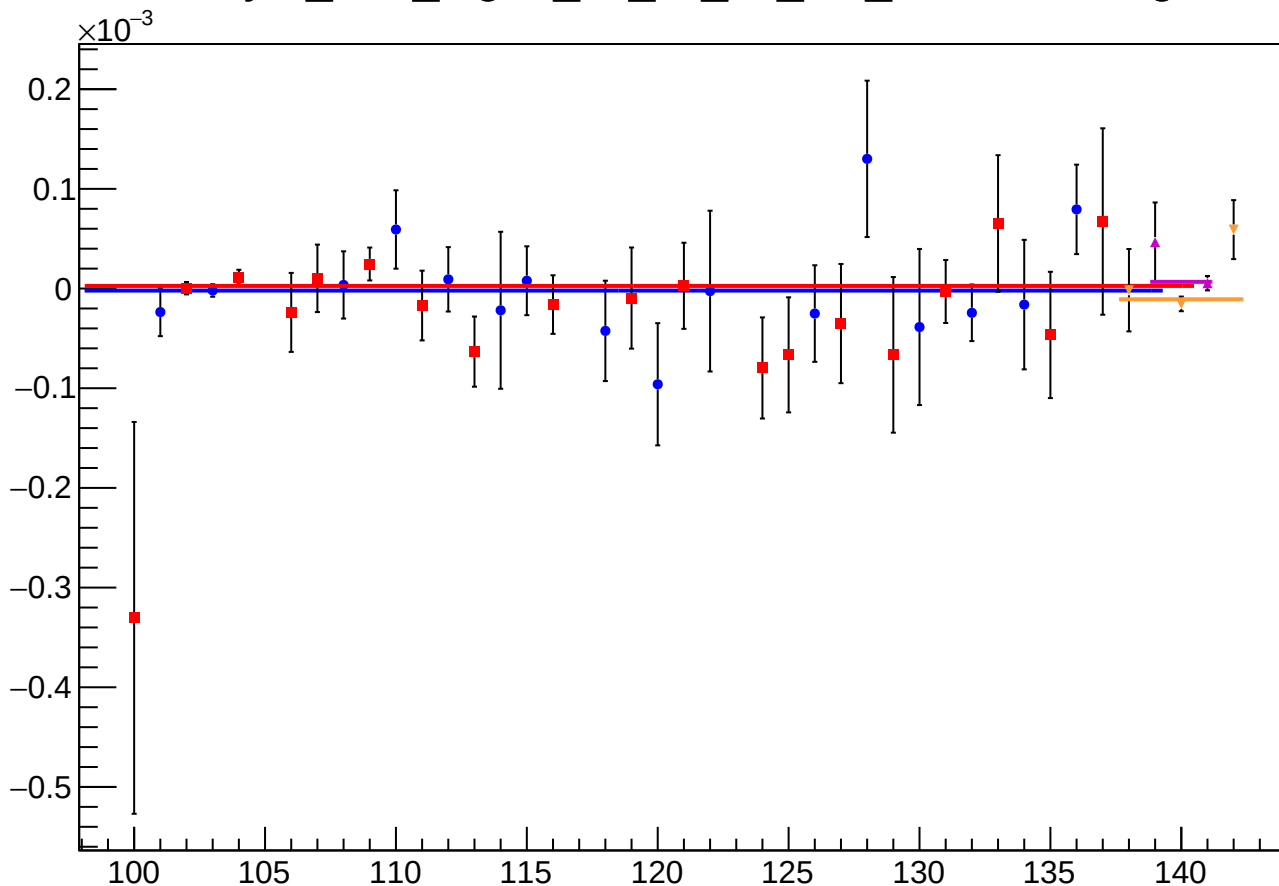
Left In: 523.728 $\pm$ 0.293 χ^2 /NDF: 116379.8/1

+ sign 387.998 $\pm$ 0.098 χ^2 /NDF: 2253249.9/18

All: 367.434 $\pm$ 0.067 χ^2 /NDF: 5092624.4/39

- sign 349.287 $\pm$ 0.092 χ^2 /NDF: 2756778.7/20

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 : 6.0/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.2/18

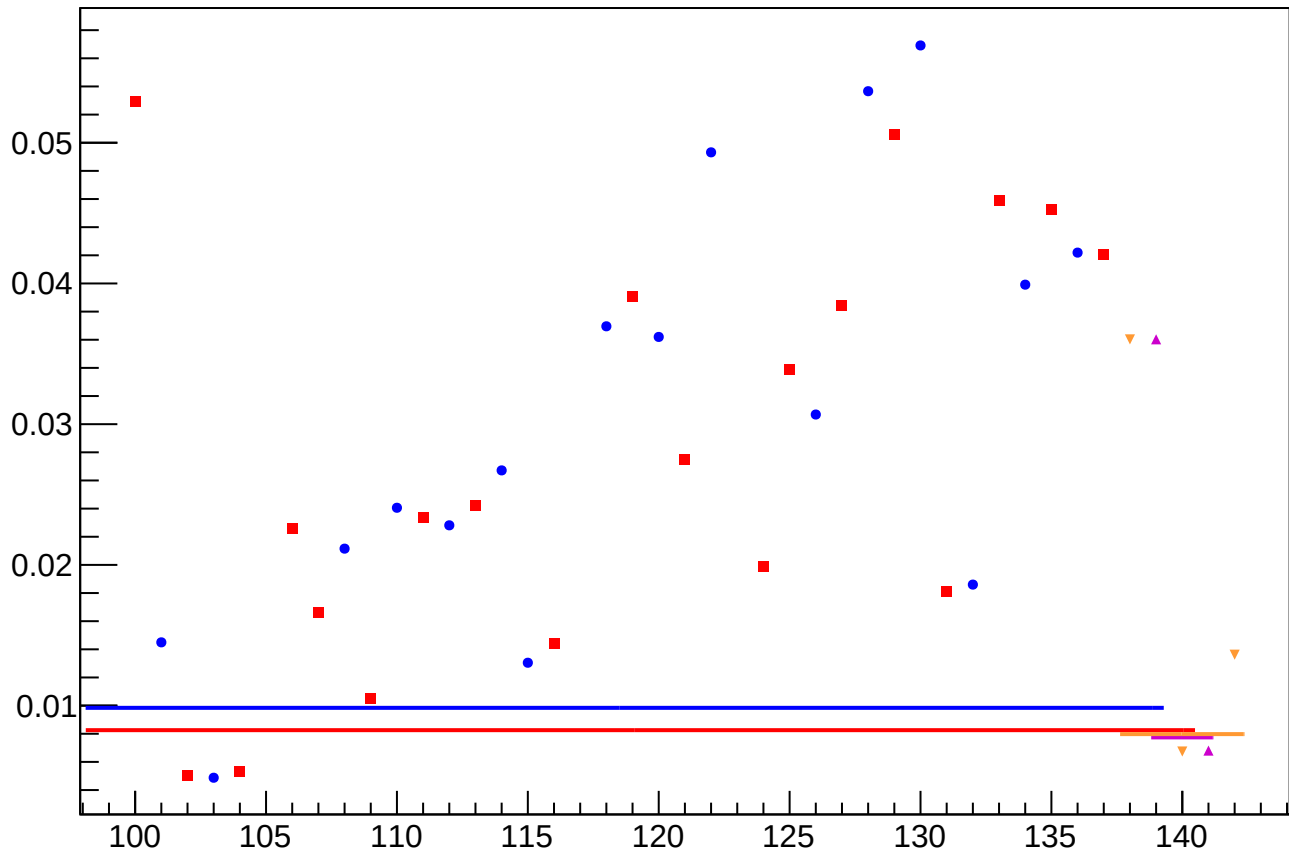
Left In: 0.000 ± 0.000 χ^2/NDF : 1.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 20.8/18

All: -0.000 ± 0.000 χ^2/NDF : 42.8/39

- sign 0.000 ± 0.000 χ^2/NDF : 19.5/20

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: 0.008 $\pm$ 0.000 χ^2 /NDF:1051171.9/2

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6740964.7/18

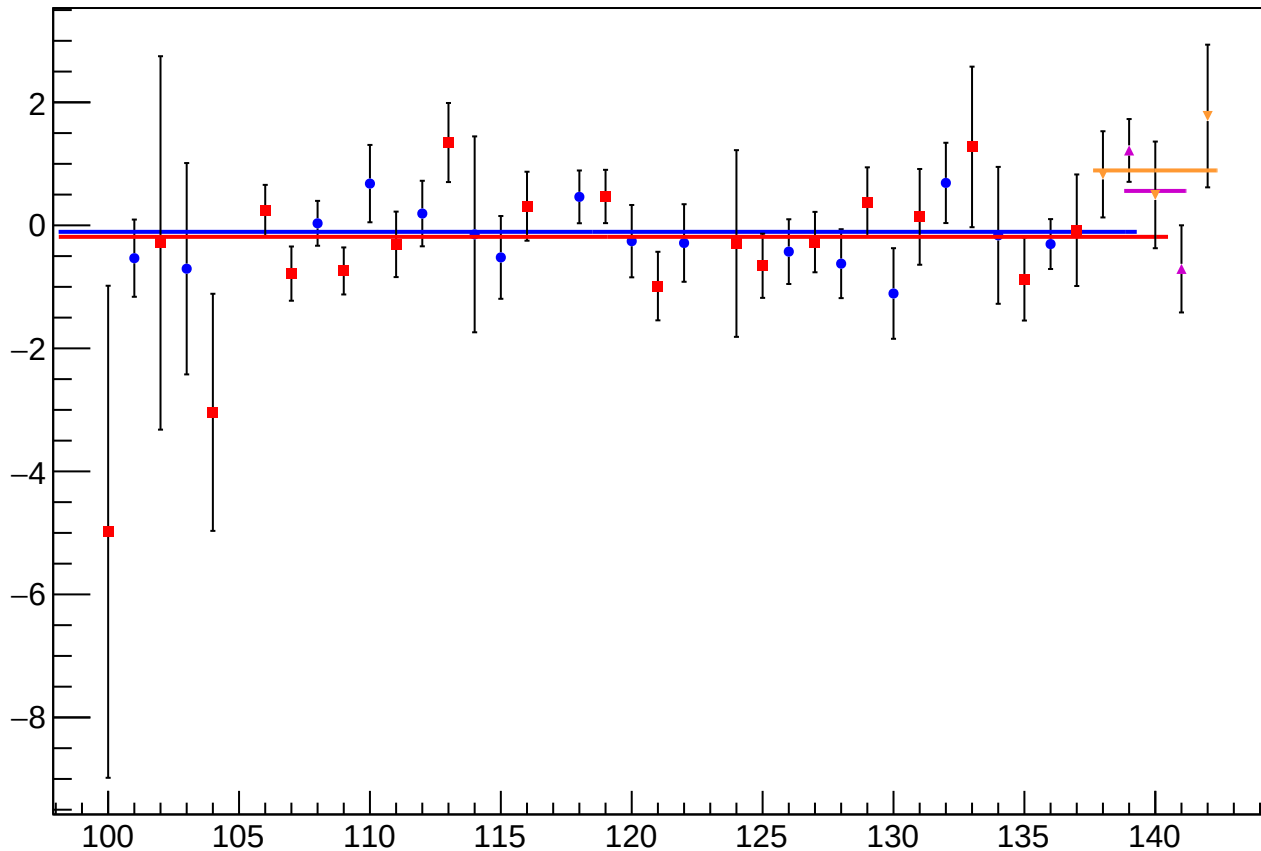
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1045615.1/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 8192220.8/18

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 16053200.6/39

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7794287.6/20

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105 ± 0.145 χ^2/NDF : 9.7/15

Left Out: 0.893 ± 0.493 χ^2/NDF : 0.8/2

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

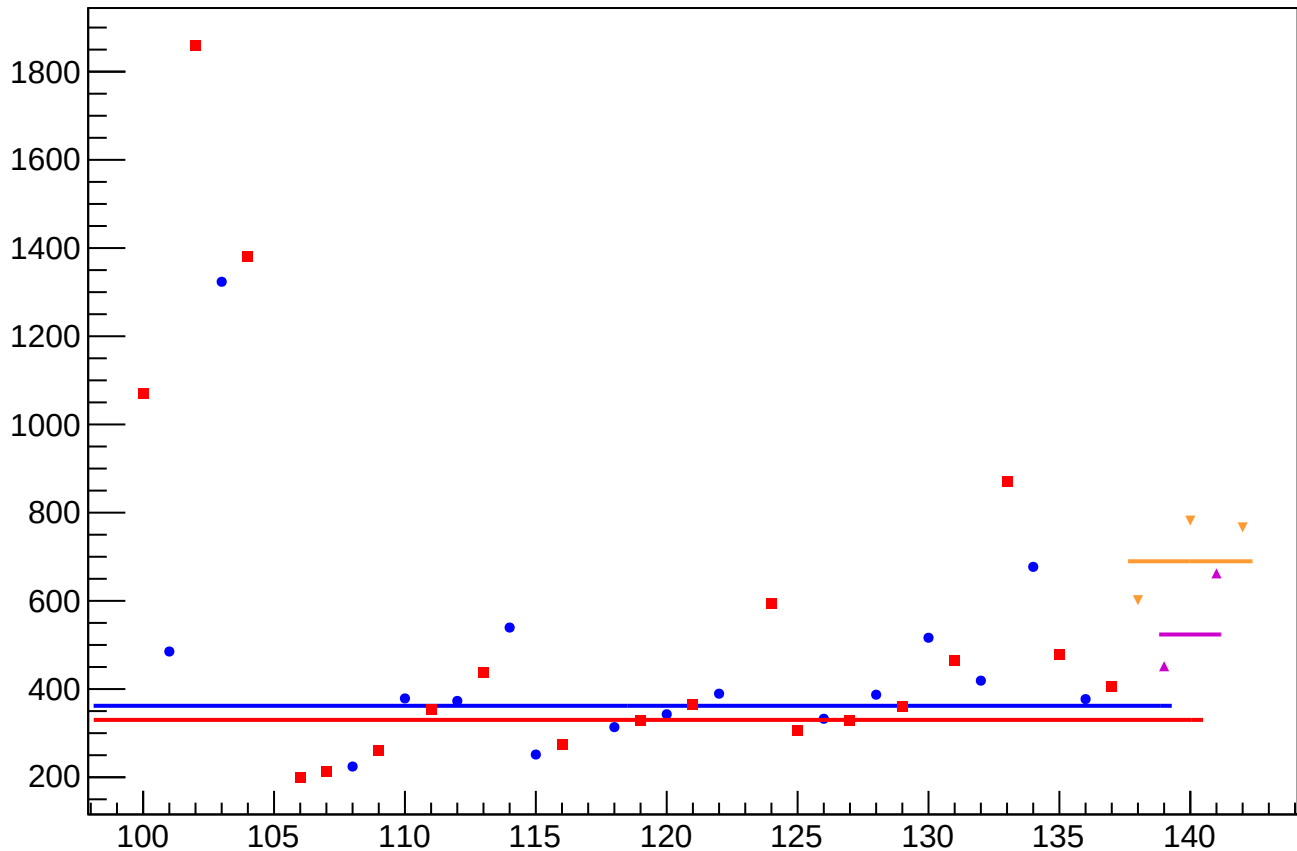
Left In: 0.560 ± 0.414 χ^2/NDF : 4.9/1

+ sign -0.026 ± 0.139 χ^2/NDF : 14.3/18

All: -0.072 ± 0.095 χ^2/NDF : 46.1/39

- sign -0.113 ± 0.130 χ^2/NDF : 31.6/20

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034 ± 0.102 $\chi^2/\text{NDF}: 1377333.3/15$

Left Out: 689.728 ± 0.349 $\chi^2/\text{NDF}: 63159.3/2$

Right Out: 330.082 ± 0.097 $\chi^2/\text{NDF}: 2246503.8/18$

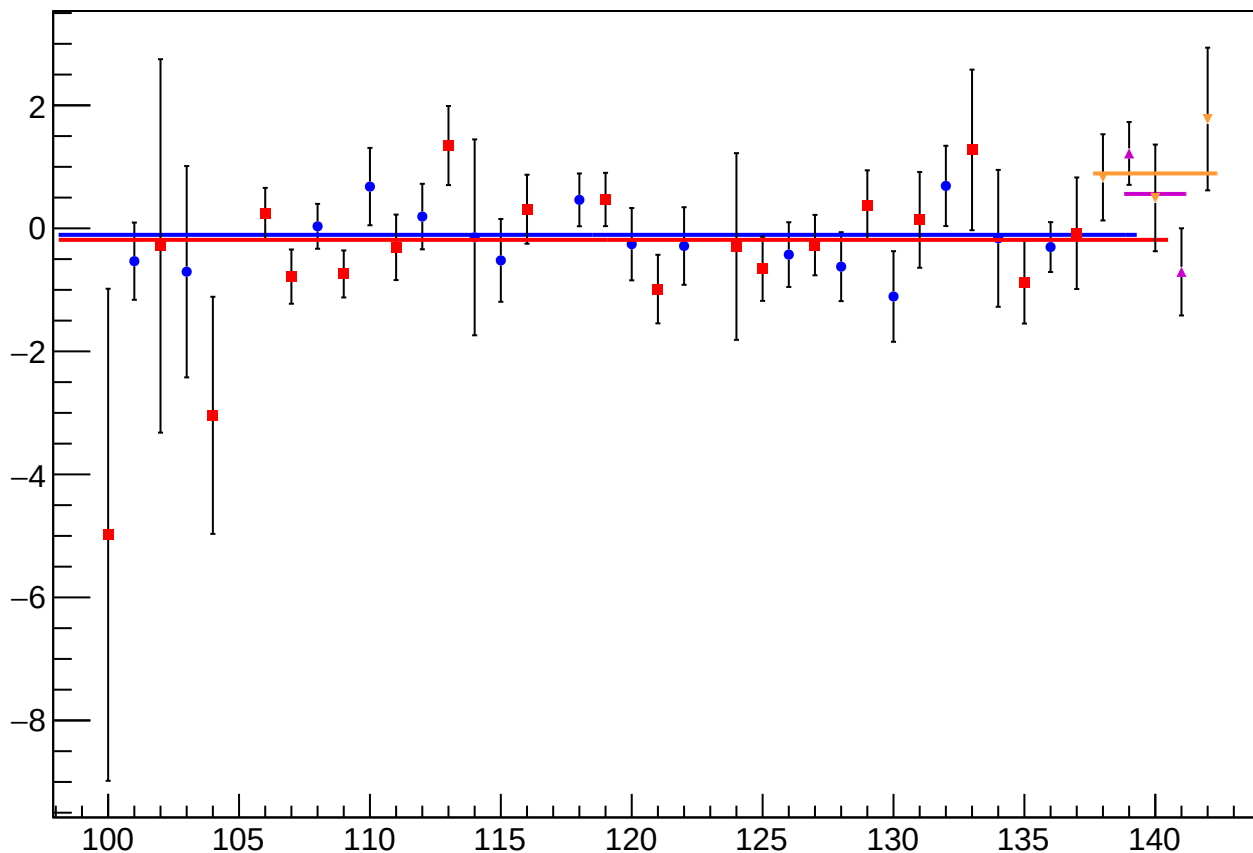
Left In: 523.734 ± 0.293 $\chi^2/\text{NDF}: 116368.1/1$

+ sign 387.995 ± 0.098 $\chi^2/\text{NDF}: 2253278.5/18$

All: 367.432 ± 0.067 $\chi^2/\text{NDF}: 5092649.9/39$

- sign 349.286 ± 0.092 $\chi^2/\text{NDF}: 2756781.5/20$

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: 0.893 ± 0.493 χ^2/NDF : 0.8/2

Right Out: -0.187 ± 0.137 χ^2/NDF : 23.9/18

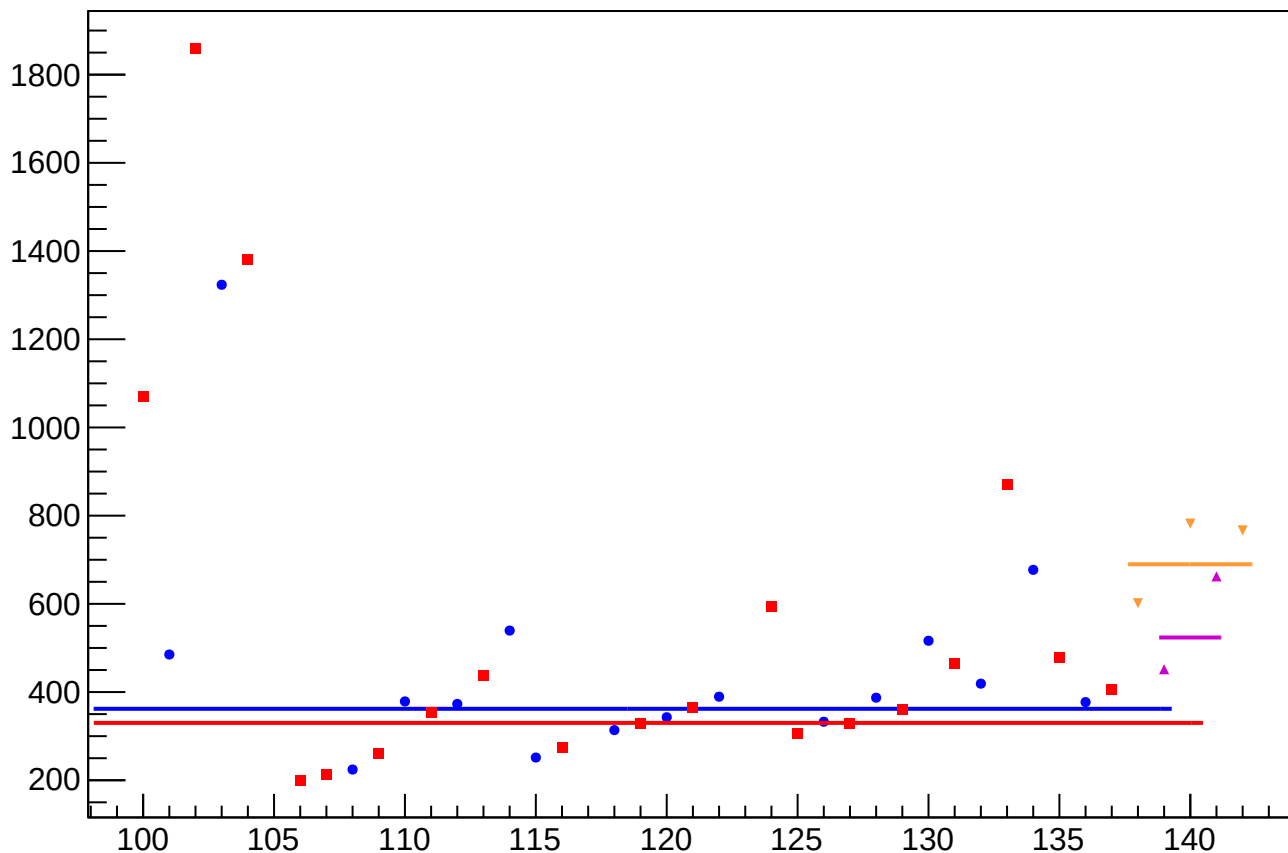
Left In: 0.560 ± 0.414 χ^2/NDF : 4.9/1

+ sign -0.026 ± 0.139 χ^2/NDF : 14.3/18

All: -0.072 ± 0.095 χ^2/NDF : 46.1/39

- sign -0.113 ± 0.130 χ^2/NDF : 31.6/20

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034 $\pm$ 0.102 χ^2 /NDF: 1377333.3/15

Left Out: 689.728 $\pm$ 0.349 χ^2 /NDF: 63159.3/2

Right Out: 330.082 $\pm$ 0.097 χ^2 /NDF: 2246503.8/18

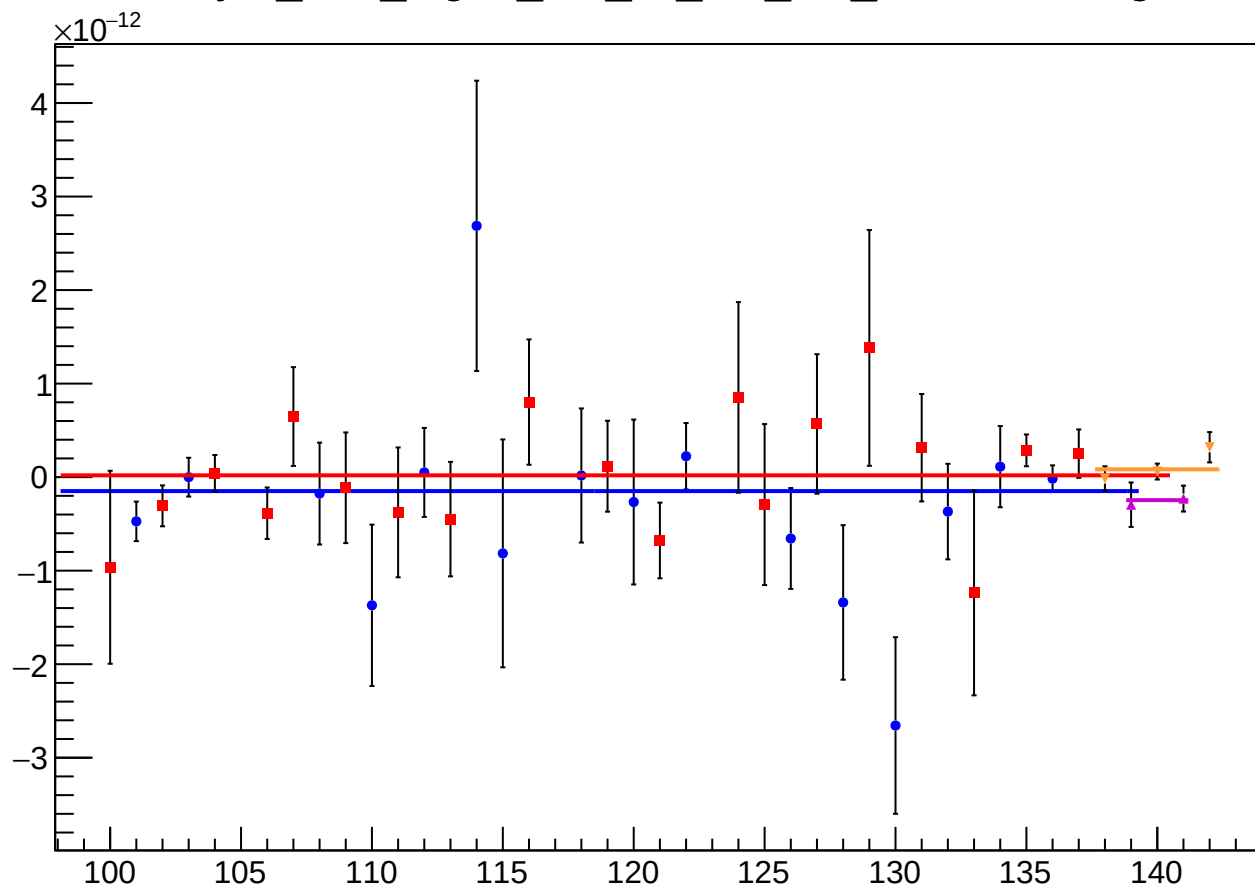
Left In: 523.734 $\pm$ 0.293 χ^2 /NDF: 116368.1/1

+ sign 387.995 $\pm$ 0.098 χ^2 /NDF: 2253278.5/18

All: 367.432 $\pm$ 0.067 χ^2 /NDF: 5092649.9/39

- sign 349.286 $\pm$ 0.092 χ^2 /NDF: 2756781.5/20

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 : 2.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 19.4/18

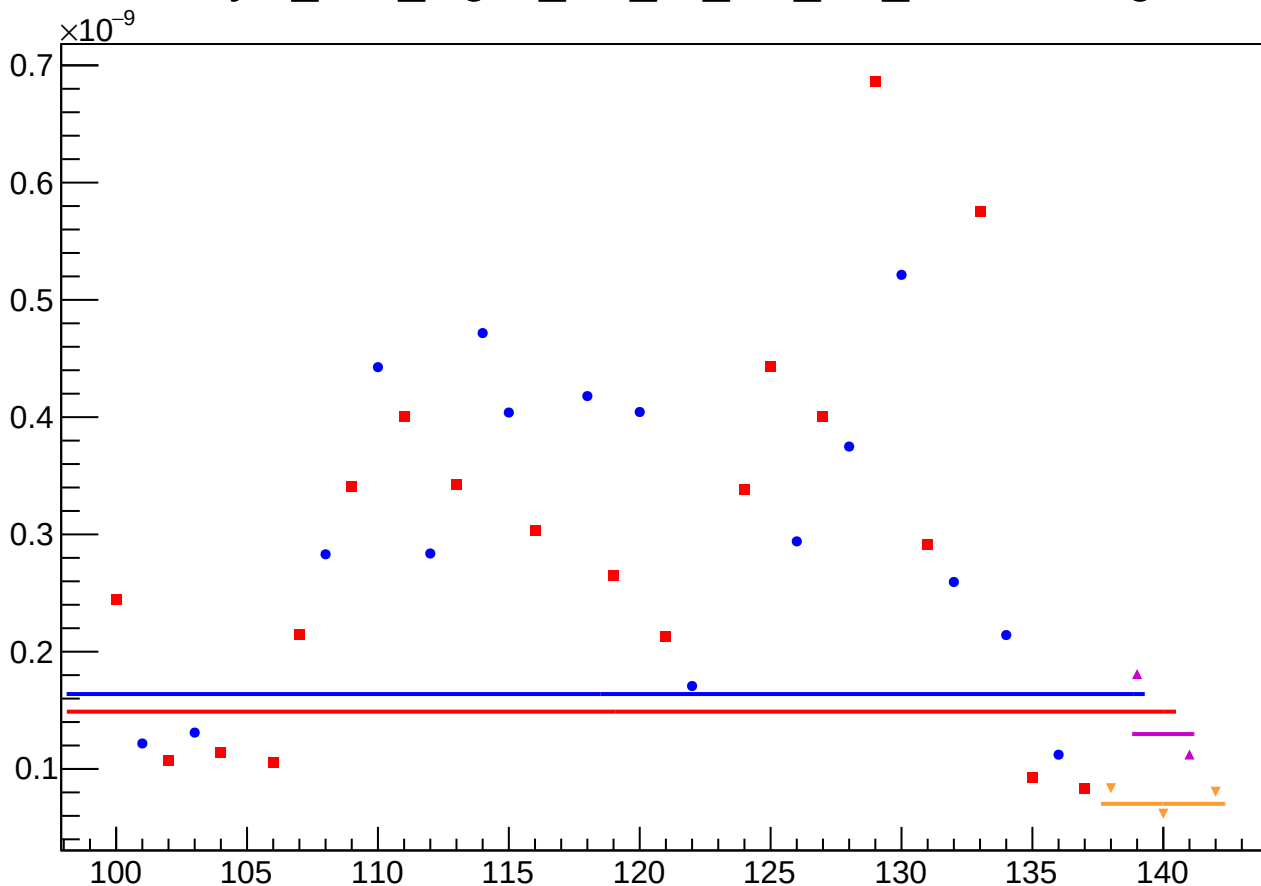
Left In: -0.000+/-0.000 χ^2/NDF : 0.1/1

+ sign -0.000+/-0.000 χ^2/NDF : 28.6/18

All: -0.000+/-0.000 χ^2/NDF : 52.0/39

- sign -0.000+/-0.000 χ^2/NDF : 22.8/20

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 : 48432.0/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2846265.5/18

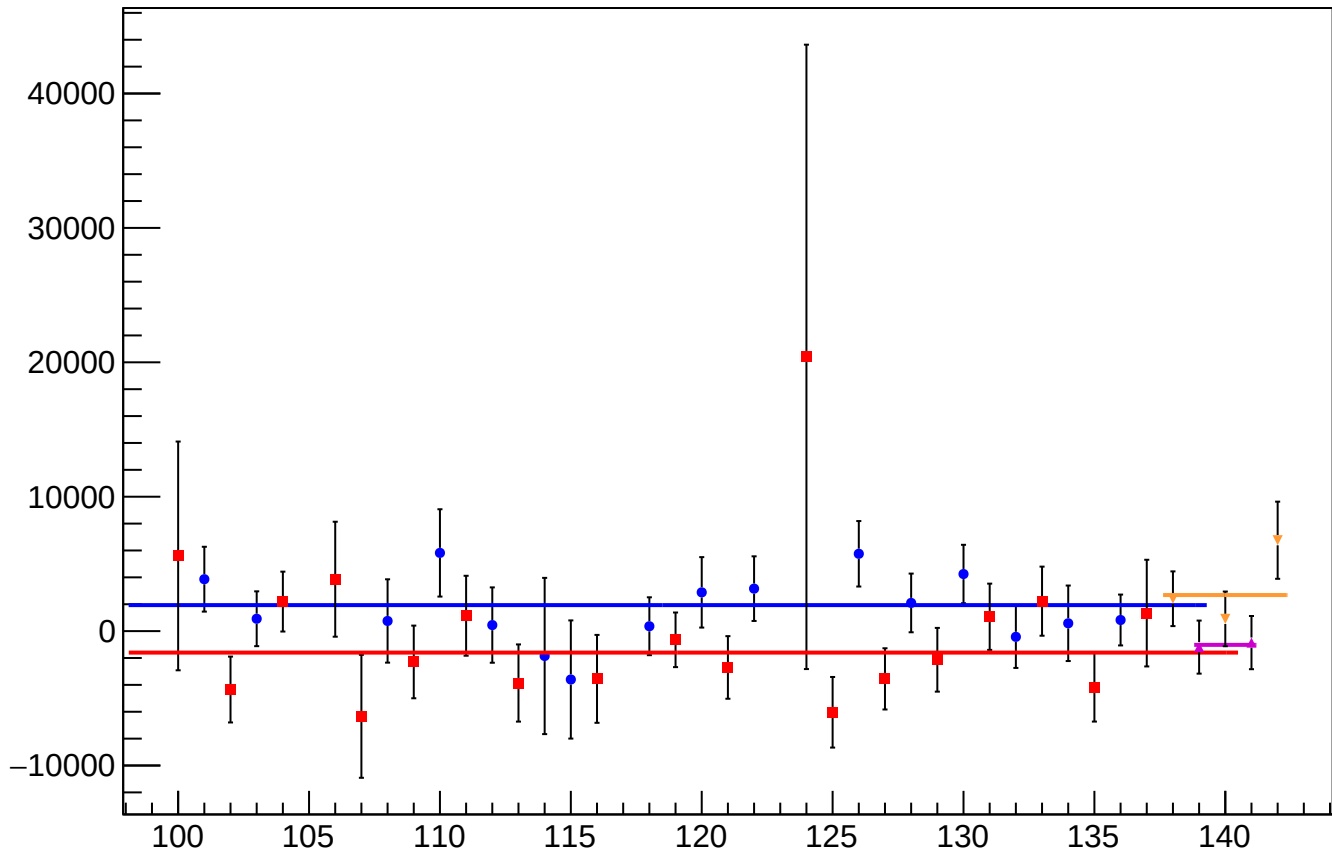
Left In: 0.000+/-0.000 χ^2/NDF : 124534.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 3534619.4/18

All: 0.000+/-0.000 χ^2/NDF : 6944155.4/39

- sign 0.000+/-0.000 χ^2/NDF : 3005032.3/20

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755 $\pm$ 627.874 χ^2 /NDF: 10.9/15

Left Out: 2683.704 $\pm$ 1286.452 χ^2 /NDF: 2.8/2

Right Out: -1597.959 $\pm$ 642.207 χ^2 /NDF: 19.4/18

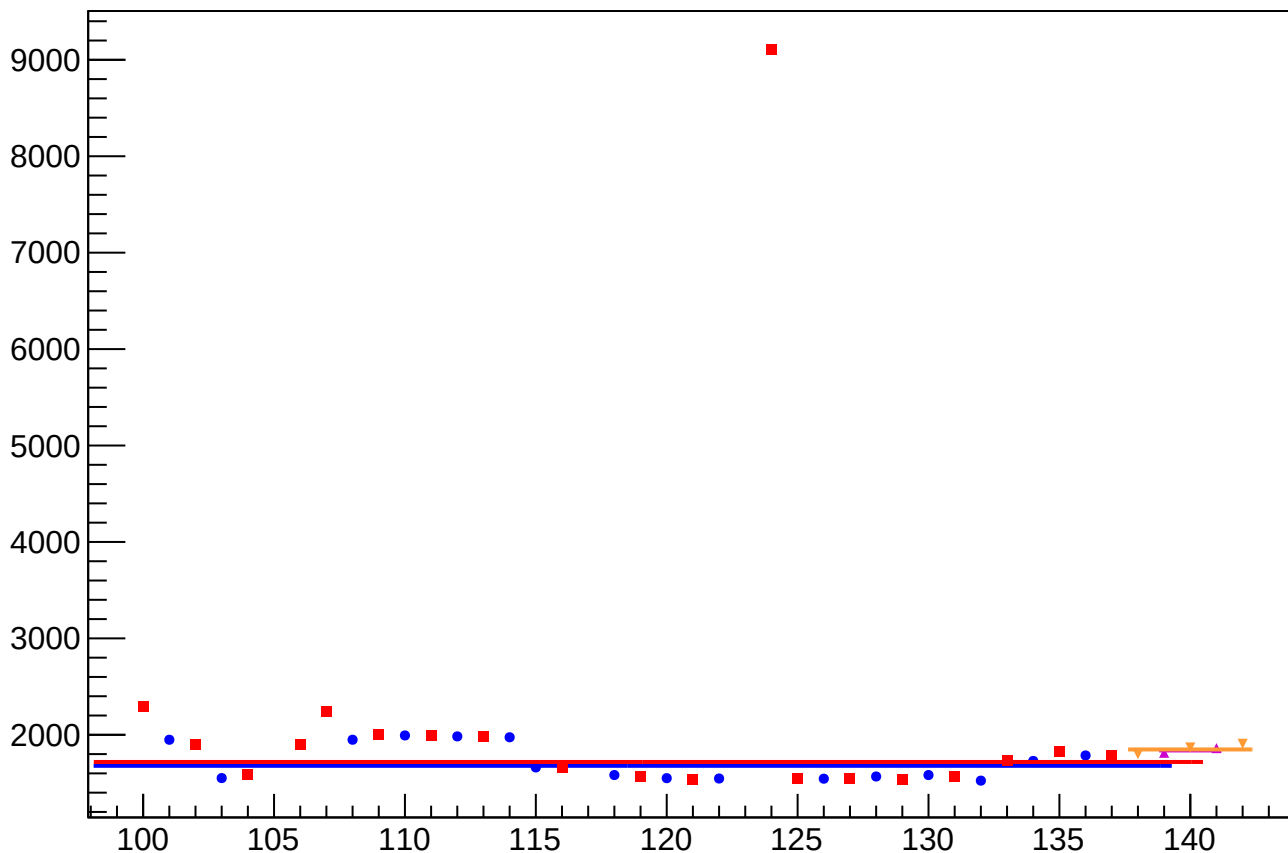
Left In: -1023.008 $\pm$ 1397.568 χ^2 /NDF: 0.0/1

+ sign 2078.839 $\pm$ 564.255 χ^2 /NDF: 14.0/18

All: 350.651 $\pm$ 405.637 χ^2 /NDF: 52.9/39

- sign -1497.721 $\pm$ 583.545 χ^2 /NDF: 19.6/20

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.6/15

Left Out: 1848.070+/-0.910 χ^2/NDF : 2239.8/2

Right Out: 1718.312+/-0.452 χ^2/NDF : 383179.3/18

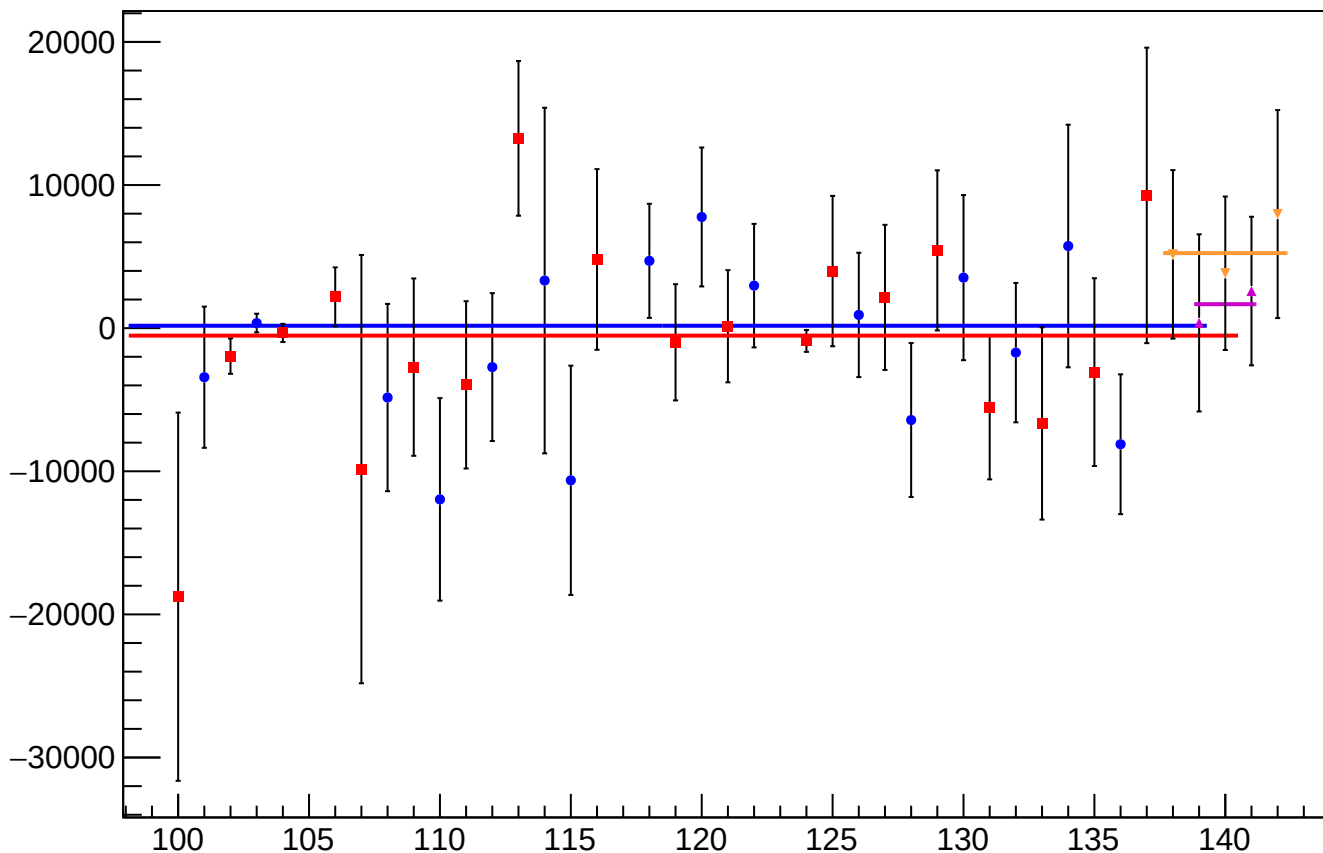
Left In: 1837.971+/-0.988 χ^2/NDF : 587.2/1

+ sign 1711.157+/-0.399 χ^2/NDF : 171772.0/18

All: 1724.670+/-0.286 χ^2/NDF : 570028.2/39

- sign 1739.011+/-0.411 χ^2/NDF : 395891.7/20

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283 $\pm$ 591.607 χ^2 /NDF: 15.8/15

Left Out: 5245.288 $\pm$ 3479.718 χ^2 /NDF: 0.2/2

Right Out: -521.080 $\pm$ 424.783 χ^2 /NDF: 18.5/18

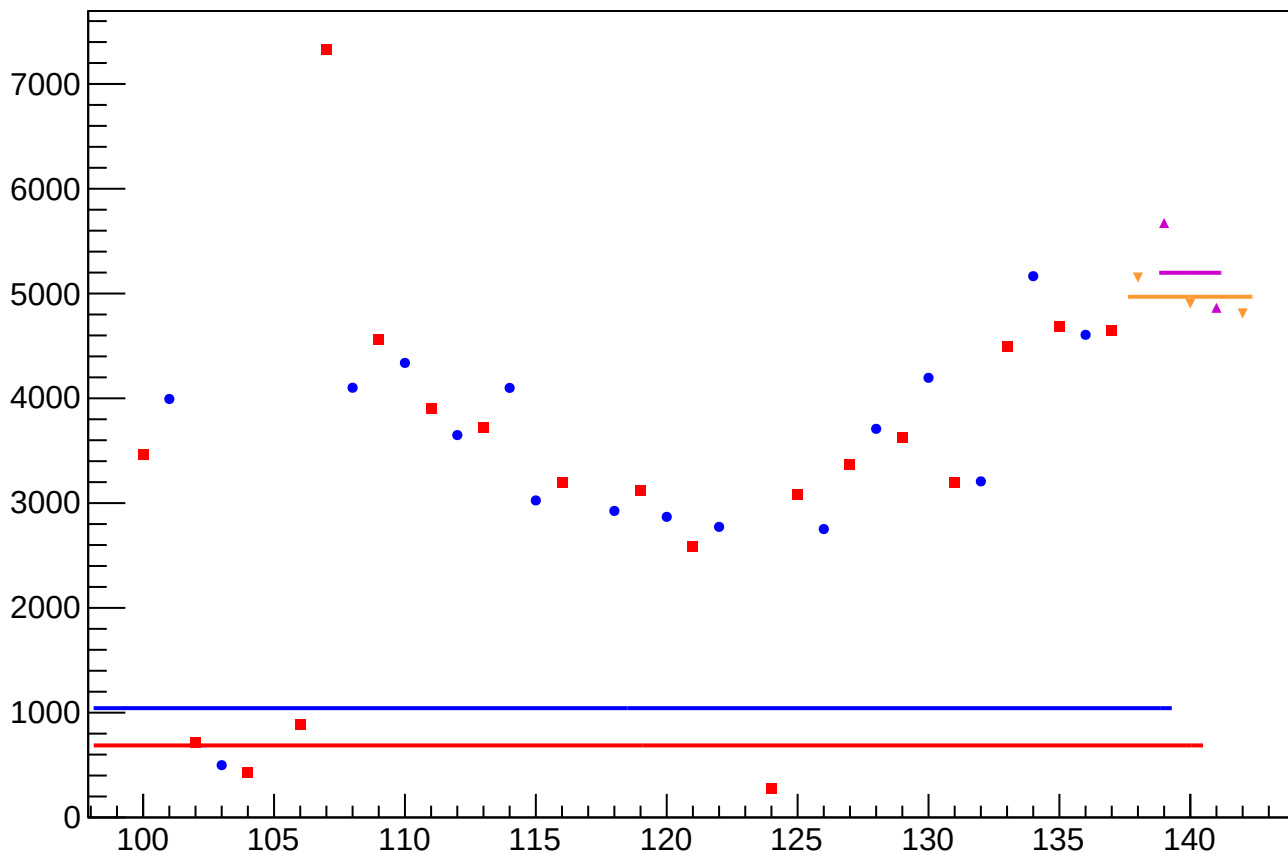
Left In: 1674.422 $\pm$ 3977.504 χ^2 /NDF: 0.1/1

+ sign 310.912 $\pm$ 583.237 χ^2 /NDF: 18.1/18

All: -218.607 $\pm$ 342.094 χ^2 /NDF: 38.3/39

- sign -496.322 $\pm$ 422.381 χ^2 /NDF: 18.9/20

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF : 8111897.6/15

Left Out: 4969.155+/-2.461 χ^2/NDF :3197.0/2

Right Out: 687.329+/-0.300 χ^2/NDF : 8631529.6/18

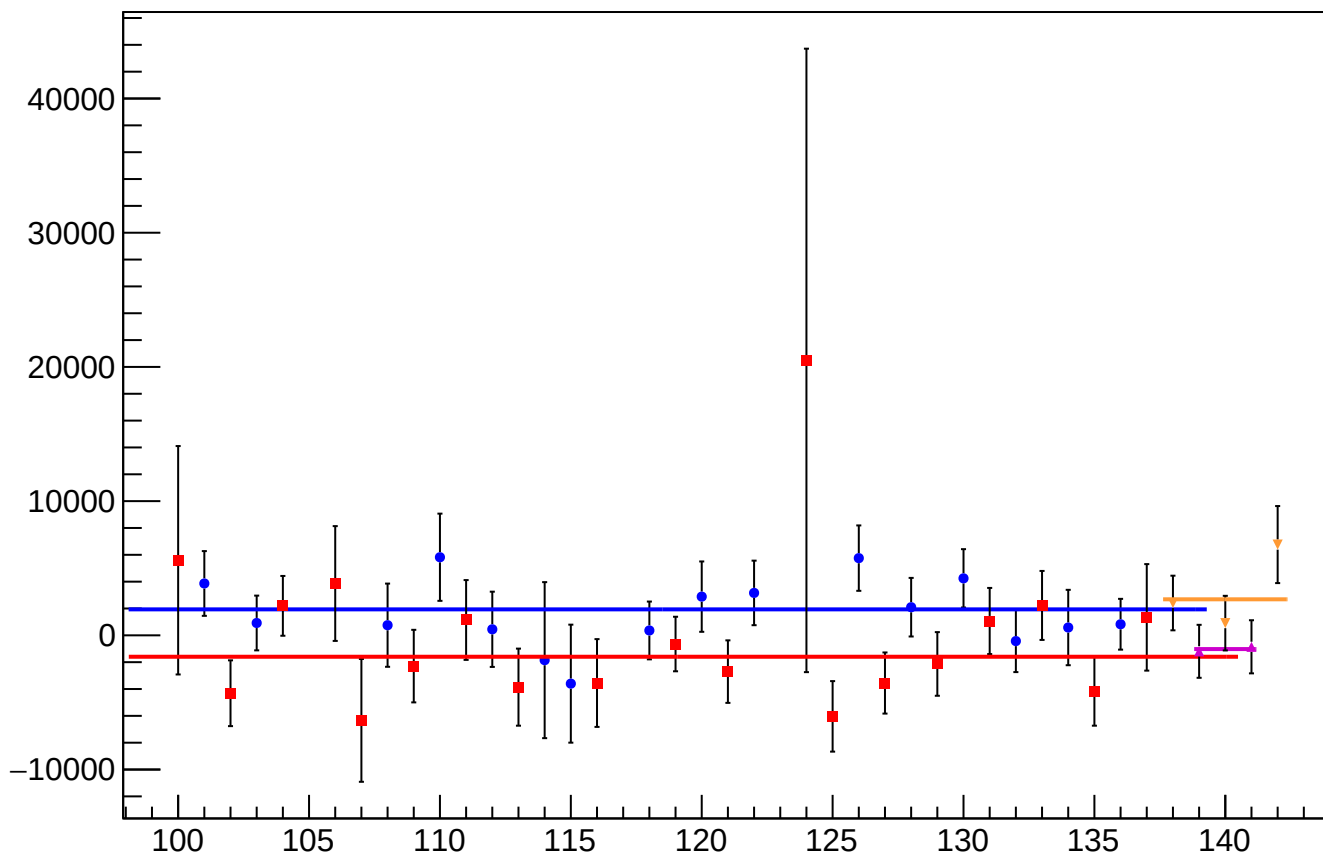
Left In: 5198.362+/-2.813 χ^2/NDF :20064.6/1

+ sign 1153.412+/-0.412 χ^2/NDF : 10589526.0/18

All: 881.046+/-0.242 χ^2/NDF : 22449552.5/39

- sign 738.199+/-0.299 χ^2/NDF : 11195116.3/20

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871 $\pm$ 627.874 χ^2 /NDF: 10.9/15

Left Out: 2683.936 $\pm$ 1286.452 χ^2 /NDF:2.8/2

Right Out: -1595.521 $\pm$ 642.212 χ^2 /NDF: 19.4/18

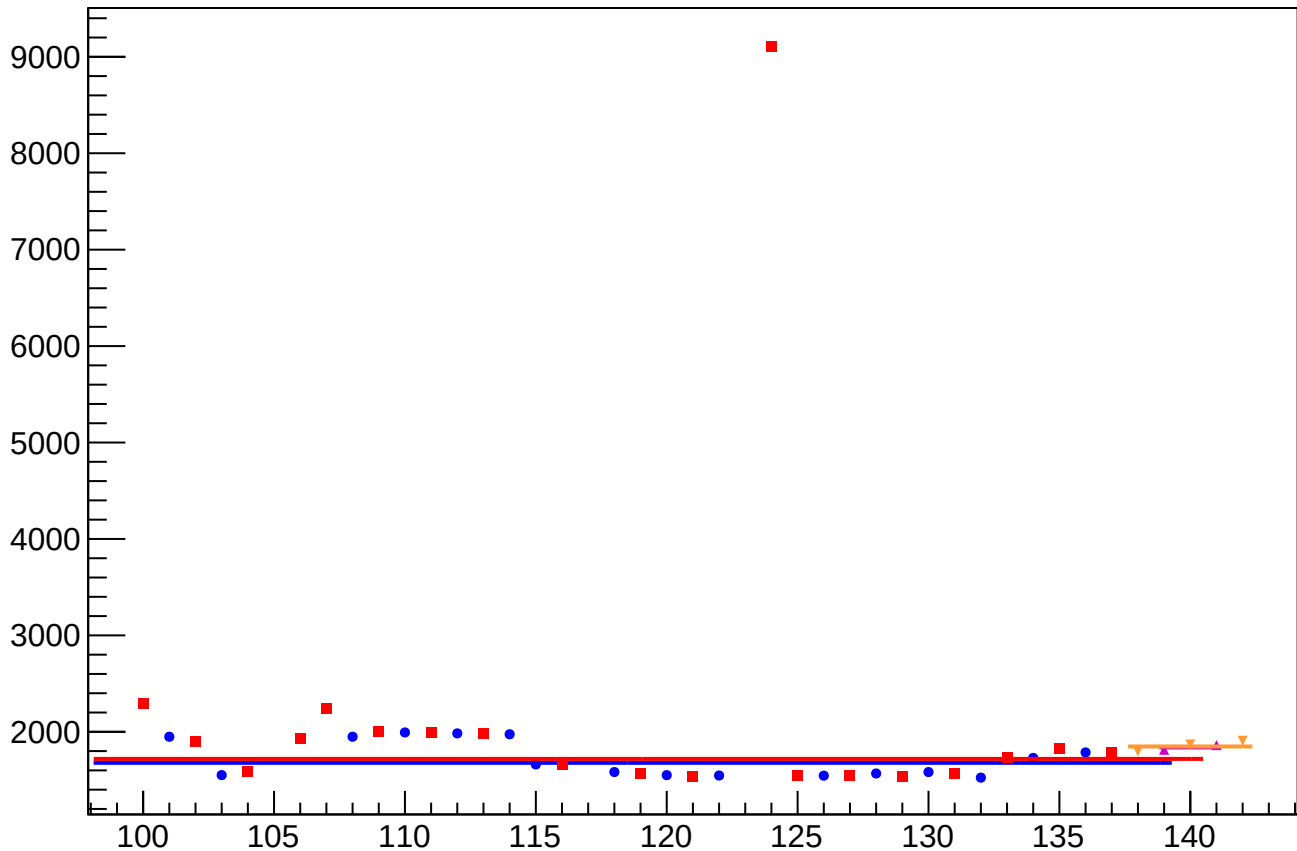
Left In: -1023.162 $\pm$ 1397.568 χ^2 /NDF:0.0/1

+ sign 2078.978 $\pm$ 564.255 χ^2 /NDF: 14.0/18

All: 351.694 $\pm$ 405.638 χ^2 /NDF: 52.9/39

- sign -1495.733 $\pm$ 583.549 χ^2 /NDF: 19.5/20

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.7/15

Left Out: 1848.070+/-0.910 χ^2/NDF : 2239.8/2

Right Out: 1719.146+/-0.452 χ^2/NDF : 384922.3/18

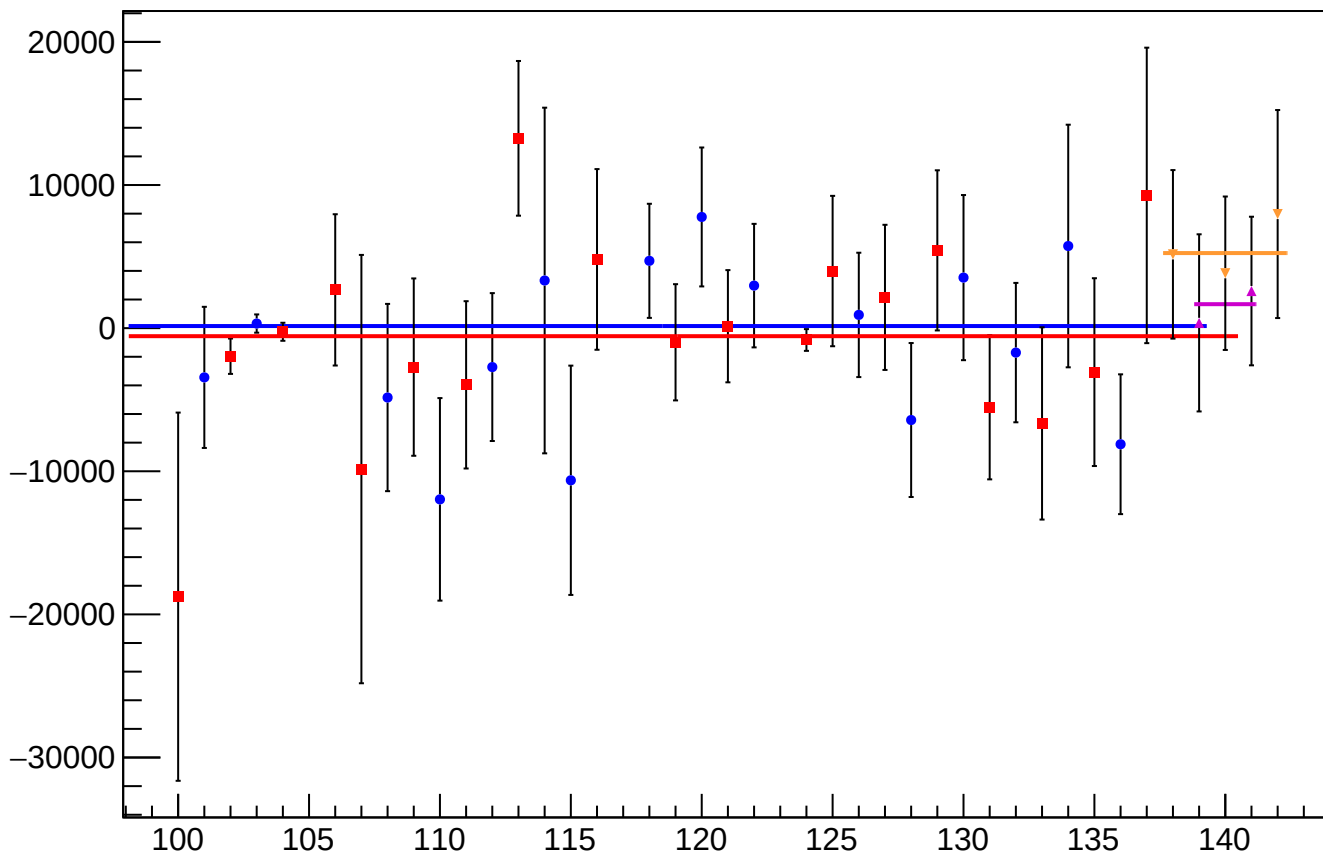
Left In: 1837.971+/-0.988 χ^2/NDF : 587.2/1

+ sign 1711.157+/-0.399 χ^2/NDF : 171772.1/18

All: 1725.007+/-0.286 χ^2/NDF : 571721.3/39

- sign 1739.718+/-0.411 χ^2/NDF : 397464.2/20

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548 $\pm$ 579.356 χ^2 /NDF: 15.8/15

Left Out: 5245.607 $\pm$ 3479.724 χ^2 /NDF: 0.2/2

Right Out: -561.454 $\pm$ 430.621 χ^2 /NDF: 17.2/18

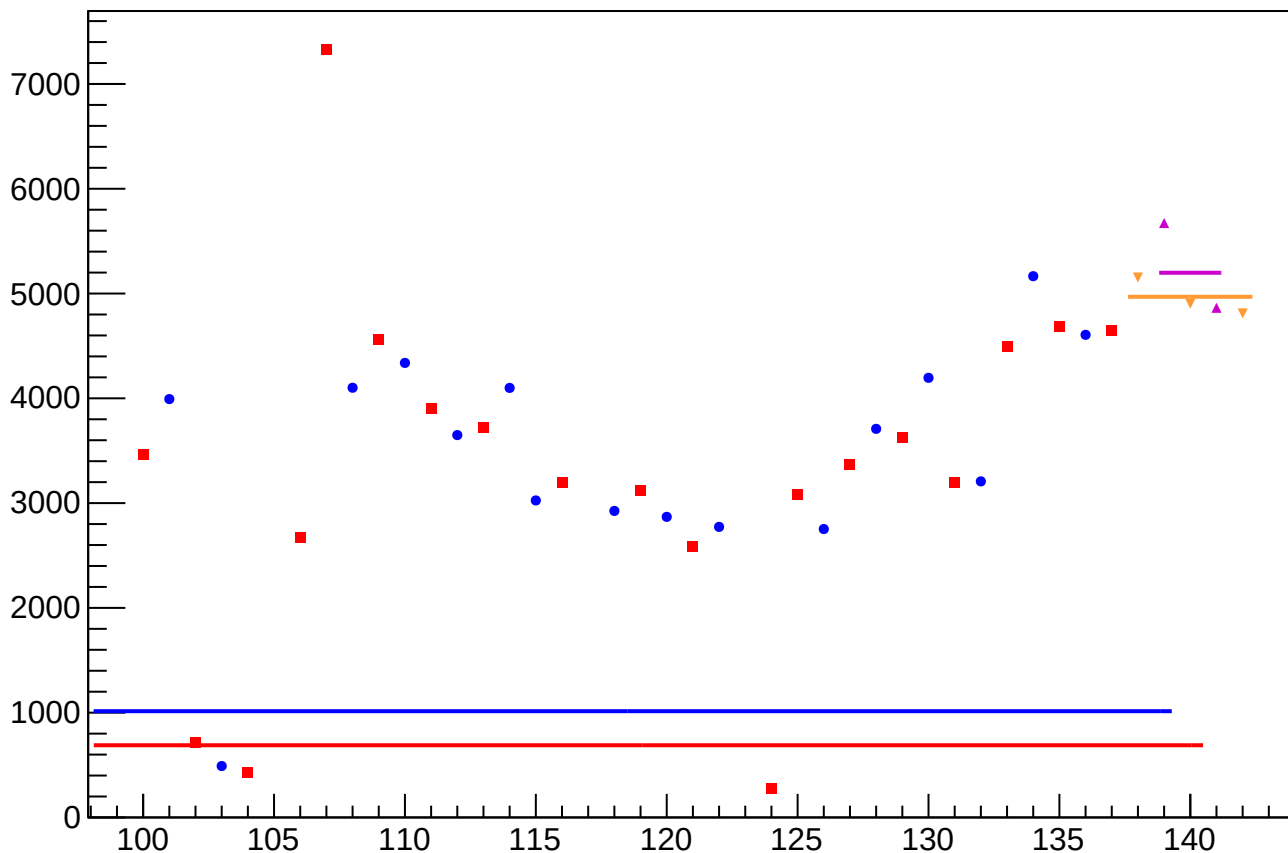
Left In: 1674.325 $\pm$ 3977.502 χ^2 /NDF: 0.1/1

+ sign 284.084 $\pm$ 571.489 χ^2 /NDF: 18.1/18

All: -240.921 $\pm$ 342.639 χ^2 /NDF: 37.0/39

- sign -535.552 $\pm$ 428.120 χ^2 /NDF: 17.6/20

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF : 8223017.6/15

Left Out: 4969.164+/-2.461 χ^2/NDF : 3196.8/2

Right Out: 689.055+/-0.304 χ^2/NDF : 8910364.4/18

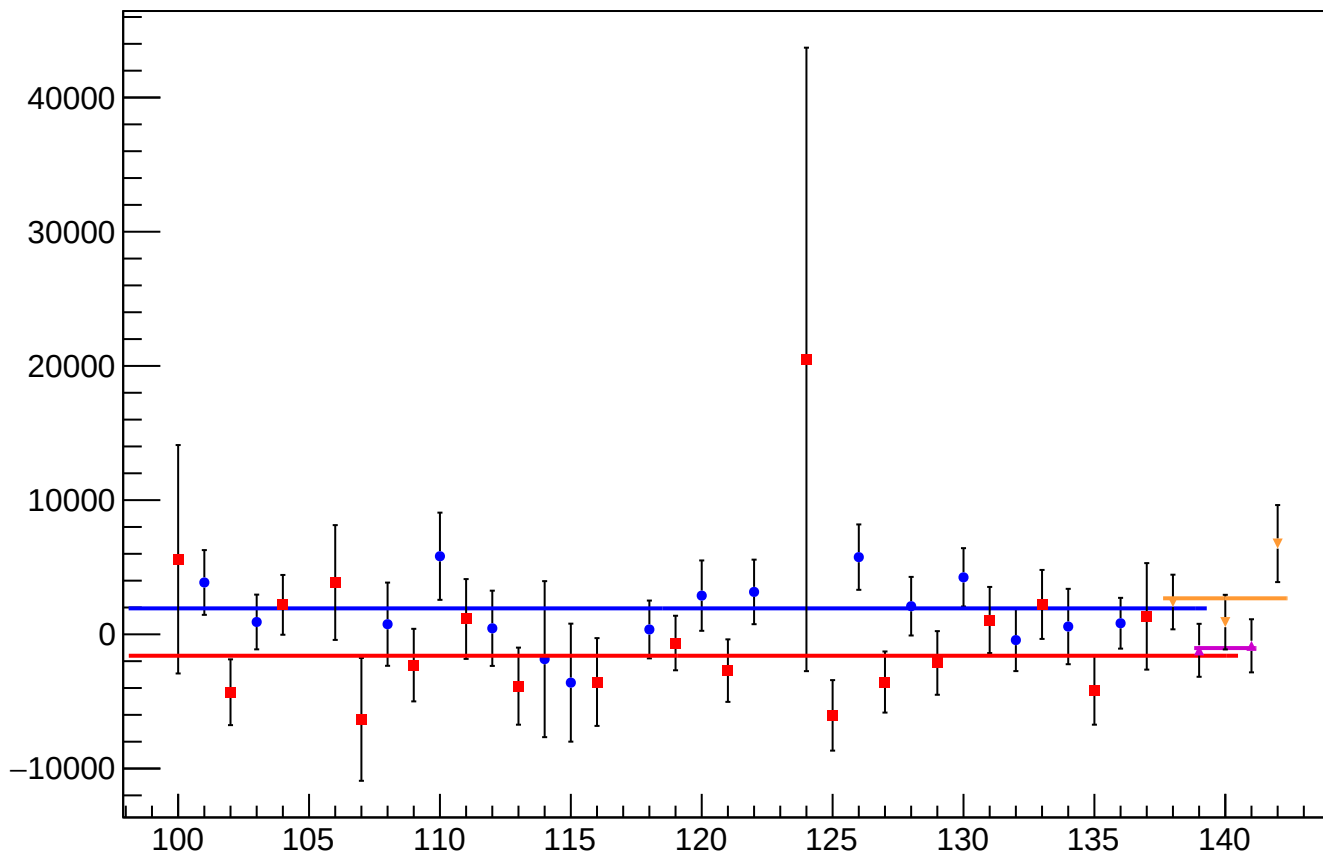
Left In: 5198.359+/-2.813 χ^2/NDF : 20064.9/1

+ sign 1120.774+/-0.404 χ^2/NDF : 10740263.1/18

All: 877.705+/-0.242 χ^2/NDF : 22776318.7/39

- sign 741.296+/-0.303 χ^2/NDF : 11471211.7/20

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF : 10.9/15

Left Out: 2683.936+/-1286.452 χ^2/NDF : 2.8/2

Right Out: -1595.521+/-642.212 χ^2/NDF : 19.4/18

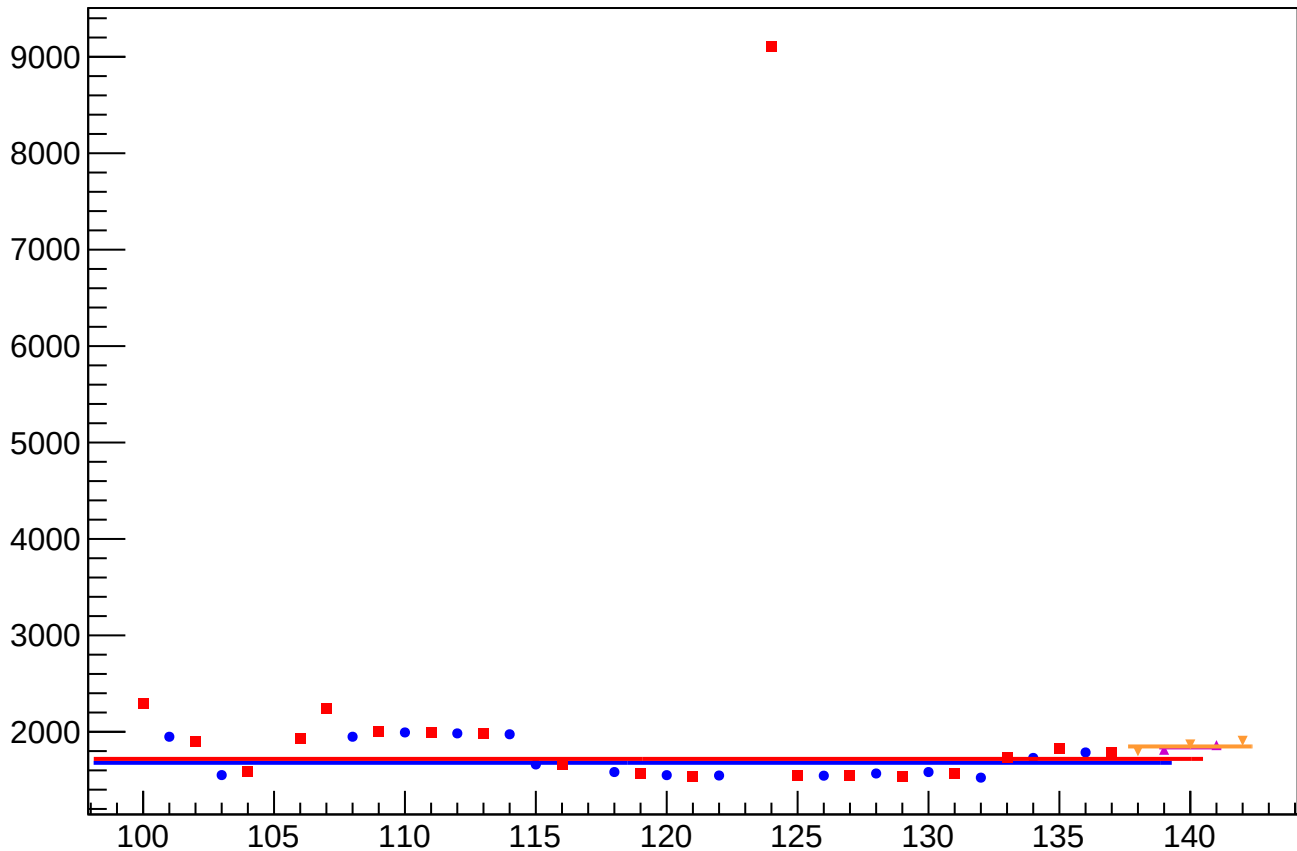
Left In: -1023.162+/-1397.568 χ^2/NDF : 0.0/1

+ sign 2078.978+/-564.255 χ^2/NDF : 14.0/18

All: 351.694+/-405.638 χ^2/NDF : 52.9/39

- sign -1495.733+/-583.549 χ^2/NDF : 19.5/20

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF : 141482.7/15

Left Out: 1848.070+/-0.910 χ^2/NDF : 2239.8/2

Right Out: 1719.146+/-0.452 χ^2/NDF : 384922.3/18

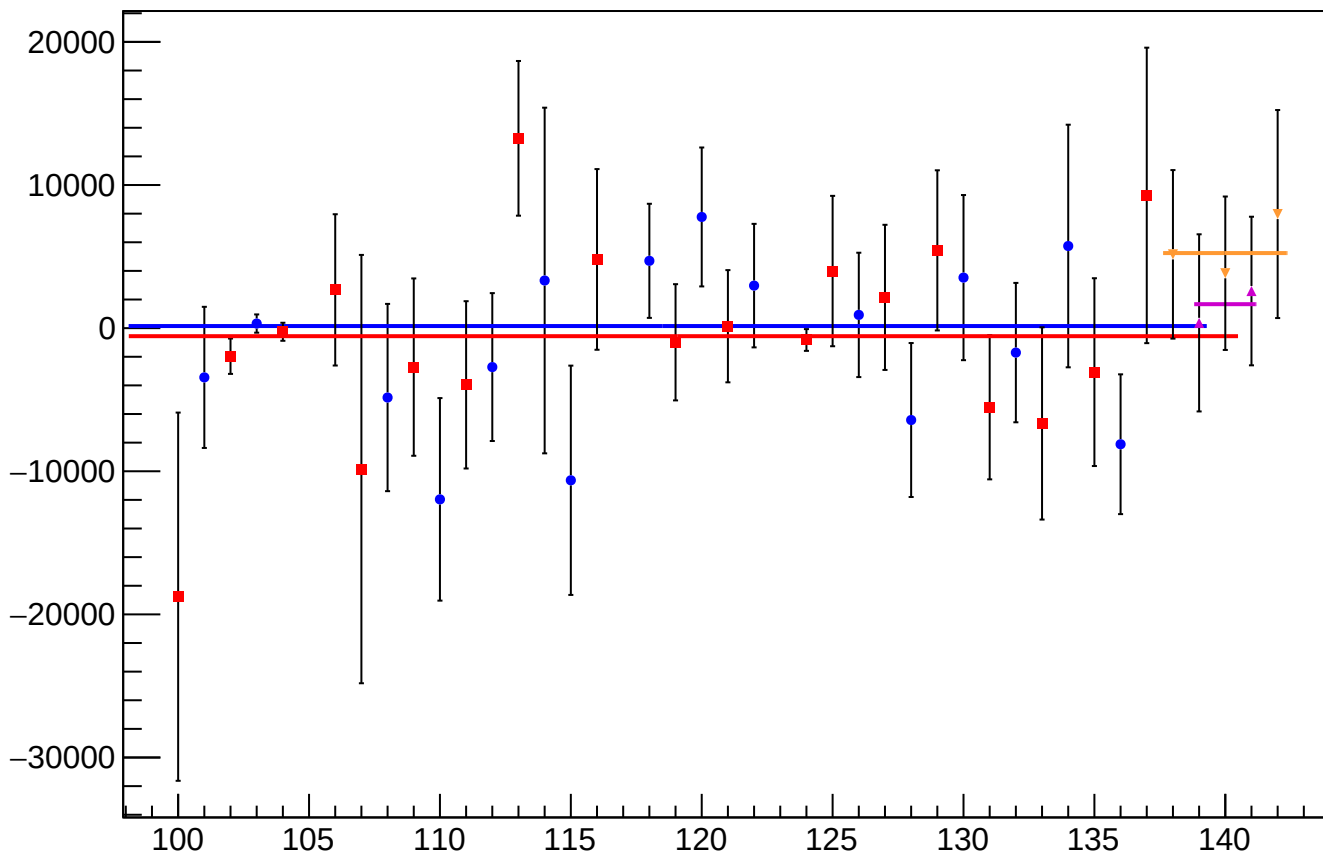
Left In: 1837.971+/-0.988 χ^2/NDF : 587.2/1

+ sign 1711.157+/-0.399 χ^2/NDF : 171772.1/18

All: 1725.007+/-0.286 χ^2/NDF : 571721.3/39

- sign 1739.718+/-0.411 χ^2/NDF : 397464.2/20

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 146.548 $\pm$ 579.356 χ^2 /NDF: 15.8/15

Left Out: 5245.607 $\pm$ 3479.724 χ^2 /NDF: 0.2/2

Right Out: -561.454 $\pm$ 430.621 χ^2 /NDF: 17.2/18

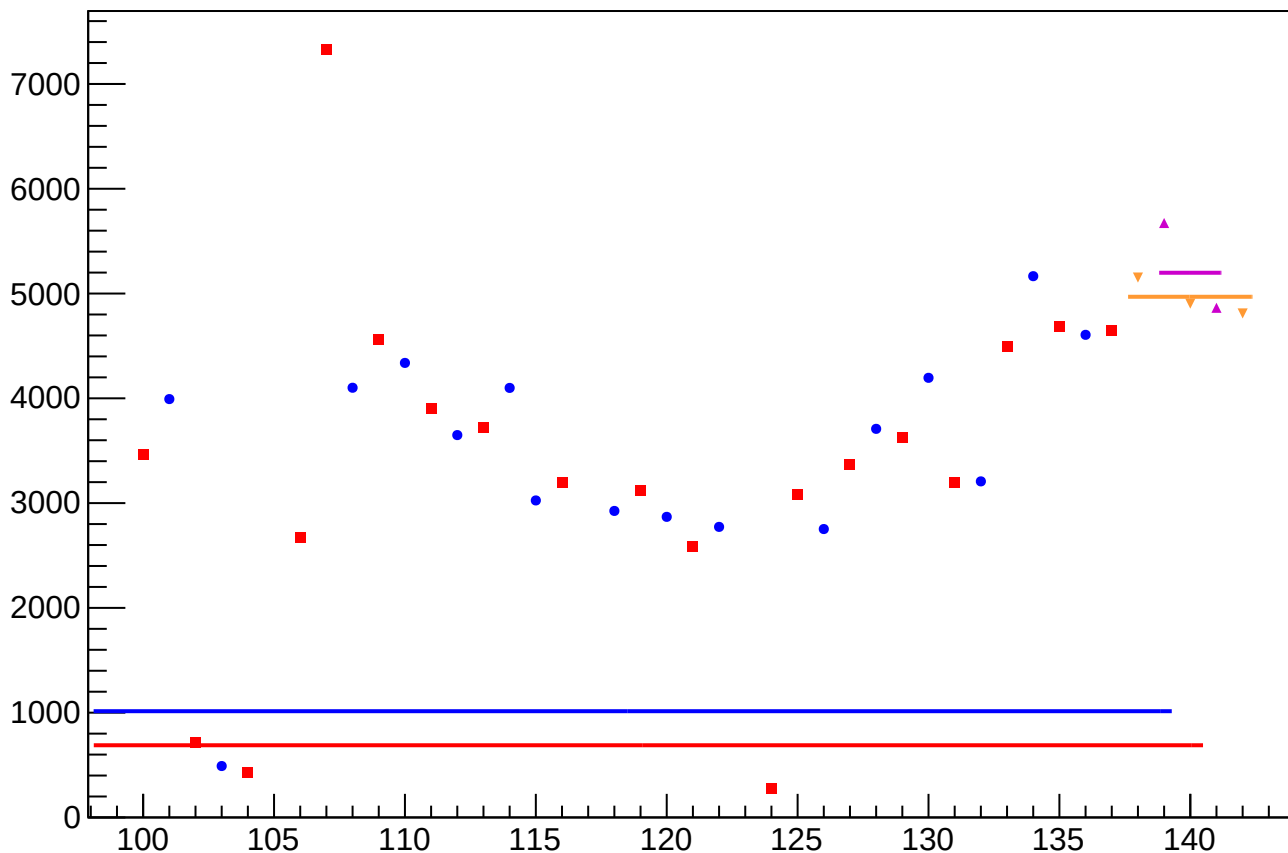
Left In: 1674.325 $\pm$ 3977.502 χ^2 /NDF: 0.1/1

+ sign 284.084 $\pm$ 571.489 χ^2 /NDF: 18.1/18

All: -240.921 $\pm$ 342.639 χ^2 /NDF: 37.0/39

- sign -535.552 $\pm$ 428.120 χ^2 /NDF: 17.6/20

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF : 8223017.6/15

Left Out: 4969.164+/-2.461 χ^2/NDF : 3196.8/2

Right Out: 689.055+/-0.304 χ^2/NDF : 8910364.4/18

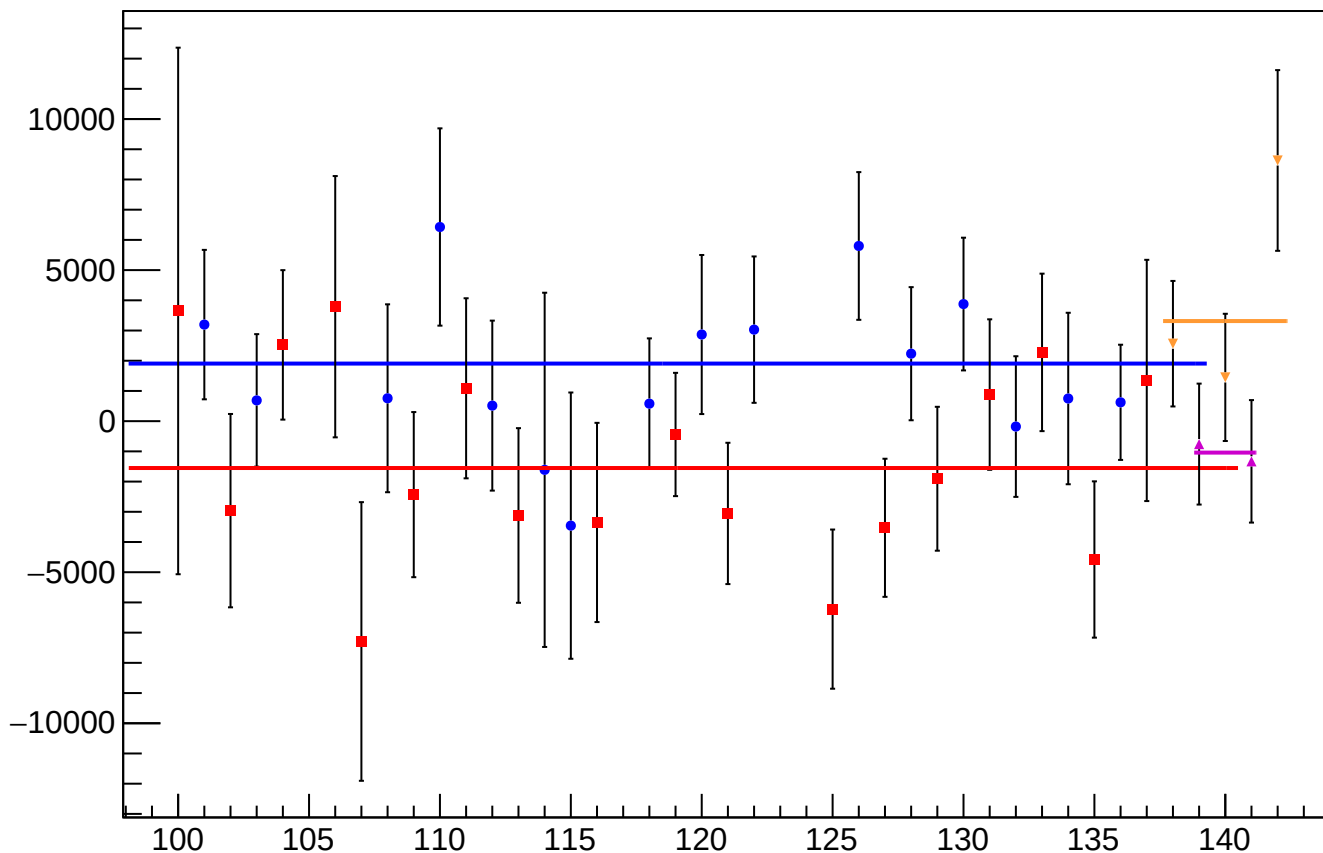
Left In: 5198.359+/-2.813 χ^2/NDF : 20064.9/1

+ sign 1120.774+/-0.404 χ^2/NDF : 10740263.1/18

All: 877.705+/-0.242 χ^2/NDF : 22776318.7/39

- sign 741.296+/-0.303 χ^2/NDF : 11471211.7/20

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205 $\pm$ 636.433 χ^2 /NDF: 10.2/15

Left Out: 3313.493 $\pm$ 1325.594 χ^2 /NDF:4.1/2

Right Out: -1550.986 $\pm$ 661.054 χ^2 /NDF: 17.5/17

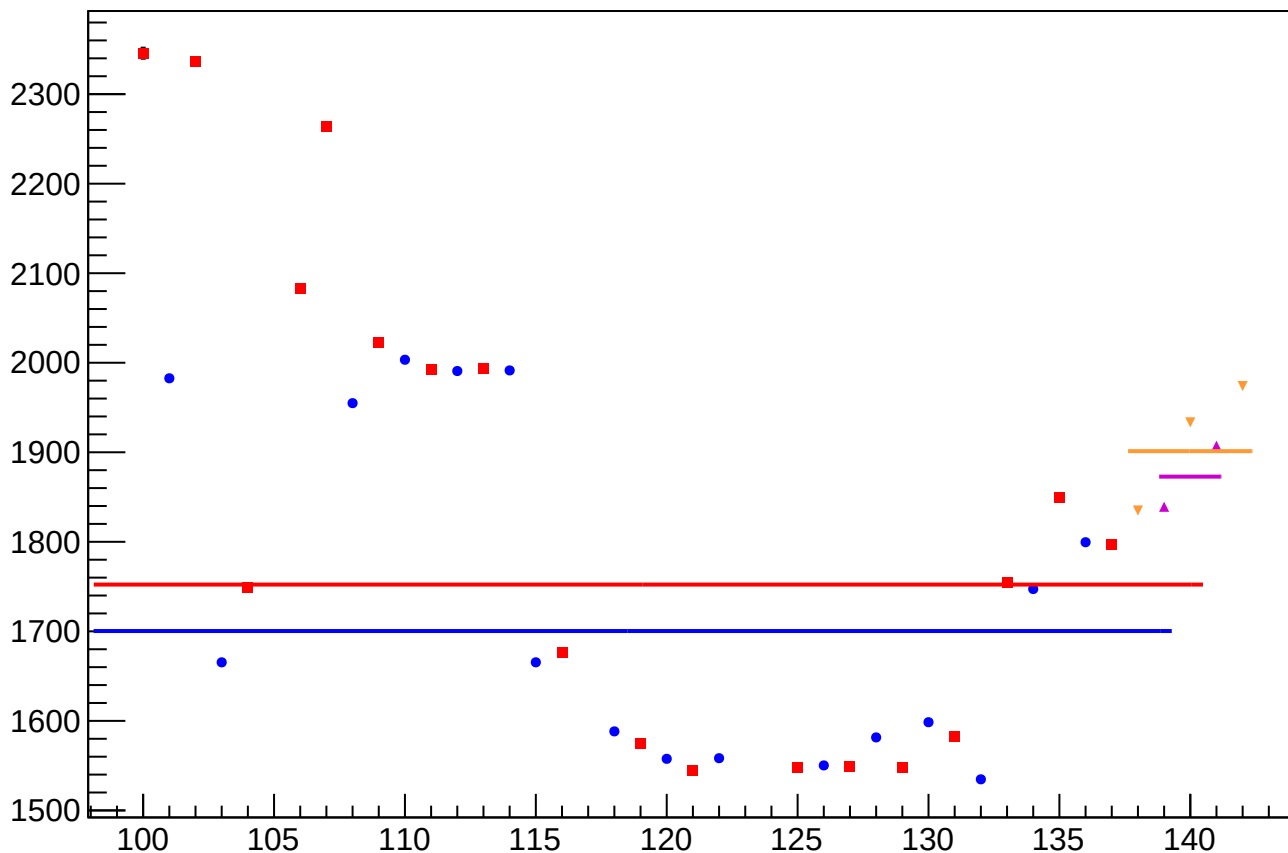
Left In: -1040.808 $\pm$ 1424.394 χ^2 /NDF:0.0/1

+ sign 2169.828 $\pm$ 573.734 χ^2 /NDF: 15.2/18

All: 434.696 $\pm$ 414.543 χ^2 /NDF: 52.0/38

- sign -1460.575 $\pm$ 599.626 χ^2 /NDF: 17.6/19

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357 $\pm$ 0.450 χ^2/NDF : 135419.2/15

Left Out: 1901.269 $\pm$ 0.937 χ^2/NDF : 3685.5/2

Right Out: 1752.239 $\pm$ 0.466 χ^2/NDF : 247952.8/17

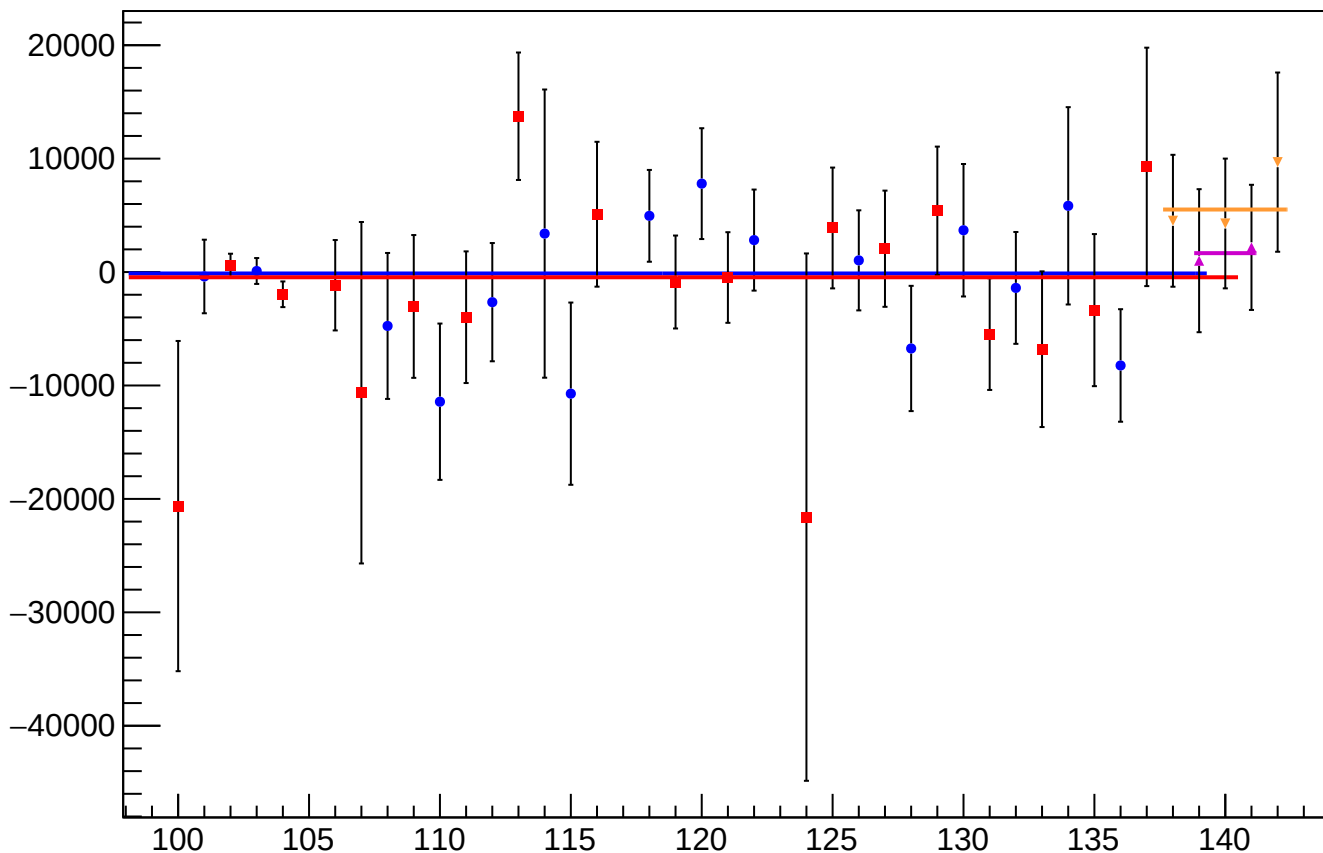
Left In: 1872.804 $\pm$ 1.007 χ^2/NDF : 1145.1/1

+ sign 1737.993 $\pm$ 0.406 χ^2/NDF : 176441.6/18

All: 1755.009 $\pm$ 0.293 χ^2/NDF : 441011.9/38

- sign 1773.525 $\pm$ 0.423 χ^2/NDF : 260897.0/19

asym_atl_avg_dit_correction_mean vs Slug



Right In: -125.468+/-867.645 χ^2/NDF : 15.1/15

Left Out: 5513.171+/-3623.431 χ^2/NDF : 0.4/2

Right Out: -459.431+/-679.157 χ^2/NDF : 18.5/18

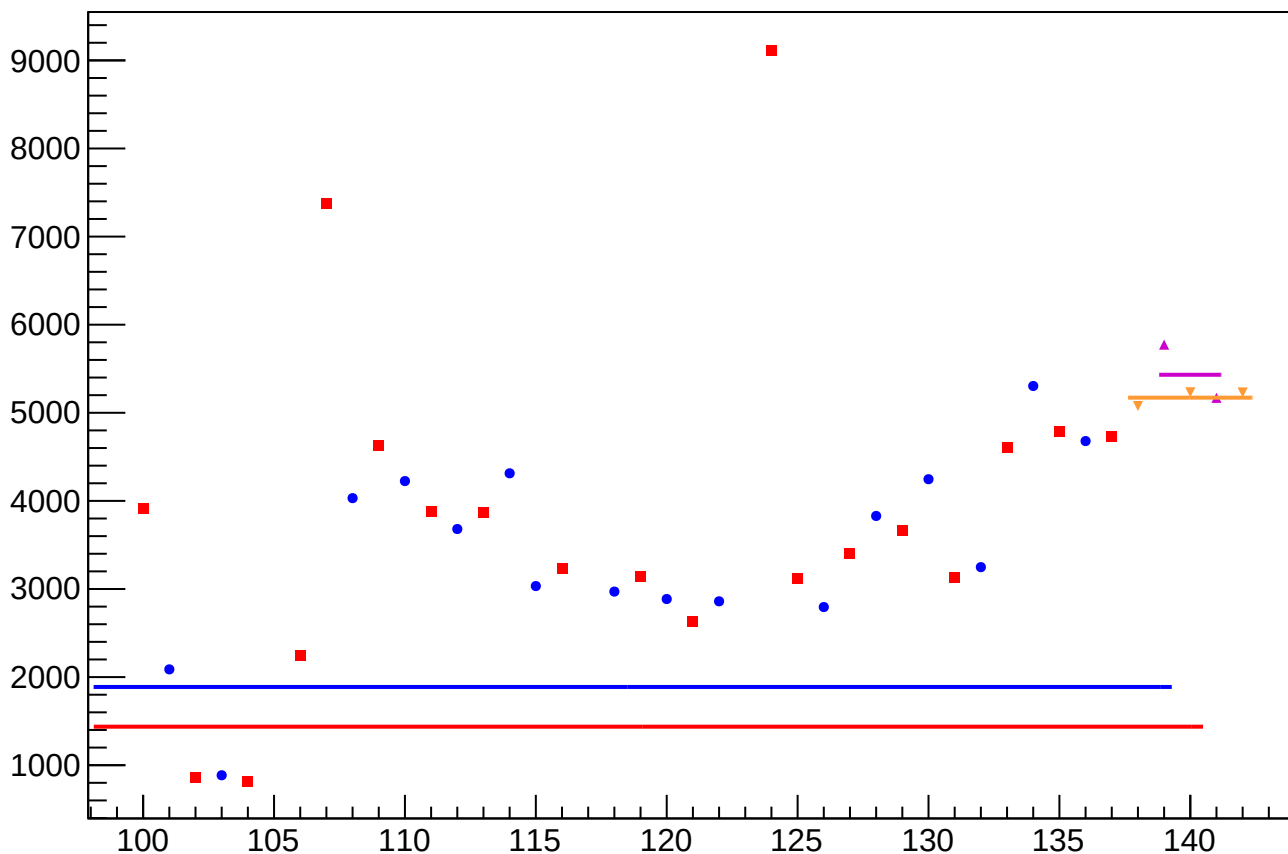
Left In: 1667.139+/-4151.791 χ^2/NDF : 0.0/1

+ sign 180.309+/-843.792 χ^2/NDF : 17.7/18

All: -177.958+/-524.825 χ^2/NDF : 36.8/39

- sign -404.009+/-670.248 χ^2/NDF : 18.8/20

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF : 4425691.6/15

Left Out: 5171.732+/-2.562 χ^2/NDF :865.5/2

Right Out: 1437.108+/-0.480 χ^2/NDF : 5964193.5/18

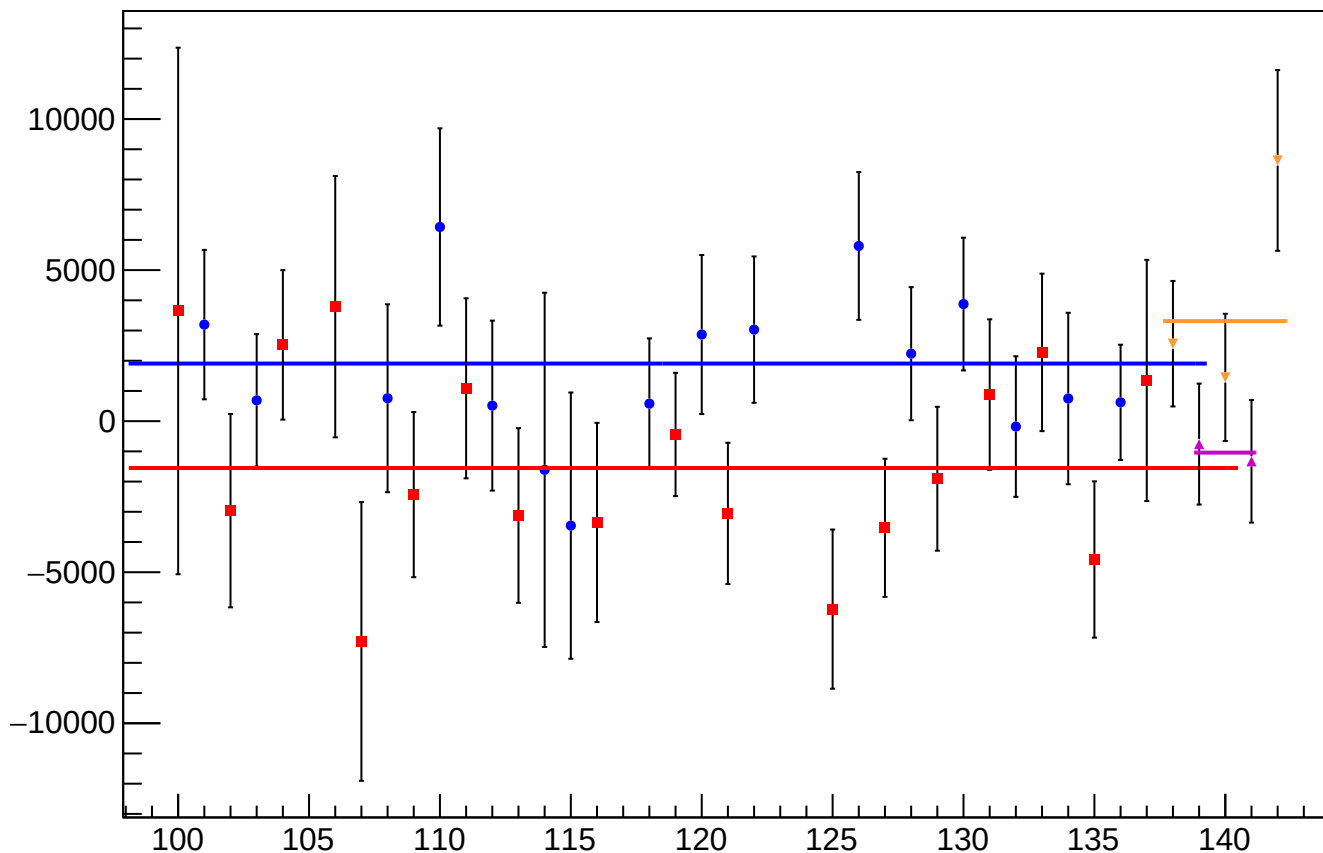
Left In: 5431.582+/-2.936 χ^2/NDF :10384.8/1

+ sign 2066.072+/-0.597 χ^2/NDF : 5980058.3/18

All: 1744.260+/-0.371 χ^2/NDF : 14232161.2/3

- sign 1541.210+/-0.474 χ^2/NDF : 7777636.2/20

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF : 10.2/15

Left Out: 3313.508+/-1325.595 χ^2/NDF : 4.1/2

Right Out: -1550.983+/-661.054 χ^2/NDF : 17.5/17

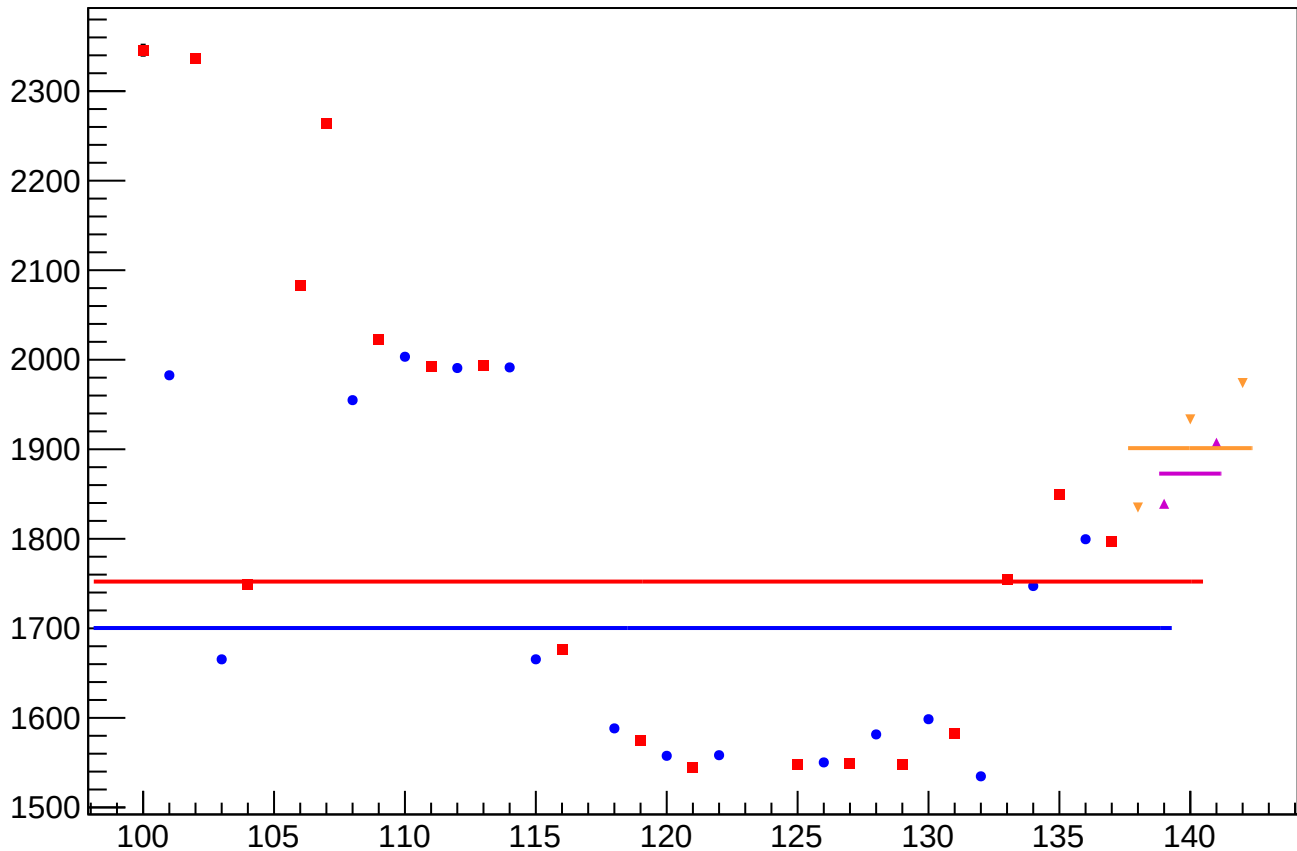
Left In: -1040.805+/-1424.395 χ^2/NDF : 0.0/1

+ sign 2169.829+/-573.734 χ^2/NDF : 15.2/18

All: 434.698+/-414.542 χ^2/NDF : 52.0/38

- sign -1460.572+/-599.626 χ^2/NDF : 17.6/19

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357 $\pm$ 0.450 χ^2/NDF : 135419.5/15

Left Out: 1901.270 $\pm$ 0.937 χ^2/NDF : 3685.7/2

Right Out: 1752.238 $\pm$ 0.466 χ^2/NDF : 247952.3/17

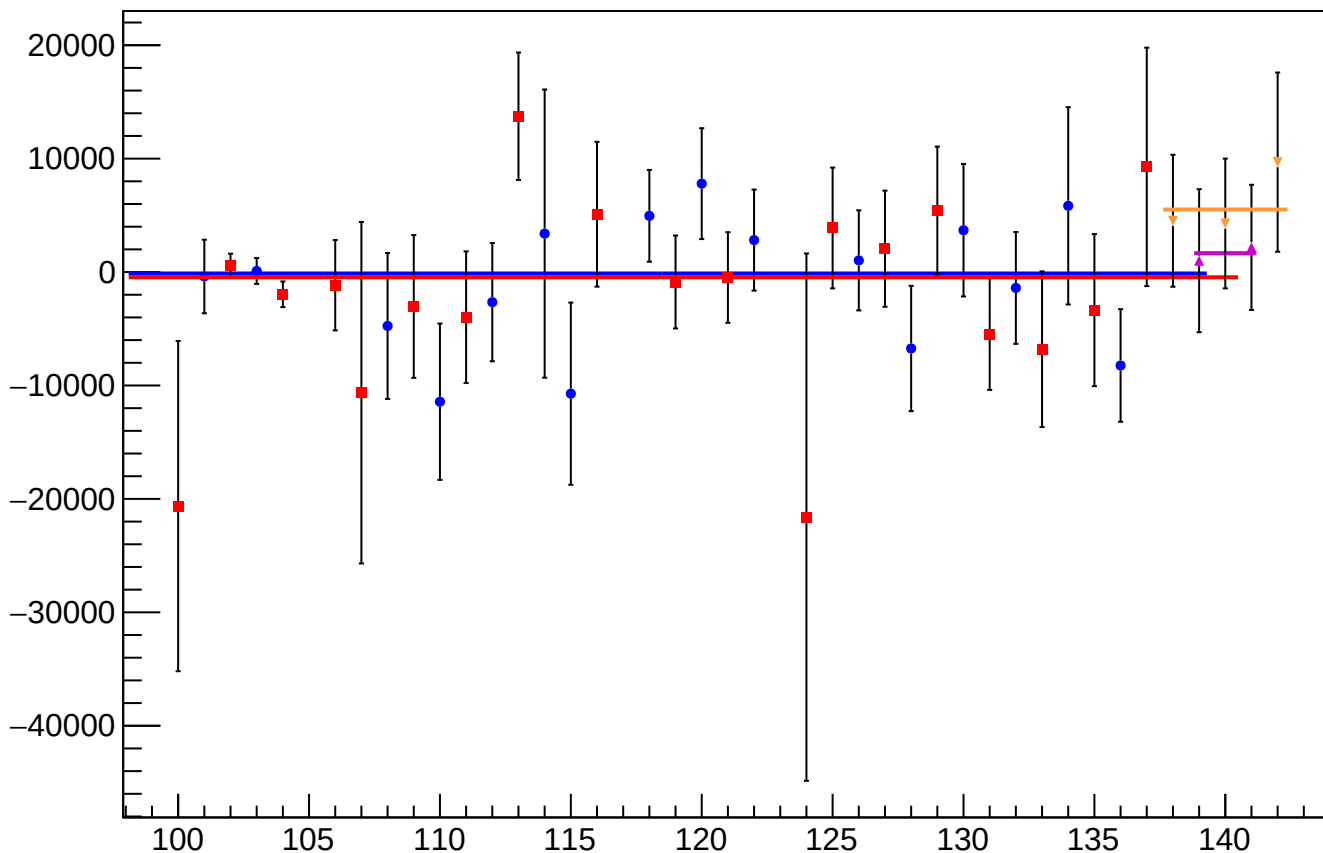
Left In: 1872.805 $\pm$ 1.007 χ^2/NDF : 1145.1/1

+ sign 1737.993 $\pm$ 0.406 χ^2/NDF : 176442.4/18

All: 1755.008 $\pm$ 0.293 χ^2/NDF : 441012.5/38

- sign 1773.524 $\pm$ 0.423 χ^2/NDF : 260896.8/19

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: -125.464 $\pm$ 867.639 χ^2 /NDF: 15.1/15

Left Out: 5513.194 $\pm$ 3623.441 χ^2 /NDF:0.4/2

Right Out: -459.430 $\pm$ 679.152 χ^2 /NDF: 18.5/18

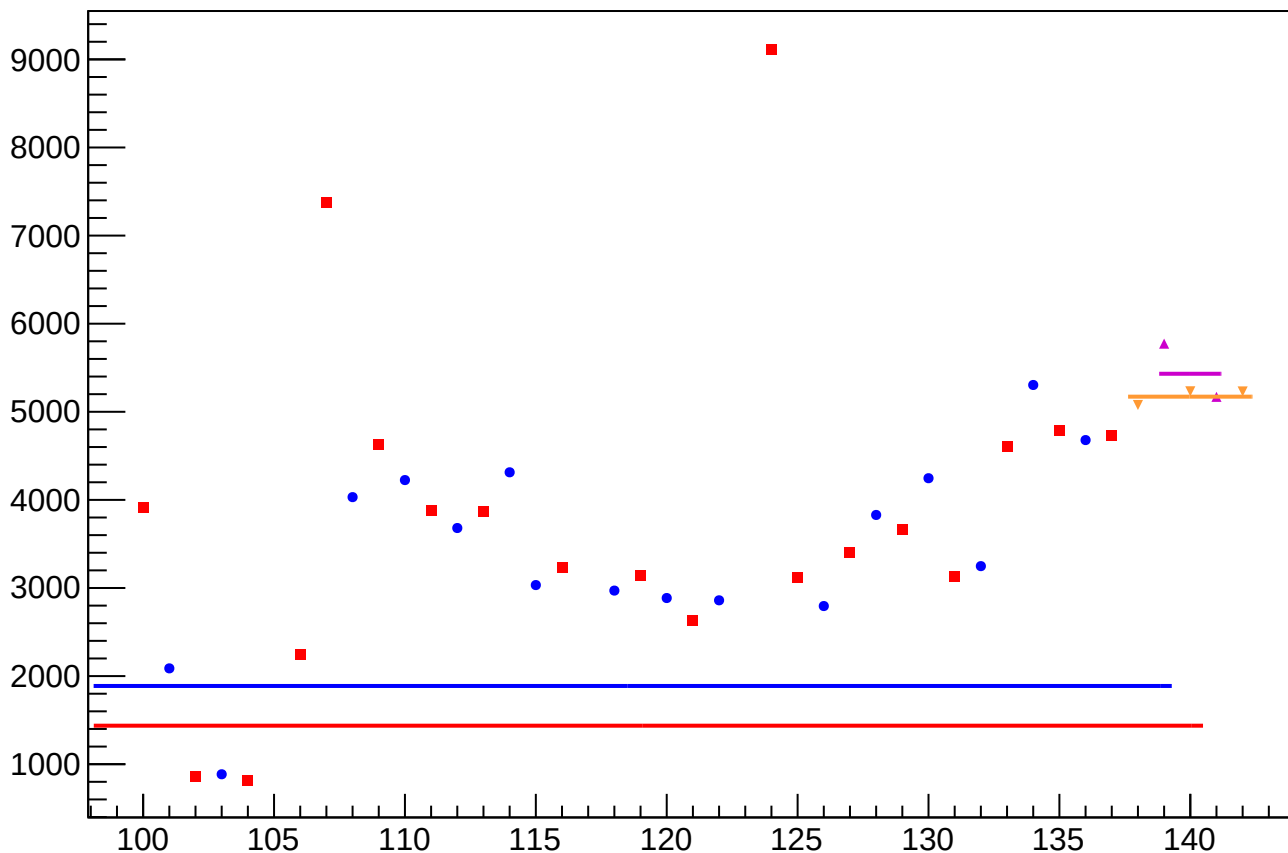
Left In: 1667.141 $\pm$ 4151.801 χ^2 /NDF:0.0/1

+ sign 180.309 $\pm$ 843.786 χ^2 /NDF: 17.7/18

All: -177.958 $\pm$ 524.821 χ^2 /NDF: 36.8/39

- sign -404.009 $\pm$ 670.244 χ^2 /NDF: 18.8/20

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982 $\pm$ 0.614 χ^2 /NDF: 4425728.6/15

Left Out: 5171.745 $\pm$ 2.562 χ^2 /NDF:865.4/2

Right Out: 1437.095 $\pm$ 0.480 χ^2 /NDF: 5964228.2/18

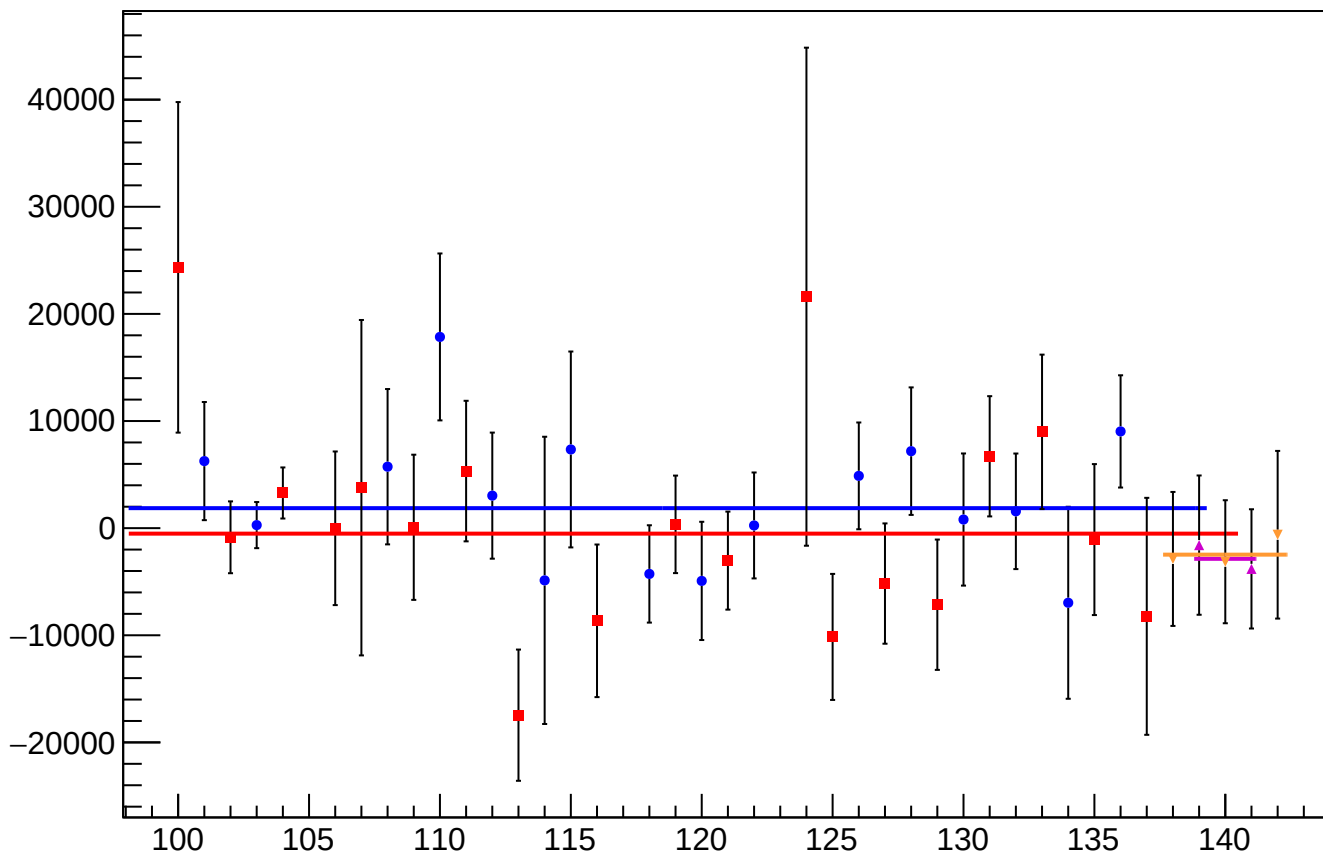
Left In: 5431.594 $\pm$ 2.936 χ^2 /NDF:10385.2/1

+ sign 2066.054 $\pm$ 0.597 χ^2 /NDF: 5980117.0/18

All: 1744.244 $\pm$ 0.371 χ^2 /NDF: 14232271.4/3

- sign 1541.195 $\pm$ 0.474 χ^2 /NDF: 7777687.1/20

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF : 13.8/15

Left Out: -2473.345+/-3721.079 χ^2/NDF : 0.1/2

Right Out: -512.528+/-1241.513 χ^2/NDF : 24.7/18

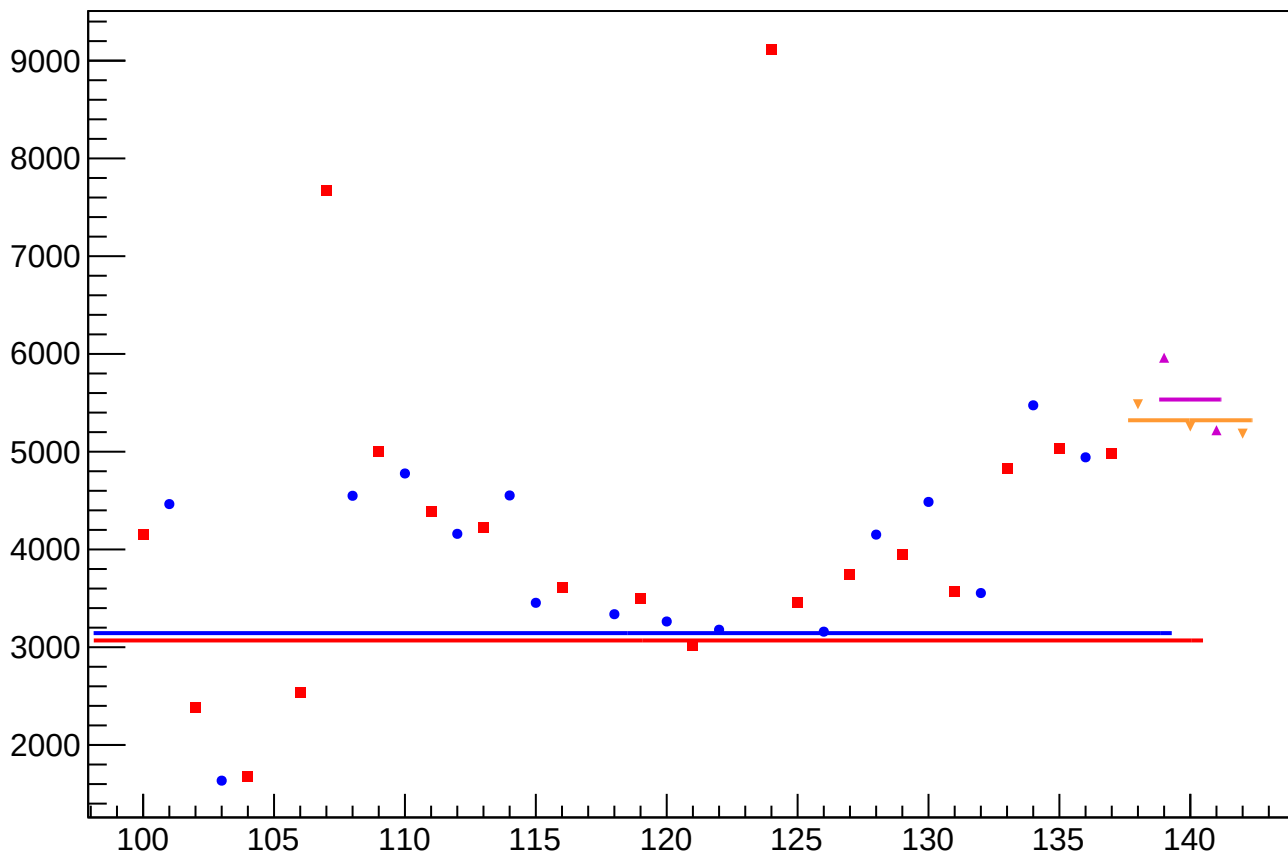
Left In: -2864.428+/-4227.968 χ^2/NDF : 0.1/1

+ sign 1420.710+/-1192.747 χ^2/NDF : 15.1/18

All: 359.383+/-842.858 χ^2/NDF : 41.7/39

- sign -699.225+/-1191.218 χ^2/NDF : 25.0/20

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF : 1883139.2/15

Left Out: 5321.474+/-2.631 χ^2/NDF :2223.0/2

Right Out: 3069.098+/-0.864 χ^2/NDF : 1881644.6/18

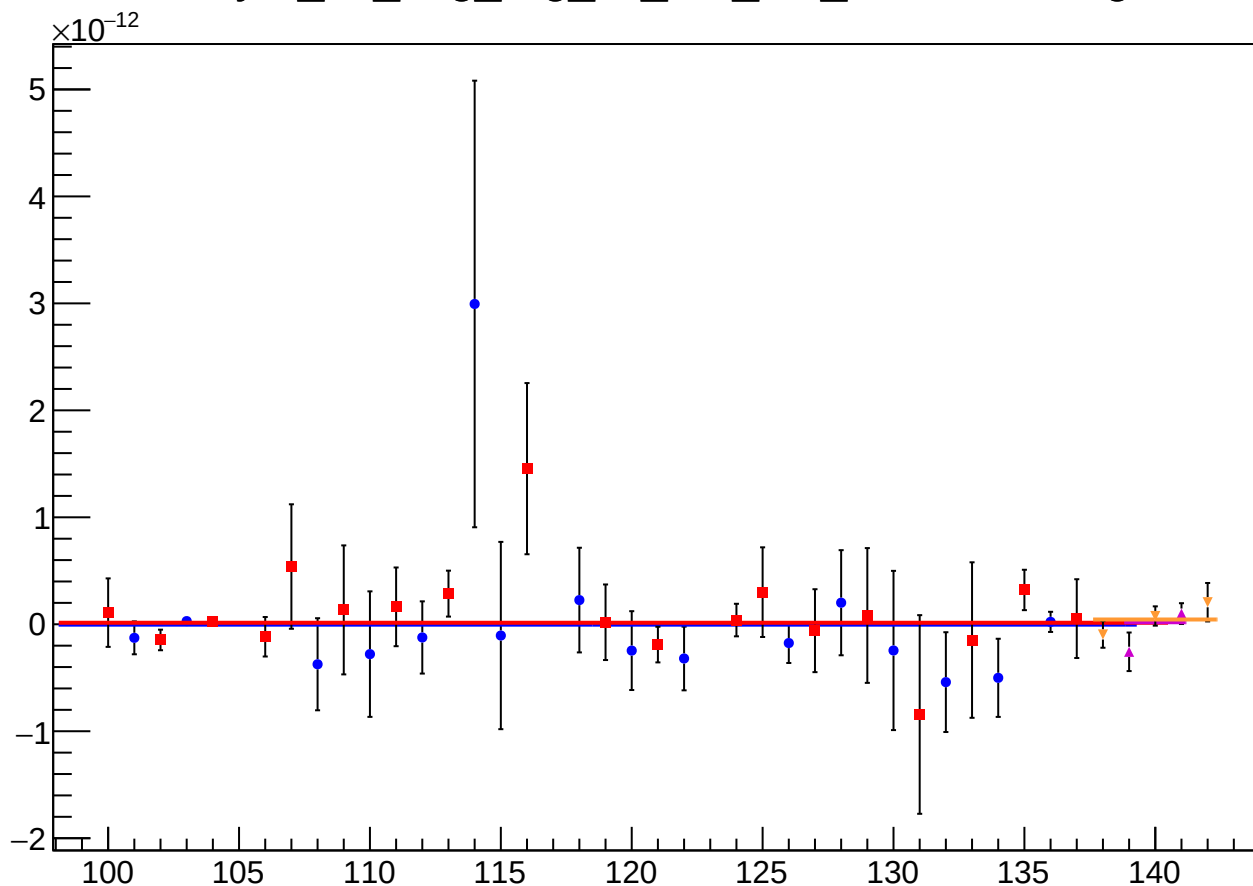
Left In: 5533.560+/-2.990 χ^2/NDF :15023.7/1

+ sign 3367.845+/-0.843 χ^2/NDF : 2499775.3/18

All: 3312.640+/-0.592 χ^2/NDF : 5032009.7/39

- sign 3259.148+/-0.830 χ^2/NDF : 2523798.6/20

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 : 2.2/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.9/18

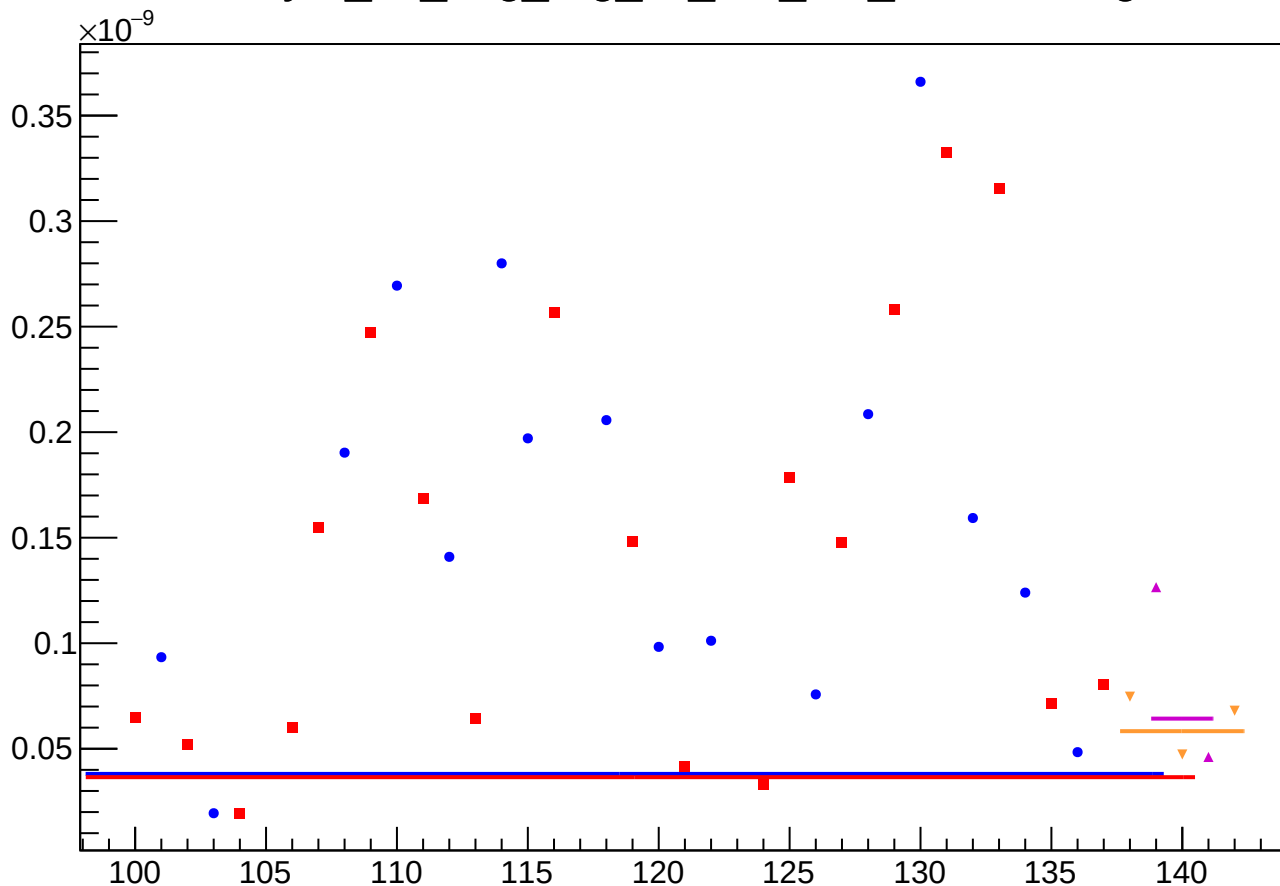
Left In: 0.000 ± 0.000 χ^2/NDF : 3.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 13.3/18

All: 0.000 ± 0.000 χ^2/NDF : 31.3/39

- sign 0.000 ± 0.000 χ^2/NDF : 18.0/20

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 : 70227.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2683451.3/18

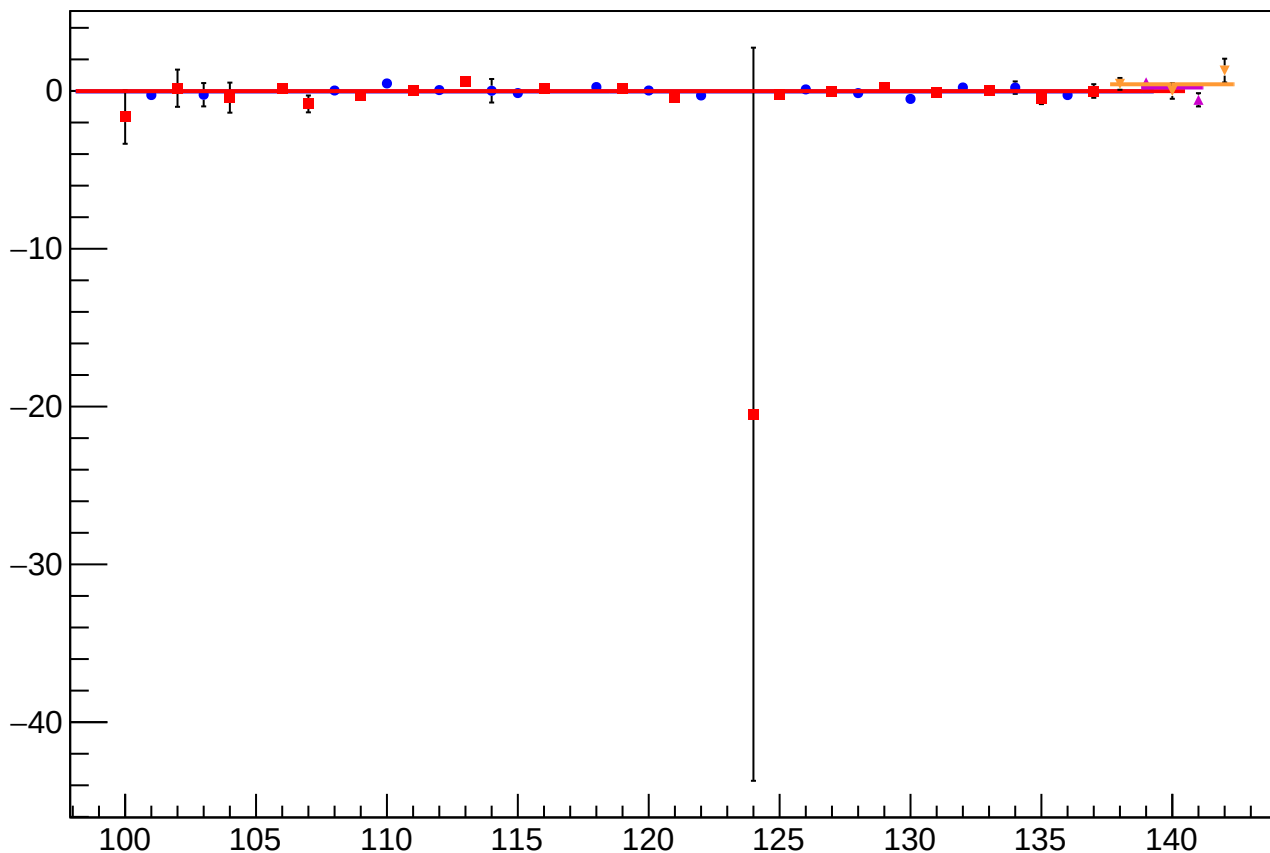
Left In: 0.000+/-0.000 χ^2/NDF : 308522.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 3101738.6/18

All: 0.000+/-0.000 χ^2/NDF : 6282059.4/39

- sign 0.000+/-0.000 χ^2/NDF : 3175438.4/20

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029 ± 0.058 χ^2/NDF : 17.2/15

Left Out: 0.423 ± 0.278 χ^2/NDF : 2.1/2

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

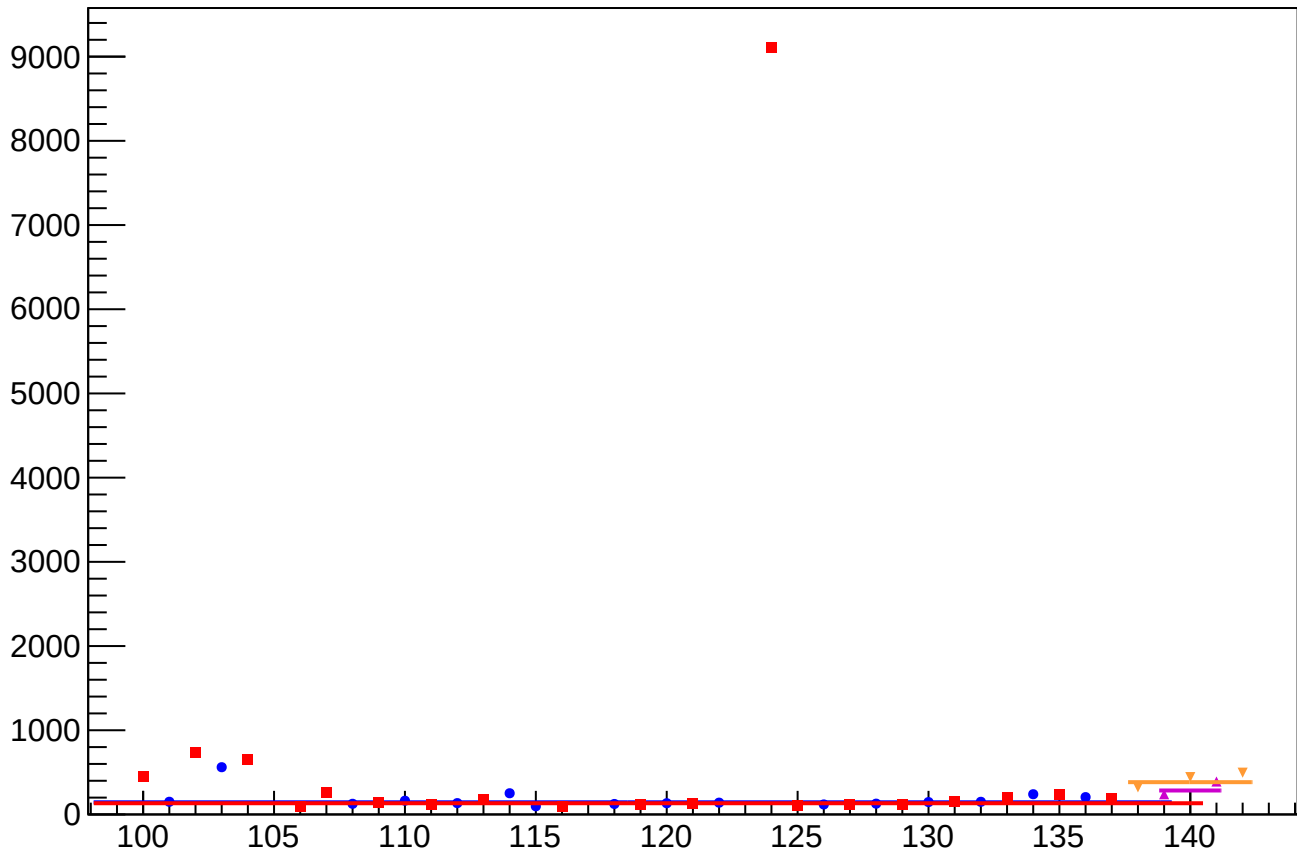
Left In: 0.220 ± 0.229 χ^2/NDF : 4.9/1

+ sign -0.010 ± 0.057 χ^2/NDF : 21.8/18

All: -0.003 ± 0.039 χ^2/NDF : 49.5/39

- sign 0.003 ± 0.055 χ^2/NDF : 27.6/20

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF : 1128779.2/15

Left Out: 383.556+/-0.196 χ^2/NDF : 128903.5/2

Right Out: 133.253+/-0.040 χ^2/NDF : 2220645.6/18

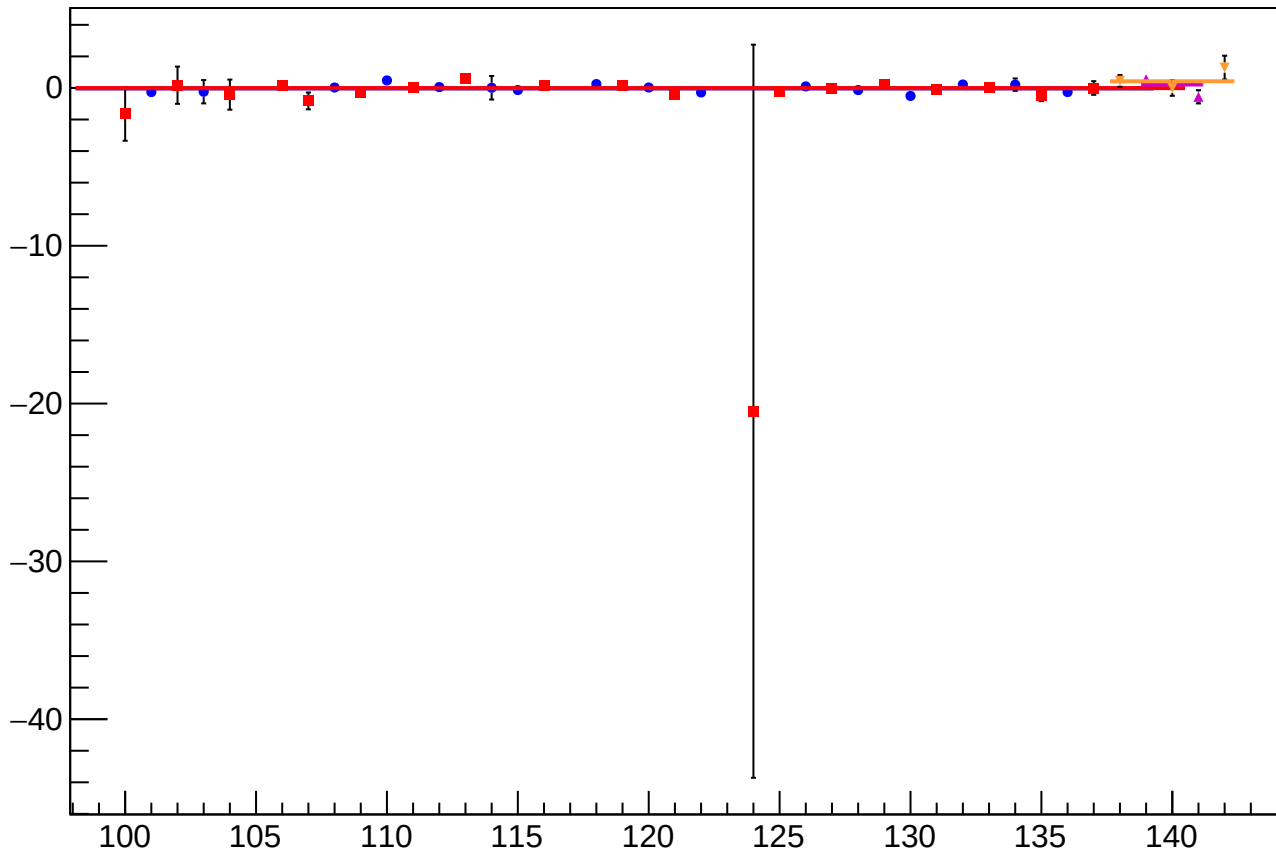
Left In: 284.610+/-0.162 χ^2/NDF : 181981.3/1

+ sign 154.232+/-0.040 χ^2/NDF : 2680240.9/18

All: 147.896+/-0.028 χ^2/NDF : 5955285.4/39

- sign 141.945+/-0.039 χ^2/NDF : 3226465.0/20

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: 0.423 ± 0.278 χ^2/NDF : 2.1/2

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

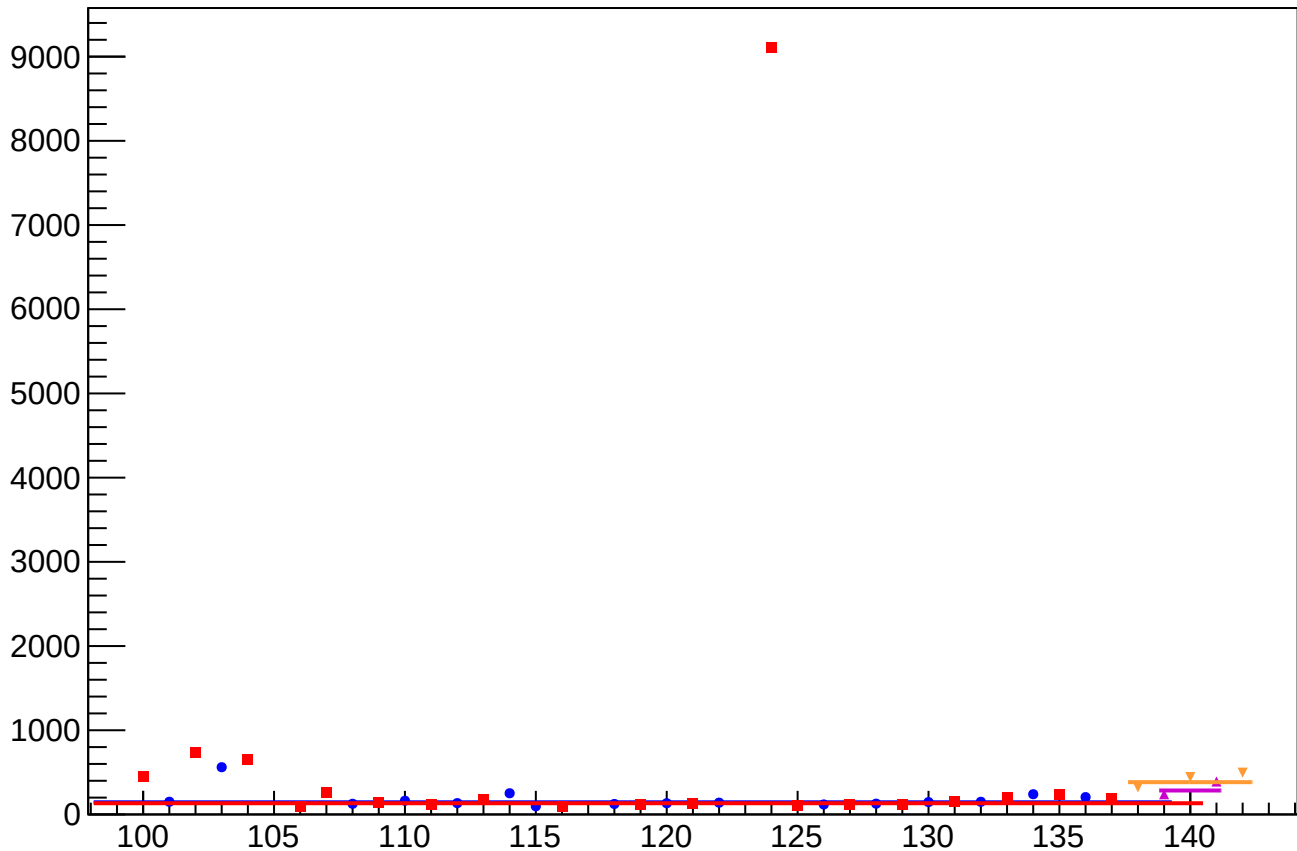
Left In: 0.220 ± 0.229 χ^2/NDF : 4.9/1

+ sign -0.010 ± 0.057 χ^2/NDF : 21.8/18

All: -0.003 ± 0.039 χ^2/NDF : 49.5/39

- sign 0.003 ± 0.055 χ^2/NDF : 27.6/20

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.291 $\pm$ 0.041 χ^2 /NDF: 1128779.2/15

Left Out: 383.556 $\pm$ 0.196 χ^2 /NDF:128903.5/2

Right Out: 133.253 $\pm$ 0.040 χ^2 /NDF: 2220645.6/18

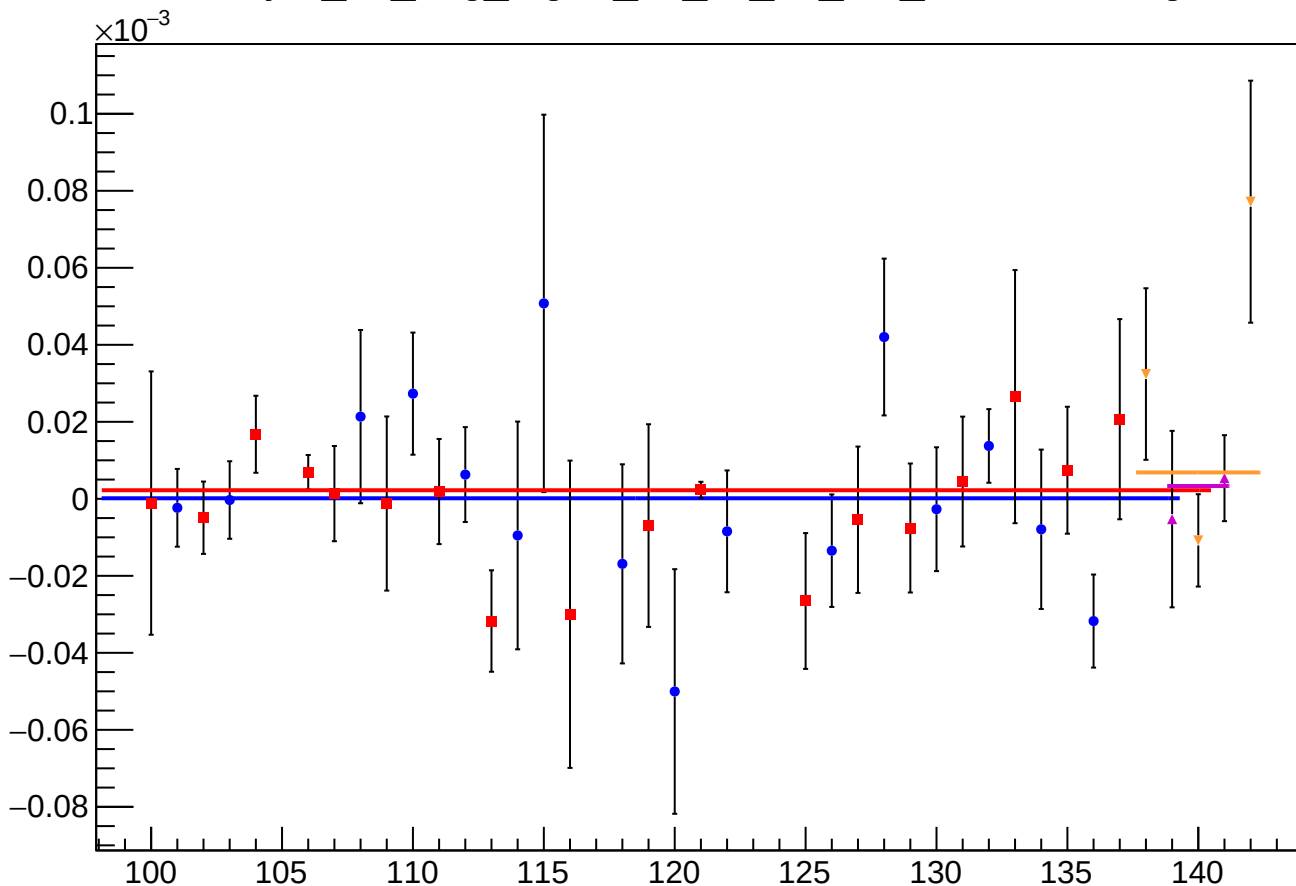
Left In: 284.610 $\pm$ 0.162 χ^2 /NDF:181981.3/1

+ sign 154.232 $\pm$ 0.040 χ^2 /NDF: 2680240.9/18

All: 147.896 $\pm$ 0.028 χ^2 /NDF: 5955285.4/39

- sign 141.945 $\pm$ 0.039 χ^2 /NDF: 3226465.0/20

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:8.5/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/17

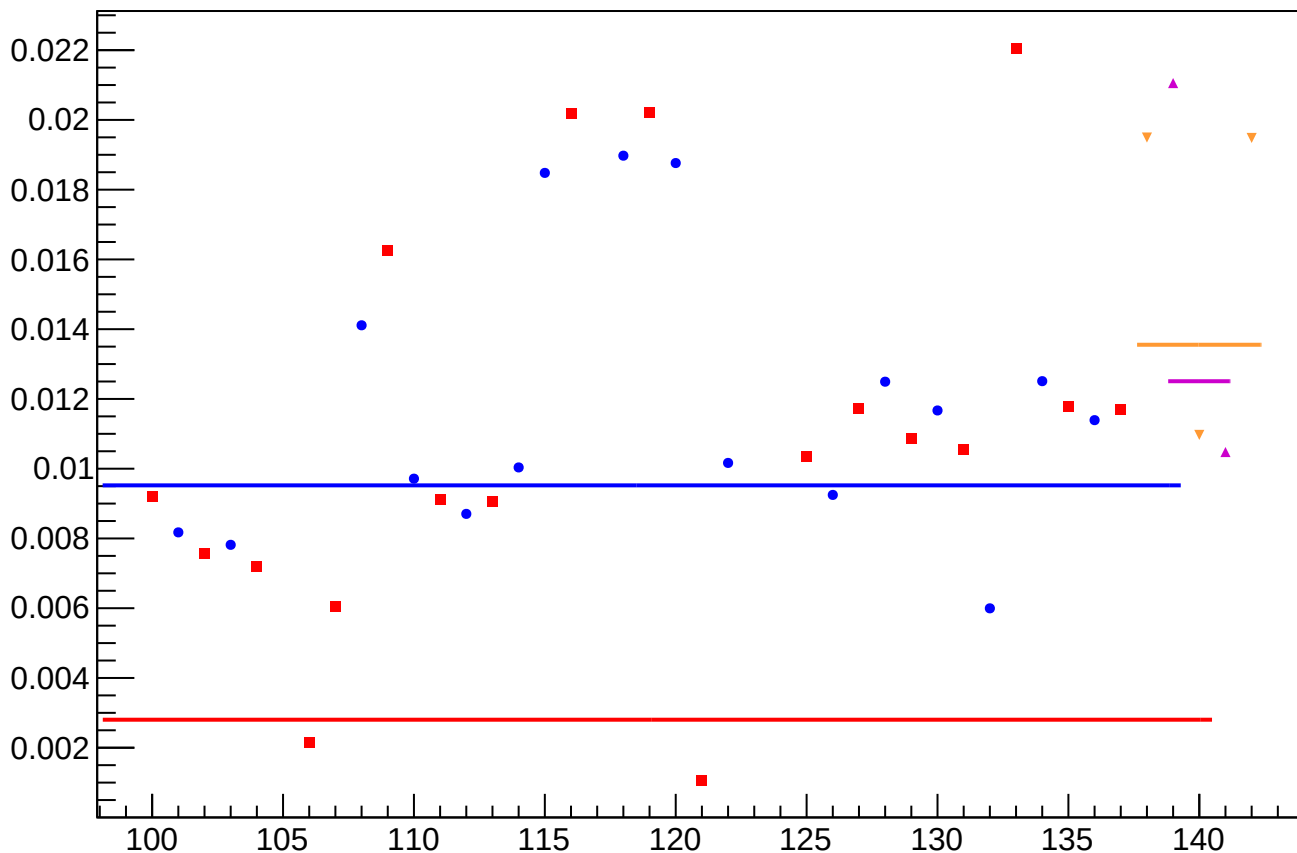
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.6/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/19

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1132946.4/15

Left Out: 0.014+/-0.000 χ^2/NDF : 306289.2/2

Right Out: 0.003+/-0.000 χ^2/NDF : 8568874.3/17

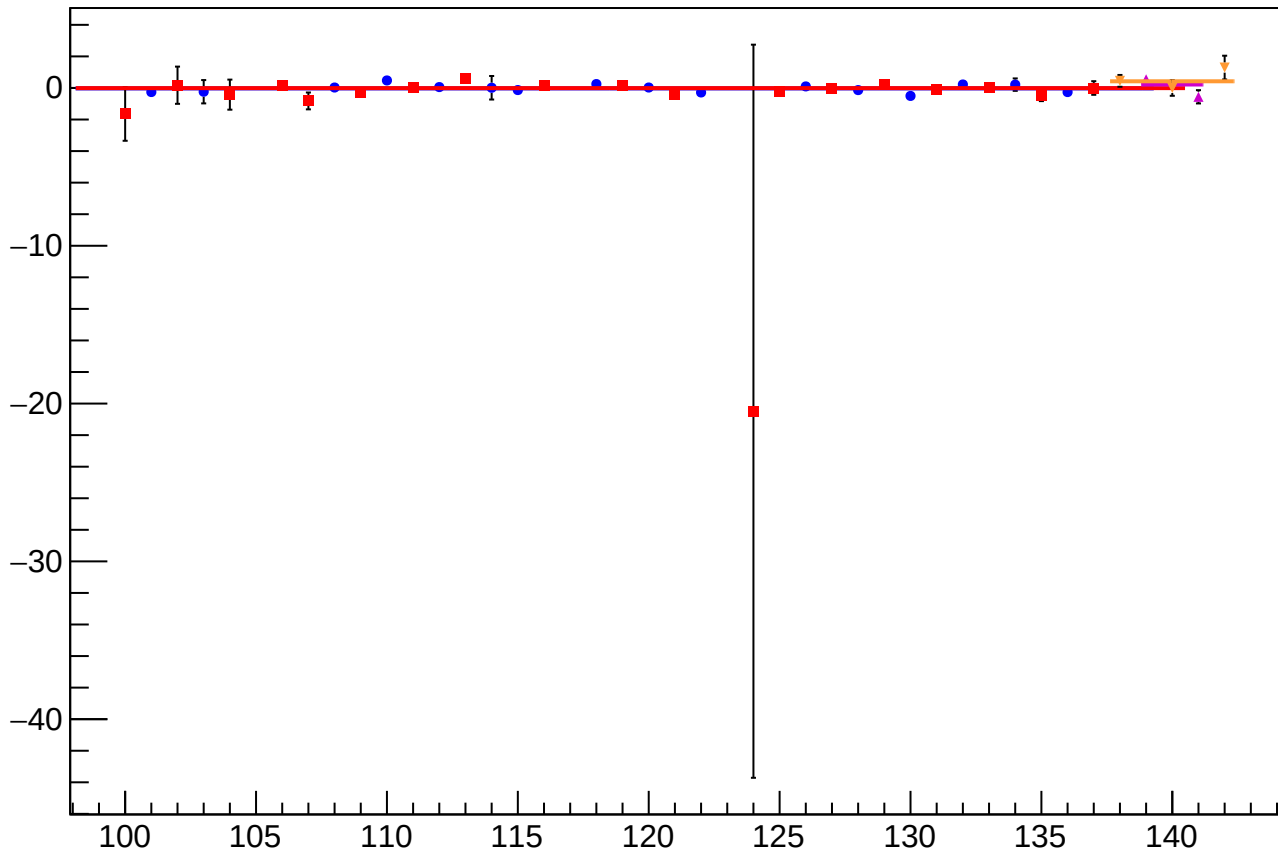
Left In: 0.013+/-0.000 χ^2/NDF : 344325.0/1

+ sign 0.010+/-0.000 χ^2/NDF : 1723796.7/18

All: 0.004+/-0.000 χ^2/NDF : 18796262.3/38

- sign 0.003+/-0.000 χ^2/NDF : 10728742.7/19

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: 0.423 ± 0.278 χ^2/NDF : 2.1/2

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

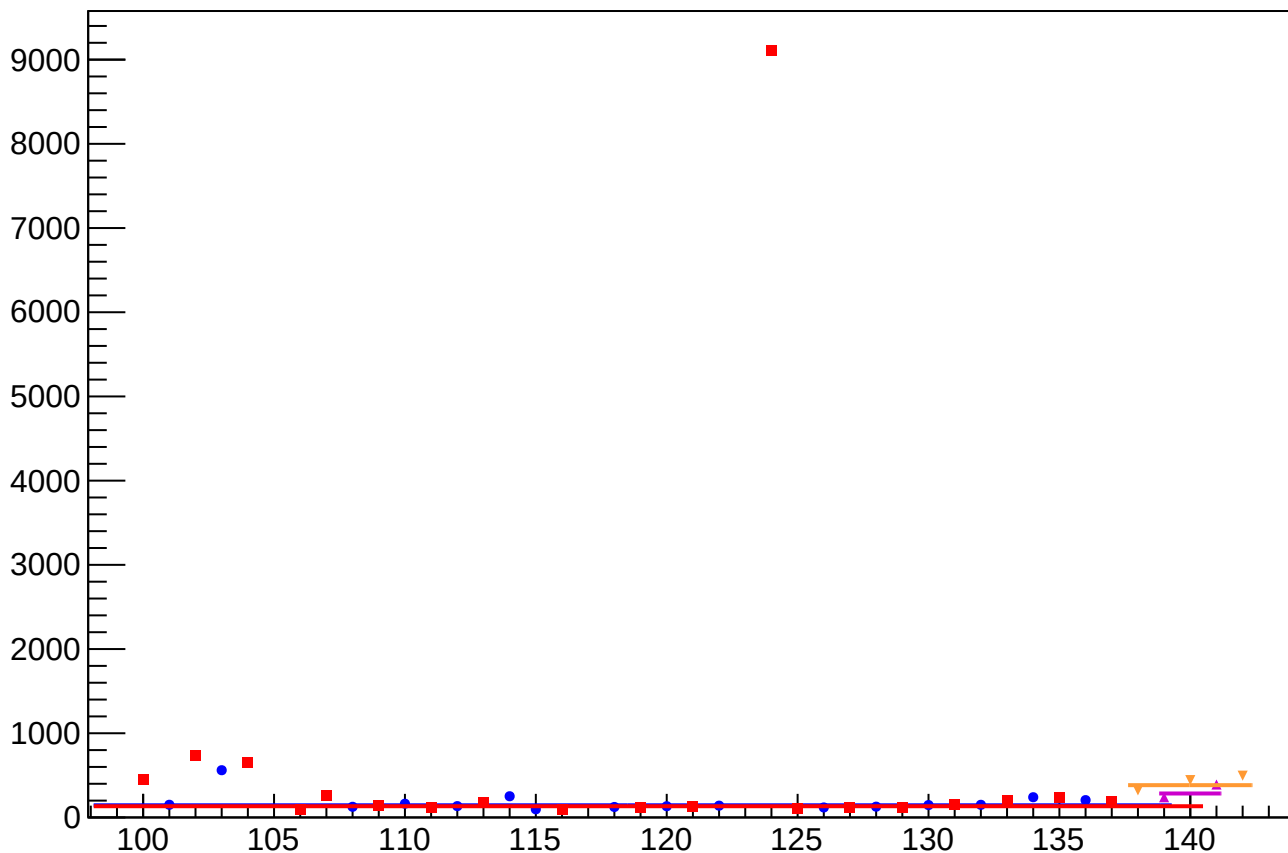
Left In: 0.220 ± 0.229 χ^2/NDF : 4.9/1

+ sign -0.010 ± 0.057 χ^2/NDF : 21.8/18

All: -0.003 ± 0.039 χ^2/NDF : 49.5/39

- sign 0.003 ± 0.055 χ^2/NDF : 27.6/20

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: 383.559 $\pm$ 0.196 χ^2 /NDF:128912.4/2

Right Out: 133.253 $\pm$ 0.040 χ^2 /NDF: 2220606.0/18

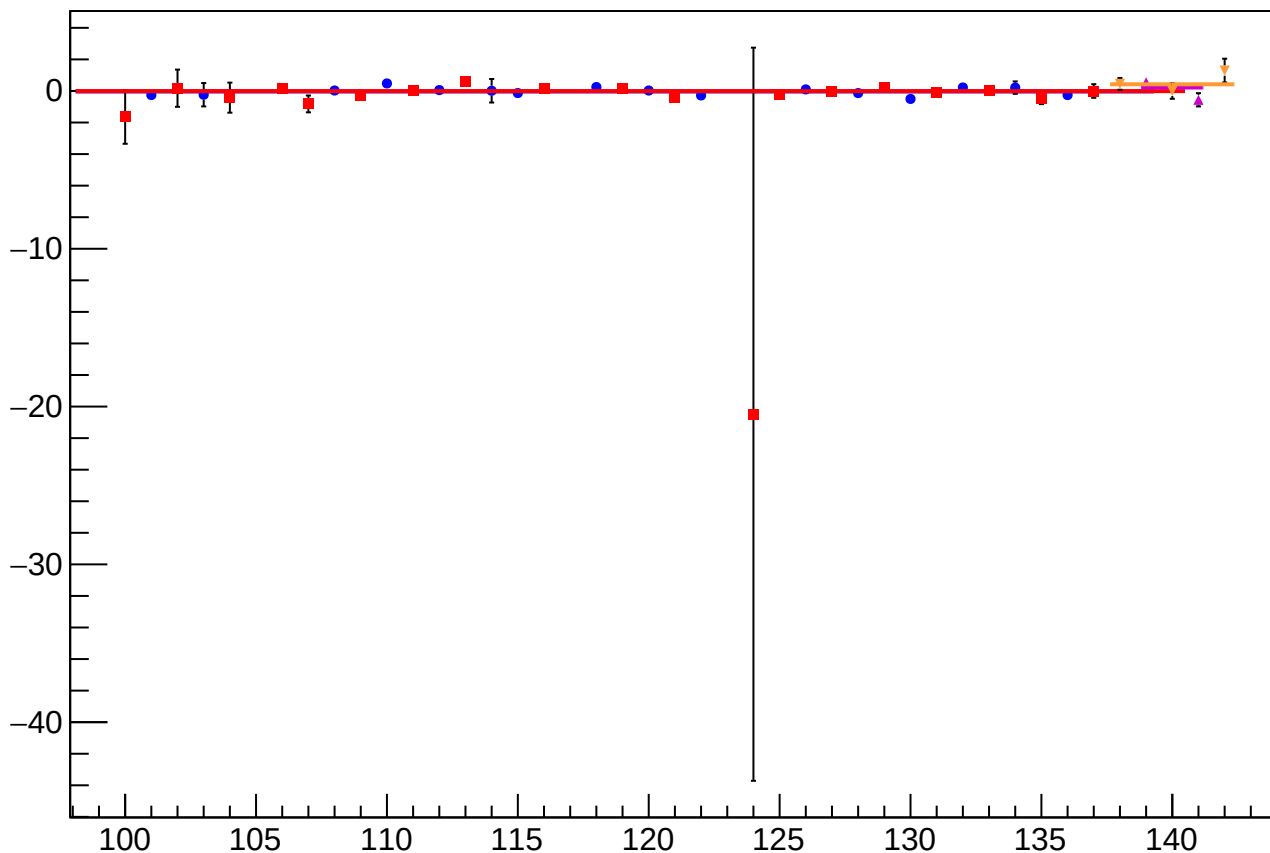
Left In: 284.616 $\pm$ 0.162 χ^2 /NDF:181971.0/1

+ sign 154.230 $\pm$ 0.040 χ^2 /NDF: 2680307.8/18

All: 147.895 $\pm$ 0.028 χ^2 /NDF: 5955341.9/39

- sign 141.944 $\pm$ 0.039 χ^2 /NDF: 3226461.5/20

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: 0.423 ± 0.278 χ^2/NDF : 2.1/2

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

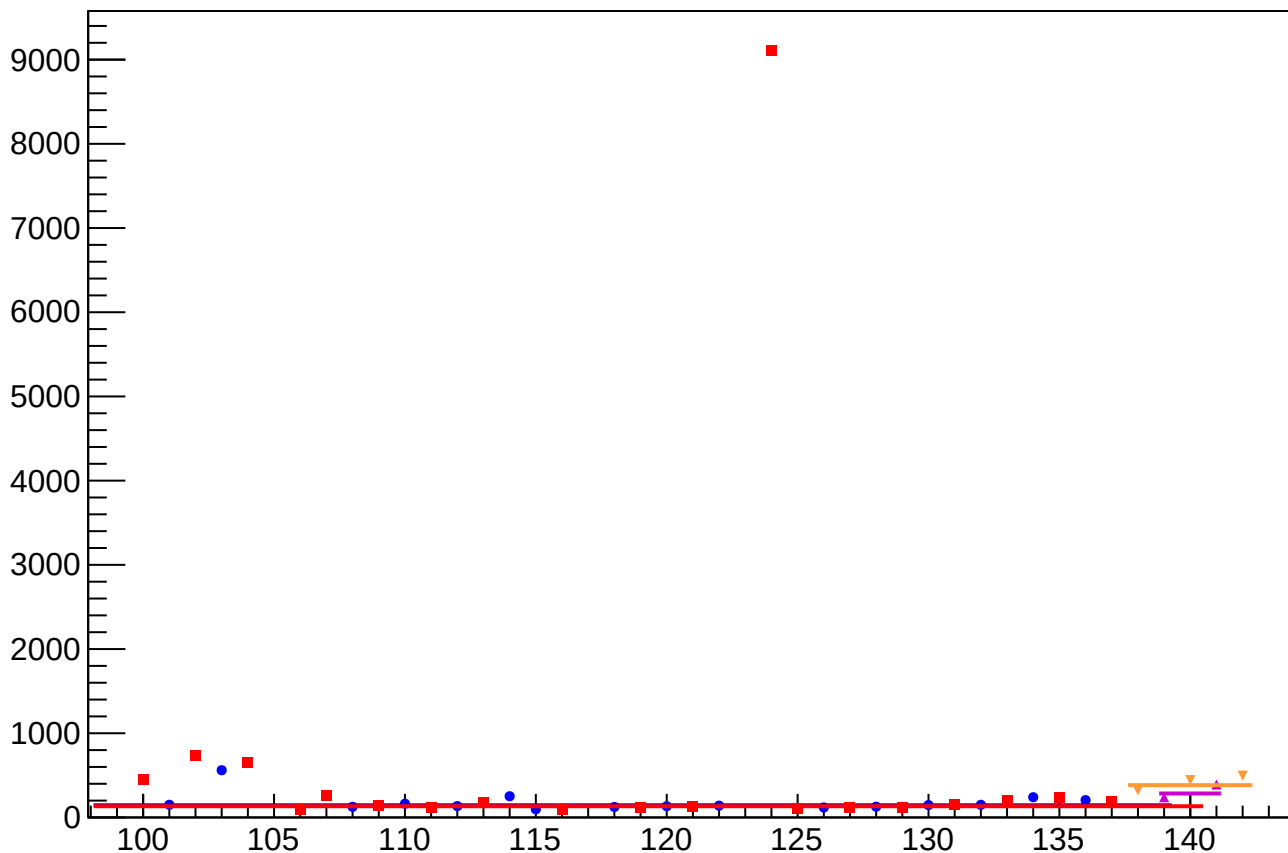
Left In: 0.220 ± 0.229 χ^2/NDF : 4.9/1

+ sign -0.010 ± 0.057 χ^2/NDF : 21.8/18

All: -0.003 ± 0.039 χ^2/NDF : 49.5/39

- sign 0.003 ± 0.055 χ^2/NDF : 27.6/20

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: 383.559+/-0.196 χ^2/NDF : 128912.4/2

Right Out: 133.253+/-0.040 χ^2/NDF : 2220606.0/18

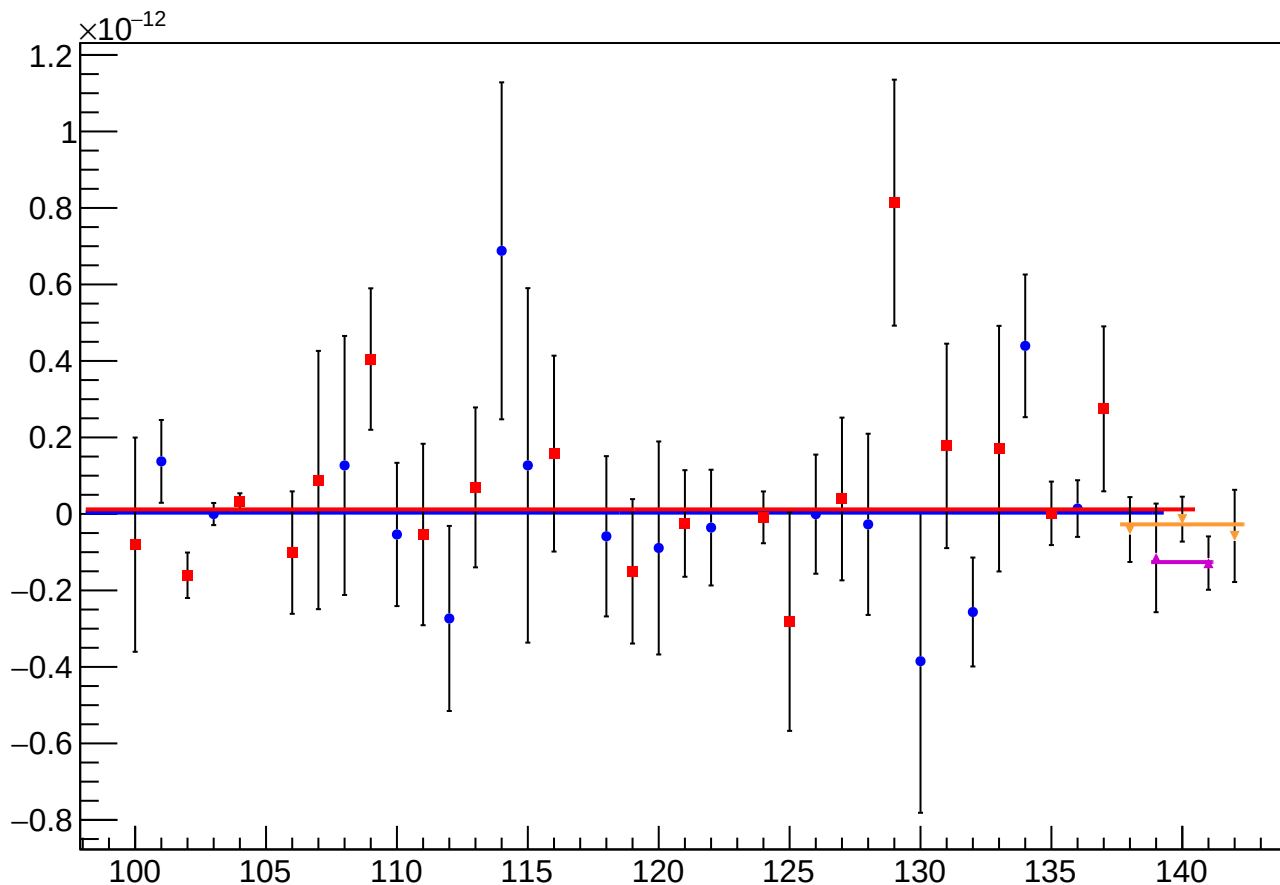
Left In: 284.616+/-0.162 χ^2/NDF : 181971.0/1

+ sign 154.230+/-0.040 χ^2/NDF : 2680307.8/18

All: 147.895+/-0.028 χ^2/NDF : 5955341.9/39

- sign 141.944+/-0.039 χ^2/NDF : 3226461.5/20

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF : 0.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 25.1/18

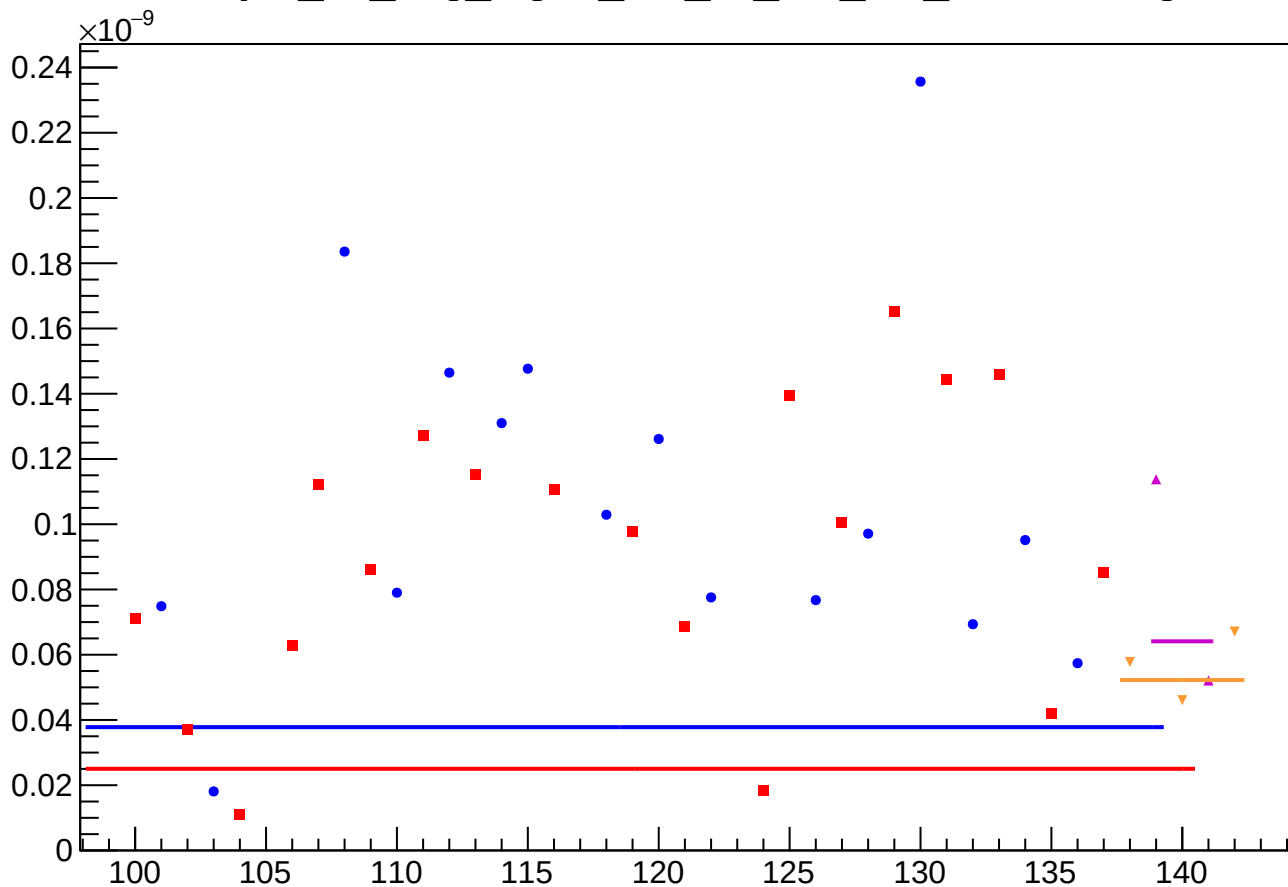
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 16.1/18

All: -0.000+/-0.000 χ^2/NDF : 45.7/39

- sign 0.000+/-0.000 χ^2/NDF : 29.6/20

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 : 61034.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 4701757.7/18

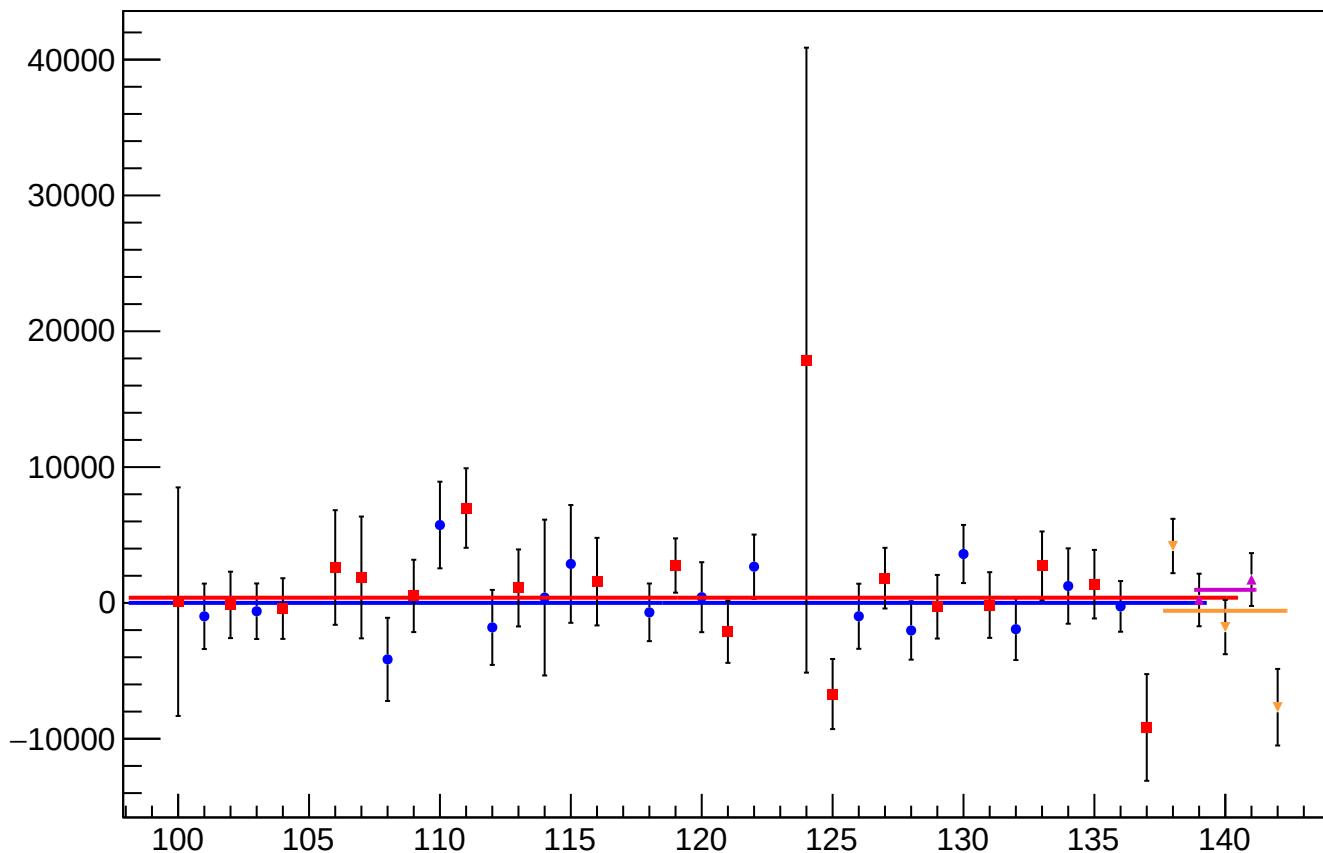
Left In: 0.000+/-0.000 χ^2/NDF : 303958.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 4165500.2/18

All: 0.000+/-0.000 χ^2/NDF : 10318135.1/39

- sign 0.000+/-0.000 χ^2/NDF : 5721214.1/20

reg_asym_atl_dd_mean vs Slug



Right In: 4.373 ± 619.905 χ^2/NDF : 12.4/15

Left Out: -580.129 ± 1263.789 χ^2/NDF : 12.4/2

Right Out: 384.758 ± 633.682 χ^2/NDF : 24.1/18

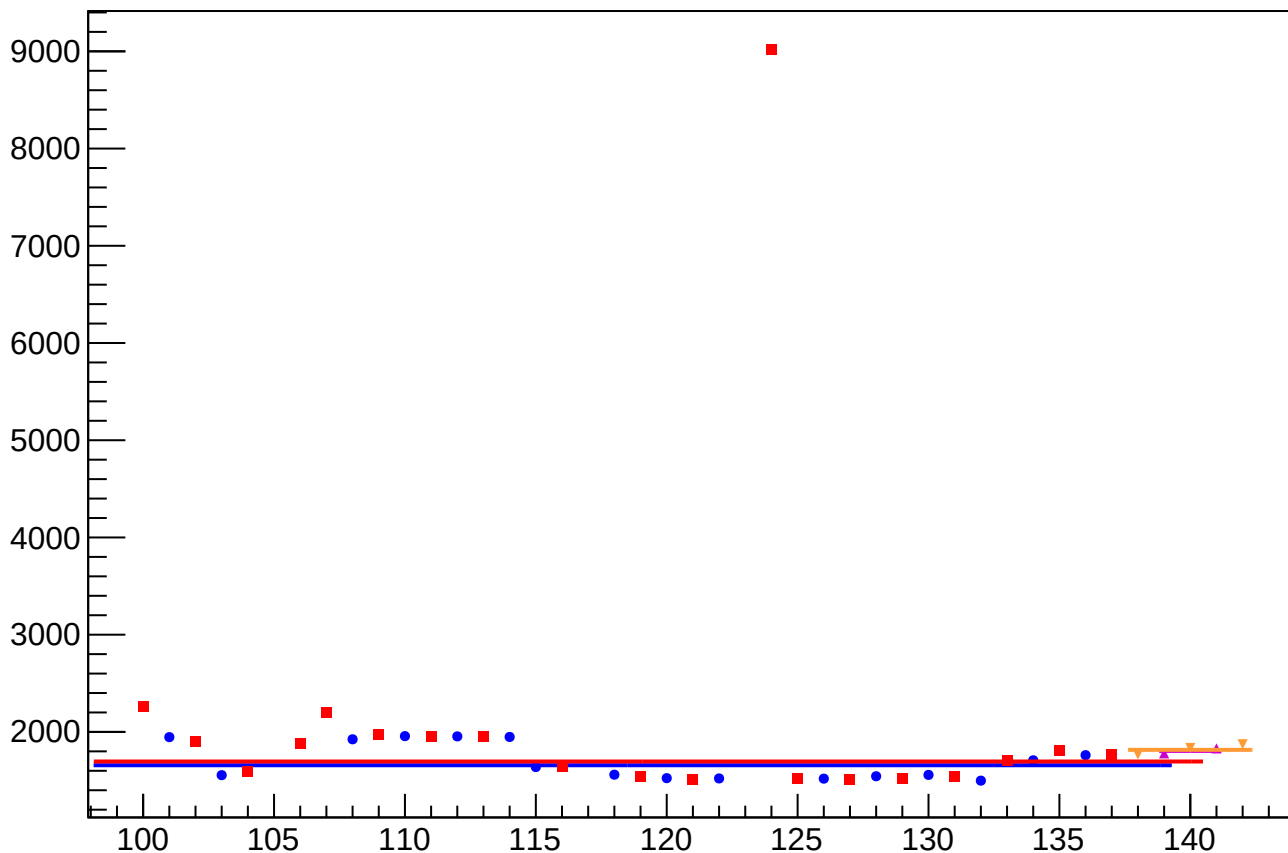
Left In: 965.469 ± 1371.733 χ^2/NDF : 0.3/1

+ sign -108.986 ± 556.556 χ^2/NDF : 25.0/18

All: 179.104 ± 399.995 χ^2/NDF : 50.1/39

- sign 486.889 ± 575.266 χ^2/NDF : 24.5/20

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF : 143982.4/15

Left Out: 1815.521+/-0.894 χ^2/NDF : 2195.7/2

Right Out: 1695.649+/-0.446 χ^2/NDF : 386216.2/18

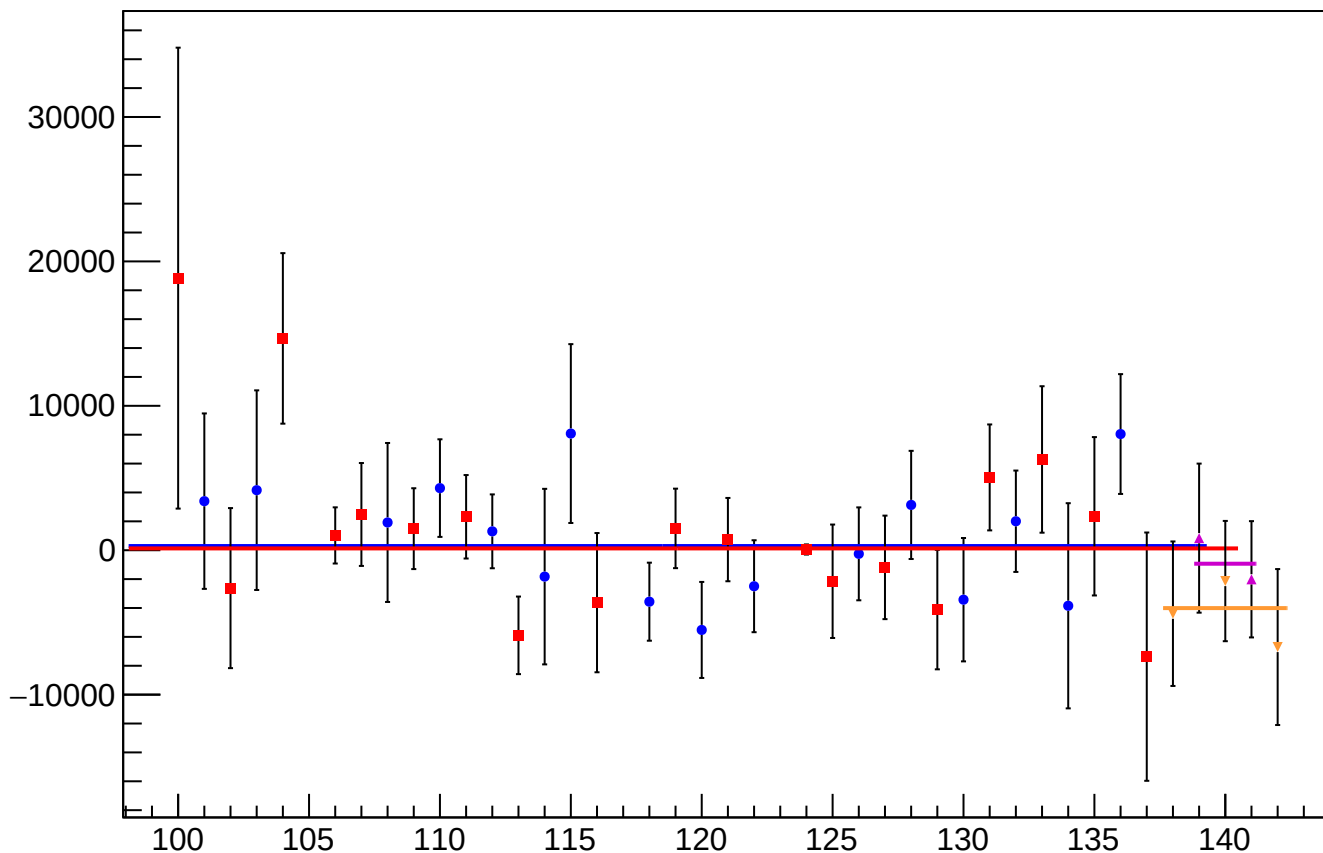
Left In: 1804.585+/-0.970 χ^2/NDF : 692.4/1

+ sign 1687.840+/-0.394 χ^2/NDF : 171504.3/18

All: 1700.859+/-0.282 χ^2/NDF : 571079.7/39

- sign 1714.663+/-0.405 χ^2/NDF : 397320.6/20

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262 ± 961.071 χ^2/NDF : 15.2/15

Left Out: -4007.910 ± 2753.341 χ^2/NDF : 0.5/2

Right Out: 125.586 ± 323.715 χ^2/NDF : 20.8/18

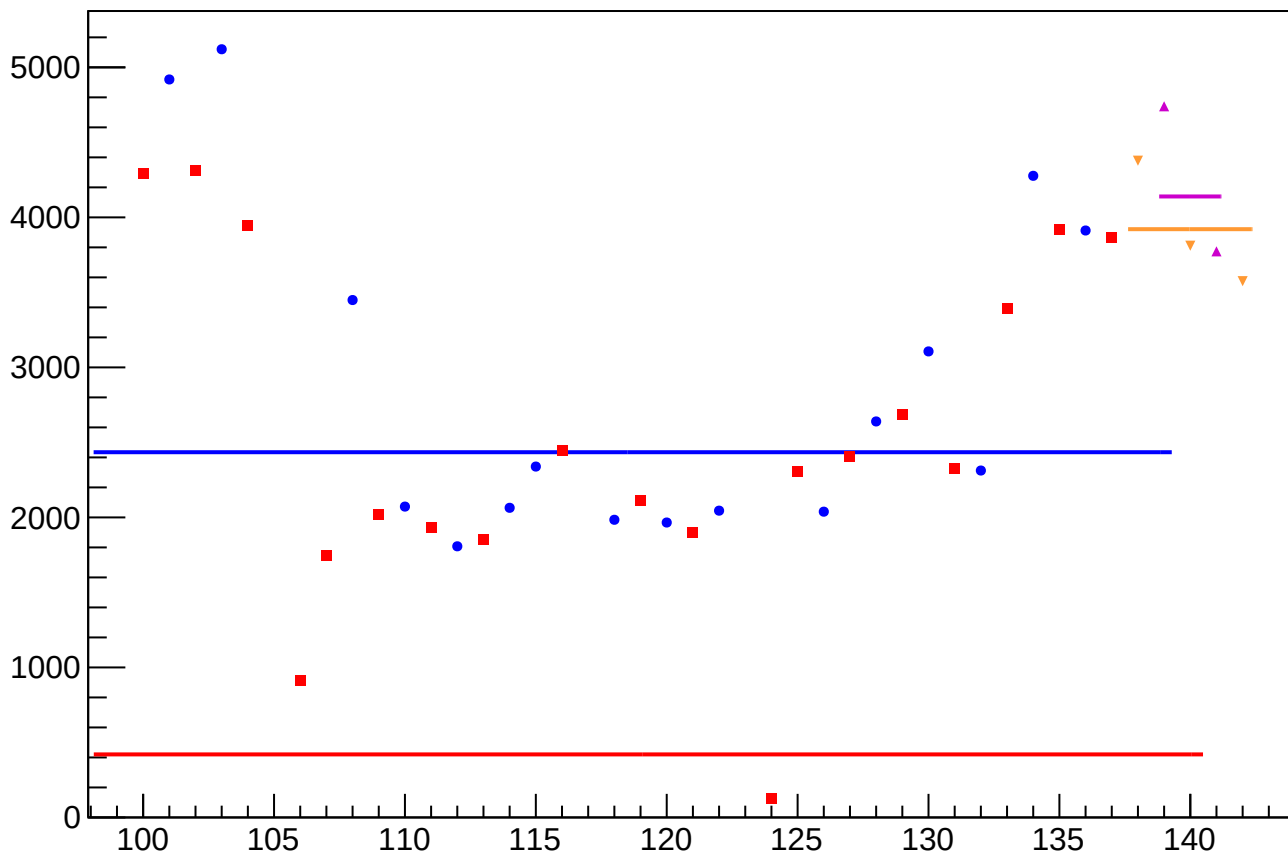
Left In: -934.344 ± 3174.353 χ^2/NDF : 0.2/1

+ sign -177.443 ± 907.381 χ^2/NDF : 17.9/18

All: 81.996 ± 303.496 χ^2/NDF : 39.1/39

- sign 114.676 ± 322.044 χ^2/NDF : 21.1/20

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF : 1457721.5/15

Left Out: 3921.321+/-1.947 χ^2/NDF : 26295.0/2

Right Out: 420.292+/-0.229 χ^2/NDF : 11063973.9/18

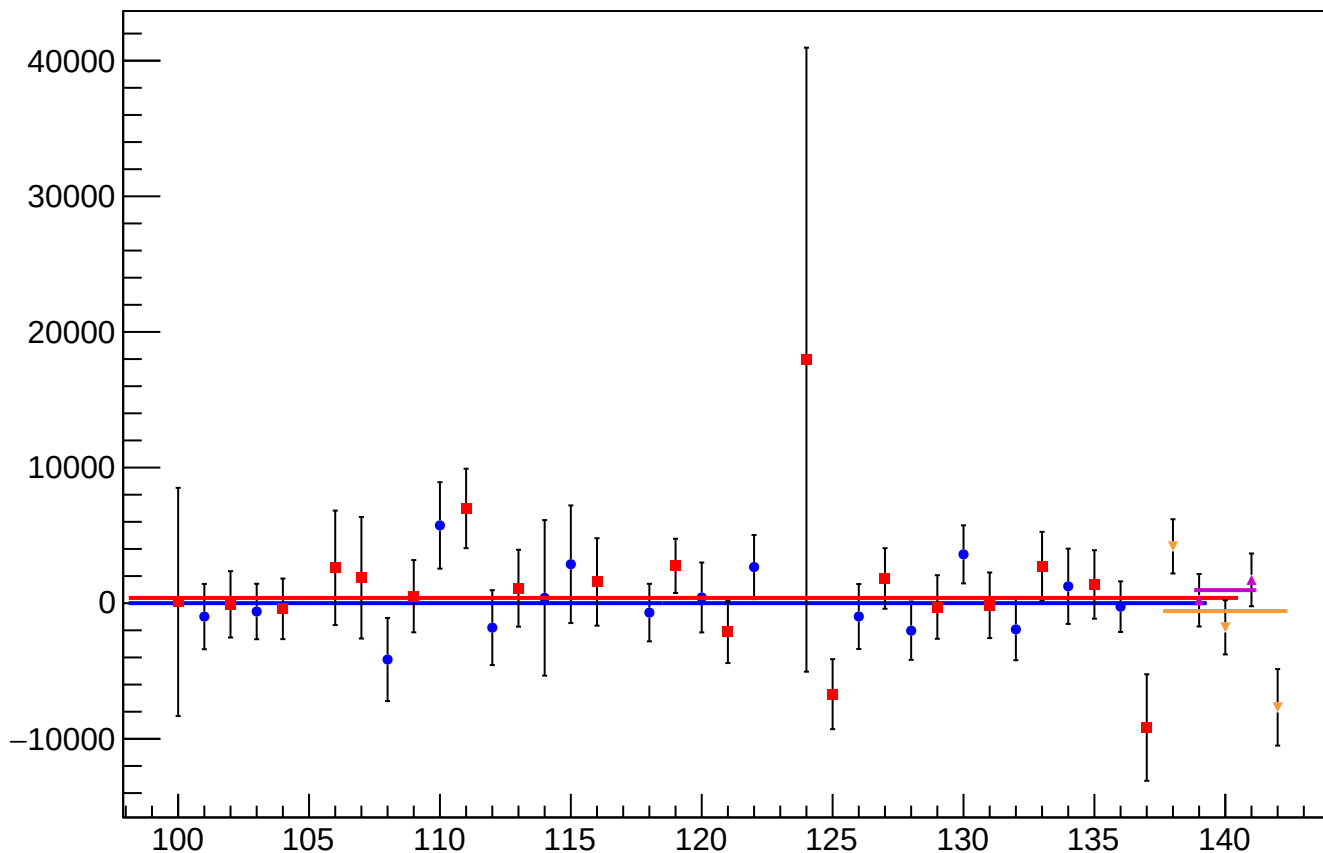
Left In: 4139.377+/-2.245 χ^2/NDF : 43638.1/1

+ sign 2596.063+/-0.642 χ^2/NDF : 2003823.2/18

All: 697.699+/-0.215 χ^2/NDF : 25685251.7/39

- sign 458.571+/-0.228 χ^2/NDF : 13824668.9/20

cor_asym_atl_dd_mean vs Slug



Right In: 4.295 ± 619.905 χ^2/NDF : 12.4/15

Left Out: -580.301 ± 1263.789 χ^2/NDF : 12.4/2

Right Out: 389.054 ± 633.688 χ^2/NDF : 24.0/18

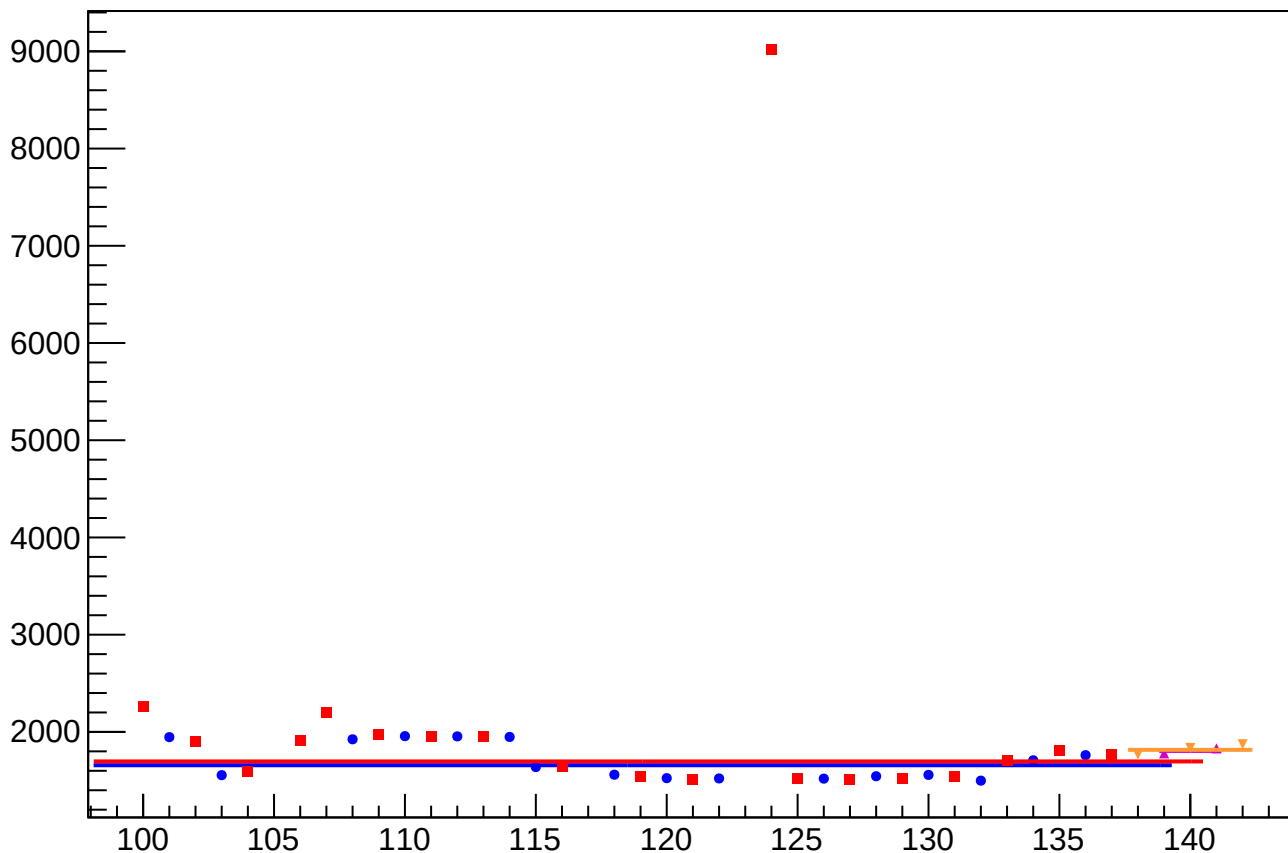
Left In: 965.124 ± 1371.733 χ^2/NDF : 0.3/1

+ sign -109.082 ± 556.556 χ^2/NDF : 25.0/18

All: 180.735 ± 399.997 χ^2/NDF : 50.1/39

- sign 490.371 ± 575.270 χ^2/NDF : 24.5/20

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119 $\pm$ 0.438 χ^2 /NDF: 143982.5/15

Left Out: 1815.521 $\pm$ 0.894 χ^2 /NDF:2195.7/2

Right Out: 1696.442 $\pm$ 0.446 χ^2 /NDF: 387974.4/18

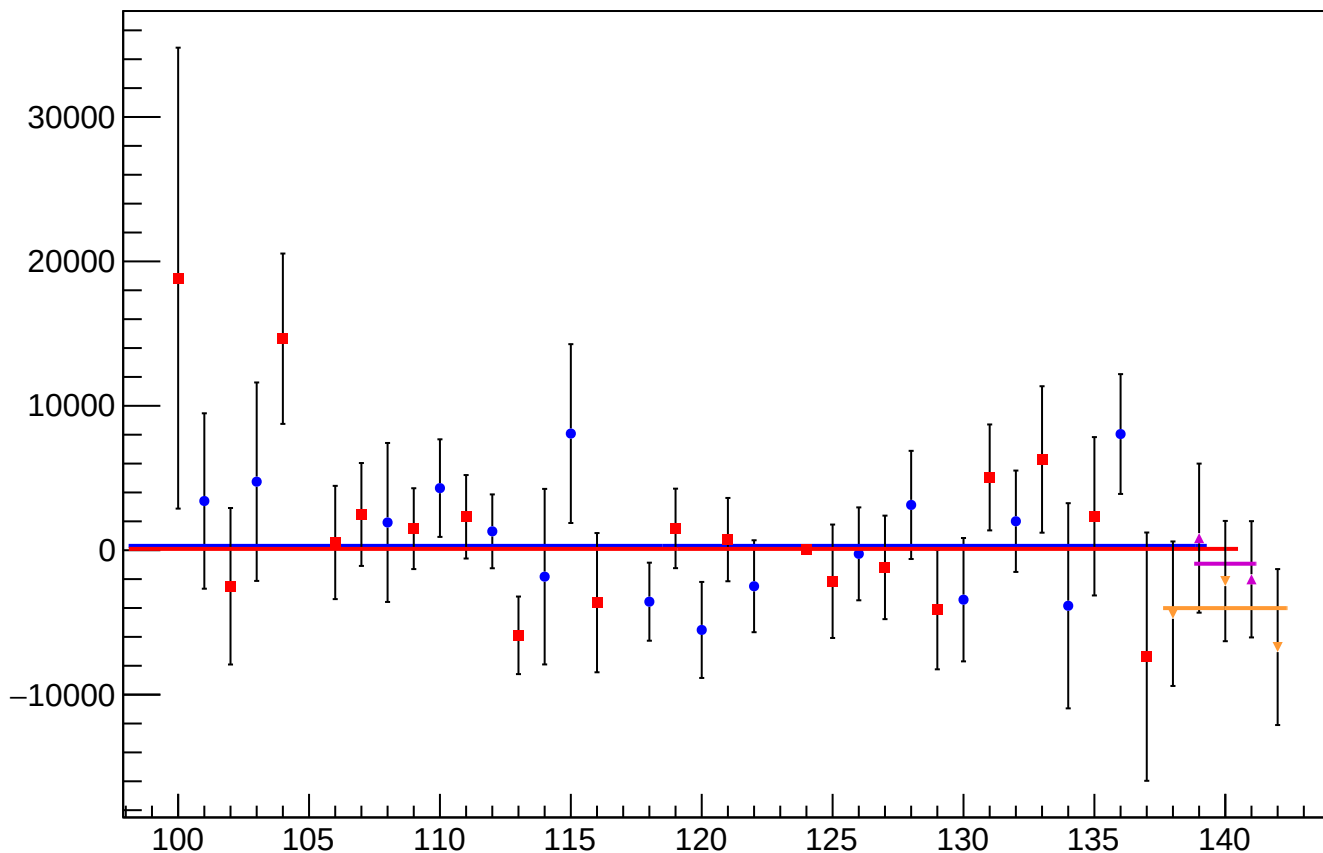
Left In: 1804.585 $\pm$ 0.970 χ^2 /NDF:692.4/1

+ sign 1687.839 $\pm$ 0.394 χ^2 /NDF: 171504.4/18

All: 1701.178 $\pm$ 0.282 χ^2 /NDF: 572798.3/39

- sign 1715.333 $\pm$ 0.405 χ^2 /NDF: 398926.0/20

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839 $\pm$ 960.952 χ^2 /NDF: 15.3/15

Left Out: -4008.146 $\pm$ 2753.346 χ^2 /NDF:0.5/2

Right Out: 92.243 $\pm$ 315.757 χ^2 /NDF: 20.6/18

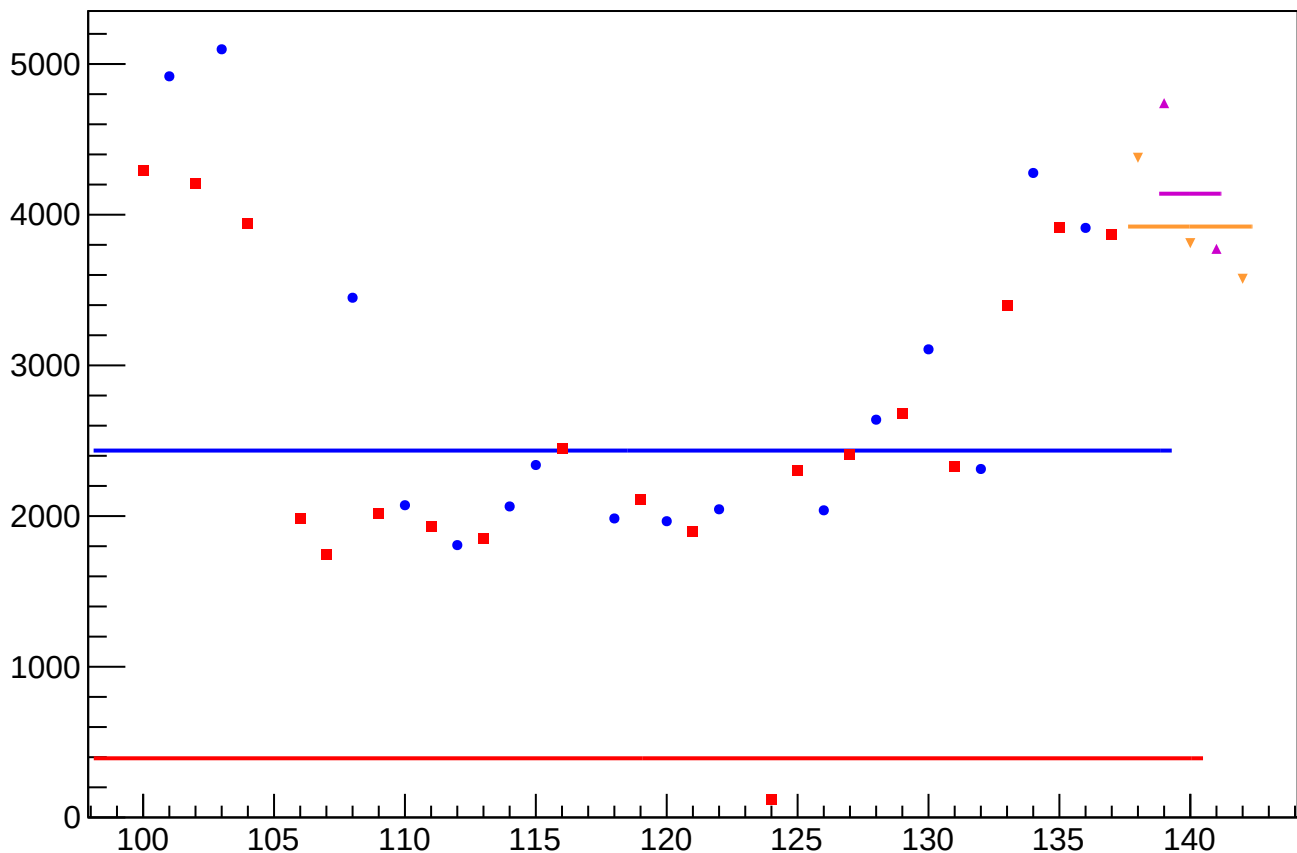
Left In: -934.502 $\pm$ 3174.344 χ^2 /NDF:0.2/1

+ sign -166.154 $\pm$ 907.282 χ^2 /NDF: 18.0/18

All: 55.588 $\pm$ 296.906 χ^2 /NDF: 39.0/39

- sign 82.183 $\pm$ 314.207 χ^2 /NDF: 20.9/20

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758 $\pm$ 0.679 χ^2 /NDF: 1456027.7/15

Left Out: 3921.327 $\pm$ 1.947 χ^2 /NDF:26292.9/2

Right Out: 392.666 $\pm$ 0.223 χ^2 /NDF: 11408006.3/18

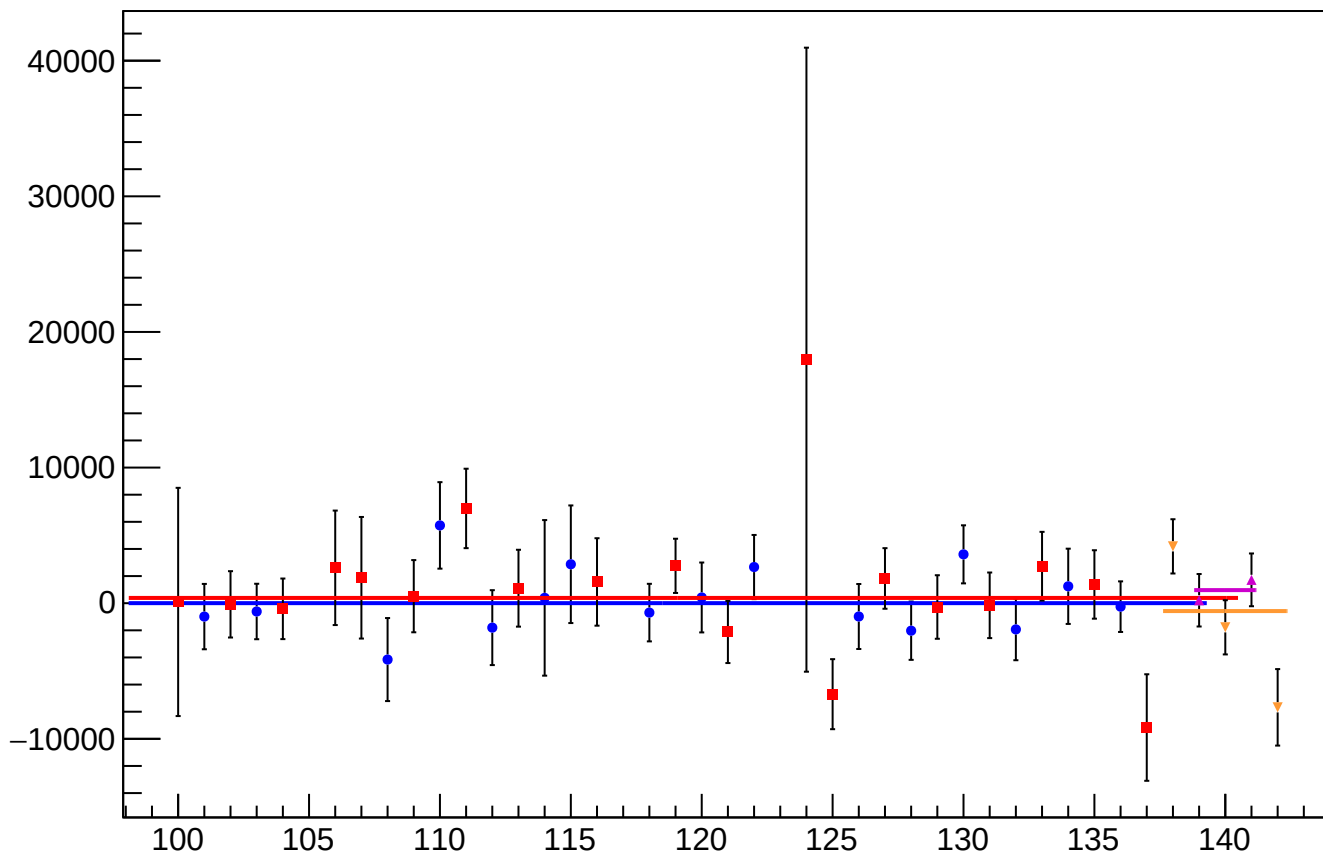
Left In: 4139.366 $\pm$ 2.245 χ^2 /NDF:43638.0/1

+ sign 2596.175 $\pm$ 0.642 χ^2 /NDF: 2002028.8/18

All: 661.419 $\pm$ 0.210 χ^2 /NDF: 26398315.3/39

- sign 429.374 $\pm$ 0.222 χ^2 /NDF: 14210594.8/20

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF : 12.4/15

Left Out: -580.301+/-1263.789 χ^2/NDF : 12.4/2

Right Out: 389.054+/-633.688 χ^2/NDF : 24.0/18

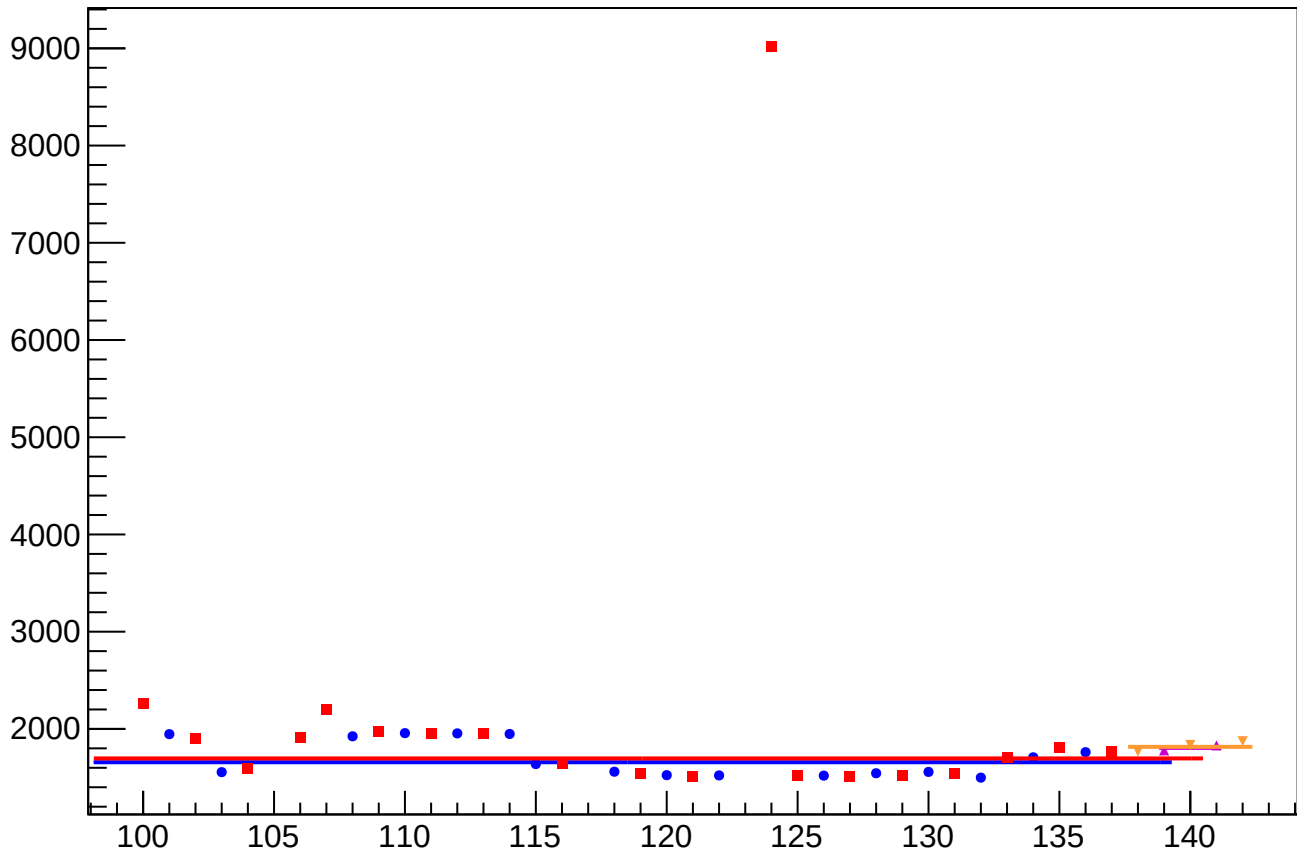
Left In: 965.124+/-1371.733 χ^2/NDF : 0.3/1

+ sign -109.082+/-556.556 χ^2/NDF : 25.0/18

All: 180.735+/-399.997 χ^2/NDF : 50.1/39

- sign 490.371+/-575.270 χ^2/NDF : 24.5/20

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119 $\pm$ 0.438 χ^2 /NDF: 143982.5/15

Left Out: 1815.521 $\pm$ 0.894 χ^2 /NDF: 2195.7/2

Right Out: 1696.442 $\pm$ 0.446 χ^2 /NDF: 387974.4/18

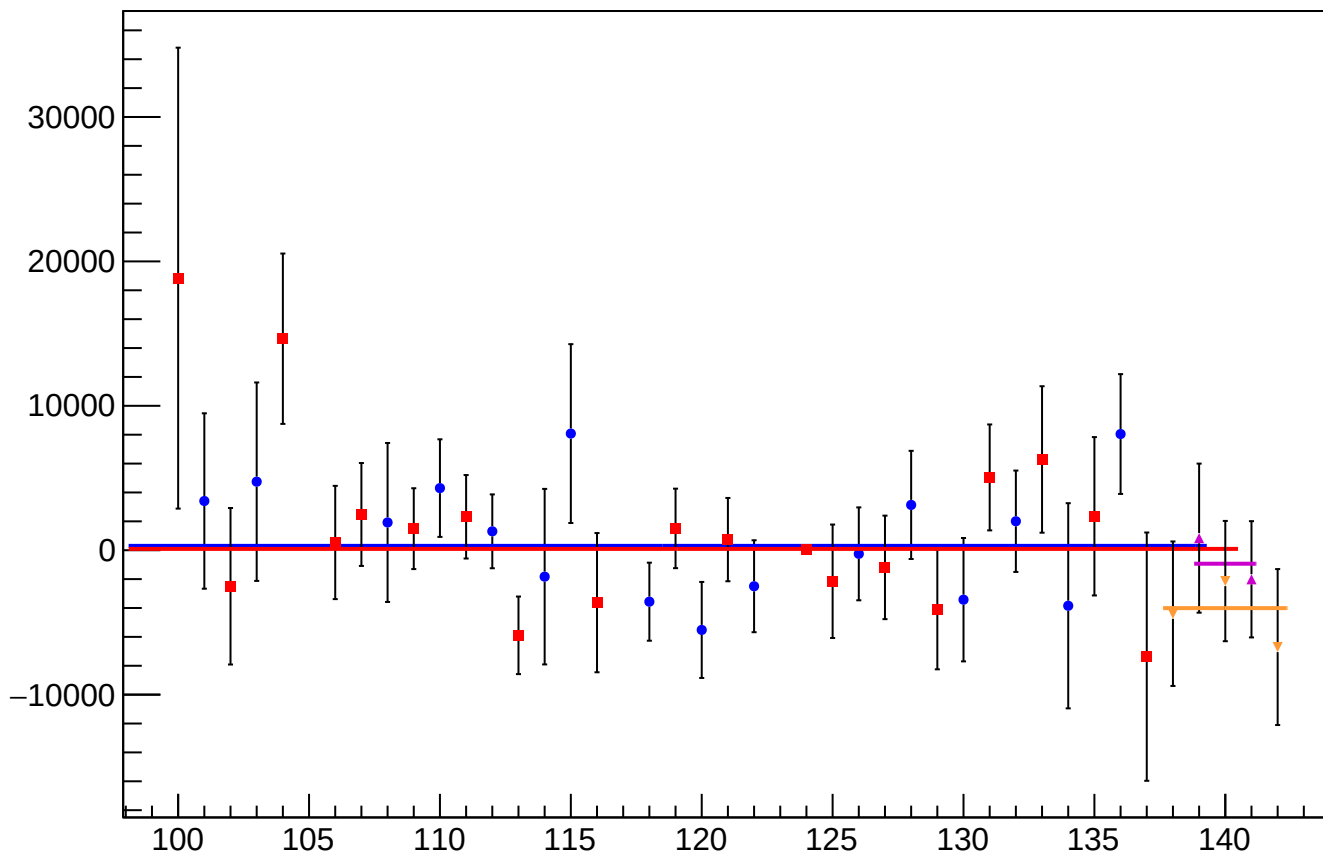
Left In: 1804.585 $\pm$ 0.970 χ^2 /NDF: 692.4/1

+ sign 1687.839 $\pm$ 0.394 χ^2 /NDF: 171504.4/18

All: 1701.178 $\pm$ 0.282 χ^2 /NDF: 572798.3/39

- sign 1715.333 $\pm$ 0.405 χ^2 /NDF: 398926.0/20

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF : 15.3/15

Left Out: -4008.146+/-2753.346 χ^2/NDF : 0.5/2

Right Out: 92.243+/-315.757 χ^2/NDF : 20.6/18

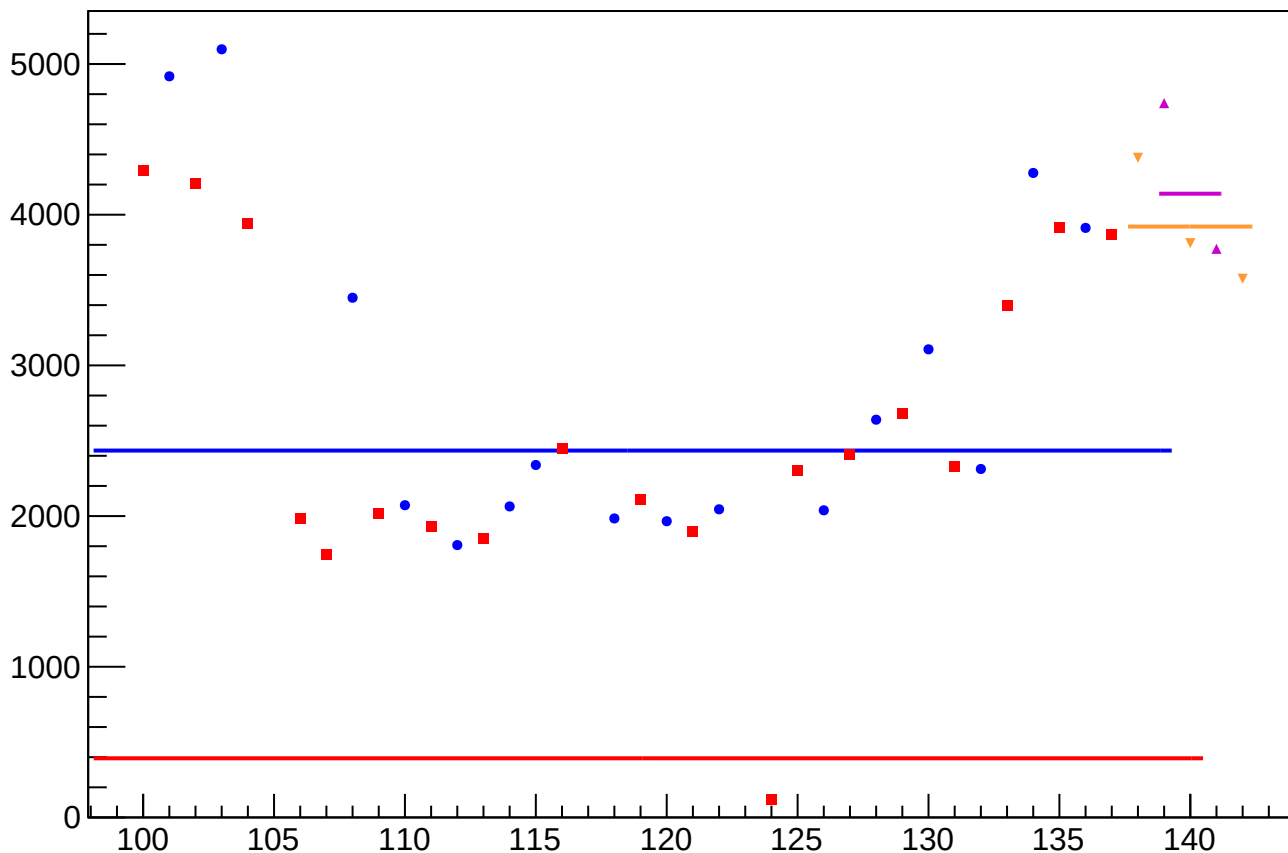
Left In: -934.502+/-3174.344 χ^2/NDF : 0.2/1

+ sign -166.154+/-907.282 χ^2/NDF : 18.0/18

All: 55.588+/-296.906 χ^2/NDF : 39.0/39

- sign 82.183+/-314.207 χ^2/NDF : 20.9/20

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758 $\pm$ 0.679 χ^2 /NDF: 1456027.7/15

Left Out: 3921.327 $\pm$ 1.947 χ^2 /NDF:26292.9/2

Right Out: 392.666 $\pm$ 0.223 χ^2 /NDF: 11408006.3/18

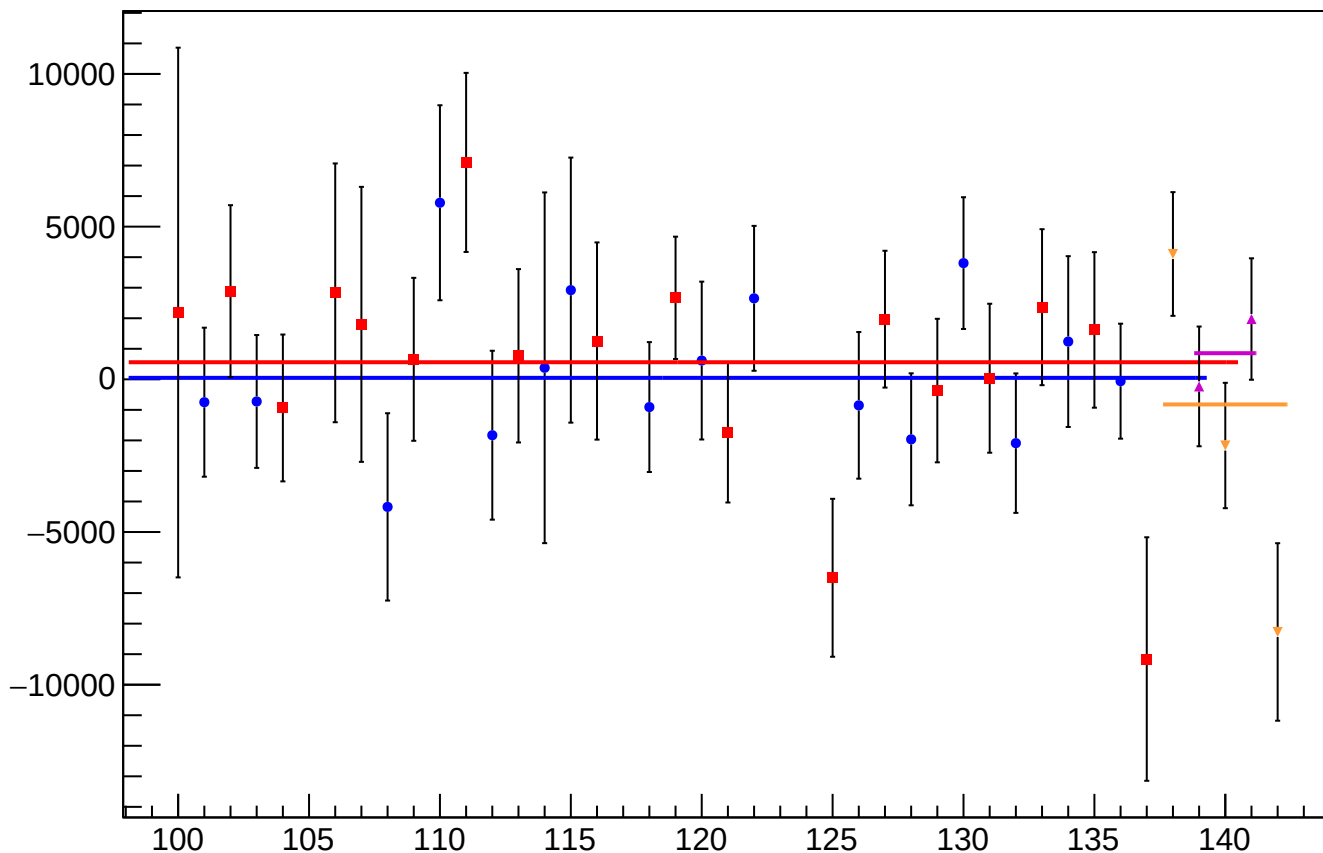
Left In: 4139.366 $\pm$ 2.245 χ^2 /NDF:43638.0/1

+ sign 2596.175 $\pm$ 0.642 χ^2 /NDF: 2002028.8/18

All: 661.419 $\pm$ 0.210 χ^2 /NDF: 26398315.3/39

- sign 429.374 $\pm$ 0.222 χ^2 /NDF: 14210594.8/20

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF : 12.8/15

Left Out: -822.753+/-1291.616 χ^2/NDF : 12.9/2

Right Out: 559.598+/-645.291 χ^2/NDF : 23.3/17

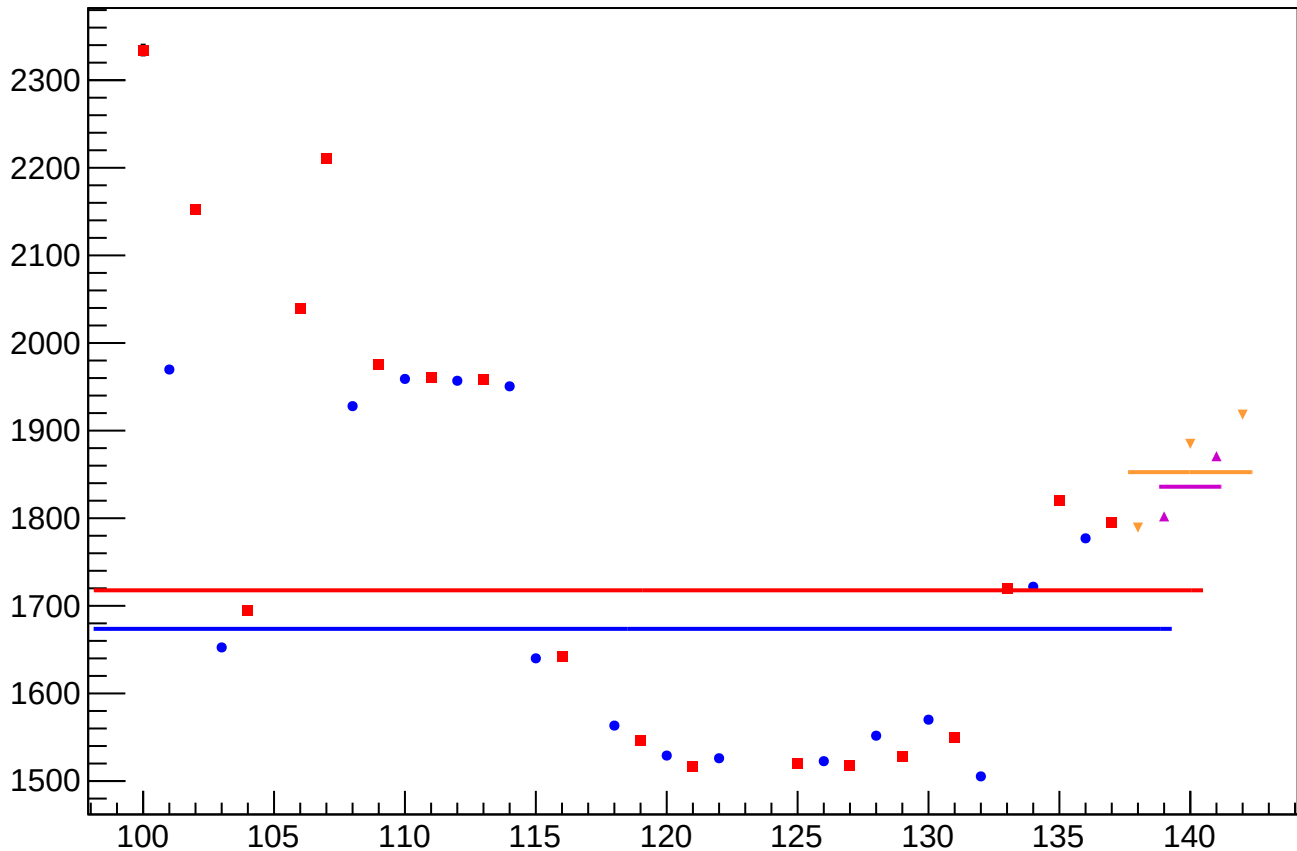
Left In: 855.865+/-1395.913 χ^2/NDF : 0.6/1

+ sign -117.429+/-563.434 χ^2/NDF : 26.1/18

All: 233.022+/-406.063 χ^2/NDF : 50.8/38

- sign 611.762+/-585.735 χ^2/NDF : 23.9/19

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF : 140873.1/15

Left Out: 1852.606+/-0.913 χ^2/NDF : 3466.8/2

Right Out: 1717.713+/-0.455 χ^2/NDF : 227642.0/17

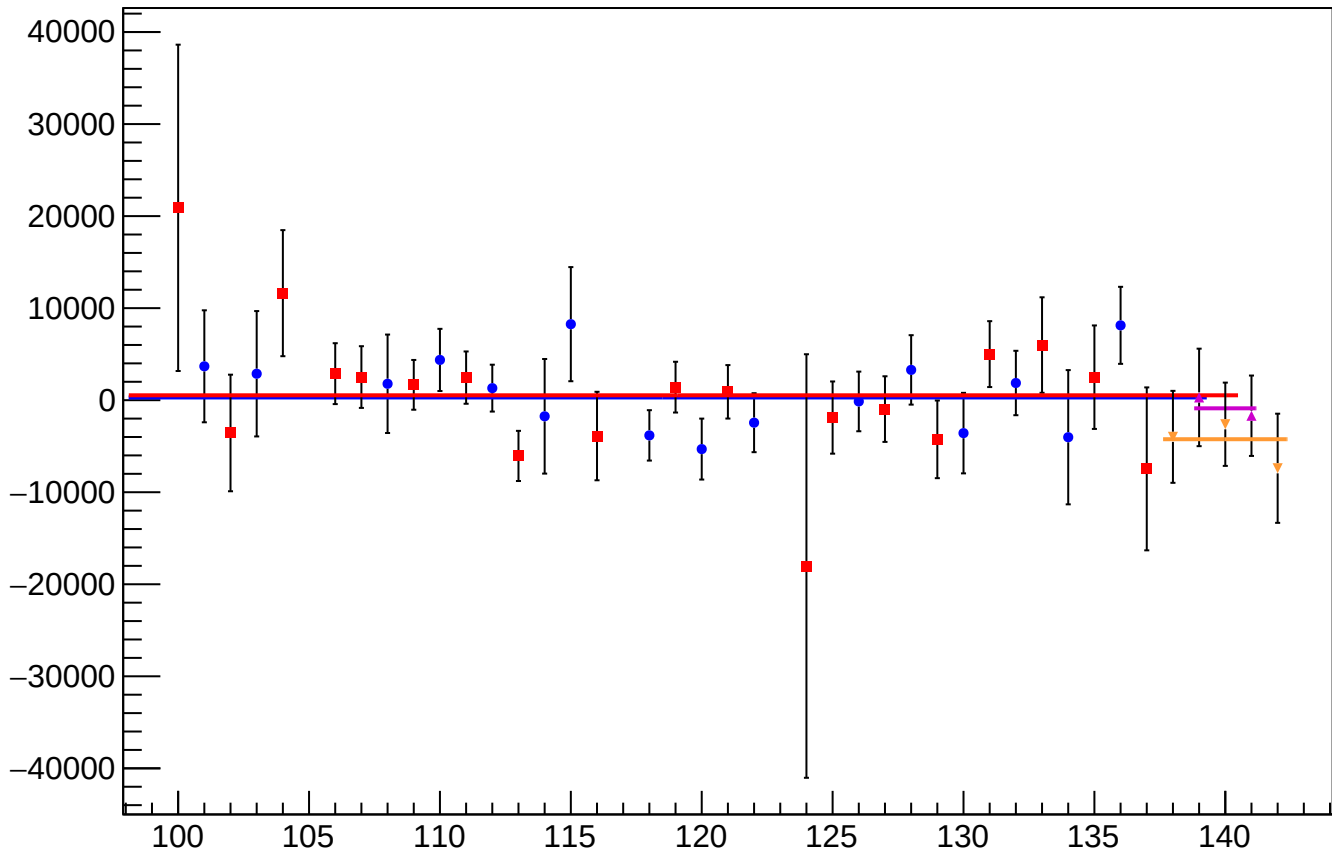
Left In: 1835.965+/-0.987 χ^2/NDF : 1210.5/1

+ sign 1707.767+/-0.398 χ^2/NDF : 175399.9/18

All: 1722.545+/-0.287 χ^2/NDF : 418944.7/38

- sign 1738.455+/-0.413 χ^2/NDF : 240687.7/19

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517 $\pm$ 964.677 χ^2 /NDF: 15.3/15

Left Out: -4240.865 $\pm$ 2919.021 χ^2 /NDF: 0.4/2

Right Out: 531.007 $\pm$ 883.969 χ^2 /NDF: 18.8/18

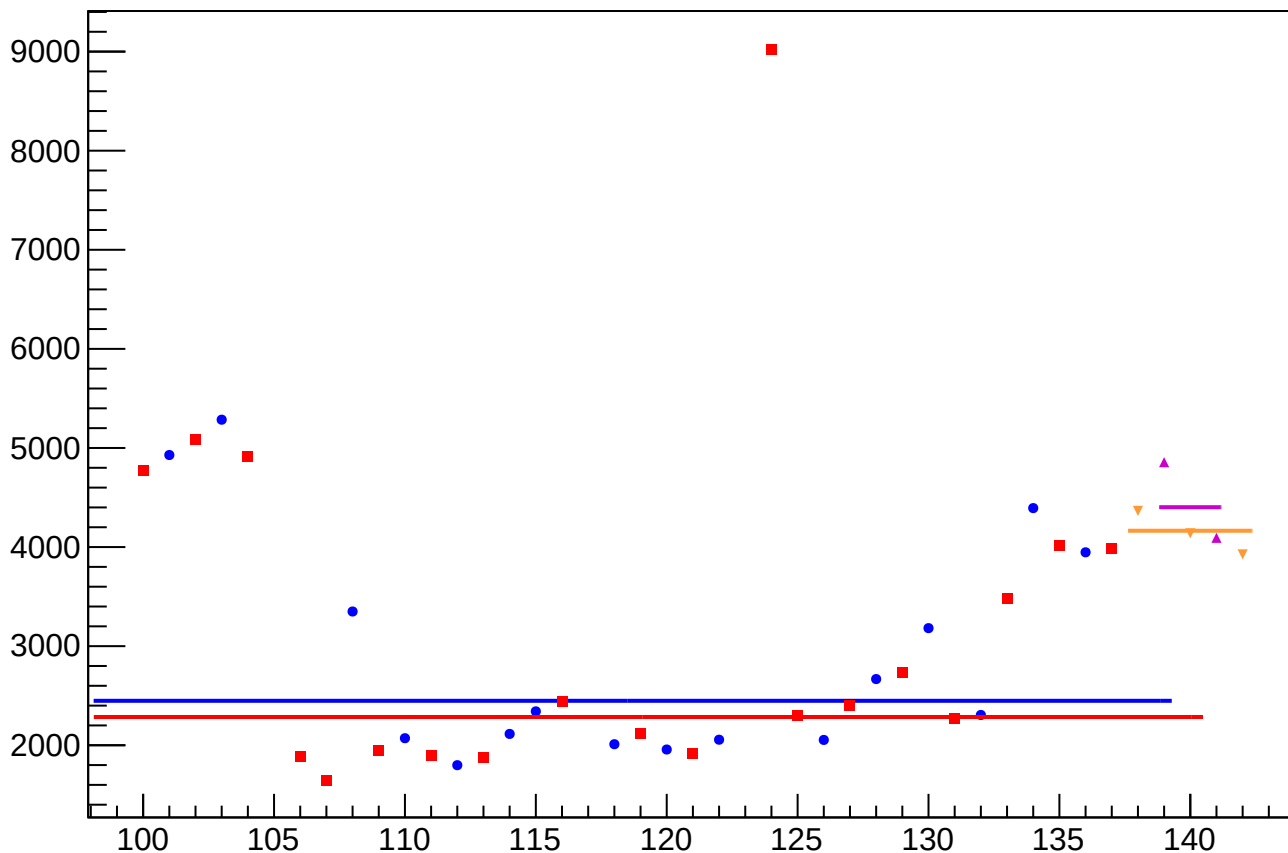
Left In: -884.142 $\pm$ 3369.546 χ^2 /NDF: 0.1/1

+ sign -150.248 $\pm$ 915.954 χ^2 /NDF: 17.9/18

All: 165.094 $\pm$ 625.029 χ^2 /NDF: 37.1/39

- sign 439.884 $\pm$ 855.035 χ^2 /NDF: 19.0/20

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF : 1517585.7/15

Left Out: 4164.696+/-2.064 χ^2/NDF : 6519.9/2

Right Out: 2285.075+/-0.625 χ^2/NDF : 1548819.2/18

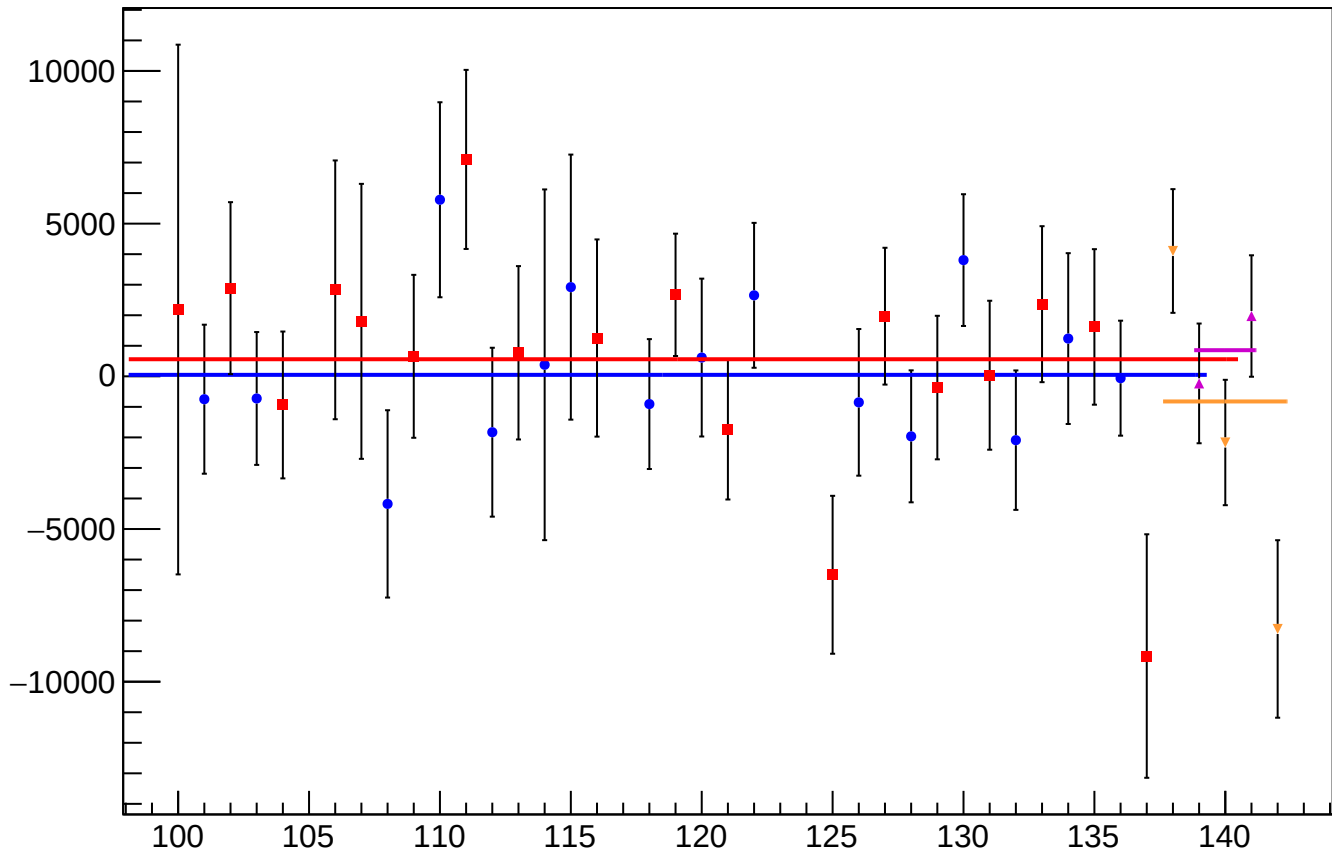
Left In: 4402.373+/-2.383 χ^2/NDF : 24715.5/1

+ sign 2617.570+/-0.648 χ^2/NDF : 2147299.7/18

All: 2512.750+/-0.442 χ^2/NDF : 4508682.4/39

- sign 2421.410+/-0.605 χ^2/NDF : 2312366.7/20

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329 ± 626.151 χ^2/NDF : 12.8/15

Left Out: -822.766 ± 1291.617 χ^2/NDF : 12.9/2

Right Out: 559.600 ± 645.291 χ^2/NDF : 23.3/17

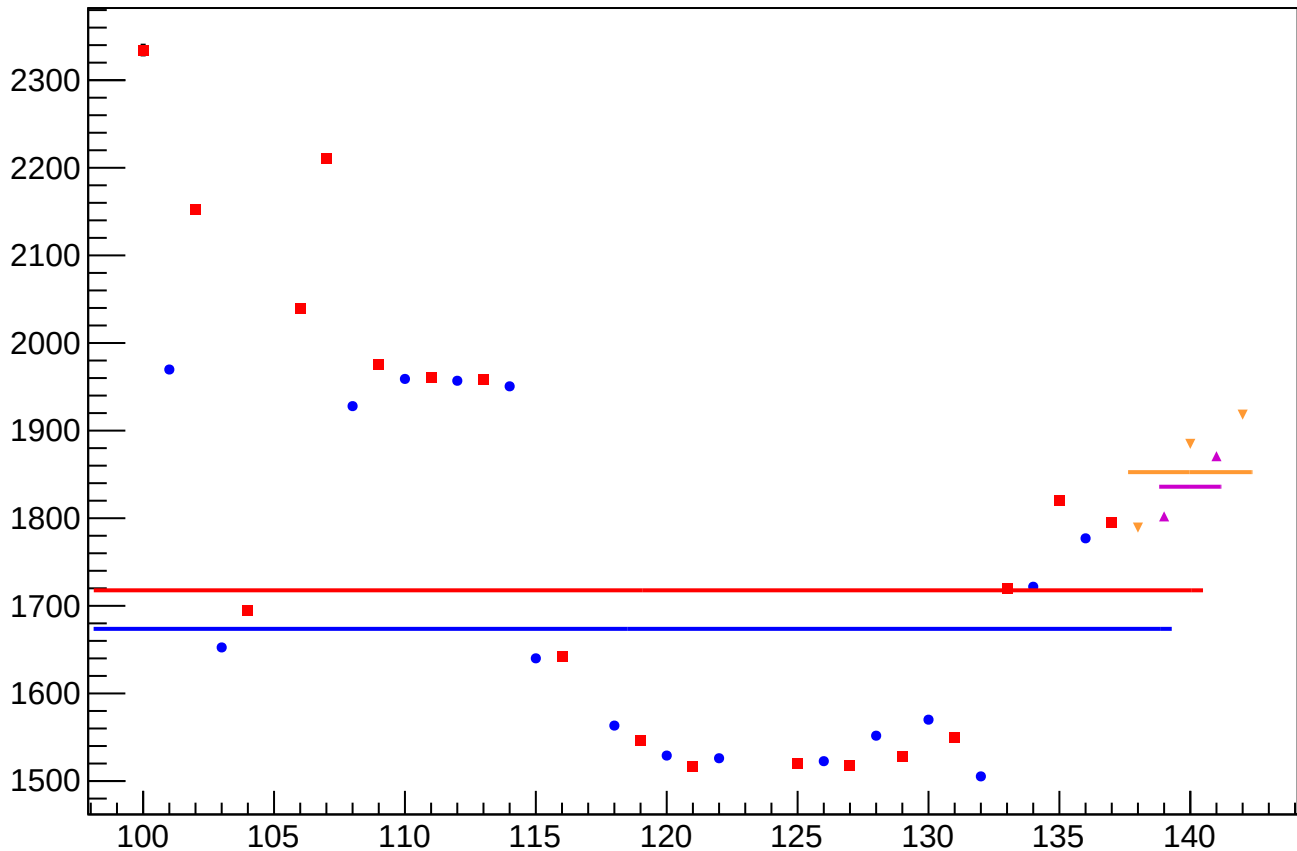
Left In: 855.865 ± 1395.914 χ^2/NDF : 0.6/1

+ sign -117.433 ± 563.434 χ^2/NDF : 26.1/18

All: 233.020 ± 406.063 χ^2/NDF : 50.8/38

- sign 611.763 ± 585.735 χ^2/NDF : 23.9/19

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728 $\pm$ 0.443 χ^2 /NDF: 140873.1/15

Left Out: 1852.607 $\pm$ 0.913 χ^2 /NDF: 3466.9/2

Right Out: 1717.713 $\pm$ 0.455 χ^2 /NDF: 227641.3/17

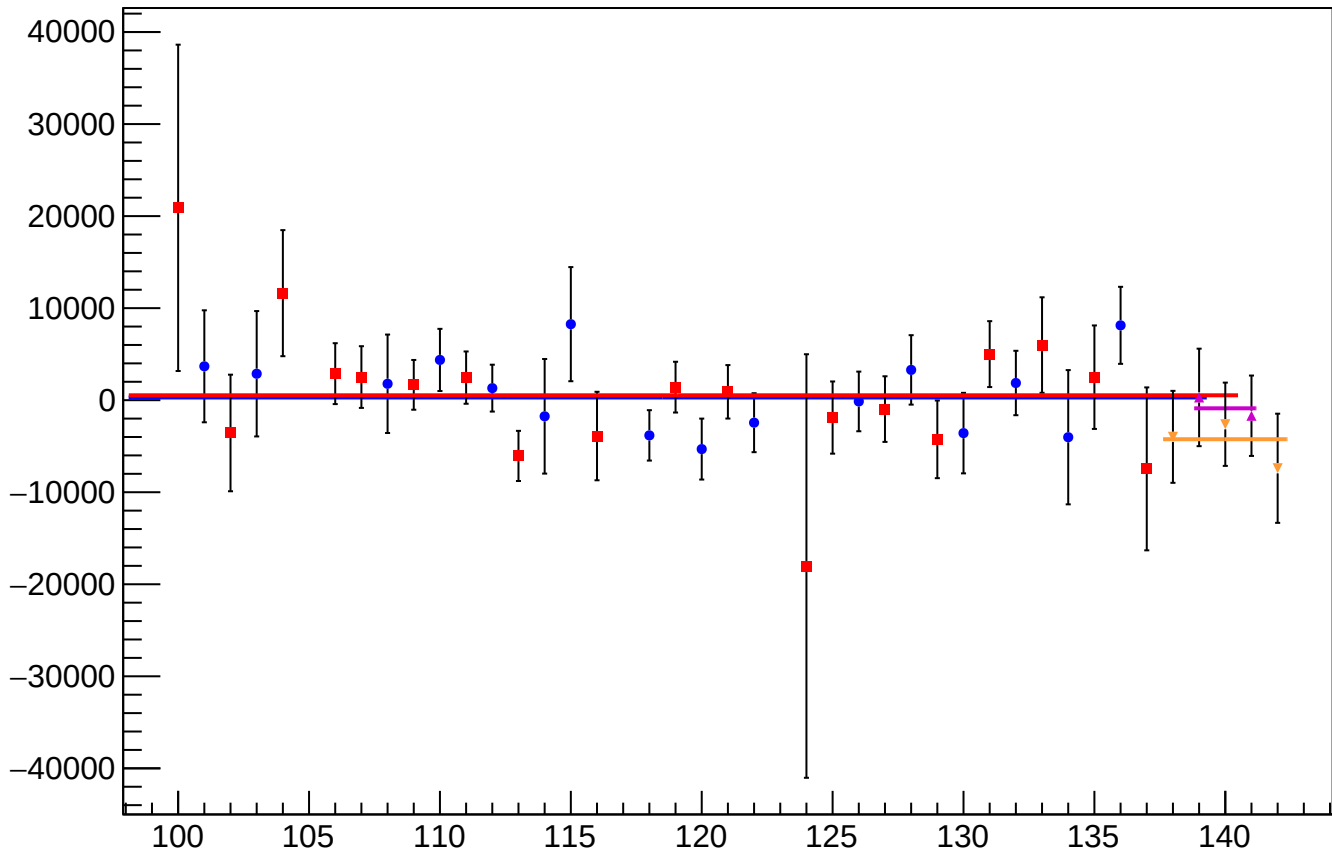
Left In: 1835.967 $\pm$ 0.987 χ^2 /NDF: 1210.5/1

+ sign 1707.767 $\pm$ 0.398 χ^2 /NDF: 175400.4/18

All: 1722.545 $\pm$ 0.287 χ^2 /NDF: 418944.7/38

- sign 1738.455 $\pm$ 0.413 χ^2 /NDF: 240687.2/19

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511 $\pm$ 964.673 χ^2 /NDF: 15.3/15

Left Out: -4240.882 $\pm$ 2919.029 χ^2 /NDF:0.4/2

Right Out: 531.009 $\pm$ 883.966 χ^2 /NDF: 18.8/18

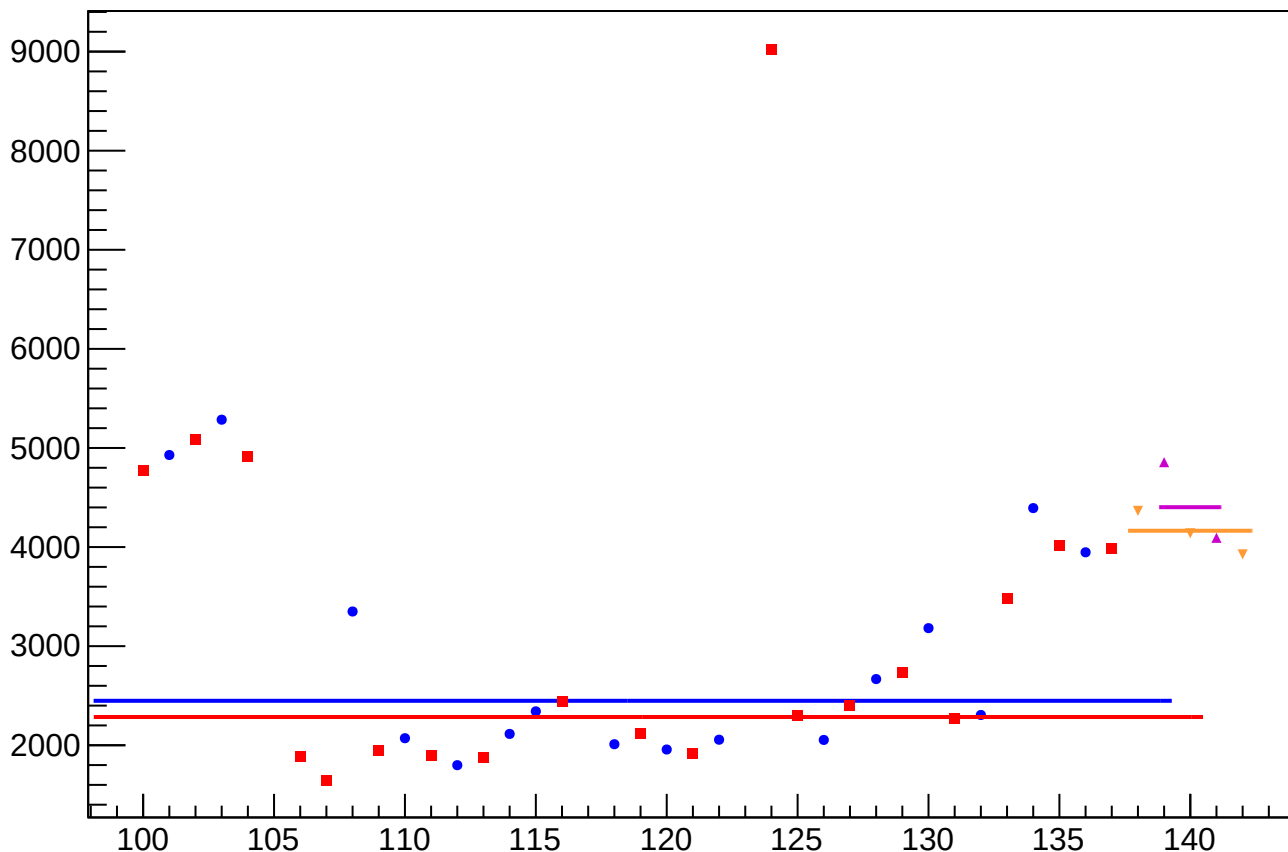
Left In: -884.144 $\pm$ 3369.555 χ^2 /NDF:0.1/1

+ sign -150.249 $\pm$ 915.951 χ^2 /NDF: 17.9/18

All: 165.094 $\pm$ 625.027 χ^2 /NDF: 37.1/39

- sign 439.887 $\pm$ 855.033 χ^2 /NDF: 19.0/20

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF : 1517598.4/15

Left Out: 4164.708+/-2.064 χ^2/NDF : 6520.0/2

Right Out: 2285.066+/-0.625 χ^2/NDF : 1548827.3/18

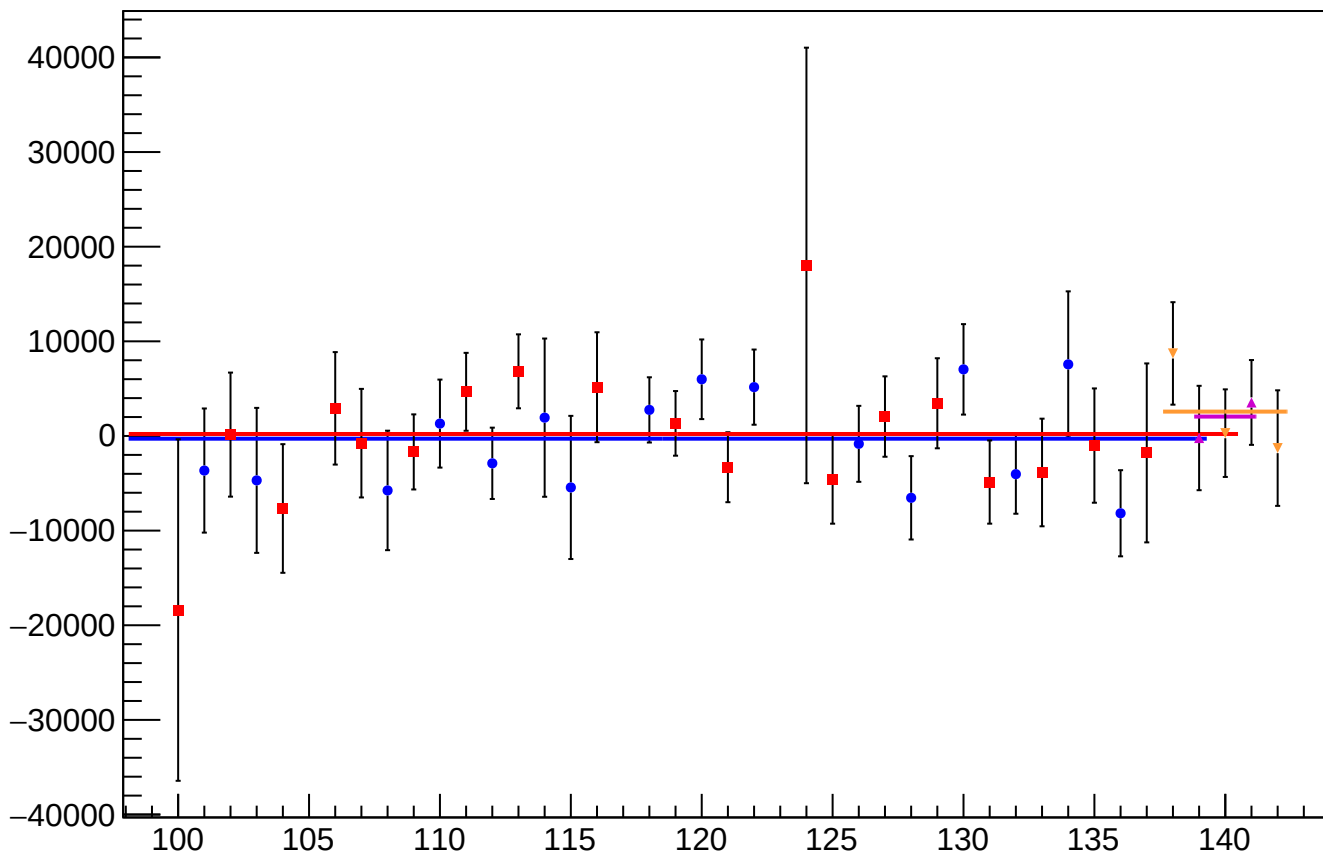
Left In: 4402.384+/-2.383 χ^2/NDF : 24716.2/1

+ sign 2617.560+/-0.648 χ^2/NDF : 2147326.4/18

All: 2512.741+/-0.442 χ^2/NDF : 4508727.7/39

- sign 2421.401+/-0.605 χ^2/NDF : 2312385.8/20

asym_atl_dd_mean vs Slug



Right In: -287.276 ± 1197.339 χ^2/NDF : 16.6/15

Left Out: 2574.341 ± 3048.173 χ^2/NDF : 1.9/2

Right Out: 209.473 ± 1153.742 χ^2/NDF : 12.9/18

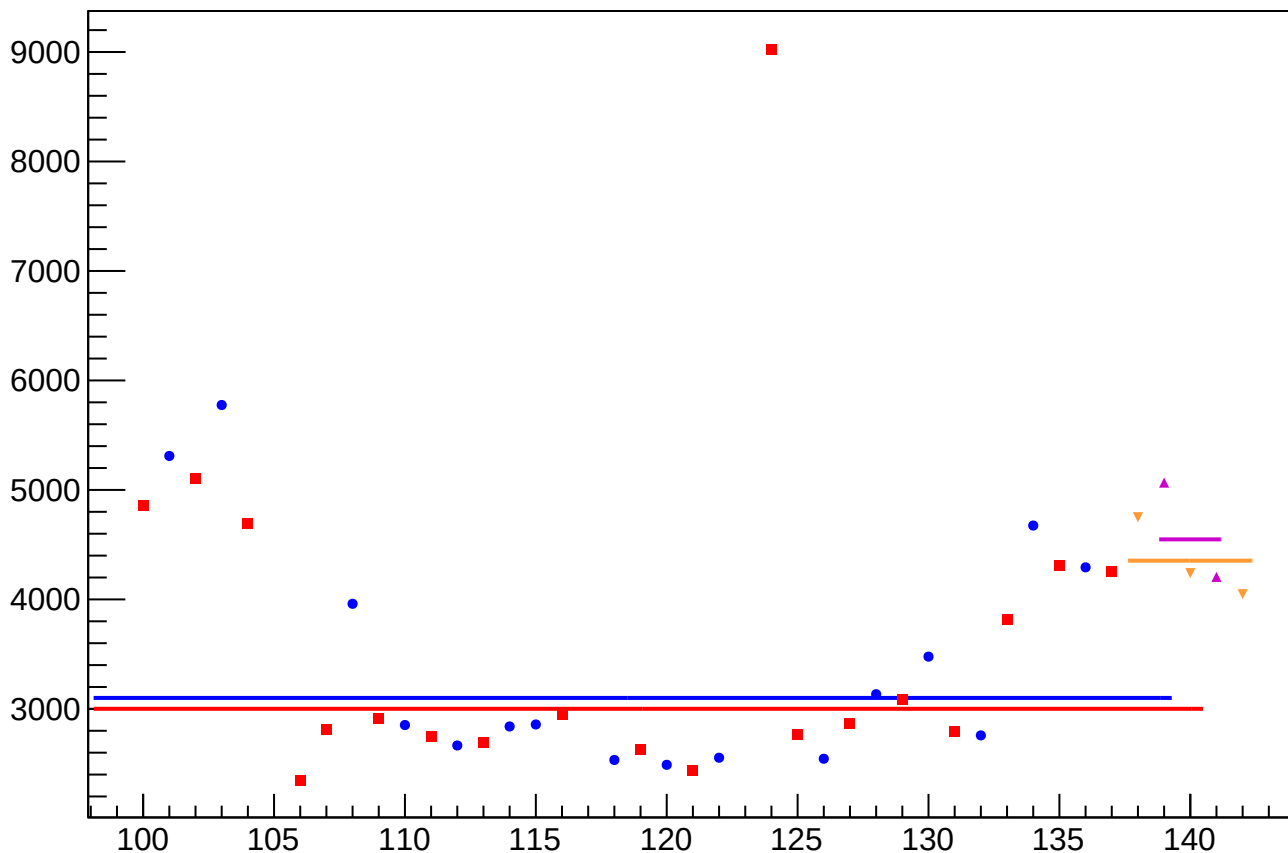
Left In: 2047.309 ± 3477.893 χ^2/NDF : 0.3/1

+ sign 95.240 ± 1114.445 χ^2/NDF : 19.3/18

All: 246.057 ± 781.087 χ^2/NDF : 32.7/39

- sign 391.673 ± 1095.060 χ^2/NDF : 13.4/20

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF : 963669.6/15

Left Out: 4353.745+/-2.155 χ^2/NDF : 16977.0/2

Right Out: 3000.750+/-0.805 χ^2/NDF : 806601.4/18

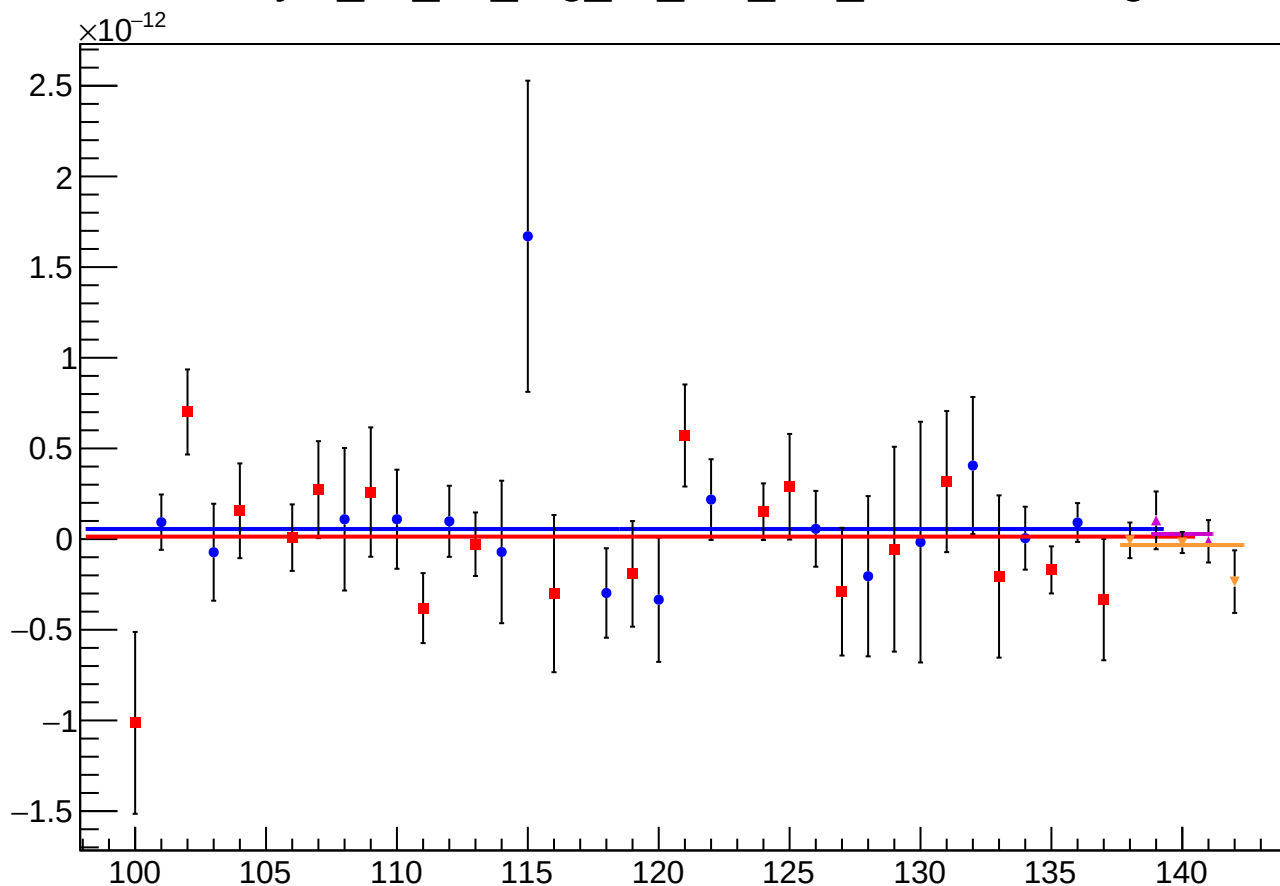
Left In: 4548.294+/-2.459 χ^2/NDF : 29362.4/1

+ sign 3267.706+/-0.788 χ^2/NDF : 1273708.3/18

All: 3207.334+/-0.549 χ^2/NDF : 2478753.3/39

- sign 3150.455+/-0.765 χ^2/NDF : 1193646.0/20

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 : 1.5/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 30.0/18

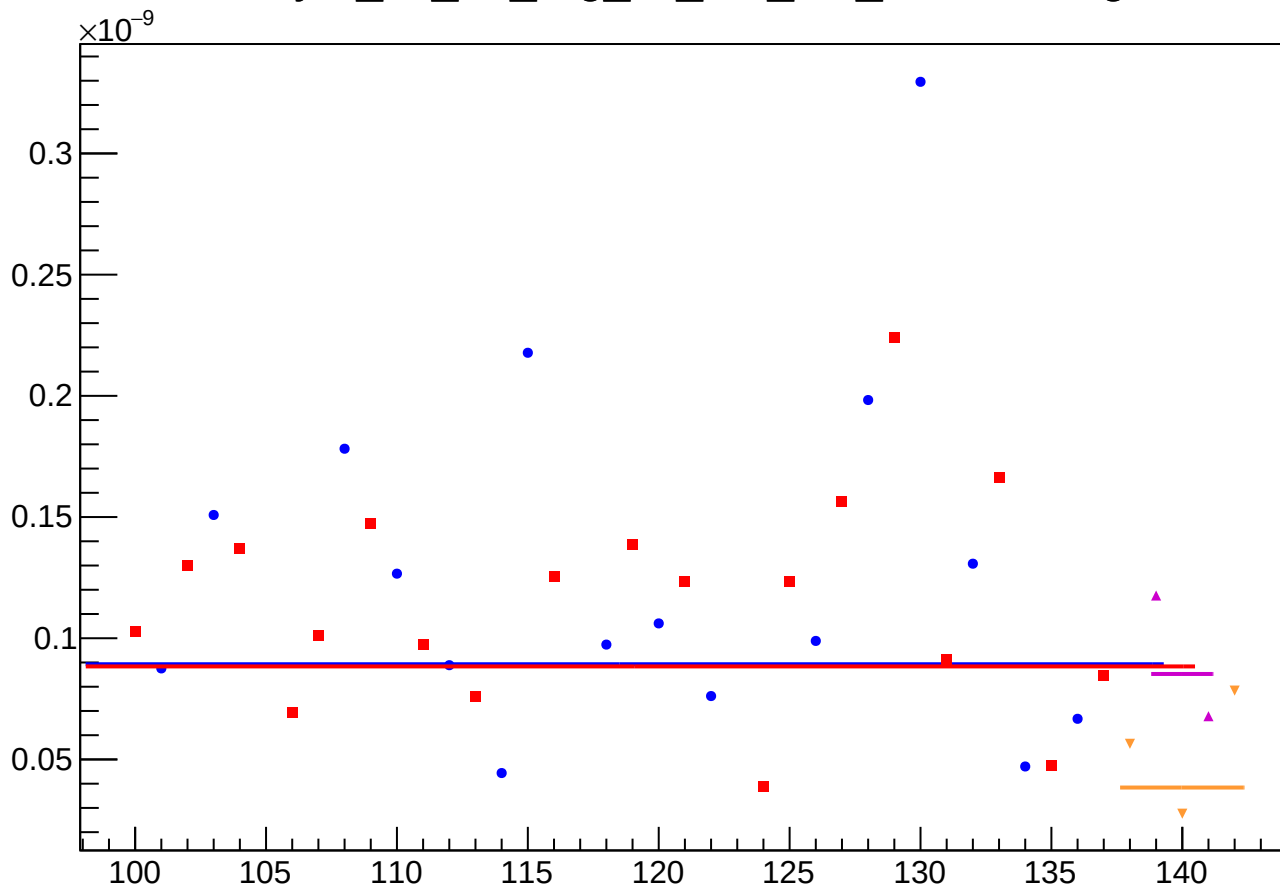
Left In: 0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign 0.000 ± 0.000 χ^2/NDF : 12.2/18

All: 0.000 ± 0.000 χ^2/NDF : 42.7/39

- sign 0.000 ± 0.000 χ^2/NDF : 30.4/20

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 949608.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 244384.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1013814.1/18

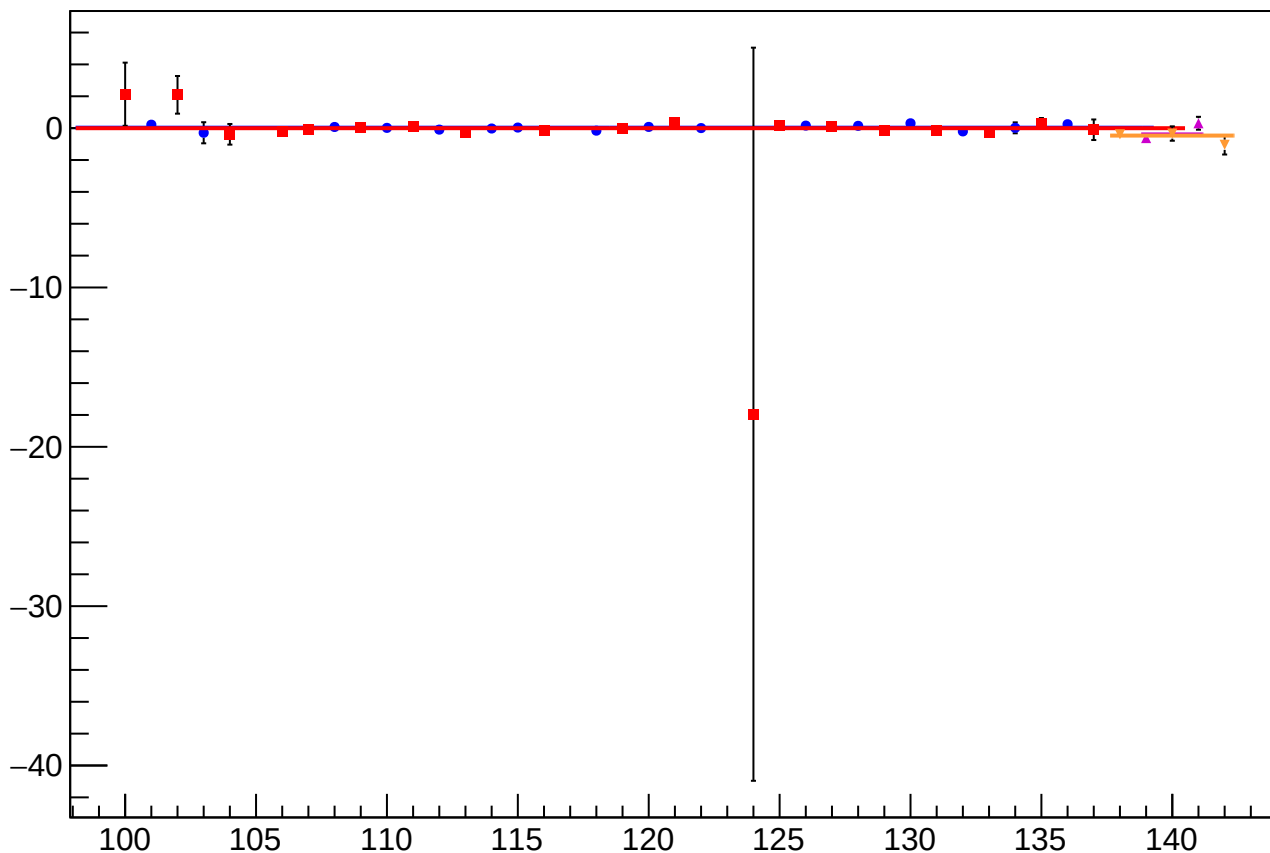
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 127040.7/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2136841.9/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 3706194.3/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1142471.8/20

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.045 χ^2/NDF : 8.9/15

Left Out: -0.466 ± 0.228 χ^2/NDF : 1.0/2

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

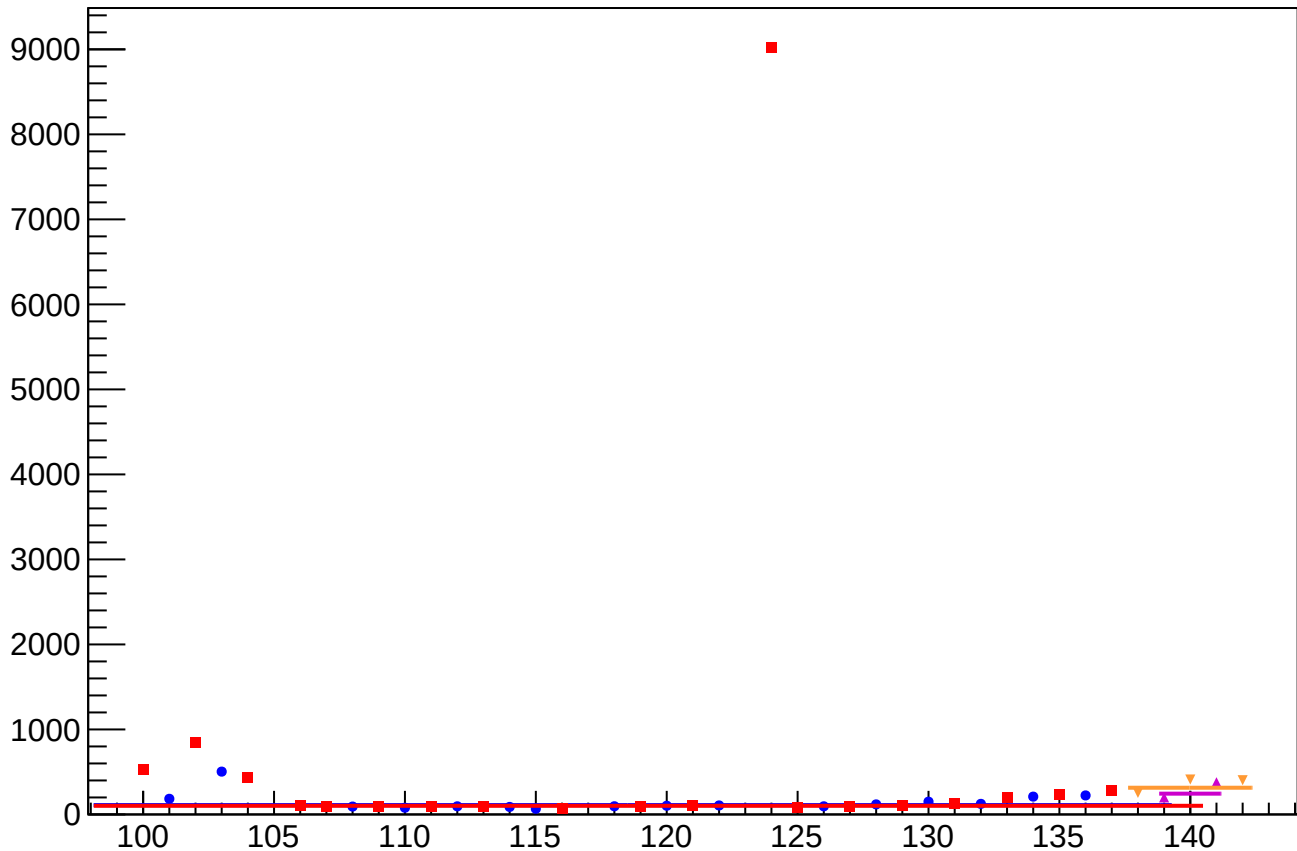
Left In: -0.393 ± 0.201 χ^2/NDF : 4.0/1

+ sign 0.009 ± 0.044 χ^2/NDF : 14.4/18

All: -0.006 ± 0.031 χ^2/NDF : 44.6/39

- sign -0.021 ± 0.042 χ^2/NDF : 29.9/20

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988 ± 0.032 χ^2/NDF : 1930558.2/15

Left Out: 314.395 ± 0.161 χ^2/NDF : 219617.5/2

Right Out: 101.852 ± 0.031 χ^2/NDF : 2589792.8/18

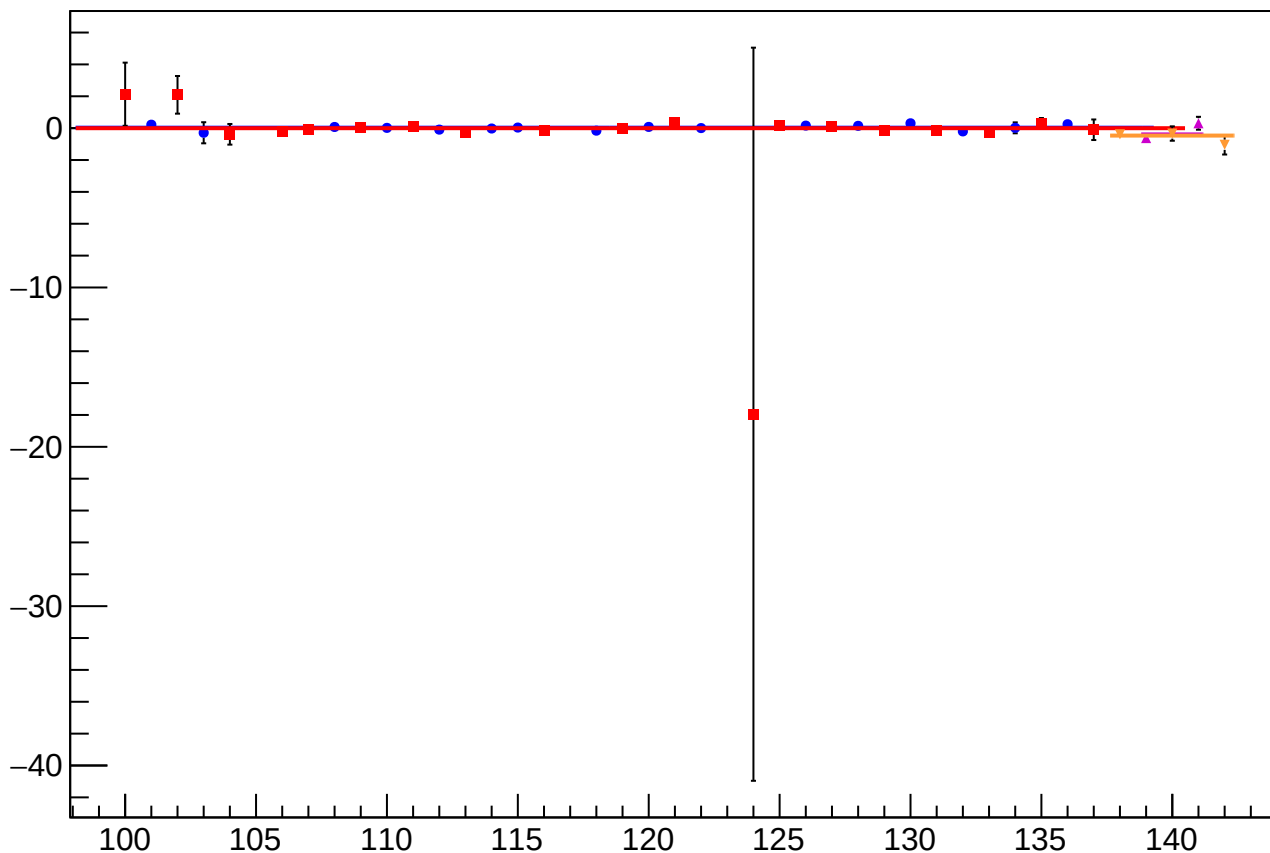
Left In: 244.644 ± 0.142 χ^2/NDF : 293529.3/1

+ sign 117.750 ± 0.031 χ^2/NDF : 3696477.2/18

All: 112.748 ± 0.022 χ^2/NDF : 7590891.9/39

- sign 108.193 ± 0.030 χ^2/NDF : 3845980.8/20

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: -0.466 ± 0.228 χ^2/NDF : 1.0/2

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

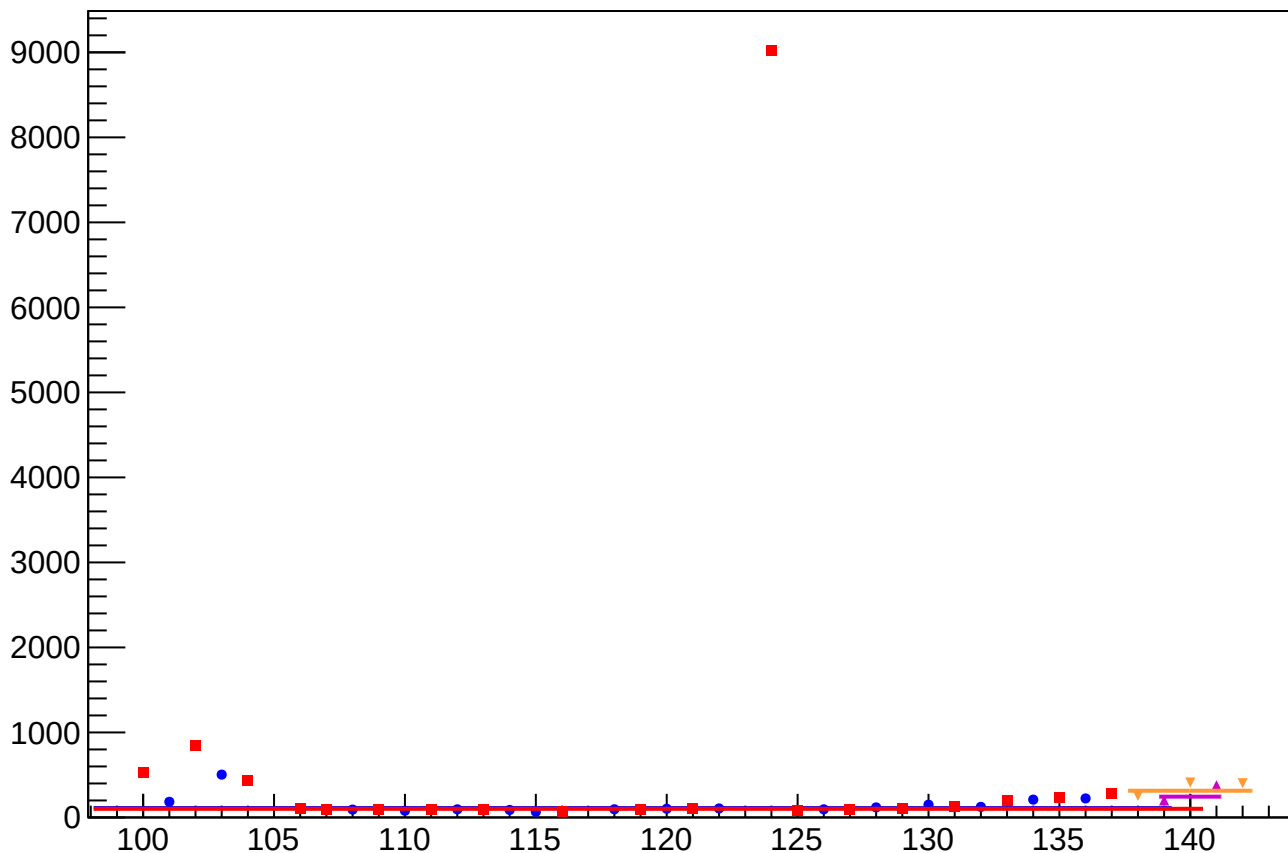
Left In: -0.393 ± 0.201 χ^2/NDF : 4.0/1

+ sign 0.009 ± 0.044 χ^2/NDF : 14.4/18

All: -0.006 ± 0.031 χ^2/NDF : 44.6/39

- sign -0.021 ± 0.042 χ^2/NDF : 29.9/20

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: 314.395 $\pm$ 0.161 χ^2 /NDF:219617.5/2

Right Out: 101.852 $\pm$ 0.031 χ^2 /NDF: 2589792.8/18

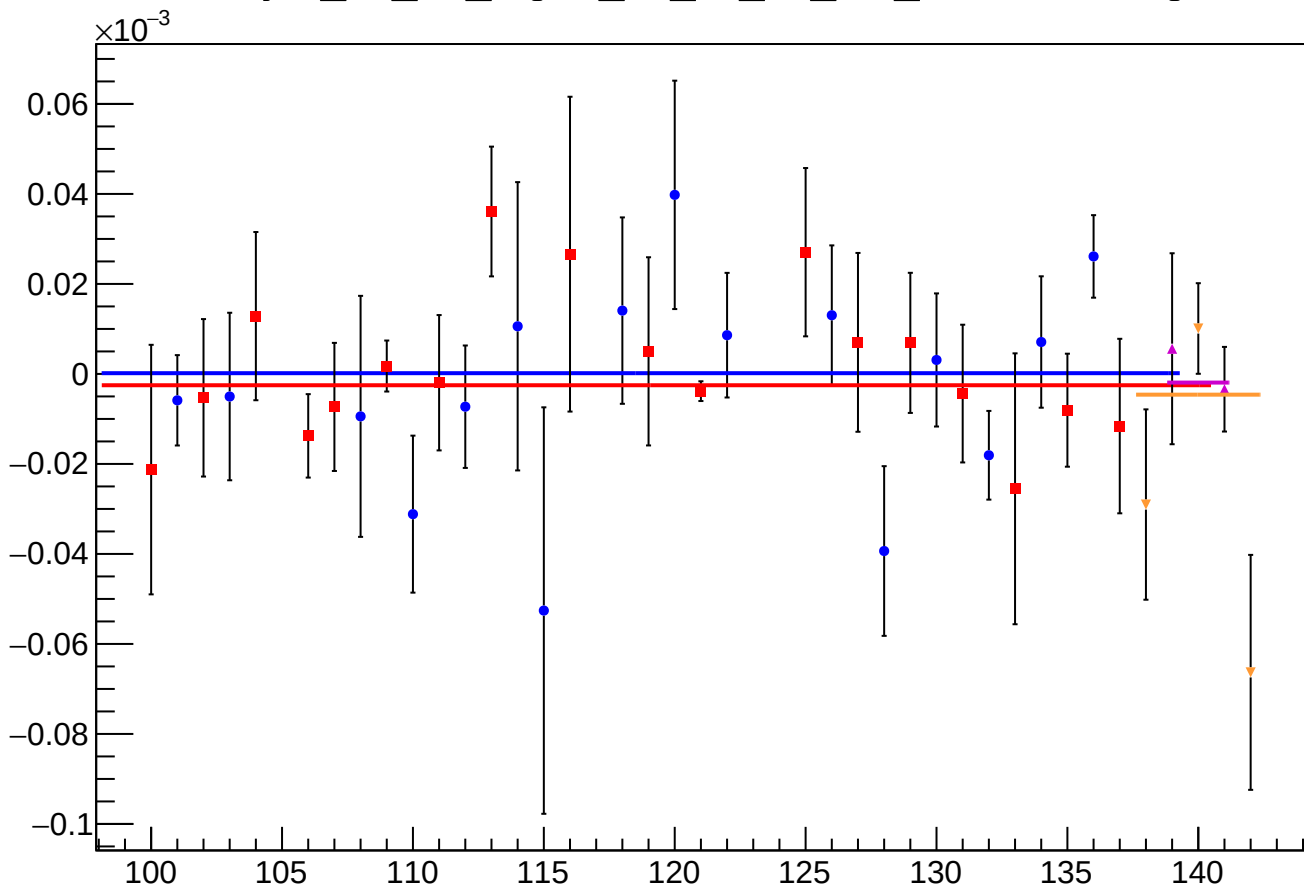
Left In: 244.644 $\pm$ 0.142 χ^2 /NDF:293529.3/1

+ sign 117.750 $\pm$ 0.031 χ^2 /NDF: 3696477.2/18

All: 112.748 $\pm$ 0.022 χ^2 /NDF: 7590891.9/39

- sign 108.193 $\pm$ 0.030 χ^2 /NDF: 3845980.8/20

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 25.6/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 9.1/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.8/17

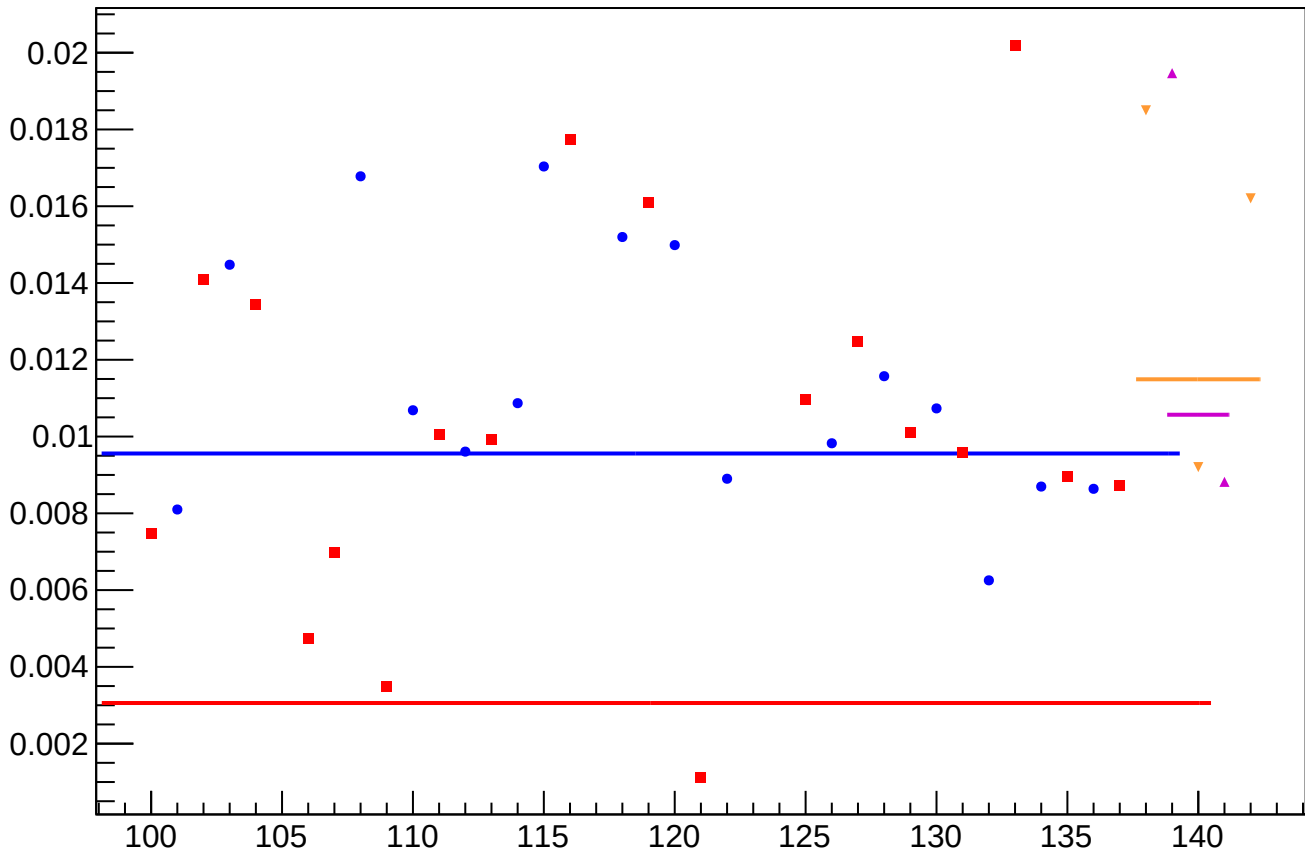
Left In: -0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 34.9/18

All: -0.000 ± 0.000 χ^2/NDF : 51.1/38

- sign -0.000 ± 0.000 χ^2/NDF : 15.9/19

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 926018.8/15

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:388084.1/2

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 8122378.4/17

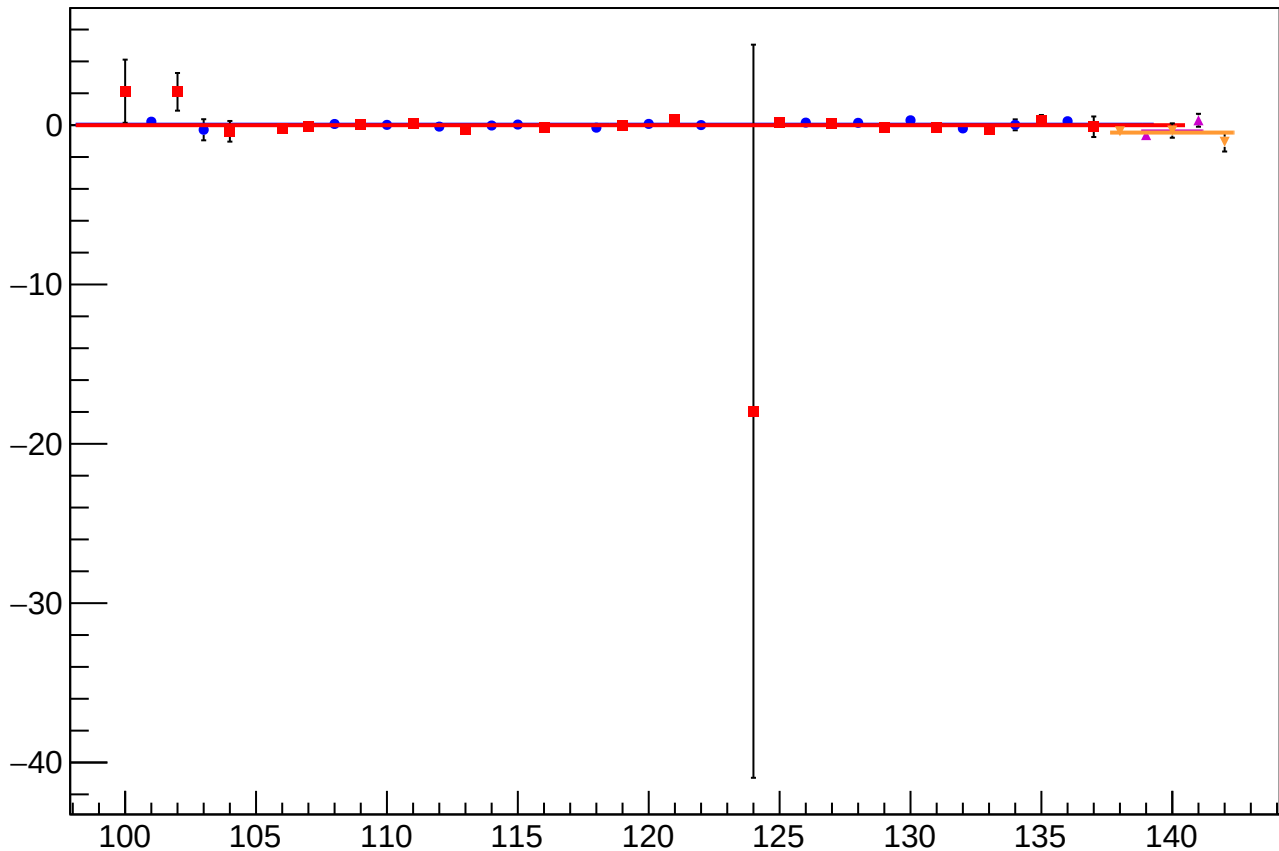
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:420850.9/1

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1399421.6/18

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 17041448.0/38

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10003171.6/19

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: -0.466+/-0.228 χ^2/NDF : 1.0/2

Right Out: -0.003+/-0.043 χ^2/NDF : 22.4/18

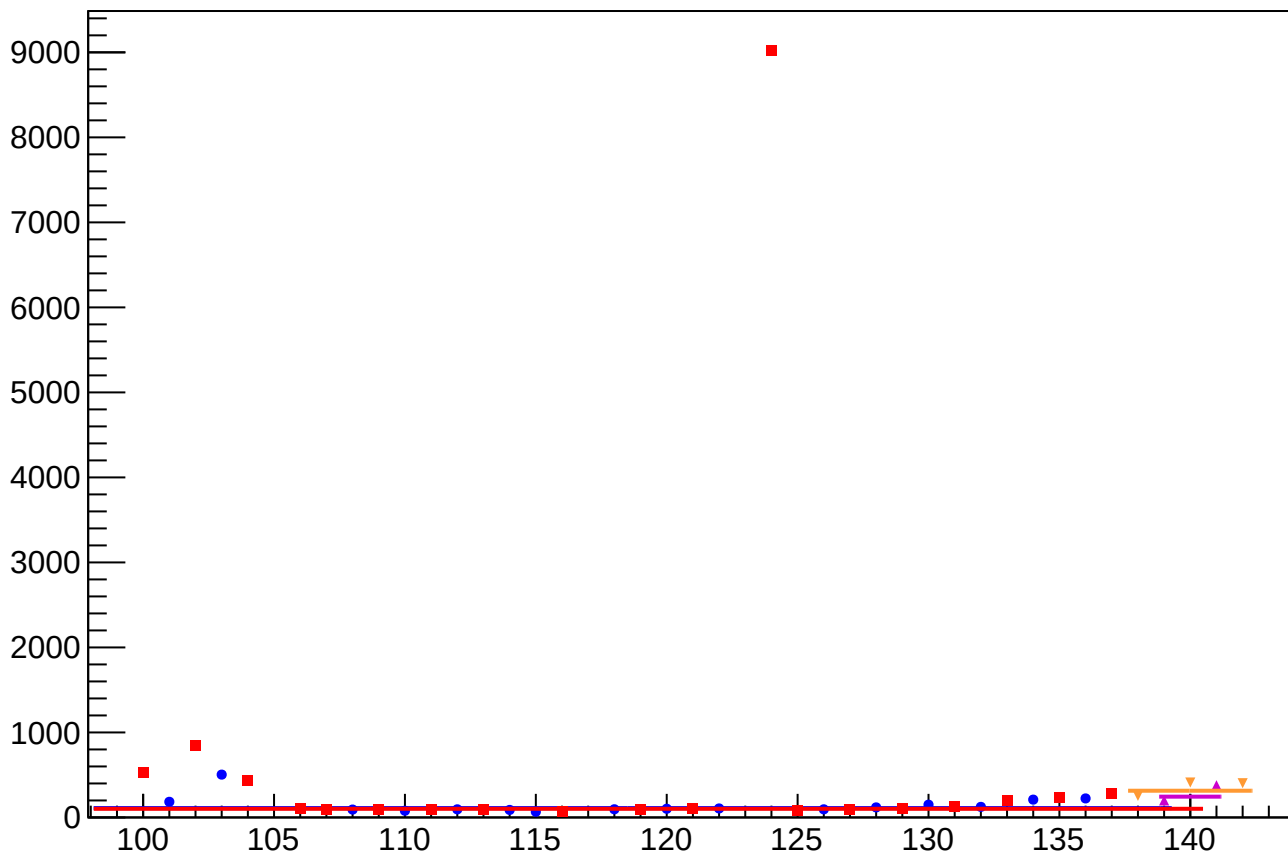
Left In: -0.393+/-0.201 χ^2/NDF : 4.0/1

+ sign 0.009+/-0.044 χ^2/NDF : 14.4/18

All: -0.006+/-0.031 χ^2/NDF : 44.6/39

- sign -0.021+/-0.042 χ^2/NDF : 29.9/20

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989 $\pm$ 0.032 χ^2 /NDF: 1930489.2/15

Left Out: 314.399 $\pm$ 0.161 χ^2 /NDF: 219624.9/2

Right Out: 101.853 $\pm$ 0.031 χ^2 /NDF: 2589710.5/18

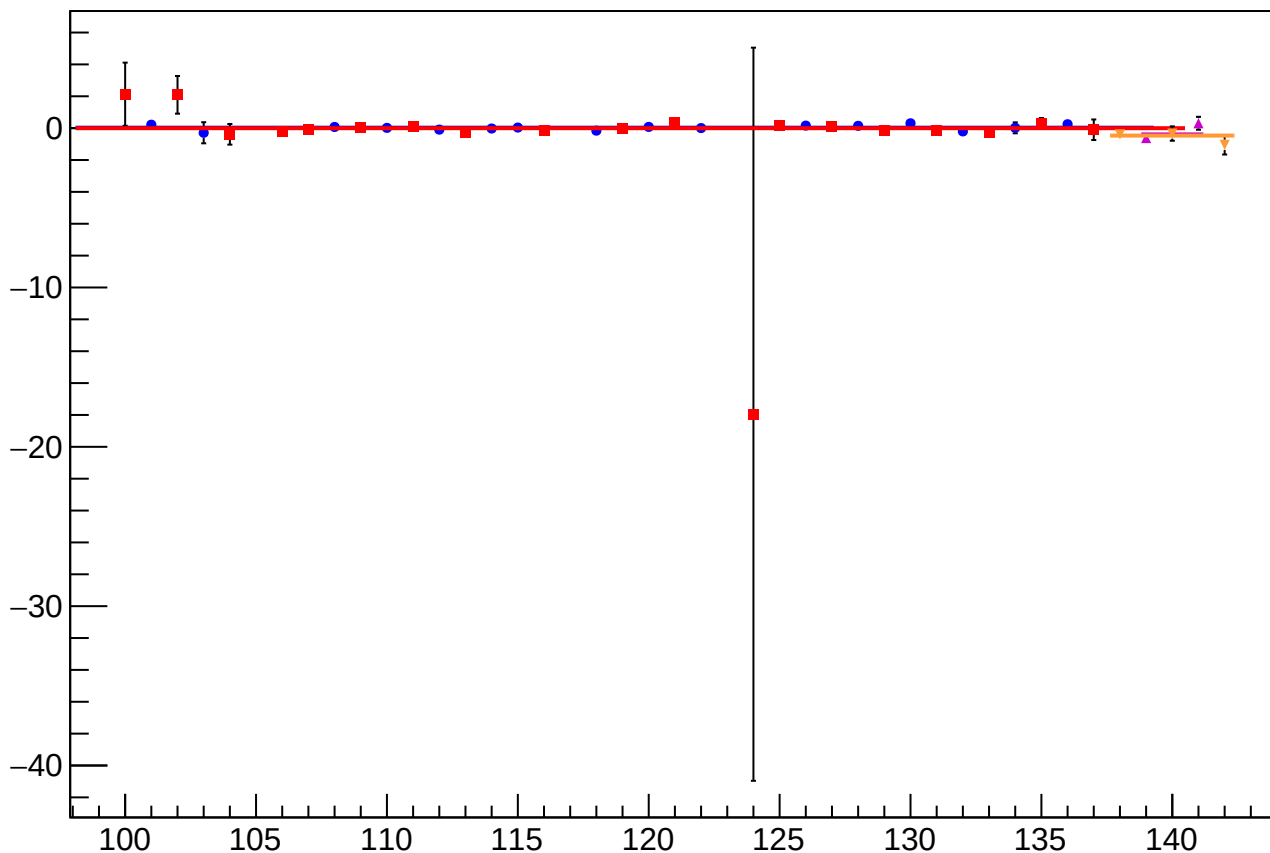
Left In: 244.651 $\pm$ 0.142 χ^2 /NDF: 293515.2/1

+ sign 117.751 $\pm$ 0.031 χ^2 /NDF: 3696424.2/18

All: 112.749 $\pm$ 0.022 χ^2 /NDF: 7590766.5/39

- sign 108.194 $\pm$ 0.030 χ^2 /NDF: 3845913.4/20

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: -0.466 ± 0.228 χ^2/NDF : 1.0/2

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

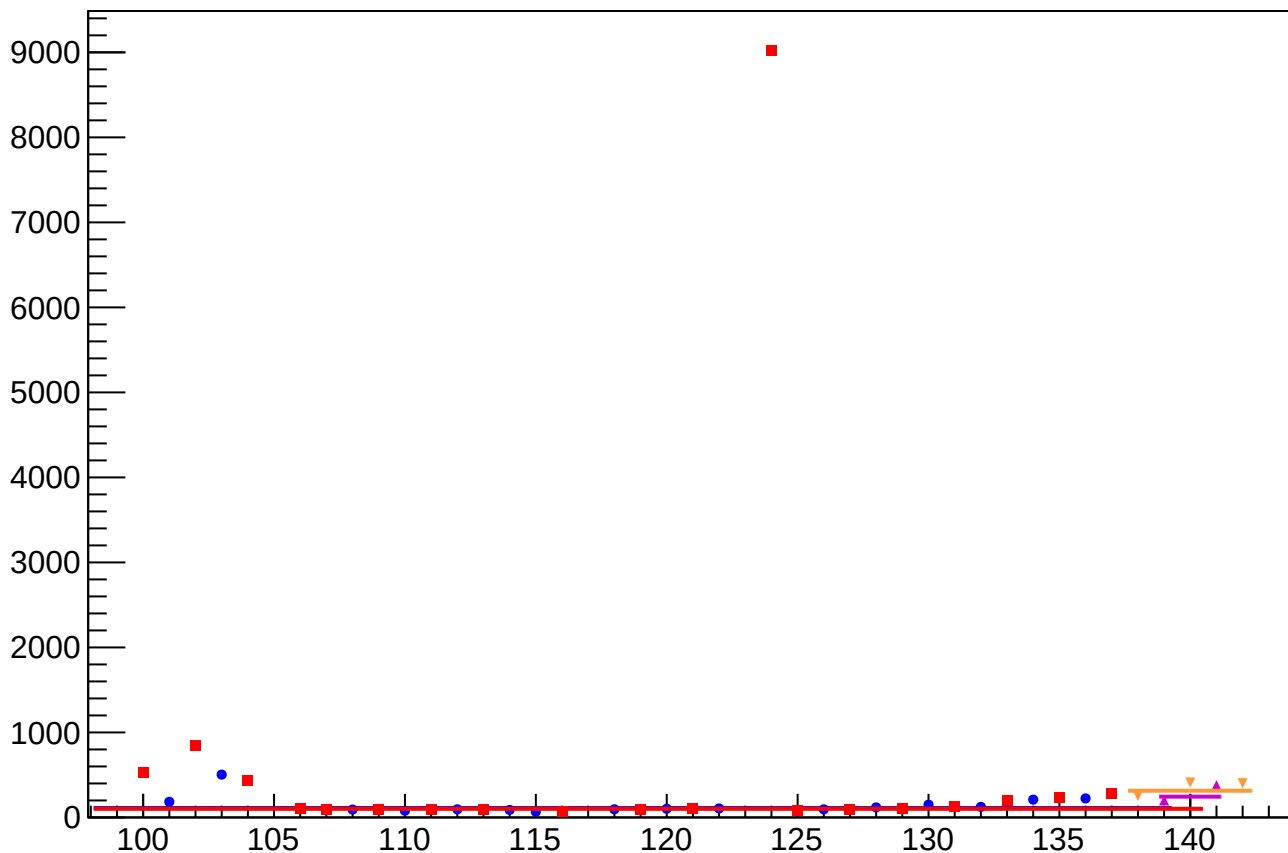
Left In: -0.393 ± 0.201 χ^2/NDF : 4.0/1

+ sign 0.009 ± 0.044 χ^2/NDF : 14.4/18

All: -0.006 ± 0.031 χ^2/NDF : 44.6/39

- sign -0.021 ± 0.042 χ^2/NDF : 29.9/20

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF : 1930489.2/15

Left Out: 314.399+/-0.161 χ^2/NDF : 219624.9/2

Right Out: 101.853+/-0.031 χ^2/NDF : 2589710.5/18

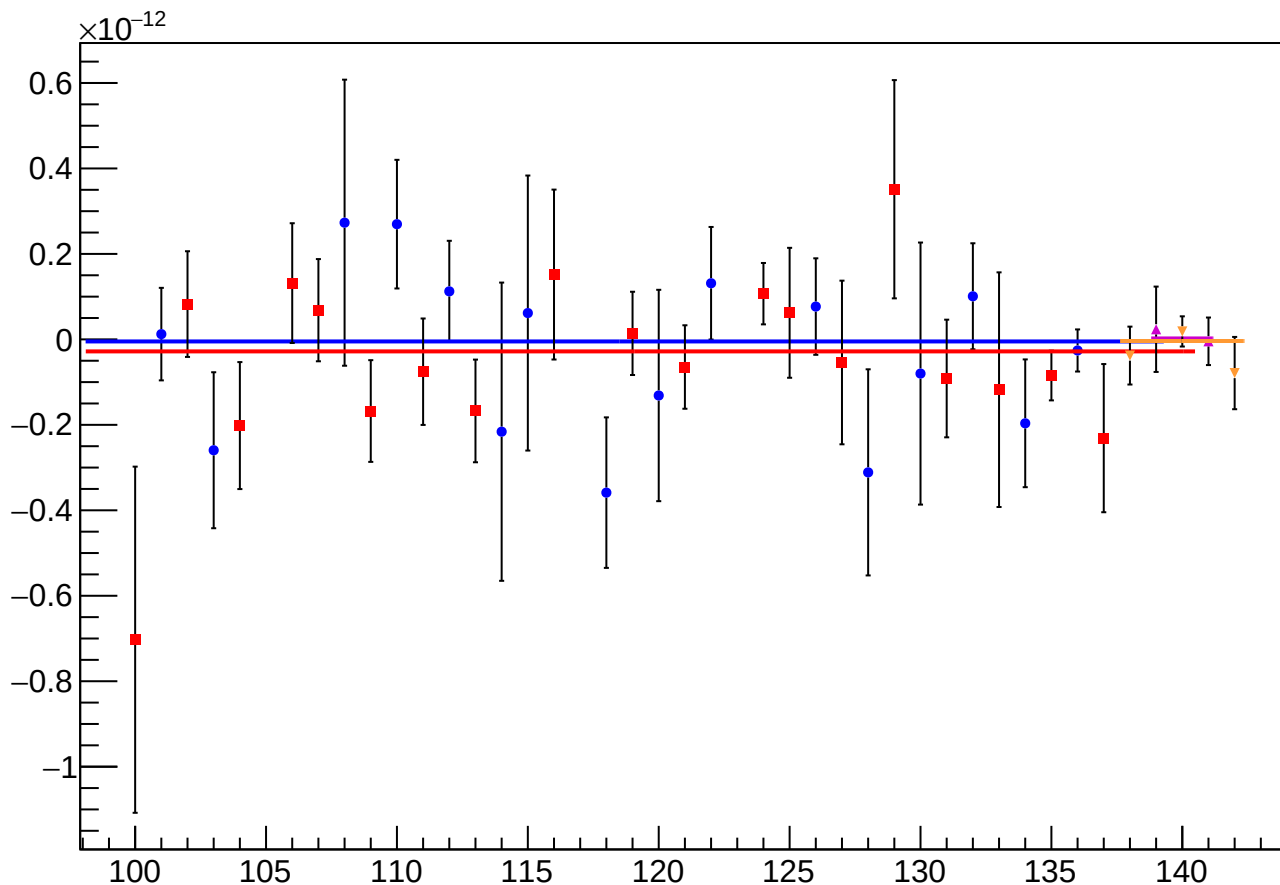
Left In: 244.651+/-0.142 χ^2/NDF : 293515.2/1

+ sign 117.751+/-0.031 χ^2/NDF : 3696424.2/18

All: 112.749+/-0.022 χ^2/NDF : 7590766.5/39

- sign 108.194+/-0.030 χ^2/NDF : 3845913.4/20

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 : 1.4/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.6/18

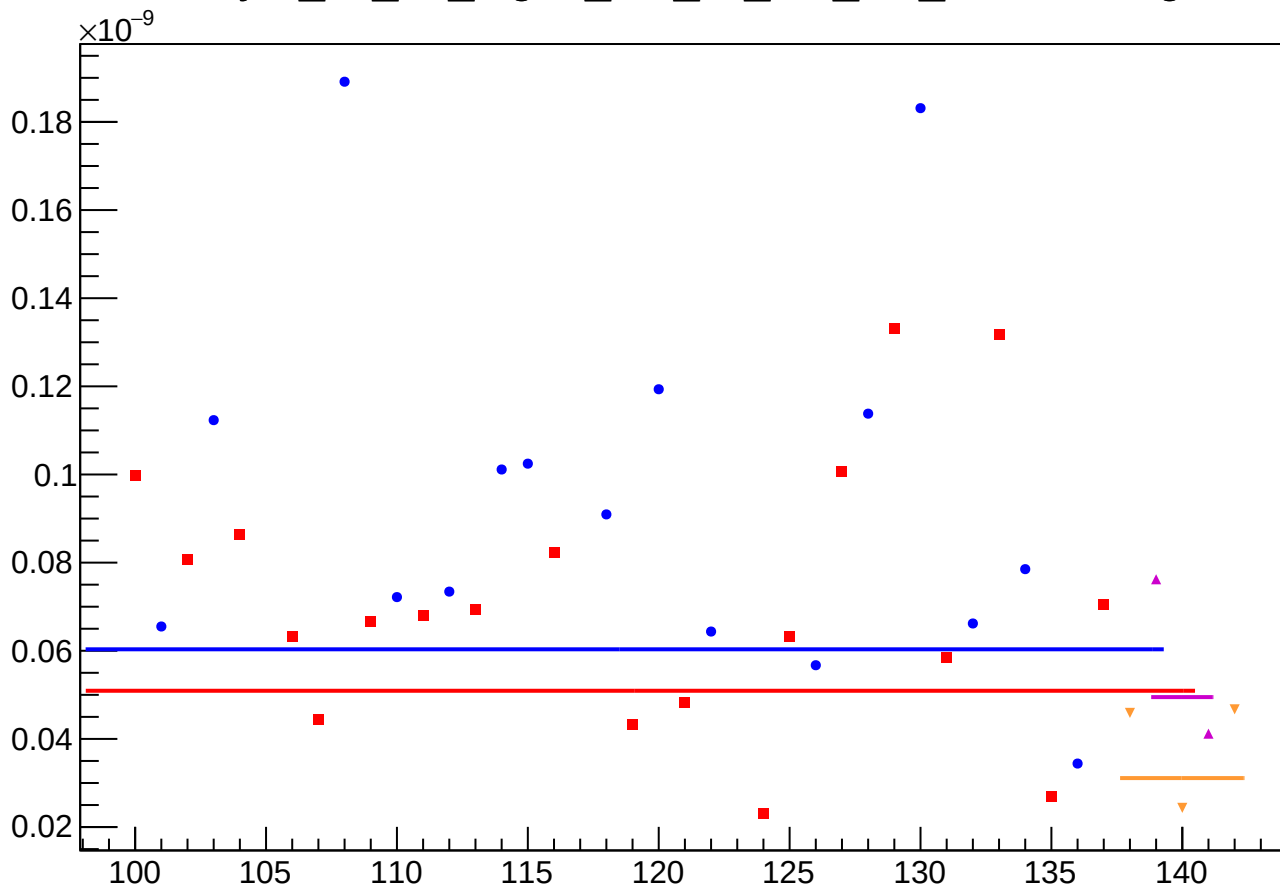
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 18.9/18

All: -0.000 ± 0.000 χ^2/NDF : 39.2/39

- sign -0.000 ± 0.000 χ^2/NDF : 20.0/20

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 236405.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1667004.7/18

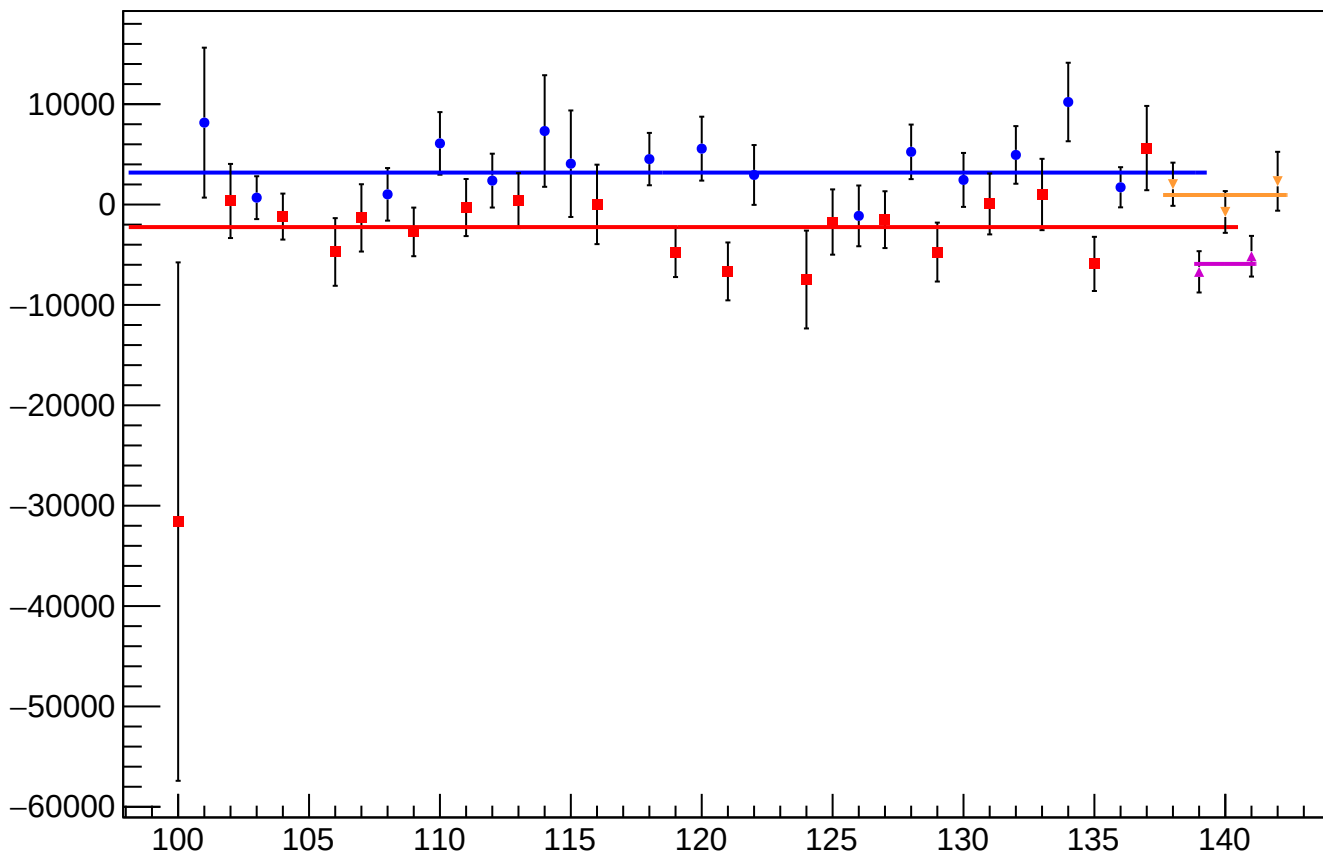
Left In: 0.000+/-0.000 χ^2/NDF : 187850.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 2894722.6/18

All: 0.000+/-0.000 χ^2/NDF : 4820680.0/39

- sign 0.000+/-0.000 χ^2/NDF : 1856188.5/20

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF : 11.7/15

Left Out: 951.089+/-1331.928 χ^2/NDF : 1.1/2

Right Out: -2246.057+/-710.912 χ^2/NDF : 16.5/18

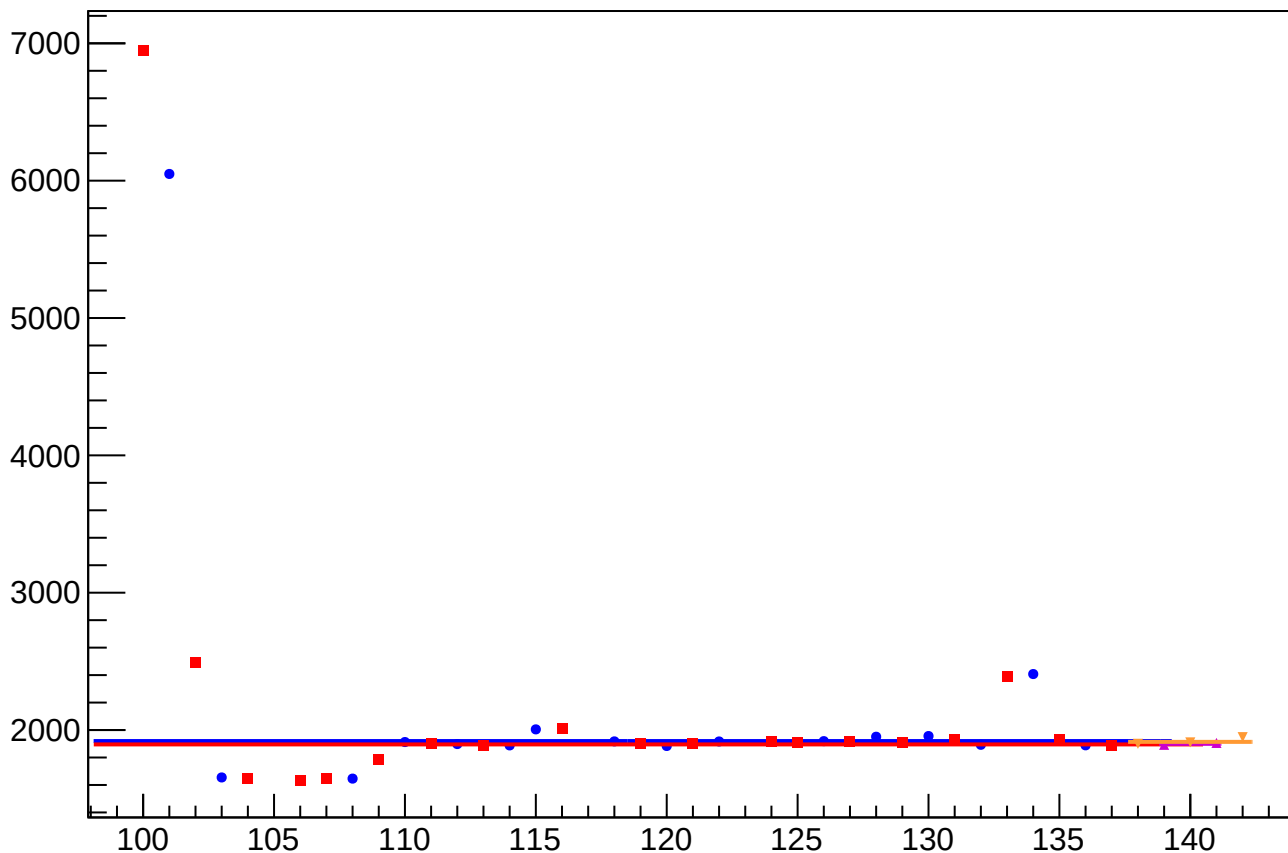
Left In: -5914.592+/-1443.519 χ^2/NDF : 0.3/1

+ sign 2666.741+/-640.920 χ^2/NDF : 15.0/18

All: -161.596+/-452.079 χ^2/NDF : 75.7/39

- sign -2962.148+/-637.764 χ^2/NDF : 22.0/20

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827 $\pm$ 0.517 χ^2 /NDF: 697331.5/15

Left Out: 1913.876 $\pm$ 0.942 χ^2 /NDF: 366.7/2

Right Out: 1895.361 $\pm$ 0.501 χ^2 /NDF: 222273.9/18

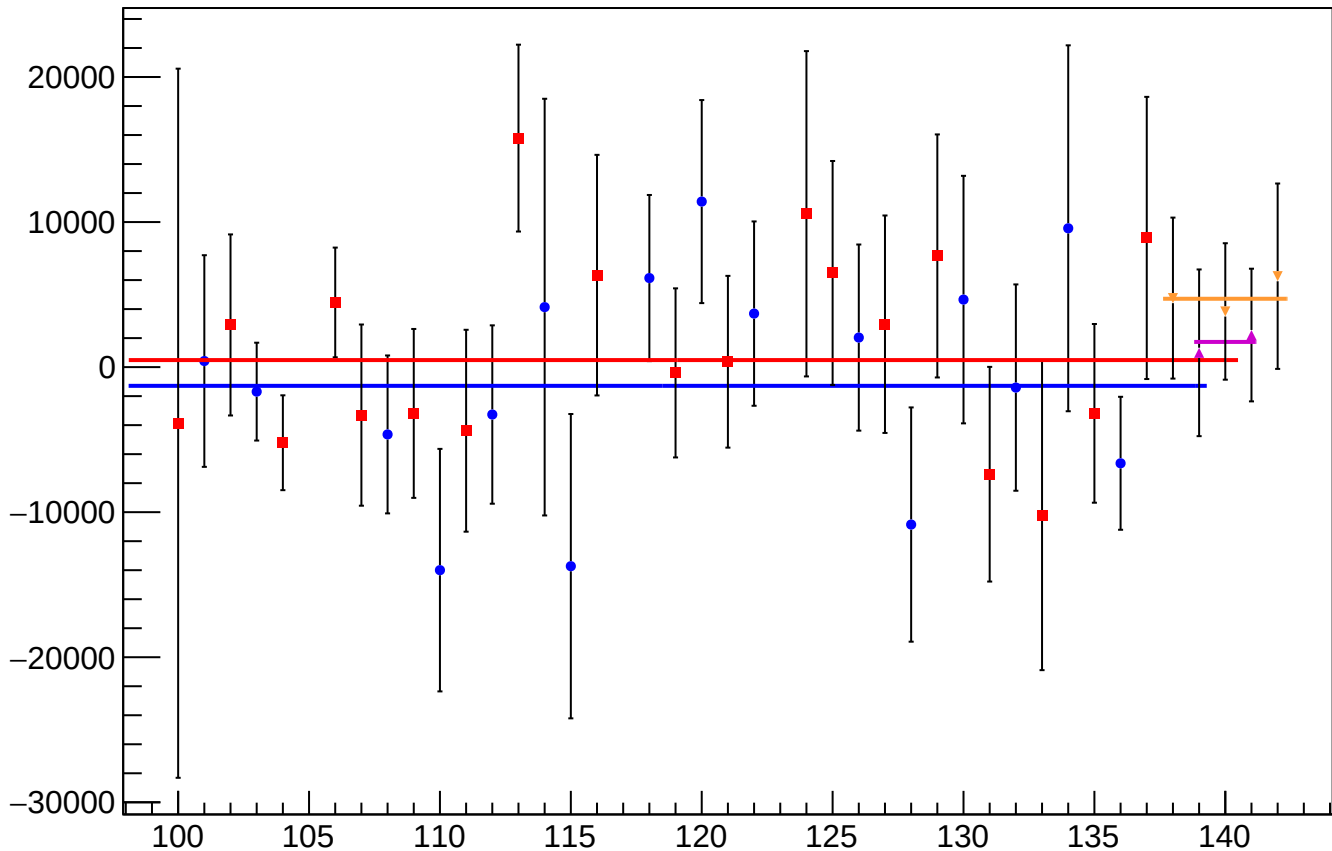
Left In: 1899.488 $\pm$ 1.021 χ^2 /NDF: 45.5/1

+ sign 1918.449 $\pm$ 0.453 χ^2 /NDF: 697728.9/18

All: 1907.220 $\pm$ 0.319 χ^2 /NDF: 921280.0/39

- sign 1896.162 $\pm$ 0.450 χ^2 /NDF: 222332.6/20

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495 $\pm$ 1585.432 χ^2/NDF : 14.3/15

Left Out: 4712.329 $\pm$ 3128.663 χ^2/NDF : 0.1/2

Right Out: 485.214 $\pm$ 1437.465 χ^2/NDF : 17.2/18

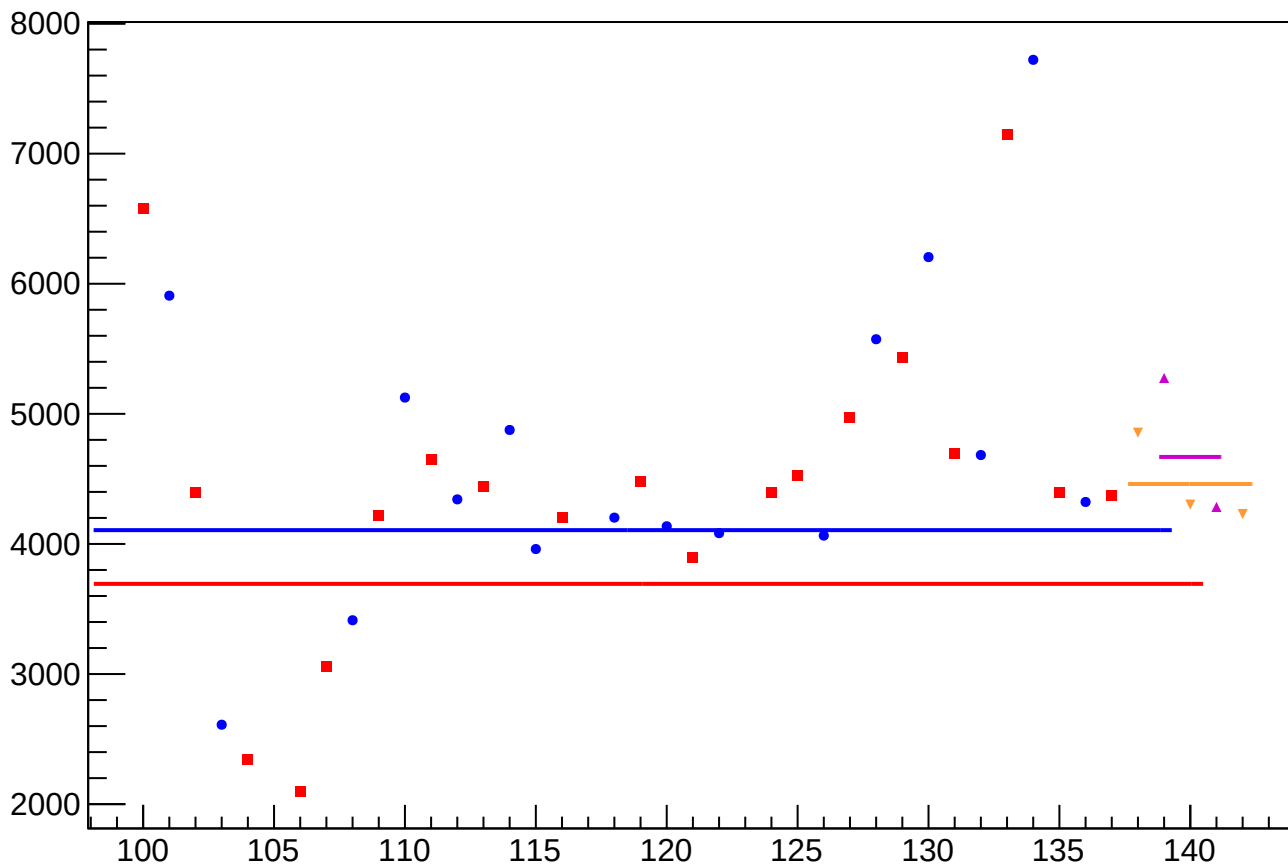
Left In: 1736.607 $\pm$ 3578.241 χ^2/NDF : 0.0/1

+ sign -63.985 $\pm$ 1414.218 χ^2/NDF : 17.3/18

All: 318.686 $\pm$ 970.346 χ^2/NDF : 34.8/39

- sign 659.104 $\pm$ 1333.858 χ^2/NDF : 17.4/20

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF : 956130.4/15

Left Out: 4460.788+/-2.212 χ^2/NDF : 14969.8/2

Right Out: 3693.266+/-1.016 χ^2/NDF : 1356643.3/18

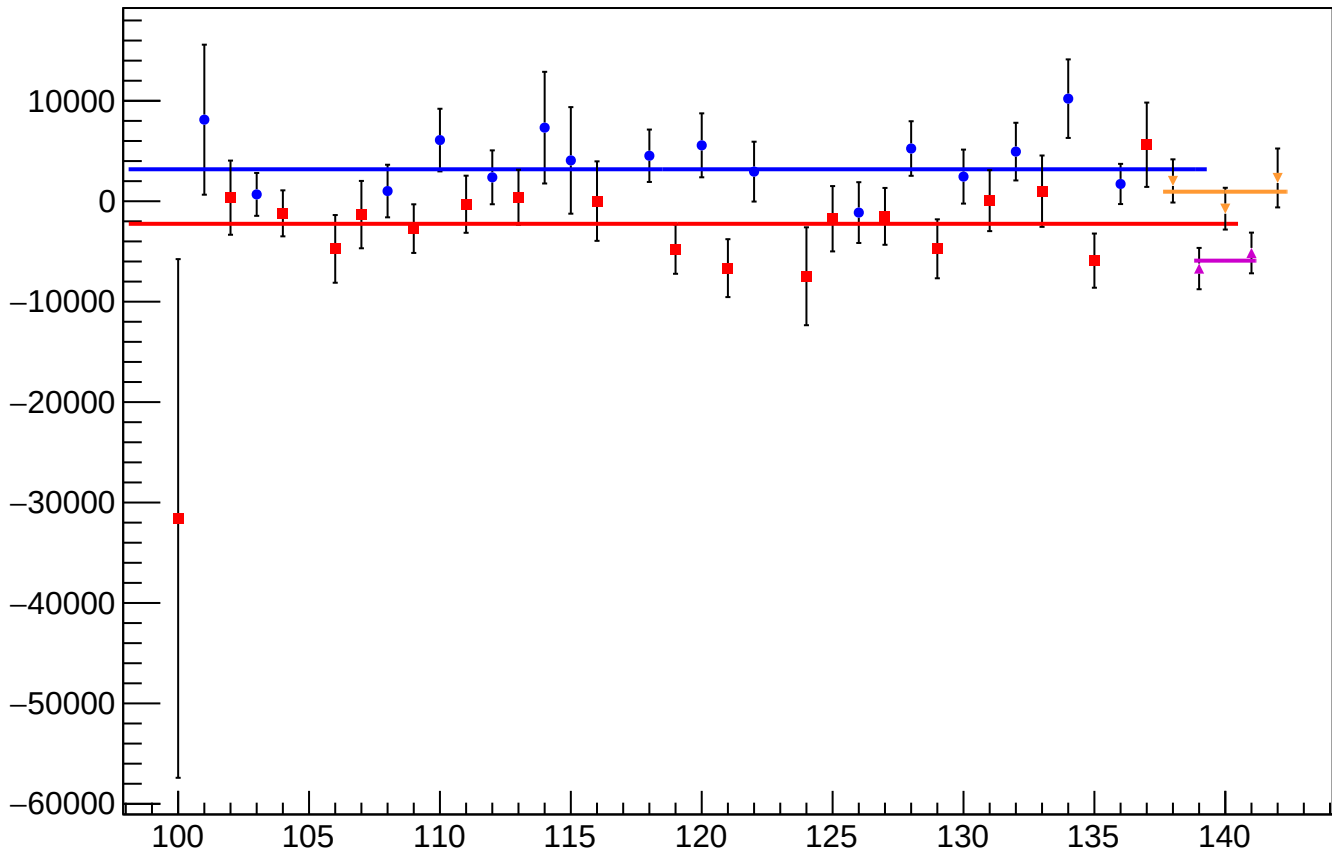
Left In: 4668.775+/-2.530 χ^2/NDF : 36443.9/1

+ sign 4178.604+/-1.000 χ^2/NDF : 991547.8/18

All: 3993.492+/-0.686 χ^2/NDF : 2577374.2/39

- sign 3828.820+/-0.943 χ^2/NDF : 1521077.8/20

cor_asym_atr_avg_mean vs Slug



Right In: 3182.973 $\pm$ 731.133 χ^2 /NDF: 11.7/15

Left Out: 950.931 $\pm$ 1331.928 χ^2 /NDF:1.1/2

Right Out: -2247.193 $\pm$ 710.916 χ^2 /NDF: 16.5/18

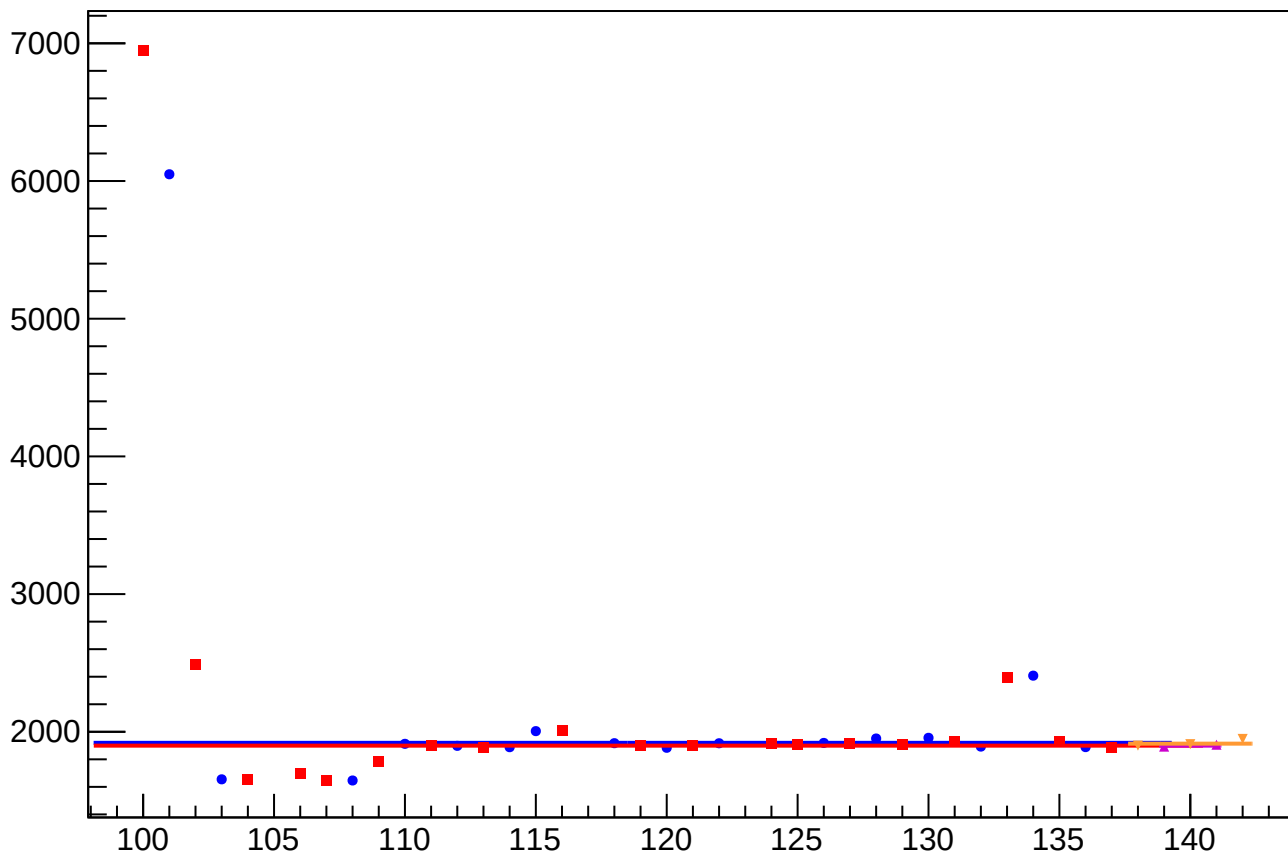
Left In: -5914.957 $\pm$ 1443.519 χ^2 /NDF:0.3/1

+ sign 2666.142 $\pm$ 640.920 χ^2 /NDF: 15.0/18

All: -162.380 $\pm$ 452.080 χ^2 /NDF: 75.7/39

- sign -2963.140 $\pm$ 637.767 χ^2 /NDF: 22.0/20

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF : 697330.6/15

Left Out: 1913.876+/-0.942 χ^2/NDF : 366.7/2

Right Out: 1899.364+/-0.502 χ^2/NDF : 215654.1/18

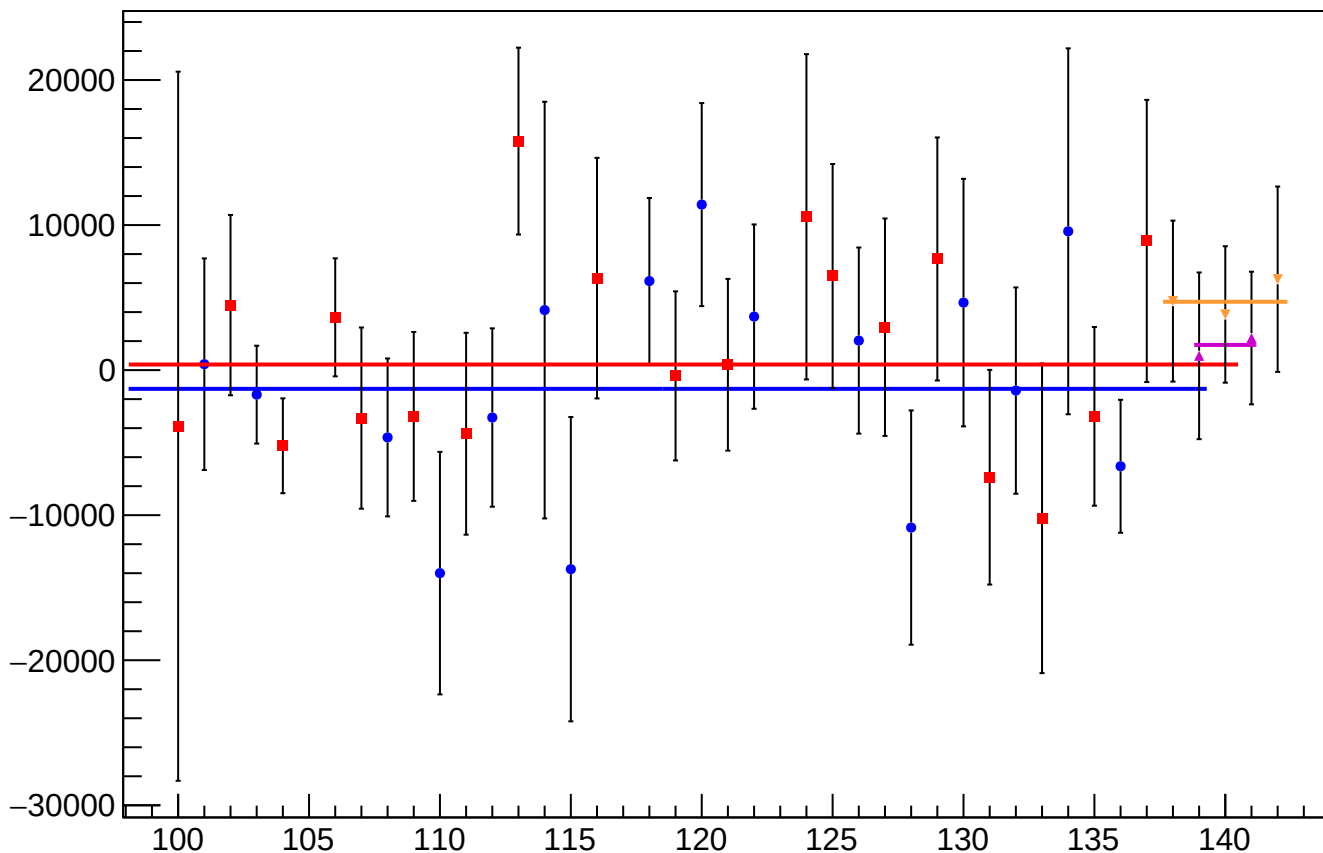
Left In: 1899.488+/-1.021 χ^2/NDF : 45.5/1

+ sign 1918.449+/-0.453 χ^2/NDF : 697728.0/18

All: 1908.859+/-0.319 χ^2/NDF : 914317.6/39

- sign 1899.388+/-0.450 χ^2/NDF : 215699.6/20

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862 $\pm$ 1585.435 χ^2 /NDF: 14.3/15

Left Out: 4712.041 $\pm$ 3128.646 χ^2 /NDF: 0.1/2

Right Out: 387.626 $\pm$ 1451.530 χ^2 /NDF: 17.0/18

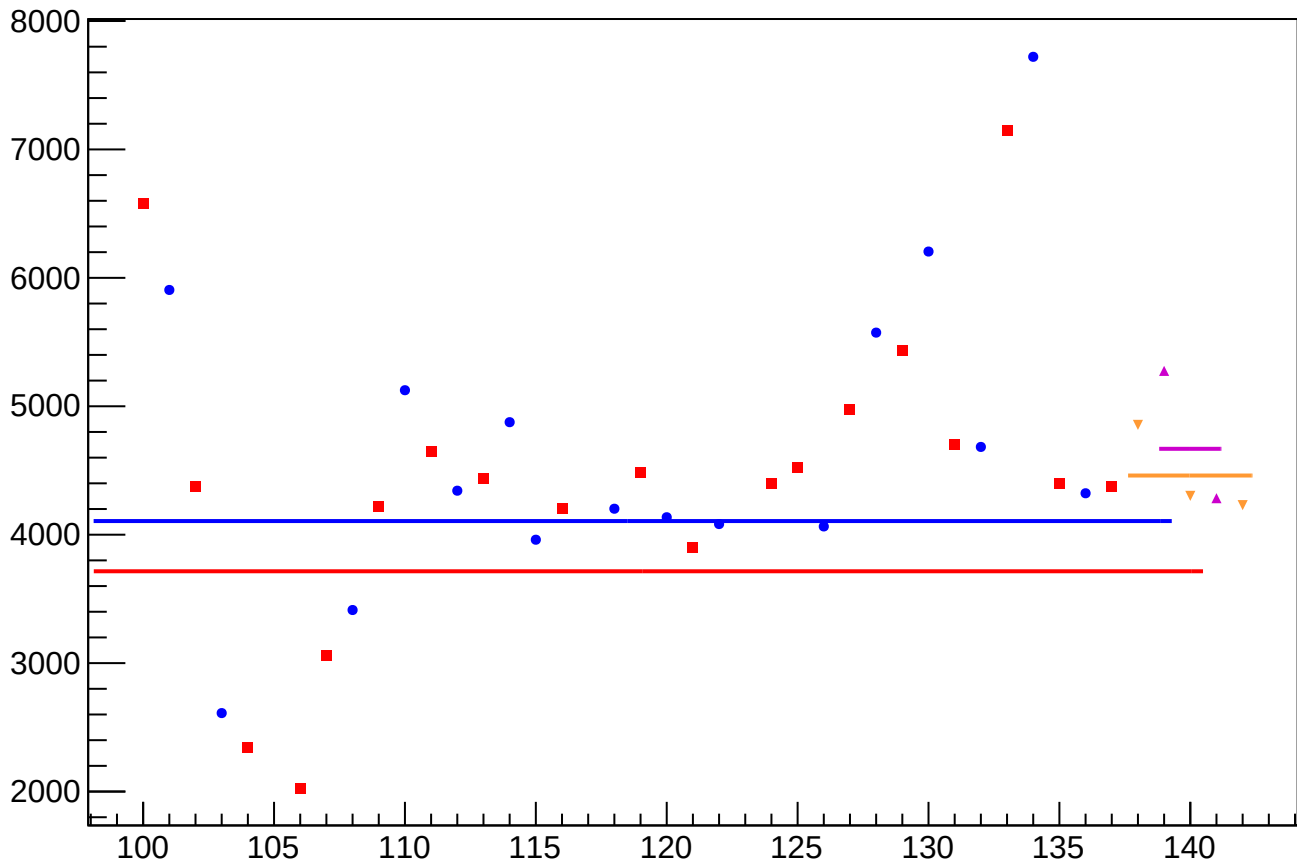
Left In: 1736.830 $\pm$ 3578.243 χ^2 /NDF: 0.0/1

+ sign -64.323 $\pm$ 1414.218 χ^2 /NDF: 17.3/18

All: 273.068 $\pm$ 974.638 χ^2 /NDF: 34.5/39

- sign 578.273 $\pm$ 1345.073 χ^2 /NDF: 17.2/20

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234 +/- 1.121 χ^2/NDF : 955631.2/15

Left Out: 4460.762 +/- 2.212 χ^2/NDF : 14970.8/2

Right Out: 3715.202 +/- 1.026 χ^2/NDF : 1335100.7/18

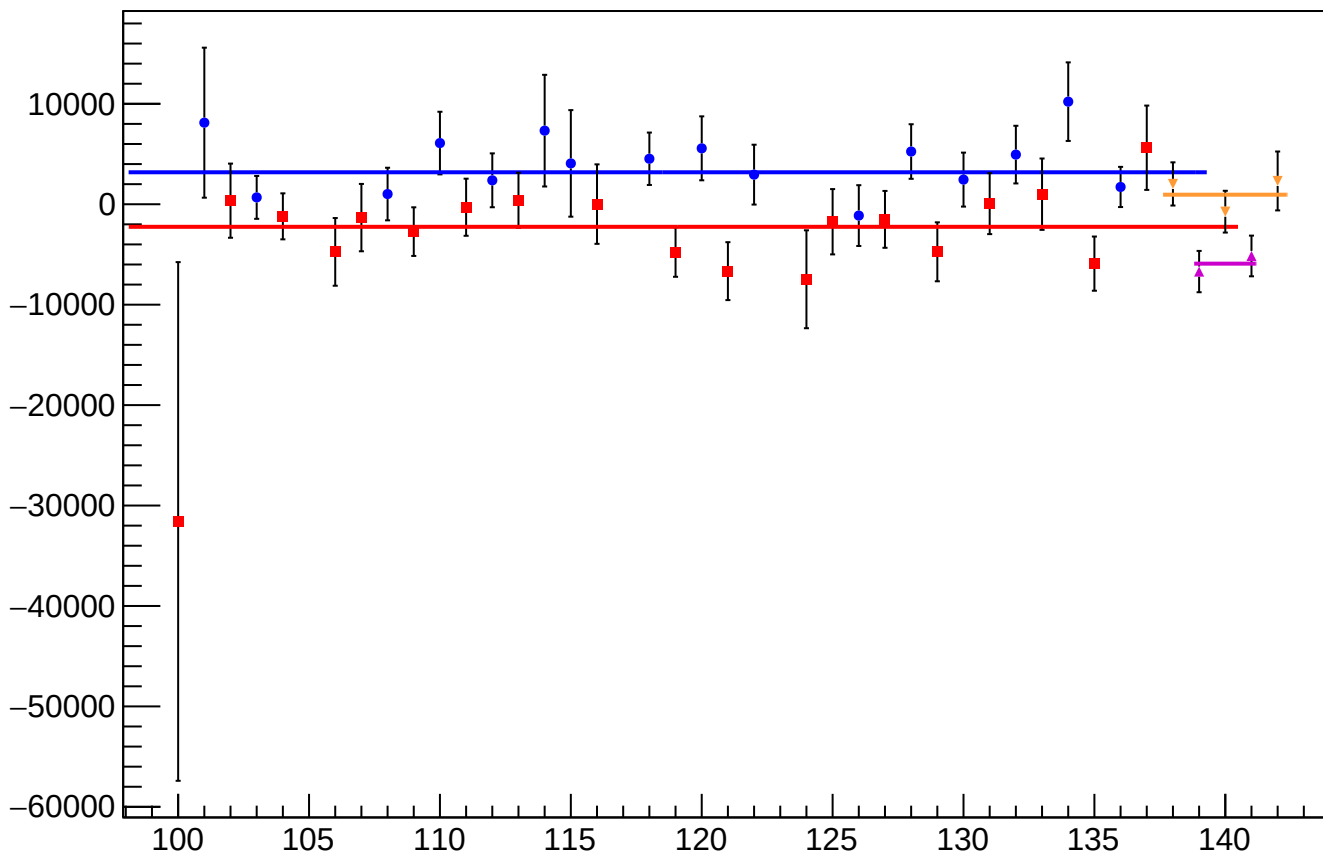
Left In: 4668.777 +/- 2.530 χ^2/NDF : 36445.4/1

+ sign 4178.673 +/- 1.000 χ^2/NDF : 991036.0/18

All: 4006.077 +/- 0.689 χ^2/NDF : 2541284.8/39

- sign 3849.946 +/- 0.951 χ^2/NDF : 1493512.2/20

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973 ± 731.133 χ^2/NDF : 11.7/15

Left Out: 950.931 ± 1331.928 χ^2/NDF : 1.1/2

Right Out: -2247.193 ± 710.916 χ^2/NDF : 16.5/18

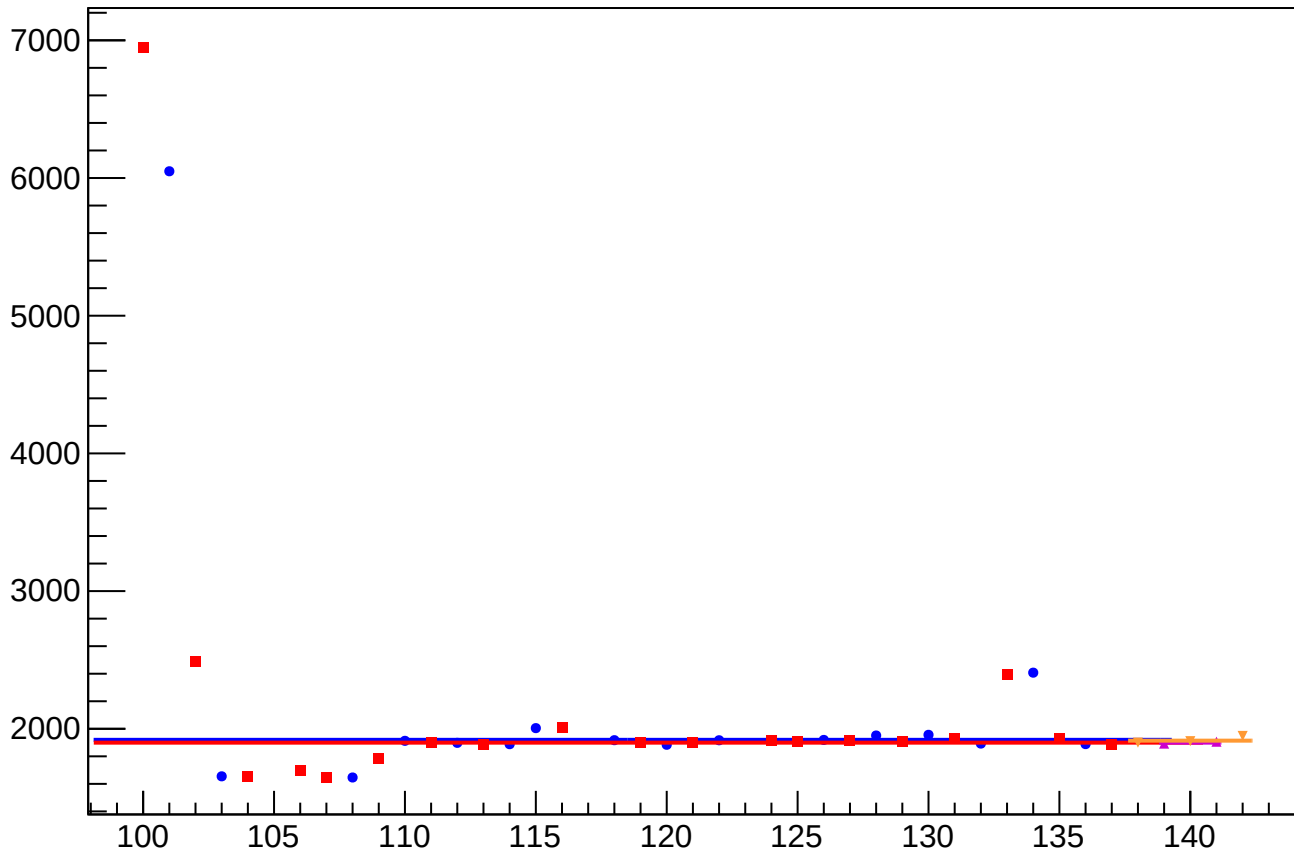
Left In: -5914.957 ± 1443.519 χ^2/NDF : 0.3/1

+ sign 2666.142 ± 640.920 χ^2/NDF : 15.0/18

All: -162.380 ± 452.080 χ^2/NDF : 75.7/39

- sign -2963.140 ± 637.767 χ^2/NDF : 22.0/20

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF : 697330.6/15

Left Out: 1913.876+/-0.942 χ^2/NDF : 366.7/2

Right Out: 1899.364+/-0.502 χ^2/NDF : 215654.1/18

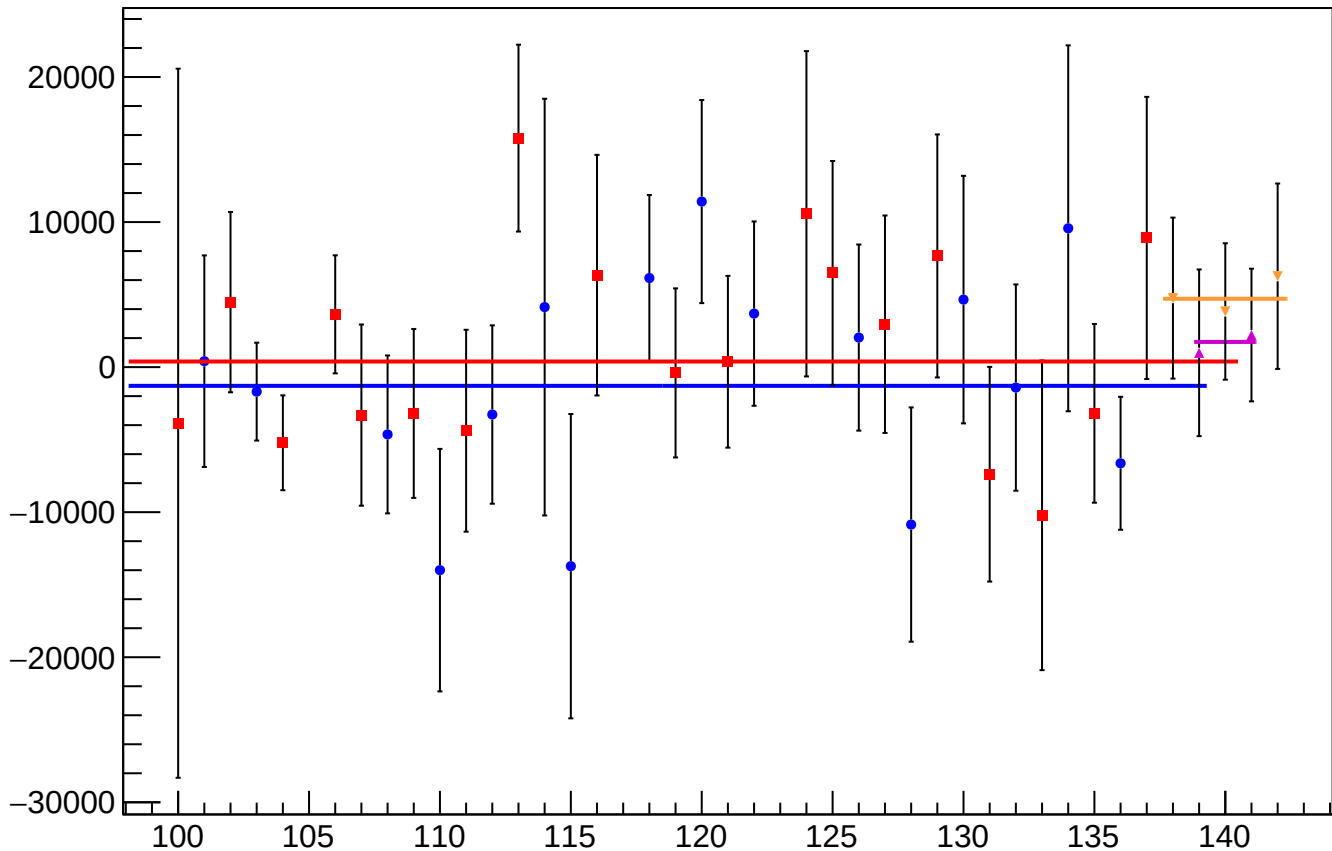
Left In: 1899.488+/-1.021 χ^2/NDF : 45.5/1

+ sign 1918.449+/-0.453 χ^2/NDF : 697728.0/18

All: 1908.859+/-0.319 χ^2/NDF : 914317.6/39

- sign 1899.388+/-0.450 χ^2/NDF : 215699.6/20

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -1290.862 $\pm$ 1585.435 χ^2 /NDF: 14.3/15

Left Out: 4712.041 $\pm$ 3128.646 χ^2 /NDF: 0.1/2

Right Out: 387.626 $\pm$ 1451.530 χ^2 /NDF: 17.0/18

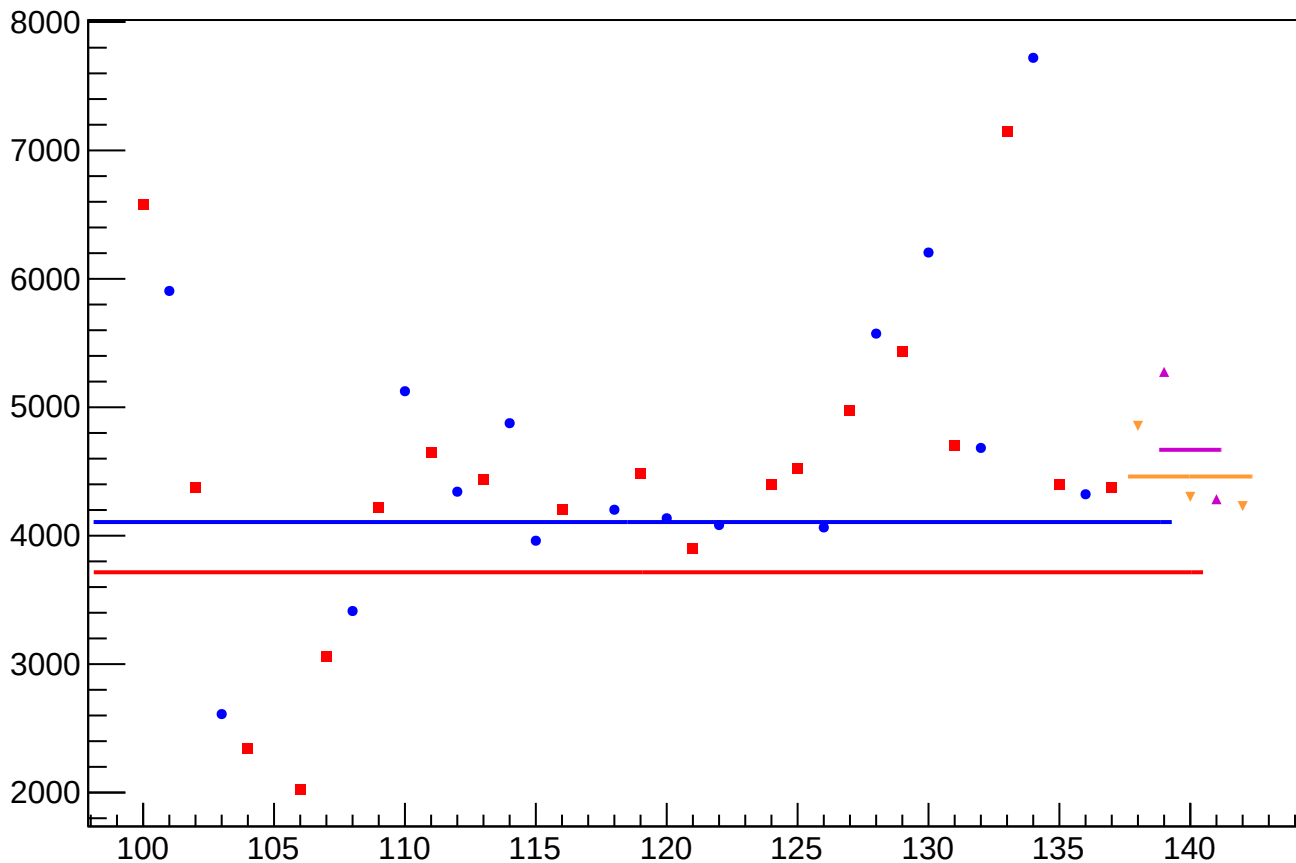
Left In: 1736.830 $\pm$ 3578.243 χ^2 /NDF: 0.0/1

+ sign -64.323 $\pm$ 1414.218 χ^2 /NDF: 17.3/18

All: 273.068 $\pm$ 974.638 χ^2 /NDF: 34.5/39

- sign 578.273 $\pm$ 1345.073 χ^2 /NDF: 17.2/20

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF : 955631.2/15

Left Out: 4460.762+/-2.212 χ^2/NDF : 14970.8/2

+ sign 4178.673+/-1.000 χ^2/NDF : 991036.0/18

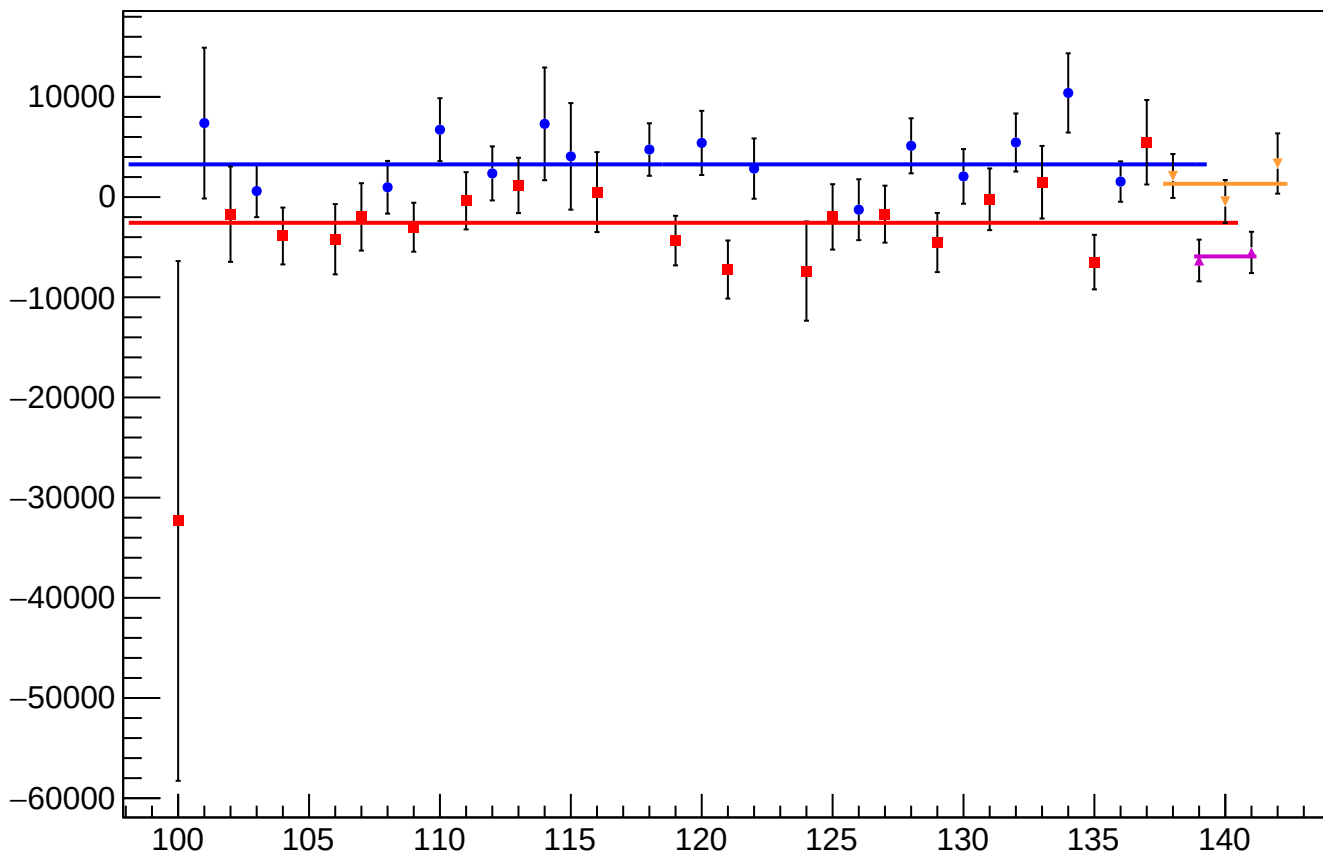
Right Out: 3715.202+/-1.026 χ^2/NDF : 1335100.7/18

All: 4006.077+/-0.689 χ^2/NDF : 2541284.8/39

- sign 3849.946+/-0.951 χ^2/NDF : 1493512.2/20

Left In: 4668.777+/-2.530 χ^2/NDF : 36445.4/1

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639 ± 750.865 $\chi^2/\text{NDF}: 12.2/15$

Left Out: 1327.415 ± 1364.482 $\chi^2/\text{NDF}: 1.3/2$

Right Out: -2566.683 ± 734.876 $\chi^2/\text{NDF}: 17.0/18$

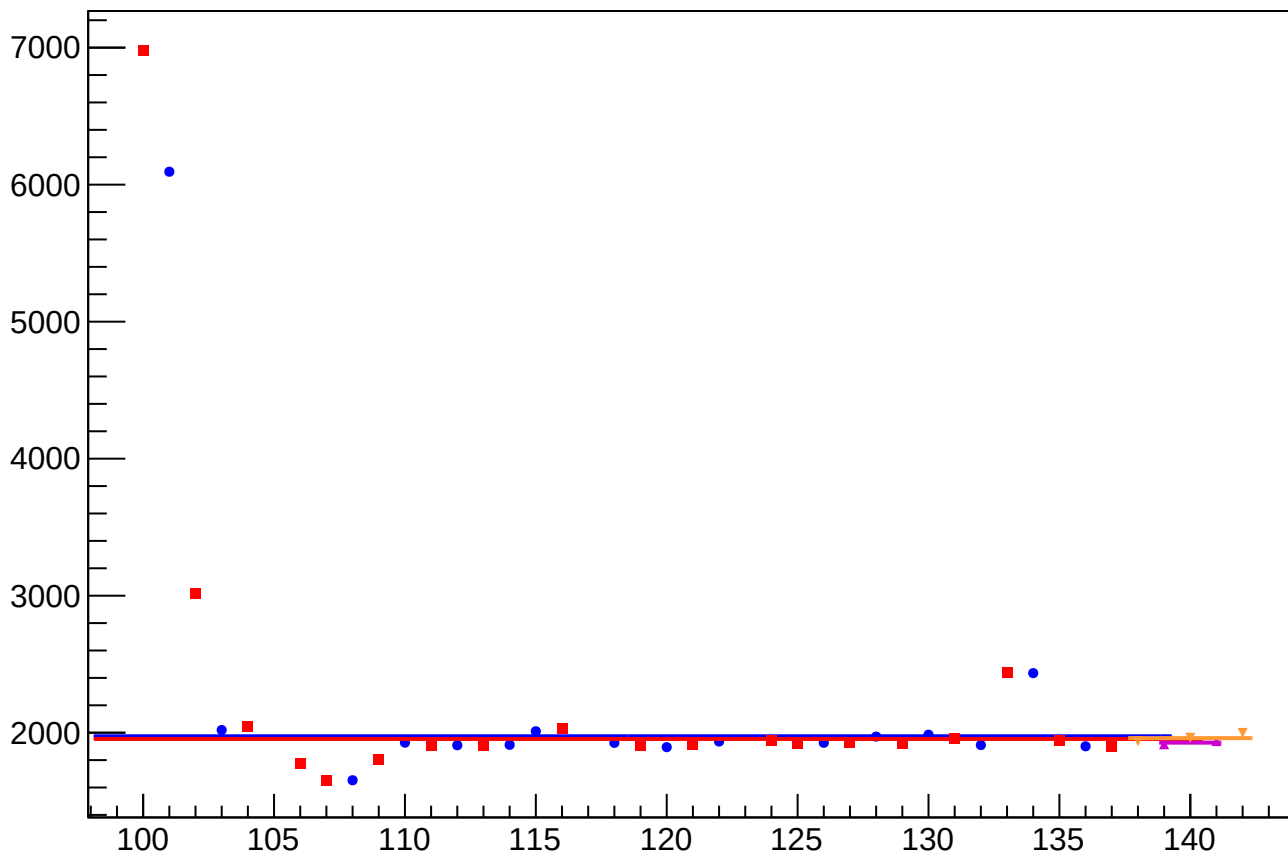
Left In: -5921.866 ± 1464.912 $\chi^2/\text{NDF}: 0.1/1$

+ sign 2814.359 ± 657.838 $\chi^2/\text{NDF}: 15.0/18$

All: -217.970 ± 464.815 $\chi^2/\text{NDF}: 78.7/39$

- sign -3241.268 ± 656.858 $\chi^2/\text{NDF}: 21.3/20$

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748 $\pm$ 0.531 χ^2 /NDF: 665124.2/15

Left Out: 1960.500 $\pm$ 0.965 χ^2 /NDF: 510.6/2

Right Out: 1954.339 $\pm$ 0.519 χ^2 /NDF: 246211.3/18

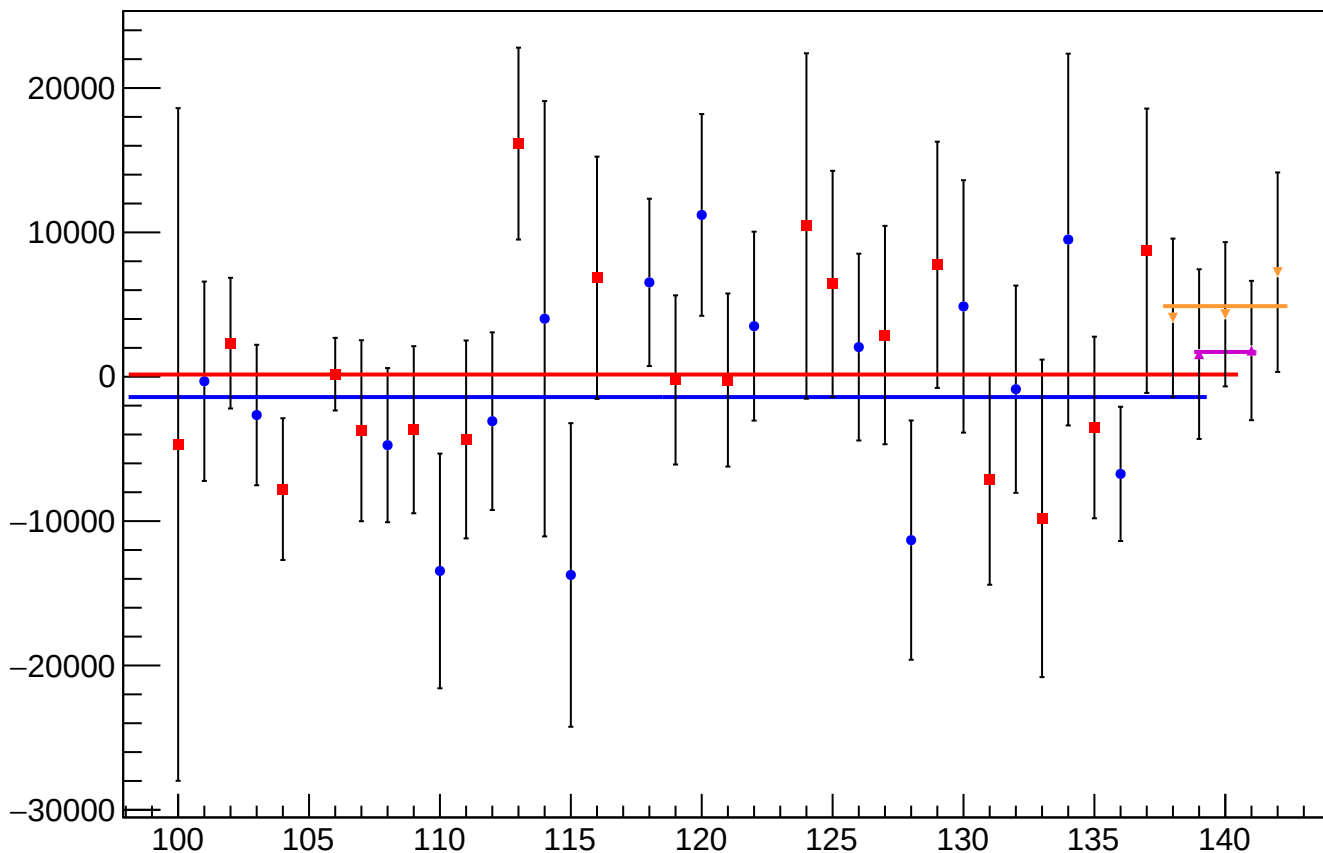
Left In: 1927.537 $\pm$ 1.036 χ^2 /NDF: 126.1/1

+ sign 1970.669 $\pm$ 0.465 χ^2 /NDF: 665779.6/18

All: 1959.789 $\pm$ 0.329 χ^2 /NDF: 913743.8/39

- sign 1948.958 $\pm$ 0.464 χ^2 /NDF: 246872.5/20

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382+/-1689.989 χ^2/NDF : 14.2/15

Left Out: 4891.272+/-3257.005 χ^2/NDF : 0.1/2

Right Out: 155.271+/-1363.642 χ^2/NDF : 15.8/18

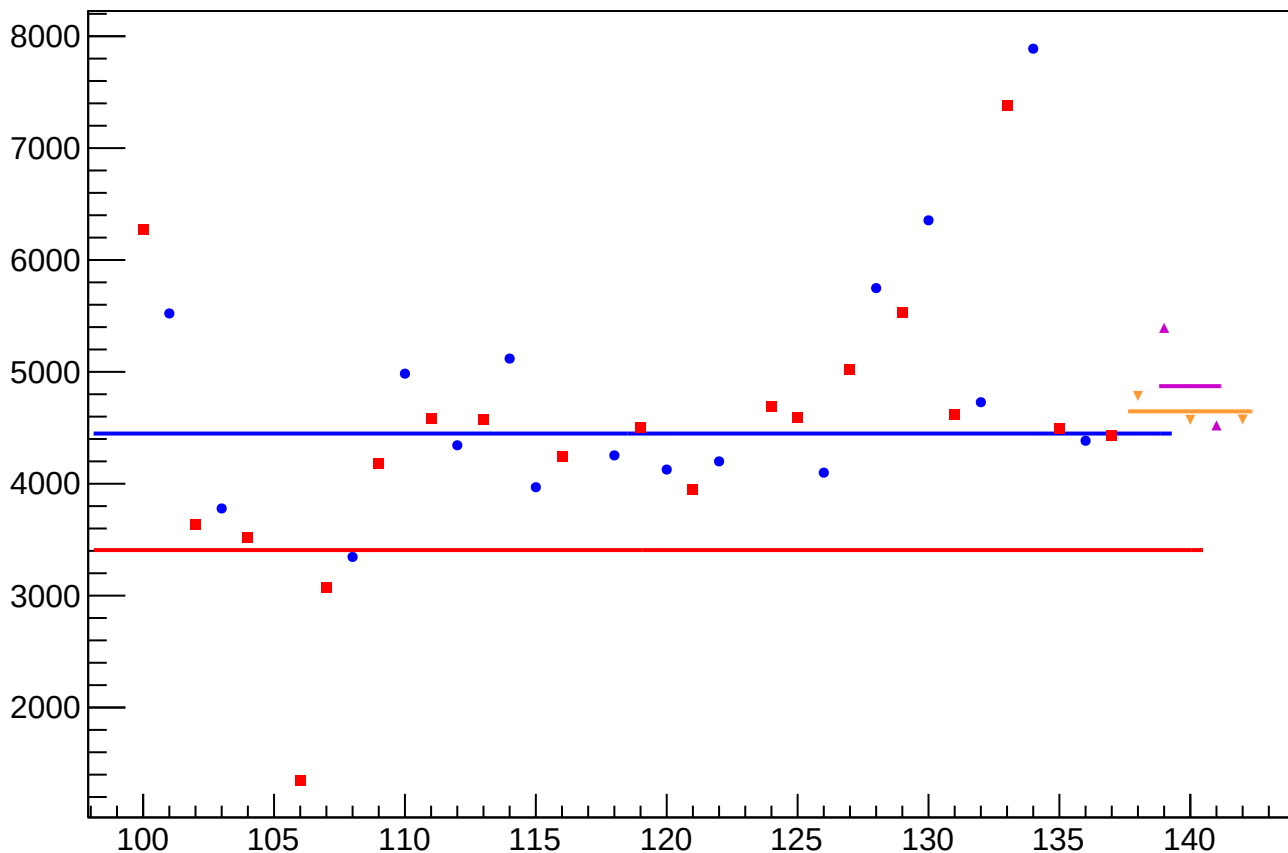
Left In: 1717.450+/-3729.023 χ^2/NDF : 0.0/1

+ sign -71.289+/-1500.075 χ^2/NDF : 17.3/18

All: 166.331+/-974.006 χ^2/NDF : 33.3/39

- sign 339.533+/-1280.698 χ^2/NDF : 16.0/20

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF : 494613.5/15

Left Out: 4647.336+/-2.303 χ^2/NDF :1948.3/2

Right Out: 3407.128+/-0.964 χ^2/NDF : 2326060.4/18

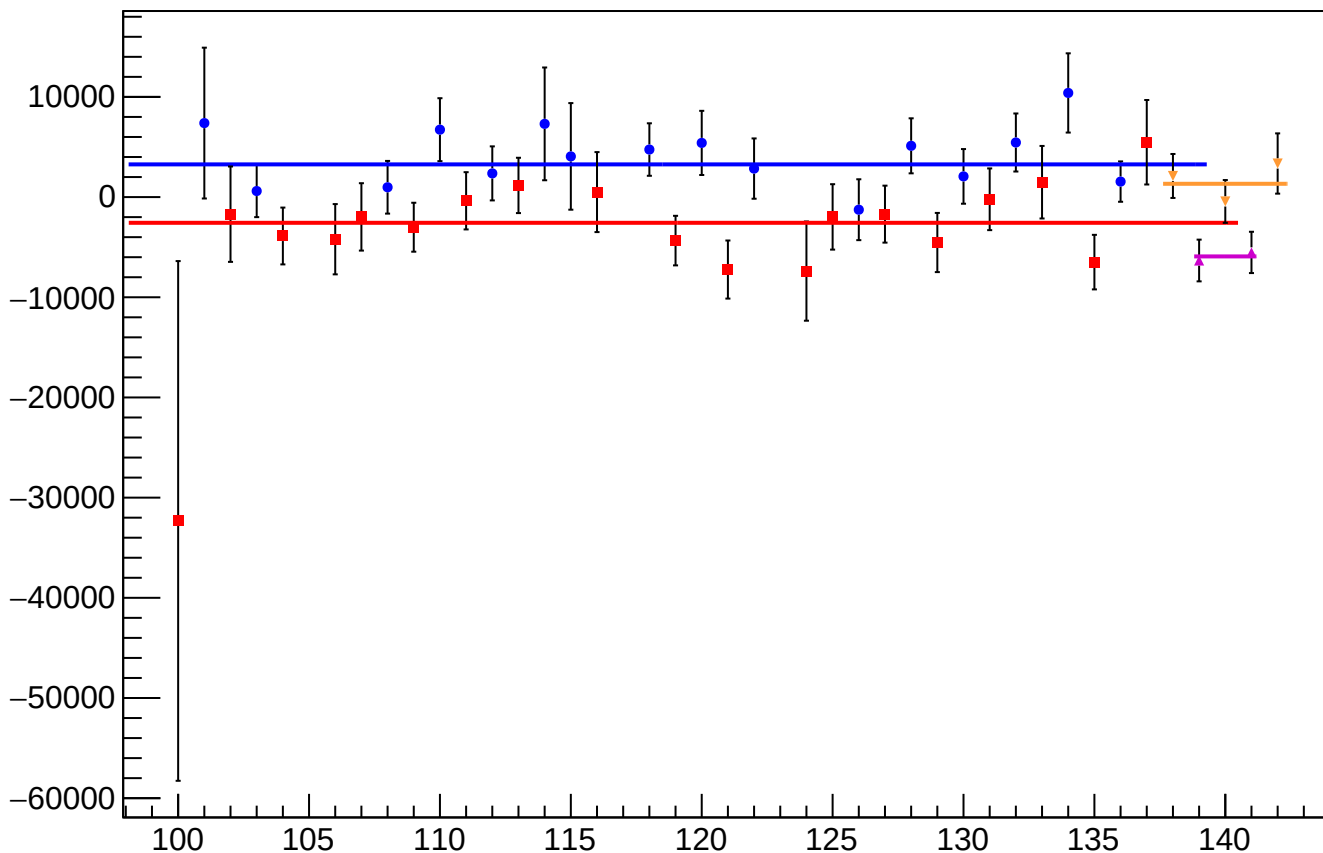
Left In: 4872.373+/-2.637 χ^2/NDF :26284.5/1

+ sign 4490.844+/-1.061 χ^2/NDF : 502422.1/18

All: 3963.984+/-0.689 χ^2/NDF : 3553678.0/35

- sign 3579.955+/-0.906 χ^2/NDF : 2624710.8/20

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644 ± 750.865 $\chi^2/\text{NDF}: 12.2/15$

Left Out: 1327.424 ± 1364.482 $\chi^2/\text{NDF}: 1.3/2$

Right Out: -2566.689 ± 734.875 $\chi^2/\text{NDF}: 17.0/18$

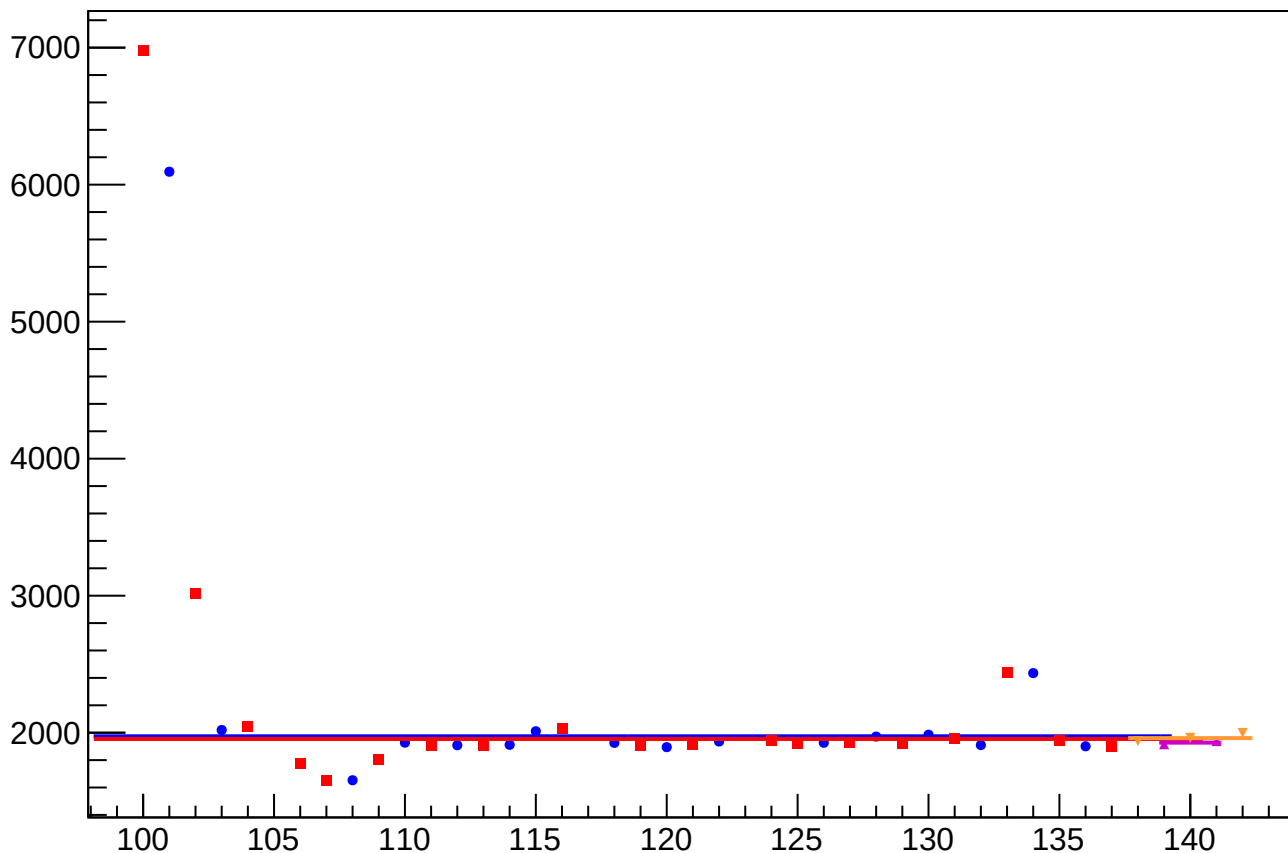
Left In: -5921.844 ± 1464.912 $\chi^2/\text{NDF}: 0.1/1$

+ sign 2814.365 ± 657.838 $\chi^2/\text{NDF}: 15.0/18$

All: -217.967 ± 464.815 $\chi^2/\text{NDF}: 78.7/39$

- sign -3241.268 ± 656.858 $\chi^2/\text{NDF}: 21.3/20$

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2 /NDF: 665124.2/15

Left Out: 1960.500+/-0.965 χ^2 /NDF: 510.6/2

Right Out: 1954.339+/-0.519 χ^2 /NDF: 246210.8/18

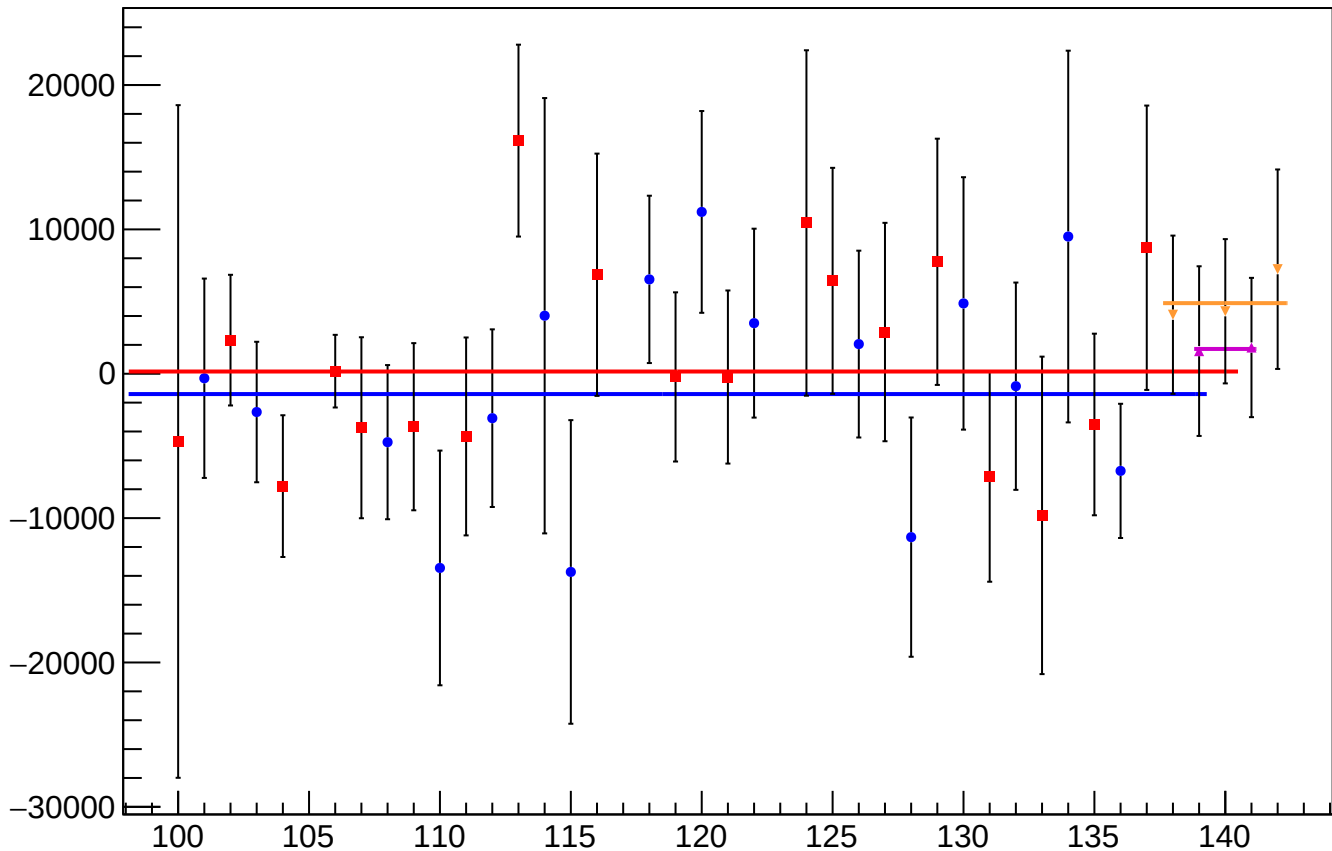
Left In: 1927.537+/-1.036 χ^2 /NDF: 126.1/1

+ sign 1970.668+/-0.465 χ^2 /NDF: 665779.6/18

All: 1959.789+/-0.329 χ^2 /NDF: 913743.2/39

- sign 1948.958+/-0.464 χ^2 /NDF: 246872.0/20

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -1407.363+/-1689.986 χ^2/NDF : 14.2/15

Left Out: 4891.283+/-3257.006 χ^2/NDF : 0.1/2

Right Out: 155.272+/-1363.639 χ^2/NDF : 15.8/18

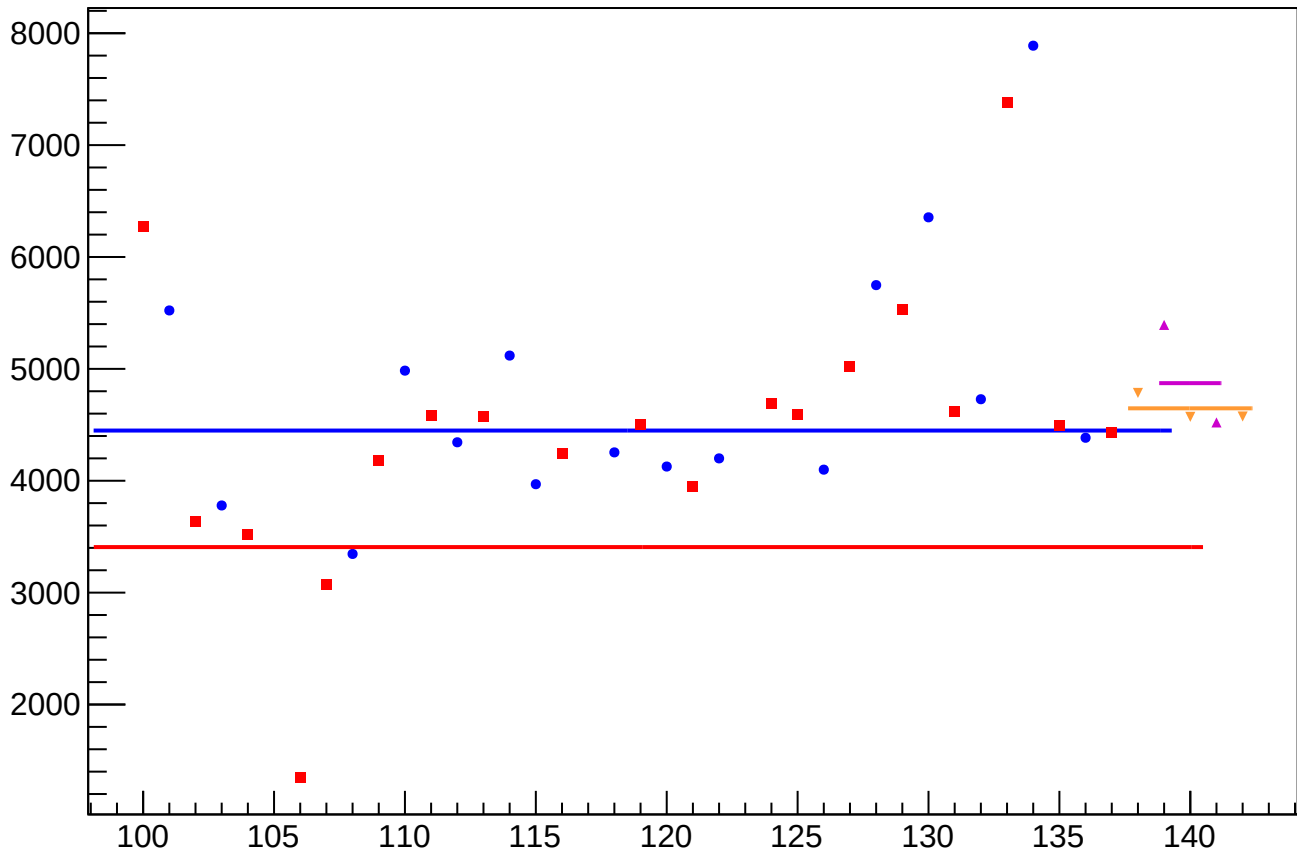
Left In: 1717.471+/-3729.026 χ^2/NDF : 0.0/1

+ sign -71.276+/-1500.073 χ^2/NDF : 17.3/18

All: 166.338+/-974.005 χ^2/NDF : 33.3/39

- sign 339.535+/-1280.696 χ^2/NDF : 16.0/20

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF : 494610.6/15

Left Out: 4647.339+/-2.303 χ^2/NDF : 1948.3/2

Right Out: 3407.120+/-0.964 χ^2/NDF : 2326064.2/18

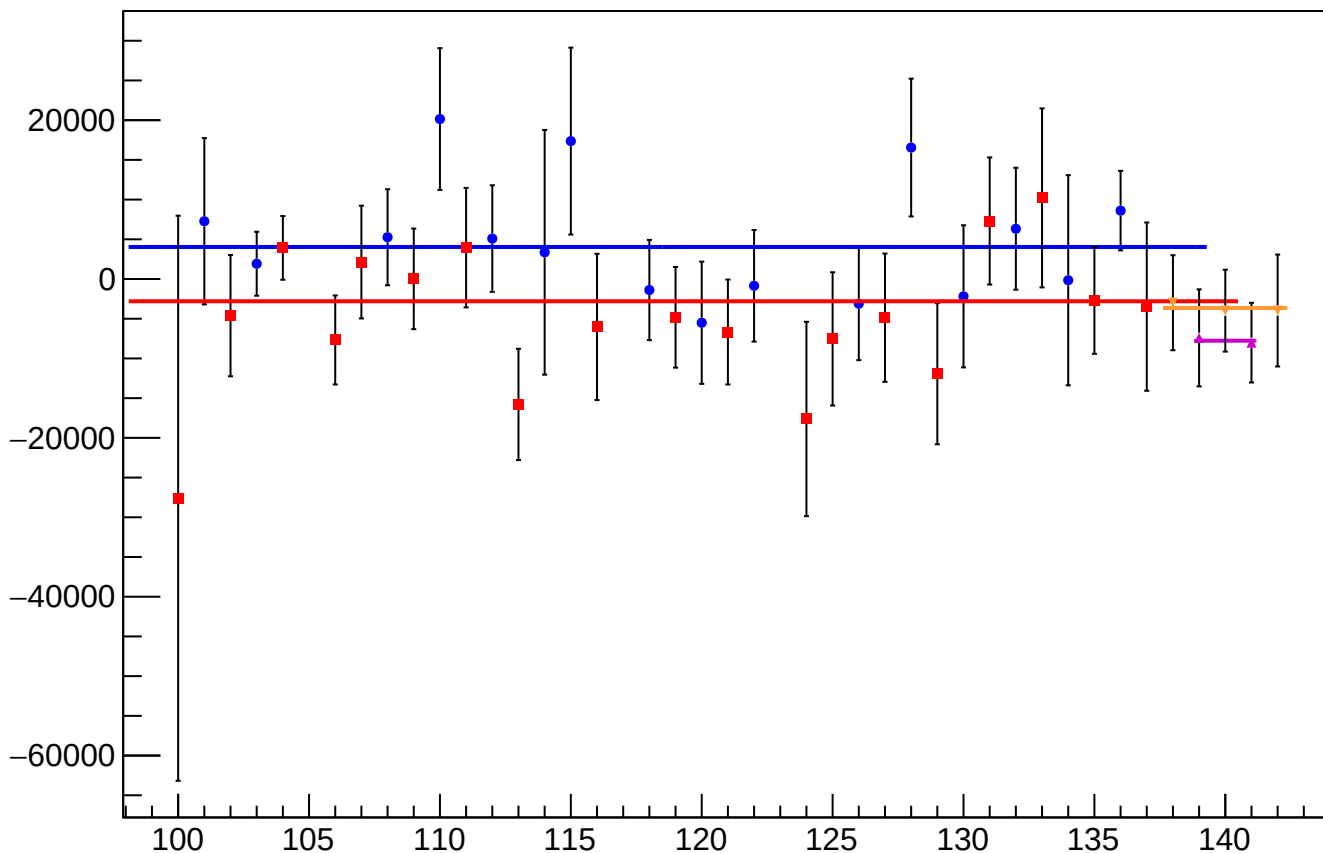
Left In: 4872.376+/-2.637 χ^2/NDF : 26285.0/1

+ sign 4490.839+/-1.061 χ^2/NDF : 502419.8/18

All: 3963.977+/-0.689 χ^2/NDF : 3553687.6/39

- sign 3579.948+/-0.906 χ^2/NDF : 2624719.2/20

asym_atr_avg_mean vs Slug



Right In: 4034.572 $\pm$ 1782.030 χ^2 /NDF: 12.3/15

Left Out: -3654.593 $\pm$ 3414.577 χ^2 /NDF: 0.0/2

Right Out: -2800.547 $\pm$ 1671.877 χ^2 /NDF: 15.4/18

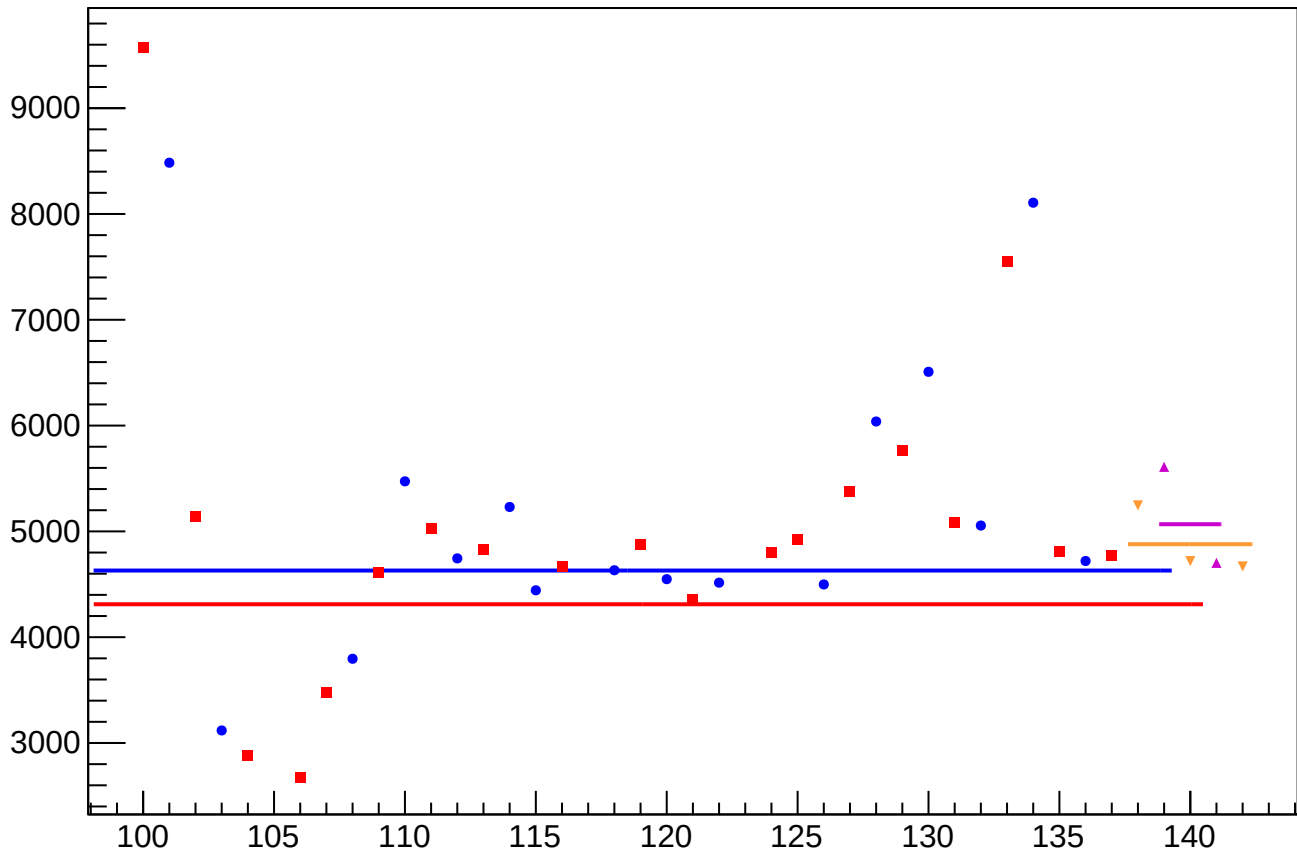
Left In: -7767.364 $\pm$ 3875.090 χ^2 /NDF: 0.0/1

+ sign 2388.599 $\pm$ 1579.824 χ^2 /NDF: 16.3/18

All: -681.381 $\pm$ 1100.950 χ^2 /NDF: 40.5/39

- sign -3579.994 $\pm$ 1535.097 χ^2 /NDF: 16.8/20

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF : 900246.3/15

Left Out: 4878.785+/-2.414 χ^2/NDF : 11227.5/2

Right Out: 4311.218+/-1.172 χ^2/NDF : 904737.2/18

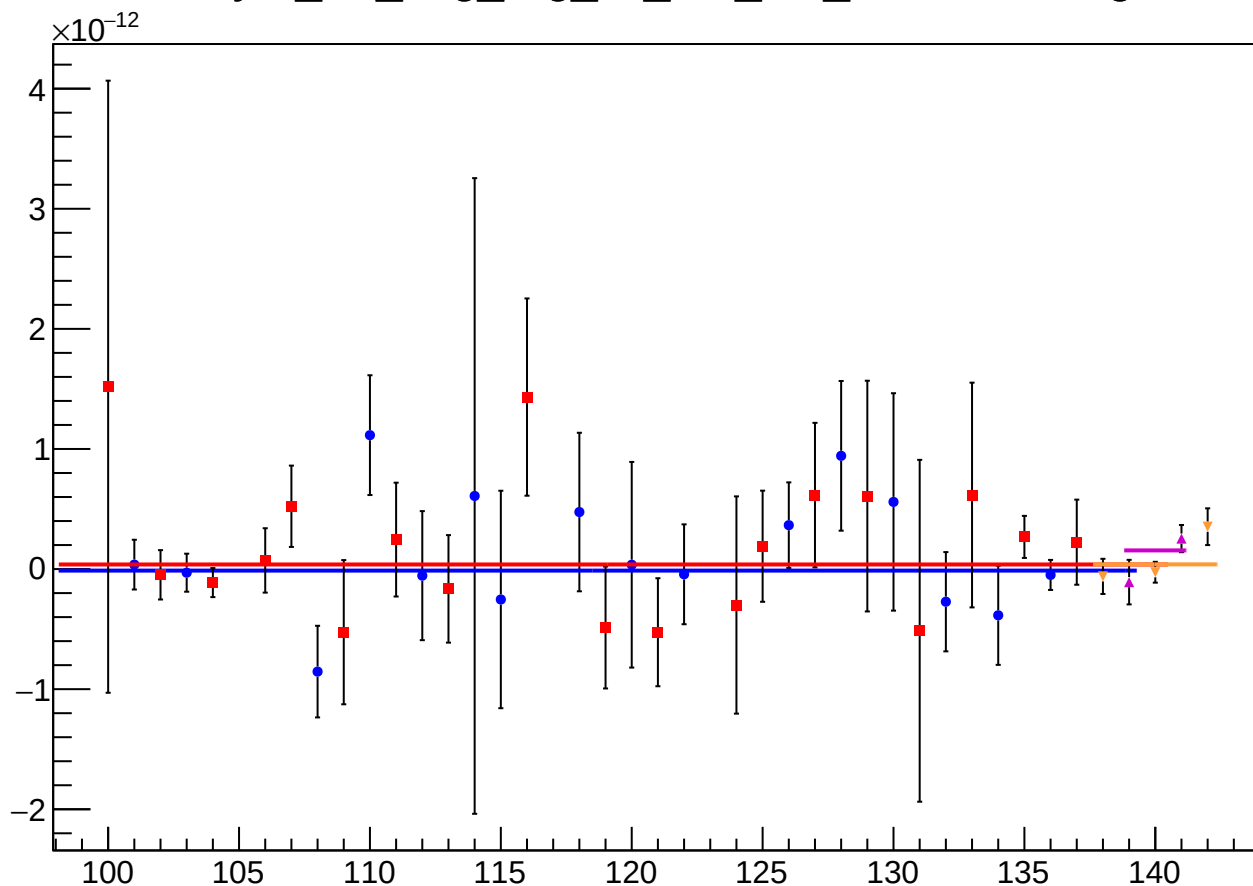
Left In: 5067.791+/-2.740 χ^2/NDF : 26370.0/1

+ sign 4683.230+/-1.117 χ^2/NDF : 919820.3/18

All: 4551.129+/-0.776 χ^2/NDF : 1942369.9/39

- sign 4428.219+/-1.078 χ^2/NDF : 995554.8/20

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 15.9/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 5.2/2$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 15.0/18$

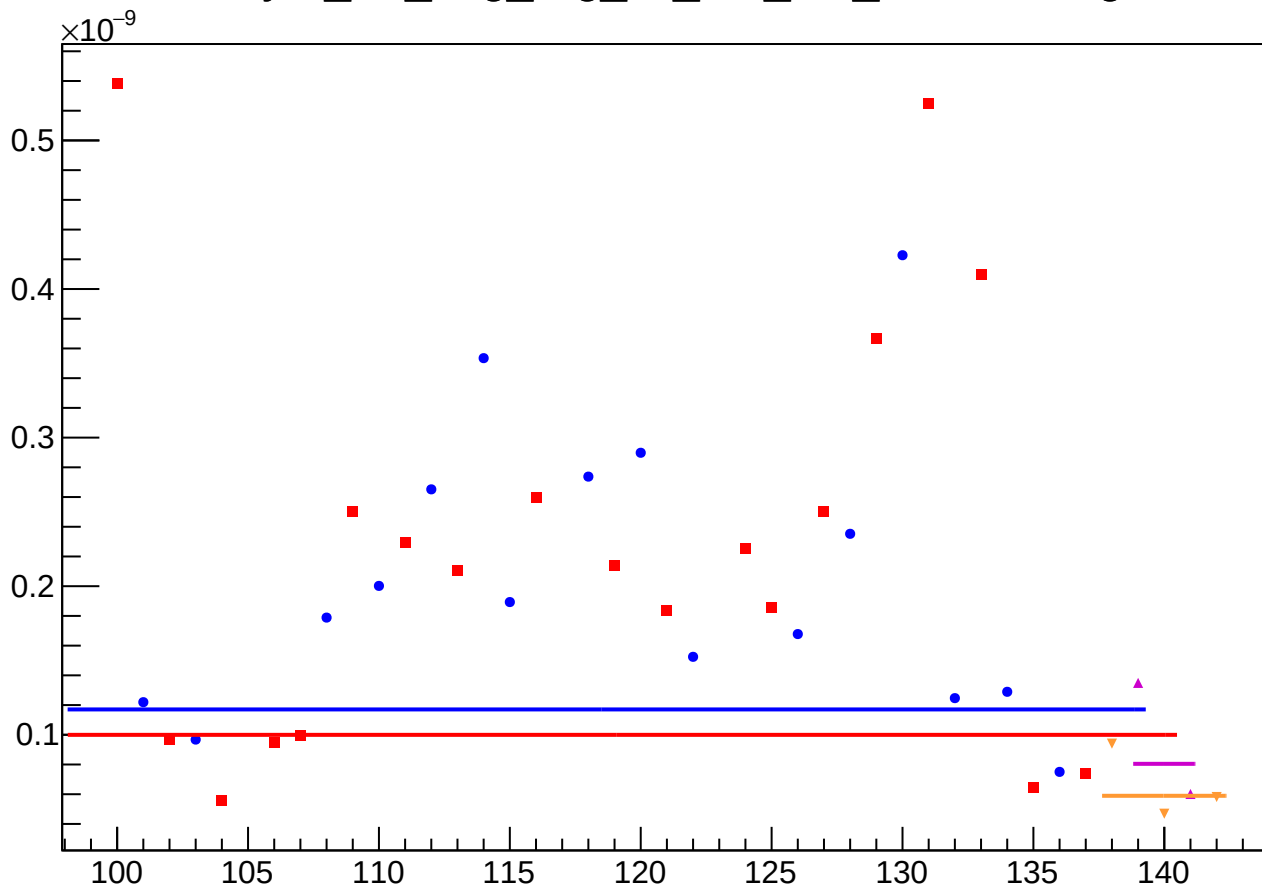
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 2.8/1$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 21.4/18$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 40.8/39$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 18.7/20$

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 : 153615.5/2

Right Out: 0.000 +/- 0.000 χ^2/NDF : 1844111.3/18

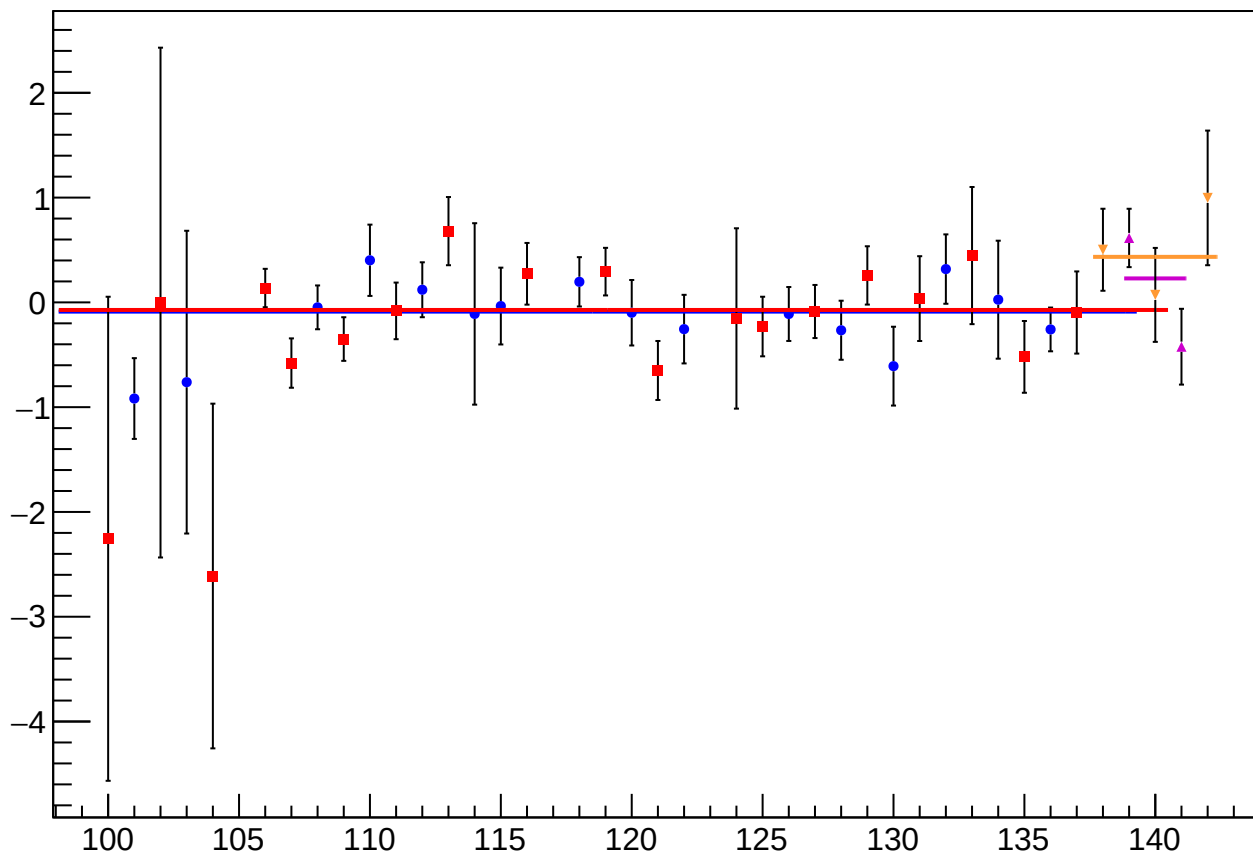
Left In: 0.000 +/- 0.000 χ^2/NDF : 236660.8/1

+ sign 0.000 +/- 0.000 χ^2/NDF : 1917342.8/18

All: 0.000 +/- 0.000 χ^2/NDF : 4073593.1/39

- sign 0.000 +/- 0.000 χ^2/NDF : 2132832.6/20

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088 ± 0.077 χ^2/NDF : 13.9/15

Left Out: 0.434 ± 0.268 χ^2/NDF : 1.5/2

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

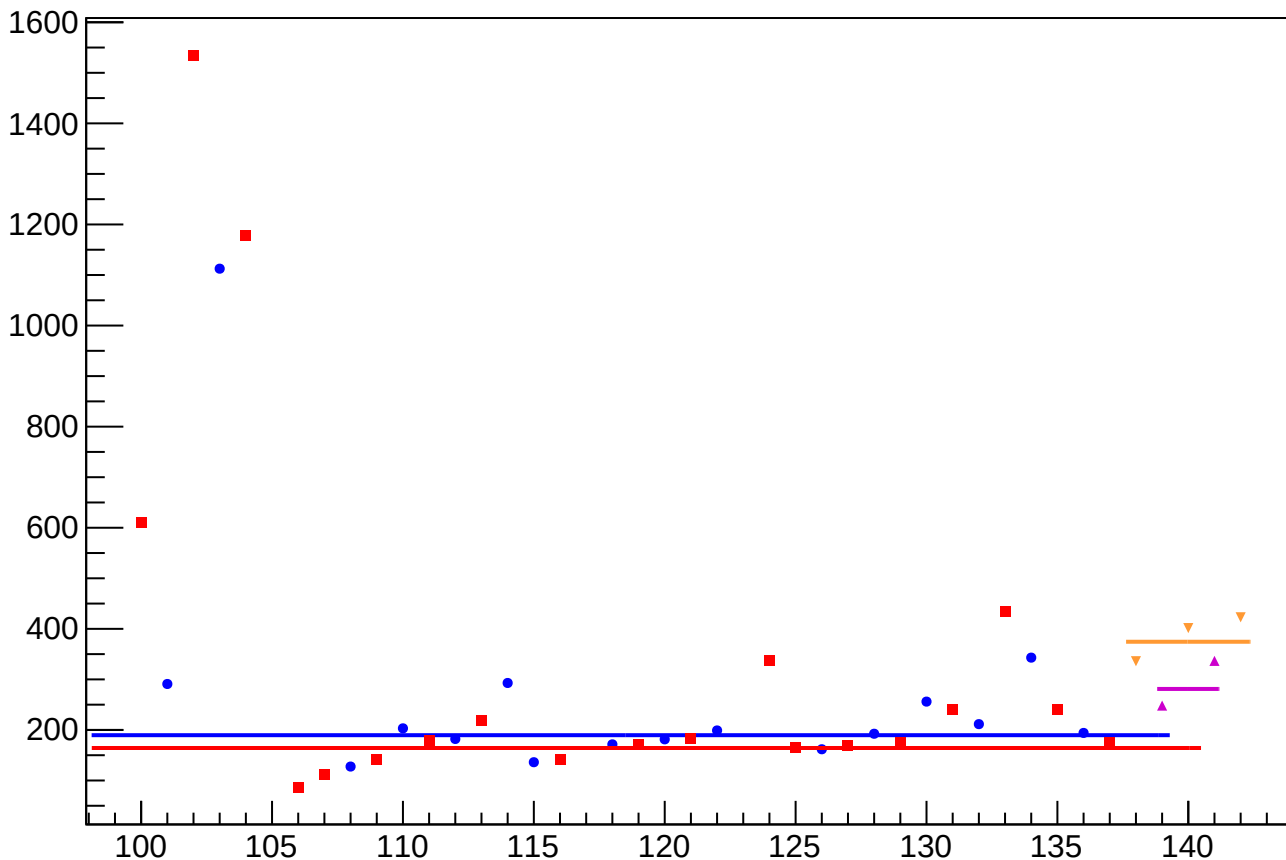
Left In: 0.229 ± 0.221 χ^2/NDF : 5.2/1

+ sign -0.048 ± 0.074 χ^2/NDF : 18.8/18

All: -0.046 ± 0.049 χ^2/NDF : 54.3/39

- sign -0.045 ± 0.067 χ^2/NDF : 35.5/20

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: 374.477 $\pm$ 0.189 χ^2 /NDF:38011.0/2

Right Out: 164.287 $\pm$ 0.050 χ^2 /NDF: 2643490.2/18

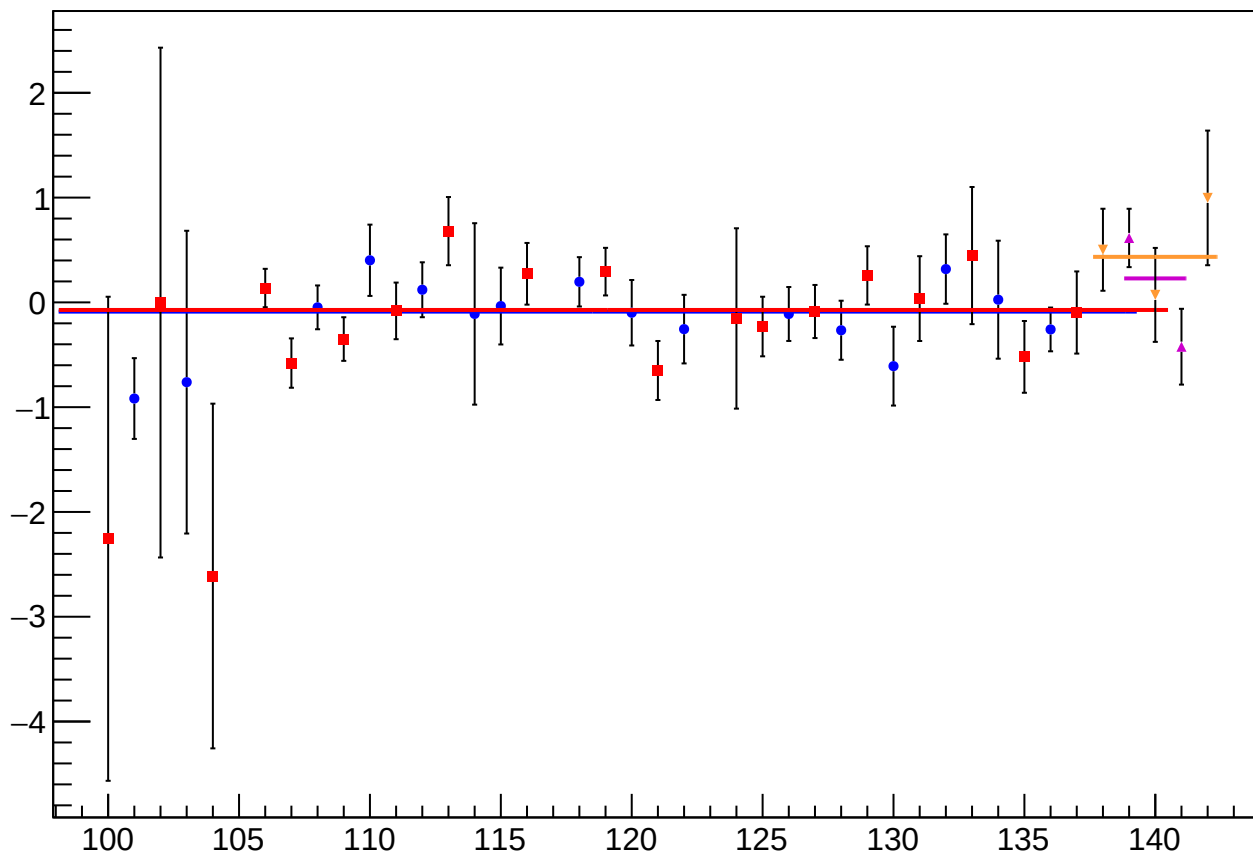
Left In: 281.110 $\pm$ 0.156 χ^2 /NDF:75125.0/1

+ sign 203.651 $\pm$ 0.052 χ^2 /NDF: 2383109.9/18

All: 187.873 $\pm$ 0.035 χ^2 /NDF: 5777181.0/39

- sign 174.972 $\pm$ 0.047 χ^2 /NDF: 3227917.7/20

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: 0.434 ± 0.268 χ^2/NDF : 1.5/2

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

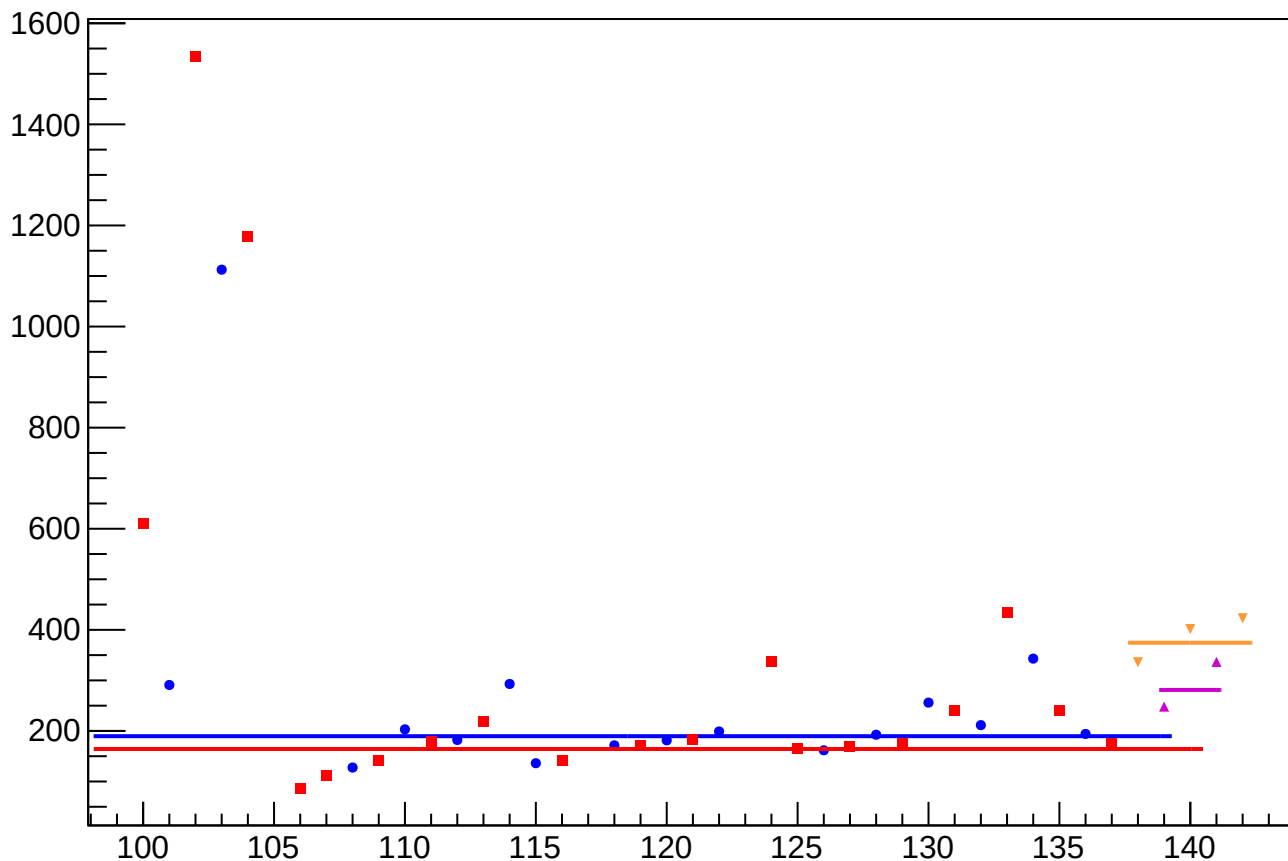
Left In: 0.229 ± 0.221 χ^2/NDF : 5.2/1

+ sign -0.048 ± 0.074 χ^2/NDF : 18.8/18

All: -0.046 ± 0.049 χ^2/NDF : 54.3/39

- sign -0.045 ± 0.067 χ^2/NDF : 35.5/20

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628 ± 0.054 $\chi^2/\text{NDF}: 1465476.9/15$

Left Out: 374.477 ± 0.189 $\chi^2/\text{NDF}: 38011.0/2$

Right Out: 164.287 ± 0.050 $\chi^2/\text{NDF}: 2643490.2/18$

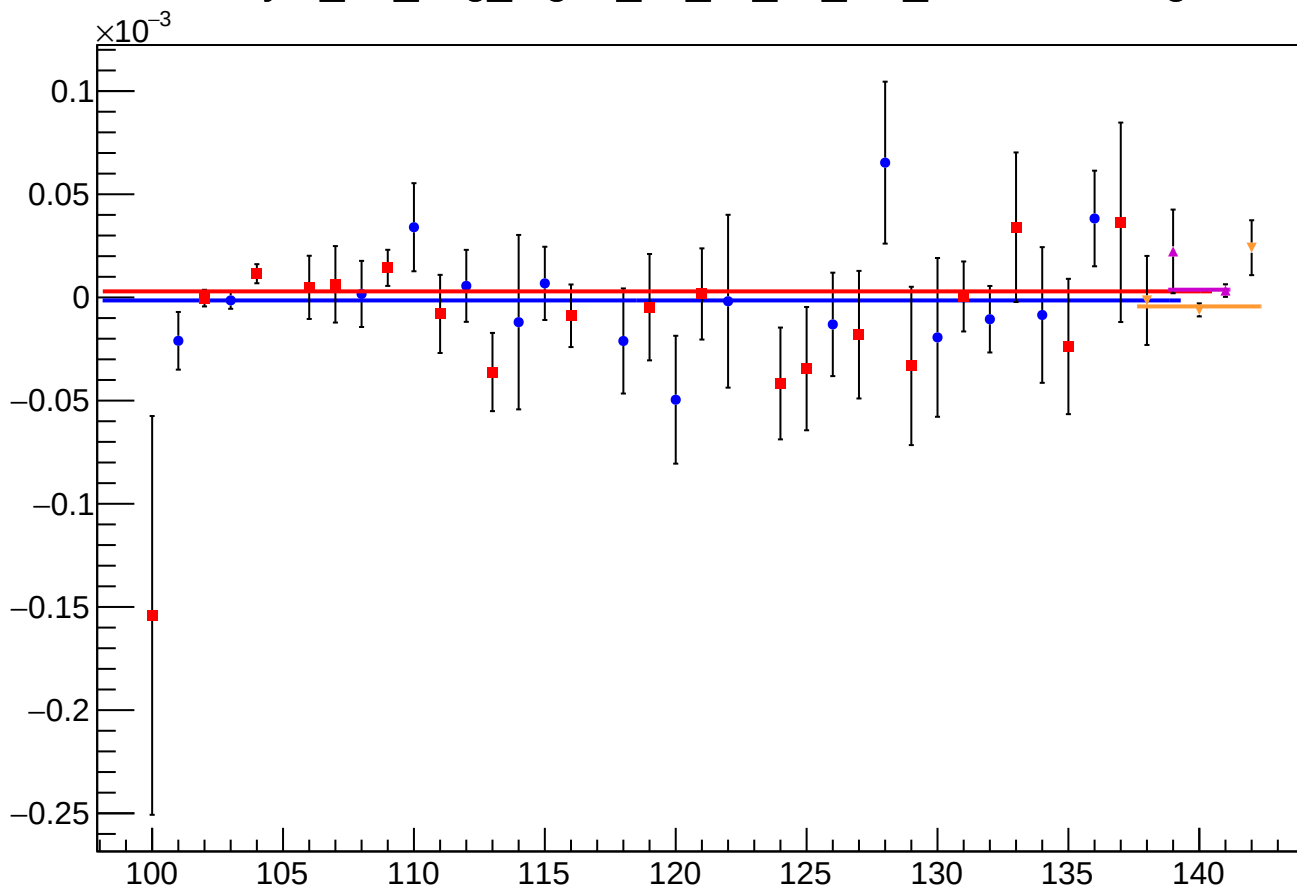
Left In: 281.110 ± 0.156 $\chi^2/\text{NDF}: 75125.0/1$

+ sign 203.651 ± 0.052 $\chi^2/\text{NDF}: 2383109.9/18$

All: 187.873 ± 0.035 $\chi^2/\text{NDF}: 5777181.0/39$

- sign 174.972 ± 0.047 $\chi^2/\text{NDF}: 3227917.7/20$

asym_atr_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: 4.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/18

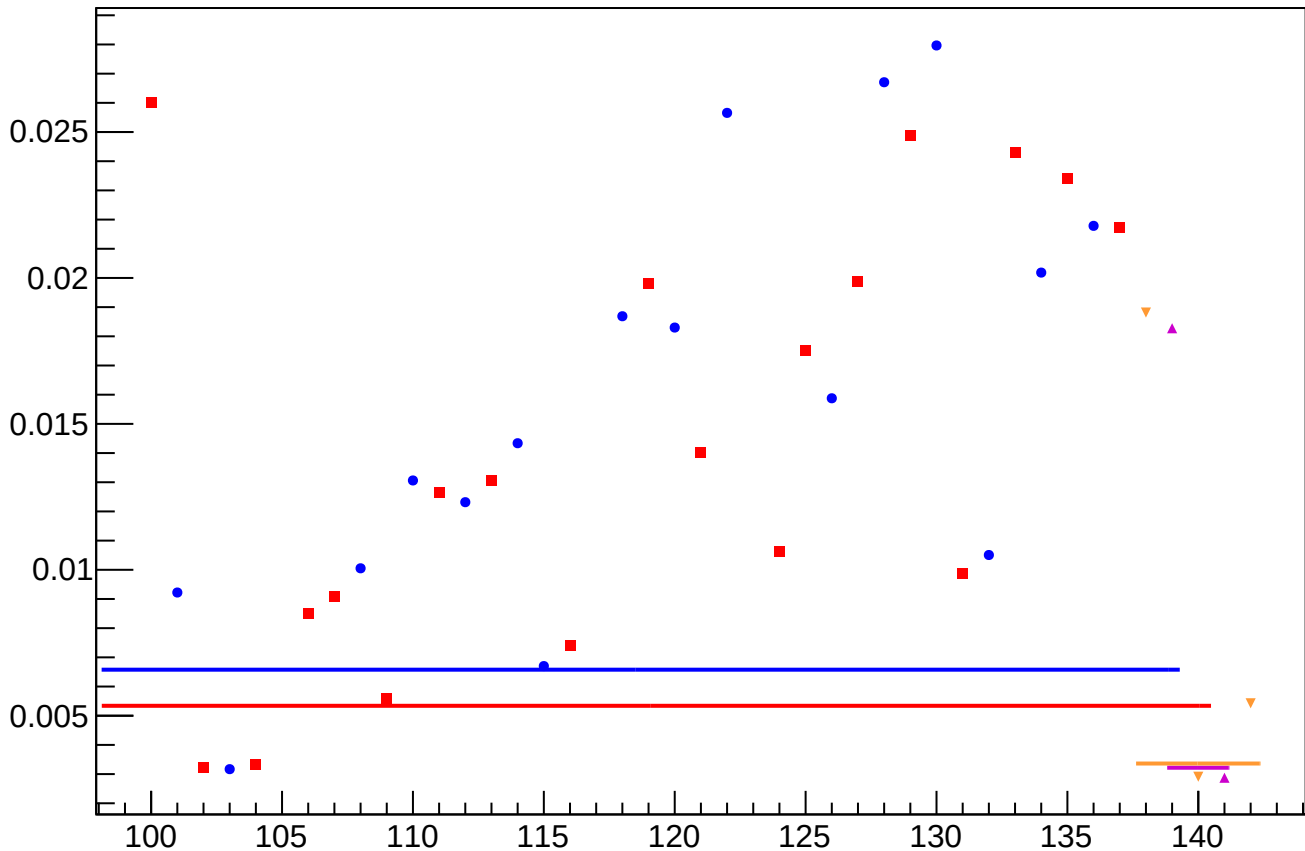
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 46.8/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/20

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 5928012.0/15

Left Out: 0.003+/-0.000 χ^2/NDF : 1114374.3/2

Right Out: 0.005+/-0.000 χ^2/NDF : 5685915.4/18

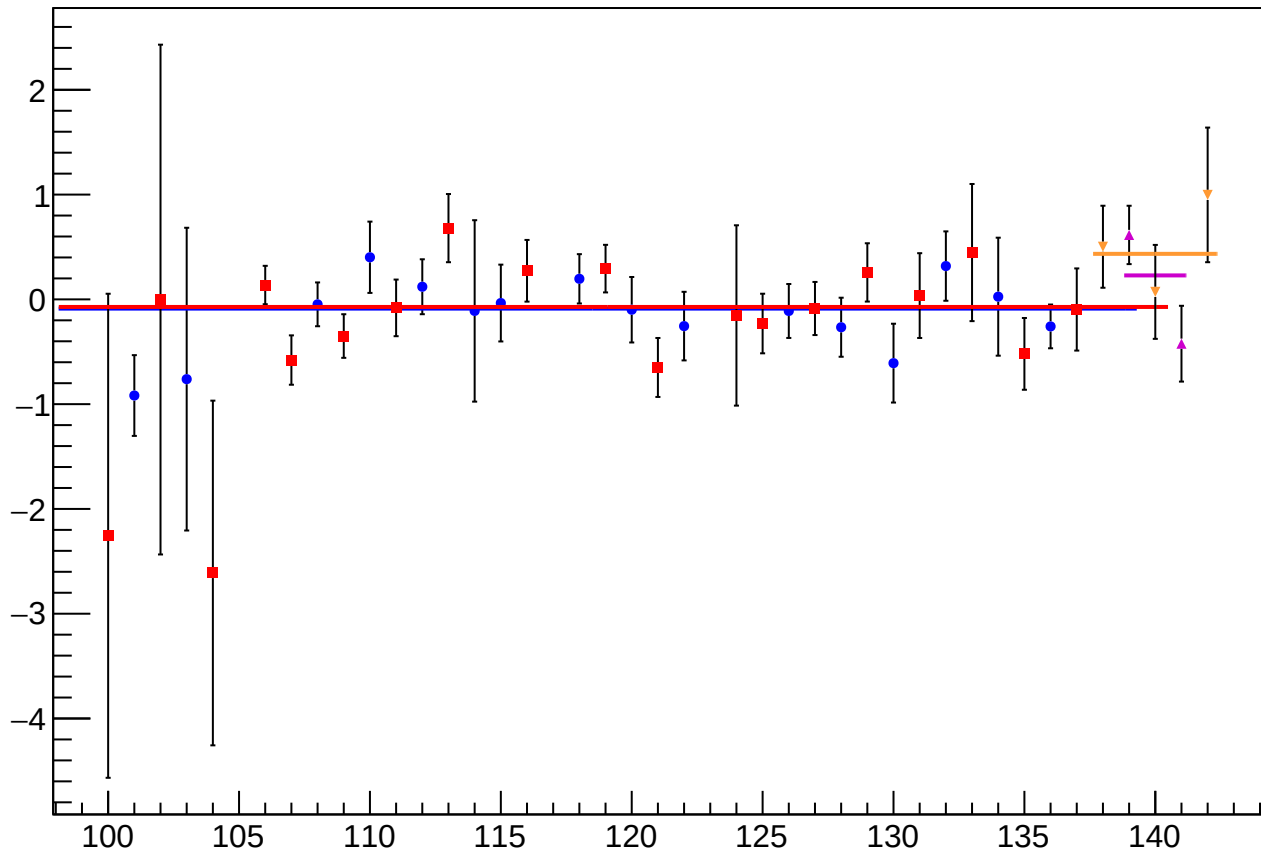
Left In: 0.003+/-0.000 χ^2/NDF : 1128866.2/1

+ sign 0.005+/-0.000 χ^2/NDF : 8060434.6/18

All: 0.005+/-0.000 χ^2/NDF : 15481749.6/39

- sign 0.004+/-0.000 χ^2/NDF : 7387497.2/20

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: 0.434 ± 0.268 χ^2/NDF : 1.5/2

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

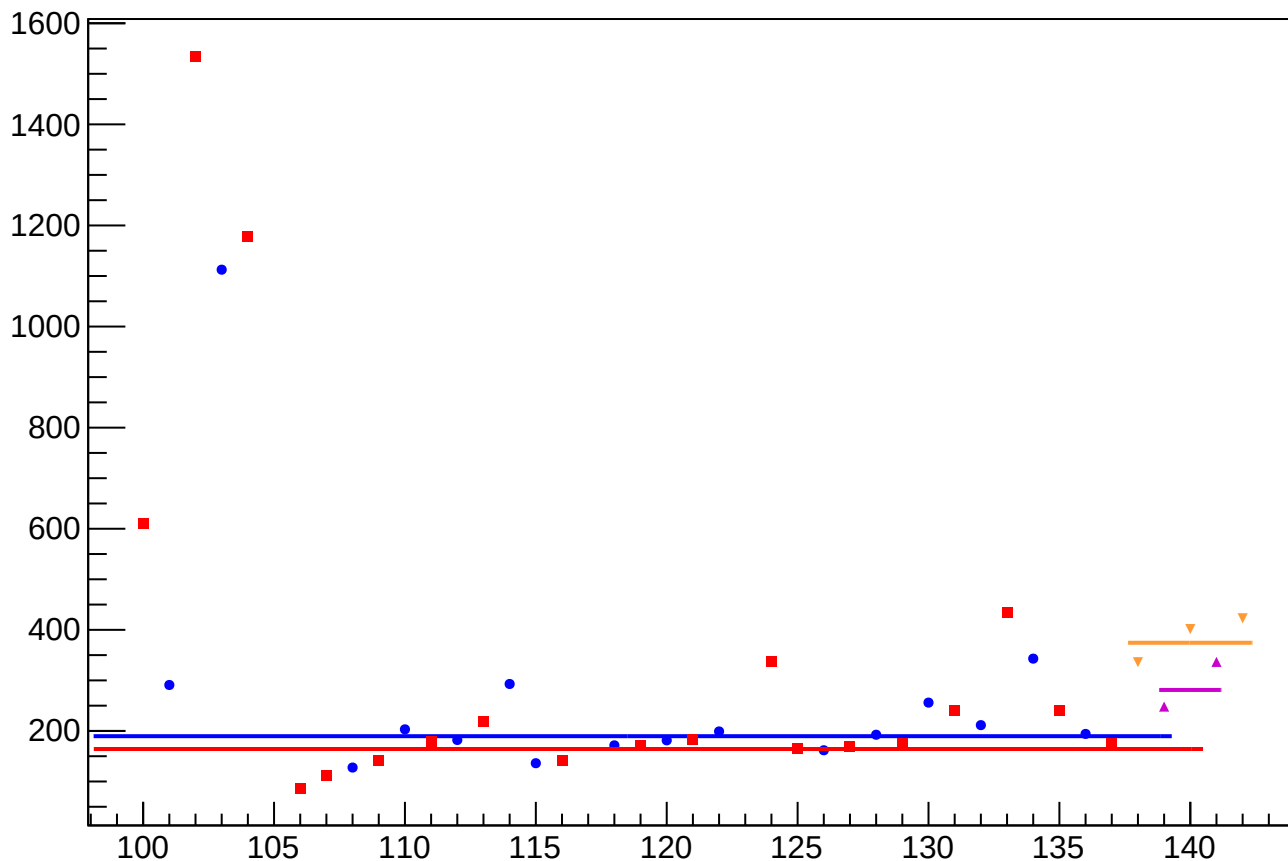
Left In: 0.229 ± 0.221 χ^2/NDF : 5.2/1

+ sign -0.048 ± 0.074 χ^2/NDF : 18.8/18

All: -0.046 ± 0.049 χ^2/NDF : 54.3/39

- sign -0.045 ± 0.067 χ^2/NDF : 35.5/20

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628 $\pm$ 0.054 χ^2 /NDF: 1465464.1/15

Left Out: 374.480 $\pm$ 0.189 χ^2 /NDF:38005.3/2

Right Out: 164.286 $\pm$ 0.050 χ^2 /NDF: 2643465.6/18

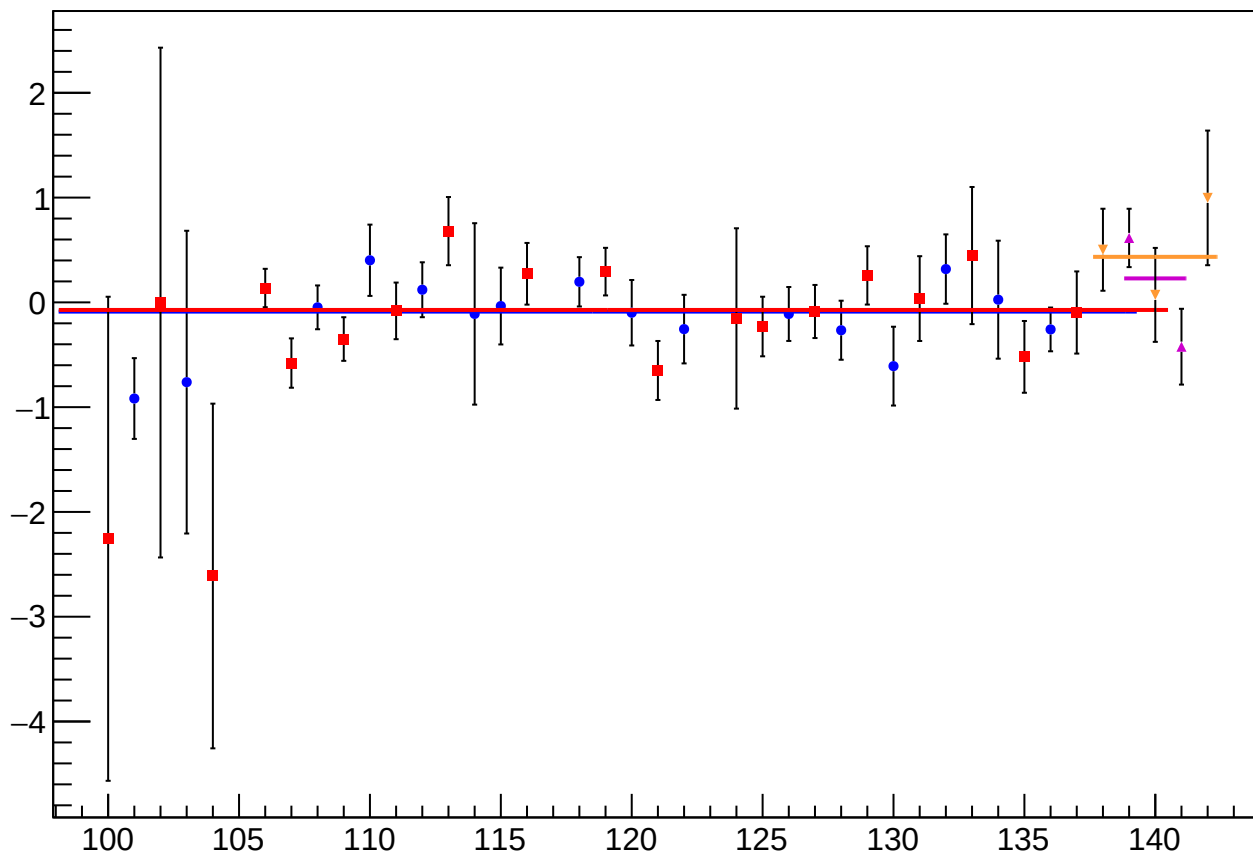
Left In: 281.113 $\pm$ 0.156 χ^2 /NDF:75116.2/1

+ sign 203.650 $\pm$ 0.052 χ^2 /NDF: 2383117.1/18

All: 187.873 $\pm$ 0.035 χ^2 /NDF: 5777180.3/39

- sign 174.971 $\pm$ 0.047 χ^2 /NDF: 3227908.8/20

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: 0.434 ± 0.268 χ^2/NDF : 1.5/2

Right Out: -0.072 ± 0.070 χ^2/NDF : 28.7/18

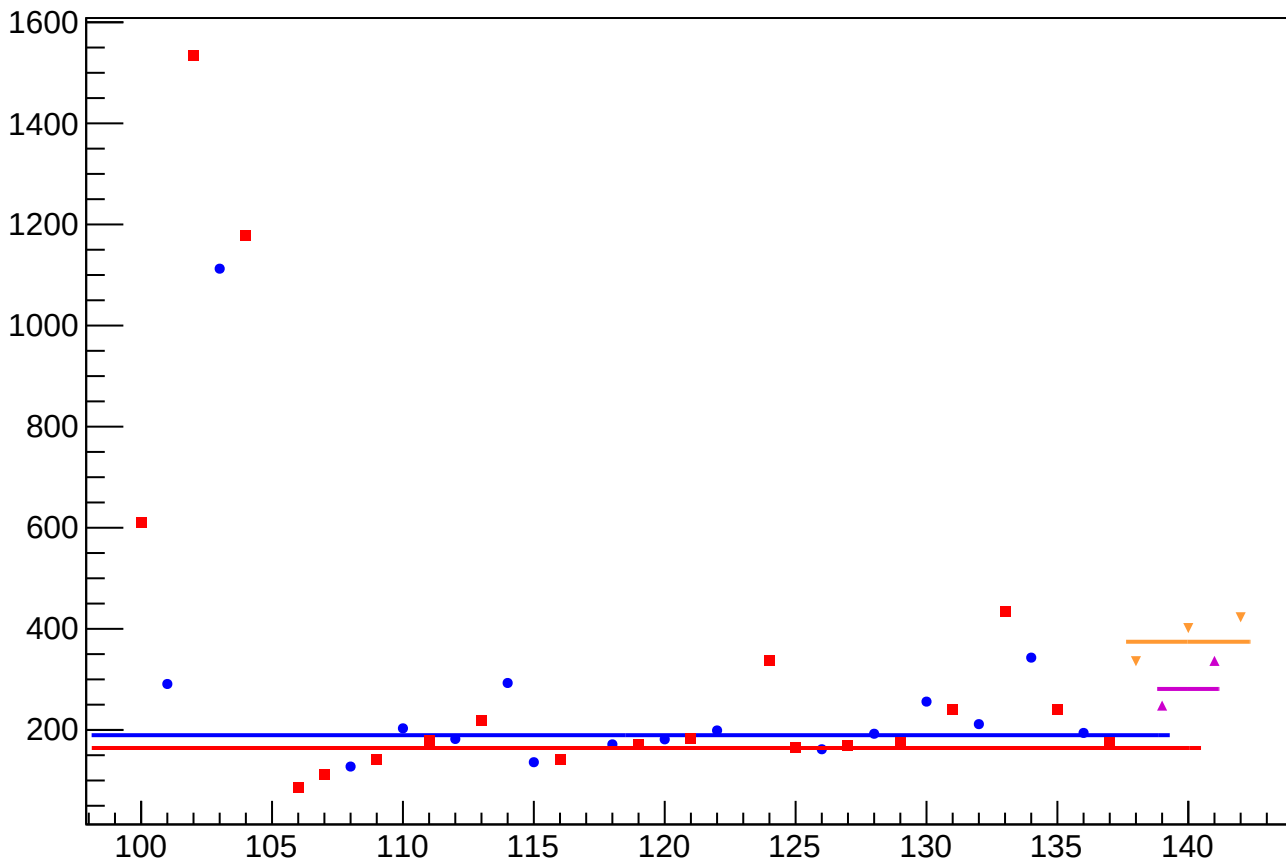
Left In: 0.229 ± 0.221 χ^2/NDF : 5.2/1

+ sign -0.048 ± 0.074 χ^2/NDF : 18.8/18

All: -0.046 ± 0.049 χ^2/NDF : 54.3/39

- sign -0.045 ± 0.067 χ^2/NDF : 35.5/20

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: 374.480 $\pm$ 0.189 χ^2 /NDF:38005.3/2

Right Out: 164.286 $\pm$ 0.050 χ^2 /NDF: 2643465.6/18

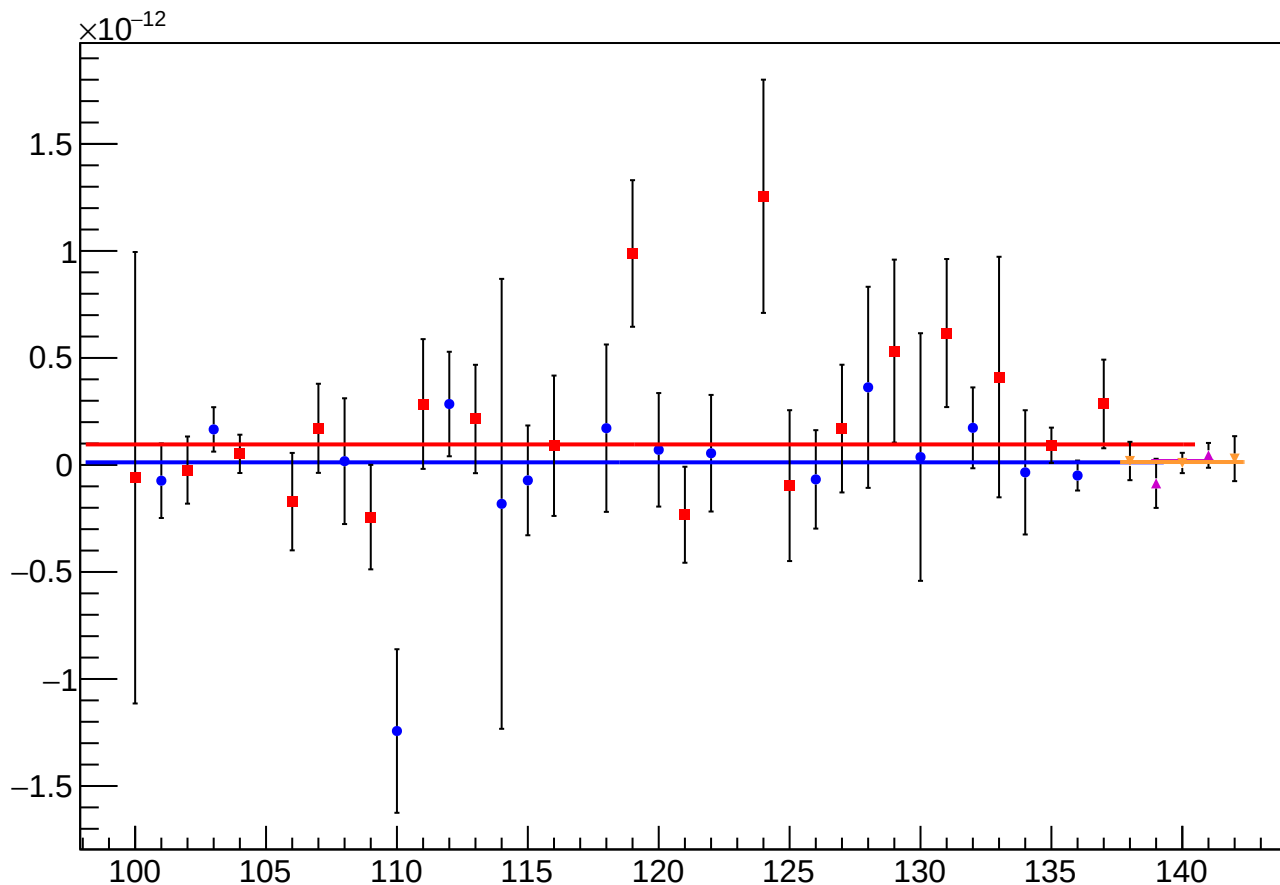
Left In: 281.113 $\pm$ 0.156 χ^2 /NDF:75116.2/1

+ sign 203.650 $\pm$ 0.052 χ^2 /NDF: 2383117.1/18

All: 187.873 $\pm$ 0.035 χ^2 /NDF: 5777180.3/39

- sign 174.971 $\pm$ 0.047 χ^2 /NDF: 3227908.8/20

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: 0.0/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/18

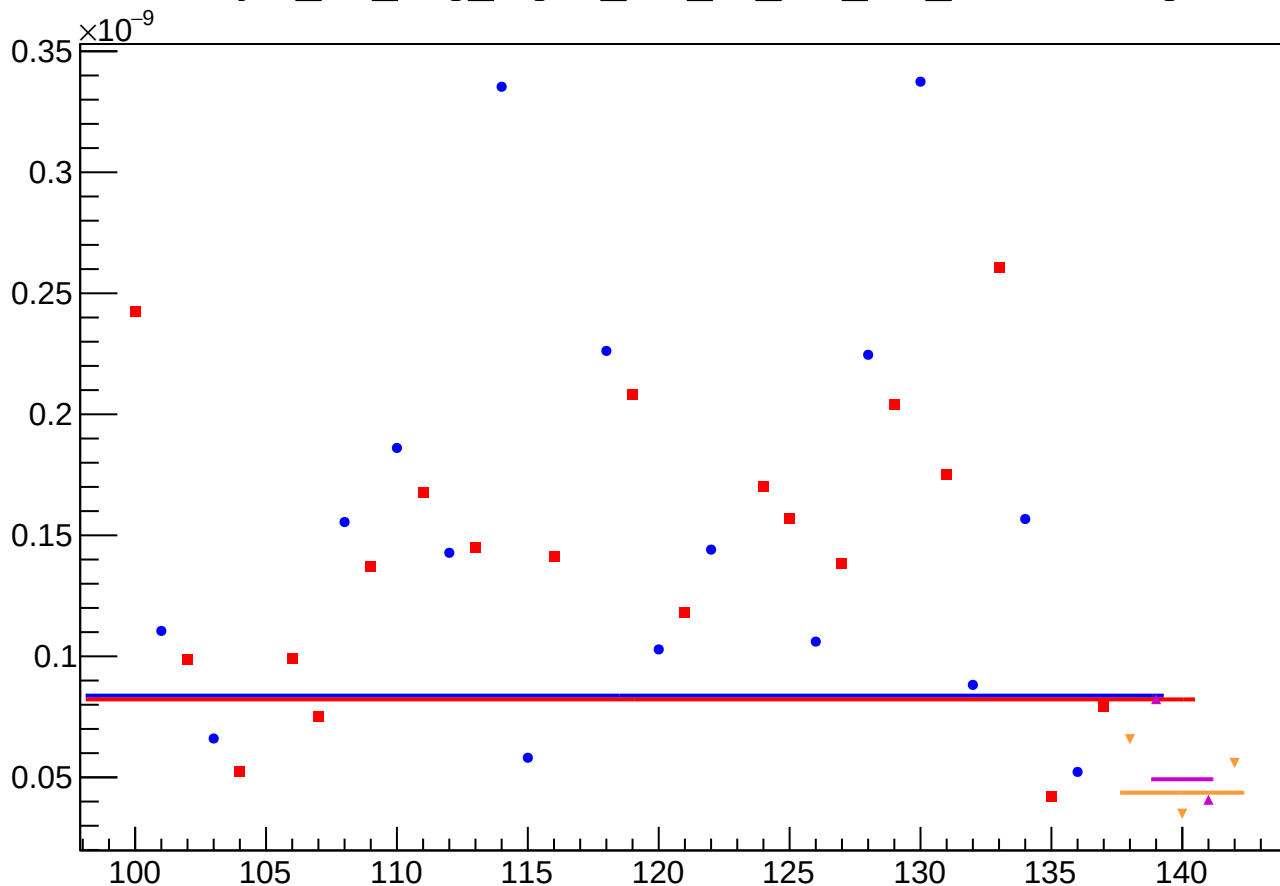
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.8/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/20

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 : 216364.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2271900.5/18

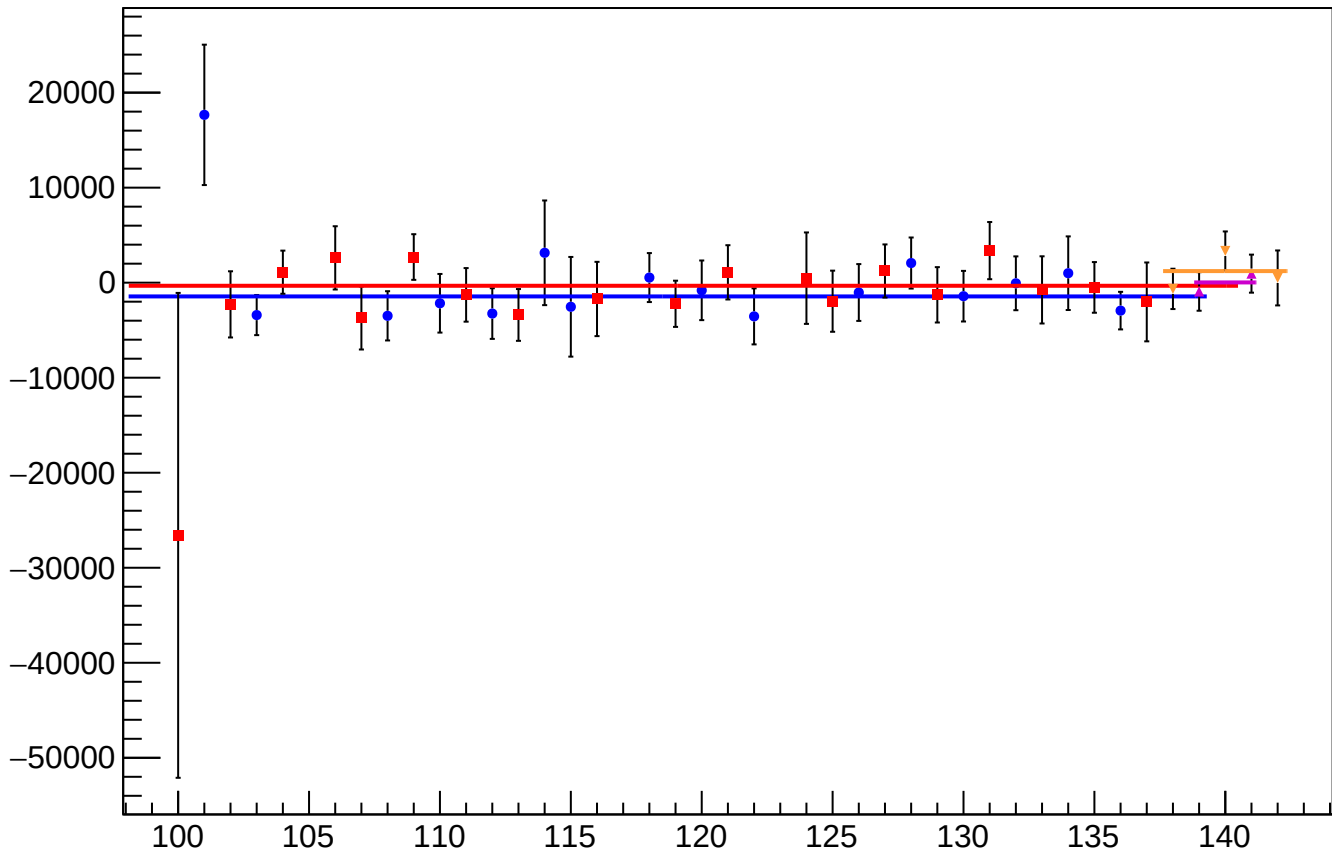
Left In: 0.000+/-0.000 χ^2/NDF : 209030.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 3220791.9/18

All: 0.000+/-0.000 χ^2/NDF : 6223066.4/39

- sign 0.000+/-0.000 χ^2/NDF : 2946261.2/20

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547 ± 723.140 χ^2/NDF : 13.5/15

Left Out: 1218.951 ± 1314.406 χ^2/NDF : 1.9/2

Right Out: -325.908 ± 702.648 χ^2/NDF : 9.9/18

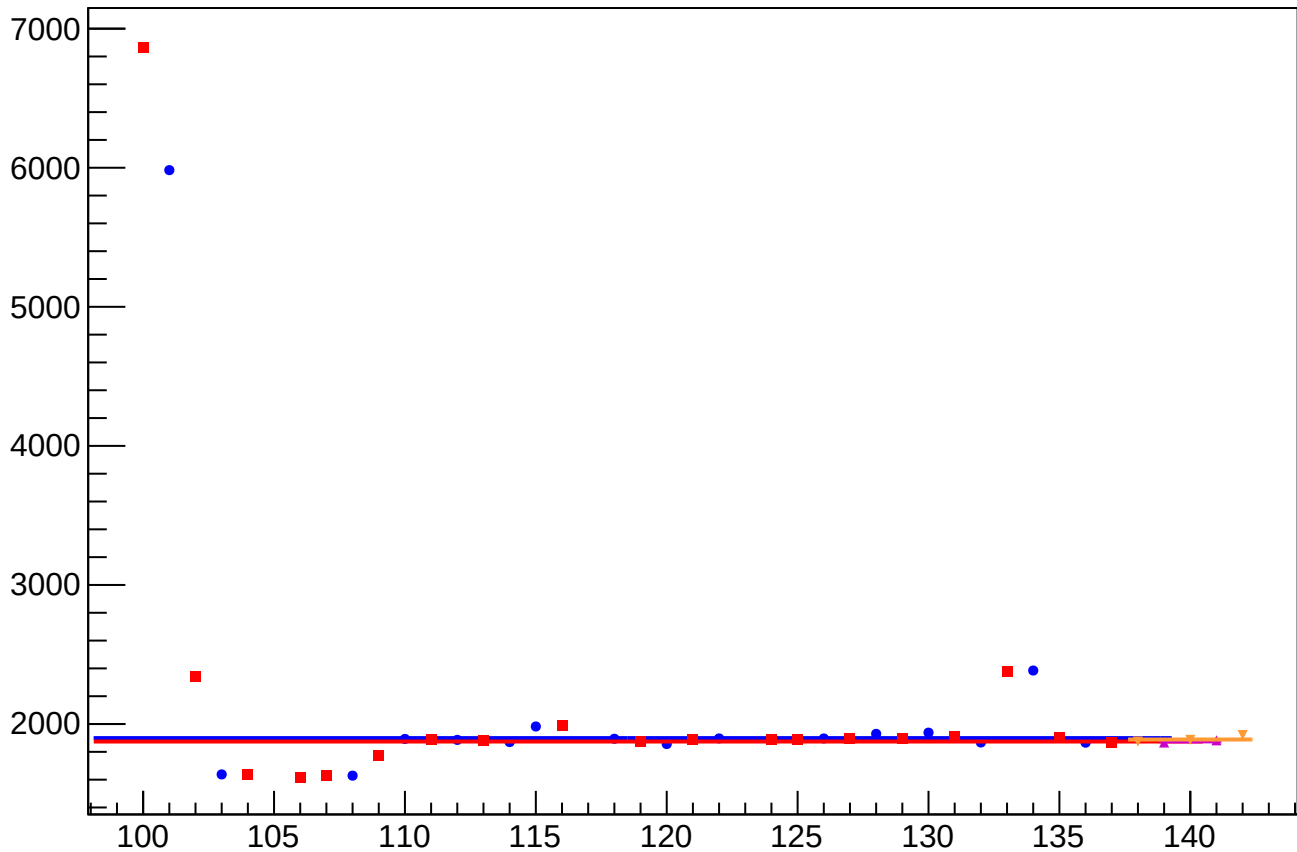
Left In: 26.227 ± 1425.044 χ^2/NDF : 0.4/1

+ sign -827.211 ± 633.583 χ^2/NDF : 18.6/18

All: -540.602 ± 446.812 χ^2/NDF : 29.4/39

- sign -257.040 ± 630.205 χ^2/NDF : 10.4/20

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF : 697514.2/15

Left Out: 1888.681+/-0.929 χ^2/NDF :345.1/2

Right Out: 1874.251+/-0.495 χ^2/NDF : 207657.7/18

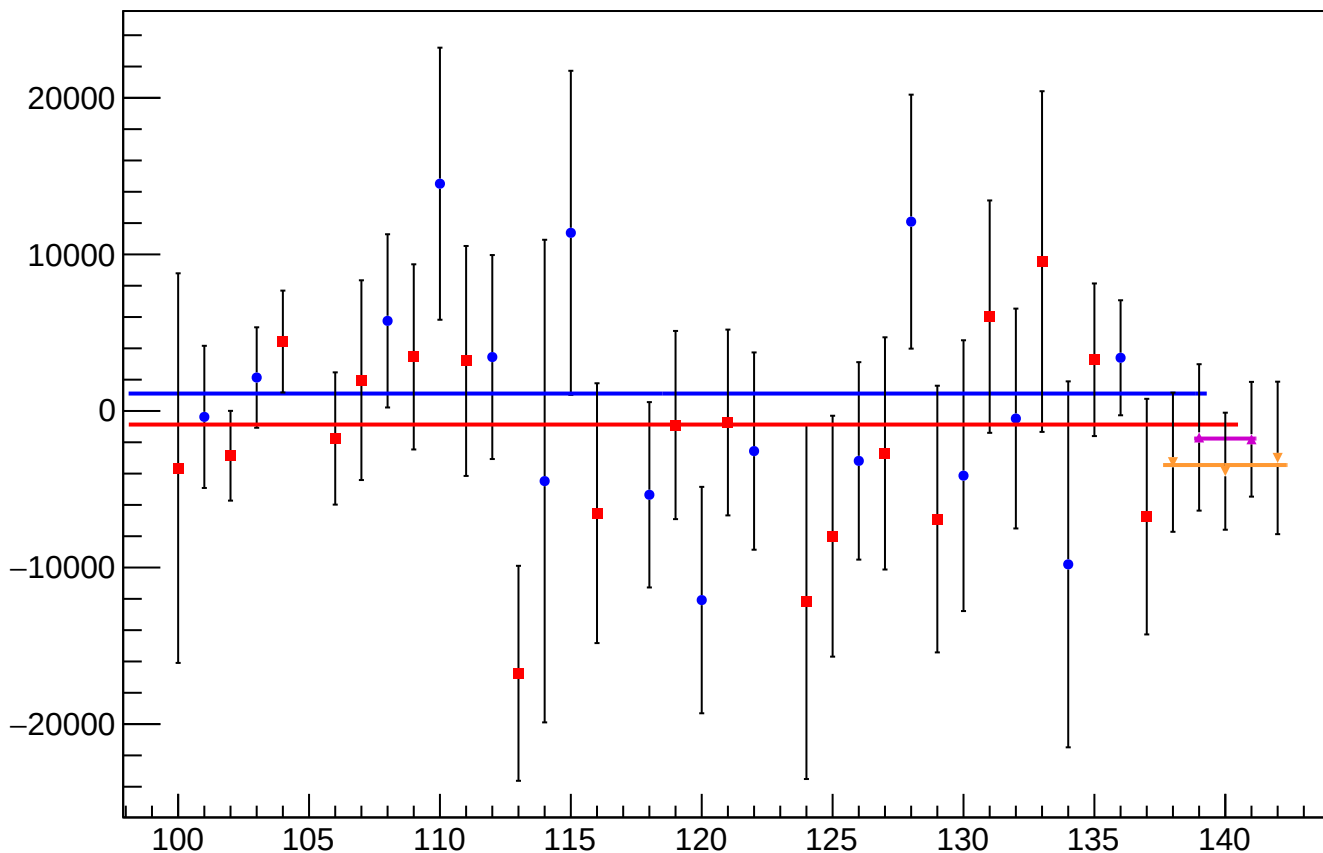
Left In: 1875.303+/-1.008 χ^2/NDF :61.4/1

+ sign 1896.469+/-0.448 χ^2/NDF : 697950.8/18

All: 1885.373+/-0.316 χ^2/NDF : 906887.7/39

- sign 1874.456+/-0.444 χ^2/NDF : 207720.0/20

asym_atr_dd_reg_correction_mean vs Slug



Right In: 1112.704 $\pm$ 1479.265 χ^2 /NDF: 13.4/15

Left Out: -3452.795 $\pm$ 2466.453 χ^2 /NDF: 0.0/2

Right Out: -866.976 $\pm$ 1307.223 χ^2 /NDF: 15.6/18

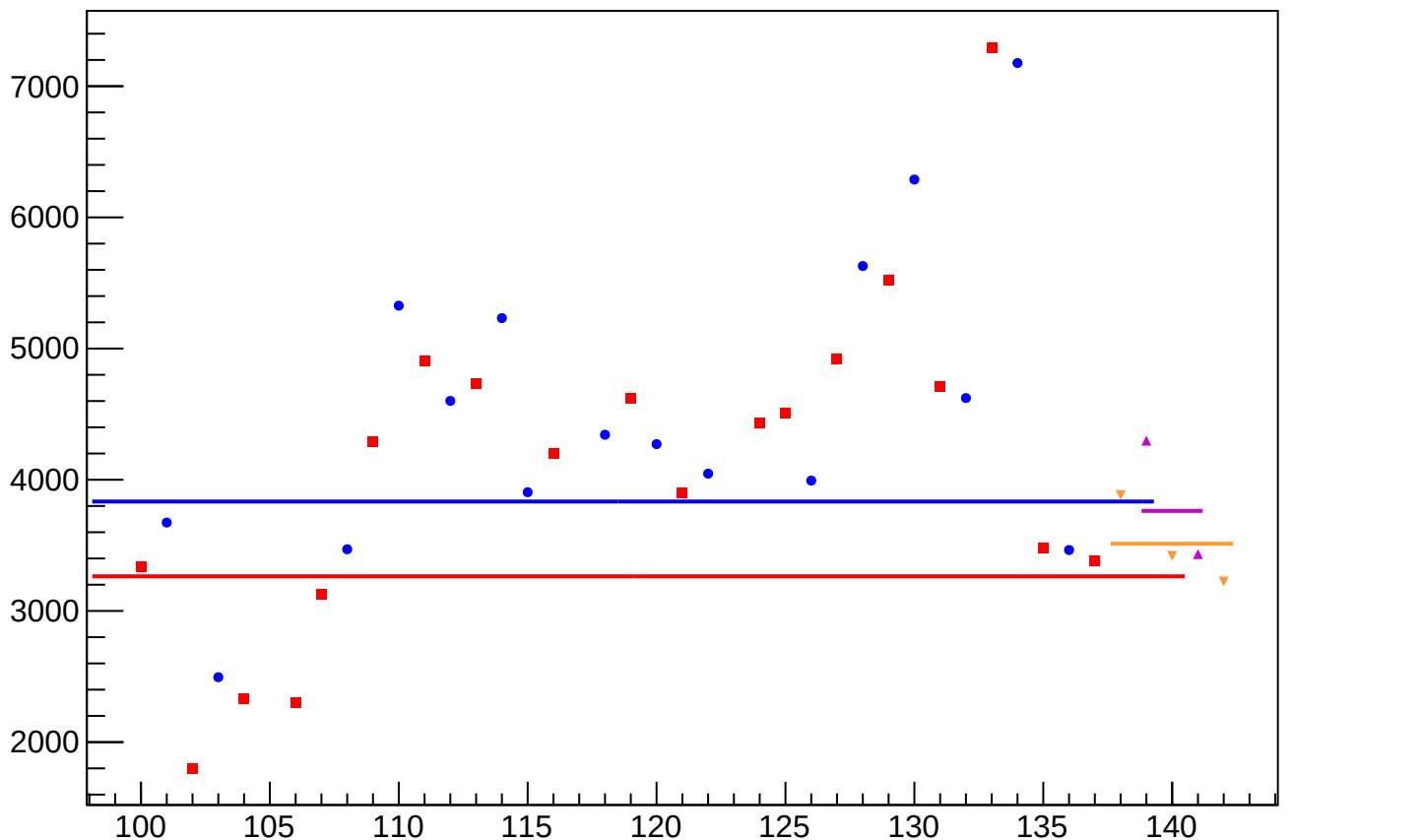
Left In: -1761.924 $\pm$ 2884.461 χ^2 /NDF: 0.0/1

+ sign -95.082 $\pm$ 1268.597 χ^2 /NDF: 15.9/18

All: -586.540 $\pm$ 868.168 χ^2 /NDF: 31.9/39

- sign -1019.466 $\pm$ 1190.657 χ^2 /NDF: 15.7/20

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164 ± 1.046 $\chi^2/\text{NDF}: 956775.6/15$

Left Out: 3511.929 ± 1.744 $\chi^2/\text{NDF}: 22142.4/2$

+ sign 3748.918 ± 0.897 $\chi^2/\text{NDF}: 1004024.5/18$

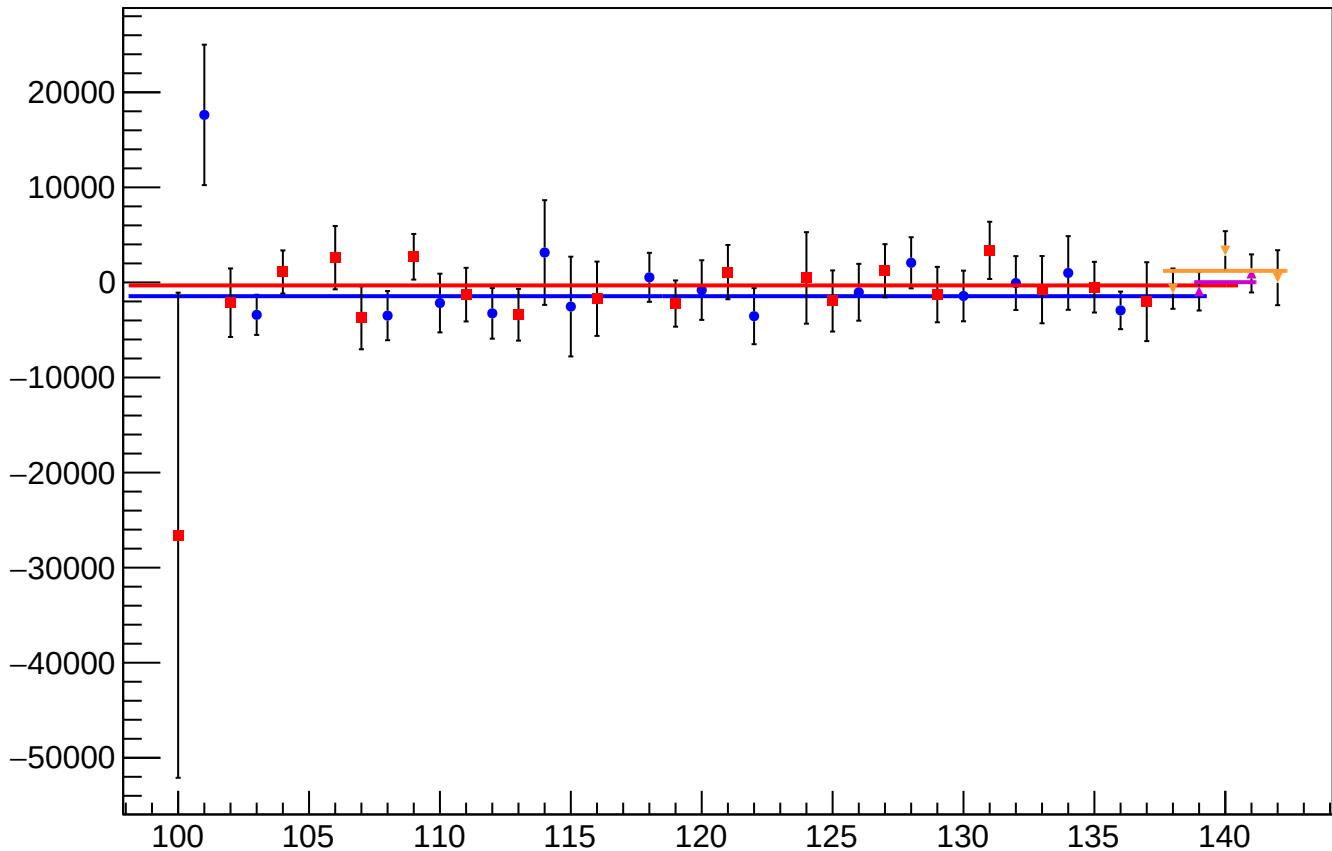
Right Out: 3264.110 ± 0.924 $\chi^2/\text{NDF}: 1864241.4/18$

All: 3536.307 ± 0.614 $\chi^2/\text{NDF}: 3065789.3/39$

- sign 3349.019 ± 0.842 $\chi^2/\text{NDF}: 1956103.2/20$

Left In: 3762.431 ± 2.040 $\chi^2/\text{NDF}: 42340.5/1$

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF : 13.5/15

Left Out: 1219.142+/-1314.406 χ^2/NDF : 1.9/2

Right Out: -315.462+/-703.596 χ^2/NDF : 9.9/18

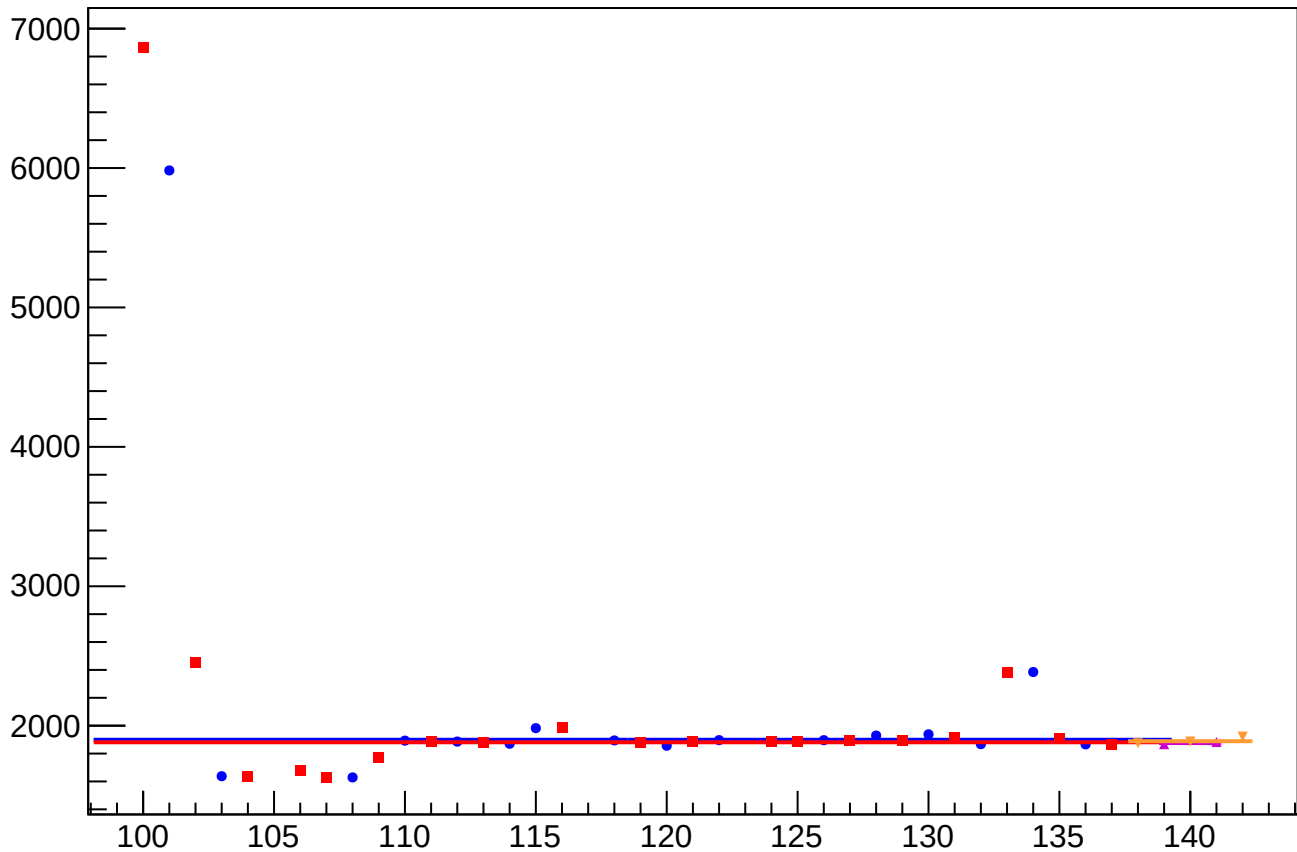
Left In: 26.121+/-1425.044 χ^2/NDF : 0.4/1

+ sign -827.463+/-633.583 χ^2/NDF : 18.5/18

All: -536.754+/-447.055 χ^2/NDF : 29.3/39

- sign -248.513+/-630.888 χ^2/NDF : 10.4/20

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826 $\pm$ 0.511 χ^2 /NDF: 697514.4/15

Left Out: 1888.681 $\pm$ 0.929 χ^2 /NDF:345.1/2

Right Out: 1881.007 $\pm$ 0.497 χ^2 /NDF: 216564.4/18

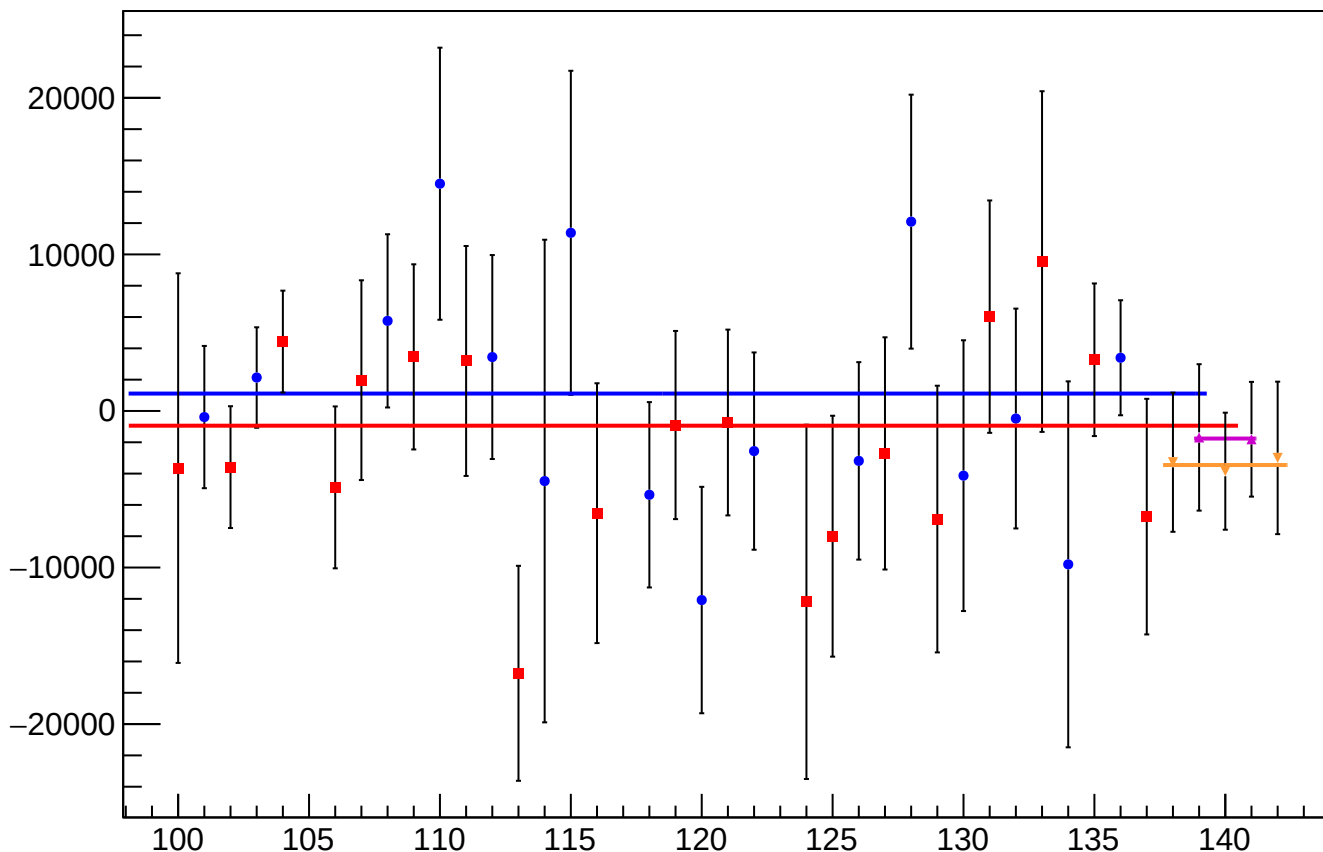
Left In: 1875.303 $\pm$ 1.008 χ^2 /NDF:61.4/1

+ sign 1896.469 $\pm$ 0.448 χ^2 /NDF: 697951.0/18

All: 1888.134 $\pm$ 0.316 χ^2 /NDF: 915290.8/39

- sign 1879.891 $\pm$ 0.446 χ^2 /NDF: 216651.5/20

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533 $\pm$ 1479.438 χ^2 /NDF: 13.4/15

Left Out: -3452.483 $\pm$ 2466.447 χ^2 /NDF: 0.0/2

Right Out: -940.712 $\pm$ 1398.993 χ^2 /NDF: 16.2/18

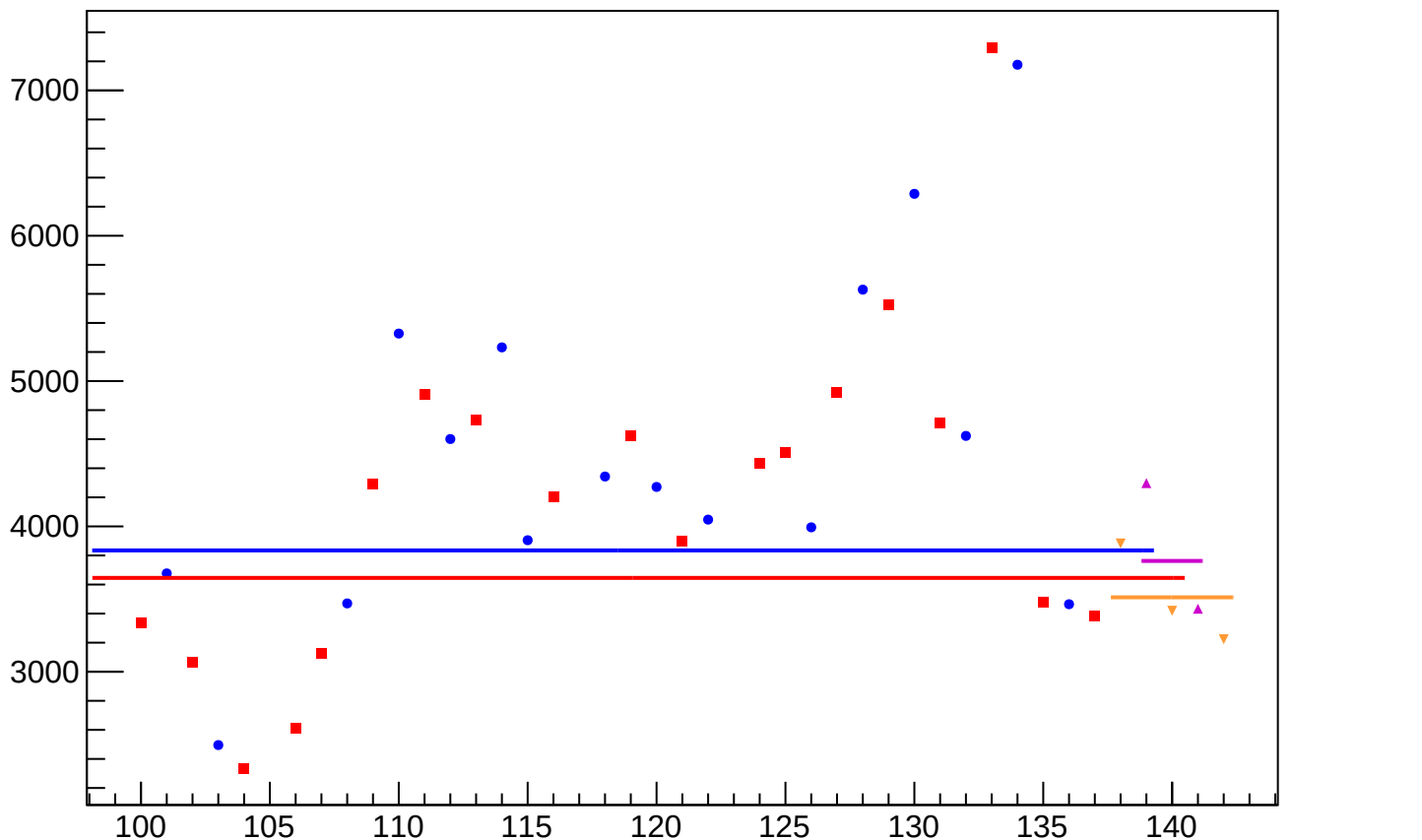
Left In: -1761.616 $\pm$ 2884.452 χ^2 /NDF: 0.0/1

+ sign -96.072 $\pm$ 1268.705 χ^2 /NDF: 15.9/18

All: -600.499 $\pm$ 893.571 χ^2 /NDF: 32.5/39

- sign -1097.043 $\pm$ 1258.753 χ^2 /NDF: 16.2/20

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF : 956312.2/15

Left Out: 3511.921+/-1.744 χ^2/NDF : 22144.0/2

Right Out: 3645.689+/-0.989 χ^2/NDF : 1124981.4/18

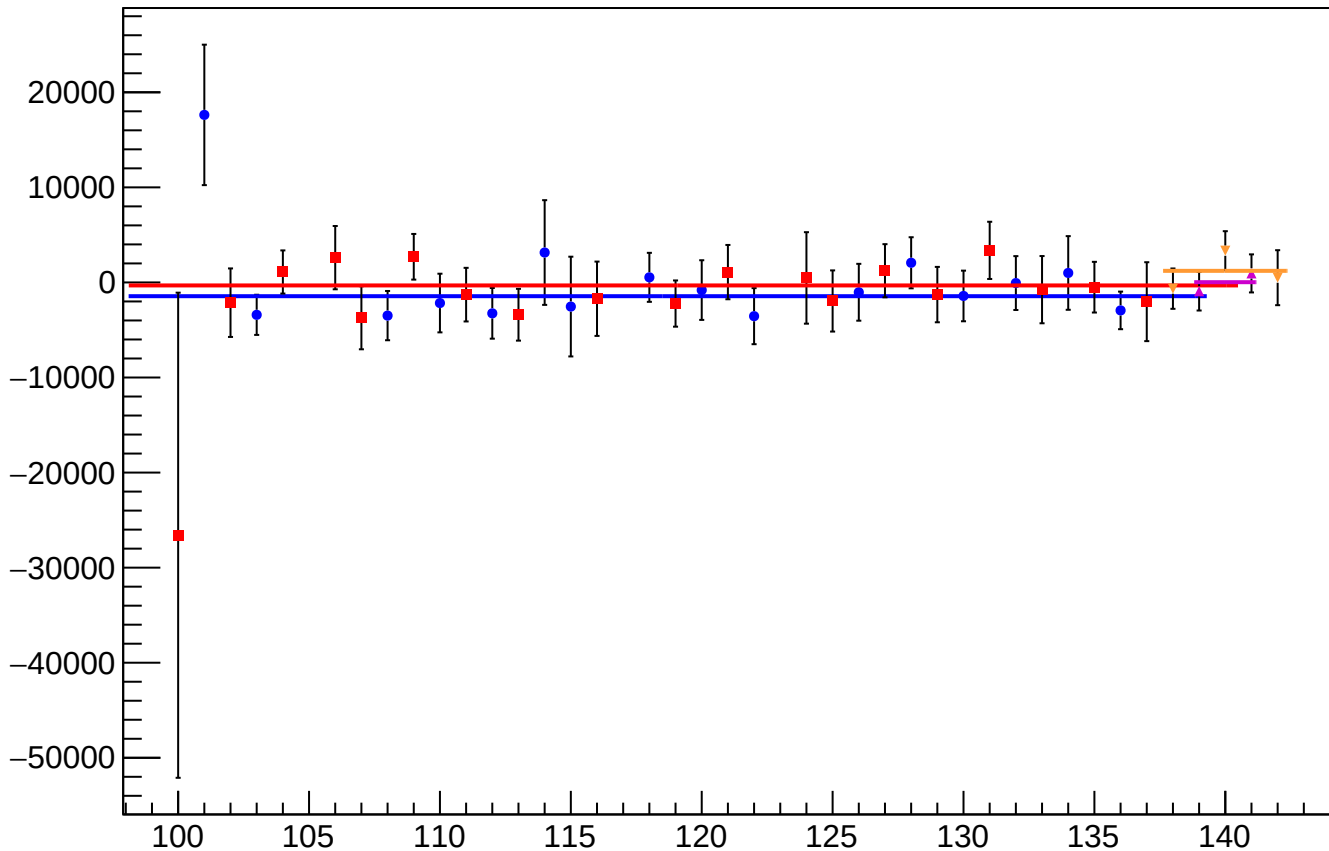
Left In: 3762.420+/-2.040 χ^2/NDF : 42339.6/1

+ sign 3749.288+/-0.897 χ^2/NDF : 1003644.4/18

All: 3708.283+/-0.632 χ^2/NDF : 2177762.7/39

- sign 3667.919+/-0.890 χ^2/NDF : 1169972.7/20

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF : 13.5/15

Left Out: 1219.142+/-1314.406 χ^2/NDF : 1.9/2

Right Out: -315.462+/-703.596 χ^2/NDF : 9.9/18

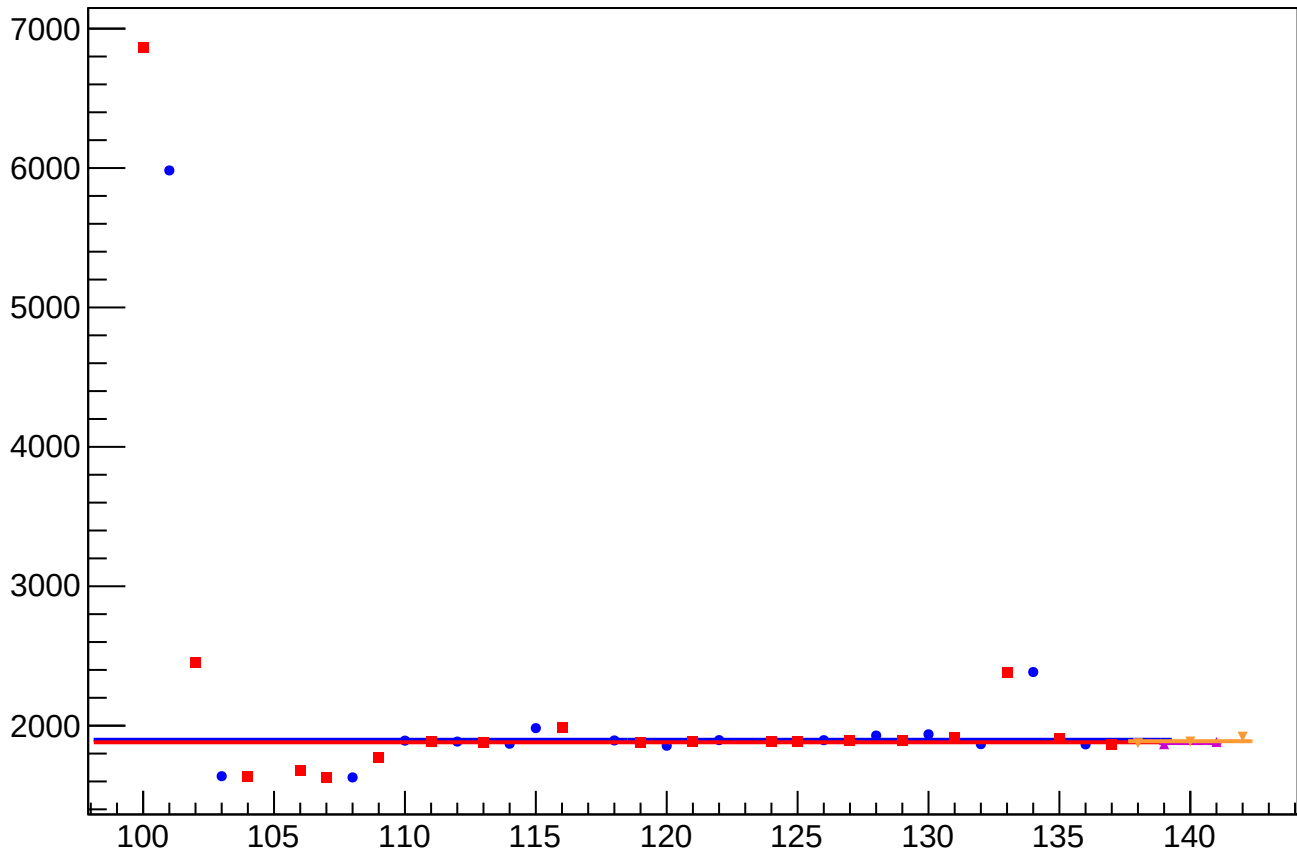
Left In: 26.121+/-1425.044 χ^2/NDF : 0.4/1

+ sign -827.463+/-633.583 χ^2/NDF : 18.5/18

All: -536.754+/-447.055 χ^2/NDF : 29.3/39

- sign -248.513+/-630.888 χ^2/NDF : 10.4/20

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF : 697514.4/15

Left Out: 1888.681+/-0.929 χ^2/NDF : 345.1/2

Right Out: 1881.007+/-0.497 χ^2/NDF : 216564.4/18

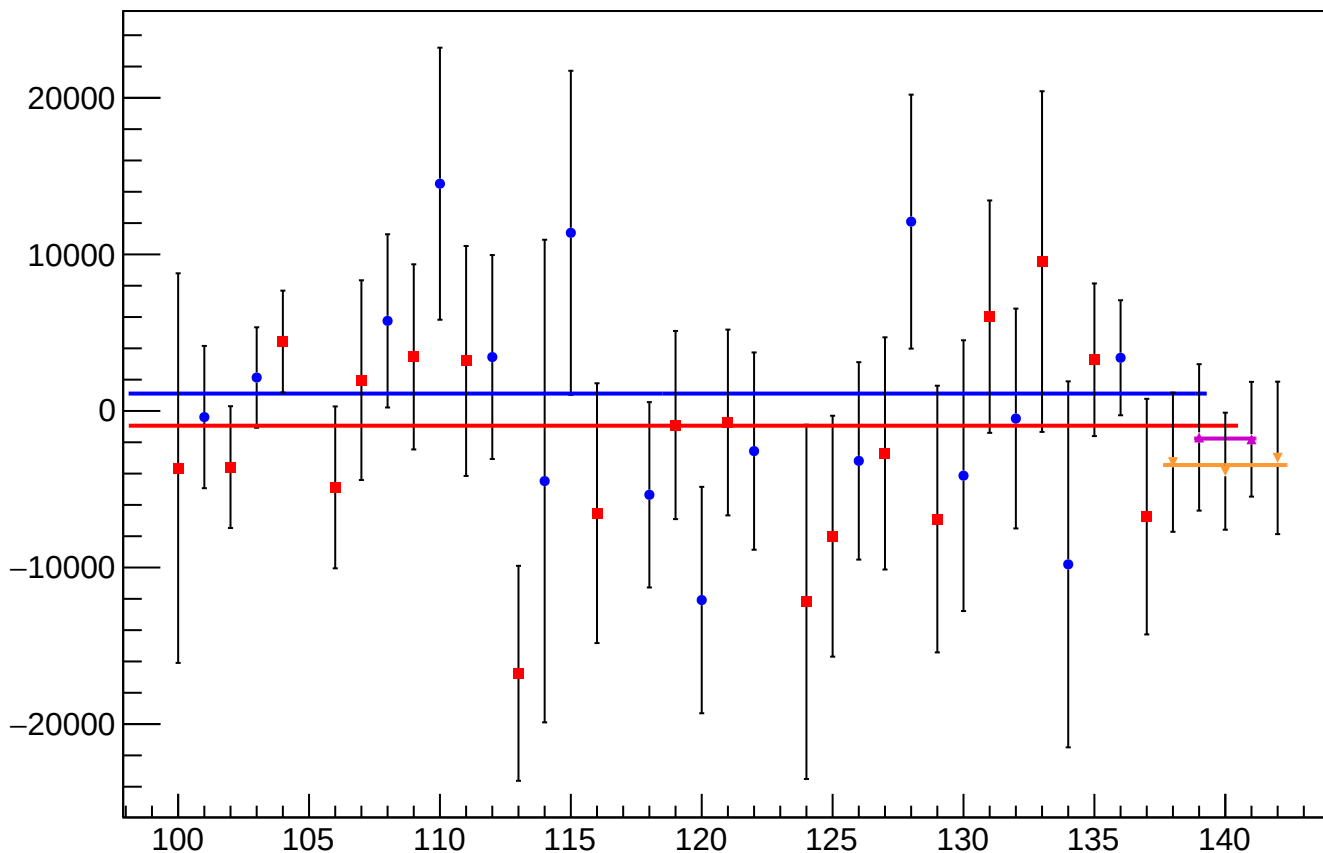
Left In: 1875.303+/-1.008 χ^2/NDF : 61.4/1

+ sign 1896.469+/-0.448 χ^2/NDF : 697951.0/18

All: 1888.134+/-0.316 χ^2/NDF : 915290.8/39

- sign 1879.891+/-0.446 χ^2/NDF : 216651.5/20

asym_atr_dd_eigen_cor_correction_mean vs Slug



Right In: 1111.533 $\pm$ 1479.438 χ^2 /NDF: 13.4/15

Left Out: -3452.483 $\pm$ 2466.447 χ^2 /NDF:0.0/2

Right Out: -940.712 $\pm$ 1398.993 χ^2 /NDF: 16.2/18

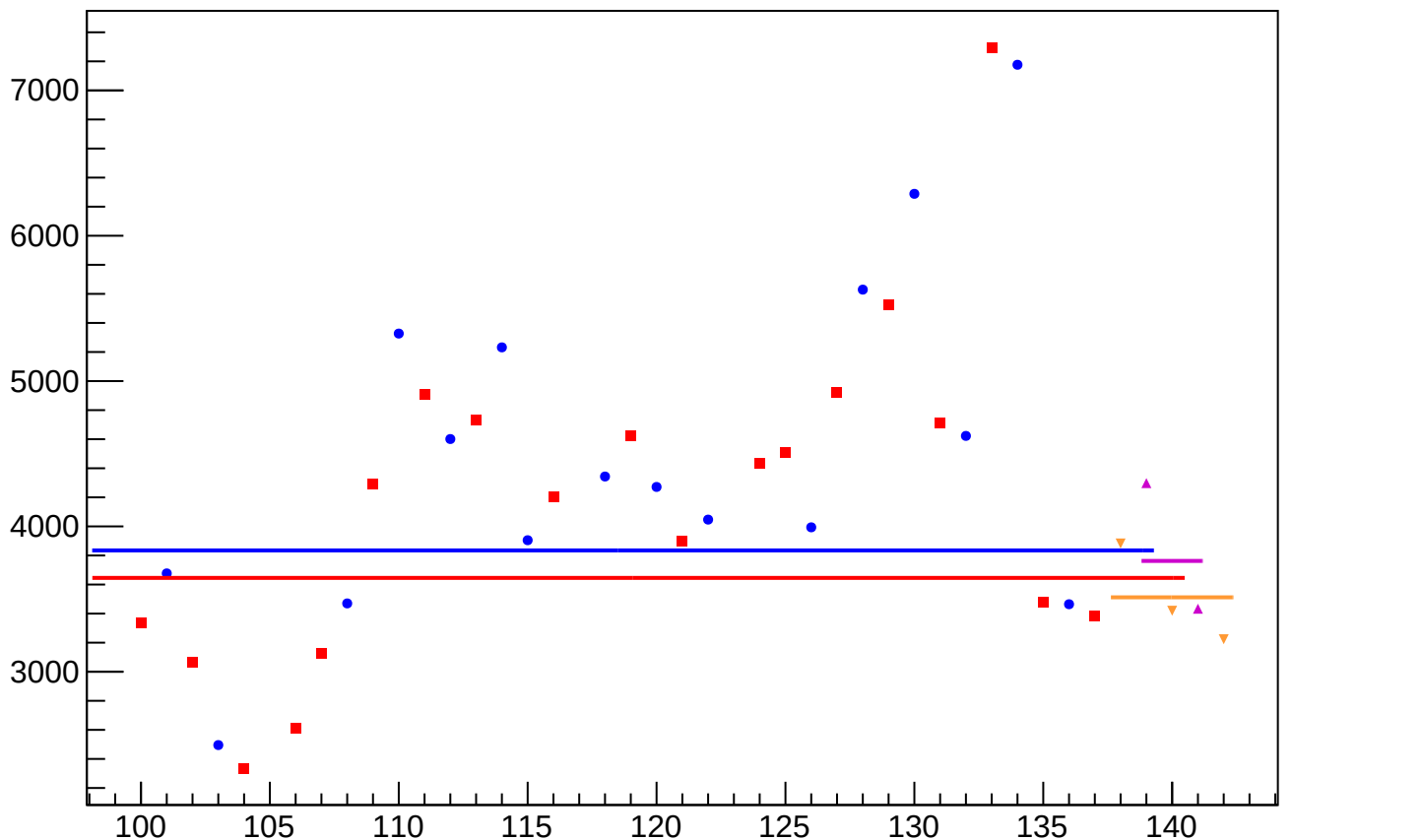
Left In: -1761.616 $\pm$ 2884.452 χ^2 /NDF:0.0/1

+ sign -96.072 $\pm$ 1268.705 χ^2 /NDF: 15.9/18

All: -600.499 $\pm$ 893.571 χ^2 /NDF: 32.5/39

- sign -1097.043 $\pm$ 1258.753 χ^2 /NDF: 16.2/20

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF : 956312.2/15

Left Out: 3511.921+/-1.744 χ^2/NDF : 22144.0/2

Right Out: 3645.689+/-0.989 χ^2/NDF : 1124981.4/18

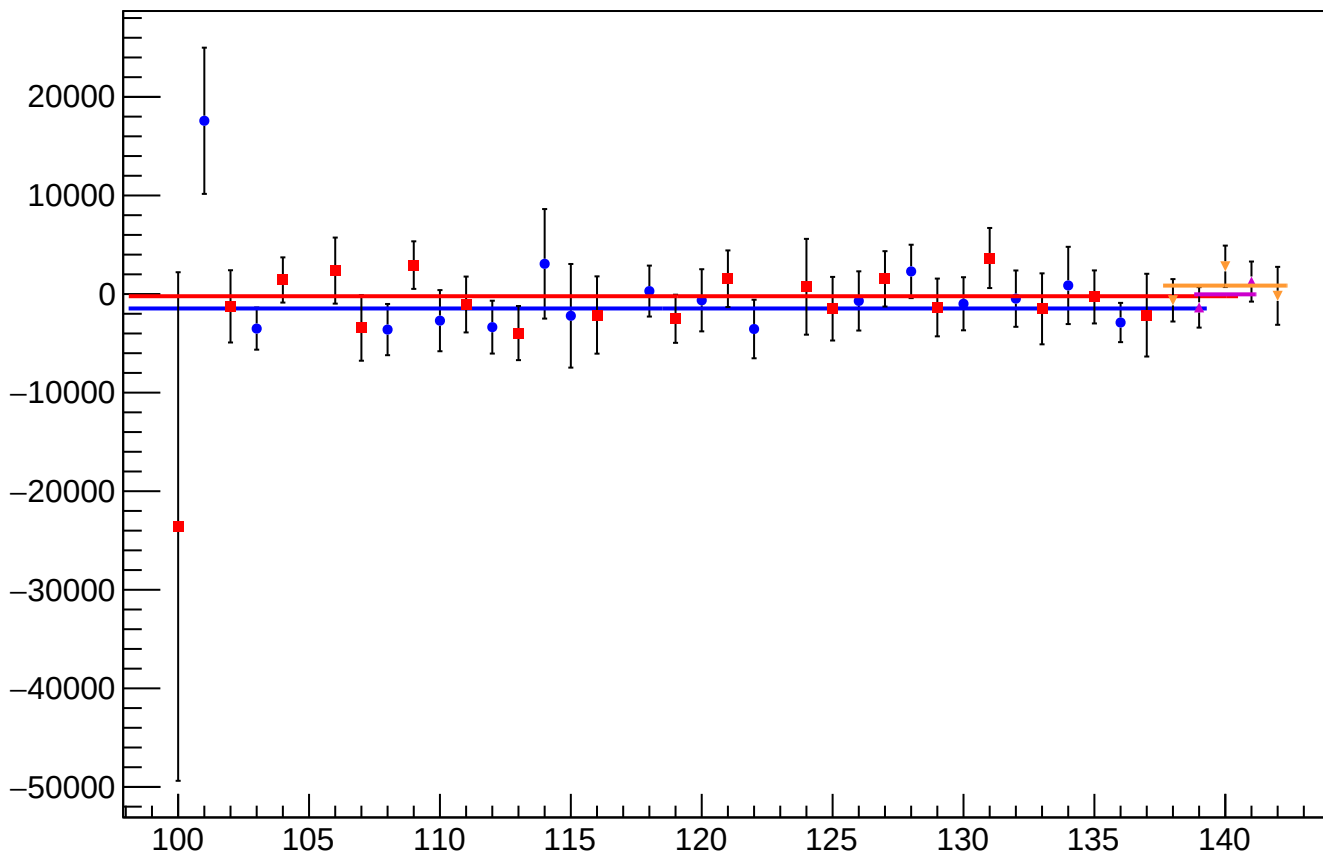
Left In: 3762.420+/-2.040 χ^2/NDF : 42339.6/1

+ sign 3749.288+/-0.897 χ^2/NDF : 1003644.4/18

All: 3708.283+/-0.632 χ^2/NDF : 2177762.7/39

- sign 3667.919+/-0.890 χ^2/NDF : 1169972.7/20

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640 ± 728.274 χ^2/NDF : 13.6/15

Left Out: 857.583 ± 1338.582 χ^2/NDF : 1.5/2

Right Out: -219.726 ± 708.852 χ^2/NDF : 10.8/18

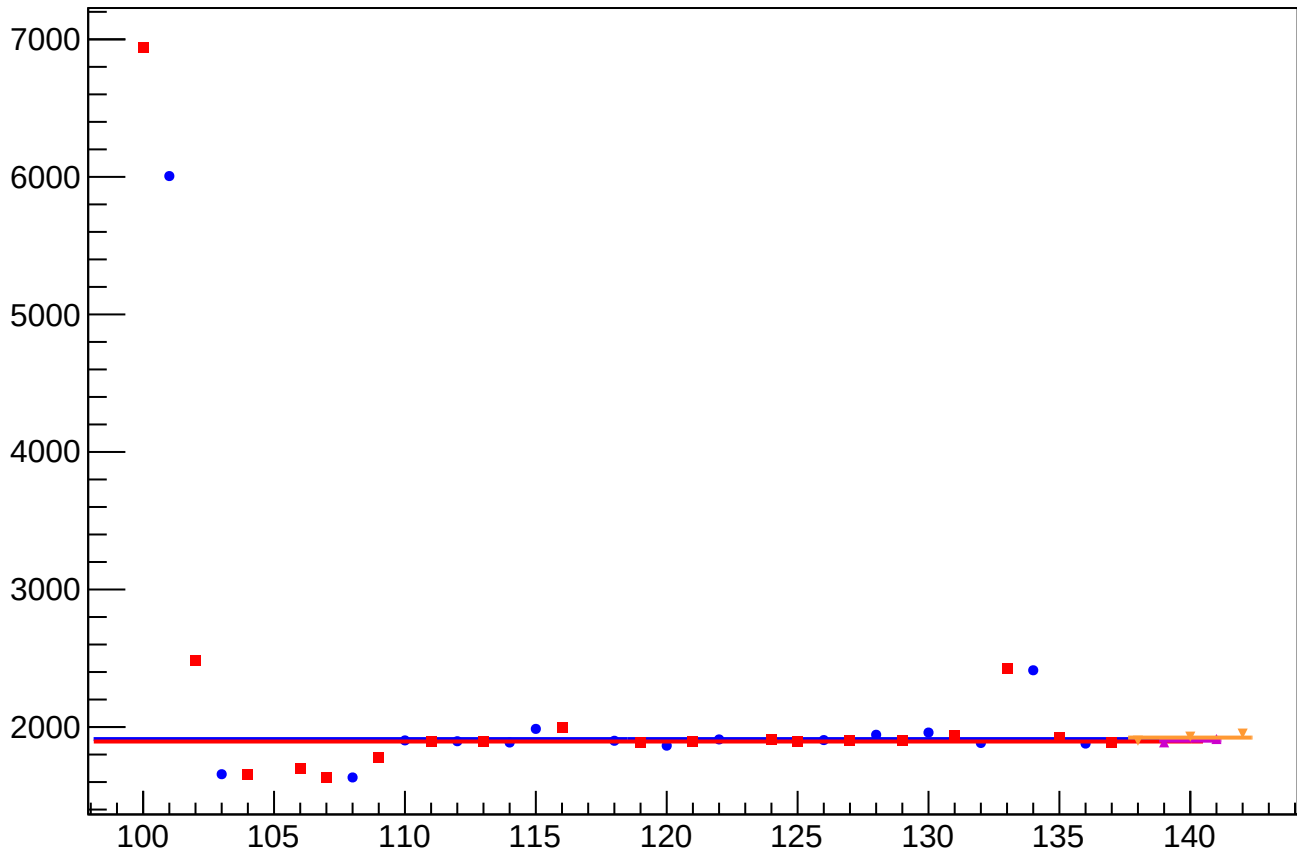
Left In: -29.598 ± 1444.584 χ^2/NDF : 0.8/1

+ sign -932.705 ± 639.722 χ^2/NDF : 17.4/18

All: -555.796 ± 451.161 χ^2/NDF : 29.7/39

- sign -182.830 ± 636.367 χ^2/NDF : 11.6/20

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF : 696220.3/15

Left Out: 1923.282+/-0.947 χ^2/NDF : 437.3/2

Right Out: 1894.765+/-0.501 χ^2/NDF : 219781.5/18

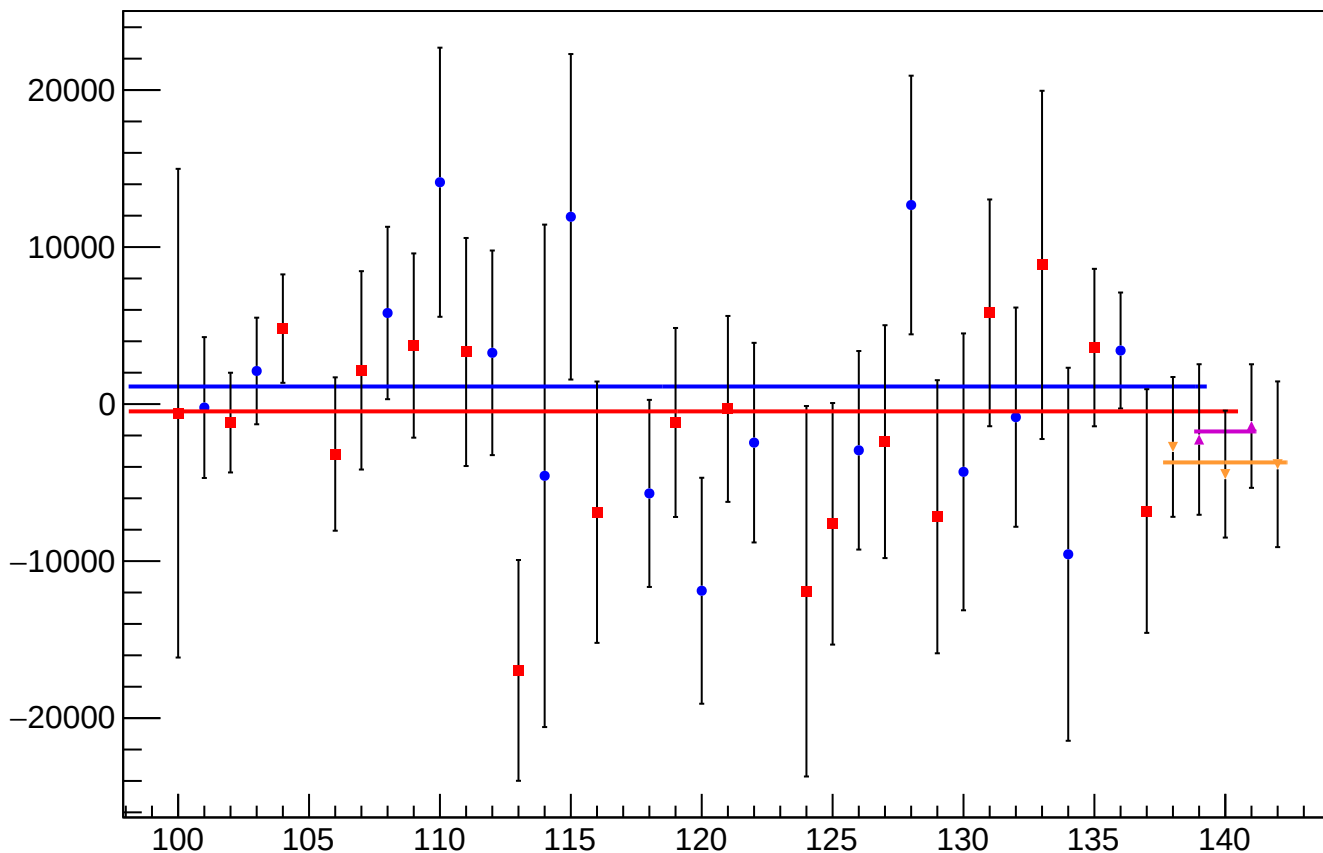
Left In: 1900.960+/-1.021 χ^2/NDF : 140.9/1

+ sign 1914.869+/-0.452 χ^2/NDF : 696759.9/18

All: 1905.359+/-0.319 χ^2/NDF : 917590.4/39

- sign 1895.965+/-0.450 χ^2/NDF : 219952.0/20

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF : 13.5/15

Left Out: -3714.871+/-2603.273 χ^2/NDF : 0.1/2

Right Out: -464.368+/-1370.818 χ^2/NDF : 15.0/18

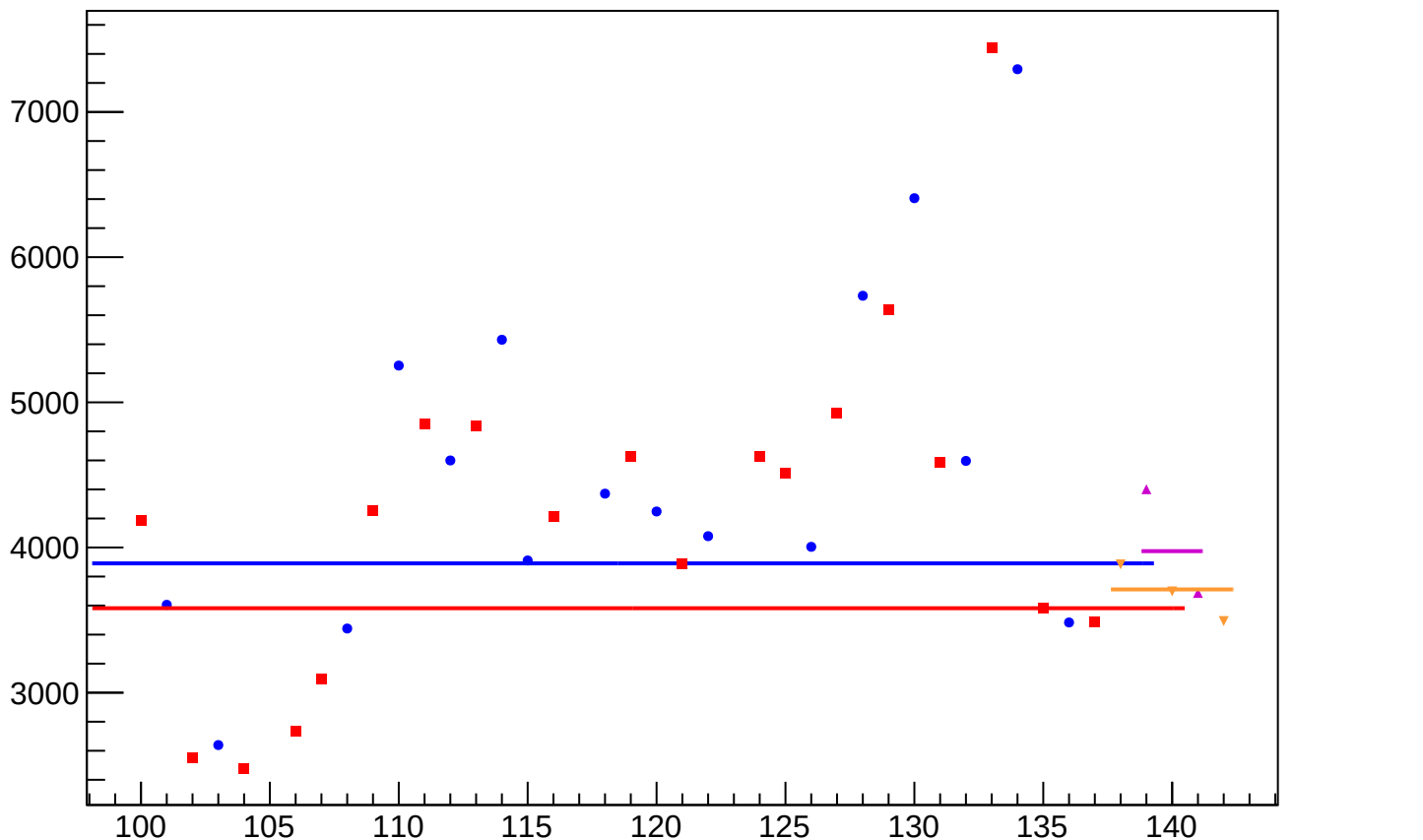
Left In: -1743.623+/-3041.882 χ^2/NDF : 0.0/1

+ sign -82.158+/-1298.170 χ^2/NDF : 16.1/18

All: -392.591+/-900.347 χ^2/NDF : 31.4/39

- sign -680.309+/-1249.775 χ^2/NDF : 15.2/20

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708 ± 1.059 $\chi^2/\text{NDF}: 878418.2/15$

Left Out: 3711.330 ± 1.841 $\chi^2/\text{NDF}: 6443.0/2$

+ sign 3846.102 ± 0.918 $\chi^2/\text{NDF}: 891995.6/18$

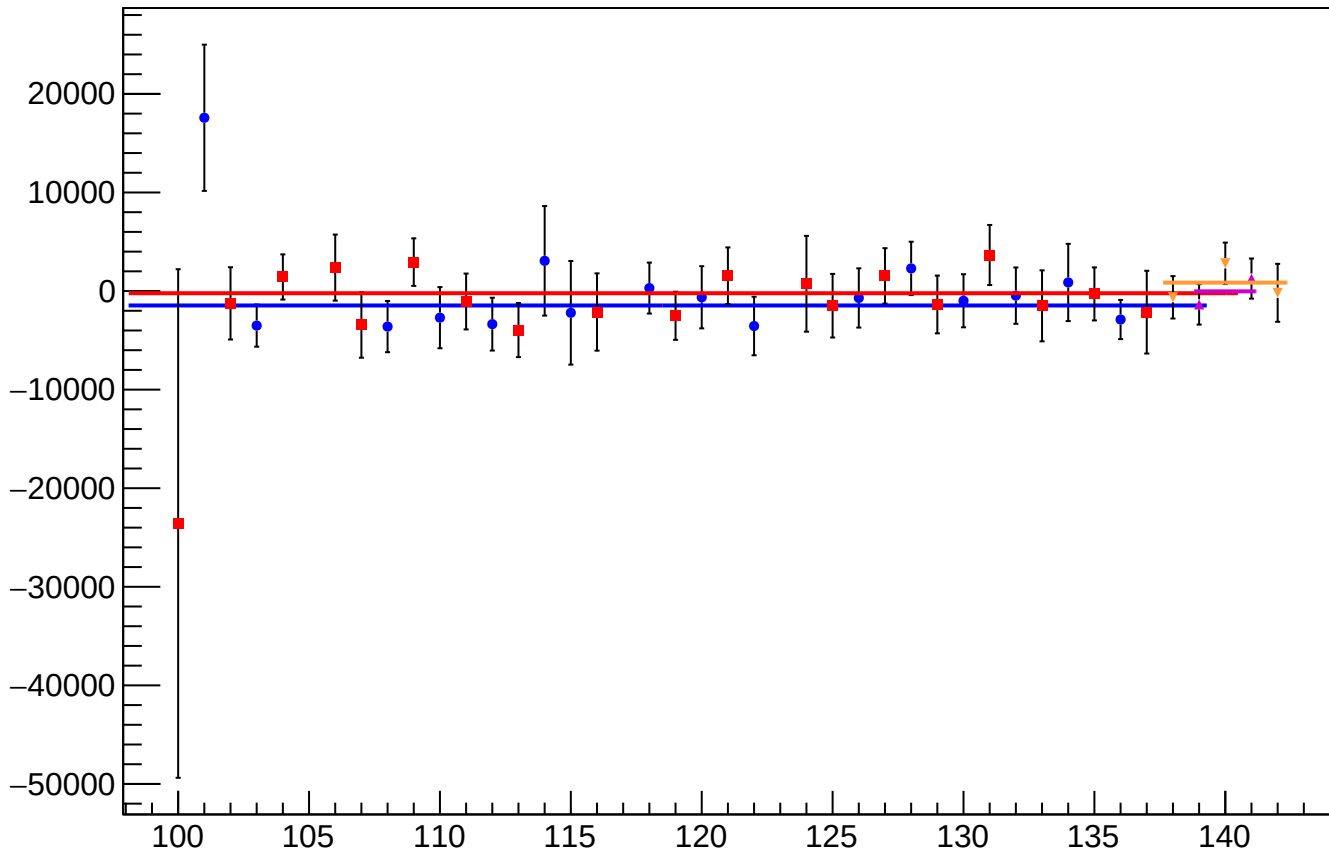
Right Out: 3581.780 ± 0.969 $\chi^2/\text{NDF}: 1221855.2/18$

All: 3743.369 ± 0.637 $\chi^2/\text{NDF}: 2192293.3/39$

- sign 3648.153 ± 0.884 $\chi^2/\text{NDF}: 1276163.5/20$

Left In: 3974.975 ± 2.151 $\chi^2/\text{NDF}: 26532.6/1$

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646 ± 728.274 χ^2/NDF : 13.6/15

Left Out: 857.577 ± 1338.582 χ^2/NDF : 1.5/2

Right Out: -219.720 ± 708.852 χ^2/NDF : 10.8/18

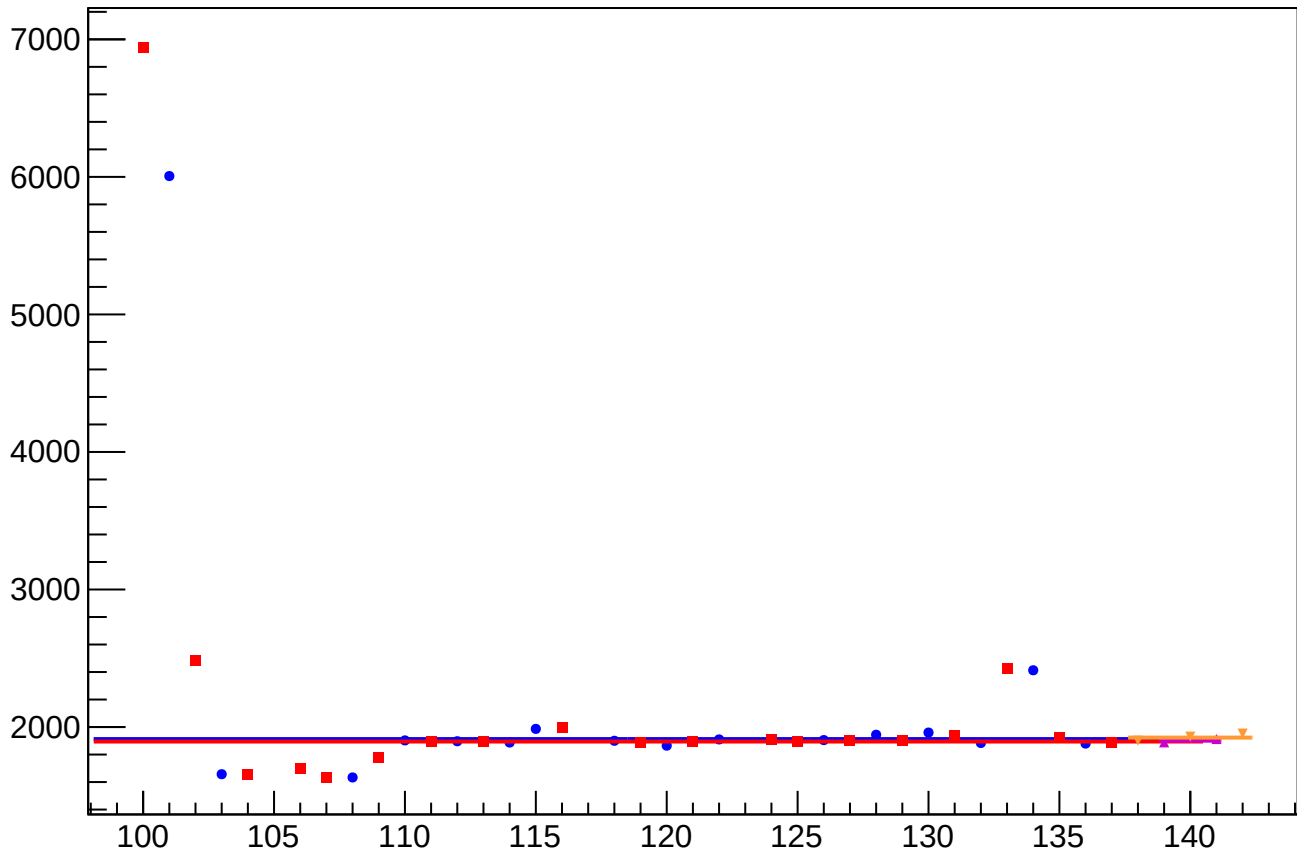
Left In: -29.615 ± 1444.584 χ^2/NDF : 0.8/1

+ sign -932.711 ± 639.722 χ^2/NDF : 17.4/18

All: -555.798 ± 451.161 χ^2/NDF : 29.7/39

- sign -182.829 ± 636.367 χ^2/NDF : 11.6/20

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF : 696220.1/15

Left Out: 1923.282+/-0.947 χ^2/NDF : 437.3/2

Right Out: 1894.765+/-0.501 χ^2/NDF : 219781.5/18

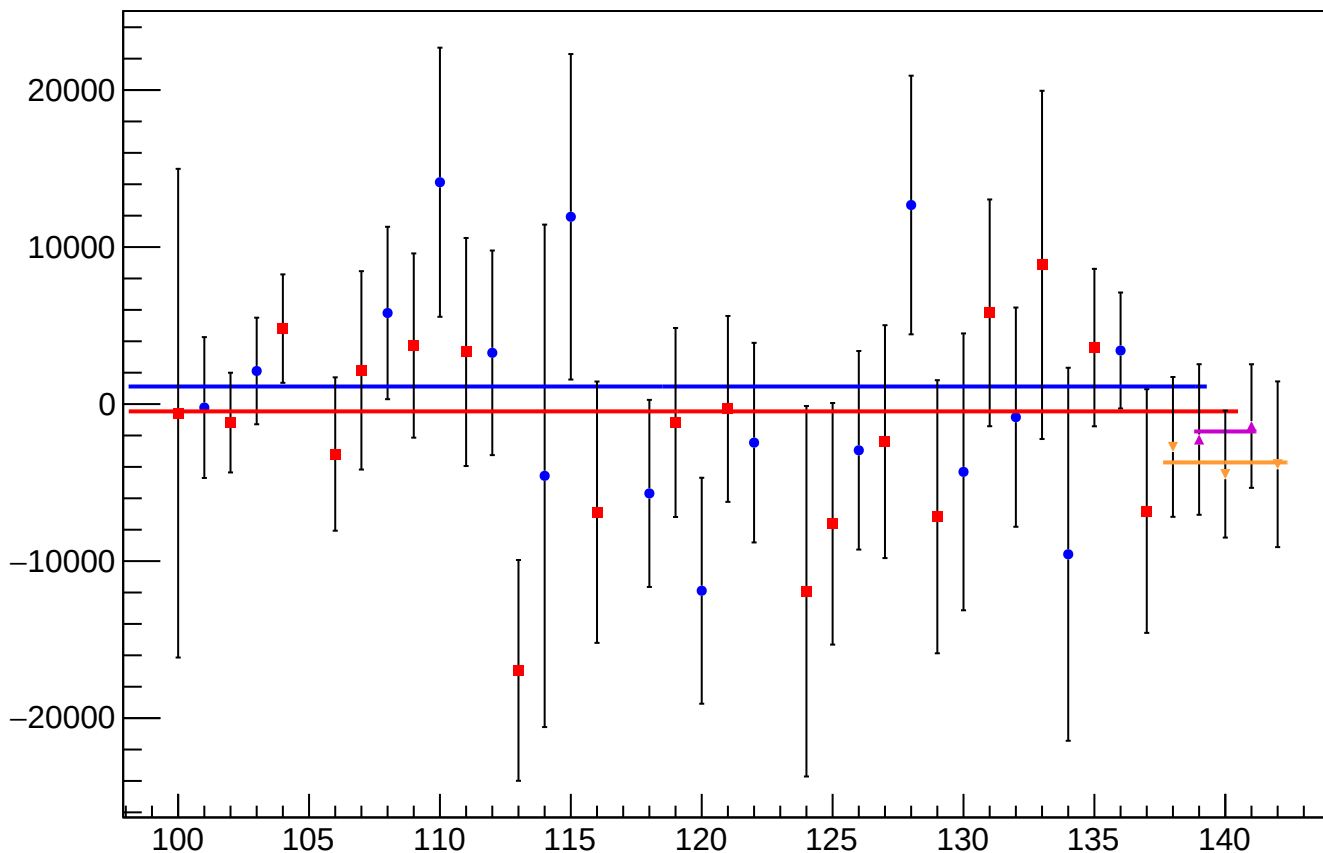
Left In: 1900.961+/-1.021 χ^2/NDF : 140.8/1

+ sign 1914.869+/-0.452 χ^2/NDF : 696759.8/18

All: 1905.359+/-0.319 χ^2/NDF : 917590.3/39

- sign 1895.965+/-0.450 χ^2/NDF : 219952.0/20

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: 1120.159+/-1497.669 χ^2/NDF : 13.5/15

Left Out: -3714.880+/-2603.275 χ^2/NDF : 0.1/2

Right Out: -464.367+/-1370.817 χ^2/NDF : 15.0/18

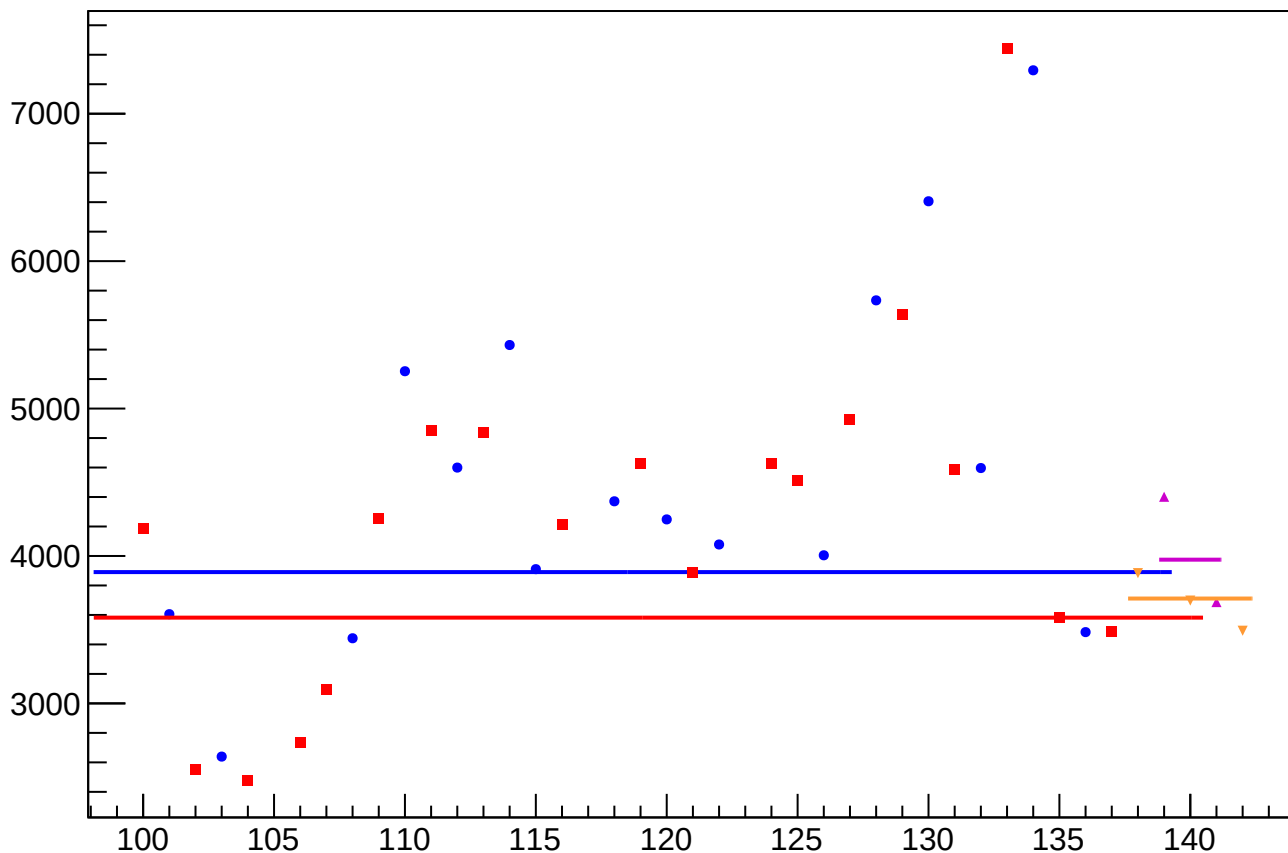
Left In: -1743.640+/-3041.884 χ^2/NDF : 0.0/1

+ sign -82.168+/-1298.169 χ^2/NDF : 16.1/18

All: -392.597+/-900.347 χ^2/NDF : 31.4/39

- sign -680.311+/-1249.774 χ^2/NDF : 15.2/20

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705 ± 1.059 χ^2/NDF : 878409.2/15

Left Out: 3711.332 ± 1.841 χ^2/NDF : 6443.3/2

Right Out: 3581.777 ± 0.969 χ^2/NDF : 1221846.6/18

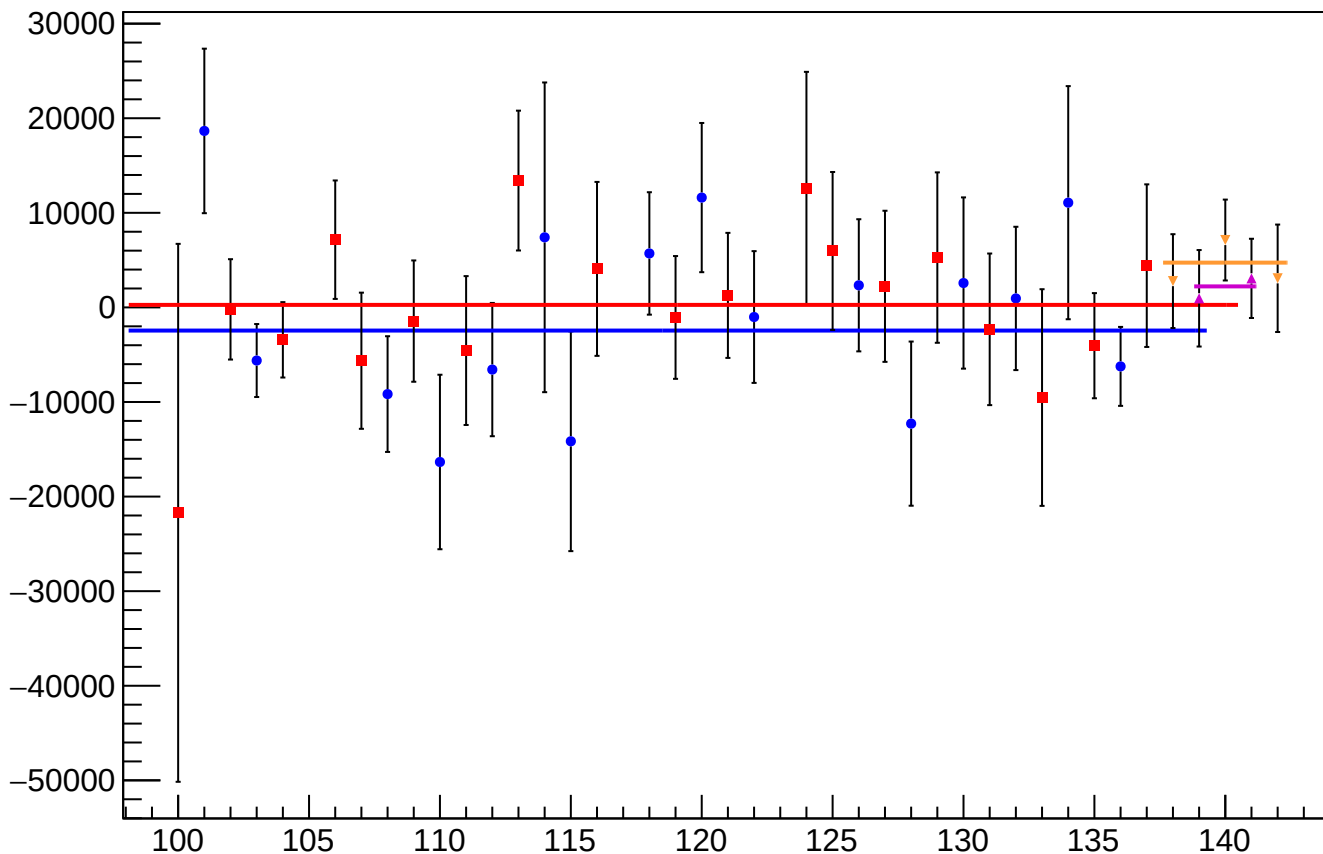
Left In: 3974.978 ± 2.151 χ^2/NDF : 26533.5/1

+ sign 3846.101 ± 0.918 χ^2/NDF : 891986.6/18

All: 3743.367 ± 0.637 χ^2/NDF : 2192277.6/39

- sign 3648.150 ± 0.884 χ^2/NDF : 1276156.6/20

asym_atr_dd_mean vs Slug



Right In: -2448.262 $\pm$ 1719.694 χ^2 /NDF: 20.9/15

Left Out: 4733.653 $\pm$ 2813.171 χ^2 /NDF: 0.6/2

Right Out: 265.886 $\pm$ 1622.574 χ^2 /NDF: 10.7/18

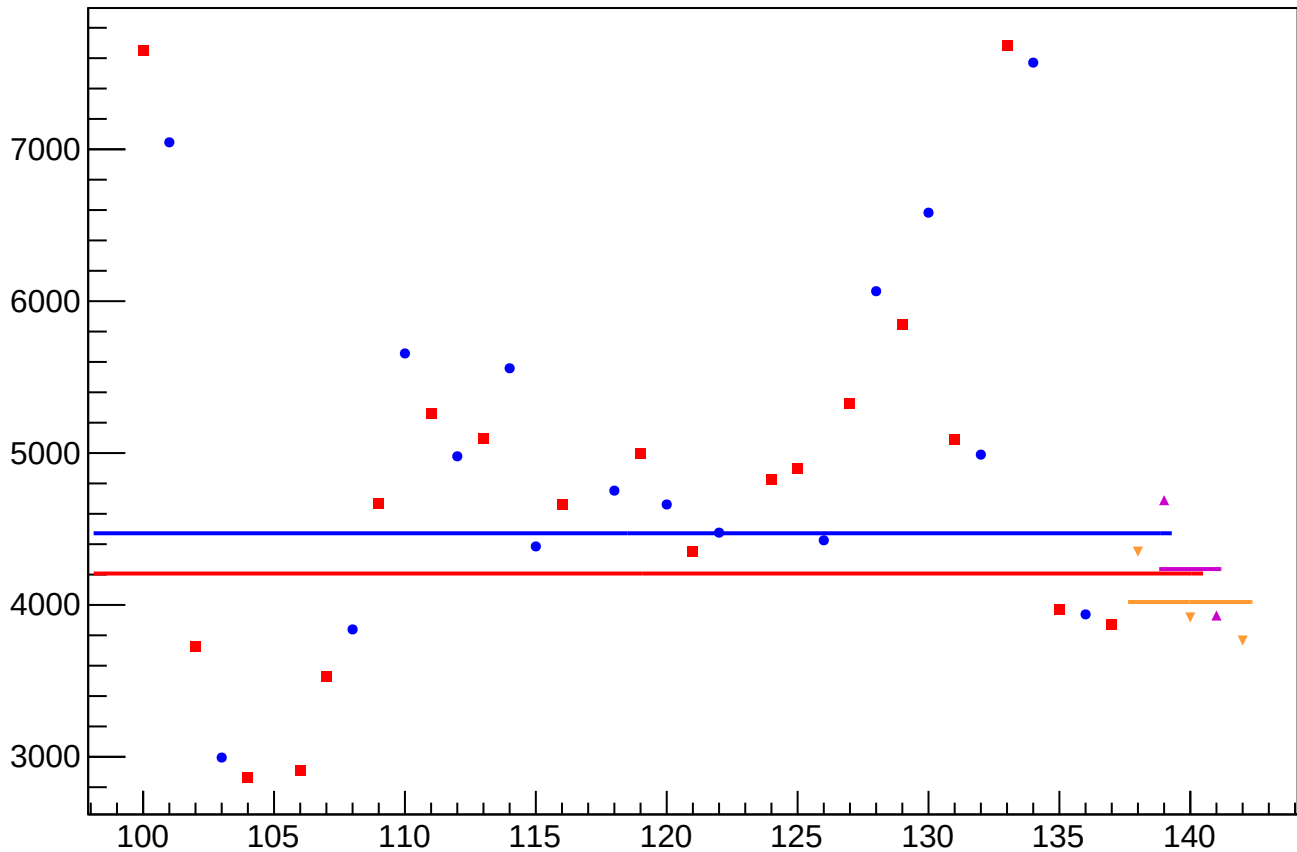
Left In: 2221.307 $\pm$ 3236.870 χ^2 /NDF: 0.1/1

+ sign -494.544 $\pm$ 1467.260 χ^2 /NDF: 26.2/18

All: 88.624 $\pm$ 1031.544 χ^2 /NDF: 37.6/39

- sign 658.571 $\pm$ 1450.532 χ^2 /NDF: 11.1/20

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF : 891678.4/15

Left Out: 4019.518+/-1.989 χ^2/NDF : 14083.4/2

Right Out: 4206.907+/-1.138 χ^2/NDF : 846525.2/18

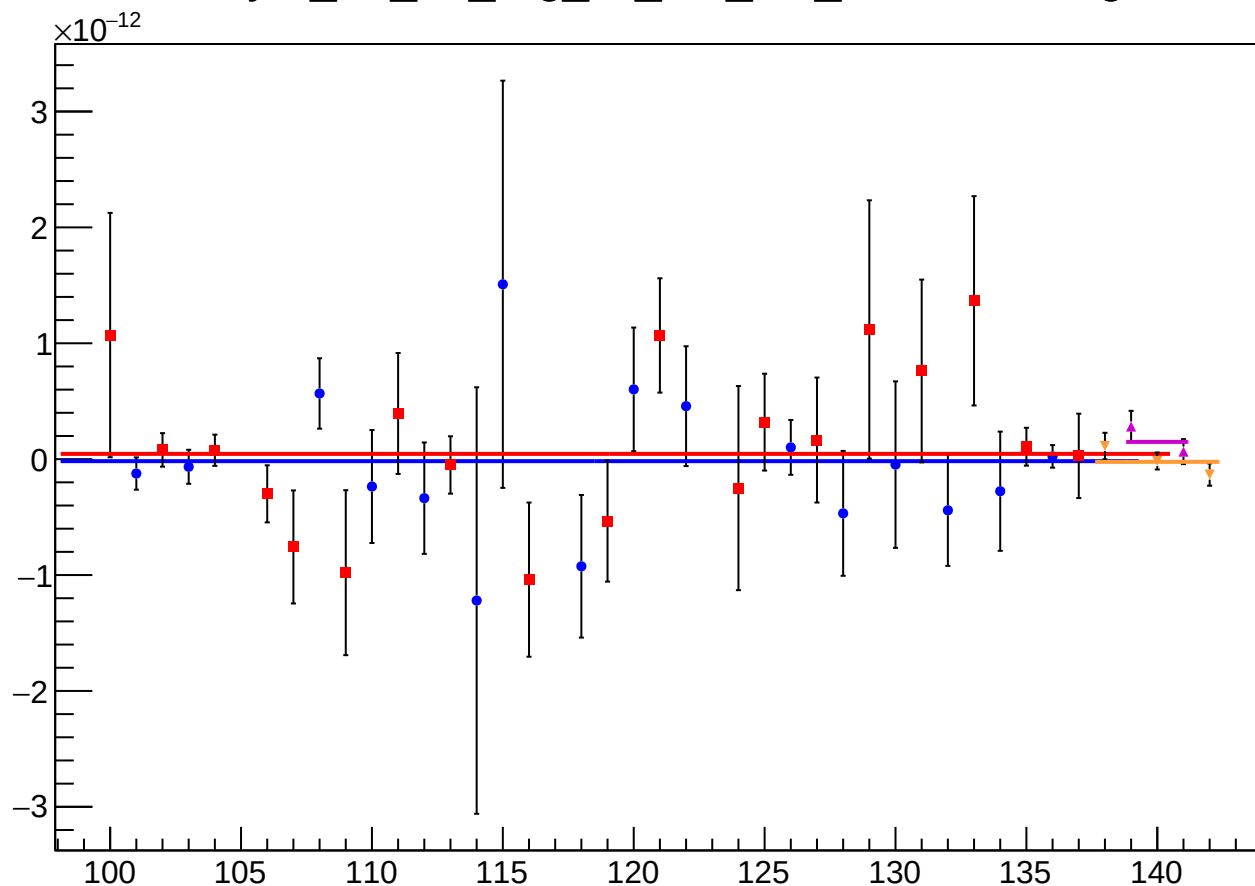
Left In: 4236.270+/-2.289 χ^2/NDF : 26470.1/1

+ sign 4348.840+/-1.038 χ^2/NDF : 943412.1/18

All: 4279.557+/-0.727 χ^2/NDF : 1825300.2/39

- sign 4212.727+/-1.019 χ^2/NDF : 873127.3/20

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 : 2.7/2

Right Out: 0.000+/-0.000 χ^2/NDF : 21.2/18

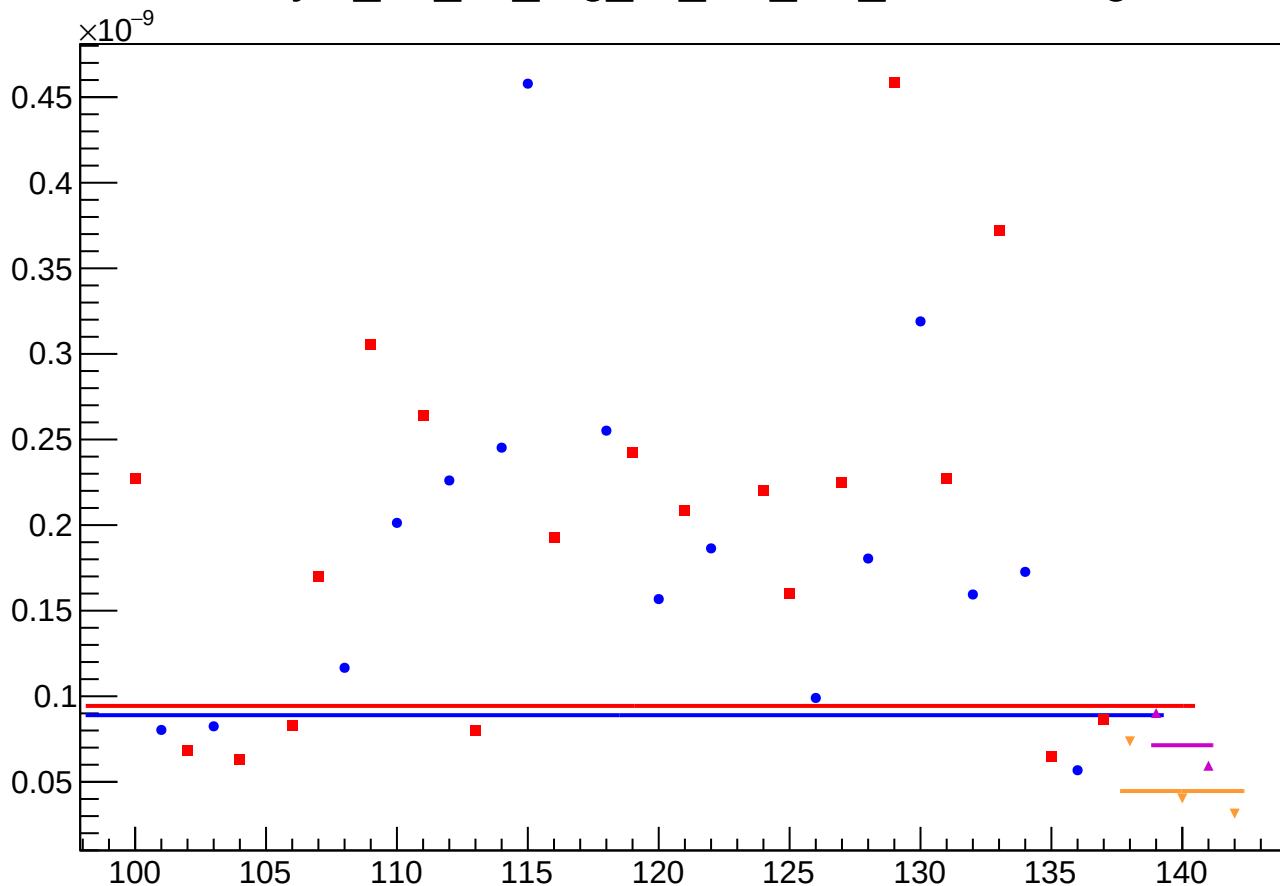
Left In: 0.000+/-0.000 χ^2/NDF : 1.6/1

+ sign -0.000+/-0.000 χ^2/NDF : 15.5/18

All: 0.000+/-0.000 χ^2/NDF : 41.8/39

- sign 0.000+/-0.000 χ^2/NDF : 23.7/20

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 : 173639.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1695078.0/18

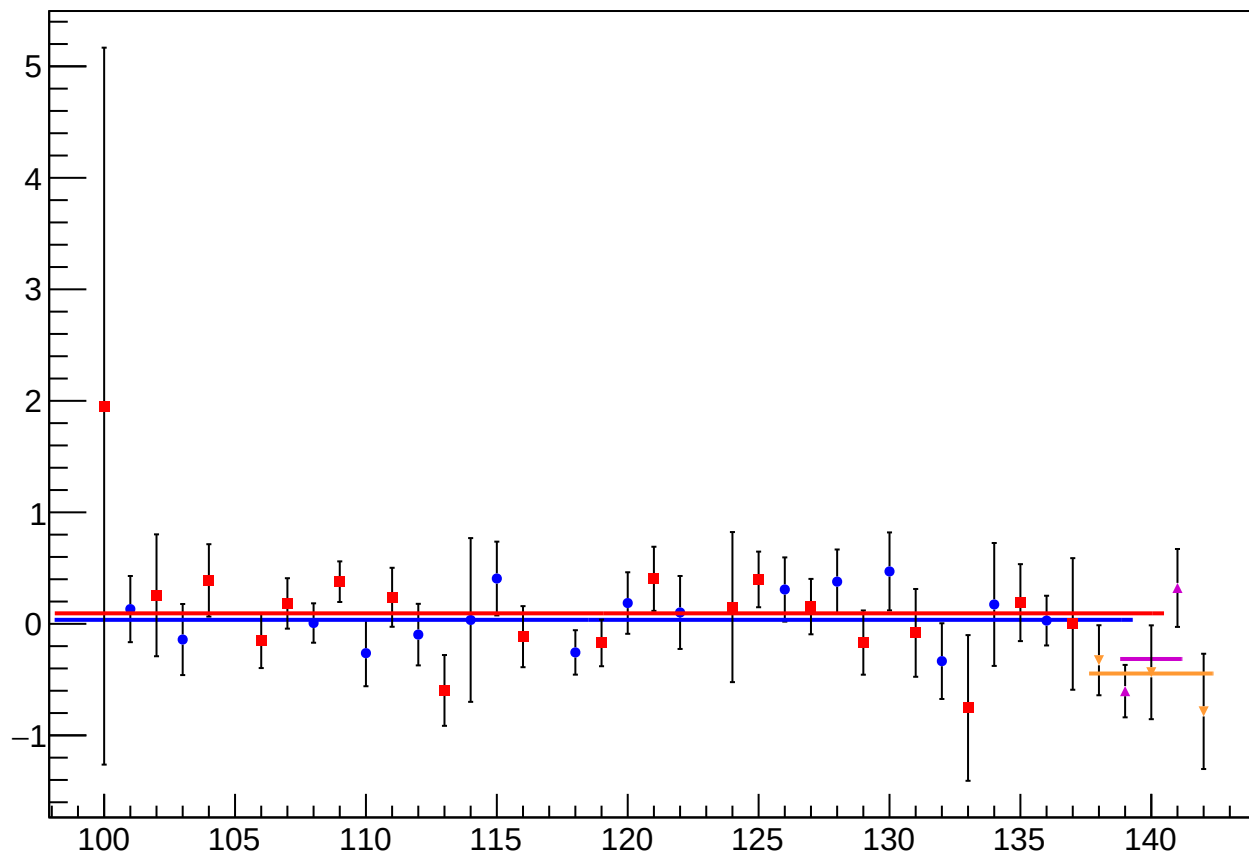
Left In: 0.000+/-0.000 χ^2/NDF : 63307.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 2010842.5/18

All: 0.000+/-0.000 χ^2/NDF : 4084322.2/39

- sign 0.000+/-0.000 χ^2/NDF : 1848114.8/20

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 ± 0.071 χ^2/NDF : 10.5/15

Left Out: -0.445 ± 0.226 χ^2/NDF : 0.6/2

Right Out: 0.094 ± 0.068 χ^2/NDF : 17.6/18

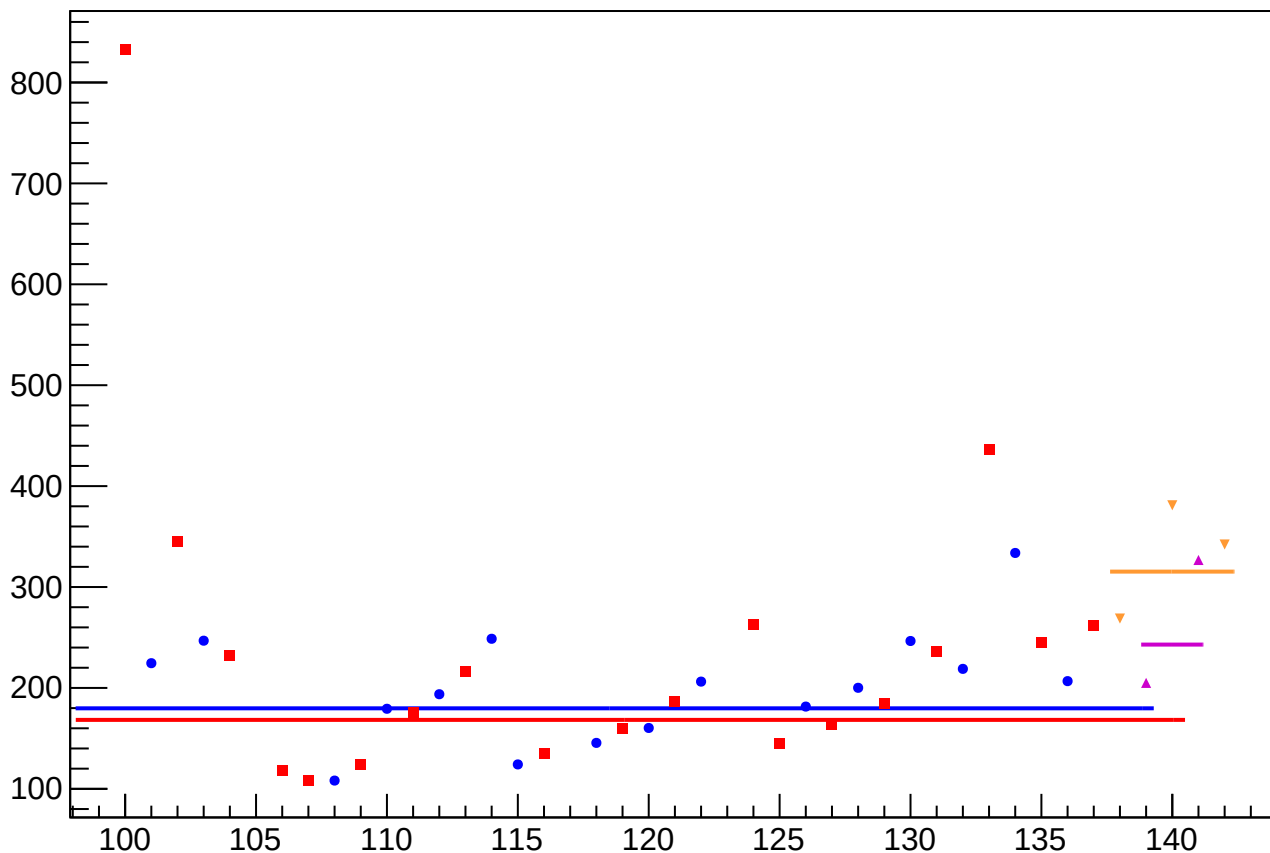
Left In: -0.315 ± 0.195 χ^2/NDF : 4.8/1

+ sign -0.007 ± 0.067 χ^2/NDF : 15.2/18

All: 0.023 ± 0.046 χ^2/NDF : 42.0/39

- sign 0.050 ± 0.064 χ^2/NDF : 26.4/20

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: 315.276 $\pm$ 0.160 χ^2/NDF : 98075.2/2

Right Out: 168.334 $\pm$ 0.048 χ^2/NDF : 1409290.2/18

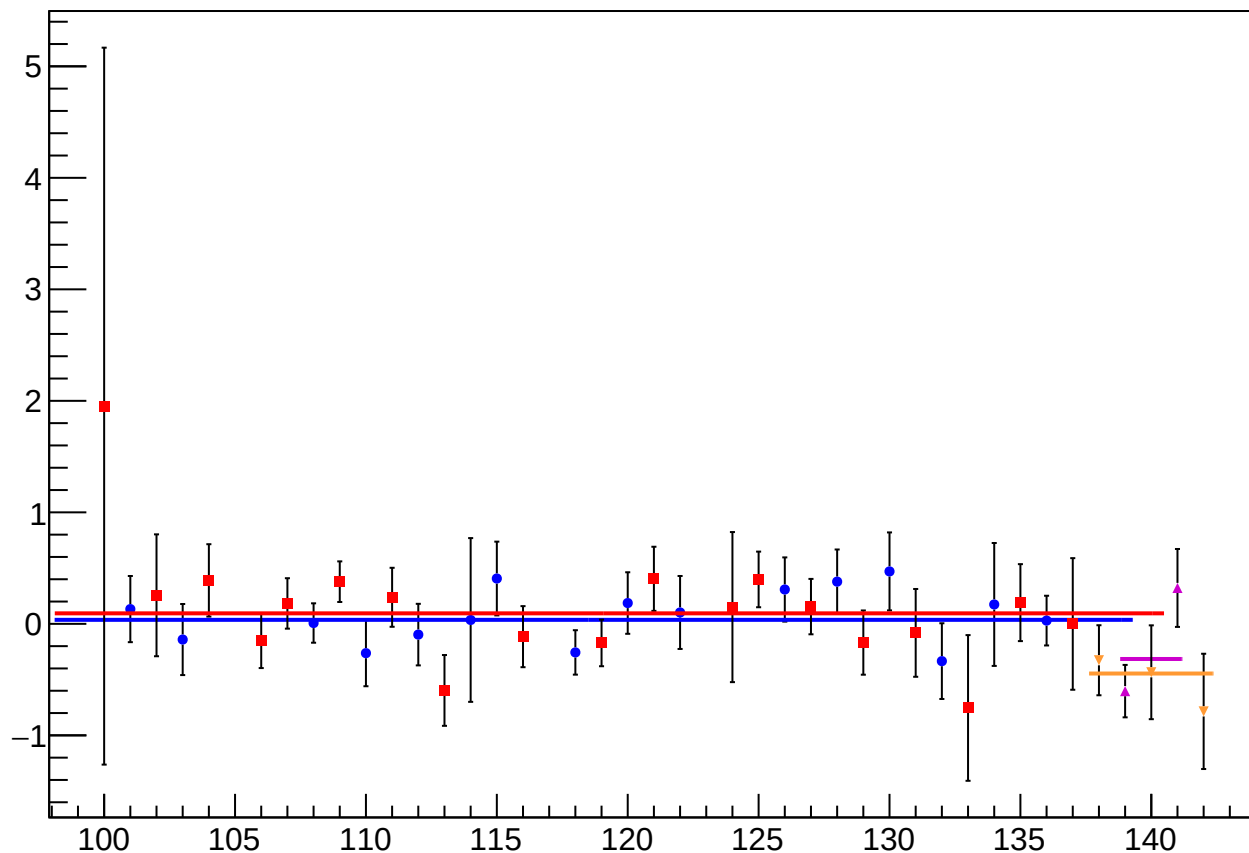
Left In: 242.956 $\pm$ 0.138 χ^2/NDF : 167259.3/1

+ sign 191.809 $\pm$ 0.048 χ^2/NDF : 1670087.0/18

All: 183.667 $\pm$ 0.033 χ^2/NDF : 3563436.6/39

- sign 176.343 $\pm$ 0.045 χ^2/NDF : 1837870.4/20

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.071 χ^2 /NDF: 10.5/15

Left Out: -0.445 $\pm$ 0.226 χ^2 /NDF: 0.6/2

Right Out: 0.094 $\pm$ 0.068 χ^2 /NDF: 17.6/18

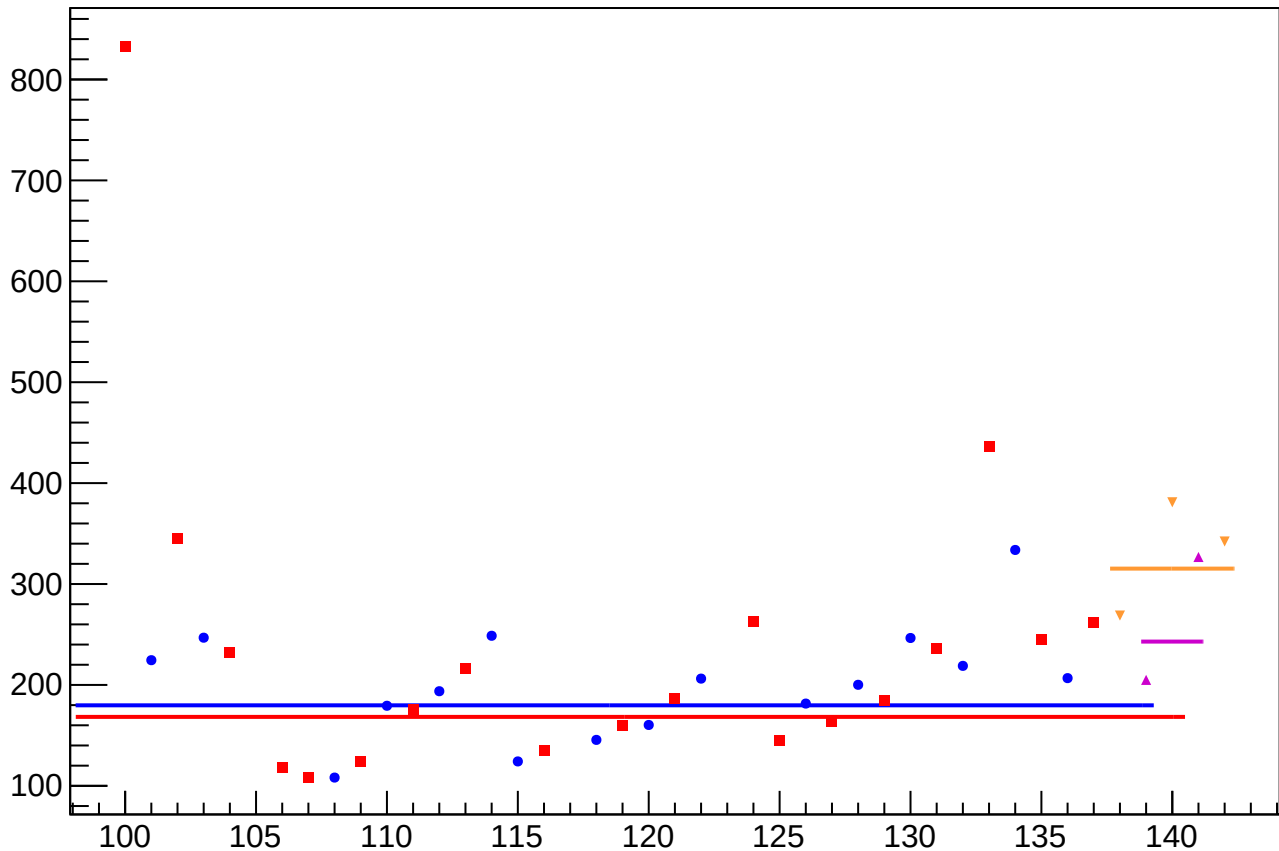
Left In: -0.315 $\pm$ 0.195 χ^2 /NDF: 4.8/1

+ sign -0.007 $\pm$ 0.067 χ^2 /NDF: 15.2/18

All: 0.023 $\pm$ 0.046 χ^2 /NDF: 42.0/39

- sign 0.050 $\pm$ 0.064 χ^2 /NDF: 26.4/20

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: 315.276 $\pm$ 0.160 χ^2 /NDF: 98075.2/2

Right Out: 168.334 $\pm$ 0.048 χ^2 /NDF: 1409290.2/18

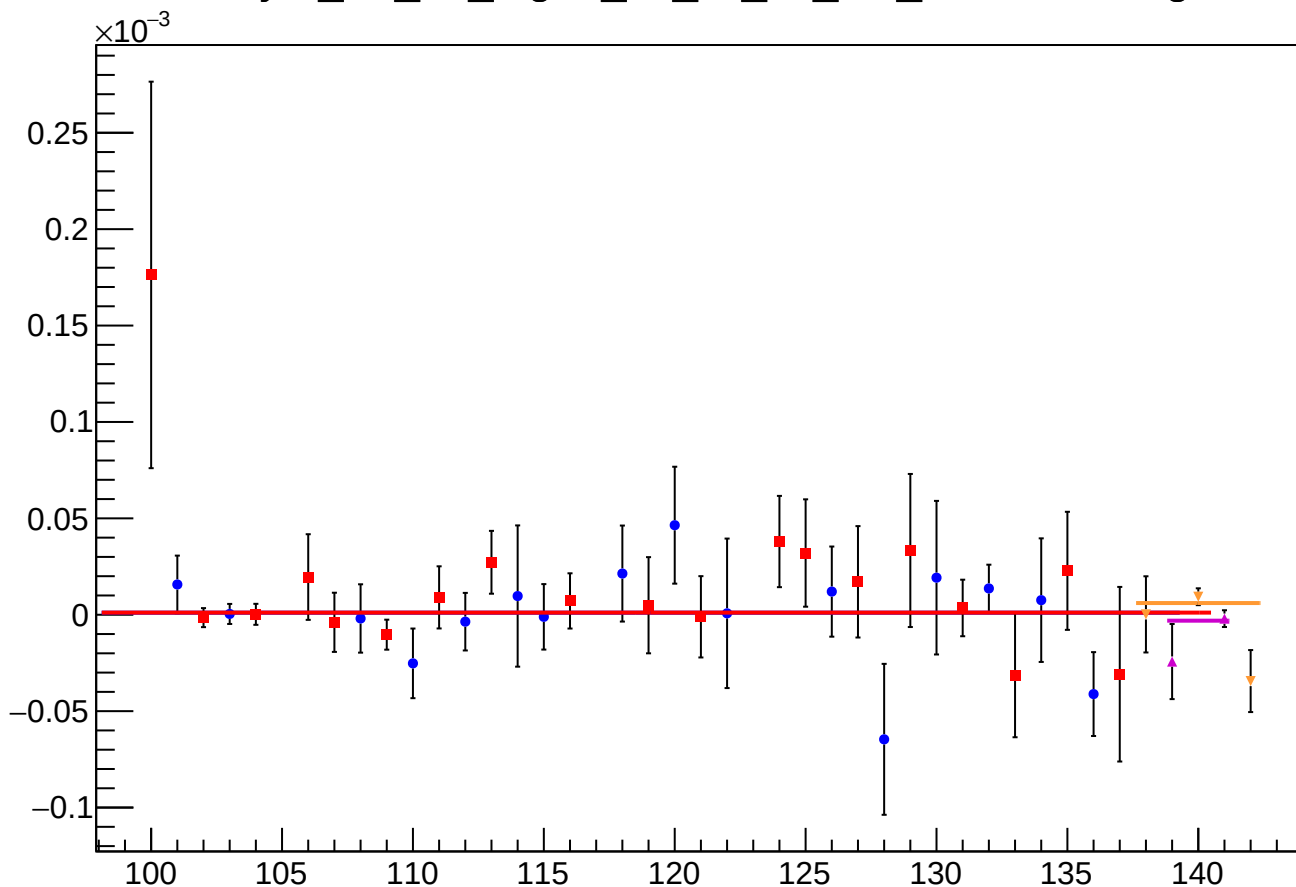
Left In: 242.956 $\pm$ 0.138 χ^2 /NDF: 167259.3/1

+ sign 191.809 $\pm$ 0.048 χ^2 /NDF: 1670087.0/18

All: 183.667 $\pm$ 0.033 χ^2 /NDF: 3563436.6/39

- sign 176.343 $\pm$ 0.045 χ^2 /NDF: 1837870.4/20

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: 7.0/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

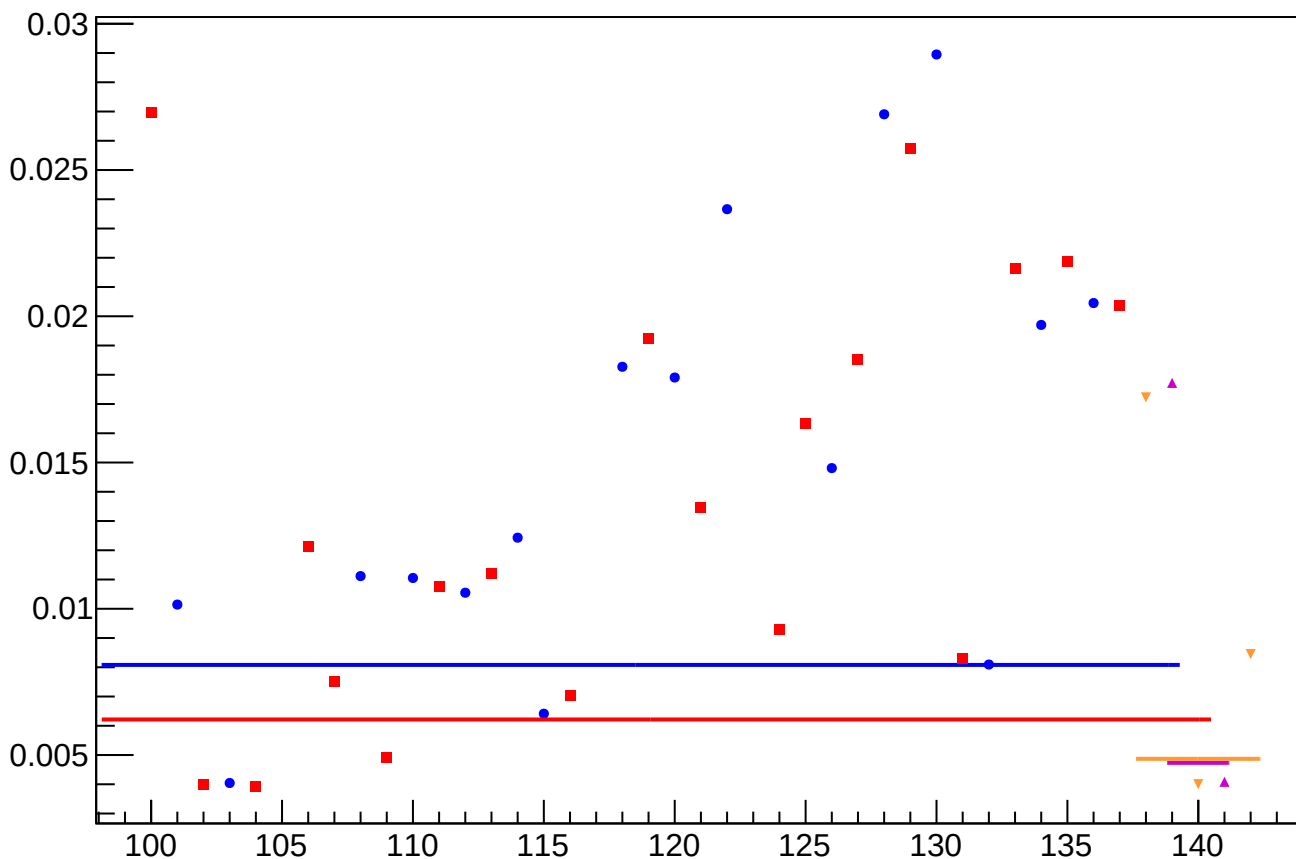
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.1/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.9/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/20

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 4413462.8/15

Left Out: 0.005+/-0.000 χ^2/NDF :960336.6/2

Right Out: 0.006+/-0.000 χ^2/NDF : 4560988.3/18

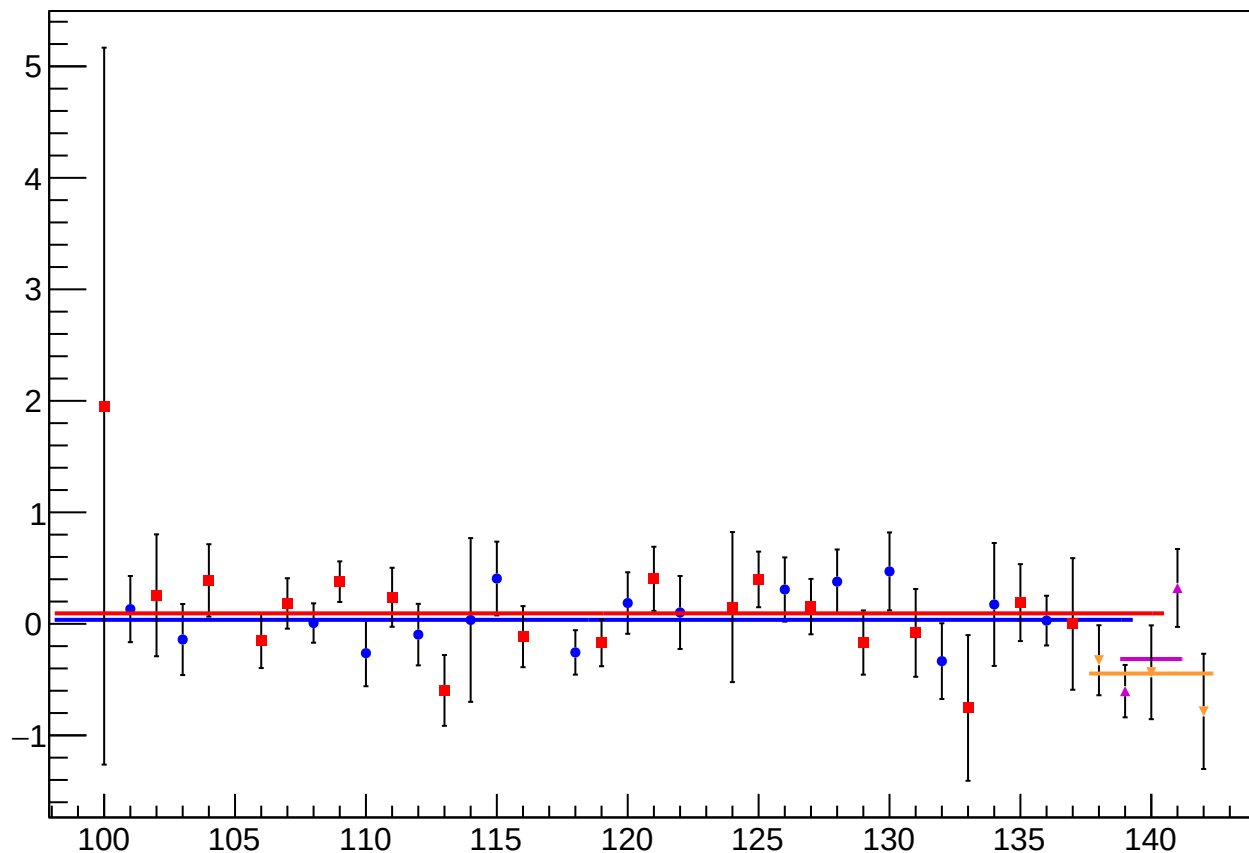
Left In: 0.005+/-0.000 χ^2/NDF :933943.9/1

+ sign 0.007+/-0.000 χ^2/NDF : 6043538.6/18

All: 0.006+/-0.000 χ^2/NDF : 11825828.8/39

- sign 0.006+/-0.000 χ^2/NDF : 5664094.8/20

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.071 χ^2 /NDF: 10.5/15

Left Out: -0.446 $\pm$ 0.226 χ^2 /NDF: 0.6/2

Right Out: 0.094 $\pm$ 0.068 χ^2 /NDF: 17.6/18

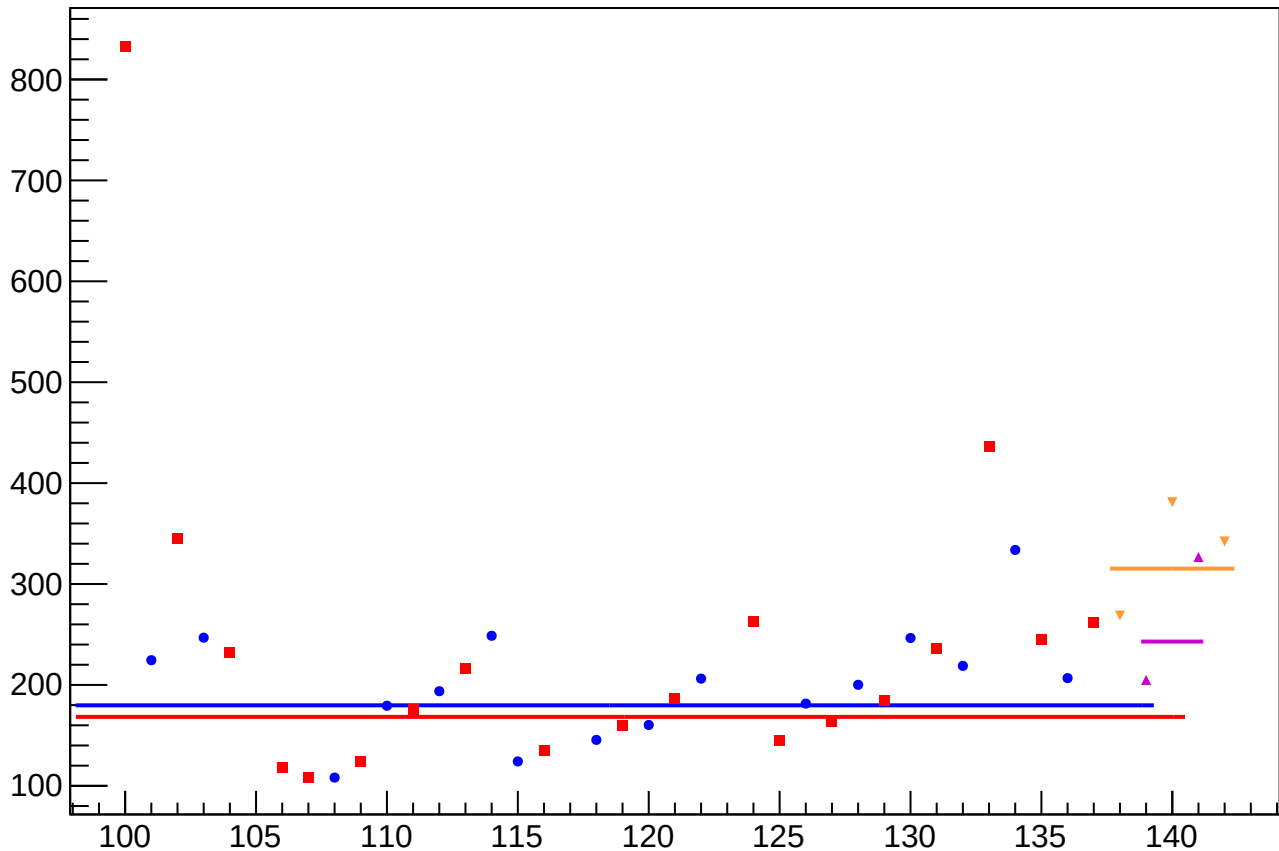
Left In: -0.315 $\pm$ 0.195 χ^2 /NDF: 4.8/1

+ sign -0.007 $\pm$ 0.067 χ^2 /NDF: 15.2/18

All: 0.023 $\pm$ 0.046 χ^2 /NDF: 42.0/39

- sign 0.050 $\pm$ 0.064 χ^2 /NDF: 26.4/20

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.793 $\pm$ 0.050 χ^2 /NDF: 918583.7/15

Left Out: 315.279 $\pm$ 0.160 χ^2 /NDF:98063.2/2

Right Out: 168.334 $\pm$ 0.048 χ^2 /NDF: 1409289.2/18

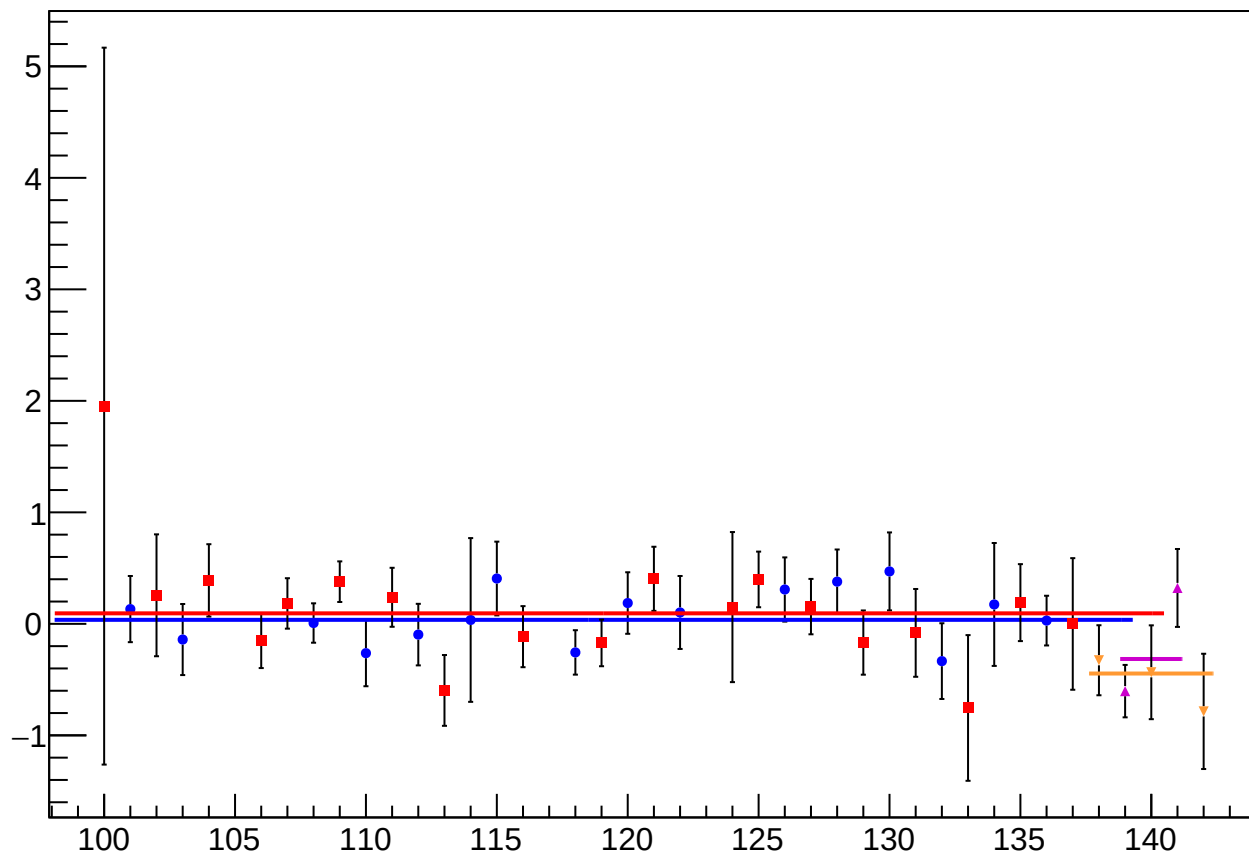
Left In: 242.959 $\pm$ 0.138 χ^2 /NDF:167244.4/1

+ sign 191.807 $\pm$ 0.048 χ^2 /NDF: 1670169.7/18

All: 183.666 $\pm$ 0.033 χ^2 /NDF: 3563503.8/39

- sign 176.343 $\pm$ 0.045 χ^2 /NDF: 1837872.5/20

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.071 χ^2 /NDF: 10.5/15

Left Out: -0.446 $\pm$ 0.226 χ^2 /NDF: 0.6/2

Right Out: 0.094 $\pm$ 0.068 χ^2 /NDF: 17.6/18

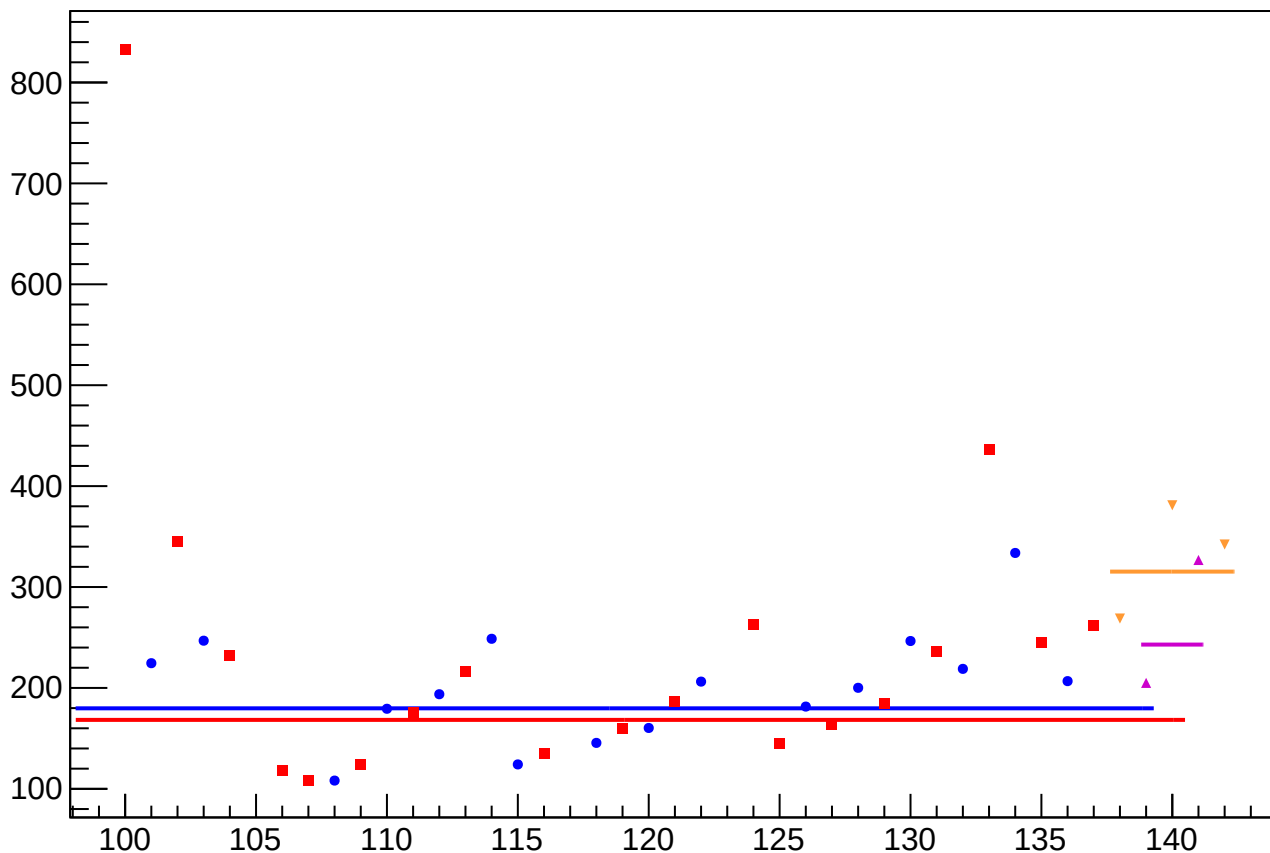
Left In: -0.315 $\pm$ 0.195 χ^2 /NDF: 4.8/1

+ sign -0.007 $\pm$ 0.067 χ^2 /NDF: 15.2/18

All: 0.023 $\pm$ 0.046 χ^2 /NDF: 42.0/39

- sign 0.050 $\pm$ 0.064 χ^2 /NDF: 26.4/20

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.793 $\pm$ 0.050 χ^2 /NDF: 918583.7/15

Left Out: 315.279 $\pm$ 0.160 χ^2 /NDF: 98063.2/2

Right Out: 168.334 $\pm$ 0.048 χ^2 /NDF: 1409289.2/18

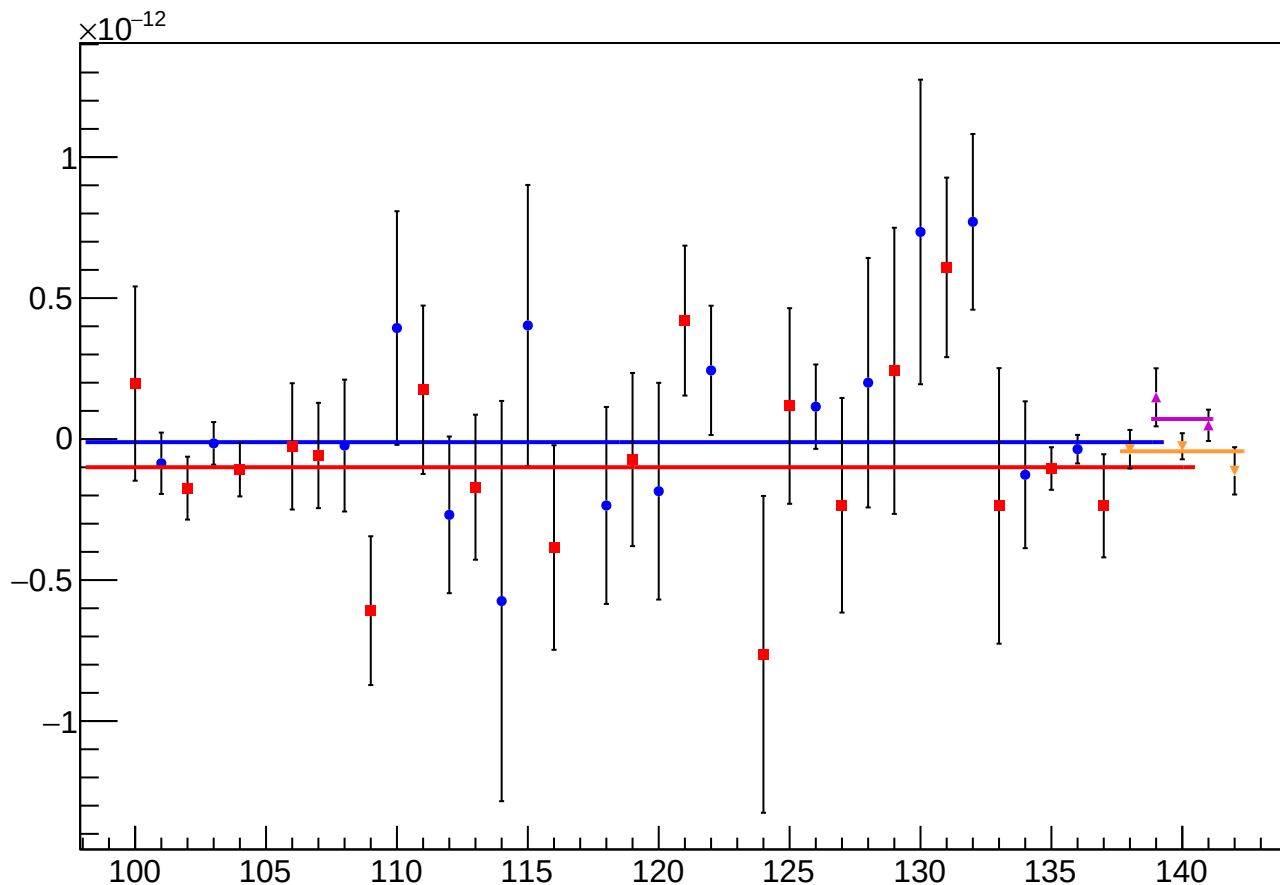
Left In: 242.959 $\pm$ 0.138 χ^2 /NDF: 167244.4/1

+ sign 191.807 $\pm$ 0.048 χ^2 /NDF: 1670169.7/18

All: 183.666 $\pm$ 0.033 χ^2 /NDF: 3563503.8/39

- sign 176.343 $\pm$ 0.045 χ^2 /NDF: 1837872.5/20

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 : 0.8/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

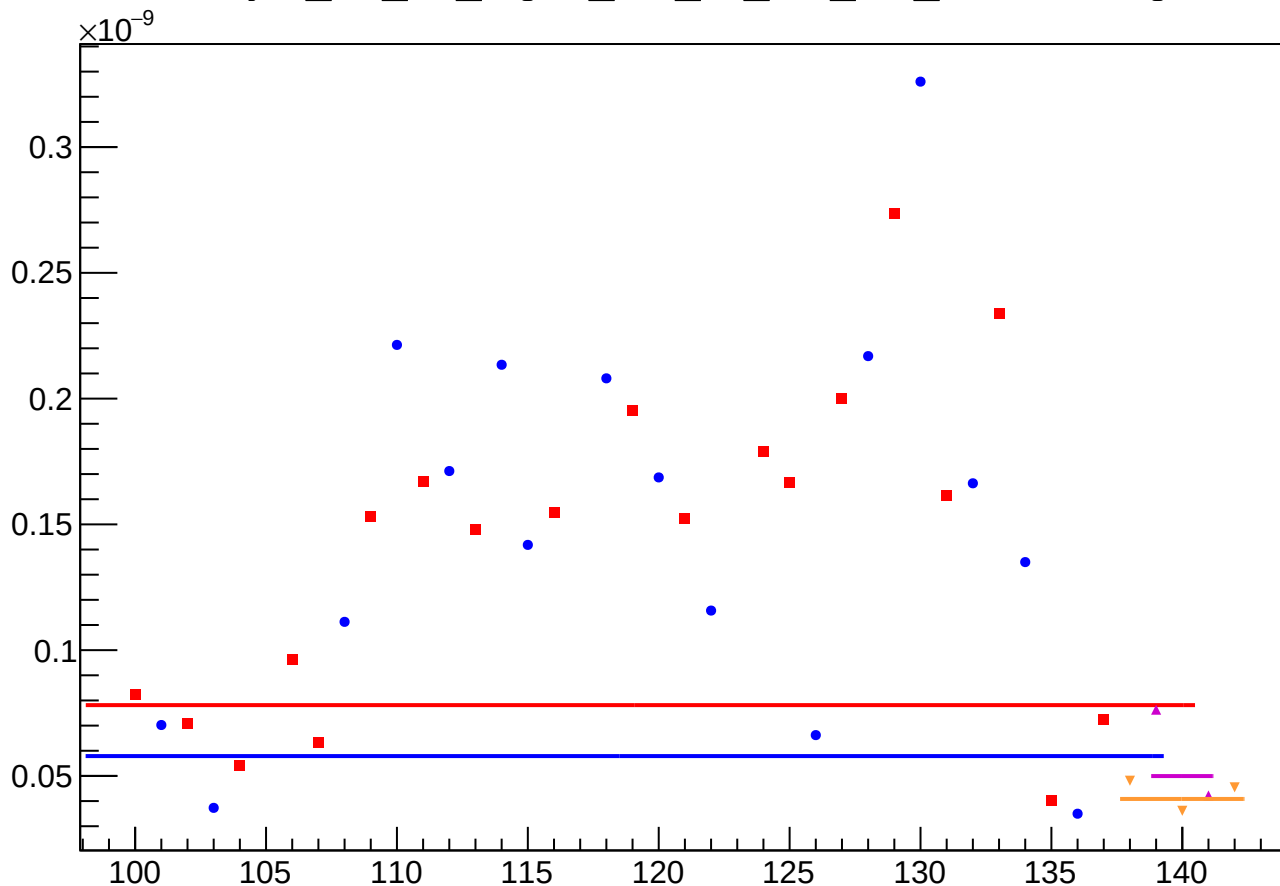
Left In: 0.000 ± 0.000 χ^2/NDF : 0.7/1

+ sign -0.000 ± 0.000 χ^2/NDF : 16.3/18

All: -0.000 ± 0.000 χ^2/NDF : 42.4/39

- sign -0.000 ± 0.000 χ^2/NDF : 26.1/20

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 : 49144.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2732134.4/18

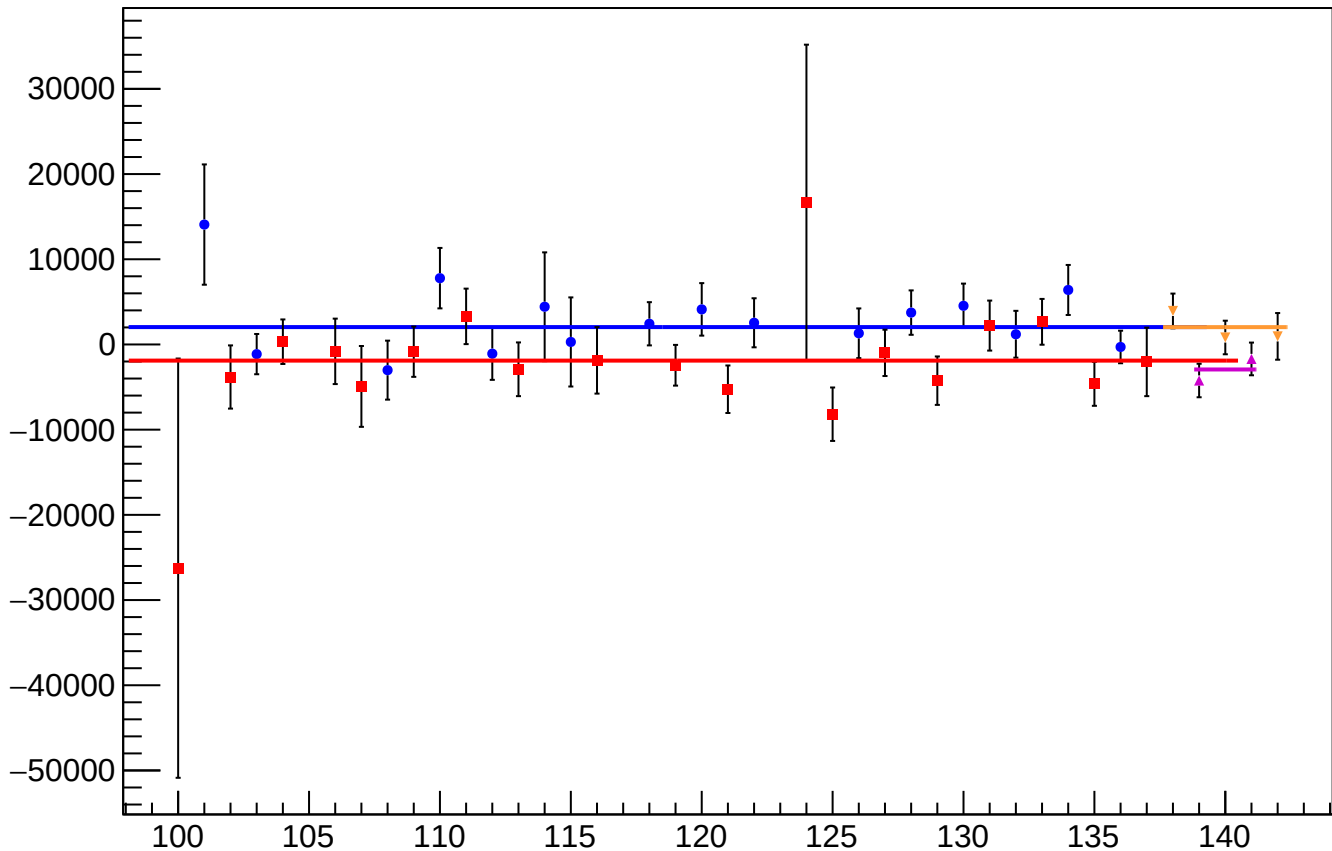
Left In: 0.000+/-0.000 χ^2/NDF : 170056.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 3608400.0/18

All: 0.000+/-0.000 χ^2/NDF : 7240879.6/39

- sign 0.000+/-0.000 χ^2/NDF : 3283883.0/20

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF : 16.4/15

Left Out: 2033.120+/-1258.354 χ^2/NDF : 1.4/2

Right Out: -1895.242+/-736.762 χ^2/NDF : 18.5/18

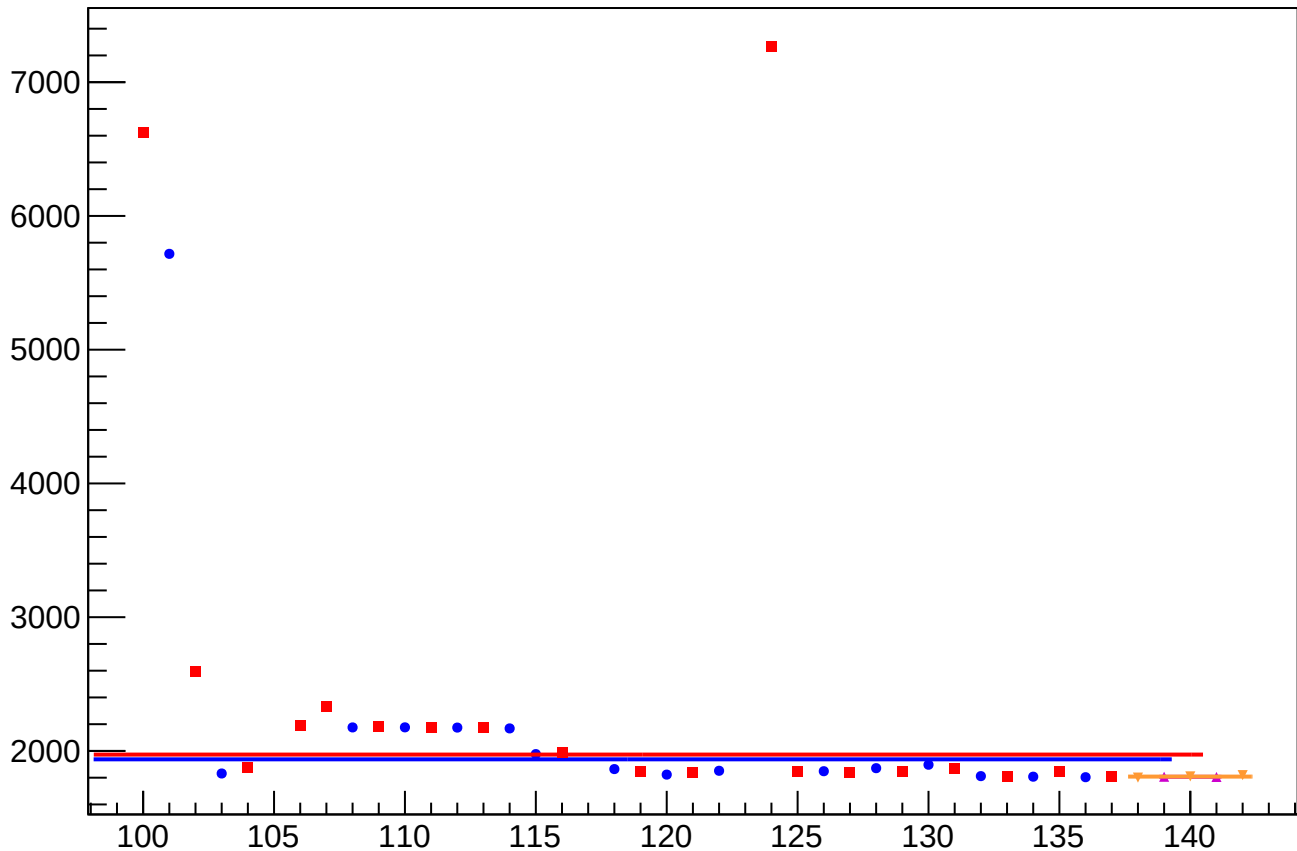
Left In: -2935.847+/-1372.779 χ^2/NDF : 0.9/1

+ sign 2037.658+/-635.446 χ^2/NDF : 17.9/18

All: -0.629+/-454.105 χ^2/NDF : 58.7/39

- sign -2127.949+/-649.176 χ^2/NDF : 19.8/20

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1808.198+/-0.890 χ^2/NDF : 59.9/2

Right Out: 1972.760+/-0.521 χ^2/NDF : 377537.1/18

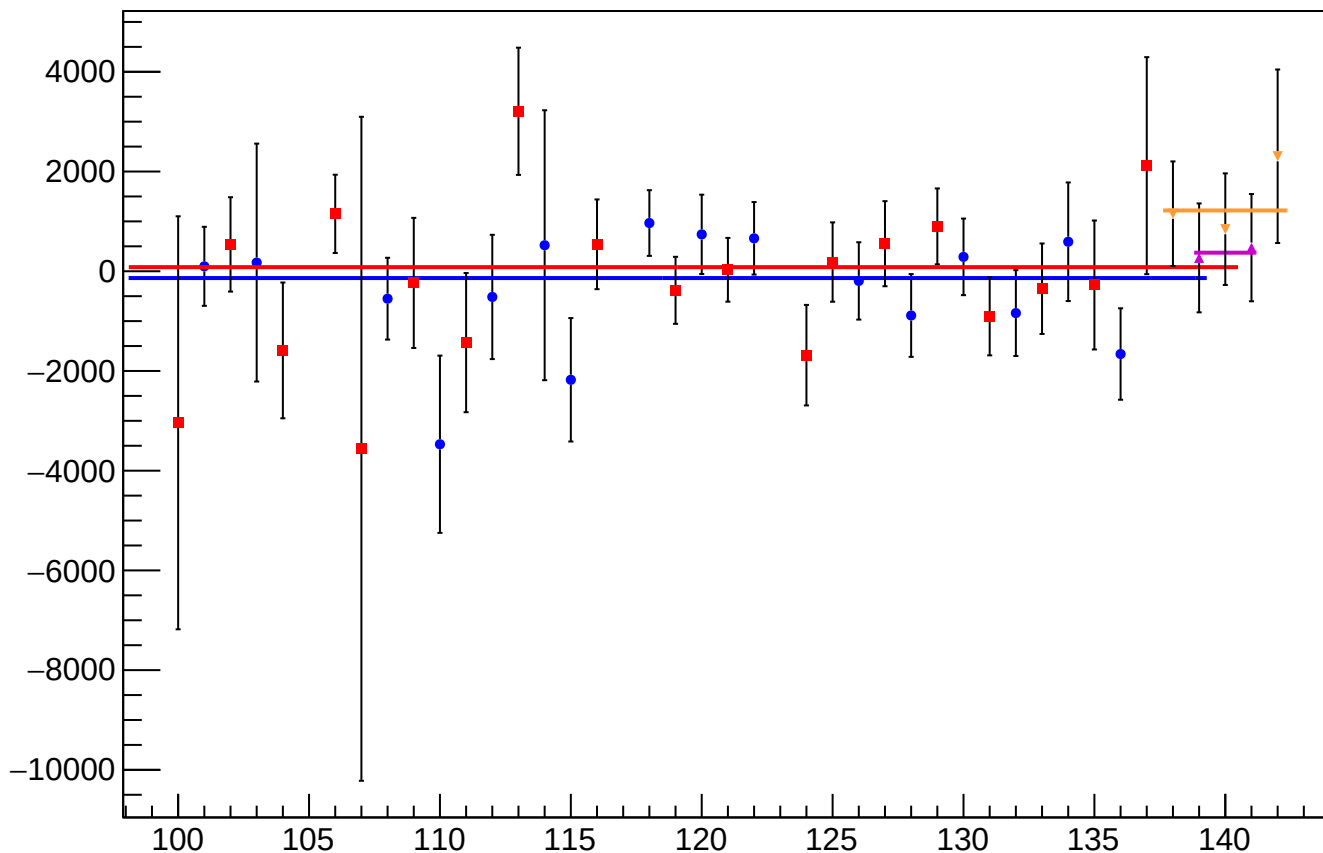
Left In: 1806.414+/-0.971 χ^2/NDF : 0.7/1

+ sign 1904.342+/-0.449 χ^2/NDF : 653823.9/18

All: 1919.618+/-0.321 χ^2/NDF : 1056523.1/39

- sign 1935.561+/-0.459 χ^2/NDF : 400337.1/20

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643 ± 230.431 χ^2/NDF : 16.9/15

Left Out: 1219.110 ± 700.566 χ^2/NDF : 0.5/2

Right Out: 82.296 ± 222.019 χ^2/NDF : 19.7/18

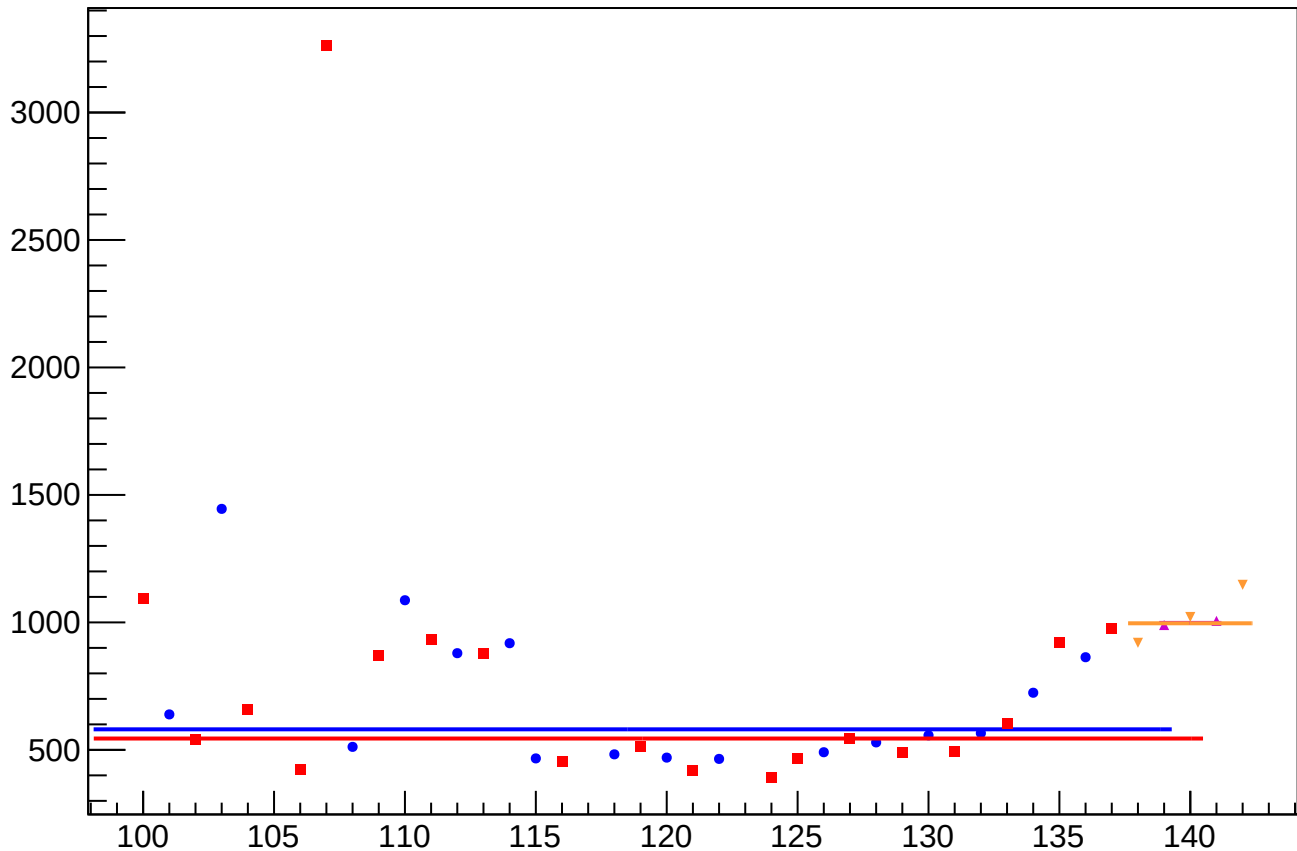
Left In: 372.310 ± 766.313 χ^2/NDF : 0.0/1

+ sign -4.286 ± 218.894 χ^2/NDF : 20.8/18

All: 51.659 ± 152.746 χ^2/NDF : 40.8/39

- sign 104.754 ± 213.249 χ^2/NDF : 19.9/20

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611 $\pm$ 0.163 χ^2 /NDF: 1003410.8/15

Left Out: 996.528 $\pm$ 0.495 χ^2 /NDF: 26657.6/2

Right Out: 544.530 $\pm$ 0.157 χ^2 /NDF: 1287643.0/18

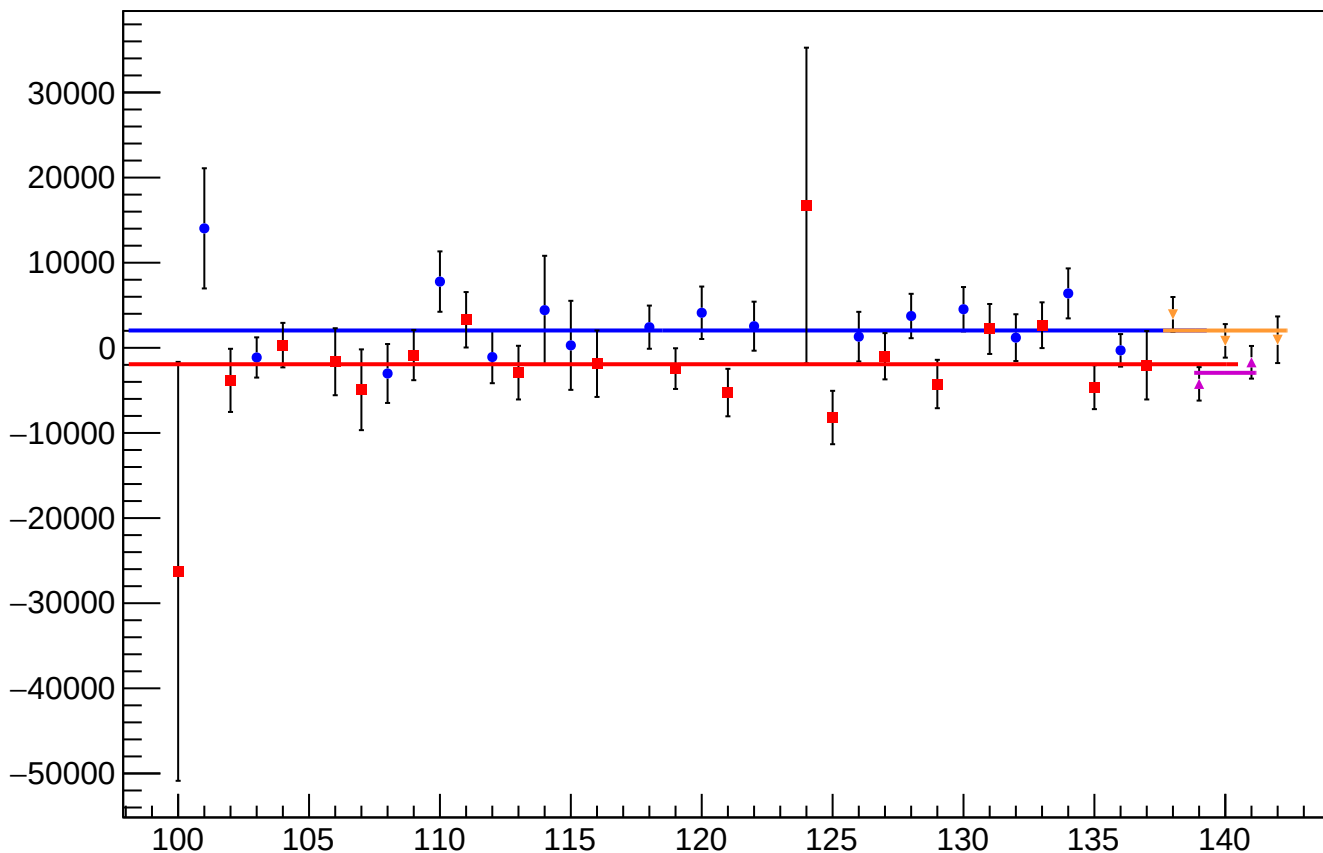
Left In: 998.003 $\pm$ 0.542 χ^2 /NDF: 225.2/1

+ sign 621.215 $\pm$ 0.155 χ^2 /NDF: 1666178.5/18

All: 599.888 $\pm$ 0.108 χ^2 /NDF: 3637174.0/39

- sign 579.647 $\pm$ 0.151 χ^2 /NDF: 1933990.6/20

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842 $\pm$ 736.211 χ^2 /NDF: 16.4/15

Left Out: 2033.172 $\pm$ 1258.354 χ^2 /NDF: 1.4/2

Right Out: -1926.264 $\pm$ 737.411 χ^2 /NDF: 18.4/18

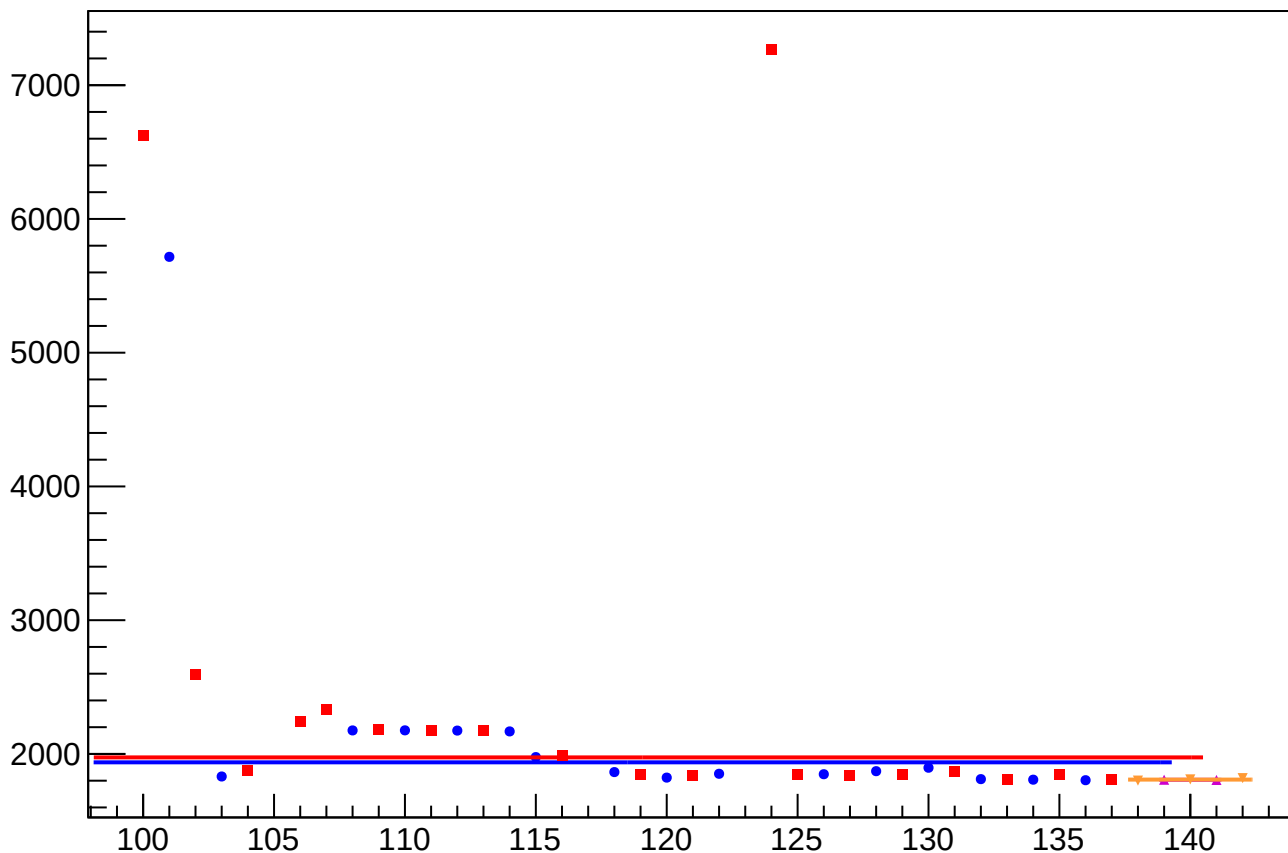
Left In: -2936.337 $\pm$ 1372.779 χ^2 /NDF: 0.9/1

+ sign 2037.396 $\pm$ 635.446 χ^2 /NDF: 17.8/18

All: -11.321 $\pm$ 454.256 χ^2 /NDF: 58.8/39

- sign -2152.452 $\pm$ 649.620 χ^2 /NDF: 19.7/20

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1808.198+/-0.890 χ^2/NDF : 59.9/2

Right Out: 1974.155+/-0.521 χ^2/NDF : 380430.7/18

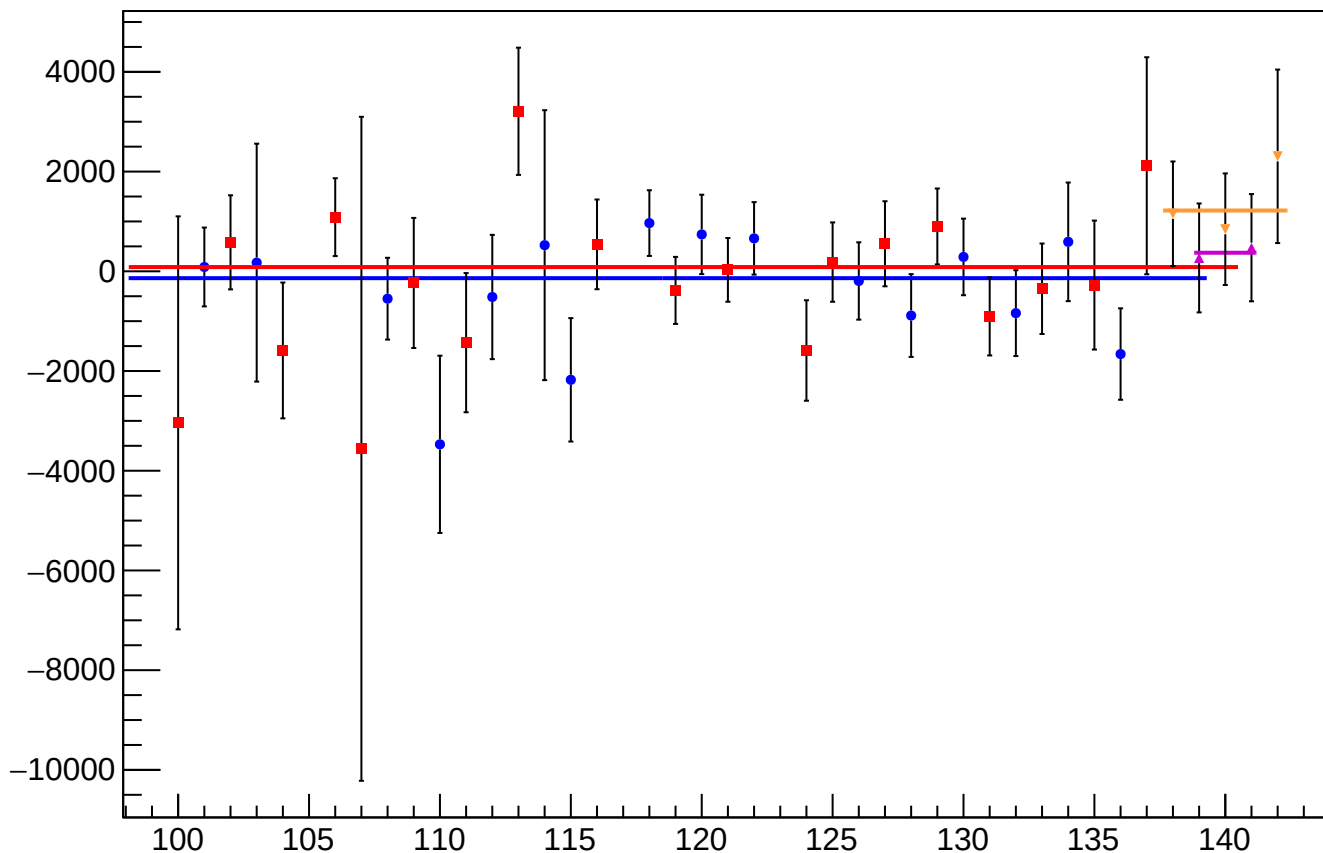
Left In: 1806.415+/-0.971 χ^2/NDF : 0.7/1

+ sign 1904.342+/-0.449 χ^2/NDF : 653823.9/18

All: 1920.111+/-0.321 χ^2/NDF : 1059948.4/39

- sign 1936.592+/-0.459 χ^2/NDF : 403605.4/20

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491 ± 230.382 χ^2/NDF : 16.9/15

Left Out: 1219.098 ± 700.564 χ^2/NDF : 0.5/2

Right Out: 84.947 ± 221.881 χ^2/NDF : 19.3/18

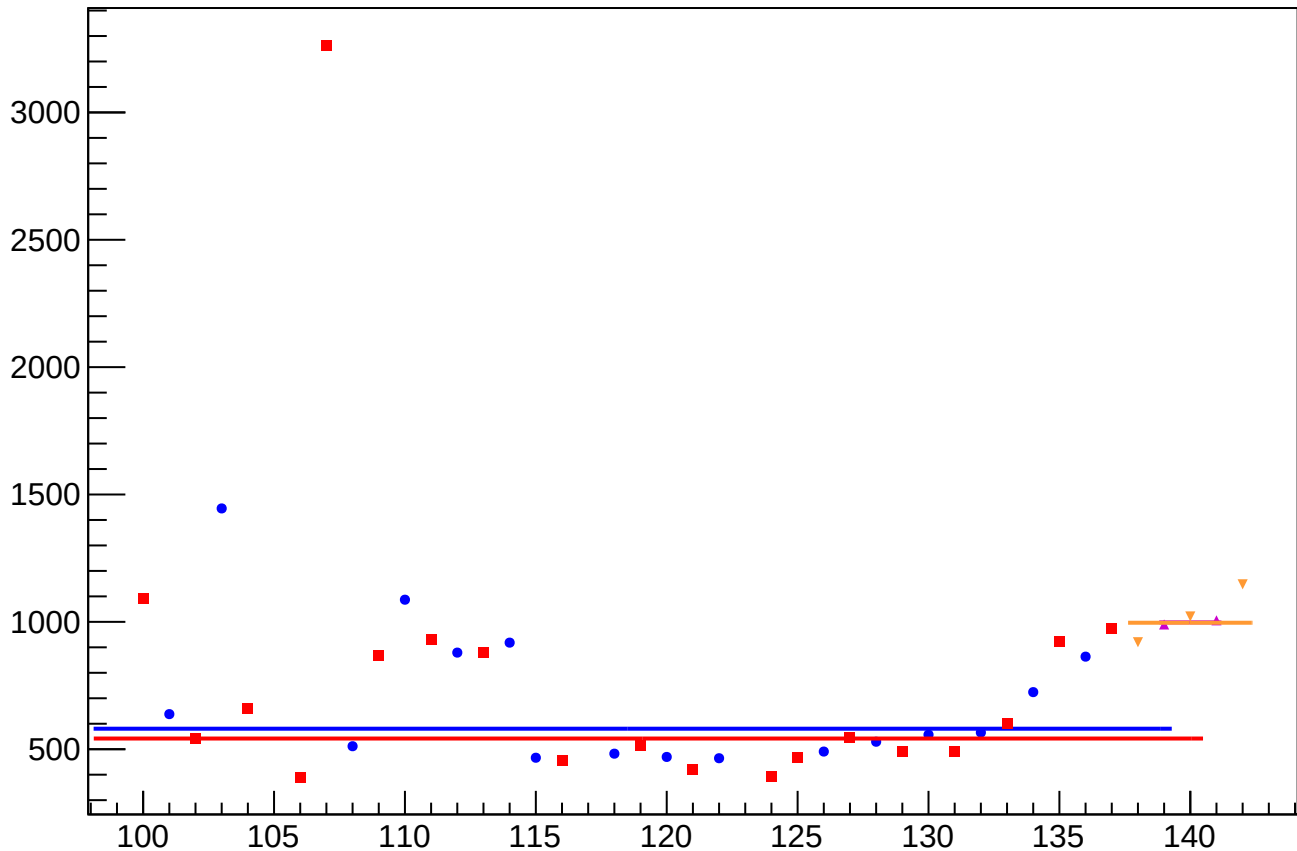
Left In: 372.359 ± 766.319 χ^2/NDF : 0.0/1

+ sign -5.101 ± 218.852 χ^2/NDF : 20.8/18

All: 52.526 ± 152.687 χ^2/NDF : 40.3/39

- sign 107.178 ± 213.127 χ^2/NDF : 19.4/20

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF : 1002900.5/15

Left Out: 996.524+/-0.495 χ^2/NDF : 26654.3/2

Right Out: 541.939+/-0.157 χ^2/NDF : 1318850.5/18

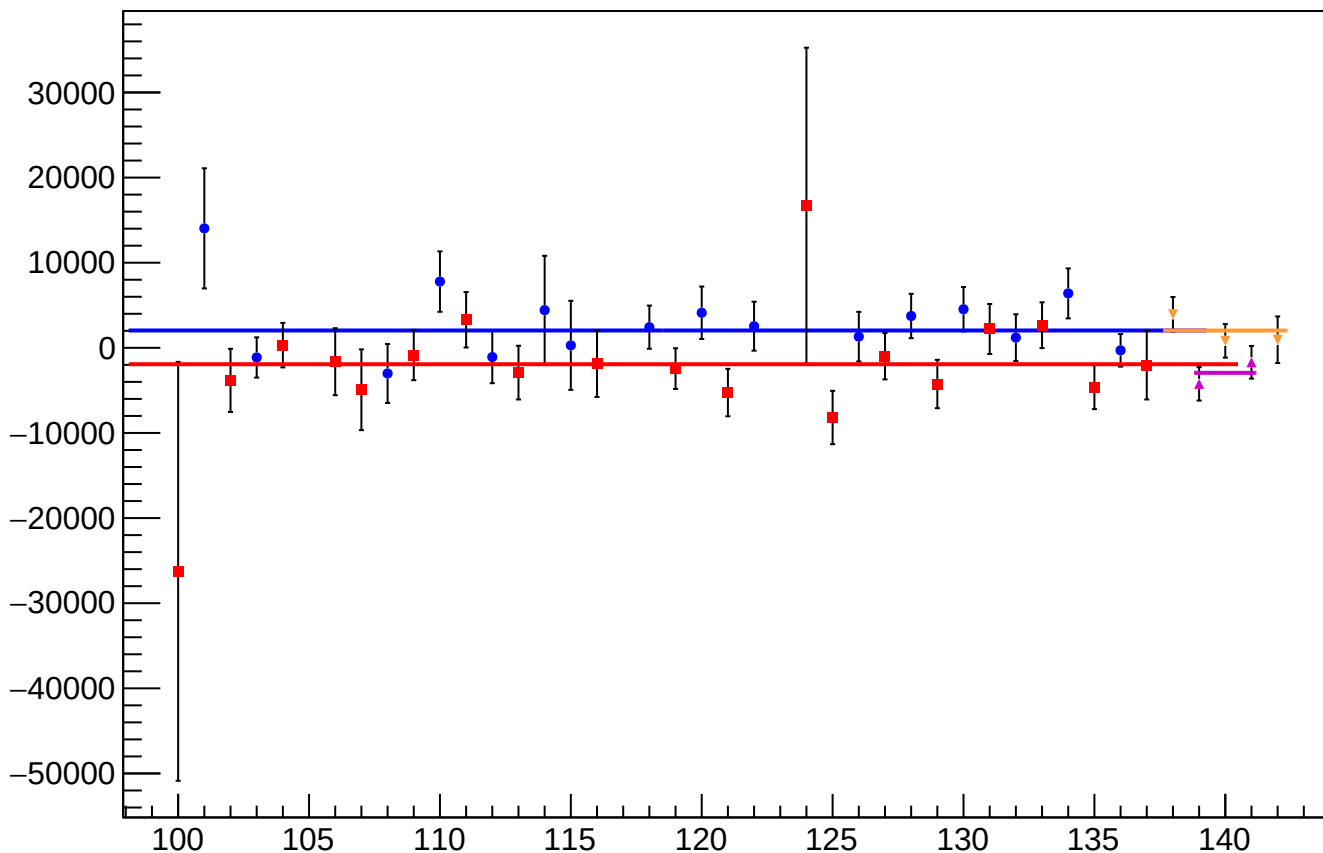
Left In: 998.009+/-0.542 χ^2/NDF : 224.7/1

+ sign 621.117+/-0.155 χ^2/NDF : 1665962.4/18

All: 598.584+/-0.108 χ^2/NDF : 3679943.3/39

- sign 577.216+/-0.151 χ^2/NDF : 1972675.1/20

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842 ± 736.211 χ^2/NDF : 16.4/15

Left Out: 2033.172 ± 1258.354 χ^2/NDF : 1.4/2

Right Out: -1926.264 ± 737.411 χ^2/NDF : 18.4/18

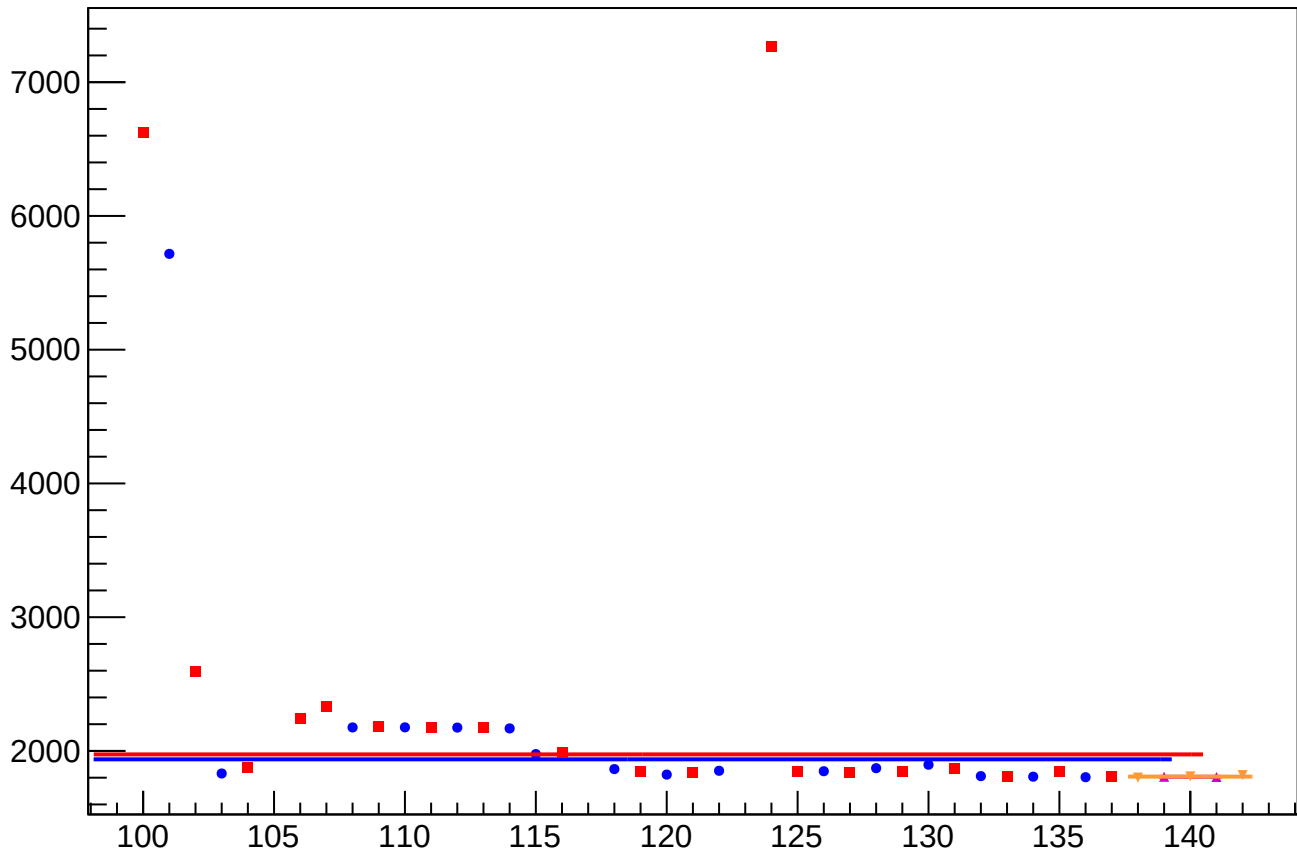
Left In: -2936.337 ± 1372.779 χ^2/NDF : 0.9/1

+ sign 2037.396 ± 635.446 χ^2/NDF : 17.8/18

All: -11.321 ± 454.256 χ^2/NDF : 58.8/39

- sign -2152.452 ± 649.620 χ^2/NDF : 19.7/20

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF : 638092.5/15

Left Out: 1808.198+/-0.890 χ^2/NDF : 59.9/2

Right Out: 1974.155+/-0.521 χ^2/NDF : 380430.7/18

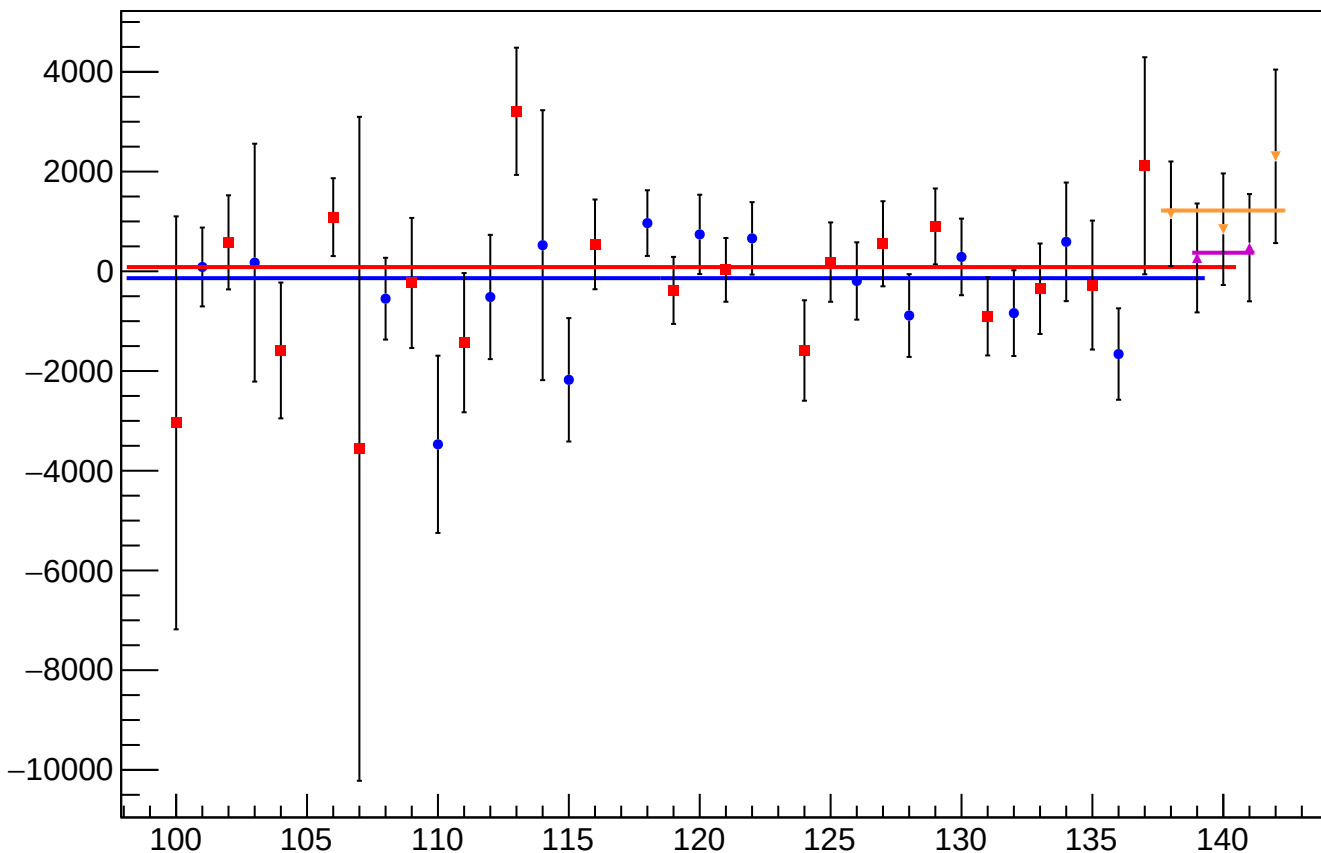
Left In: 1806.415+/-0.971 χ^2/NDF : 0.7/1

+ sign 1904.342+/-0.449 χ^2/NDF : 653823.9/18

All: 1920.111+/-0.321 χ^2/NDF : 1059948.4/39

- sign 1936.592+/-0.459 χ^2/NDF : 403605.4/20

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -137.491 $\pm$ 230.382 χ^2 /NDF: 16.9/15

Left Out: 1219.098 $\pm$ 700.564 χ^2 /NDF: 0.5/2

Right Out: 84.947 $\pm$ 221.881 χ^2 /NDF: 19.3/18

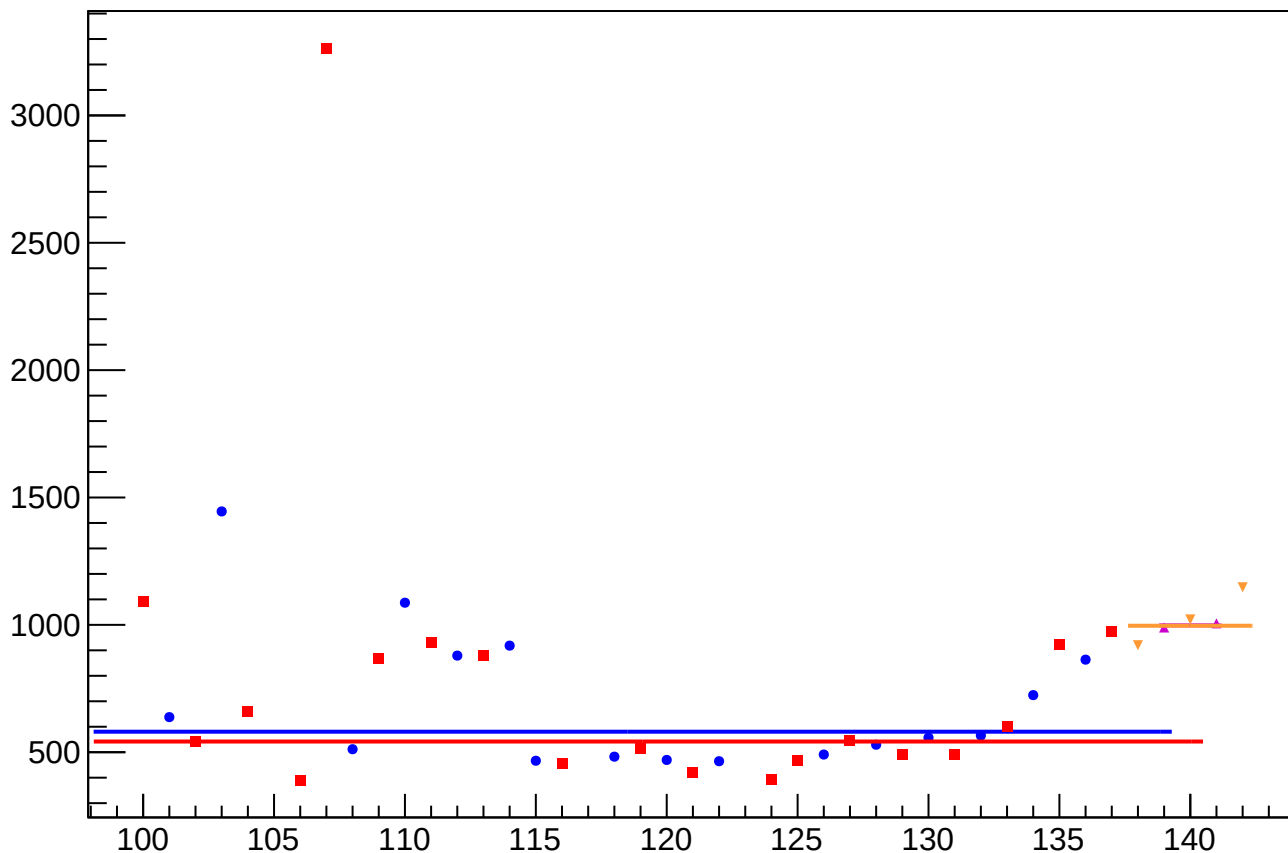
Left In: 372.359 $\pm$ 766.319 χ^2 /NDF: 0.0/1

+ sign -5.101 $\pm$ 218.852 χ^2 /NDF: 20.8/18

All: 52.526 $\pm$ 152.687 χ^2 /NDF: 40.3/39

- sign 107.178 $\pm$ 213.127 χ^2 /NDF: 19.4/20

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519 $\pm$ 0.163 χ^2 /NDF: 1002900.5/15

Left Out: 996.524 $\pm$ 0.495 χ^2 /NDF: 26654.3/2

Right Out: 541.939 $\pm$ 0.157 χ^2 /NDF: 1318850.5/18

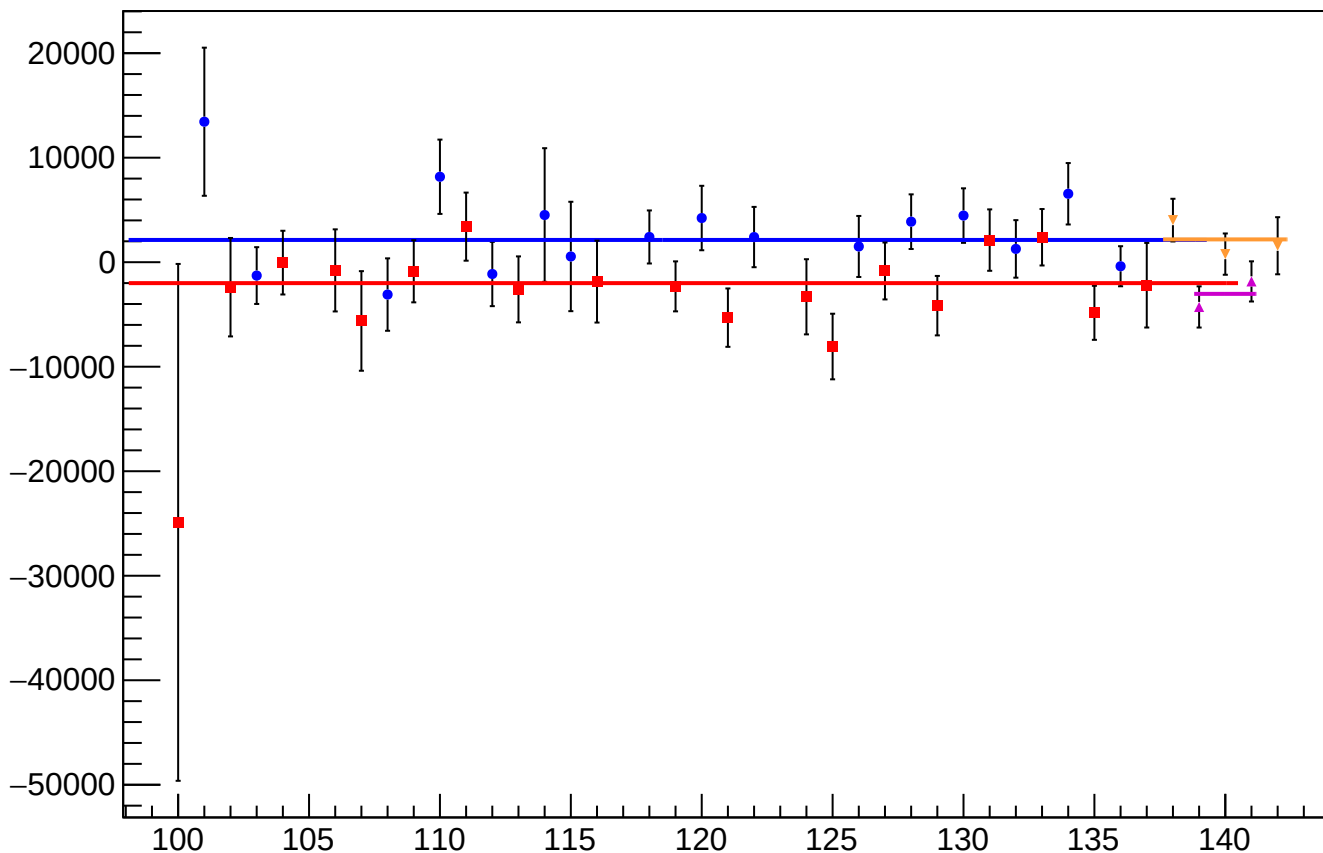
Left In: 998.009 $\pm$ 0.542 χ^2 /NDF: 224.7/1

+ sign 621.117 $\pm$ 0.155 χ^2 /NDF: 1665962.4/18

All: 598.584 $\pm$ 0.108 χ^2 /NDF: 3679943.3/39

- sign 577.216 $\pm$ 0.151 χ^2 /NDF: 1972675.1/20

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748 $\pm$ 746.242 χ^2 /NDF: 16.5/15

Left Out: 2181.129 $\pm$ 1259.876 χ^2 /NDF: 1.4/2

Right Out: -2002.220 $\pm$ 737.195 χ^2 /NDF: 16.7/18

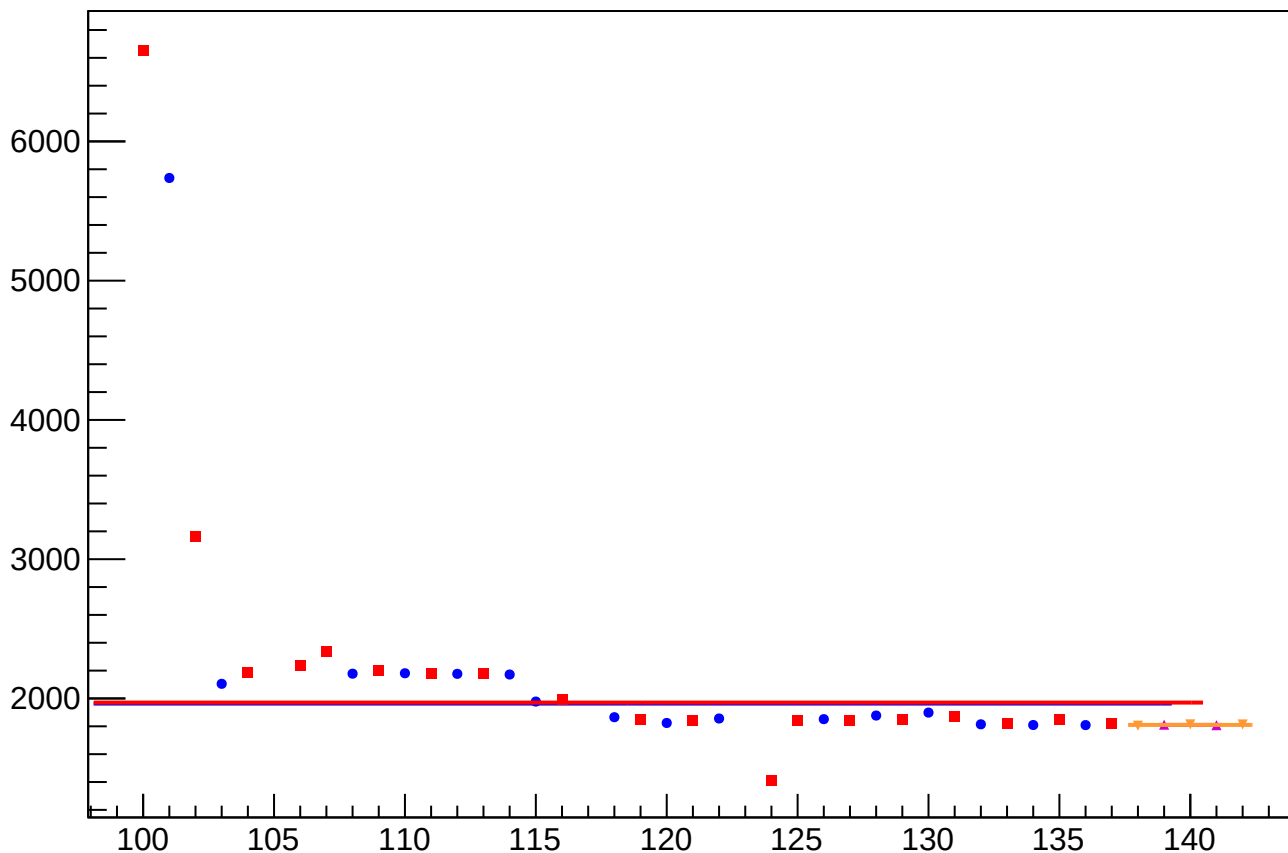
Left In: -3030.413 $\pm$ 1375.592 χ^2 /NDF: 0.8/1

+ sign 2142.353 $\pm$ 642.064 χ^2 /NDF: 17.9/18

All: -18.552 $\pm$ 456.708 χ^2 /NDF: 58.8/39

- sign -2231.631 $\pm$ 649.769 χ^2 /NDF: 18.0/20

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF : 640254.1/15

Left Out: 1810.124+/-0.891 χ^2/NDF : 26.3/2

Right Out: 1970.459+/-0.521 χ^2/NDF : 345133.0/18

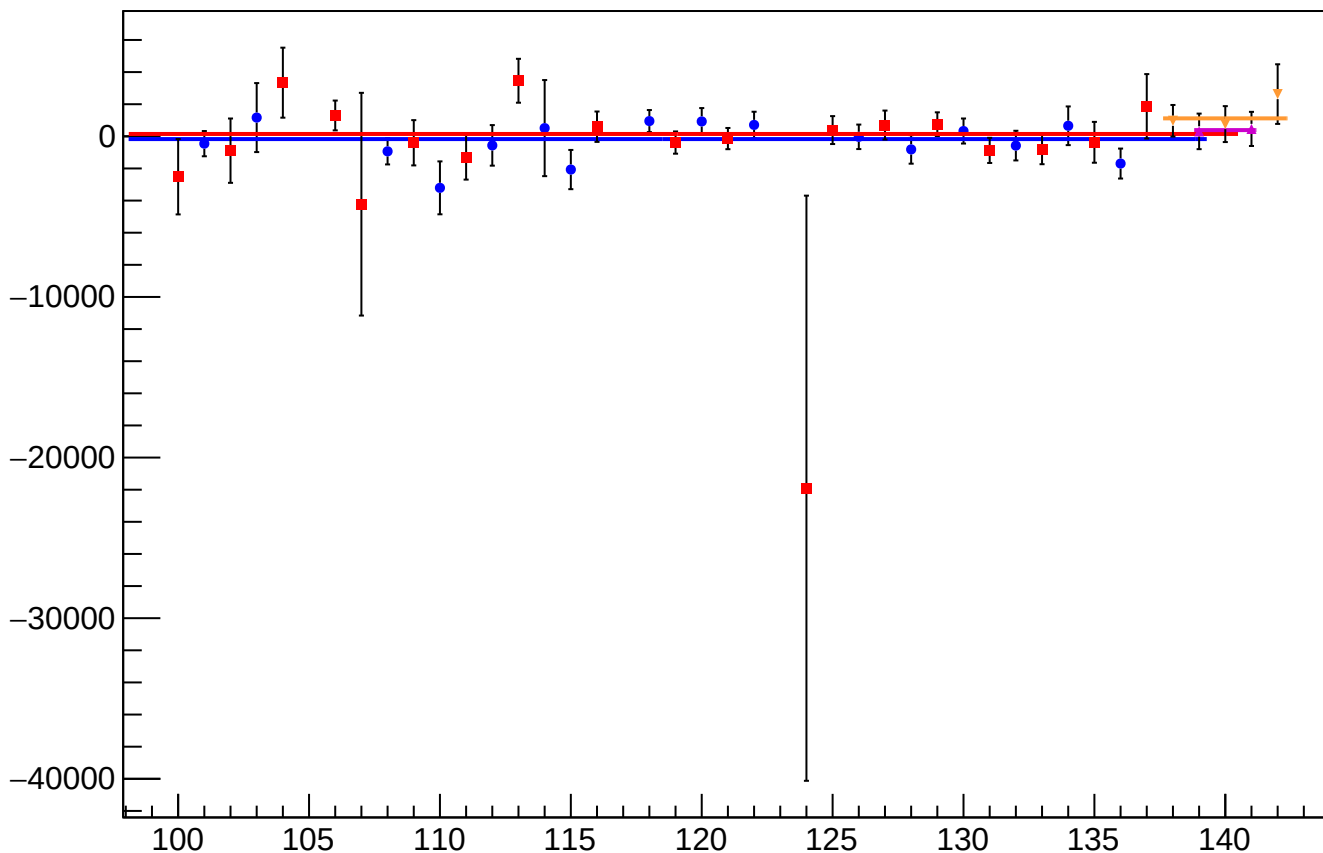
Left In: 1809.974+/-0.973 χ^2/NDF : 3.5/1

+ sign 1923.603+/-0.454 χ^2/NDF : 662198.6/18

All: 1929.061+/-0.323 χ^2/NDF : 1028776.0/39

- sign 1934.652+/-0.459 χ^2/NDF : 366284.8/20

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774 ± 236.912 χ^2/NDF : 17.2/15

Left Out: 1118.266 ± 686.157 χ^2/NDF : 0.8/2

Right Out: 147.489 ± 242.848 χ^2/NDF : 20.1/18

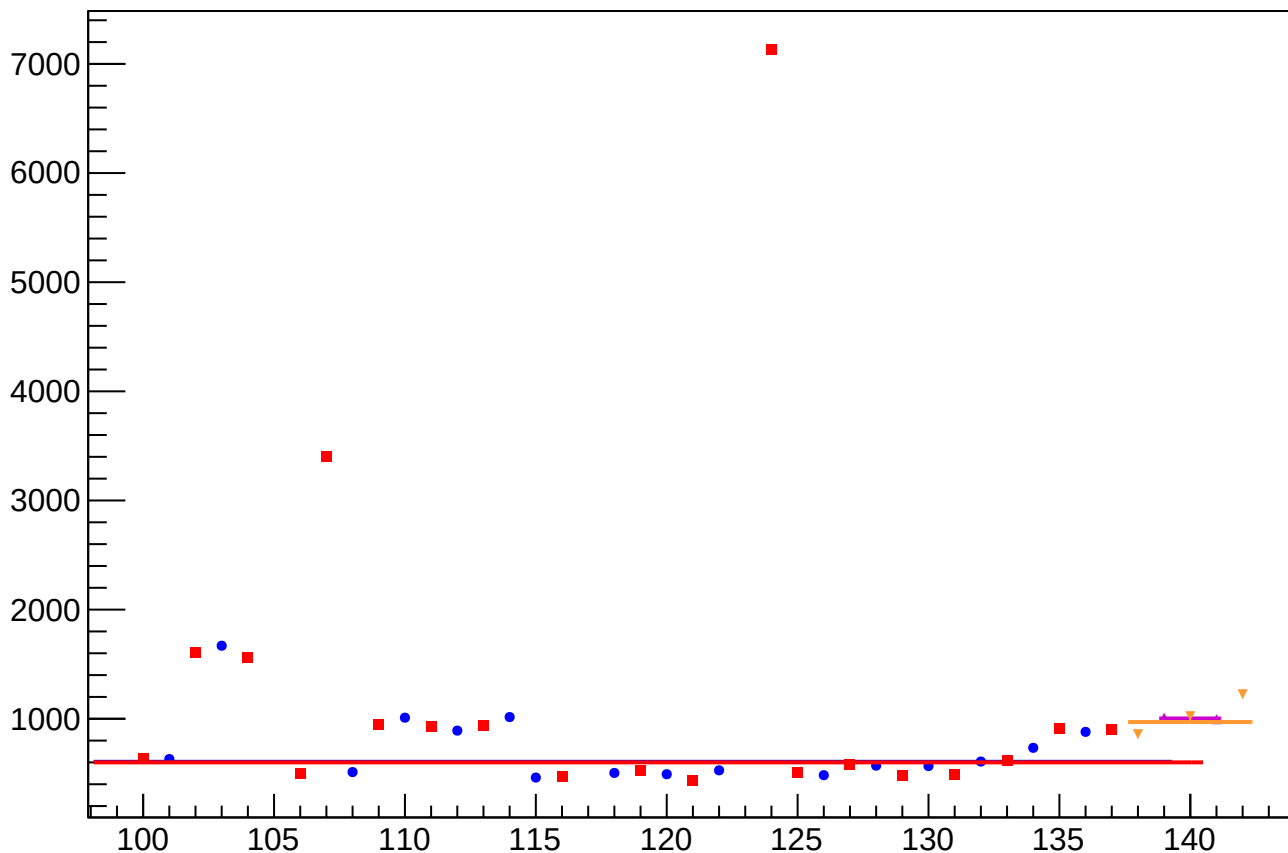
Left In: 388.220 ± 766.579 χ^2/NDF : 0.0/1

+ sign -33.471 ± 223.939 χ^2/NDF : 21.2/18

All: 64.616 ± 160.958 χ^2/NDF : 41.8/39

- sign 169.445 ± 231.508 χ^2/NDF : 20.2/20

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF : 1162454.5/15

Left Out: 970.365+/-0.485 χ^2/NDF : 67837.1/2

Right Out: 600.447+/-0.172 χ^2/NDF : 2328523.8/18

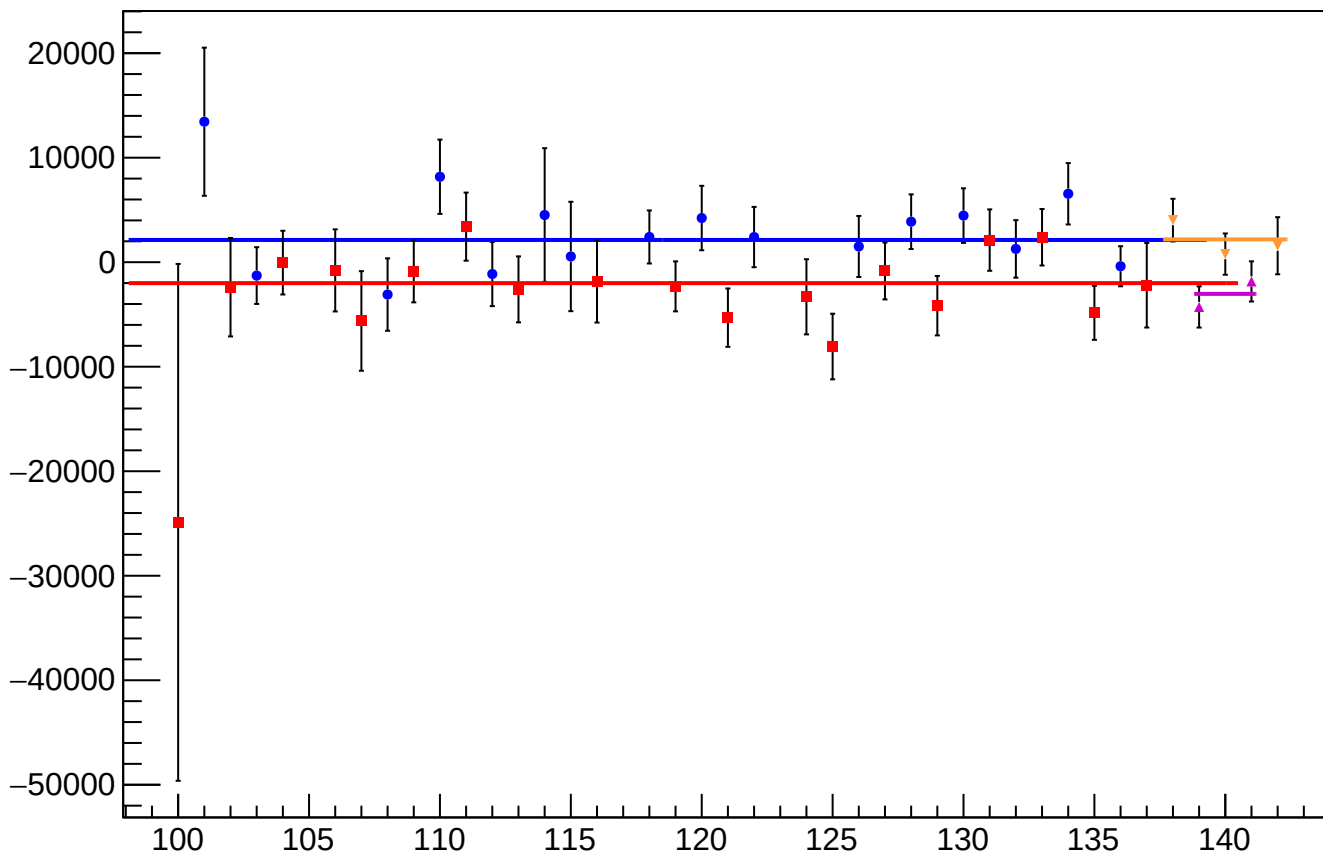
Left In: 1002.556+/-0.542 χ^2/NDF : 160.9/1

+ sign 644.301+/-0.158 χ^2/NDF : 1735769.0/18

All: 640.830+/-0.114 χ^2/NDF : 4565563.0/39

- sign 637.121+/-0.164 χ^2/NDF : 2828800.2/20

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF : 16.5/15

Left Out: 2181.132+/-1259.876 χ^2/NDF : 1.4/2

Right Out: -2002.218+/-737.195 χ^2/NDF : 16.7/18

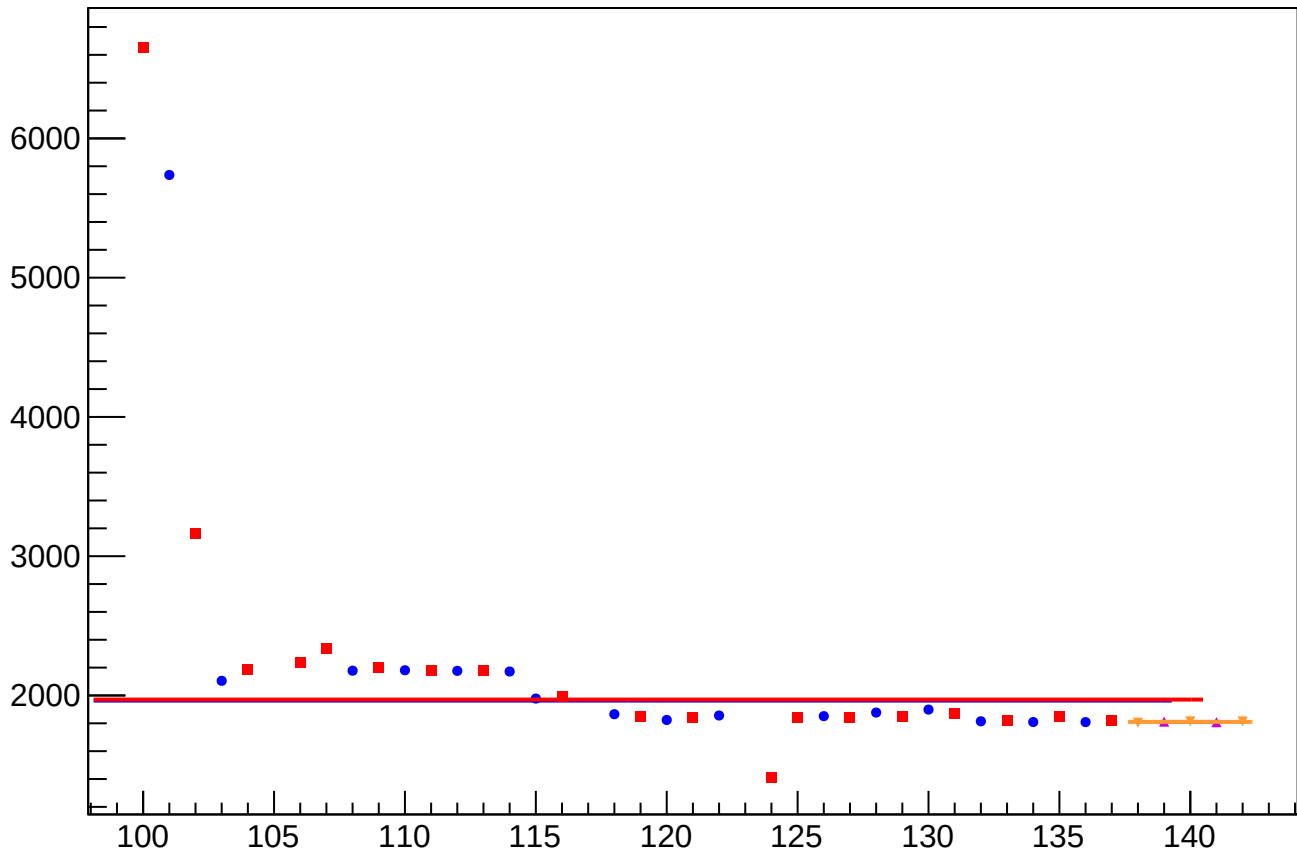
Left In: -3030.412+/-1375.592 χ^2/NDF : 0.8/1

+ sign 2142.352+/-642.064 χ^2/NDF : 17.9/18

All: -18.551+/-456.708 χ^2/NDF : 58.8/39

- sign -2231.629+/-649.769 χ^2/NDF : 18.0/20

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415 $\pm$ 0.528 χ^2 /NDF: 640253.8/15

Left Out: 1810.124 $\pm$ 0.891 χ^2 /NDF:26.3/2

Right Out: 1970.459 $\pm$ 0.521 χ^2 /NDF: 345131.7/18

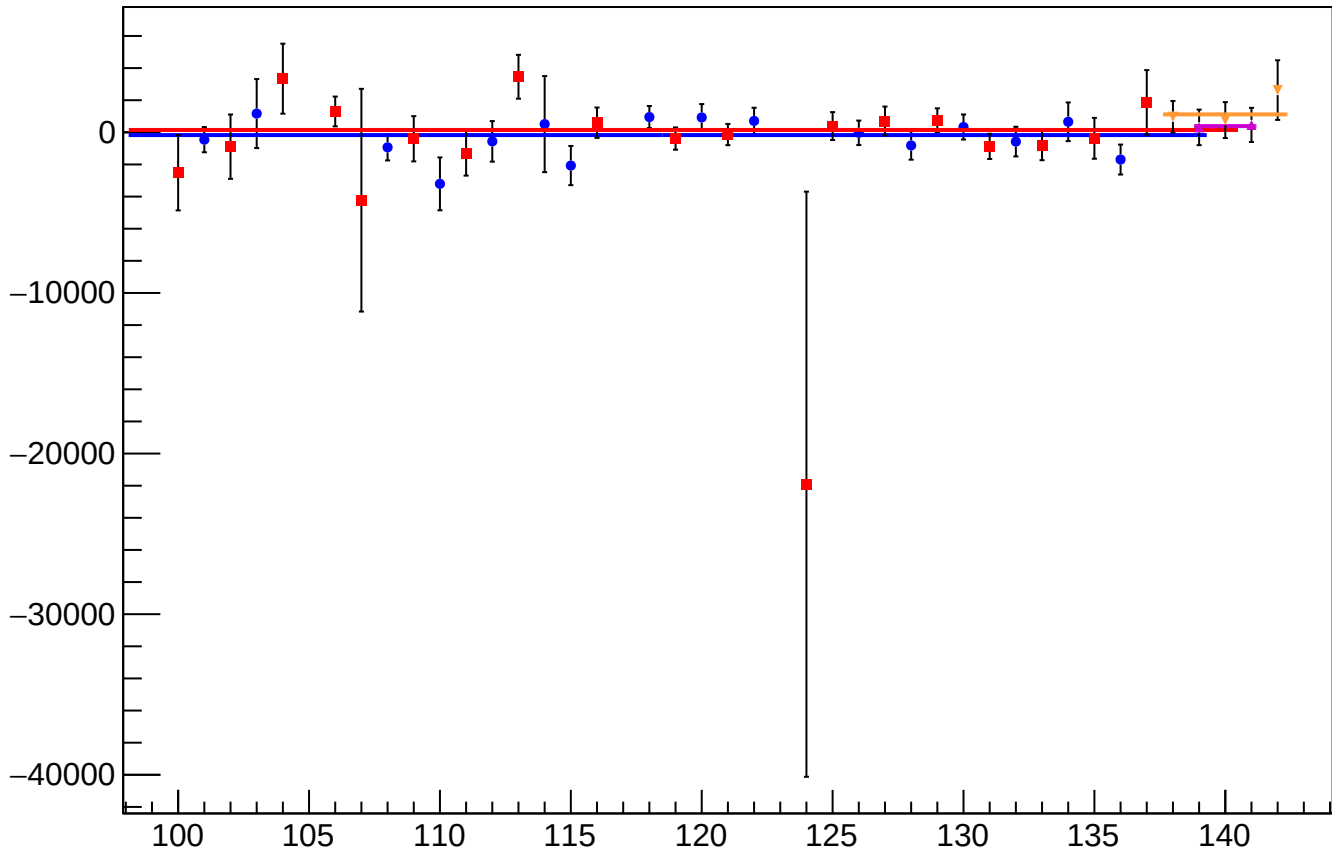
Left In: 1809.974 $\pm$ 0.973 χ^2 /NDF:3.5/1

+ sign 1923.602 $\pm$ 0.454 χ^2 /NDF: 662198.3/18

All: 1929.061 $\pm$ 0.323 χ^2 /NDF: 1028774.4/39

- sign 1934.651 $\pm$ 0.459 χ^2 /NDF: 366283.5/20

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -170.773 ± 236.912 χ^2/NDF : 17.2/15

Left Out: 1118.268 ± 686.158 χ^2/NDF : 0.8/2

Right Out: 147.489 ± 242.847 χ^2/NDF : 20.1/18

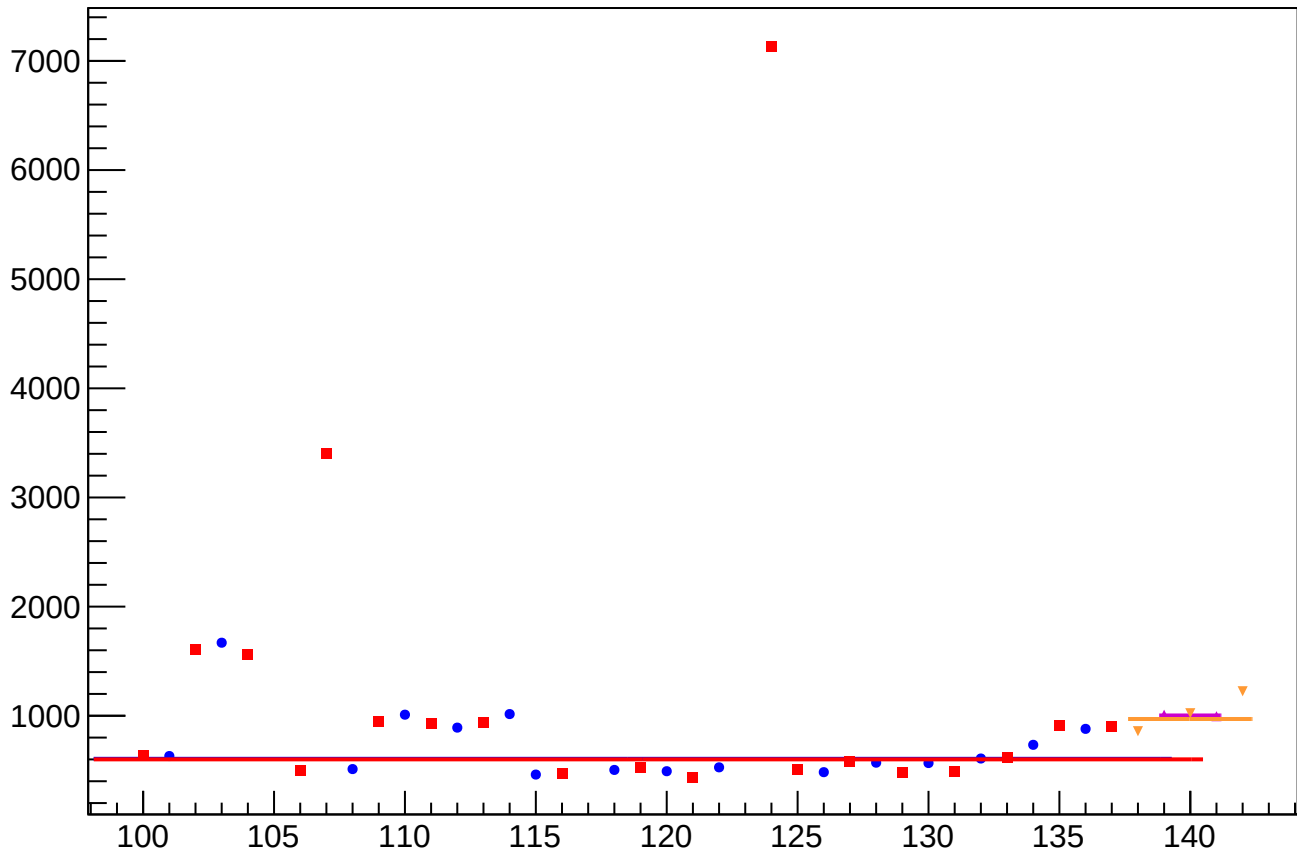
Left In: 388.222 ± 766.579 χ^2/NDF : 0.0/1

+ sign -33.470 ± 223.939 χ^2/NDF : 21.2/18

All: 64.616 ± 160.958 χ^2/NDF : 41.8/39

- sign 169.445 ± 231.508 χ^2/NDF : 20.2/20

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF : 1162462.4/15

Left Out: 970.366+/-0.485 χ^2/NDF : 67837.7/2

Right Out: 600.446+/-0.172 χ^2/NDF : 2328531.9/18

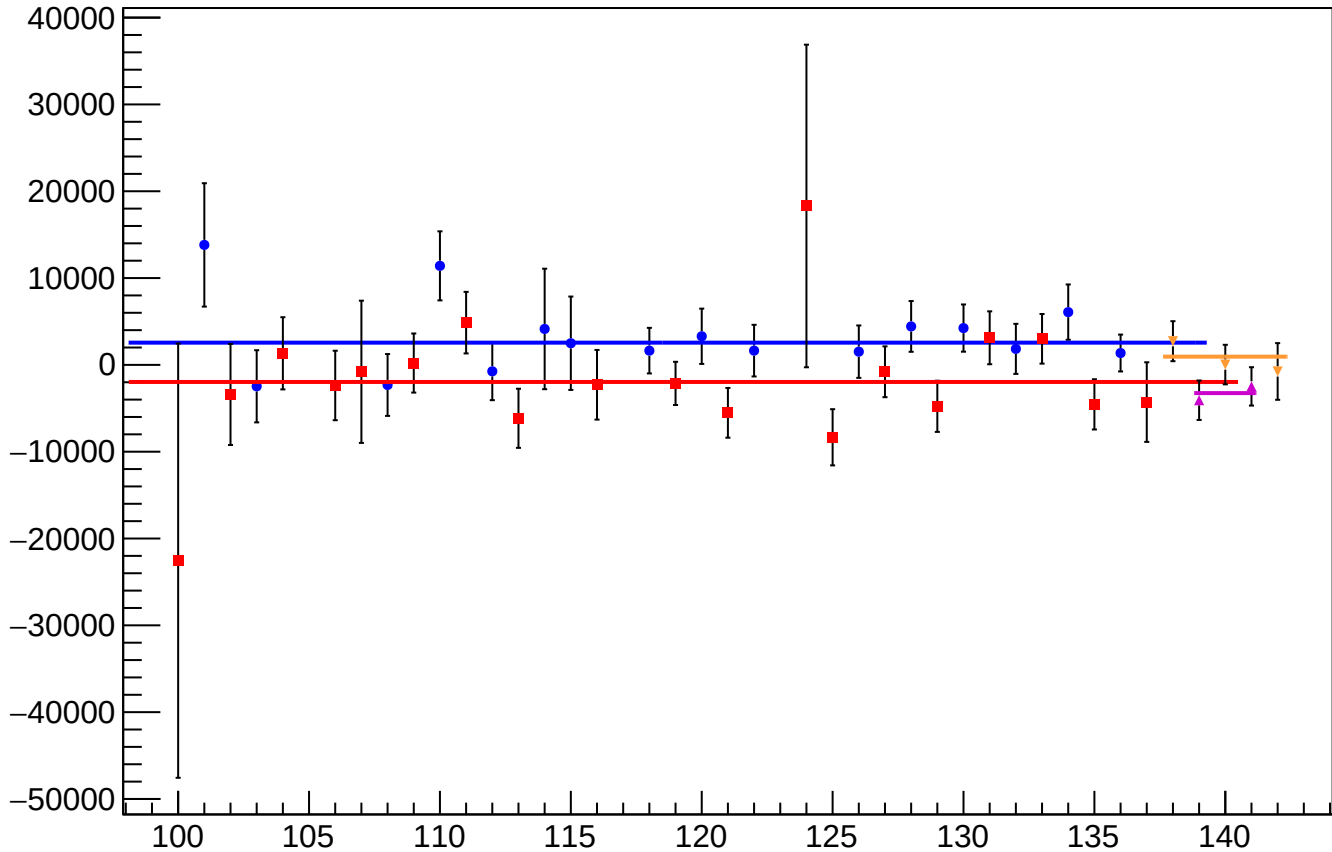
Left In: 1002.557+/-0.542 χ^2/NDF : 160.9/1

+ sign 644.300+/-0.158 χ^2/NDF : 1735781.4/18

All: 640.830+/-0.114 χ^2/NDF : 4565586.5/39

- sign 637.120+/-0.164 χ^2/NDF : 2828811.4/20

asym_at1_avg_mean vs Slug



Right In: 2560.971 $\pm$ 809.658 χ^2/NDF : 14.6/15

Left Out: 946.642 $\pm$ 1450.461 χ^2/NDF : 1.0/2

Right Out: -1966.731 $\pm$ 818.839 χ^2/NDF : 21.6/18

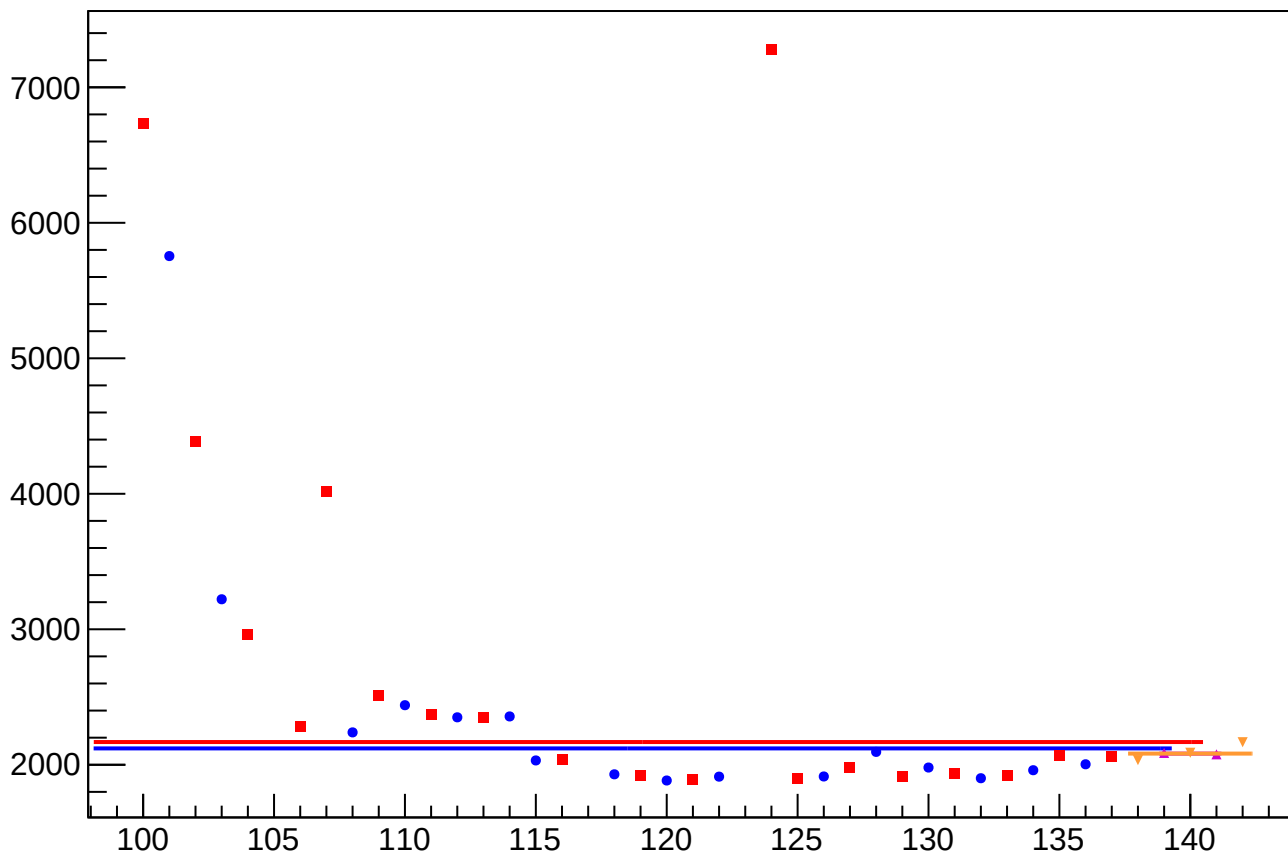
Left In: -3250.917 $\pm$ 1584.300 χ^2/NDF : 0.3/1

+ sign 2177.455 $\pm$ 706.971 χ^2/NDF : 16.6/18

All: 32.939 $\pm$ 506.981 χ^2/NDF : 57.9/39

- sign -2237.457 $\pm$ 727.425 χ^2/NDF : 22.4/20

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF : 759969.1/15

Left Out: 2082.519+/-1.026 χ^2/NDF :2211.1/2

Right Out: 2167.840+/-0.579 χ^2/NDF : 823925.5/18

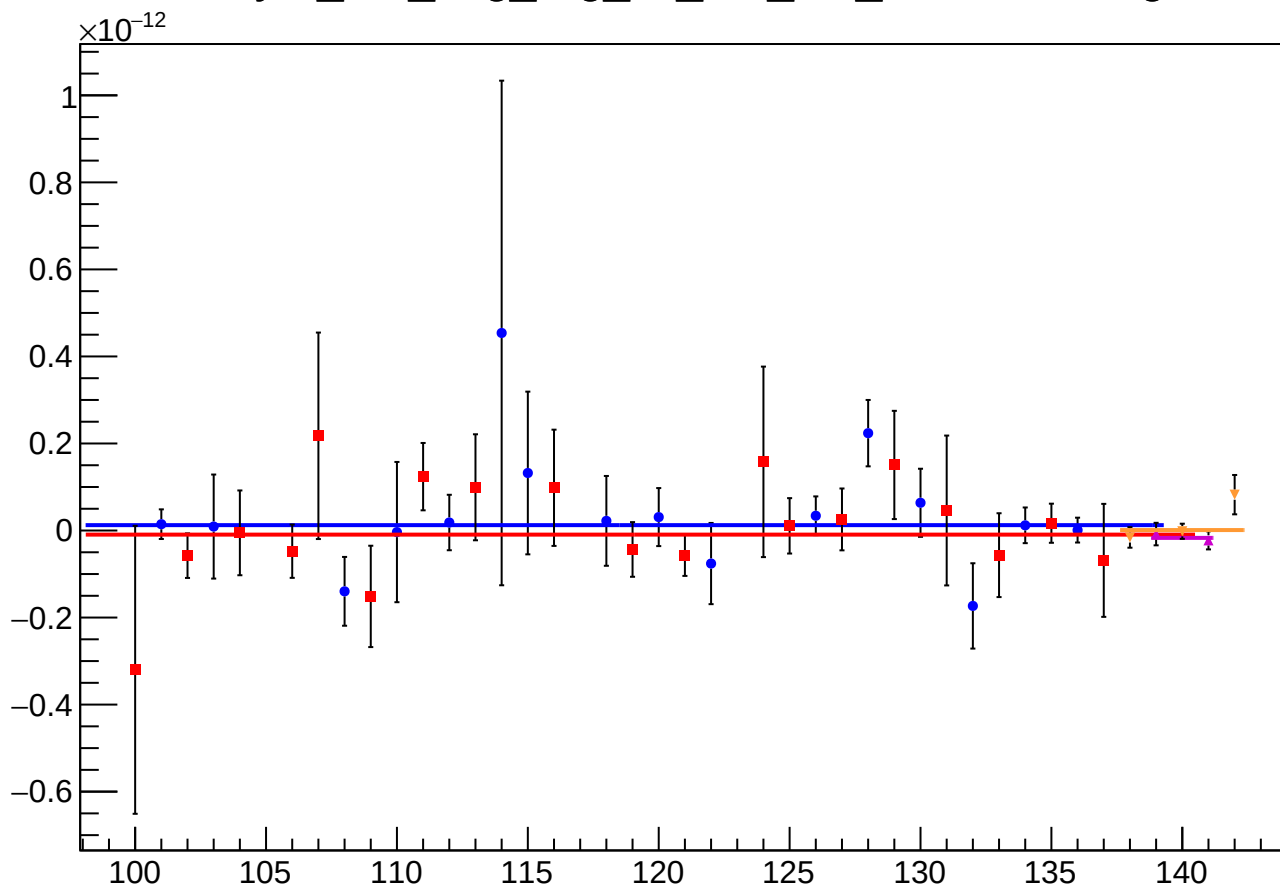
Left In: 2082.264+/-1.120 χ^2/NDF :21.5/1

+ sign 2111.689+/-0.500 χ^2/NDF : 763241.1/18

All: 2130.201+/-0.358 χ^2/NDF : 1594616.4/39

- sign 2149.799+/-0.514 χ^2/NDF : 828552.1/20

asym_at1_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: 3.8/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/18

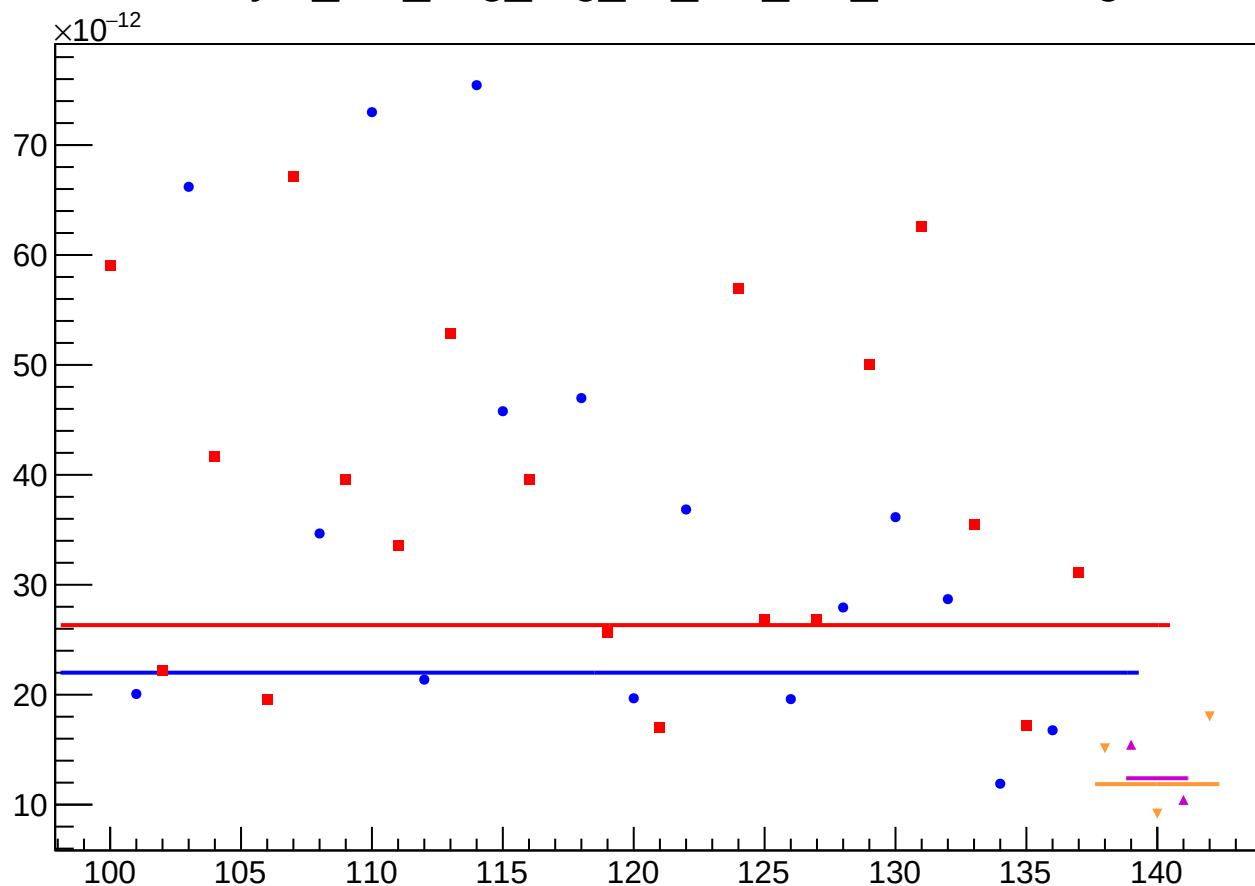
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.6/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.1/20

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1032604.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:122903.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 705211.2/18

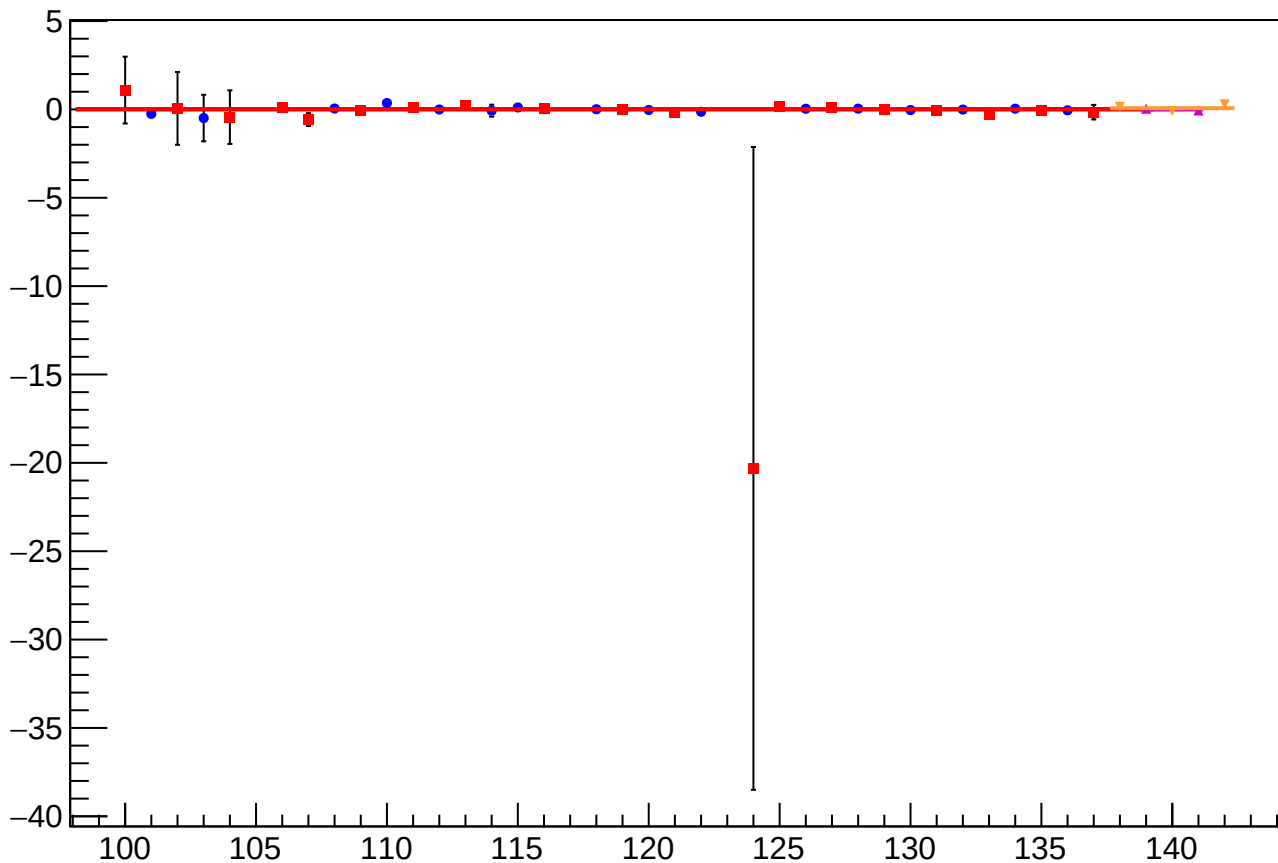
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:45758.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1674618.5/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 3124868.4/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1411361.2/20

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.027 $\chi^2/\text{NDF}: 11.4/15$

Left Out: 0.068 ± 0.061 $\chi^2/\text{NDF}: 5.5/2$

Right Out: 0.013 ± 0.026 $\chi^2/\text{NDF}: 17.6/18$

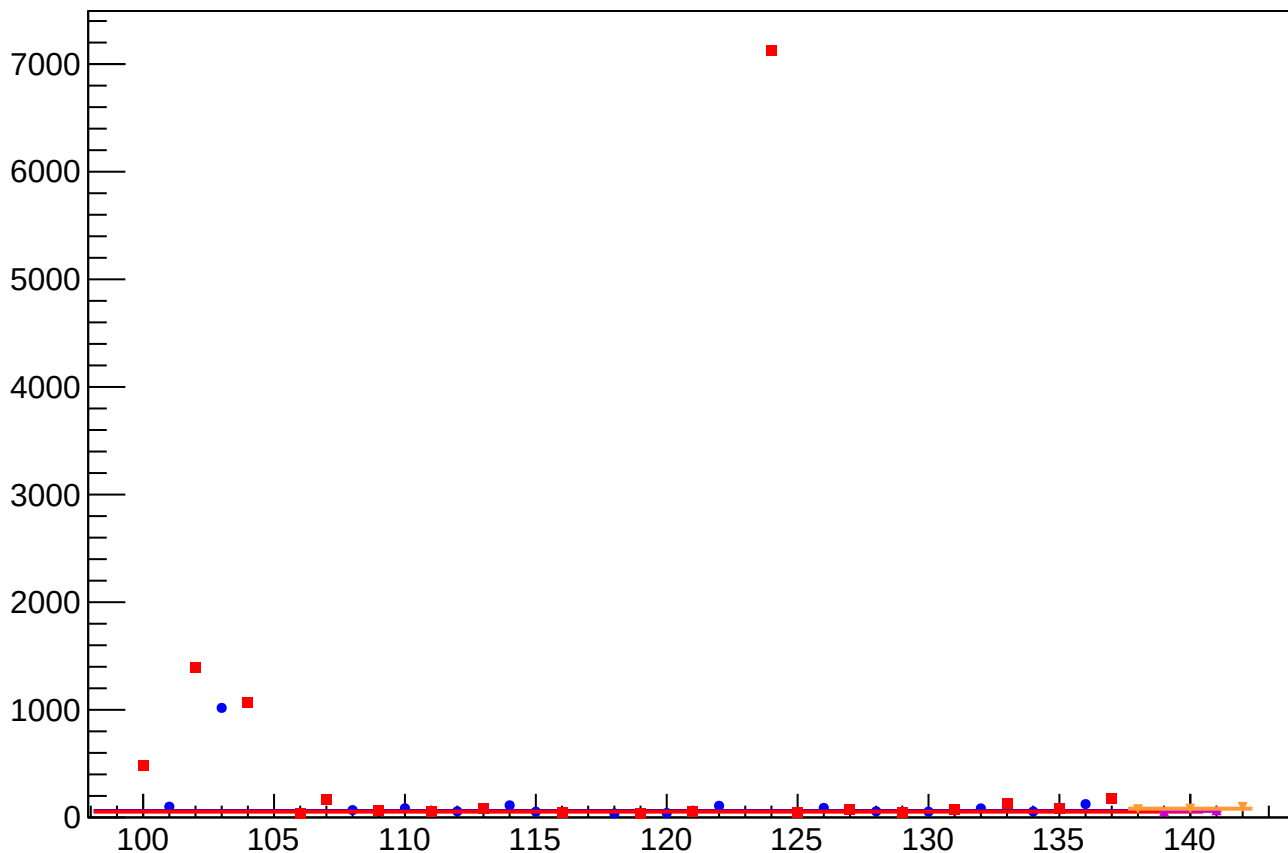
Left In: -0.005 ± 0.051 $\chi^2/\text{NDF}: 1.0/1$

+ sign 0.014 ± 0.024 $\chi^2/\text{NDF}: 17.8/18$

All: 0.012 ± 0.017 $\chi^2/\text{NDF}: 36.5/39$

- sign 0.009 ± 0.023 $\chi^2/\text{NDF}: 18.6/20$

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: 81.625 $\pm$ 0.043 χ^2 /NDF: 28818.3/2

Right Out: 54.249 $\pm$ 0.018 χ^2 /NDF: 3521580.5/18

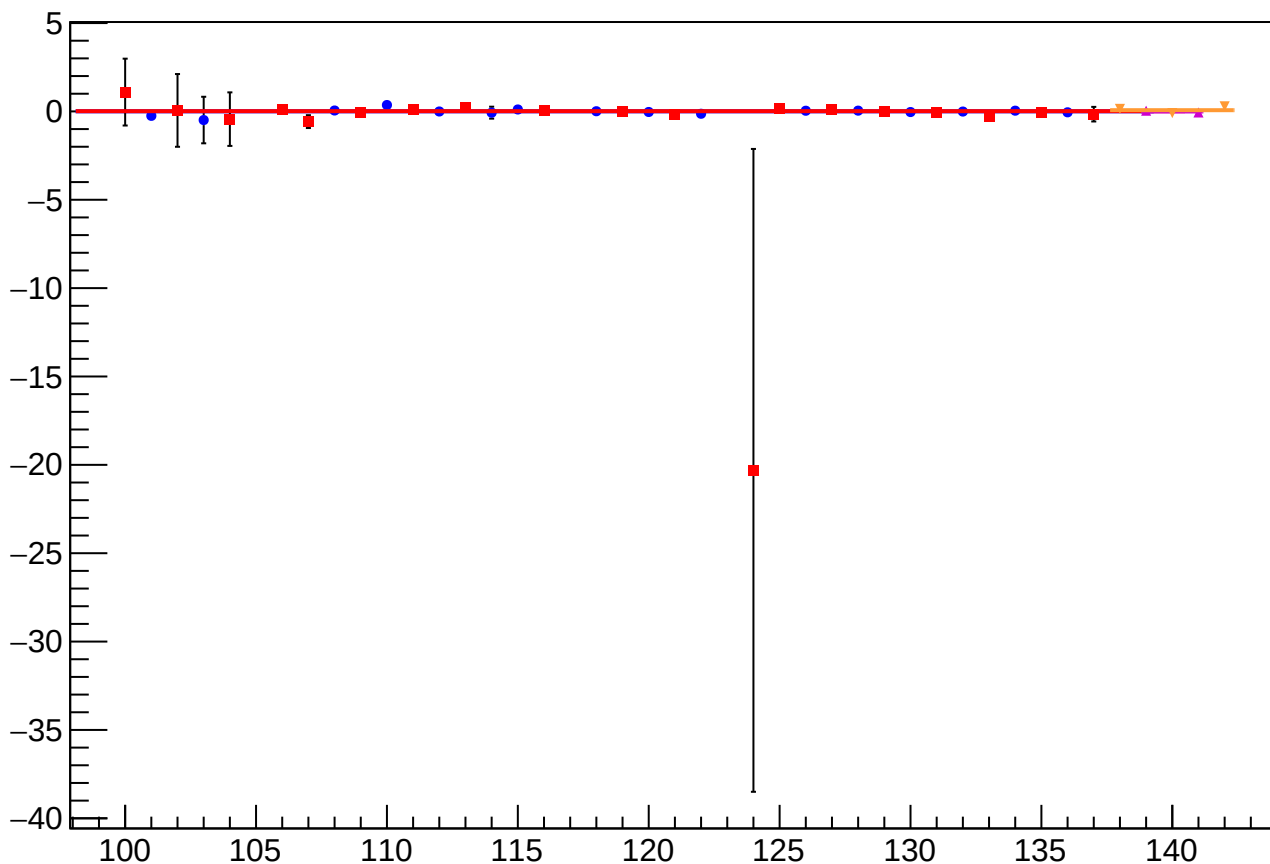
Left In: 61.013 $\pm$ 0.036 χ^2 /NDF: 21252.9/1

+ sign 63.314 $\pm$ 0.017 χ^2 /NDF: 2779770.3/18

All: 59.237 $\pm$ 0.012 χ^2 /NDF: 6455186.9/39

- sign 55.644 $\pm$ 0.016 χ^2 /NDF: 3571171.8/20

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: 0.068 $\pm$ 0.061 χ^2 /NDF: 5.5/2

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

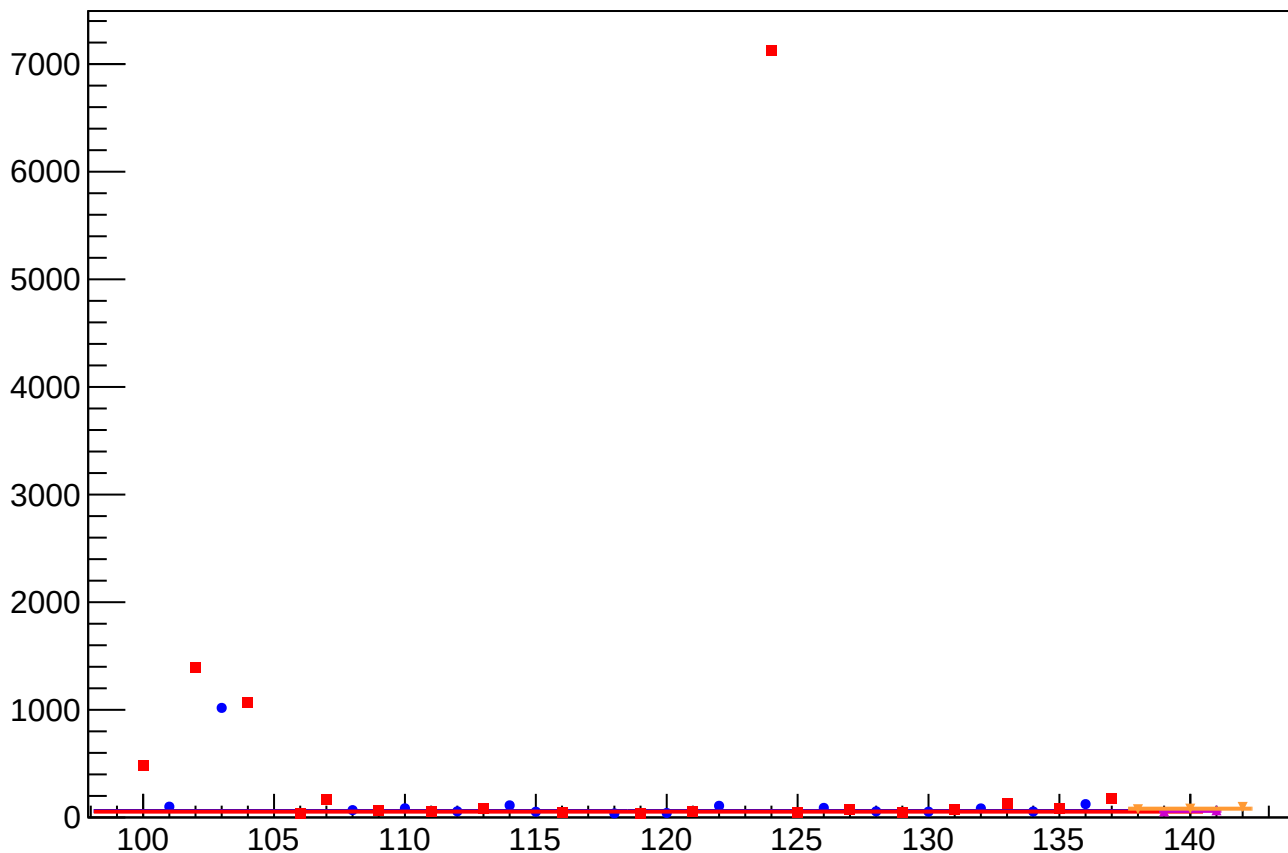
Left In: -0.005 $\pm$ 0.051 χ^2 /NDF: 1.0/1

+ sign 0.014 $\pm$ 0.024 χ^2 /NDF: 17.8/18

All: 0.012 $\pm$ 0.017 χ^2 /NDF: 36.5/39

- sign 0.009 $\pm$ 0.023 χ^2 /NDF: 18.6/20

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: 81.625 $\pm$ 0.043 χ^2 /NDF: 28818.3/2

Right Out: 54.249 $\pm$ 0.018 χ^2 /NDF: 3521580.5/18

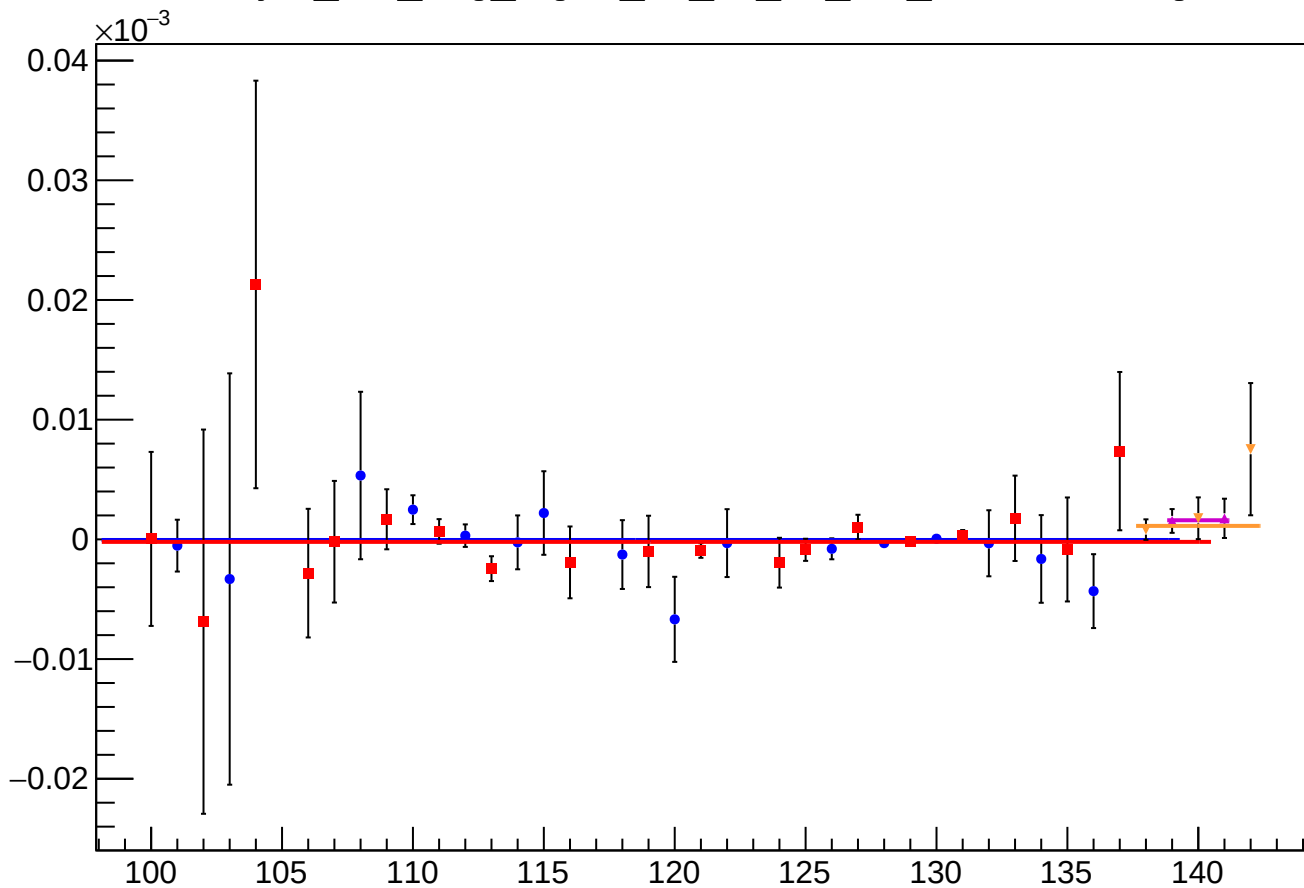
Left In: 61.013 $\pm$ 0.036 χ^2 /NDF: 21252.9/1

+ sign 63.314 $\pm$ 0.017 χ^2 /NDF: 2779770.3/18

All: 59.237 $\pm$ 0.012 χ^2 /NDF: 6455186.9/39

- sign 55.644 $\pm$ 0.016 χ^2 /NDF: 3571171.8/20

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.6/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/18

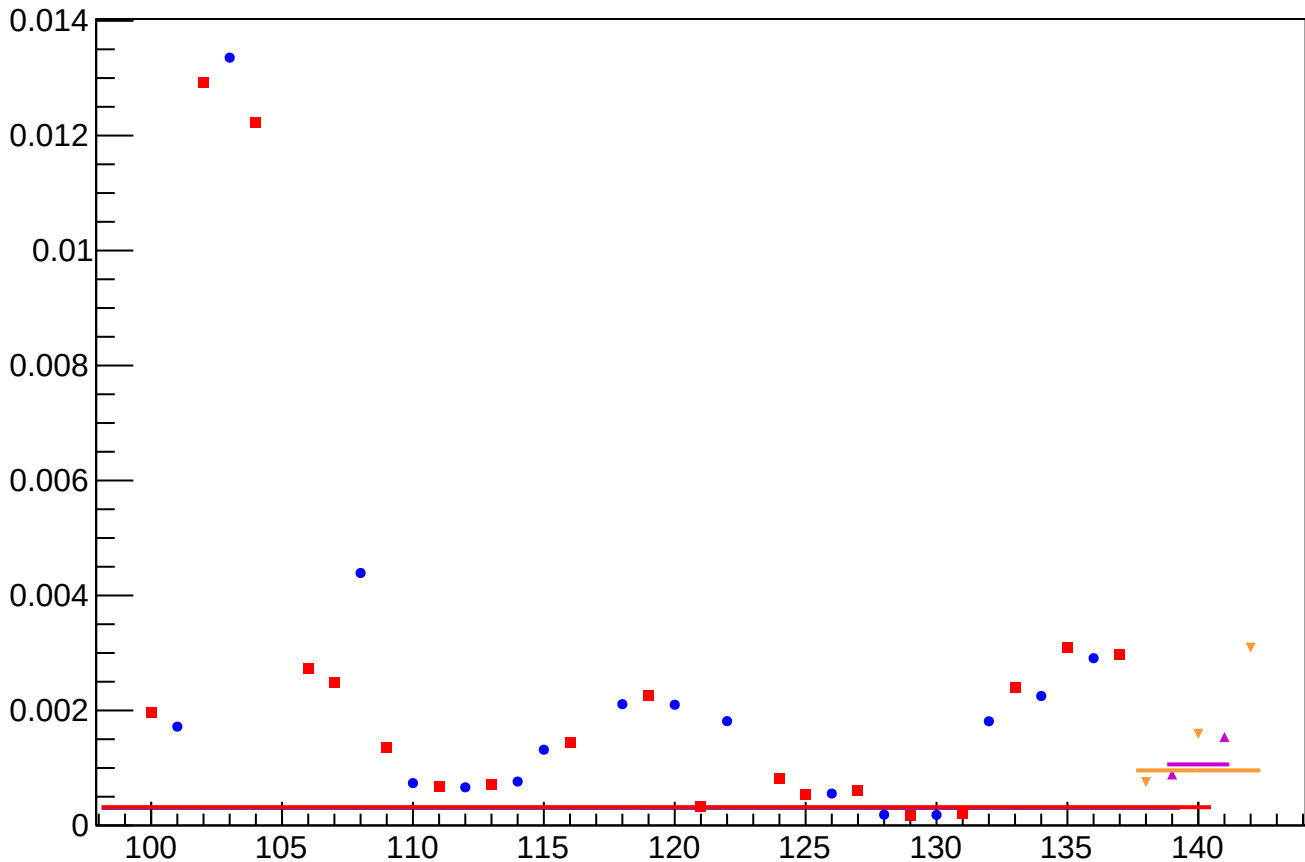
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.7/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 36.9/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/20

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 : 679554.0/2

Right Out: 0.000+/-0.000 χ^2/NDF : 8015537.3/18

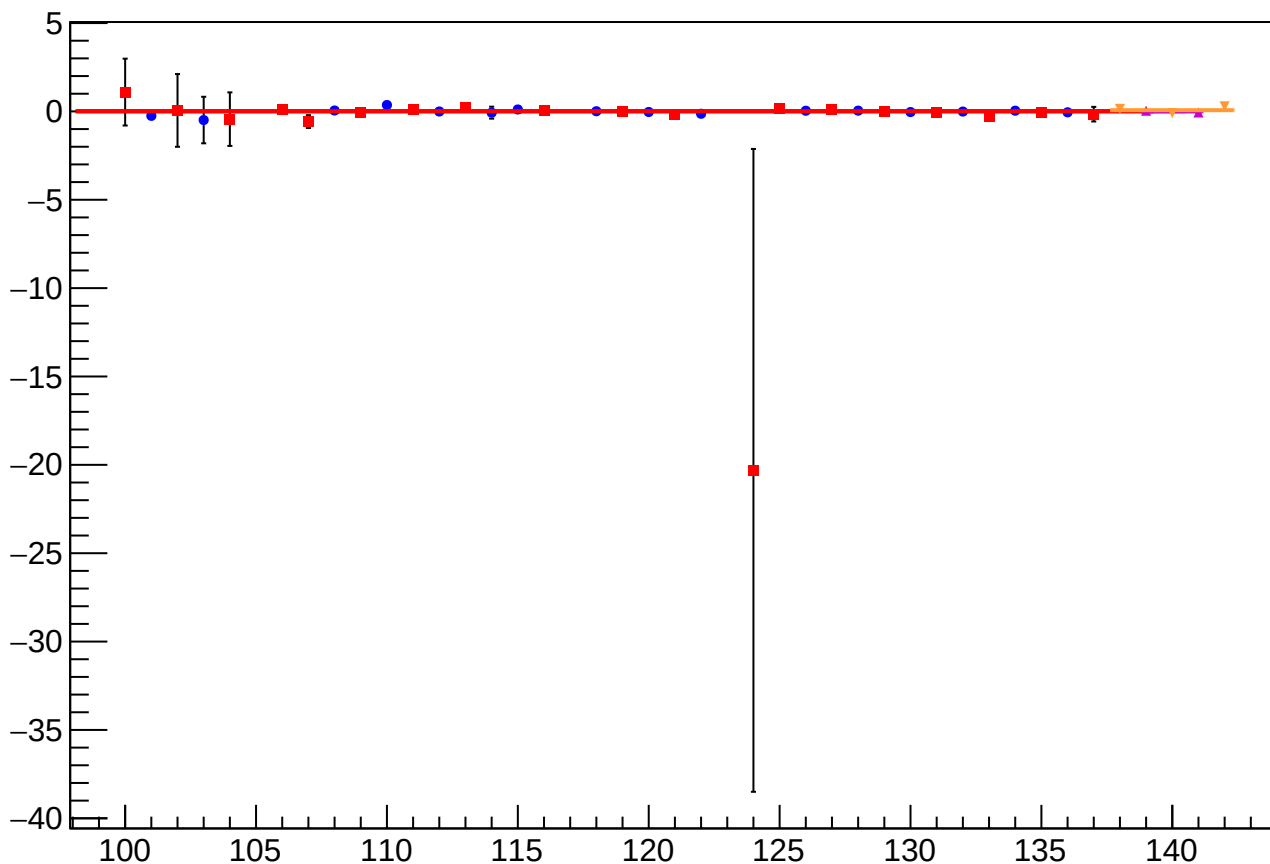
Left In: 0.001+/-0.000 χ^2/NDF : 230231.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 10803496.0/18

All: 0.000+/-0.000 χ^2/NDF : 20511649.3/39

- sign 0.000+/-0.000 χ^2/NDF : 9707148.0/20

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: 0.068 $\pm$ 0.061 χ^2 /NDF: 5.5/2

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

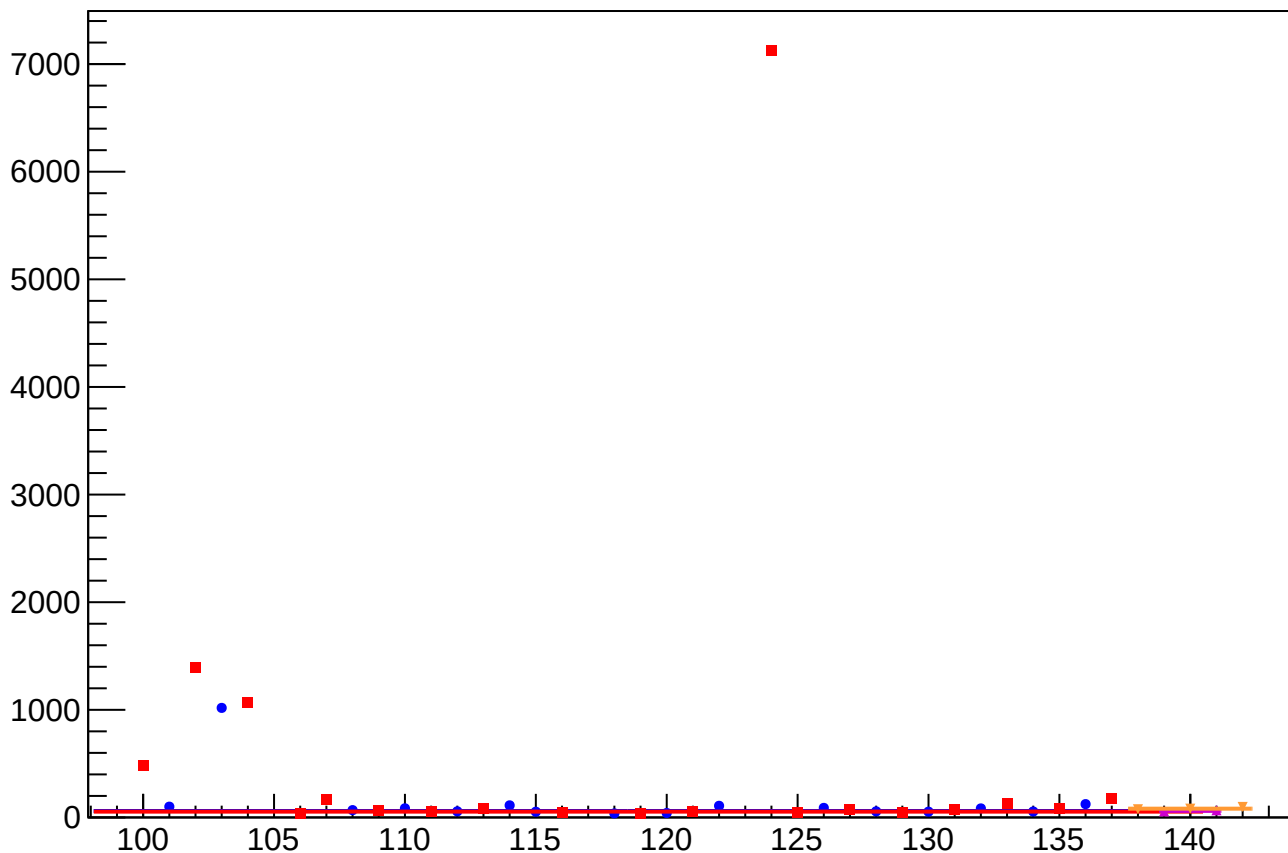
Left In: -0.005 $\pm$ 0.051 χ^2 /NDF: 1.0/1

+ sign 0.014 $\pm$ 0.024 χ^2 /NDF: 17.8/18

All: 0.012 $\pm$ 0.017 χ^2 /NDF: 36.5/39

- sign 0.009 $\pm$ 0.023 χ^2 /NDF: 18.6/20

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF : 2538881.2/15

Left Out: 81.625+/-0.043 χ^2/NDF : 28820.0/2

Right Out: 54.248+/-0.018 χ^2/NDF : 3521640.4/18

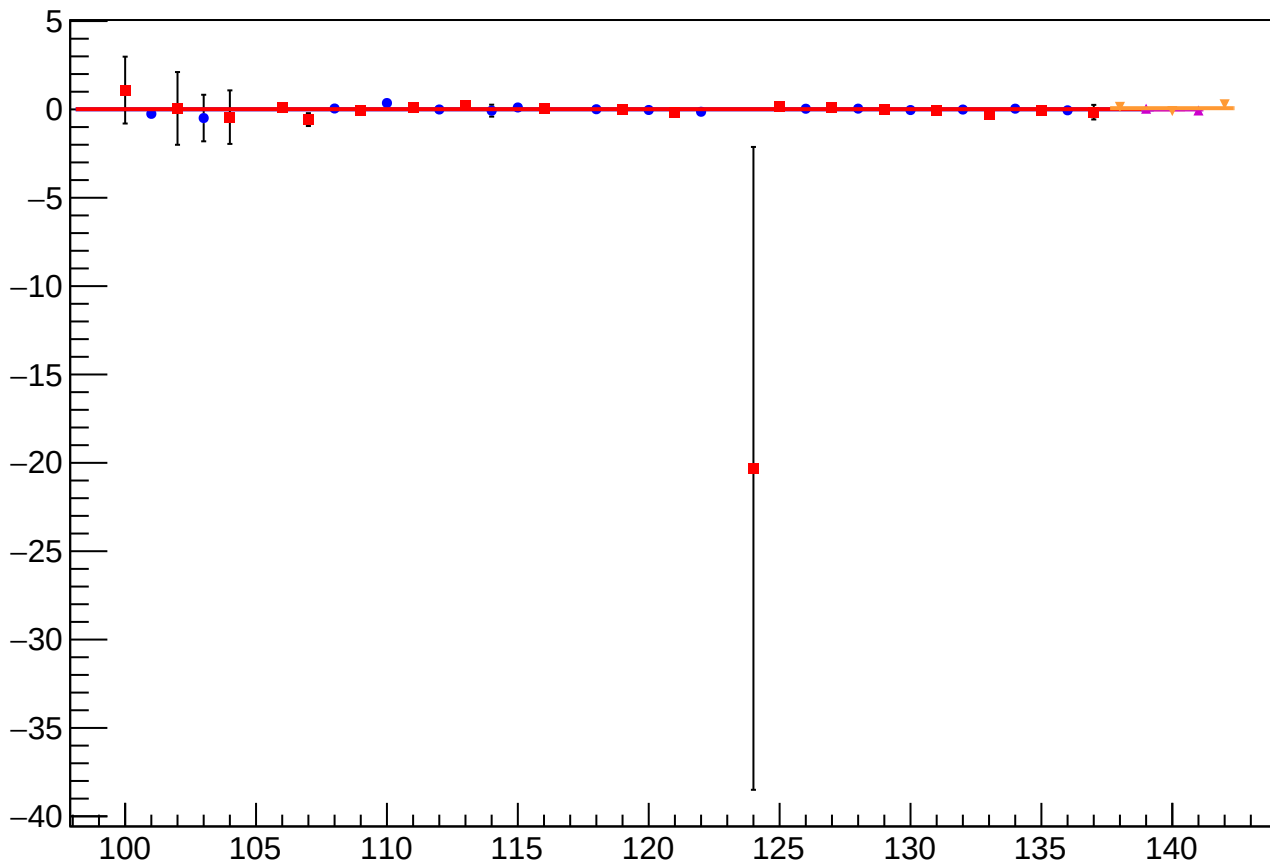
Left In: 61.012+/-0.036 χ^2/NDF : 21252.6/1

+ sign 63.314+/-0.017 χ^2/NDF : 2779789.4/18

All: 59.237+/-0.012 χ^2/NDF : 6455293.7/39

- sign 55.643+/-0.016 χ^2/NDF : 3571239.2/20

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: 0.068 $\pm$ 0.061 χ^2 /NDF: 5.5/2

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

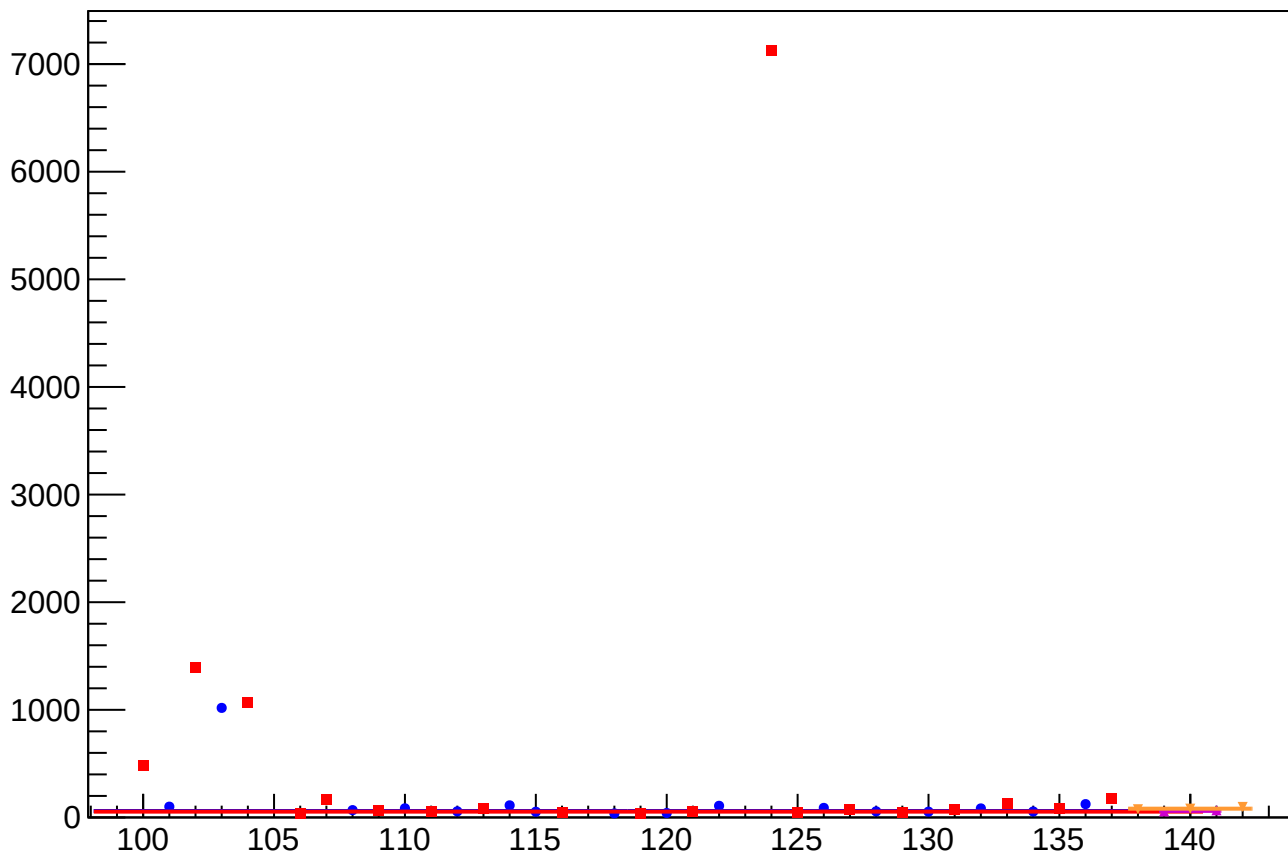
Left In: -0.005 $\pm$ 0.051 χ^2 /NDF: 1.0/1

+ sign 0.014 $\pm$ 0.024 χ^2 /NDF: 17.8/18

All: 0.012 $\pm$ 0.017 χ^2 /NDF: 36.5/39

- sign 0.009 $\pm$ 0.023 χ^2 /NDF: 18.6/20

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF : 2538881.2/15

Left Out: 81.625+/-0.043 χ^2/NDF : 28820.0/2

Right Out: 54.248+/-0.018 χ^2/NDF : 3521640.4/18

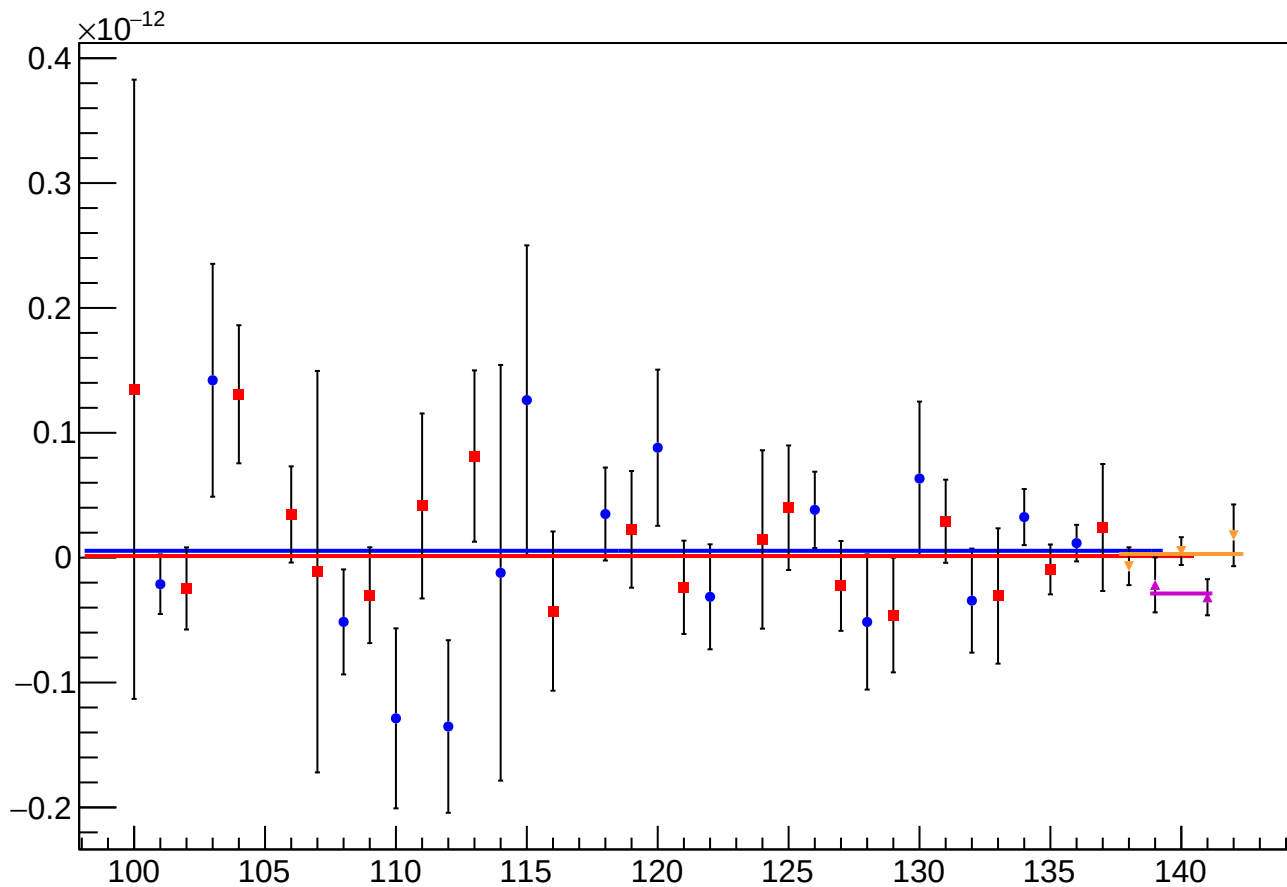
Left In: 61.012+/-0.036 χ^2/NDF : 21252.6/1

+ sign 63.314+/-0.017 χ^2/NDF : 2779789.4/18

All: 59.237+/-0.012 χ^2/NDF : 6455293.7/39

- sign 55.643+/-0.016 χ^2/NDF : 3571239.2/20

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 22.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.8/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.3/18

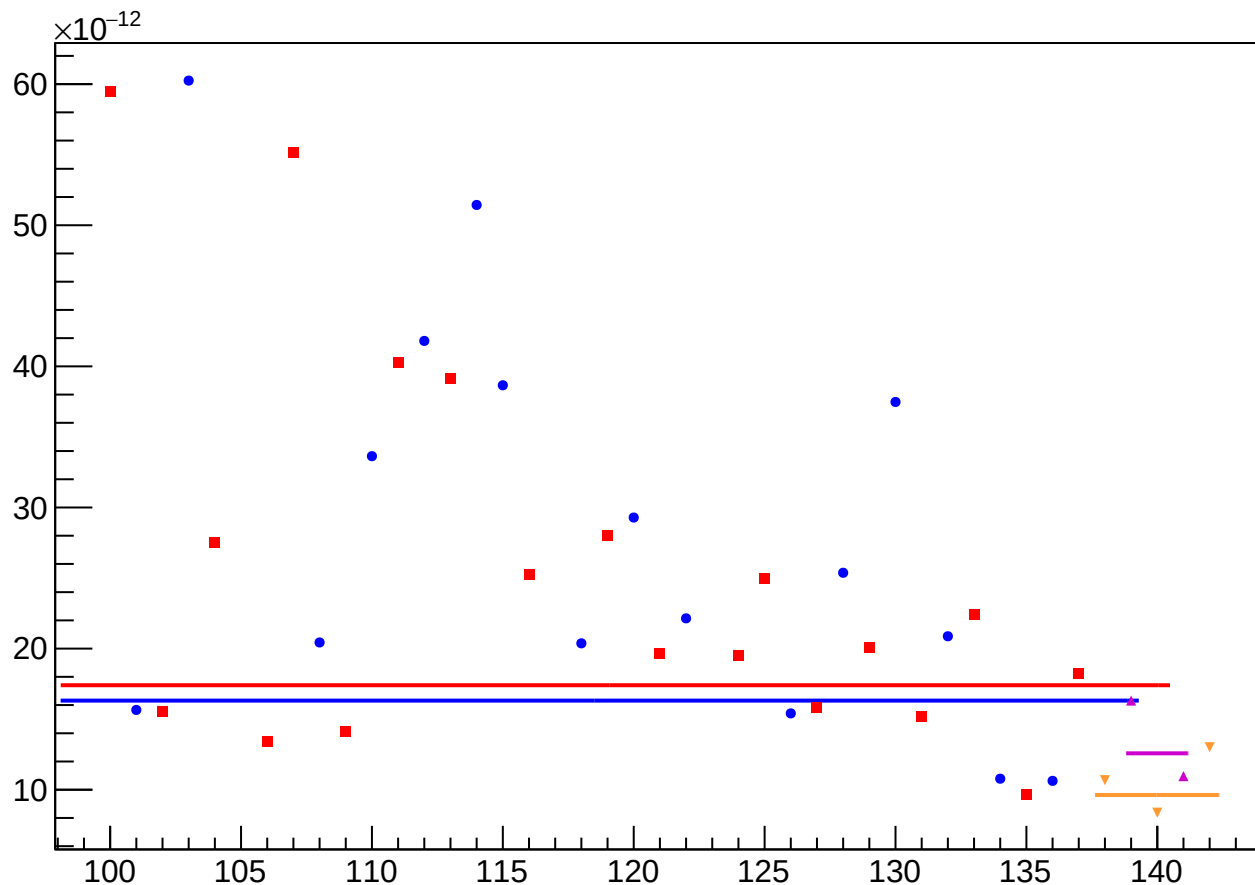
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 23.5/18

All: -0.000 ± 0.000 χ^2/NDF : 44.0/39

- sign -0.000 ± 0.000 χ^2/NDF : 18.2/20

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 : 72508.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1197059.5/18

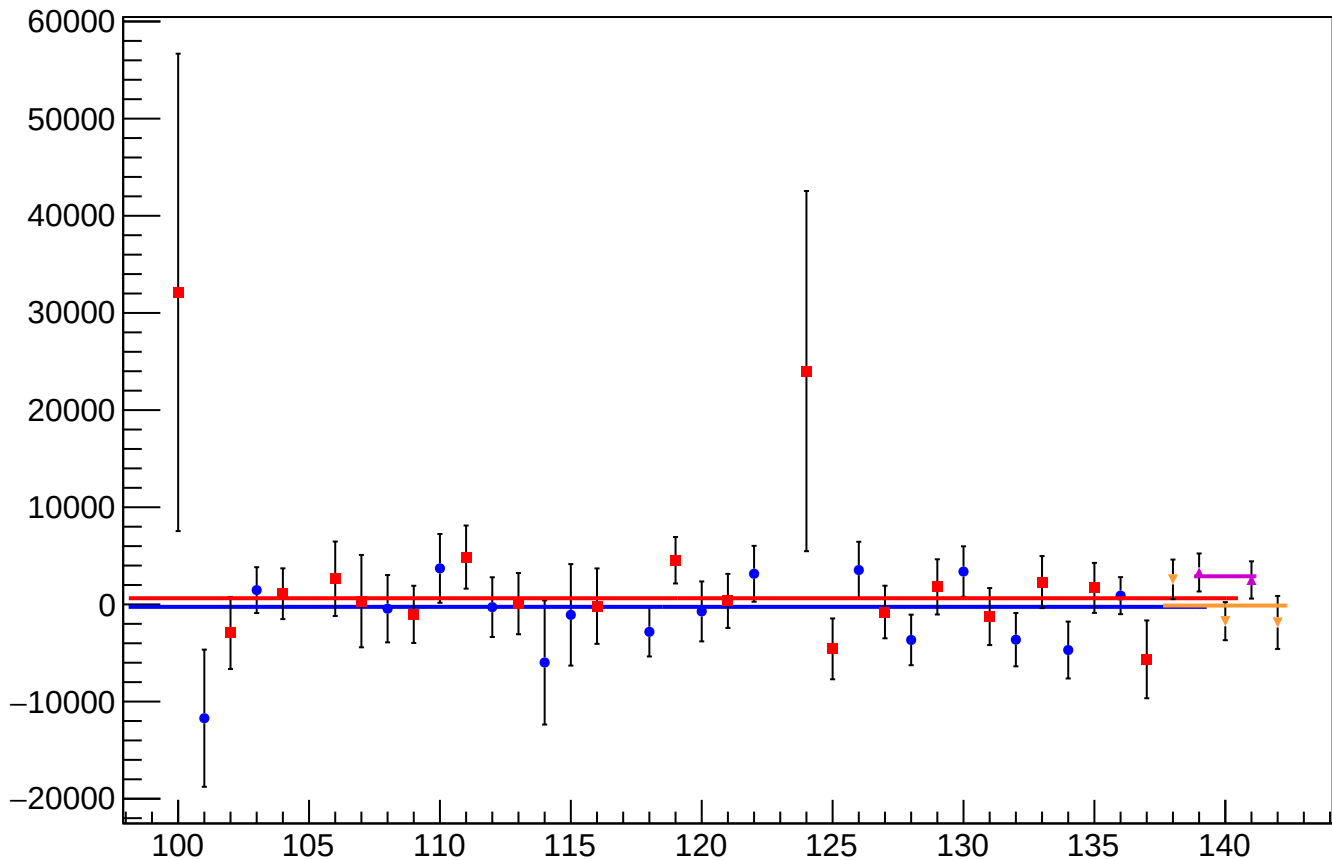
Left In: 0.000+/-0.000 χ^2/NDF : 82737.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 2580608.3/18

All: 0.000+/-0.000 χ^2/NDF : 4197519.5/39

- sign 0.000+/-0.000 χ^2/NDF : 1472398.7/20

reg_asym_at1_dd_mean vs Slug



Right In: -251.297 ± 735.111 χ^2/NDF : 17.3/15

Left Out: -118.545 ± 1254.297 χ^2/NDF : 2.8/2

Right Out: 636.082 ± 735.477 χ^2/NDF : 15.9/18

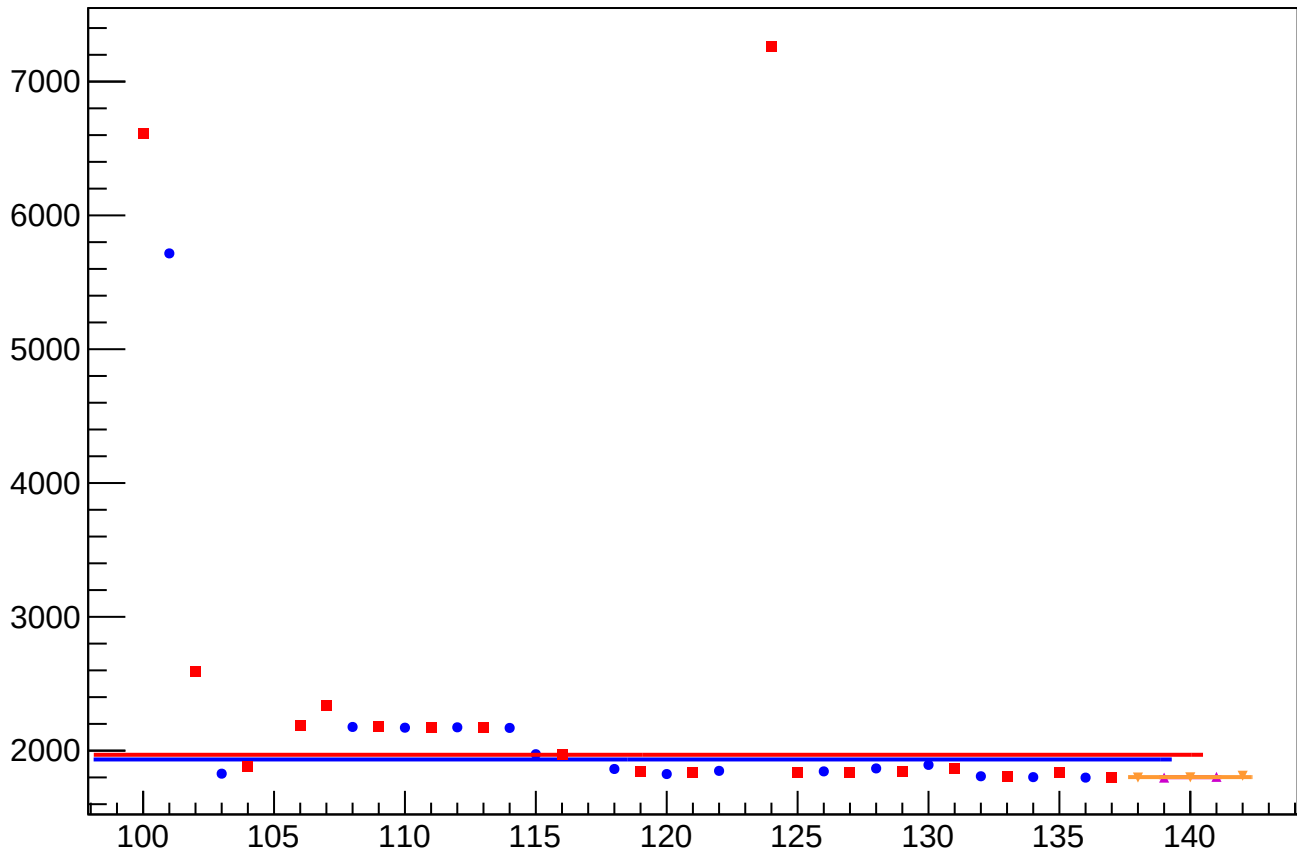
Left In: 2894.460 ± 1369.039 χ^2/NDF : 0.1/1

+ sign -217.357 ± 634.216 χ^2/NDF : 20.1/18

All: 447.758 ± 453.219 χ^2/NDF : 40.4/39

- sign 1141.887 ± 647.901 χ^2/NDF : 18.1/20

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF : 639920.0/15

Left Out: 1802.427+/-0.887 χ^2/NDF : 34.1/2

Right Out: 1969.204+/-0.520 χ^2/NDF : 378378.8/18

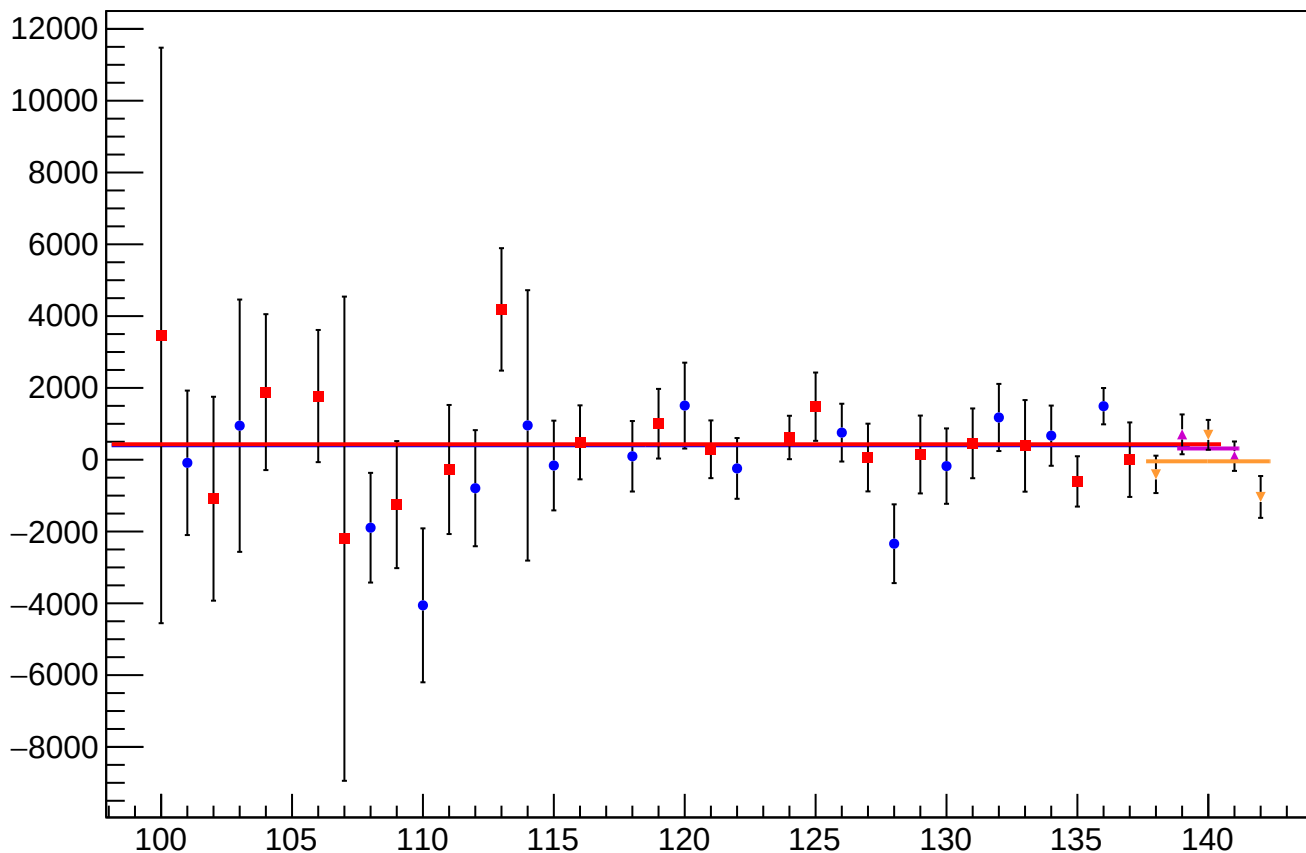
Left In: 1801.639+/-0.968 χ^2/NDF : 8.9/1

+ sign 1900.523+/-0.448 χ^2/NDF : 656388.6/18

All: 1915.766+/-0.320 χ^2/NDF : 1060388.7/39

- sign 1931.675+/-0.458 χ^2/NDF : 401638.9/20

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF : 21.1/15

Left Out: -44.445+/-283.819 χ^2/NDF : 6.5/2

Right Out: 430.066+/-252.823 χ^2/NDF : 11.7/18

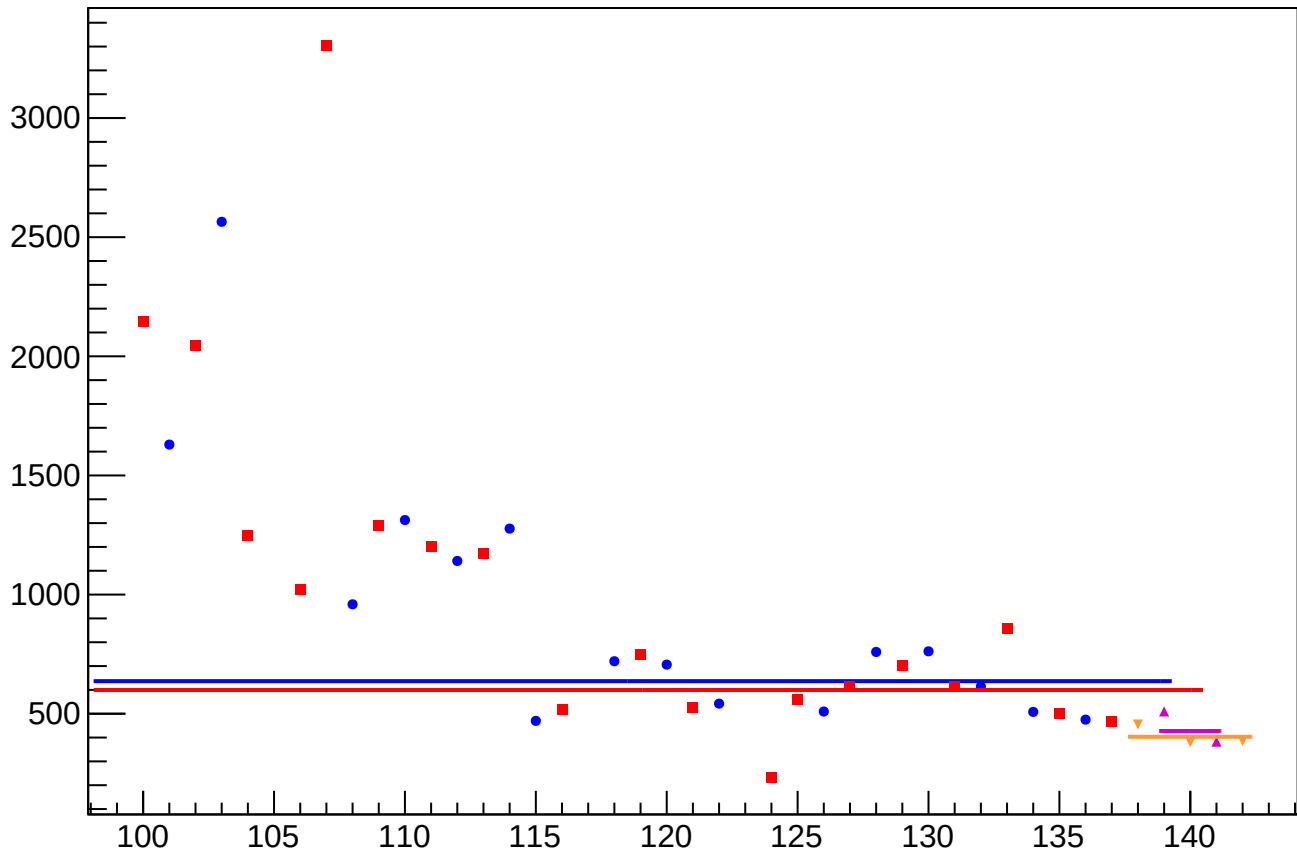
Left In: 312.988+/-329.500 χ^2/NDF : 0.8/1

+ sign 199.854+/-191.143 χ^2/NDF : 29.0/18

All: 288.768+/-138.375 χ^2/NDF : 42.1/39

- sign 386.681+/-200.581 χ^2/NDF : 12.6/20

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700 $\pm$ 0.183 χ^2 /NDF: 2066891.4/15

Left Out: 403.273 $\pm$ 0.201 χ^2 /NDF: 27865.6/2

Right Out: 599.631 $\pm$ 0.179 χ^2 /NDF: 2944100.6/18

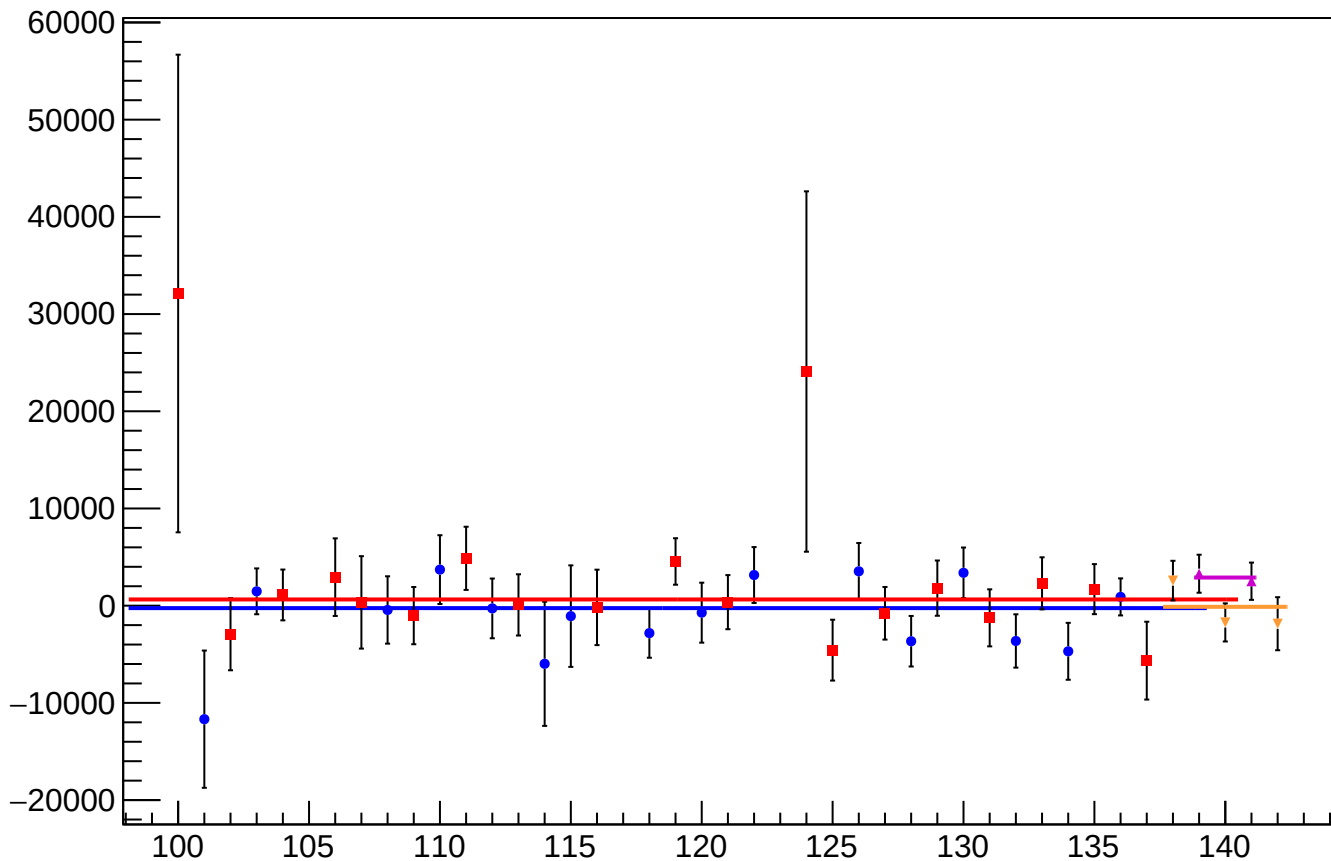
Left In: 427.579 $\pm$ 0.233 χ^2 /NDF: 67639.4/1

+ sign 530.828 $\pm$ 0.135 χ^2 /NDF: 2834012.3/18

All: 533.229 $\pm$ 0.098 χ^2 /NDF: 6189647.1/39

- sign 535.874 $\pm$ 0.142 χ^2 /NDF: 3354971.4/20

cor_asym_at1_dd_mean vs Slug



Right In: -250.487 ± 735.112 $\chi^2/\text{NDF}: 17.2/15$

Left Out: -118.538 ± 1254.297 $\chi^2/\text{NDF}: 2.8/2$

Right Out: 640.865 ± 736.549 $\chi^2/\text{NDF}: 16.0/18$

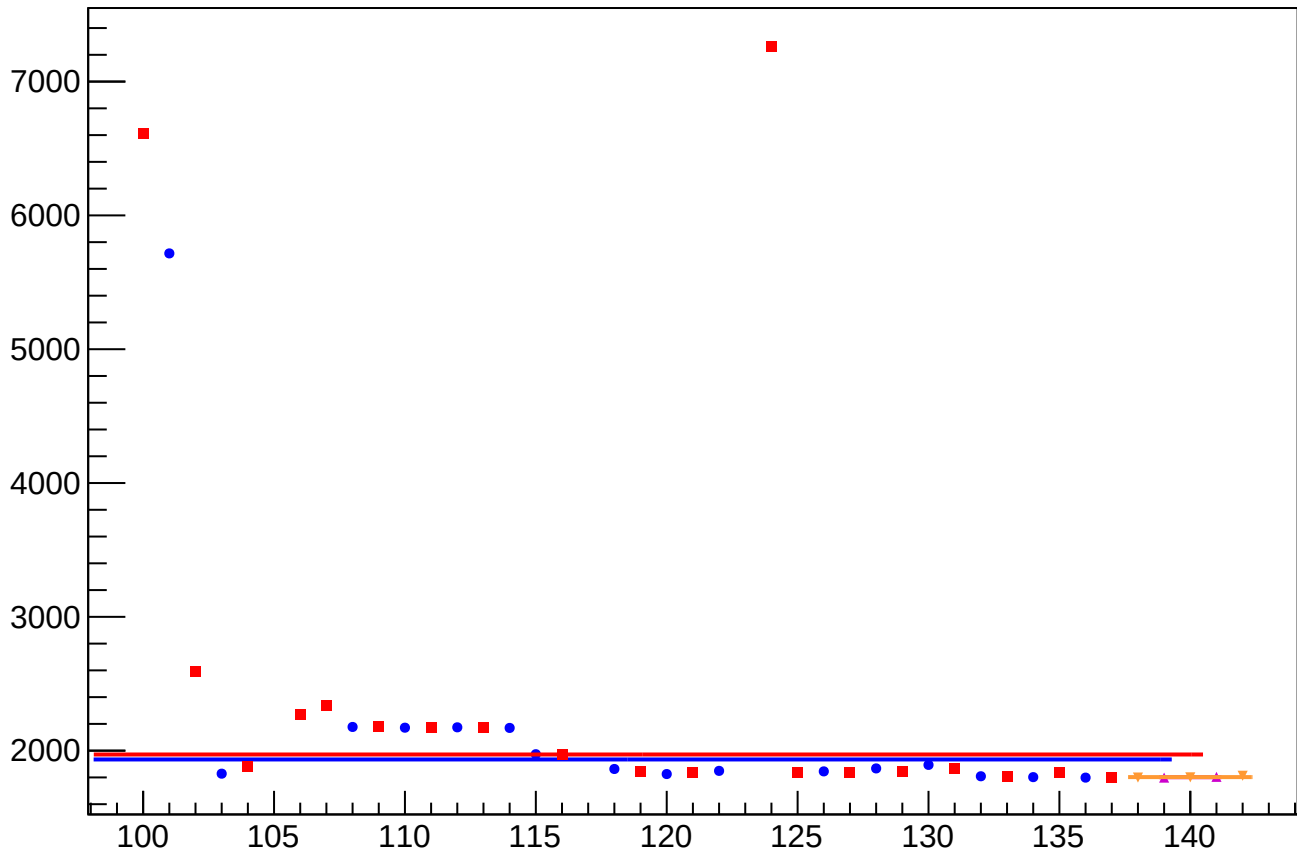
Left In: 2894.450 ± 1369.039 $\chi^2/\text{NDF}: 0.1/1$

+ sign -216.752 ± 634.216 $\chi^2/\text{NDF}: 20.1/18$

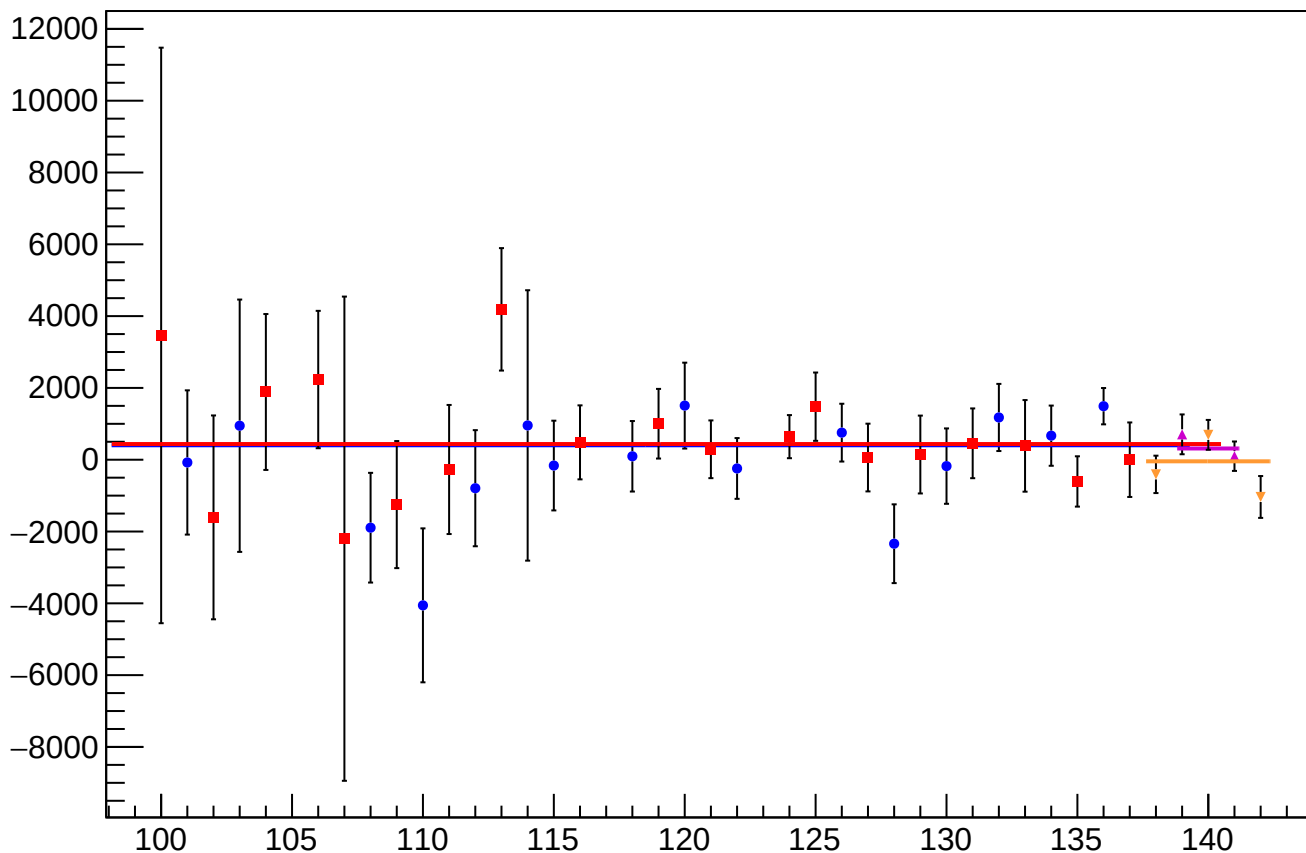
All: 449.670 ± 453.470 $\chi^2/\text{NDF}: 40.5/39$

- sign 1146.737 ± 648.634 $\chi^2/\text{NDF}: 18.1/20$

cor_asym_at1_dd_rms vs Slug



asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF : 21.1/15

Left Out: -44.503+/-283.829 χ^2/NDF : 6.5/2

Right Out: 436.691+/-252.672 χ^2/NDF : 12.4/18

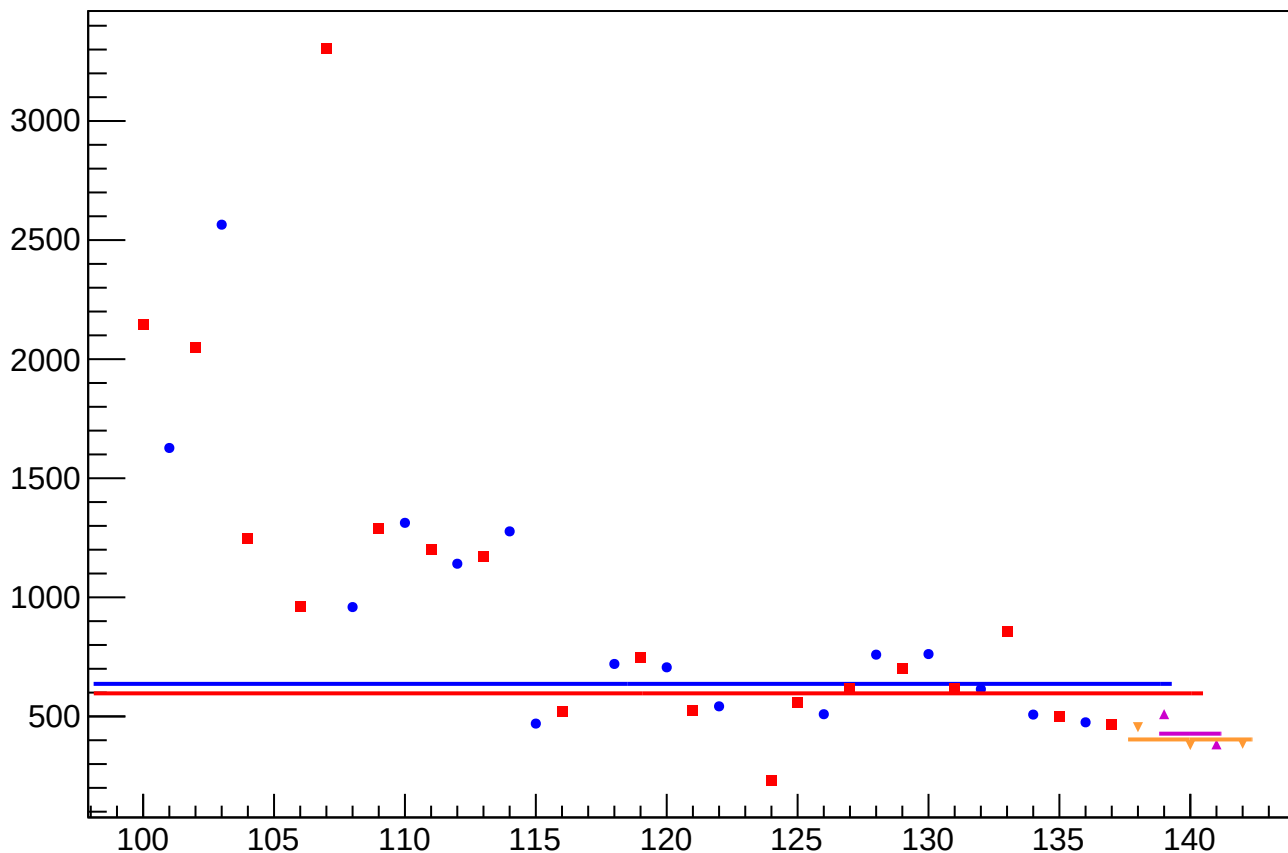
Left In: 313.115+/-329.491 χ^2/NDF : 0.8/1

+ sign 199.885+/-191.141 χ^2/NDF : 29.0/18

All: 290.843+/-138.349 χ^2/NDF : 42.7/39

- sign 390.931+/-200.504 χ^2/NDF : 13.2/20

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698 $\pm$ 0.183 χ^2 /NDF: 2066022.1/15

Left Out: 403.287 $\pm$ 0.201 χ^2 /NDF: 27846.7/2

Right Out: 596.862 $\pm$ 0.179 χ^2 /NDF: 2930443.7/18

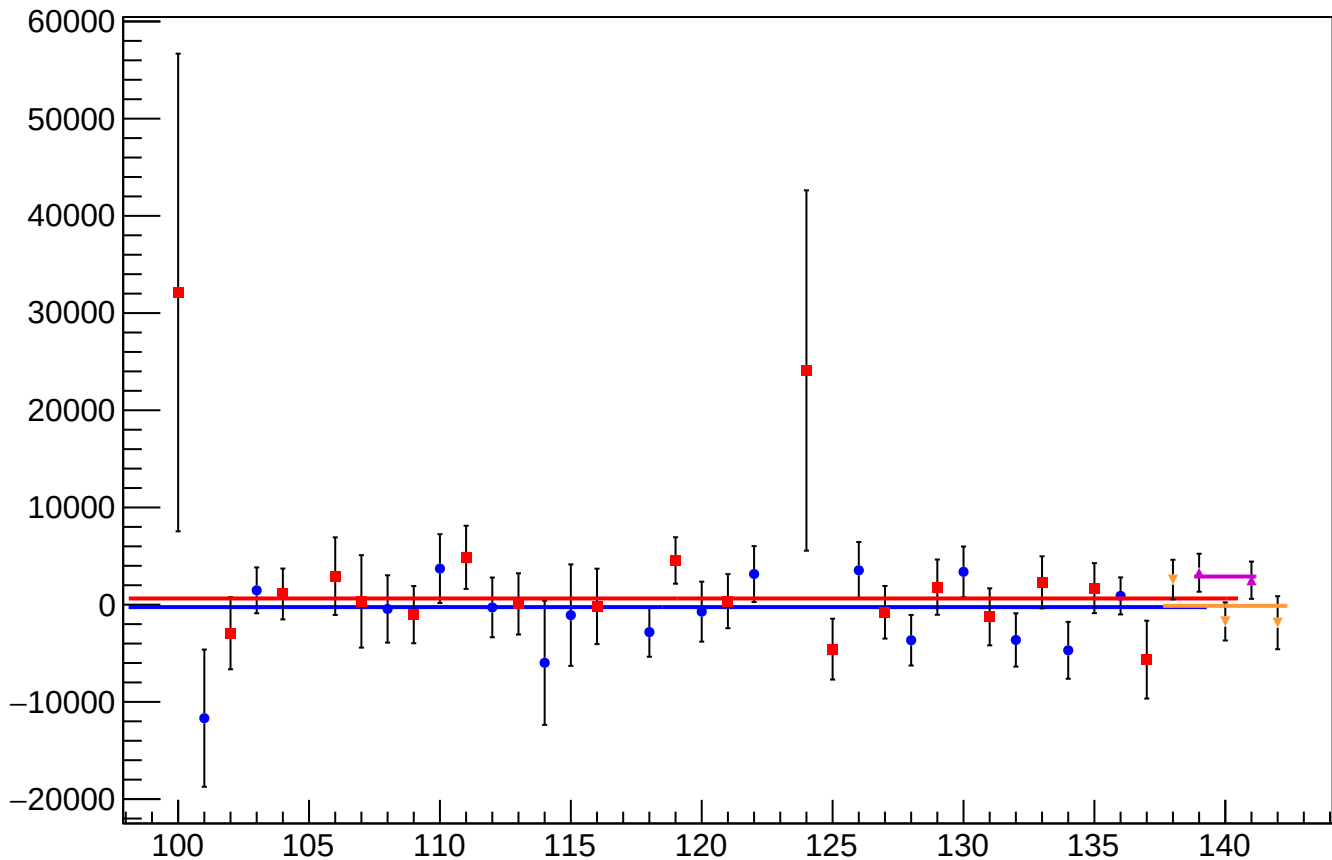
Left In: 427.566 $\pm$ 0.233 χ^2 /NDF: 67634.1/1

+ sign 530.842 $\pm$ 0.135 χ^2 /NDF: 2833019.1/18

All: 532.427 $\pm$ 0.098 χ^2 /NDF: 6163865.9/39

- sign 534.171 $\pm$ 0.142 χ^2 /NDF: 3330557.9/20

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487 ± 735.112 $\chi^2/\text{NDF}: 17.2/15$

Left Out: -118.538 ± 1254.297 $\chi^2/\text{NDF}: 2.8/2$

Right Out: 640.865 ± 736.549 $\chi^2/\text{NDF}: 16.0/18$

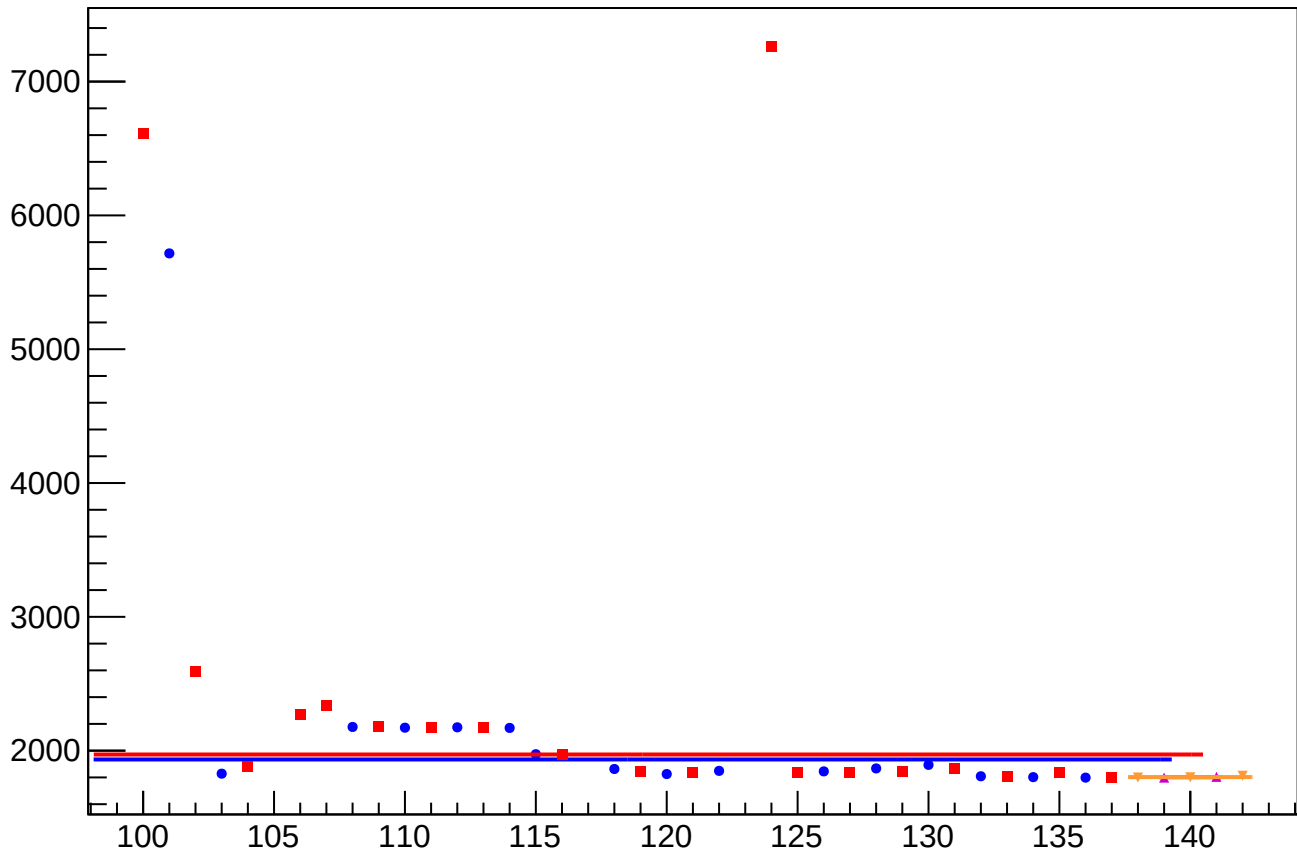
Left In: 2894.450 ± 1369.039 $\chi^2/\text{NDF}: 0.1/1$

+ sign -216.752 ± 634.216 $\chi^2/\text{NDF}: 20.1/18$

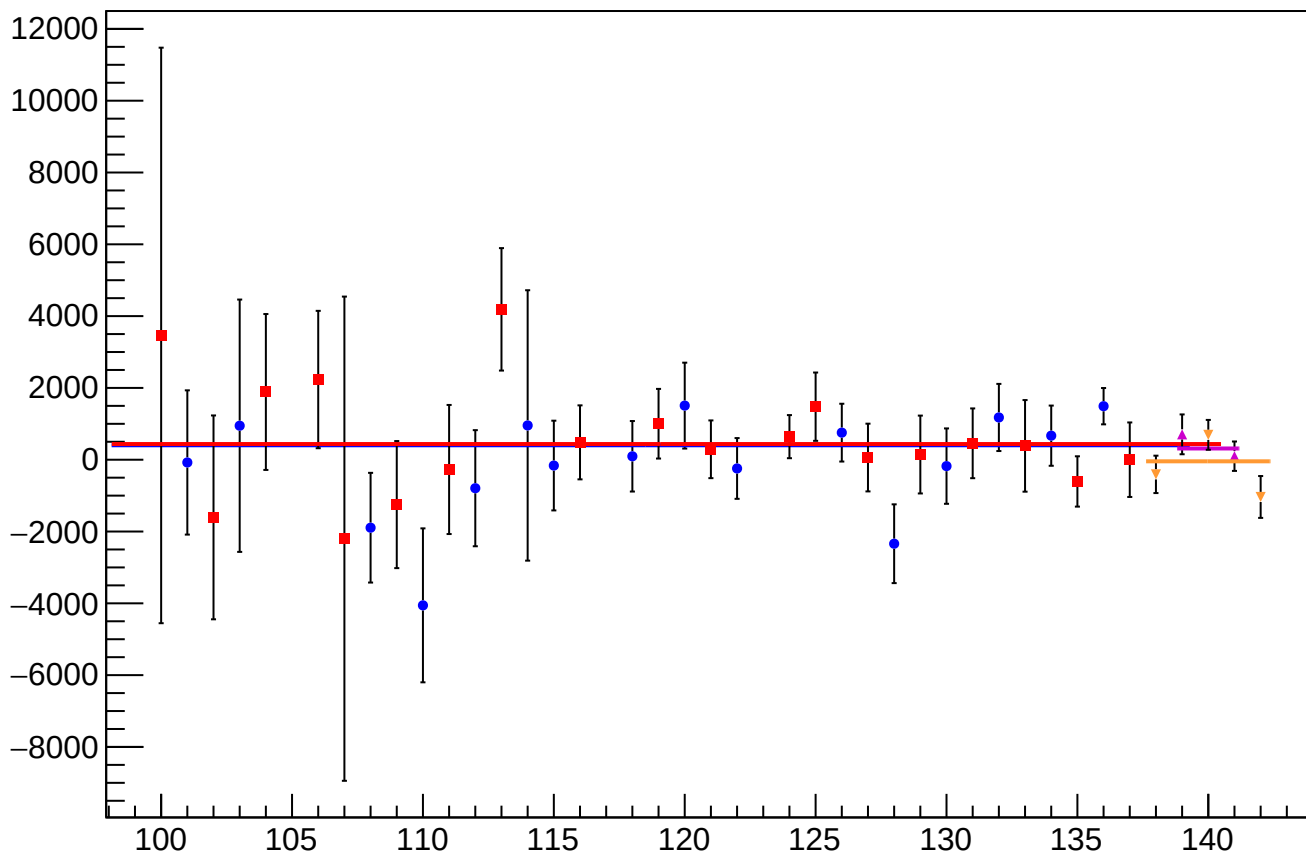
All: 449.670 ± 453.470 $\chi^2/\text{NDF}: 40.5/39$

- sign 1146.737 ± 648.634 $\chi^2/\text{NDF}: 18.1/20$

eigen_cor_asym_at1_dd_rms vs Slug



asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701 $\pm$ 258.564 χ^2 /NDF: 21.1/15

Left Out: -44.503 $\pm$ 283.829 χ^2 /NDF:6.5/2

Right Out: 436.691 $\pm$ 252.672 χ^2 /NDF: 12.4/18

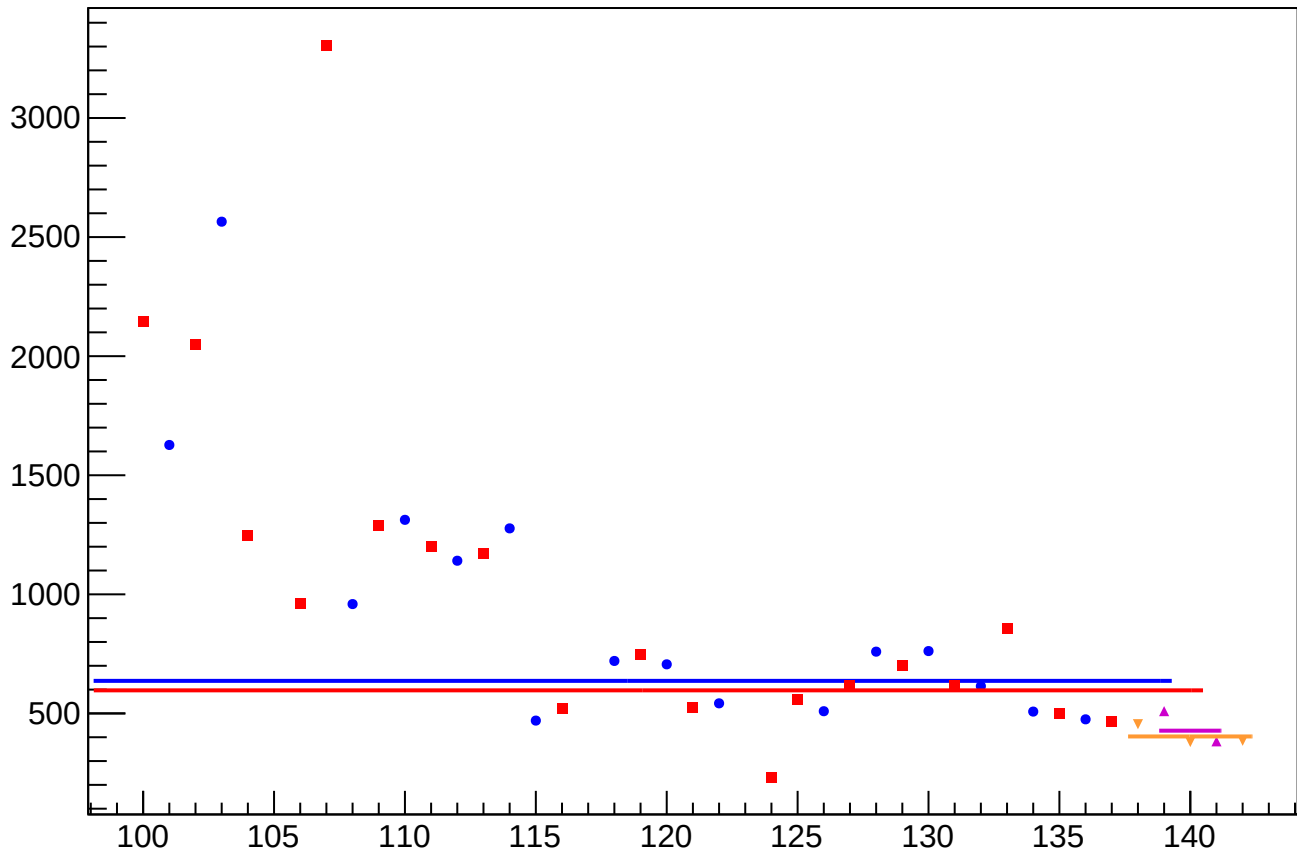
Left In: 313.115 $\pm$ 329.491 χ^2 /NDF:0.8/1

+ sign 199.885 $\pm$ 191.141 χ^2 /NDF: 29.0/18

All: 290.843 $\pm$ 138.349 χ^2 /NDF: 42.7/39

- sign 390.931 $\pm$ 200.504 χ^2 /NDF: 13.2/20

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF : 2066022.1/15

Left Out: 403.287+/-0.201 χ^2/NDF : 27846.7/2

Right Out: 596.862+/-0.179 χ^2/NDF : 2930443.7/18

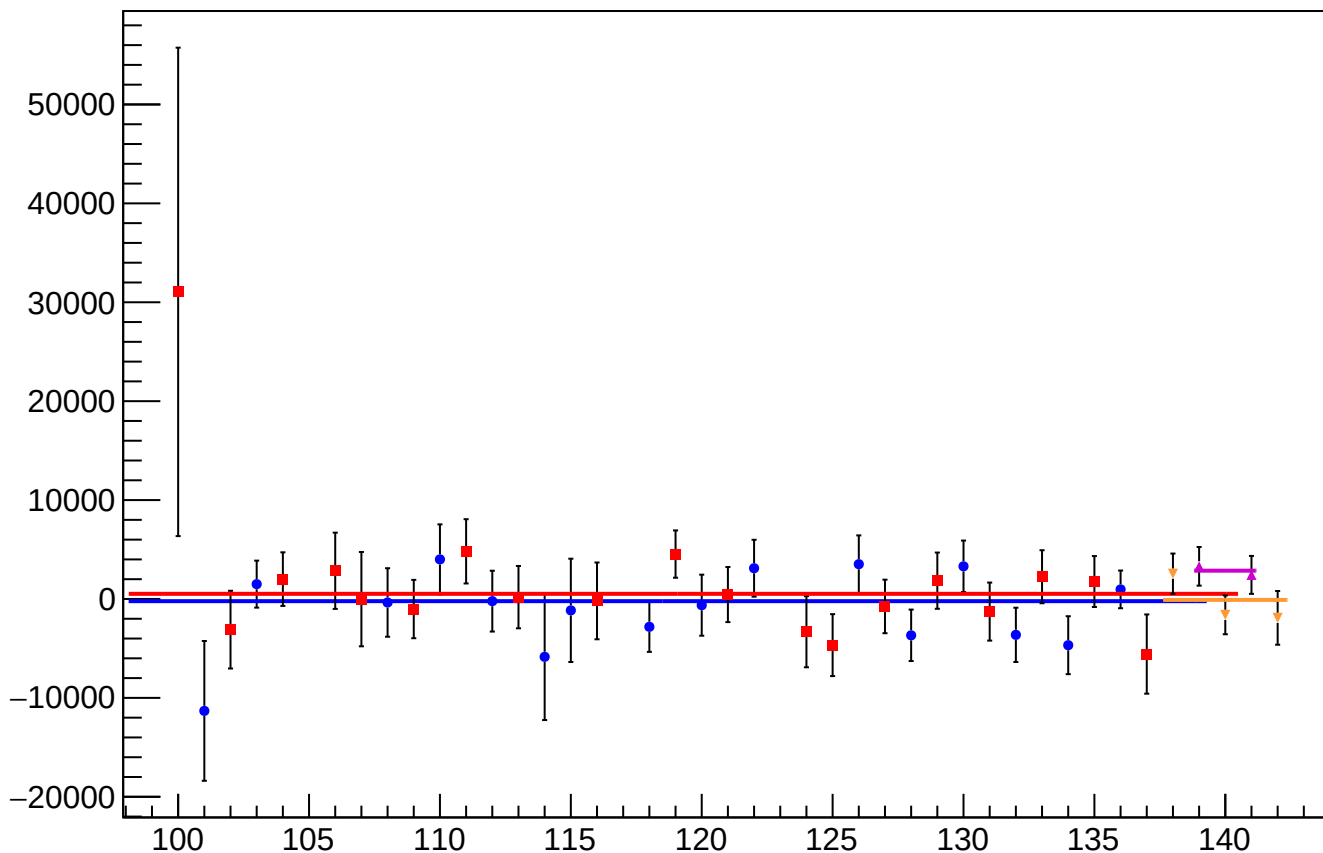
Left In: 427.566+/-0.233 χ^2/NDF : 67634.1/1

+ sign 530.842+/-0.135 χ^2/NDF : 2833019.1/18

All: 532.427+/-0.098 χ^2/NDF : 6163865.9/39

- sign 534.171+/-0.142 χ^2/NDF : 3330557.9/20

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF : 17.1/15

Left Out: -94.507+/-1253.481 χ^2/NDF : 2.7/2

Right Out: 520.265+/-724.980 χ^2/NDF : 15.6/18

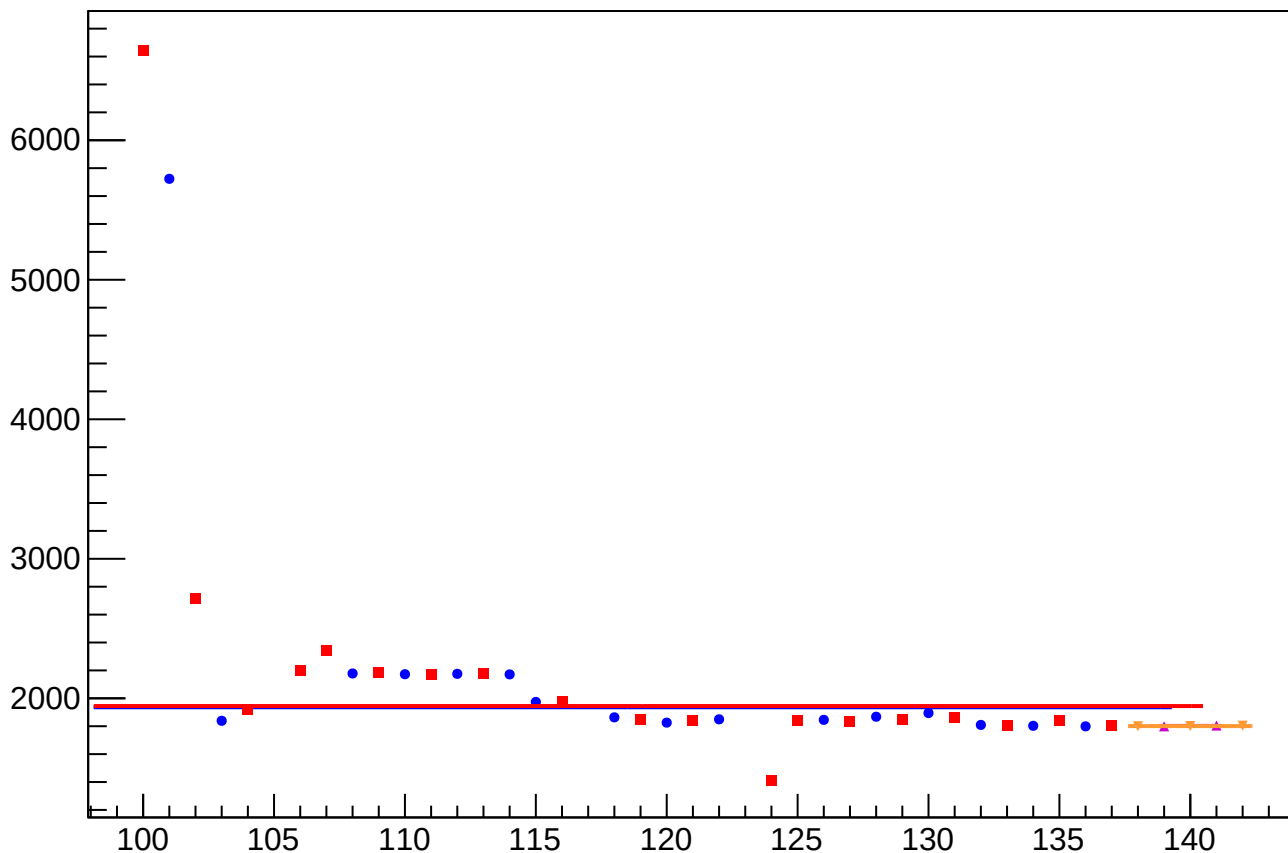
Left In: 2861.193+/-1369.454 χ^2/NDF : 0.1/1

+ sign -188.126+/-634.609 χ^2/NDF : 19.9/18

All: 416.429+/-450.886 χ^2/NDF : 39.7/39

- sign 1032.711+/-640.733 χ^2/NDF : 18.0/20

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974 $\pm$ 0.520 χ^2 /NDF: 639808.0/15

Left Out: 1801.026 $\pm$ 0.886 χ^2 /NDF: 3.0/2

Right Out: 1944.495 $\pm$ 0.513 χ^2 /NDF: 276223.6/18

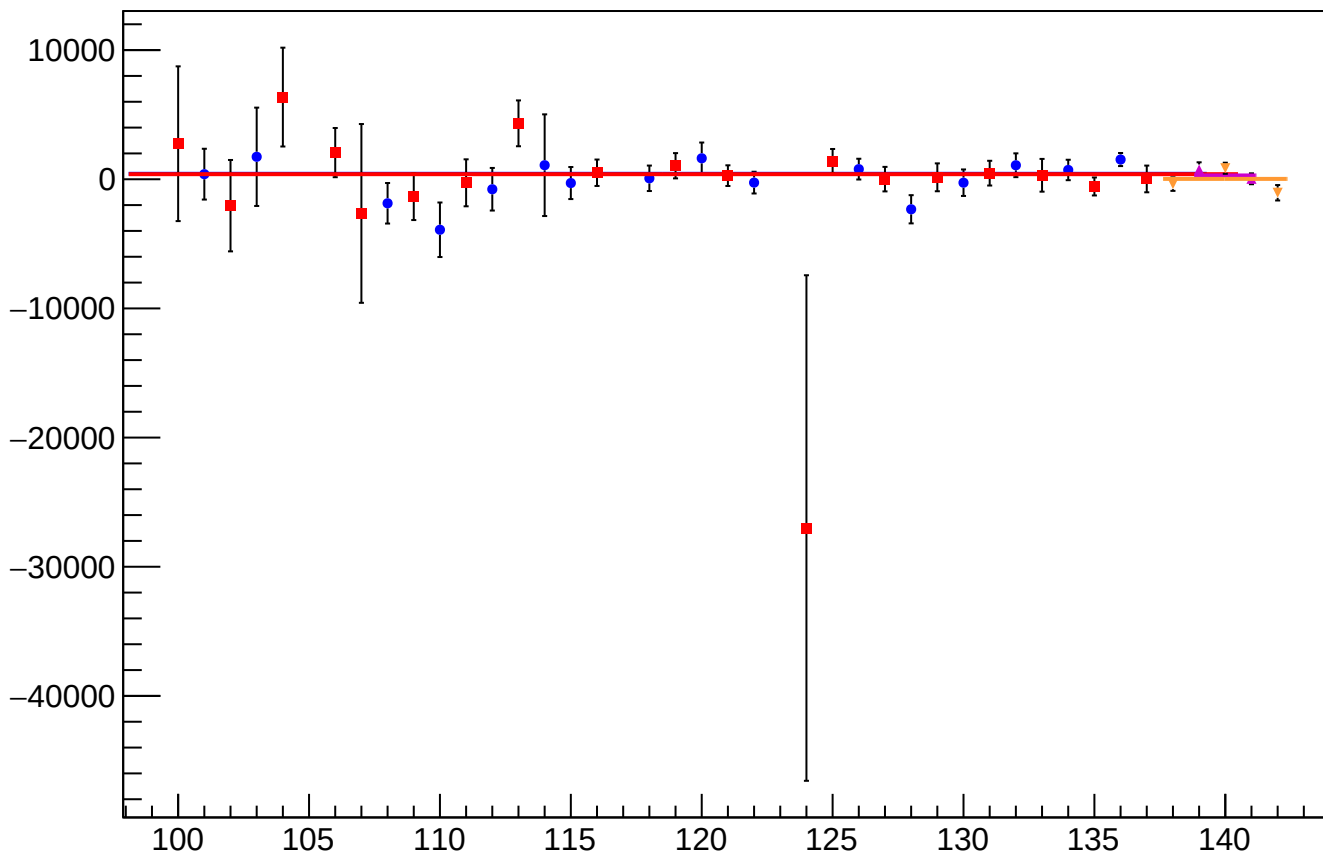
Left In: 1802.185 $\pm$ 0.968 χ^2 /NDF: 8.7/1

+ sign 1901.385 $\pm$ 0.449 χ^2 /NDF: 657050.1/18

All: 1907.306 $\pm$ 0.319 χ^2 /NDF: 950503.8/39

- sign 1913.342 $\pm$ 0.453 χ^2 /NDF: 293102.1/20

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145 $\pm$ 256.749 χ^2 /NDF: 21.5/15

Left Out: 27.882 $\pm$ 290.063 χ^2 /NDF: 7.5/2

Right Out: 393.590 $\pm$ 279.562 χ^2 /NDF: 15.9/18

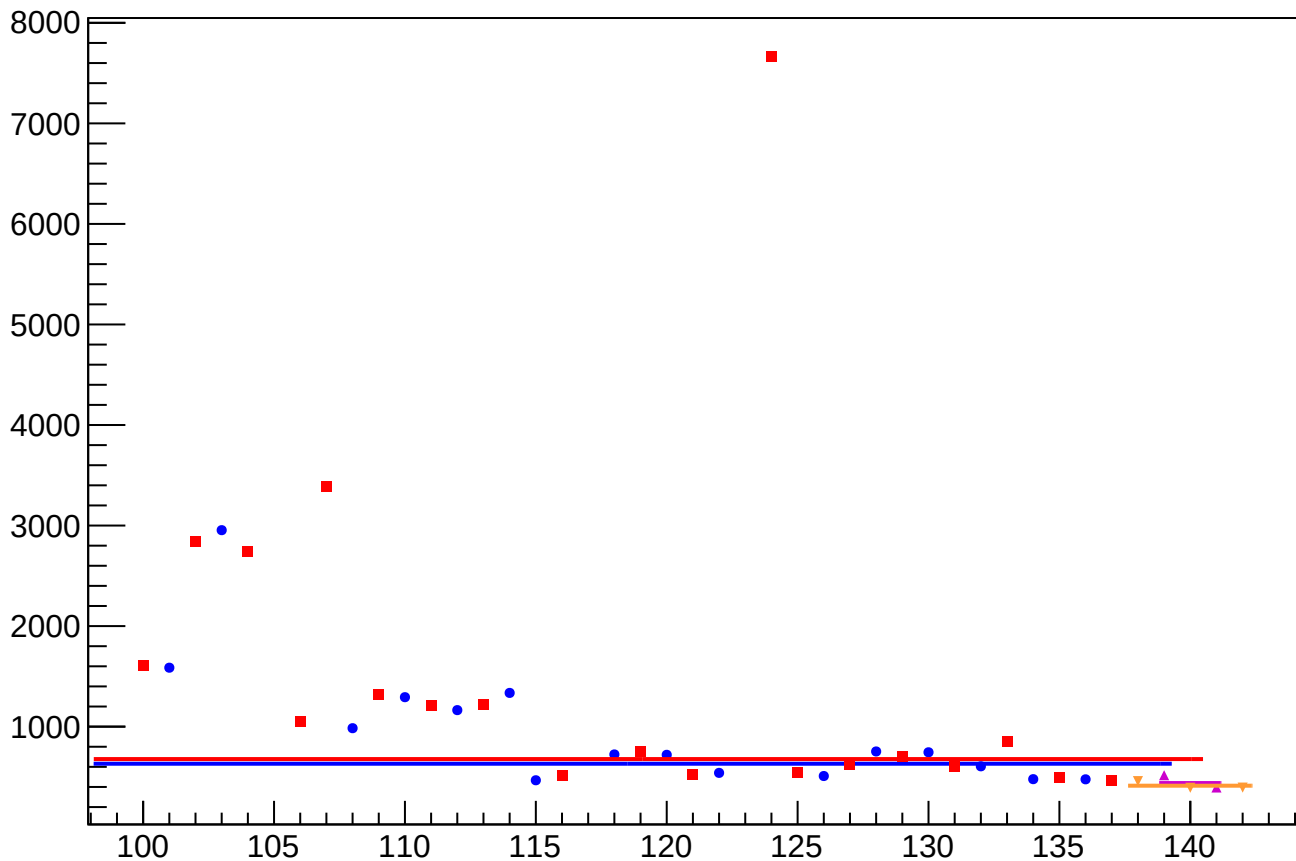
Left In: 293.891 $\pm$ 337.322 χ^2 /NDF: 1.0/1

+ sign 248.384 $\pm$ 192.253 χ^2 /NDF: 30.0/18

All: 294.805 $\pm$ 143.387 χ^2 /NDF: 47.1/39

- sign 352.995 $\pm$ 215.248 χ^2 /NDF: 16.9/20

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF : 2234480.1/15

Left Out: 412.572+/-0.205 χ^2/NDF : 21624.1/2

Right Out: 677.438+/-0.198 χ^2/NDF : 3081569.8/18

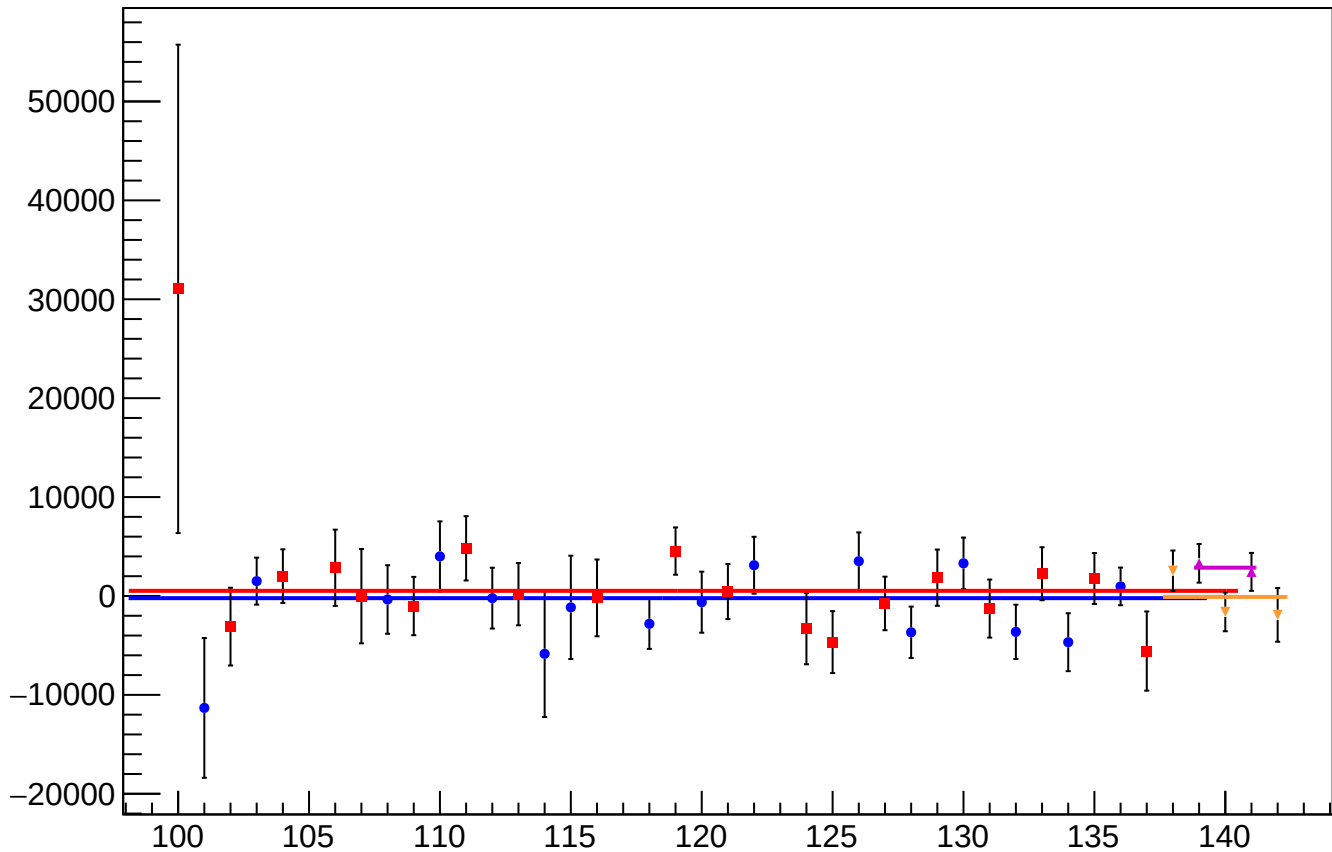
Left In: 438.801+/-0.239 χ^2/NDF : 60318.1/1

+ sign 535.122+/-0.136 χ^2/NDF : 2892821.2/18

All: 555.156+/-0.101 χ^2/NDF : 6677032.2/39

- sign 580.269+/-0.152 χ^2/NDF : 3735270.1/20

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF : 17.1/15

Left Out: -94.508+/-1253.481 χ^2/NDF : 2.7/2

Right Out: 520.265+/-724.980 χ^2/NDF : 15.6/18

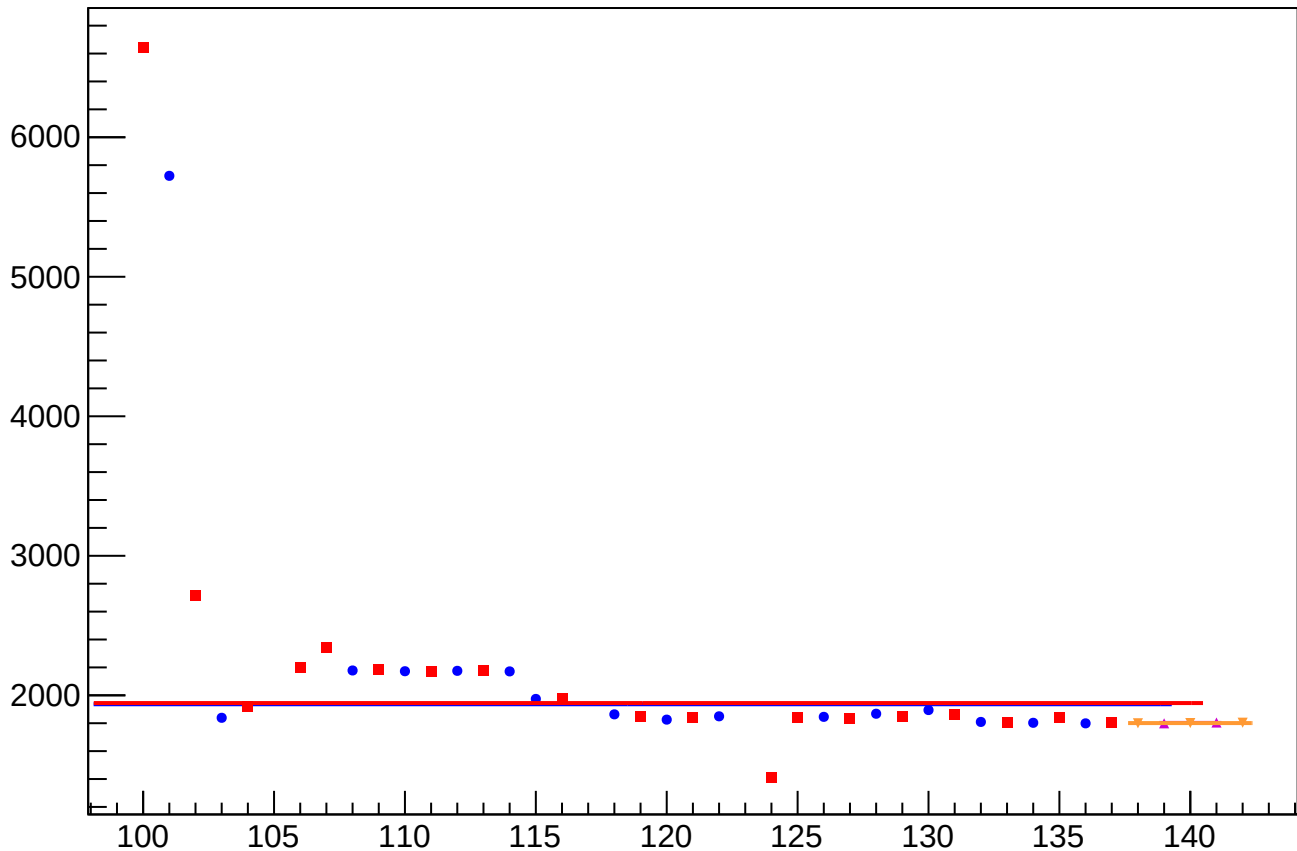
Left In: 2861.193+/-1369.454 χ^2/NDF : 0.1/1

+ sign -188.127+/-634.608 χ^2/NDF : 19.9/18

All: 416.429+/-450.886 χ^2/NDF : 39.7/39

- sign 1032.711+/-640.733 χ^2/NDF : 18.0/20

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974 $\pm$ 0.520 χ^2 /NDF: 639808.0/15

Left Out: 1801.026 $\pm$ 0.886 χ^2 /NDF:3.0/2

+ sign 1901.385 $\pm$ 0.449 χ^2 /NDF: 657050.1/18

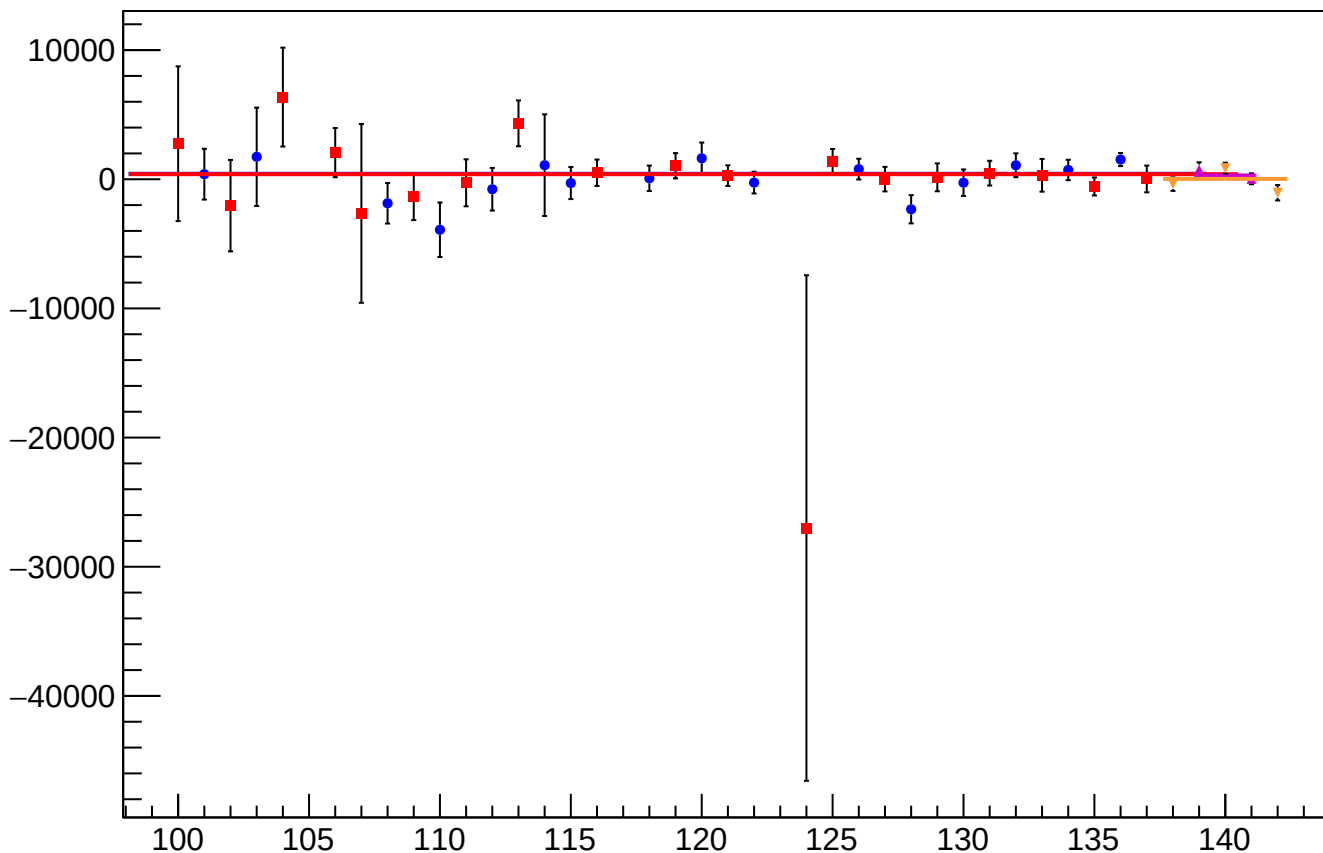
Right Out: 1944.495 $\pm$ 0.513 χ^2 /NDF: 276223.5/18

All: 1907.306 $\pm$ 0.319 χ^2 /NDF: 950503.6/39

Left In: 1802.185 $\pm$ 0.968 χ^2 /NDF:8.7/1

- sign 1913.342 $\pm$ 0.453 χ^2 /NDF: 293101.9/20

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144 $\pm$ 256.749 χ^2 /NDF: 21.5/15

Left Out: 27.884 $\pm$ 290.063 χ^2 /NDF: 7.5/2

Right Out: 393.591 $\pm$ 279.562 χ^2 /NDF: 15.9/18

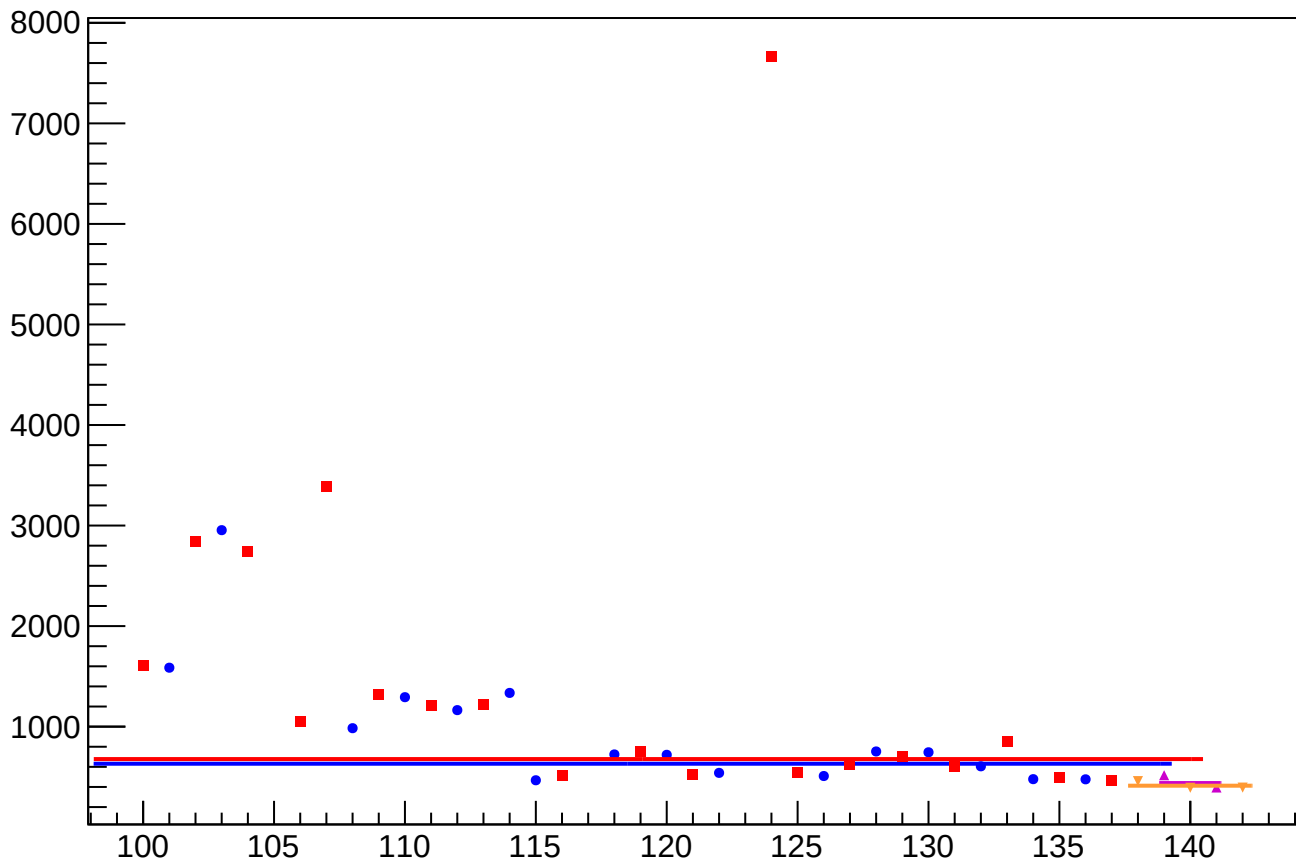
Left In: 293.891 $\pm$ 337.321 χ^2 /NDF: 1.0/1

+ sign 248.384 $\pm$ 192.253 χ^2 /NDF: 30.0/18

All: 294.805 $\pm$ 143.386 χ^2 /NDF: 47.1/39

- sign 352.995 $\pm$ 215.248 χ^2 /NDF: 16.9/20

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF : 2234479.1/15

Left Out: 412.572+/-0.205 χ^2/NDF : 21623.2/2

Right Out: 677.437+/-0.198 χ^2/NDF : 3081570.5/18

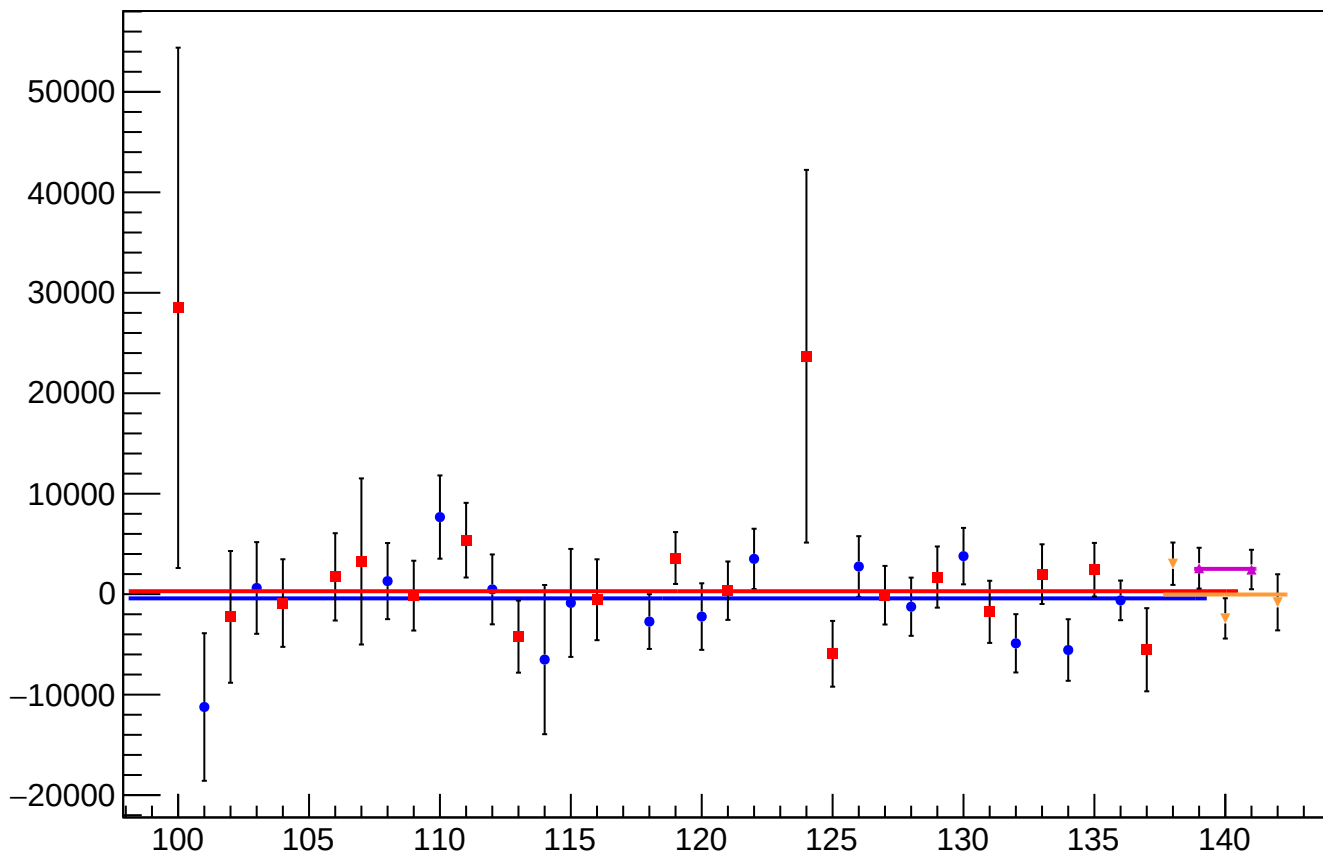
Left In: 438.801+/-0.239 χ^2/NDF : 60318.5/1

+ sign 535.122+/-0.136 χ^2/NDF : 2892820.2/18

All: 555.156+/-0.101 χ^2/NDF : 6677036.1/39

- sign 580.268+/-0.152 χ^2/NDF : 3735275.9/20

asym_at1_dd_mean vs Slug



Right In: -417.662 ± 815.370 χ^2/NDF : 18.3/15

Left Out: -33.073 ± 1288.996 χ^2/NDF : 3.6/2

Right Out: 294.527 ± 831.610 χ^2/NDF : 15.6/18

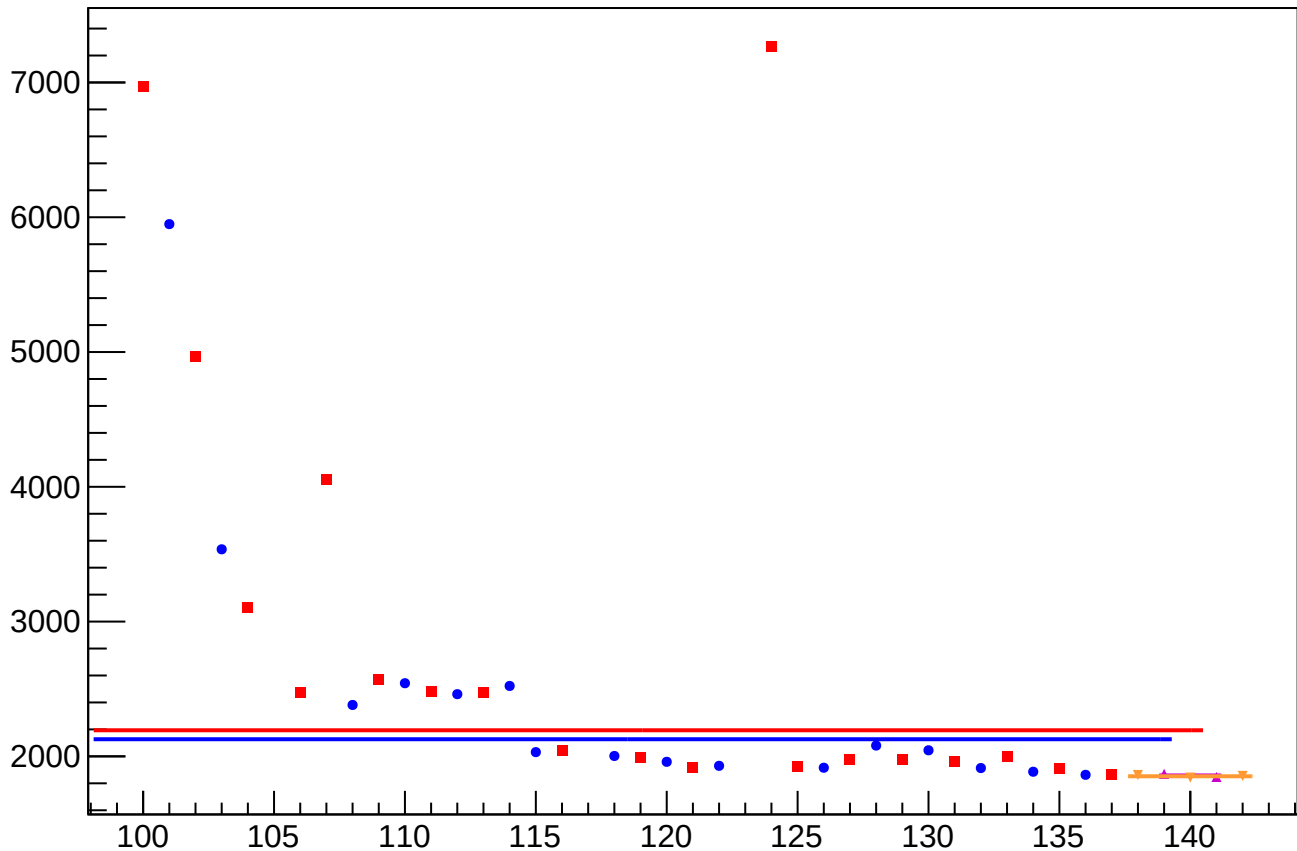
Left In: 2518.900 ± 1412.251 χ^2/NDF : 0.0/1

+ sign -307.753 ± 689.080 χ^2/NDF : 22.0/18

All: 256.749 ± 496.697 χ^2/NDF : 40.9/39

- sign 867.239 ± 716.599 χ^2/NDF : 17.5/20

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF : 875078.1/15

Left Out: 1852.252+/-0.911 χ^2/NDF :90.2/2

Right Out: 2193.560+/-0.588 χ^2/NDF : 942581.2/18

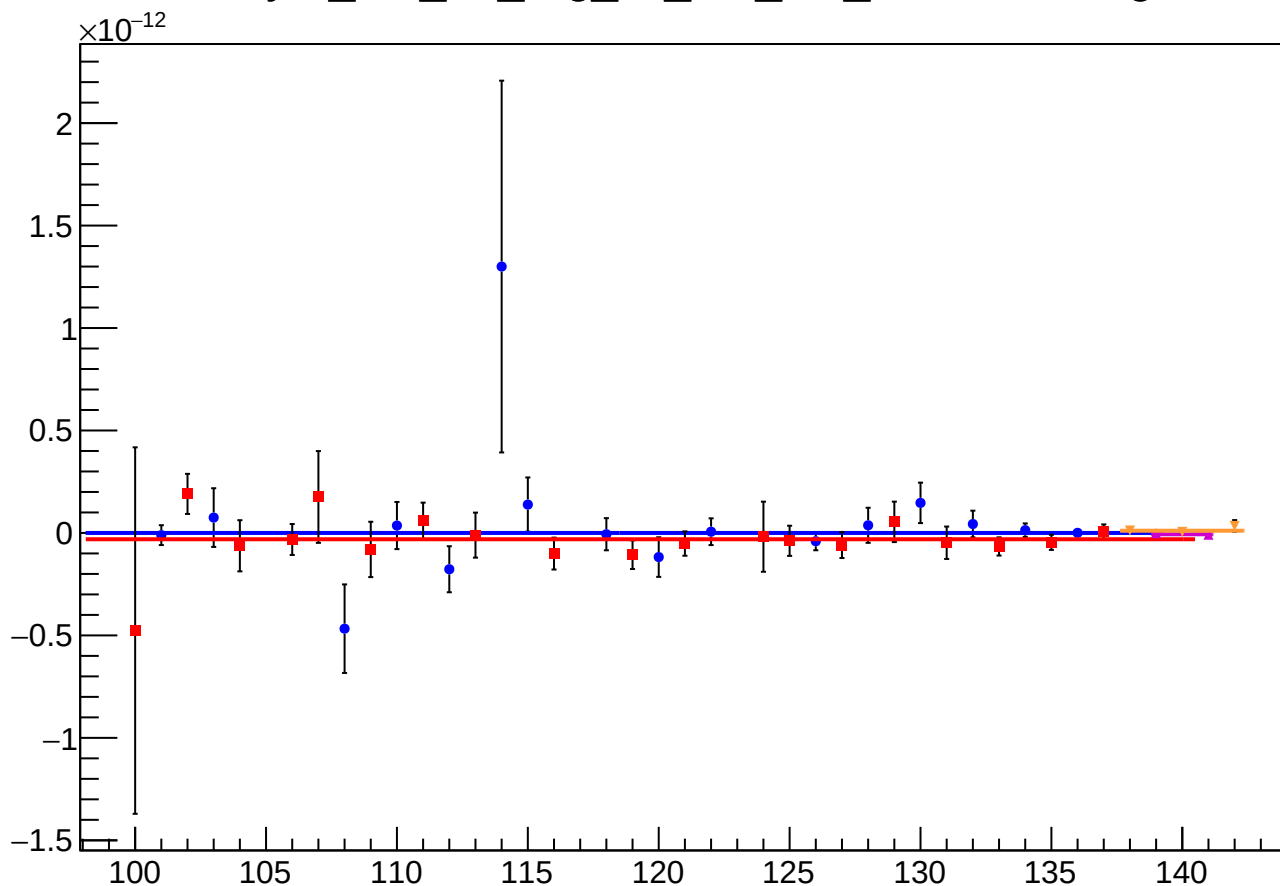
Left In: 1858.462+/-0.999 χ^2/NDF :134.1/1

+ sign 2048.511+/-0.487 χ^2/NDF : 940084.9/18

All: 2076.747+/-0.351 χ^2/NDF : 1973400.6/39

- sign 2107.282+/-0.507 χ^2/NDF : 1026326.2/20

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 : 0.8/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.4/18

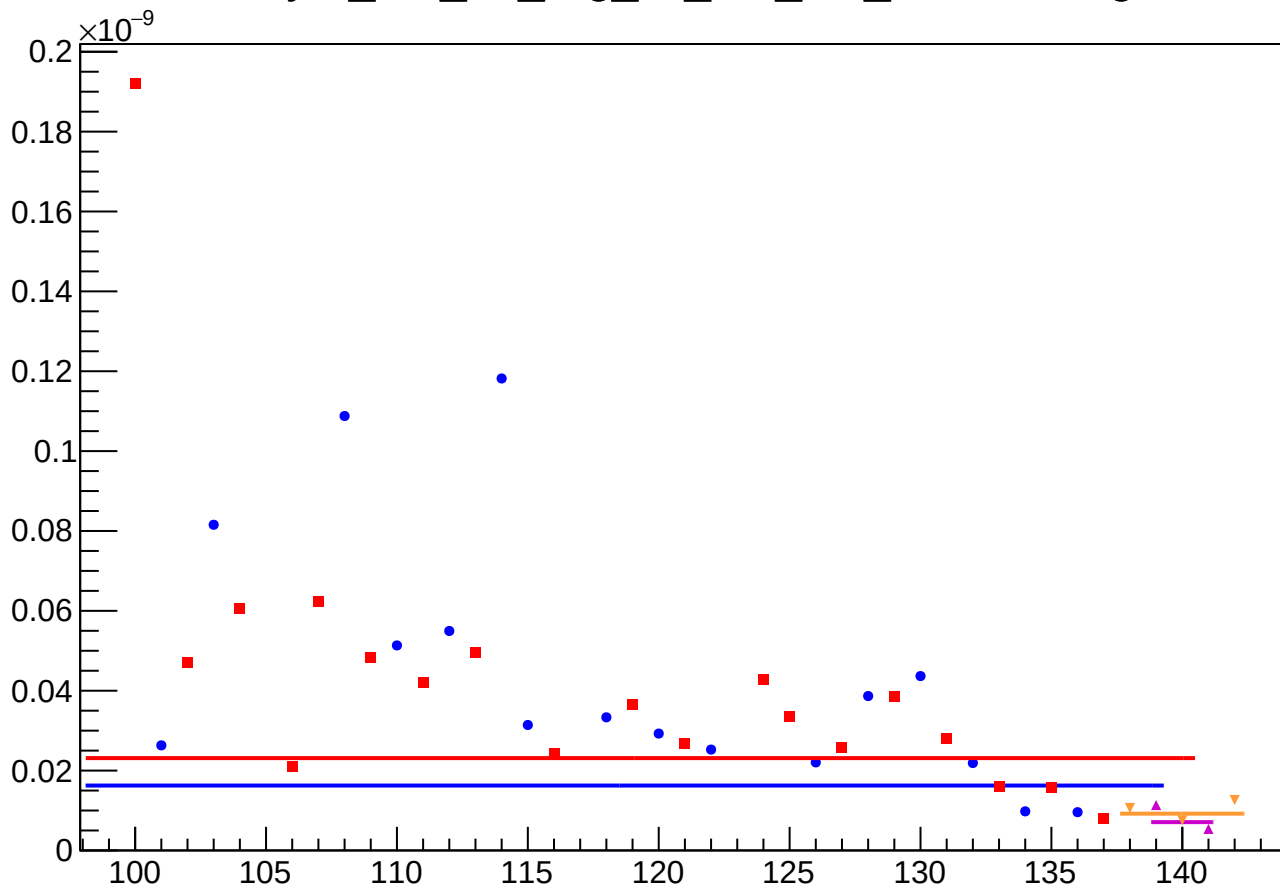
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 17.4/18

All: -0.000 ± 0.000 χ^2/NDF : 34.7/39

- sign -0.000 ± 0.000 χ^2/NDF : 14.3/20

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2286703.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 72410.1/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1411720.5/18

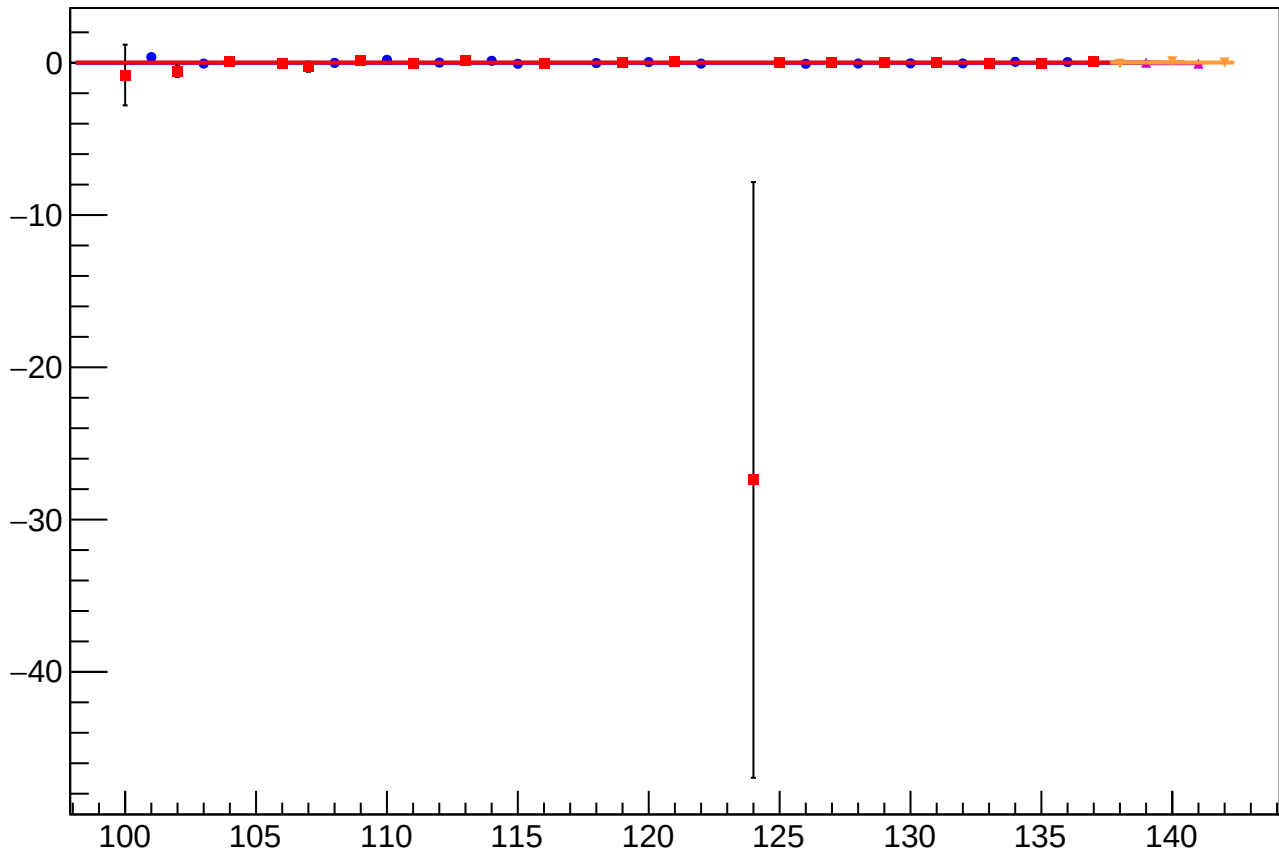
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 160347.5/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2772748.2/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 5875713.5/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3094538.4/20

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: 0.014 $\pm$ 0.024 χ^2 /NDF: 8.1/2

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

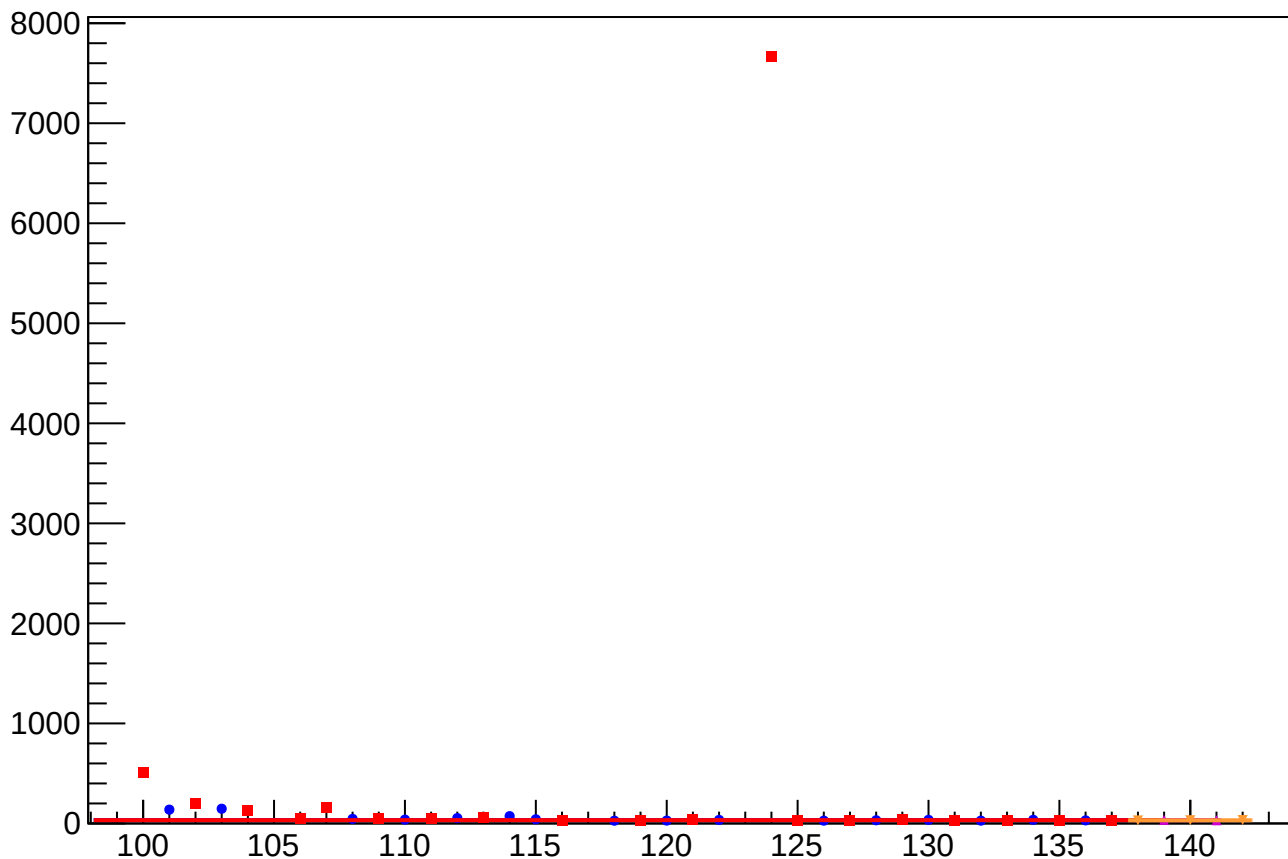
Left In: -0.029 $\pm$ 0.027 χ^2 /NDF: 1.5/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/18

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 46.7/39

- sign 0.002 $\pm$ 0.013 χ^2 /NDF: 17.4/20

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF : 1717266.1/15

Left Out: 31.688+/-0.017 χ^2/NDF : 6536.4/2

Right Out: 33.084+/-0.011 χ^2/NDF : 2075124.6/18

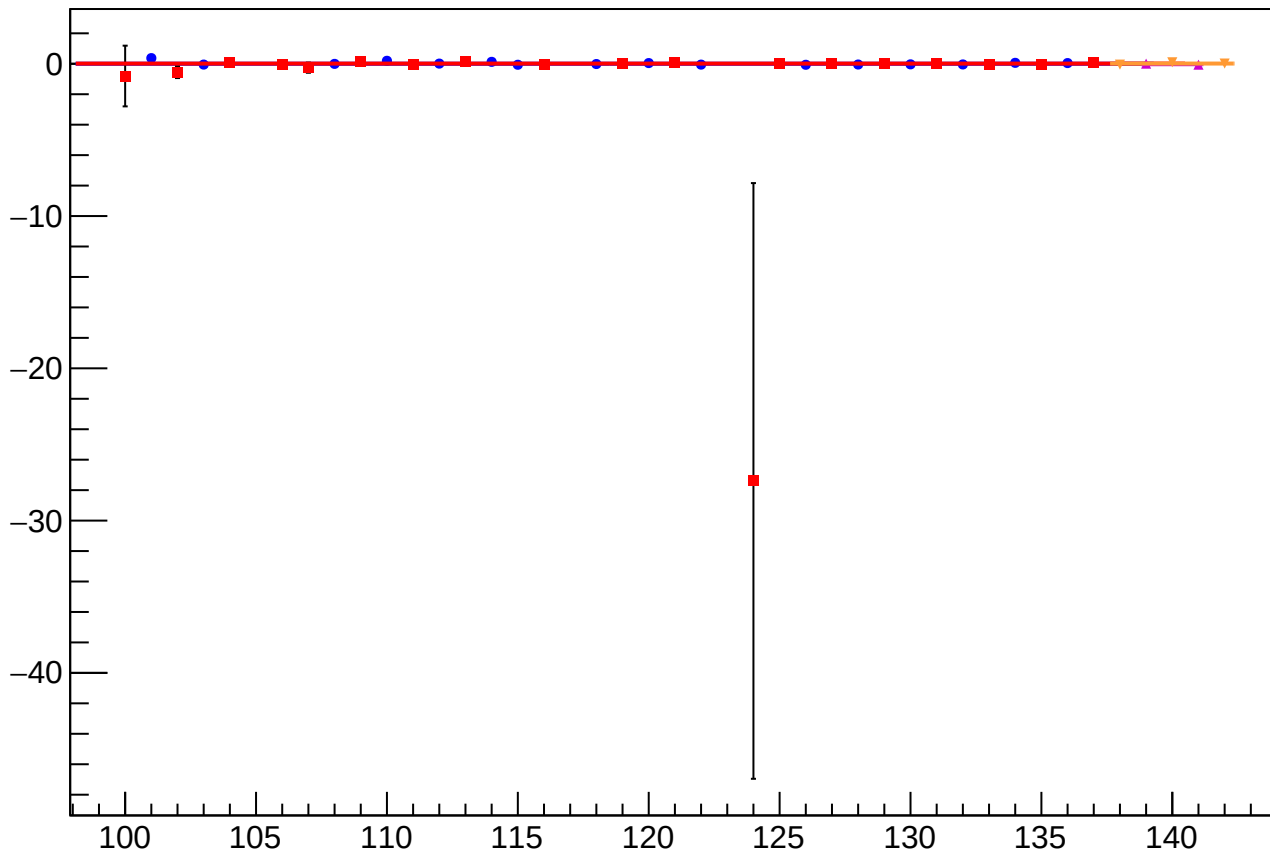
Left In: 33.865+/-0.019 χ^2/NDF : 9308.3/1

+ sign 33.408+/-0.009 χ^2/NDF : 1737875.6/18

All: 33.337+/-0.006 χ^2/NDF : 3823695.3/39

- sign 33.261+/-0.009 χ^2/NDF : 2085688.1/20

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: 0.014 $\pm$ 0.024 χ^2 /NDF: 8.1/2

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

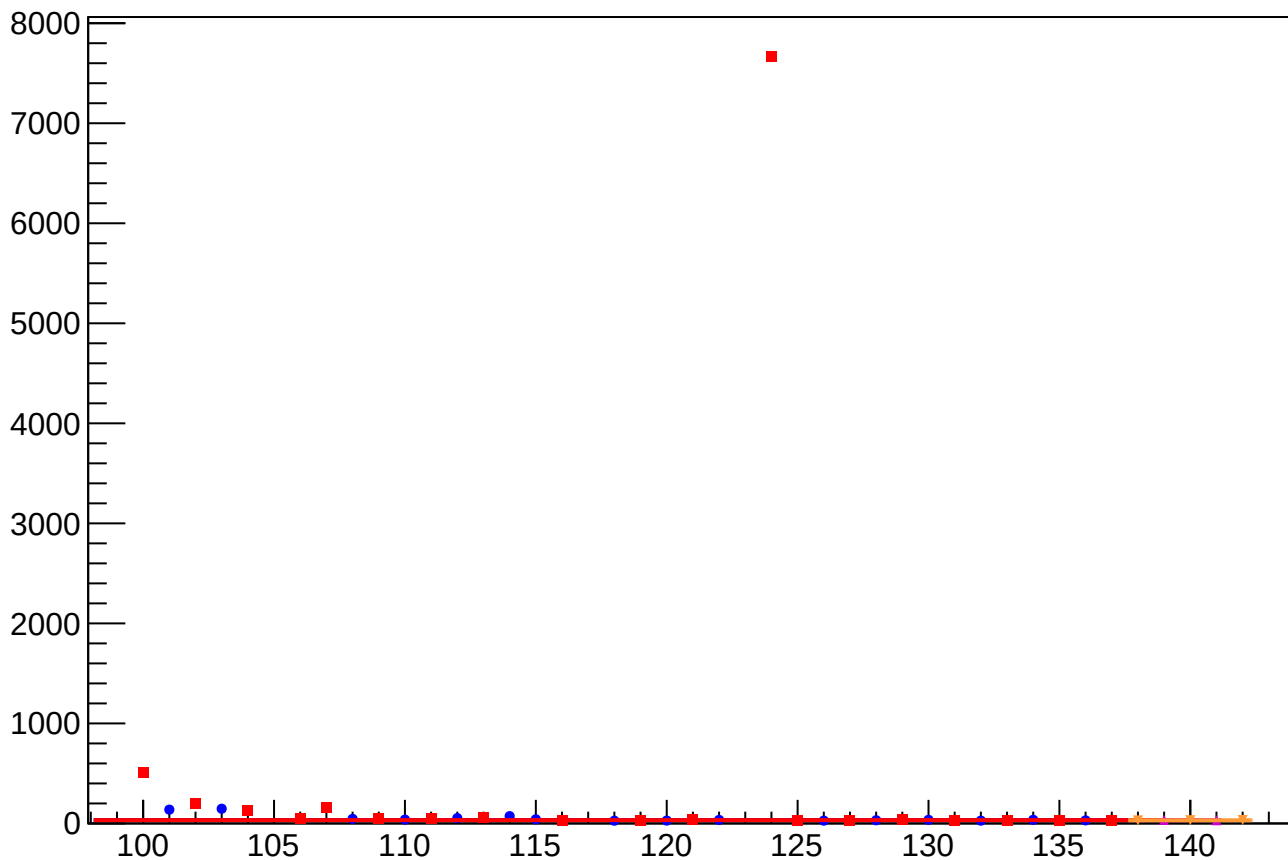
Left In: -0.029 $\pm$ 0.027 χ^2 /NDF: 1.5/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/18

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 46.7/39

- sign 0.002 $\pm$ 0.013 χ^2 /NDF: 17.4/20

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055 $\pm$ 0.010 χ^2 /NDF: 1717266.1/15

Left Out: 31.688 $\pm$ 0.017 χ^2 /NDF: 6536.4/2

Right Out: 33.084 $\pm$ 0.011 χ^2 /NDF: 2075124.6/18

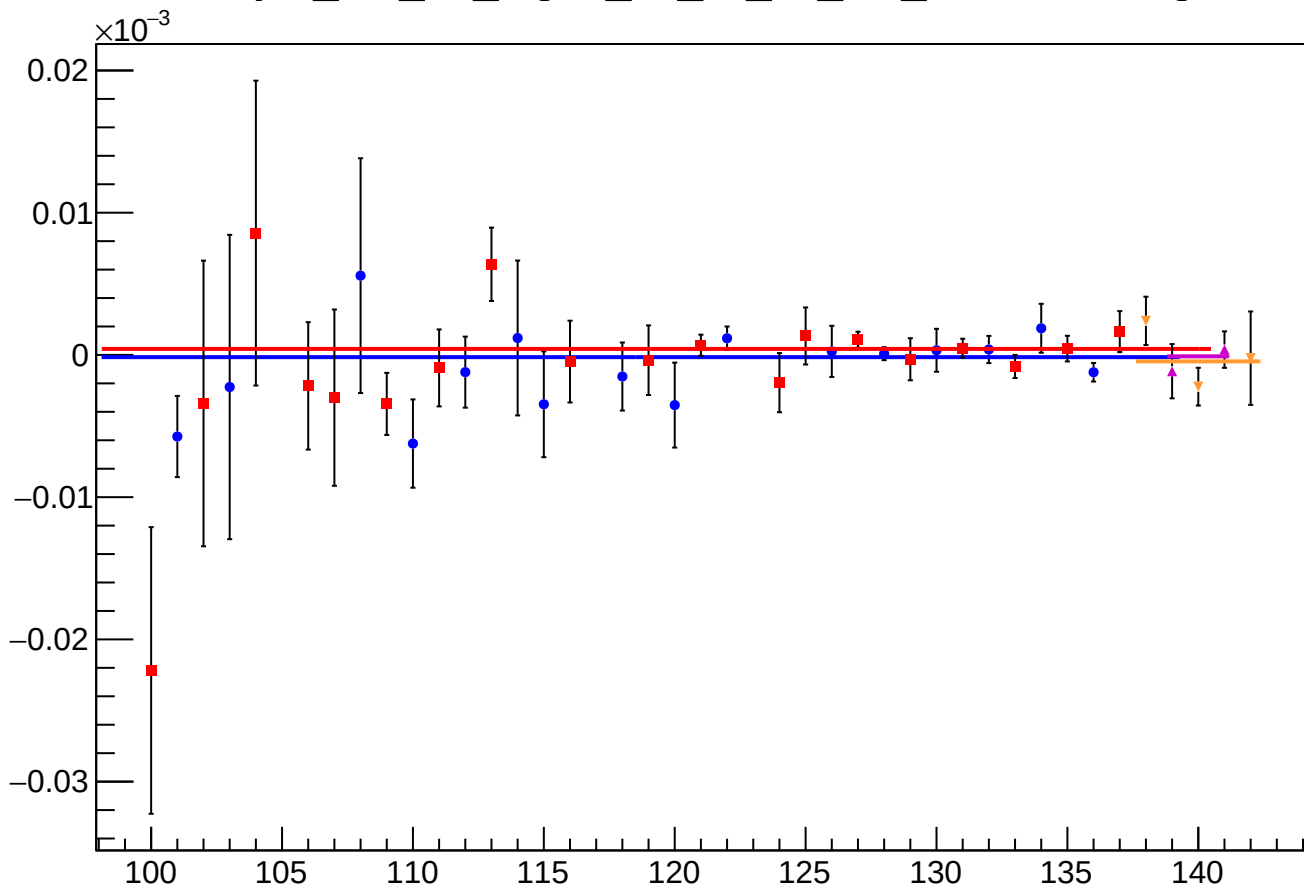
Left In: 33.865 $\pm$ 0.019 χ^2 /NDF: 9308.3/1

+ sign 33.408 $\pm$ 0.009 χ^2 /NDF: 1737875.6/18

All: 33.337 $\pm$ 0.006 χ^2 /NDF: 3823695.3/39

- sign 33.261 $\pm$ 0.009 χ^2 /NDF: 2085688.1/20

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 : 4.6/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.6/18

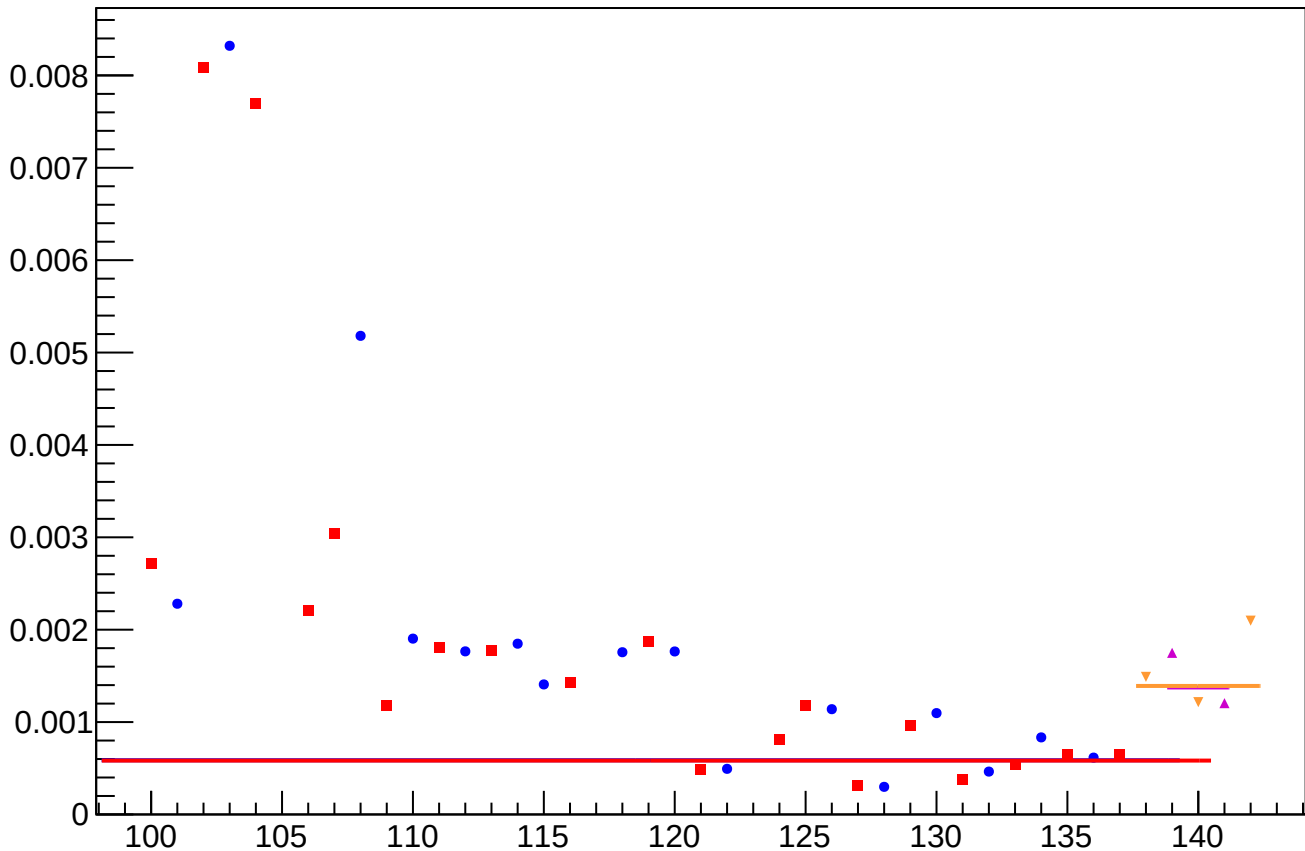
Left In: -0.000 ± 0.000 χ^2/NDF : 0.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 22.9/18

All: 0.000 ± 0.000 χ^2/NDF : 47.2/39

- sign 0.000 ± 0.000 χ^2/NDF : 22.2/20

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 :134234.8/2

Right Out: 0.001+/-0.000 χ^2/NDF : 5431787.1/18

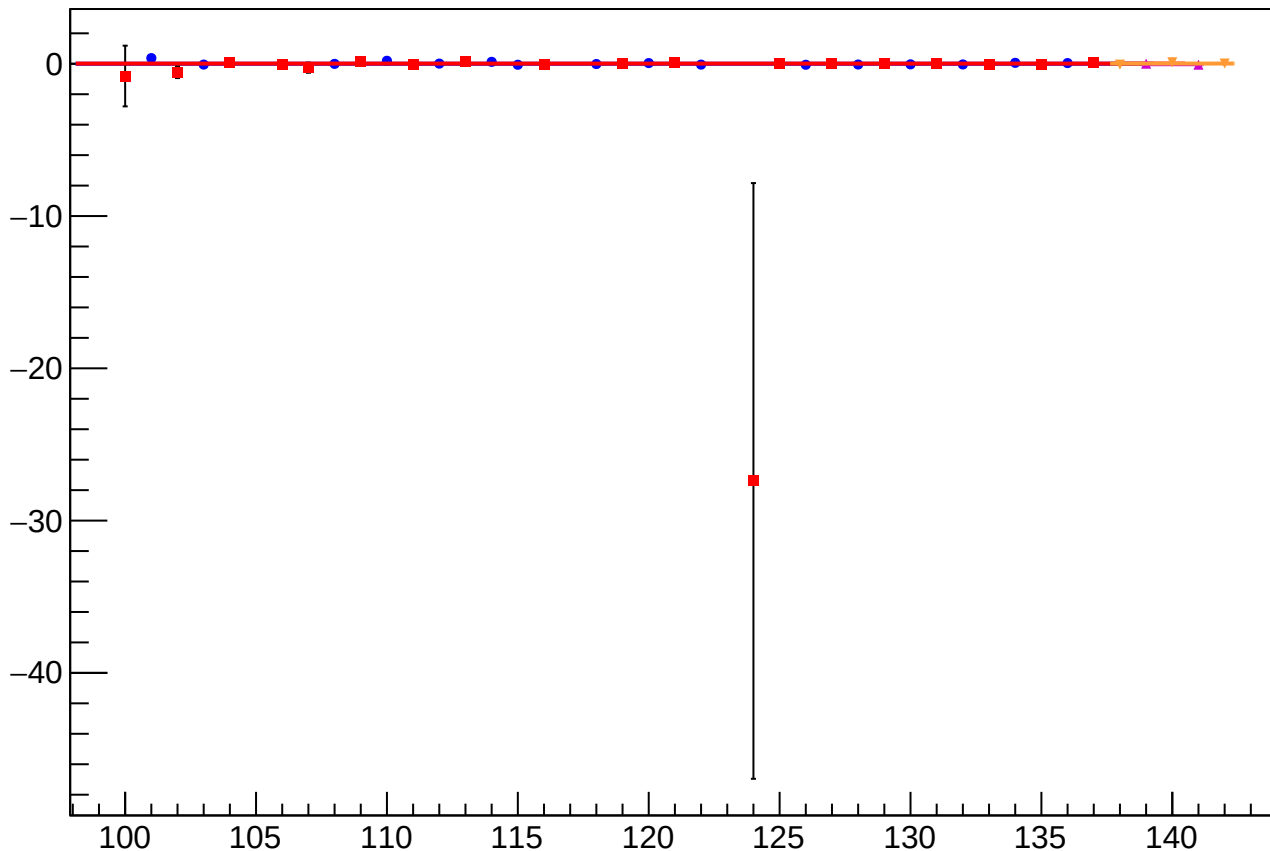
Left In: 0.001+/-0.000 χ^2/NDF :112334.2/1

+ sign 0.001+/-0.000 χ^2/NDF : 6818913.7/18

All: 0.001+/-0.000 χ^2/NDF : 13397317.0/39

- sign 0.001+/-0.000 χ^2/NDF : 6575542.2/20

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.015 χ^2 /NDF: 21.0/15

Left Out: 0.014 $\pm$ 0.024 χ^2 /NDF: 8.1/2

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

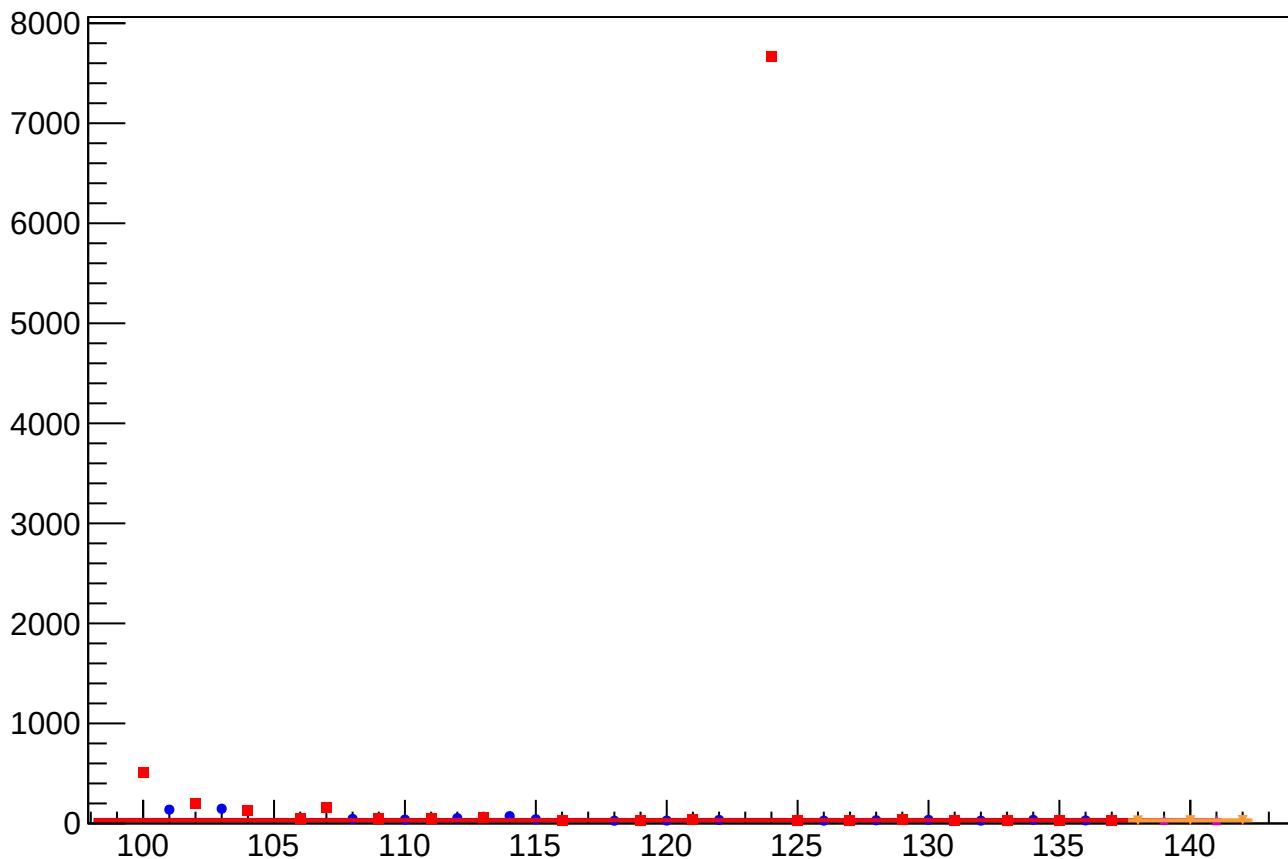
Left In: -0.029 $\pm$ 0.027 χ^2 /NDF: 1.5/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/18

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 46.7/39

- sign 0.002 $\pm$ 0.013 χ^2 /NDF: 17.4/20

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.055 $\pm$ 0.010 χ^2 /NDF: 1717254.5/15

Left Out: 31.688 $\pm$ 0.017 χ^2 /NDF: 6539.3/2

Right Out: 33.083 $\pm$ 0.011 χ^2 /NDF: 2075105.8/18

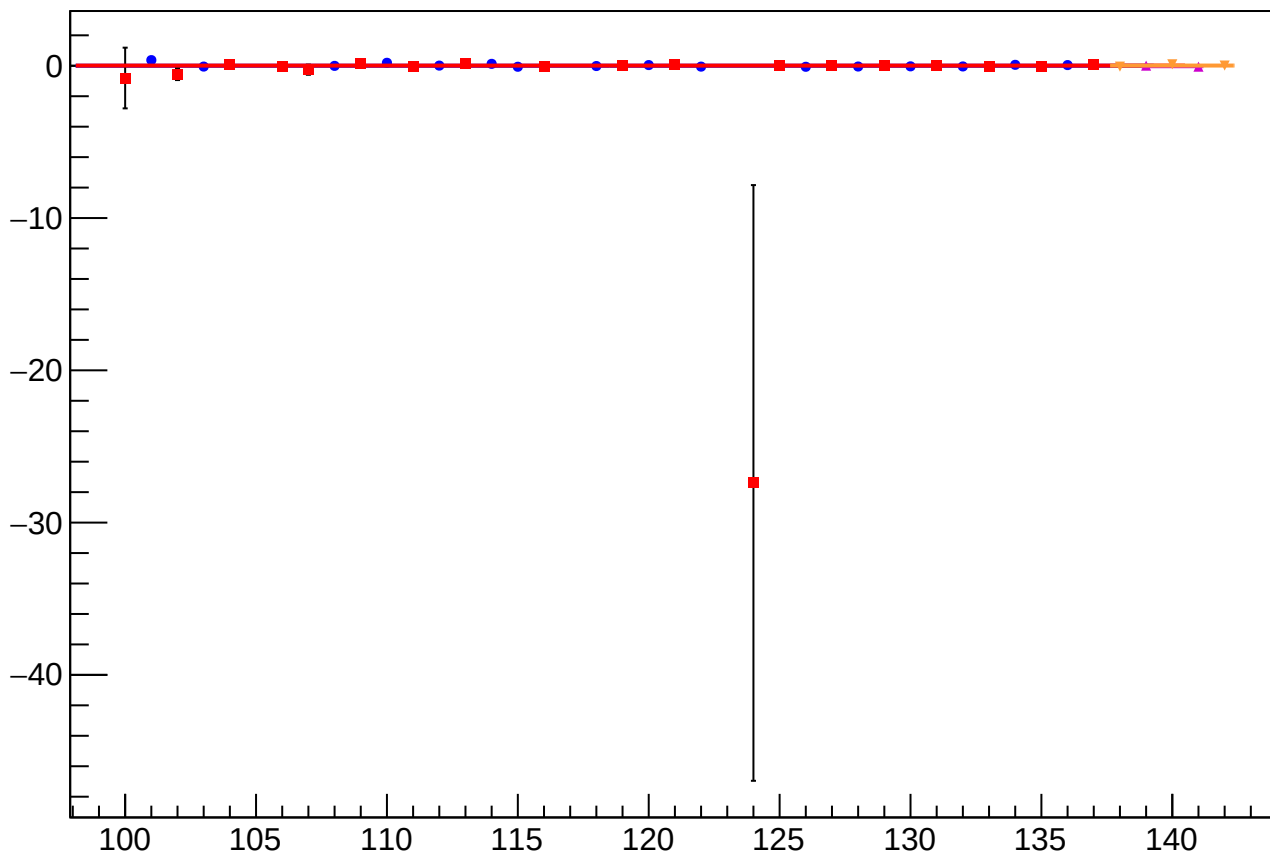
Left In: 33.865 $\pm$ 0.019 χ^2 /NDF: 9308.0/1

+ sign 33.408 $\pm$ 0.009 χ^2 /NDF: 1737870.6/18

All: 33.337 $\pm$ 0.006 χ^2 /NDF: 3823672.0/39

- sign 33.261 $\pm$ 0.009 χ^2 /NDF: 2085669.8/20

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.015 χ^2 /NDF: 21.0/15

Left Out: 0.014 $\pm$ 0.024 χ^2 /NDF:8.1/2

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

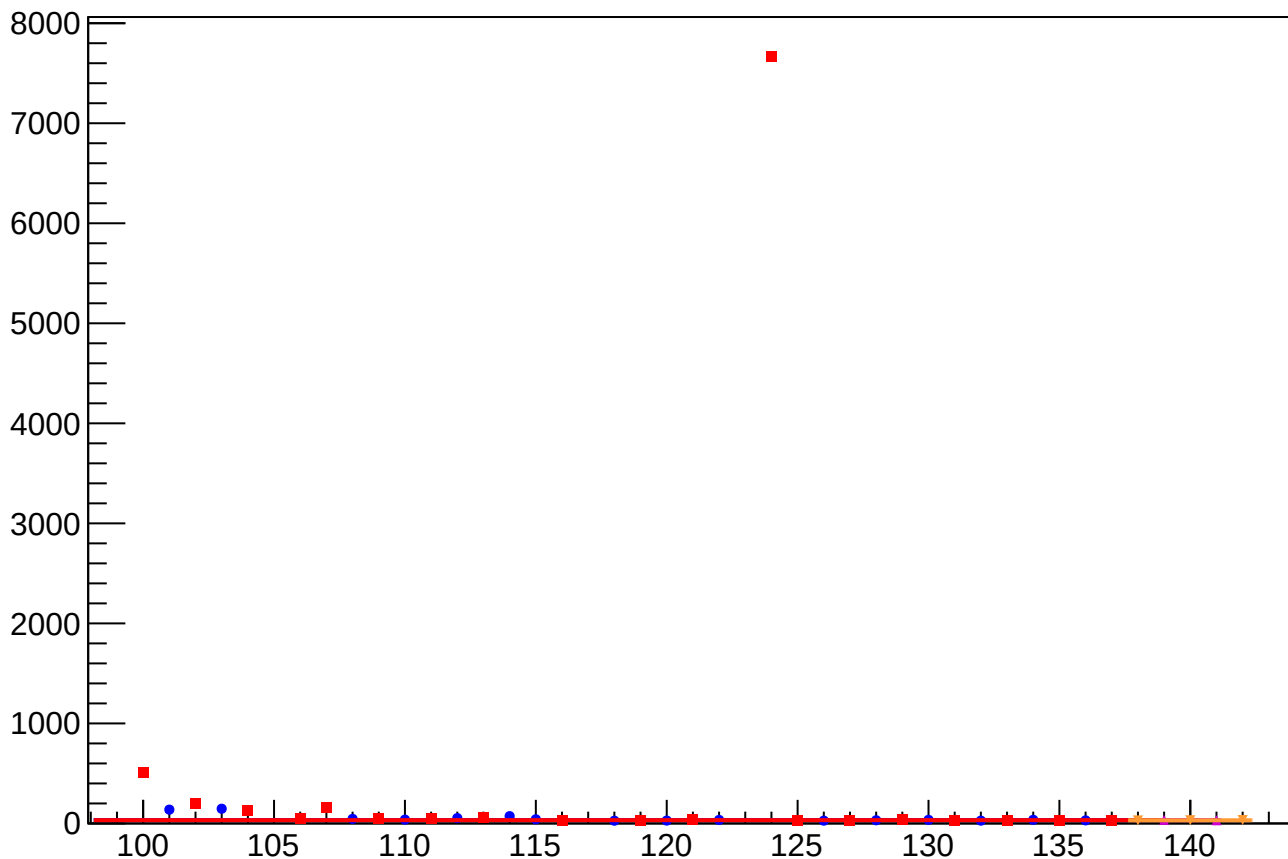
Left In: -0.029 $\pm$ 0.027 χ^2 /NDF:1.5/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 29.3/18

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 46.7/39

- sign 0.002 $\pm$ 0.013 χ^2 /NDF: 17.4/20

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: 31.688+/-0.017 χ^2/NDF : 6539.3/2

Right Out: 33.083+/-0.011 χ^2/NDF : 2075105.8/18

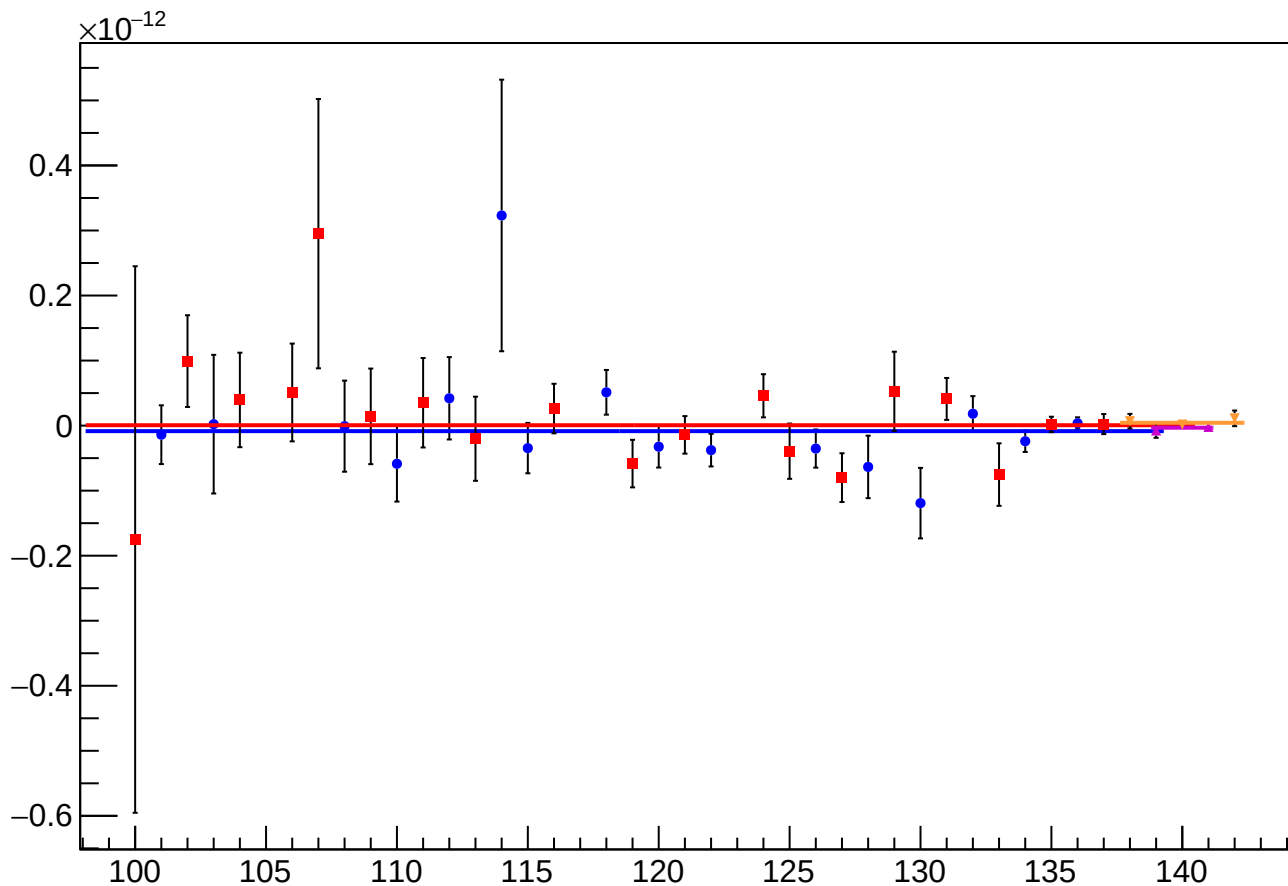
Left In: 33.865+/-0.019 χ^2/NDF : 9308.0/1

+ sign 33.408+/-0.009 χ^2/NDF : 1737870.6/18

All: 33.337+/-0.006 χ^2/NDF : 3823672.0/39

- sign 33.261+/-0.009 χ^2/NDF : 2085669.8/20

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 : 0.6/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 20.8/18

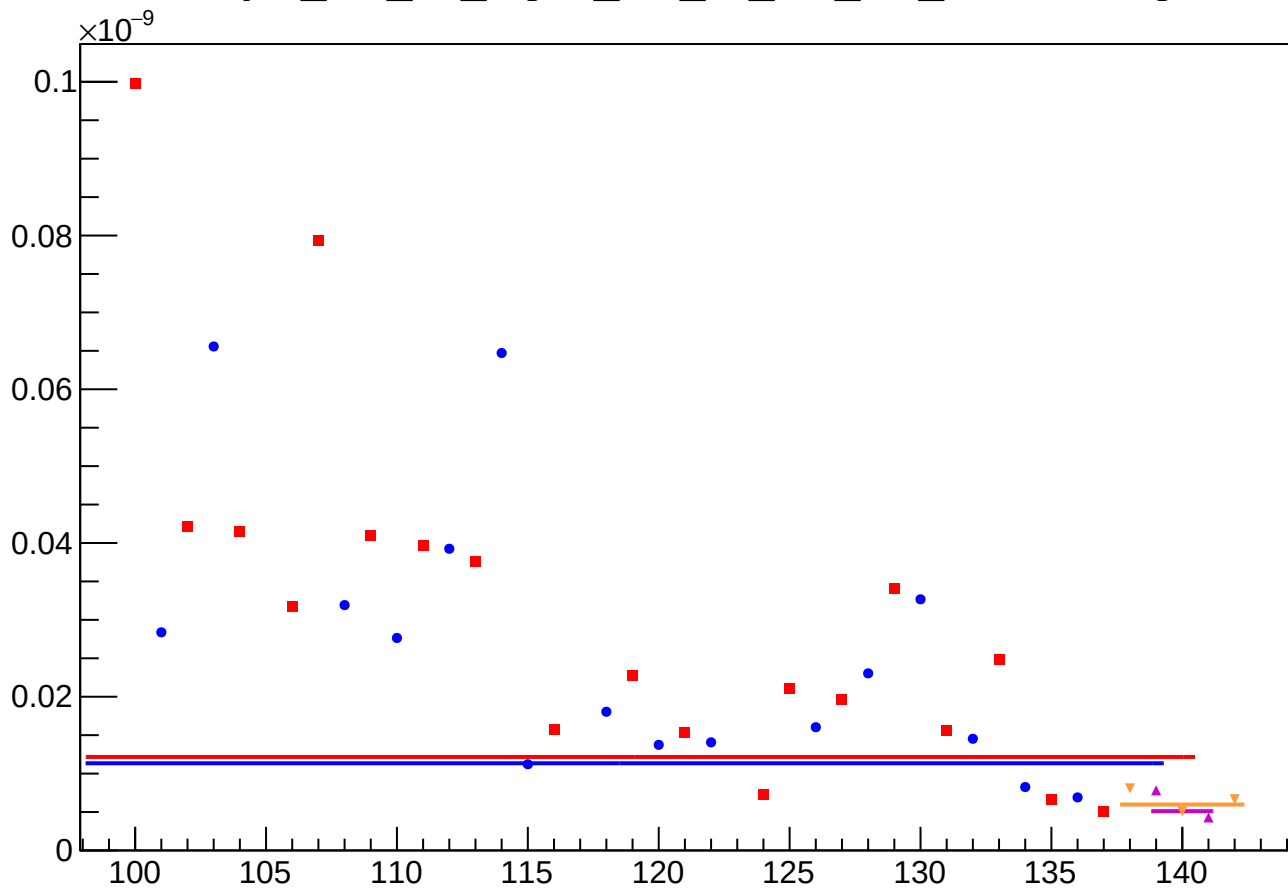
Left In: -0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 22.3/18

All: -0.000 ± 0.000 χ^2/NDF : 43.5/39

- sign -0.000 ± 0.000 χ^2/NDF : 21.2/20

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF :114429.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3757412.0/18

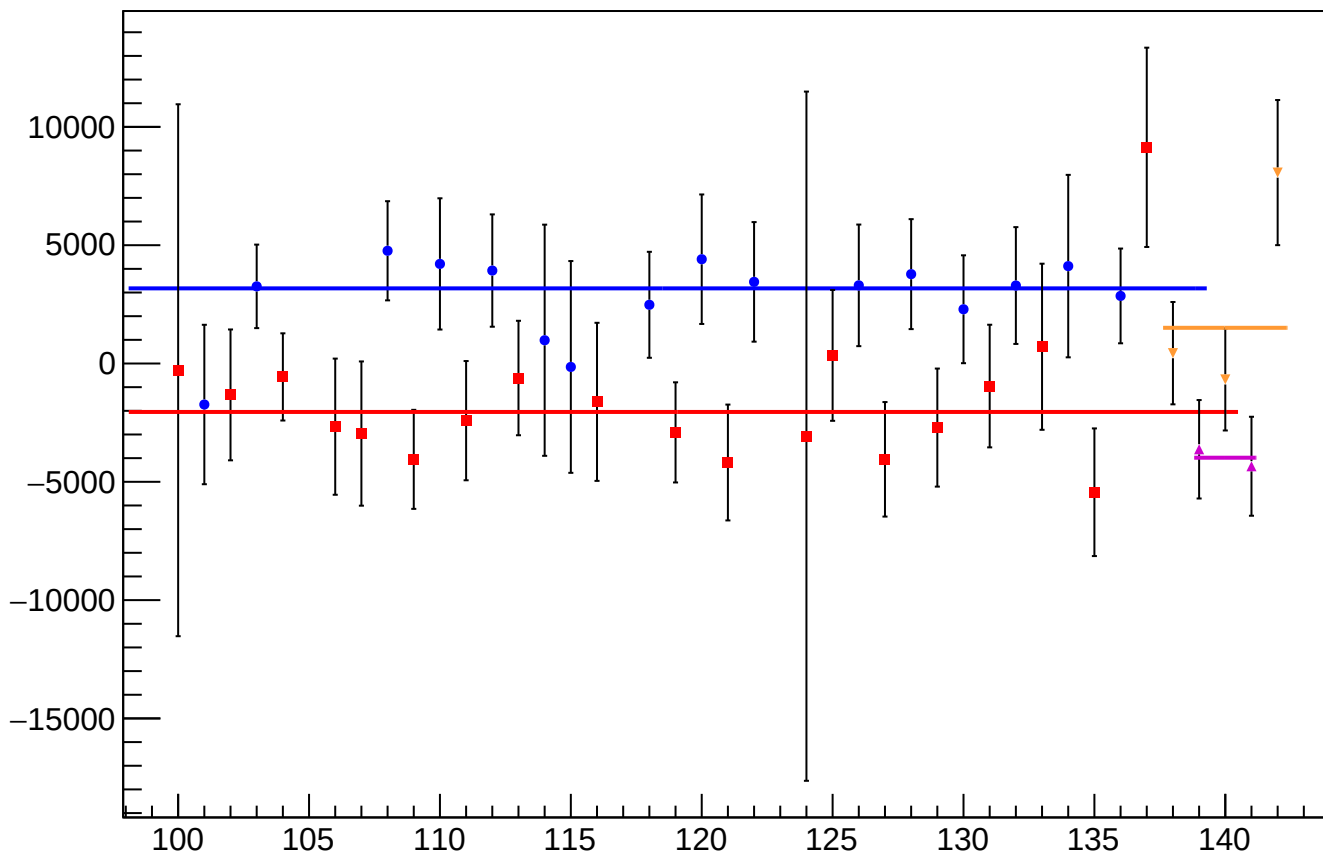
Left In: 0.000+/-0.000 χ^2/NDF :151144.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3793073.4/18

All: 0.000+/-0.000 χ^2/NDF : 8929058.1/39

- sign 0.000+/-0.000 χ^2/NDF : 5125777.1/20

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599 $\pm$ 627.992 χ^2 /NDF: 4.3/15

Left Out: 1508.948 $\pm$ 1367.350 χ^2 /NDF:5.8/2

Right Out: -2047.403 $\pm$ 621.498 χ^2 /NDF: 14.0/18

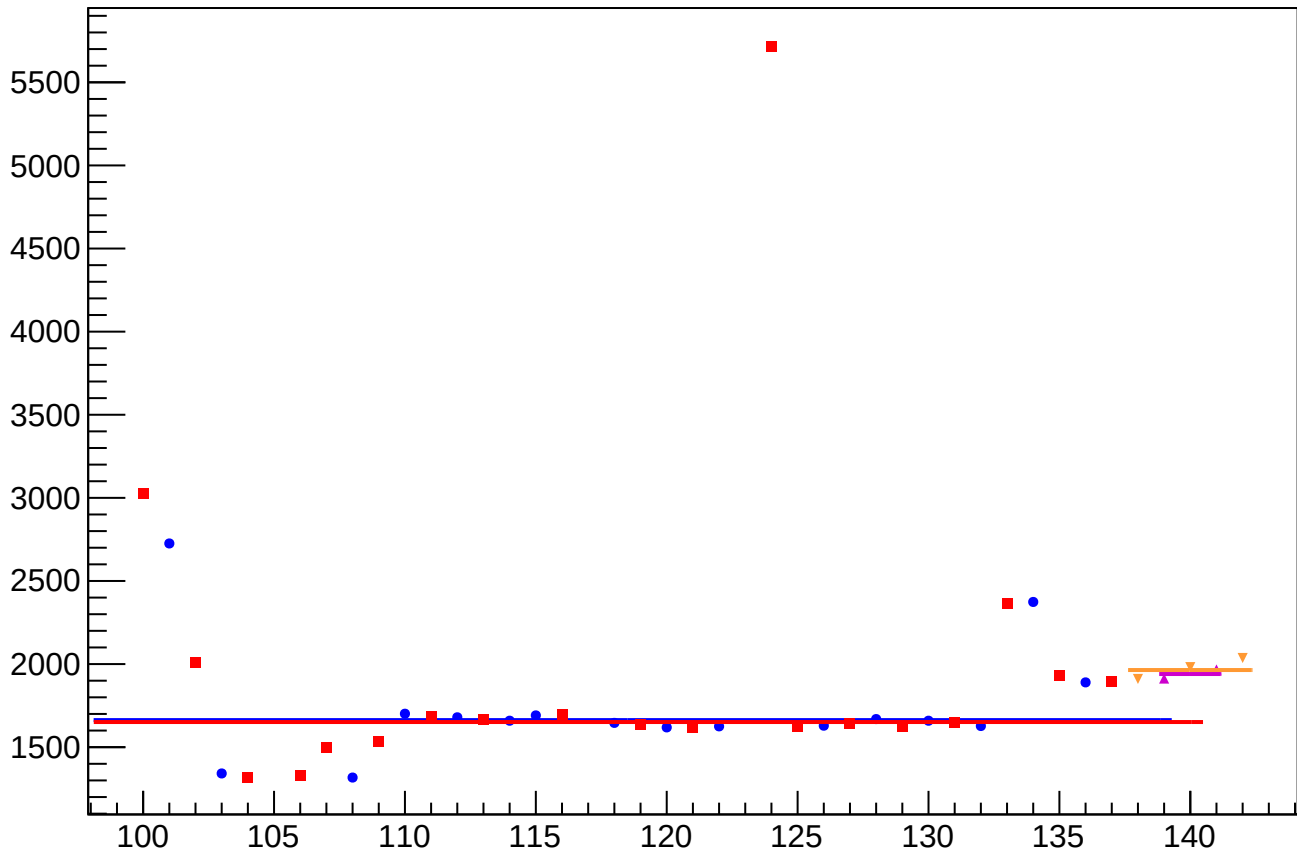
Left In: -3981.499 $\pm$ 1475.079 χ^2 /NDF:0.1/1

+ sign 2885.282 $\pm$ 570.681 χ^2 /NDF: 11.4/18

All: 282.544 $\pm$ 404.258 χ^2 /NDF: 68.7/39

- sign -2338.984 $\pm$ 572.737 χ^2 /NDF: 15.6/20

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF : 415630.7/15

Left Out: 1964.126+/-0.967 χ^2/NDF : 2475.8/2

Right Out: 1651.322+/-0.439 χ^2/NDF : 431965.1/18

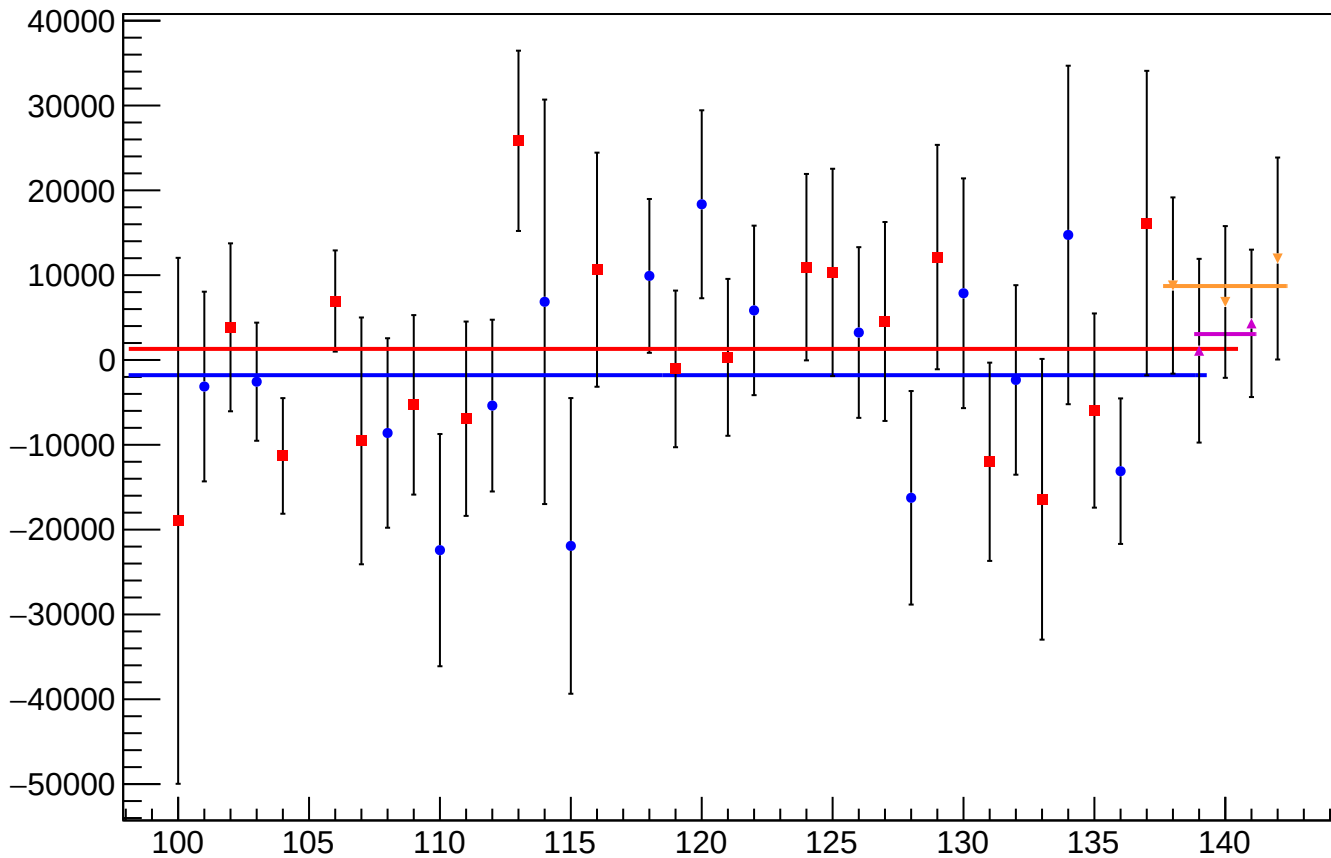
Left In: 1940.171+/-1.043 χ^2/NDF : 690.4/1

+ sign 1715.372+/-0.404 χ^2/NDF : 498261.5/18

All: 1705.157+/-0.286 χ^2/NDF : 997332.0/39

- sign 1694.868+/-0.405 χ^2/NDF : 497784.2/20

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030 $\pm$ 2743.617 χ^2 /NDF: 14.3/15

Left Out: 8717.371 $\pm$ 5890.631 χ^2 /NDF: 0.1/2

Right Out: 1306.311 $\pm$ 2430.063 χ^2 /NDF: 17.7/18

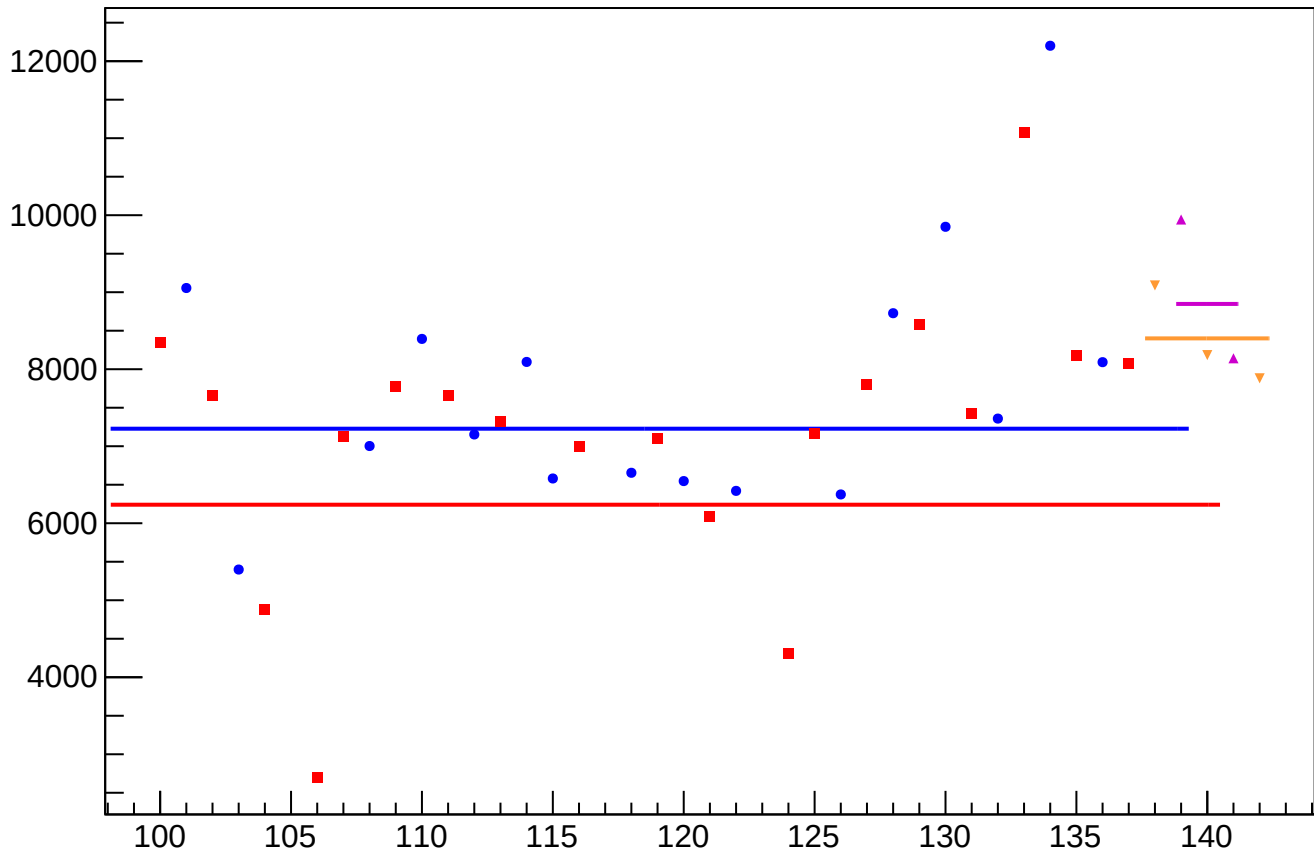
Left In: 3055.028 $\pm$ 6777.638 χ^2 /NDF: 0.1/1

+ sign 82.212 $\pm$ 2487.084 χ^2 /NDF: 17.1/18

All: 853.257 $\pm$ 1683.641 χ^2 /NDF: 35.1/39

- sign 1505.505 $\pm$ 2287.478 χ^2 /NDF: 17.8/20

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF : 503260.9/15

Left Out: 8400.371+/-4.165 χ^2/NDF : 13728.7/2

Right Out: 6240.557+/-1.718 χ^2/NDF : 1399077.4/18

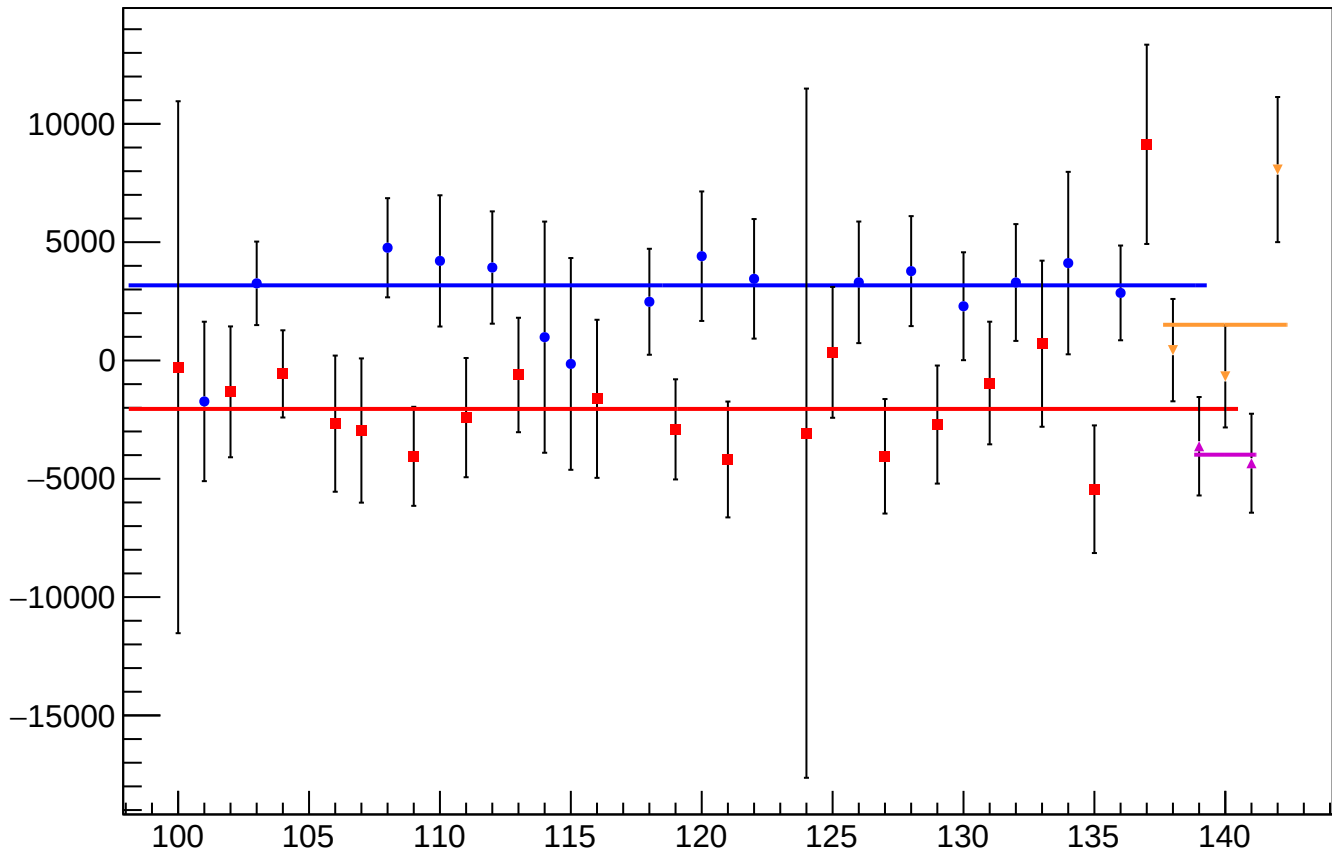
Left In: 8847.743+/-4.793 χ^2/NDF : 33692.1/1

+ sign 7436.652+/-1.759 χ^2/NDF : 582133.5/18

All: 6949.572+/-1.191 χ^2/NDF : 2418741.2/39

- sign 6537.538+/-1.617 χ^2/NDF : 1695007.6/20

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689 $\pm$ 627.992 χ^2 /NDF: 4.3/15

Left Out: 1508.985 $\pm$ 1367.350 χ^2 /NDF:5.8/2

Right Out: -2047.209 $\pm$ 621.498 χ^2 /NDF: 14.0/18

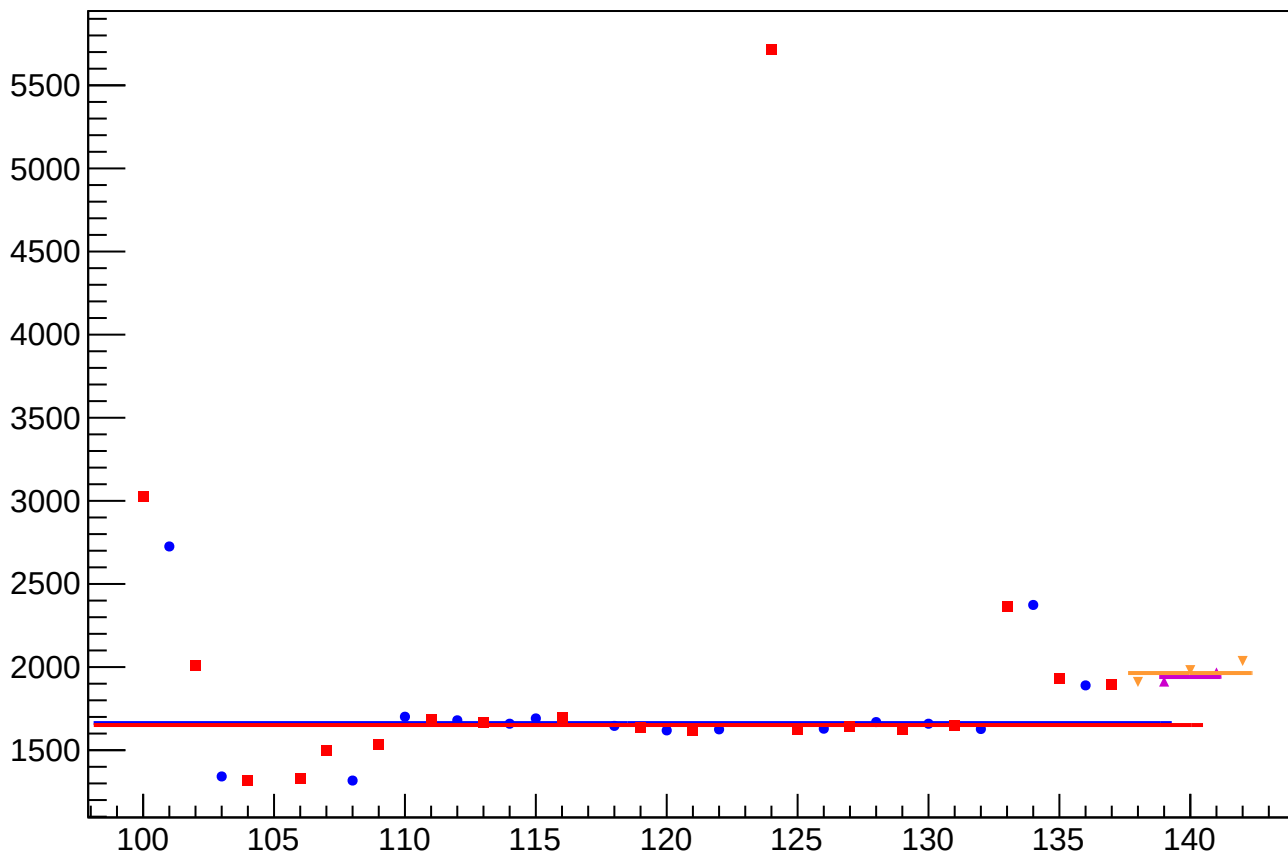
Left In: -3981.542 $\pm$ 1475.079 χ^2 /NDF:0.1/1

+ sign 2885.362 $\pm$ 570.681 χ^2 /NDF: 11.4/18

All: 282.663 $\pm$ 404.258 χ^2 /NDF: 68.7/39

- sign -2338.825 $\pm$ 572.737 χ^2 /NDF: 15.6/20

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF : 415631.0/15

Left Out: 1964.126+/-0.967 χ^2/NDF : 2475.8/2

+ sign 1715.372+/-0.404 χ^2/NDF : 498261.8/18

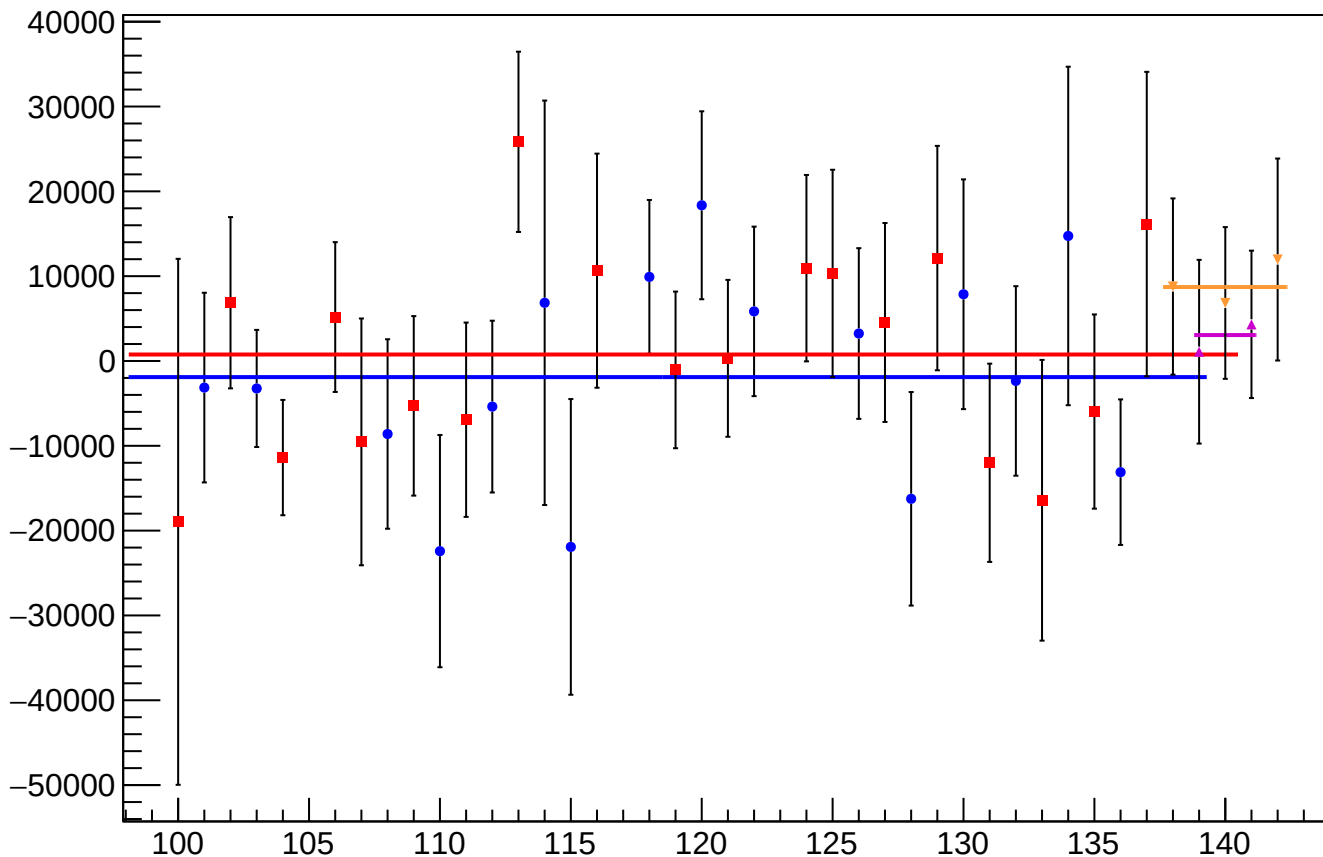
Right Out: 1651.322+/-0.439 χ^2/NDF : 431965.2/18

All: 1705.157+/-0.286 χ^2/NDF : 997332.5/39

- sign 1694.868+/-0.405 χ^2/NDF : 497784.4/20

Left In: 1940.171+/-1.043 χ^2/NDF : 690.4/1

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125 ± 2739.954 χ^2/NDF : 14.4/15

Left Out: 8717.438 ± 5890.623 χ^2/NDF : 0.1/2

Right Out: 762.513 ± 2549.943 χ^2/NDF : 17.3/18

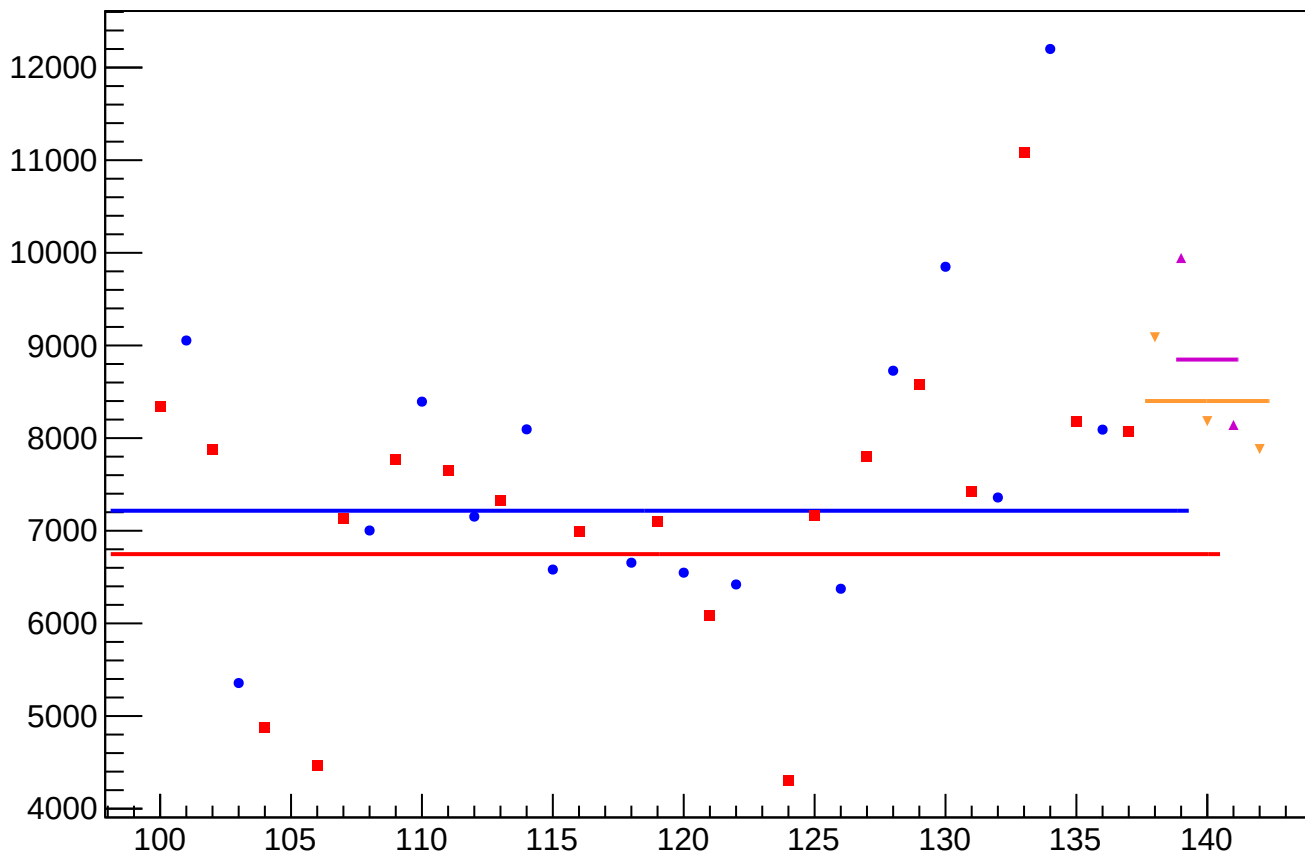
Left In: 3055.098 ± 6777.632 χ^2/NDF : 0.1/1

+ sign -11.572 ± 2484.353 χ^2/NDF : 17.1/18

All: 538.834 ± 1721.110 χ^2/NDF : 34.7/39

- sign 1046.786 ± 2386.620 χ^2/NDF : 17.4/20

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029 $\pm$ 1.937 χ^2/NDF : 512126.4/15

Left Out: 8400.359 $\pm$ 4.165 χ^2/NDF : 13728.9/2

Right Out: 6747.736 $\pm$ 1.803 χ^2/NDF : 708793.3/18

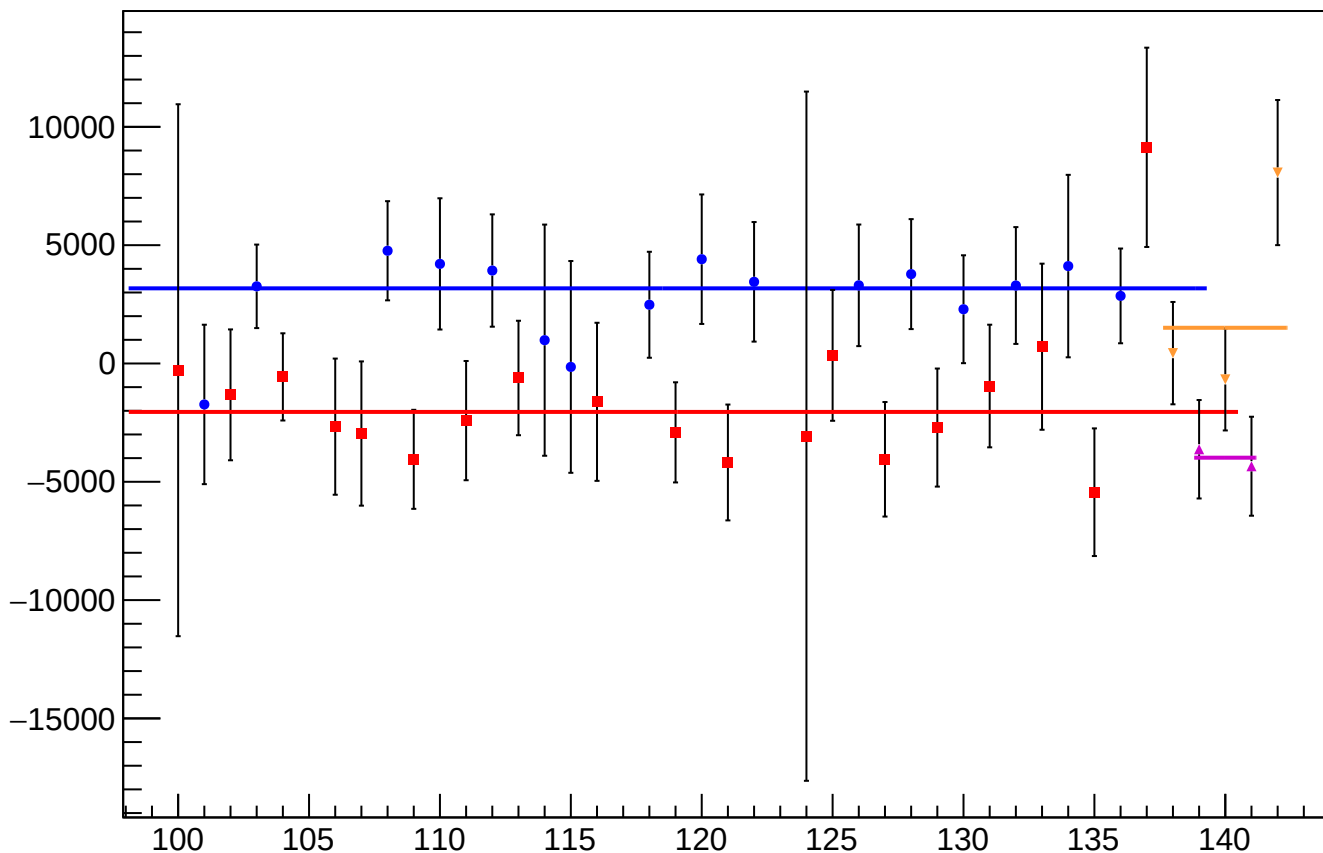
Left In: 8847.734 $\pm$ 4.793 χ^2/NDF : 33692.3/1

+ sign 7426.687 $\pm$ 1.757 χ^2/NDF : 592320.2/18

All: 7209.013 $\pm$ 1.217 χ^2/NDF : 1532525.6/39

- sign 7008.129 $\pm$ 1.688 χ^2/NDF : 910682.2/20

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689 ± 627.992 $\chi^2/\text{NDF}: 4.3/15$

Left Out: 1508.985 ± 1367.350 $\chi^2/\text{NDF}: 5.8/2$

Right Out: -2047.209 ± 621.498 $\chi^2/\text{NDF}: 14.0/18$

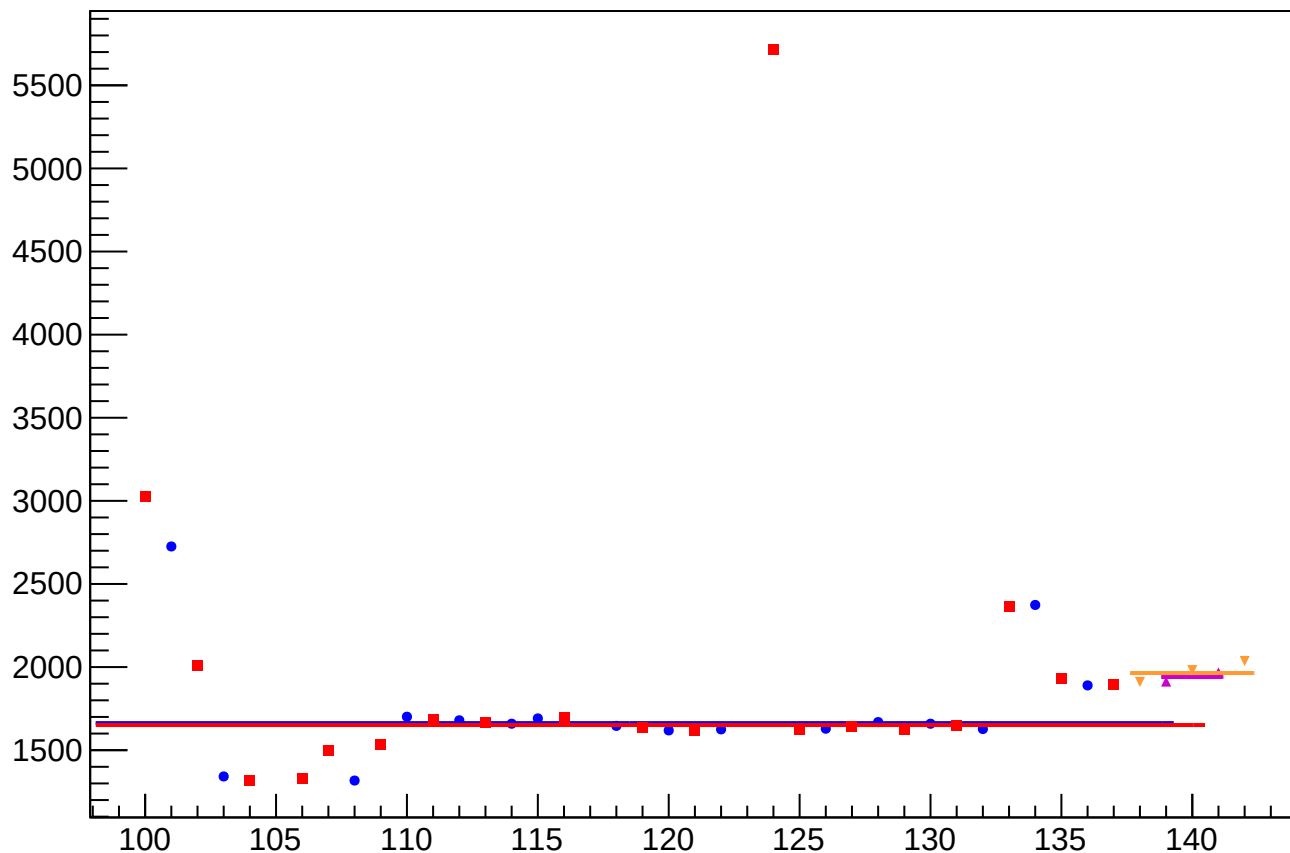
Left In: -3981.542 ± 1475.079 $\chi^2/\text{NDF}: 0.1/1$

+ sign 2885.362 ± 570.681 $\chi^2/\text{NDF}: 11.4/18$

All: 282.663 ± 404.258 $\chi^2/\text{NDF}: 68.7/39$

- sign -2338.825 ± 572.737 $\chi^2/\text{NDF}: 15.6/20$

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF : 415631.0/15

Left Out: 1964.126+/-0.967 χ^2/NDF : 2475.8/2

Right Out: 1651.322+/-0.439 χ^2/NDF : 431965.2/18

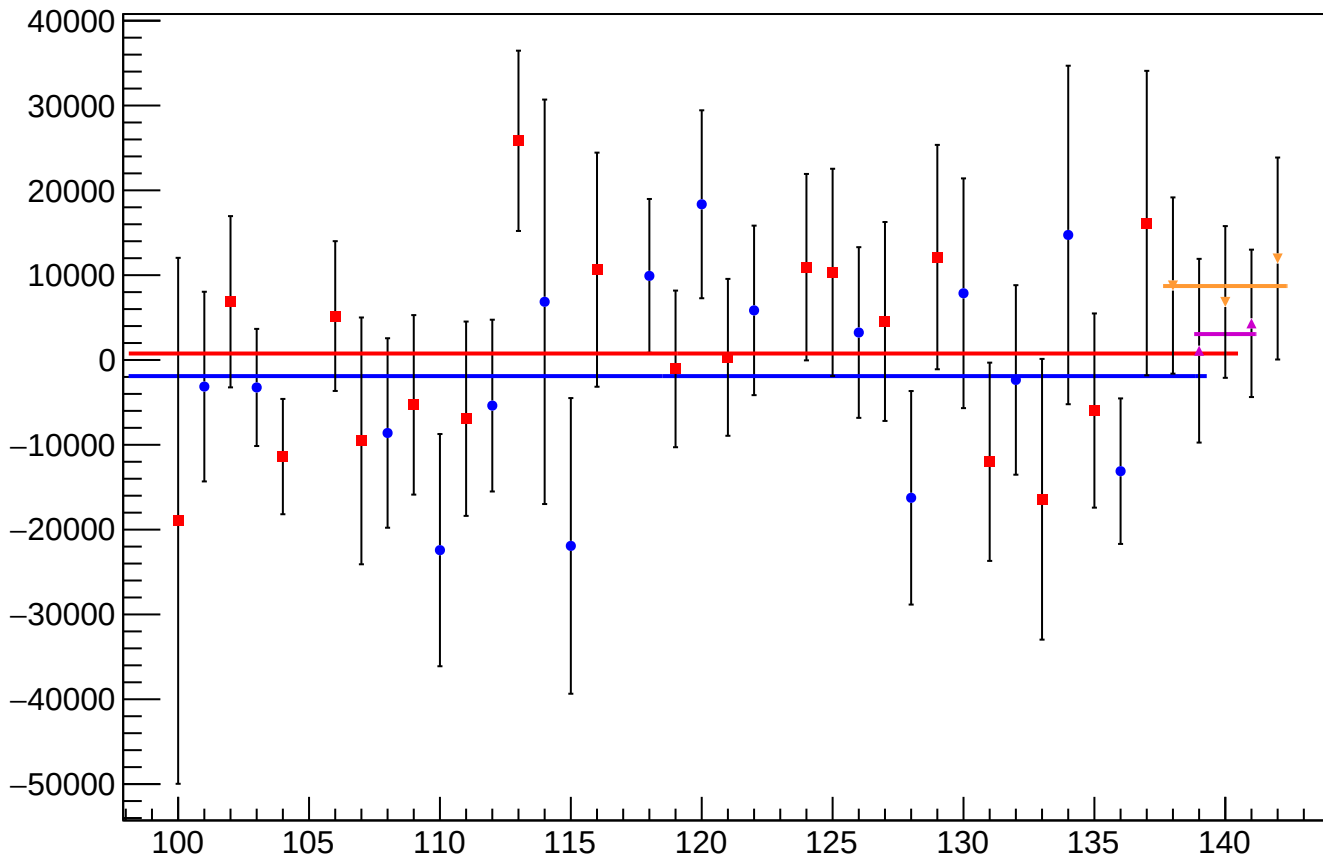
Left In: 1940.171+/-1.043 χ^2/NDF : 690.4/1

+ sign 1715.372+/-0.404 χ^2/NDF : 498261.8/18

All: 1705.157+/-0.286 χ^2/NDF : 997332.5/39

- sign 1694.868+/-0.405 χ^2/NDF : 497784.4/20

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125 $\pm$ 2739.954 χ^2 /NDF: 14.4/15

Left Out: 8717.438 $\pm$ 5890.623 χ^2 /NDF: 0.1/2

Right Out: 762.513 $\pm$ 2549.943 χ^2 /NDF: 17.3/18

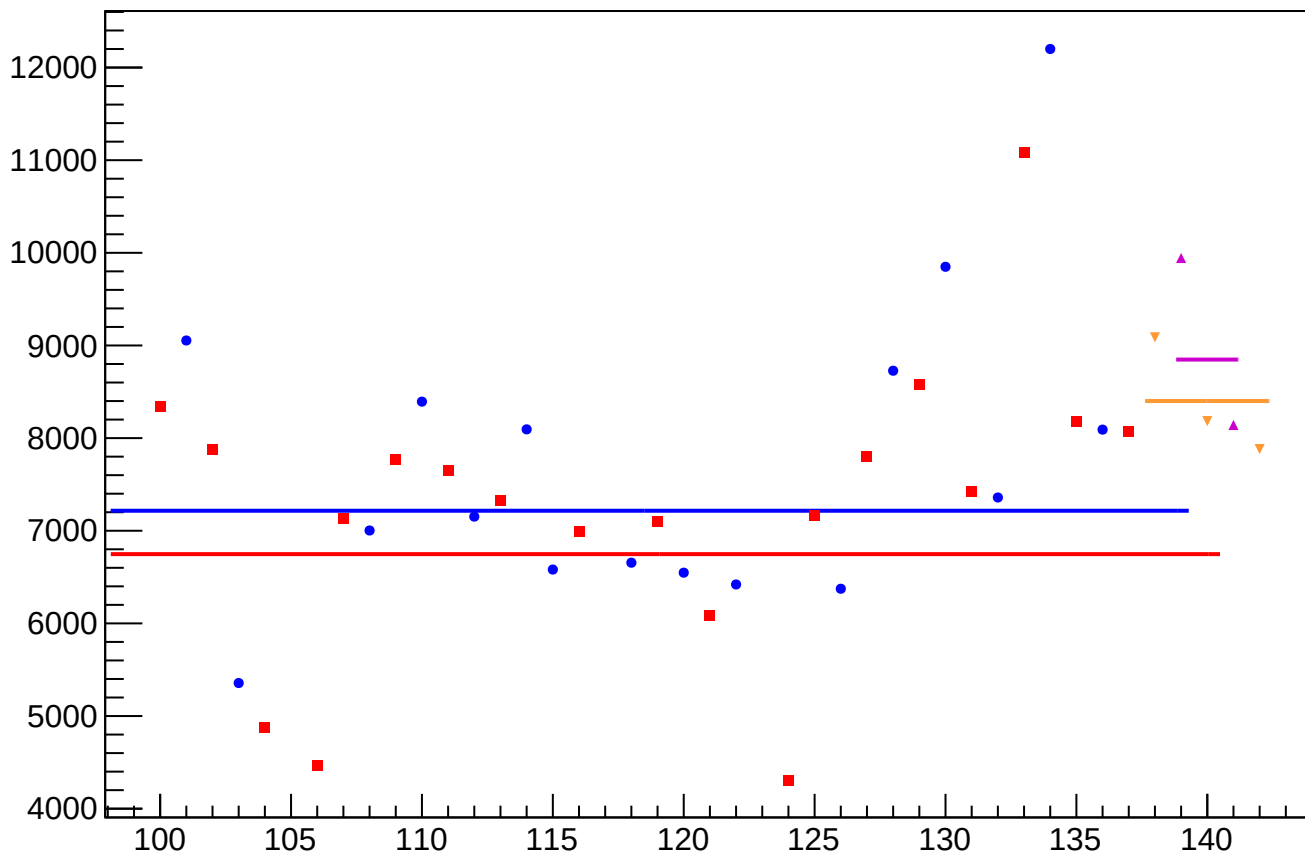
Left In: 3055.098 $\pm$ 6777.632 χ^2 /NDF: 0.1/1

+ sign -11.572 $\pm$ 2484.353 χ^2 /NDF: 17.1/18

All: 538.834 $\pm$ 1721.110 χ^2 /NDF: 34.7/39

- sign 1046.786 $\pm$ 2386.620 χ^2 /NDF: 17.4/20

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029 $\pm$ 1.937 χ^2/NDF : 512126.4/15

Left Out: 8400.359 $\pm$ 4.165 χ^2/NDF : 13728.9/2

Right Out: 6747.736 $\pm$ 1.803 χ^2/NDF : 708793.3/18

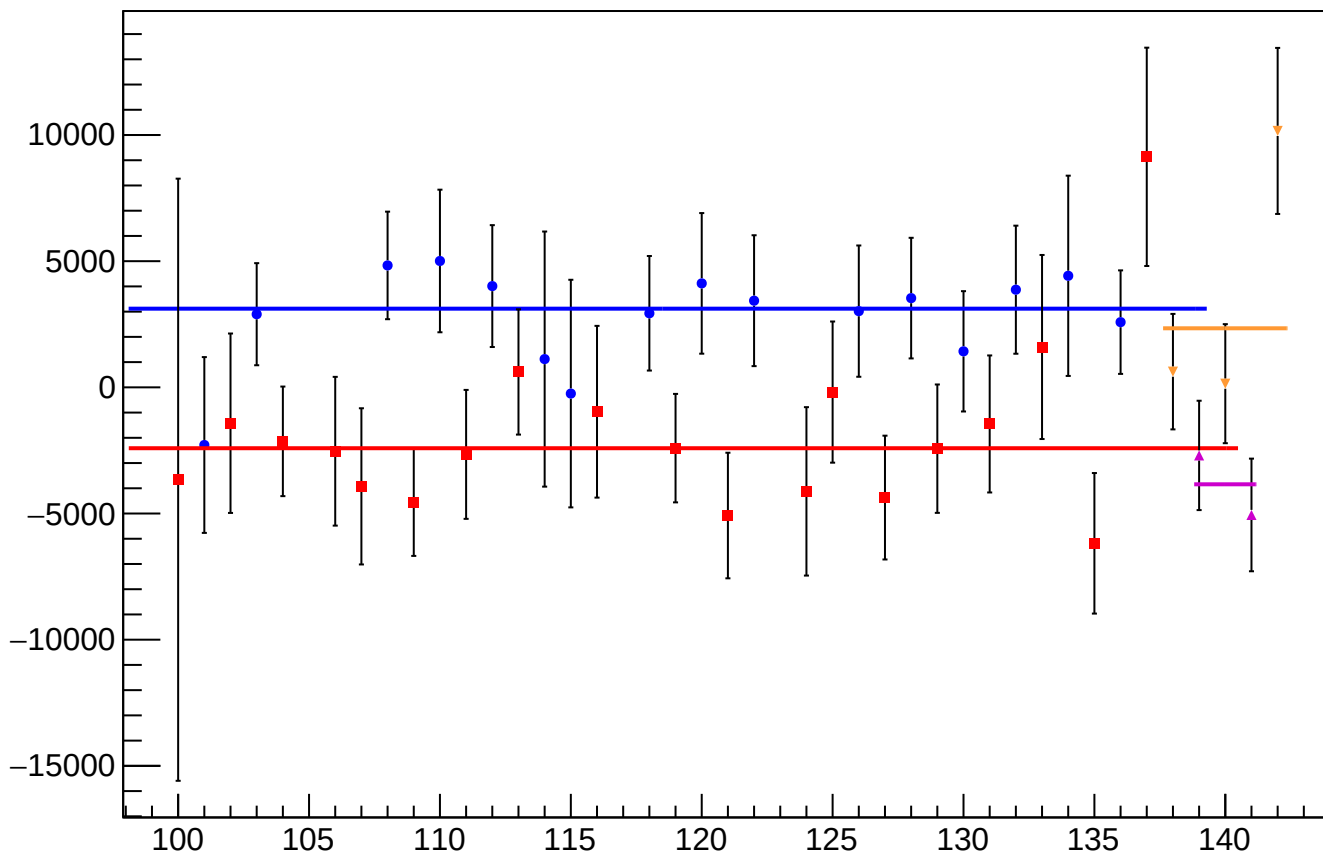
Left In: 8847.734 $\pm$ 4.793 χ^2/NDF : 33692.3/1

+ sign 7426.687 $\pm$ 1.757 χ^2/NDF : 592320.2/18

All: 7209.013 $\pm$ 1.217 χ^2/NDF : 1532525.6/39

- sign 7008.129 $\pm$ 1.688 χ^2/NDF : 910682.2/20

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878+/-651.119 χ^2/NDF : 5.3/15

Left Out: 2340.180+/-1469.533 χ^2/NDF : 7.1/2

Right Out: -2412.473+/-639.018 χ^2/NDF : 16.0/18

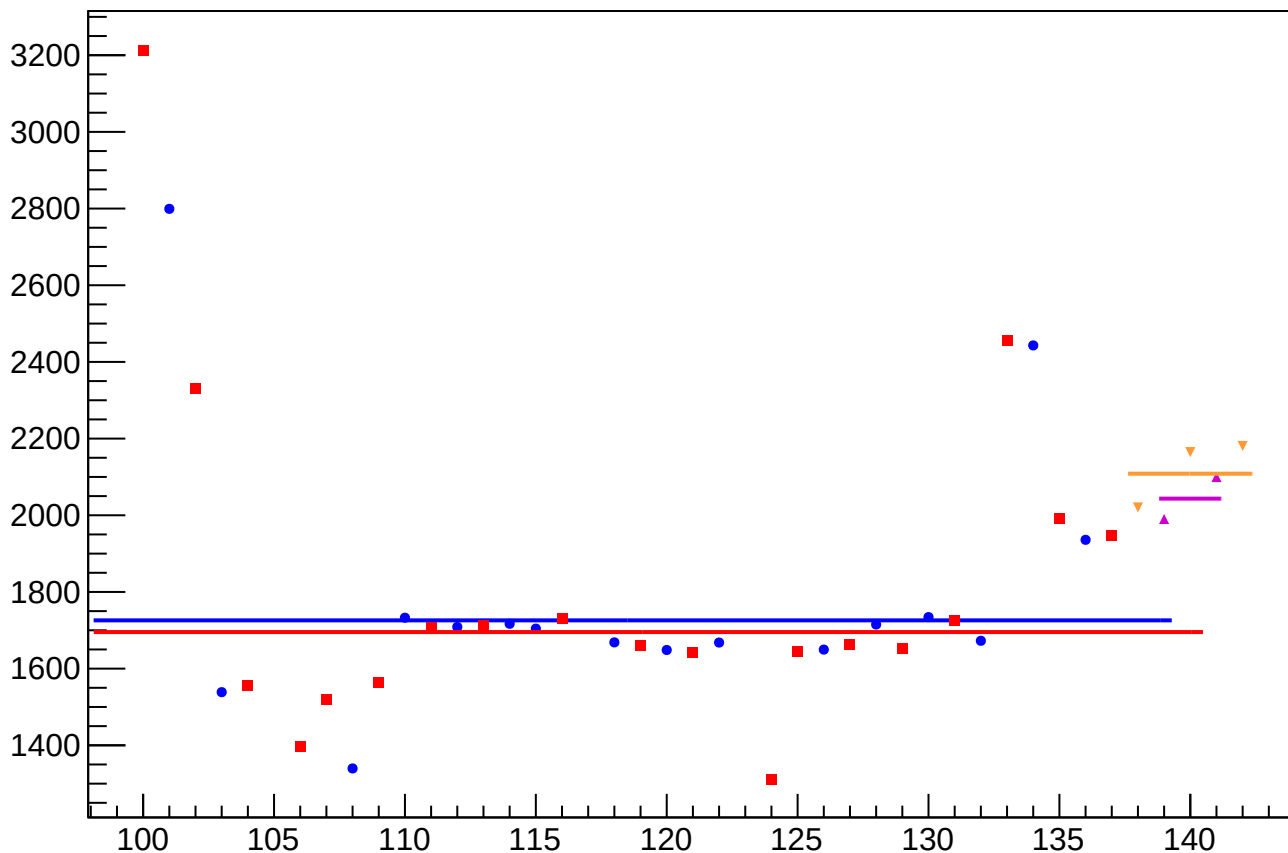
Left In: -3842.124+/-1554.671 χ^2/NDF : 0.6/1

+ sign 2990.256+/-595.301 χ^2/NDF : 12.6/18

All: 165.424+/-419.426 χ^2/NDF : 74.6/39

- sign -2619.099+/-591.038 χ^2/NDF : 17.3/20

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF : 365638.9/15

Left Out: 2108.452+/-1.039 χ^2/NDF : 5069.9/2

Right Out: 1695.387+/-0.452 χ^2/NDF : 285622.0/18

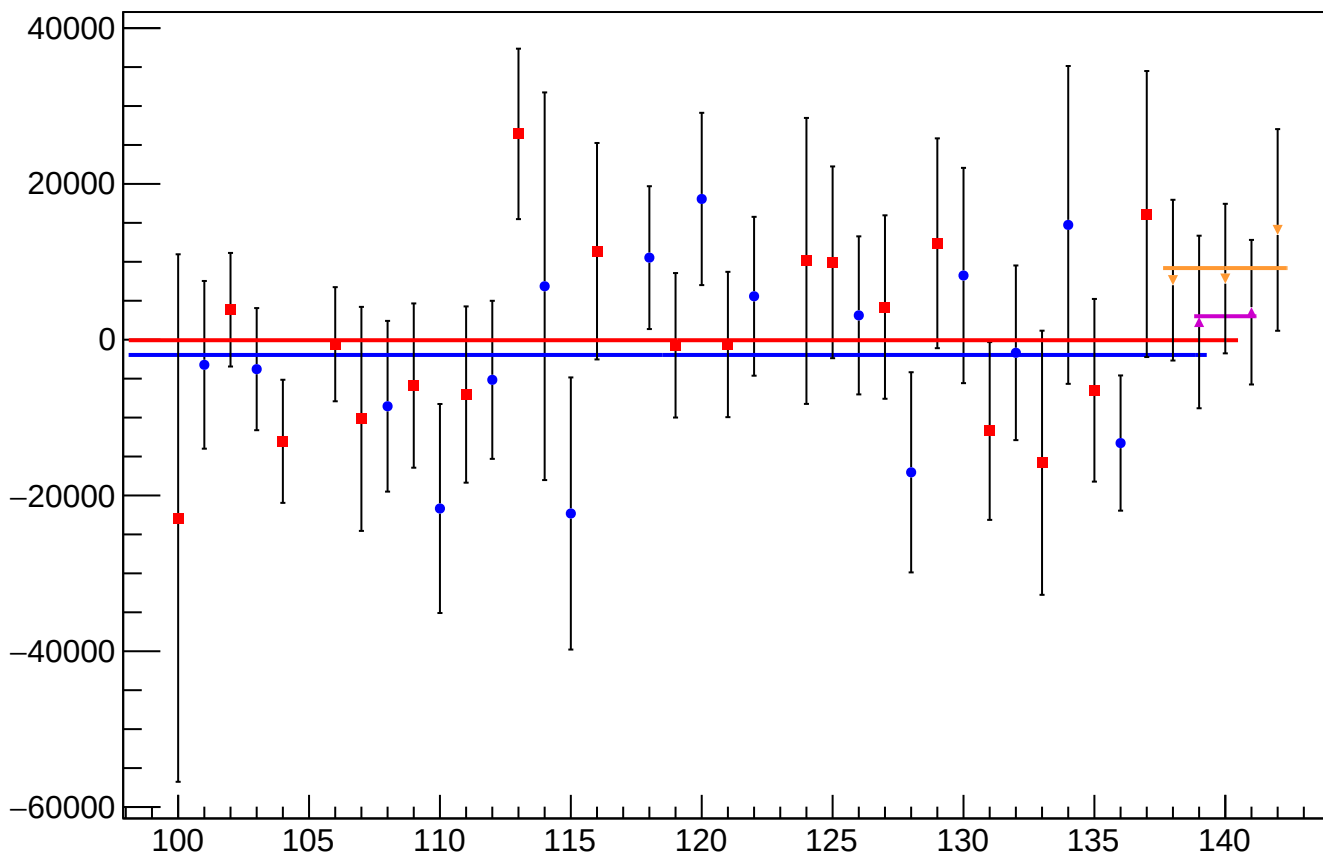
Left In: 2043.421+/-1.099 χ^2/NDF : 2475.6/1

+ sign 1788.687+/-0.421 χ^2/NDF : 483996.2/18

All: 1767.010+/-0.297 χ^2/NDF : 863110.7/39

- sign 1745.656+/-0.418 χ^2/NDF : 373850.4/20

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF : 14.4/15

Left Out: 9194.291+/-6176.623 χ^2/NDF : 0.2/2

Right Out: -68.156+/-2529.527 χ^2/NDF : 16.1/18

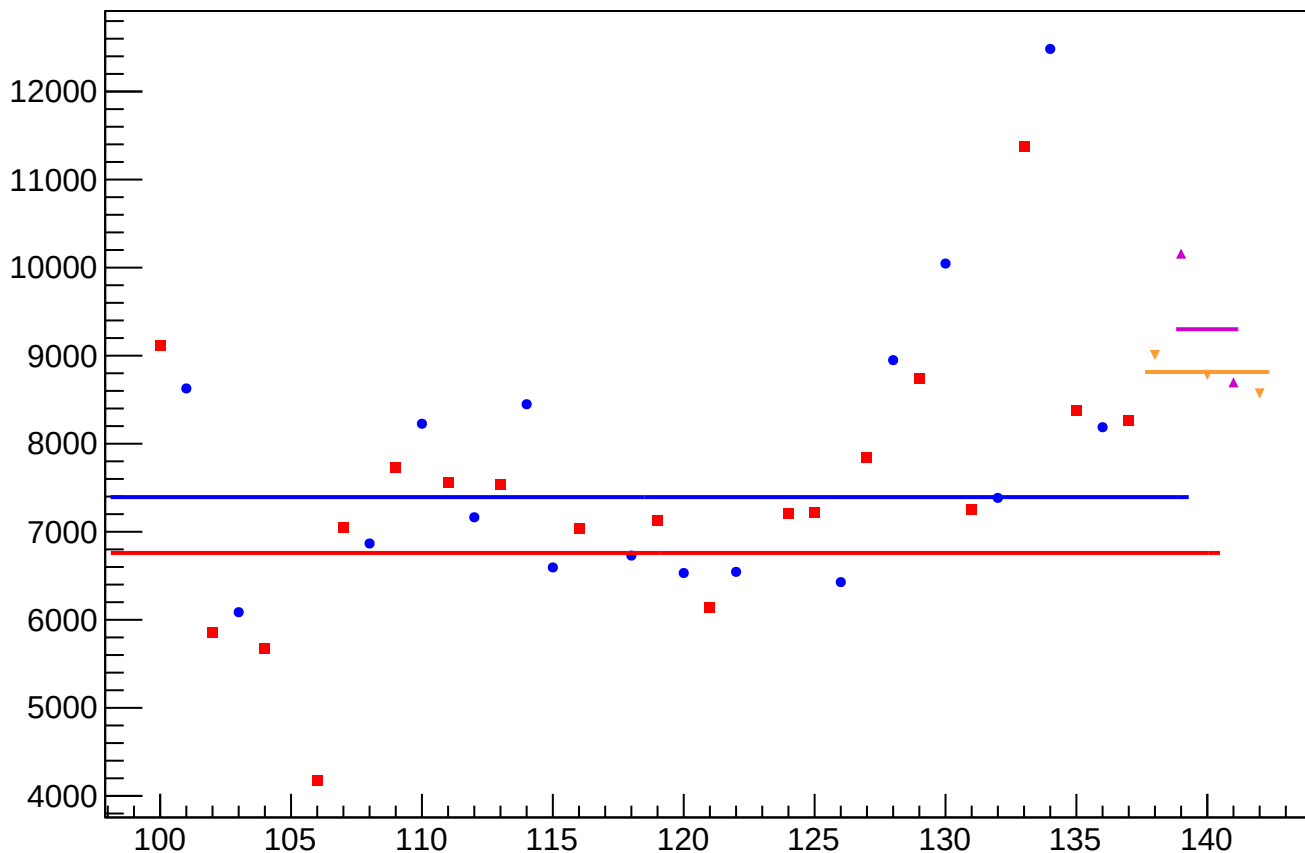
Left In: 3011.596+/-7114.105 χ^2/NDF : 0.0/1

+ sign -59.245+/-2548.922 χ^2/NDF : 17.3/18

All: 120.422+/-1740.876 χ^2/NDF : 33.6/39

- sign 277.505+/-2383.350 χ^2/NDF : 16.3/20

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF : 401826.8/15

Left Out: 8814.703+/-4.368 χ^2/NDF :1429.6/2

Right Out: 6759.428+/-1.789 χ^2/NDF : 644290.9/18

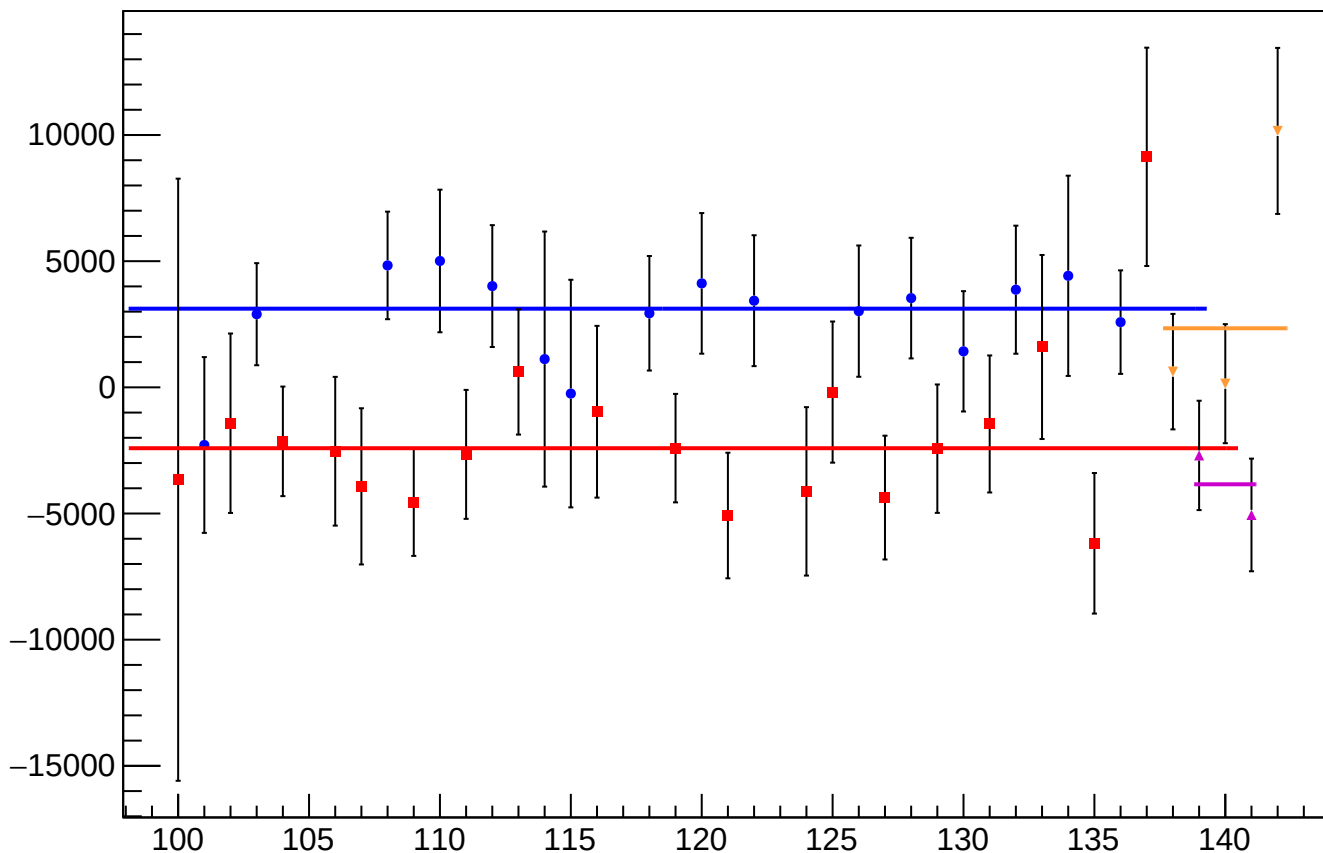
Left In: 9300.263+/-5.030 χ^2/NDF :20471.7/1

+ sign 7635.630+/-1.802 χ^2/NDF : 491095.2/18

All: 7320.299+/-1.231 χ^2/NDF : 1439714.0/39

- sign 7044.603+/-1.685 χ^2/NDF : 891247.8/20

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882 ± 651.118 $\chi^2/\text{NDF}: 5.3/15$

Left Out: 2340.198 ± 1469.535 $\chi^2/\text{NDF}: 7.1/2$

Right Out: -2412.481 ± 639.018 $\chi^2/\text{NDF}: 16.0/18$

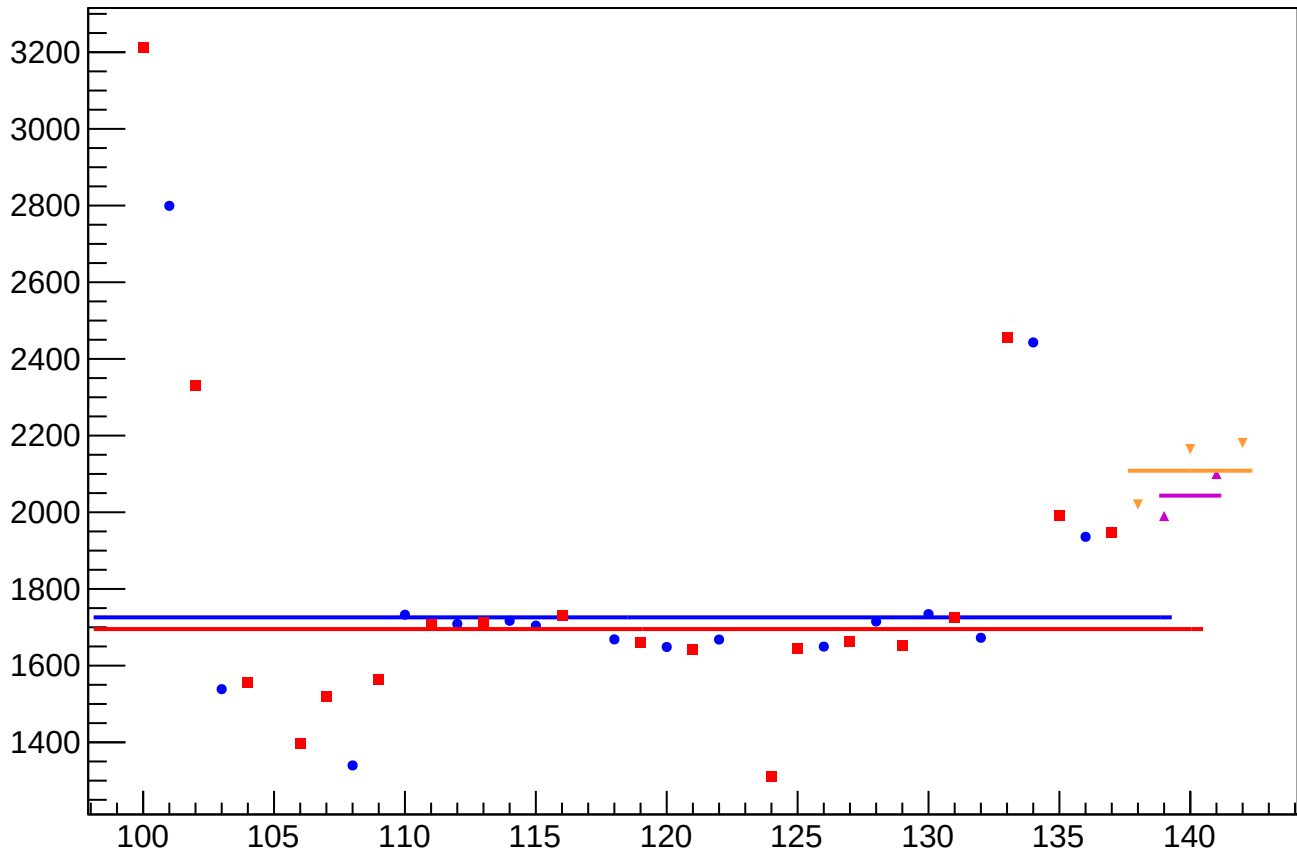
Left In: -3842.099 ± 1554.672 $\chi^2/\text{NDF}: 0.6/1$

+ sign 2990.262 ± 595.301 $\chi^2/\text{NDF}: 12.6/18$

All: 165.426 ± 419.426 $\chi^2/\text{NDF}: 74.6/39$

- sign -2619.102 ± 591.038 $\chi^2/\text{NDF}: 17.3/20$

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF : 365639.0/15

Left Out: 2108.454+/-1.039 χ^2/NDF : 5070.0/2

+ sign 1788.687+/-0.421 χ^2/NDF : 483997.6/18

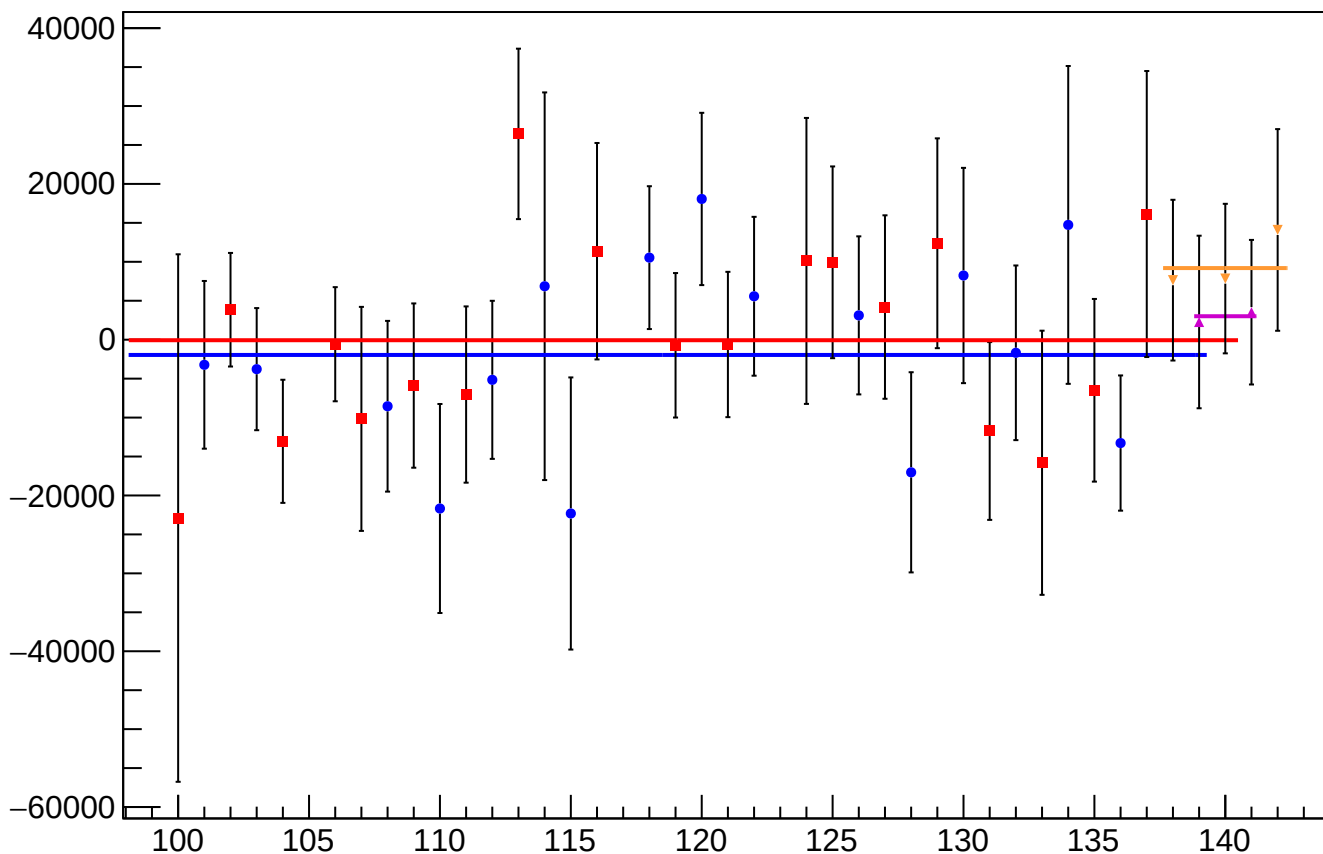
Right Out: 1695.387+/-0.452 χ^2/NDF : 285622.3/18

All: 1767.010+/-0.297 χ^2/NDF : 863113.5/39

- sign 1745.656+/-0.418 χ^2/NDF : 373851.8/20

Left In: 2043.424+/-1.099 χ^2/NDF : 2475.4/1

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF : 14.4/15

Left Out: 9194.321+/-6176.633 χ^2/NDF : 0.2/2

Right Out: -68.163+/-2529.521 χ^2/NDF : 16.1/18

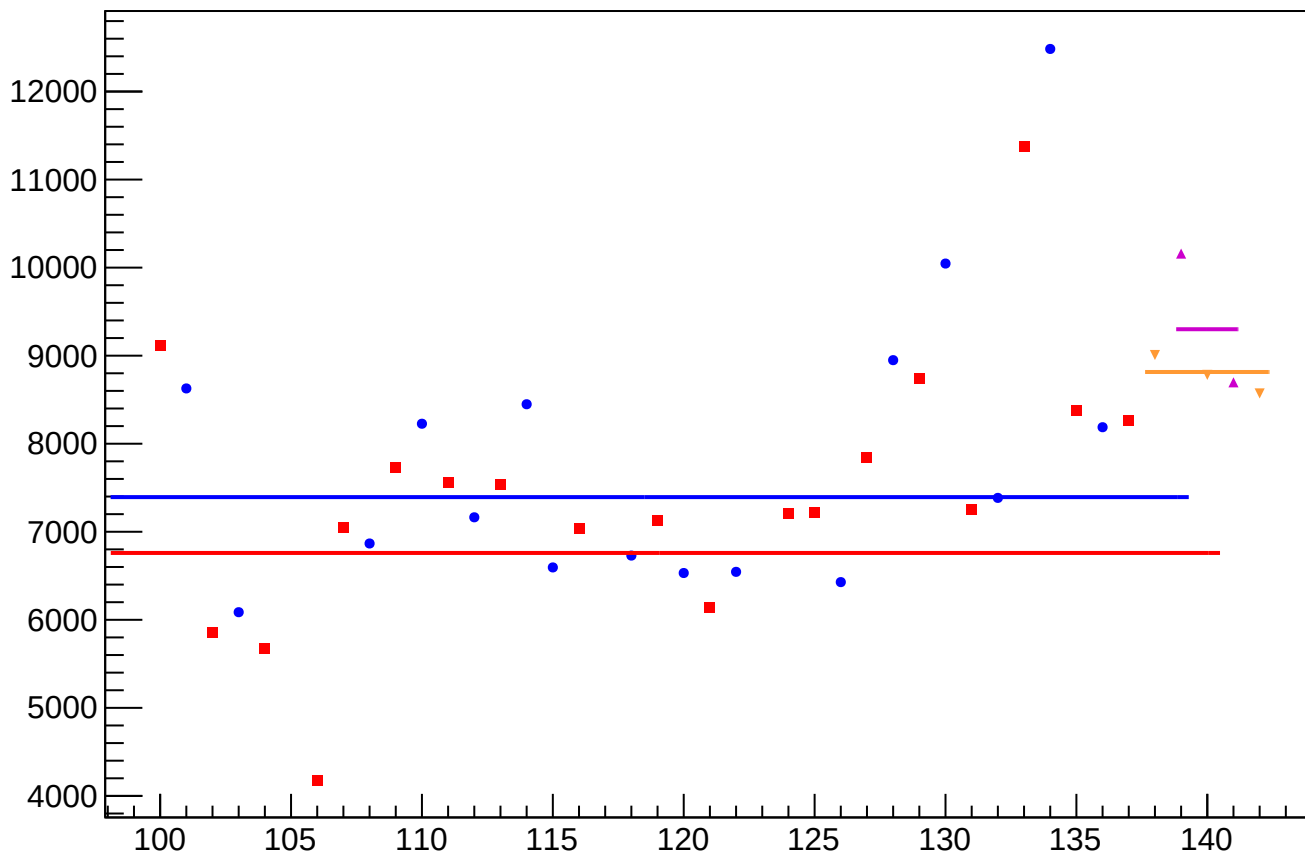
Left In: 3011.618+/-7114.116 χ^2/NDF : 0.0/1

+ sign -59.235+/-2548.918 χ^2/NDF : 17.3/18

All: 120.423+/-1740.873 χ^2/NDF : 33.6/39

- sign 277.499+/-2383.346 χ^2/NDF : 16.3/20

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605 $\pm$ 1.979 χ^2/NDF : 401829.0/15

Left Out: 8814.717 $\pm$ 4.368 χ^2/NDF :1429.6/2

Right Out: 6759.413 $\pm$ 1.789 χ^2/NDF : 644289.7/18

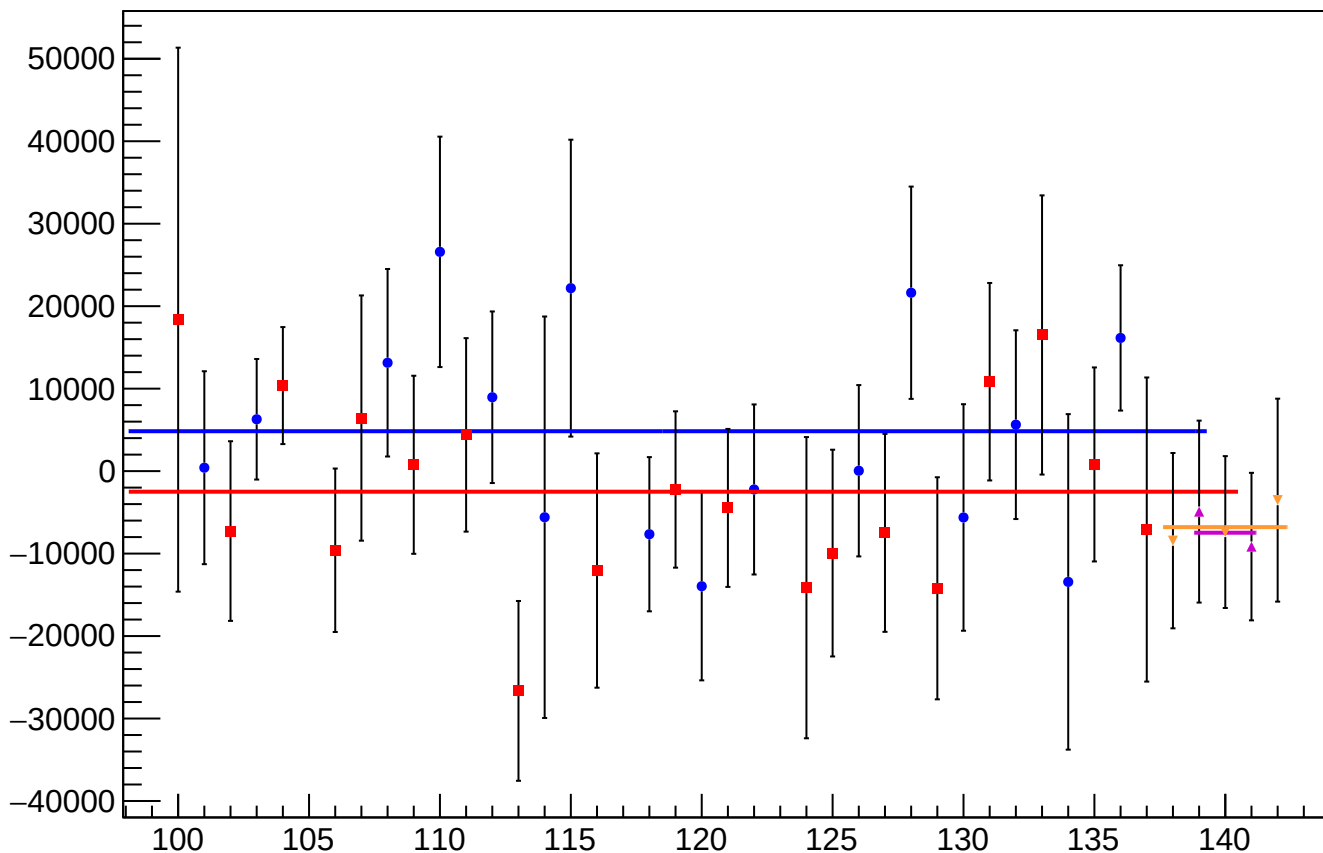
Left In: 9300.277 $\pm$ 5.030 χ^2/NDF :20472.3/1

+ sign 7635.617 $\pm$ 1.802 χ^2/NDF : 491101.3/18

All: 7320.285 $\pm$ 1.231 χ^2/NDF : 1439724.0/39

- sign 7044.590 $\pm$ 1.685 χ^2/NDF : 891251.7/20

asym_at2_avg_mean vs Slug



Right In: 4837.820 $\pm$ 2828.918 χ^2 /NDF: 14.3/15

Left Out: -6790.939 $\pm$ 6057.644 χ^2 /NDF:0.1/2

Right Out: -2495.844 $\pm$ 2695.530 χ^2 /NDF: 14.9/18

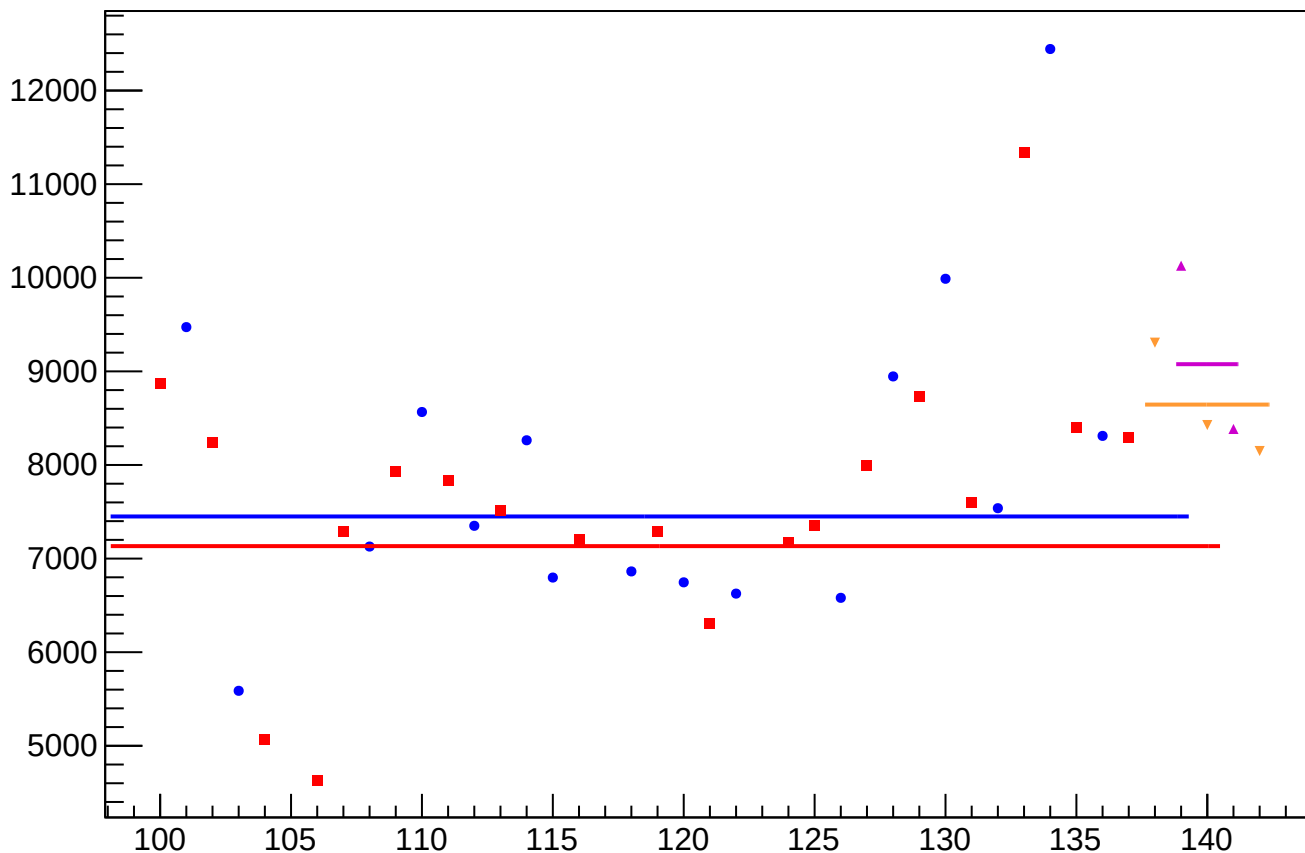
Left In: -7468.997 $\pm$ 6947.646 χ^2 /NDF:0.1/1

+ sign 2755.787 $\pm$ 2563.190 χ^2 /NDF: 17.5/18

All: -253.683 $\pm$ 1794.448 χ^2 /NDF: 35.6/39

- sign -3146.495 $\pm$ 2513.020 χ^2 /NDF: 15.5/20

asym_at2_avg_rms vs Slug



Right In: 7449.985 $\pm$ 2.000 χ^2 /NDF: 486427.7/15

Left Out: 8645.146 $\pm$ 4.283 χ^2 /NDF: 12119.8/2

Right Out: 7133.115 $\pm$ 1.906 χ^2 /NDF: 556993.0/18

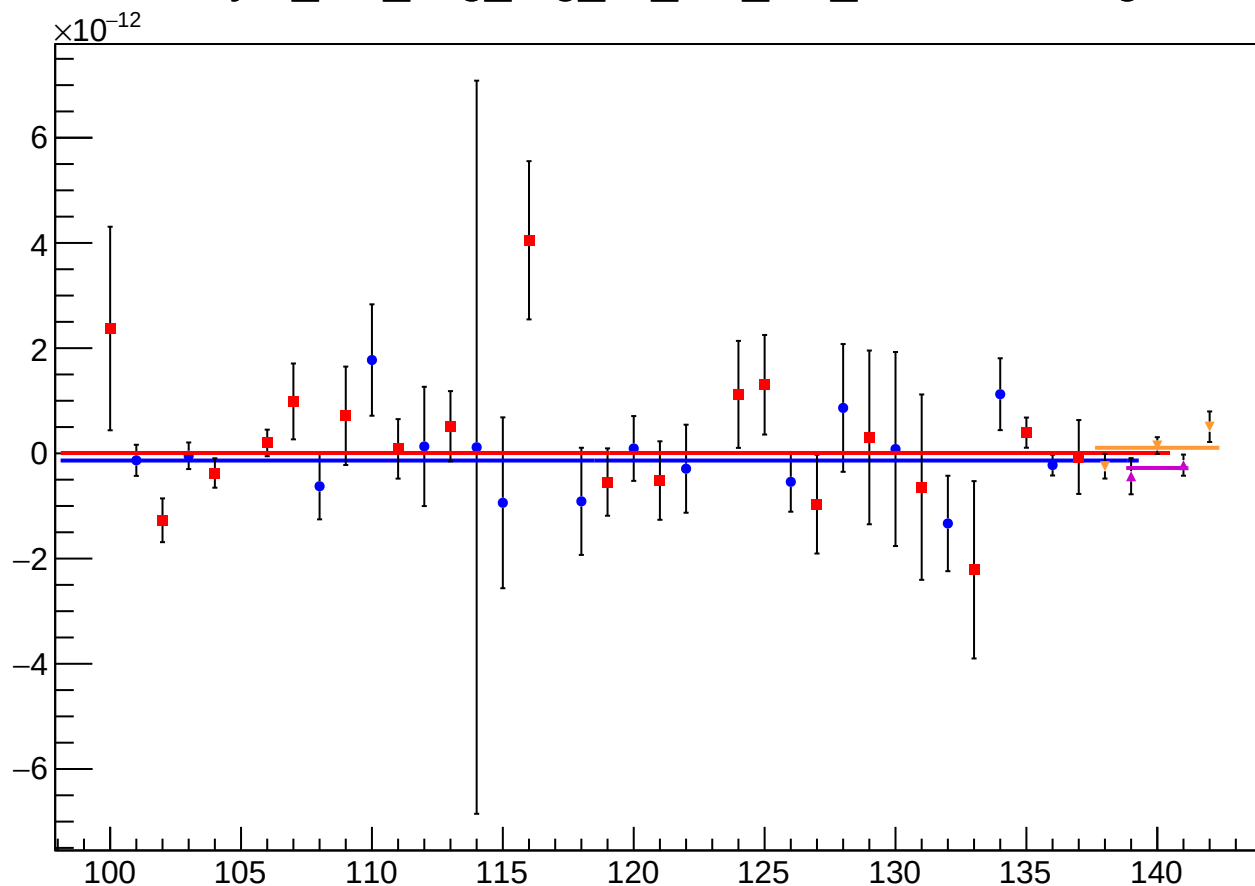
Left In: 9076.745 $\pm$ 4.913 χ^2 /NDF: 30154.2/1

+ sign 7663.966 $\pm$ 1.812 χ^2 /NDF: 562461.7/18

All: 7522.929 $\pm$ 1.269 χ^2 /NDF: 1297532.6/39

- sign 7387.374 $\pm$ 1.777 χ^2 /NDF: 723195.6/20

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 : 4.2/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 32.8/18

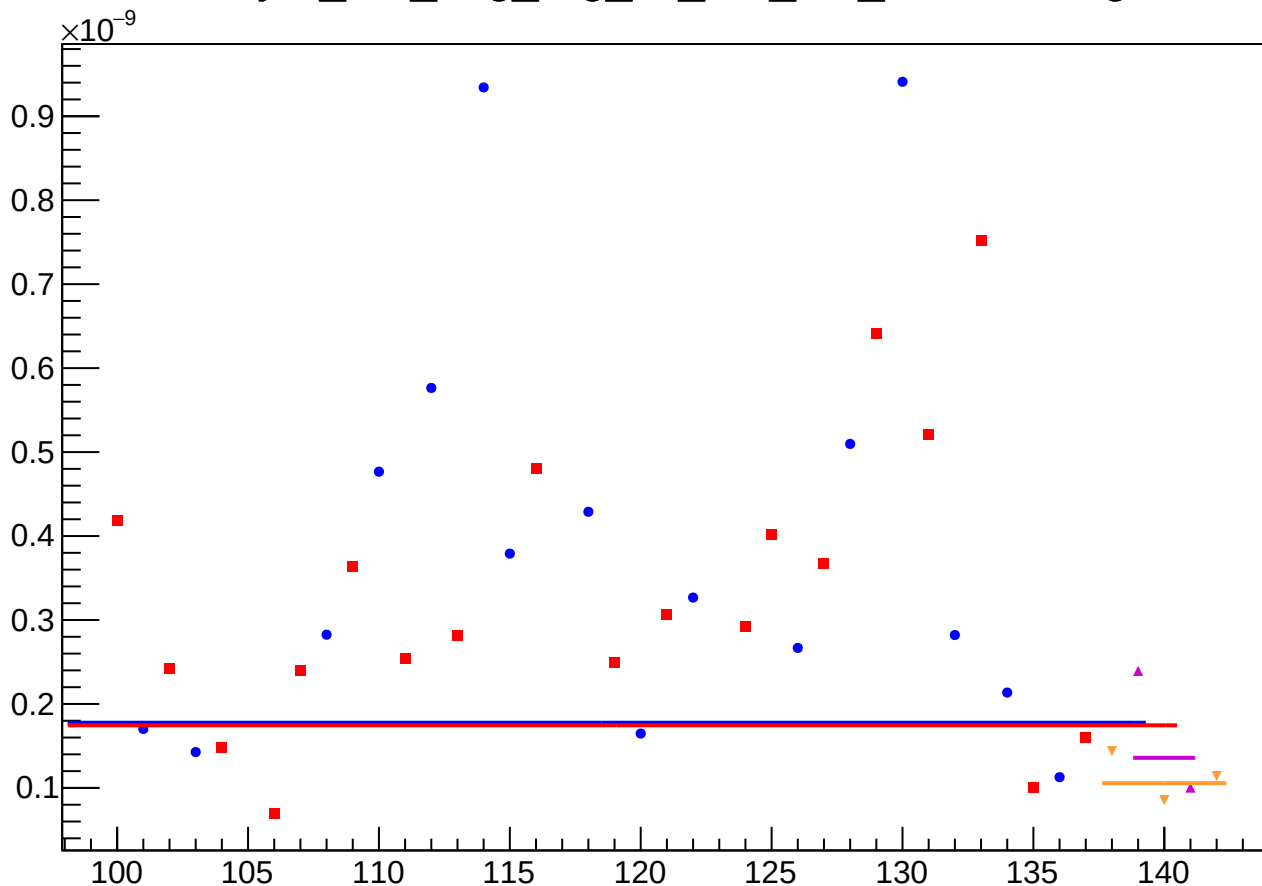
Left In: -0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 17.8/18

All: -0.000 ± 0.000 χ^2/NDF : 53.0/39

- sign -0.000 ± 0.000 χ^2/NDF : 34.8/20

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 : 86943.5/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1641366.3/18

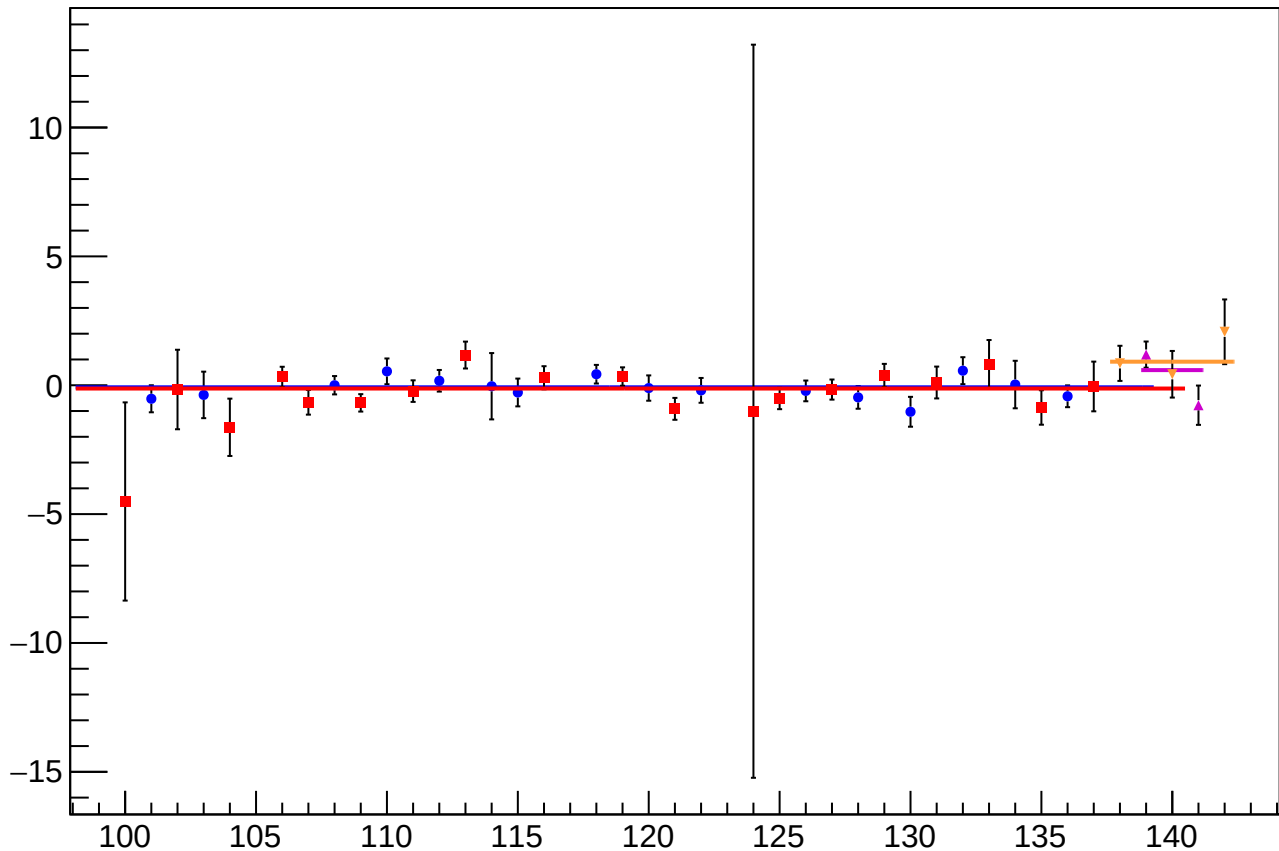
Left In: 0.000+/-0.000 χ^2/NDF : 244457.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 1977745.6/18

All: 0.000+/-0.000 χ^2/NDF : 3976023.4/39

- sign 0.000+/-0.000 χ^2/NDF : 1952199.0/20

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080 ± 0.122 χ^2/NDF : 10.8/15

Left Out: 0.914 ± 0.499 χ^2/NDF : 1.2/2

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

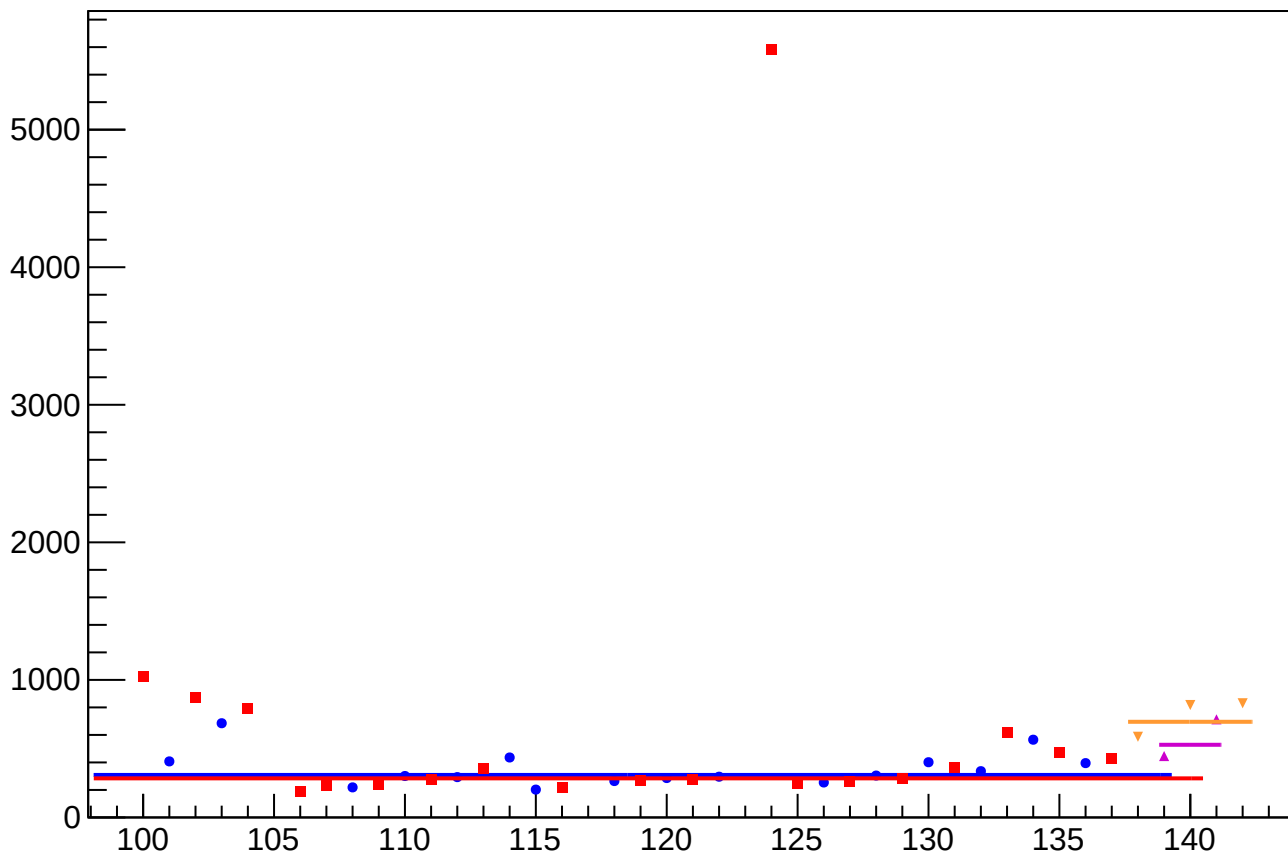
Left In: 0.587 ± 0.422 χ^2/NDF : 4.6/1

+ sign -0.024 ± 0.118 χ^2/NDF : 15.7/18

All: -0.052 ± 0.082 χ^2/NDF : 48.3/39

- sign -0.077 ± 0.113 χ^2/NDF : 32.5/20

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093 $\pm$ 0.086 χ^2 /NDF: 1014604.9/15

Left Out: 695.435 $\pm$ 0.353 χ^2 /NDF:110376.4/2

Right Out: 284.189 $\pm$ 0.083 χ^2 /NDF: 1856451.4/18

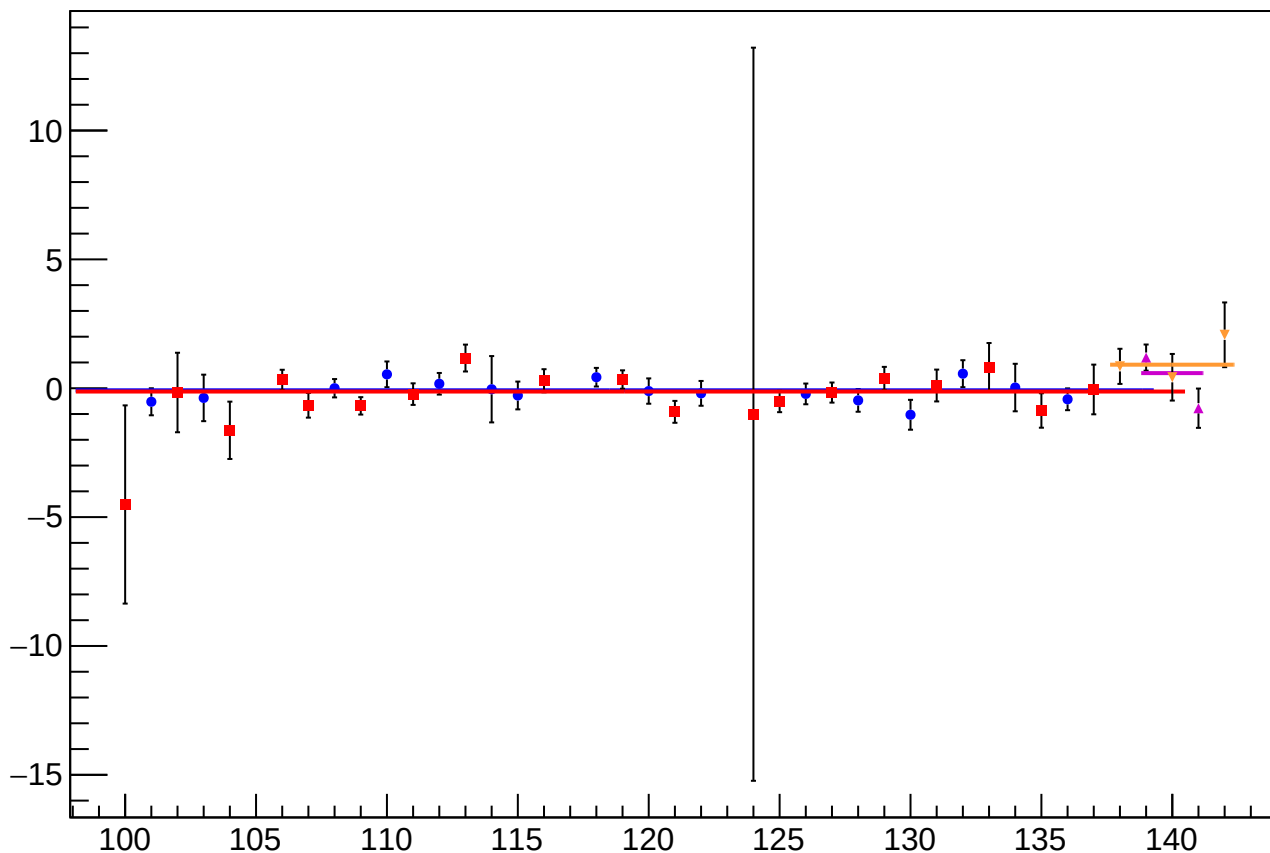
Left In: 528.296 $\pm$ 0.299 χ^2 /NDF:169923.7/1

+ sign 330.809 $\pm$ 0.084 χ^2 /NDF: 2254801.9/18

All: 315.465 $\pm$ 0.058 χ^2 /NDF: 4965985.0/39

- sign 301.569 $\pm$ 0.080 χ^2 /NDF: 2647165.6/20

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: 0.914 ± 0.499 χ^2/NDF : 1.2/2

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

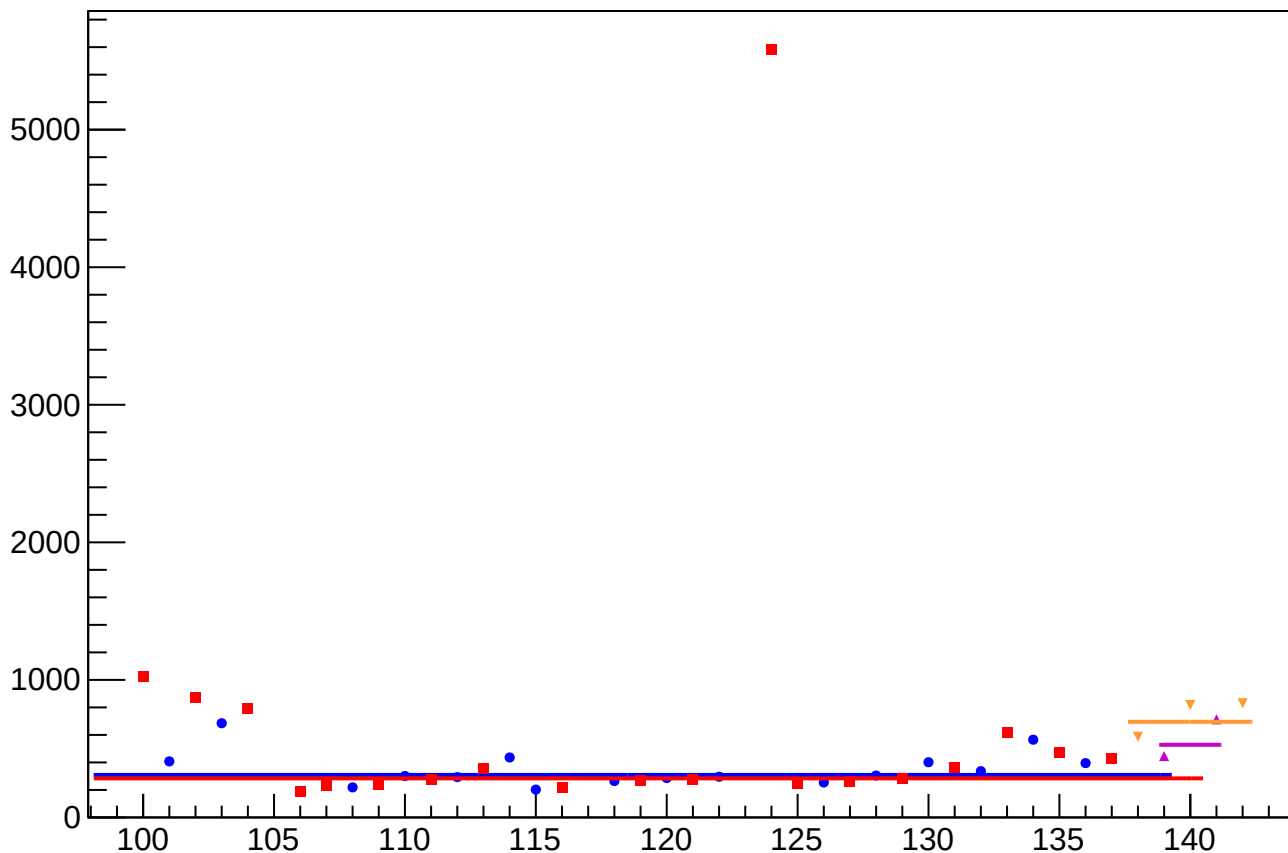
Left In: 0.587 ± 0.422 χ^2/NDF : 4.6/1

+ sign -0.024 ± 0.118 χ^2/NDF : 15.7/18

All: -0.052 ± 0.082 χ^2/NDF : 48.3/39

- sign -0.077 ± 0.113 χ^2/NDF : 32.5/20

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093 $\pm$ 0.086 χ^2 /NDF: 1014604.9/15

Left Out: 695.435 $\pm$ 0.353 χ^2 /NDF:110376.4/2

Right Out: 284.189 $\pm$ 0.083 χ^2 /NDF: 1856451.4/18

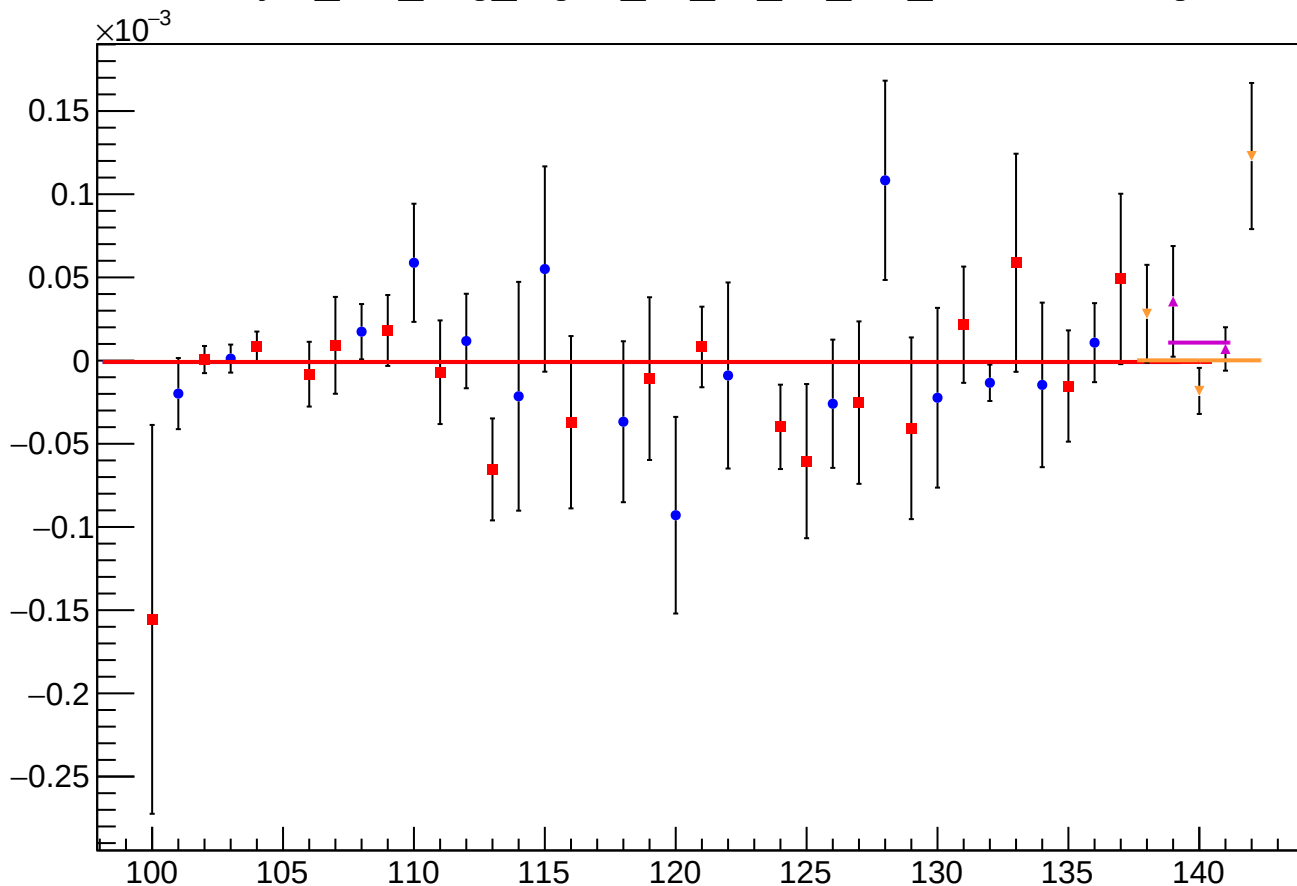
Left In: 528.296 $\pm$ 0.299 χ^2 /NDF:169923.7/1

+ sign 330.809 $\pm$ 0.084 χ^2 /NDF: 2254801.9/18

All: 315.465 $\pm$ 0.058 χ^2 /NDF: 4965985.0/39

- sign 301.569 $\pm$ 0.080 χ^2 /NDF: 2647165.6/20

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:10.5/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.1/18

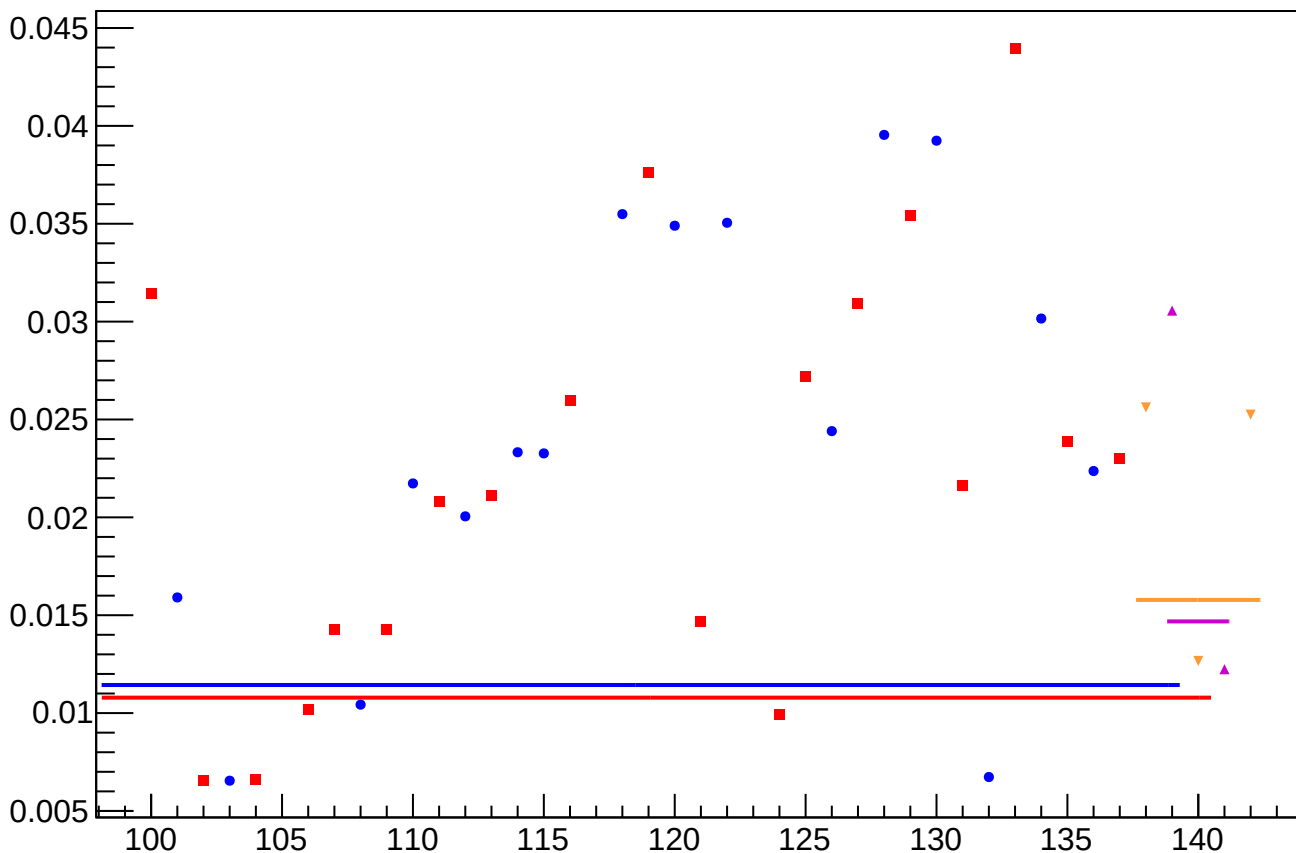
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.6/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.0/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.6/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/20

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 4699938.2/15

Left Out: 0.016 $\pm$ 0.000 χ^2/NDF : 418058.5/2

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 4473688.9/18

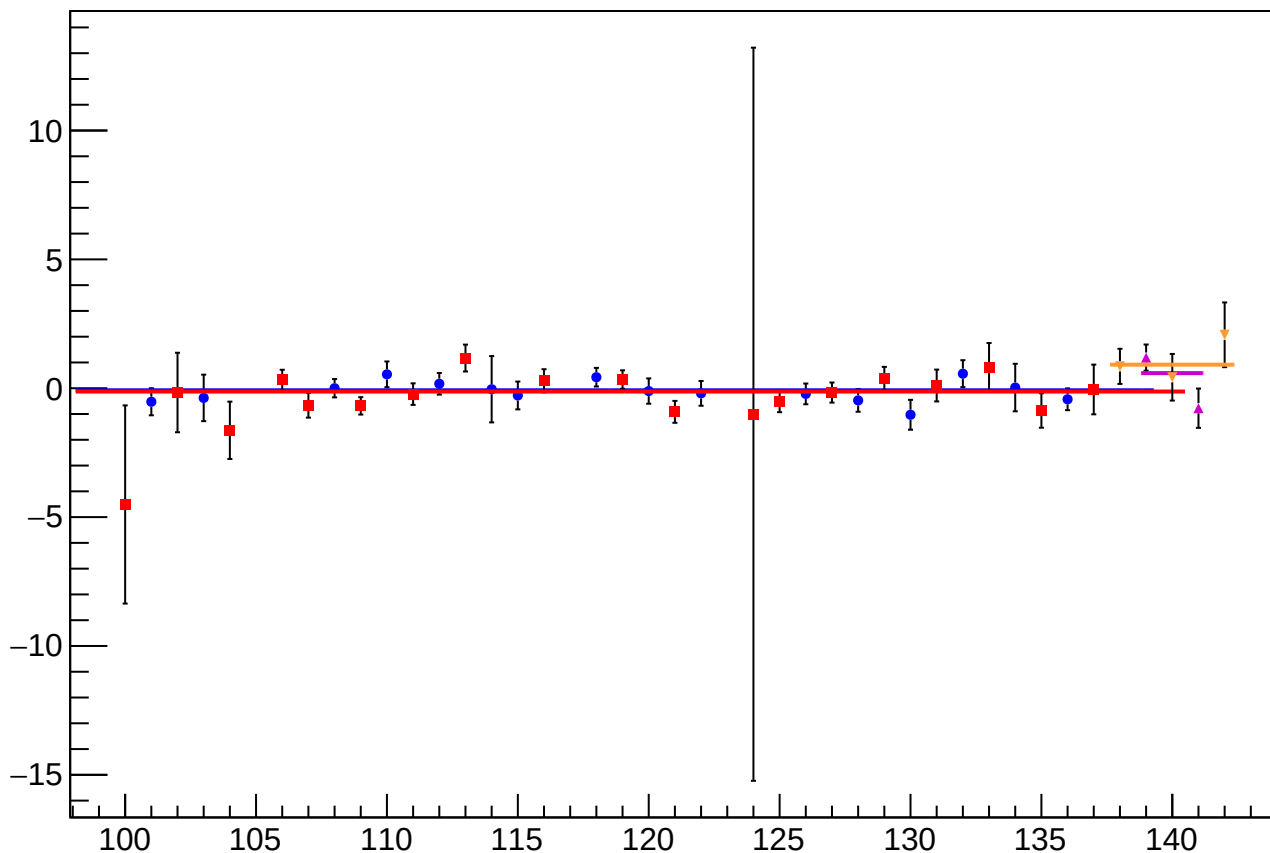
Left In: 0.015 $\pm$ 0.000 χ^2/NDF : 526056.1/1

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 5336061.6/18

All: 0.012 $\pm$ 0.000 χ^2/NDF : 10544003.7/39

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 5177227.1/20

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: 0.914 ± 0.499 χ^2/NDF : 1.2/2

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

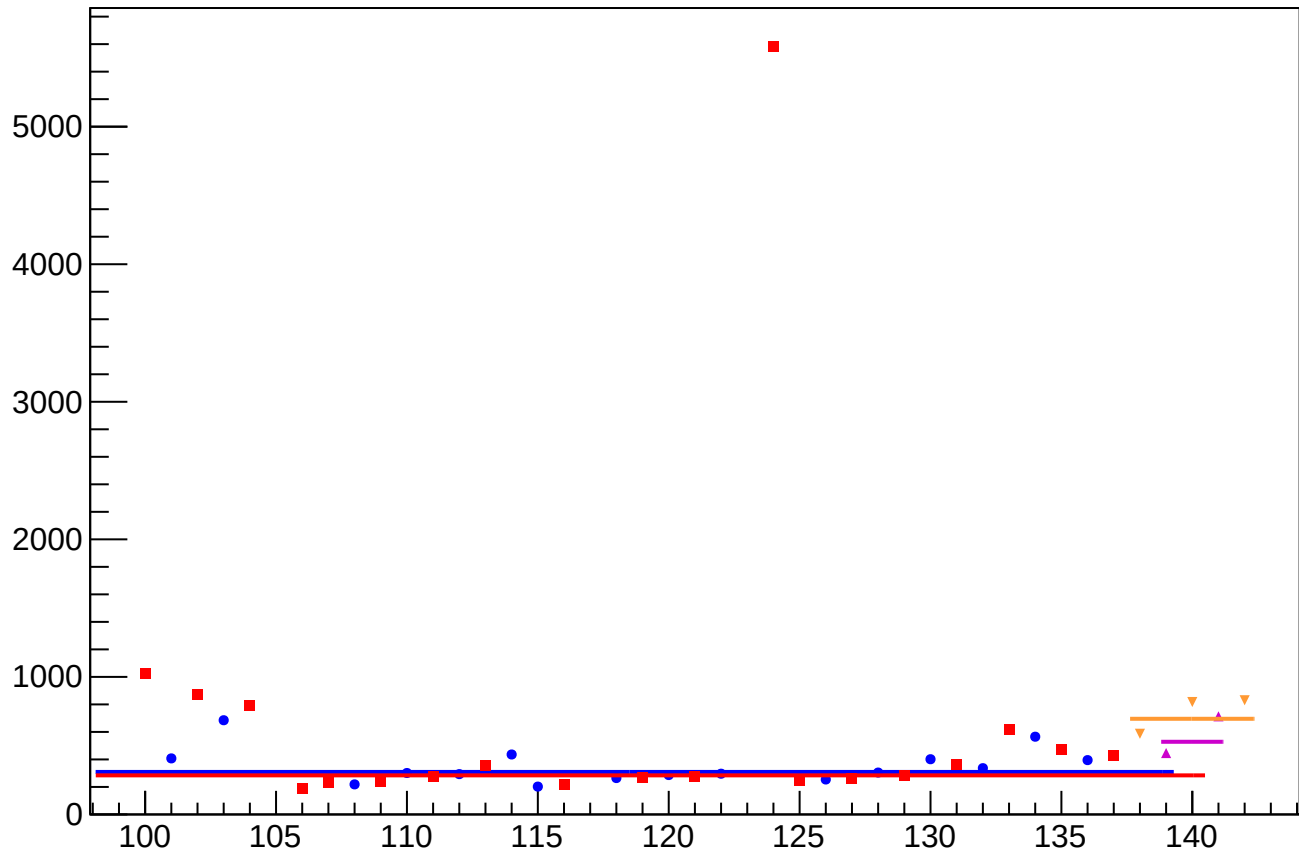
Left In: 0.587 ± 0.422 χ^2/NDF : 4.6/1

+ sign -0.024 ± 0.118 χ^2/NDF : 15.7/18

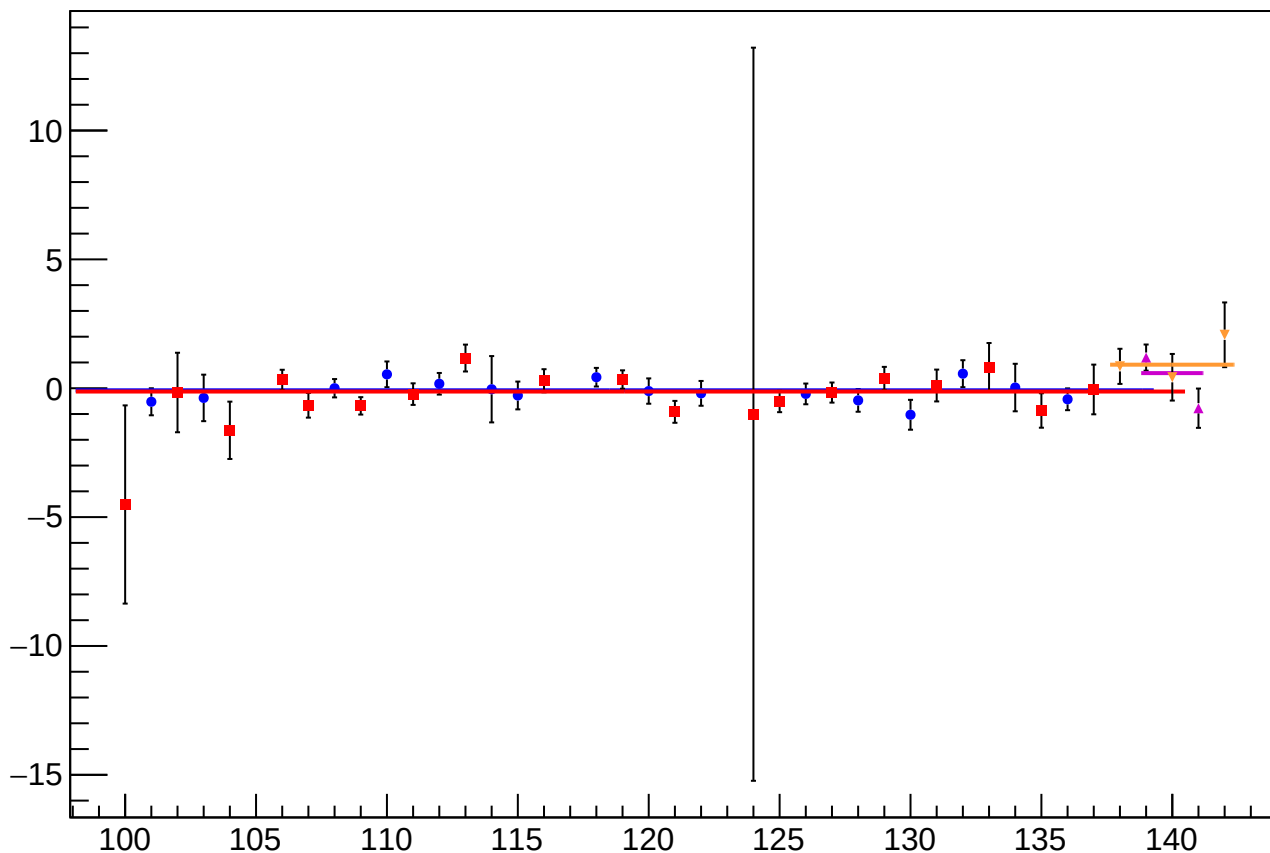
All: -0.052 ± 0.082 χ^2/NDF : 48.3/39

- sign -0.077 ± 0.113 χ^2/NDF : 32.5/20

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



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: 0.914 ± 0.499 χ^2/NDF : 1.2/2

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

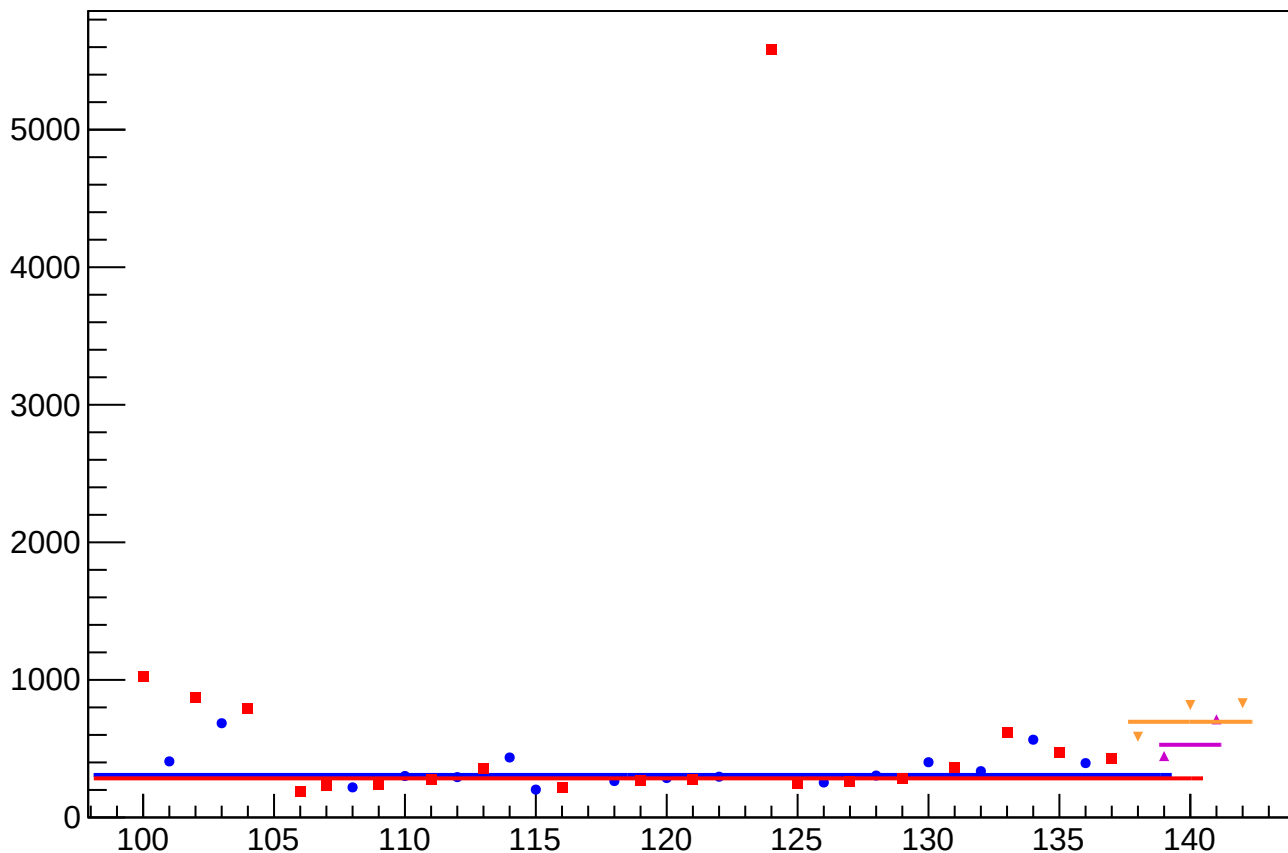
Left In: 0.587 ± 0.422 χ^2/NDF : 4.6/1

+ sign -0.024 ± 0.118 χ^2/NDF : 15.7/18

All: -0.052 ± 0.082 χ^2/NDF : 48.3/39

- sign -0.077 ± 0.113 χ^2/NDF : 32.5/20

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: 695.442+/-0.353 χ^2/NDF : 110375.3/2

Right Out: 284.188+/-0.083 χ^2/NDF : 1856434.1/18

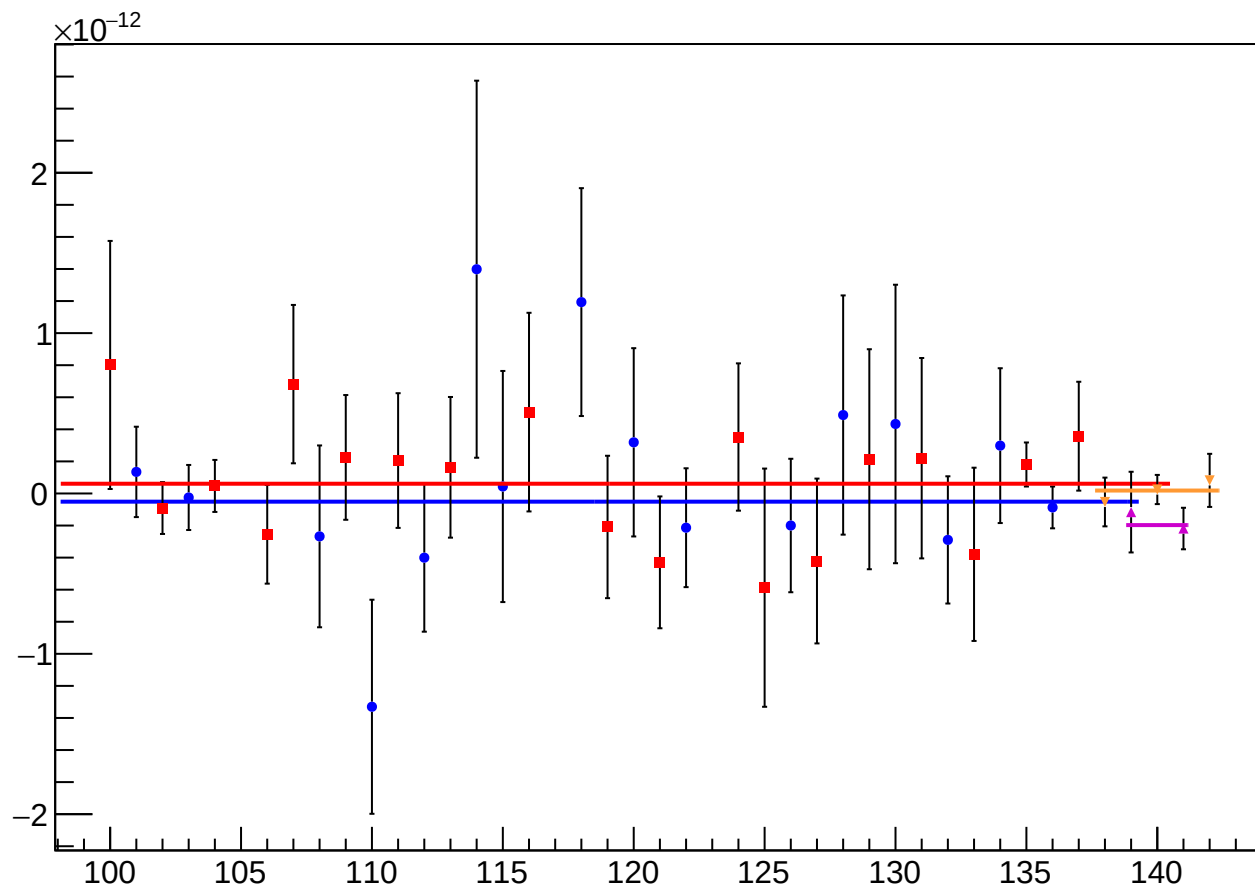
Left In: 528.306+/-0.299 χ^2/NDF : 169911.8/1

+ sign 330.808+/-0.084 χ^2/NDF : 2254794.7/18

All: 315.465+/-0.058 χ^2/NDF : 4965982.2/39

- sign 301.568+/-0.080 χ^2/NDF : 2647171.1/20

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 : 0.4/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 11.4/18

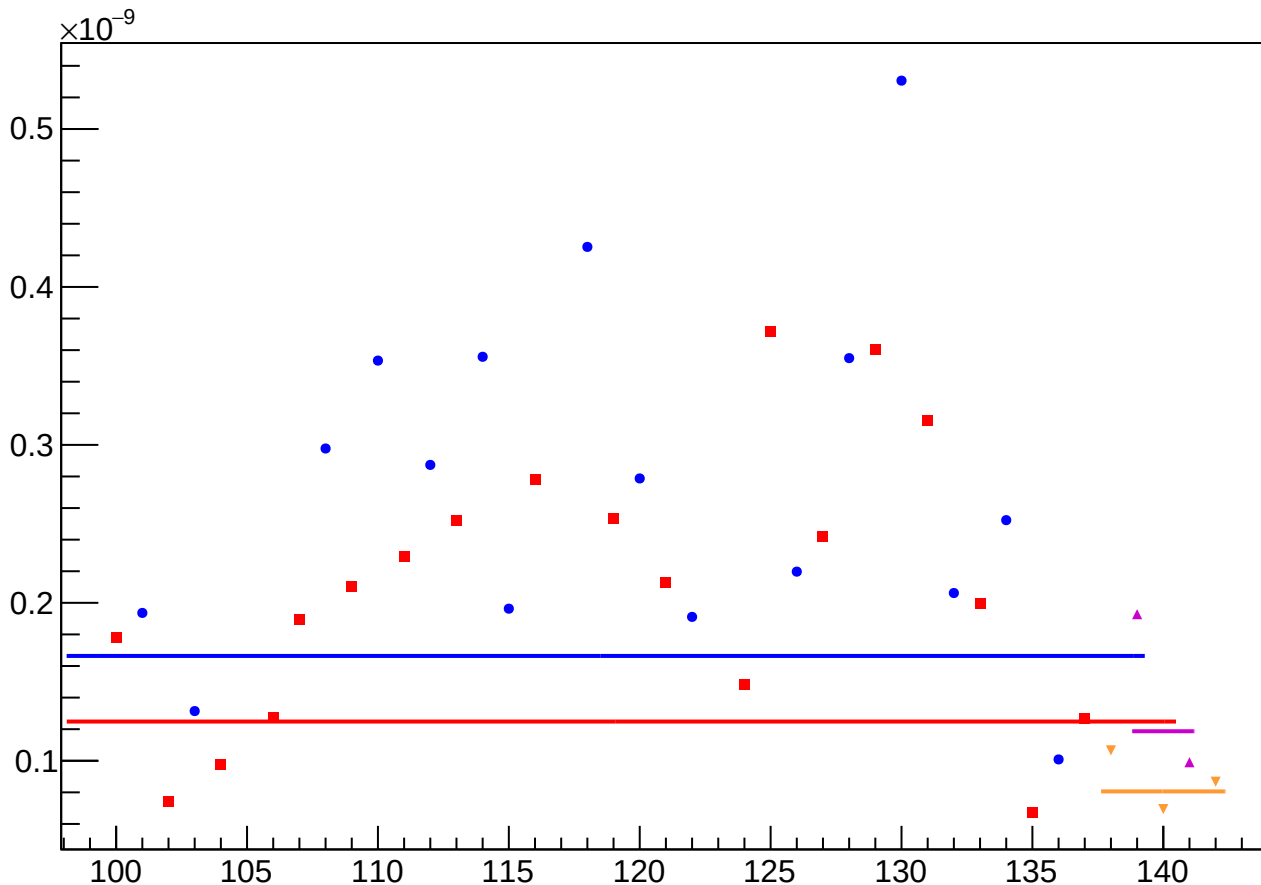
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 12.7/18

All: -0.000 ± 0.000 χ^2/NDF : 28.0/39

- sign -0.000 ± 0.000 χ^2/NDF : 15.2/20

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 : 91470.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2209554.2/18

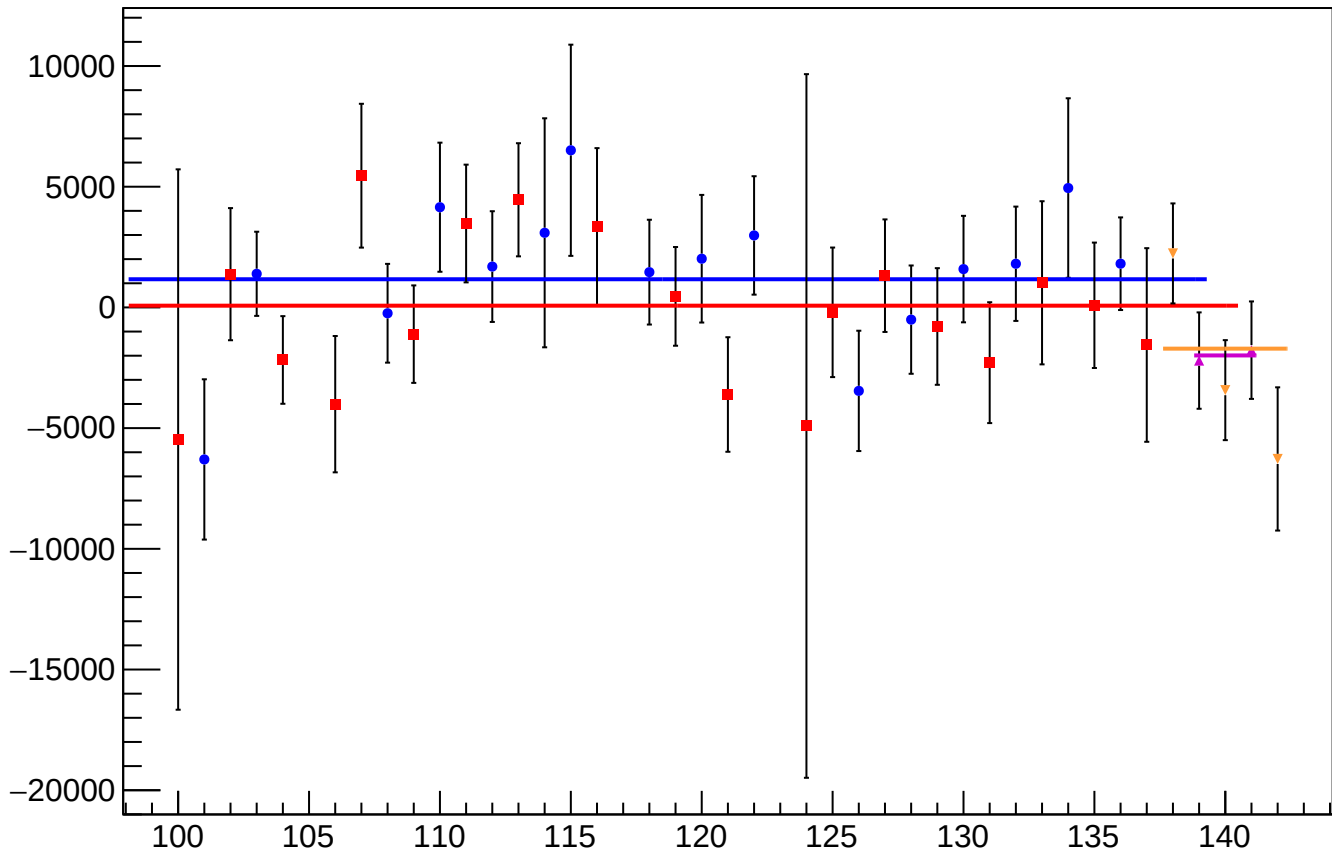
Left In: 0.000+/-0.000 χ^2/NDF : 219577.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 3289767.1/18

All: 0.000+/-0.000 χ^2/NDF : 5739344.7/39

- sign 0.000+/-0.000 χ^2/NDF : 2433272.2/20

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862 ± 609.171 $\chi^2/\text{NDF}: 14.4/15$

Left Out: -1707.777 ± 1313.235 $\chi^2/\text{NDF}: 6.7/2$

Right Out: 72.181 ± 603.362 $\chi^2/\text{NDF}: 18.3/18$

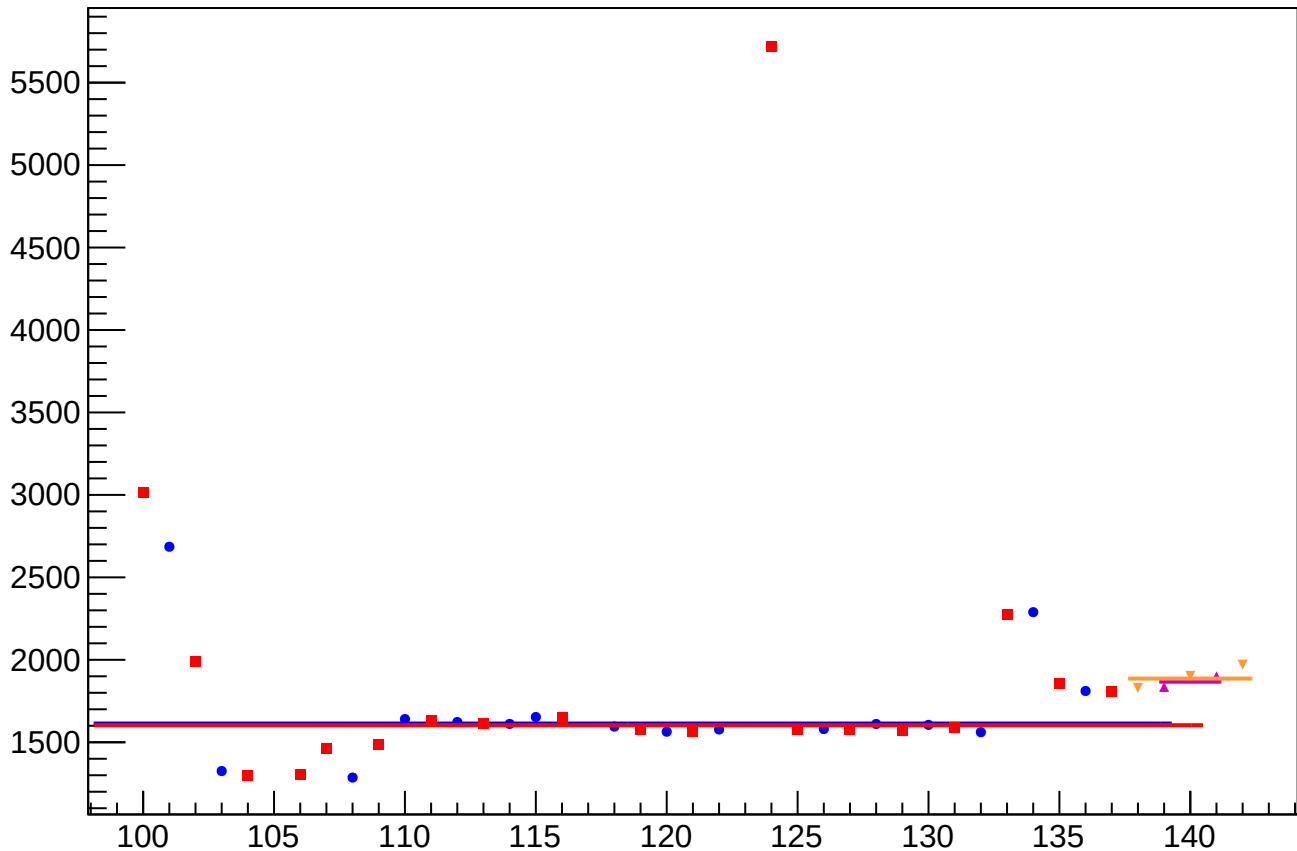
Left In: -1989.033 ± 1419.510 $\chi^2/\text{NDF}: 0.0/1$

+ sign 657.838 ± 552.611 $\chi^2/\text{NDF}: 25.1/18$

All: 209.477 ± 391.696 $\chi^2/\text{NDF}: 46.5/39$

- sign -243.228 ± 555.282 $\chi^2/\text{NDF}: 20.1/20$

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF : 404688.5/15

Left Out: 1886.277+/-0.929 χ^2/NDF : 3224.7/2

Right Out: 1603.464+/-0.427 χ^2/NDF : 425793.5/18

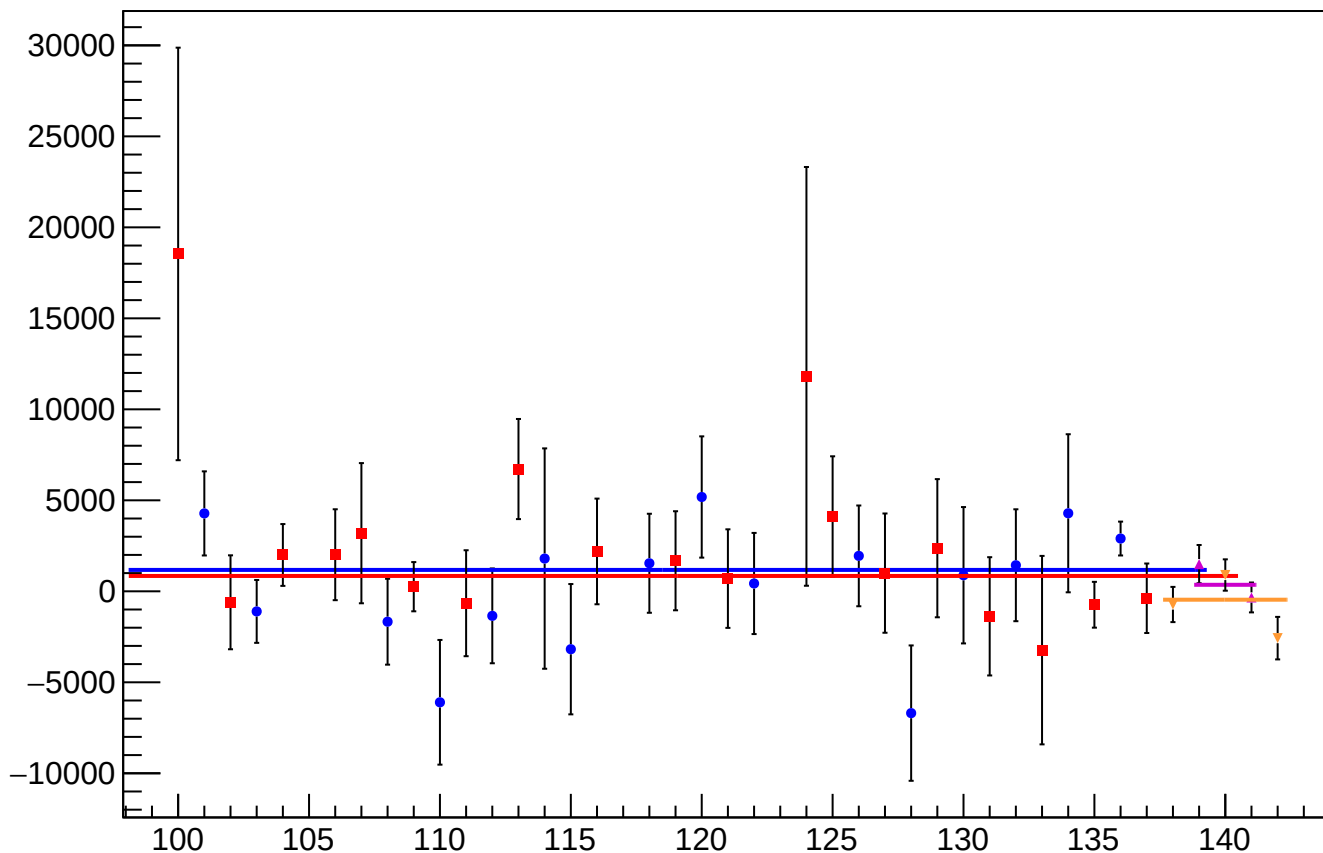
Left In: 1867.217+/-1.004 χ^2/NDF : 1013.3/1

+ sign 1661.945+/-0.391 χ^2/NDF : 478833.1/18

All: 1652.928+/-0.277 χ^2/NDF : 965191.5/39

- sign 1643.824+/-0.393 χ^2/NDF : 485288.3/20

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF : 22.0/15

Left Out: -461.522+/-563.565 χ^2/NDF : 5.8/2

Right Out: 843.857+/-557.438 χ^2/NDF : 14.3/18

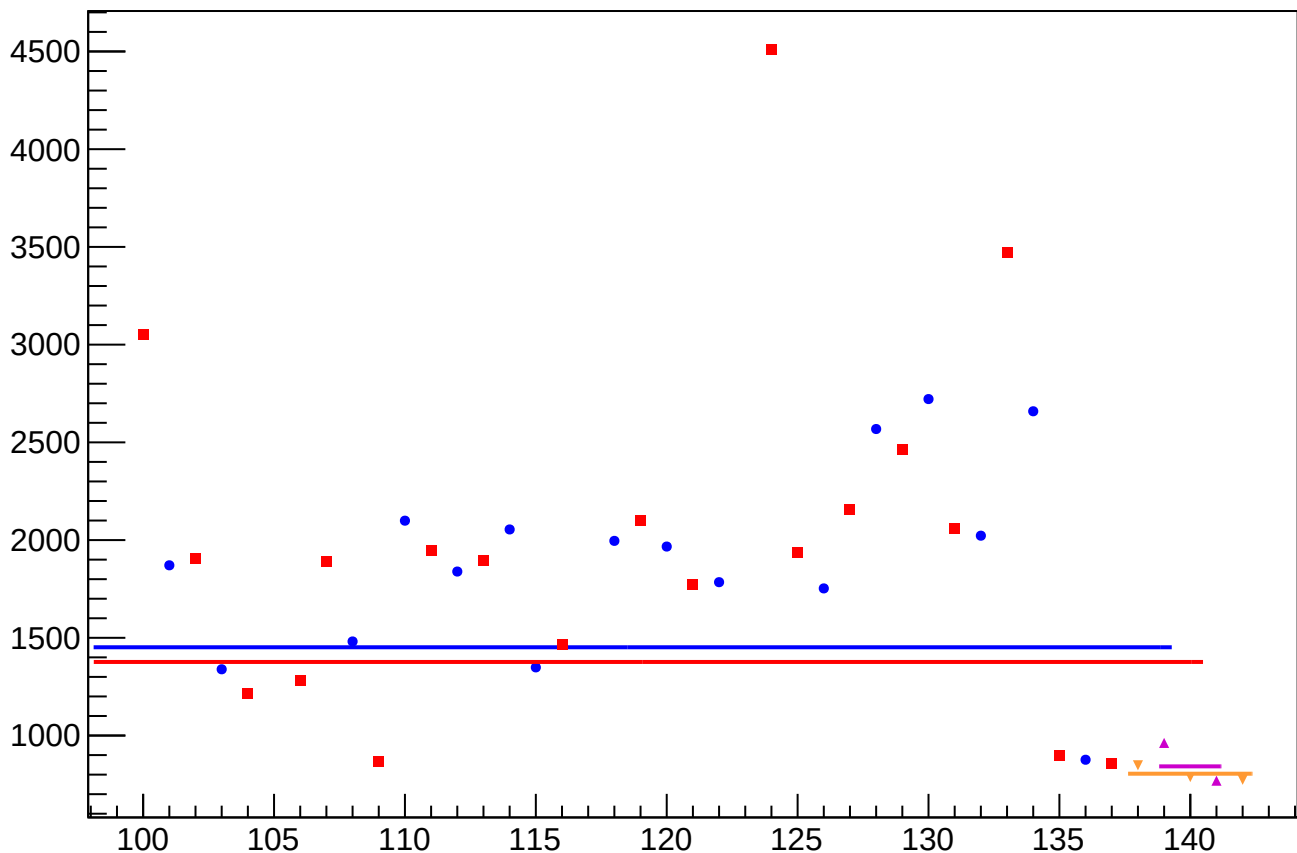
Left In: 357.244+/-646.666 χ^2/NDF : 1.9/1

+ sign 334.780+/-403.868 χ^2/NDF : 31.9/18

All: 478.899+/-291.850 χ^2/NDF : 48.7/39

- sign 636.413+/-422.220 χ^2/NDF : 16.5/20

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF : 1790839.5/15

Left Out: 804.700+/-0.399 χ^2/NDF : 6164.2/2

Right Out: 1376.470+/-0.394 χ^2/NDF : 2132051.1/18

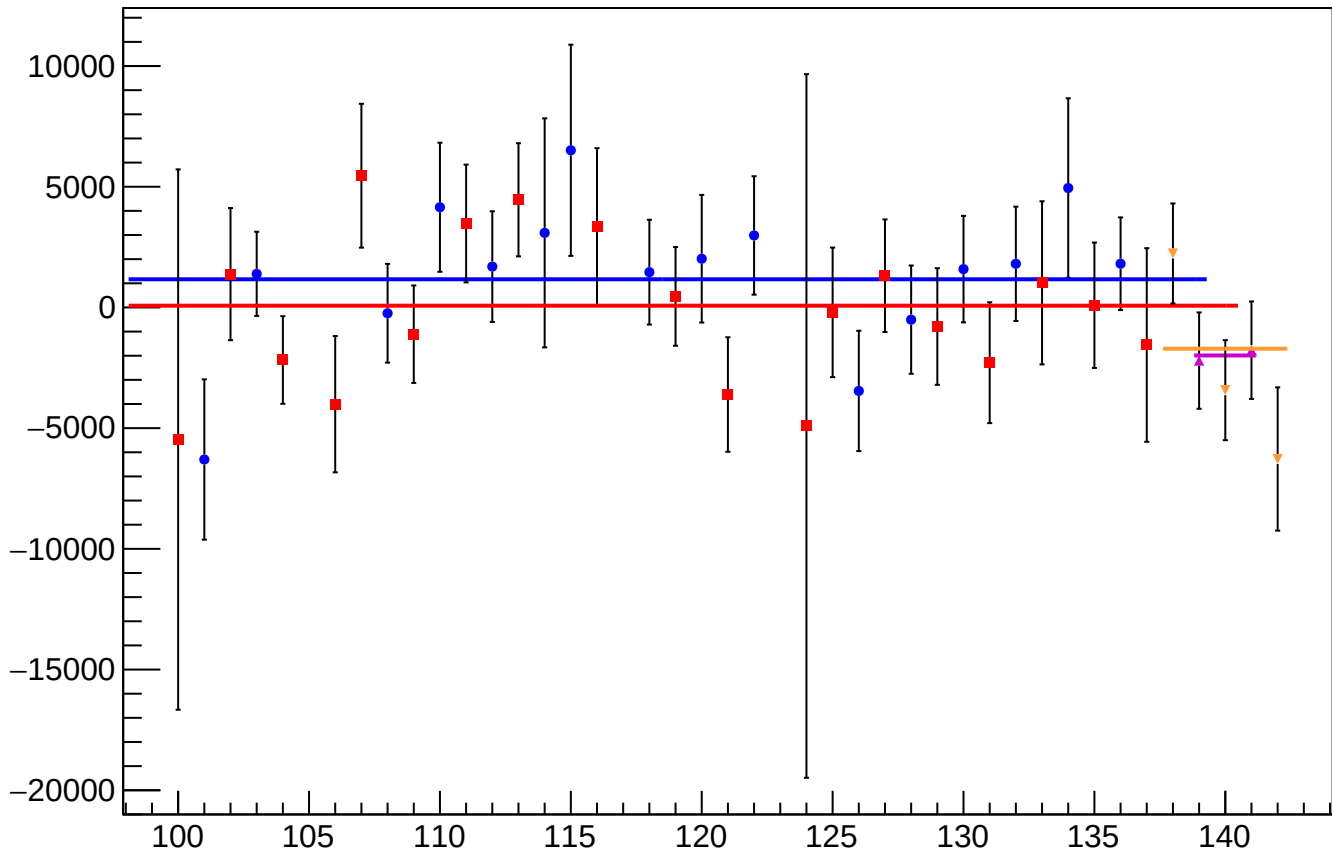
Left In: 842.299+/-0.457 χ^2/NDF : 42056.5/1

+ sign 1119.393+/-0.286 χ^2/NDF : 3078999.9/18

All: 1133.421+/-0.206 χ^2/NDF : 6041070.6/39

- sign 1148.752+/-0.299 χ^2/NDF : 2957021.0/20

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769 ± 609.171 χ^2/NDF : 14.4/15

Left Out: -1708.142 ± 1313.235 χ^2/NDF : 6.7/2

Right Out: 72.499 ± 603.362 χ^2/NDF : 18.3/18

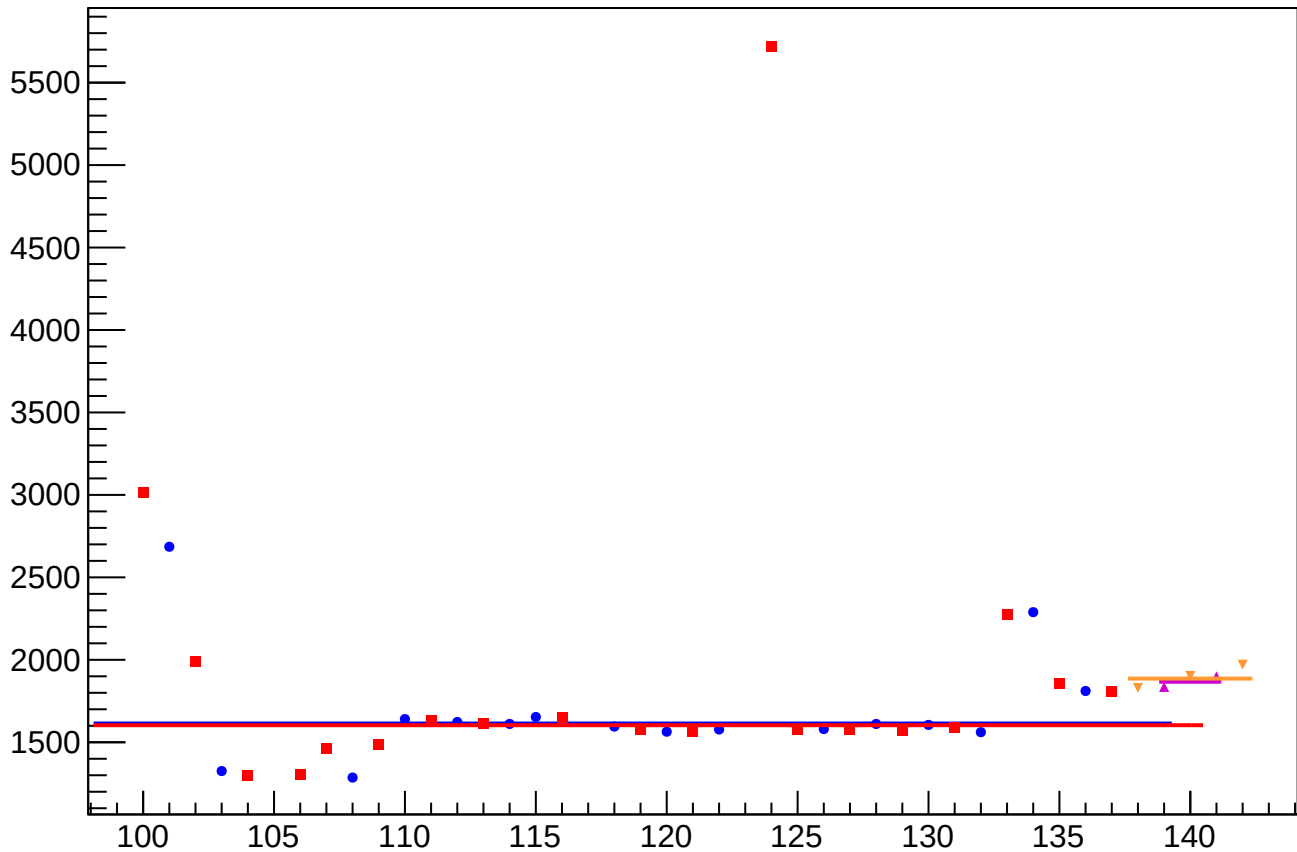
Left In: -1989.263 ± 1419.510 χ^2/NDF : 0.0/1

+ sign 657.698 ± 552.611 χ^2/NDF : 25.1/18

All: 209.523 ± 391.696 χ^2/NDF : 46.5/39

- sign -242.994 ± 555.282 χ^2/NDF : 20.1/20

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674 $\pm$ 0.431 χ^2 /NDF: 404688.8/15

Left Out: 1886.277 $\pm$ 0.929 χ^2 /NDF: 3224.7/2

+ sign 1661.945 $\pm$ 0.391 χ^2 /NDF: 478833.4/18

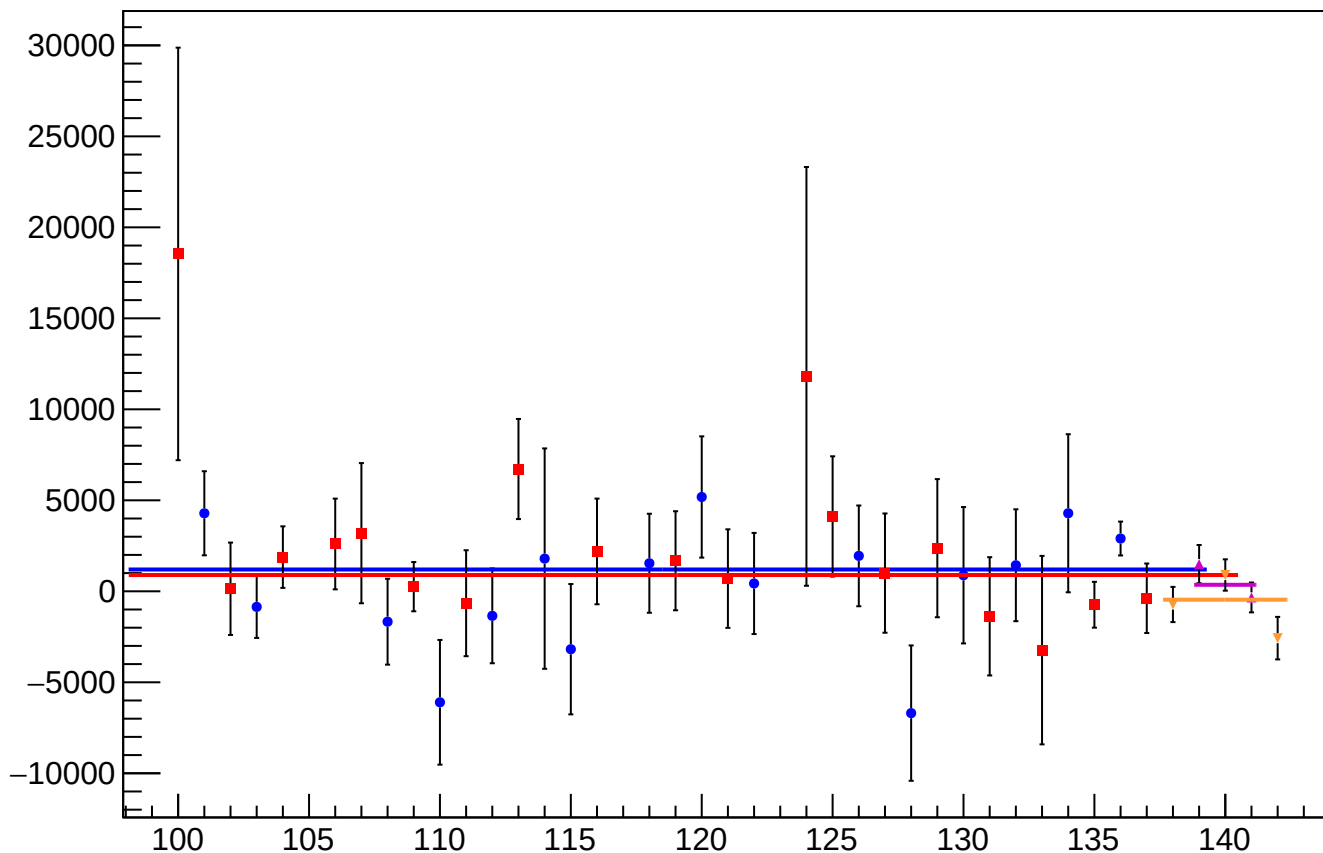
Right Out: 1603.464 $\pm$ 0.427 χ^2 /NDF: 425793.4/18

All: 1652.928 $\pm$ 0.277 χ^2 /NDF: 965191.9/39

- sign 1643.824 $\pm$ 0.393 χ^2 /NDF: 485288.3/20

Left In: 1867.217 $\pm$ 1.004 χ^2 /NDF: 1013.3/1

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338 $\pm$ 578.240 χ^2 /NDF: 21.7/15

Left Out: -461.446 $\pm$ 563.586 χ^2 /NDF: 5.8/2

Right Out: 895.463 $\pm$ 556.666 χ^2 /NDF: 14.2/18

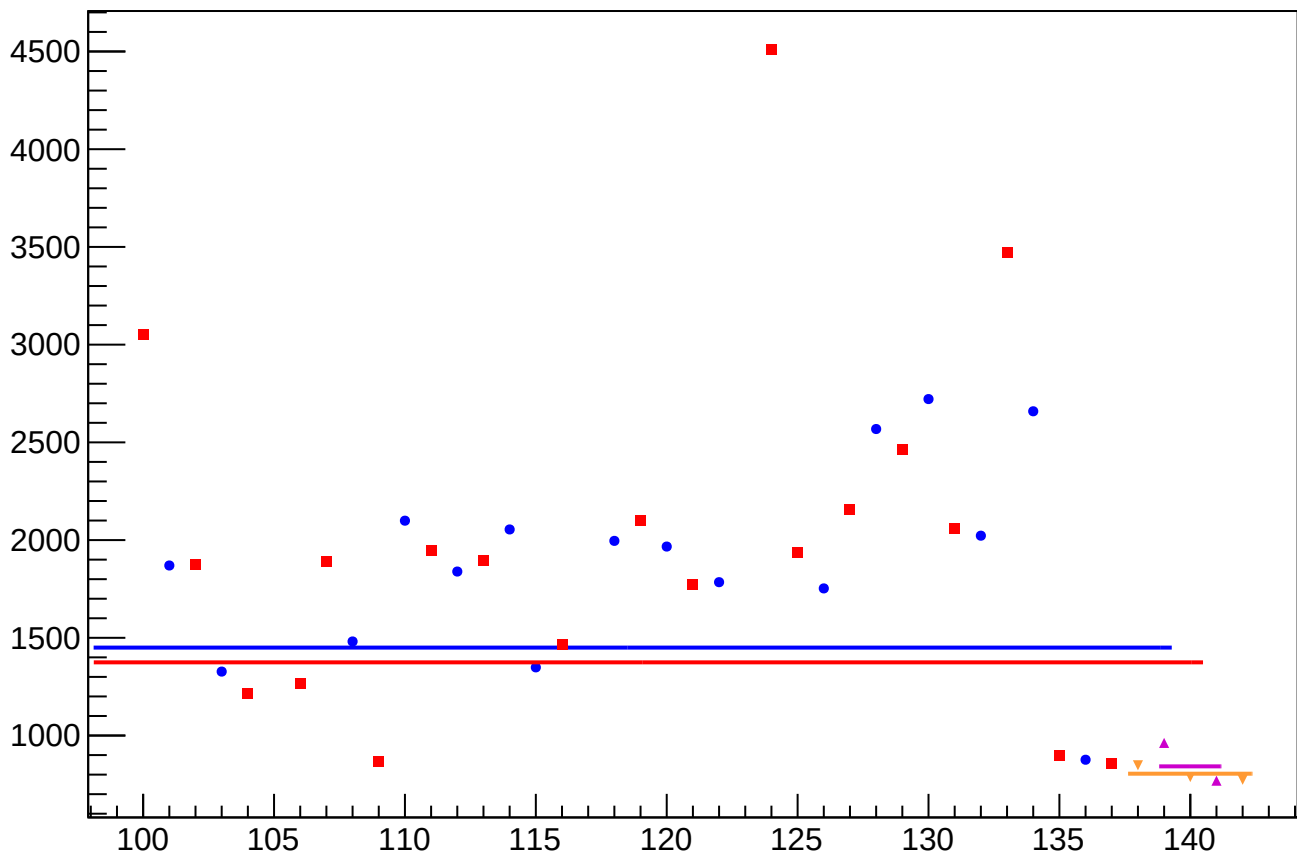
Left In: 357.550 $\pm$ 646.652 χ^2 /NDF: 1.9/1

+ sign 347.147 $\pm$ 403.597 χ^2 /NDF: 31.7/18

All: 499.758 $\pm$ 291.635 χ^2 /NDF: 48.5/39

- sign 666.509 $\pm$ 421.880 χ^2 /NDF: 16.5/20

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF : 1792673.2/15

Left Out: 804.732+/-0.399 χ^2/NDF : 6155.0/2

Right Out: 1374.438+/-0.394 χ^2/NDF : 2127695.6/18

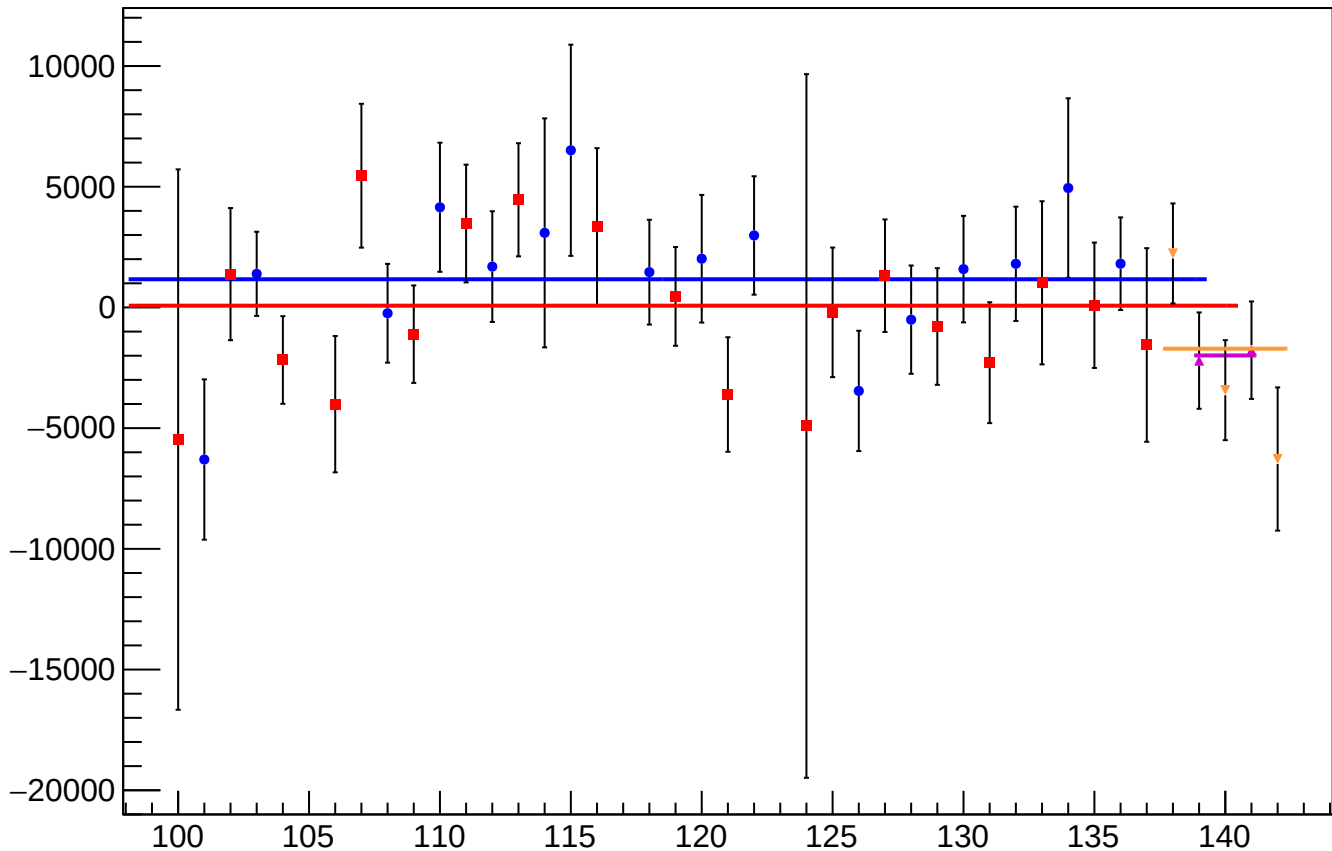
Left In: 842.278+/-0.457 χ^2/NDF : 42070.1/1

+ sign 1119.056+/-0.285 χ^2/NDF : 3075815.8/18

All: 1132.855+/-0.206 χ^2/NDF : 6028439.3/39

- sign 1147.932+/-0.298 χ^2/NDF : 2947731.0/20

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769 ± 609.171 χ^2/NDF : 14.4/15

Left Out: -1708.142 ± 1313.235 χ^2/NDF : 6.7/2

Right Out: 72.499 ± 603.362 χ^2/NDF : 18.3/18

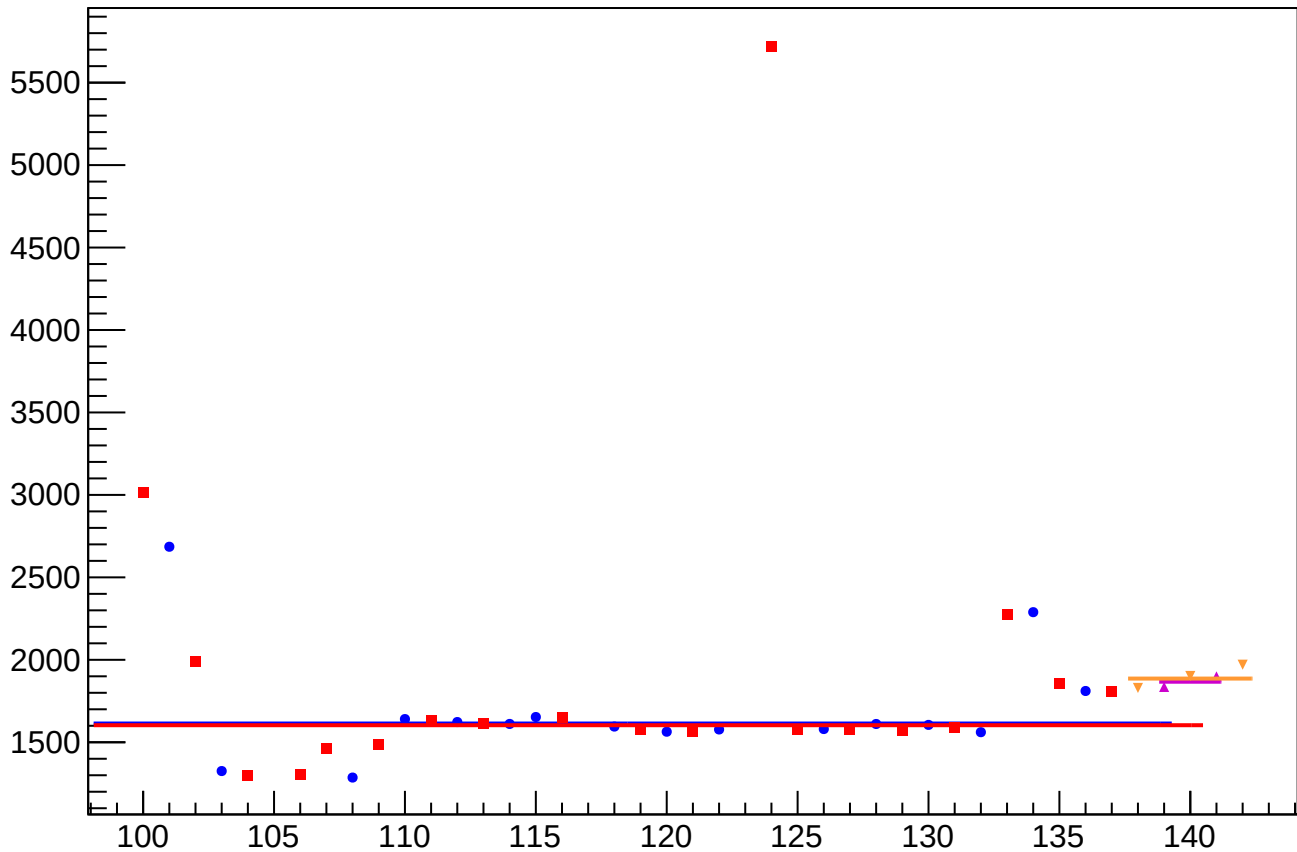
Left In: -1989.263 ± 1419.510 χ^2/NDF : 0.0/1

+ sign 657.698 ± 552.611 χ^2/NDF : 25.1/18

All: 209.523 ± 391.696 χ^2/NDF : 46.5/39

- sign -242.994 ± 555.282 χ^2/NDF : 20.1/20

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2 /NDF: 404688.8/15

Left Out: 1886.277+/-0.929 χ^2 /NDF: 3224.7/2

Right Out: 1603.464+/-0.427 χ^2 /NDF: 425793.4/18

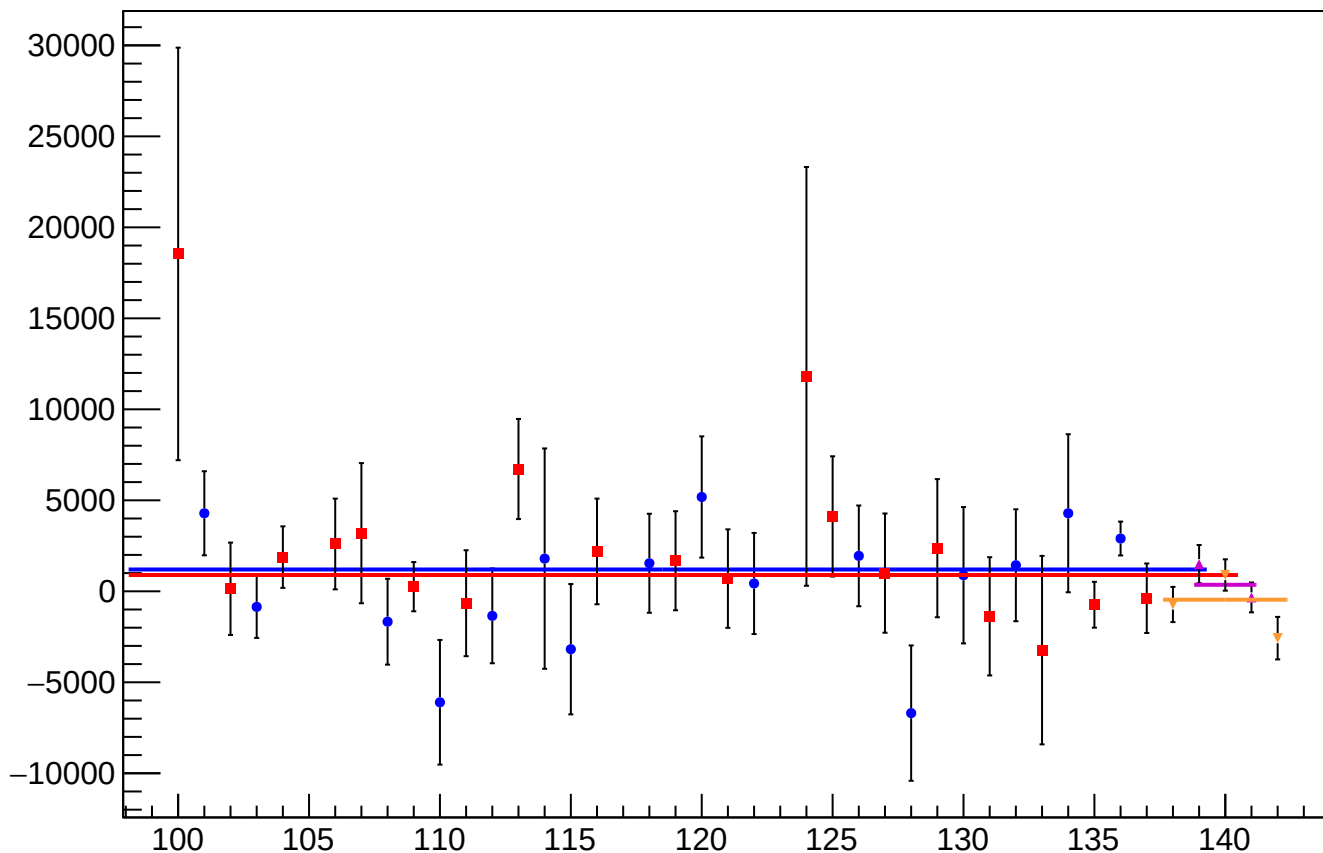
Left In: 1867.217+/-1.004 χ^2 /NDF: 1013.3/1

+ sign 1661.945+/-0.391 χ^2 /NDF: 478833.4/18

All: 1652.928+/-0.277 χ^2 /NDF: 965191.9/39

- sign 1643.824+/-0.393 χ^2 /NDF: 485288.3/20

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF : 21.7/15

Left Out: -461.446+/-563.586 χ^2/NDF : 5.8/2

Right Out: 895.463+/-556.666 χ^2/NDF : 14.2/18

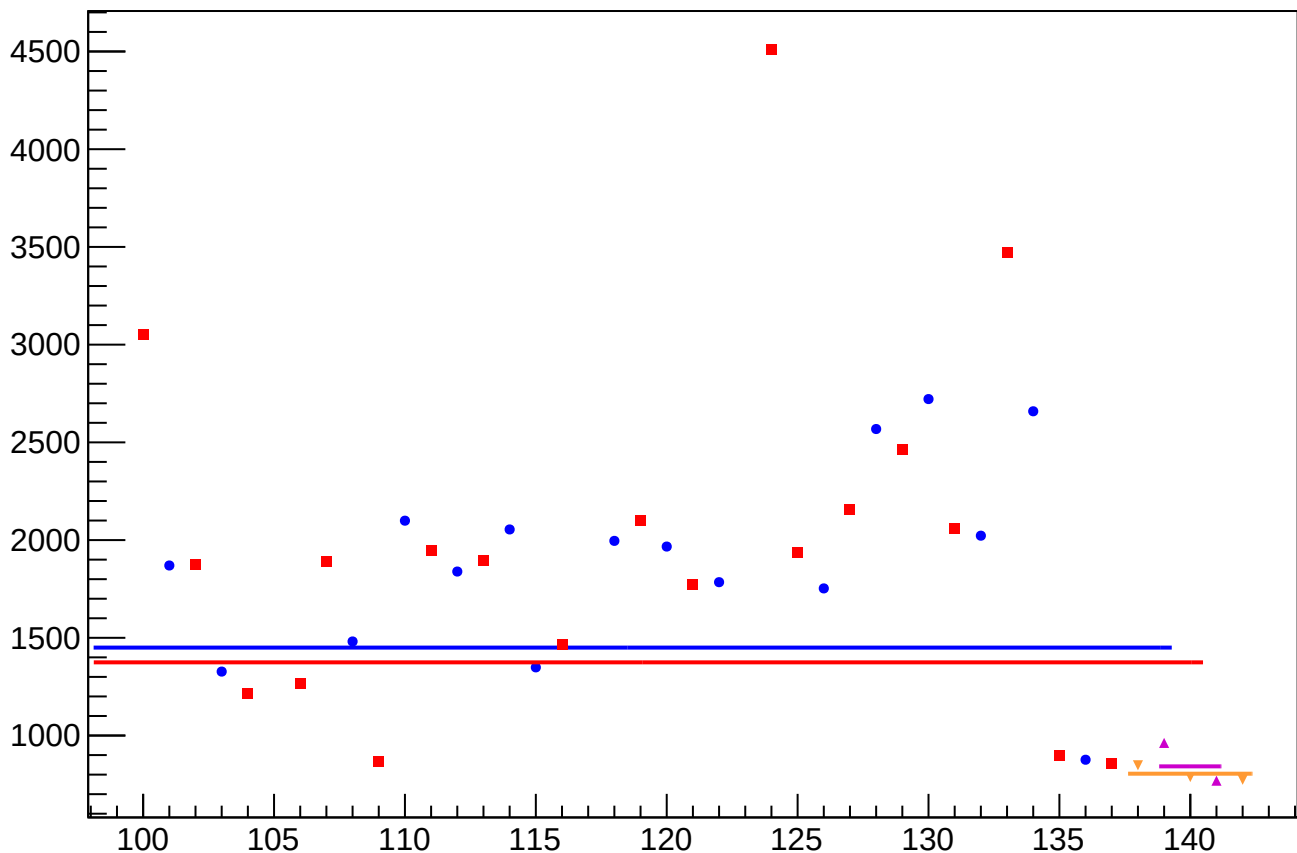
Left In: 357.550+/-646.652 χ^2/NDF : 1.9/1

+ sign 347.147+/-403.597 χ^2/NDF : 31.7/18

All: 499.758+/-291.635 χ^2/NDF : 48.5/39

- sign 666.509+/-421.880 χ^2/NDF : 16.5/20

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939 $\pm$ 0.409 χ^2 /NDF: 1792673.2/15

Left Out: 804.732 $\pm$ 0.399 χ^2 /NDF: 6155.0/2

Right Out: 1374.438 $\pm$ 0.394 χ^2 /NDF: 2127695.6/18

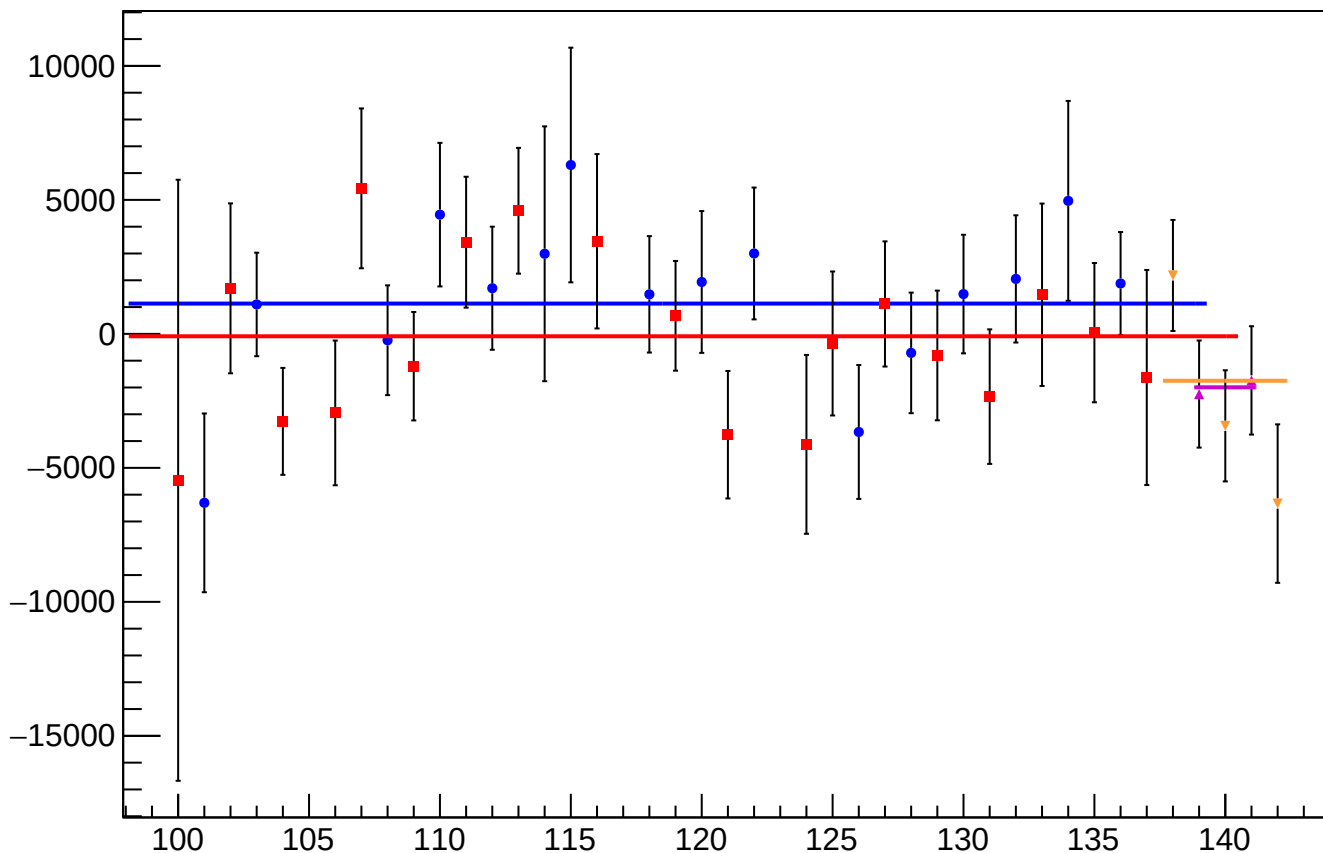
Left In: 842.278 $\pm$ 0.457 χ^2 /NDF: 42070.1/1

+ sign 1119.056 $\pm$ 0.285 χ^2 /NDF: 3075815.8/18

All: 1132.855 $\pm$ 0.206 χ^2 /NDF: 6028439.3/39

- sign 1147.932 $\pm$ 0.298 χ^2 /NDF: 2947731.0/20

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726 $\pm$ 617.236 χ^2 /NDF: 15.0/15

Left Out: -1749.187 $\pm$ 1313.303 χ^2 /NDF: 6.7/2

Right Out: -89.220 $\pm$ 603.072 χ^2 /NDF: 20.7/18

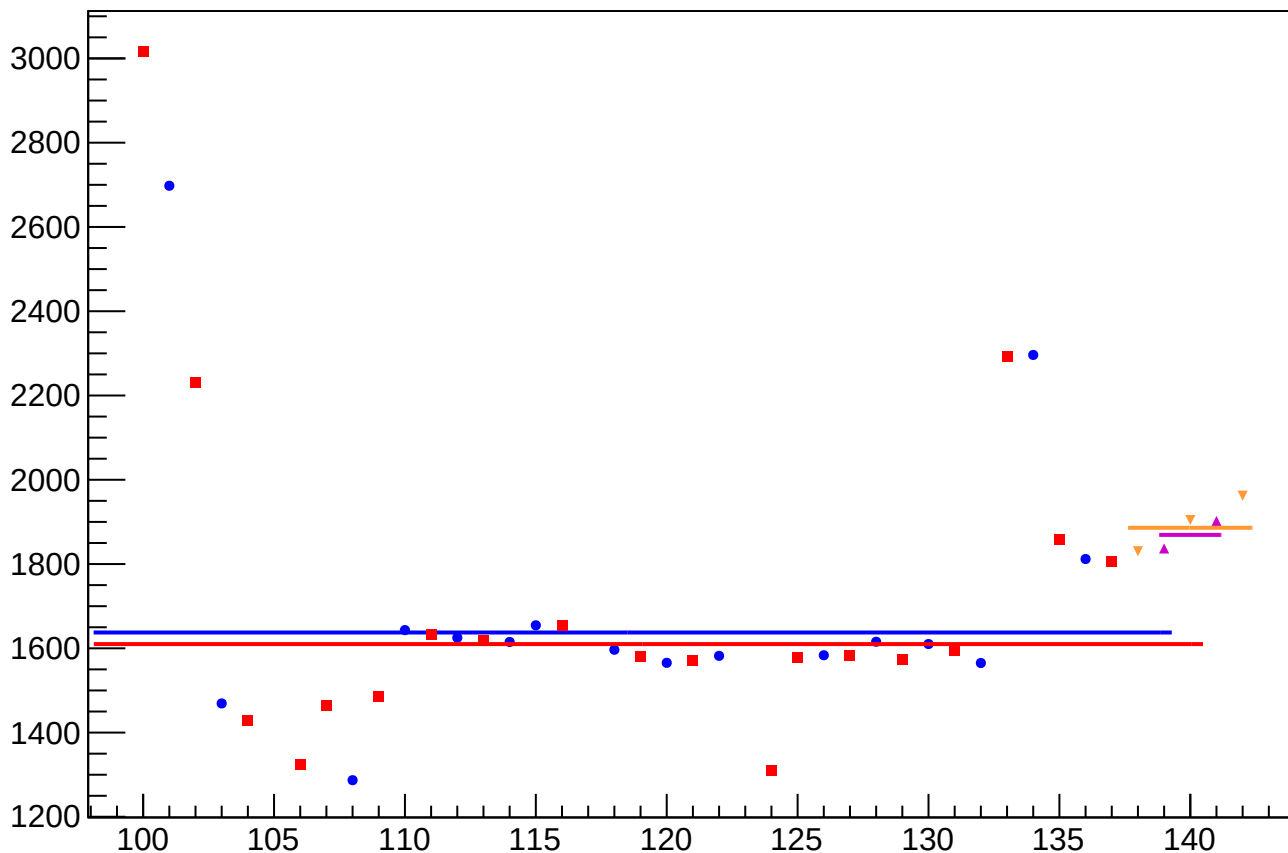
Left In: -1993.633 $\pm$ 1421.067 χ^2 /NDF: 0.0/1

+ sign 609.680 $\pm$ 558.616 χ^2 /NDF: 25.6/18

All: 111.832 $\pm$ 393.770 χ^2 /NDF: 49.4/39

- sign -379.858 $\pm$ 555.150 χ^2 /NDF: 22.2/20

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF : 361417.0/15

Left Out: 1886.087+/-0.929 χ^2/NDF : 2927.9/2

Right Out: 1610.043+/-0.426 χ^2/NDF : 280812.5/18

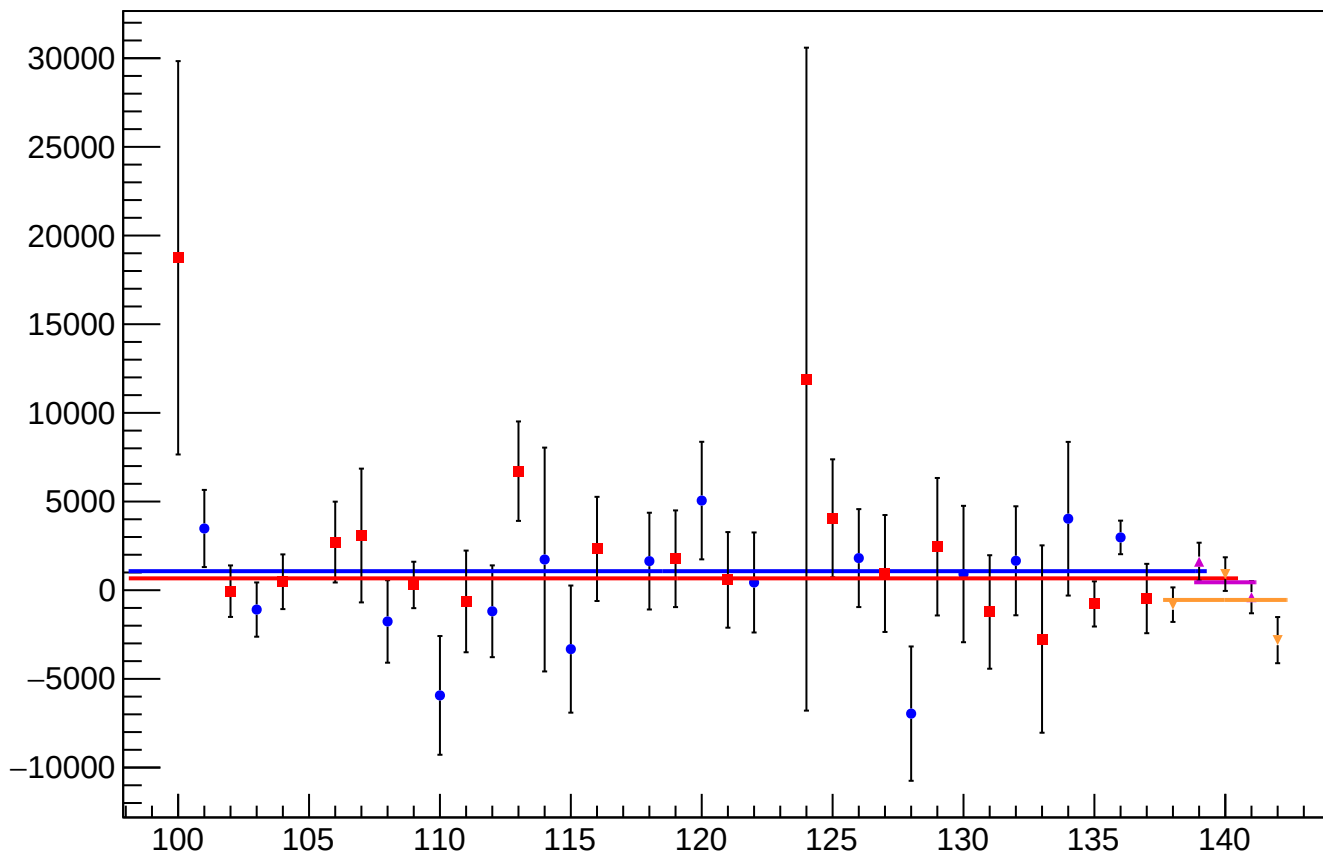
Left In: 1869.215+/-1.005 χ^2/NDF : 1053.4/1

+ sign 1682.536+/-0.395 χ^2/NDF : 423002.3/18

All: 1665.963+/-0.278 χ^2/NDF : 764738.5/39

- sign 1649.596+/-0.393 χ^2/NDF : 338237.4/20

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF : 22.0/15

Left Out: -548.407+/-602.180 χ^2/NDF : 5.5/2

Right Out: 667.777+/-523.477 χ^2/NDF : 13.6/18

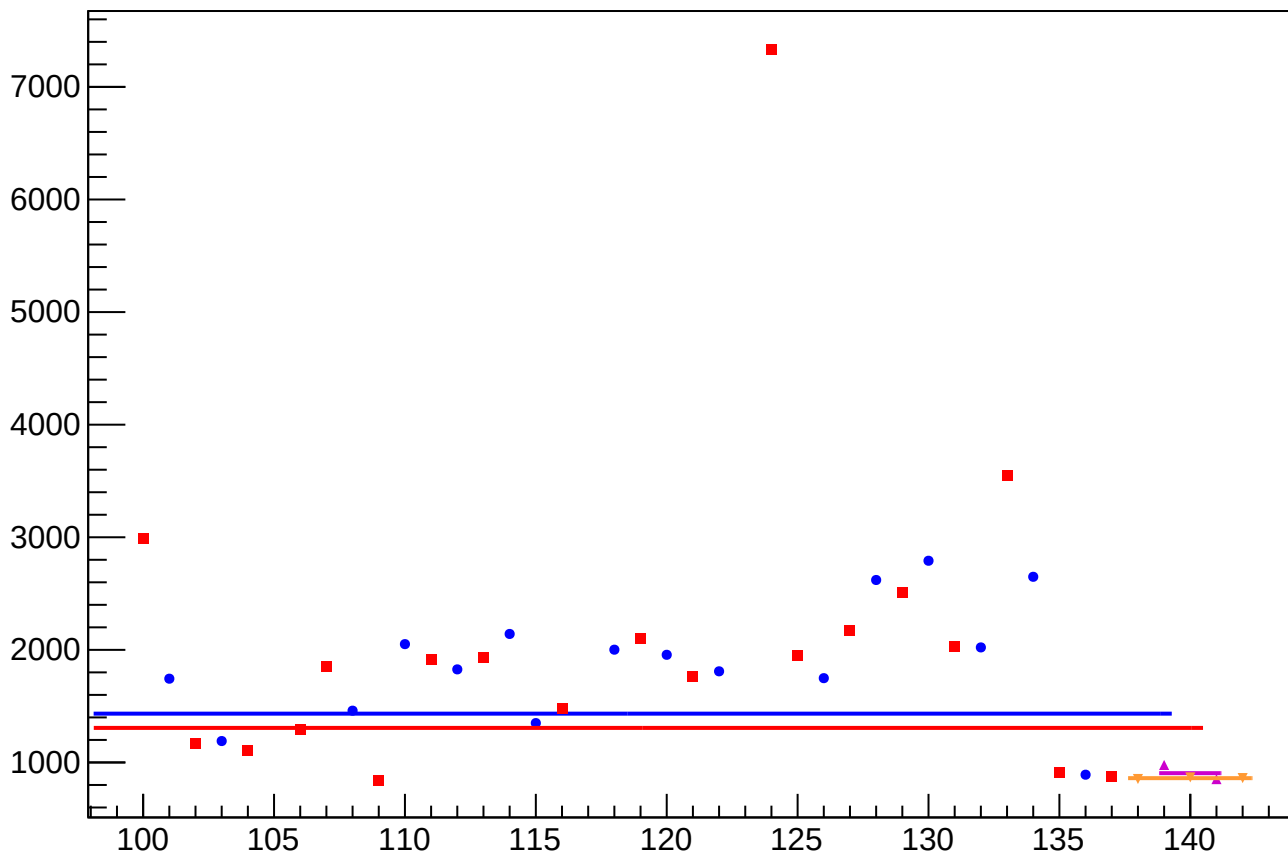
Left In: 446.607+/-692.595 χ^2/NDF : 2.0/1

+ sign 304.813+/-414.575 χ^2/NDF : 31.3/18

All: 445.059+/-294.217 χ^2/NDF : 47.2/39

- sign 587.367+/-417.612 χ^2/NDF : 15.7/20

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF : 1763491.8/15

Left Out: 860.546+/-0.426 χ^2/NDF : 225.2/2

Right Out: 1306.866+/-0.370 χ^2/NDF : 2183906.3/18

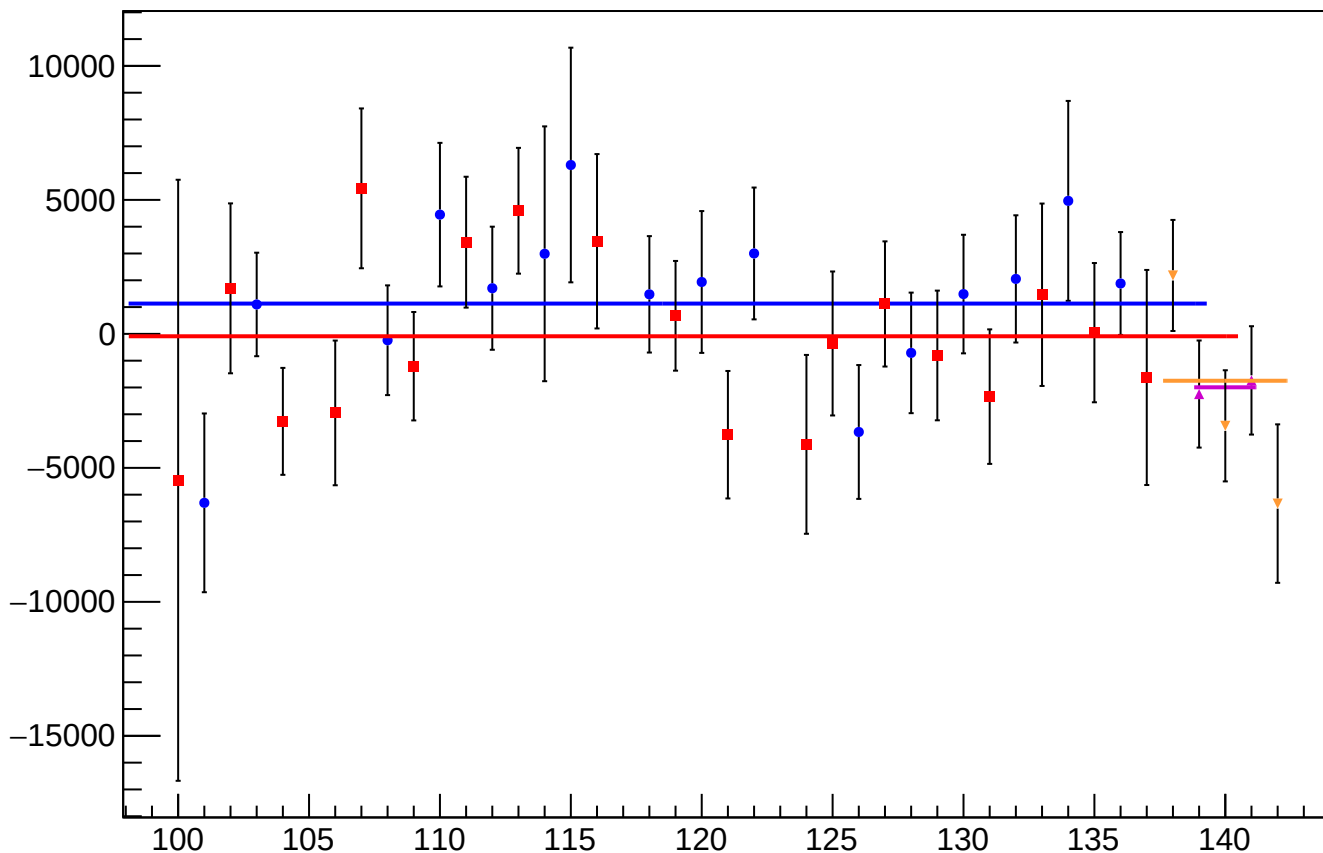
Left In: 904.854+/-0.490 χ^2/NDF : 16068.2/1

+ sign 1161.923+/-0.293 χ^2/NDF : 2716051.9/18

All: 1161.320+/-0.208 χ^2/NDF : 5344881.4/39

- sign 1160.707+/-0.295 χ^2/NDF : 2628820.9/20

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728 $\pm$ 617.236 χ^2 /NDF: 15.0/15

Left Out: -1749.197 $\pm$ 1313.304 χ^2 /NDF: 6.7/2

Right Out: -89.225 $\pm$ 603.072 χ^2 /NDF: 20.7/18

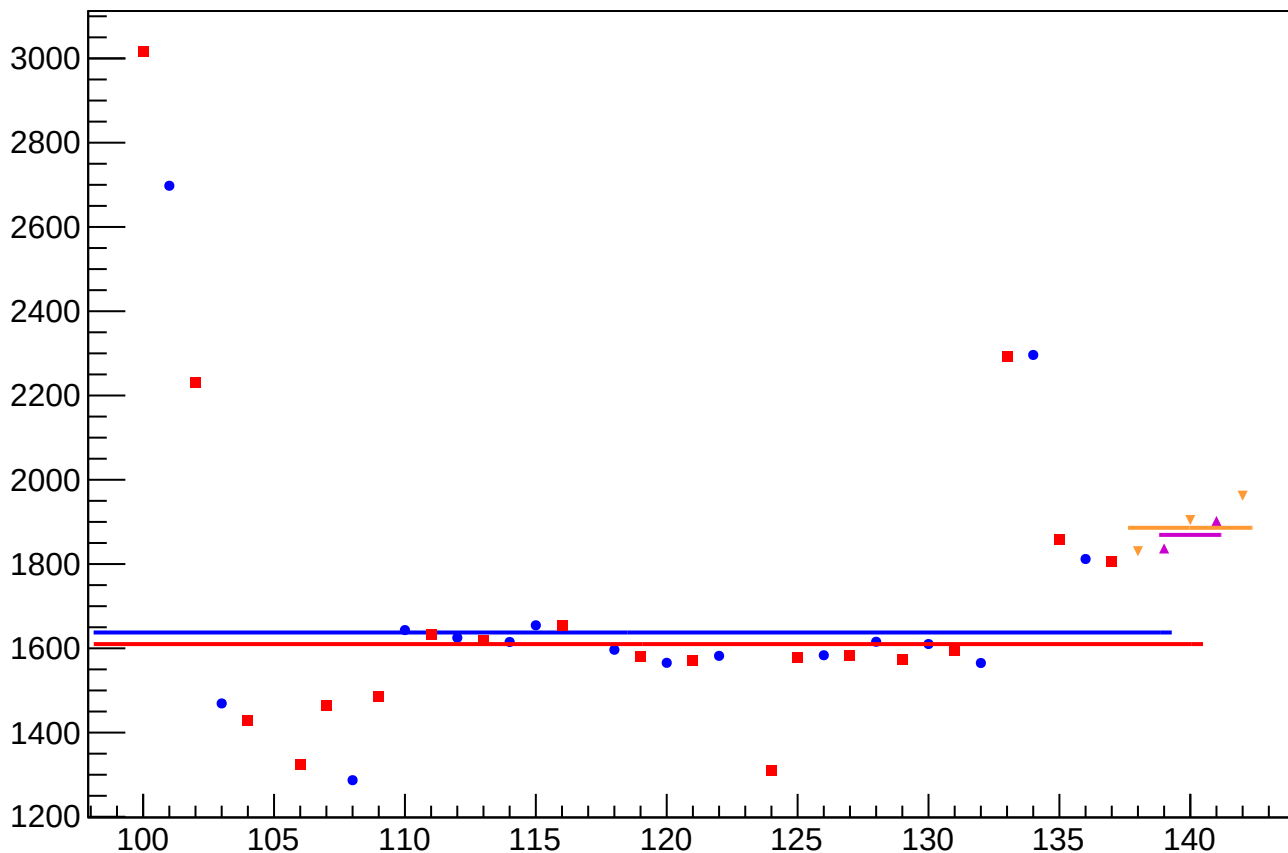
Left In: -1993.615 $\pm$ 1421.067 χ^2 /NDF: 0.0/1

+ sign 609.680 $\pm$ 558.616 χ^2 /NDF: 25.6/18

All: 111.831 $\pm$ 393.770 χ^2 /NDF: 49.4/39

- sign -379.860 $\pm$ 555.150 χ^2 /NDF: 22.2/20

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF : 361416.8/15

Left Out: 1886.087+/-0.929 χ^2/NDF : 2927.9/2

Right Out: 1610.043+/-0.426 χ^2/NDF : 280812.7/18

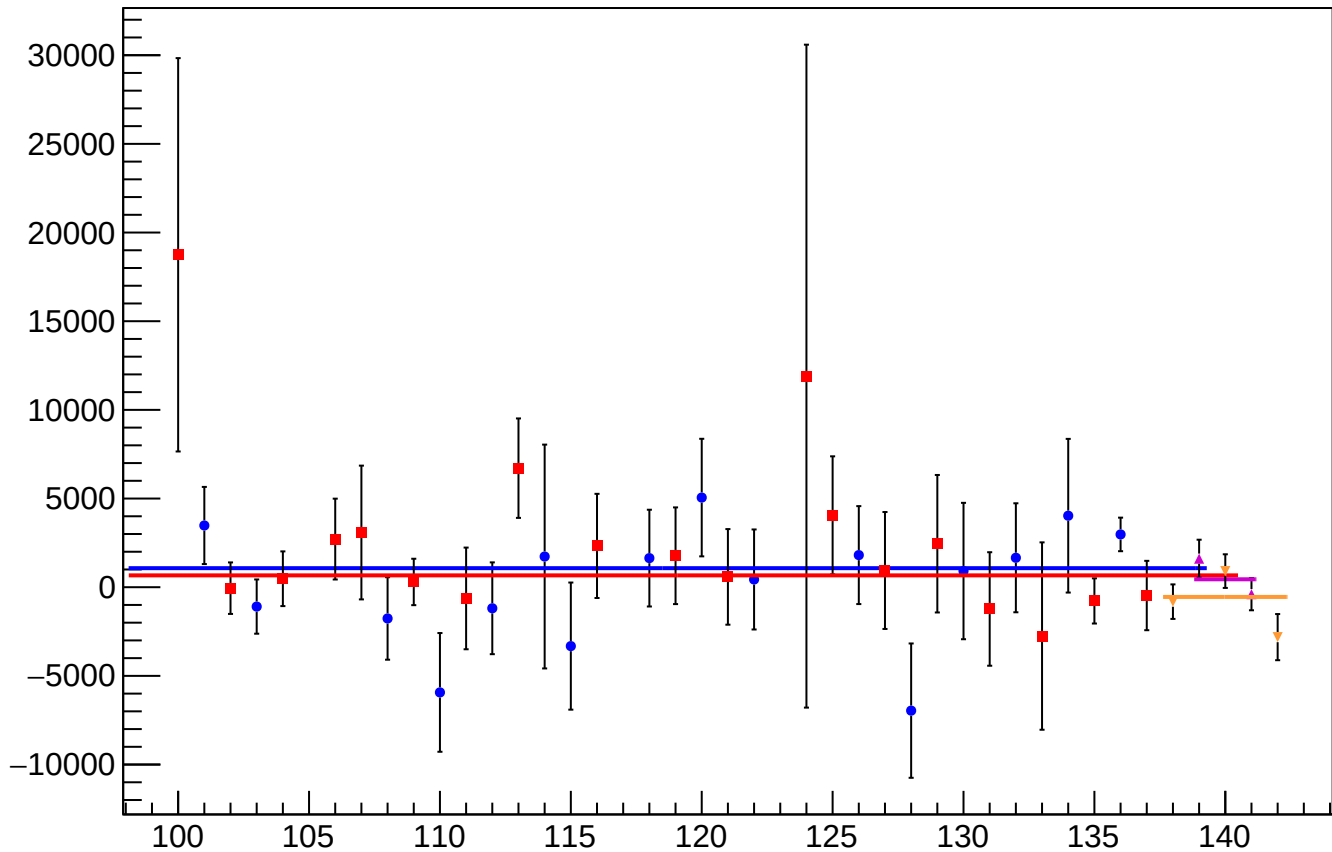
Left In: 1869.216+/-1.005 χ^2/NDF : 1053.4/1

+ sign 1682.536+/-0.395 χ^2/NDF : 423002.3/18

All: 1665.963+/-0.278 χ^2/NDF : 764738.8/39

- sign 1649.596+/-0.393 χ^2/NDF : 338237.8/20

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF : 22.0/15

Left Out: -548.415+/-602.190 χ^2/NDF : 5.5/2

Right Out: 667.789+/-523.481 χ^2/NDF : 13.6/18

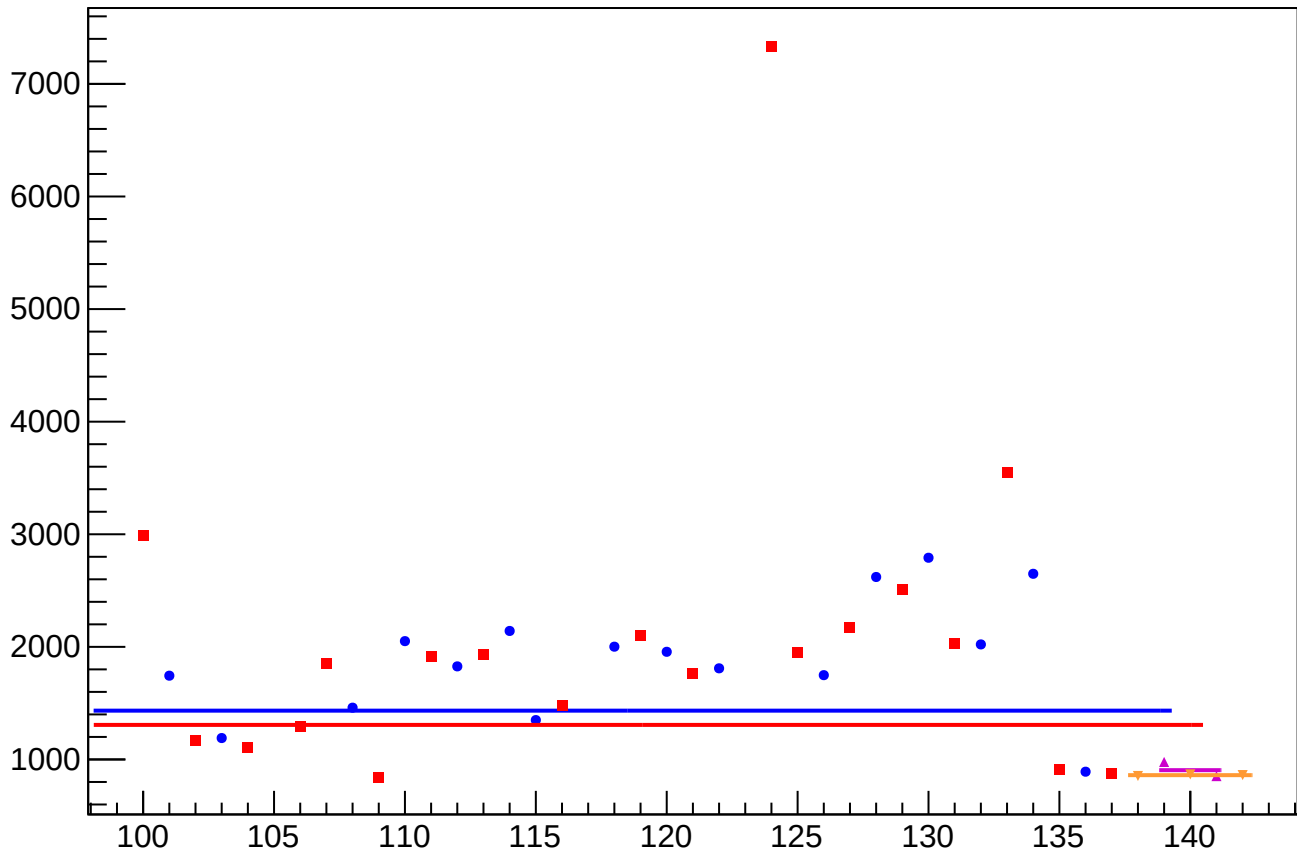
Left In: 446.604+/-692.606 χ^2/NDF : 2.0/1

+ sign 304.811+/-414.580 χ^2/NDF : 31.3/18

All: 445.061+/-294.220 χ^2/NDF : 47.2/39

- sign 587.374+/-417.616 χ^2/NDF : 15.7/20

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492 $\pm$ 0.404 χ^2/NDF : 1763397.4/15

Left Out: 860.560 $\pm$ 0.426 χ^2/NDF : 224.6/2

+ sign 1161.941 $\pm$ 0.293 χ^2/NDF : 2715937.7/18

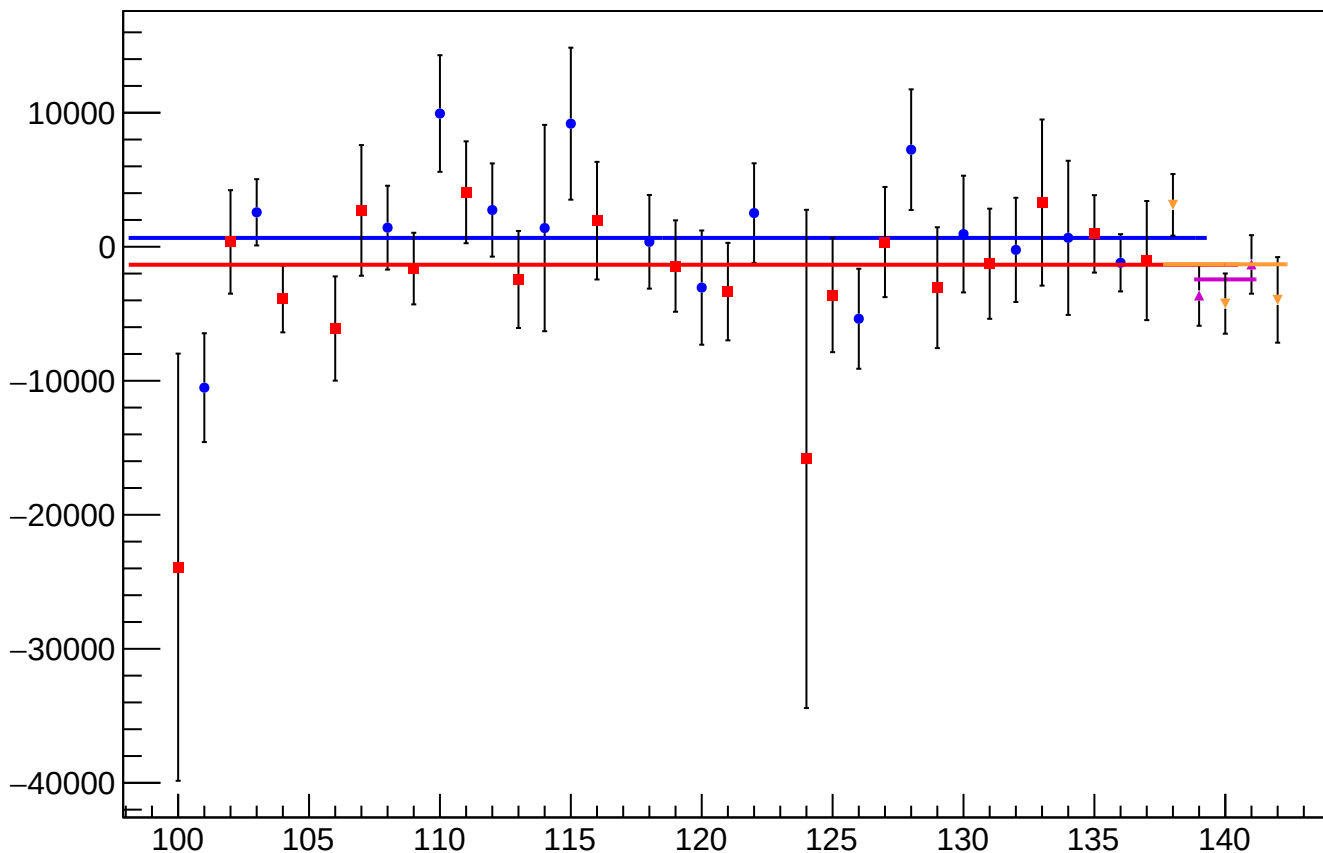
Right Out: 1306.880 $\pm$ 0.370 χ^2/NDF : 2183835.0/18

All: 1161.336 $\pm$ 0.208 χ^2/NDF : 5344687.2/39

- sign 1160.722 $\pm$ 0.295 χ^2/NDF : 2628741.0/20

Left In: 904.868 $\pm$ 0.490 χ^2/NDF : 16072.8/1

asym_at2_dd_mean vs Slug



Right In: 659.458 $\pm$ 909.570 χ^2 /NDF: 22.0/15

Left Out: -1309.209 $\pm$ 1435.451 χ^2 /NDF: 6.1/2

Right Out: -1341.998 $\pm$ 890.576 χ^2 /NDF: 10.8/18

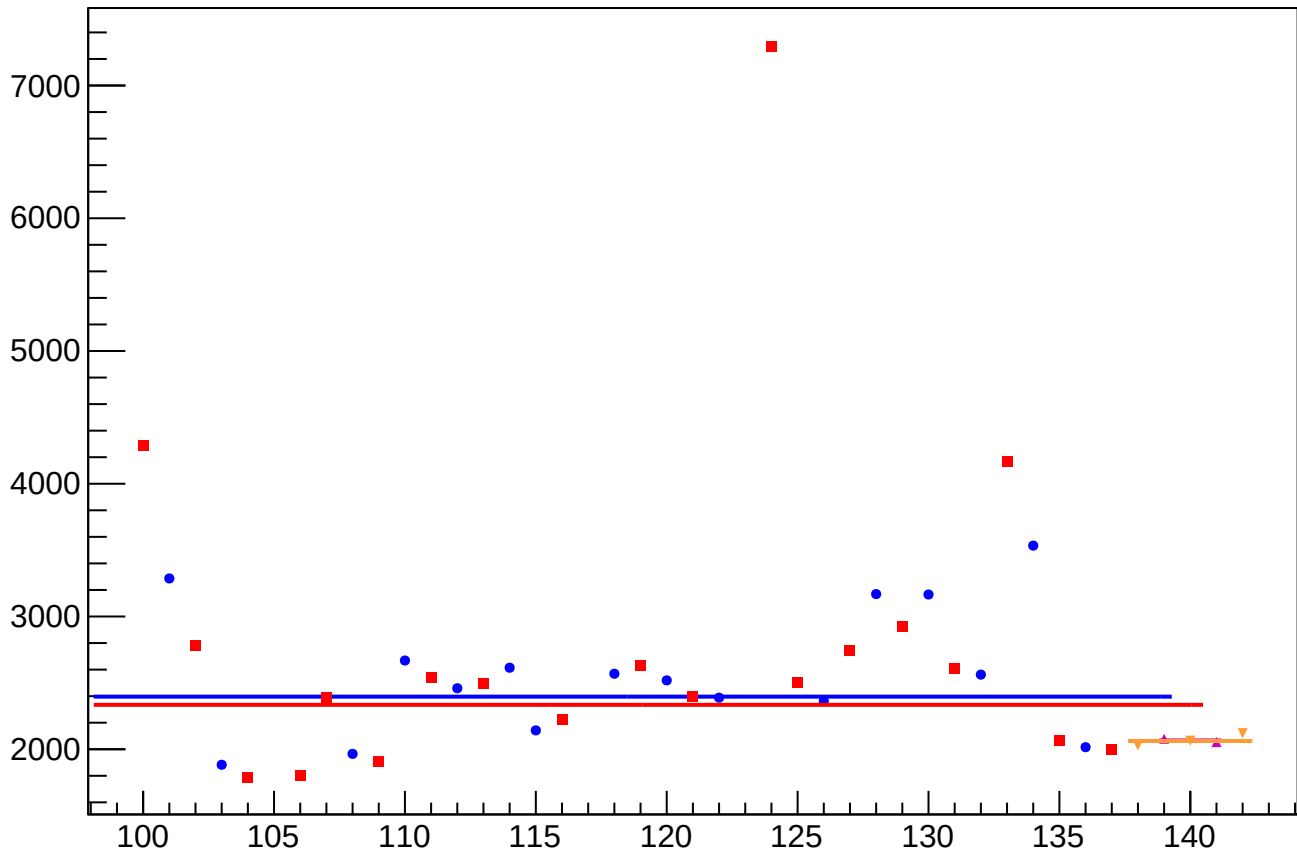
Left In: -2436.071 $\pm$ 1570.997 χ^2 /NDF: 0.5/1

+ sign 95.467 $\pm$ 768.313 χ^2 /NDF: 29.4/18

All: -749.202 $\pm$ 545.540 χ^2 /NDF: 43.6/39

- sign -1608.080 $\pm$ 774.748 χ^2 /NDF: 11.7/20

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF : 507897.2/15

Left Out: 2062.153+/-1.015 χ^2/NDF :1079.7/2

Right Out: 2334.592+/-0.630 χ^2/NDF : 681568.6/18

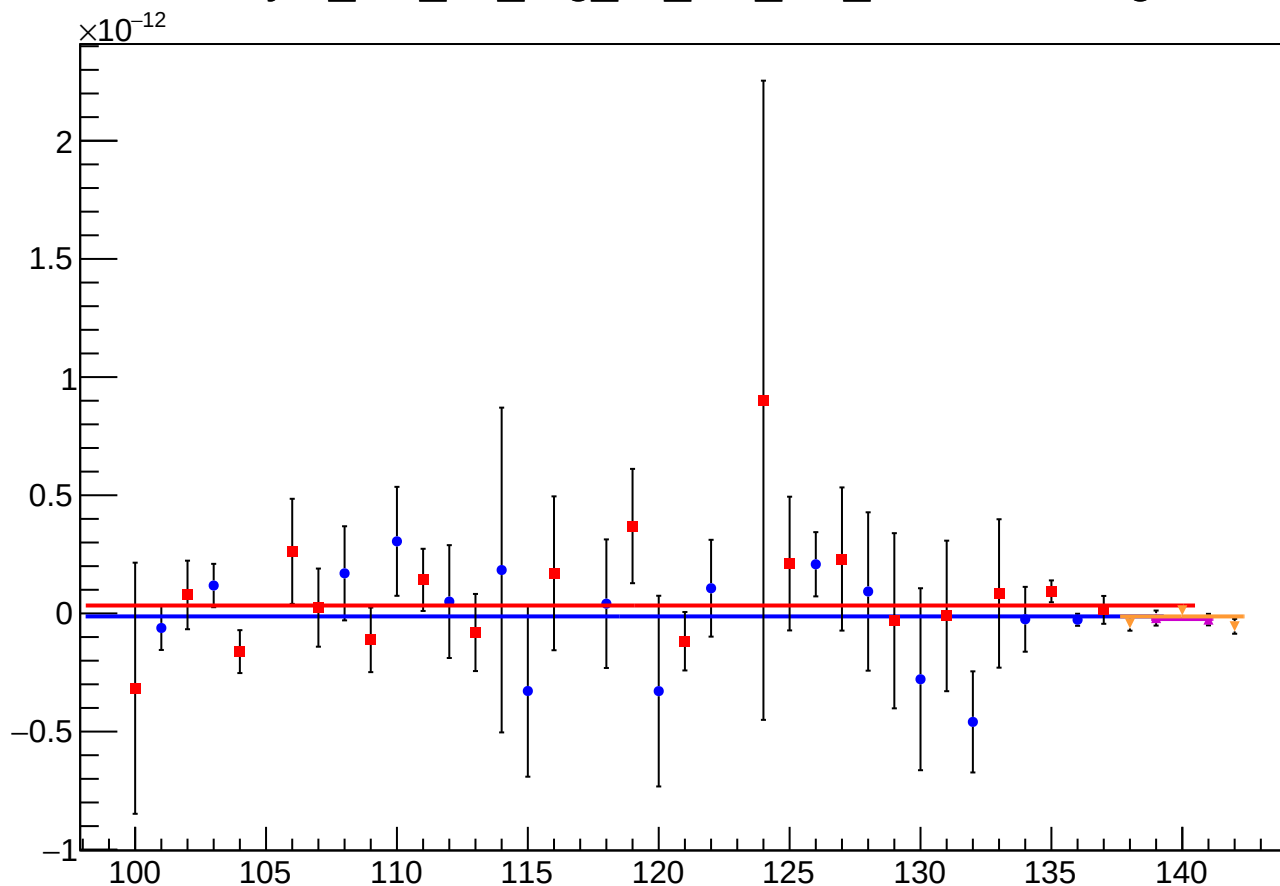
Left In: 2066.470+/-1.111 χ^2/NDF :125.3/1

+ sign 2300.555+/-0.543 χ^2/NDF : 586293.1/18

All: 2285.100+/-0.386 χ^2/NDF : 1313707.8/39

- sign 2269.385+/-0.548 χ^2/NDF : 725782.5/20

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 : 4.5/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.2/18

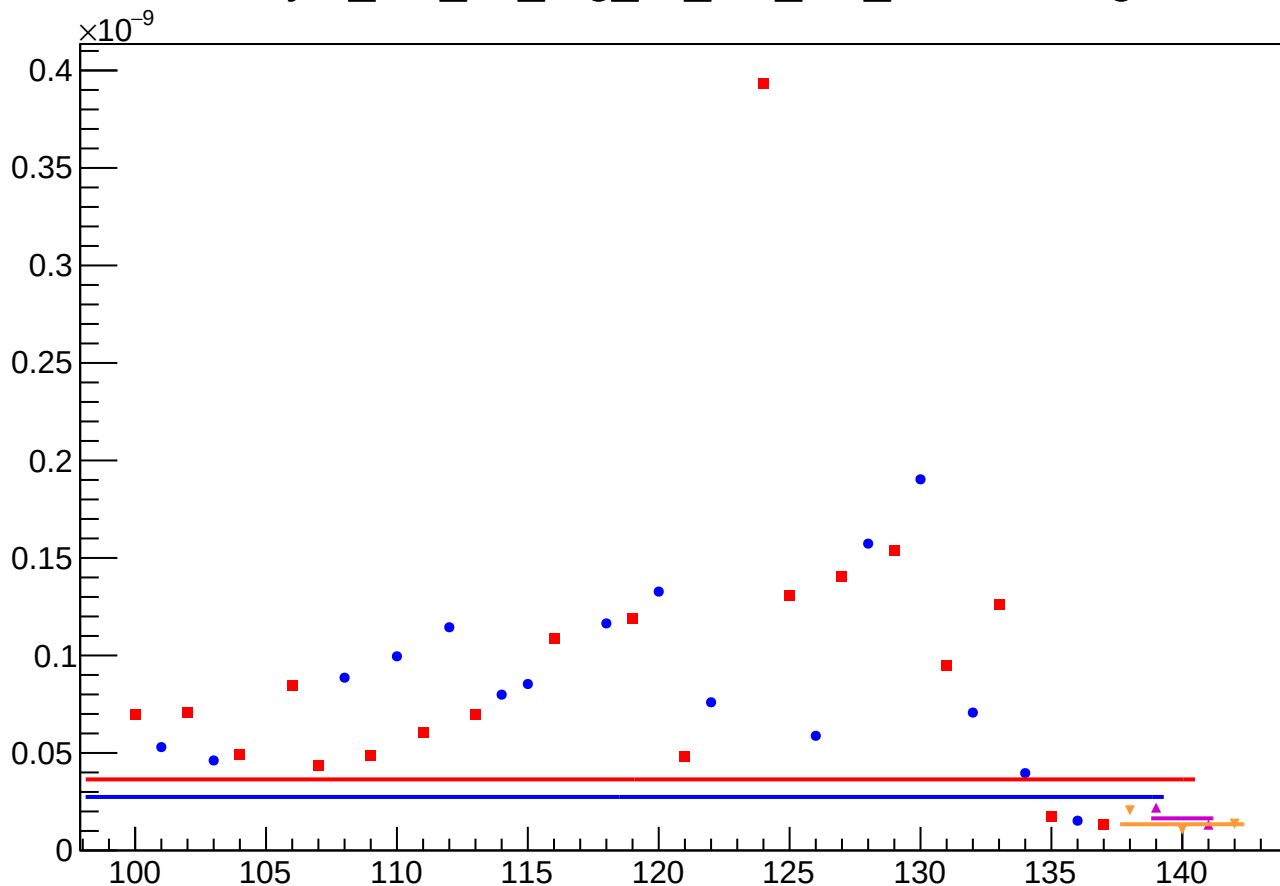
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 19.4/18

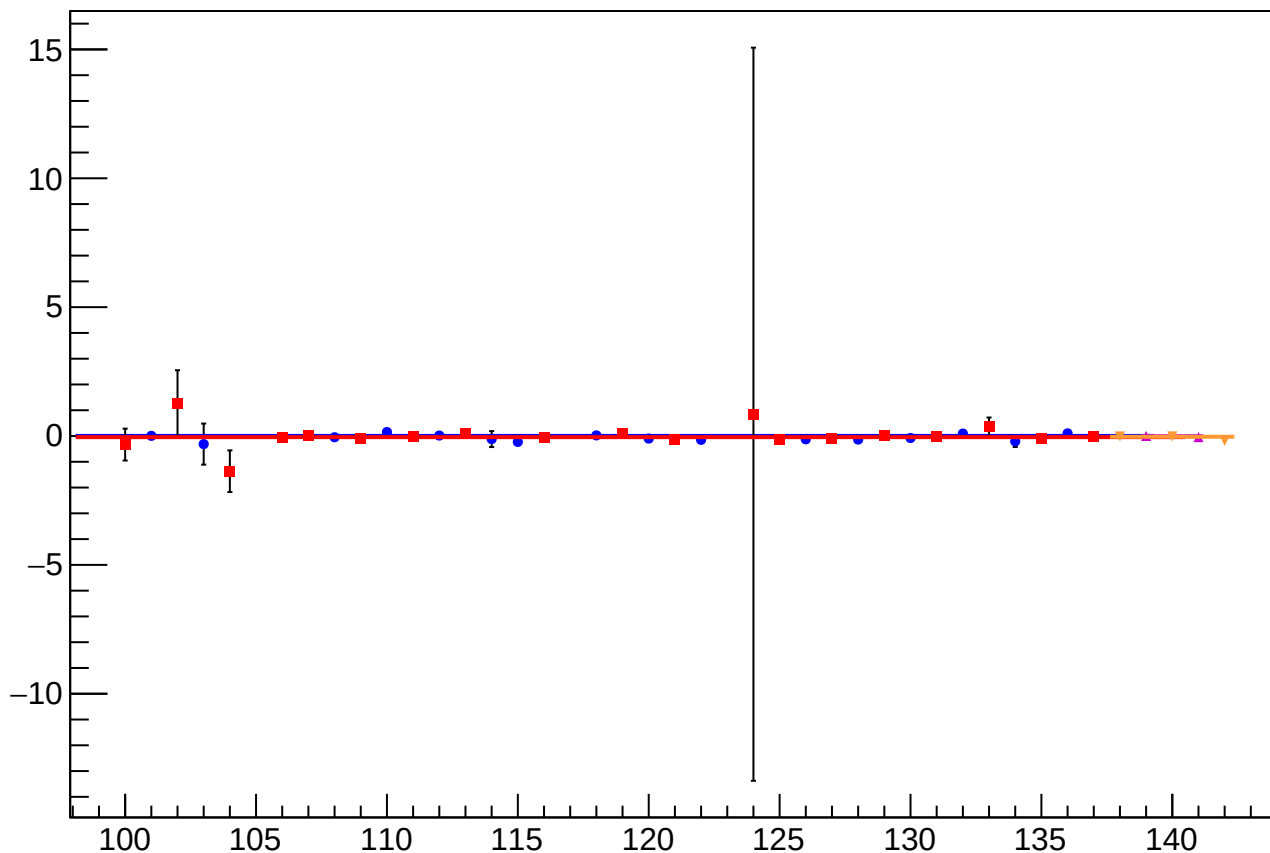
All: -0.000 ± 0.000 χ^2/NDF : 37.6/39

- sign -0.000 ± 0.000 χ^2/NDF : 18.1/20

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.027 χ^2/NDF : 13.3/15

Left Out: -0.029 ± 0.038 χ^2/NDF : 1.3/2

Right Out: -0.044 ± 0.025 χ^2/NDF : 12.7/18

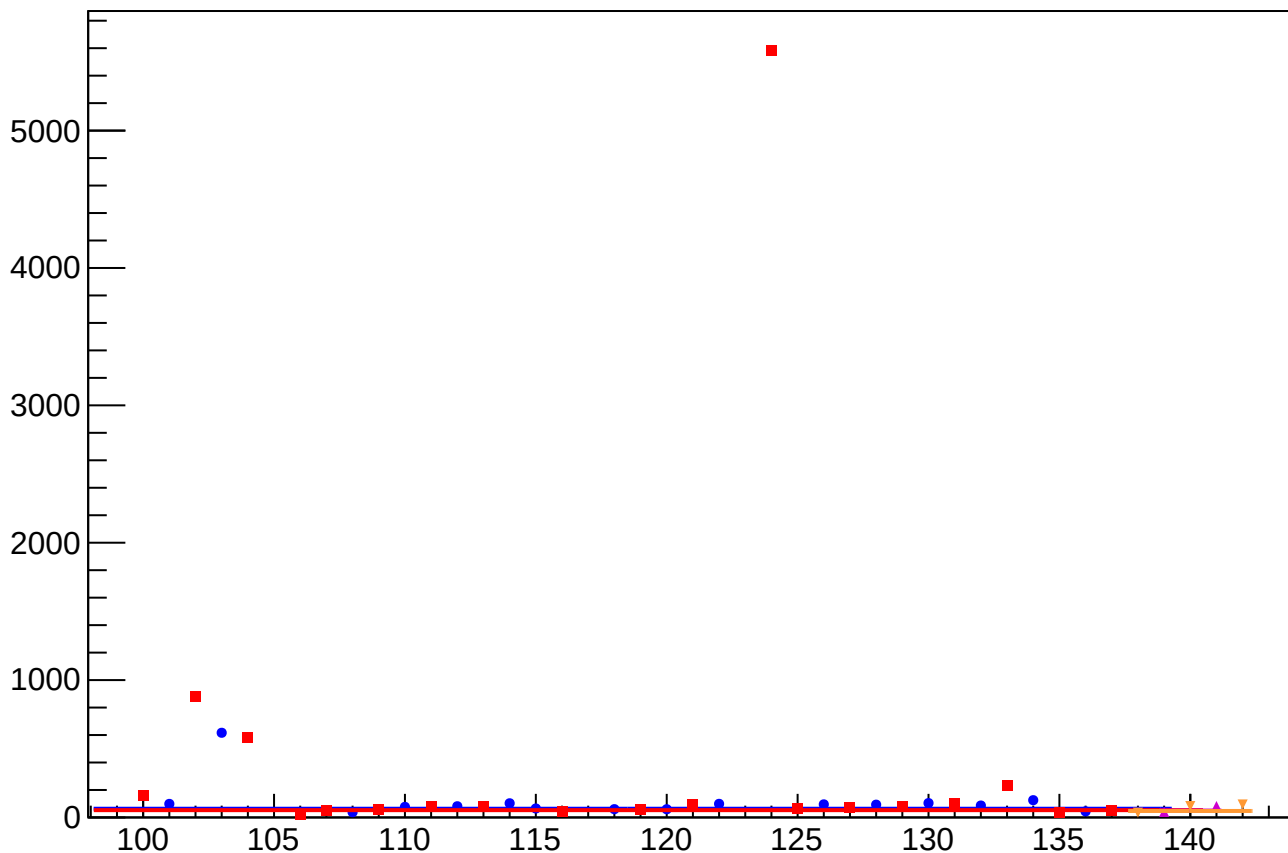
Left In: -0.008 ± 0.044 χ^2/NDF : 0.2/1

+ sign -0.007 ± 0.022 χ^2/NDF : 15.0/18

All: -0.022 ± 0.015 χ^2/NDF : 29.2/39

- sign -0.035 ± 0.022 χ^2/NDF : 13.4/20

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF : 2445255.1/15

Left Out: 47.222+/-0.027 χ^2/NDF : 656098.1/2

Right Out: 53.206+/-0.018 χ^2/NDF : 3945779.6/18

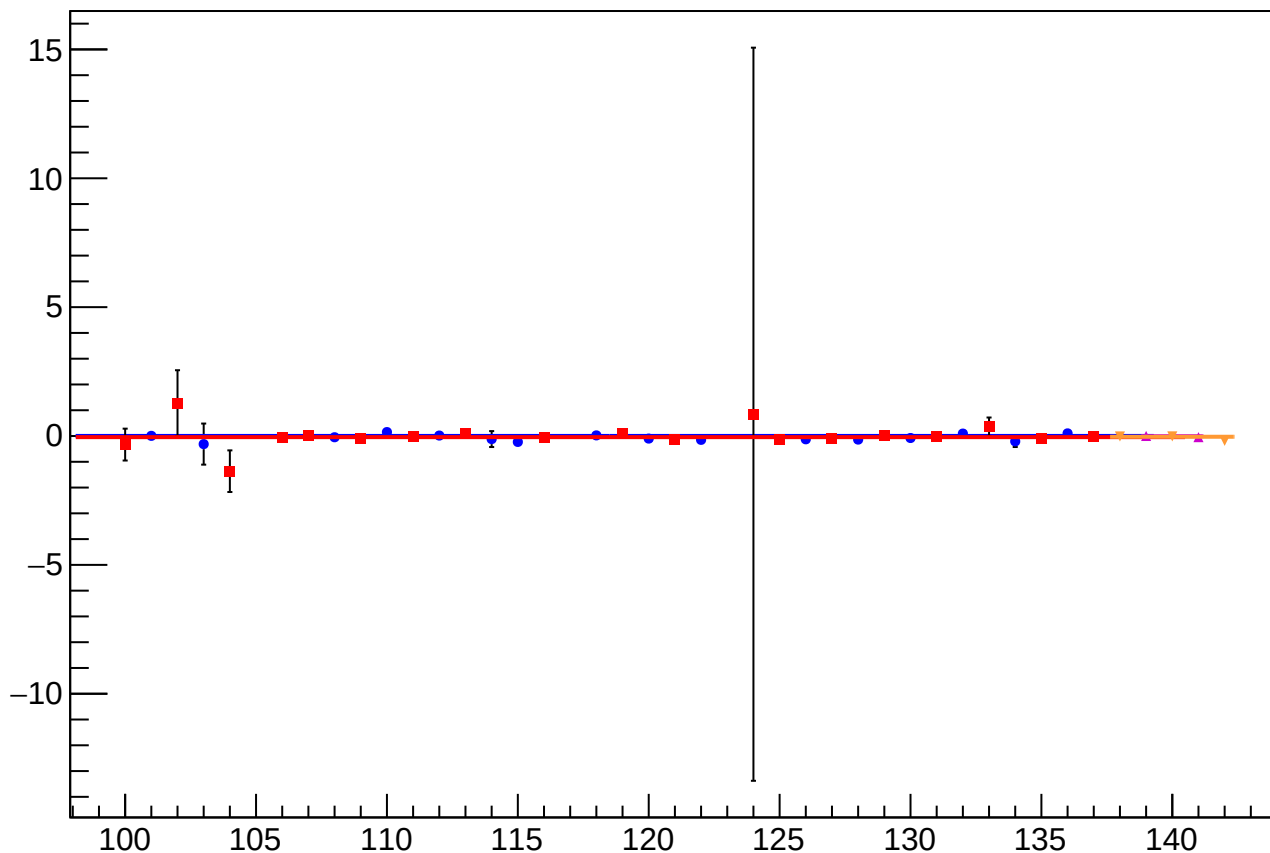
Left In: 50.119+/-0.031 χ^2/NDF : 327935.7/1

+ sign 58.028+/-0.016 χ^2/NDF : 3339219.2/18

All: 55.157+/-0.011 χ^2/NDF : 7685504.2/39

- sign 52.448+/-0.015 χ^2/NDF : 4281306.3/20

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: -0.029 ± 0.038 χ^2/NDF : 1.3/2

Right Out: -0.044 ± 0.025 χ^2/NDF : 12.7/18

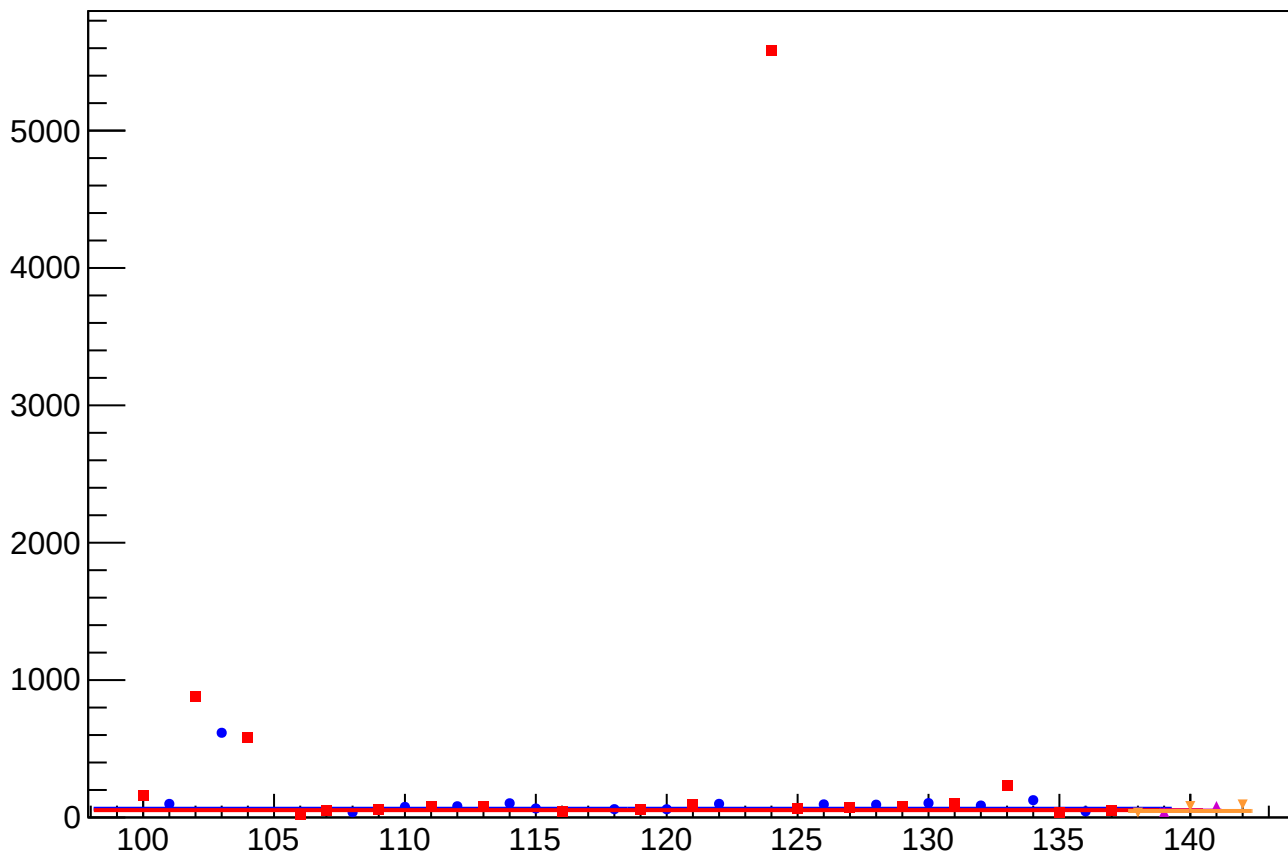
Left In: -0.008 ± 0.044 χ^2/NDF : 0.2/1

+ sign -0.007 ± 0.022 χ^2/NDF : 15.0/18

All: -0.022 ± 0.015 χ^2/NDF : 29.2/39

- sign -0.035 ± 0.022 χ^2/NDF : 13.4/20

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: 47.222+/-0.027 χ^2/NDF : 656098.1/2

Right Out: 53.206+/-0.018 χ^2/NDF : 3945779.6/18

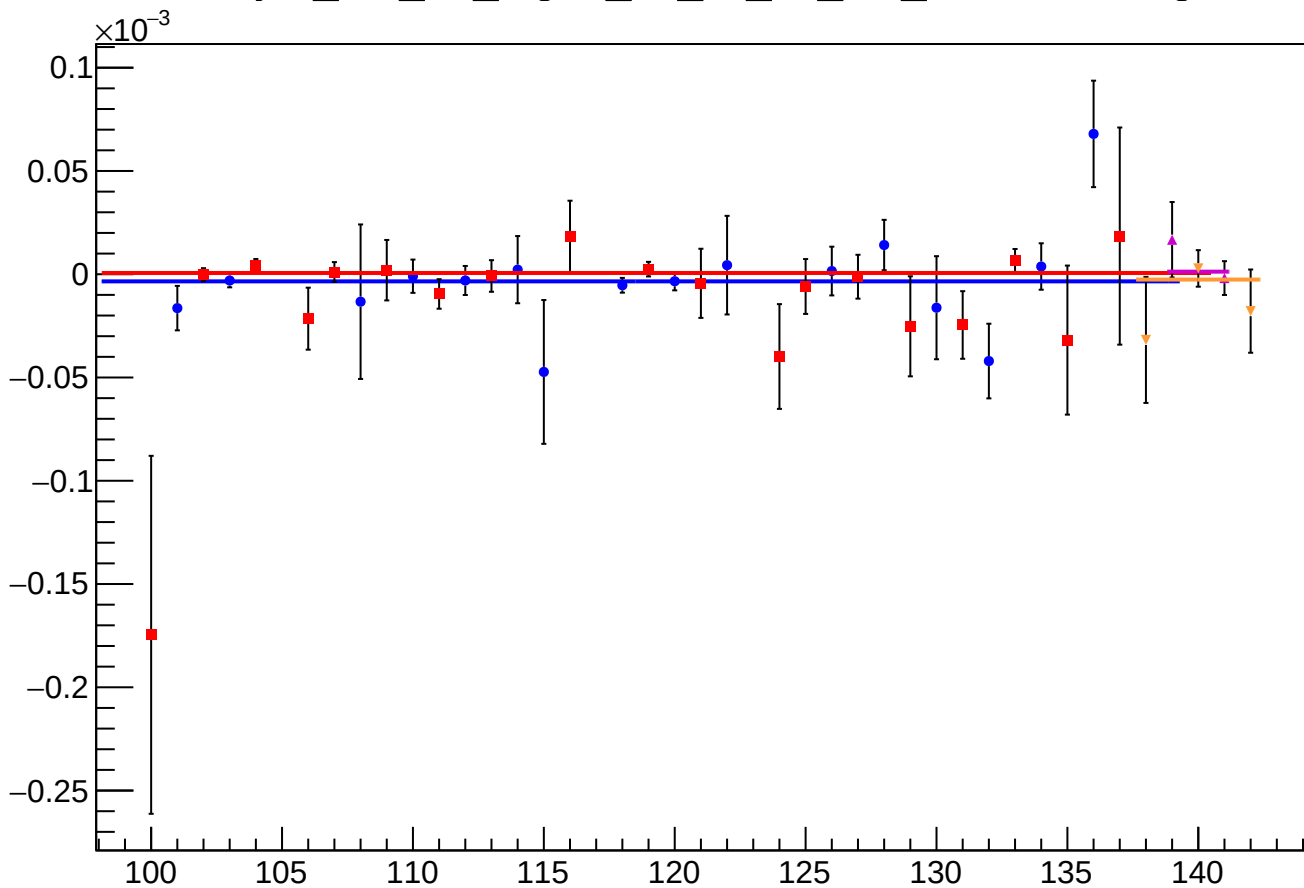
Left In: 50.119+/-0.031 χ^2/NDF : 327935.7/1

+ sign 58.028+/-0.016 χ^2/NDF : 3339219.2/18

All: 55.157+/-0.011 χ^2/NDF : 7685504.2/39

- sign 52.448+/-0.015 χ^2/NDF : 4281306.3/20

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 : 1.9/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.2/18

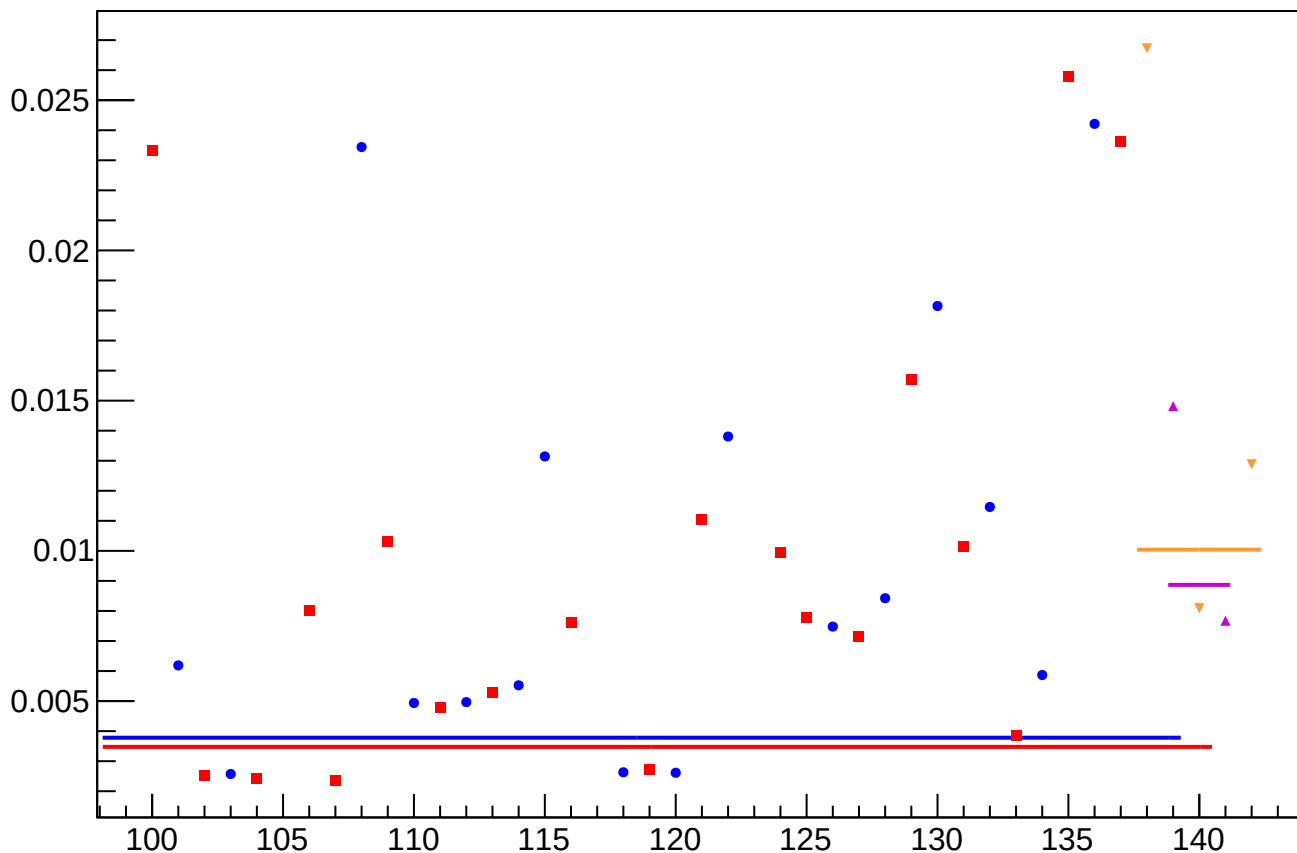
Left In: 0.000 ± 0.000 χ^2/NDF : 0.9/1

+ sign -0.000 ± 0.000 χ^2/NDF : 20.8/18

All: -0.000 ± 0.000 χ^2/NDF : 43.8/39

- sign 0.000 ± 0.000 χ^2/NDF : 20.0/20

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: 0.010 $\pm$ 0.000 χ^2 /NDF: 735040.2/2

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 4495340.7/18

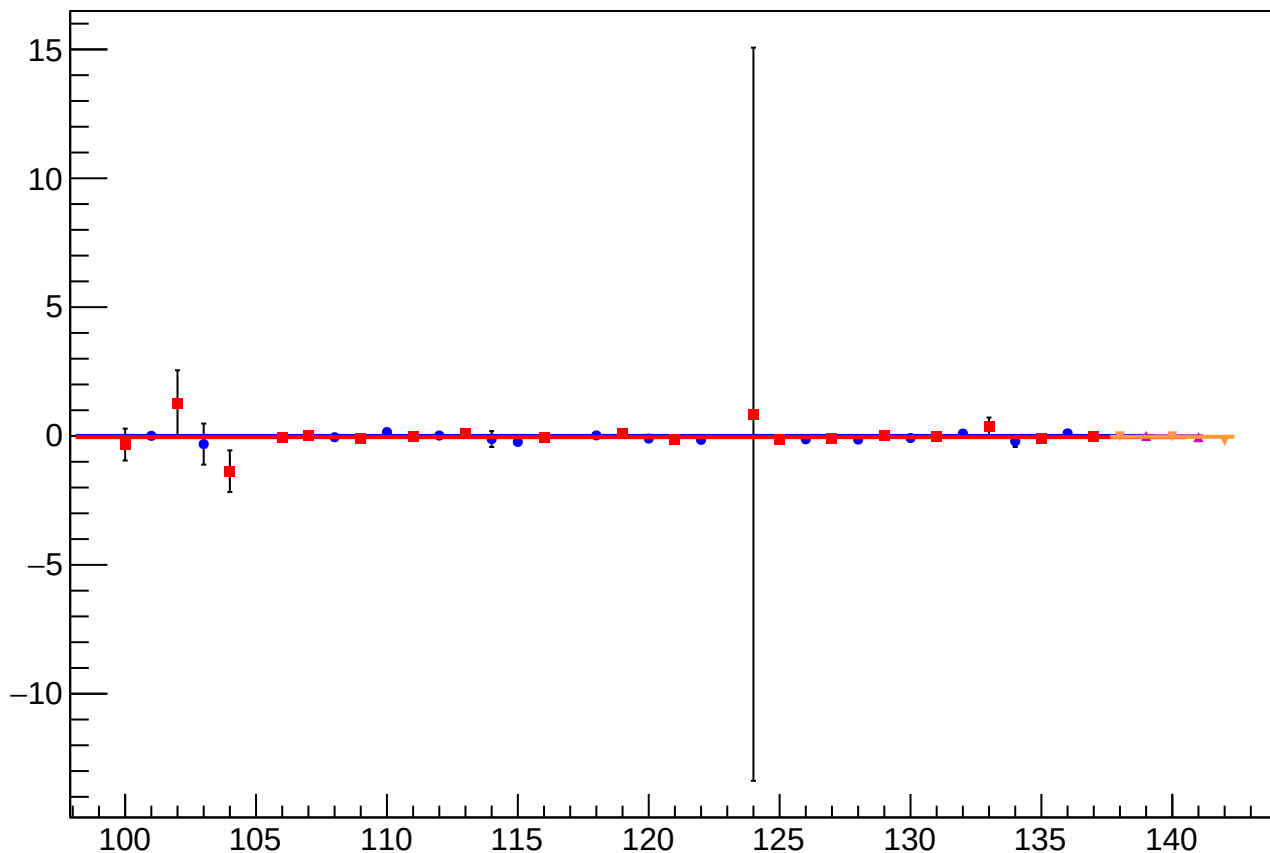
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 254851.0/1

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6666787.1/18

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12477864.3/39

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5750354.8/20

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: -0.029 ± 0.038 χ^2/NDF : 1.3/2

Right Out: -0.044 ± 0.025 χ^2/NDF : 12.7/18

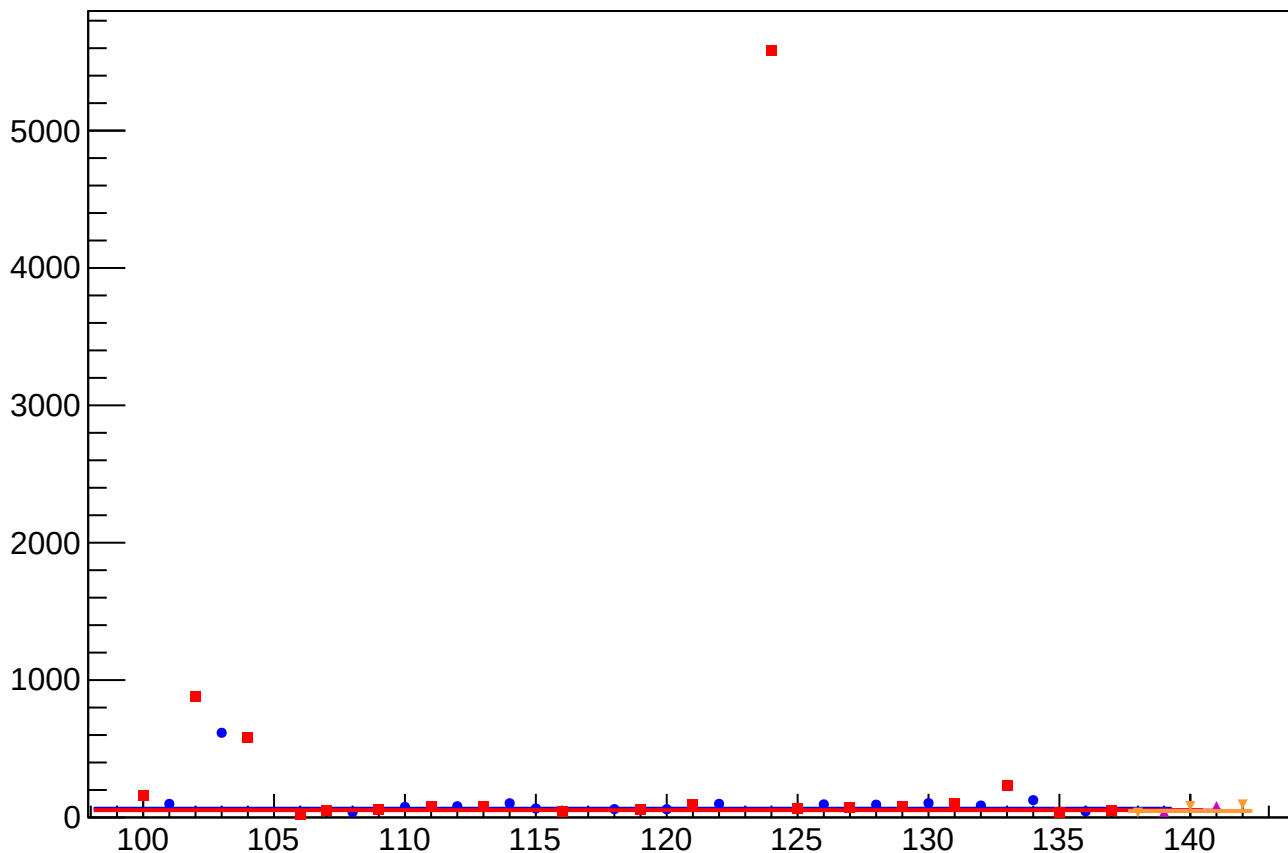
Left In: -0.008 ± 0.044 χ^2/NDF : 0.2/1

+ sign -0.007 ± 0.022 χ^2/NDF : 15.0/18

All: -0.022 ± 0.015 χ^2/NDF : 29.2/39

- sign -0.035 ± 0.022 χ^2/NDF : 13.4/20

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: 47.222+/-0.027 χ^2/NDF : 656189.4/2

Right Out: 53.201+/-0.018 χ^2/NDF : 3946328.9/18

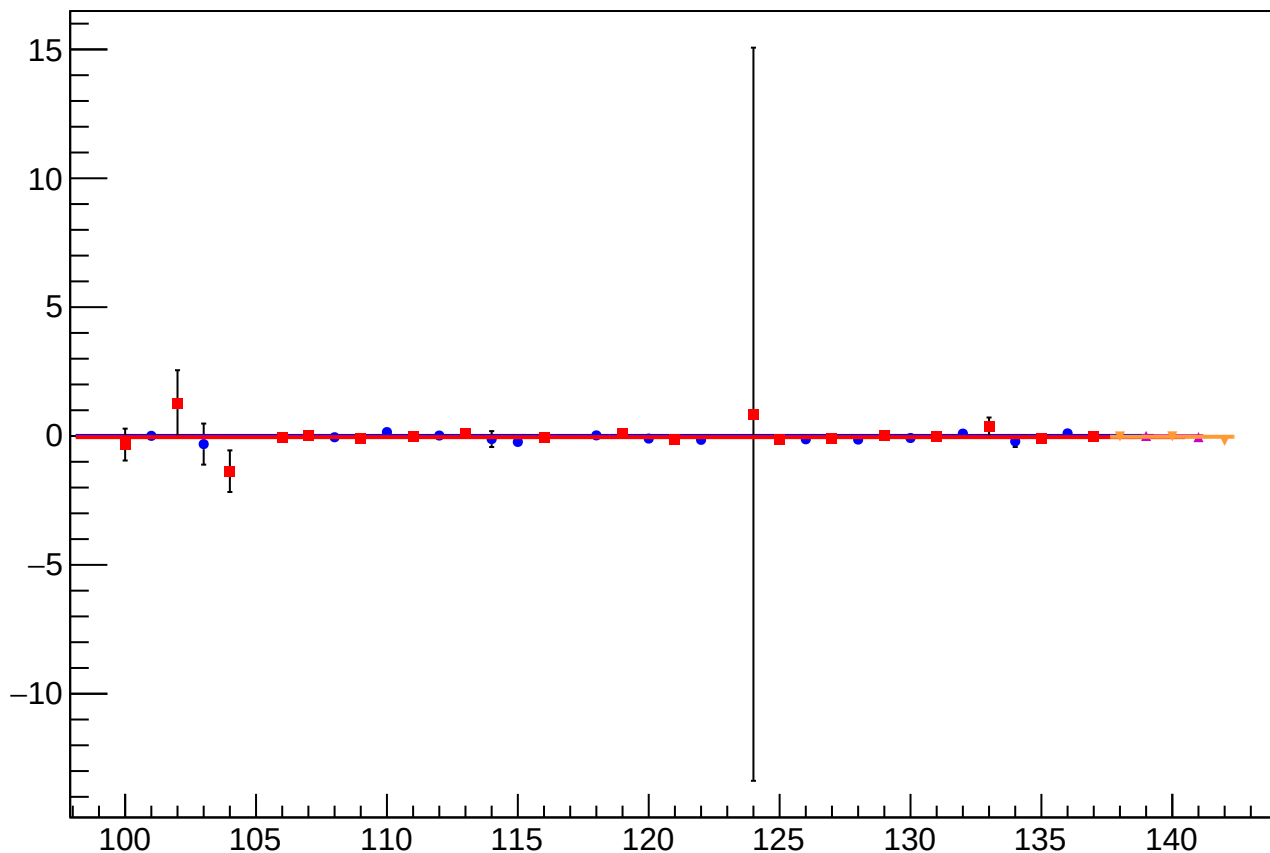
Left In: 50.131+/-0.031 χ^2/NDF : 327802.1/1

+ sign 58.034+/-0.016 χ^2/NDF : 3338618.0/18

All: 55.160+/-0.011 χ^2/NDF : 7685380.3/39

- sign 52.447+/-0.015 χ^2/NDF : 4281636.8/20

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.027 χ^2/NDF : 13.3/15

Left Out: -0.029 ± 0.038 χ^2/NDF : 1.3/2

Right Out: -0.044 ± 0.025 χ^2/NDF : 12.7/18

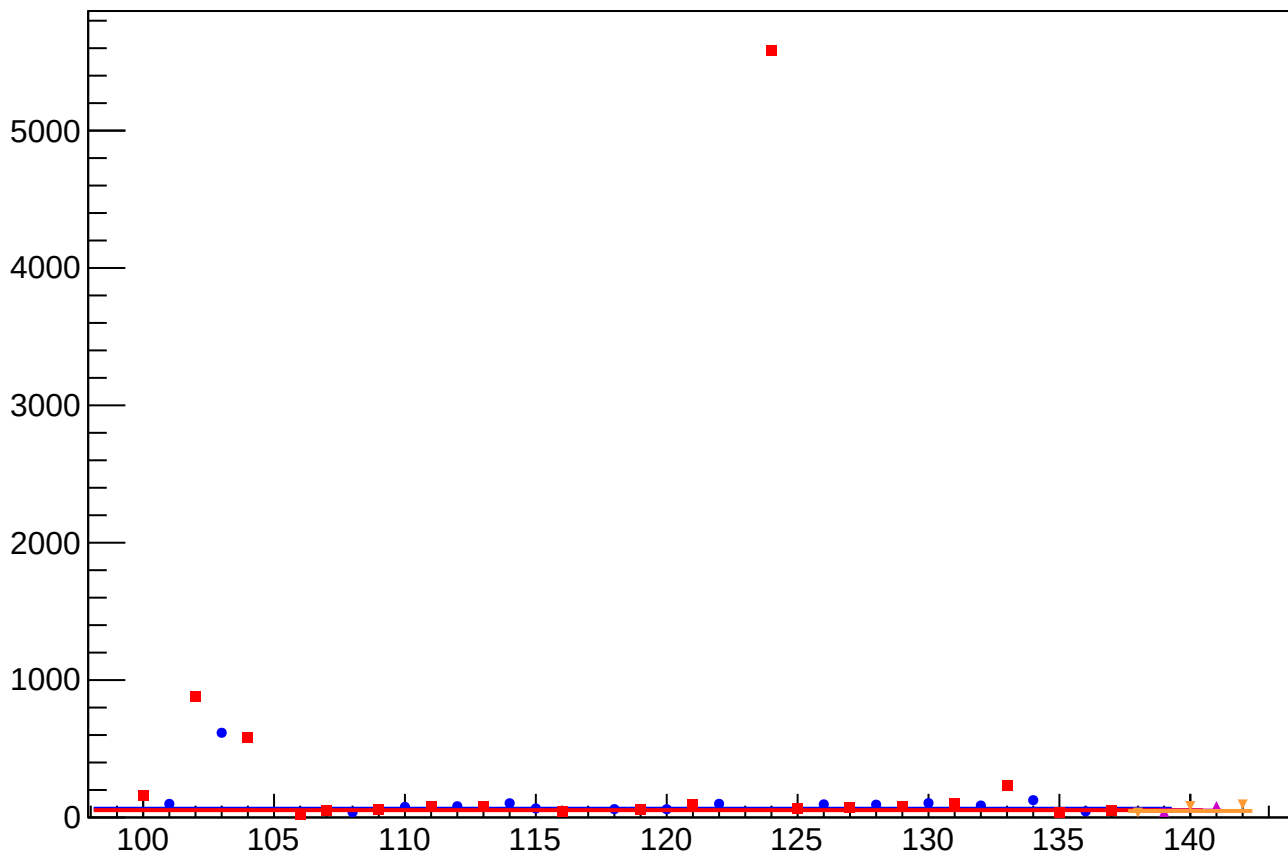
Left In: -0.008 ± 0.044 χ^2/NDF : 0.2/1

+ sign -0.007 ± 0.022 χ^2/NDF : 15.0/18

All: -0.022 ± 0.015 χ^2/NDF : 29.2/39

- sign -0.035 ± 0.022 χ^2/NDF : 13.4/20

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF : 2444357.3/15

Left Out: 47.222+/-0.027 χ^2/NDF : 656189.4/2

Right Out: 53.201+/-0.018 χ^2/NDF : 3946328.9/18

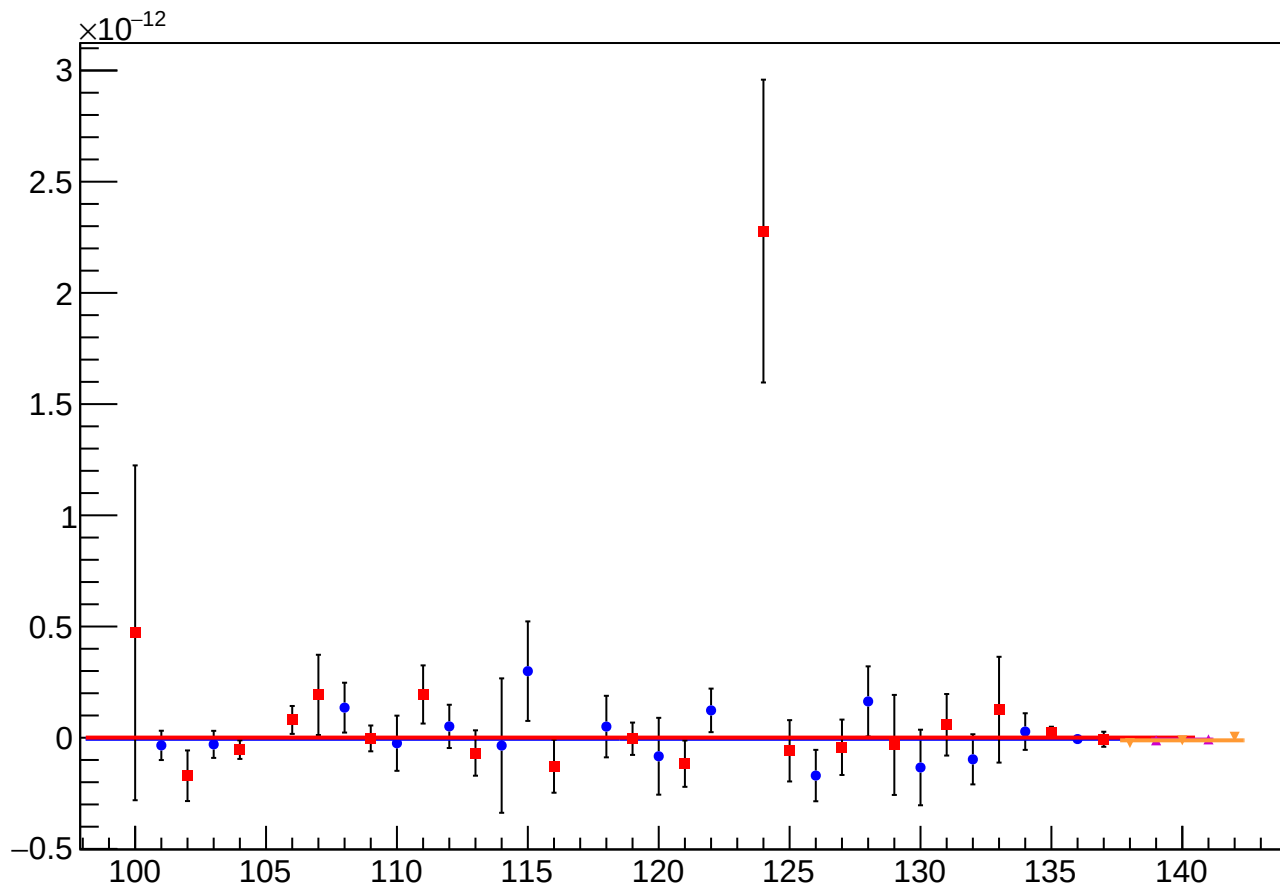
Left In: 50.131+/-0.031 χ^2/NDF : 327802.1/1

+ sign 58.034+/-0.016 χ^2/NDF : 3338618.0/18

All: 55.160+/-0.011 χ^2/NDF : 7685380.3/39

- sign 52.447+/-0.015 χ^2/NDF : 4281636.8/20

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 : 1.3/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.1/18

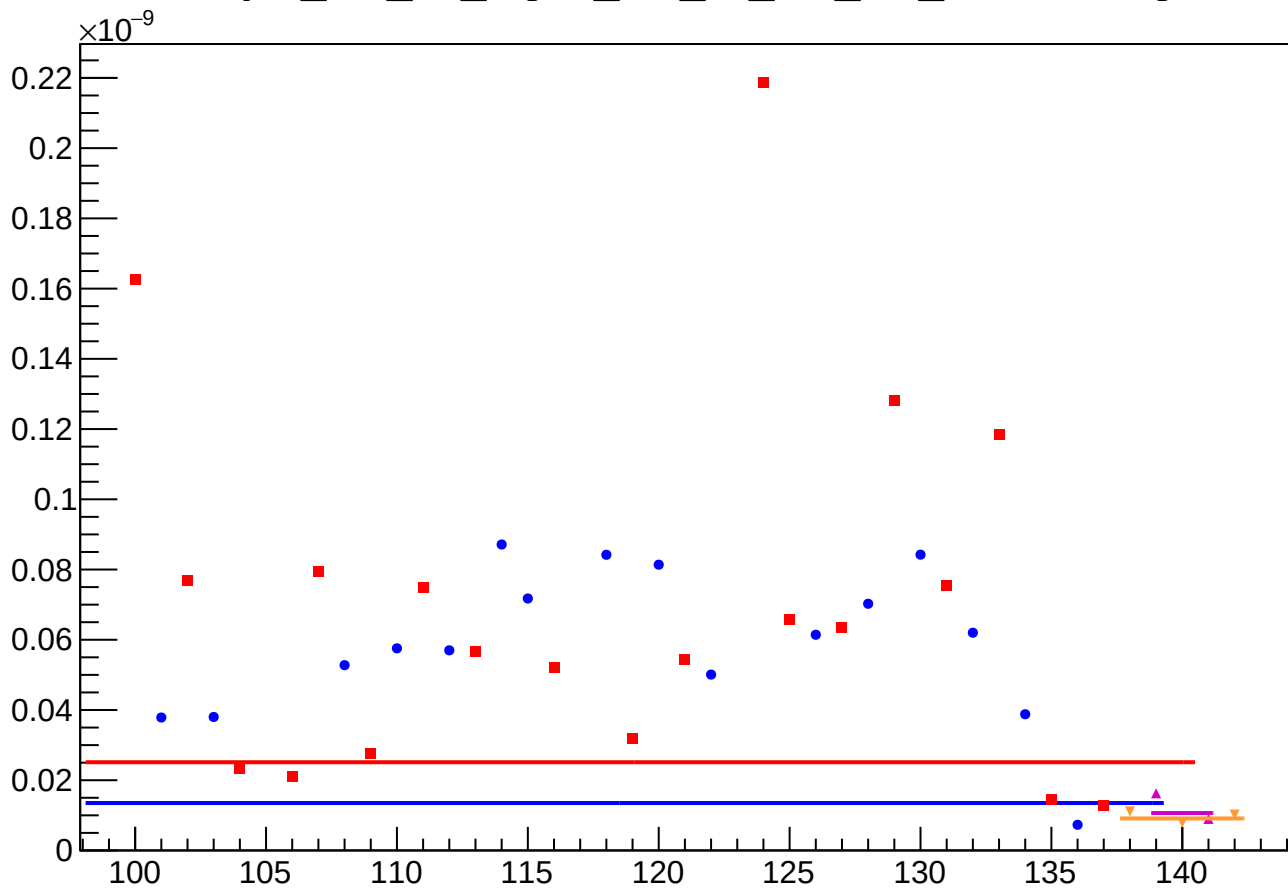
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 12.4/18

All: -0.000 ± 0.000 χ^2/NDF : 37.9/39

- sign -0.000 ± 0.000 χ^2/NDF : 25.4/20

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 65289.0/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3578472.9/18

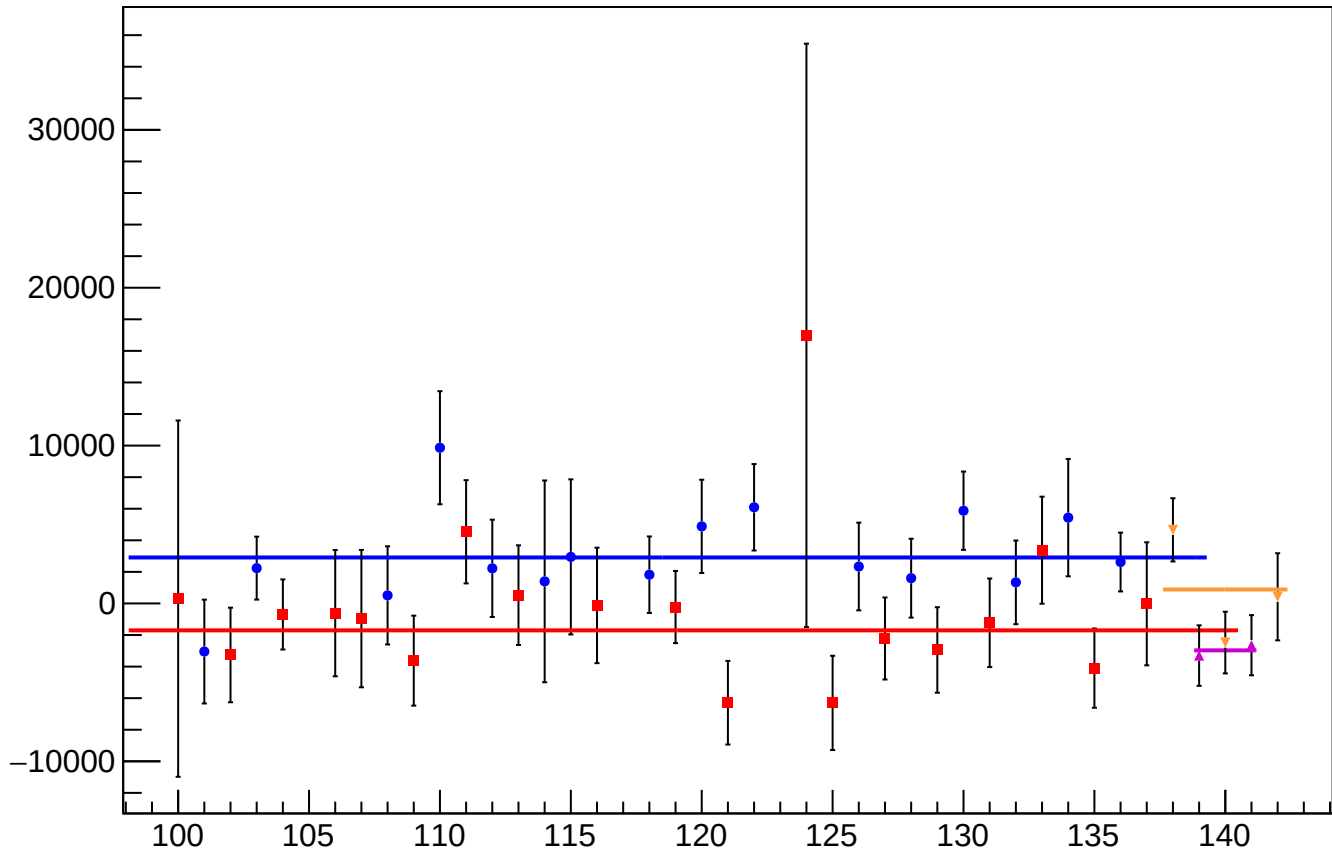
Left In: 0.000+/-0.000 χ^2/NDF : 169193.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 5290473.8/18

All: 0.000+/-0.000 χ^2/NDF : 10667472.4/39

- sign 0.000+/-0.000 χ^2/NDF : 4989321.9/20

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991 ± 695.062 $\chi^2/\text{NDF}: 12.4/15$

Left Out: 885.642 ± 1247.036 $\chi^2/\text{NDF}: 6.6/2$

Right Out: -1704.904 ± 706.846 $\chi^2/\text{NDF}: 15.8/18$

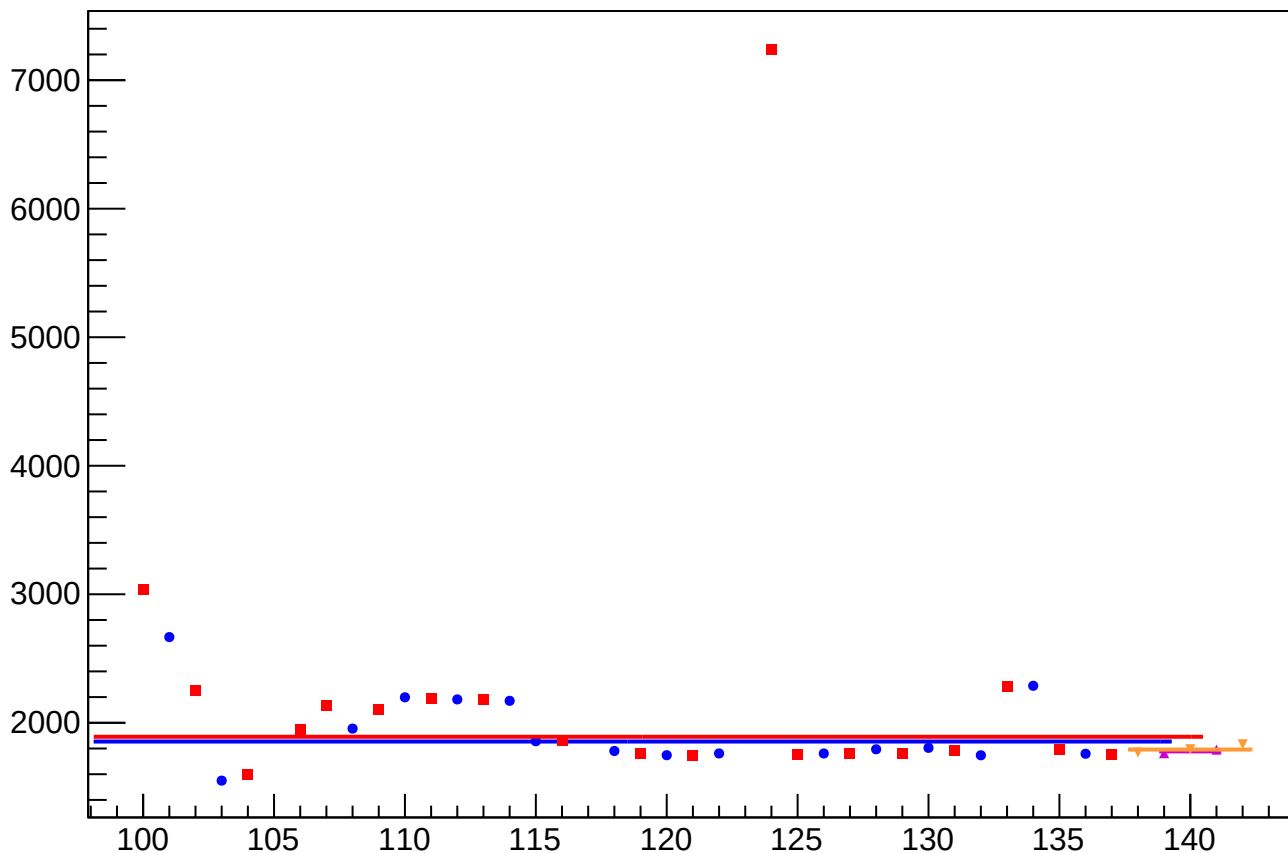
Left In: -2972.476 ± 1350.895 $\chi^2/\text{NDF}: 0.1/1$

+ sign 2432.454 ± 607.125 $\chi^2/\text{NDF}: 21.0/18$

All: 296.064 ± 435.921 $\chi^2/\text{NDF}: 63.1/39$

- sign -1977.352 ± 626.293 $\chi^2/\text{NDF}: 16.6/20$

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.7/15

Left Out: 1791.802+/-0.882 χ^2/NDF : 717.6/2

Right Out: 1891.469+/-0.499 χ^2/NDF : 364050.6/18

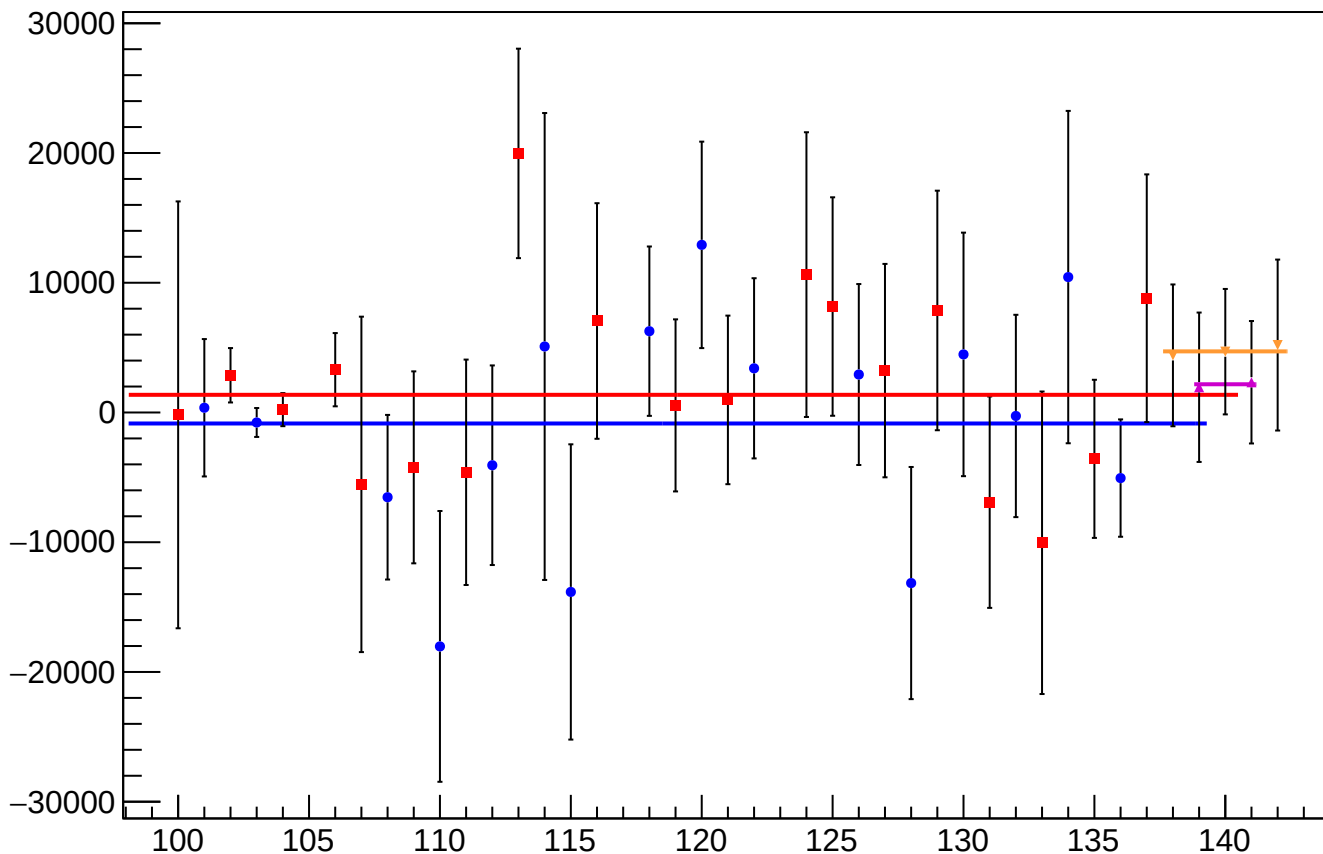
Left In: 1777.562+/-0.955 χ^2/NDF : 217.4/1

+ sign 1839.497+/-0.429 χ^2/NDF : 267874.7/18

All: 1852.883+/-0.308 χ^2/NDF : 645320.0/39

- sign 1867.075+/-0.442 χ^2/NDF : 375442.3/20

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977 ± 962.920 χ^2/NDF : 13.9/15

Left Out: 4709.772 ± 3173.375 χ^2/NDF : 0.0/2

Right Out: 1361.523 ± 915.925 χ^2/NDF : 14.0/18

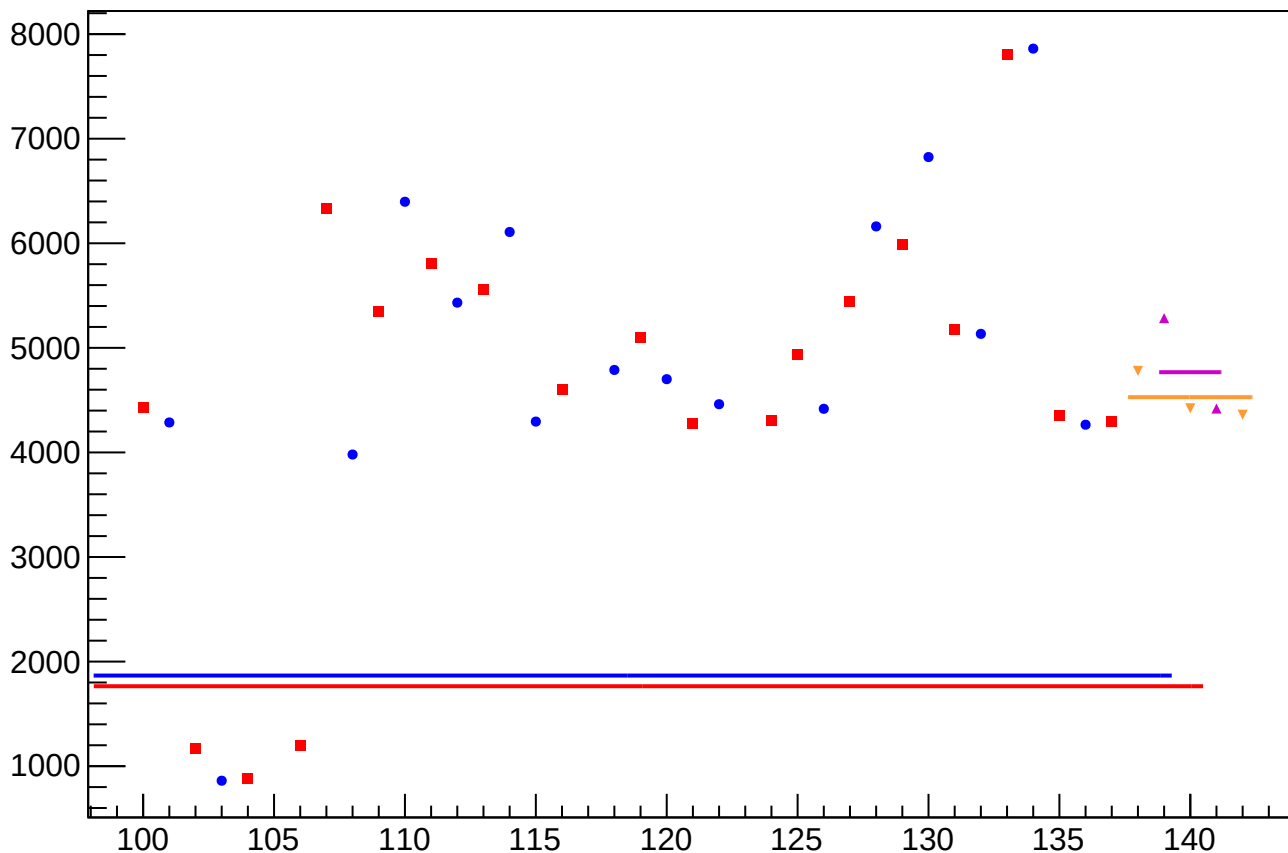
Left In: 2175.480 ± 3649.437 χ^2/NDF : 0.0/1

+ sign -379.396 ± 921.434 χ^2/NDF : 16.7/18

All: 547.852 ± 639.543 χ^2/NDF : 32.7/39

- sign 1409.755 ± 888.373 χ^2/NDF : 14.1/20

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF : 6849638.3/15

Left Out: 4528.341+/-2.244 χ^2/NDF : 6494.6/2

Right Out: 1764.281+/-0.648 χ^2/NDF : 6434807.7/18

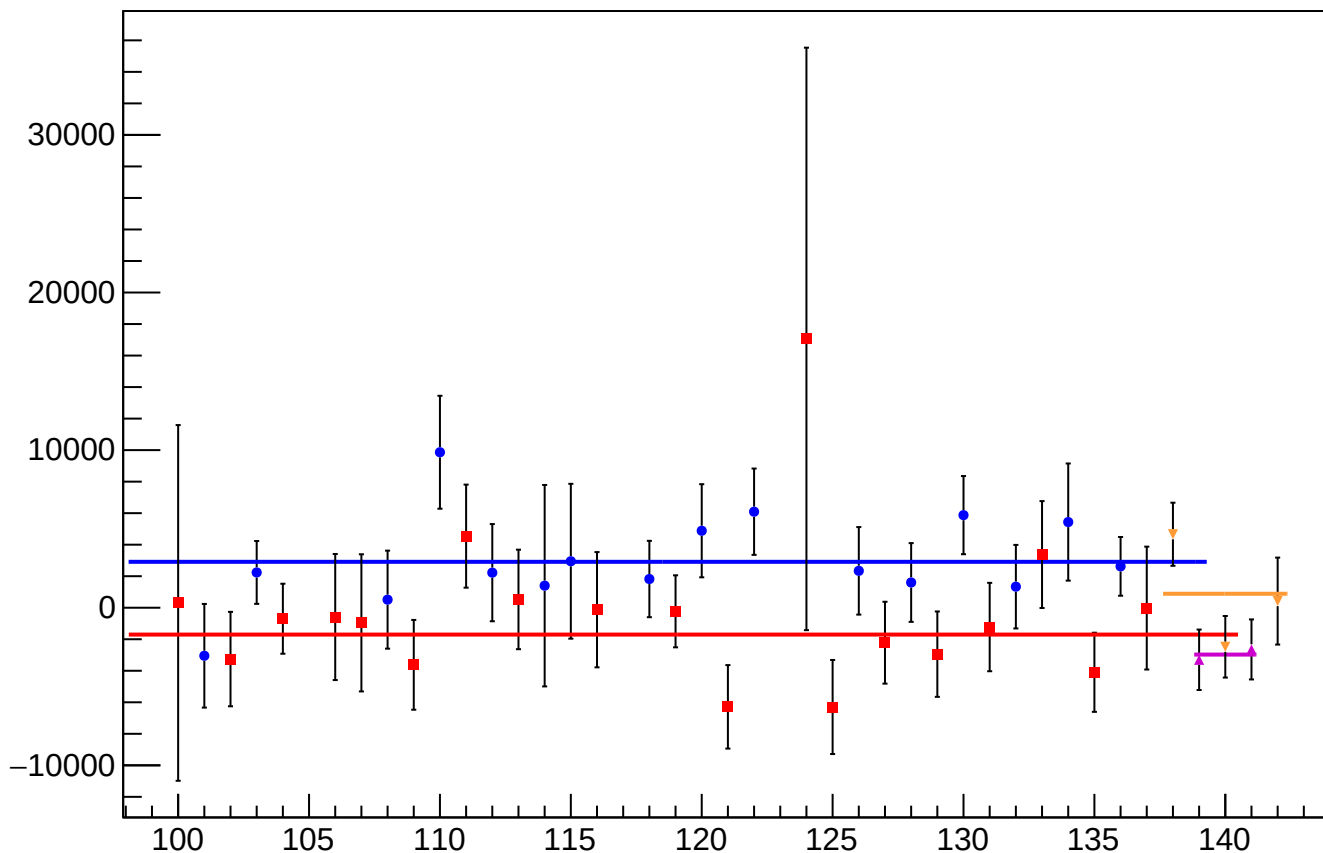
Left In: 4767.225+/-2.581 χ^2/NDF : 26962.7/1

+ sign 2090.836+/-0.652 χ^2/NDF : 8144768.6/18

All: 2013.817+/-0.452 χ^2/NDF : 15907424.6/3

- sign 1942.226+/-0.628 χ^2/NDF : 7735694.6/20

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091 ± 695.062 χ^2/NDF : 12.4/15

Left Out: 885.502 ± 1247.036 χ^2/NDF : 6.6/2

Right Out: -1703.523 ± 706.847 χ^2/NDF : 15.8/18

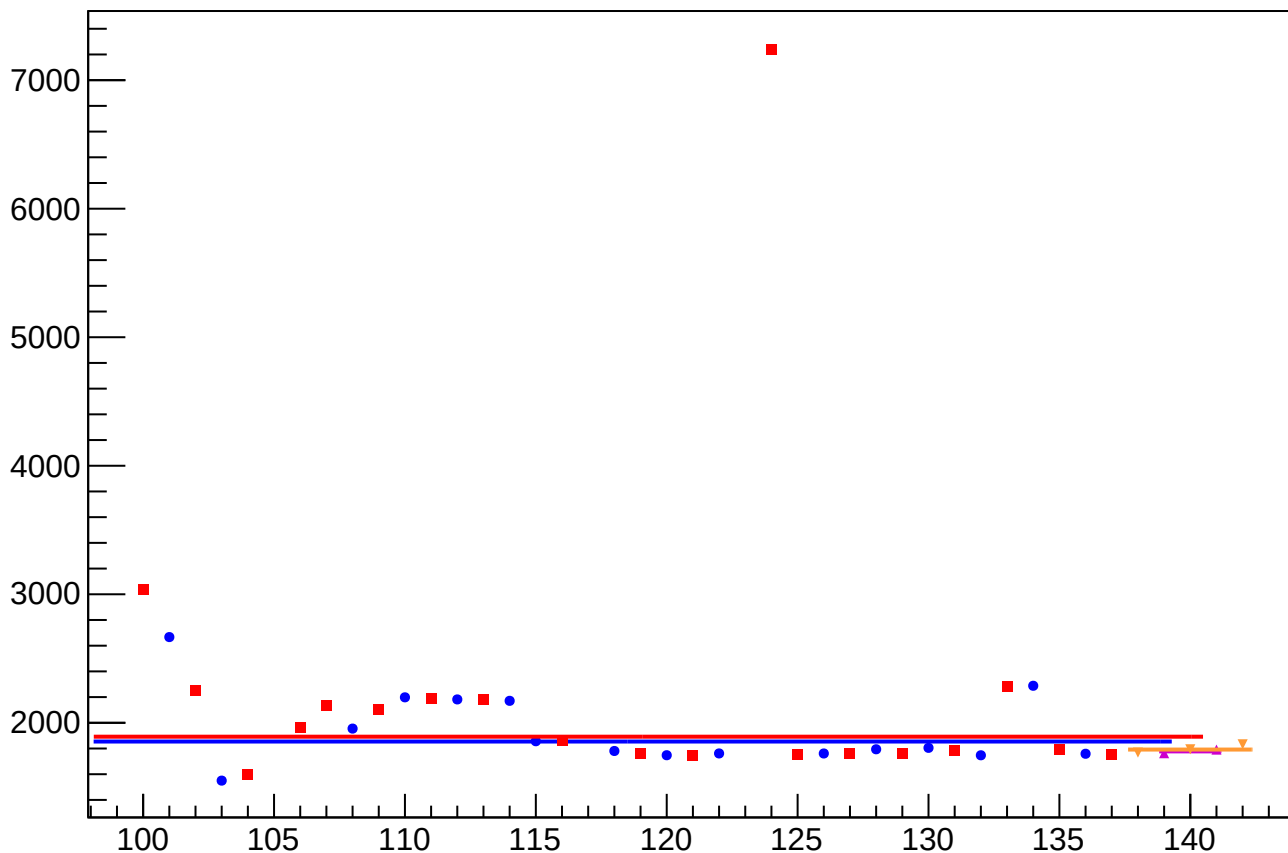
Left In: -2972.863 ± 1350.895 χ^2/NDF : 0.1/1

+ sign 2432.497 ± 607.125 χ^2/NDF : 21.0/18

All: 296.573 ± 435.921 χ^2/NDF : 63.1/39

- sign -1976.352 ± 626.293 χ^2/NDF : 16.6/20

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.5/15

Left Out: 1791.802+/-0.882 χ^2/NDF : 717.6/2

Right Out: 1891.927+/-0.499 χ^2/NDF : 364292.2/18

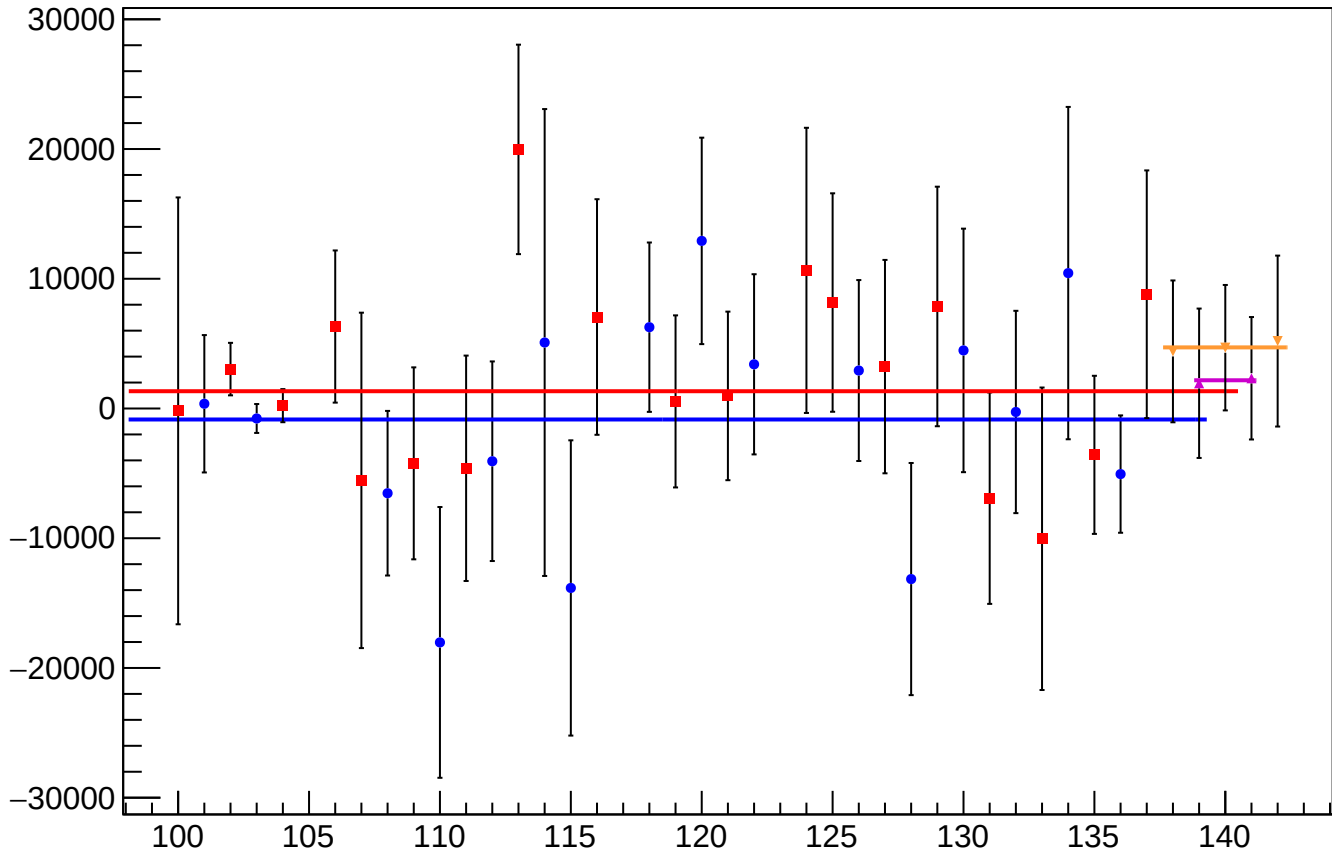
Left In: 1777.562+/-0.955 χ^2/NDF : 217.4/1

+ sign 1839.497+/-0.429 χ^2/NDF : 267874.6/18

All: 1853.051+/-0.308 χ^2/NDF : 645701.5/39

- sign 1867.427+/-0.442 χ^2/NDF : 375772.9/20

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504 ± 962.866 χ^2/NDF : 13.9/15

Left Out: 4709.499 ± 3173.366 χ^2/NDF : 0.0/2

Right Out: 1331.371 ± 948.163 χ^2/NDF : 14.4/18

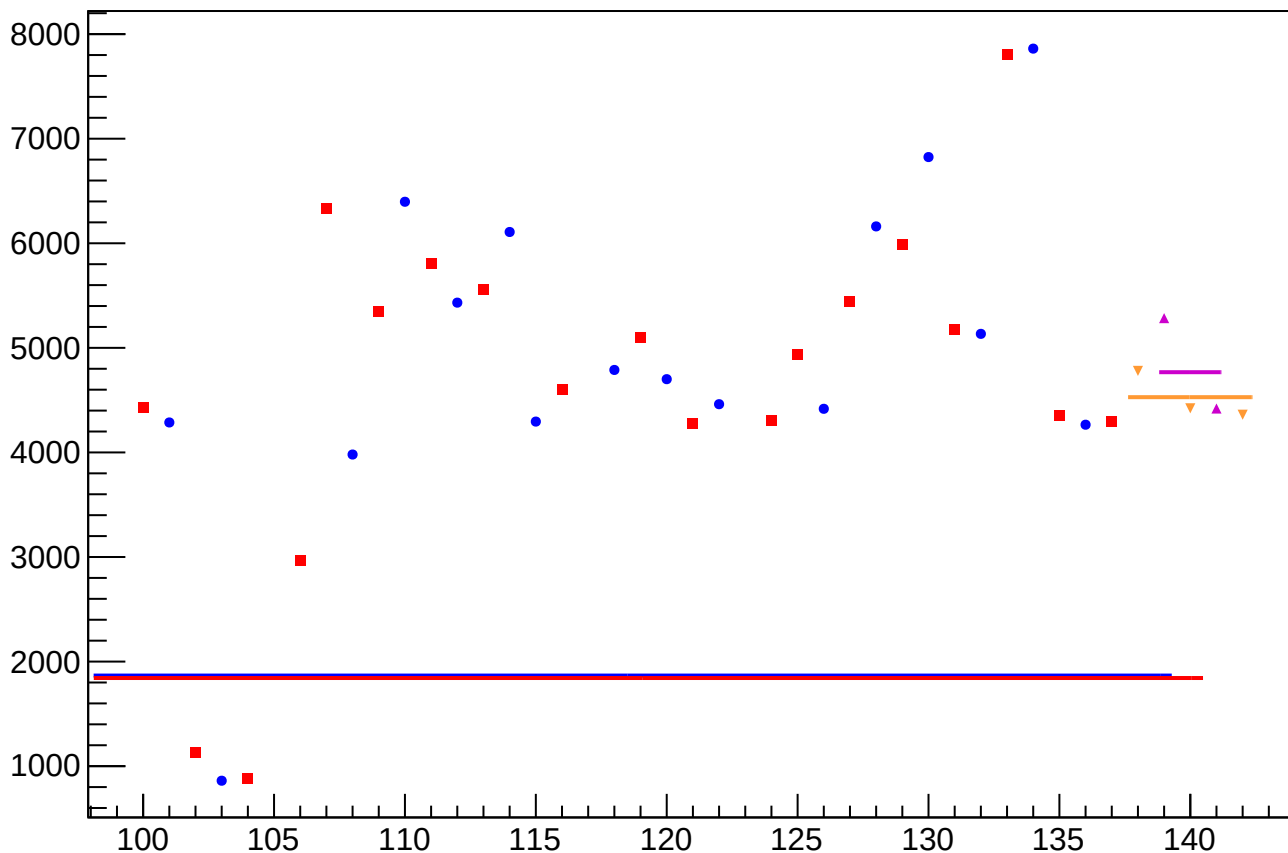
Left In: 2175.352 ± 3649.437 χ^2/NDF : 0.0/1

+ sign -379.031 ± 921.387 χ^2/NDF : 16.7/18

All: 506.394 ± 650.210 χ^2/NDF : 33.0/39

- sign 1384.739 ± 917.696 χ^2/NDF : 14.5/20

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF : 6850061.4/15

Left Out: 4528.327+/-2.244 χ^2/NDF : 6495.4/2

Right Out: 1842.882+/-0.670 χ^2/NDF : 6458456.4/18

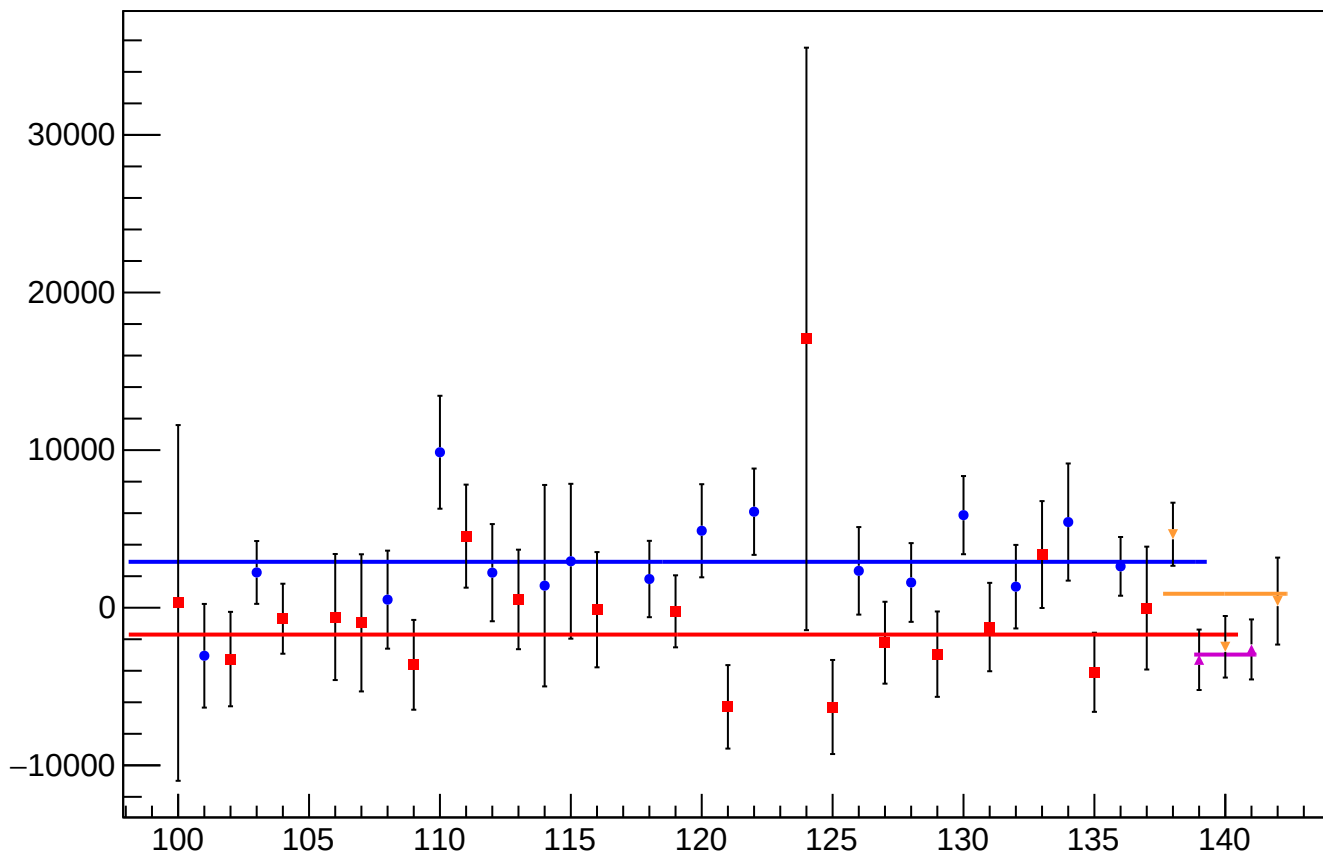
Left In: 4767.225+/-2.581 χ^2/NDF : 26963.2/1

+ sign 2090.673+/-0.652 χ^2/NDF : 8145347.2/18

All: 2059.109+/-0.460 χ^2/NDF : 15838443.5/3

- sign 2027.798+/-0.649 χ^2/NDF : 7688421.0/20

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091 $\pm$ 695.062 χ^2 /NDF: 12.4/15

Left Out: 885.502 $\pm$ 1247.036 χ^2 /NDF: 6.6/2

Right Out: -1703.523 $\pm$ 706.847 χ^2 /NDF: 15.8/18

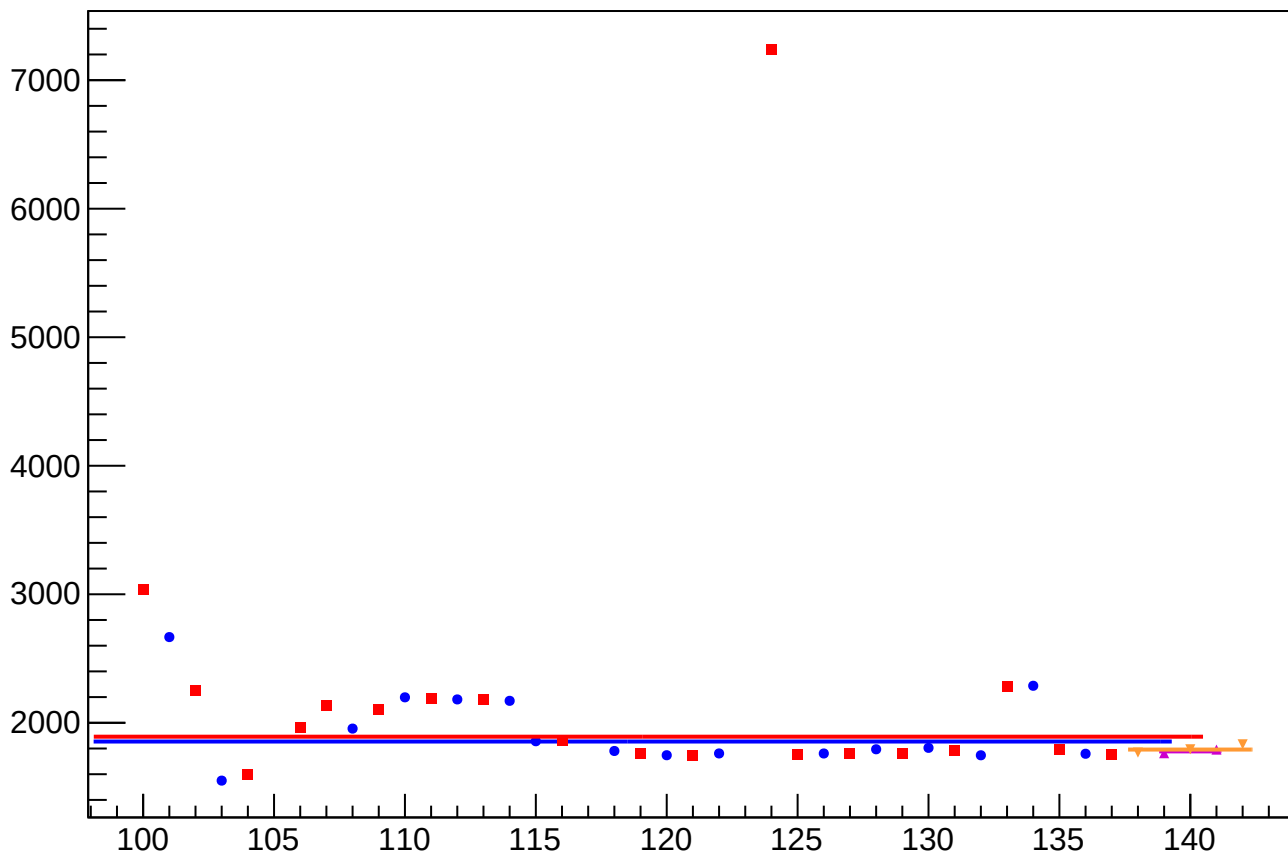
Left In: -2972.863 $\pm$ 1350.895 χ^2 /NDF: 0.1/1

+ sign 2432.497 $\pm$ 607.125 χ^2 /NDF: 21.0/18

All: 296.573 $\pm$ 435.921 χ^2 /NDF: 63.1/39

- sign -1976.352 $\pm$ 626.293 χ^2 /NDF: 16.6/20

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF : 263322.5/15

Left Out: 1791.802+/-0.882 χ^2/NDF : 717.6/2

Right Out: 1891.927+/-0.499 χ^2/NDF : 364292.2/18

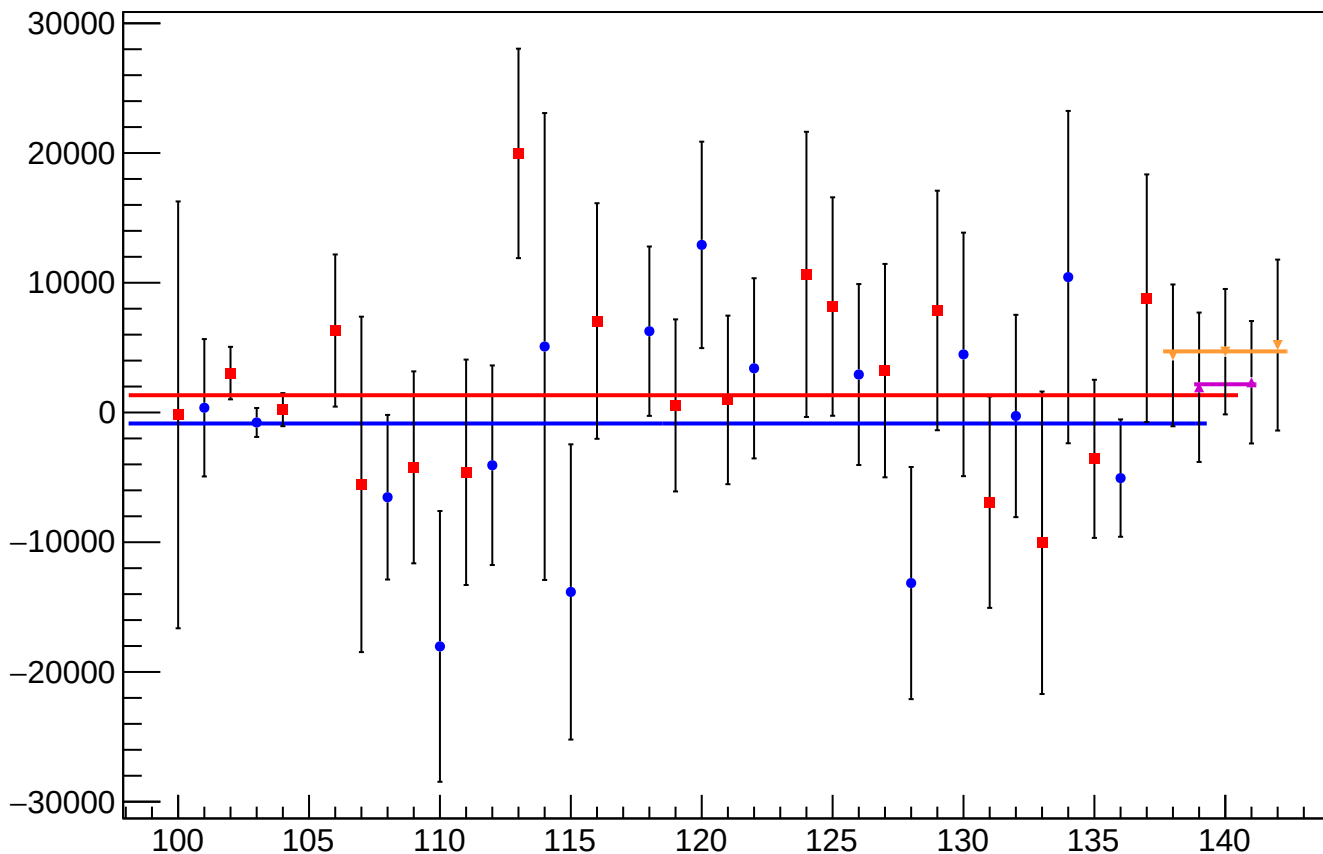
Left In: 1777.562+/-0.955 χ^2/NDF : 217.4/1

+ sign 1839.497+/-0.429 χ^2/NDF : 267874.6/18

All: 1853.051+/-0.308 χ^2/NDF : 645701.5/39

- sign 1867.427+/-0.442 χ^2/NDF : 375772.9/20

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -847.504 ± 962.866 χ^2/NDF : 13.9/15

Left Out: 4709.499 ± 3173.366 χ^2/NDF : 0.0/2

Right Out: 1331.371 ± 948.163 χ^2/NDF : 14.4/18

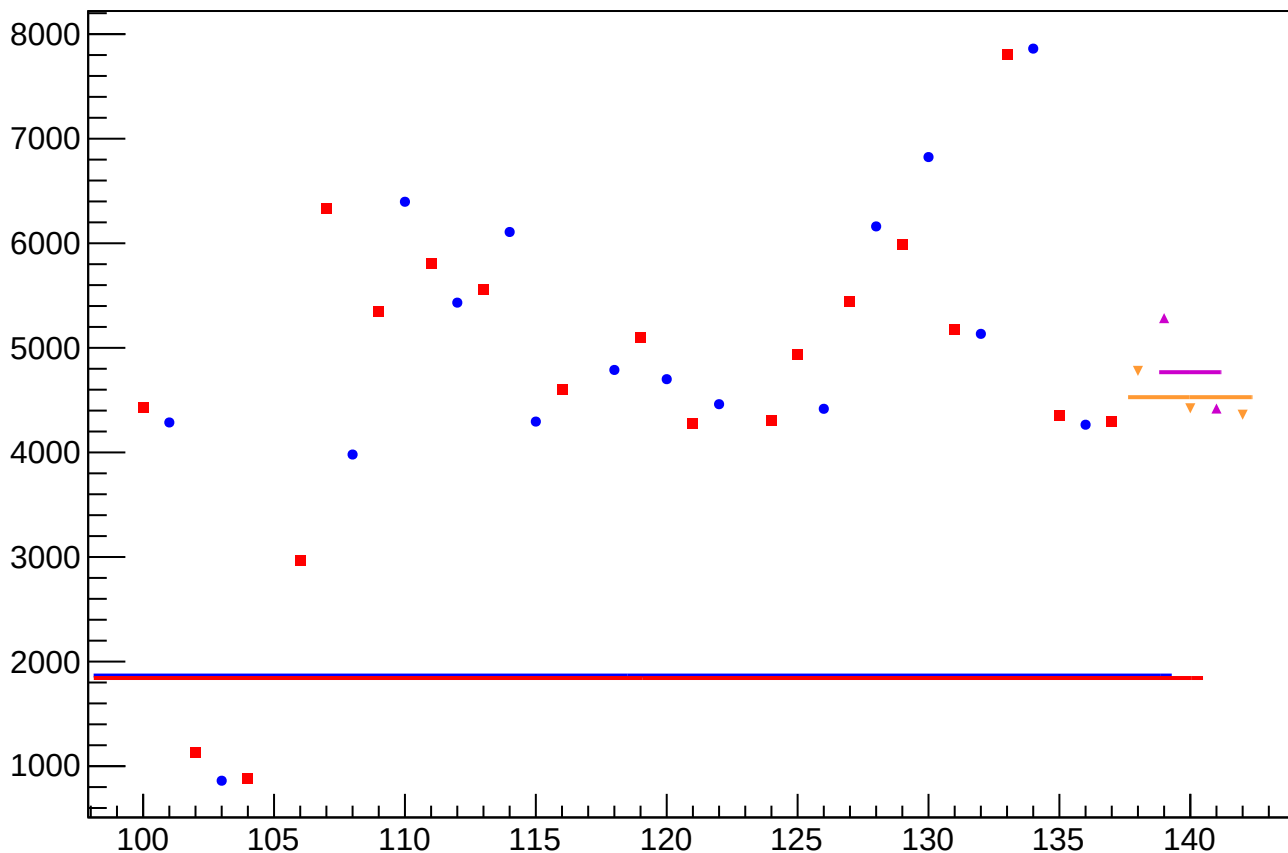
Left In: 2175.352 ± 3649.437 χ^2/NDF : 0.0/1

+ sign -379.031 ± 921.387 χ^2/NDF : 16.7/18

All: 506.394 ± 650.210 χ^2/NDF : 33.0/39

- sign 1384.739 ± 917.696 χ^2/NDF : 14.5/20

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF : 6850061.4/15

Left Out: 4528.327+/-2.244 χ^2/NDF : 6495.4/2

Right Out: 1842.882+/-0.670 χ^2/NDF : 6458456.4/18

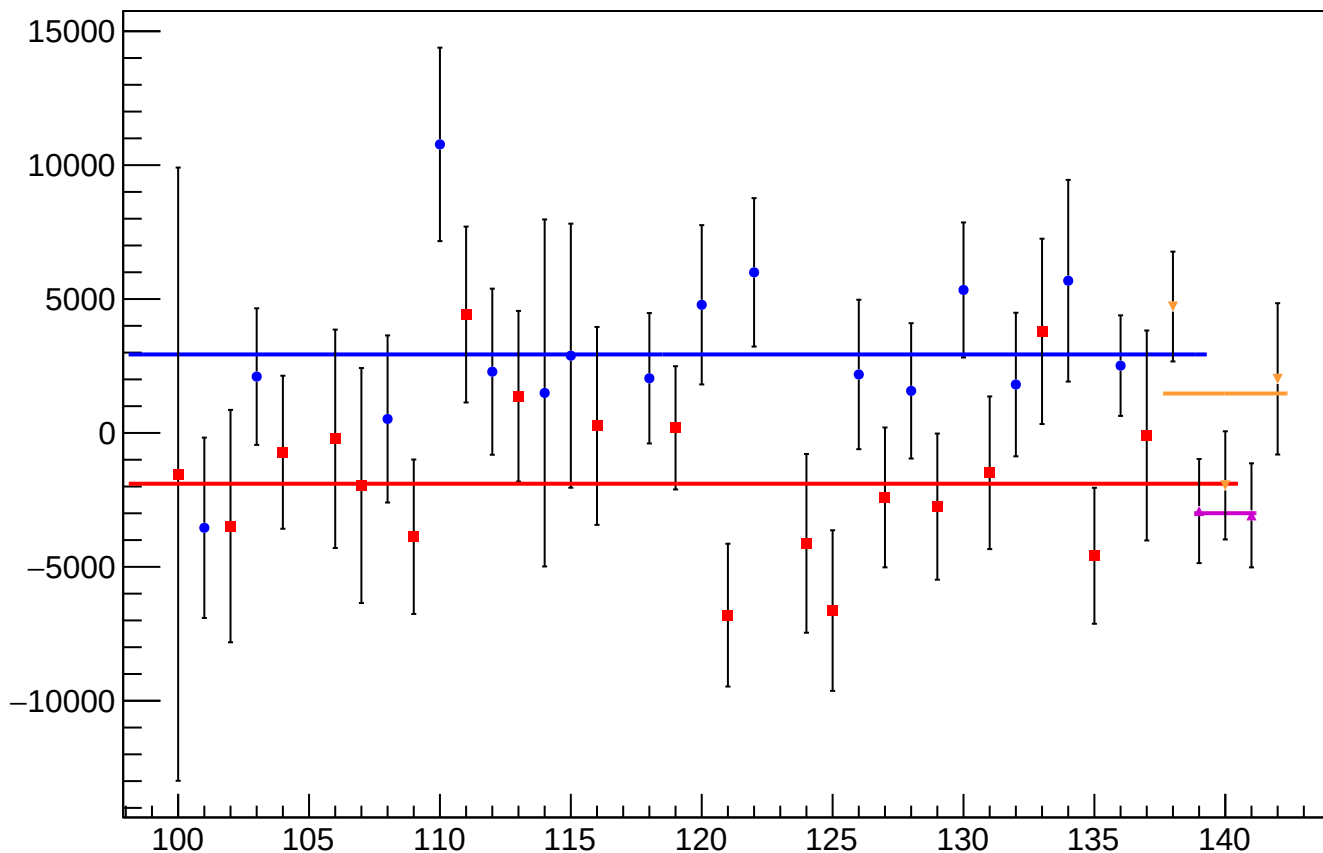
Left In: 4767.225+/-2.581 χ^2/NDF : 26963.2/1

+ sign 2090.673+/-0.652 χ^2/NDF : 8145347.2/18

All: 2059.109+/-0.460 χ^2/NDF : 15838443.5/3

- sign 2027.798+/-0.649 χ^2/NDF : 7688421.0/20

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691 $\pm$ 718.305 χ^2 /NDF: 13.0/15

Left Out: 1472.226 $\pm$ 1282.105 χ^2 /NDF:5.4/2

Right Out: -1895.503 $\pm$ 721.954 χ^2 /NDF: 17.4/18

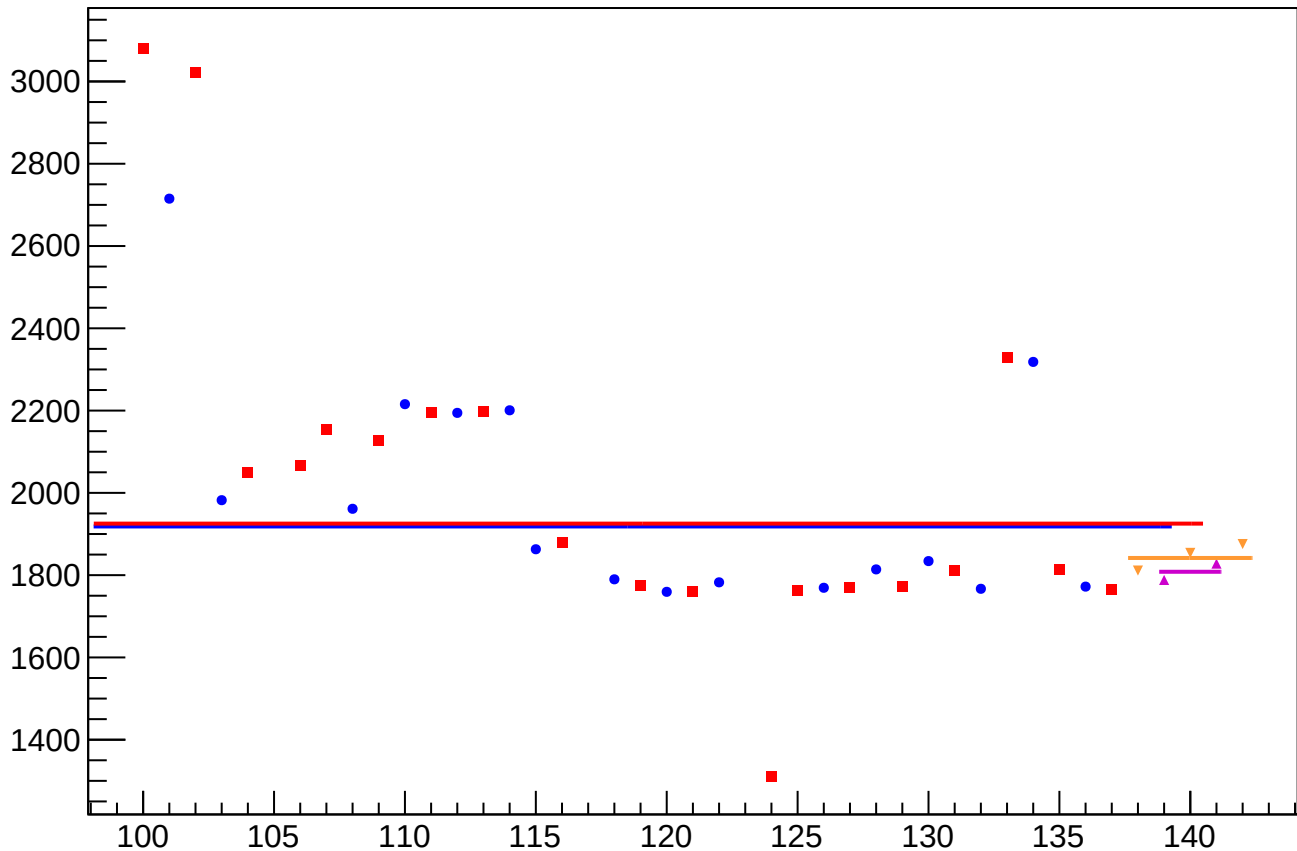
Left In: -2996.164 $\pm$ 1374.327 χ^2 /NDF:0.0/1

+ sign 2583.026 $\pm$ 626.658 χ^2 /NDF: 19.4/18

All: 271.222 $\pm$ 447.460 χ^2 /NDF: 65.1/39

- sign -2133.546 $\pm$ 639.133 χ^2 /NDF: 17.9/20

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF : 215592.7/15

Left Out: 1841.764+/-0.907 χ^2/NDF : 807.7/2

+ sign 1900.067+/-0.443 χ^2/NDF : 221834.4/18

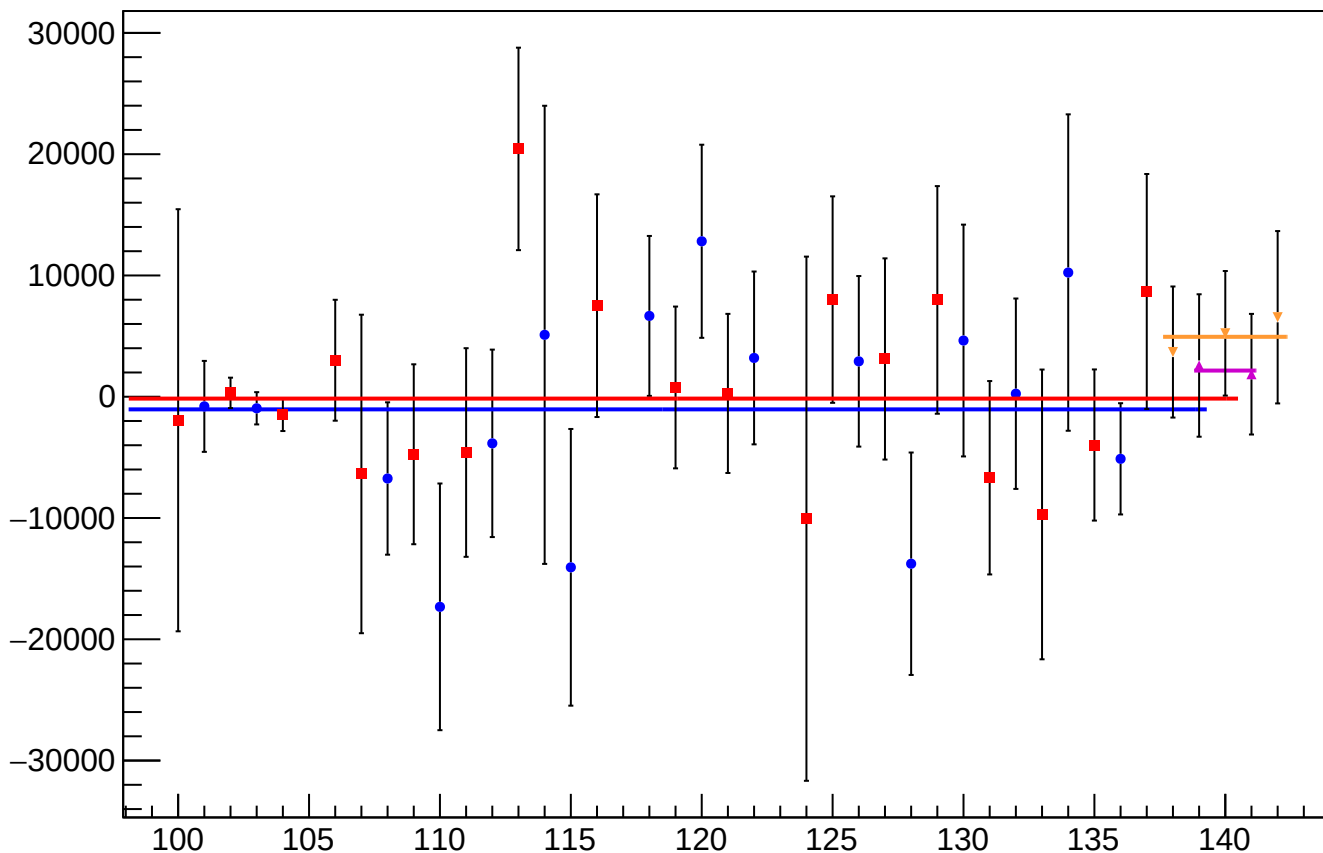
Right Out: 1925.260+/-0.510 χ^2/NDF : 339095.4/18

All: 1900.024+/-0.316 χ^2/NDF : 572719.0/39

- sign 1899.979+/-0.452 χ^2/NDF : 350884.6/20

Left In: 1808.215+/-0.972 χ^2/NDF : 416.3/1

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF : 13.8/15

Left Out: 4941.013+/-3297.789 χ^2/NDF : 0.1/2

Right Out: -153.619+/-835.656 χ^2/NDF : 13.7/18

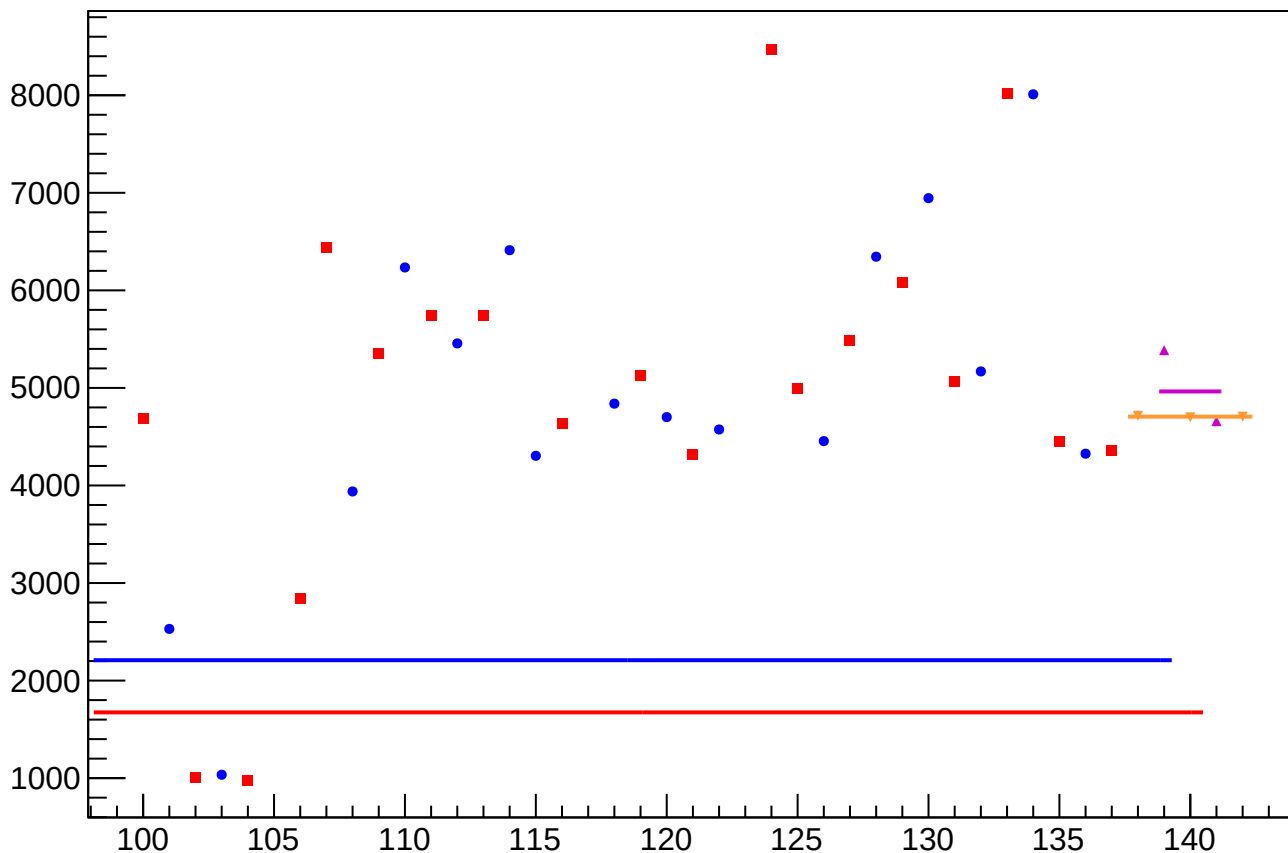
Left In: 2157.871+/-3795.312 χ^2/NDF : 0.0/1

+ sign -469.731+/-1019.838 χ^2/NDF : 16.9/18

All: -211.869+/-637.201 χ^2/NDF : 31.1/39

- sign -46.741+/-816.107 χ^2/NDF : 14.1/20

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF : 5499011.4/15

Left Out: 4705.510+/-2.332 χ^2/NDF : 9.2/2

Right Out: 1674.162+/-0.591 χ^2/NDF : 6853212.9/18

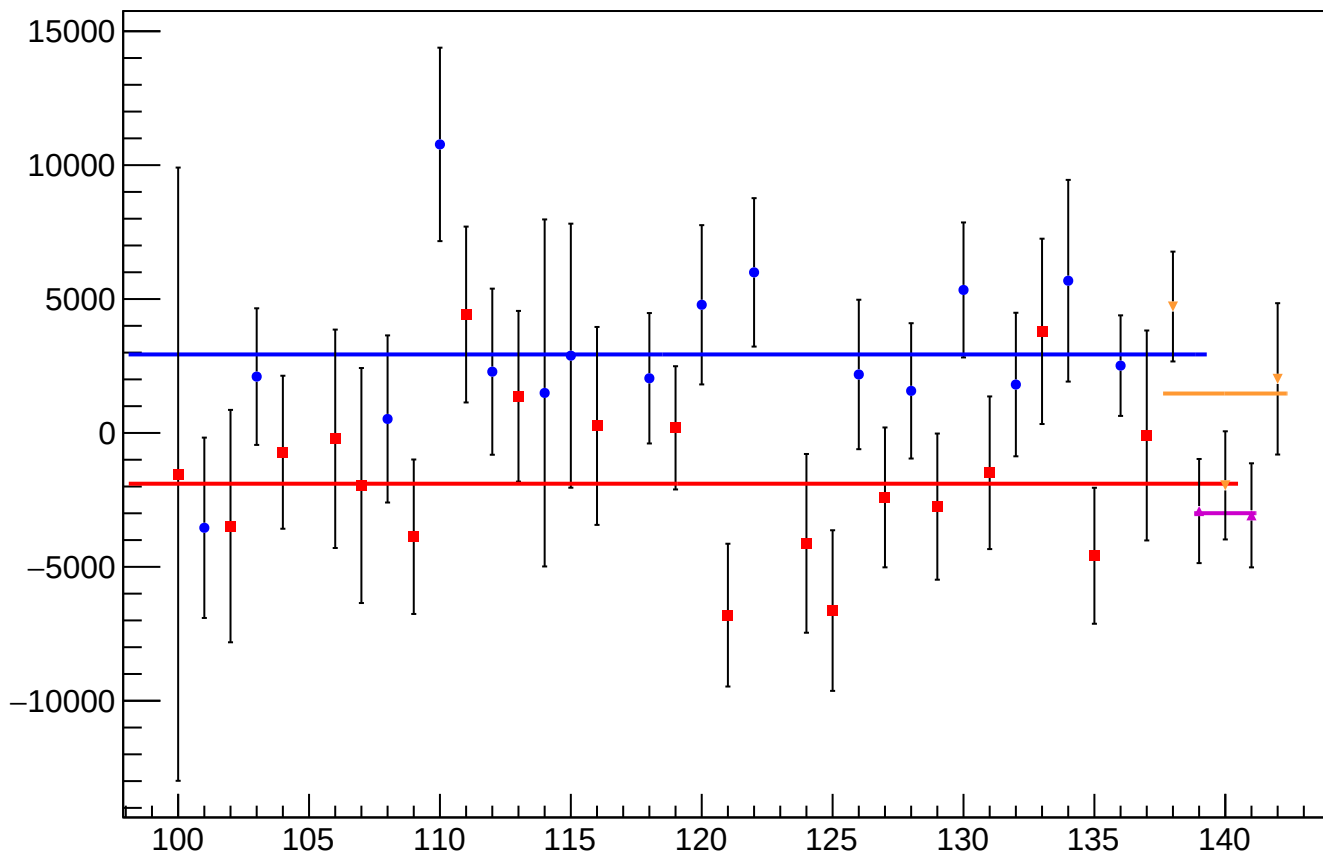
Left In: 4963.769+/-2.684 χ^2/NDF : 17880.6/1

+ sign 2447.674+/-0.721 χ^2/NDF : 6535654.6/18

All: 2068.853+/-0.451 χ^2/NDF : 15292469.7/3

- sign 1826.267+/-0.577 χ^2/NDF : 8304149.4/20

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693 $\pm$ 718.305 χ^2/NDF : 13.0/15

Left Out: 1472.233 $\pm$ 1282.105 χ^2/NDF : 5.4/2

Right Out: -1895.508 $\pm$ 721.953 χ^2/NDF : 17.4/18

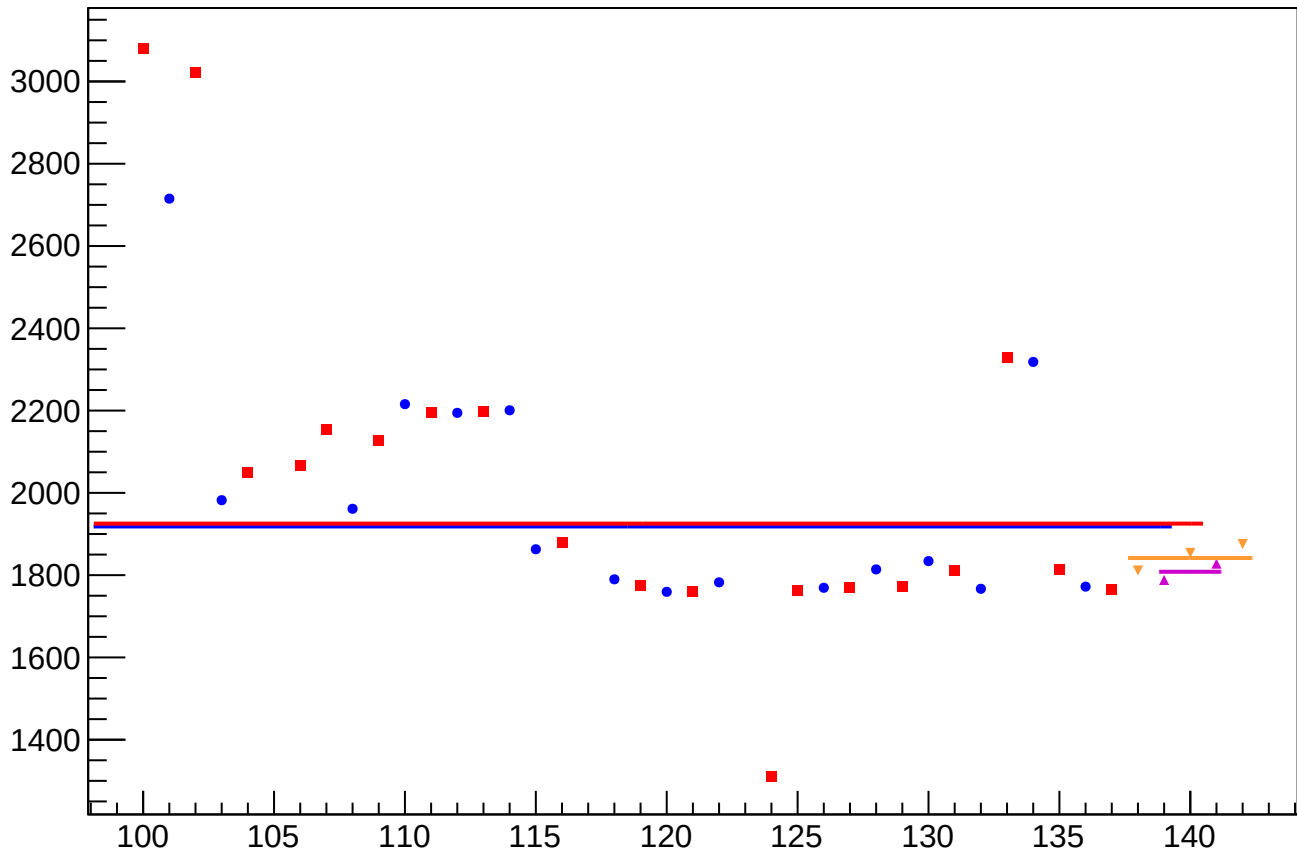
Left In: -2996.144 $\pm$ 1374.327 χ^2/NDF : 0.0/1

+ sign 2583.030 $\pm$ 626.658 χ^2/NDF : 19.4/18

All: 271.224 $\pm$ 447.459 χ^2/NDF : 65.1/39

- sign -2133.546 $\pm$ 639.133 χ^2/NDF : 17.9/20

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF : 215592.7/15

Left Out: 1841.764+/-0.907 χ^2/NDF : 807.7/2

Right Out: 1925.259+/-0.510 χ^2/NDF : 339094.4/18

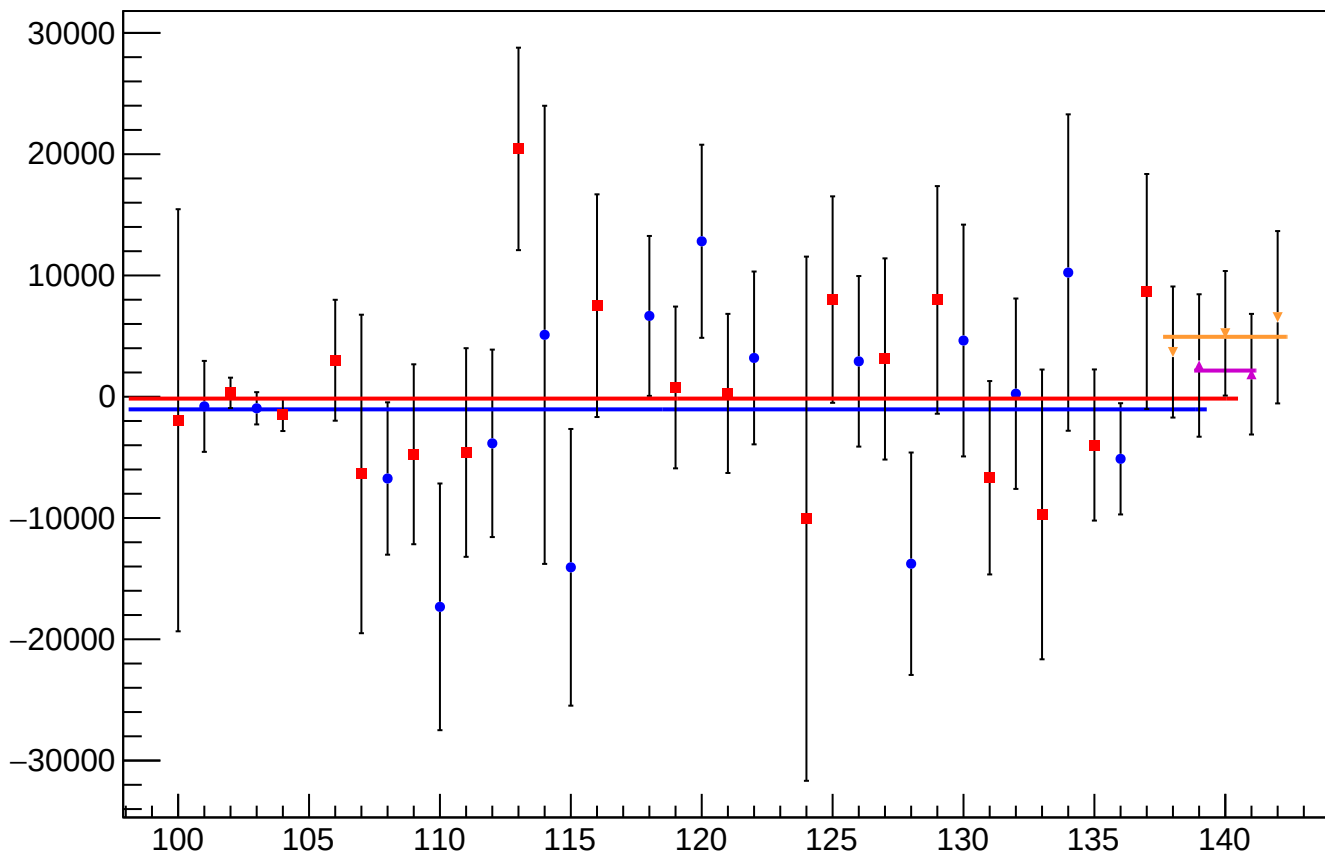
Left In: 1808.216+/-0.972 χ^2/NDF : 416.3/1

+ sign 1900.067+/-0.443 χ^2/NDF : 221834.3/18

All: 1900.023+/-0.316 χ^2/NDF : 572717.7/39

- sign 1899.978+/-0.452 χ^2/NDF : 350883.4/20

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906 $\pm$ 1072.405 χ^2 /NDF: 13.8/15

Left Out: 4941.024 $\pm$ 3297.791 χ^2 /NDF: 0.1/2

Right Out: -153.614 $\pm$ 835.655 χ^2 /NDF: 13.7/18

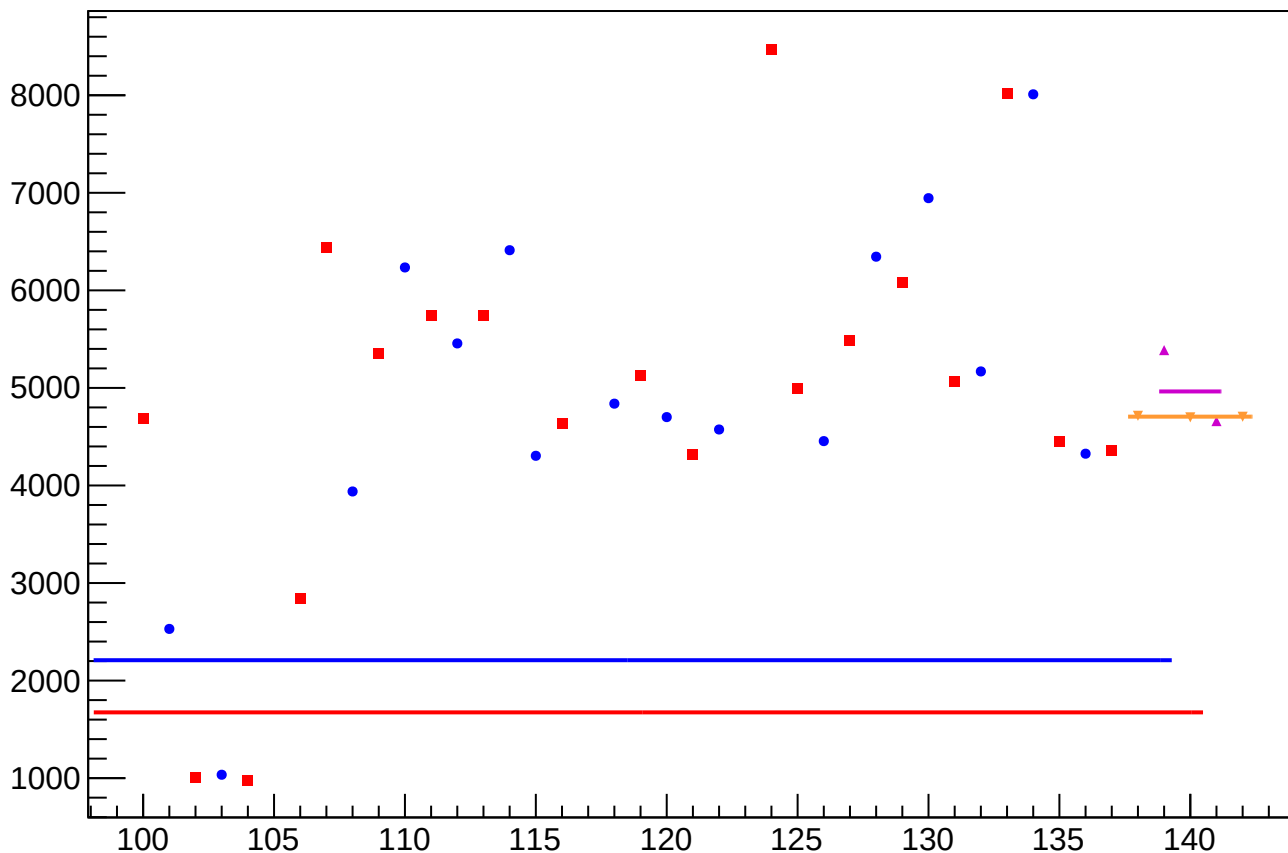
Left In: 2157.892 $\pm$ 3795.315 χ^2 /NDF: 0.0/1

+ sign -469.730 $\pm$ 1019.837 χ^2 /NDF: 16.9/18

All: -211.865 $\pm$ 637.200 χ^2 /NDF: 31.1/39

- sign -46.735 $\pm$ 816.107 χ^2 /NDF: 14.1/20

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF : 5499004.2/15

Left Out: 4705.514+/-2.332 χ^2/NDF : 9.2/2

Right Out: 1674.162+/-0.591 χ^2/NDF : 6853204.8/18

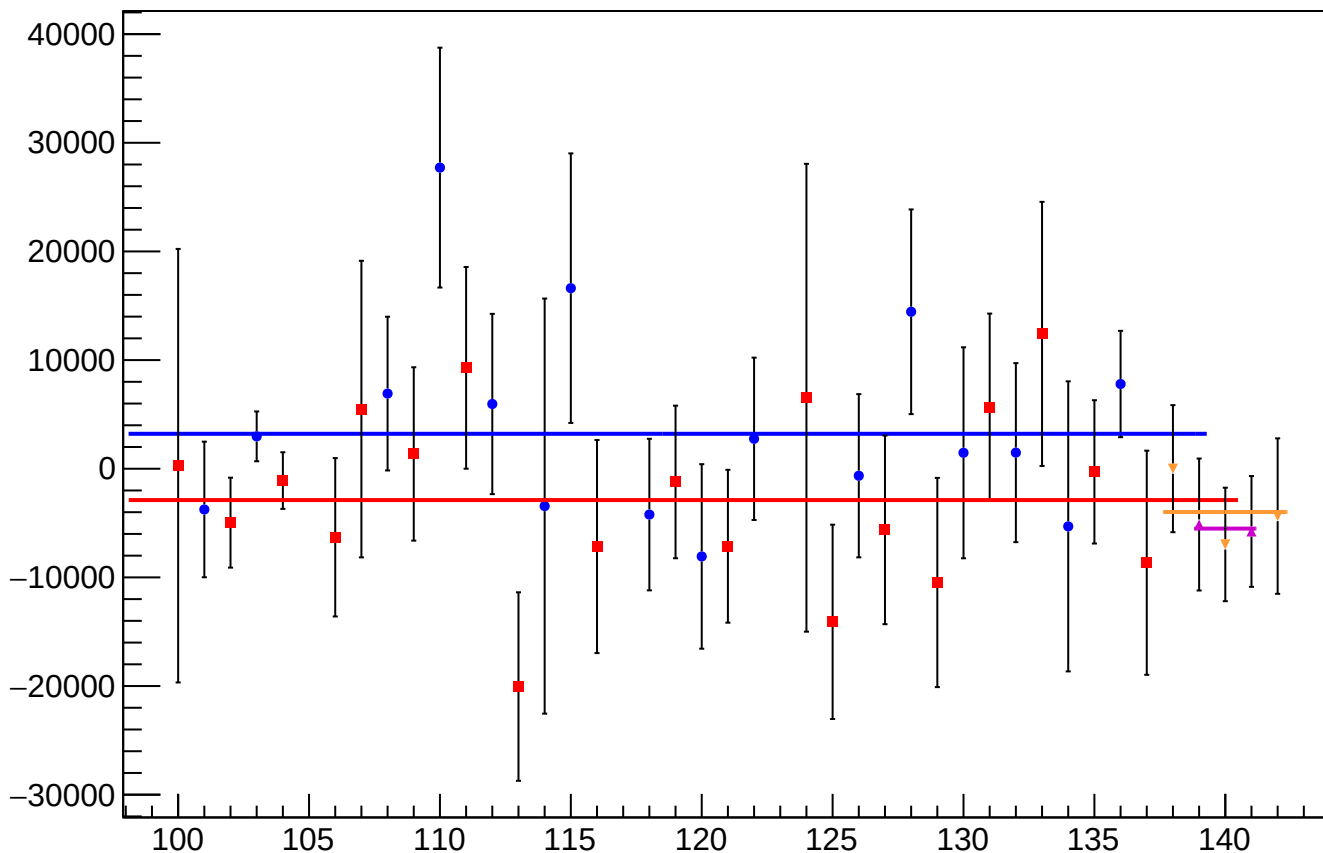
Left In: 4963.773+/-2.684 χ^2/NDF : 17881.1/1

+ sign 2447.673+/-0.721 χ^2/NDF : 6535649.6/18

All: 2068.853+/-0.451 χ^2/NDF : 15292458.3/3

- sign 1826.267+/-0.577 χ^2/NDF : 8304143.2/20

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695 $\pm$ 1539.262 χ^2 /NDF: 13.8/15

Left Out: -3984.025 $\pm$ 3421.353 χ^2 /NDF: 0.8/2

Right Out: -2883.411 $\pm$ 1552.120 χ^2 /NDF: 13.4/18

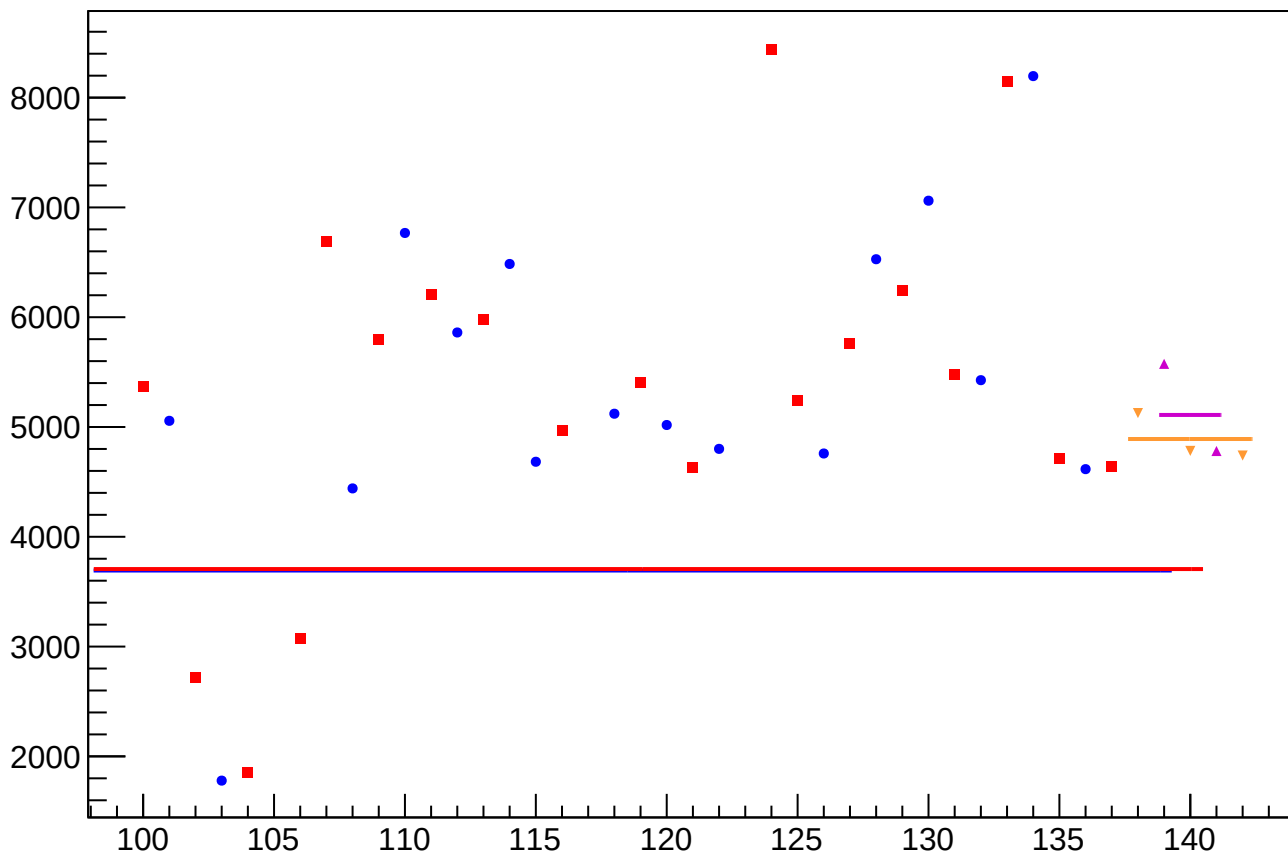
Left In: -5508.728 $\pm$ 3904.735 χ^2 /NDF: 0.0/1

+ sign 2003.723 $\pm$ 1403.739 χ^2 /NDF: 18.3/18

All: -547.805 $\pm$ 1005.966 χ^2 /NDF: 38.9/39

- sign -3241.622 $\pm$ 1442.349 χ^2 /NDF: 13.8/20

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF : 2885658.0/15

Left Out: 4890.630+/-2.419 χ^2/NDF : 5009.2/2

Right Out: 3706.081+/-1.087 χ^2/NDF : 2684528.0/18

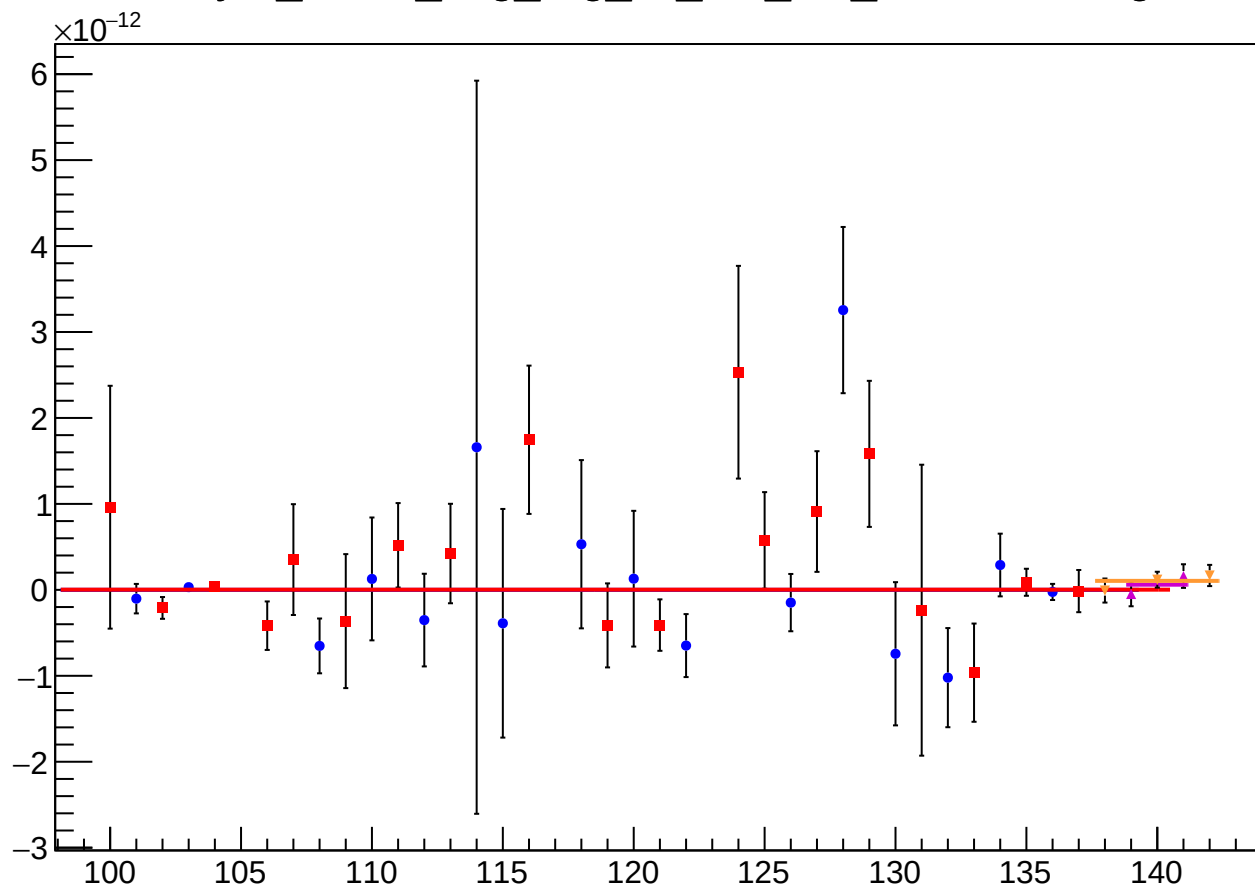
Left In: 5109.757+/-2.761 χ^2/NDF : 20051.1/1

+ sign 3894.451+/-0.993 χ^2/NDF : 3094541.0/18

All: 3894.382+/-0.708 χ^2/NDF : 6022914.5/39

- sign 3894.311+/-1.011 χ^2/NDF : 2928373.5/20

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.2/18

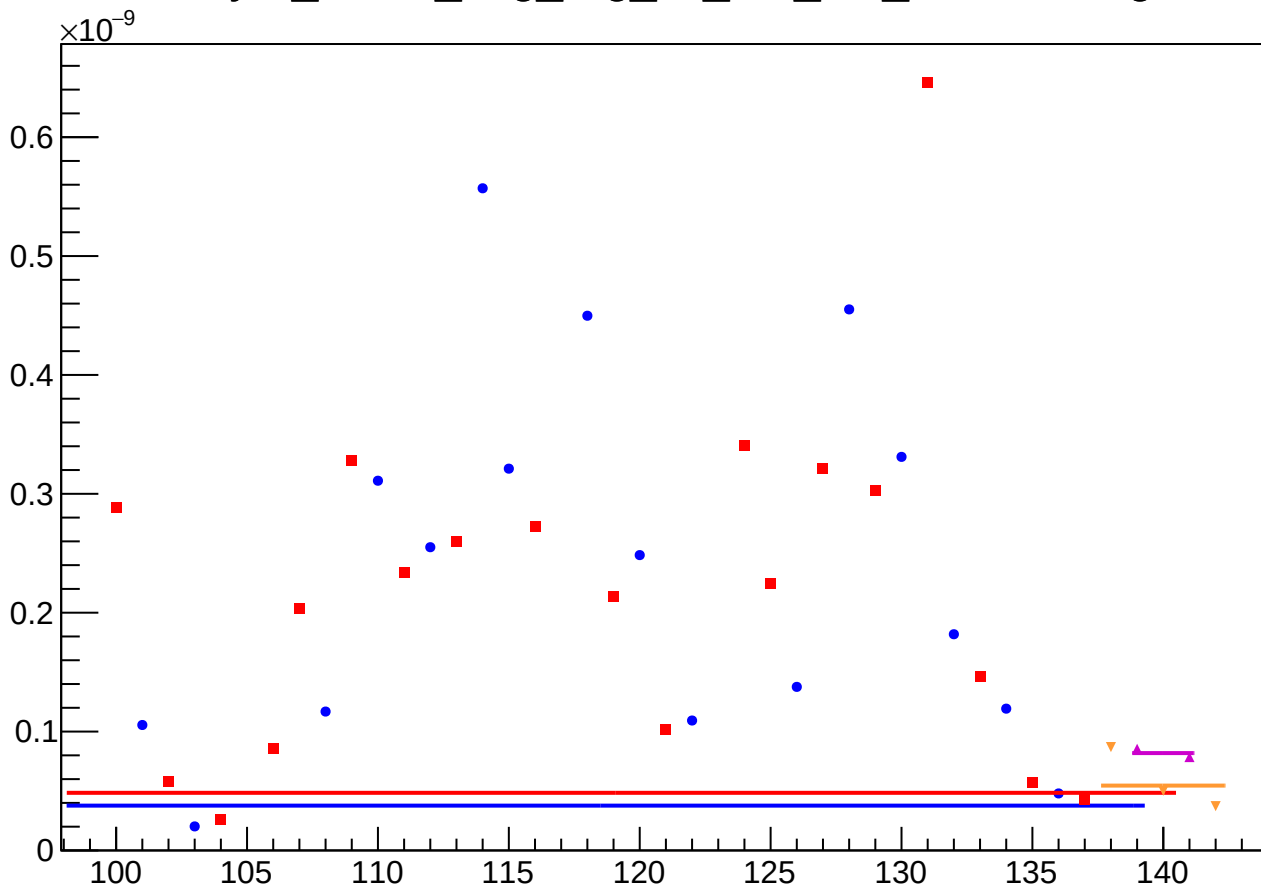
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.3/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 57.9/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/20

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 :151159.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2895431.5/18

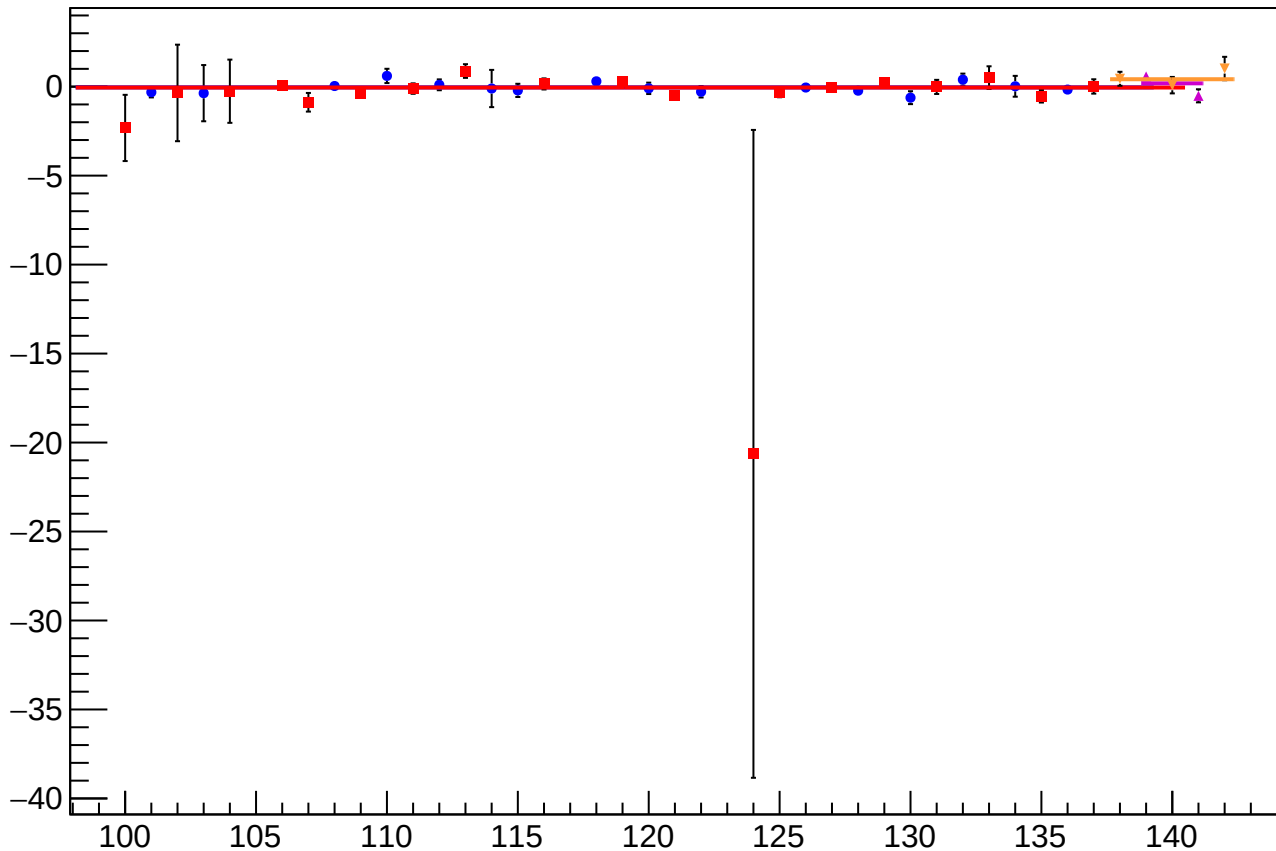
Left In: 0.000+/-0.000 χ^2/NDF :2465.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 3393515.0/18

All: 0.000+/-0.000 χ^2/NDF : 6596685.0/39

- sign 0.000+/-0.000 χ^2/NDF : 3086810.2/20

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041 ± 0.078 χ^2/NDF : 11.7/15

Left Out: 0.417 ± 0.272 χ^2/NDF : 1.4/2

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

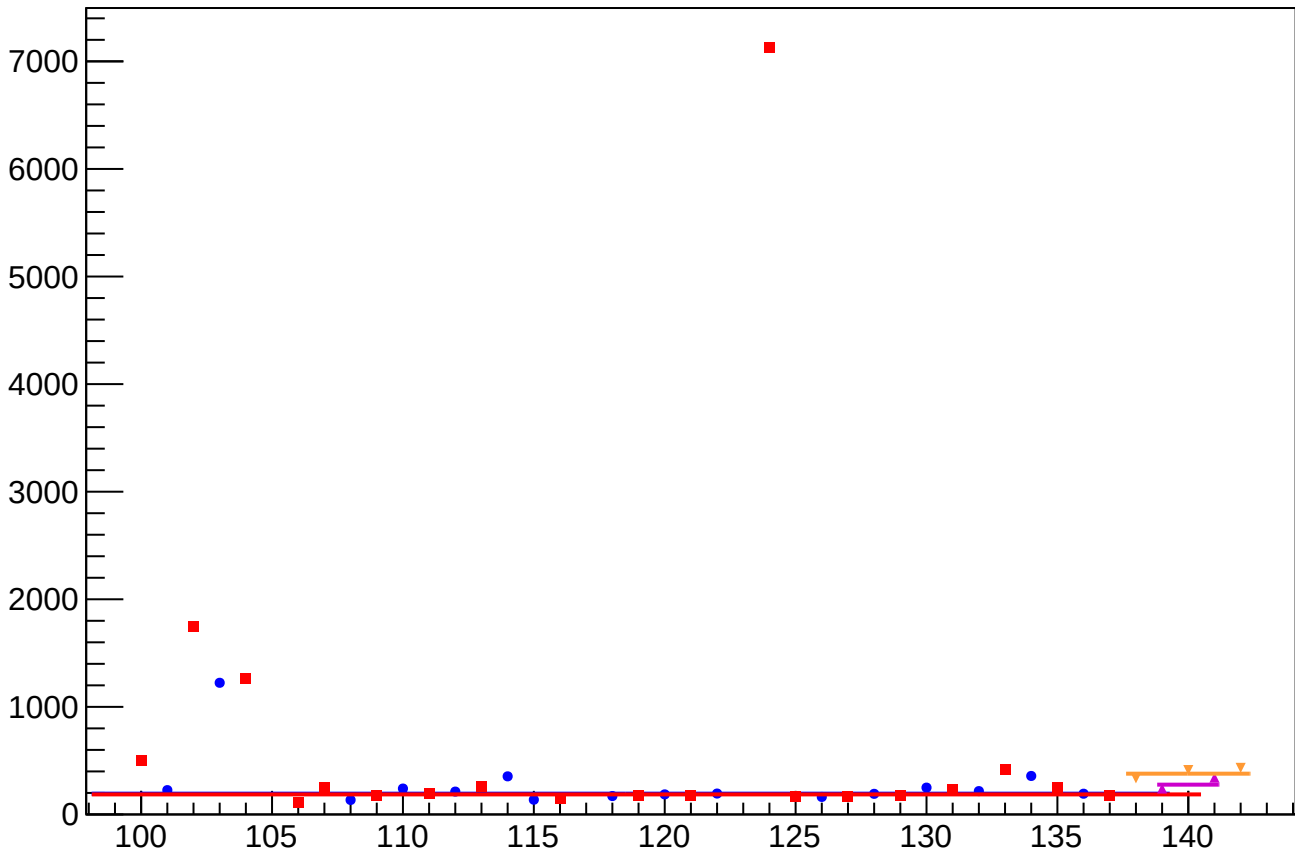
Left In: 0.187 ± 0.219 χ^2/NDF : 5.6/1

+ sign -0.007 ± 0.075 χ^2/NDF : 15.7/18

All: -0.014 ± 0.053 χ^2/NDF : 45.4/39

- sign -0.022 ± 0.074 χ^2/NDF : 29.7/20

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: 379.026 $\pm$ 0.193 χ^2 /NDF: 48472.2/2

Right Out: 186.379 $\pm$ 0.056 χ^2 /NDF: 2479083.9/18

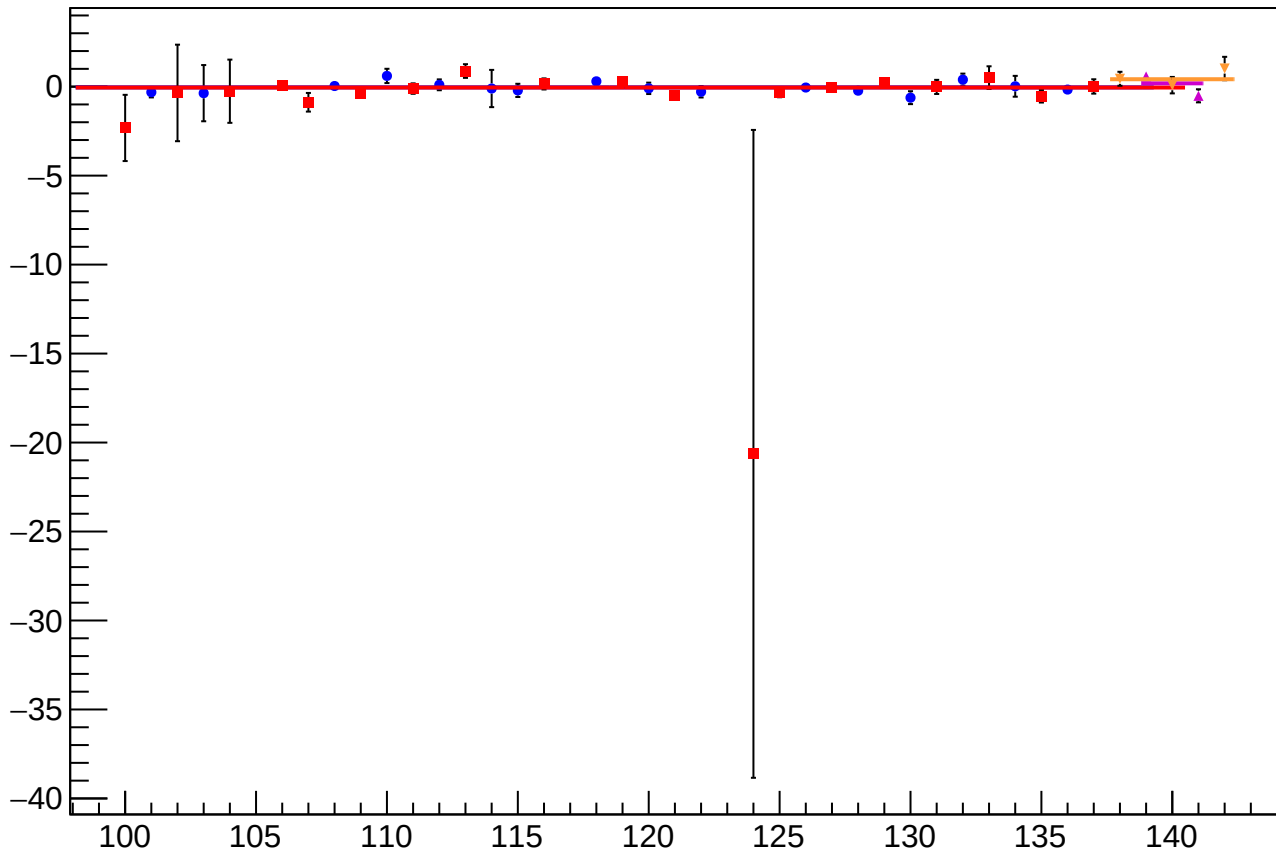
Left In: 276.967 $\pm$ 0.155 χ^2 /NDF: 97914.6/1

+ sign 207.257 $\pm$ 0.053 χ^2 /NDF: 2317806.5/18

All: 201.967 $\pm$ 0.037 χ^2 /NDF: 5217811.6/39

- sign 196.766 $\pm$ 0.052 χ^2 /NDF: 2880148.4/20

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: 0.417 ± 0.272 χ^2/NDF : 1.4/2

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

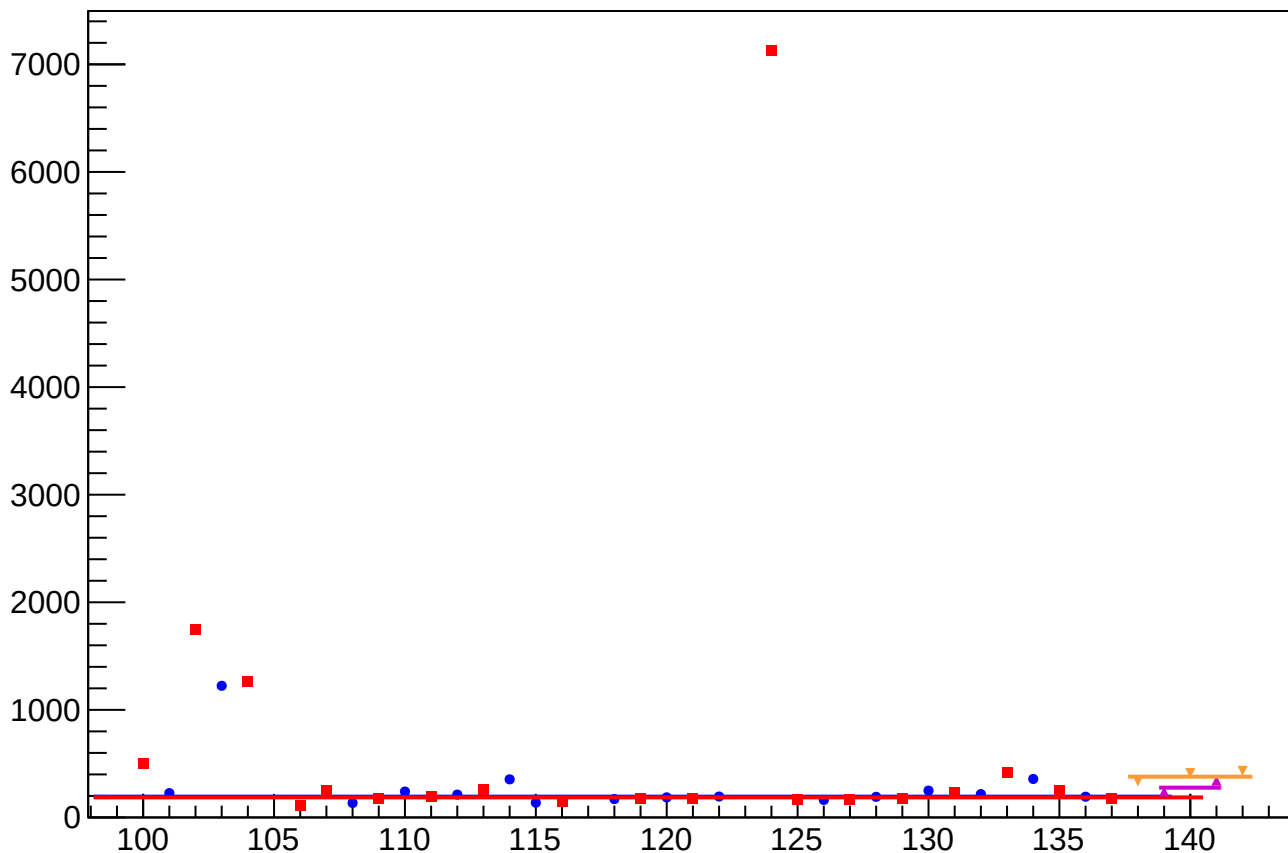
Left In: 0.187 ± 0.219 χ^2/NDF : 5.6/1

+ sign -0.007 ± 0.075 χ^2/NDF : 15.7/18

All: -0.014 ± 0.053 χ^2/NDF : 45.4/39

- sign -0.022 ± 0.074 χ^2/NDF : 29.7/20

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248 $\pm$ 0.055 χ^2 /NDF: 1408397.0/15

Left Out: 379.026 $\pm$ 0.193 χ^2 /NDF: 48472.2/2

Right Out: 186.379 $\pm$ 0.056 χ^2 /NDF: 2479083.9/18

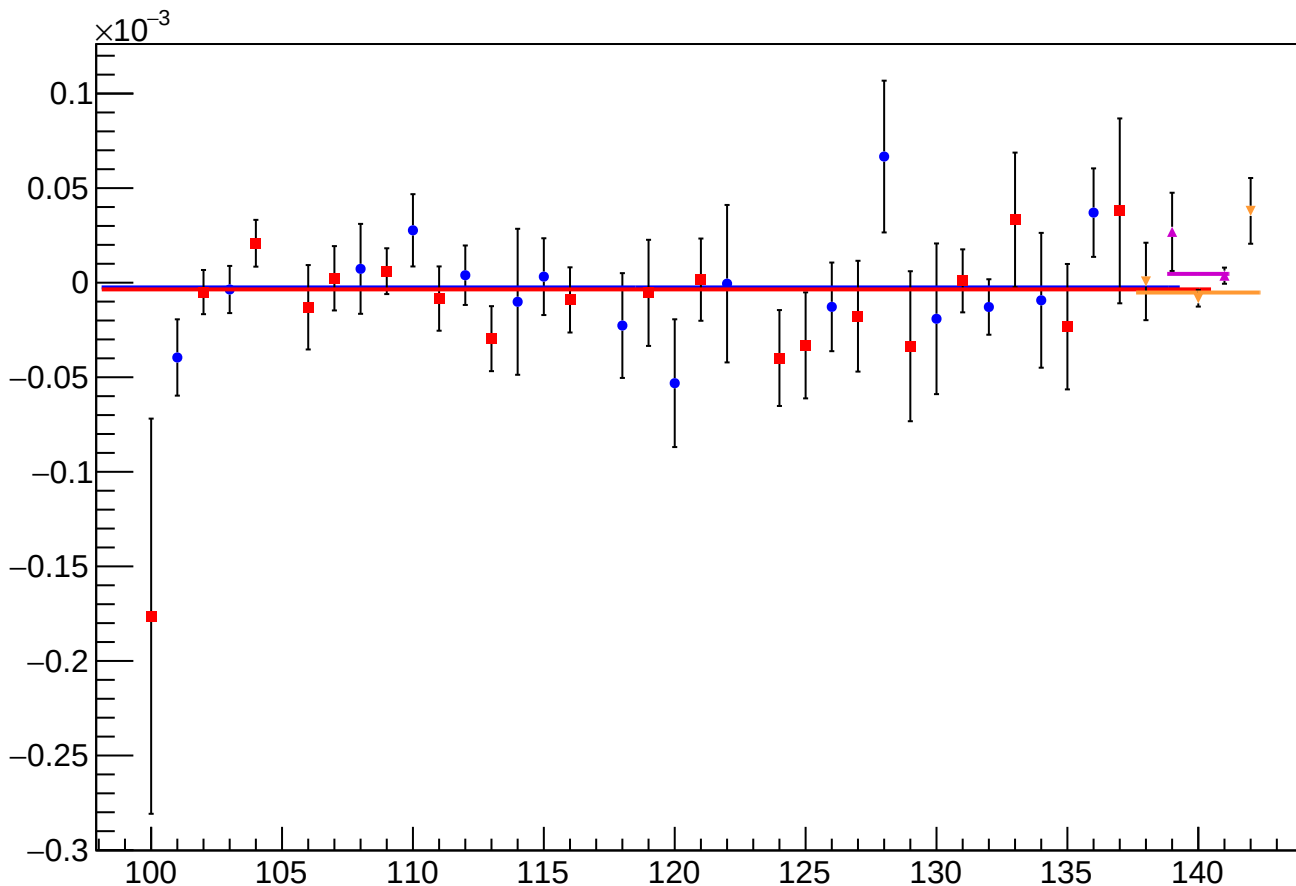
Left In: 276.967 $\pm$ 0.155 χ^2 /NDF: 97914.6/1

+ sign 207.257 $\pm$ 0.053 χ^2 /NDF: 2317806.5/18

All: 201.967 $\pm$ 0.037 χ^2 /NDF: 5217811.6/39

- sign 196.766 $\pm$ 0.052 χ^2 /NDF: 2880148.4/20

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 : 6.7/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 16.3/18

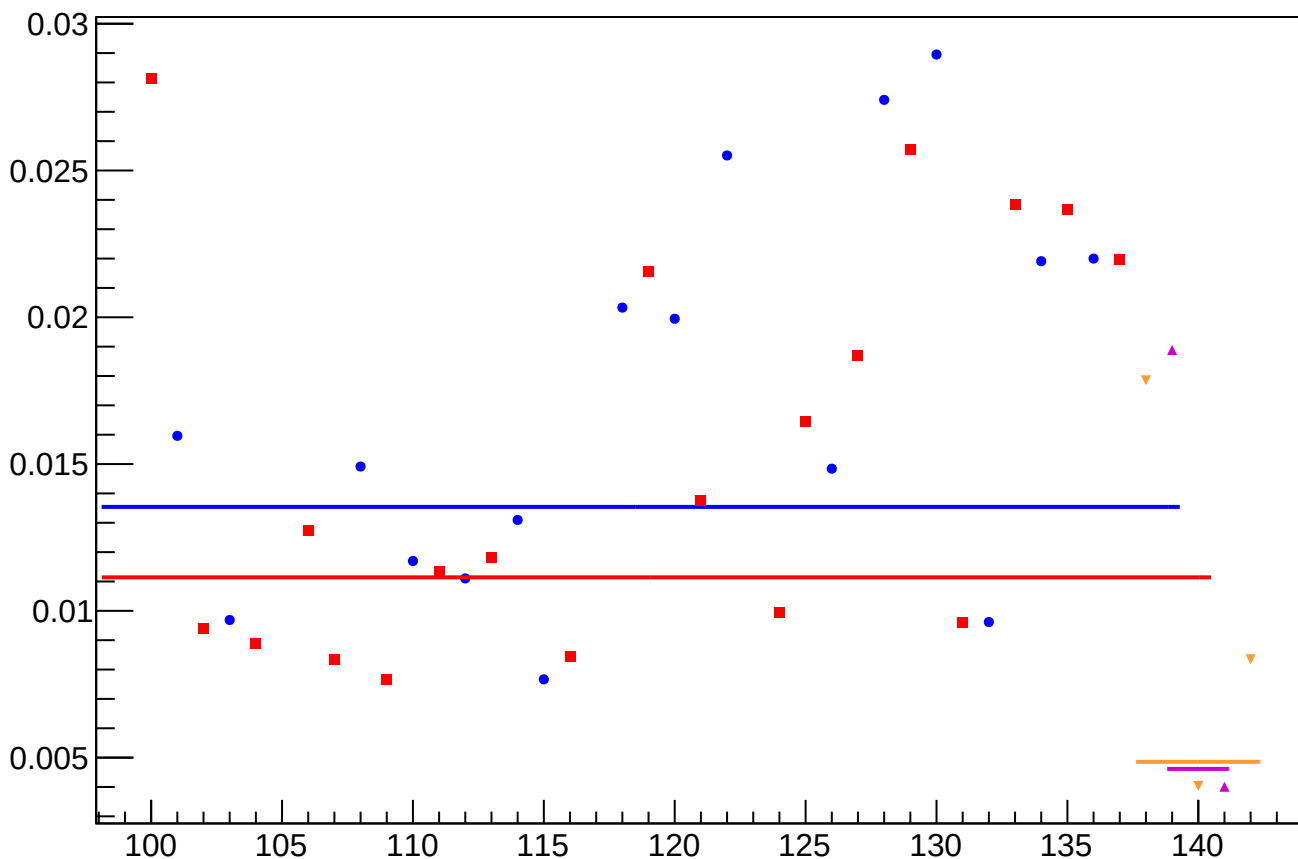
Left In: 0.000 ± 0.000 χ^2/NDF : 1.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 22.7/18

All: -0.000 ± 0.000 χ^2/NDF : 43.3/39

- sign 0.000 ± 0.000 χ^2/NDF : 19.3/20

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1877615.1/15

Left Out: 0.005+/-0.000 χ^2/NDF : 956444.0/2

Right Out: 0.011+/-0.000 χ^2/NDF : 1887740.8/18

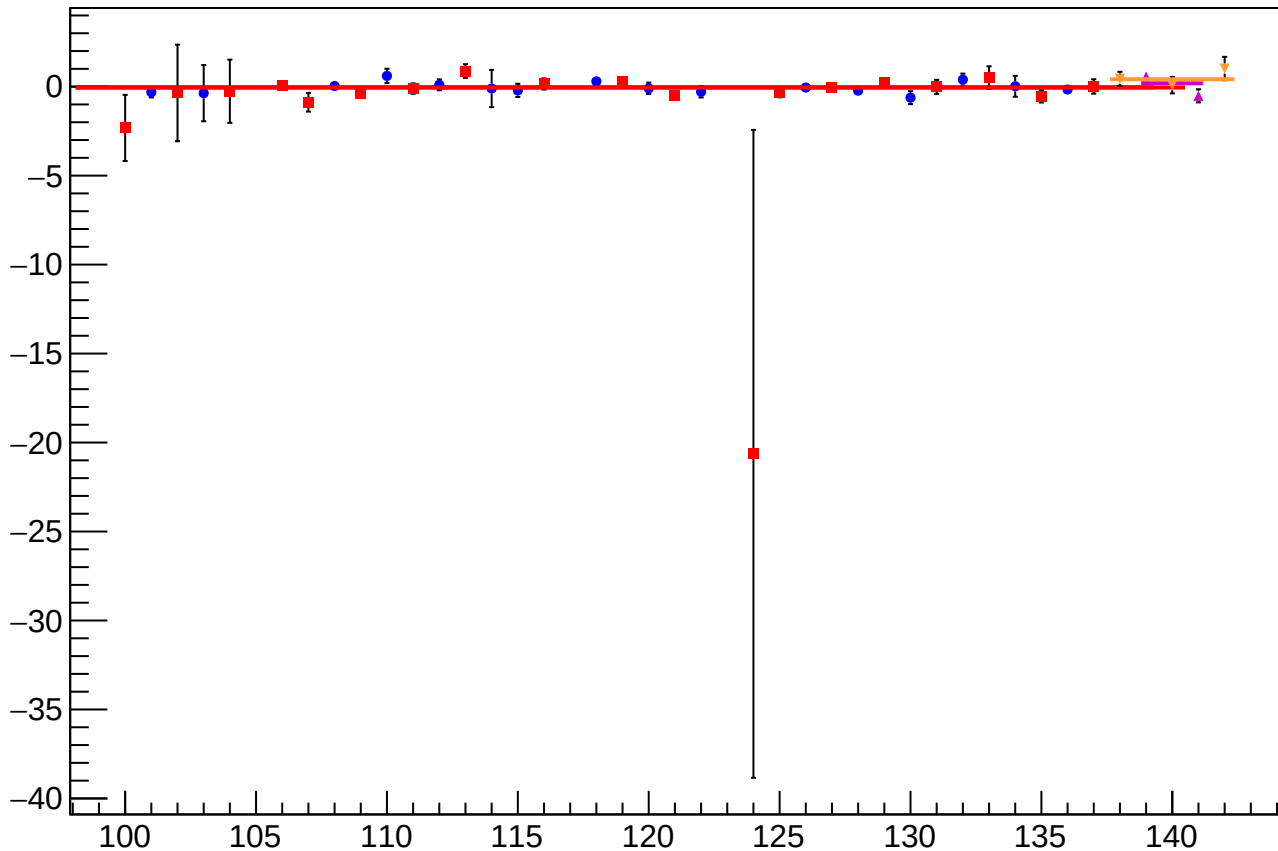
Left In: 0.005+/-0.000 χ^2/NDF : 992797.1/1

+ sign 0.008+/-0.000 χ^2/NDF : 6032215.4/18

All: 0.008+/-0.000 χ^2/NDF : 11206274.8/39

- sign 0.008+/-0.000 χ^2/NDF : 5158082.0/20

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: 0.417 ± 0.272 χ^2/NDF : 1.4/2

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

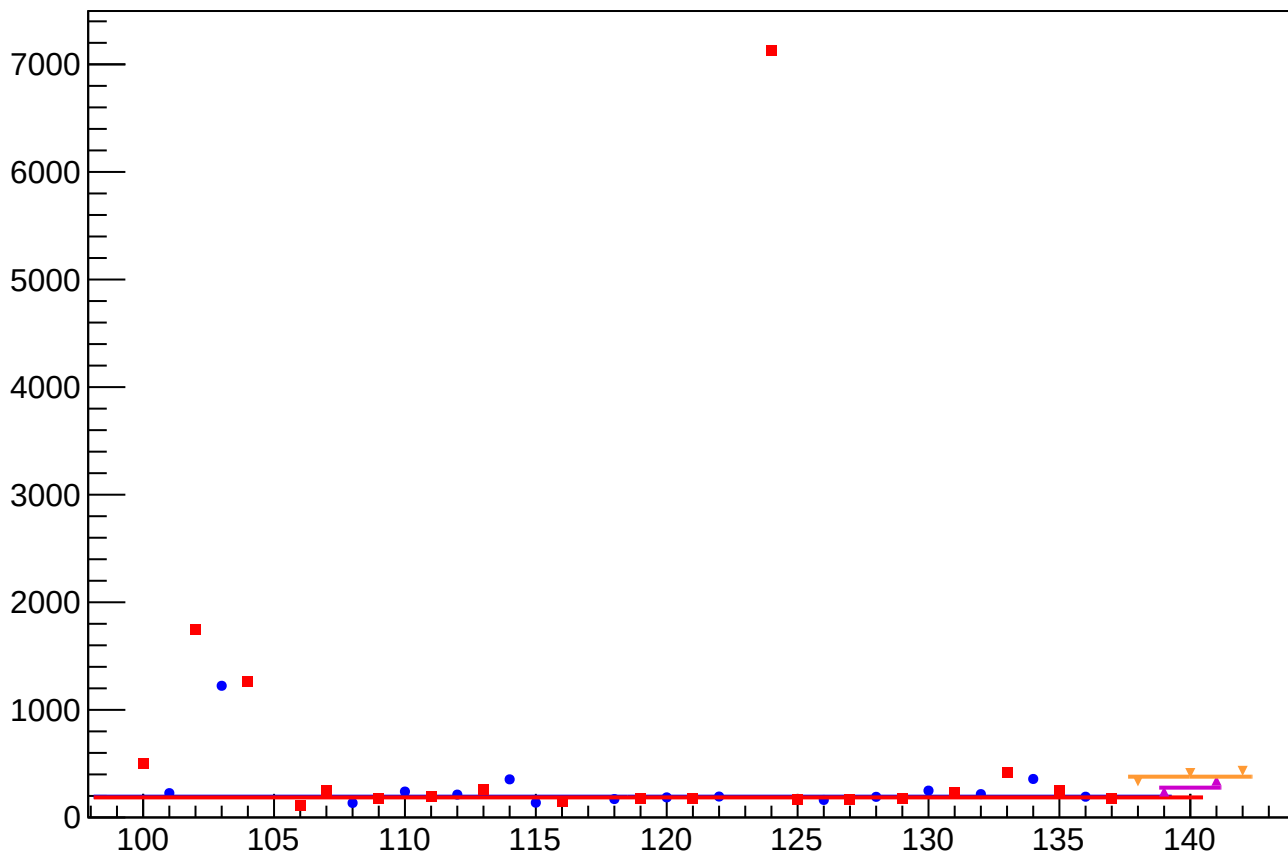
Left In: 0.187 ± 0.219 χ^2/NDF : 5.6/1

+ sign -0.007 ± 0.075 χ^2/NDF : 15.7/18

All: -0.014 ± 0.053 χ^2/NDF : 45.4/39

- sign -0.022 ± 0.074 χ^2/NDF : 29.7/20

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.247 $\pm$ 0.055 χ^2 /NDF: 1408390.6/15

Left Out: 379.029 $\pm$ 0.193 χ^2 /NDF: 48466.0/2

Right Out: 186.376 $\pm$ 0.056 χ^2 /NDF: 2479113.1/18

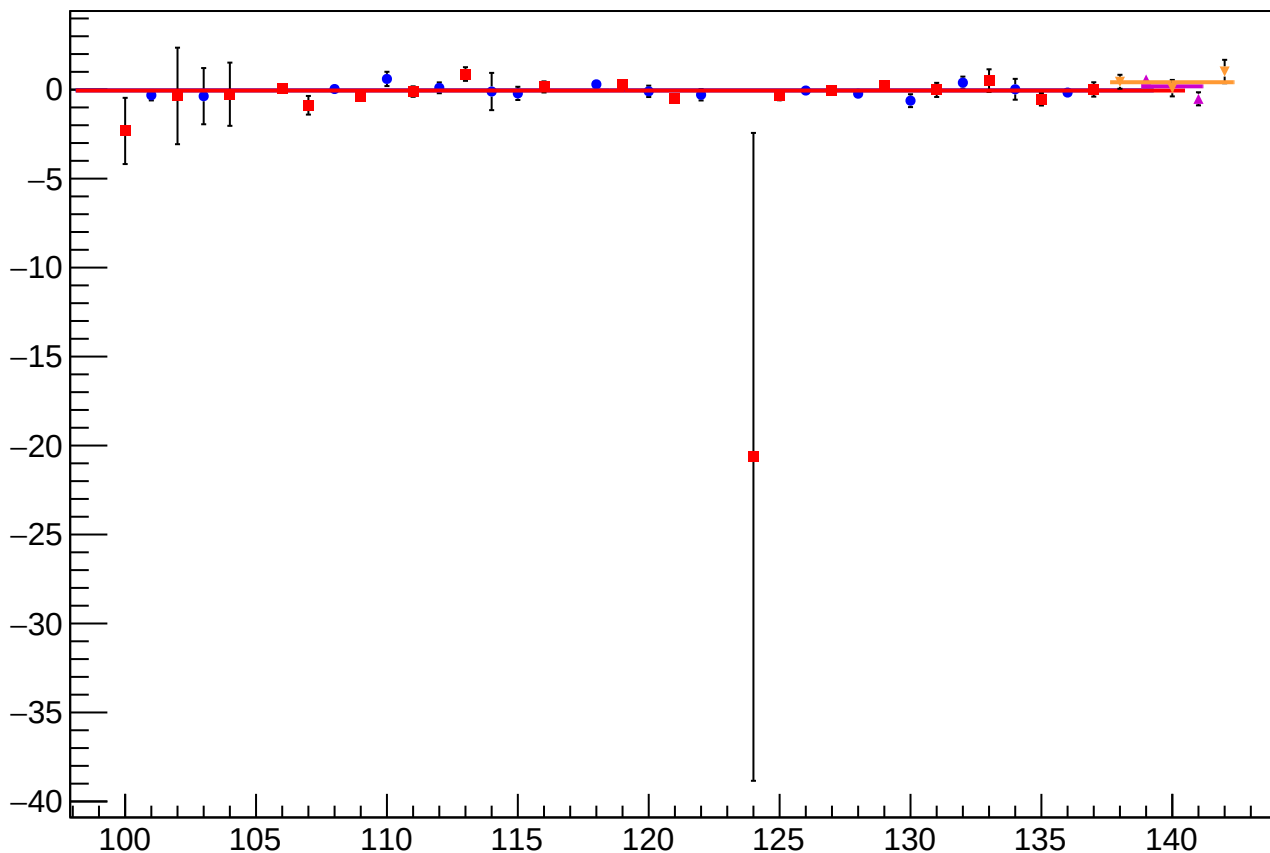
Left In: 276.971 $\pm$ 0.155 χ^2 /NDF: 97901.9/1

+ sign 207.256 $\pm$ 0.053 χ^2 /NDF: 2317825.3/18

All: 201.966 $\pm$ 0.037 χ^2 /NDF: 5217883.8/39

- sign 196.764 $\pm$ 0.052 χ^2 /NDF: 2880200.0/20

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: 0.417 ± 0.272 χ^2/NDF : 1.4/2

Right Out: -0.049 ± 0.079 χ^2/NDF : 23.0/18

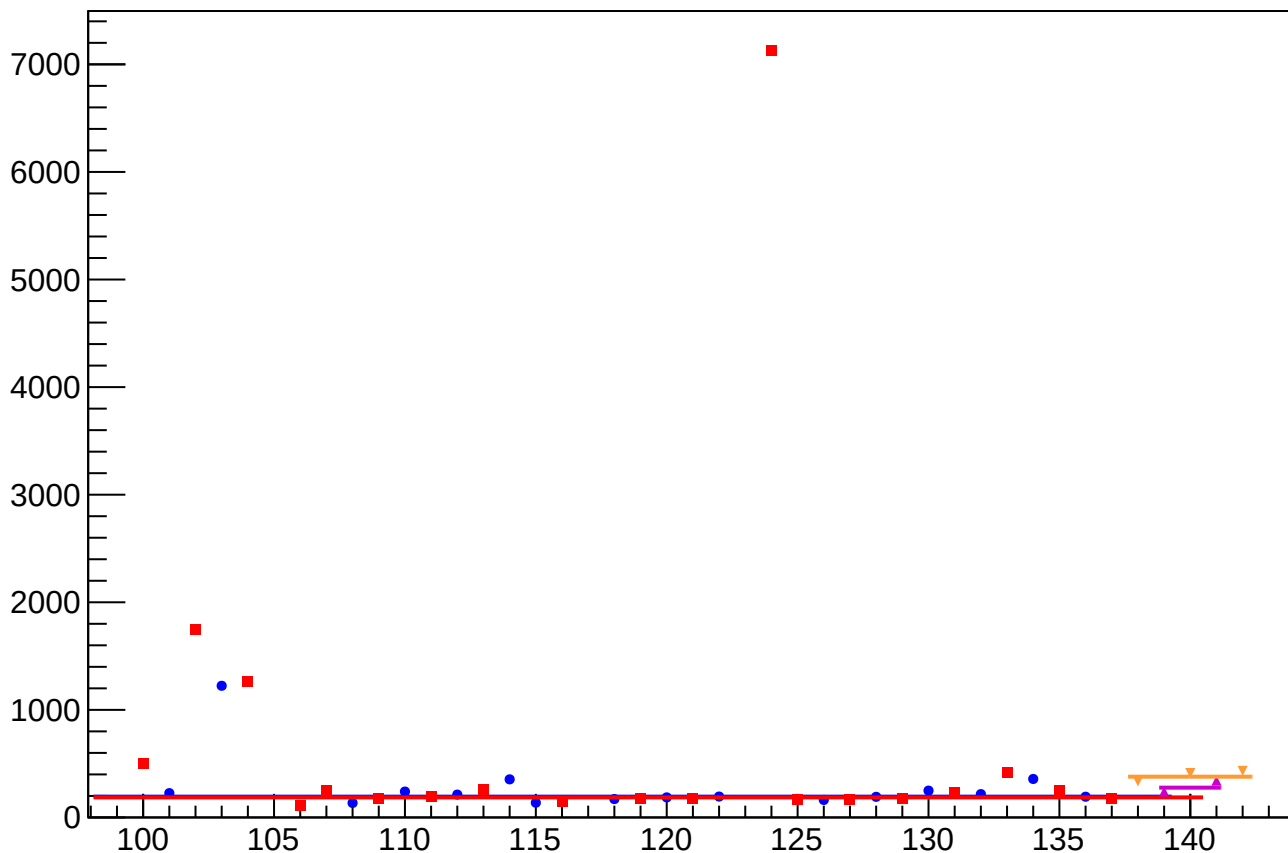
Left In: 0.187 ± 0.219 χ^2/NDF : 5.6/1

+ sign -0.007 ± 0.075 χ^2/NDF : 15.7/18

All: -0.014 ± 0.053 χ^2/NDF : 45.4/39

- sign -0.022 ± 0.074 χ^2/NDF : 29.7/20

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF : 1408390.6/15

Left Out: 379.029+/-0.193 χ^2/NDF : 48466.0/2

Right Out: 186.376+/-0.056 χ^2/NDF : 2479113.1/18

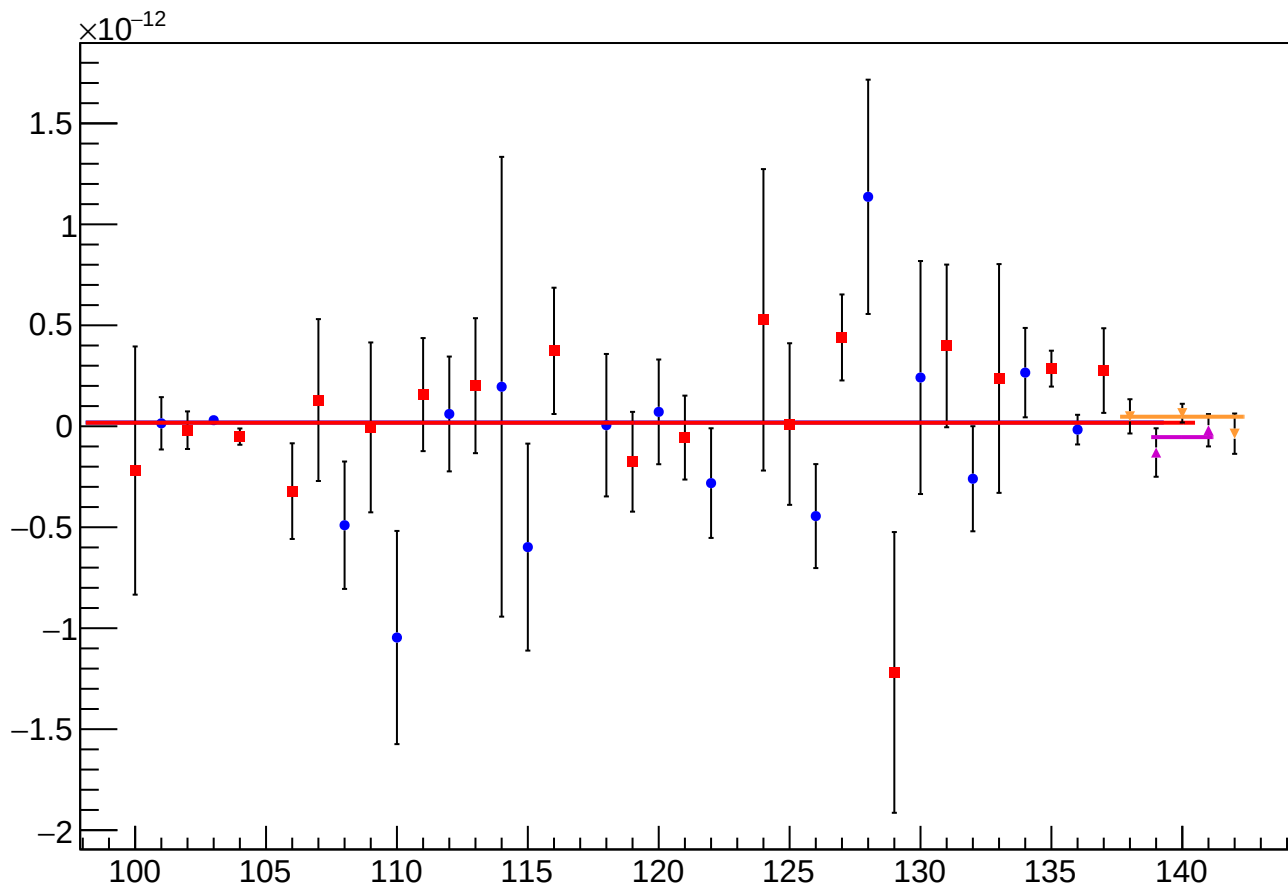
Left In: 276.971+/-0.155 χ^2/NDF : 97901.9/1

+ sign 207.256+/-0.053 χ^2/NDF : 2317825.3/18

All: 201.966+/-0.037 χ^2/NDF : 5217883.8/39

- sign 196.764+/-0.052 χ^2/NDF : 2880200.0/20

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.1/18

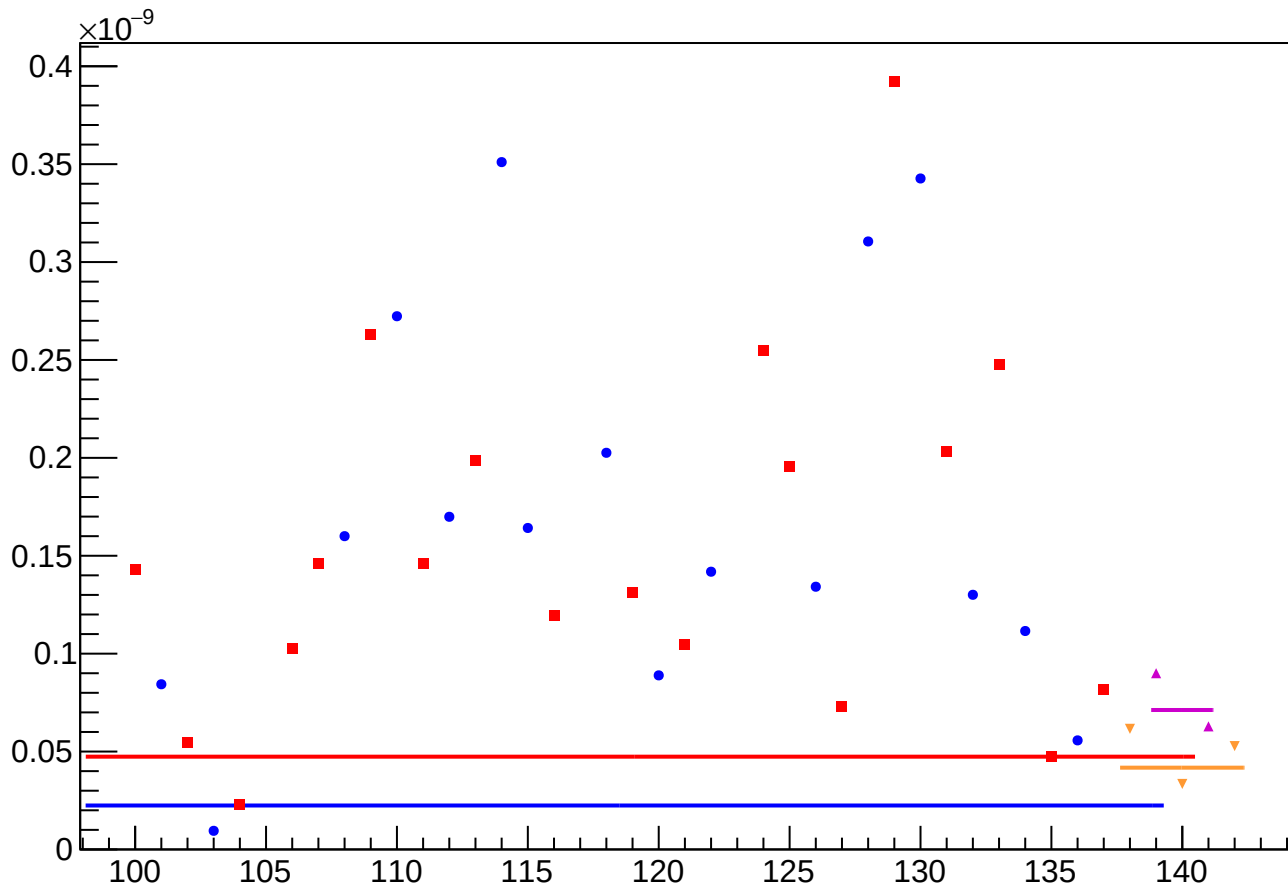
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.7/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.7/20

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 : 198019.1/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4236050.4/18

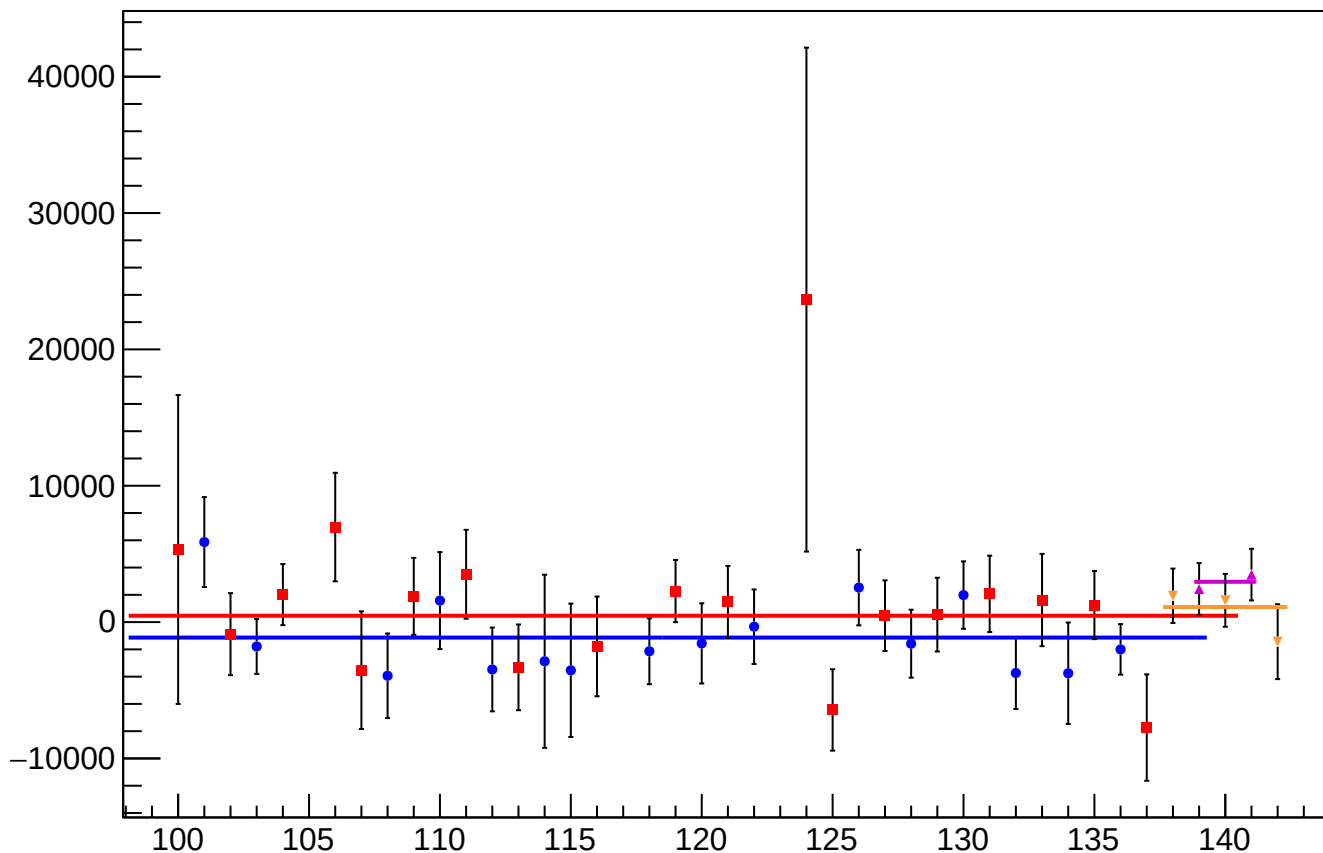
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 70835.8/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 7012861.2/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 12621079.4/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4516953.1/20

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF : 12.2/15

Left Out: 1106.981+/-1240.299 χ^2/NDF : 1.1/2

Right Out: 465.519+/-705.926 χ^2/NDF : 20.0/18

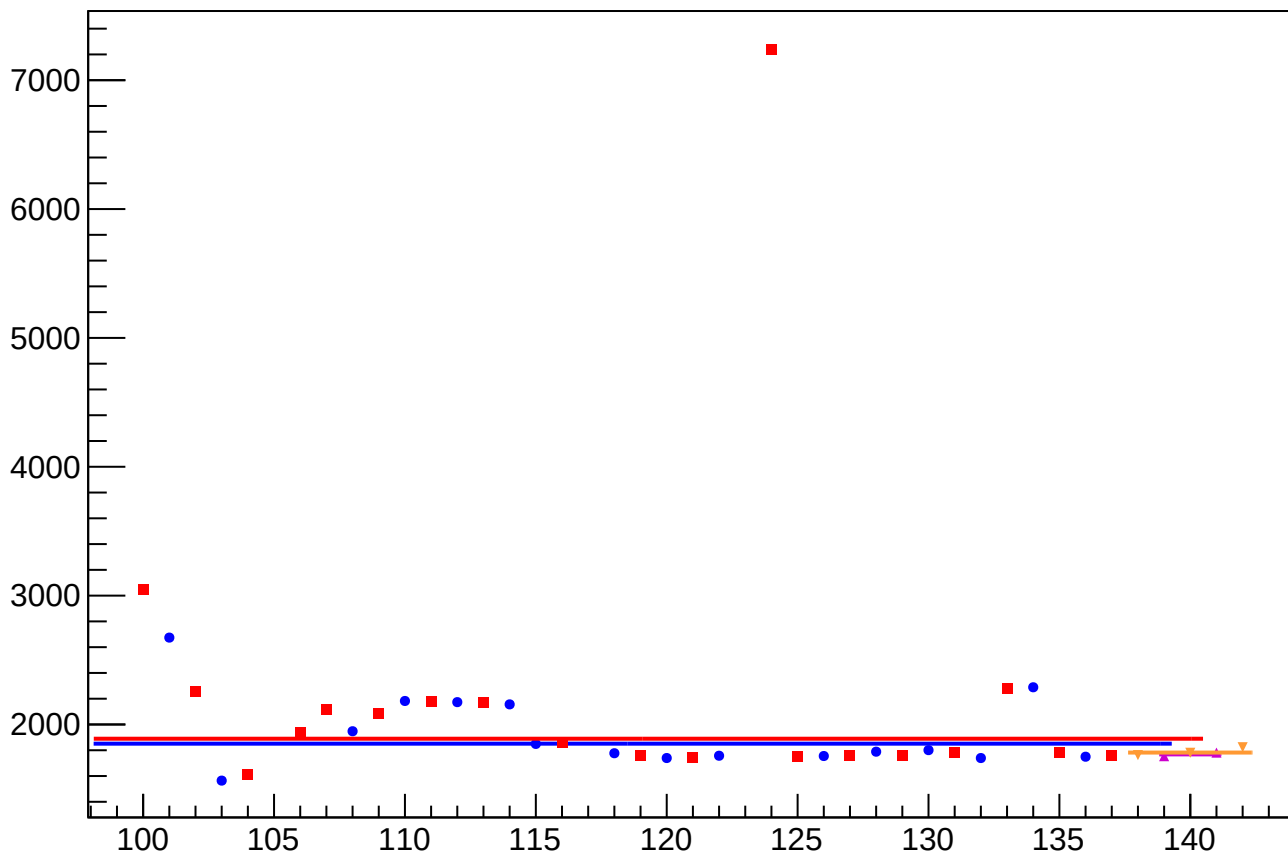
Left In: 2957.030+/-1343.467 χ^2/NDF : 0.2/1

+ sign -600.404+/-605.492 χ^2/NDF : 15.8/18

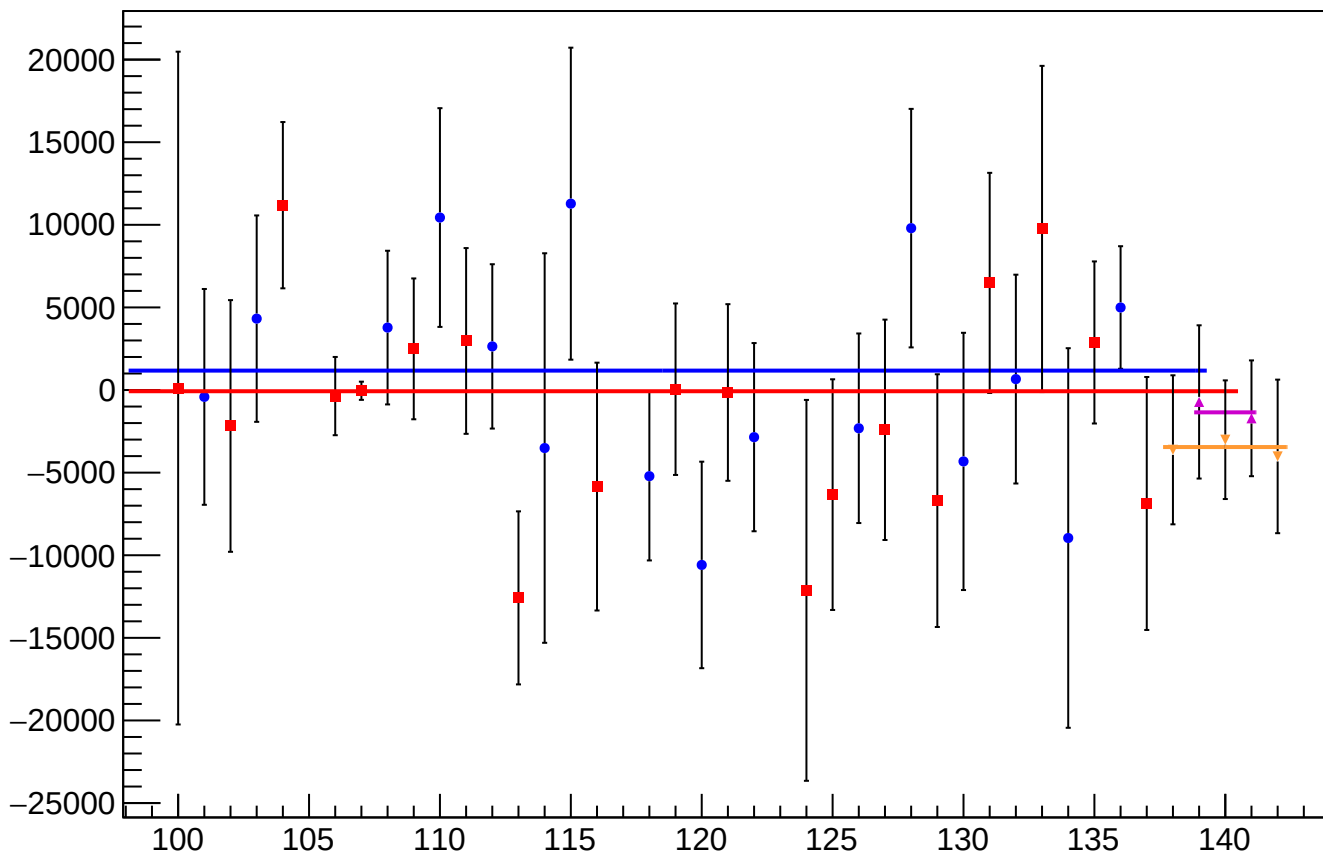
All: 176.768+/-434.850 χ^2/NDF : 42.1/39

- sign 1004.586+/-624.909 χ^2/NDF : 22.9/20

reg_asym_atl1r2_dd_rms vs Slug



asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF : 13.7/15

Left Out: -3451.308+/-2404.156 χ^2/NDF : 0.0/2

Right Out: -72.681+/-505.693 χ^2/NDF : 17.9/18

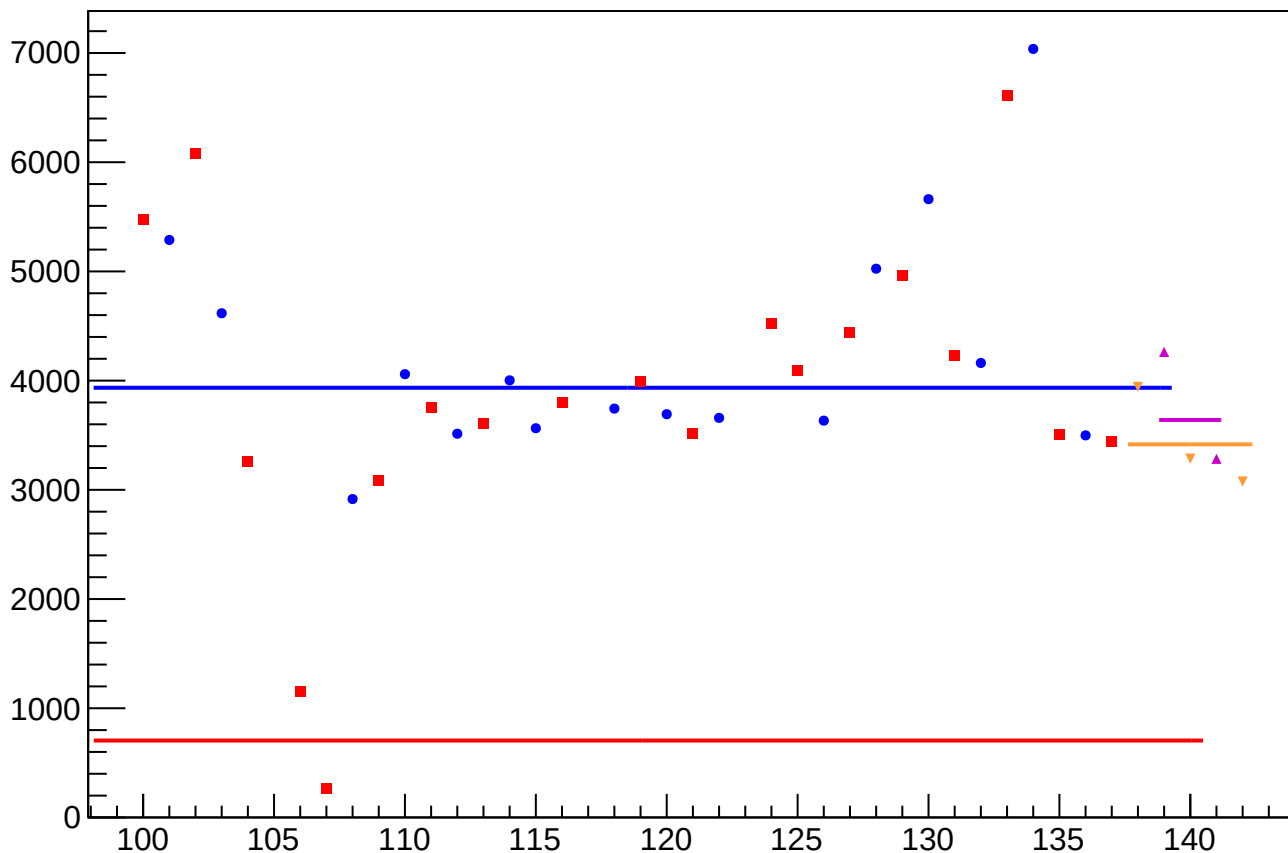
Left In: -1351.260+/-2796.007 χ^2/NDF : 0.0/1

+ sign -123.632+/-1273.914 χ^2/NDF : 16.4/18

All: -114.564+/-463.512 χ^2/NDF : 34.6/39

- sign -113.180+/-497.620 χ^2/NDF : 18.2/20

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718 $\pm$ 1.062 χ^2 /NDF: 560125.6/15

Left Out: 3416.380 $\pm$ 1.700 χ^2 /NDF: 40616.8/2

Right Out: 704.385 $\pm$ 0.358 χ^2 /NDF: 10618643.5/18

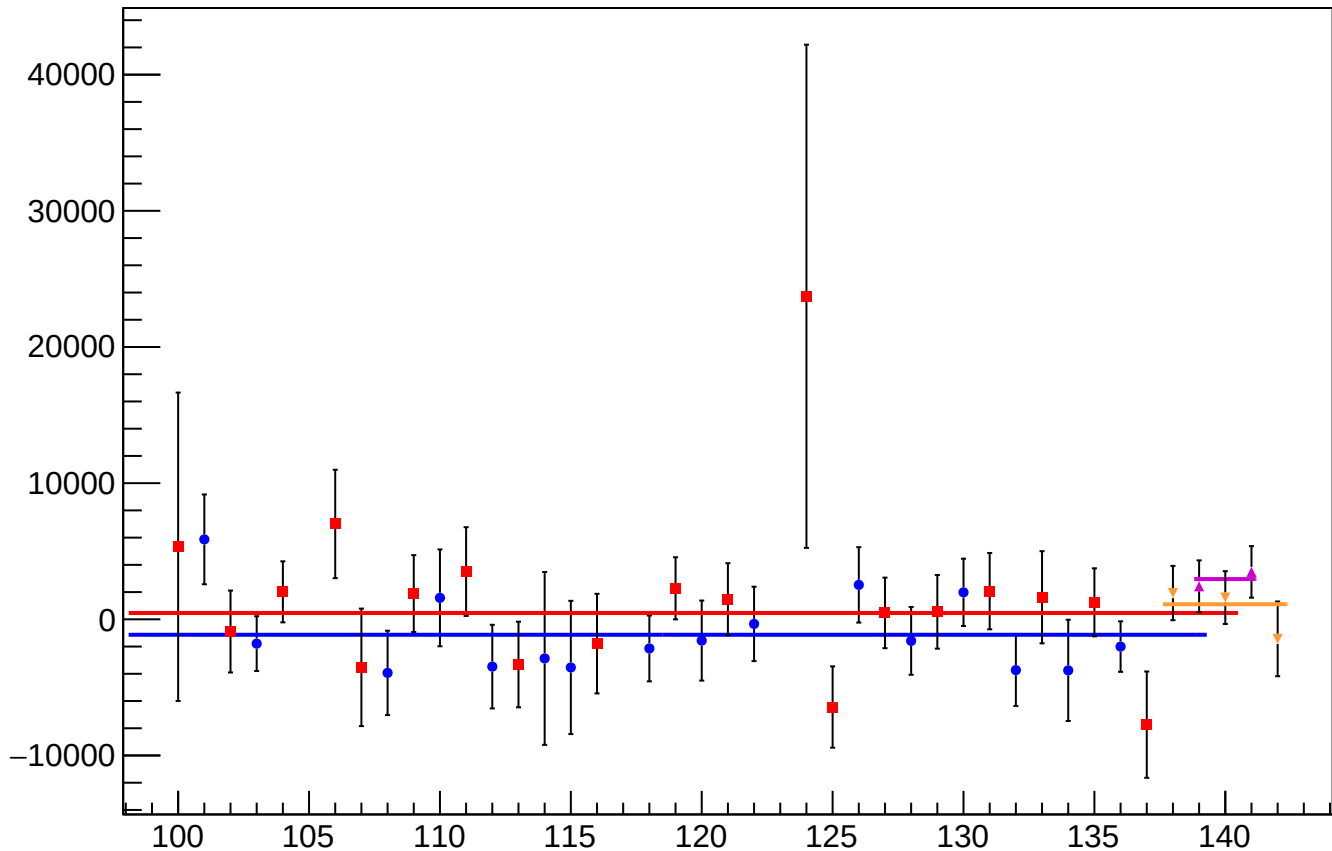
Left In: 3639.801 $\pm$ 1.977 χ^2 /NDF: 56738.4/1

+ sign 3789.183 $\pm$ 0.901 χ^2 /NDF: 667607.0/18

All: 1193.439 $\pm$ 0.328 χ^2 /NDF: 23048342.3/3

- sign 797.365 $\pm$ 0.352 χ^2 /NDF: 12809968.9/20

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF : 12.2/15

Left Out: 1107.188+/-1240.299 χ^2/NDF : 1.1/2

Right Out: 465.899+/-705.928 χ^2/NDF : 20.0/18

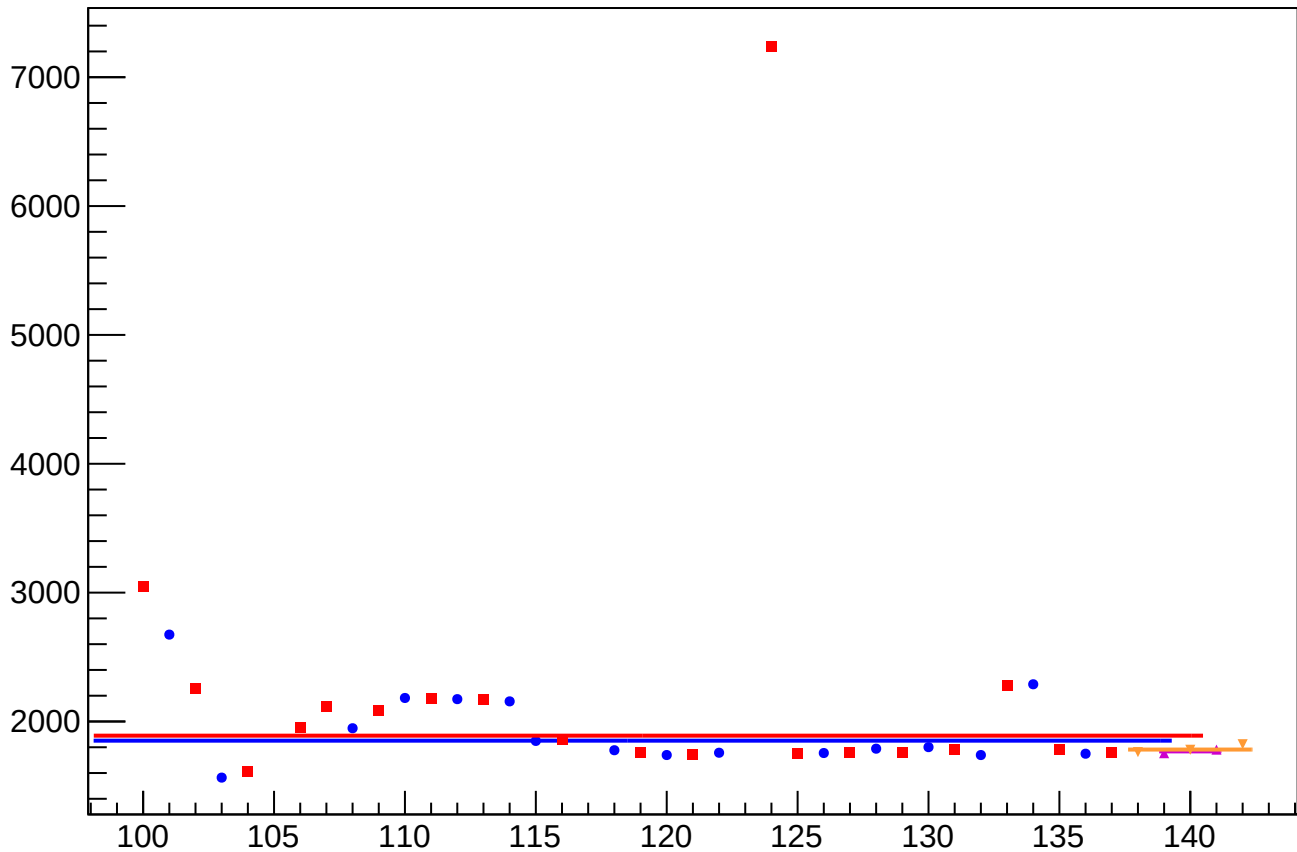
Left In: 2956.911+/-1343.467 χ^2/NDF : 0.2/1

+ sign -600.030+/-605.492 χ^2/NDF : 15.8/18

All: 177.093+/-434.851 χ^2/NDF : 42.1/39

- sign 1004.860+/-624.911 χ^2/NDF : 22.9/20

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF : 259980.7/15

Left Out: 1782.114+/-0.877 χ^2/NDF : 652.6/2

Right Out: 1889.986+/-0.498 χ^2/NDF : 359122.3/18

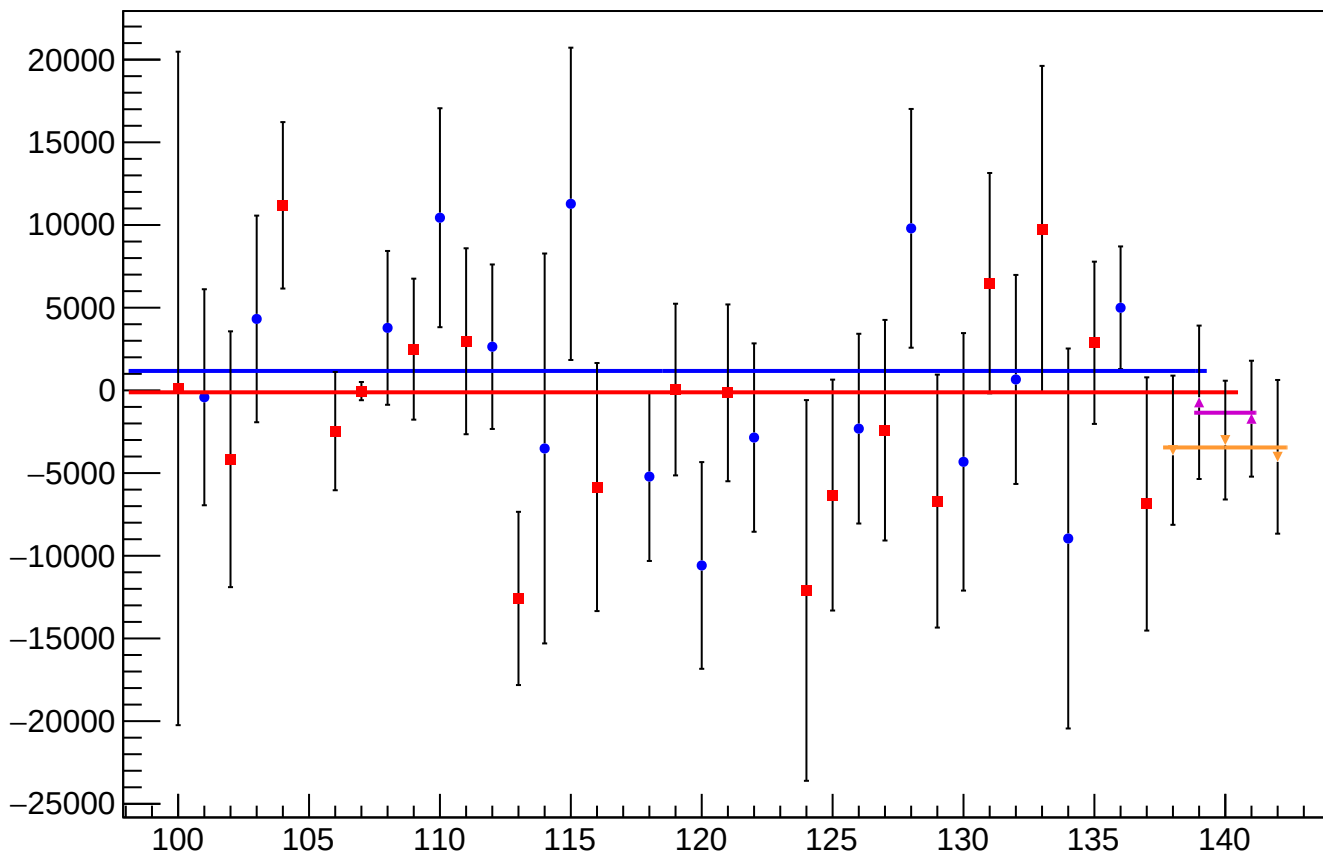
Left In: 1767.901+/-0.950 χ^2/NDF : 213.6/1

+ sign 1834.683+/-0.428 χ^2/NDF : 265350.2/18

All: 1848.737+/-0.307 χ^2/NDF : 639861.7/39

- sign 1863.658+/-0.441 χ^2/NDF : 372290.0/20

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408 $\pm$ 1502.134 χ^2 /NDF: 13.7/15

Left Out: -3451.013 $\pm$ 2404.142 χ^2 /NDF: 0.0/2

Right Out: -115.917 $\pm$ 512.289 χ^2 /NDF: 18.6/18

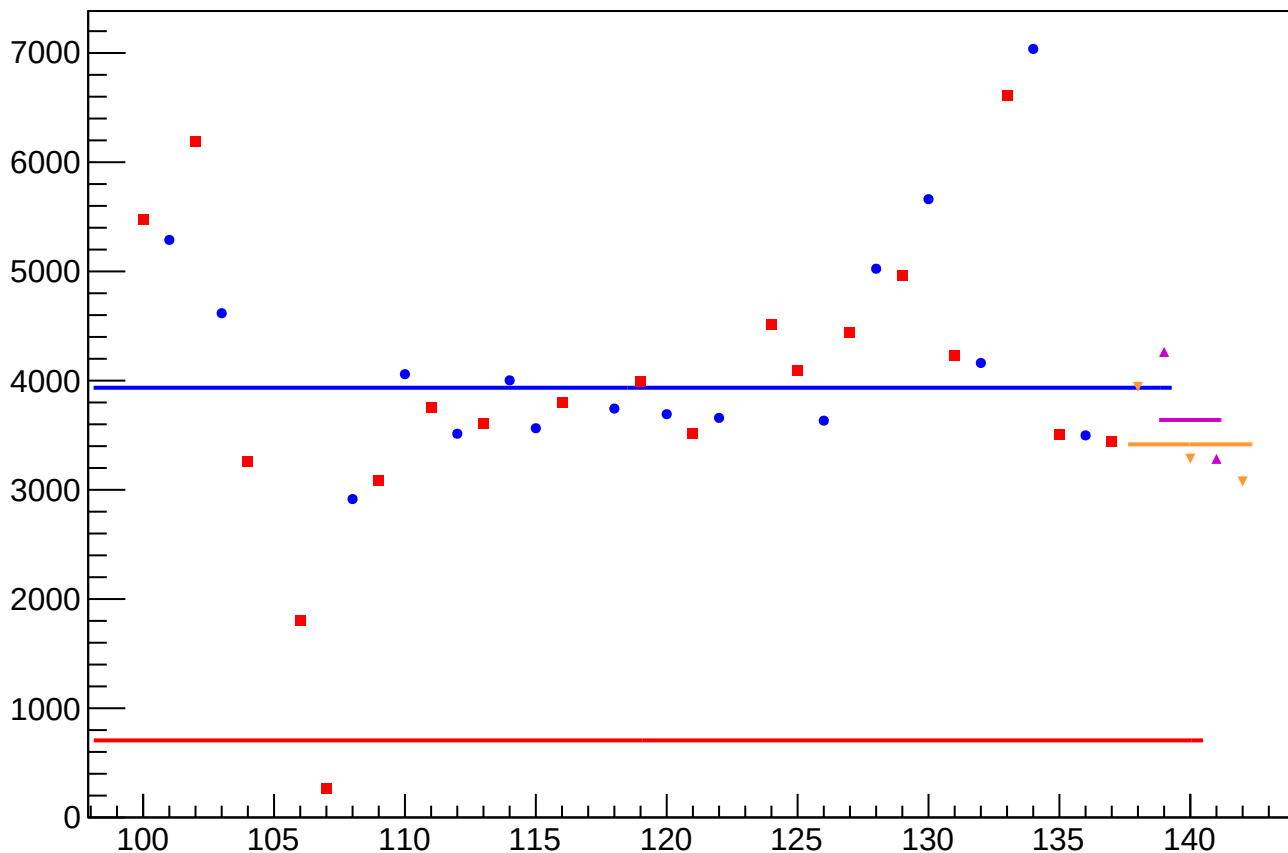
Left In: -1351.369 $\pm$ 2796.002 χ^2 /NDF: 0.0/1

+ sign -123.583 $\pm$ 1273.915 χ^2 /NDF: 16.4/18

All: -151.652 $\pm$ 468.575 χ^2 /NDF: 35.2/39

- sign -156.044 $\pm$ 503.901 χ^2 /NDF: 18.8/20

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727 $\pm$ 1.062 χ^2 /NDF: 560149.8/15

Left Out: 3416.357 $\pm$ 1.700 χ^2 /NDF: 40618.8/2

Right Out: 705.620 $\pm$ 0.362 χ^2 /NDF: 10747208.1/18

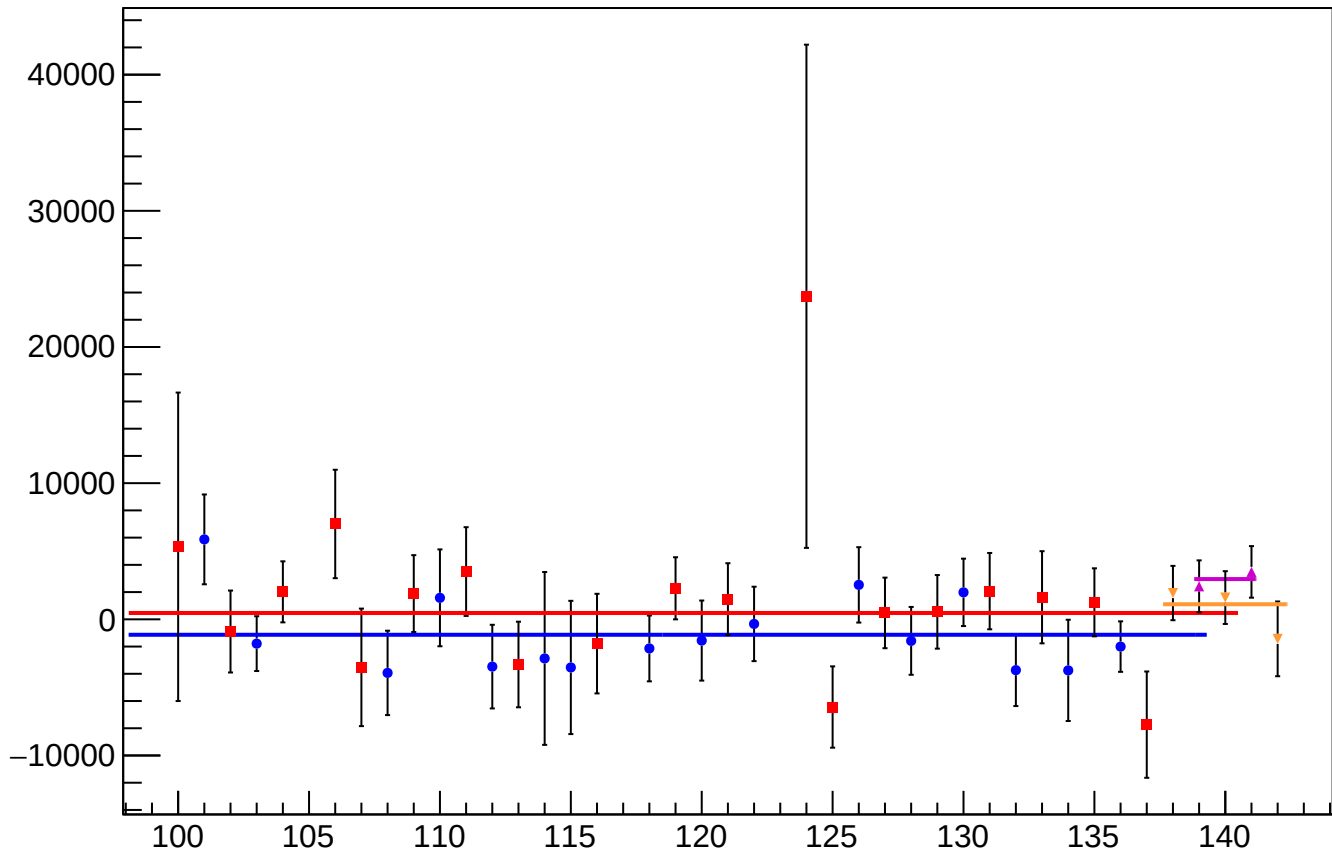
Left In: 3639.795 $\pm$ 1.977 χ^2 /NDF: 56738.3/1

+ sign 3789.181 $\pm$ 0.901 χ^2 /NDF: 667641.9/18

All: 1205.215 $\pm$ 0.331 χ^2 /NDF: 23118594.0/3

- sign 800.922 $\pm$ 0.356 χ^2 /NDF: 12934964.1/20

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF : 12.2/15

Left Out: 1107.188+/-1240.299 χ^2/NDF : 1.1/2

Right Out: 465.899+/-705.928 χ^2/NDF : 20.0/18

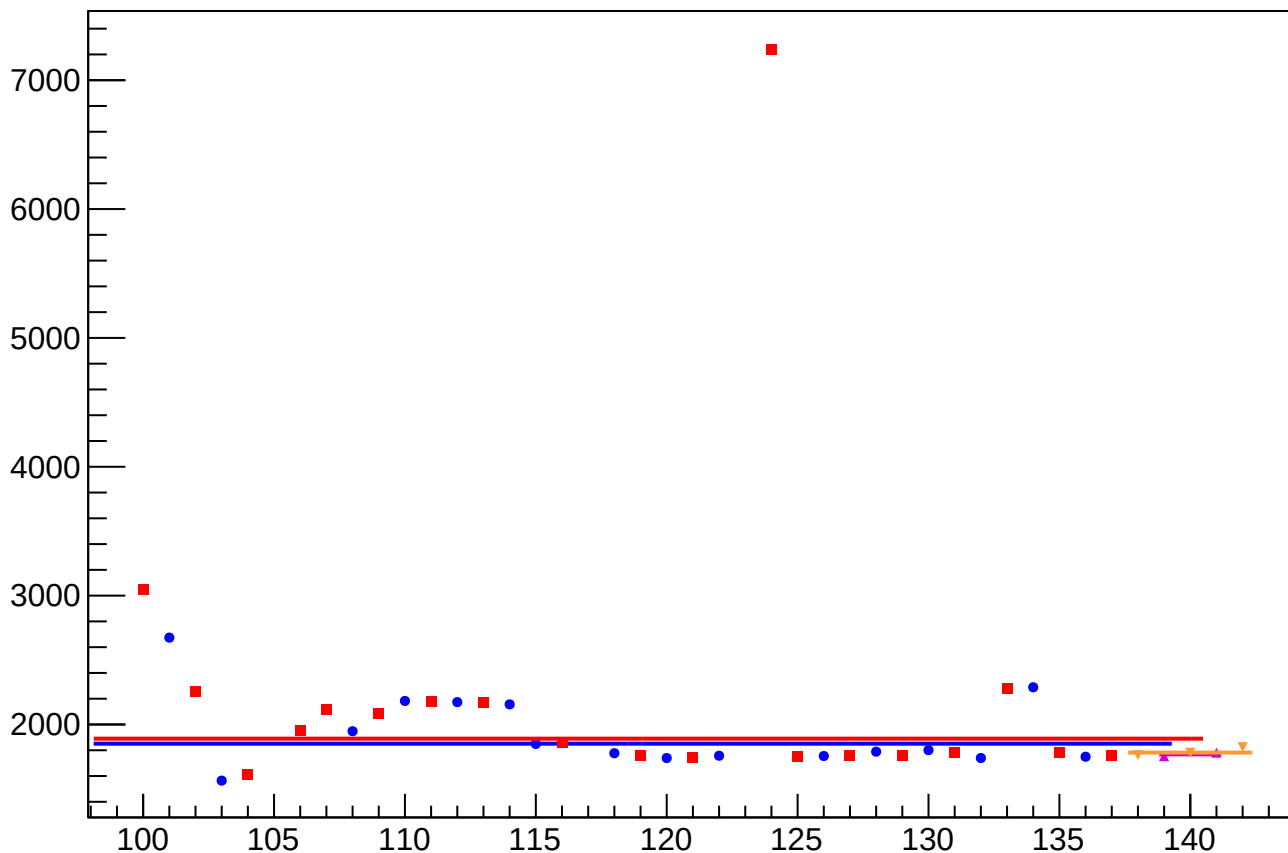
Left In: 2956.911+/-1343.467 χ^2/NDF : 0.2/1

+ sign -600.030+/-605.492 χ^2/NDF : 15.8/18

All: 177.093+/-434.851 χ^2/NDF : 42.1/39

- sign 1004.860+/-624.911 χ^2/NDF : 22.9/20

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF : 259980.7/15

Left Out: 1782.114+/-0.877 χ^2/NDF : 652.6/2

Right Out: 1889.986+/-0.498 χ^2/NDF : 359122.3/18

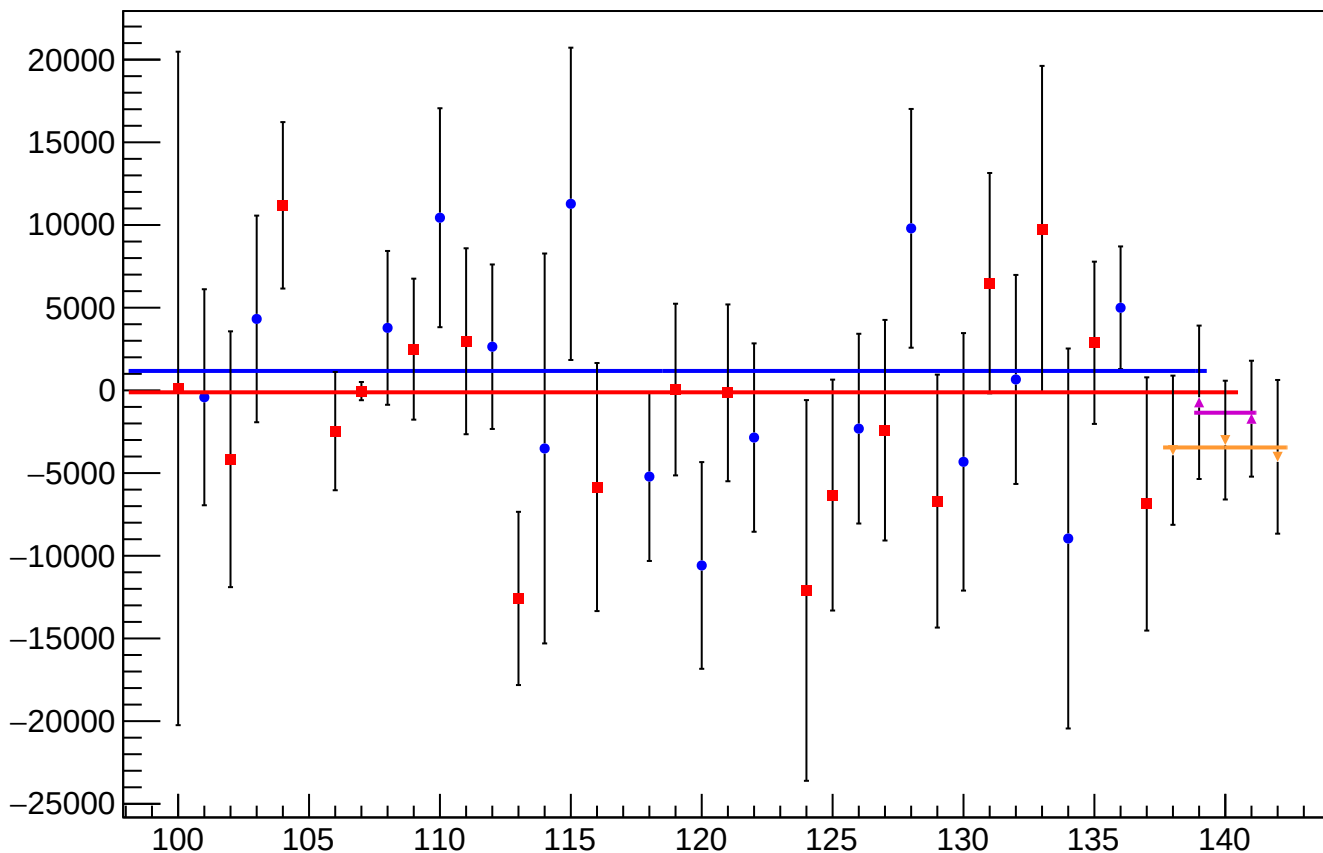
Left In: 1767.901+/-0.950 χ^2/NDF : 213.6/1

+ sign 1834.683+/-0.428 χ^2/NDF : 265350.2/18

All: 1848.737+/-0.307 χ^2/NDF : 639861.7/39

- sign 1863.658+/-0.441 χ^2/NDF : 372290.0/20

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 1175.408 $\pm$ 1502.134 χ^2 /NDF: 13.7/15

Left Out: -3451.013 $\pm$ 2404.142 χ^2 /NDF: 0.0/2

Right Out: -115.917 $\pm$ 512.289 χ^2 /NDF: 18.6/18

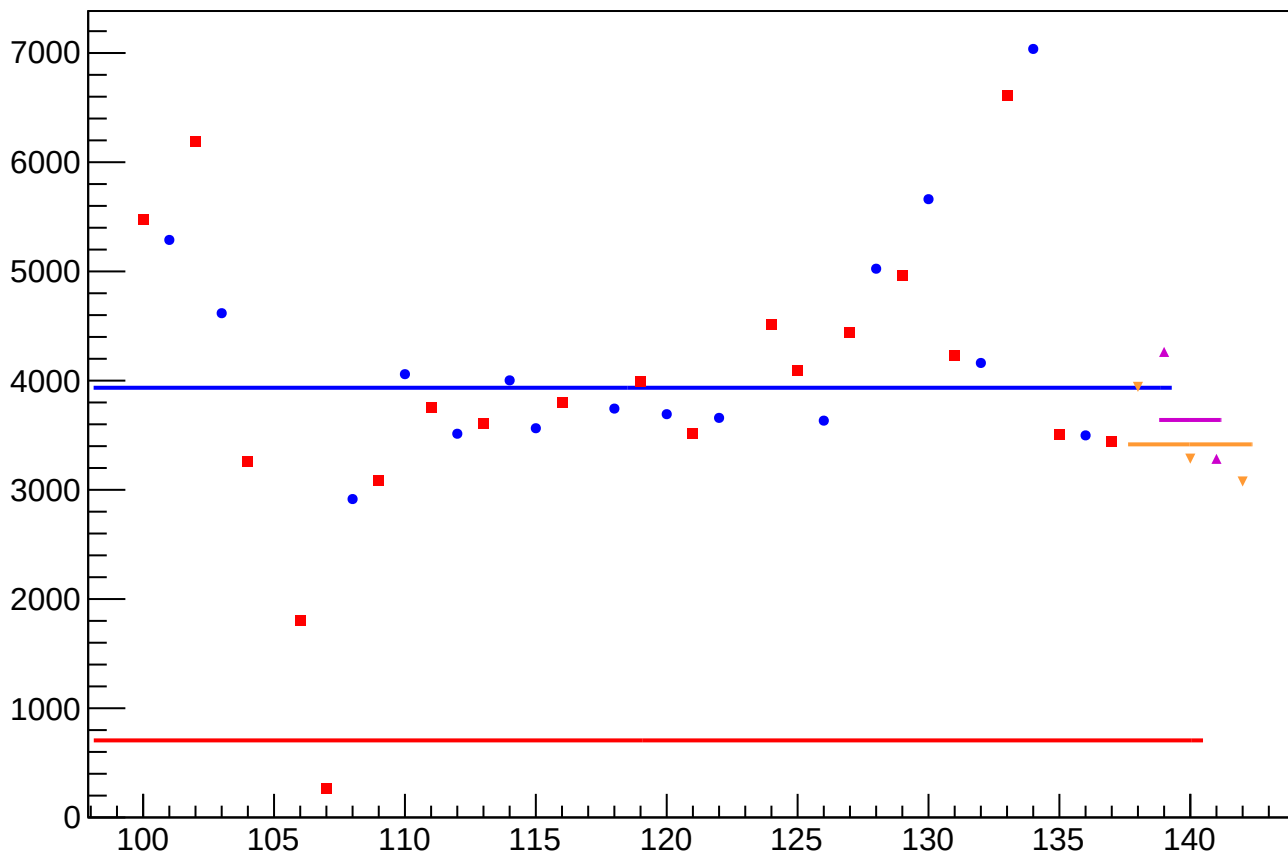
Left In: -1351.369 $\pm$ 2796.002 χ^2 /NDF: 0.0/1

+ sign -123.583 $\pm$ 1273.915 χ^2 /NDF: 16.4/18

All: -151.652 $\pm$ 468.575 χ^2 /NDF: 35.2/39

- sign -156.044 $\pm$ 503.901 χ^2 /NDF: 18.8/20

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727 $\pm$ 1.062 χ^2 /NDF: 560149.8/15

Left Out: 3416.357 $\pm$ 1.700 χ^2 /NDF: 40618.8/2

Right Out: 705.620 $\pm$ 0.362 χ^2 /NDF: 10747208.1/18

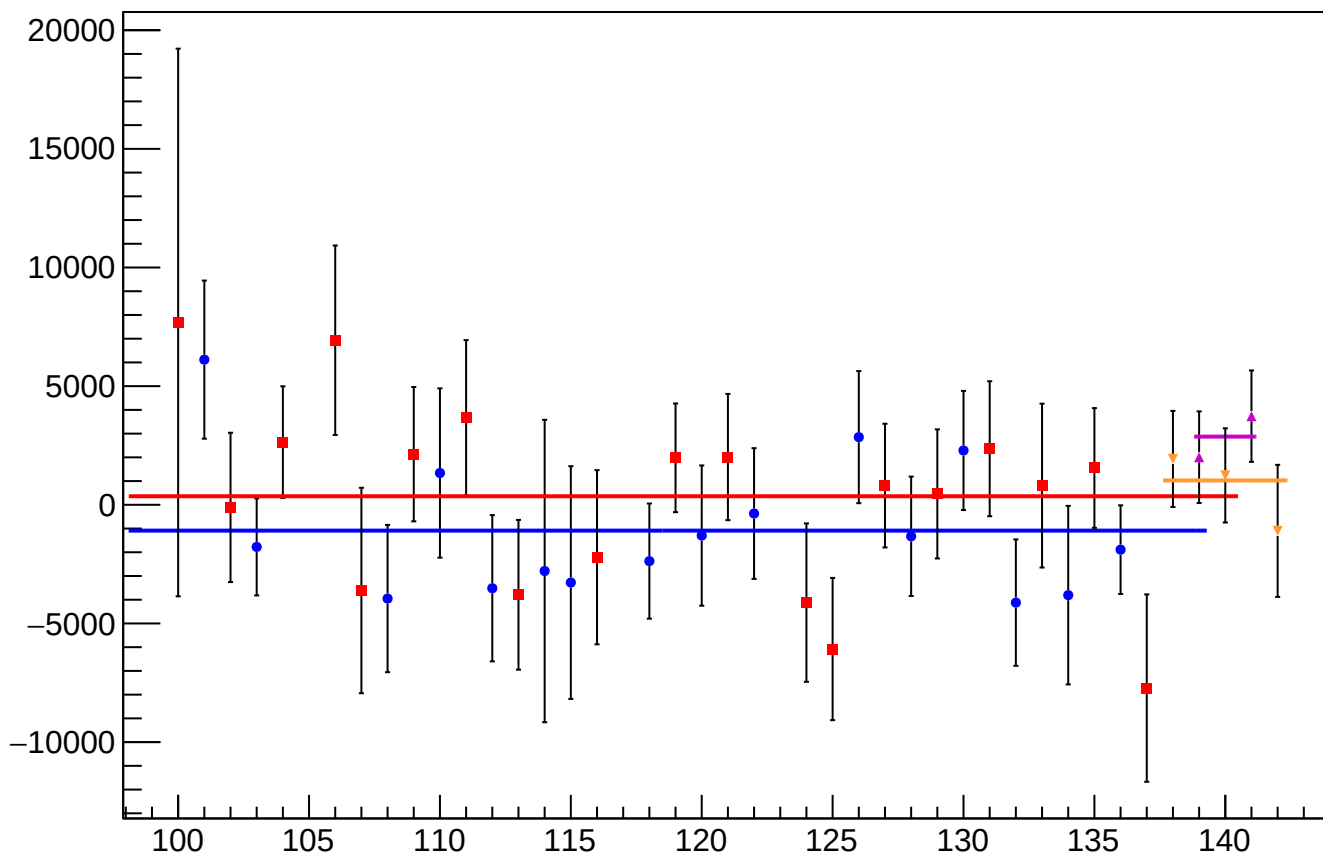
Left In: 3639.795 $\pm$ 1.977 χ^2 /NDF: 56738.3/1

+ sign 3789.181 $\pm$ 0.901 χ^2 /NDF: 667641.9/18

All: 1205.215 $\pm$ 0.331 χ^2 /NDF: 23118594.0/3

- sign 800.922 $\pm$ 0.356 χ^2 /NDF: 12934964.1/20

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731 ± 699.579 χ^2/NDF : 13.2/15

Left Out: 1027.256 ± 1263.276 χ^2/NDF : 0.8/2

Right Out: 361.218 ± 699.665 χ^2/NDF : 20.8/18

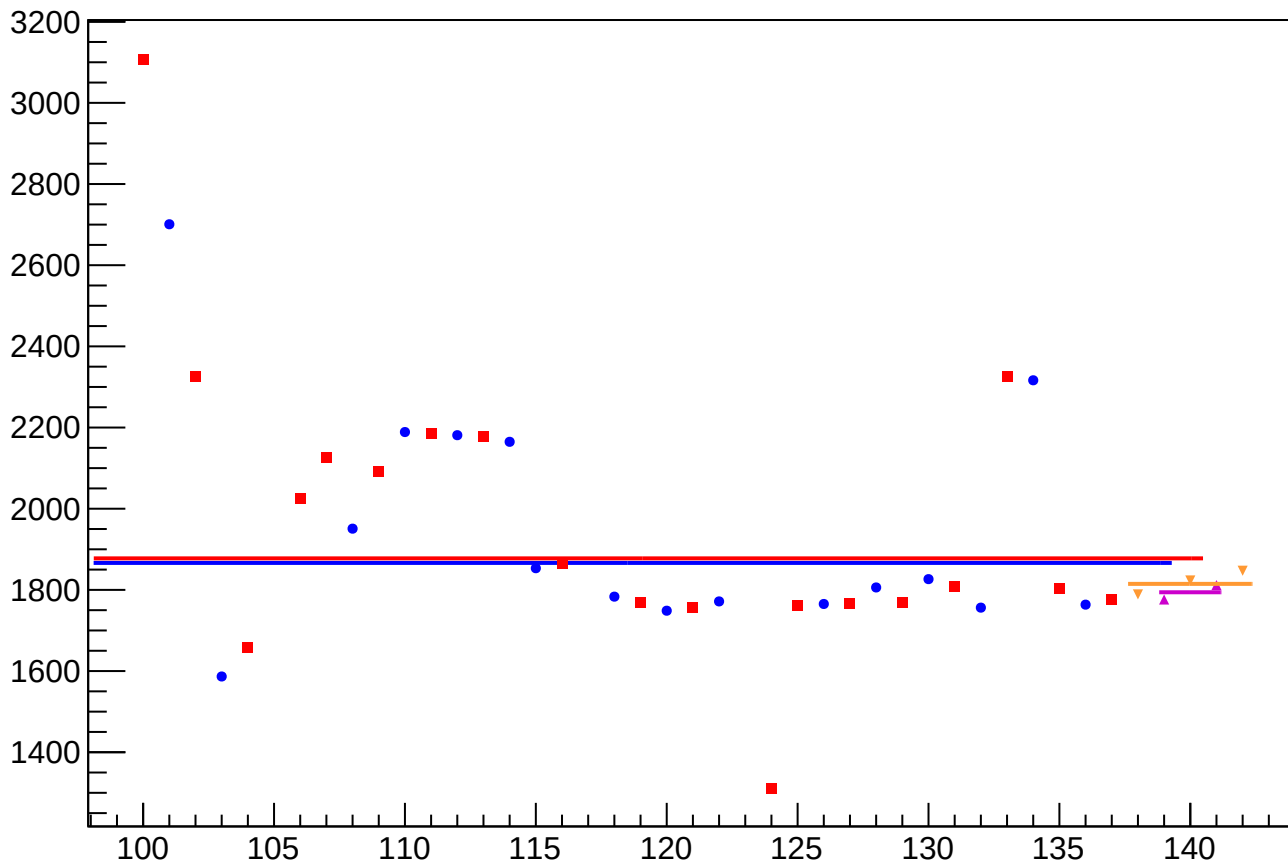
Left In: 2873.669 ± 1363.460 χ^2/NDF : 0.4/1

+ sign -591.348 ± 612.002 χ^2/NDF : 16.1/18

All: 134.241 ± 436.412 χ^2/NDF : 42.9/39

- sign 884.911 ± 622.490 χ^2/NDF : 23.9/20

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456 ± 0.495 $\chi^2/\text{NDF}: 256262.4/15$

Left Out: 1814.808 ± 0.893 $\chi^2/\text{NDF}: 634.6/2$

Right Out: 1877.659 ± 0.494 $\chi^2/\text{NDF}: 251850.5/18$

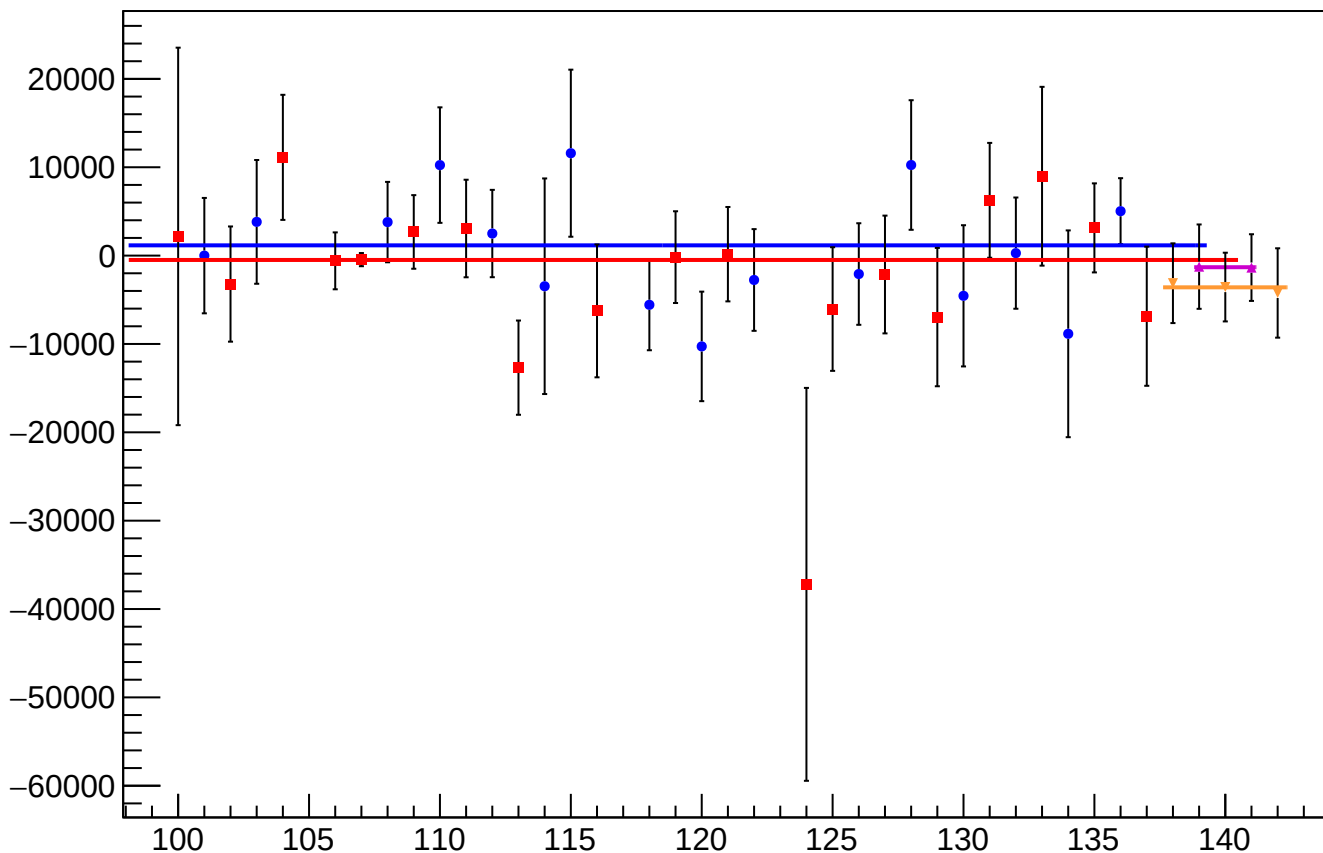
Left In: 1794.126 ± 0.964 $\chi^2/\text{NDF}: 339.3/1$

+ sign 1854.334 ± 0.433 $\chi^2/\text{NDF}: 259455.5/18$

All: 1857.254 ± 0.308 $\chi^2/\text{NDF}: 517682.0/39$

- sign 1860.270 ± 0.440 $\chi^2/\text{NDF}: 258134.0/20$

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124 $\pm$ 1512.225 χ^2/NDF : 13.7/15

Left Out: -3591.135 $\pm$ 2545.520 χ^2/NDF : 0.0/2

Right Out: -492.907 $\pm$ 658.510 χ^2/NDF : 16.9/18

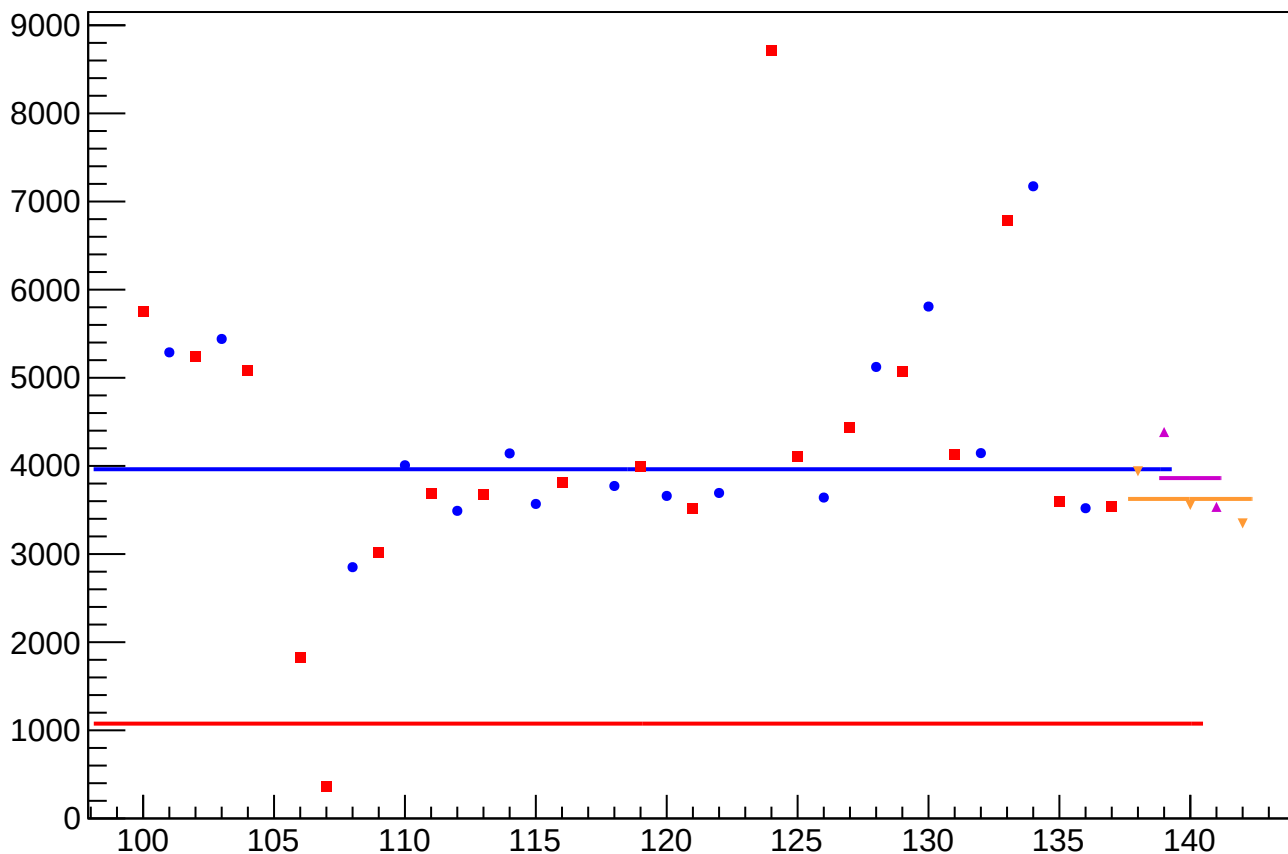
Left In: -1314.229 $\pm$ 2960.070 χ^2/NDF : 0.0/1

+ sign -78.548 $\pm$ 1300.109 χ^2/NDF : 16.3/18

All: -442.637 $\pm$ 576.216 χ^2/NDF : 33.4/39

- sign -531.638 $\pm$ 642.796 χ^2/NDF : 17.0/20

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF : 668339.6/15

Left Out: 3625.567+/-1.800 χ^2/NDF : 16297.1/2

Right Out: 1075.957+/-0.466 χ^2/NDF : 9558372.9/18

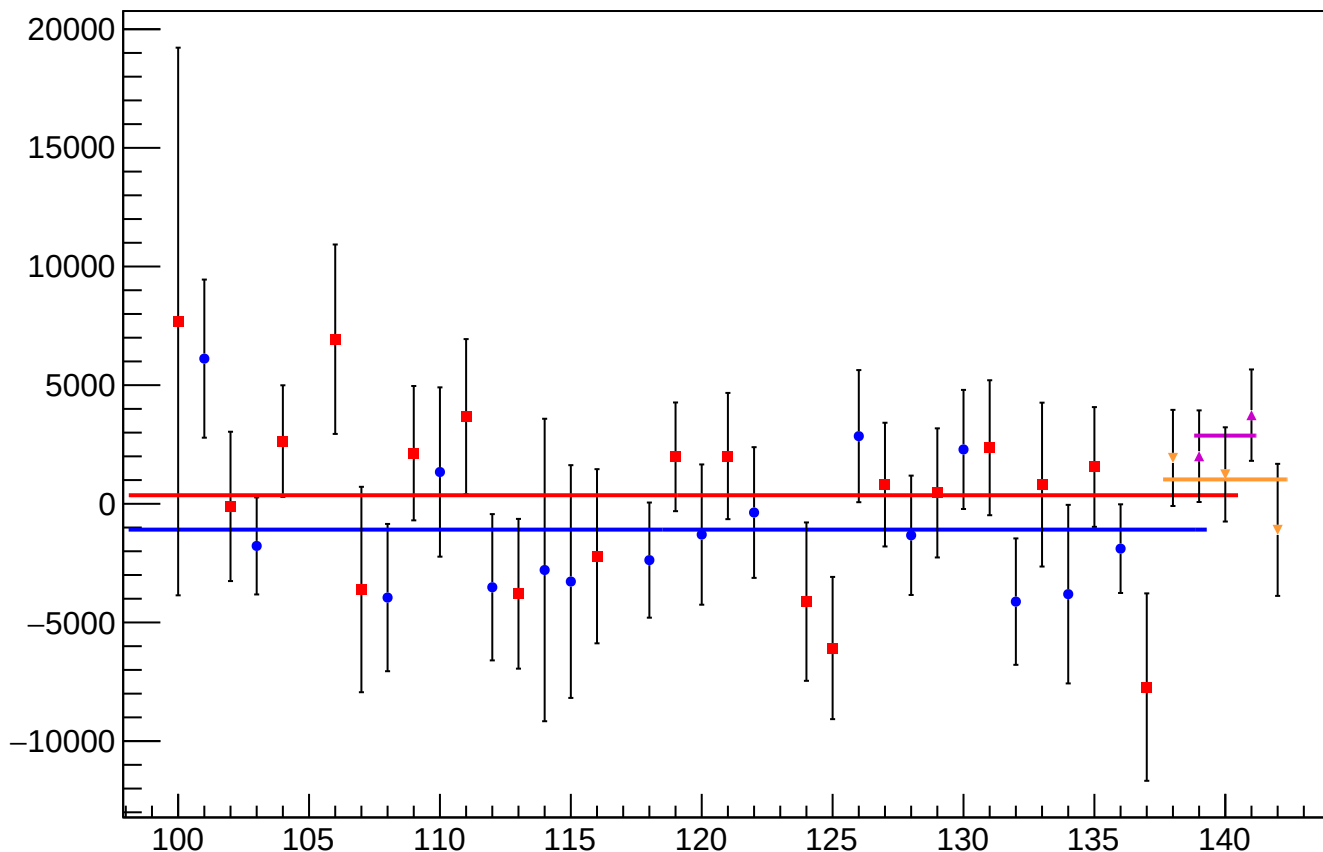
Left In: 3861.937+/-2.093 χ^2/NDF : 38962.1/1

+ sign 3874.510+/-0.919 χ^2/NDF : 710515.9/18

All: 1731.251+/-0.407 χ^2/NDF : 18759860.8/3

- sign 1207.335+/-0.455 χ^2/NDF : 11285454.9/20

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736 ± 699.579 χ^2/NDF : 13.2/15

Left Out: 1027.250 ± 1263.276 χ^2/NDF : 0.8/2

Right Out: 361.223 ± 699.665 χ^2/NDF : 20.8/18

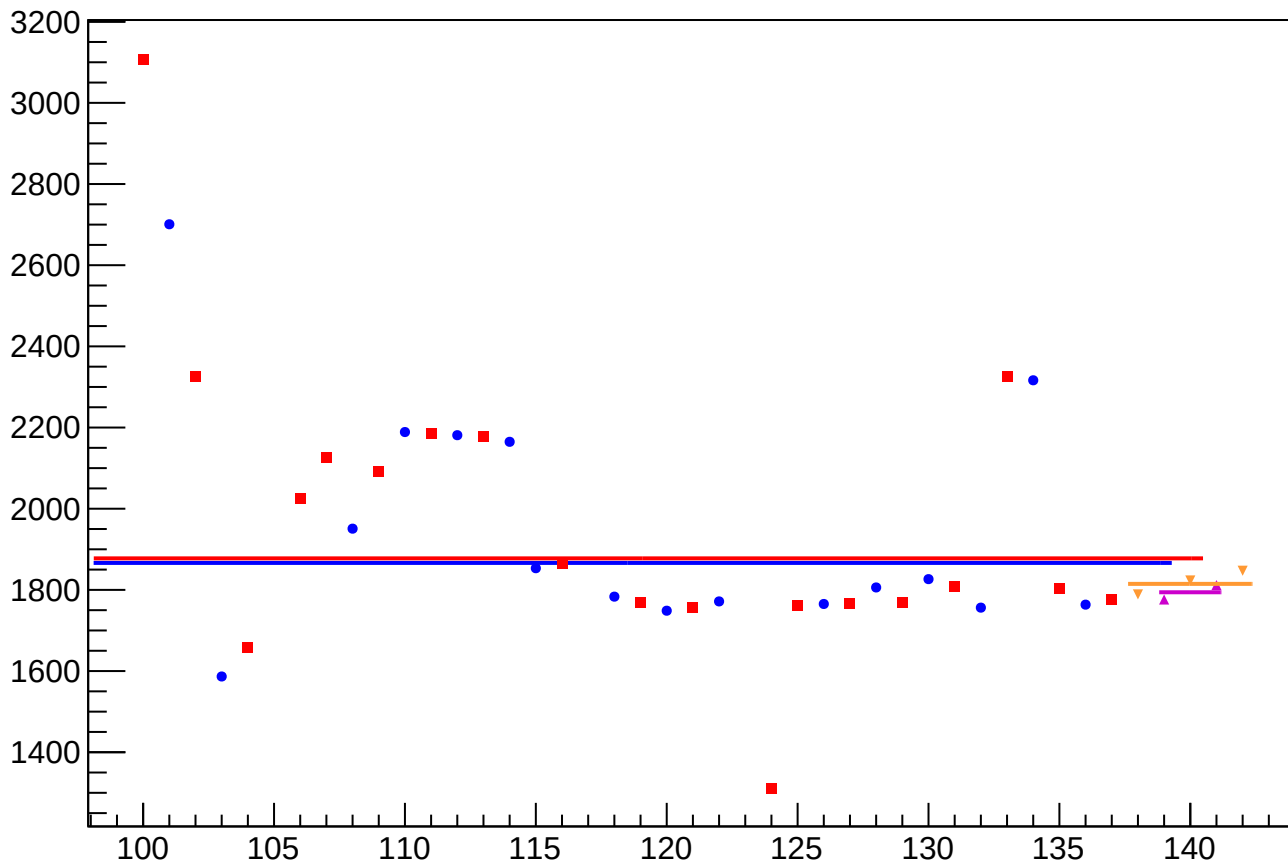
Left In: 2873.651 ± 1363.460 χ^2/NDF : 0.4/1

+ sign -591.352 ± 612.002 χ^2/NDF : 16.1/18

All: 134.239 ± 436.412 χ^2/NDF : 42.9/39

- sign 884.912 ± 622.490 χ^2/NDF : 23.9/20

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456 $\pm$ 0.495 χ^2 /NDF: 256262.3/15

Left Out: 1814.808 $\pm$ 0.893 χ^2 /NDF: 634.6/2

Right Out: 1877.659 $\pm$ 0.494 χ^2 /NDF: 251850.8/18

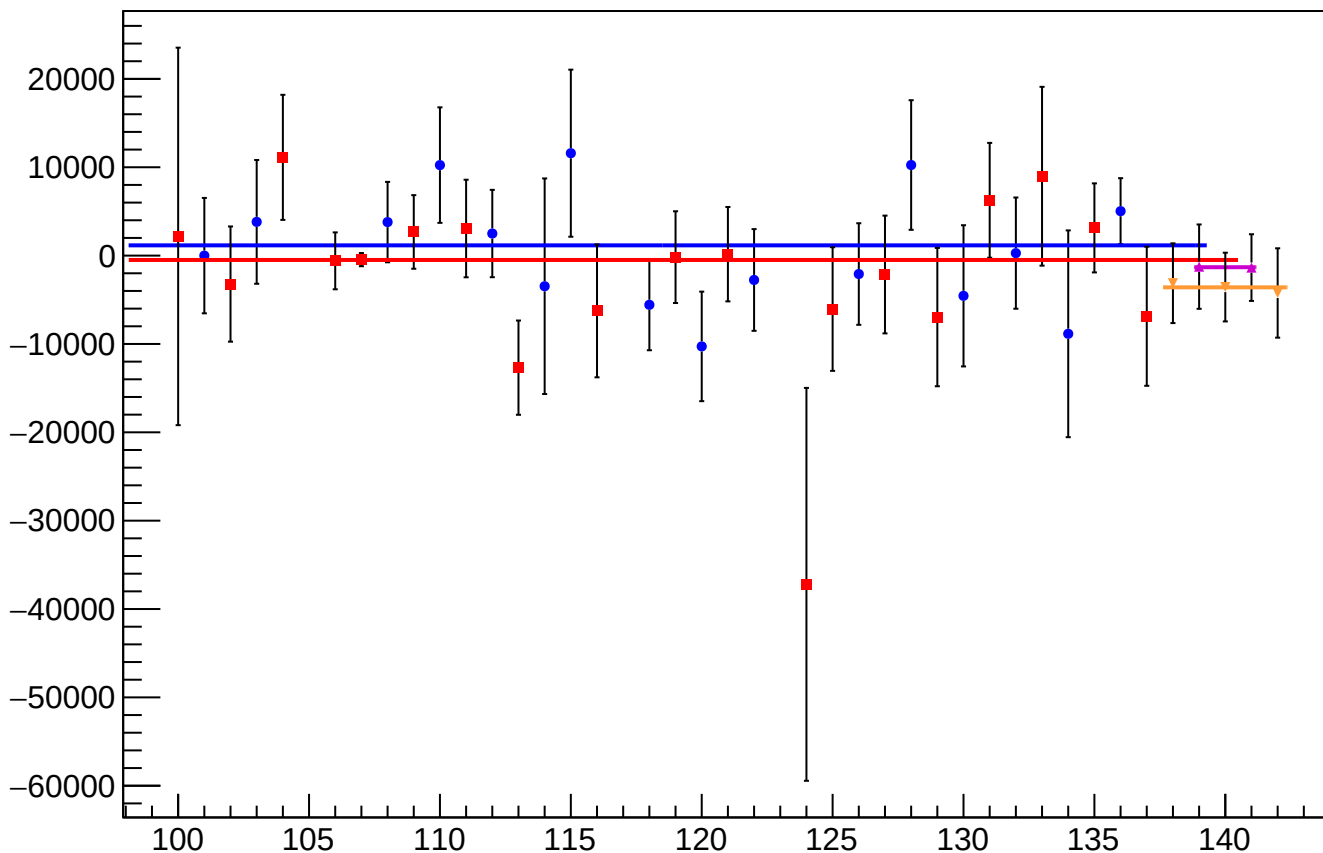
Left In: 1794.126 $\pm$ 0.964 χ^2 /NDF: 339.3/1

+ sign 1854.334 $\pm$ 0.433 χ^2 /NDF: 259455.3/18

All: 1857.254 $\pm$ 0.308 χ^2 /NDF: 517682.0/39

- sign 1860.270 $\pm$ 0.440 χ^2 /NDF: 258134.2/20

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug



Right In: 1161.104 $\pm$ 1512.222 χ^2 /NDF: 13.7/15

Left Out: -3591.144 $\pm$ 2545.521 χ^2 /NDF: 0.0/2

Right Out: -492.914 $\pm$ 658.521 χ^2 /NDF: 16.9/18

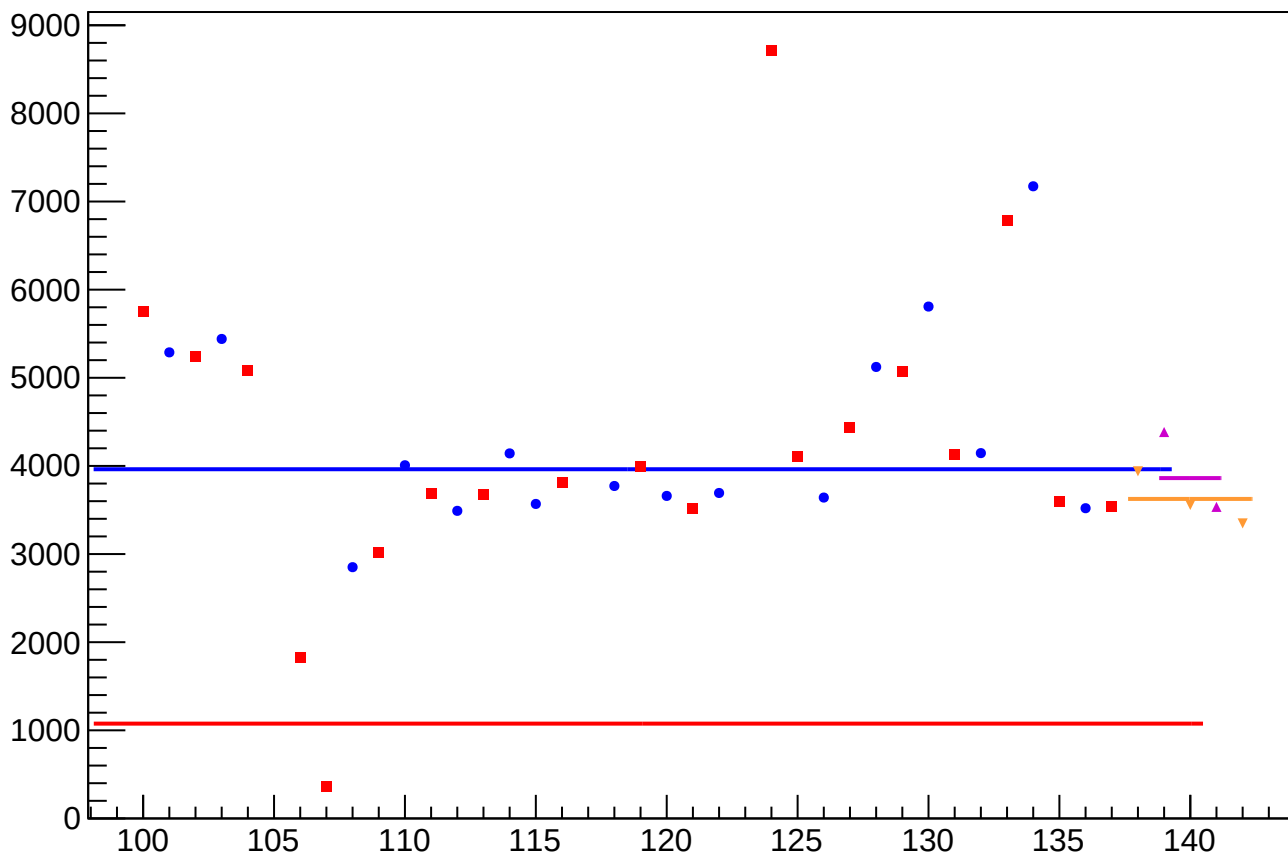
Left In: -1314.247 $\pm$ 2960.072 χ^2 /NDF: 0.0/1

+ sign -78.561 $\pm$ 1300.108 χ^2 /NDF: 16.3/18

All: -442.644 $\pm$ 576.223 χ^2 /NDF: 33.4/39

- sign -531.647 $\pm$ 642.806 χ^2 /NDF: 17.0/20

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF : 668335.9/15

Left Out: 3625.568+/-1.800 χ^2/NDF : 16297.5/2

Right Out: 1075.988+/-0.466 χ^2/NDF : 9558243.3/18

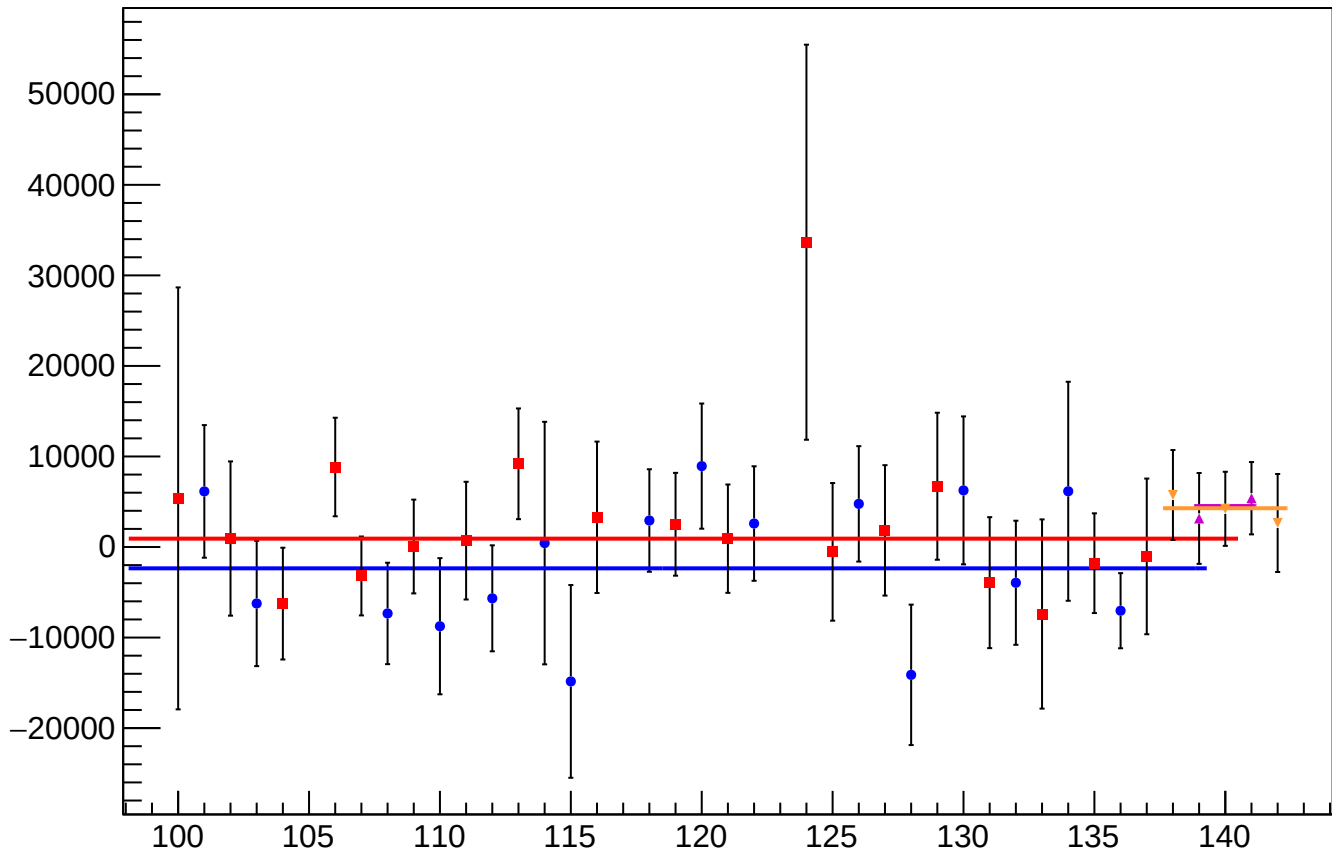
Left In: 3861.939+/-2.093 χ^2/NDF : 38963.0/1

+ sign 3874.506+/-0.919 χ^2/NDF : 710511.4/18

All: 1731.291+/-0.407 χ^2/NDF : 18759469.4/3

- sign 1207.368+/-0.455 χ^2/NDF : 11285286.6/20

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851 ± 1684.784 χ^2/NDF : 15.5/15

Left Out: 4283.848 ± 2726.694 χ^2/NDF : 0.2/2

Right Out: 924.896 ± 1546.889 χ^2/NDF : 10.6/18

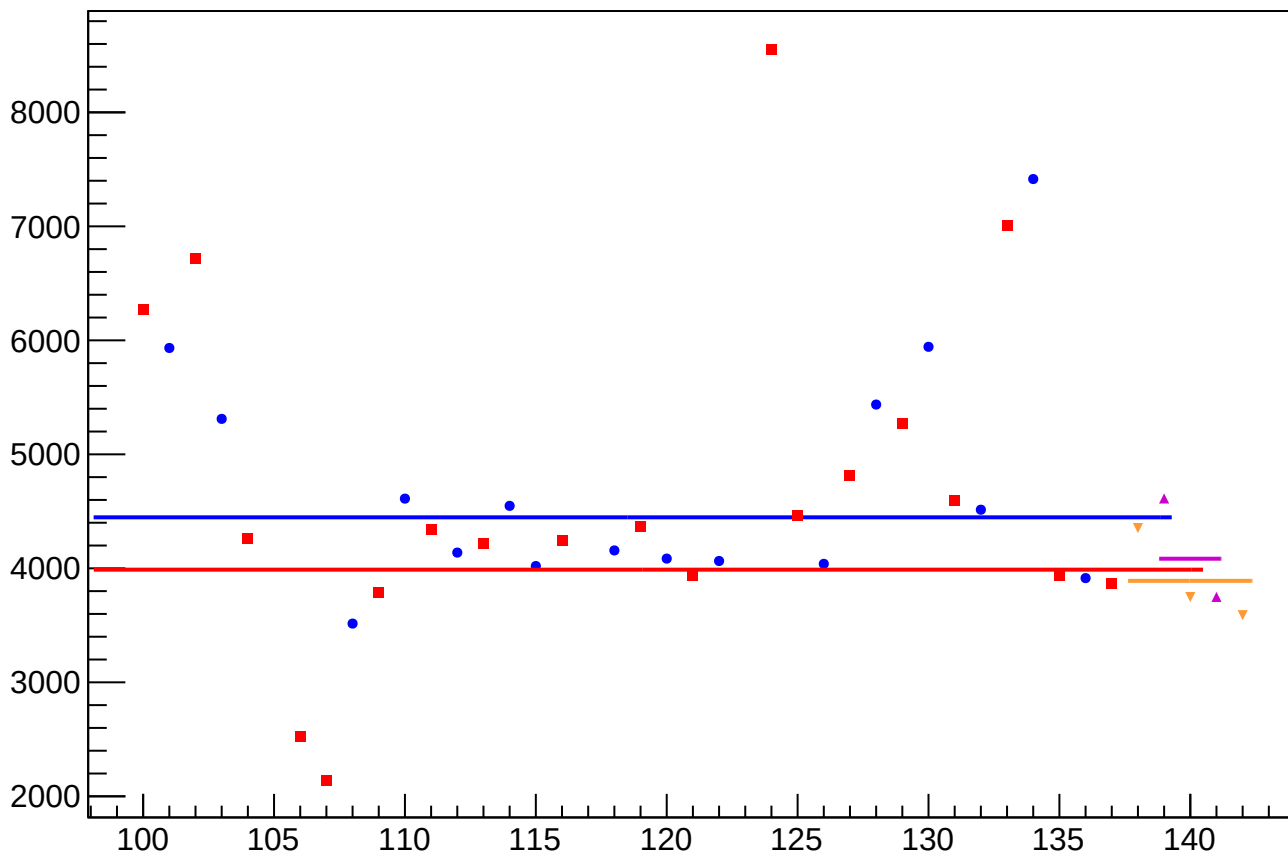
Left In: 4524.031 ± 3125.079 χ^2/NDF : 0.1/1

+ sign -520.598 ± 1433.258 χ^2/NDF : 20.0/18

All: 592.126 ± 996.467 χ^2/NDF : 33.0/39

- sign 1633.199 ± 1386.346 χ^2/NDF : 11.8/20

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF : 458251.2/15

Left Out: 3890.332+/-1.928 χ^2/NDF : 26020.9/2

Right Out: 3988.249+/-1.083 χ^2/NDF : 1143932.4/18

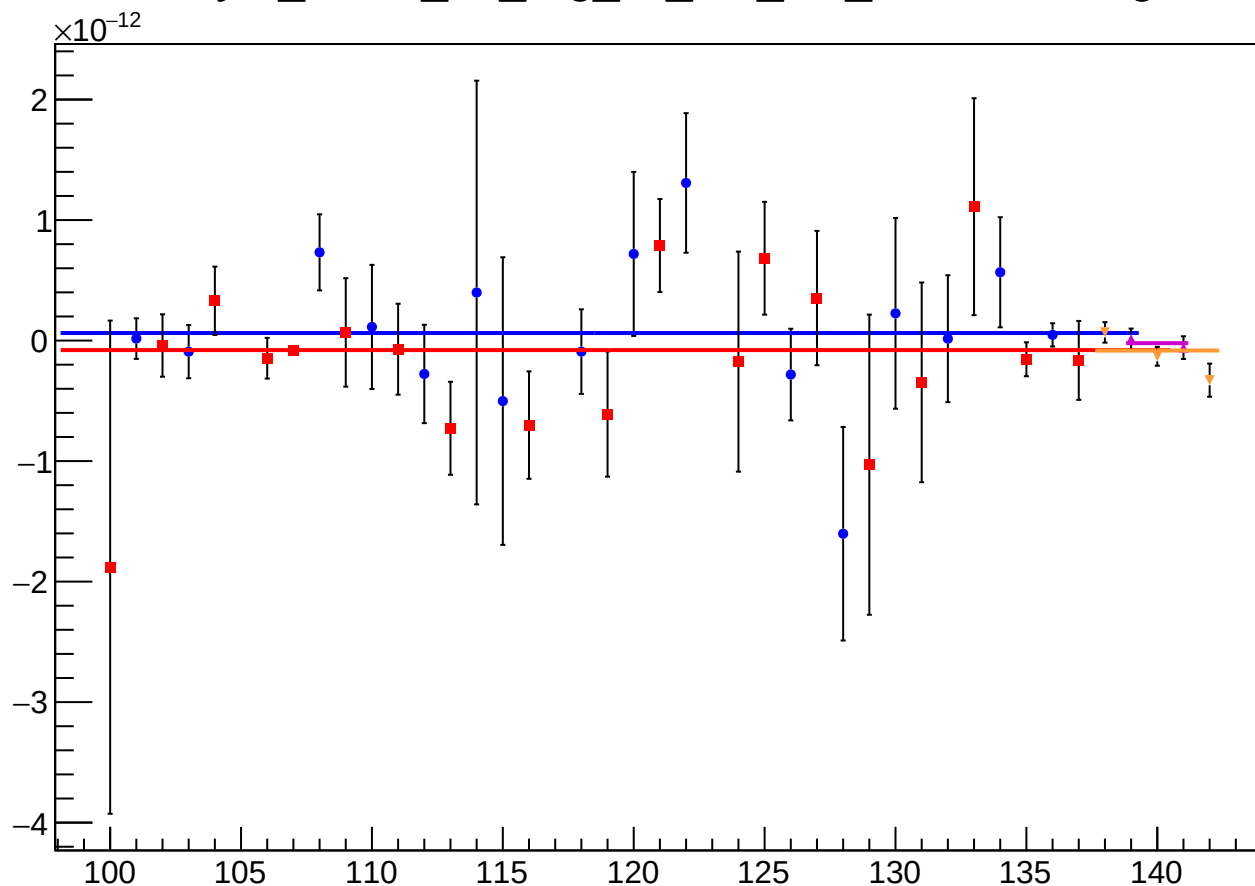
Left In: 4084.341+/-2.210 χ^2/NDF : 36272.2/1

+ sign 4293.501+/-1.013 χ^2/NDF : 544690.7/18

All: 4144.264+/-0.702 χ^2/NDF : 1768068.4/39

- sign 4006.859+/-0.972 χ^2/NDF : 1181729.4/20

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 : 6.7/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.1/18

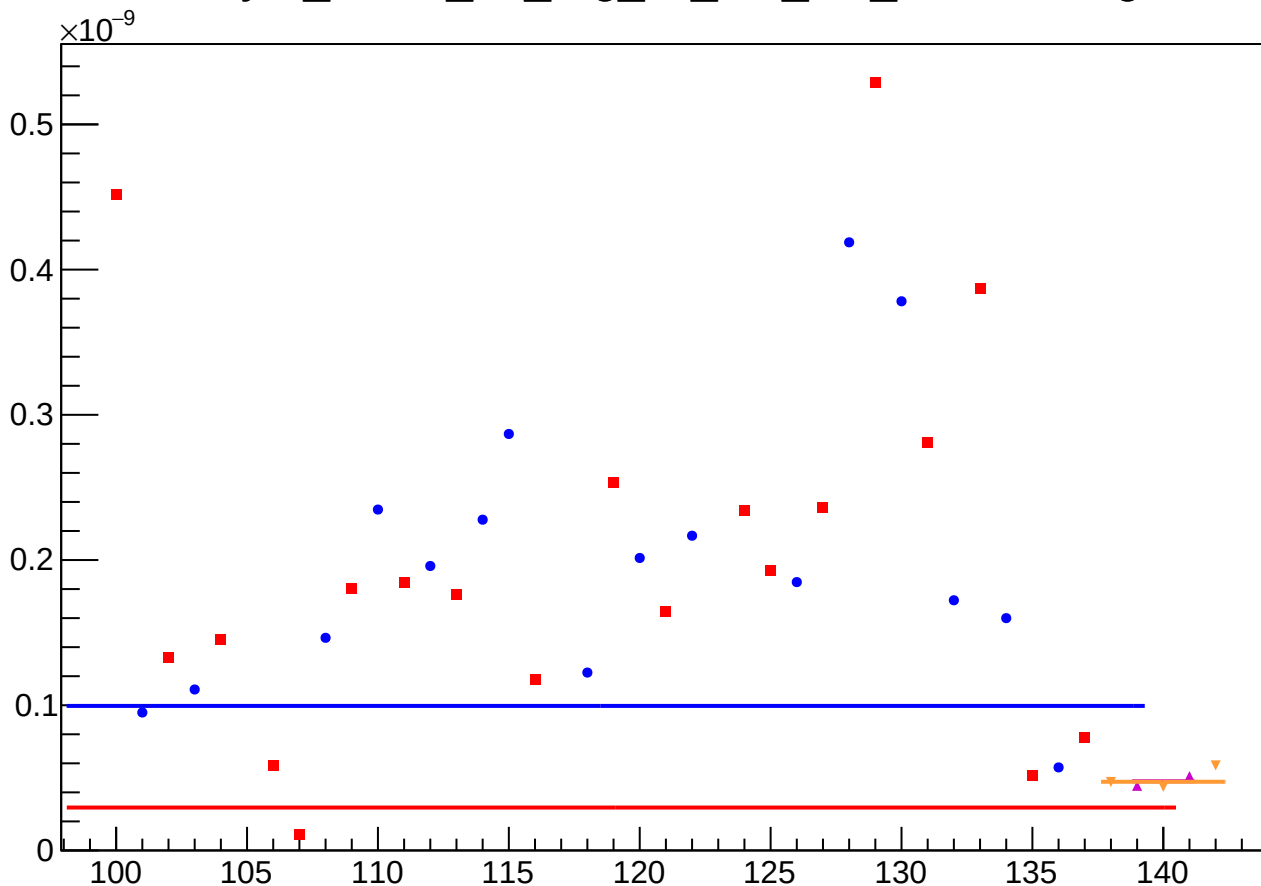
Left In: -0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 27.0/18

All: -0.000 ± 0.000 χ^2/NDF : 48.5/39

- sign -0.000 ± 0.000 χ^2/NDF : 21.0/20

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1562904.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 17446.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4363474.8/18

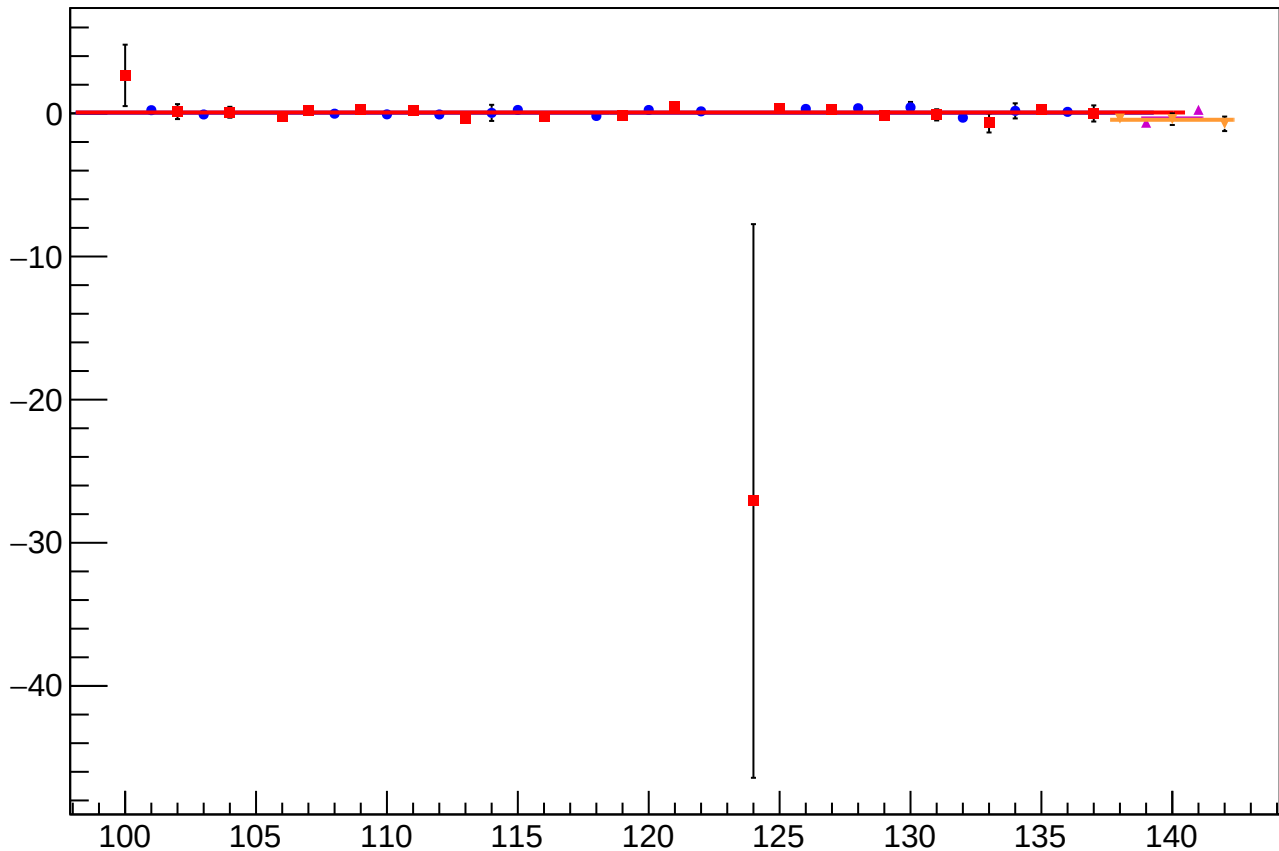
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 5303.6/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2312544.6/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7669411.1/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4493046.9/20

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.066 χ^2 /NDF: 7.6/15

Left Out: -0.448 $\pm$ 0.222 χ^2 /NDF: 0.4/2

Right Out: 0.061 $\pm$ 0.064 χ^2 /NDF: 18.4/18

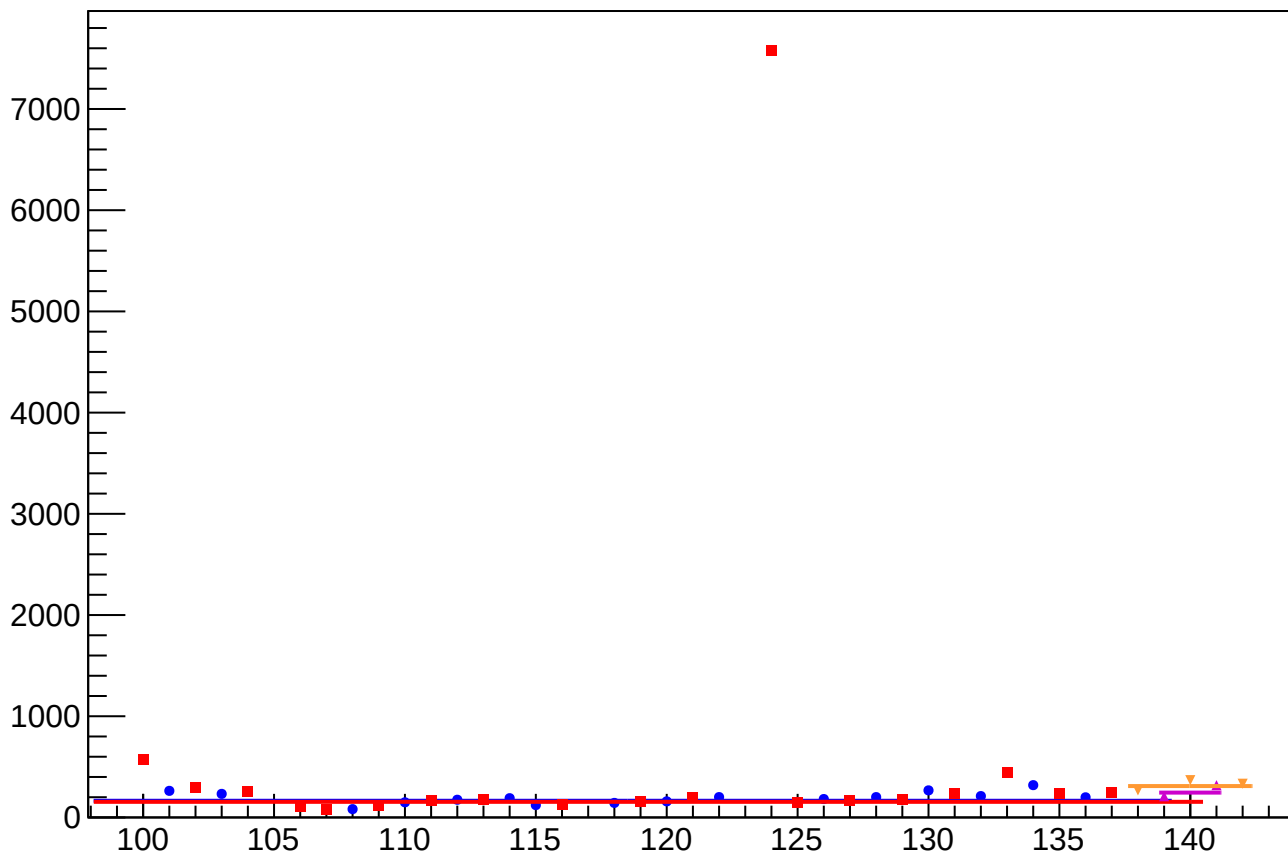
Left In: -0.354 $\pm$ 0.196 χ^2 /NDF: 4.7/1

+ sign 0.007 $\pm$ 0.064 χ^2 /NDF: 12.6/18

All: 0.014 $\pm$ 0.044 χ^2 /NDF: 39.7/39

- sign 0.021 $\pm$ 0.061 χ^2 /NDF: 27.1/20

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: 310.175 $\pm$ 0.157 χ^2 /NDF:83579.8/2

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921322.6/18

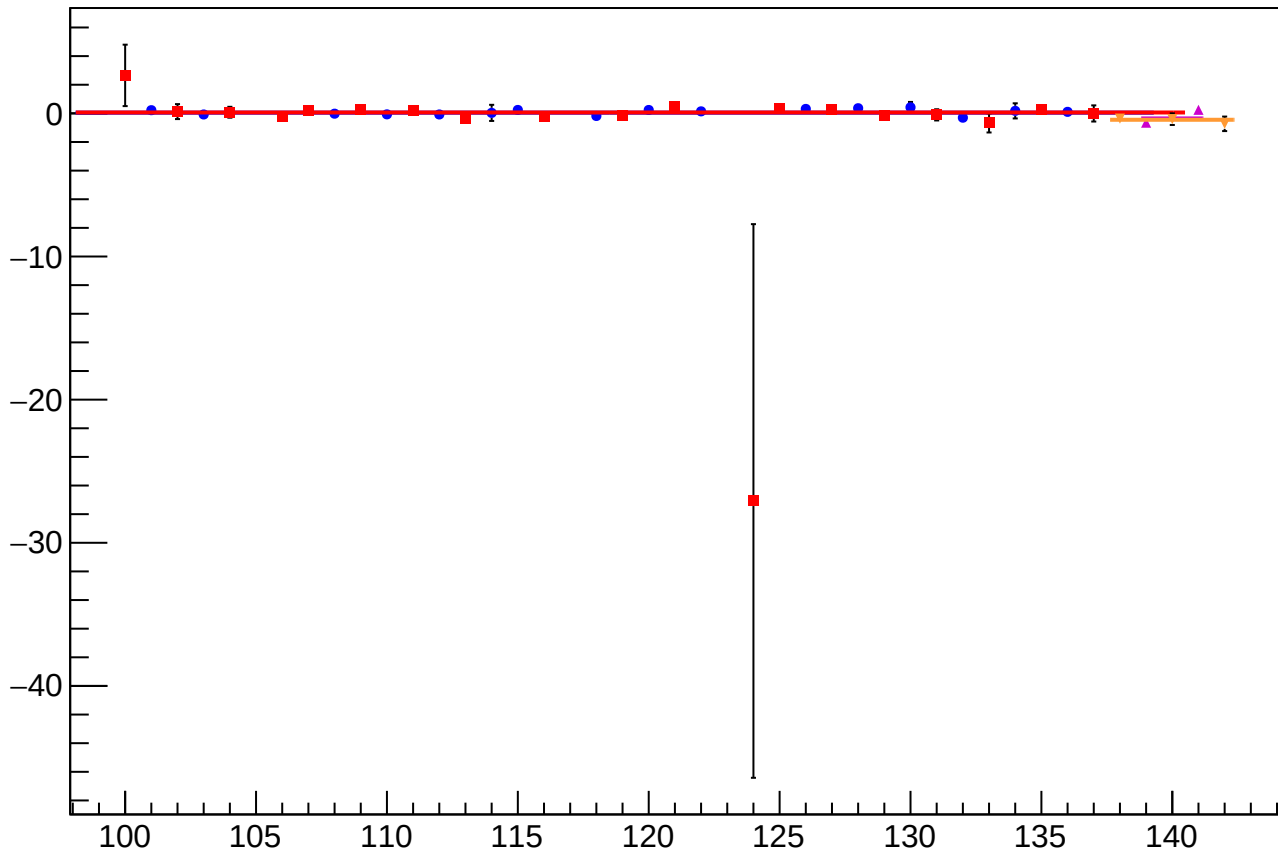
Left In: 245.538 $\pm$ 0.139 χ^2 /NDF:138754.4/1

+ sign 176.797 $\pm$ 0.045 χ^2 /NDF: 2344872.1/18

All: 169.775 $\pm$ 0.031 χ^2 /NDF: 4842685.7/39

- sign 163.281 $\pm$ 0.043 χ^2 /NDF: 2450912.0/20

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.066 χ^2 /NDF: 7.6/15

Left Out: -0.448 $\pm$ 0.222 χ^2 /NDF: 0.4/2

Right Out: 0.061 $\pm$ 0.064 χ^2 /NDF: 18.4/18

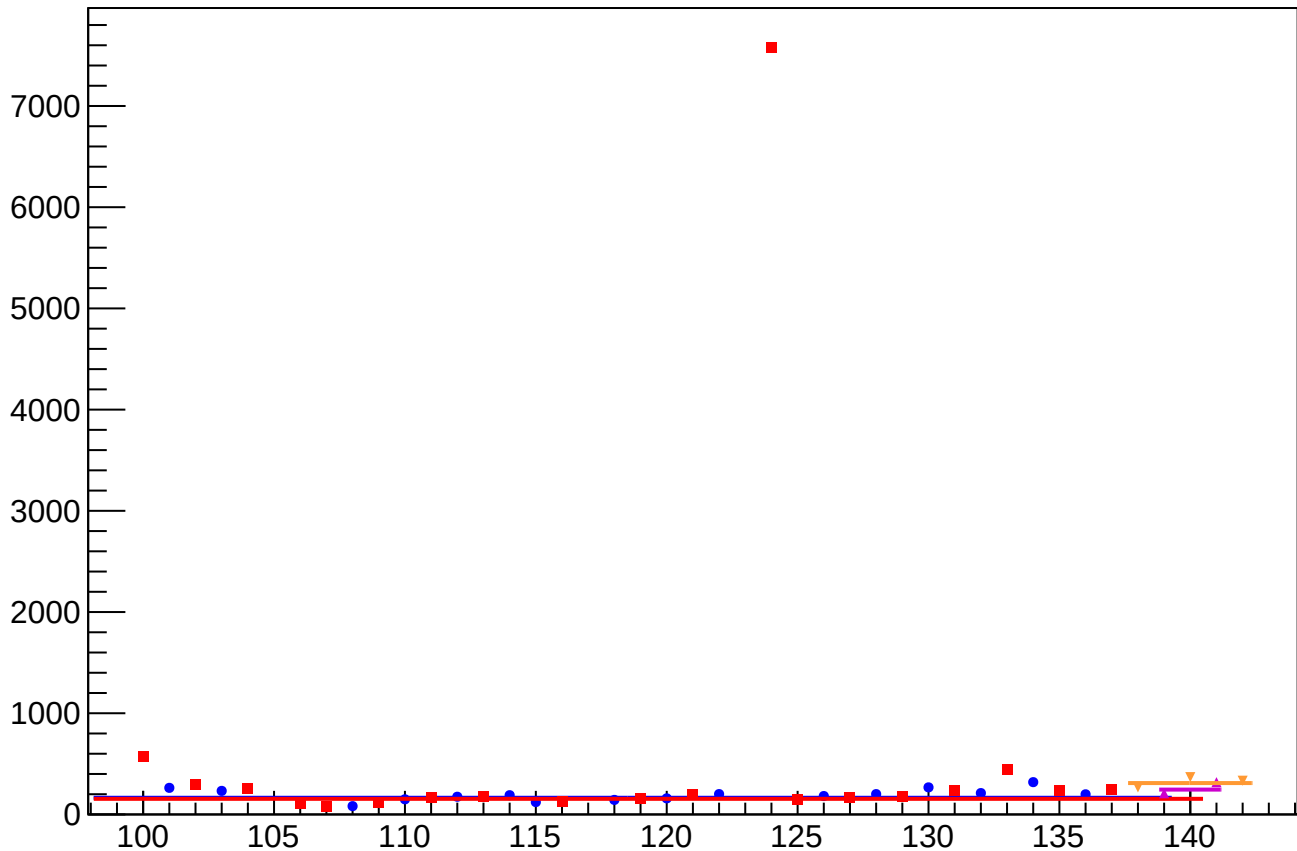
Left In: -0.354 $\pm$ 0.196 χ^2 /NDF: 4.7/1

+ sign 0.007 $\pm$ 0.064 χ^2 /NDF: 12.6/18

All: 0.014 $\pm$ 0.044 χ^2 /NDF: 39.7/39

- sign 0.021 $\pm$ 0.061 χ^2 /NDF: 27.1/20

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: 310.175 $\pm$ 0.157 χ^2 /NDF:83579.8/2

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921322.6/18

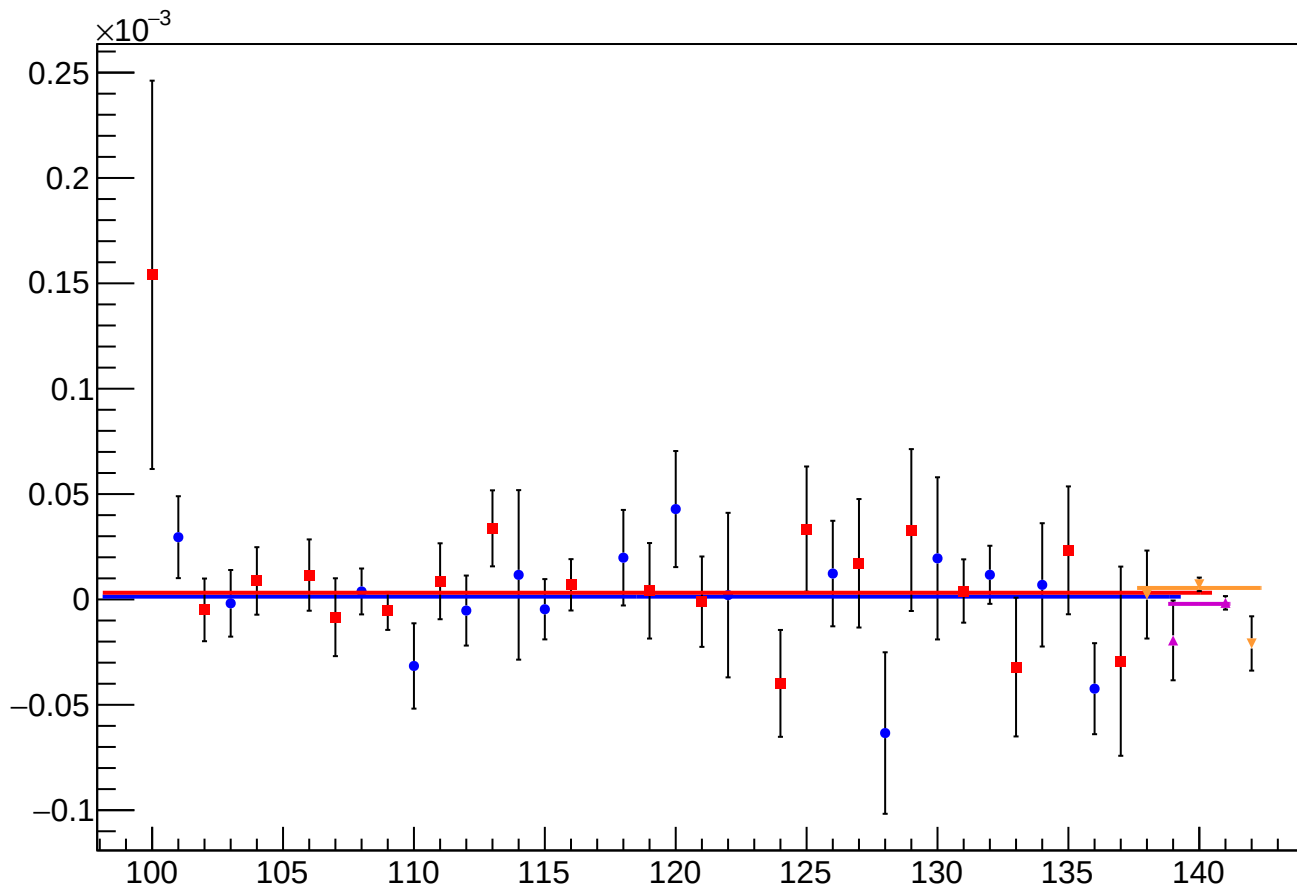
Left In: 245.538 $\pm$ 0.139 χ^2 /NDF:138754.4/1

+ sign 176.797 $\pm$ 0.045 χ^2 /NDF: 2344872.1/18

All: 169.775 $\pm$ 0.031 χ^2 /NDF: 4842685.7/39

- sign 163.281 $\pm$ 0.043 χ^2 /NDF: 2450912.0/20

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 : 4.5/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 14.6/18

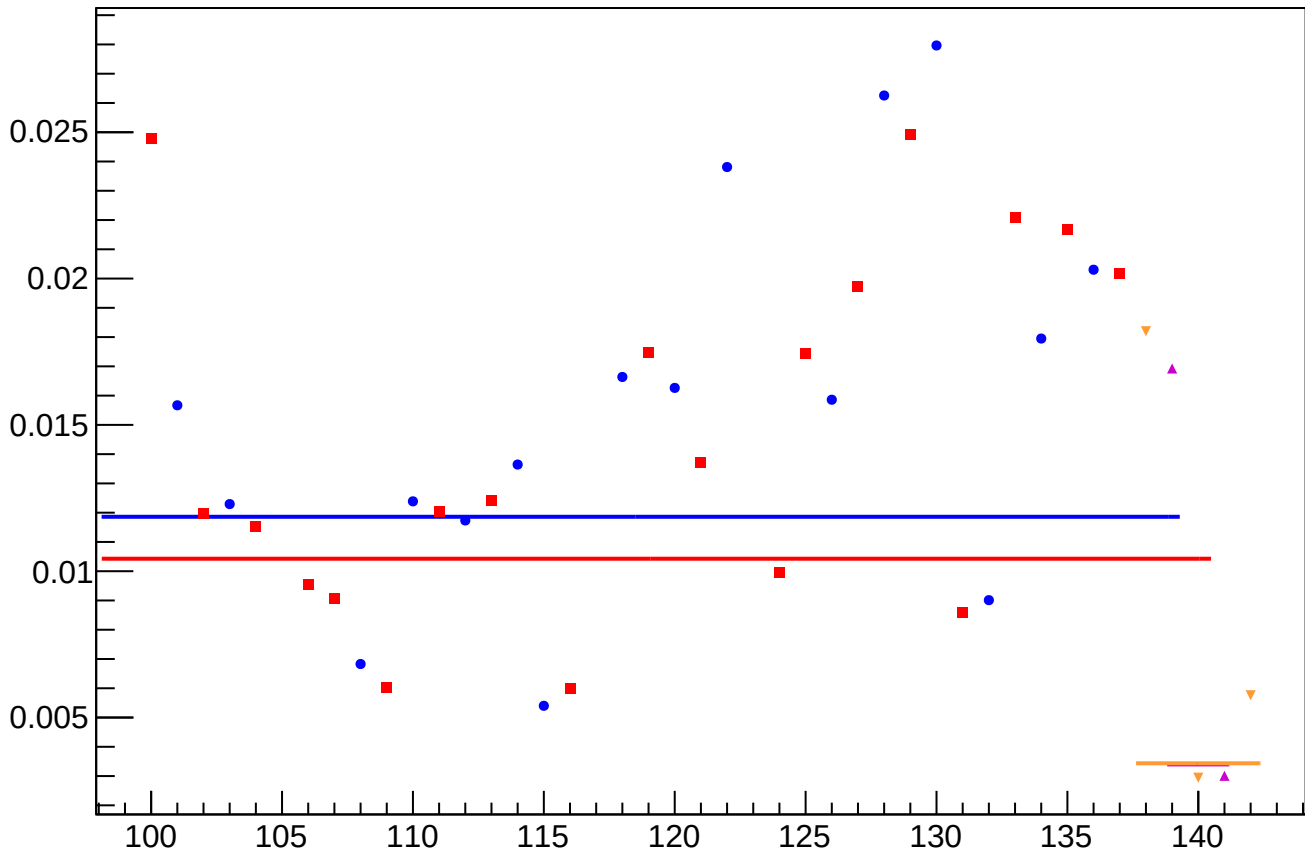
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 21.1/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 39.1/39

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 16.5/20

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: 0.003 $\pm$ 0.000 χ^2 /NDF:1112704.7/2

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 2355101.8/18

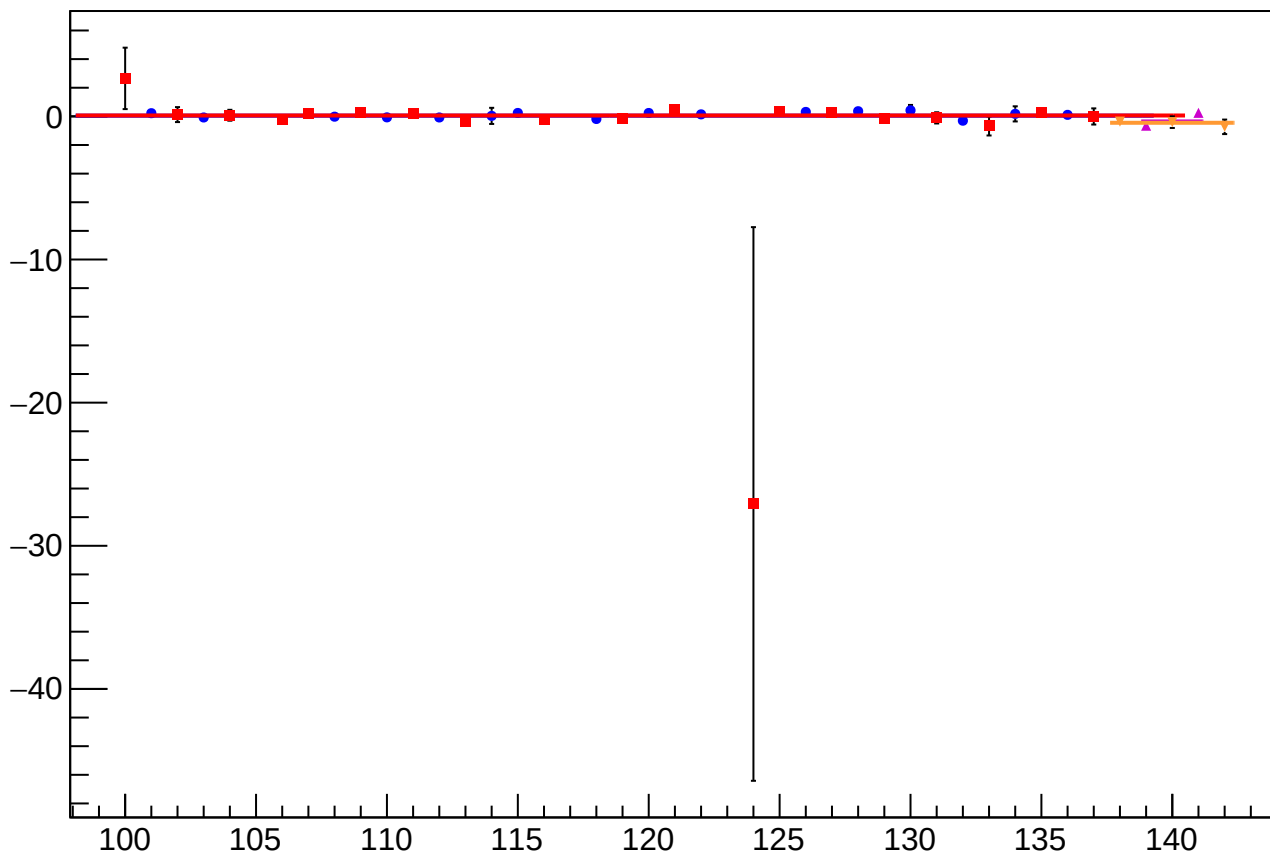
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:1052547.9/1

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7787106.2/18

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 14732474.6/39

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6944717.1/20

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.066 χ^2 /NDF: 7.6/15

Left Out: -0.448 $\pm$ 0.222 χ^2 /NDF: 0.4/2

Right Out: 0.061 $\pm$ 0.064 χ^2 /NDF: 18.4/18

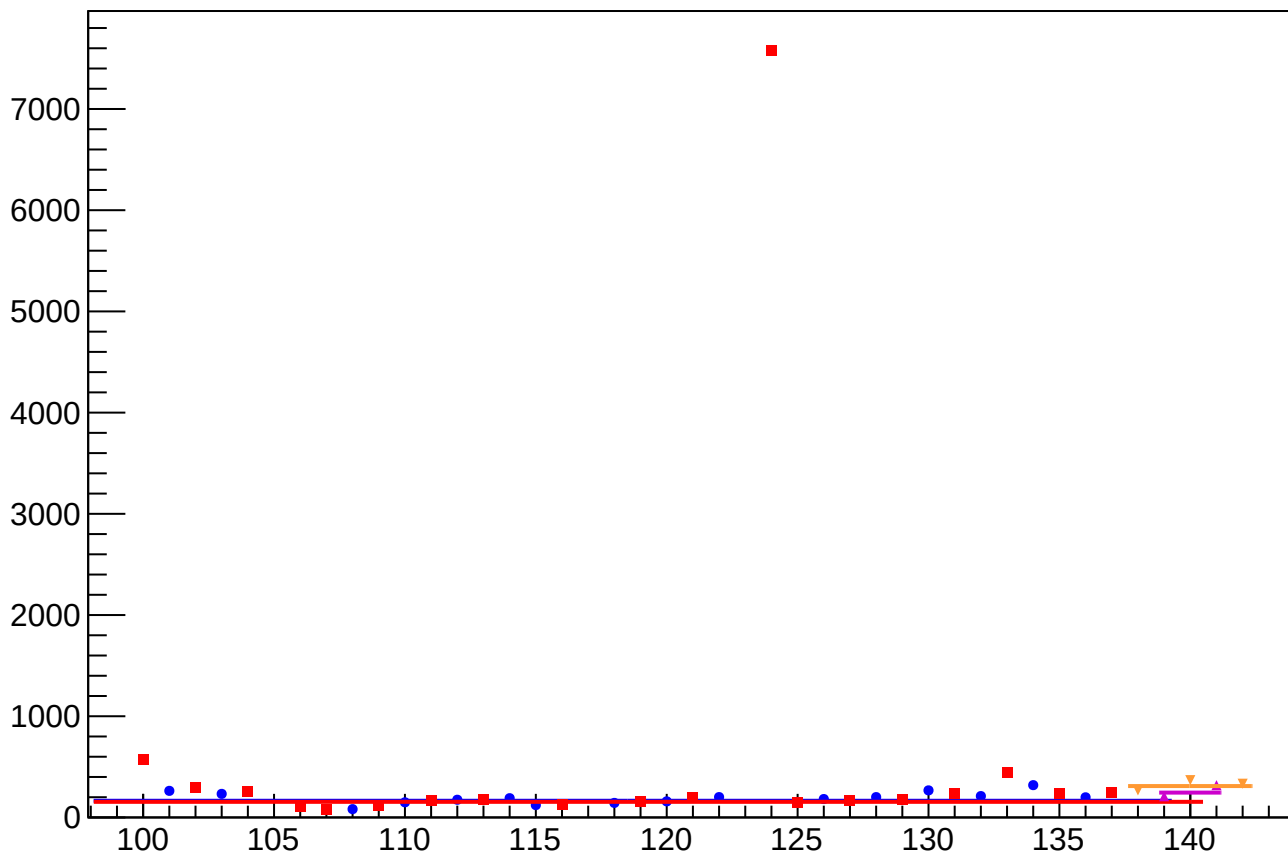
Left In: -0.354 $\pm$ 0.196 χ^2 /NDF: 4.7/1

+ sign 0.007 $\pm$ 0.064 χ^2 /NDF: 12.6/18

All: 0.014 $\pm$ 0.044 χ^2 /NDF: 39.7/39

- sign 0.021 $\pm$ 0.061 χ^2 /NDF: 27.1/20

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: 310.178 $\pm$ 0.157 χ^2 /NDF:83568.0/2

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921346.3/18

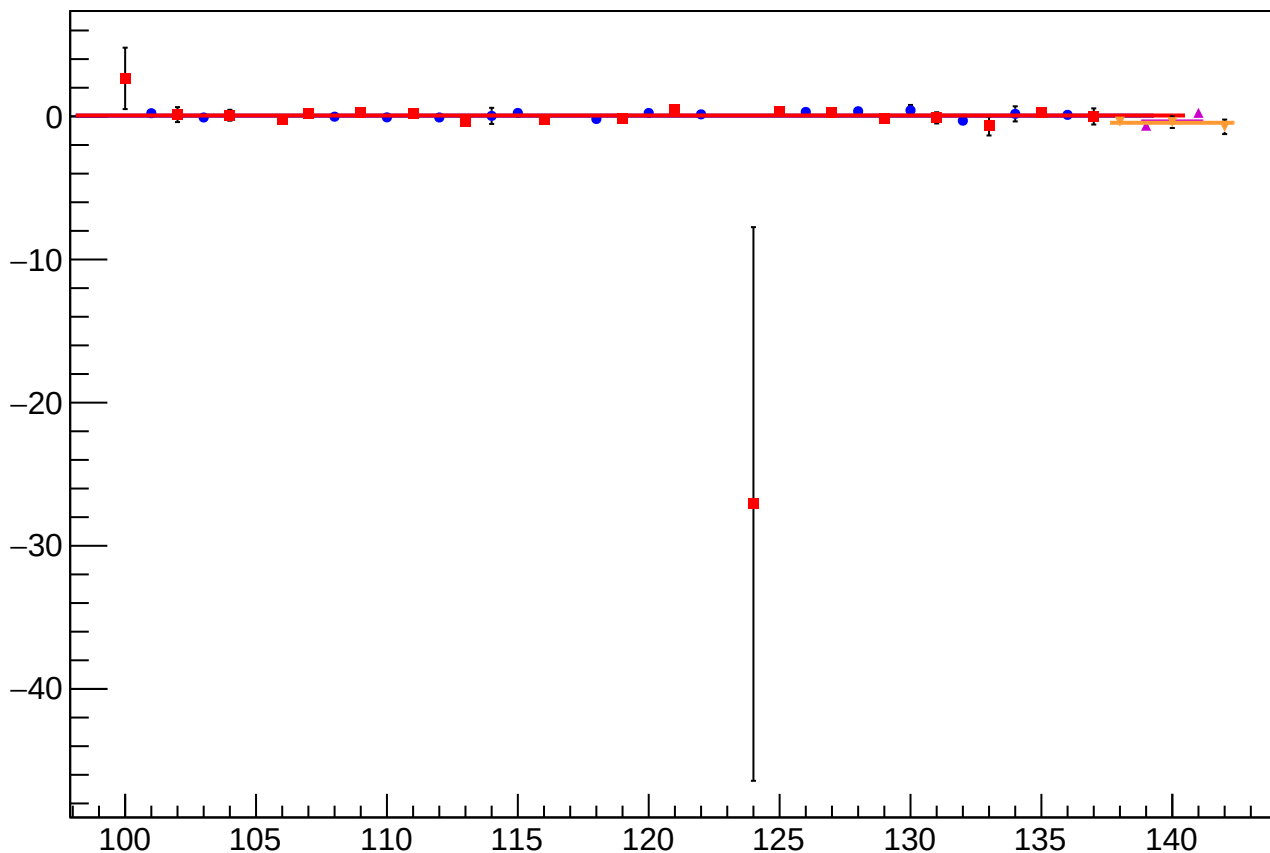
Left In: 245.540 $\pm$ 0.139 χ^2 /NDF:138743.7/1

+ sign 176.797 $\pm$ 0.045 χ^2 /NDF: 2344860.4/18

All: 169.775 $\pm$ 0.031 χ^2 /NDF: 4842703.6/39

- sign 163.280 $\pm$ 0.043 χ^2 /NDF: 2450941.3/20

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048 $\pm$ 0.066 χ^2 /NDF: 7.6/15

Left Out: -0.448 $\pm$ 0.222 χ^2 /NDF: 0.4/2

Right Out: 0.061 $\pm$ 0.064 χ^2 /NDF: 18.4/18

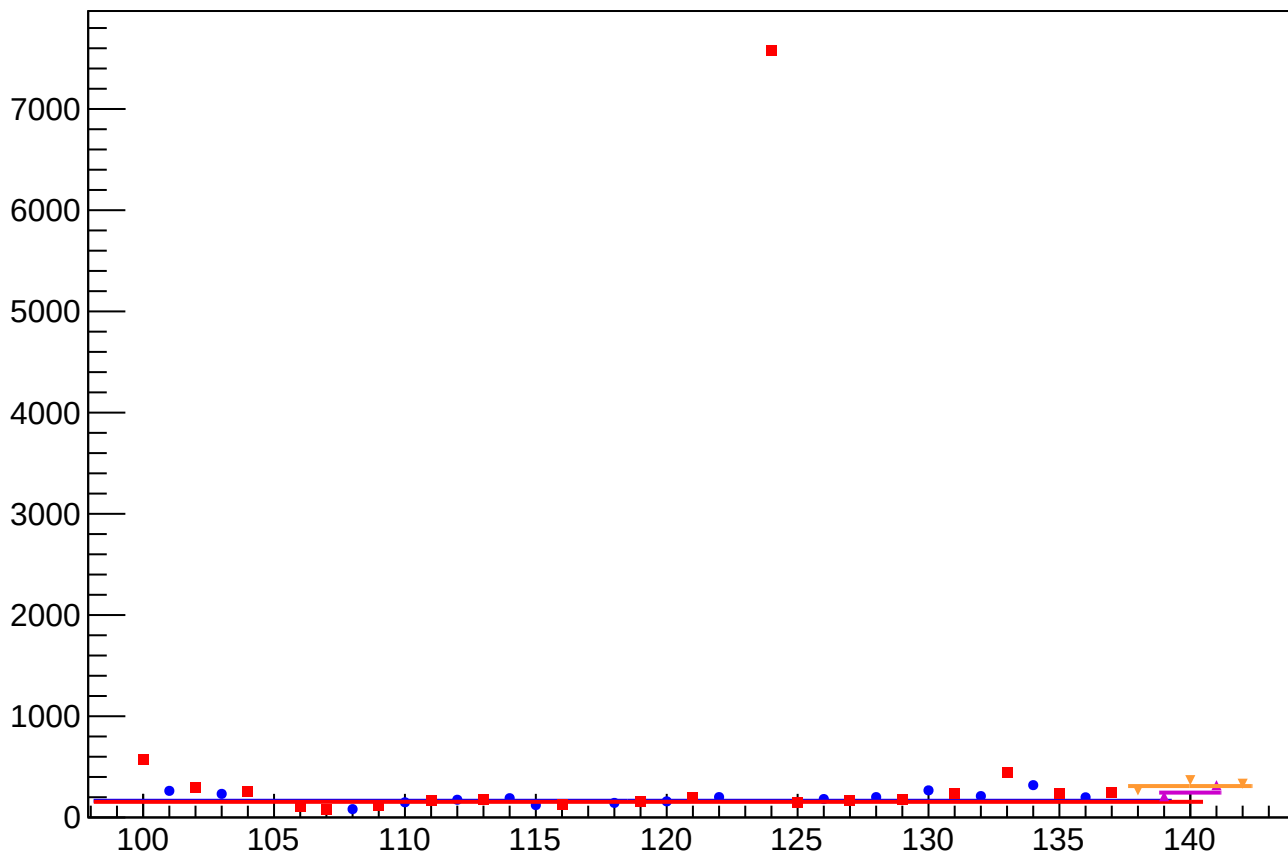
Left In: -0.354 $\pm$ 0.196 χ^2 /NDF: 4.7/1

+ sign 0.007 $\pm$ 0.064 χ^2 /NDF: 12.6/18

All: 0.014 $\pm$ 0.044 χ^2 /NDF: 39.7/39

- sign 0.021 $\pm$ 0.061 χ^2 /NDF: 27.1/20

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: 310.178 $\pm$ 0.157 χ^2 /NDF:83568.0/2

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921346.3/18

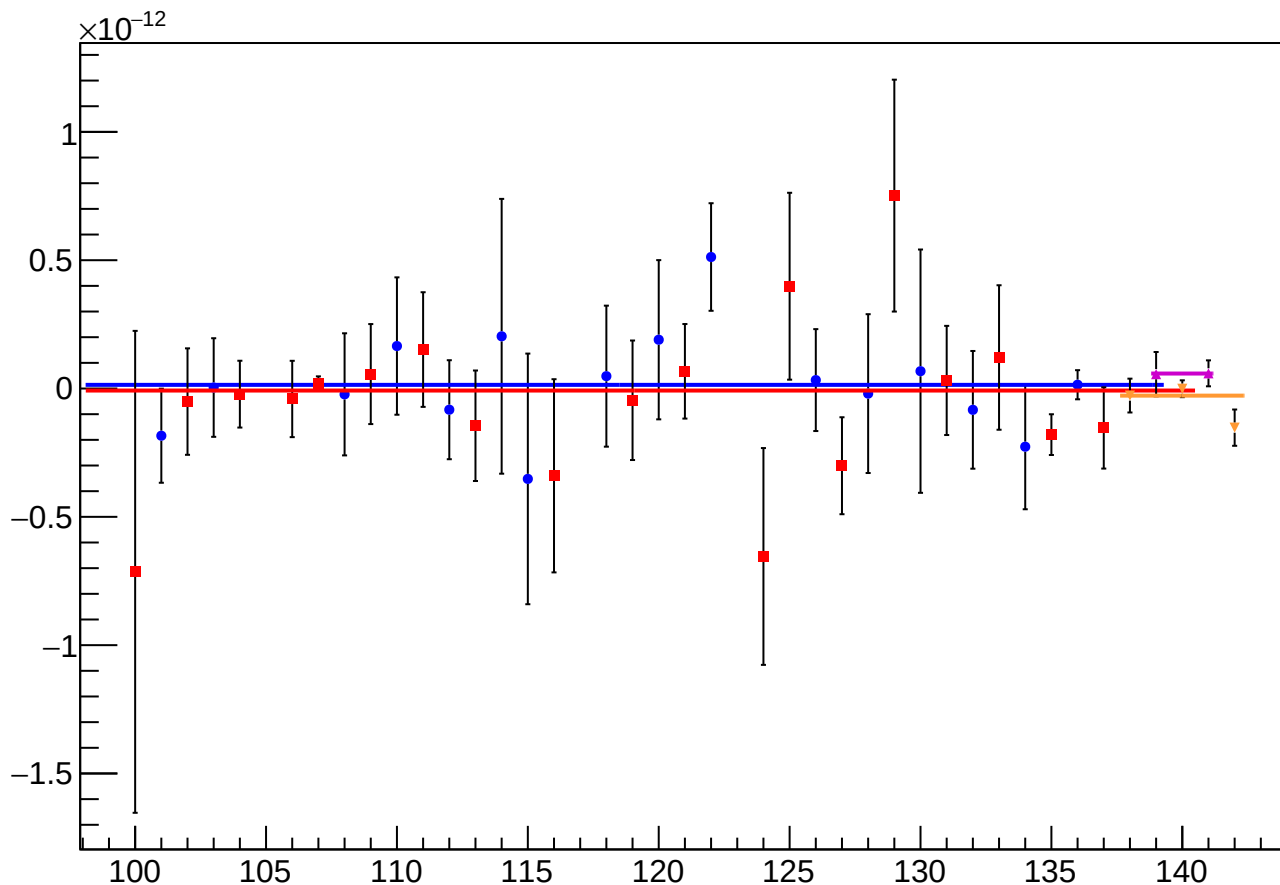
Left In: 245.540 $\pm$ 0.139 χ^2 /NDF:138743.7/1

+ sign 176.797 $\pm$ 0.045 χ^2 /NDF: 2344860.4/18

All: 169.775 $\pm$ 0.031 χ^2 /NDF: 4842703.6/39

- sign 163.280 $\pm$ 0.043 χ^2 /NDF: 2450941.3/20

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 9.6/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 3.8/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

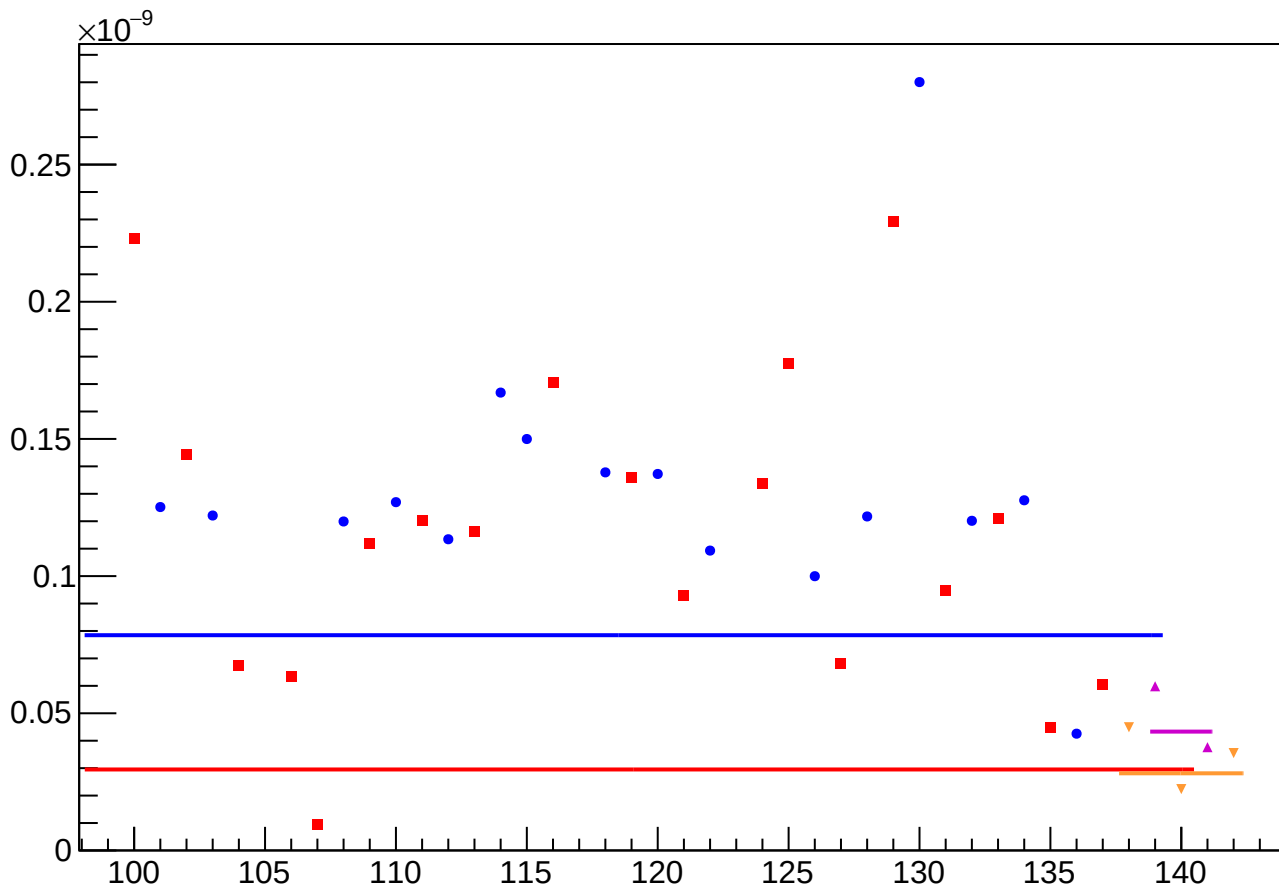
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 14.1/18

All: -0.000 ± 0.000 χ^2/NDF : 34.8/39

- sign 0.000 ± 0.000 χ^2/NDF : 20.2/20

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2103056.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 213056.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5487361.4/18

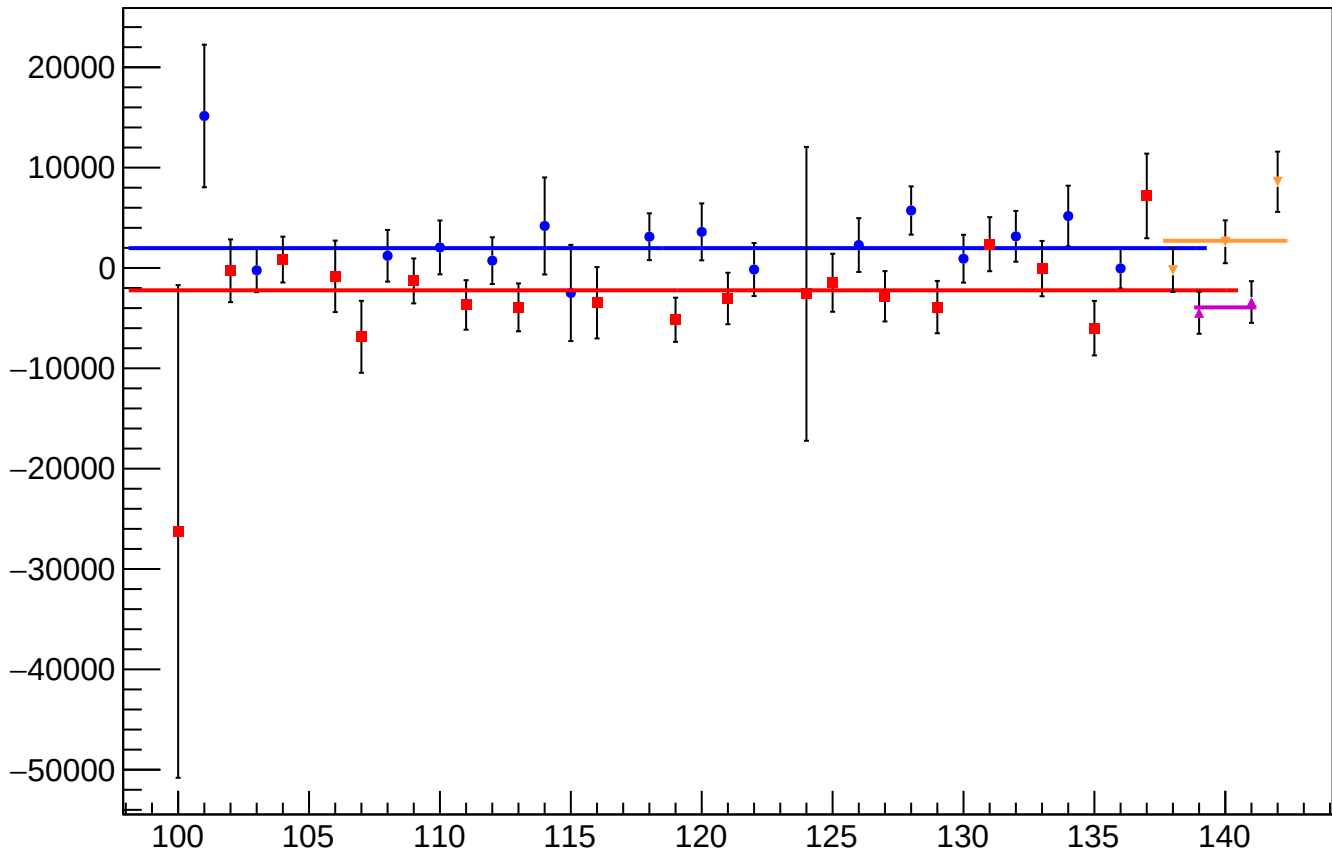
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 98448.9/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4316360.5/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 10282797.6/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 5742526.7/20

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF : 12.1/15

Left Out: 2709.091+/-1355.559 χ^2/NDF : 5.7/2

Right Out: -2226.171+/-656.286 χ^2/NDF : 19.0/18

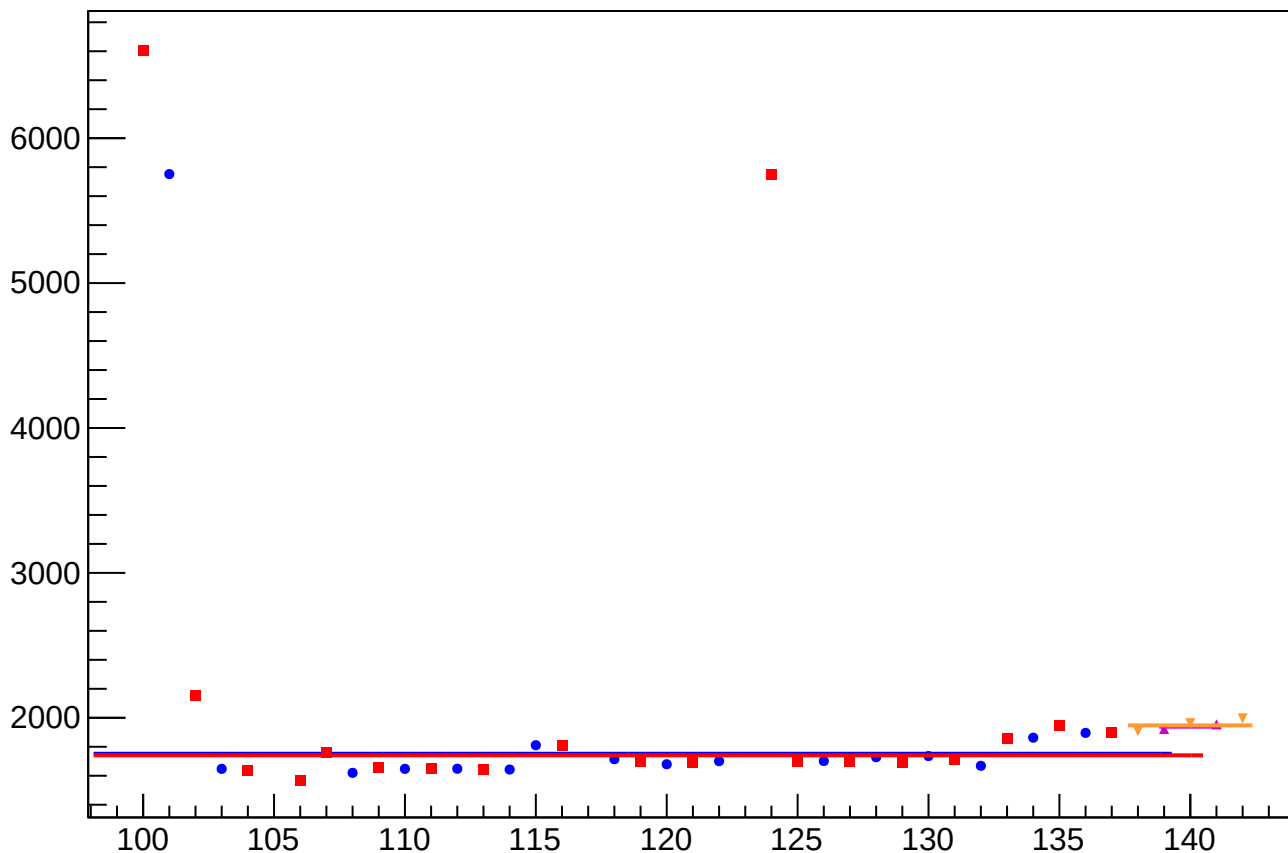
Left In: -3927.864+/-1473.880 χ^2/NDF : 0.1/1

+ sign 2119.379+/-598.987 χ^2/NDF : 18.0/18

All: -192.060+/-423.742 χ^2/NDF : 68.1/39

- sign -2507.742+/-599.536 χ^2/NDF : 20.2/20

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607 $\pm$ 0.472 χ^2 /NDF: 670651.4/15

Left Out: 1947.586 $\pm$ 0.959 χ^2 /NDF:1312.3/2

Right Out: 1741.052 $\pm$ 0.461 χ^2 /NDF: 304655.0/18

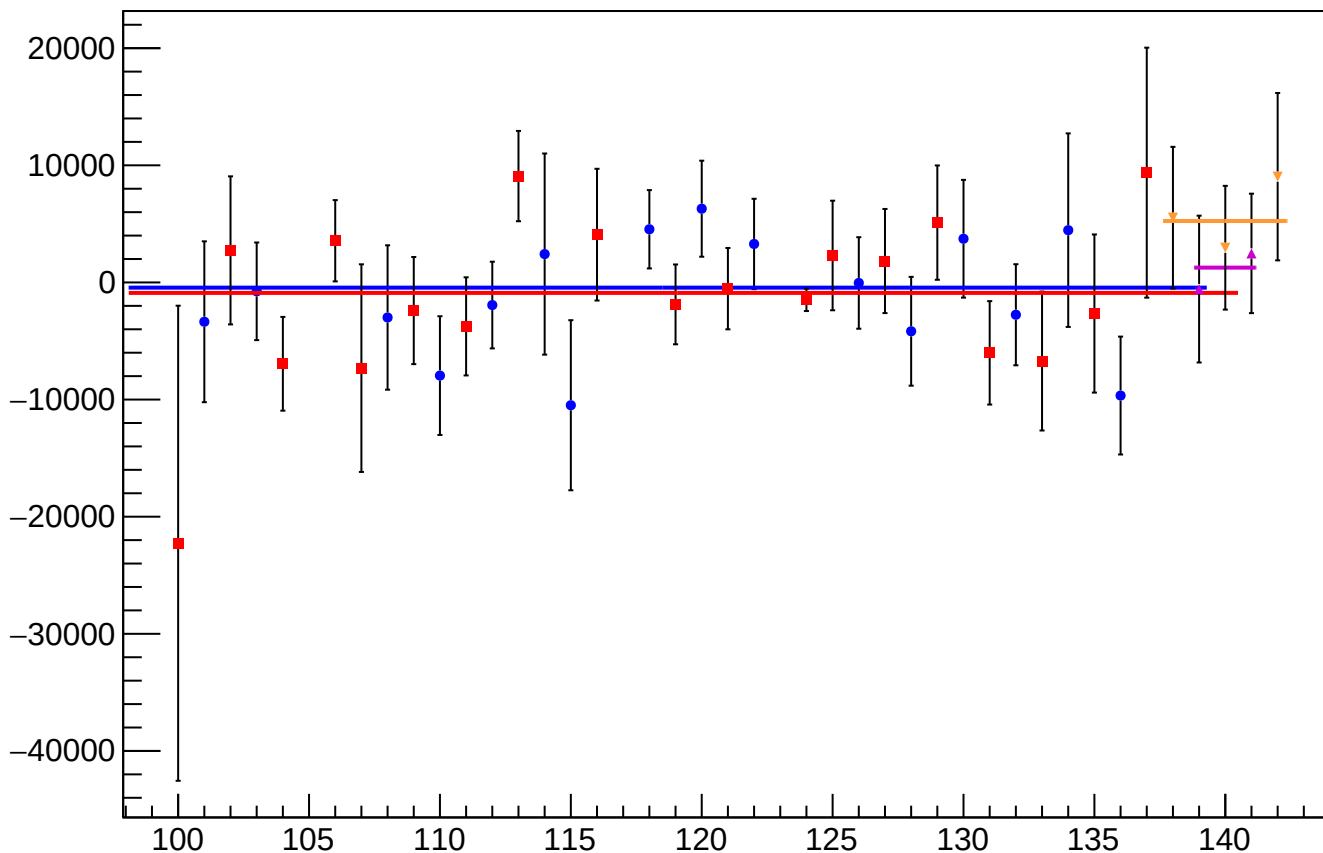
Left In: 1938.811 $\pm$ 1.042 χ^2 /NDF:232.7/1

+ sign 1789.872 $\pm$ 0.424 χ^2 /NDF: 705605.0/18

All: 1781.579 $\pm$ 0.299 χ^2 /NDF: 1041377.1/39

- sign 1773.373 $\pm$ 0.421 χ^2 /NDF: 335009.4/20

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF : 15.9/15

Left Out: 5246.530+/-3475.923 χ^2/NDF : 0.5/2

Right Out: -892.237+/-725.737 χ^2/NDF : 20.1/18

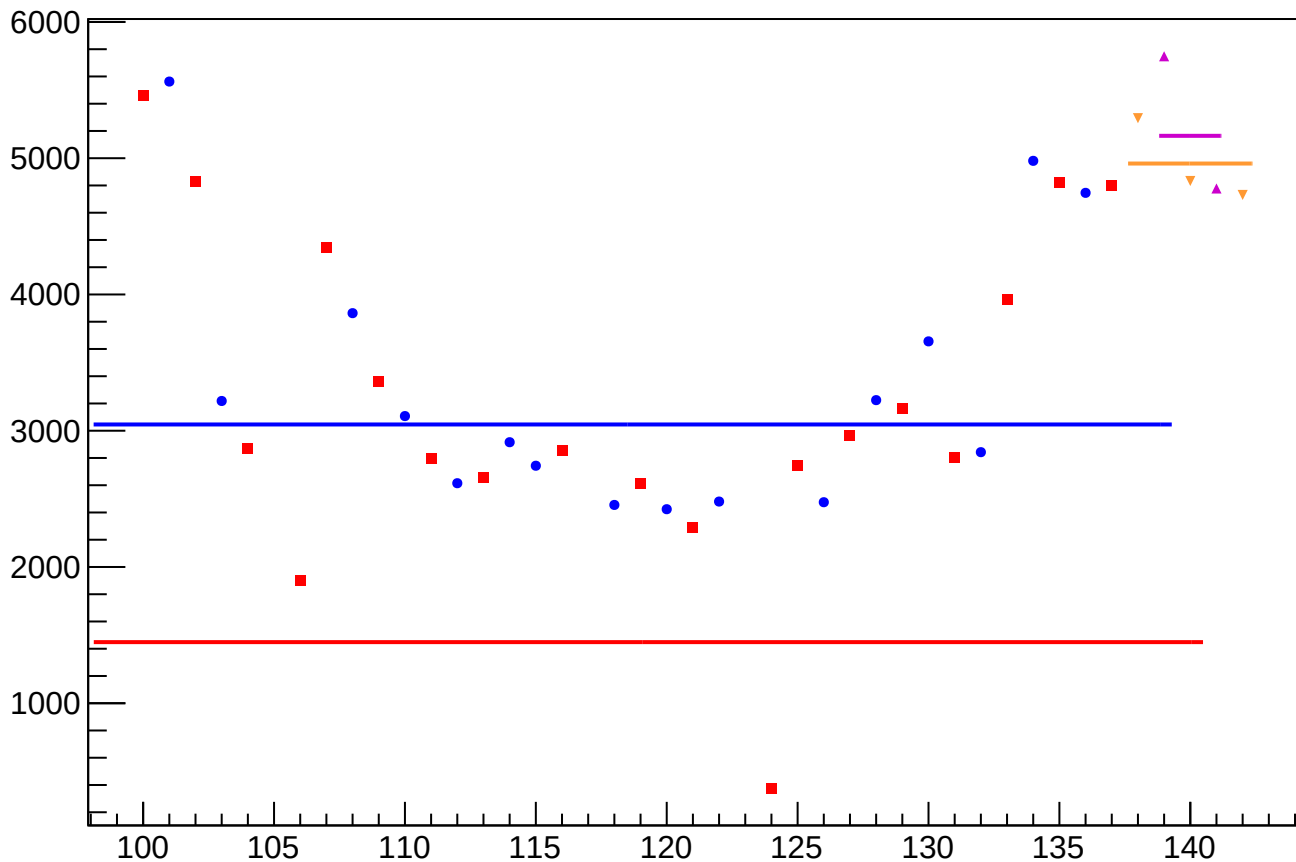
Left In: 1265.437+/-3955.222 χ^2/NDF : 0.1/1

+ sign 138.839+/-1112.652 χ^2/NDF : 18.8/18

All: -541.813+/-600.807 χ^2/NDF : 39.8/39

- sign -821.959+/-713.820 χ^2/NDF : 20.5/20

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF : 907385.5/15

Left Out: 4960.928+/-2.458 χ^2/NDF : 9321.3/2

Right Out: 1448.519+/-0.513 χ^2/NDF : 6786925.8/18

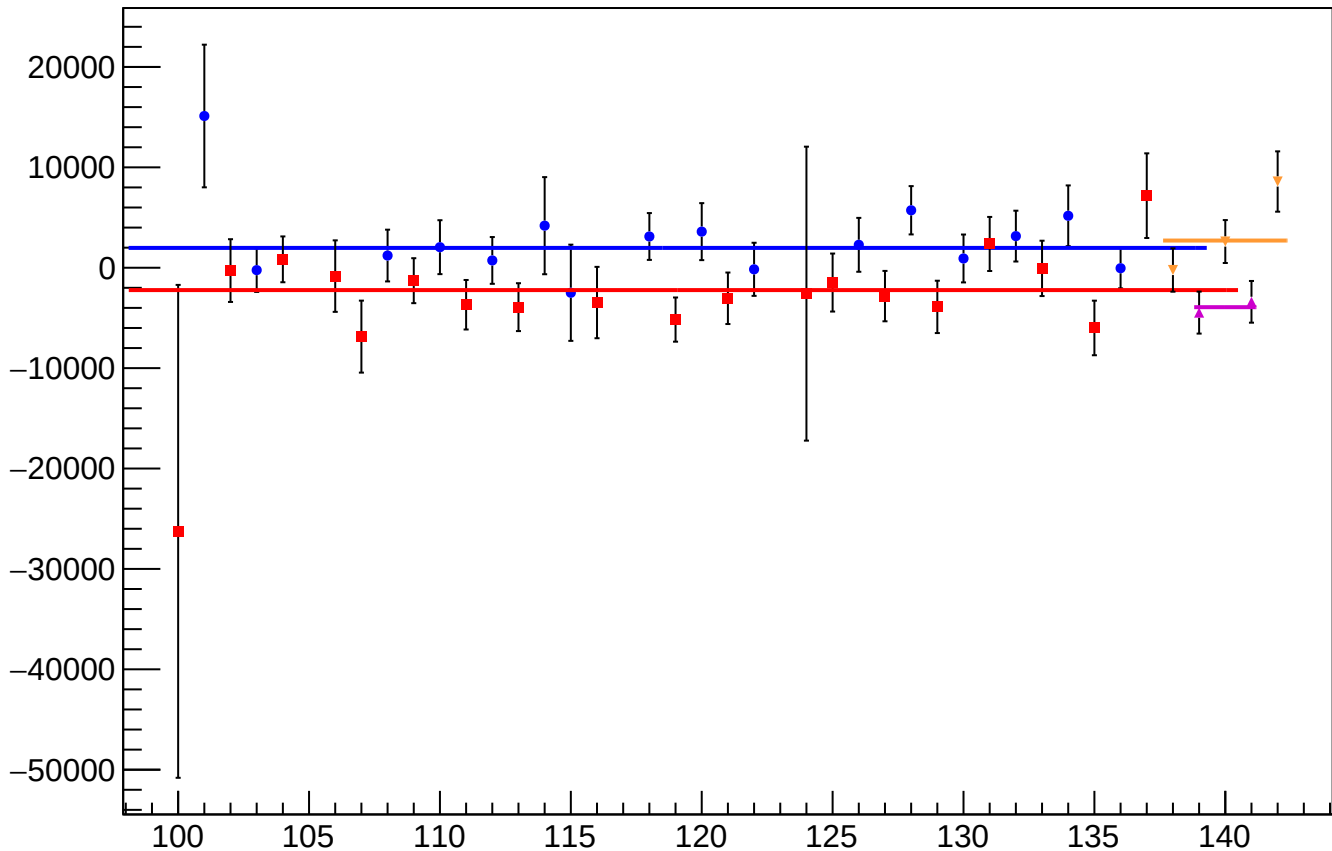
Left In: 5164.333+/-2.797 χ^2/NDF : 28842.3/1

+ sign 3242.140+/-0.787 χ^2/NDF : 1461564.9/18

All: 2057.236+/-0.425 χ^2/NDF : 13186774.7/3

- sign 1569.548+/-0.505 χ^2/NDF : 8523481.4/20

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946 $\pm$ 667.710 χ^2 /NDF: 12.1/15

Left Out: 2709.307 $\pm$ 1355.559 χ^2 /NDF:5.7/2

Right Out: -2226.267 $\pm$ 656.286 χ^2 /NDF: 19.0/18

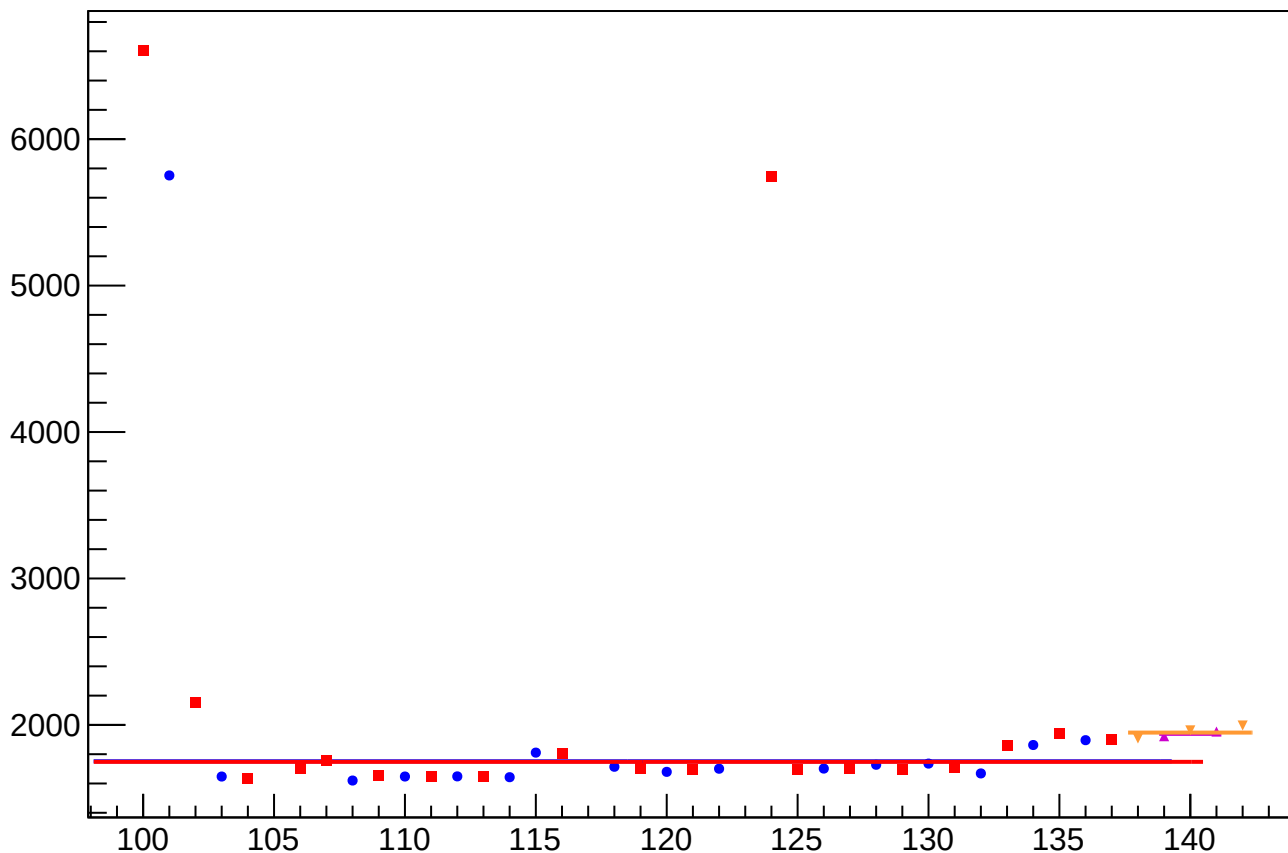
Left In: -3928.008 $\pm$ 1473.880 χ^2 /NDF:0.1/1

+ sign 2119.137 $\pm$ 598.987 χ^2 /NDF: 18.0/18

All: -192.233 $\pm$ 423.742 χ^2 /NDF: 68.0/39

- sign -2507.846 $\pm$ 599.536 χ^2 /NDF: 20.2/20

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606 $\pm$ 0.472 χ^2 /NDF: 670651.6/15

Left Out: 1947.586 $\pm$ 0.959 χ^2 /NDF:1312.3/2

Right Out: 1747.786 $\pm$ 0.462 χ^2 /NDF: 297917.6/18

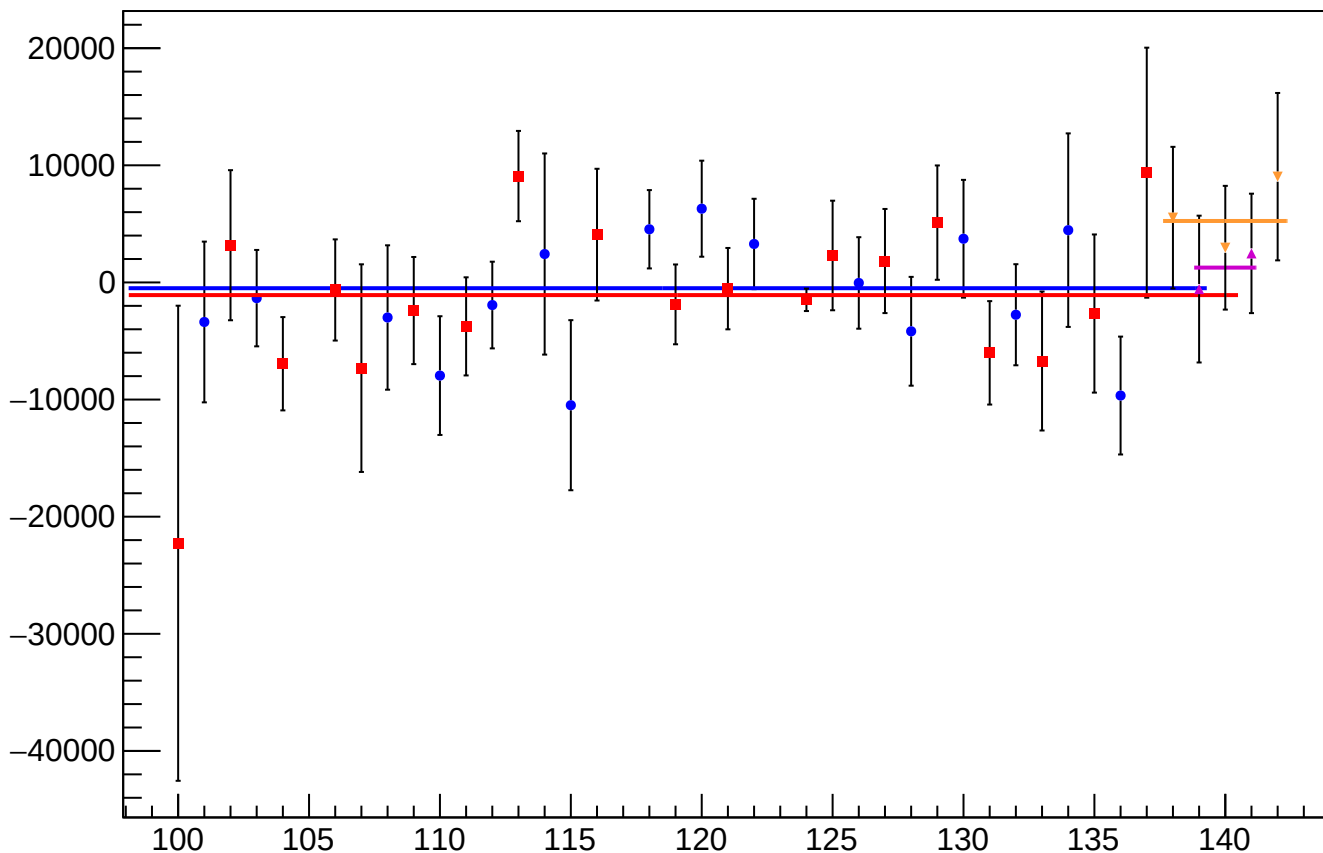
Left In: 1938.811 $\pm$ 1.042 χ^2 /NDF:232.7/1

+ sign 1789.872 $\pm$ 0.424 χ^2 /NDF: 705605.3/18

All: 1784.522 $\pm$ 0.299 χ^2 /NDF: 1032145.6/39

- sign 1779.197 $\pm$ 0.423 χ^2 /NDF: 326222.0/20

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916 ± 1173.239 χ^2/NDF : 16.0/15

Left Out: 5246.752 ± 3475.923 χ^2/NDF : 0.5/2

Right Out: -1080.924 ± 731.458 χ^2/NDF : 18.5/18

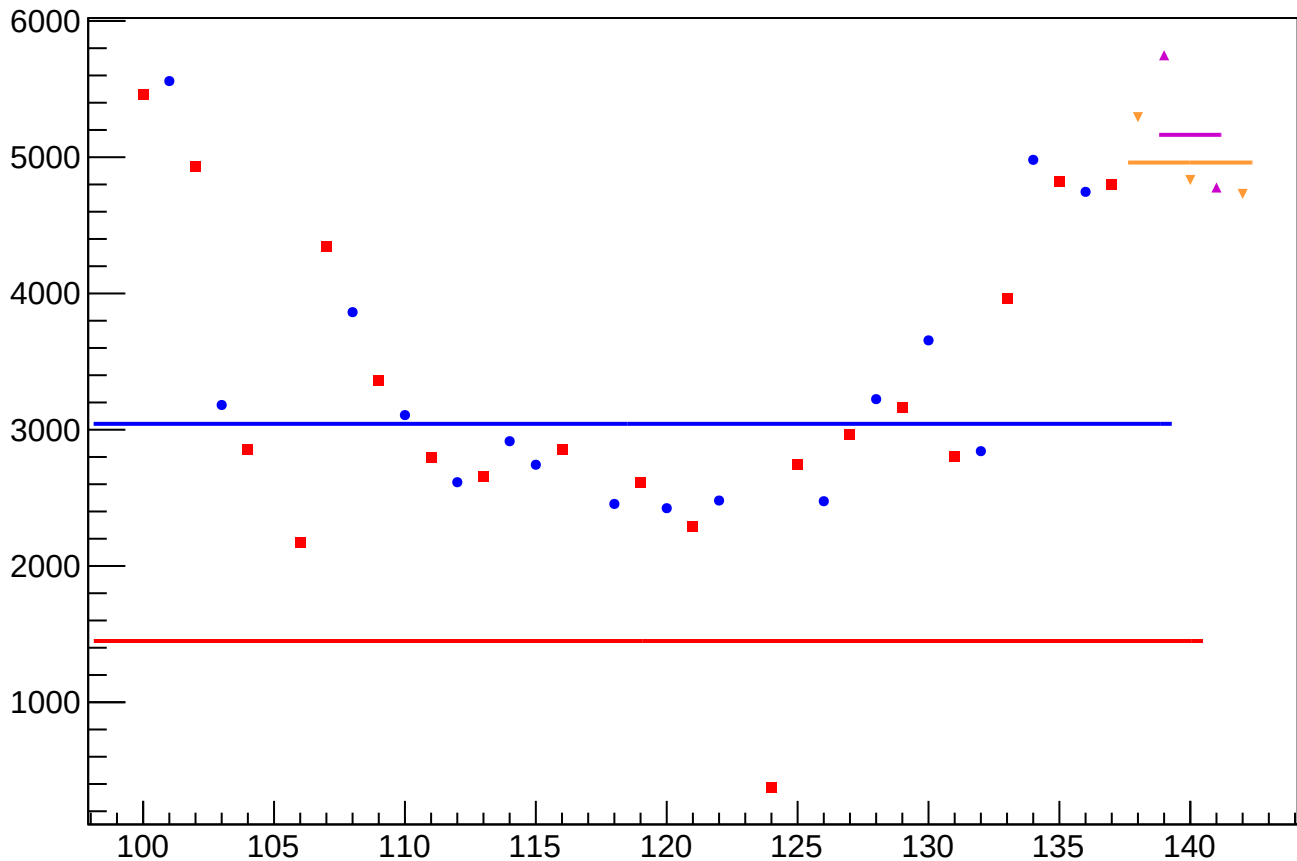
Left In: 1265.611 ± 3955.219 χ^2/NDF : 0.1/1

+ sign 94.116 ± 1111.624 χ^2/NDF : 18.9/18

All: -679.461 ± 603.877 χ^2/NDF : 38.5/39

- sign -1003.325 ± 719.262 χ^2/NDF : 18.9/20

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270 $\pm$ 0.830 χ^2/NDF : 905659.7/15

Left Out: 4960.928 $\pm$ 2.458 χ^2/NDF : 9320.8/2

Right Out: 1449.516 $\pm$ 0.517 χ^2/NDF : 6825716.5/18

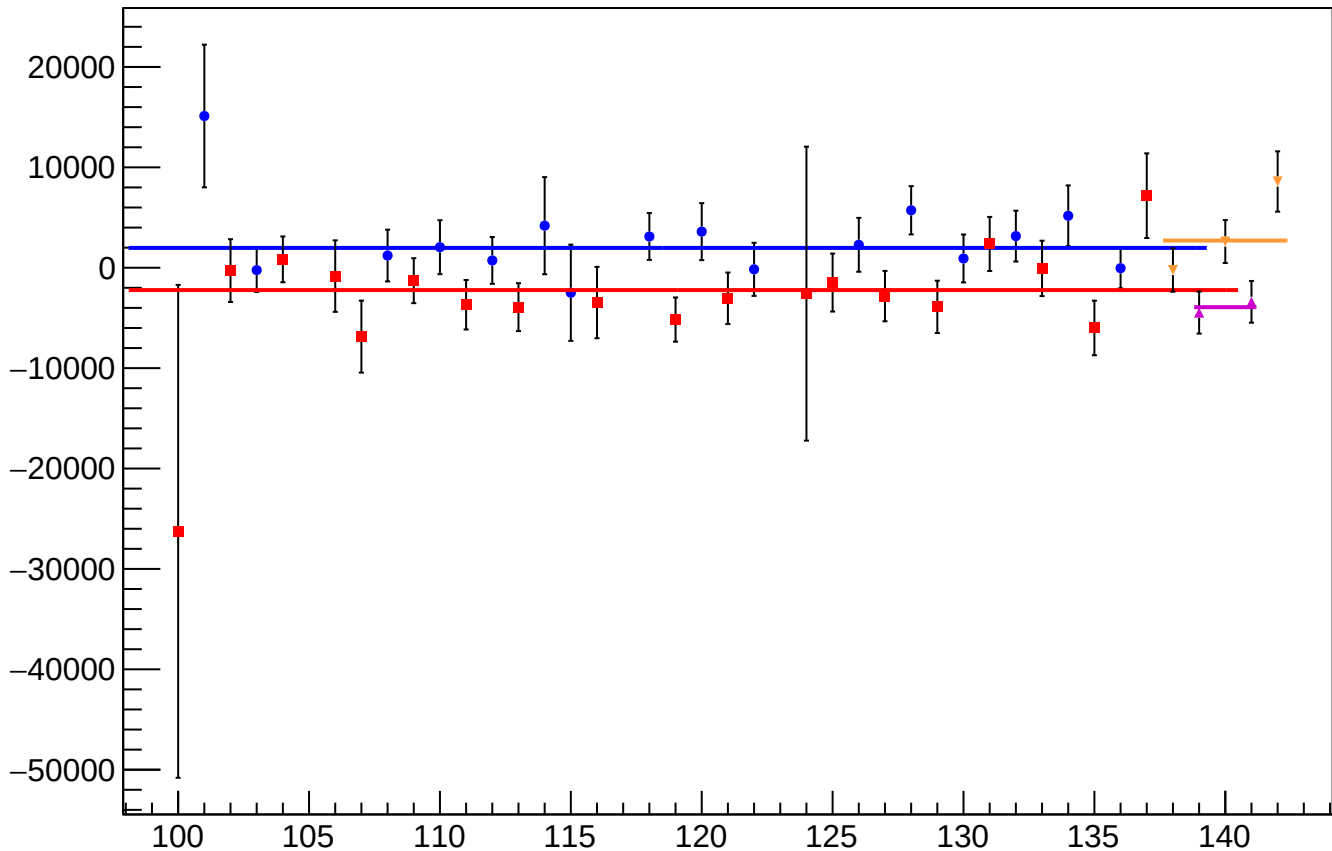
Left In: 5164.327 $\pm$ 2.797 χ^2/NDF : 28843.4/1

+ sign 3239.401 $\pm$ 0.786 χ^2/NDF : 1461460.7/18

All: 2064.320 $\pm$ 0.427 χ^2/NDF : 13192432.8/3

- sign 1572.364 $\pm$ 0.509 χ^2/NDF : 8560475.1/20

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF : 12.1/15

Left Out: 2709.307+/-1355.559 χ^2/NDF : 5.7/2

Right Out: -2226.267+/-656.286 χ^2/NDF : 19.0/18

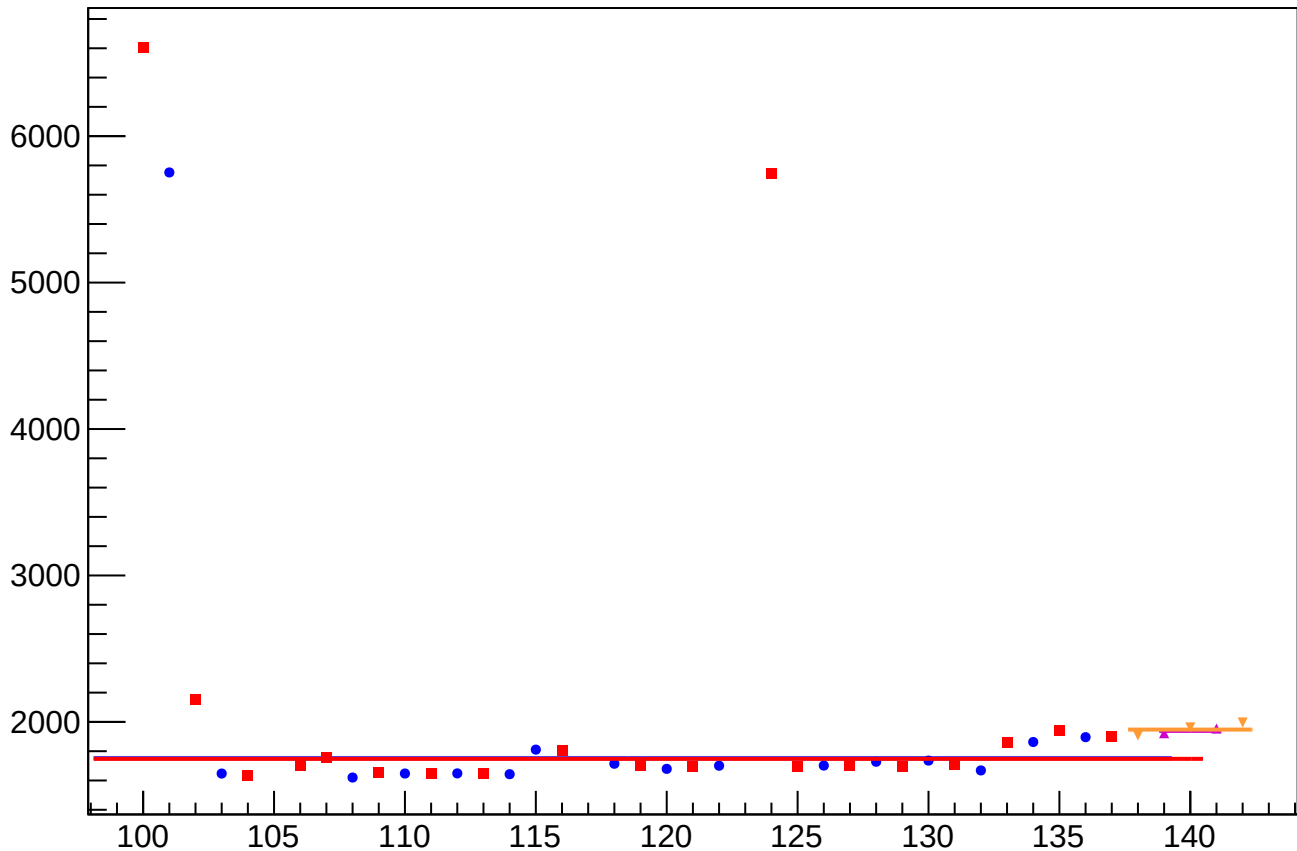
Left In: -3928.008+/-1473.880 χ^2/NDF : 0.1/1

+ sign 2119.137+/-598.987 χ^2/NDF : 18.0/18

All: -192.233+/-423.742 χ^2/NDF : 68.0/39

- sign -2507.846+/-599.536 χ^2/NDF : 20.2/20

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606 $\pm$ 0.472 χ^2 /NDF: 670651.6/15

Left Out: 1947.586 $\pm$ 0.959 χ^2 /NDF:1312.3/2

Right Out: 1747.786 $\pm$ 0.462 χ^2 /NDF: 297917.6/18

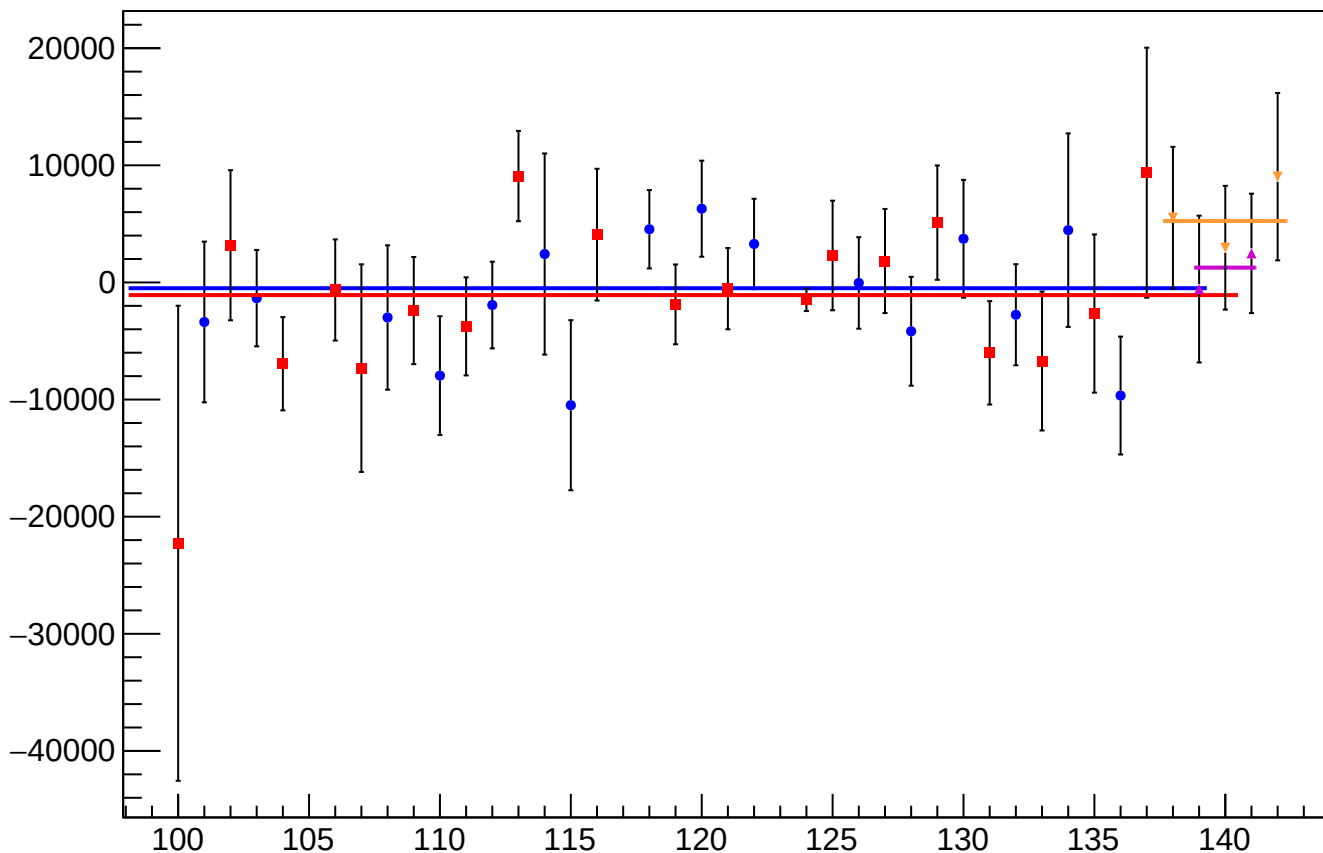
Left In: 1938.811 $\pm$ 1.042 χ^2 /NDF:232.7/1

+ sign 1789.872 $\pm$ 0.424 χ^2 /NDF: 705605.3/18

All: 1784.522 $\pm$ 0.299 χ^2 /NDF: 1032145.6/39

- sign 1779.197 $\pm$ 0.423 χ^2 /NDF: 326222.0/20

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF : 16.0/15

Left Out: 5246.752+/-3475.923 χ^2/NDF : 0.5/2

Right Out: -1080.924+/-731.458 χ^2/NDF : 18.5/18

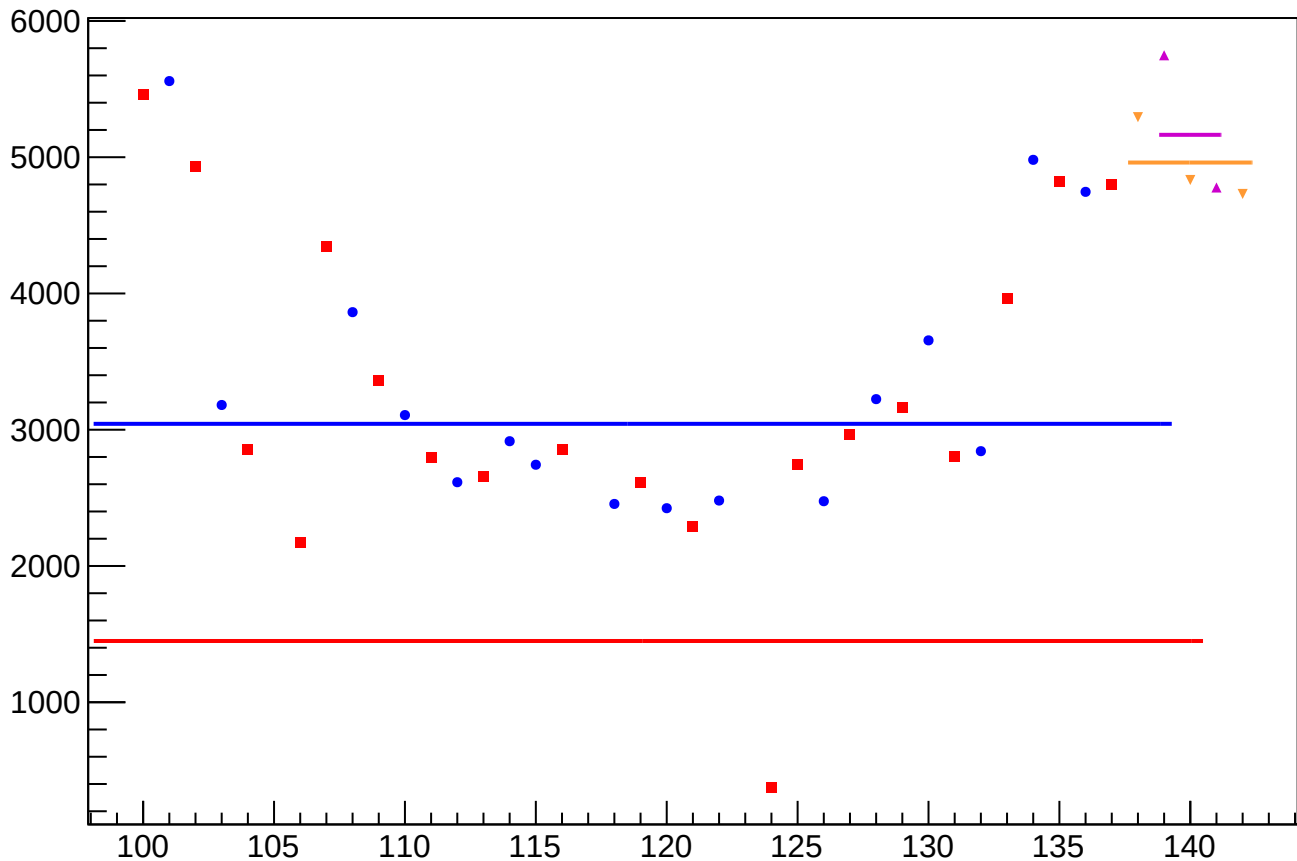
Left In: 1265.611+/-3955.219 χ^2/NDF : 0.1/1

+ sign 94.116+/-1111.624 χ^2/NDF : 18.9/18

All: -679.461+/-603.877 χ^2/NDF : 38.5/39

- sign -1003.325+/-719.262 χ^2/NDF : 18.9/20

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF : 905659.7/15

Left Out: 4960.928+/-2.458 χ^2/NDF : 9320.8/2

Right Out: 1449.516+/-0.517 χ^2/NDF : 6825716.5/18

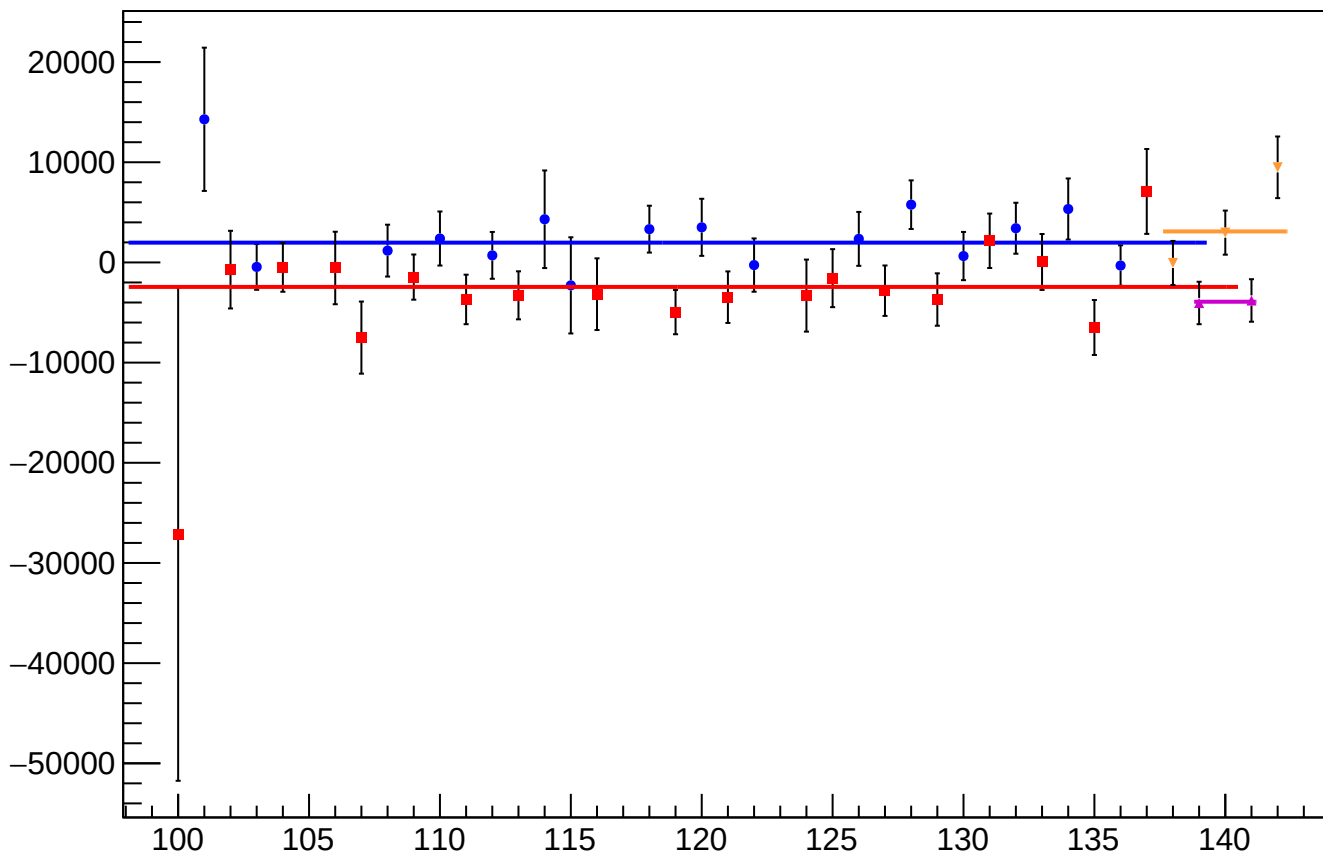
Left In: 5164.327+/-2.797 χ^2/NDF : 28843.4/1

+ sign 3239.401+/-0.786 χ^2/NDF : 1461460.7/18

All: 2064.320+/-0.427 χ^2/NDF : 13192432.8/3

- sign 1572.364+/-0.509 χ^2/NDF : 8560475.1/20

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF : 12.4/15

Left Out: 3094.925+/-1387.666 χ^2/NDF : 6.4/2

Right Out: -2444.199+/-657.682 χ^2/NDF : 17.5/18

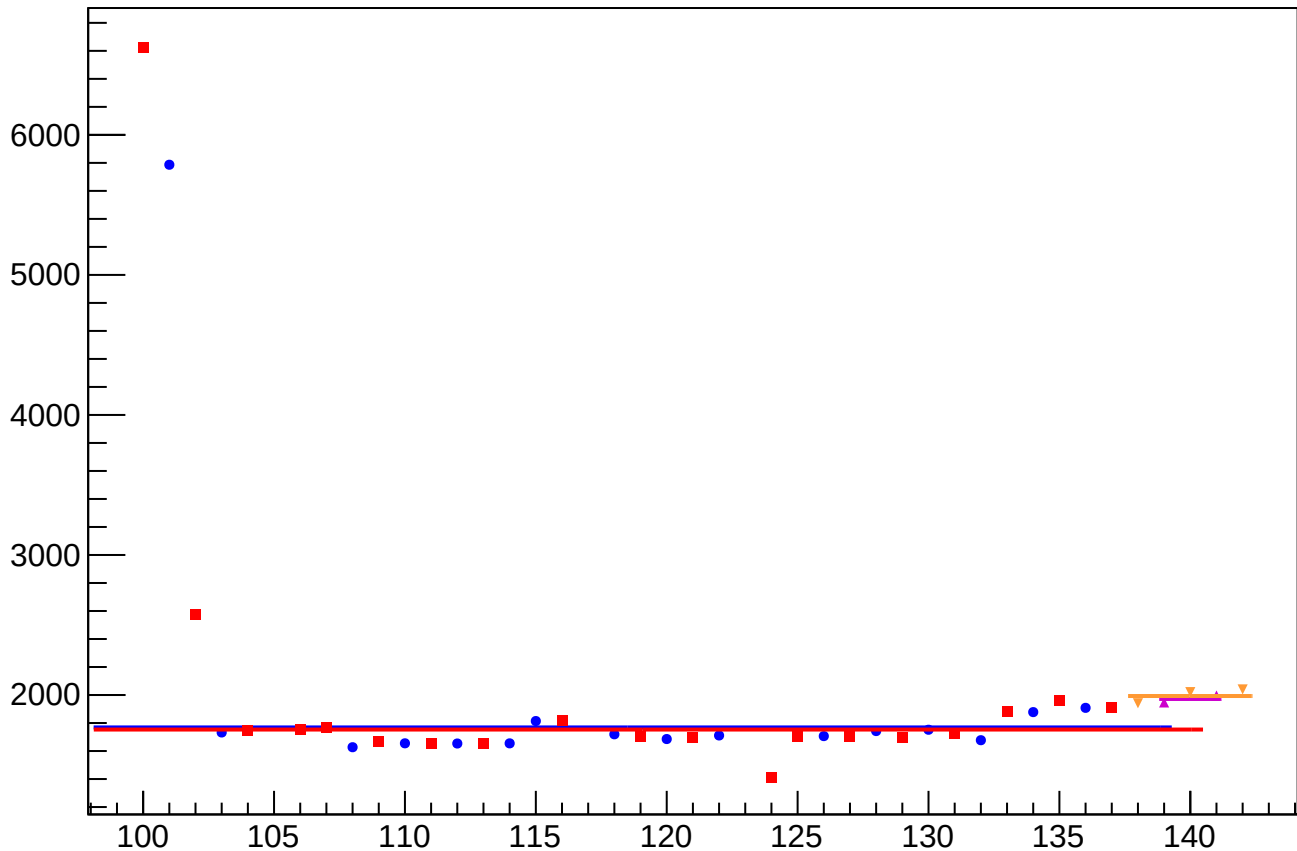
Left In: -3922.599+/-1499.115 χ^2/NDF : 0.0/1

+ sign 2189.467+/-606.333 χ^2/NDF : 19.3/18

All: -263.048+/-427.299 χ^2/NDF : 70.1/39

- sign -2682.819+/-602.272 χ^2/NDF : 18.3/20

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF : 667367.4/15

Left Out: 1992.822+/-0.981 χ^2/NDF : 1896.5/2

Right Out: 1753.383+/-0.464 χ^2/NDF : 218864.4/18

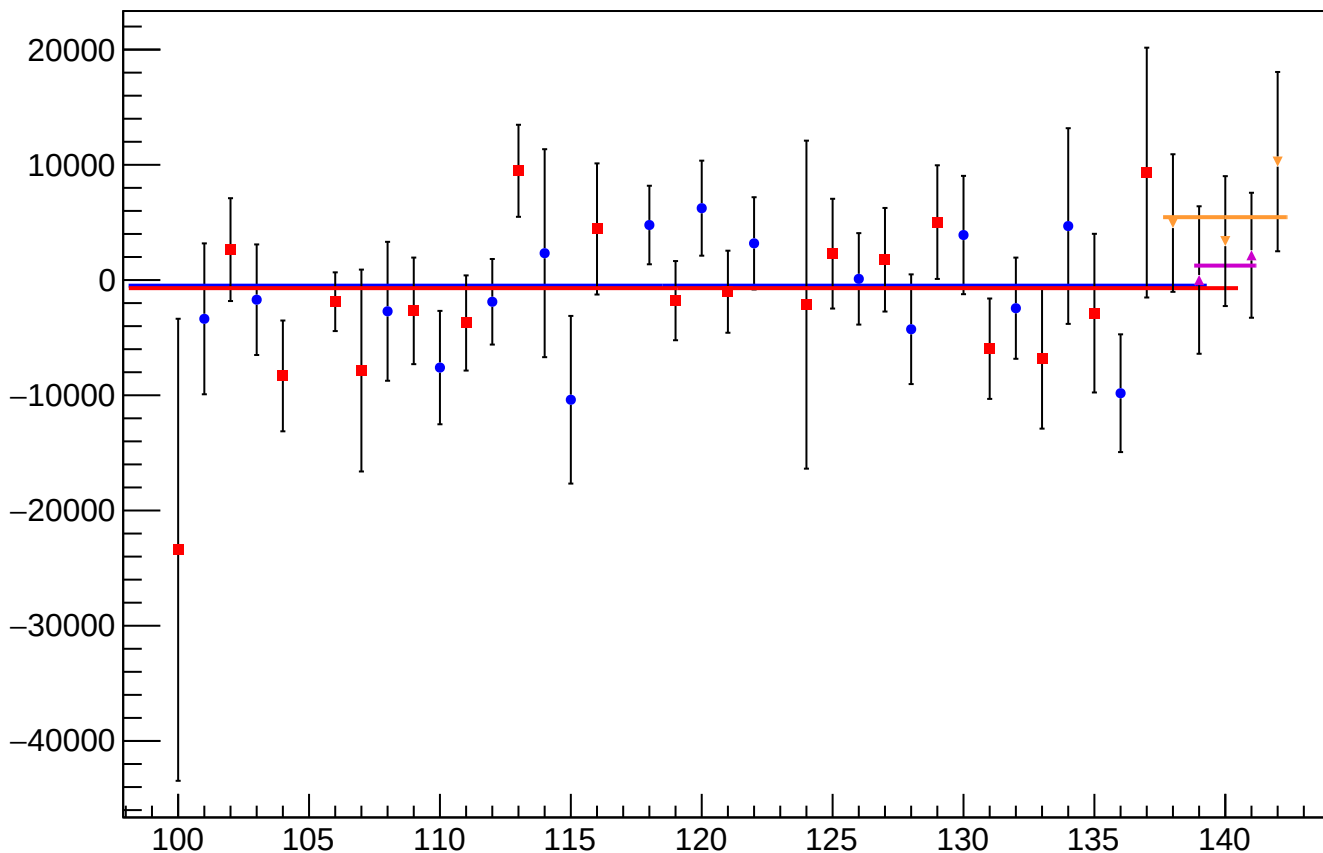
Left In: 1971.699+/-1.060 χ^2/NDF : 548.8/1

+ sign 1811.311+/-0.429 χ^2/NDF : 711557.2/18

All: 1799.785+/-0.302 χ^2/NDF : 968003.6/39

- sign 1788.463+/-0.425 χ^2/NDF : 255013.7/20

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104 ± 1198.506 χ^2/NDF : 15.8/15

Left Out: 5456.691 ± 3626.266 χ^2/NDF : 0.5/2

Right Out: -703.324 ± 1069.467 χ^2/NDF : 18.8/18

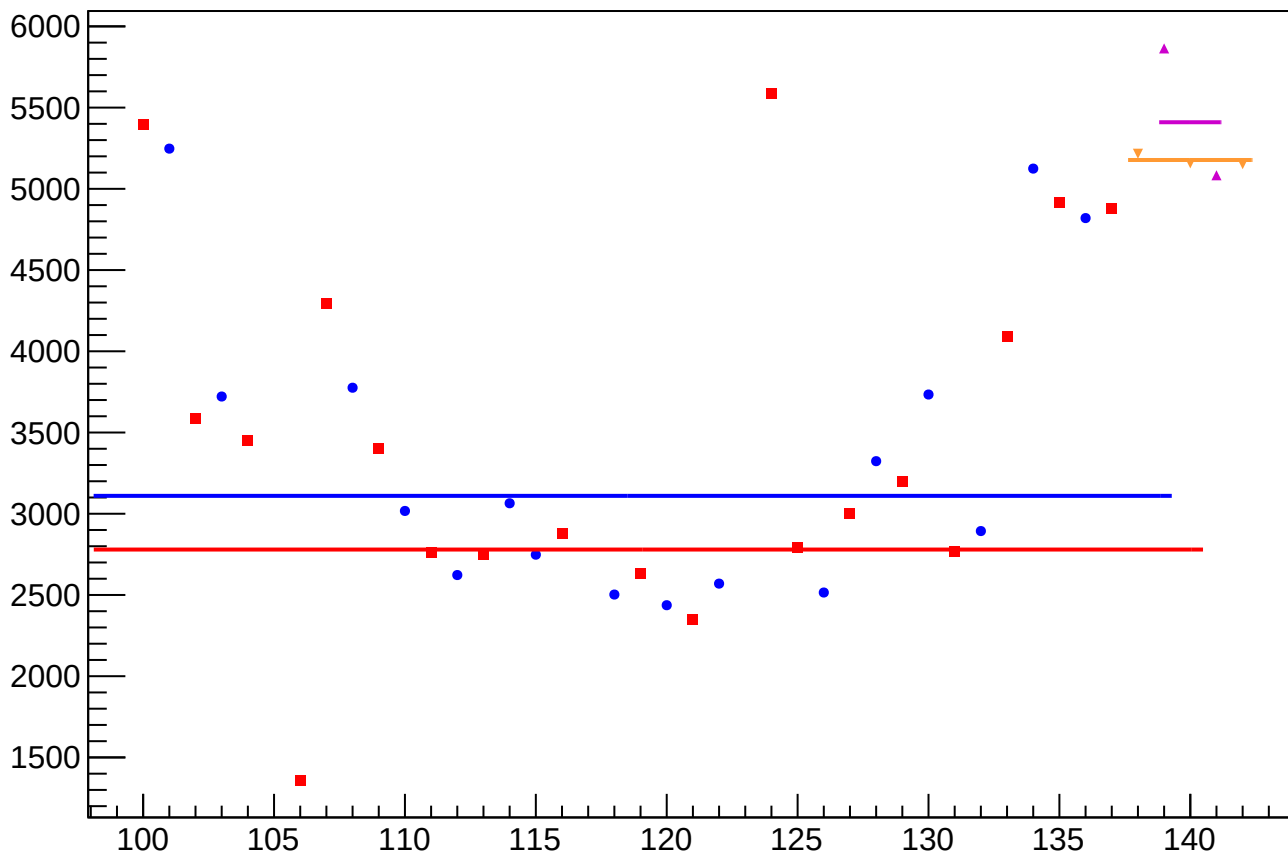
Left In: 1253.414 ± 4137.760 χ^2/NDF : 0.1/1

+ sign 97.325 ± 1137.963 χ^2/NDF : 18.7/18

All: -273.650 ± 765.853 χ^2/NDF : 38.0/39

- sign -580.791 ± 1035.440 χ^2/NDF : 19.1/20

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF : 883262.4/15

Left Out: 5177.502+/-2.564 χ^2/NDF :132.0/2

+ sign 3313.722+/-0.805 χ^2/NDF : 1469429.3/18

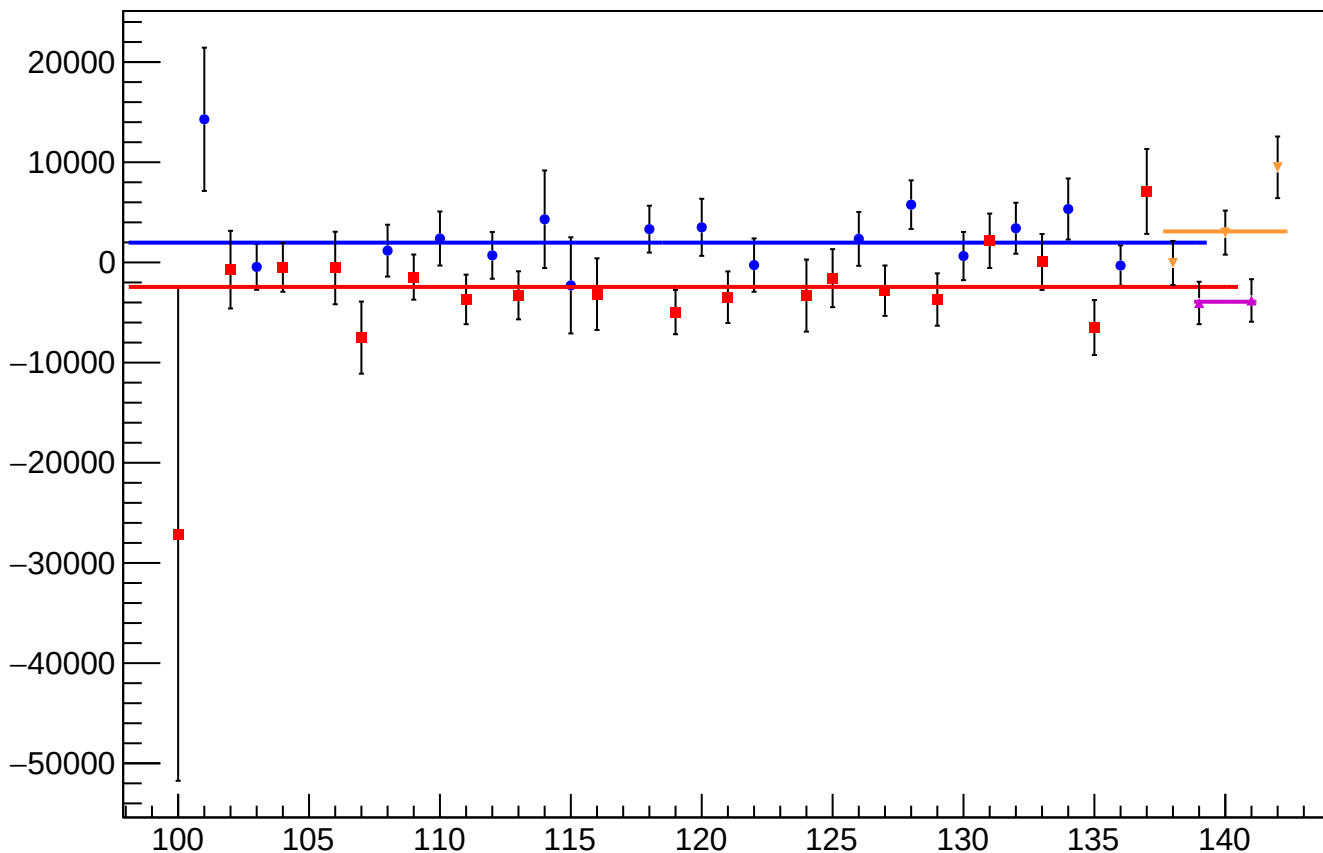
Right Out: 2779.630+/-0.756 χ^2/NDF : 1348141.7/18

All: 3111.645+/-0.542 χ^2/NDF : 3707736.1/39

- sign 2944.340+/-0.732 χ^2/NDF : 2123023.5/20

Left In: 5409.893+/-2.926 χ^2/NDF :17329.0/1

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805 $\pm$ 674.086 χ^2 /NDF: 12.4/15

Left Out: 3094.938 $\pm$ 1387.667 χ^2 /NDF: 6.4/2

Right Out: -2444.199 $\pm$ 657.682 χ^2 /NDF: 17.5/18

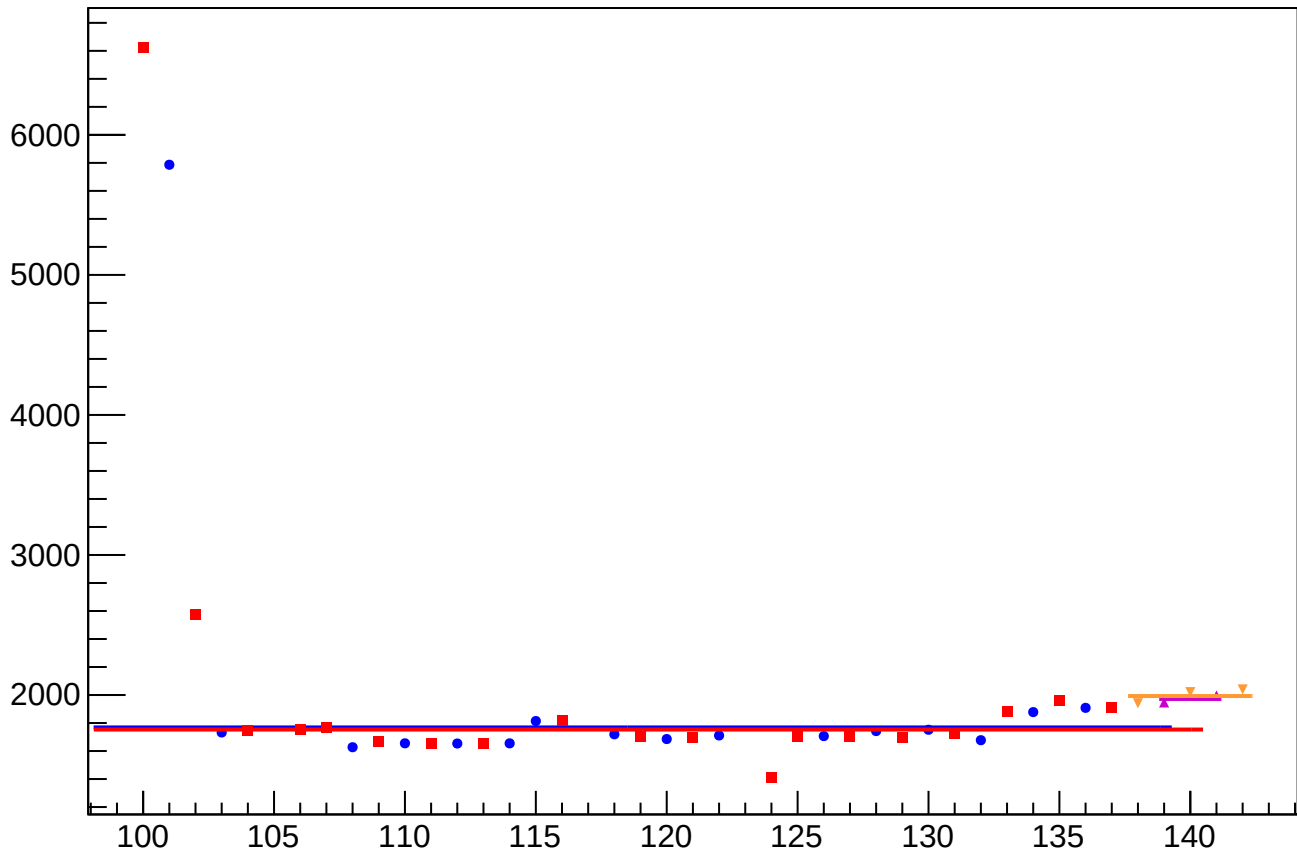
Left In: -3922.594 $\pm$ 1499.116 χ^2 /NDF: 0.0/1

+ sign 2189.470 $\pm$ 606.333 χ^2 /NDF: 19.3/18

All: -263.046 $\pm$ 427.299 χ^2 /NDF: 70.1/39

- sign -2682.818 $\pm$ 602.272 χ^2 /NDF: 18.3/20

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480 ± 0.477 χ^2/NDF : 667367.4/15

Left Out: 1992.823 ± 0.981 χ^2/NDF : 1896.6/2

Right Out: 1753.382 ± 0.464 χ^2/NDF : 218864.3/18

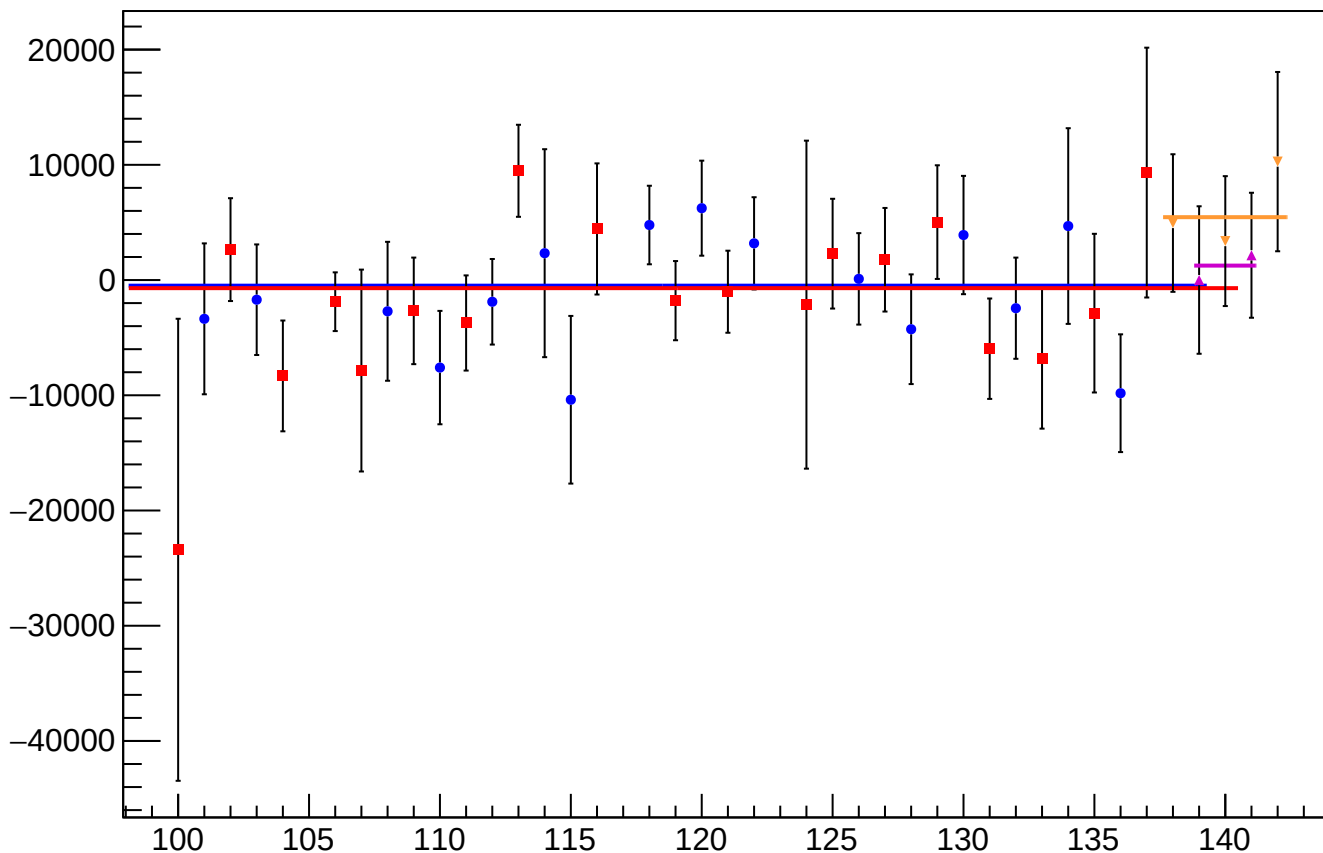
Left In: 1971.700 ± 1.060 χ^2/NDF : 548.8/1

+ sign 1811.311 ± 0.429 χ^2/NDF : 711557.6/18

All: 1799.785 ± 0.302 χ^2/NDF : 968004.4/39

- sign 1788.463 ± 0.425 χ^2/NDF : 255014.0/20

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -488.098 ± 1198.502 χ^2/NDF : 15.8/15

Left Out: 5456.712 ± 3626.275 χ^2/NDF : 0.5/2

Right Out: -703.325 ± 1069.463 χ^2/NDF : 18.8/18

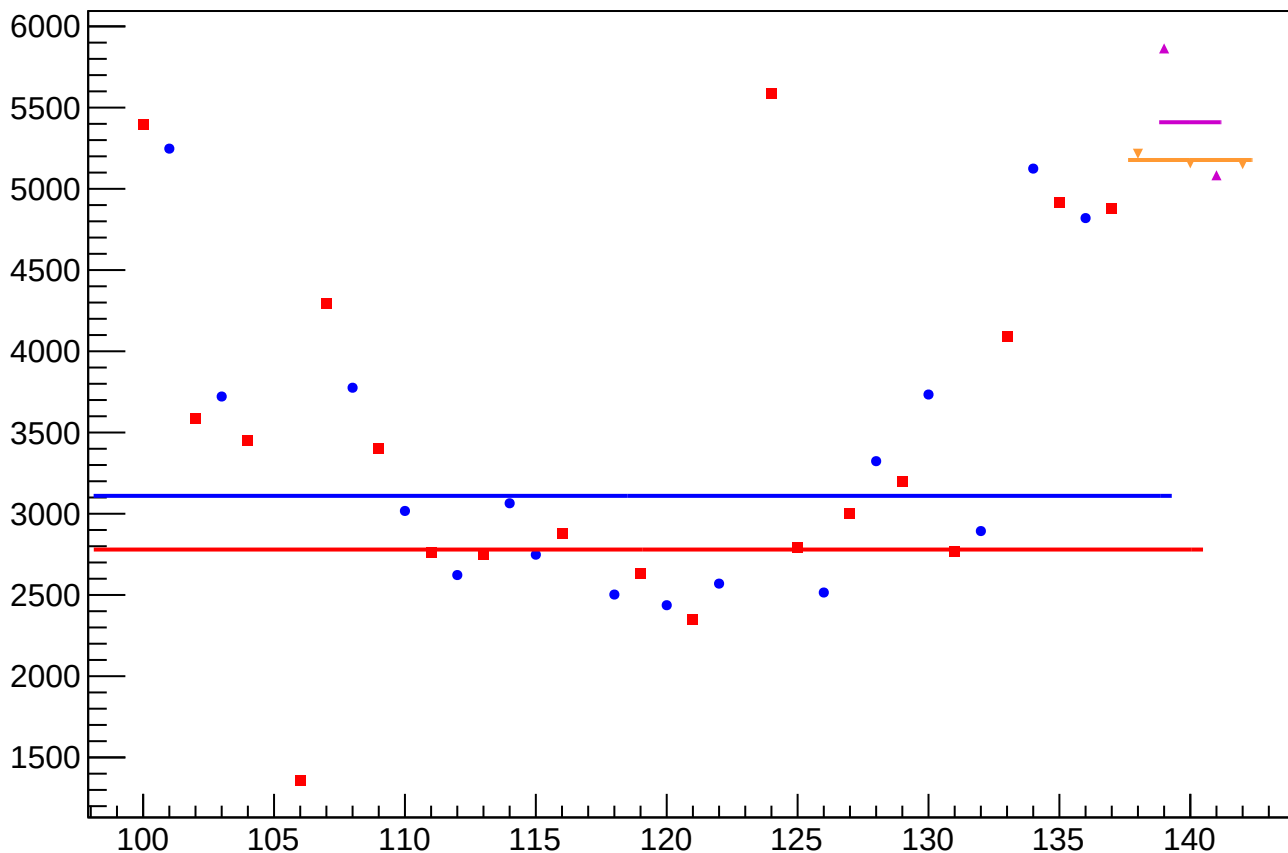
Left In: 1253.417 ± 4137.769 χ^2/NDF : 0.1/1

+ sign 97.326 ± 1137.960 χ^2/NDF : 18.7/18

All: -273.651 ± 765.850 χ^2/NDF : 38.0/39

- sign -580.794 ± 1035.437 χ^2/NDF : 19.1/20

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF : 883272.2/15

Left Out: 5177.516+/-2.564 χ^2/NDF :132.0/2

Right Out: 2779.617+/-0.756 χ^2/NDF : 1348160.7/18

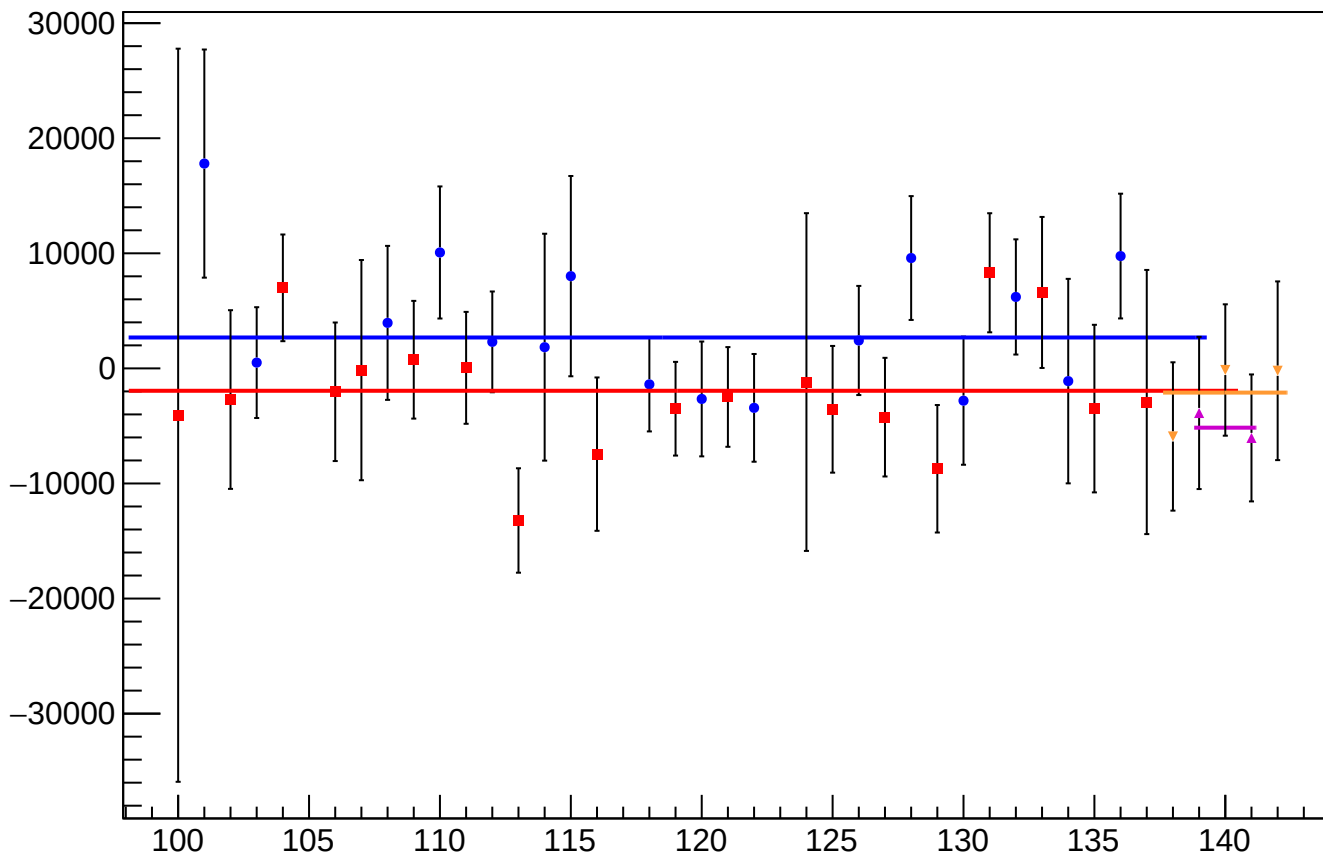
Left In: 5409.904+/-2.926 χ^2/NDF :17329.4/1

+ sign 3313.711+/-0.805 χ^2/NDF : 1469450.7/18

All: 3111.633+/-0.542 χ^2/NDF : 3707790.5/39

- sign 2944.326+/-0.732 χ^2/NDF : 2123054.4/20

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414 $\pm$ 1379.907 χ^2 /NDF: 13.5/15

Left Out: -2104.241 $\pm$ 3743.780 χ^2 /NDF:0.5/2

Right Out: -1945.685 $\pm$ 1332.986 χ^2 /NDF: 18.7/18

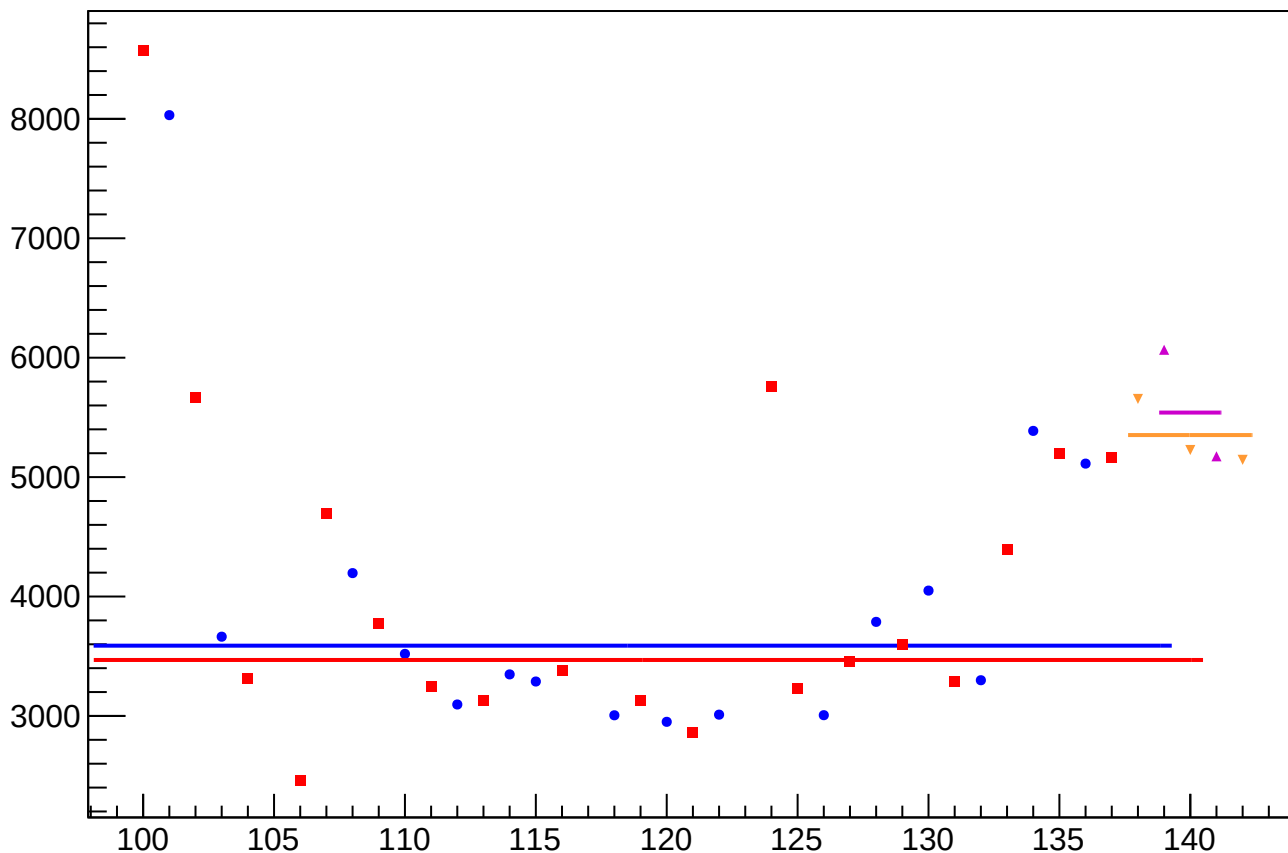
Left In: -5152.388 $\pm$ 4235.628 χ^2 /NDF:0.1/1

+ sign 2112.540 $\pm$ 1294.757 χ^2 /NDF: 15.4/18

All: -100.442 $\pm$ 907.199 χ^2 /NDF: 40.4/39

- sign -2234.660 $\pm$ 1271.507 χ^2 /NDF: 19.3/20

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF : 845218.6/15

Left Out: 5352.135+/-2.647 χ^2/NDF : 6793.9/2

Right Out: 3468.624+/-0.928 χ^2/NDF : 666541.5/18

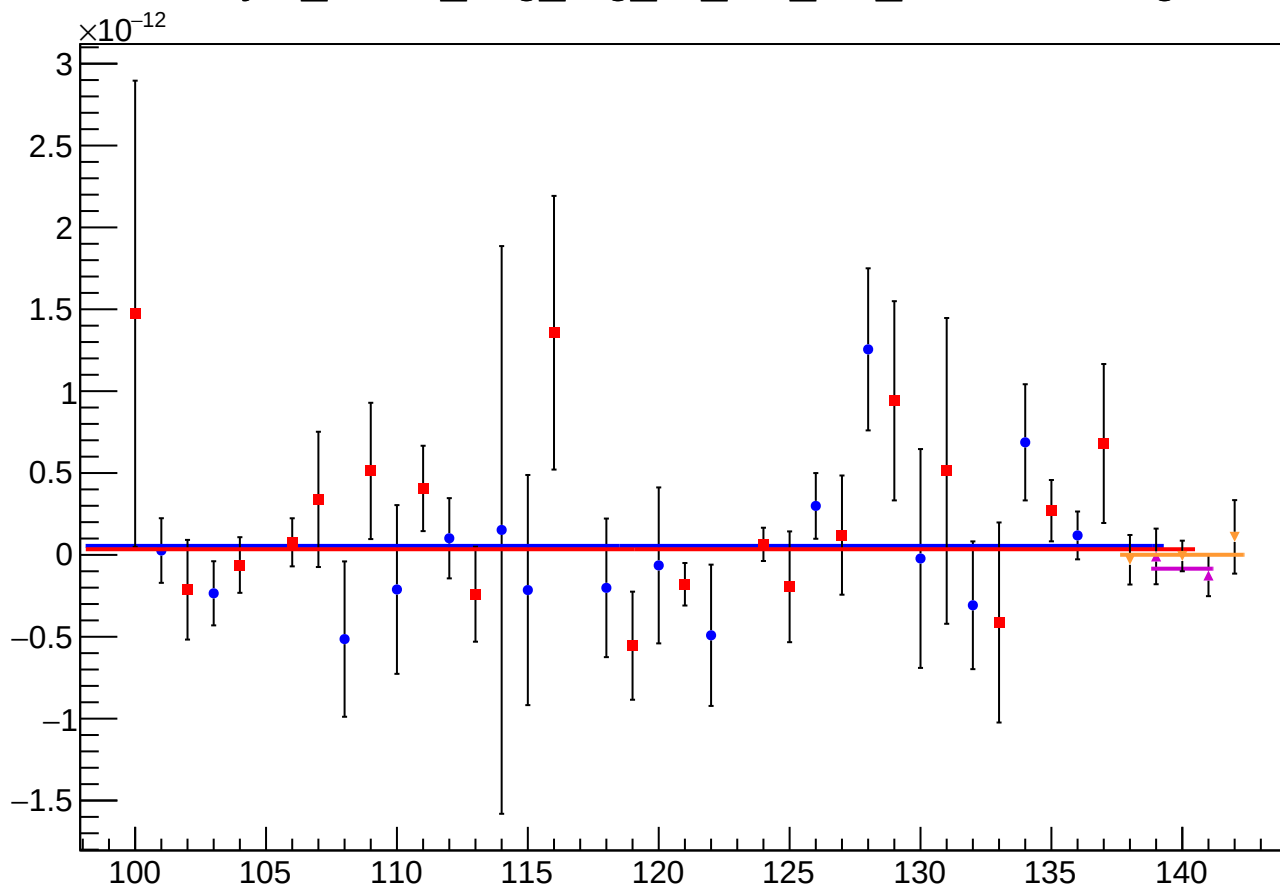
Left In: 5540.454+/-2.995 χ^2/NDF : 21474.8/1

+ sign 3799.381+/-0.916 χ^2/NDF : 1242797.4/18

All: 3722.397+/-0.637 χ^2/NDF : 2381101.6/39

- sign 3650.194+/-0.887 χ^2/NDF : 1124602.3/20

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: 0.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.3/18

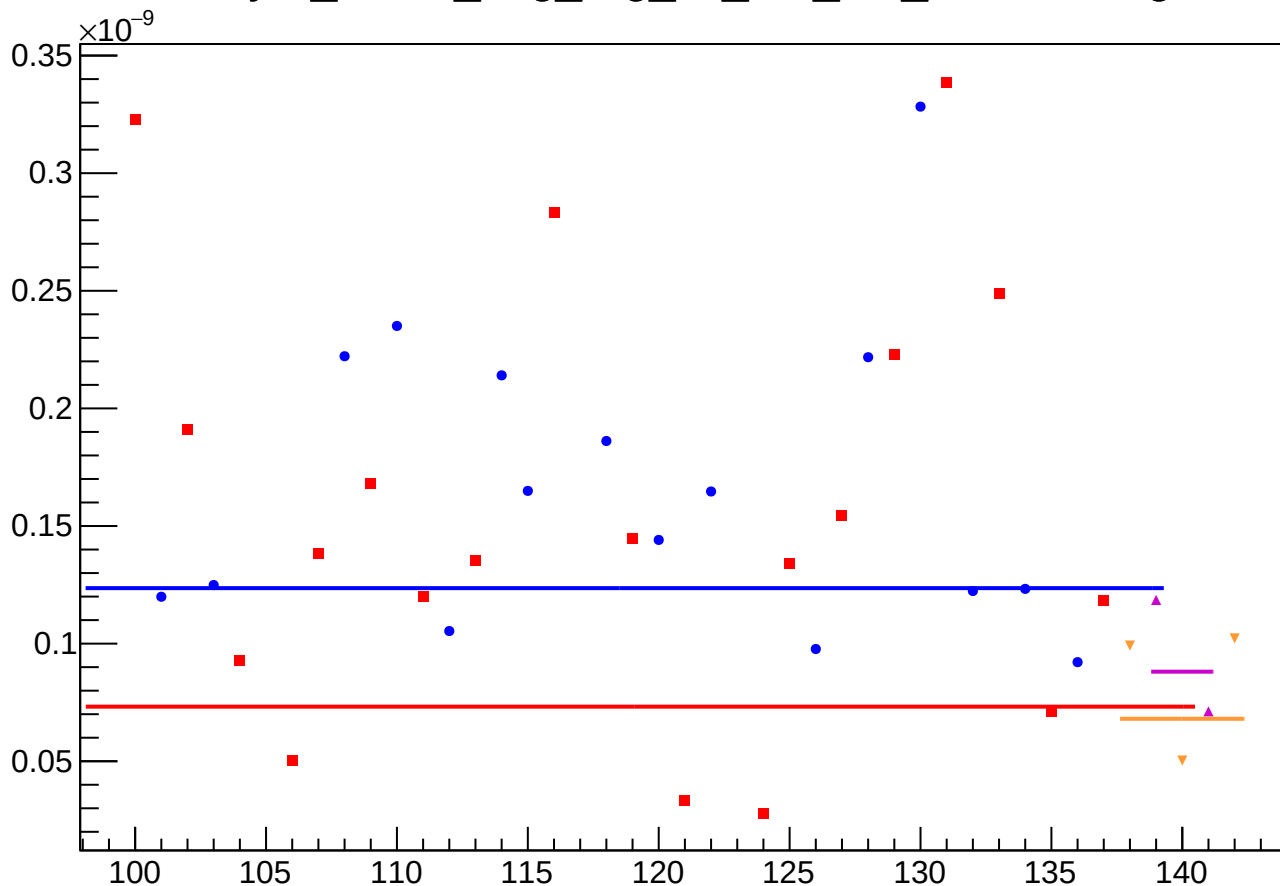
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.3/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/20

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 : 203399.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 218857.9/18

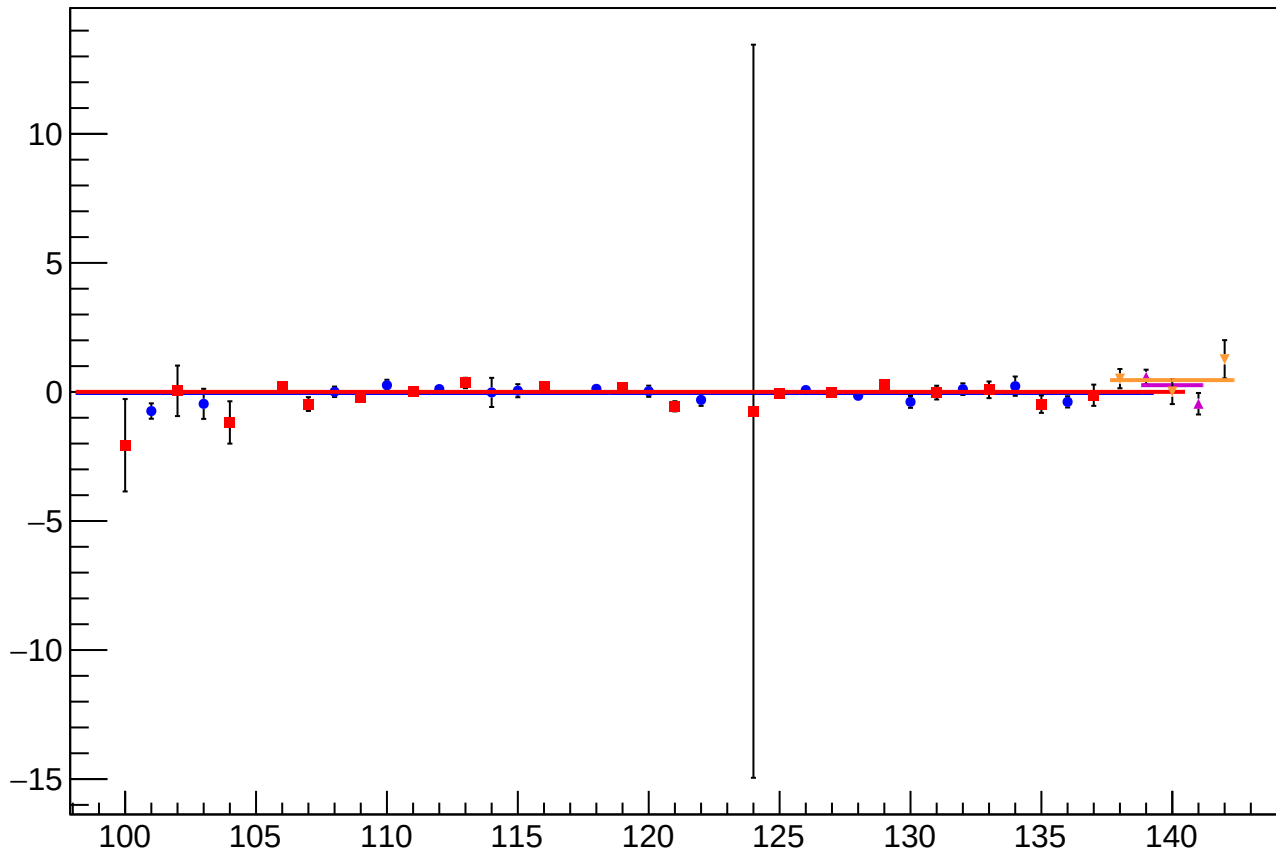
Left In: 0.000+/-0.000 χ^2/NDF : 100163.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 1428165.9/18

All: 0.000+/-0.000 χ^2/NDF : 3913233.6/39

- sign 0.000+/-0.000 χ^2/NDF : 2322758.3/20

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040 ± 0.056 χ^2/NDF : 17.9/15

Left Out: 0.458 ± 0.275 χ^2/NDF : 2.0/2

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

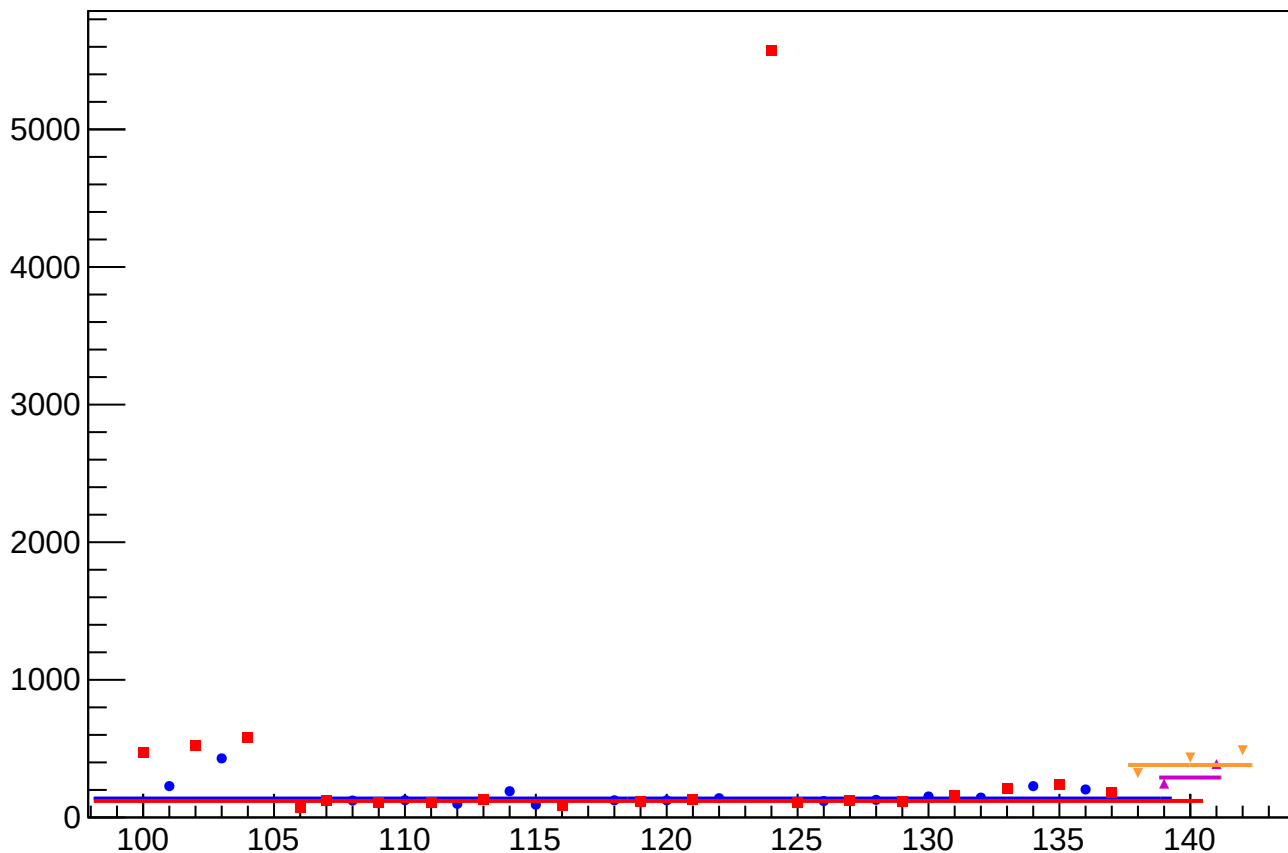
Left In: 0.262 ± 0.232 χ^2/NDF : 4.3/1

+ sign -0.020 ± 0.055 χ^2/NDF : 23.1/18

All: -0.001 ± 0.037 χ^2/NDF : 57.6/39

- sign 0.015 ± 0.050 χ^2/NDF : 34.2/20

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: 381.266 $\pm$ 0.194 χ^2 /NDF: 116960.3/2

Right Out: 120.006 $\pm$ 0.036 χ^2 /NDF: 2139894.0/18

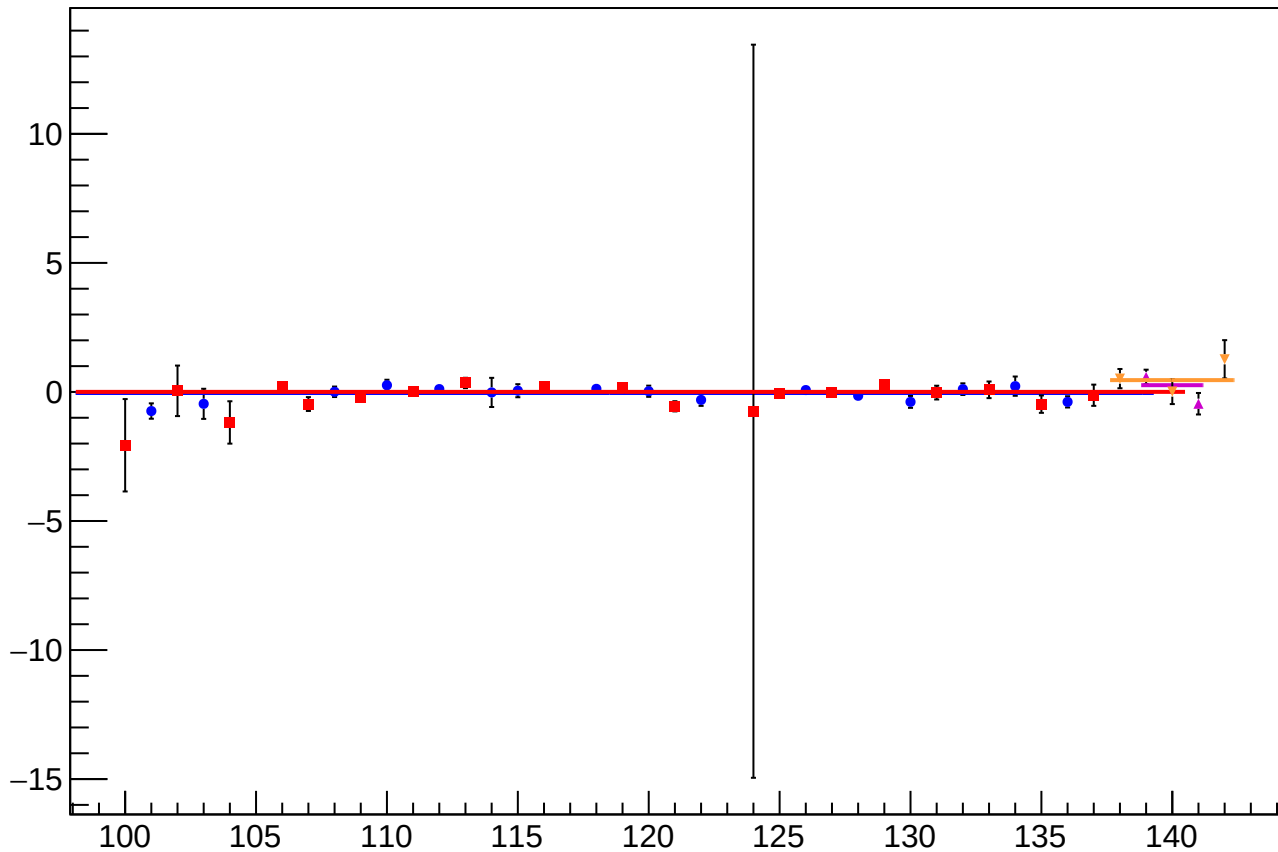
Left In: 289.991 $\pm$ 0.164 χ^2 /NDF: 160020.7/1

+ sign 147.063 $\pm$ 0.039 χ^2 /NDF: 2897809.8/18

All: 136.538 $\pm$ 0.026 χ^2 /NDF: 6359434.3/39

- sign 127.836 $\pm$ 0.035 χ^2 /NDF: 3326379.9/20

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: 0.458 ± 0.275 χ^2/NDF : 2.0/2

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

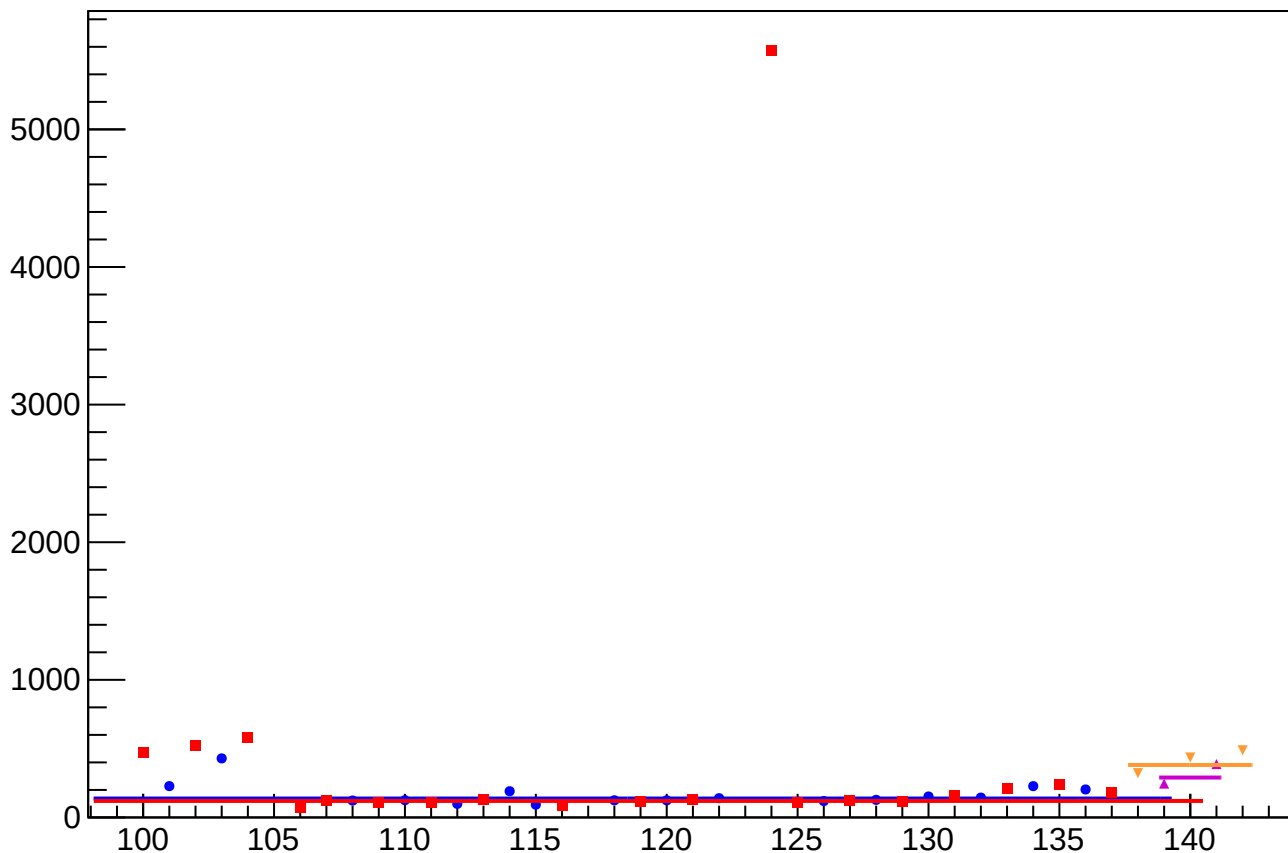
Left In: 0.262 ± 0.232 χ^2/NDF : 4.3/1

+ sign -0.020 ± 0.055 χ^2/NDF : 23.1/18

All: -0.001 ± 0.037 χ^2/NDF : 57.6/39

- sign 0.015 ± 0.050 χ^2/NDF : 34.2/20

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF : 1268257.0/15

Left Out: 381.266+/-0.194 χ^2/NDF : 116960.3/2

Right Out: 120.006+/-0.036 χ^2/NDF : 2139894.0/18

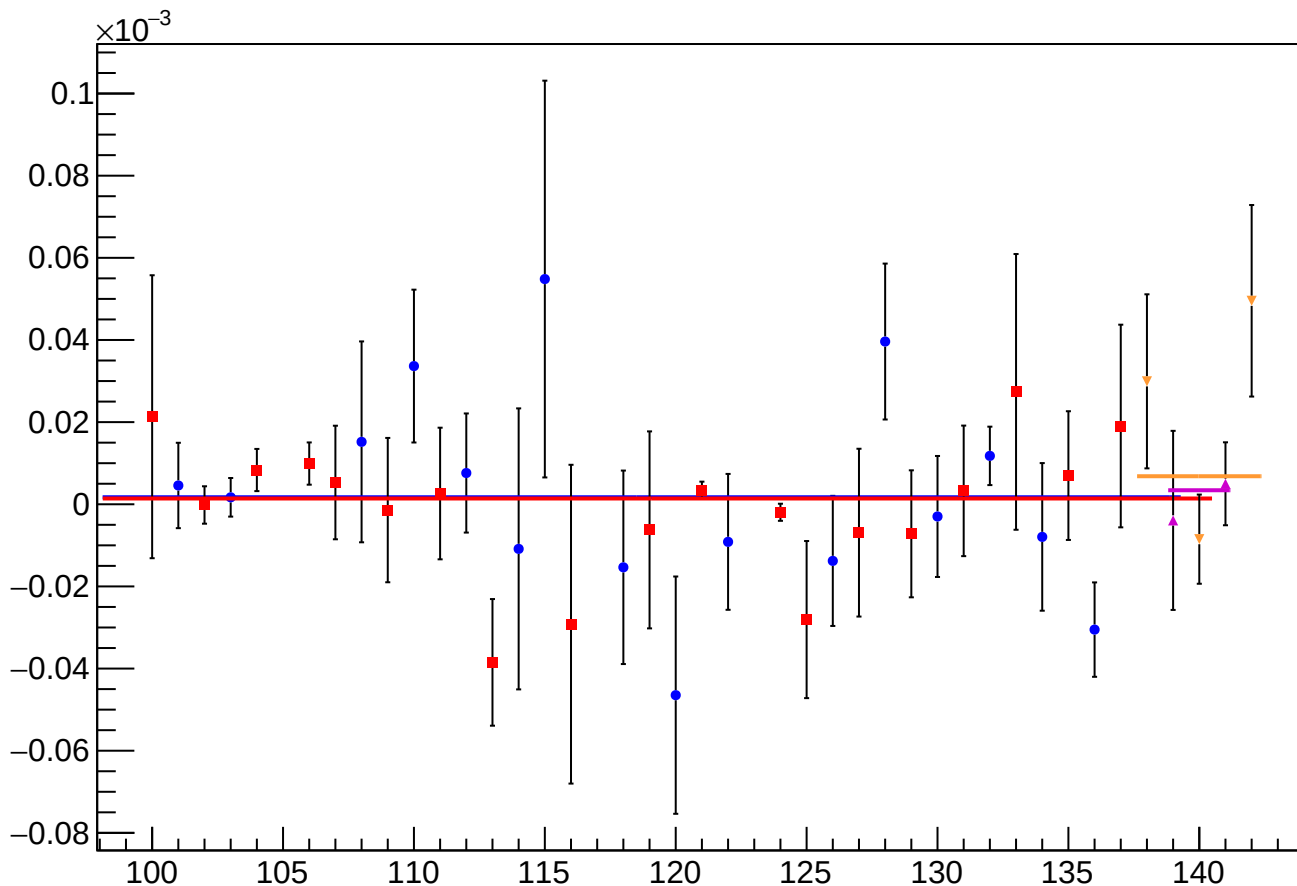
Left In: 289.991+/-0.164 χ^2/NDF : 160020.7/1

+ sign 147.063+/-0.039 χ^2/NDF : 2897809.8/18

All: 136.538+/-0.026 χ^2/NDF : 6359434.3/39

- sign 127.836+/-0.035 χ^2/NDF : 3326379.9/20

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 23.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6.5/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 20.3/18

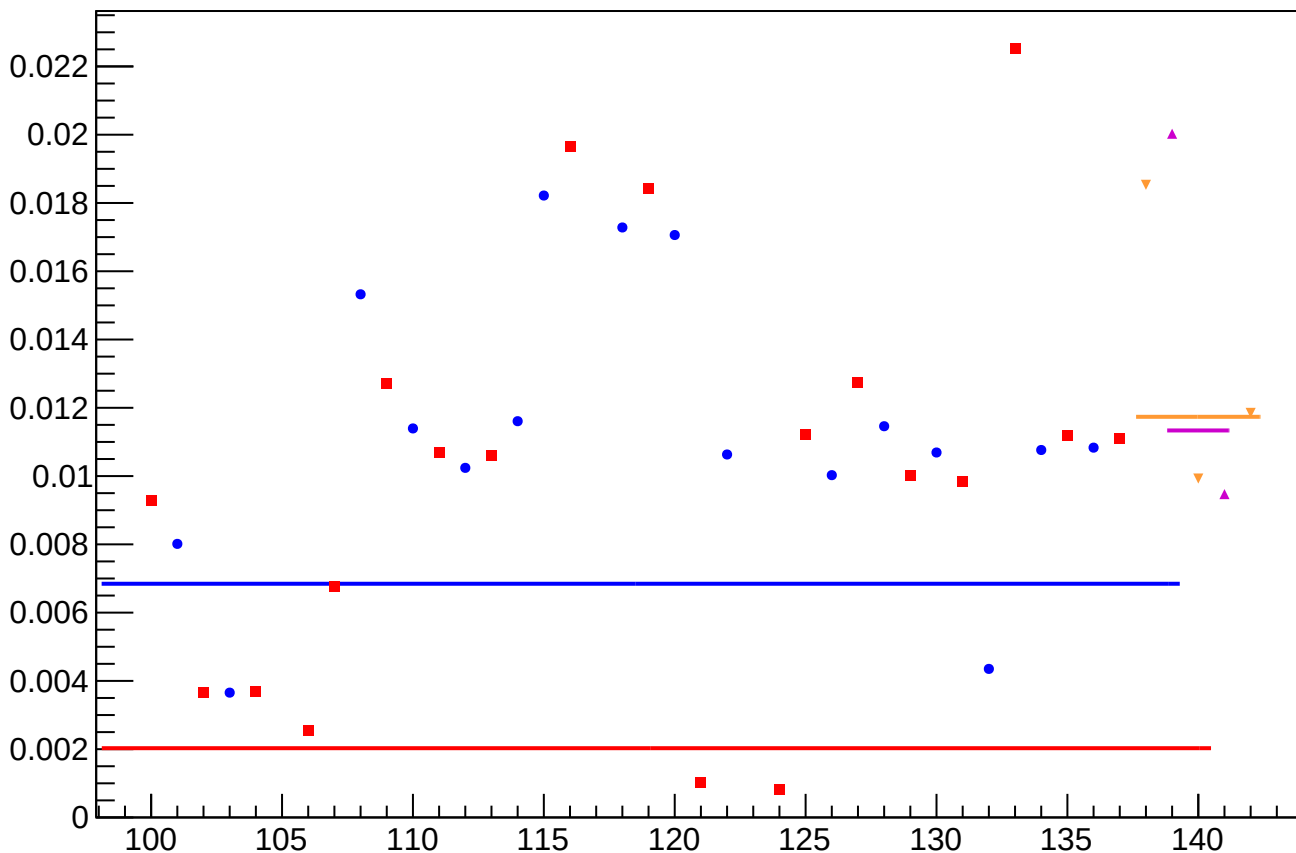
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 30.6/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 51.1/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 20.4/20

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 3230112.6/15

Left Out: 0.012+/-0.000 χ^2/NDF : 261271.6/2

Right Out: 0.002+/-0.000 χ^2/NDF : 9007527.0/18

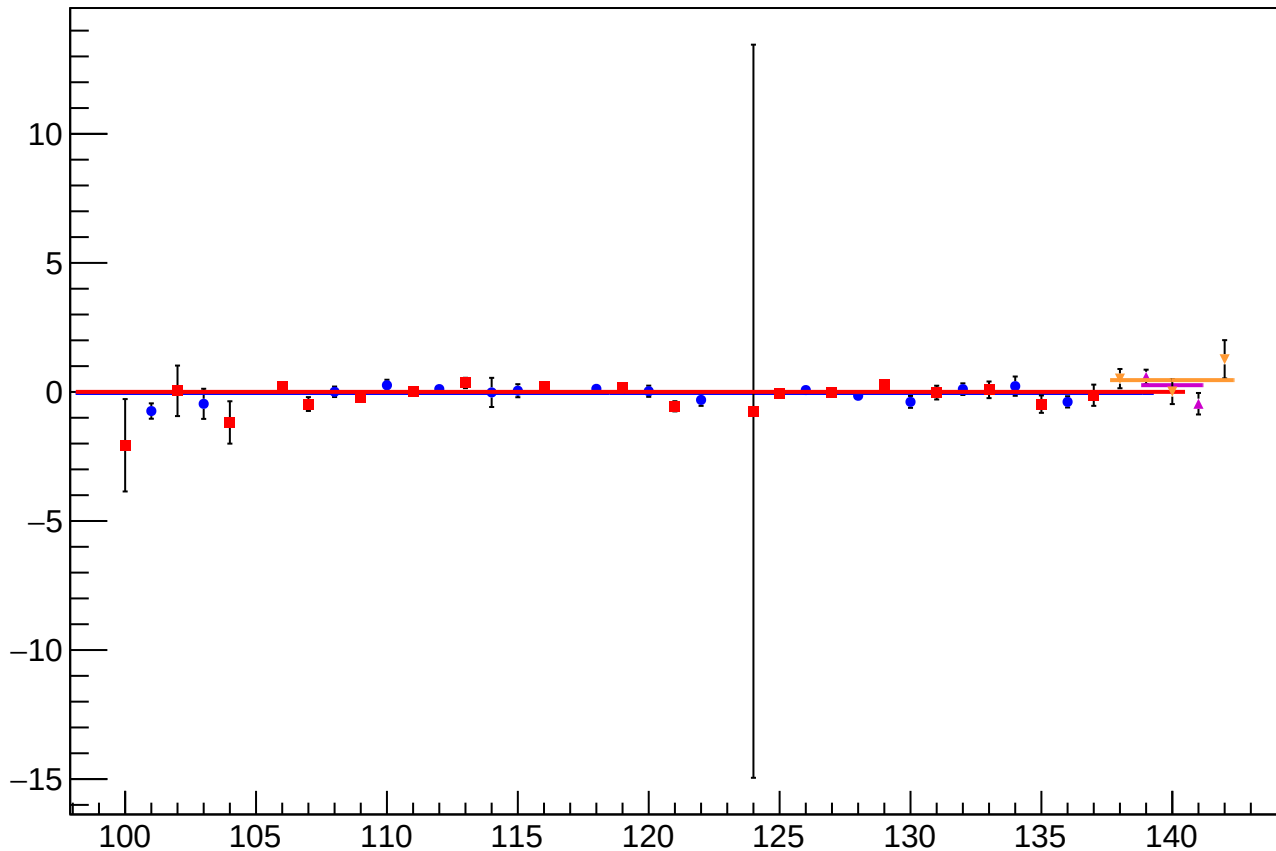
Left In: 0.011+/-0.000 χ^2/NDF : 386162.0/1

+ sign 0.007+/-0.000 χ^2/NDF : 4032076.6/18

All: 0.003+/-0.000 χ^2/NDF : 21009443.8/39

- sign 0.002+/-0.000 χ^2/NDF : 11419753.2/20

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: 0.458 ± 0.275 χ^2/NDF : 2.0/2

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

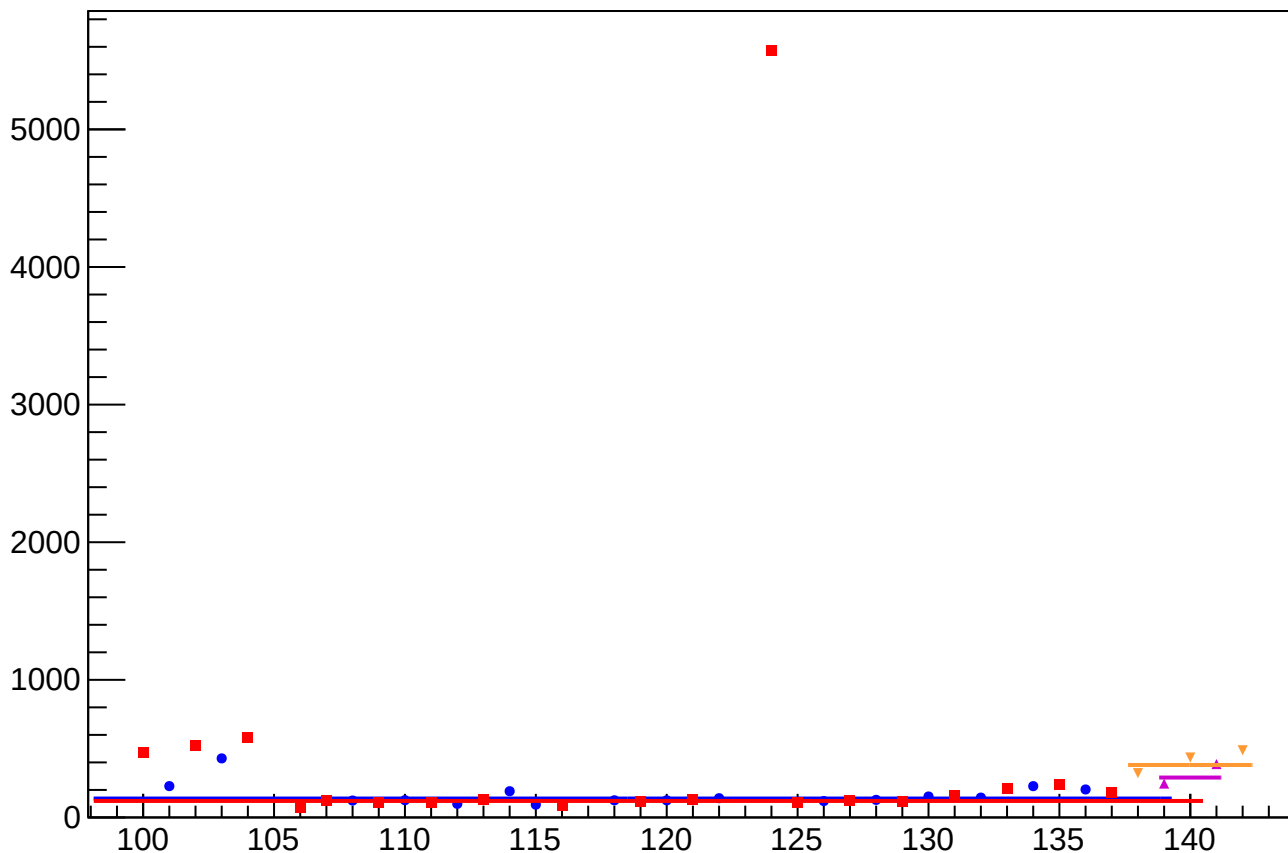
Left In: 0.262 ± 0.232 χ^2/NDF : 4.3/1

+ sign -0.020 ± 0.055 χ^2/NDF : 23.1/18

All: -0.001 ± 0.037 χ^2/NDF : 57.6/39

- sign 0.015 ± 0.050 χ^2/NDF : 34.2/20

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400 $\pm$ 0.039 χ^2 /NDF: 1268197.9/15

Left Out: 381.269 $\pm$ 0.194 χ^2 /NDF: 116969.2/2

Right Out: 120.006 $\pm$ 0.036 χ^2 /NDF: 2139820.8/18

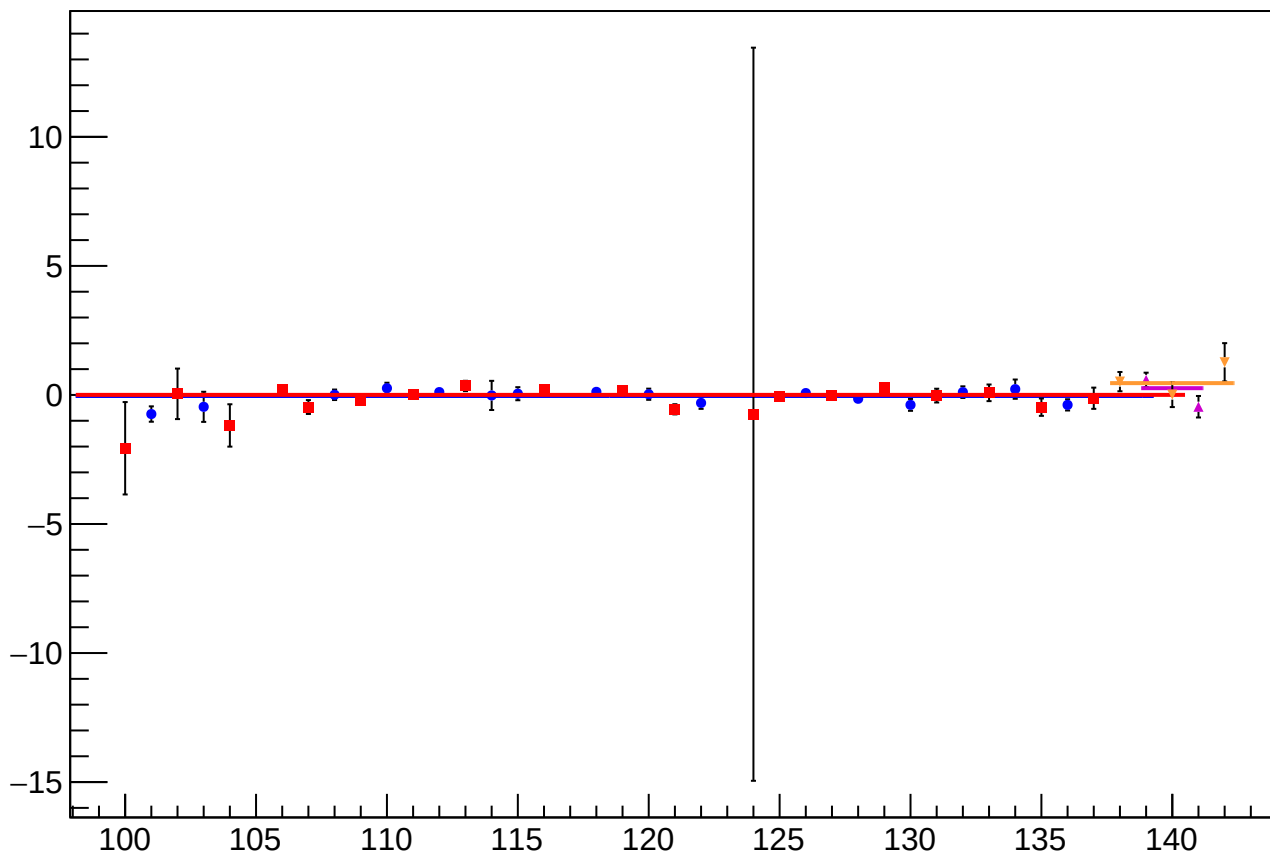
Left In: 289.998 $\pm$ 0.164 χ^2 /NDF: 160008.8/1

+ sign 147.064 $\pm$ 0.039 χ^2 /NDF: 2897762.7/18

All: 136.538 $\pm$ 0.026 χ^2 /NDF: 6359359.5/39

- sign 127.836 $\pm$ 0.035 χ^2 /NDF: 3326339.6/20

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: 0.458 ± 0.275 χ^2/NDF : 2.0/2

Right Out: 0.003 ± 0.051 χ^2/NDF : 28.7/18

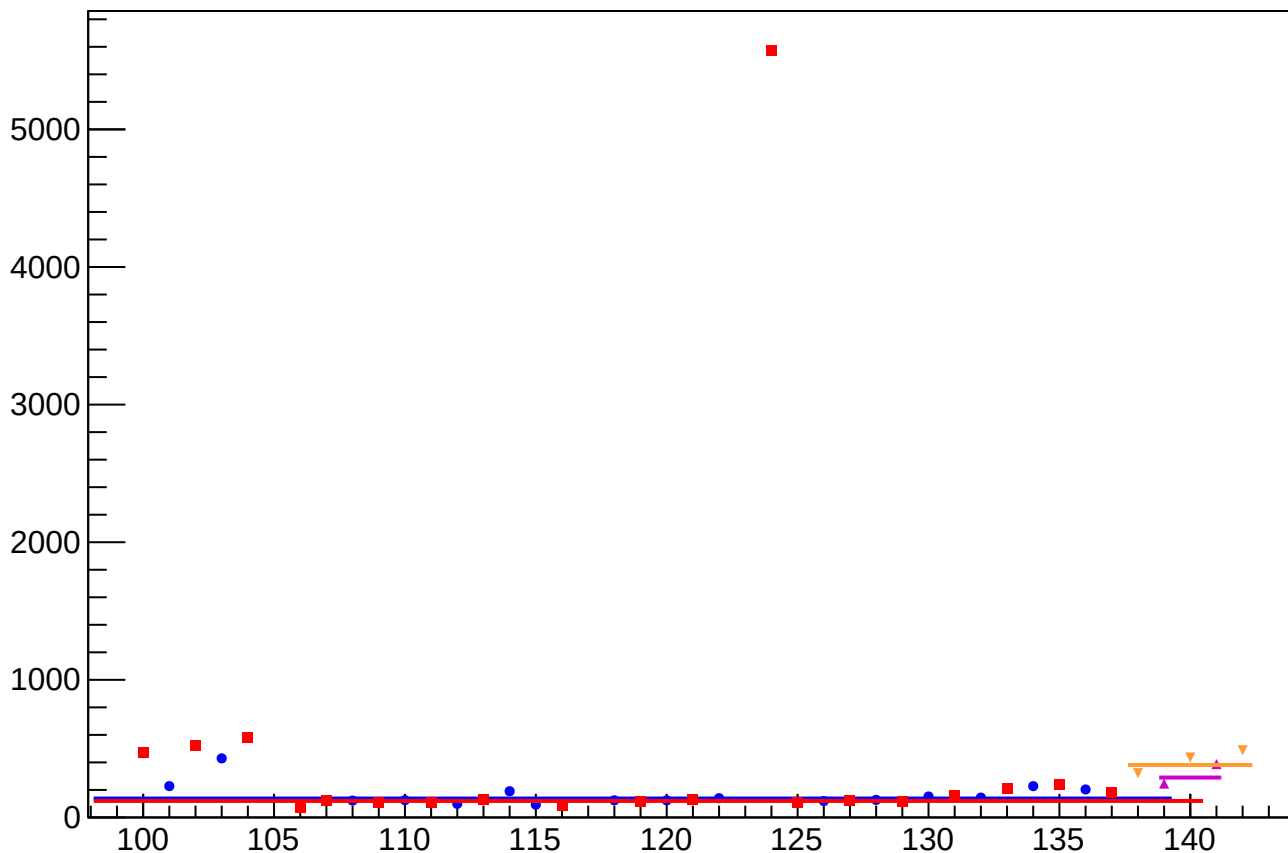
Left In: 0.262 ± 0.232 χ^2/NDF : 4.3/1

+ sign -0.020 ± 0.055 χ^2/NDF : 23.1/18

All: -0.001 ± 0.037 χ^2/NDF : 57.6/39

- sign 0.015 ± 0.050 χ^2/NDF : 34.2/20

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF : 1268197.9/15

Left Out: 381.269+/-0.194 χ^2/NDF : 116969.2/2

Right Out: 120.006+/-0.036 χ^2/NDF : 2139820.8/18

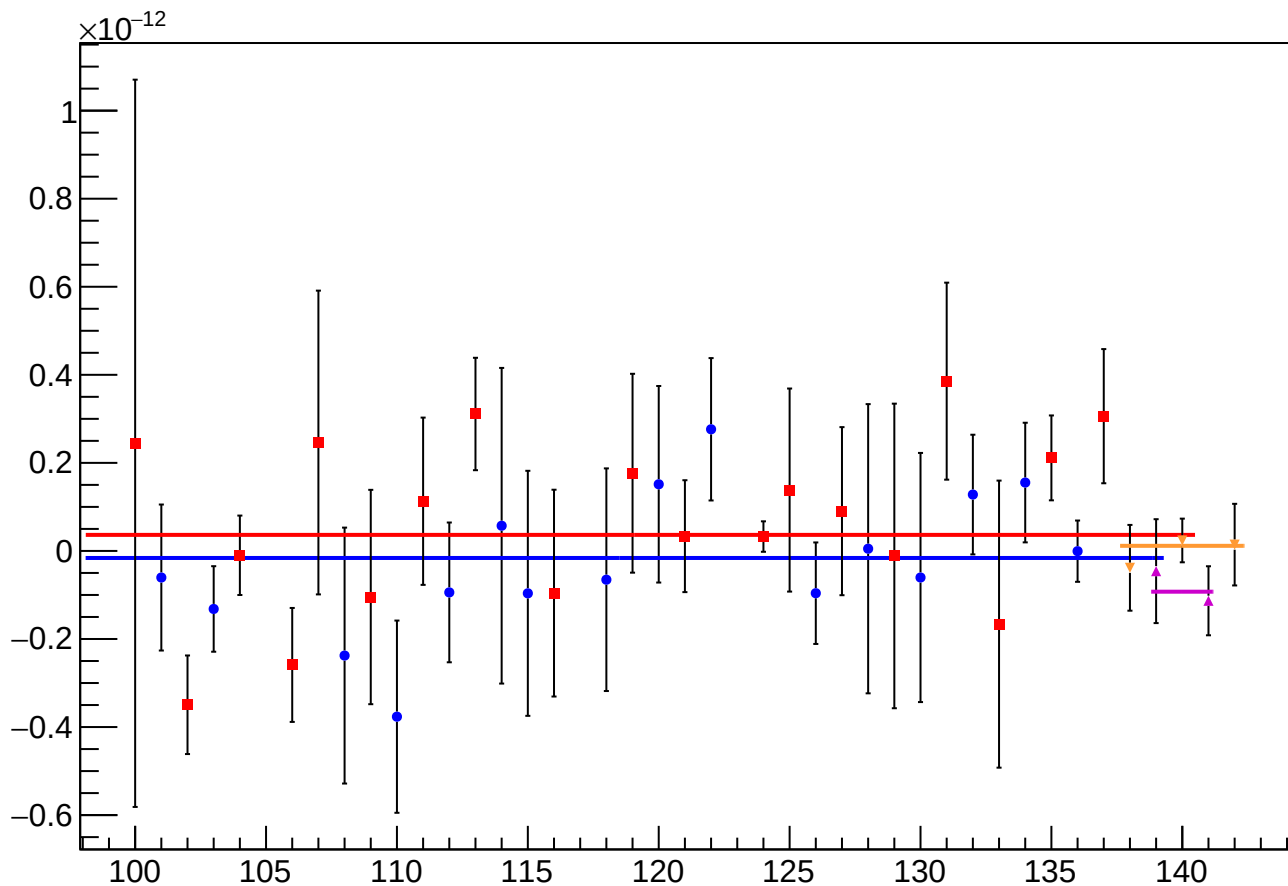
Left In: 289.998+/-0.164 χ^2/NDF : 160008.8/1

+ sign 147.064+/-0.039 χ^2/NDF : 2897762.7/18

All: 136.538+/-0.026 χ^2/NDF : 6359359.5/39

- sign 127.836+/-0.035 χ^2/NDF : 3326339.6/20

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 : 0.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 33.2/18

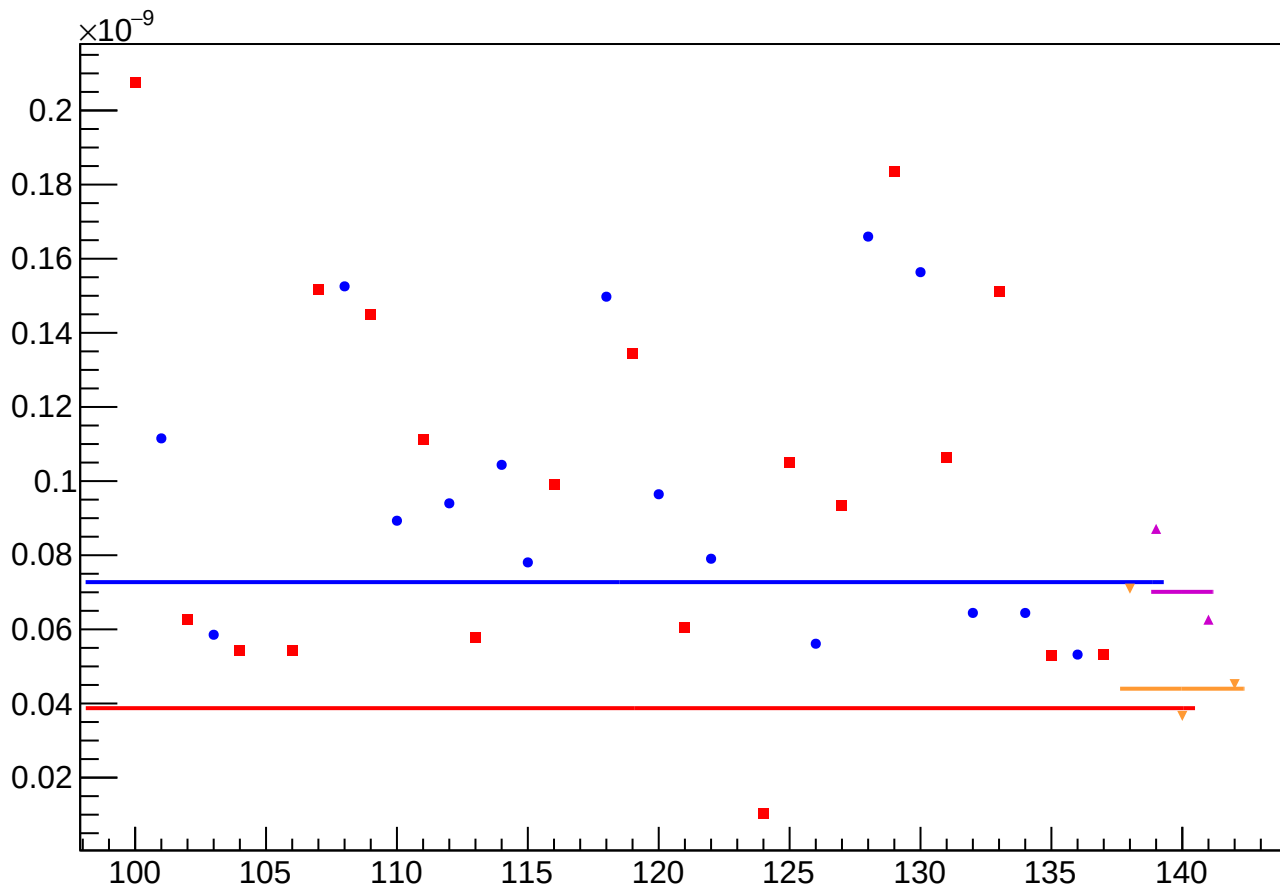
Left In: -0.000+/-0.000 χ^2/NDF : 0.2/1

+ sign -0.000+/-0.000 χ^2/NDF : 12.9/18

All: 0.000+/-0.000 χ^2/NDF : 50.1/39

- sign 0.000+/-0.000 χ^2/NDF : 36.8/20

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1128031.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 197737.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4266020.5/18

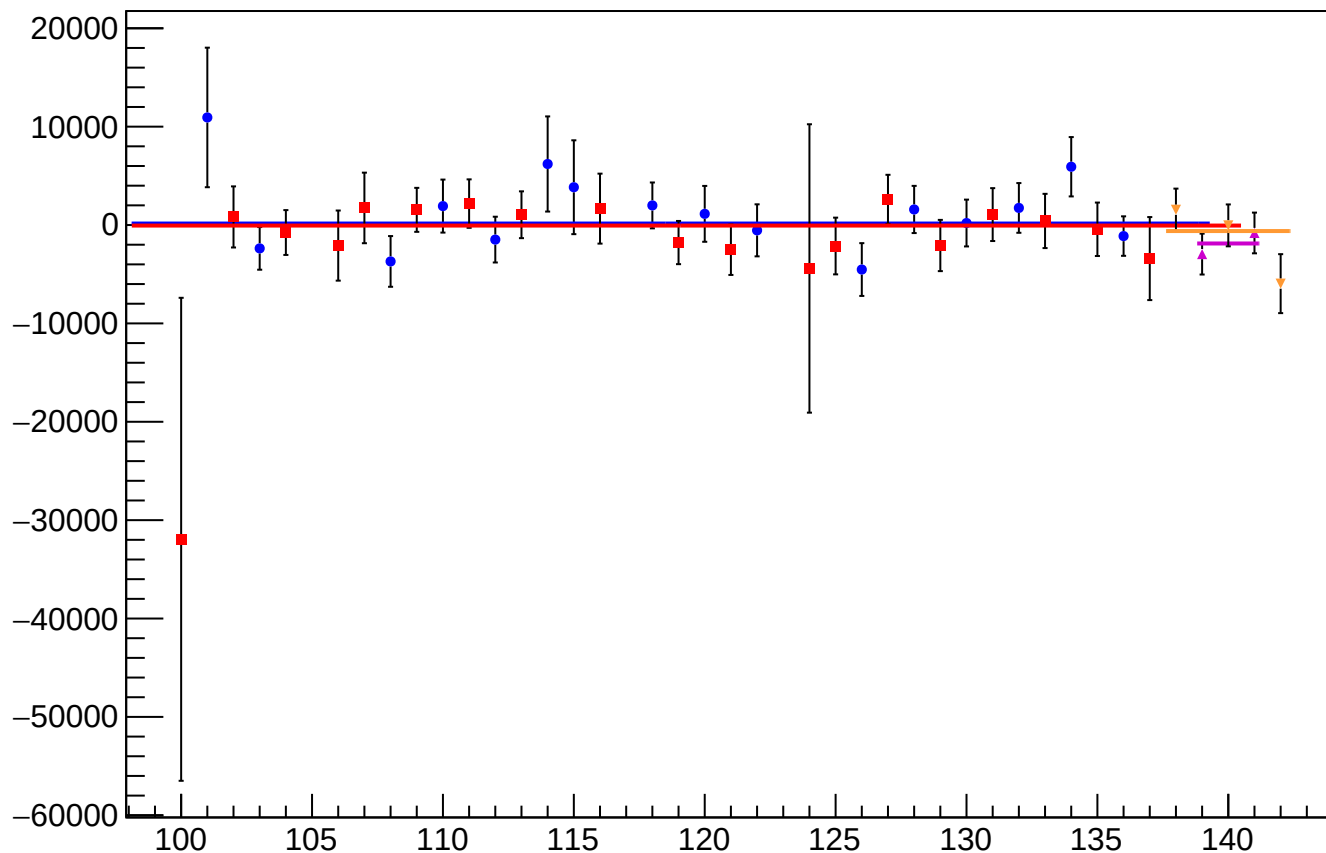
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 59775.2/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 1881168.3/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7025810.4/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4726926.5/20

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722 $\pm$ 667.029 χ^2 /NDF: 17.7/15

Left Out: -612.920 $\pm$ 1350.616 χ^2 /NDF: 4.3/2

Right Out: -54.106 $\pm$ 655.266 χ^2 /NDF: 9.0/18

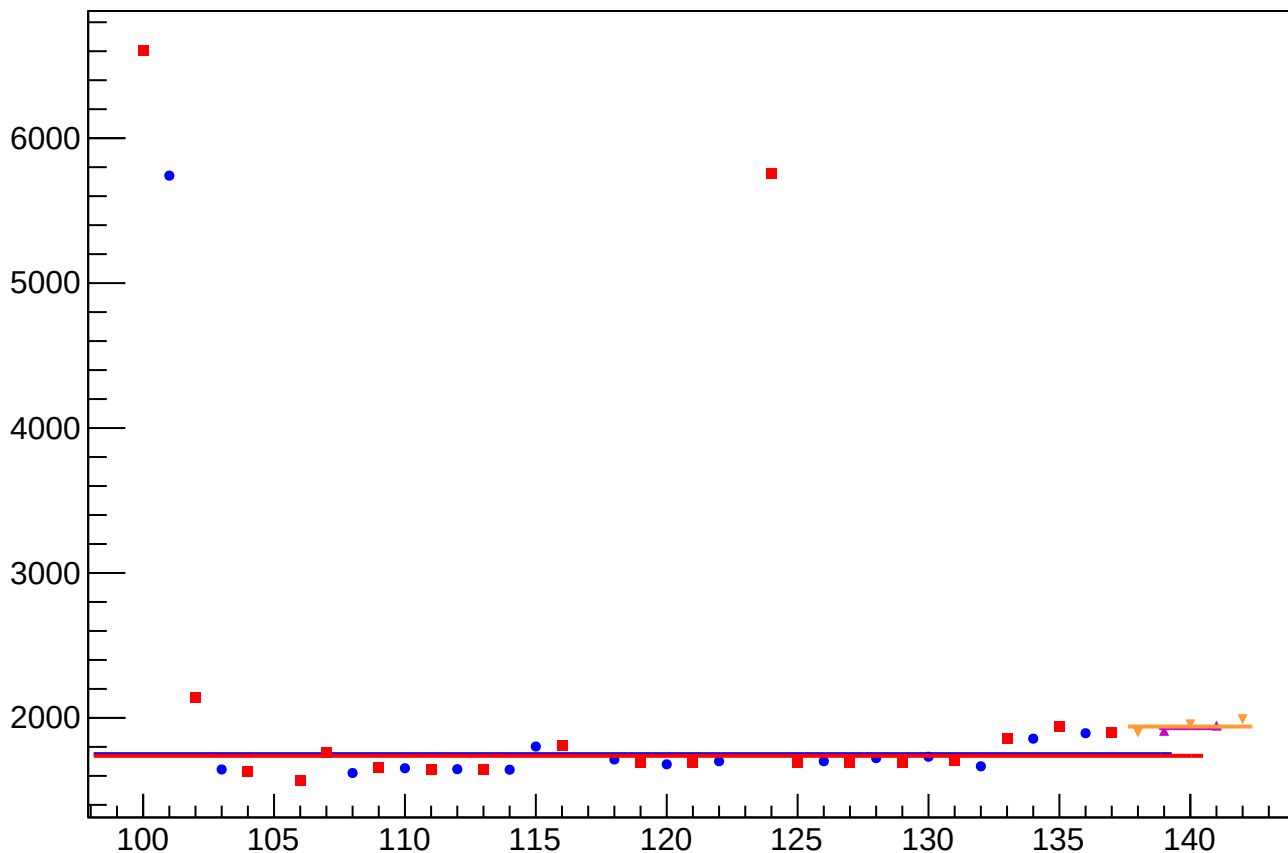
Left In: -1876.008 $\pm$ 1466.512 χ^2 /NDF: 0.5/1

+ sign 0.985 $\pm$ 598.068 χ^2 /NDF: 22.2/18

All: -178.105 $\pm$ 422.966 χ^2 /NDF: 33.1/39

- sign -357.310 $\pm$ 598.261 χ^2 /NDF: 10.8/20

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF : 669576.0/15

Left Out: 1940.455+/-0.955 χ^2/NDF :1383.1/2

Right Out: 1738.493+/-0.460 χ^2/NDF : 304493.3/18

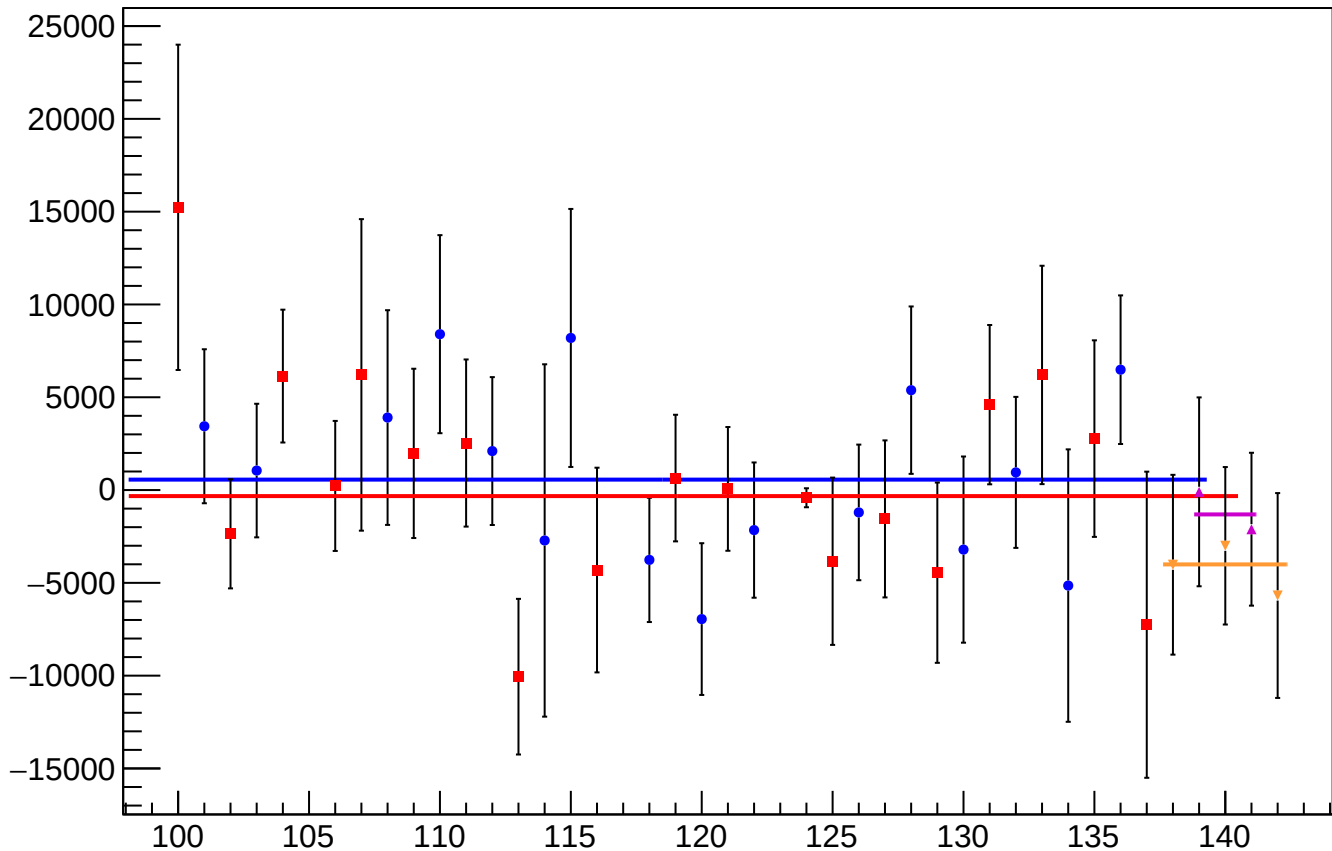
Left In: 1929.351+/-1.037 χ^2/NDF :305.8/1

+ sign 1787.236+/-0.423 χ^2/NDF : 702976.1/18

All: 1778.501+/-0.298 χ^2/NDF : 1036929.6/39

- sign 1769.868+/-0.420 χ^2/NDF : 333105.3/20

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339 ± 1101.163 χ^2/NDF : 14.8/15

Left Out: -4006.300 ± 2762.704 χ^2/NDF : 0.1/2

Right Out: -325.567 ± 457.948 χ^2/NDF : 19.2/18

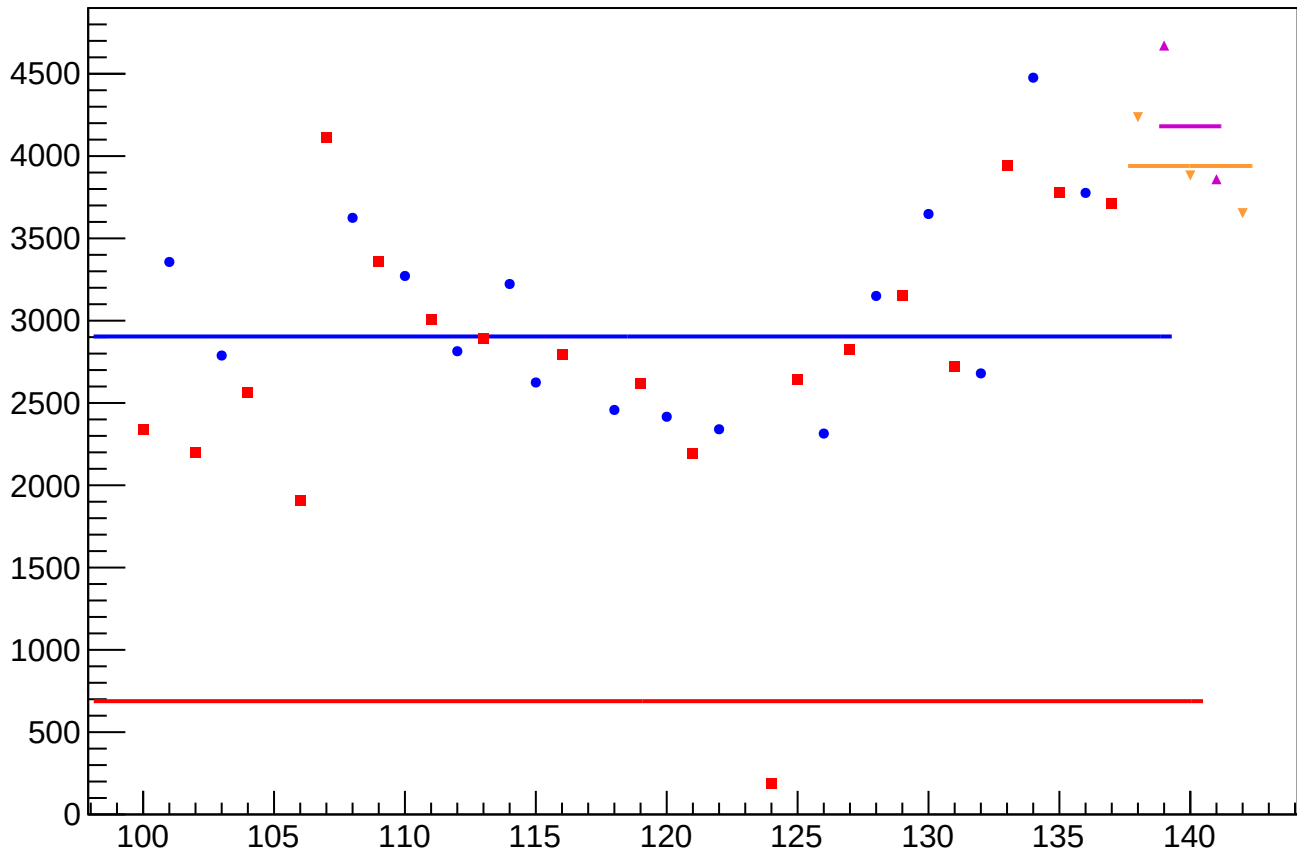
Left In: -1312.417 ± 3201.238 χ^2/NDF : 0.1/1

+ sign -63.968 ± 1022.903 χ^2/NDF : 17.3/18

All: -299.162 ± 414.455 χ^2/NDF : 36.8/39

- sign -345.357 ± 453.333 χ^2/NDF : 19.4/20

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF : 479774.3/15

Left Out: 3939.967+/-1.954 χ^2/NDF :13255.7/2

Right Out: 688.319+/-0.324 χ^2/NDF : 10148914.1/18

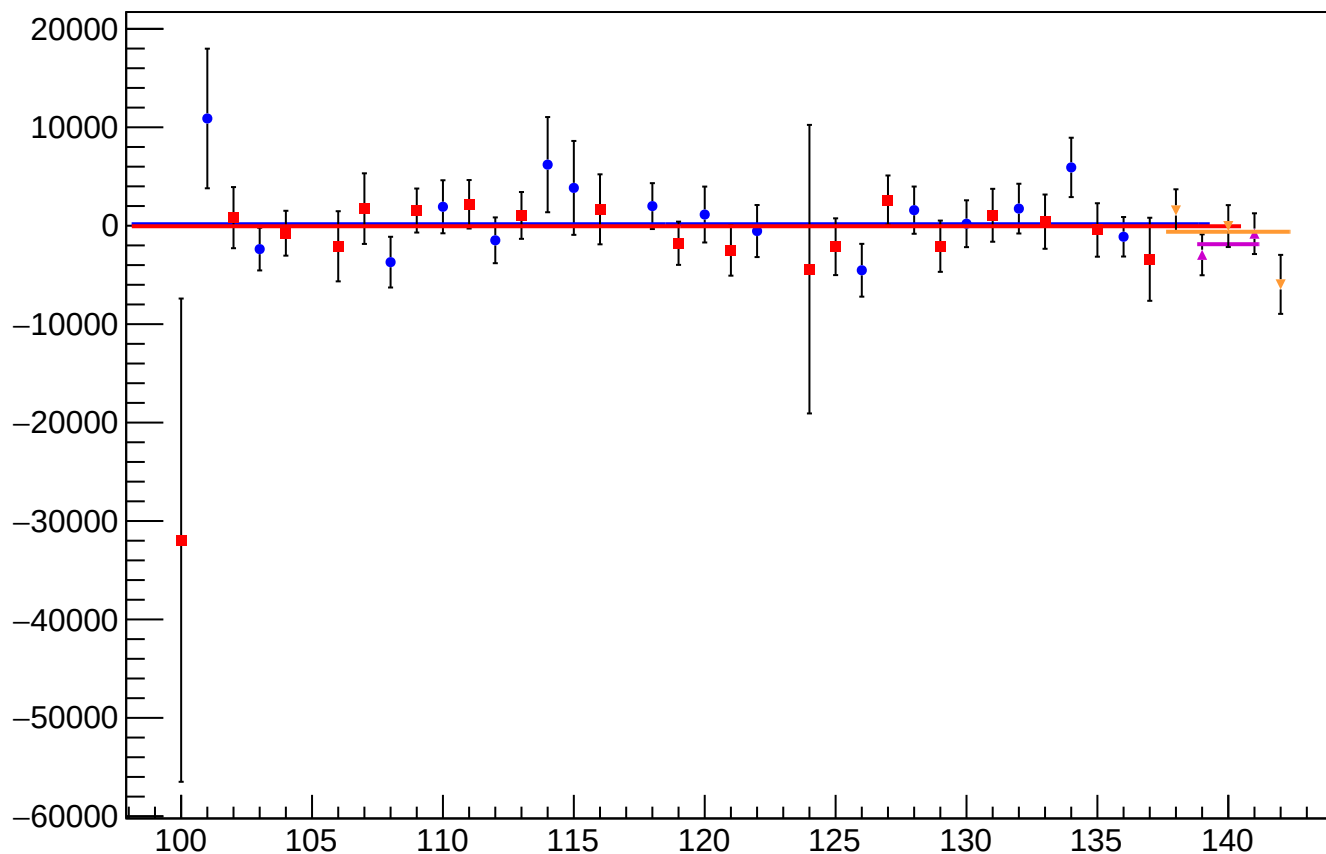
Left In: 4181.070+/-2.264 χ^2/NDF :30778.4/1

+ sign 3046.070+/-0.723 χ^2/NDF : 735673.9/18

All: 1133.928+/-0.293 χ^2/NDF : 21609904.6/3

- sign 758.362+/-0.321 χ^2/NDF : 12512782.8/20

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF : 17.6/15

Left Out: -613.098+/-1350.616 χ^2/NDF : 4.3/2

Right Out: -54.158+/-655.266 χ^2/NDF : 9.0/18

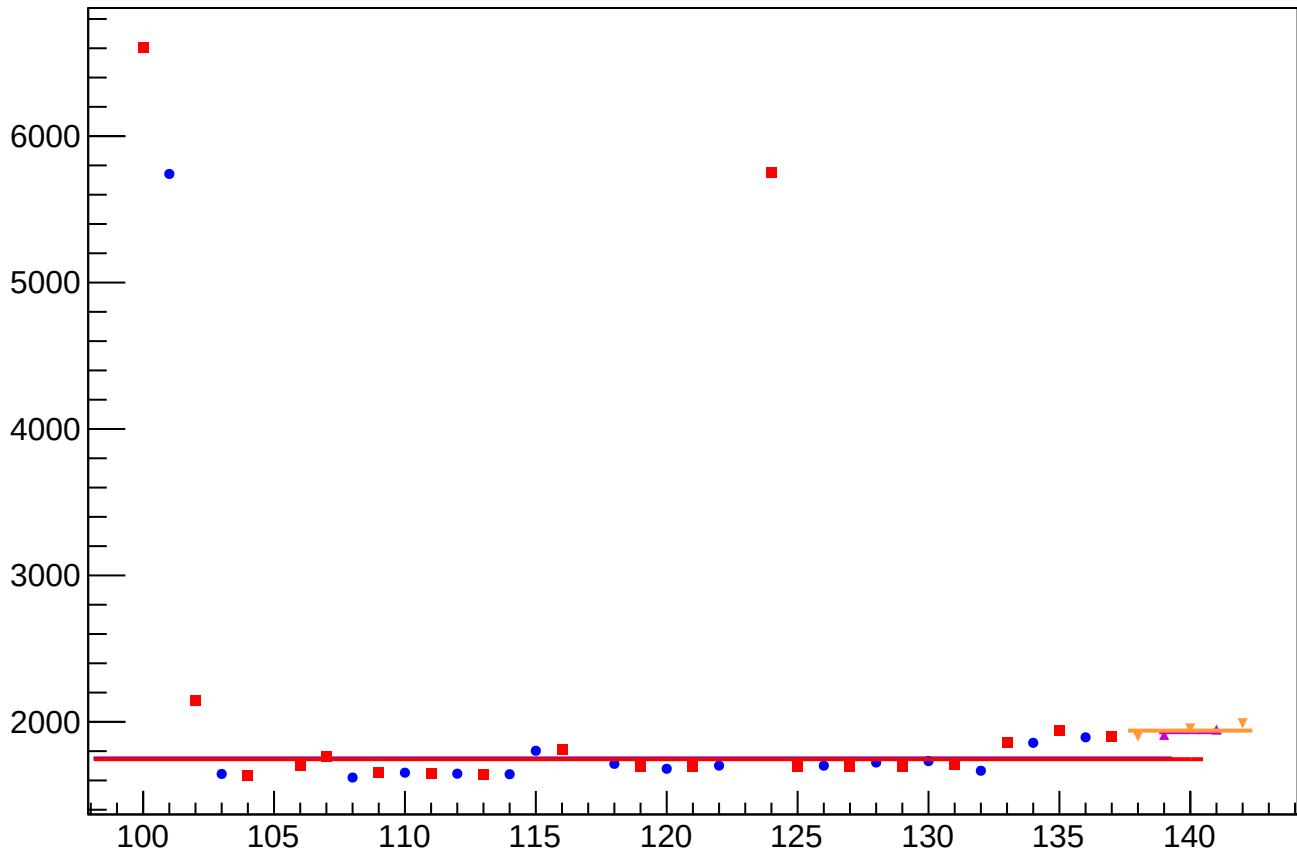
Left In: -1876.340+/-1466.512 χ^2/NDF : 0.5/1

+ sign 0.574+/-598.068 χ^2/NDF : 22.2/18

All: -178.359+/-422.966 χ^2/NDF : 33.1/39

- sign -357.408+/-598.261 χ^2/NDF : 10.8/20

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF : 669576.1/15

Left Out: 1940.455+/-0.955 χ^2/NDF :1383.1/2

Right Out: 1745.188+/-0.462 χ^2/NDF : 297979.0/18

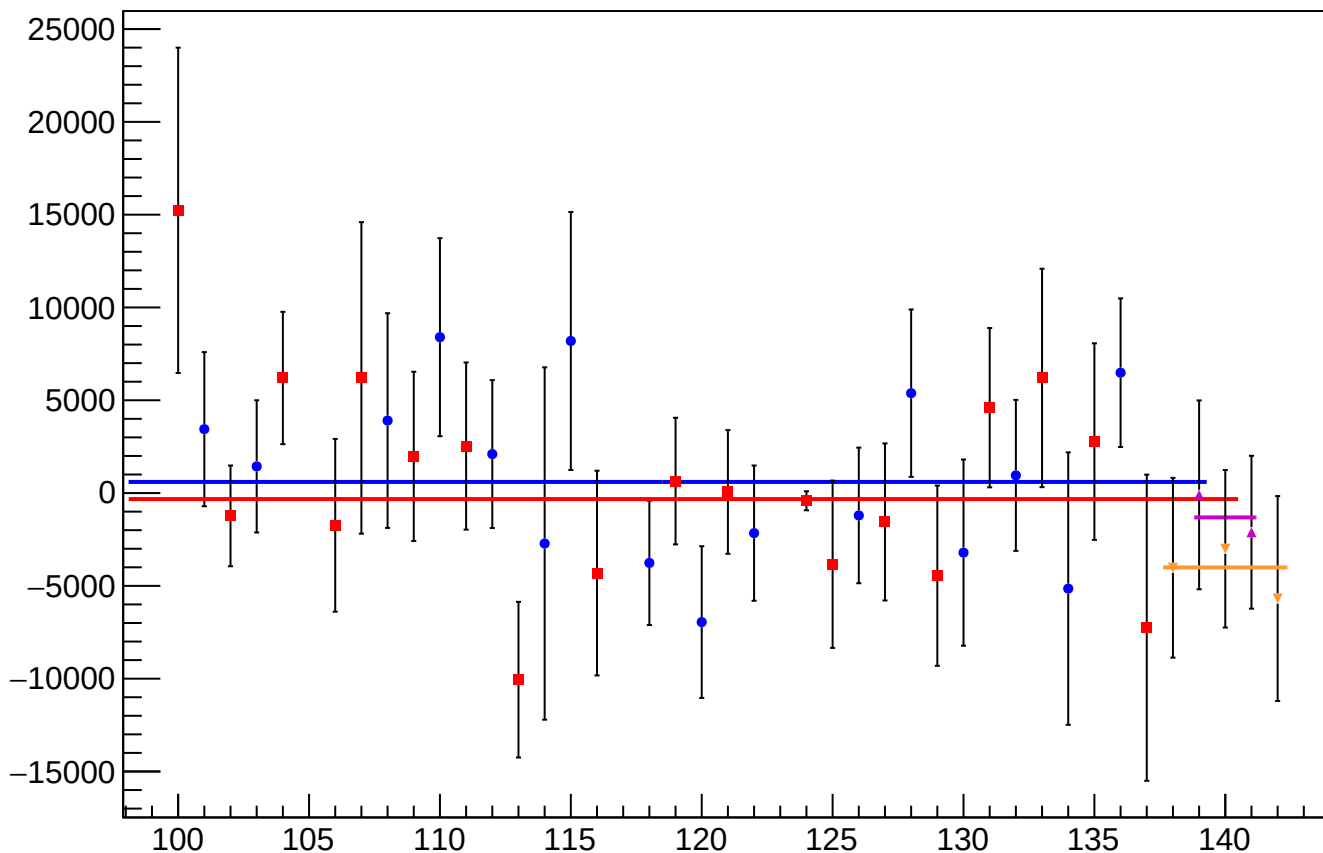
Left In: 1929.351+/-1.037 χ^2/NDF :305.8/1

+ sign 1787.236+/-0.423 χ^2/NDF : 702976.3/18

All: 1781.425+/-0.299 χ^2/NDF : 1027961.4/39

- sign 1775.646+/-0.422 χ^2/NDF : 324608.5/20

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202 ± 1100.125 $\chi^2/\text{NDF}: 14.9/15$

Left Out: -4006.620 ± 2762.714 $\chi^2/\text{NDF}: 0.1/2$

Right Out: -323.164 ± 458.862 $\chi^2/\text{NDF}: 19.0/18$

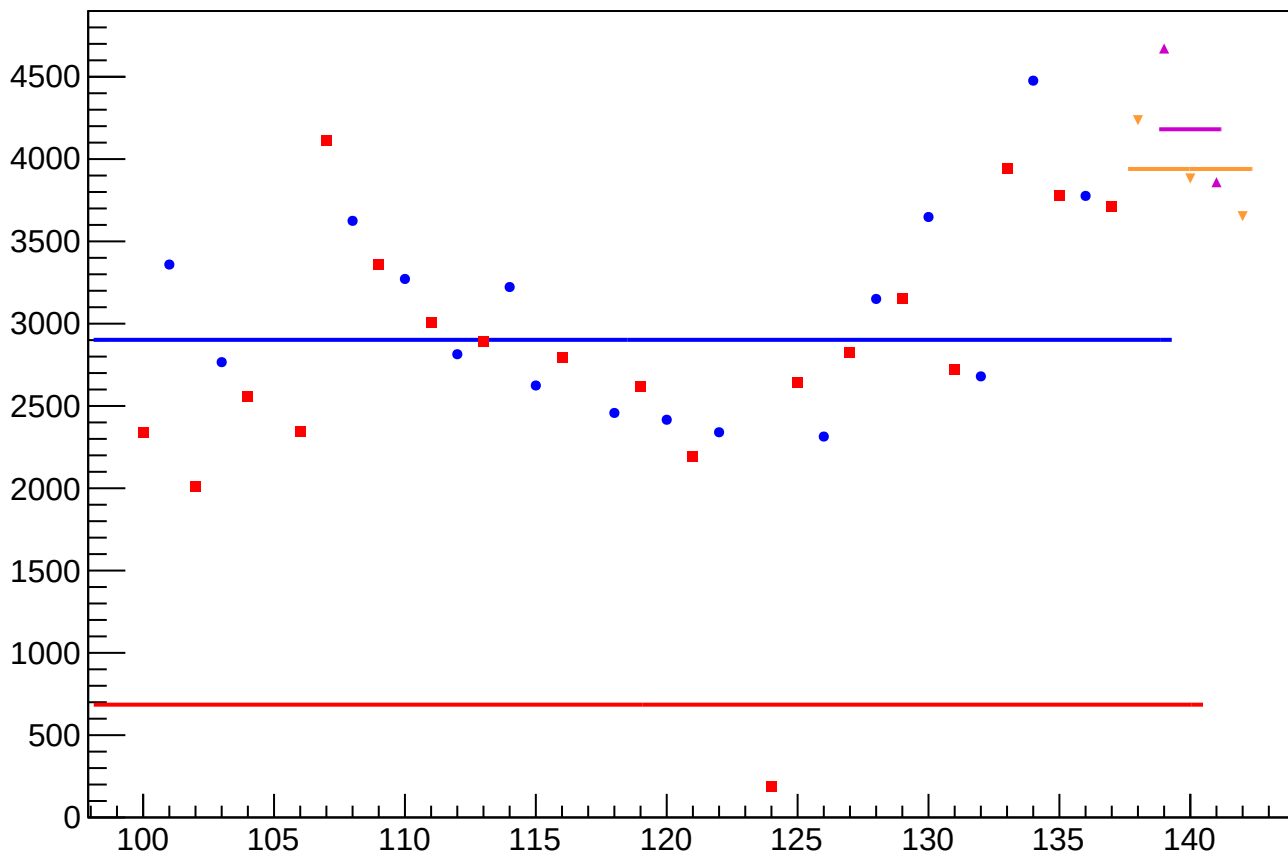
Left In: -1312.259 ± 3201.229 $\chi^2/\text{NDF}: 0.1/1$

+ sign -30.310 ± 1022.072 $\chi^2/\text{NDF}: 17.4/18$

All: -291.493 ± 415.077 $\chi^2/\text{NDF}: 36.7/39$

- sign -343.077 ± 454.220 $\chi^2/\text{NDF}: 19.2/20$

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF : 480934.2/15

Left Out: 3939.983+/-1.954 χ^2/NDF : 13254.3/2

Right Out: 685.257+/-0.324 χ^2/NDF : 10105797.4/18

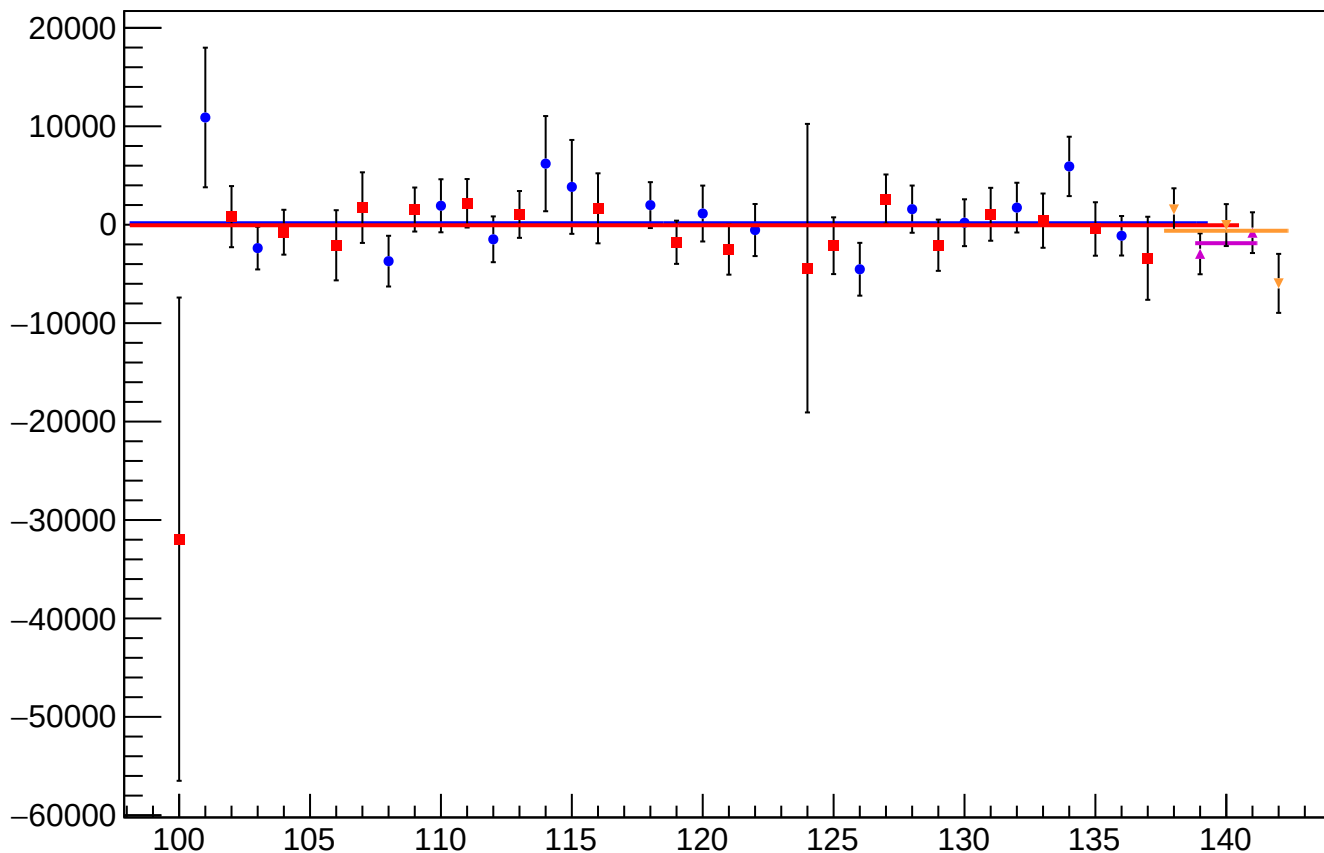
Left In: 4181.060+/-2.264 χ^2/NDF : 30777.5/1

+ sign 3043.943+/-0.723 χ^2/NDF : 737932.5/18

All: 1133.041+/-0.294 χ^2/NDF : 21583316.8/3

- sign 755.636+/-0.321 χ^2/NDF : 12473569.3/20

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254 $\pm$ 667.029 χ^2 /NDF: 17.6/15

Left Out: -613.098 $\pm$ 1350.616 χ^2 /NDF: 4.3/2

Right Out: -54.158 $\pm$ 655.266 χ^2 /NDF: 9.0/18

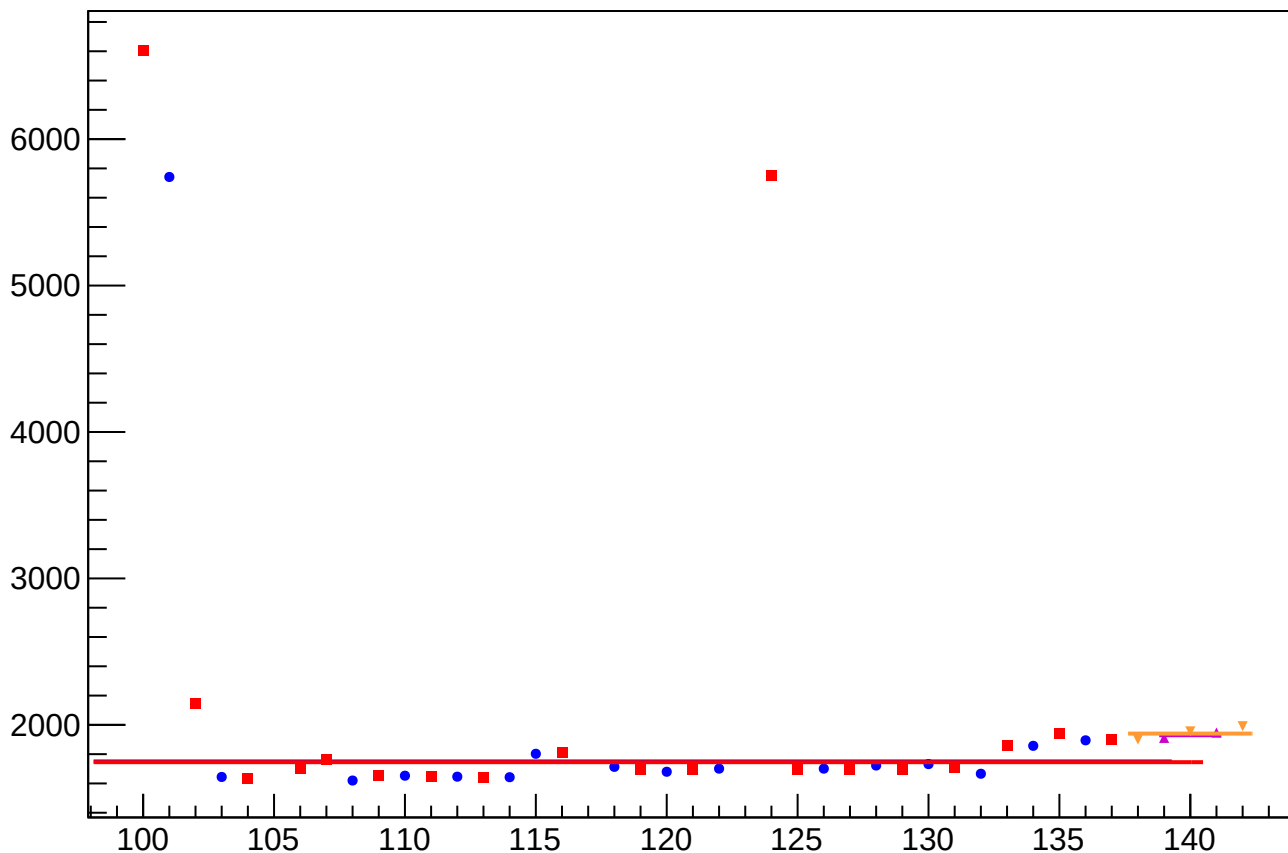
Left In: -1876.340 $\pm$ 1466.512 χ^2 /NDF: 0.5/1

+ sign 0.574 $\pm$ 598.068 χ^2 /NDF: 22.2/18

All: -178.359 $\pm$ 422.966 χ^2 /NDF: 33.1/39

- sign -357.408 $\pm$ 598.261 χ^2 /NDF: 10.8/20

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF : 669576.1/15

Left Out: 1940.455+/-0.955 χ^2/NDF :1383.1/2

Right Out: 1745.188+/-0.462 χ^2/NDF : 297979.0/18

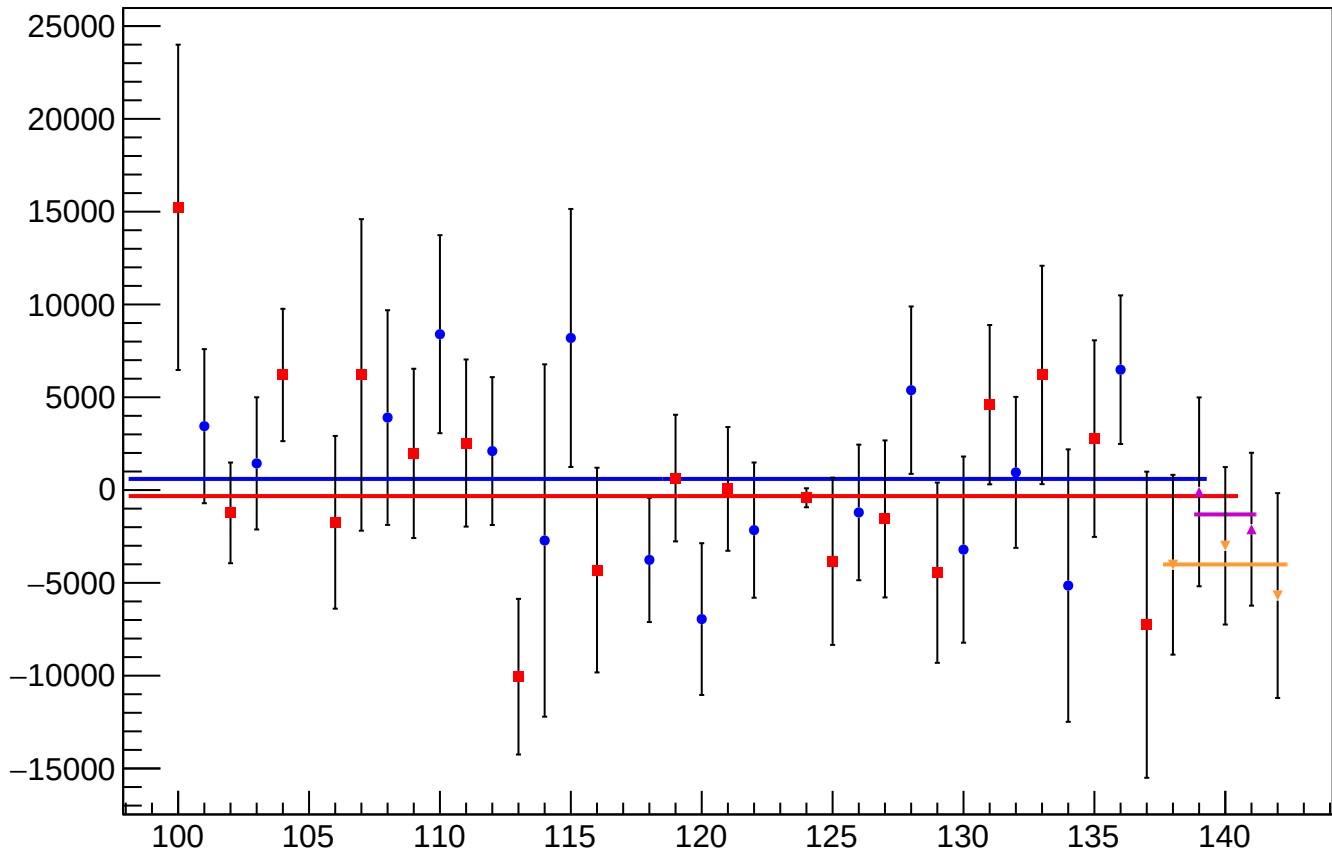
Left In: 1929.351+/-1.037 χ^2/NDF :305.8/1

+ sign 1787.236+/-0.423 χ^2/NDF : 702976.3/18

All: 1781.425+/-0.299 χ^2/NDF : 1027961.4/39

- sign 1775.646+/-0.422 χ^2/NDF : 324608.5/20

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202 ± 1100.125 $\chi^2/\text{NDF}: 14.9/15$

Left Out: -4006.620 ± 2762.714 $\chi^2/\text{NDF}: 0.1/2$

Right Out: -323.164 ± 458.862 $\chi^2/\text{NDF}: 19.0/18$

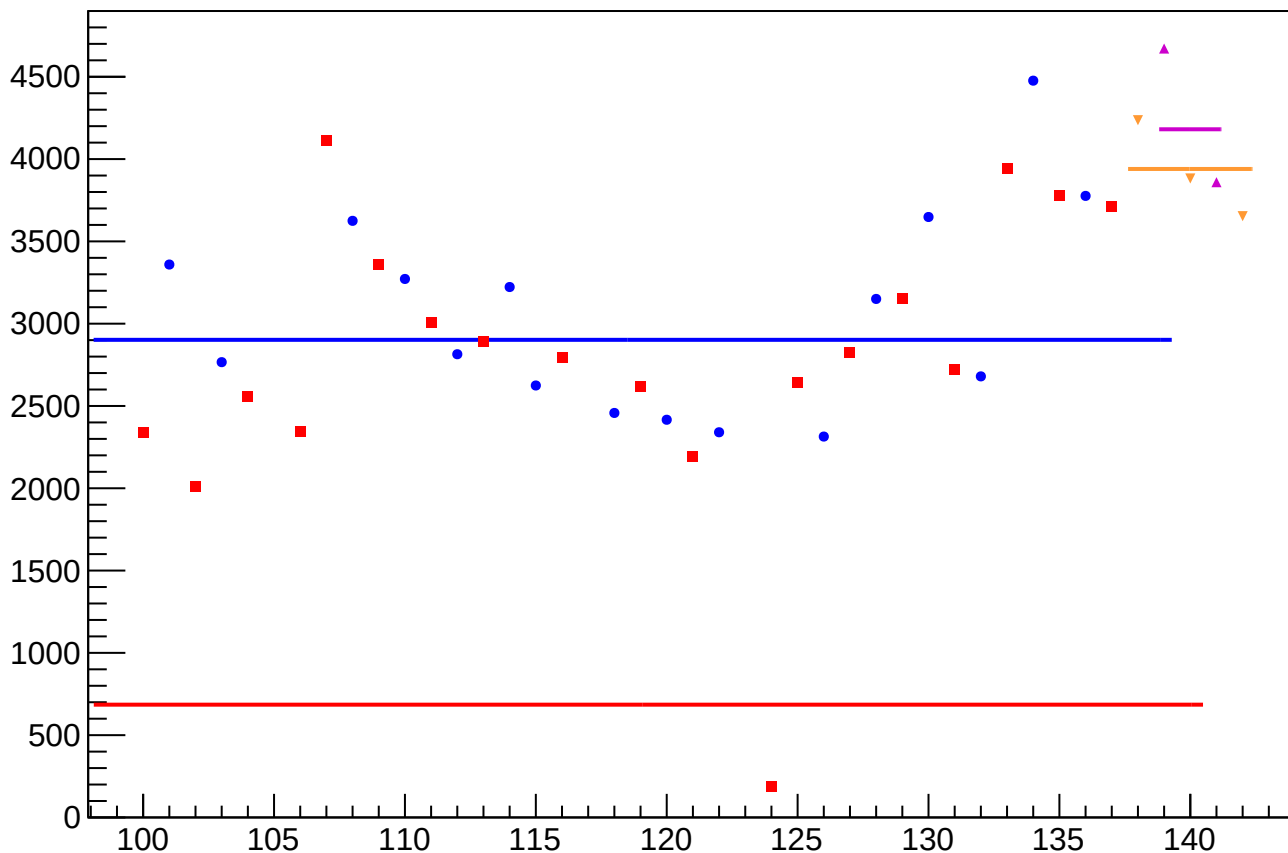
Left In: -1312.259 ± 3201.229 $\chi^2/\text{NDF}: 0.1/1$

+ sign -30.310 ± 1022.072 $\chi^2/\text{NDF}: 17.4/18$

All: -291.493 ± 415.077 $\chi^2/\text{NDF}: 36.7/39$

- sign -343.077 ± 454.220 $\chi^2/\text{NDF}: 19.2/20$

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF : 480934.2/15

Left Out: 3939.983+/-1.954 χ^2/NDF : 13254.3/2

Right Out: 685.257+/-0.324 χ^2/NDF : 10105797.4/18

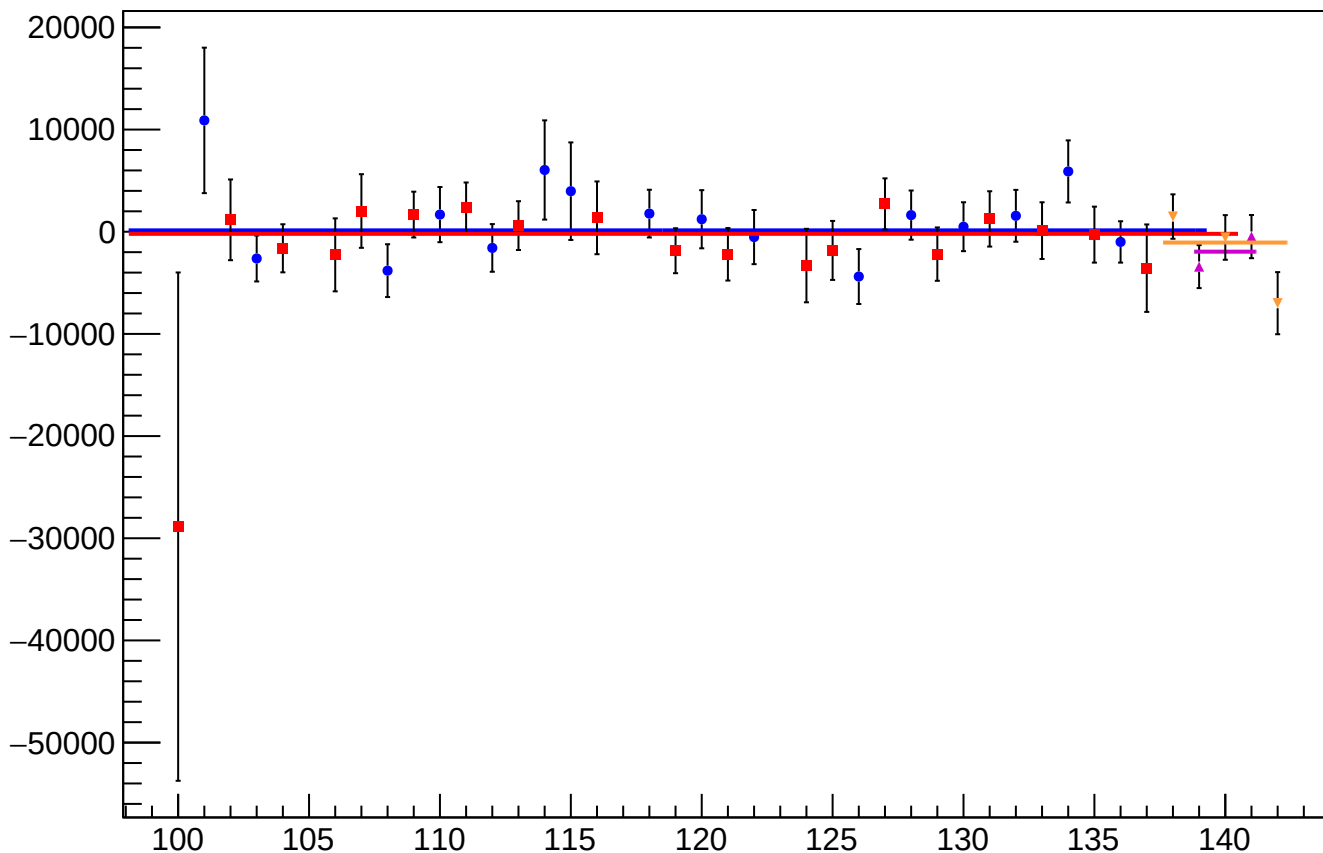
Left In: 4181.060+/-2.264 χ^2/NDF : 30777.5/1

+ sign 3043.943+/-0.723 χ^2/NDF : 737932.5/18

All: 1133.041+/-0.294 χ^2/NDF : 21583316.8/3

- sign 755.636+/-0.321 χ^2/NDF : 12473569.3/20

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838 $\pm$ 671.621 χ^2 /NDF: 17.3/15

Left Out: -1057.201 $\pm$ 1374.602 χ^2 /NDF: 5.2/2

Right Out: -205.424 $\pm$ 654.444 χ^2 /NDF: 9.7/18

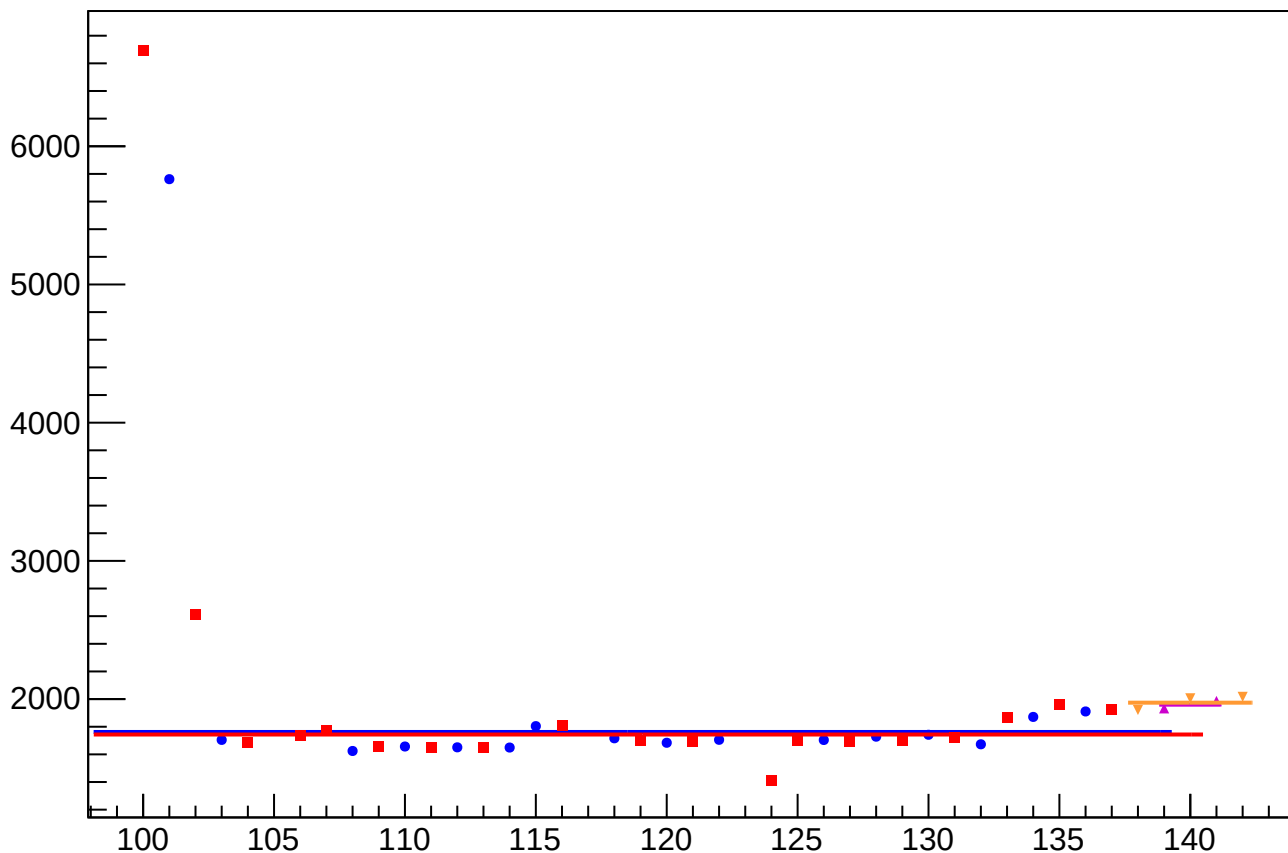
Left In: -1950.617 $\pm$ 1489.776 χ^2 /NDF: 1.0/1

+ sign -95.695 $\pm$ 603.444 χ^2 /NDF: 23.1/18

All: -293.101 $\pm$ 425.184 χ^2 /NDF: 35.2/39

- sign -487.727 $\pm$ 599.179 χ^2 /NDF: 11.8/20

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052 $\pm$ 0.475 χ^2 /NDF: 667696.6/15

Left Out: 1974.072 $\pm$ 0.972 χ^2 /NDF:1989.2/2

Right Out: 1743.723 $\pm$ 0.461 χ^2 /NDF: 227762.1/18

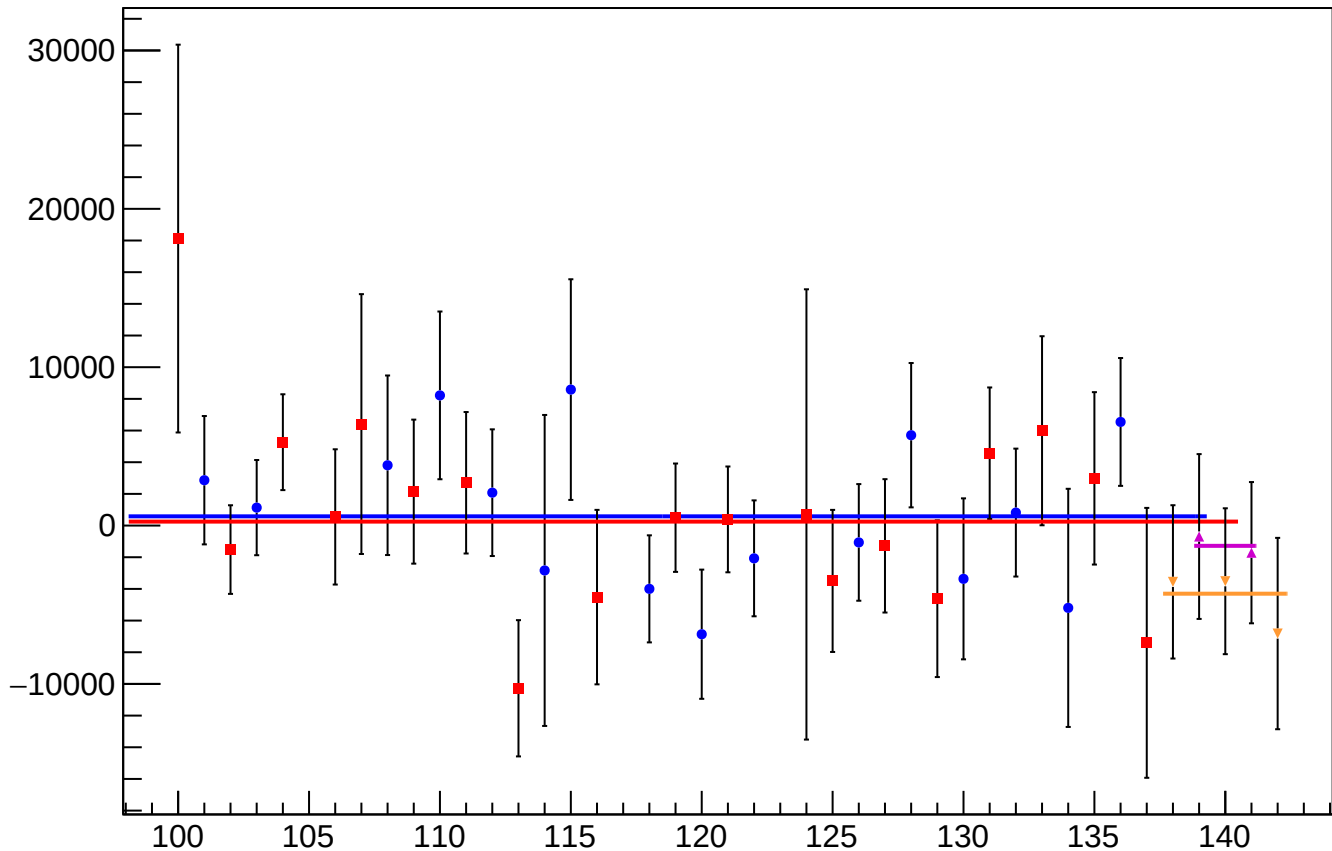
Left In: 1959.595 $\pm$ 1.053 χ^2 /NDF:653.0/1

+ sign 1802.912 $\pm$ 0.427 χ^2 /NDF: 708097.0/18

All: 1790.577 $\pm$ 0.300 χ^2 /NDF: 973400.9/39

- sign 1778.474 $\pm$ 0.423 χ^2 /NDF: 263648.3/20

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223 ± 1081.481 χ^2/NDF : 14.9/15

Left Out: -4302.548 ± 2921.005 χ^2/NDF : 0.2/2

Right Out: 250.224 ± 1021.012 χ^2/NDF : 17.9/18

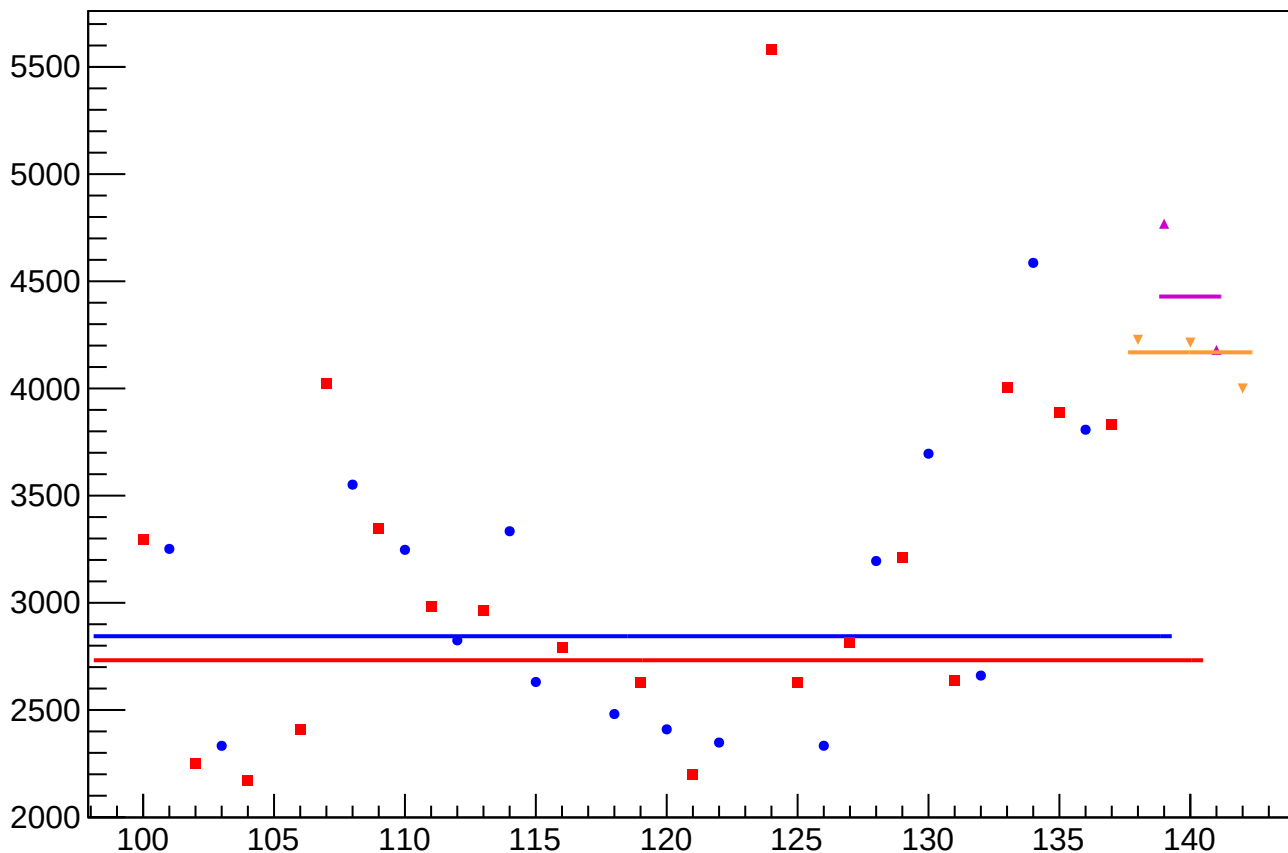
Left In: -1280.575 ± 3386.370 χ^2/NDF : 0.0/1

+ sign -6.656 ± 1014.200 χ^2/NDF : 17.6/18

All: 60.382 ± 703.831 χ^2/NDF : 35.7/39

- sign 122.662 ± 977.546 χ^2/NDF : 18.1/20

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF : 542032.5/15

Left Out: 4168.619+/-2.065 χ^2/NDF : 2039.4/2

Right Out: 2731.978+/-0.722 χ^2/NDF : 611275.1/18

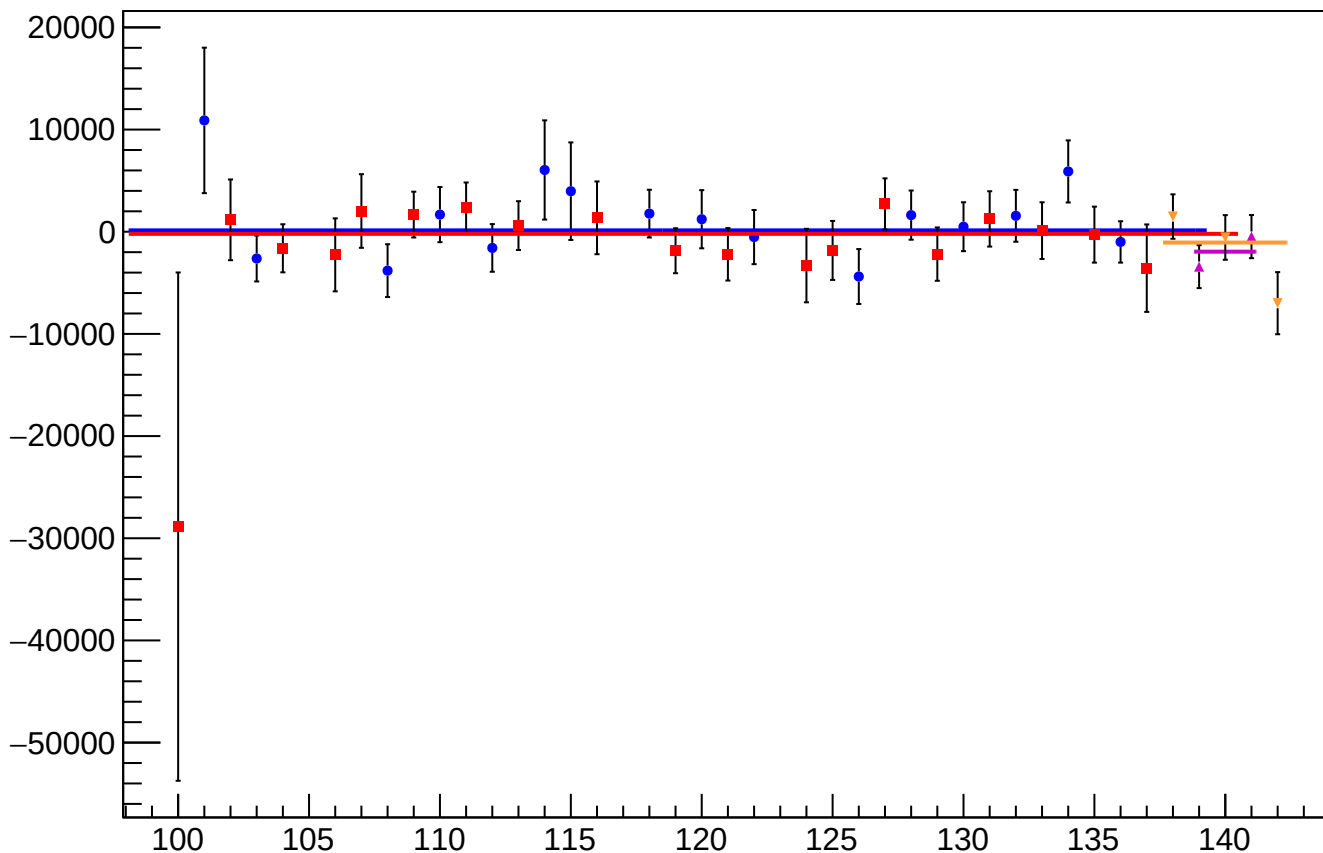
Left In: 4428.854+/-2.395 χ^2/NDF : 14778.2/1

+ sign 3003.823+/-0.717 χ^2/NDF : 905695.3/18

All: 2936.201+/-0.498 χ^2/NDF : 2009234.8/39

- sign 2873.380+/-0.691 χ^2/NDF : 1086388.7/20

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837 ± 671.621 χ^2/NDF : 17.3/15

Left Out: -1057.215 ± 1374.602 χ^2/NDF : 5.2/2

Right Out: -205.422 ± 654.444 χ^2/NDF : 9.7/18

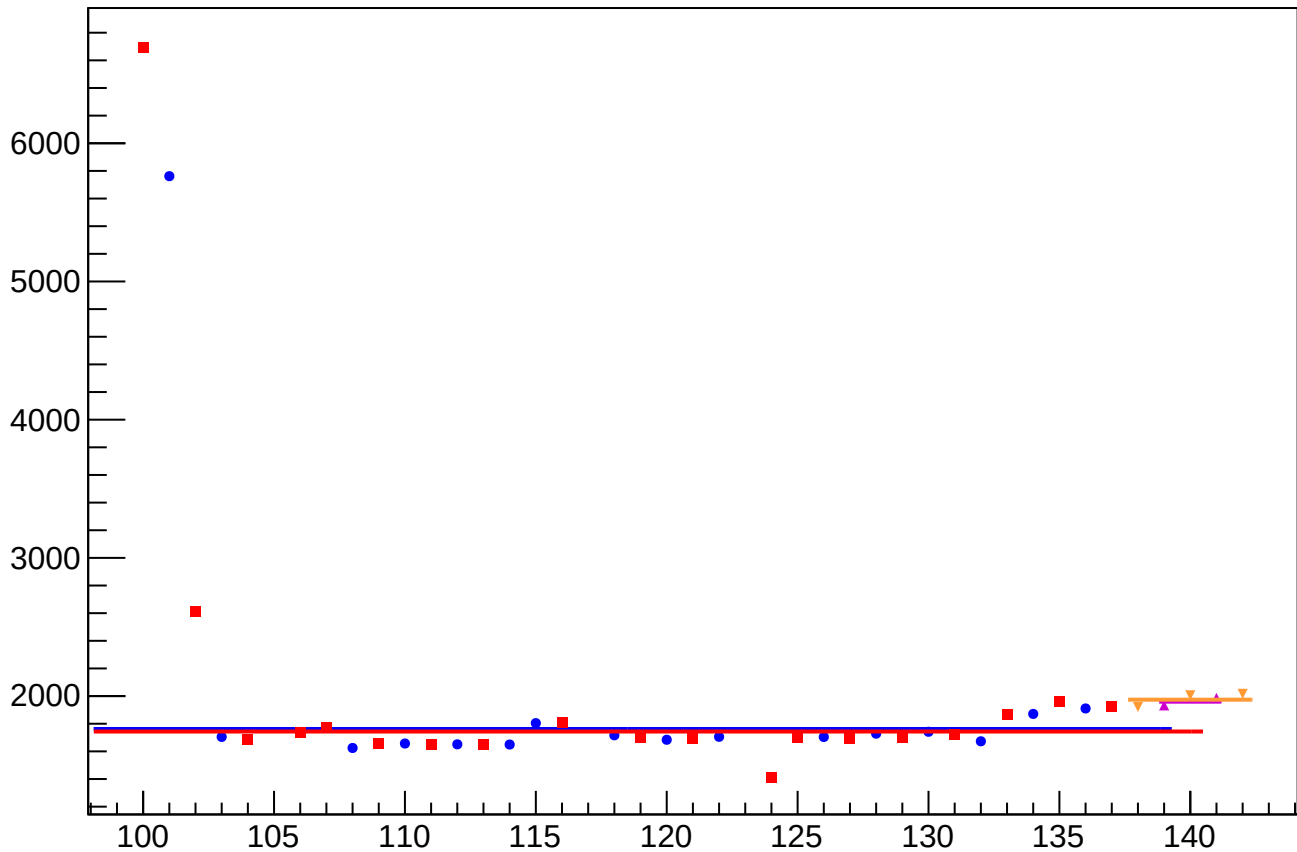
Left In: -1950.616 ± 1489.777 χ^2/NDF : 1.0/1

+ sign -95.699 ± 603.444 χ^2/NDF : 23.1/18

All: -293.102 ± 425.184 χ^2/NDF : 35.2/39

- sign -487.725 ± 599.179 χ^2/NDF : 11.8/20

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052 $\pm$ 0.475 χ^2 /NDF: 667696.6/15

Left Out: 1974.073 $\pm$ 0.972 χ^2 /NDF:1989.3/2

Right Out: 1743.723 $\pm$ 0.461 χ^2 /NDF: 227762.1/18

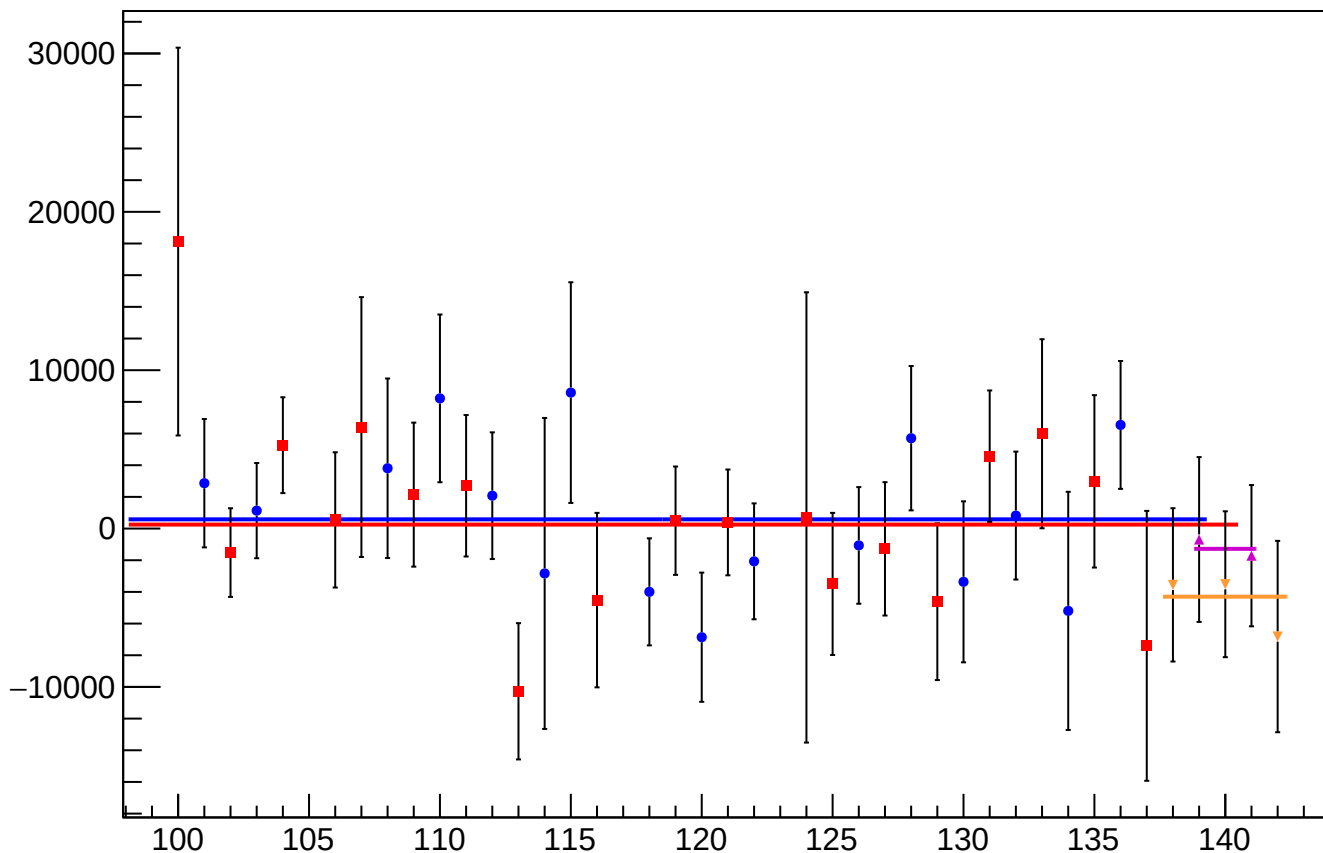
Left In: 1959.596 $\pm$ 1.053 χ^2 /NDF:653.0/1

+ sign 1802.912 $\pm$ 0.427 χ^2 /NDF: 708097.3/18

All: 1790.577 $\pm$ 0.300 χ^2 /NDF: 973401.6/39

- sign 1778.474 $\pm$ 0.423 χ^2 /NDF: 263648.7/20

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 582.219 $\pm$ 1081.478 χ^2 /NDF: 14.9/15

Left Out: -4302.567 $\pm$ 2921.014 χ^2 /NDF: 0.2/2

Right Out: 250.225 $\pm$ 1021.010 χ^2 /NDF: 17.9/18

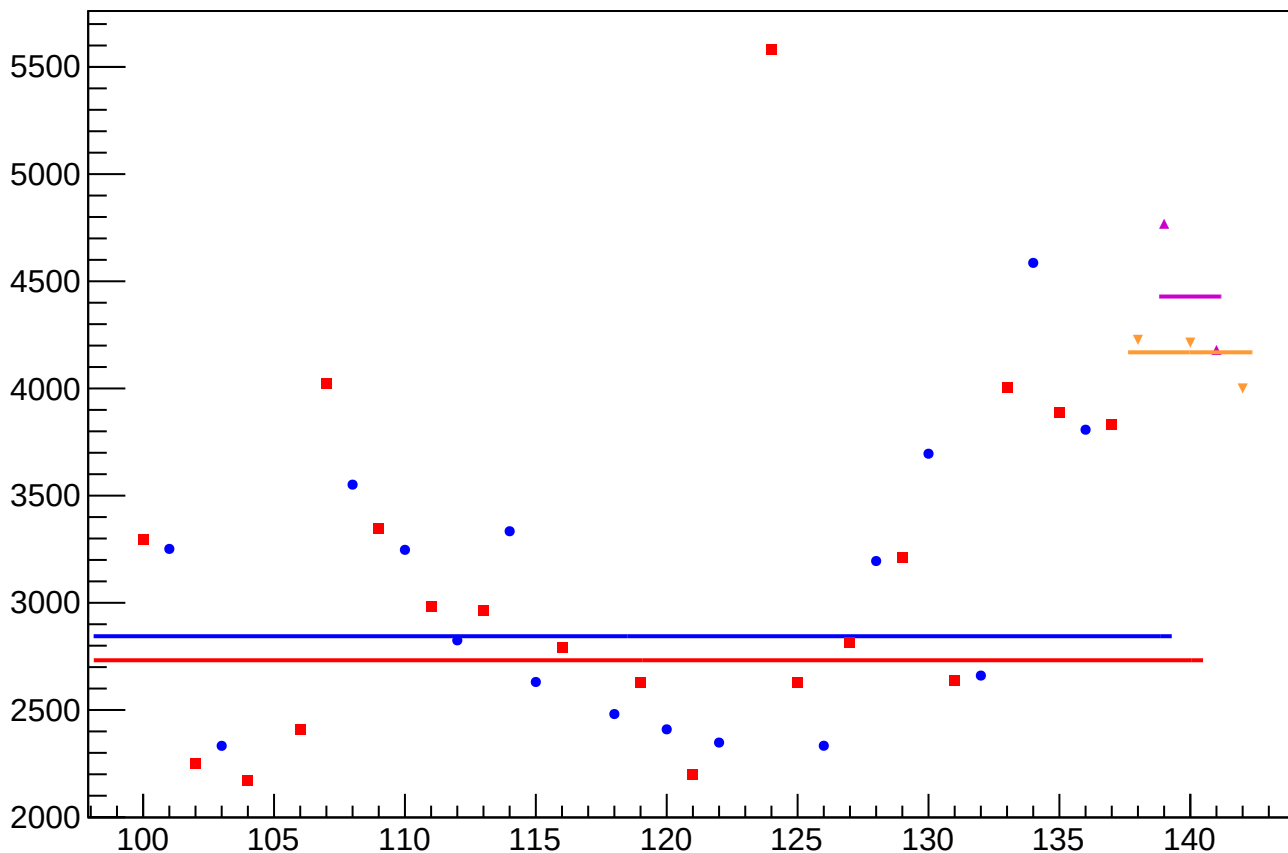
Left In: -1280.575 $\pm$ 3386.379 χ^2 /NDF: 0.0/1

+ sign -6.657 $\pm$ 1014.198 χ^2 /NDF: 17.6/18

All: 60.382 $\pm$ 703.830 χ^2 /NDF: 35.7/39

- sign 122.663 $\pm$ 977.545 χ^2 /NDF: 18.1/20

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF : 542036.2/15

Left Out: 4168.632+/-2.065 χ^2/NDF : 2039.3/2

Right Out: 2731.972+/-0.722 χ^2/NDF : 611272.5/18

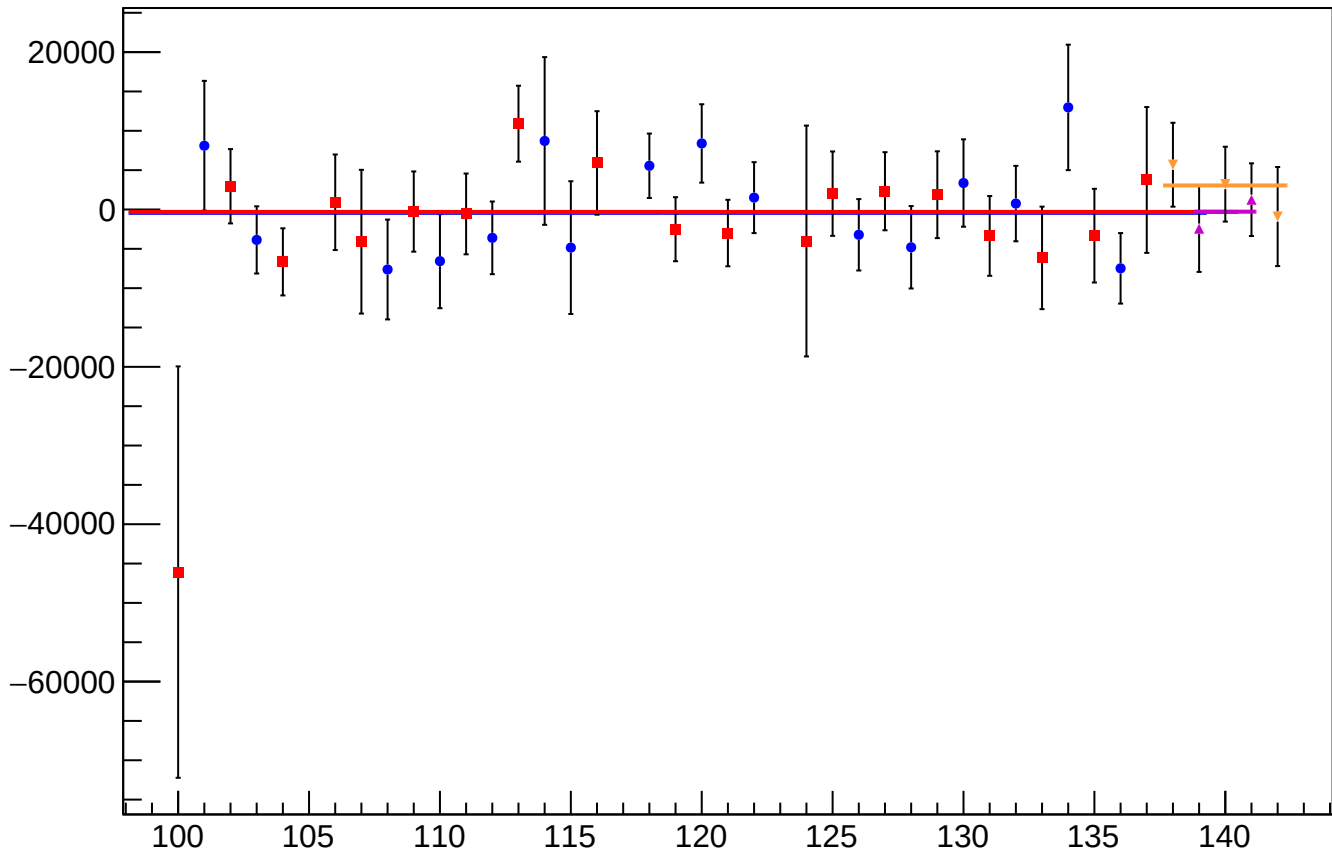
Left In: 4428.865+/-2.395 χ^2/NDF : 14778.8/1

+ sign 3003.816+/-0.717 χ^2/NDF : 905708.2/18

All: 2936.195+/-0.498 χ^2/NDF : 2009252.2/39

- sign 2873.374+/-0.691 χ^2/NDF : 1086393.5/20

asym_atr1l2_dd_mean vs Slug



Right In: -423.131 ± 1327.258 χ^2/NDF : 17.9/15

Left Out: 3057.581 ± 3091.826 χ^2/NDF : 0.6/2

Right Out: -307.823 ± 1275.718 χ^2/NDF : 15.3/18

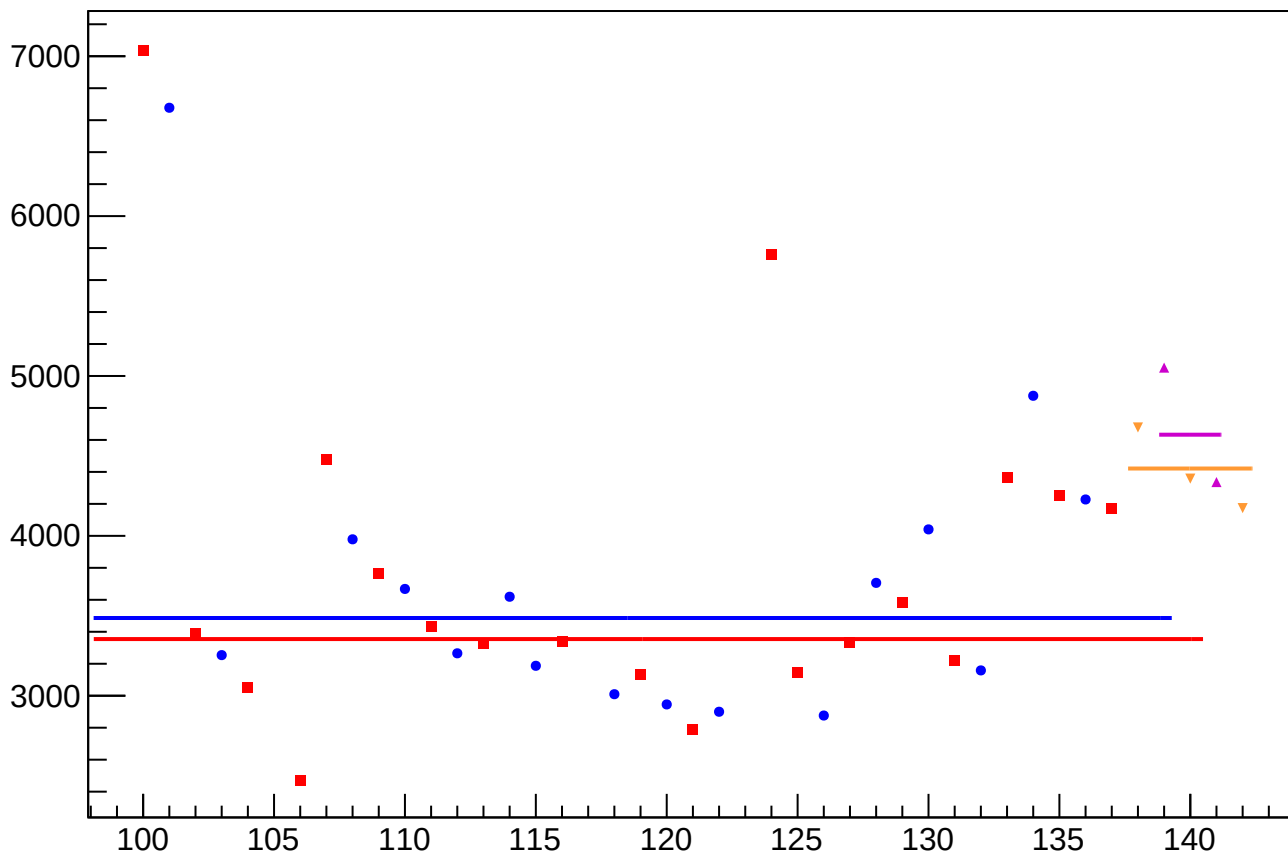
Left In: -276.411 ± 3538.112 χ^2/NDF : 0.3/1

+ sign 118.488 ± 1219.630 χ^2/NDF : 19.6/18

All: -96.274 ± 855.417 χ^2/NDF : 35.2/39

- sign -304.209 ± 1200.091 χ^2/NDF : 15.5/20

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF : 595790.9/15

Left Out: 4421.175+/-2.186 χ^2/NDF : 8086.8/2

Right Out: 3354.426+/-0.889 χ^2/NDF : 376426.3/18

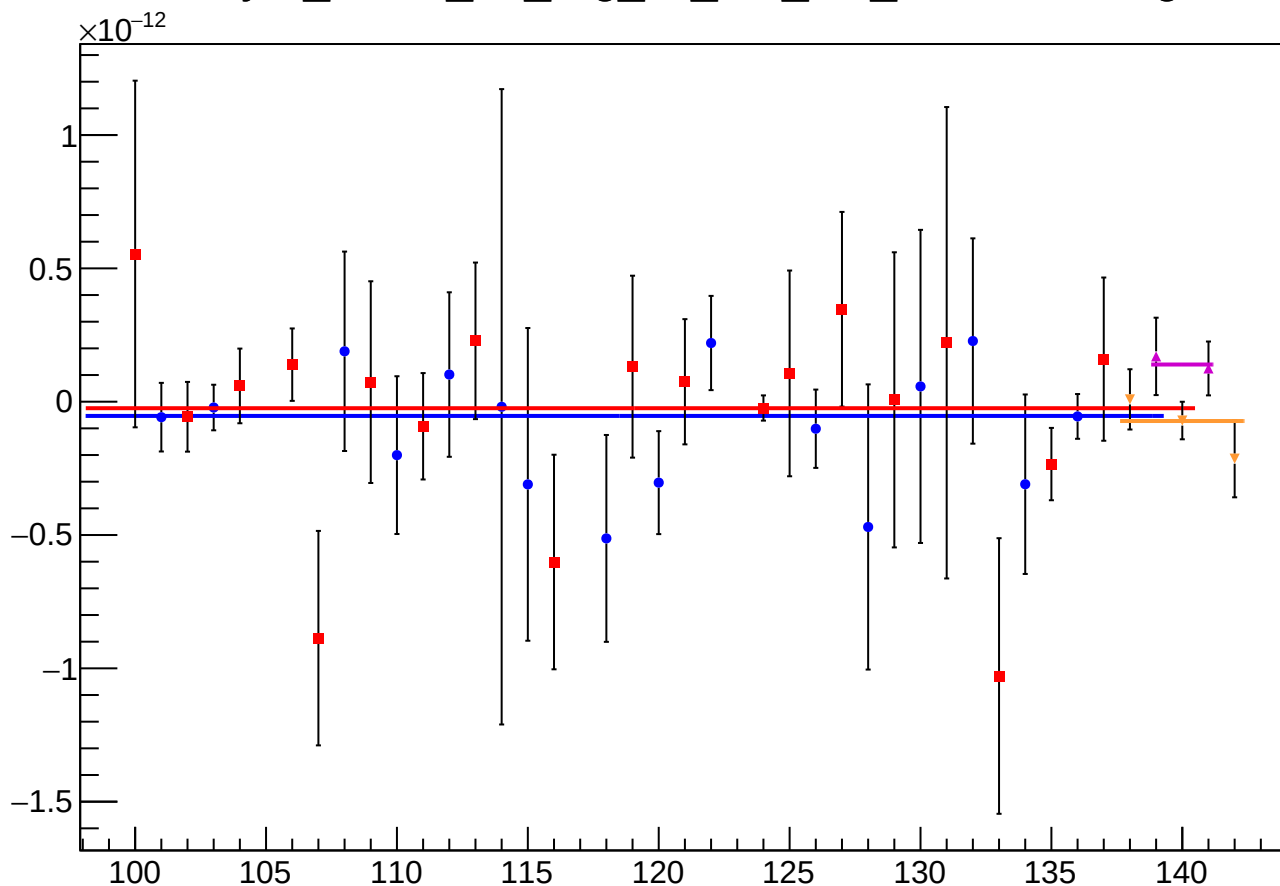
Left In: 4632.709+/-2.502 χ^2/NDF : 19863.7/1

+ sign 3631.659+/-0.862 χ^2/NDF : 758323.3/18

All: 3562.856+/-0.601 χ^2/NDF : 1398752.9/39

- sign 3497.877+/-0.838 χ^2/NDF : 628053.6/20

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:1.5/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/18

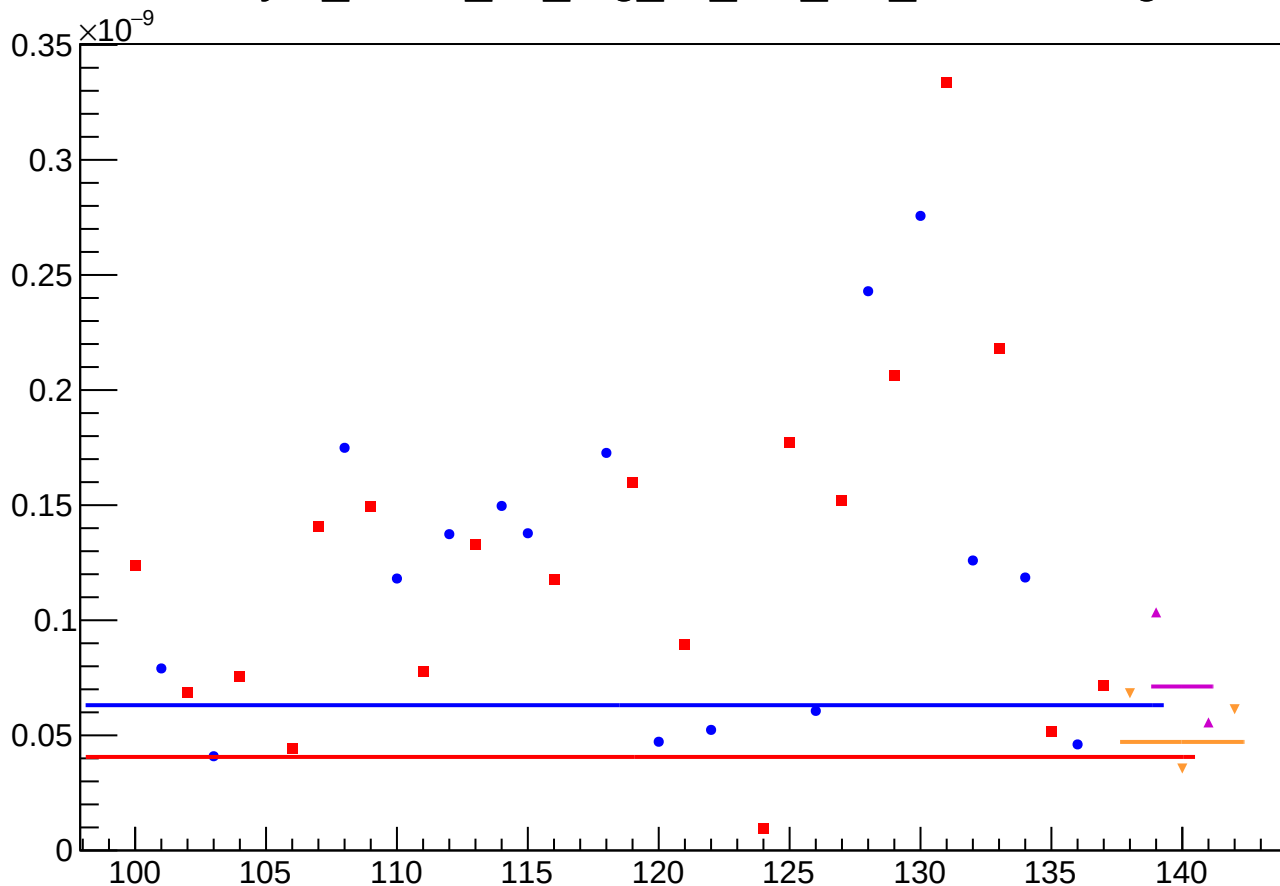
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.1/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 10.1/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.5/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.7/20

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 143095.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3172346.7/18

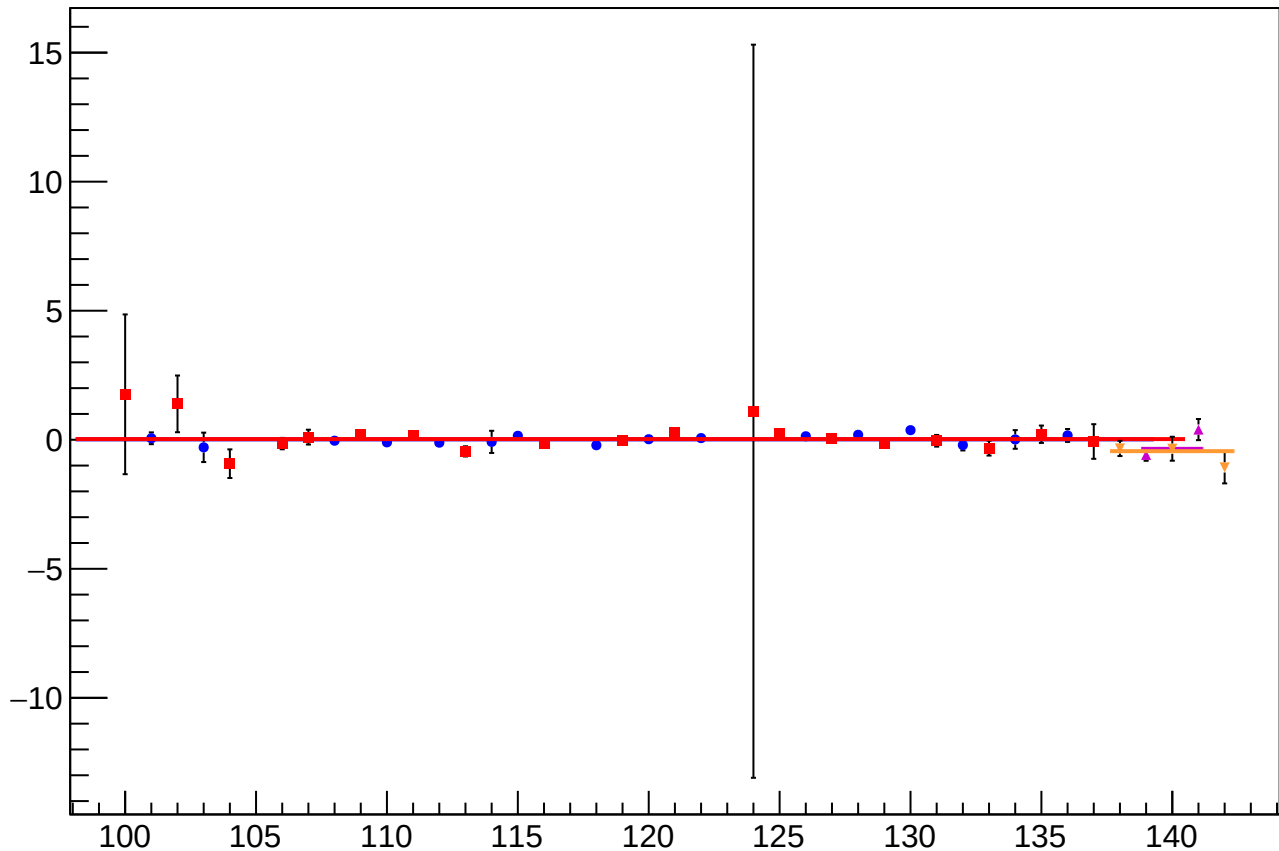
Left In: 0.000+/-0.000 χ^2/NDF : 146245.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 1676398.8/18

All: 0.000+/-0.000 χ^2/NDF : 5339205.0/39

- sign 0.000+/-0.000 χ^2/NDF : 3548420.3/20

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.048 χ^2/NDF : 11.8/15

Left Out: -0.442 ± 0.231 χ^2/NDF : 1.2/2

Right Out: 0.026 ± 0.047 χ^2/NDF : 22.1/18

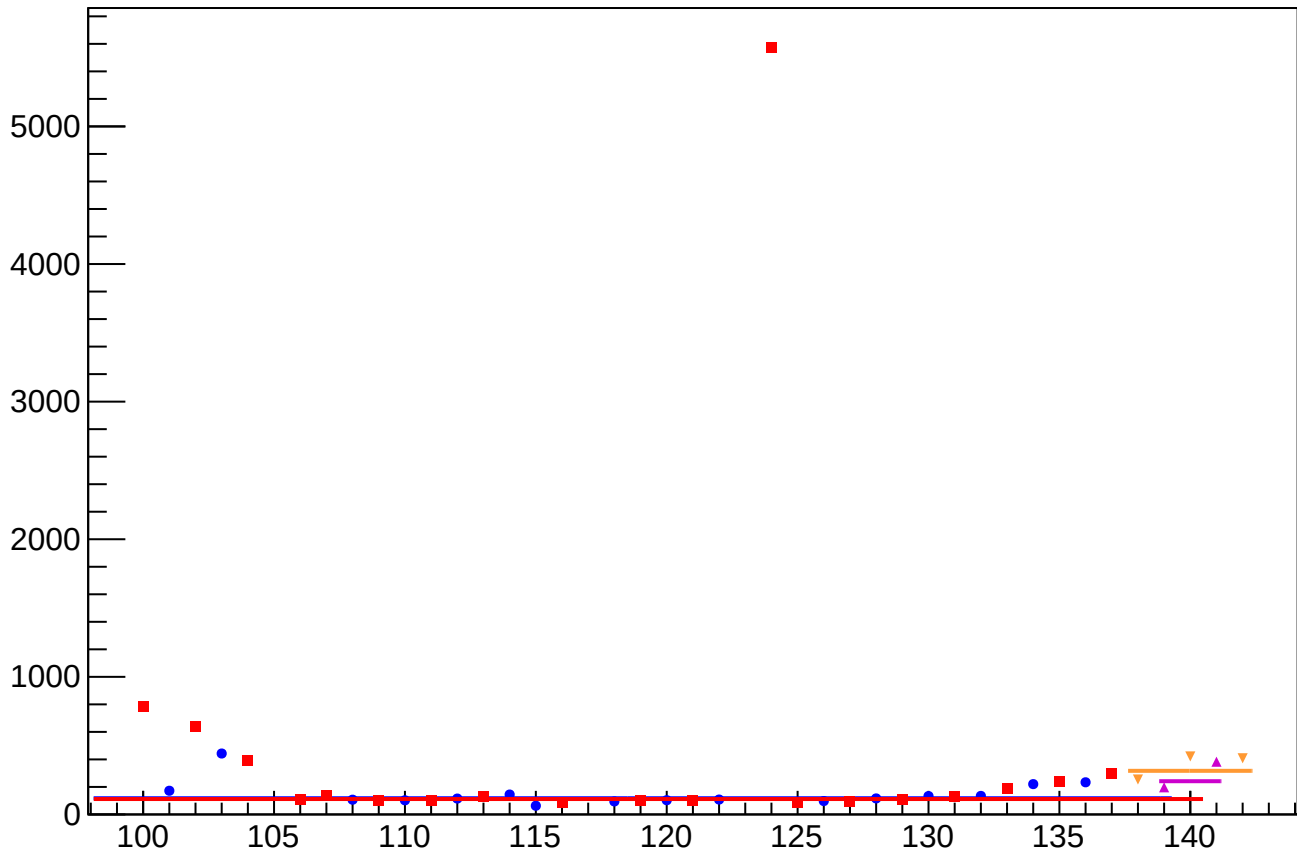
Left In: -0.352 ± 0.200 χ^2/NDF : 4.4/1

+ sign -0.004 ± 0.047 χ^2/NDF : 16.8/18

All: 0.001 ± 0.033 χ^2/NDF : 46.6/39

- sign 0.006 ± 0.046 χ^2/NDF : 29.8/20

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: 317.073+/-0.163 χ^2/NDF :236182.0/2

+ sign 125.868+/-0.033 χ^2/NDF : 3387713.7/18

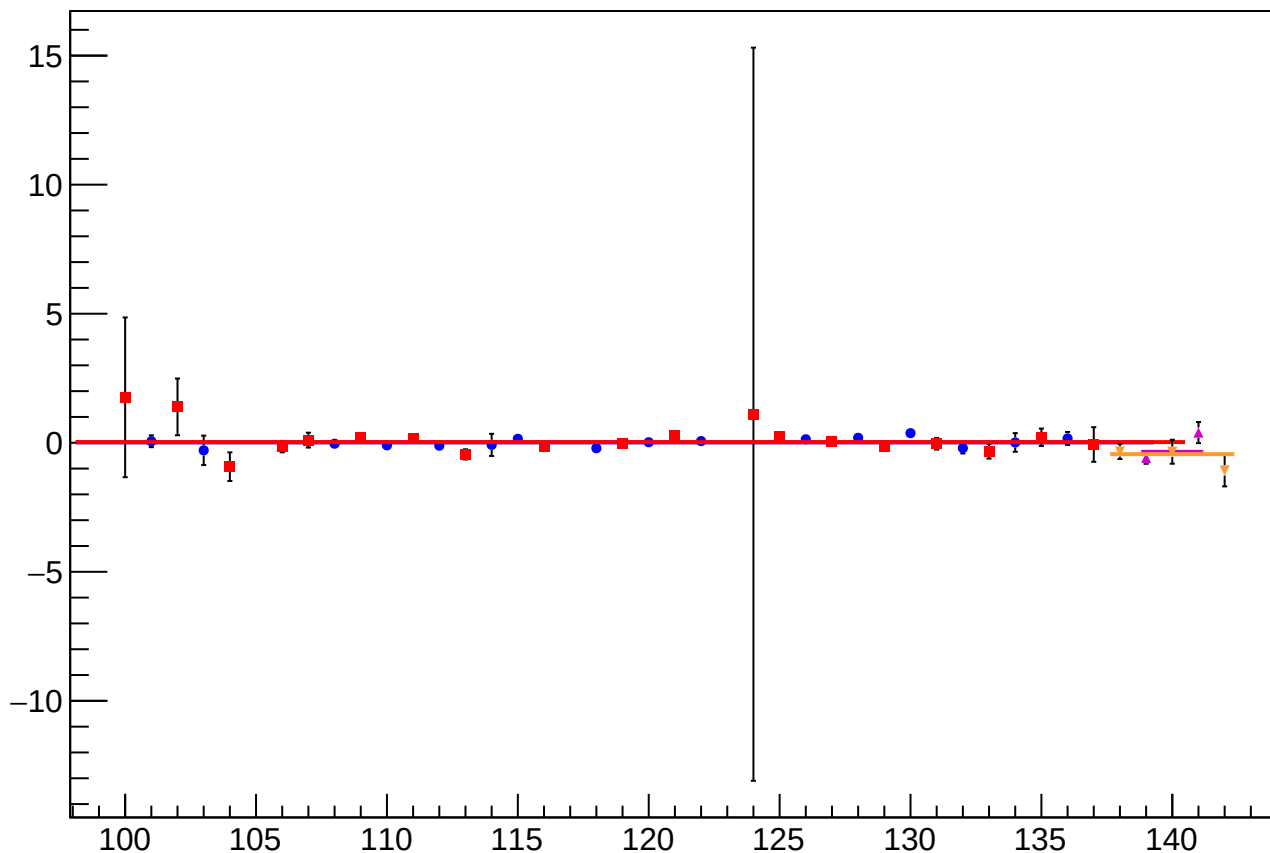
Right Out: 112.124+/-0.033 χ^2/NDF : 2186364.8/18

All: 122.273 ± 0.023 χ^2/NDF : 6707709.0/39

- sign 118.873+/-0.032 χ^2/NDF : 3297121.3/20

Left In: 241.587+/-0.141 χ^2/NDF :314417.2/1

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: -0.442 $\pm$ 0.231 χ^2 /NDF: 1.2/2

Right Out: 0.026 $\pm$ 0.047 χ^2 /NDF: 22.1/18

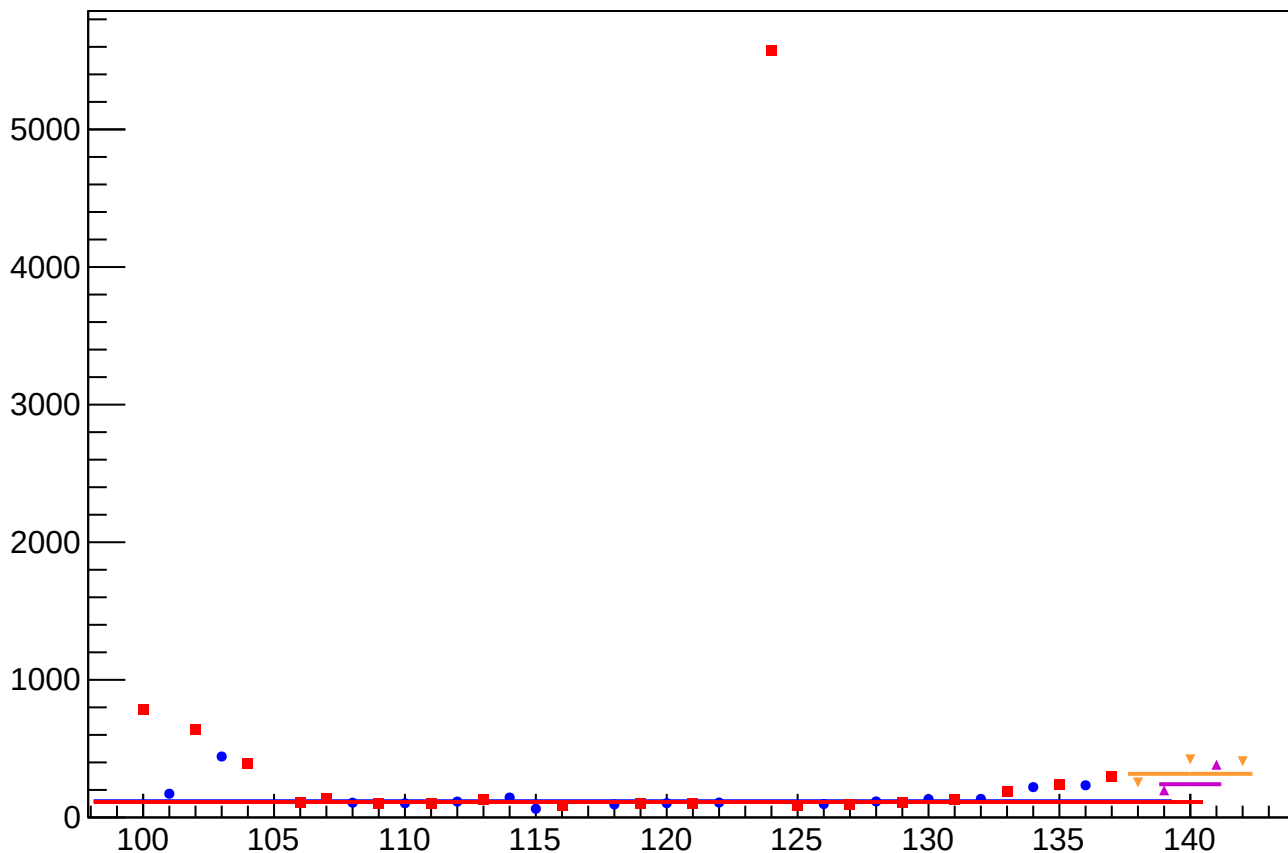
Left In: -0.352 $\pm$ 0.200 χ^2 /NDF: 4.4/1

+ sign -0.004 $\pm$ 0.047 χ^2 /NDF: 16.8/18

All: 0.001 $\pm$ 0.033 χ^2 /NDF: 46.6/39

- sign 0.006 $\pm$ 0.046 χ^2 /NDF: 29.8/20

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: 317.073 $\pm$ 0.163 χ^2 /NDF:236182.0/2

Right Out: 112.124 $\pm$ 0.033 χ^2 /NDF: 2186364.8/18

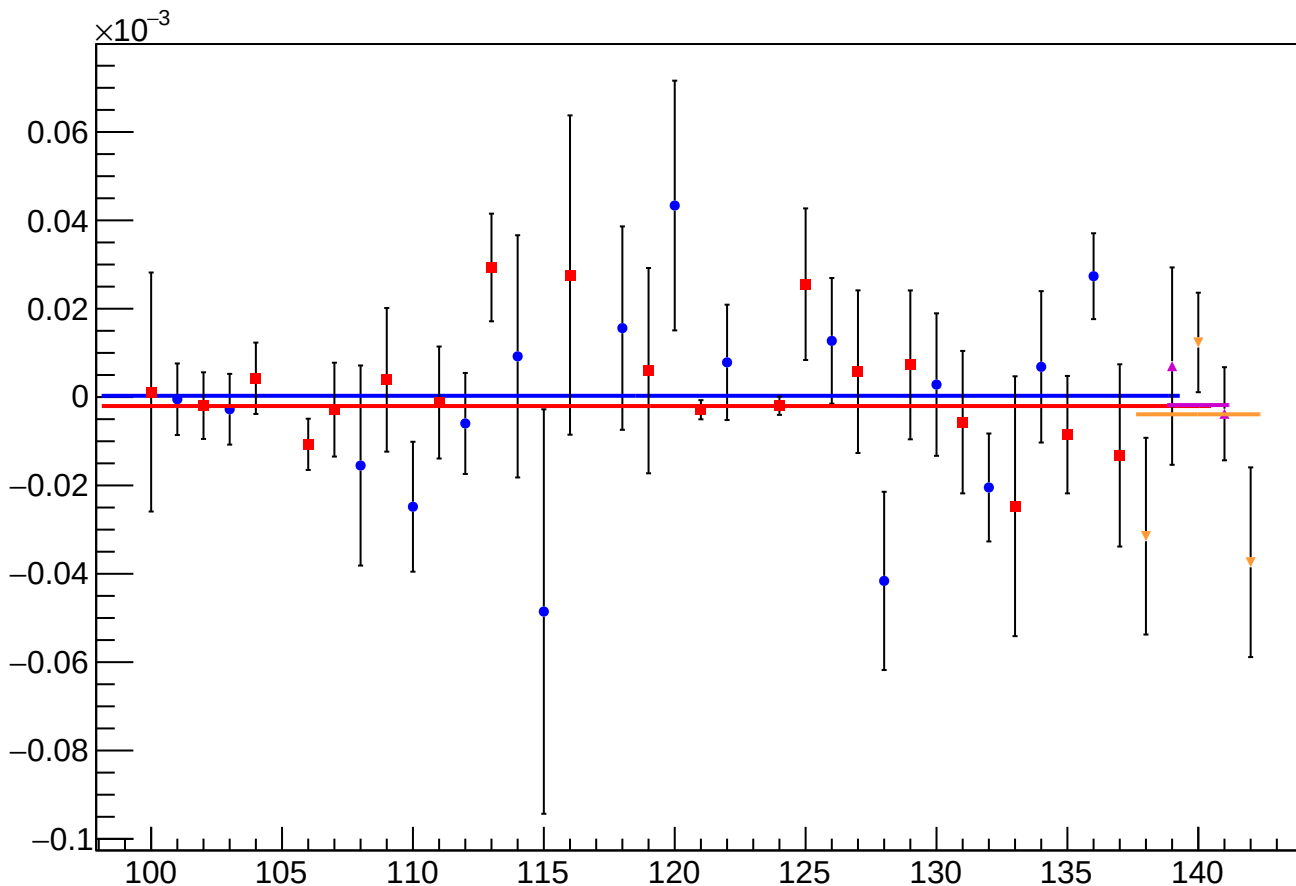
Left In: 241.587 $\pm$ 0.141 χ^2 /NDF:314417.2/1

+ sign 125.868 $\pm$ 0.033 χ^2 /NDF: 3387713.7/18

All: 122.273 $\pm$ 0.023 χ^2 /NDF: 6707709.0/39

- sign 118.873 $\pm$ 0.032 χ^2 /NDF: 3297121.3/20

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: 6.1/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

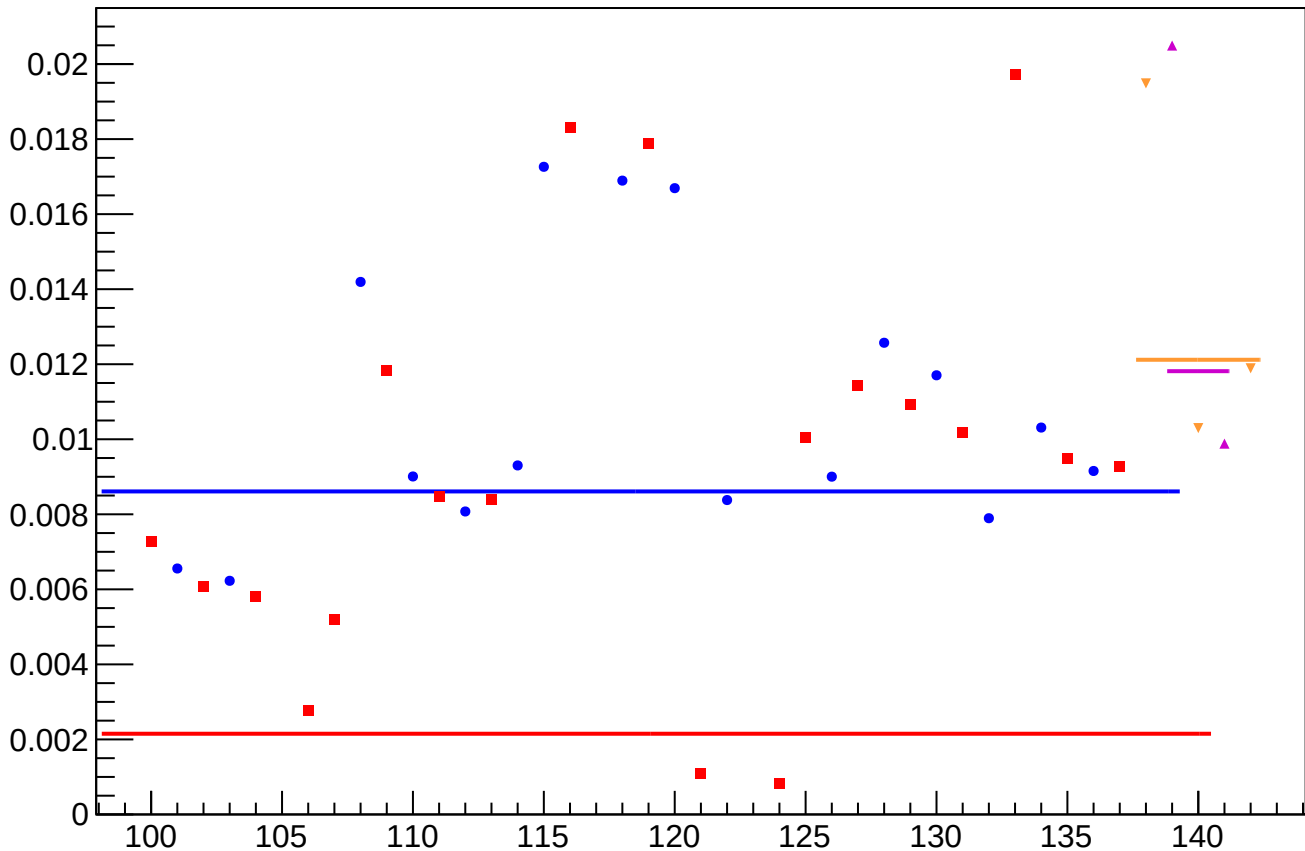
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 30.3/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.6/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/20

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: 0.012+/-0.000 χ^2/NDF : 271423.6/2

Right Out: 0.002+/-0.000 χ^2/NDF : 9086978.1/18

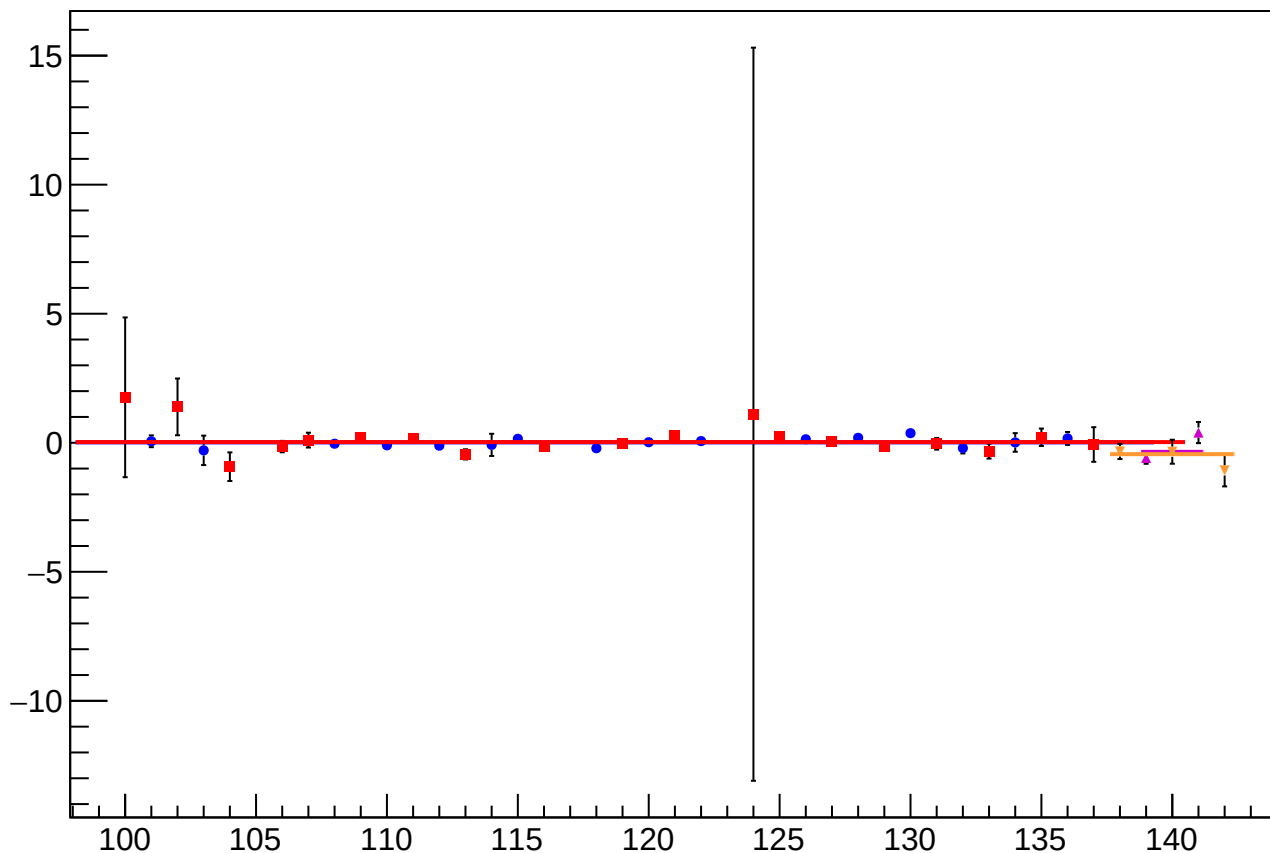
Left In: 0.012+/-0.000 χ^2/NDF : 369094.2/1

+ sign 0.009+/-0.000 χ^2/NDF : 1647077.7/18

All: 0.003+/-0.000 χ^2/NDF : 20742164.3/39

- sign 0.002+/-0.000 χ^2/NDF : 11472734.2/20

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.048 χ^2 /NDF: 11.8/15

Left Out: -0.442 $\pm$ 0.231 χ^2 /NDF: 1.2/2

Right Out: 0.026 $\pm$ 0.047 χ^2 /NDF: 22.1/18

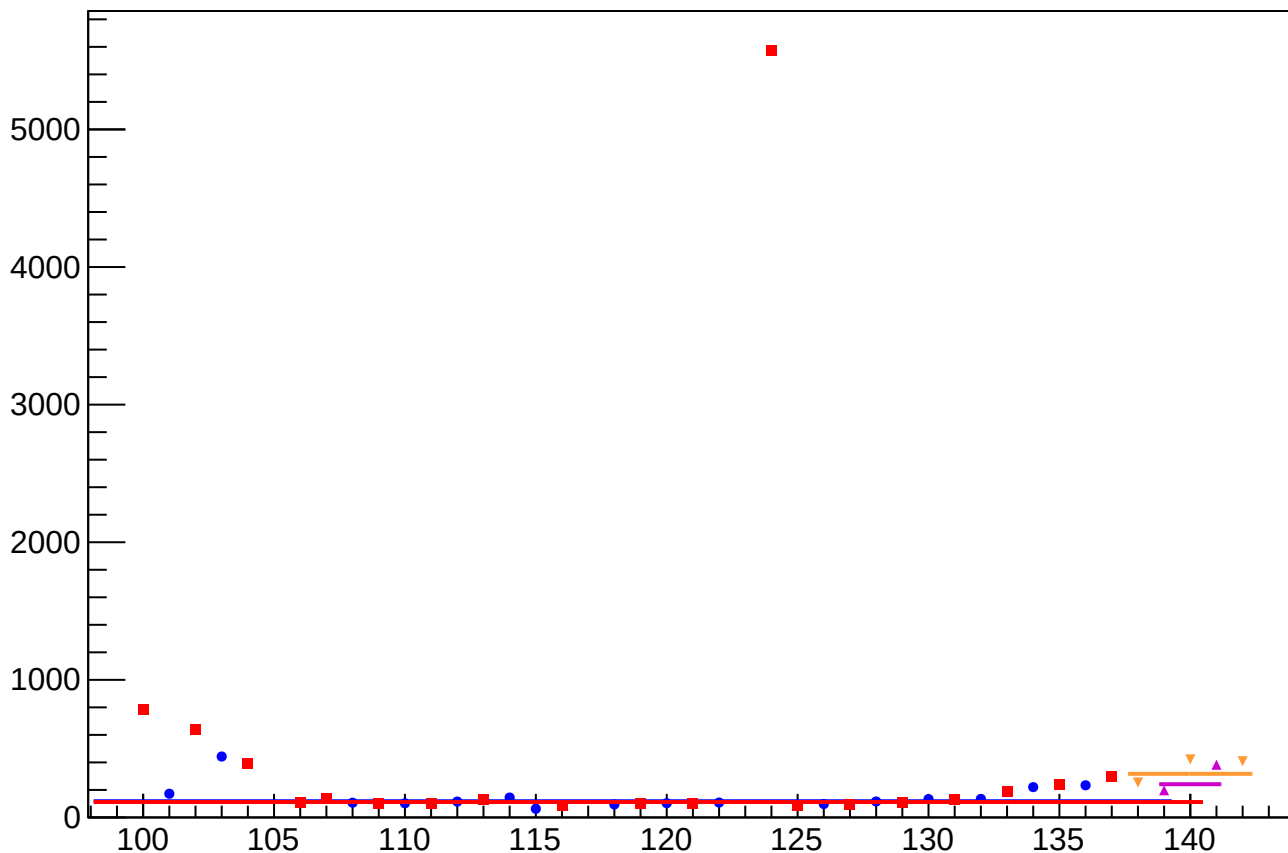
Left In: -0.352 $\pm$ 0.200 χ^2 /NDF: 4.4/1

+ sign -0.004 $\pm$ 0.047 χ^2 /NDF: 16.8/18

All: 0.001 $\pm$ 0.033 χ^2 /NDF: 46.6/39

- sign 0.006 $\pm$ 0.046 χ^2 /NDF: 29.8/20

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: 317.076 $\pm$ 0.163 χ^2 /NDF:236189.3/2

Right Out: 112.126 $\pm$ 0.033 χ^2 /NDF: 2186296.2/18

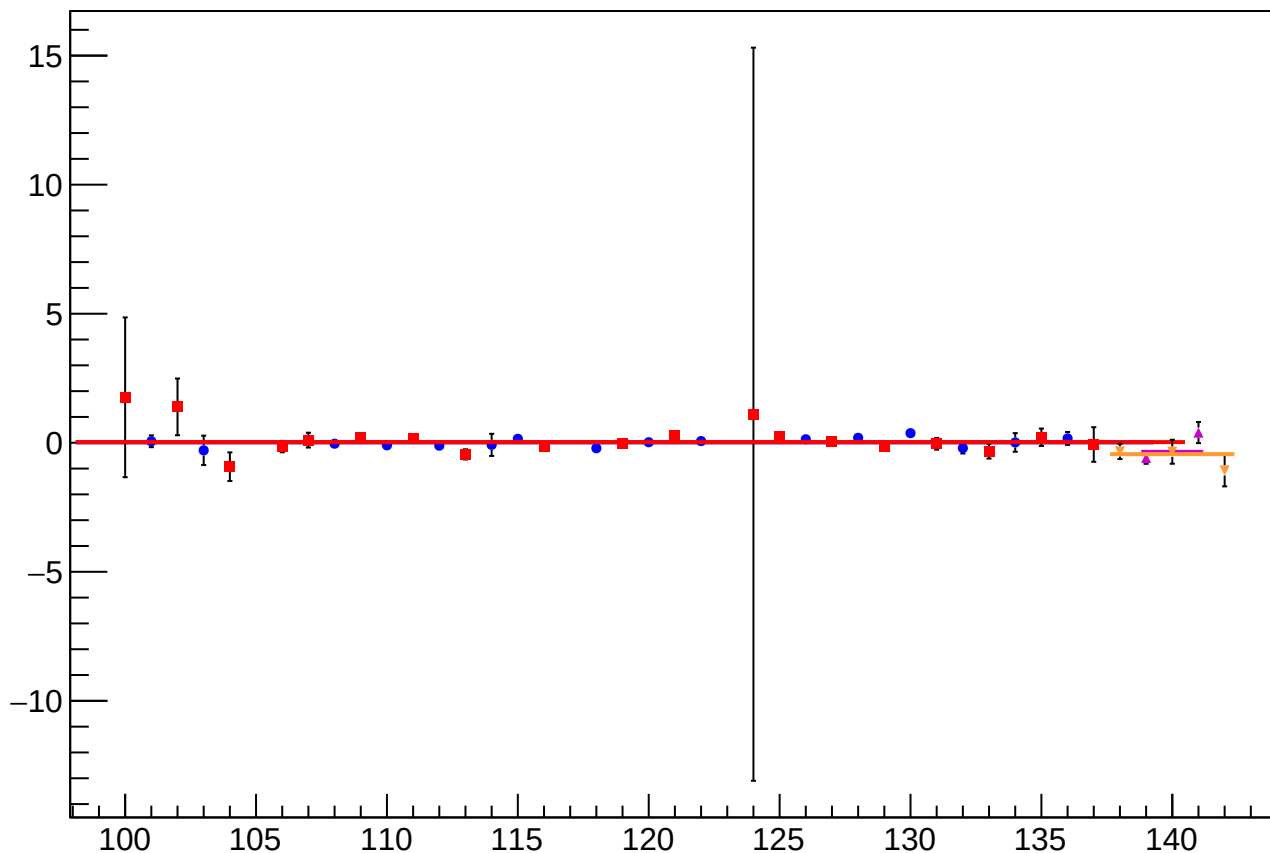
Left In: 241.592 $\pm$ 0.141 χ^2 /NDF:314410.6/1

+ sign 125.868 $\pm$ 0.033 χ^2 /NDF: 3387709.0/18

All: 122.274 $\pm$ 0.023 χ^2 /NDF: 6707626.1/39

- sign 118.874 $\pm$ 0.032 χ^2 /NDF: 3297054.5/20

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: -0.442 $\pm$ 0.231 χ^2 /NDF: 1.2/2

Right Out: 0.026 $\pm$ 0.047 χ^2 /NDF: 22.1/18

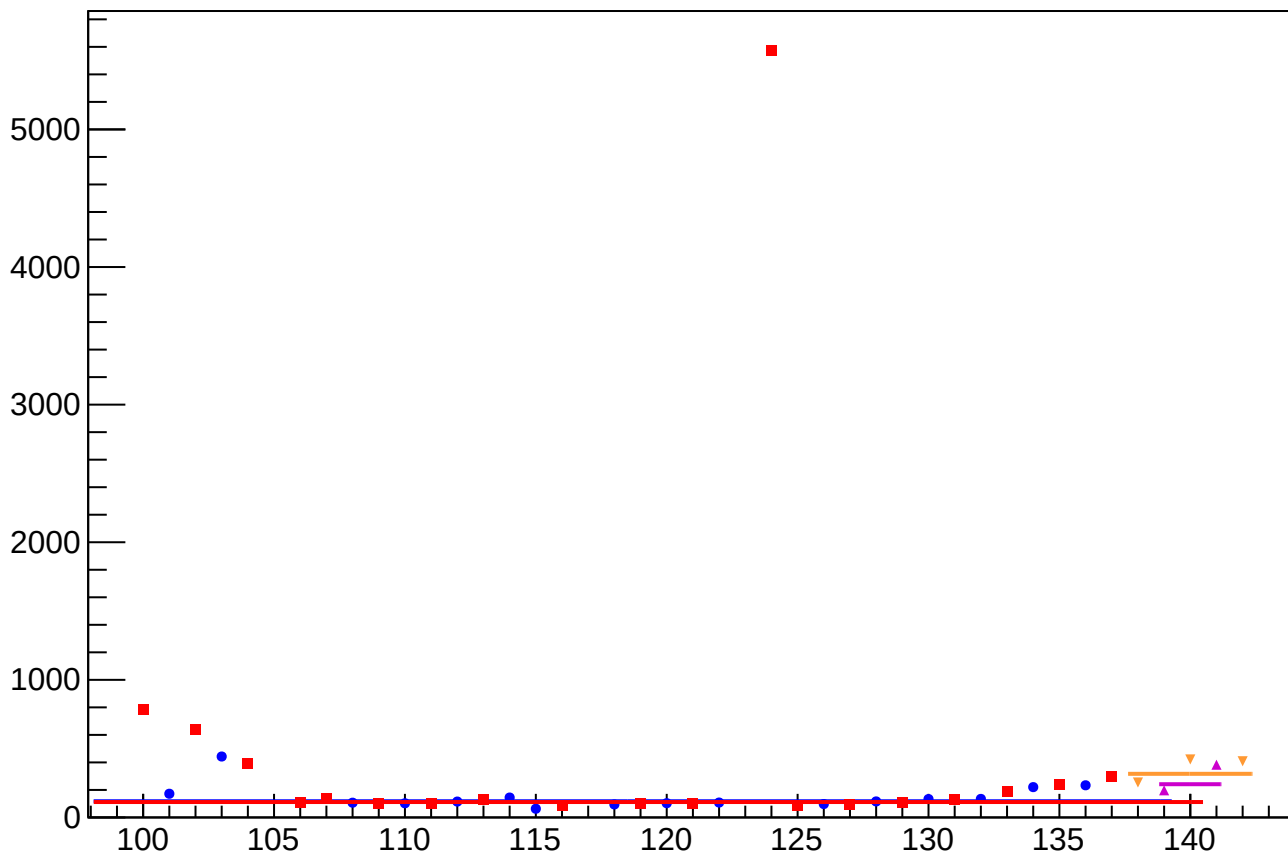
Left In: -0.352 $\pm$ 0.200 χ^2 /NDF: 4.4/1

+ sign -0.004 $\pm$ 0.047 χ^2 /NDF: 16.8/18

All: 0.001 $\pm$ 0.033 χ^2 /NDF: 46.6/39

- sign 0.006 $\pm$ 0.046 χ^2 /NDF: 29.8/20

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: 317.076 $\pm$ 0.163 χ^2 /NDF:236189.3/2

Right Out: 112.126 $\pm$ 0.033 χ^2 /NDF: 2186296.2/18

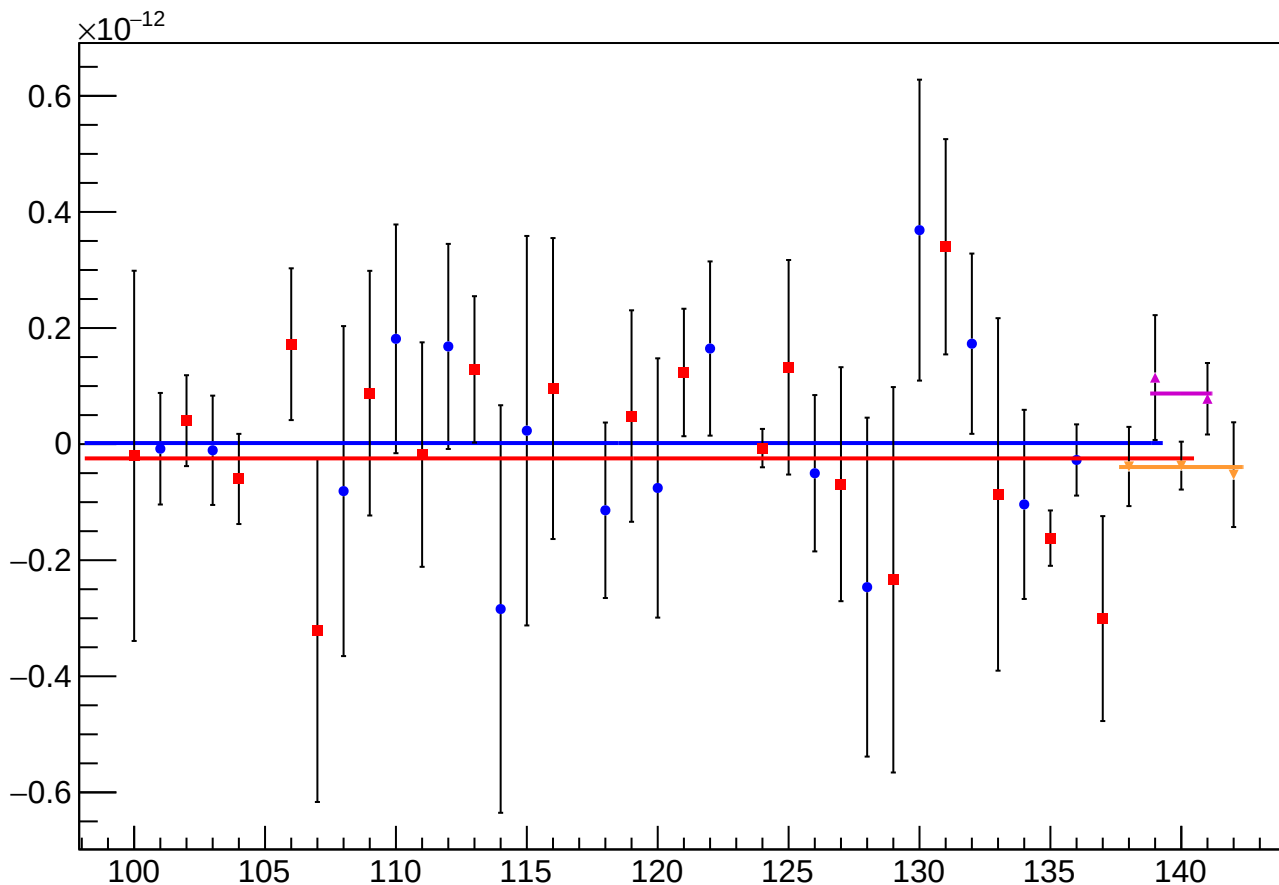
Left In: 241.592 $\pm$ 0.141 χ^2 /NDF:314410.6/1

+ sign 125.868 $\pm$ 0.033 χ^2 /NDF: 3387709.0/18

All: 122.274 $\pm$ 0.023 χ^2 /NDF: 6707626.1/39

- sign 118.874 $\pm$ 0.032 χ^2 /NDF: 3297054.5/20

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 : 0.0/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 24.2/18

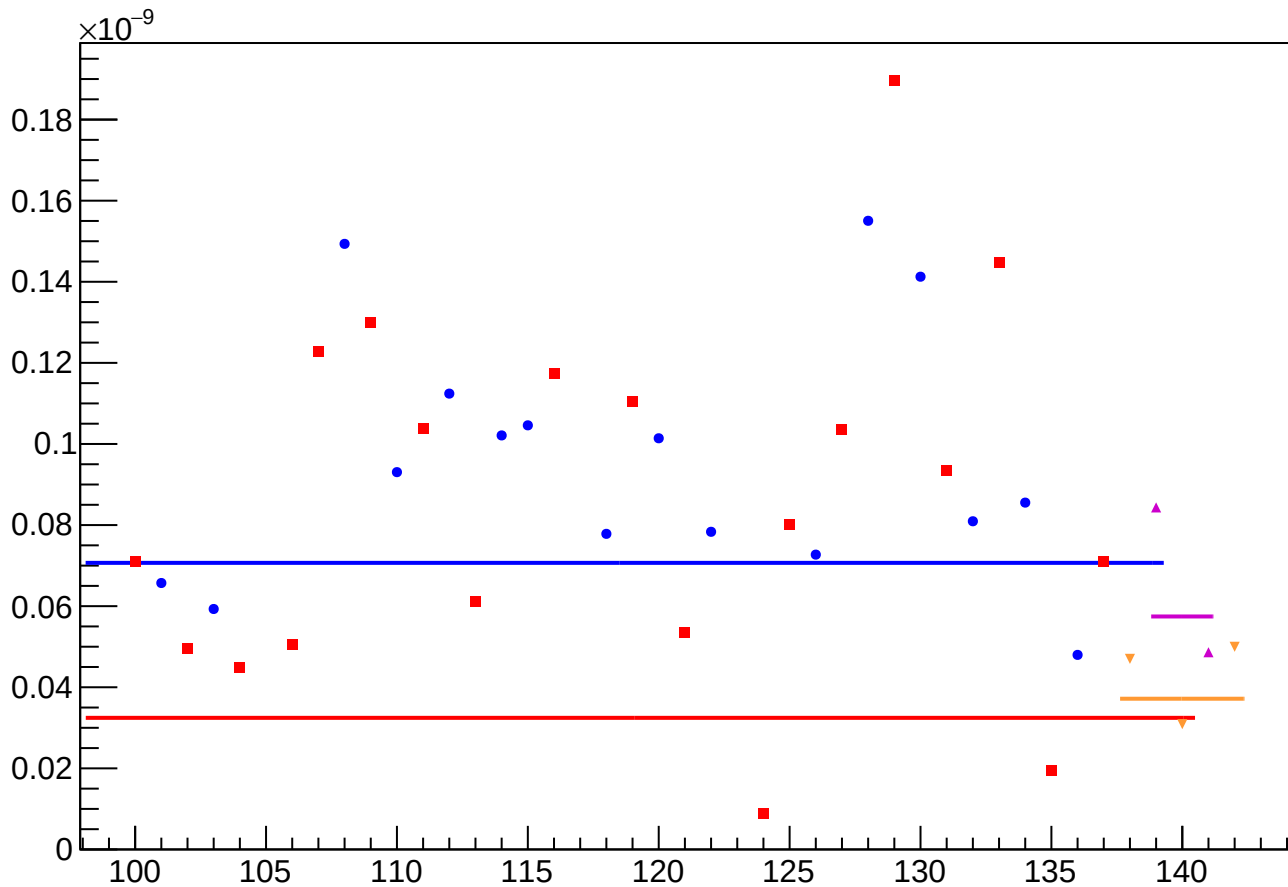
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 9.9/18

All: -0.000 ± 0.000 χ^2/NDF : 38.1/39

- sign -0.000 ± 0.000 χ^2/NDF : 28.1/20

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF :128027.6/2

Right Out: 0.000+/-0.000 χ^2/NDF : 4449161.8/18

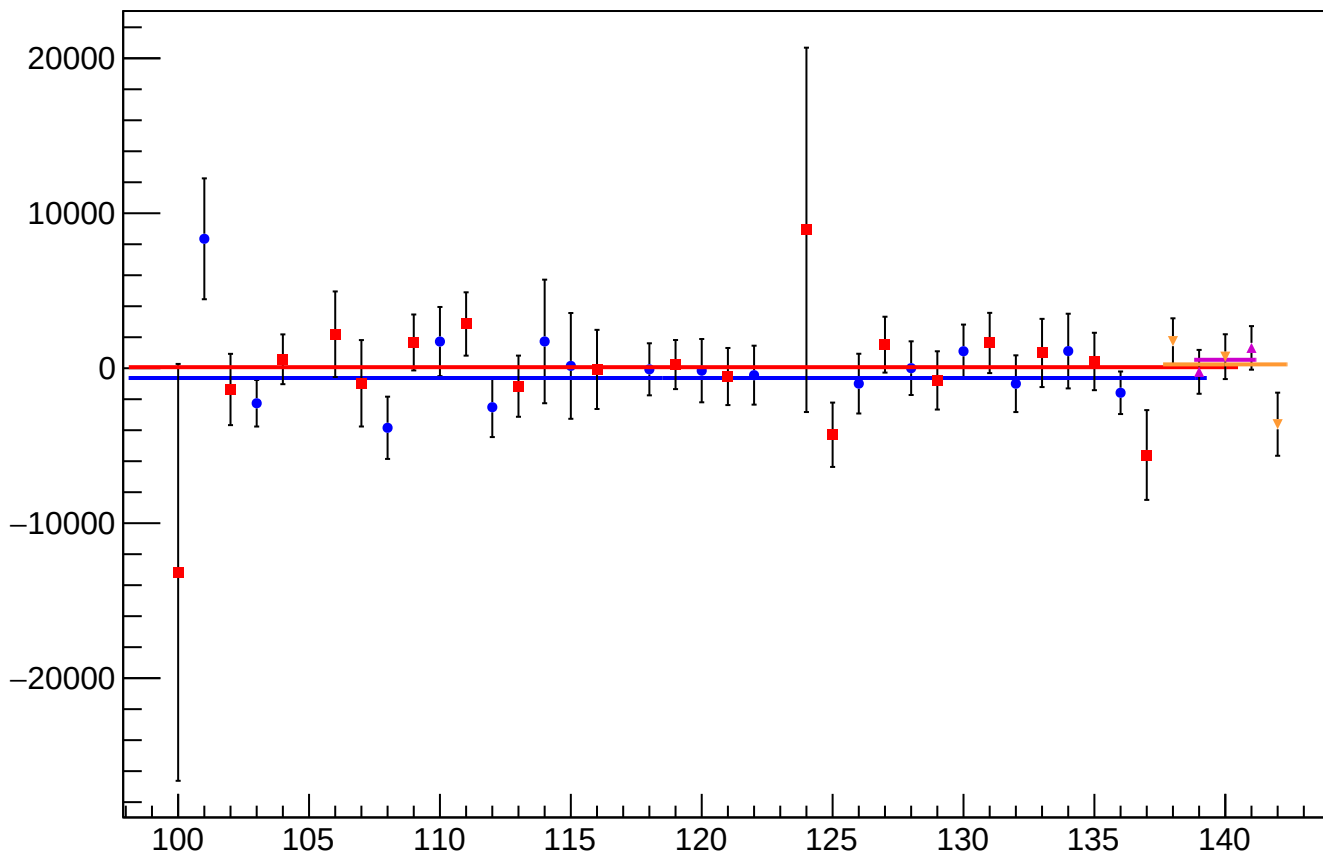
Left In: 0.000+/-0.000 χ^2/NDF :166158.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 2142080.0/18

All: 0.000+/-0.000 χ^2/NDF : 7743005.7/39

- sign 0.000+/-0.000 χ^2/NDF : 4991372.3/20

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF : 13.9/15

Left Out: 247.683+/-920.243 χ^2/NDF : 4.8/2

Right Out: 67.642+/-487.761 χ^2/NDF : 15.9/18

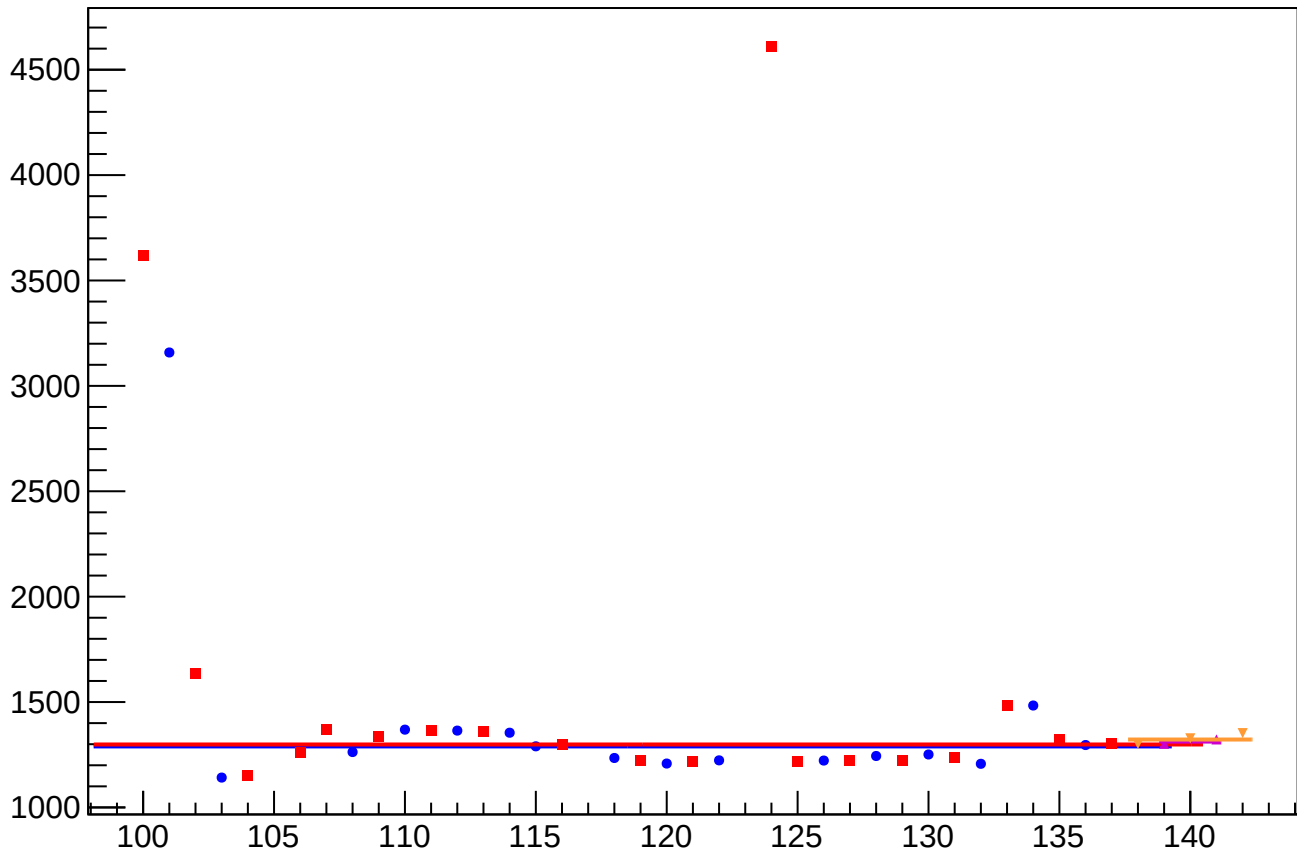
Left In: 544.636+/-997.379 χ^2/NDF : 0.6/1

+ sign -437.762+/-431.588 χ^2/NDF : 19.4/18

All: -143.550+/-307.479 χ^2/NDF : 37.0/39

- sign 159.704+/-438.170 χ^2/NDF : 16.7/20

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: 1322.159 $\pm$ 0.651 χ^2 /NDF:909.7/2

Right Out: 1298.656 $\pm$ 0.344 χ^2 /NDF: 319374.9/18

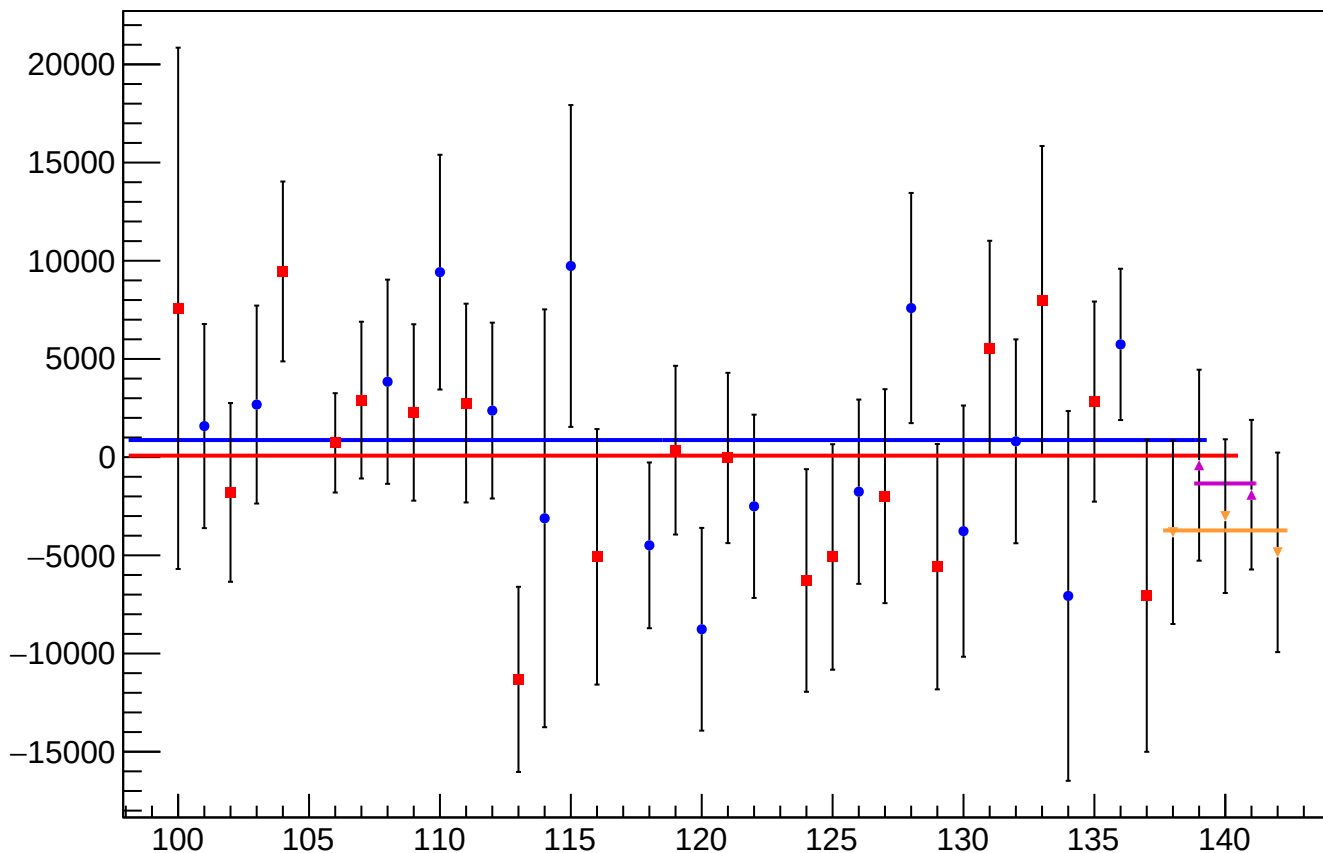
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF:216.7/1

+ sign 1296.657 $\pm$ 0.305 χ^2 /NDF: 517553.8/18

All: 1298.945 $\pm$ 0.217 χ^2 /NDF: 837565.4/39

- sign 1301.294 $\pm$ 0.309 χ^2 /NDF: 319897.7/20

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug



Right In: 870.295 ± 1325.278 χ^2/NDF : 14.0/15

Left Out: -3731.672 ± 2583.711 χ^2/NDF : 0.1/2

Right Out: 77.323 ± 1111.074 χ^2/NDF : 18.4/18

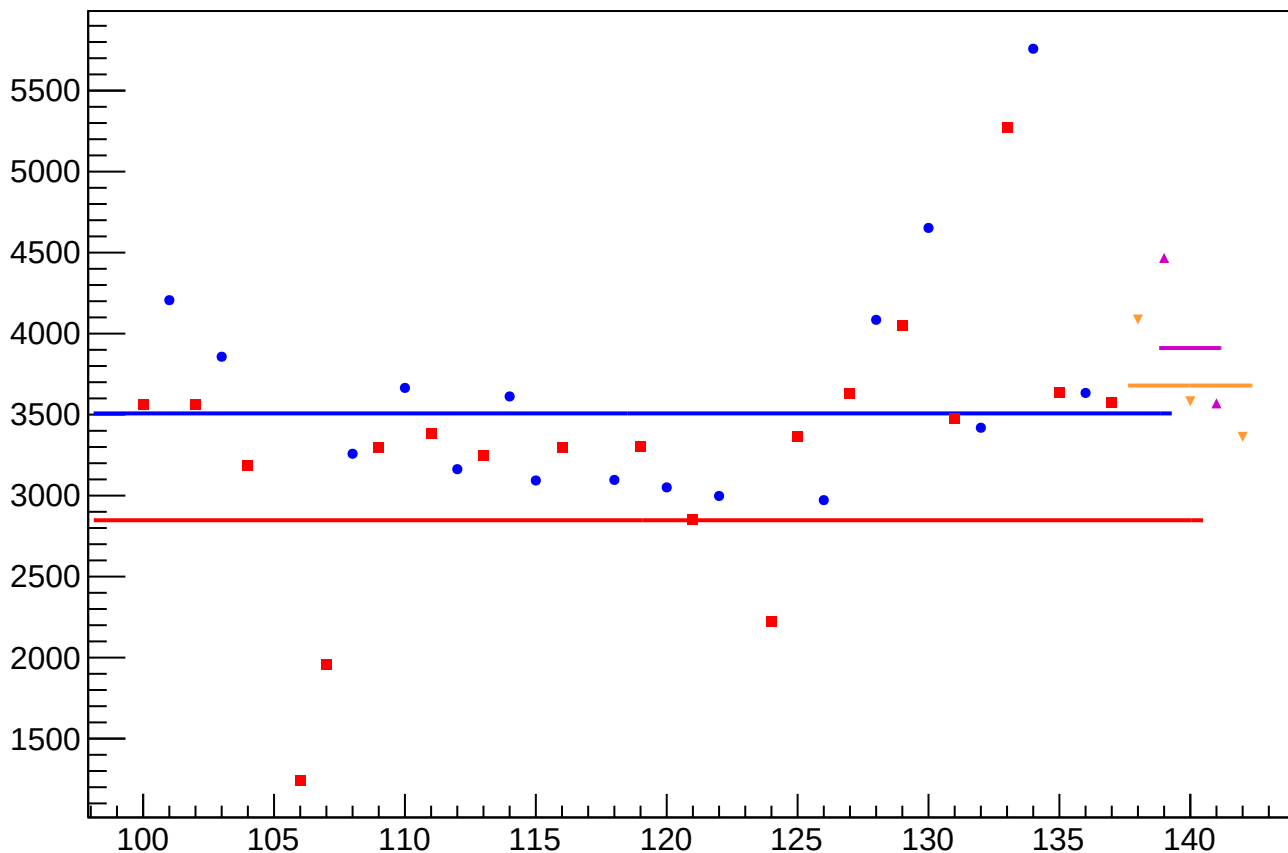
Left In: -1340.957 ± 2998.457 χ^2/NDF : 0.1/1

+ sign -88.291 ± 1179.200 χ^2/NDF : 16.6/18

All: -91.444 ± 780.765 χ^2/NDF : 35.3/39

- sign -93.905 ± 1041.848 χ^2/NDF : 18.6/20

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: 3679.410 $\pm$ 1.827 χ^2/NDF : 24220.0/2

Right Out: 2847.833 $\pm$ 0.786 χ^2/NDF : 1499373.6/18

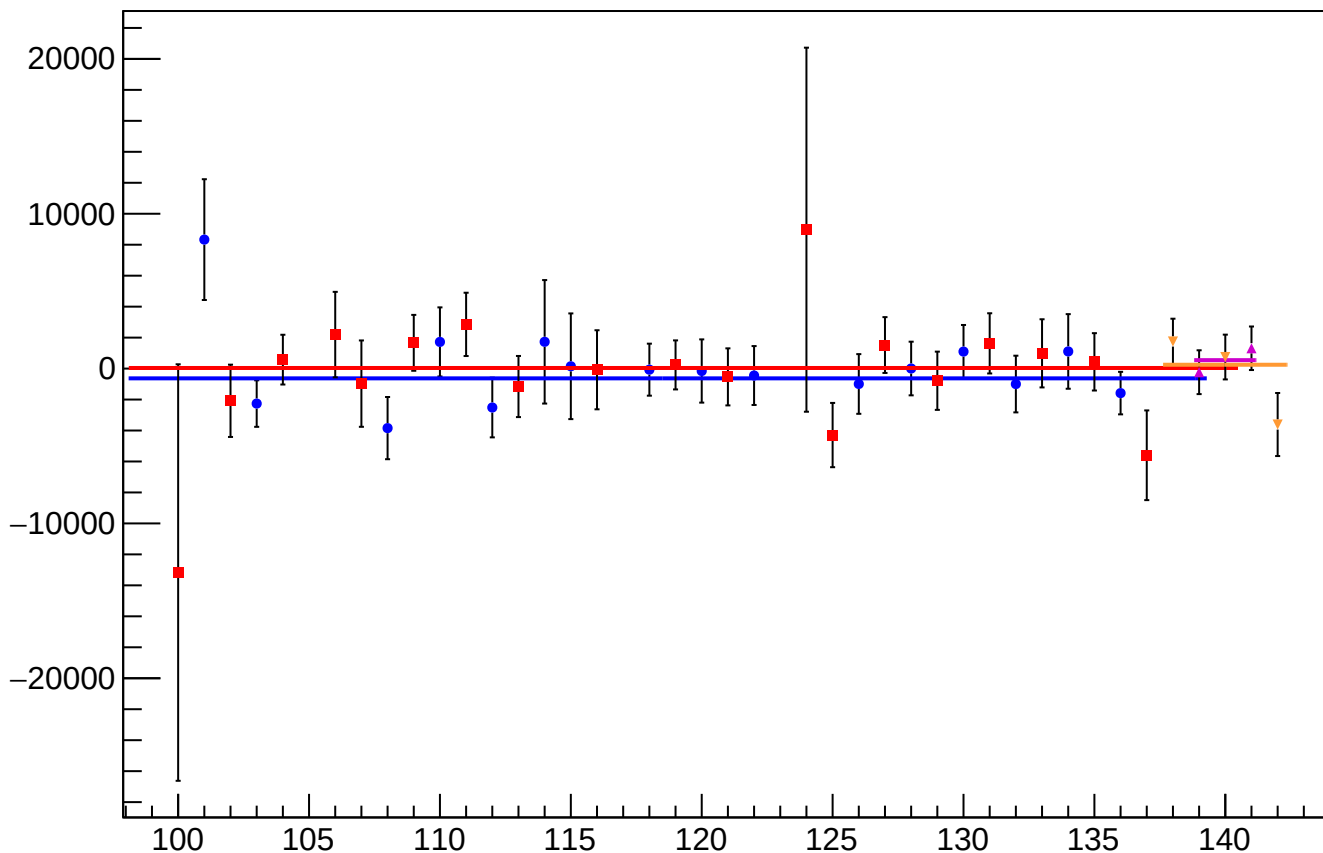
Left In: 3910.991 $\pm$ 2.120 χ^2/NDF : 42242.3/1

+ sign 3543.227 $\pm$ 0.834 χ^2/NDF : 385217.2/18

All: 3224.774 $\pm$ 0.552 χ^2/NDF : 2407639.6/39

- sign 2976.187 $\pm$ 0.737 χ^2/NDF : 1762697.4/20

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427 ± 488.663 χ^2/NDF : 13.9/15

Left Out: 247.692 ± 920.243 χ^2/NDF : 4.8/2

Right Out: 38.623 ± 488.084 χ^2/NDF : 16.3/18

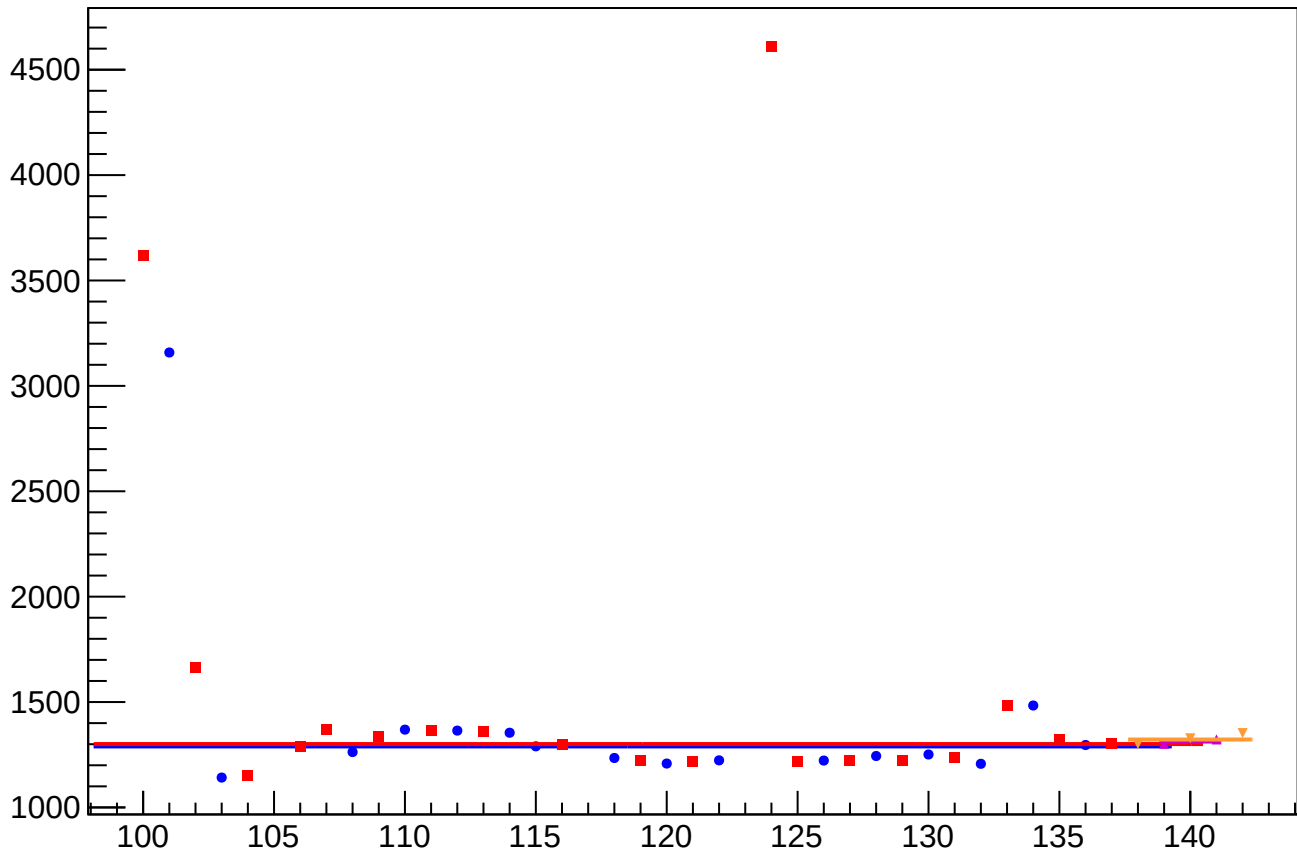
Left In: 544.413 ± 997.379 χ^2/NDF : 0.6/1

+ sign -438.060 ± 431.588 χ^2/NDF : 19.3/18

All: -155.357 ± 307.560 χ^2/NDF : 37.3/39

- sign 136.347 ± 438.404 χ^2/NDF : 17.1/20

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: 1322.159 $\pm$ 0.651 χ^2 /NDF:909.7/2

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

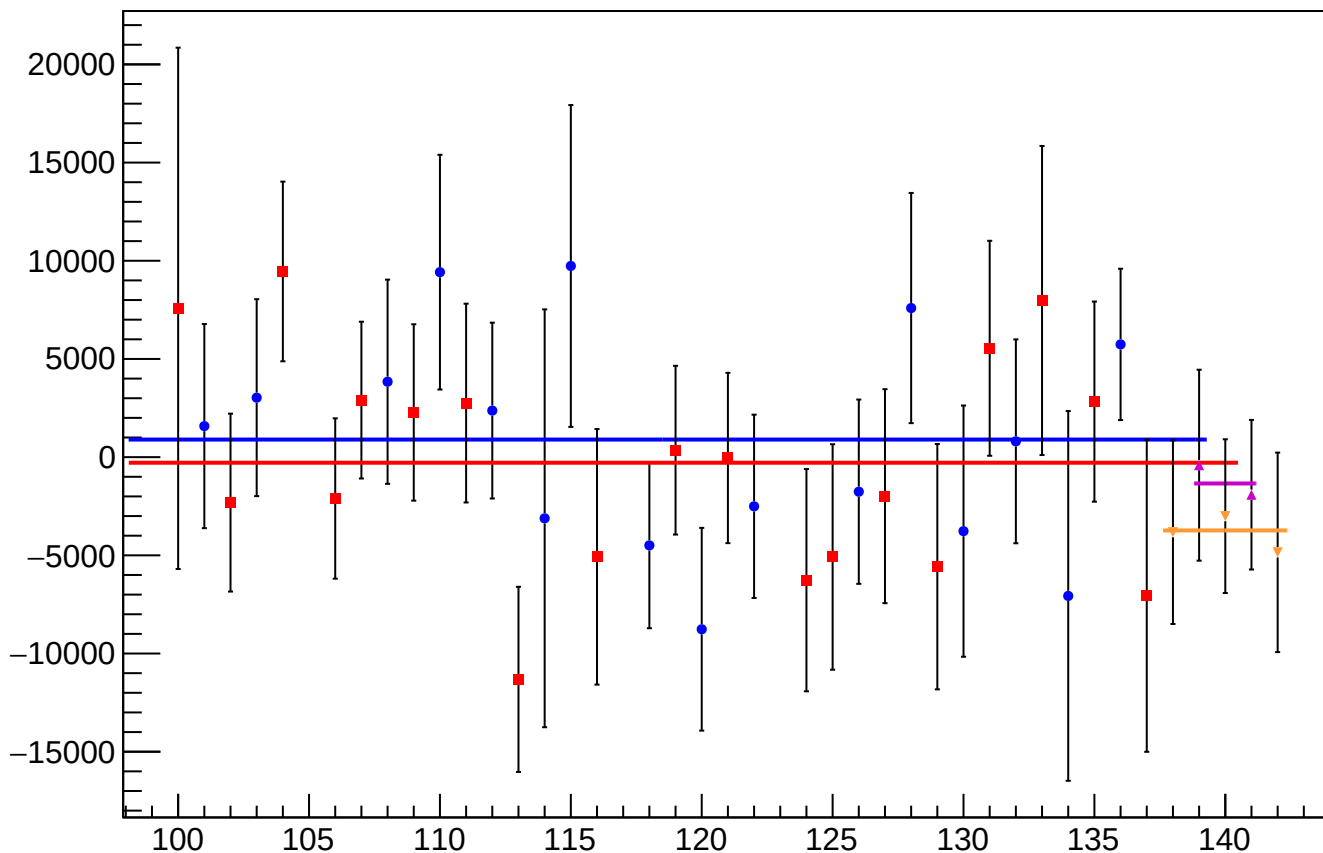
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF:216.7/1

+ sign 1296.657 $\pm$ 0.305 χ^2 /NDF: 517555.3/18

All: 1299.753 $\pm$ 0.217 χ^2 /NDF: 844110.6/39

- sign 1302.938 $\pm$ 0.310 χ^2 /NDF: 326346.6/20

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3731.705 ± 2583.709 $\chi^2/\text{NDF}: 0.1/2$

Right Out: -283.963 ± 1183.171 $\chi^2/\text{NDF}: 18.6/18$

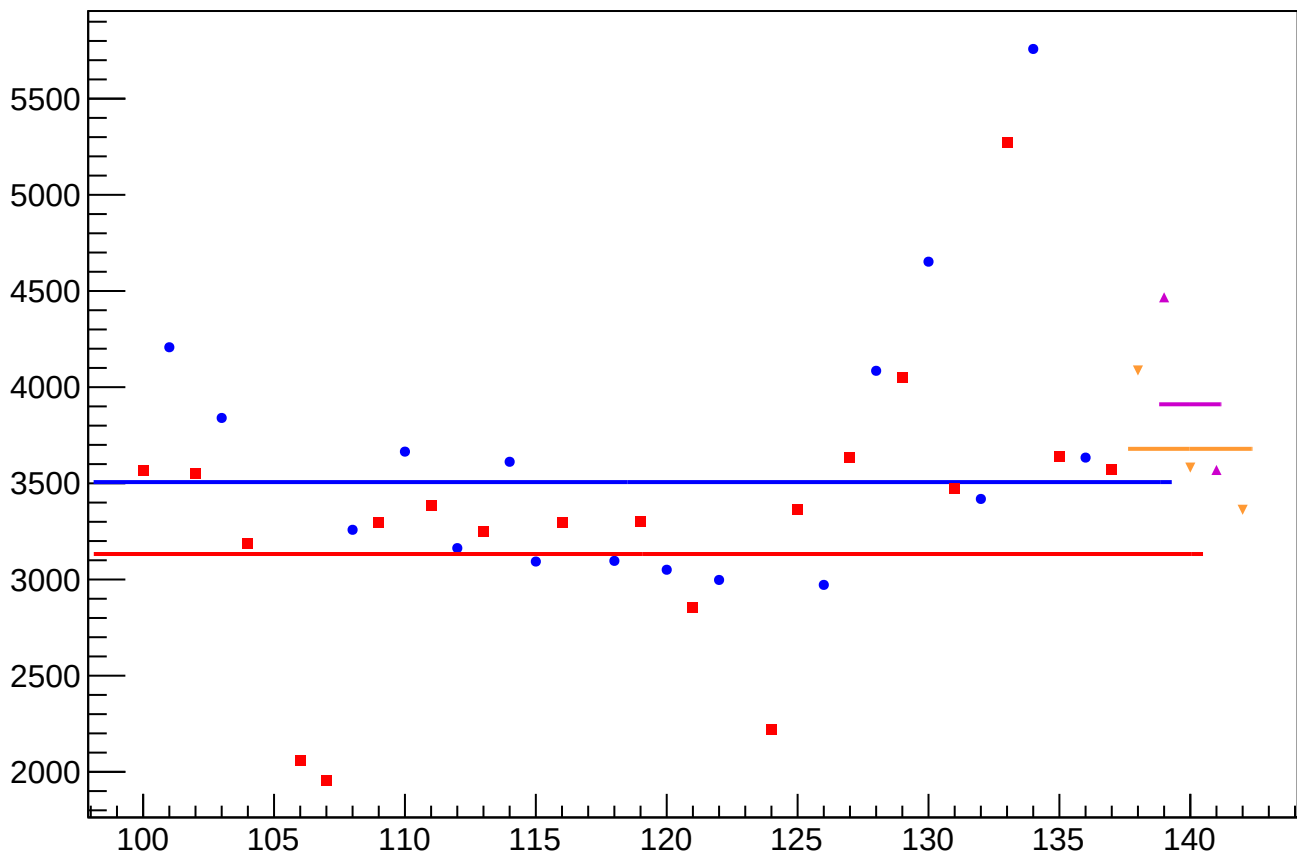
Left In: -1340.949 ± 2998.450 $\chi^2/\text{NDF}: 0.1/1$

+ sign -67.411 ± 1178.879 $\chi^2/\text{NDF}: 16.7/18$

All: -259.204 ± 804.488 $\chi^2/\text{NDF}: 35.5/39$

- sign -426.367 ± 1100.587 $\chi^2/\text{NDF}: 18.8/20$

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 3506.484 ± 0.937 χ^2/NDF : 353237.7/15

Left Out: 3132.586 ± 0.837 χ^2/NDF : 649611.1/18

Right Out: 3679.407 ± 1.827 χ^2/NDF : 24219.8/2

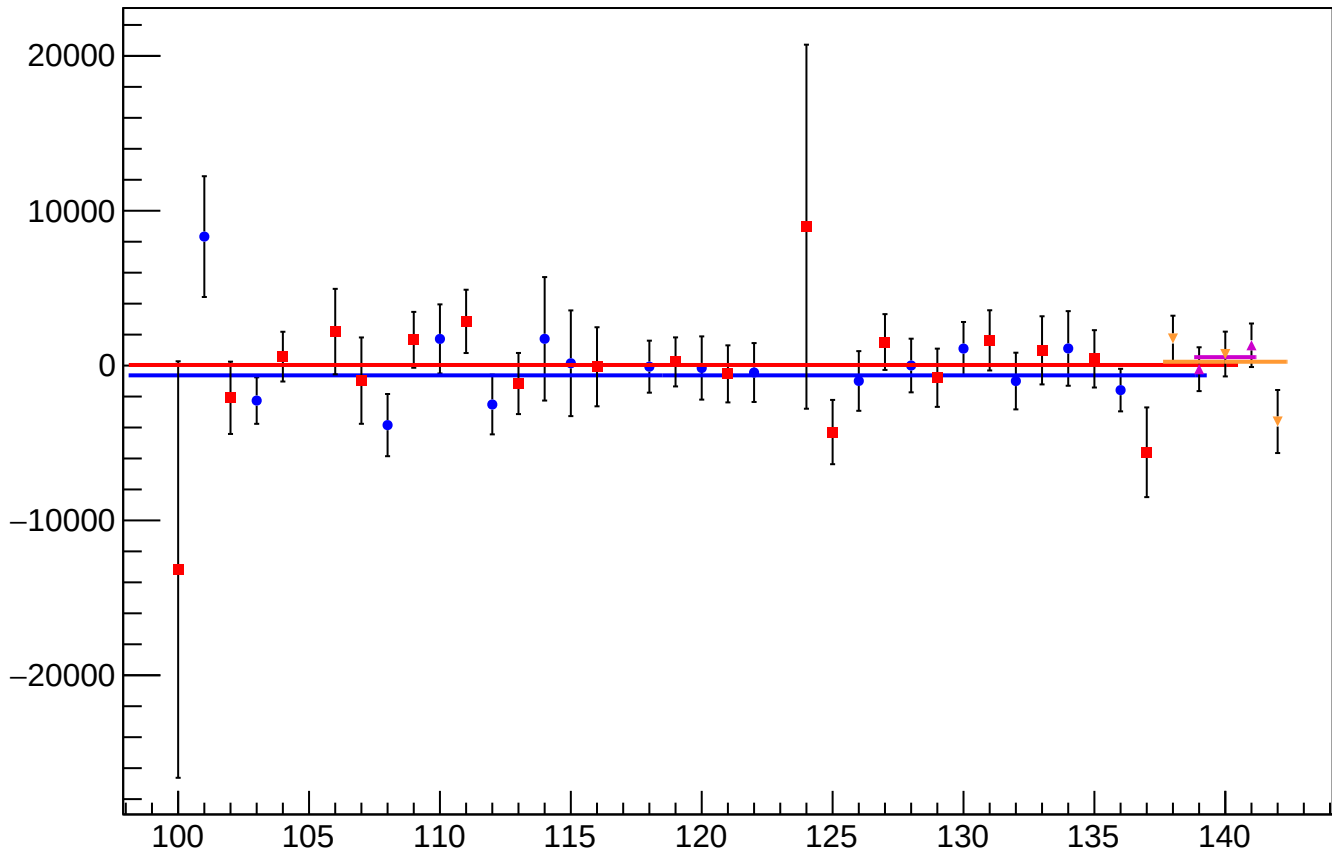
Left In: 3910.982 ± 2.120 χ^2/NDF : 42241.5/1

+ sign 3542.484 ± 0.834 χ^2/NDF : 384551.2/18

All: 3379.506 ± 0.569 χ^2/NDF : 1264569.9/39

- sign 3237.457 ± 0.778 χ^2/NDF : 808477.4/20

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: 247.692+/-920.243 χ^2/NDF : 4.8/2

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

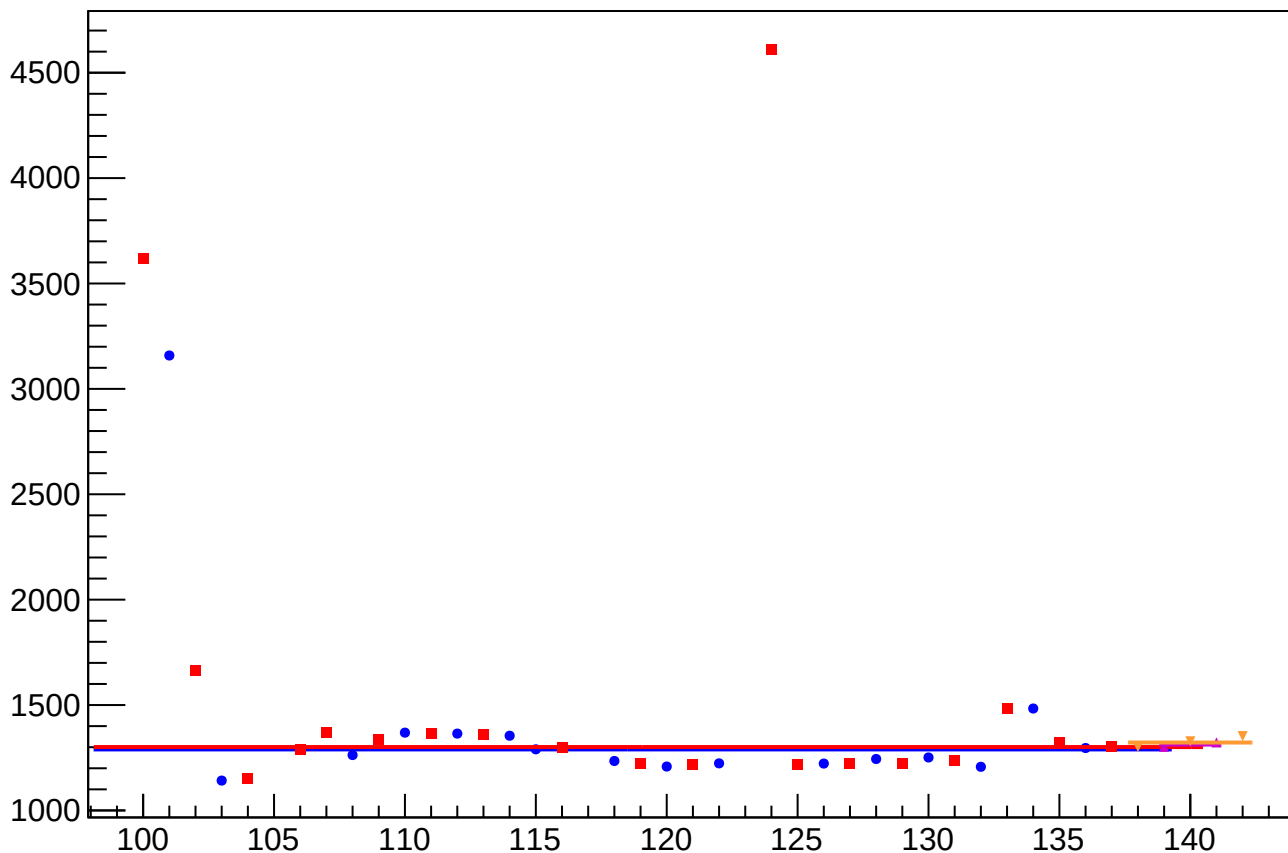
Left In: 544.413+/-997.379 χ^2/NDF : 0.6/1

+ sign -438.060+/-431.588 χ^2/NDF : 19.3/18

All: -155.357+/-307.560 χ^2/NDF : 37.3/39

- sign 136.347+/-438.404 χ^2/NDF : 17.1/20

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: 1322.159 $\pm$ 0.651 χ^2 /NDF:909.7/2

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

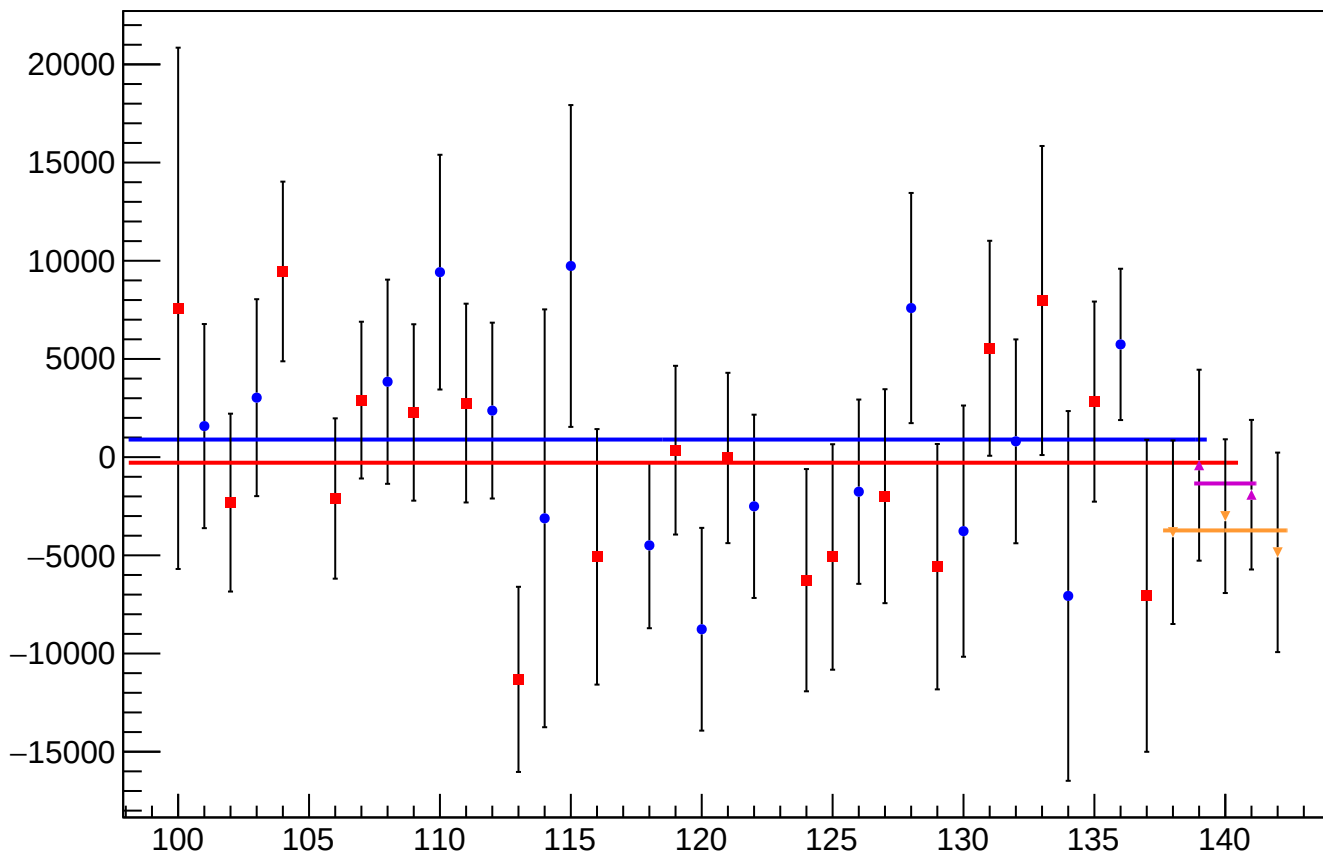
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF:216.7/1

+ sign 1296.657 $\pm$ 0.305 χ^2 /NDF: 517555.3/18

All: 1299.753 $\pm$ 0.217 χ^2 /NDF: 844110.6/39

- sign 1302.938 $\pm$ 0.310 χ^2 /NDF: 326346.6/20

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -3731.705 ± 2583.709 $\chi^2/\text{NDF}: 0.1/2$

Right Out: -283.963 ± 1183.171 $\chi^2/\text{NDF}: 18.6/18$

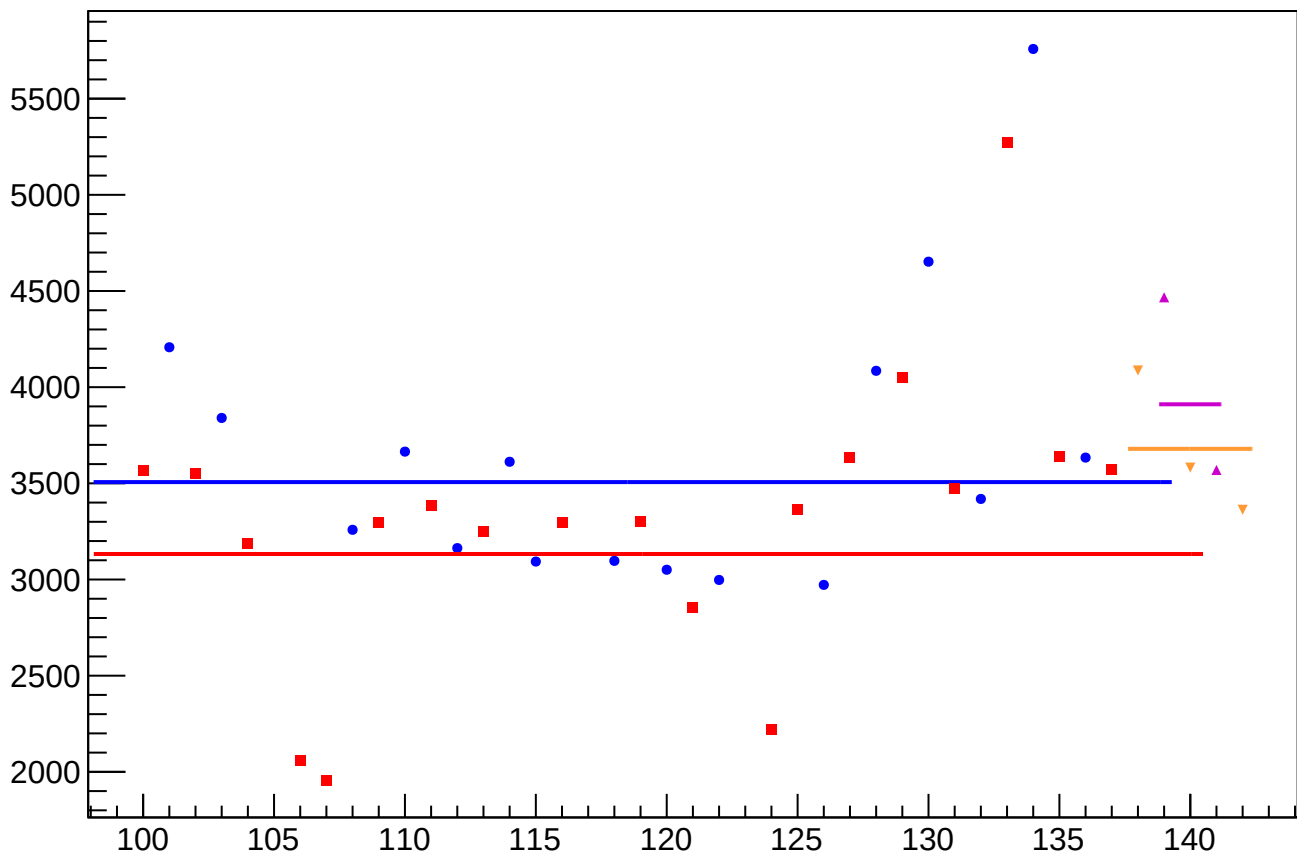
Left In: -1340.949 ± 2998.450 $\chi^2/\text{NDF}: 0.1/1$

+ sign -67.411 ± 1178.879 $\chi^2/\text{NDF}: 16.7/18$

All: -259.204 ± 804.488 $\chi^2/\text{NDF}: 35.5/39$

- sign -426.367 ± 1100.587 $\chi^2/\text{NDF}: 18.8/20$

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: 3679.407+/-1.827 χ^2/NDF : 24219.8/2

Right Out: 3132.586+/-0.837 χ^2/NDF : 649611.1/18

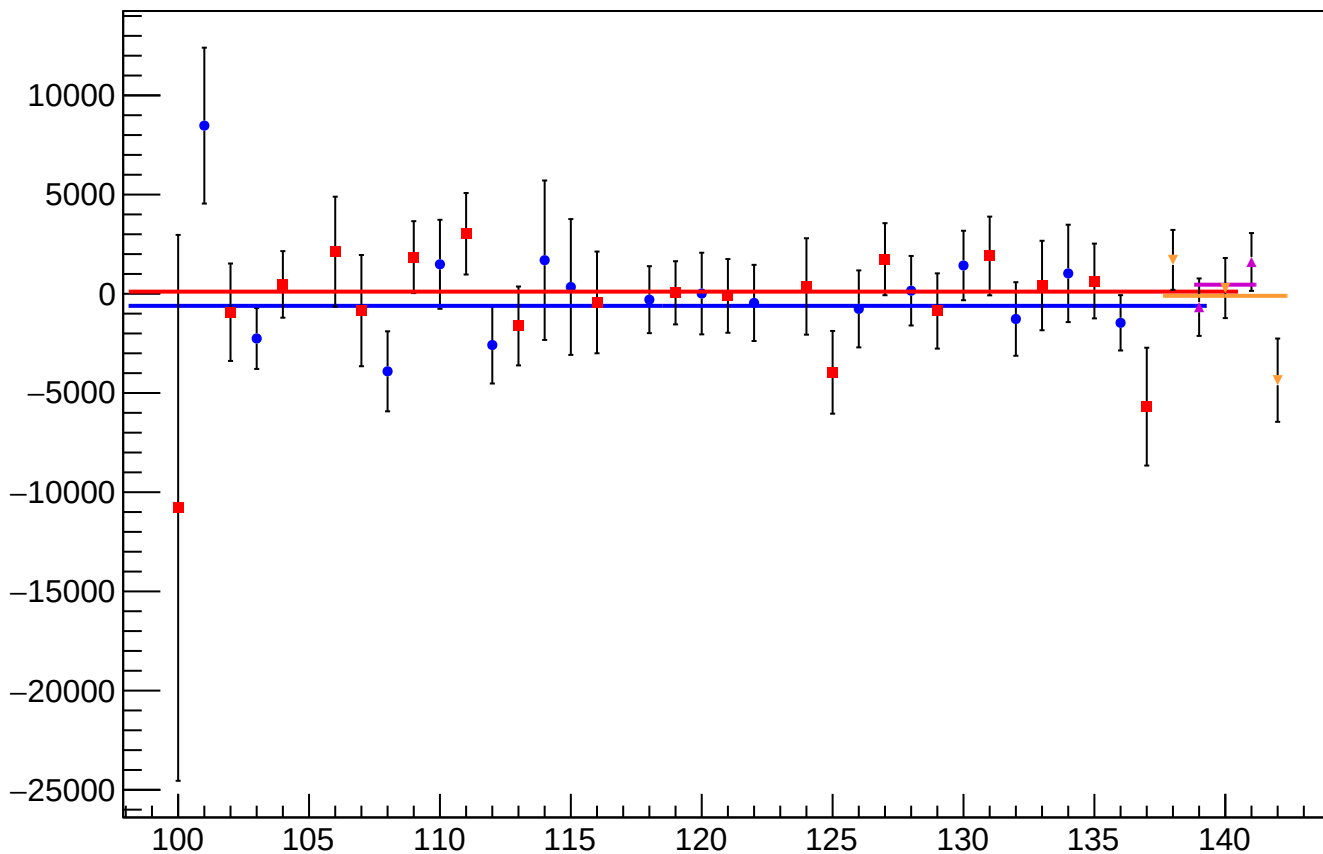
Left In: 3910.982+/-2.120 χ^2/NDF : 42241.5/1

+ sign 3542.484+/-0.834 χ^2/NDF : 384551.2/18

All: 3379.506+/-0.569 χ^2/NDF : 1264569.9/39

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831 ± 494.182 χ^2/NDF : 14.1/15

Left Out: -102.420 ± 952.859 χ^2/NDF : 5.6/2

Right Out: 108.614 ± 485.552 χ^2/NDF : 14.9/18

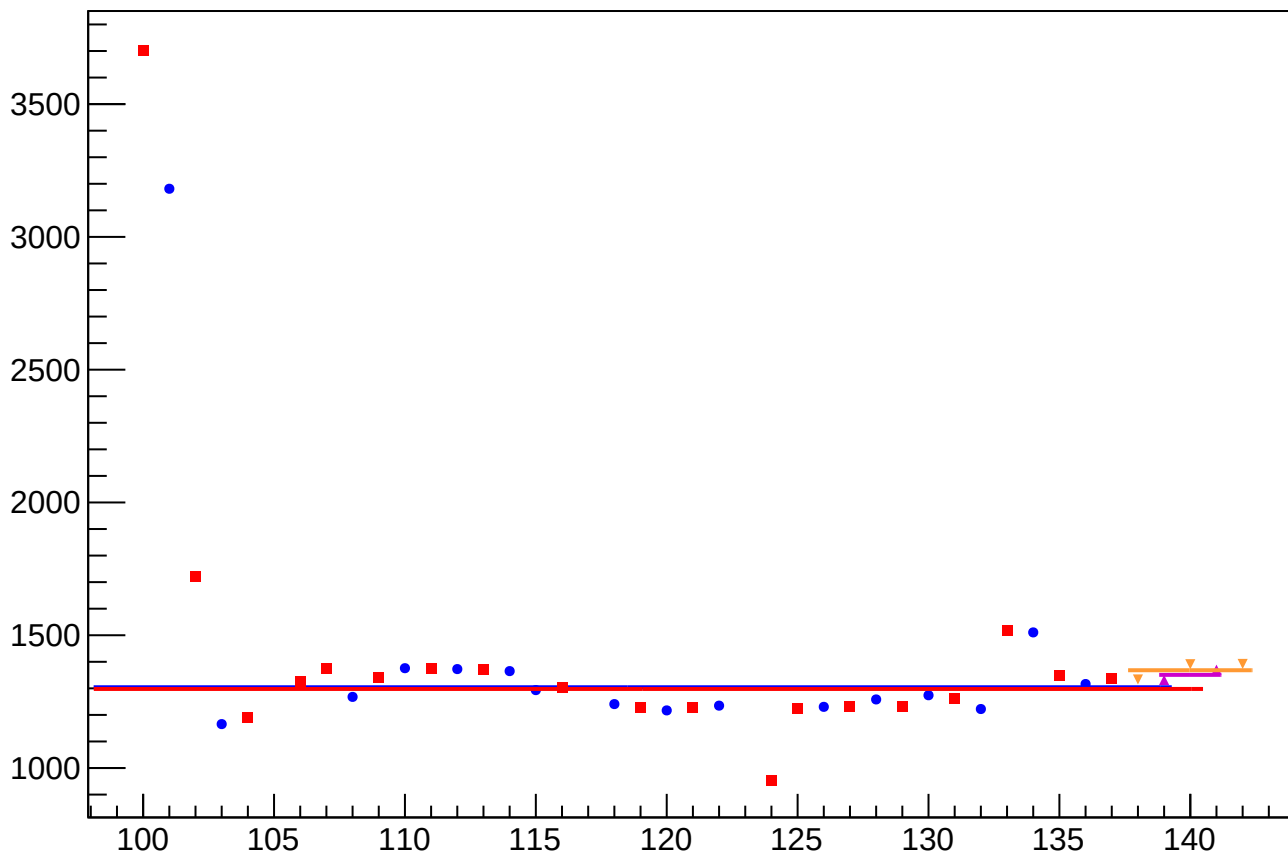
Left In: 458.128 ± 1026.913 χ^2/NDF : 1.2/1

+ sign -500.702 ± 438.692 χ^2/NDF : 19.9/18

All: -164.317 ± 310.296 χ^2/NDF : 37.3/39

- sign 172.476 ± 438.958 χ^2/NDF : 16.2/20

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: 1368.240 $\pm$ 0.674 χ^2 /NDF: 1763.2/2

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

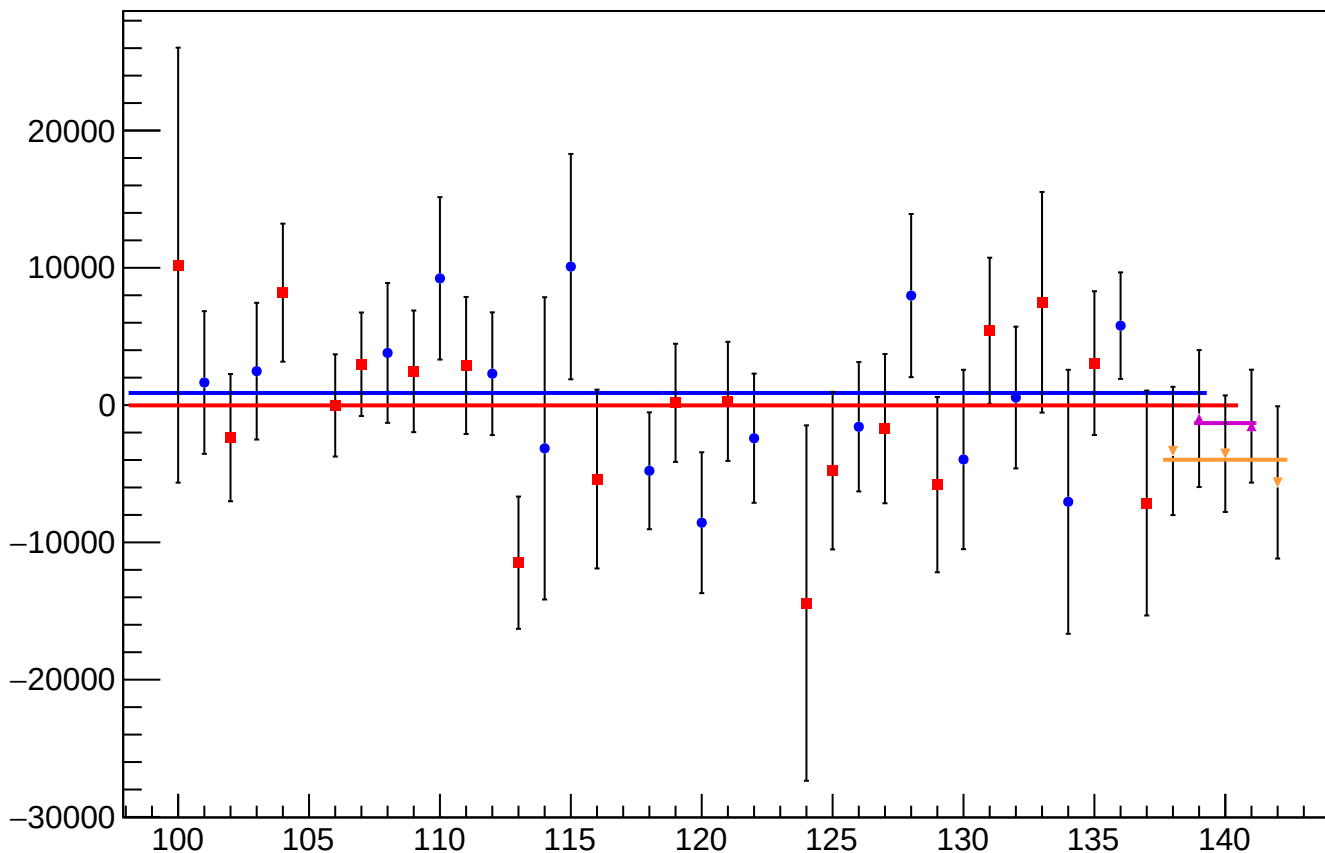
Left In: 1350.869 $\pm$ 0.726 χ^2 /NDF: 712.8/1

+ sign 1317.697 $\pm$ 0.310 χ^2 /NDF: 519493.4/18

All: 1312.589 $\pm$ 0.219 χ^2 /NDF: 738212.6/39

- sign 1307.482 $\pm$ 0.310 χ^2 /NDF: 218177.0/20

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: -3978.491 $\pm$ 2733.713 χ^2 /NDF: 0.1/2

Right Out: -20.681 $\pm$ 1200.015 χ^2 /NDF: 16.8/18

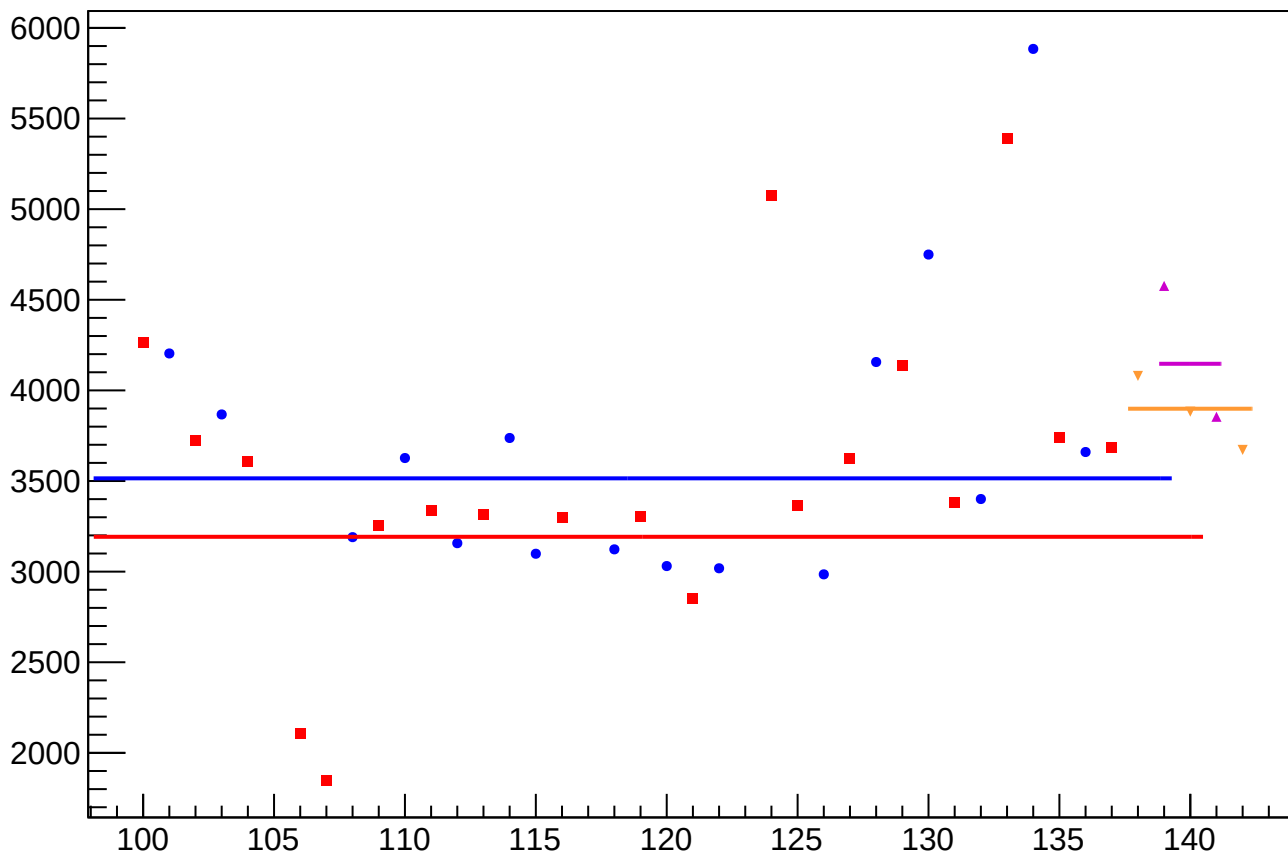
Left In: -1309.261 $\pm$ 3173.459 χ^2 /NDF: 0.0/1

+ sign -43.672 $\pm$ 1194.076 χ^2 /NDF: 16.8/18

All: -117.048 $\pm$ 817.840 χ^2 /NDF: 33.8/39

- sign -181.885 $\pm$ 1122.446 χ^2 /NDF: 17.0/20

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: 3898.865 $\pm$ 1.933 χ^2 /NDF: 6386.5/2

Right Out: 3192.203 $\pm$ 0.849 χ^2 /NDF: 772495.7/18

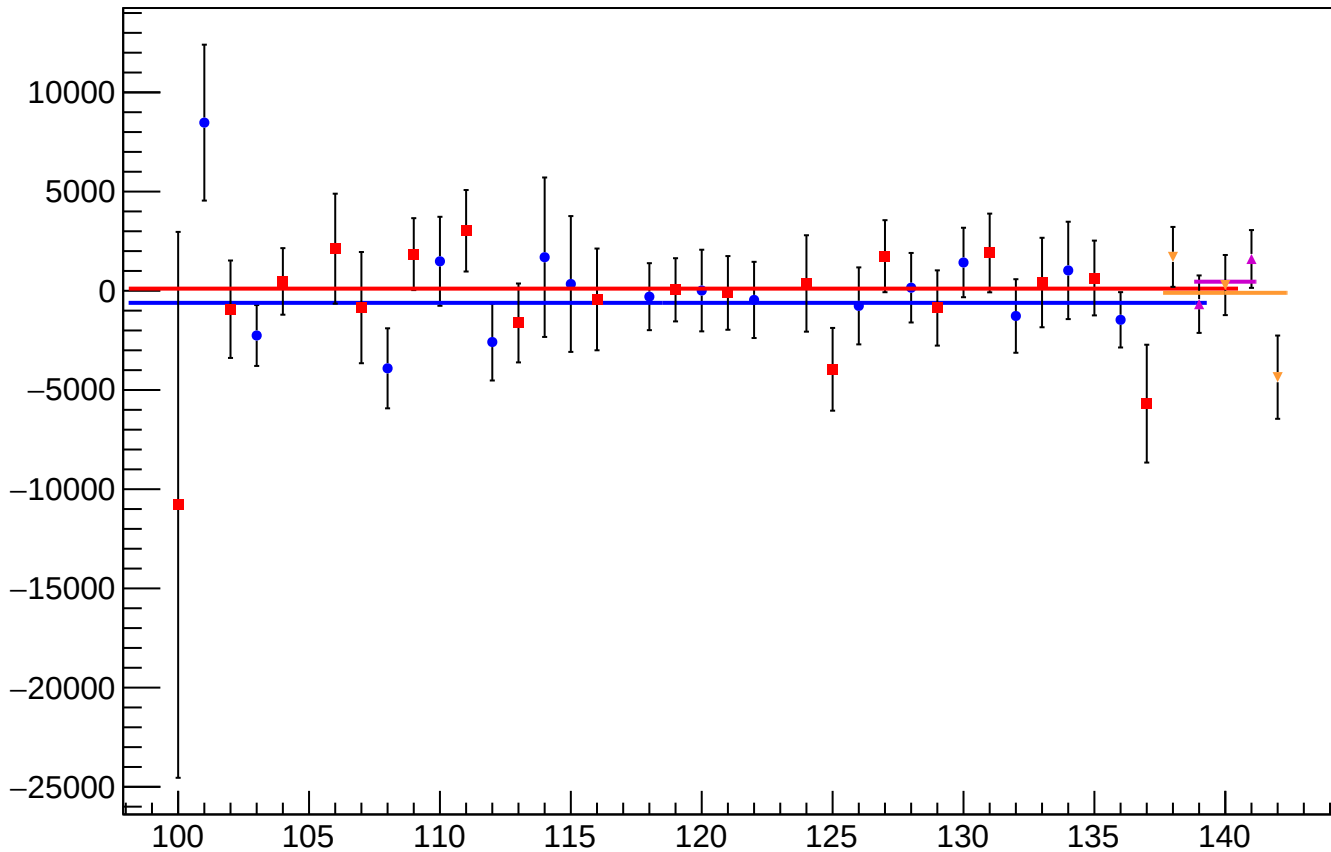
Left In: 4146.801 $\pm$ 2.244 χ^2 /NDF: 24941.6/1

+ sign 3588.032 $\pm$ 0.844 χ^2 /NDF: 413418.5/18

All: 3441.290 $\pm$ 0.578 χ^2 /NDF: 1426079.6/39

- sign 3311.626 $\pm$ 0.794 χ^2 /NDF: 955766.8/20

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: -102.431+/-952.859 χ^2/NDF : 5.6/2

Right Out: 108.619+/-485.553 χ^2/NDF : 14.9/18

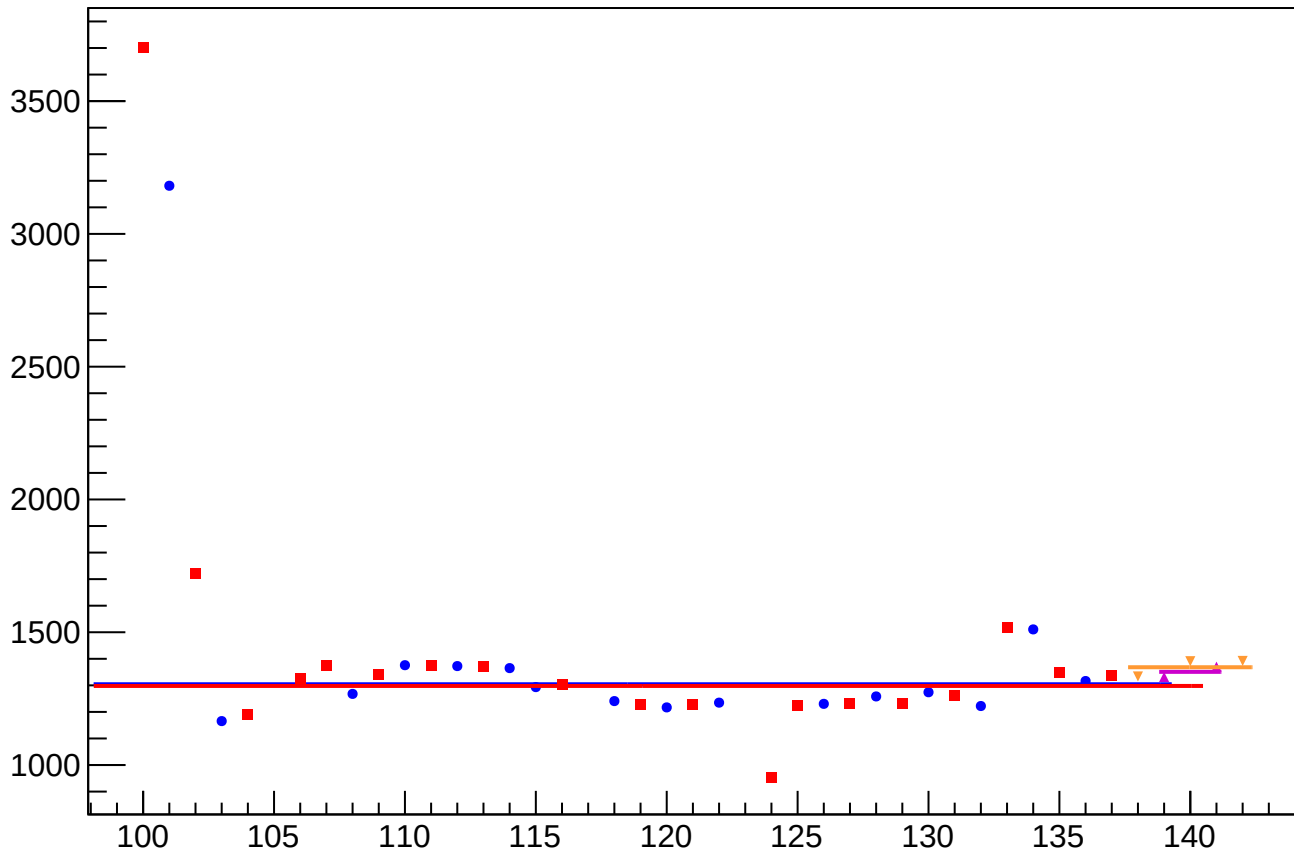
Left In: 458.120+/-1026.914 χ^2/NDF : 1.2/1

+ sign -500.707+/-438.692 χ^2/NDF : 19.9/18

All: -164.318+/-310.296 χ^2/NDF : 37.3/39

- sign 172.479+/-438.958 χ^2/NDF : 16.2/20

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: 1368.241 $\pm$ 0.674 χ^2 /NDF:1763.2/2

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213097.0/18

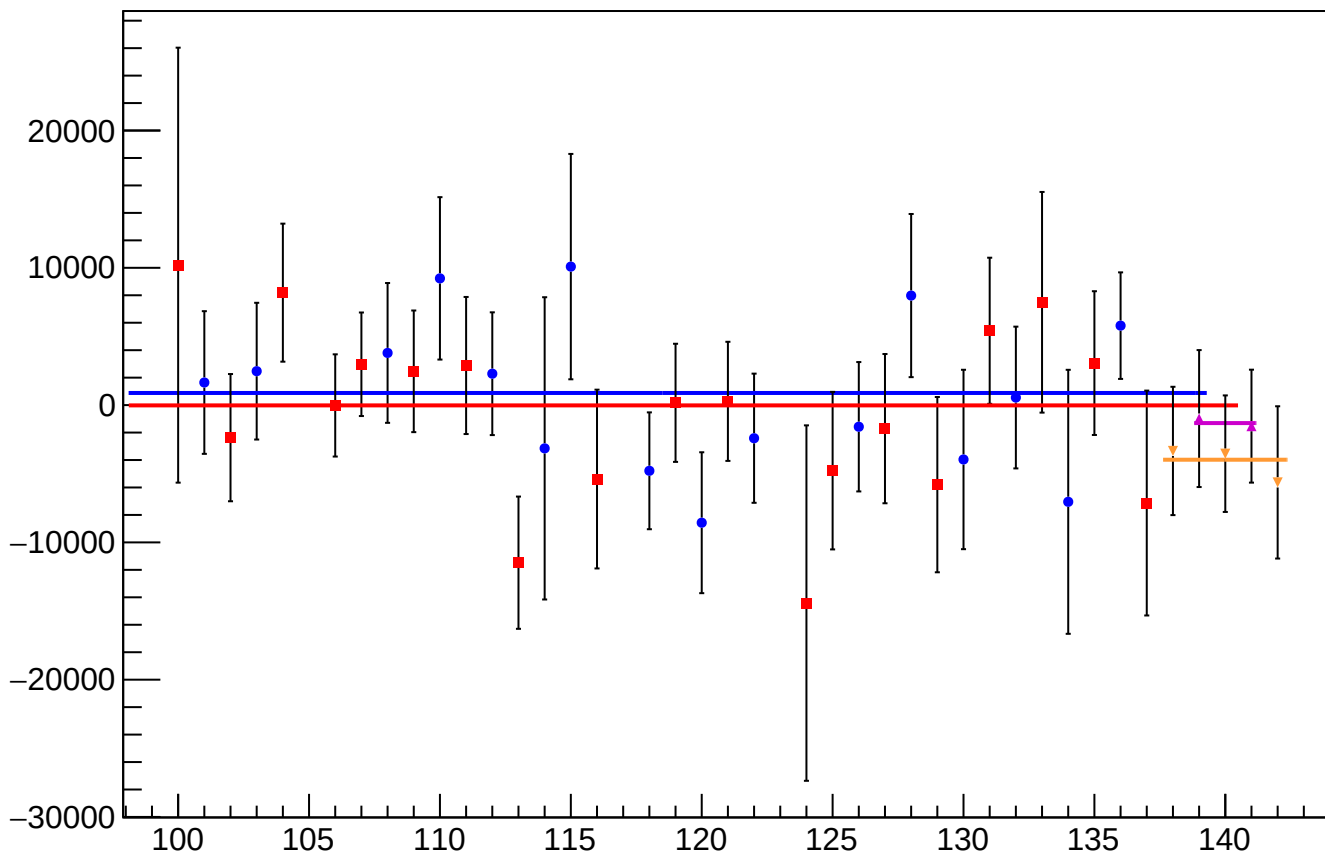
Left In: 1350.870 $\pm$ 0.726 χ^2 /NDF:712.8/1

+ sign 1317.697 $\pm$ 0.310 χ^2 /NDF: 519493.7/18

All: 1312.590 $\pm$ 0.219 χ^2 /NDF: 738213.1/39

- sign 1307.482 $\pm$ 0.310 χ^2 /NDF: 218177.1/20

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: -3978.505 $\pm$ 2733.718 χ^2 /NDF: 0.1/2

Right Out: -20.677 $\pm$ 1200.012 χ^2 /NDF: 16.8/18

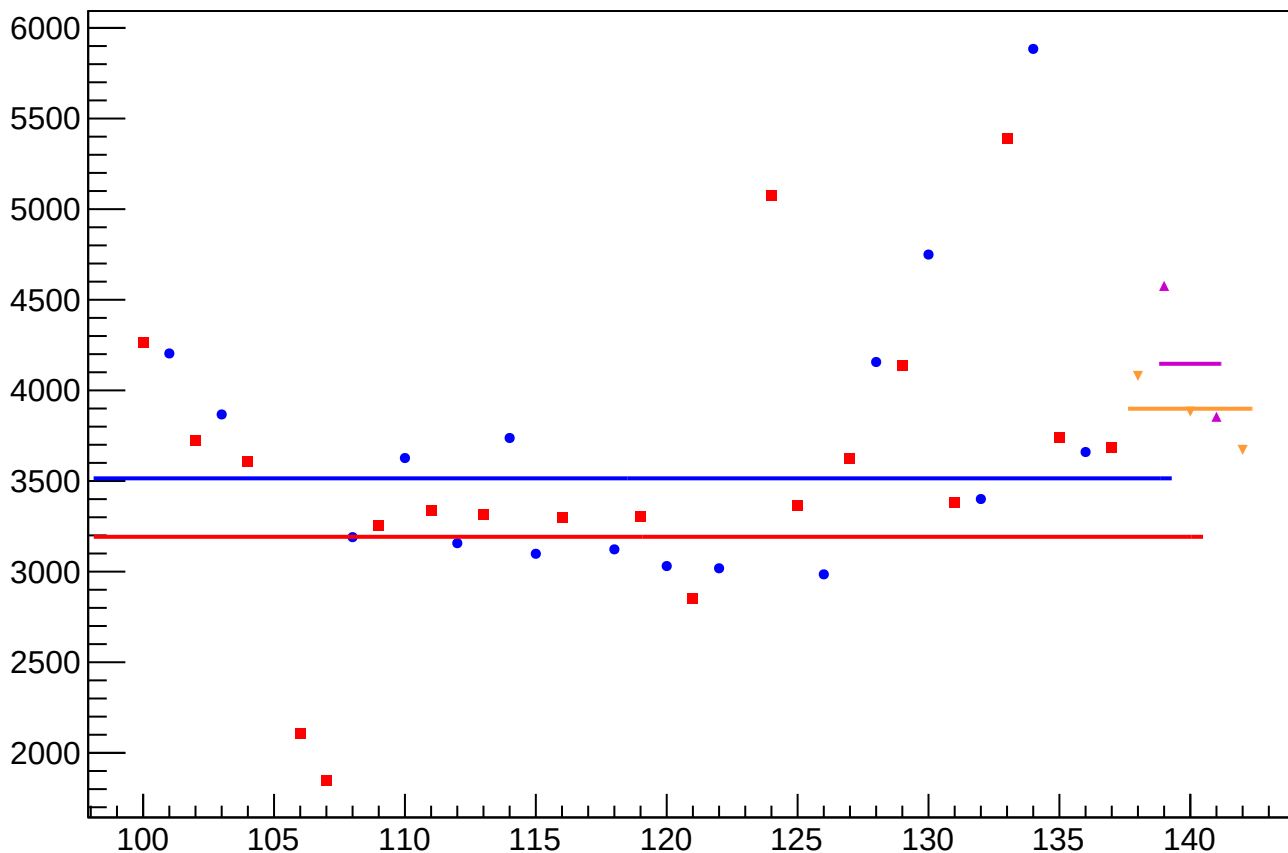
Left In: -1309.271 $\pm$ 3173.463 χ^2 /NDF: 0.0/1

+ sign -43.677 $\pm$ 1194.074 χ^2 /NDF: 16.8/18

All: -117.049 $\pm$ 817.838 χ^2 /NDF: 33.8/39

- sign -181.882 $\pm$ 1122.443 χ^2 /NDF: 17.0/20

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 3514.737+/-0.939 χ^2/NDF : 375082.8/15

Left Out: 3898.871+/-1.933 χ^2/NDF : 6386.6/2

Right Out: 3192.196+/-0.849 χ^2/NDF : 772497.9/18

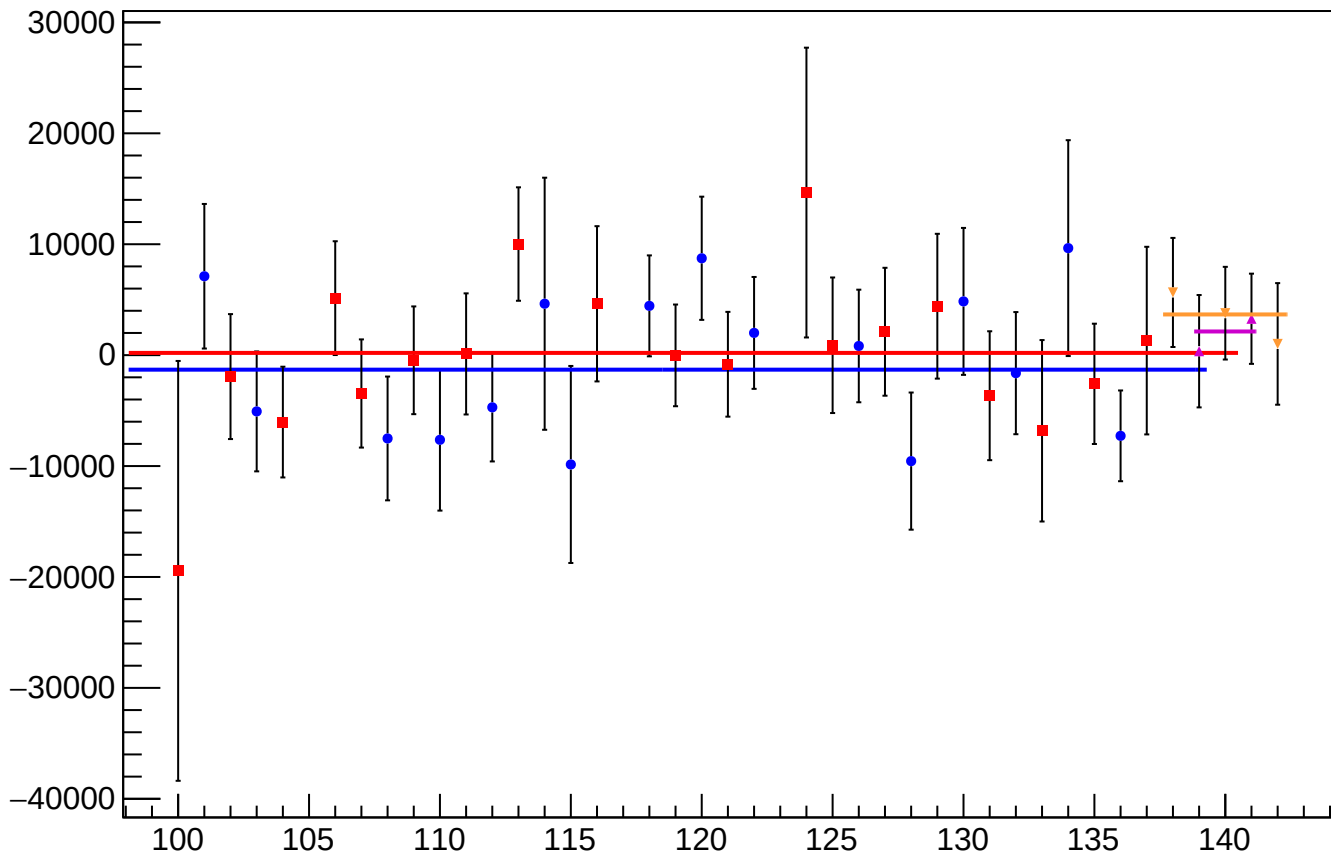
Left In: 4146.807+/-2.244 χ^2/NDF : 24942.3/1

+ sign 3588.026+/-0.844 χ^2/NDF : 413425.3/18

All: 3441.283+/-0.578 χ^2/NDF : 1426094.0/39

- sign 3311.619+/-0.794 χ^2/NDF : 955774.0/20

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF : 17.6/15

Left Out: 3669.705+/-2753.396 χ^2/NDF : 0.4/2

Right Out: 201.593+/-1336.062 χ^2/NDF : 11.6/18

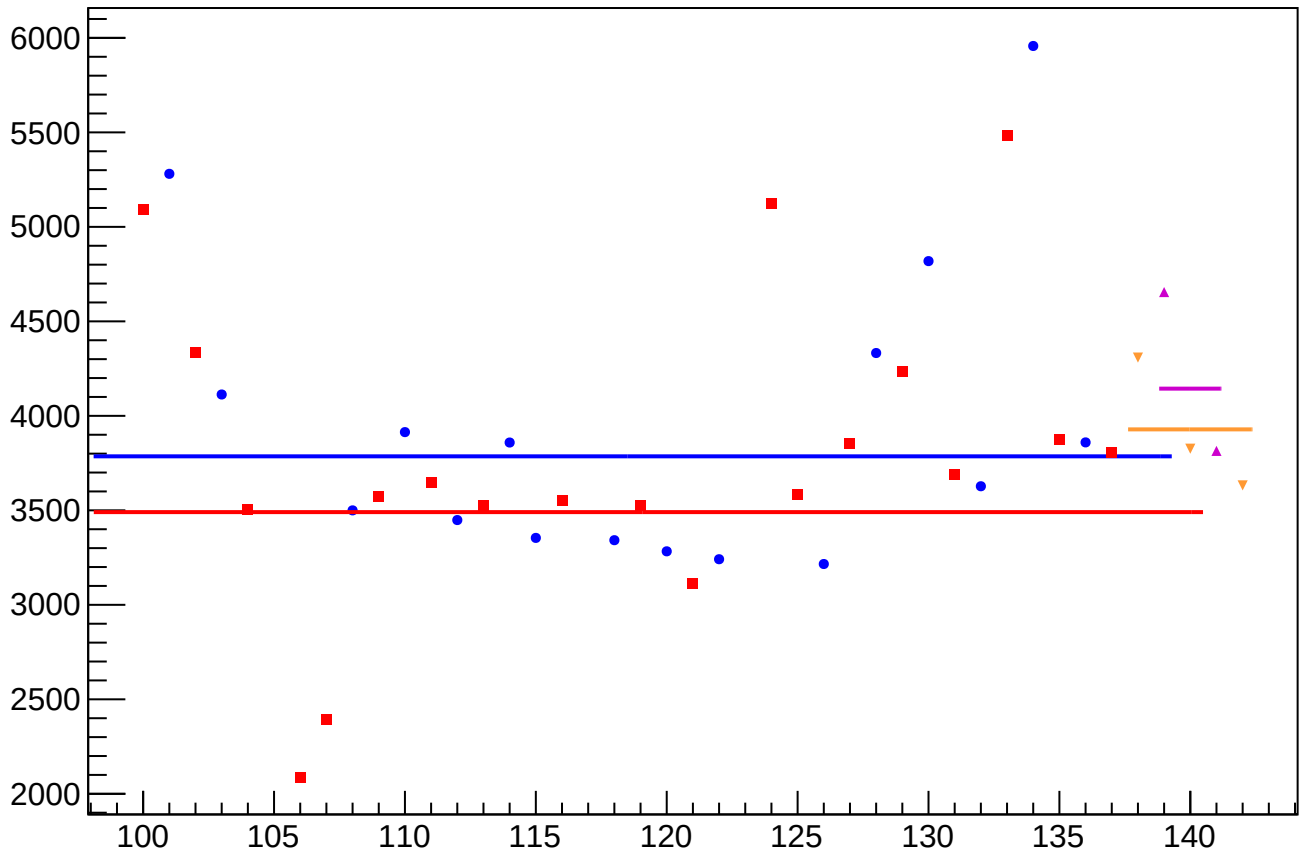
Left In: 2133.541+/-3171.289 χ^2/NDF : 0.2/1

+ sign -249.741+/-1270.188 χ^2/NDF : 20.5/18

All: 133.090+/-884.072 χ^2/NDF : 32.9/39

- sign 492.812+/-1231.253 χ^2/NDF : 12.2/20

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 3928.391+/-1.947 χ^2/NDF : 18979.5/2

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

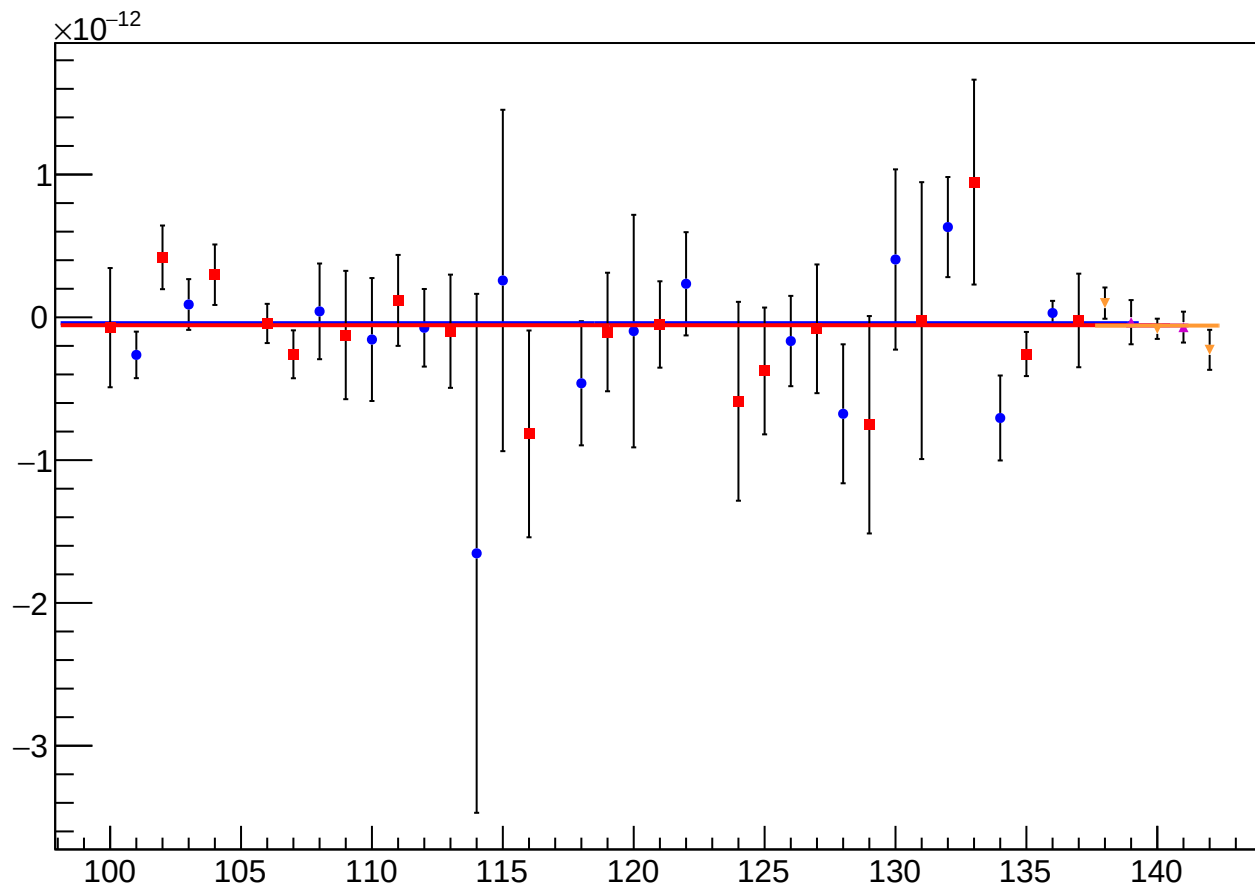
Left In: 4143.971+/-2.242 χ^2/NDF : 33477.9/1

+ sign 3816.124+/-0.898 χ^2/NDF : 406196.3/18

All: 3696.570+/-0.621 χ^2/NDF : 1132762.7/39

- sign 3586.825+/-0.861 χ^2/NDF : 692583.1/20

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 : 3.6/2

Right Out: -0.000+/-0.000 χ^2/NDF : 15.9/18

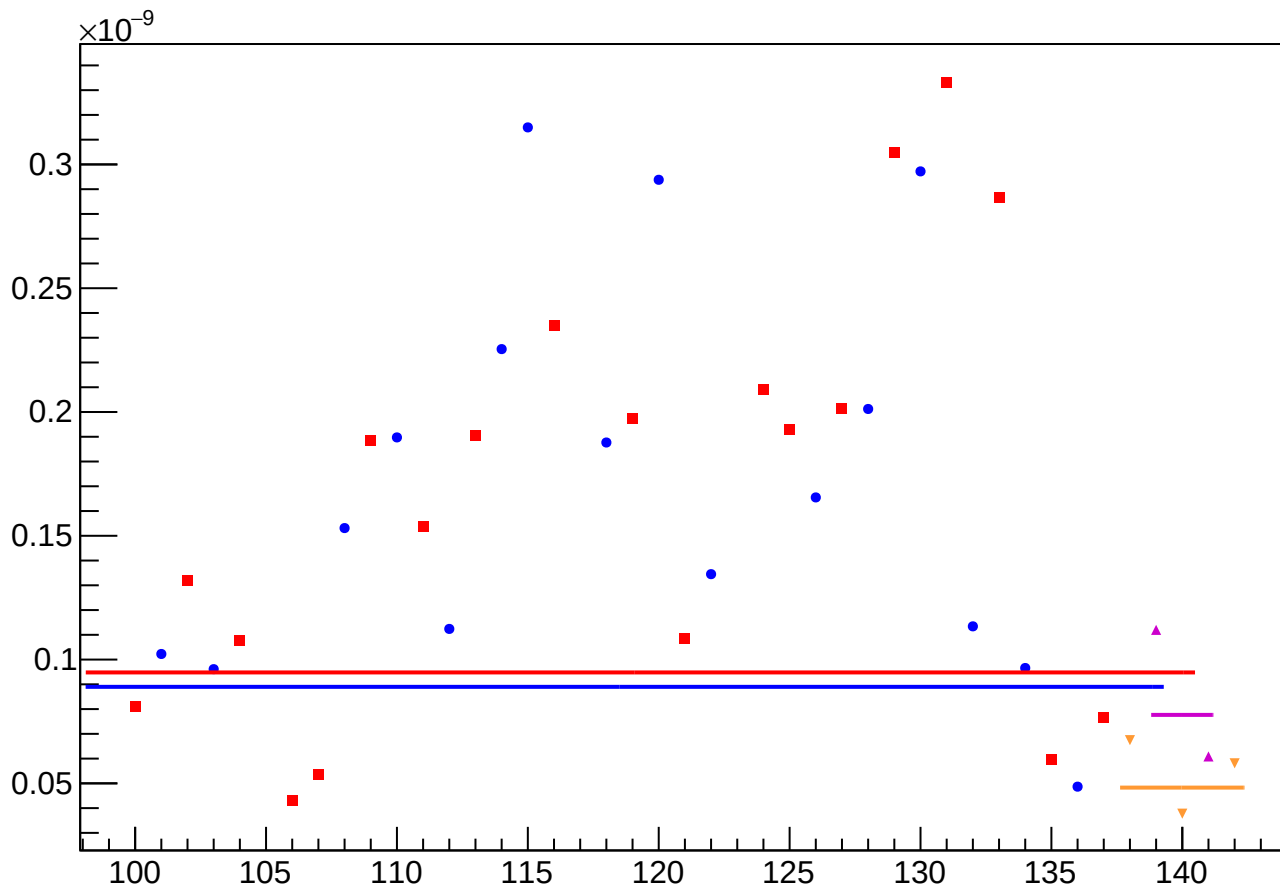
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 20.3/18

All: -0.000+/-0.000 χ^2/NDF : 36.2/39

- sign -0.000+/-0.000 χ^2/NDF : 15.9/20

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 :115302.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1734601.4/18

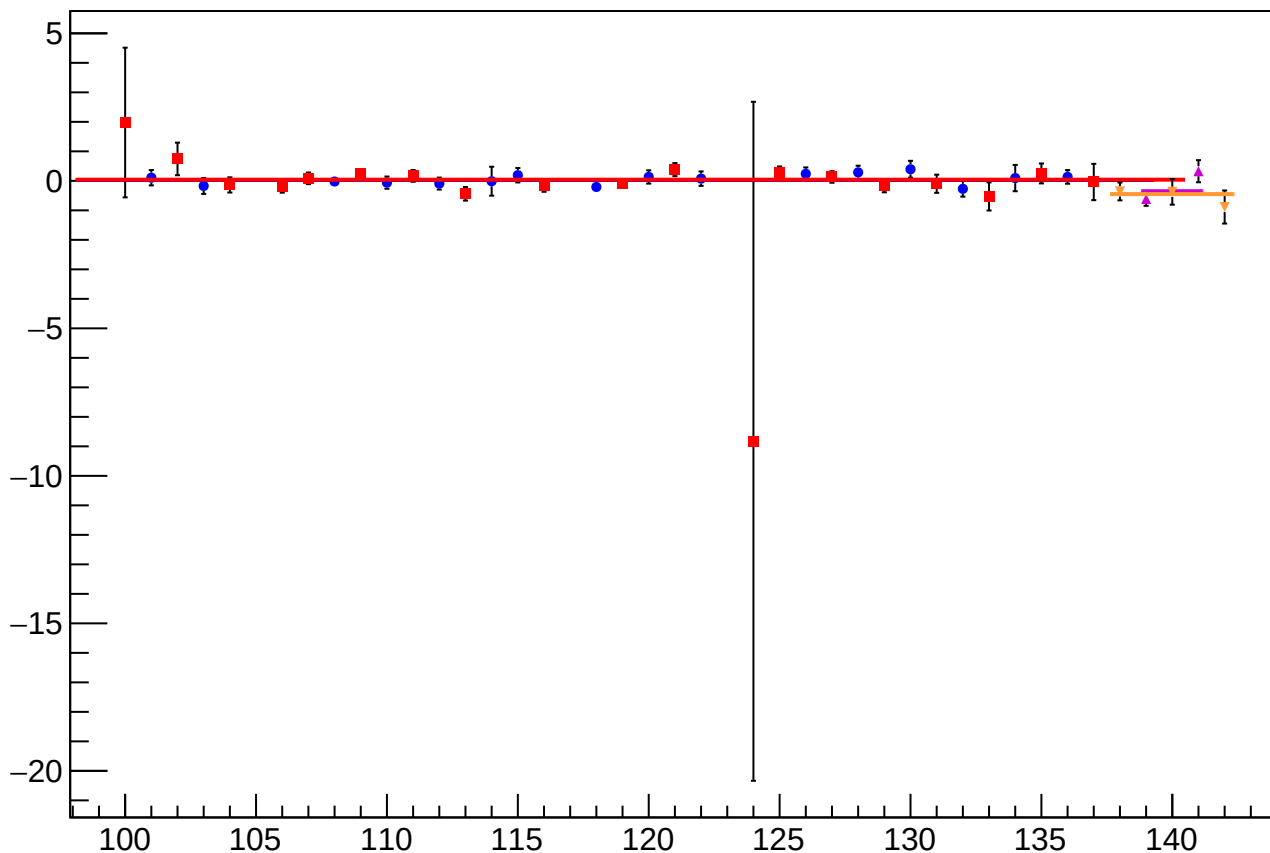
Left In: 0.000+/-0.000 χ^2/NDF :146700.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2087490.4/18

All: 0.000+/-0.000 χ^2/NDF : 4239383.6/39

- sign 0.000+/-0.000 χ^2/NDF : 1930525.7/20

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: -0.449 ± 0.227 χ^2/NDF : 0.7/2

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

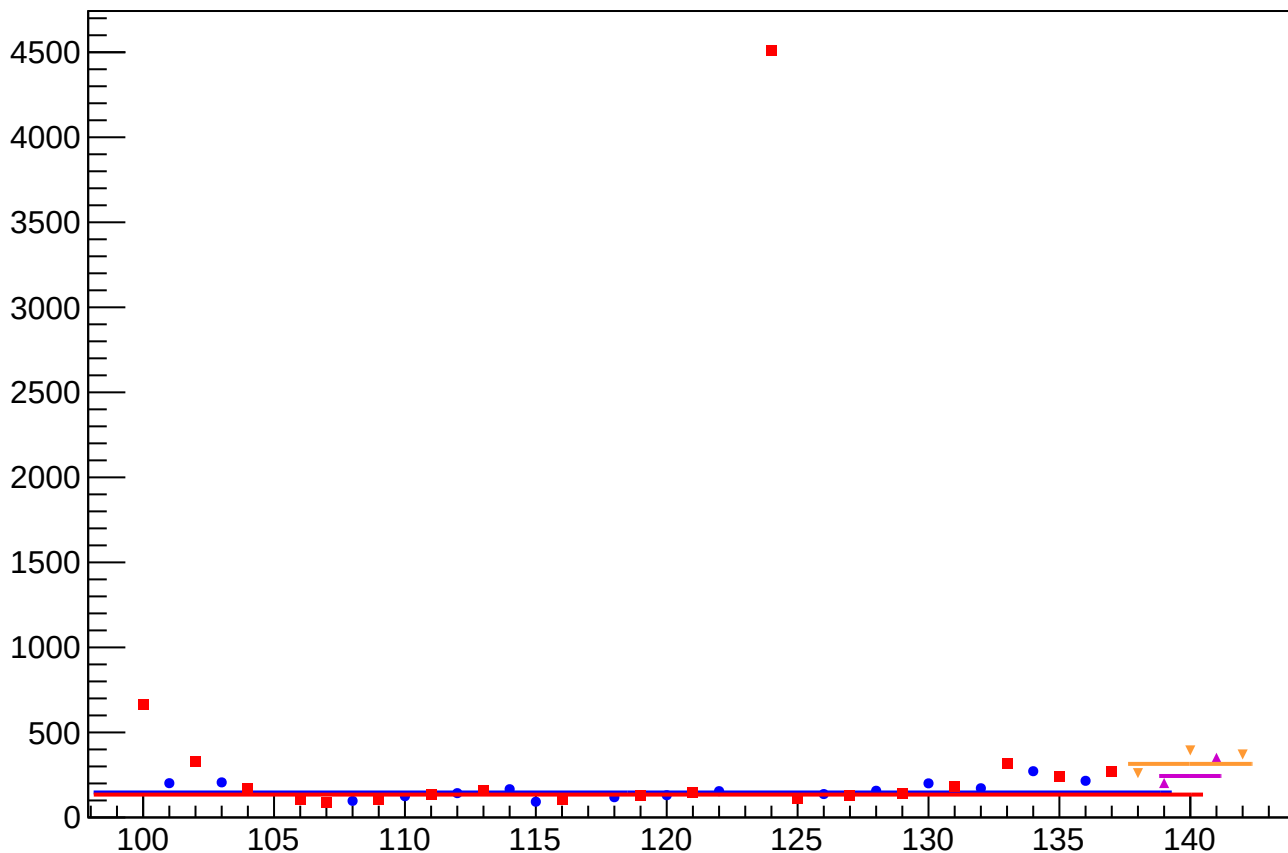
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign -0.001 ± 0.056 χ^2/NDF : 14.3/18

All: 0.005 ± 0.038 χ^2/NDF : 42.5/39

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

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: 315.050+/-0.160 χ^2/NDF : 151154.2/2

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

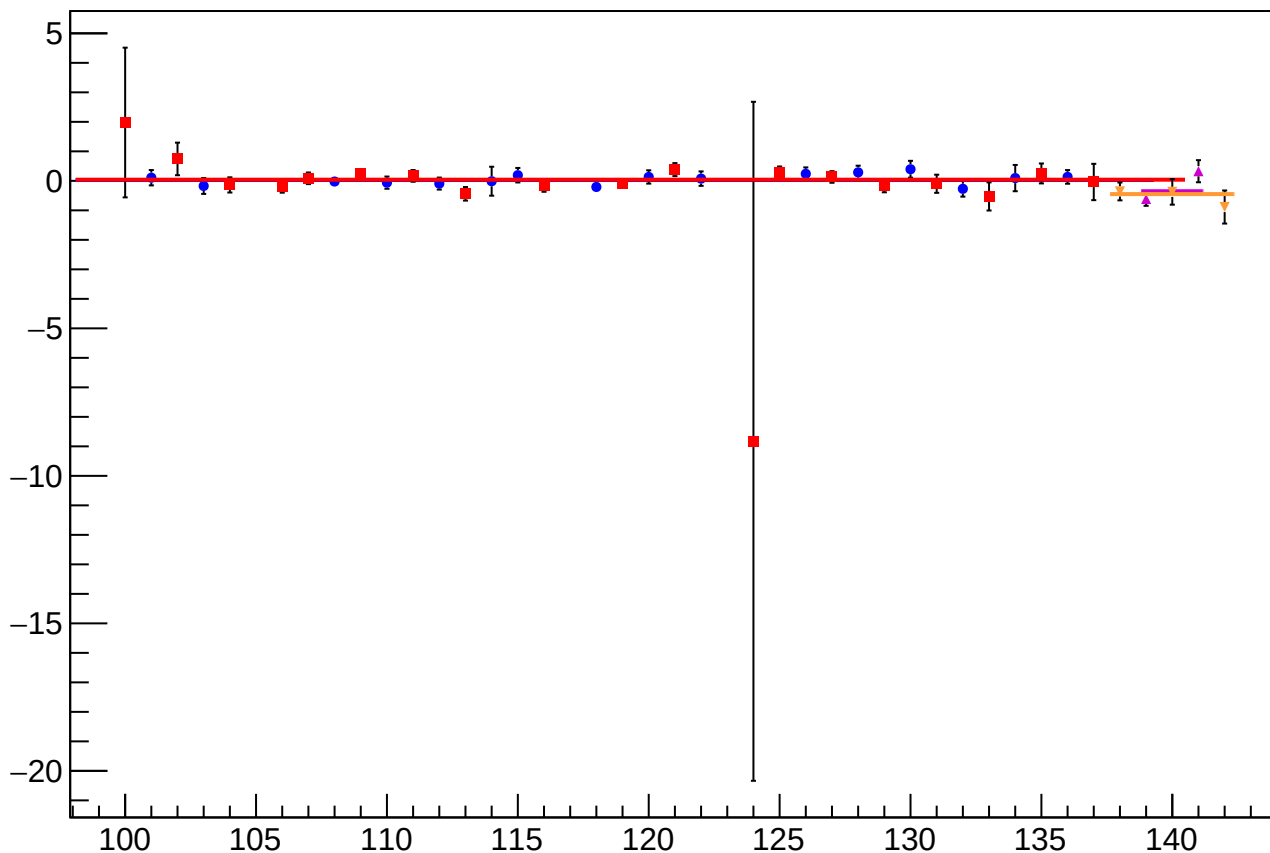
Left In: 243.847+/-0.140 χ^2/NDF : 226761.4/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182213.6/18

All: 149.250+/-0.027 χ^2/NDF : 4657162.7/39

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.449 ± 0.227 χ^2/NDF : 0.7/2

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

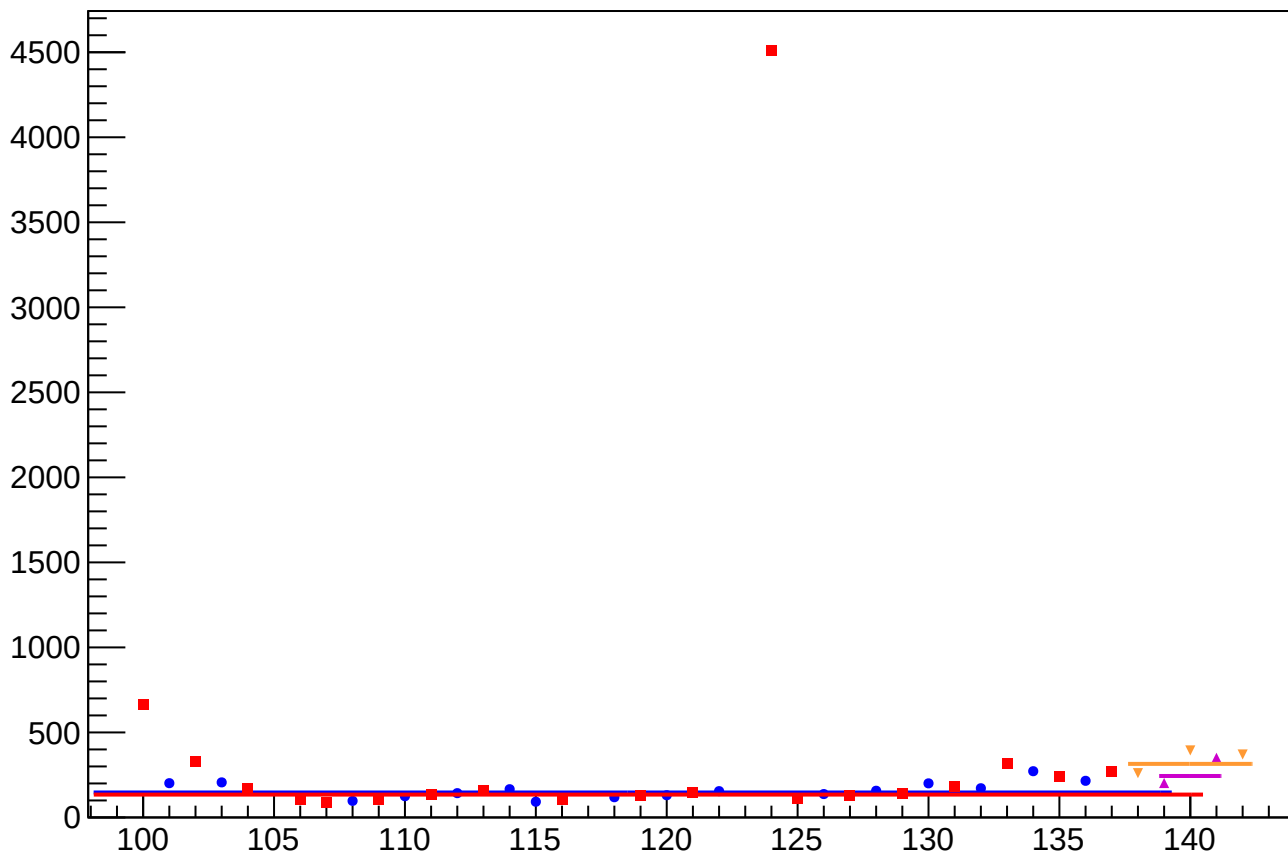
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign -0.001 ± 0.056 χ^2/NDF : 14.3/18

All: 0.005 ± 0.038 χ^2/NDF : 42.5/39

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

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: 315.050+/-0.160 χ^2/NDF :151154.2/2

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

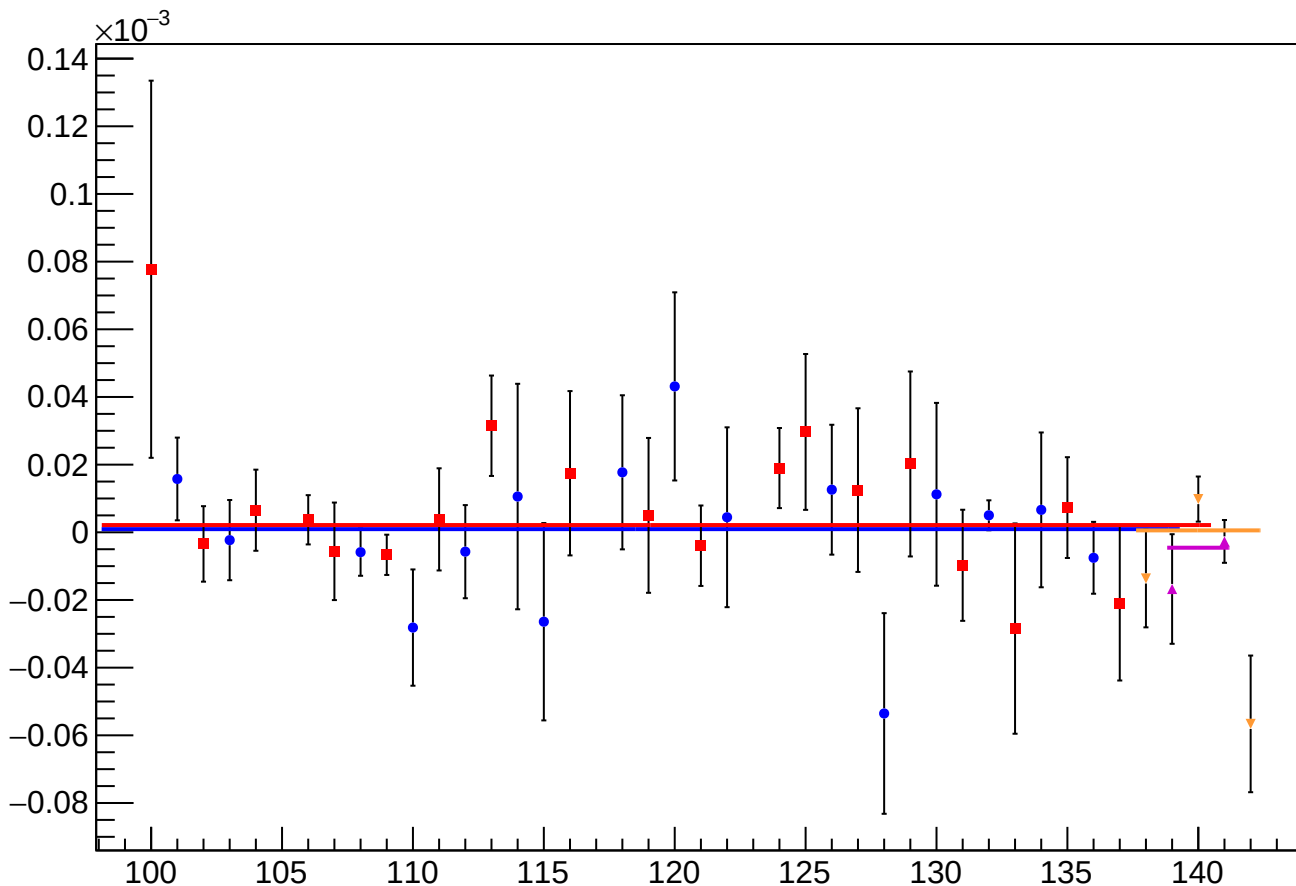
Left In: 243.847+/-0.140 χ^2/NDF :226761.4/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182213.6/18

All: 149.250+/-0.027 χ^2/NDF : 4657162.7/39

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

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:10.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

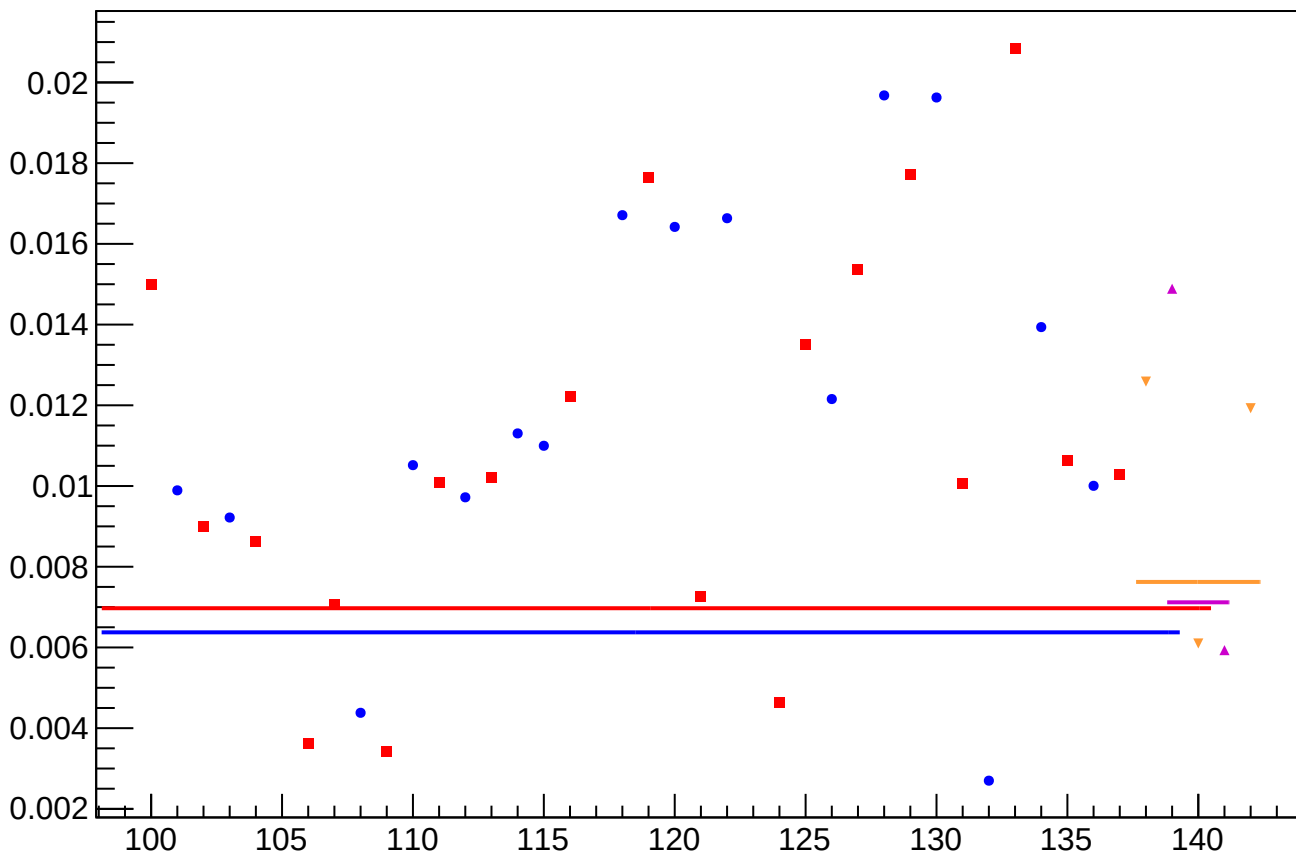
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.7/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.5/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/20

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: 0.008+/-0.000 χ^2/NDF : 431485.1/2

Right Out: 0.007+/-0.000 χ^2/NDF : 3409939.3/18

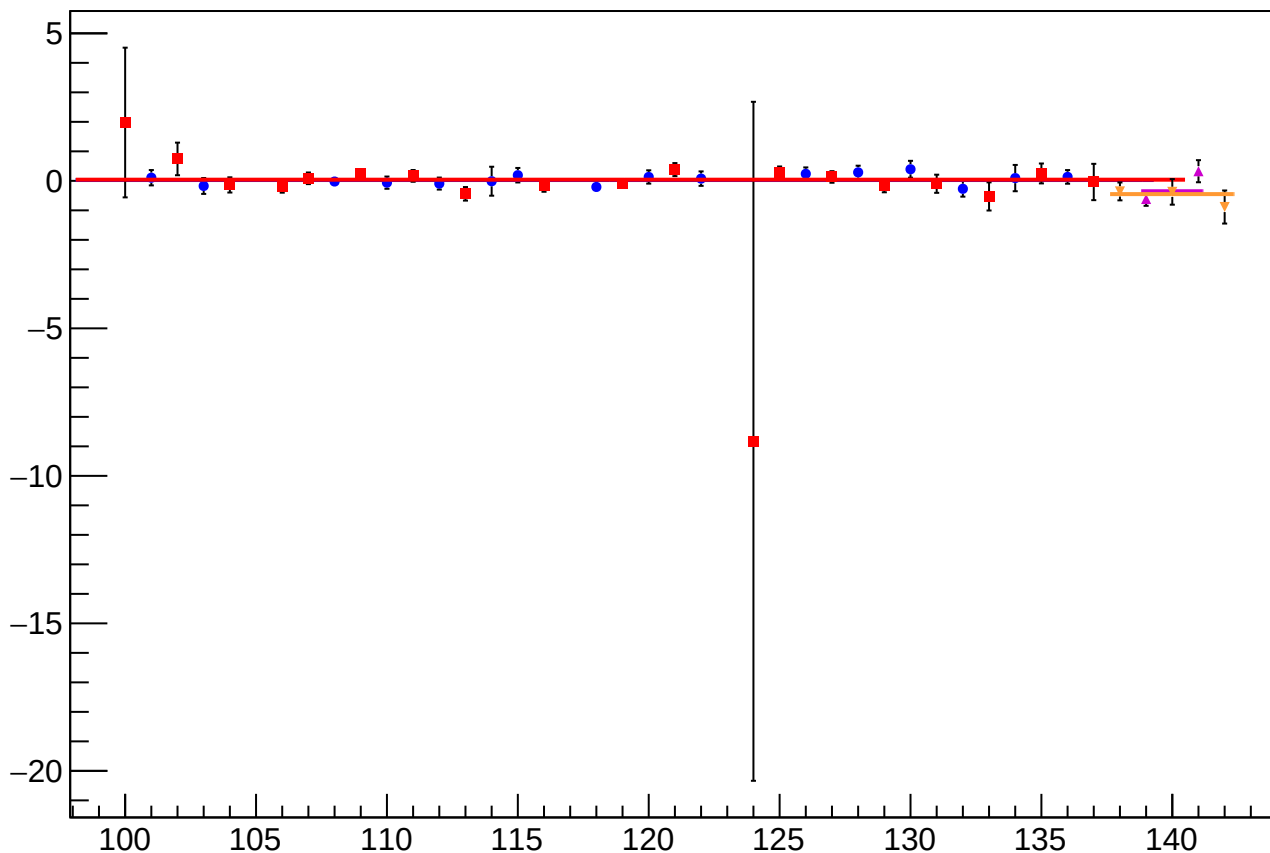
Left In: 0.007+/-0.000 χ^2/NDF : 530472.1/1

+ sign 0.007+/-0.000 χ^2/NDF : 5145240.2/18

All: 0.007+/-0.000 χ^2/NDF : 9106594.6/39

- sign 0.007+/-0.000 χ^2/NDF : 3941392.2/20

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: -0.449 ± 0.227 χ^2/NDF : 0.7/2

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

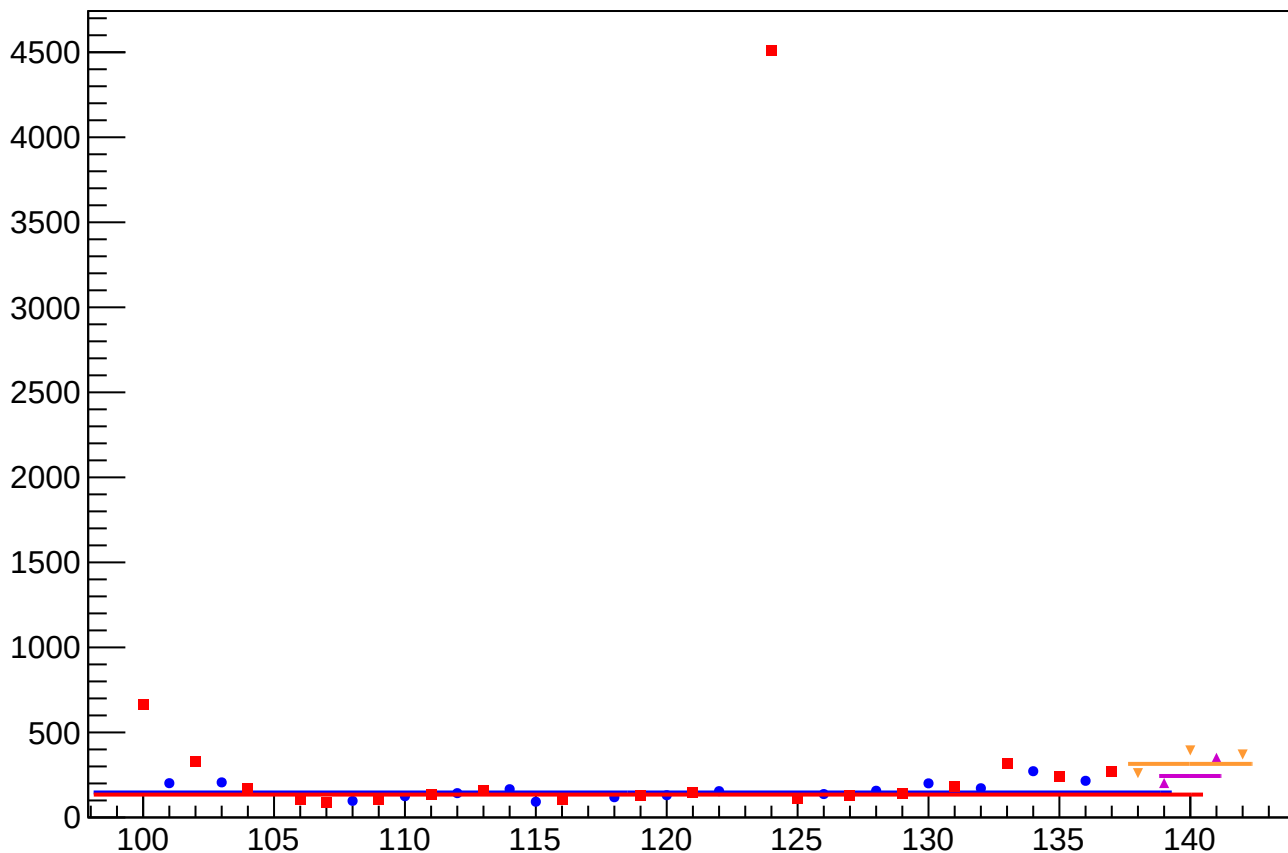
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign -0.001 ± 0.056 χ^2/NDF : 14.3/18

All: 0.005 ± 0.038 χ^2/NDF : 42.5/39

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

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: 315.054+/-0.160 χ^2/NDF :151150.3/2

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

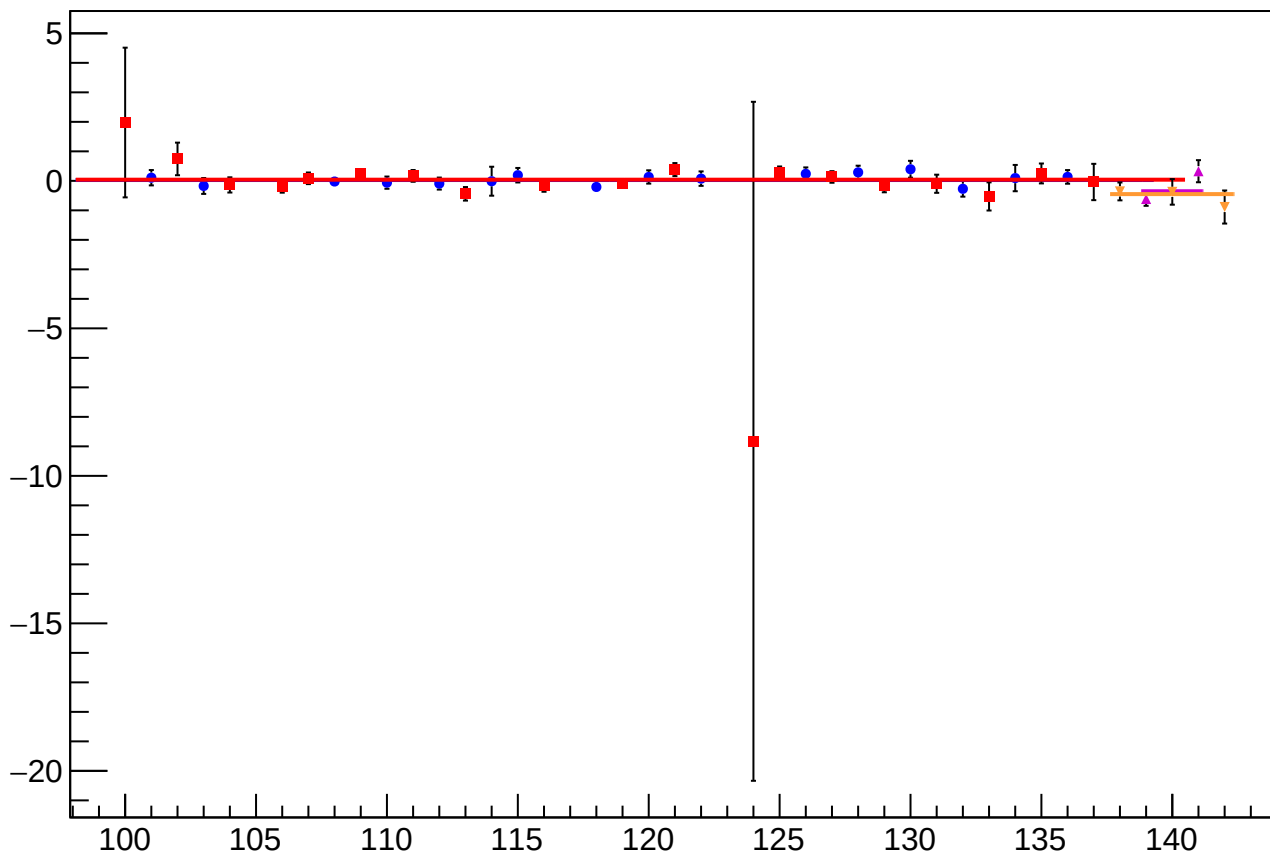
Left In: 243.852+/-0.140 χ^2/NDF :226749.0/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182177.4/18

All: 149.250+/-0.027 χ^2/NDF : 4657041.9/39

- sign 142.304+/-0.037 χ^2/NDF : 2401371.6/20

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: -0.449 ± 0.227 χ^2/NDF : 0.7/2

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

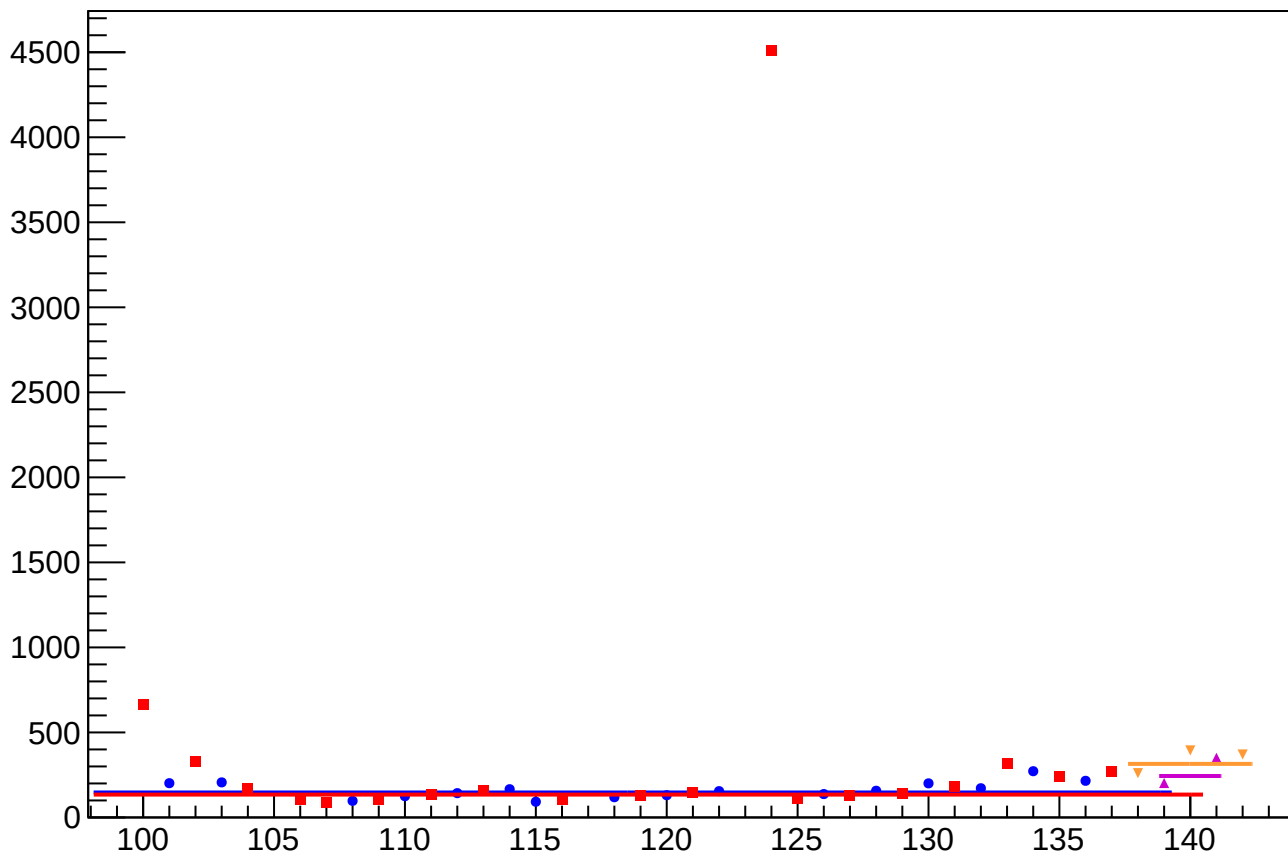
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign -0.001 ± 0.056 χ^2/NDF : 14.3/18

All: 0.005 ± 0.038 χ^2/NDF : 42.5/39

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998646.8/15

Left Out: 315.054+/-0.160 χ^2/NDF :151150.3/2

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

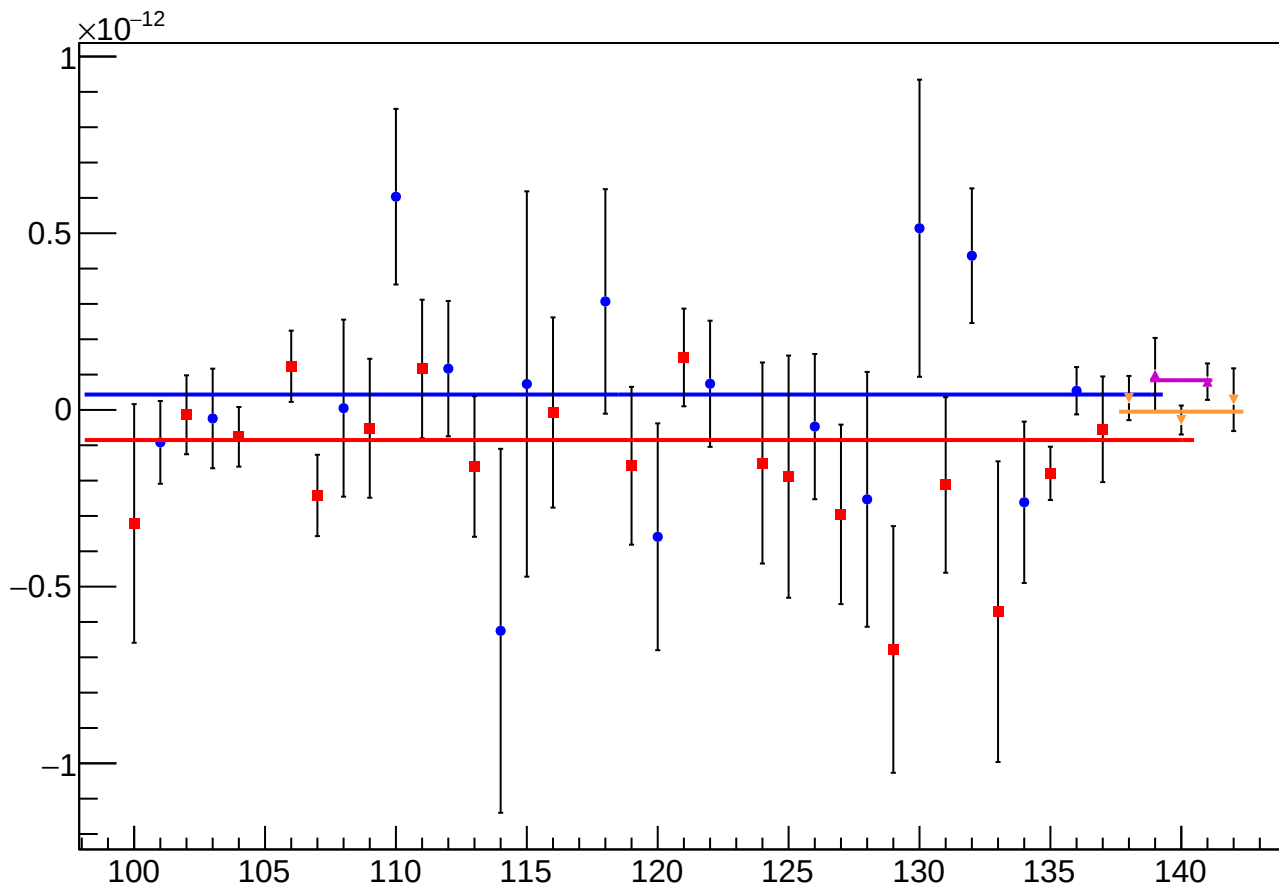
Left In: 243.852+/-0.140 χ^2/NDF :226749.0/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182177.4/18

All: 149.250+/-0.027 χ^2/NDF : 4657041.9/39

- sign 142.304+/-0.037 χ^2/NDF : 2401371.6/20

asym_atl_dd_atr_dd_avg_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 : 0.9/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.2/18

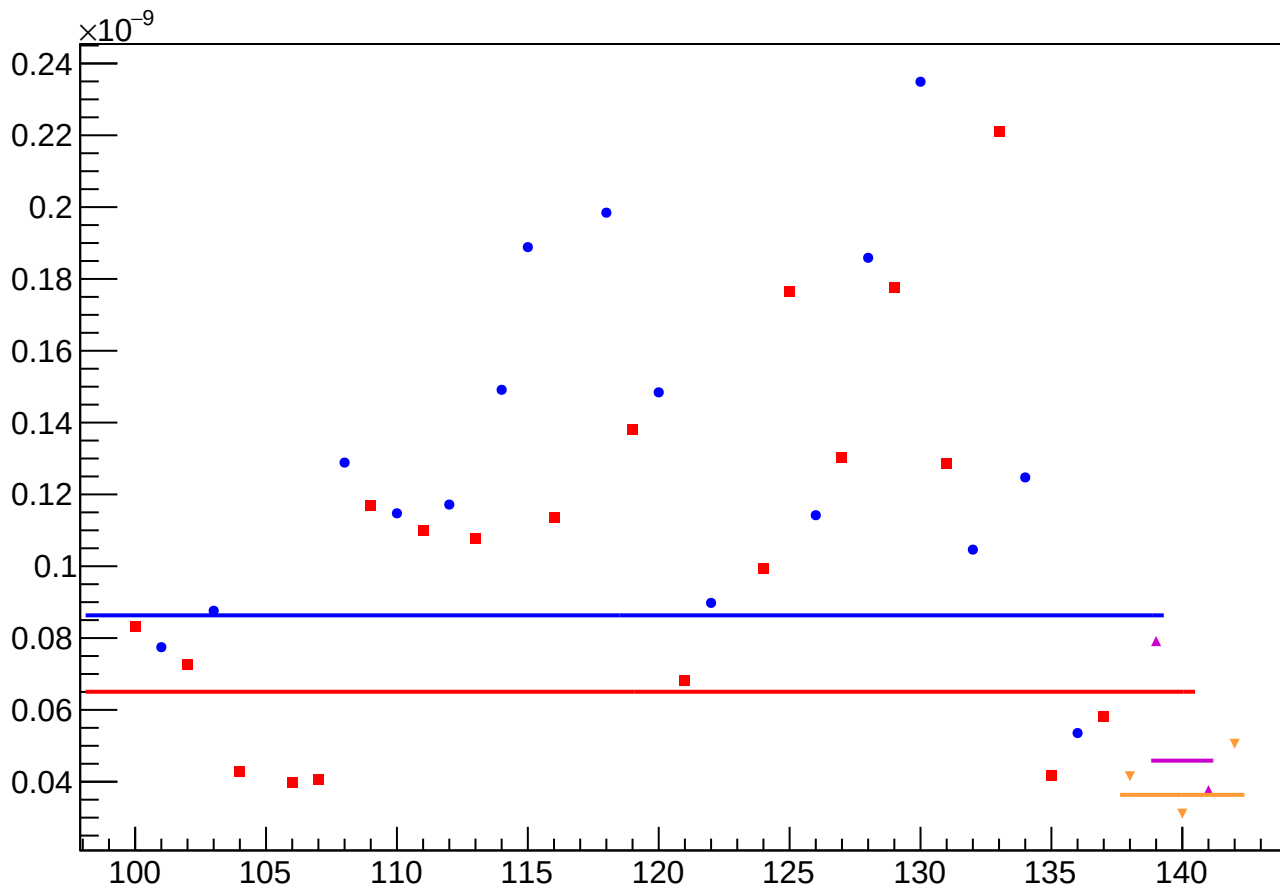
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 20.7/18

All: -0.000 ± 0.000 χ^2/NDF : 48.6/39

- sign -0.000 ± 0.000 χ^2/NDF : 26.9/20

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 : 97819.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2158861.4/18

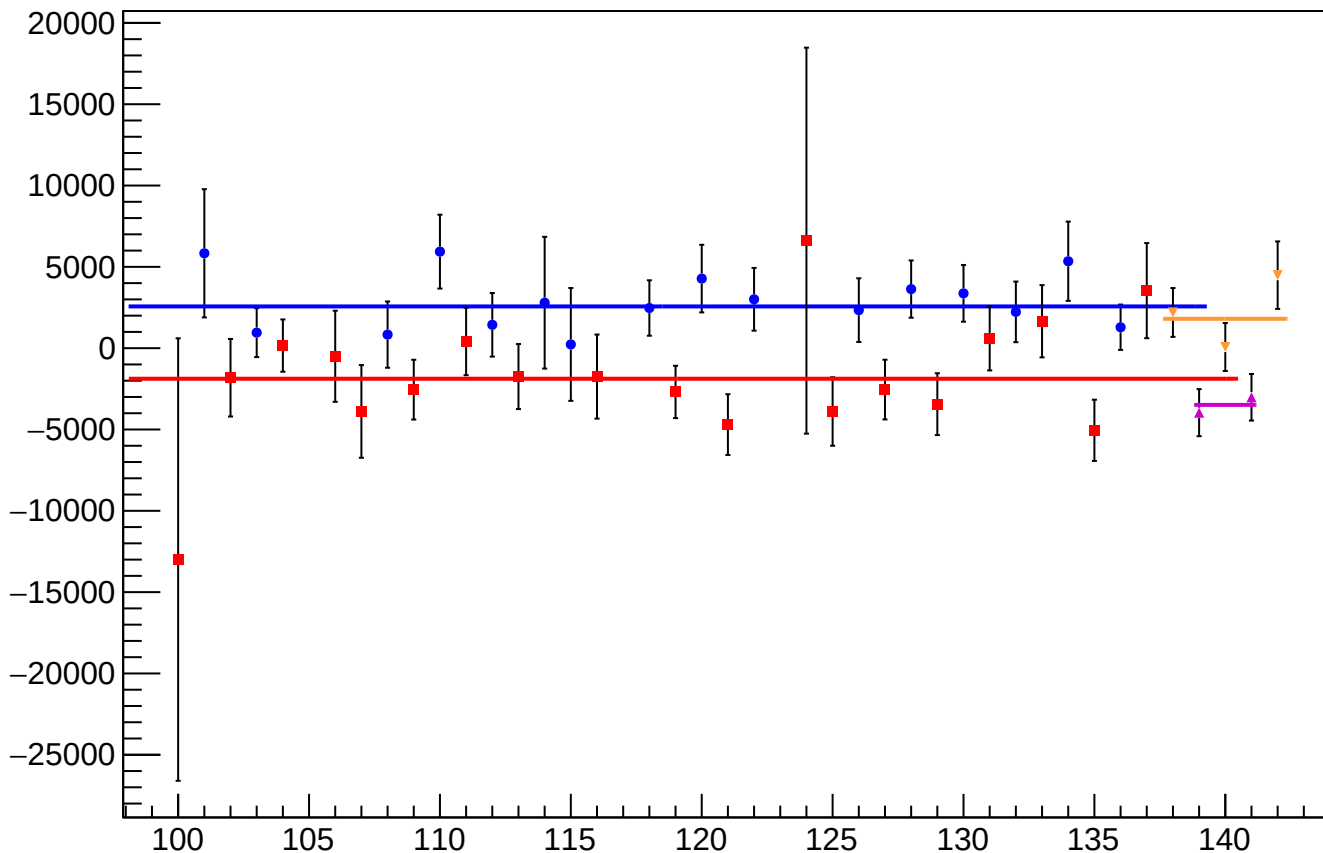
Left In: 0.000+/-0.000 χ^2/NDF : 256625.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3417839.4/18

All: 0.000+/-0.000 χ^2/NDF : 6078447.6/39

- sign 0.000+/-0.000 χ^2/NDF : 2638271.2/20

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF : 9.0/15

Left Out: 1806.559+/-938.387 χ^2/NDF : 3.1/2

Right Out: -1878.030+/-494.719 χ^2/NDF : 19.5/18

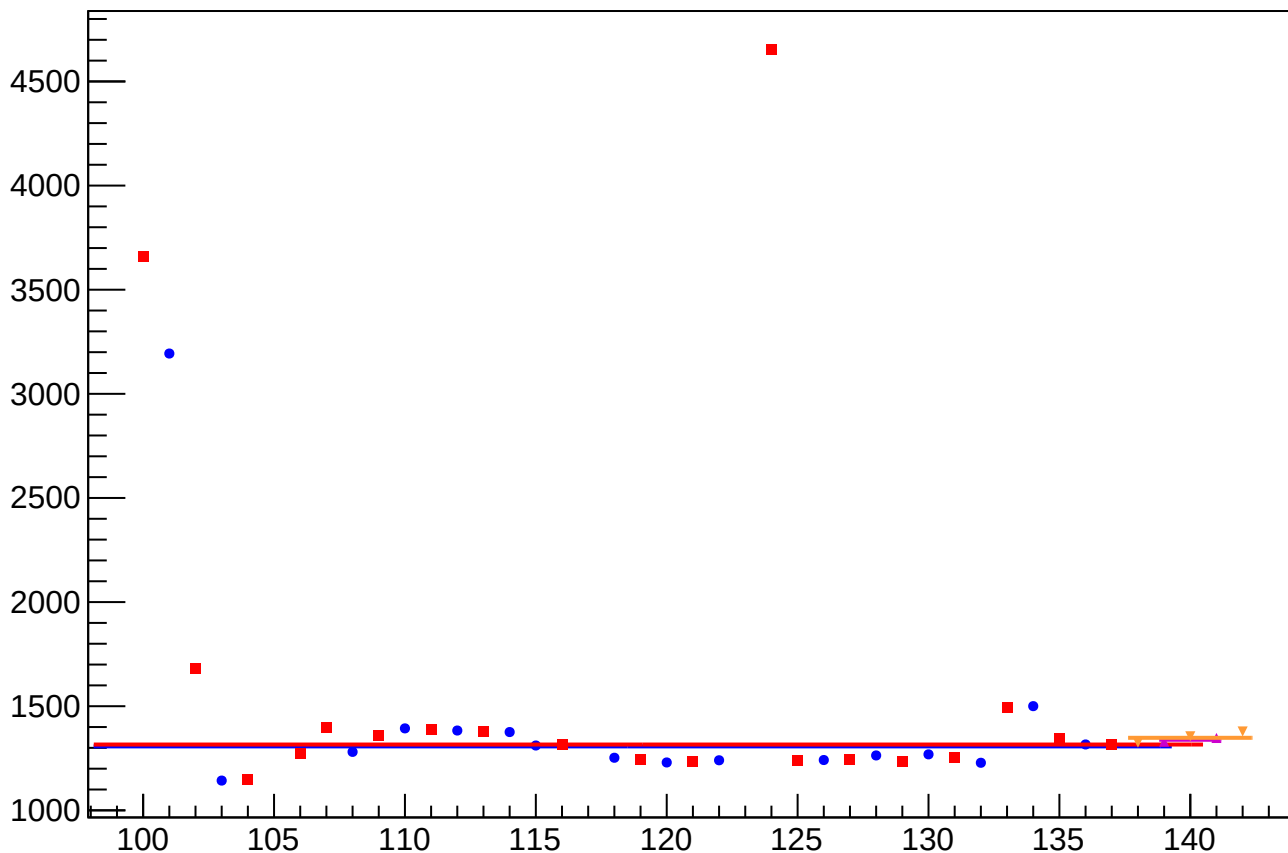
Left In: -3486.669+/-1017.829 χ^2/NDF : 0.2/1

+ sign 2401.633+/-438.072 χ^2/NDF : 12.7/18

All: 143.794+/-312.165 χ^2/NDF : 88.4/39

- sign -2185.442+/-444.945 χ^2/NDF : 21.8/20

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068 $\pm$ 0.350 χ^2 /NDF: 516249.0/15

Left Out: 1348.266 $\pm$ 0.664 χ^2 /NDF: 959.3/2

Right Out: 1315.999 $\pm$ 0.349 χ^2 /NDF: 326420.0/18

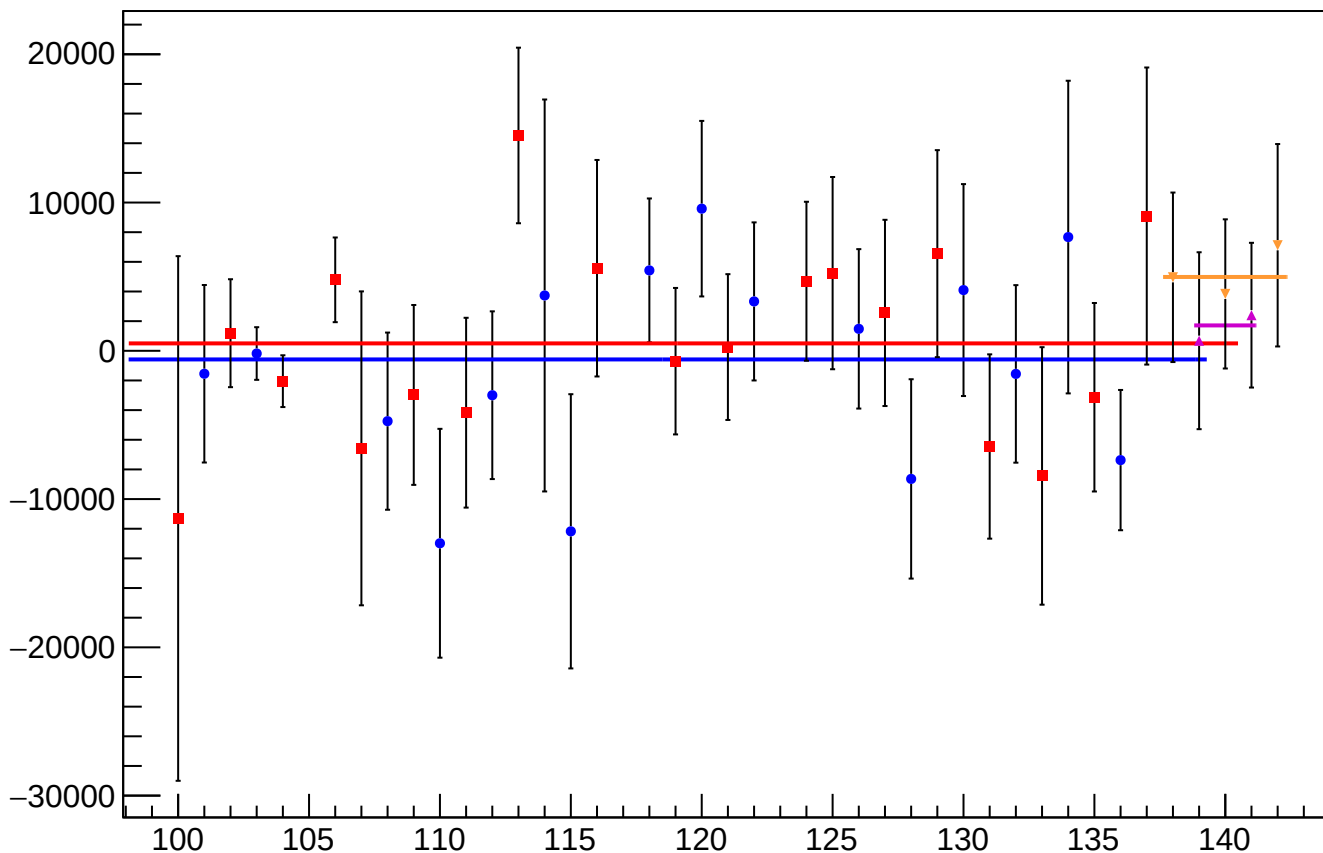
Left In: 1338.861 $\pm$ 0.720 χ^2 /NDF: 149.6/1

+ sign 1316.047 $\pm$ 0.310 χ^2 /NDF: 520223.1/18

All: 1318.169 $\pm$ 0.220 χ^2 /NDF: 847704.9/39

- sign 1320.349 $\pm$ 0.314 χ^2 /NDF: 327386.7/20

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: 4980.771+/-3304.337 χ^2/NDF : 0.1/2

Right Out: 500.098+/-1055.434 χ^2/NDF : 17.7/18

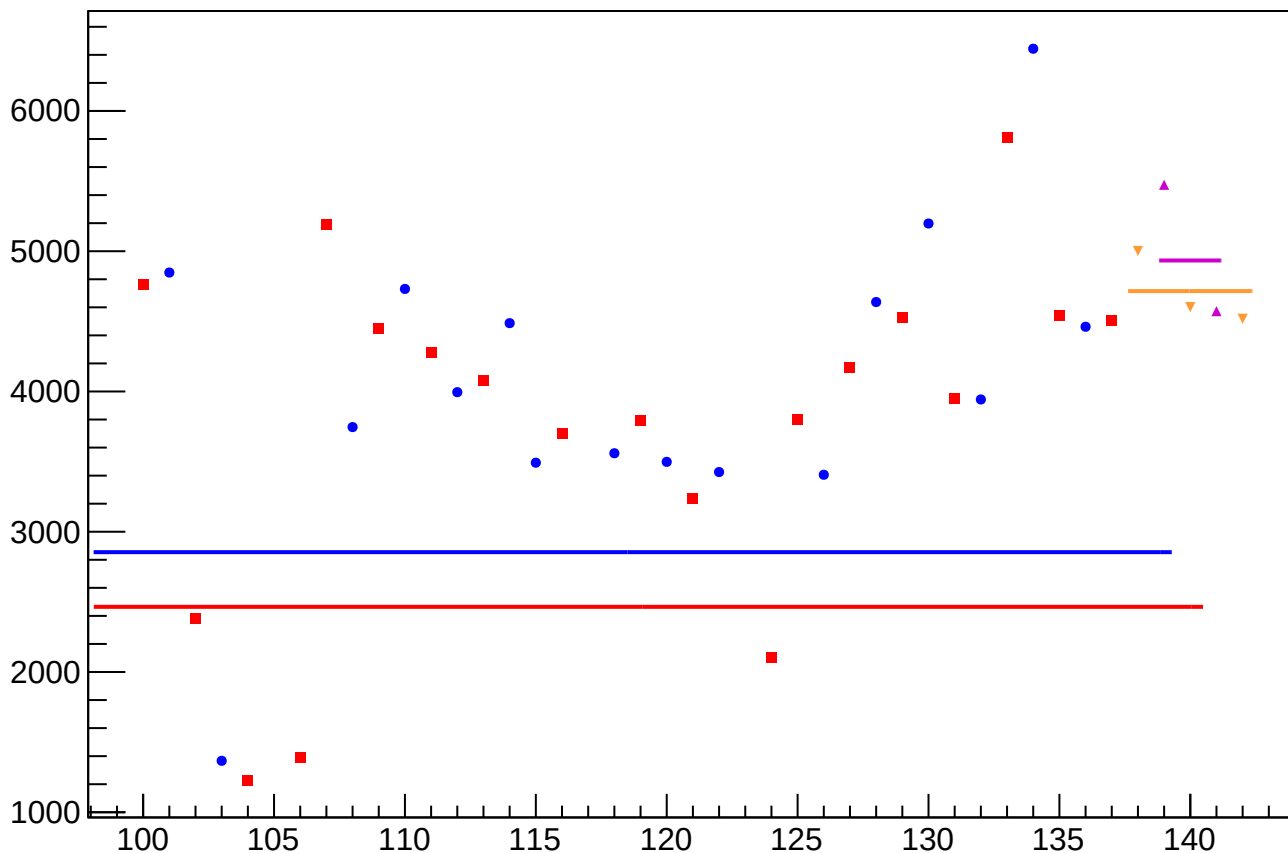
Left In: 1712.622+/-3777.686 χ^2/NDF : 0.0/1

+ sign 59.545+/-1121.991 χ^2/NDF : 17.4/18

All: 349.716+/-753.318 χ^2/NDF : 35.4/39

- sign 587.891+/-1016.507 χ^2/NDF : 17.8/20

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: 4715.824+/-2.337 χ^2/NDF : 7700.2/2

Right Out: 2464.593+/-0.746 χ^2/NDF : 3355947.0/18

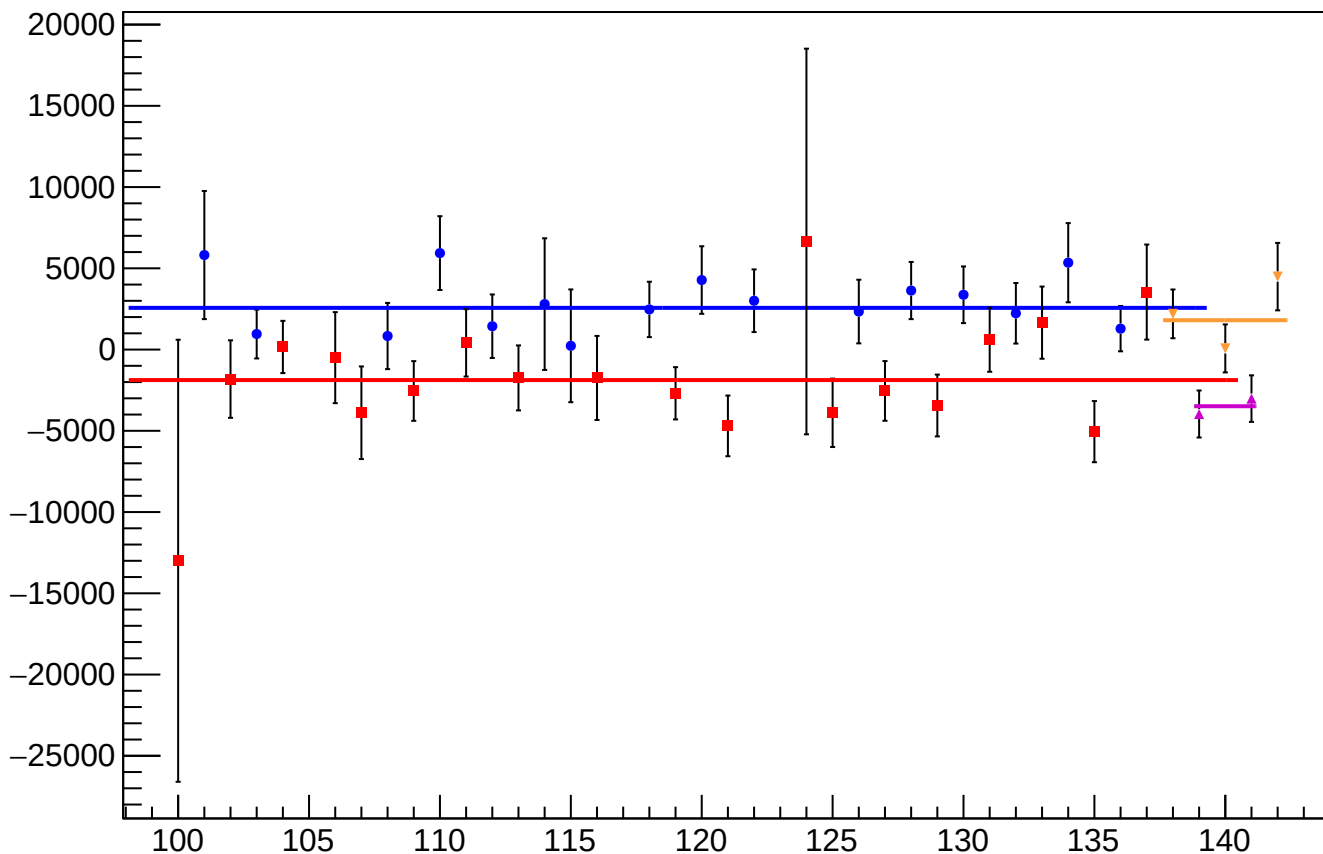
Left In: 4933.926+/-2.671 χ^2/NDF : 27330.5/1

+ sign 3068.924+/-0.793 χ^2/NDF : 3474083.5/18

All: 2835.215+/-0.533 χ^2/NDF : 7808040.4/39

- sign 2643.385+/-0.719 χ^2/NDF : 4175953.9/20

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF : 9.0/15

Left Out: 1806.597+/-938.387 χ^2/NDF : 3.1/2

Right Out: -1877.774+/-494.719 χ^2/NDF : 19.5/18

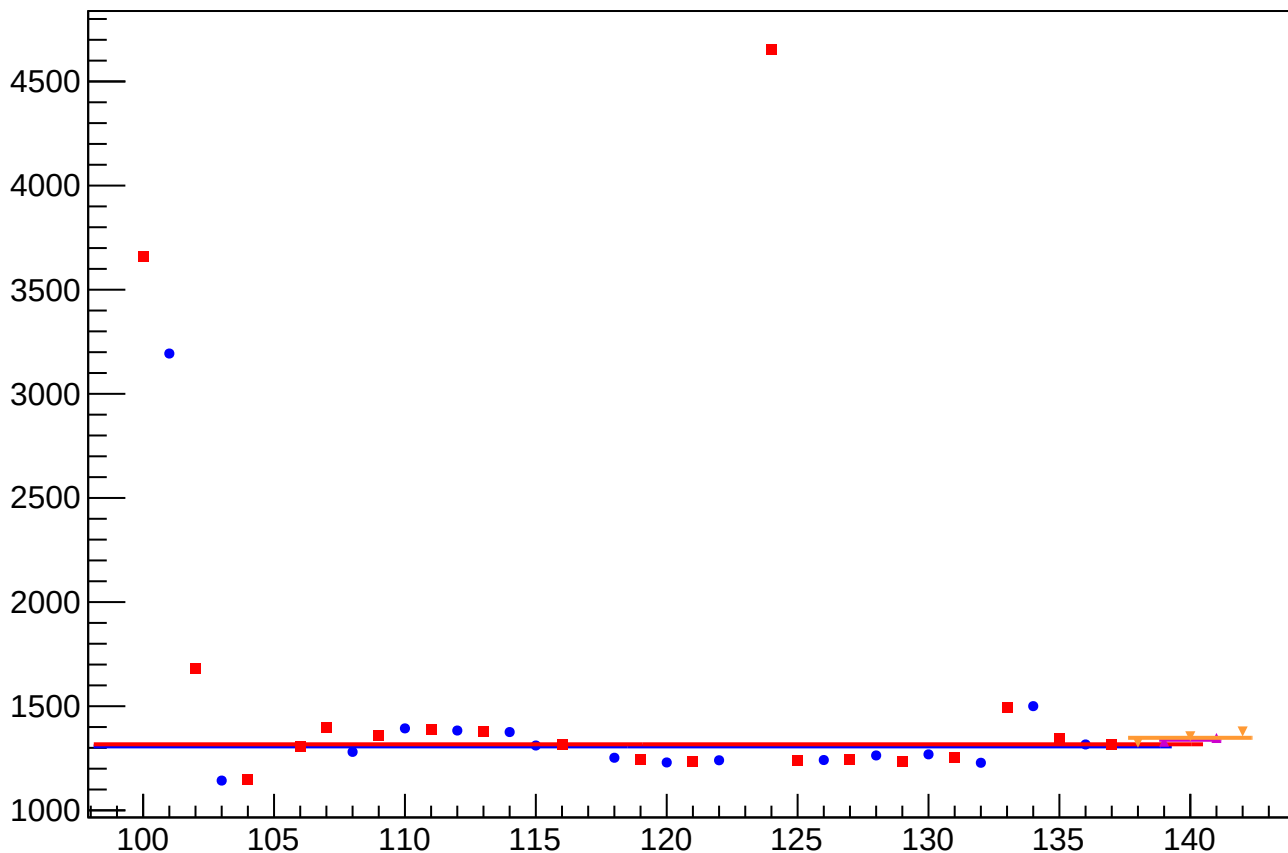
Left In: -3486.936+/-1017.829 χ^2/NDF : 0.2/1

+ sign 2401.422+/-438.072 χ^2/NDF : 12.7/18

All: 143.763+/-312.165 χ^2/NDF : 88.4/39

- sign -2185.286+/-444.945 χ^2/NDF : 21.8/20

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: 1348.266 $\pm$ 0.664 χ^2 /NDF: 959.3/2

Right Out: 1317.128 $\pm$ 0.349 χ^2 /NDF: 325926.8/18

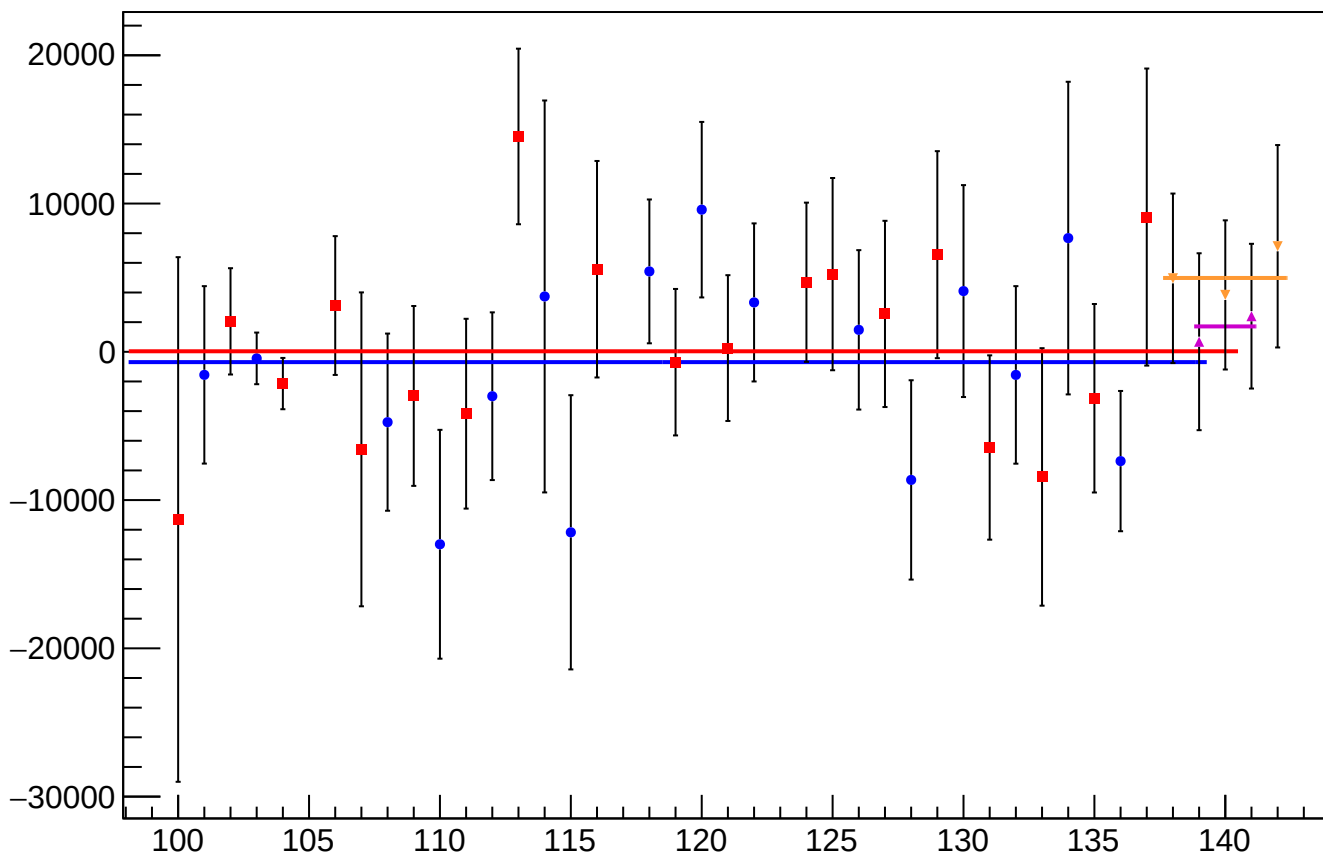
Left In: 1338.861 $\pm$ 0.720 χ^2 /NDF: 149.6/1

+ sign 1316.046 $\pm$ 0.310 χ^2 /NDF: 520224.7/18

All: 1318.621 $\pm$ 0.221 χ^2 /NDF: 847179.3/39

- sign 1321.268 $\pm$ 0.314 χ^2 /NDF: 326814.5/20

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: 4980.803 ± 3304.331 χ^2/NDF : 0.1/2

Right Out: 36.115 ± 1098.207 χ^2/NDF : 15.9/18

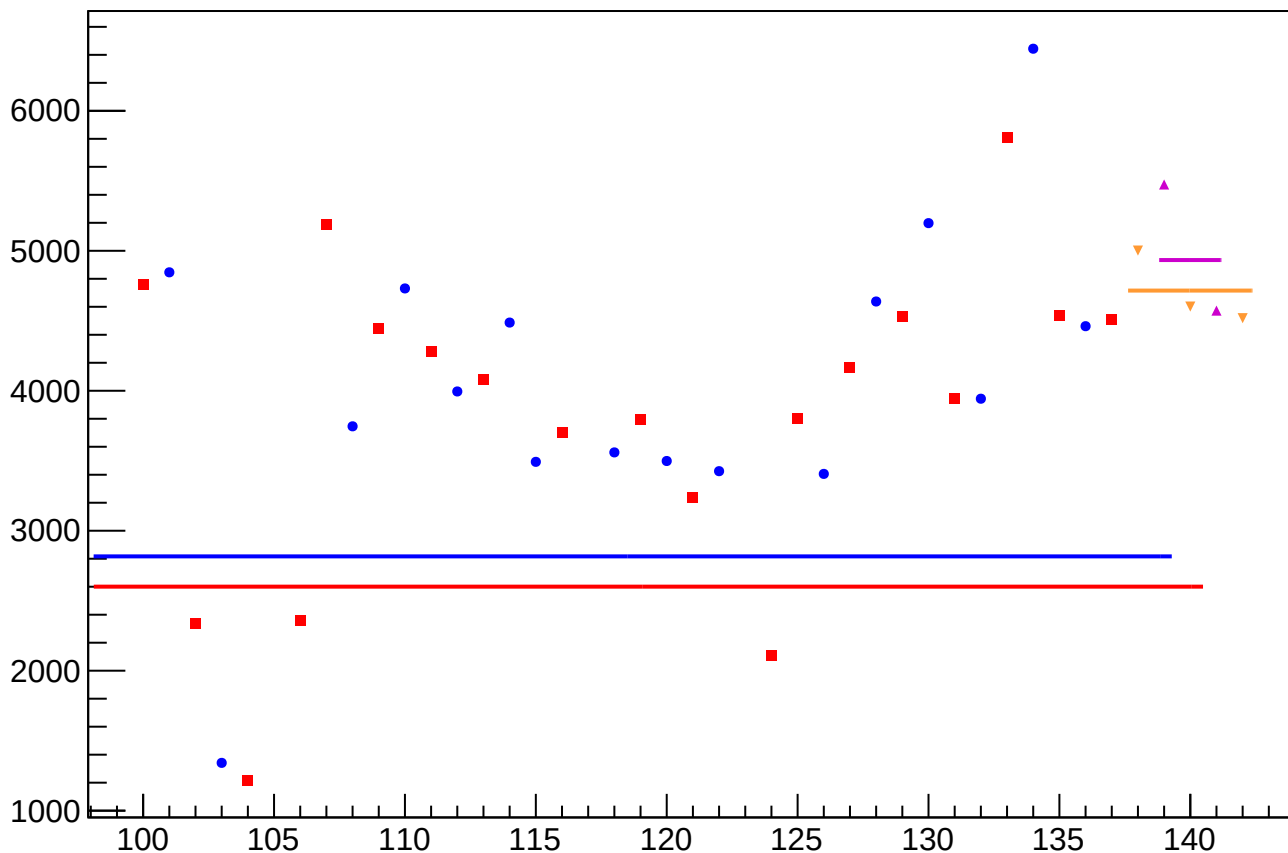
Left In: 1712.696 ± 3777.686 χ^2/NDF : 0.0/1

+ sign -50.927 ± 1113.299 χ^2/NDF : 17.5/18

All: 63.813 ± 765.606 χ^2/NDF : 33.6/39

- sign 166.764 ± 1054.550 χ^2/NDF : 16.2/20

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: 4715.815+/-2.337 χ^2/NDF : 7700.4/2

Right Out: 2600.524+/-0.777 χ^2/NDF : 3080771.9/18

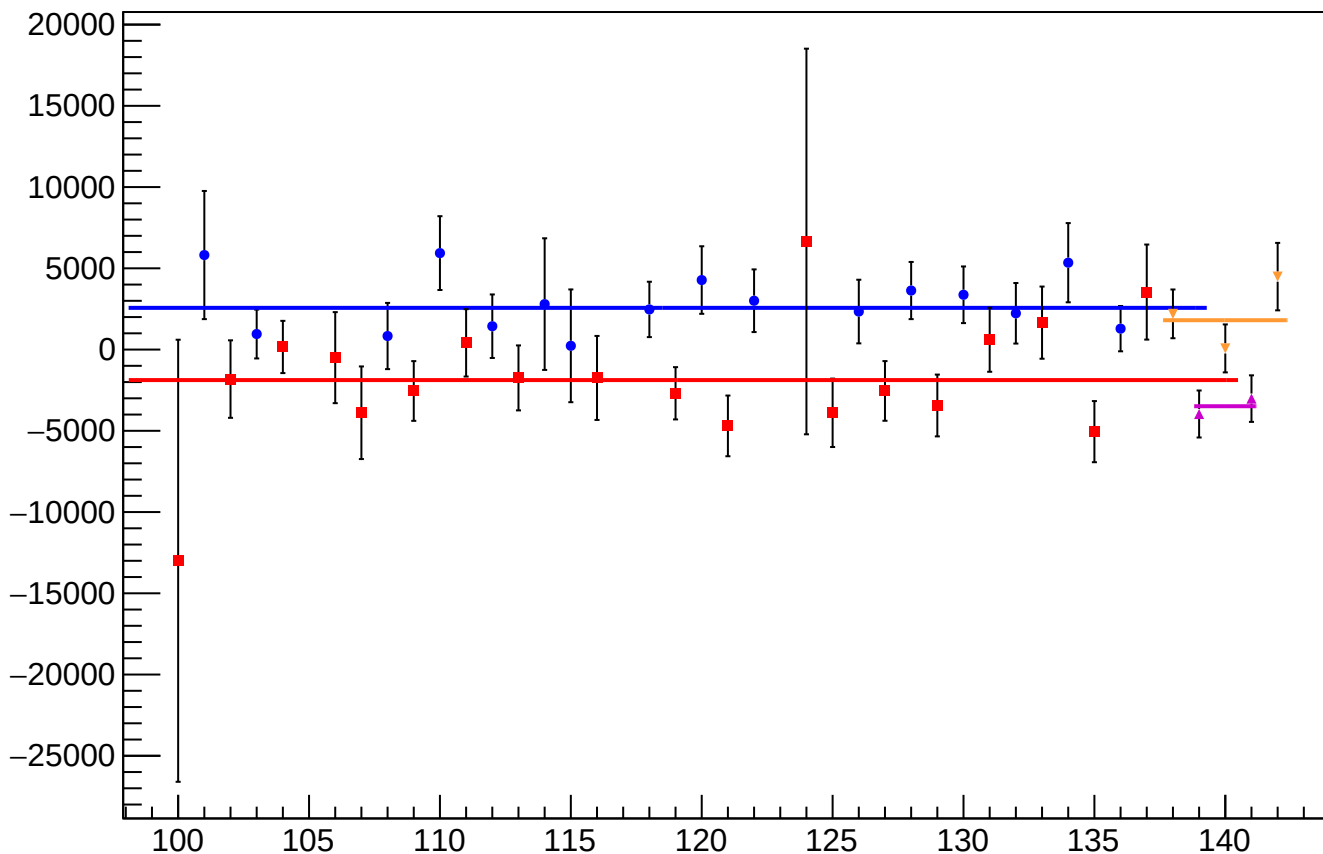
Left In: 4933.925+/-2.671 χ^2/NDF : 27331.2/1

+ sign 3032.354+/-0.787 χ^2/NDF : 3600866.1/18

All: 2900.585+/-0.541 χ^2/NDF : 7465720.1/39

- sign 2782.357+/-0.746 χ^2/NDF : 3811697.9/20

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF : 9.0/15

Left Out: 1806.597+/-938.387 χ^2/NDF : 3.1/2

Right Out: -1877.774+/-494.719 χ^2/NDF : 19.5/18

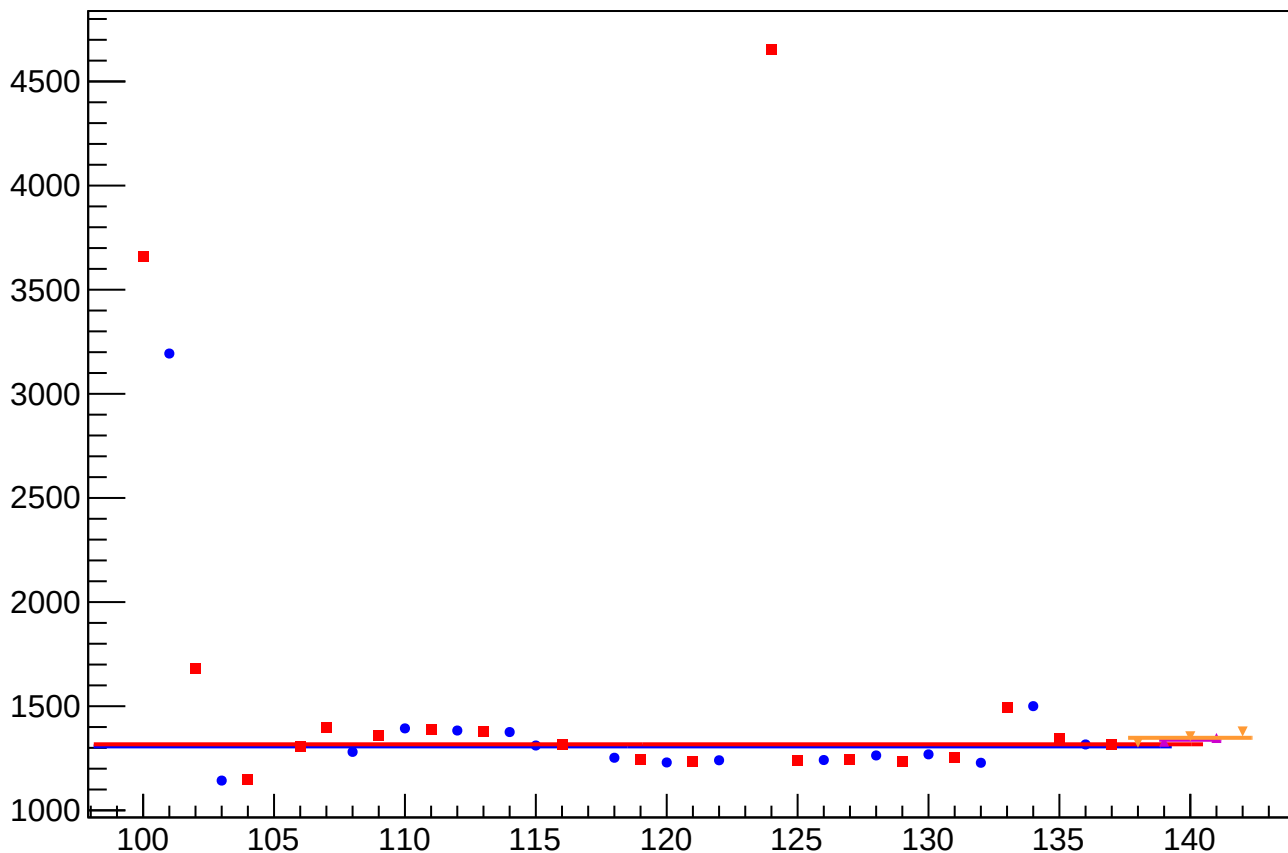
Left In: -3486.936+/-1017.829 χ^2/NDF : 0.2/1

+ sign 2401.422+/-438.072 χ^2/NDF : 12.7/18

All: 143.763+/-312.165 χ^2/NDF : 88.4/39

- sign -2185.286+/-444.945 χ^2/NDF : 21.8/20

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF : 516250.6/15

Left Out: 1348.266+/-0.664 χ^2/NDF : 959.3/2

Right Out: 1317.128+/-0.349 χ^2/NDF : 325926.8/18

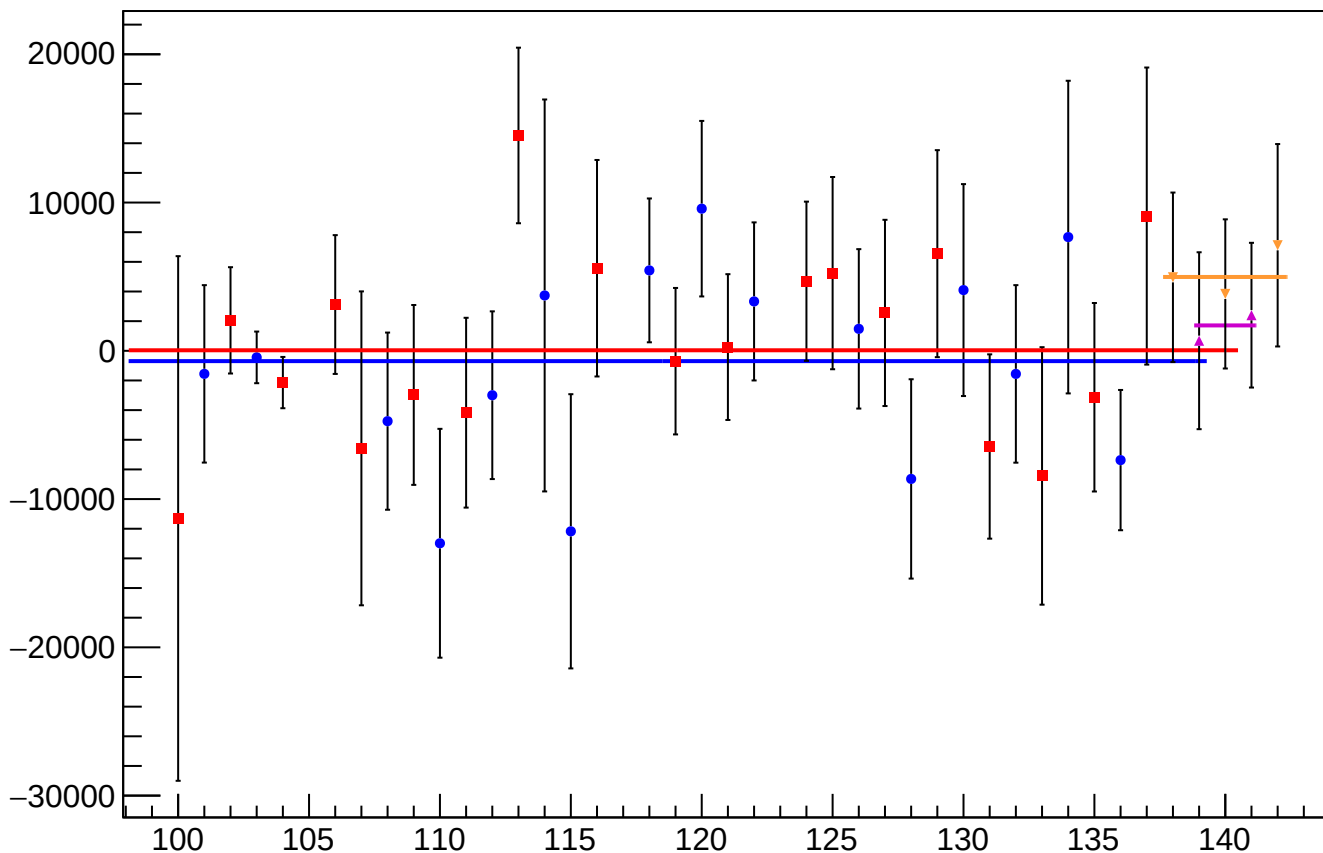
Left In: 1338.861+/-0.720 χ^2/NDF : 149.6/1

+ sign 1316.046+/-0.310 χ^2/NDF : 520224.7/18

All: 1318.621+/-0.221 χ^2/NDF : 847179.3/39

- sign 1321.268+/-0.314 χ^2/NDF : 326814.5/20

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: 4980.803 ± 3304.331 χ^2/NDF : 0.1/2

Right Out: 36.115 ± 1098.207 χ^2/NDF : 15.9/18

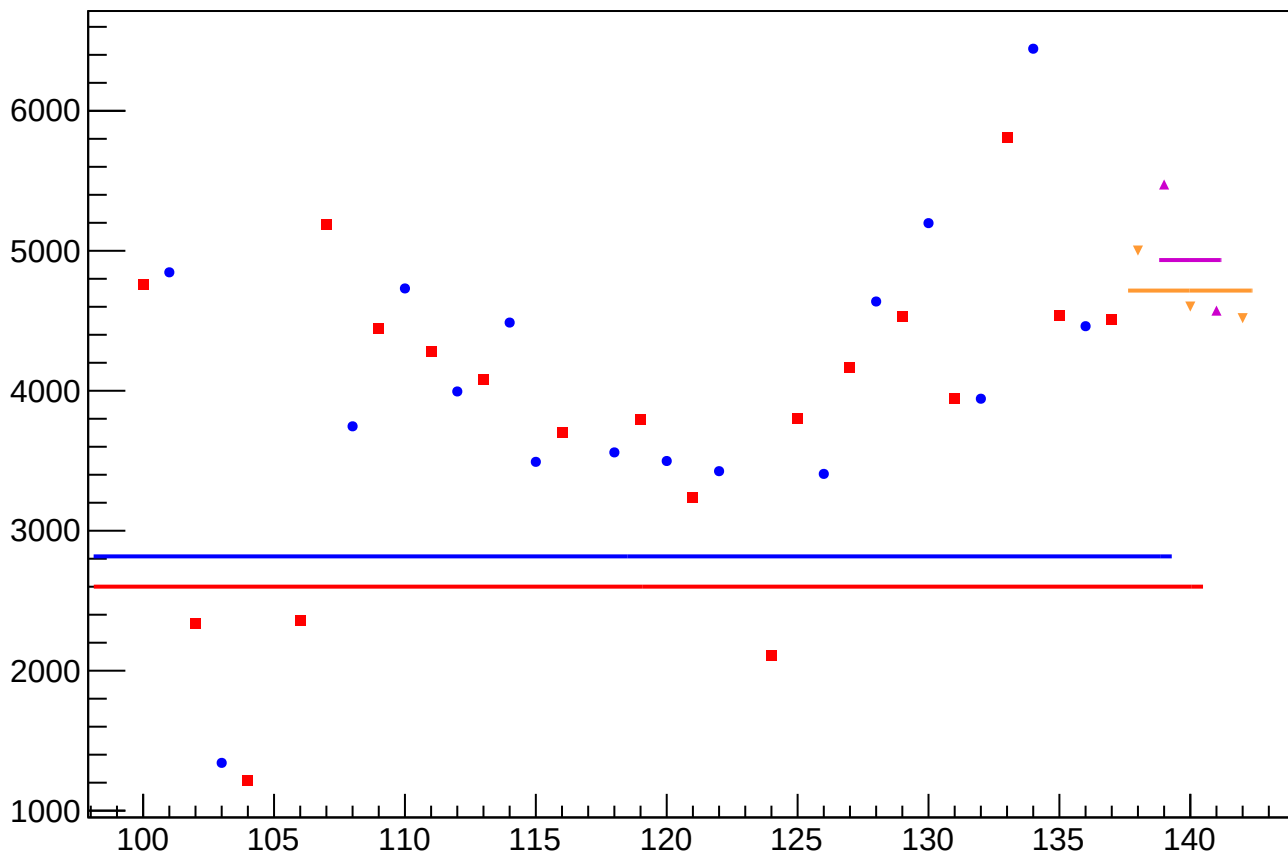
Left In: 1712.696 ± 3777.686 χ^2/NDF : 0.0/1

+ sign -50.927 ± 1113.299 χ^2/NDF : 17.5/18

All: 63.813 ± 765.606 χ^2/NDF : 33.6/39

- sign 166.764 ± 1054.550 χ^2/NDF : 16.2/20

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 2816.784+/-0.836 χ^2/NDF : 3007570.0/15

Left Out: 4715.815+/-2.337 χ^2/NDF : 7700.4/2

Right Out: 2600.524+/-0.777 χ^2/NDF : 3080771.9/18

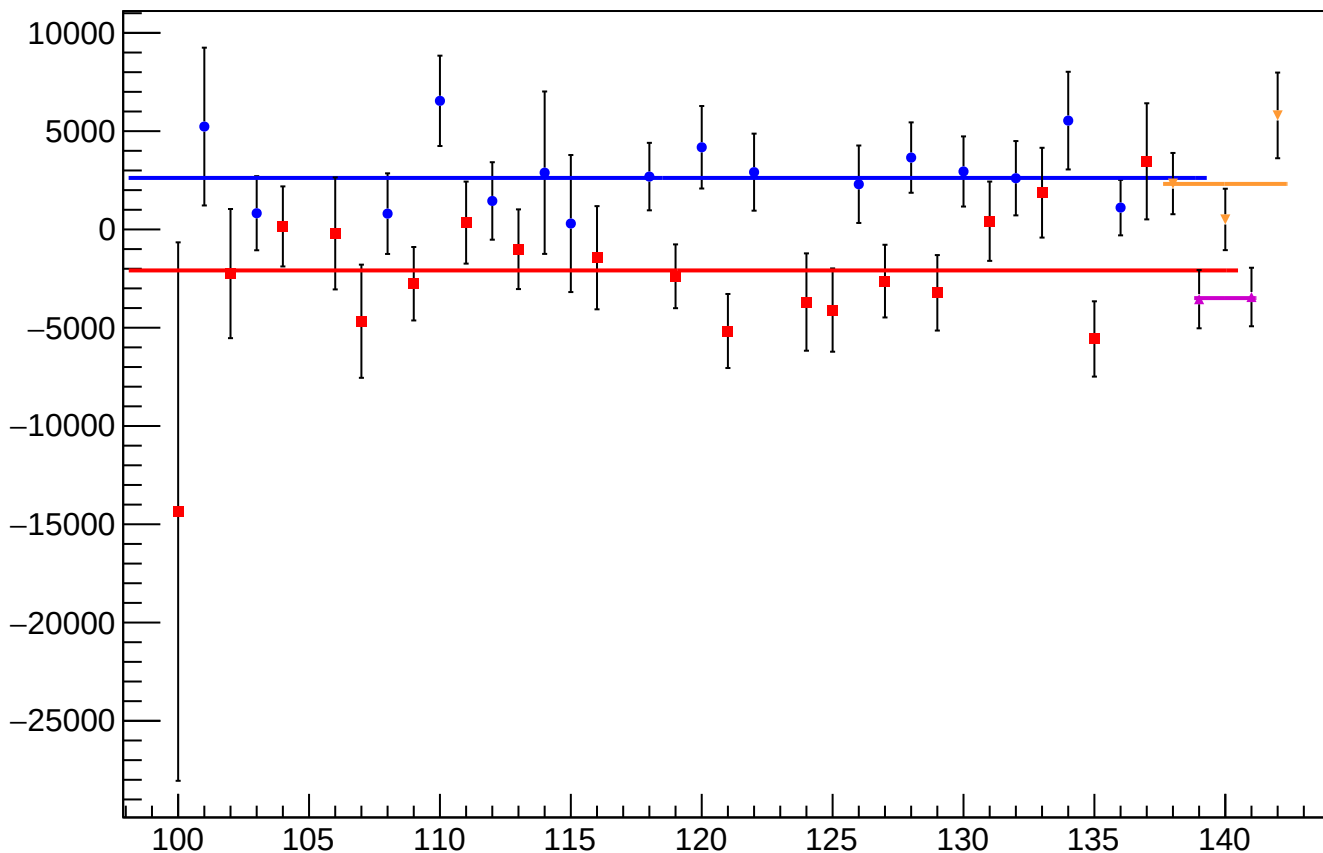
Left In: 4933.925+/-2.671 χ^2/NDF : 27331.2/1

+ sign 3032.354+/-0.787 χ^2/NDF : 3600866.1/18

All: 2900.585+/-0.541 χ^2/NDF : 7465720.1/39

- sign 2782.357+/-0.746 χ^2/NDF : 3811697.9/20

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: 2316.282 $\pm$ 984.299 χ^2/NDF : 3.9/2

Right Out: -2085.606 $\pm$ 504.873 χ^2/NDF : 20.9/18

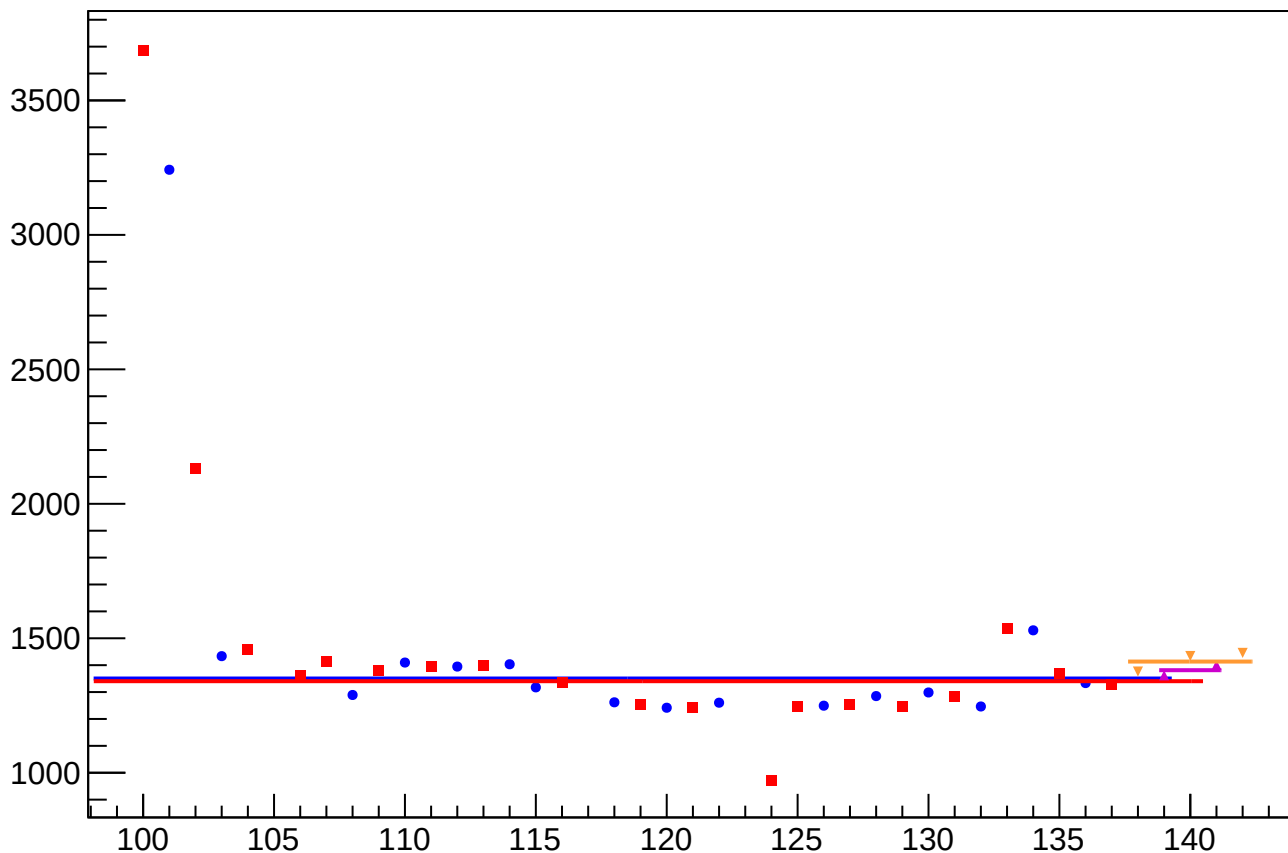
Left In: -3492.907 $\pm$ 1050.422 χ^2/NDF : 0.0/1

+ sign 2555.840 $\pm$ 453.882 χ^2/NDF : 13.3/18

All: 109.327 $\pm$ 321.352 χ^2/NDF : 94.0/39

- sign -2349.702 $\pm$ 455.041 χ^2/NDF : 22.4/20

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369 $\pm$ 0.362 χ^2 /NDF: 494051.1/15

Left Out: 1413.422 $\pm$ 0.696 χ^2 /NDF:1922.9/2

Right Out: 1340.429 $\pm$ 0.357 χ^2 /NDF: 272183.5/18

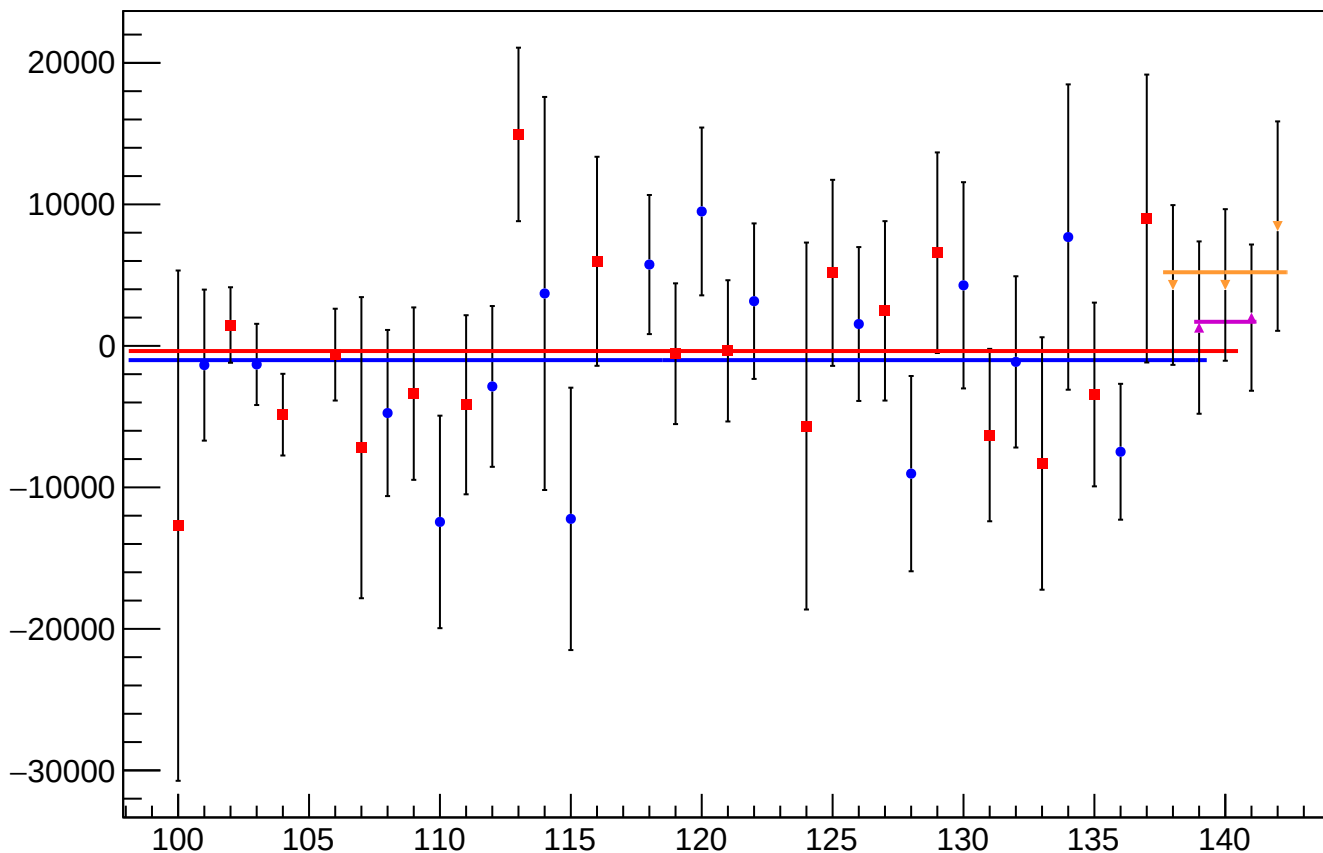
Left In: 1381.333 $\pm$ 0.743 χ^2 /NDF:664.4/1

+ sign 1363.776 $\pm$ 0.321 χ^2 /NDF: 502435.9/18

All: 1355.953 $\pm$ 0.227 χ^2 /NDF: 778938.9/39

- sign 1348.097 $\pm$ 0.322 χ^2 /NDF: 275312.1/20

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug



Right In: -1006.752 $\pm$ 1404.458 χ^2 /NDF: 14.6/15

Left Out: 5203.885 $\pm$ 3440.305 χ^2 /NDF: 0.2/2

Right Out: -364.493 $\pm$ 1202.498 χ^2 /NDF: 16.2/18

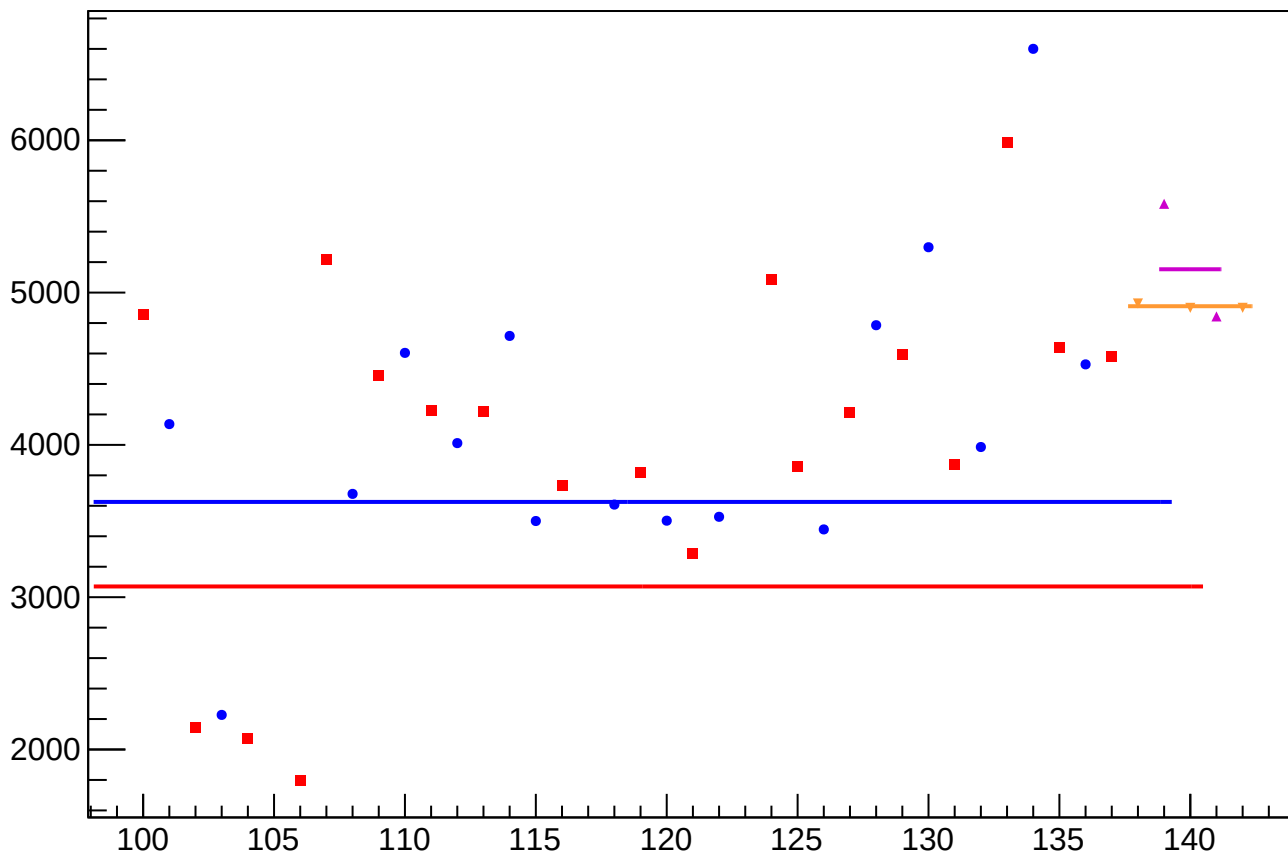
Left In: 1701.984 $\pm$ 3940.607 χ^2 /NDF: 0.0/1

+ sign -119.561 $\pm$ 1300.281 χ^2 /NDF: 17.6/18

All: -158.214 $\pm$ 861.486 χ^2 /NDF: 34.1/39

- sign -188.456 $\pm$ 1150.140 χ^2 /NDF: 16.5/20

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 3625.512+/-0.993 χ^2/NDF : 944905.4/15

Left Out: 4910.480+/-2.433 χ^2/NDF : 32.7/2

Right Out: 3070.442+/-0.850 χ^2/NDF : 1838659.1/18

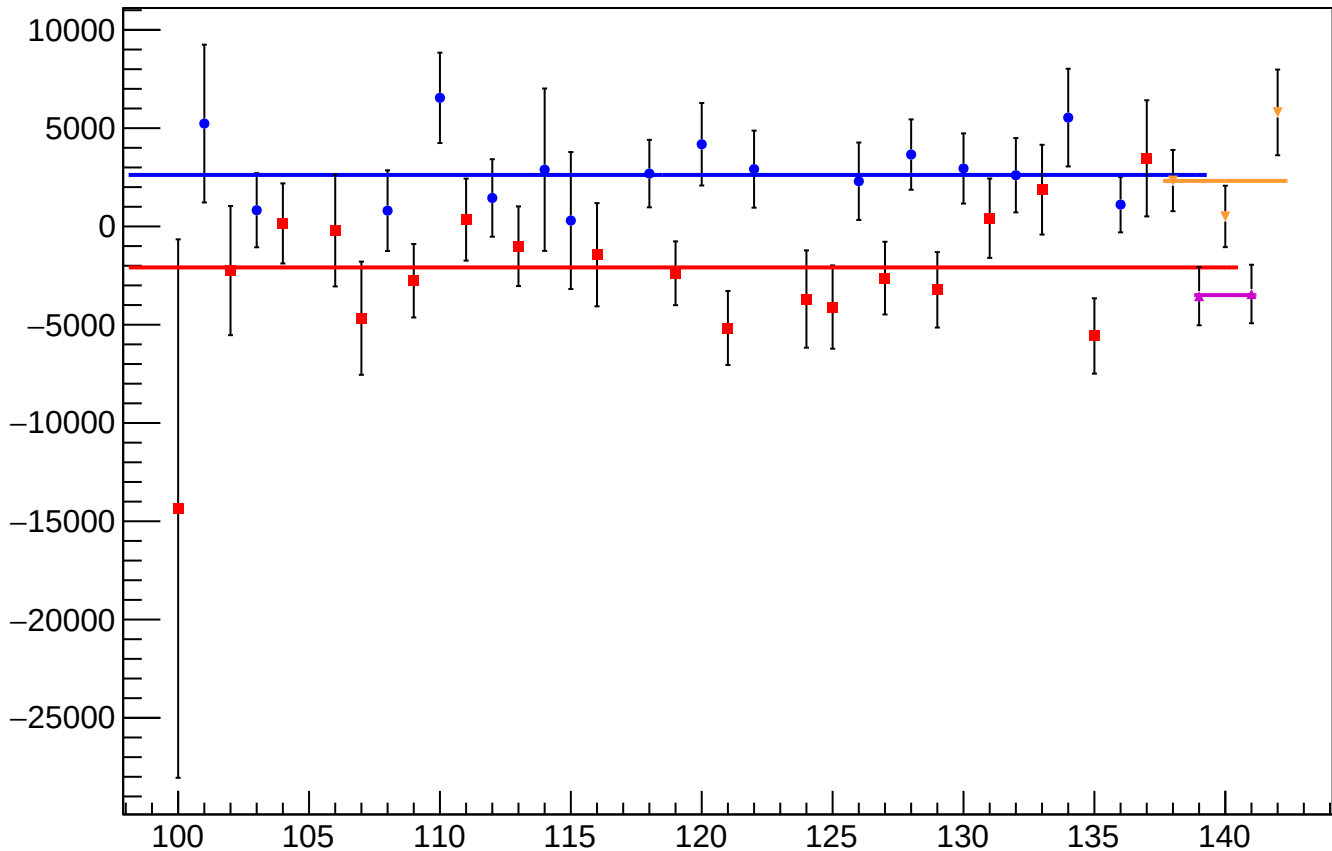
Left In: 5153.116+/-2.786 χ^2/NDF : 17142.5/1

+ sign 3809.070+/-0.919 χ^2/NDF : 1184092.3/18

All: 3494.207+/-0.609 χ^2/NDF : 3759988.4/39

- sign 3247.859+/-0.813 χ^2/NDF : 2366869.0/20

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: 2316.293 $\pm$ 984.300 χ^2 /NDF:3.9/2

Right Out: -2085.608 $\pm$ 504.873 χ^2 /NDF: 20.9/18

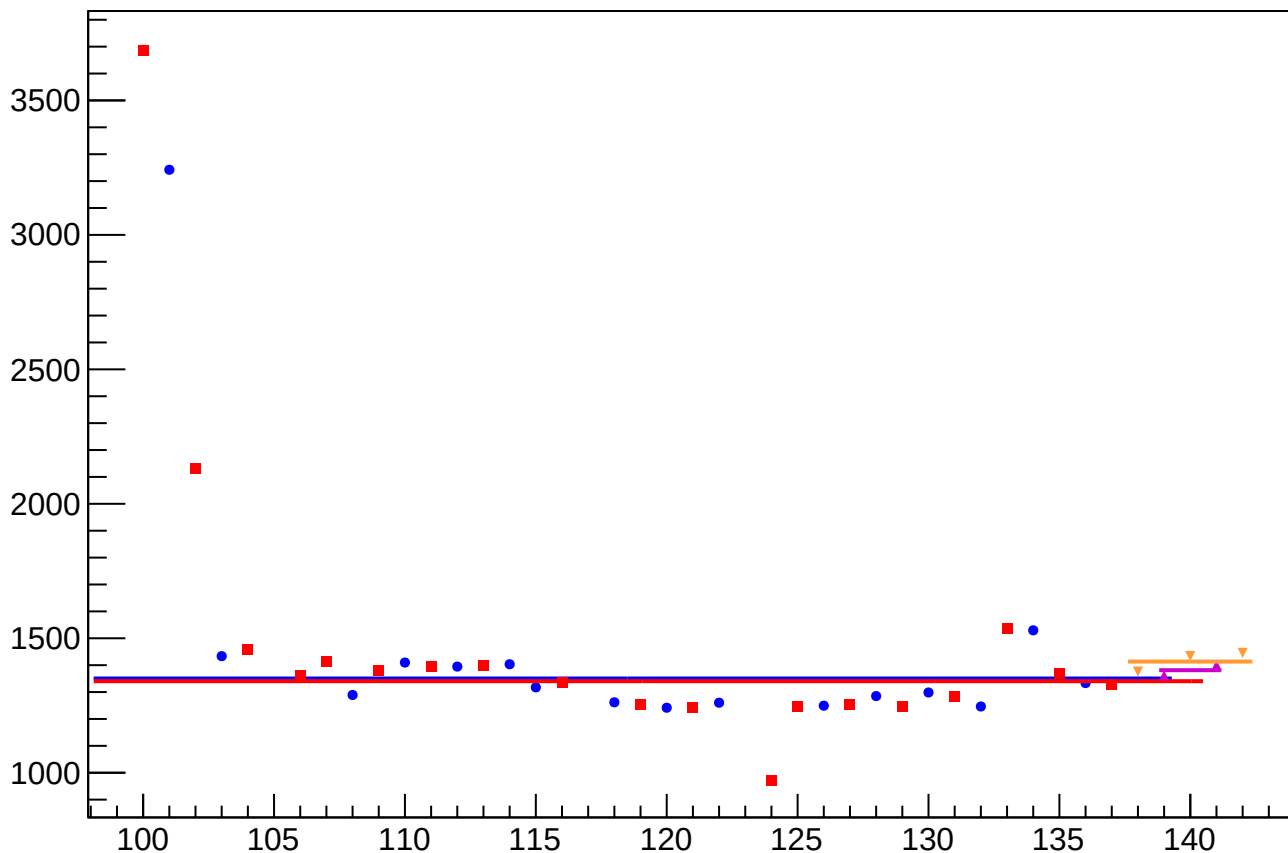
Left In: -3492.892 $\pm$ 1050.423 χ^2 /NDF:0.0/1

+ sign 2555.843 $\pm$ 453.882 χ^2 /NDF: 13.3/18

All: 109.329 $\pm$ 321.352 χ^2 /NDF: 94.0/39

- sign -2349.700 $\pm$ 455.041 χ^2 /NDF: 22.4/20

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: 1413.423+/-0.696 χ^2/NDF : 1922.9/2

Right Out: 1340.428+/-0.357 χ^2/NDF : 272182.5/18

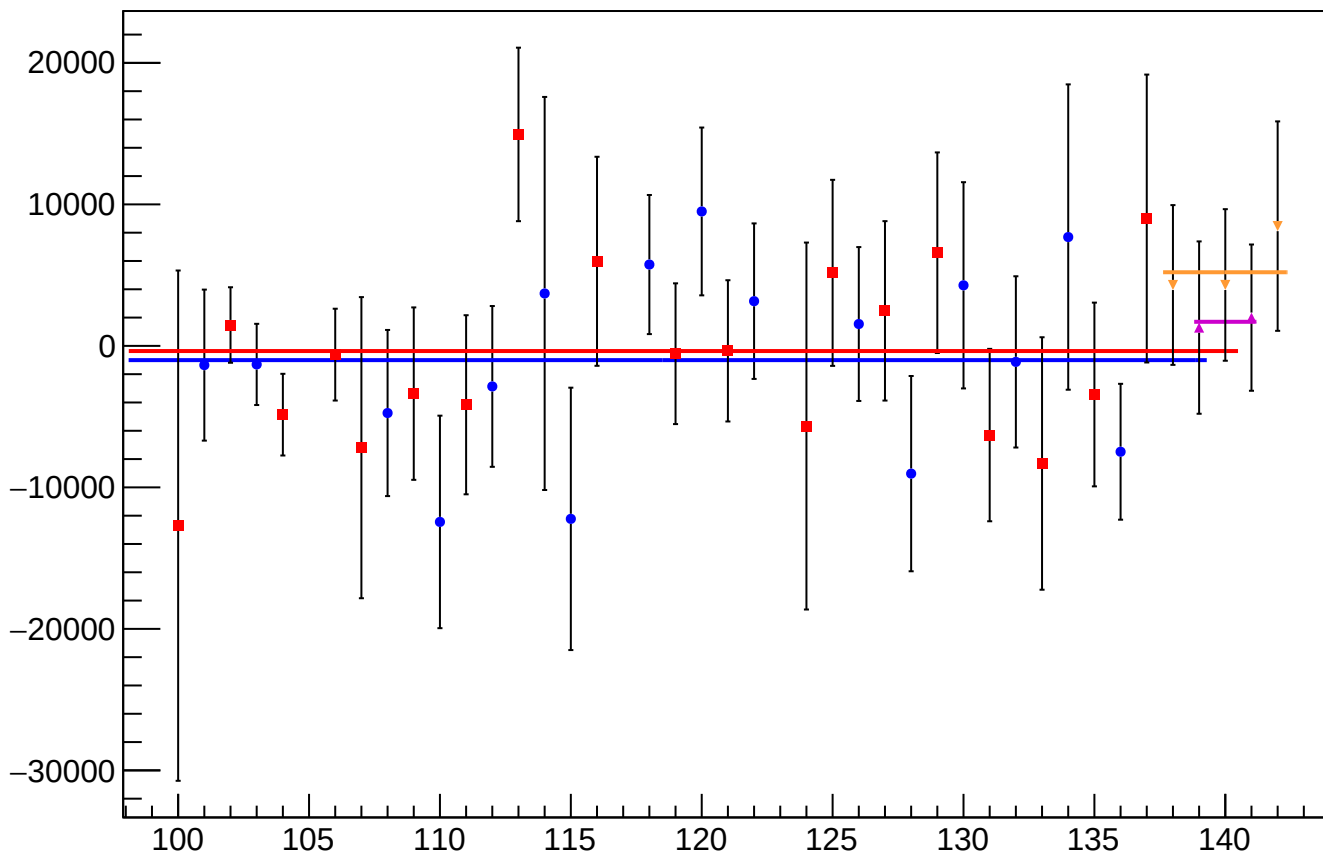
Left In: 1381.334+/-0.743 χ^2/NDF : 664.3/1

+ sign 1363.776+/-0.321 χ^2/NDF : 502436.3/18

All: 1355.952+/-0.227 χ^2/NDF : 778938.5/39

- sign 1348.097+/-0.322 χ^2/NDF : 275311.3/20

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1006.742 $\pm$ 1404.455 χ^2 /NDF: 14.6/15

Left Out: 5203.901 $\pm$ 3440.310 χ^2 /NDF: 0.2/2

Right Out: -364.495 $\pm$ 1202.495 χ^2 /NDF: 16.2/18

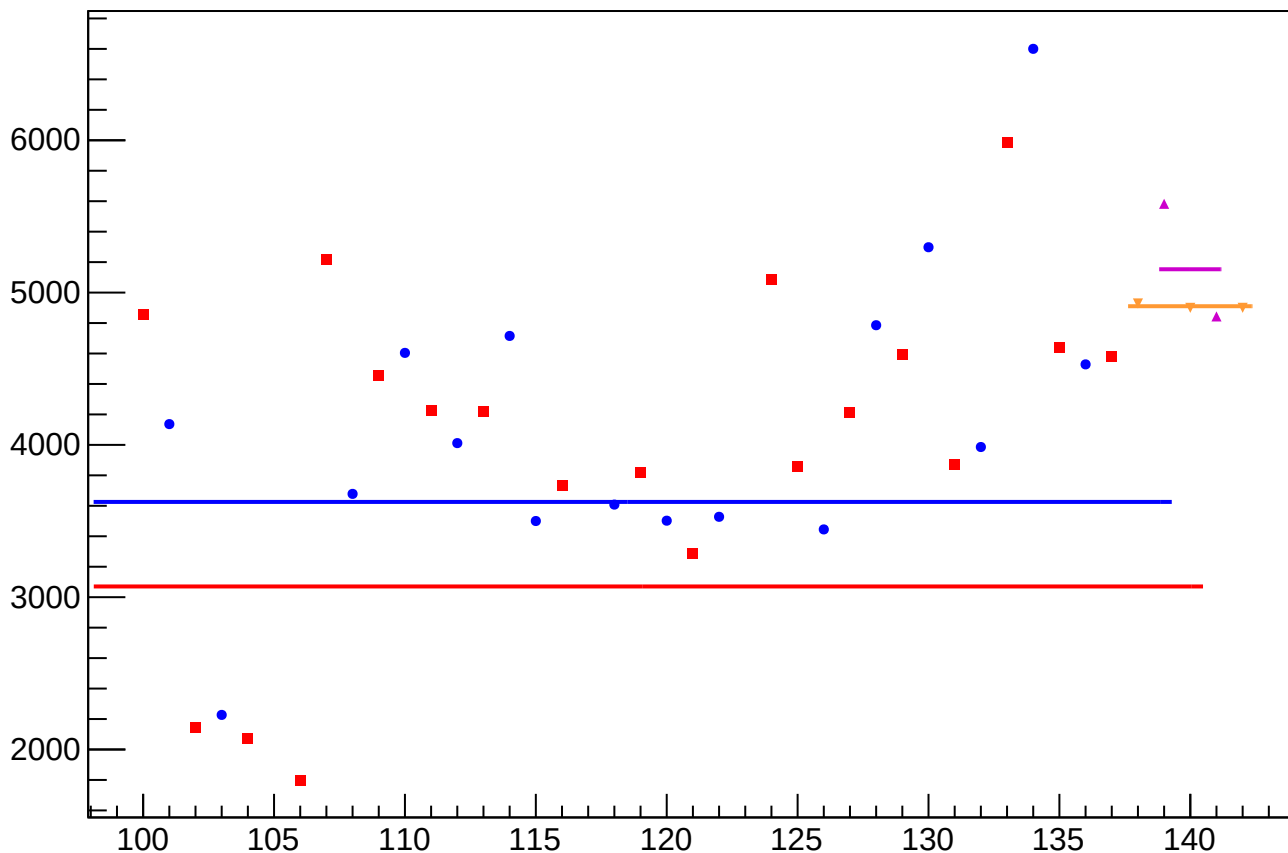
Left In: 1701.996 $\pm$ 3940.613 χ^2 /NDF: 0.0/1

+ sign -119.557 $\pm$ 1300.279 χ^2 /NDF: 17.6/18

All: -158.213 $\pm$ 861.485 χ^2 /NDF: 34.1/39

- sign -188.457 $\pm$ 1150.137 χ^2 /NDF: 16.5/20

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: 4910.488+/-2.433 χ^2/NDF : 32.7/2

Right Out: 3070.434+/-0.850 χ^2/NDF : 1838662.0/18

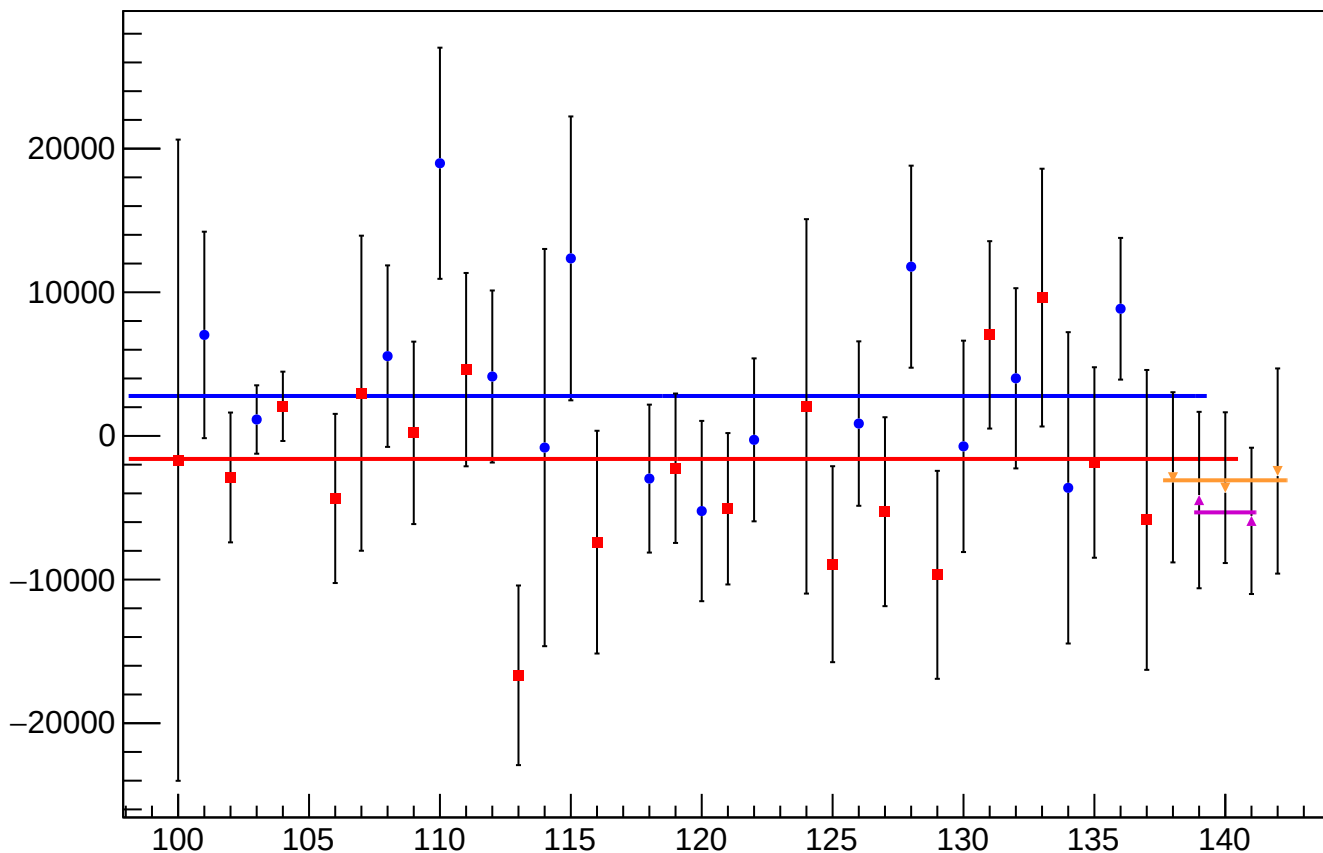
Left In: 5153.123+/-2.786 χ^2/NDF : 17143.0/1

+ sign 3809.062+/-0.919 χ^2/NDF : 1184100.2/18

All: 3494.199+/-0.609 χ^2/NDF : 3760007.7/39

- sign 3247.851+/-0.813 χ^2/NDF : 2366879.0/20

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878 $\pm$ 1389.439 χ^2 /NDF: 13.2/15

Left Out: -3089.213 $\pm$ 3441.879 χ^2 /NDF: 0.0/2

Right Out: -1602.626 $\pm$ 1337.018 χ^2 /NDF: 16.8/18

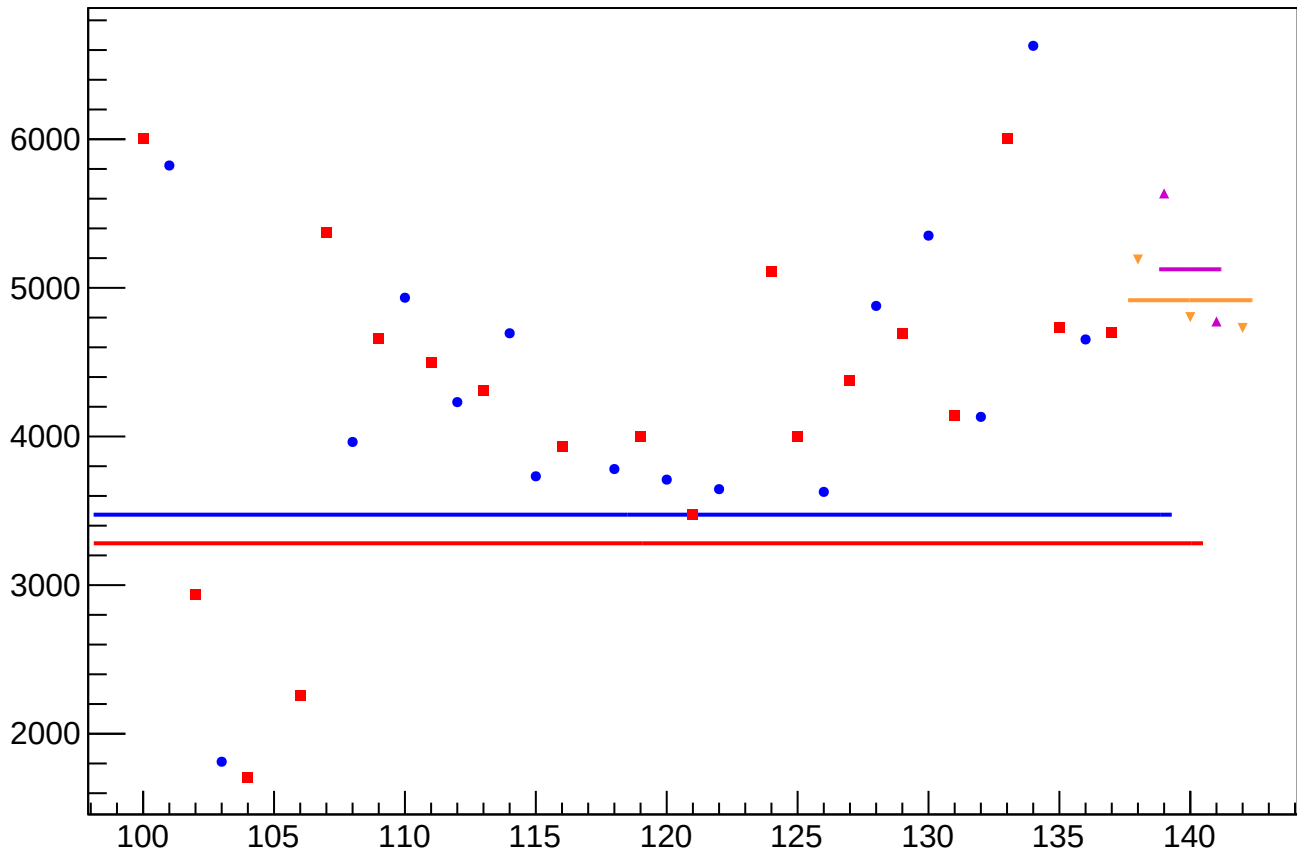
Left In: -5322.907 $\pm$ 3920.039 χ^2 /NDF: 0.0/1

+ sign 1958.319 $\pm$ 1288.418 χ^2 /NDF: 15.7/18

All: -51.522 $\pm$ 902.815 χ^2 /NDF: 38.1/39

- sign -1990.309 $\pm$ 1265.438 χ^2 /NDF: 17.6/20

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898 $\pm$ 0.982 χ^2 /NDF: 1843964.2/15

Left Out: 4916.858 $\pm$ 2.434 χ^2 /NDF: 6575.4/2

Right Out: 3281.478 $\pm$ 0.932 χ^2 /NDF: 1875493.9/18

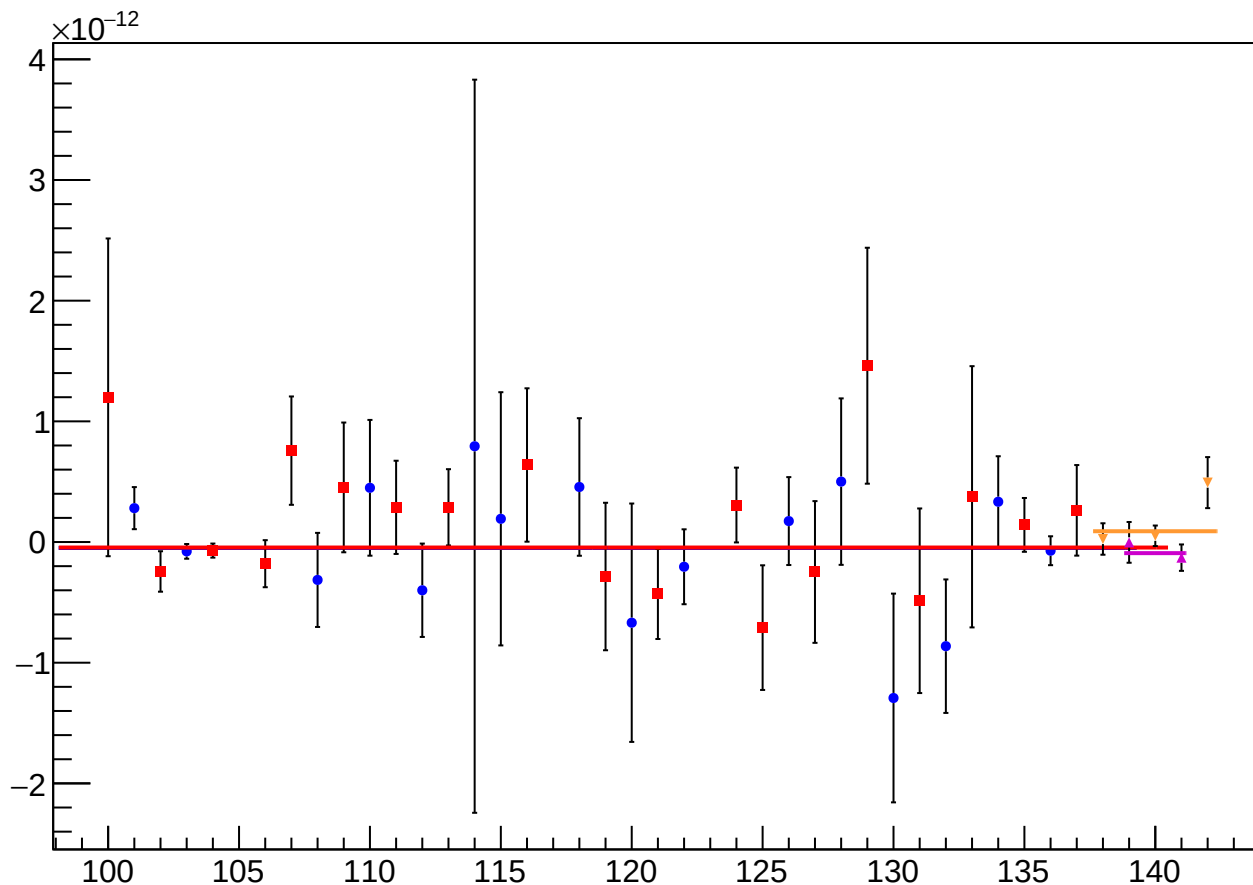
Left In: 5124.951 $\pm$ 2.772 χ^2 /NDF: 23322.9/1

+ sign 3676.093 $\pm$ 0.911 χ^2 /NDF: 2152801.1/18

All: 3569.354 $\pm$ 0.634 χ^2 /NDF: 4475601.9/39

- sign 3468.898 $\pm$ 0.884 χ^2 /NDF: 2296155.1/20

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: 4.1/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.5/18

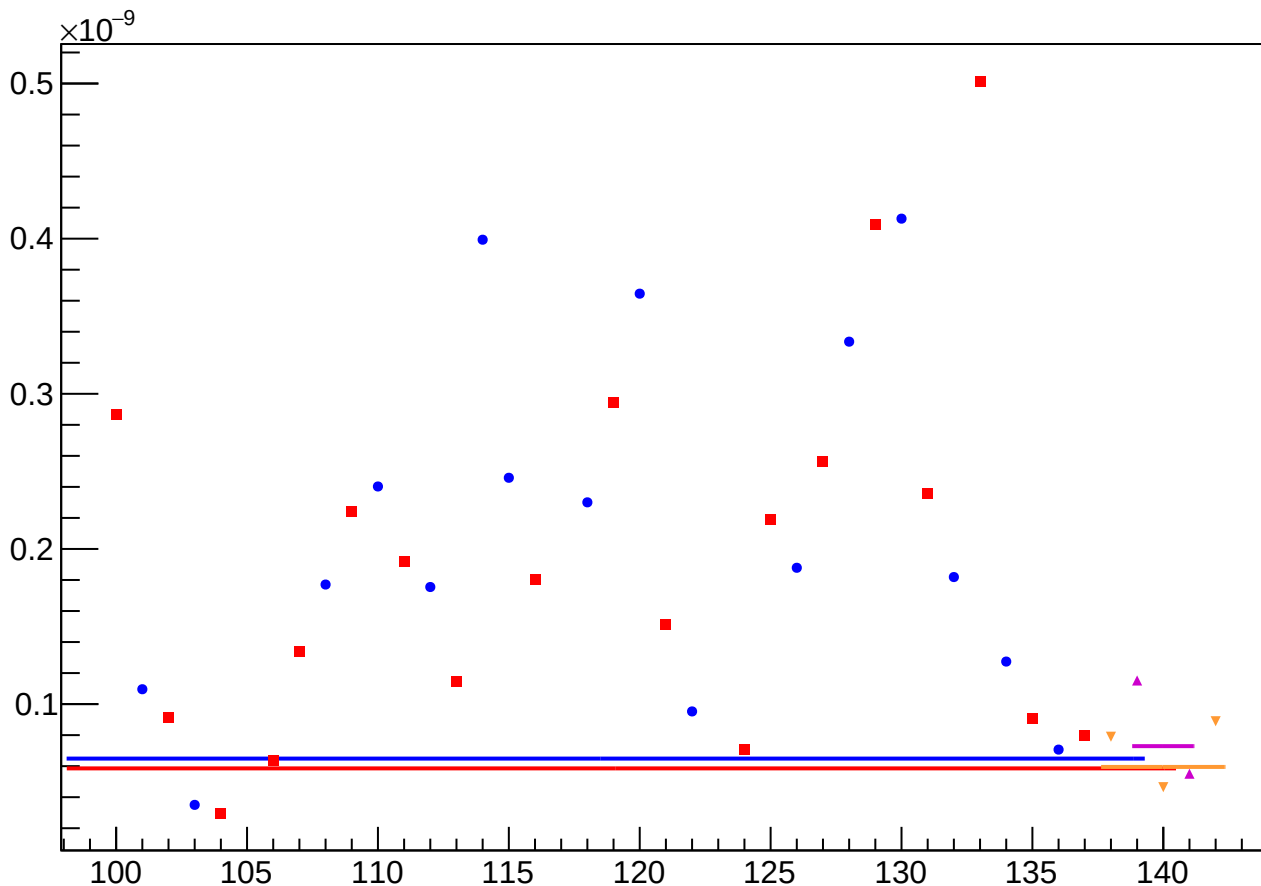
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/20

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF :130561.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2855105.2/18

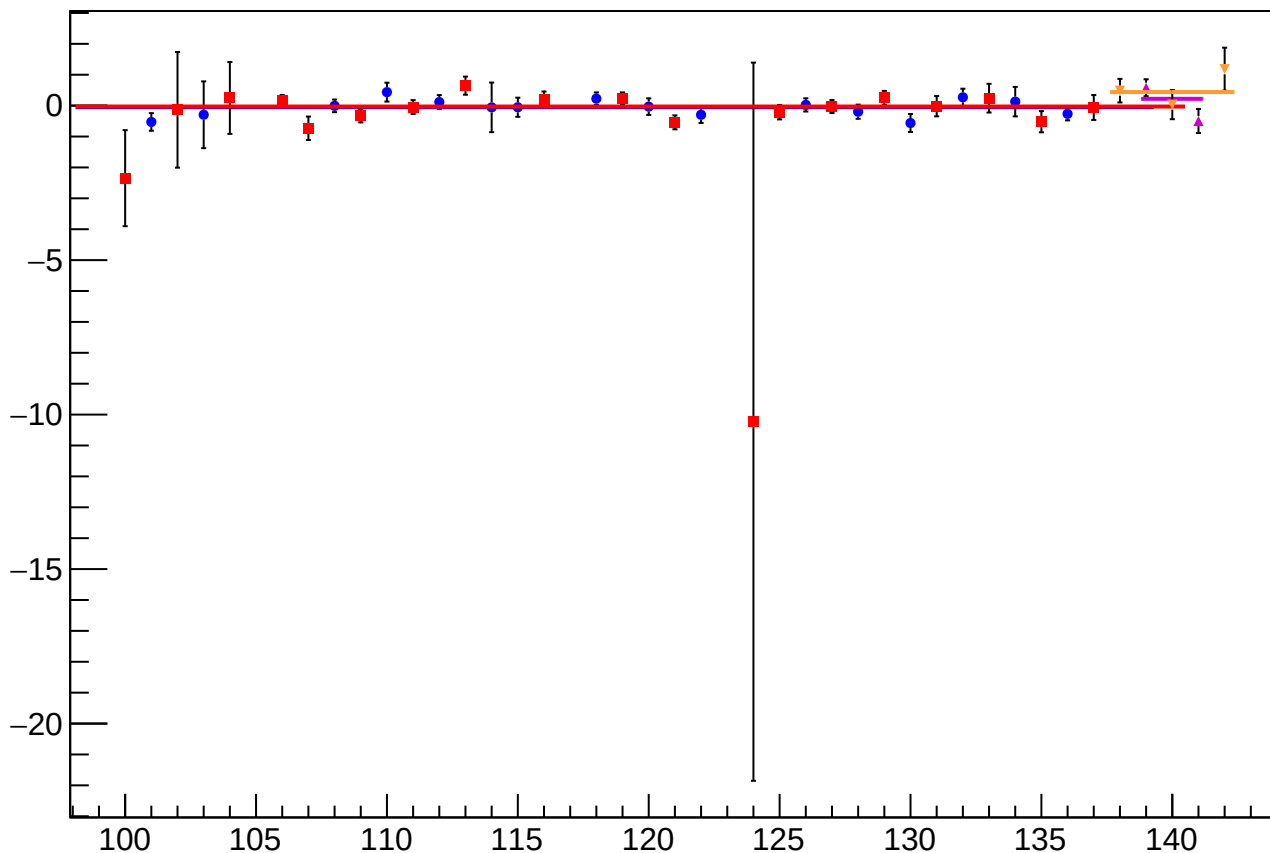
Left In: 0.000+/-0.000 χ^2/NDF :178274.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 2731853.5/18

All: 0.000+/-0.000 χ^2/NDF : 5804950.4/39

- sign 0.000+/-0.000 χ^2/NDF : 3071833.9/20

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: 0.440 ± 0.273 χ^2/NDF : 1.9/2

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

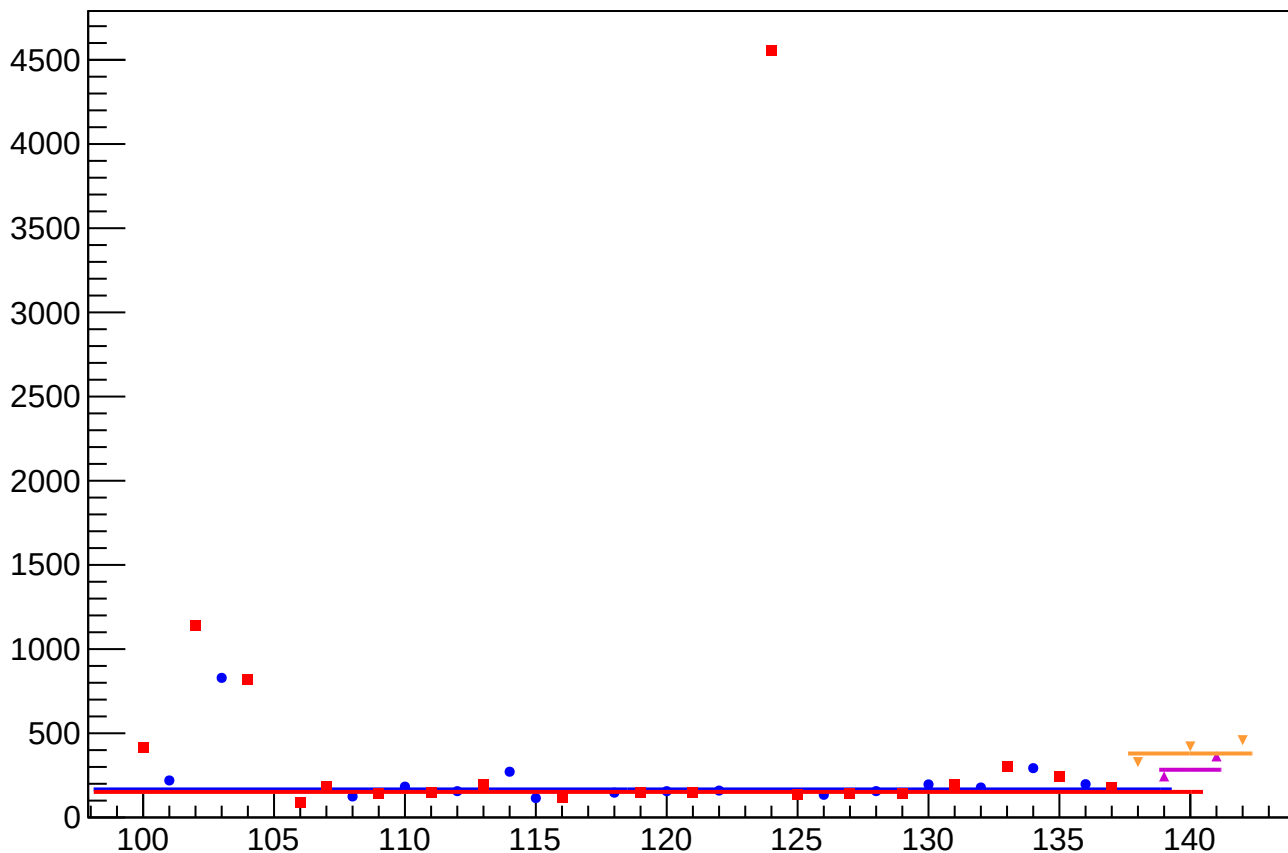
Left In: 0.221 ± 0.225 χ^2/NDF : 5.1/1

+ sign -0.023 ± 0.065 χ^2/NDF : 19.8/18

All: -0.017 ± 0.045 χ^2/NDF : 53.6/39

- sign -0.010 ± 0.062 χ^2/NDF : 33.8/20

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: 379.851 $\pm$ 0.193 χ^2 /NDF: 77598.2/2

Right Out: 151.791 $\pm$ 0.045 χ^2 /NDF: 2315638.8/18

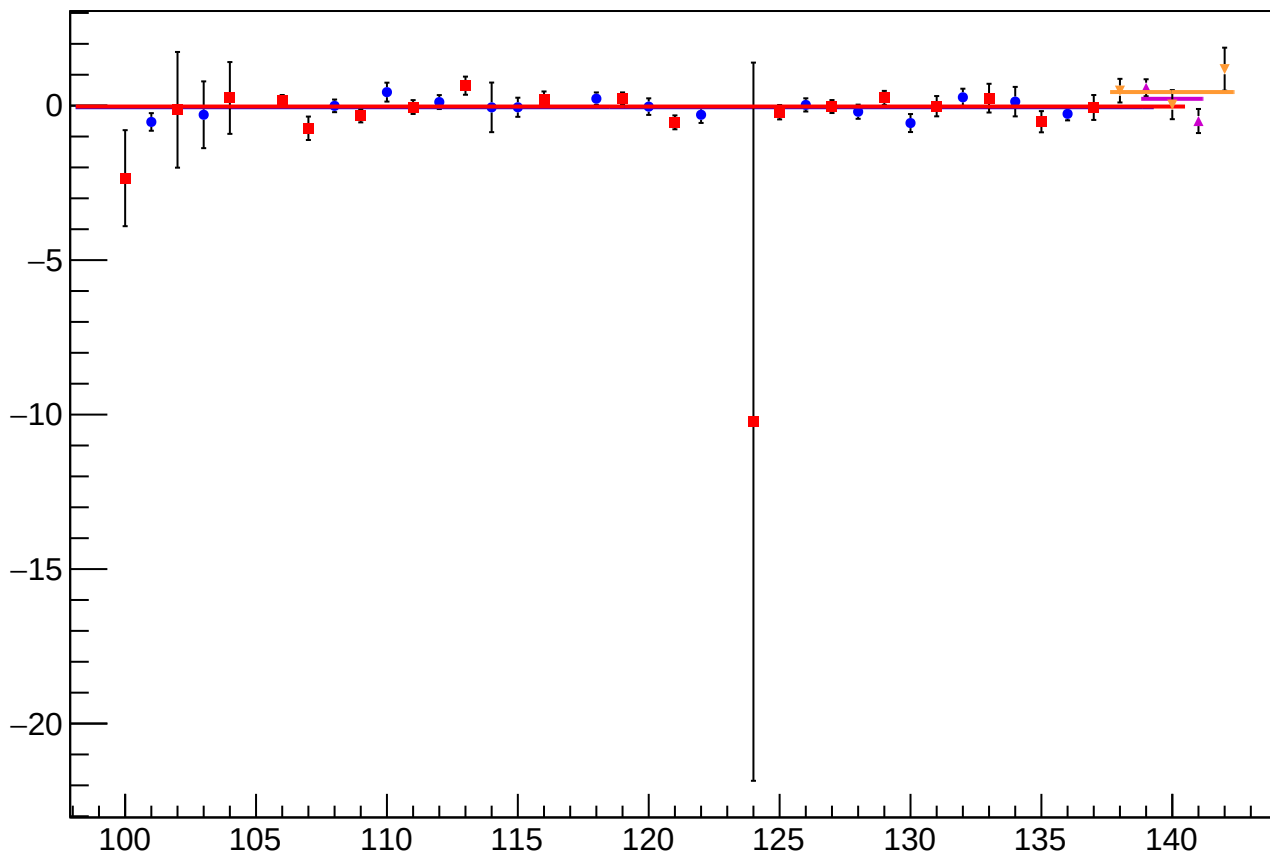
Left In: 283.374 $\pm$ 0.159 χ^2 /NDF: 124396.6/1

+ sign 178.395 $\pm$ 0.046 χ^2 /NDF: 2514425.2/18

All: 169.600 $\pm$ 0.032 χ^2 /NDF: 5658339.0/39

- sign 161.663 $\pm$ 0.044 χ^2 /NDF: 3073861.8/20

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: 0.440 ± 0.273 χ^2/NDF : 1.9/2

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

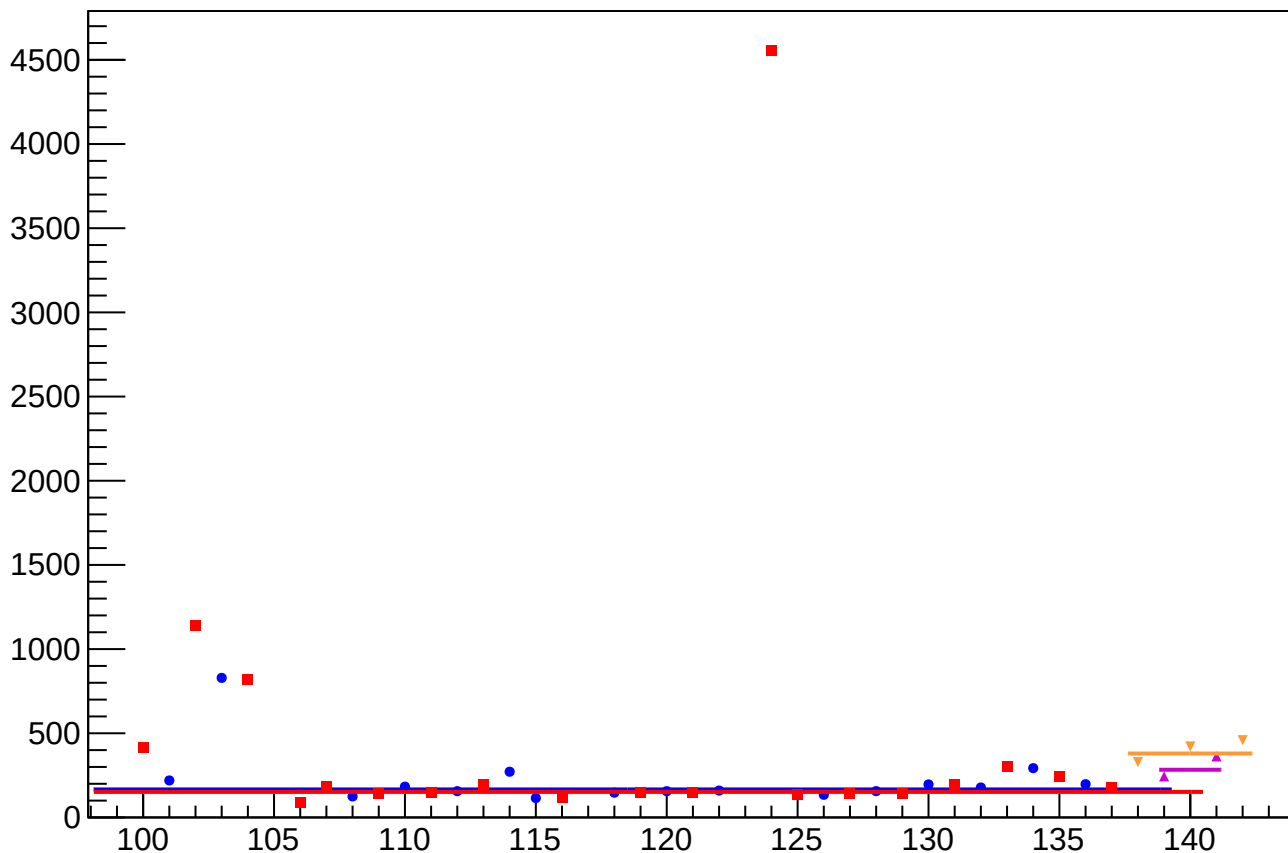
Left In: 0.221 ± 0.225 χ^2/NDF : 5.1/1

+ sign -0.023 ± 0.065 χ^2/NDF : 19.8/18

All: -0.017 ± 0.045 χ^2/NDF : 53.6/39

- sign -0.010 ± 0.062 χ^2/NDF : 33.8/20

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: 379.851 $\pm$ 0.193 χ^2 /NDF: 77598.2/2

Right Out: 151.791 $\pm$ 0.045 χ^2 /NDF: 2315638.8/18

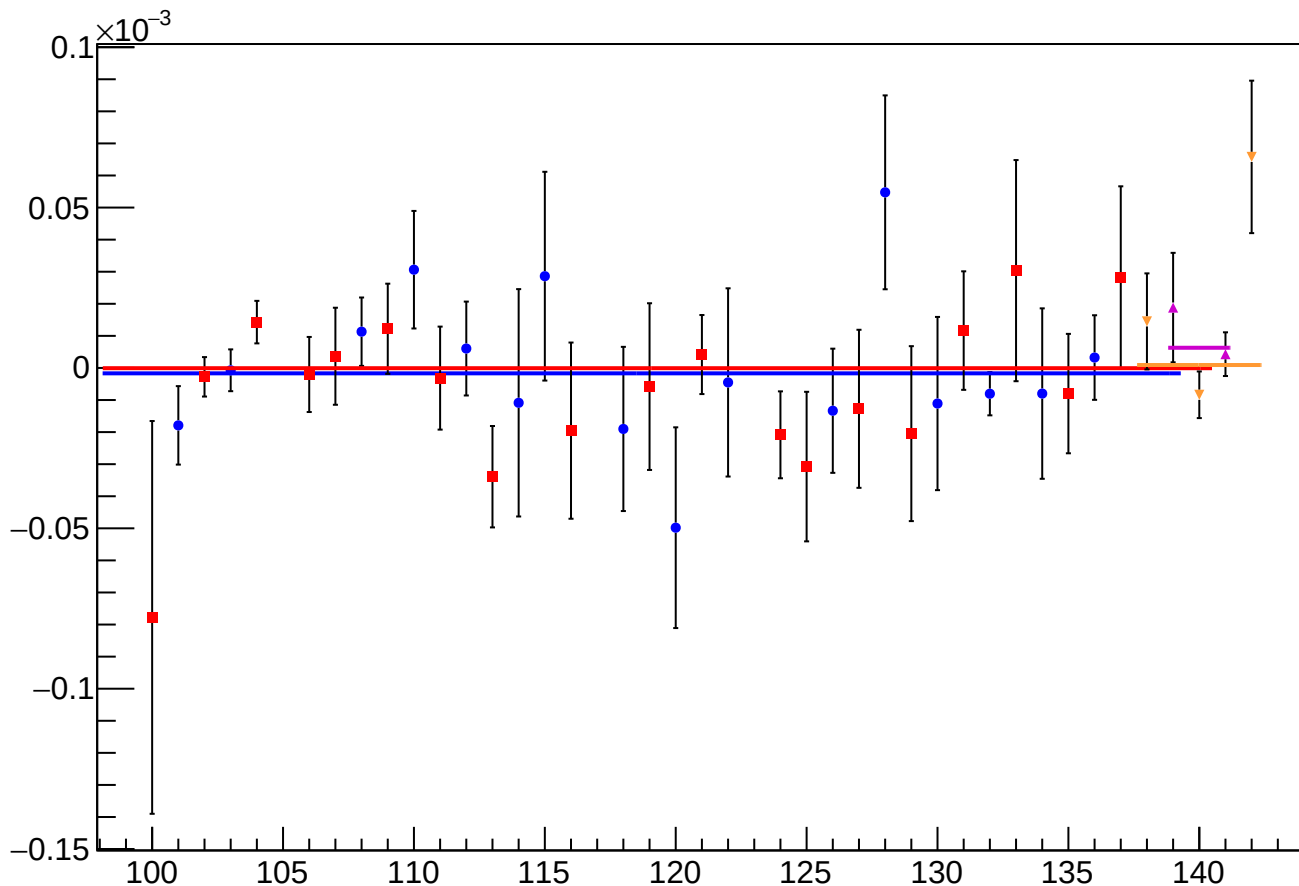
Left In: 283.374 $\pm$ 0.159 χ^2 /NDF: 124396.6/1

+ sign 178.395 $\pm$ 0.046 χ^2 /NDF: 2514425.2/18

All: 169.600 $\pm$ 0.032 χ^2 /NDF: 5658339.0/39

- sign 161.663 $\pm$ 0.044 χ^2 /NDF: 3073861.8/20

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 : 9.9/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.9/18

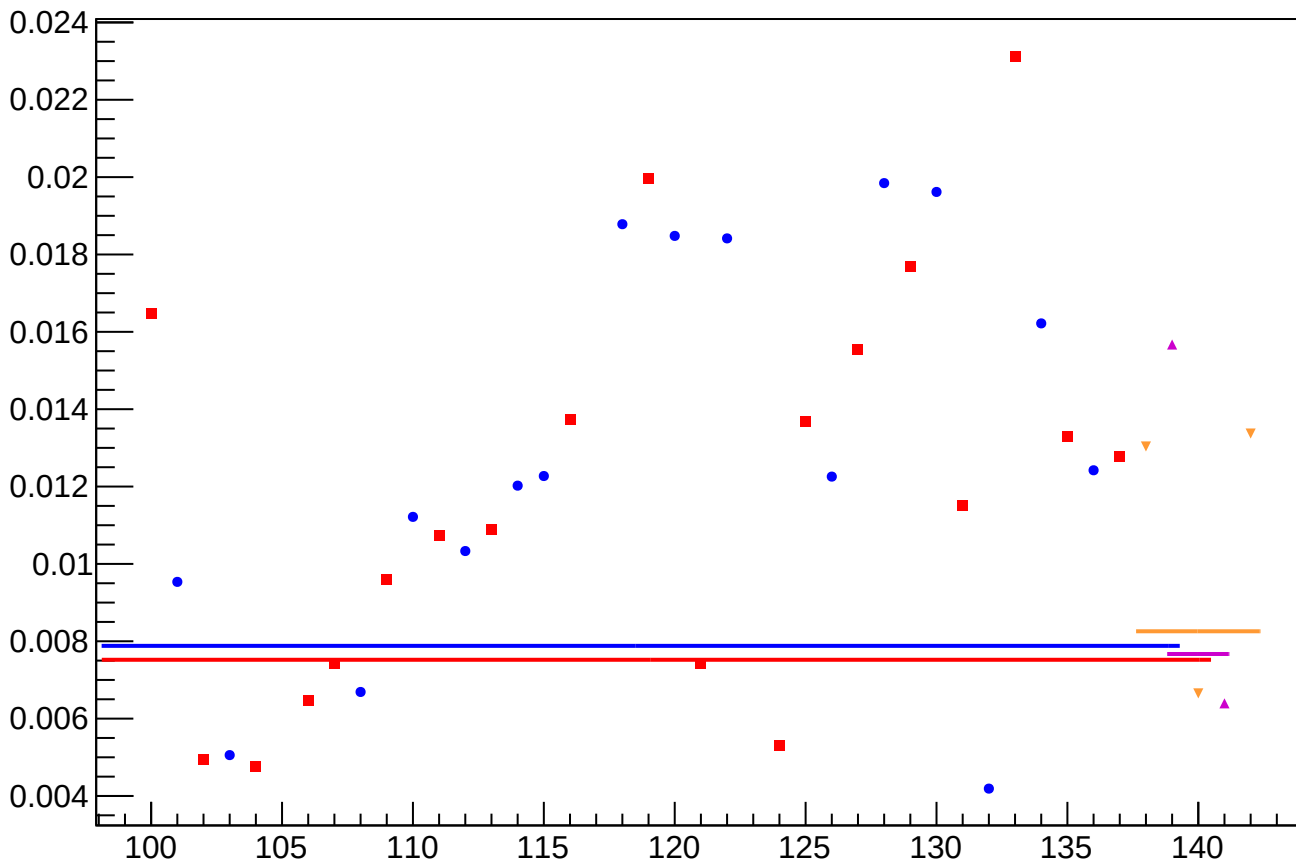
Left In: 0.000 ± 0.000 χ^2/NDF : 0.6/1

+ sign -0.000 ± 0.000 χ^2/NDF : 25.5/18

All: 0.000 ± 0.000 χ^2/NDF : 47.2/39

- sign 0.000 ± 0.000 χ^2/NDF : 21.3/20

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 3301734.3/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:393949.4/2

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2975331.6/18

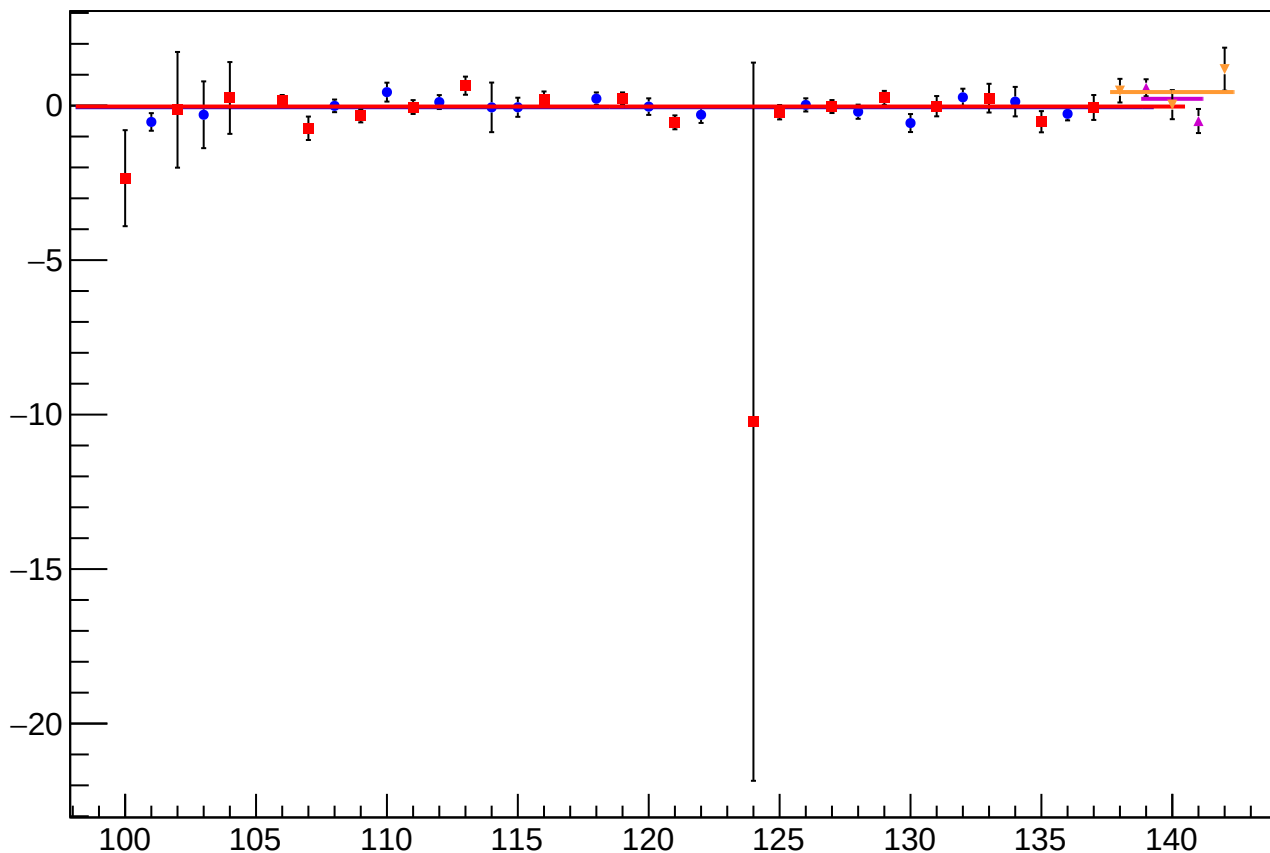
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:510064.9/1

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3701217.7/18

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 7207985.5/39

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3486292.7/20

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: 0.440 ± 0.273 χ^2/NDF : 1.9/2

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

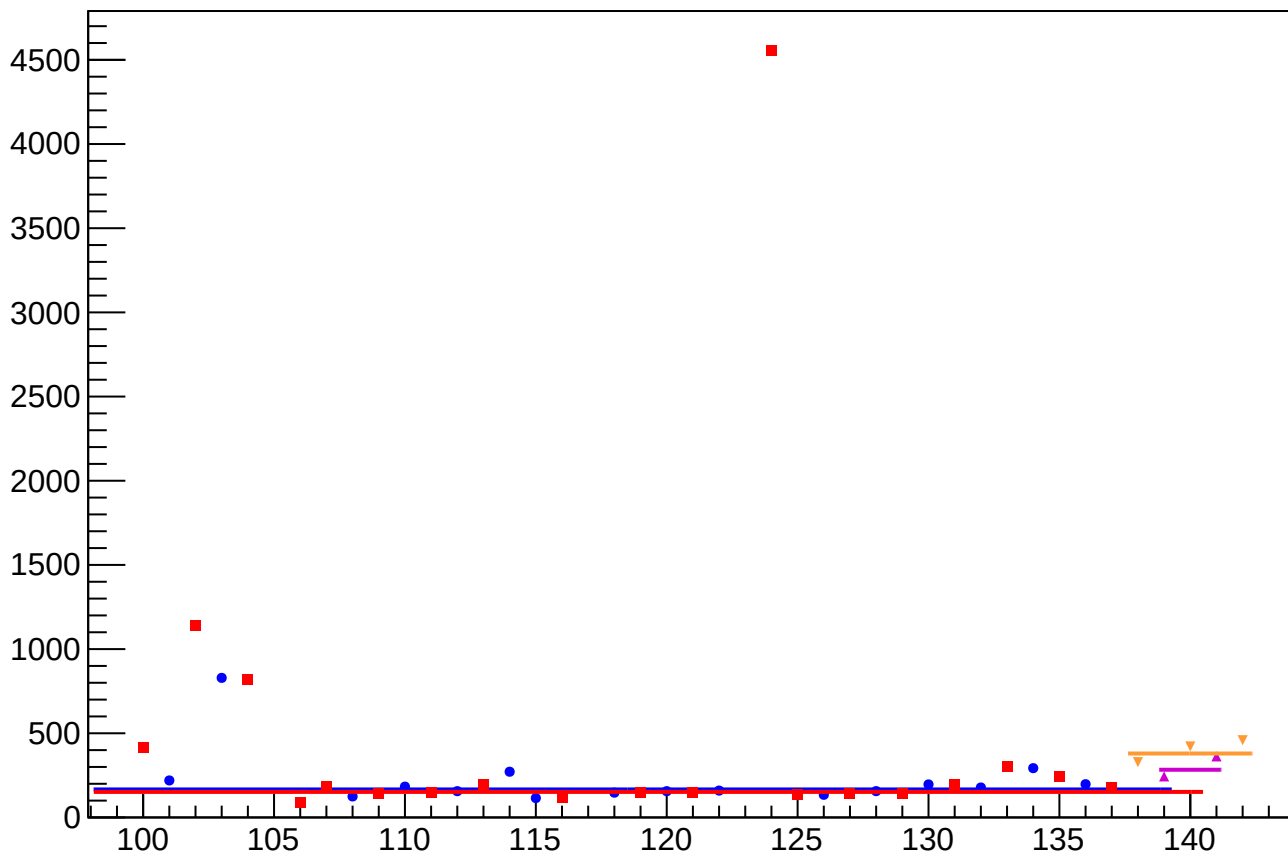
Left In: 0.221 ± 0.225 χ^2/NDF : 5.1/1

+ sign -0.023 ± 0.065 χ^2/NDF : 19.8/18

All: -0.017 ± 0.045 χ^2/NDF : 53.6/39

- sign -0.010 ± 0.062 χ^2/NDF : 33.8/20

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 166.359+/-0.047 χ^2/NDF : 1282724.2/15

Left Out: 379.854+/-0.193 χ^2/NDF : 77598.1/2

Right Out: 151.790+/-0.045 χ^2/NDF : 2315641.8/18

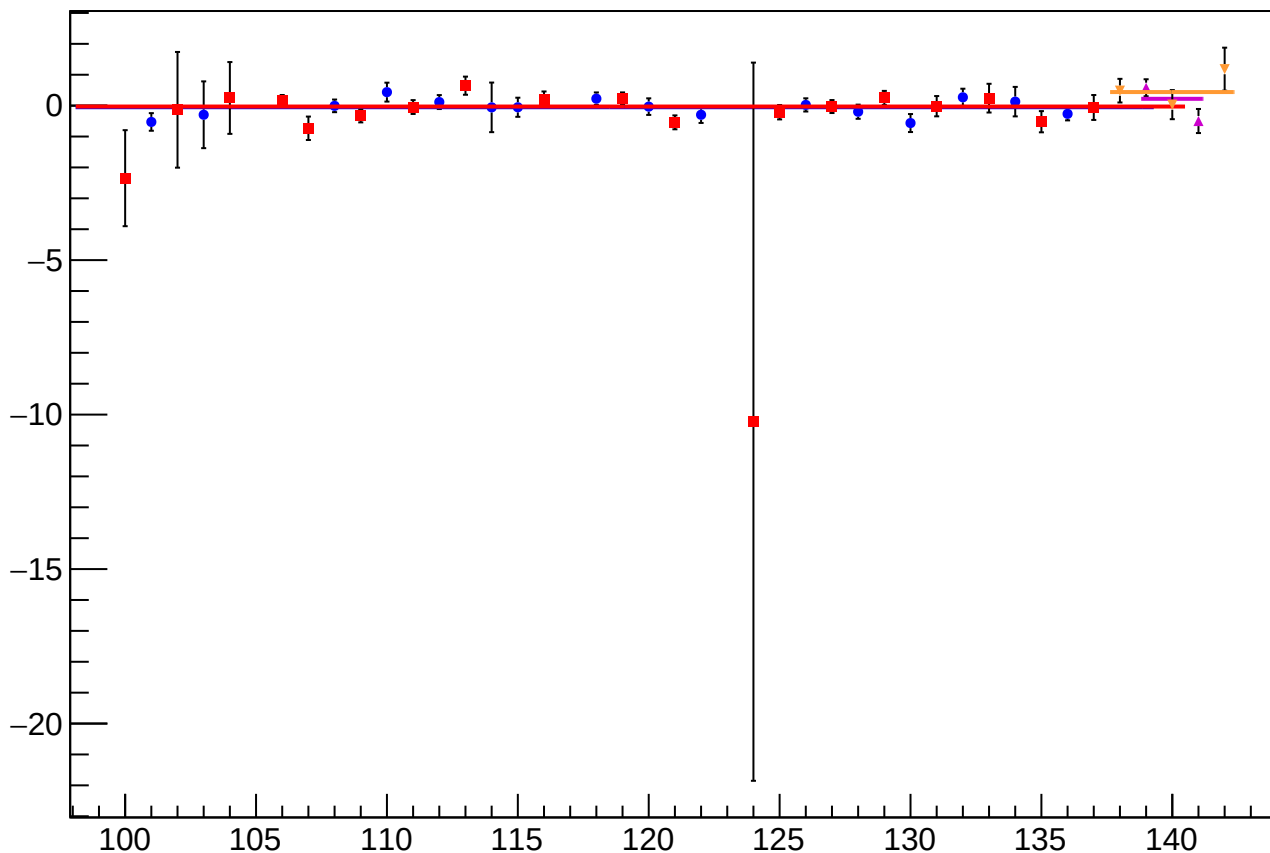
Left In: 283.379+/-0.159 χ^2/NDF : 124385.5/1

+ sign 178.394+/-0.046 χ^2/NDF : 2514447.5/18

All: 169.599+/-0.032 χ^2/NDF : 5658402.6/39

- sign 161.662+/-0.044 χ^2/NDF : 3073898.4/20

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: 0.440 ± 0.273 χ^2/NDF : 1.9/2

Right Out: -0.029 ± 0.064 χ^2/NDF : 27.5/18

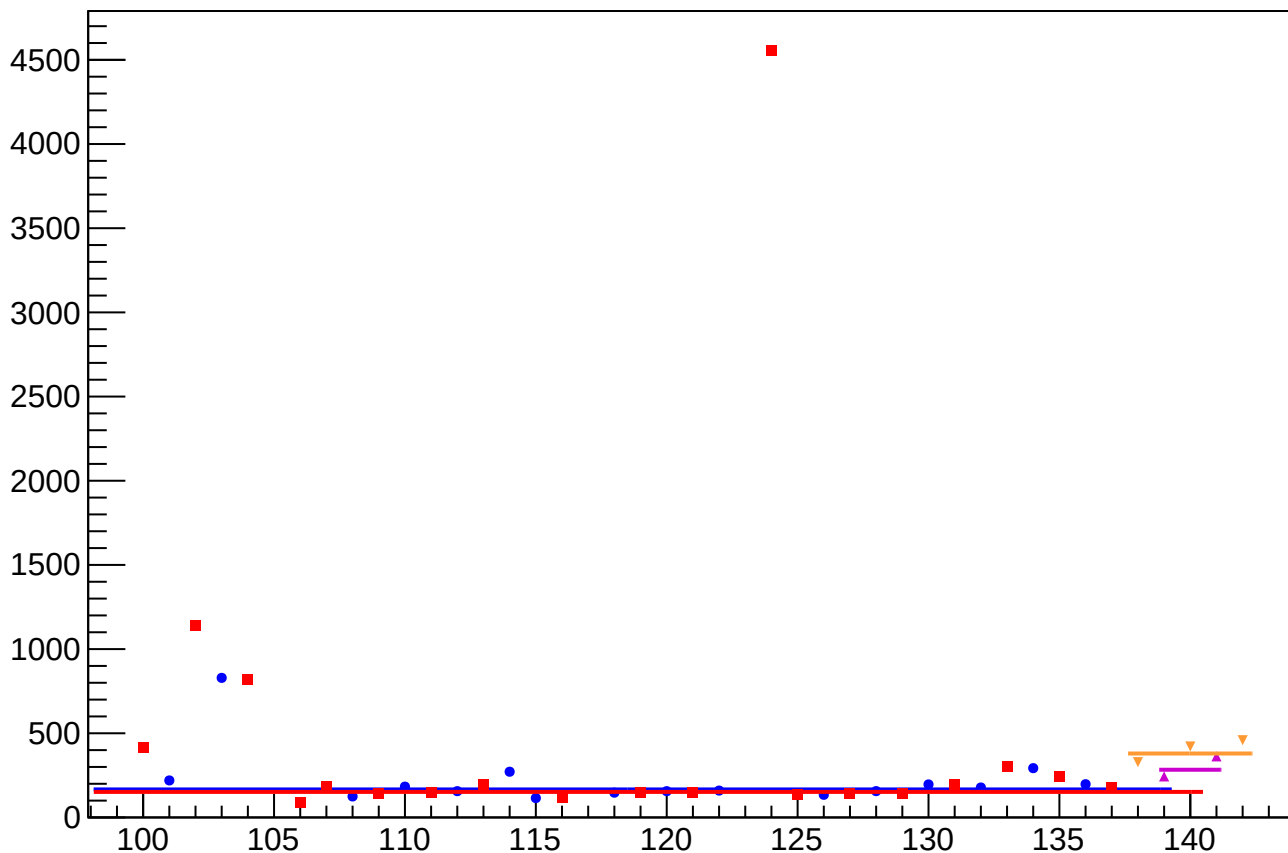
Left In: 0.221 ± 0.225 χ^2/NDF : 5.1/1

+ sign -0.023 ± 0.065 χ^2/NDF : 19.8/18

All: -0.017 ± 0.045 χ^2/NDF : 53.6/39

- sign -0.010 ± 0.062 χ^2/NDF : 33.8/20

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: 379.854+/-0.193 χ^2/NDF : 77598.1/2

Right Out: 151.790+/-0.045 χ^2/NDF : 2315641.8/18

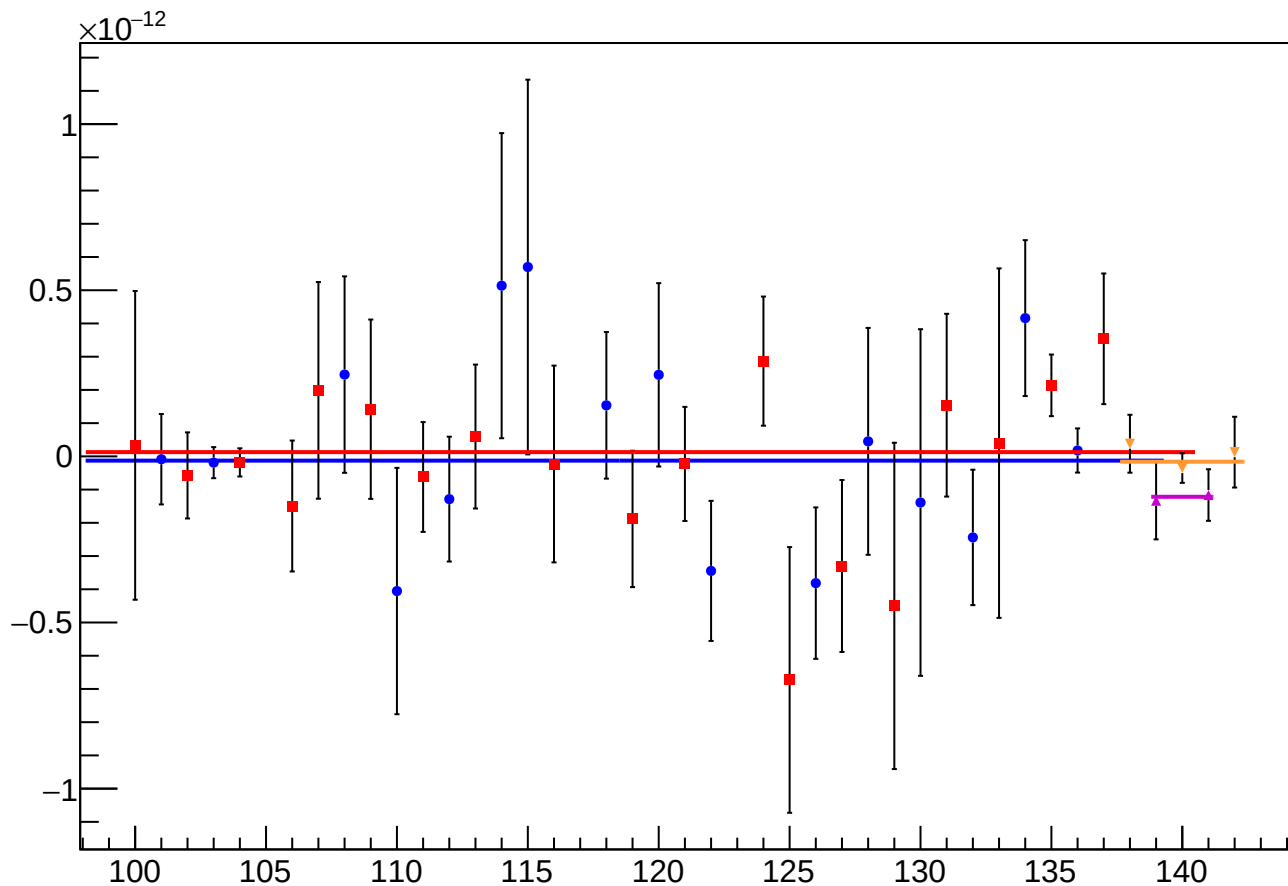
Left In: 283.379+/-0.159 χ^2/NDF : 124385.5/1

+ sign 178.394+/-0.046 χ^2/NDF : 2514447.5/18

All: 169.599+/-0.032 χ^2/NDF : 5658402.6/39

- sign 161.662+/-0.044 χ^2/NDF : 3073898.4/20

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 : 0.6/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.9/18

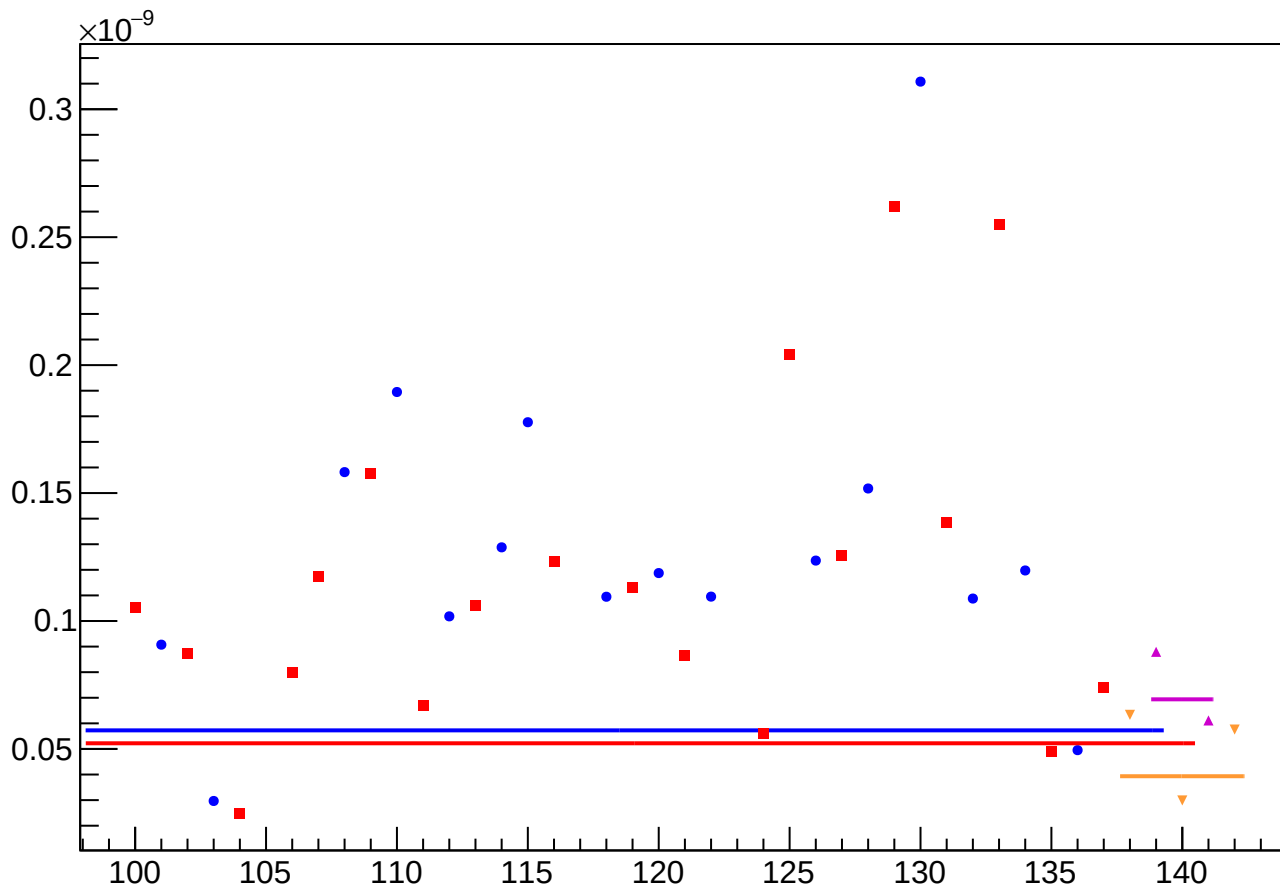
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 16.8/18

All: -0.000 ± 0.000 χ^2/NDF : 39.2/39

- sign -0.000 ± 0.000 χ^2/NDF : 22.4/20

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 300744.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3287828.4/18

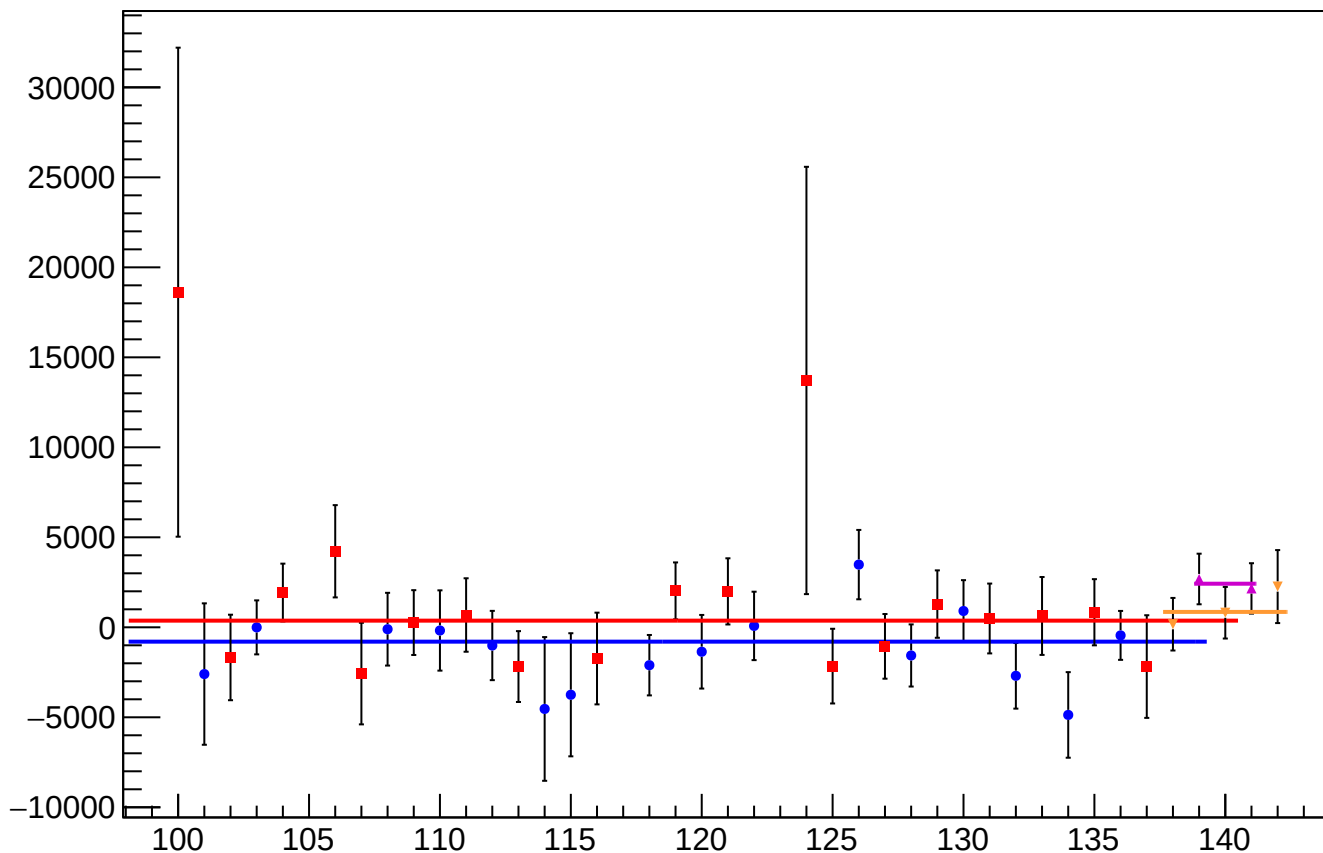
Left In: 0.000+/-0.000 χ^2/NDF : 73537.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3544629.1/18

All: 0.000+/-0.000 χ^2/NDF : 7073824.5/39

- sign 0.000+/-0.000 χ^2/NDF : 3475715.3/20

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285 ± 487.453 χ^2/NDF : 13.4/15

Left Out: 854.677 ± 913.422 χ^2/NDF : 0.7/2

Right Out: 370.010 ± 485.826 χ^2/NDF : 15.6/18

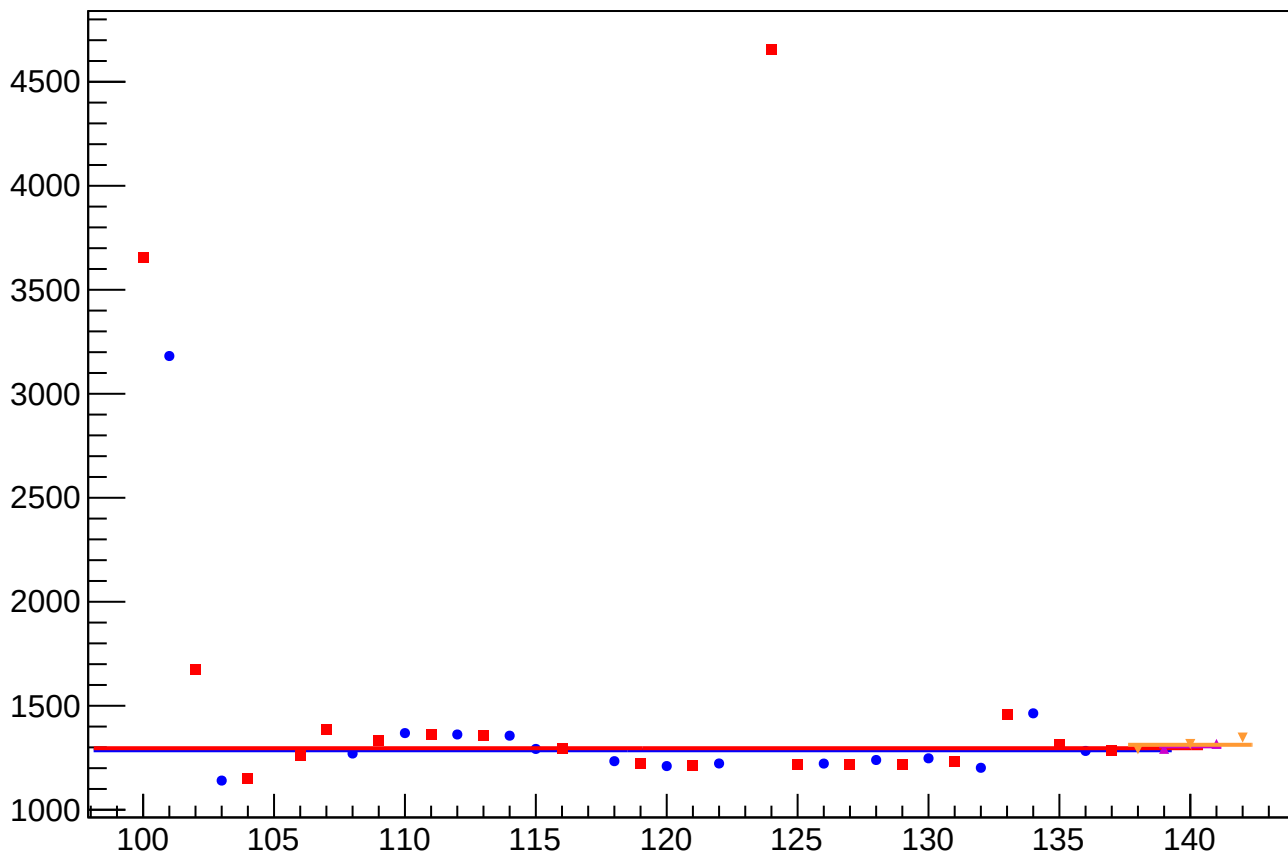
Left In: 2421.580 ± 991.779 χ^2/NDF : 0.1/1

+ sign -431.108 ± 430.048 χ^2/NDF : 16.7/18

All: 159.326 ± 306.274 χ^2/NDF : 39.6/39

- sign 767.029 ± 436.292 χ^2/NDF : 19.1/20

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: 1312.398 $\pm$ 0.646 χ^2 /NDF:1047.2/2

Right Out: 1295.943 $\pm$ 0.344 χ^2 /NDF: 328069.9/18

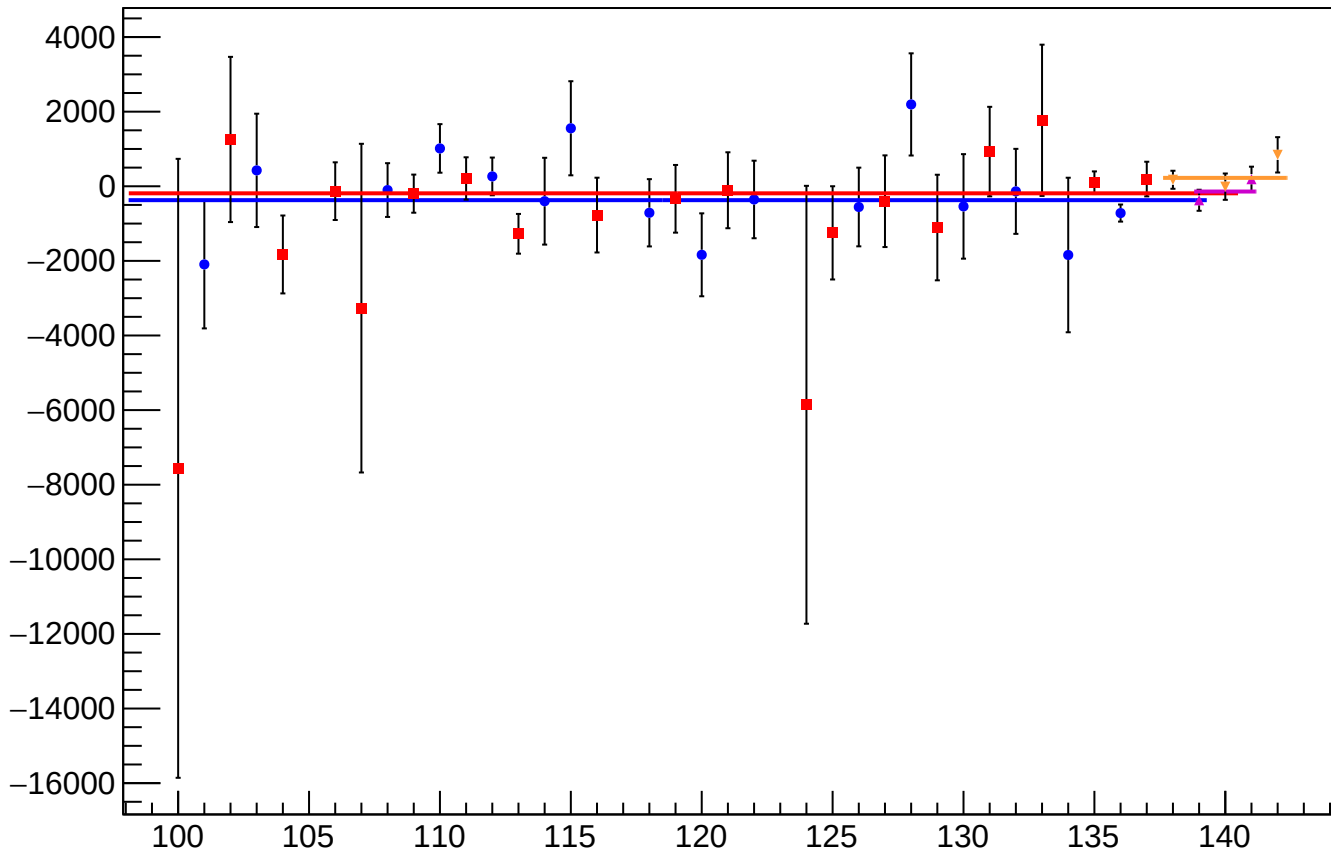
Left In: 1304.917 $\pm$ 0.701 χ^2 /NDF:288.4/1

+ sign 1291.927 $\pm$ 0.304 χ^2 /NDF: 520464.8/18

All: 1294.762 $\pm$ 0.217 χ^2 /NDF: 849131.5/39

- sign 1297.679 $\pm$ 0.309 χ^2 /NDF: 328490.4/20

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: 224.797 ± 183.691 χ^2/NDF : 2.2/2

Right Out: -188.945 ± 169.575 χ^2/NDF : 14.6/18

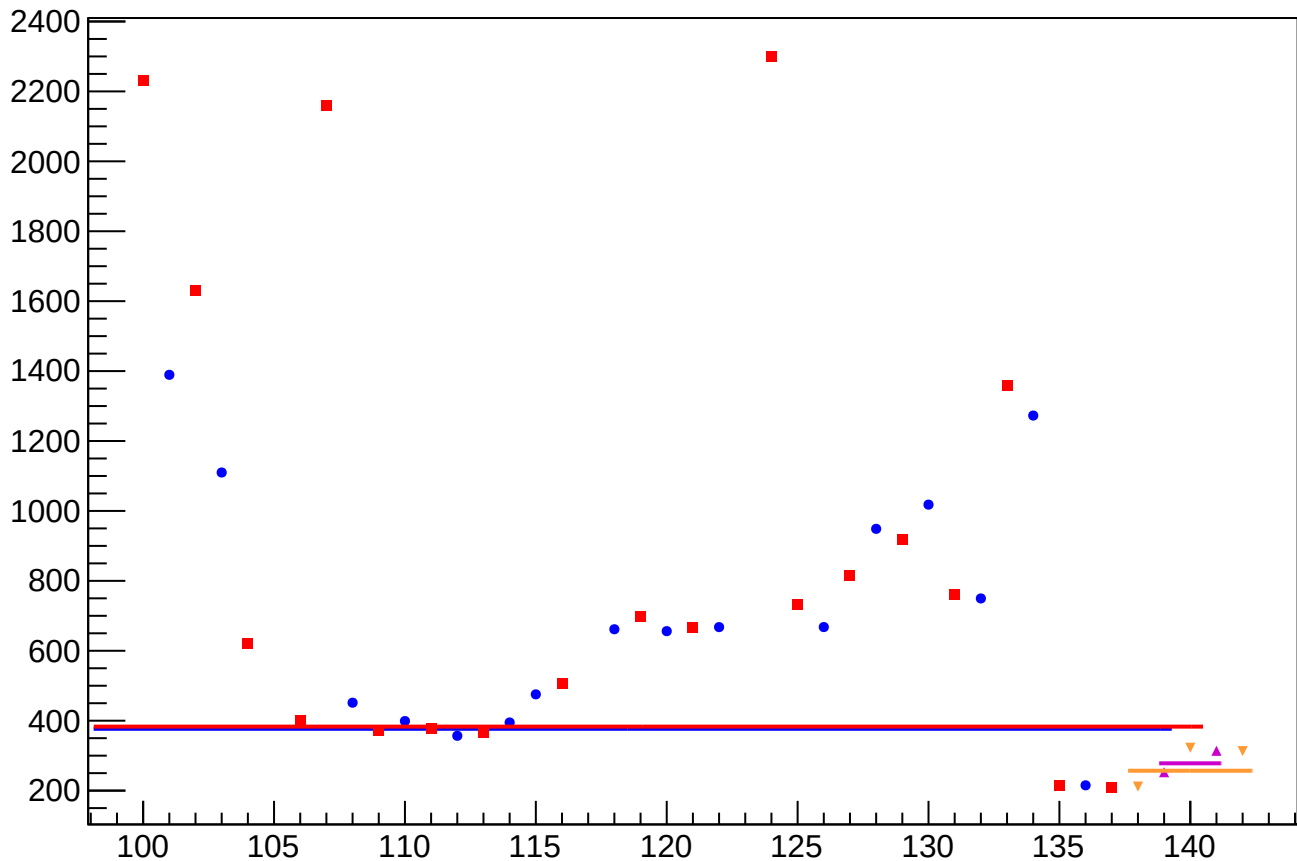
Left In: -140.955 ± 215.928 χ^2/NDF : 1.7/1

+ sign -99.993 ± 124.052 χ^2/NDF : 26.1/18

All: -132.763 ± 90.832 χ^2/NDF : 42.6/39

- sign -170.638 ± 133.365 χ^2/NDF : 16.3/20

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: 256.886+/-0.130 χ^2/NDF : 168030.9/2

+ sign 322.161+/-0.088 χ^2/NDF : 4822530.4/18

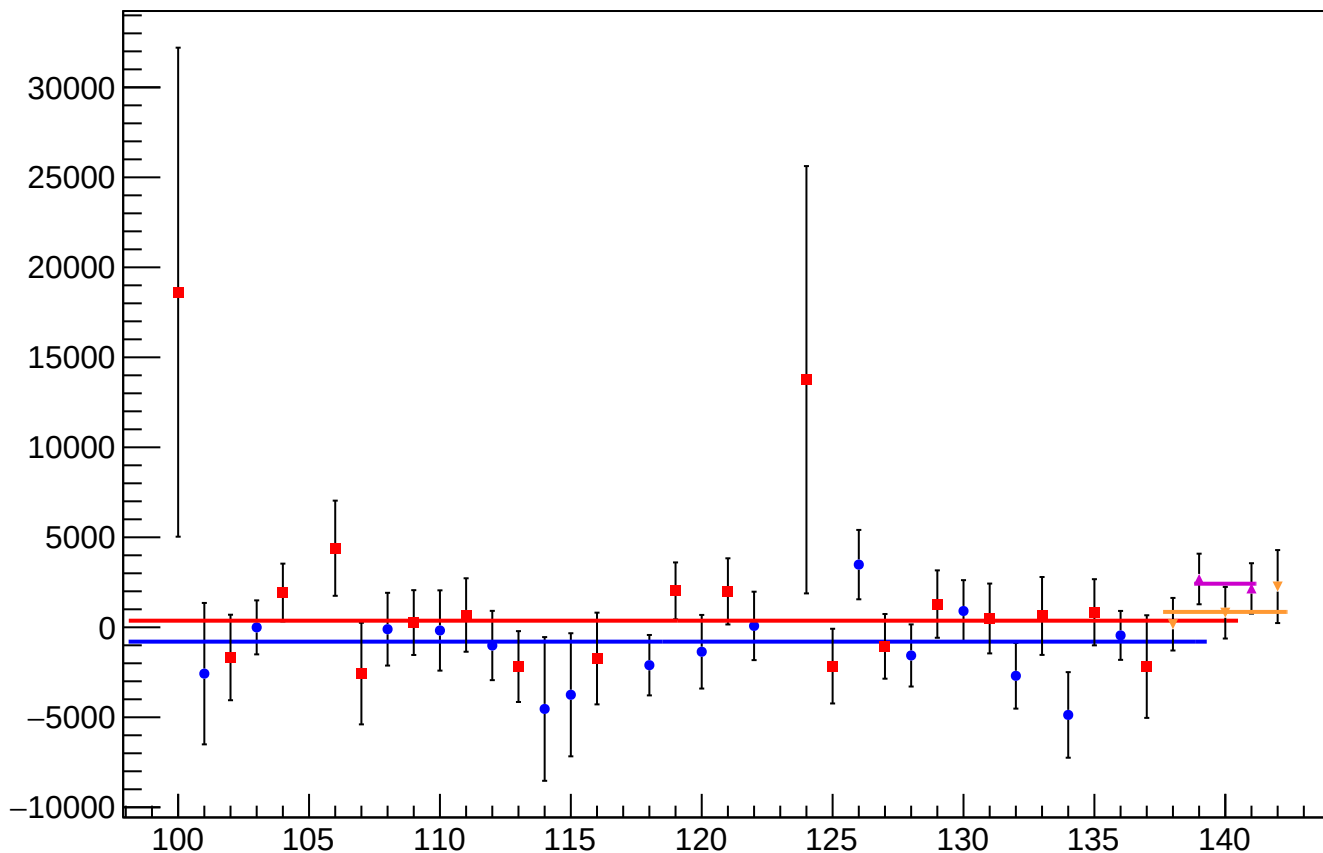
Right Out: 383.074+/-0.120 χ^2/NDF : 4054121.5/18

All: 331.839+/-0.064 χ^2/NDF : 9234496.3/39

- sign 343.026+/-0.094 χ^2/NDF : 4385720.2/20

Left In: 278.092+/-0.153 χ^2/NDF : 39183.4/1

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF : 13.4/15

Left Out: 854.867+/-913.422 χ^2/NDF : 0.7/2

Right Out: 367.476+/-486.348 χ^2/NDF : 15.7/18

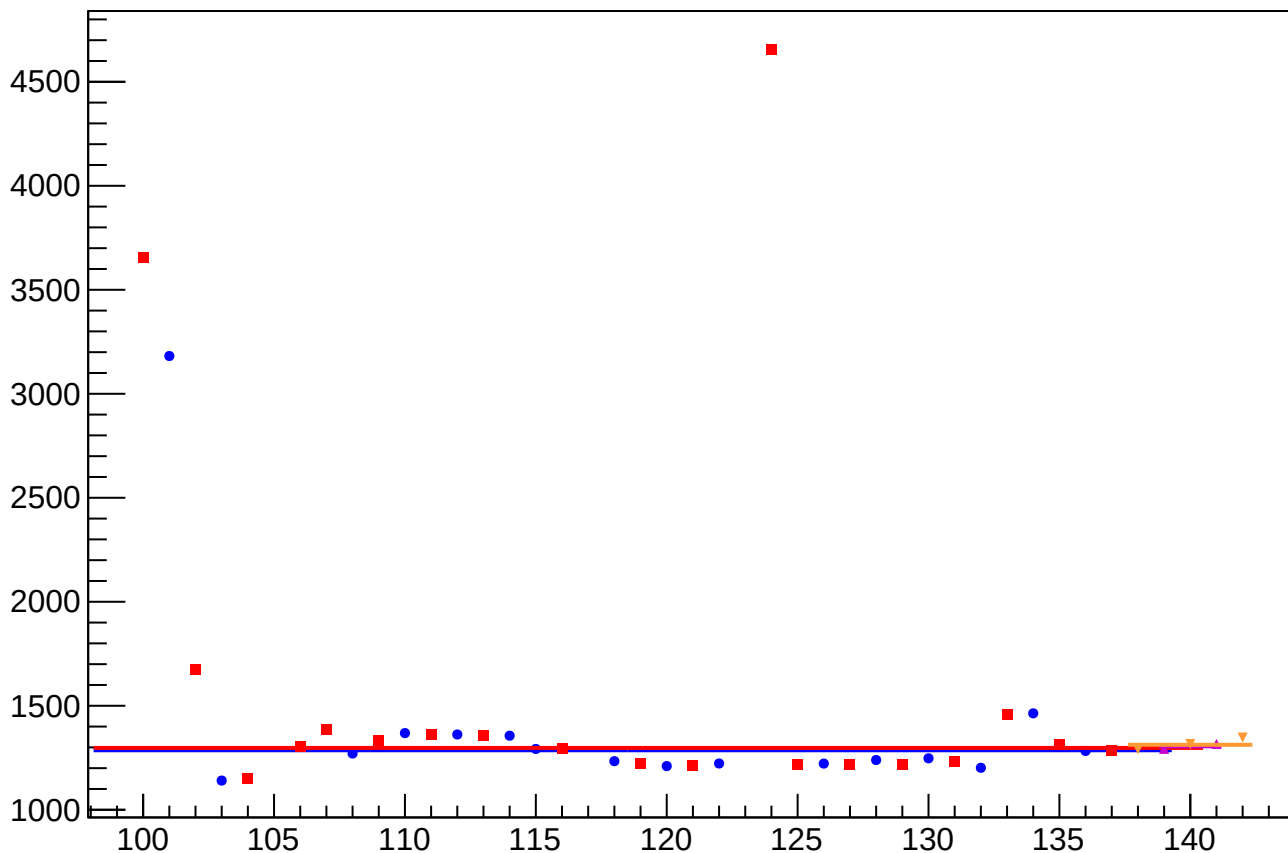
Left In: 2421.688+/-991.779 χ^2/NDF : 0.1/1

+ sign -430.752+/-430.048 χ^2/NDF : 16.7/18

All: 158.331+/-306.405 χ^2/NDF : 39.7/39

- sign 765.697+/-436.671 χ^2/NDF : 19.2/20

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: 1312.398 $\pm$ 0.646 χ^2 /NDF:1047.2/2

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

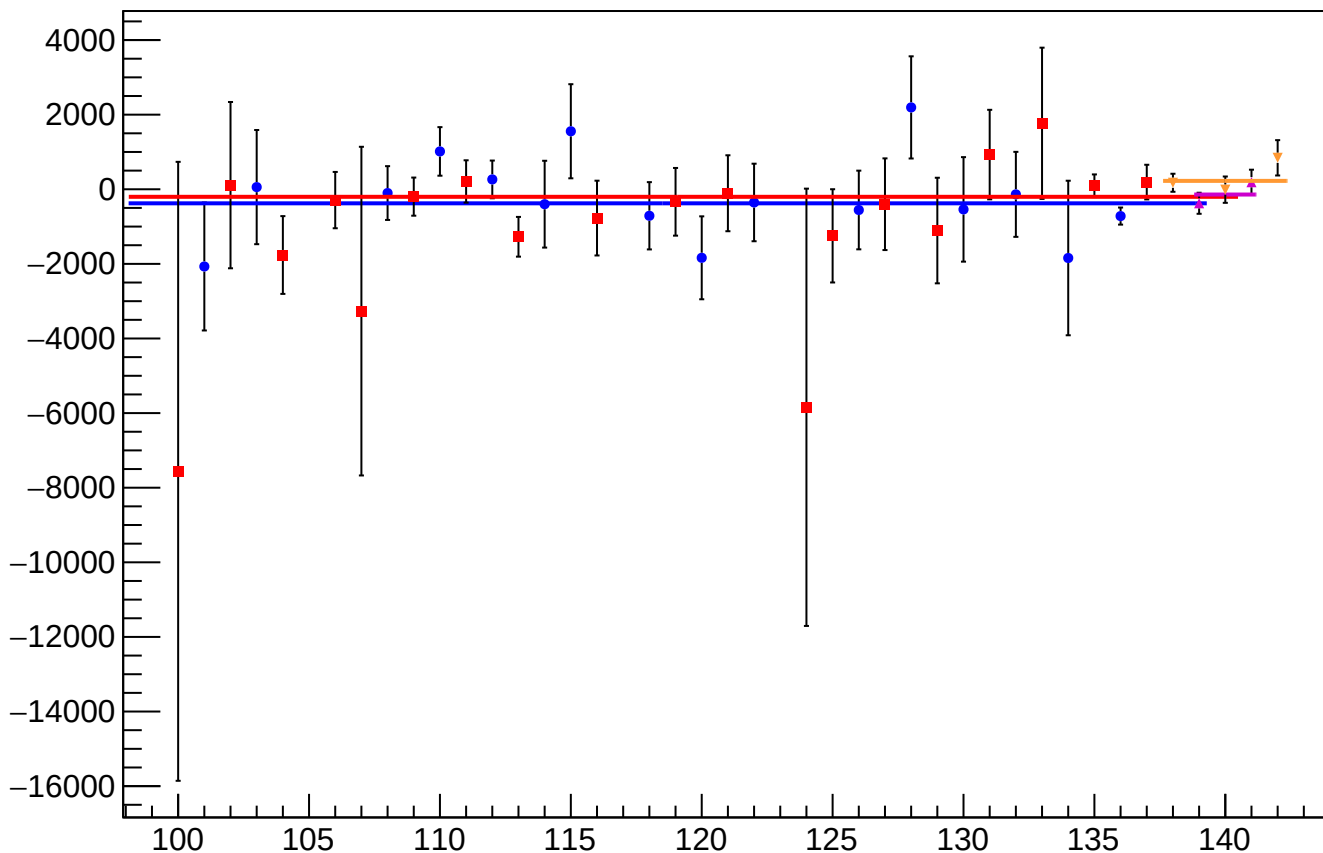
Left In: 1304.917 $\pm$ 0.701 χ^2 /NDF:288.4/1

+ sign 1291.927 $\pm$ 0.304 χ^2 /NDF: 520466.2/18

All: 1295.337 $\pm$ 0.217 χ^2 /NDF: 848844.5/39

- sign 1298.852 $\pm$ 0.309 χ^2 /NDF: 328122.9/20

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug



Right In: -376.771 ± 168.223 χ^2/NDF : 17.9/15

Left Out: 224.901 ± 183.699 χ^2/NDF : 2.2/2

Right Out: -202.144 ± 169.377 χ^2/NDF : 14.0/18

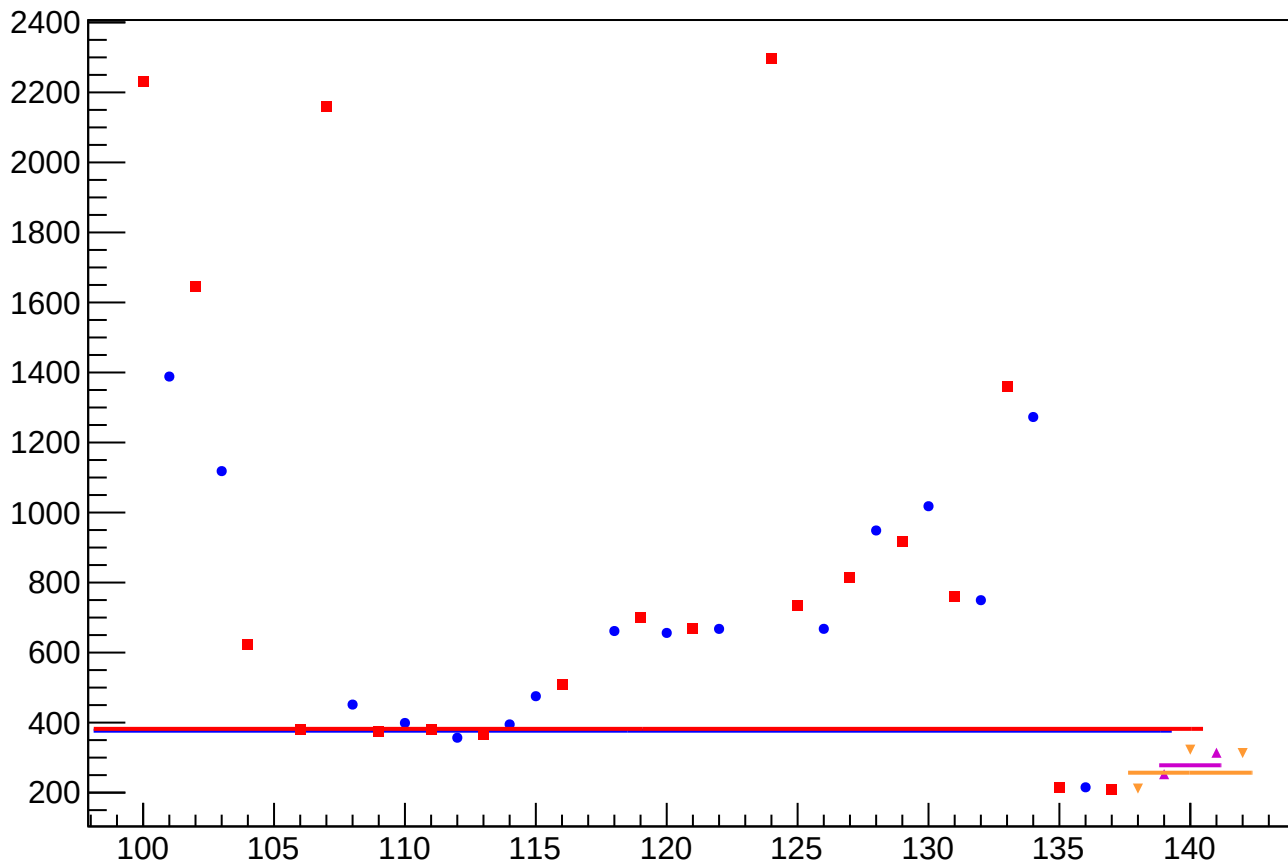
Left In: -141.120 ± 215.928 χ^2/NDF : 1.7/1

+ sign -102.342 ± 124.063 χ^2/NDF : 26.0/18

All: -137.885 ± 90.806 χ^2/NDF : 41.9/39

- sign -178.898 ± 133.269 χ^2/NDF : 15.8/20

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: 256.898+/-0.130 χ^2/NDF : 168067.0/2

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

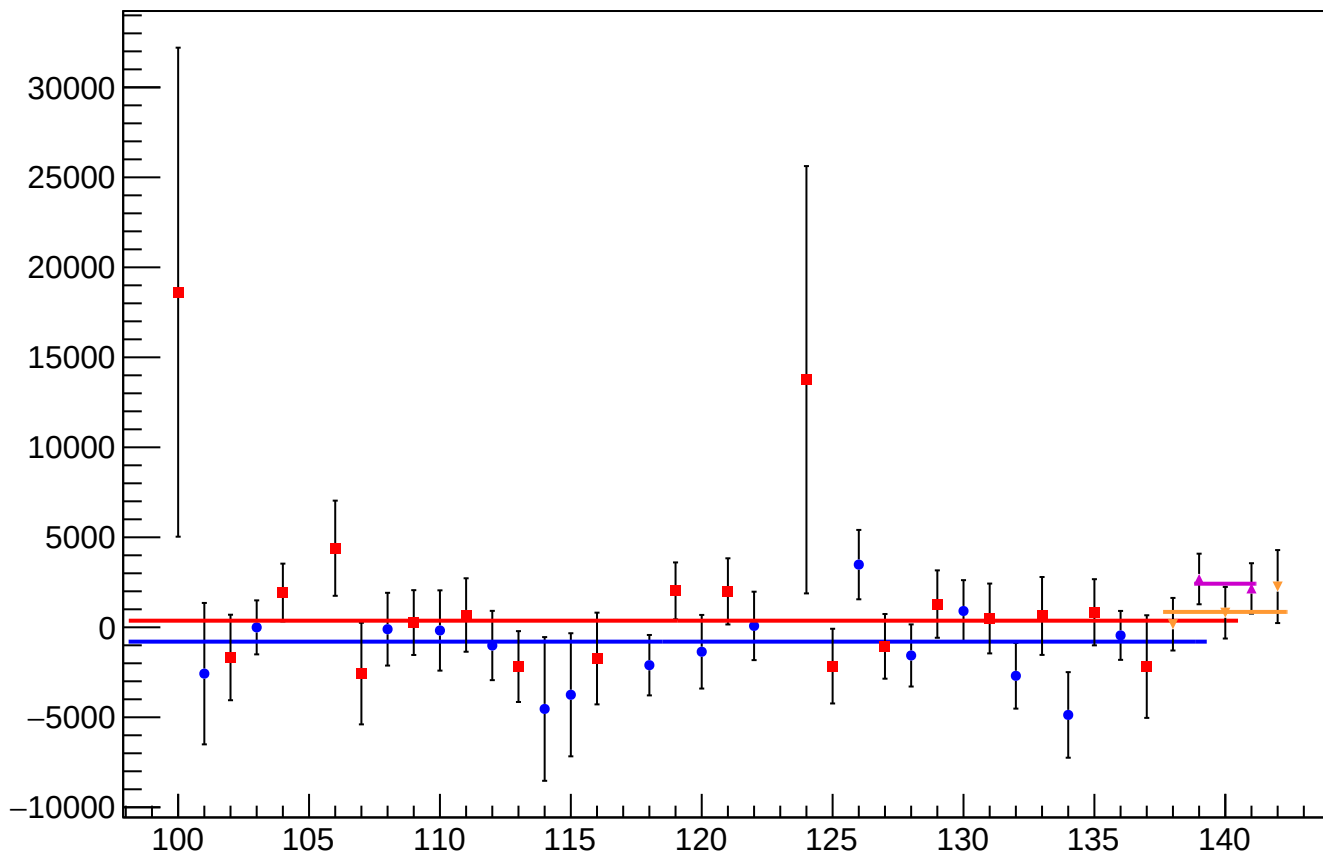
Left In: 278.092+/-0.153 χ^2/NDF : 39169.8/1

+ sign 322.157+/-0.088 χ^2/NDF : 4825473.3/18

All: 331.603+/-0.064 χ^2/NDF : 9236687.2/39

- sign 342.503+/-0.094 χ^2/NDF : 4386239.7/20

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: 854.867 ± 913.422 χ^2/NDF : 0.7/2

Right Out: 367.476 ± 486.348 χ^2/NDF : 15.7/18

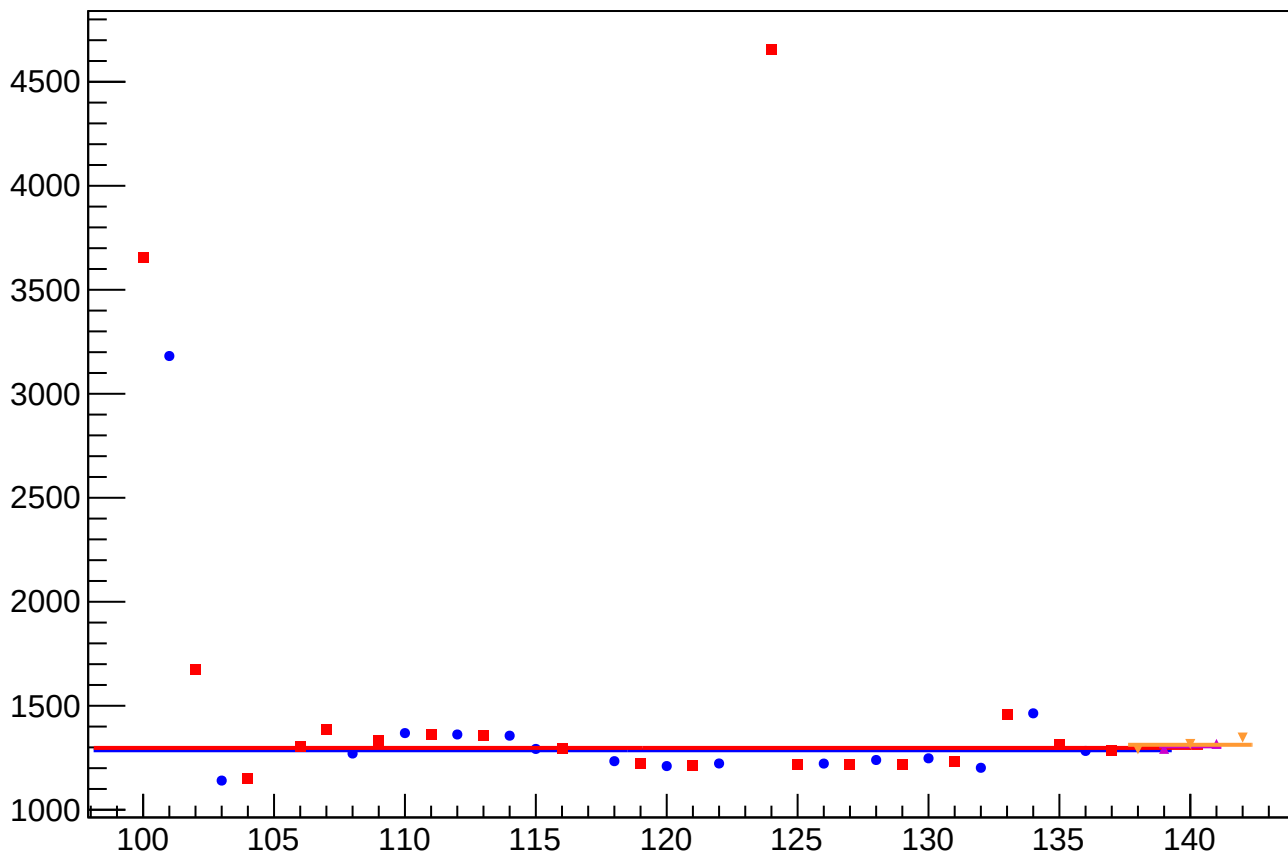
Left In: 2421.688 ± 991.779 χ^2/NDF : 0.1/1

+ sign -430.752 ± 430.048 χ^2/NDF : 16.7/18

All: 158.331 ± 306.405 χ^2/NDF : 39.7/39

- sign 765.697 ± 436.671 χ^2/NDF : 19.2/20

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: 1312.398 $\pm$ 0.646 χ^2 /NDF:1047.2/2

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

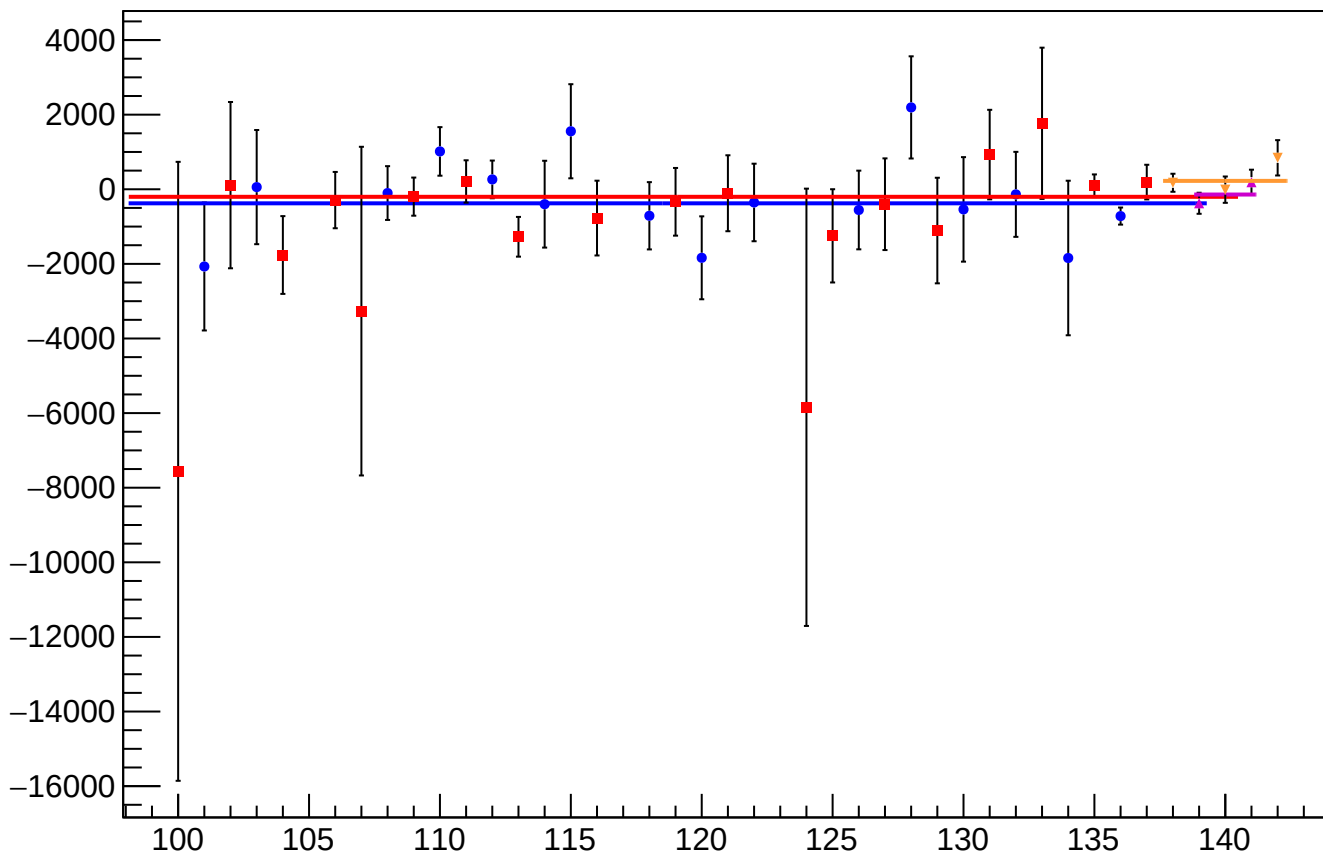
Left In: 1304.917 $\pm$ 0.701 χ^2 /NDF:288.4/1

+ sign 1291.927 $\pm$ 0.304 χ^2 /NDF: 520466.2/18

All: 1295.337 $\pm$ 0.217 χ^2 /NDF: 848844.5/39

- sign 1298.852 $\pm$ 0.309 χ^2 /NDF: 328122.9/20

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -376.771 ± 168.223 $\chi^2/\text{NDF}: 17.9/15$

Left Out: 224.901 ± 183.699 $\chi^2/\text{NDF}: 2.2/2$

Right Out: -202.144 ± 169.377 $\chi^2/\text{NDF}: 14.0/18$

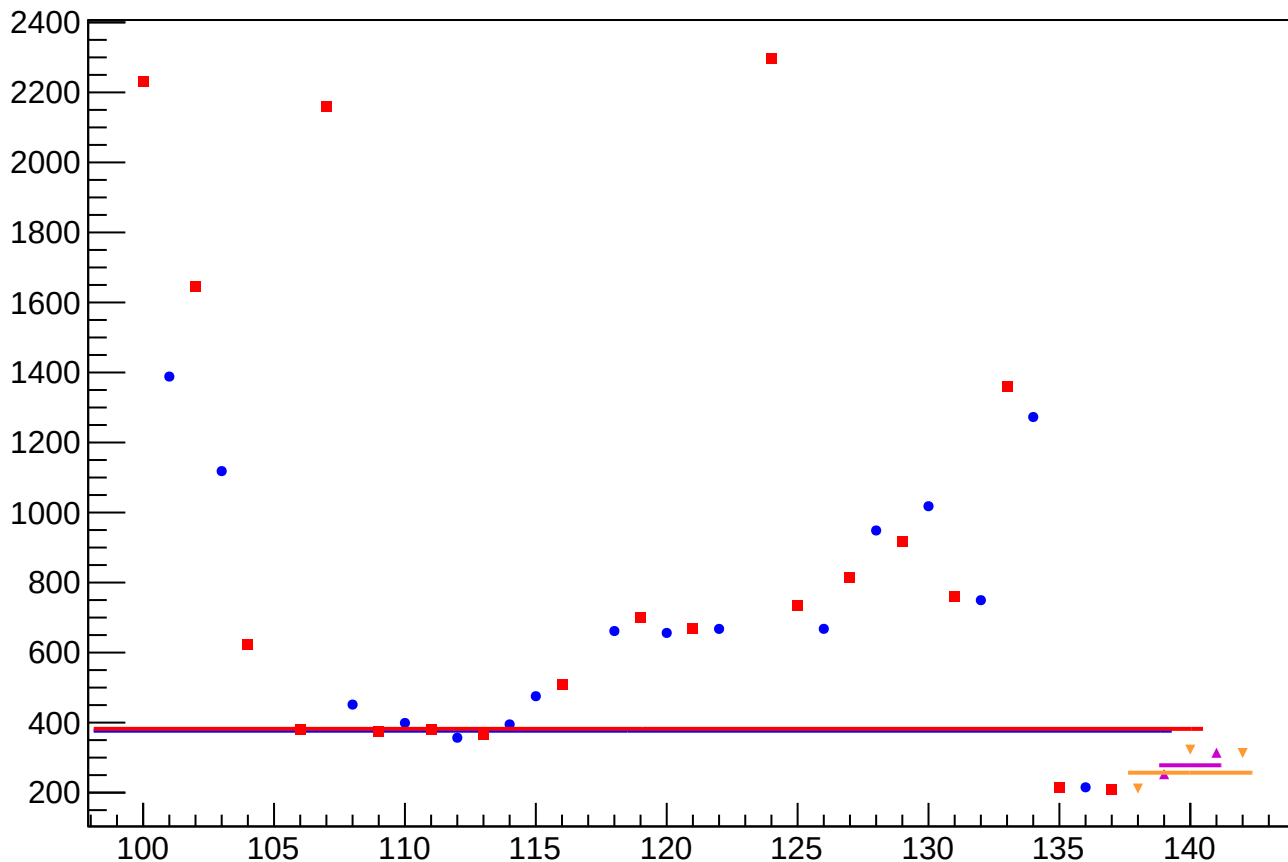
Left In: -141.120 ± 215.928 $\chi^2/\text{NDF}: 1.7/1$

+ sign -102.342 ± 124.063 $\chi^2/\text{NDF}: 26.0/18$

All: -137.885 ± 90.806 $\chi^2/\text{NDF}: 41.9/39$

- sign -178.898 ± 133.269 $\chi^2/\text{NDF}: 15.8/20$

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF : 4193328.0/15

Left Out: 256.898+/-0.130 χ^2/NDF : 168067.0/2

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

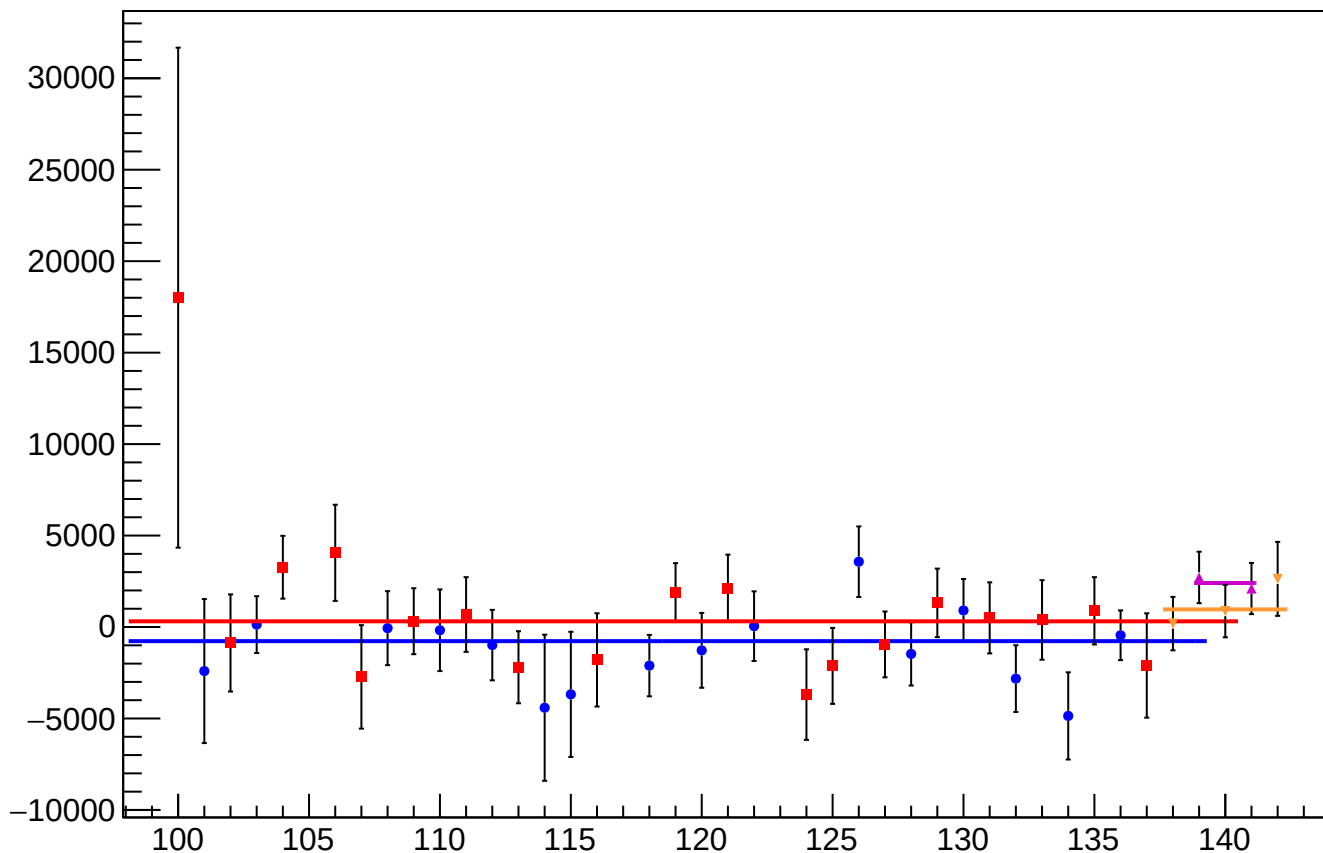
Left In: 278.092+/-0.153 χ^2/NDF : 39169.8/1

+ sign 322.157+/-0.088 χ^2/NDF : 4825473.3/18

All: 331.603+/-0.064 χ^2/NDF : 9236687.2/39

- sign 342.503+/-0.094 χ^2/NDF : 4386239.7/20

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499 ± 489.602 χ^2/NDF : 13.6/15

Left Out: 963.452 ± 913.258 χ^2/NDF : 1.0/2

Right Out: 311.418 ± 482.642 χ^2/NDF : 17.9/18

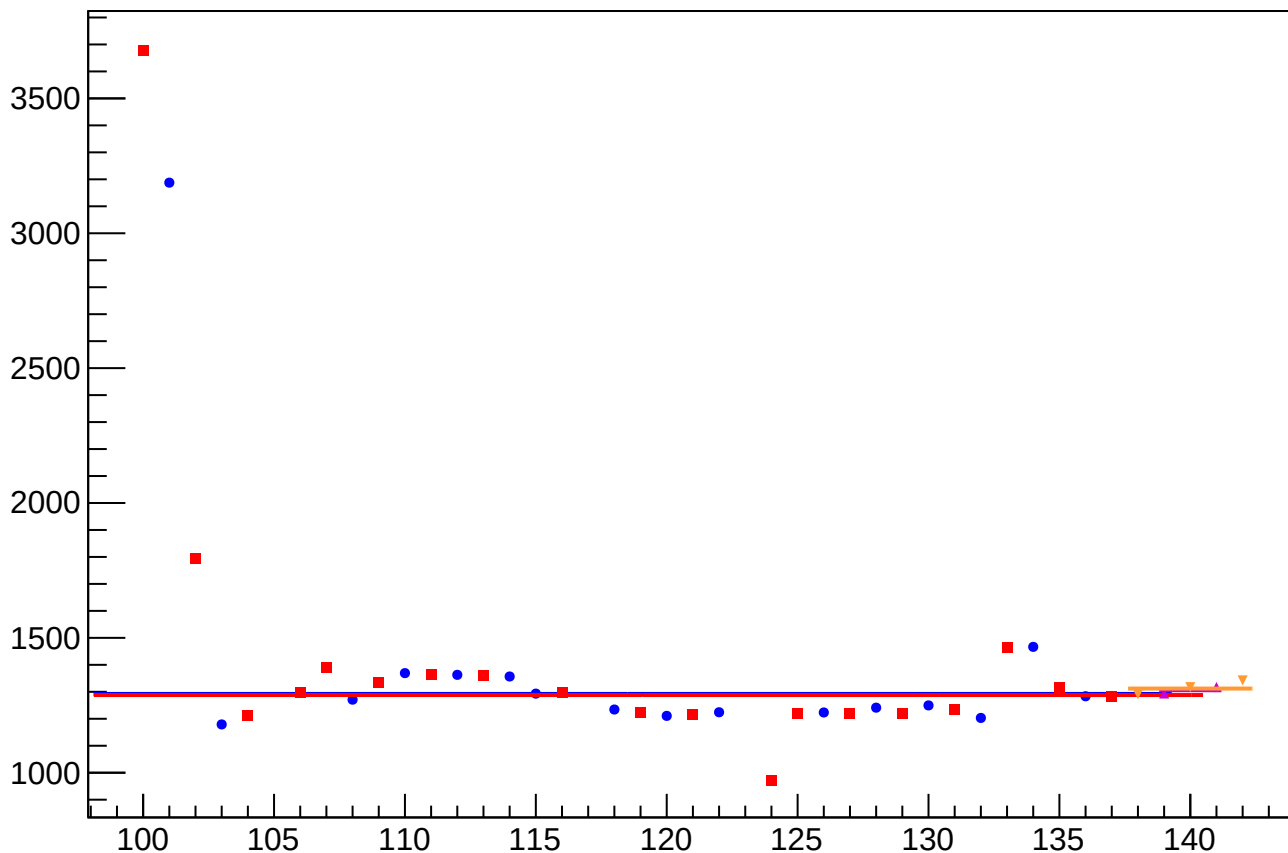
Left In: 2406.569 ± 992.473 χ^2/NDF : 0.1/1

+ sign -384.178 ± 431.504 χ^2/NDF : 17.4/18

All: 160.767 ± 306.012 χ^2/NDF : 42.2/39

- sign 712.135 ± 434.040 χ^2/NDF : 21.6/20

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: 1312.020 $\pm$ 0.646 χ^2 /NDF:889.4/2

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209208.8/18

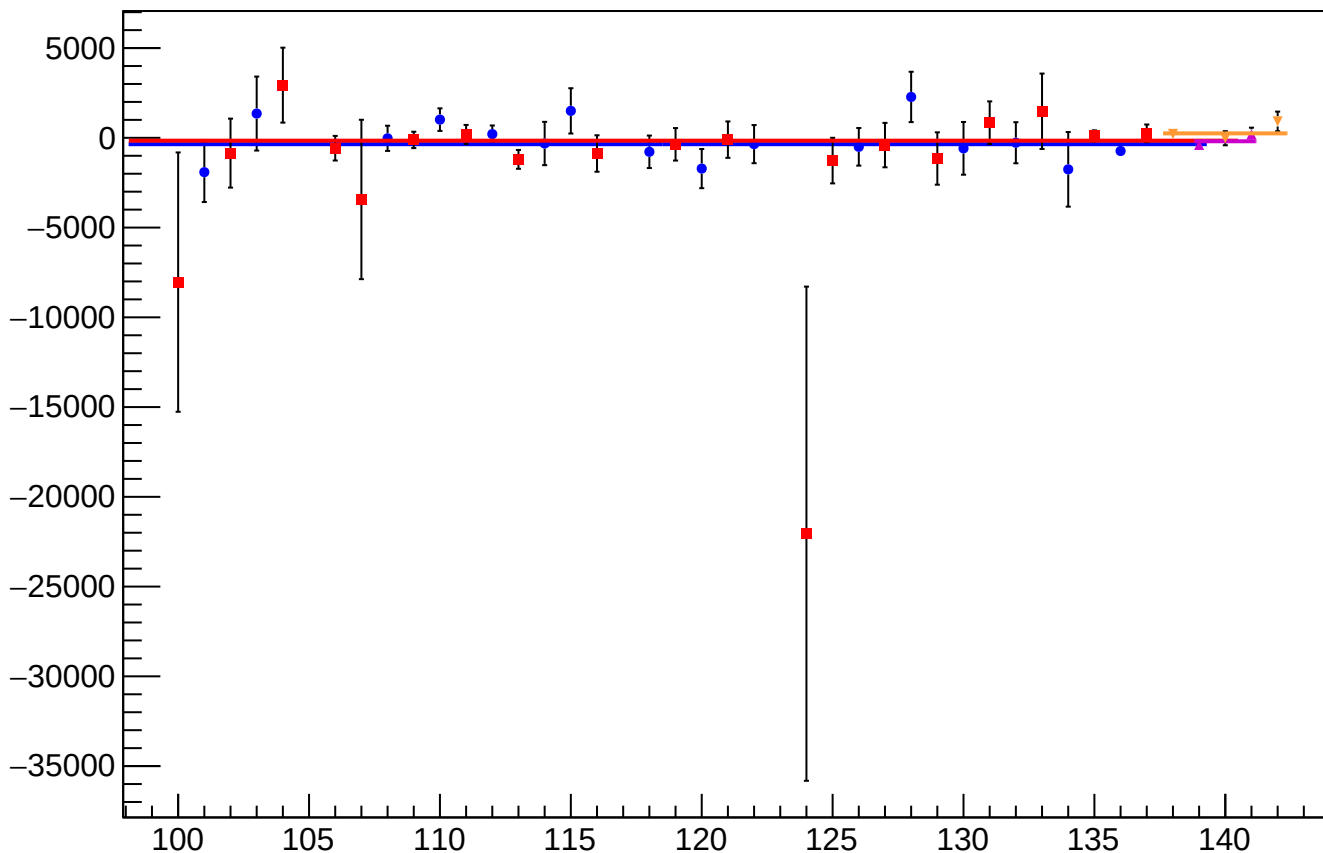
Left In: 1305.816 $\pm$ 0.702 χ^2 /NDF:295.2/1

+ sign 1296.499 $\pm$ 0.305 χ^2 /NDF: 511039.4/18

All: 1293.963 $\pm$ 0.216 χ^2 /NDF: 721204.3/39

- sign 1291.398 $\pm$ 0.307 χ^2 /NDF: 210025.9/20

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: 247.947 ± 193.660 χ^2/NDF : 2.0/2

Right Out: -157.924 ± 169.665 χ^2/NDF : 15.8/18

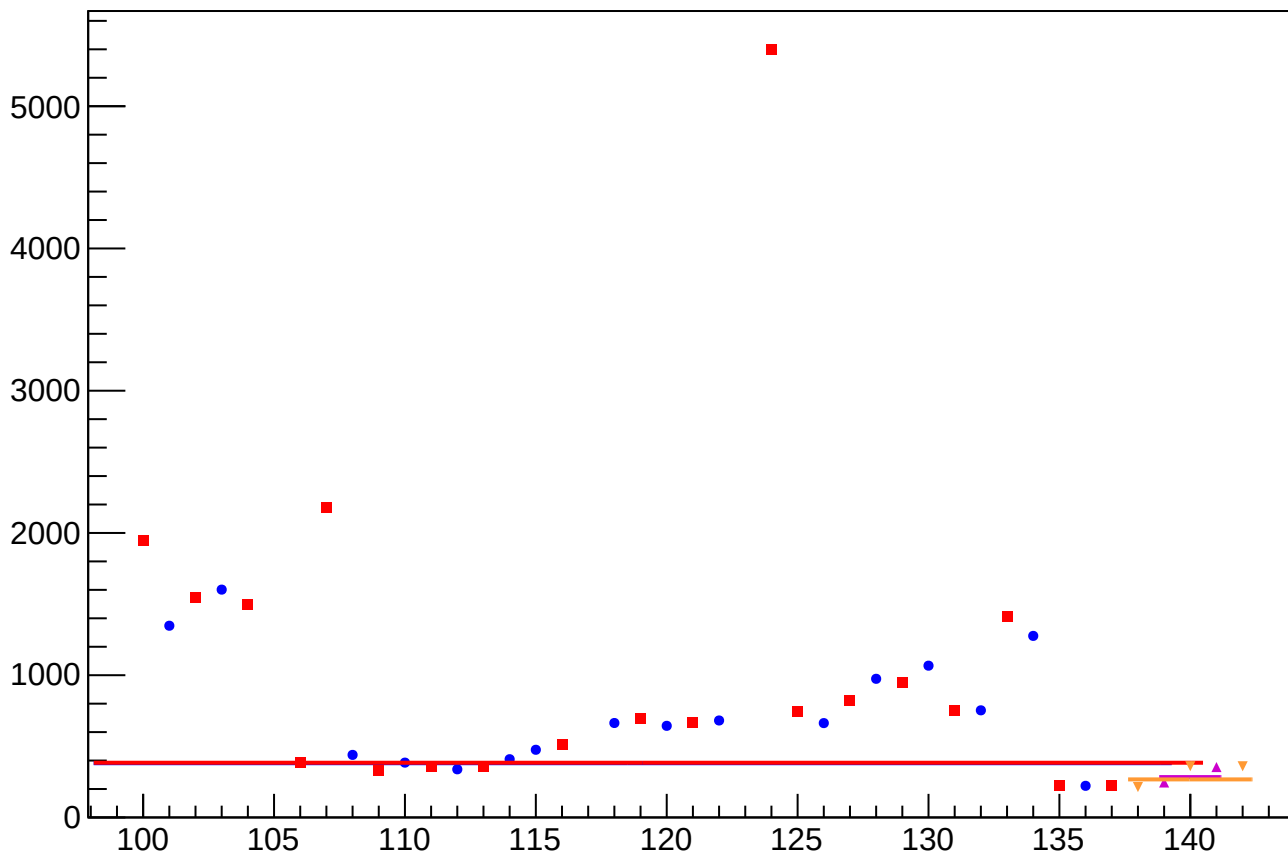
Left In: -191.190 ± 223.357 χ^2/NDF : 1.6/1

+ sign -92.768 ± 127.746 χ^2/NDF : 25.9/18

All: -129.269 ± 92.823 χ^2/NDF : 43.5/39

- sign -170.095 ± 135.106 χ^2/NDF : 17.4/20

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: 267.504+/-0.137 χ^2/NDF : 265674.6/2

Right Out: 384.651+/-0.120 χ^2/NDF : 4560208.6/18

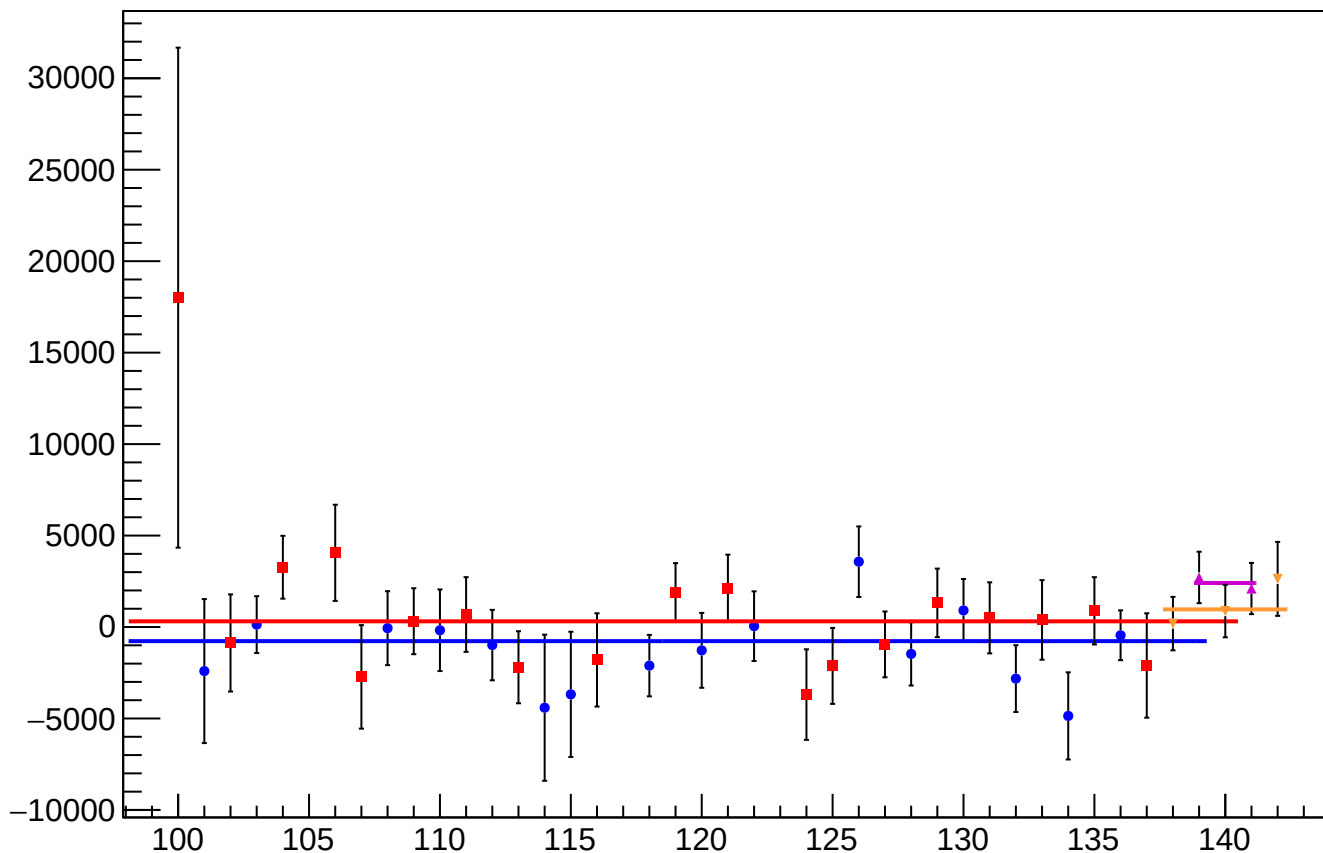
Left In: 283.807+/-0.158 χ^2/NDF : 107020.9/1

+ sign 331.812+/-0.090 χ^2/NDF : 4974016.5/18

All: 339.336+/-0.066 χ^2/NDF : 9914466.7/39

- sign 347.753+/-0.096 χ^2/NDF : 4925749.1/20

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF : 13.6/15

Left Out: 963.458+/-913.258 χ^2/NDF : 1.0/2

Right Out: 311.419+/-482.642 χ^2/NDF : 17.9/18

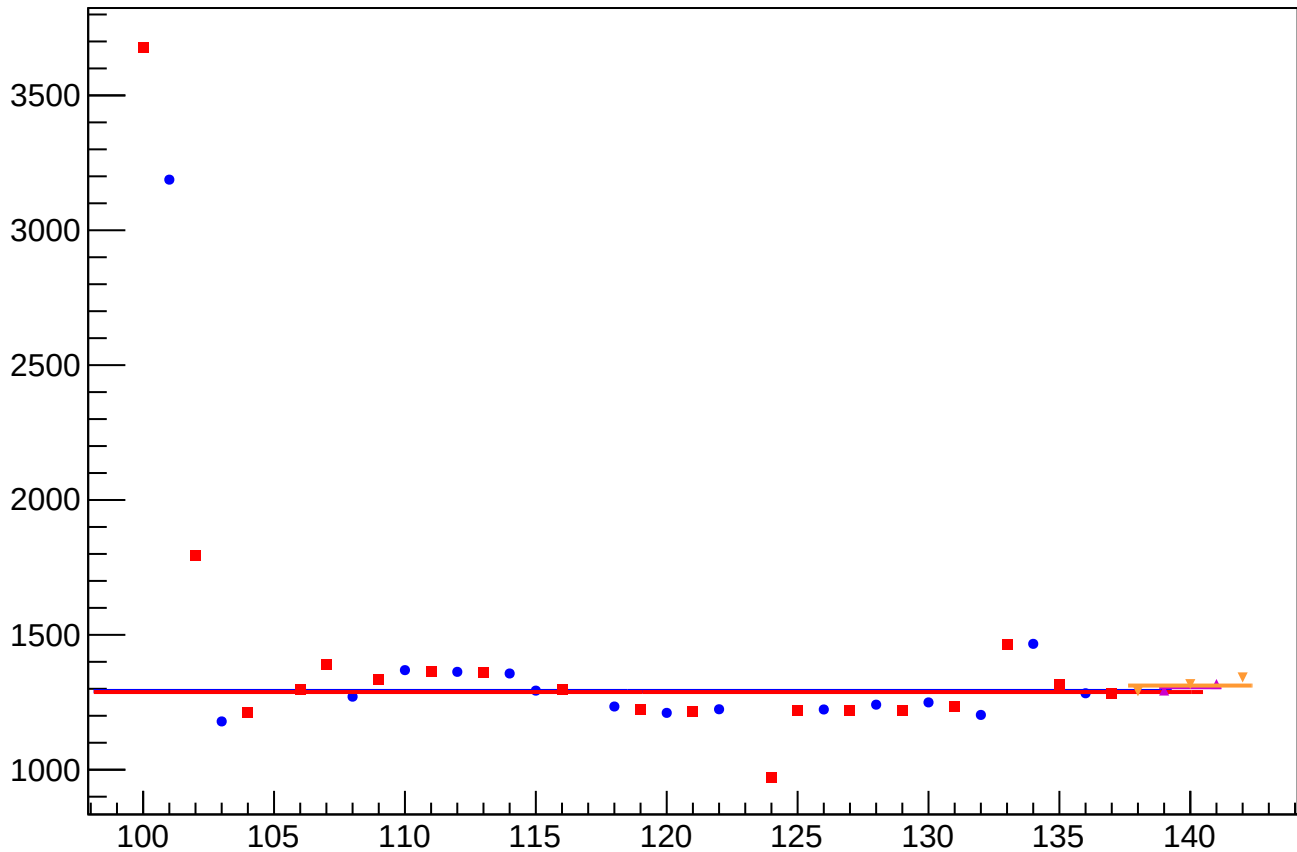
Left In: 2406.560+/-992.473 χ^2/NDF : 0.1/1

+ sign -384.179+/-431.504 χ^2/NDF : 17.4/18

All: 160.766+/-306.012 χ^2/NDF : 42.2/39

- sign 712.135+/-434.040 χ^2/NDF : 21.6/20

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: 1312.020 $\pm$ 0.646 χ^2 /NDF: 889.4/2

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209209.1/18

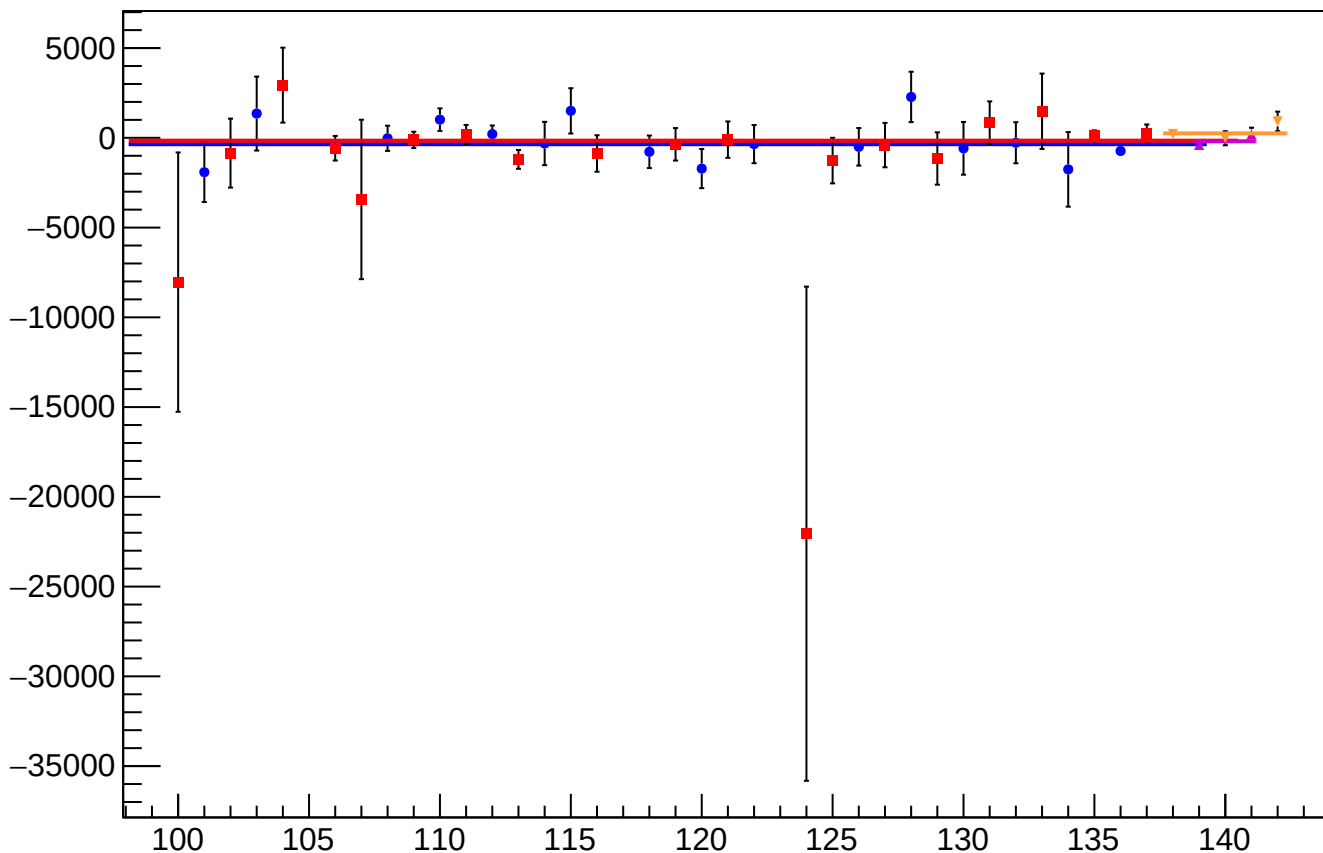
Left In: 1305.816 $\pm$ 0.702 χ^2 /NDF: 295.2/1

+ sign 1296.499 $\pm$ 0.305 χ^2 /NDF: 511039.4/18

All: 1293.963 $\pm$ 0.216 χ^2 /NDF: 721204.6/39

- sign 1291.398 $\pm$ 0.307 χ^2 /NDF: 210026.2/20

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: 247.959 ± 193.668 χ^2/NDF : 2.0/2

Right Out: -157.929 ± 169.667 χ^2/NDF : 15.8/18

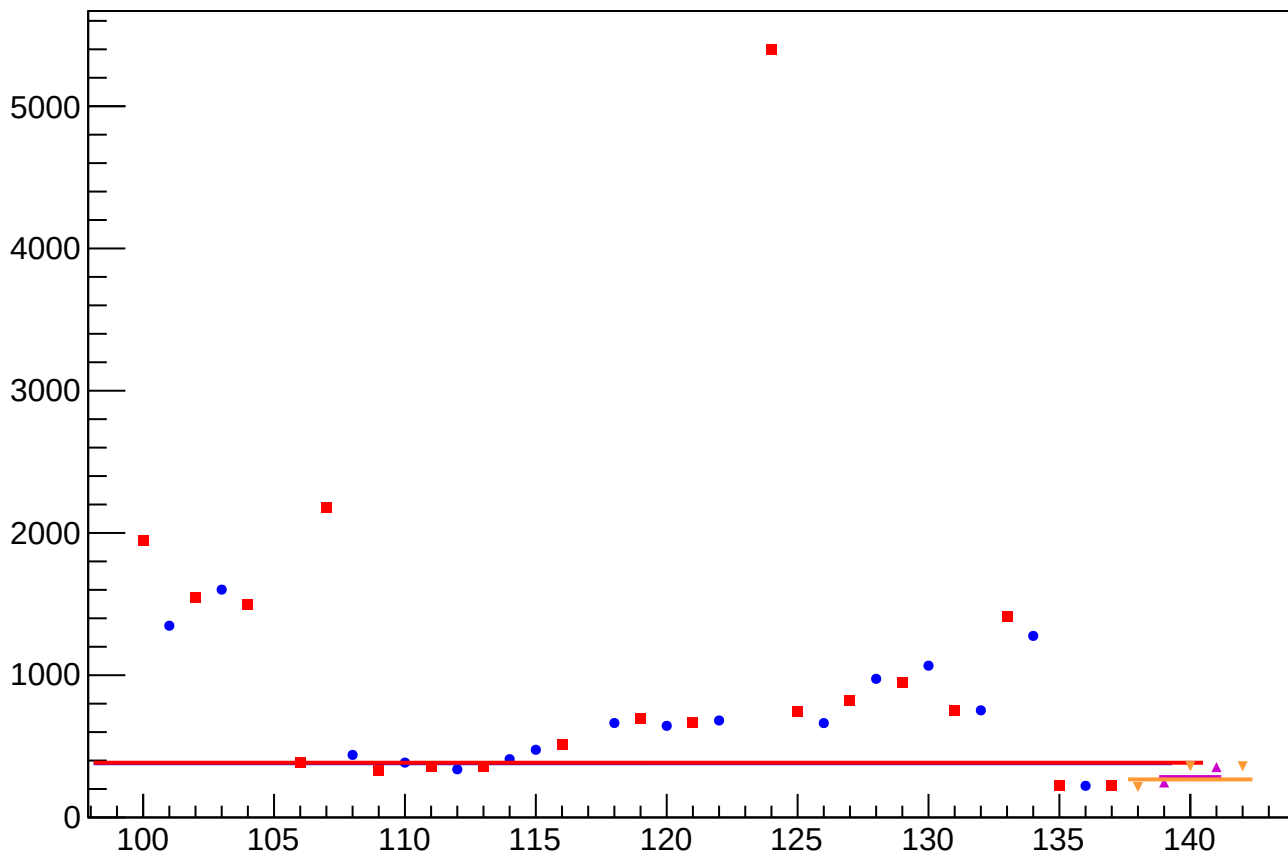
Left In: -191.194 ± 223.367 χ^2/NDF : 1.6/1

+ sign -92.771 ± 127.750 χ^2/NDF : 25.9/18

All: -129.272 ± 92.826 χ^2/NDF : 43.5/39

- sign -170.100 ± 135.109 χ^2/NDF : 17.4/20

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: 267.517+/-0.137 χ^2/NDF : 265626.9/2

+ sign 331.825+/-0.090 χ^2/NDF : 4973736.0/18

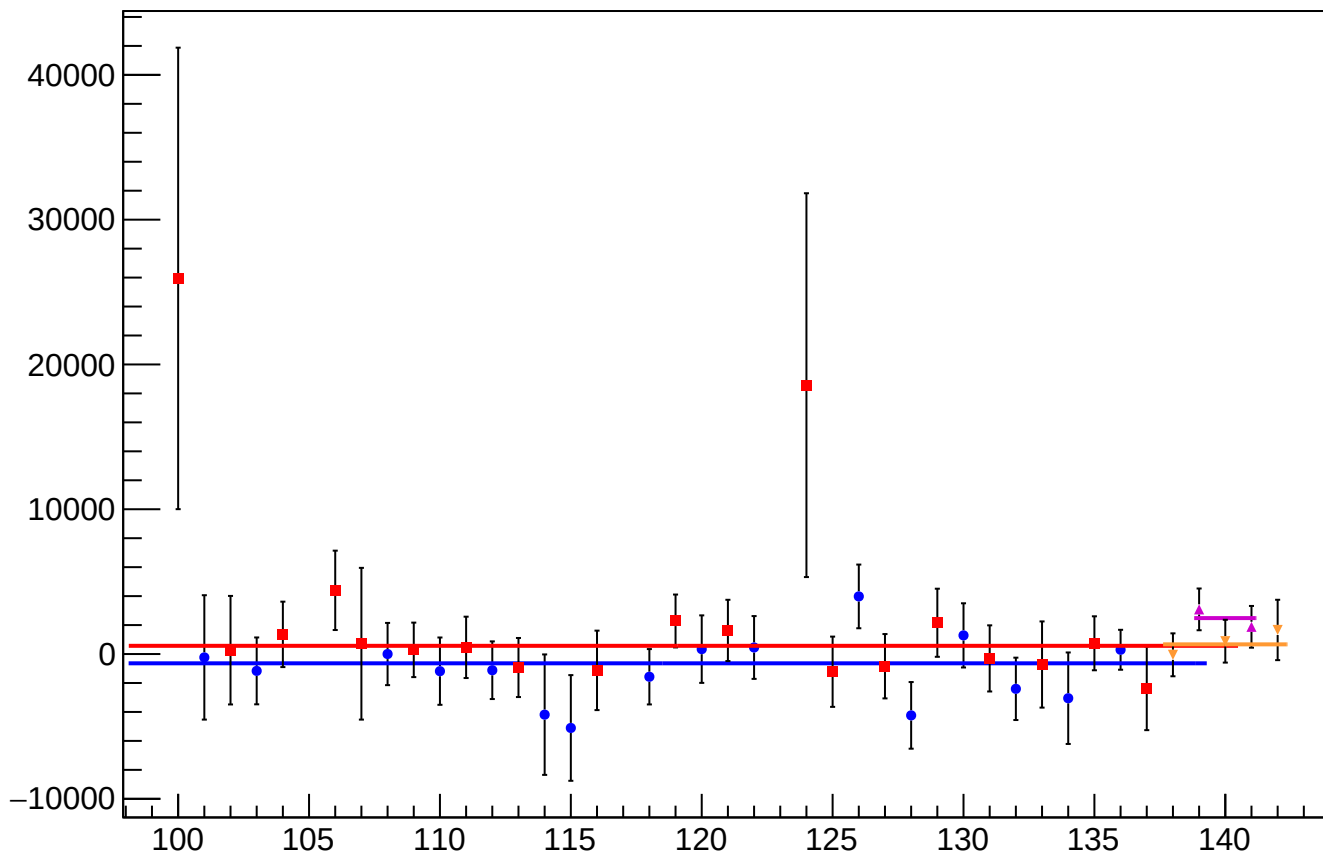
Right Out: 384.658+/-0.120 χ^2/NDF : 4560068.3/18

All: 339.349+/-0.066 χ^2/NDF : 9913965.6/39

- sign 347.765+/-0.096 χ^2/NDF : 4925532.0/20

Left In: 283.821+/-0.158 χ^2/NDF : 106991.7/1

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF : 12.5/15

Left Out: 668.200+/-935.151 χ^2/NDF : 0.5/2

Right Out: 567.254+/-566.774 χ^2/NDF : 11.3/18

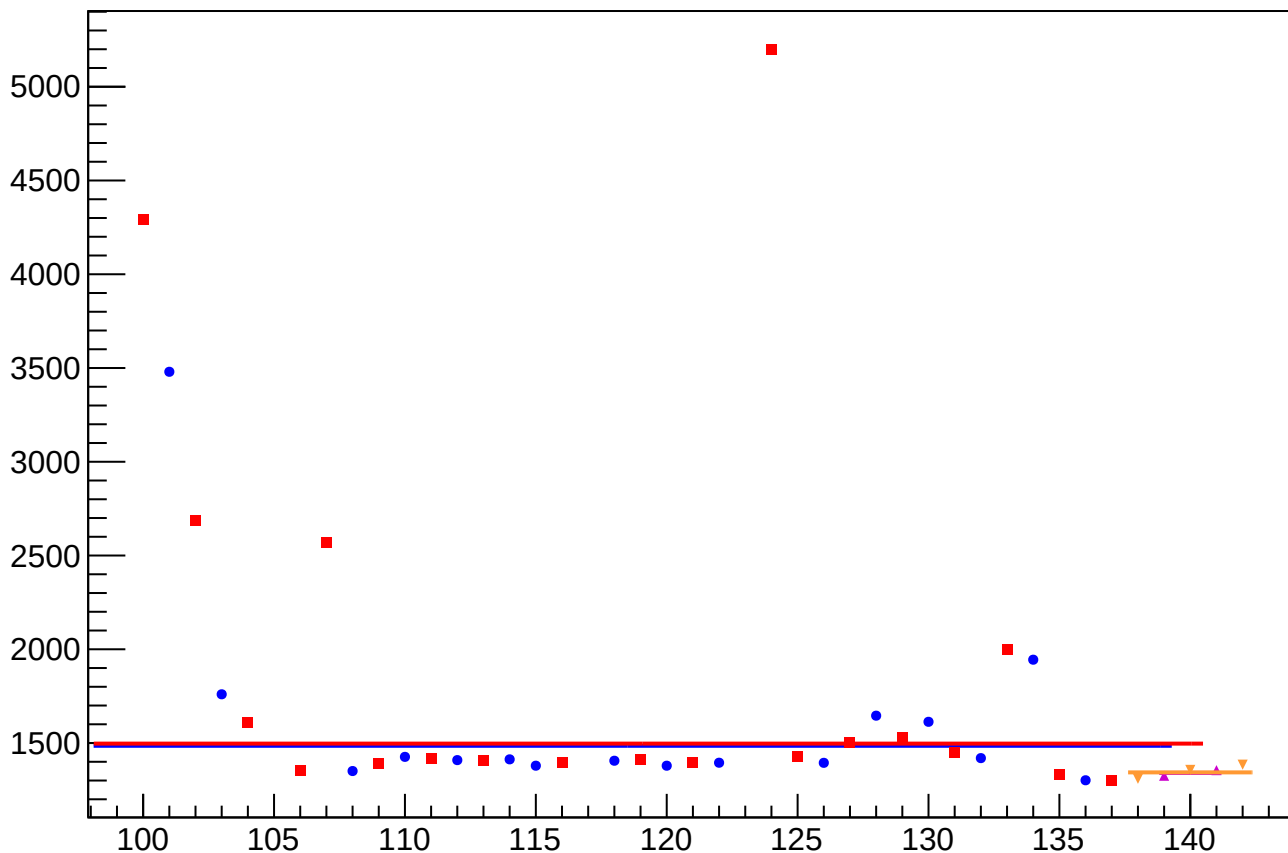
Left In: 2481.984+/-1018.961 χ^2/NDF : 0.3/1

+ sign -291.343+/-483.191 χ^2/NDF : 14.4/18

All: 347.934+/-345.872 χ^2/NDF : 32.4/39

- sign 1019.677+/-495.308 χ^2/NDF : 14.4/20

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF : 584470.1/15

Left Out: 1343.446+/-0.661 χ^2/NDF : 2012.8/2

Right Out: 1496.865+/-0.401 χ^2/NDF : 623292.7/18

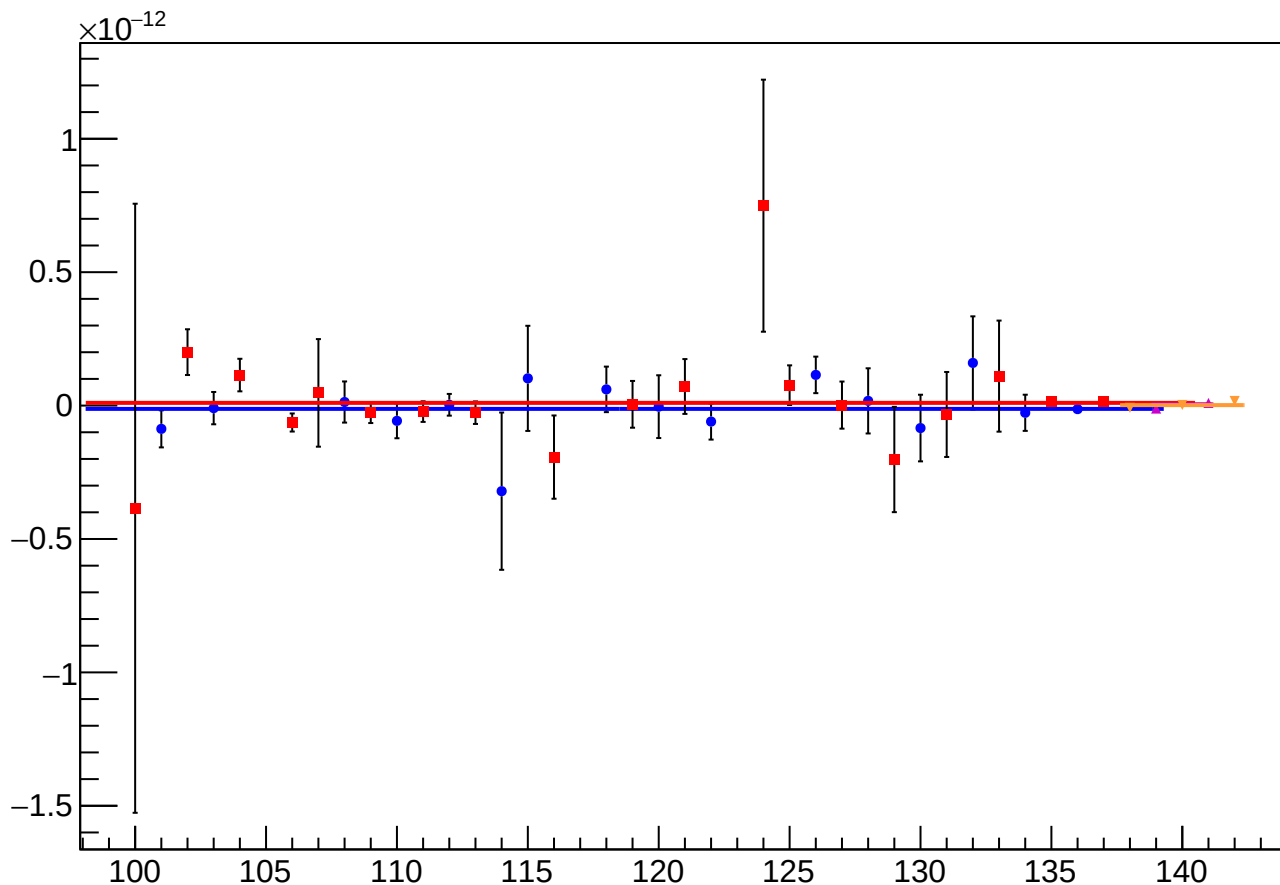
Left In: 1340.532+/-0.721 χ^2/NDF : 427.7/1

+ sign 1447.480+/-0.342 χ^2/NDF : 620250.2/18

All: 1453.549+/-0.245 χ^2/NDF : 1280571.9/39

- sign 1459.926+/-0.350 χ^2/NDF : 659674.6/20

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:3.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.3/18

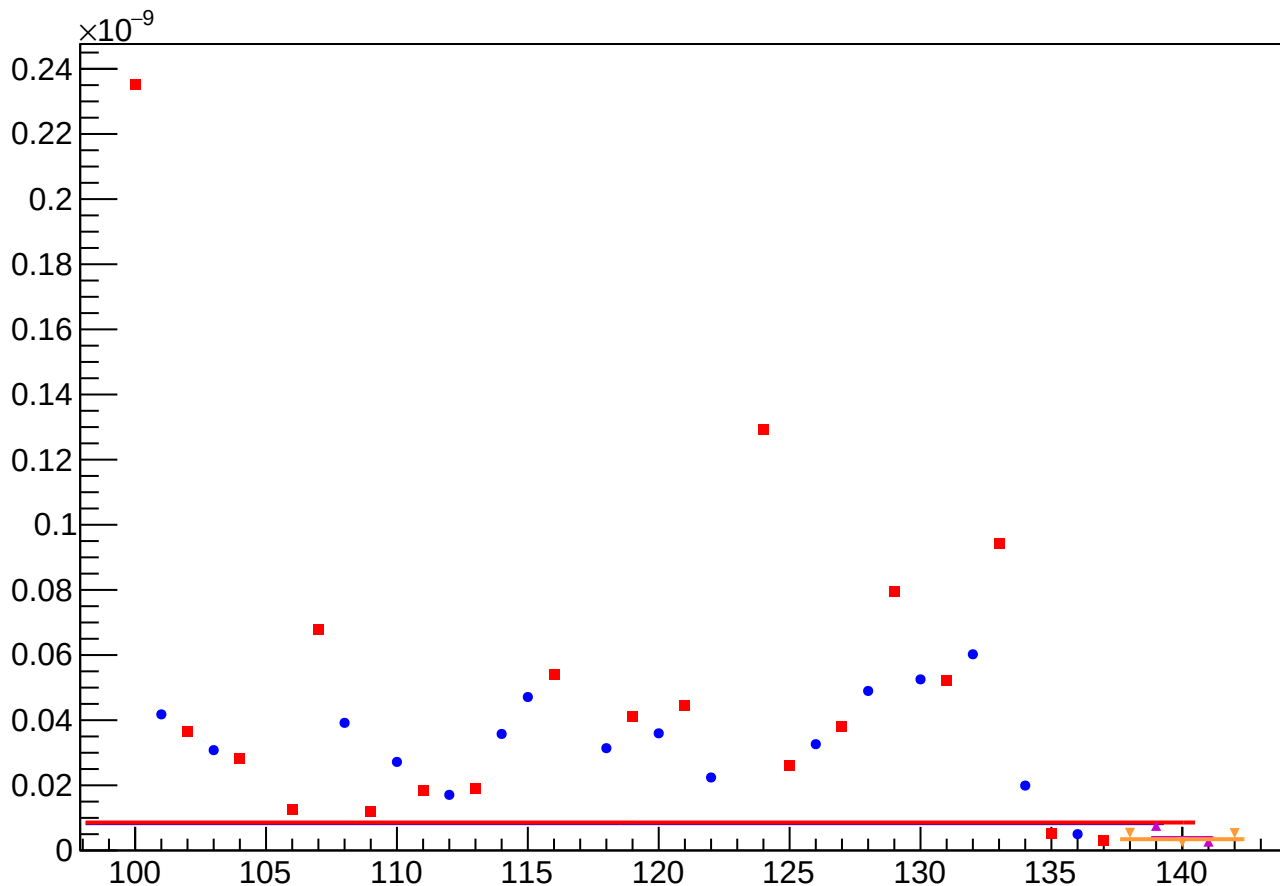
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.5/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.0/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/20

asym_atl_avg_atr_avg_dd_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 : 231006.4/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3348571.5/18

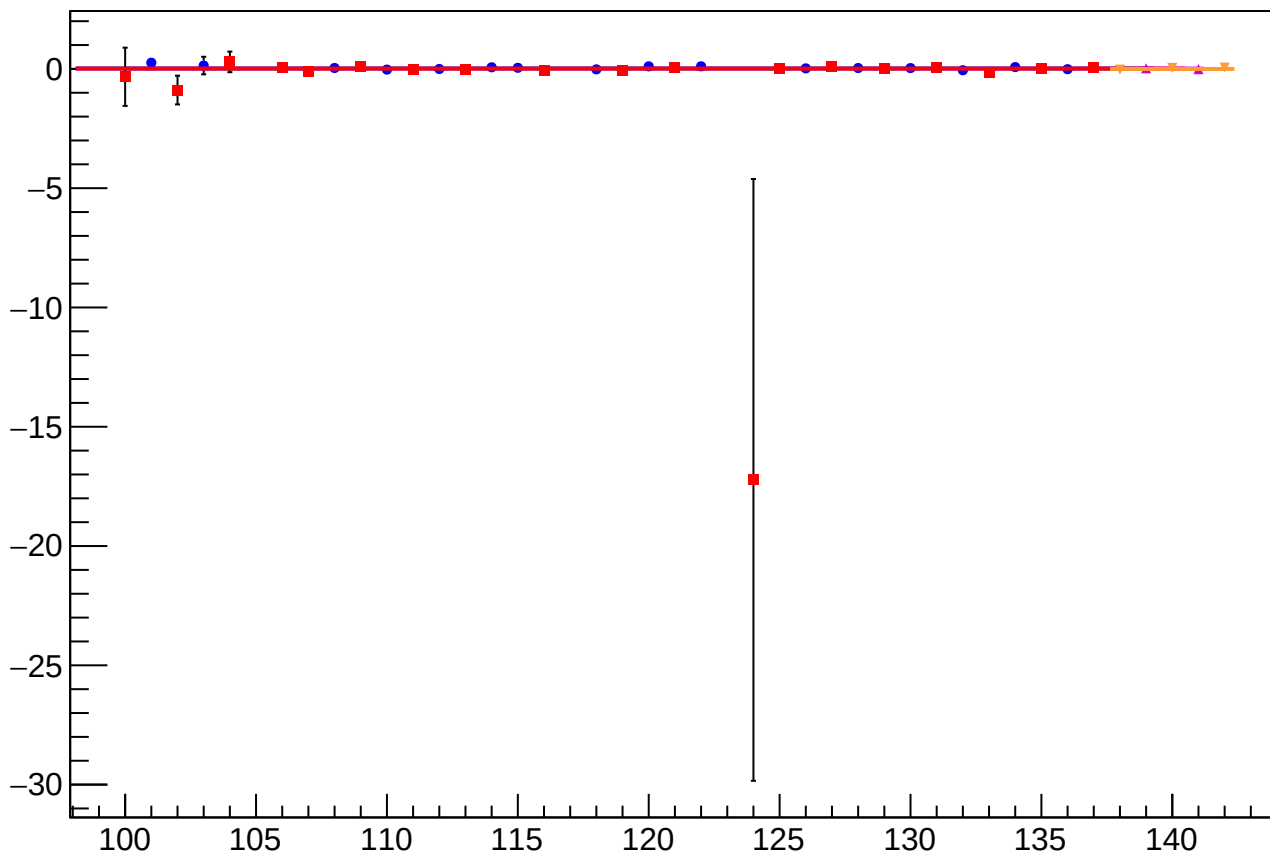
Left In: 0.000+/-0.000 χ^2/NDF : 314996.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3973929.5/18

All: 0.000+/-0.000 χ^2/NDF : 8163403.2/39

- sign 0.000+/-0.000 χ^2/NDF : 4161537.7/20

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: -0.003 ± 0.022 χ^2/NDF : 2.7/2

Right Out: 0.014 ± 0.016 χ^2/NDF : 16.0/18

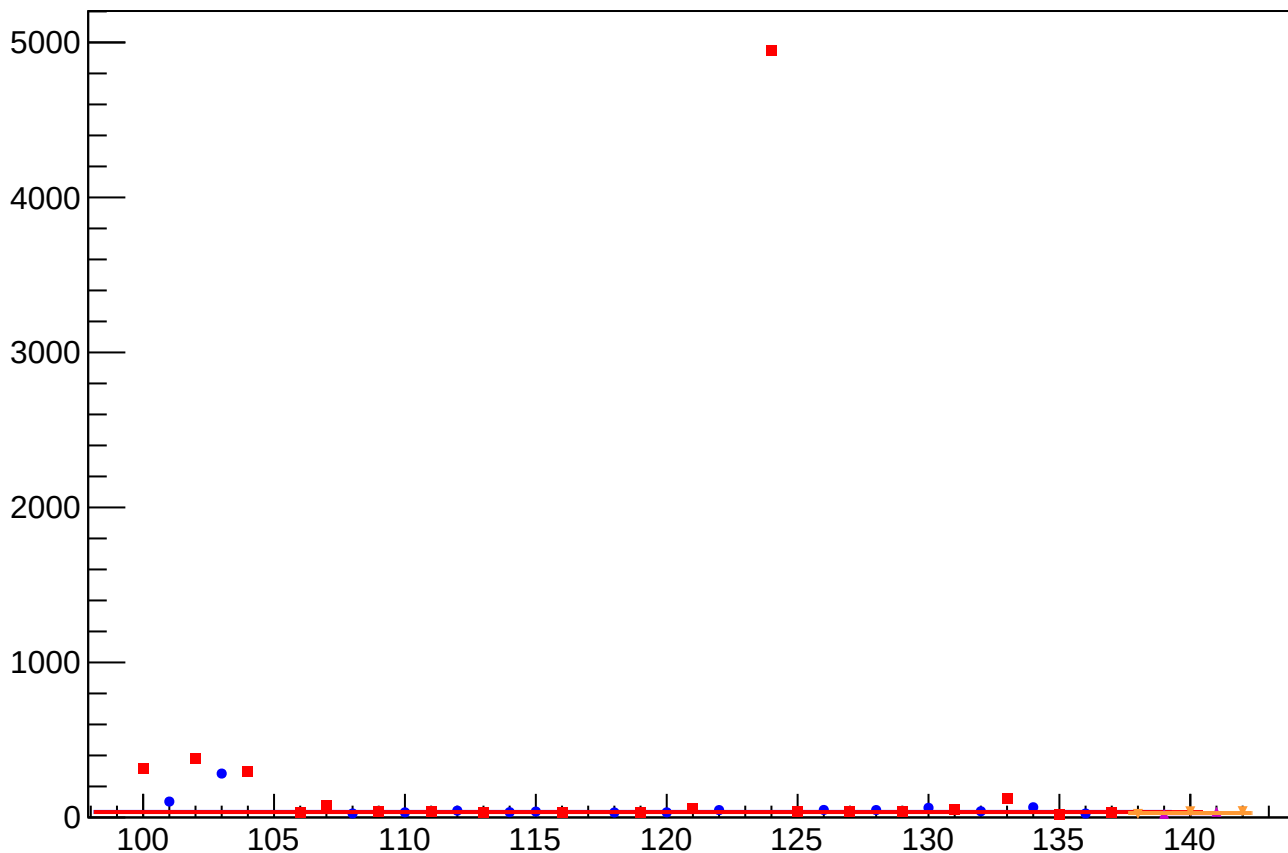
Left In: 0.013 ± 0.024 χ^2/NDF : 0.5/1

+ sign 0.010 ± 0.013 χ^2/NDF : 14.7/18

All: 0.012 ± 0.009 χ^2/NDF : 31.2/39

- sign 0.013 ± 0.013 χ^2/NDF : 16.5/20

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: 28.564 $\pm$ 0.016 χ^2 /NDF: 272597.1/2

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

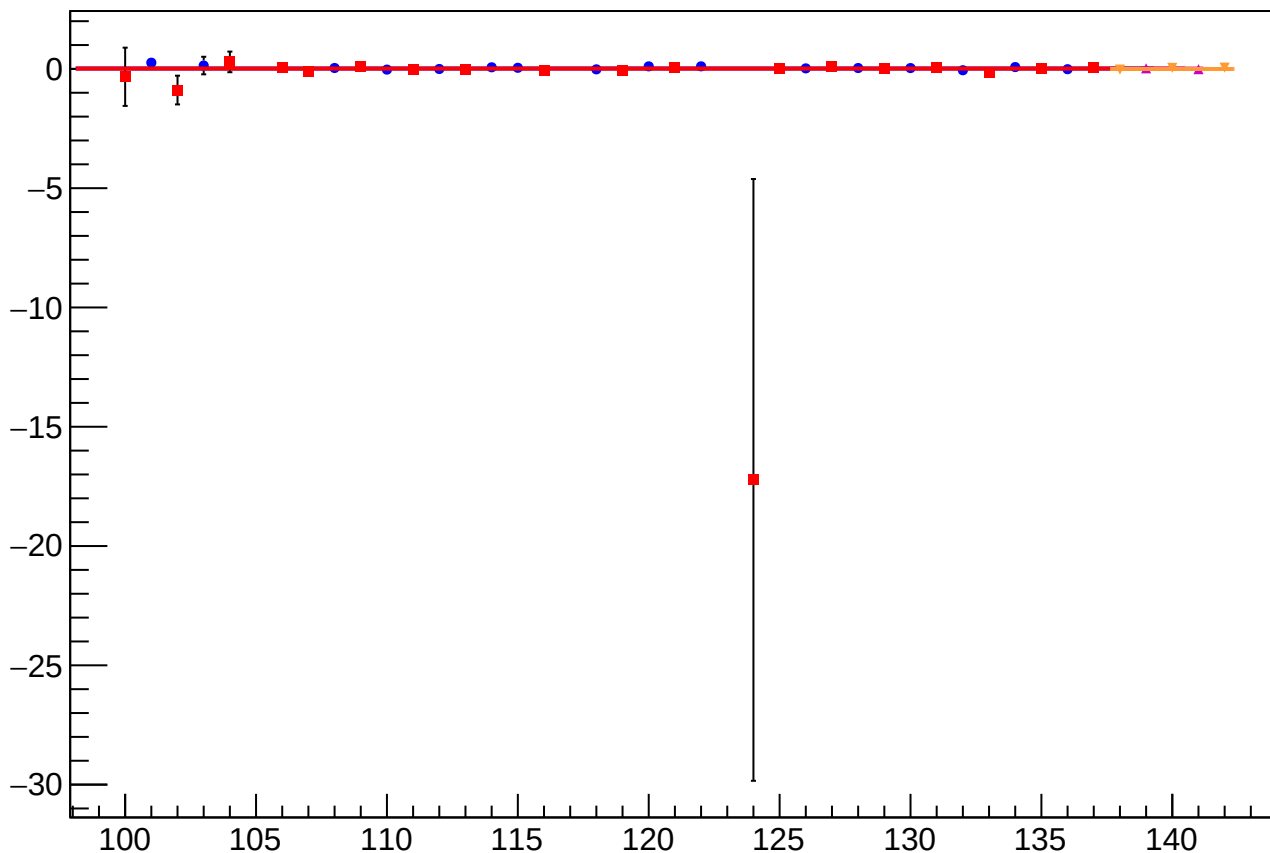
Left In: 27.832 $\pm$ 0.017 χ^2 /NDF: 137553.8/1

+ sign 33.401 $\pm$ 0.009 χ^2 /NDF: 2678202.9/18

All: 33.085 $\pm$ 0.006 χ^2 /NDF: 5849605.9/39

- sign 32.745 $\pm$ 0.009 χ^2 /NDF: 3168816.5/20

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 $\chi^2/\text{NDF}: 11.5/15$

Left Out: -0.003 ± 0.022 $\chi^2/\text{NDF}: 2.7/2$

Right Out: 0.014 ± 0.016 $\chi^2/\text{NDF}: 16.0/18$

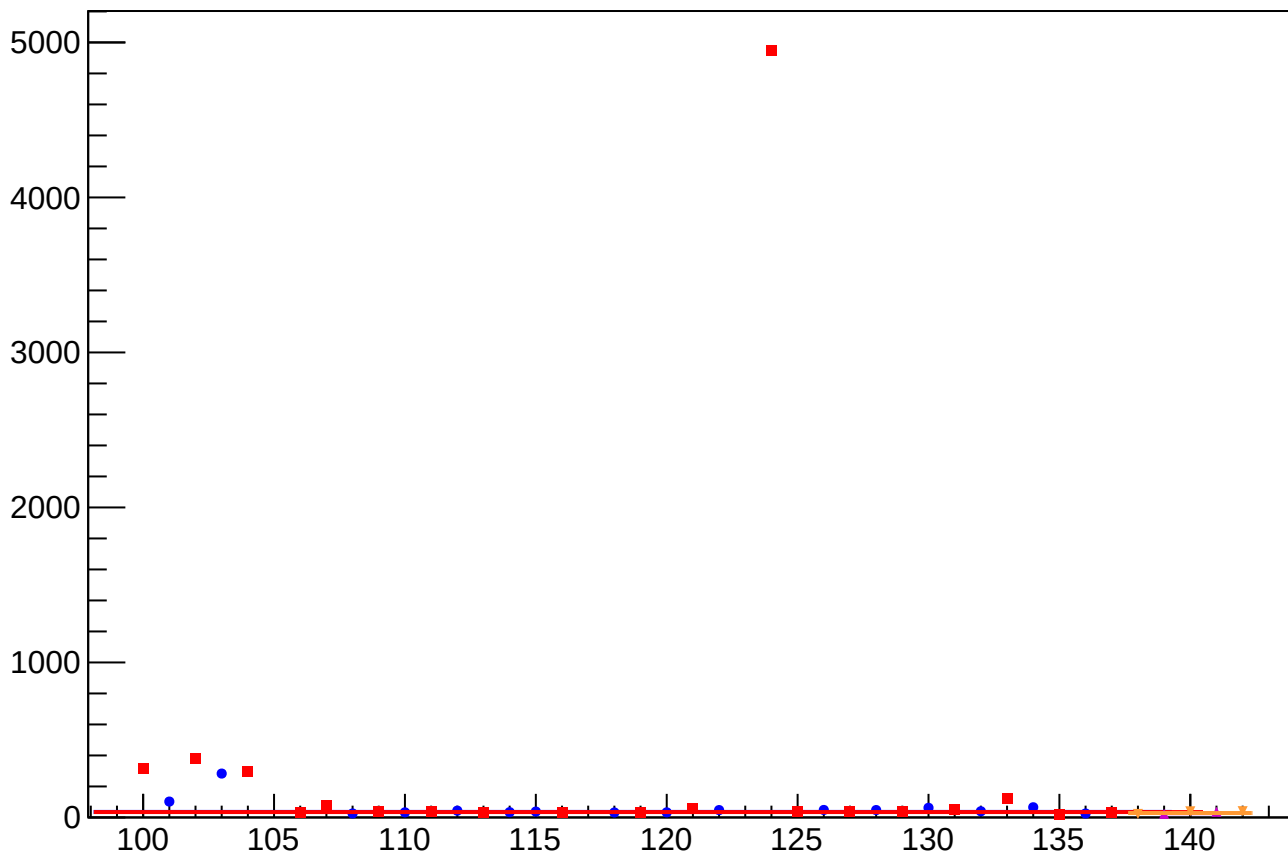
Left In: 0.013 ± 0.024 $\chi^2/\text{NDF}: 0.5/1$

+ sign 0.010 ± 0.013 $\chi^2/\text{NDF}: 14.7/18$

All: 0.012 ± 0.009 $\chi^2/\text{NDF}: 31.2/39$

- sign 0.013 ± 0.013 $\chi^2/\text{NDF}: 16.5/20$

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: 28.564 $\pm$ 0.016 χ^2 /NDF: 272597.1/2

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

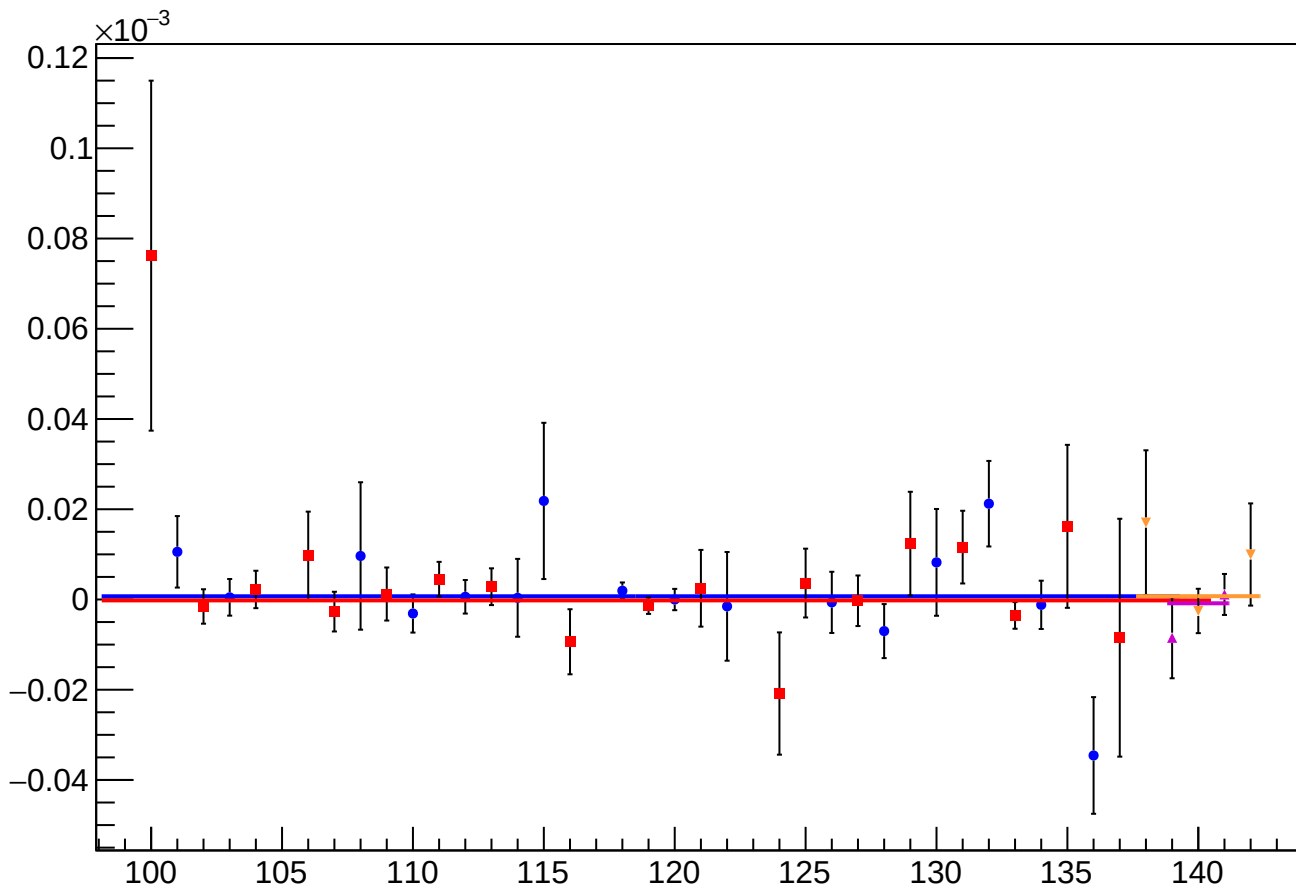
Left In: 27.832 $\pm$ 0.017 χ^2 /NDF: 137553.8/1

+ sign 33.401 $\pm$ 0.009 χ^2 /NDF: 2678202.9/18

All: 33.085 $\pm$ 0.006 χ^2 /NDF: 5849605.9/39

- sign 32.745 $\pm$ 0.009 χ^2 /NDF: 3168816.5/20

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: 2.1/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/18

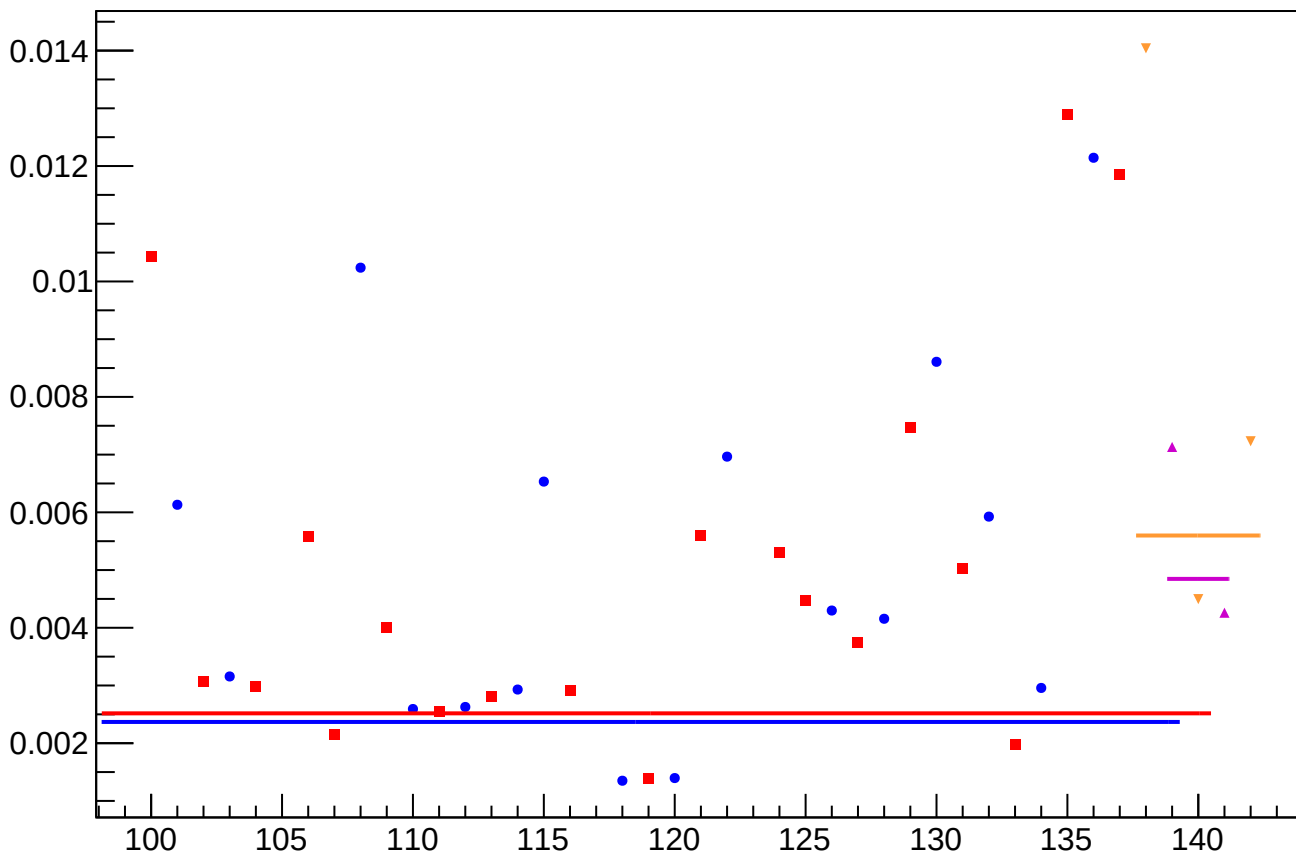
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.7/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/20

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: 0.006+/-0.000 χ^2/NDF : 696638.7/2

Right Out: 0.003+/-0.000 χ^2/NDF : 3397462.9/18

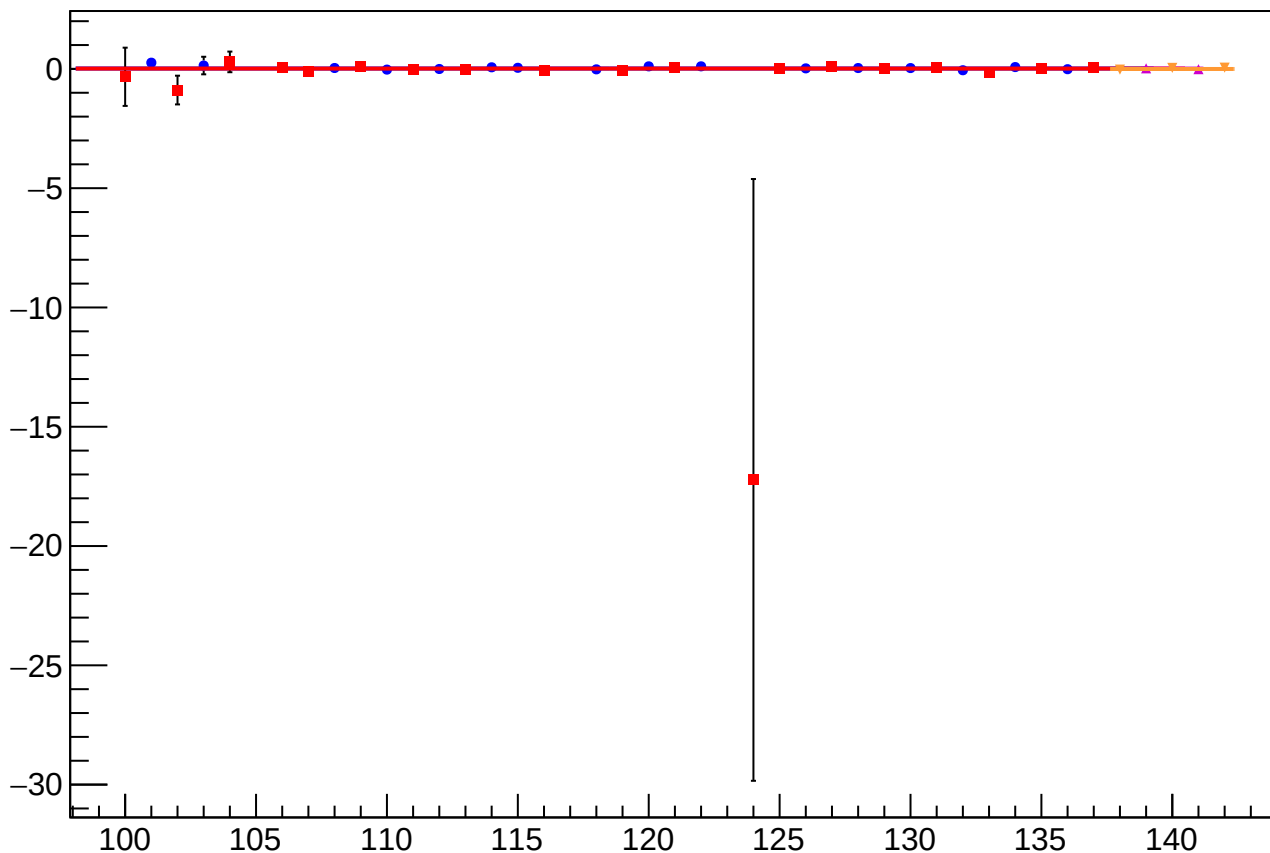
Left In: 0.005+/-0.000 χ^2/NDF : 163119.1/1

+ sign 0.003+/-0.000 χ^2/NDF : 6457716.1/18

All: 0.003+/-0.000 χ^2/NDF : 10645806.3/39

- sign 0.003+/-0.000 χ^2/NDF : 4178584.2/20

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: -0.003 $\pm$ 0.022 χ^2 /NDF: 2.7/2

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

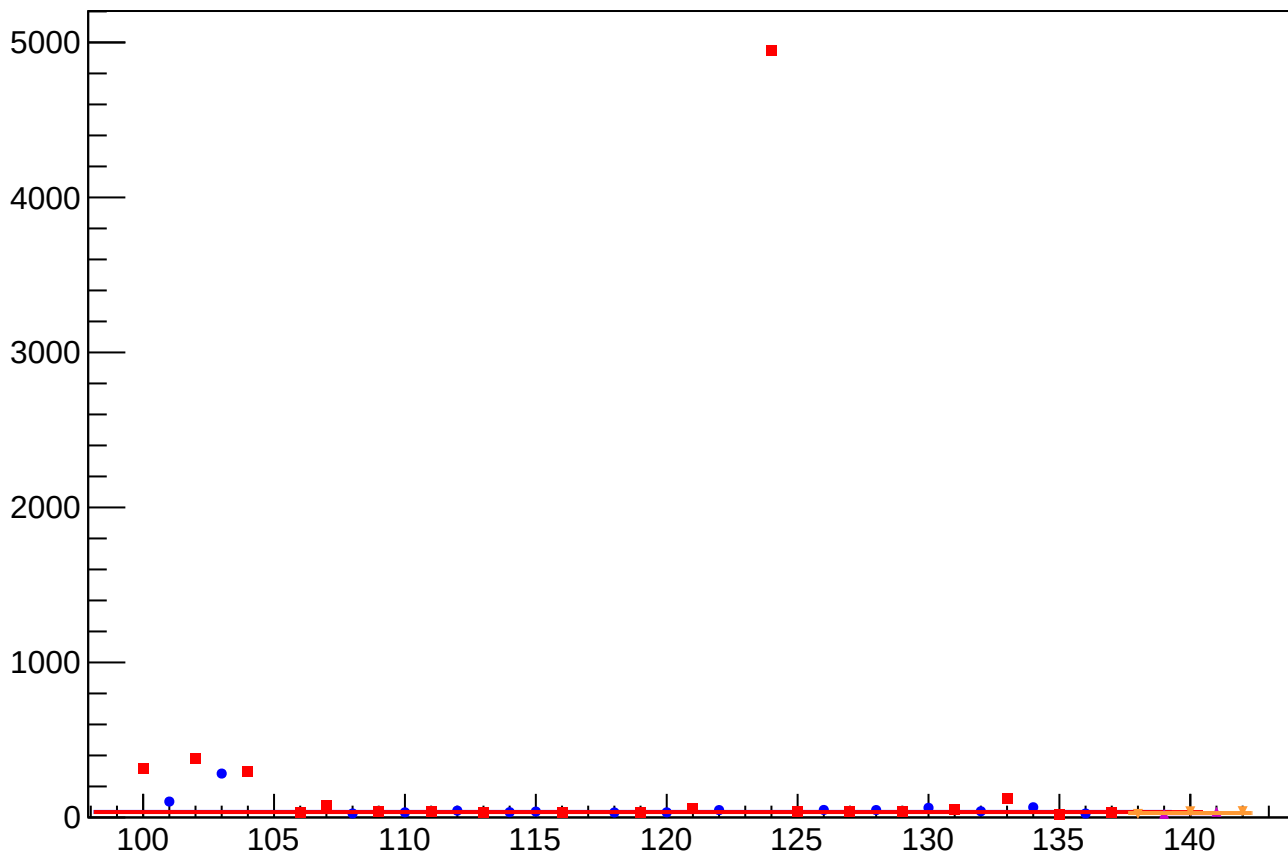
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.010 $\pm$ 0.013 χ^2 /NDF: 14.7/18

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 31.2/39

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

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: 28.563 $\pm$ 0.016 χ^2 /NDF: 272748.3/2

Right Out: 34.798 $\pm$ 0.011 χ^2 /NDF: 2913962.5/18

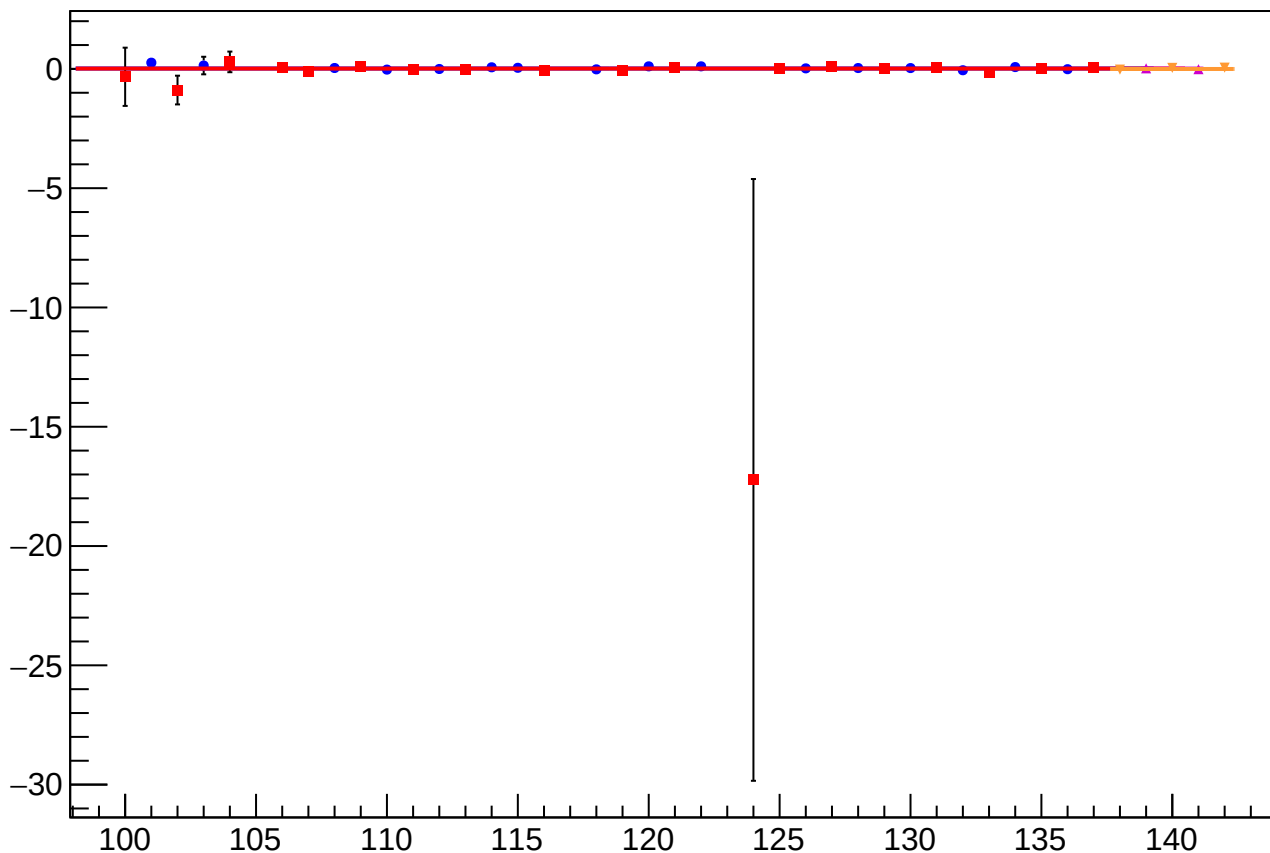
Left In: 27.827 $\pm$ 0.017 χ^2 /NDF: 137739.1/1

+ sign 33.402 $\pm$ 0.009 χ^2 /NDF: 2678154.4/18

All: 33.085 $\pm$ 0.006 χ^2 /NDF: 5849771.3/39

- sign 32.744 $\pm$ 0.009 χ^2 /NDF: 3169017.0/20

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 $\chi^2/\text{NDF}: 11.5/15$

Left Out: -0.003 ± 0.022 $\chi^2/\text{NDF}: 2.7/2$

Right Out: 0.014 ± 0.016 $\chi^2/\text{NDF}: 16.0/18$

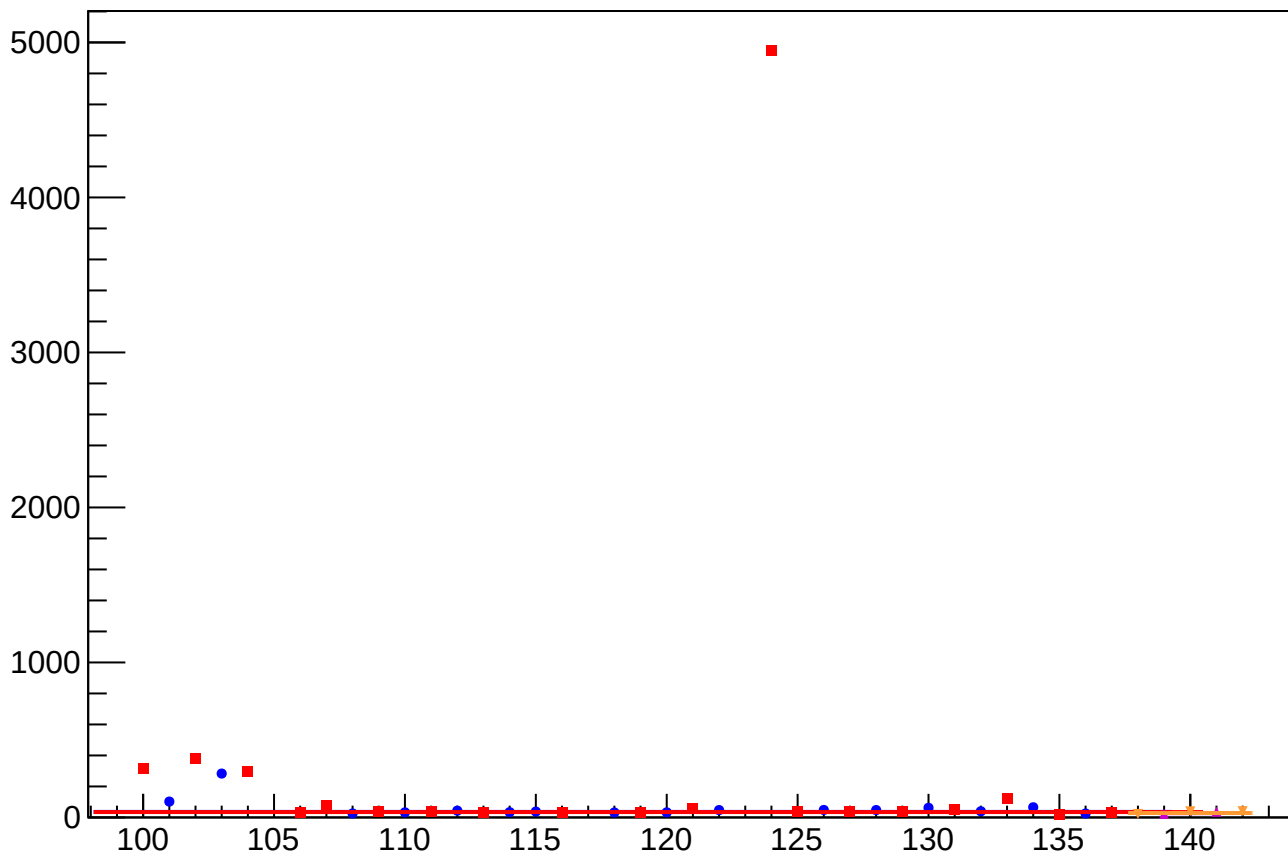
Left In: 0.013 ± 0.024 $\chi^2/\text{NDF}: 0.5/1$

+ sign 0.010 ± 0.013 $\chi^2/\text{NDF}: 14.7/18$

All: 0.012 ± 0.009 $\chi^2/\text{NDF}: 31.2/39$

- sign 0.013 ± 0.013 $\chi^2/\text{NDF}: 16.5/20$

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF : 2264513.9/15

Left Out: 28.563+/-0.016 χ^2/NDF : 272748.3/2

Right Out: 34.798+/-0.011 χ^2/NDF : 2913962.5/18

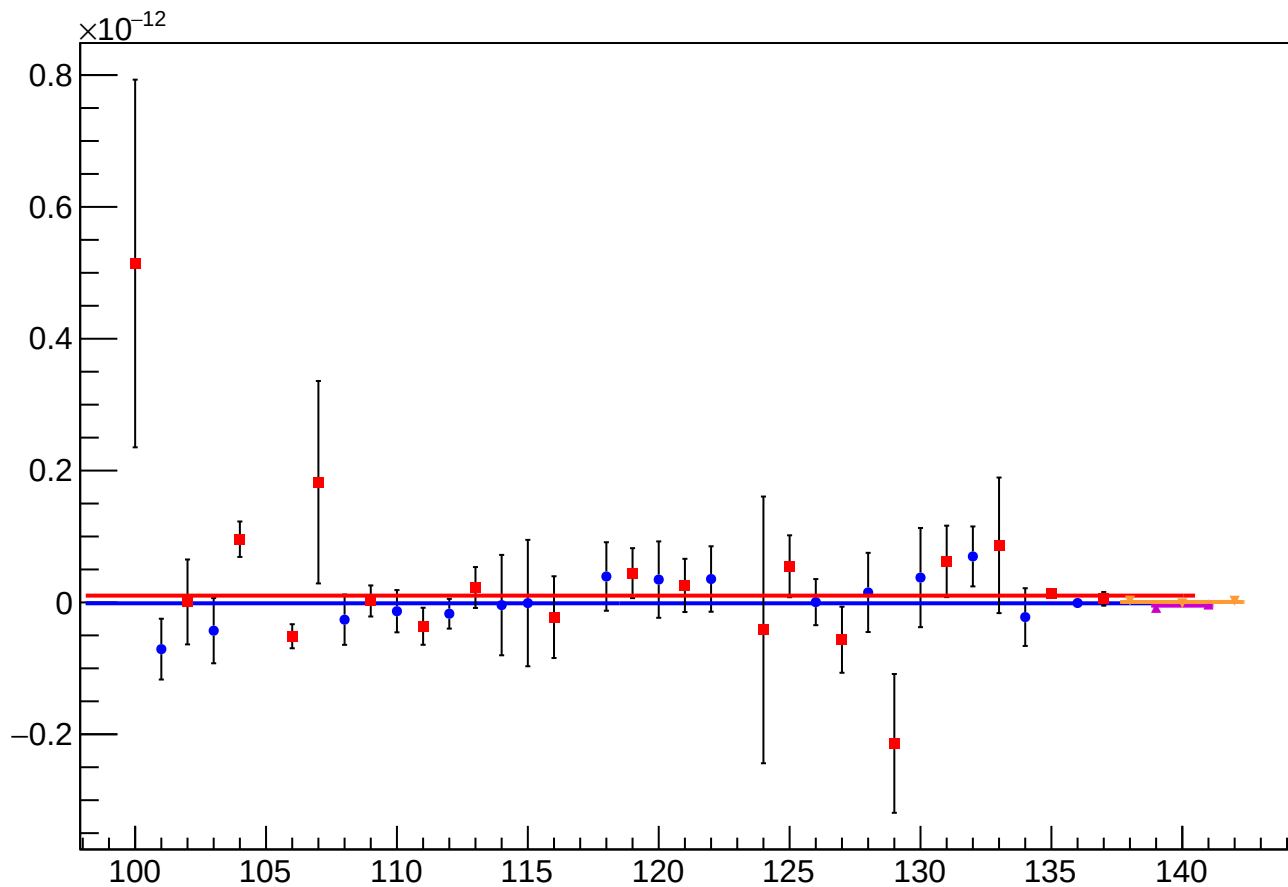
Left In: 27.827+/-0.017 χ^2/NDF : 137739.1/1

+ sign 33.402+/-0.009 χ^2/NDF : 2678154.4/18

All: 33.085+/-0.006 χ^2/NDF : 5849771.3/39

- sign 32.744+/-0.009 χ^2/NDF : 3169017.0/20

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 : 0.6/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.9/18

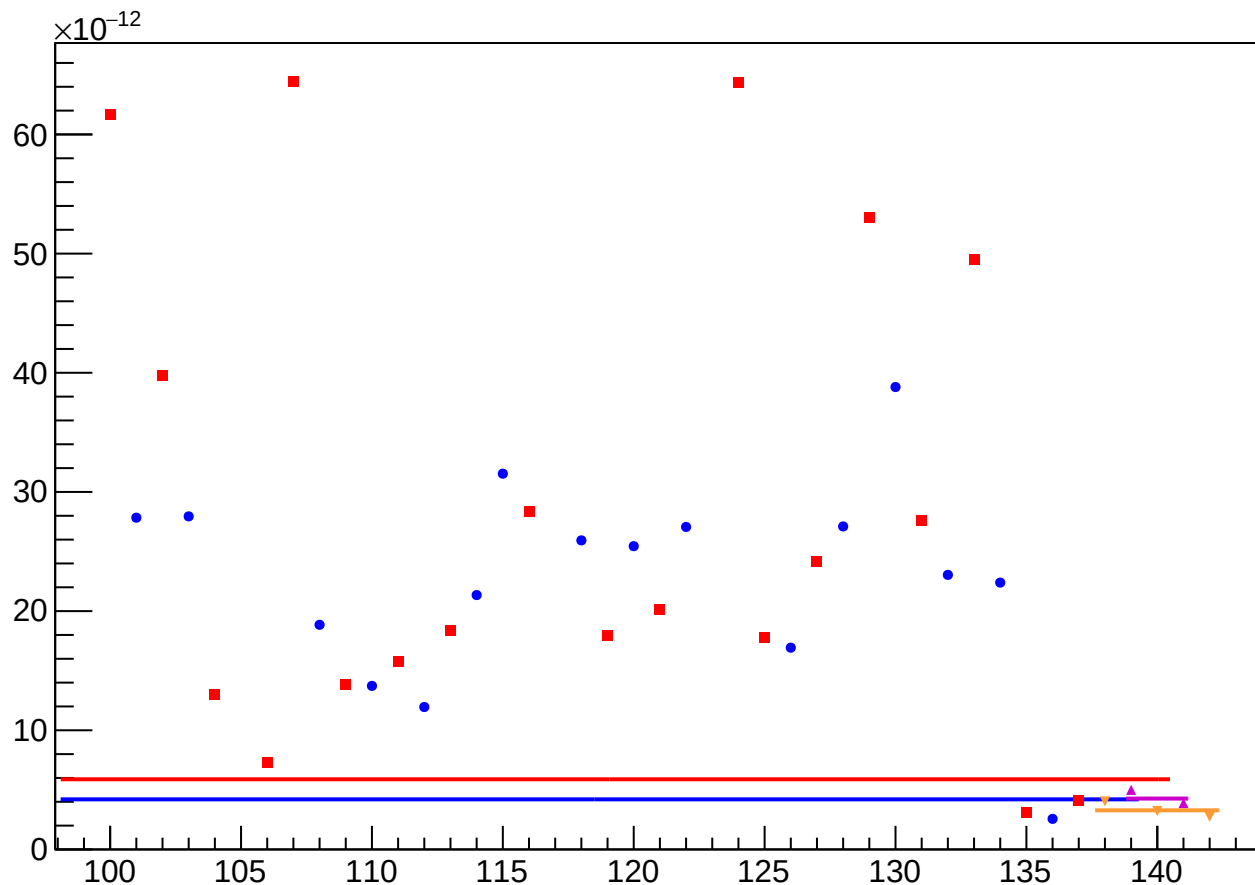
Left In: -0.000 ± 0.000 χ^2/NDF : 0.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 9.4/18

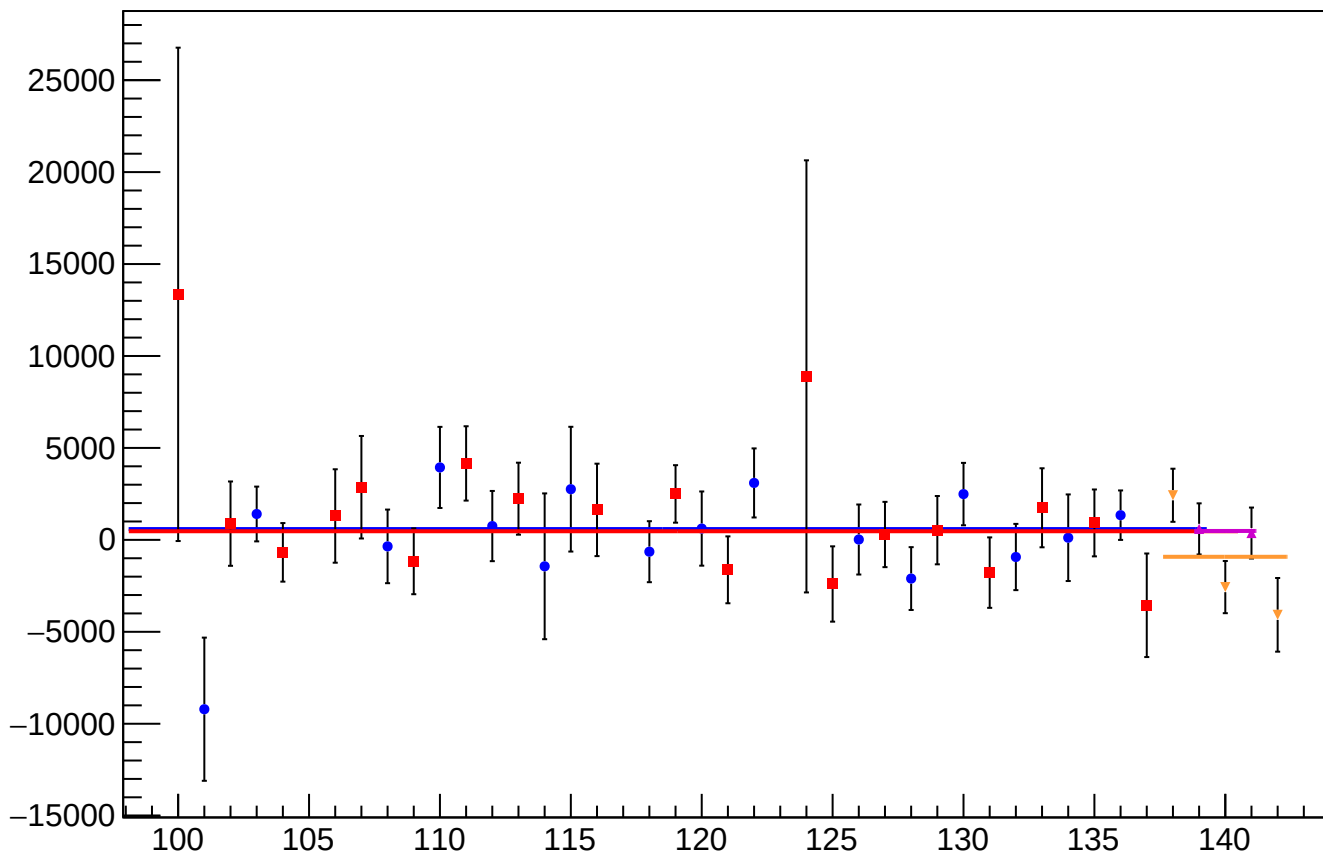
All: 0.000 ± 0.000 χ^2/NDF : 57.1/39

- sign 0.000 ± 0.000 χ^2/NDF : 47.3/20

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF : 17.1/15

Left Out: -920.488+/-903.218 χ^2/NDF : 9.2/2

Right Out: 469.012+/-480.516 χ^2/NDF : 16.9/18

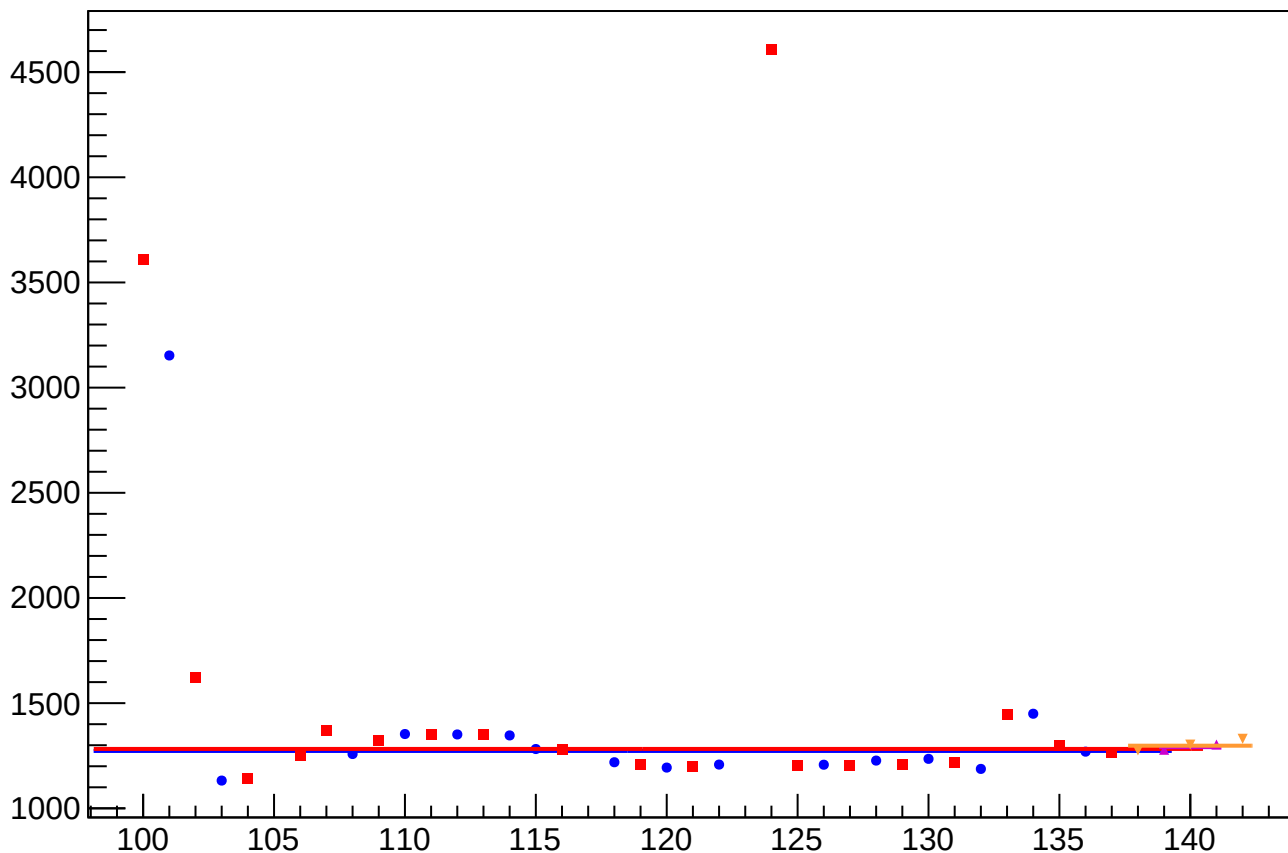
Left In: 483.916+/-981.051 χ^2/NDF : 0.0/1

+ sign 252.337+/-425.536 χ^2/NDF : 28.4/18

All: 360.580+/-302.998 χ^2/NDF : 45.4/39

- sign 471.896+/-431.533 χ^2/NDF : 16.9/20

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: 1297.744 $\pm$ 0.639 χ^2 /NDF:1041.7/2

Right Out: 1282.365 $\pm$ 0.340 χ^2 /NDF: 322078.6/18

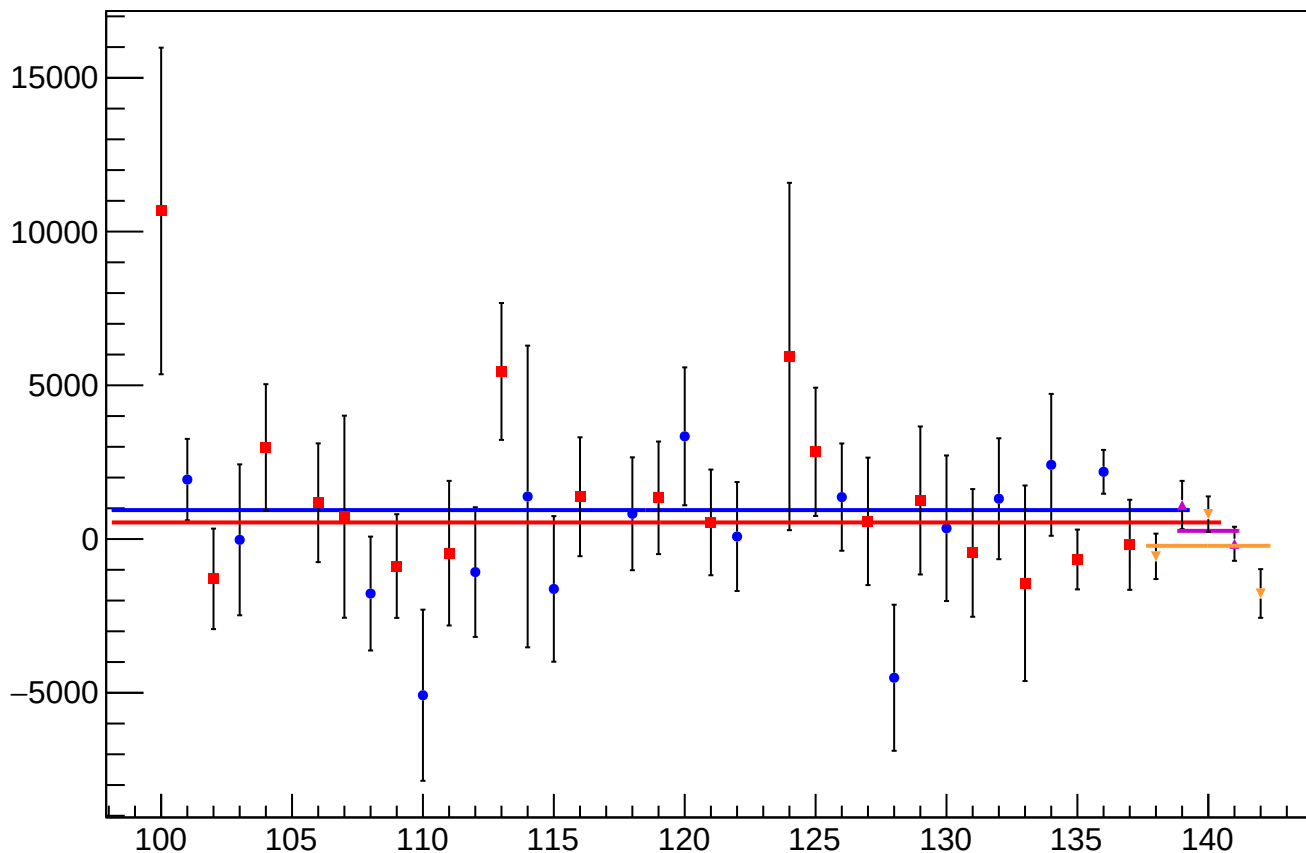
Left In: 1290.901 $\pm$ 0.694 χ^2 /NDF:316.8/1

+ sign 1278.340 $\pm$ 0.301 χ^2 /NDF: 521526.2/18

All: 1281.139 $\pm$ 0.214 χ^2 /NDF: 844219.3/39

- sign 1284.017 $\pm$ 0.305 χ^2 /NDF: 322517.6/20

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759 ± 425.837 $\chi^2/\text{NDF}: 19.9/15$

Left Out: -219.882 ± 394.048 $\chi^2/\text{NDF}: 7.3/2$

Right Out: 540.622 ± 439.905 $\chi^2/\text{NDF}: 17.2/18$

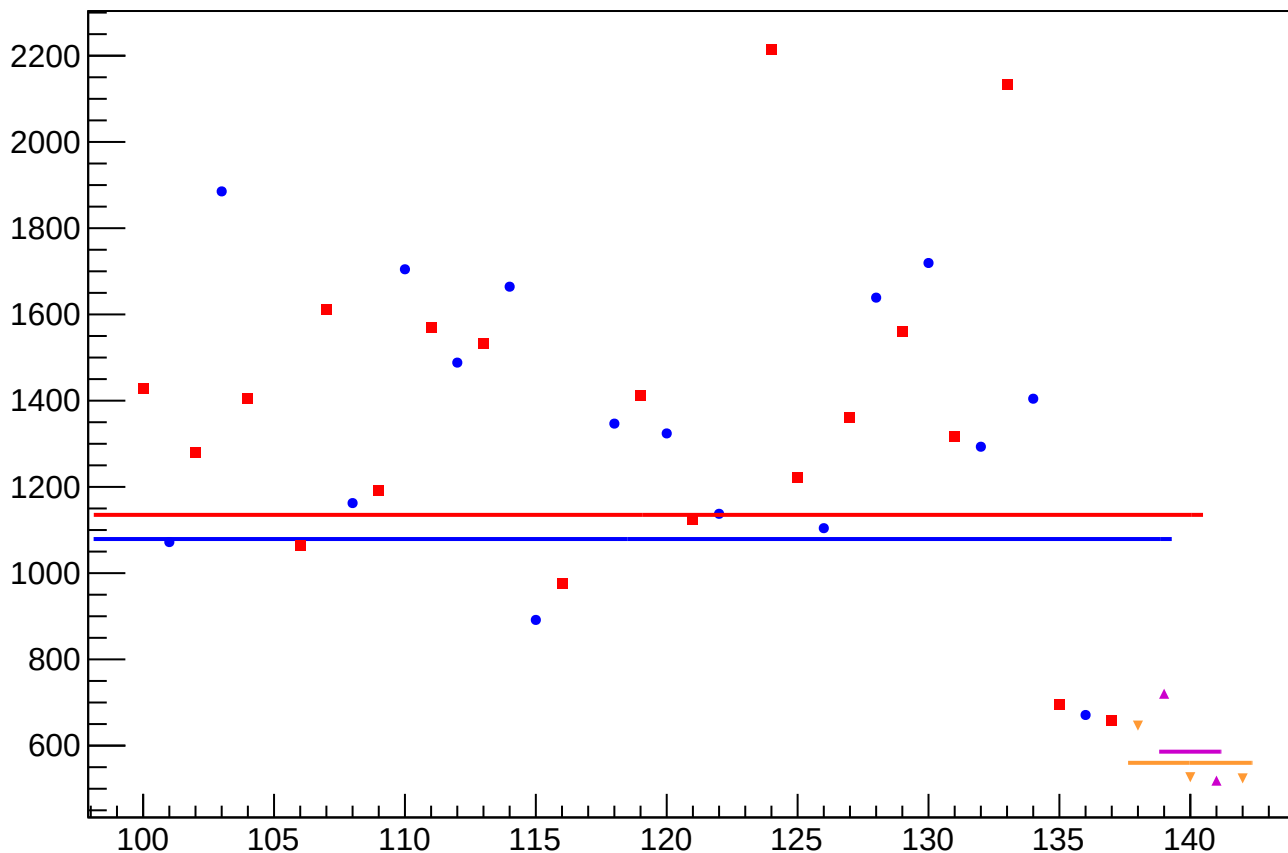
Left In: 266.801 ± 452.548 $\chi^2/\text{NDF}: 1.7/1$

+ sign 315.967 ± 289.220 $\chi^2/\text{NDF}: 31.2/18$

All: 357.814 ± 213.176 $\chi^2/\text{NDF}: 50.3/39$

- sign 407.590 ± 315.435 $\chi^2/\text{NDF}: 19.1/20$

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2 /NDF: 1482232.0/15

Left Out: 560.114+/-0.279 χ^2 /NDF: 38188.8/2

Right Out: 1135.161+/-0.311 χ^2 /NDF: 1293082.2/18

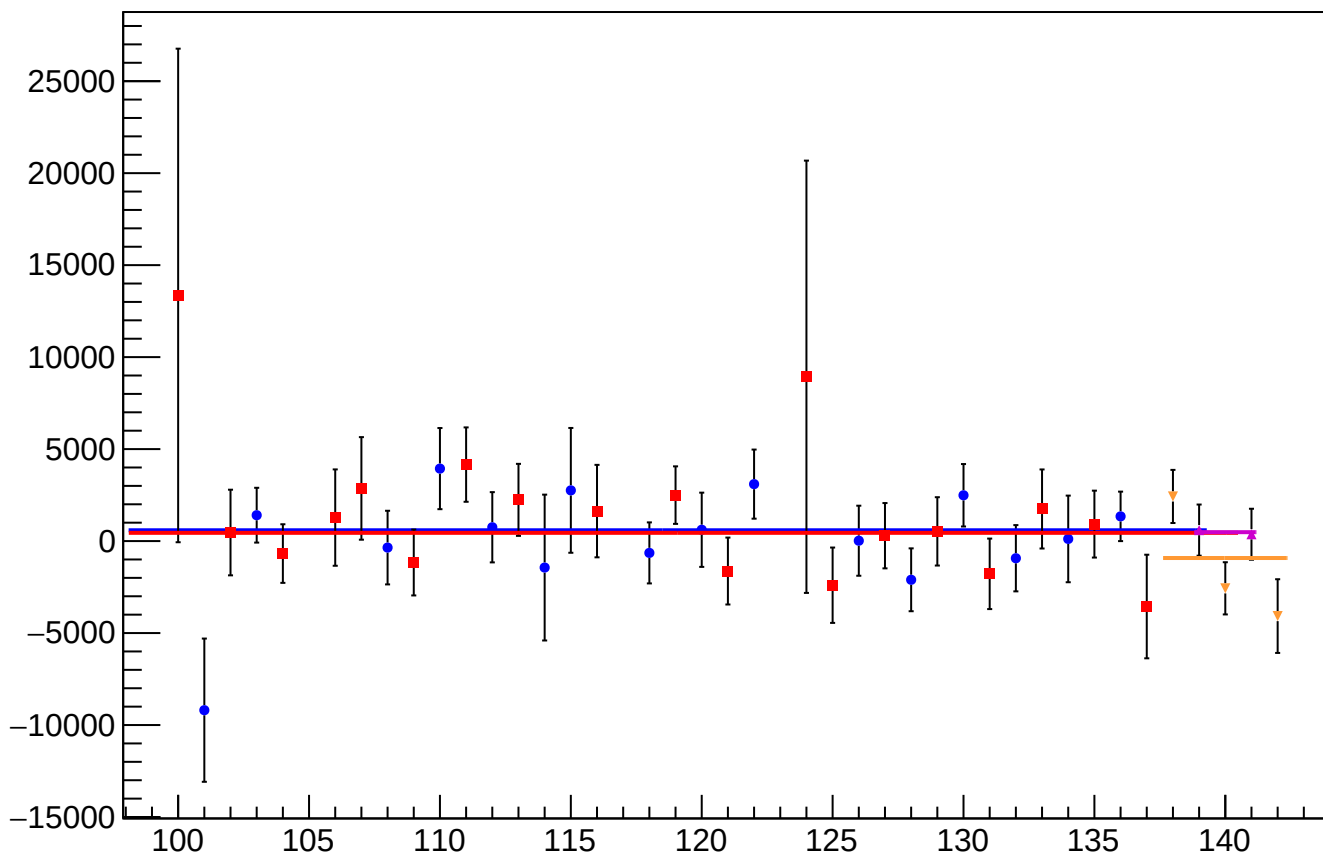
Left In: 585.978+/-0.320 χ^2 /NDF: 88146.9/1

+ sign 799.524+/-0.205 χ^2 /NDF: 3120887.7/18

All: 830.958+/-0.151 χ^2 /NDF: 6068224.8/39

- sign 868.348+/-0.223 χ^2 /NDF: 2895610.4/20

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: -920.664 $\pm$ 903.218 χ^2 /NDF: 9.2/2

Right Out: 448.412 $\pm$ 481.333 χ^2 /NDF: 16.8/18

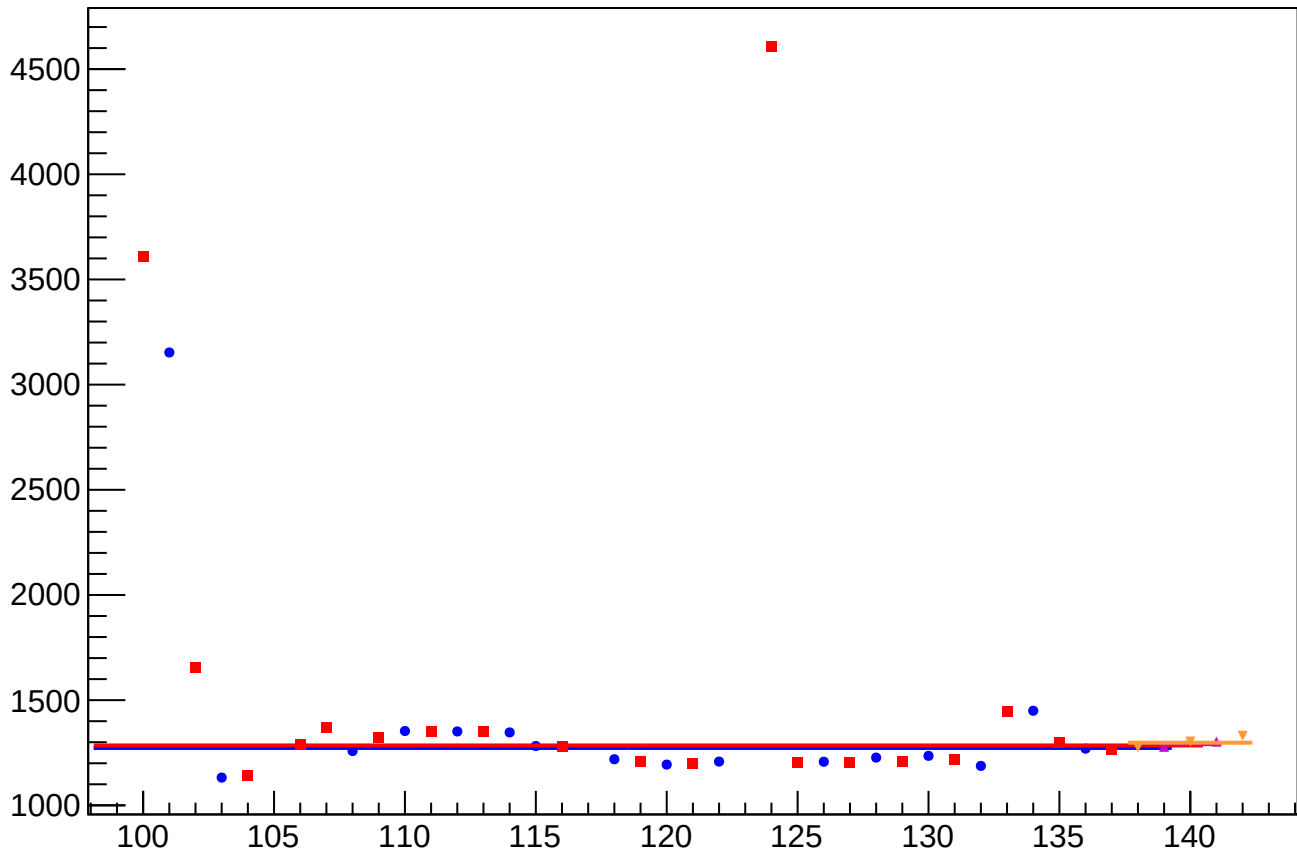
Left In: 483.795 $\pm$ 981.051 χ^2 /NDF: 0.0/1

+ sign 252.546 $\pm$ 425.536 χ^2 /NDF: 28.4/18

All: 352.354 $\pm$ 303.202 χ^2 /NDF: 45.4/39

- sign 455.277 $\pm$ 432.125 χ^2 /NDF: 16.8/20

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF : 519299.6/15

Left Out: 1297.744+/-0.639 χ^2/NDF : 1041.7/2

Right Out: 1284.654+/-0.340 χ^2/NDF : 328734.9/18

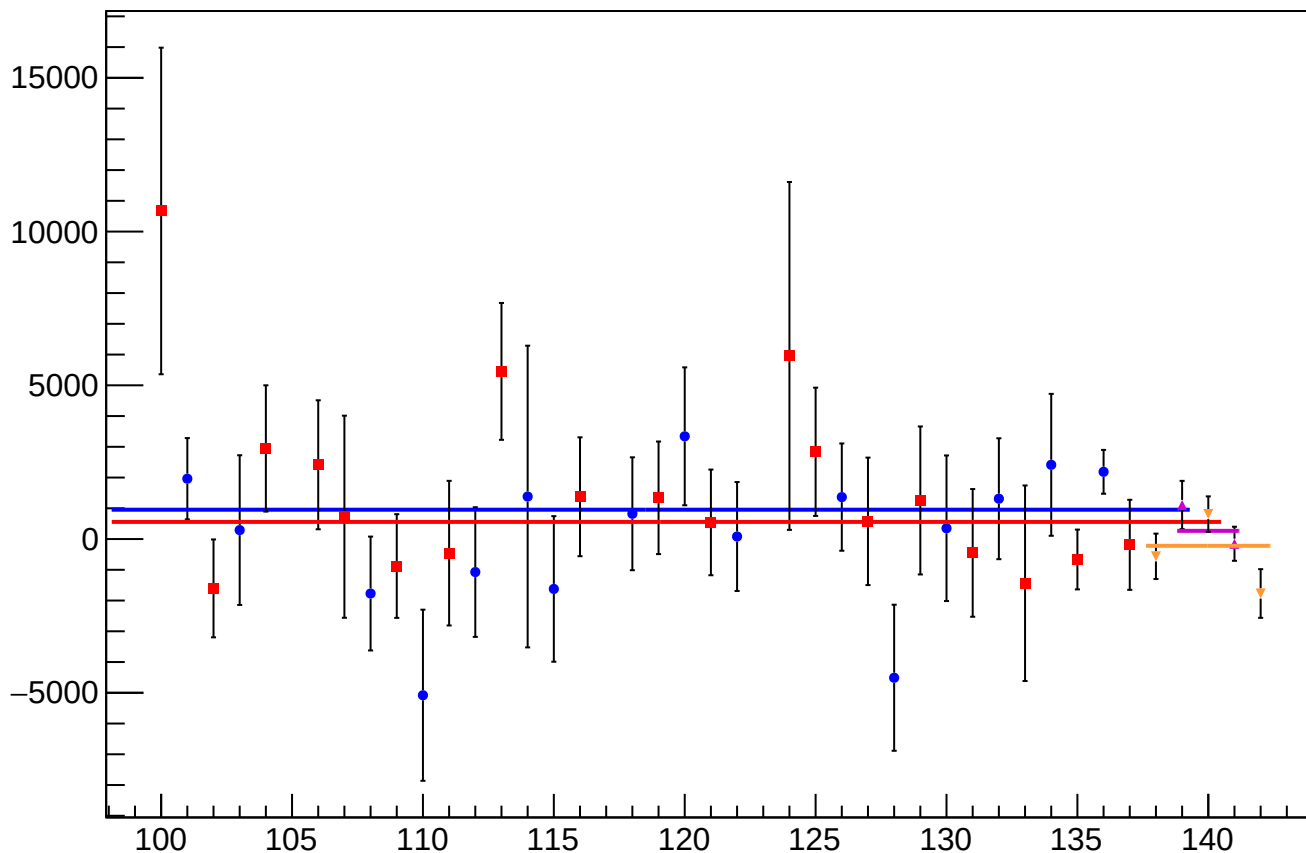
Left In: 1290.901+/-0.694 χ^2/NDF : 316.8/1

+ sign 1278.340+/-0.301 χ^2/NDF : 521527.7/18

All: 1282.045+/-0.214 χ^2/NDF : 850952.8/39

- sign 1285.866+/-0.306 χ^2/NDF : 329117.1/20

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: -219.841 $\pm$ 394.062 χ^2 /NDF:7.3/2

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

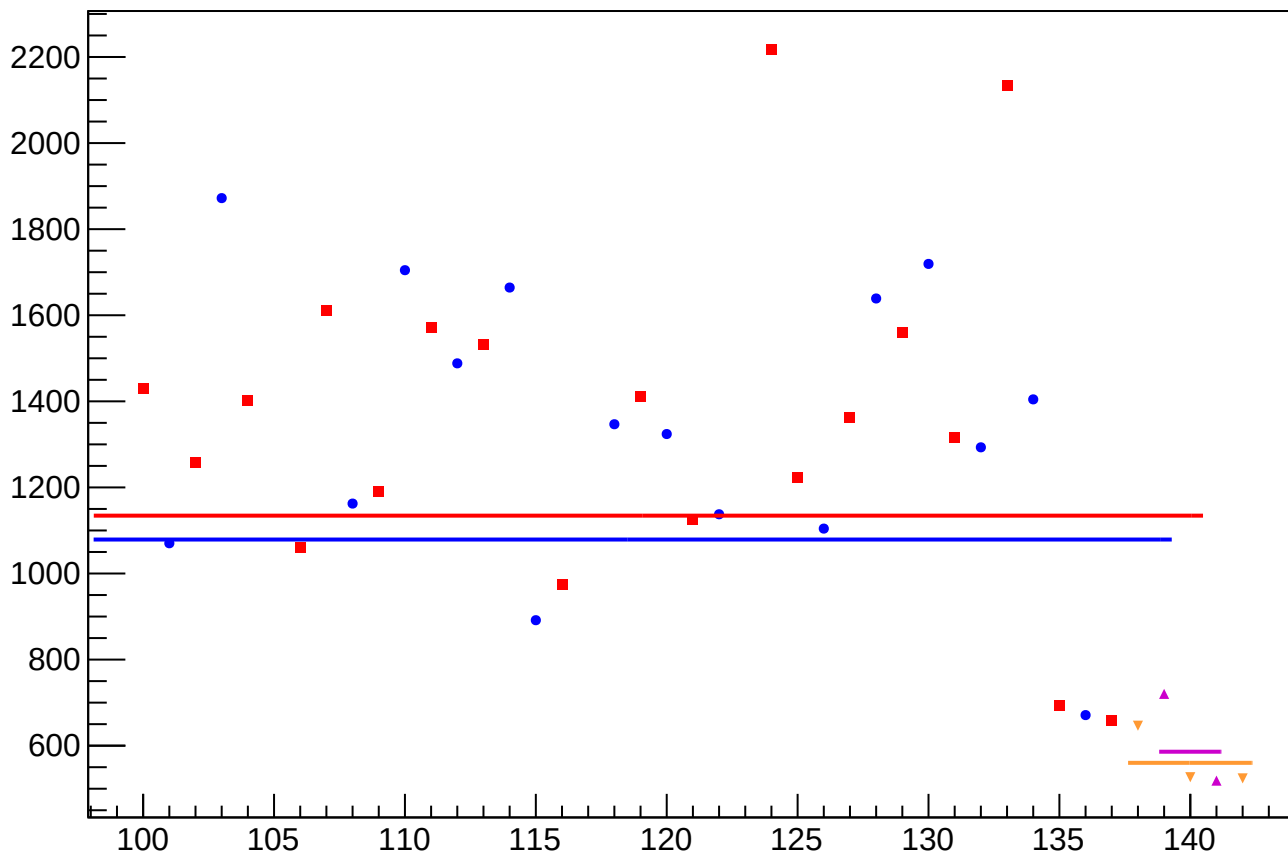
Left In: 266.941 $\pm$ 452.536 χ^2 /NDF:1.7/1

+ sign 321.965 $\pm$ 289.170 χ^2 /NDF: 31.2/18

All: 364.985 $\pm$ 213.251 χ^2 /NDF: 51.6/39

- sign 416.274 $\pm$ 315.745 χ^2 /NDF: 20.3/20

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932 +/- 0.301 χ^2/NDF : 1478719.9/15

Left Out: 560.135 +/- 0.279 χ^2/NDF : 38168.8/2

Right Out: 1134.428 +/- 0.312 χ^2/NDF : 1288899.2/18

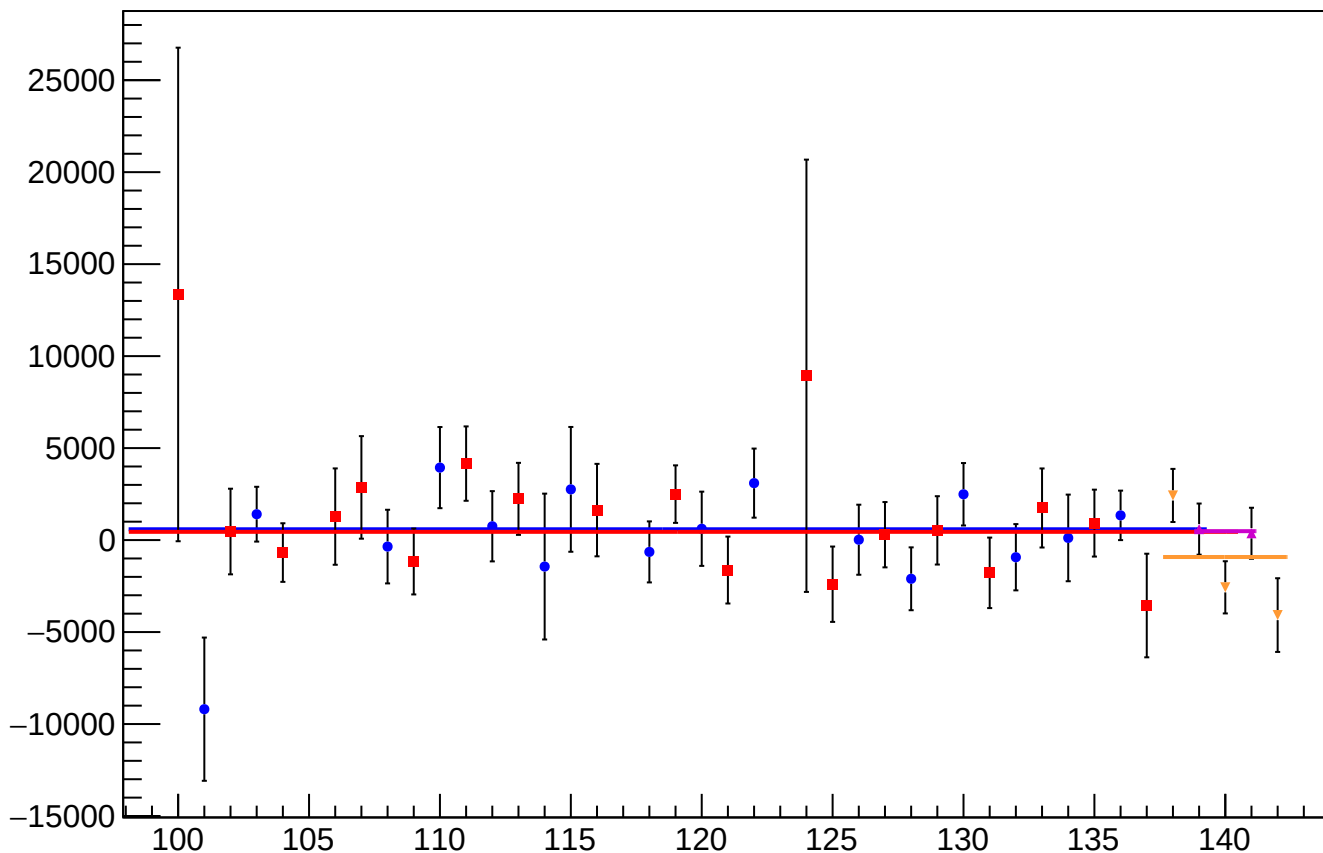
Left In: 585.960 +/- 0.320 χ^2/NDF : 88162.4/1

+ sign 799.565 +/- 0.204 χ^2/NDF : 3116728.9/18

All: 830.519 +/- 0.151 χ^2/NDF : 6051671.6/39

- sign 867.424 +/- 0.223 χ^2/NDF : 2884701.7/20

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: -920.664+/-903.218 χ^2/NDF : 9.2/2

Right Out: 448.412+/-481.333 χ^2/NDF : 16.8/18

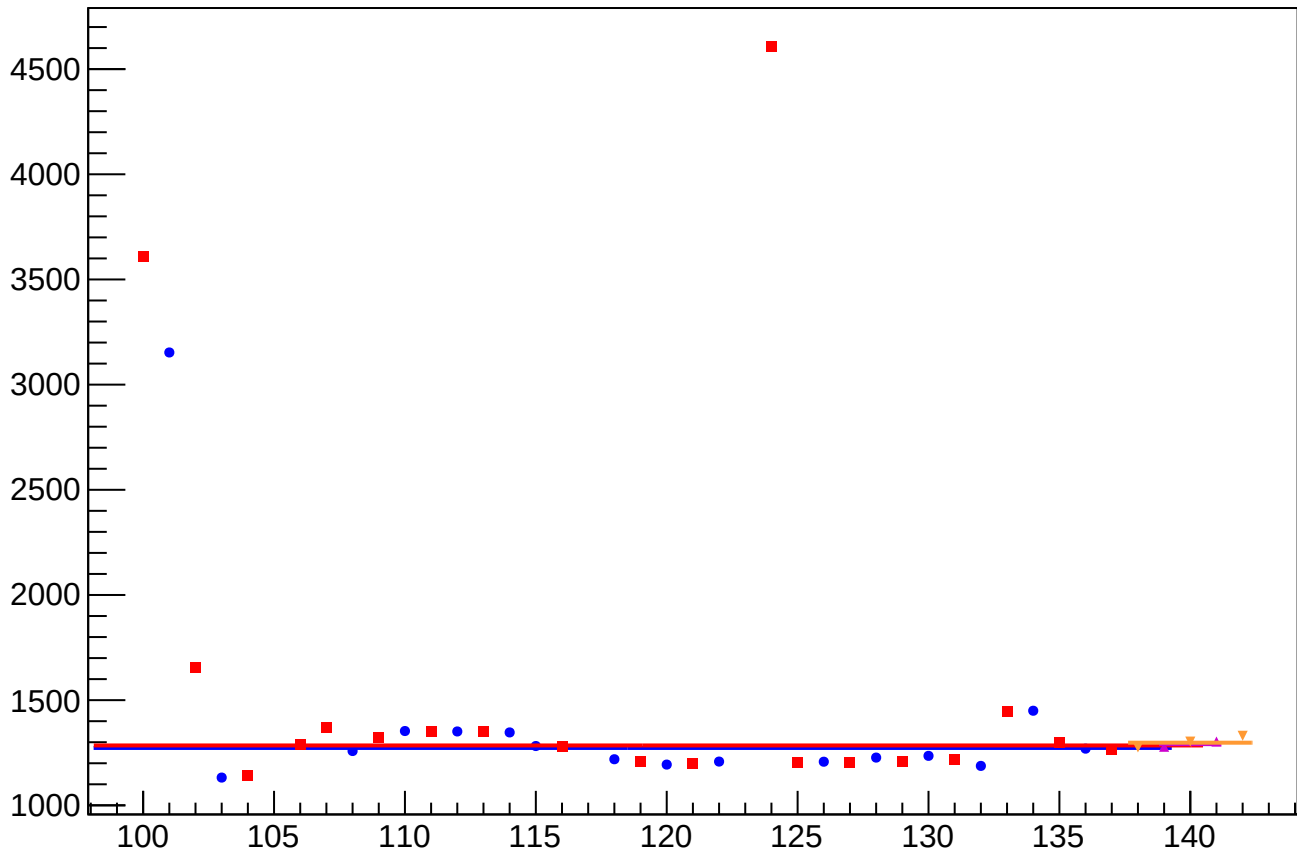
Left In: 483.795+/-981.051 χ^2/NDF : 0.0/1

+ sign 252.546+/-425.536 χ^2/NDF : 28.4/18

All: 352.354+/-303.202 χ^2/NDF : 45.4/39

- sign 455.277+/-432.125 χ^2/NDF : 16.8/20

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF : 519299.6/15

Left Out: 1297.744+/-0.639 χ^2/NDF : 1041.7/2

Right Out: 1284.654+/-0.340 χ^2/NDF : 328734.9/18

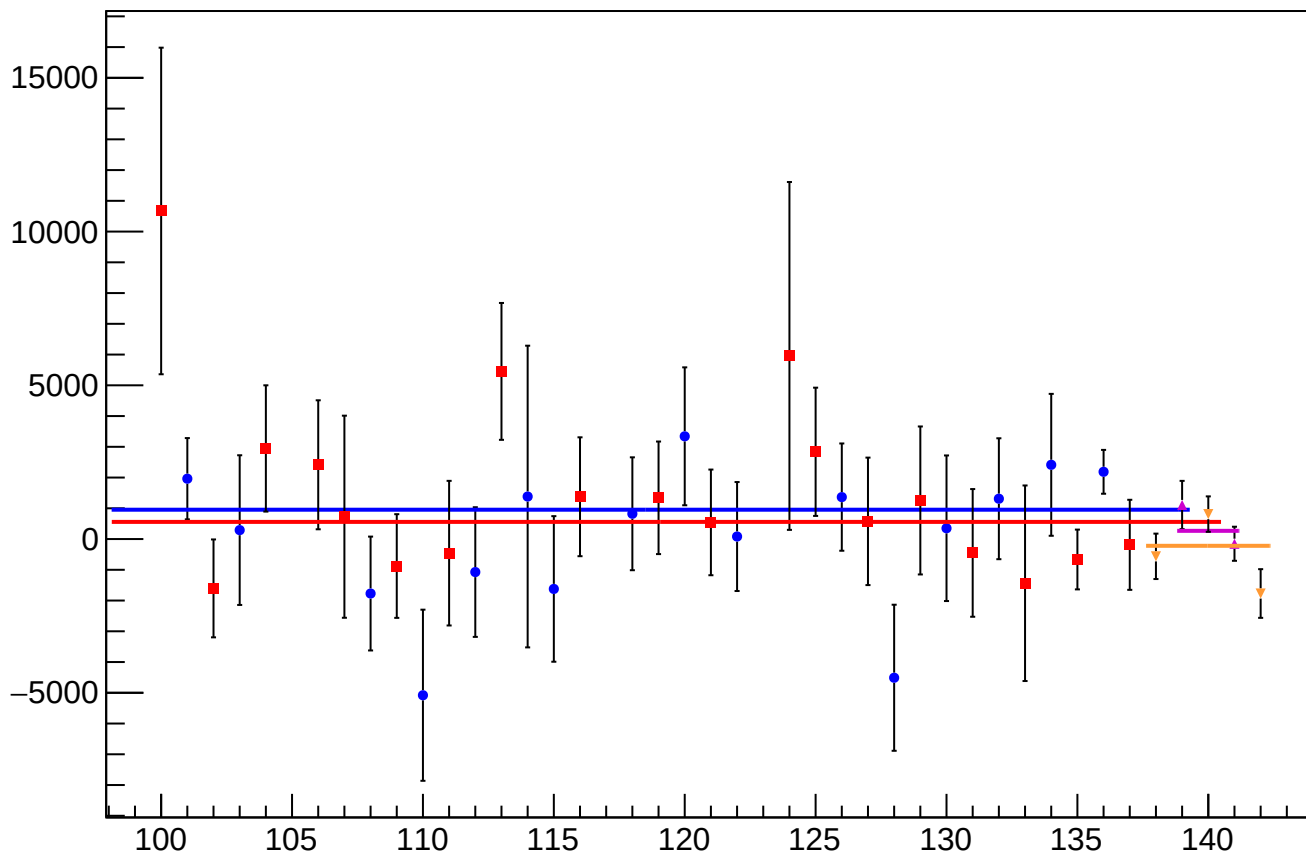
Left In: 1290.901+/-0.694 χ^2/NDF : 316.8/1

+ sign 1278.340+/-0.301 χ^2/NDF : 521527.7/18

All: 1282.045+/-0.214 χ^2/NDF : 850952.8/39

- sign 1285.866+/-0.306 χ^2/NDF : 329117.1/20

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: -219.841 $\pm$ 394.062 χ^2 /NDF:7.3/2

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

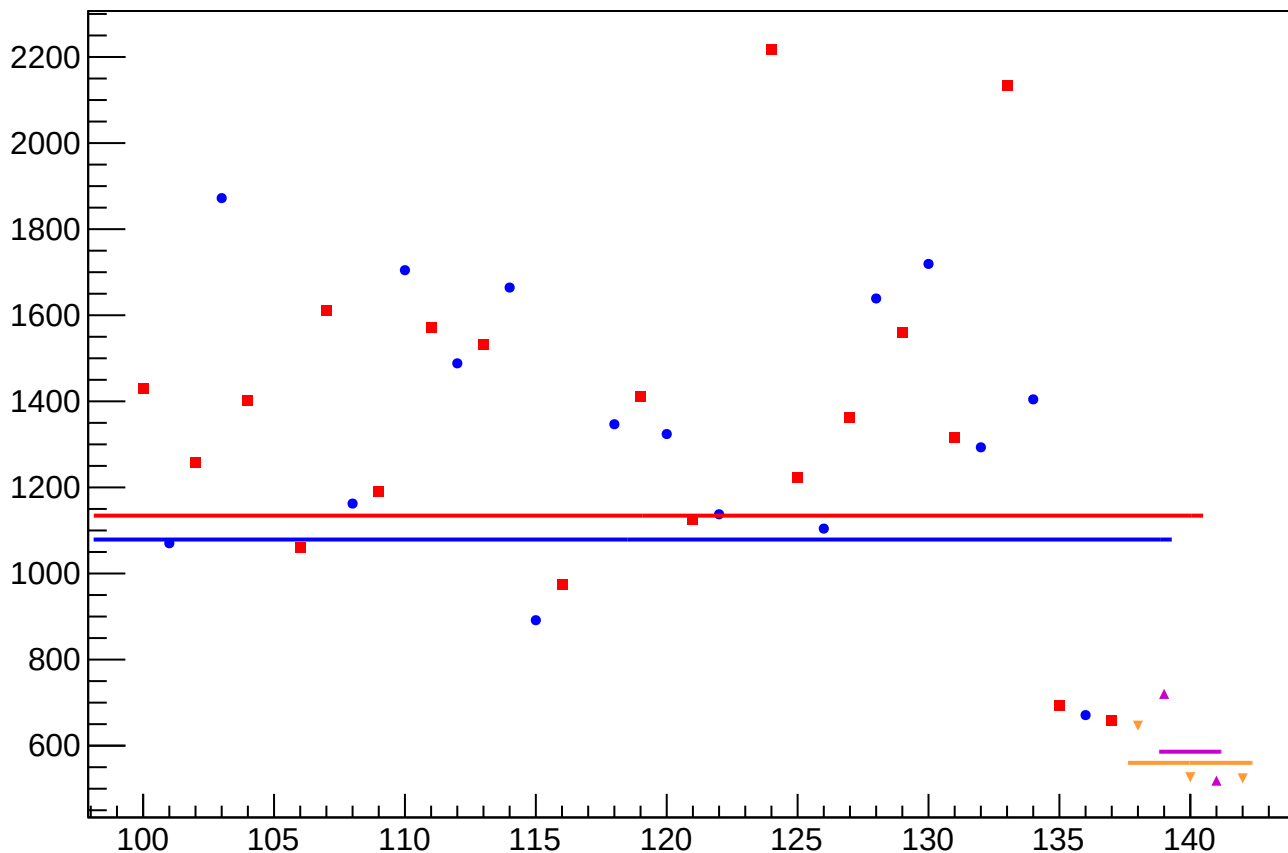
Left In: 266.941 $\pm$ 452.536 χ^2 /NDF:1.7/1

+ sign 321.965 $\pm$ 289.170 χ^2 /NDF: 31.2/18

All: 364.985 $\pm$ 213.251 χ^2 /NDF: 51.6/39

- sign 416.274 $\pm$ 315.745 χ^2 /NDF: 20.3/20

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: 560.135 $\pm$ 0.279 χ^2/NDF : 38168.8/2

Right Out: 1134.428 $\pm$ 0.312 χ^2/NDF : 1288899.2/18

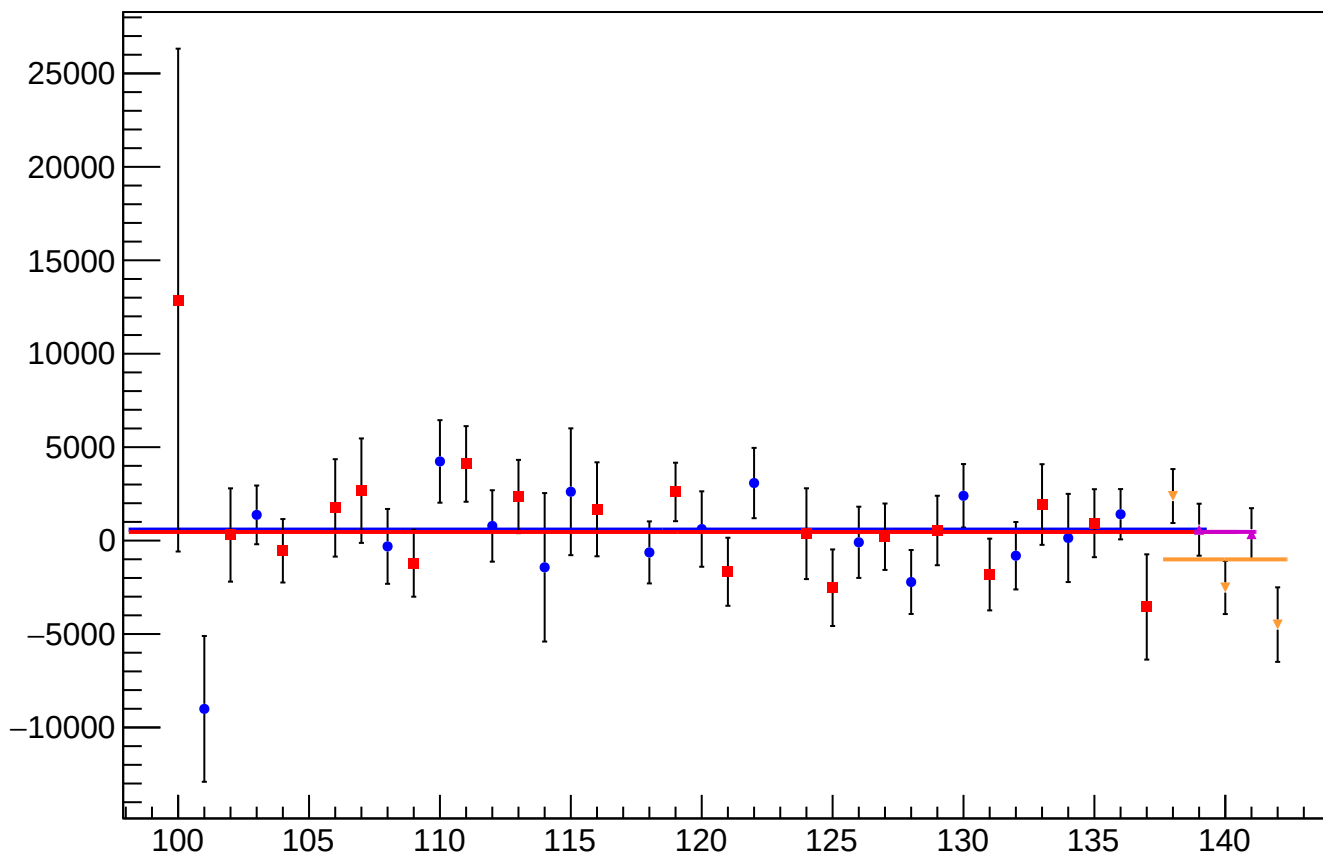
Left In: 585.960 $\pm$ 0.320 χ^2/NDF : 88162.4/1

+ sign 799.565 $\pm$ 0.204 χ^2/NDF : 3116728.9/18

All: 830.519 $\pm$ 0.151 χ^2/NDF : 6051671.6/39

- sign 867.424 $\pm$ 0.223 χ^2/NDF : 2884701.7/20

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF : 17.1/15

Left Out: -1005.111+/-902.868 χ^2/NDF : 9.7/2

Right Out: 462.606+/-476.795 χ^2/NDF : 16.7/18

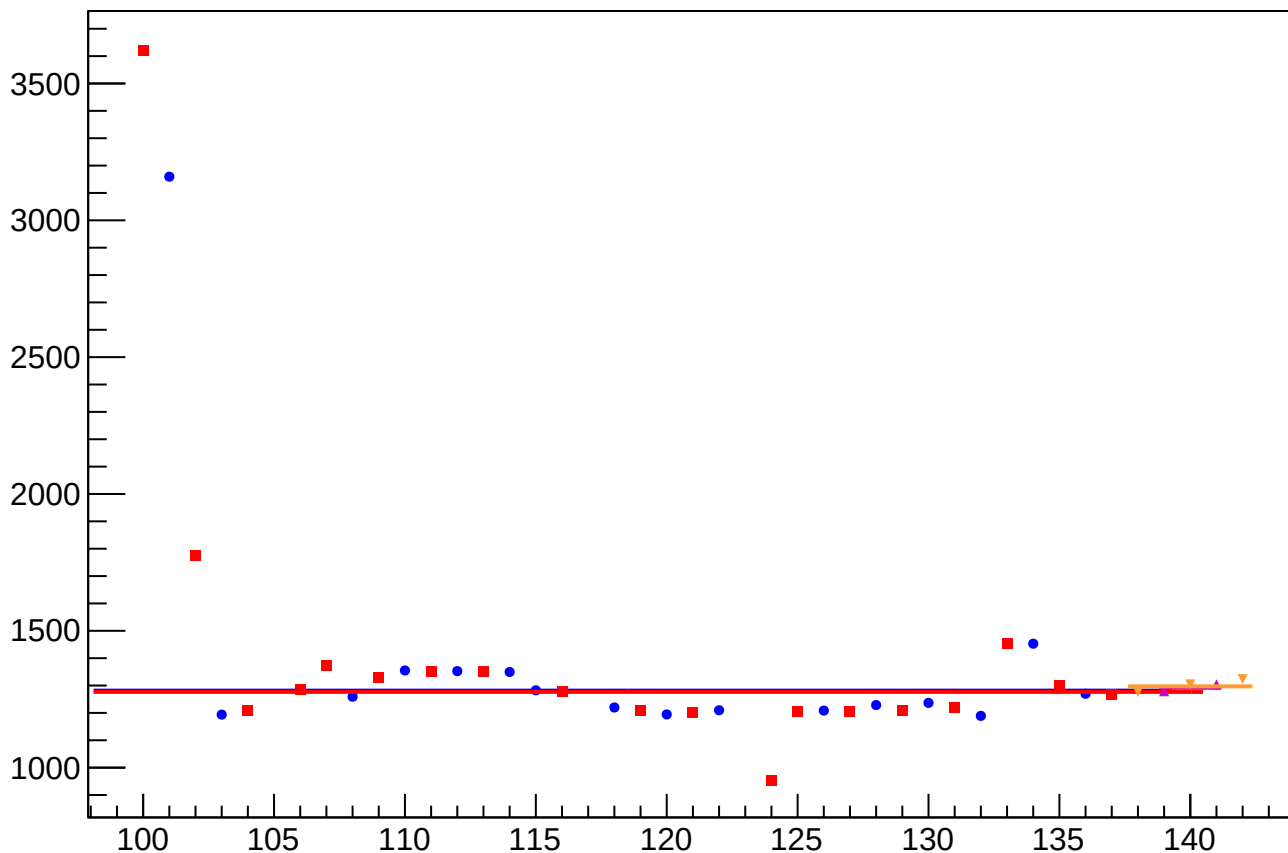
Left In: 465.013+/-981.815 χ^2/NDF : 0.0/1

+ sign 232.490+/-427.587 χ^2/NDF : 29.2/18

All: 347.425+/-302.811 χ^2/NDF : 46.1/39

- sign 463.065+/-428.896 χ^2/NDF : 16.7/20

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.4/15

Left Out: 1297.012+/-0.638 χ^2/NDF : 823.7/2

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.6/18

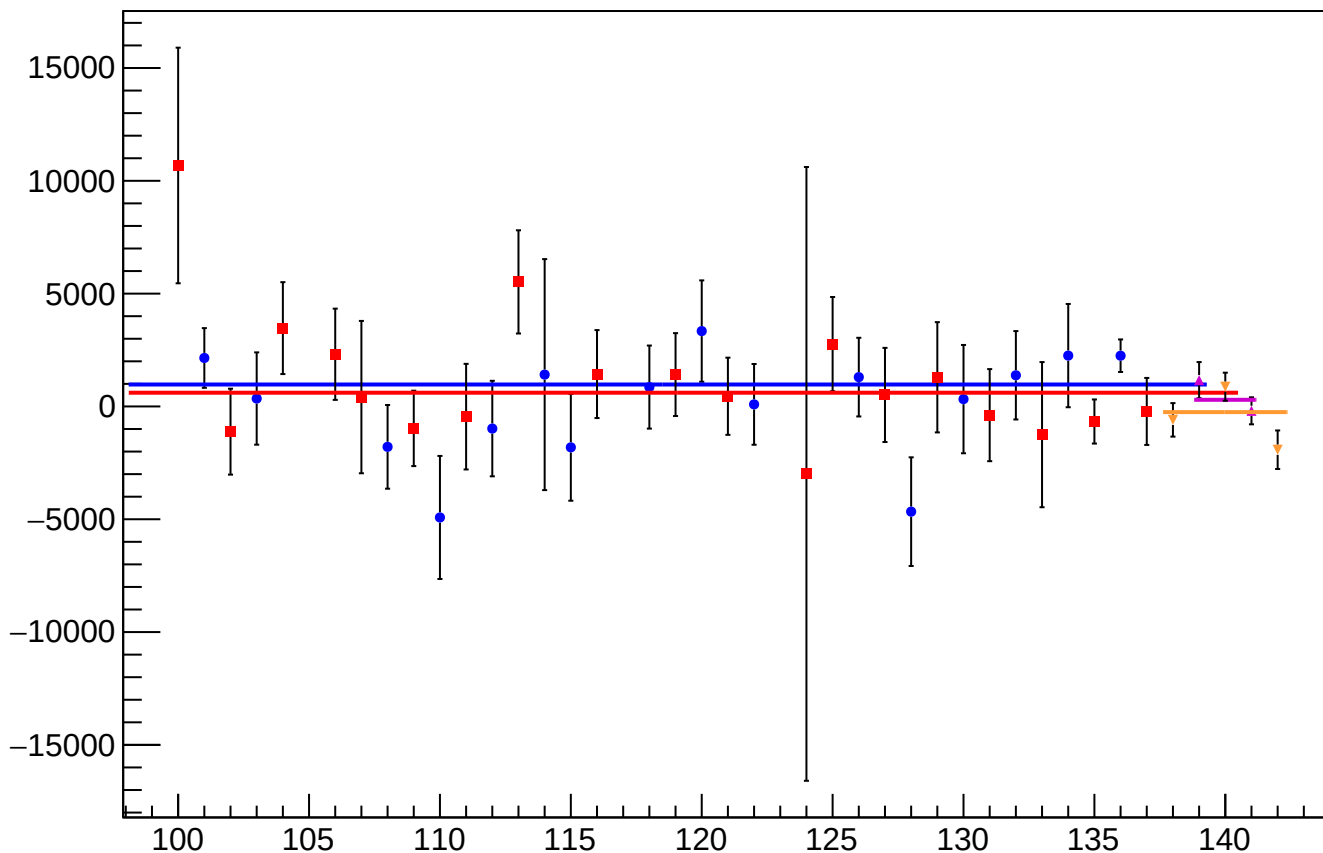
Left In: 1291.897+/-0.694 χ^2/NDF : 329.8/1

+ sign 1284.877+/-0.302 χ^2/NDF : 508367.9/18

All: 1282.311+/-0.214 χ^2/NDF : 729735.4/39

- sign 1279.730+/-0.303 χ^2/NDF : 221223.0/20

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: -250.766 $\pm$ 416.185 χ^2 /NDF:7.3/2

Right Out: 608.431 $\pm$ 447.734 χ^2 /NDF: 17.1/18

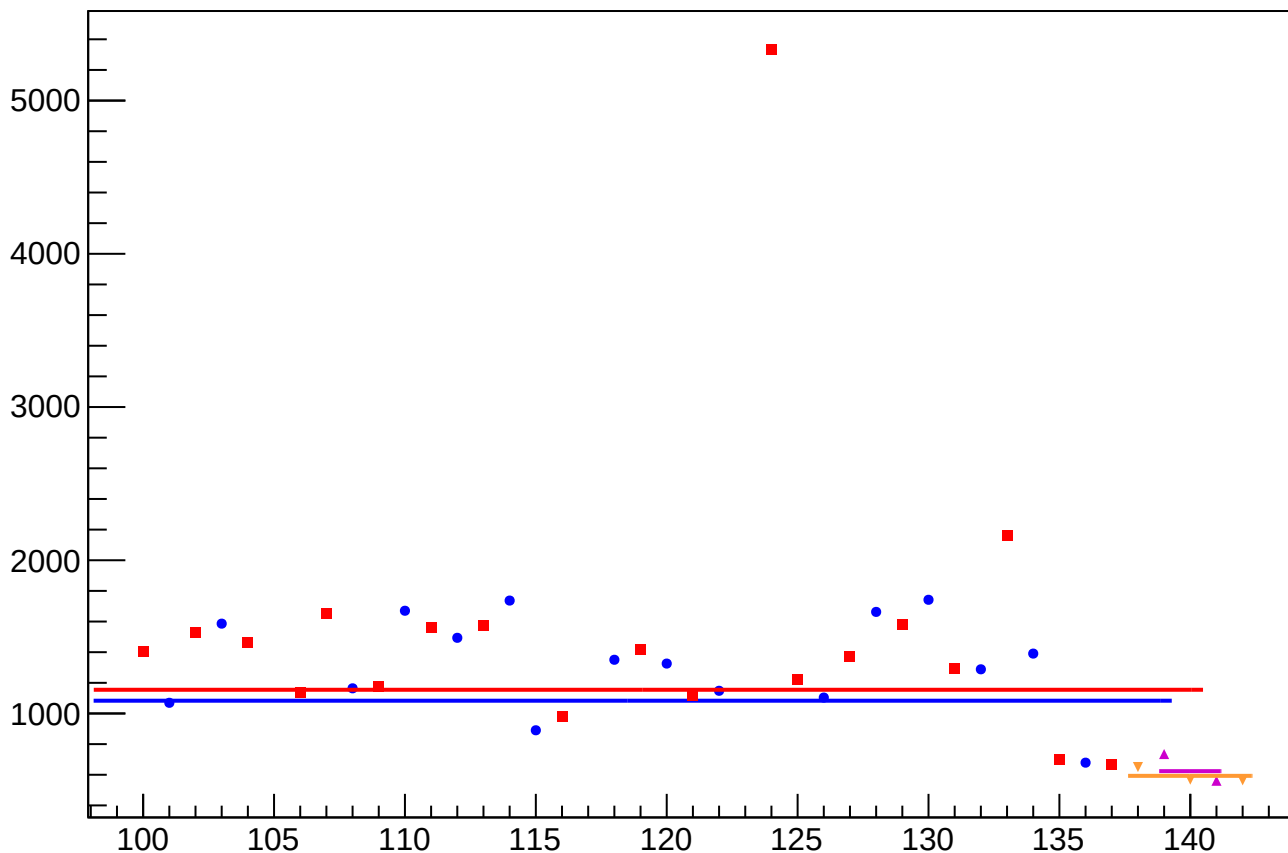
Left In: 294.204 $\pm$ 479.501 χ^2 /NDF:1.9/1

+ sign 347.632 $\pm$ 297.430 χ^2 /NDF: 32.0/18

All: 399.401 $\pm$ 220.104 χ^2 /NDF: 51.3/39

- sign 462.070 $\pm$ 327.250 χ^2 /NDF: 19.2/20

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF : 1360153.3/15

Left Out: 592.948+/-0.294 χ^2/NDF : 17484.5/2

Right Out: 1154.724+/-0.317 χ^2/NDF : 1488304.5/18

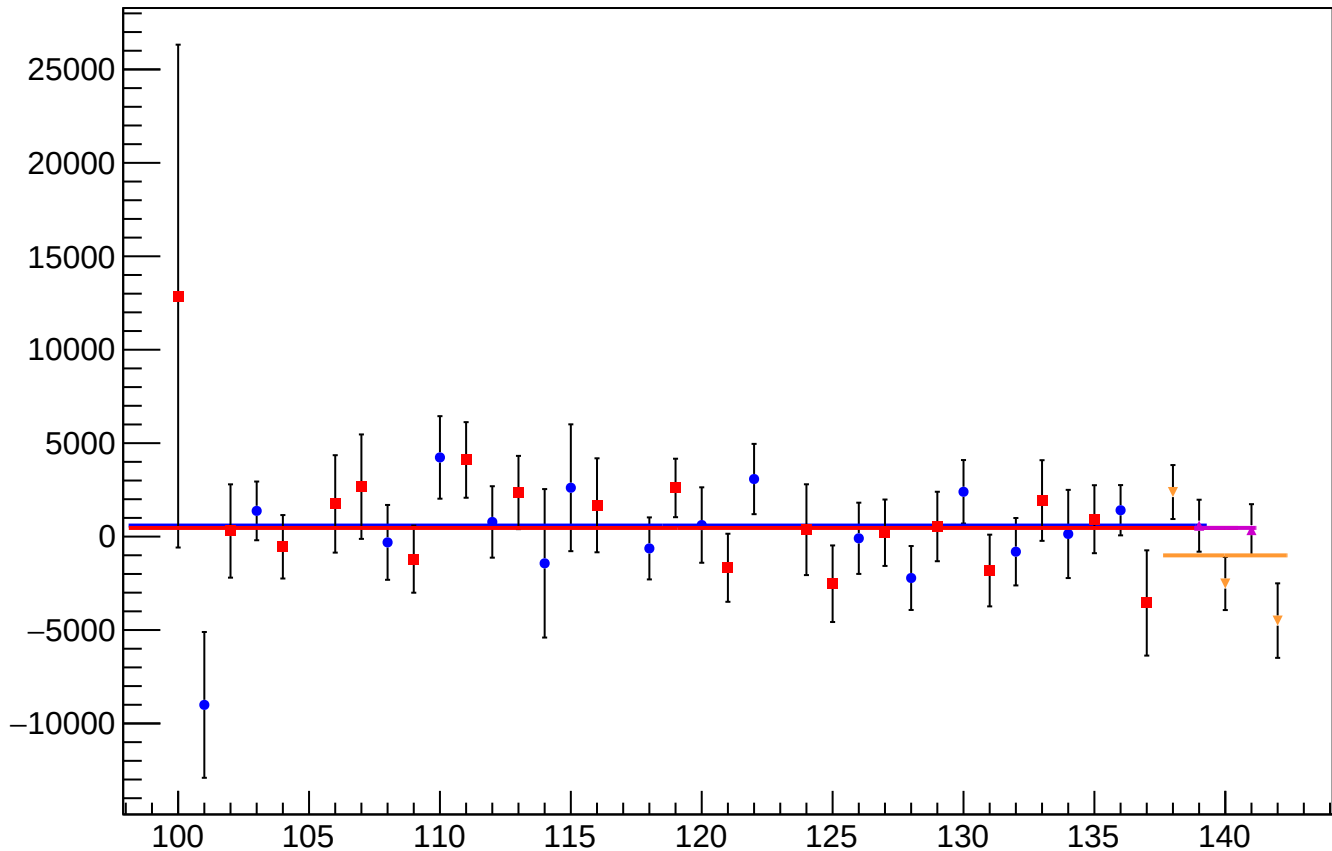
Left In: 623.559+/-0.339 χ^2/NDF : 60772.0/1

+ sign 832.877+/-0.210 χ^2/NDF : 2736192.8/18

All: 866.552+/-0.156 χ^2/NDF : 5653026.8/39

- sign 907.318+/-0.231 χ^2/NDF : 2860161.1/20

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: -1005.117+/-902.868 χ^2/NDF : 9.7/2

Right Out: 462.605+/-476.795 χ^2/NDF : 16.7/18

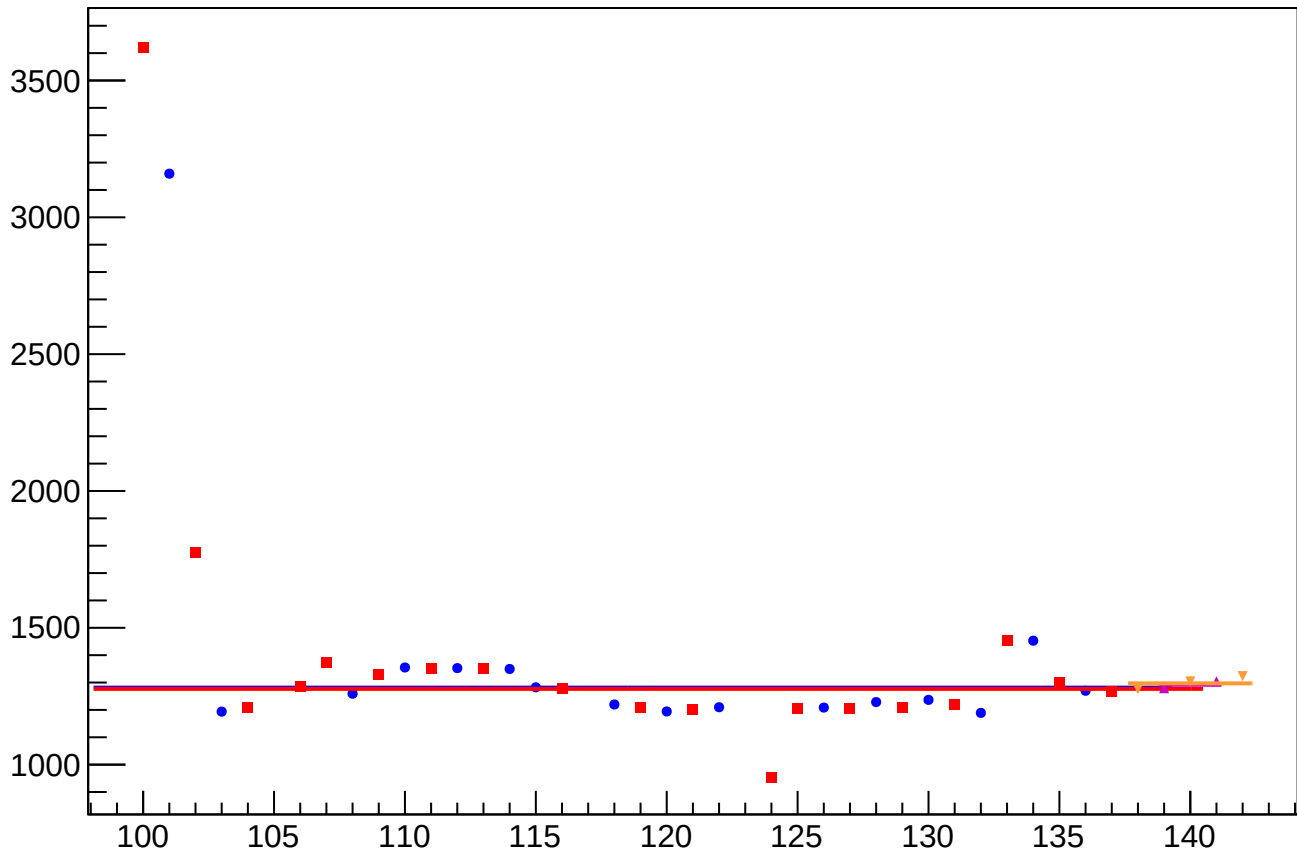
Left In: 465.021+/-981.815 χ^2/NDF : 0.0/1

+ sign 232.490+/-427.587 χ^2/NDF : 29.2/18

All: 347.426+/-302.811 χ^2/NDF : 46.1/39

- sign 463.066+/-428.896 χ^2/NDF : 16.7/20

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.6/15

Left Out: 1297.012+/-0.638 χ^2/NDF : 823.7/2

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.5/18

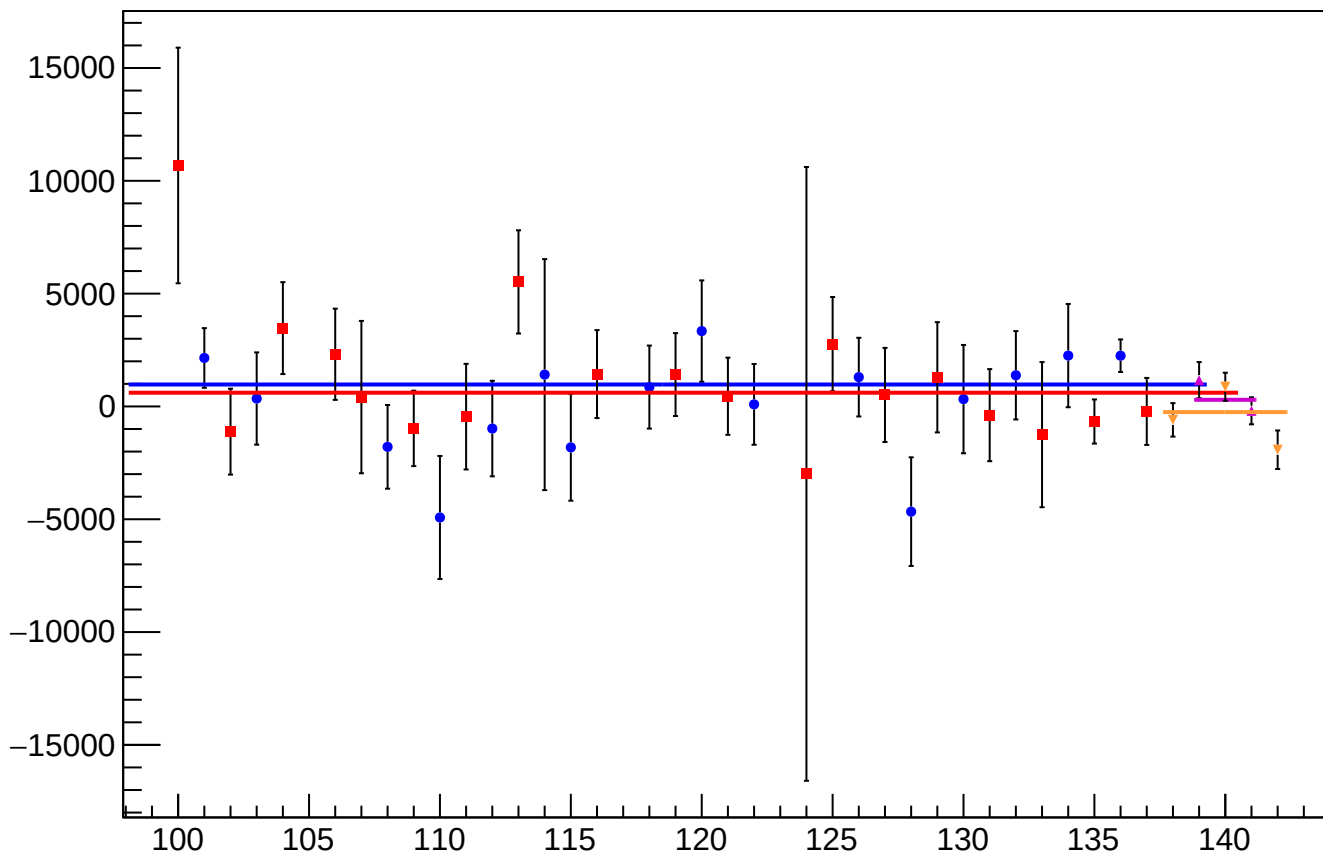
Left In: 1291.898+/-0.694 χ^2/NDF : 329.8/1

+ sign 1284.877+/-0.302 χ^2/NDF : 508368.1/18

All: 1282.311+/-0.214 χ^2/NDF : 729735.5/39

- sign 1279.730+/-0.303 χ^2/NDF : 221222.9/20

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 972.281 $\pm$ 425.220 χ^2 /NDF: 20.4/15

Left Out: -250.769 $\pm$ 416.189 χ^2 /NDF: 7.3/2

Right Out: 608.441 $\pm$ 447.736 χ^2 /NDF: 17.1/18

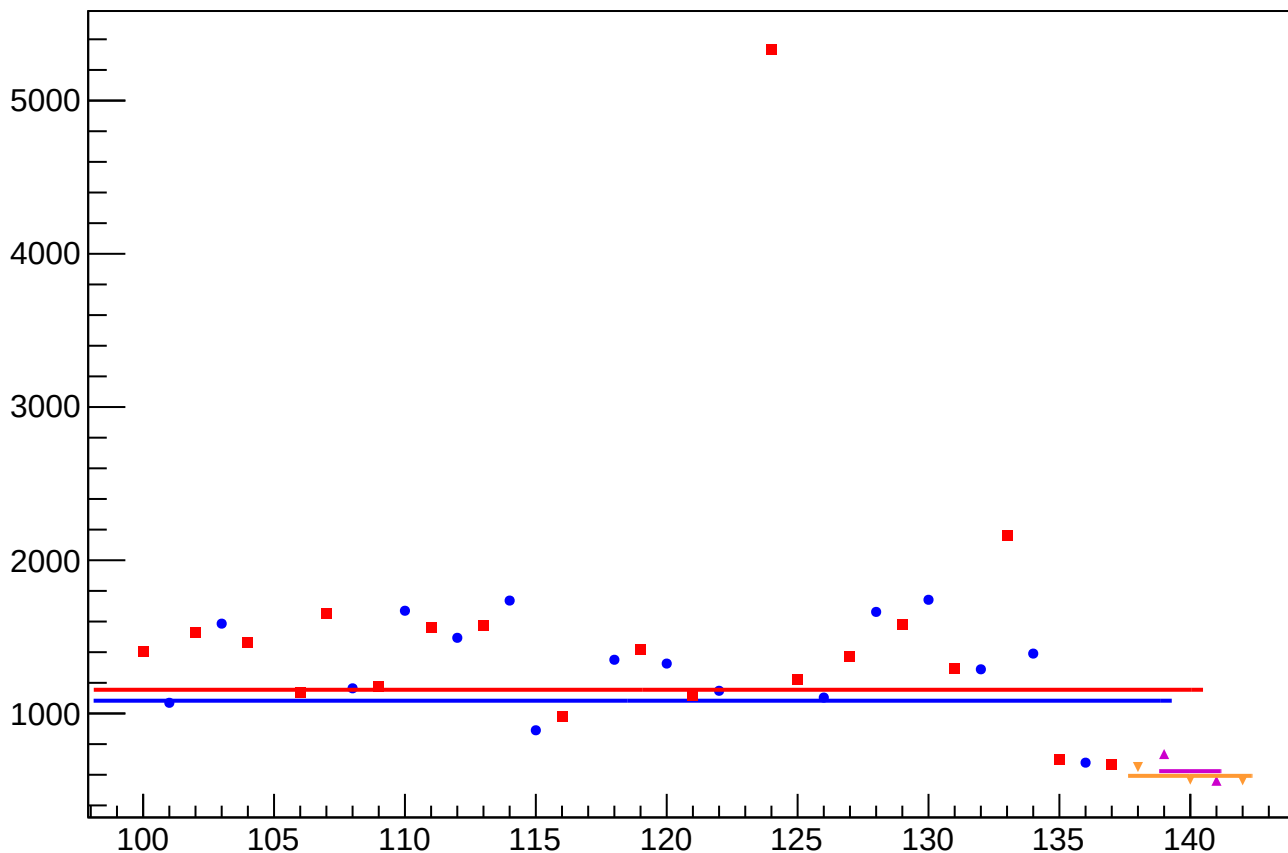
Left In: 294.202 $\pm$ 479.505 χ^2 /NDF: 1.9/1

+ sign 347.630 $\pm$ 297.432 χ^2 /NDF: 32.0/18

All: 399.402 $\pm$ 220.105 χ^2 /NDF: 51.3/39

- sign 462.075 $\pm$ 327.252 χ^2 /NDF: 19.2/20

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1083.341+/-0.301 χ^2/NDF : 1360095.7/15

Left Out: 592.953+/-0.294 χ^2/NDF : 17488.4/2

Right Out: 1154.732+/-0.317 χ^2/NDF : 1488251.4/18

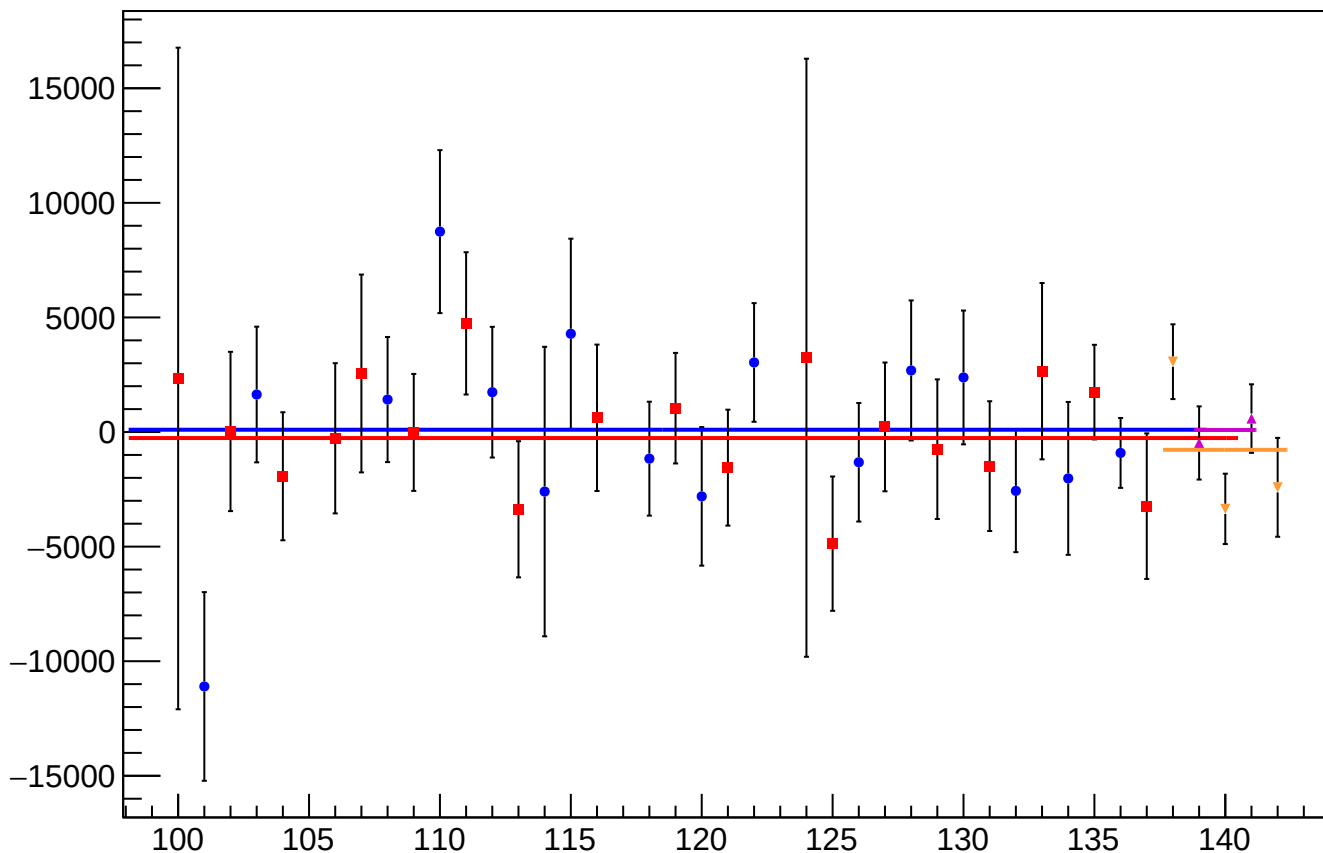
Left In: 623.564+/-0.339 χ^2/NDF : 60777.2/1

+ sign 832.884+/-0.210 χ^2/NDF : 2736130.9/18

All: 866.559+/-0.156 χ^2/NDF : 5652911.0/39

- sign 907.325+/-0.231 χ^2/NDF : 2860107.2/20

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF : 21.3/15

Left Out: -776.279+/-992.664 χ^2/NDF : 8.9/2

Right Out: -262.731+/-699.724 χ^2/NDF : 10.3/18

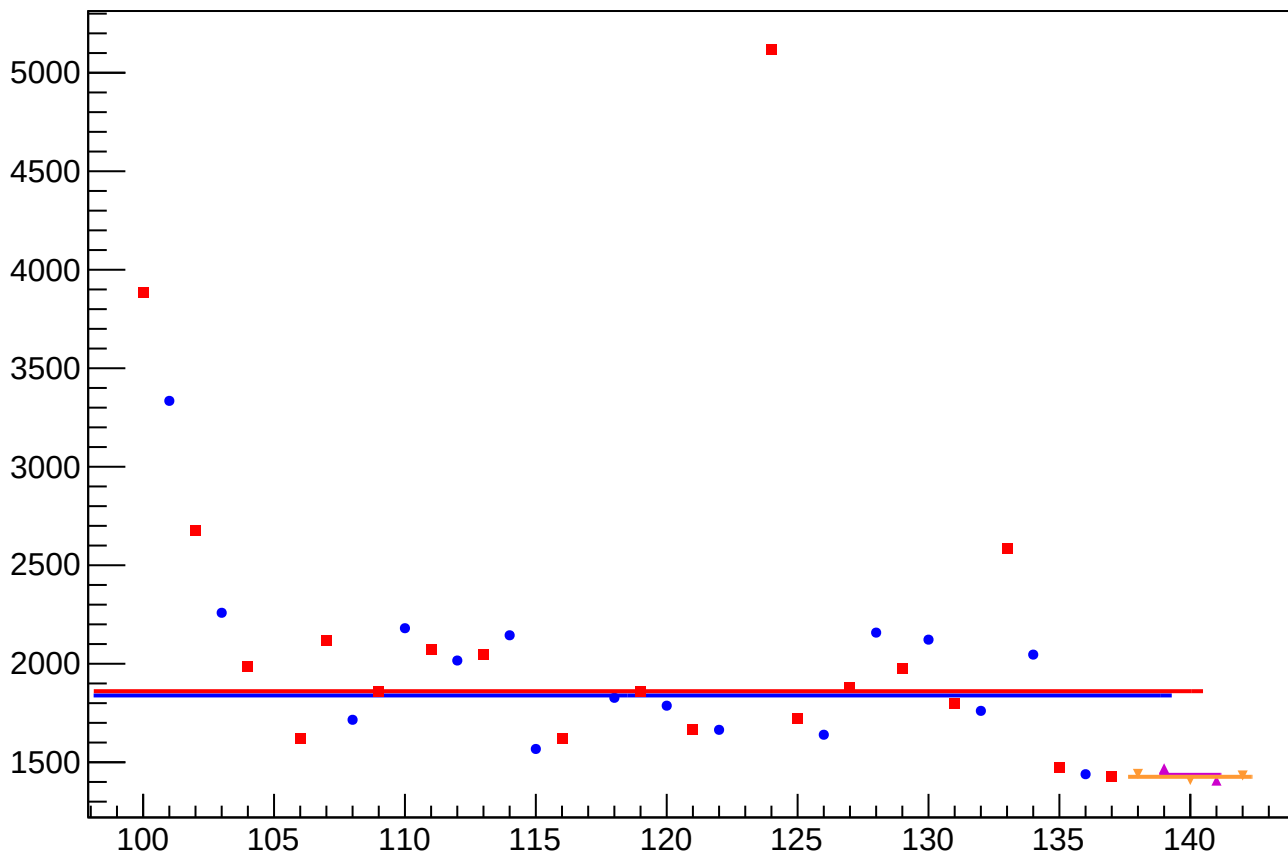
Left In: 90.169+/-1091.699 χ^2/NDF : 0.2/1

+ sign -190.161+/-571.513 χ^2/NDF : 30.8/18

All: -175.523+/-410.199 χ^2/NDF : 41.4/39

- sign -159.970+/-589.104 χ^2/NDF : 10.6/20

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113 $\pm$ 0.494 χ^2 /NDF: 556725.4/15

Left Out: 1426.148 $\pm$ 0.702 χ^2 /NDF:408.9/2

Right Out: 1860.754 $\pm$ 0.495 χ^2 /NDF: 522114.2/18

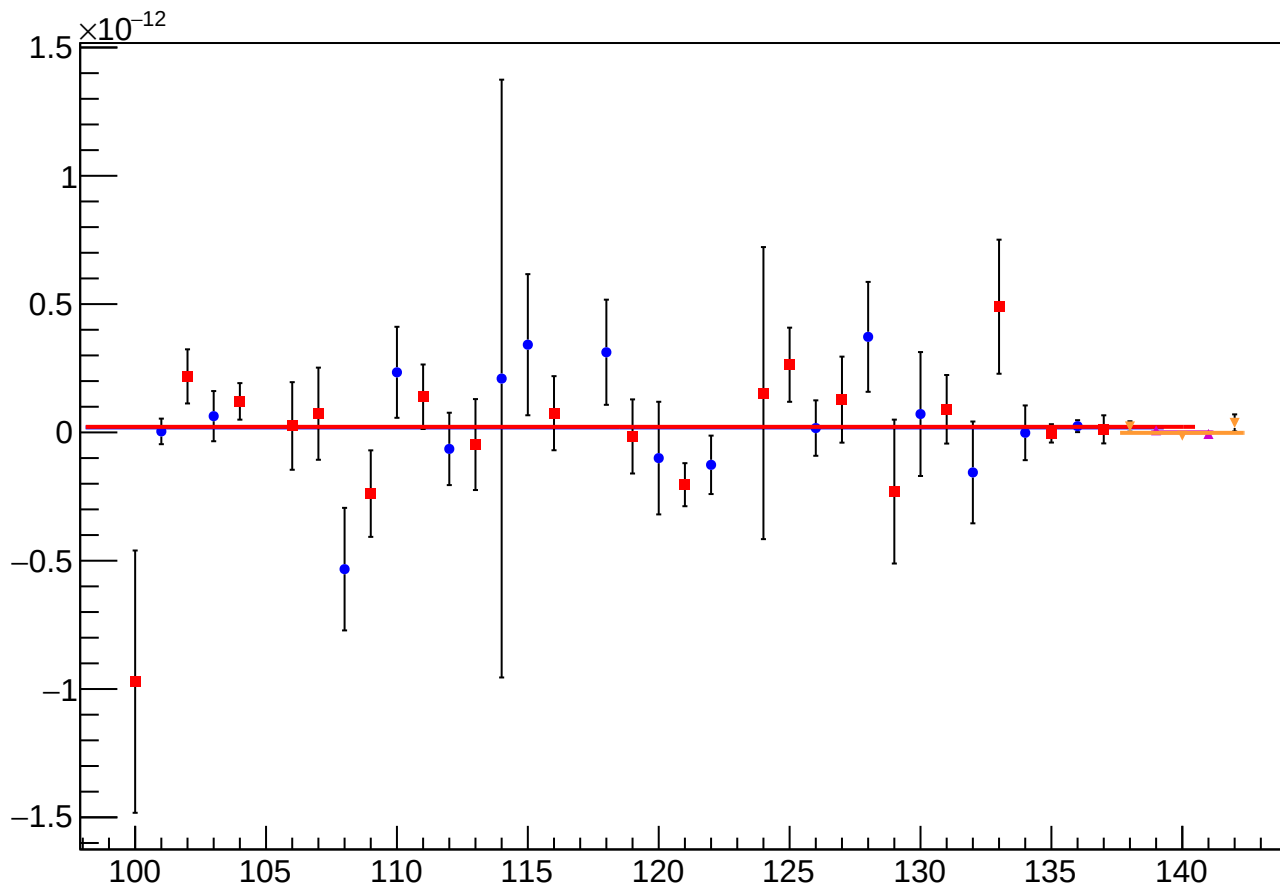
Left In: 1436.114 $\pm$ 0.772 χ^2 /NDF:1630.3/1

+ sign 1702.227 $\pm$ 0.404 χ^2 /NDF: 788538.8/18

All: 1719.137 $\pm$ 0.290 χ^2 /NDF: 1530380.0/39

- sign 1737.105 $\pm$ 0.417 χ^2 /NDF: 738229.7/20

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: 3.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.2/18

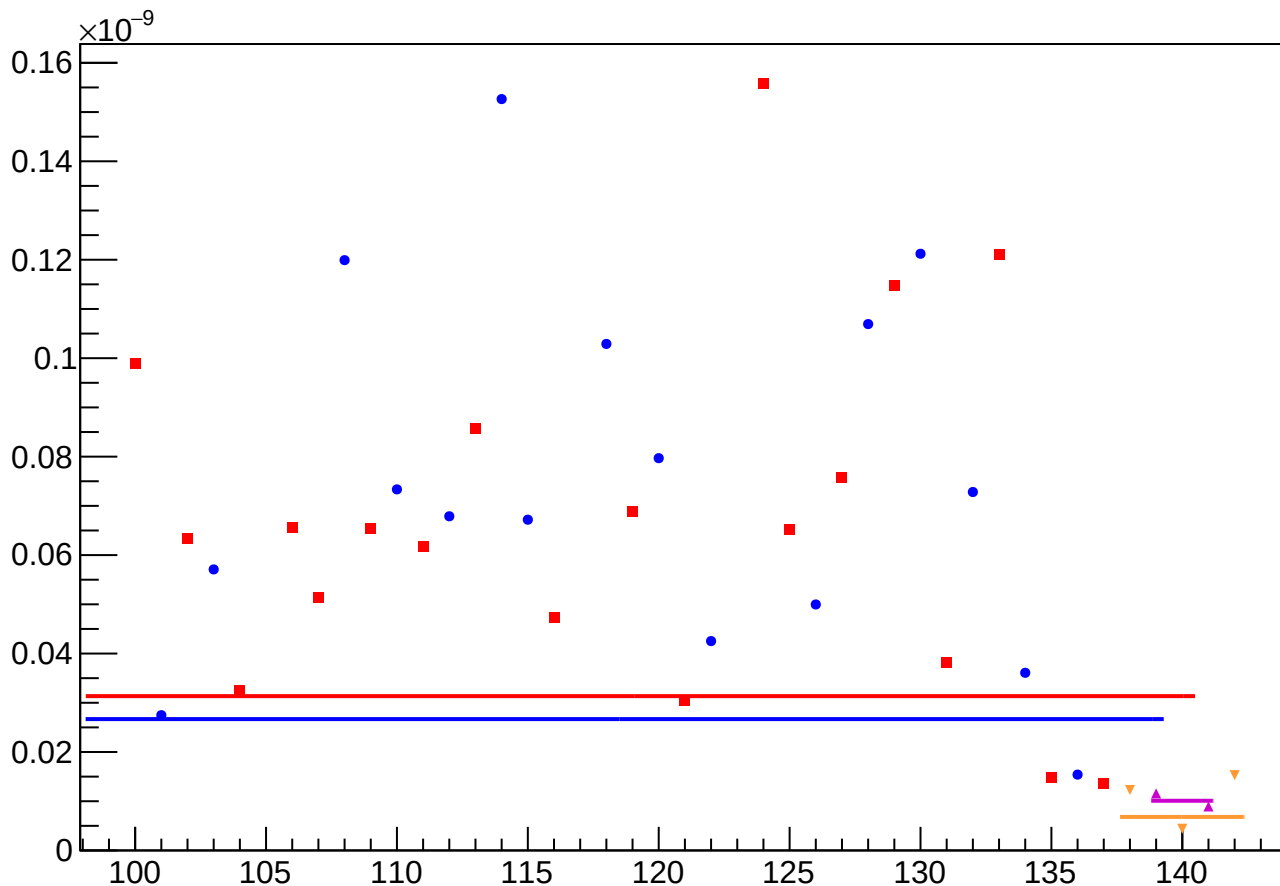
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 50.7/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.2/20

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 377896.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2275167.3/18

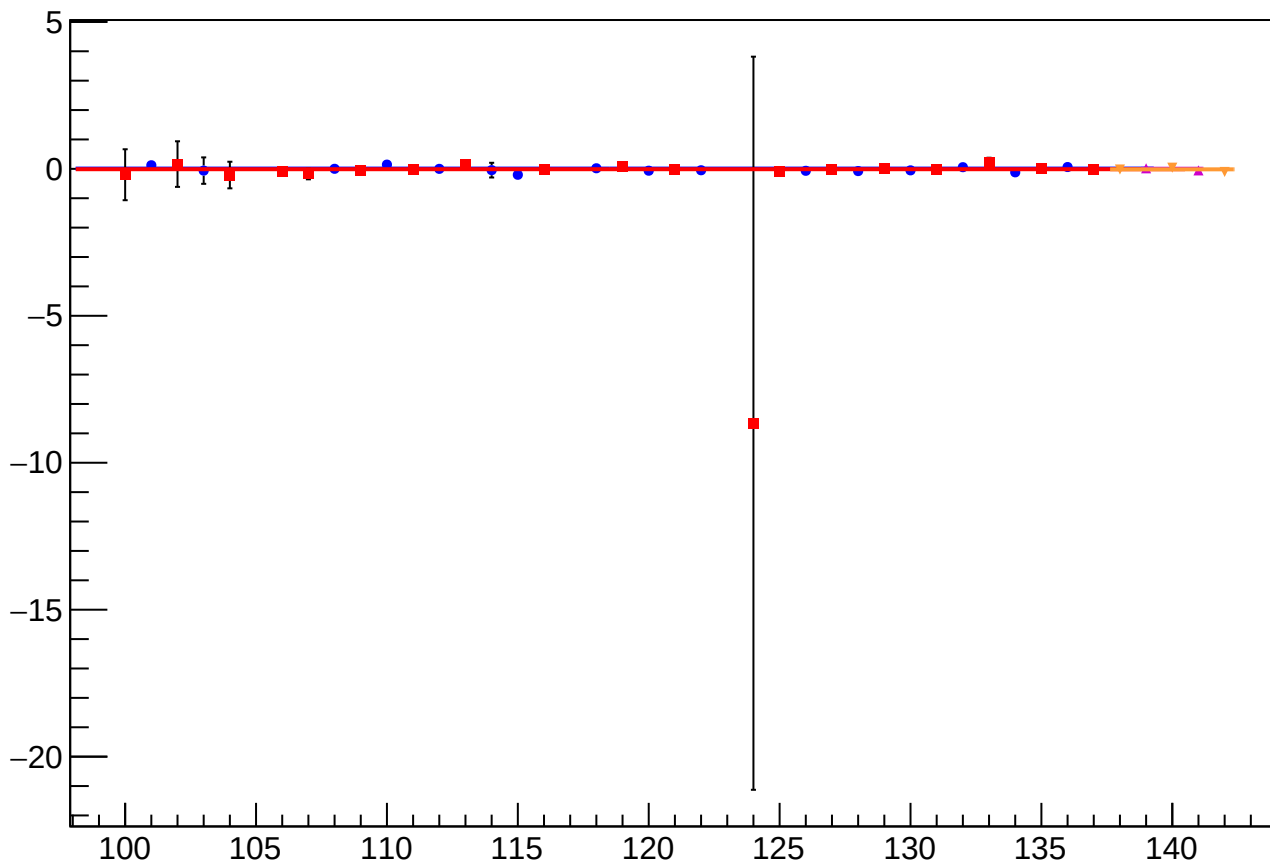
Left In: 0.000+/-0.000 χ^2/NDF : 22407.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 4769393.8/18

All: 0.000+/-0.000 χ^2/NDF : 8679607.4/39

- sign 0.000+/-0.000 χ^2/NDF : 3688551.0/20

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 ± 0.016 χ^2/NDF : 19.3/15

Left Out: -0.017 ± 0.024 χ^2/NDF : 2.3/2

Right Out: -0.012 ± 0.017 χ^2/NDF : 12.6/18

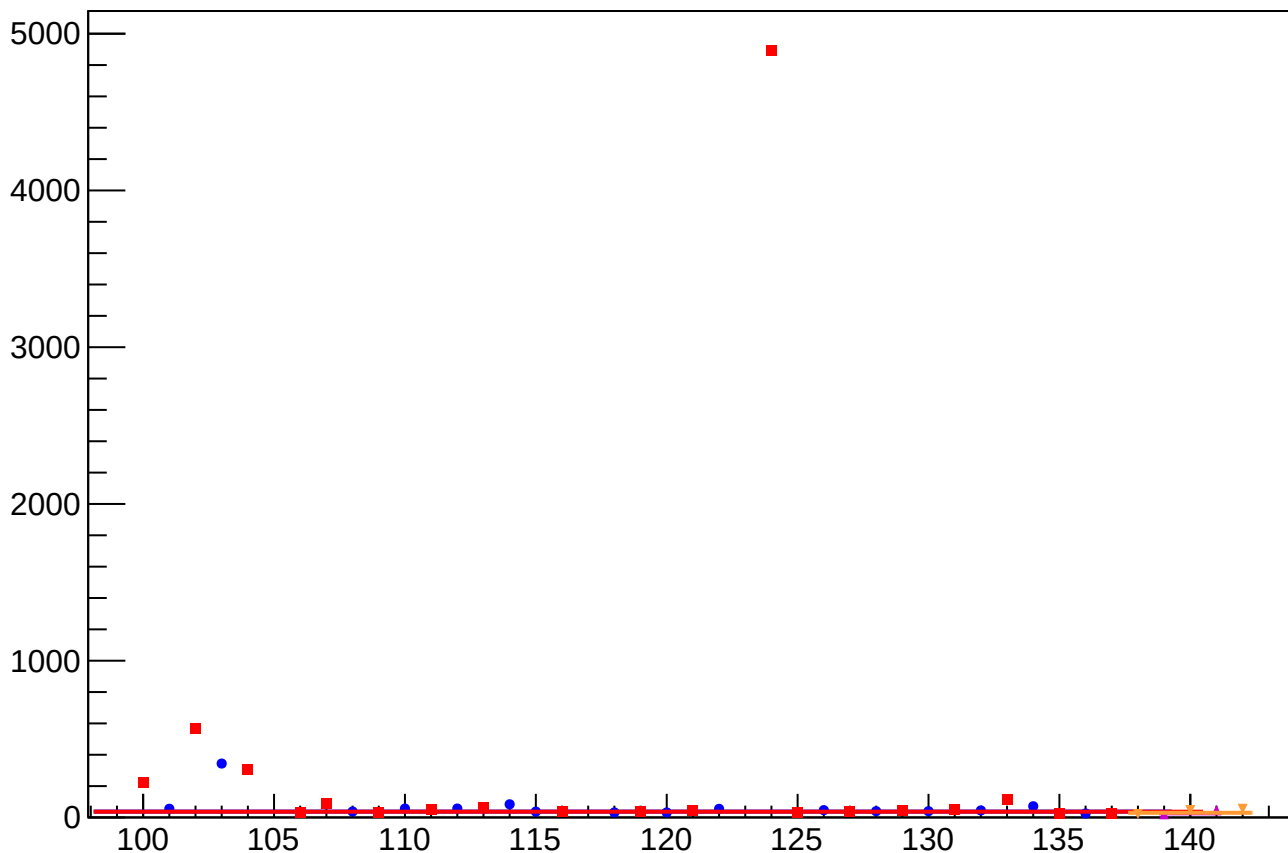
Left In: 0.003 ± 0.024 χ^2/NDF : 1.4/1

+ sign 0.001 ± 0.013 χ^2/NDF : 22.3/18

All: -0.003 ± 0.010 χ^2/NDF : 36.8/39

- sign -0.007 ± 0.014 χ^2/NDF : 14.3/20

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF : 1983275.6/15

Left Out: 29.781+/-0.017 χ^2/NDF : 530972.8/2

Right Out: 36.767+/-0.012 χ^2/NDF : 3190700.2/18

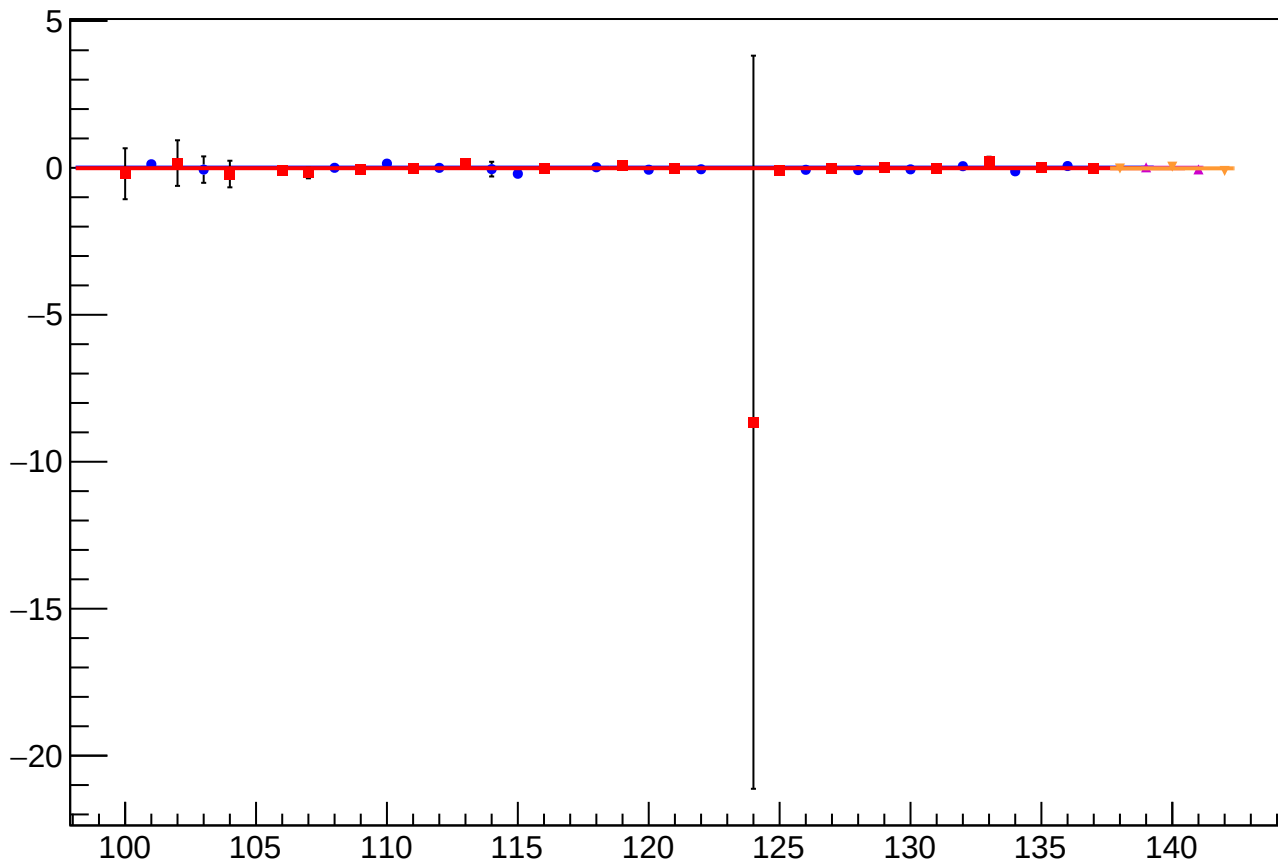
Left In: 26.130+/-0.017 χ^2/NDF : 417356.7/1

+ sign 35.131+/-0.009 χ^2/NDF : 2655264.6/18

All: 34.265+/-0.007 χ^2/NDF : 6542982.4/39

- sign 33.359+/-0.010 χ^2/NDF : 3870597.1/20

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.016 χ^2 /NDF: 19.3/15

Left Out: -0.017 $\pm$ 0.024 χ^2 /NDF: 2.3/2

Right Out: -0.012 $\pm$ 0.017 χ^2 /NDF: 12.6/18

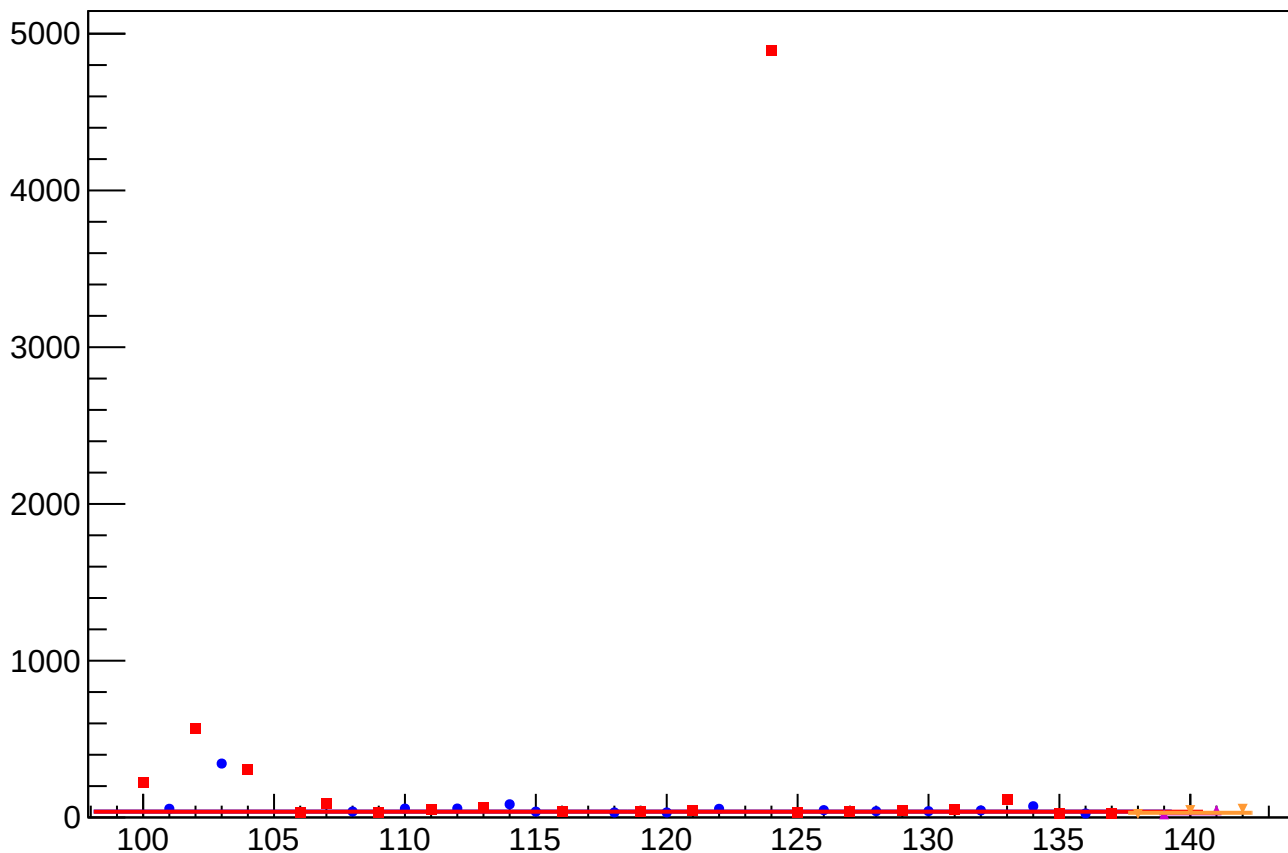
Left In: 0.003 $\pm$ 0.024 χ^2 /NDF: 1.4/1

+ sign 0.001 $\pm$ 0.013 χ^2 /NDF: 22.3/18

All: -0.003 $\pm$ 0.010 χ^2 /NDF: 36.8/39

- sign -0.007 $\pm$ 0.014 χ^2 /NDF: 14.3/20

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF : 1983275.6/15

Left Out: 29.781+/-0.017 χ^2/NDF : 530972.8/2

Right Out: 36.767+/-0.012 χ^2/NDF : 3190700.2/18

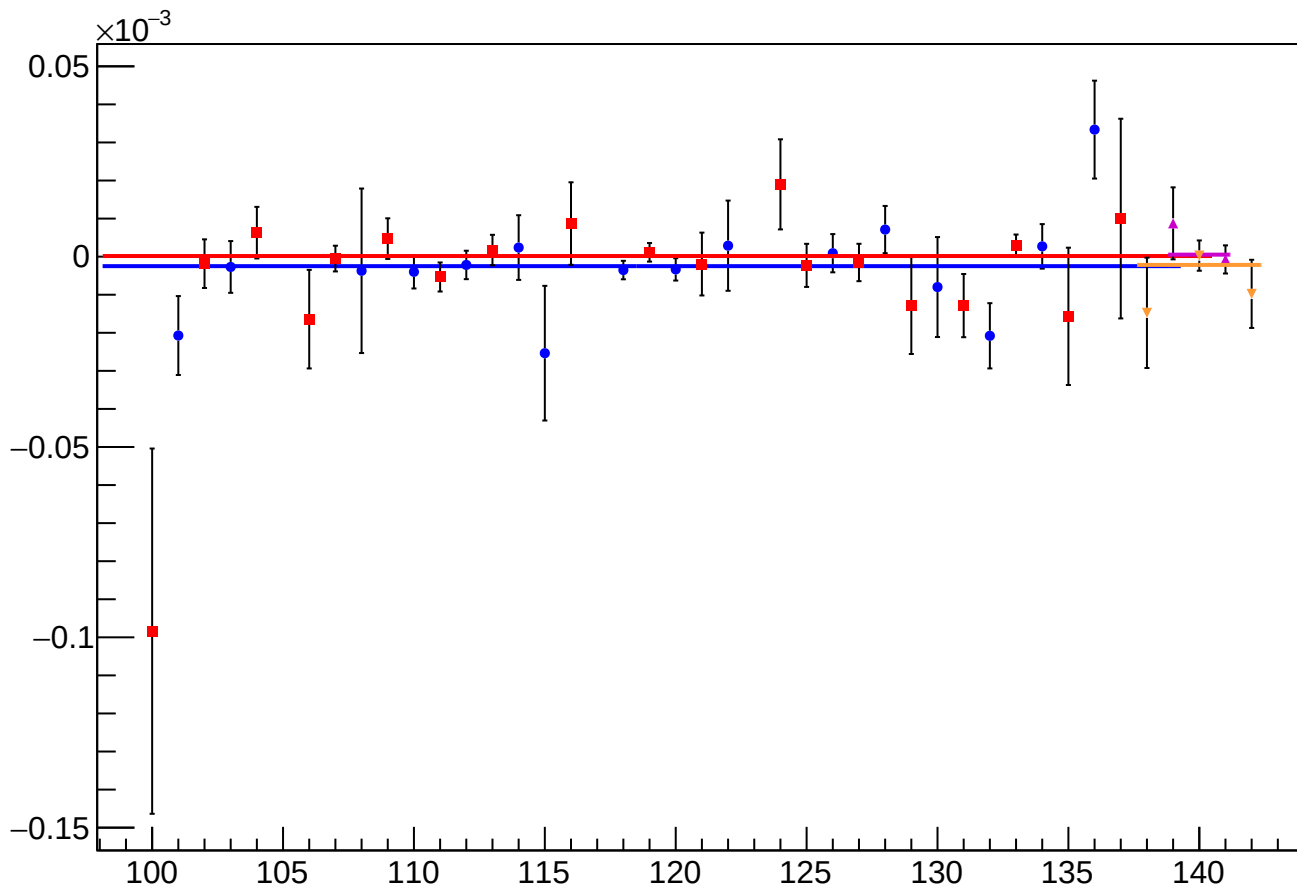
Left In: 26.130+/-0.017 χ^2/NDF : 417356.7/1

+ sign 35.131+/-0.009 χ^2/NDF : 2655264.6/18

All: 34.265+/-0.007 χ^2/NDF : 6542982.4/39

- sign 33.359+/-0.010 χ^2/NDF : 3870597.1/20

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.9/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.9/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.9/18

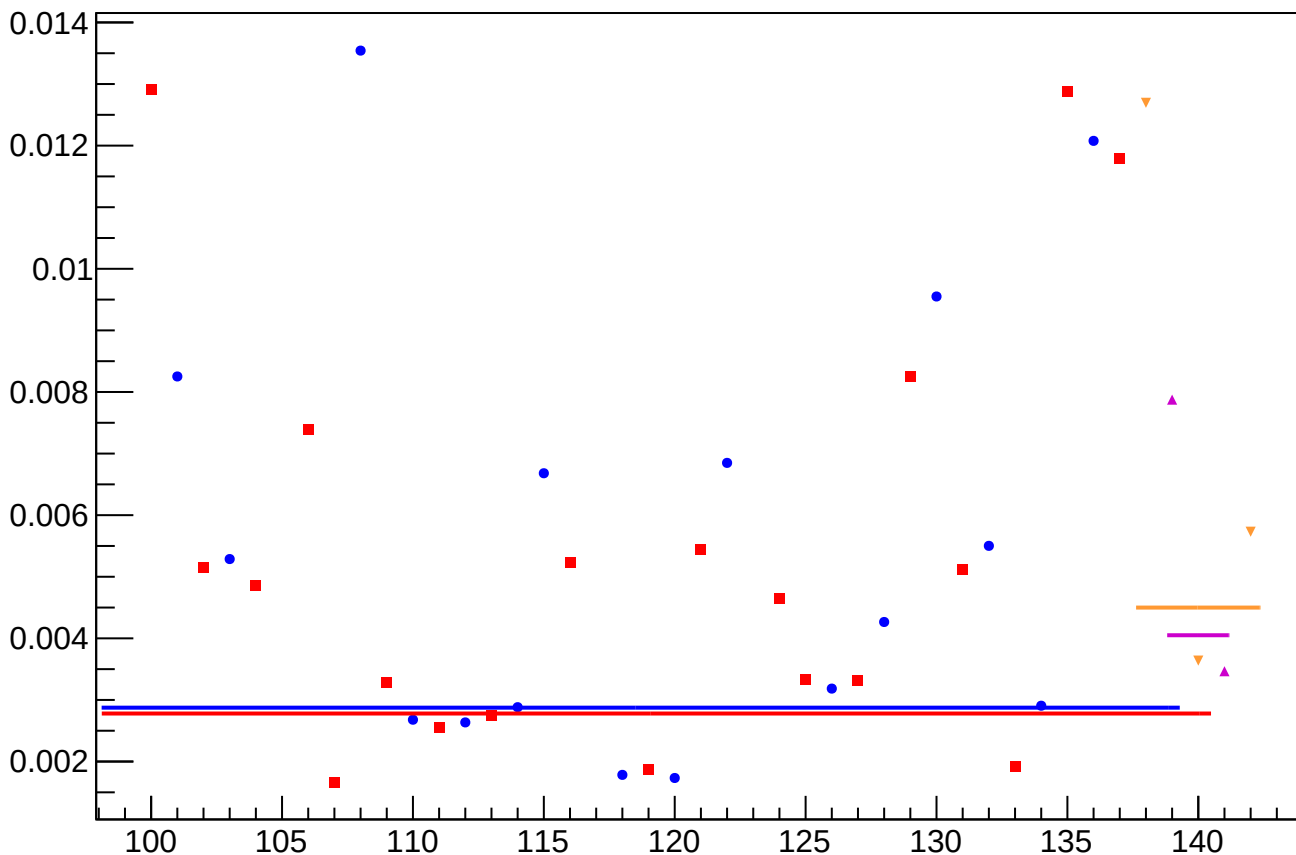
Left In: 0.000 ± 0.000 χ^2/NDF : 0.9/1

+ sign -0.000 ± 0.000 χ^2/NDF : 23.7/18

All: -0.000 ± 0.000 χ^2/NDF : 46.0/39

- sign 0.000 ± 0.000 χ^2/NDF : 19.7/20

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: 0.004+/-0.000 χ^2/NDF : 771050.3/2

Right Out: 0.003+/-0.000 χ^2/NDF : 3311178.7/18

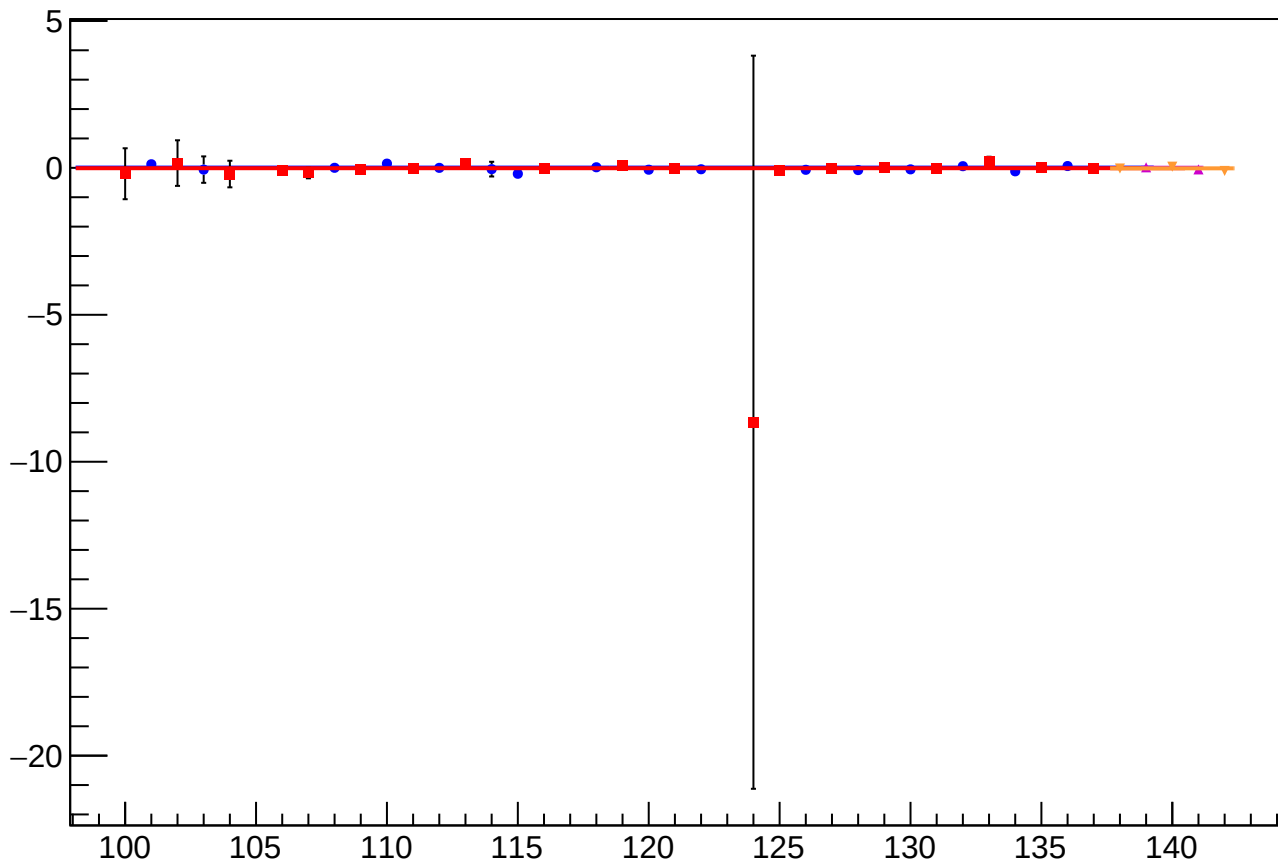
Left In: 0.004+/-0.000 χ^2/NDF : 377253.9/1

+ sign 0.003+/-0.000 χ^2/NDF : 5296656.6/18

All: 0.003+/-0.000 χ^2/NDF : 9247713.2/39

- sign 0.003+/-0.000 χ^2/NDF : 3932658.3/20

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.016 χ^2 /NDF: 19.3/15

Left Out: -0.017 $\pm$ 0.024 χ^2 /NDF: 2.3/2

Right Out: -0.013 $\pm$ 0.017 χ^2 /NDF: 12.6/18

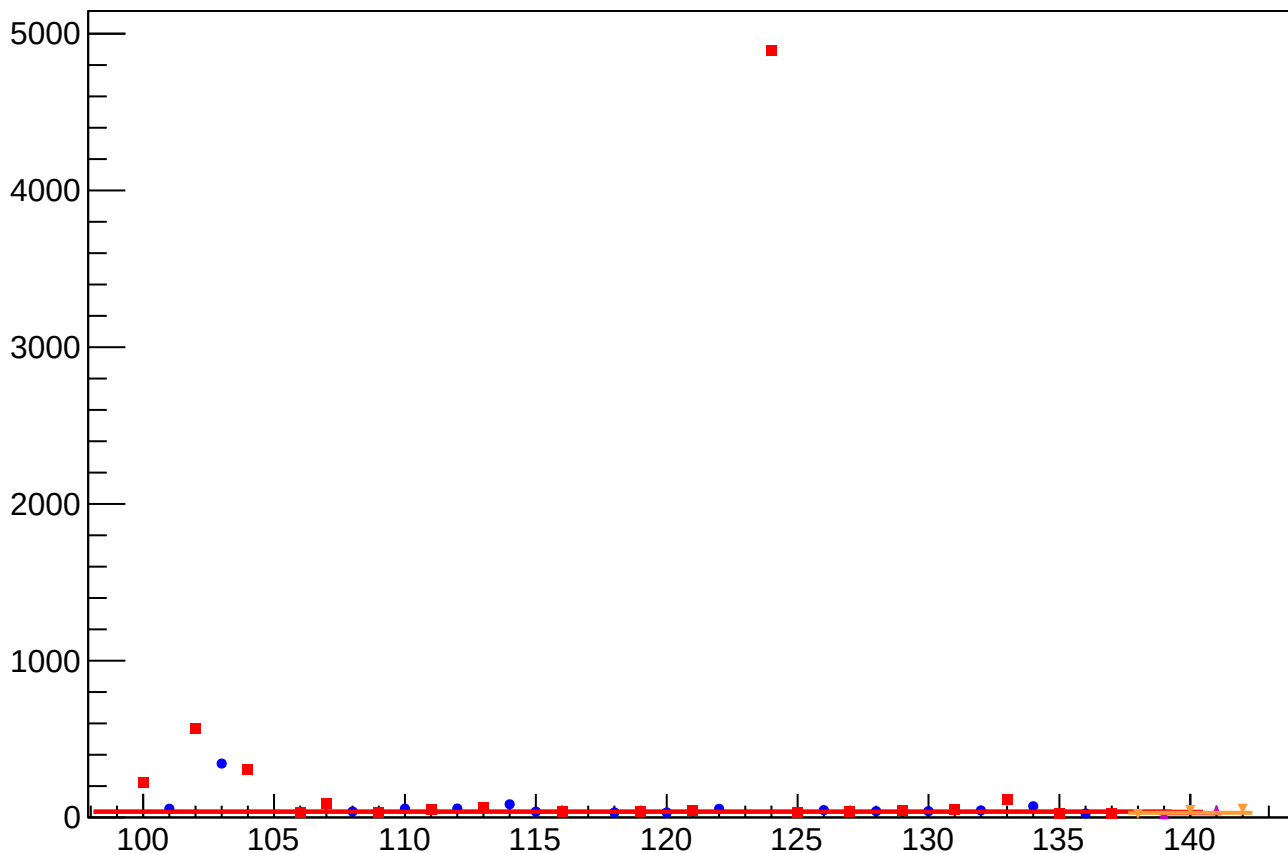
Left In: 0.003 $\pm$ 0.024 χ^2 /NDF: 1.4/1

+ sign 0.001 $\pm$ 0.013 χ^2 /NDF: 22.3/18

All: -0.003 $\pm$ 0.010 χ^2 /NDF: 36.8/39

- sign -0.007 $\pm$ 0.014 χ^2 /NDF: 14.3/20

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495 $\pm$ 0.011 χ^2 /NDF: 1983206.3/15

Left Out: 29.777 $\pm$ 0.017 χ^2 /NDF: 531269.7/2

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

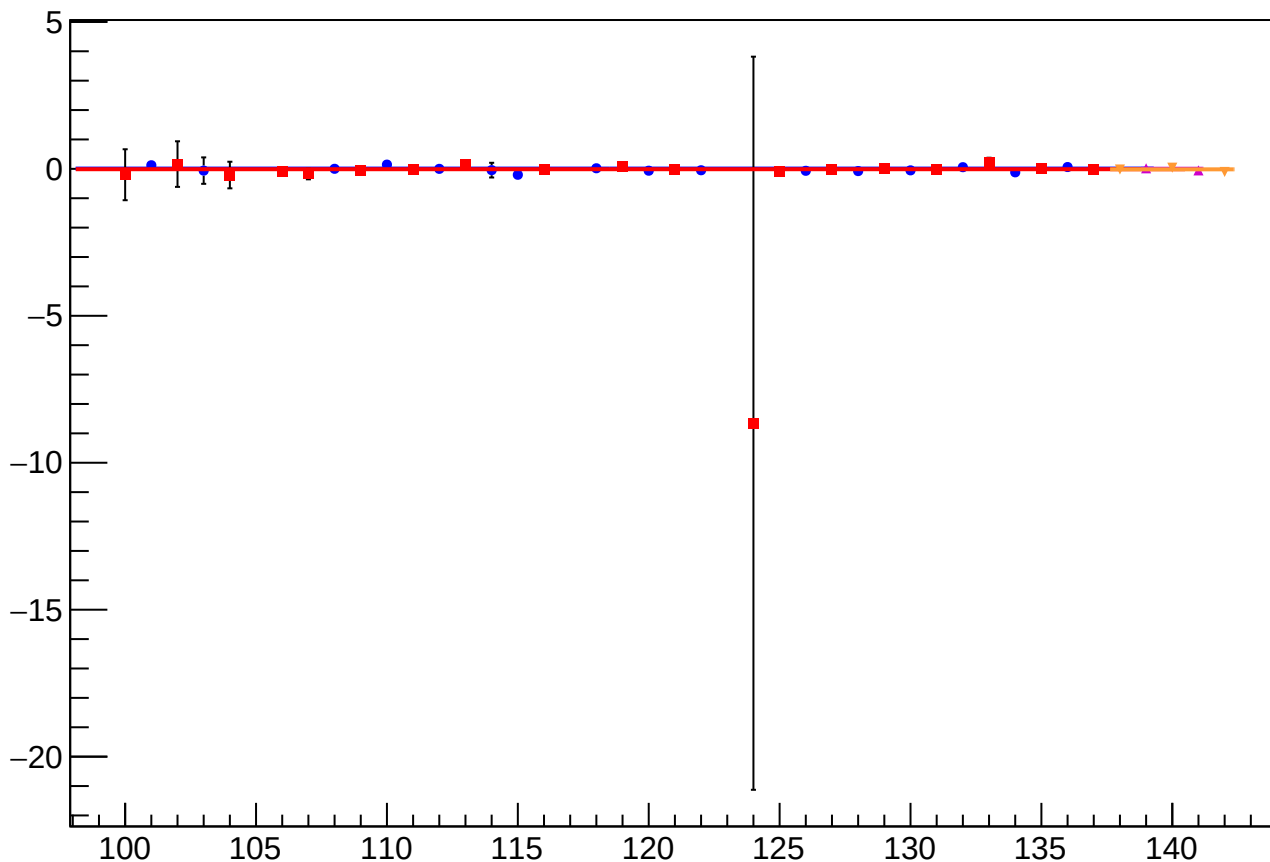
Left In: 26.140 $\pm$ 0.017 χ^2 /NDF: 417082.2/1

+ sign 35.130 $\pm$ 0.009 χ^2 /NDF: 2655674.4/18

All: 34.267 $\pm$ 0.007 χ^2 /NDF: 6542212.7/39

- sign 33.364 $\pm$ 0.010 χ^2 /NDF: 3869541.2/20

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.016 χ^2 /NDF: 19.3/15

Left Out: -0.017 $\pm$ 0.024 χ^2 /NDF: 2.3/2

Right Out: -0.013 $\pm$ 0.017 χ^2 /NDF: 12.6/18

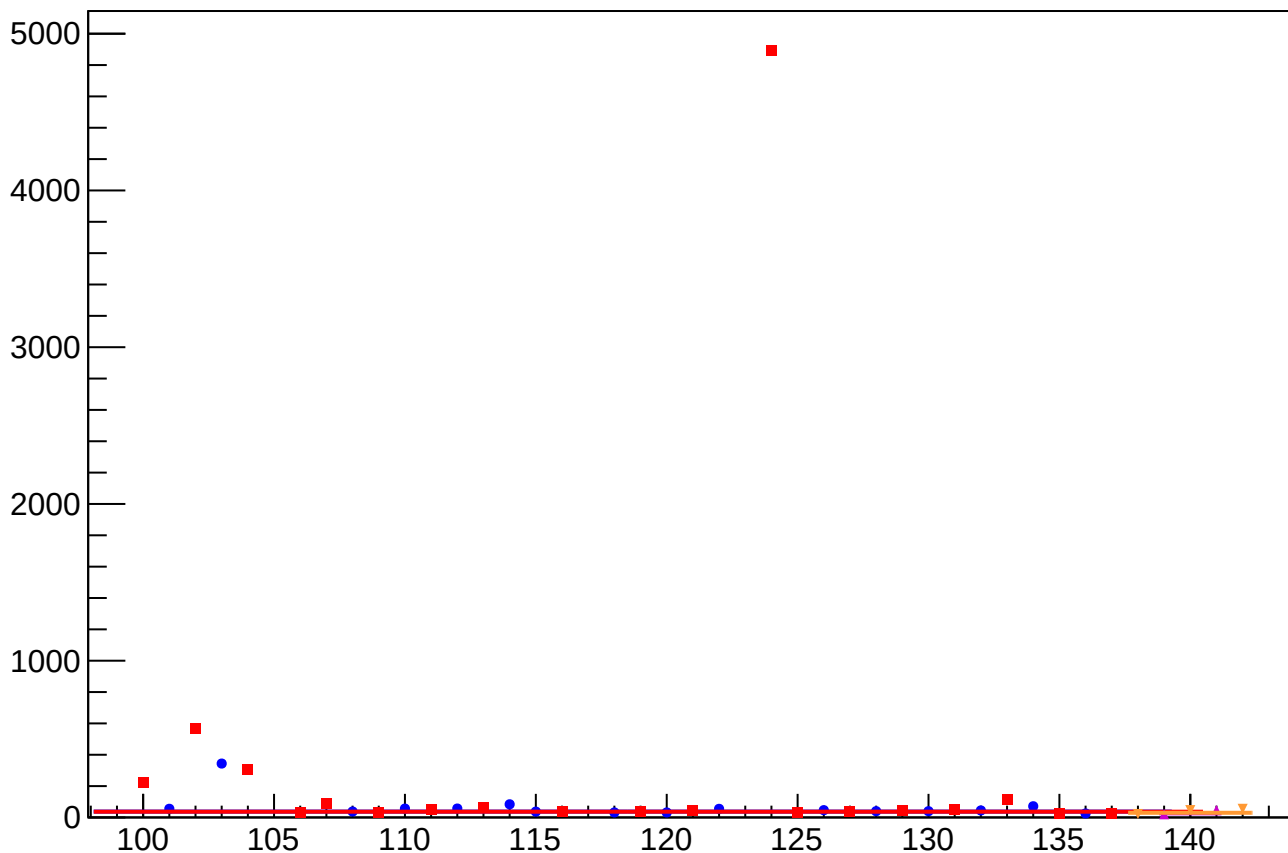
Left In: 0.003 $\pm$ 0.024 χ^2 /NDF: 1.4/1

+ sign 0.001 $\pm$ 0.013 χ^2 /NDF: 22.3/18

All: -0.003 $\pm$ 0.010 χ^2 /NDF: 36.8/39

- sign -0.007 $\pm$ 0.014 χ^2 /NDF: 14.3/20

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF : 1983206.3/15

Left Out: 29.777+/-0.017 χ^2/NDF : 531269.7/2

Right Out: 36.769+/-0.012 χ^2/NDF : 3190400.7/18

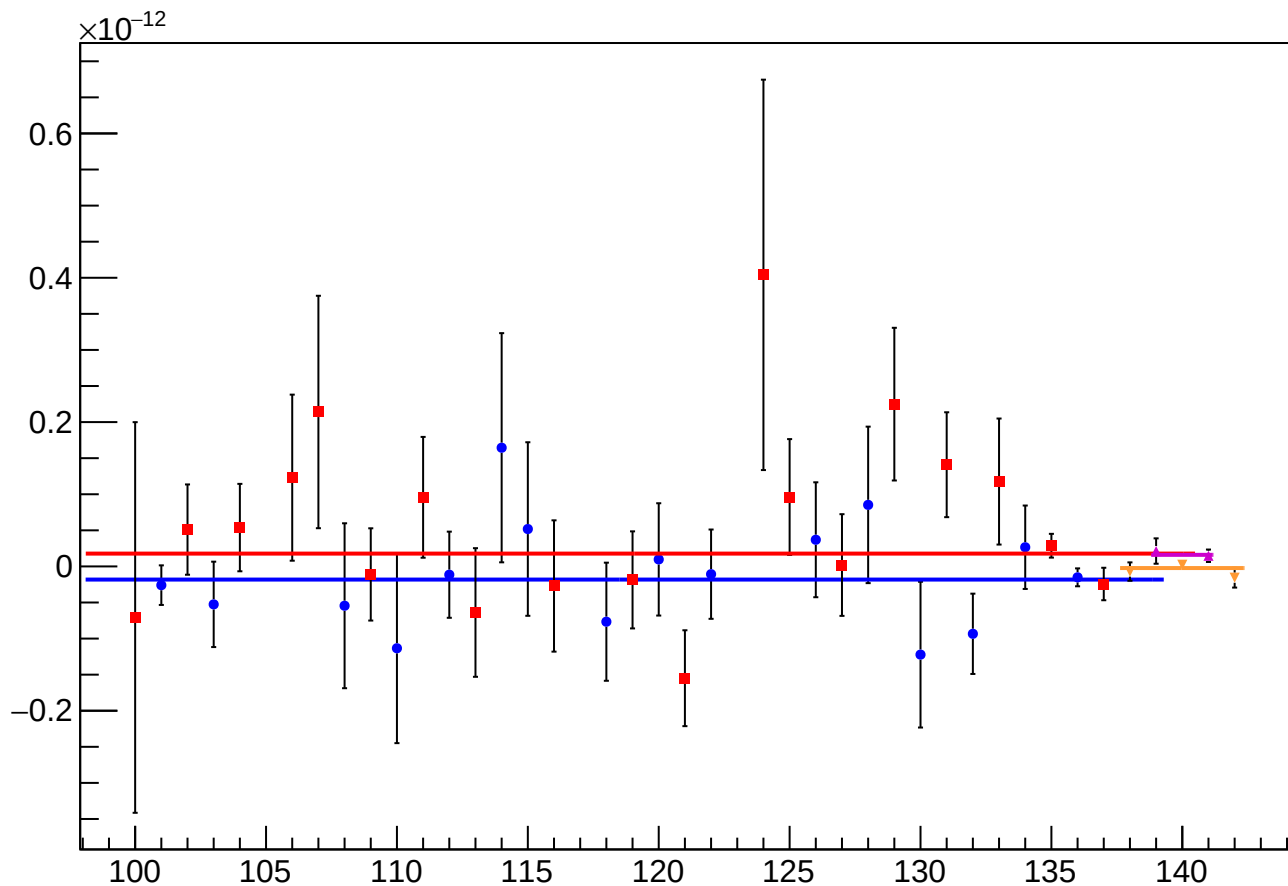
Left In: 26.140+/-0.017 χ^2/NDF : 417082.2/1

+ sign 35.130+/-0.009 χ^2/NDF : 2655674.4/18

All: 34.267+/-0.007 χ^2/NDF : 6542212.7/39

- sign 33.364+/-0.010 χ^2/NDF : 3869541.2/20

asym_atl_dd_atr_dd_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 : 1.6/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 27.3/18

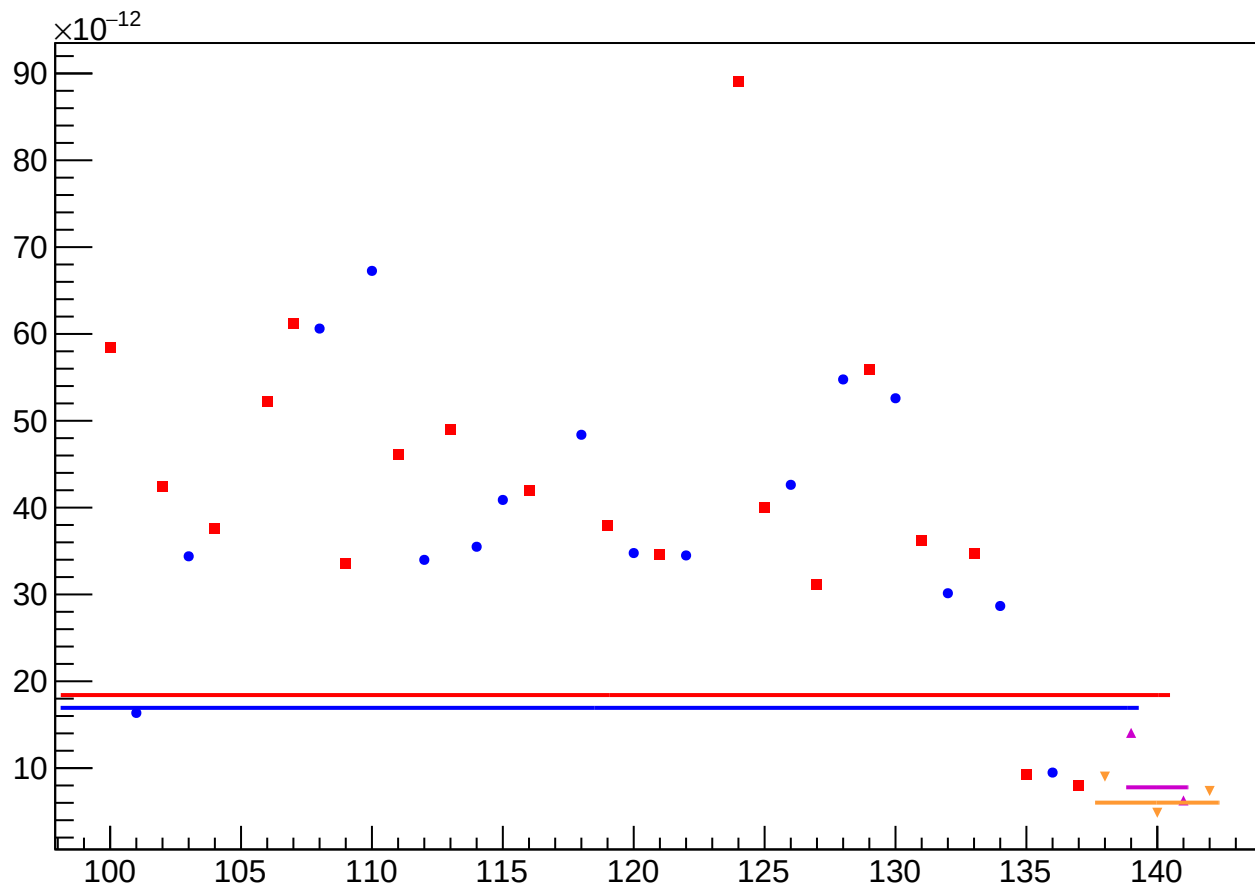
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 11.9/18

All: 0.000 ± 0.000 χ^2/NDF : 47.3/39

- sign 0.000 ± 0.000 χ^2/NDF : 27.4/20

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3207856.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 189485.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3674861.8/18

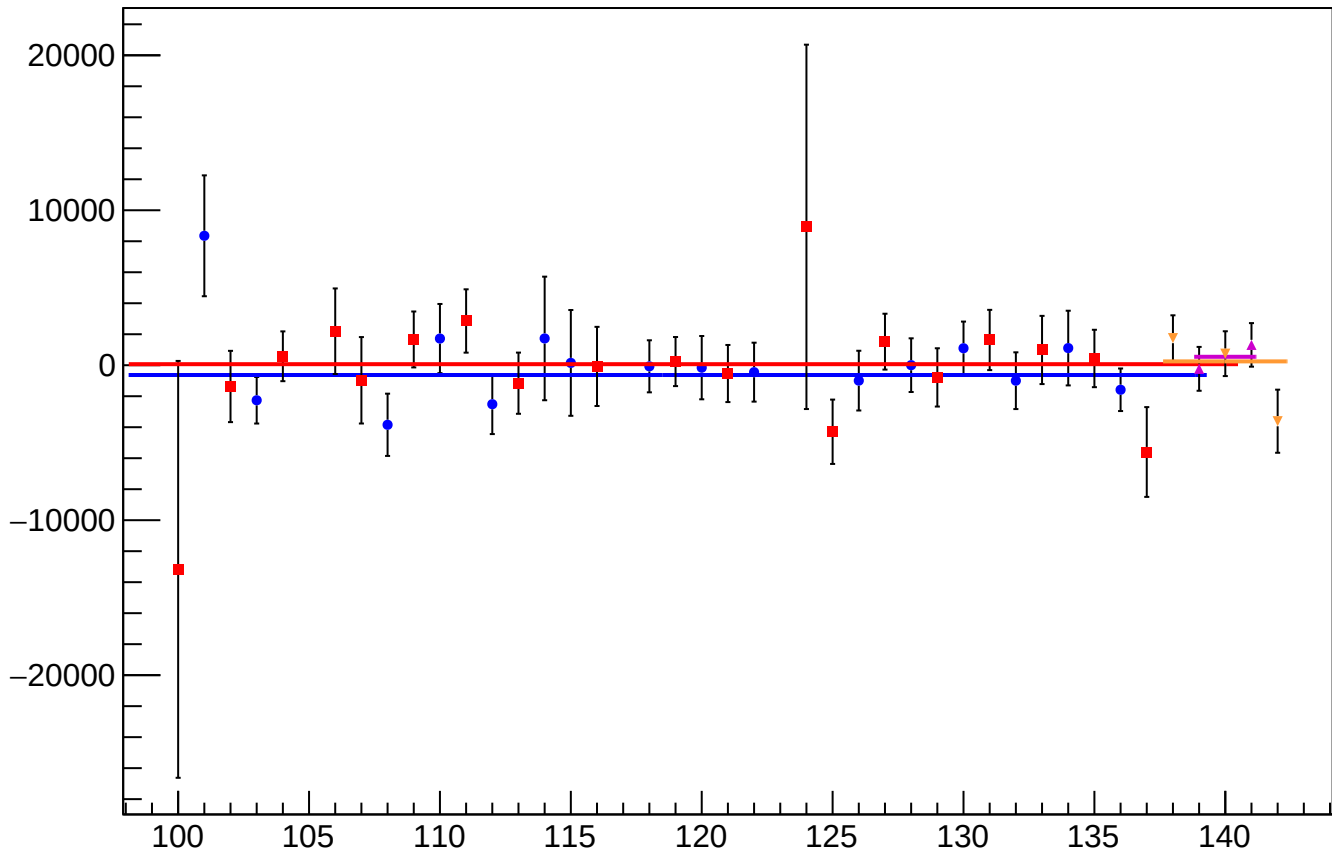
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 316105.3/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5255389.2/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 10719314.2/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 5230849.0/20

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF : 13.9/15

Left Out: 247.683+/-920.243 χ^2/NDF : 4.8/2

Right Out: 67.642+/-487.761 χ^2/NDF : 15.9/18

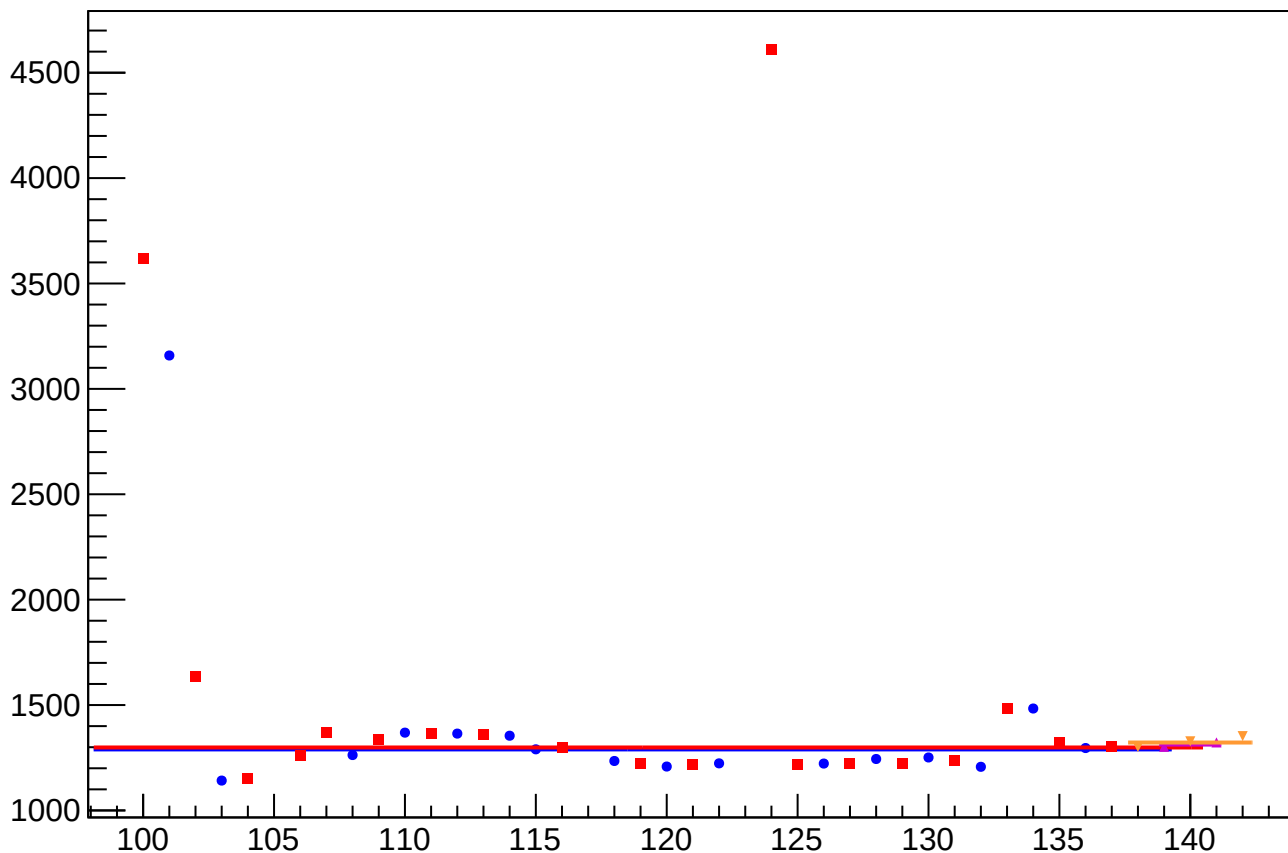
Left In: 544.636+/-997.379 χ^2/NDF : 0.6/1

+ sign -437.762+/-431.588 χ^2/NDF : 19.4/18

All: -143.550+/-307.479 χ^2/NDF : 37.0/39

- sign 159.704+/-438.170 χ^2/NDF : 16.7/20

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: 1322.159 $\pm$ 0.651 χ^2 /NDF:909.7/2

Right Out: 1298.656 $\pm$ 0.344 χ^2 /NDF: 319374.9/18

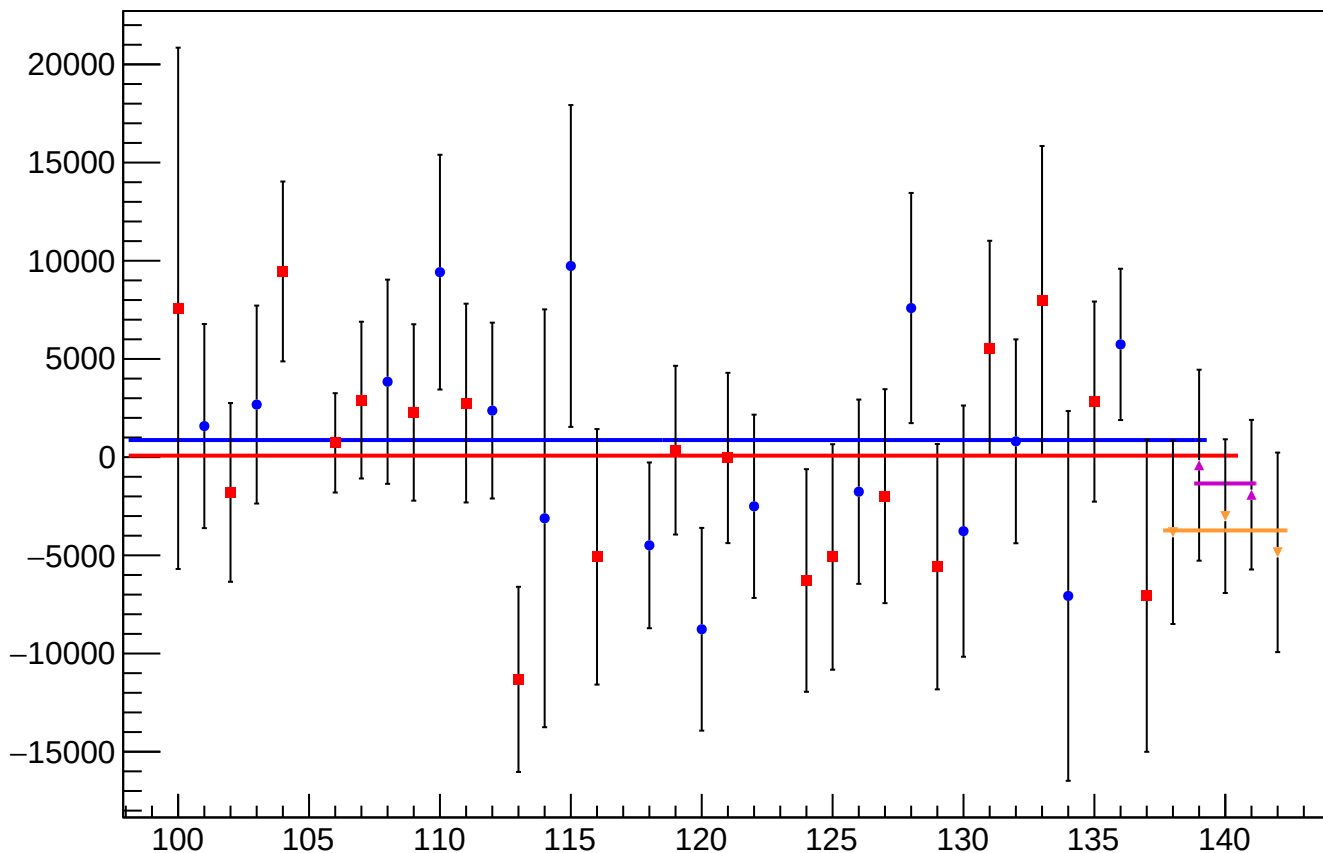
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF:216.7/1

+ sign 1296.657 $\pm$ 0.305 χ^2 /NDF: 517553.8/18

All: 1298.945 $\pm$ 0.217 χ^2 /NDF: 837565.4/39

- sign 1301.294 $\pm$ 0.309 χ^2 /NDF: 319897.7/20

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: -3731.672 ± 2583.711 χ^2/NDF : 0.1/2

Right Out: 77.323 ± 1111.074 χ^2/NDF : 18.4/18

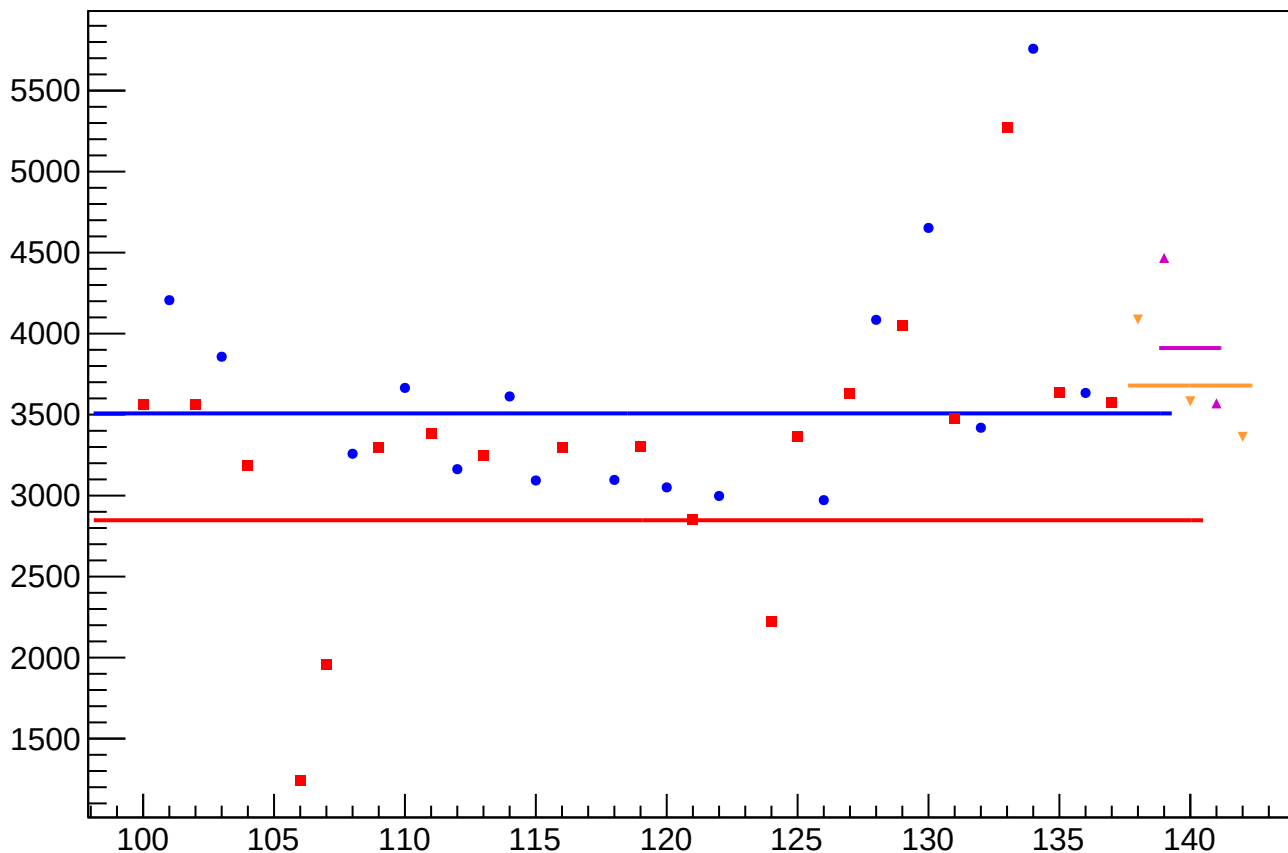
Left In: -1340.957 ± 2998.457 χ^2/NDF : 0.1/1

+ sign -88.291 ± 1179.200 χ^2/NDF : 16.6/18

All: -91.444 ± 780.765 χ^2/NDF : 35.3/39

- sign -93.905 ± 1041.848 χ^2/NDF : 18.6/20

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: 3679.410 $\pm$ 1.827 χ^2/NDF : 24220.0/2

Right Out: 2847.833 $\pm$ 0.786 χ^2/NDF : 1499373.6/18

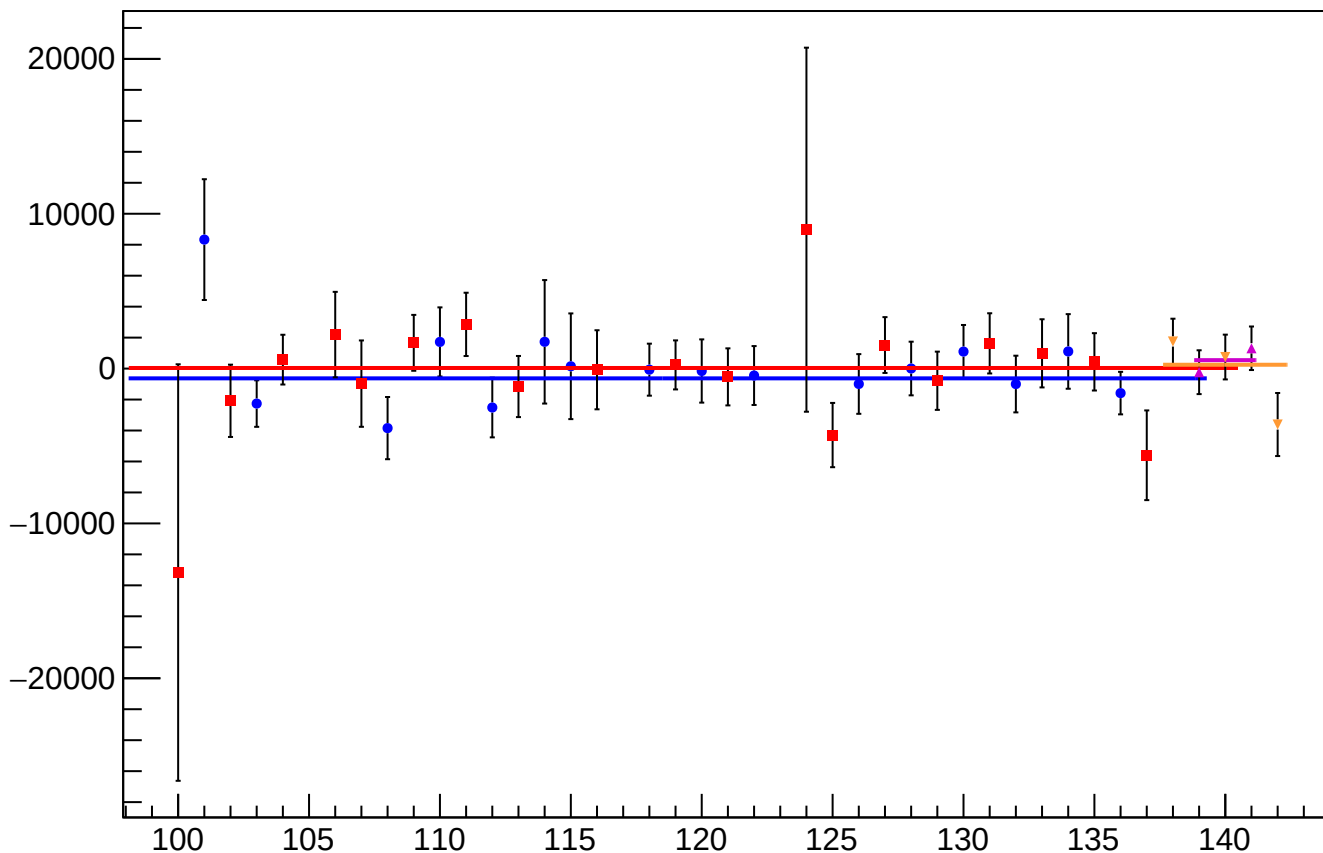
Left In: 3910.991 $\pm$ 2.120 χ^2/NDF : 42242.3/1

+ sign 3543.227 $\pm$ 0.834 χ^2/NDF : 385217.2/18

All: 3224.774 $\pm$ 0.552 χ^2/NDF : 2407639.6/39

- sign 2976.187 $\pm$ 0.737 χ^2/NDF : 1762697.4/20

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF : 13.9/15

Left Out: 247.692+/-920.243 χ^2/NDF : 4.8/2

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

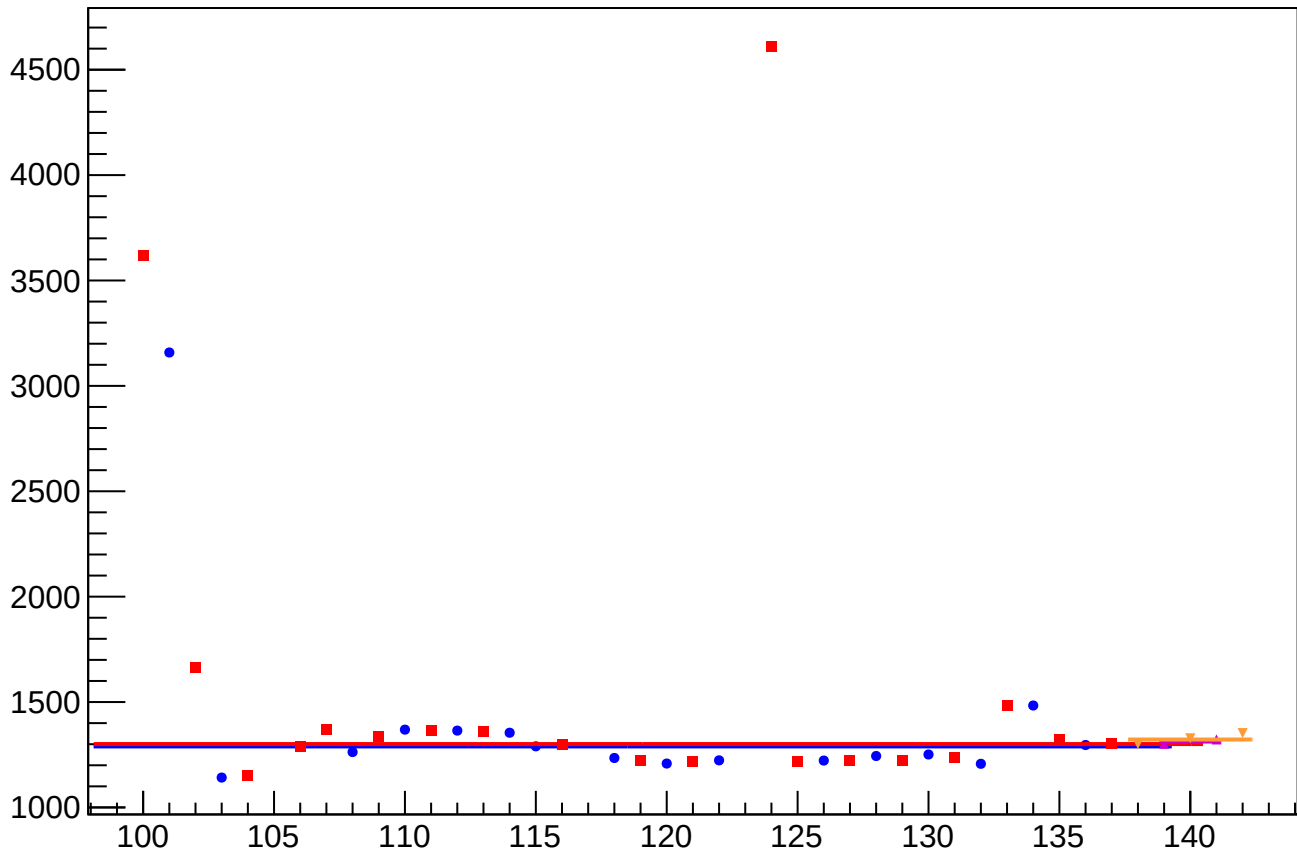
Left In: 544.413+/-997.379 χ^2/NDF : 0.6/1

+ sign -438.060+/-431.588 χ^2/NDF : 19.3/18

All: -155.357+/-307.560 χ^2/NDF : 37.3/39

- sign 136.347+/-438.404 χ^2/NDF : 17.1/20

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF : 514676.5/15

Left Out: 1322.159+/-0.651 χ^2/NDF : 909.7/2

Right Out: 1300.684+/-0.344 χ^2/NDF : 325907.6/18

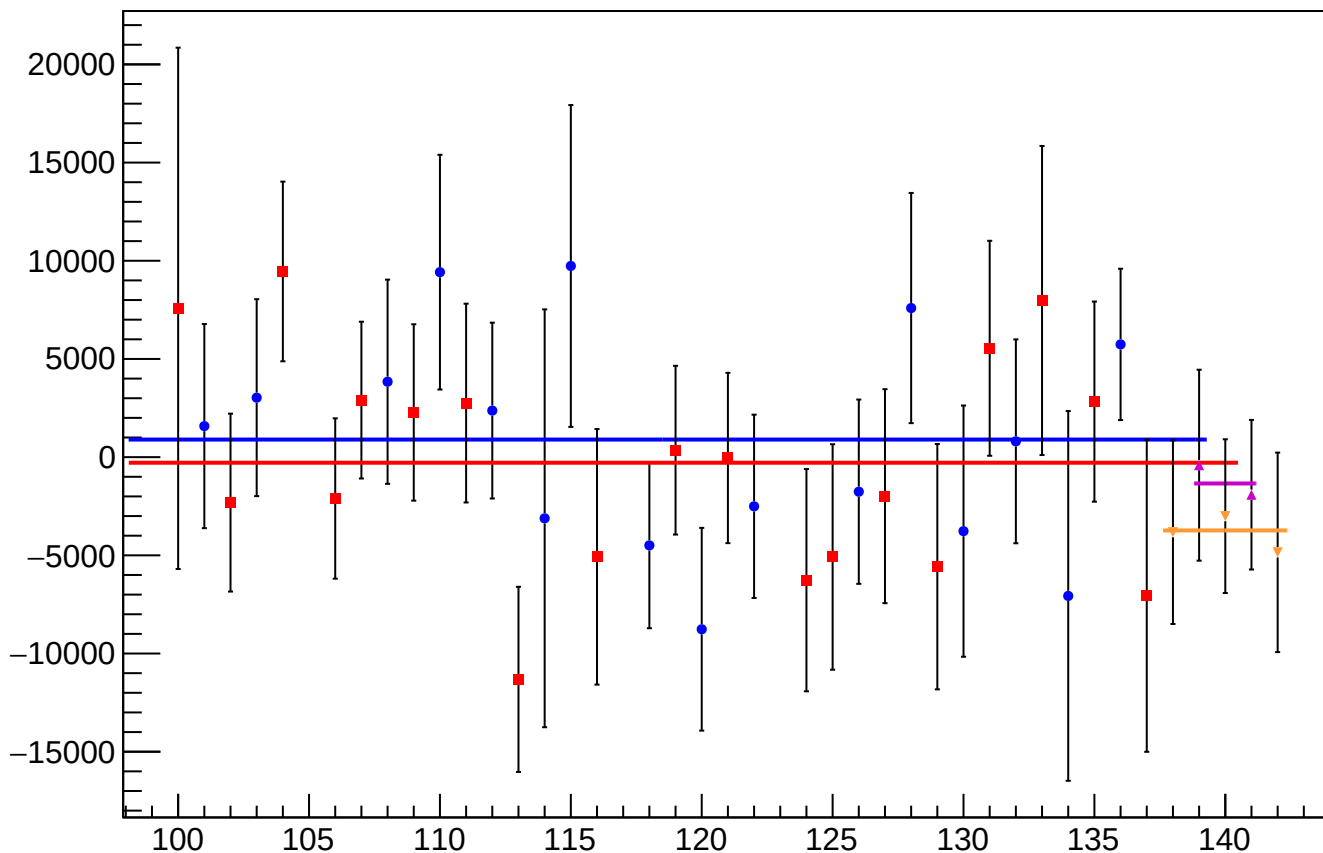
Left In: 1312.384+/-0.705 χ^2/NDF : 216.7/1

+ sign 1296.657+/-0.305 χ^2/NDF : 517555.3/18

All: 1299.753+/-0.217 χ^2/NDF : 844110.6/39

- sign 1302.938+/-0.310 χ^2/NDF : 326346.6/20

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 χ^2/NDF : 14.1/15

Left Out: -3731.705 ± 2583.709 χ^2/NDF : 0.1/2

Right Out: -283.963 ± 1183.171 χ^2/NDF : 18.6/18

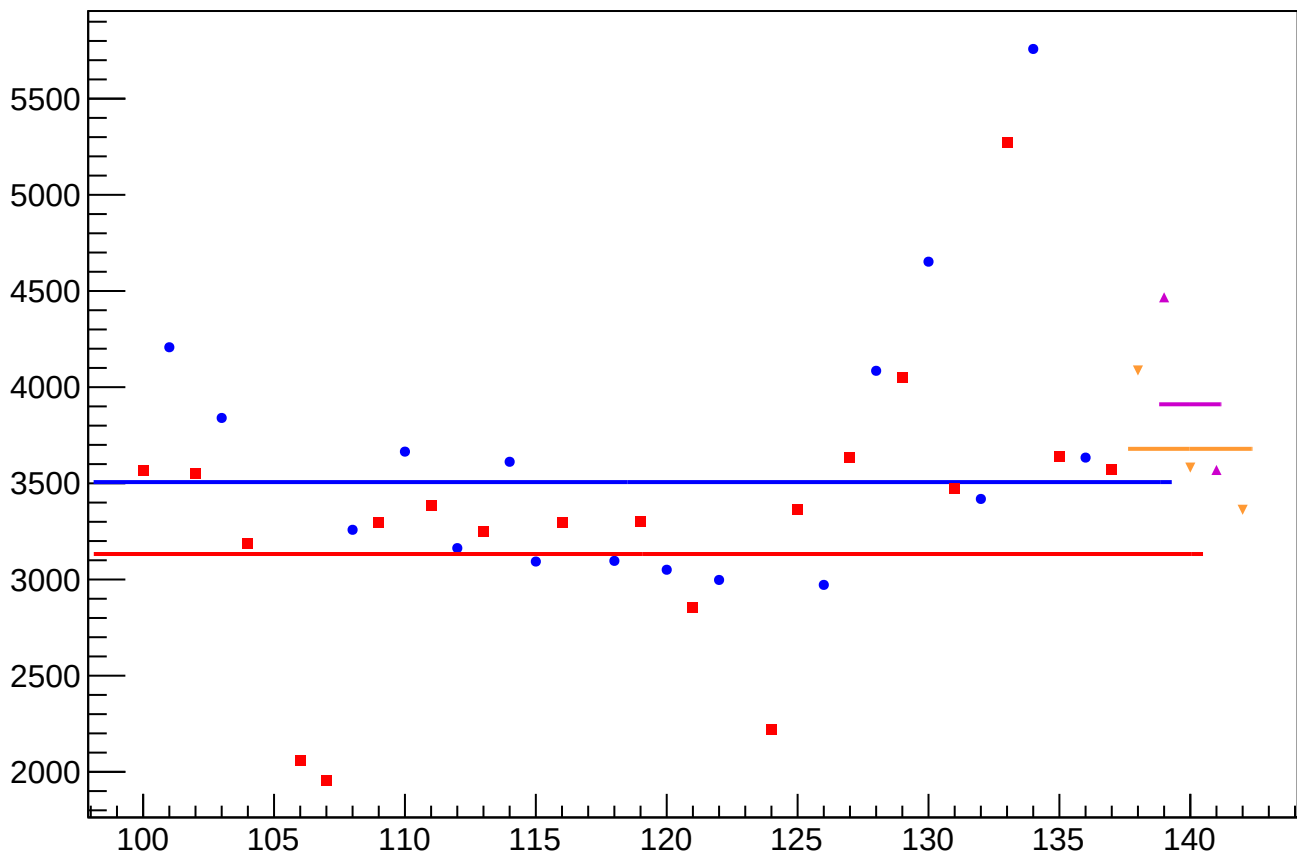
Left In: -1340.949 ± 2998.450 χ^2/NDF : 0.1/1

+ sign -67.411 ± 1178.879 χ^2/NDF : 16.7/18

All: -259.204 ± 804.488 χ^2/NDF : 35.5/39

- sign -426.367 ± 1100.587 χ^2/NDF : 18.8/20

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF : 353237.7/15

Left Out: 3679.407+/-1.827 χ^2/NDF : 24219.8/2

Right Out: 3132.586+/-0.837 χ^2/NDF : 649611.1/18

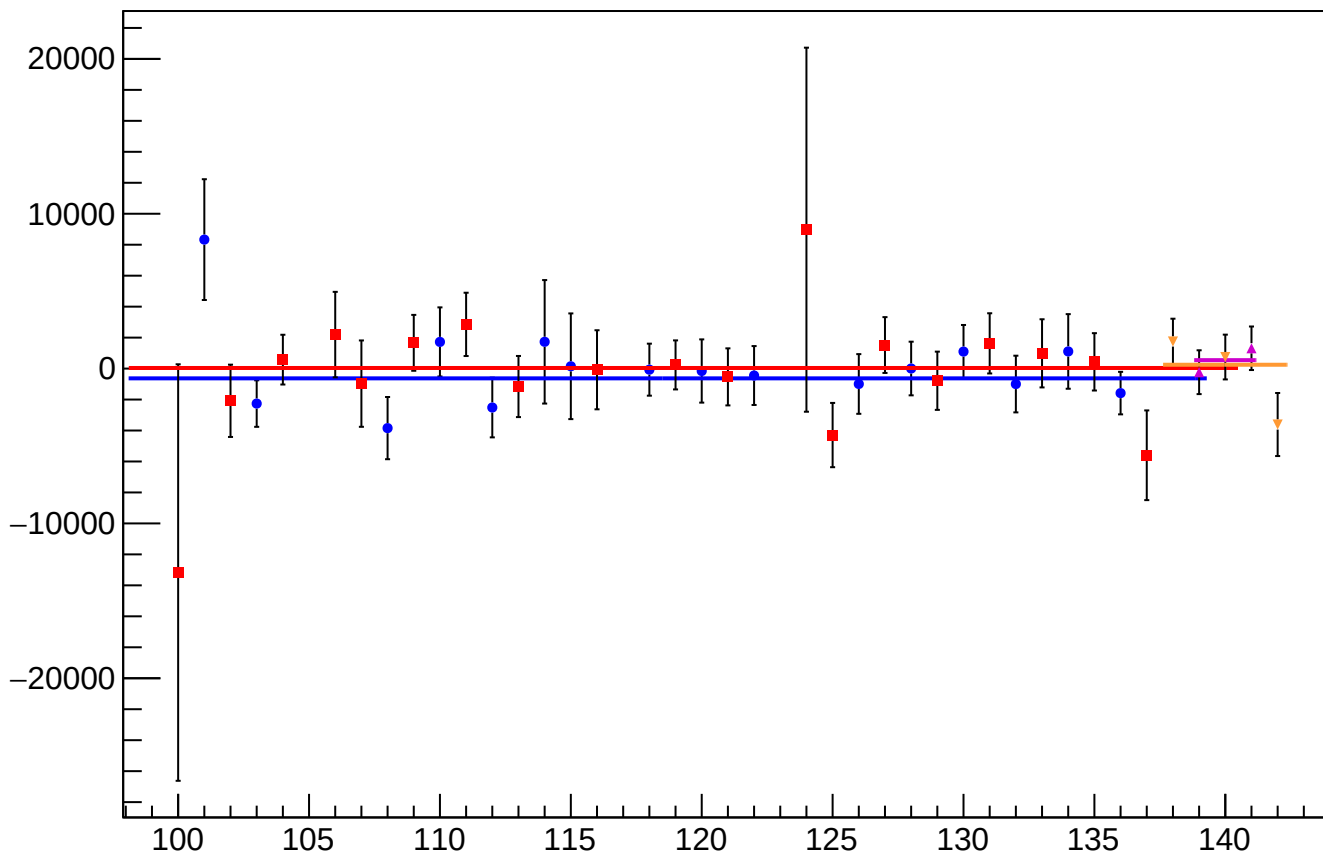
Left In: 3910.982+/-2.120 χ^2/NDF : 42241.5/1

+ sign 3542.484+/-0.834 χ^2/NDF : 384551.2/18

All: 3379.506+/-0.569 χ^2/NDF : 1264569.9/39

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF : 13.9/15

Left Out: 247.692+/-920.243 χ^2/NDF : 4.8/2

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

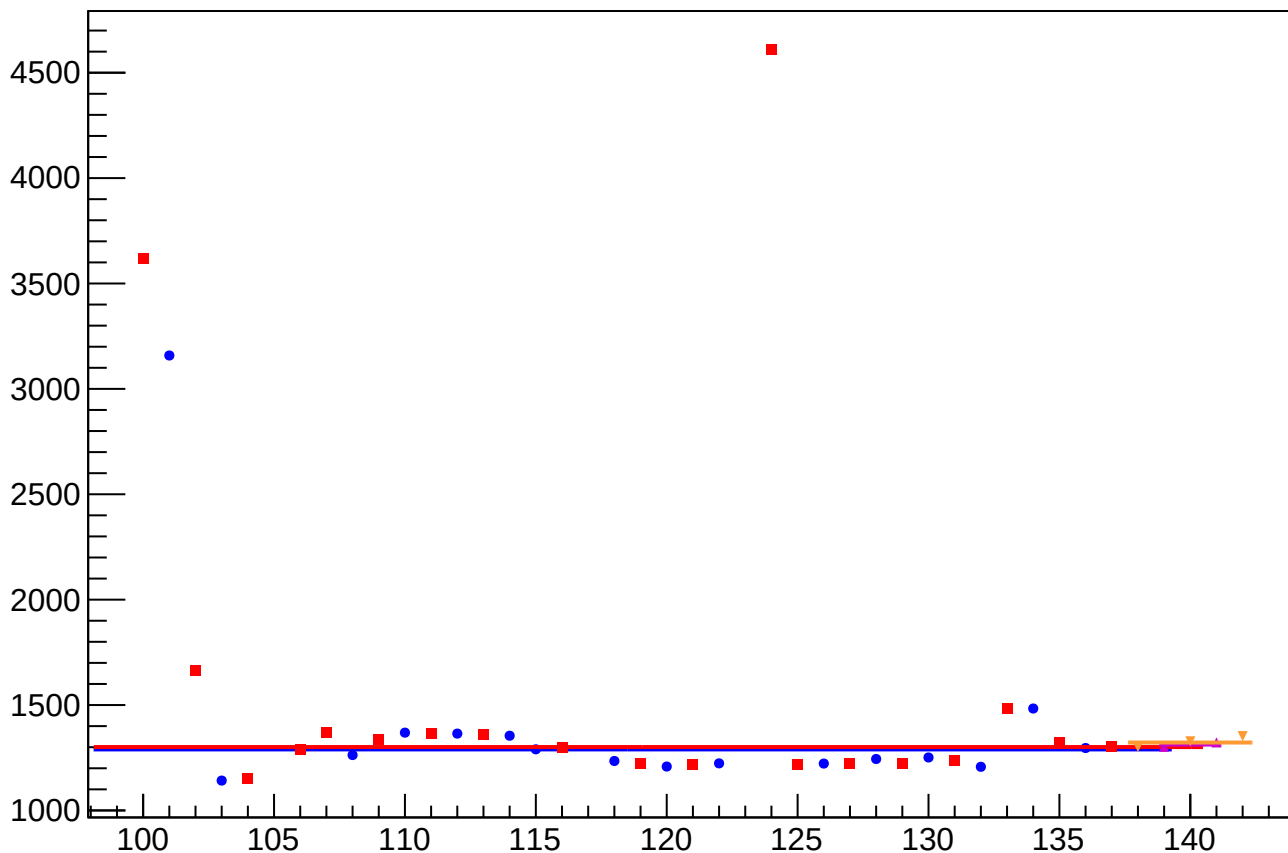
Left In: 544.413+/-997.379 χ^2/NDF : 0.6/1

+ sign -438.060+/-431.588 χ^2/NDF : 19.3/18

All: -155.357+/-307.560 χ^2/NDF : 37.3/39

- sign 136.347+/-438.404 χ^2/NDF : 17.1/20

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: 1322.159 $\pm$ 0.651 χ^2 /NDF:909.7/2

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

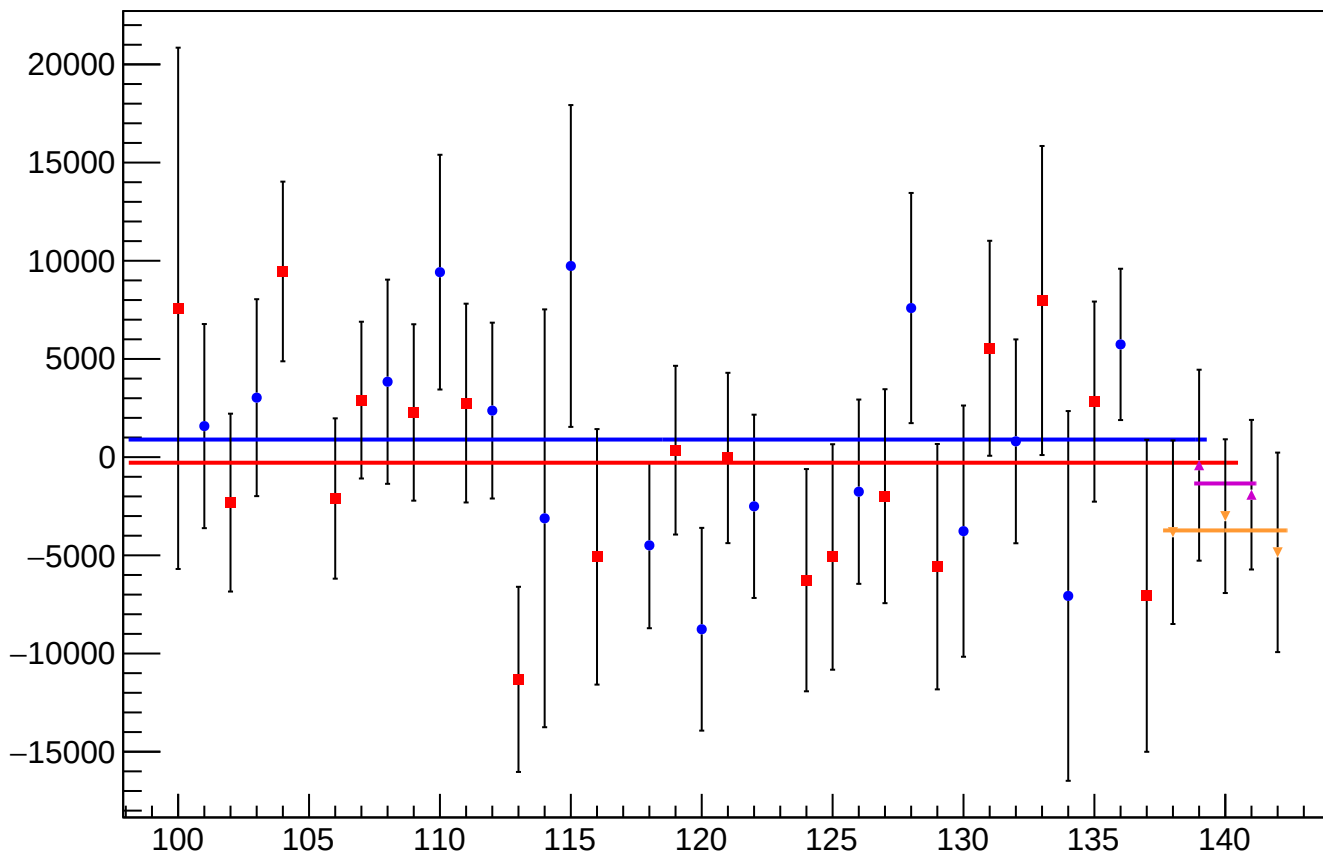
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF:216.7/1

+ sign 1296.657 $\pm$ 0.305 χ^2 /NDF: 517555.3/18

All: 1299.753 $\pm$ 0.217 χ^2 /NDF: 844110.6/39

- sign 1302.938 $\pm$ 0.310 χ^2 /NDF: 326346.6/20

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 χ^2/NDF : 14.1/15

Left Out: -3731.705 ± 2583.709 χ^2/NDF : 0.1/2

Right Out: -283.963 ± 1183.171 χ^2/NDF : 18.6/18

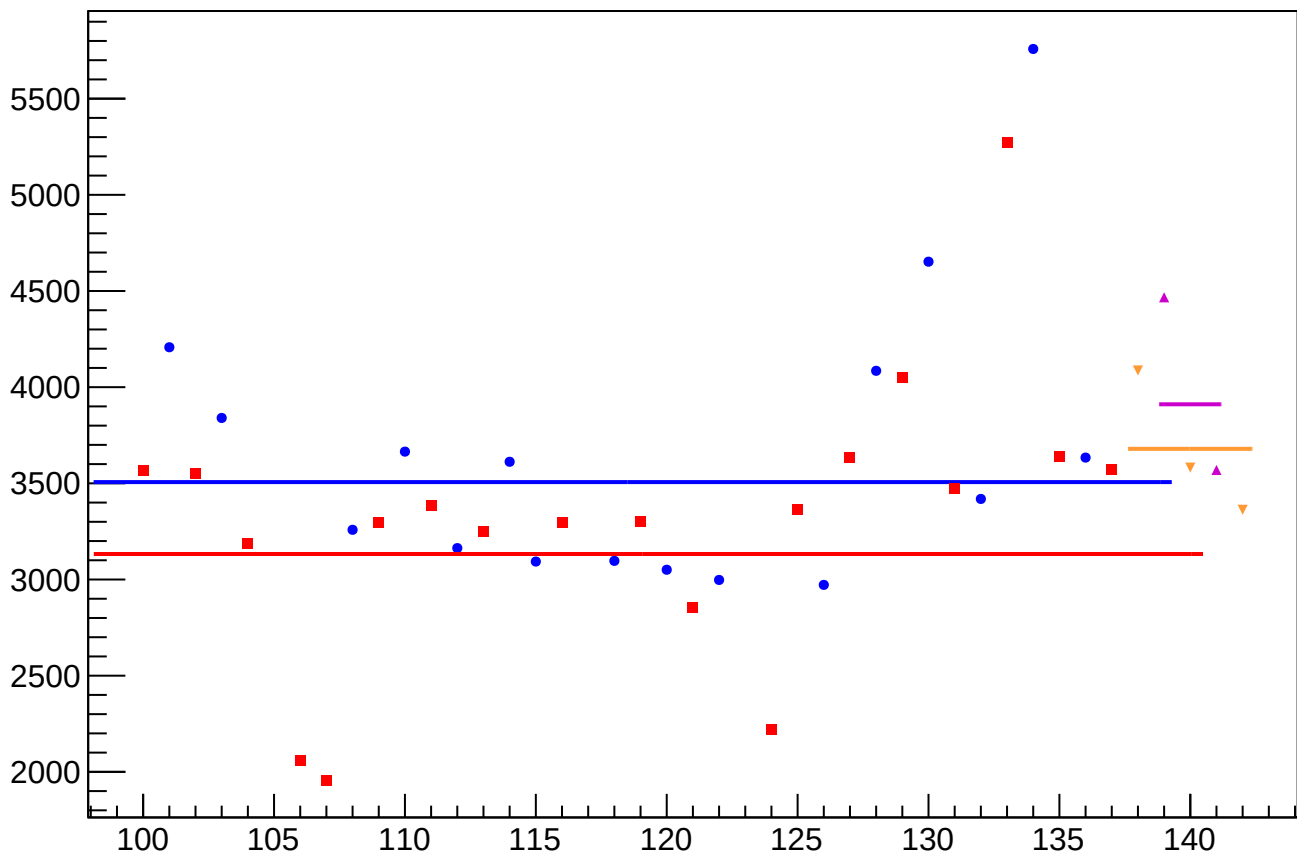
Left In: -1340.949 ± 2998.450 χ^2/NDF : 0.1/1

+ sign -67.411 ± 1178.879 χ^2/NDF : 16.7/18

All: -259.204 ± 804.488 χ^2/NDF : 35.5/39

- sign -426.367 ± 1100.587 χ^2/NDF : 18.8/20

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: 3679.407+/-1.827 χ^2/NDF : 24219.8/2

Right Out: 3132.586+/-0.837 χ^2/NDF : 649611.1/18

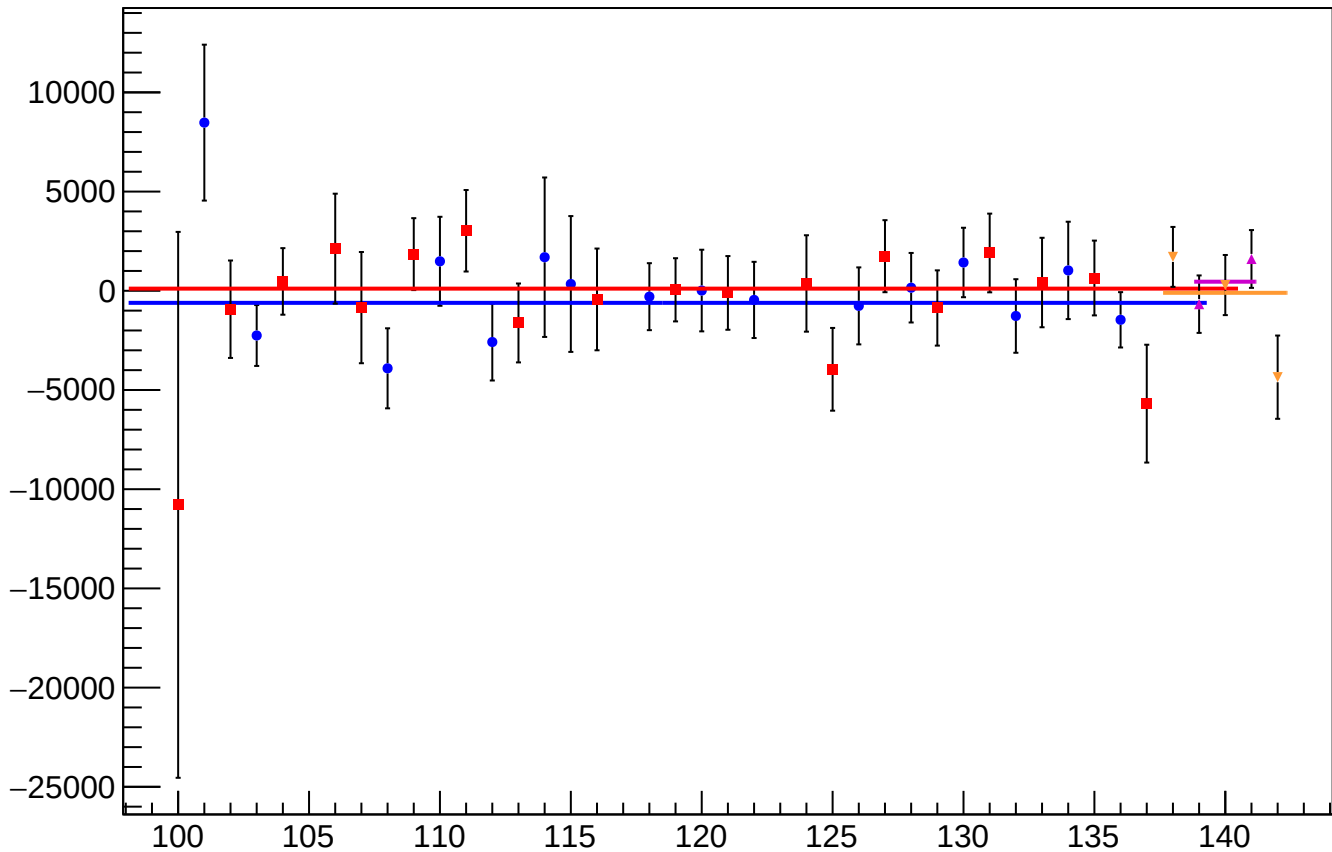
Left In: 3910.982+/-2.120 χ^2/NDF : 42241.5/1

+ sign 3542.484+/-0.834 χ^2/NDF : 384551.2/18

All: 3379.506+/-0.569 χ^2/NDF : 1264569.9/39

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831 ± 494.182 χ^2/NDF : 14.1/15

Left Out: -102.420 ± 952.859 χ^2/NDF : 5.6/2

Right Out: 108.614 ± 485.552 χ^2/NDF : 14.9/18

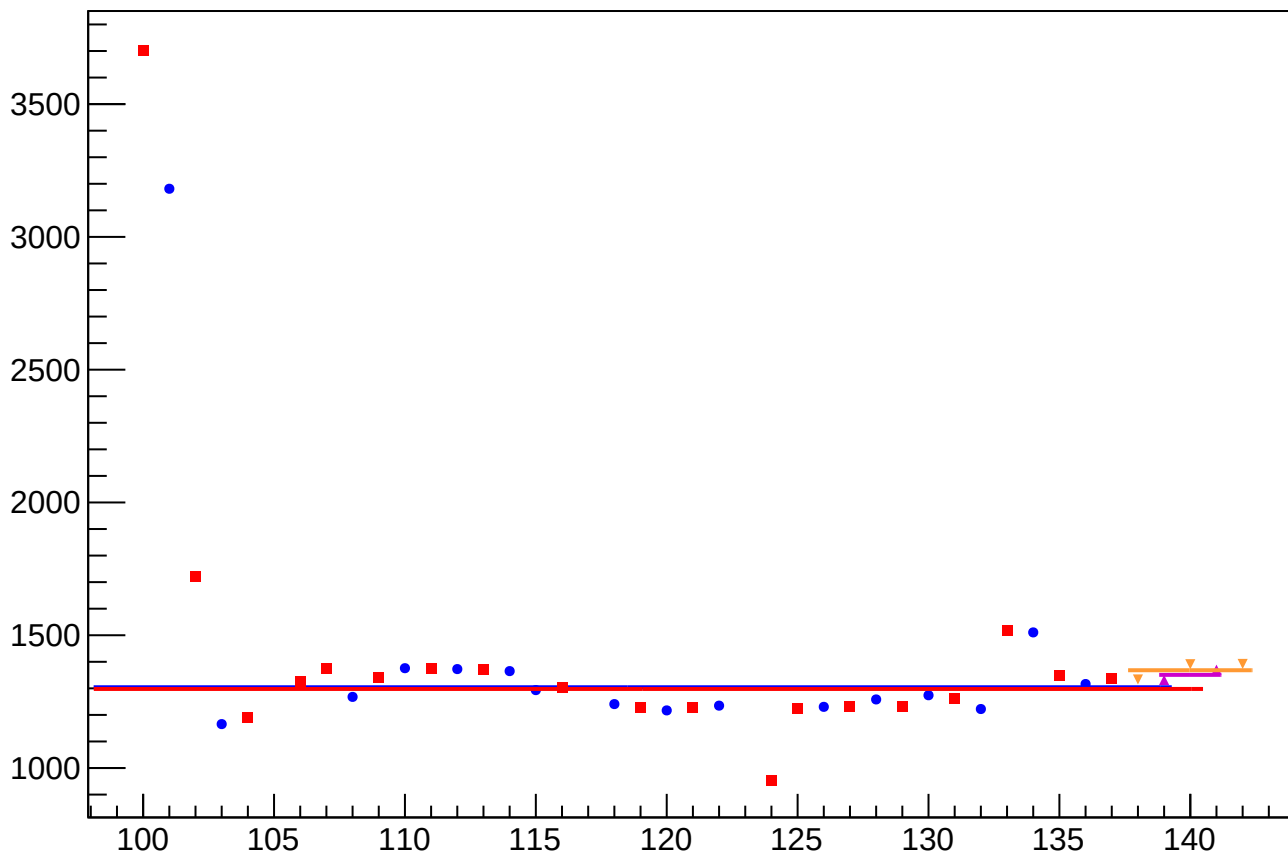
Left In: 458.128 ± 1026.913 χ^2/NDF : 1.2/1

+ sign -500.702 ± 438.692 χ^2/NDF : 19.9/18

All: -164.317 ± 310.296 χ^2/NDF : 37.3/39

- sign 172.476 ± 438.958 χ^2/NDF : 16.2/20

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: 1368.240 $\pm$ 0.674 χ^2 /NDF:1763.2/2

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

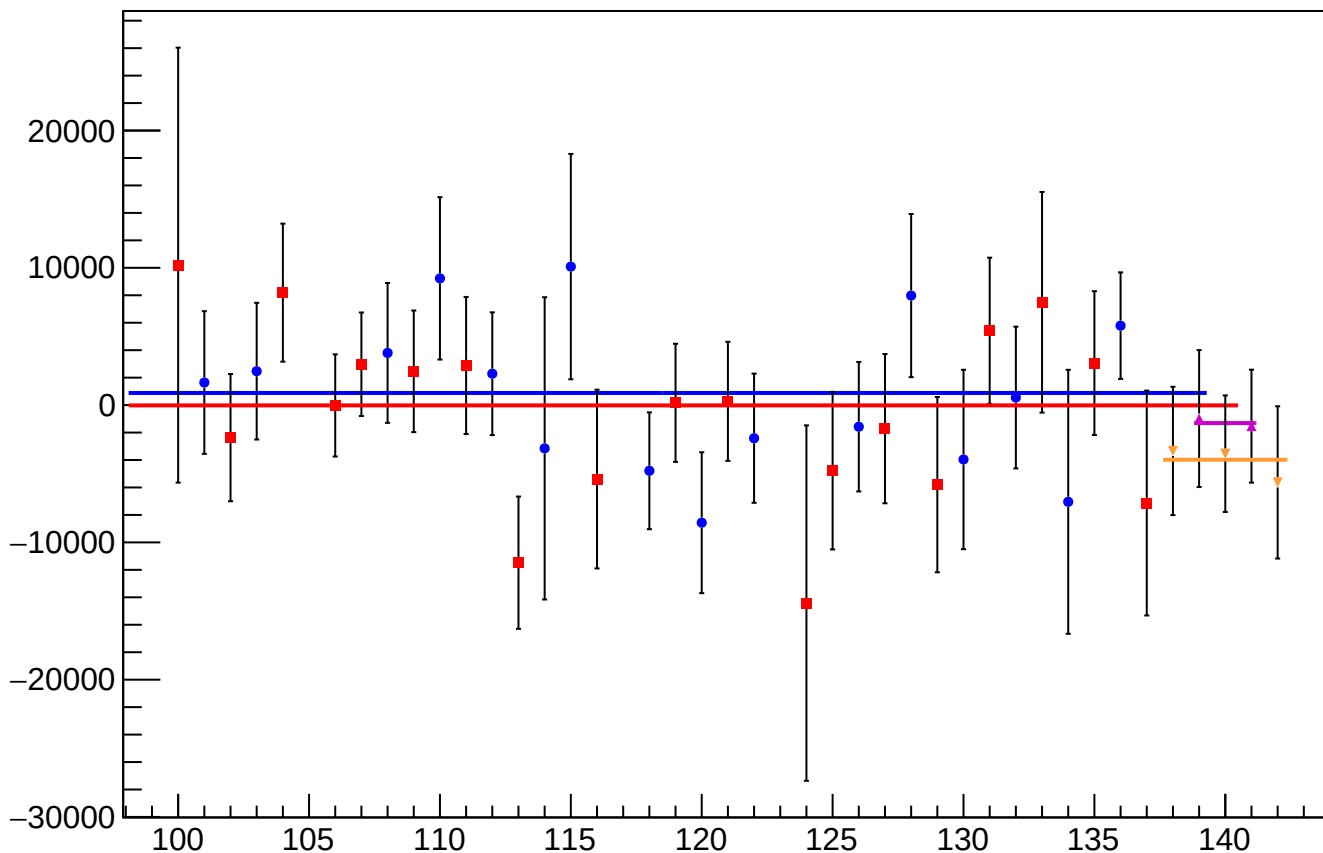
Left In: 1350.869 $\pm$ 0.726 χ^2 /NDF:712.8/1

+ sign 1317.697 $\pm$ 0.310 χ^2 /NDF: 519493.4/18

All: 1312.589 $\pm$ 0.219 χ^2 /NDF: 738212.6/39

- sign 1307.482 $\pm$ 0.310 χ^2 /NDF: 218177.0/20

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: -3978.491 $\pm$ 2733.713 χ^2 /NDF: 0.1/2

Right Out: -20.681 $\pm$ 1200.015 χ^2 /NDF: 16.8/18

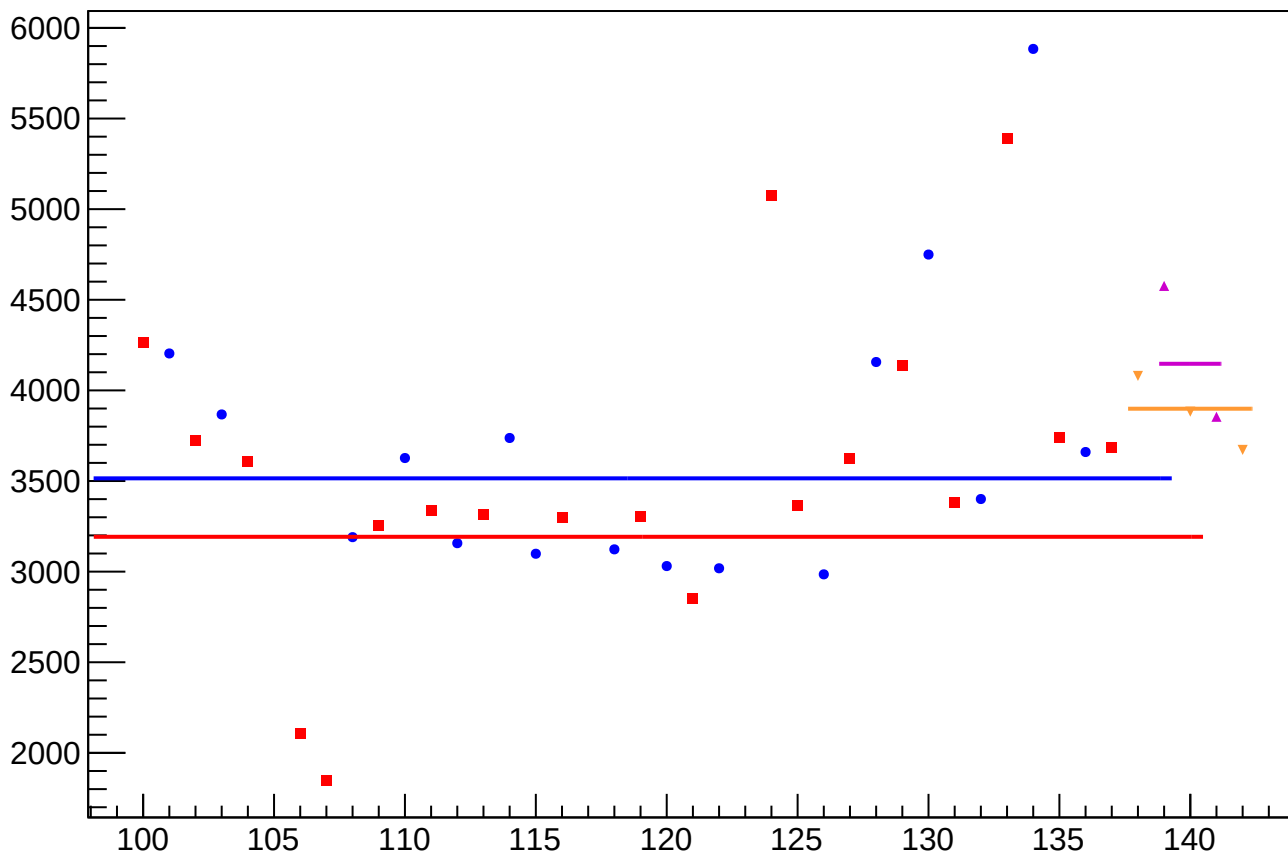
Left In: -1309.261 $\pm$ 3173.459 χ^2 /NDF: 0.0/1

+ sign -43.672 $\pm$ 1194.076 χ^2 /NDF: 16.8/18

All: -117.048 $\pm$ 817.840 χ^2 /NDF: 33.8/39

- sign -181.885 $\pm$ 1122.446 χ^2 /NDF: 17.0/20

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: 3898.865 $\pm$ 1.933 χ^2 /NDF:6386.5/2

+ sign 3588.032 $\pm$ 0.844 χ^2 /NDF: 413418.5/18

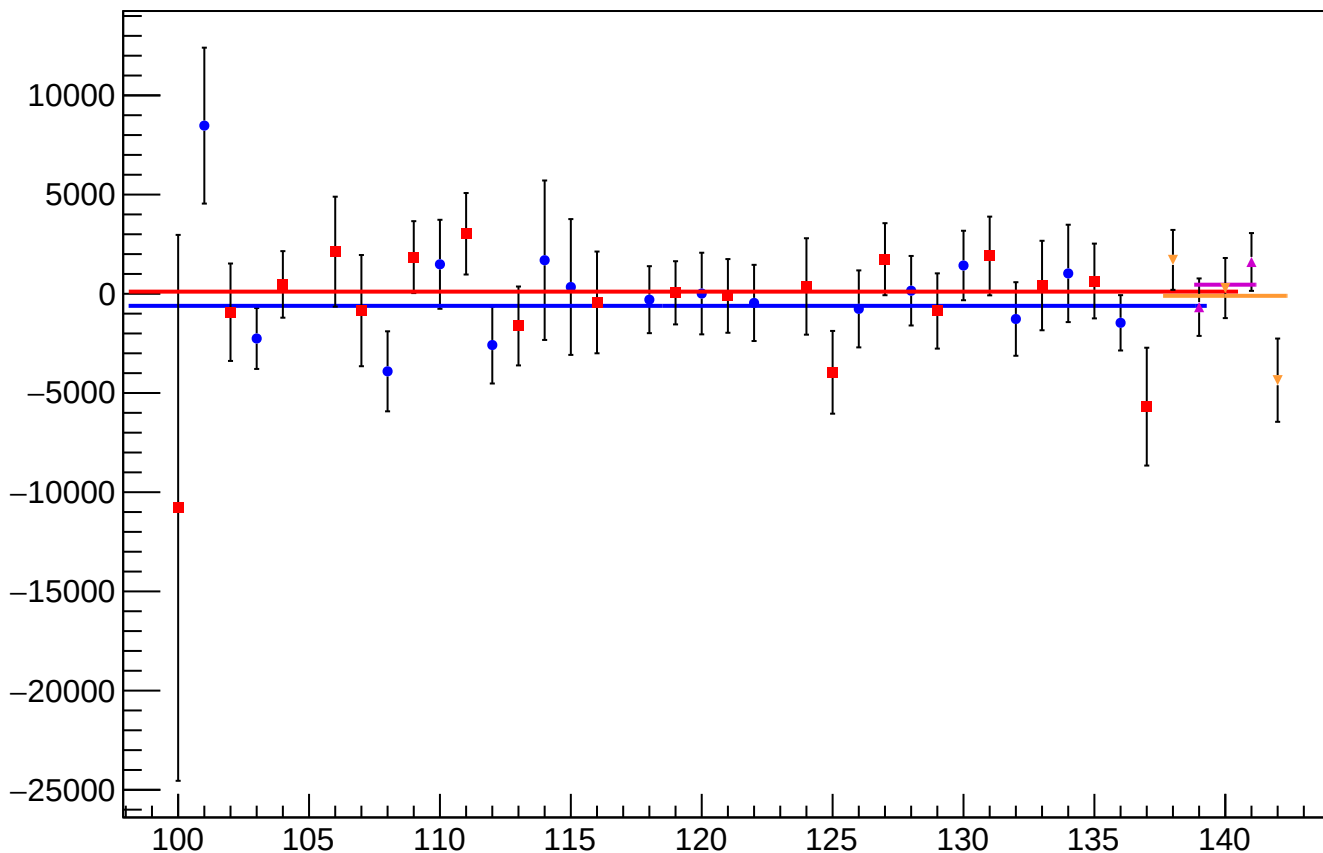
Right Out: 3192.203 $\pm$ 0.849 χ^2 /NDF: 772495.7/18

All: 3441.290 $\pm$ 0.578 χ^2 /NDF: 1426079.6/39

Left In: 4146.801 $\pm$ 2.244 χ^2 /NDF:24941.6/1

- sign 3311.626 $\pm$ 0.794 χ^2 /NDF: 955766.8/20

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: -102.431+/-952.859 χ^2/NDF : 5.6/2

Right Out: 108.619+/-485.553 χ^2/NDF : 14.9/18

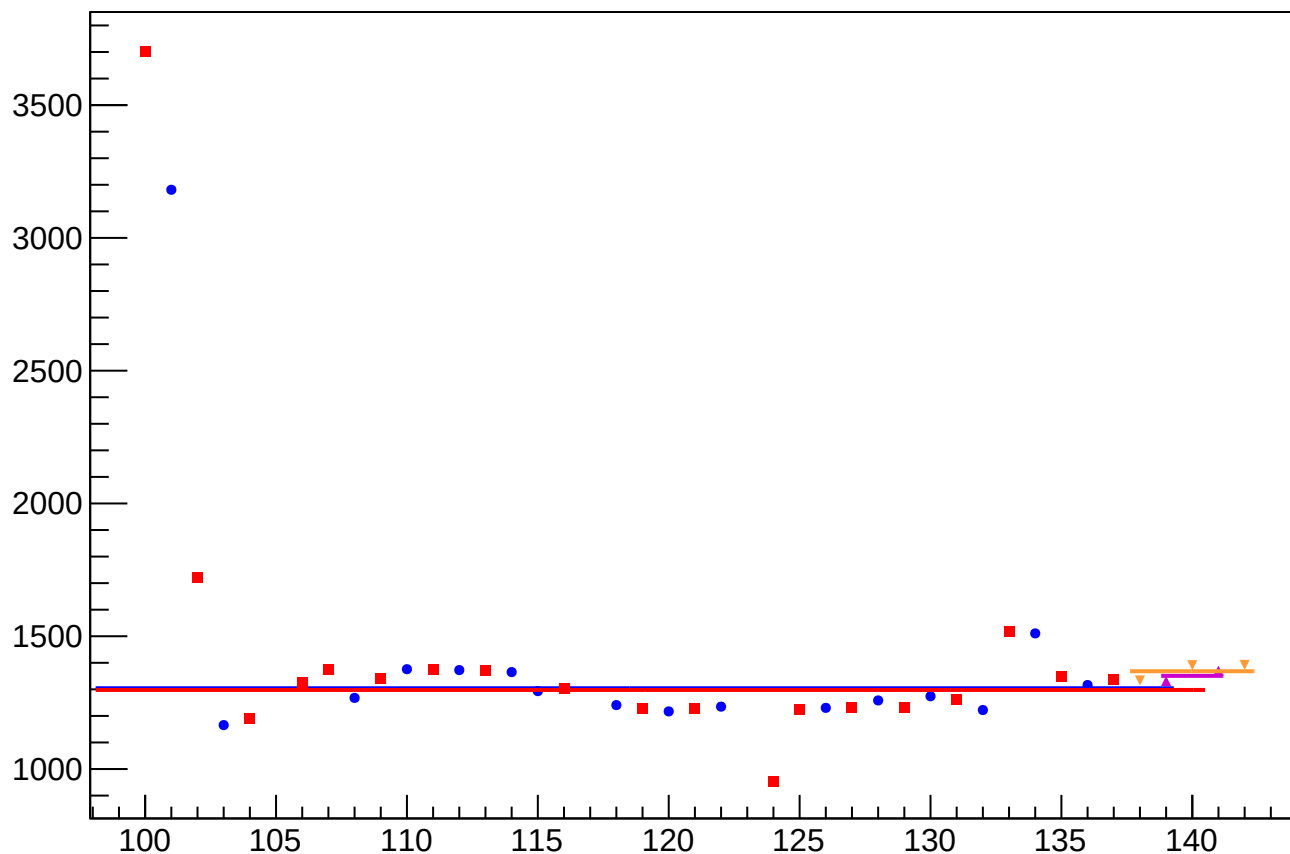
Left In: 458.120+/-1026.914 χ^2/NDF : 1.2/1

+ sign -500.707+/-438.692 χ^2/NDF : 19.9/18

All: -164.318+/-310.296 χ^2/NDF : 37.3/39

- sign 172.479+/-438.958 χ^2/NDF : 16.2/20

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF : 510589.6/15

Left Out: 1368.241+/-0.674 χ^2/NDF : 1763.2/2

Right Out: 1297.796+/-0.343 χ^2/NDF : 213097.0/18

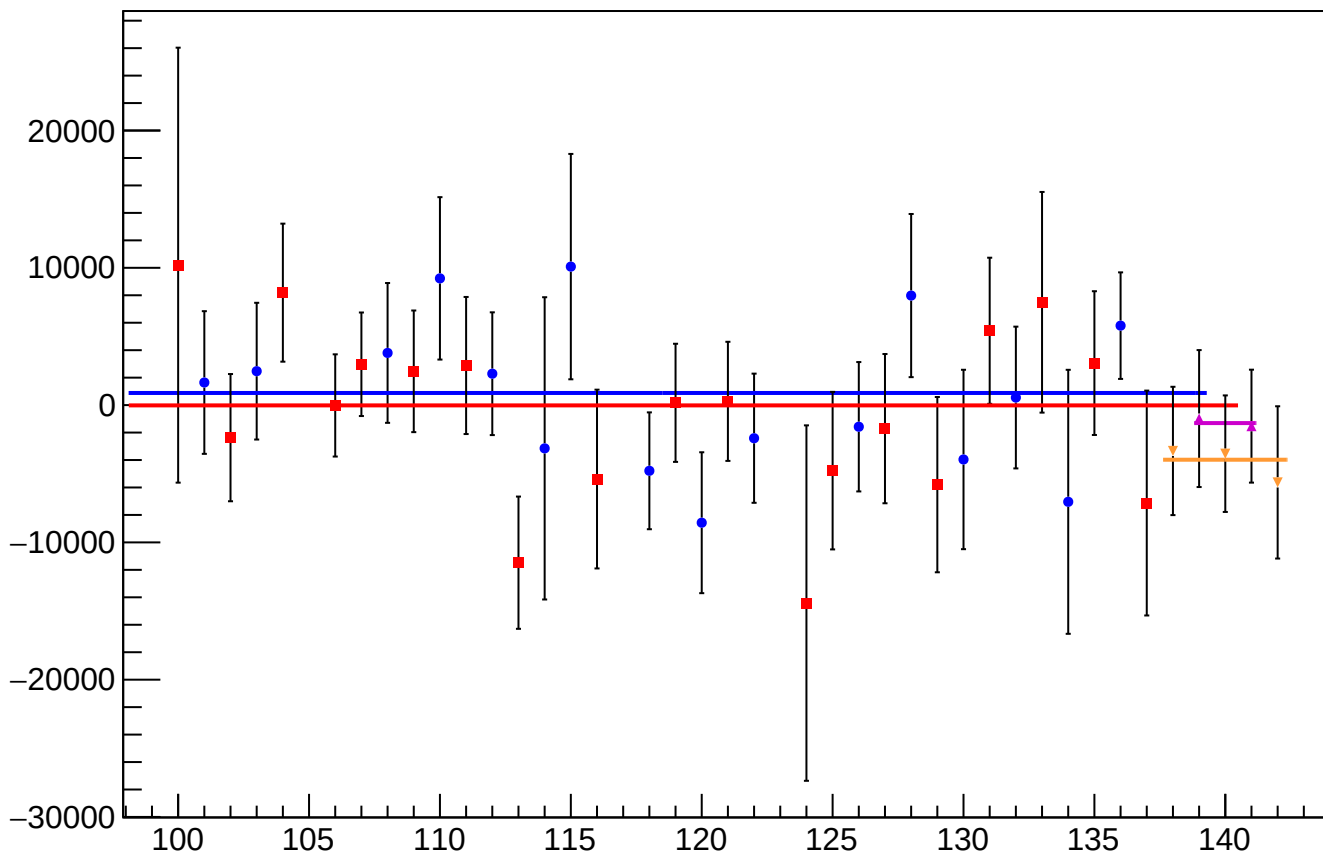
Left In: 1350.870+/-0.726 χ^2/NDF : 712.8/1

+ sign 1317.697+/-0.310 χ^2/NDF : 519493.7/18

All: 1312.590+/-0.219 χ^2/NDF : 738213.1/39

- sign 1307.482+/-0.310 χ^2/NDF : 218177.1/20

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 884.047 ± 1327.396 χ^2/NDF : 14.1/15

Left Out: -3978.505 ± 2733.718 χ^2/NDF : 0.1/2

Right Out: -20.677 ± 1200.012 χ^2/NDF : 16.8/18

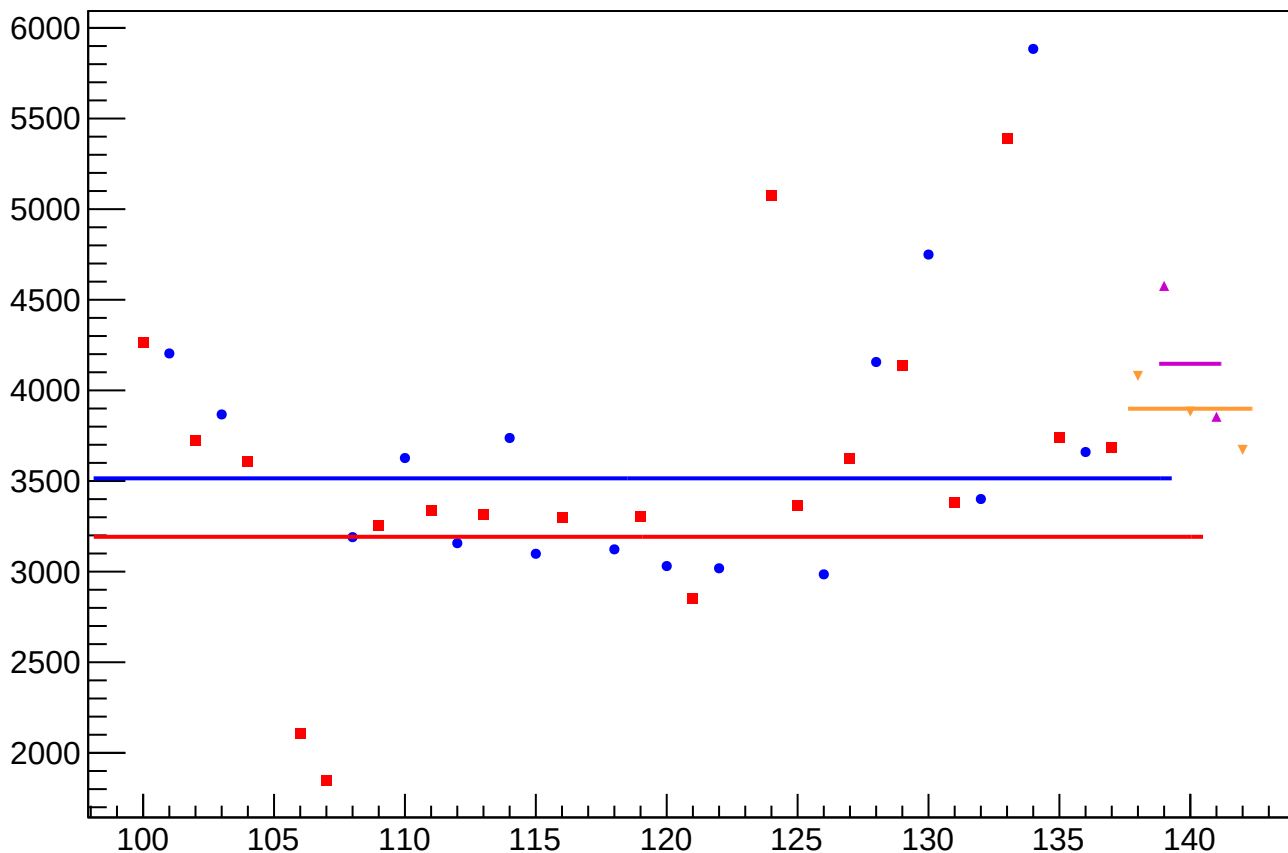
Left In: -1309.271 ± 3173.463 χ^2/NDF : 0.0/1

+ sign -43.677 ± 1194.074 χ^2/NDF : 16.8/18

All: -117.049 ± 817.838 χ^2/NDF : 33.8/39

- sign -181.882 ± 1122.443 χ^2/NDF : 17.0/20

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 3514.737+/-0.939 χ^2/NDF : 375082.8/15

Left Out: 3898.871+/-1.933 χ^2/NDF : 6386.6/2

Right Out: 3192.196+/-0.849 χ^2/NDF : 772497.9/18

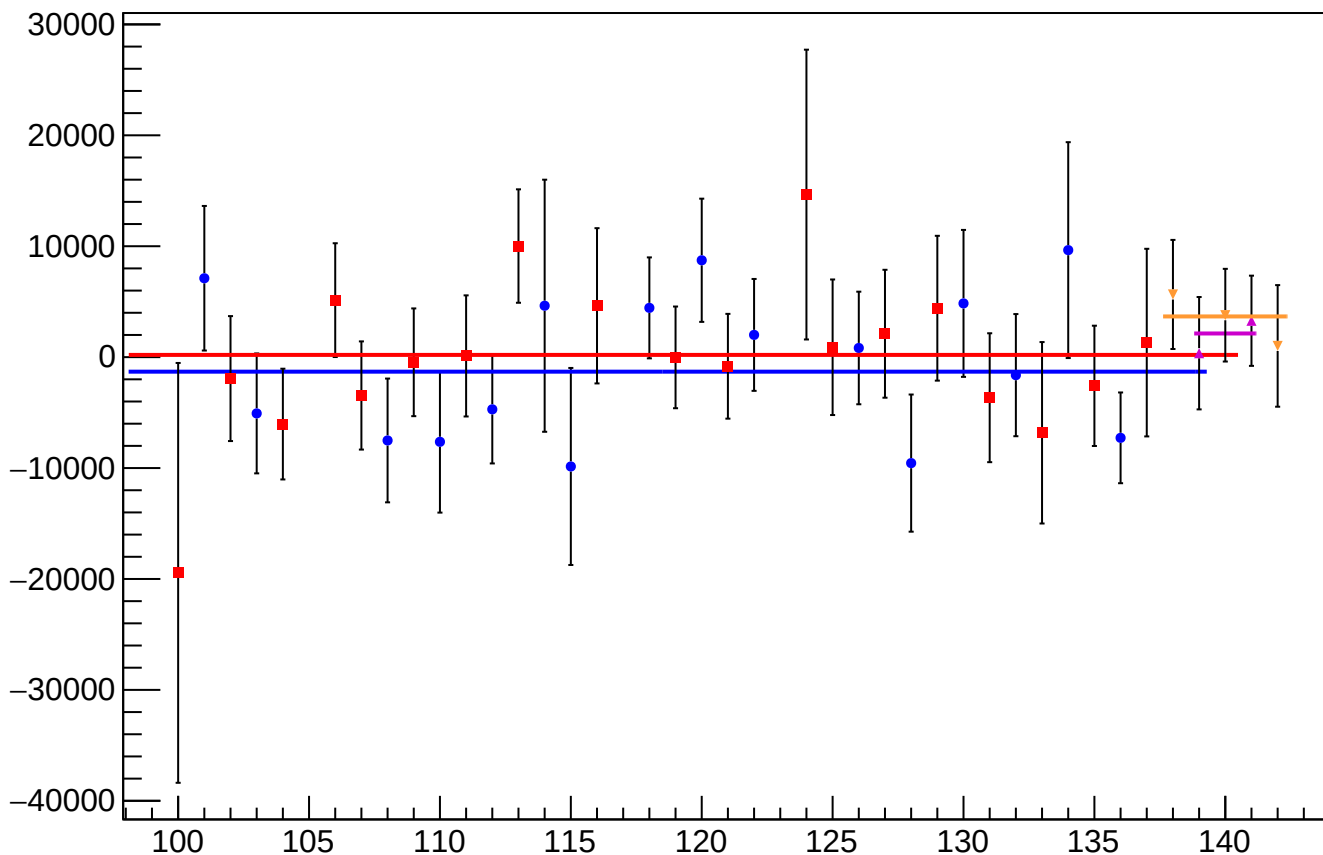
Left In: 4146.807+/-2.244 χ^2/NDF : 24942.3/1

+ sign 3588.026+/-0.844 χ^2/NDF : 413425.3/18

All: 3441.283+/-0.578 χ^2/NDF : 1426094.0/39

- sign 3311.619+/-0.794 χ^2/NDF : 955774.0/20

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF : 17.6/15

Left Out: 3669.705+/-2753.396 χ^2/NDF : 0.4/2

Right Out: 201.593+/-1336.062 χ^2/NDF : 11.6/18

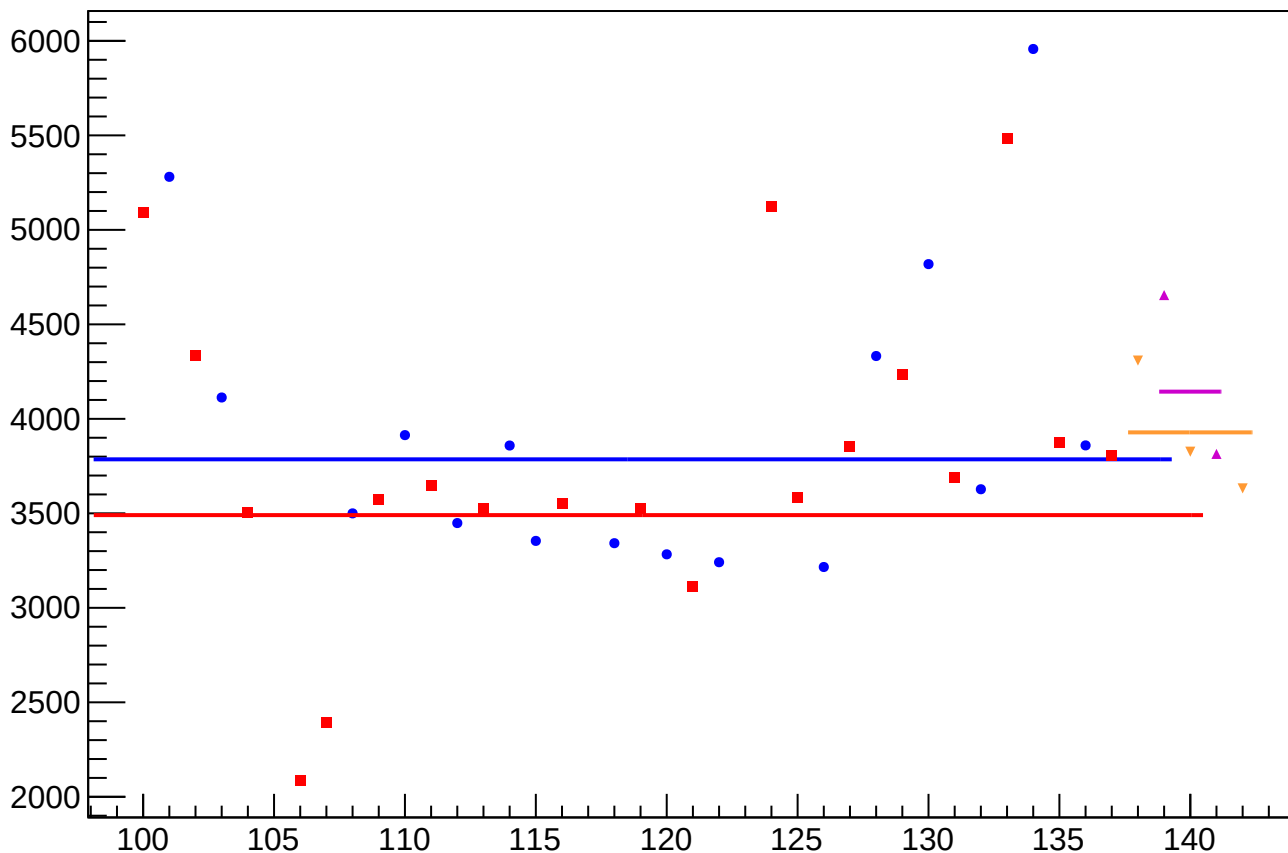
Left In: 2133.541+/-3171.289 χ^2/NDF : 0.2/1

+ sign -249.741+/-1270.188 χ^2/NDF : 20.5/18

All: 133.090+/-884.072 χ^2/NDF : 32.9/39

- sign 492.812+/-1231.253 χ^2/NDF : 12.2/20

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 3928.391+/-1.947 χ^2/NDF : 18979.5/2

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

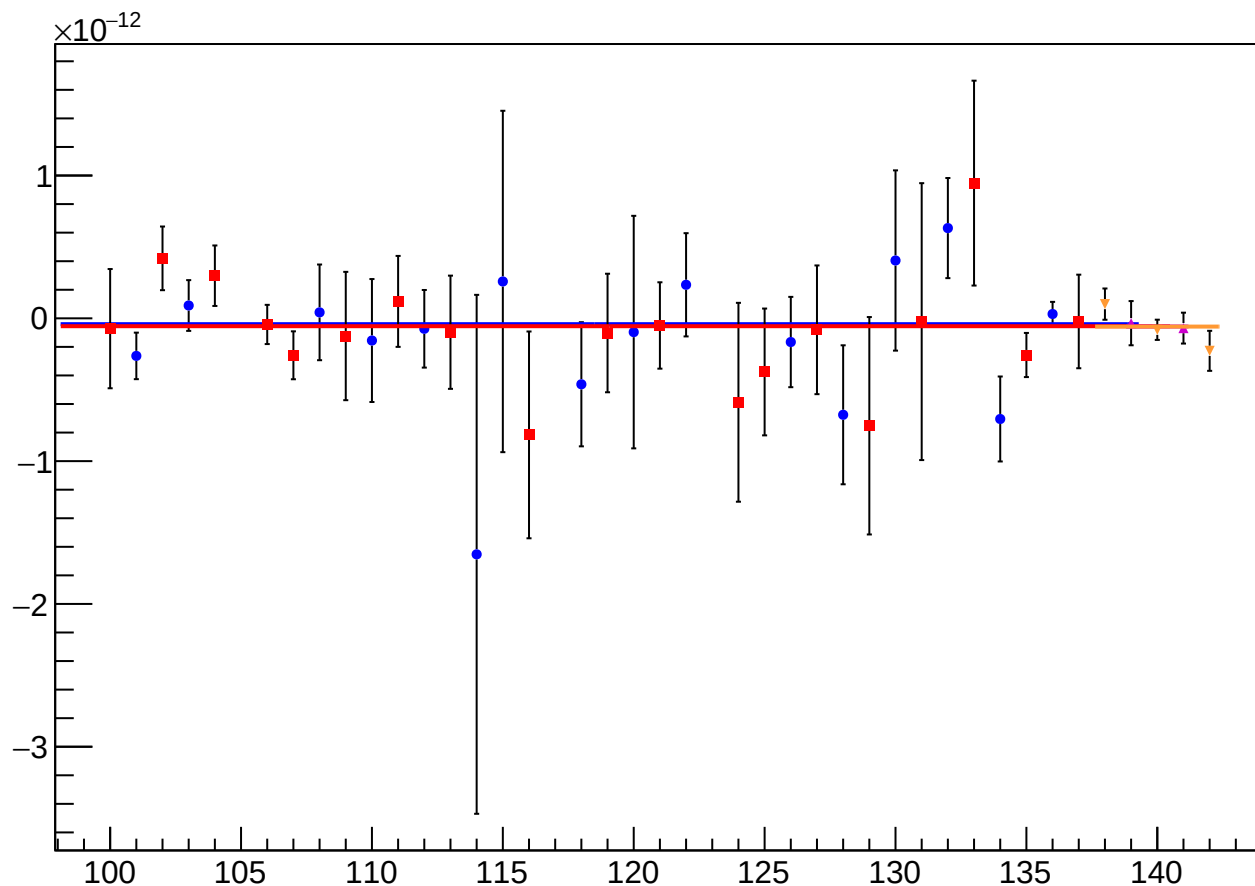
Left In: 4143.971+/-2.242 χ^2/NDF : 33477.9/1

+ sign 3816.124+/-0.898 χ^2/NDF : 406196.3/18

All: 3696.570+/-0.621 χ^2/NDF : 1132762.7/39

- sign 3586.825+/-0.861 χ^2/NDF : 692583.1/20

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 : 3.6/2

Right Out: -0.000+/-0.000 χ^2/NDF : 15.9/18

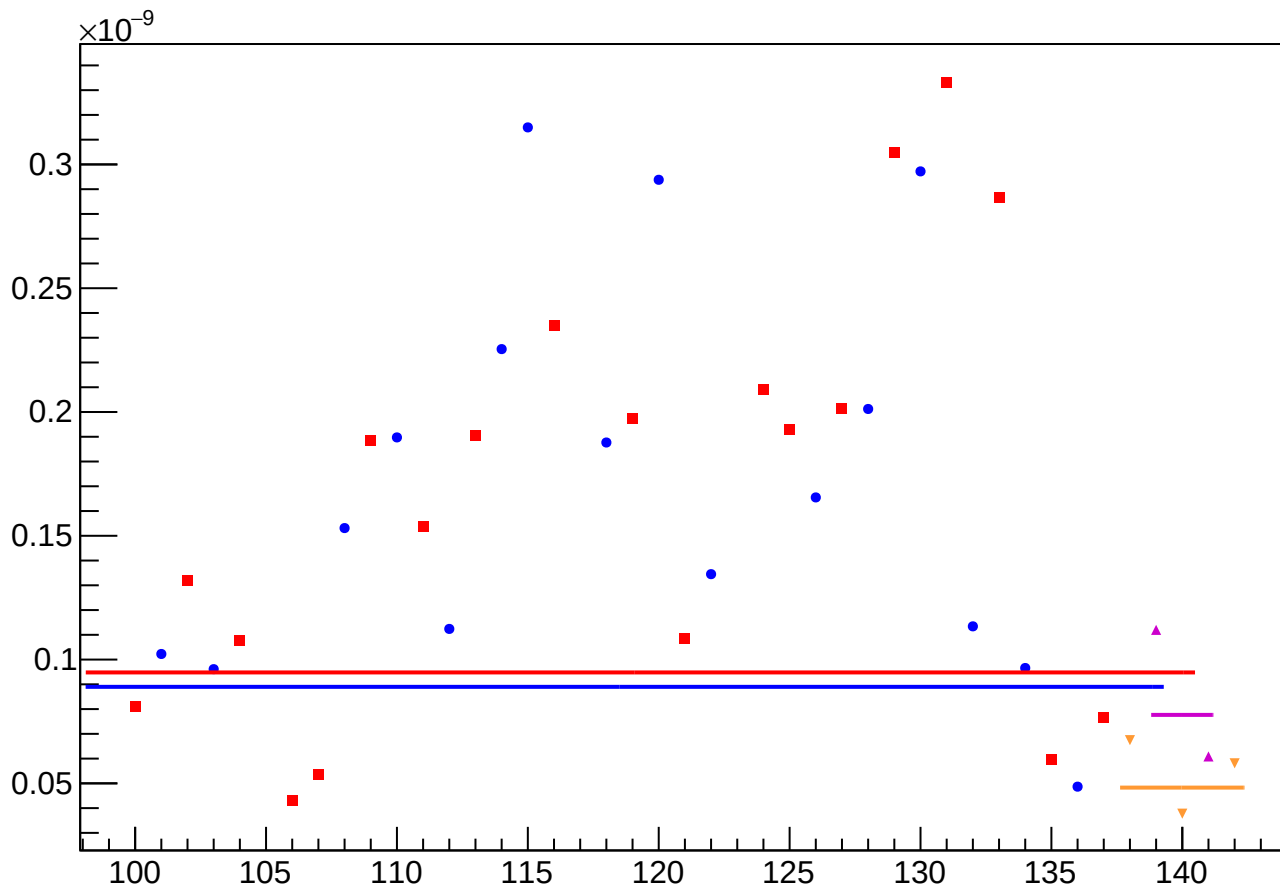
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 20.3/18

All: -0.000+/-0.000 χ^2/NDF : 36.2/39

- sign -0.000+/-0.000 χ^2/NDF : 15.9/20

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 :115302.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1734601.4/18

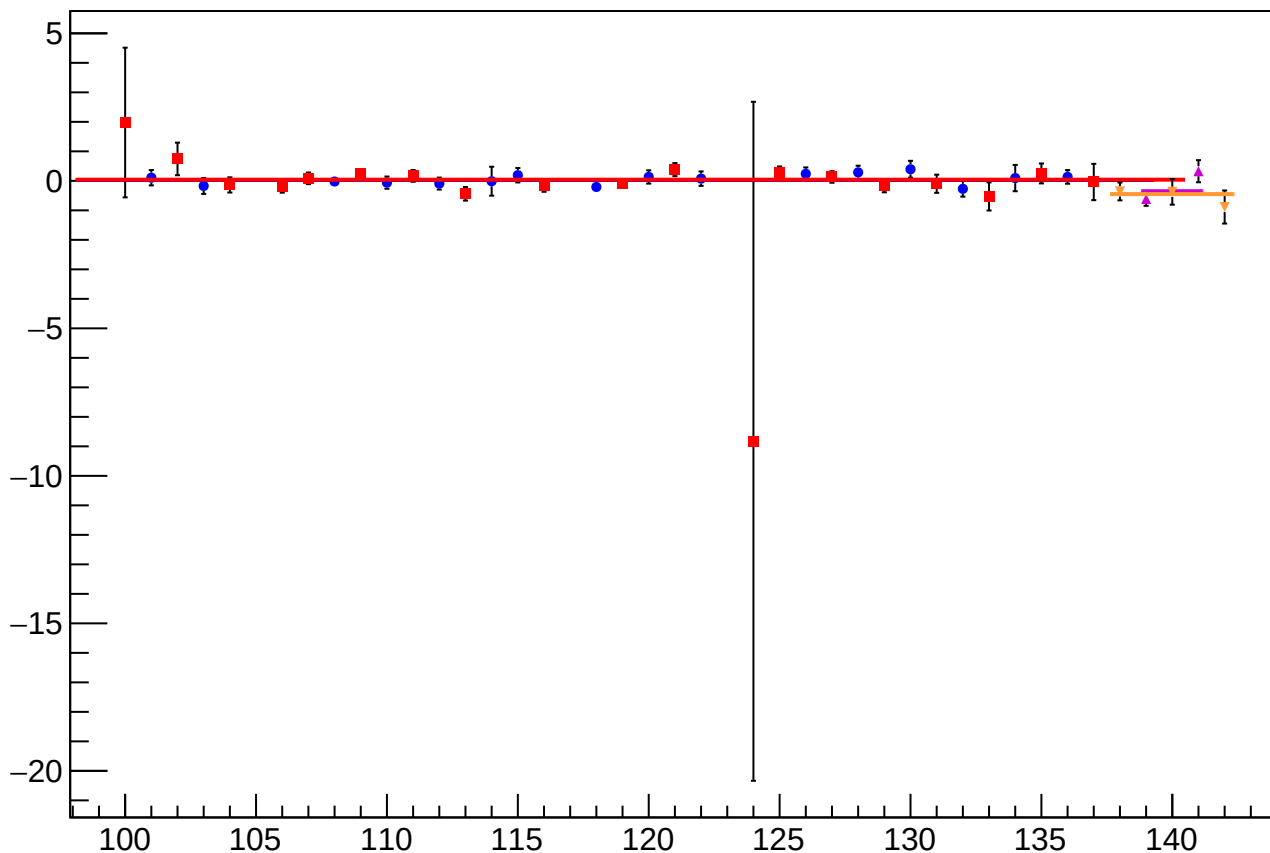
Left In: 0.000+/-0.000 χ^2/NDF :146700.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2087490.4/18

All: 0.000+/-0.000 χ^2/NDF : 4239383.6/39

- sign 0.000+/-0.000 χ^2/NDF : 1930525.7/20

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.449 ± 0.227 χ^2/NDF : 0.7/2

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

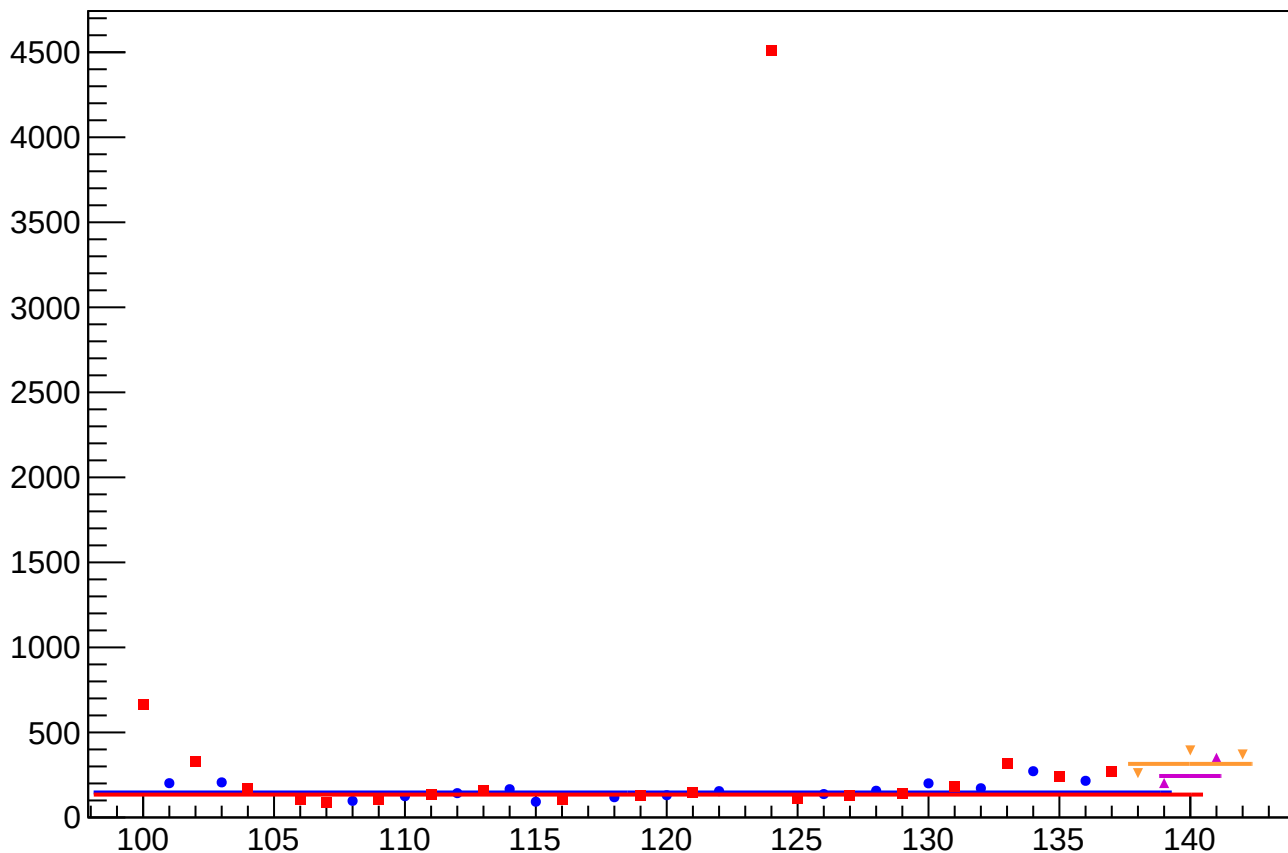
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign -0.001 ± 0.056 χ^2/NDF : 14.3/18

All: 0.005 ± 0.038 χ^2/NDF : 42.5/39

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

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: 315.050+/-0.160 χ^2/NDF :151154.2/2

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

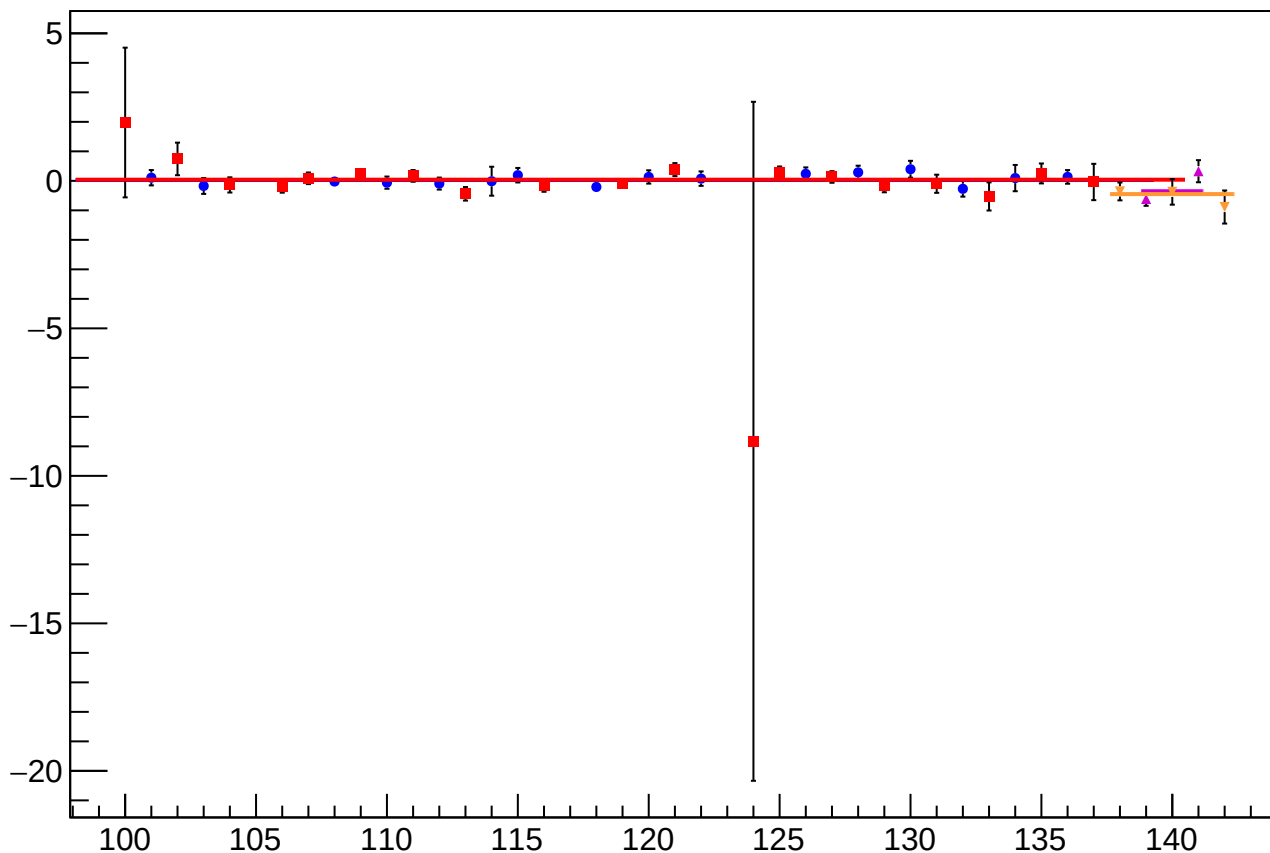
Left In: 243.847+/-0.140 χ^2/NDF :226761.4/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182213.6/18

All: 149.250+/-0.027 χ^2/NDF : 4657162.7/39

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

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: -0.449 ± 0.227 χ^2/NDF : 0.7/2

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

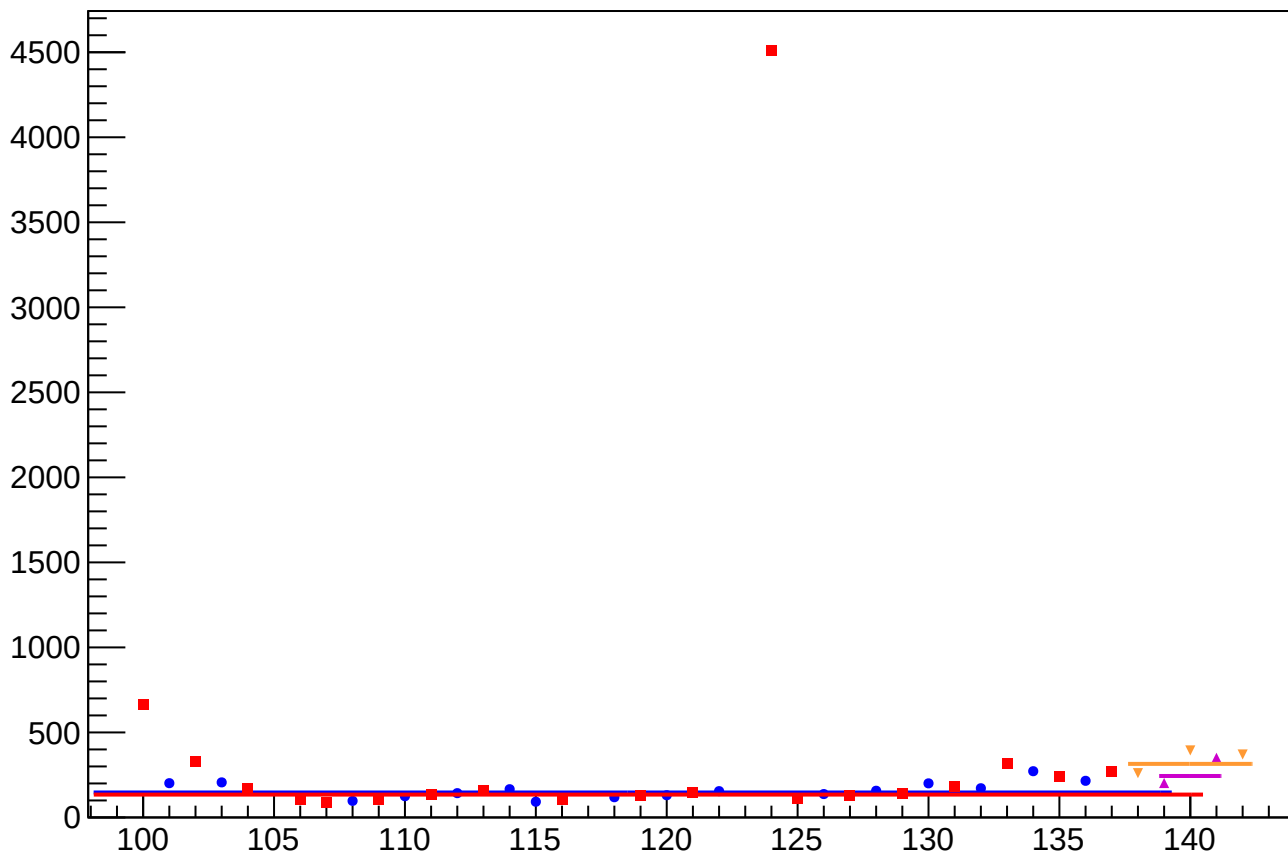
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign -0.001 ± 0.056 χ^2/NDF : 14.3/18

All: 0.005 ± 0.038 χ^2/NDF : 42.5/39

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

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: 315.050 $\pm$ 0.160 χ^2 /NDF:151154.2/2

Right Out: 134.505 $\pm$ 0.039 χ^2 /NDF: 1606383.2/18

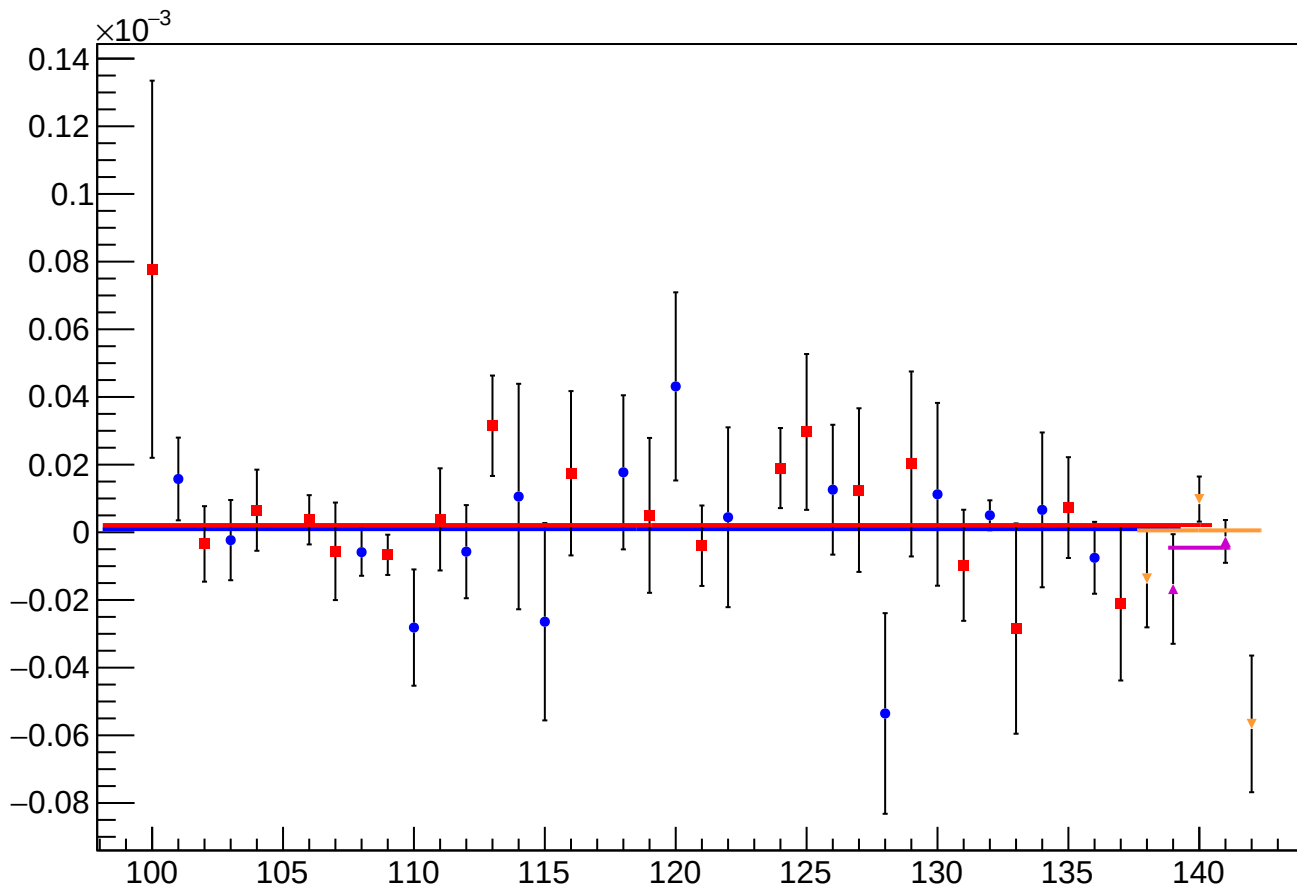
Left In: 243.847 $\pm$ 0.140 χ^2 /NDF:226761.4/1

+ sign 157.046 $\pm$ 0.040 χ^2 /NDF: 2182213.6/18

All: 149.250 $\pm$ 0.027 χ^2 /NDF: 4657162.7/39

- sign 142.303 $\pm$ 0.037 χ^2 /NDF: 2401441.7/20

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:10.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

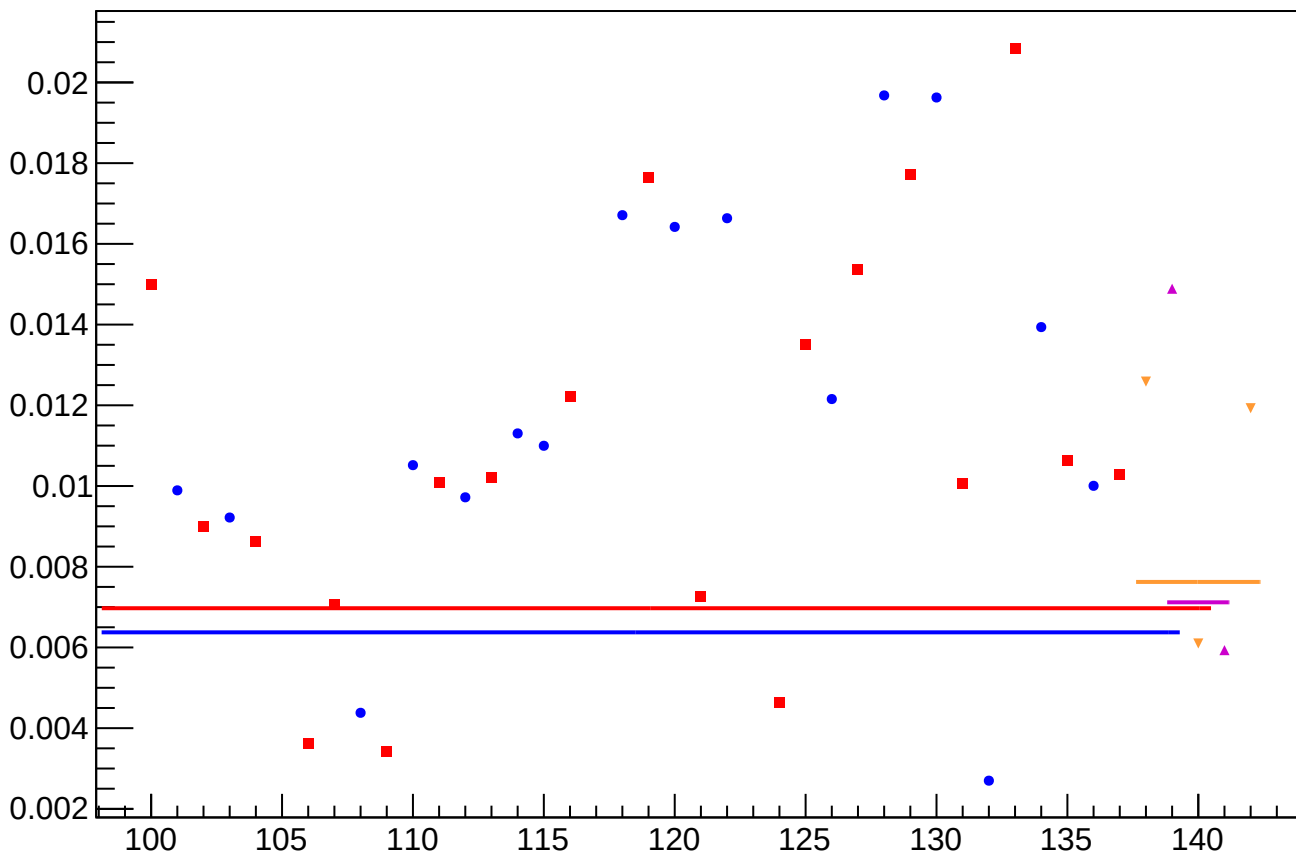
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.7/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.5/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/20

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: 0.008+/-0.000 χ^2/NDF : 431485.1/2

Right Out: 0.007+/-0.000 χ^2/NDF : 3409939.3/18

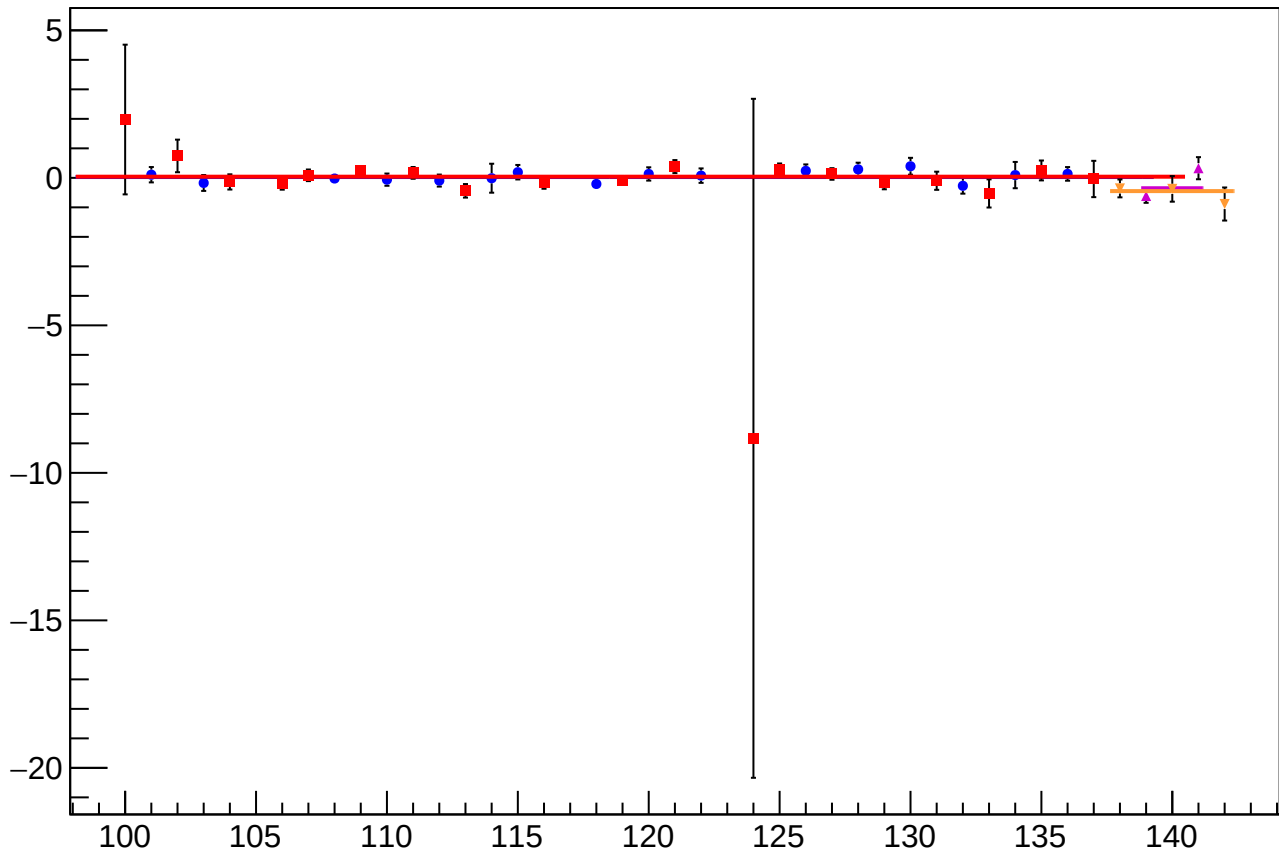
Left In: 0.007+/-0.000 χ^2/NDF : 530472.1/1

+ sign 0.007+/-0.000 χ^2/NDF : 5145240.2/18

All: 0.007+/-0.000 χ^2/NDF : 9106594.6/39

- sign 0.007+/-0.000 χ^2/NDF : 3941392.2/20

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.449 ± 0.227 χ^2/NDF : 0.7/2

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

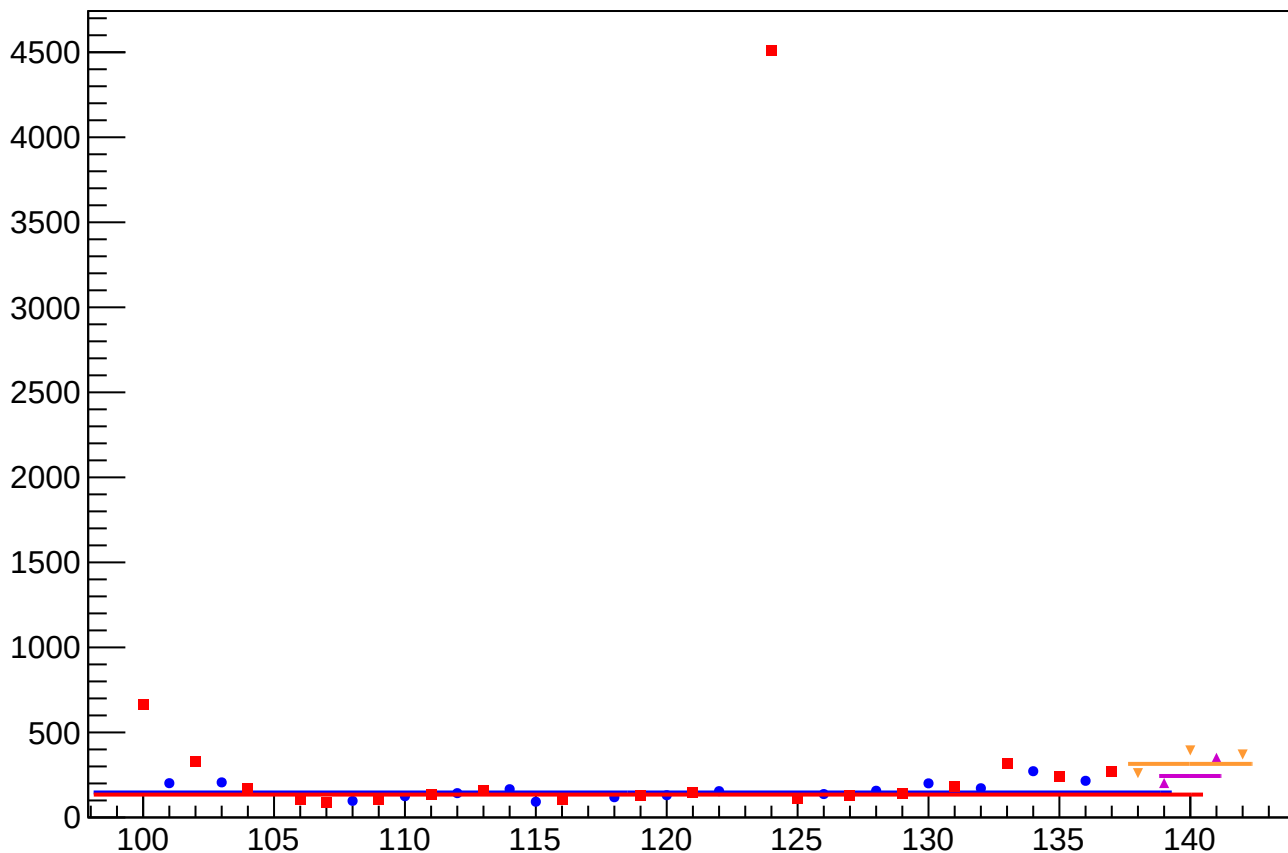
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign -0.001 ± 0.056 χ^2/NDF : 14.3/18

All: 0.005 ± 0.038 χ^2/NDF : 42.5/39

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

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: 315.054+/-0.160 χ^2/NDF : 151150.3/2

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

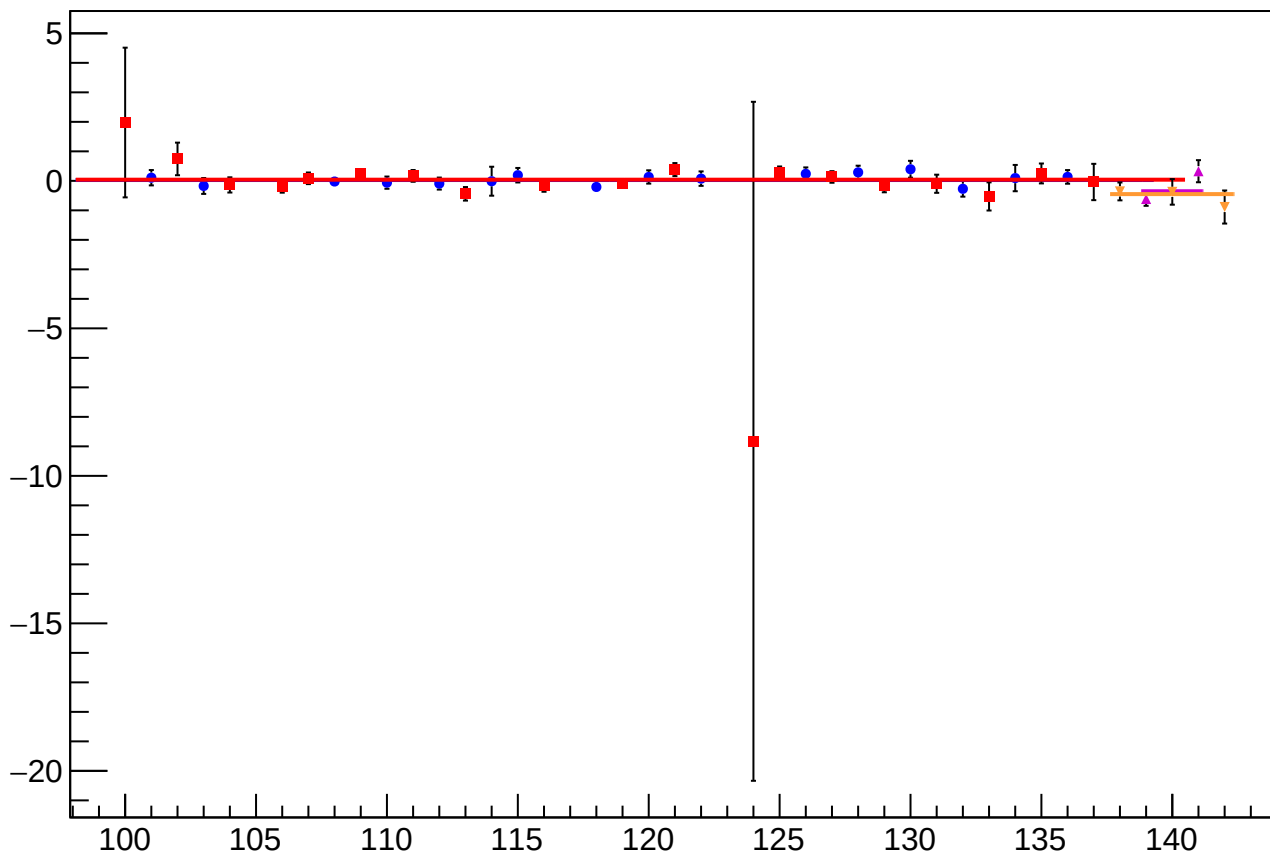
Left In: 243.852+/-0.140 χ^2/NDF : 226749.0/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182177.4/18

All: 149.250+/-0.027 χ^2/NDF : 4657041.9/39

- sign 142.304+/-0.037 χ^2/NDF : 2401371.6/20

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: -0.449 ± 0.227 χ^2/NDF : 0.7/2

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

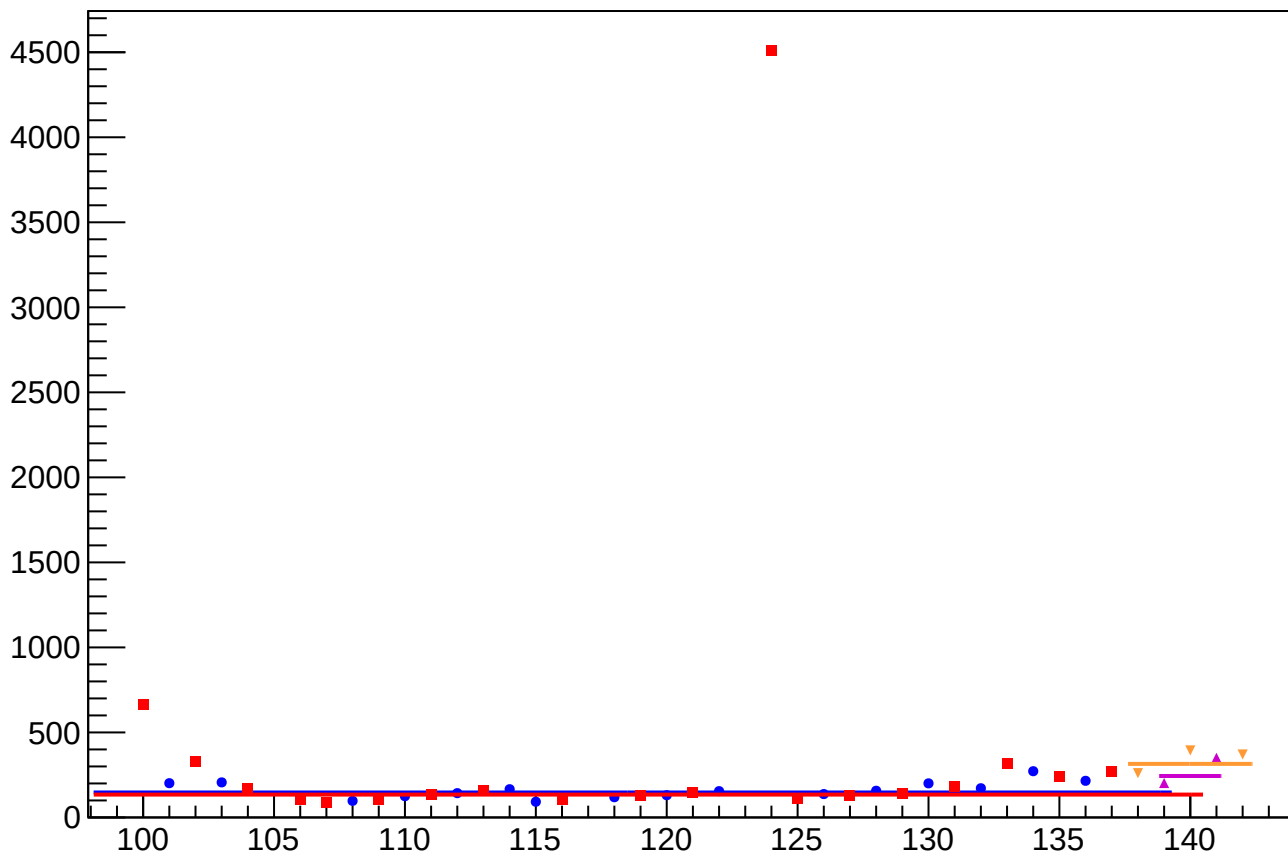
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign -0.001 ± 0.056 χ^2/NDF : 14.3/18

All: 0.005 ± 0.038 χ^2/NDF : 42.5/39

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

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: 315.054+/-0.160 χ^2/NDF :151150.3/2

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

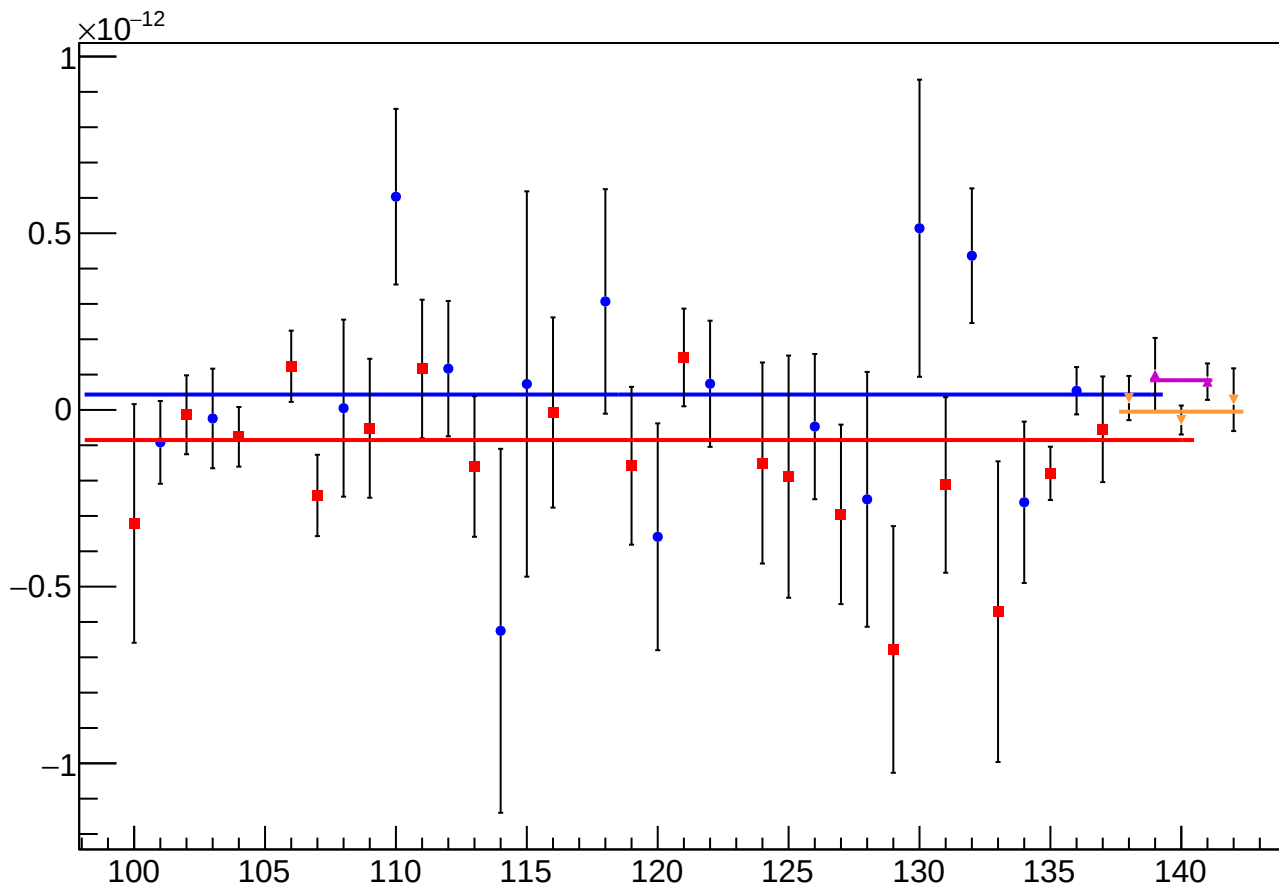
Left In: 243.852+/-0.140 χ^2/NDF :226749.0/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182177.4/18

All: 149.250+/-0.027 χ^2/NDF : 4657041.9/39

- sign 142.304+/-0.037 χ^2/NDF : 2401371.6/20

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 : 0.9/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.2/18

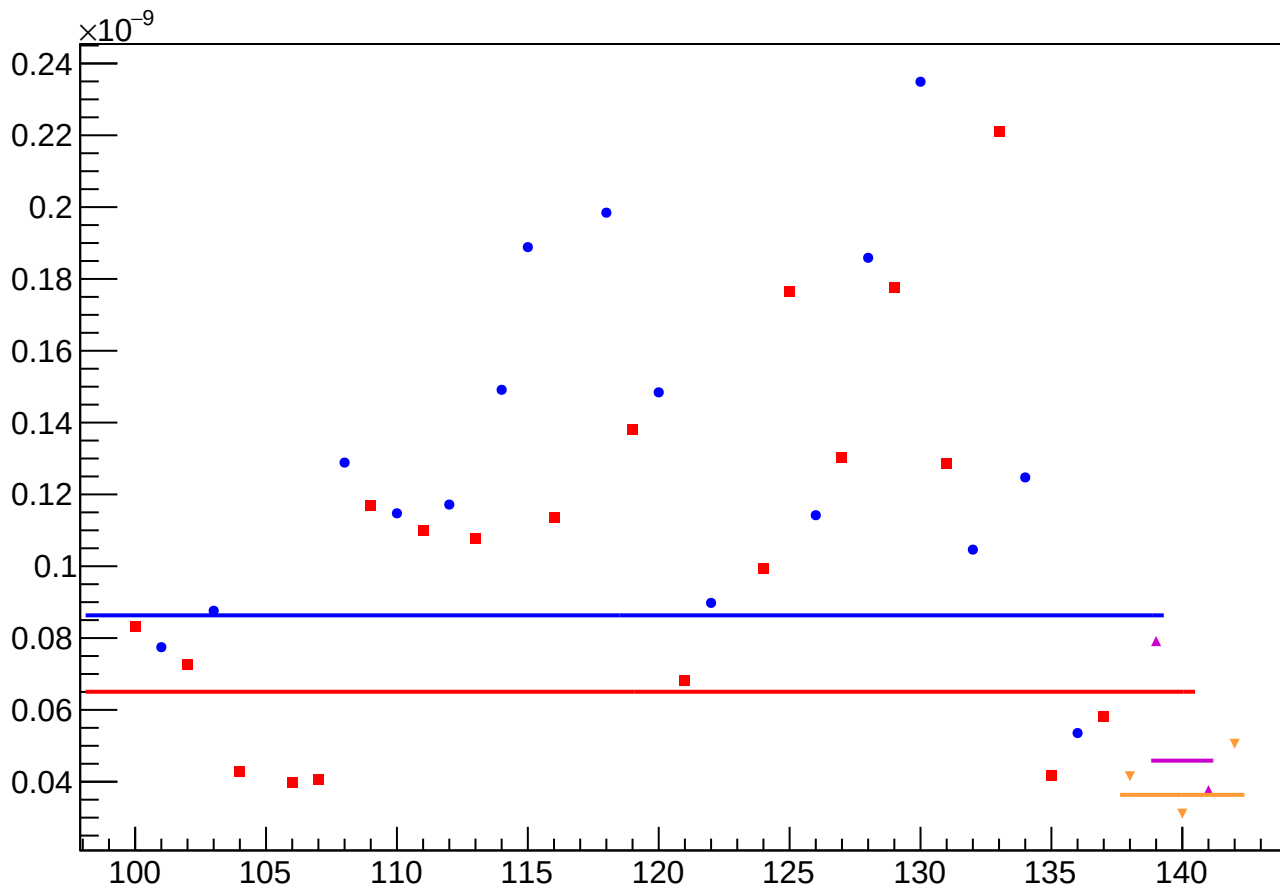
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 20.7/18

All: -0.000 ± 0.000 χ^2/NDF : 48.6/39

- sign -0.000 ± 0.000 χ^2/NDF : 26.9/20

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 : 97819.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2158861.4/18

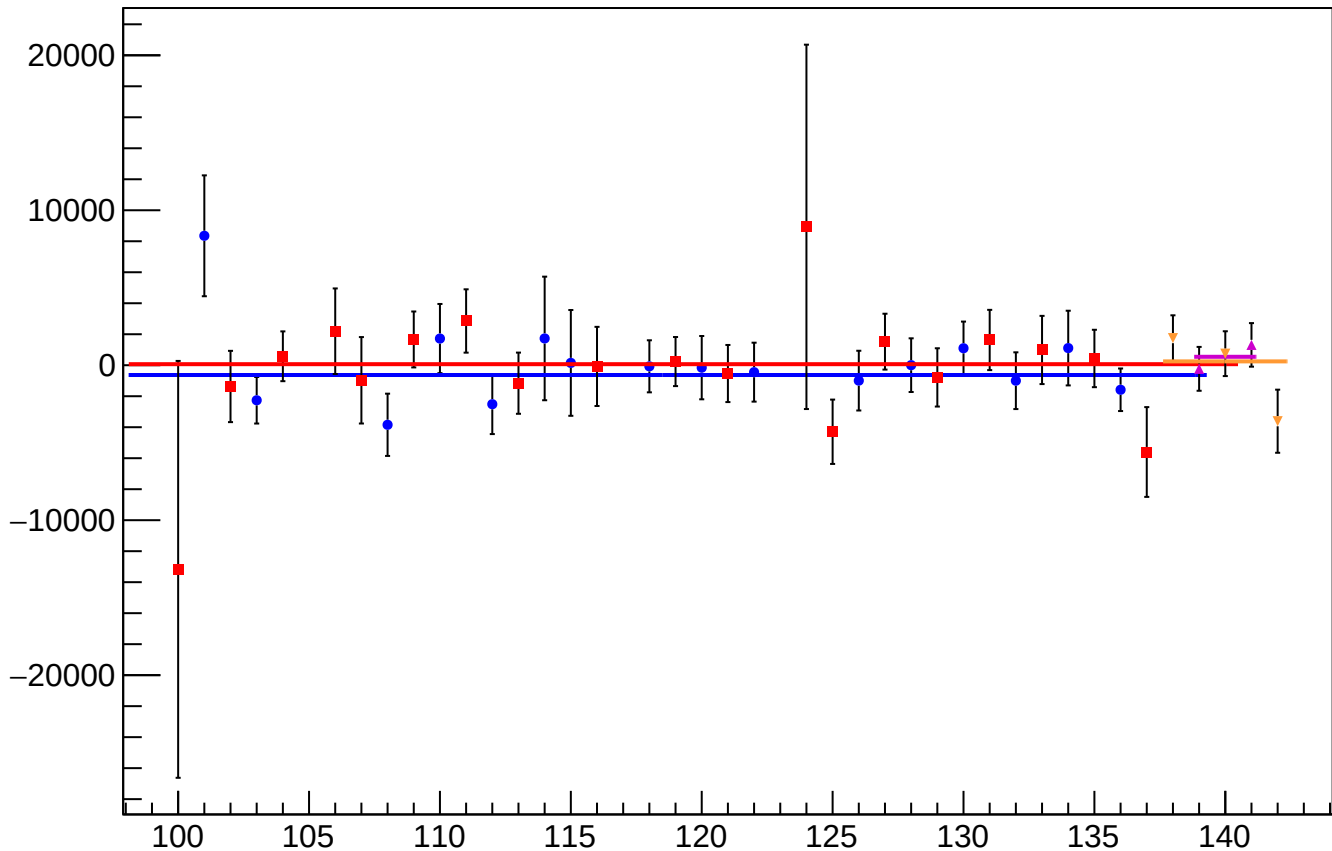
Left In: 0.000+/-0.000 χ^2/NDF : 256625.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3417839.4/18

All: 0.000+/-0.000 χ^2/NDF : 6078447.6/39

- sign 0.000+/-0.000 χ^2/NDF : 2638271.2/20

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF : 13.9/15

Left Out: 247.683+/-920.243 χ^2/NDF : 4.8/2

Right Out: 67.642+/-487.761 χ^2/NDF : 15.9/18

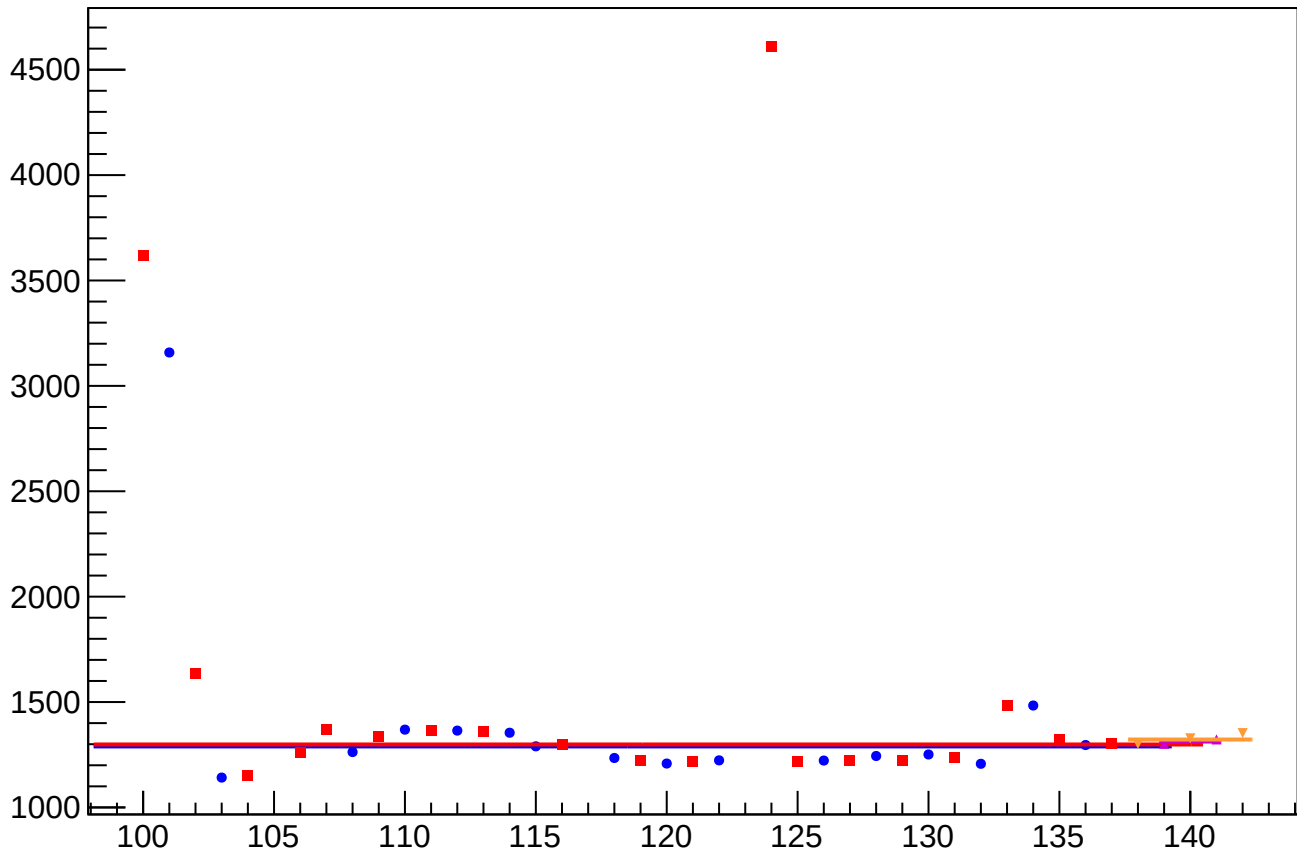
Left In: 544.636+/-997.379 χ^2/NDF : 0.6/1

+ sign -437.762+/-431.588 χ^2/NDF : 19.4/18

All: -143.550+/-307.479 χ^2/NDF : 37.0/39

- sign 159.704+/-438.170 χ^2/NDF : 16.7/20

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF : 514675.0/15

Left Out: 1322.159+/-0.651 χ^2/NDF : 909.7/2

Right Out: 1298.656+/-0.344 χ^2/NDF : 319374.9/18

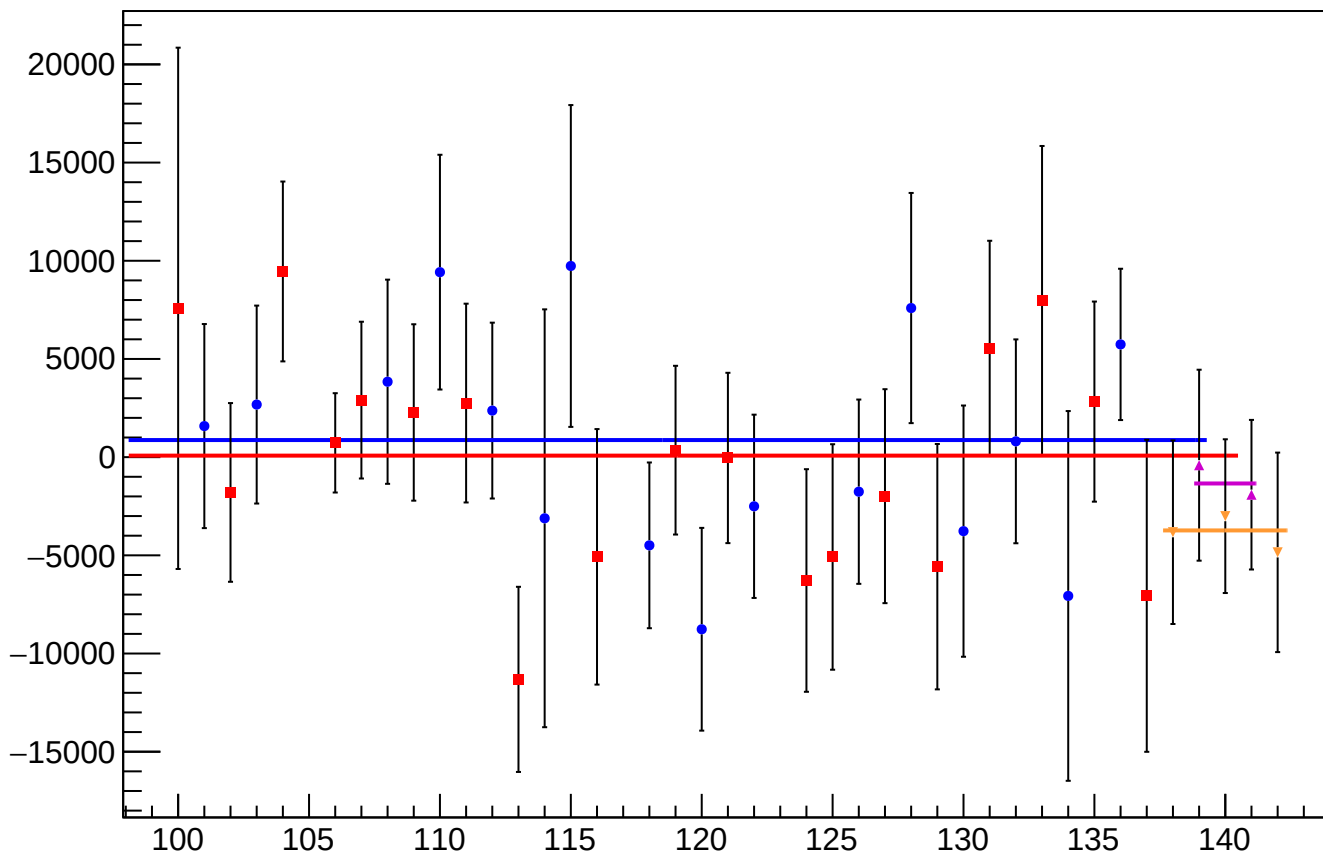
Left In: 1312.384+/-0.705 χ^2/NDF : 216.7/1

+ sign 1296.657+/-0.305 χ^2/NDF : 517553.8/18

All: 1298.945+/-0.217 χ^2/NDF : 837565.4/39

- sign 1301.294+/-0.309 χ^2/NDF : 319897.7/20

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug



Right In: 870.295 ± 1325.278 χ^2/NDF : 14.0/15

Left Out: -3731.672 ± 2583.711 χ^2/NDF : 0.1/2

Right Out: 77.323 ± 1111.074 χ^2/NDF : 18.4/18

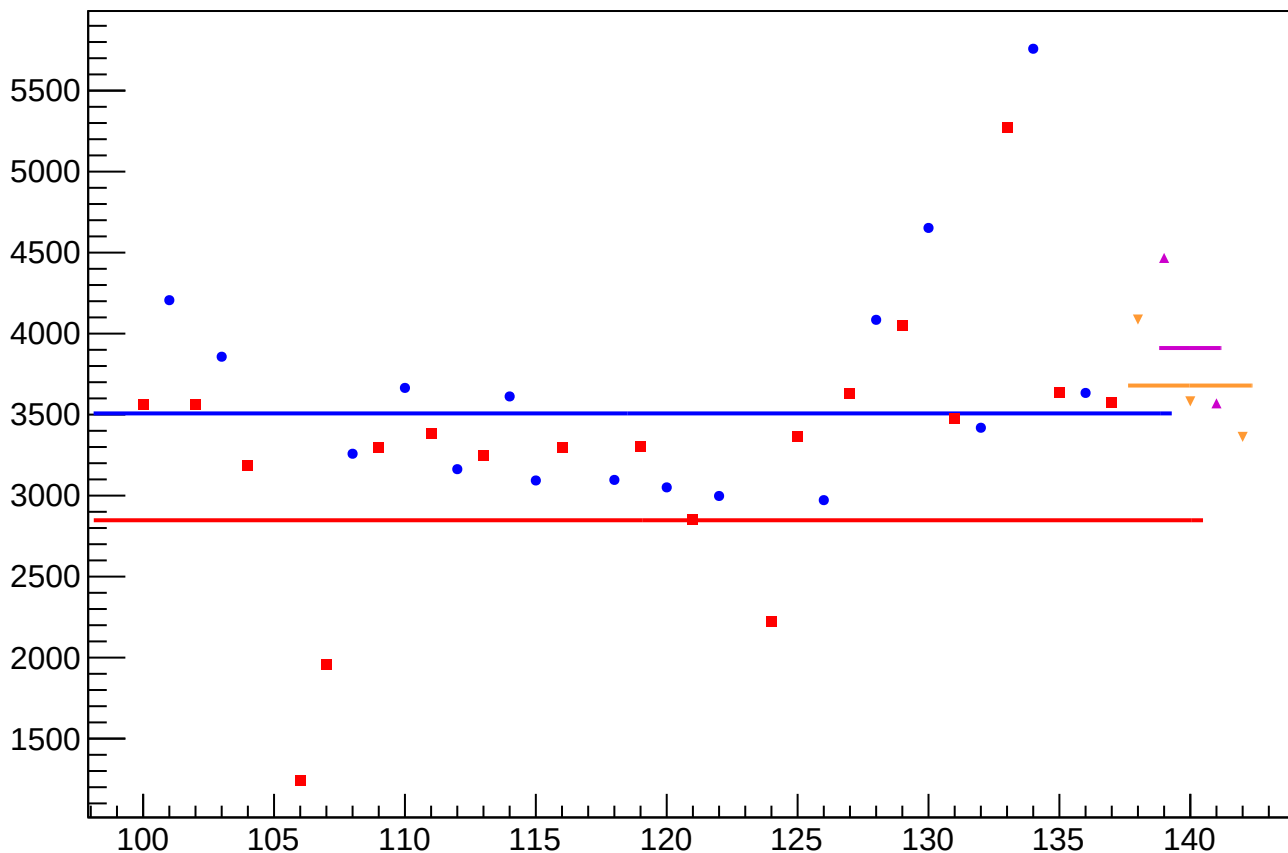
Left In: -1340.957 ± 2998.457 χ^2/NDF : 0.1/1

+ sign -88.291 ± 1179.200 χ^2/NDF : 16.6/18

All: -91.444 ± 780.765 χ^2/NDF : 35.3/39

- sign -93.905 ± 1041.848 χ^2/NDF : 18.6/20

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: 3679.410+/-1.827 χ^2/NDF : 24220.0/2

Right Out: 2847.833+/-0.786 χ^2/NDF : 1499373.6/18

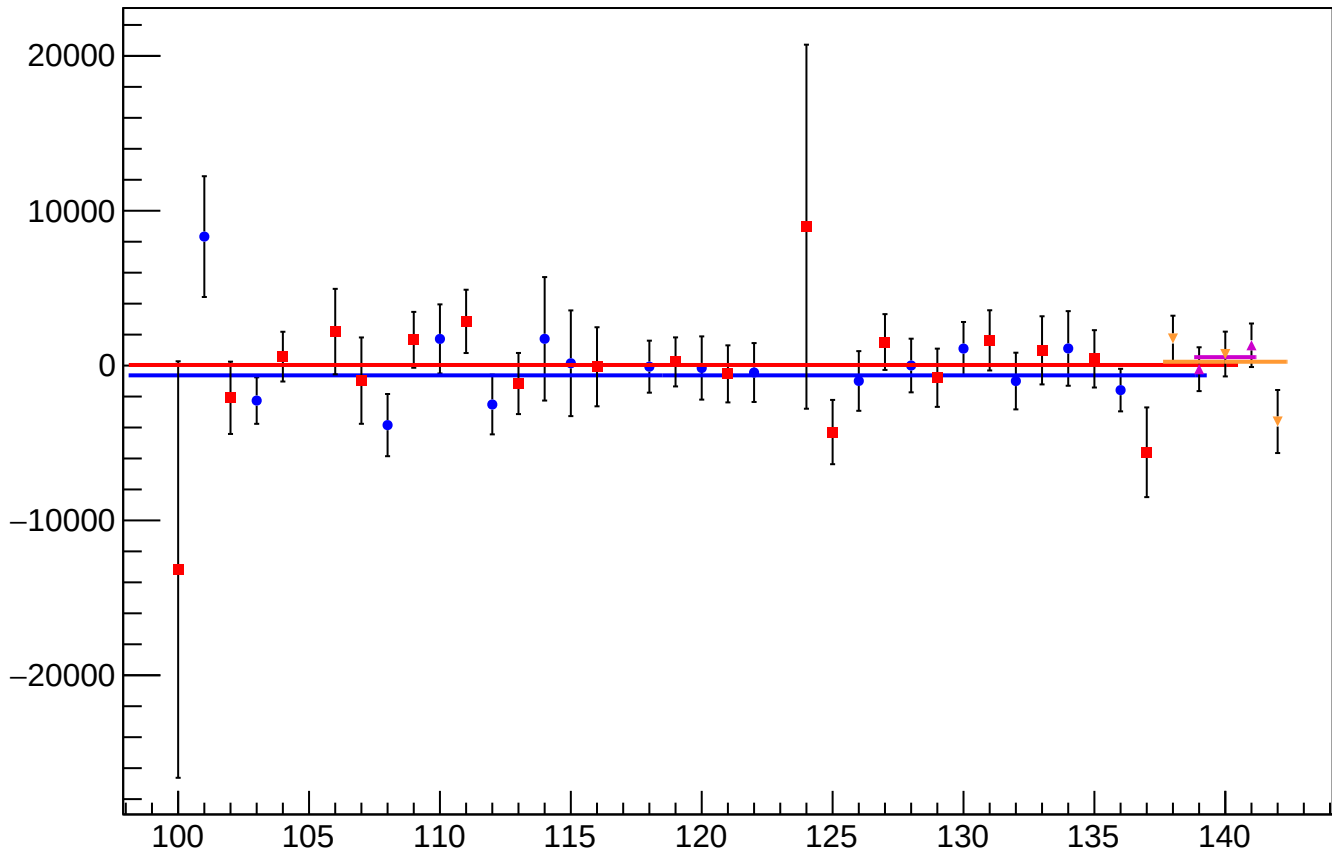
Left In: 3910.991+/-2.120 χ^2/NDF : 42242.3/1

+ sign 3543.227+/-0.834 χ^2/NDF : 385217.2/18

All: 3224.774+/-0.552 χ^2/NDF : 2407639.6/39

- sign 2976.187+/-0.737 χ^2/NDF : 1762697.4/20

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF : 13.9/15

Left Out: 247.692+/-920.243 χ^2/NDF : 4.8/2

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

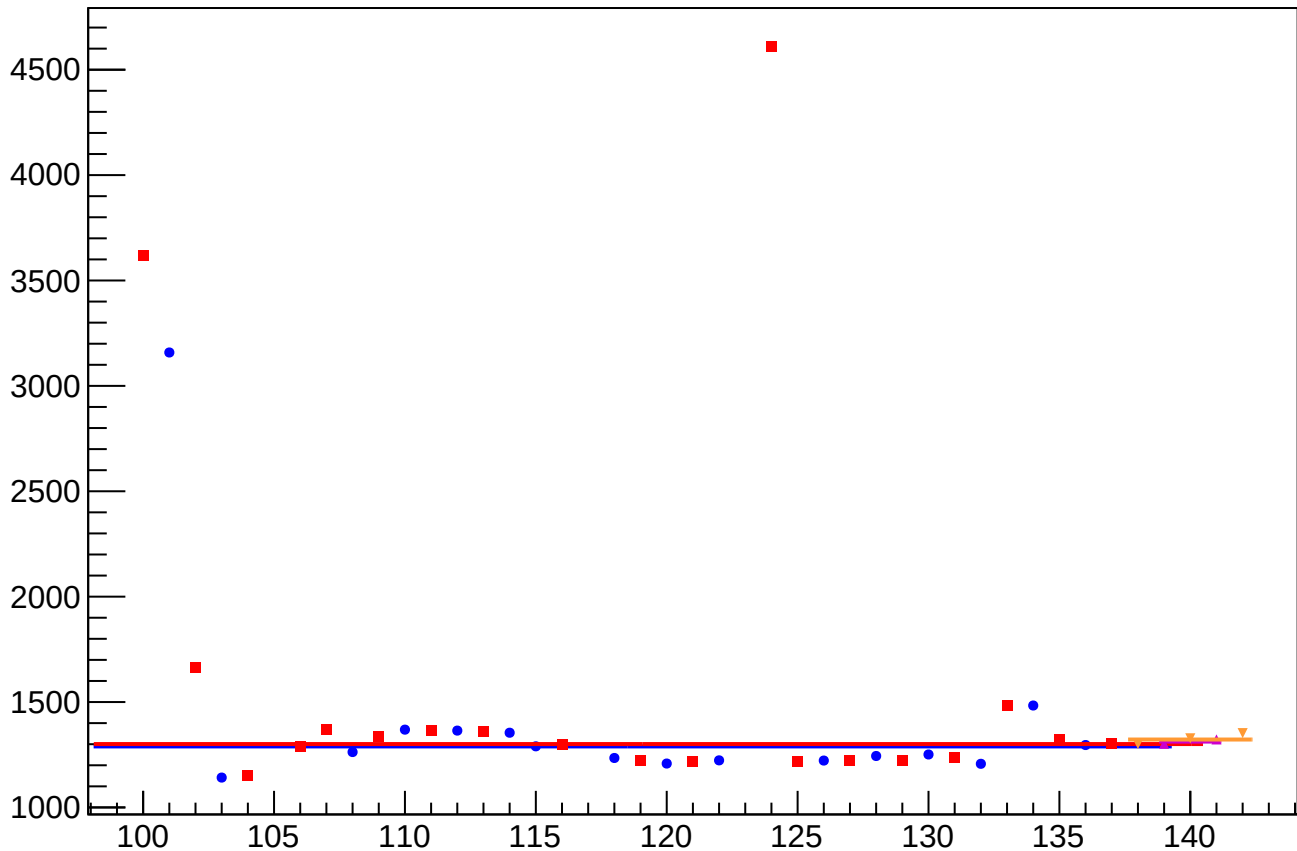
Left In: 544.413+/-997.379 χ^2/NDF : 0.6/1

+ sign -438.060+/-431.588 χ^2/NDF : 19.3/18

All: -155.357+/-307.560 χ^2/NDF : 37.3/39

- sign 136.347+/-438.404 χ^2/NDF : 17.1/20

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: 1322.159 $\pm$ 0.651 χ^2 /NDF: 909.7/2

+ sign 1296.657 $\pm$ 0.305 χ^2 /NDF: 517555.3/18

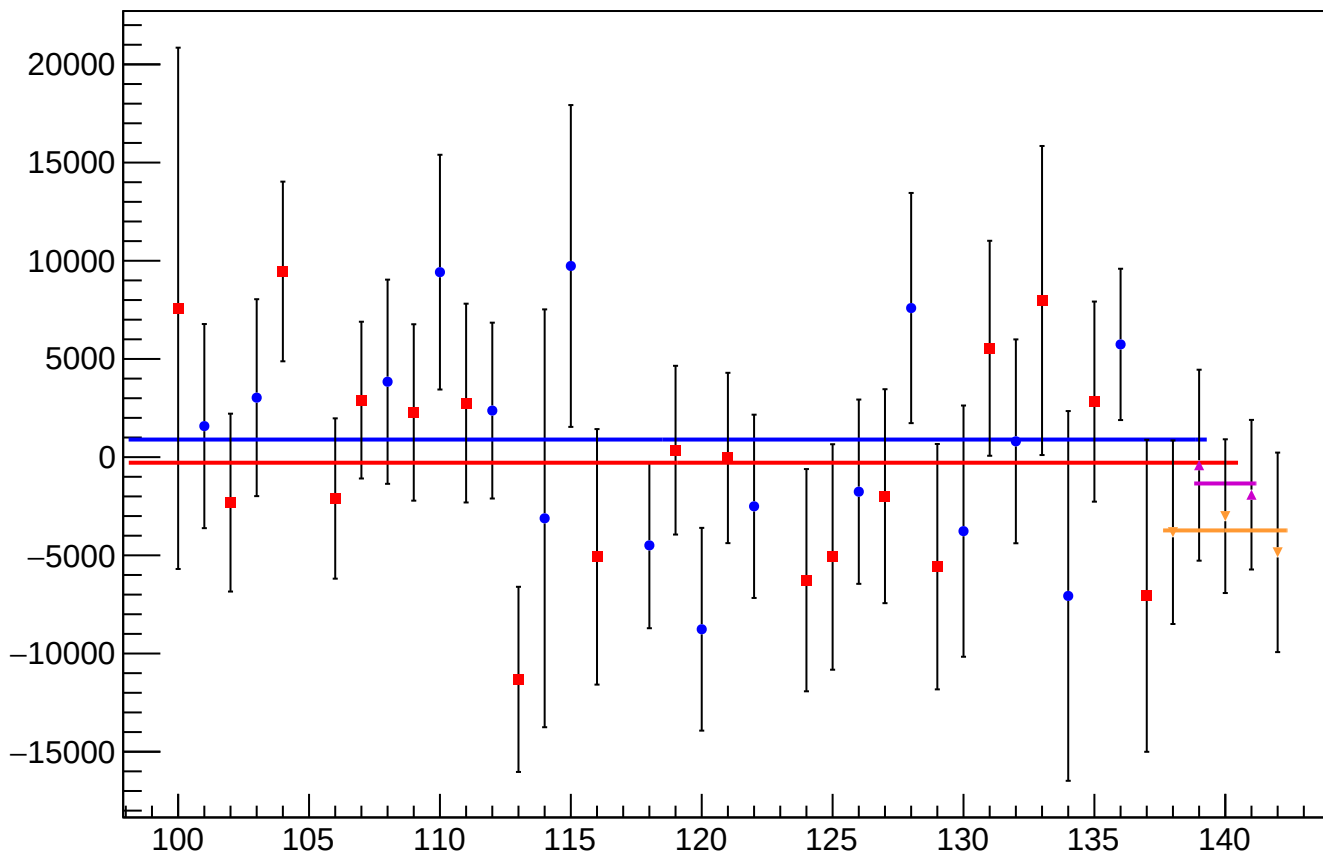
Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

All: 1299.753 $\pm$ 0.217 χ^2 /NDF: 844110.6/39

- sign 1302.938 $\pm$ 0.310 χ^2 /NDF: 326346.6/20

Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF: 216.7/1

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 χ^2/NDF : 14.1/15

Left Out: -3731.705 ± 2583.709 χ^2/NDF : 0.1/2

Right Out: -283.963 ± 1183.171 χ^2/NDF : 18.6/18

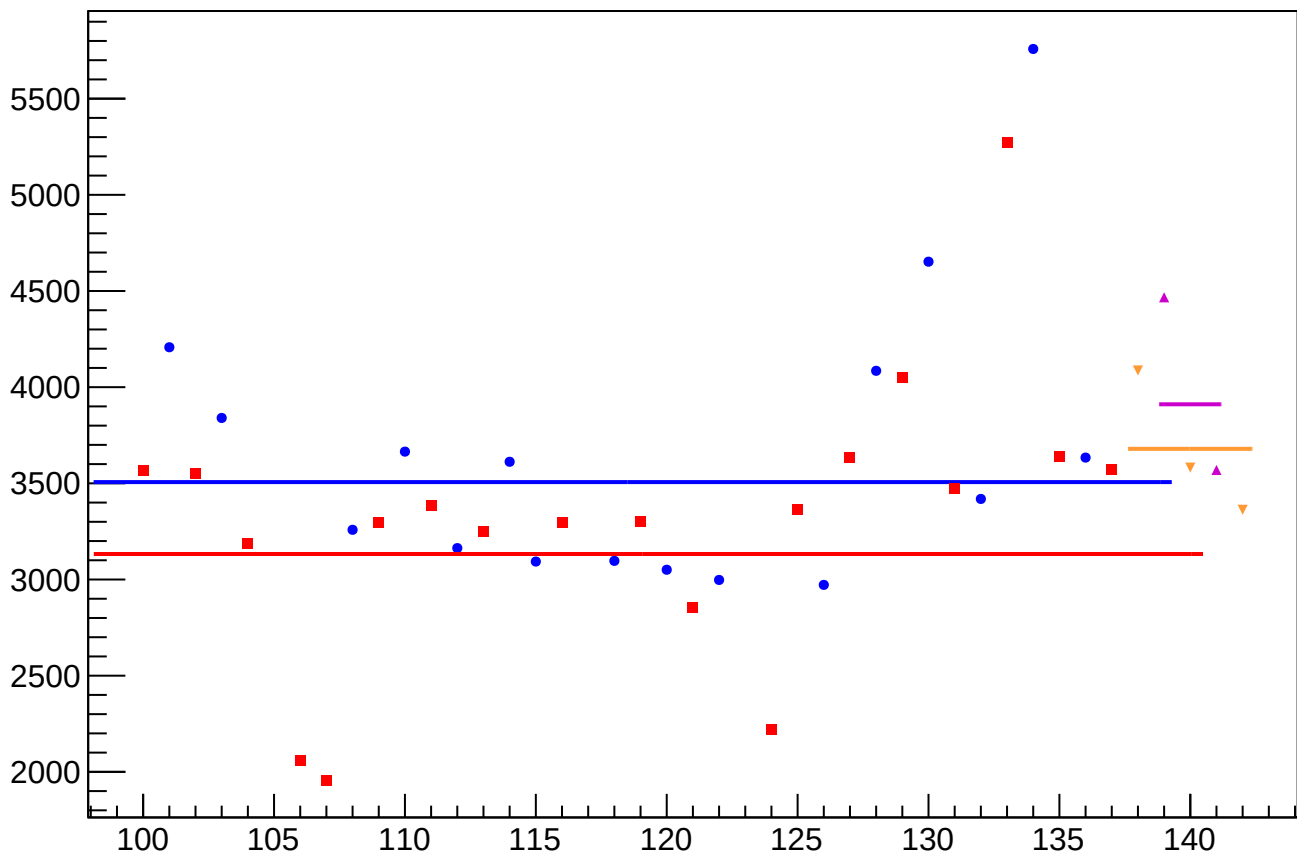
Left In: -1340.949 ± 2998.450 χ^2/NDF : 0.1/1

+ sign -67.411 ± 1178.879 χ^2/NDF : 16.7/18

All: -259.204 ± 804.488 χ^2/NDF : 35.5/39

- sign -426.367 ± 1100.587 χ^2/NDF : 18.8/20

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF : 353237.7/15

Left Out: 3679.407+/-1.827 χ^2/NDF : 24219.8/2

Right Out: 3132.586+/-0.837 χ^2/NDF : 649611.1/18

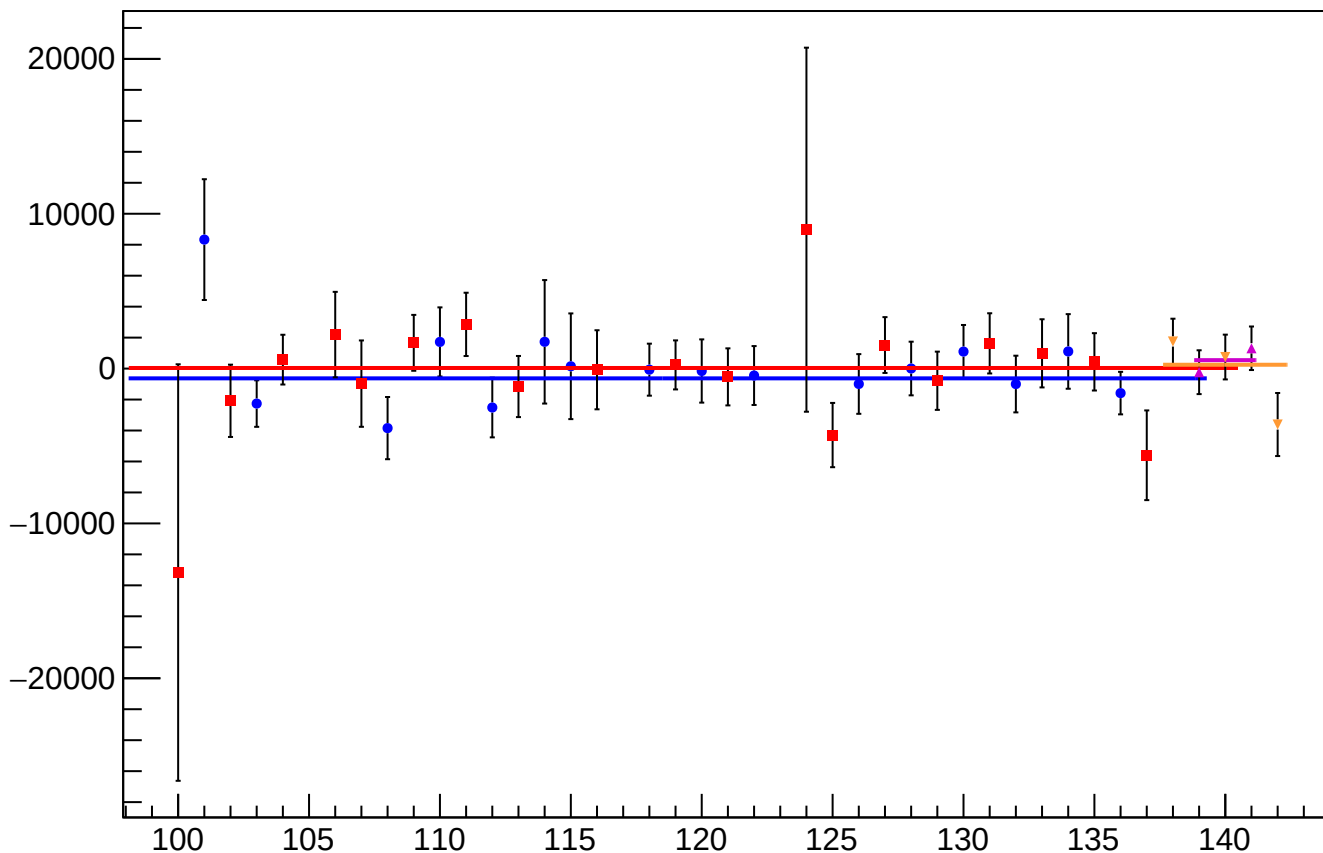
Left In: 3910.982+/-2.120 χ^2/NDF : 42241.5/1

+ sign 3542.484+/-0.834 χ^2/NDF : 384551.2/18

All: 3379.506+/-0.569 χ^2/NDF : 1264569.9/39

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF : 13.9/15

Left Out: 247.692+/-920.243 χ^2/NDF : 4.8/2

Right Out: 38.623+/-488.084 χ^2/NDF : 16.3/18

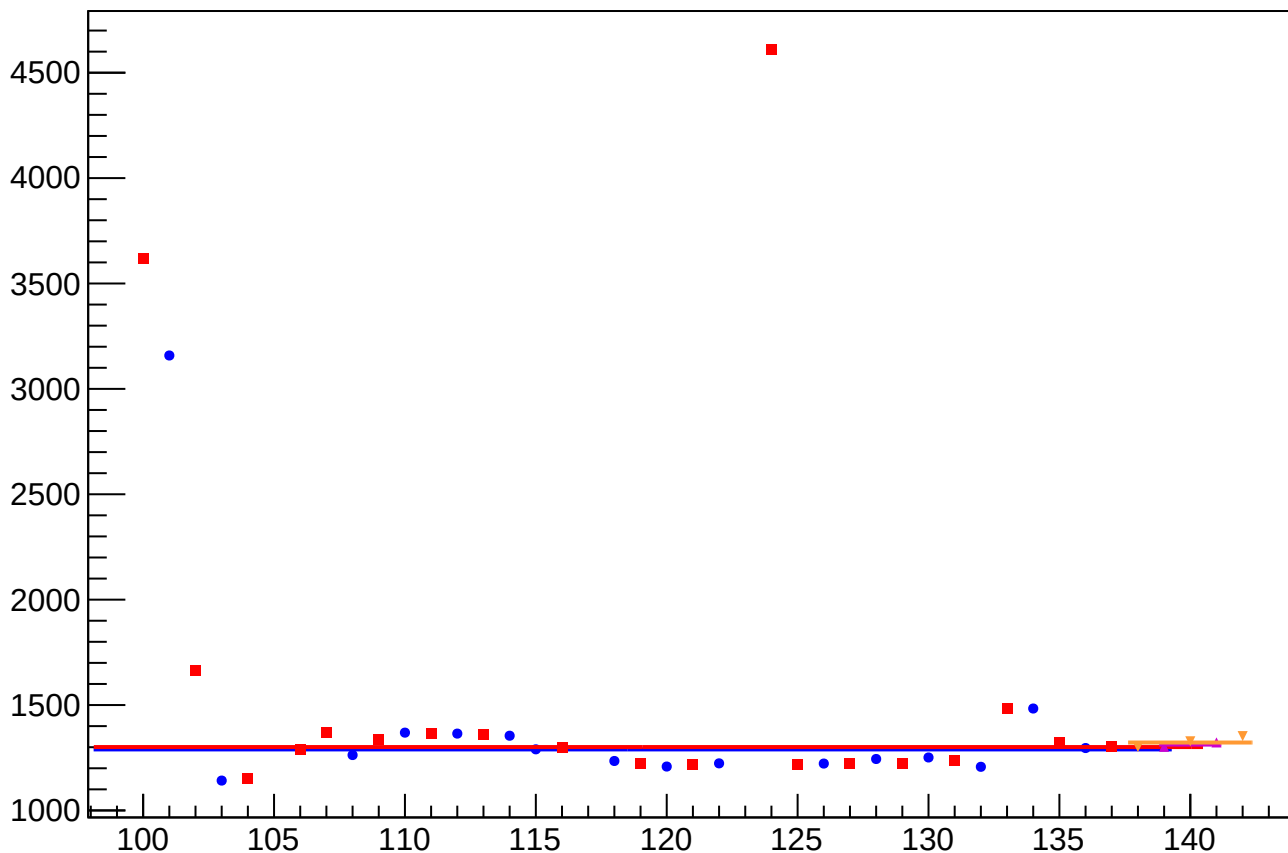
Left In: 544.413+/-997.379 χ^2/NDF : 0.6/1

+ sign -438.060+/-431.588 χ^2/NDF : 19.3/18

All: -155.357+/-307.560 χ^2/NDF : 37.3/39

- sign 136.347+/-438.404 χ^2/NDF : 17.1/20

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: 1322.159 $\pm$ 0.651 χ^2 /NDF: 909.7/2

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

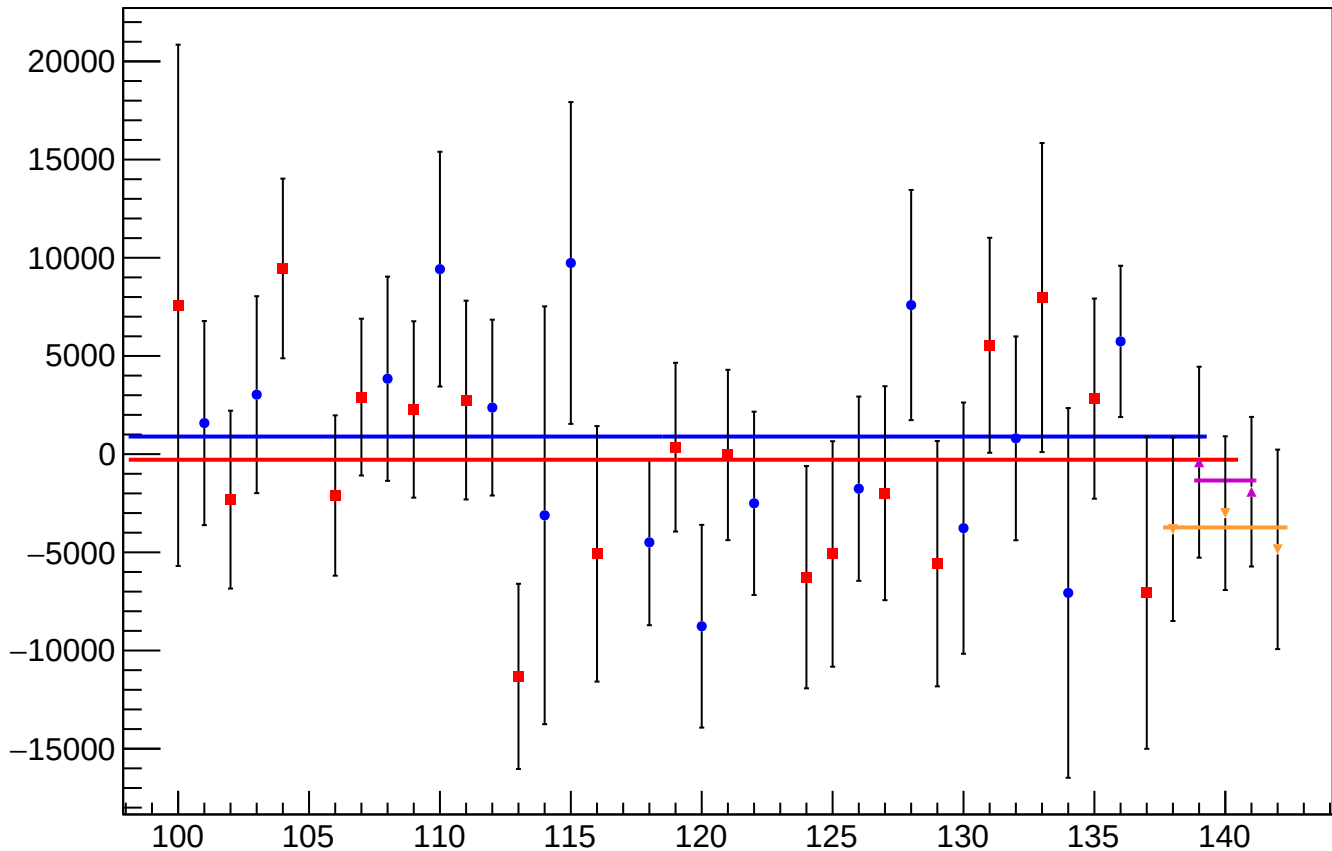
Left In: 1312.384 $\pm$ 0.705 χ^2 /NDF: 216.7/1

+ sign 1296.657 $\pm$ 0.305 χ^2 /NDF: 517555.3/18

All: 1299.753 $\pm$ 0.217 χ^2 /NDF: 844110.6/39

- sign 1302.938 $\pm$ 0.310 χ^2 /NDF: 326346.6/20

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: -3731.705 $\pm$ 2583.709 χ^2 /NDF:0.1/2

Right Out: -283.963 $\pm$ 1183.171 χ^2 /NDF: 18.6/18

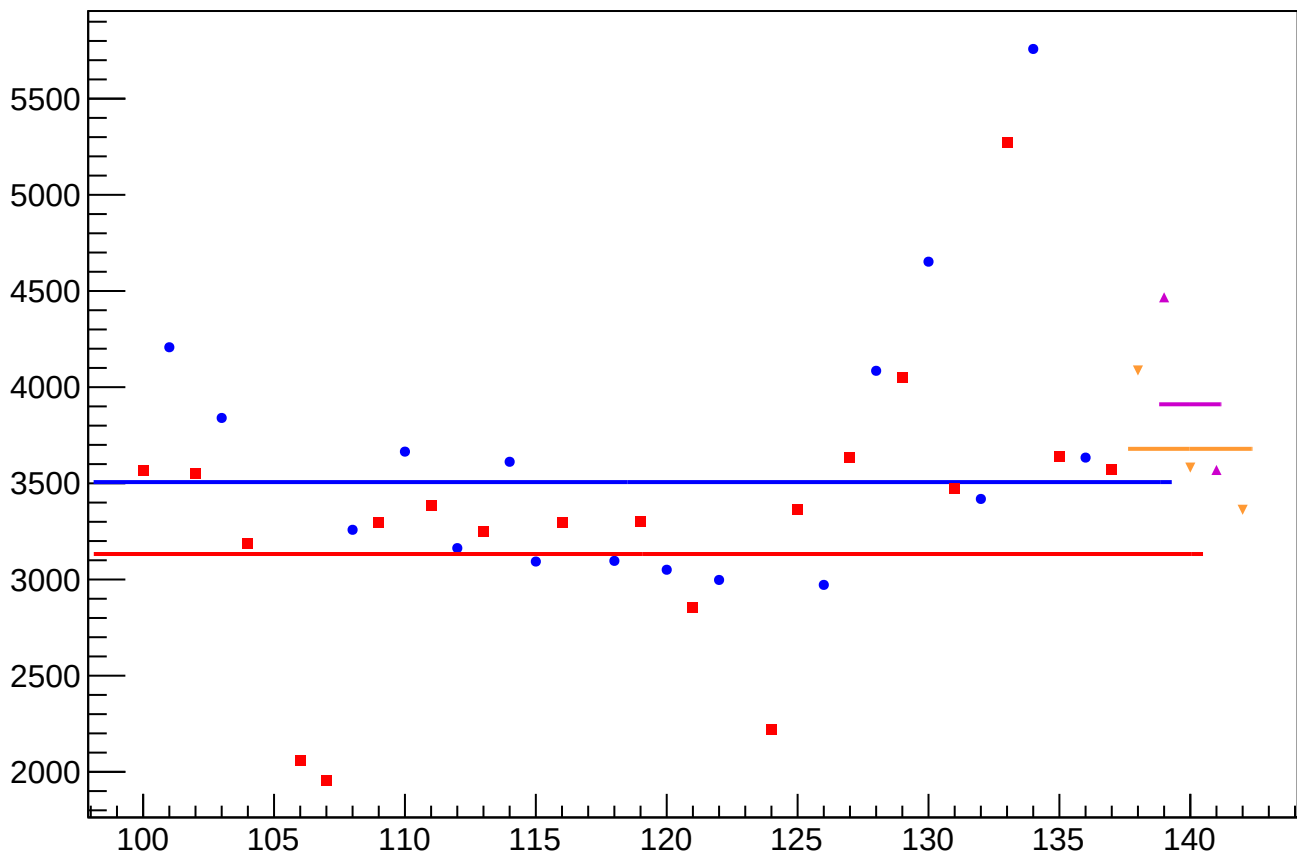
Left In: -1340.949 $\pm$ 2998.450 χ^2 /NDF:0.1/1

+ sign -67.411 $\pm$ 1178.879 χ^2 /NDF: 16.7/18

All: -259.204 $\pm$ 804.488 χ^2 /NDF: 35.5/39

- sign -426.367 $\pm$ 1100.587 χ^2 /NDF: 18.8/20

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: 3679.407+/-1.827 χ^2/NDF : 24219.8/2

Right Out: 3132.586+/-0.837 χ^2/NDF : 649611.1/18

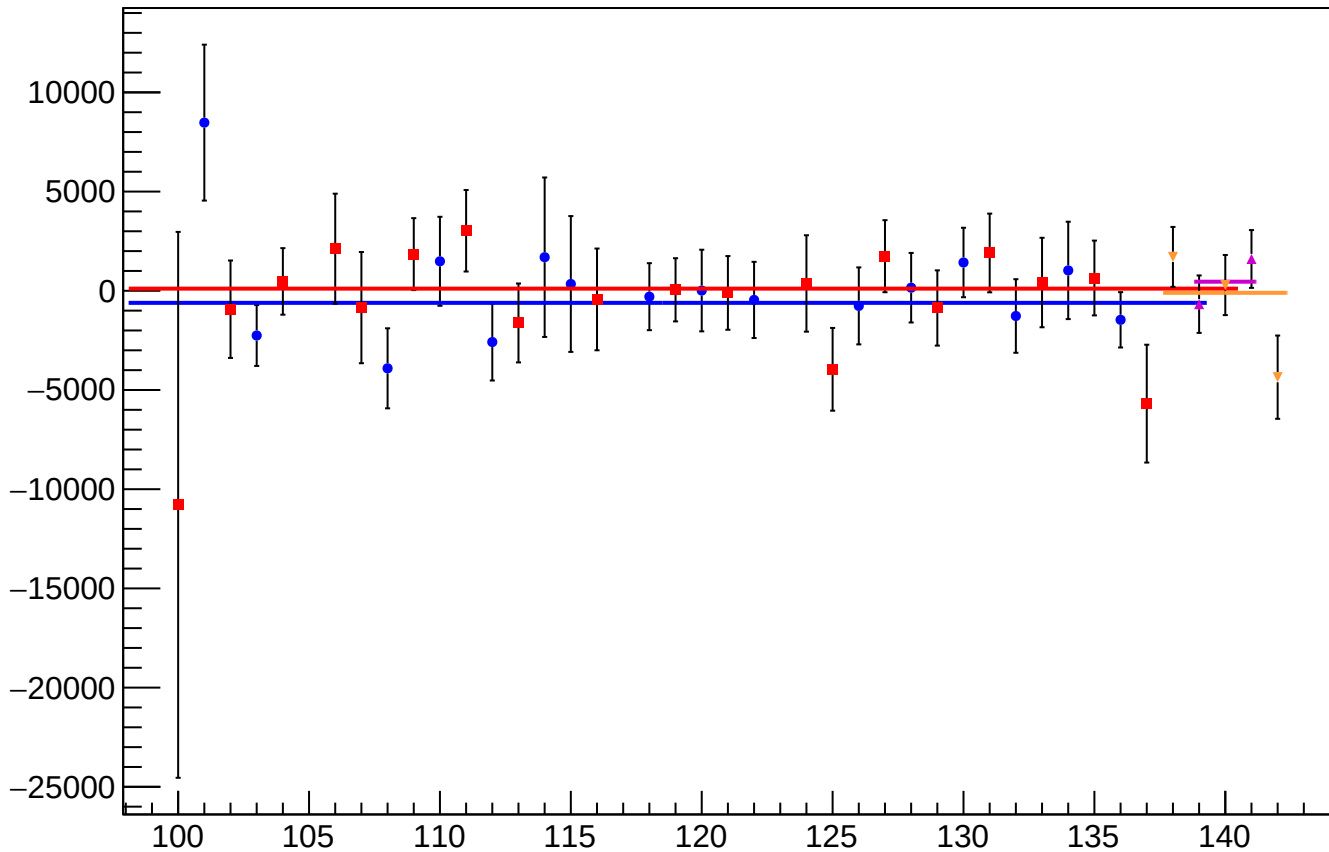
Left In: 3910.982+/-2.120 χ^2/NDF : 42241.5/1

+ sign 3542.484+/-0.834 χ^2/NDF : 384551.2/18

All: 3379.506+/-0.569 χ^2/NDF : 1264569.9/39

- sign 3237.457+/-0.778 χ^2/NDF : 808477.4/20

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831 ± 494.182 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -102.420 ± 952.859 $\chi^2/\text{NDF}: 5.6/2$

Right Out: 108.614 ± 485.552 $\chi^2/\text{NDF}: 14.9/18$

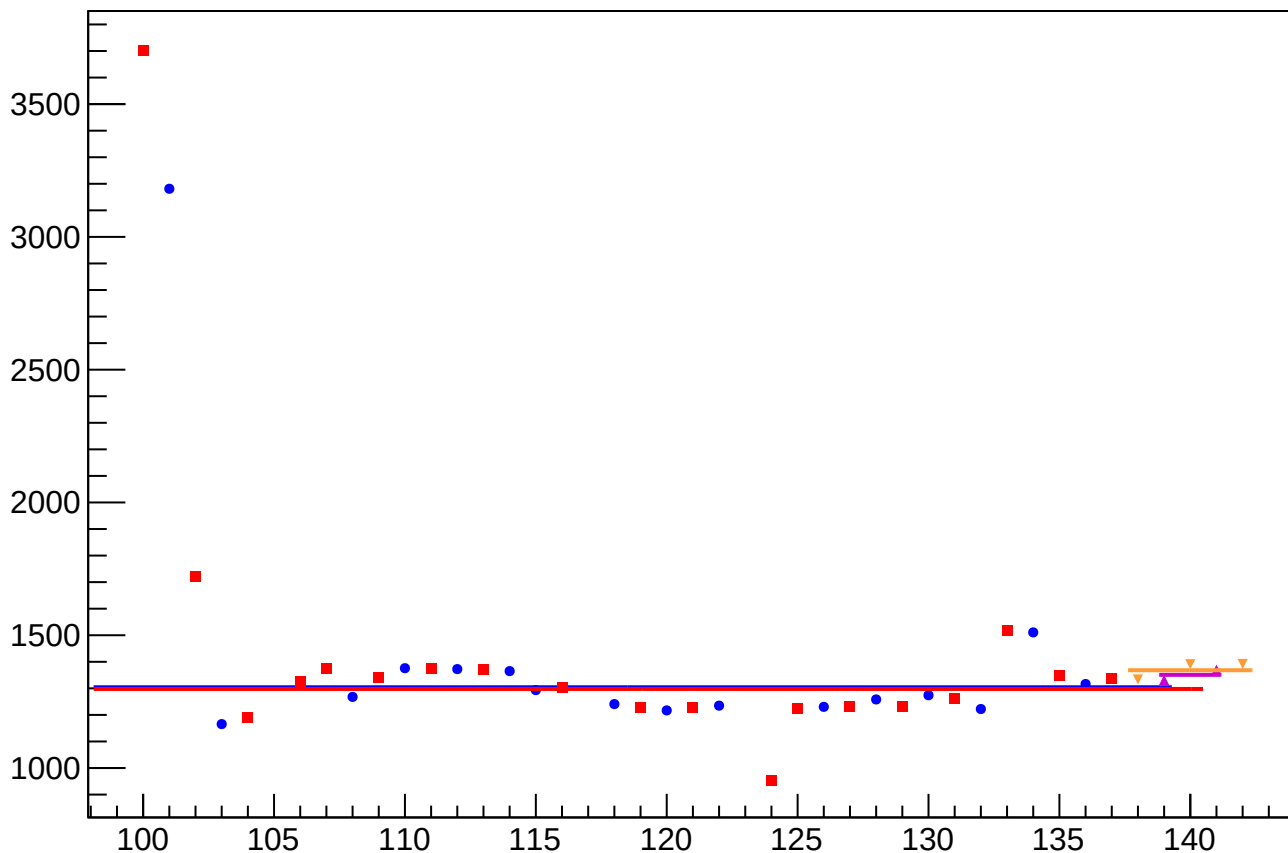
Left In: 458.128 ± 1026.913 $\chi^2/\text{NDF}: 1.2/1$

+ sign -500.702 ± 438.692 $\chi^2/\text{NDF}: 19.9/18$

All: -164.317 ± 310.296 $\chi^2/\text{NDF}: 37.3/39$

- sign 172.476 ± 438.958 $\chi^2/\text{NDF}: 16.2/20$

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: 1368.240 $\pm$ 0.674 χ^2 /NDF: 1763.2/2

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

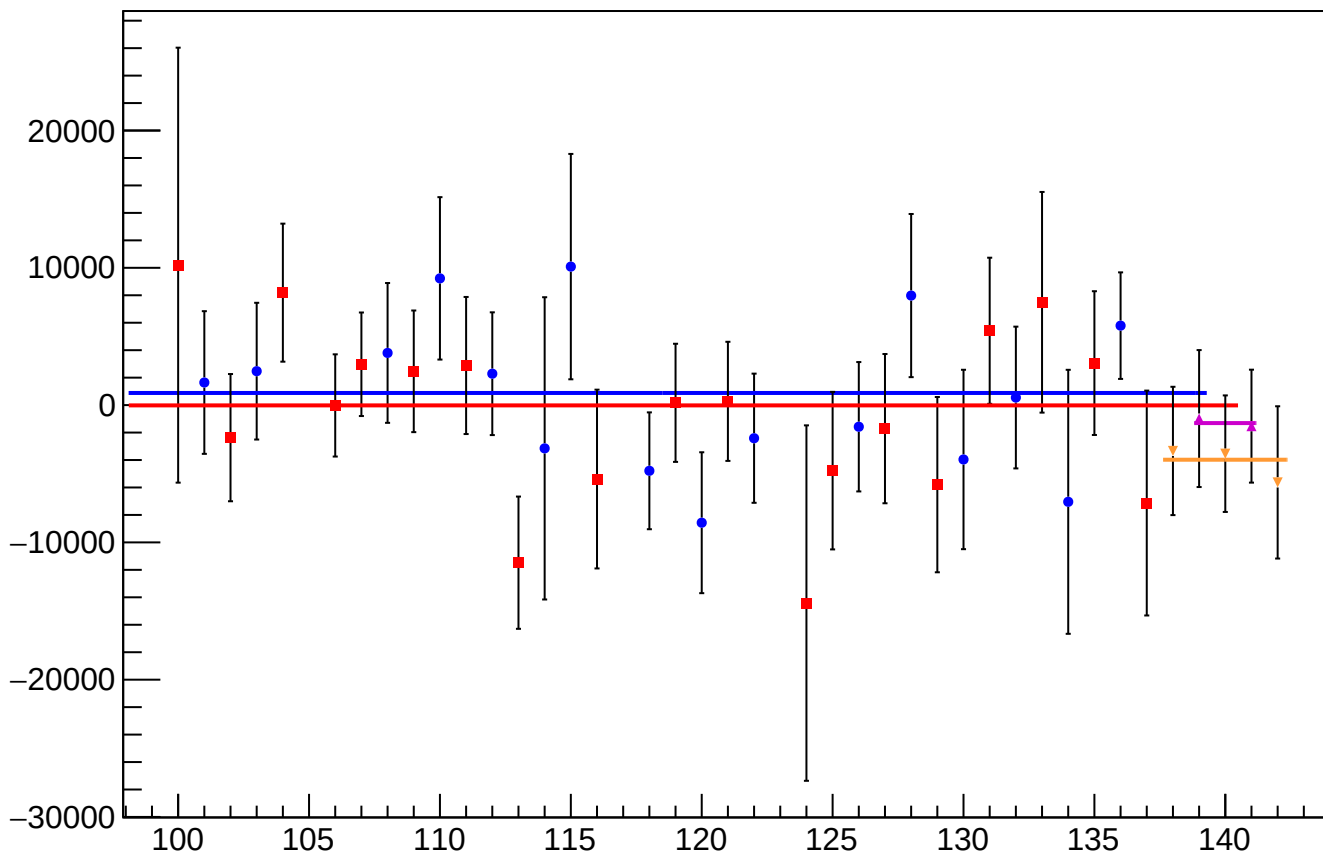
Left In: 1350.869 $\pm$ 0.726 χ^2 /NDF: 712.8/1

+ sign 1317.697 $\pm$ 0.310 χ^2 /NDF: 519493.4/18

All: 1312.589 $\pm$ 0.219 χ^2 /NDF: 738212.6/39

- sign 1307.482 $\pm$ 0.310 χ^2 /NDF: 218177.0/20

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: -3978.491 $\pm$ 2733.713 χ^2 /NDF: 0.1/2

Right Out: -20.681 $\pm$ 1200.015 χ^2 /NDF: 16.8/18

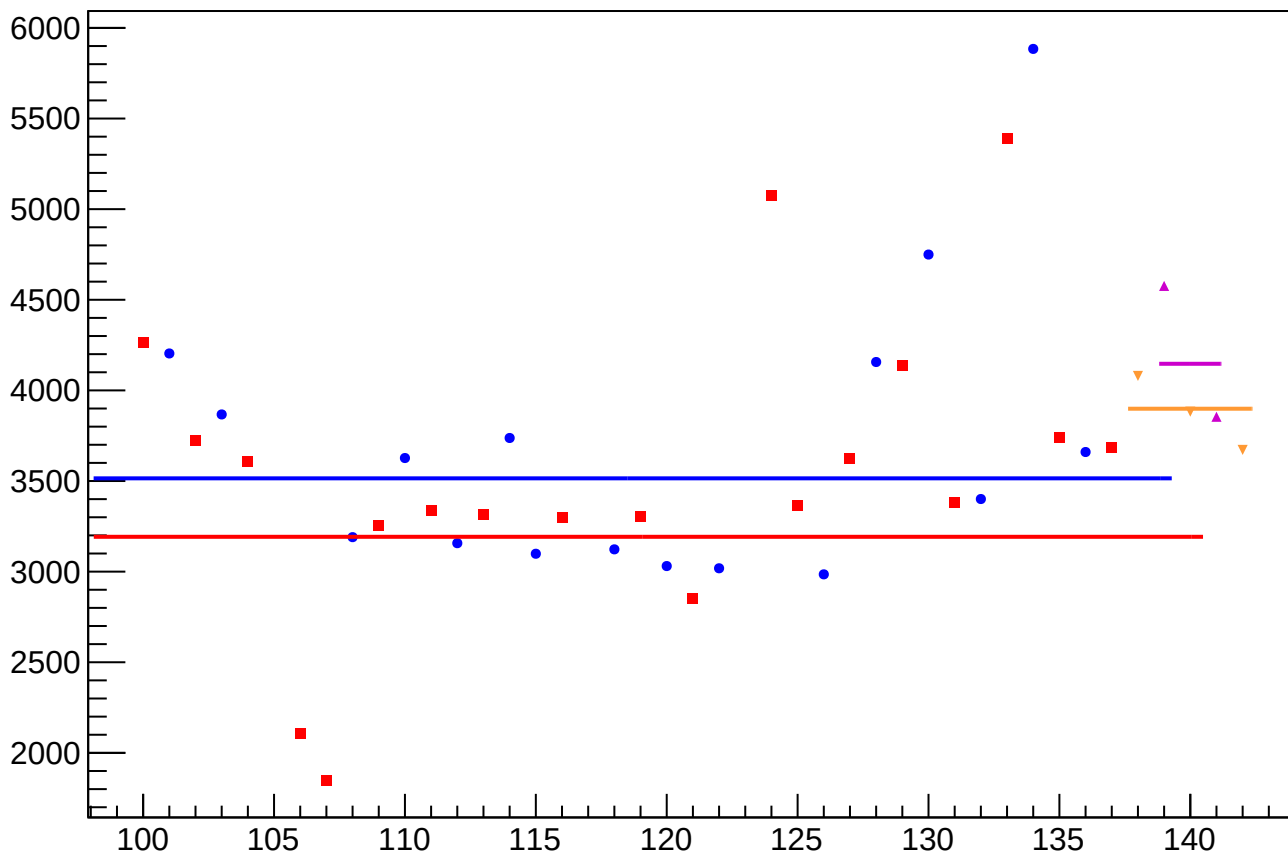
Left In: -1309.261 $\pm$ 3173.459 χ^2 /NDF: 0.0/1

+ sign -43.672 $\pm$ 1194.076 χ^2 /NDF: 16.8/18

All: -117.048 $\pm$ 817.840 χ^2 /NDF: 33.8/39

- sign -181.885 $\pm$ 1122.446 χ^2 /NDF: 17.0/20

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF : 375078.6/15

Left Out: 3898.865+/-1.933 χ^2/NDF : 6386.5/2

+ sign 3588.032+/-0.844 χ^2/NDF : 413418.5/18

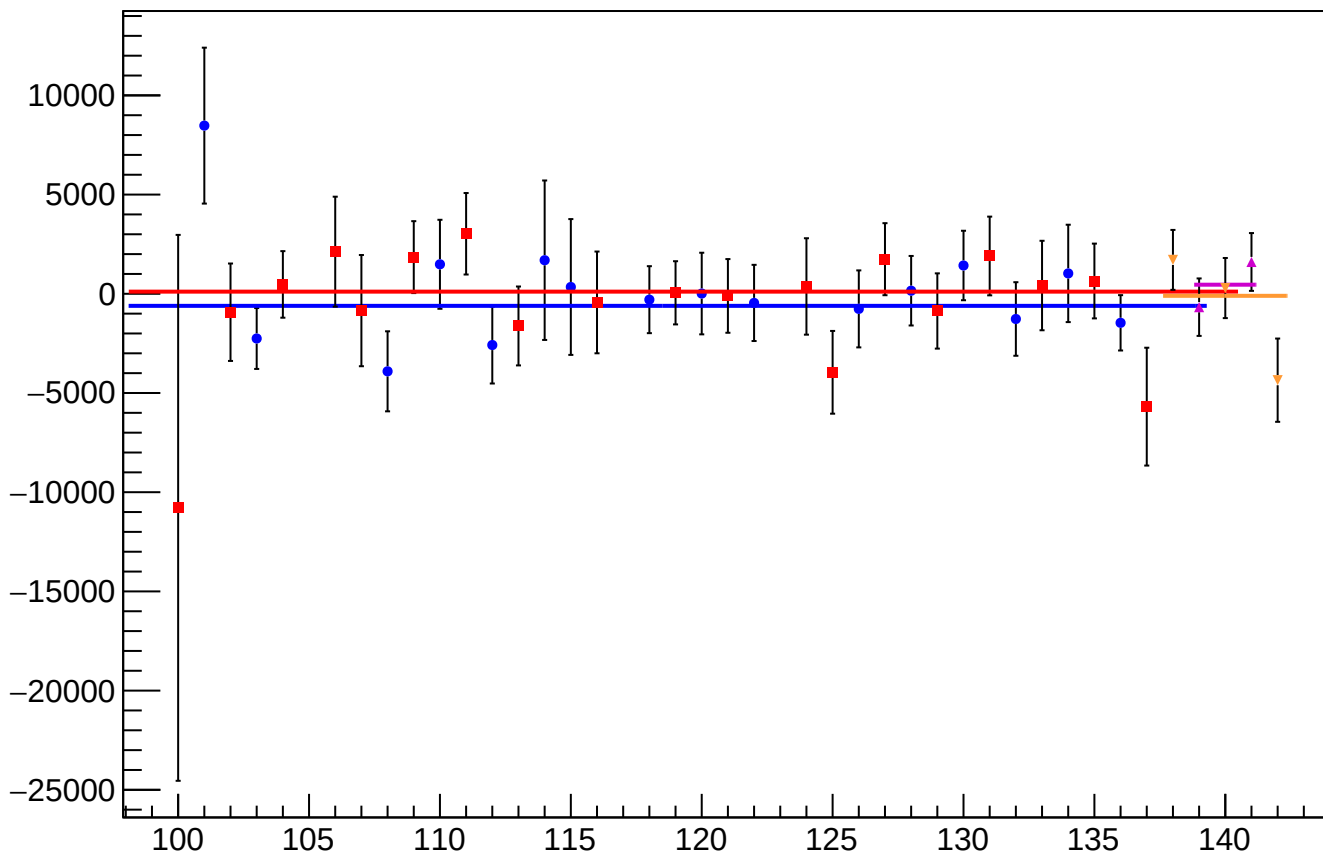
Right Out: 3192.203+/-0.849 χ^2/NDF : 772495.7/18

All: 3441.290+/-0.578 χ^2/NDF : 1426079.6/39

- sign 3311.626+/-0.794 χ^2/NDF : 955766.8/20

Left In: 4146.801+/-2.244 χ^2/NDF : 24941.6/1

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: -102.431+/-952.859 χ^2/NDF : 5.6/2

Right Out: 108.619+/-485.553 χ^2/NDF : 14.9/18

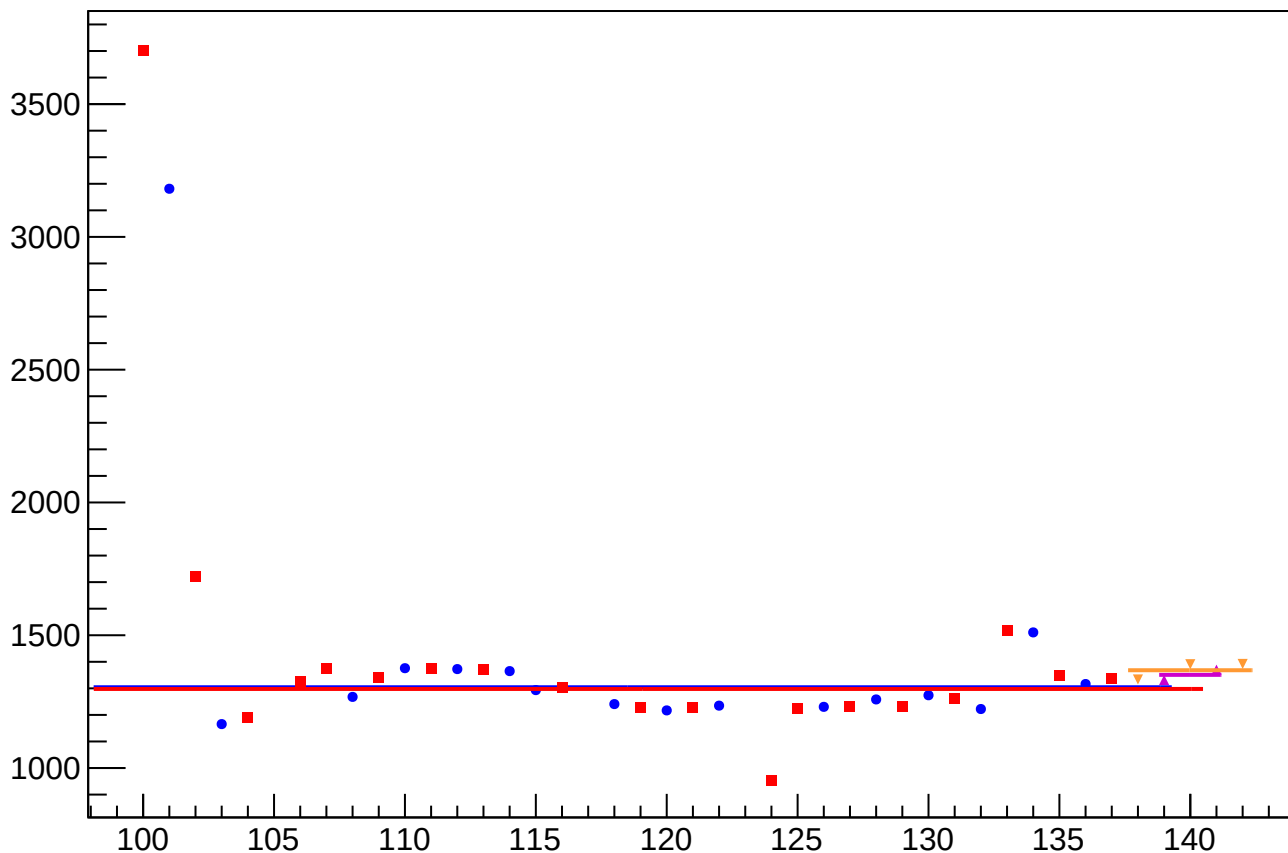
Left In: 458.120+/-1026.914 χ^2/NDF : 1.2/1

+ sign -500.707+/-438.692 χ^2/NDF : 19.9/18

All: -164.318+/-310.296 χ^2/NDF : 37.3/39

- sign 172.479+/-438.958 χ^2/NDF : 16.2/20

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: 1368.241 $\pm$ 0.674 χ^2 /NDF: 1763.2/2

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213097.0/18

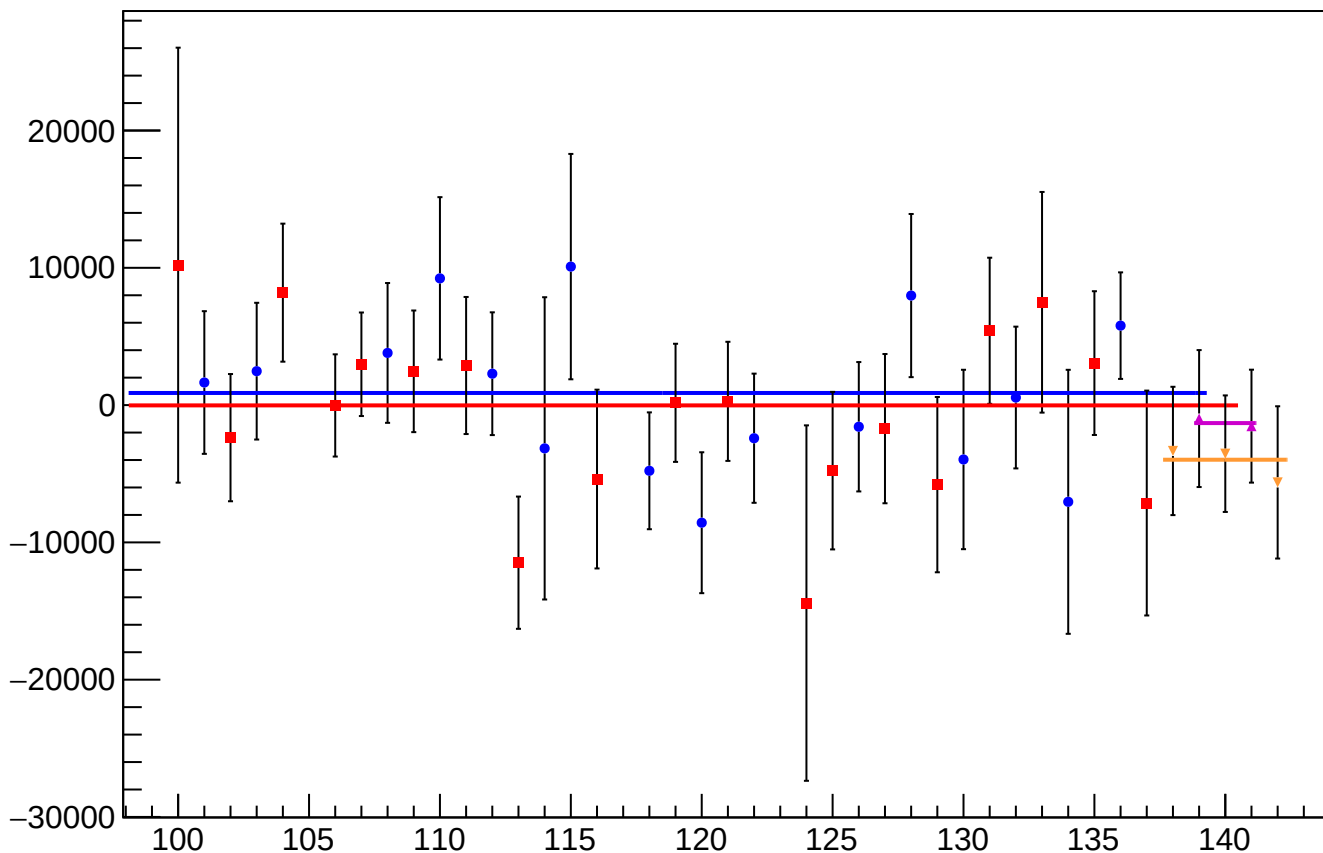
Left In: 1350.870 $\pm$ 0.726 χ^2 /NDF: 712.8/1

+ sign 1317.697 $\pm$ 0.310 χ^2 /NDF: 519493.7/18

All: 1312.590 $\pm$ 0.219 χ^2 /NDF: 738213.1/39

- sign 1307.482 $\pm$ 0.310 χ^2 /NDF: 218177.1/20

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: -3978.505 $\pm$ 2733.718 χ^2 /NDF: 0.1/2

Right Out: -20.677 $\pm$ 1200.012 χ^2 /NDF: 16.8/18

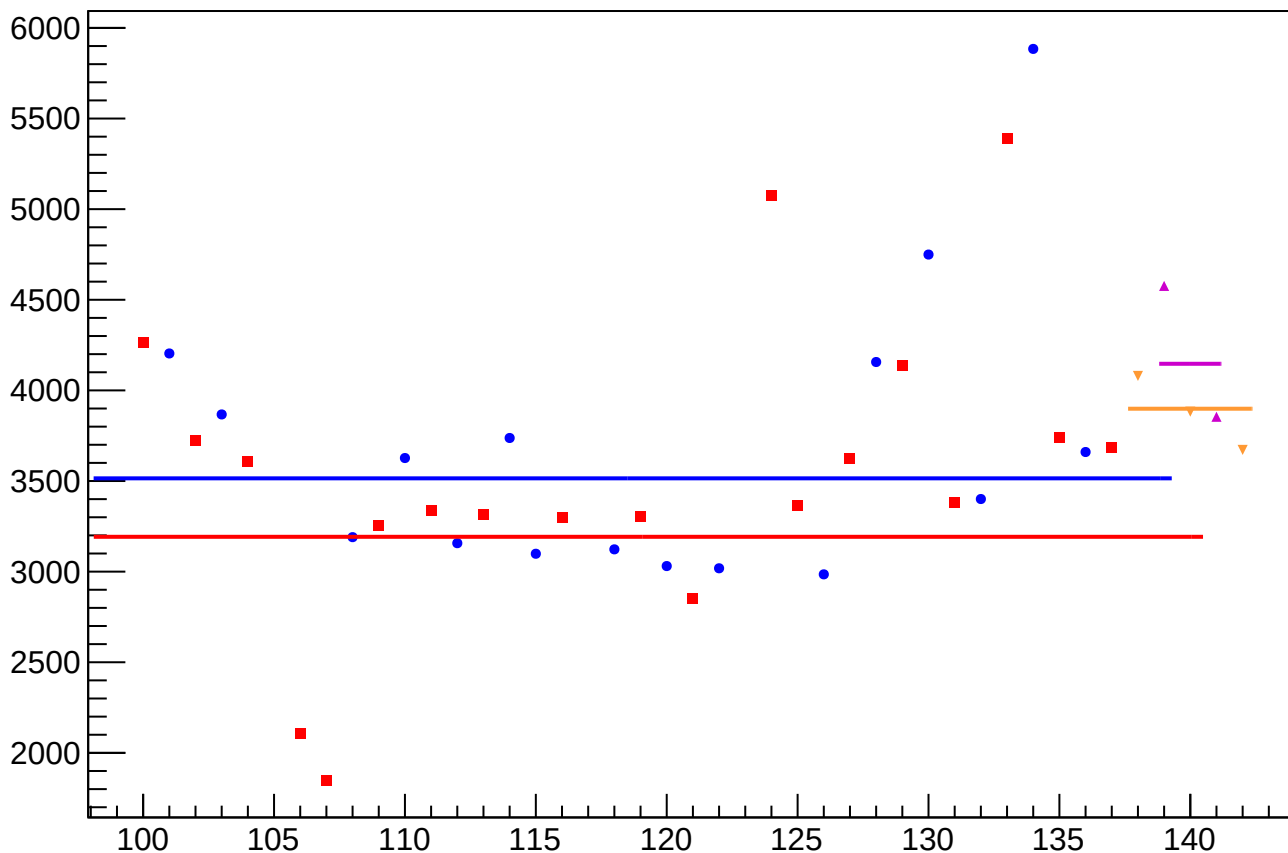
Left In: -1309.271 $\pm$ 3173.463 χ^2 /NDF: 0.0/1

+ sign -43.677 $\pm$ 1194.074 χ^2 /NDF: 16.8/18

All: -117.049 $\pm$ 817.838 χ^2 /NDF: 33.8/39

- sign -181.882 $\pm$ 1122.443 χ^2 /NDF: 17.0/20

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 3514.737+/-0.939 χ^2/NDF : 375082.8/15

Left Out: 3898.871+/-1.933 χ^2/NDF : 6386.6/2

Right Out: 3192.196+/-0.849 χ^2/NDF : 772497.9/18

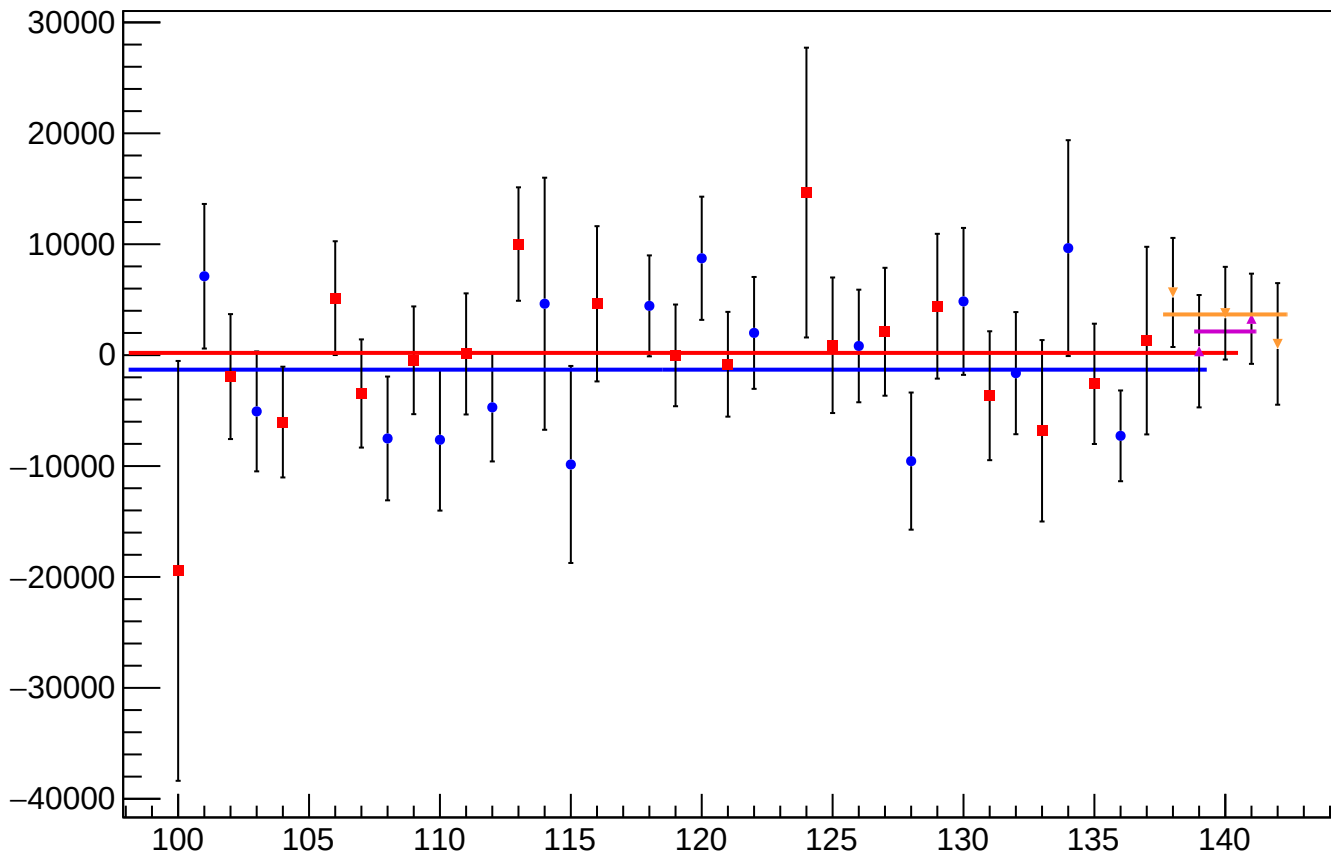
Left In: 4146.807+/-2.244 χ^2/NDF : 24942.3/1

+ sign 3588.026+/-0.844 χ^2/NDF : 413425.3/18

All: 3441.283+/-0.578 χ^2/NDF : 1426094.0/39

- sign 3311.619+/-0.794 χ^2/NDF : 955774.0/20

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349 ± 1431.624 χ^2/NDF : 17.6/15

Left Out: 3669.705 ± 2753.396 χ^2/NDF : 0.4/2

Right Out: 201.593 ± 1336.062 χ^2/NDF : 11.6/18

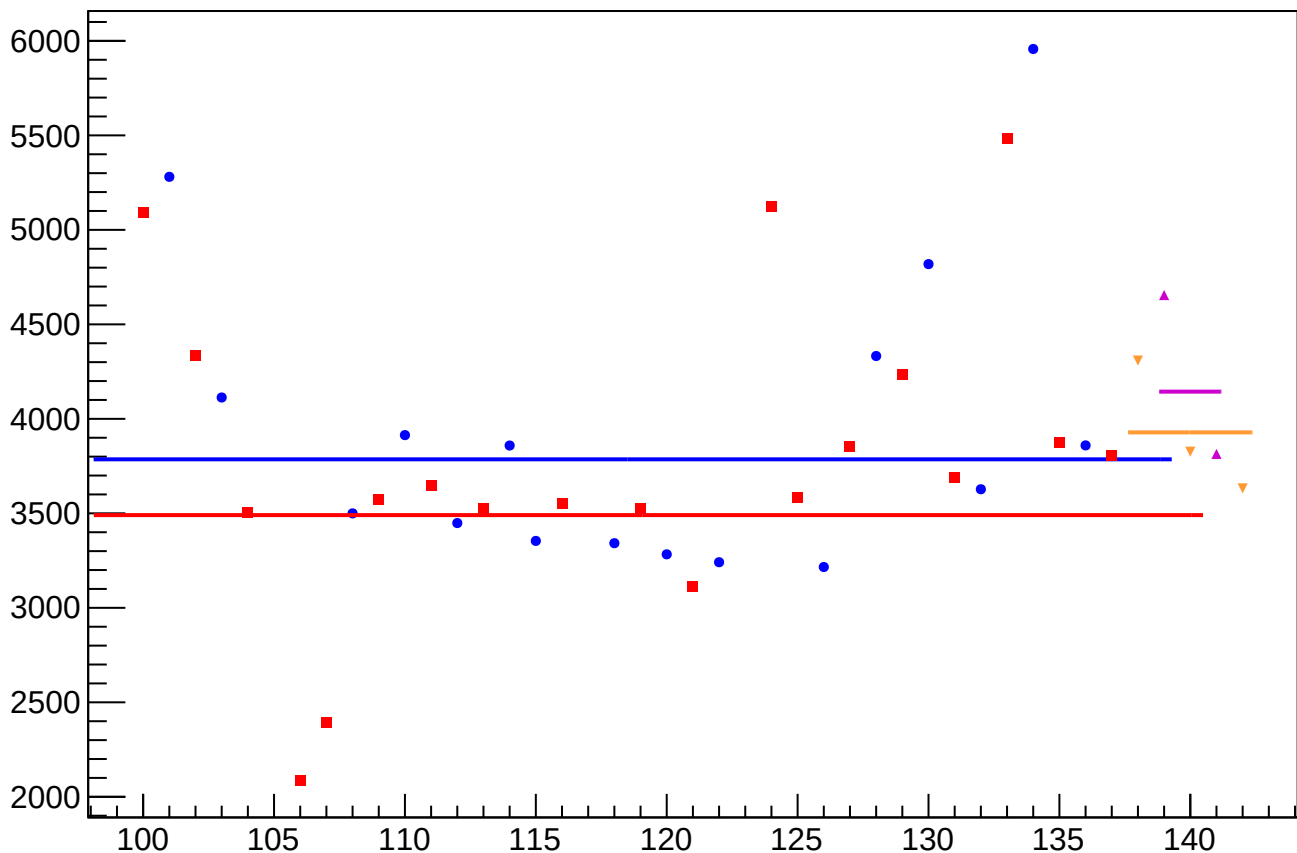
Left In: 2133.541 ± 3171.289 χ^2/NDF : 0.2/1

+ sign -249.741 ± 1270.188 χ^2/NDF : 20.5/18

All: 133.090 ± 884.072 χ^2/NDF : 32.9/39

- sign 492.812 ± 1231.253 χ^2/NDF : 12.2/20

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF : 382992.9/15

Left Out: 3928.391+/-1.947 χ^2/NDF : 18979.5/2

Right Out: 3490.614+/-0.932 χ^2/NDF : 586715.1/18

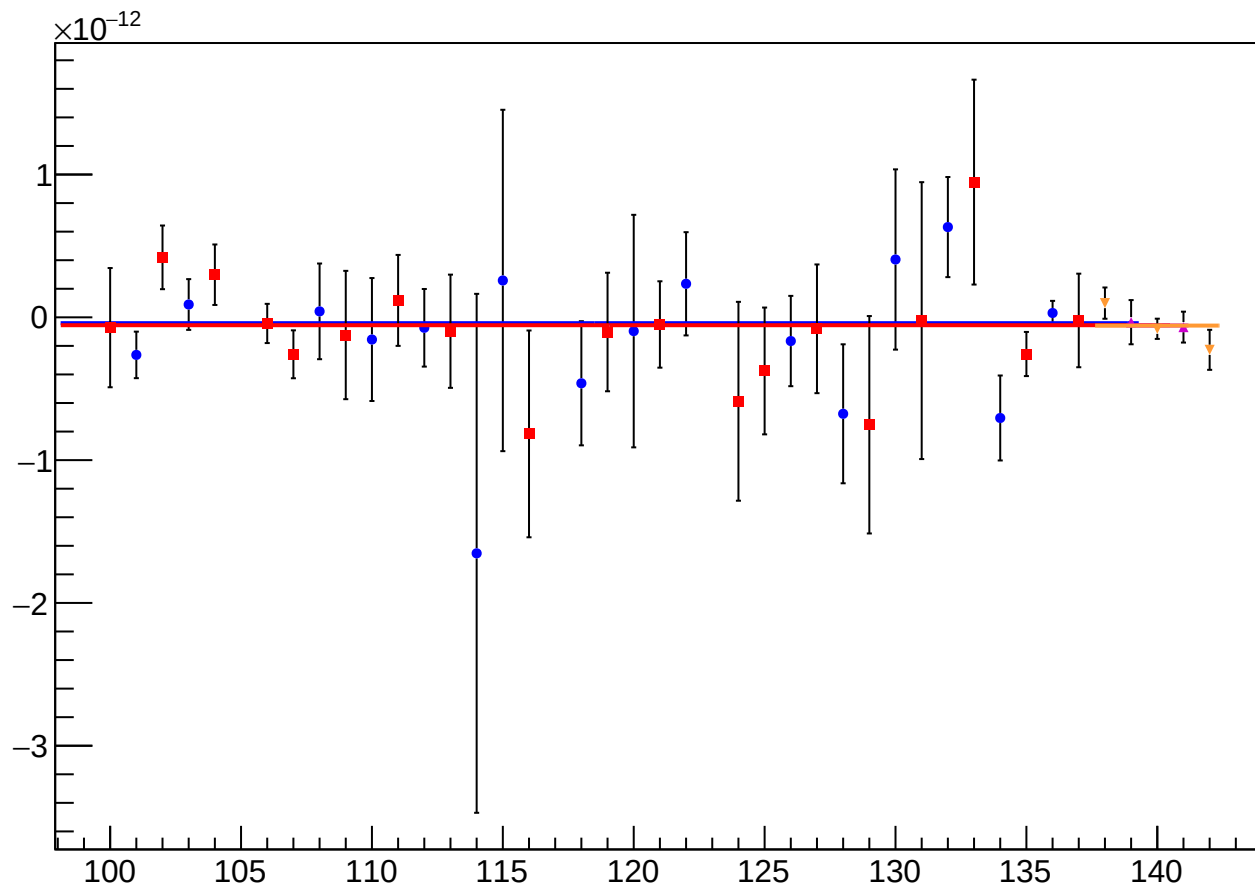
Left In: 4143.971+/-2.242 χ^2/NDF : 33477.9/1

+ sign 3816.124+/-0.898 χ^2/NDF : 406196.3/18

All: 3696.570+/-0.621 χ^2/NDF : 1132762.7/39

- sign 3586.825+/-0.861 χ^2/NDF : 692583.1/20

asym_atl1r2_dd_atl2r1_dd_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 : 3.6/2

Right Out: -0.000+/-0.000 χ^2/NDF : 15.9/18

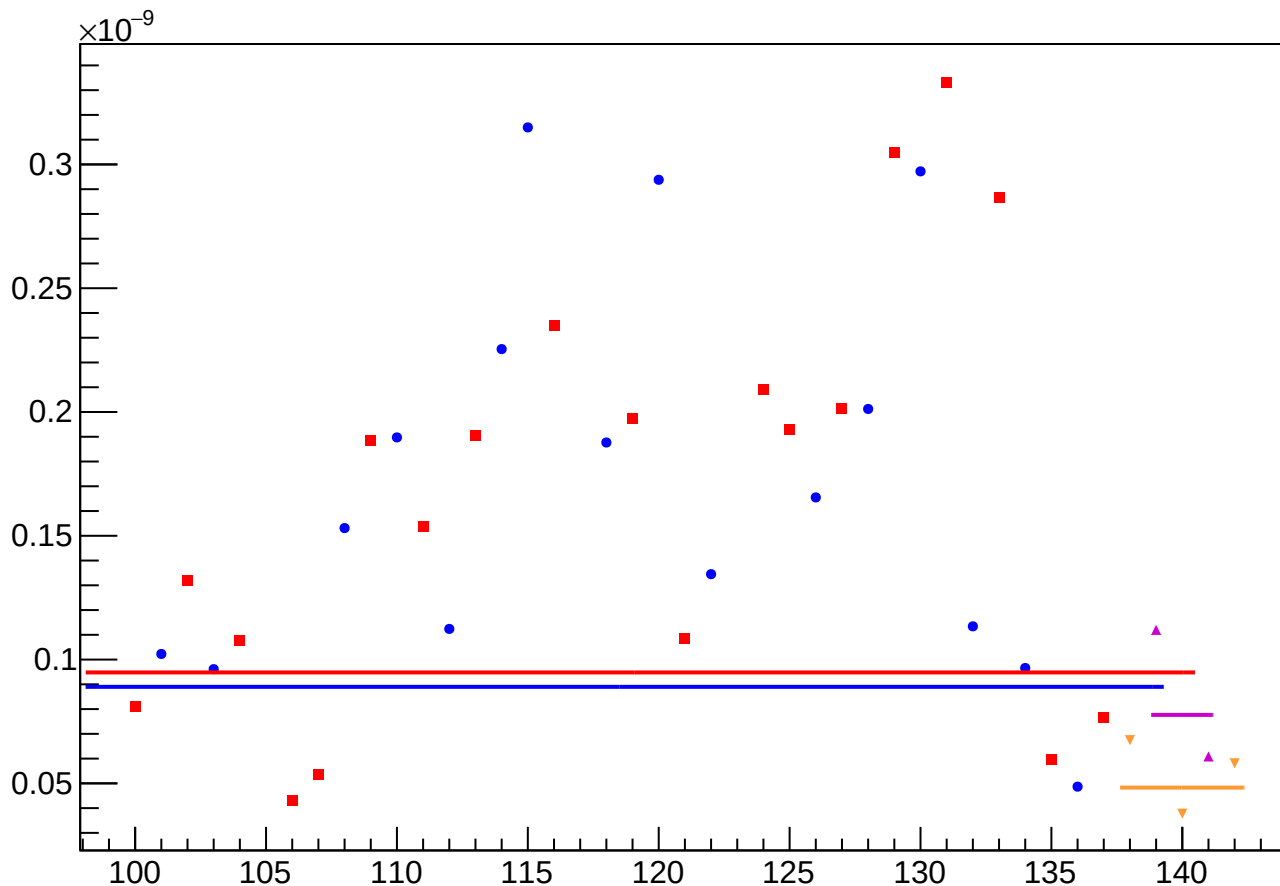
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 20.3/18

All: -0.000+/-0.000 χ^2/NDF : 36.2/39

- sign -0.000+/-0.000 χ^2/NDF : 15.9/20

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 : 115302.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1734601.4/18

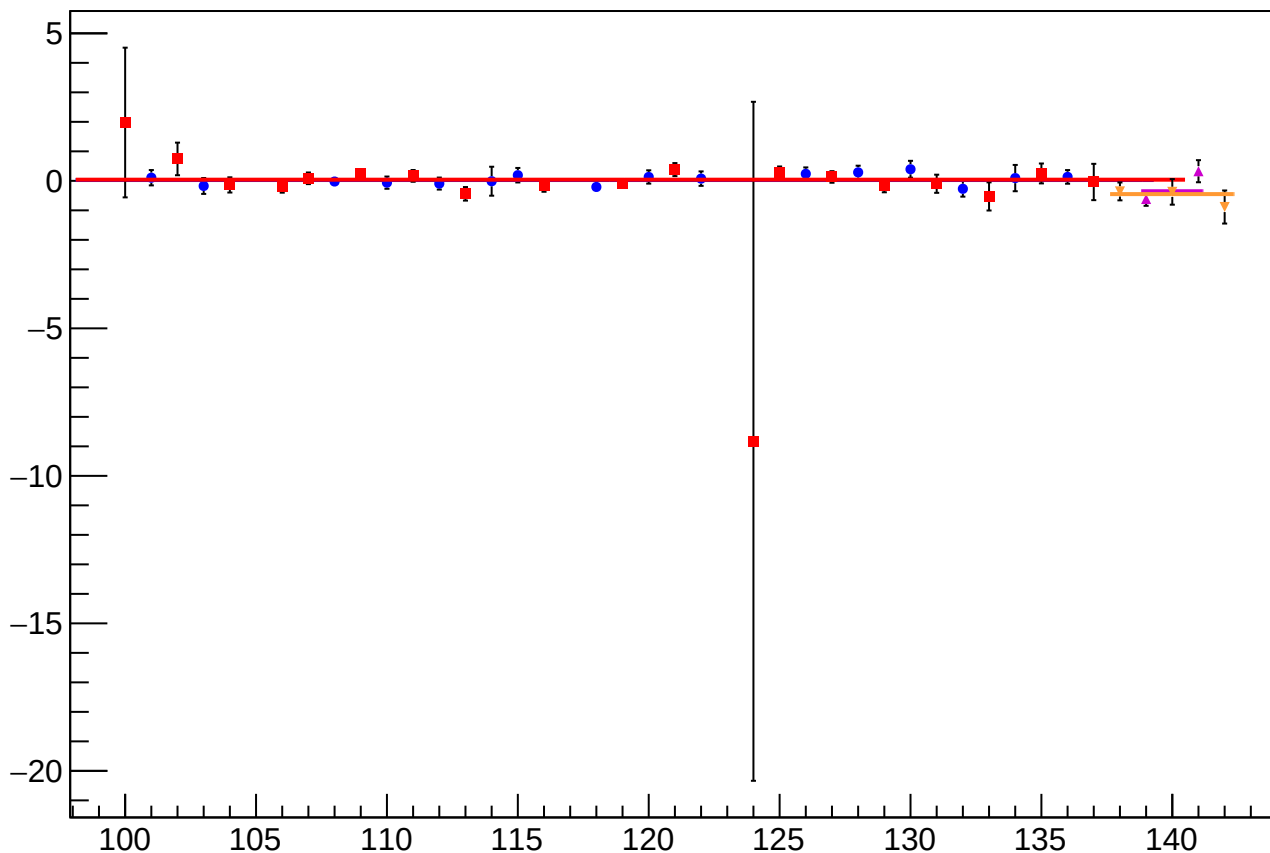
Left In: 0.000+/-0.000 χ^2/NDF : 146700.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2087490.4/18

All: 0.000+/-0.000 χ^2/NDF : 4239383.6/39

- sign 0.000+/-0.000 χ^2/NDF : 1930525.7/20

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: -0.449 ± 0.227 χ^2/NDF : 0.7/2

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

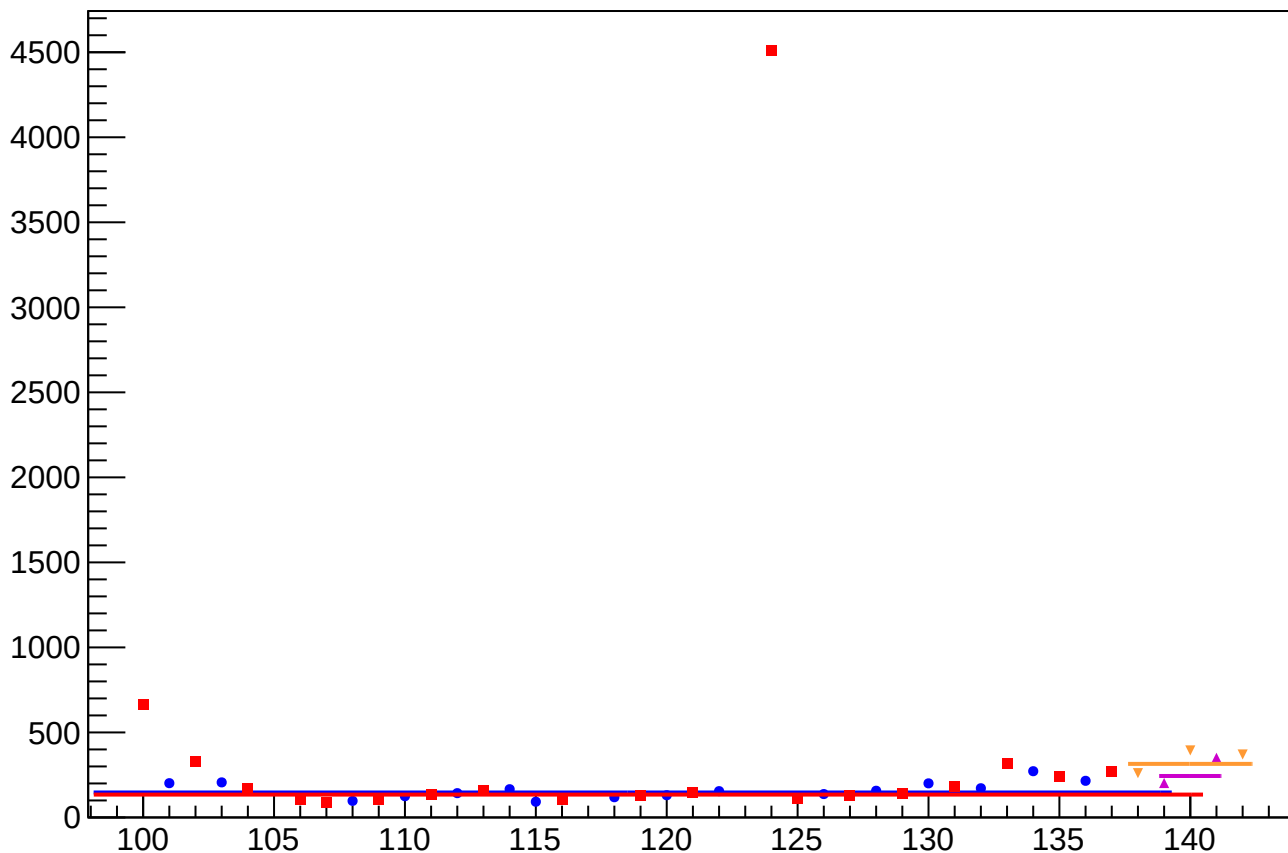
Left In: -0.352 ± 0.198 χ^2/NDF : 4.5/1

+ sign -0.001 ± 0.056 χ^2/NDF : 14.3/18

All: 0.005 ± 0.038 χ^2/NDF : 42.5/39

- sign 0.011 ± 0.053 χ^2/NDF : 28.2/20

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998704.7/15

Left Out: 315.050+/-0.160 χ^2/NDF : 151154.2/2

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

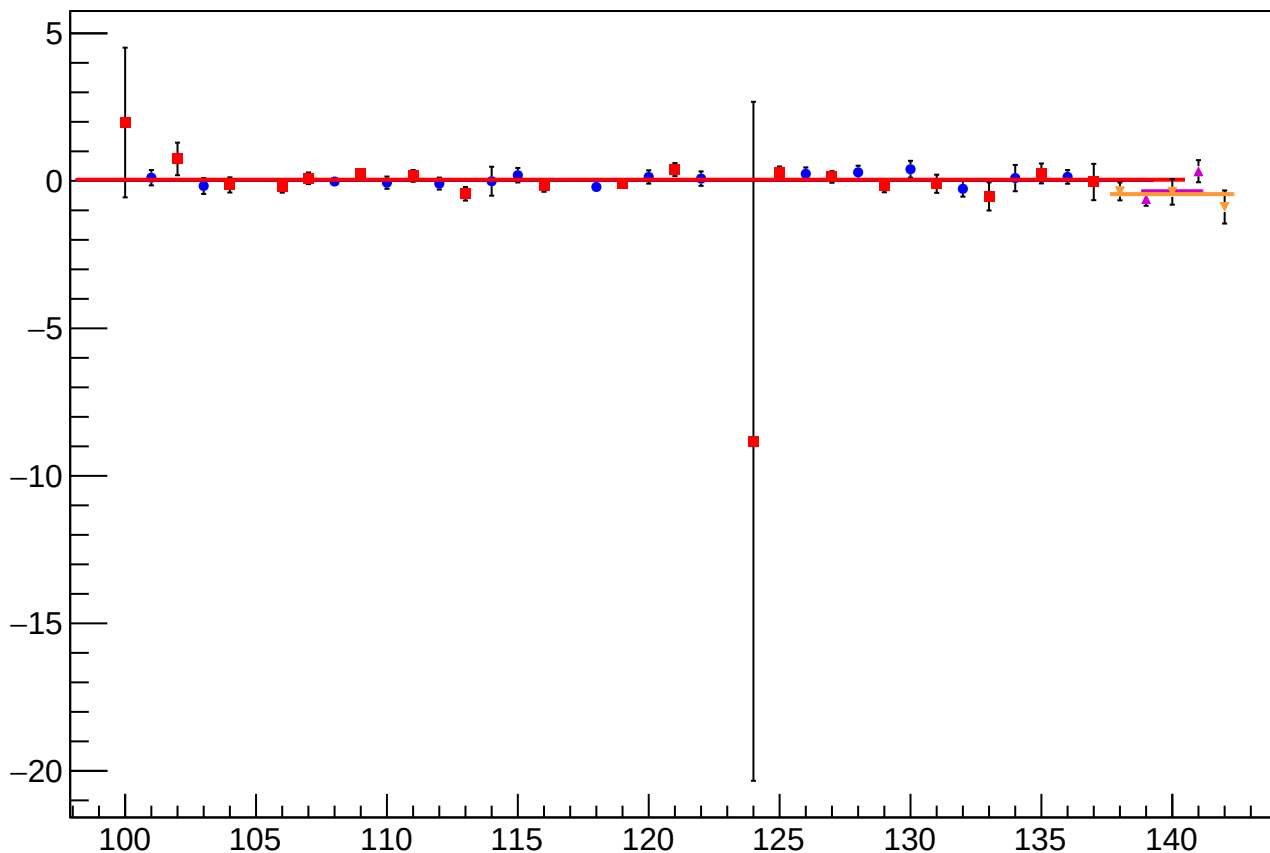
Left In: 243.847+/-0.140 χ^2/NDF : 226761.4/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182213.6/18

All: 149.250+/-0.027 χ^2/NDF : 4657162.7/39

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.058 χ^2 /NDF: 9.4/15

Left Out: -0.449 $\pm$ 0.227 χ^2 /NDF: 0.7/2

Right Out: 0.039 $\pm$ 0.055 χ^2 /NDF: 20.0/18

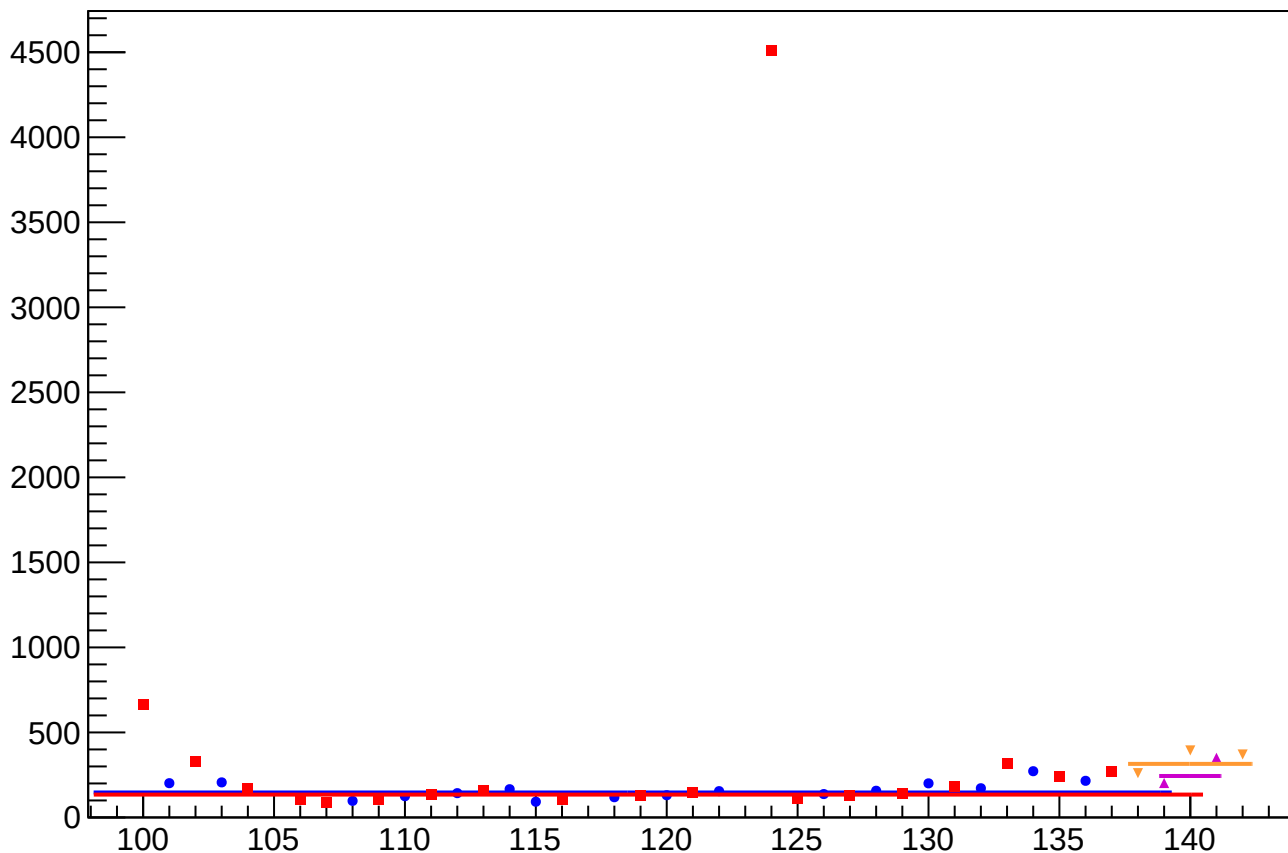
Left In: -0.352 $\pm$ 0.198 χ^2 /NDF: 4.5/1

+ sign -0.001 $\pm$ 0.056 χ^2 /NDF: 14.3/18

All: 0.005 $\pm$ 0.038 χ^2 /NDF: 42.5/39

- sign 0.011 $\pm$ 0.053 χ^2 /NDF: 28.2/20

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998704.7/15

Left Out: 315.050+/-0.160 χ^2/NDF : 151154.2/2

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

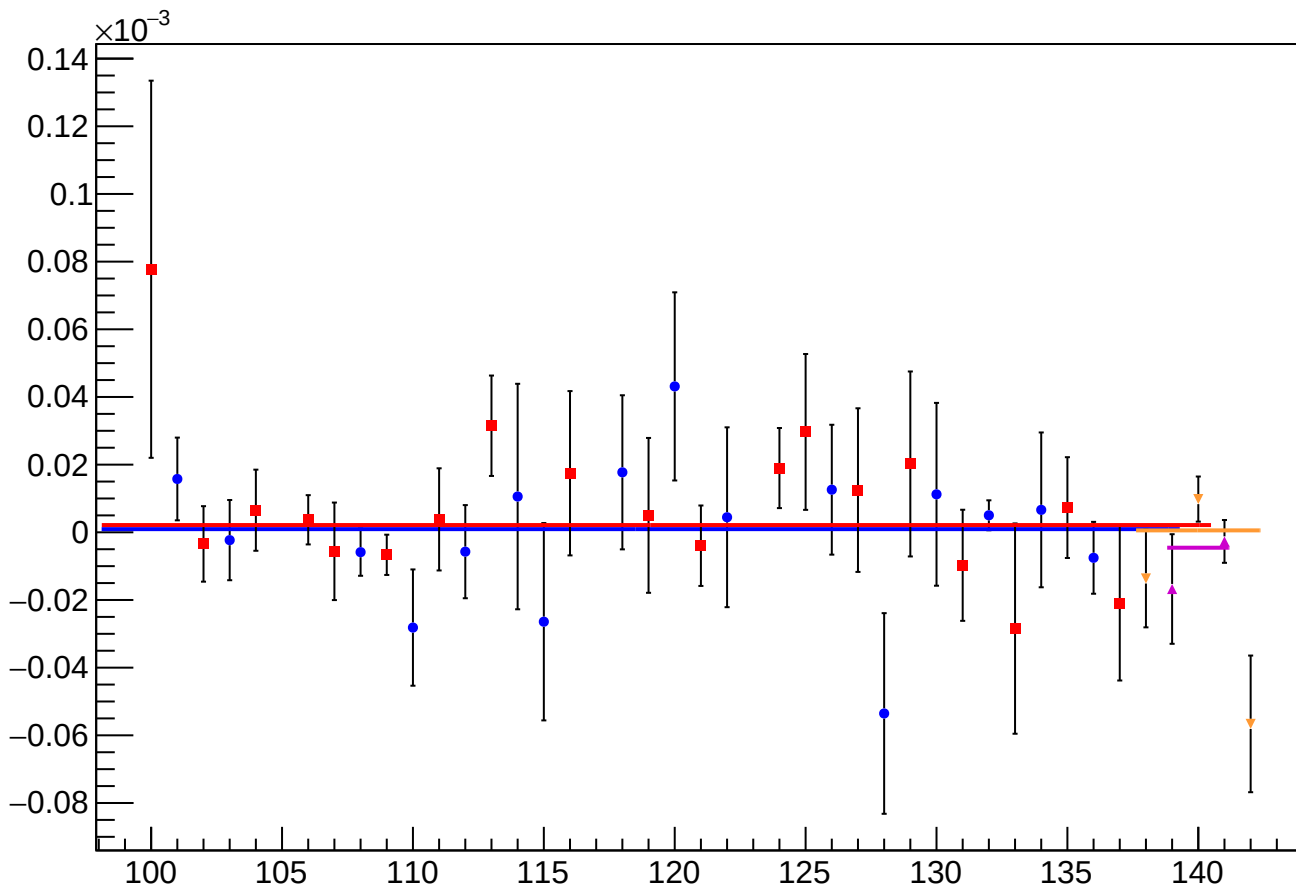
Left In: 243.847+/-0.140 χ^2/NDF : 226761.4/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182213.6/18

All: 149.250+/-0.027 χ^2/NDF : 4657162.7/39

- sign 142.303+/-0.037 χ^2/NDF : 2401441.7/20

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 : 10.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 16.0/18

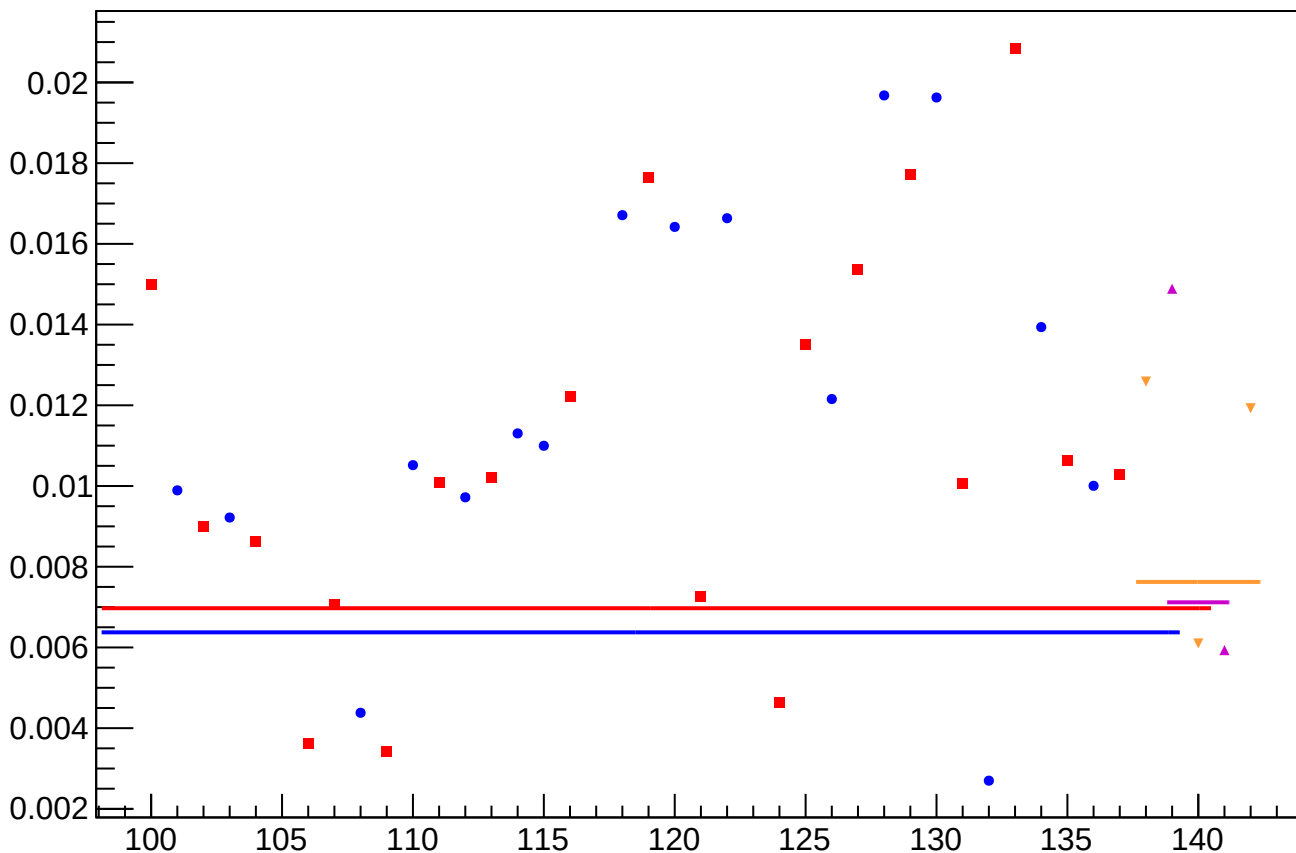
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 0.7/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 25.8/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 43.5/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 17.7/20

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 4639775.7/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:431485.1/2

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 3409939.3/18

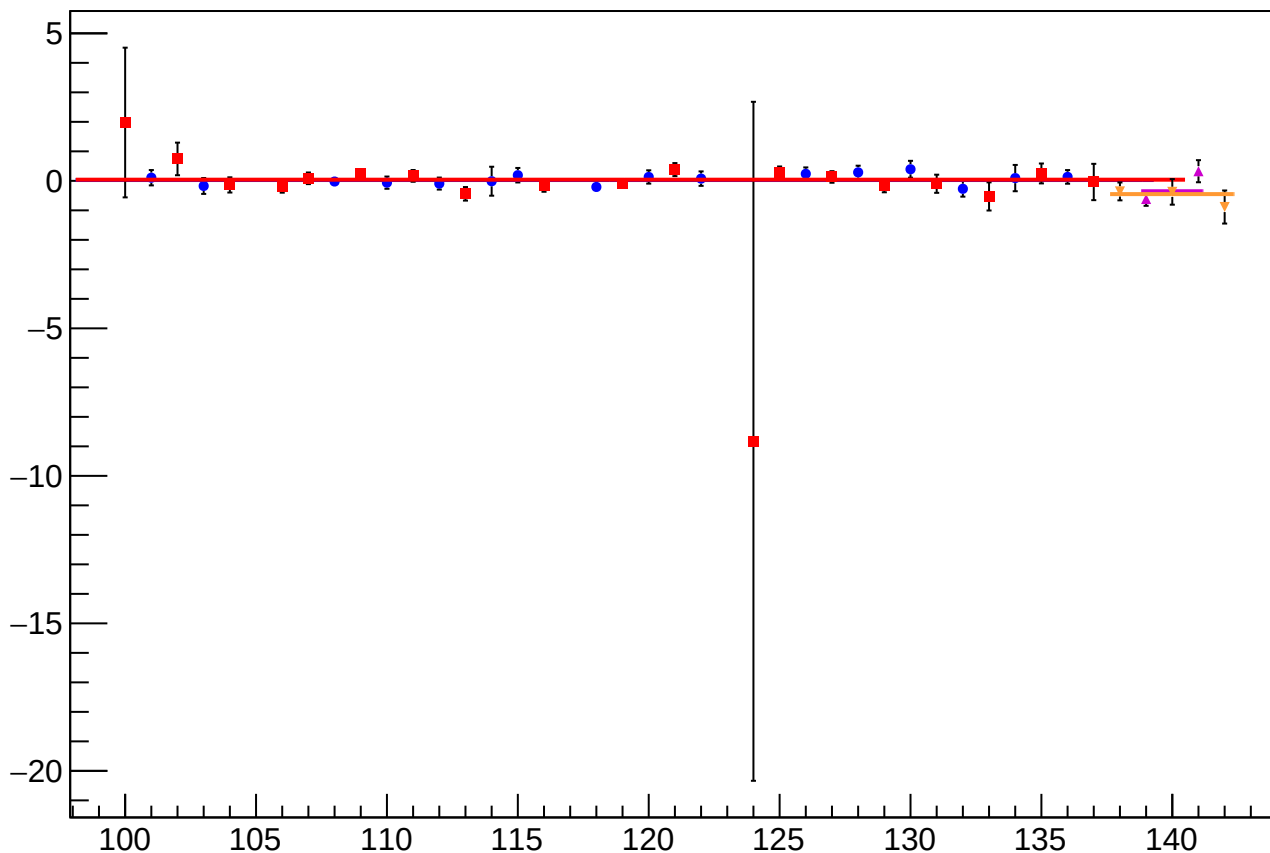
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:530472.1/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5145240.2/18

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 9106594.6/39

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3941392.2/20

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.058 χ^2 /NDF: 9.4/15

Left Out: -0.449 $\pm$ 0.227 χ^2 /NDF:0.7/2

Right Out: 0.039 $\pm$ 0.055 χ^2 /NDF: 20.0/18

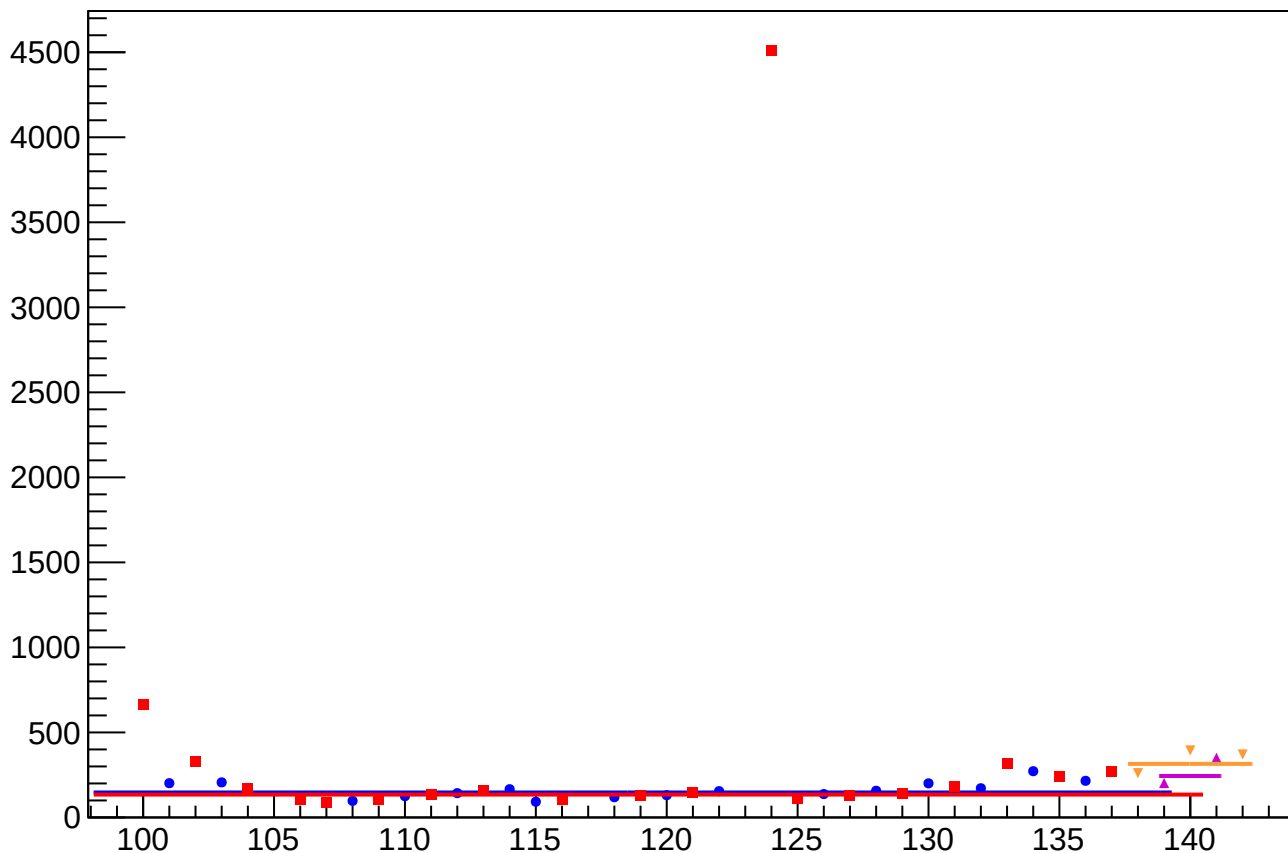
Left In: -0.352 $\pm$ 0.198 χ^2 /NDF:4.5/1

+ sign -0.001 $\pm$ 0.056 χ^2 /NDF: 14.3/18

All: 0.005 $\pm$ 0.038 χ^2 /NDF: 42.5/39

- sign 0.011 $\pm$ 0.053 χ^2 /NDF: 28.2/20

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: 315.054+/-0.160 χ^2/NDF :151150.3/2

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

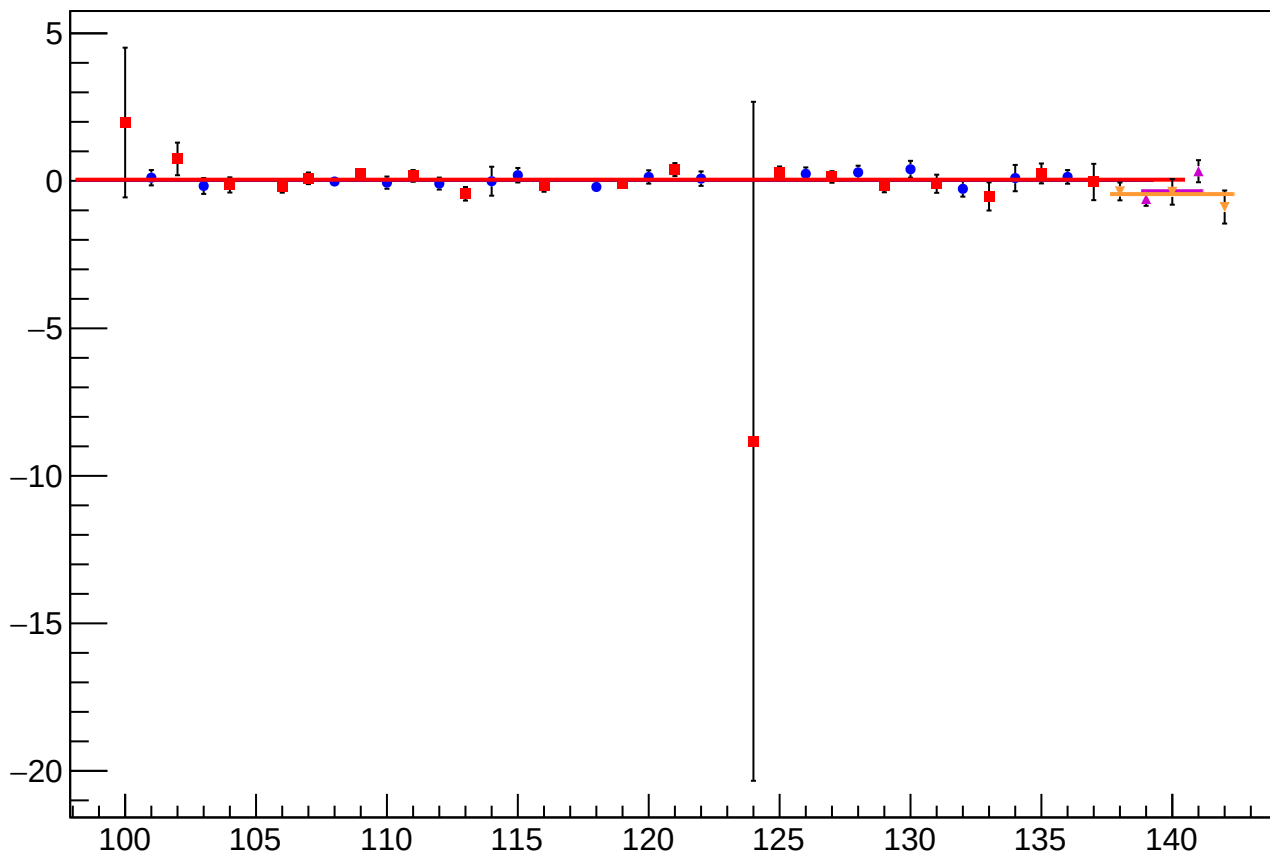
Left In: 243.852+/-0.140 χ^2/NDF :226749.0/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182177.4/18

All: 149.250+/-0.027 χ^2/NDF : 4657041.9/39

- sign 142.304+/-0.037 χ^2/NDF : 2401371.6/20

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: -0.449 $\pm$ 0.227 χ^2 /NDF: 0.7/2

Right Out: 0.039 $\pm$ 0.055 χ^2 /NDF: 20.0/18

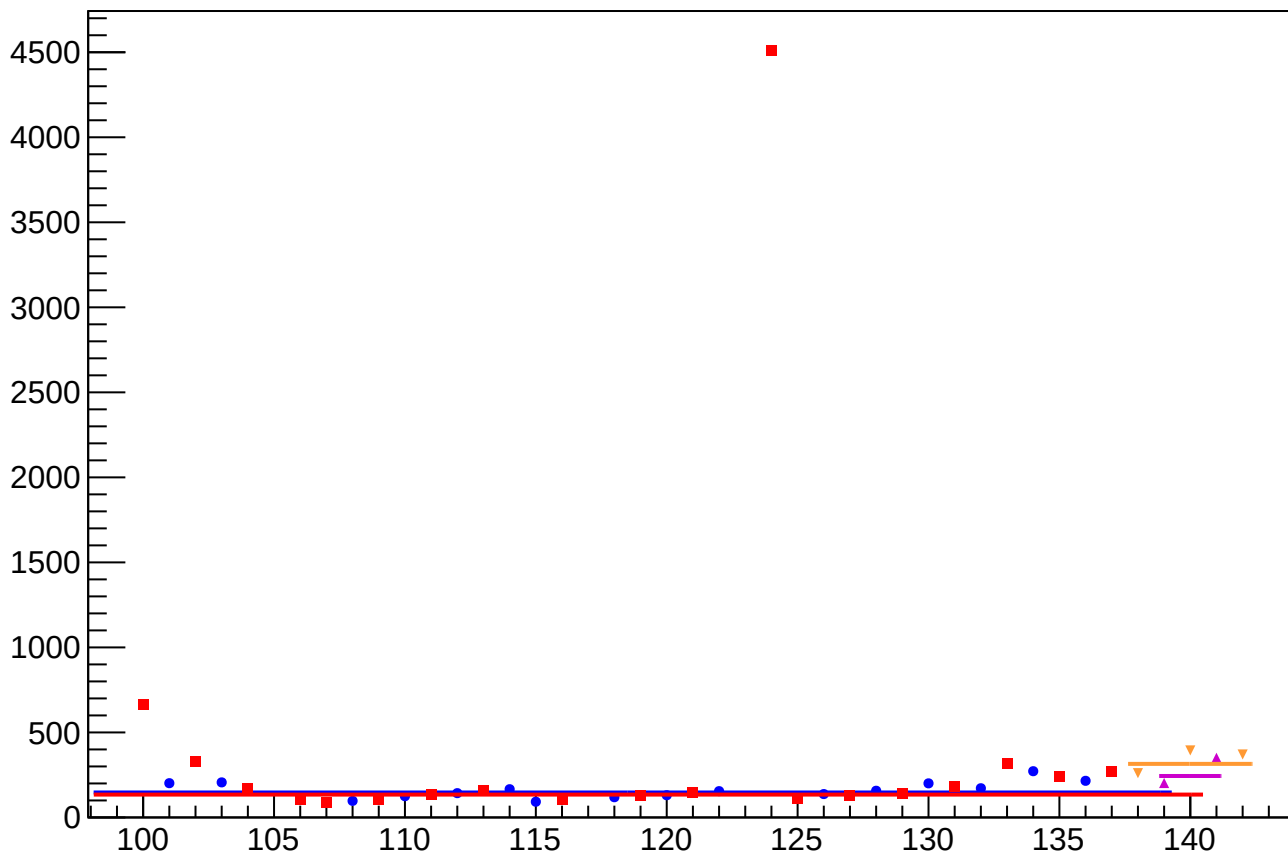
Left In: -0.352 $\pm$ 0.198 χ^2 /NDF: 4.5/1

+ sign -0.001 $\pm$ 0.056 χ^2 /NDF: 14.3/18

All: 0.005 $\pm$ 0.038 χ^2 /NDF: 42.5/39

- sign 0.011 $\pm$ 0.053 χ^2 /NDF: 28.2/20

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: 315.054+/-0.160 χ^2/NDF :151150.3/2

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

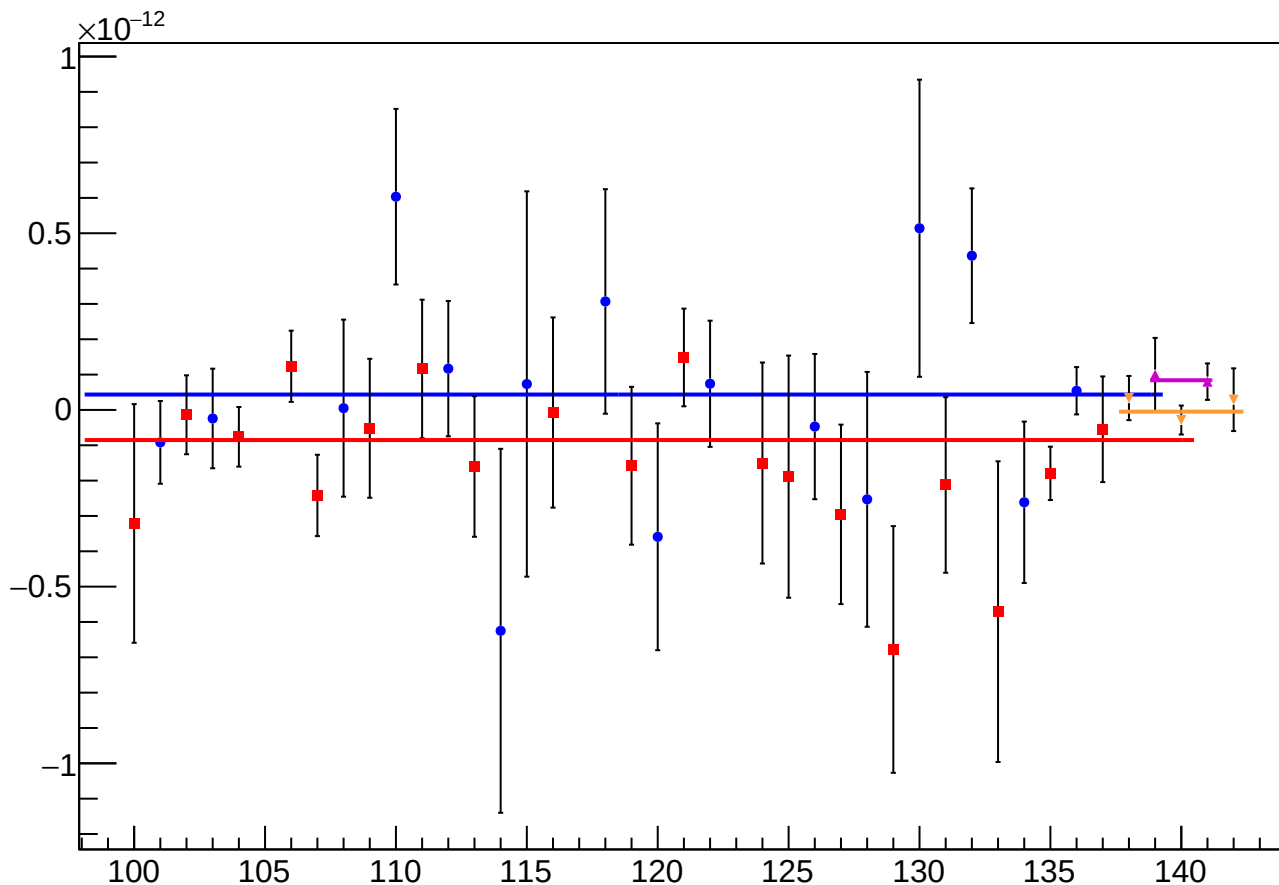
Left In: 243.852+/-0.140 χ^2/NDF :226749.0/1

+ sign 157.046+/-0.040 χ^2/NDF : 2182177.4/18

All: 149.250+/-0.027 χ^2/NDF : 4657041.9/39

- sign 142.304+/-0.037 χ^2/NDF : 2401371.6/20

asym_atl1r2_dd_atl2r1_dd_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 : 0.9/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.2/18

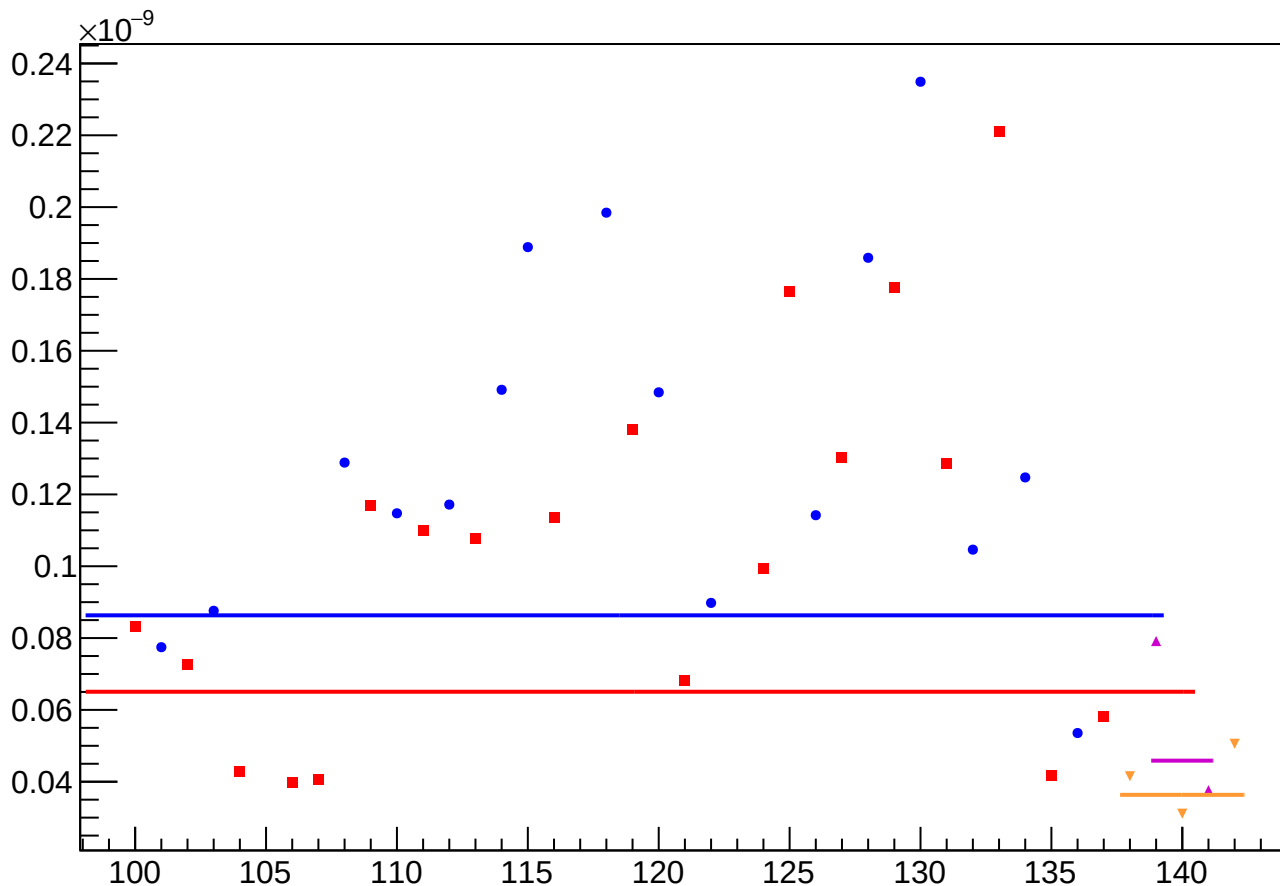
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 20.7/18

All: -0.000 ± 0.000 χ^2/NDF : 48.6/39

- sign -0.000 ± 0.000 χ^2/NDF : 26.9/20

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1565662.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 97819.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2158861.4/18

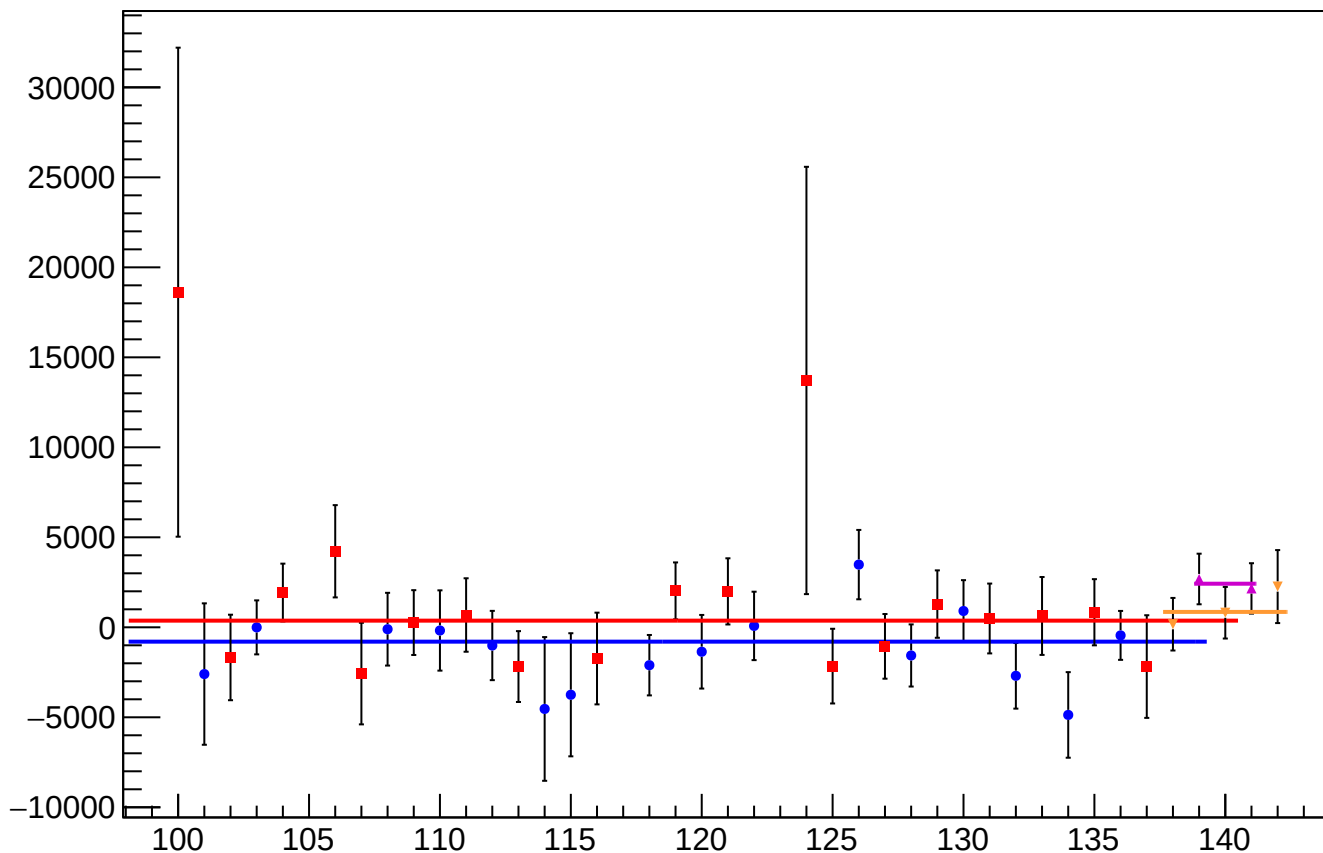
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 256625.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3417839.4/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6078447.6/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2638271.2/20

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285 ± 487.453 χ^2/NDF : 13.4/15

Left Out: 854.677 ± 913.422 χ^2/NDF : 0.7/2

Right Out: 370.010 ± 485.826 χ^2/NDF : 15.6/18

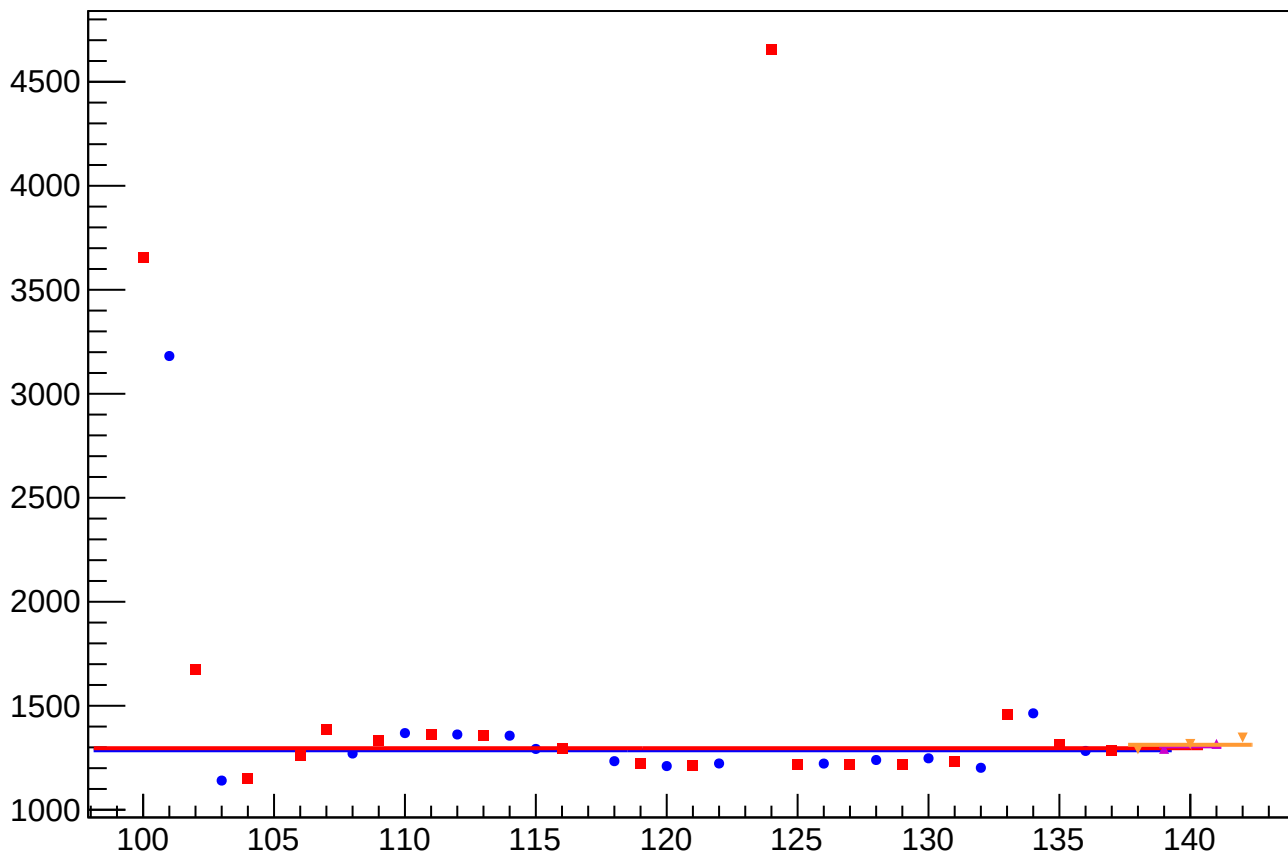
Left In: 2421.580 ± 991.779 χ^2/NDF : 0.1/1

+ sign -431.108 ± 430.048 χ^2/NDF : 16.7/18

All: 159.326 ± 306.274 χ^2/NDF : 39.6/39

- sign 767.029 ± 436.292 χ^2/NDF : 19.1/20

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: 1312.398 $\pm$ 0.646 χ^2 /NDF:1047.2/2

Right Out: 1295.943 $\pm$ 0.344 χ^2 /NDF: 328069.9/18

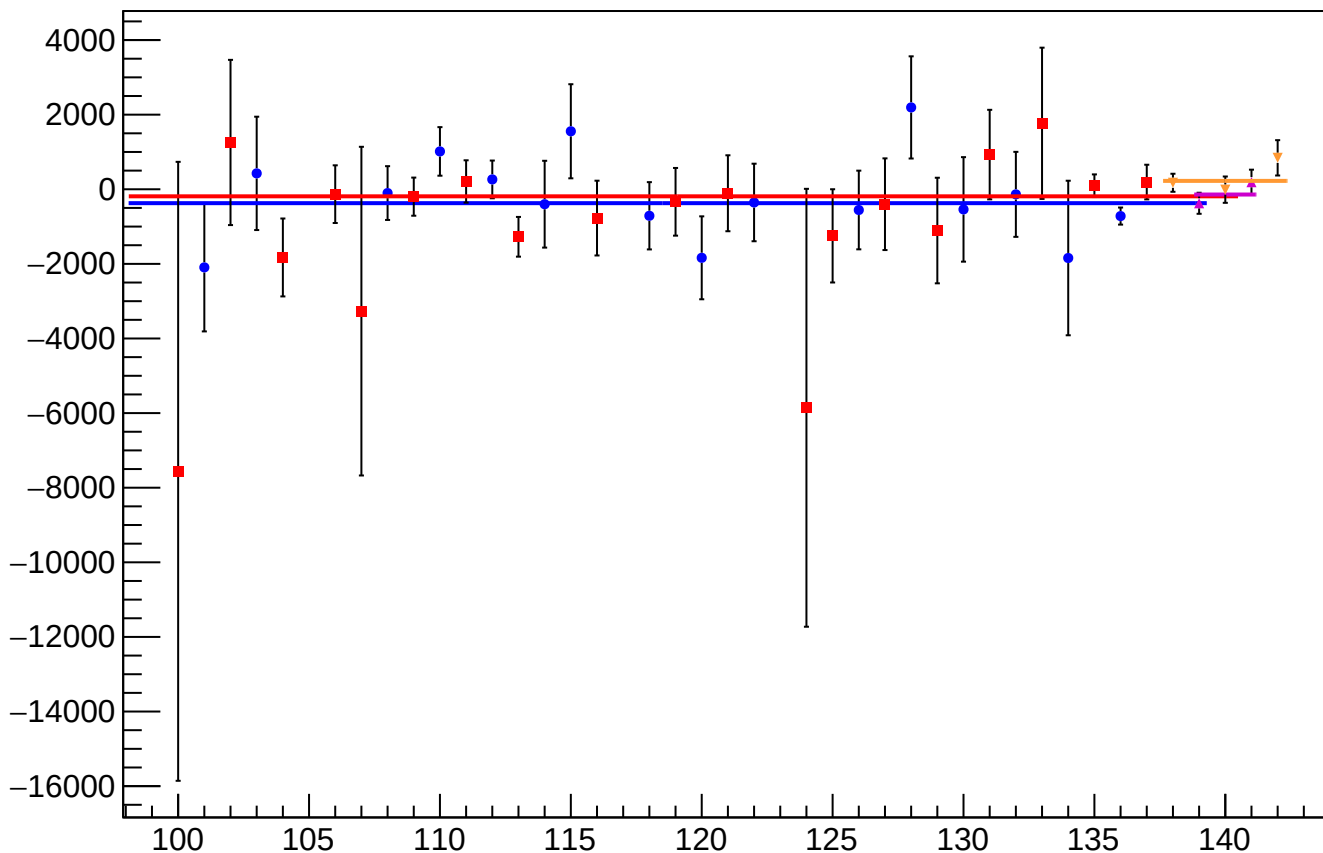
Left In: 1304.917 $\pm$ 0.701 χ^2 /NDF:288.4/1

+ sign 1291.927 $\pm$ 0.304 χ^2 /NDF: 520464.8/18

All: 1294.762 $\pm$ 0.217 χ^2 /NDF: 849131.5/39

- sign 1297.679 $\pm$ 0.309 χ^2 /NDF: 328490.4/20

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug



Right In: -372.325 ± 168.204 χ^2/NDF : 18.2/15

Left Out: 224.797 ± 183.691 χ^2/NDF : 2.2/2

Right Out: -188.945 ± 169.575 χ^2/NDF : 14.6/18

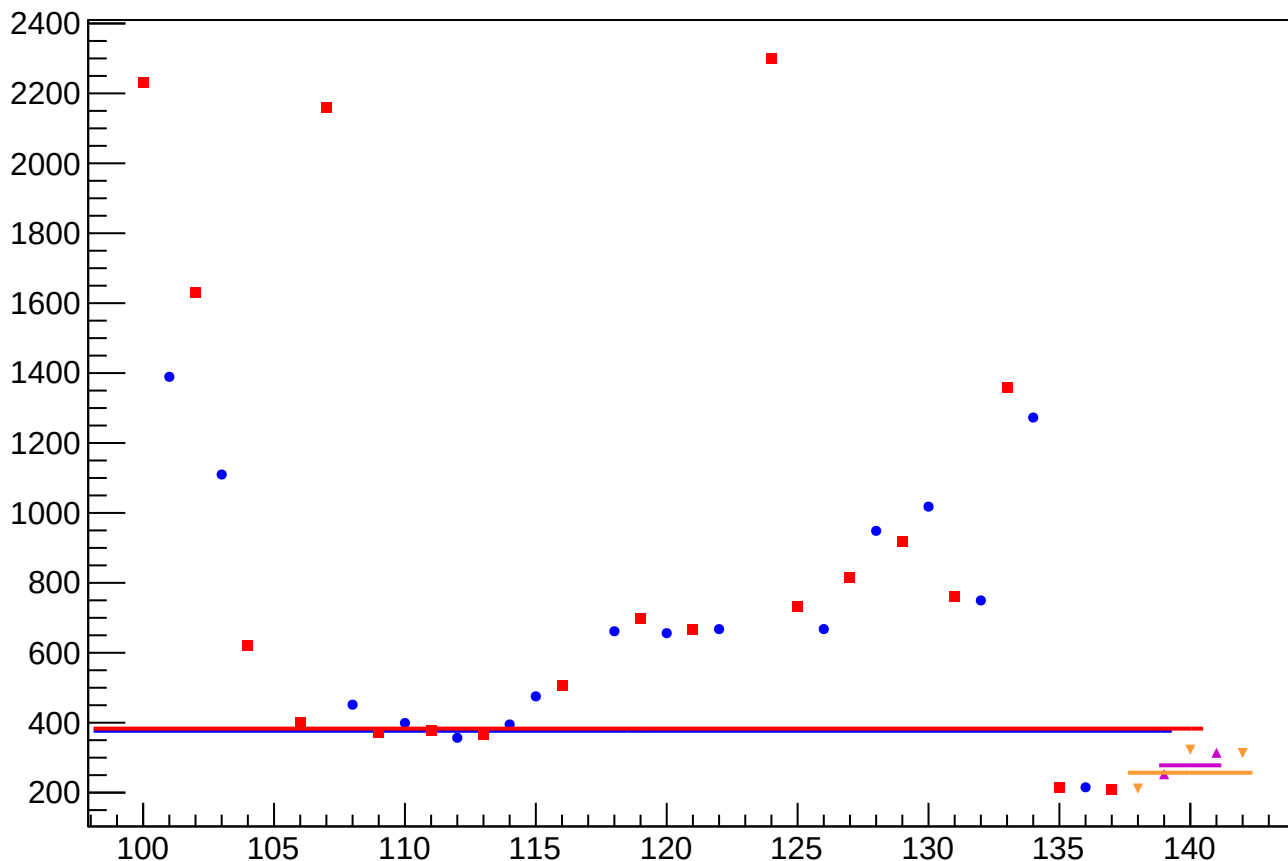
Left In: -140.955 ± 215.928 χ^2/NDF : 1.7/1

+ sign -99.993 ± 124.052 χ^2/NDF : 26.1/18

All: -132.763 ± 90.832 χ^2/NDF : 42.6/39

- sign -170.638 ± 133.365 χ^2/NDF : 16.3/20

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: 256.886+/-0.130 χ^2/NDF :168030.9/2

Right Out: 383.074+/-0.120 χ^2/NDF : 4054121.5/18

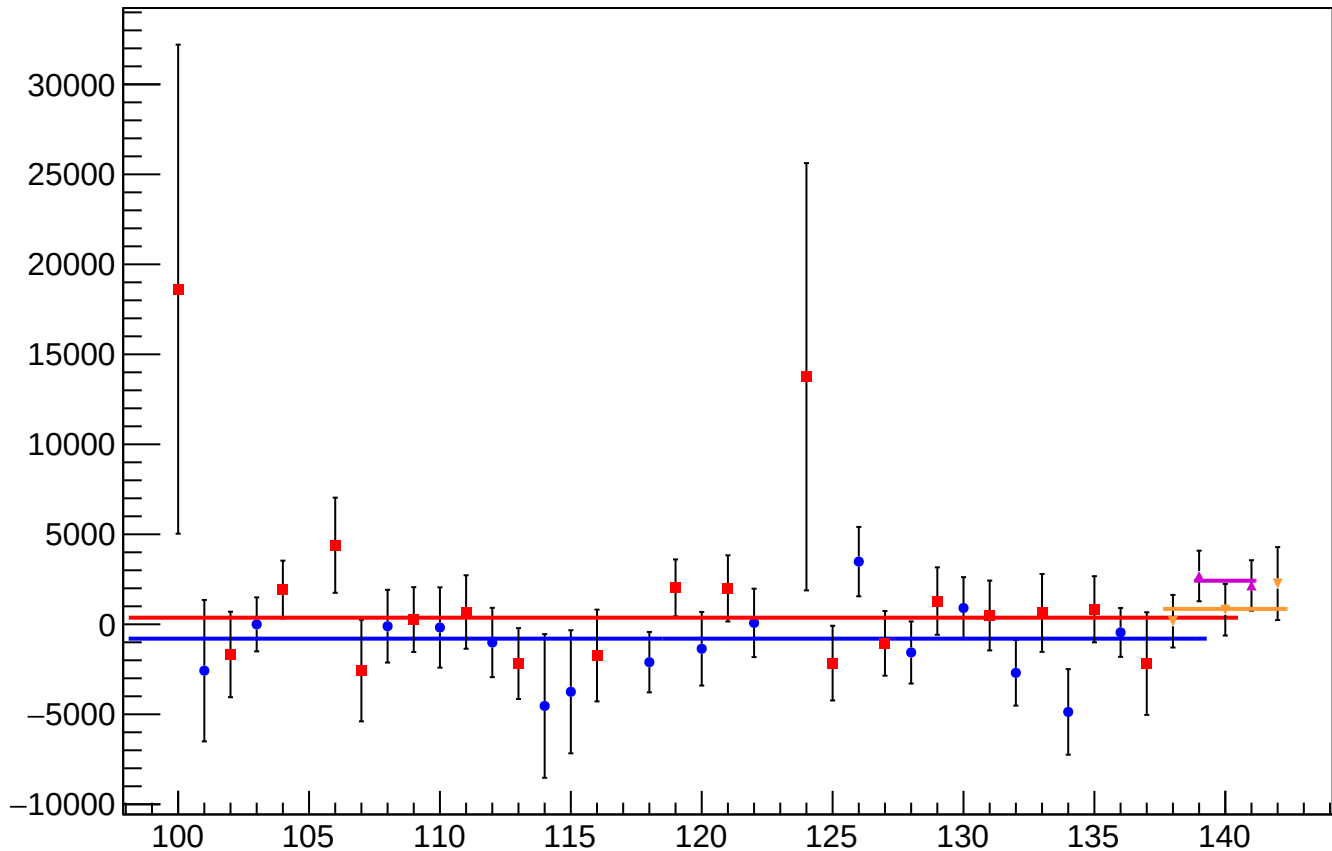
Left In: 278.092+/-0.153 χ^2/NDF :39183.4/1

+ sign 322.161+/-0.088 χ^2/NDF : 4822530.4/18

All: 331.839+/-0.064 χ^2/NDF : 9234496.3/39

- sign 343.026+/-0.094 χ^2/NDF : 4385720.2/20

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF : 13.4/15

Left Out: 854.867+/-913.422 χ^2/NDF : 0.7/2

Right Out: 367.476+/-486.348 χ^2/NDF : 15.7/18

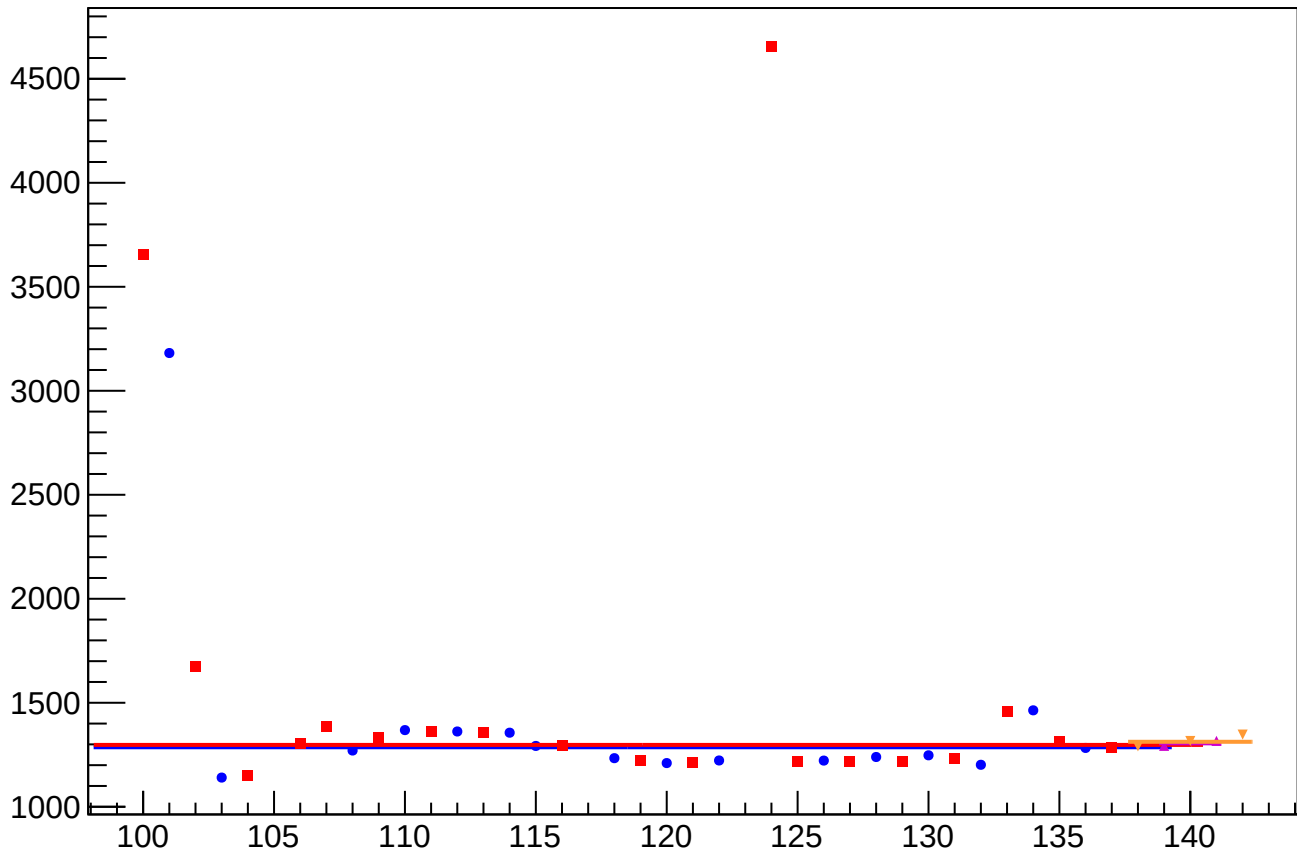
Left In: 2421.688+/-991.779 χ^2/NDF : 0.1/1

+ sign -430.752+/-430.048 χ^2/NDF : 16.7/18

All: 158.331+/-306.405 χ^2/NDF : 39.7/39

- sign 765.697+/-436.671 χ^2/NDF : 19.2/20

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: 1312.398 $\pm$ 0.646 χ^2 /NDF: 1047.2/2

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

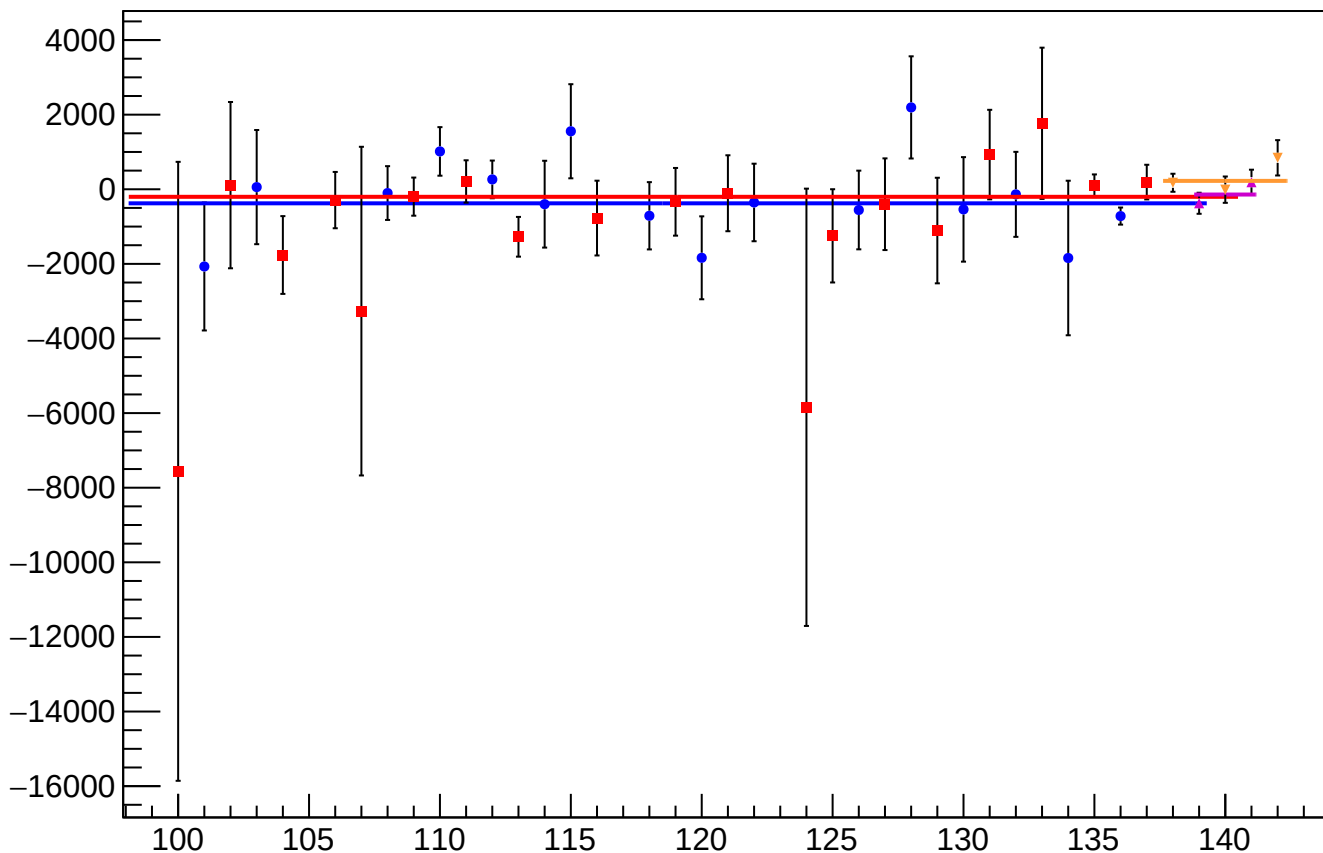
Left In: 1304.917 $\pm$ 0.701 χ^2 /NDF: 288.4/1

+ sign 1291.927 $\pm$ 0.304 χ^2 /NDF: 520466.2/18

All: 1295.337 $\pm$ 0.217 χ^2 /NDF: 848844.5/39

- sign 1298.852 $\pm$ 0.309 χ^2 /NDF: 328122.9/20

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: 224.901 ± 183.699 χ^2/NDF : 2.2/2

Right Out: -202.144 ± 169.377 χ^2/NDF : 14.0/18

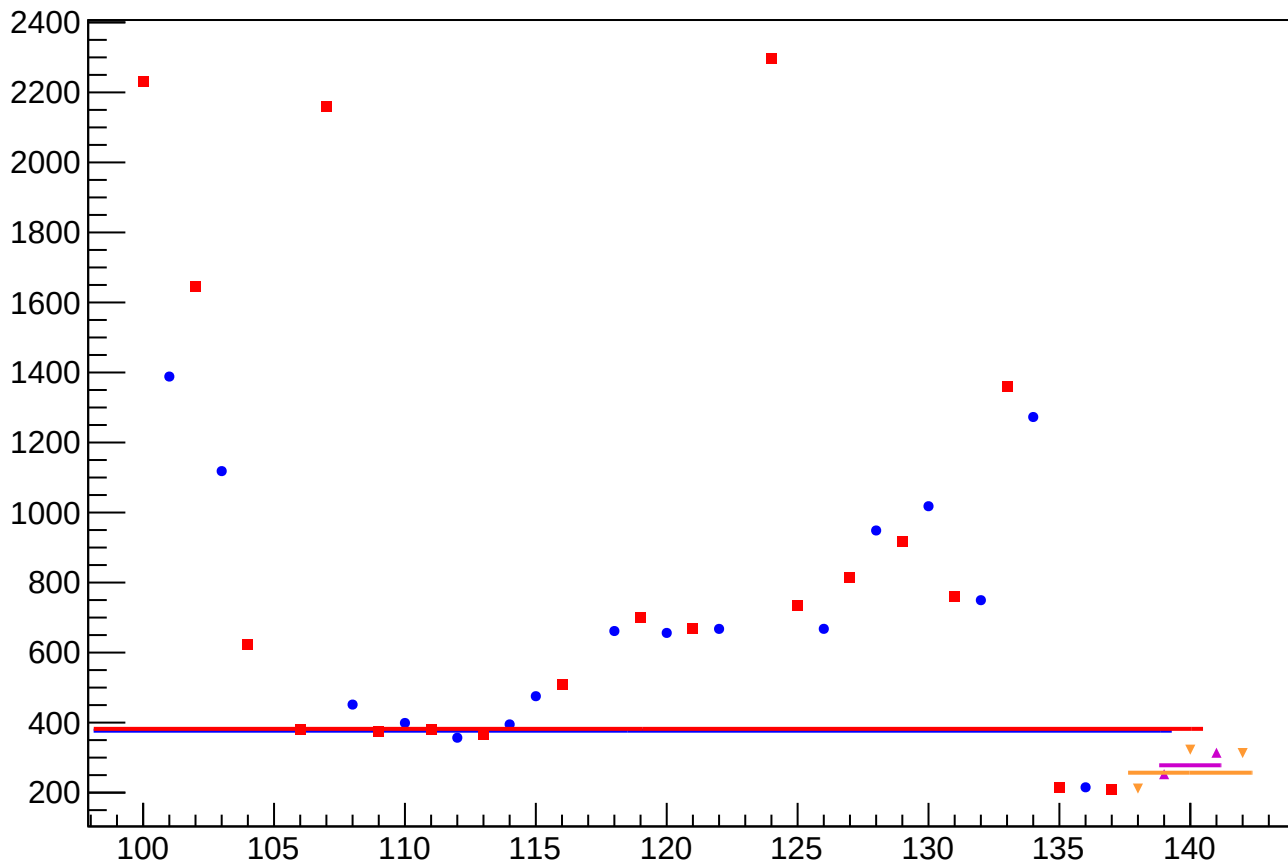
Left In: -141.120 ± 215.928 χ^2/NDF : 1.7/1

+ sign -102.342 ± 124.063 χ^2/NDF : 26.0/18

All: -137.885 ± 90.806 χ^2/NDF : 41.9/39

- sign -178.898 ± 133.269 χ^2/NDF : 15.8/20

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF : 4193328.0/15

Left Out: 256.898+/-0.130 χ^2/NDF :168067.0/2

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

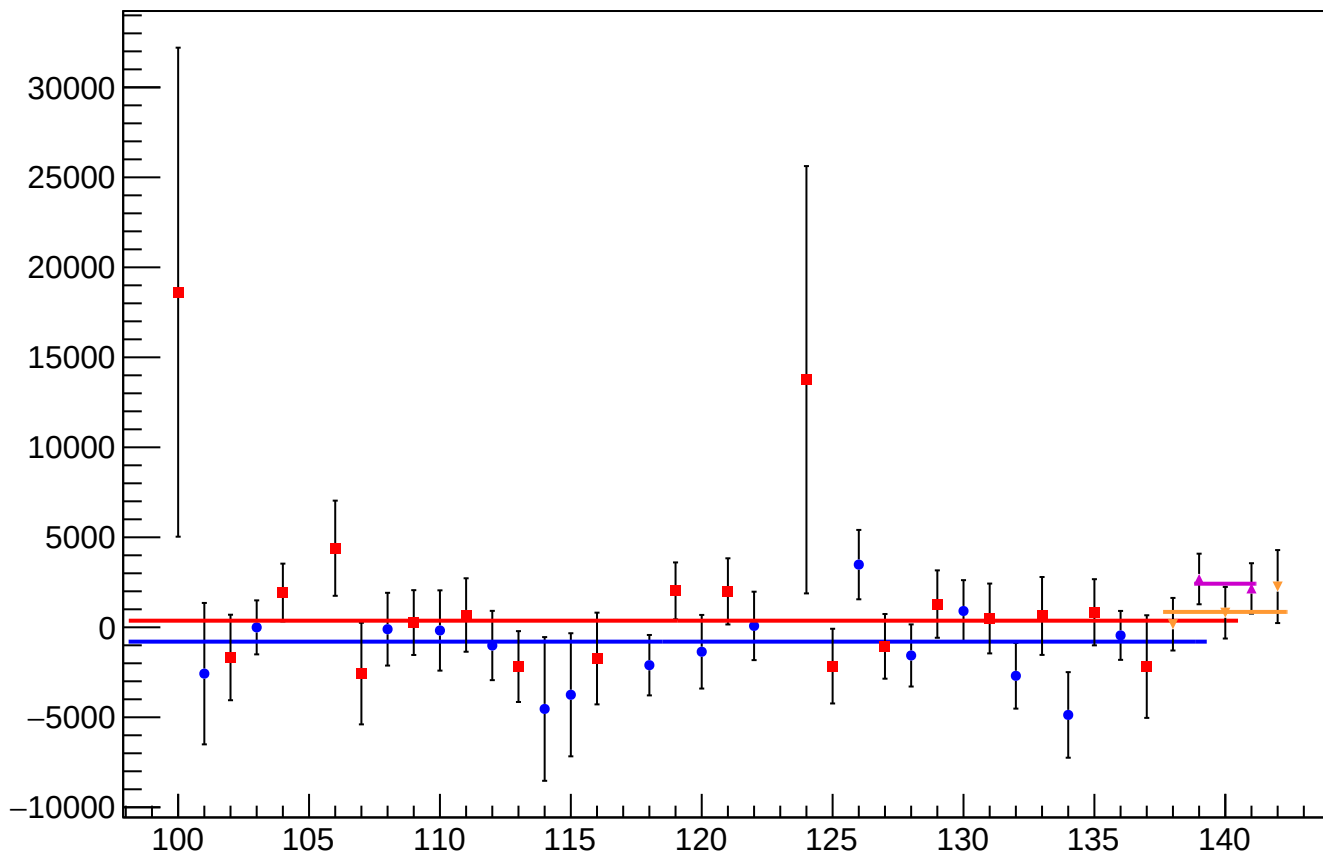
Left In: 278.092+/-0.153 χ^2/NDF :39169.8/1

+ sign 322.157+/-0.088 χ^2/NDF : 4825473.3/18

All: 331.603+/-0.064 χ^2/NDF : 9236687.2/39

- sign 342.503+/-0.094 χ^2/NDF : 4386239.7/20

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: 854.867 ± 913.422 χ^2/NDF : 0.7/2

Right Out: 367.476 ± 486.348 χ^2/NDF : 15.7/18

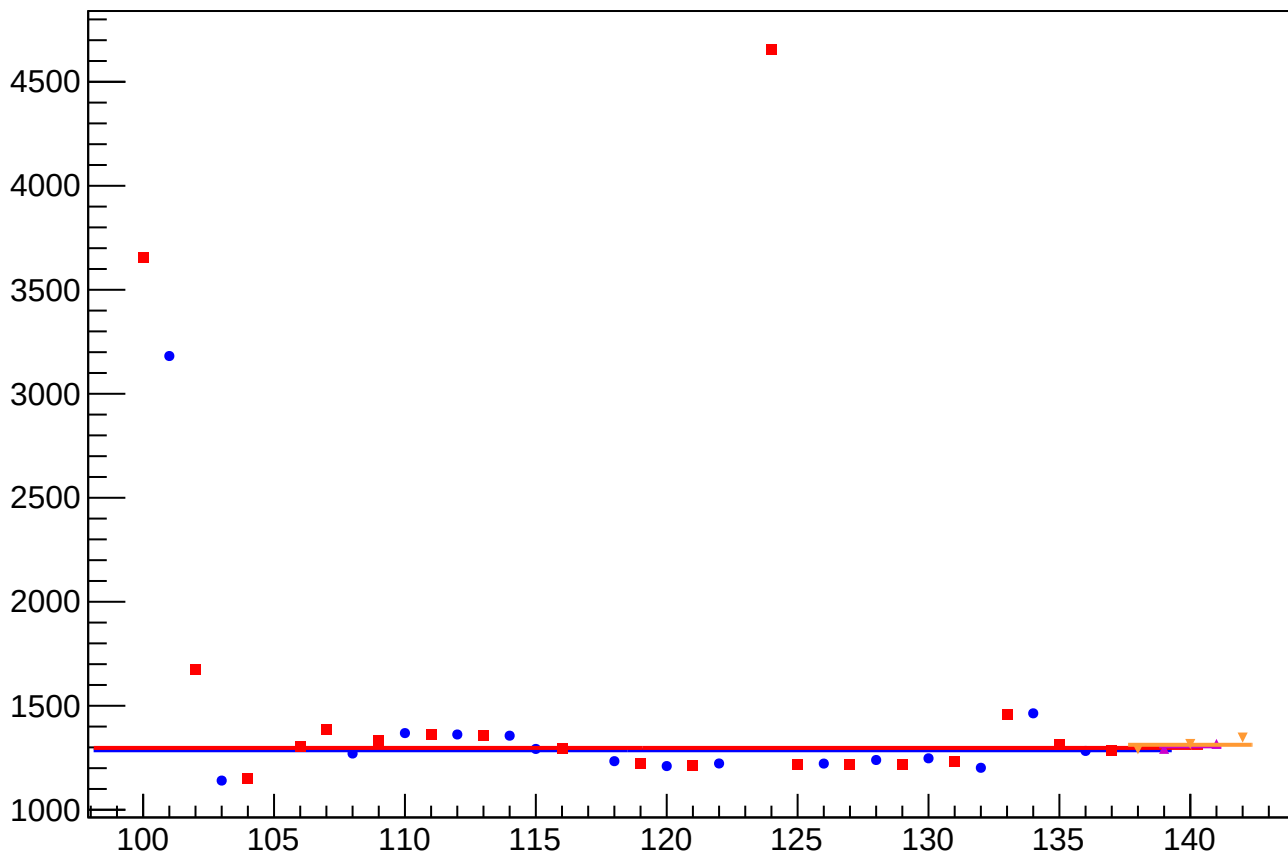
Left In: 2421.688 ± 991.779 χ^2/NDF : 0.1/1

+ sign -430.752 ± 430.048 χ^2/NDF : 16.7/18

All: 158.331 ± 306.405 χ^2/NDF : 39.7/39

- sign 765.697 ± 436.671 χ^2/NDF : 19.2/20

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: 1312.398 $\pm$ 0.646 χ^2 /NDF:1047.2/2

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

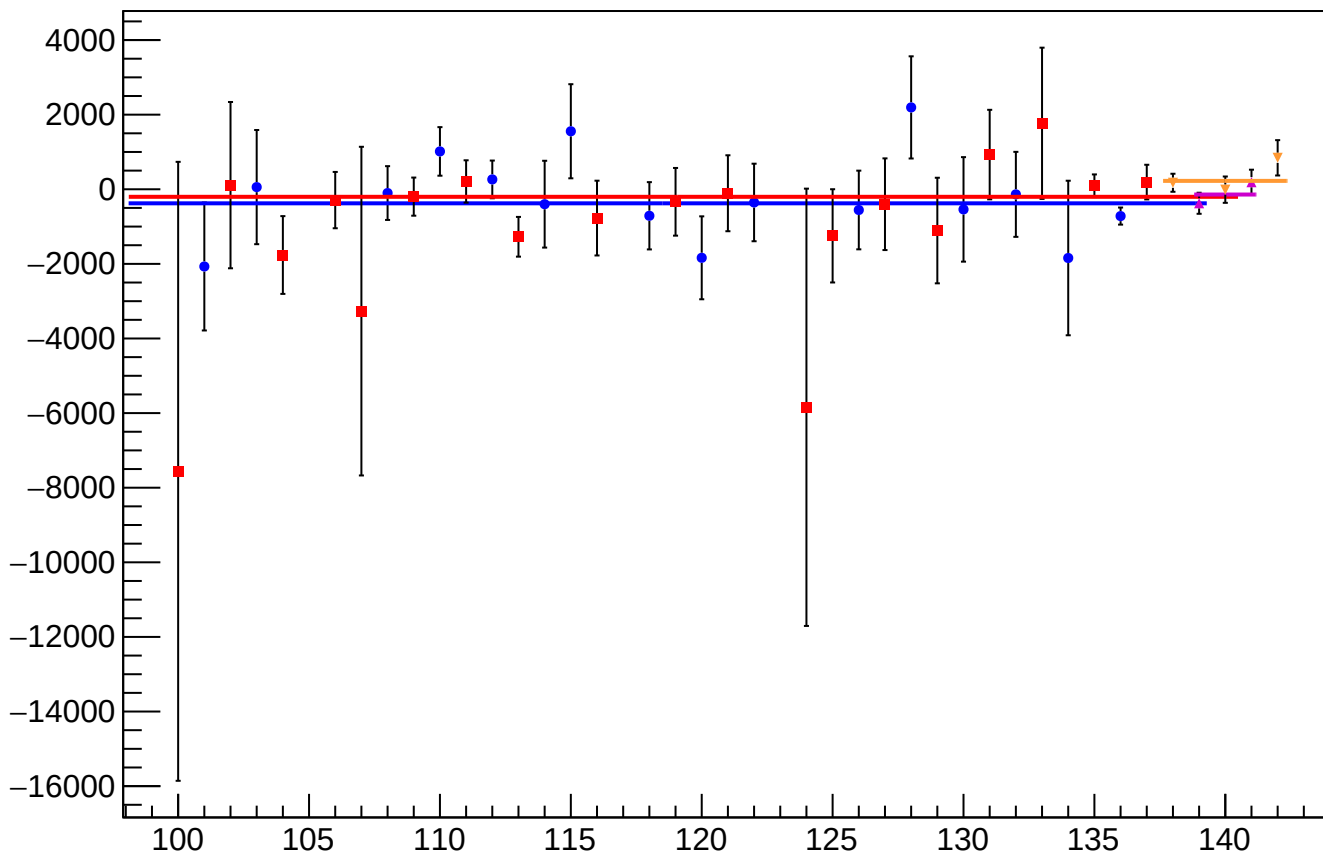
Left In: 1304.917 $\pm$ 0.701 χ^2 /NDF:288.4/1

+ sign 1291.927 $\pm$ 0.304 χ^2 /NDF: 520466.2/18

All: 1295.337 $\pm$ 0.217 χ^2 /NDF: 848844.5/39

- sign 1298.852 $\pm$ 0.309 χ^2 /NDF: 328122.9/20

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: 224.901 ± 183.699 χ^2/NDF : 2.2/2

Right Out: -202.144 ± 169.377 χ^2/NDF : 14.0/18

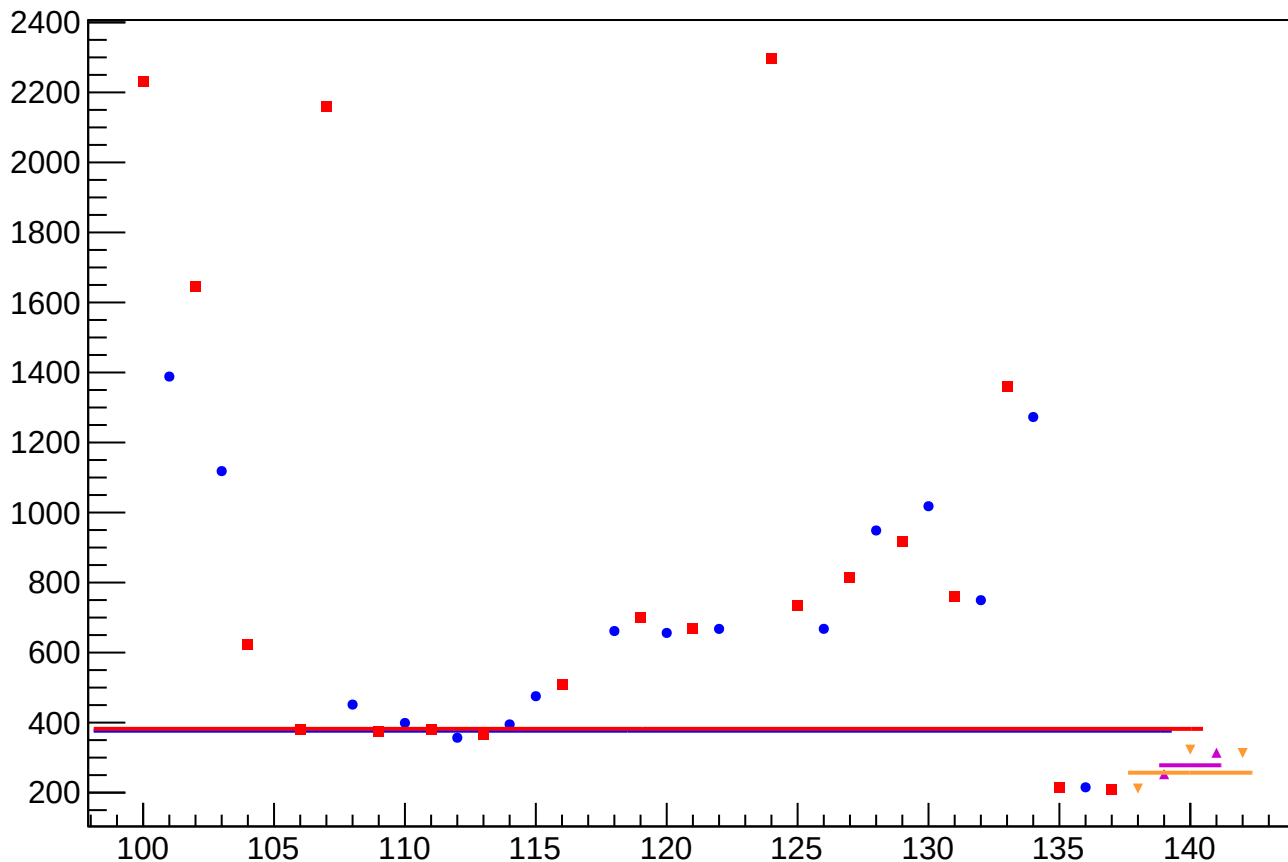
Left In: -141.120 ± 215.928 χ^2/NDF : 1.7/1

+ sign -102.342 ± 124.063 χ^2/NDF : 26.0/18

All: -137.885 ± 90.806 χ^2/NDF : 41.9/39

- sign -178.898 ± 133.269 χ^2/NDF : 15.8/20

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: 256.898+/-0.130 χ^2/NDF : 168067.0/2

Right Out: 382.136+/-0.120 χ^2/NDF : 4059600.2/18

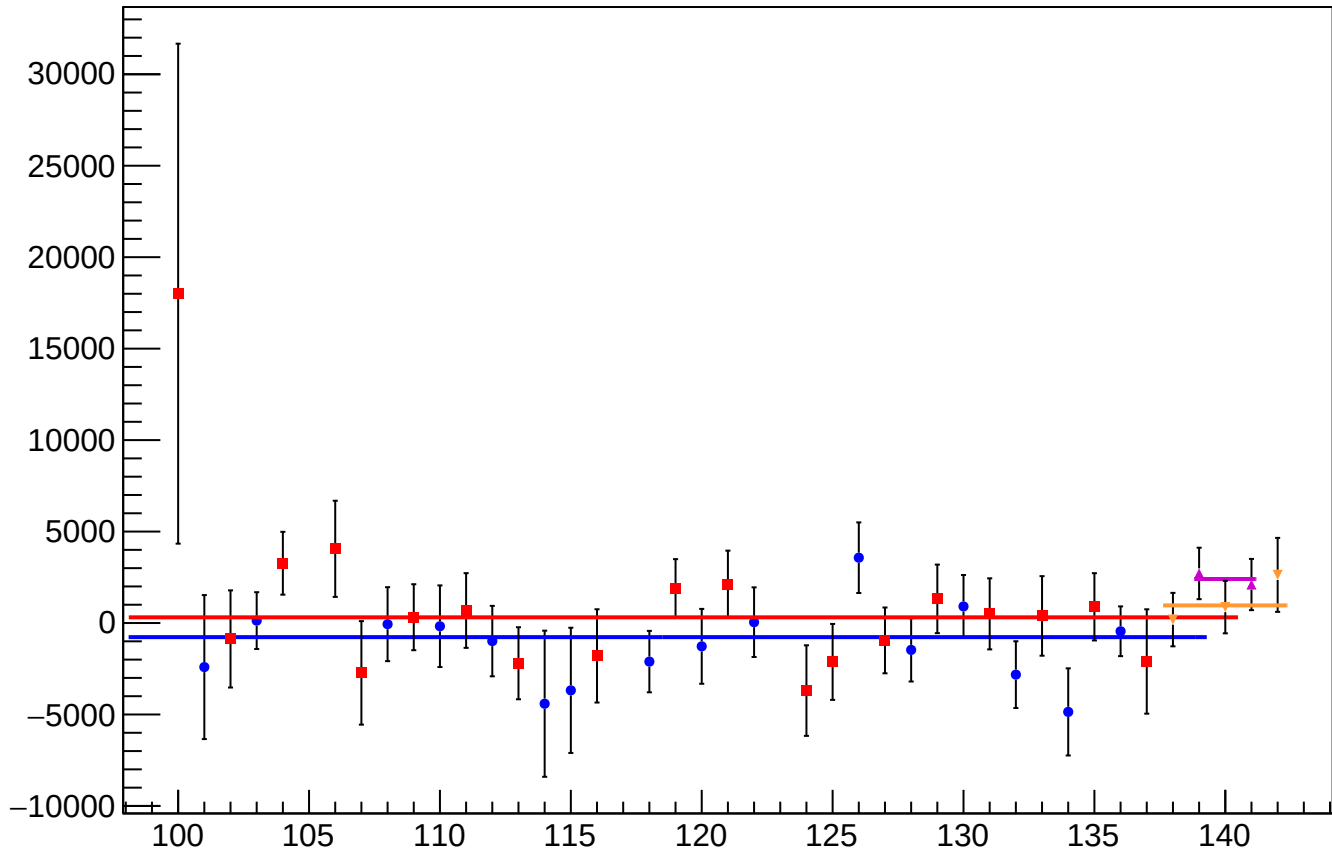
Left In: 278.092+/-0.153 χ^2/NDF : 39169.8/1

+ sign 322.157+/-0.088 χ^2/NDF : 4825473.3/18

All: 331.603+/-0.064 χ^2/NDF : 9236687.2/39

- sign 342.503+/-0.094 χ^2/NDF : 4386239.7/20

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499 ± 489.602 χ^2/NDF : 13.6/15

Left Out: 963.452 ± 913.258 χ^2/NDF : 1.0/2

Right Out: 311.418 ± 482.642 χ^2/NDF : 17.9/18

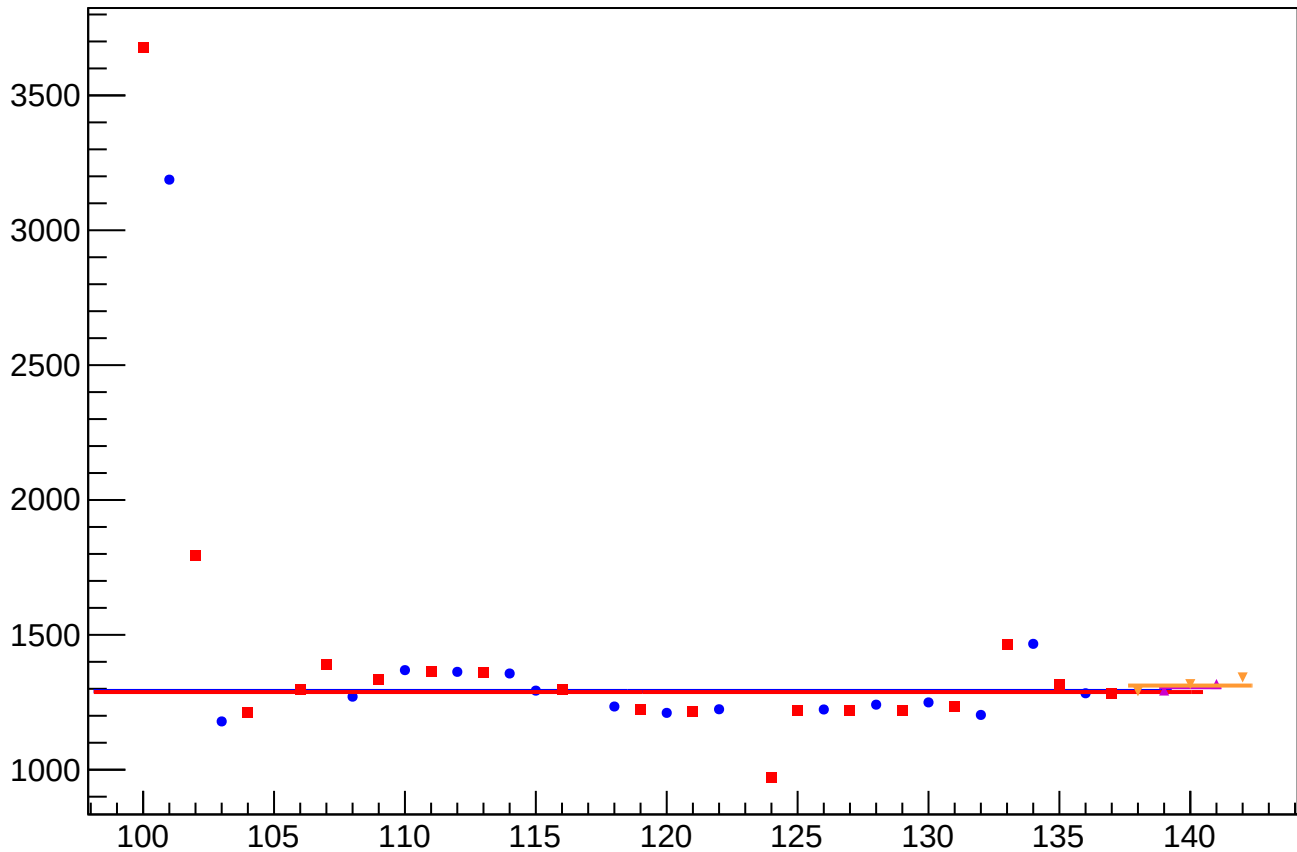
Left In: 2406.569 ± 992.473 χ^2/NDF : 0.1/1

+ sign -384.178 ± 431.504 χ^2/NDF : 17.4/18

All: 160.767 ± 306.012 χ^2/NDF : 42.2/39

- sign 712.135 ± 434.040 χ^2/NDF : 21.6/20

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: 1312.020 $\pm$ 0.646 χ^2 /NDF: 889.4/2

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209208.8/18

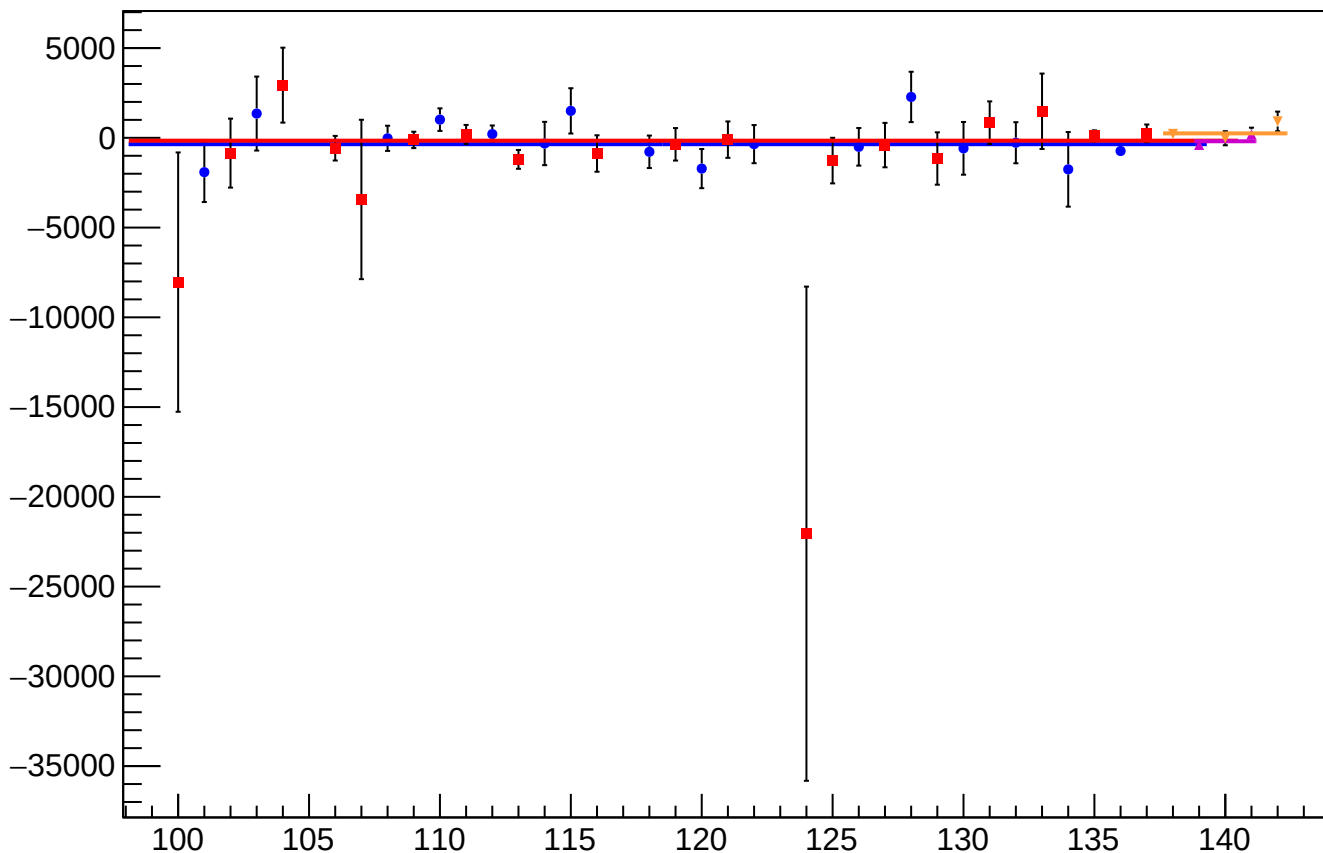
Left In: 1305.816 $\pm$ 0.702 χ^2 /NDF: 295.2/1

+ sign 1296.499 $\pm$ 0.305 χ^2 /NDF: 511039.4/18

All: 1293.963 $\pm$ 0.216 χ^2 /NDF: 721204.3/39

- sign 1291.398 $\pm$ 0.307 χ^2 /NDF: 210025.9/20

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: 247.947 ± 193.660 χ^2/NDF : 2.0/2

Right Out: -157.924 ± 169.665 χ^2/NDF : 15.8/18

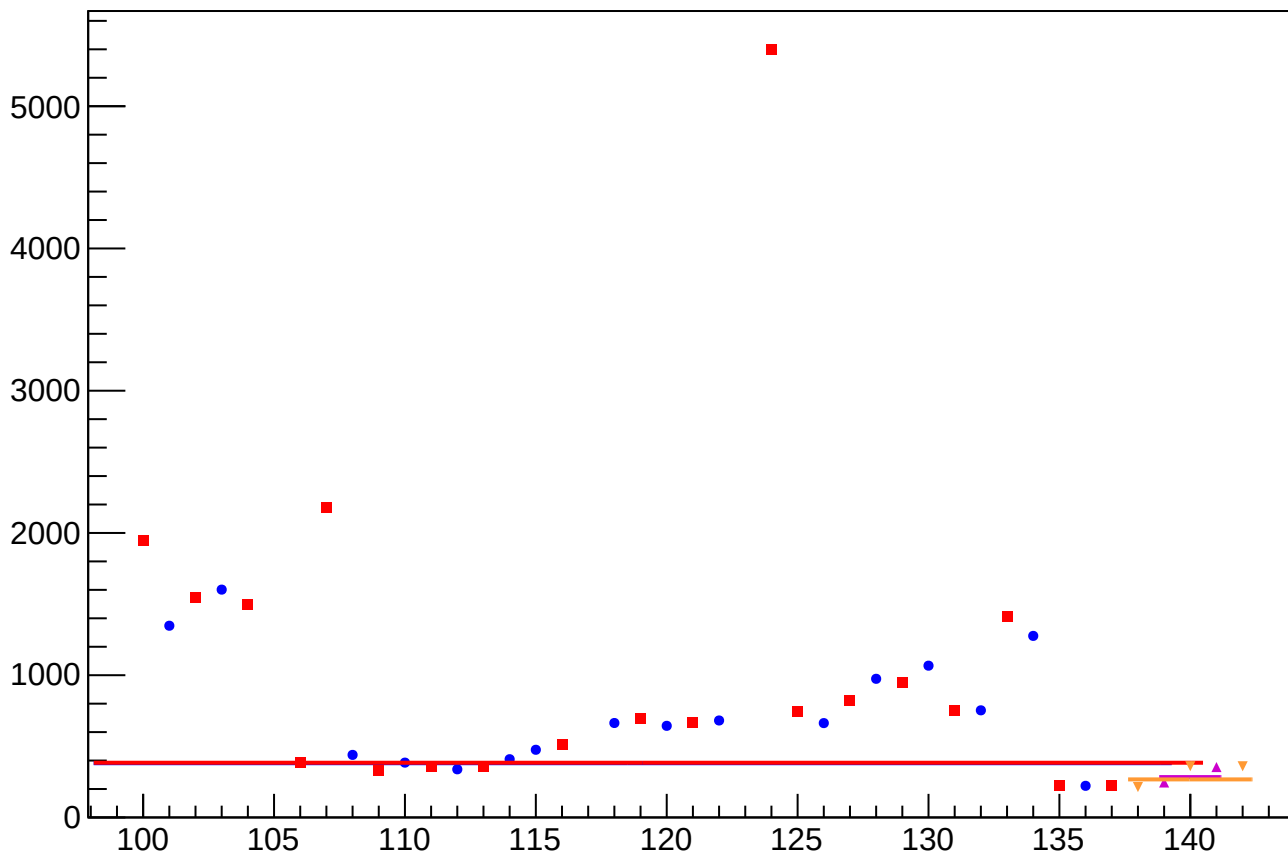
Left In: -191.190 ± 223.357 χ^2/NDF : 1.6/1

+ sign -92.768 ± 127.746 χ^2/NDF : 25.9/18

All: -129.269 ± 92.823 χ^2/NDF : 43.5/39

- sign -170.095 ± 135.106 χ^2/NDF : 17.4/20

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: 267.504+/-0.137 χ^2/NDF : 265674.6/2

Right Out: 384.651+/-0.120 χ^2/NDF : 4560208.6/18

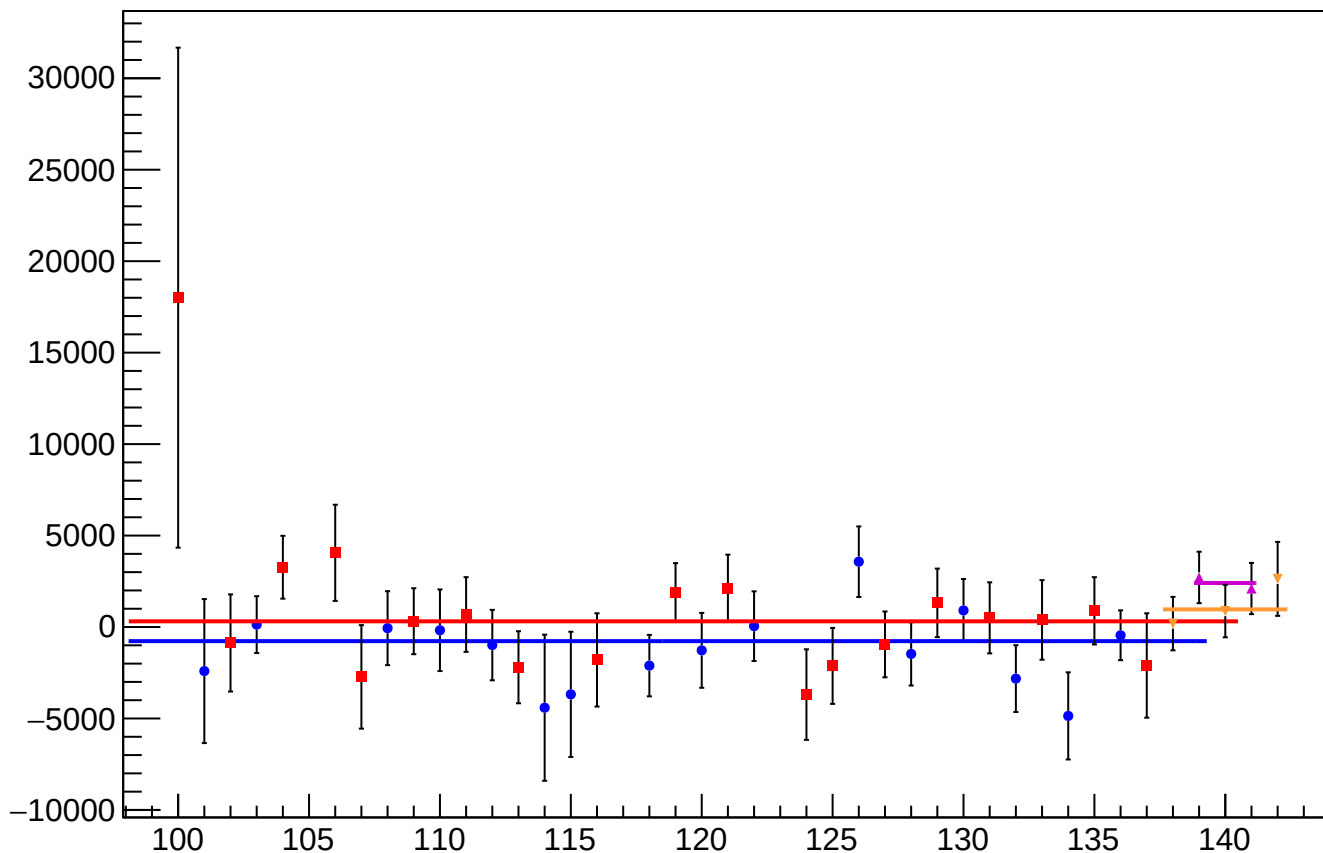
Left In: 283.807+/-0.158 χ^2/NDF : 107020.9/1

+ sign 331.812+/-0.090 χ^2/NDF : 4974016.5/18

All: 339.336+/-0.066 χ^2/NDF : 9914466.7/39

- sign 347.753+/-0.096 χ^2/NDF : 4925749.1/20

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF : 13.6/15

Left Out: 963.458+/-913.258 χ^2/NDF : 1.0/2

Right Out: 311.419+/-482.642 χ^2/NDF : 17.9/18

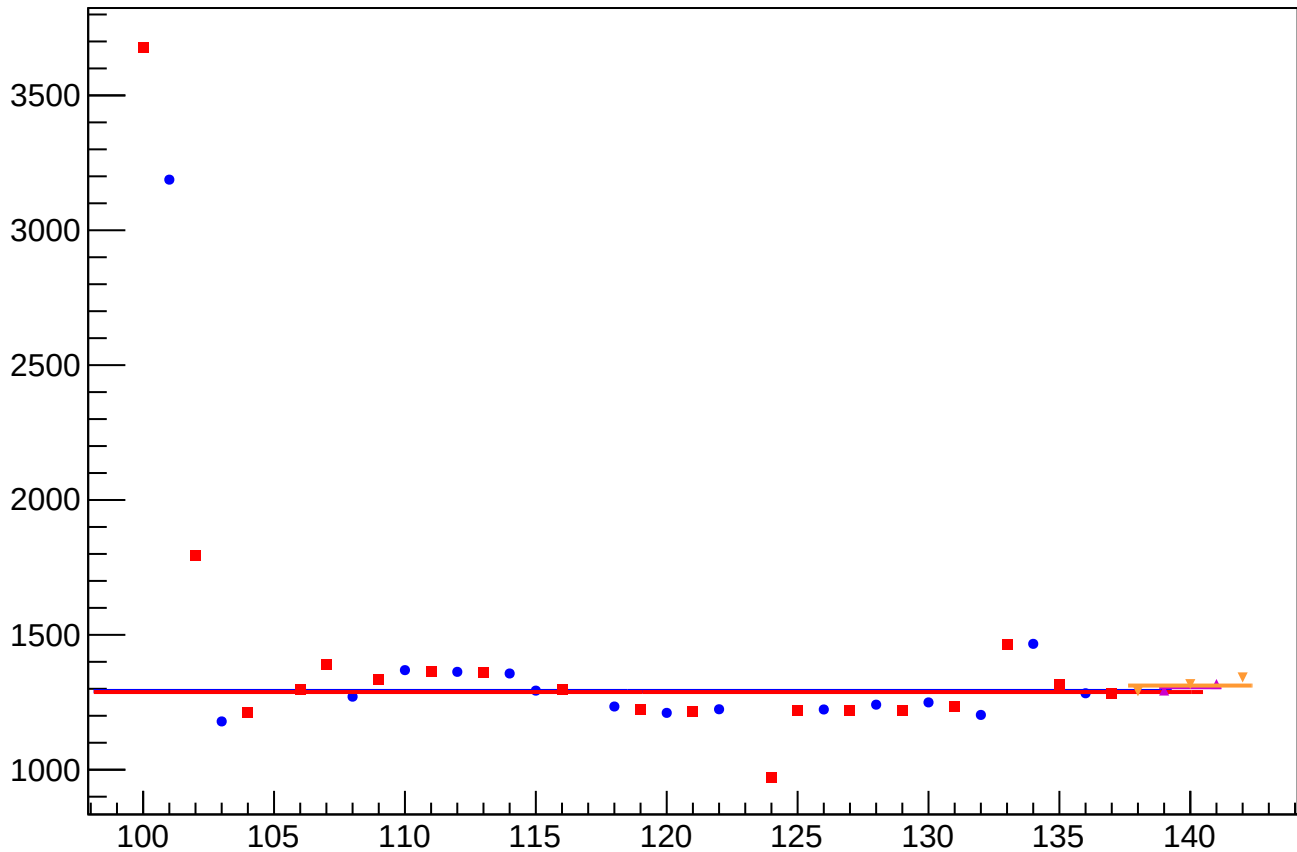
Left In: 2406.560+/-992.473 χ^2/NDF : 0.1/1

+ sign -384.179+/-431.504 χ^2/NDF : 17.4/18

All: 160.766+/-306.012 χ^2/NDF : 42.2/39

- sign 712.135+/-434.040 χ^2/NDF : 21.6/20

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: 1312.020 $\pm$ 0.646 χ^2 /NDF: 889.4/2

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209209.1/18

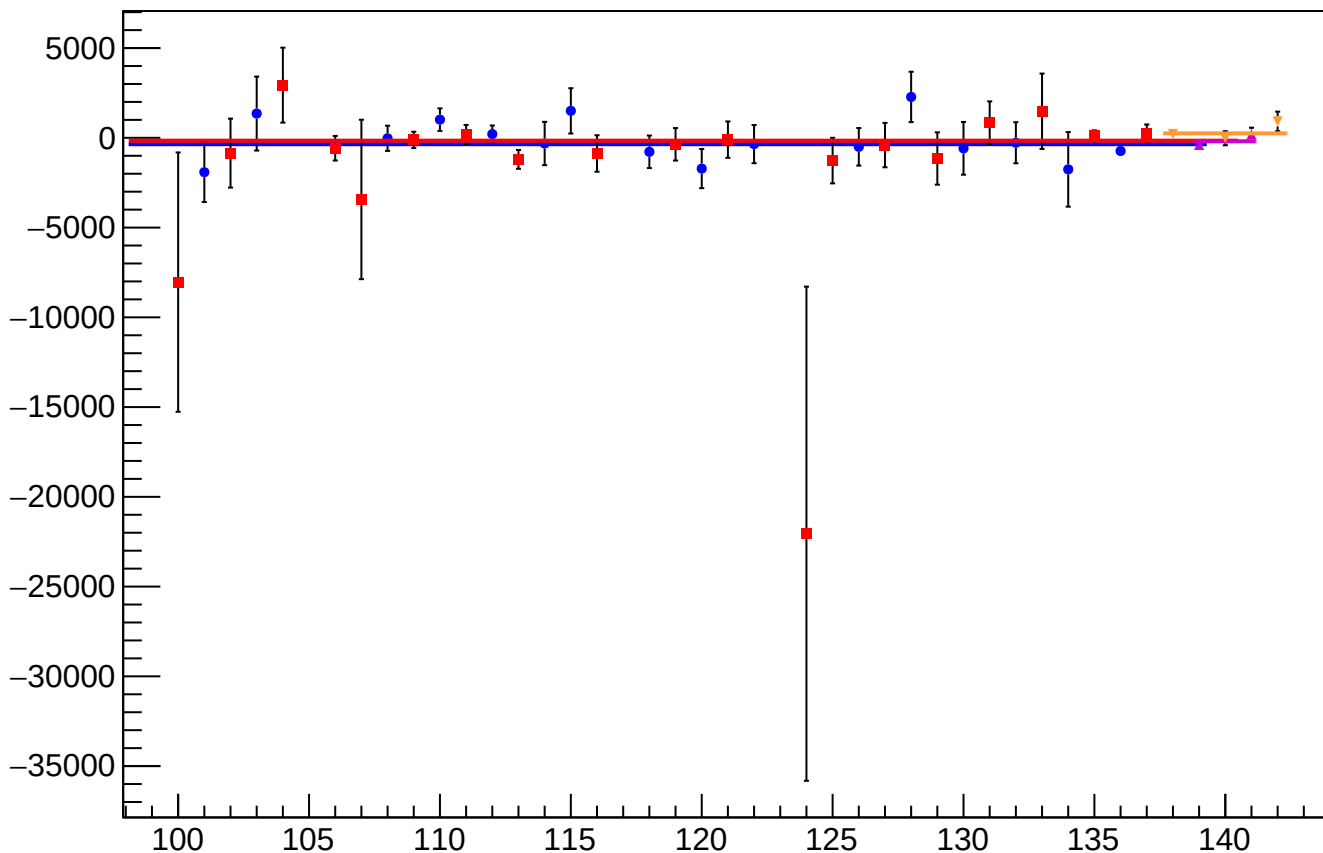
Left In: 1305.816 $\pm$ 0.702 χ^2 /NDF: 295.2/1

+ sign 1296.499 $\pm$ 0.305 χ^2 /NDF: 511039.4/18

All: 1293.963 $\pm$ 0.216 χ^2 /NDF: 721204.6/39

- sign 1291.398 $\pm$ 0.307 χ^2 /NDF: 210026.2/20

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: 247.959 ± 193.668 χ^2/NDF : 2.0/2

Right Out: -157.929 ± 169.667 χ^2/NDF : 15.8/18

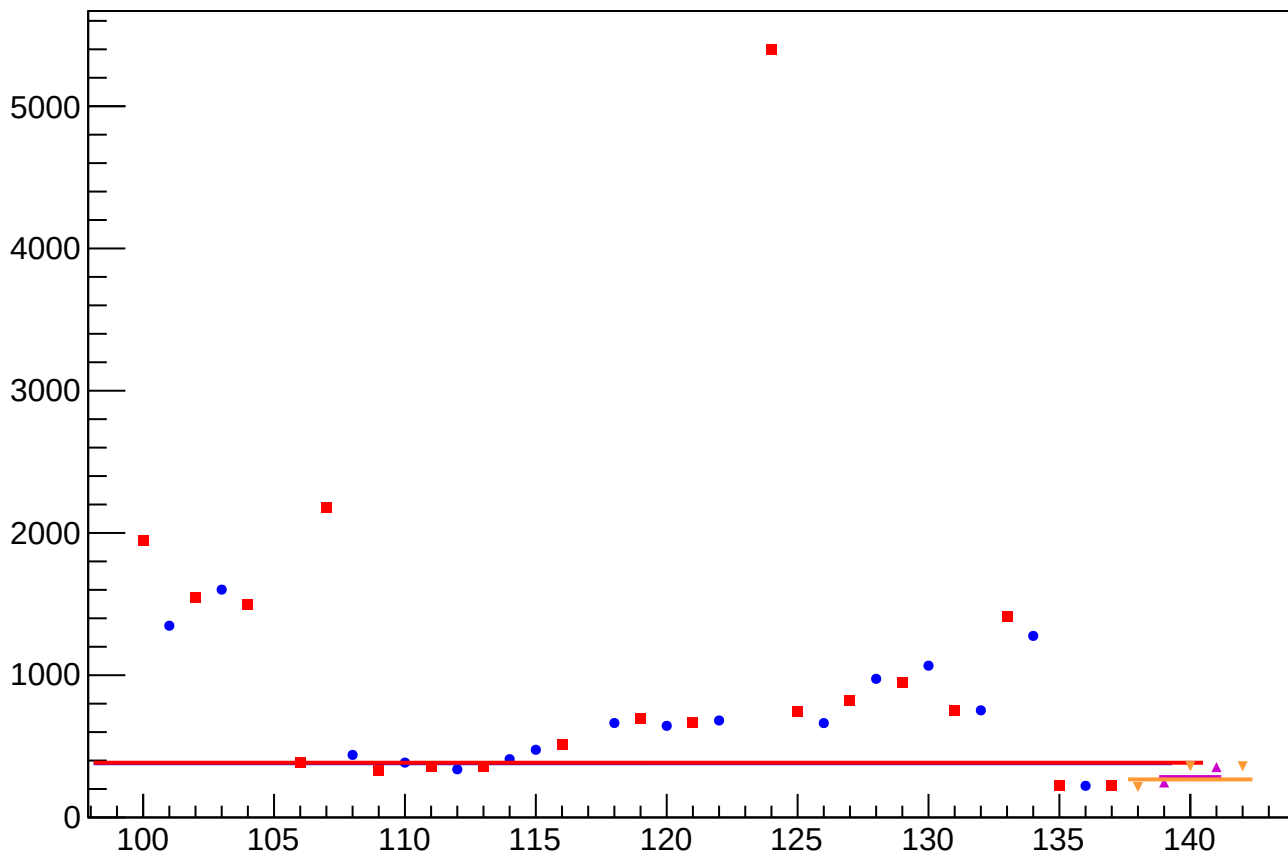
Left In: -191.194 ± 223.367 χ^2/NDF : 1.6/1

+ sign -92.771 ± 127.750 χ^2/NDF : 25.9/18

All: -129.272 ± 92.826 χ^2/NDF : 43.5/39

- sign -170.100 ± 135.109 χ^2/NDF : 17.4/20

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: 267.517+/-0.137 χ^2/NDF : 265626.9/2

Right Out: 384.658+/-0.120 χ^2/NDF : 4560068.3/18

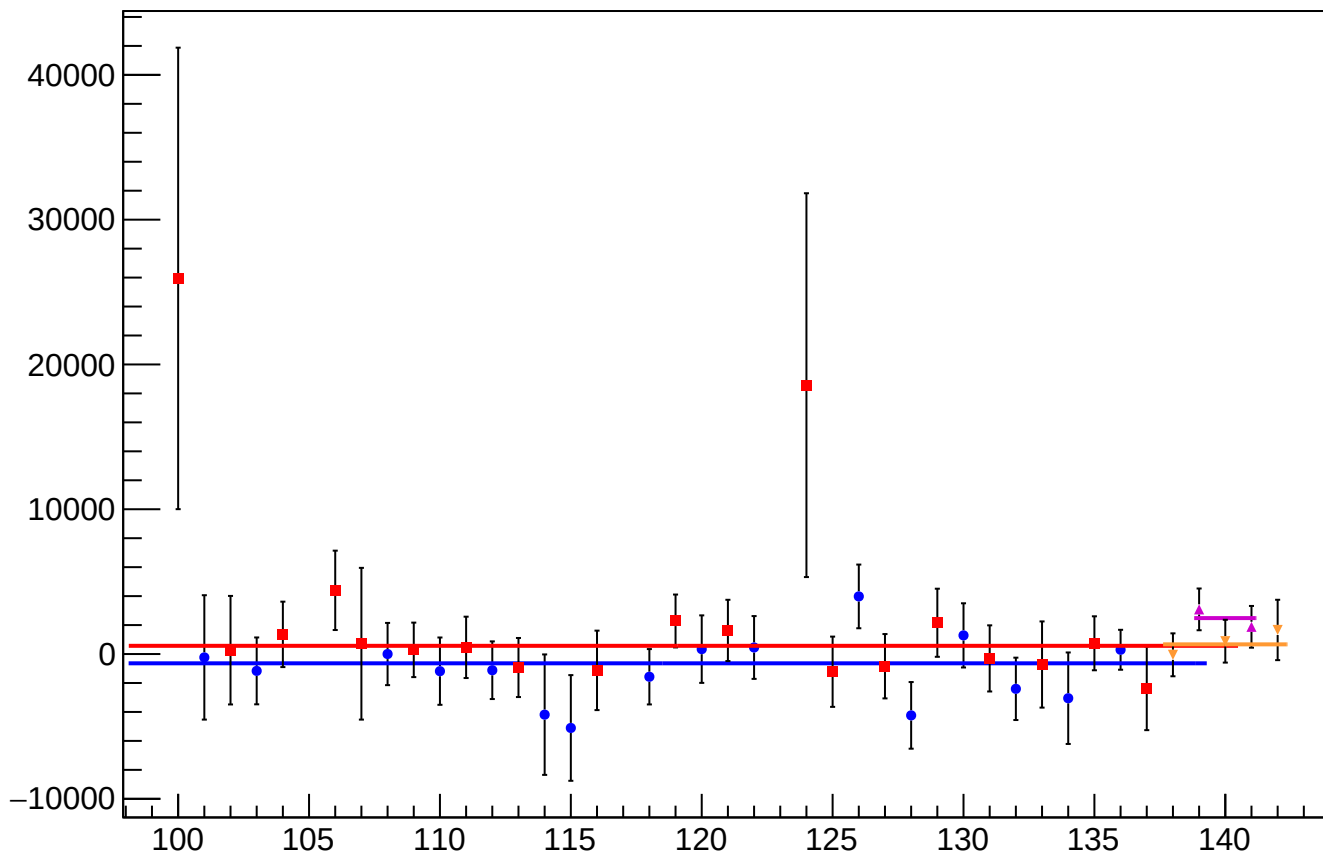
Left In: 283.821+/-0.158 χ^2/NDF : 106991.7/1

+ sign 331.825+/-0.090 χ^2/NDF : 4973736.0/18

All: 339.349+/-0.066 χ^2/NDF : 9913965.6/39

- sign 347.765+/-0.096 χ^2/NDF : 4925532.0/20

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824 ± 564.366 χ^2/NDF : 12.5/15

Left Out: 668.200 ± 935.151 χ^2/NDF : 0.5/2

Right Out: 567.254 ± 566.774 χ^2/NDF : 11.3/18

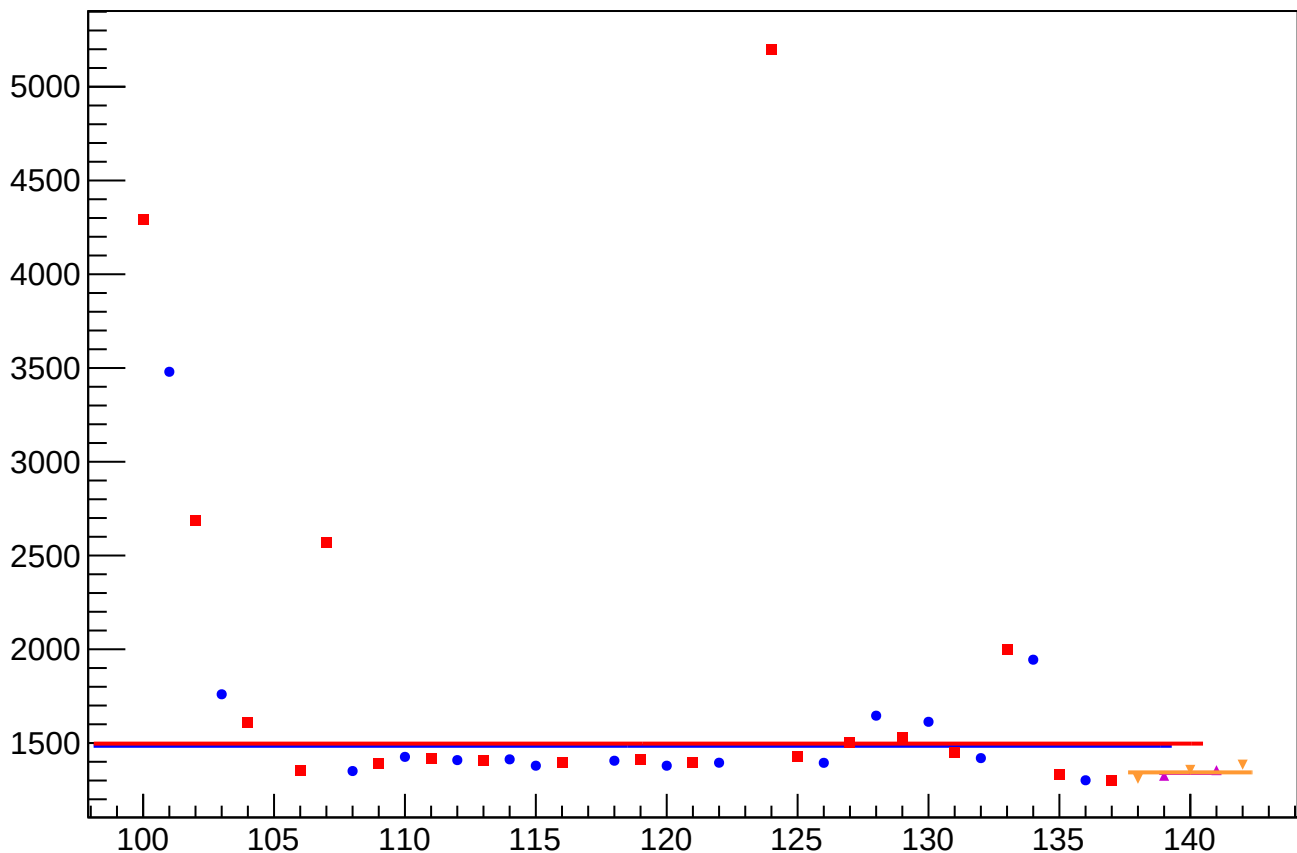
Left In: 2481.984 ± 1018.961 χ^2/NDF : 0.3/1

+ sign -291.343 ± 483.191 χ^2/NDF : 14.4/18

All: 347.934 ± 345.872 χ^2/NDF : 32.4/39

- sign 1019.677 ± 495.308 χ^2/NDF : 14.4/20

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF : 584470.1/15

Left Out: 1343.446+/-0.661 χ^2/NDF : 2012.8/2

Right Out: 1496.865+/-0.401 χ^2/NDF : 623292.7/18

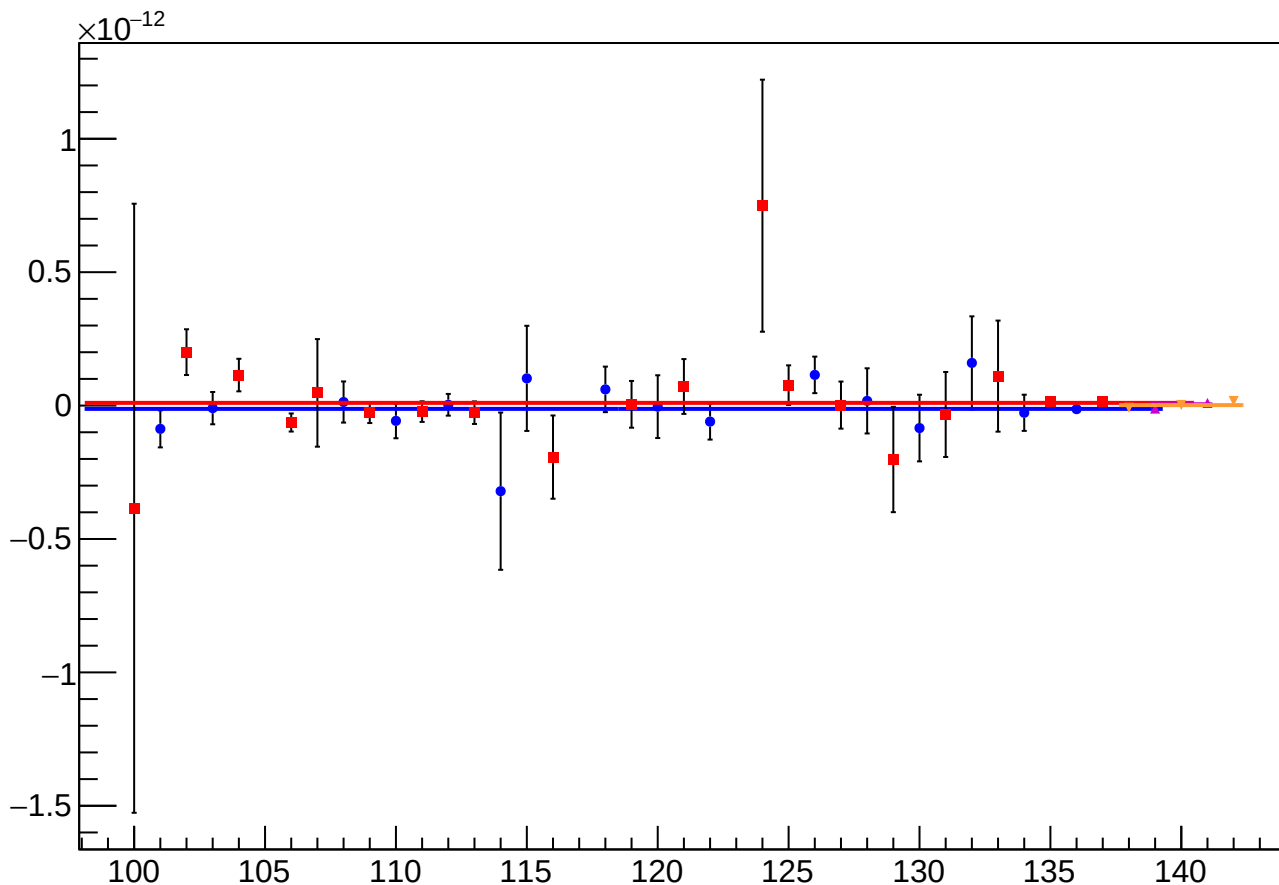
Left In: 1340.532+/-0.721 χ^2/NDF : 427.7/1

+ sign 1447.480+/-0.342 χ^2/NDF : 620250.2/18

All: 1453.549+/-0.245 χ^2/NDF : 1280571.9/39

- sign 1459.926+/-0.350 χ^2/NDF : 659674.6/20

asym_atl1r2_dd_atl2r1_dd_avg_reg_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 : 3.2/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 22.3/18

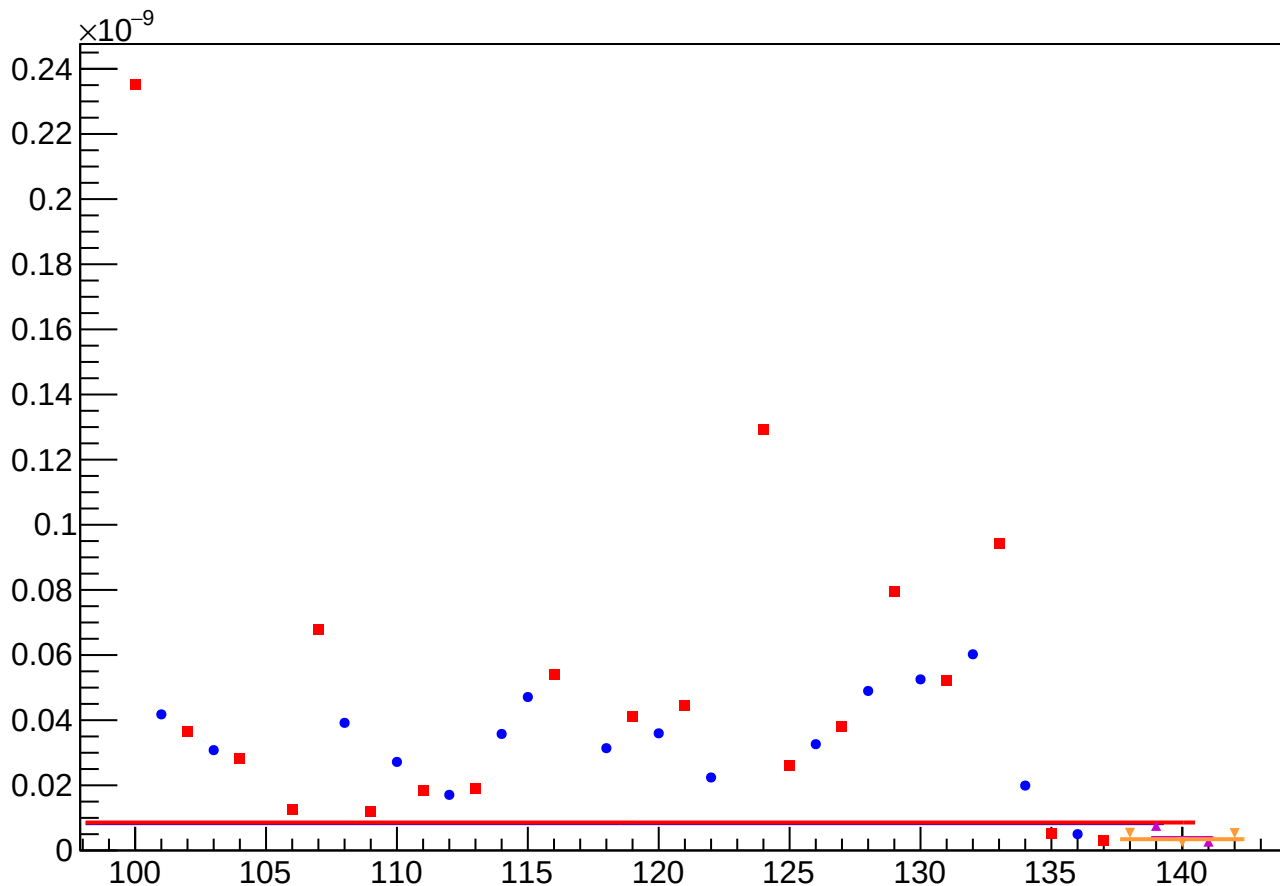
Left In: 0.000 ± 0.000 χ^2/NDF : 2.9/1

+ sign -0.000 ± 0.000 χ^2/NDF : 15.5/18

All: 0.000 ± 0.000 χ^2/NDF : 43.0/39

- sign 0.000 ± 0.000 χ^2/NDF : 25.5/20

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 :231006.4/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3348571.5/18

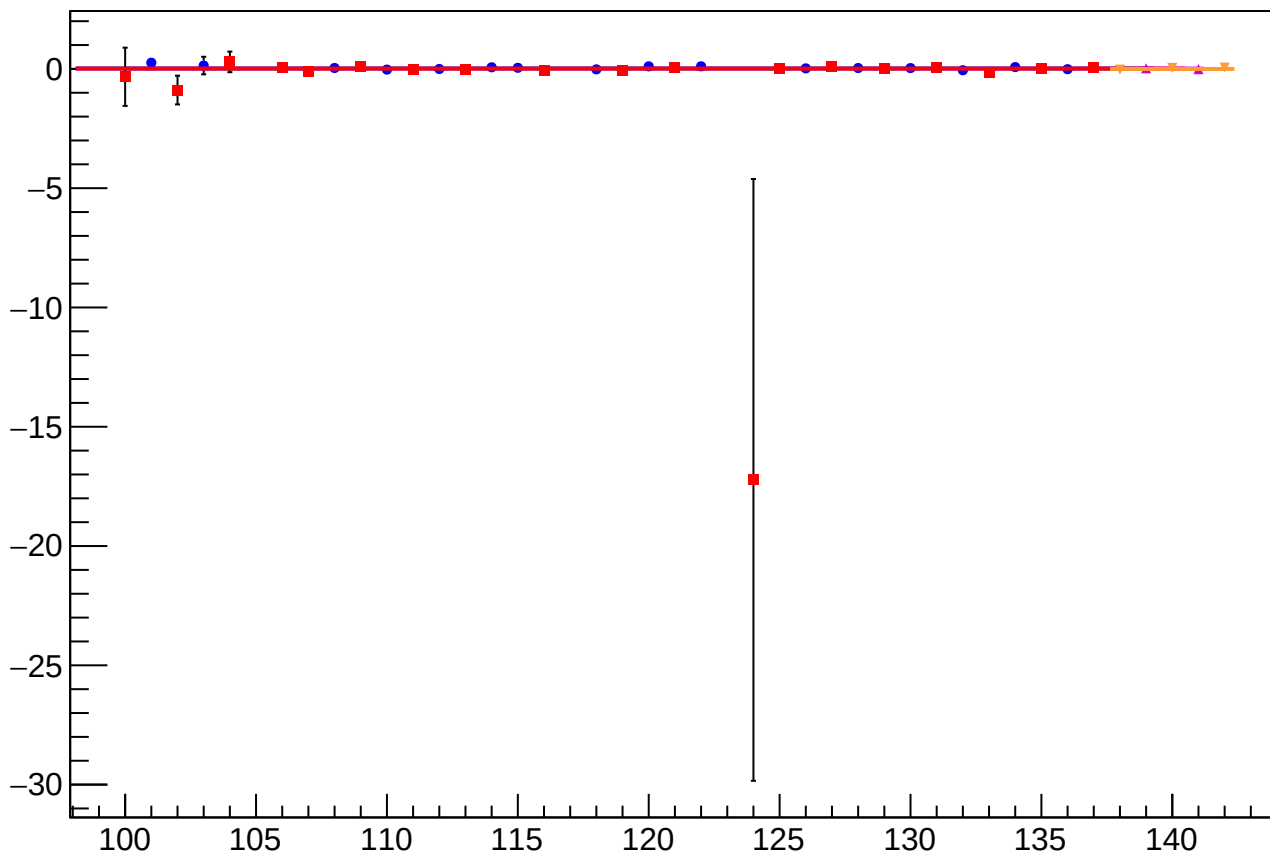
Left In: 0.000+/-0.000 χ^2/NDF :314996.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3973929.5/18

All: 0.000+/-0.000 χ^2/NDF : 8163403.2/39

- sign 0.000+/-0.000 χ^2/NDF : 4161537.7/20

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.003 $\pm$ 0.022 χ^2 /NDF: 2.7/2

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

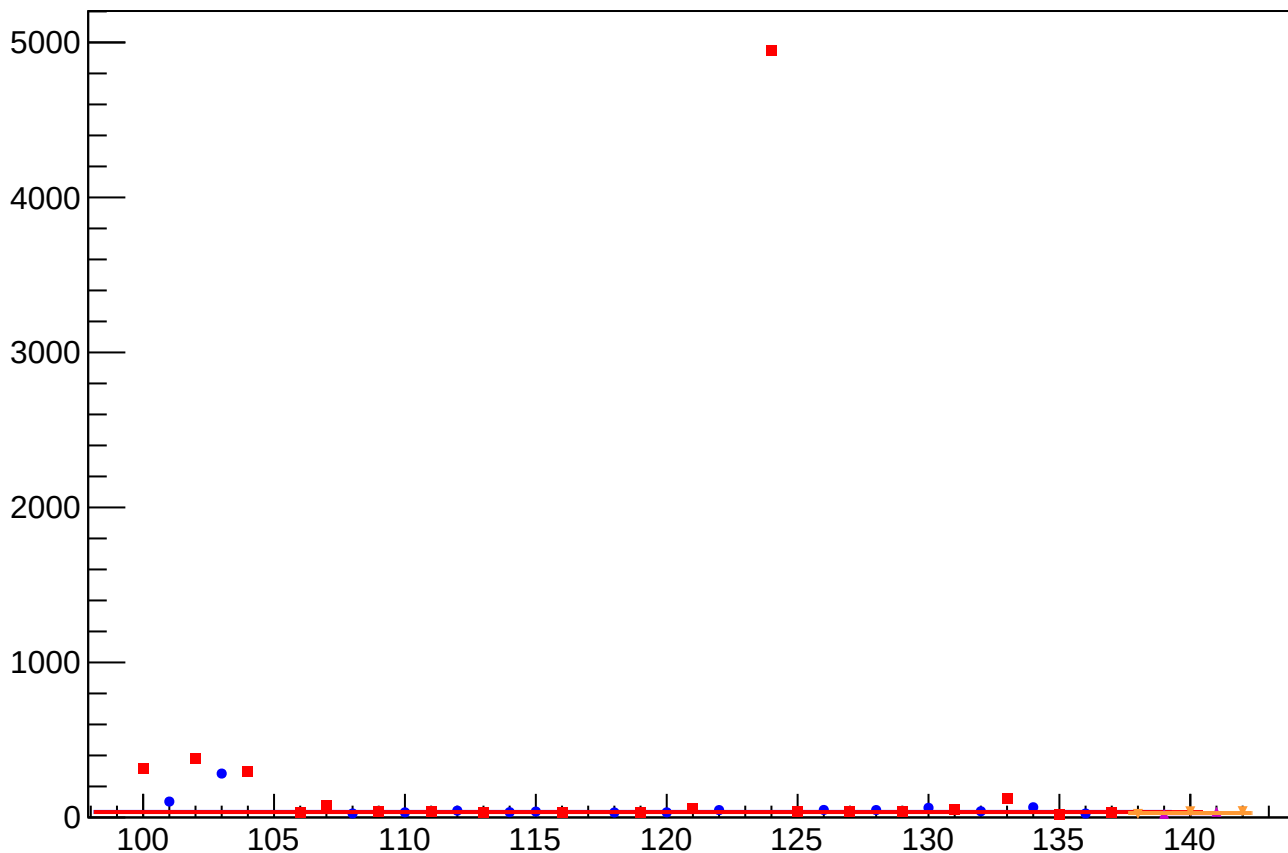
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.010 $\pm$ 0.013 χ^2 /NDF: 14.7/18

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 31.2/39

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

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: 28.564 $\pm$ 0.016 χ^2 /NDF: 272597.1/2

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

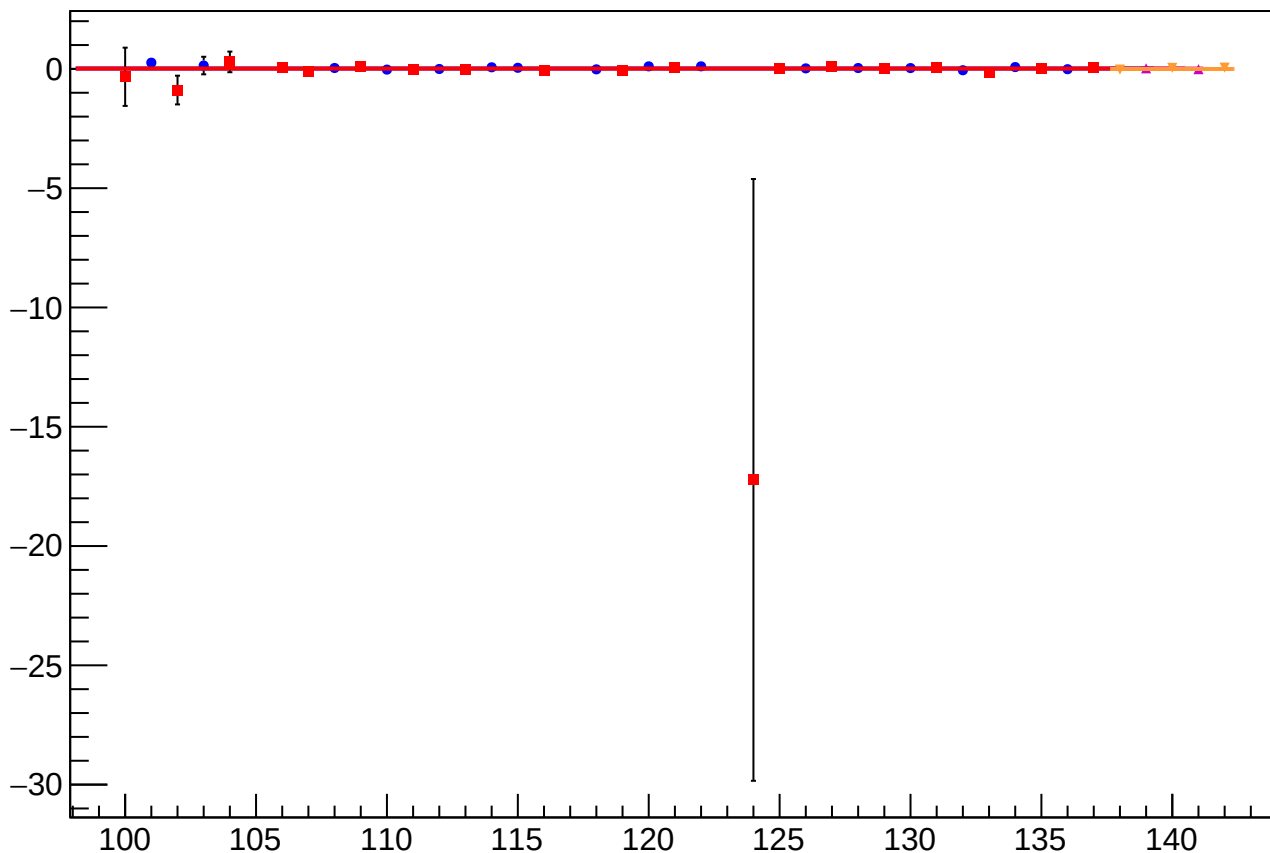
Left In: 27.832 $\pm$ 0.017 χ^2 /NDF: 137553.8/1

+ sign 33.401 $\pm$ 0.009 χ^2 /NDF: 2678202.9/18

All: 33.085 $\pm$ 0.006 χ^2 /NDF: 5849605.9/39

- sign 32.745 $\pm$ 0.009 χ^2 /NDF: 3168816.5/20

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.003 $\pm$ 0.022 χ^2 /NDF: 2.7/2

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

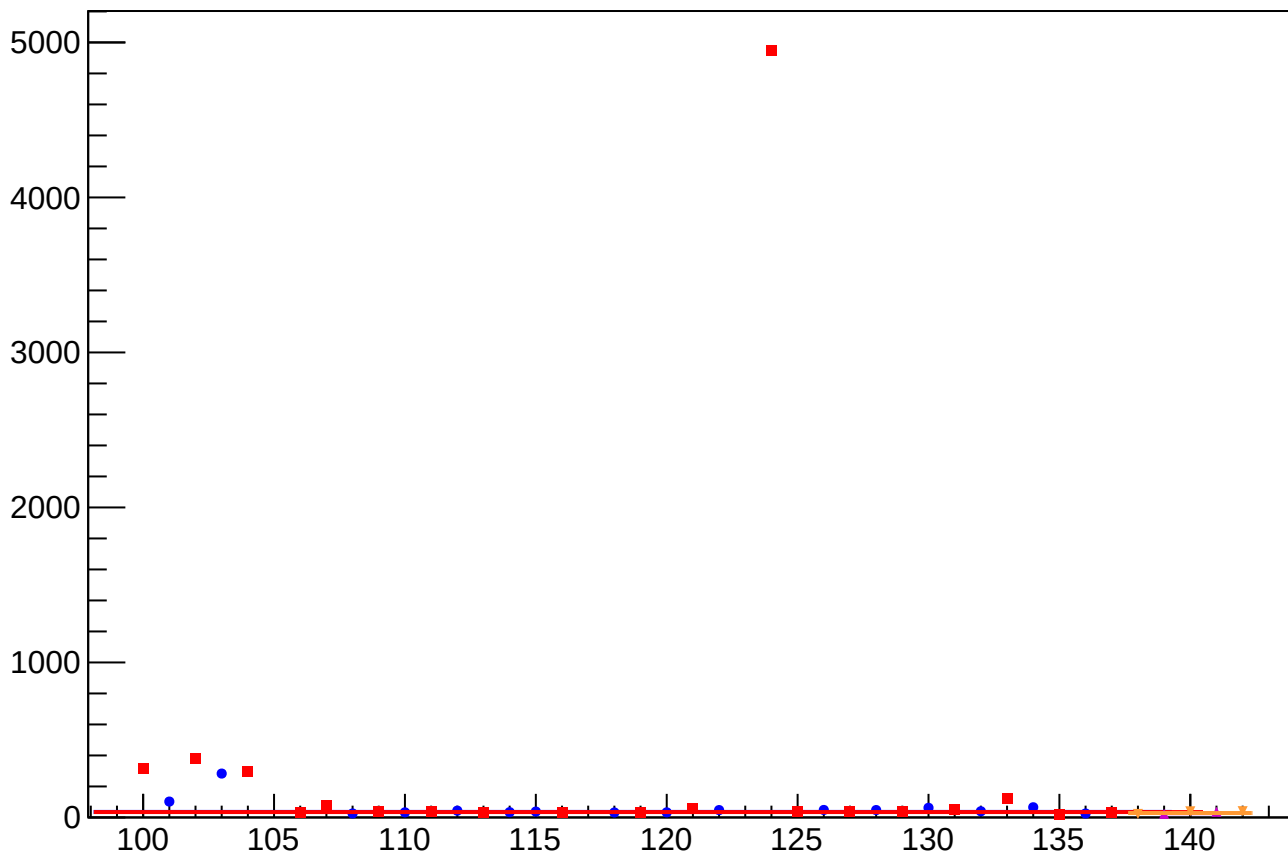
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.010 $\pm$ 0.013 χ^2 /NDF: 14.7/18

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 31.2/39

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

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: 28.564 $\pm$ 0.016 χ^2 /NDF: 272597.1/2

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

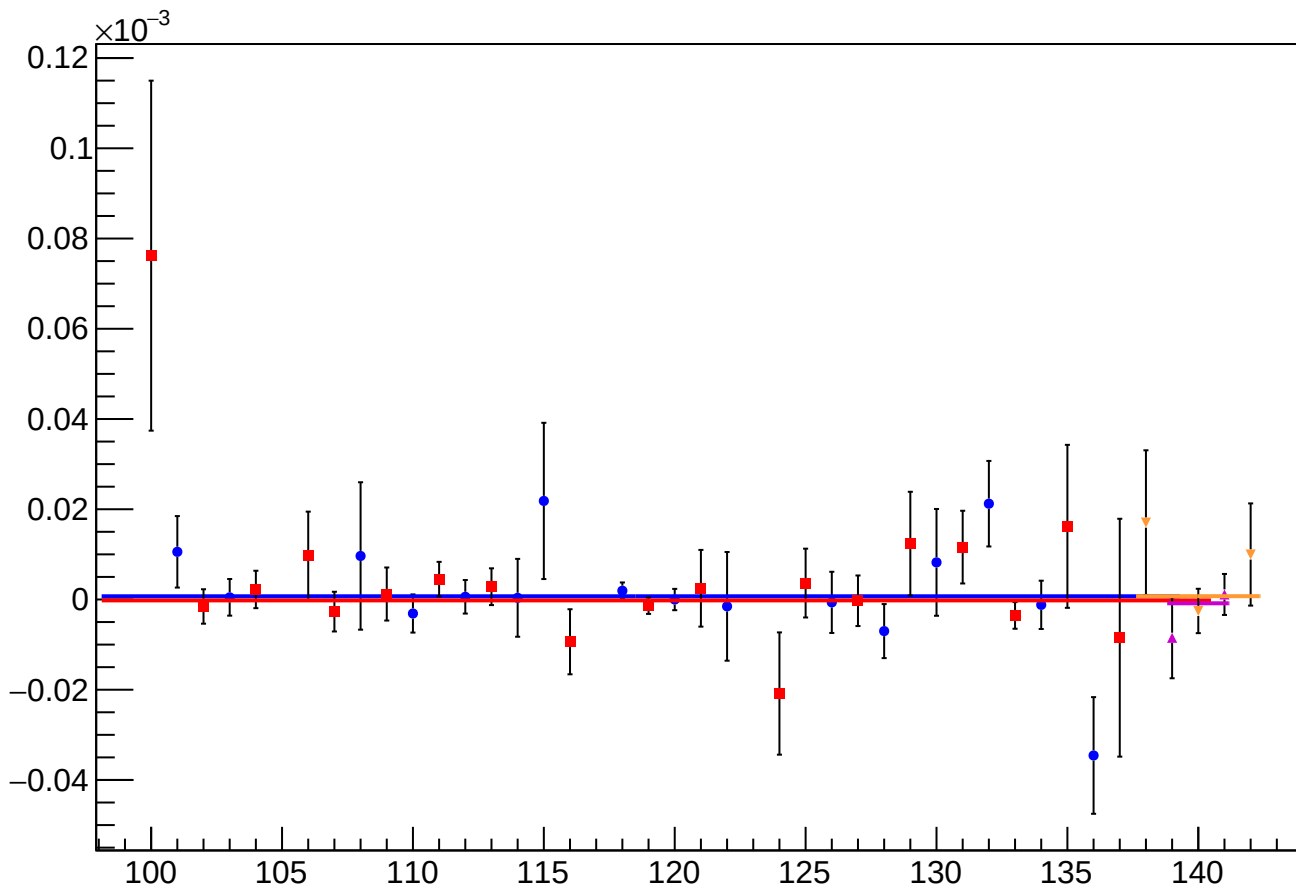
Left In: 27.832 $\pm$ 0.017 χ^2 /NDF: 137553.8/1

+ sign 33.401 $\pm$ 0.009 χ^2 /NDF: 2678202.9/18

All: 33.085 $\pm$ 0.006 χ^2 /NDF: 5849605.9/39

- sign 32.745 $\pm$ 0.009 χ^2 /NDF: 3168816.5/20

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: 2.1/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/18

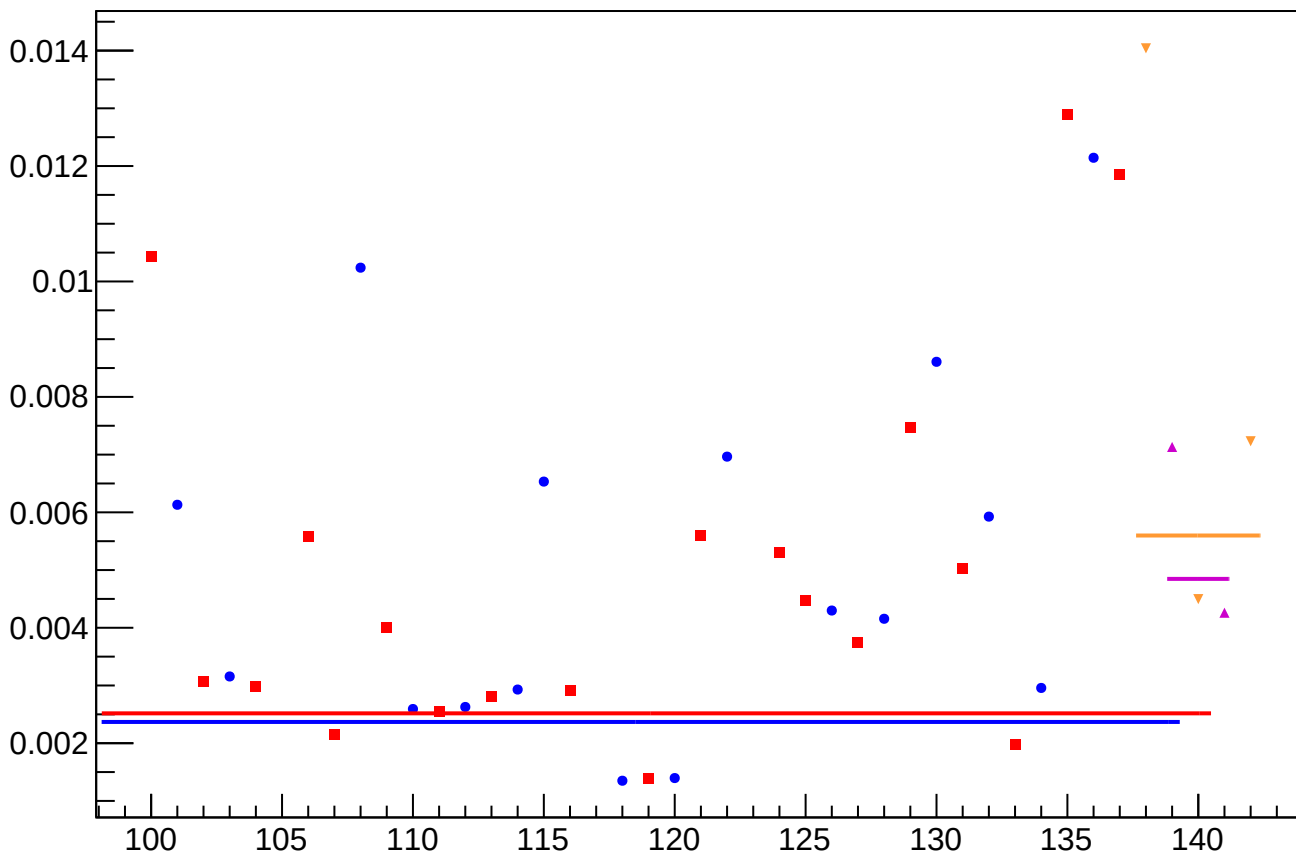
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 40.7/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/20

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4721602.1/15

Left Out: 0.006+/-0.000 χ^2/NDF : 696638.7/2

Right Out: 0.003+/-0.000 χ^2/NDF : 3397462.9/18

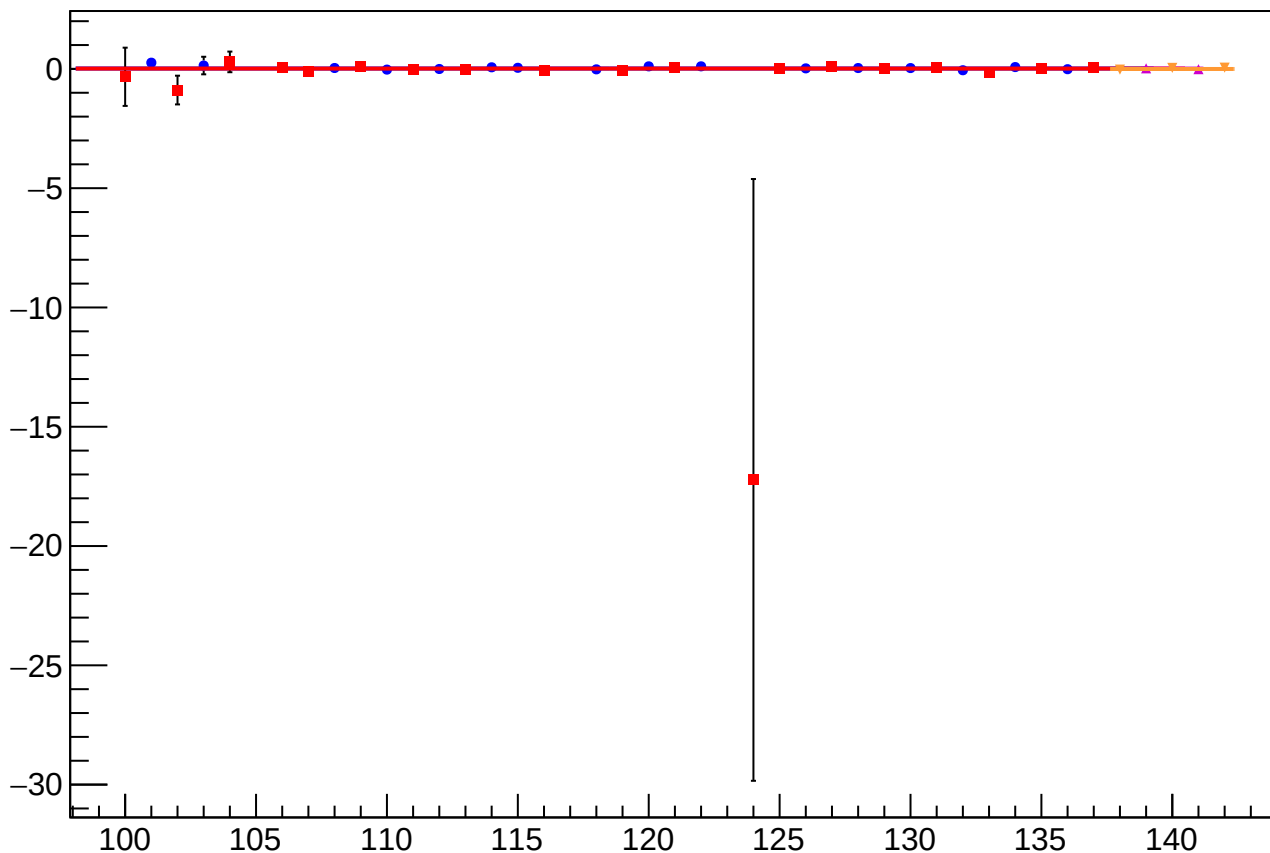
Left In: 0.005+/-0.000 χ^2/NDF : 163119.1/1

+ sign 0.003+/-0.000 χ^2/NDF : 6457716.1/18

All: 0.003+/-0.000 χ^2/NDF : 10645806.3/39

- sign 0.003+/-0.000 χ^2/NDF : 4178584.2/20

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: -0.003 $\pm$ 0.022 χ^2 /NDF: 2.7/2

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

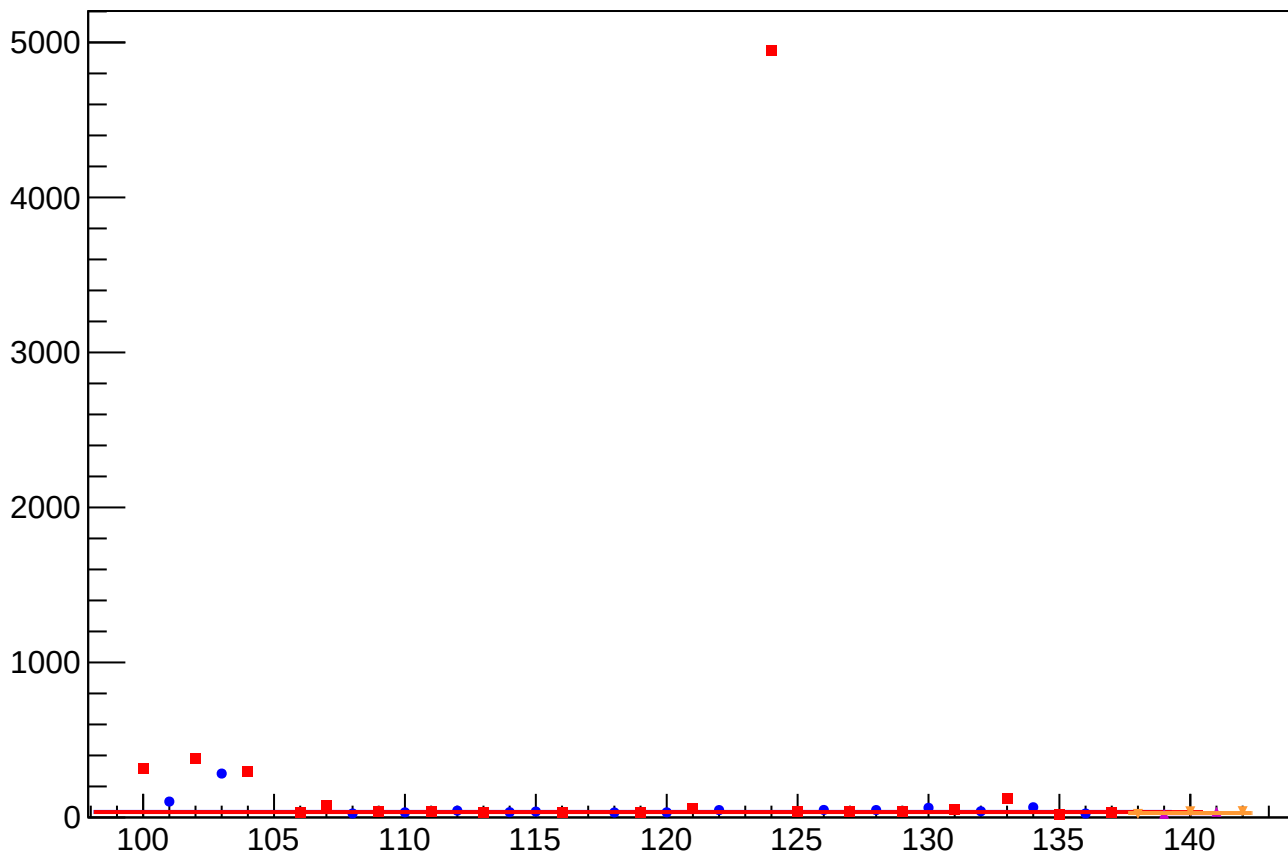
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.010 $\pm$ 0.013 χ^2 /NDF: 14.7/18

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 31.2/39

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743 $\pm$ 0.011 χ^2 /NDF: 2264513.9/15

Left Out: 28.563 $\pm$ 0.016 χ^2 /NDF: 272748.3/2

Right Out: 34.798 $\pm$ 0.011 χ^2 /NDF: 2913962.5/18

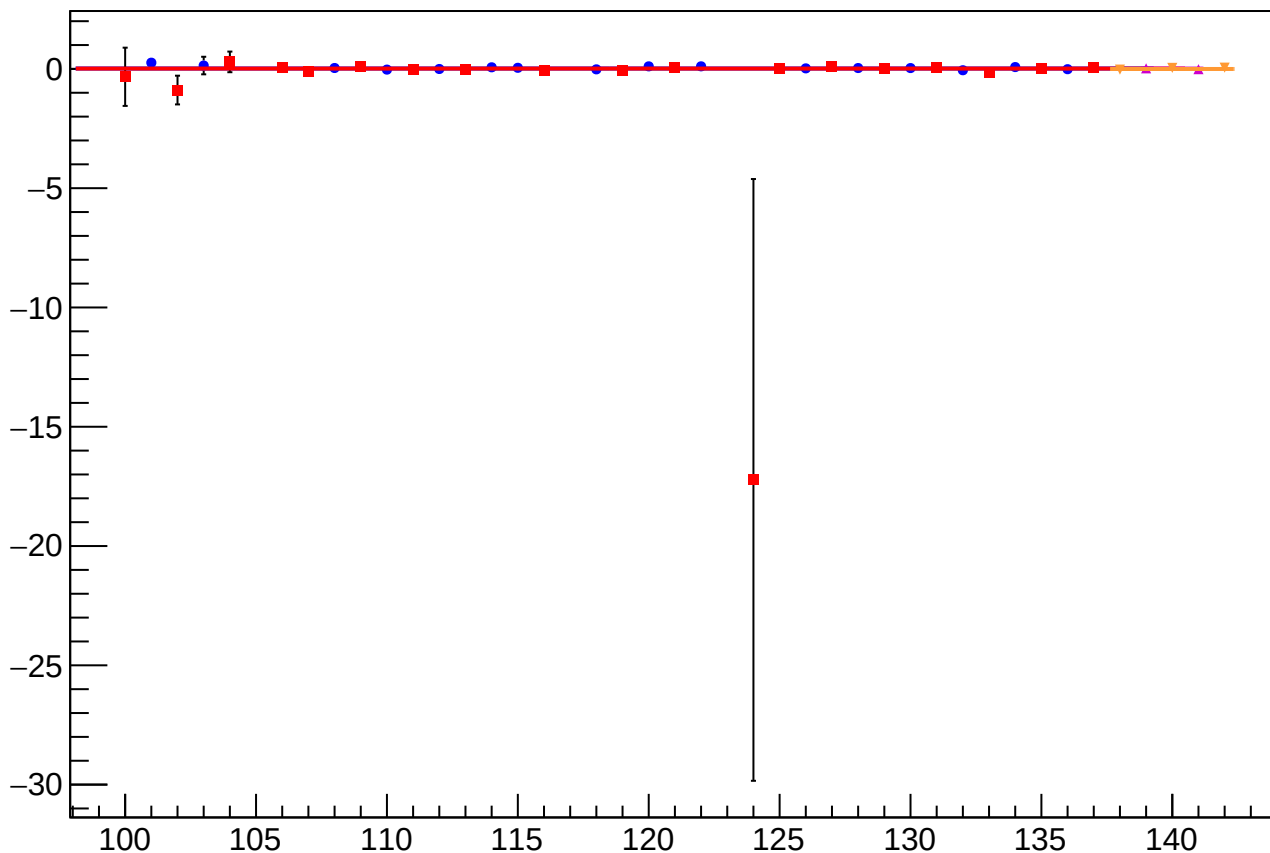
Left In: 27.827 $\pm$ 0.017 χ^2 /NDF: 137739.1/1

+ sign 33.402 $\pm$ 0.009 χ^2 /NDF: 2678154.4/18

All: 33.085 $\pm$ 0.006 χ^2 /NDF: 5849771.3/39

- sign 32.744 $\pm$ 0.009 χ^2 /NDF: 3169017.0/20

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: -0.003 $\pm$ 0.022 χ^2 /NDF: 2.7/2

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

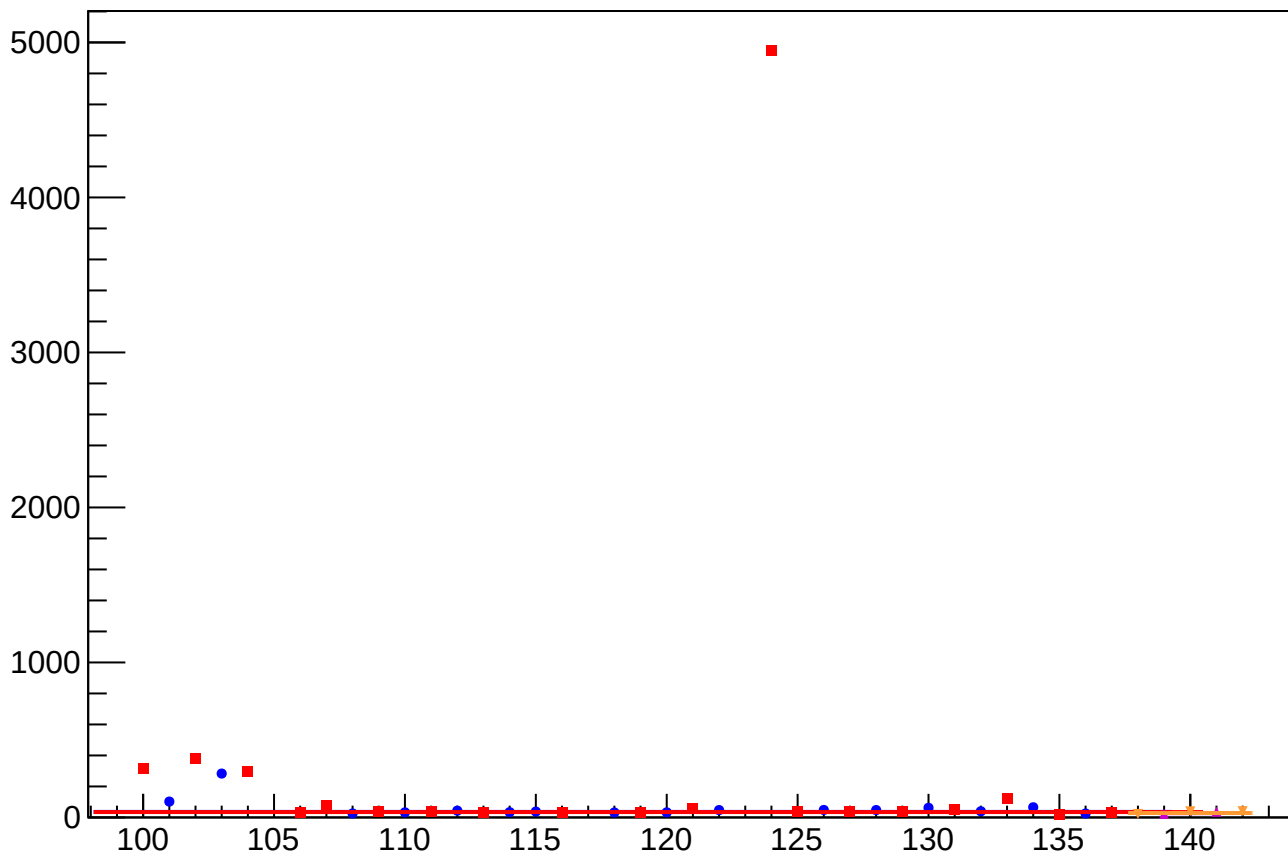
Left In: 0.013 $\pm$ 0.024 χ^2 /NDF: 0.5/1

+ sign 0.010 $\pm$ 0.013 χ^2 /NDF: 14.7/18

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 31.2/39

- sign 0.013 $\pm$ 0.013 χ^2 /NDF: 16.5/20

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743 $\pm$ 0.011 χ^2 /NDF: 2264513.9/15

Left Out: 28.563+/-0.016 χ^2/NDF :272748.3/2

Right Out: 34.798+/-0.011 χ^2/NDF : 2913962.5/18

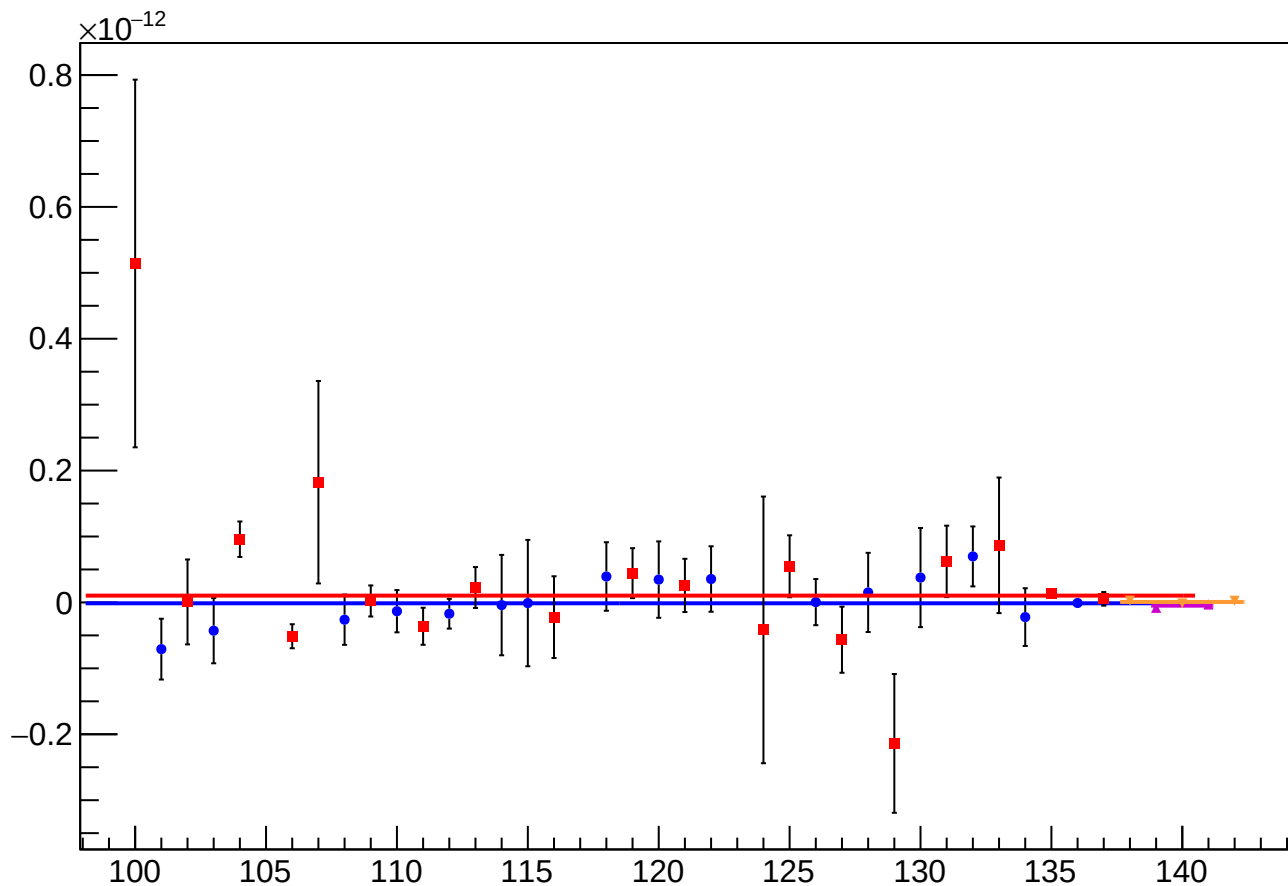
Left In: 27.827+/-0.017 χ^2/NDF :137739.1/1

+ sign 33.402 $\pm$ 0.009 χ^2 /NDF: 2678154.4/18

All: 33.085+/-0.006 χ^2/NDF : 5849771.3/39

- sign 32.744+/-0.009 χ^2/NDF : 3169017.0/20

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 : 0.6/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.9/18

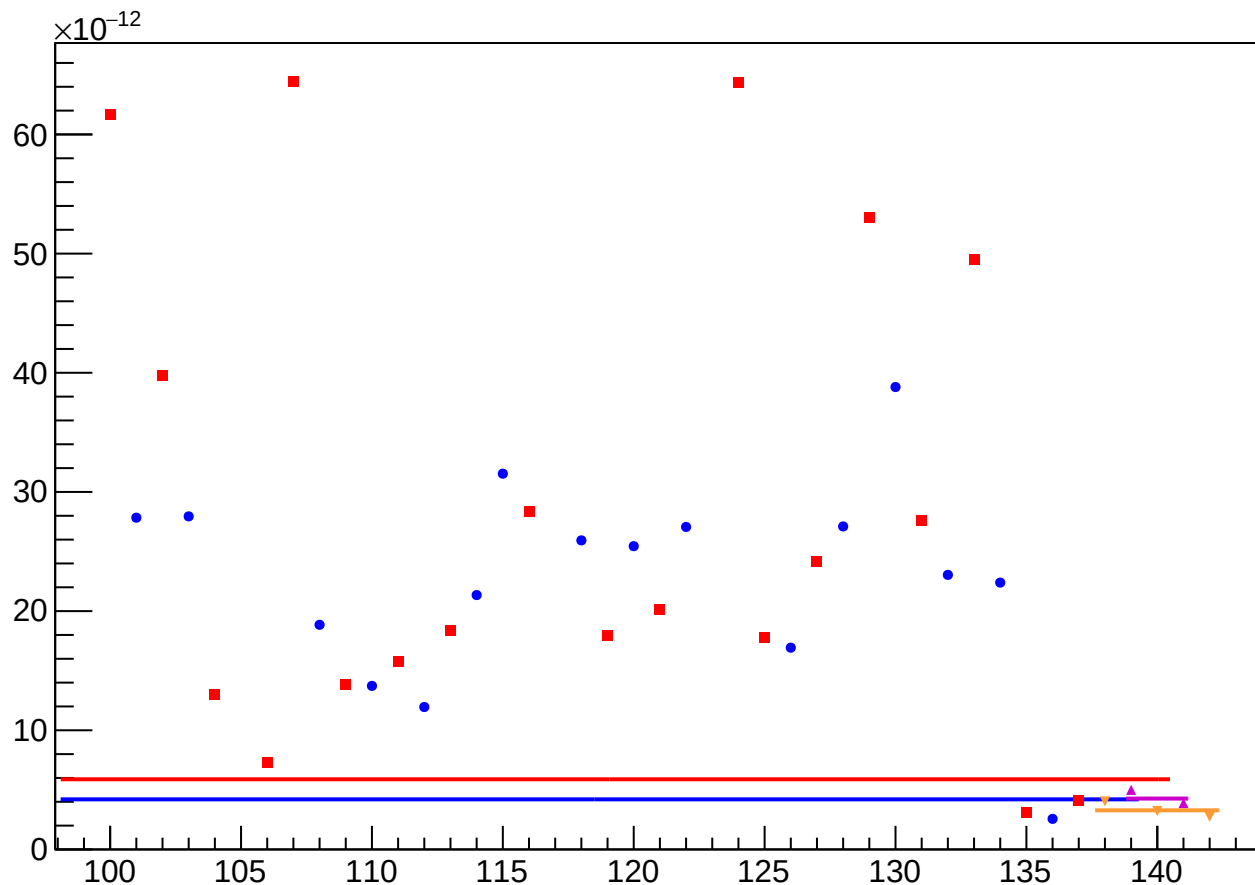
Left In: -0.000 ± 0.000 χ^2/NDF : 0.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 9.4/18

All: 0.000 ± 0.000 χ^2/NDF : 57.1/39

- sign 0.000 ± 0.000 χ^2/NDF : 47.3/20

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 : 60508.6/2

Right Out: 0.000+/-0.000 χ^2/NDF : 4860861.1/18

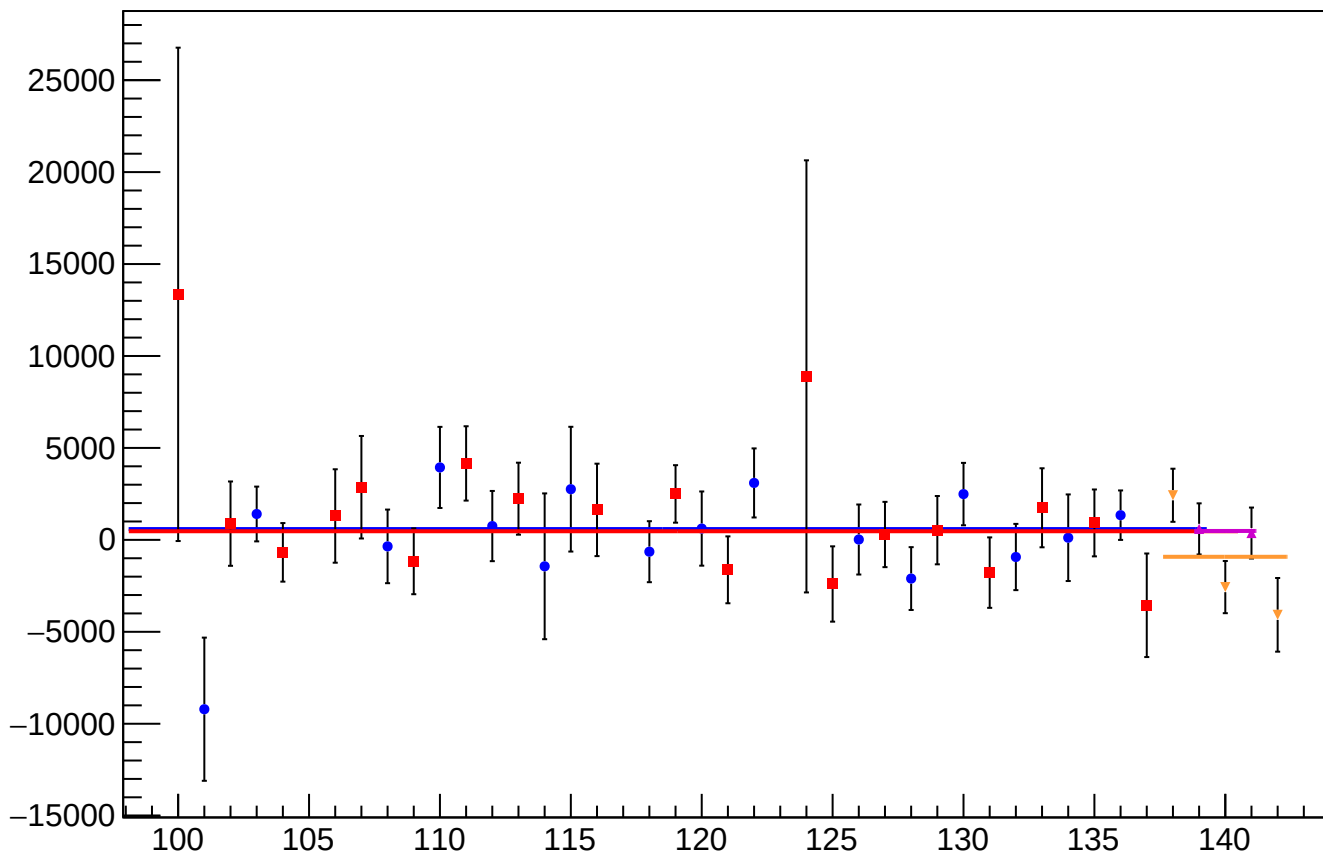
Left In: 0.000+/-0.000 χ^2/NDF : 36200.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 5228510.7/18

All: 0.000+/-0.000 χ^2/NDF : 10585466.4/39

- sign 0.000+/-0.000 χ^2/NDF : 5056896.0/20

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: -920.488 $\pm$ 903.218 χ^2 /NDF:9.2/2

Right Out: 469.012 $\pm$ 480.516 χ^2 /NDF: 16.9/18

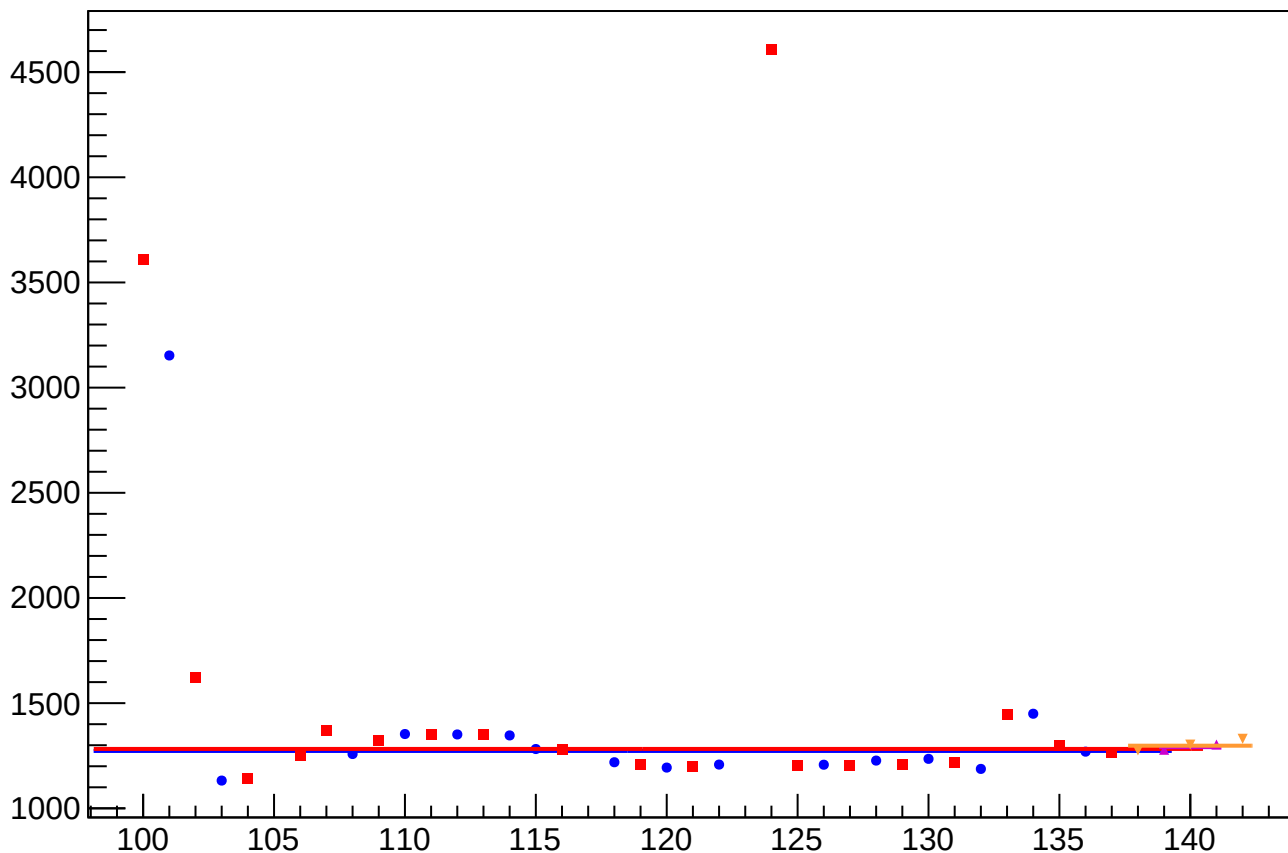
Left In: 483.916 $\pm$ 981.051 χ^2 /NDF:0.0/1

+ sign 252.337 $\pm$ 425.536 χ^2 /NDF: 28.4/18

All: 360.580 $\pm$ 302.998 χ^2 /NDF: 45.4/39

- sign 471.896 $\pm$ 431.533 χ^2 /NDF: 16.9/20

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF : 519298.2/15

Left Out: 1297.744+/-0.639 χ^2/NDF : 1041.7/2

Right Out: 1282.365+/-0.340 χ^2/NDF : 322078.6/18

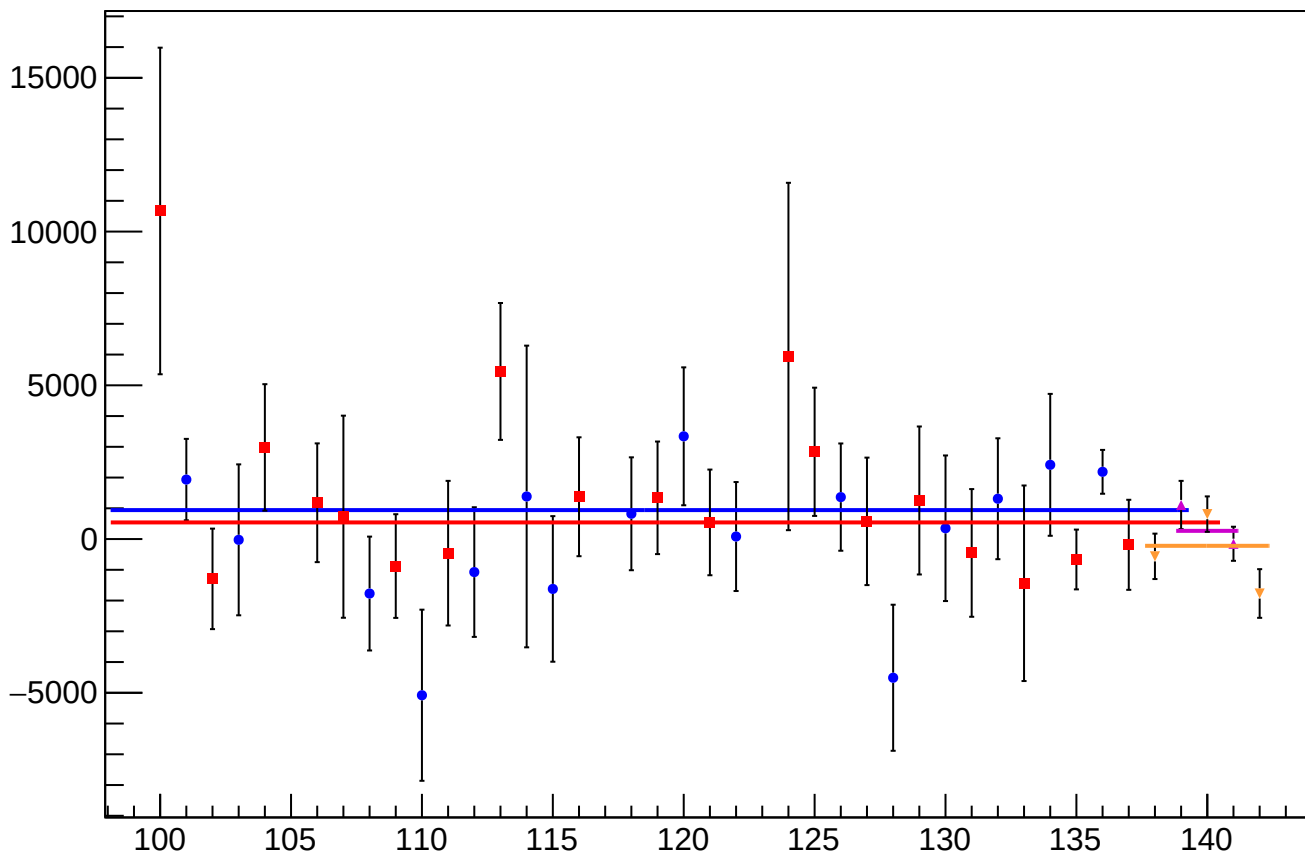
Left In: 1290.901+/-0.694 χ^2/NDF : 316.8/1

+ sign 1278.340+/-0.301 χ^2/NDF : 521526.2/18

All: 1281.139+/-0.214 χ^2/NDF : 844219.3/39

- sign 1284.017+/-0.305 χ^2/NDF : 322517.6/20

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug



Right In: 941.759 $\pm$ 425.837 χ^2 /NDF: 19.9/15

Left Out: -219.882 $\pm$ 394.048 χ^2 /NDF: 7.3/2

Right Out: 540.622 $\pm$ 439.905 χ^2 /NDF: 17.2/18

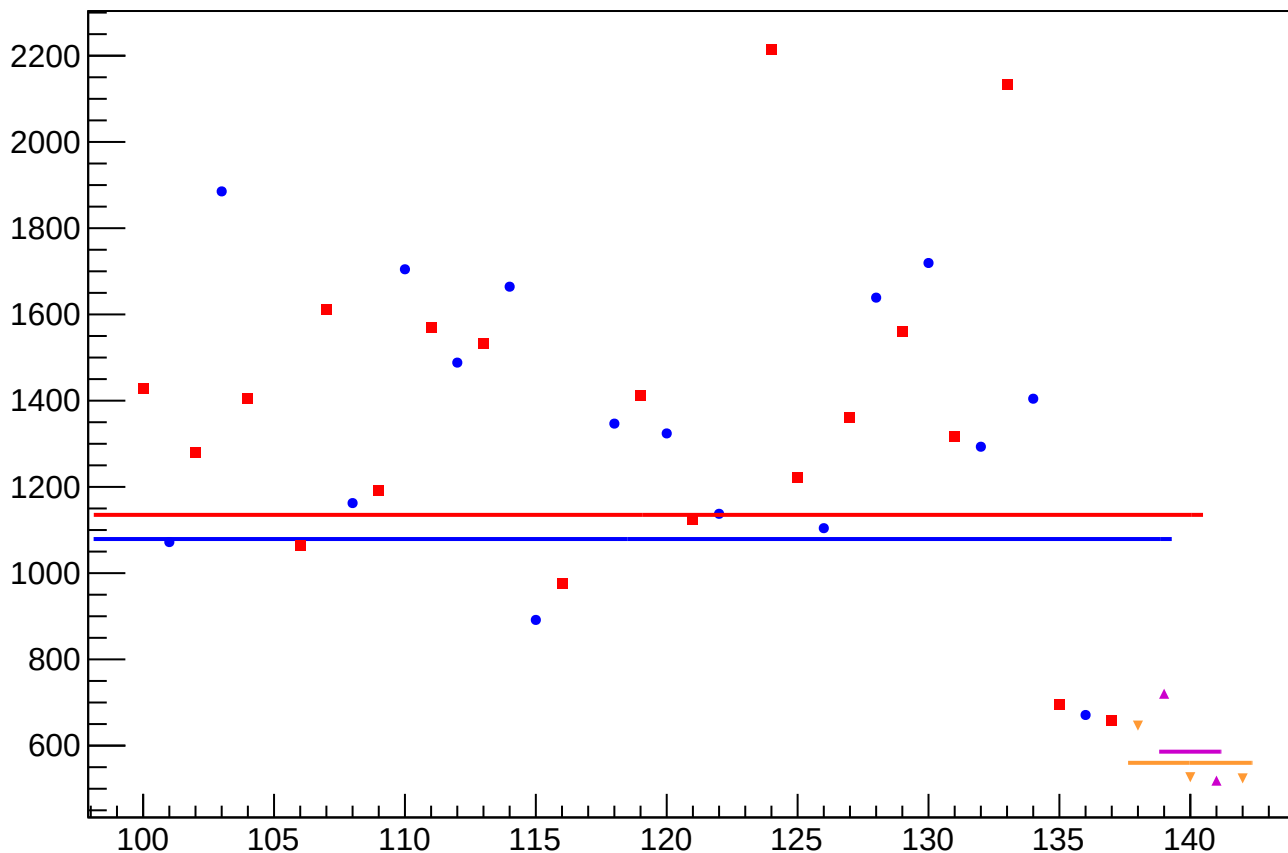
Left In: 266.801 $\pm$ 452.548 χ^2 /NDF: 1.7/1

+ sign 315.967 $\pm$ 289.220 χ^2 /NDF: 31.2/18

All: 357.814 $\pm$ 213.176 χ^2 /NDF: 50.3/39

- sign 407.590 $\pm$ 315.435 χ^2 /NDF: 19.1/20

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF : 1482232.0/15

Left Out: 560.114+/-0.279 χ^2/NDF : 38188.8/2

Right Out: 1135.161+/-0.311 χ^2/NDF : 1293082.2/18

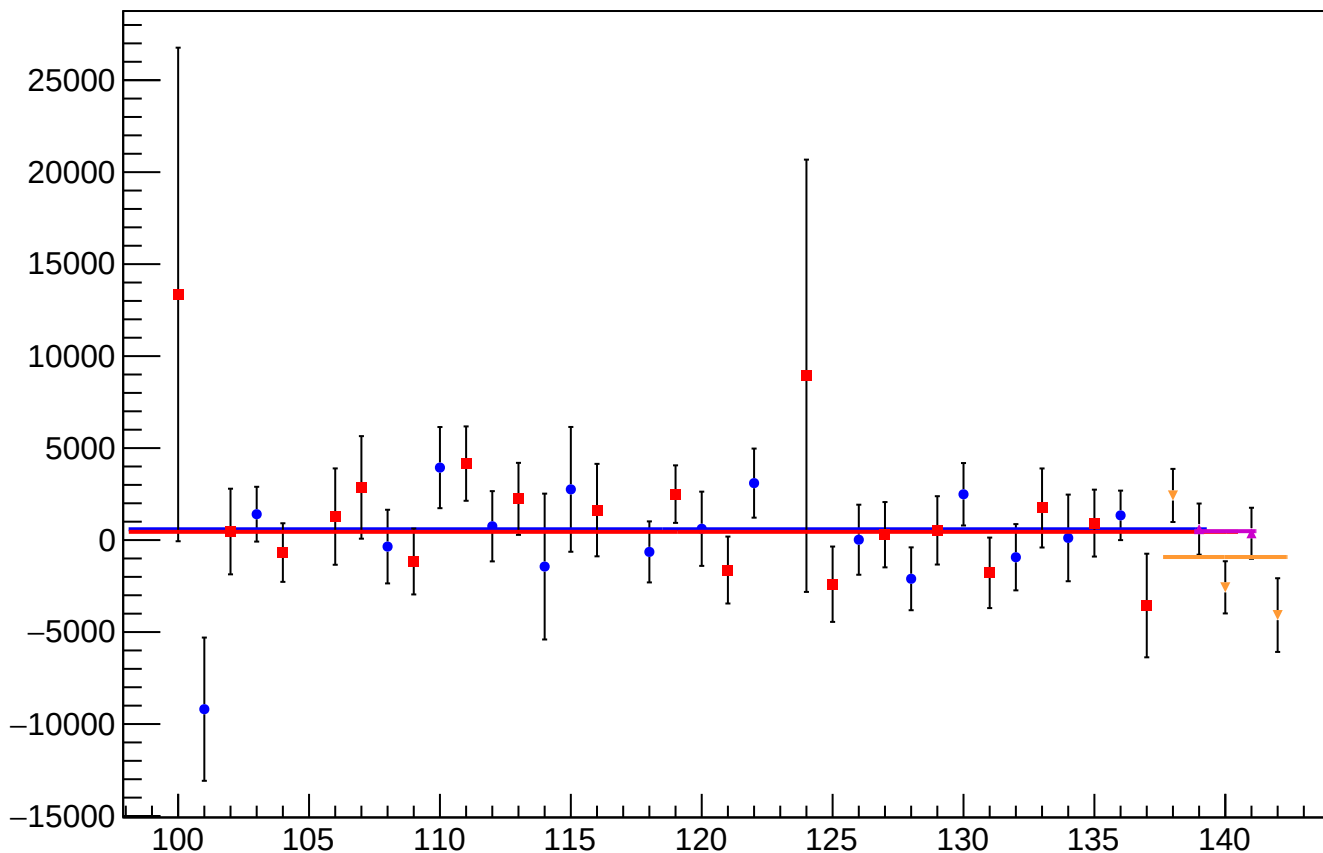
Left In: 585.978+/-0.320 χ^2/NDF : 88146.9/1

+ sign 799.524+/-0.205 χ^2/NDF : 3120887.7/18

All: 830.958+/-0.151 χ^2/NDF : 6068224.8/39

- sign 868.348+/-0.223 χ^2/NDF : 2895610.4/20

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF : 17.1/15

Left Out: -920.664+/-903.218 χ^2/NDF : 9.2/2

Right Out: 448.412+/-481.333 χ^2/NDF : 16.8/18

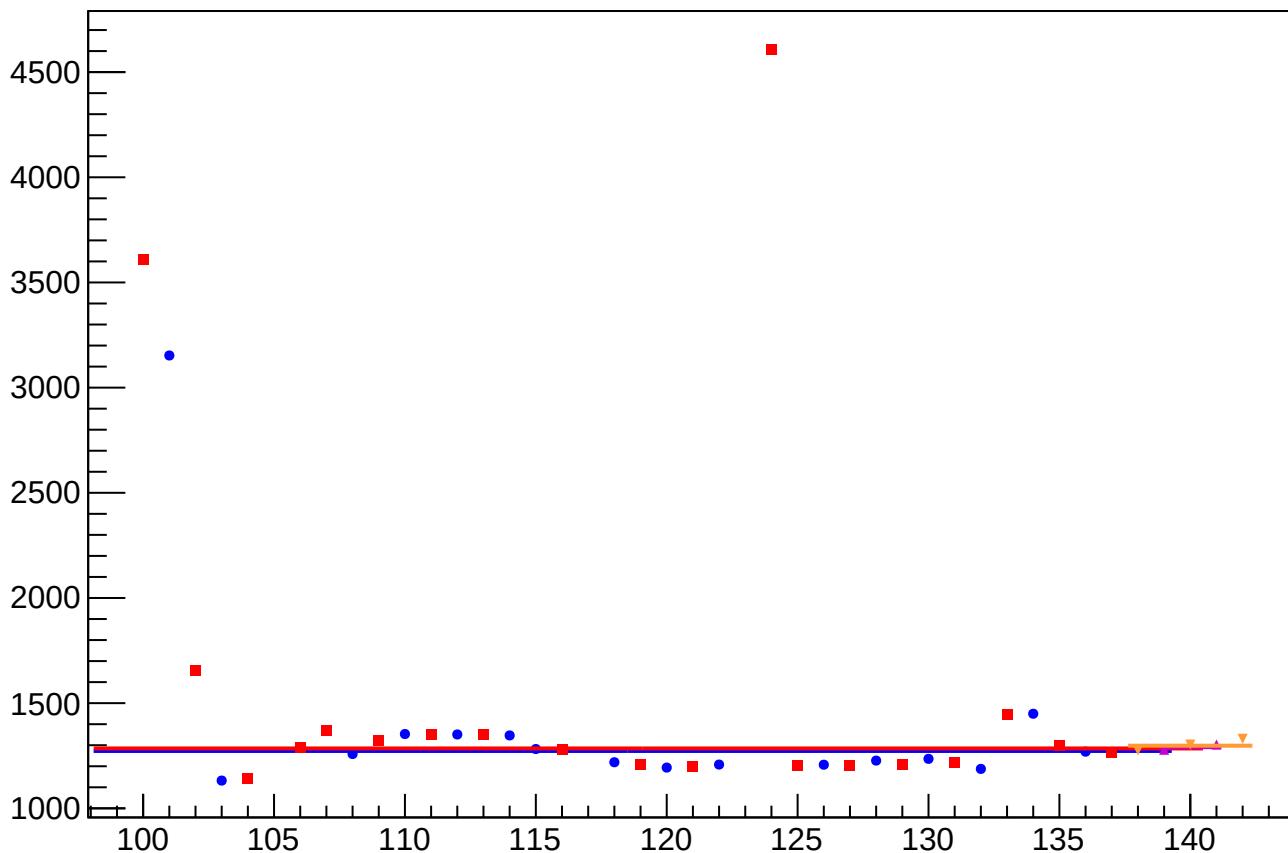
Left In: 483.795+/-981.051 χ^2/NDF : 0.0/1

+ sign 252.546+/-425.536 χ^2/NDF : 28.4/18

All: 352.354+/-303.202 χ^2/NDF : 45.4/39

- sign 455.277+/-432.125 χ^2/NDF : 16.8/20

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: 1297.744 $\pm$ 0.639 χ^2 /NDF: 1041.7/2

Right Out: 1284.654 $\pm$ 0.340 χ^2 /NDF: 328734.9/18

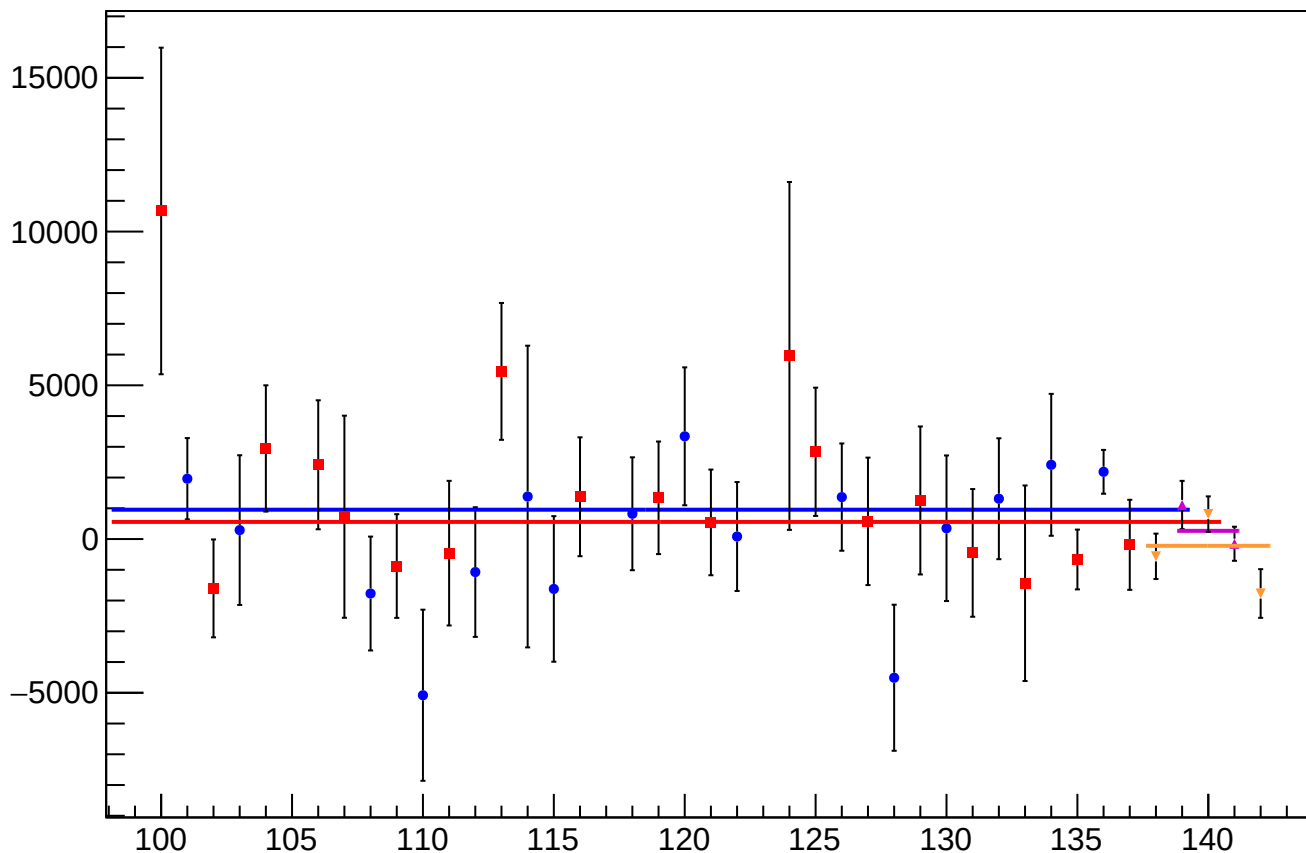
Left In: 1290.901 $\pm$ 0.694 χ^2 /NDF: 316.8/1

+ sign 1278.340 $\pm$ 0.301 χ^2 /NDF: 521527.7/18

All: 1282.045 $\pm$ 0.214 χ^2 /NDF: 850952.8/39

- sign 1285.866 $\pm$ 0.306 χ^2 /NDF: 329117.1/20

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: -219.841 $\pm$ 394.062 χ^2 /NDF:7.3/2

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

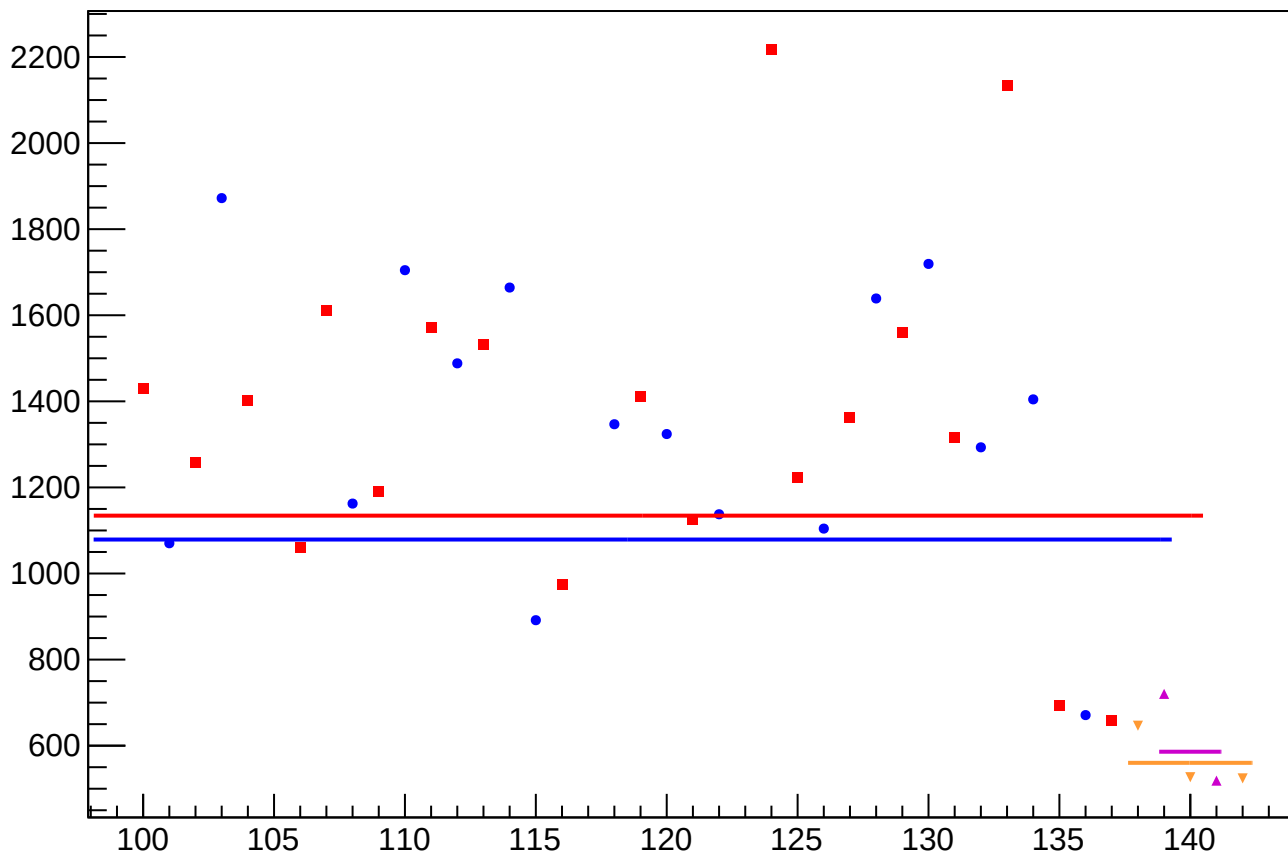
Left In: 266.941 $\pm$ 452.536 χ^2 /NDF:1.7/1

+ sign 321.965 $\pm$ 289.170 χ^2 /NDF: 31.2/18

All: 364.985 $\pm$ 213.251 χ^2 /NDF: 51.6/39

- sign 416.274 $\pm$ 315.745 χ^2 /NDF: 20.3/20

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: 560.135 $\pm$ 0.279 χ^2 /NDF: 38168.8/2

Right Out: 1134.428 $\pm$ 0.312 χ^2 /NDF: 1288899.2/18

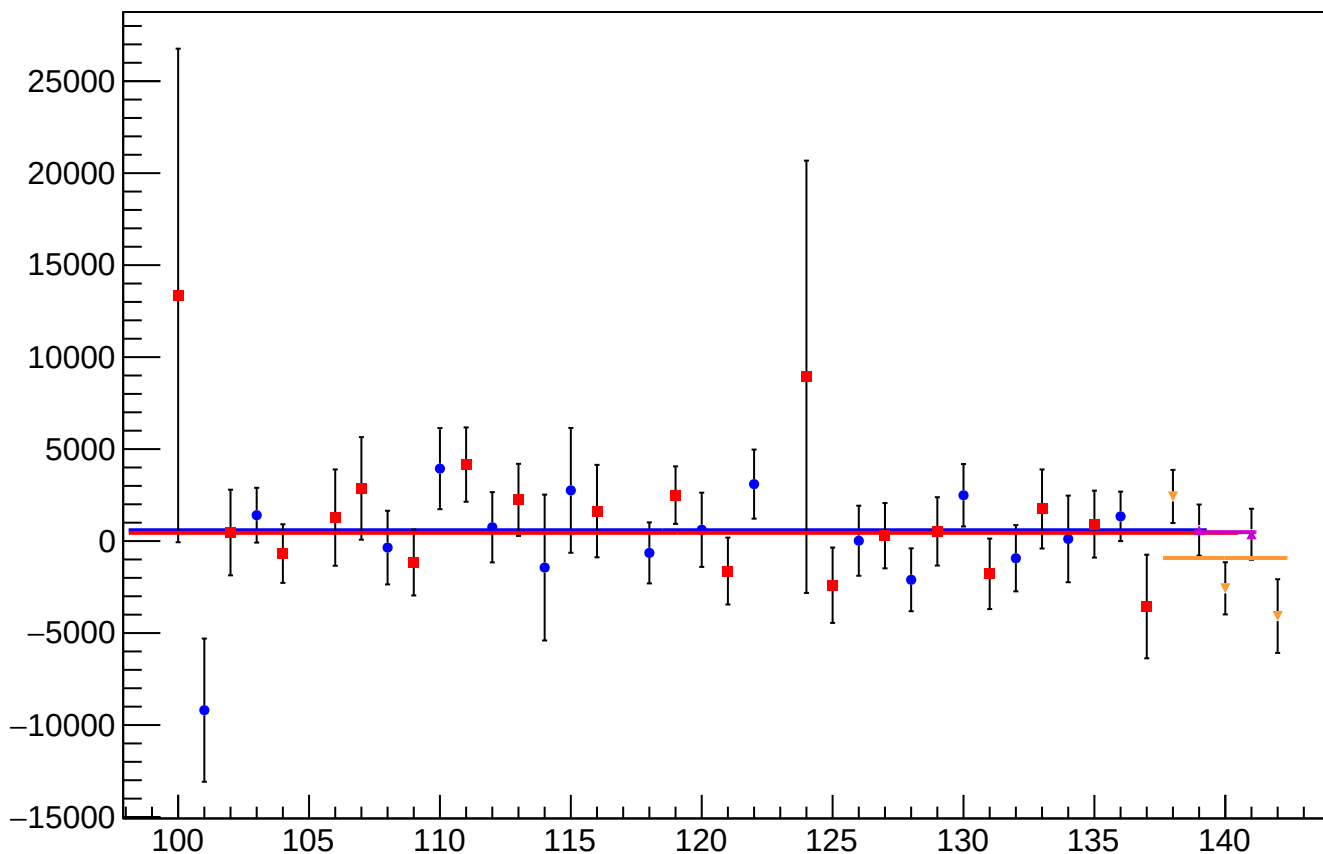
Left In: 585.960 $\pm$ 0.320 χ^2 /NDF: 88162.4/1

+ sign 799.565 $\pm$ 0.204 χ^2 /NDF: 3116728.9/18

All: 830.519 $\pm$ 0.151 χ^2 /NDF: 6051671.6/39

- sign 867.424 $\pm$ 0.223 χ^2 /NDF: 2884701.7/20

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254 $\pm$ 482.434 χ^2 /NDF: 17.1/15

Left Out: -920.664 $\pm$ 903.218 χ^2 /NDF:9.2/2

Right Out: 448.412 $\pm$ 481.333 χ^2 /NDF: 16.8/18

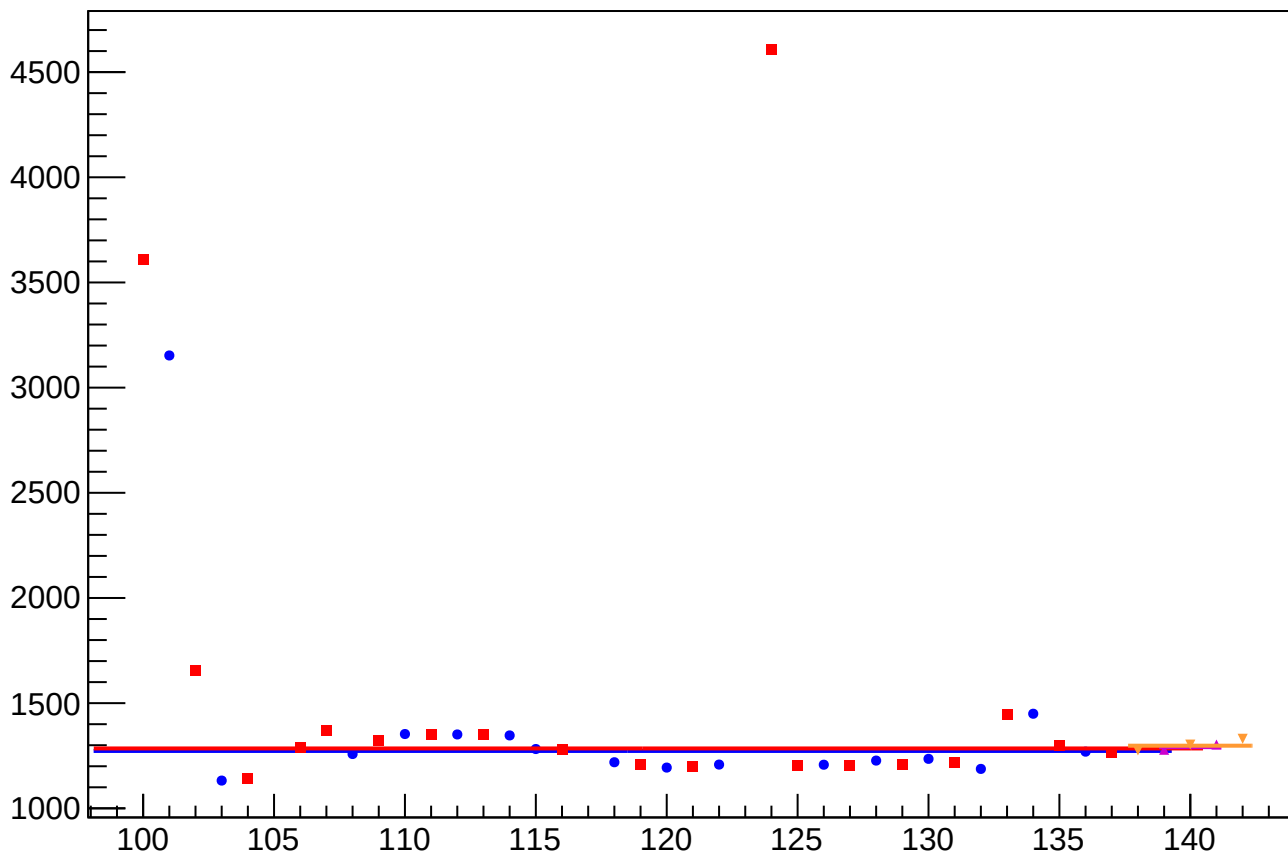
Left In: 483.795 $\pm$ 981.051 χ^2 /NDF:0.0/1

+ sign 252.546 $\pm$ 425.536 χ^2 /NDF: 28.4/18

All: 352.354 $\pm$ 303.202 χ^2 /NDF: 45.4/39

- sign 455.277 $\pm$ 432.125 χ^2 /NDF: 16.8/20

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: 1297.744 $\pm$ 0.639 χ^2 /NDF: 1041.7/2

Right Out: 1284.654 $\pm$ 0.340 χ^2 /NDF: 328734.9/18

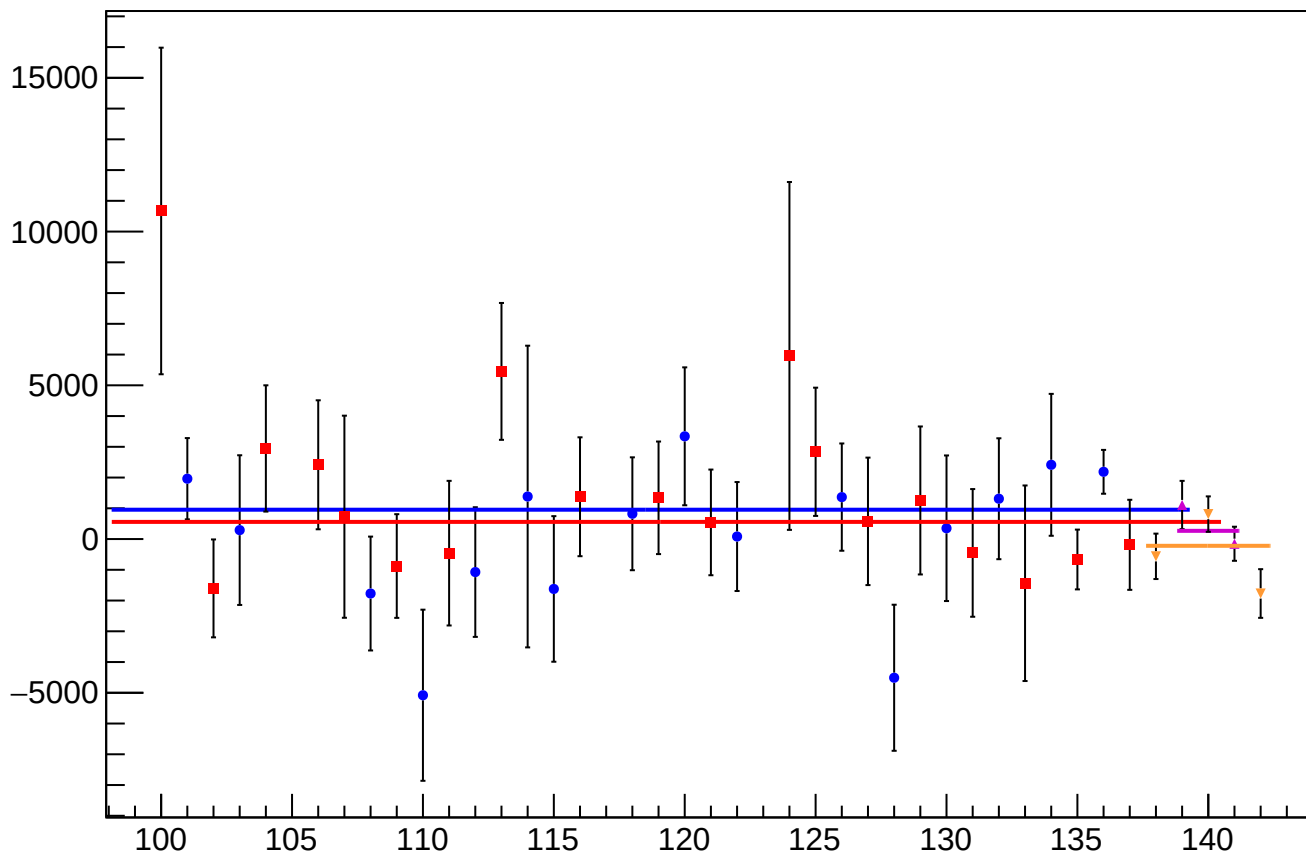
Left In: 1290.901 $\pm$ 0.694 χ^2 /NDF: 316.8/1

+ sign 1278.340 $\pm$ 0.301 χ^2 /NDF: 521527.7/18

All: 1282.045 $\pm$ 0.214 χ^2 /NDF: 850952.8/39

- sign 1285.866 $\pm$ 0.306 χ^2 /NDF: 329117.1/20

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: -219.841 $\pm$ 394.062 χ^2 /NDF:7.3/2

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

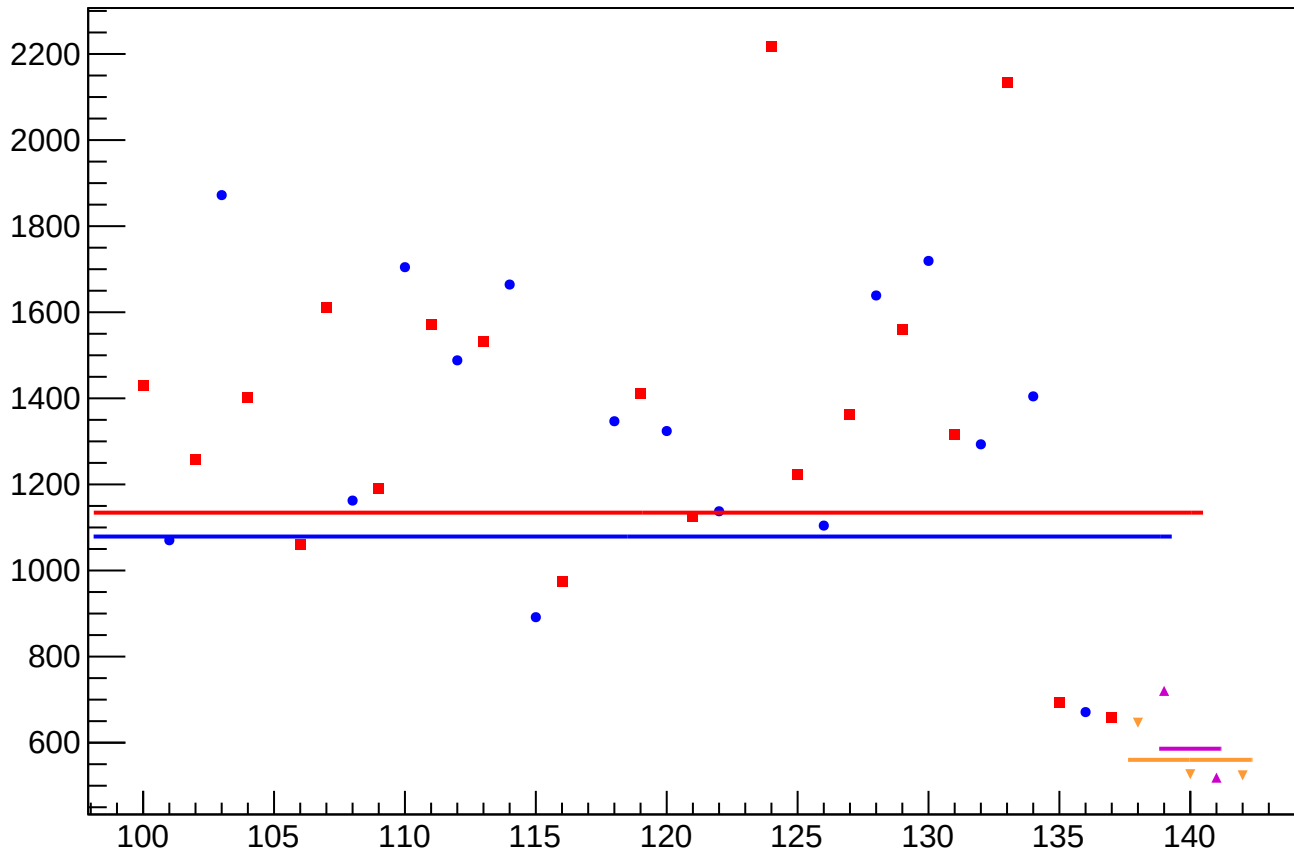
Left In: 266.941 $\pm$ 452.536 χ^2 /NDF:1.7/1

+ sign 321.965 $\pm$ 289.170 χ^2 /NDF: 31.2/18

All: 364.985 $\pm$ 213.251 χ^2 /NDF: 51.6/39

- sign 416.274 $\pm$ 315.745 χ^2 /NDF: 20.3/20

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF : 1478719.9/15

Left Out: 560.135+/-0.279 χ^2/NDF : 38168.8/2

+ sign 799.565+/-0.204 χ^2/NDF : 3116728.9/18

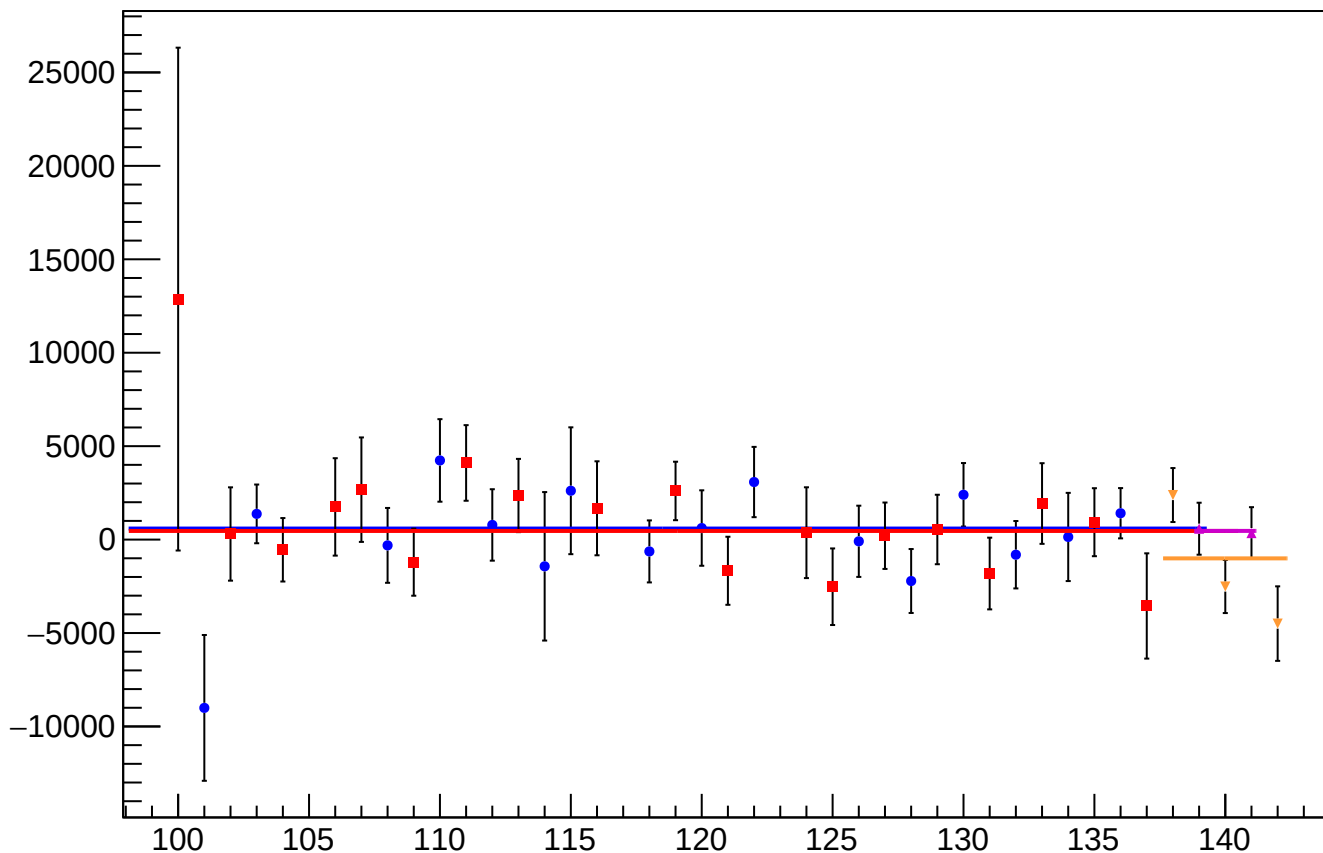
Right Out: 1134.428+/-0.312 χ^2/NDF : 1288899.2/18

All: 830.519+/-0.151 χ^2/NDF : 6051671.6/39

- sign 867.424+/-0.223 χ^2/NDF : 2884701.7/20

Left In: 585.960+/-0.320 χ^2/NDF : 88162.4/1

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: -1005.111 $\pm$ 902.868 χ^2 /NDF: 9.7/2

Right Out: 462.606 $\pm$ 476.795 χ^2 /NDF: 16.7/18

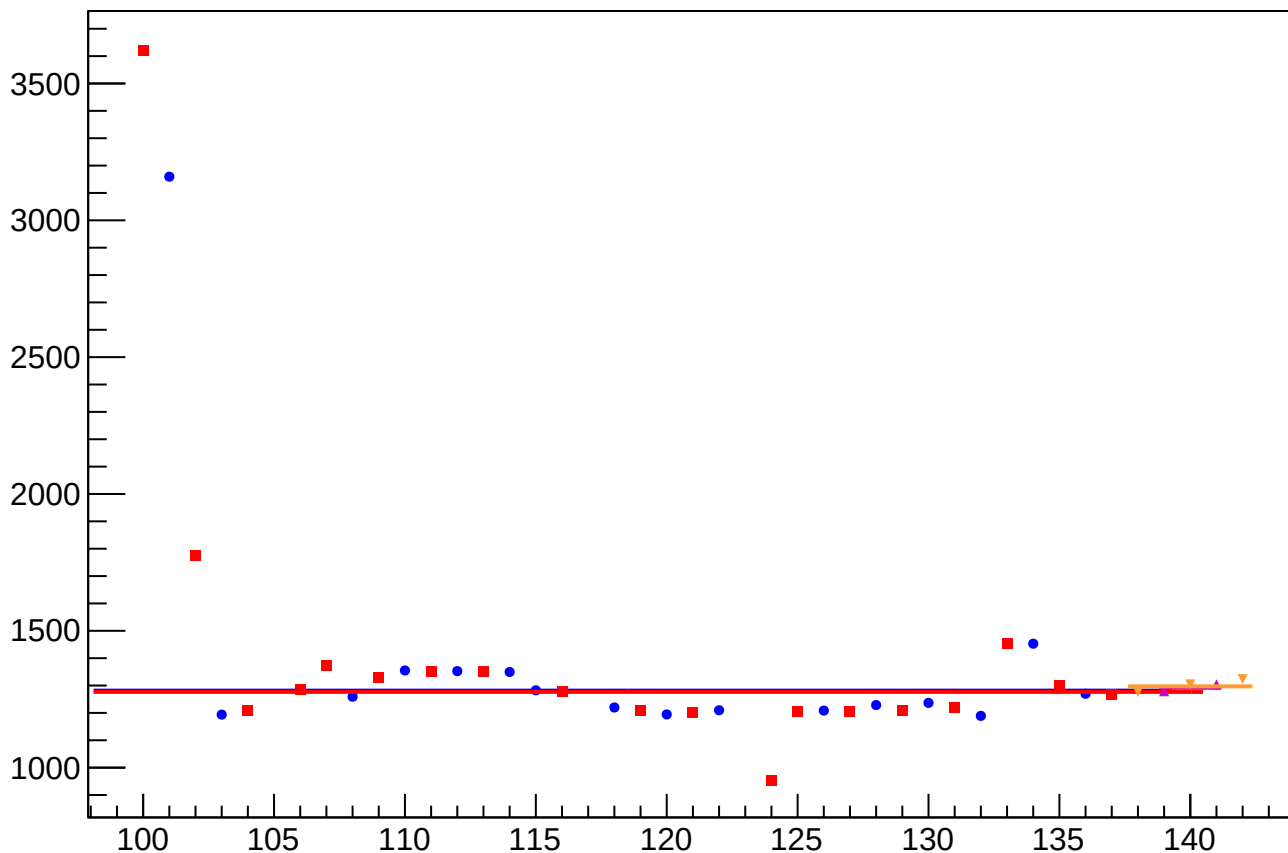
Left In: 465.013 $\pm$ 981.815 χ^2 /NDF: 0.0/1

+ sign 232.490 $\pm$ 427.587 χ^2 /NDF: 29.2/18

All: 347.425 $\pm$ 302.811 χ^2 /NDF: 46.1/39

- sign 463.065 $\pm$ 428.896 χ^2 /NDF: 16.7/20

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.4/15

Left Out: 1297.012+/-0.638 χ^2/NDF : 823.7/2

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.6/18

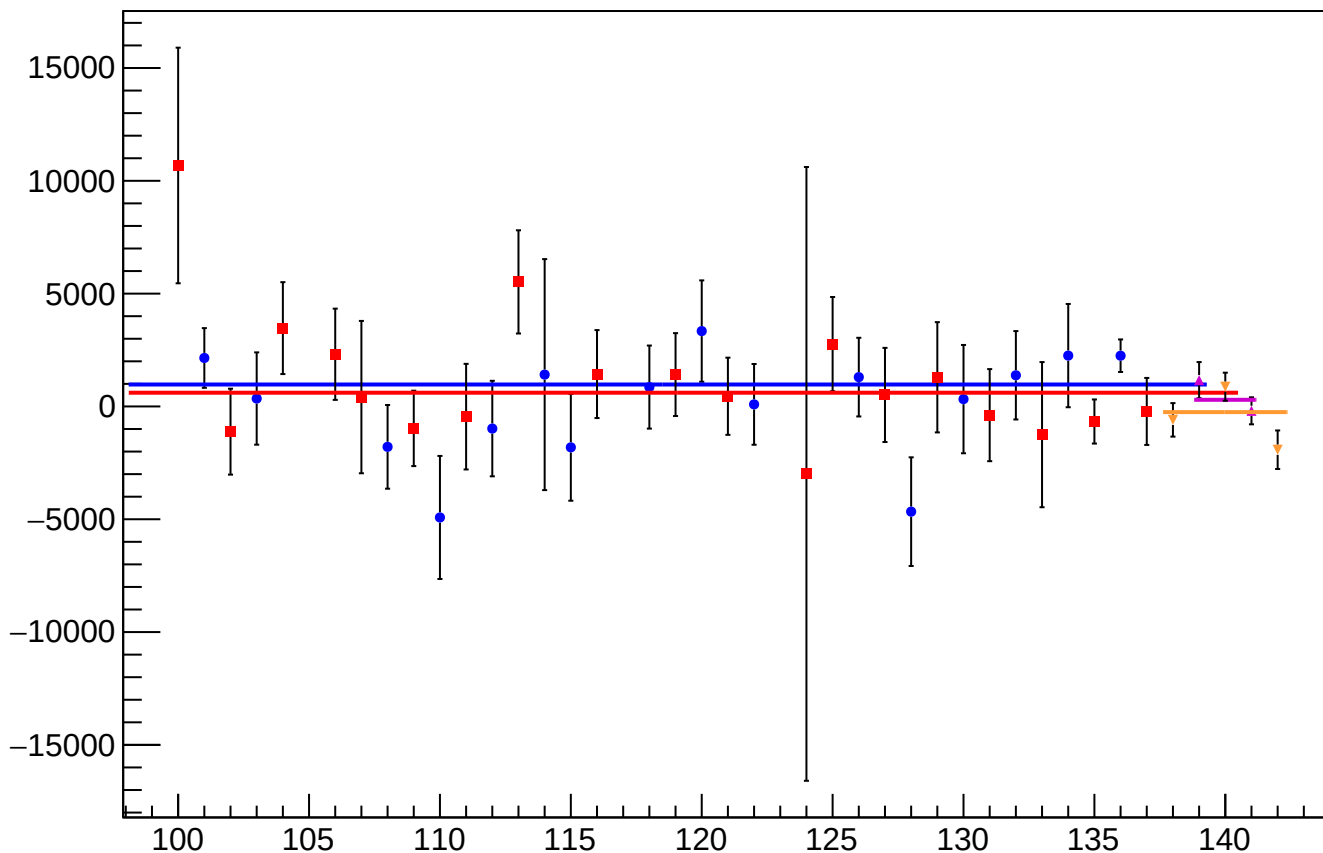
Left In: 1291.897+/-0.694 χ^2/NDF : 329.8/1

+ sign 1284.877+/-0.302 χ^2/NDF : 508367.9/18

All: 1282.311+/-0.214 χ^2/NDF : 729735.4/39

- sign 1279.730+/-0.303 χ^2/NDF : 221223.0/20

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug



Right In: 972.287 ± 425.219 $\chi^2/\text{NDF}: 20.4/15$

Left Out: -250.766 ± 416.185 $\chi^2/\text{NDF}: 7.3/2$

Right Out: 608.431 ± 447.734 $\chi^2/\text{NDF}: 17.1/18$

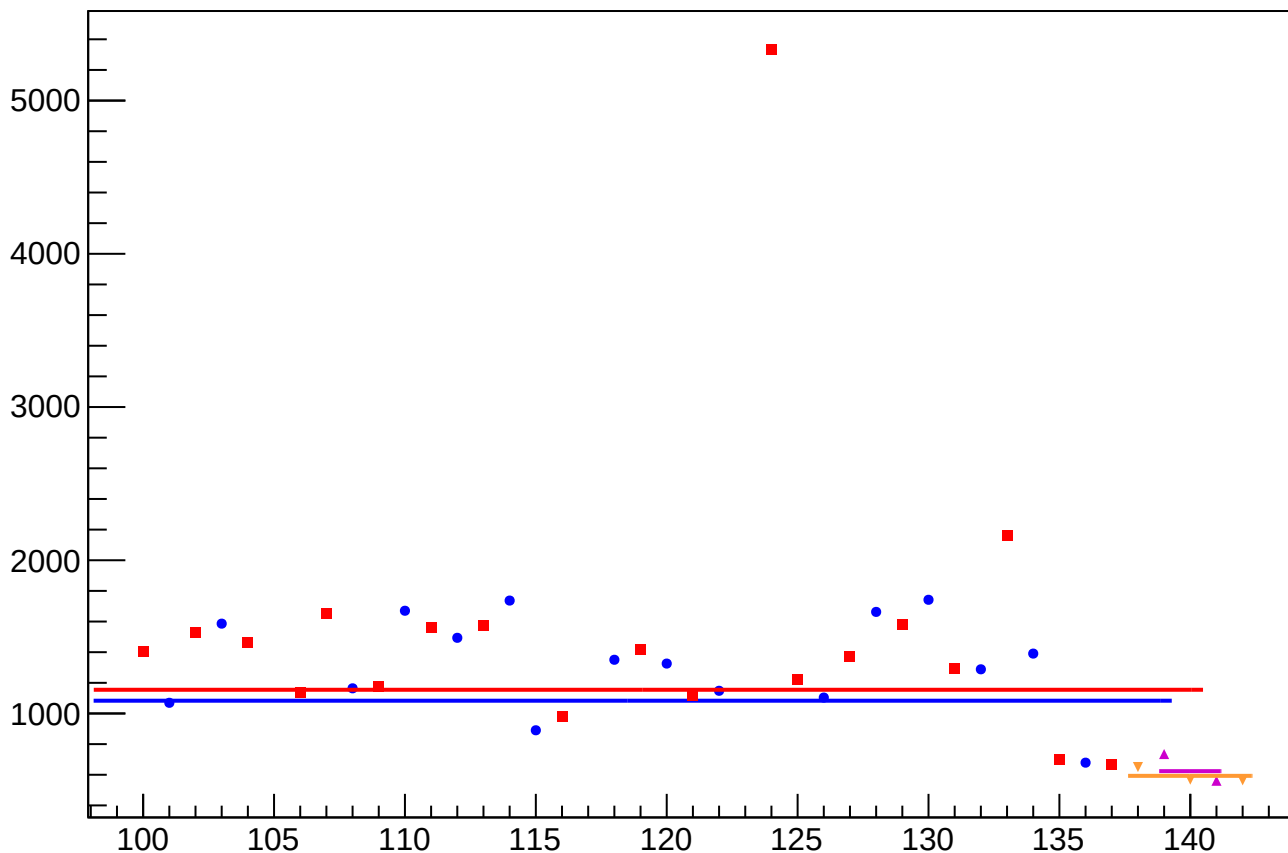
Left In: 294.204 ± 479.501 $\chi^2/\text{NDF}: 1.9/1$

+ sign 347.632 ± 297.430 $\chi^2/\text{NDF}: 32.0/18$

All: 399.401 ± 220.104 $\chi^2/\text{NDF}: 51.3/39$

- sign 462.070 ± 327.250 $\chi^2/\text{NDF}: 19.2/20$

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2 /NDF: 1360153.3/15

Left Out: 592.948+/-0.294 χ^2 /NDF:17484.5/2

Right Out: 1154.724+/-0.317 χ^2 /NDF: 1488304.5/18

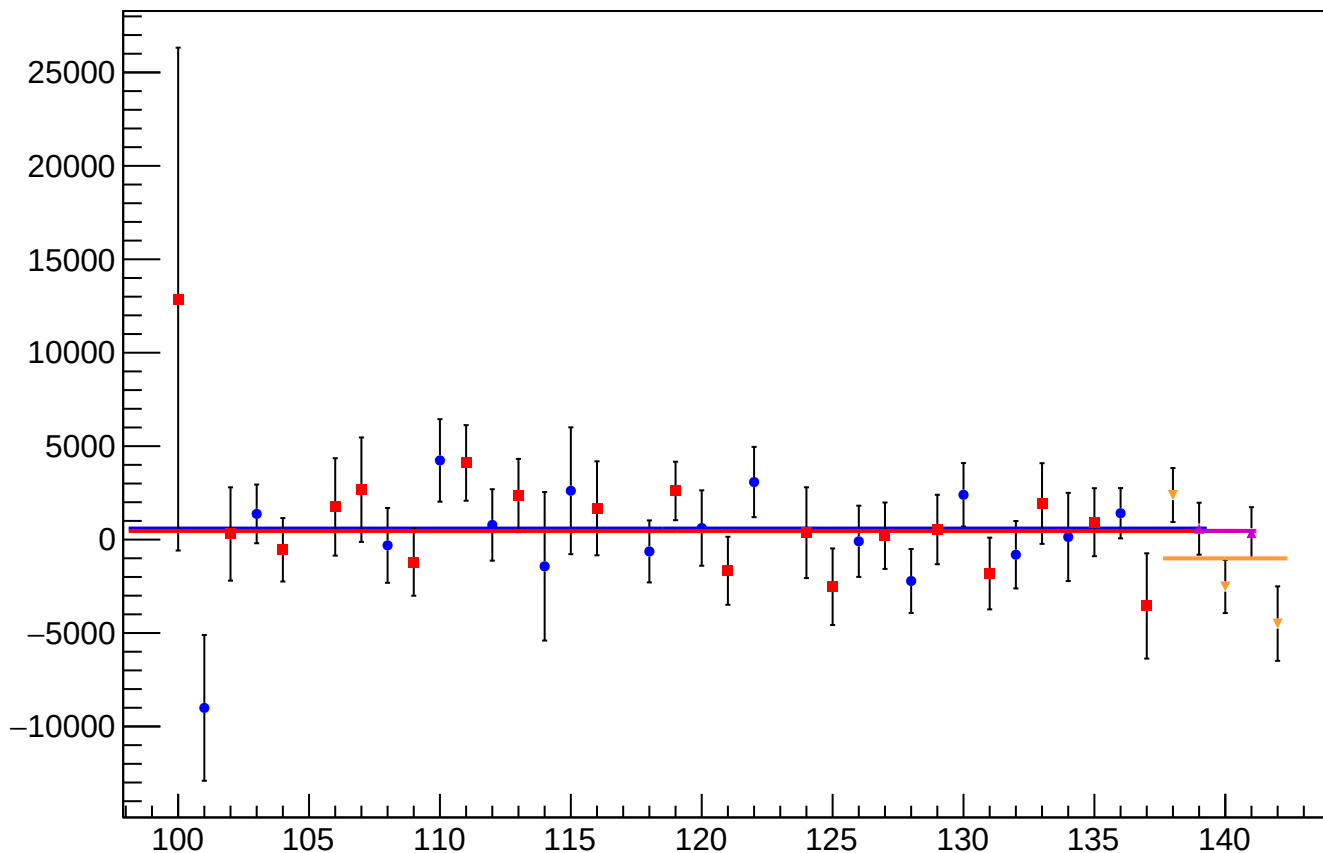
Left In: 623.559+/-0.339 χ^2 /NDF:60772.0/1

+ sign 832.877+/-0.210 χ^2 /NDF: 2736192.8/18

All: 866.552+/-0.156 χ^2 /NDF: 5653026.8/39

- sign 907.318+/-0.231 χ^2 /NDF: 2860161.1/20

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: -1005.117+/-902.868 χ^2/NDF : 9.7/2

Right Out: 462.605+/-476.795 χ^2/NDF : 16.7/18

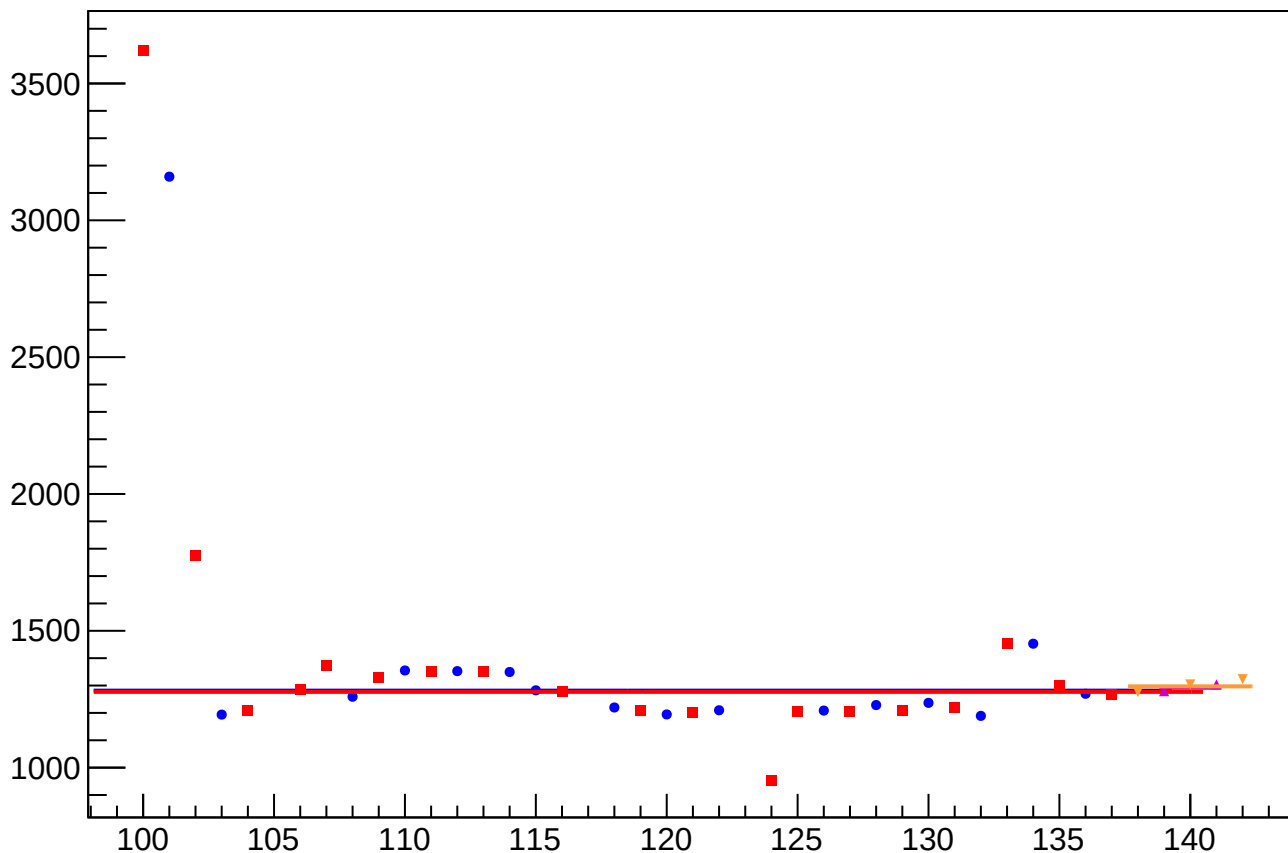
Left In: 465.021+/-981.815 χ^2/NDF : 0.0/1

+ sign 232.490+/-427.587 χ^2/NDF : 29.2/18

All: 347.426+/-302.811 χ^2/NDF : 46.1/39

- sign 463.066+/-428.896 χ^2/NDF : 16.7/20

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF : 507078.6/15

Left Out: 1297.012+/-0.638 χ^2/NDF : 823.7/2

Right Out: 1276.860+/-0.337 χ^2/NDF : 220513.5/18

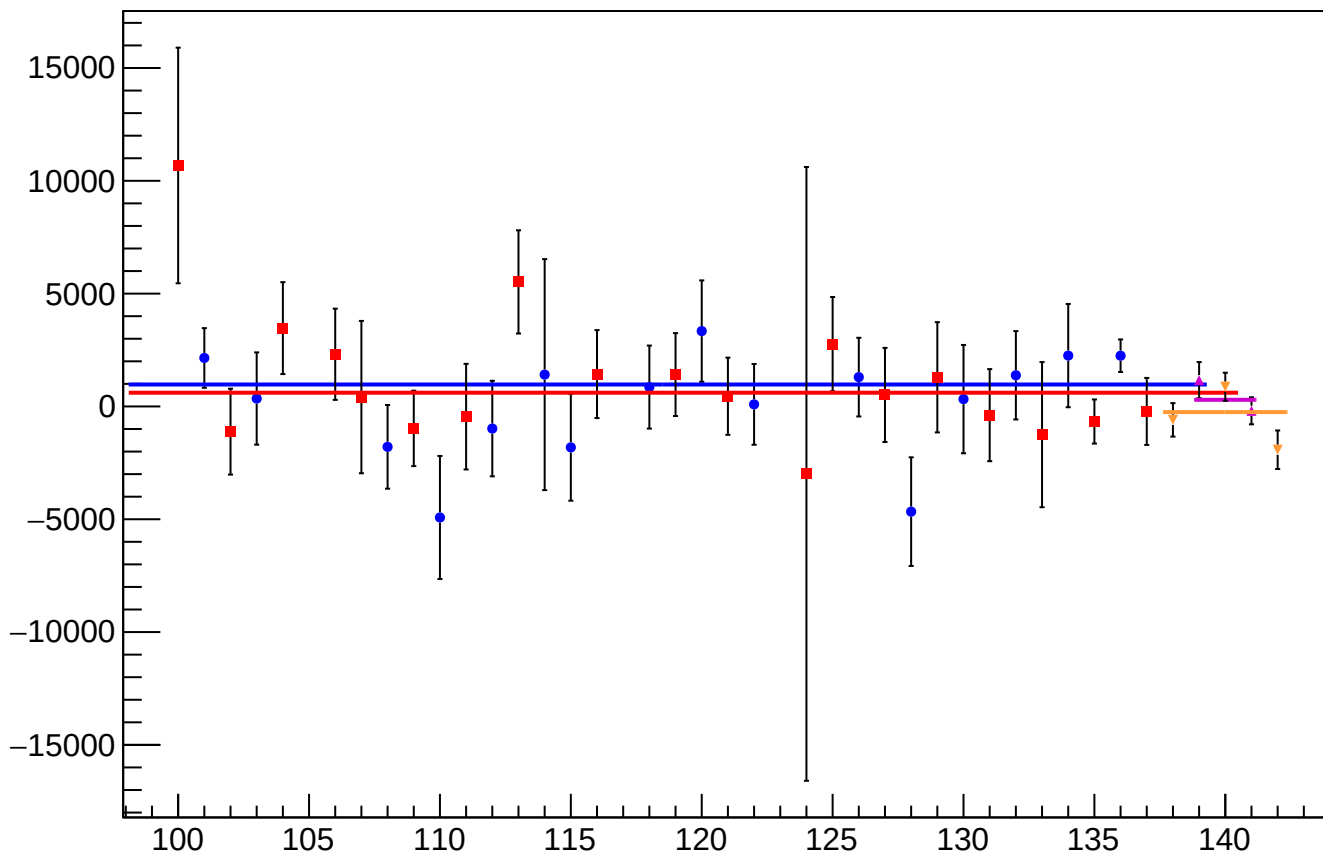
Left In: 1291.898+/-0.694 χ^2/NDF : 329.8/1

+ sign 1284.877+/-0.302 χ^2/NDF : 508368.1/18

All: 1282.311+/-0.214 χ^2/NDF : 729735.5/39

- sign 1279.730+/-0.303 χ^2/NDF : 221222.9/20

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 972.281 $\pm$ 425.220 χ^2 /NDF: 20.4/15

Left Out: -250.769 $\pm$ 416.189 χ^2 /NDF:7.3/2

Right Out: 608.441 $\pm$ 447.736 χ^2 /NDF: 17.1/18

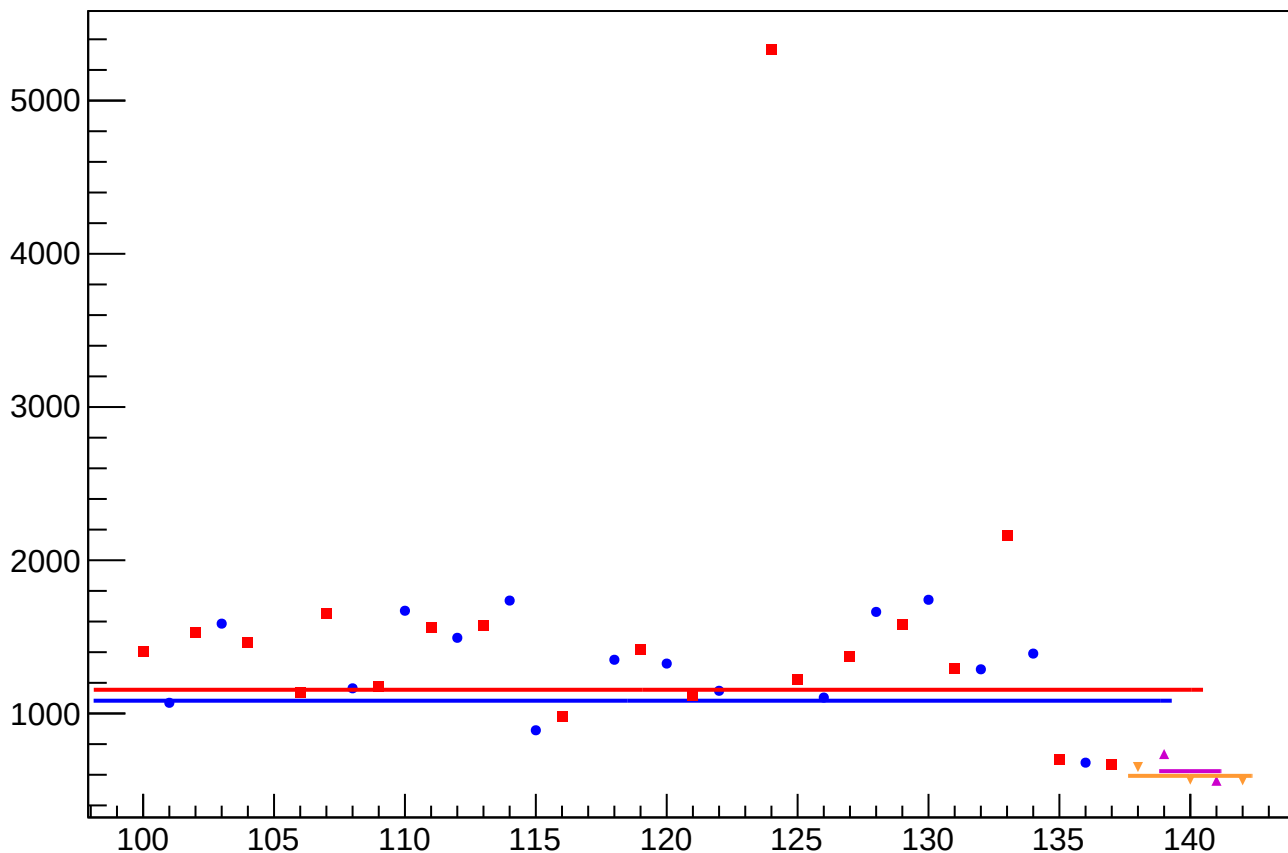
Left In: 294.202 $\pm$ 479.505 χ^2 /NDF:1.9/1

+ sign 347.630 $\pm$ 297.432 χ^2 /NDF: 32.0/18

All: 399.402 $\pm$ 220.105 χ^2 /NDF: 51.3/39

- sign 462.075 $\pm$ 327.252 χ^2 /NDF: 19.2/20

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: 592.953+/-0.294 χ^2/NDF : 17488.4/2

Right Out: 1154.732+/-0.317 χ^2/NDF : 1488251.4/18

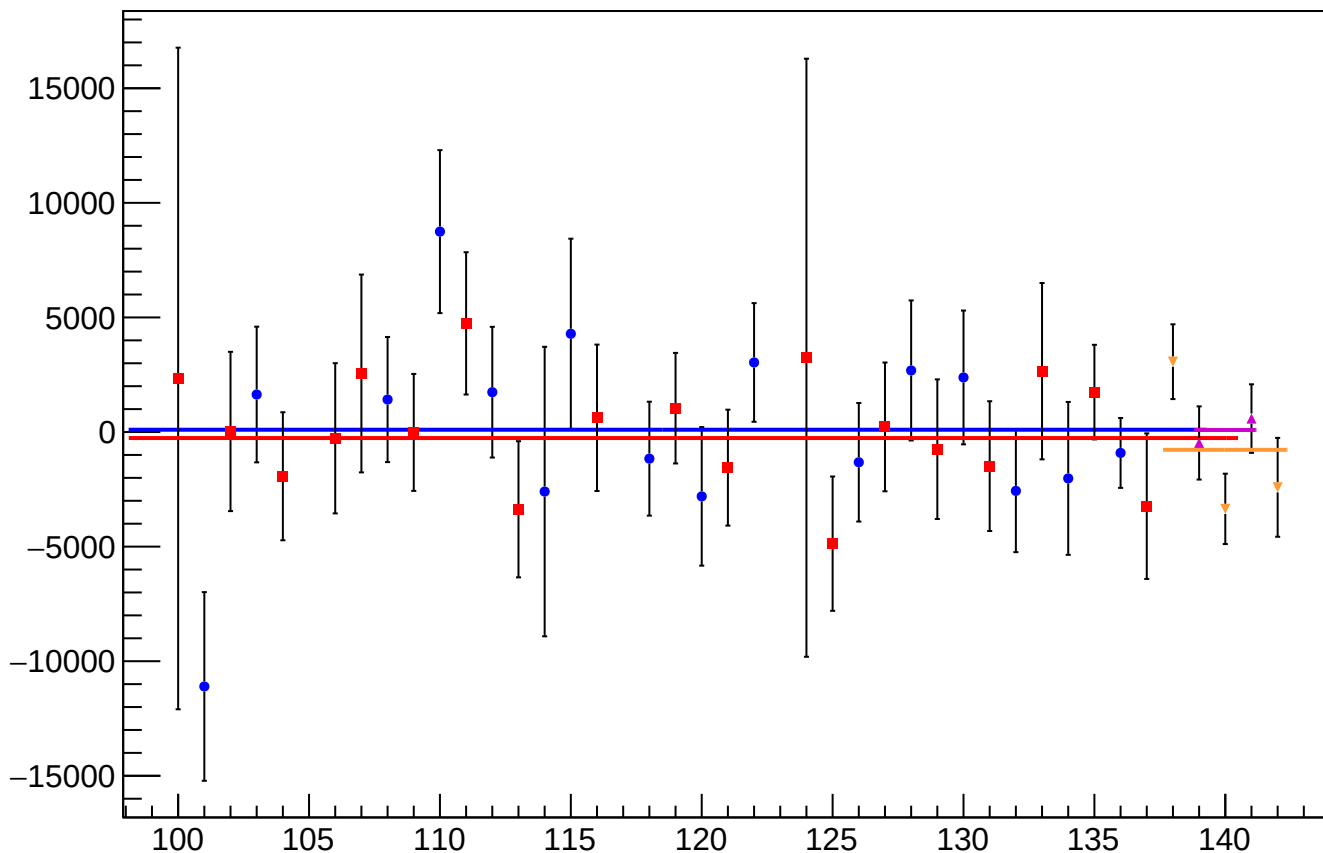
Left In: 623.564+/-0.339 χ^2/NDF : 60777.2/1

+ sign 832.884+/-0.210 χ^2/NDF : 2736130.9/18

All: 866.559+/-0.156 χ^2/NDF : 5652911.0/39

- sign 907.325+/-0.231 χ^2/NDF : 2860107.2/20

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451 $\pm$ 698.983 χ^2 /NDF: 21.3/15

Left Out: -776.279 $\pm$ 992.664 χ^2 /NDF: 8.9/2

Right Out: -262.731 $\pm$ 699.724 χ^2 /NDF: 10.3/18

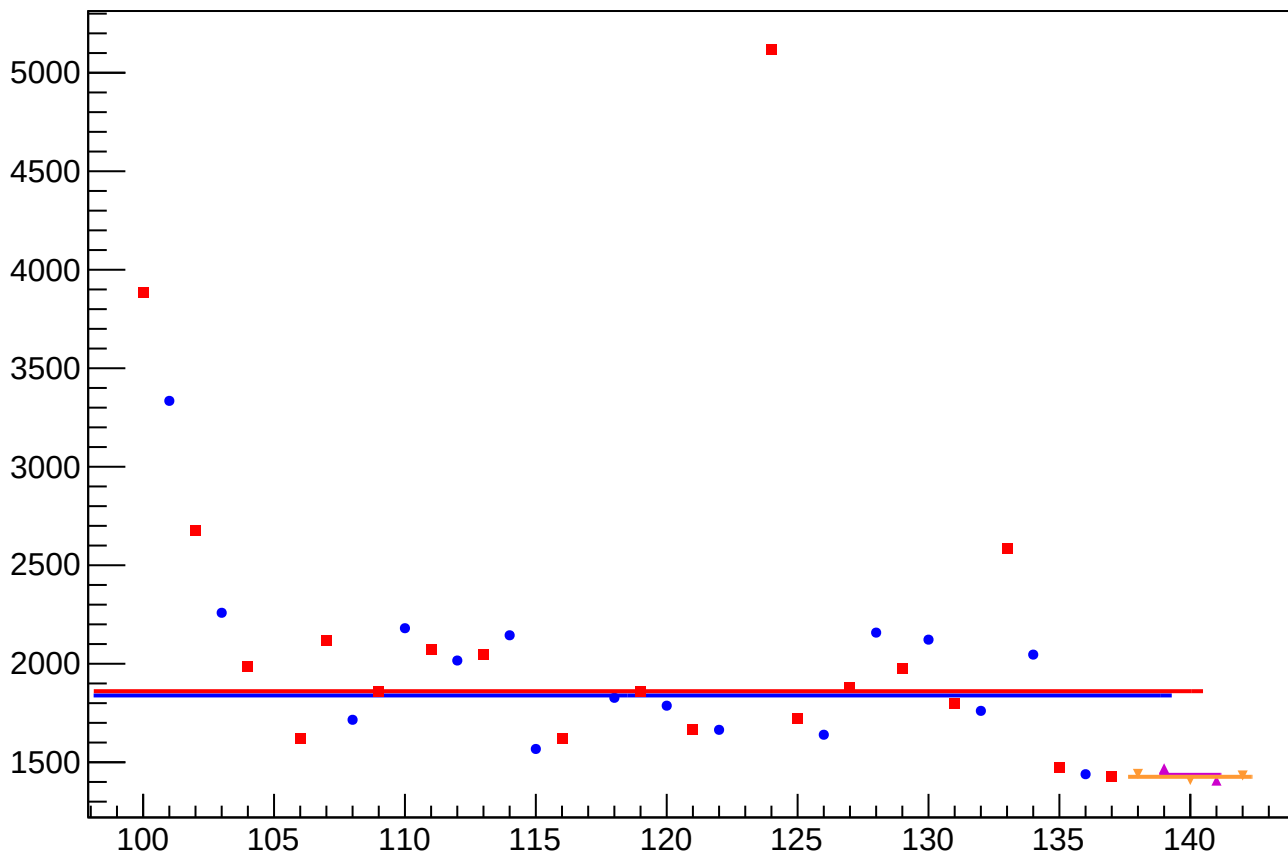
Left In: 90.169 $\pm$ 1091.699 χ^2 /NDF: 0.2/1

+ sign -190.161 $\pm$ 571.513 χ^2 /NDF: 30.8/18

All: -175.523 $\pm$ 410.199 χ^2 /NDF: 41.4/39

- sign -159.970 $\pm$ 589.104 χ^2 /NDF: 10.6/20

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF : 556725.4/15

Left Out: 1426.148+/-0.702 χ^2/NDF : 408.9/2

Right Out: 1860.754+/-0.495 χ^2/NDF : 522114.2/18

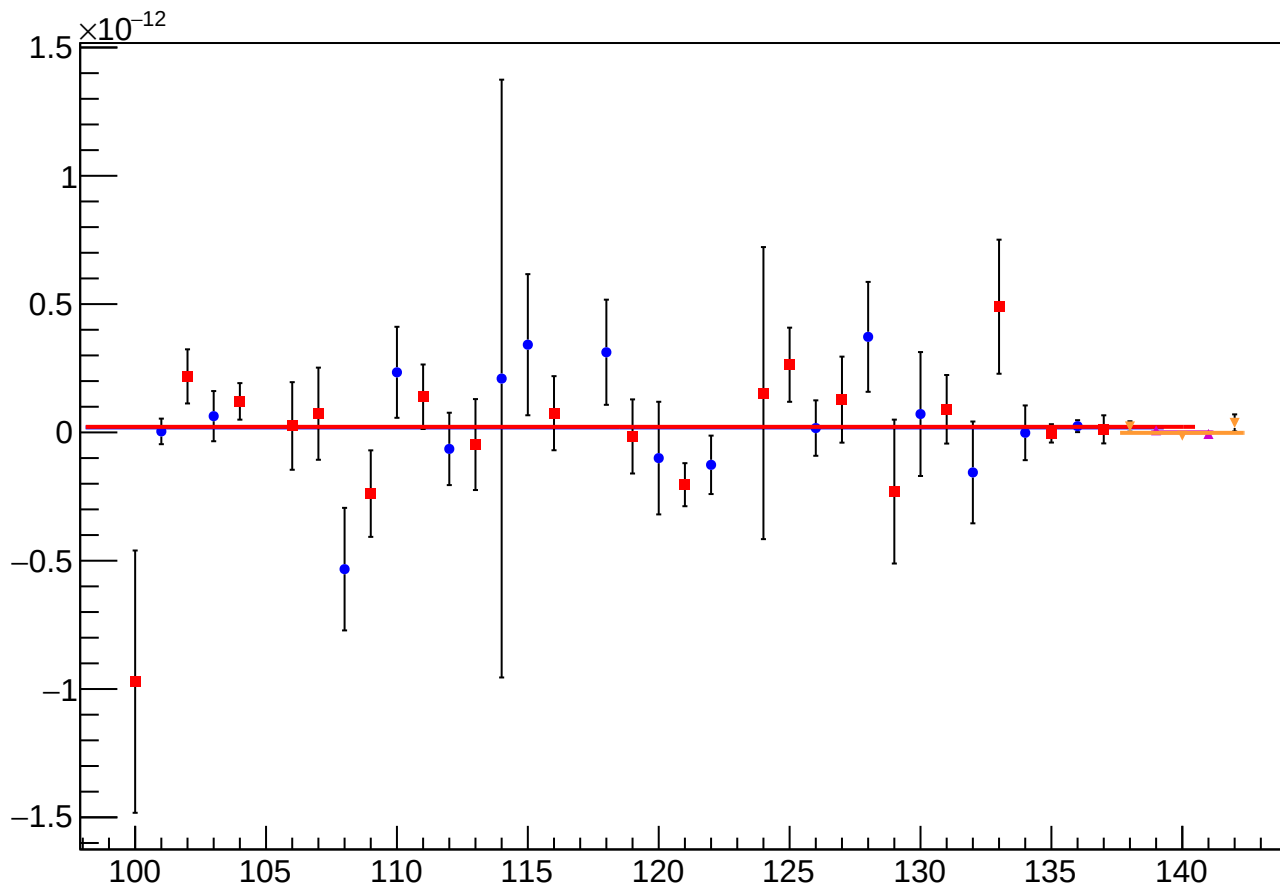
Left In: 1436.114+/-0.772 χ^2/NDF : 1630.3/1

+ sign 1702.227+/-0.404 χ^2/NDF : 788538.8/18

All: 1719.137+/-0.290 χ^2/NDF : 1530380.0/39

- sign 1737.105+/-0.417 χ^2/NDF : 738229.7/20

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 : 3.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 28.2/18

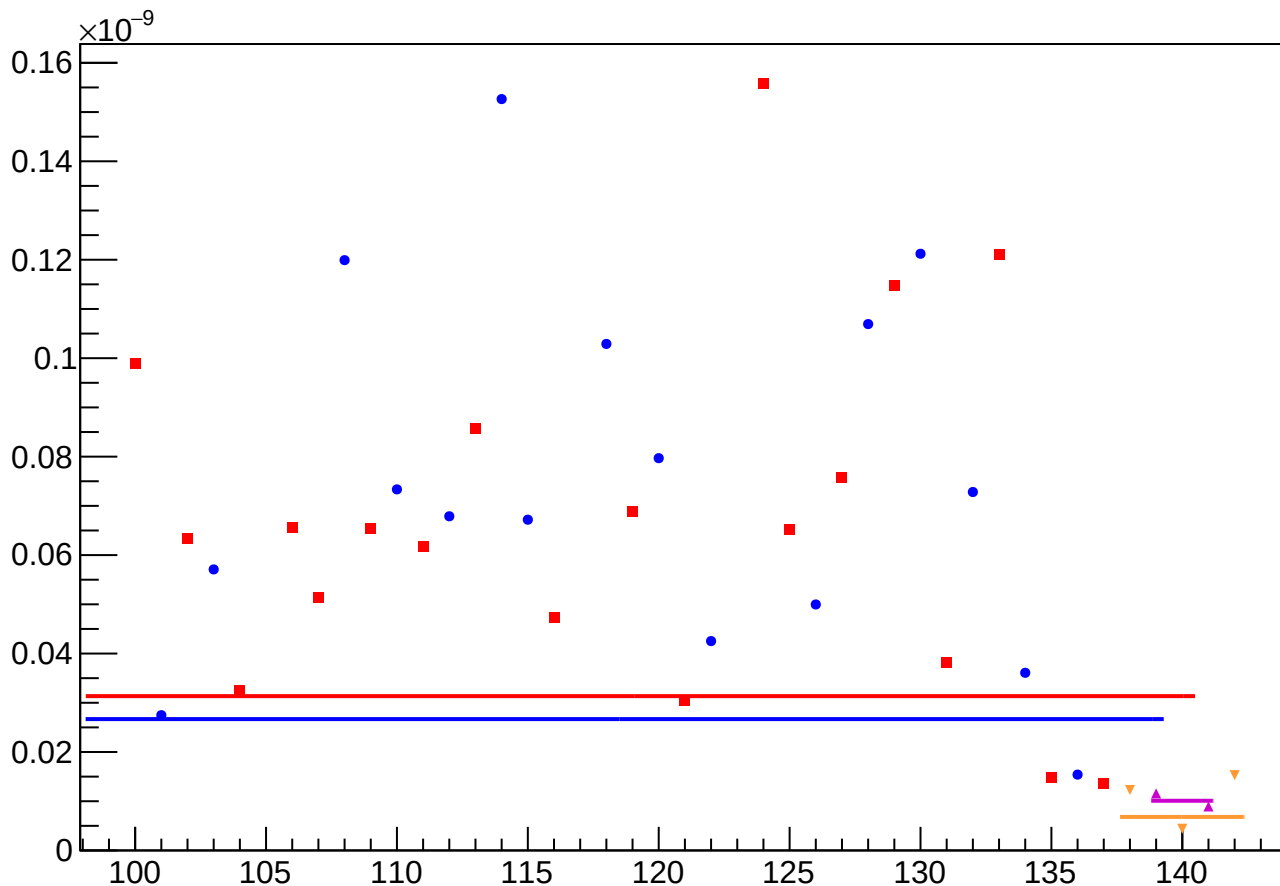
Left In: 0.000+/-0.000 χ^2/NDF : 0.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 21.4/18

All: 0.000+/-0.000 χ^2/NDF : 50.7/39

- sign 0.000+/-0.000 χ^2/NDF : 29.2/20

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 377896.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2275167.3/18

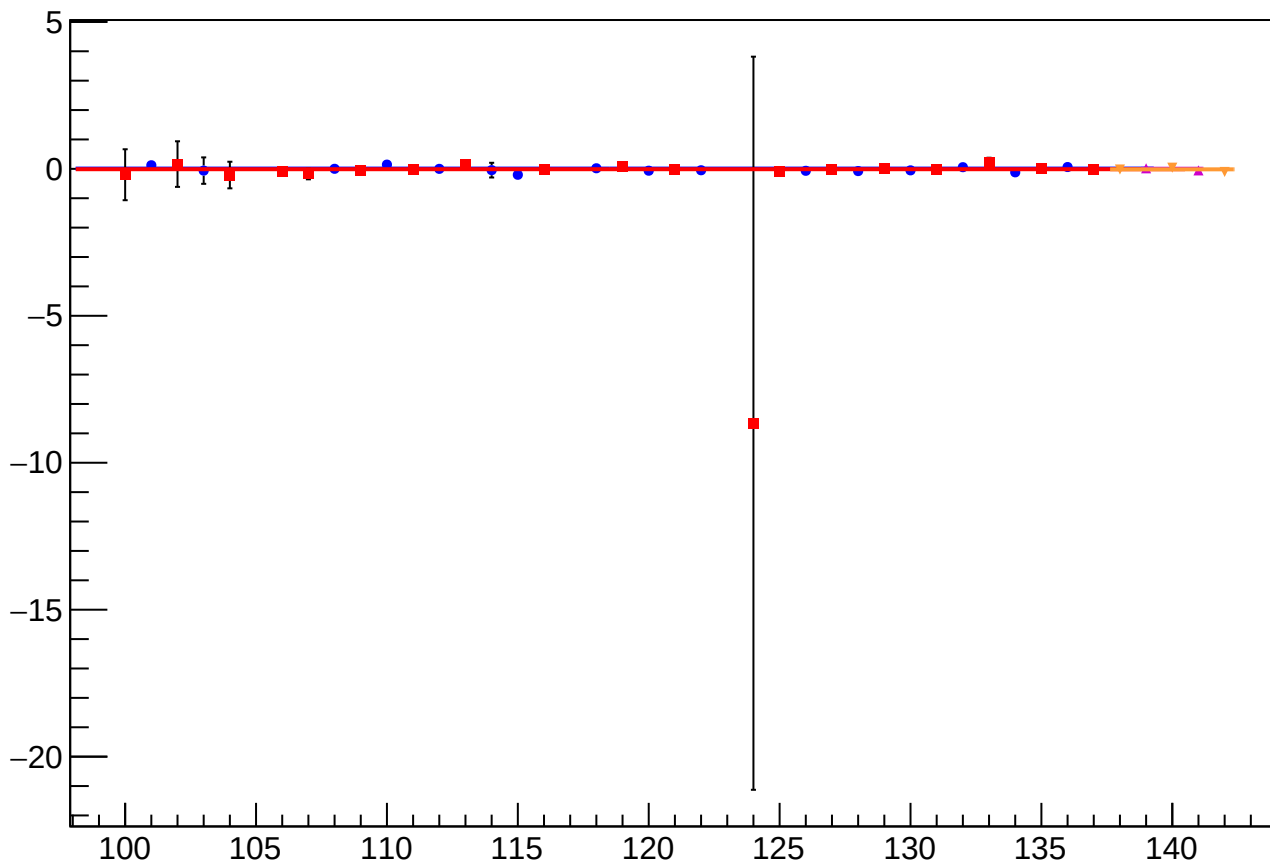
Left In: 0.000+/-0.000 χ^2/NDF : 22407.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 4769393.8/18

All: 0.000+/-0.000 χ^2/NDF : 8679607.4/39

- sign 0.000+/-0.000 χ^2/NDF : 3688551.0/20

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: -0.017 ± 0.024 χ^2/NDF : 2.3/2

Right Out: -0.012 ± 0.017 χ^2/NDF : 12.6/18

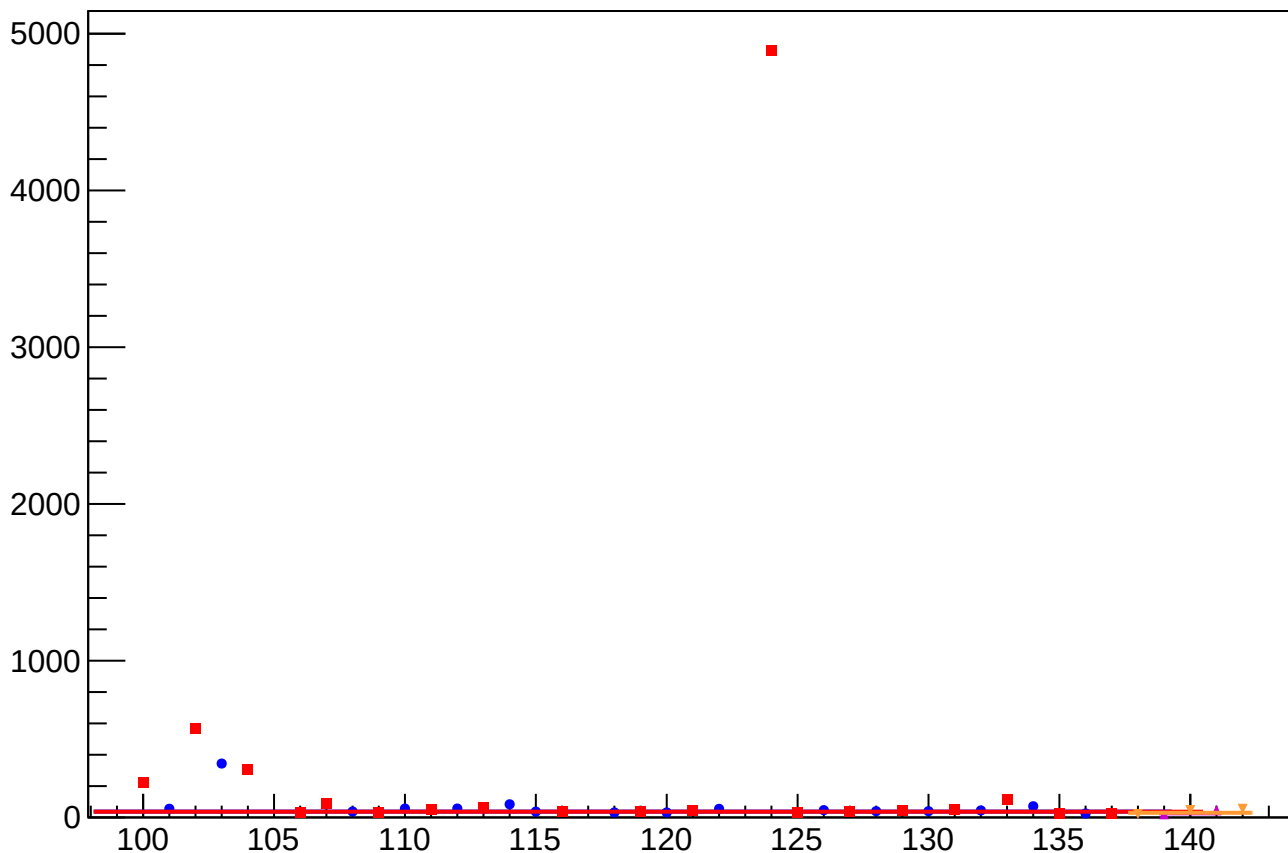
Left In: 0.003 ± 0.024 χ^2/NDF : 1.4/1

+ sign 0.001 ± 0.013 χ^2/NDF : 22.3/18

All: -0.003 ± 0.010 χ^2/NDF : 36.8/39

- sign -0.007 ± 0.014 χ^2/NDF : 14.3/20

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: 29.781 $\pm$ 0.017 χ^2 /NDF: 530972.8/2

Right Out: 36.767 $\pm$ 0.012 χ^2 /NDF: 3190700.2/18

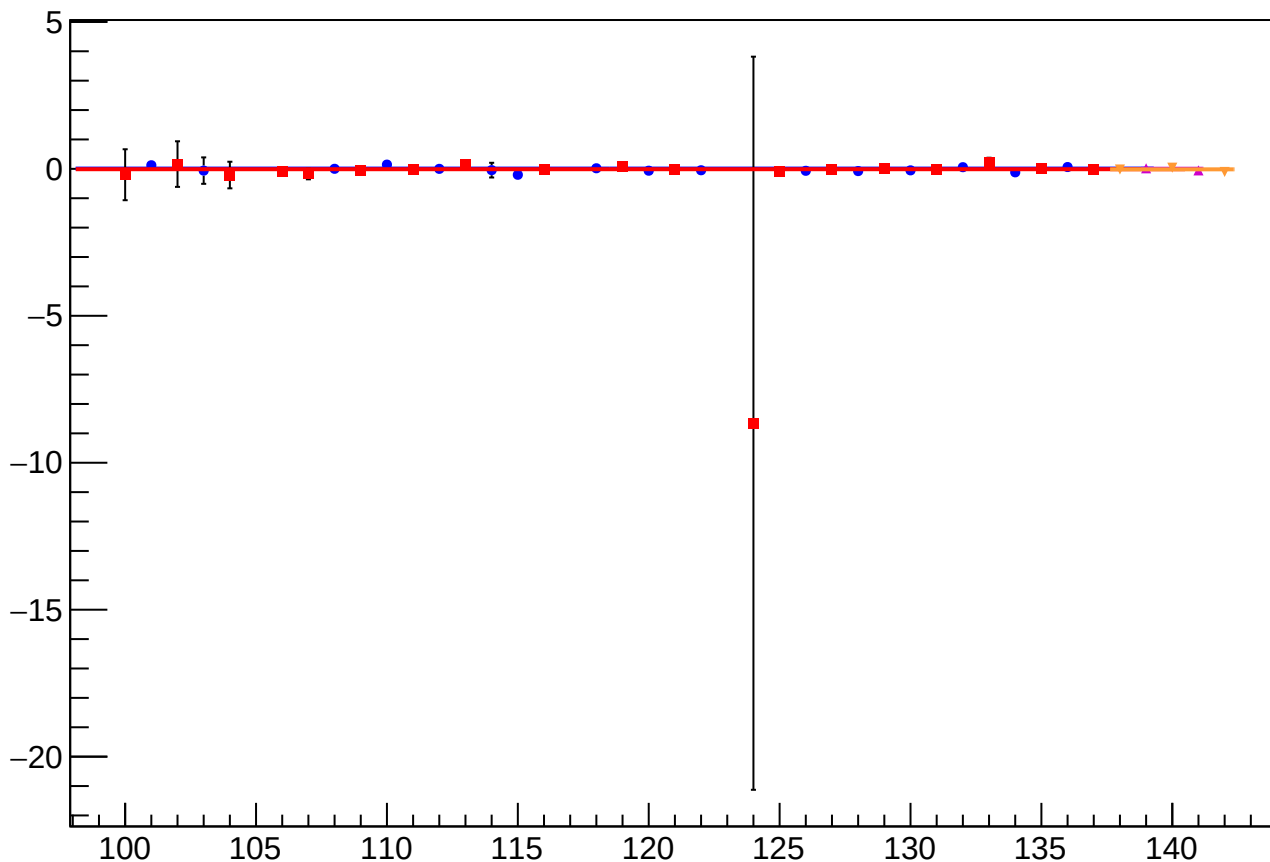
Left In: 26.130 $\pm$ 0.017 χ^2 /NDF: 417356.7/1

+ sign 35.131 $\pm$ 0.009 χ^2 /NDF: 2655264.6/18

All: 34.265 $\pm$ 0.007 χ^2 /NDF: 6542982.4/39

- sign 33.359 $\pm$ 0.010 χ^2 /NDF: 3870597.1/20

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: -0.017 ± 0.024 χ^2/NDF : 2.3/2

Right Out: -0.012 ± 0.017 χ^2/NDF : 12.6/18

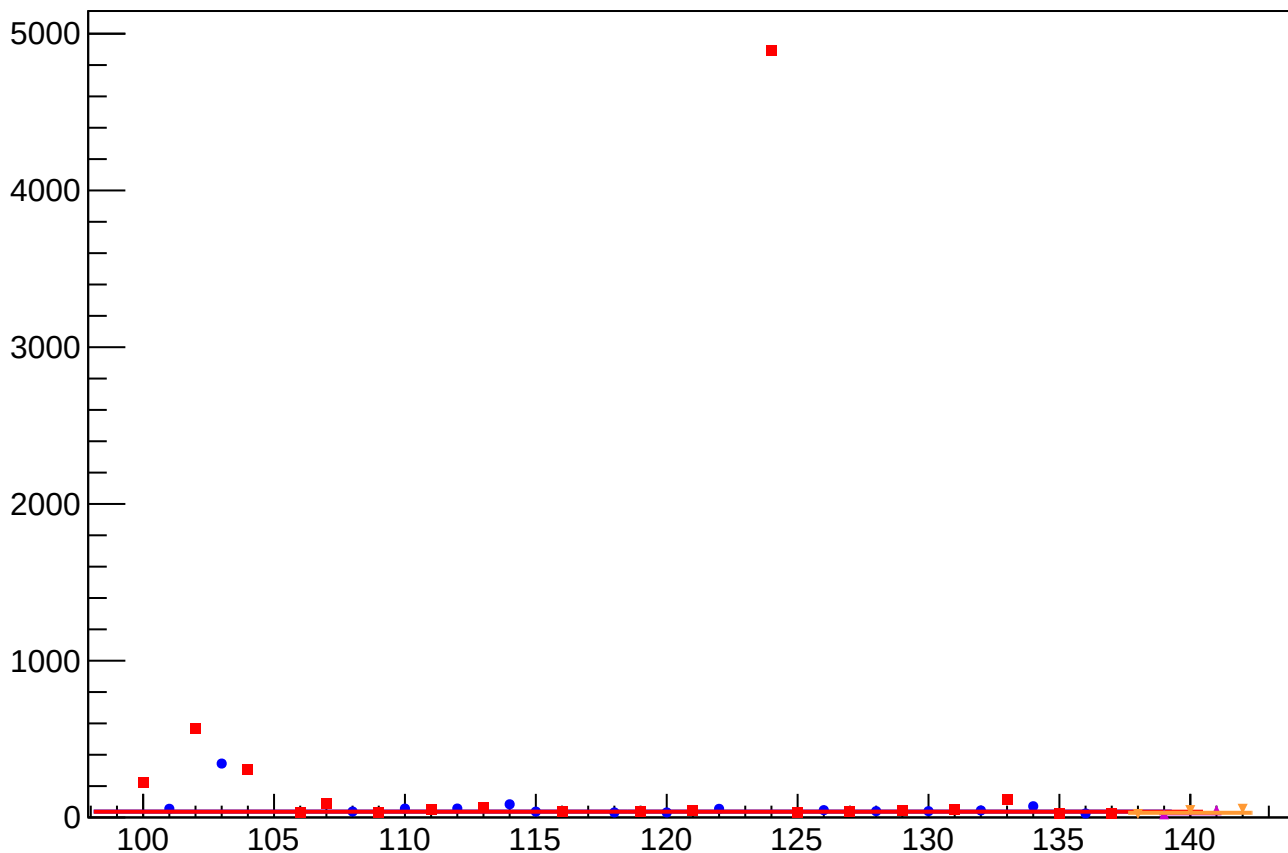
Left In: 0.003 ± 0.024 χ^2/NDF : 1.4/1

+ sign 0.001 ± 0.013 χ^2/NDF : 22.3/18

All: -0.003 ± 0.010 χ^2/NDF : 36.8/39

- sign -0.007 ± 0.014 χ^2/NDF : 14.3/20

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: 29.781 $\pm$ 0.017 χ^2 /NDF: 530972.8/2

Right Out: 36.767 $\pm$ 0.012 χ^2 /NDF: 3190700.2/18

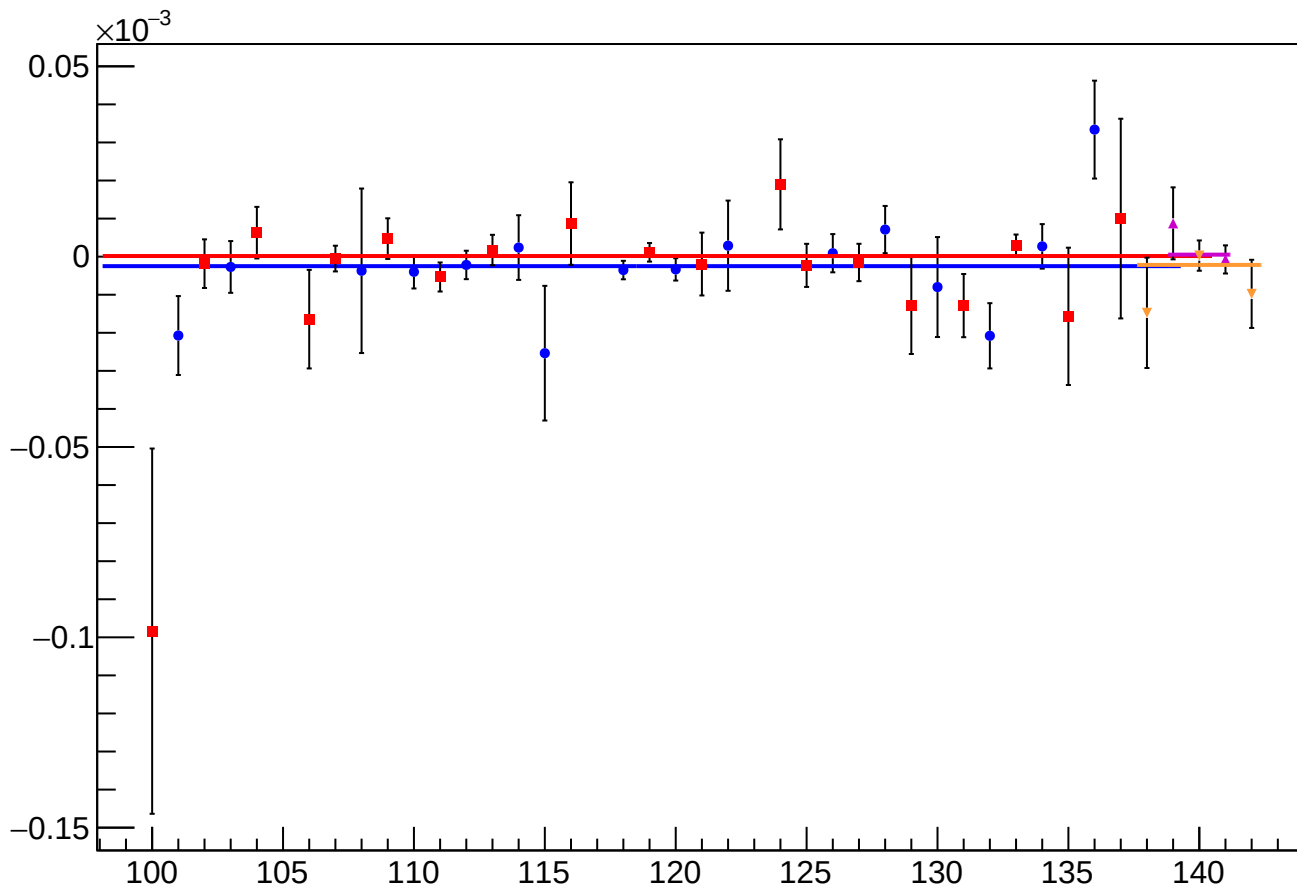
Left In: 26.130 $\pm$ 0.017 χ^2 /NDF: 417356.7/1

+ sign 35.131 $\pm$ 0.009 χ^2 /NDF: 2655264.6/18

All: 34.265 $\pm$ 0.007 χ^2 /NDF: 6542982.4/39

- sign 33.359 $\pm$ 0.010 χ^2 /NDF: 3870597.1/20

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: 1.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/18

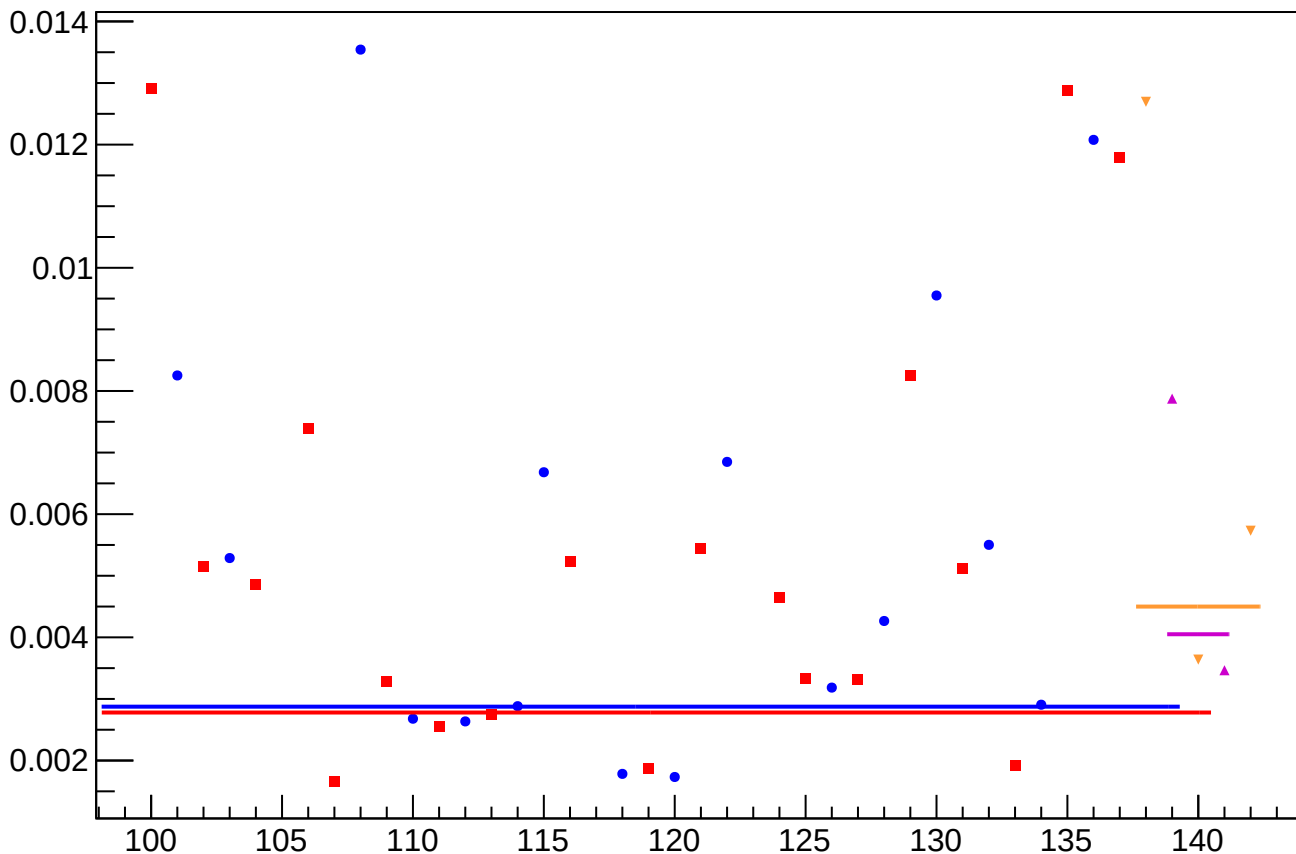
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.7/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 46.0/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/20

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: 0.004+/-0.000 χ^2/NDF : 771050.3/2

Right Out: 0.003+/-0.000 χ^2/NDF : 3311178.7/18

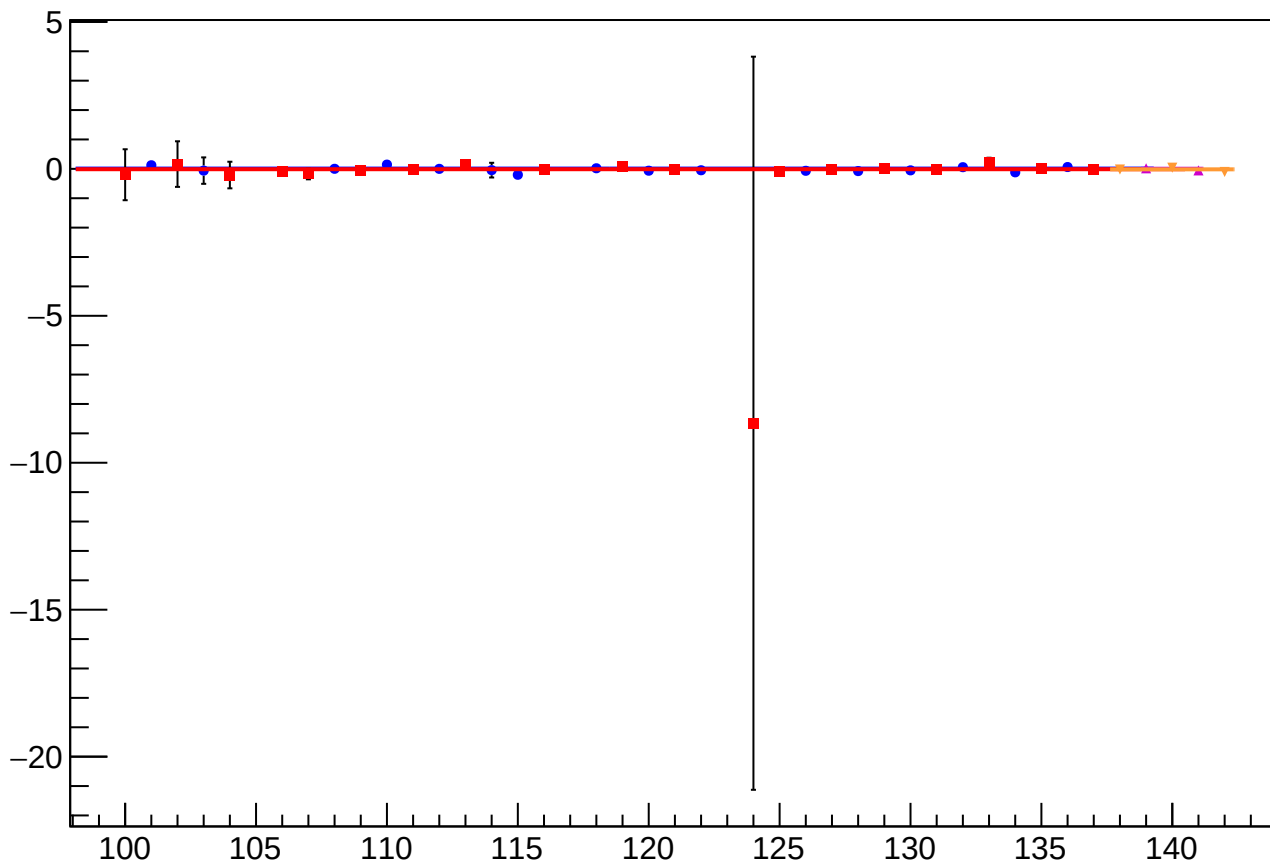
Left In: 0.004+/-0.000 χ^2/NDF : 377253.9/1

+ sign 0.003+/-0.000 χ^2/NDF : 5296656.6/18

All: 0.003+/-0.000 χ^2/NDF : 9247713.2/39

- sign 0.003+/-0.000 χ^2/NDF : 3932658.3/20

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.016 χ^2 /NDF: 19.3/15

Left Out: -0.017 $\pm$ 0.024 χ^2 /NDF: 2.3/2

Right Out: -0.013 $\pm$ 0.017 χ^2 /NDF: 12.6/18

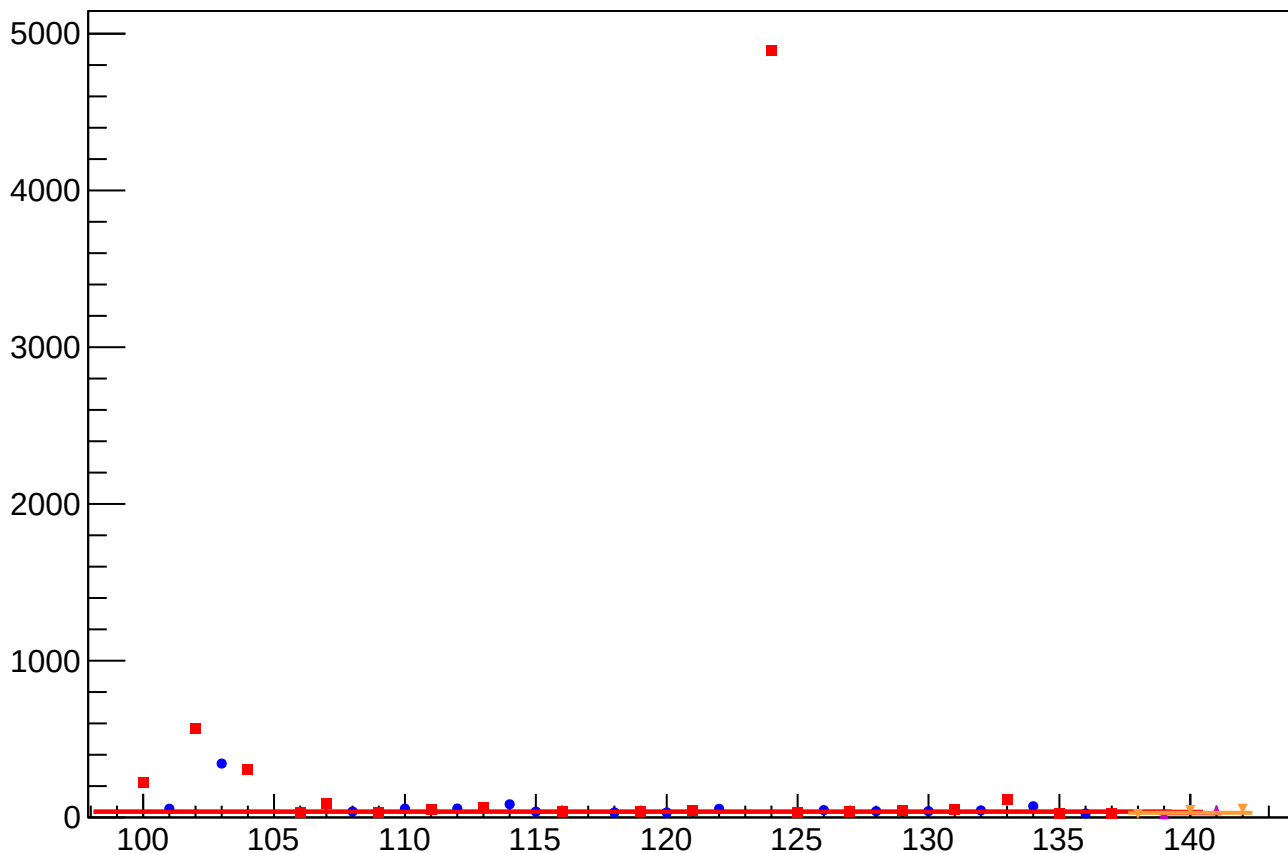
Left In: 0.003 $\pm$ 0.024 χ^2 /NDF: 1.4/1

+ sign 0.001 $\pm$ 0.013 χ^2 /NDF: 22.3/18

All: -0.003 $\pm$ 0.010 χ^2 /NDF: 36.8/39

- sign -0.007 $\pm$ 0.014 χ^2 /NDF: 14.3/20

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: 29.777 $\pm$ 0.017 χ^2 /NDF: 531269.7/2

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

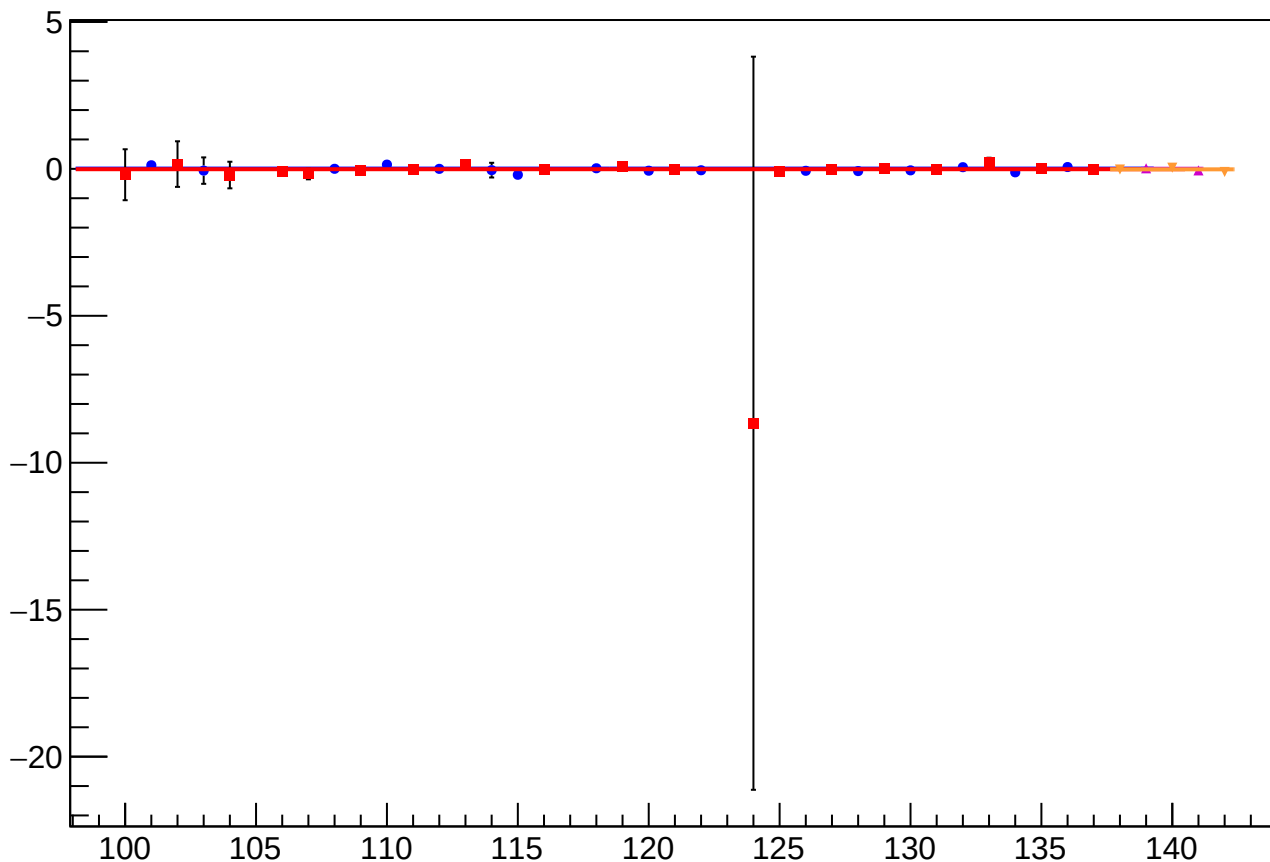
Left In: 26.140 $\pm$ 0.017 χ^2 /NDF: 417082.2/1

+ sign 35.130 $\pm$ 0.009 χ^2 /NDF: 2655674.4/18

All: 34.267 $\pm$ 0.007 χ^2 /NDF: 6542212.7/39

- sign 33.364 $\pm$ 0.010 χ^2 /NDF: 3869541.2/20

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: -0.017 ± 0.024 χ^2/NDF : 2.3/2

Right Out: -0.013 ± 0.017 χ^2/NDF : 12.6/18

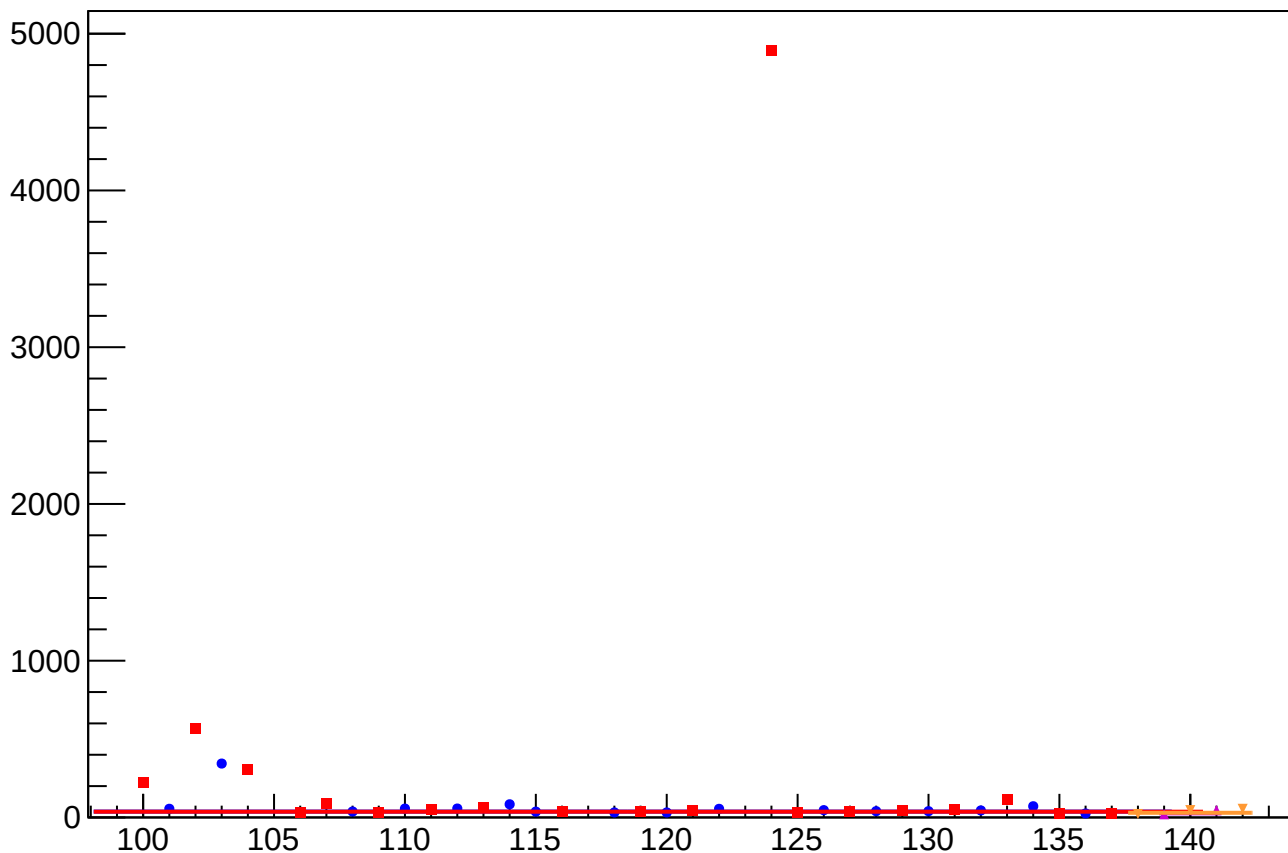
Left In: 0.003 ± 0.024 χ^2/NDF : 1.4/1

+ sign 0.001 ± 0.013 χ^2/NDF : 22.3/18

All: -0.003 ± 0.010 χ^2/NDF : 36.8/39

- sign -0.007 ± 0.014 χ^2/NDF : 14.3/20

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF : 1983206.3/15

Left Out: 29.777+/-0.017 χ^2/NDF : 531269.7/2

Right Out: 36.769+/-0.012 χ^2/NDF : 3190400.7/18

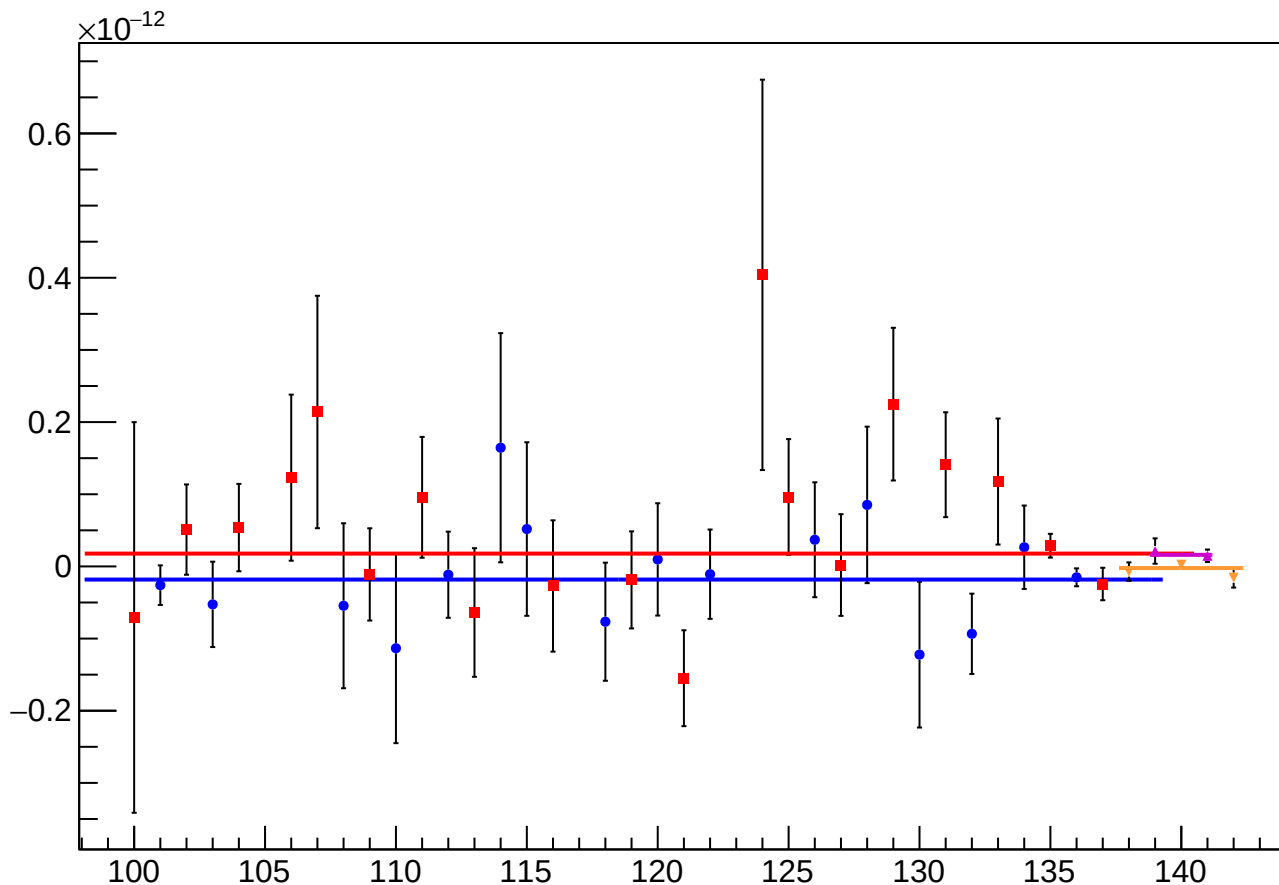
Left In: 26.140+/-0.017 χ^2/NDF : 417082.2/1

+ sign 35.130+/-0.009 χ^2/NDF : 2655674.4/18

All: 34.267+/-0.007 χ^2/NDF : 6542212.7/39

- sign 33.364+/-0.010 χ^2/NDF : 3869541.2/20

asym_at1_dd_at2_dd_avg_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 : 1.6/2

Right Out: 0.000+/-0.000 χ^2/NDF : 27.3/18

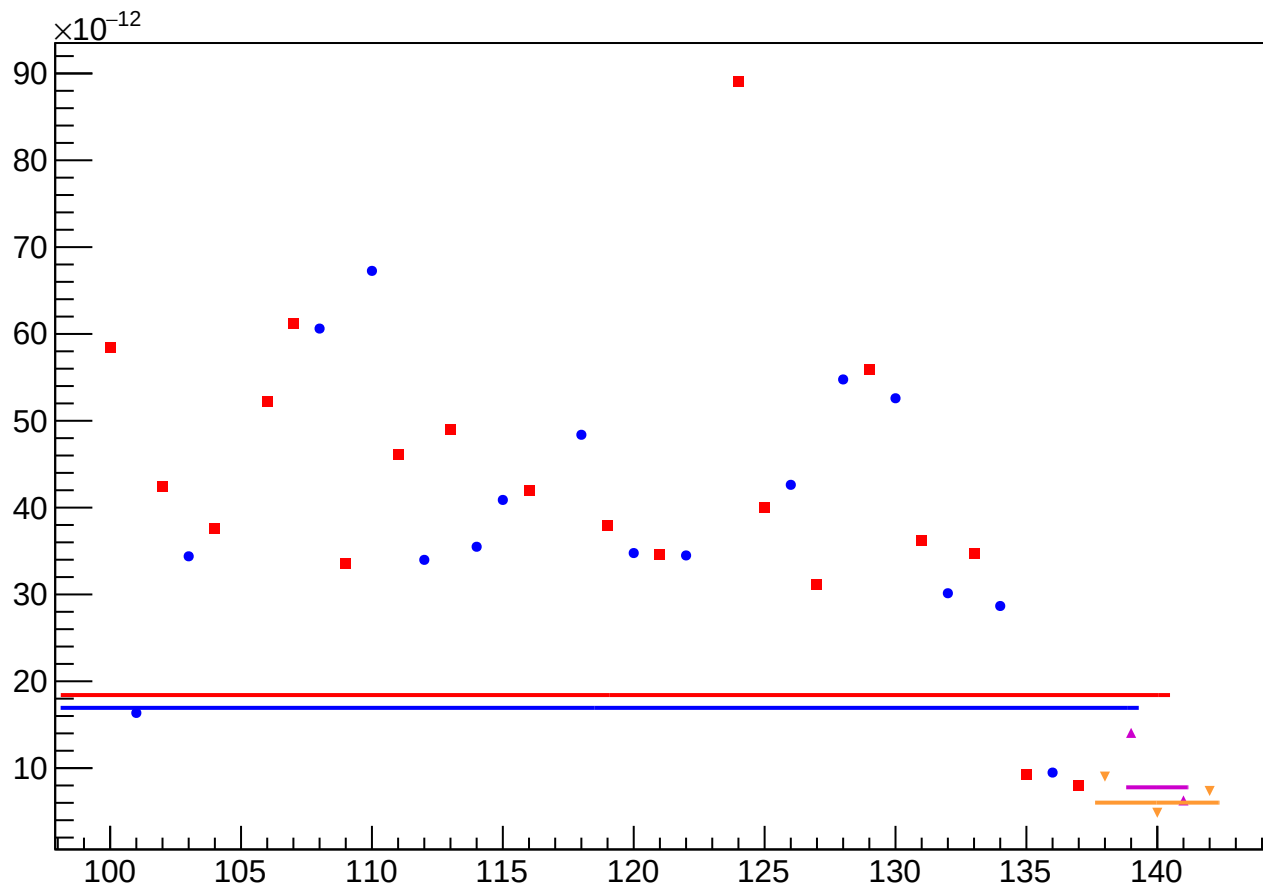
Left In: 0.000+/-0.000 χ^2/NDF : 0.1/1

+ sign -0.000+/-0.000 χ^2/NDF : 11.9/18

All: 0.000+/-0.000 χ^2/NDF : 47.3/39

- sign 0.000+/-0.000 χ^2/NDF : 27.4/20

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 :189485.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3674861.8/18

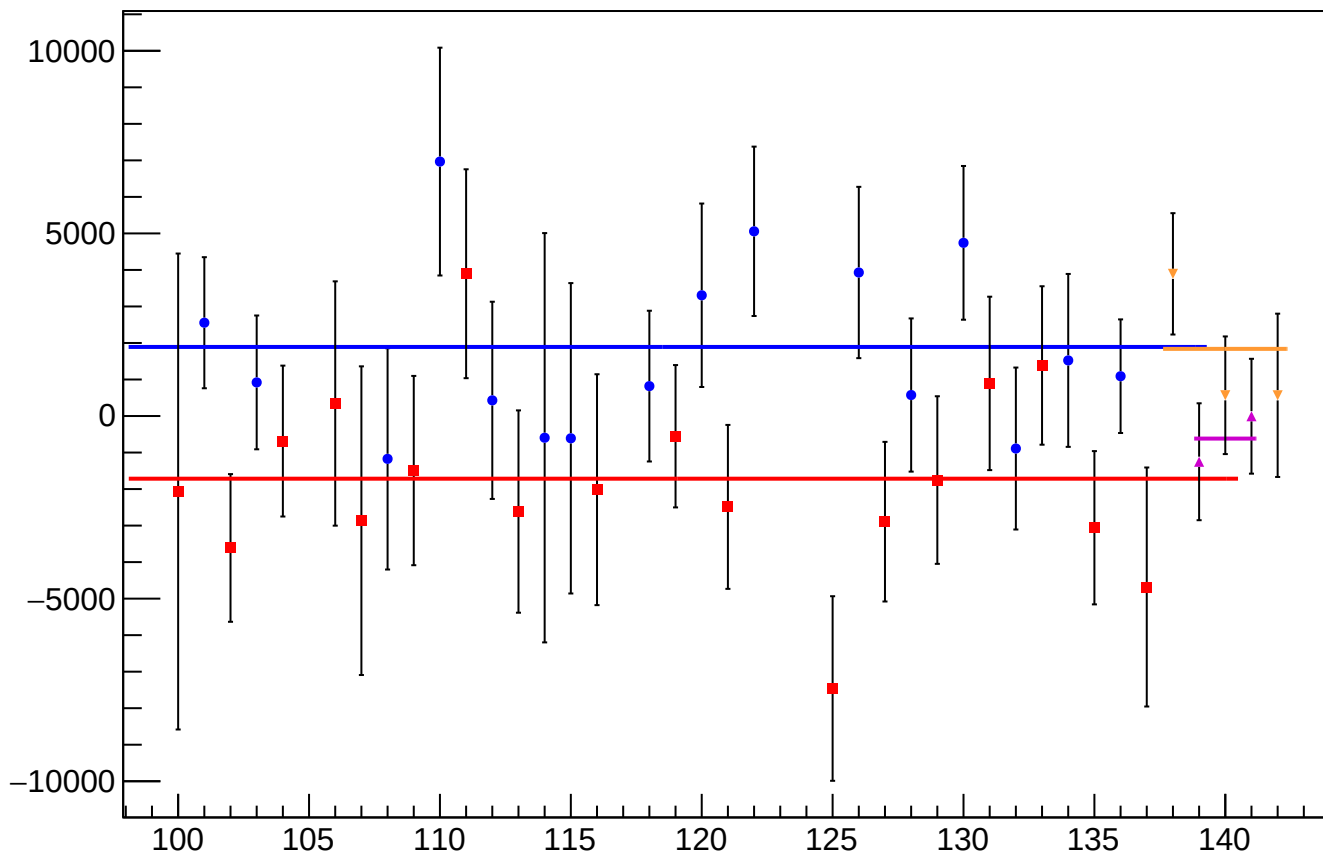
Left In: 0.000+/-0.000 χ^2/NDF :316105.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 5255389.2/18

All: 0.000+/-0.000 χ^2/NDF : 10719314.2/39

- sign 0.000+/-0.000 χ^2/NDF : 5230849.0/20

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457 $\pm$ 572.244 χ^2 /NDF: 12.2/15

Left Out: 1838.790 $\pm$ 1027.211 χ^2 /NDF:2.5/2

Right Out: -1715.909 $\pm$ 589.518 χ^2 /NDF: 16.0/17

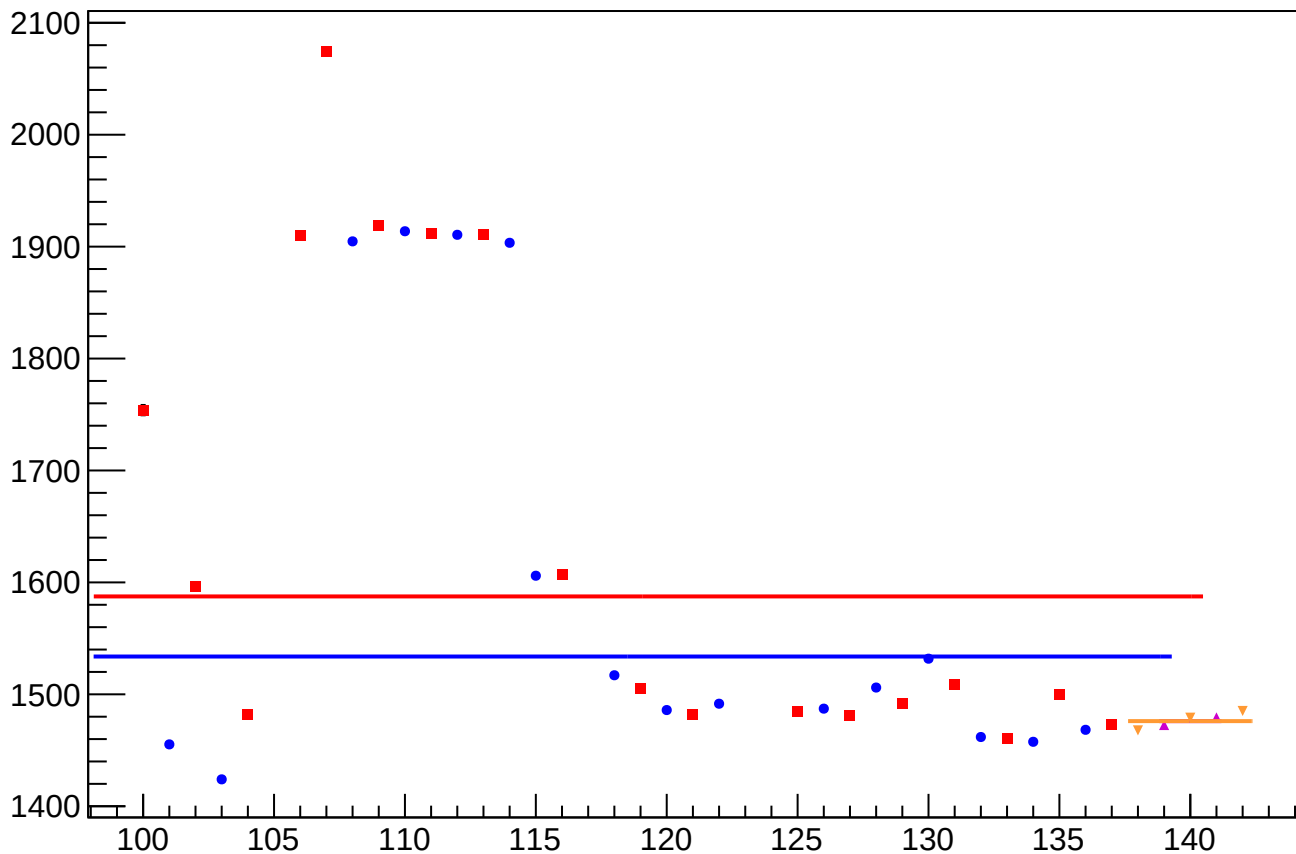
Left In: -617.778 $\pm$ 1121.714 χ^2 /NDF:0.3/1

+ sign 1878.983 $\pm$ 499.906 χ^2 /NDF: 14.7/18

All: 272.404 $\pm$ 360.992 χ^2 /NDF: 53.3/38

- sign -1478.245 $\pm$ 521.840 χ^2 /NDF: 17.0/19

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF : 129271.6/15

Left Out: 1476.053+/-0.726 χ^2/NDF : 89.6/2

Right Out: 1587.461+/-0.417 χ^2/NDF : 171988.2/17

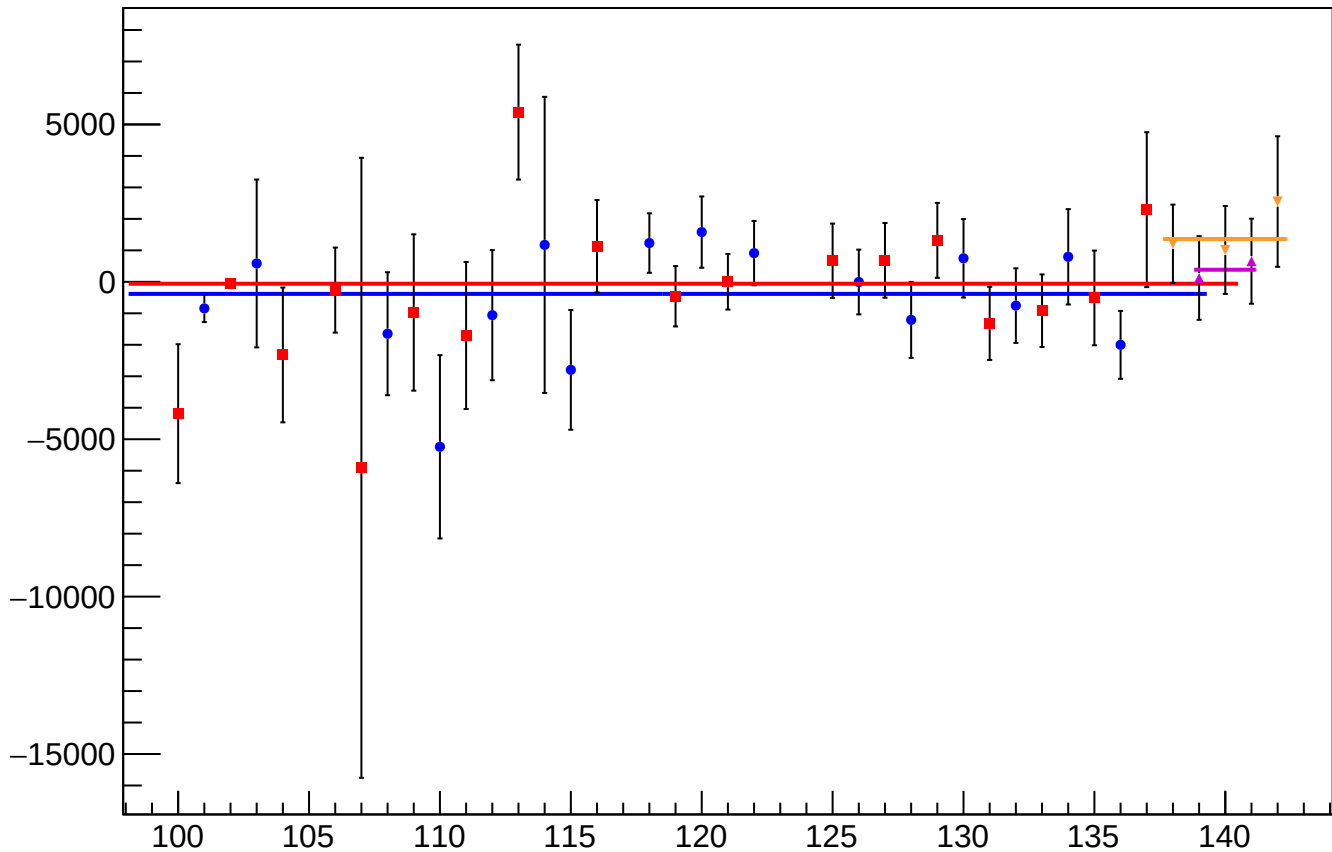
Left In: 1476.042+/-0.793 χ^2/NDF : 18.4/1

+ sign 1520.101+/-0.353 χ^2/NDF : 134180.0/18

All: 1540.796+/-0.255 χ^2/NDF : 328811.5/38

- sign 1563.347+/-0.369 χ^2/NDF : 187468.8/19

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787+/-272.209 χ^2/NDF : 18.2/15

Left Out: 1361.339+/-847.581 χ^2/NDF : 0.4/2

Right Out: -59.970+/-127.700 χ^2/NDF : 17.8/17

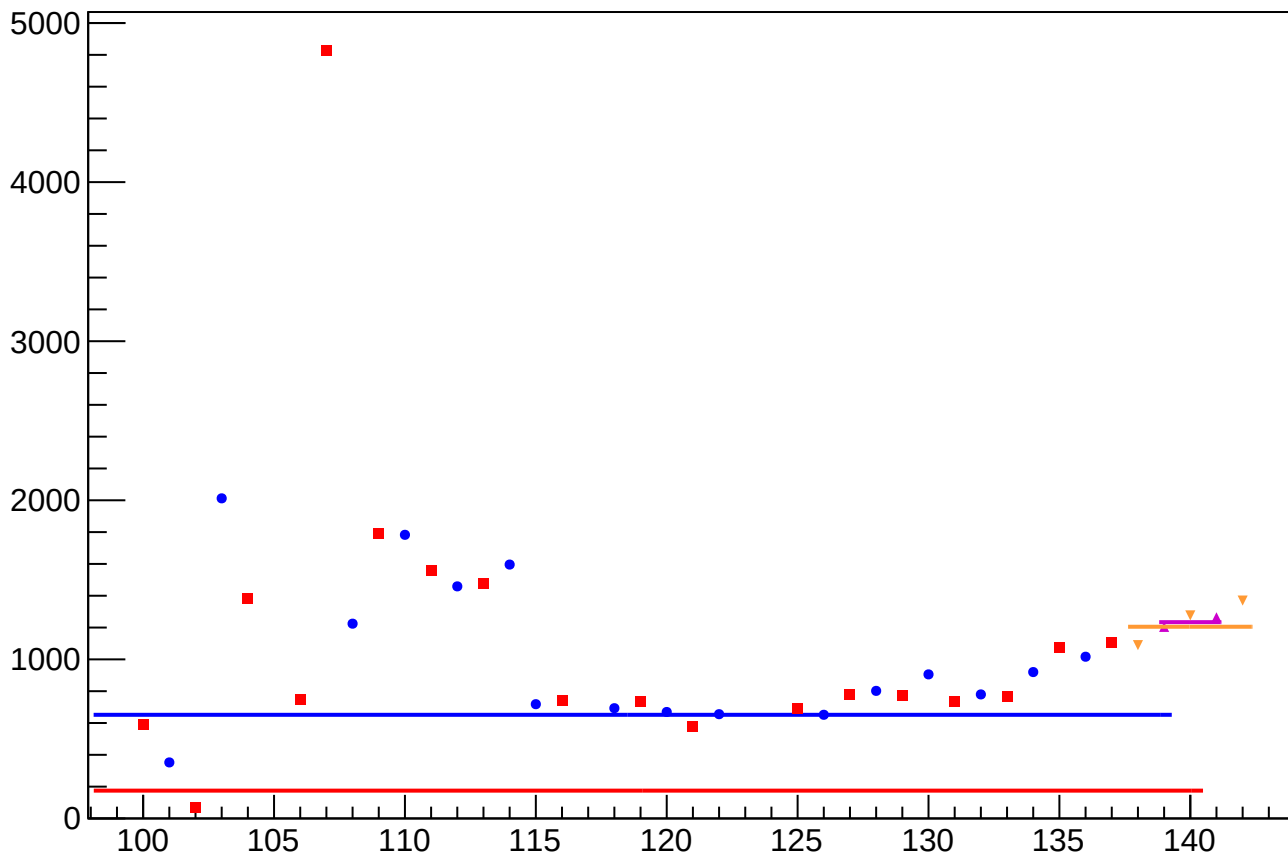
Left In: 384.402+/-947.619 χ^2/NDF : 0.1/1

+ sign -219.712+/-259.171 χ^2/NDF : 22.4/18

All: -84.327+/-113.722 χ^2/NDF : 40.9/38

- sign -52.045+/-126.556 χ^2/NDF : 18.1/19

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF : 2762656.2/15

Left Out: 1205.068+/-0.599 χ^2/NDF : 35119.1/2

Right Out: 174.898+/-0.090 χ^2/NDF : 9761228.2/17

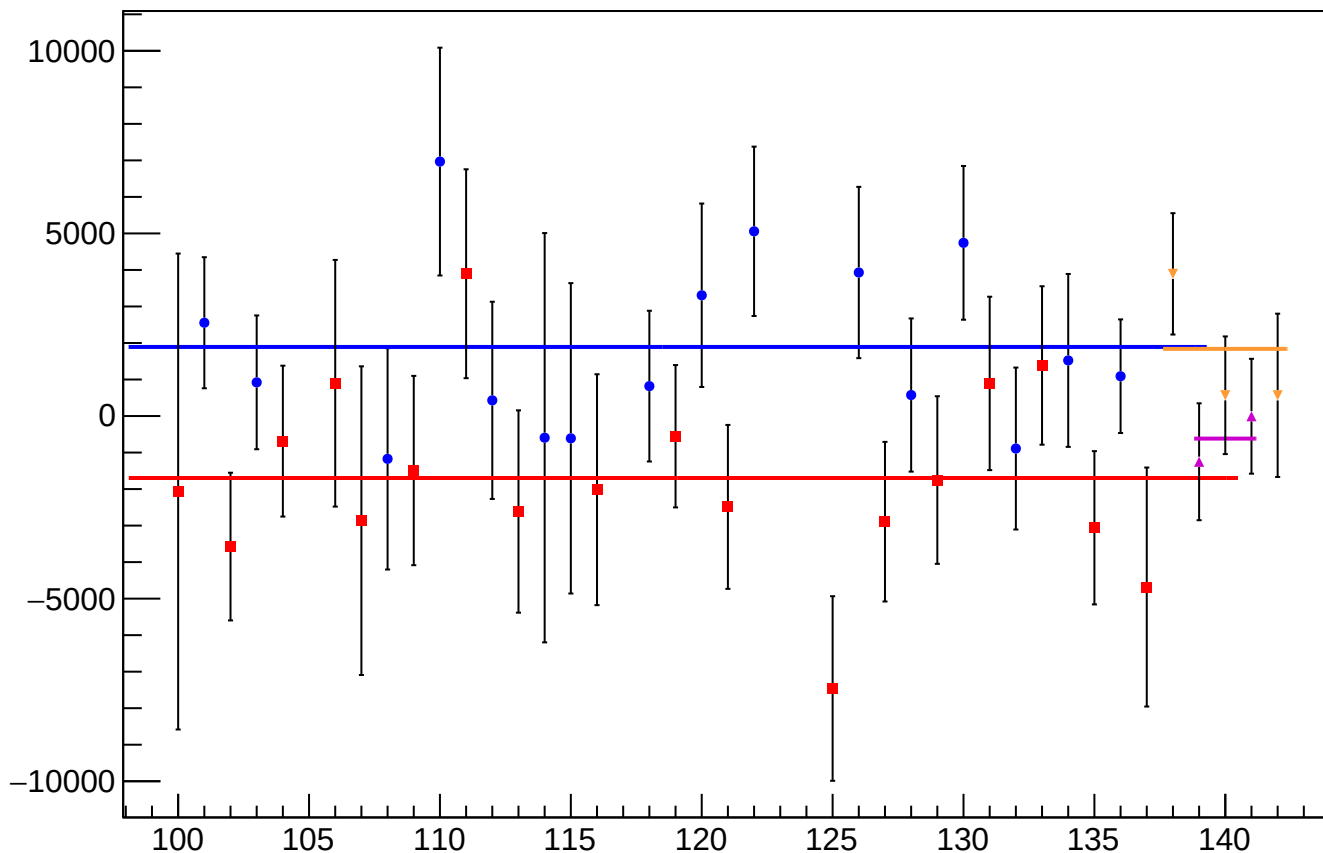
Left In: 1233.965+/-0.670 χ^2/NDF : 2028.3/1

+ sign 703.279+/-0.183 χ^2/NDF : 3571063.2/18

All: 291.885+/-0.080 χ^2/NDF : 22028834.6/30

- sign 193.788+/-0.089 χ^2/NDF : 12216798.5/19

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562 $\pm$ 572.244 χ^2 /NDF: 12.2/15

Left Out: 1838.858 $\pm$ 1027.211 χ^2 /NDF: 2.5/2

Right Out: -1696.987 $\pm$ 589.699 χ^2 /NDF: 16.2/17

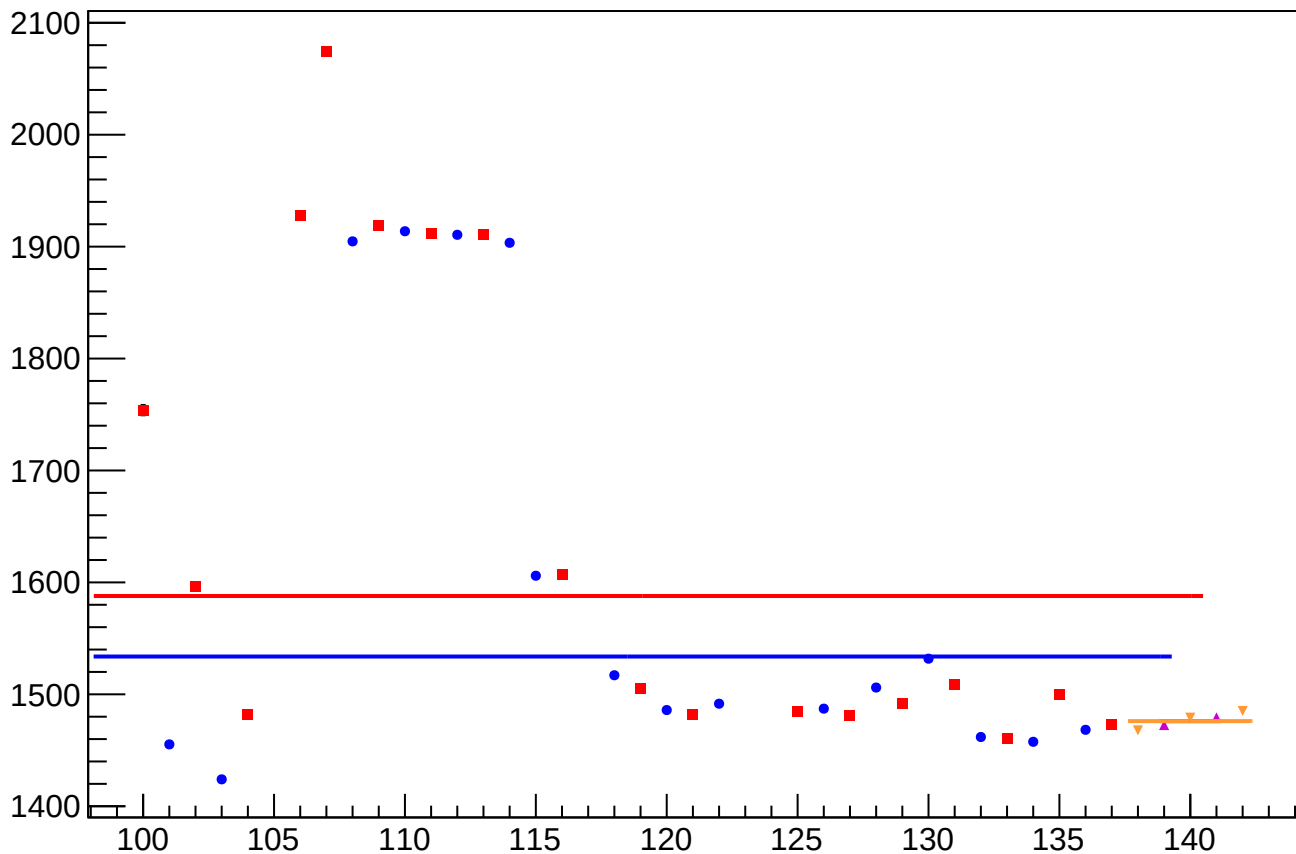
Left In: -618.030 $\pm$ 1121.714 χ^2 /NDF: 0.3/1

+ sign 1879.079 $\pm$ 499.906 χ^2 /NDF: 14.7/18

All: 279.979 $\pm$ 361.034 χ^2 /NDF: 53.3/38

- sign -1463.360 $\pm$ 521.965 χ^2 /NDF: 17.2/19

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF : 129271.5/15

Left Out: 1476.053+/-0.726 χ^2/NDF : 89.6/2

Right Out: 1587.846+/-0.417 χ^2/NDF : 173766.9/17

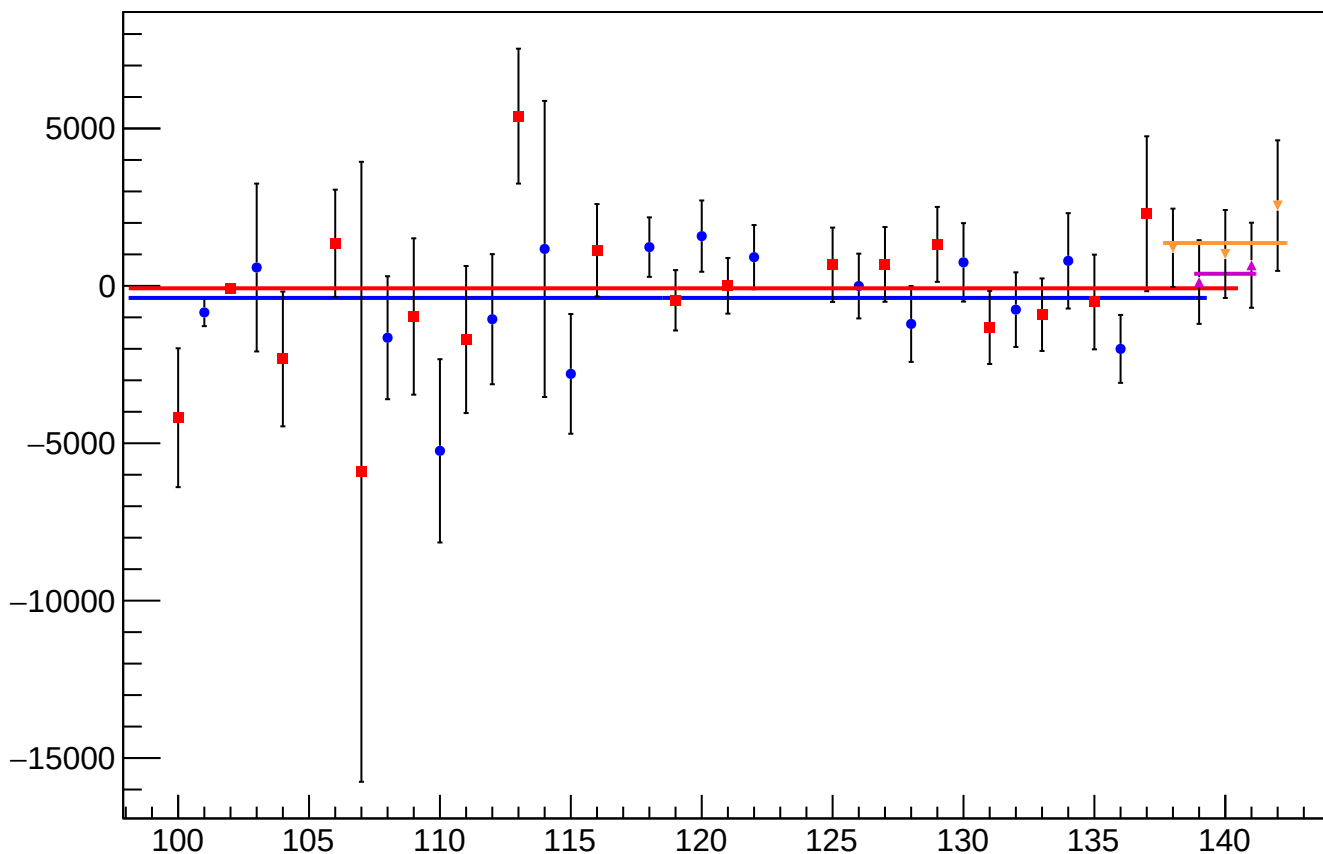
Left In: 1476.042+/-0.793 χ^2/NDF : 18.4/1

+ sign 1520.101+/-0.353 χ^2/NDF : 134180.0/18

All: 1540.930+/-0.255 χ^2/NDF : 330789.5/38

- sign 1563.637+/-0.369 χ^2/NDF : 189352.3/19

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -382.761+/-272.209 χ^2/NDF : 18.2/15

Left Out: 1361.434+/-847.584 χ^2/NDF : 0.4/2

Right Out: -76.754+/-138.137 χ^2/NDF : 18.5/17

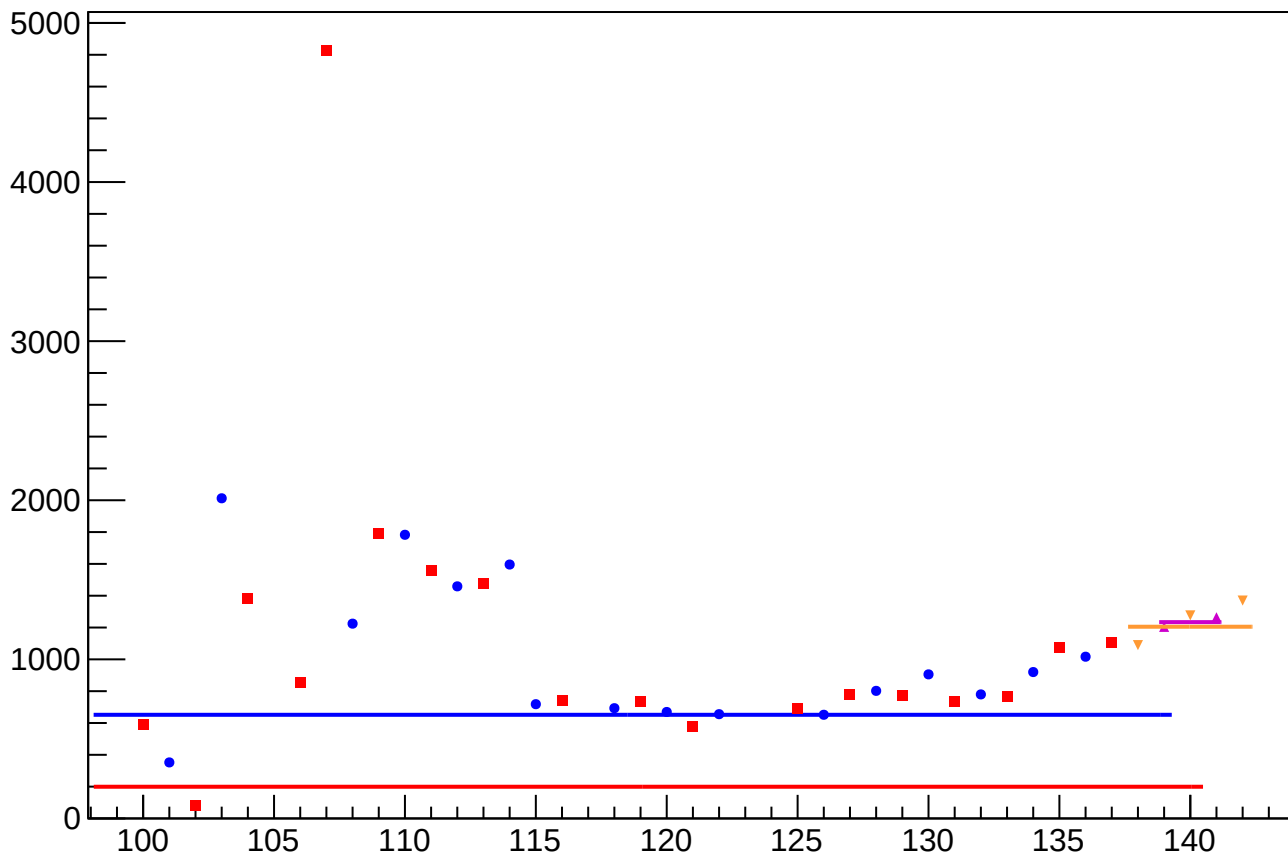
Left In: 384.258+/-947.620 χ^2/NDF : 0.1/1

+ sign -219.681+/-259.171 χ^2/NDF : 22.4/18

All: -100.355+/-120.907 χ^2/NDF : 41.5/38

- sign -67.162+/-136.692 χ^2/NDF : 18.8/19

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF : 2762681.5/15

Left Out: 1205.073+/-0.599 χ^2/NDF : 35115.0/2

Right Out: 199.344+/-0.098 χ^2/NDF : 9284792.6/17

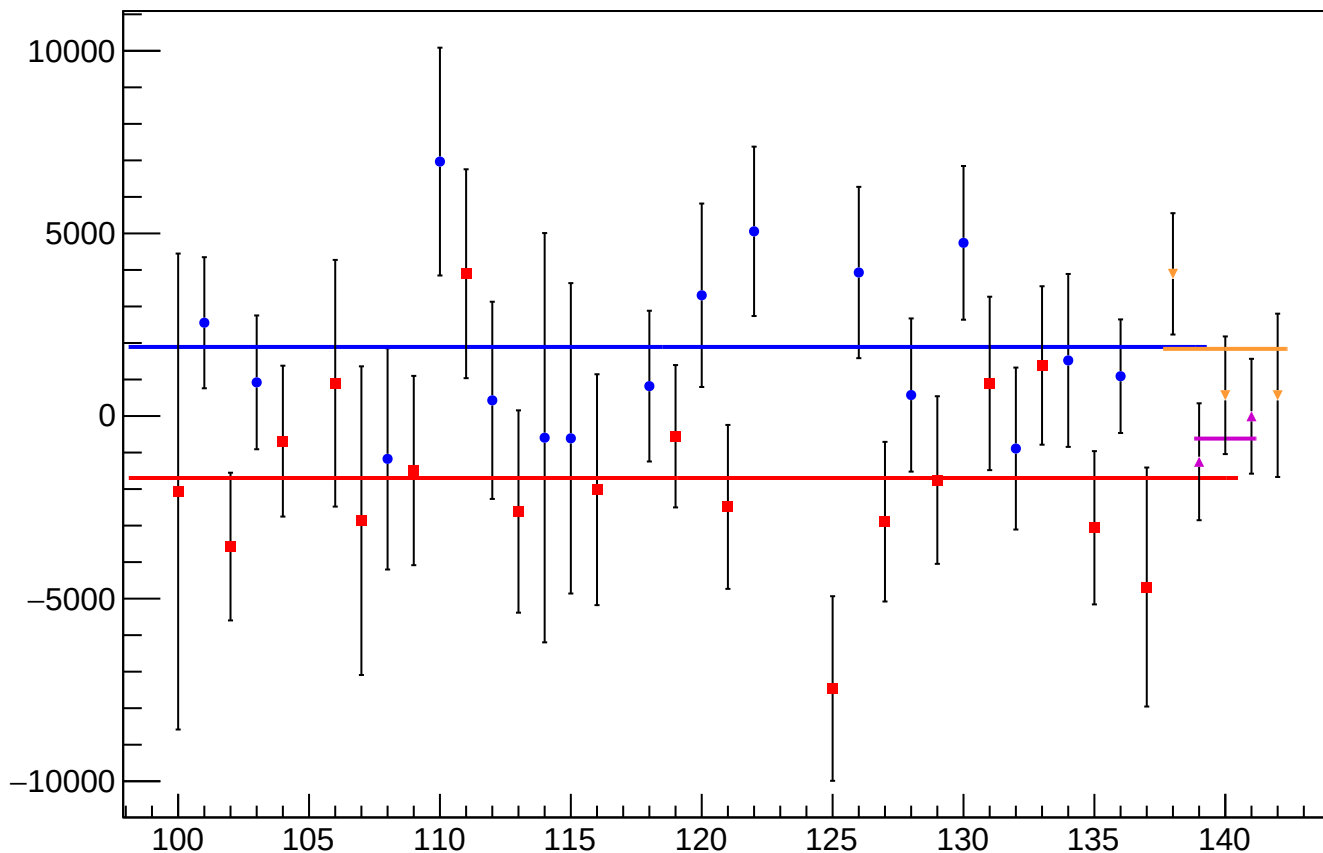
Left In: 1233.967+/-0.670 χ^2/NDF : 2027.8/1

+ sign 703.278+/-0.183 χ^2/NDF : 3571098.6/18

All: 325.860+/-0.085 χ^2/NDF : 20613594.3/38

- sign 220.872+/-0.097 χ^2/NDF : 11621320.8/19

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562 $\pm$ 572.244 χ^2 /NDF: 12.2/15

Left Out: 1838.858 $\pm$ 1027.211 χ^2 /NDF: 2.5/2

Right Out: -1696.987 $\pm$ 589.699 χ^2 /NDF: 16.2/17

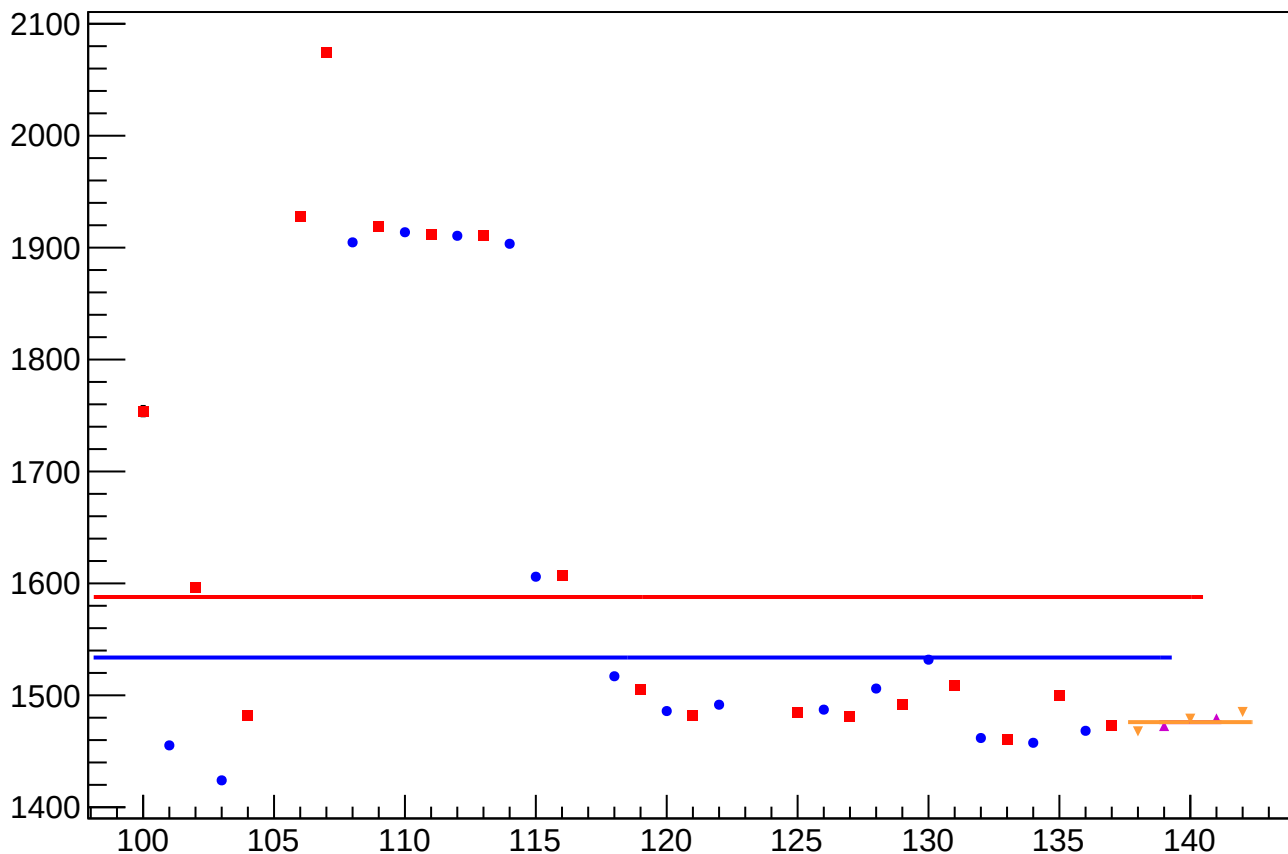
Left In: -618.030 $\pm$ 1121.714 χ^2 /NDF: 0.3/1

+ sign 1879.079 $\pm$ 499.906 χ^2 /NDF: 14.7/18

All: 279.979 $\pm$ 361.034 χ^2 /NDF: 53.3/38

- sign -1463.360 $\pm$ 521.965 χ^2 /NDF: 17.2/19

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF : 129271.5/15

Left Out: 1476.053+/-0.726 χ^2/NDF : 89.6/2

Right Out: 1587.846+/-0.417 χ^2/NDF : 173766.9/17

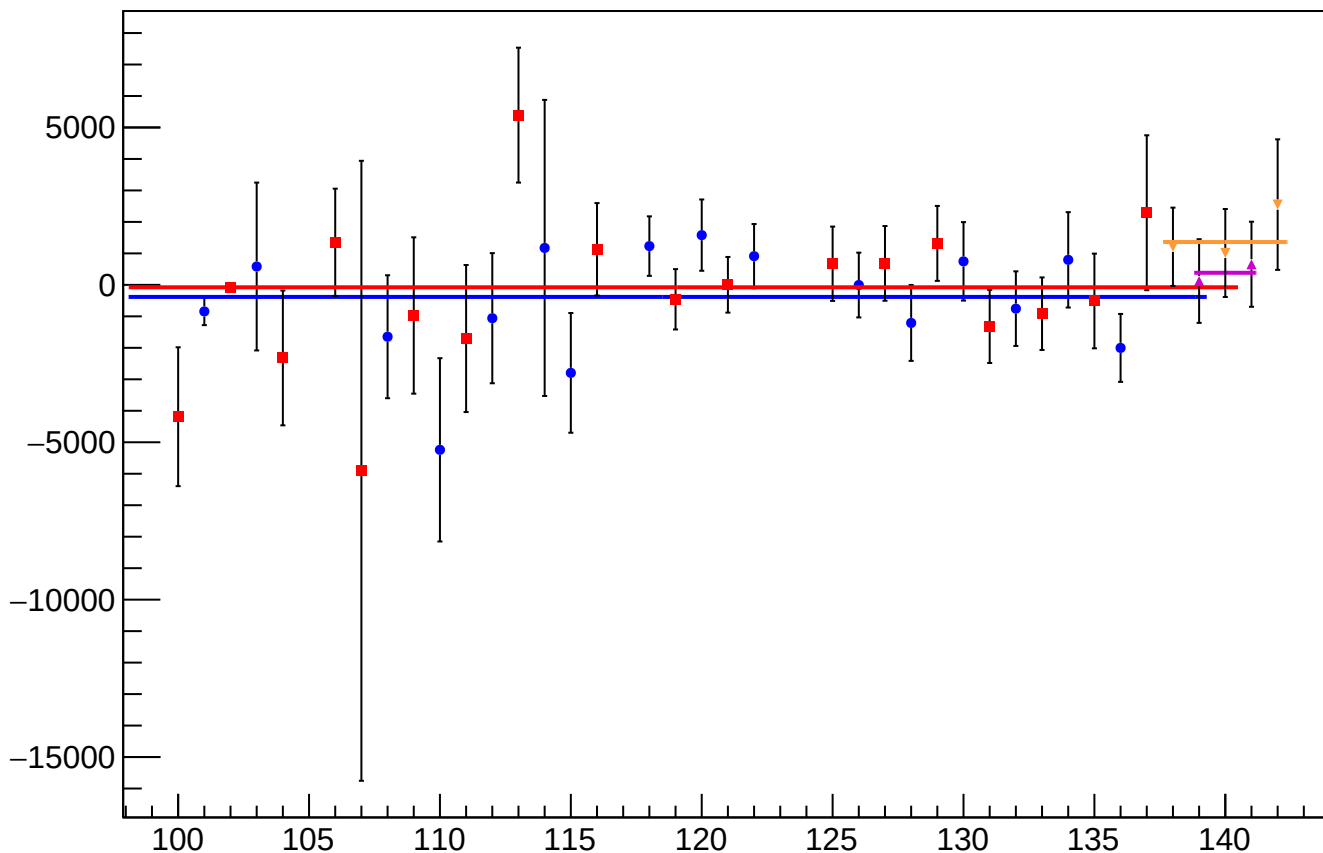
Left In: 1476.042+/-0.793 χ^2/NDF : 18.4/1

+ sign 1520.101+/-0.353 χ^2/NDF : 134180.0/18

All: 1540.930+/-0.255 χ^2/NDF : 330789.5/38

- sign 1563.637+/-0.369 χ^2/NDF : 189352.3/19

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



Right In: -382.761+/-272.209 χ^2/NDF : 18.2/15

Left Out: 1361.434+/-847.584 χ^2/NDF : 0.4/2

Right Out: -76.754+/-138.137 χ^2/NDF : 18.5/17

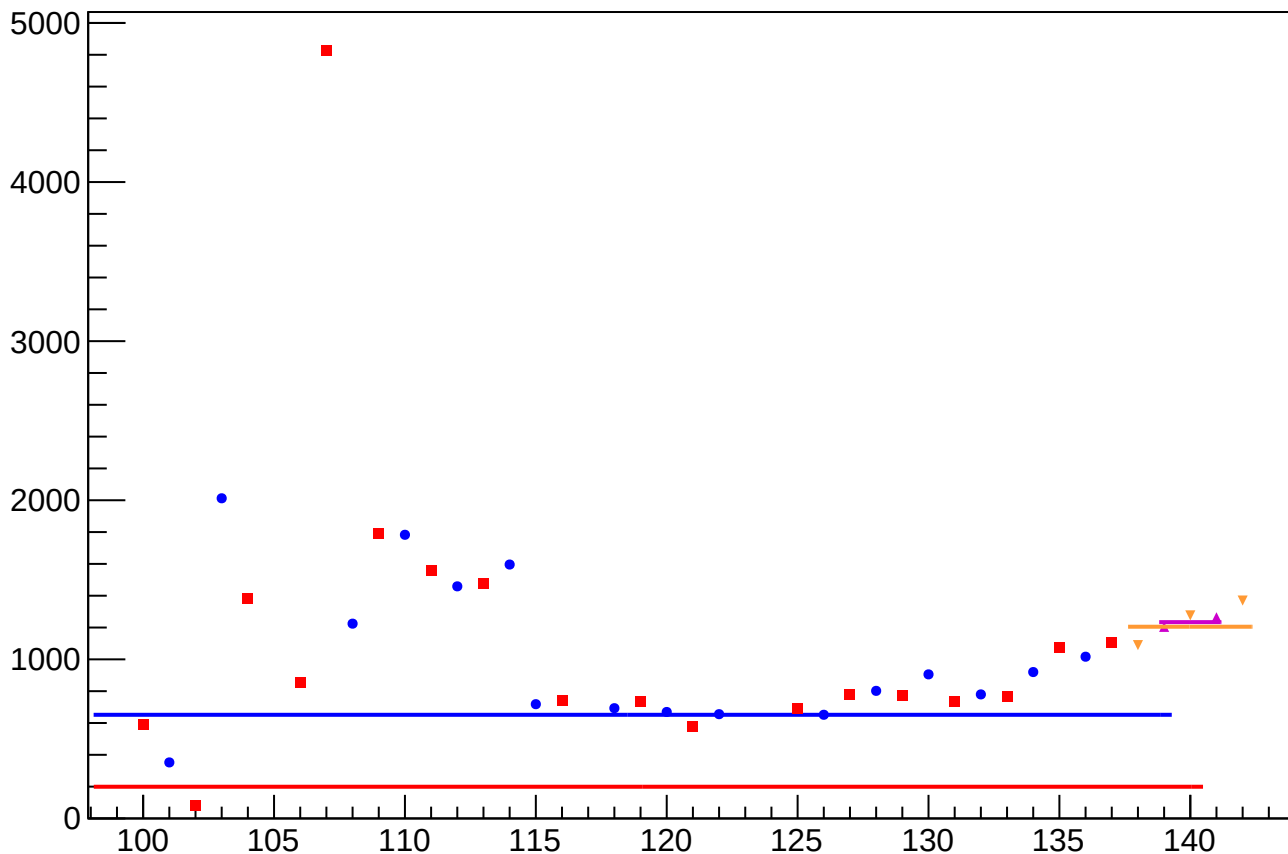
Left In: 384.258+/-947.620 χ^2/NDF : 0.1/1

+ sign -219.681+/-259.171 χ^2/NDF : 22.4/18

All: -100.355+/-120.907 χ^2/NDF : 41.5/38

- sign -67.162+/-136.692 χ^2/NDF : 18.8/19

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF : 2762681.5/15

Left Out: 1205.073+/-0.599 χ^2/NDF : 35115.0/2

Right Out: 199.344+/-0.098 χ^2/NDF : 9284792.6/17

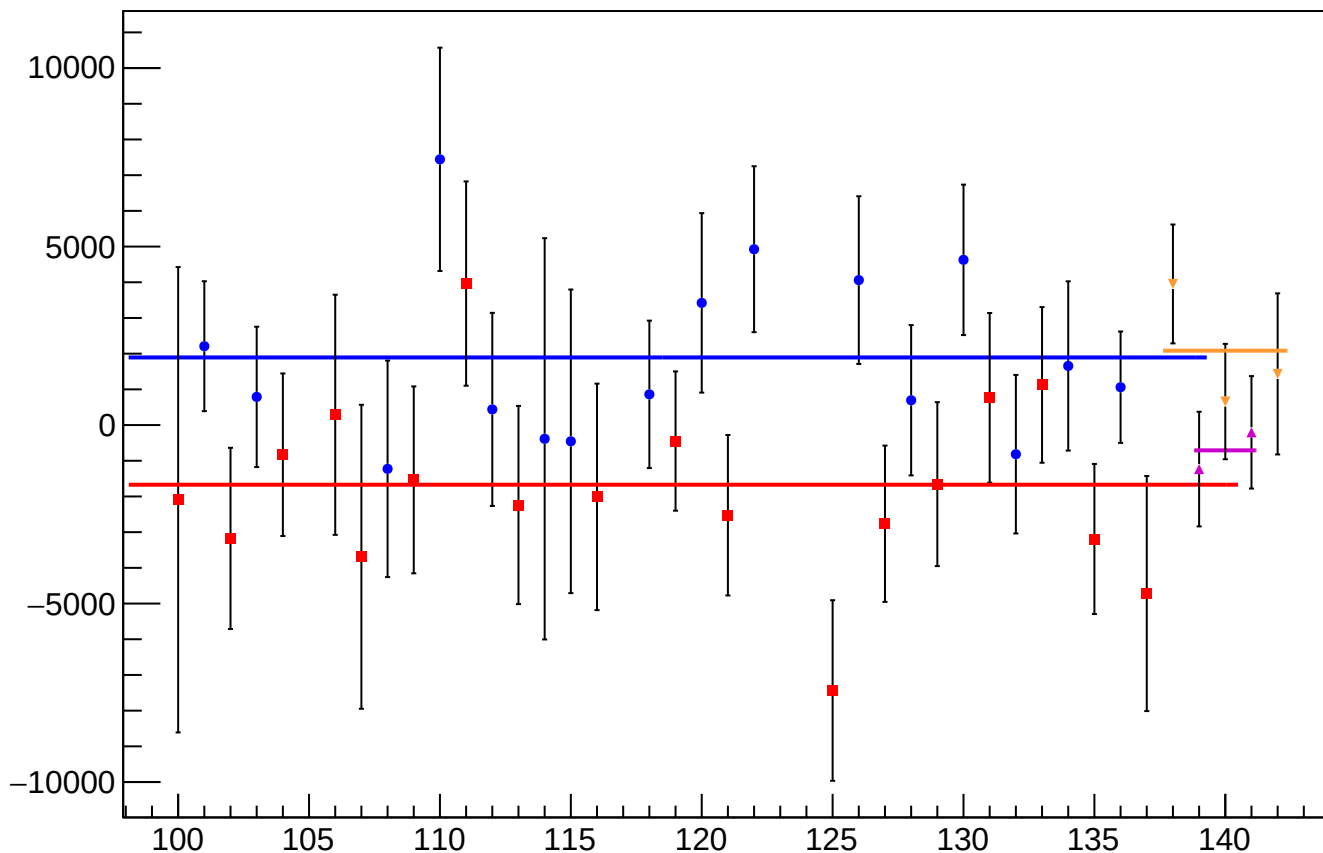
Left In: 1233.967+/-0.670 χ^2/NDF : 2027.8/1

+ sign 703.278+/-0.183 χ^2/NDF : 3571098.6/18

All: 325.860+/-0.085 χ^2/NDF : 20613594.3/38

- sign 220.872+/-0.097 χ^2/NDF : 11621320.8/19

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171 $\pm$ 577.631 χ^2 /NDF: 12.3/15

Left Out: 2083.960 $\pm$ 1031.296 χ^2 /NDF:2.1/2

Right Out: -1670.933 $\pm$ 604.838 χ^2 /NDF: 15.0/17

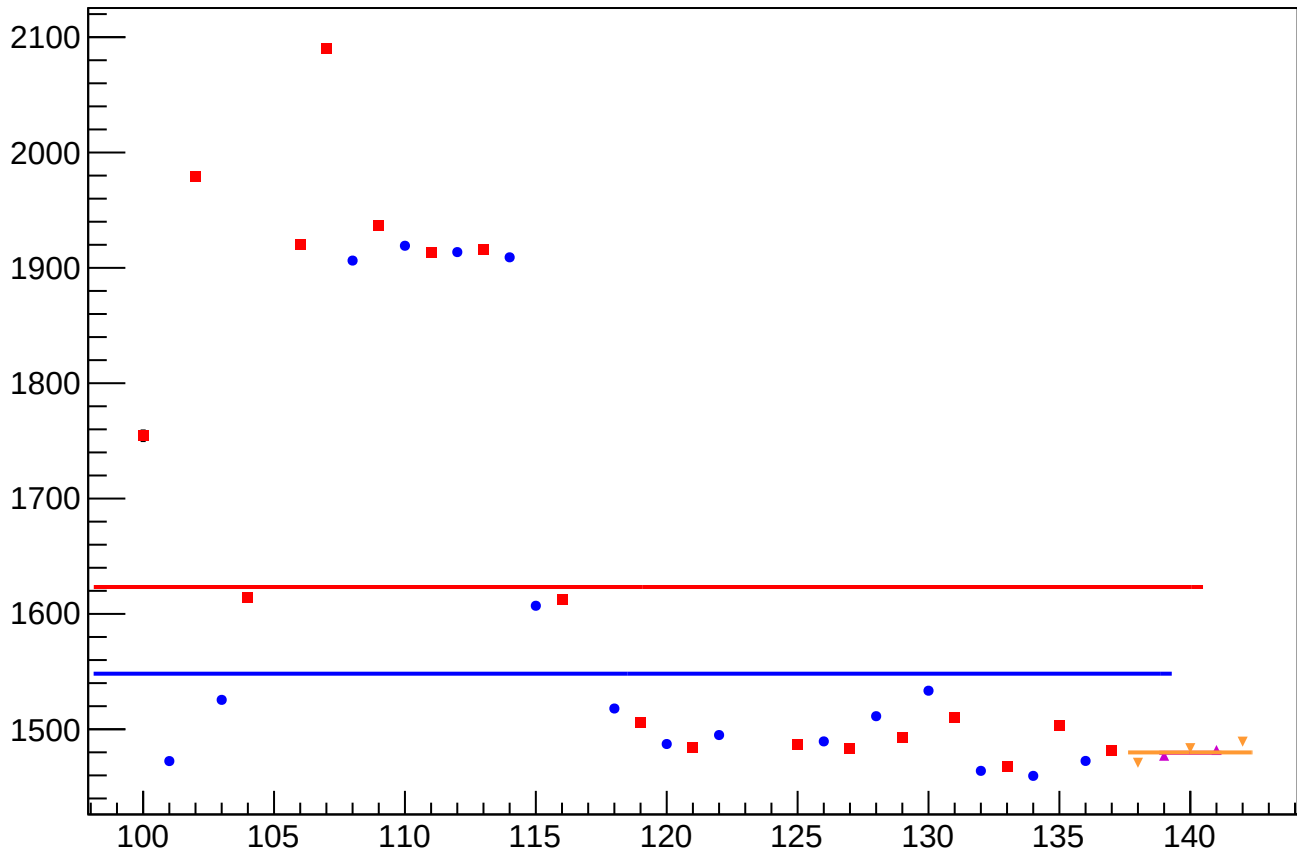
Left In: -708.640 $\pm$ 1124.518 χ^2 /NDF:0.2/1

+ sign 1939.493 $\pm$ 503.964 χ^2 /NDF: 14.4/18

All: 336.184 $\pm$ 366.086 χ^2 /NDF: 51.7/38

- sign -1455.010 $\pm$ 532.675 χ^2 /NDF: 15.8/19

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF : 119905.3/15

Left Out: 1479.918+/-0.729 χ^2/NDF : 102.6/2

Right Out: 1623.331+/-0.428 χ^2/NDF : 211534.0/17

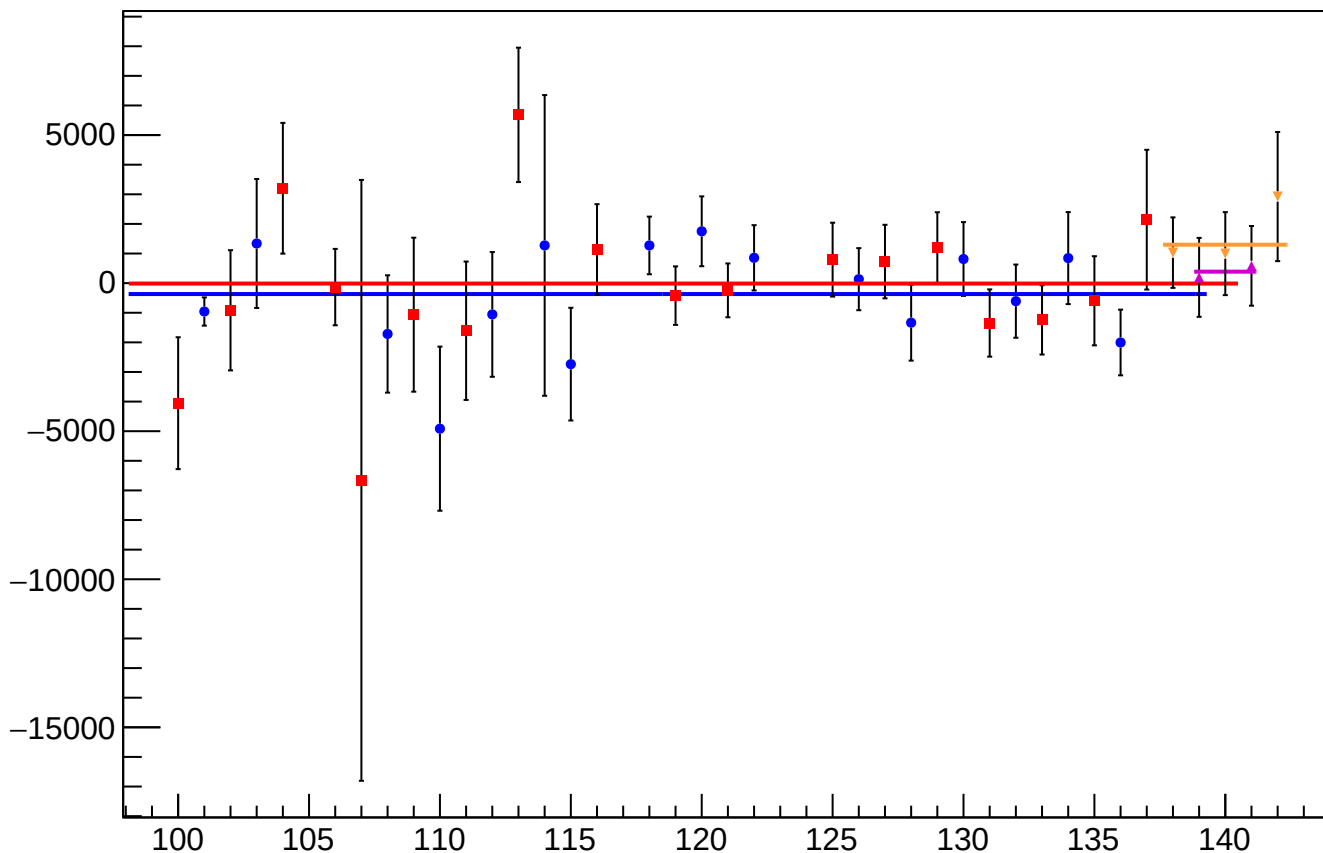
Left In: 1479.603+/-0.795 χ^2/NDF : 9.7/1

+ sign 1531.875+/-0.356 χ^2/NDF : 126676.6/18

All: 1559.839+/-0.259 χ^2/NDF : 376599.1/38

- sign 1591.080+/-0.377 χ^2/NDF : 236884.9/19

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708 ± 286.577 χ^2/NDF : 18.9/15

Left Out: 1297.790 ± 837.705 χ^2/NDF : 0.7/2

Right Out: -13.729 ± 341.569 χ^2/NDF : 19.1/17

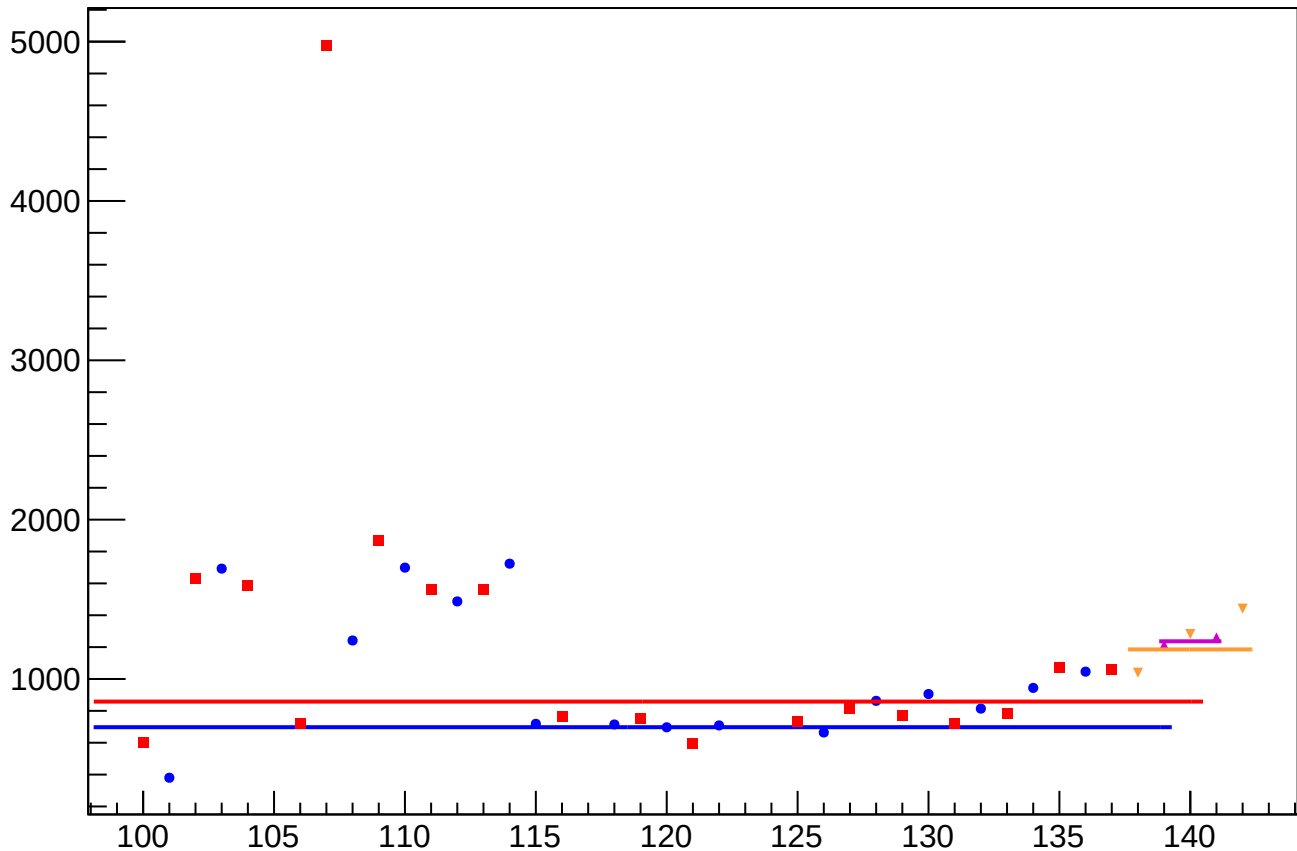
Left In: 387.562 ± 946.886 χ^2/NDF : 0.0/1

+ sign -194.110 ± 271.149 χ^2/NDF : 23.1/18

All: -99.862 ± 207.221 χ^2/NDF : 42.6/38

- sign 32.476 ± 321.303 χ^2/NDF : 19.3/19

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF : 2435601.0/15

Left Out: 1185.454+/-0.592 χ^2/NDF : 67097.0/2

Right Out: 858.095+/-0.242 χ^2/NDF : 1882164.5/17

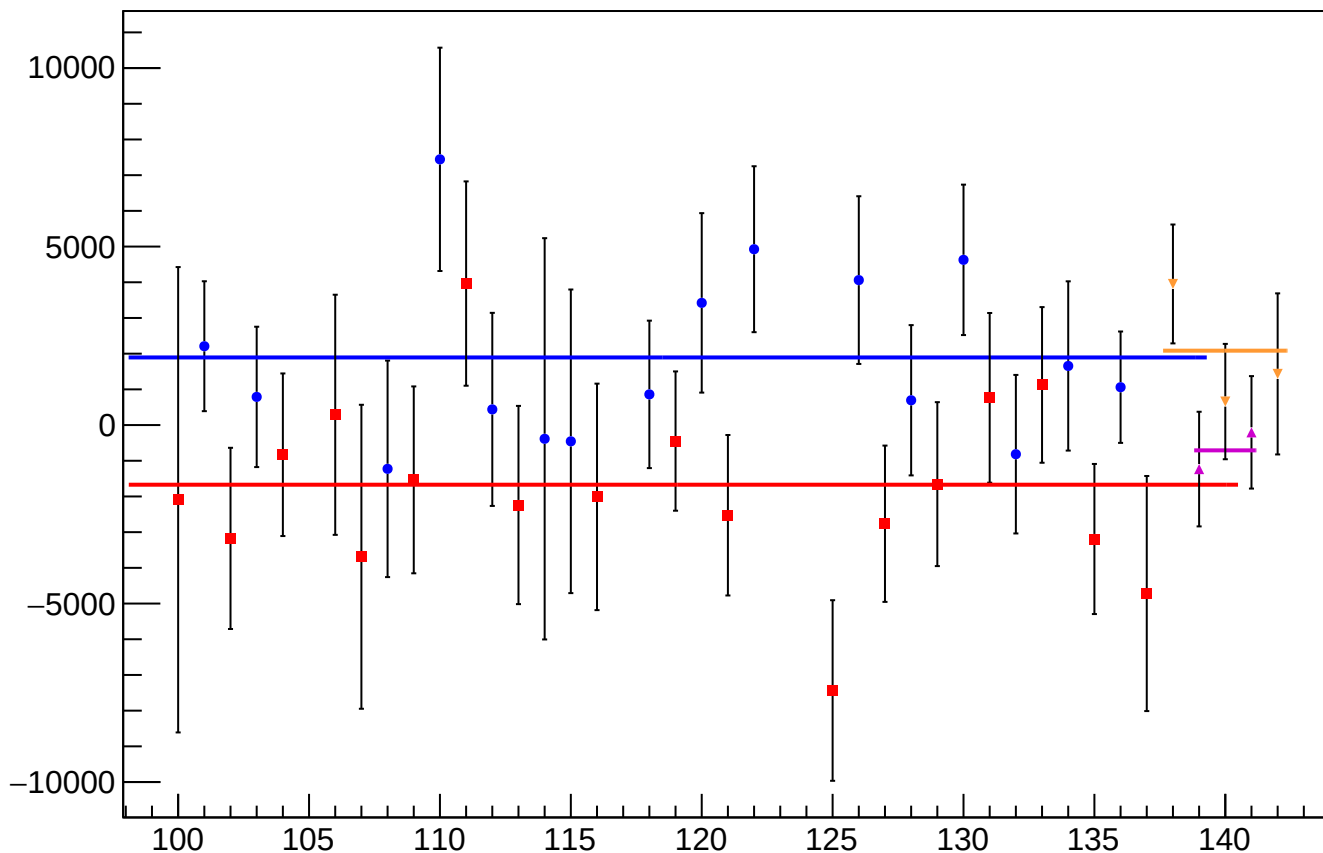
Left In: 1236.564+/-0.670 χ^2/NDF : 1289.3/1

+ sign 748.637+/-0.192 χ^2/NDF : 3110148.7/18

All: 812.292+/-0.147 χ^2/NDF : 5541324.4/38

- sign 901.673+/-0.227 χ^2/NDF : 2166181.0/19

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF : 12.3/15

Left Out: 2083.962+/-1031.296 χ^2/NDF : 2.1/2

Right Out: -1670.931+/-604.838 χ^2/NDF : 15.0/17

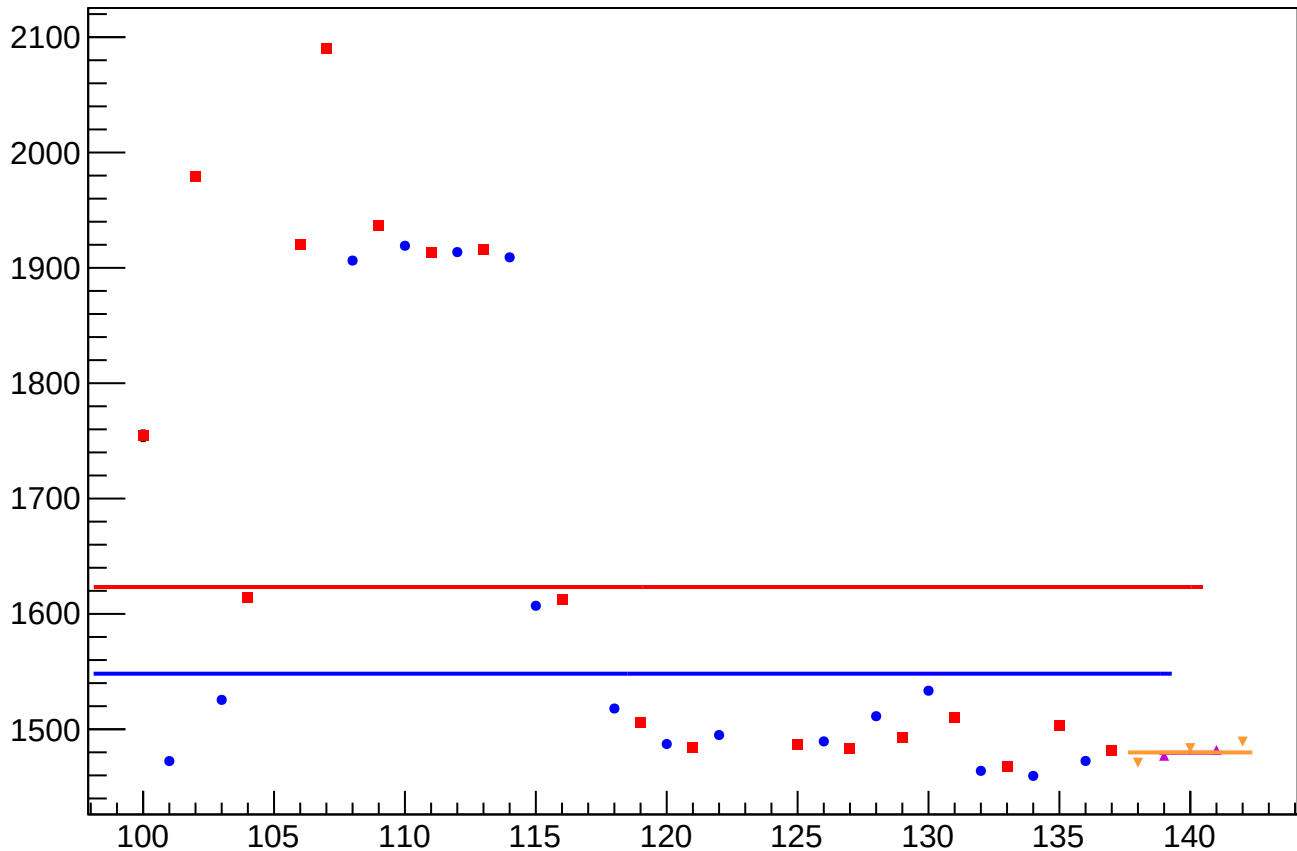
Left In: -708.641+/-1124.518 χ^2/NDF : 0.2/1

+ sign 1939.491+/-503.964 χ^2/NDF : 14.4/18

All: 336.184+/-366.086 χ^2/NDF : 51.7/38

- sign -1455.009+/-532.675 χ^2/NDF : 15.8/19

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF : 119905.4/15

Left Out: 1479.918+/-0.729 χ^2/NDF : 102.6/2

+ sign 1531.874+/-0.356 χ^2/NDF : 126676.6/18

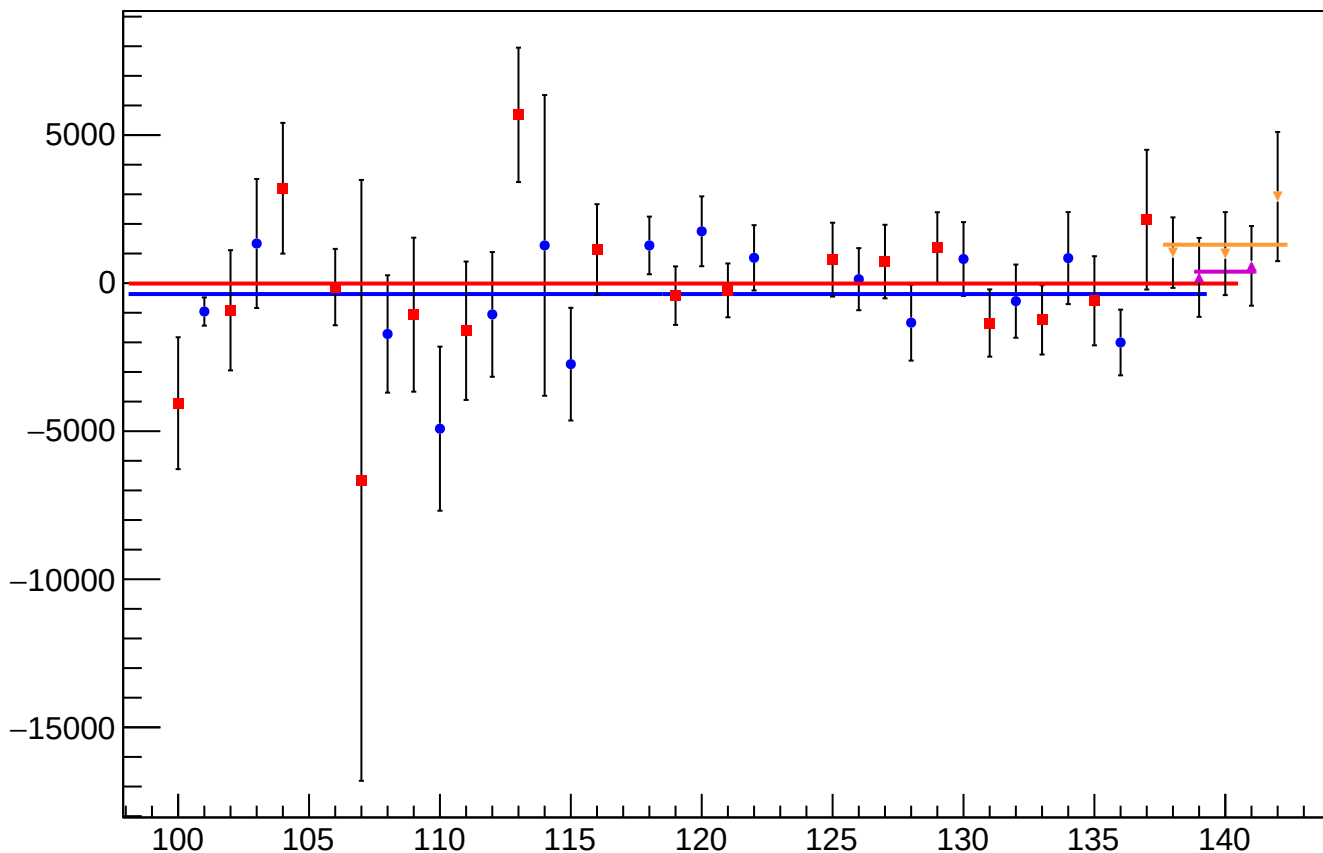
Right Out: 1623.330+/-0.428 χ^2/NDF : 211533.9/17

All: 1559.839+/-0.259 χ^2/NDF : 376598.9/38

- sign 1591.080+/-0.377 χ^2/NDF : 236884.6/19

Left In: 1479.602+/-0.795 χ^2/NDF : 9.7/1

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -368.707 ± 286.576 χ^2/NDF : 18.9/15

Left Out: 1297.793 ± 837.706 χ^2/NDF : 0.7/2

Right Out: -13.730 ± 341.568 χ^2/NDF : 19.1/17

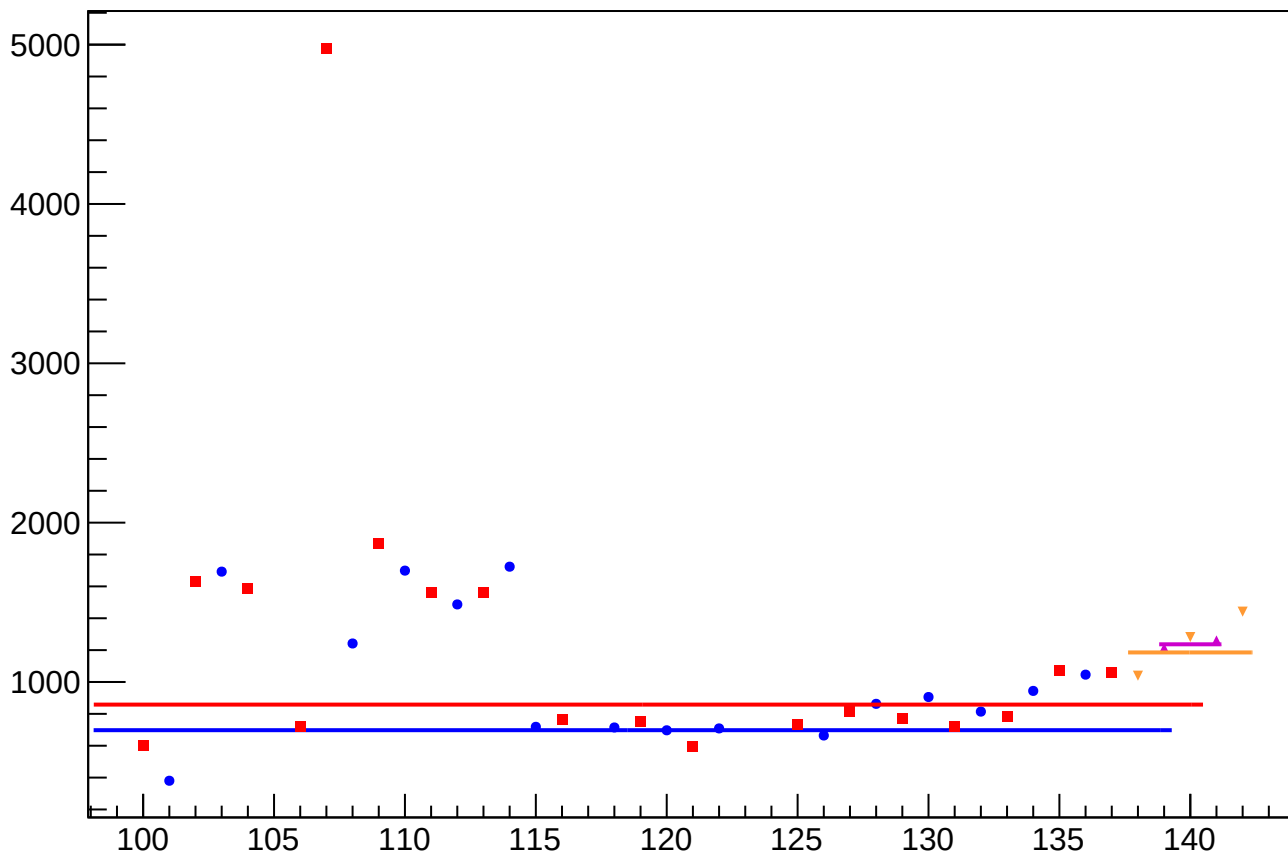
Left In: 387.561 ± 946.887 χ^2/NDF : 0.0/1

+ sign -194.109 ± 271.149 χ^2/NDF : 23.1/18

All: -99.862 ± 207.221 χ^2/NDF : 42.6/38

- sign 32.475 ± 321.303 χ^2/NDF : 19.3/19

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF : 2435593.9/15

Left Out: 1185.455+/-0.592 χ^2/NDF : 67097.2/2

+ sign 748.637+/-0.192 χ^2/NDF : 3110143.8/18

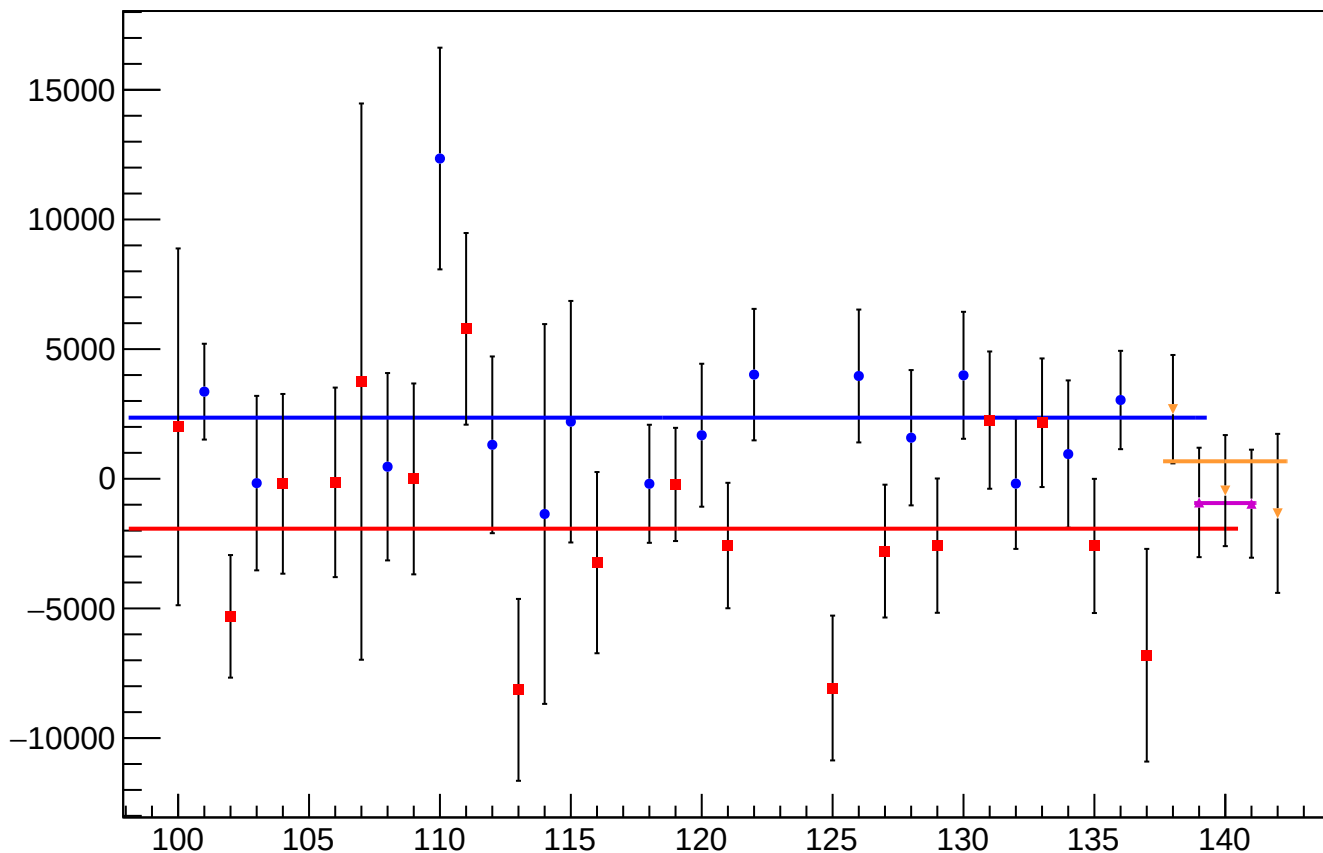
Right Out: 858.094+/-0.242 χ^2/NDF : 1882174.1/17

All: 812.292+/-0.147 χ^2/NDF : 5541328.2/38

- sign 901.672+/-0.227 χ^2/NDF : 2166194.6/19

Left In: 1236.565+/-0.670 χ^2/NDF : 1289.3/1

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998 $\pm$ 678.944 χ^2 /NDF: 11.0/15

Left Out: 673.939 $\pm$ 1344.508 χ^2 /NDF:1.6/2

Right Out: -1924.824 $\pm$ 706.809 χ^2 /NDF: 23.4/17

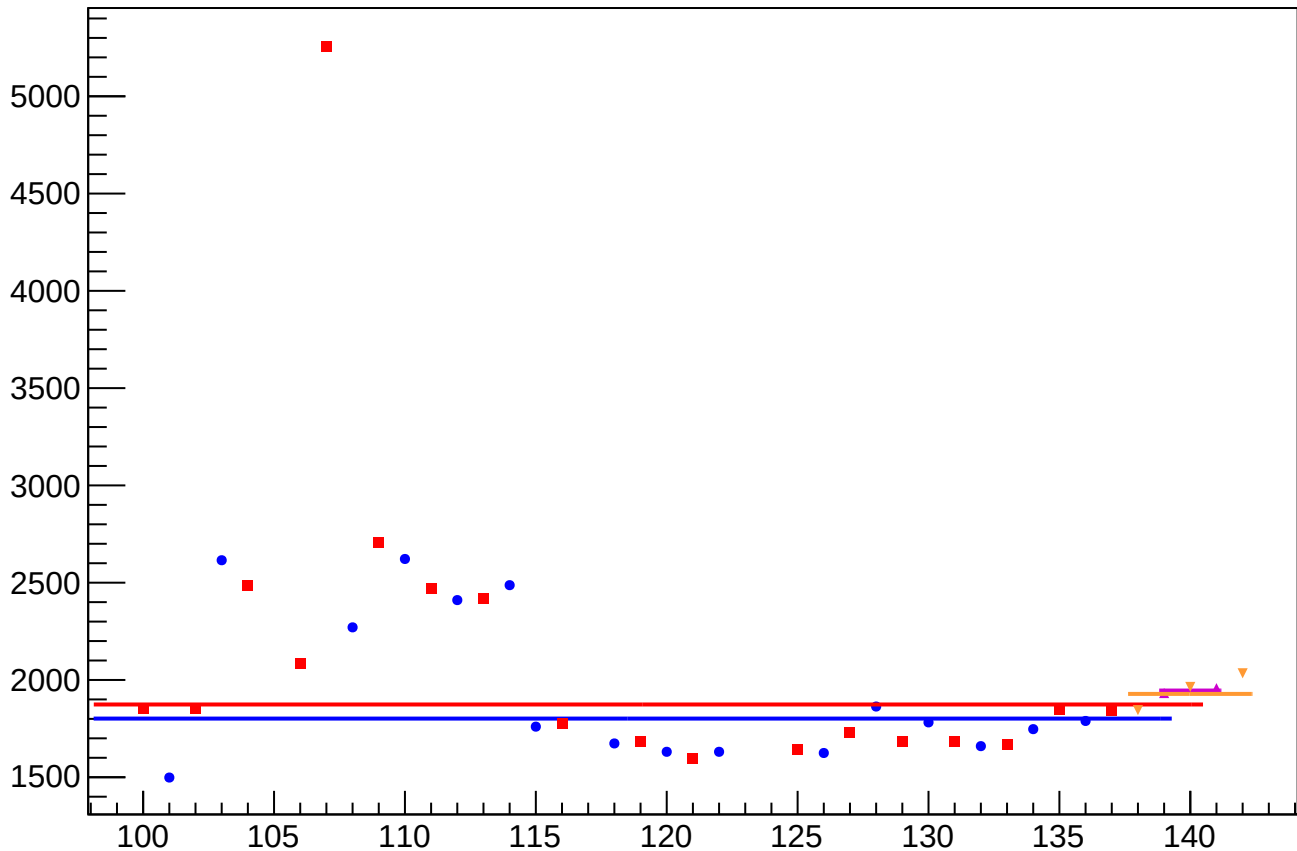
Left In: -937.183 $\pm$ 1482.495 χ^2 /NDF:0.0/1

+ sign 2015.022 $\pm$ 606.055 χ^2 /NDF: 13.9/18

All: 232.986 $\pm$ 439.407 χ^2 /NDF: 55.9/38

- sign -1741.904 $\pm$ 638.006 χ^2 /NDF: 23.8/19

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF : 400702.5/15

Left Out: 1928.313+/-0.951 χ^2/NDF :6138.2/2

Right Out: 1873.976+/-0.500 χ^2/NDF : 569909.0/17

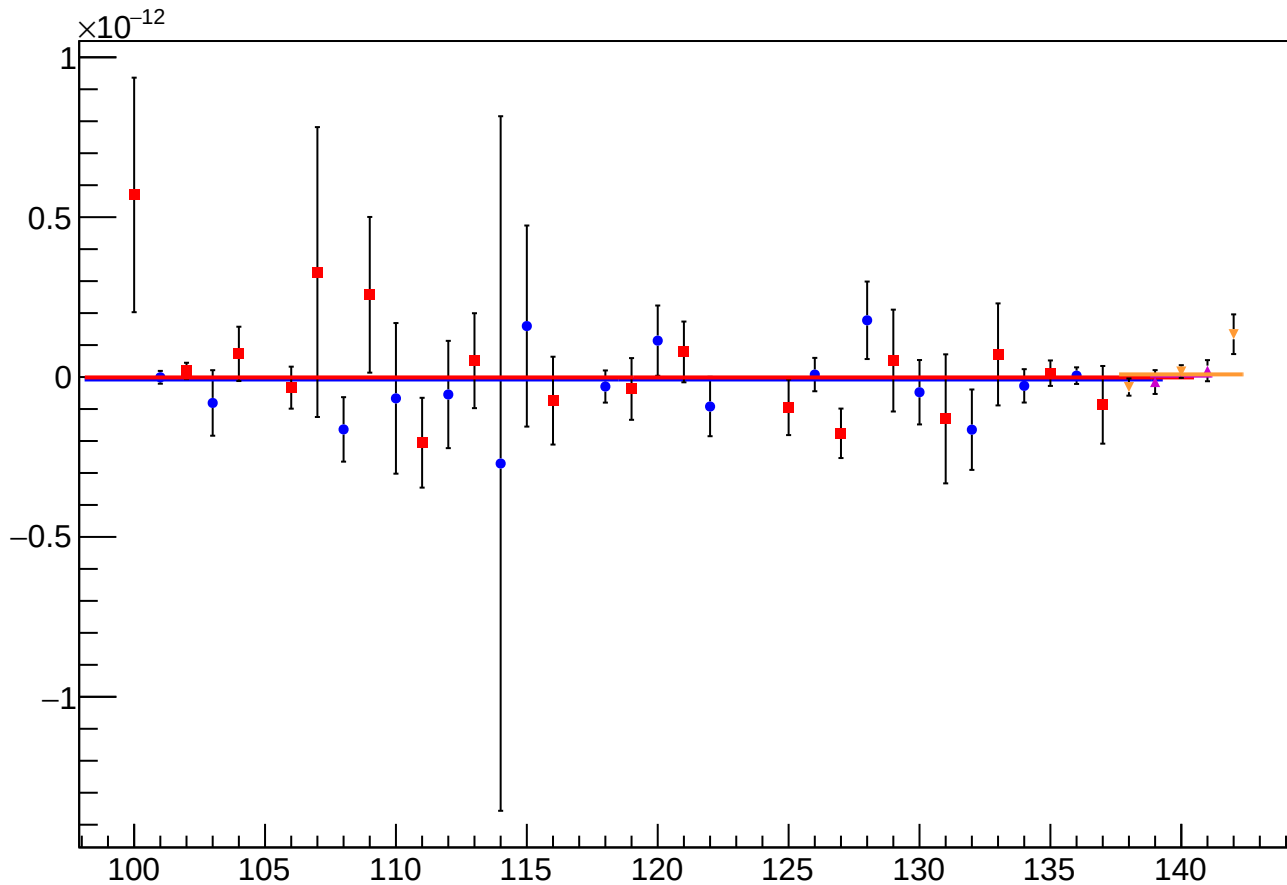
Left In: 1945.606+/-1.048 χ^2/NDF :144.7/1

+ sign 1827.290+/-0.429 χ^2/NDF : 421011.3/18

All: 1855.727+/-0.311 χ^2/NDF : 1004152.8/38

- sign 1887.243+/-0.451 χ^2/NDF : 573858.0/19

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 : 6.5/2

Right Out: -0.000+/-0.000 χ^2/NDF : 16.7/17

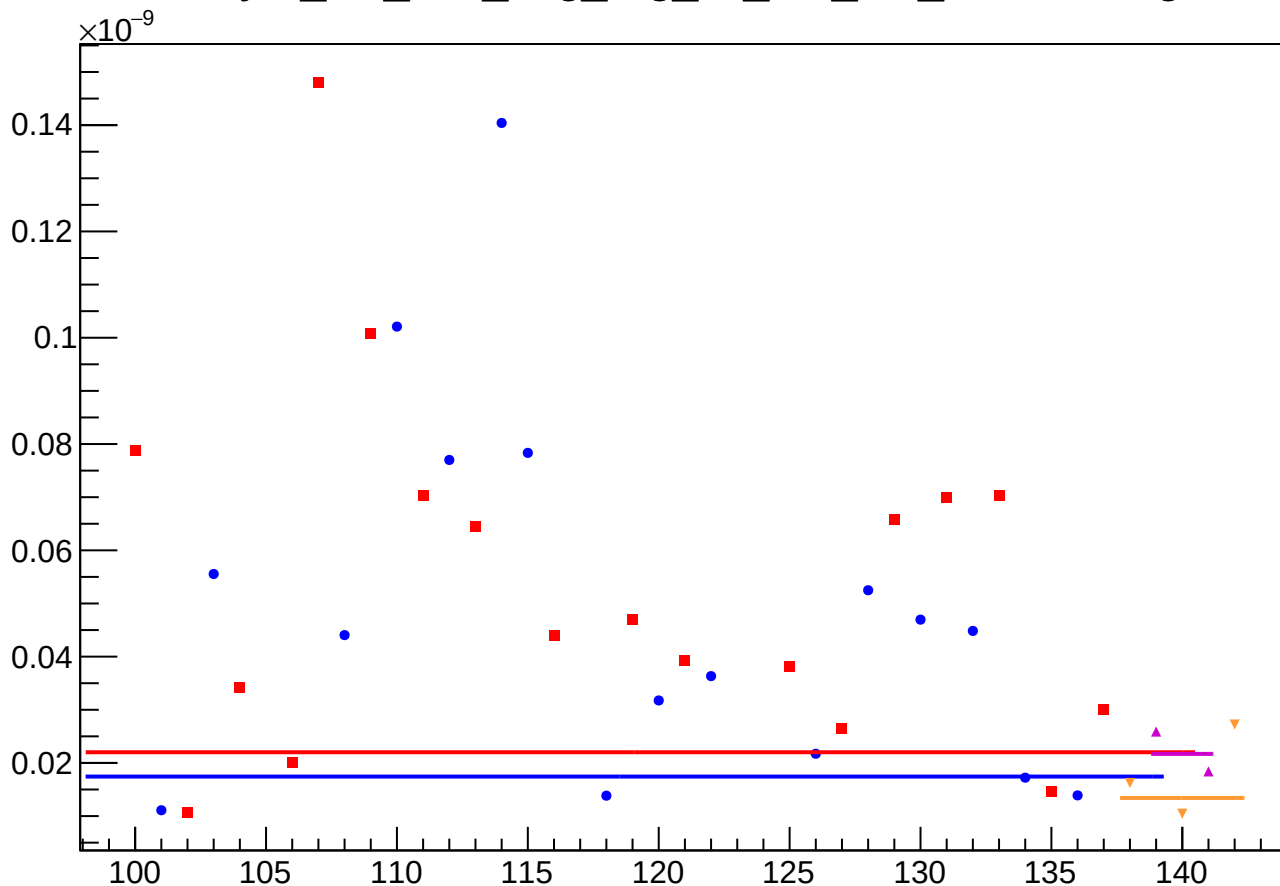
Left In: 0.000+/-0.000 χ^2/NDF : 0.5/1

+ sign -0.000+/-0.000 χ^2/NDF : 17.4/18

All: -0.000+/-0.000 χ^2/NDF : 34.6/38

- sign 0.000+/-0.000 χ^2/NDF : 17.2/19

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 165507.6/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2098640.3/17

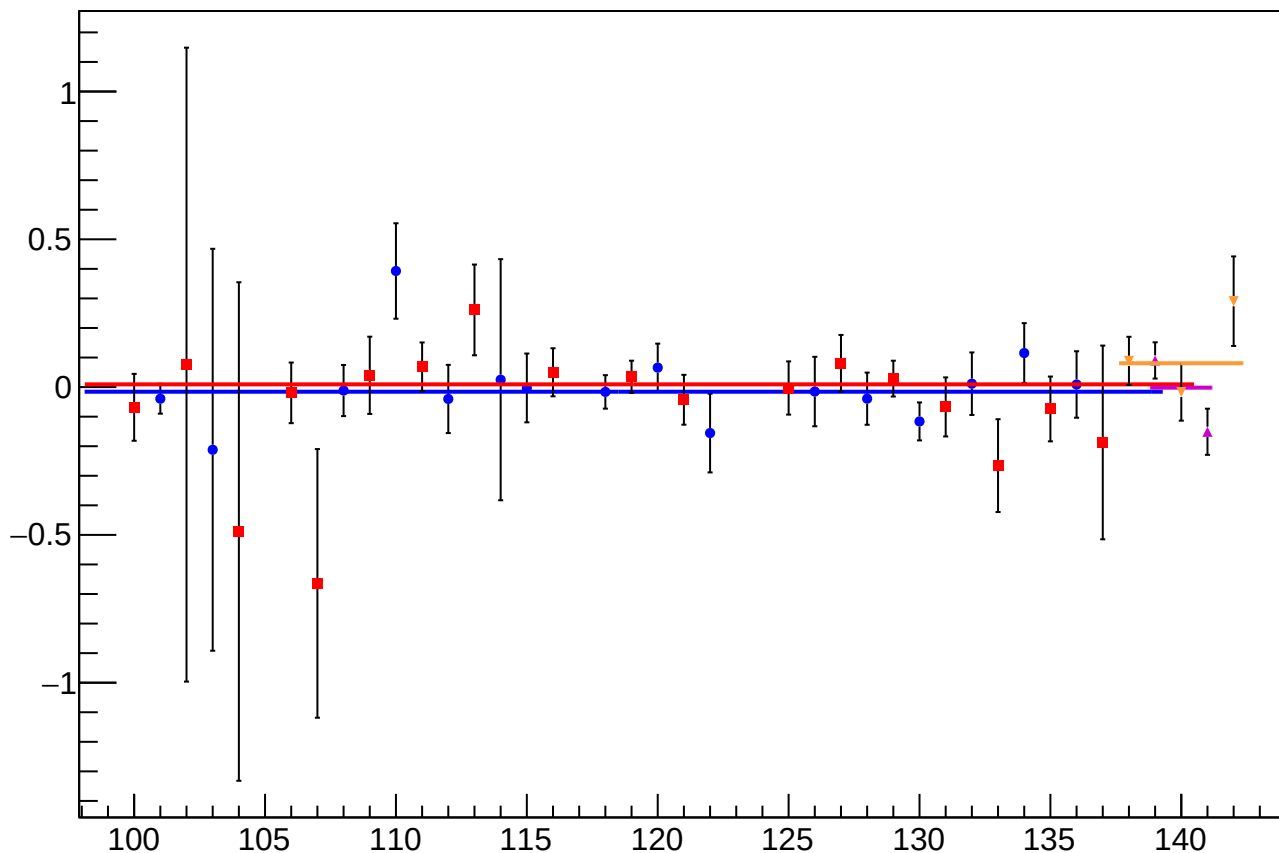
Left In: 0.000+/-0.000 χ^2/NDF : 45321.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 2084083.7/18

All: 0.000+/-0.000 χ^2/NDF : 4481731.1/38

- sign 0.000+/-0.000 χ^2/NDF : 2144167.9/19

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: 0.081 ± 0.058 χ^2/NDF : 2.9/2

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

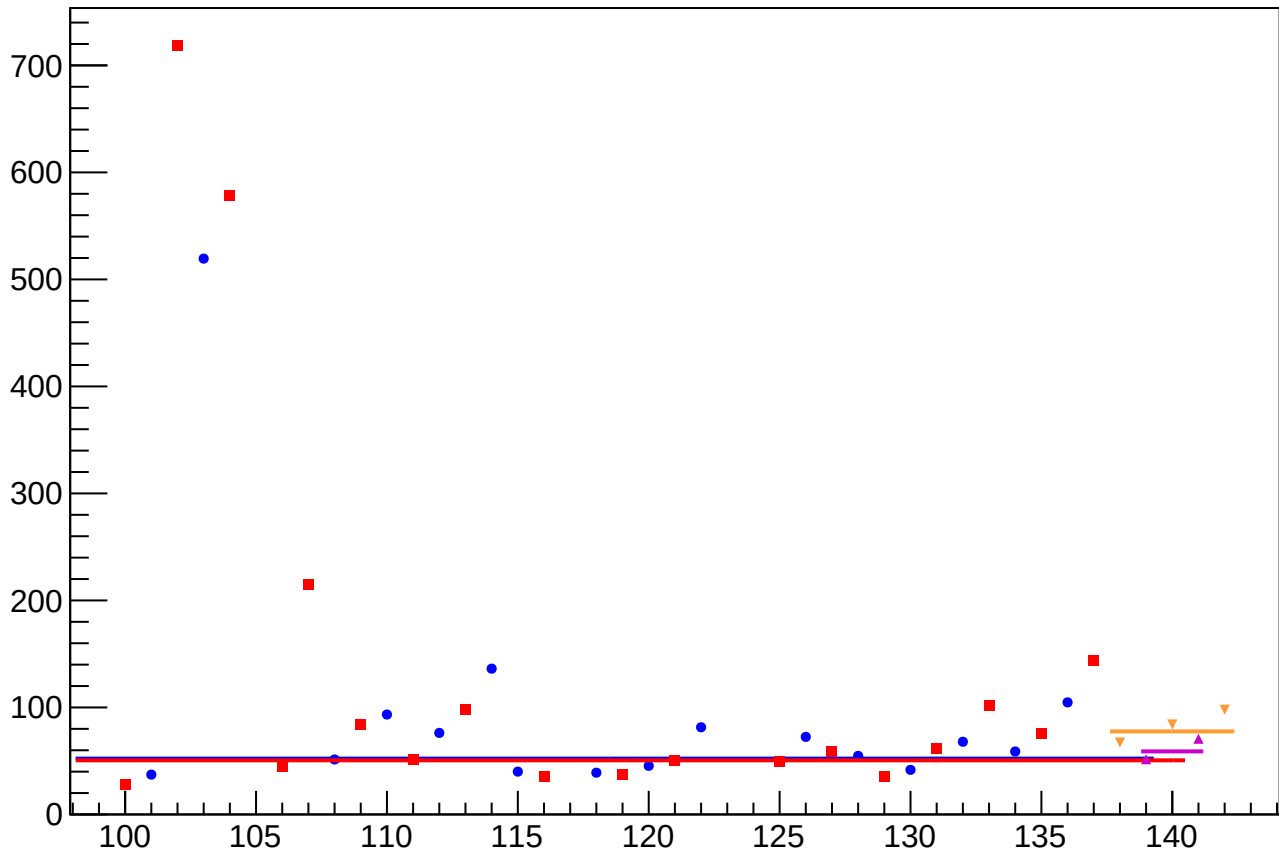
Left In: -0.002 ± 0.048 χ^2/NDF : 5.9/1

+ sign -0.003 ± 0.021 χ^2/NDF : 18.5/18

All: 0.002 ± 0.015 χ^2/NDF : 37.1/38

- sign 0.007 ± 0.021 χ^2/NDF : 18.4/19

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: 77.627 ± 0.041 $\chi^2/\text{NDF}: 77150.8/2$

Right Out: 50.582 ± 0.017 $\chi^2/\text{NDF}: 3051379.6/17$

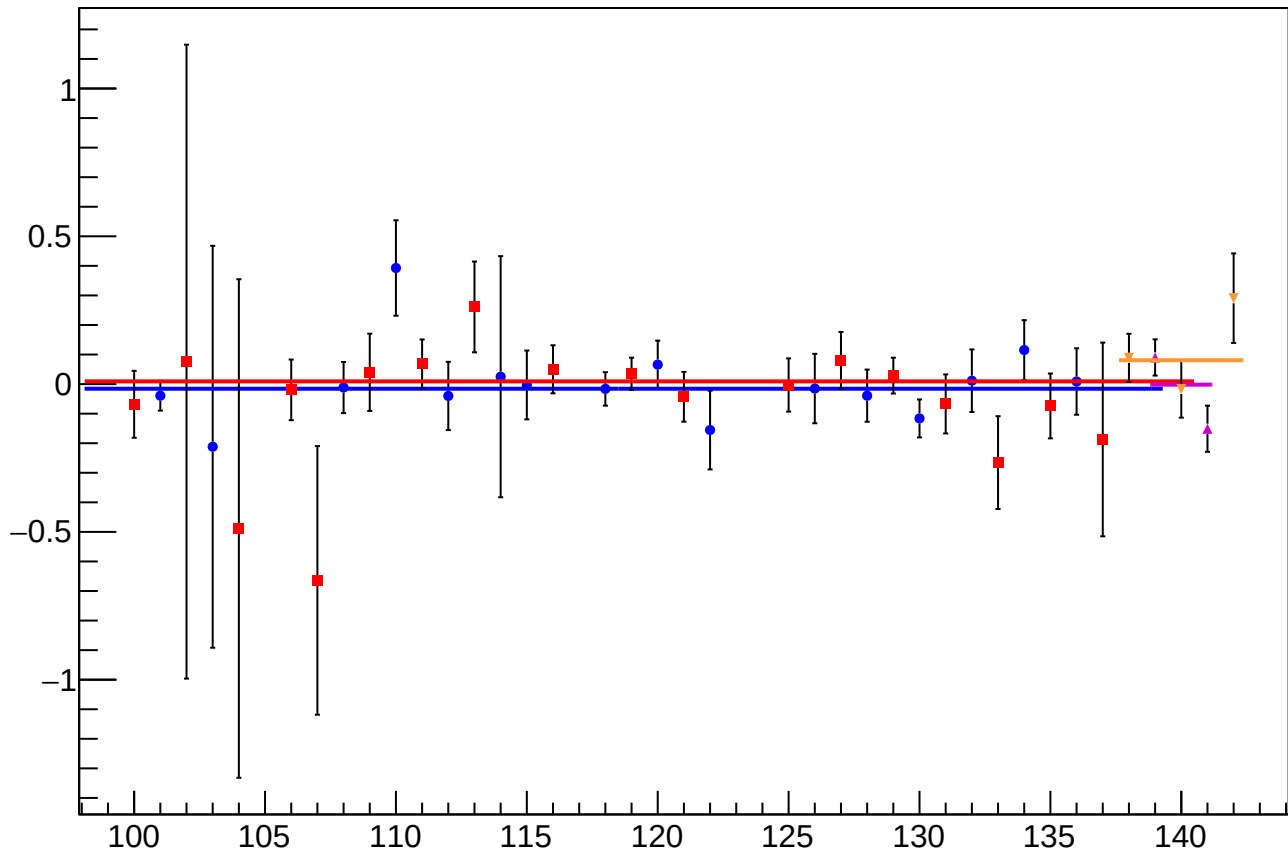
Left In: 58.932 ± 0.034 $\chi^2/\text{NDF}: 74358.6/1$

+ sign 55.587 ± 0.015 $\chi^2/\text{NDF}: 2681033.5/18$

All: 53.900 ± 0.011 $\chi^2/\text{NDF}: 5880905.5/38$

- sign 52.195 ± 0.015 $\chi^2/\text{NDF}: 3174123.5/19$

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: 0.081 ± 0.058 χ^2/NDF : 2.9/2

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

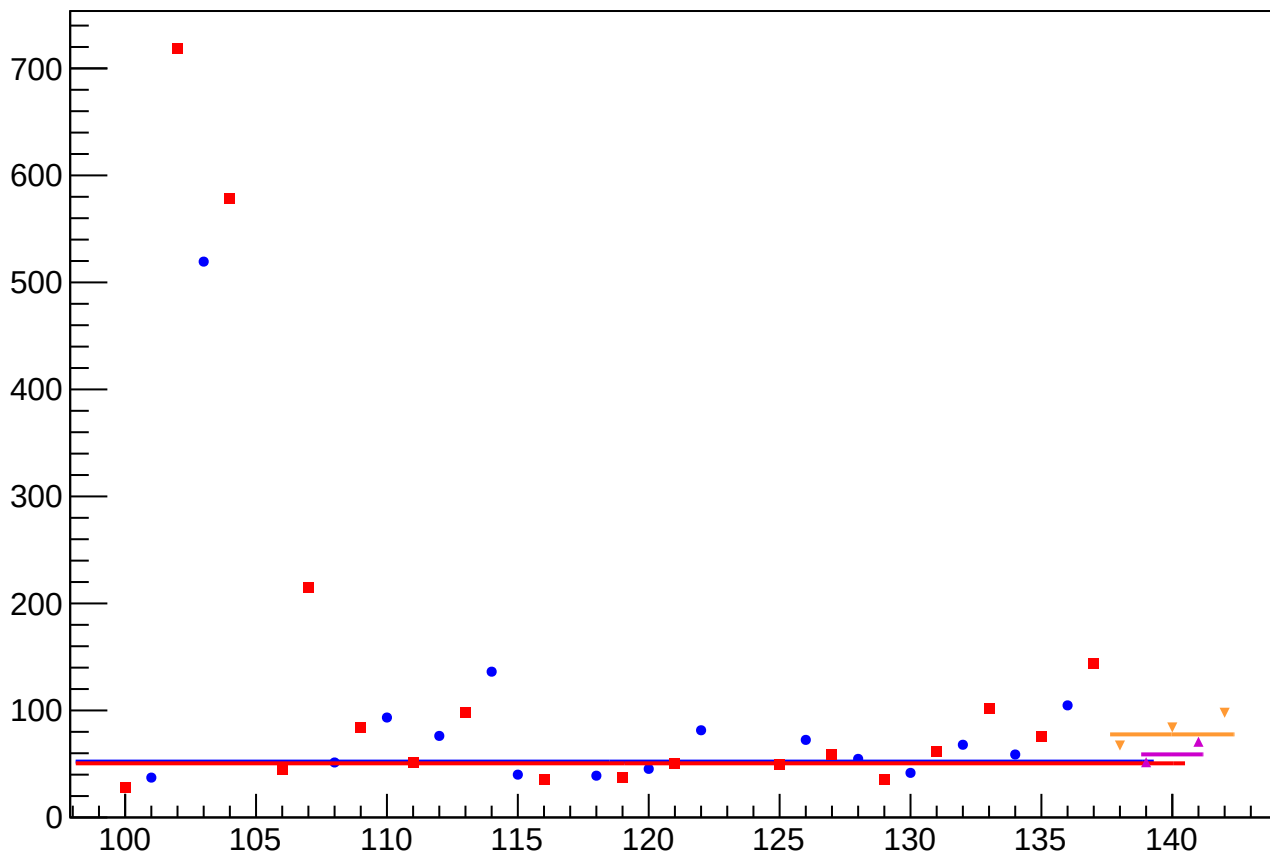
Left In: -0.002 ± 0.048 χ^2/NDF : 5.9/1

+ sign -0.003 ± 0.021 χ^2/NDF : 18.5/18

All: 0.002 ± 0.015 χ^2/NDF : 37.1/38

- sign 0.007 ± 0.021 χ^2/NDF : 18.4/19

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191 $\pm$ 0.016 χ^2 /NDF: 2266928.1/15

Left Out: 77.627 $\pm$ 0.041 χ^2 /NDF: 77150.8/2

Right Out: 50.582 $\pm$ 0.017 χ^2 /NDF: 3051379.6/17

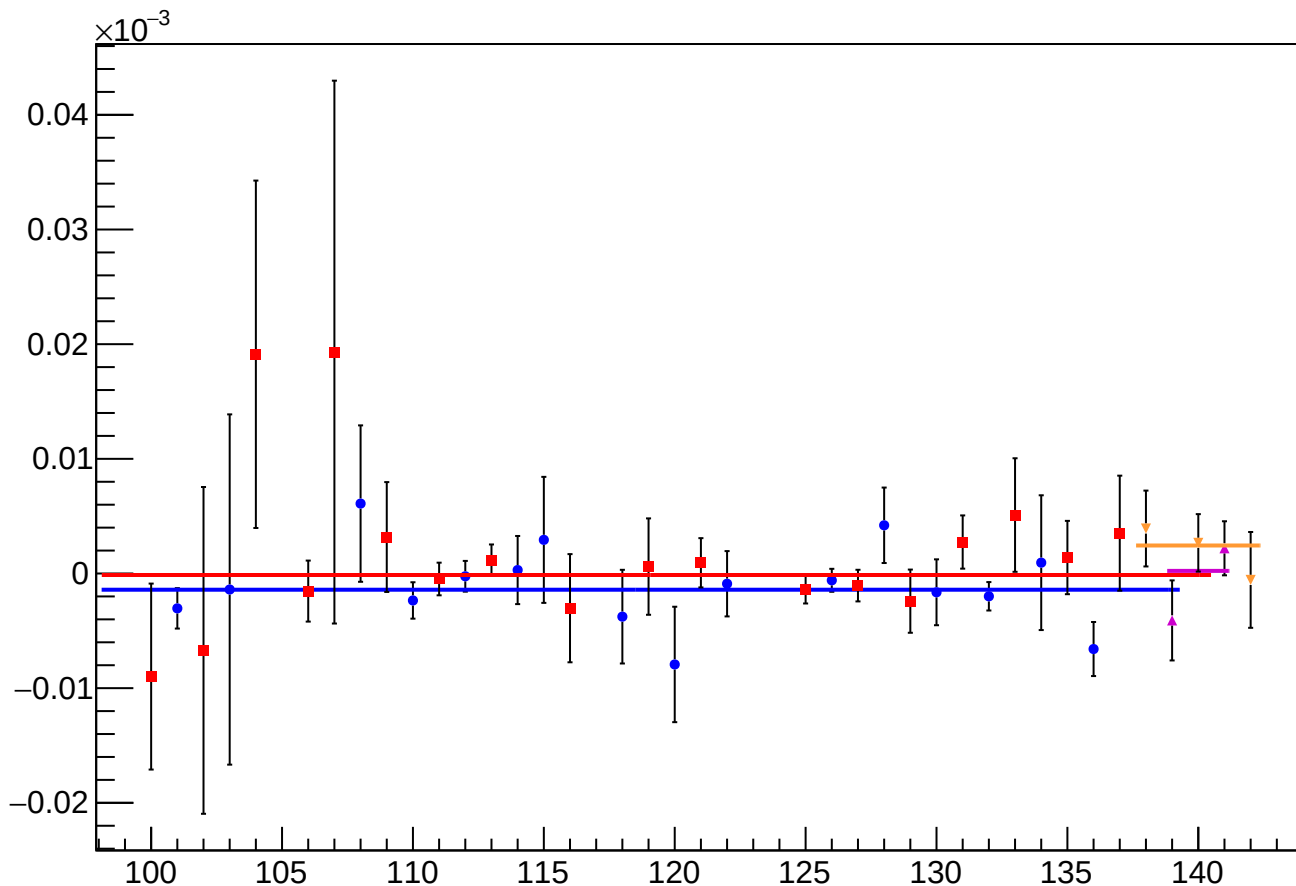
Left In: 58.932 $\pm$ 0.034 χ^2 /NDF: 74358.6/1

+ sign 55.587 $\pm$ 0.015 χ^2 /NDF: 2681033.5/18

All: 53.900 $\pm$ 0.011 χ^2 /NDF: 5880905.5/38

- sign 52.195 $\pm$ 0.015 χ^2 /NDF: 3174123.5/19

asym_usl_atl1_avg_eigen_dit_vs_dit_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: 0.7/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.6/17

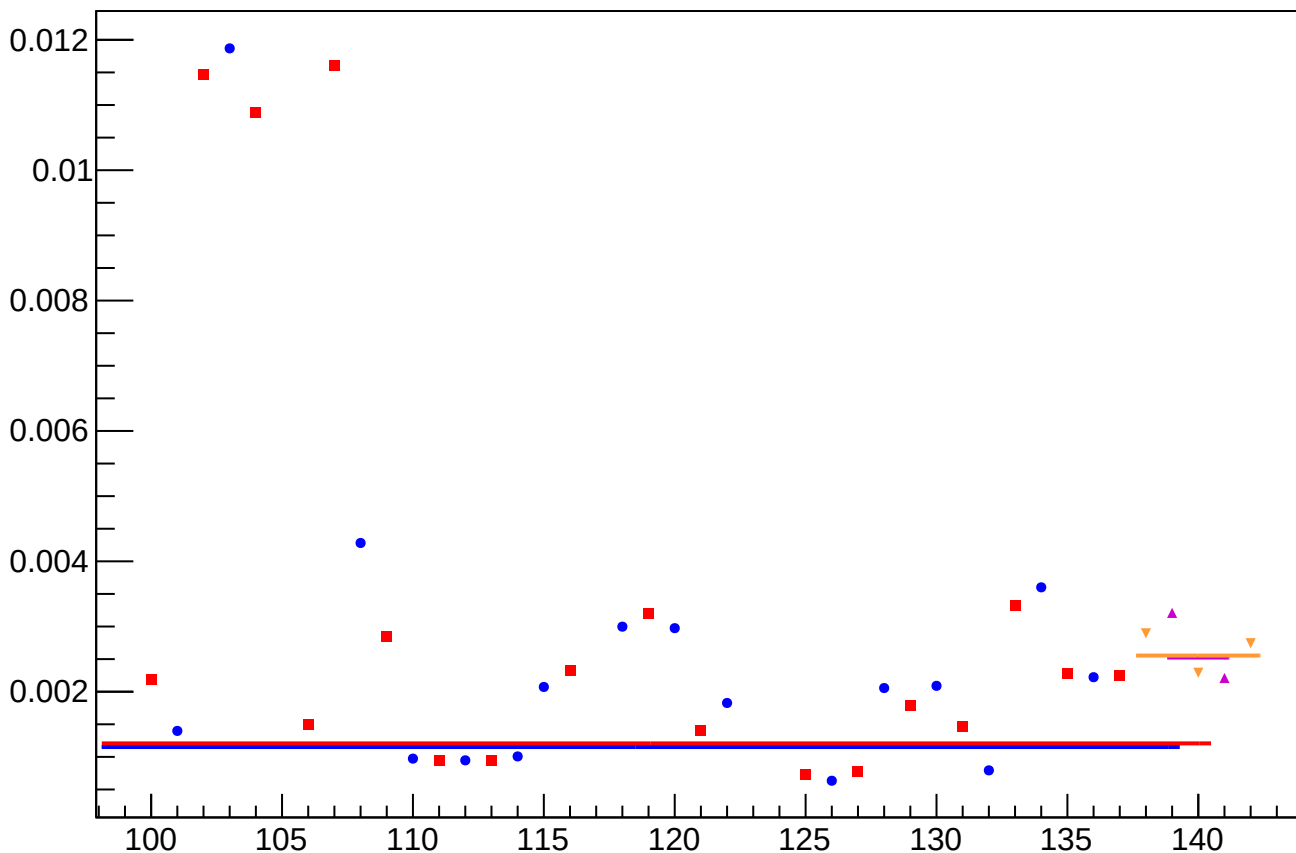
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.2/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 13.9/19

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: 0.003+/-0.000 χ^2/NDF : 47449.6/2

Right Out: 0.001+/-0.000 χ^2/NDF : 4521920.0/17

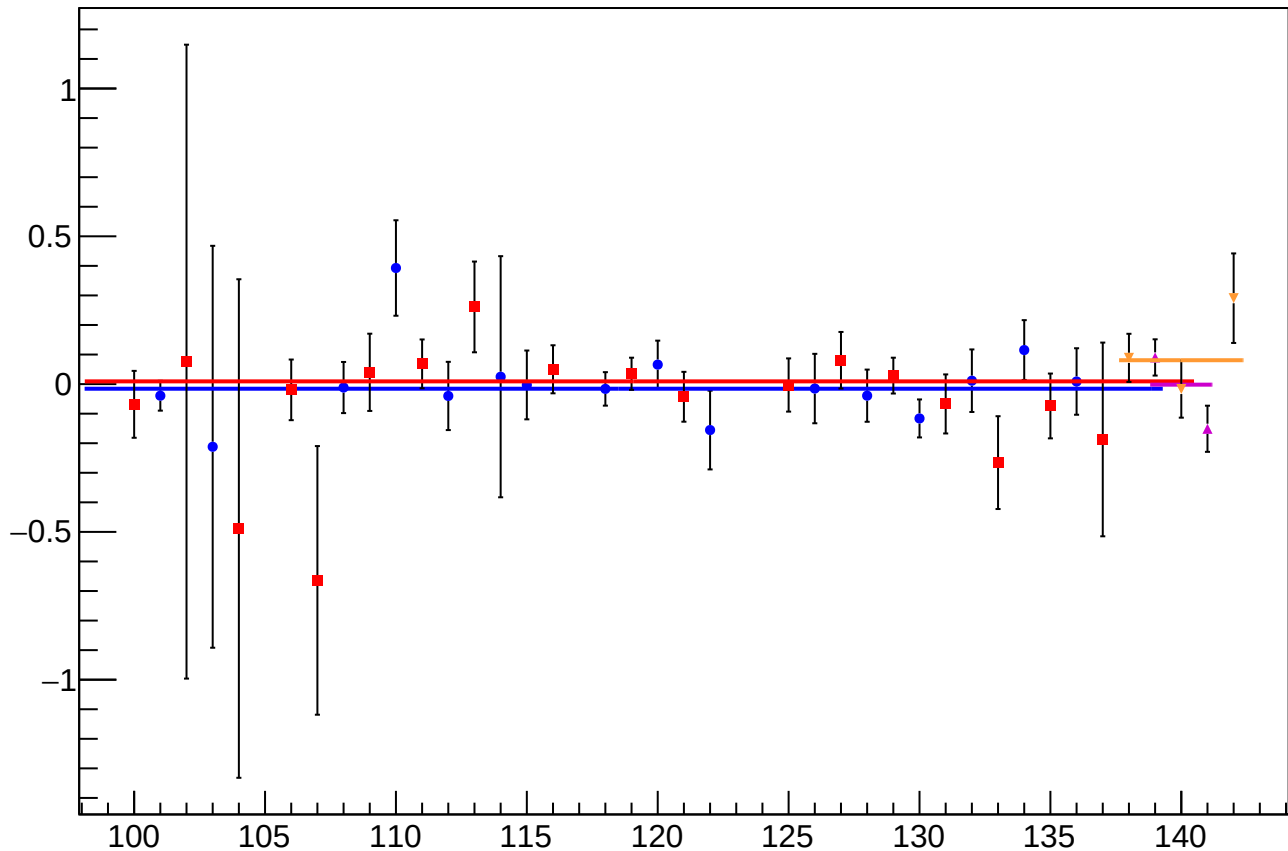
Left In: 0.003+/-0.000 χ^2/NDF : 112371.6/1

+ sign 0.001+/-0.000 χ^2/NDF : 5356179.2/18

All: 0.001+/-0.000 χ^2/NDF : 10838352.2/38

- sign 0.001+/-0.000 χ^2/NDF : 5473562.1/19

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: 0.081 ± 0.058 χ^2/NDF : 2.9/2

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

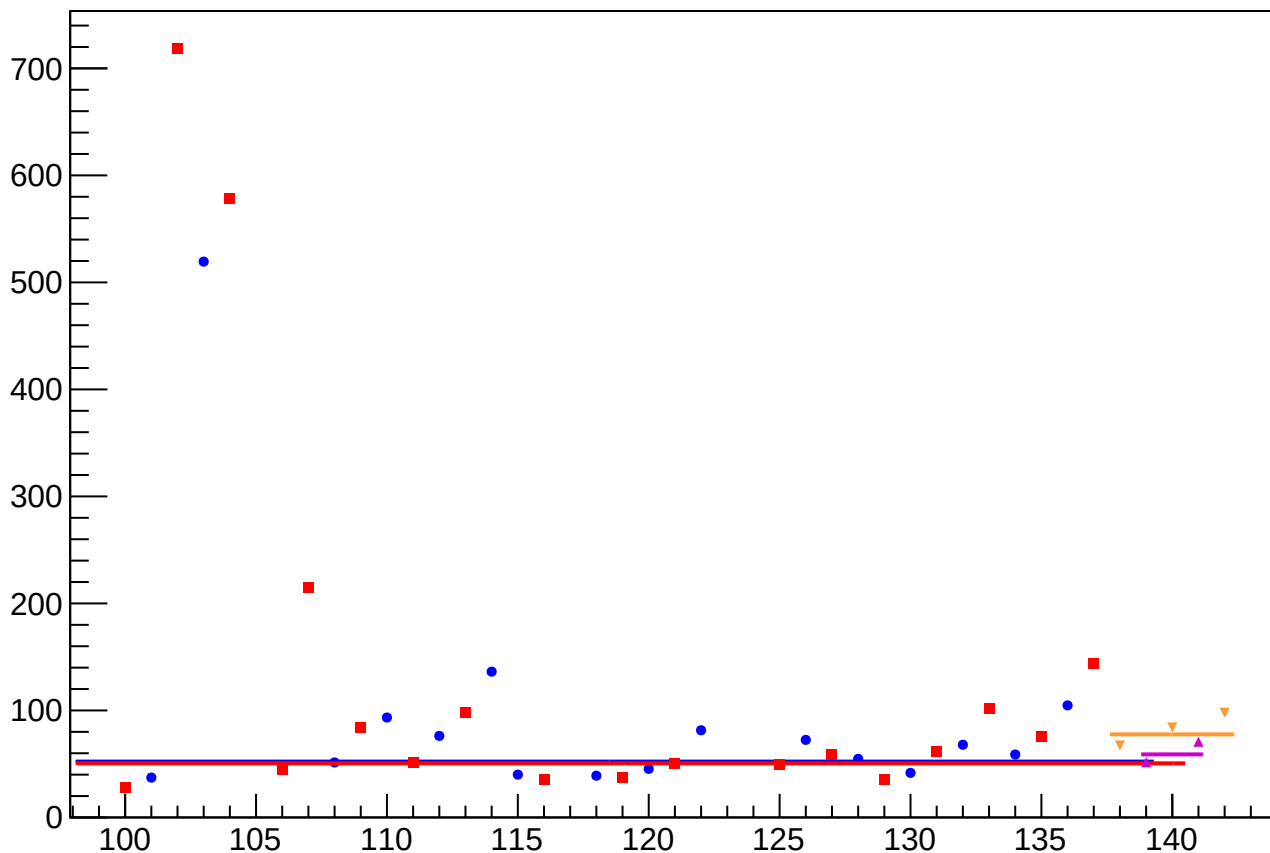
Left In: -0.002 ± 0.048 χ^2/NDF : 5.9/1

+ sign -0.003 ± 0.021 χ^2/NDF : 18.5/18

All: 0.002 ± 0.015 χ^2/NDF : 37.1/38

- sign 0.007 ± 0.021 χ^2/NDF : 18.4/19

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: 77.626 $\pm$ 0.041 χ^2 /NDF: 77154.5/2

Right Out: 50.582 $\pm$ 0.017 χ^2 /NDF: 3051364.2/17

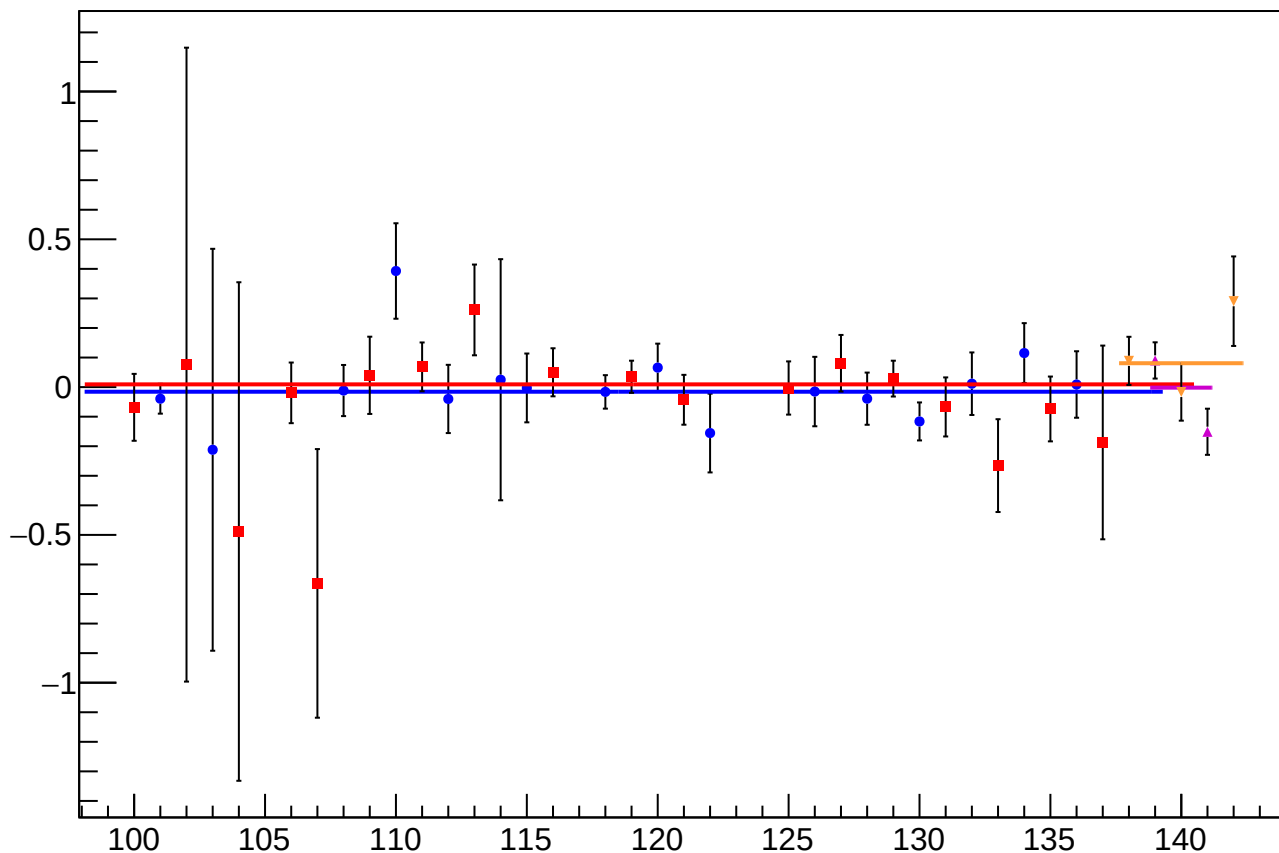
Left In: 58.932 $\pm$ 0.034 χ^2 /NDF: 74358.3/1

+ sign 55.587 $\pm$ 0.015 χ^2 /NDF: 2681027.6/18

All: 53.900 $\pm$ 0.011 χ^2 /NDF: 5880886.9/38

- sign 52.195 $\pm$ 0.015 χ^2 /NDF: 3174109.3/19

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.023 $\chi^2/\text{NDF}: 13.2/15$

Left Out: 0.081 ± 0.058 $\chi^2/\text{NDF}: 2.9/2$

Right Out: 0.009 ± 0.024 $\chi^2/\text{NDF}: 12.5/17$

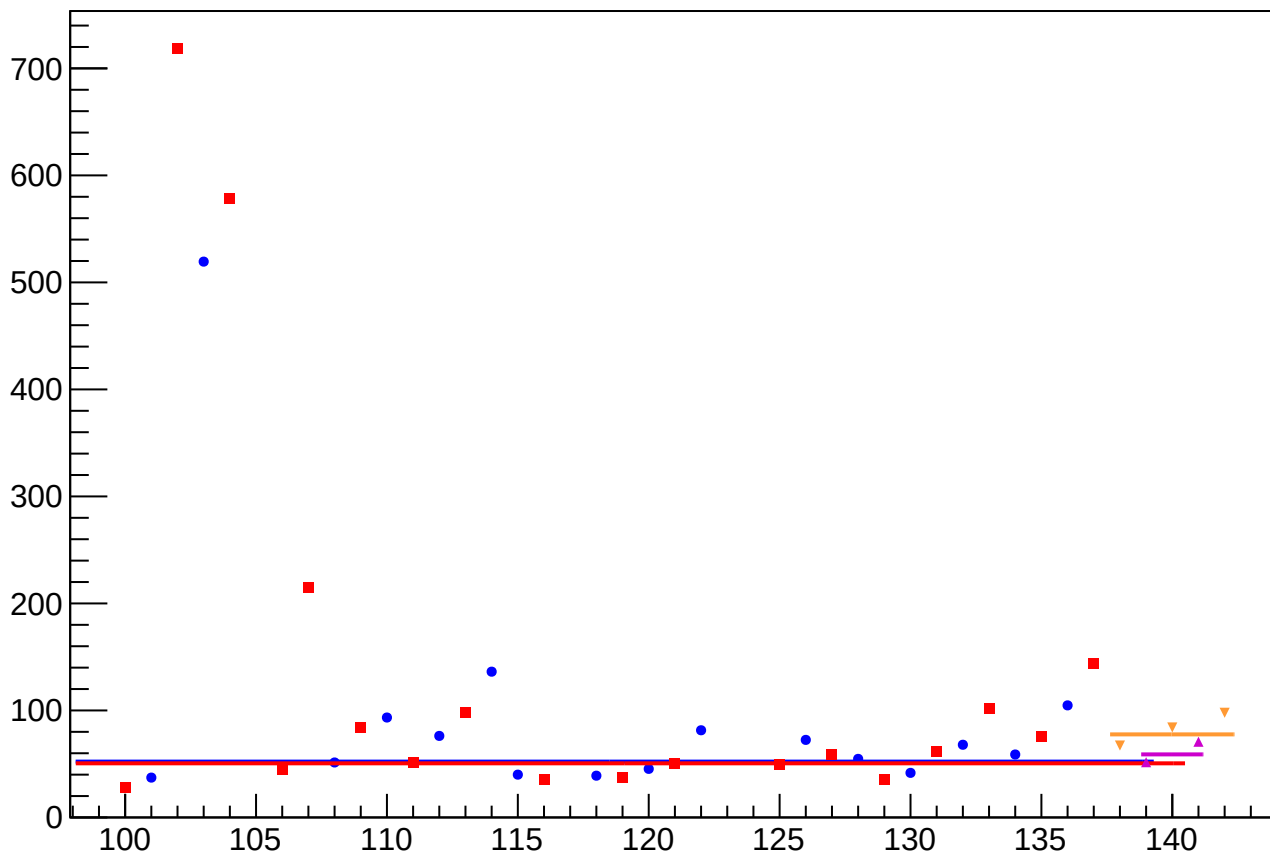
Left In: -0.002 ± 0.048 $\chi^2/\text{NDF}: 5.9/1$

+ sign -0.003 ± 0.021 $\chi^2/\text{NDF}: 18.5/18$

All: 0.002 ± 0.015 $\chi^2/\text{NDF}: 37.1/38$

- sign 0.007 ± 0.021 $\chi^2/\text{NDF}: 18.4/19$

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: 77.626+/-0.041 χ^2/NDF : 77154.5/2

Right Out: 50.582+/-0.017 χ^2/NDF : 3051364.2/17

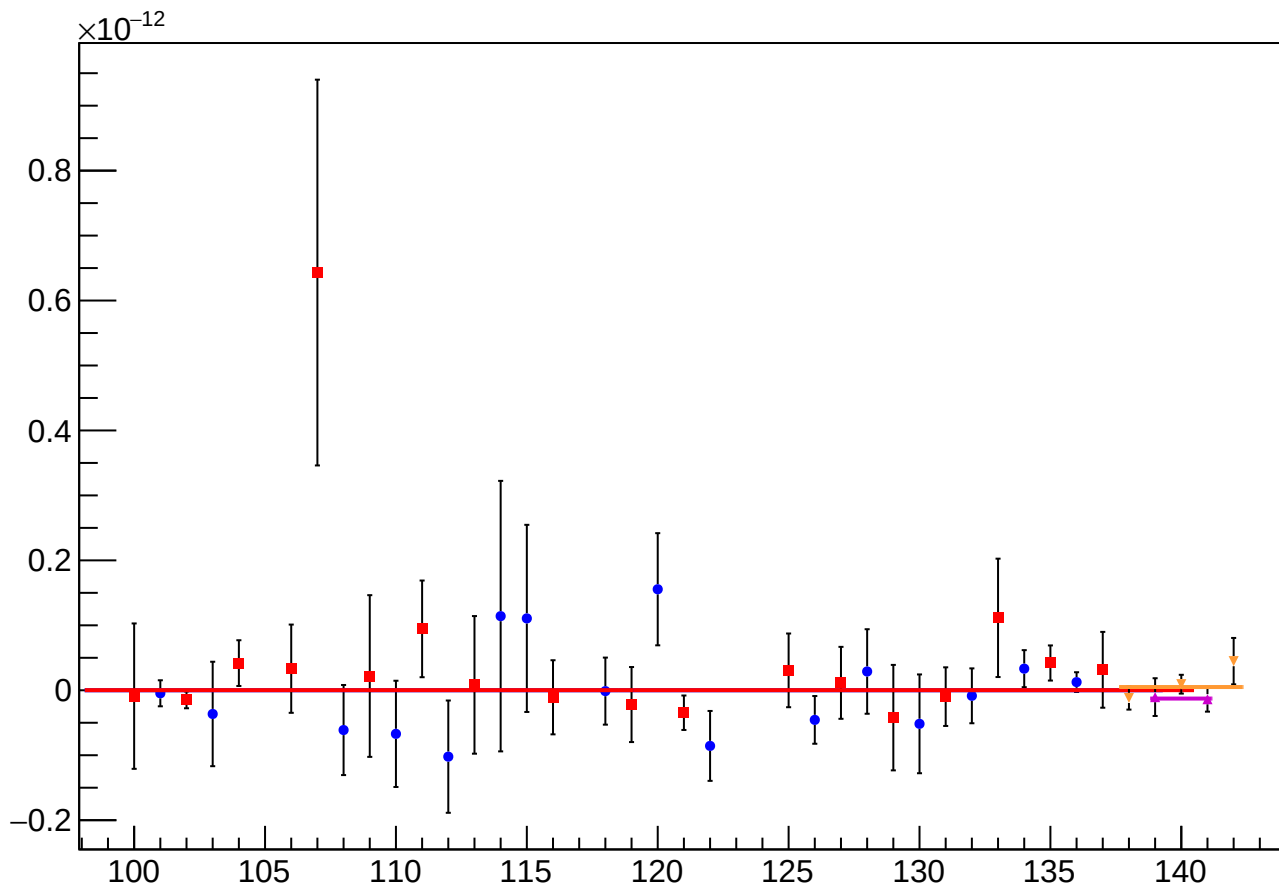
Left In: 58.932+/-0.034 χ^2/NDF : 74358.3/1

+ sign 55.587+/-0.015 χ^2/NDF : 2681027.6/18

All: 53.900+/-0.011 χ^2/NDF : 5880886.9/38

- sign 52.195+/-0.015 χ^2/NDF : 3174109.3/19

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 : 2.2/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.0/17

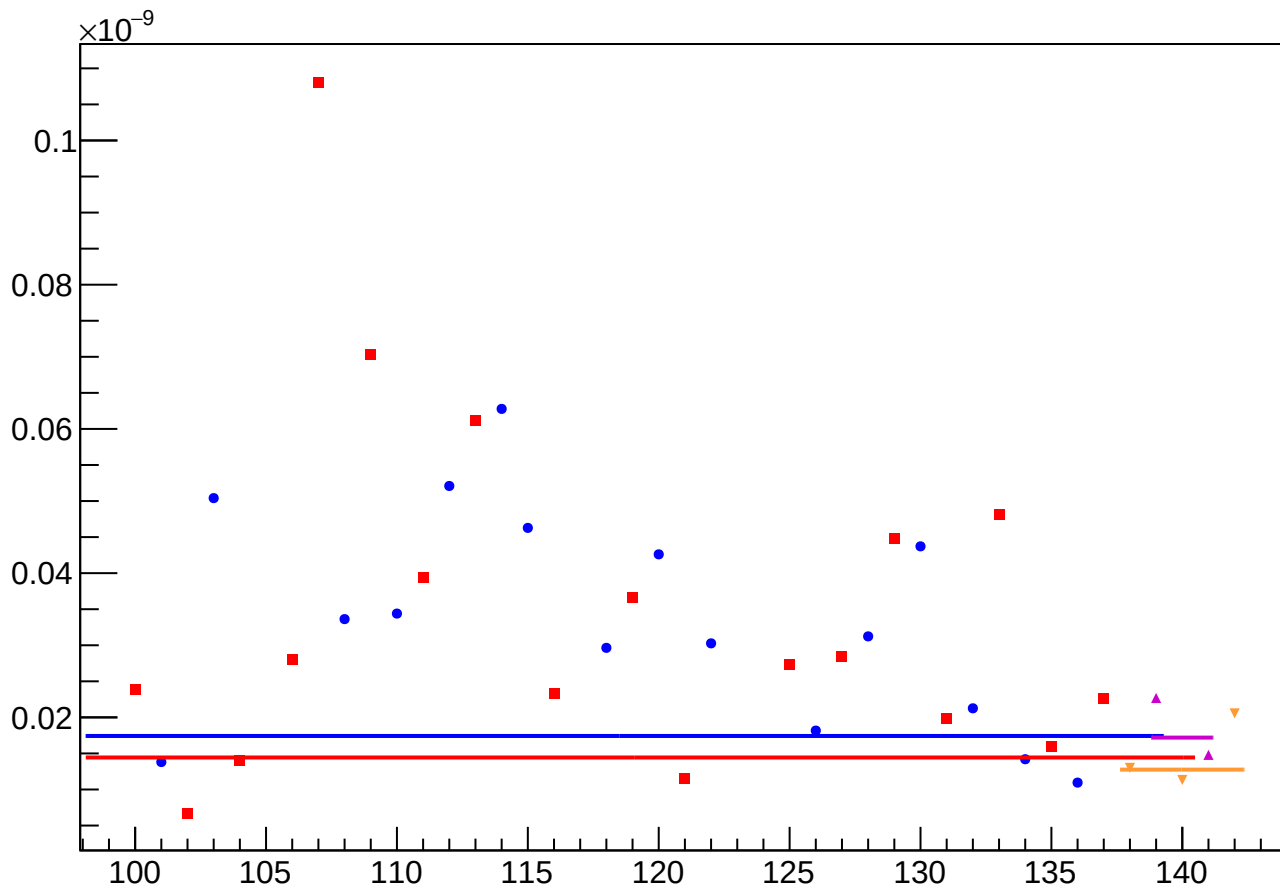
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 16.4/18

All: -0.000 ± 0.000 χ^2/NDF : 33.2/38

- sign -0.000 ± 0.000 χ^2/NDF : 16.5/19

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 : 115465.5/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3261103.3/17

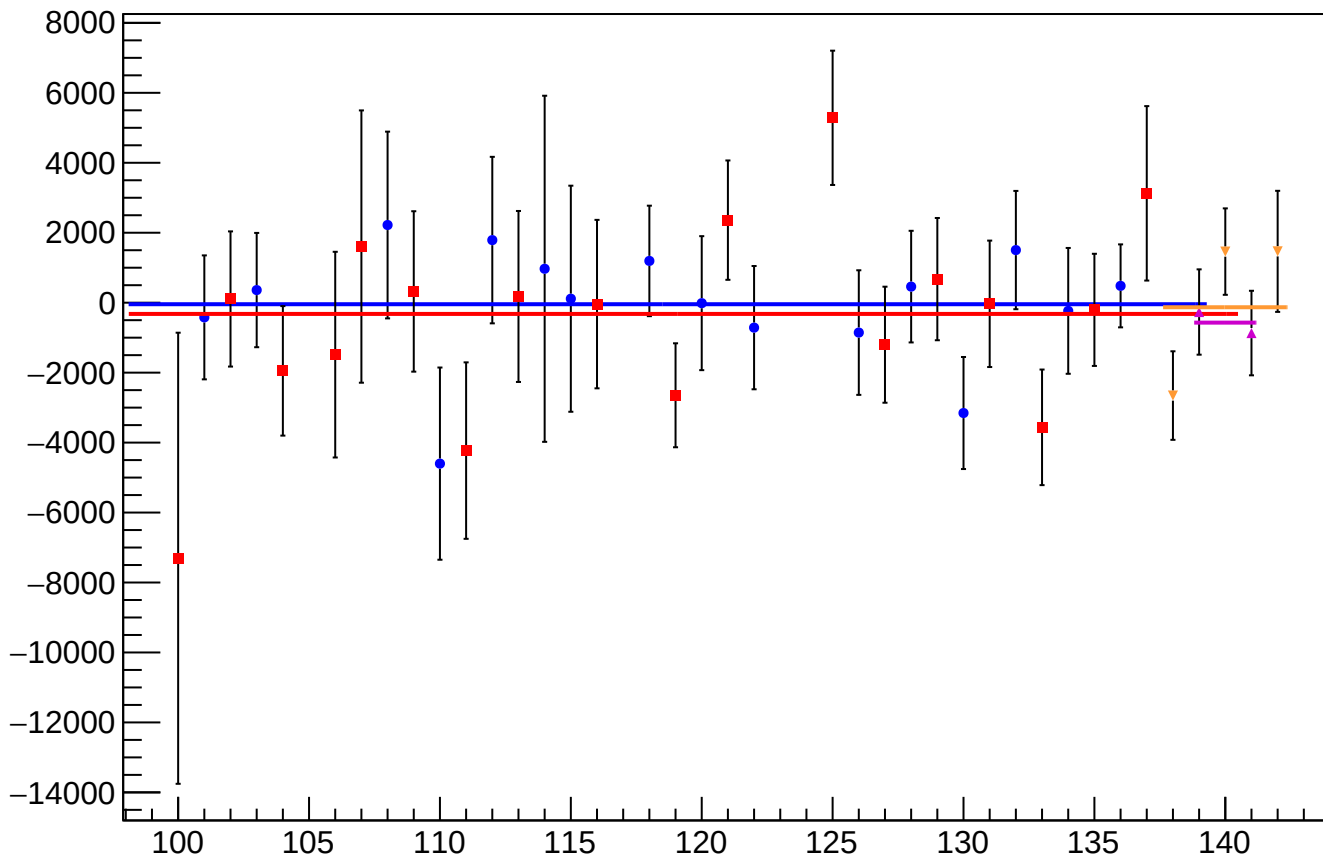
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 102688.1/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2554100.6/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 5964781.6/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3409006.9/19

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -130.460 ± 787.409 χ^2/NDF : 6.5/2

Right Out: -321.266 ± 474.939 χ^2/NDF : 24.8/17

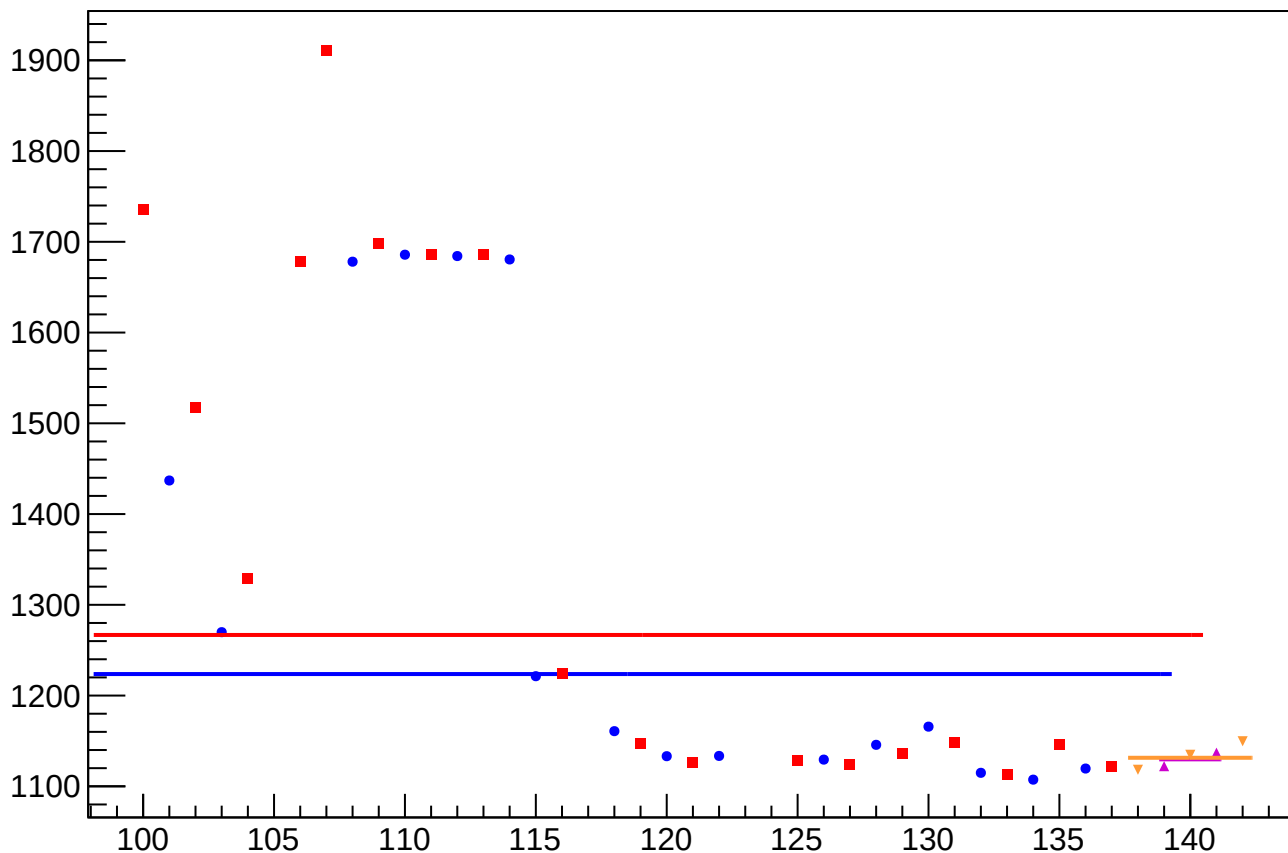
Left In: -570.101 ± 858.507 χ^2/NDF : 0.1/1

+ sign -65.706 ± 396.688 χ^2/NDF : 16.6/18

All: -215.343 ± 286.948 χ^2/NDF : 41.9/38

- sign -379.576 ± 415.584 χ^2/NDF : 25.0/19

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF : 294966.1/15

Left Out: 1131.445+/-0.557 χ^2/NDF : 453.2/2

Right Out: 1266.780+/-0.336 χ^2/NDF : 432845.4/17

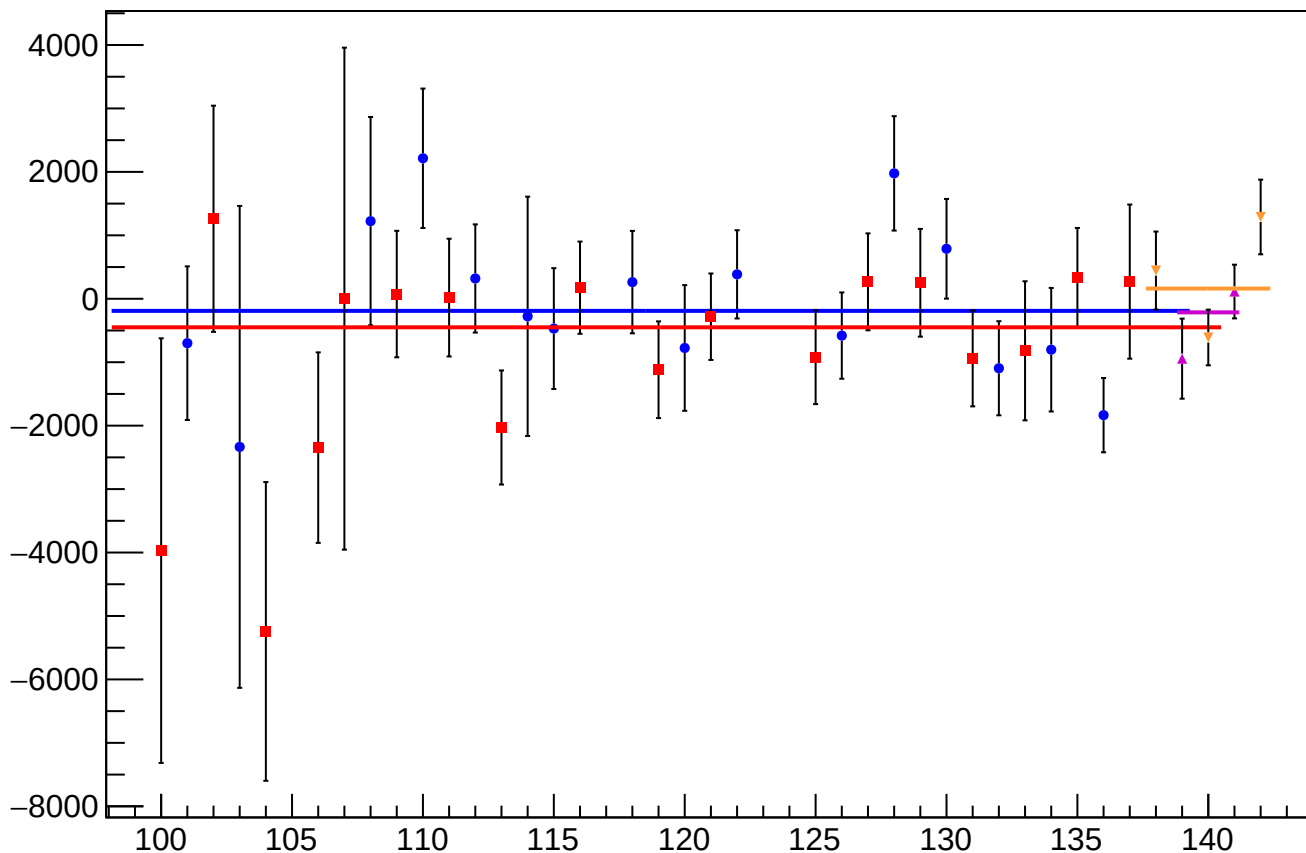
Left In: 1129.711+/-0.607 χ^2/NDF : 150.4/1

+ sign 1200.289+/-0.281 χ^2/NDF : 315907.7/18

All: 1216.676+/-0.203 χ^2/NDF : 795097.2/38

- sign 1234.660+/-0.294 χ^2/NDF : 472031.2/19

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634 ± 222.869 χ^2/NDF : 25.2/15

Left Out: 161.156 ± 305.328 χ^2/NDF : 7.0/2

Right Out: -449.847 ± 223.203 χ^2/NDF : 16.8/17

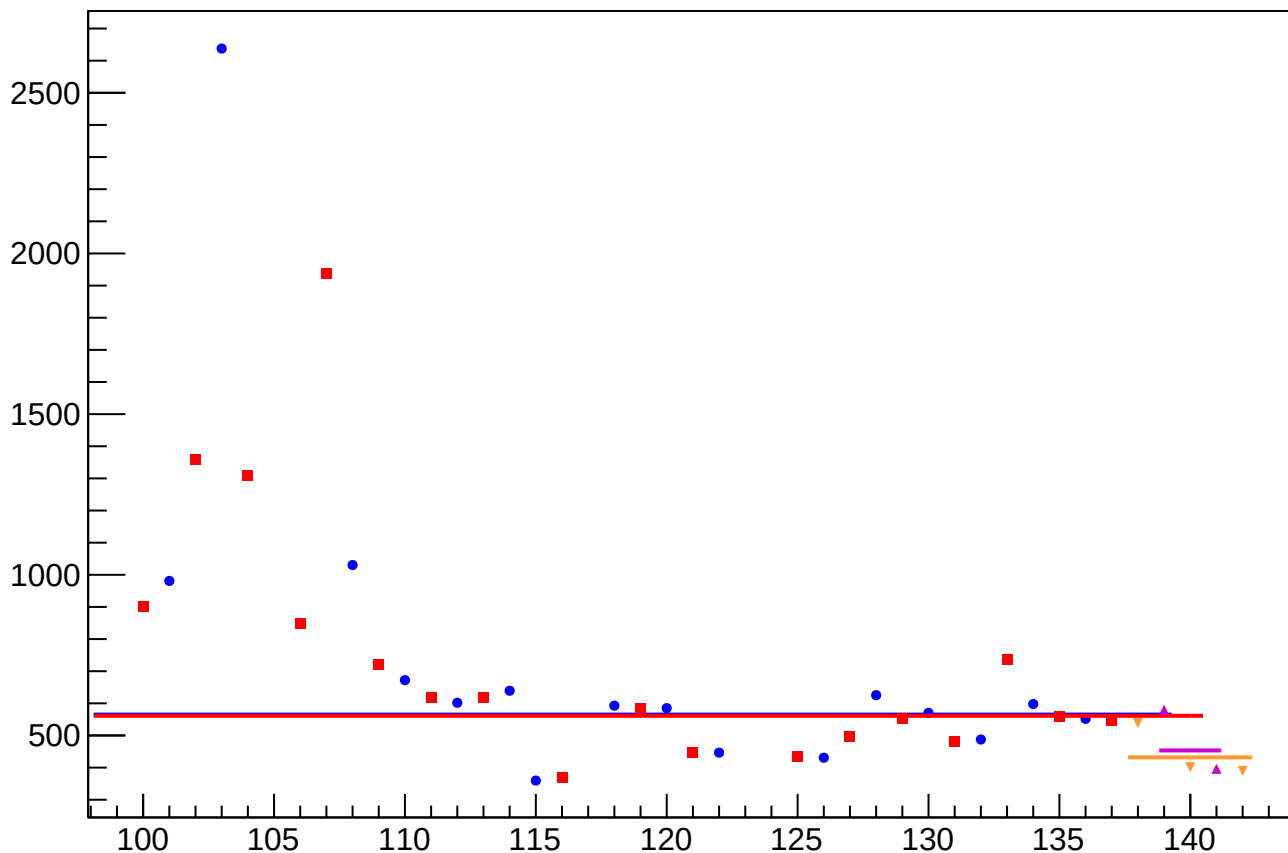
Left In: -214.492 ± 351.549 χ^2/NDF : 1.9/1

+ sign -68.352 ± 180.014 χ^2/NDF : 33.1/18

All: -218.124 ± 130.163 χ^2/NDF : 53.6/38

- sign -382.230 ± 188.431 χ^2/NDF : 19.1/19

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959 $\pm$ 0.158 χ^2 /NDF: 1284478.9/15

Left Out: 431.900 $\pm$ 0.216 χ^2 /NDF: 80260.4/2

Right Out: 561.243 $\pm$ 0.158 χ^2 /NDF: 1352239.3/17

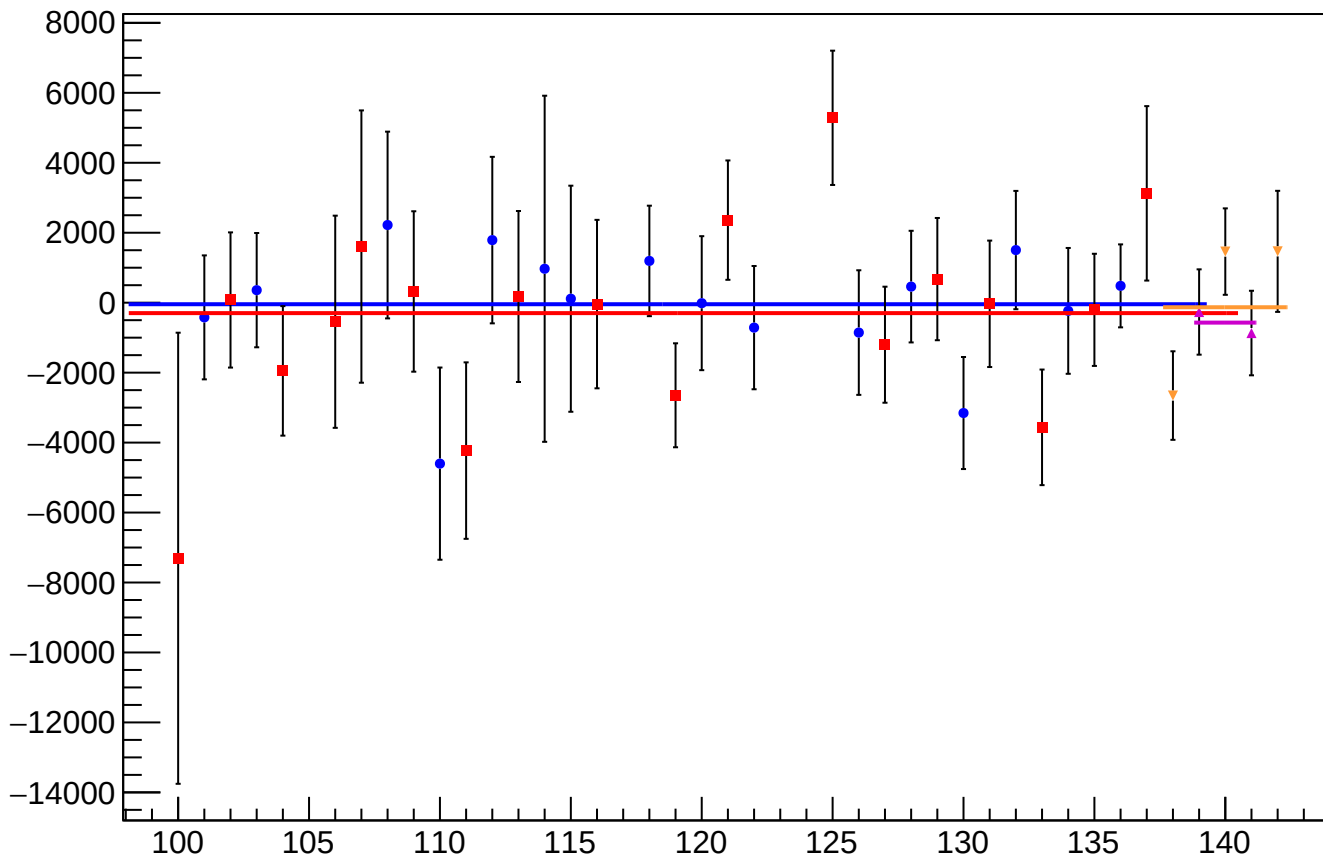
Left In: 453.383 $\pm$ 0.249 χ^2 /NDF: 116939.2/1

+ sign 518.708 $\pm$ 0.127 χ^2 /NDF: 1612537.0/18

All: 524.218 $\pm$ 0.092 χ^2 /NDF: 3219823.6/38

- sign 530.255 $\pm$ 0.133 χ^2 /NDF: 1603359.6/19

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -130.454 ± 787.409 χ^2/NDF : 6.5/2

Right Out: -298.207 ± 475.315 χ^2/NDF : 24.6/17

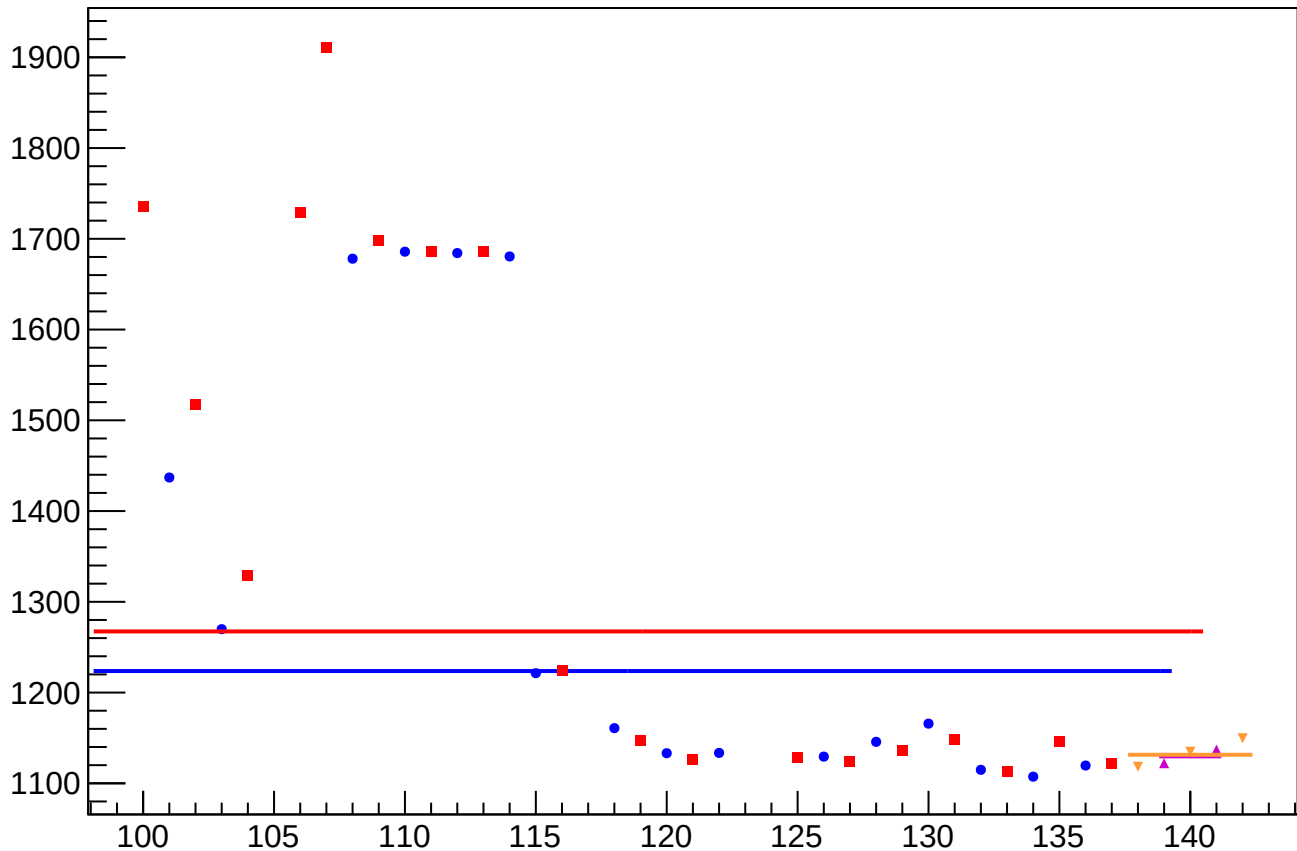
Left In: -569.851 ± 858.507 χ^2/NDF : 0.1/1

+ sign -65.884 ± 396.688 χ^2/NDF : 16.6/18

All: -206.939 ± 287.031 χ^2/NDF : 41.7/38

- sign -361.939 ± 415.835 χ^2/NDF : 24.8/19

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 $\pm$ 0.325 χ^2 /NDF: 294966.1/15

Left Out: 1131.445 $\pm$ 0.557 χ^2 /NDF: 453.2/2

Right Out: 1267.363 $\pm$ 0.336 χ^2 /NDF: 439982.4/17

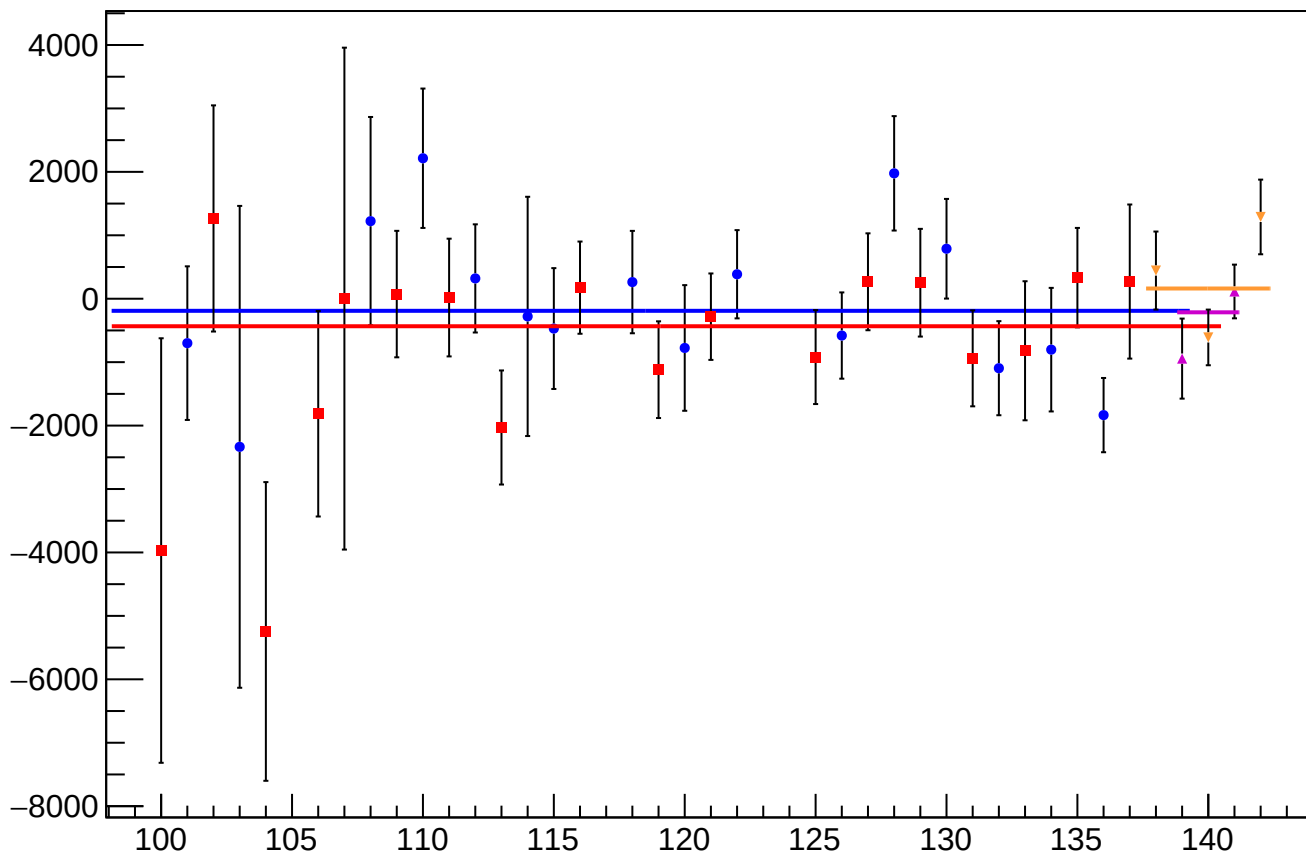
Left In: 1129.711 $\pm$ 0.607 χ^2 /NDF: 150.4/1

+ sign 1200.289 $\pm$ 0.281 χ^2 /NDF: 315907.7/18

All: 1216.859 $\pm$ 0.203 χ^2 /NDF: 802718.8/38

- sign 1235.068 $\pm$ 0.294 χ^2 /NDF: 479486.6/19

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645 ± 222.867 χ^2/NDF : 25.3/15

Left Out: 161.129 ± 305.331 χ^2/NDF : 7.0/2

Right Out: -433.877 ± 223.547 χ^2/NDF : 15.9/17

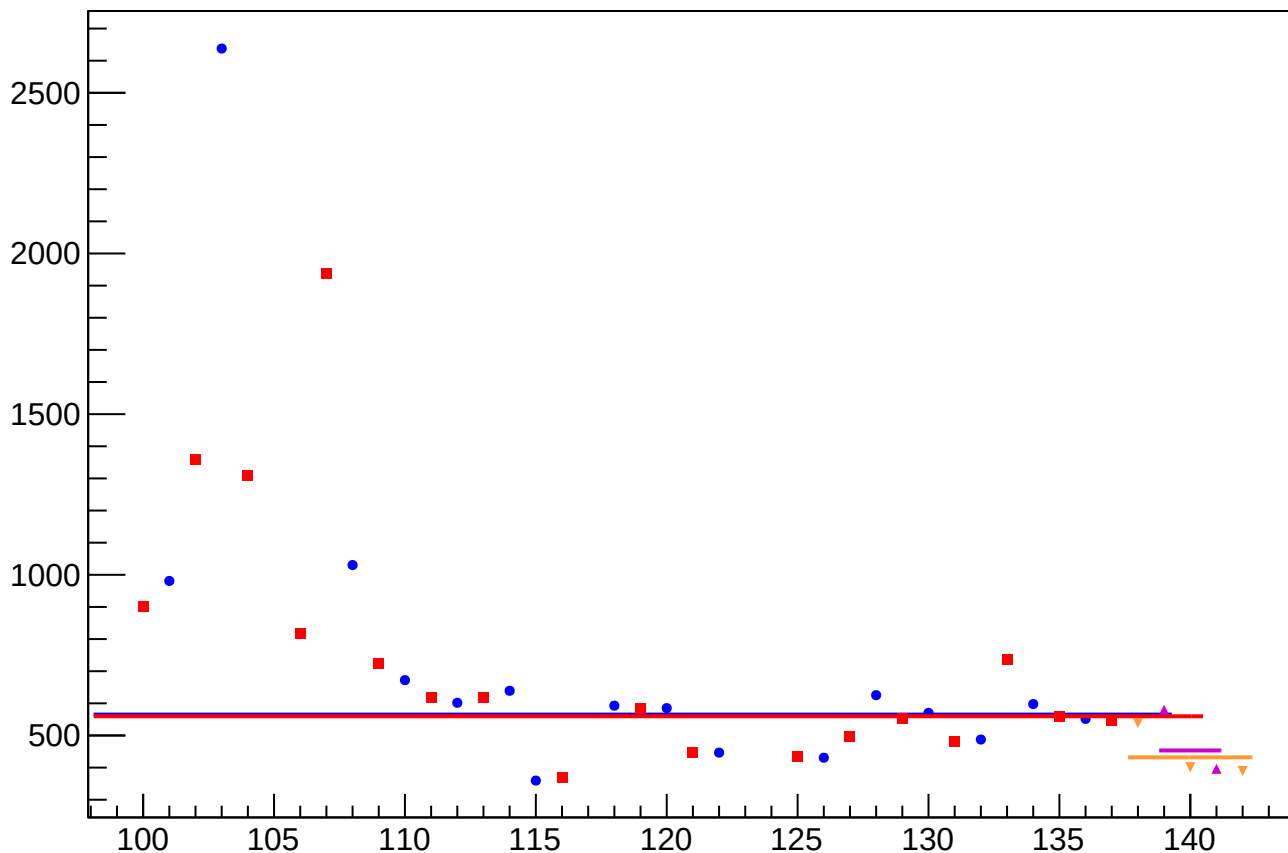
Left In: -214.308 ± 351.549 χ^2/NDF : 1.9/1

+ sign -68.371 ± 180.014 χ^2/NDF : 33.1/18

All: -212.446 ± 130.231 χ^2/NDF : 52.6/38

- sign -370.657 ± 188.638 χ^2/NDF : 18.2/19

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954 $\pm$ 0.158 χ^2 /NDF: 1284455.7/15

Left Out: 431.904 $\pm$ 0.216 χ^2 /NDF:80238.5/2

Right Out: 559.758 $\pm$ 0.158 χ^2 /NDF: 1329357.2/17

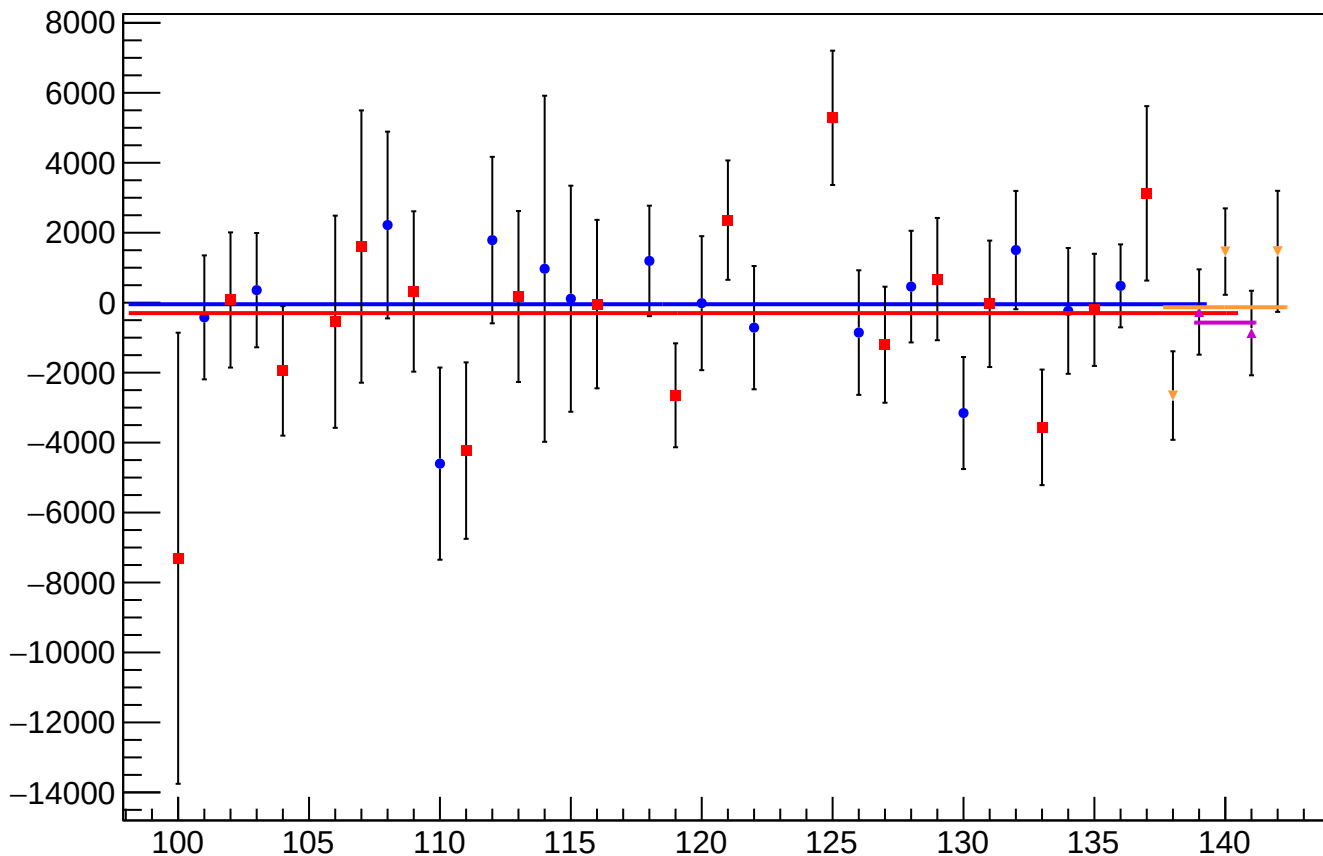
Left In: 453.383 $\pm$ 0.249 χ^2 /NDF:116935.3/1

+ sign 518.707 $\pm$ 0.127 χ^2 /NDF: 1612459.3/18

All: 523.674 $\pm$ 0.092 χ^2 /NDF: 3192340.7/38

- sign 529.129 $\pm$ 0.133 χ^2 /NDF: 1576686.1/19

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923 ± 459.222 χ^2/NDF : 10.1/15

Left Out: -130.454 ± 787.409 χ^2/NDF : 6.5/2

Right Out: -298.207 ± 475.315 χ^2/NDF : 24.6/17

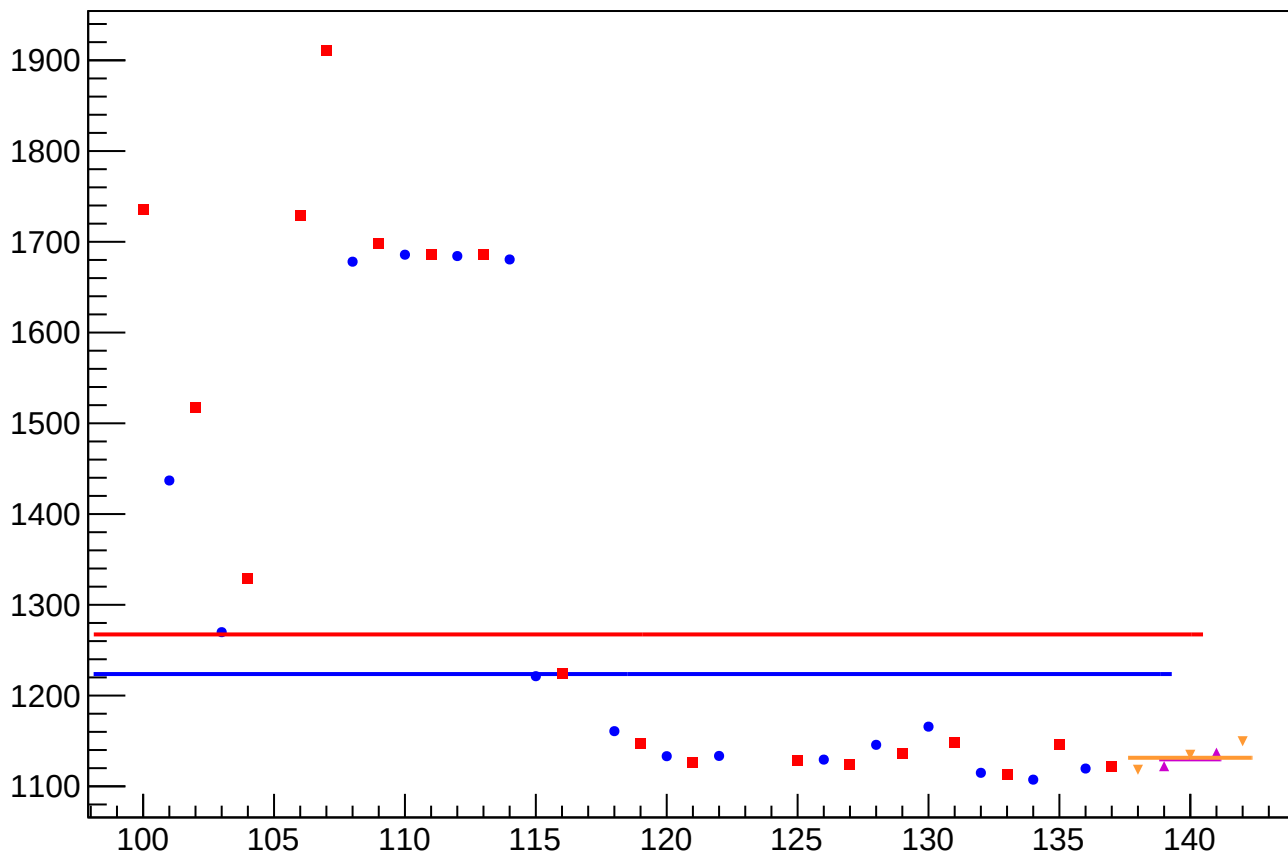
Left In: -569.851 ± 858.507 χ^2/NDF : 0.1/1

+ sign -65.884 ± 396.688 χ^2/NDF : 16.6/18

All: -206.939 ± 287.031 χ^2/NDF : 41.7/38

- sign -361.939 ± 415.835 χ^2/NDF : 24.8/19

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 $\pm$ 0.325 χ^2 /NDF: 294966.1/15

Left Out: 1131.445 $\pm$ 0.557 χ^2 /NDF: 453.2/2

Right Out: 1267.363 $\pm$ 0.336 χ^2 /NDF: 439982.4/17

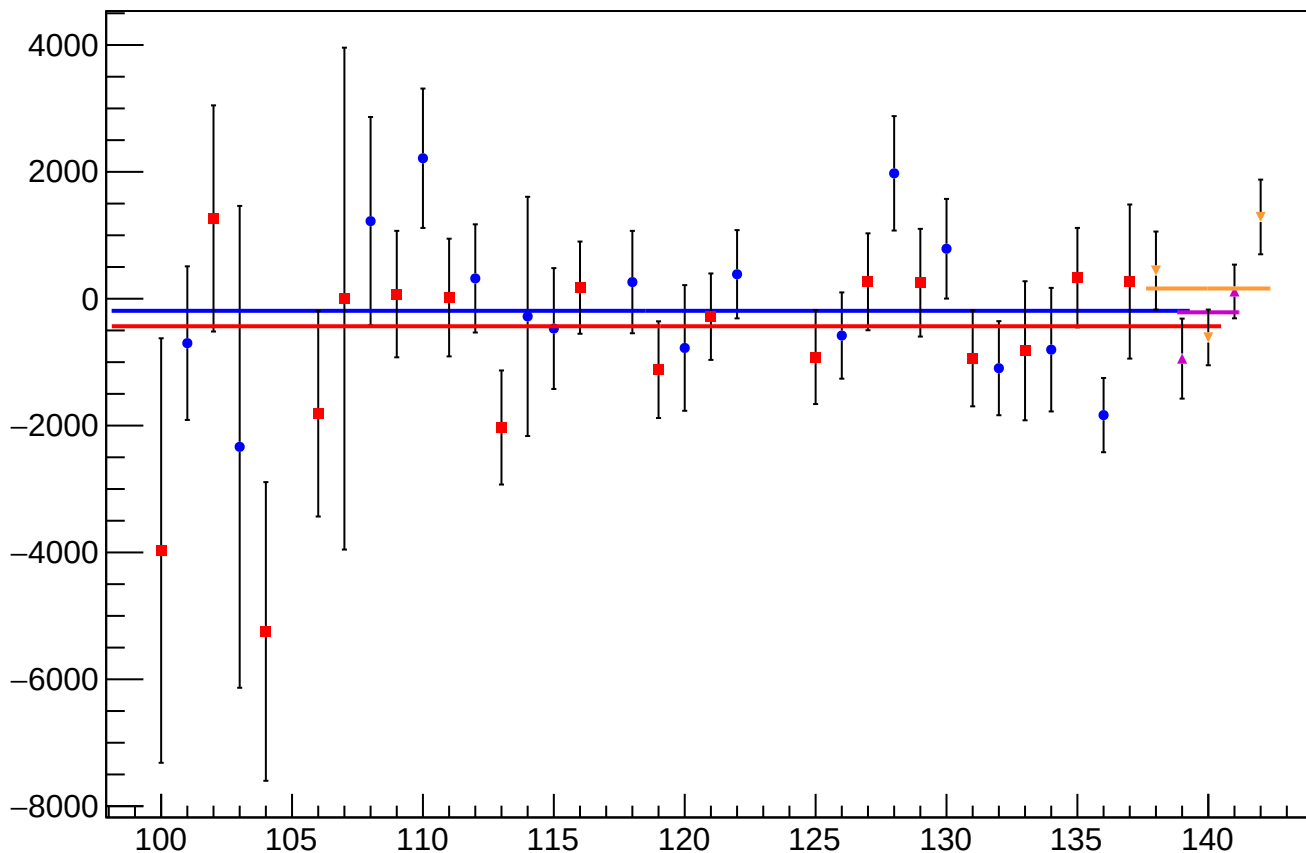
Left In: 1129.711 $\pm$ 0.607 χ^2 /NDF: 150.4/1

+ sign 1200.289 $\pm$ 0.281 χ^2 /NDF: 315907.7/18

All: 1216.859 $\pm$ 0.203 χ^2 /NDF: 802718.8/38

- sign 1235.068 $\pm$ 0.294 χ^2 /NDF: 479486.6/19

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -190.645 ± 222.867 χ^2/NDF : 25.3/15

Left Out: 161.129 ± 305.331 χ^2/NDF : 7.0/2

Right Out: -433.877 ± 223.547 χ^2/NDF : 15.9/17

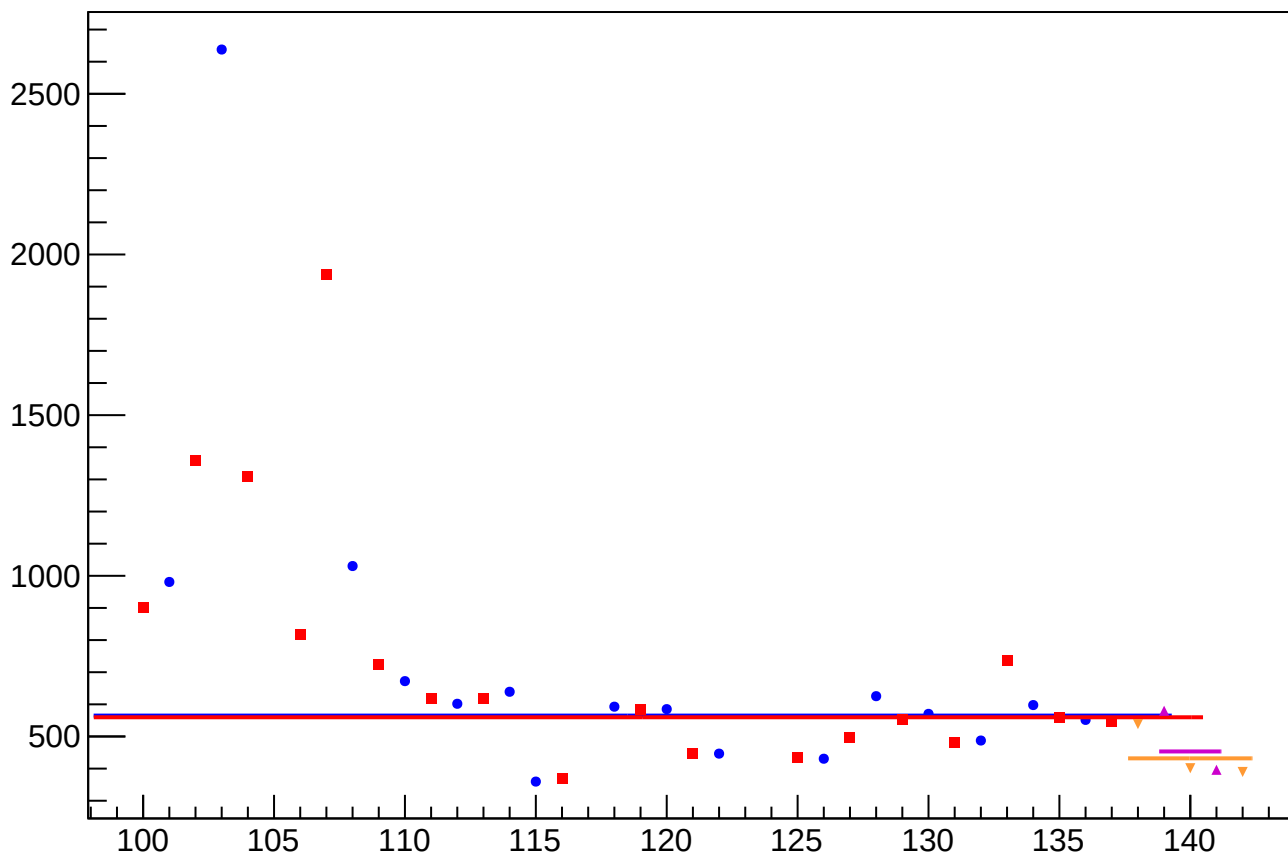
Left In: -214.308 ± 351.549 χ^2/NDF : 1.9/1

+ sign -68.371 ± 180.014 χ^2/NDF : 33.1/18

All: -212.446 ± 130.231 χ^2/NDF : 52.6/38

- sign -370.657 ± 188.638 χ^2/NDF : 18.2/19

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: 431.904 $\pm$ 0.216 χ^2 /NDF: 80238.5/2

Right Out: 559.758 $\pm$ 0.158 χ^2 /NDF: 1329357.2/17

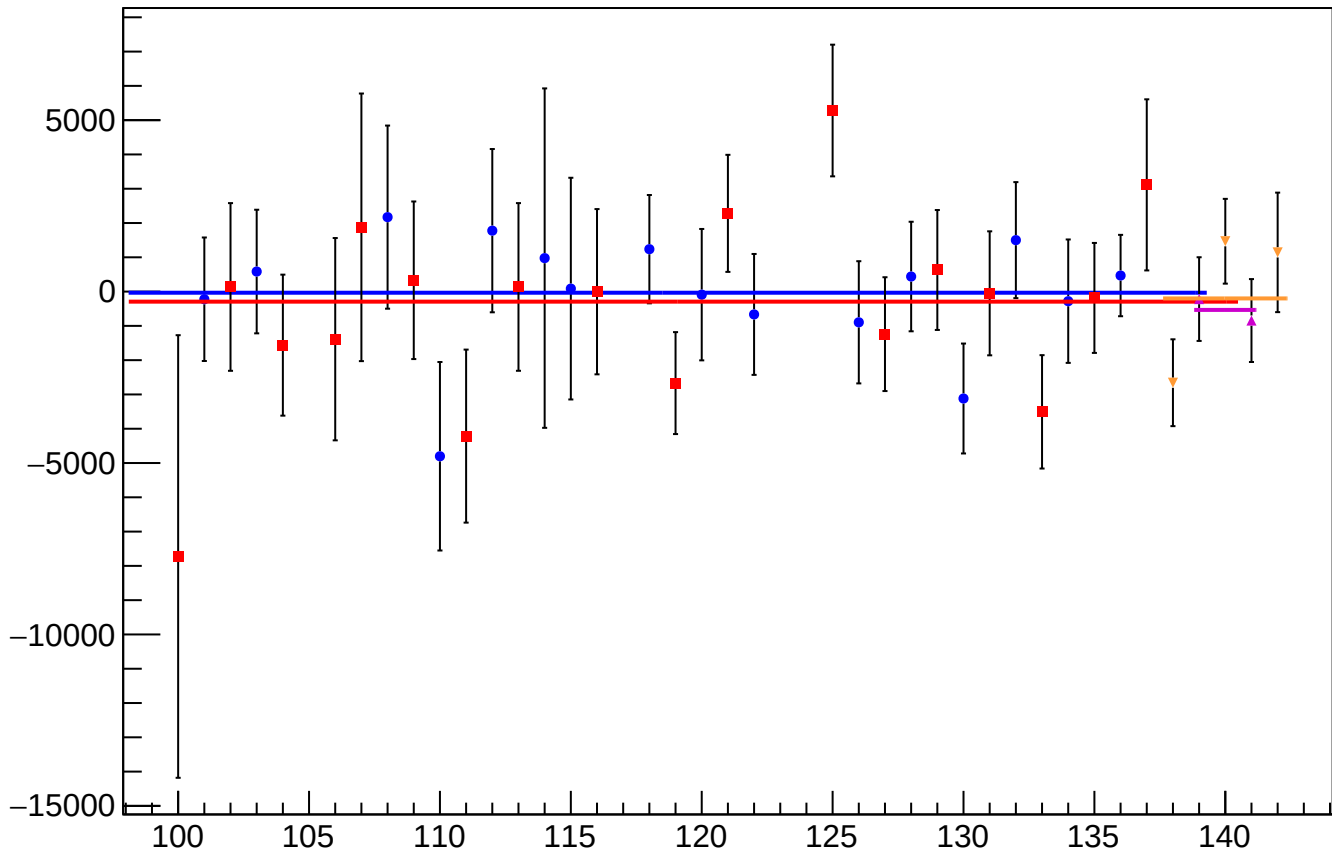
Left In: 453.383 $\pm$ 0.249 χ^2 /NDF: 116935.3/1

+ sign 518.707 $\pm$ 0.127 χ^2 /NDF: 1612459.3/18

All: 523.674 $\pm$ 0.092 χ^2 /NDF: 3192340.7/38

- sign 529.129 $\pm$ 0.133 χ^2 /NDF: 1576686.1/19

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062 ± 463.216 χ^2/NDF : 10.3/15

Left Out: -199.423 ± 788.856 χ^2/NDF : 6.2/2

Right Out: -293.384 ± 483.838 χ^2/NDF : 24.2/17

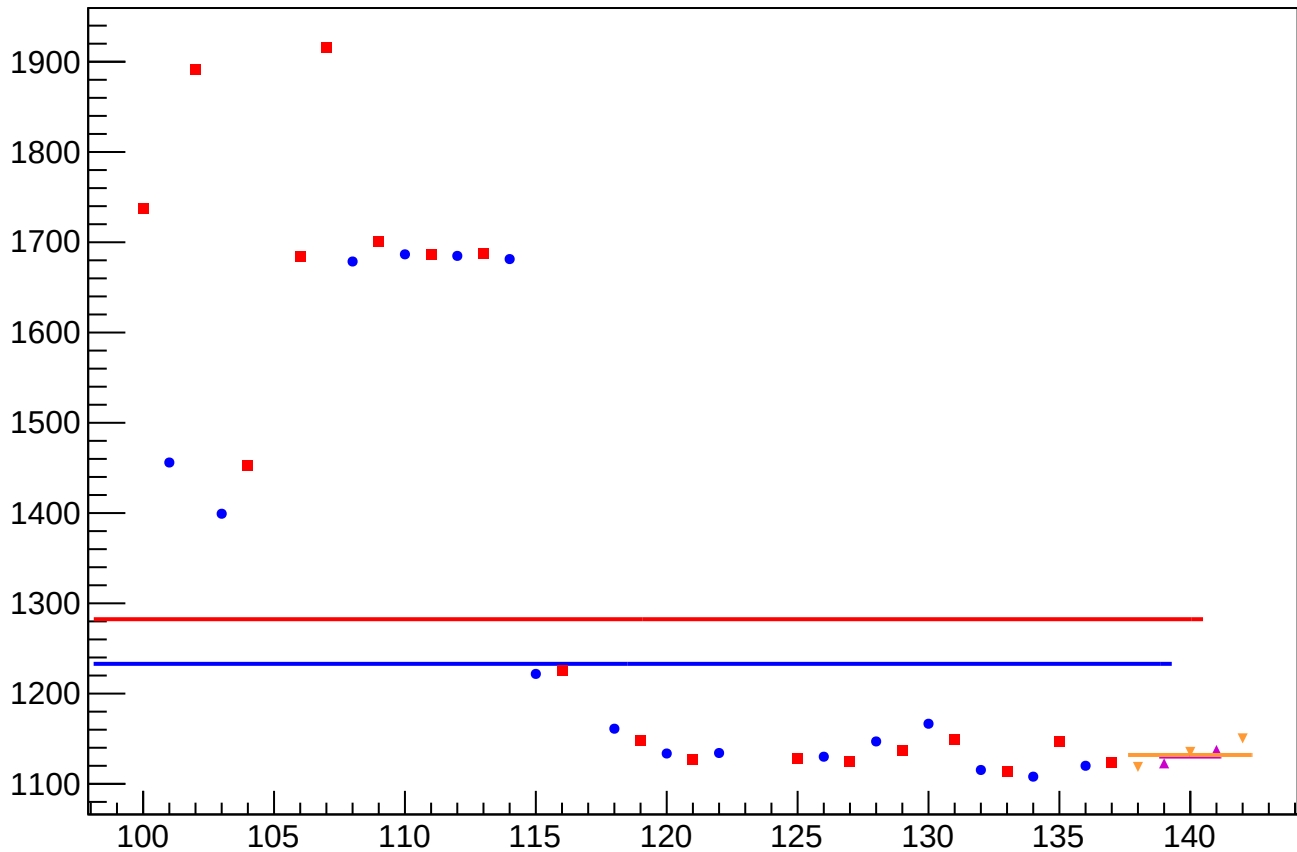
Left In: -534.506 ± 858.886 χ^2/NDF : 0.1/1

+ sign -75.717 ± 399.442 χ^2/NDF : 16.5/18

All: -206.173 ± 289.949 χ^2/NDF : 41.1/38

- sign -351.470 ± 421.551 χ^2/NDF : 24.4/19

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF : 315470.6/15

Left Out: 1132.004+/-0.558 χ^2/NDF : 456.6/2

Right Out: 1282.407+/-0.342 χ^2/NDF : 543403.8/17

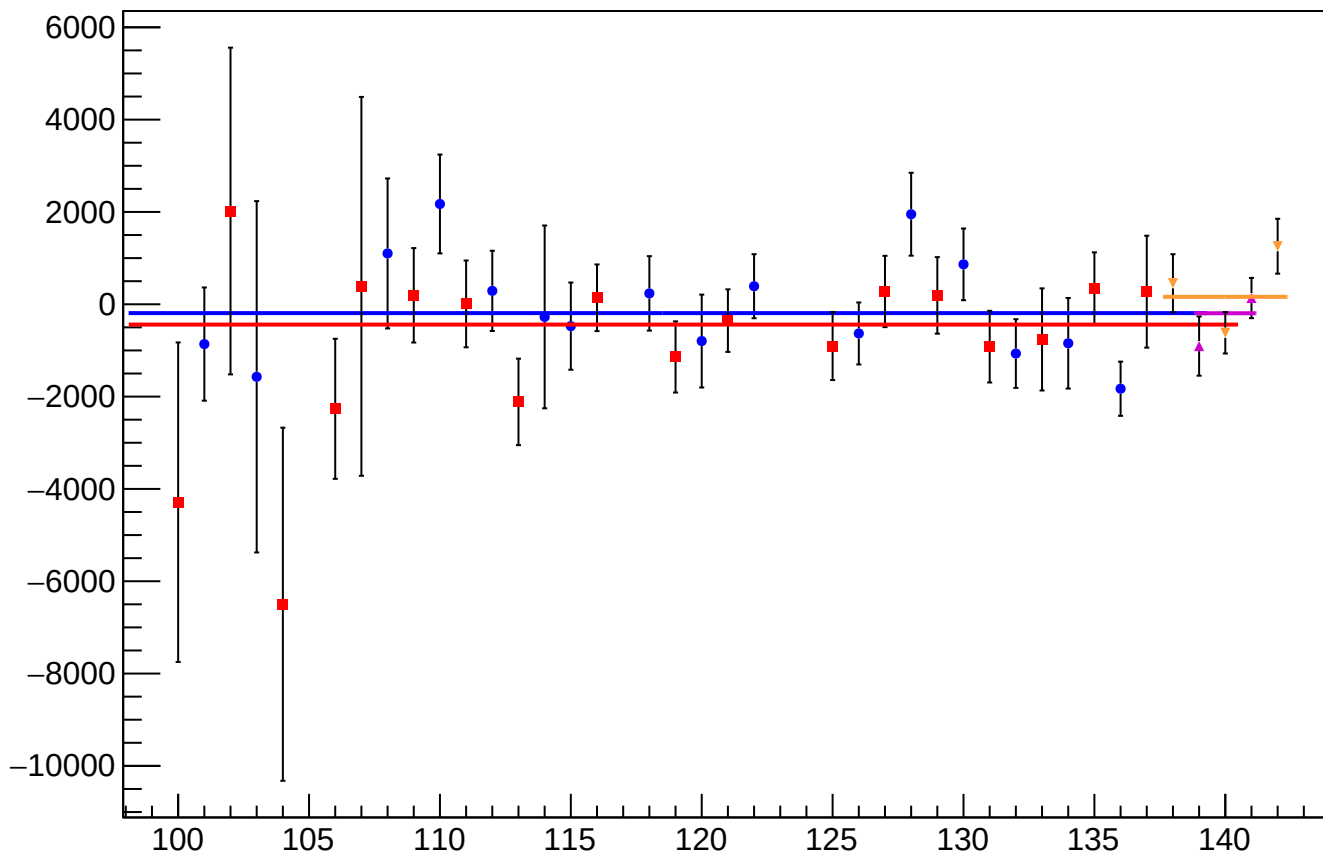
Left In: 1130.209+/-0.607 χ^2/NDF : 148.4/1

+ sign 1207.079+/-0.282 χ^2/NDF : 340287.6/18

All: 1225.370+/-0.205 χ^2/NDF : 940378.6/38

- sign 1245.743+/-0.298 χ^2/NDF : 591226.0/19

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528 $\pm$ 222.764 χ^2/NDF : 25.3/15

Left Out: 161.403 $\pm$ 311.454 χ^2/NDF : 6.6/2

Right Out: -439.610 $\pm$ 226.600 χ^2/NDF : 14.6/17

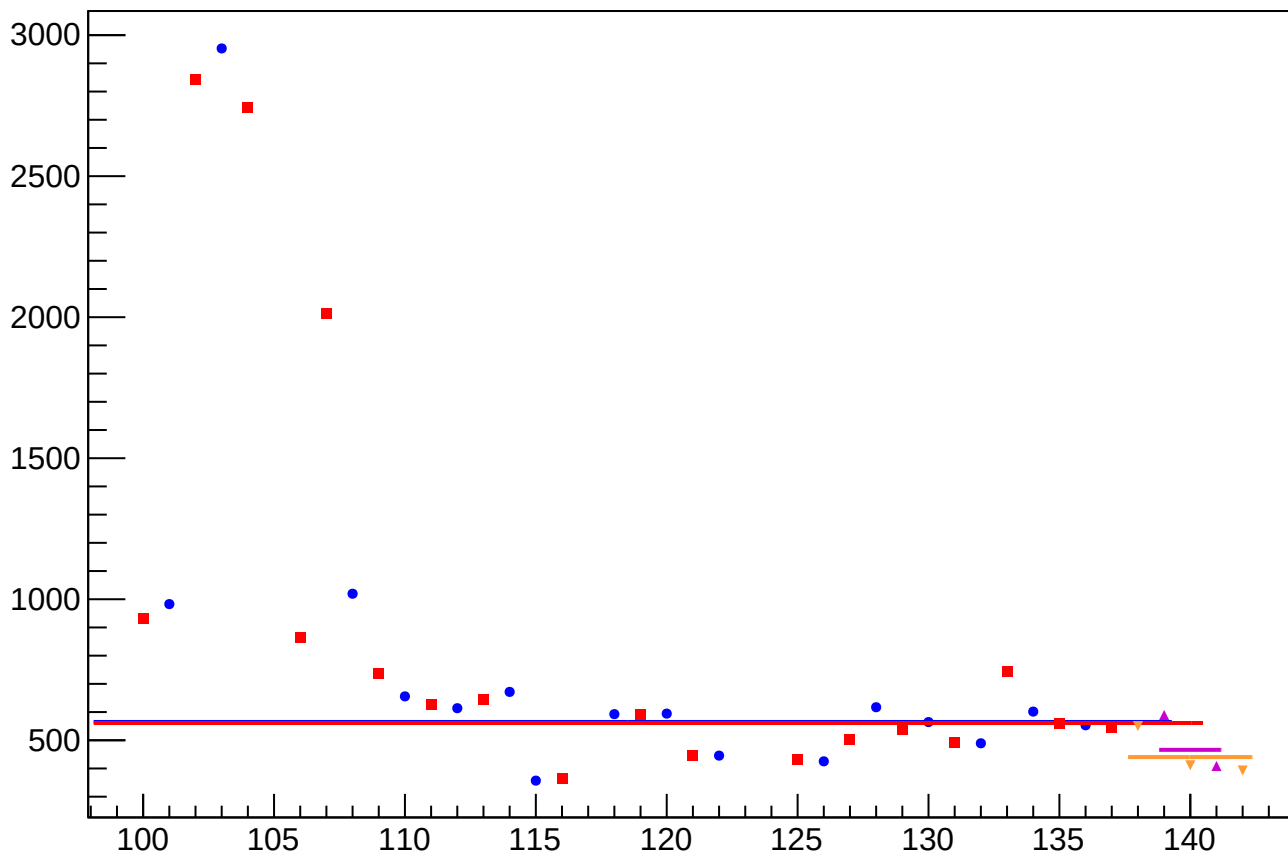
Left In: -194.194 $\pm$ 360.728 χ^2/NDF : 1.8/1

+ sign -72.084 $\pm$ 181.189 χ^2/NDF : 32.7/18

All: -212.589 $\pm$ 131.738 χ^2/NDF : 50.8/38

- sign -370.169 $\pm$ 191.882 χ^2/NDF : 16.8/19

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF : 1480375.5/15

Left Out: 440.427+/-0.220 χ^2/NDF : 82617.4/2

Right Out: 561.273+/-0.160 χ^2/NDF : 2273371.7/17

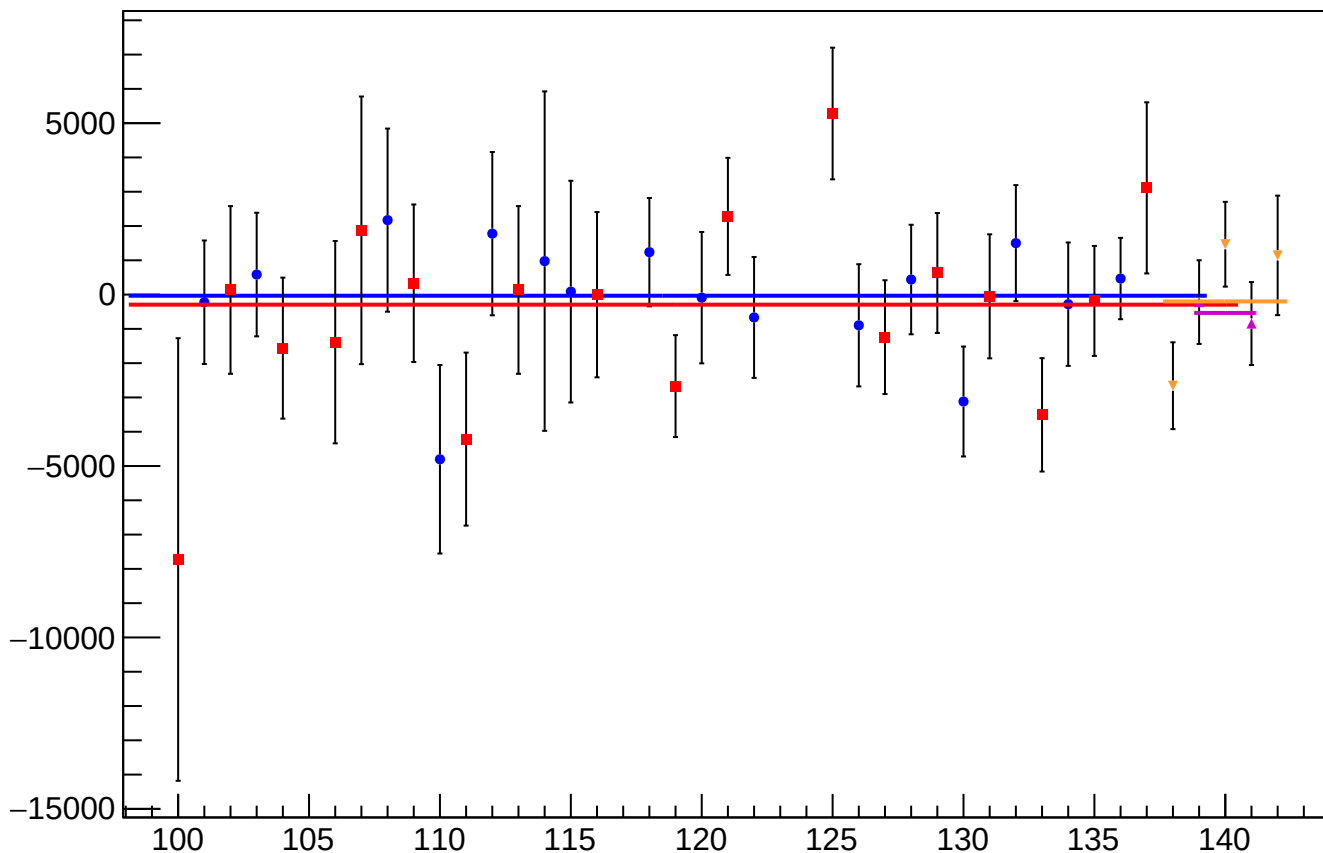
Left In: 466.107+/-0.255 χ^2/NDF : 108589.6/1

+ sign 522.755+/-0.128 χ^2/NDF : 1774227.6/18

All: 528.218+/-0.093 χ^2/NDF : 4259858.6/38

- sign 534.346+/-0.136 χ^2/NDF : 2481772.9/19

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061 ± 463.216 χ^2/NDF : 10.3/15

Left Out: -199.423 ± 788.856 χ^2/NDF : 6.2/2

Right Out: -293.384 ± 483.838 χ^2/NDF : 24.2/17

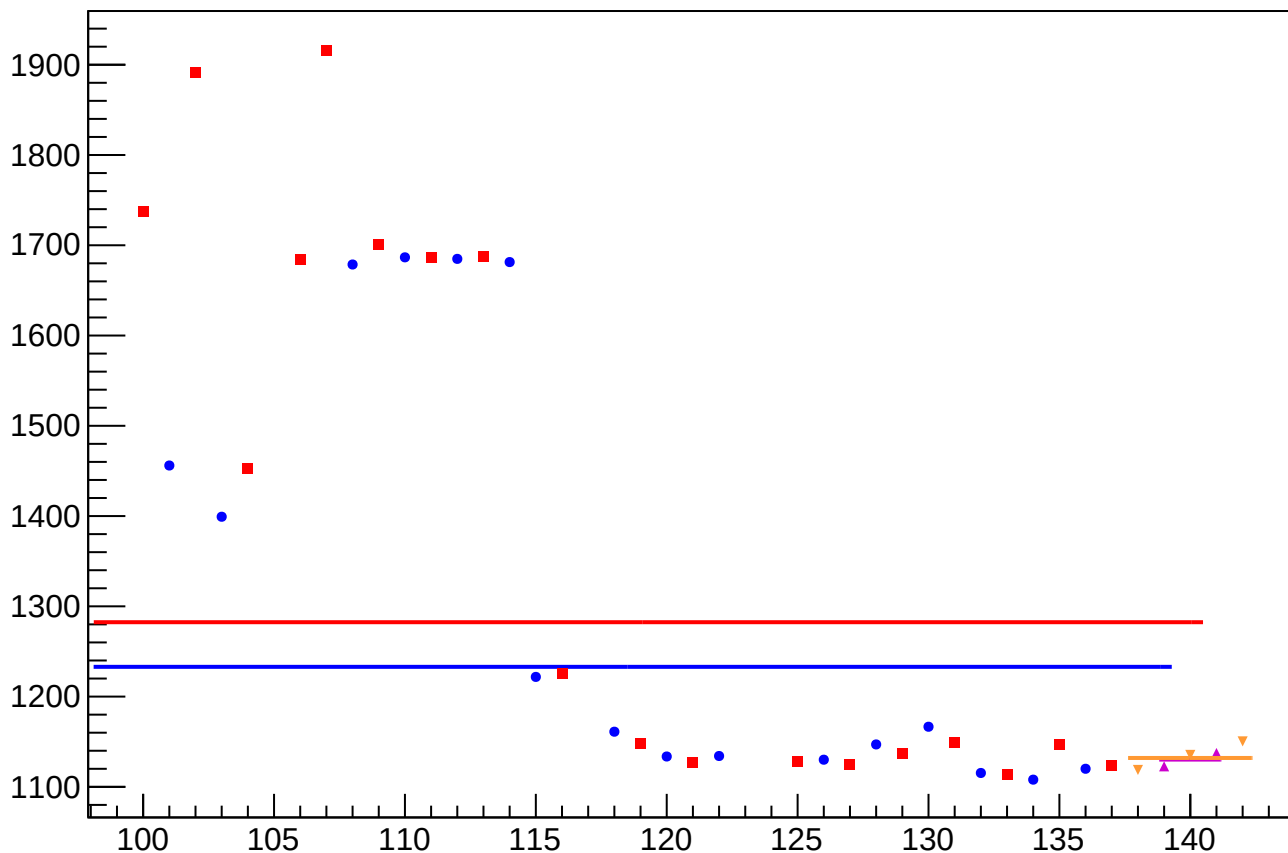
Left In: -534.508 ± 858.886 χ^2/NDF : 0.1/1

+ sign -75.716 ± 399.442 χ^2/NDF : 16.5/18

All: -206.172 ± 289.949 χ^2/NDF : 41.1/38

- sign -351.470 ± 421.551 χ^2/NDF : 24.4/19

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF : 315470.2/15

Left Out: 1132.004+/-0.558 χ^2/NDF : 456.6/2

Right Out: 1282.407+/-0.342 χ^2/NDF : 543403.2/17

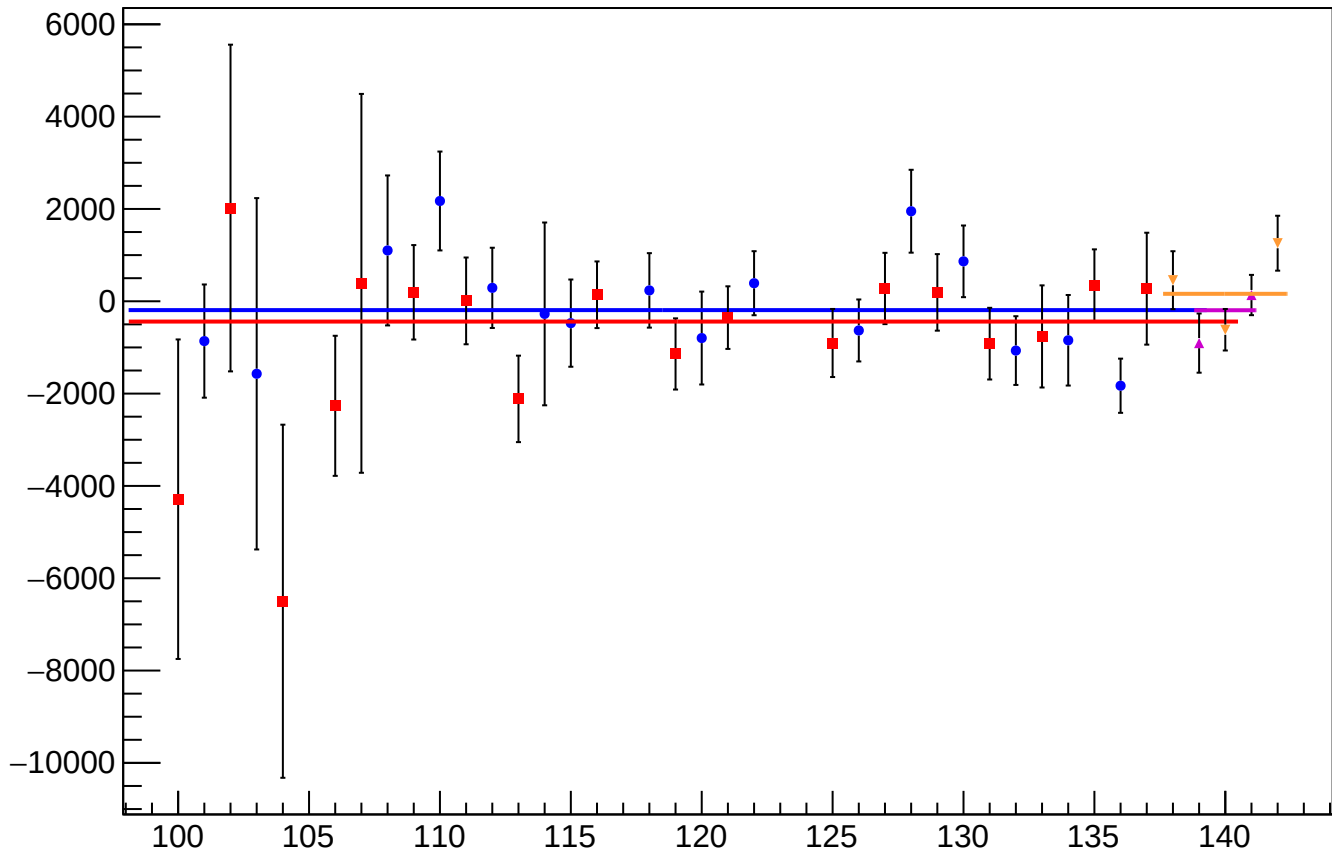
Left In: 1130.209+/-0.607 χ^2/NDF : 148.4/1

+ sign 1207.079+/-0.282 χ^2/NDF : 340287.2/18

All: 1225.370+/-0.205 χ^2/NDF : 940377.6/38

- sign 1245.743+/-0.298 χ^2/NDF : 591225.4/19

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: 161.404 $\pm$ 311.453 χ^2 /NDF: 6.6/2

Right Out: -439.611 $\pm$ 226.600 χ^2 /NDF: 14.6/17

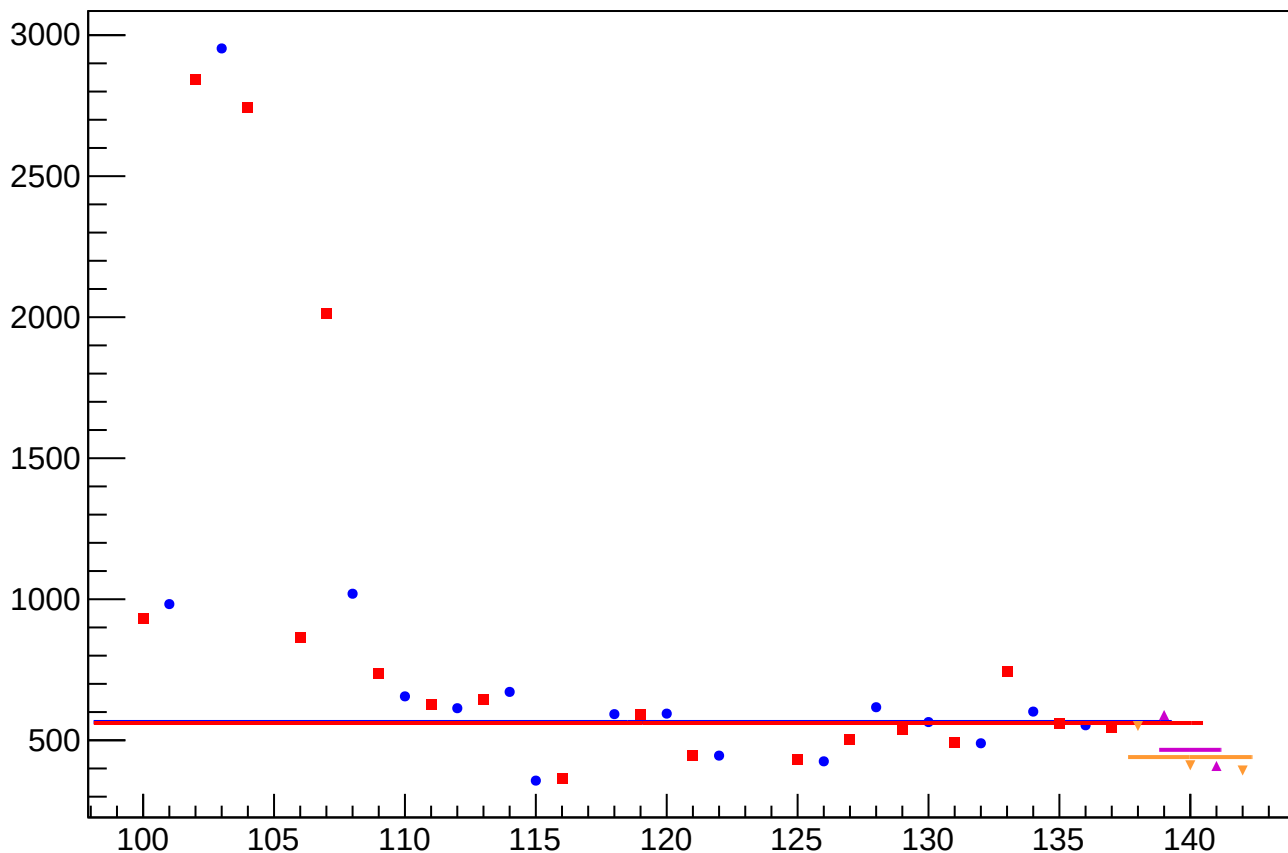
Left In: -194.192 $\pm$ 360.727 χ^2 /NDF: 1.8/1

+ sign -72.083 $\pm$ 181.188 χ^2 /NDF: 32.7/18

All: -212.589 $\pm$ 131.738 χ^2 /NDF: 50.8/38

- sign -370.169 $\pm$ 191.882 χ^2 /NDF: 16.8/19

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF : 1480372.9/15

Left Out: 440.425+/-0.220 χ^2/NDF : 82621.5/2

Right Out: 561.273+/-0.160 χ^2/NDF : 2273372.4/17

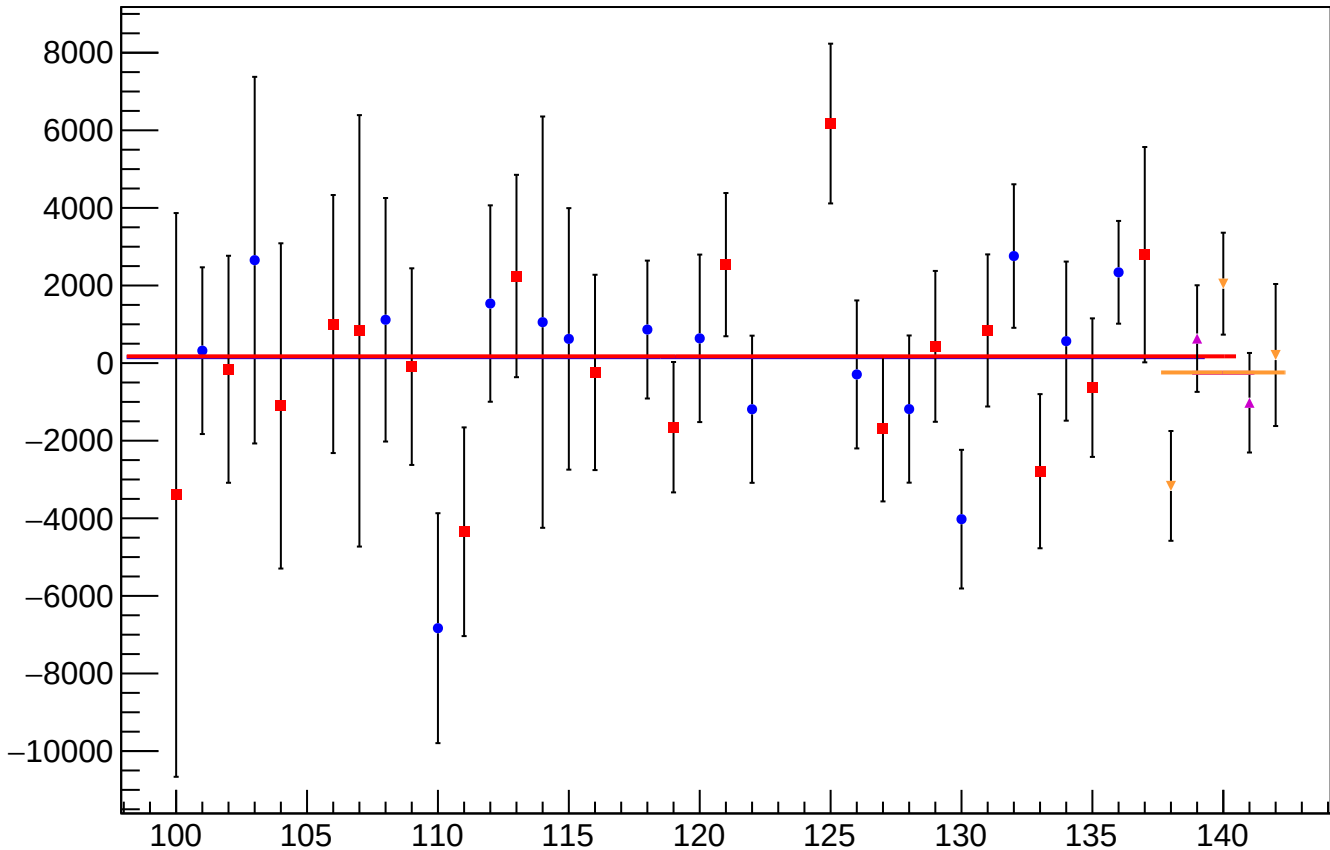
Left In: 466.107+/-0.255 χ^2/NDF : 108593.0/1

+ sign 522.754+/-0.128 χ^2/NDF : 1774233.8/18

All: 528.218+/-0.093 χ^2/NDF : 4259870.0/38

- sign 534.346+/-0.136 χ^2/NDF : 2481777.7/19

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375 $\pm$ 532.096 χ^2 /NDF: 17.8/15

Left Out: -241.357 $\pm$ 852.066 χ^2 /NDF:7.4/2

Right Out: 174.319 $\pm$ 550.153 χ^2 /NDF: 19.7/17

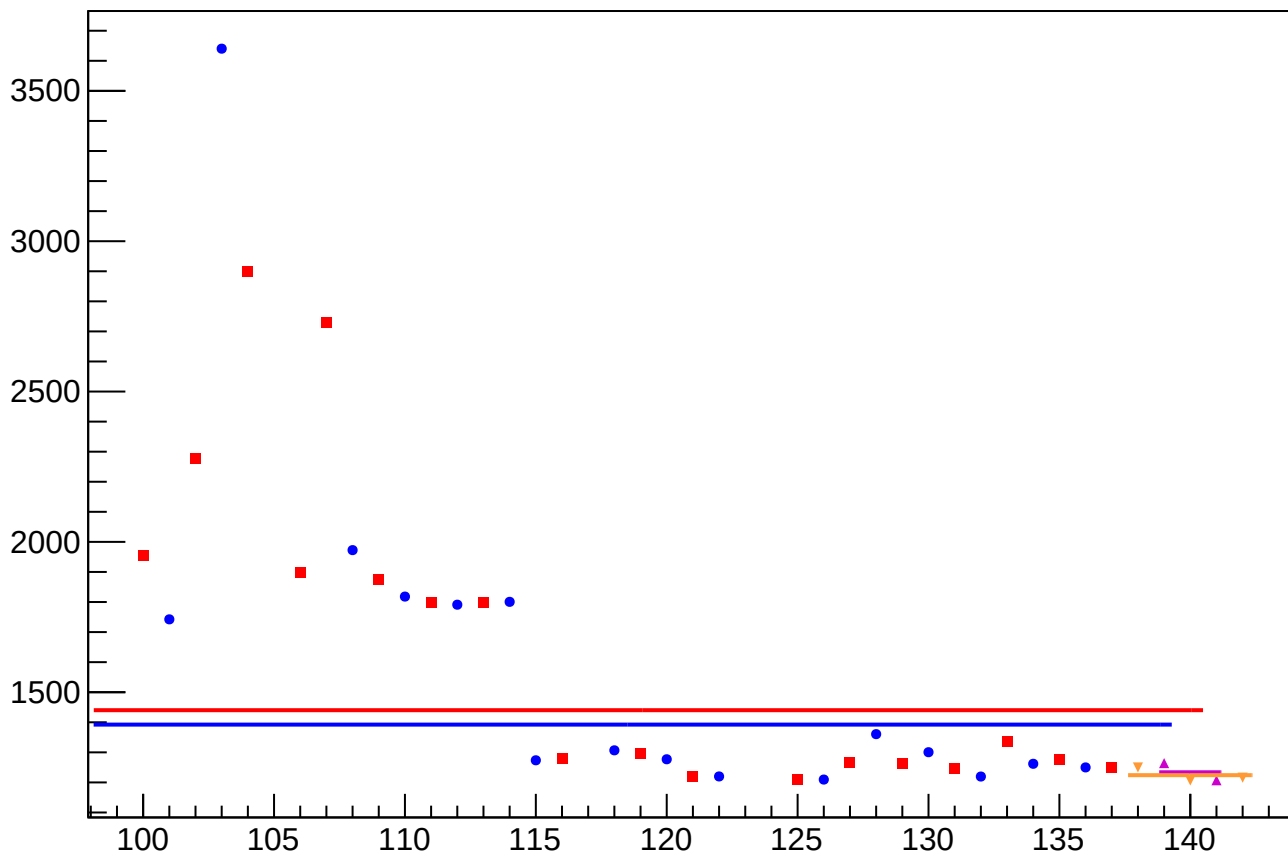
Left In: -251.176 $\pm$ 937.829 χ^2 /NDF:0.8/1

+ sign 42.628 $\pm$ 451.323 χ^2 /NDF: 25.3/18

All: 53.435 $\pm$ 327.030 χ^2 /NDF: 45.9/38

- sign 65.382 $\pm$ 474.529 χ^2 /NDF: 20.6/19

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF : 779240.9/15

Left Out: 1224.114+/-0.603 χ^2/NDF : 1063.8/2

Right Out: 1440.222+/-0.389 χ^2/NDF : 854885.8/17

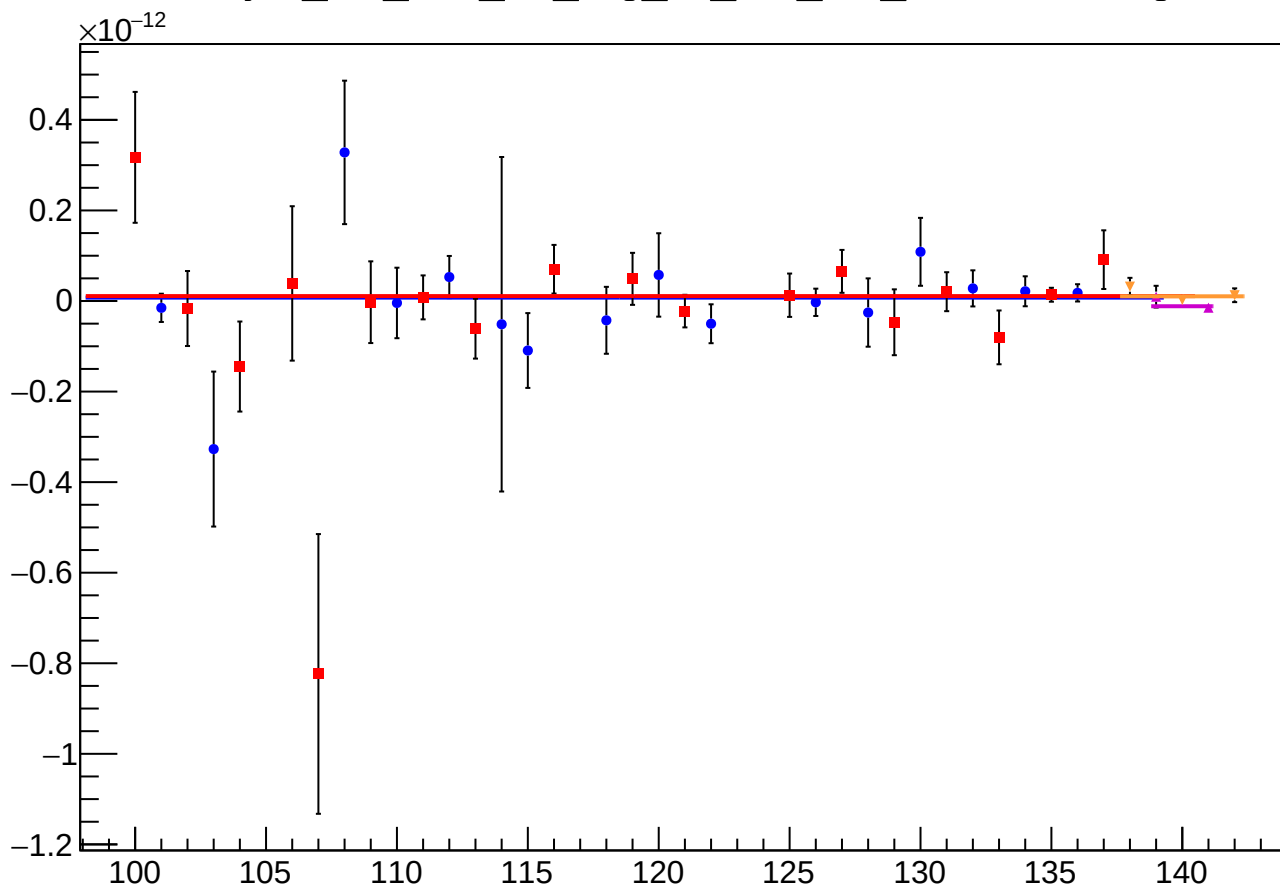
Left In: 1233.752+/-0.663 χ^2/NDF : 1840.1/1

+ sign 1345.113+/-0.319 χ^2/NDF : 836364.1/18

All: 1365.179+/-0.231 χ^2/NDF : 1773534.1/38

- sign 1387.361+/-0.336 χ^2/NDF : 928846.2/19

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: 1.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/17

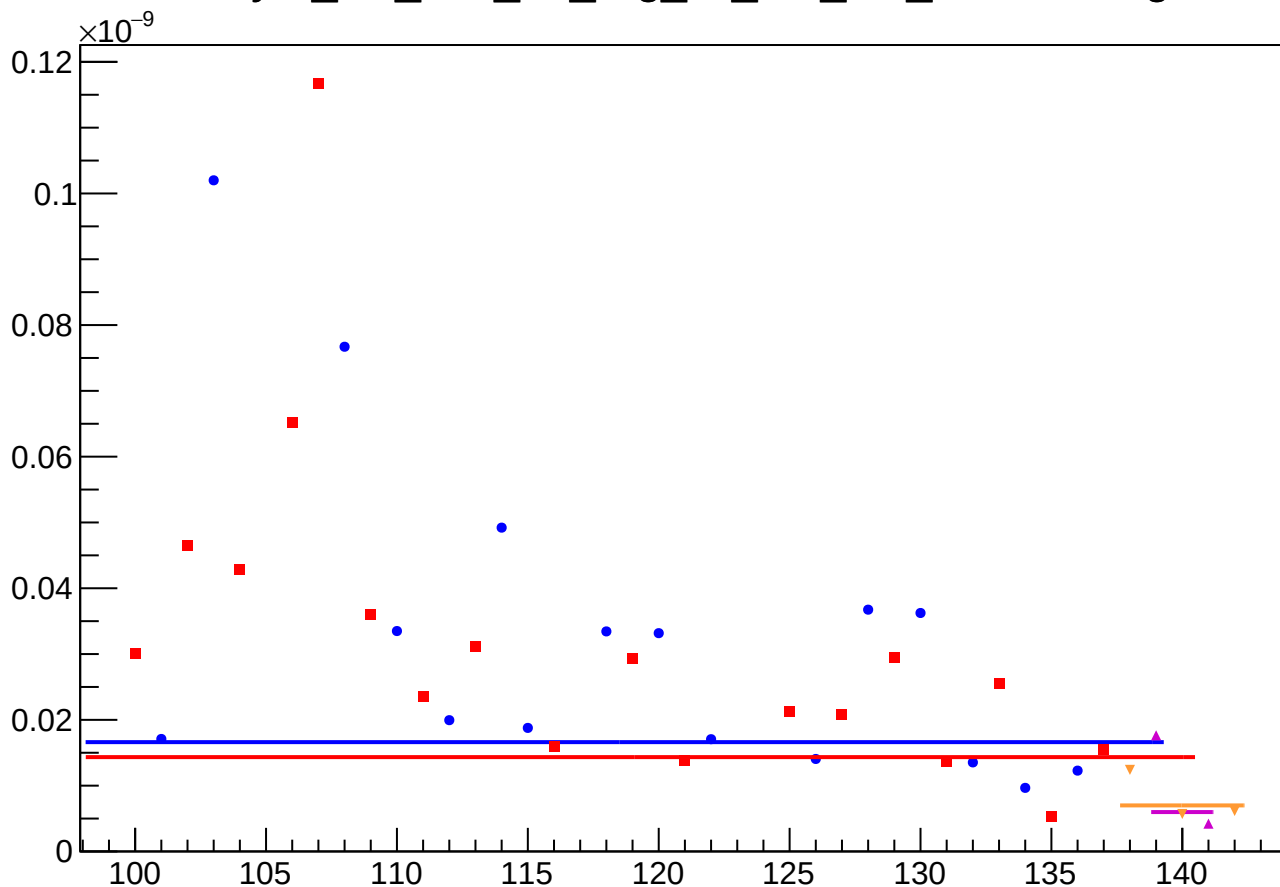
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.9/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.6/19

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1573068.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:188322.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2258014.9/17

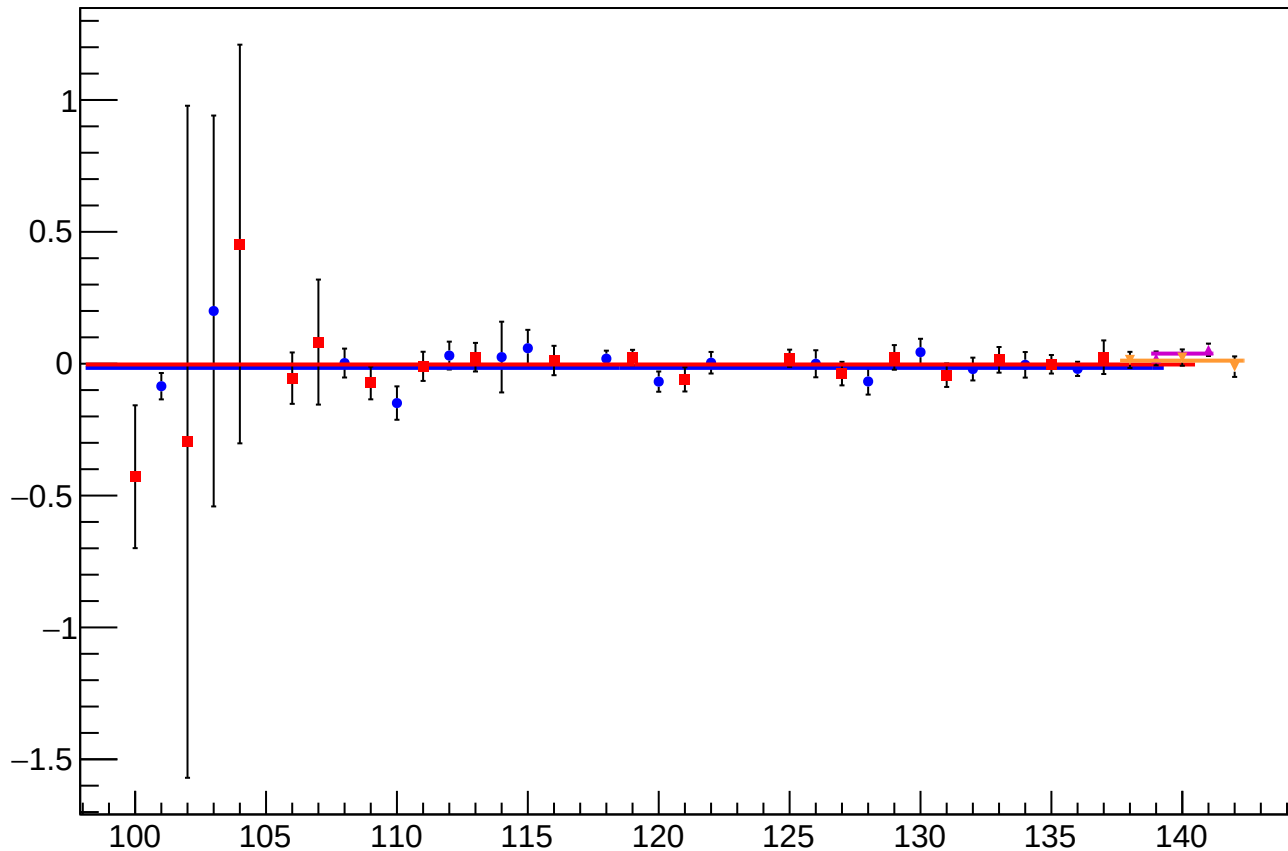
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:542968.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2764858.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6335319.3/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3542687.3/19

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: 0.012 ± 0.019 χ^2/NDF : 0.5/2

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

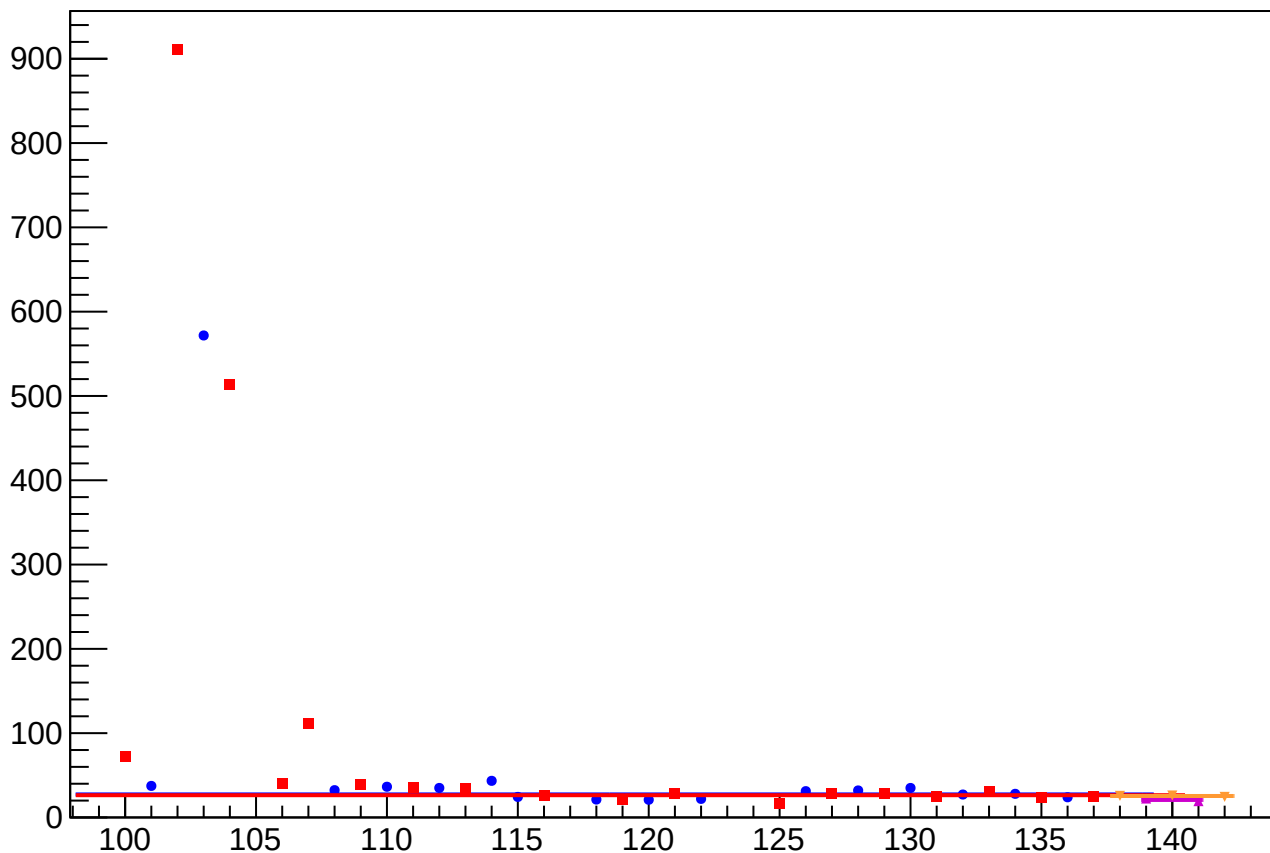
Left In: 0.038 ± 0.018 χ^2/NDF : 0.9/1

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/18

All: 0.001 ± 0.007 χ^2/NDF : 32.9/38

- sign 0.010 ± 0.010 χ^2/NDF : 14.5/19

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: 25.465+/-0.013 χ^2/NDF : 2247.4/2

Right Out: 26.400+/-0.009 χ^2/NDF : 2614691.8/17

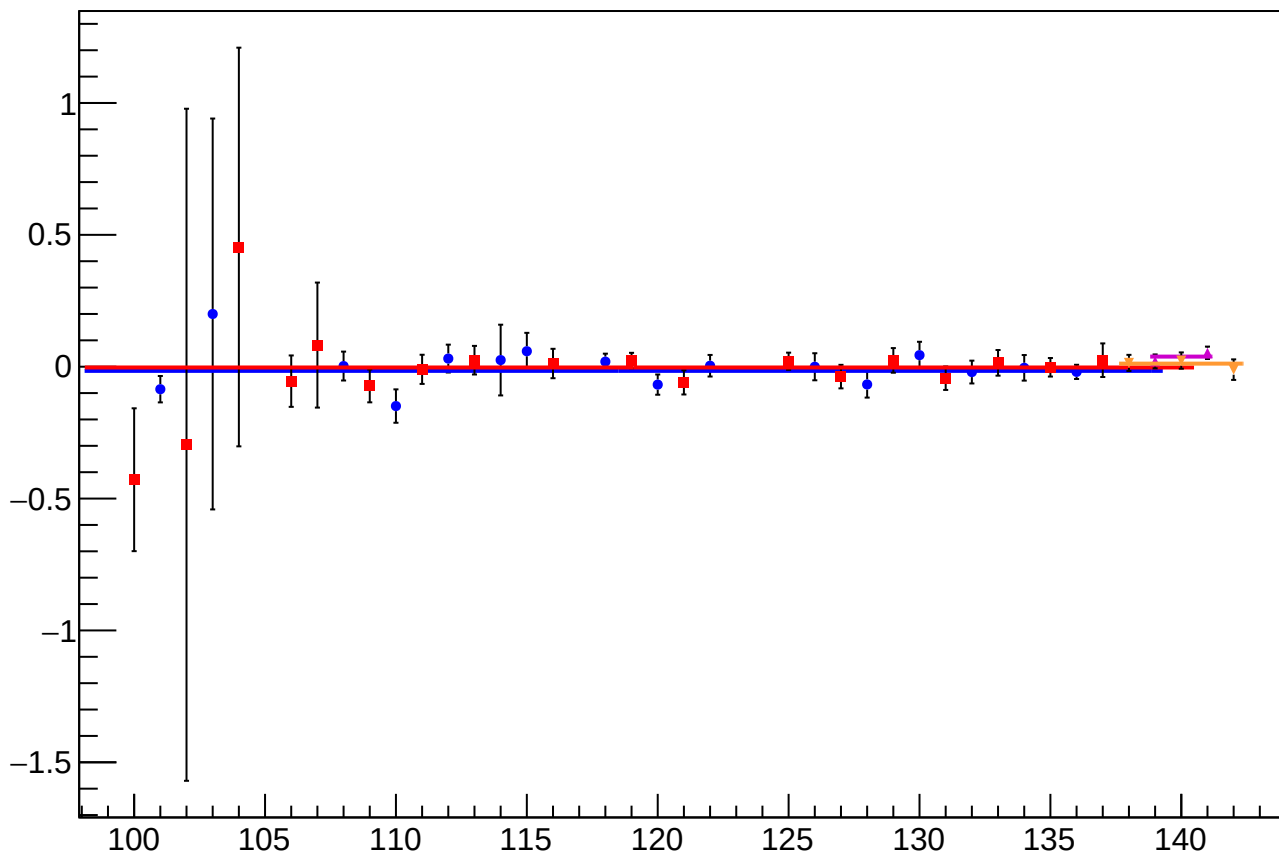
Left In: 20.759+/-0.012 χ^2/NDF : 15533.9/1

+ sign 26.808+/-0.007 χ^2/NDF : 1584273.2/18

All: 25.705+/-0.005 χ^2/NDF : 4405665.8/38

- sign 24.593+/-0.007 χ^2/NDF : 2771279.5/19

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 14.6/15

Left Out: 0.012 ± 0.019 χ^2/NDF : 0.5/2

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

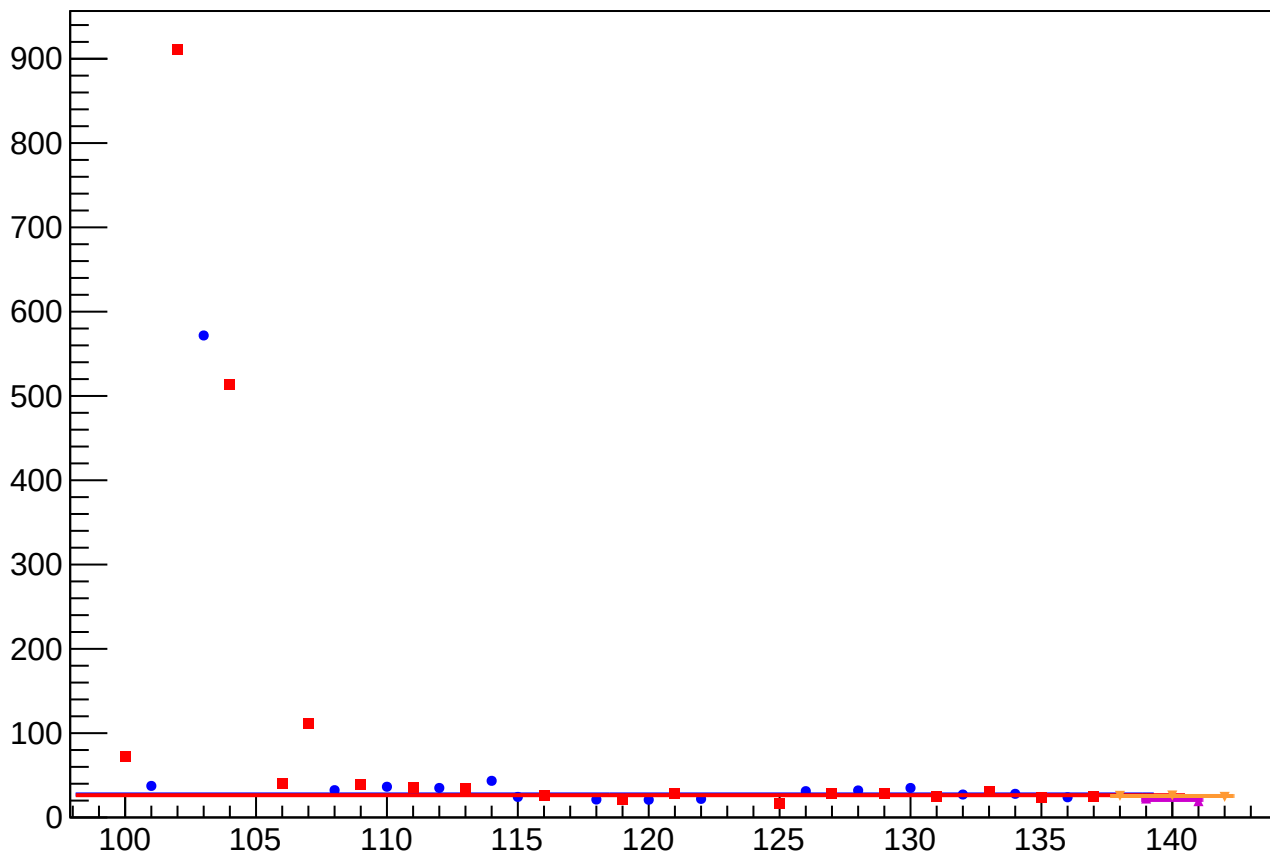
Left In: 0.038 ± 0.018 χ^2/NDF : 0.9/1

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/18

All: 0.001 ± 0.007 χ^2/NDF : 32.9/38

- sign 0.010 ± 0.010 χ^2/NDF : 14.5/19

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: 25.465+/-0.013 χ^2/NDF : 2247.4/2

Right Out: 26.400+/-0.009 χ^2/NDF : 2614691.8/17

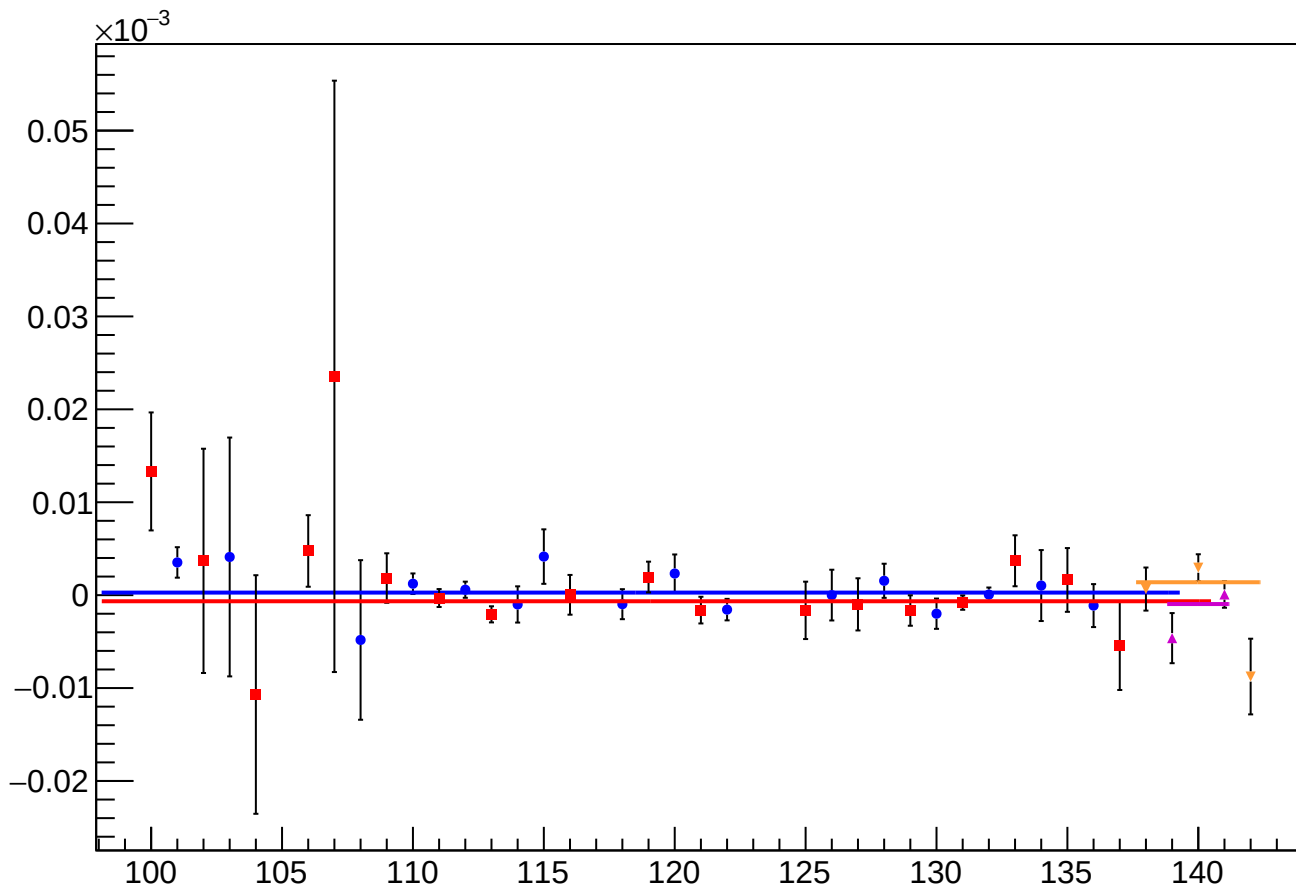
Left In: 20.759+/-0.012 χ^2/NDF : 15533.9/1

+ sign 26.808+/-0.007 χ^2/NDF : 1584273.2/18

All: 25.705+/-0.005 χ^2/NDF : 4405665.8/38

- sign 24.593+/-0.007 χ^2/NDF : 2771279.5/19

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 : 7.5/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.3/17

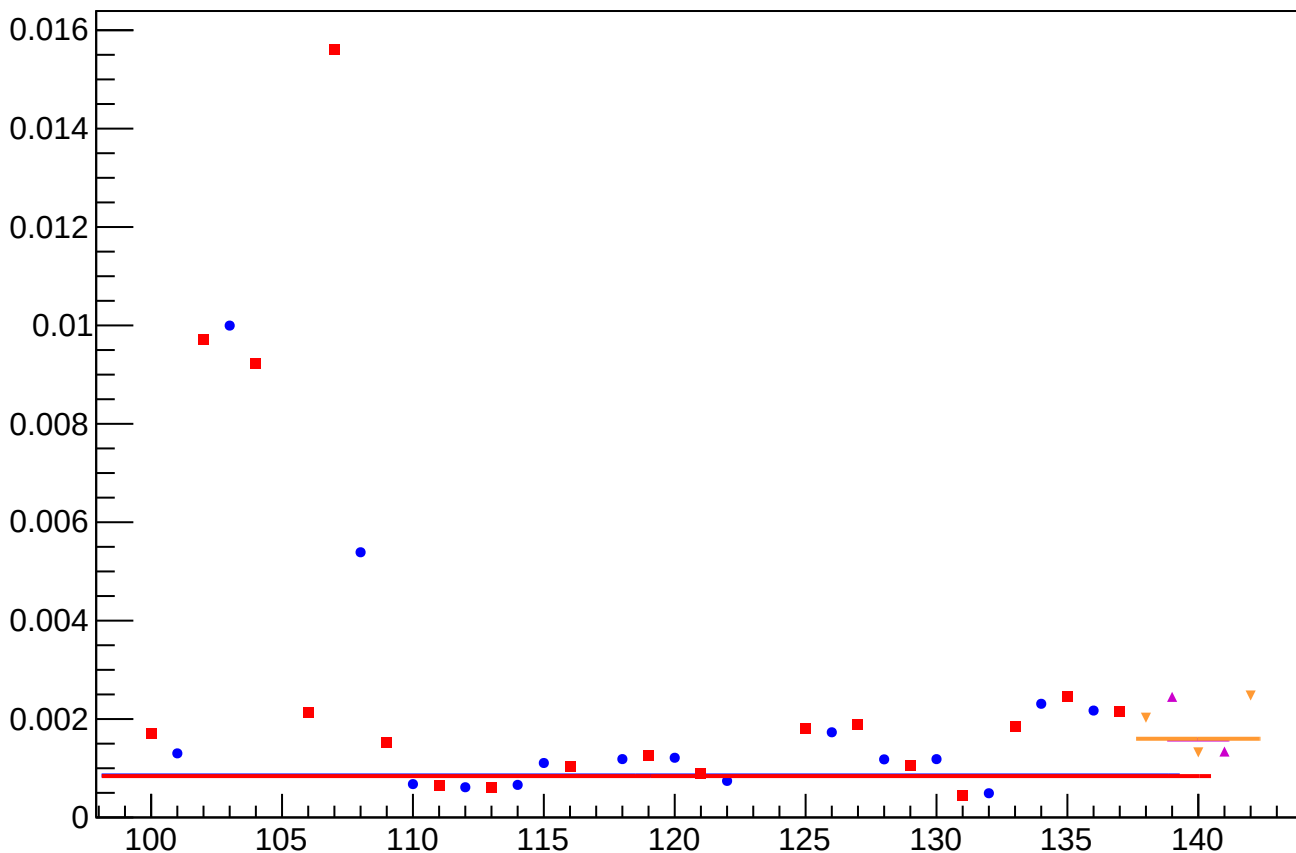
Left In: -0.000 ± 0.000 χ^2/NDF : 2.4/1

+ sign 0.000 ± 0.000 χ^2/NDF : 22.7/18

All: -0.000 ± 0.000 χ^2/NDF : 48.6/38

- sign -0.000 ± 0.000 χ^2/NDF : 21.7/19

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF : 234693.4/2

Right Out: 0.001+/-0.000 χ^2/NDF : 5039455.2/17

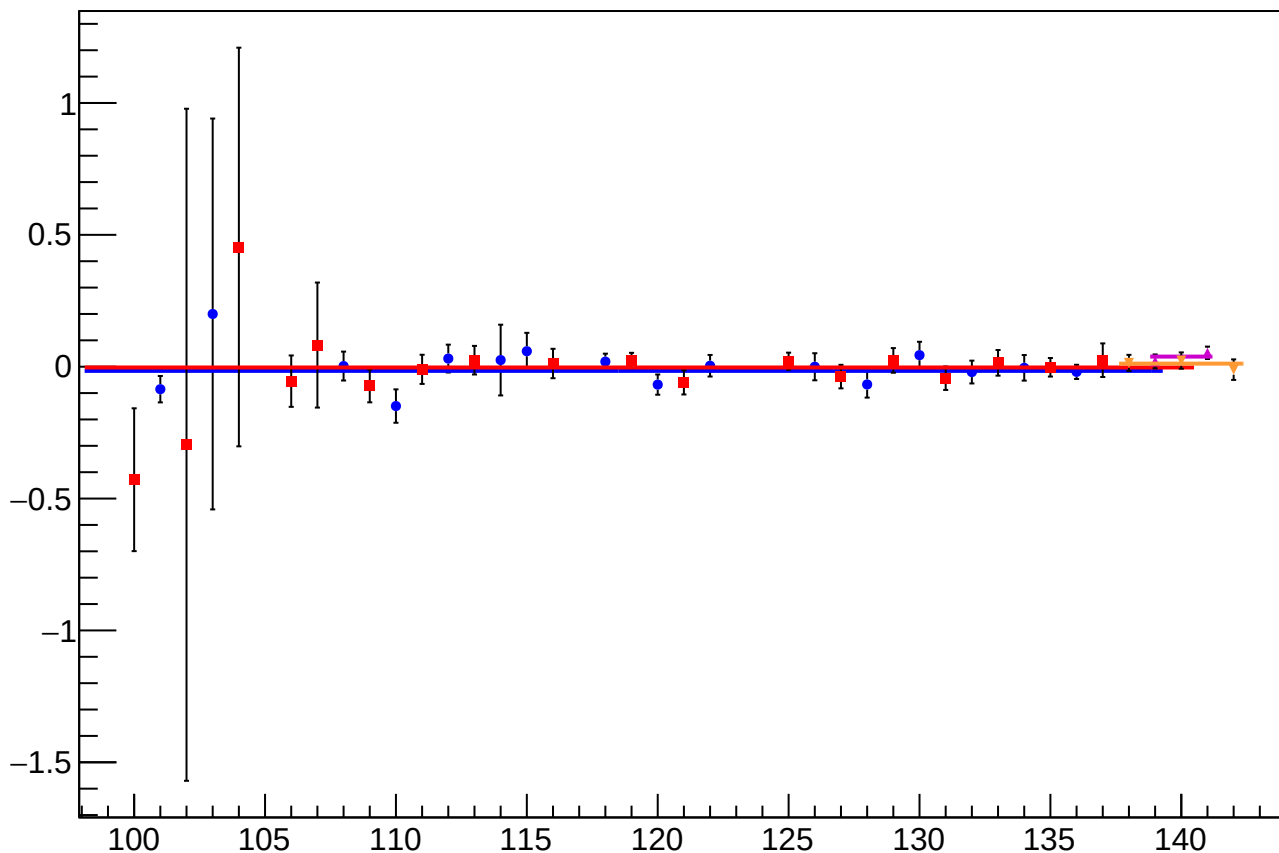
Left In: 0.002+/-0.000 χ^2/NDF : 265008.5/1

+ sign 0.001+/-0.000 χ^2/NDF : 4830297.5/18

All: 0.001+/-0.000 χ^2/NDF : 10765474.2/38

- sign 0.001+/-0.000 χ^2/NDF : 5933589.1/19

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: 0.012 ± 0.019 χ^2/NDF : 0.5/2

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

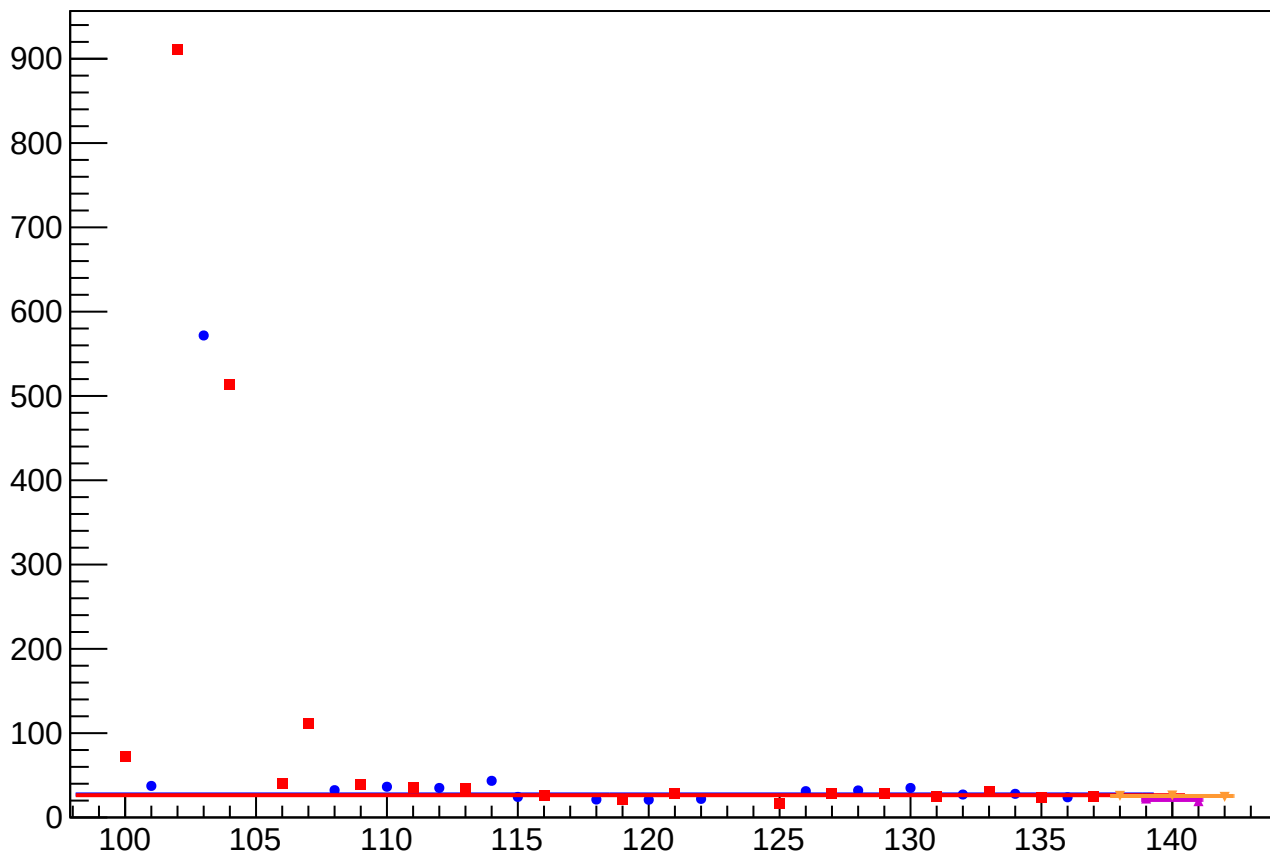
Left In: 0.038 ± 0.018 χ^2/NDF : 0.9/1

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/18

All: 0.001 ± 0.007 χ^2/NDF : 32.9/38

- sign 0.010 ± 0.010 χ^2/NDF : 14.5/19

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: 25.465+/-0.013 χ^2/NDF :2248.0/2

Right Out: 26.400+/-0.009 χ^2/NDF : 2614710.8/17

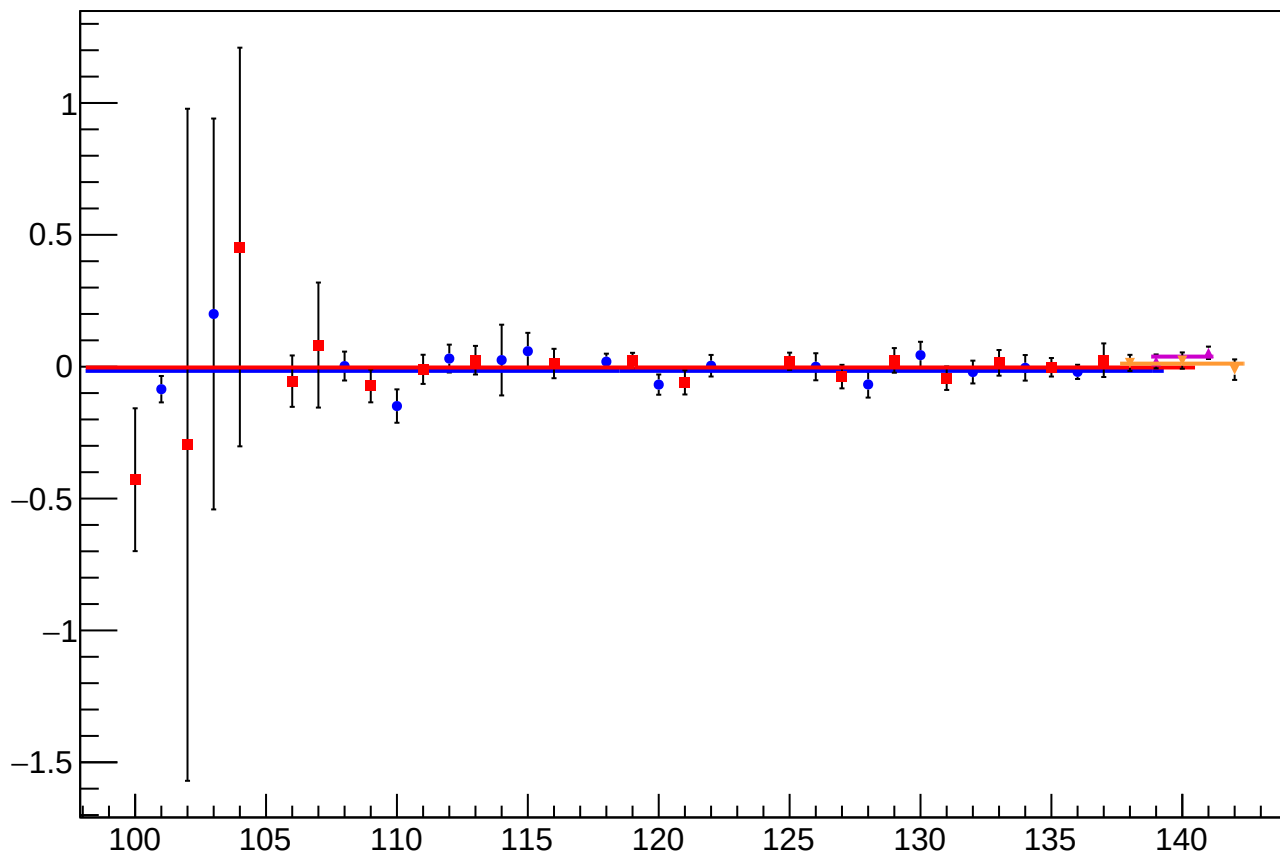
Left In: 20.758+/-0.012 χ^2/NDF :15547.1/1

+ sign 26.808+/-0.007 χ^2/NDF : 1584271.5/18

All: 25.705+/-0.005 χ^2/NDF : 4405709.3/38

- sign 24.593+/-0.007 χ^2/NDF : 2771322.2/19

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: 0.012 ± 0.019 χ^2/NDF : 0.5/2

Right Out: -0.003 ± 0.012 χ^2/NDF : 9.9/17

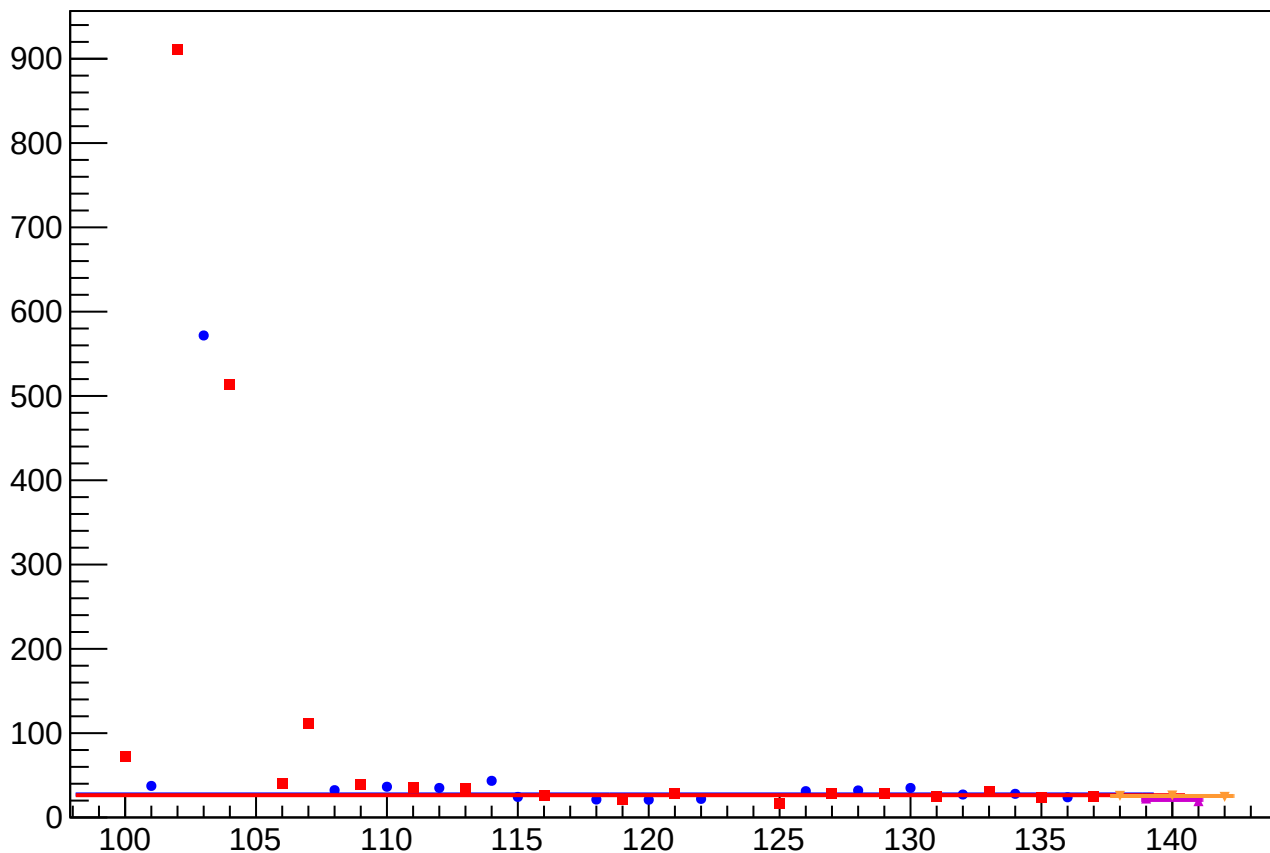
Left In: 0.038 ± 0.018 χ^2/NDF : 0.9/1

+ sign -0.008 ± 0.010 χ^2/NDF : 16.6/18

All: 0.001 ± 0.007 χ^2/NDF : 32.9/38

- sign 0.010 ± 0.010 χ^2/NDF : 14.5/19

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: 25.465 $\pm$ 0.013 χ^2 /NDF: 2248.0/2

Right Out: 26.400 $\pm$ 0.009 χ^2 /NDF: 2614710.8/17

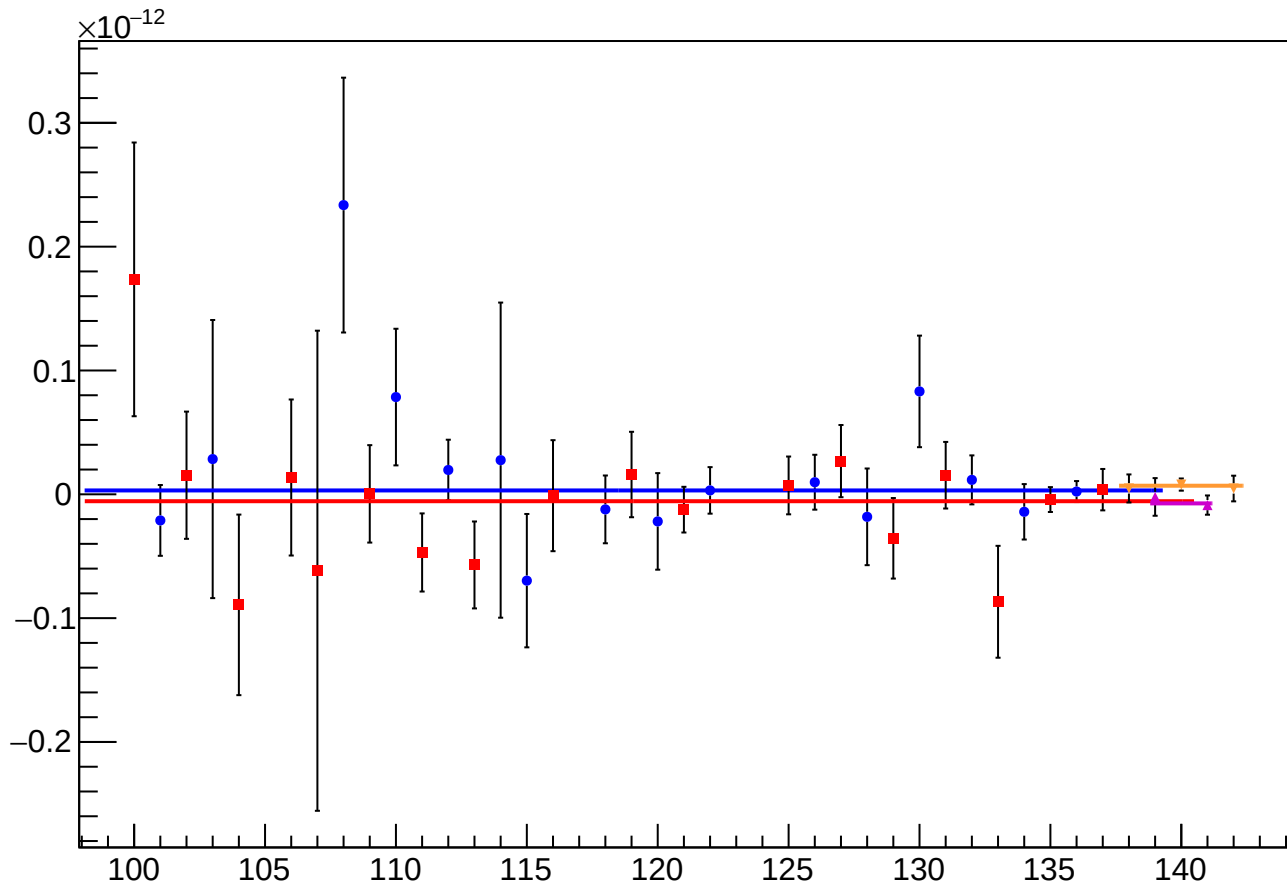
Left In: 20.758 $\pm$ 0.012 χ^2 /NDF: 15547.1/1

+ sign 26.808 $\pm$ 0.007 χ^2 /NDF: 1584271.5/18

All: 25.705 $\pm$ 0.005 χ^2 /NDF: 4405709.3/38

- sign 24.593 $\pm$ 0.007 χ^2 /NDF: 2771322.2/19

asym_usl_atl1_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 : 0.1/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.3/17

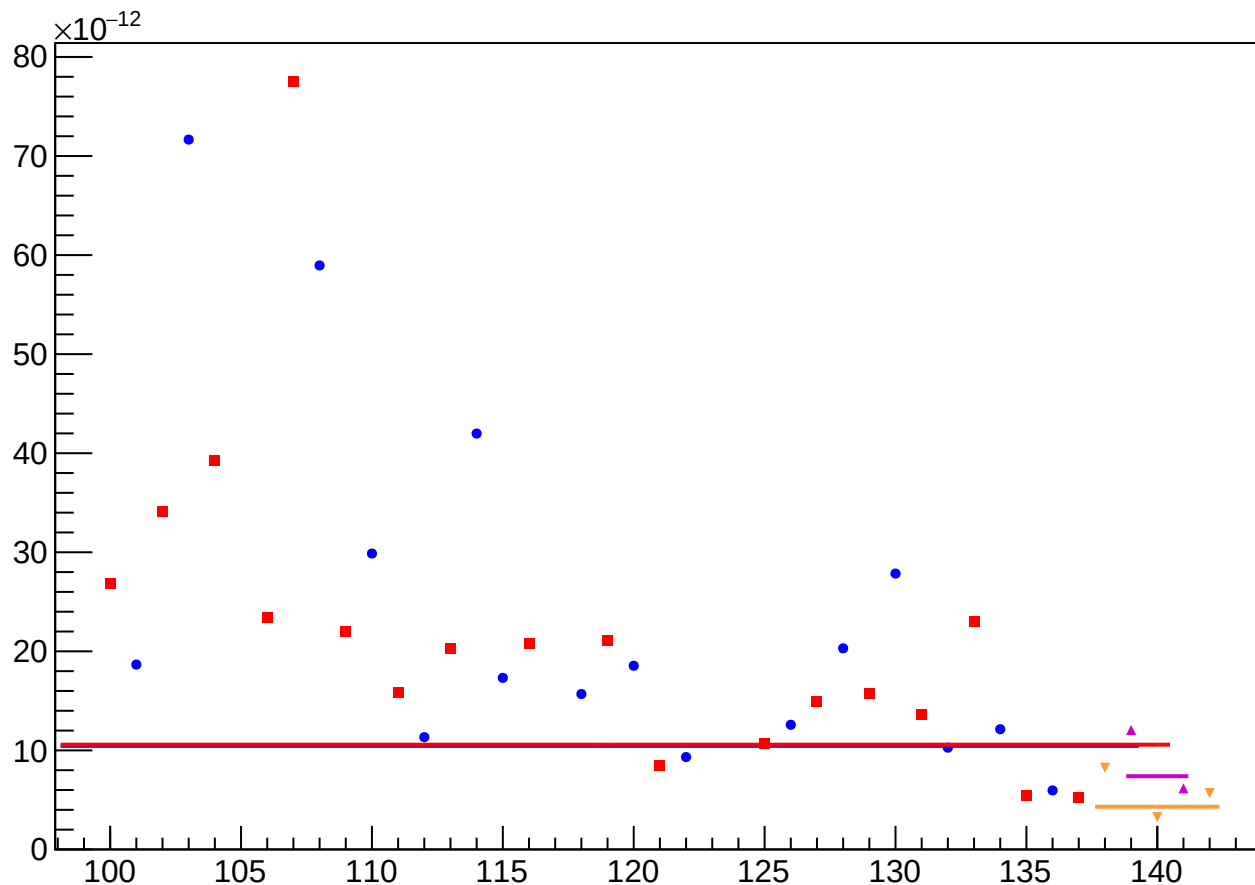
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 15.4/18

All: 0.000 ± 0.000 χ^2/NDF : 35.4/38

- sign -0.000 ± 0.000 χ^2/NDF : 15.5/19

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 : 367497.6/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2771384.1/17

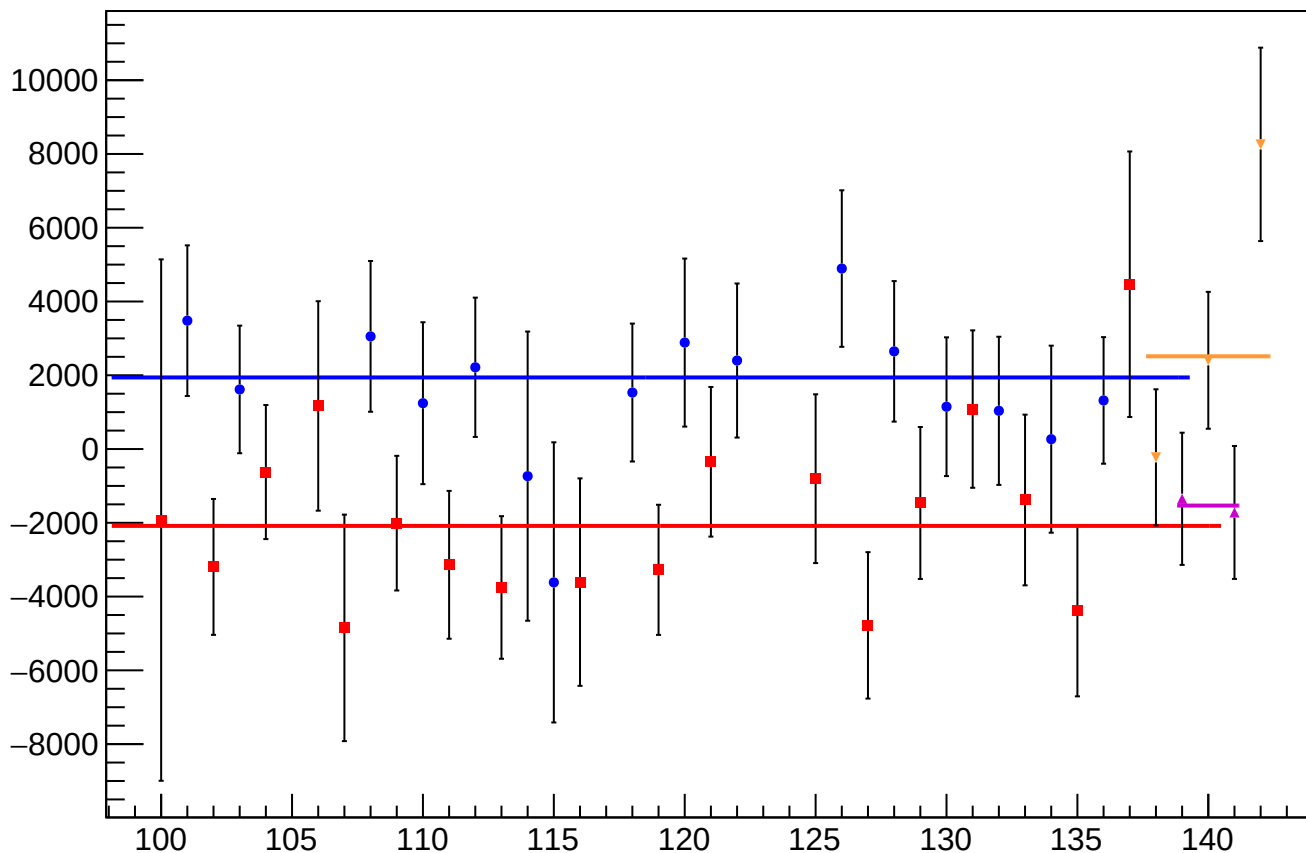
Left In: 0.000+/-0.000 χ^2/NDF : 237990.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 4671676.2/18

All: 0.000+/-0.000 χ^2/NDF : 8397134.8/38

- sign 0.000+/-0.000 χ^2/NDF : 3247603.3/19

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976 $\pm$ 522.174 χ^2 /NDF: 6.9/15

Left Out: 2514.189 $\pm$ 1170.878 χ^2 /NDF: 7.0/2

Right Out: -2083.952 $\pm$ 519.583 χ^2 /NDF: 14.5/17

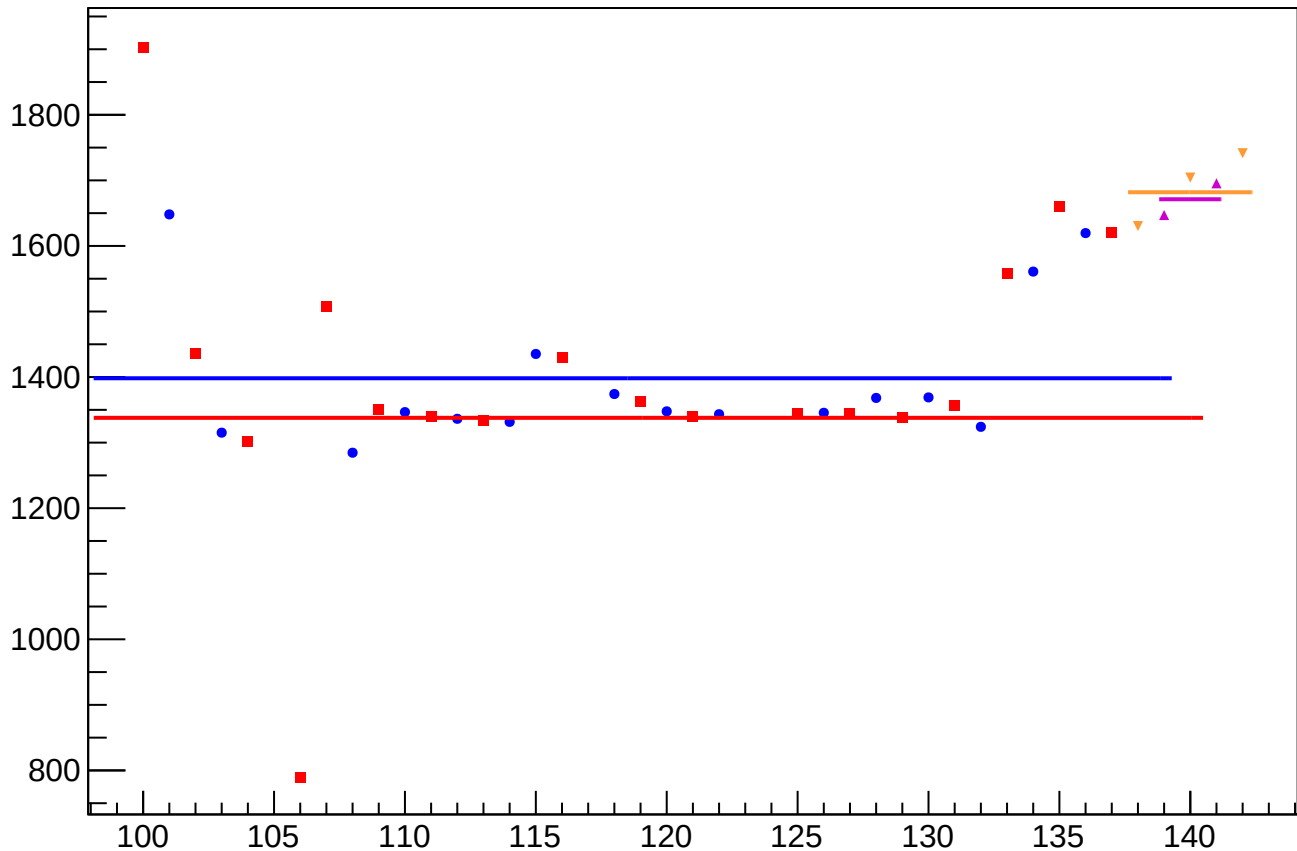
Left In: -1533.100 $\pm$ 1270.775 χ^2 /NDF: 0.0/1

+ sign 2036.068 $\pm$ 476.899 χ^2 /NDF: 14.1/18

All: 32.540 $\pm$ 338.637 χ^2 /NDF: 64.4/38

- sign -2005.053 $\pm$ 480.936 χ^2 /NDF: 14.7/19

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF : 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF : 2885.1/2

Right Out: 1337.819+/-0.356 χ^2/NDF : 317763.3/17

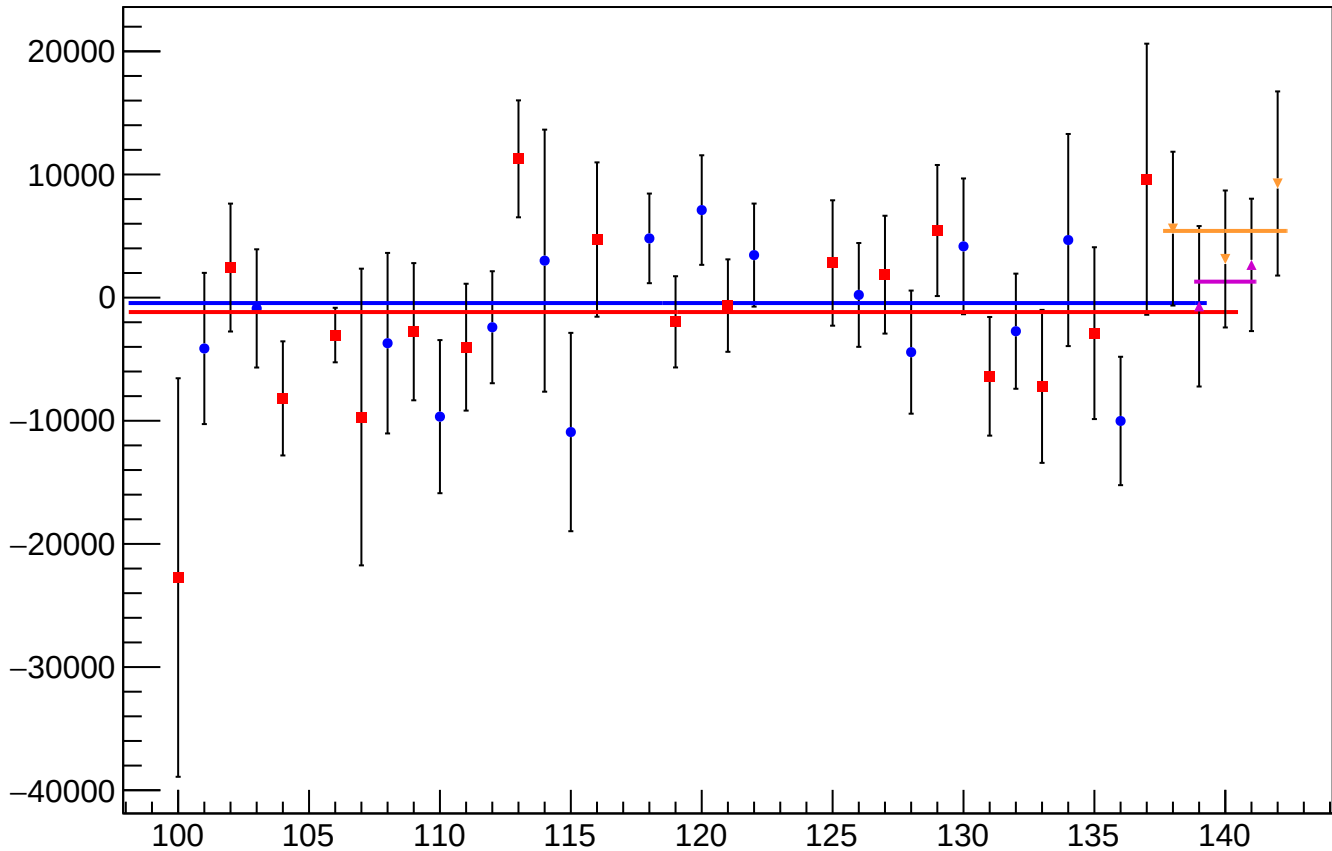
Left In: 1671.201+/-0.899 χ^2/NDF : 724.8/1

+ sign 1445.230+/-0.337 χ^2/NDF : 194768.0/18

All: 1413.540+/-0.236 χ^2/NDF : 649574.8/38

- sign 1383.027+/-0.331 χ^2/NDF : 437472.4/19

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -441.138 ± 1295.916 χ^2/NDF : 15.9/15

Left Out: 5416.397 ± 3630.615 χ^2/NDF : 0.4/2

Right Out: -1171.548 ± 1119.890 χ^2/NDF : 19.7/17

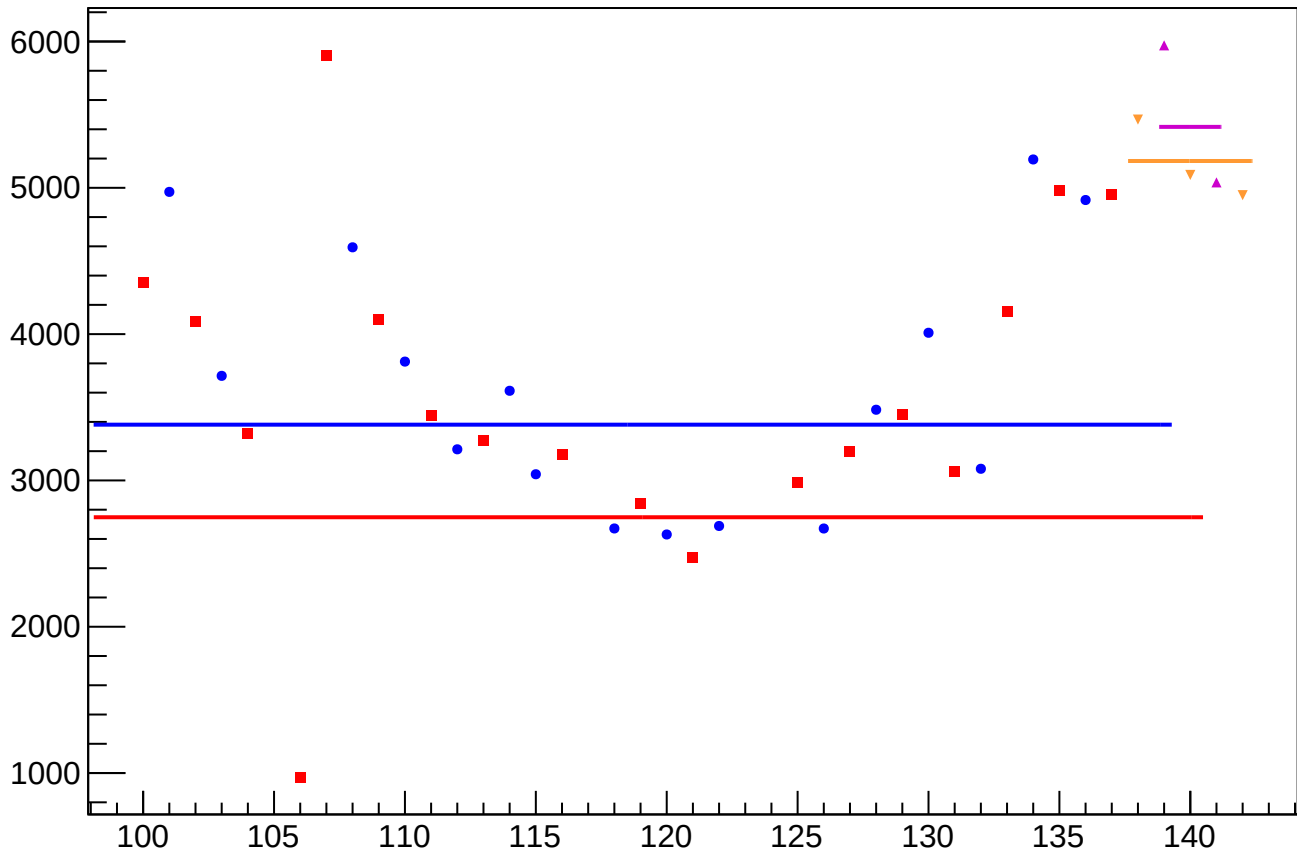
Left In: 1296.464 ± 4146.397 χ^2/NDF : 0.2/1

+ sign 220.816 ± 1220.497 χ^2/NDF : 18.6/18

All: -465.336 ± 809.291 χ^2/NDF : 39.4/38

- sign -1003.754 ± 1081.150 χ^2/NDF : 20.2/19

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117 $\pm$ 0.916 χ^2/NDF : 757146.6/15

Left Out: 5183.317 $\pm$ 2.567 χ^2/NDF : 6647.5/2

Right Out: 2748.372 $\pm$ 0.792 χ^2/NDF : 2264563.8/17

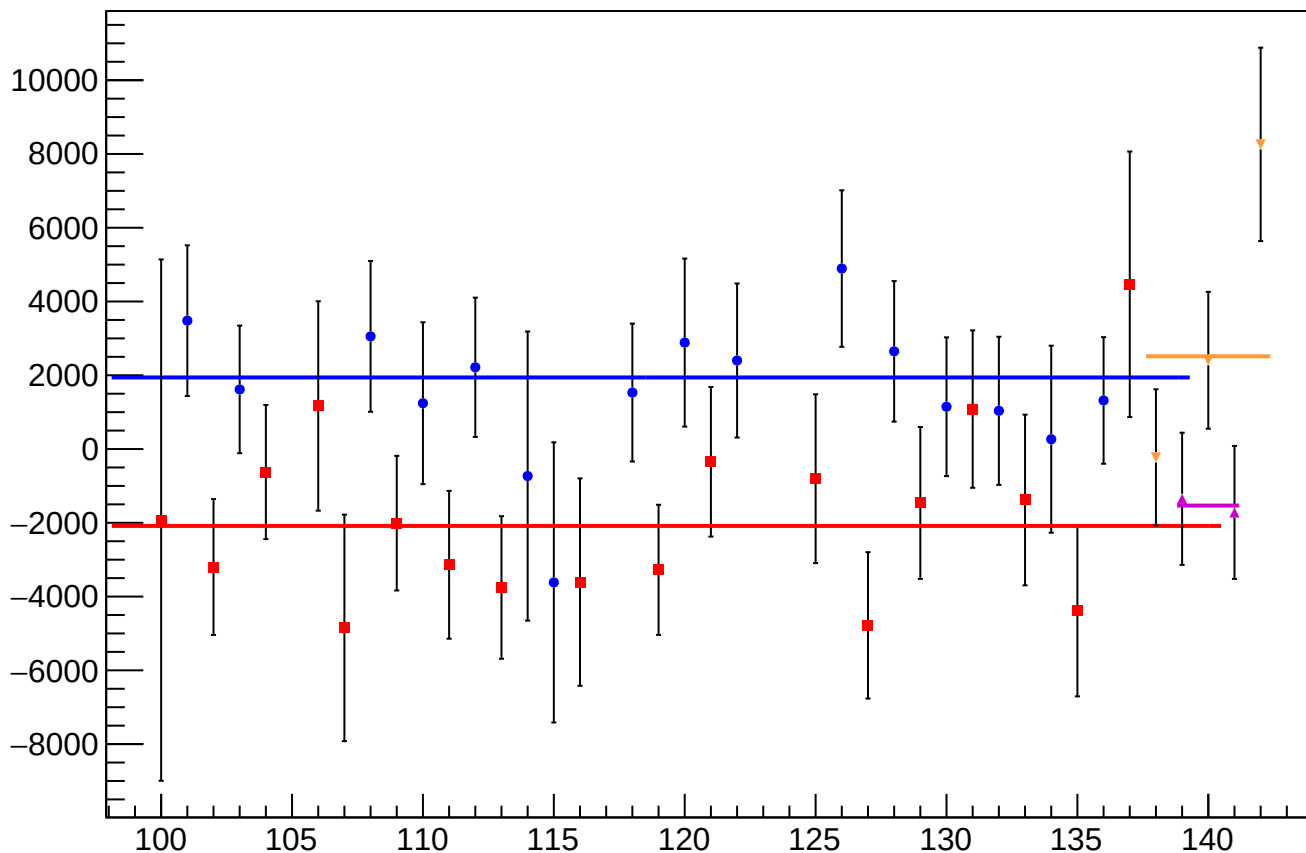
Left In: 5416.513 $\pm$ 2.932 χ^2/NDF : 24589.3/1

+ sign 3584.782 $\pm$ 0.863 χ^2/NDF : 1200908.5/18

All: 3217.767 $\pm$ 0.572 χ^2/NDF : 4584668.0/38

- sign 2929.773 $\pm$ 0.764 χ^2/NDF : 3060993.1/19

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031 $\pm$ 522.174 χ^2 /NDF: 6.9/15

Left Out: 2514.430 $\pm$ 1170.878 χ^2 /NDF: 7.0/2

Right Out: -2084.166 $\pm$ 519.587 χ^2 /NDF: 14.5/17

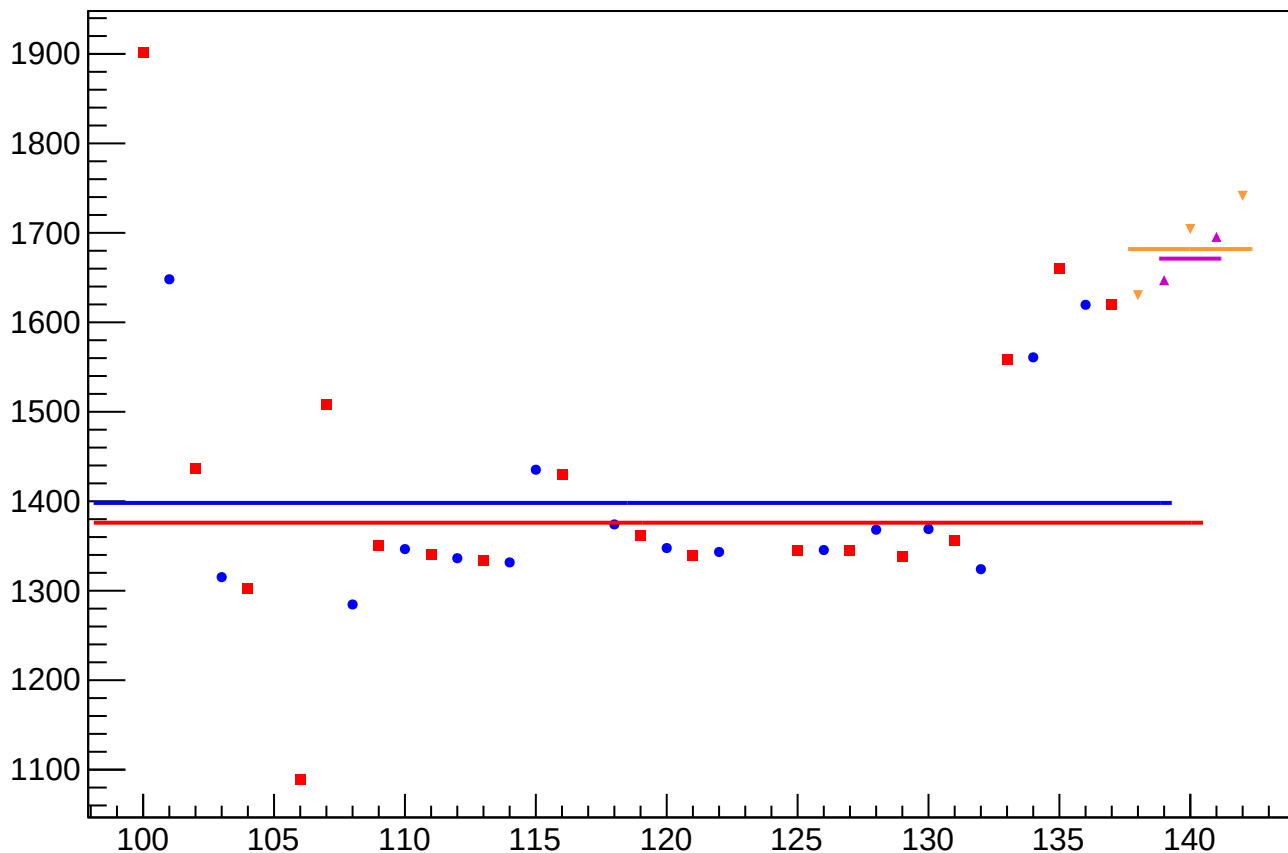
Left In: -1533.008 $\pm$ 1270.775 χ^2 /NDF: 0.0/1

+ sign 2036.154 $\pm$ 476.899 χ^2 /NDF: 14.1/18

All: 32.510 $\pm$ 338.638 χ^2 /NDF: 64.4/38

- sign -2005.222 $\pm$ 480.938 χ^2 /NDF: 14.7/19

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF : 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF : 2885.1/2

Right Out: 1376.021+/-0.363 χ^2/NDF : 114033.6/17

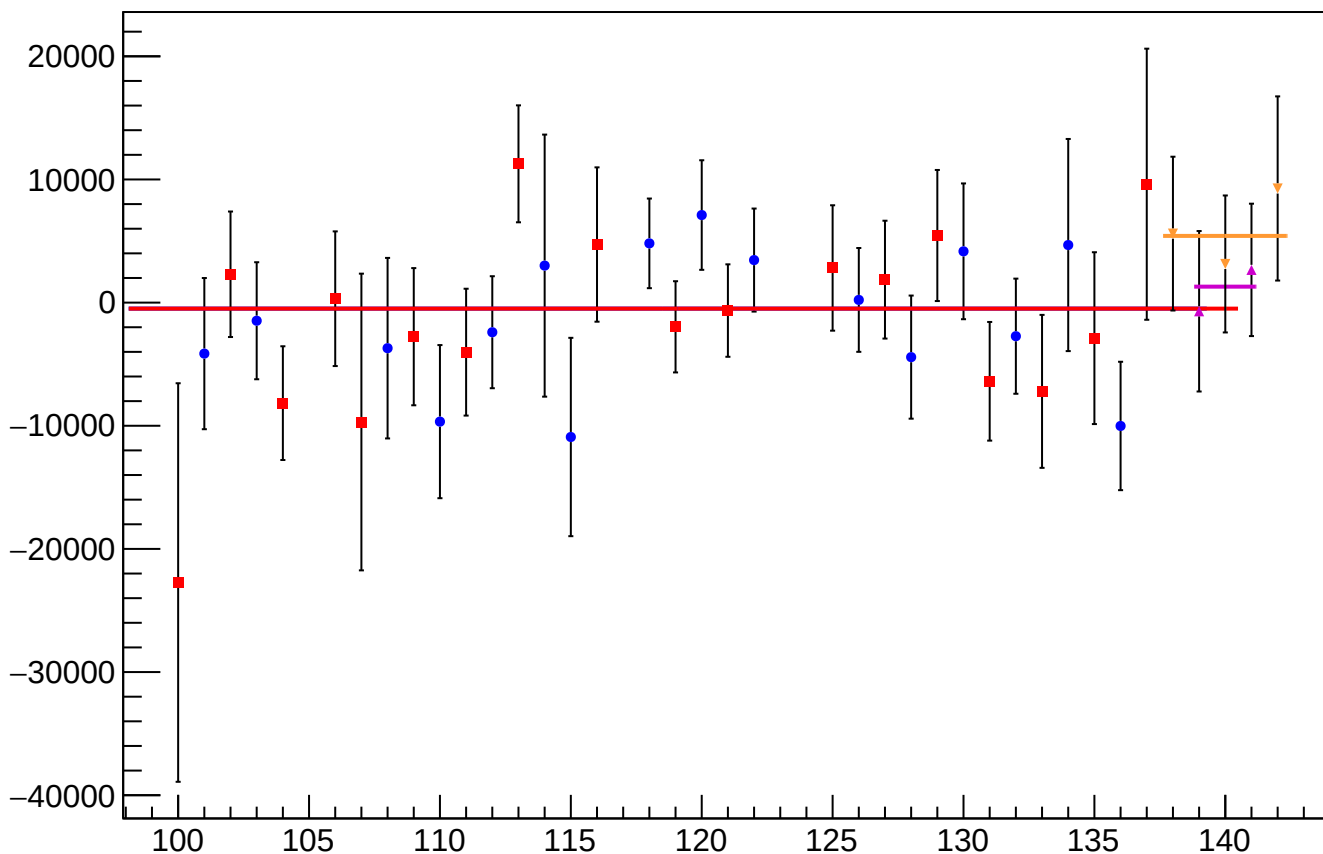
Left In: 1671.201+/-0.899 χ^2/NDF : 724.8/1

+ sign 1445.230+/-0.337 χ^2/NDF : 194768.1/18

All: 1431.243+/-0.238 χ^2/NDF : 405763.0/38

- sign 1417.340+/-0.336 χ^2/NDF : 207564.4/19

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -486.563 ± 1294.930 χ^2/NDF : 15.9/15

Left Out: 5416.667 ± 3630.620 χ^2/NDF : 0.4/2

Right Out: -488.594 ± 1261.315 χ^2/NDF : 18.7/17

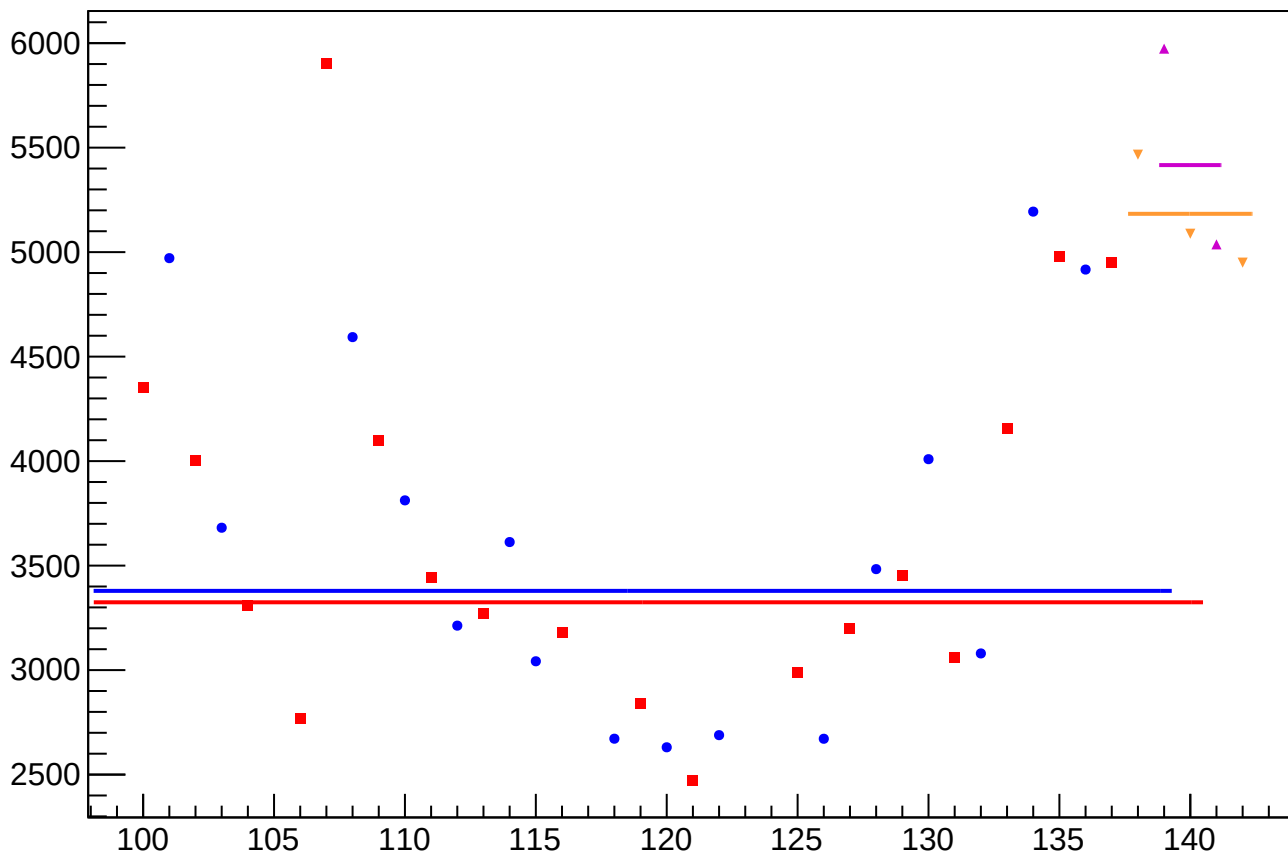
Left In: 1296.442 ± 4146.390 χ^2/NDF : 0.2/1

+ sign 179.653 ± 1219.673 χ^2/NDF : 18.7/18

All: -81.637 ± 857.822 χ^2/NDF : 37.9/38

- sign -337.406 ± 1206.718 χ^2/NDF : 19.0/19

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110 $\pm$ 0.916 χ^2/NDF : 755339.9/15

Left Out: 5183.325 $\pm$ 2.567 χ^2/NDF : 6647.1/2

Right Out: 3324.449 $\pm$ 0.892 χ^2/NDF : 543813.3/17

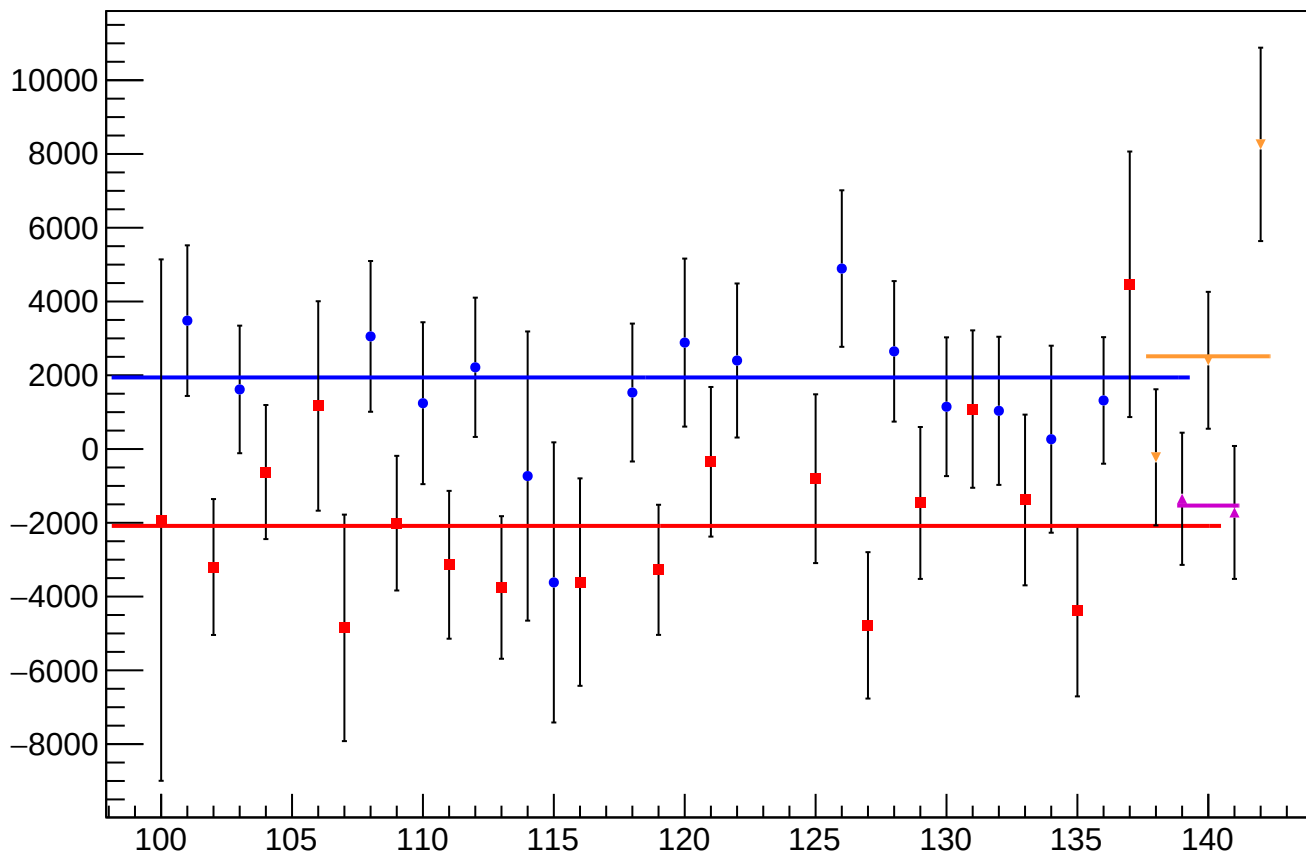
Left In: 5416.502 $\pm$ 2.932 χ^2/NDF : 24589.9/1

+ sign 3582.727 $\pm$ 0.862 χ^2/NDF : 1200153.2/18

All: 3541.751 $\pm$ 0.607 χ^2/NDF : 2239037.9/38

- sign 3501.641 $\pm$ 0.853 χ^2/NDF : 1034417.8/19

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF : 6.9/15

Left Out: 2514.430+/-1170.878 χ^2/NDF : 7.0/2

Right Out: -2084.166+/-519.587 χ^2/NDF : 14.5/17

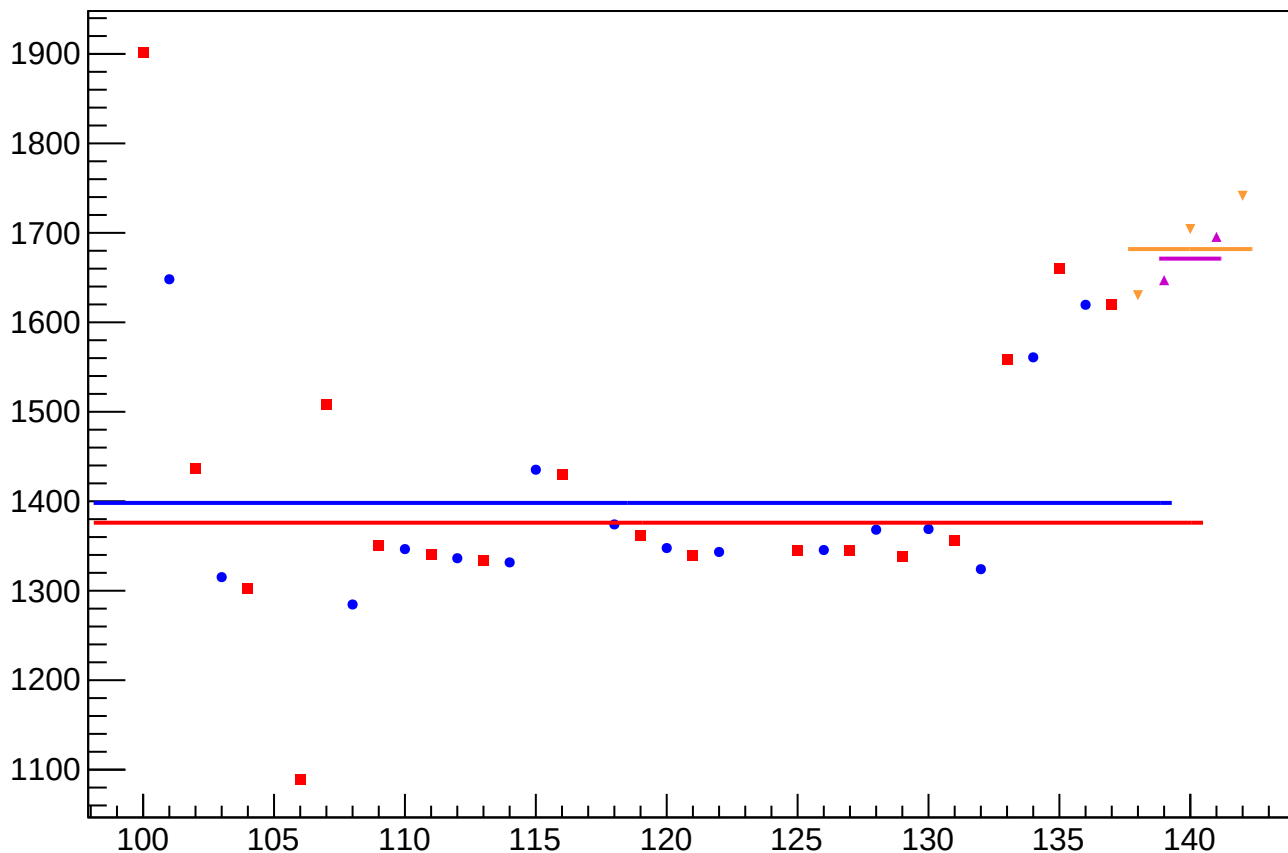
Left In: -1533.008+/-1270.775 χ^2/NDF : 0.0/1

+ sign 2036.154+/-476.899 χ^2/NDF : 14.1/18

All: 32.510+/-338.638 χ^2/NDF : 64.4/38

- sign -2005.222+/-480.938 χ^2/NDF : 14.7/19

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF : 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF : 2885.1/2

Right Out: 1376.021+/-0.363 χ^2/NDF : 114033.6/17

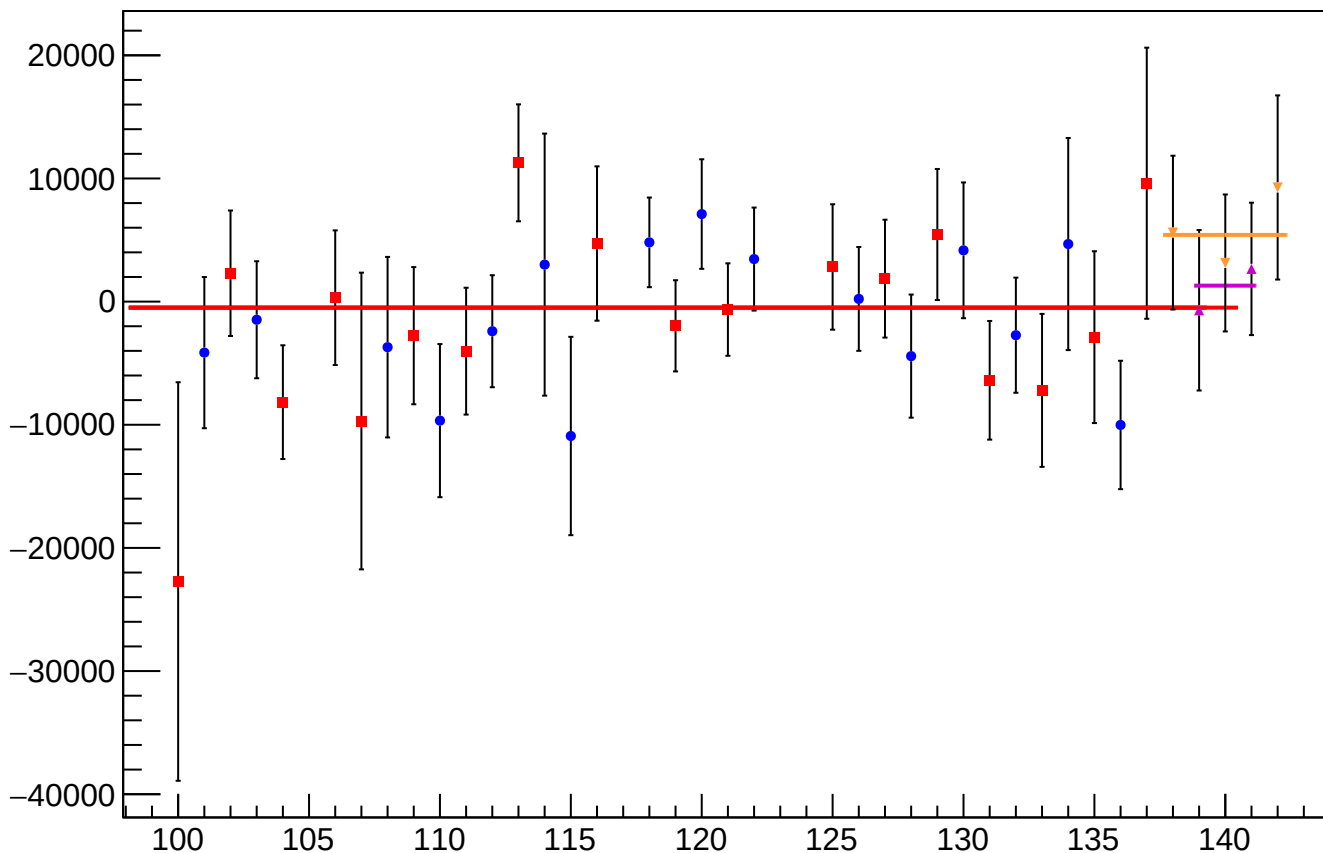
Left In: 1671.201+/-0.899 χ^2/NDF : 724.8/1

+ sign 1445.230+/-0.337 χ^2/NDF : 194768.1/18

All: 1431.243+/-0.238 χ^2/NDF : 405763.0/38

- sign 1417.340+/-0.336 χ^2/NDF : 207564.4/19

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug



Right In: -486.563+/-1294.930 χ^2/NDF : 15.9/15

Left Out: 5416.667+/-3630.620 χ^2/NDF : 0.4/2

Right Out: -488.594+/-1261.315 χ^2/NDF : 18.7/17

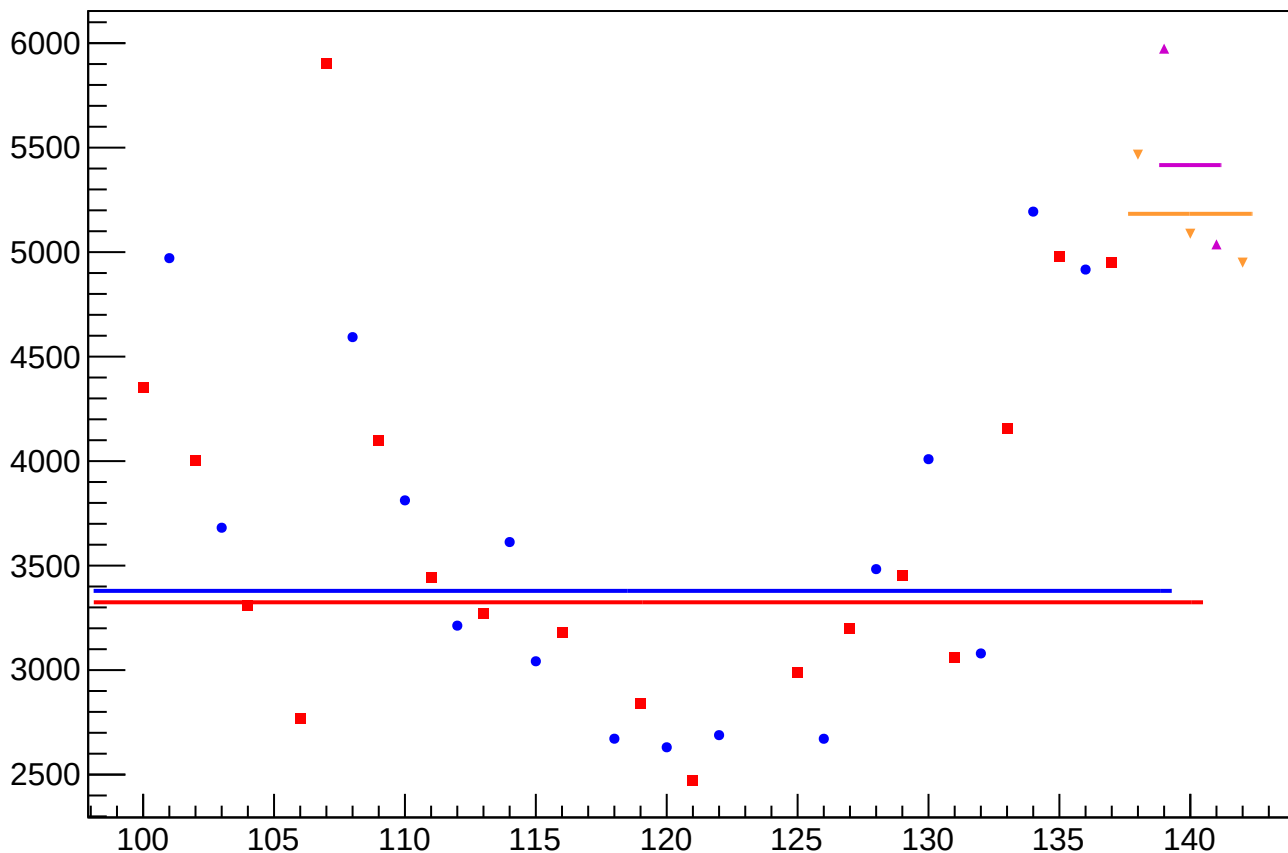
Left In: 1296.442+/-4146.390 χ^2/NDF : 0.2/1

+ sign 179.653+/-1219.673 χ^2/NDF : 18.7/18

All: -81.637+/-857.822 χ^2/NDF : 37.9/38

- sign -337.406+/-1206.718 χ^2/NDF : 19.0/19

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2 /NDF: 755339.9/15

Left Out: 5183.325+/-2.567 χ^2 /NDF:6647.1/2

Right Out: 3324.449+/-0.892 χ^2 /NDF: 543813.3/17

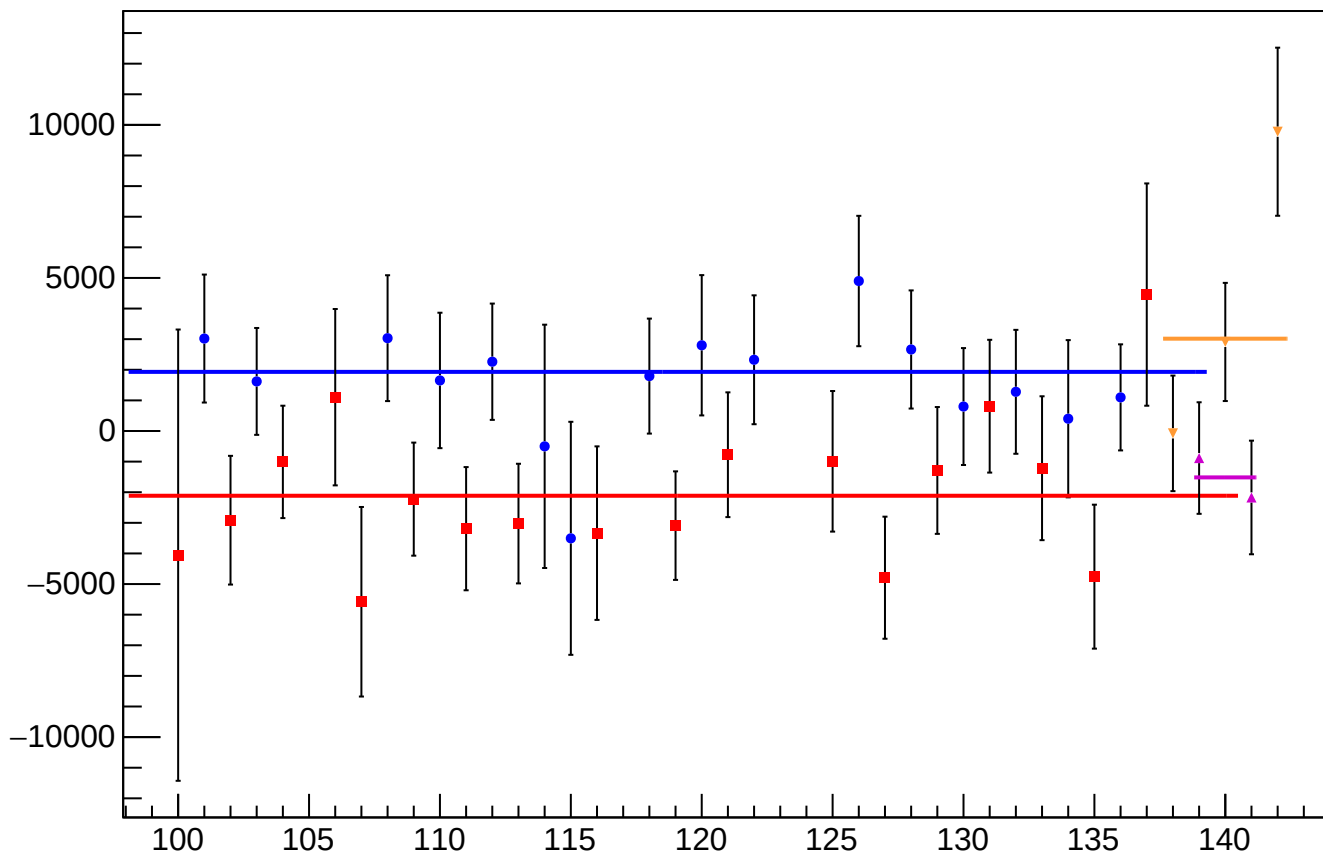
Left In: 5416.502+/-2.932 χ^2 /NDF:24589.9/1

+ sign 3582.727+/-0.862 χ^2 /NDF: 1200153.2/18

All: 3541.751+/-0.607 χ^2 /NDF: 2239037.9/38

- sign 3501.641+/-0.853 χ^2 /NDF: 1034417.8/19

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF : 6.4/15

Left Out: 3015.825+/-1211.172 χ^2/NDF : 8.8/2

Right Out: -2115.195+/-528.802 χ^2/NDF : 13.2/17

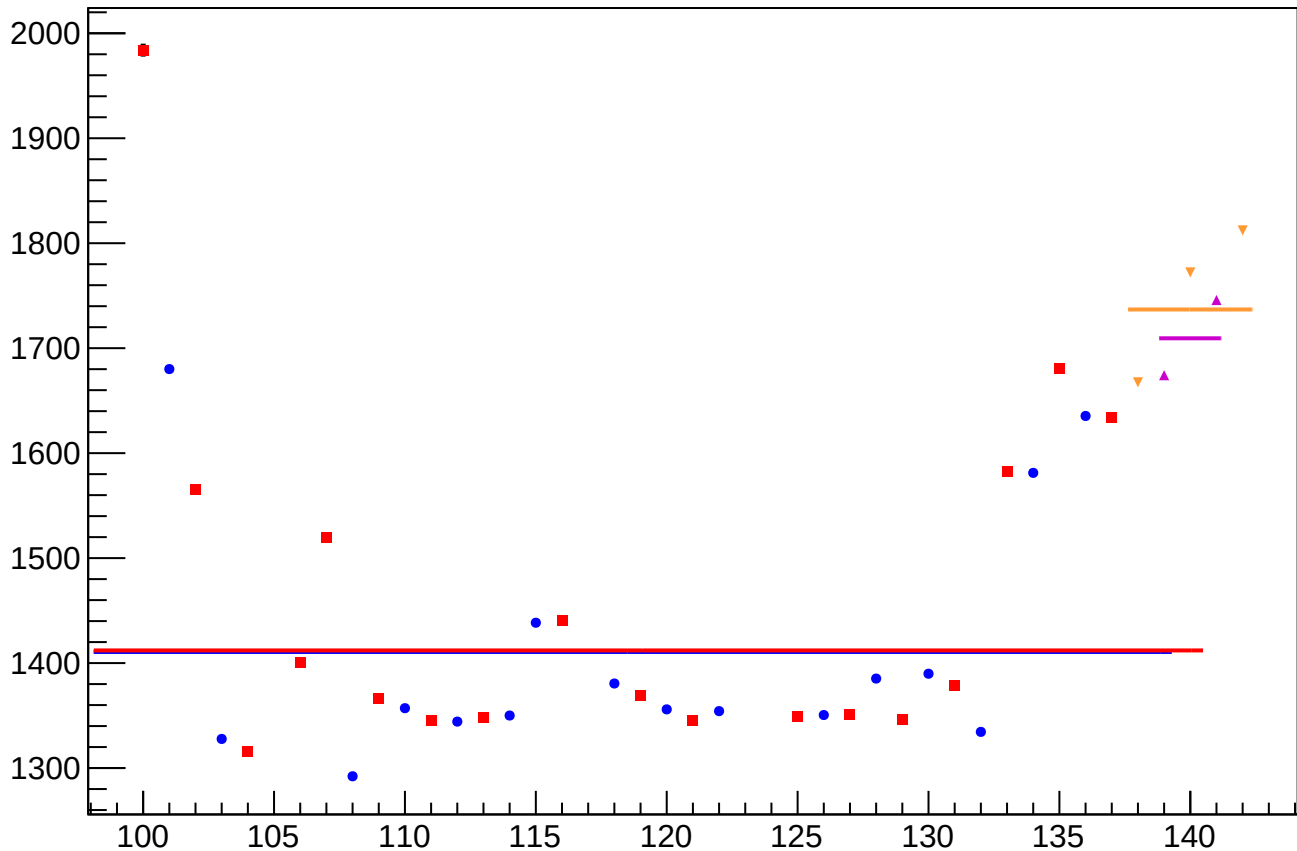
Left In: -1515.730+/-1300.195 χ^2/NDF : 0.2/1

+ sign 2104.216+/-483.341 χ^2/NDF : 15.8/18

All: 64.655+/-344.048 χ^2/NDF : 65.5/38

- sign -2030.109+/-489.839 χ^2/NDF : 13.6/19

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF : 99150.0/15

Left Out: 1736.865+/-0.856 χ^2/NDF : 4878.1/2

Right Out: 1412.048+/-0.373 χ^2/NDF : 89704.5/17

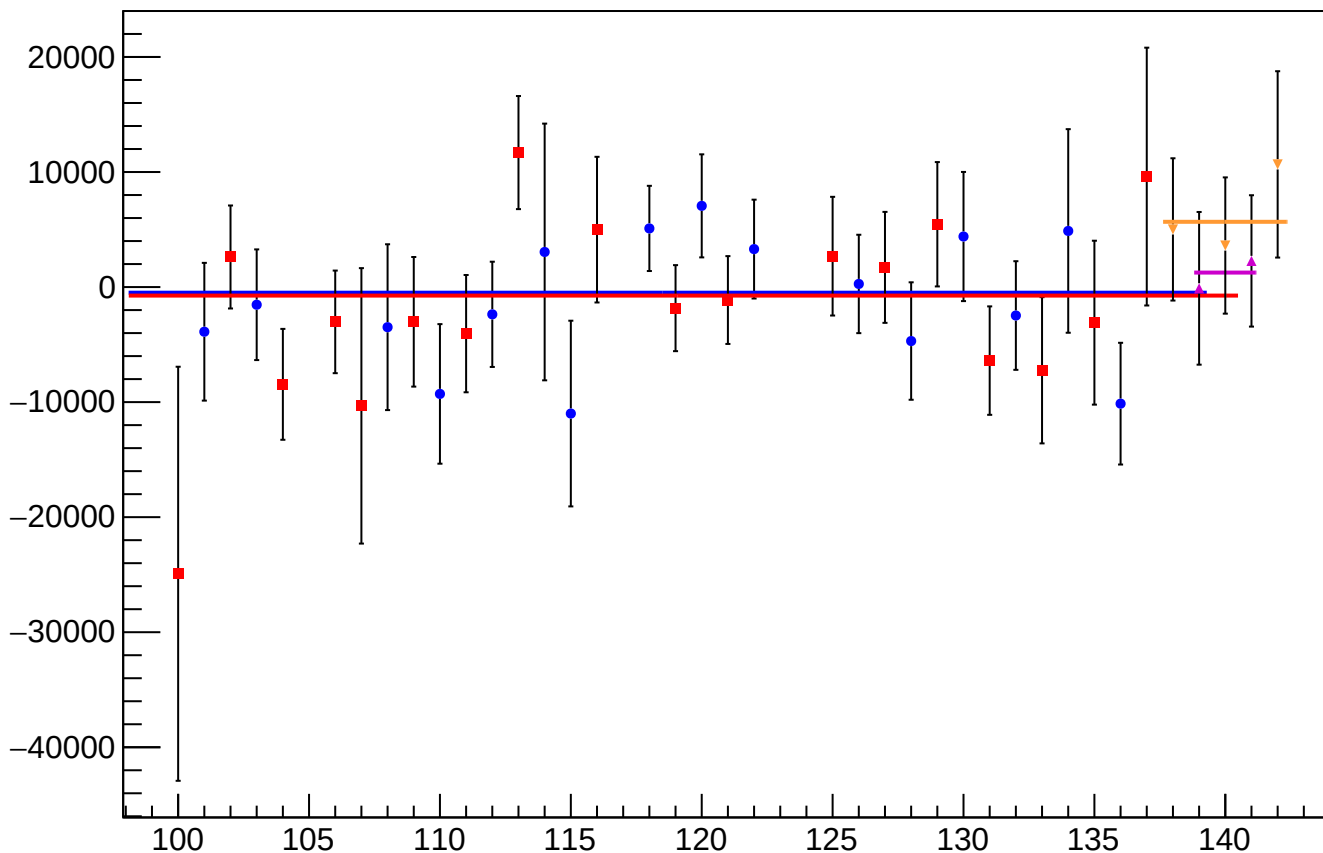
Left In: 1709.409+/-0.919 χ^2/NDF : 1517.7/1

+ sign 1462.556+/-0.342 χ^2/NDF : 226049.3/18

All: 1458.355+/-0.243 χ^2/NDF : 407408.8/38

- sign 1454.061+/-0.346 χ^2/NDF : 181054.1/19

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402 ± 1308.692 χ^2/NDF : 15.8/15

Left Out: 5672.662 ± 3781.982 χ^2/NDF : 0.5/2

Right Out: -740.592 ± 1247.947 χ^2/NDF : 19.2/17

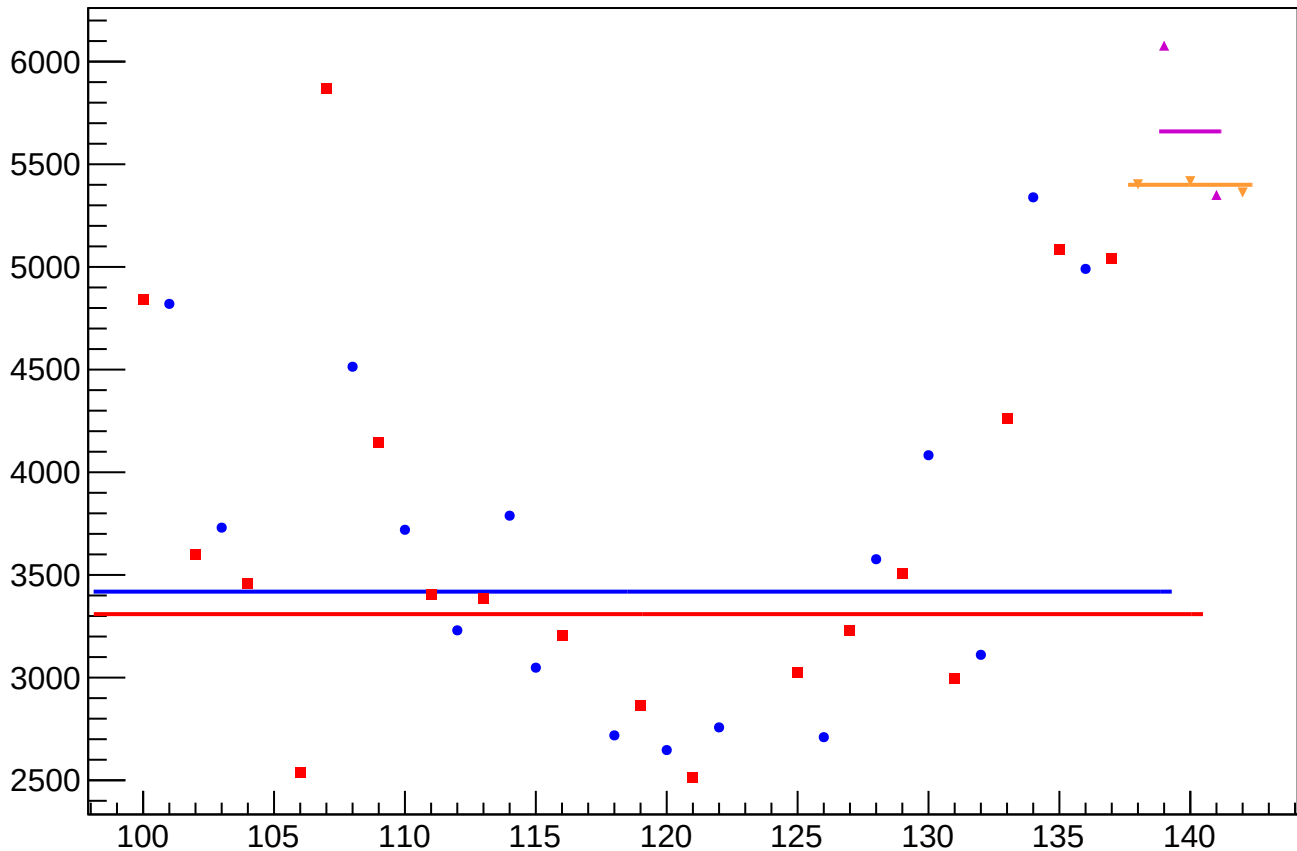
Left In: 1259.386 ± 4327.843 χ^2/NDF : 0.1/1

+ sign 169.537 ± 1236.741 χ^2/NDF : 18.7/18

All: -220.455 ± 860.889 χ^2/NDF : 38.4/38

- sign -587.064 ± 1199.092 χ^2/NDF : 19.5/19

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF : 721215.3/15

Left Out: 5399.940+/-2.674 χ^2/NDF : 60.6/2

+ sign 3630.564+/-0.875 χ^2/NDF : 1211447.4/18

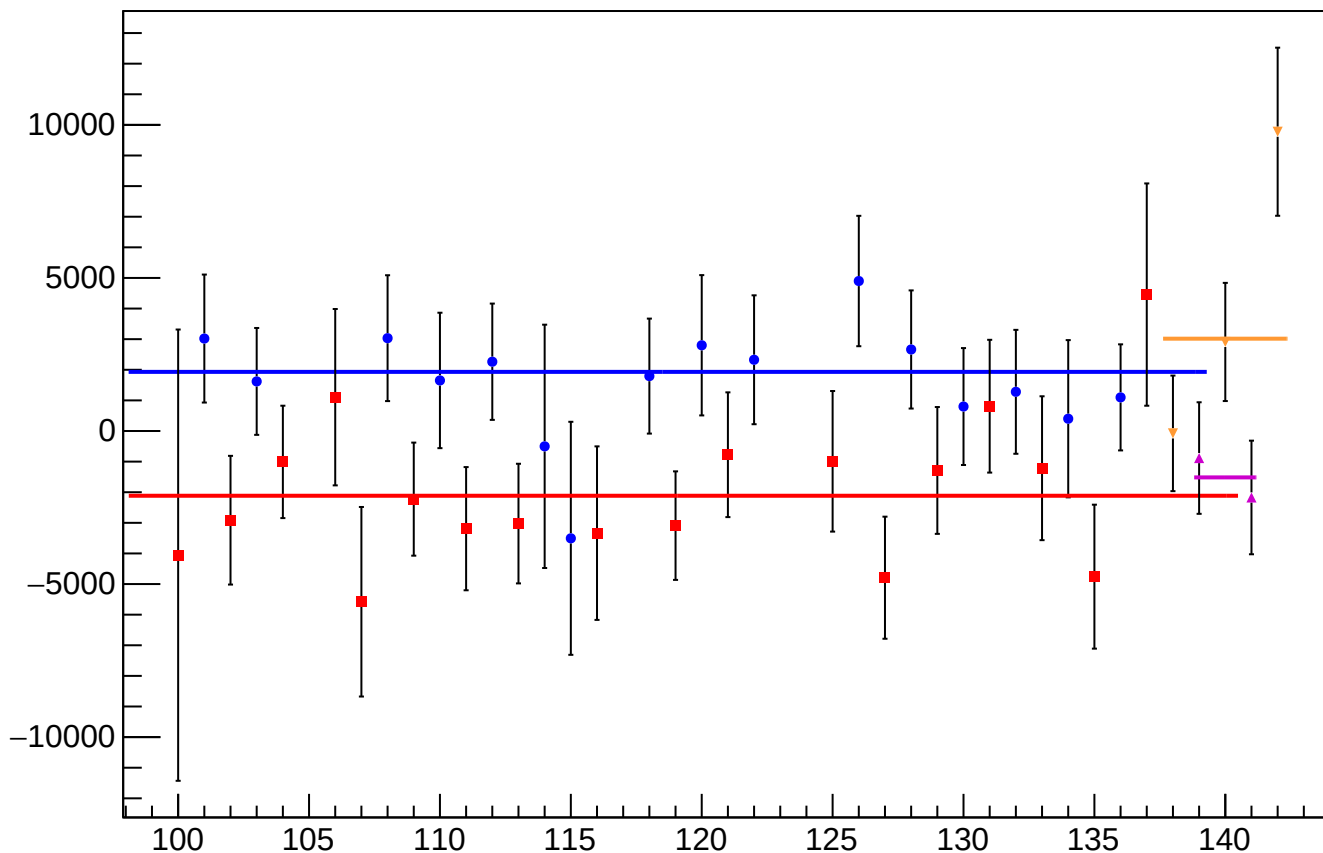
Right Out: 3309.112+/-0.882 χ^2/NDF : 571940.6/17

All: 3557.891+/-0.609 χ^2/NDF : 2355397.9/38

- sign 3489.575+/-0.848 χ^2/NDF : 1130552.8/19

Left In: 5659.971+/-3.060 χ^2/NDF : 13793.1/1

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538 $\pm$ 527.135 χ^2 /NDF: 6.4/15

Left Out: 3015.837 $\pm$ 1211.173 χ^2 /NDF:8.8/2

Right Out: -2115.195 $\pm$ 528.802 χ^2 /NDF: 13.2/17

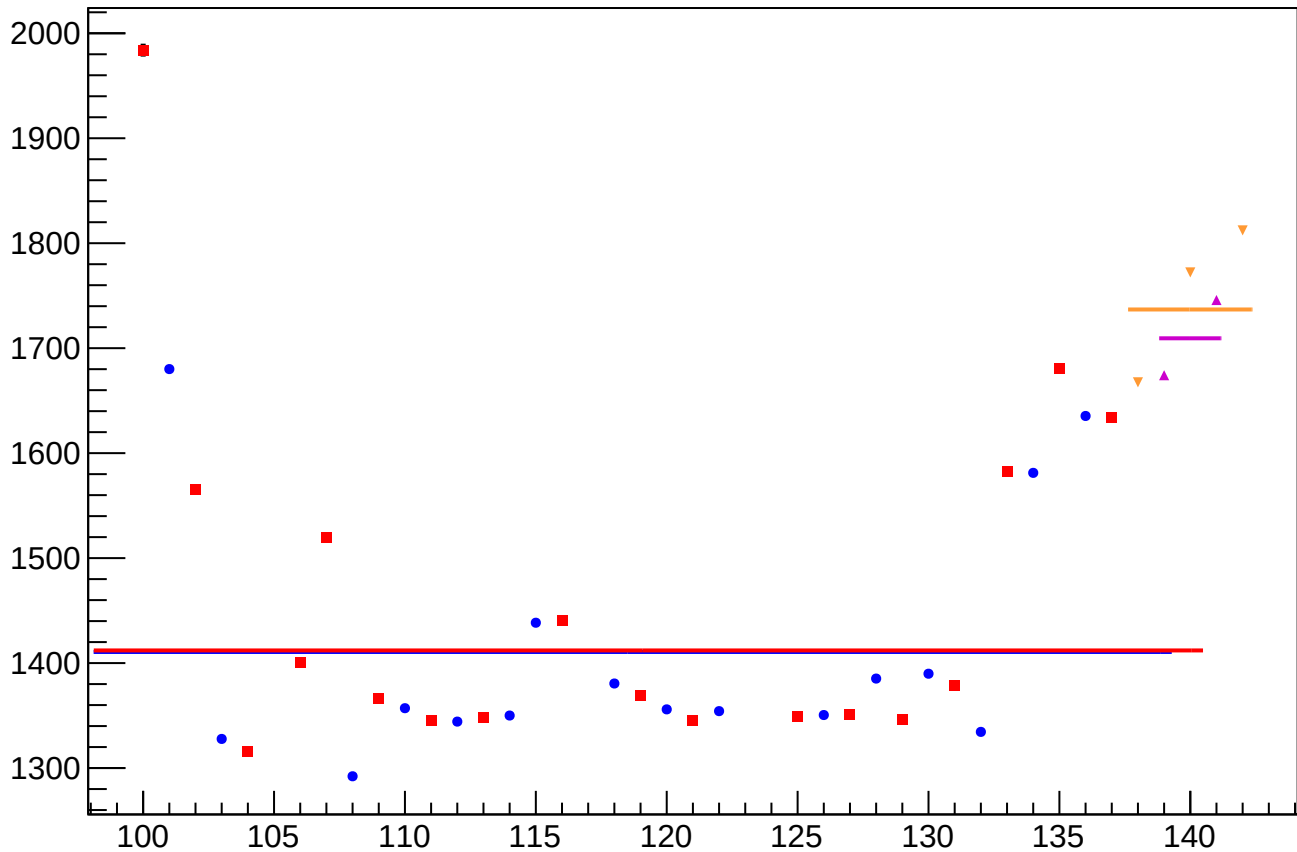
Left In: -1515.729 $\pm$ 1300.196 χ^2 /NDF:0.2/1

+ sign 2104.219 $\pm$ 483.342 χ^2 /NDF: 15.8/18

All: 64.657 $\pm$ 344.048 χ^2 /NDF: 65.5/38

- sign -2030.110 $\pm$ 489.839 χ^2 /NDF: 13.6/19

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2 /NDF: 99150.0/15

Left Out: 1736.866+/-0.856 χ^2 /NDF: 4878.3/2

Right Out: 1412.048+/-0.373 χ^2 /NDF: 89704.6/17

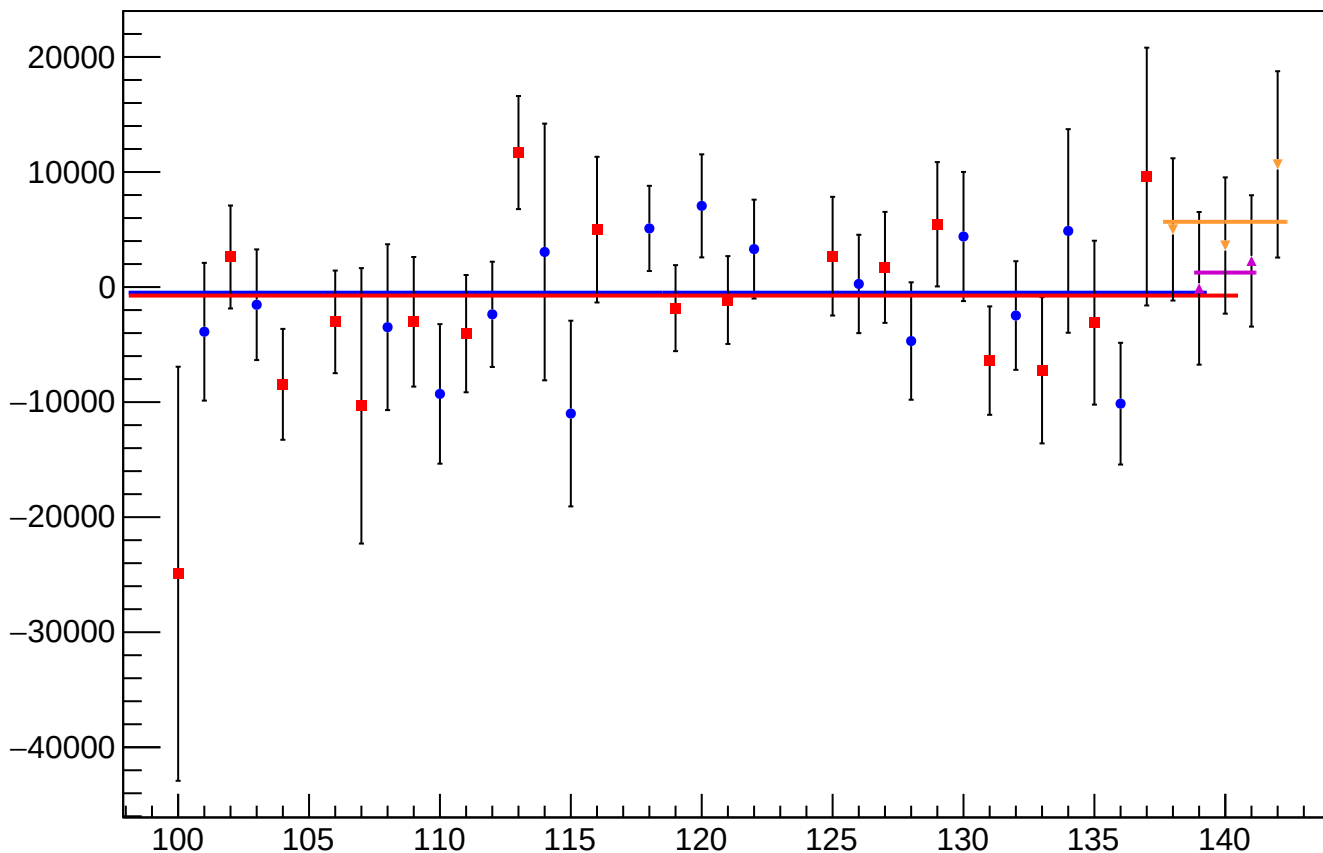
Left In: 1709.411+/-0.919 χ^2 /NDF: 1517.7/1

+ sign 1462.556+/-0.342 χ^2 /NDF: 226050.1/18

All: 1458.355+/-0.243 χ^2 /NDF: 407410.6/38

- sign 1454.061+/-0.346 χ^2 /NDF: 181055.0/19

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug



Right In: -489.395 ± 1308.688 χ^2/NDF : 15.8/15

Left Out: 5672.683 ± 3781.992 χ^2/NDF : 0.5/2

Right Out: -740.594 ± 1247.944 χ^2/NDF : 19.2/17

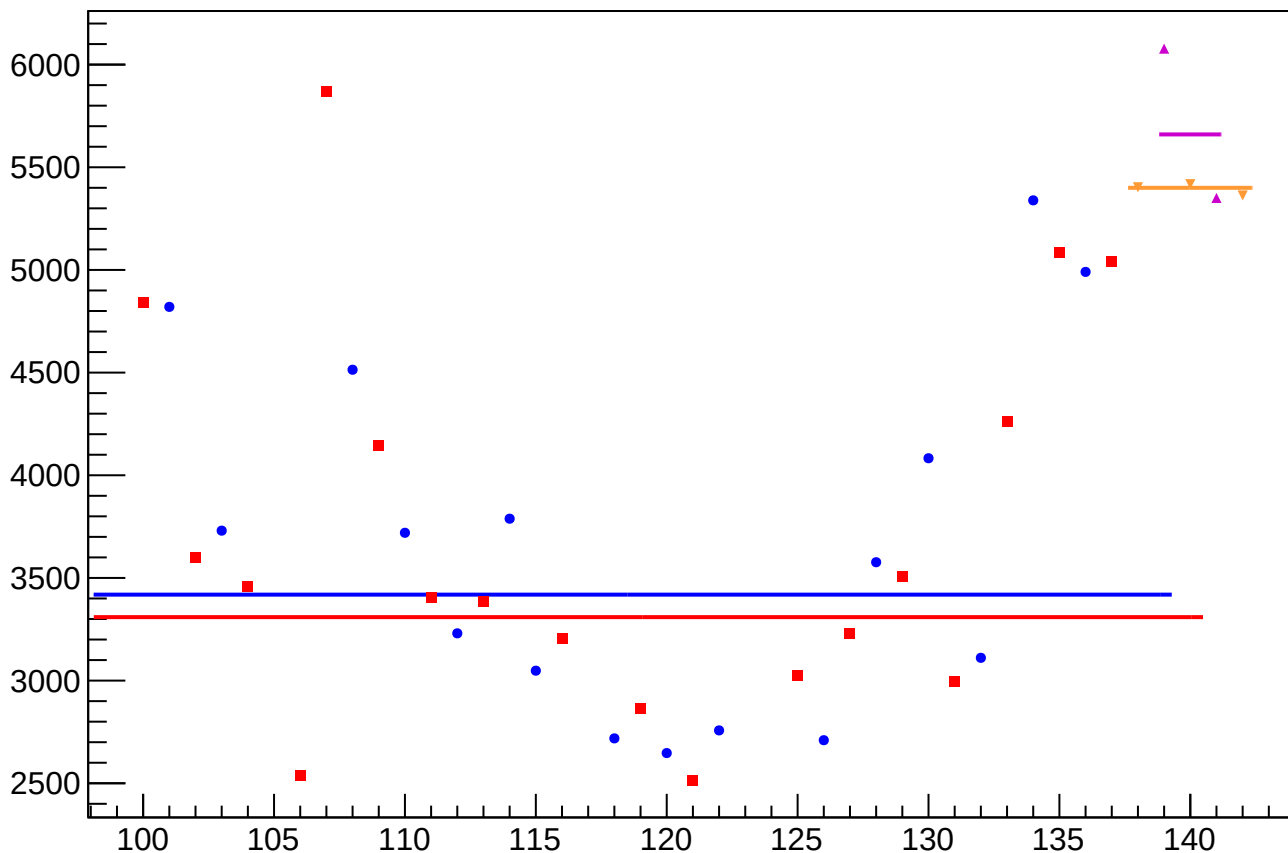
Left In: 1259.386 ± 4327.853 χ^2/NDF : 0.1/1

+ sign 169.539 ± 1236.738 χ^2/NDF : 18.7/18

All: -220.456 ± 860.886 χ^2/NDF : 38.4/38

- sign -587.068 ± 1199.089 χ^2/NDF : 19.5/19

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3418.690+/-0.925 χ^2/NDF : 721223.9/15

Left Out: 5399.954+/-2.674 χ^2/NDF : 60.6/2

Right Out: 3309.102+/-0.882 χ^2/NDF : 571944.5/17

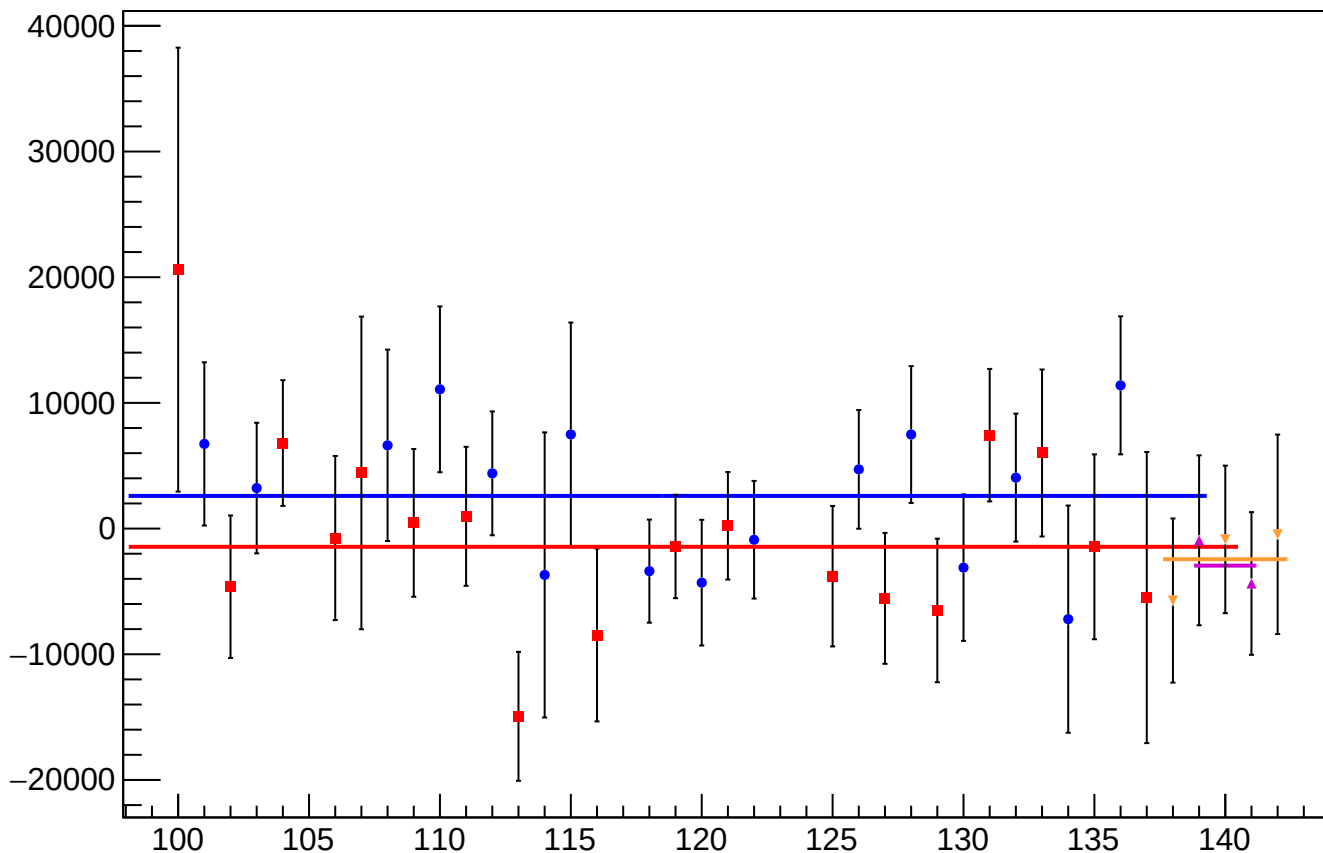
Left In: 5659.983+/-3.060 χ^2/NDF : 13793.5/1

+ sign 3630.553+/-0.875 χ^2/NDF : 1211466.5/18

All: 3557.881+/-0.609 χ^2/NDF : 2355429.6/38

- sign 3489.565+/-0.848 χ^2/NDF : 1130565.5/19

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622 $\pm$ 1414.499 χ^2 /NDF: 13.5/15

Left Out: -2434.984 $\pm$ 3824.806 χ^2 /NDF: 0.4/2

Right Out: -1450.418 $\pm$ 1382.818 χ^2 /NDF: 19.0/17

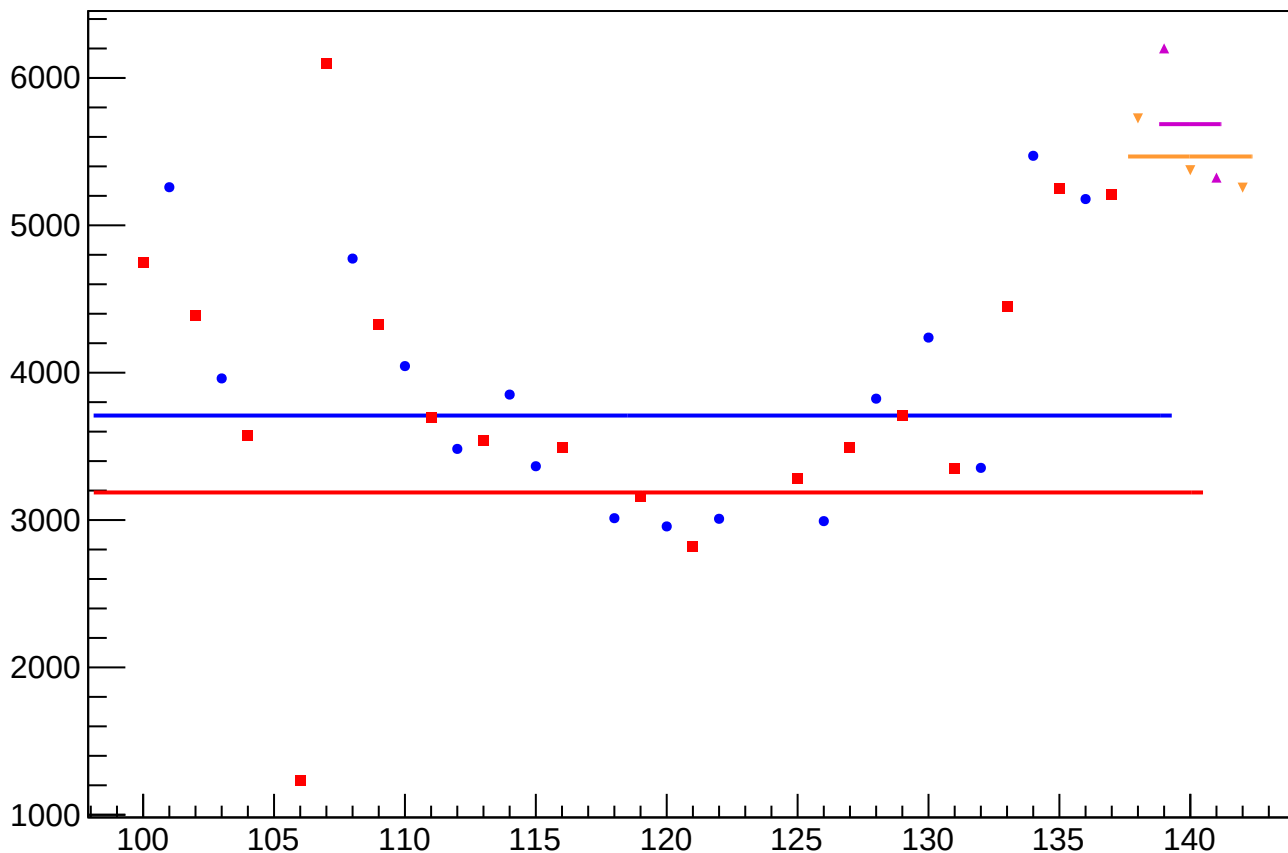
Left In: -2947.290 $\pm$ 4347.803 χ^2 /NDF: 0.2/1

+ sign 1993.891 $\pm$ 1326.681 χ^2 /NDF: 15.4/18

All: 190.917 $\pm$ 934.940 χ^2 /NDF: 38.4/38

- sign -1587.926 $\pm$ 1317.773 χ^2 /NDF: 19.3/19

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF : 610637.3/15

Left Out: 5467.085+/-2.705 χ^2/NDF : 5058.0/2

Right Out: 3187.191+/-0.896 χ^2/NDF : 1610818.1/17

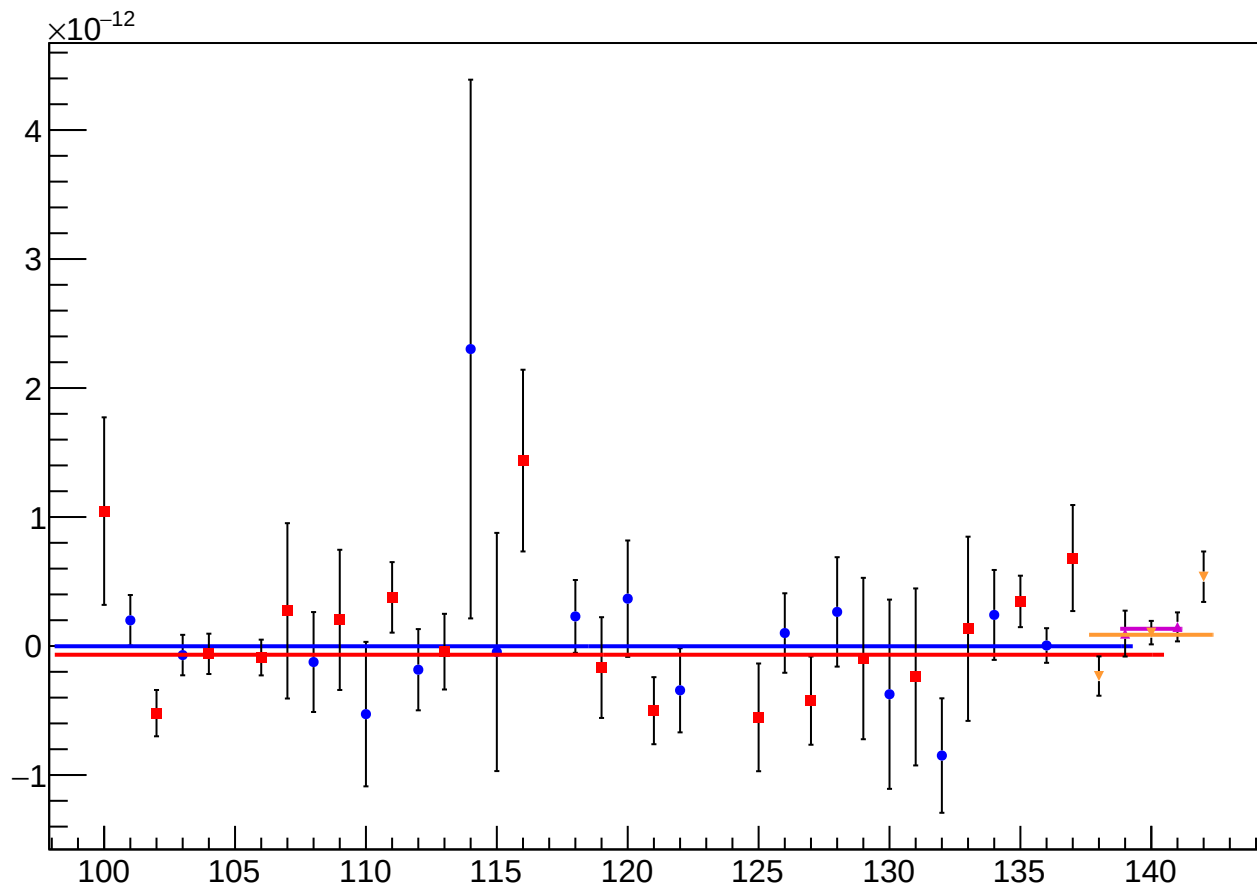
Left In: 5686.617+/-3.074 χ^2/NDF : 19725.5/1

+ sign 3920.656+/-0.938 χ^2/NDF : 987352.7/18

All: 3628.299+/-0.634 χ^2/NDF : 3405866.8/38

- sign 3382.695+/-0.860 χ^2/NDF : 2239797.7/19

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 : 9.7/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.5/17

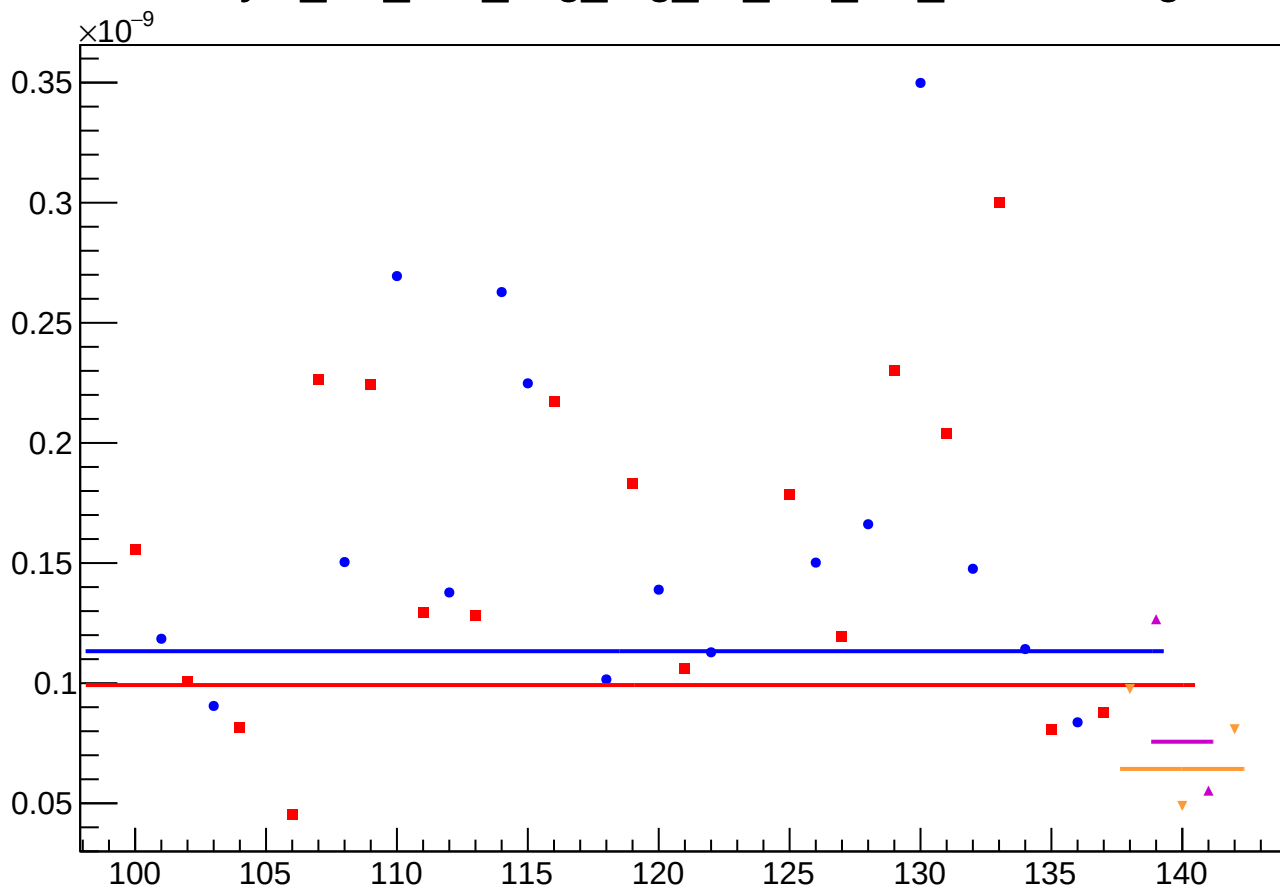
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 21.6/18

All: 0.000 ± 0.000 χ^2/NDF : 54.6/38

- sign -0.000 ± 0.000 χ^2/NDF : 32.6/19

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 : 166773.7/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1100854.2/17

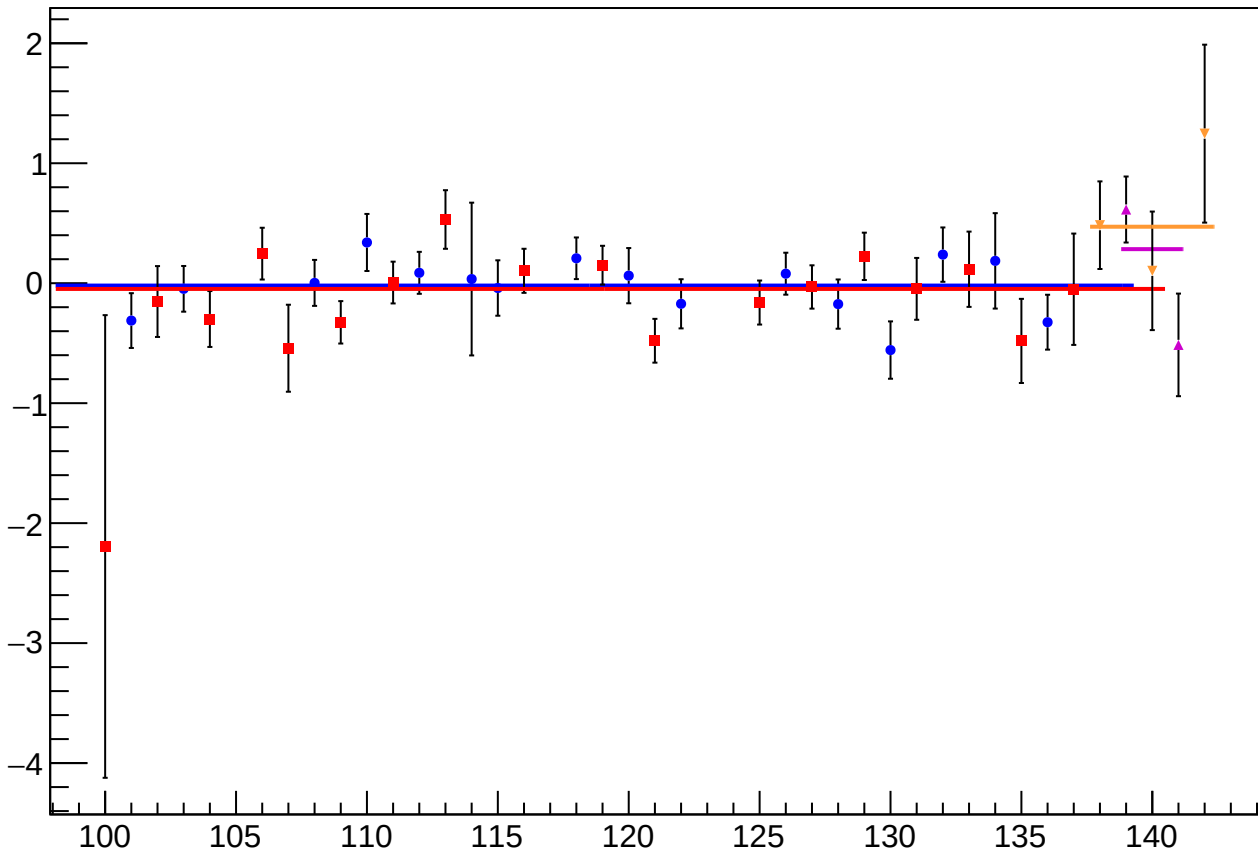
Left In: 0.000+/-0.000 χ^2/NDF : 230009.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 1292060.7/18

All: 0.000+/-0.000 χ^2/NDF : 2707862.8/38

- sign 0.000+/-0.000 χ^2/NDF : 1414271.9/19

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: 0.471 ± 0.273 χ^2/NDF : 1.6/2

Right Out: -0.048 ± 0.052 χ^2/NDF : 26.3/17

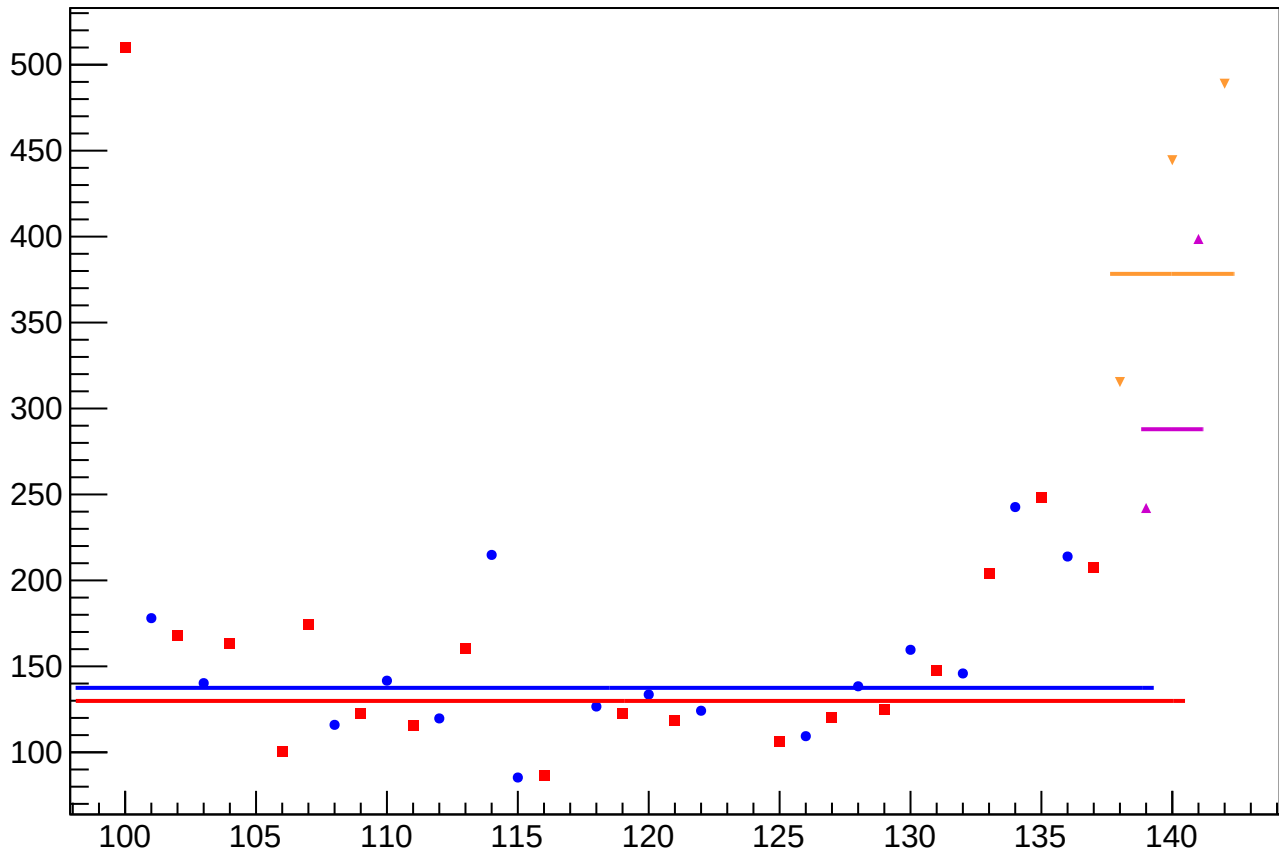
Left In: 0.284 ± 0.231 χ^2/NDF : 4.9/1

+ sign -0.001 ± 0.053 χ^2/NDF : 20.8/18

All: -0.017 ± 0.037 χ^2/NDF : 54.1/38

- sign -0.031 ± 0.051 χ^2/NDF : 33.2/19

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492 $\pm$ 0.038 χ^2 /NDF: 692947.9/15

Left Out: 378.327 $\pm$ 0.193 χ^2 /NDF: 139695.1/2

Right Out: 129.887 $\pm$ 0.037 χ^2 /NDF: 833983.9/17

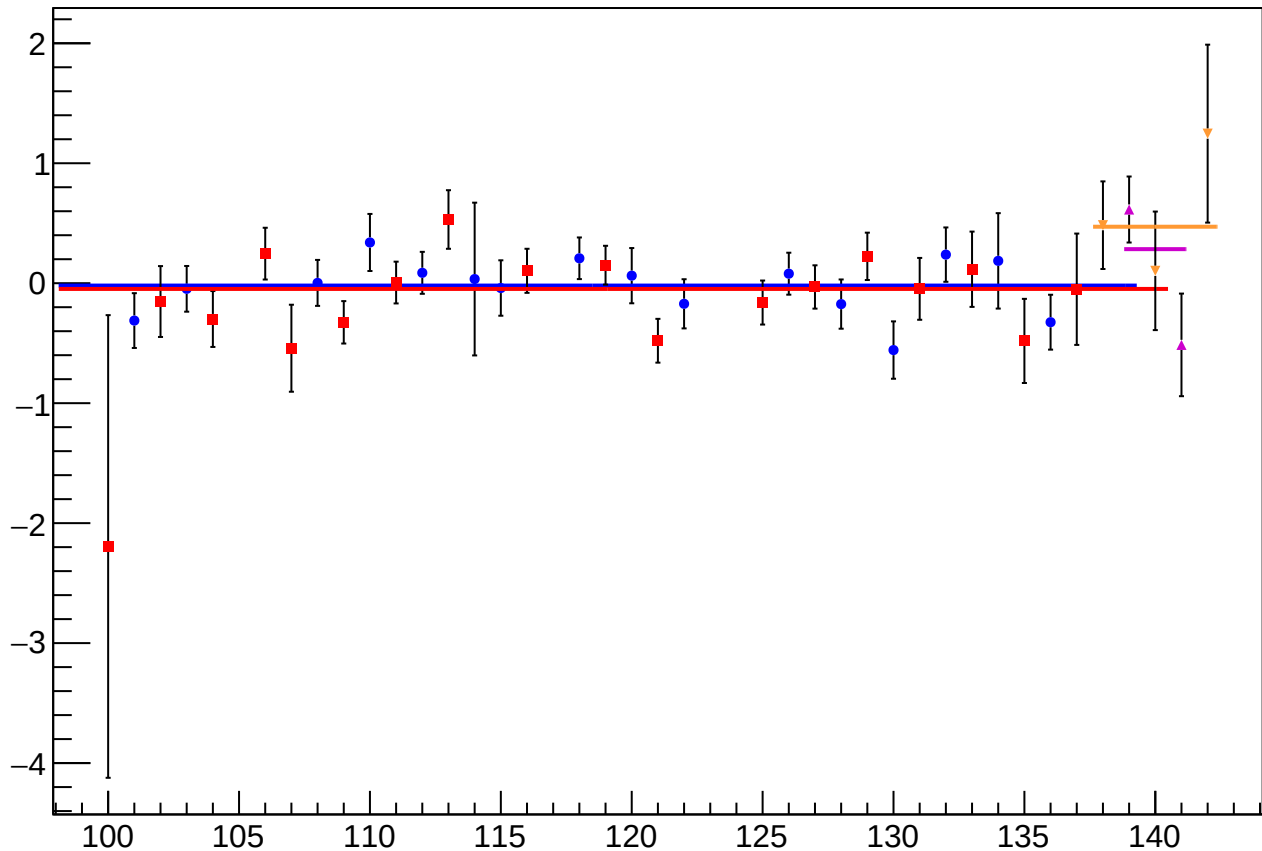
Left In: 287.945 $\pm$ 0.164 χ^2 /NDF: 189442.9/1

+ sign 146.625 $\pm$ 0.038 χ^2 /NDF: 2329732.2/18

All: 141.955 $\pm$ 0.026 χ^2 /NDF: 4270556.5/38

- sign 137.625 $\pm$ 0.036 χ^2 /NDF: 1911089.1/19

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: 0.471 ± 0.273 $\chi^2/\text{NDF}: 1.6/2$

Right Out: -0.048 ± 0.052 $\chi^2/\text{NDF}: 26.3/17$

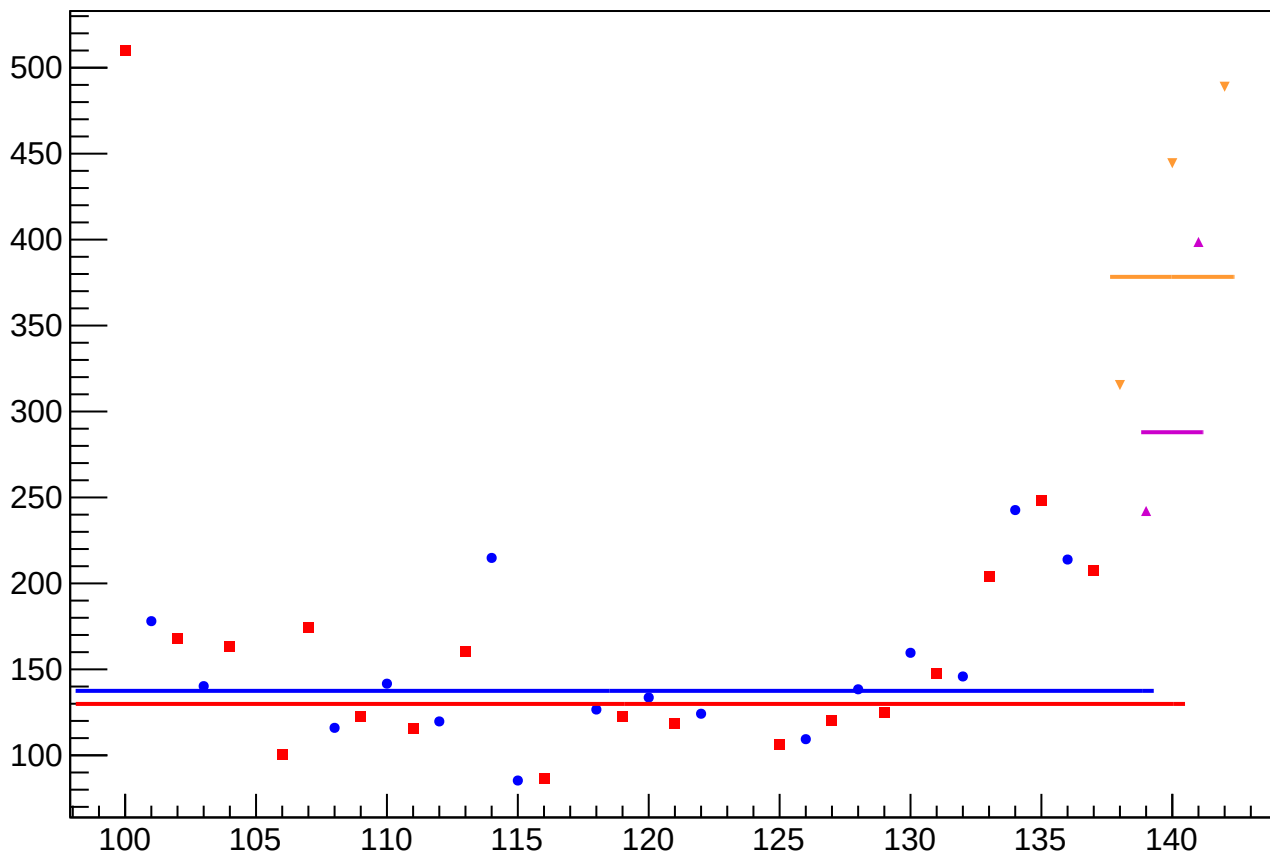
Left In: 0.284 ± 0.231 $\chi^2/\text{NDF}: 4.9/1$

+ sign -0.001 ± 0.053 $\chi^2/\text{NDF}: 20.8/18$

All: -0.017 ± 0.037 $\chi^2/\text{NDF}: 54.1/38$

- sign -0.031 ± 0.051 $\chi^2/\text{NDF}: 33.2/19$

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.492 $\pm$ 0.038 χ^2 /NDF: 692947.9/15

Left Out: 378.327 $\pm$ 0.193 χ^2 /NDF:139695.1/2

Right Out: 129.887 $\pm$ 0.037 χ^2 /NDF: 833983.9/17

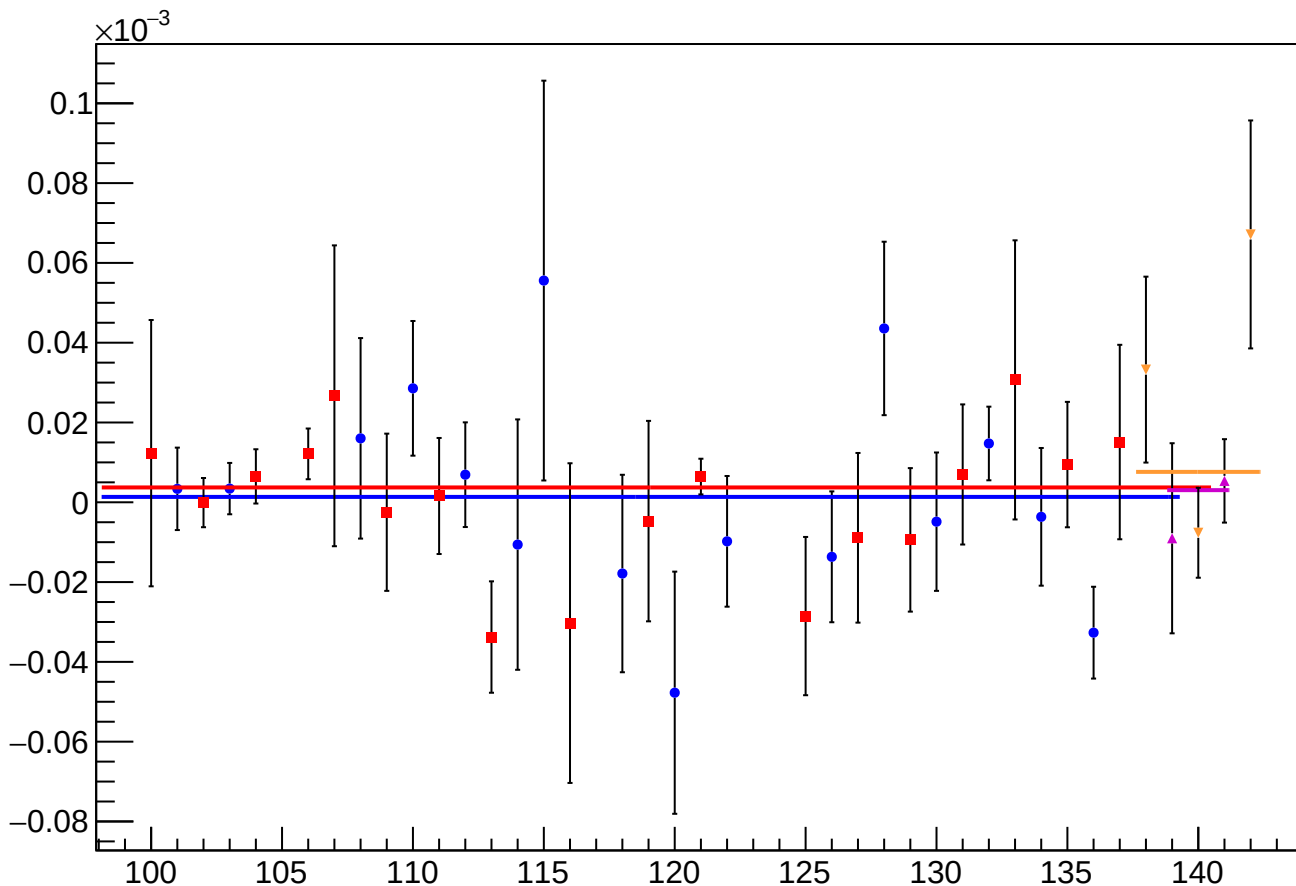
Left In: 287.945 $\pm$ 0.164 χ^2 /NDF:189442.9/1

+ sign 146.625 $\pm$ 0.038 χ^2 /NDF: 2329732.2/18

All: 141.955 $\pm$ 0.026 χ^2 /NDF: 4270556.5/38

- sign 137.625 $\pm$ 0.036 χ^2 /NDF: 1911089.1/19

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/17

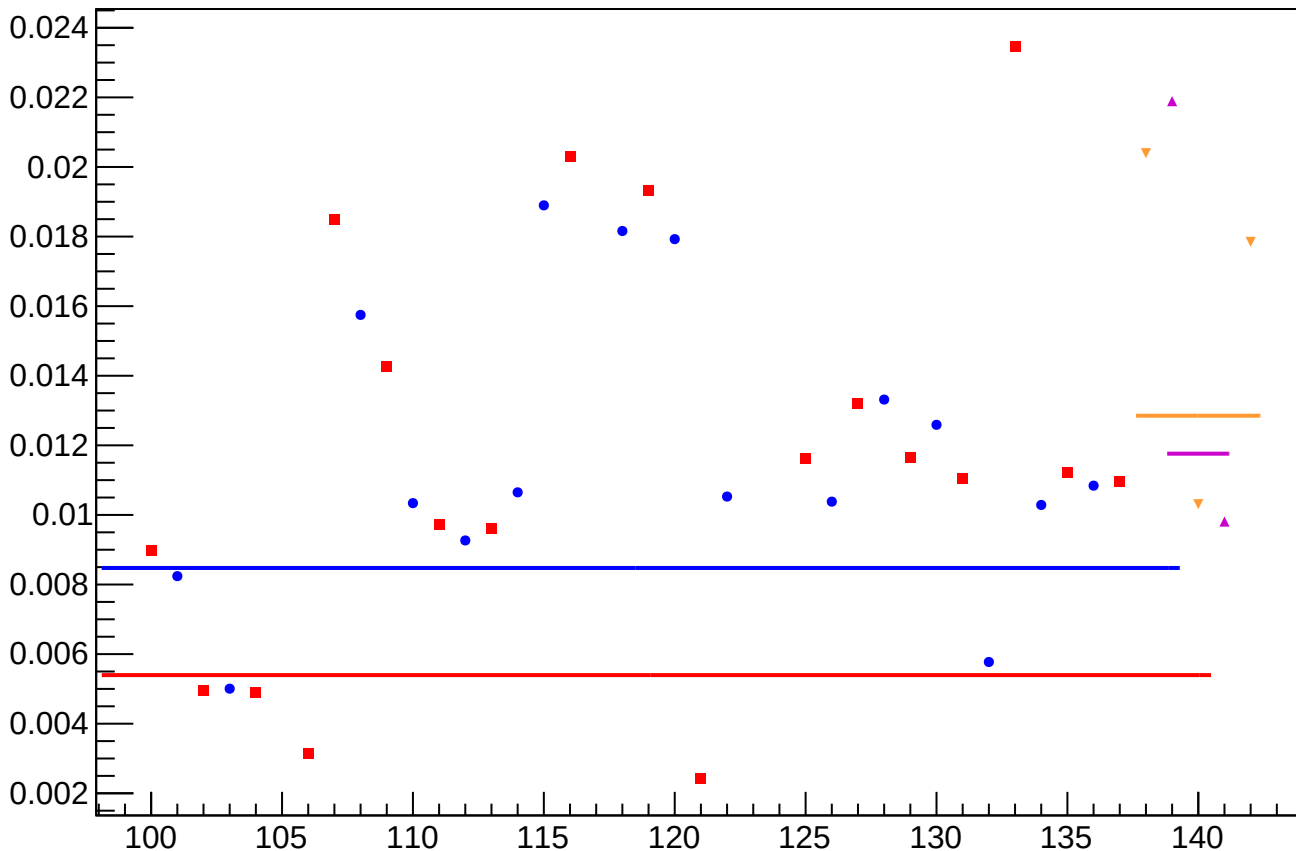
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.1/19

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: 0.013 $\pm$ 0.000 χ^2/NDF : 372621.2/2

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 4909074.3/17

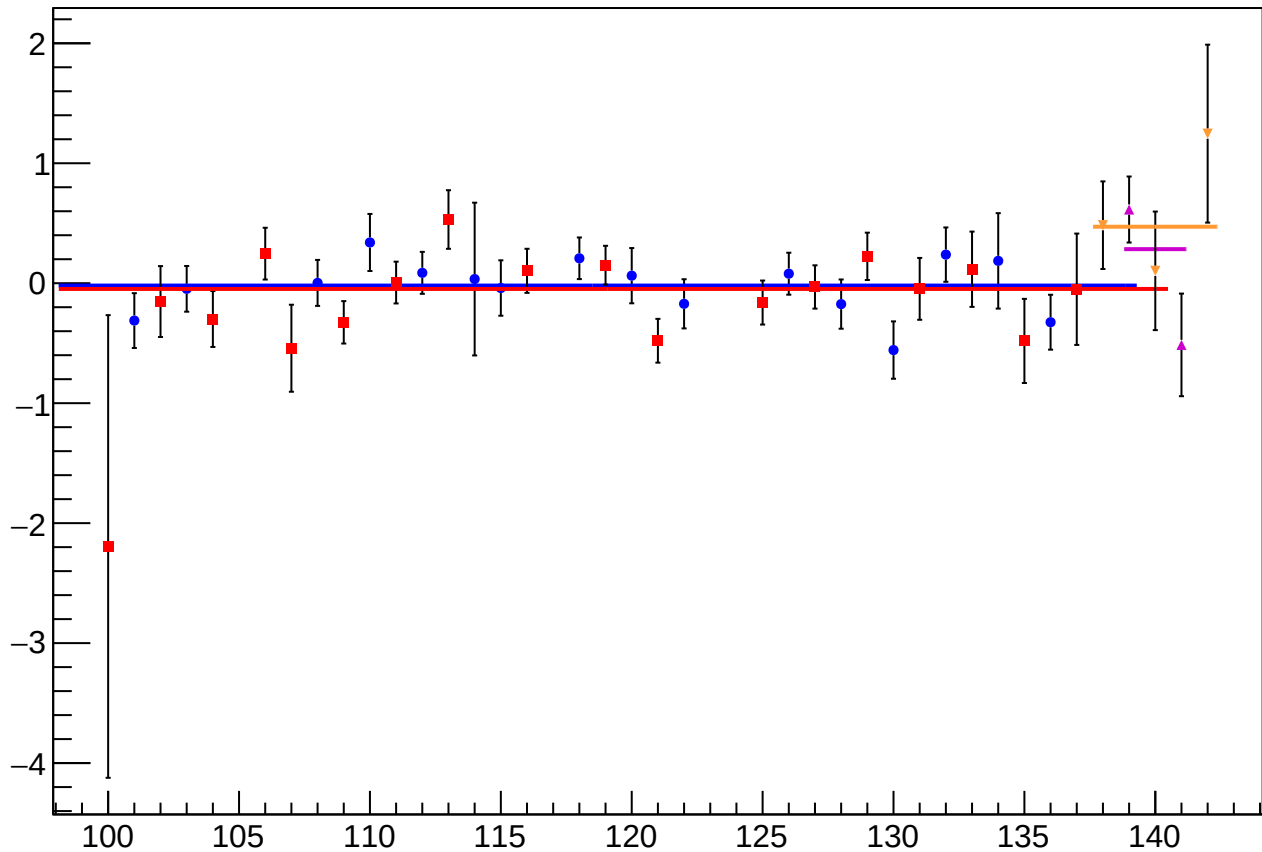
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 431261.6/1

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 2669330.3/18

All: 0.007 $\pm$ 0.000 χ^2/NDF : 10053217.3/38

- sign 0.006 $\pm$ 0.000 χ^2/NDF : 6166441.2/19

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: 0.471 ± 0.273 χ^2/NDF : 1.6/2

Right Out: -0.048 ± 0.052 χ^2/NDF : 26.3/17

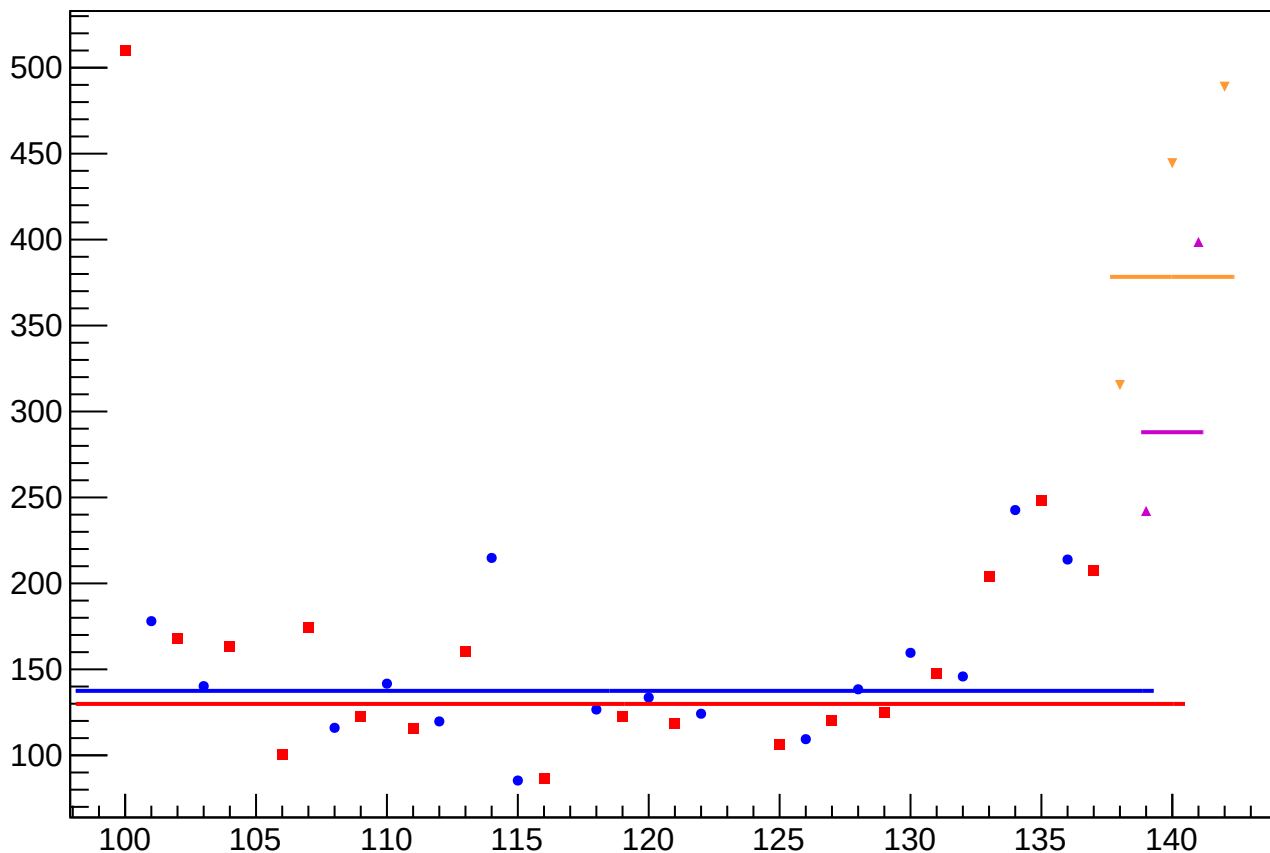
Left In: 0.284 ± 0.231 χ^2/NDF : 4.9/1

+ sign -0.001 ± 0.053 χ^2/NDF : 20.8/18

All: -0.017 ± 0.037 χ^2/NDF : 54.1/38

- sign -0.031 ± 0.051 χ^2/NDF : 33.2/19

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF : 692923.1/15

Left Out: 378.331+/-0.193 χ^2/NDF : 139704.2/2

Right Out: 129.887+/-0.037 χ^2/NDF : 833937.8/17

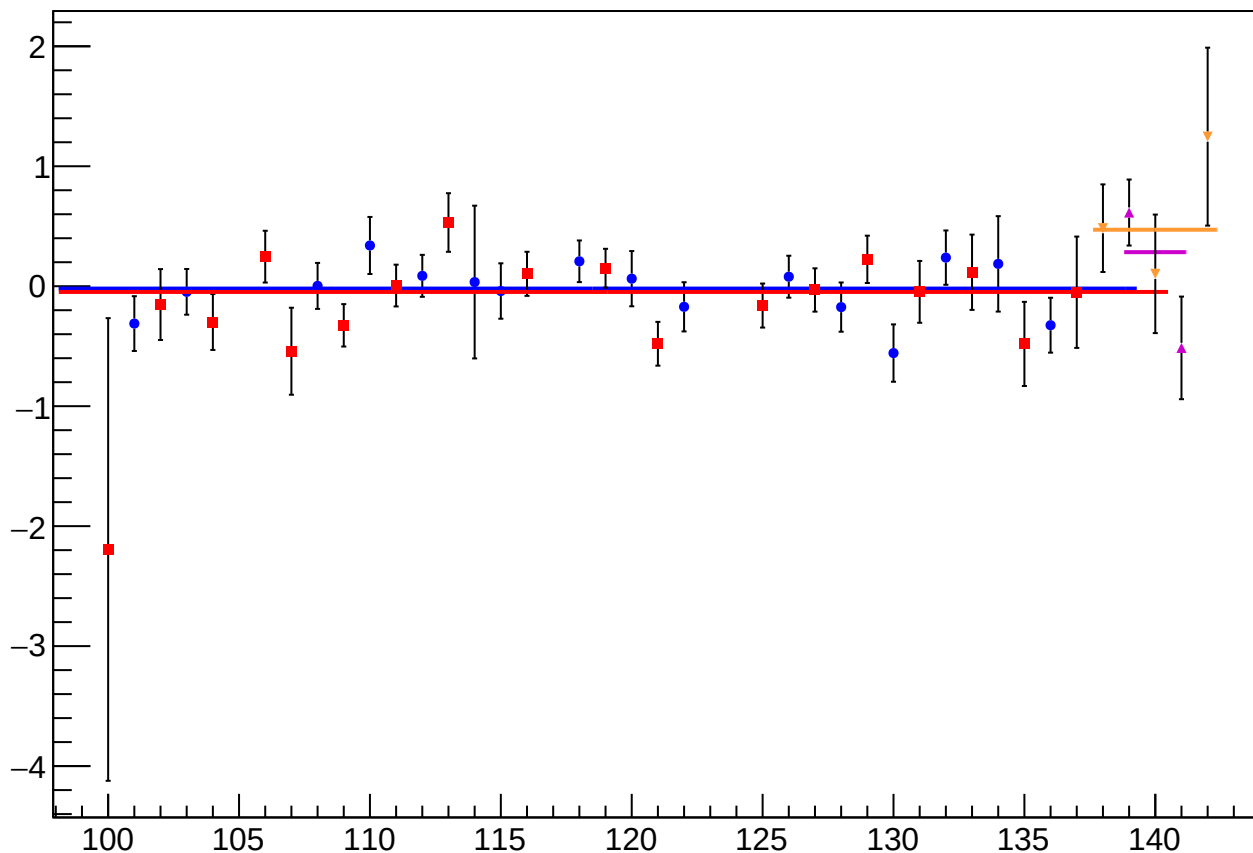
Left In: 287.953+/-0.164 χ^2/NDF : 189431.9/1

+ sign 146.625+/-0.038 χ^2/NDF : 2329735.0/18

All: 141.955+/-0.026 χ^2/NDF : 4270543.4/38

- sign 137.625+/-0.036 χ^2/NDF : 1911074.7/19

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: 0.471 ± 0.273 χ^2/NDF : 1.6/2

Right Out: -0.048 ± 0.052 χ^2/NDF : 26.3/17

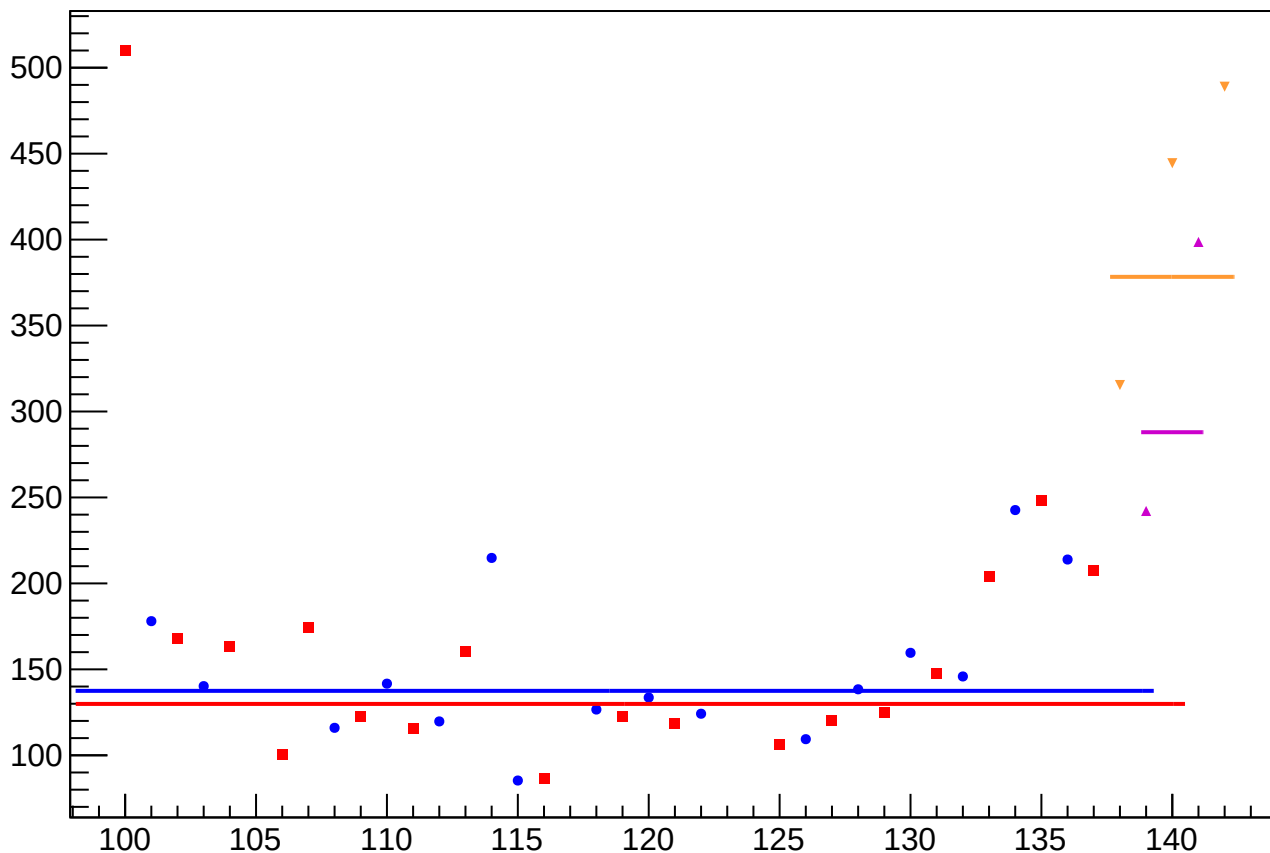
Left In: 0.284 ± 0.231 χ^2/NDF : 4.9/1

+ sign -0.001 ± 0.053 χ^2/NDF : 20.8/18

All: -0.017 ± 0.037 χ^2/NDF : 54.1/38

- sign -0.031 ± 0.051 χ^2/NDF : 33.2/19

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: 378.331 $\pm$ 0.193 χ^2 /NDF: 139704.2/2

Right Out: 129.887 $\pm$ 0.037 χ^2 /NDF: 833937.8/17

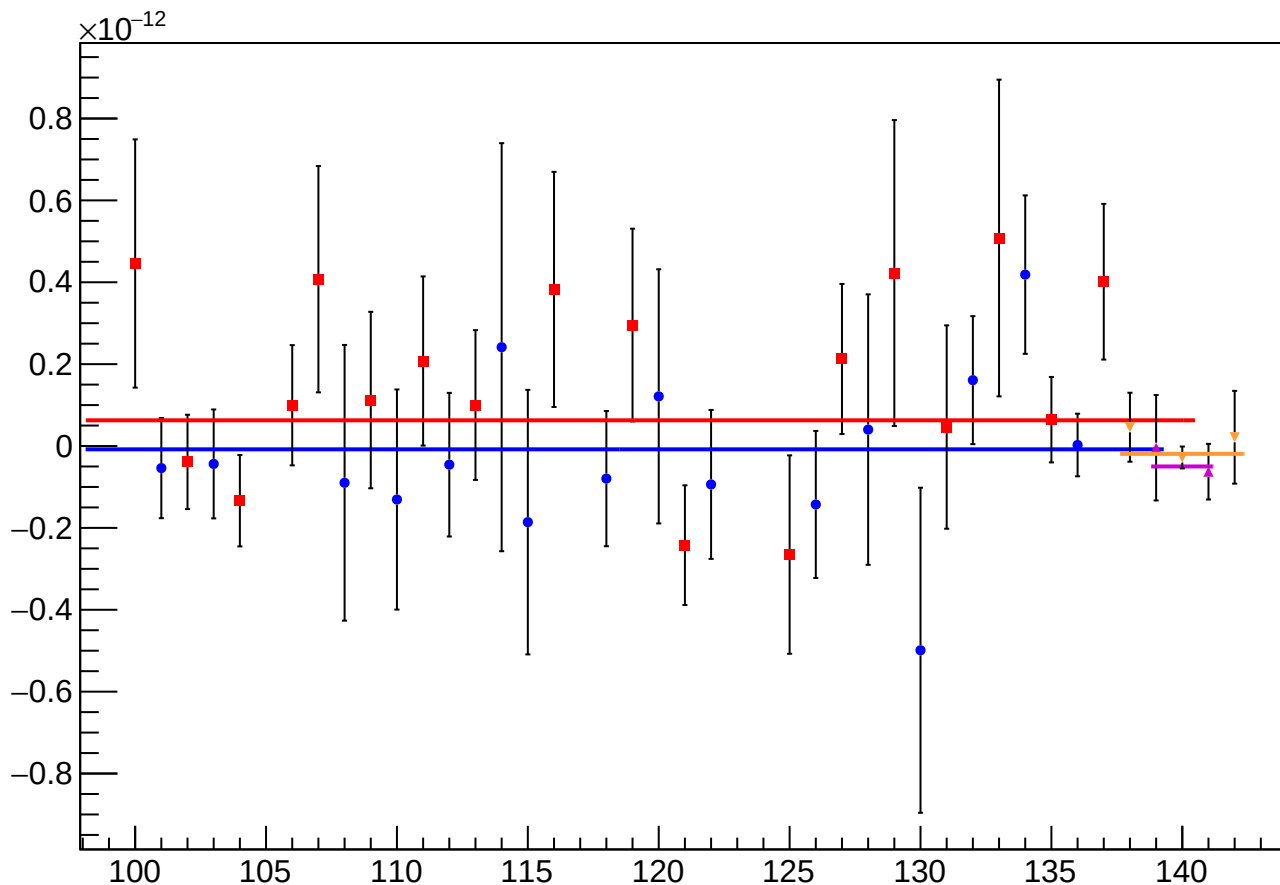
Left In: 287.953 $\pm$ 0.164 χ^2 /NDF: 189431.9/1

+ sign 146.625 $\pm$ 0.038 χ^2 /NDF: 2329735.0/18

All: 141.955 $\pm$ 0.026 χ^2 /NDF: 4270543.4/38

- sign 137.625 $\pm$ 0.036 χ^2 /NDF: 1911074.7/19

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 9.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 0.8/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 22.2/17

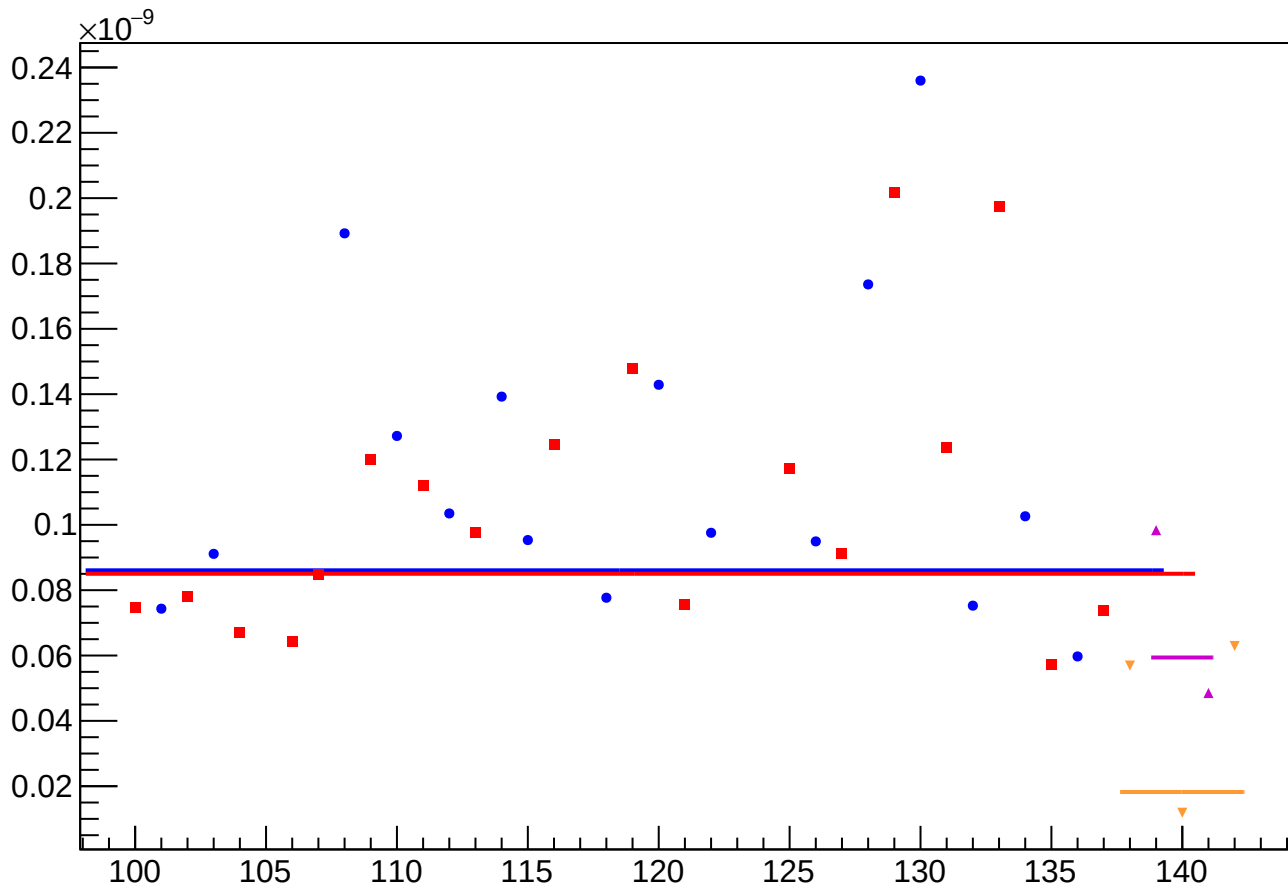
Left In: -0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 10.7/18

All: -0.000 ± 0.000 χ^2/NDF : 36.5/38

- sign 0.000 ± 0.000 χ^2/NDF : 24.7/19

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 846276.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 983211.4/17

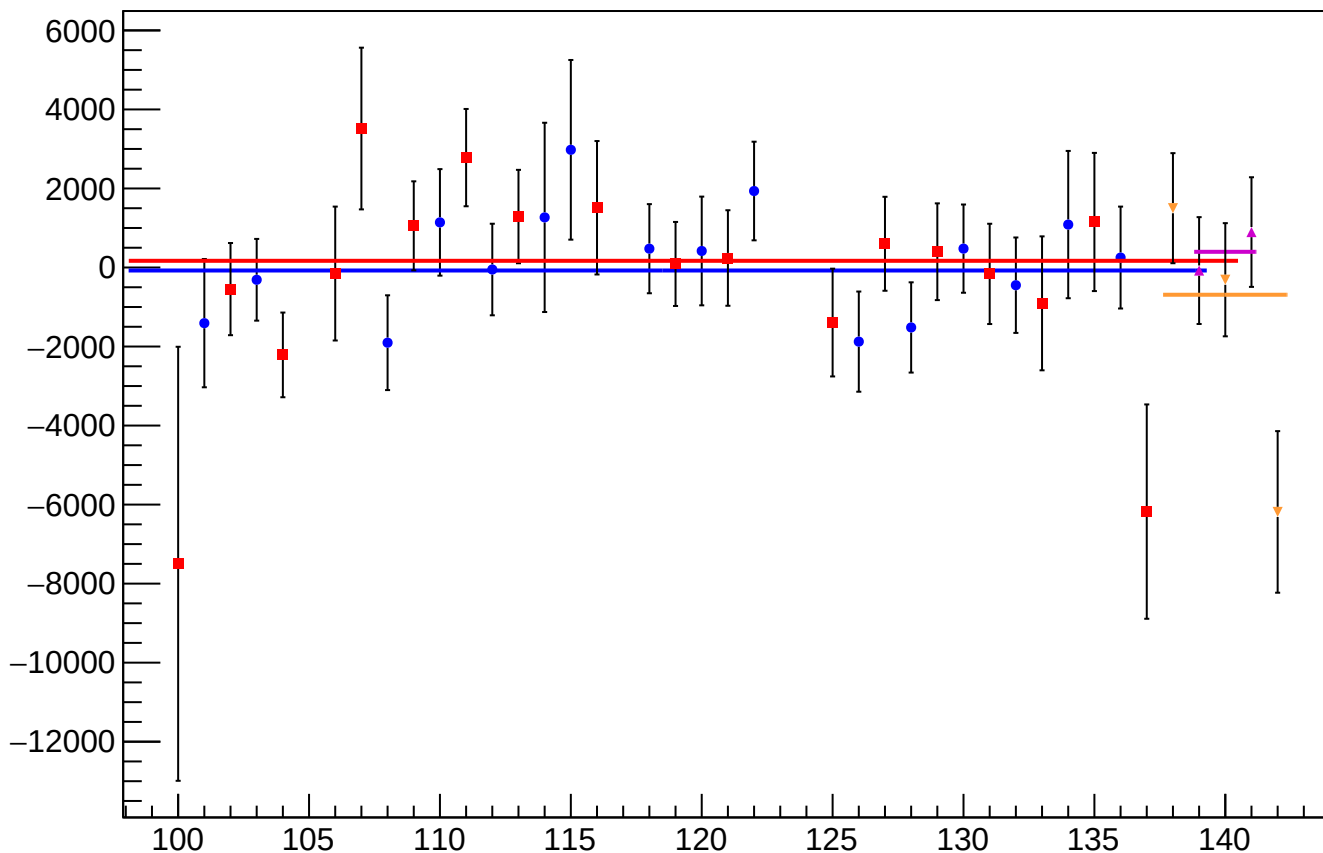
Left In: 0.000+/-0.000 χ^2/NDF : 234584.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 5722307.0/18

All: 0.000+/-0.000 χ^2/NDF : 9261402.1/38

- sign 0.000+/-0.000 χ^2/NDF : 1463279.5/19

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944 ± 326.226 χ^2/NDF : 13.4/15

Left Out: -689.693 ± 897.152 χ^2/NDF : 9.8/2

Right Out: 169.345 ± 321.827 χ^2/NDF : 24.4/17

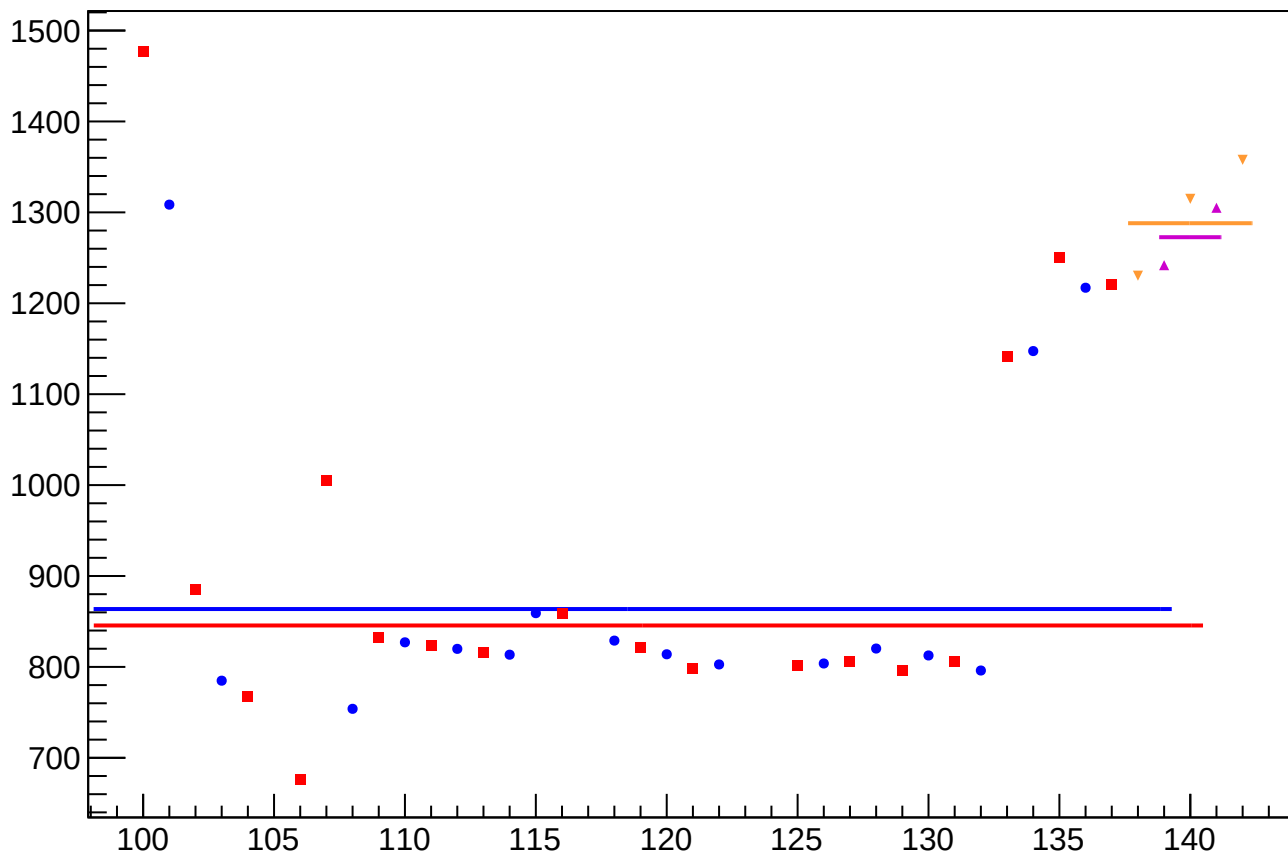
Left In: 396.916 ± 968.181 χ^2/NDF : 0.3/1

+ sign -147.619 ± 306.587 χ^2/NDF : 23.5/18

All: 22.845 ± 216.368 χ^2/NDF : 48.8/38

- sign 191.988 ± 305.397 χ^2/NDF : 24.7/19

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661 $\pm$ 0.231 χ^2 /NDF: 407498.8/15

Left Out: 1288.066 $\pm$ 0.634 χ^2 /NDF:6464.6/2

Right Out: 845.579 $\pm$ 0.225 χ^2 /NDF: 307774.6/17

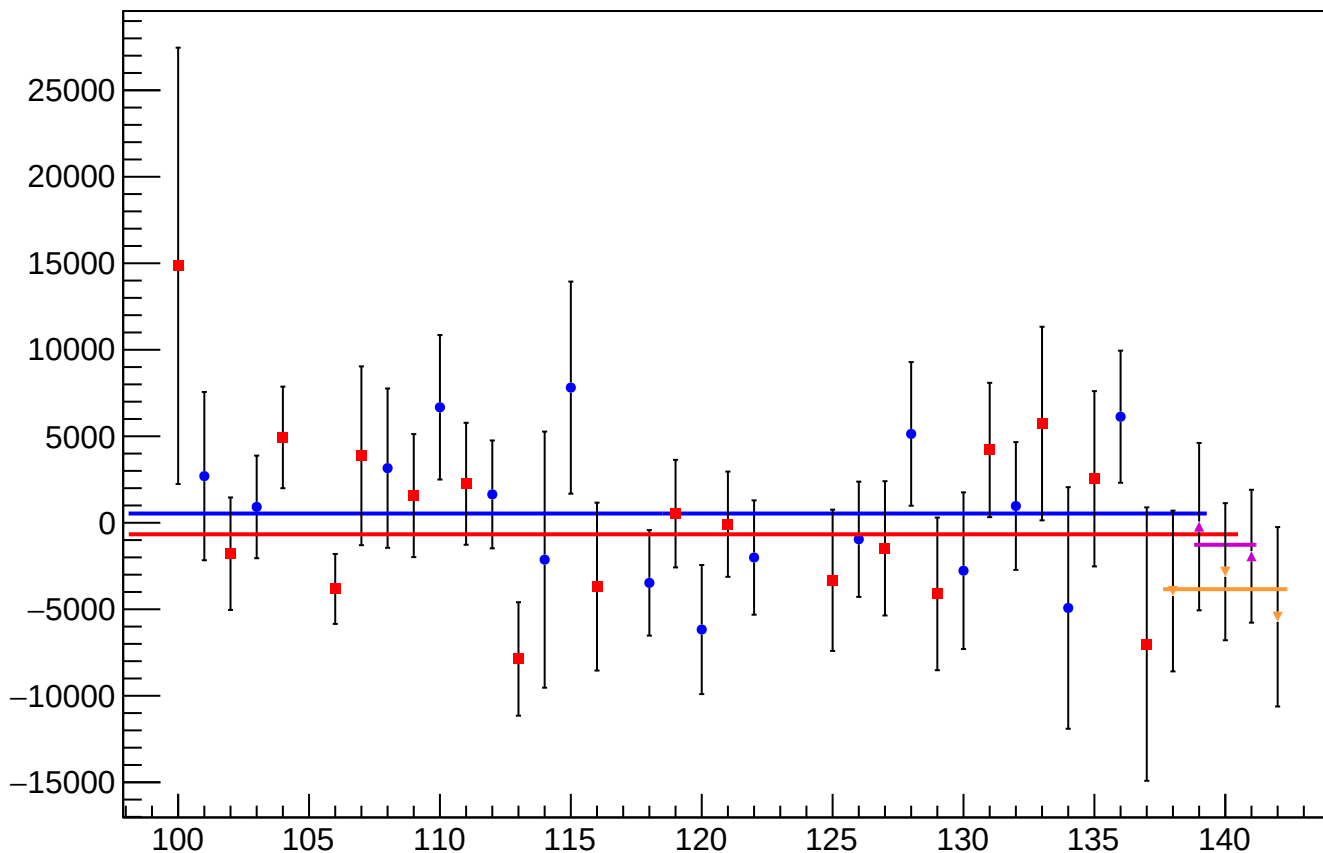
Left In: 1272.683 $\pm$ 0.685 χ^2 /NDF:2127.1/1

+ sign 913.224 $\pm$ 0.217 χ^2 /NDF: 809263.1/18

All: 899.981 $\pm$ 0.152 χ^2 /NDF: 1477861.1/38

- sign 887.133 $\pm$ 0.214 χ^2 /NDF: 661246.2/19

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507 $\pm$ 981.290 χ^2 /NDF: 14.7/15

Left Out: -3837.763 $\pm$ 2606.087 χ^2 /NDF: 0.2/2

Right Out: -665.878 $\pm$ 864.970 χ^2 /NDF: 20.0/17

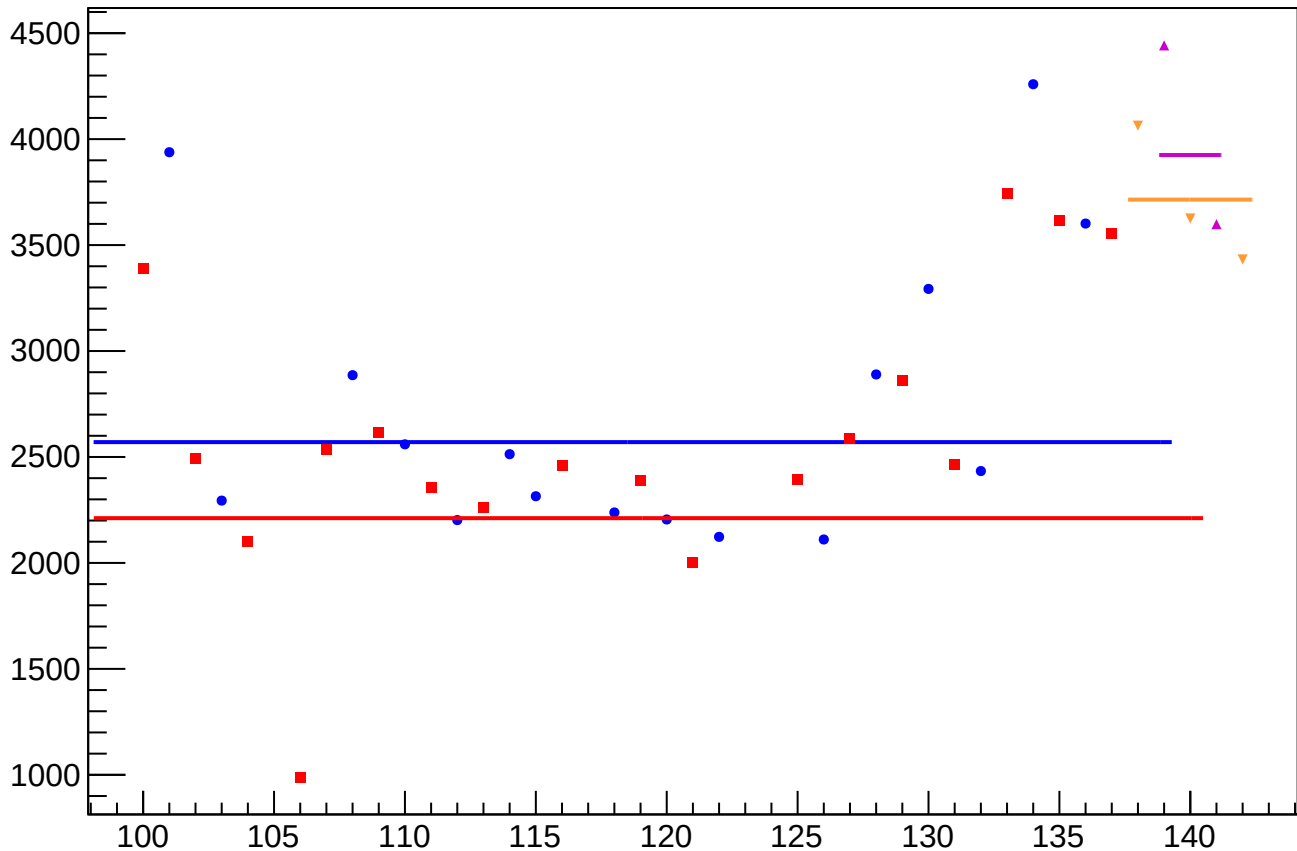
Left In: -1272.122 $\pm$ 3007.420 χ^2 /NDF: 0.1/1

+ sign -8.420 $\pm$ 918.346 χ^2 /NDF: 17.3/18

All: -395.247 $\pm$ 616.288 χ^2 /NDF: 37.7/38

- sign -712.196 $\pm$ 831.271 χ^2 /NDF: 20.1/19

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF : 662477.9/15

Left Out: 3714.528+/-1.843 χ^2/NDF : 18230.3/2

+ sign 2712.240+/-0.649 χ^2/NDF : 1018477.5/18

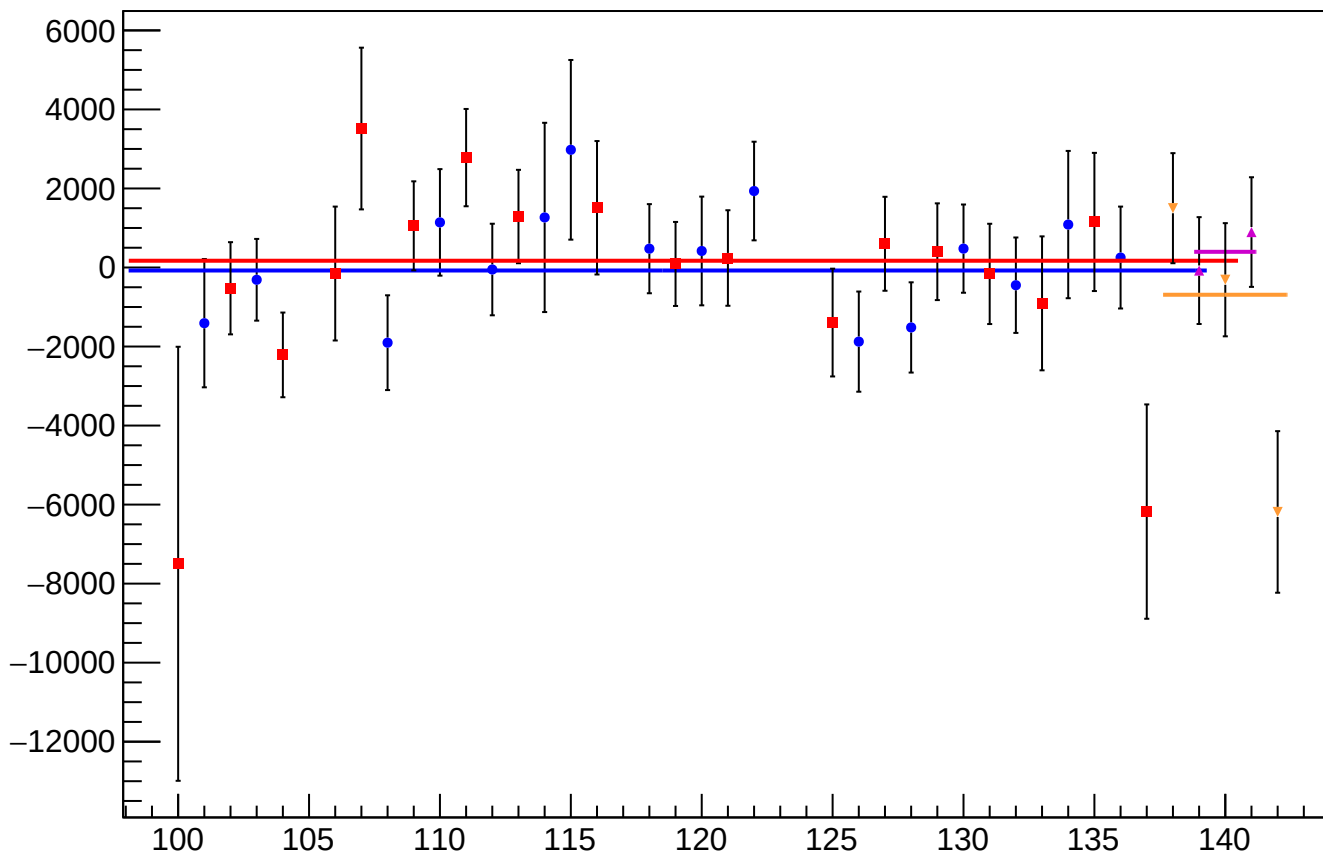
Right Out: 2211.269+/-0.612 χ^2/NDF : 1264087.9/17

All: 2508.847+/-0.436 χ^2/NDF : 3098139.5/38

Left In: 3924.953+/-2.127 χ^2/NDF : 37314.7/1

- sign 2342.196+/-0.588 χ^2/NDF : 1901175.1/19

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022 ± 326.226 χ^2/NDF : 13.3/15

Left Out: -689.857 ± 897.152 χ^2/NDF : 9.8/2

Right Out: 170.982 ± 321.832 χ^2/NDF : 24.4/17

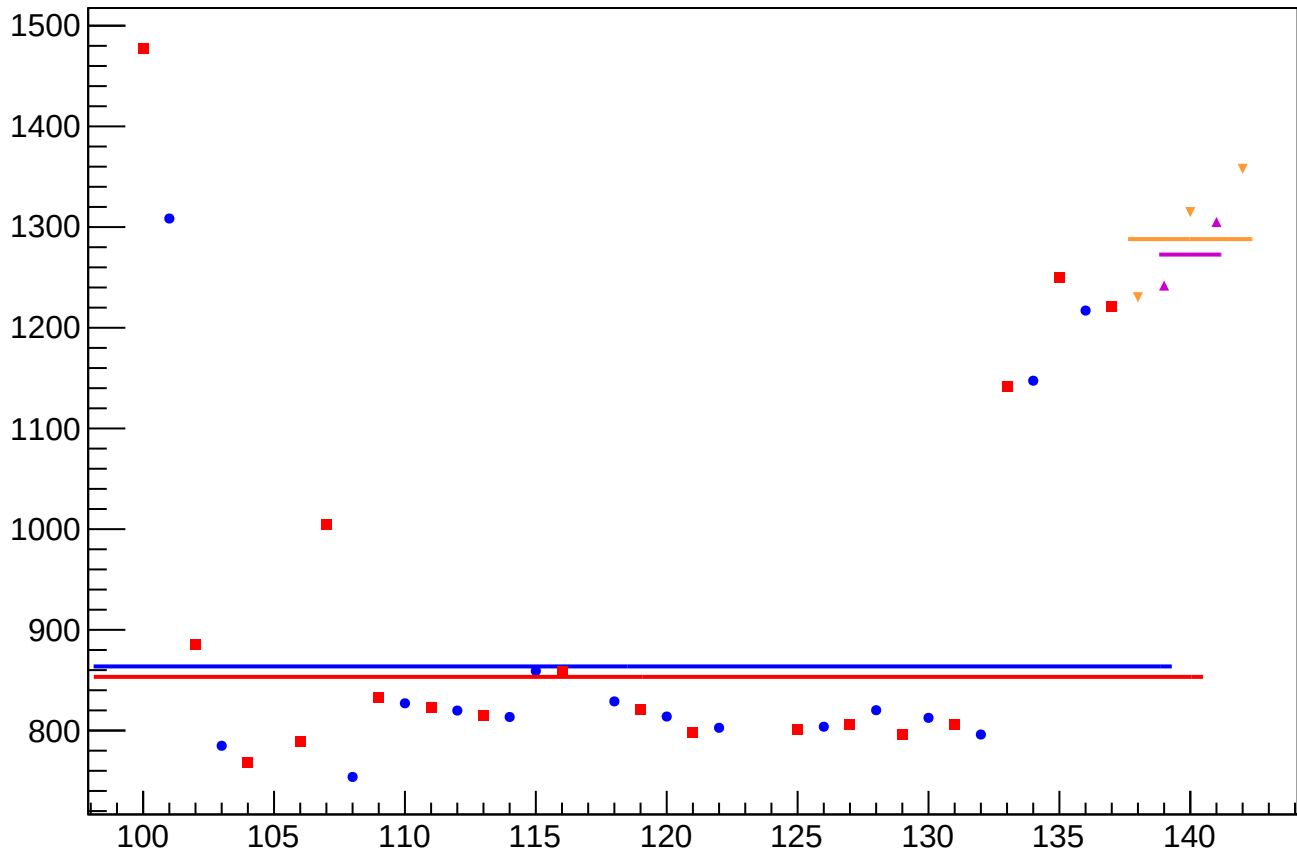
Left In: 396.815 ± 968.181 χ^2/NDF : 0.3/1

+ sign -147.707 ± 306.587 χ^2/NDF : 23.5/18

All: 23.534 ± 216.369 χ^2/NDF : 48.8/38

- sign 193.453 ± 305.401 χ^2/NDF : 24.7/19

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF : 407498.5/15

Left Out: 1288.066+/-0.634 χ^2/NDF : 6464.6/2

Right Out: 853.289+/-0.226 χ^2/NDF : 275357.1/17

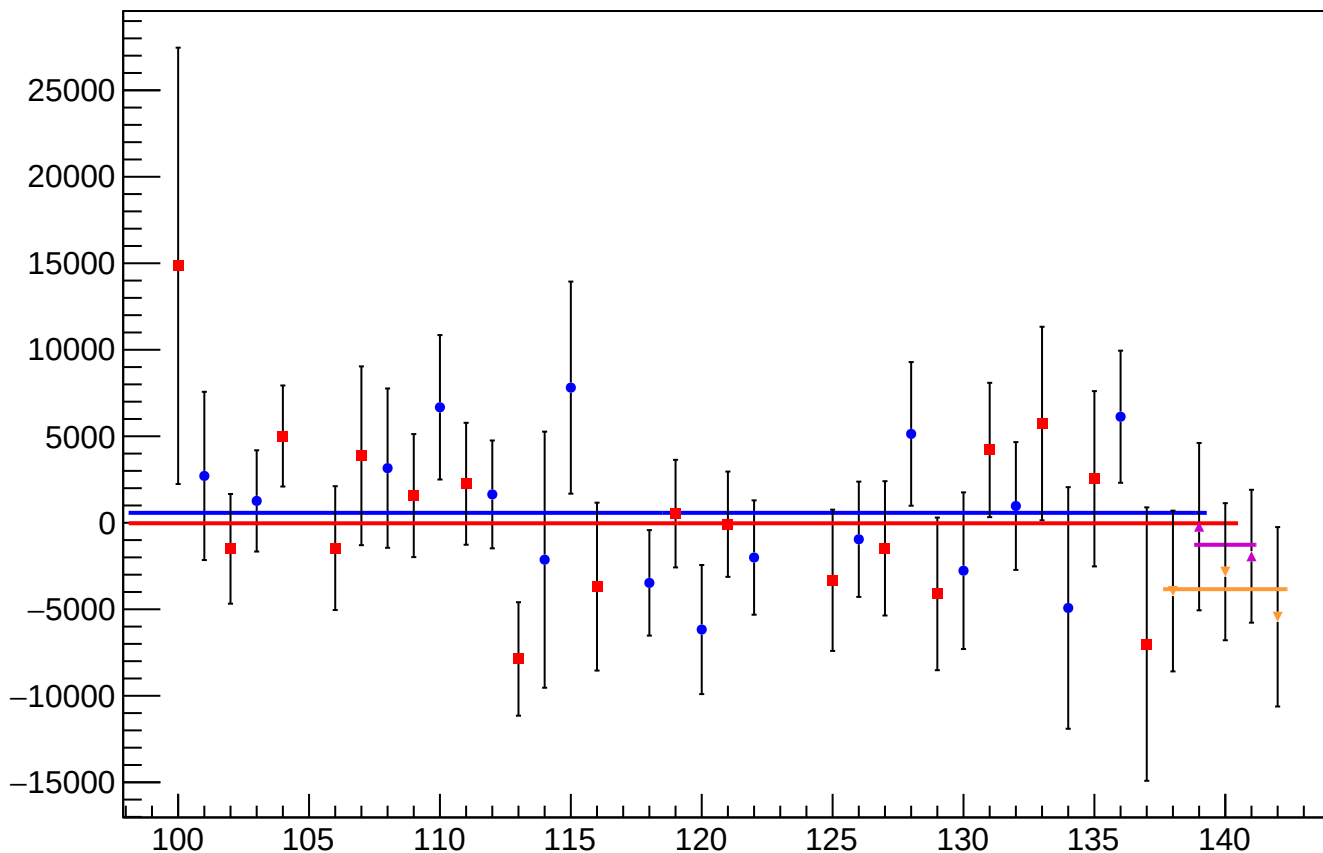
Left In: 1272.683+/-0.685 χ^2/NDF : 2127.1/1

+ sign 913.224+/-0.217 χ^2/NDF : 809262.9/18

All: 903.849+/-0.153 χ^2/NDF : 1428746.9/38

- sign 894.632+/-0.215 χ^2/NDF : 615775.2/19

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964 ± 979.856 χ^2/NDF : 14.7/15

Left Out: -3838.045 ± 2606.092 χ^2/NDF : 0.2/2

Right Out: -28.604 ± 922.115 χ^2/NDF : 17.2/17

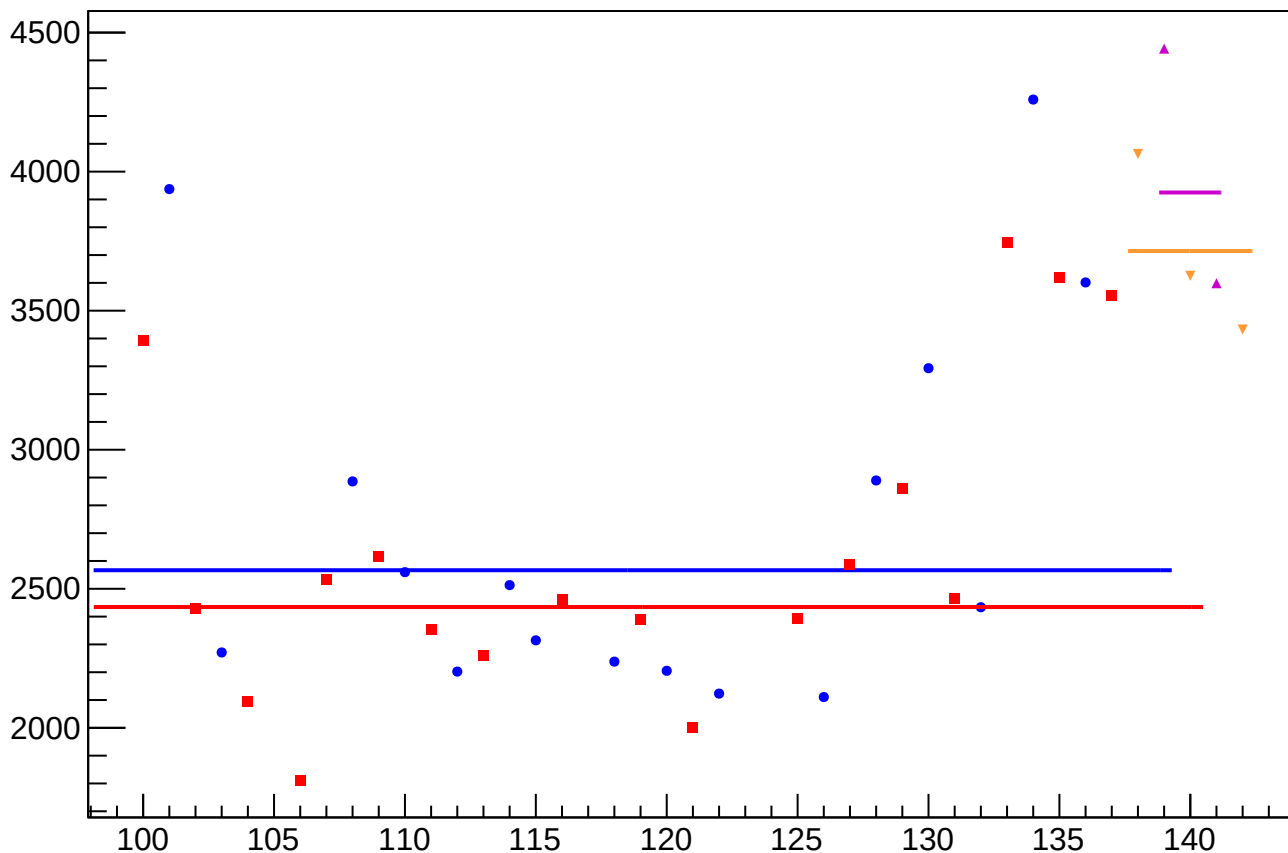
Left In: -1272.185 ± 3007.418 χ^2/NDF : 0.1/1

+ sign 28.382 ± 917.170 χ^2/NDF : 17.4/18

All: -56.782 ± 635.590 χ^2/NDF : 34.8/38

- sign -135.469 ± 881.605 χ^2/NDF : 17.4/19

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732 $\pm$ 0.693 χ^2 /NDF: 665871.6/15

Left Out: 3714.536 $\pm$ 1.843 χ^2 /NDF: 18228.7/2

+ sign 2708.896 $\pm$ 0.649 χ^2 /NDF: 1024007.8/18

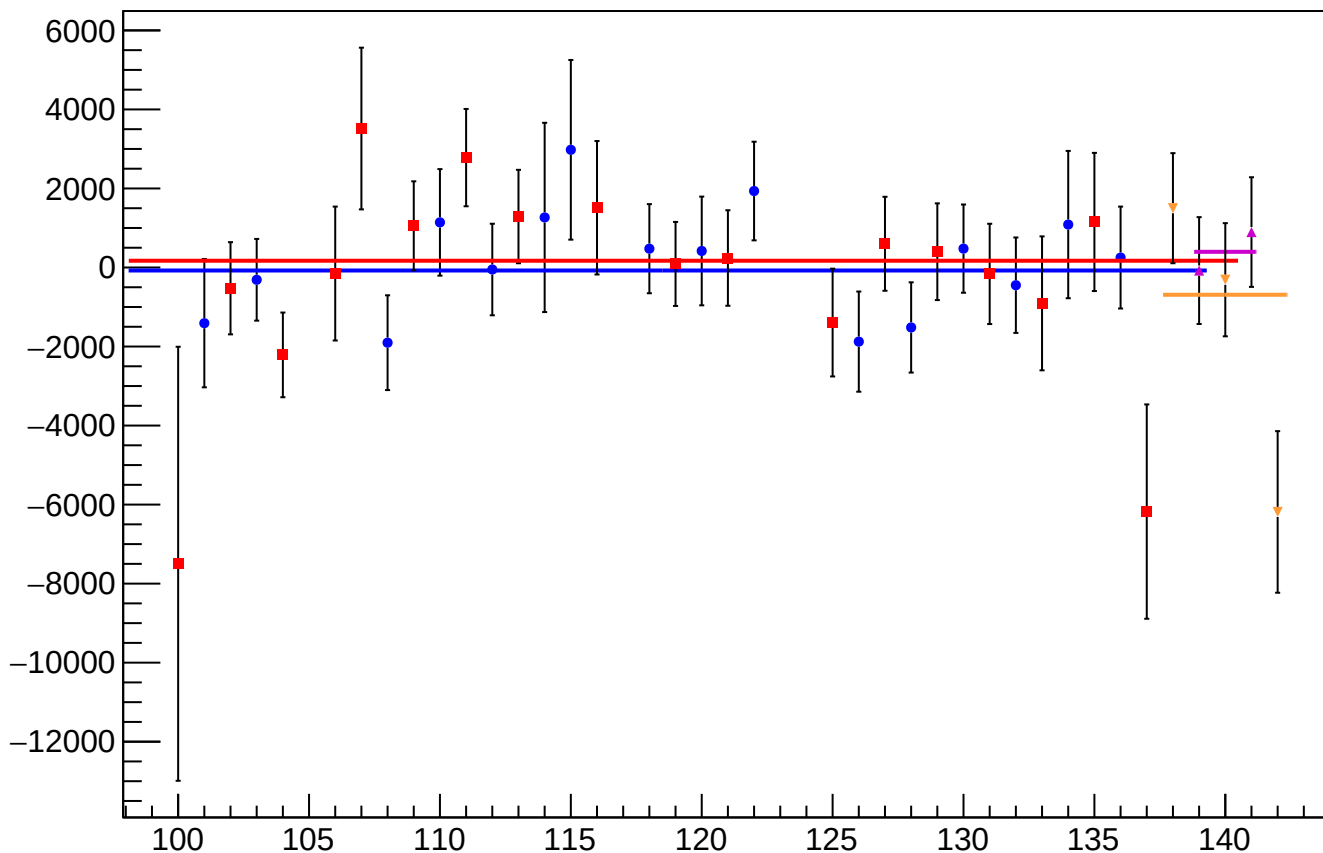
Right Out: 2434.430 $\pm$ 0.652 χ^2 /NDF: 434078.9/17

All: 2632.812 $\pm$ 0.449 χ^2 /NDF: 1970931.0/38

- sign 2562.515 $\pm$ 0.623 χ^2 /NDF: 920444.0/19

Left In: 3924.949 $\pm$ 2.127 χ^2 /NDF: 37314.3/1

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022 ± 326.226 χ^2/NDF : 13.3/15

Left Out: -689.857 ± 897.152 χ^2/NDF : 9.8/2

Right Out: 170.982 ± 321.832 χ^2/NDF : 24.4/17

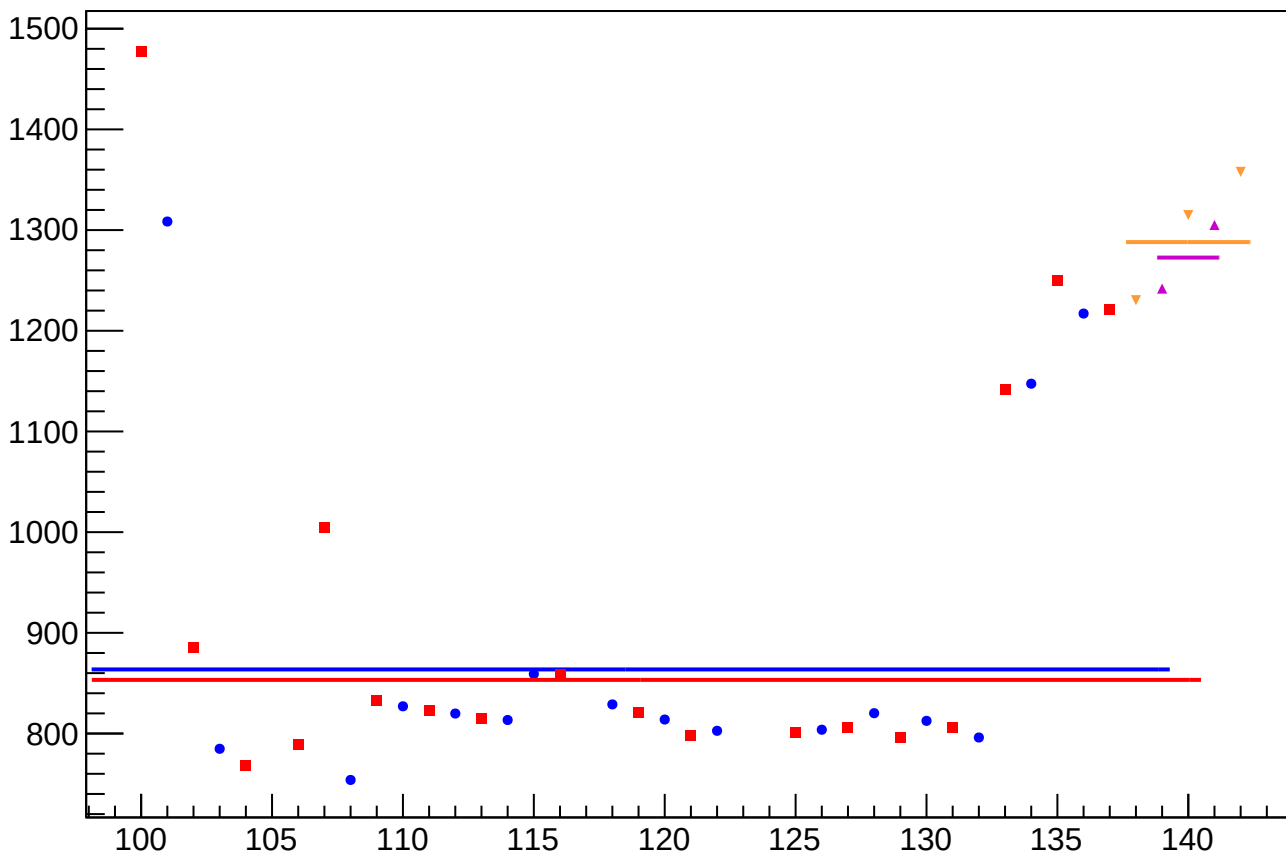
Left In: 396.815 ± 968.181 χ^2/NDF : 0.3/1

+ sign -147.707 ± 306.587 χ^2/NDF : 23.5/18

All: 23.534 ± 216.369 χ^2/NDF : 48.8/38

- sign 193.453 ± 305.401 χ^2/NDF : 24.7/19

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF : 407498.5/15

Left Out: 1288.066+/-0.634 χ^2/NDF : 6464.6/2

Right Out: 853.289+/-0.226 χ^2/NDF : 275357.1/17

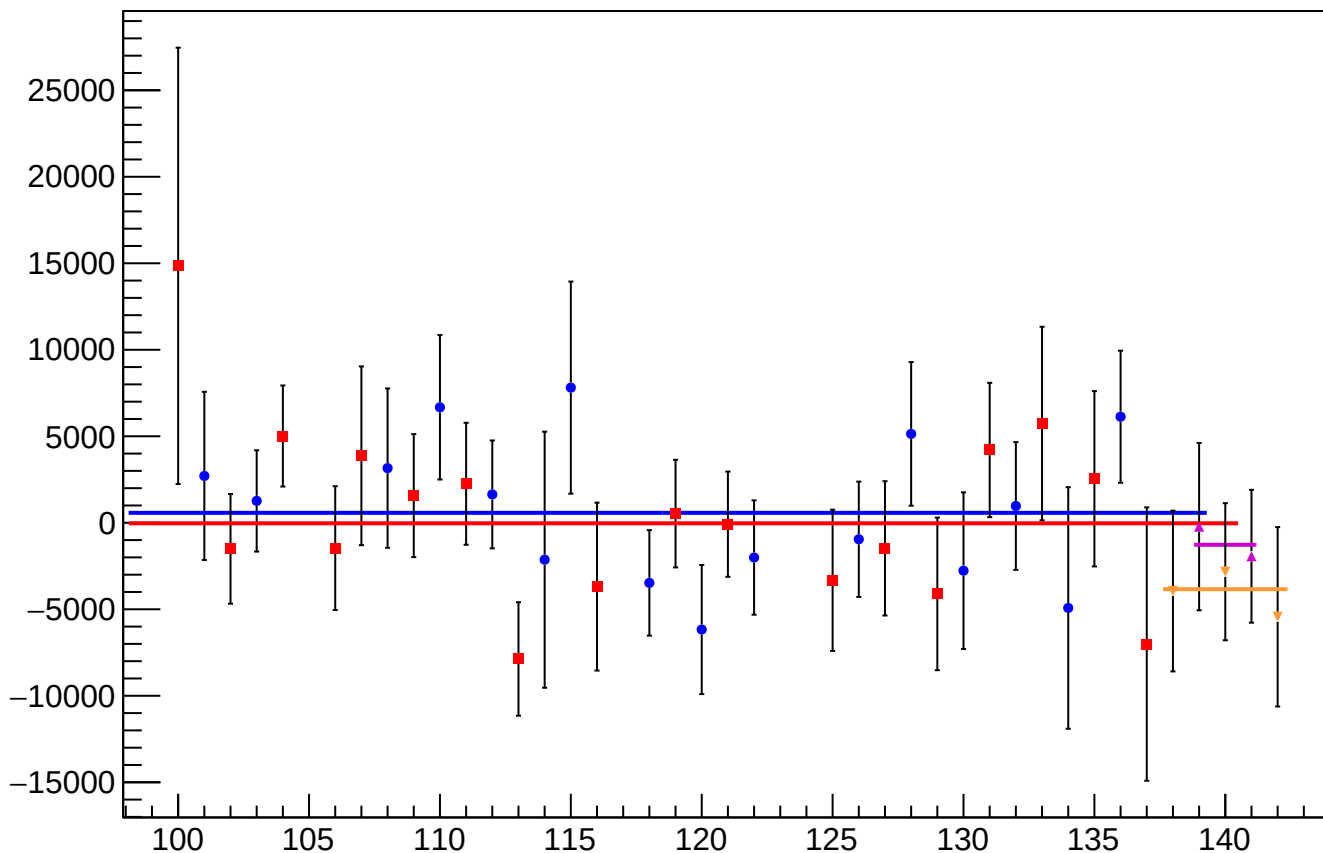
Left In: 1272.683+/-0.685 χ^2/NDF : 2127.1/1

+ sign 913.224+/-0.217 χ^2/NDF : 809262.9/18

All: 903.849+/-0.153 χ^2/NDF : 1428746.9/38

- sign 894.632+/-0.215 χ^2/NDF : 615775.2/19

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug



Right In: 574.964 ± 979.856 χ^2/NDF : 14.7/15

Left Out: -3838.045 ± 2606.092 χ^2/NDF : 0.2/2

Right Out: -28.604 ± 922.115 χ^2/NDF : 17.2/17

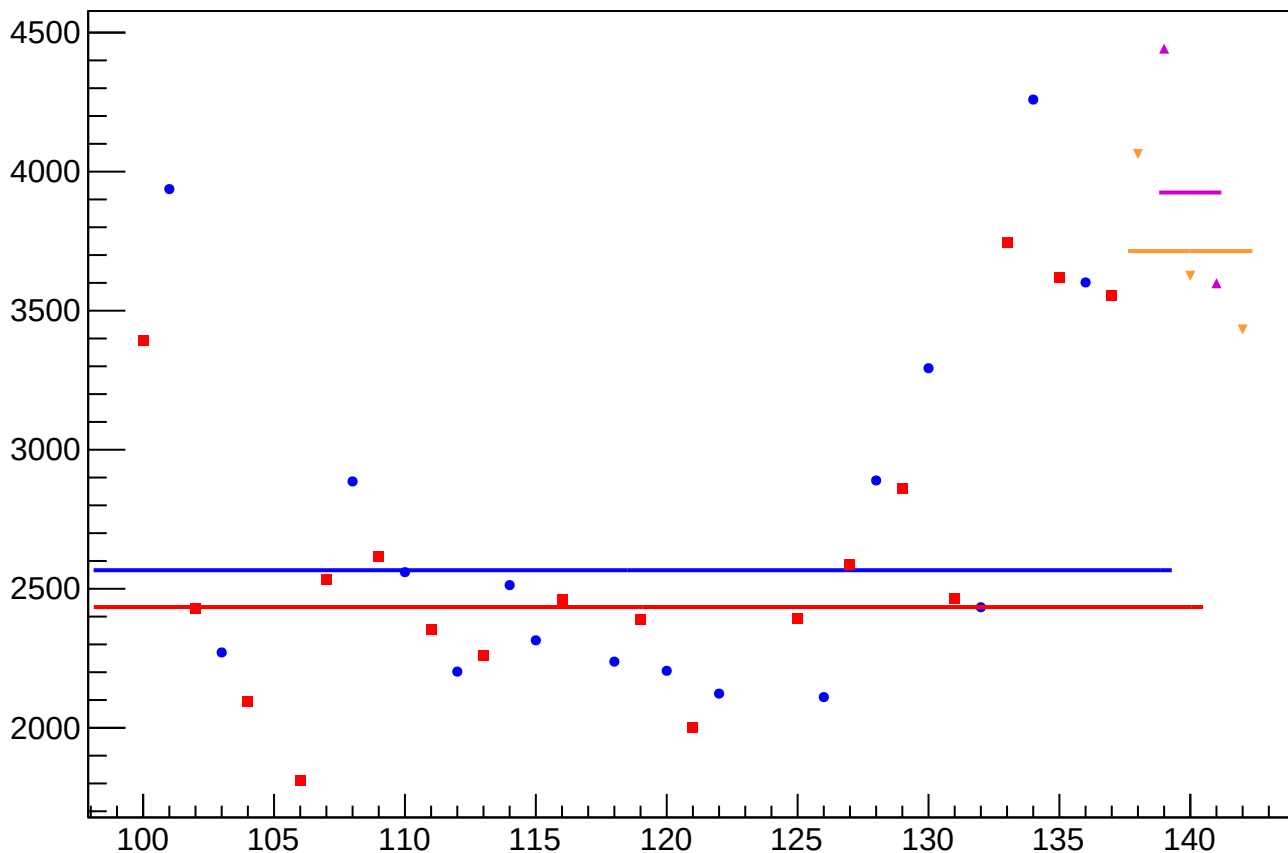
Left In: -1272.185 ± 3007.418 χ^2/NDF : 0.1/1

+ sign 28.382 ± 917.170 χ^2/NDF : 17.4/18

All: -56.782 ± 635.590 χ^2/NDF : 34.8/38

- sign -135.469 ± 881.605 χ^2/NDF : 17.4/19

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: 3714.536 $\pm$ 1.843 χ^2 /NDF: 18228.7/2

Right Out: 2434.430 $\pm$ 0.652 χ^2 /NDF: 434078.9/17

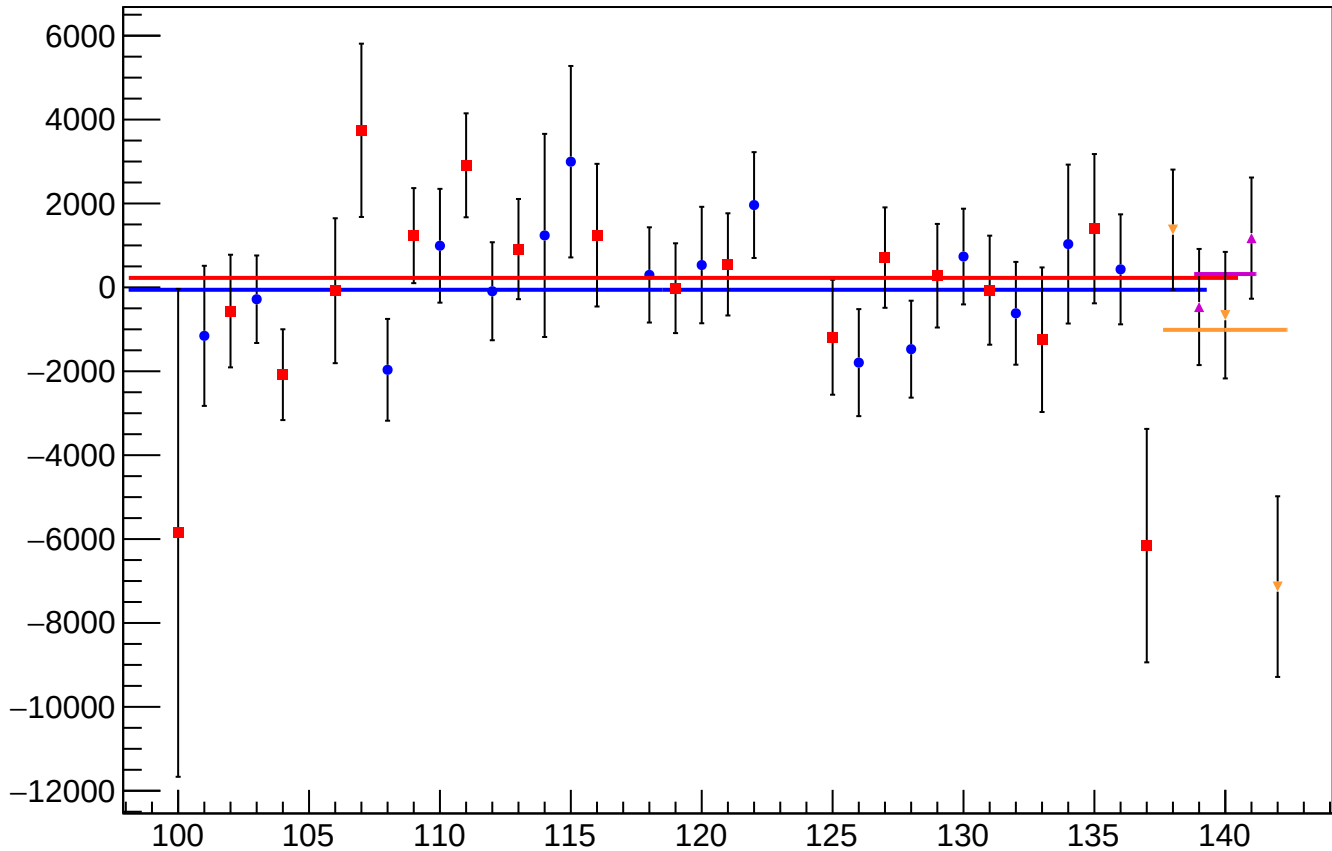
Left In: 3924.949 $\pm$ 2.127 χ^2 /NDF: 37314.3/1

+ sign 2708.896 $\pm$ 0.649 χ^2 /NDF: 1024007.8/18

All: 2632.812 $\pm$ 0.449 χ^2 /NDF: 1970931.0/38

- sign 2562.515 $\pm$ 0.623 χ^2 /NDF: 920444.0/19

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208 ± 330.088 χ^2/NDF : 13.0/15

Left Out: -1012.327 ± 935.164 χ^2/NDF : 10.9/2

Right Out: 226.075 ± 328.069 χ^2/NDF : 22.9/17

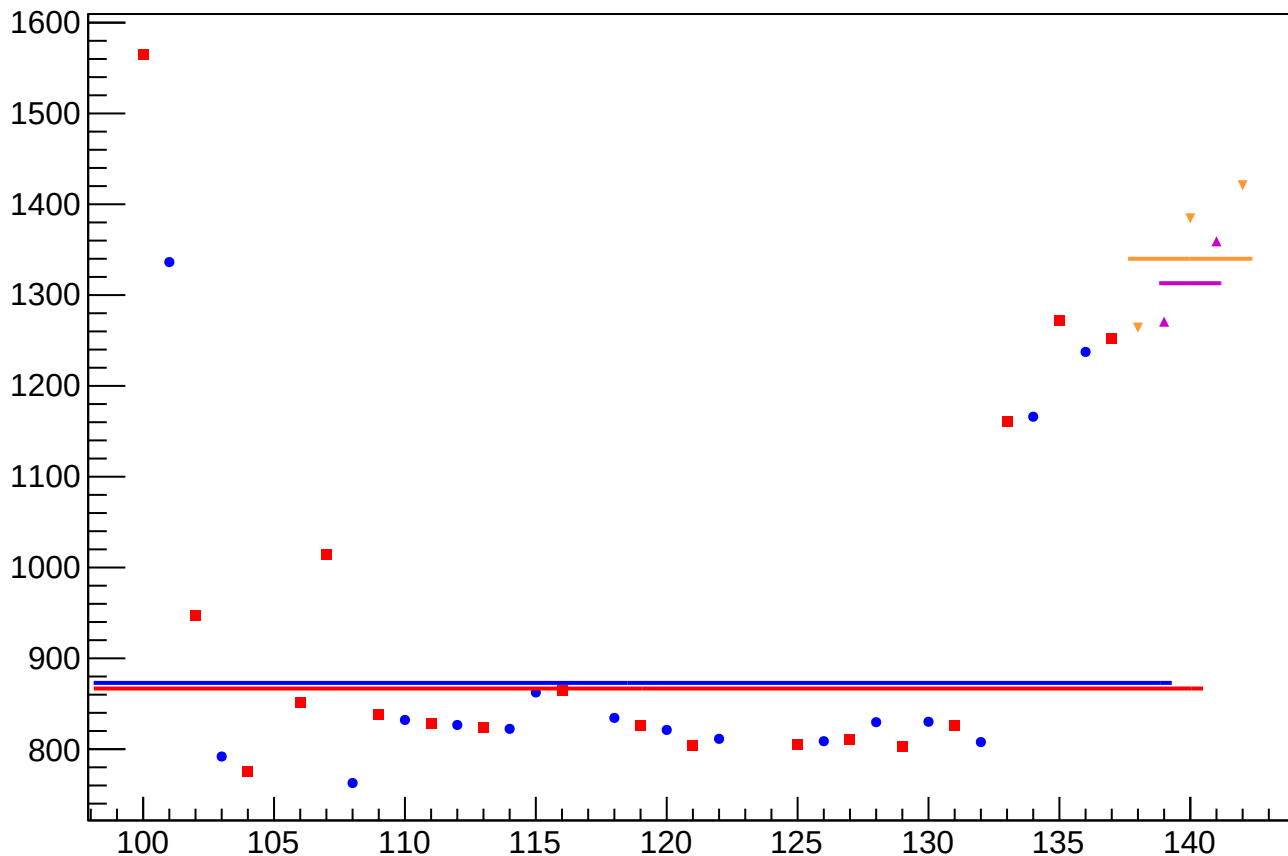
Left In: 318.081 ± 999.569 χ^2/NDF : 0.7/1

+ sign -163.023 ± 311.267 χ^2/NDF : 24.8/18

All: 35.717 ± 220.255 χ^2/NDF : 49.2/38

- sign 235.022 ± 311.709 χ^2/NDF : 23.6/19

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF : 417099.2/15

Left Out: 1339.983+/-0.661 χ^2/NDF : 10180.7/2

Right Out: 866.772+/-0.232 χ^2/NDF : 290386.4/17

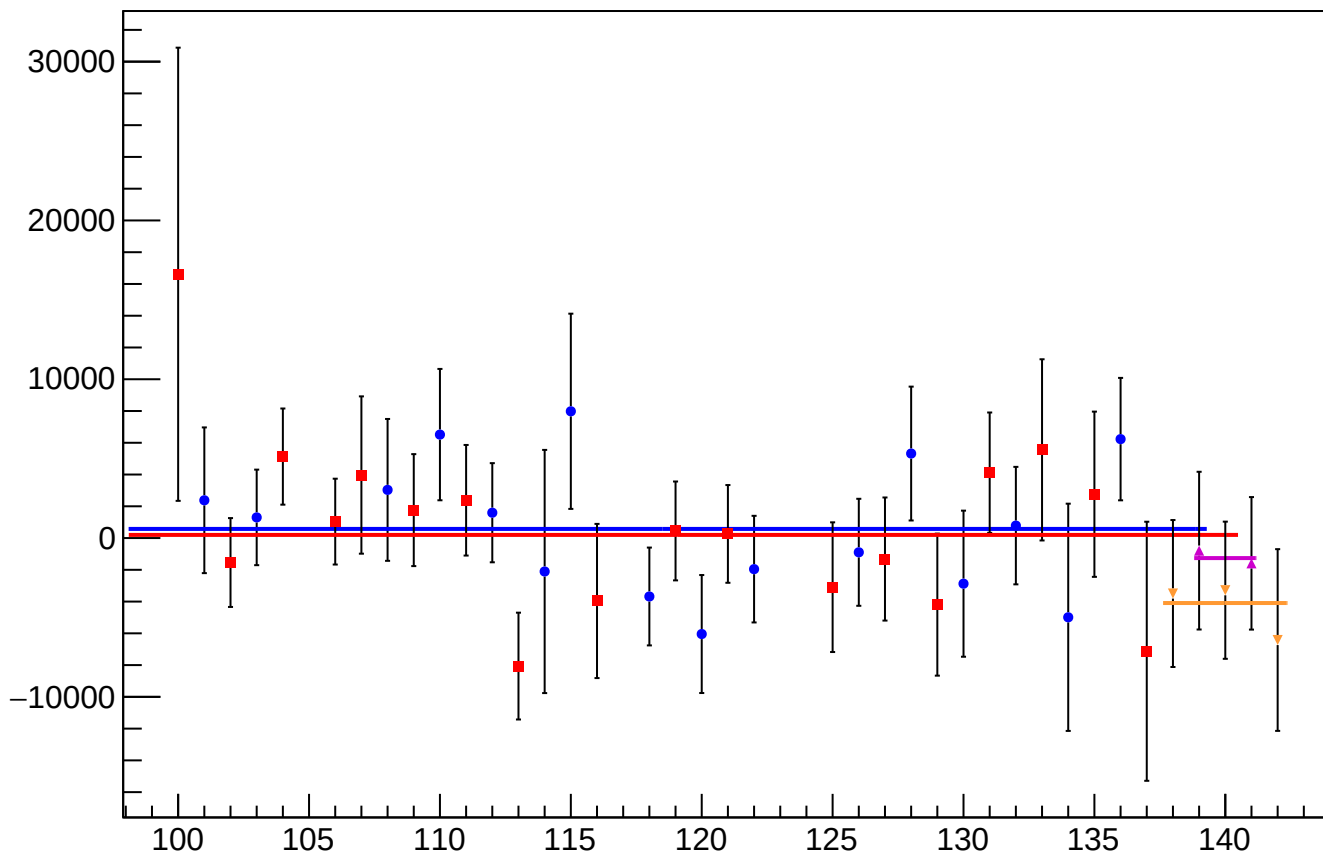
Left In: 1313.081+/-0.707 χ^2/NDF : 3911.4/1

+ sign 924.710+/-0.220 χ^2/NDF : 870802.6/18

All: 917.407+/-0.156 χ^2/NDF : 1527325.5/38

- sign 910.096+/-0.220 χ^2/NDF : 654319.8/19

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF : 14.7/15

Left Out: -4091.382+/-2764.309 χ^2/NDF : 0.2/2

Right Out: 197.953+/-894.121 χ^2/NDF : 17.2/17

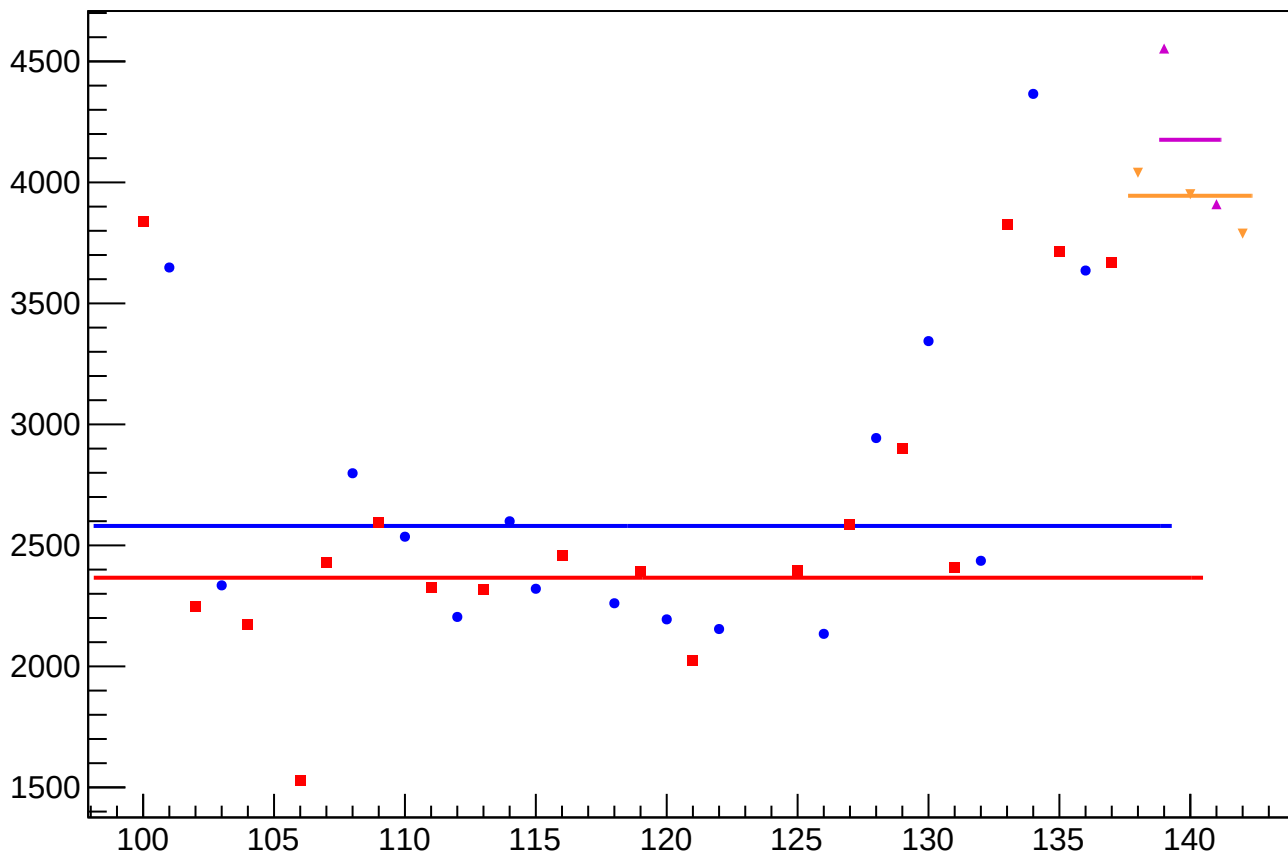
Left In: -1261.607+/-3194.469 χ^2/NDF : 0.0/1

+ sign 49.611+/-927.762 χ^2/NDF : 17.4/18

All: 72.339+/-631.114 χ^2/NDF : 34.8/38

- sign 91.916+/-861.030 χ^2/NDF : 17.4/19

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377 $\pm$ 0.696 χ^2/NDF : 617156.1/15

Left Out: 3944.805 $\pm$ 1.955 χ^2/NDF :2345.2/2

Right Out: 2366.412 $\pm$ 0.632 χ^2/NDF : 611695.1/17

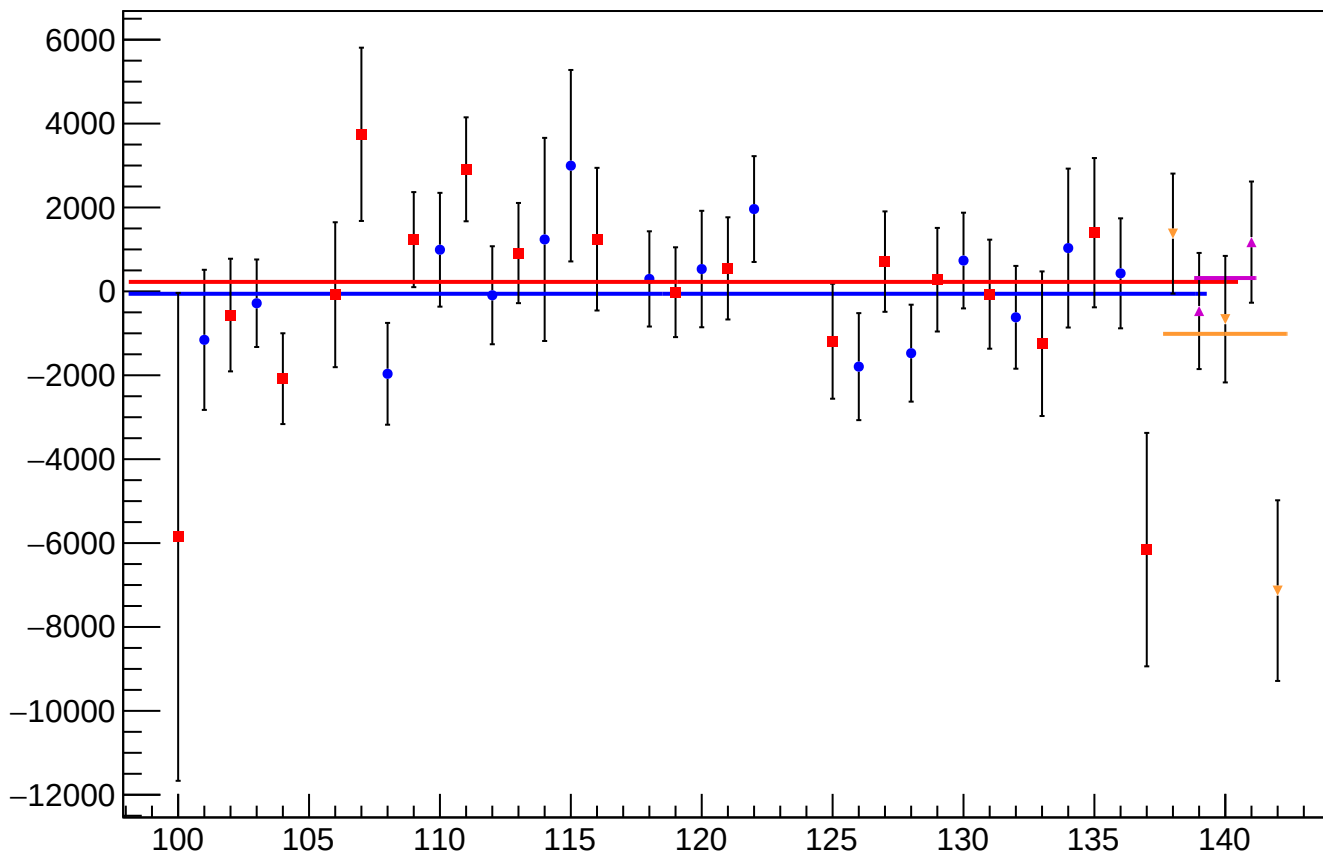
Left In: 4176.145 $\pm$ 2.259 χ^2/NDF :19674.0/1

+ sign 2734.068 $\pm$ 0.656 χ^2/NDF : 1051872.6/18

All: 2607.181 $\pm$ 0.446 χ^2/NDF : 2348132.1/38

- sign 2497.890 $\pm$ 0.609 χ^2/NDF : 1226626.4/19

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211 $\pm$ 330.088 χ^2 /NDF: 13.0/15

Left Out: -1012.338 $\pm$ 935.164 χ^2 /NDF:10.9/2

Right Out: 226.078 $\pm$ 328.069 χ^2 /NDF: 22.9/17

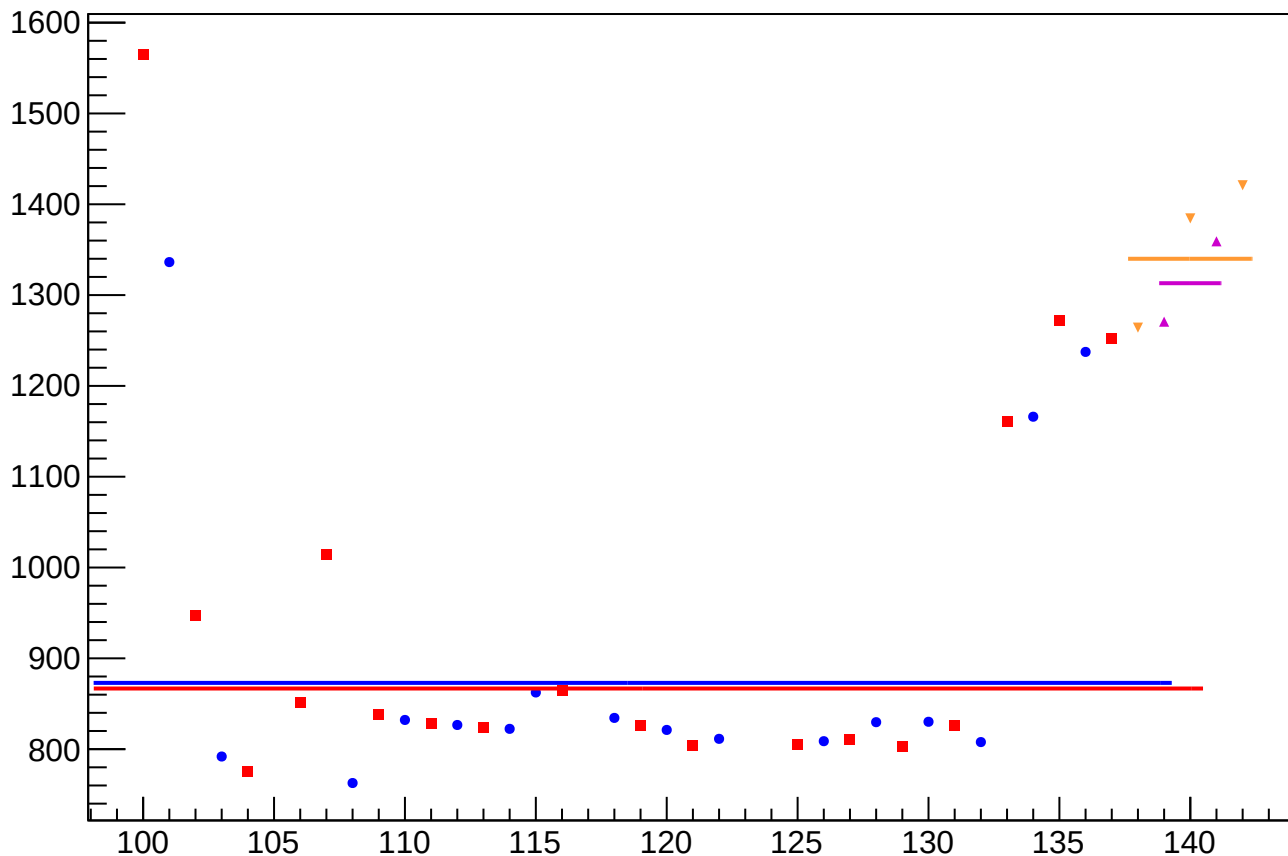
Left In: 318.079 $\pm$ 999.570 χ^2 /NDF:0.7/1

+ sign -163.026 $\pm$ 311.267 χ^2 /NDF: 24.8/18

All: 35.716 $\pm$ 220.255 χ^2 /NDF: 49.2/38

- sign 235.025 $\pm$ 311.709 χ^2 /NDF: 23.6/19

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972 $\pm$ 0.233 χ^2 /NDF: 417098.9/15

Left Out: 1339.984 $\pm$ 0.661 χ^2 /NDF:10181.0/2

Right Out: 866.772 $\pm$ 0.232 χ^2 /NDF: 290386.6/17

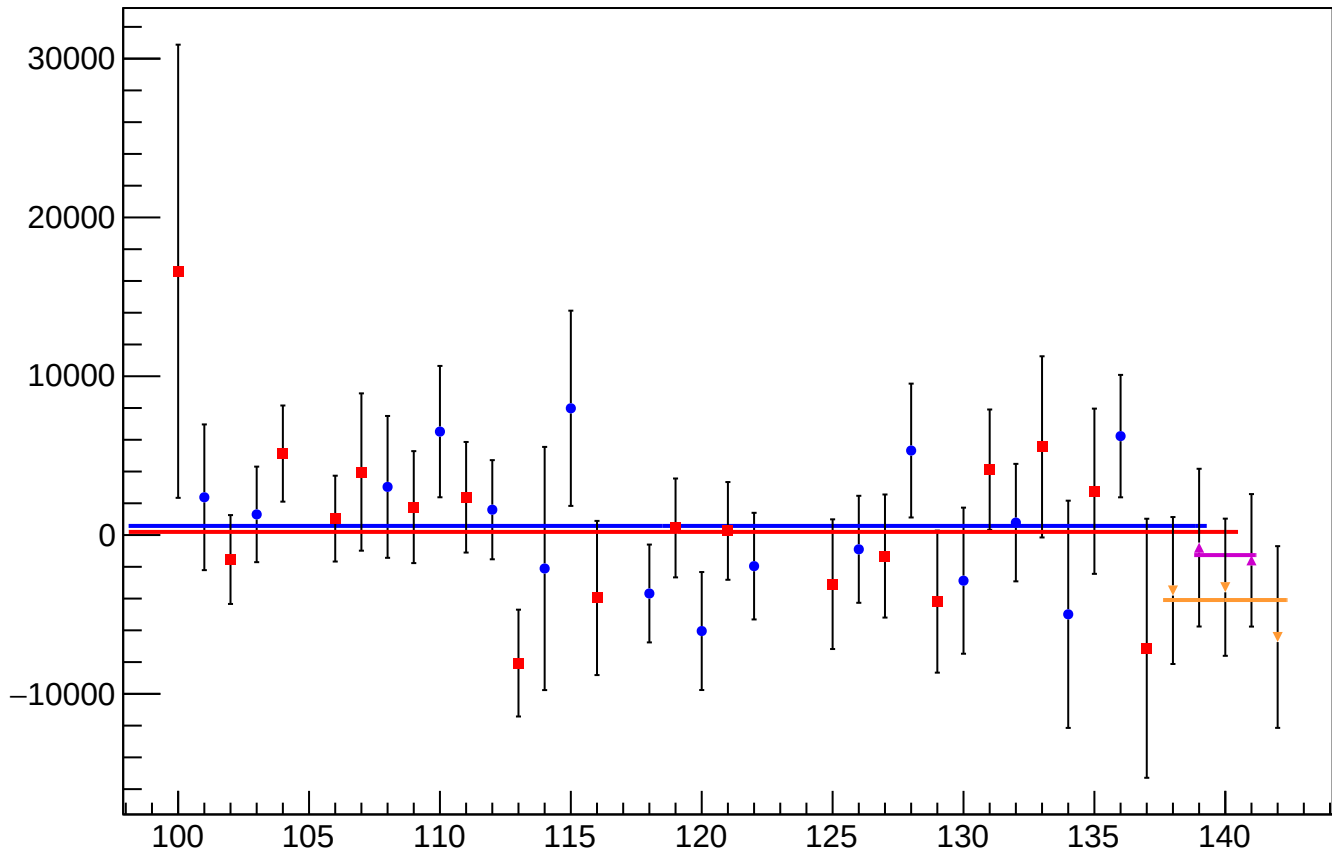
Left In: 1313.082 $\pm$ 0.707 χ^2 /NDF:3911.4/1

+ sign 924.711 $\pm$ 0.220 χ^2 /NDF: 870804.0/18

All: 917.407 $\pm$ 0.156 χ^2 /NDF: 1527328.4/38

- sign 910.097 $\pm$ 0.220 χ^2 /NDF: 654321.3/19

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: -4091.402 $\pm$ 2764.318 χ^2 /NDF:0.2/2

Right Out: 197.955 $\pm$ 894.119 χ^2 /NDF: 17.2/17

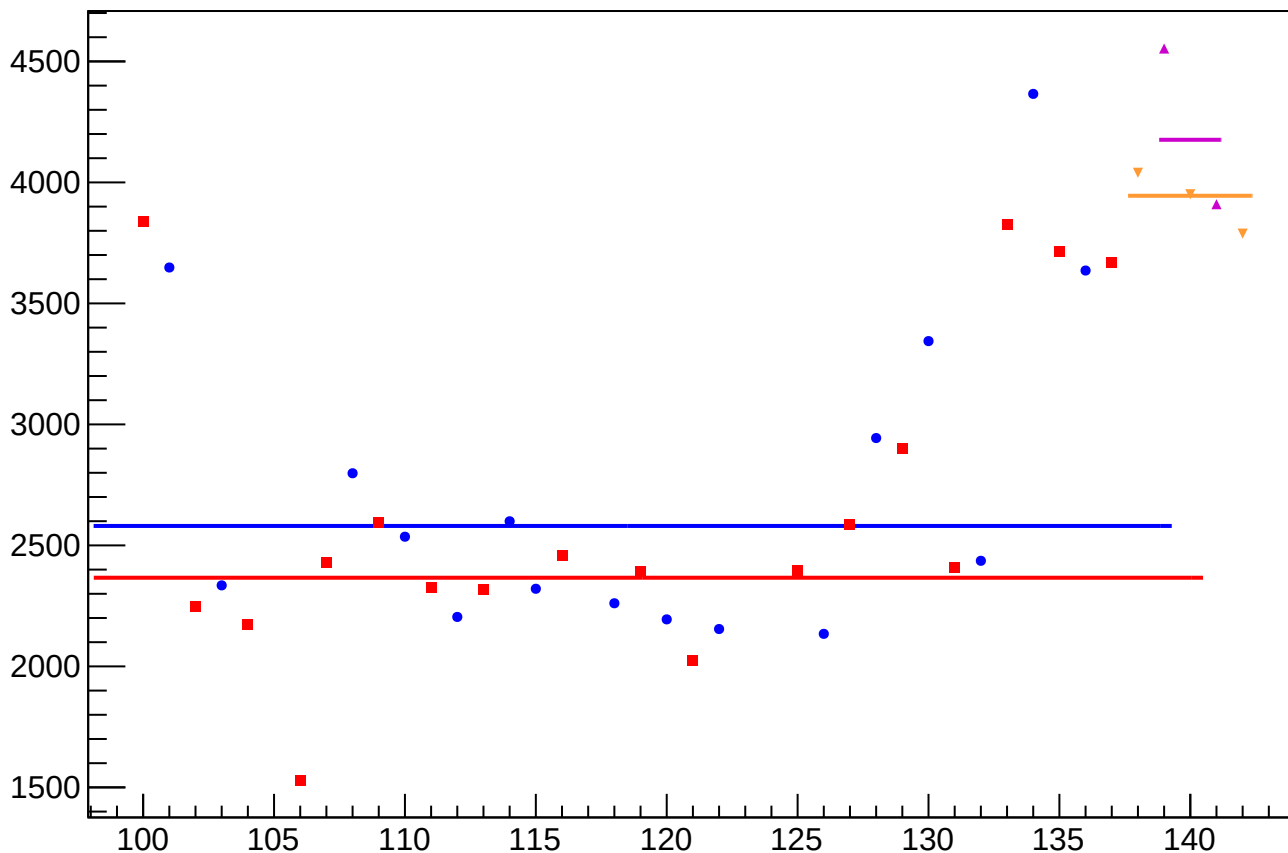
Left In: -1261.609 $\pm$ 3194.477 χ^2 /NDF:0.0/1

+ sign 49.610 $\pm$ 927.759 χ^2 /NDF: 17.4/18

All: 72.340 $\pm$ 631.113 χ^2 /NDF: 34.8/38

- sign 91.918 $\pm$ 861.028 χ^2 /NDF: 17.4/19

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF : 617163.3/15

Left Out: 3944.816+/-1.955 χ^2/NDF : 2345.2/2

Right Out: 2366.405+/-0.632 χ^2/NDF : 611698.8/17

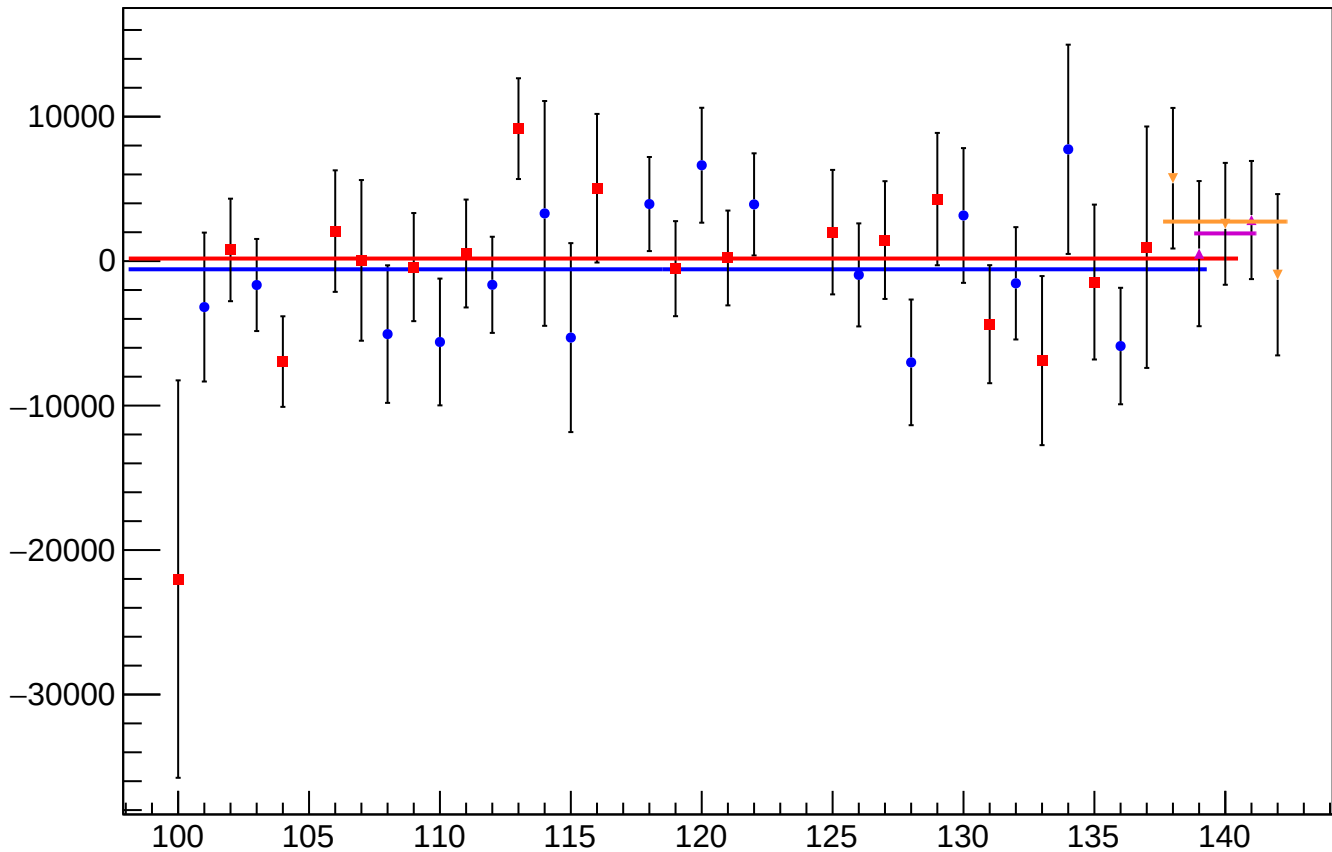
Left In: 4176.154+/-2.259 χ^2/NDF : 19674.7/1

+ sign 2734.061+/-0.656 χ^2/NDF : 1051890.5/18

All: 2607.173+/-0.446 χ^2/NDF : 2348162.7/38

- sign 2497.883+/-0.609 χ^2/NDF : 1226639.3/19

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096 ± 1040.314 χ^2/NDF : 16.2/15

Left Out: 2736.747 ± 2767.981 χ^2/NDF : 0.8/2

Right Out: 178.586 ± 988.392 χ^2/NDF : 19.5/17

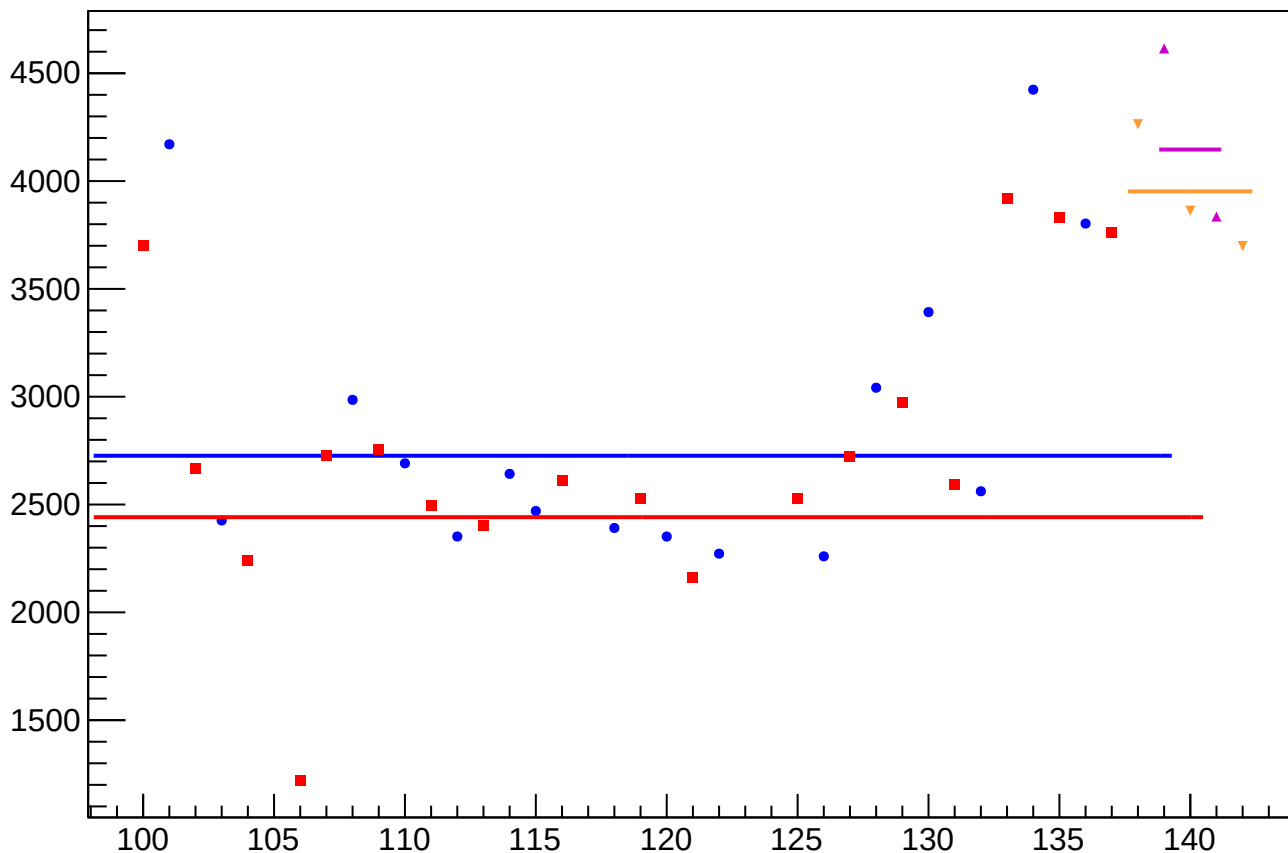
Left In: 1917.423 ± 3171.590 χ^2/NDF : 0.1/1

+ sign -157.299 ± 973.807 χ^2/NDF : 18.3/18

All: 95.313 ± 677.665 χ^2/NDF : 38.3/38

- sign 332.512 ± 943.632 χ^2/NDF : 19.9/19

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF : 623079.8/15

Left Out: 3952.189+/-1.957 χ^2/NDF :13214.6/2

Right Out: 2441.363+/-0.667 χ^2/NDF : 891132.7/17

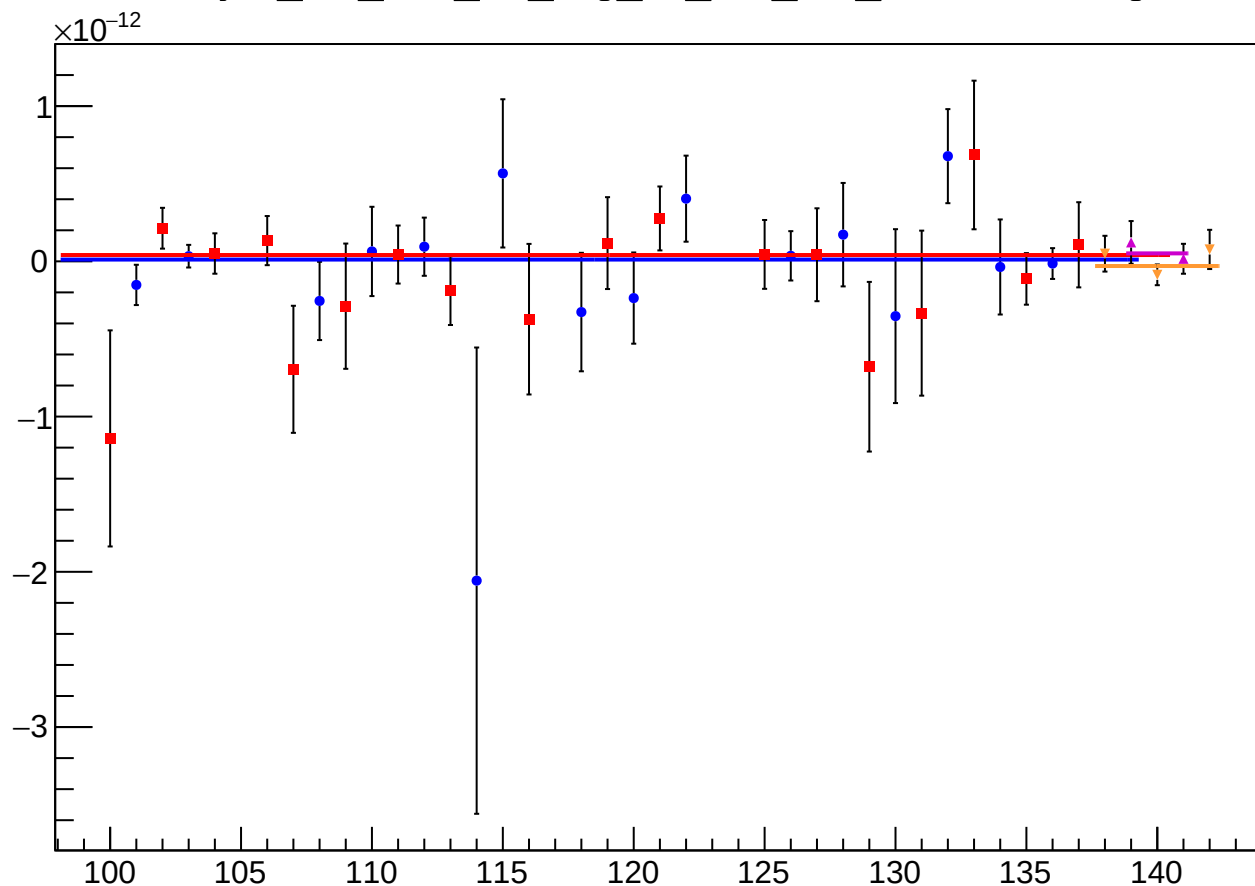
Left In: 4146.221+/-2.243 χ^2/NDF :28962.0/1

+ sign 2877.969+/-0.689 χ^2/NDF : 980068.2/18

All: 2717.875+/-0.468 χ^2/NDF : 2531750.7/38

- sign 2579.890+/-0.639 χ^2/NDF : 1451037.4/19

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 15.4/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.9/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 17.0/17

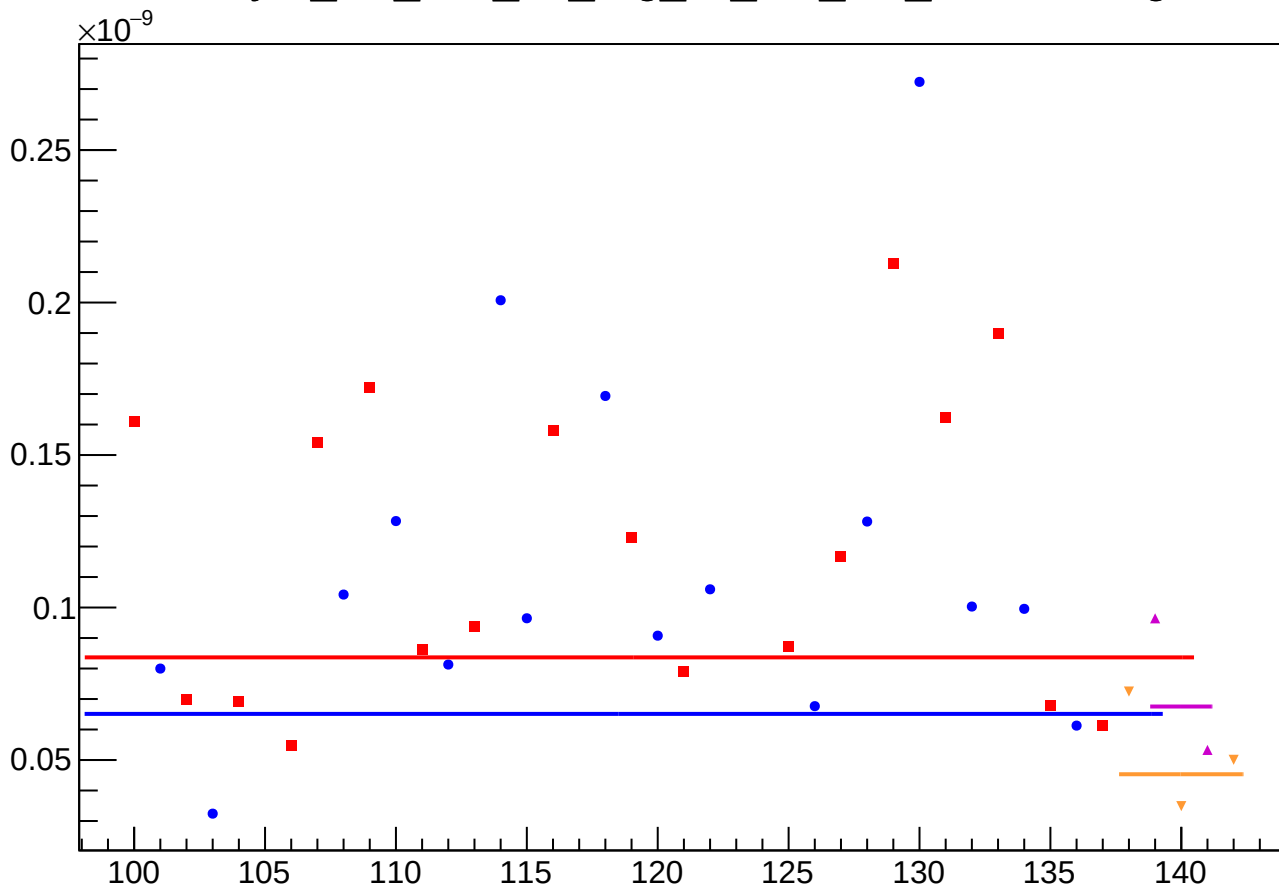
Left In: 0.000 ± 0.000 χ^2/NDF : 0.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 17.6/18

All: 0.000 ± 0.000 χ^2/NDF : 35.8/38

- sign 0.000 ± 0.000 χ^2/NDF : 17.4/19

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1222613.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 162386.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 691494.7/17

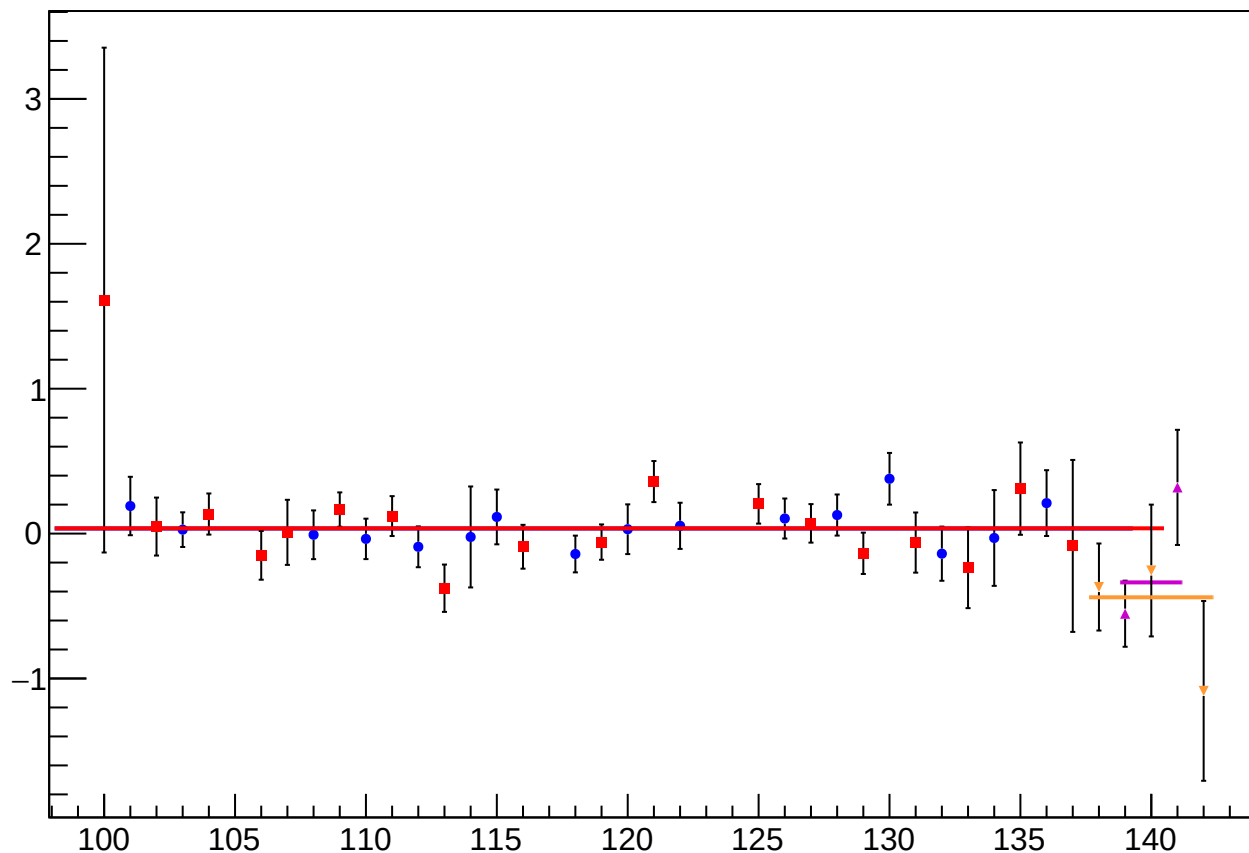
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 132148.1/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 1551342.4/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 2734942.9/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 880887.7/19

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.041 χ^2 /NDF: 9.8/15

Left Out: -0.440 $\pm$ 0.232 χ^2 /NDF:1.3/2

Right Out: 0.036 $\pm$ 0.039 χ^2 /NDF: 22.0/17

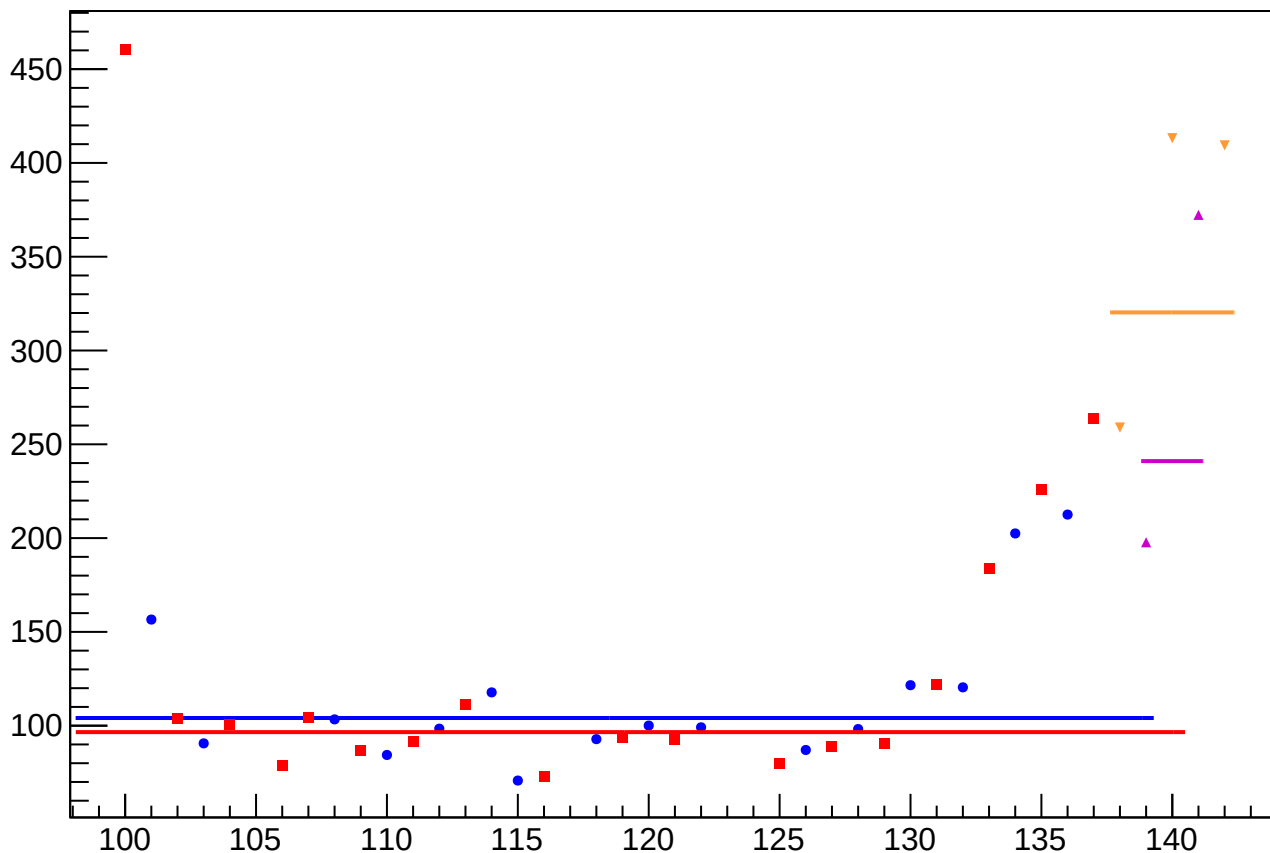
Left In: -0.337 $\pm$ 0.198 χ^2 /NDF:3.6/1

+ sign 0.021 $\pm$ 0.040 χ^2 /NDF: 15.1/18

All: 0.022 $\pm$ 0.028 χ^2 /NDF: 44.2/38

- sign 0.022 $\pm$ 0.038 χ^2 /NDF: 29.1/19

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099 $\pm$ 0.029 χ^2 /NDF: 989856.1/15

Left Out: 320.322 $\pm$ 0.164 χ^2 /NDF: 208087.4/2

Right Out: 96.569 $\pm$ 0.028 χ^2 /NDF: 955547.2/17

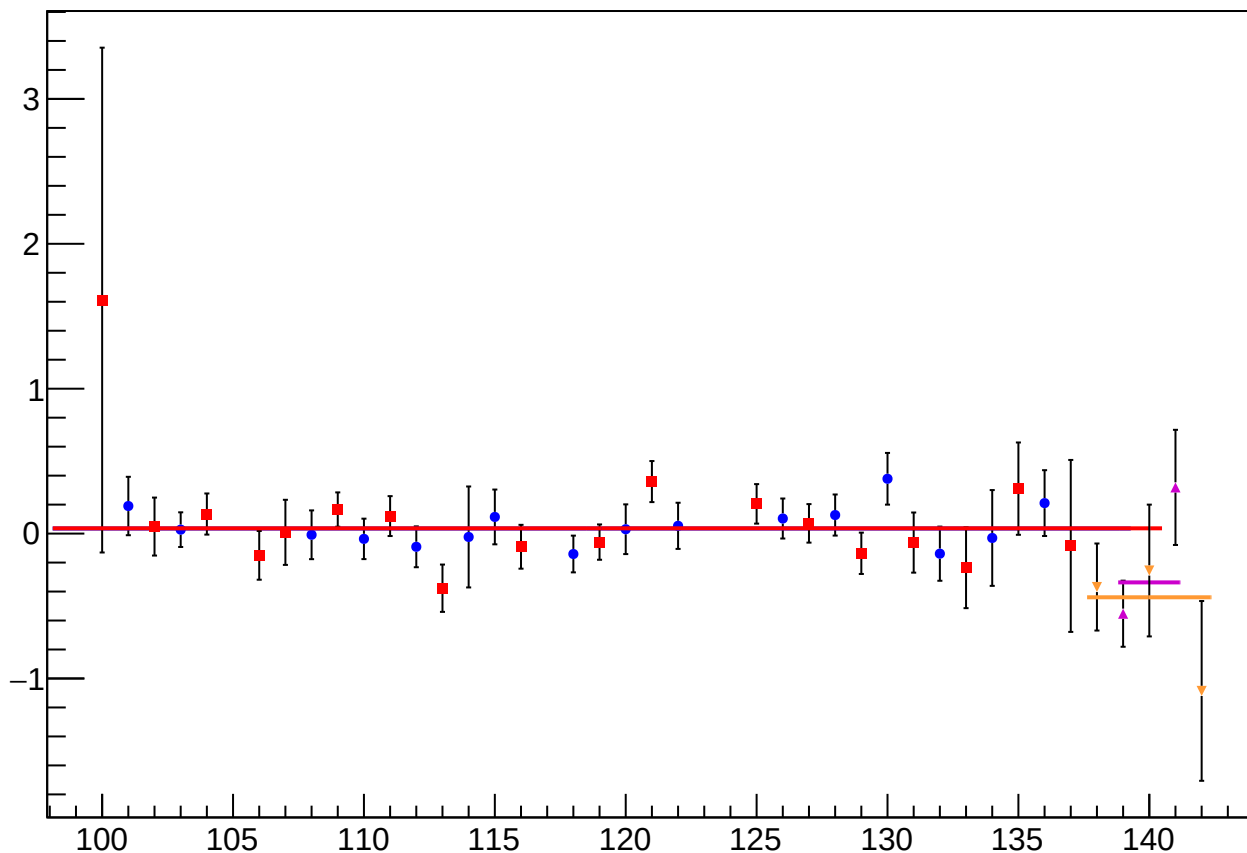
Left In: 241.042 $\pm$ 0.140 χ^2 /NDF: 290247.1/1

+ sign 110.636 $\pm$ 0.029 χ^2 /NDF: 2877205.6/18

All: 106.045 $\pm$ 0.020 χ^2 /NDF: 5198809.0/38

- sign 101.947 $\pm$ 0.027 χ^2 /NDF: 2272724.9/19

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: -0.440 $\pm$ 0.232 χ^2 /NDF:1.3/2

Right Out: 0.036 $\pm$ 0.039 χ^2 /NDF: 22.0/17

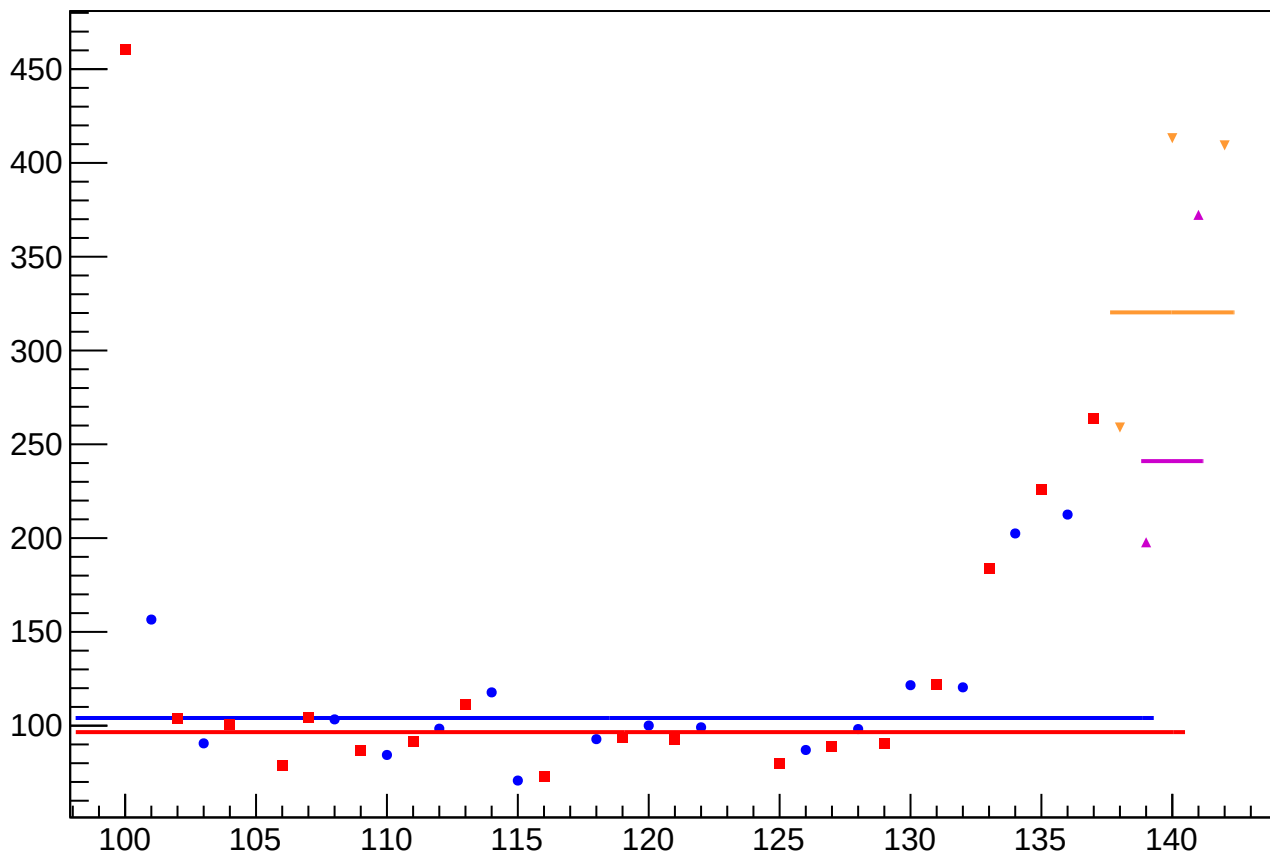
Left In: -0.337 $\pm$ 0.198 χ^2 /NDF:3.6/1

+ sign 0.021 $\pm$ 0.040 χ^2 /NDF: 15.1/18

All: 0.022 $\pm$ 0.028 χ^2 /NDF: 44.2/38

- sign 0.022 $\pm$ 0.038 χ^2 /NDF: 29.1/19

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF : 989856.1/15

Left Out: 320.322+/-0.164 χ^2/NDF : 208087.4/2

Right Out: 96.569+/-0.028 χ^2/NDF : 955547.2/17

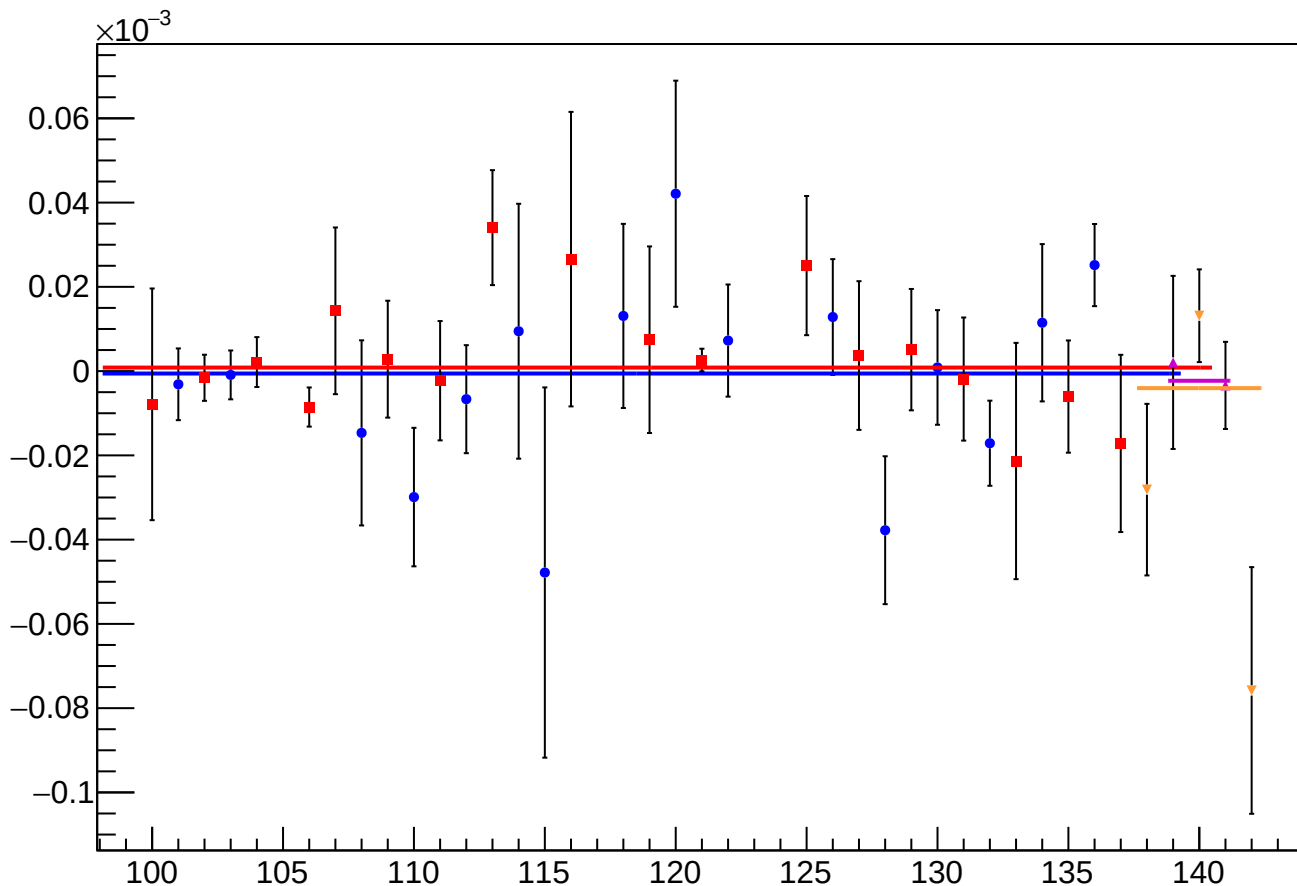
Left In: 241.042+/-0.140 χ^2/NDF : 290247.1/1

+ sign 110.636+/-0.029 χ^2/NDF : 2877205.6/18

All: 106.045+/-0.020 χ^2/NDF : 5198809.0/38

- sign 101.947+/-0.027 χ^2/NDF : 2272724.9/19

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.0/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 9.8/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.9/17

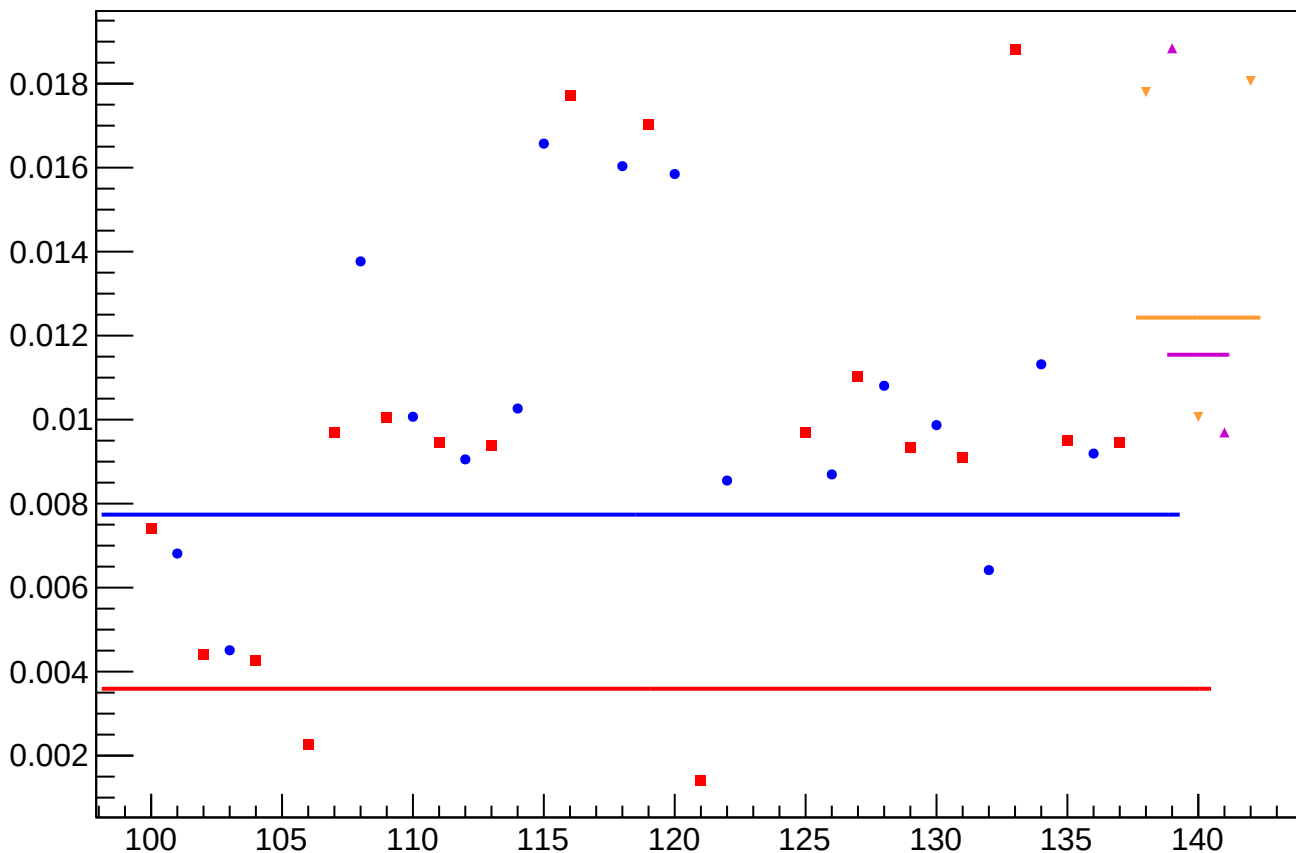
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 33.9/18

All: 0.000 ± 0.000 χ^2/NDF : 50.2/38

- sign 0.000 ± 0.000 χ^2/NDF : 16.0/19

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: 0.012 $\pm$ 0.000 χ^2/NDF : 305485.7/2

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 6364883.4/17

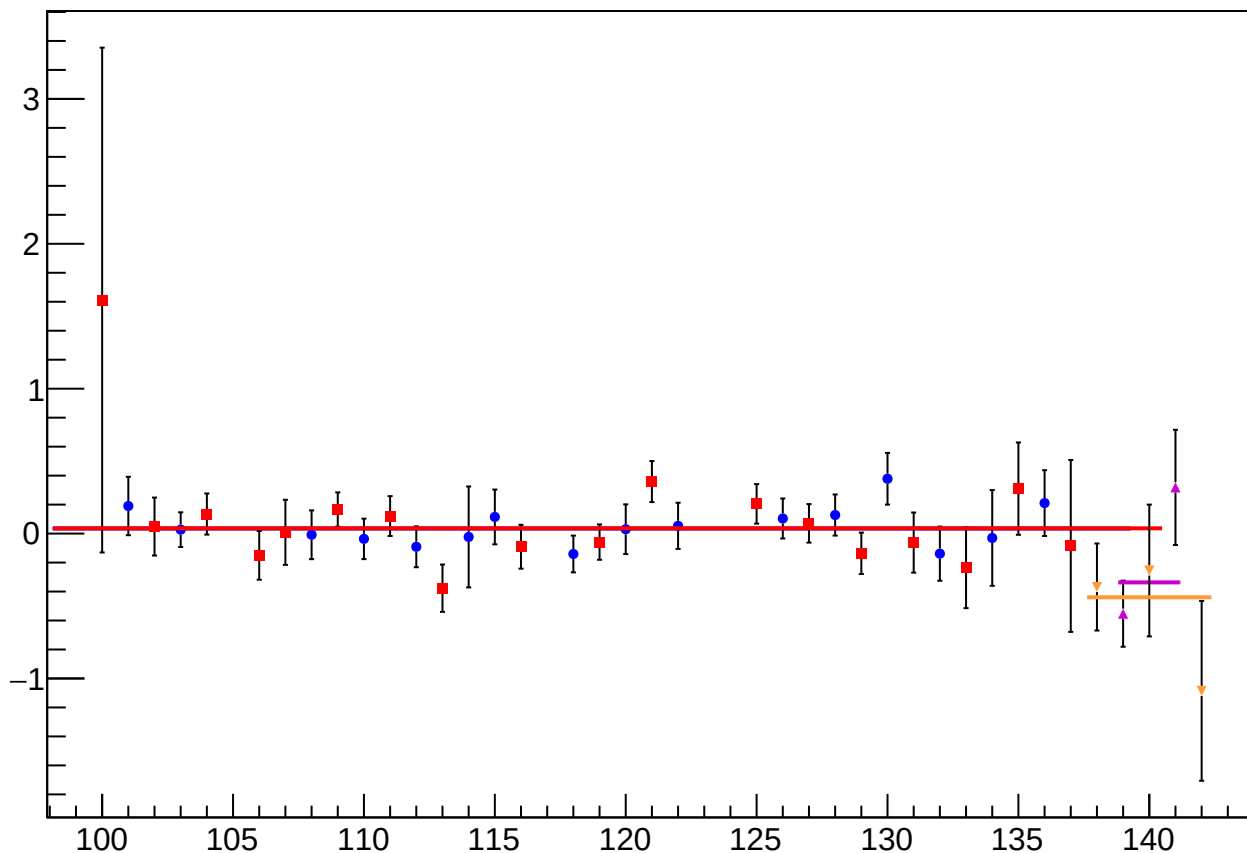
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 316237.6/1

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 2474326.1/18

All: 0.005 $\pm$ 0.000 χ^2/NDF : 13710589.9/38

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 8107197.5/19

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.041 χ^2 /NDF: 9.8/15

Left Out: -0.440 $\pm$ 0.232 χ^2 /NDF:1.3/2

Right Out: 0.036 $\pm$ 0.039 χ^2 /NDF: 22.0/17

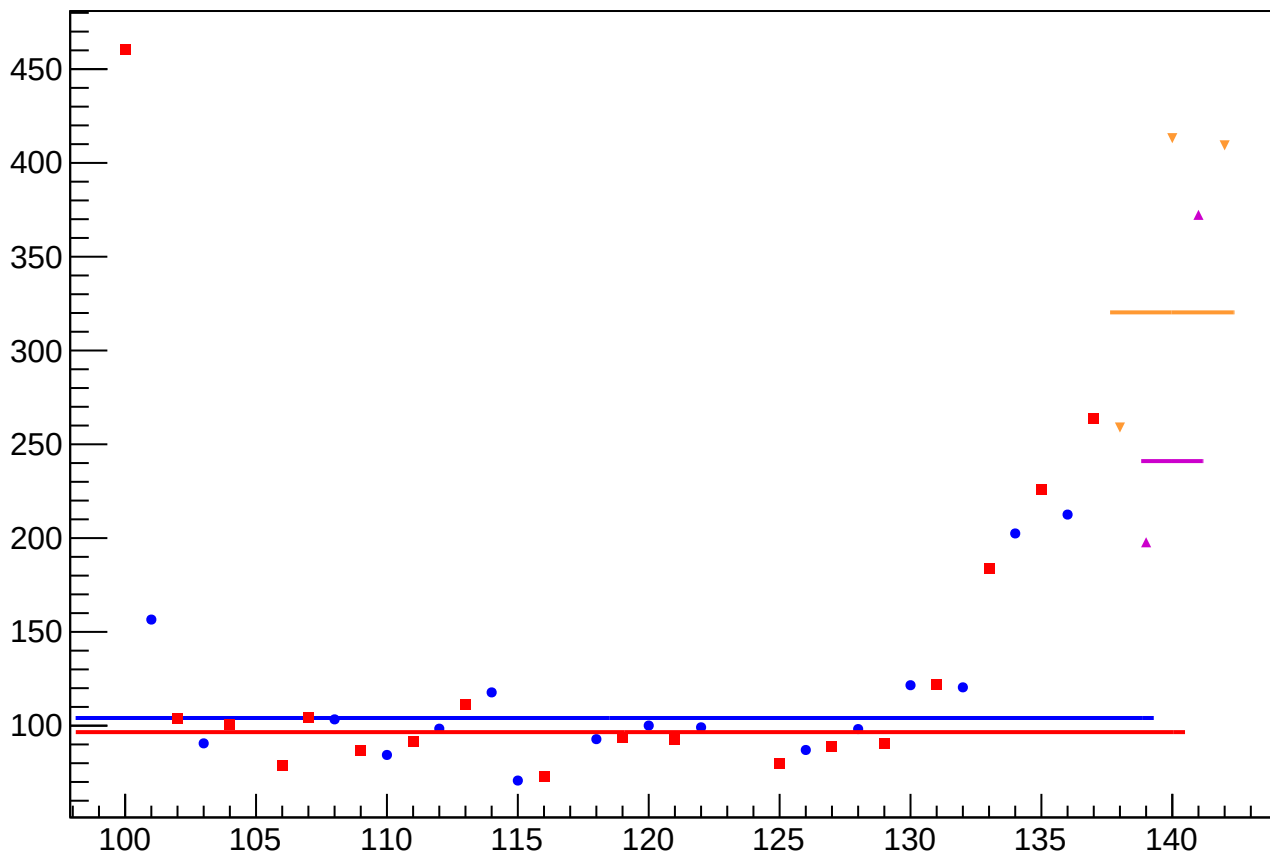
Left In: -0.337 $\pm$ 0.198 χ^2 /NDF:3.6/1

+ sign 0.021 $\pm$ 0.040 χ^2 /NDF: 15.1/18

All: 0.022 $\pm$ 0.028 χ^2 /NDF: 44.2/38

- sign 0.022 $\pm$ 0.038 χ^2 /NDF: 29.1/19

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: 320.325 $\pm$ 0.164 χ^2 /NDF: 208097.0/2

Right Out: 96.570 $\pm$ 0.028 χ^2 /NDF: 955477.2/17

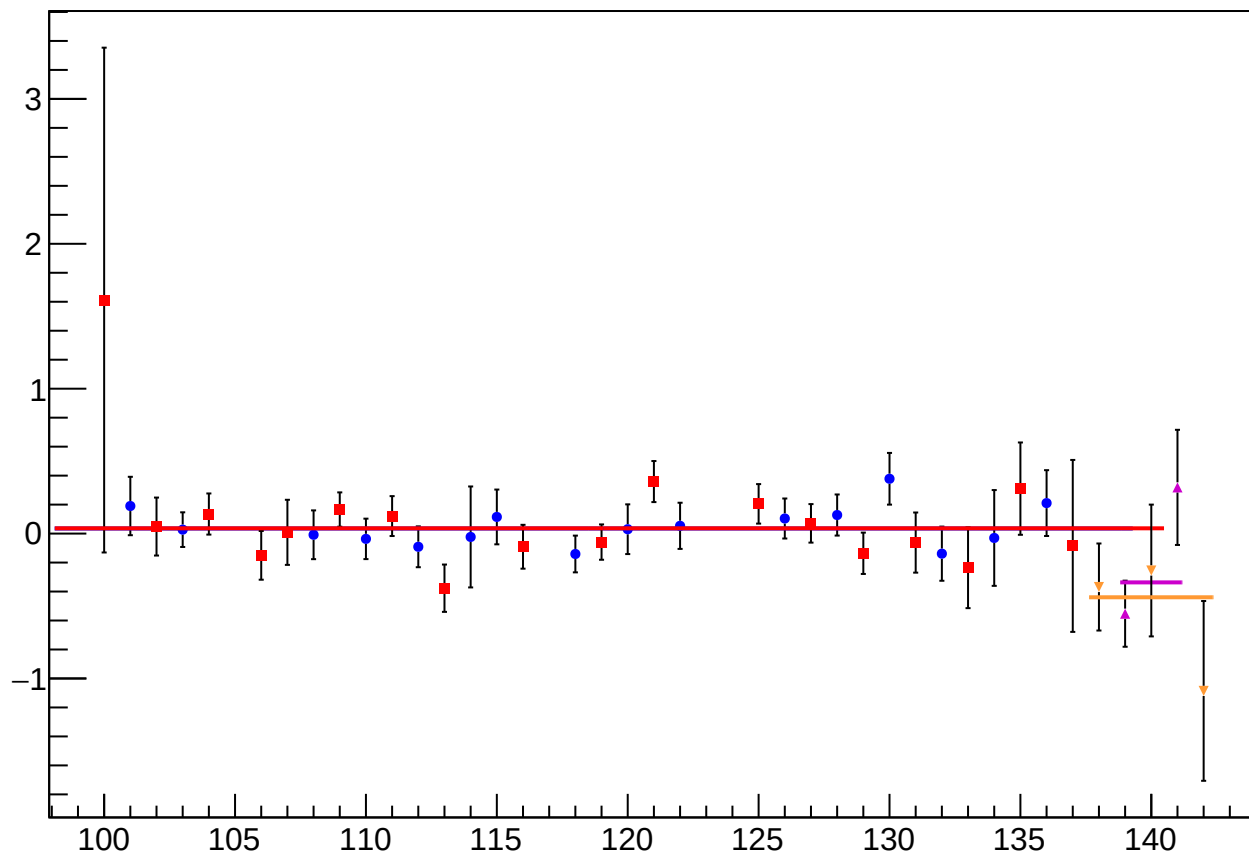
Left In: 241.049 $\pm$ 0.140 χ^2 /NDF: 290234.7/1

+ sign 110.637 $\pm$ 0.029 χ^2 /NDF: 2877170.5/18

All: 106.046 $\pm$ 0.020 χ^2 /NDF: 5198708.5/38

- sign 101.948 $\pm$ 0.027 χ^2 /NDF: 2272665.4/19

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.041 χ^2 /NDF: 9.8/15

Left Out: -0.440 $\pm$ 0.232 χ^2 /NDF:1.3/2

Right Out: 0.036 $\pm$ 0.039 χ^2 /NDF: 22.0/17

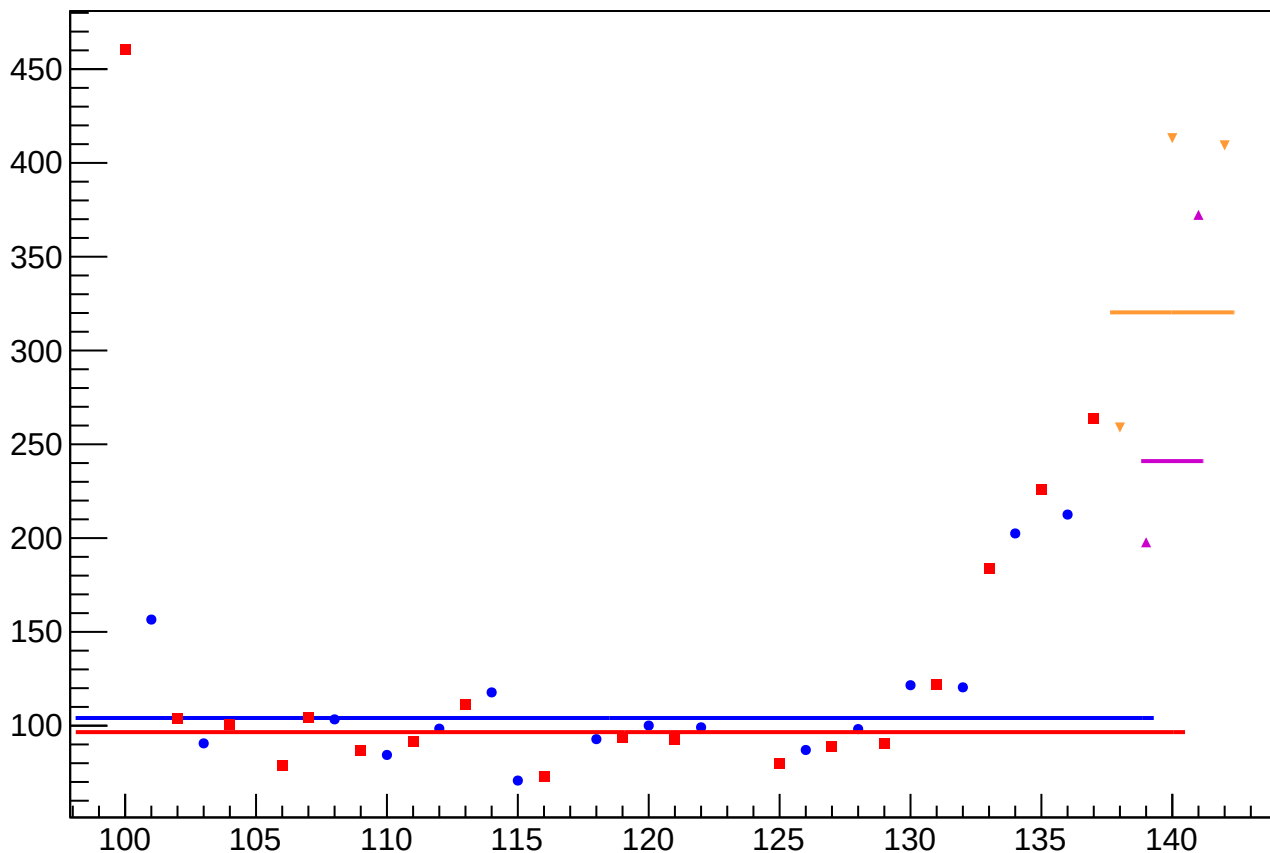
Left In: -0.337 $\pm$ 0.198 χ^2 /NDF:3.6/1

+ sign 0.021 $\pm$ 0.040 χ^2 /NDF: 15.1/18

All: 0.022 $\pm$ 0.028 χ^2 /NDF: 44.2/38

- sign 0.022 $\pm$ 0.038 χ^2 /NDF: 29.1/19

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 104.100 $\pm$ 0.029 χ^2 /NDF: 989809.0/15

Left Out: 320.325 $\pm$ 0.164 χ^2 /NDF: 208097.0/2

Right Out: 96.570 $\pm$ 0.028 χ^2 /NDF: 955477.2/17

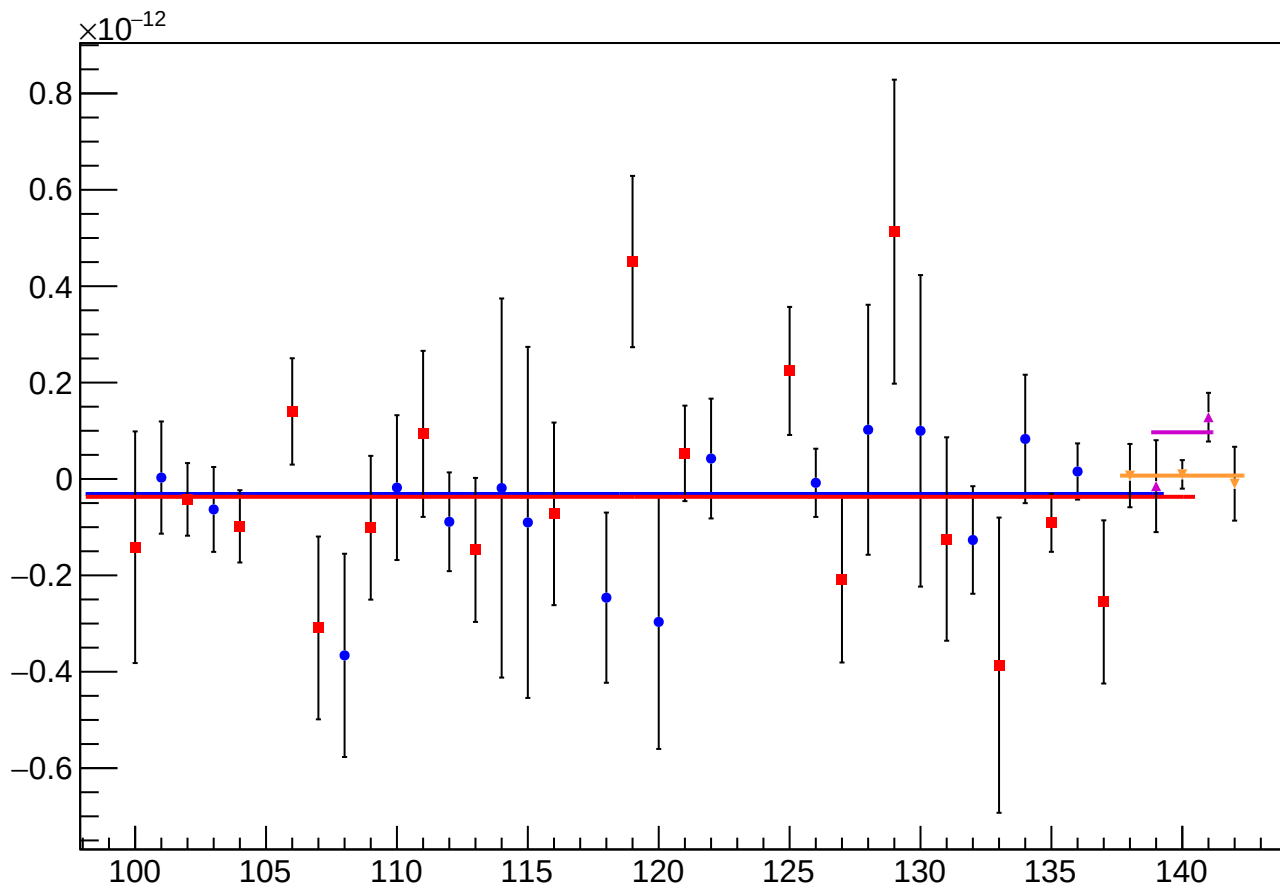
Left In: 241.049 $\pm$ 0.140 χ^2 /NDF: 290234.7/1

+ sign 110.637 $\pm$ 0.029 χ^2 /NDF: 2877170.5/18

All: 106.046 $\pm$ 0.020 χ^2 /NDF: 5198708.5/38

- sign 101.948 $\pm$ 0.027 χ^2 /NDF: 2272665.4/19

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 : 0.1/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 27.0/17

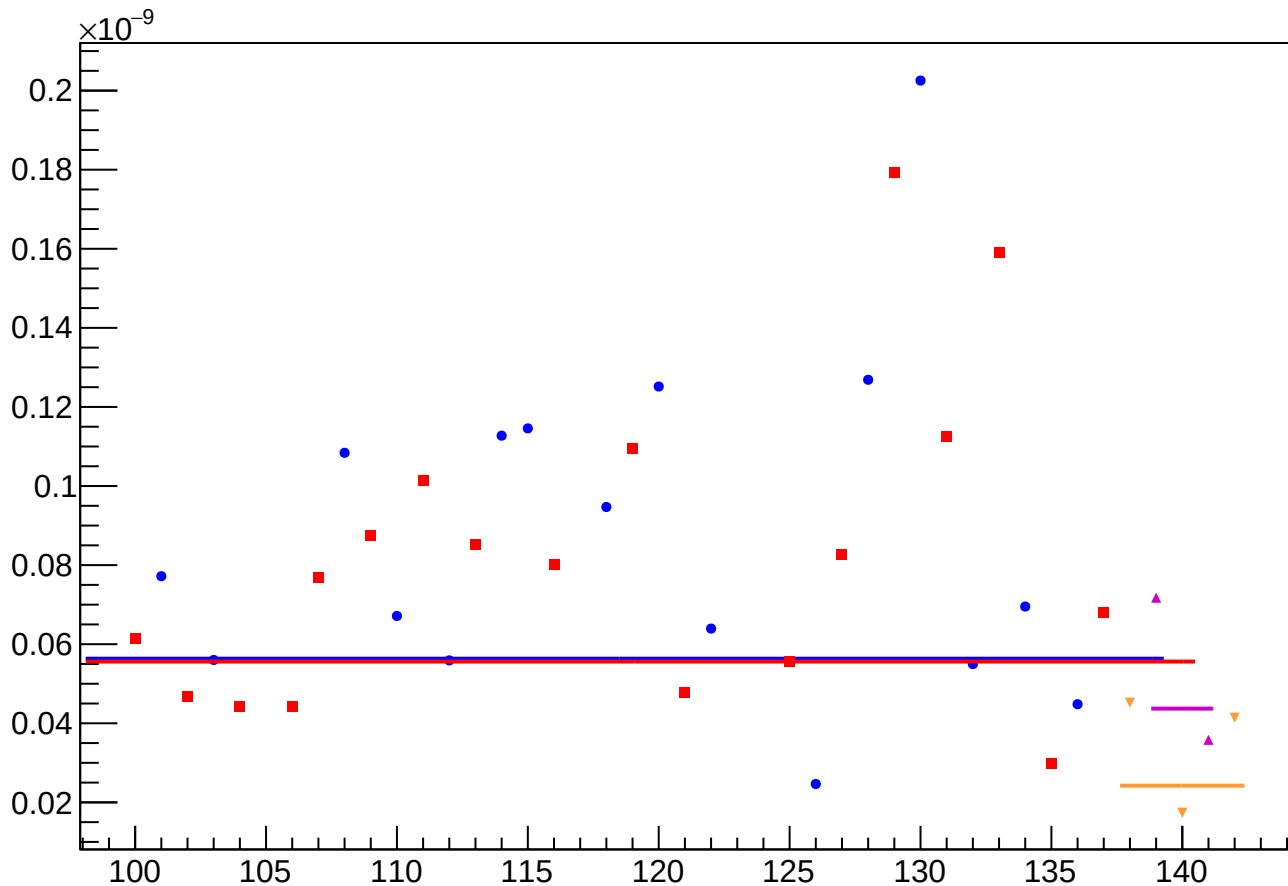
Left In: 0.000 ± 0.000 χ^2/NDF : 1.8/1

+ sign -0.000 ± 0.000 χ^2/NDF : 9.6/18

All: -0.000 ± 0.000 χ^2/NDF : 44.9/38

- sign 0.000 ± 0.000 χ^2/NDF : 35.2/19

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 : 411804.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1767462.9/17

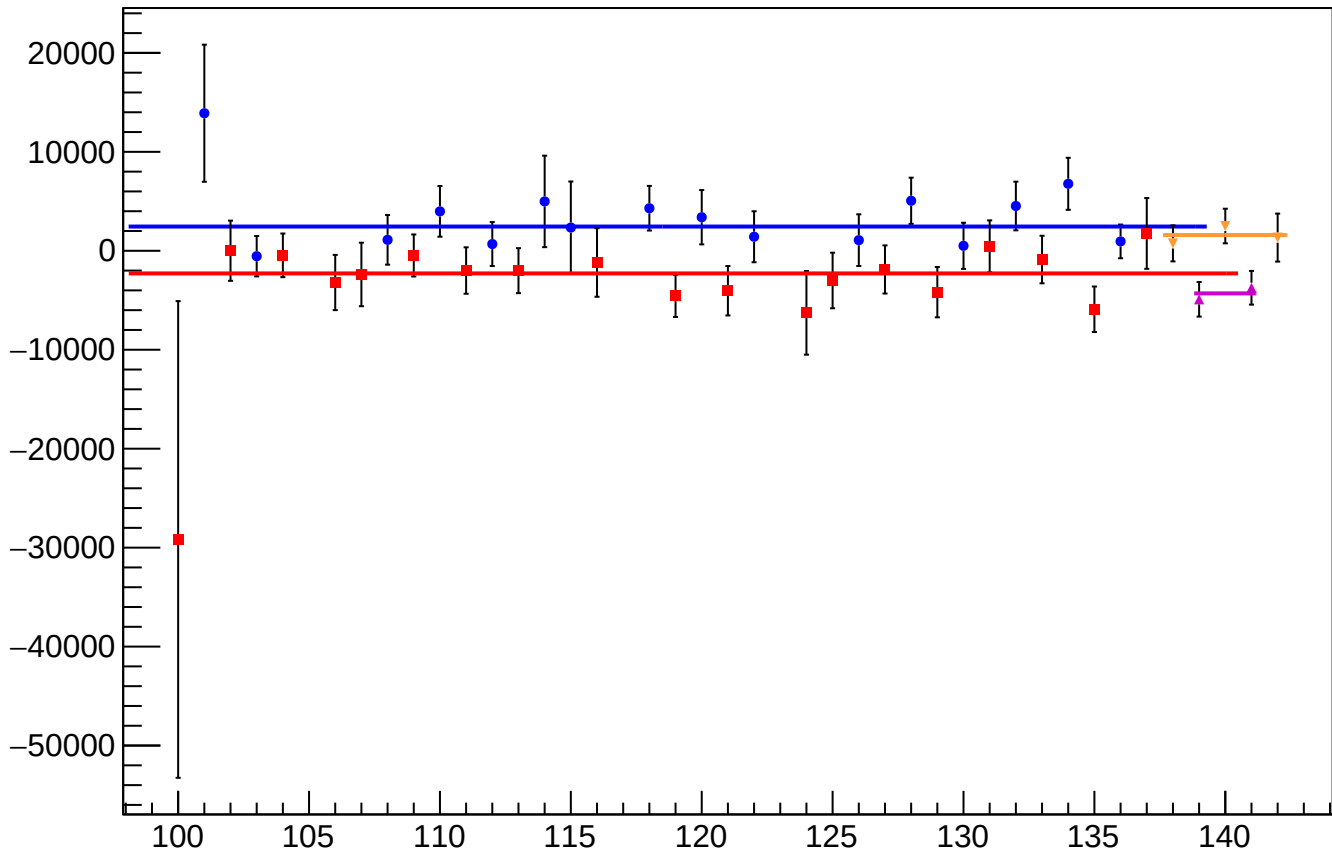
Left In: 0.000+/-0.000 χ^2/NDF : 222000.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 3350260.0/18

All: 0.000+/-0.000 χ^2/NDF : 5863240.9/38

- sign 0.000+/-0.000 χ^2/NDF : 2089866.7/19

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957 $\pm$ 630.235 χ^2 /NDF: 13.8/15

Left Out: 1591.658 $\pm$ 1117.940 χ^2 /NDF: 0.5/2

Right Out: -2286.573 $\pm$ 609.157 χ^2 /NDF: 11.8/18

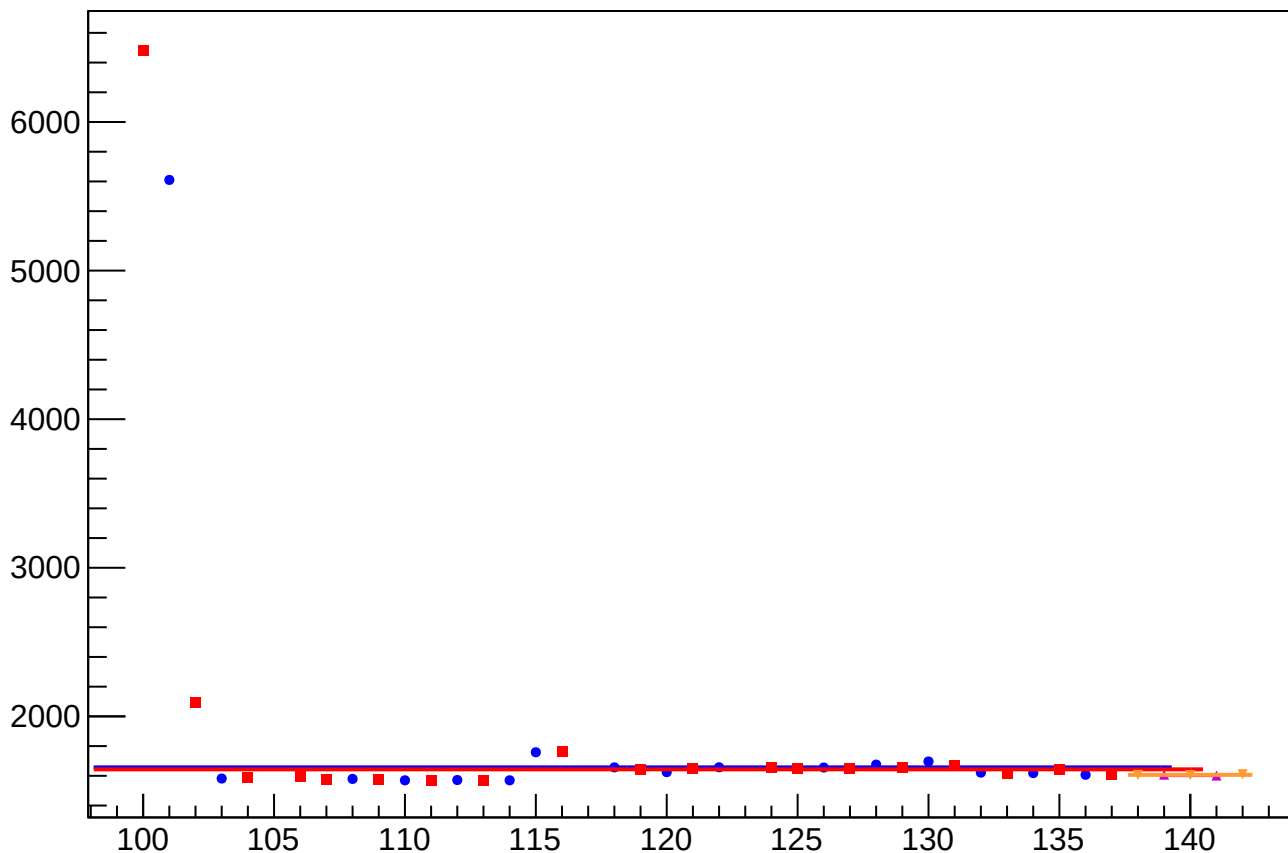
Left In: -4304.384 $\pm$ 1219.507 χ^2 /NDF: 0.2/1

+ sign 2242.965 $\pm$ 549.005 χ^2 /NDF: 14.8/18

All: -241.537 $\pm$ 386.764 χ^2 /NDF: 69.7/39

- sign -2689.504 $\pm$ 544.953 χ^2 /NDF: 14.3/20

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF : 666226.2/15

Left Out: 1606.459+/-0.791 χ^2/NDF : 7.4/2

Right Out: 1643.430+/-0.431 χ^2/NDF : 136997.9/18

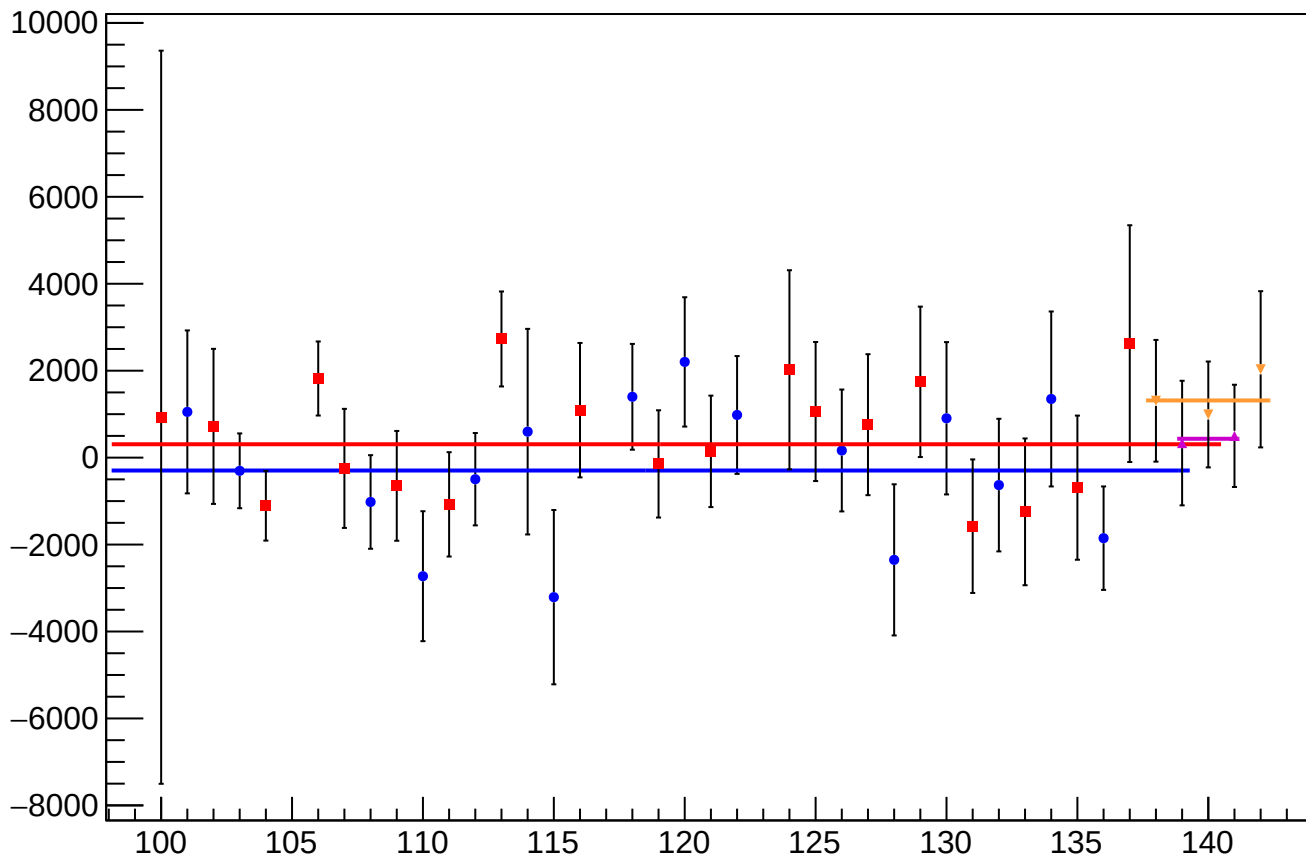
Left In: 1604.781+/-0.862 χ^2/NDF : 12.5/1

+ sign 1644.571+/-0.388 χ^2/NDF : 669296.8/18

All: 1640.109+/-0.273 χ^2/NDF : 808177.2/39

- sign 1635.712+/-0.385 χ^2/NDF : 138618.1/20

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450 ± 343.436 χ^2/NDF : 16.0/15

Left Out: 1315.893 ± 818.085 χ^2/NDF : 0.2/2

Right Out: 307.671 ± 312.976 χ^2/NDF : 18.7/18

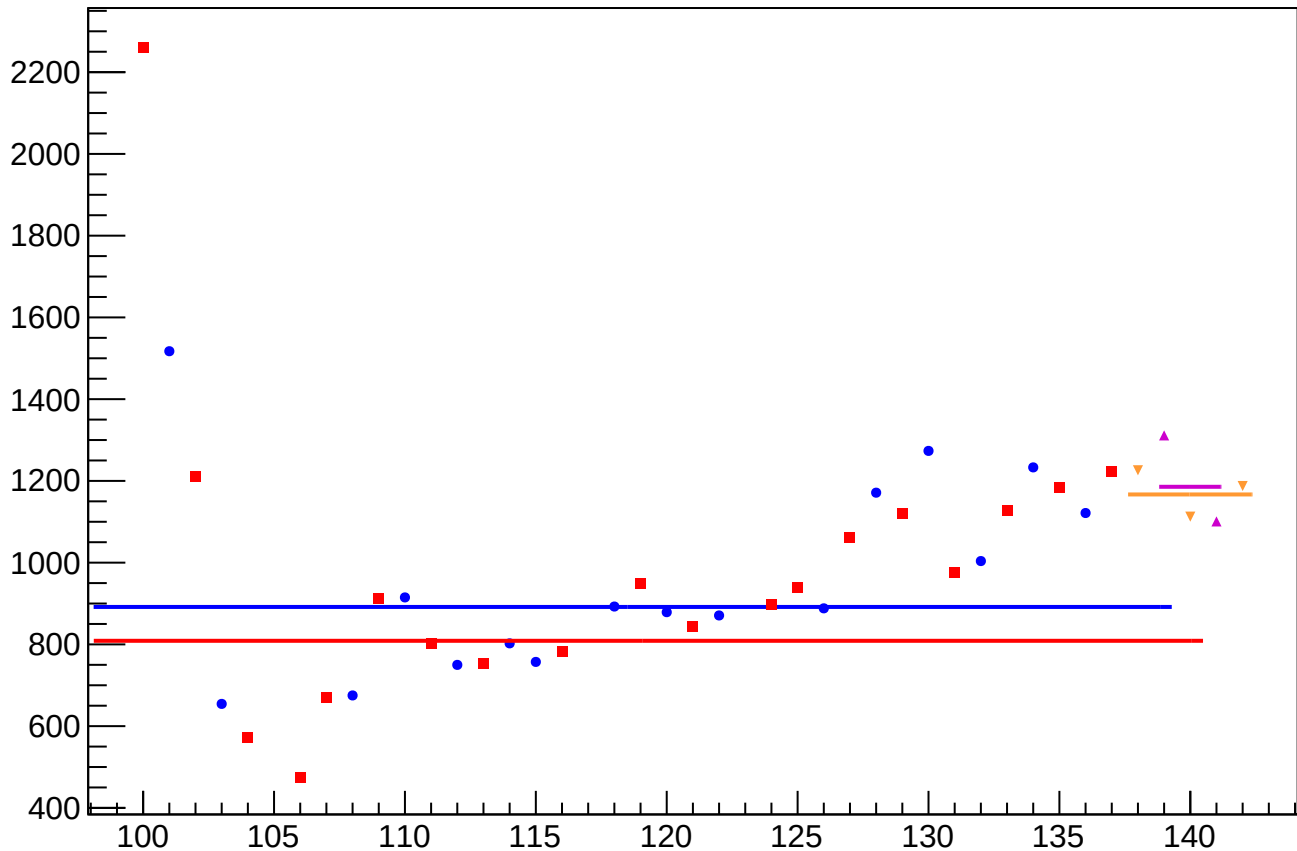
Left In: 434.032 ± 909.075 χ^2/NDF : 0.0/1

+ sign -54.872 ± 316.664 χ^2/NDF : 19.5/18

All: 145.805 ± 216.213 χ^2/NDF : 39.0/39

- sign 321.061 ± 295.929 χ^2/NDF : 18.7/20

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF : 793897.2/15

Left Out: 1166.846+/-0.578 χ^2/NDF : 7806.3/2

Right Out: 808.809+/-0.221 χ^2/NDF : 1083841.8/18

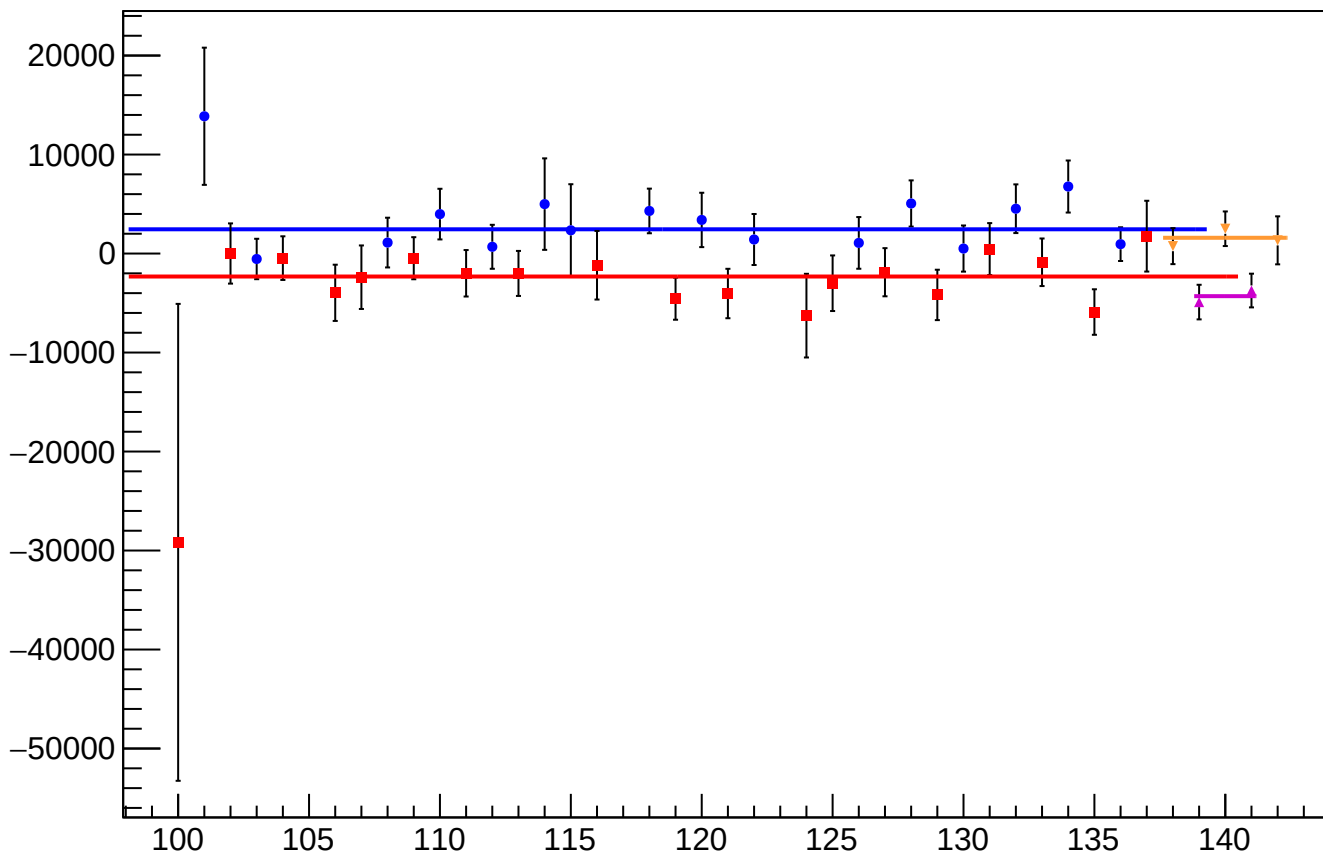
Left In: 1185.604+/-0.643 χ^2/NDF : 25776.3/1

+ sign 932.868+/-0.224 χ^2/NDF : 994135.9/18

All: 887.959+/-0.153 χ^2/NDF : 2486292.0/39

- sign 848.738+/-0.209 χ^2/NDF : 1416798.1/20

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397 $\pm$ 630.235 χ^2/NDF : 13.8/15

Left Out: 1591.634 $\pm$ 1117.940 χ^2/NDF : 0.5/2

Right Out: -2320.575 $\pm$ 609.657 χ^2/NDF : 12.1/18

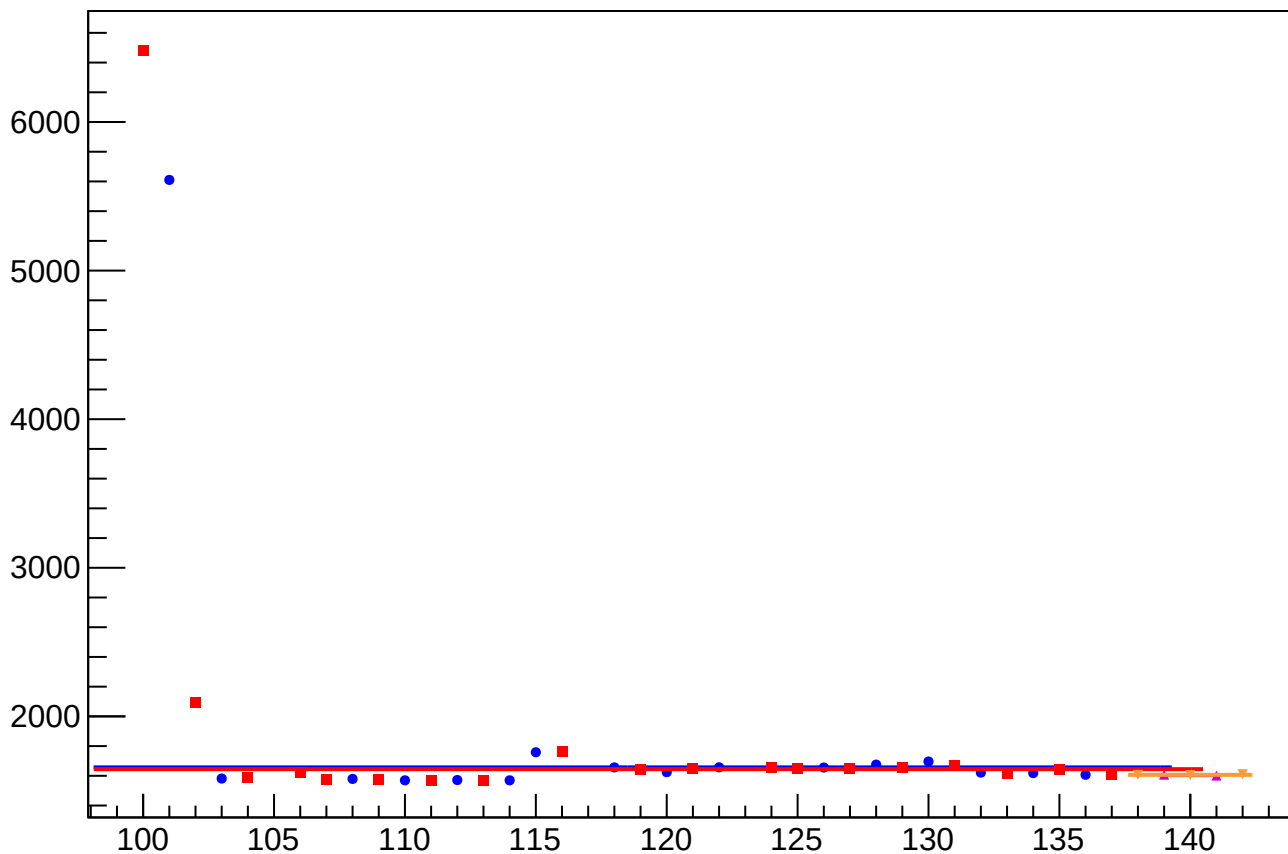
Left In: -4304.696 $\pm$ 1219.507 χ^2/NDF : 0.2/1

+ sign 2242.534 $\pm$ 549.005 χ^2/NDF : 14.8/18

All: -254.123 $\pm$ 386.892 χ^2/NDF : 70.3/39

- sign -2717.299 $\pm$ 545.311 χ^2/NDF : 14.4/20

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683 $\pm$ 0.446 χ^2/NDF : 666225.7/15

Left Out: 1606.459 $\pm$ 0.791 χ^2/NDF : 7.4/2

Right Out: 1644.733 $\pm$ 0.431 χ^2/NDF : 136483.1/18

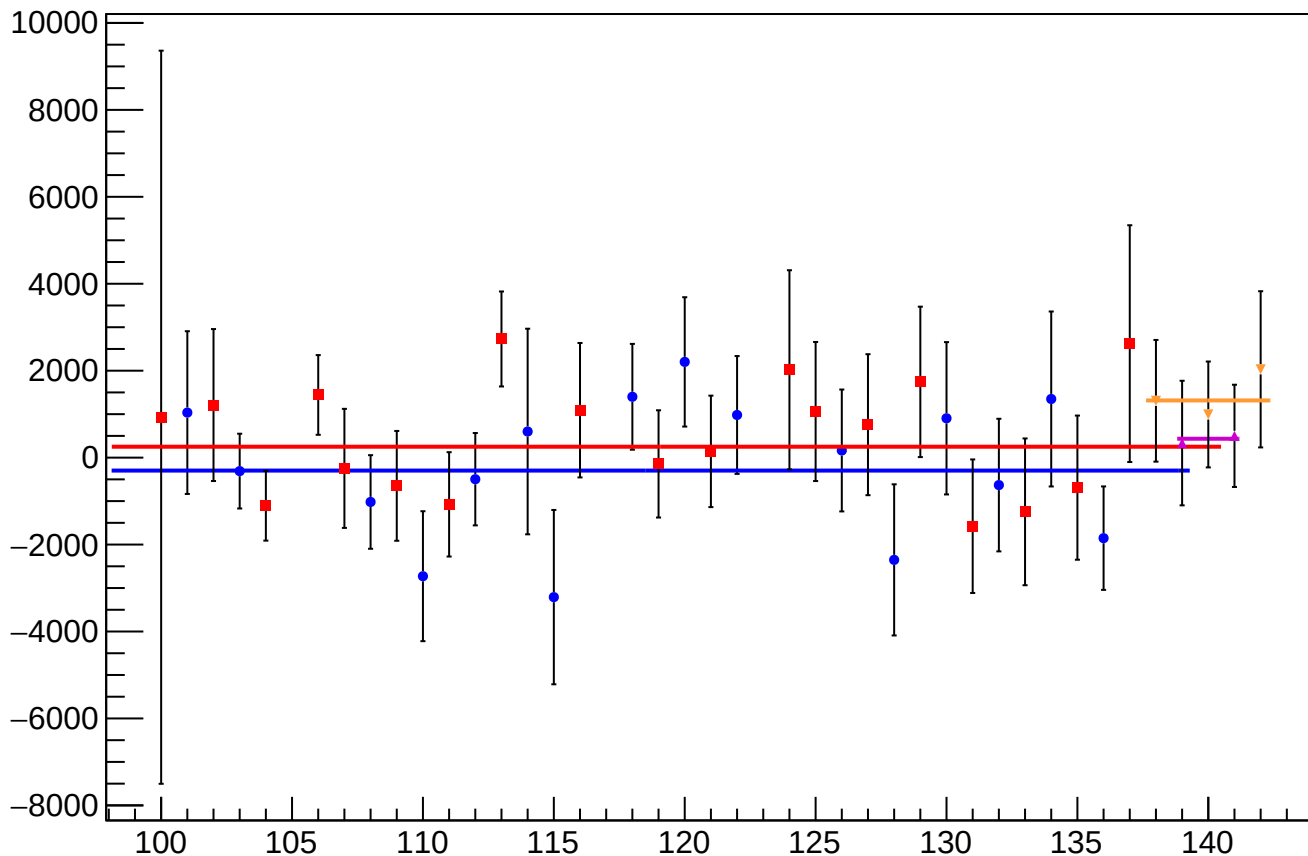
Left In: 1604.781 $\pm$ 0.862 χ^2/NDF : 12.5/1

+ sign 1644.571 $\pm$ 0.388 χ^2/NDF : 669296.3/18

All: 1640.631 $\pm$ 0.274 χ^2/NDF : 807713.9/39

- sign 1636.744 $\pm$ 0.386 χ^2/NDF : 138213.0/20

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF : 15.9/15

Left Out: 1315.814+/-818.077 χ^2/NDF : 0.2/2

Right Out: 251.230+/-315.749 χ^2/NDF : 17.3/18

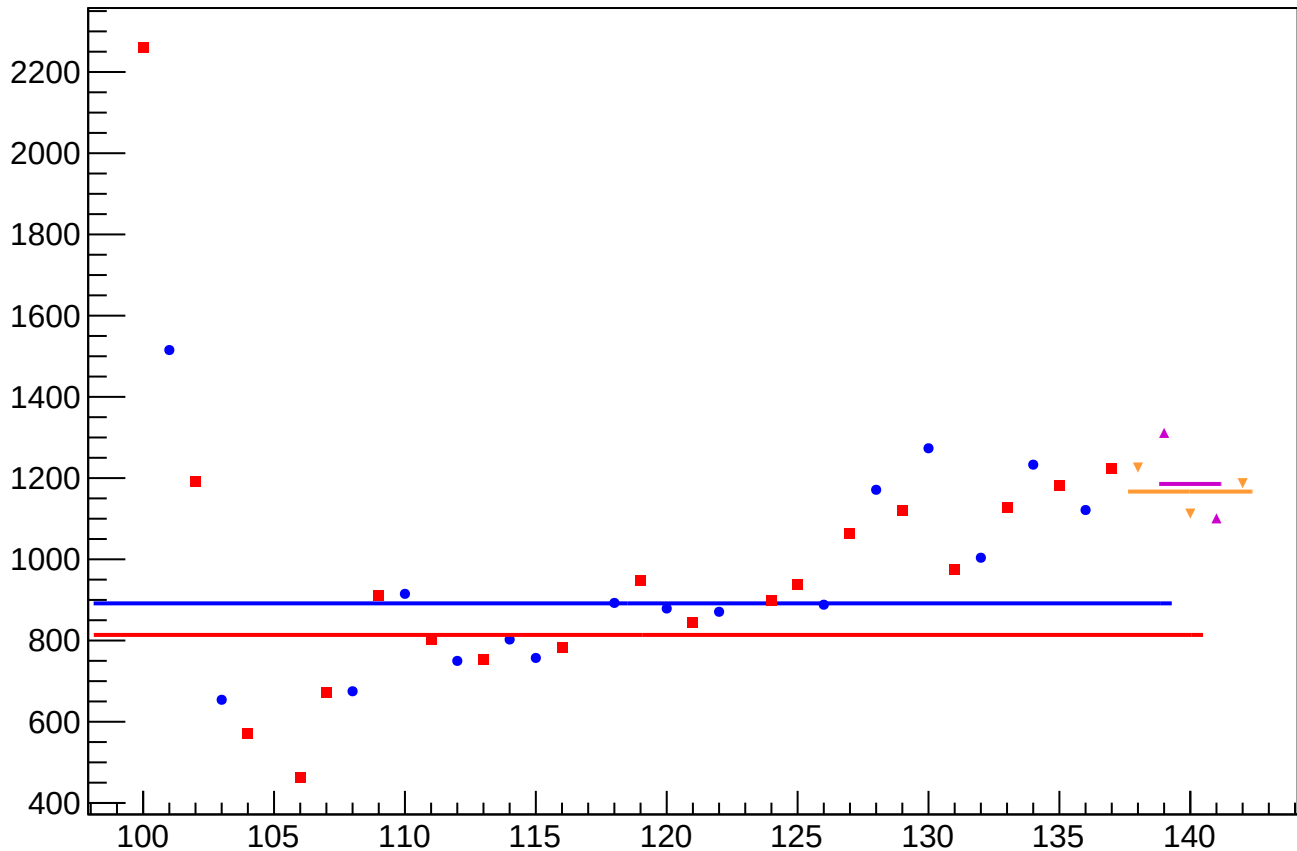
Left In: 434.262+/-909.076 χ^2/NDF : 0.0/1

+ sign -56.077+/-316.628 χ^2/NDF : 19.5/18

All: 117.183+/-217.109 χ^2/NDF : 37.4/39

- sign 270.934+/-298.270 χ^2/NDF : 17.3/20

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF : 793657.2/15

Left Out: 1166.834+/-0.578 χ^2/NDF : 7805.6/2

Right Out: 813.807+/-0.223 χ^2/NDF : 1052991.6/18

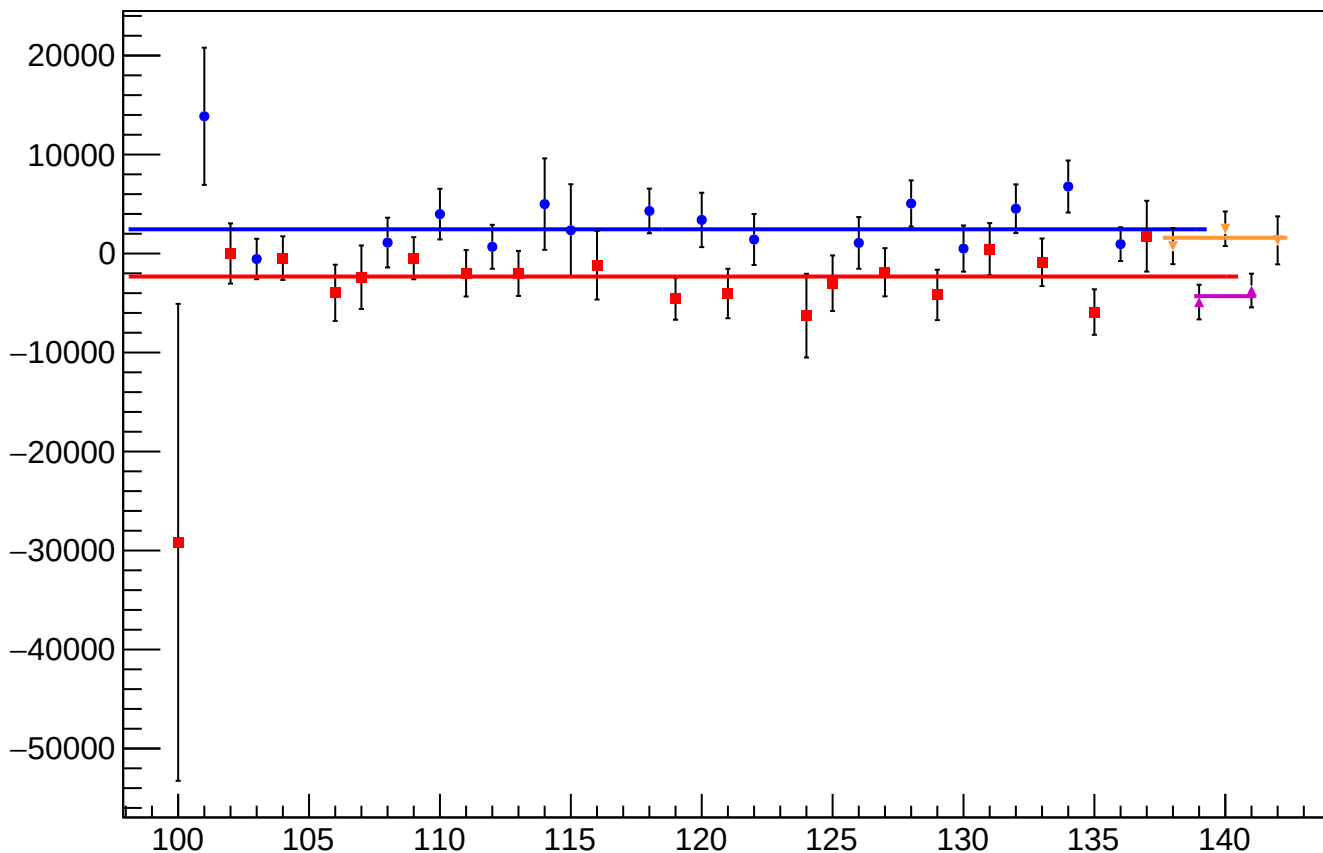
Left In: 1185.604+/-0.643 χ^2/NDF : 25781.4/1

+ sign 932.773+/-0.224 χ^2/NDF : 994028.0/18

All: 890.947+/-0.154 χ^2/NDF : 2437190.6/39

- sign 853.831+/-0.211 χ^2/NDF : 1377294.4/20

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397 $\pm$ 630.235 χ^2/NDF : 13.8/15

Left Out: 1591.634 $\pm$ 1117.940 χ^2/NDF : 0.5/2

Right Out: -2320.575 $\pm$ 609.657 χ^2/NDF : 12.1/18

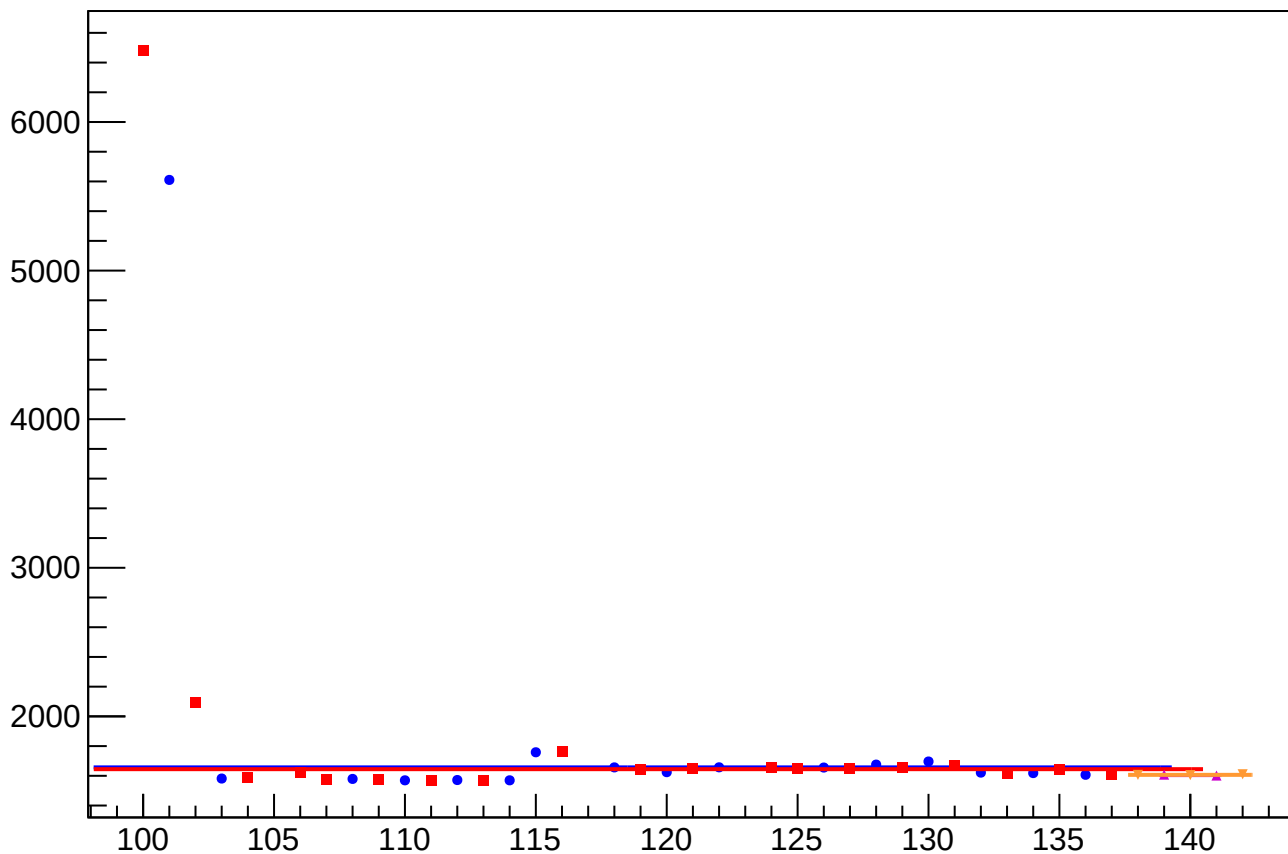
Left In: -4304.696 $\pm$ 1219.507 χ^2/NDF : 0.2/1

+ sign 2242.534 $\pm$ 549.005 χ^2/NDF : 14.8/18

All: -254.123 $\pm$ 386.892 χ^2/NDF : 70.3/39

- sign -2717.299 $\pm$ 545.311 χ^2/NDF : 14.4/20

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF : 666225.7/15

Left Out: 1606.459+/-0.791 χ^2/NDF : 7.4/2

Right Out: 1644.733+/-0.431 χ^2/NDF : 136483.1/18

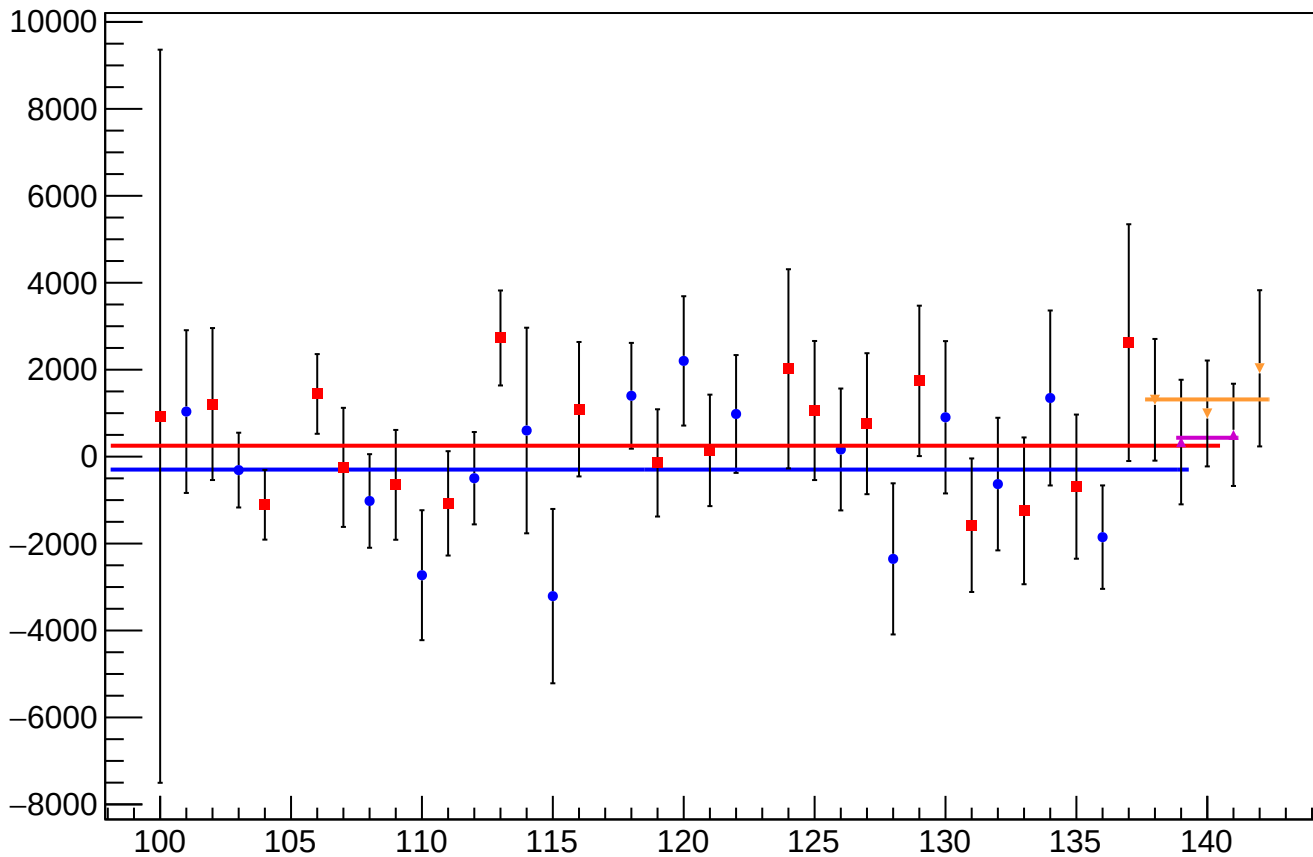
Left In: 1604.781+/-0.862 χ^2/NDF : 12.5/1

+ sign 1644.571+/-0.388 χ^2/NDF : 669296.3/18

All: 1640.631+/-0.274 χ^2/NDF : 807713.9/39

- sign 1636.744+/-0.386 χ^2/NDF : 138213.0/20

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -297.794 ± 343.391 χ^2/NDF : 15.9/15

Left Out: 1315.814 ± 818.077 χ^2/NDF : 0.2/2

Right Out: 251.230 ± 315.749 χ^2/NDF : 17.3/18

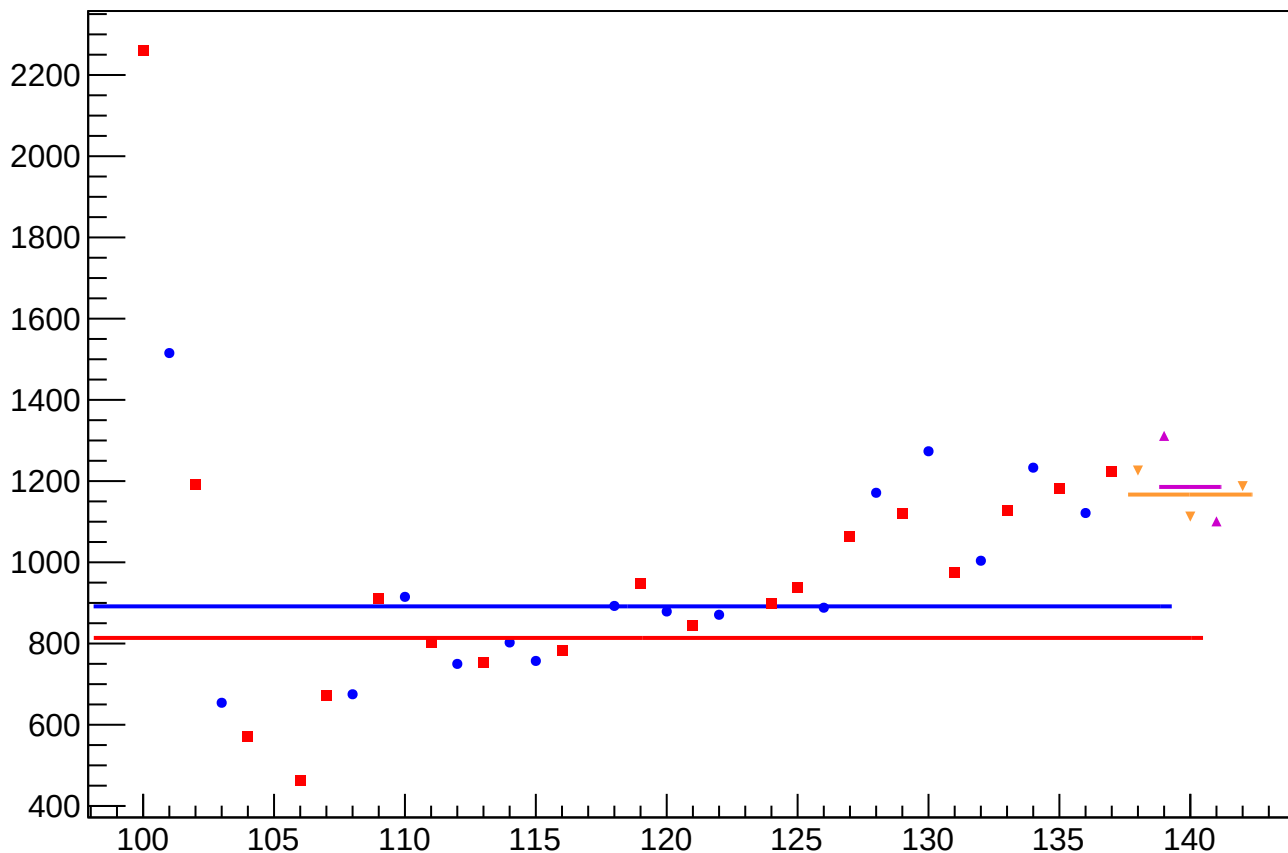
Left In: 434.262 ± 909.076 χ^2/NDF : 0.0/1

+ sign -56.077 ± 316.628 χ^2/NDF : 19.5/18

All: 117.183 ± 217.109 χ^2/NDF : 37.4/39

- sign 270.934 ± 298.270 χ^2/NDF : 17.3/20

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: 1166.834 $\pm$ 0.578 χ^2/NDF : 7805.6/2

Right Out: 813.807 $\pm$ 0.223 χ^2/NDF : 1052991.6/18

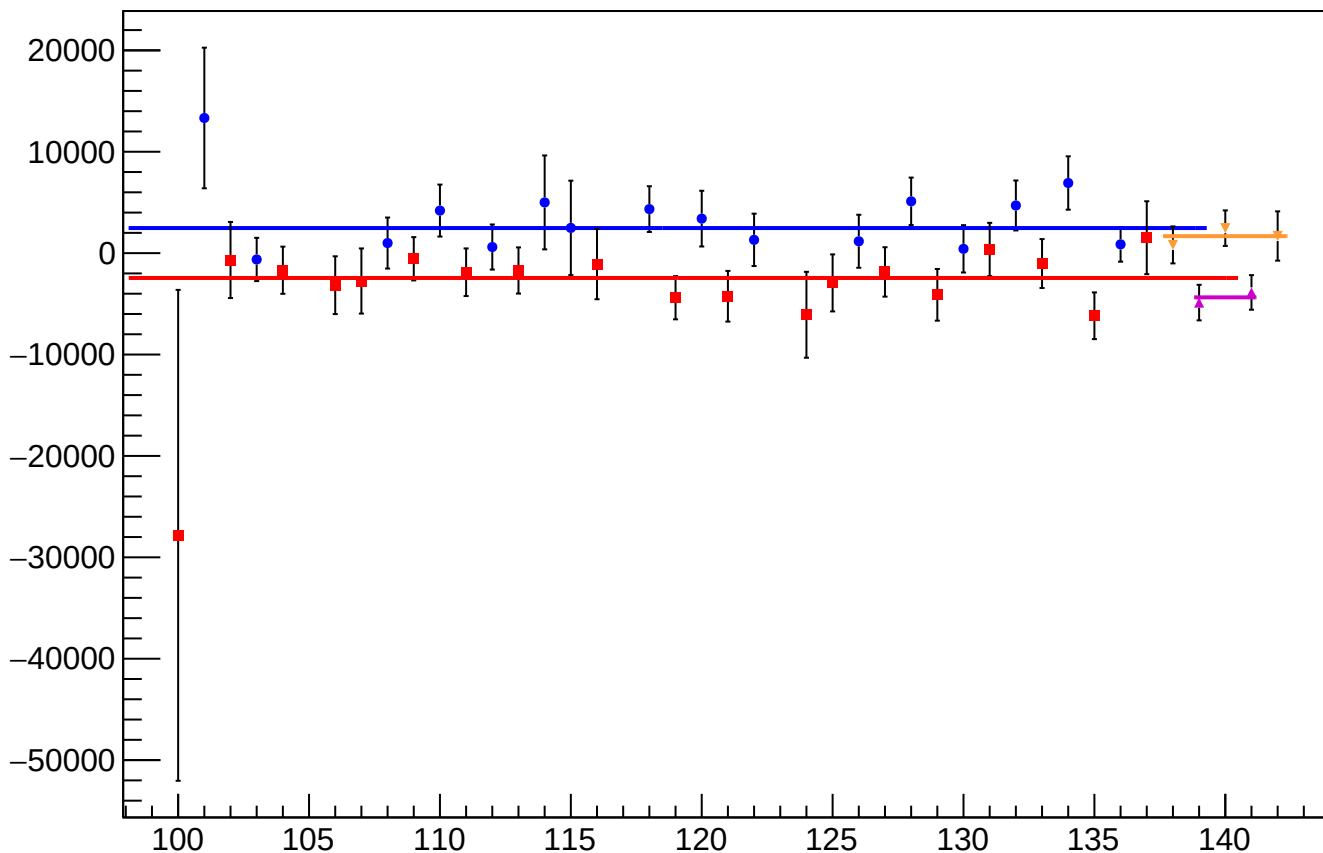
Left In: 1185.604 $\pm$ 0.643 χ^2/NDF : 25781.4/1

+ sign 932.773 $\pm$ 0.224 χ^2/NDF : 994028.0/18

All: 890.947 $\pm$ 0.154 χ^2/NDF : 2437190.6/39

- sign 853.831 $\pm$ 0.211 χ^2/NDF : 1377294.4/20

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229 $\pm$ 633.866 χ^2/NDF : 14.2/15

Left Out: 1676.283 $\pm$ 1121.279 χ^2/NDF : 0.4/2

Right Out: -2449.053 $\pm$ 617.532 χ^2/NDF : 10.6/18

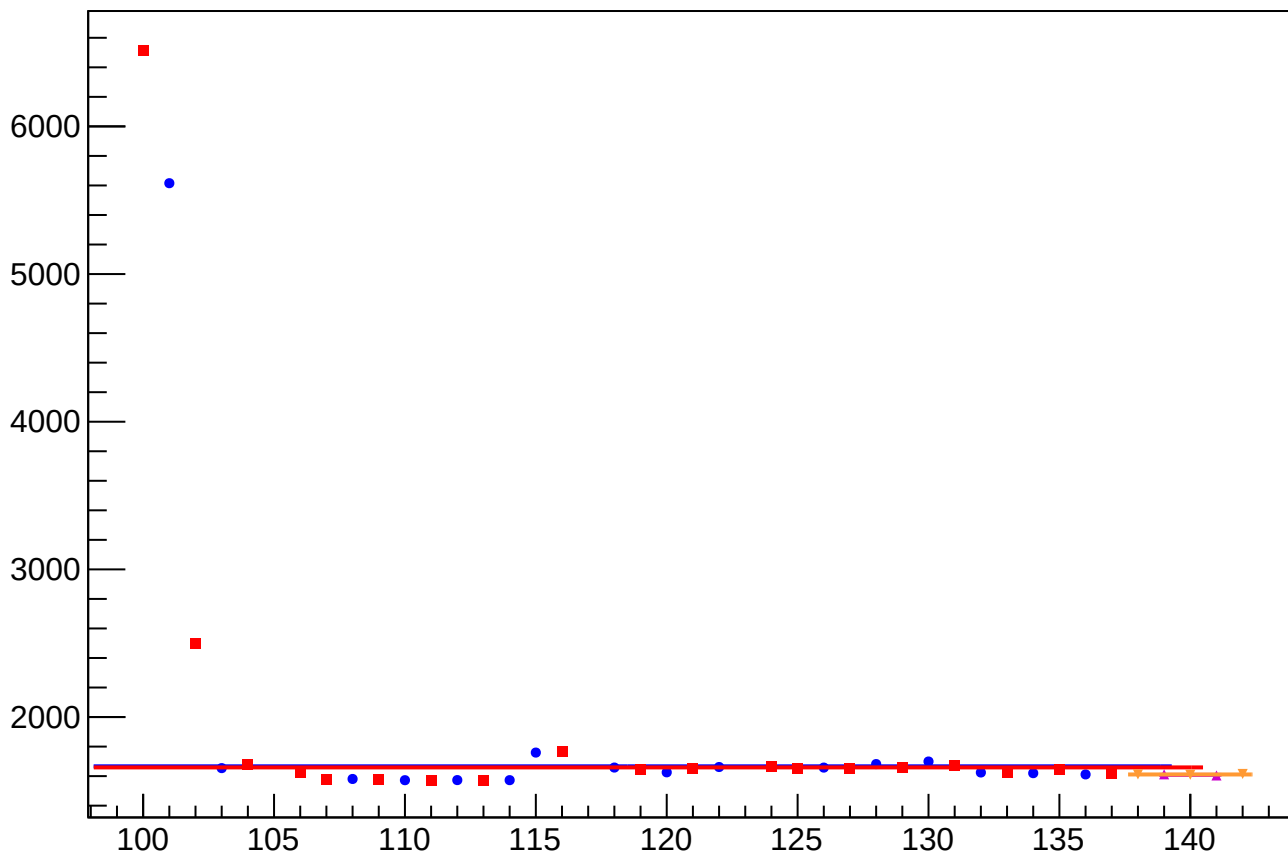
Left In: -4362.204 $\pm$ 1222.203 χ^2/NDF : 0.2/1

+ sign 2281.742 $\pm$ 551.799 χ^2/NDF : 15.0/18

All: -281.103 $\pm$ 389.959 χ^2/NDF : 70.8/39

- sign -2838.132 $\pm$ 551.173 χ^2/NDF : 12.7/20

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF : 662914.5/15

Left Out: 1611.243+/-0.793 χ^2/NDF : 6.2/2

Right Out: 1659.005+/-0.437 χ^2/NDF : 193223.7/18

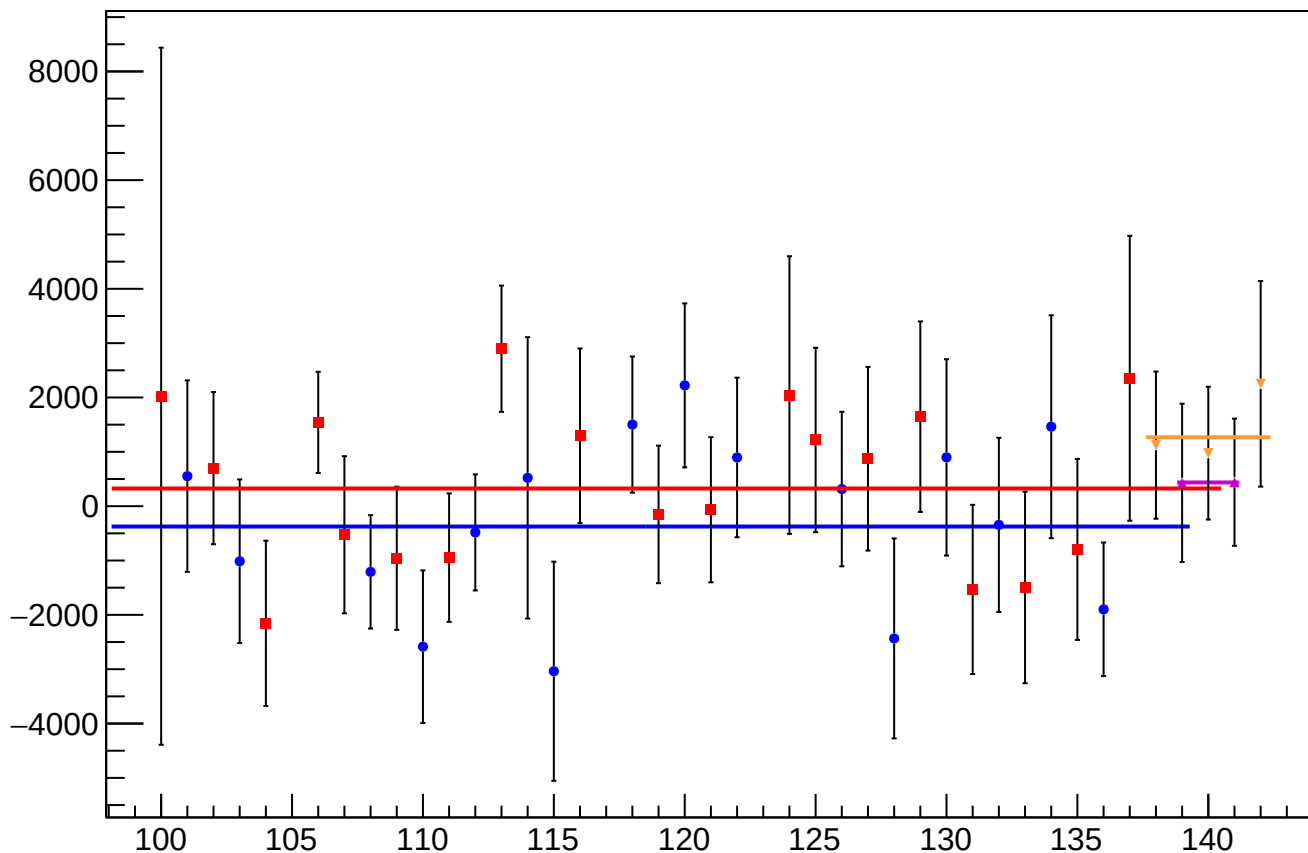
Left In: 1608.256+/-0.864 χ^2/NDF : 19.7/1

+ sign 1653.042+/-0.390 χ^2/NDF : 666588.3/18

All: 1650.860+/-0.276 χ^2/NDF : 862641.0/39

- sign 1648.684+/-0.390 χ^2/NDF : 195990.3/20

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF : 15.7/15

Left Out: 1268.156+/-818.031 χ^2/NDF : 0.3/2

Right Out: 325.671+/-340.620 χ^2/NDF : 17.4/18

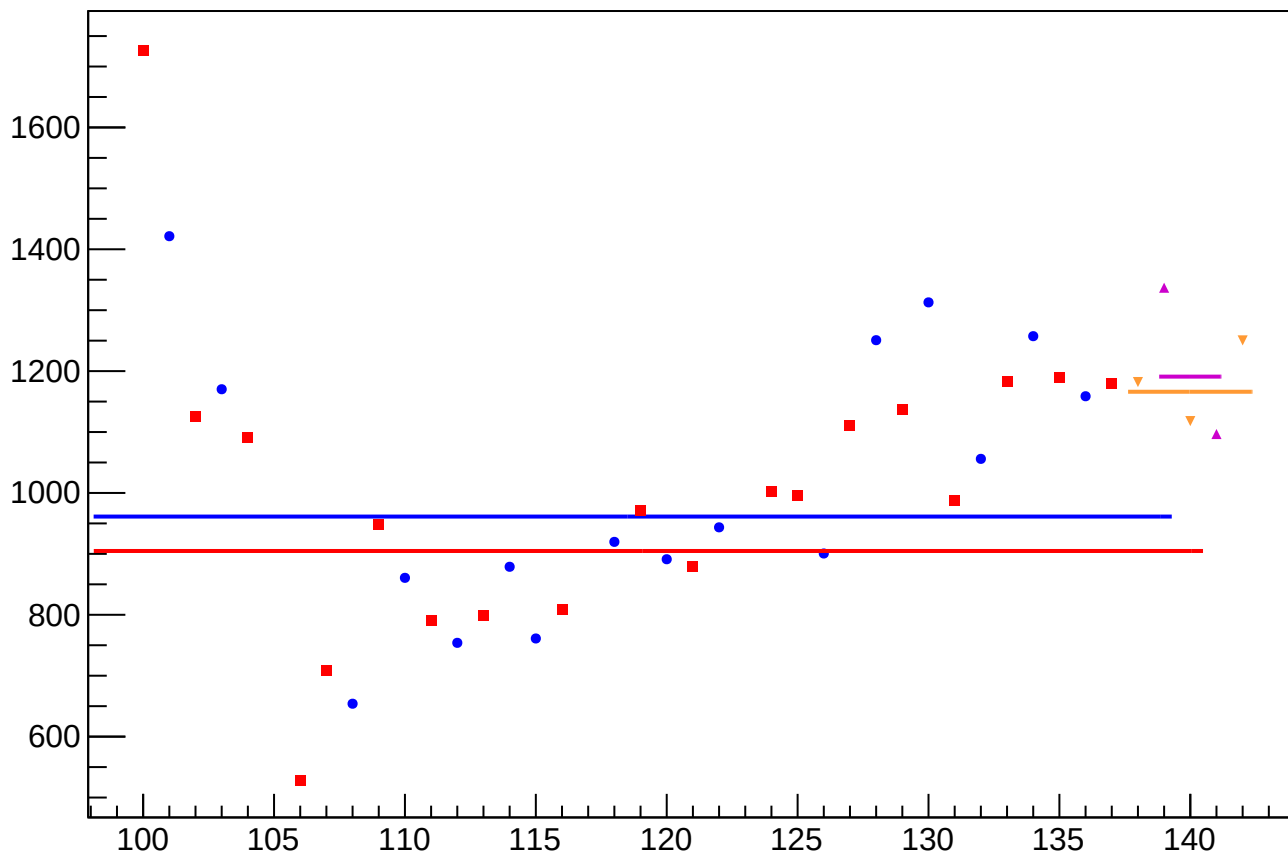
Left In: 436.270+/-912.262 χ^2/NDF : 0.0/1

+ sign -98.166+/-335.562 χ^2/NDF : 19.4/18

All: 131.508+/-231.240 χ^2/NDF : 37.7/39

- sign 339.204+/-319.102 χ^2/NDF : 17.4/20

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243 $\pm$ 0.260 χ^2 /NDF: 691875.4/15

Left Out: 1166.129 $\pm$ 0.578 χ^2 /NDF: 7356.2/2

Right Out: 904.736 $\pm$ 0.241 χ^2 /NDF: 736484.7/18

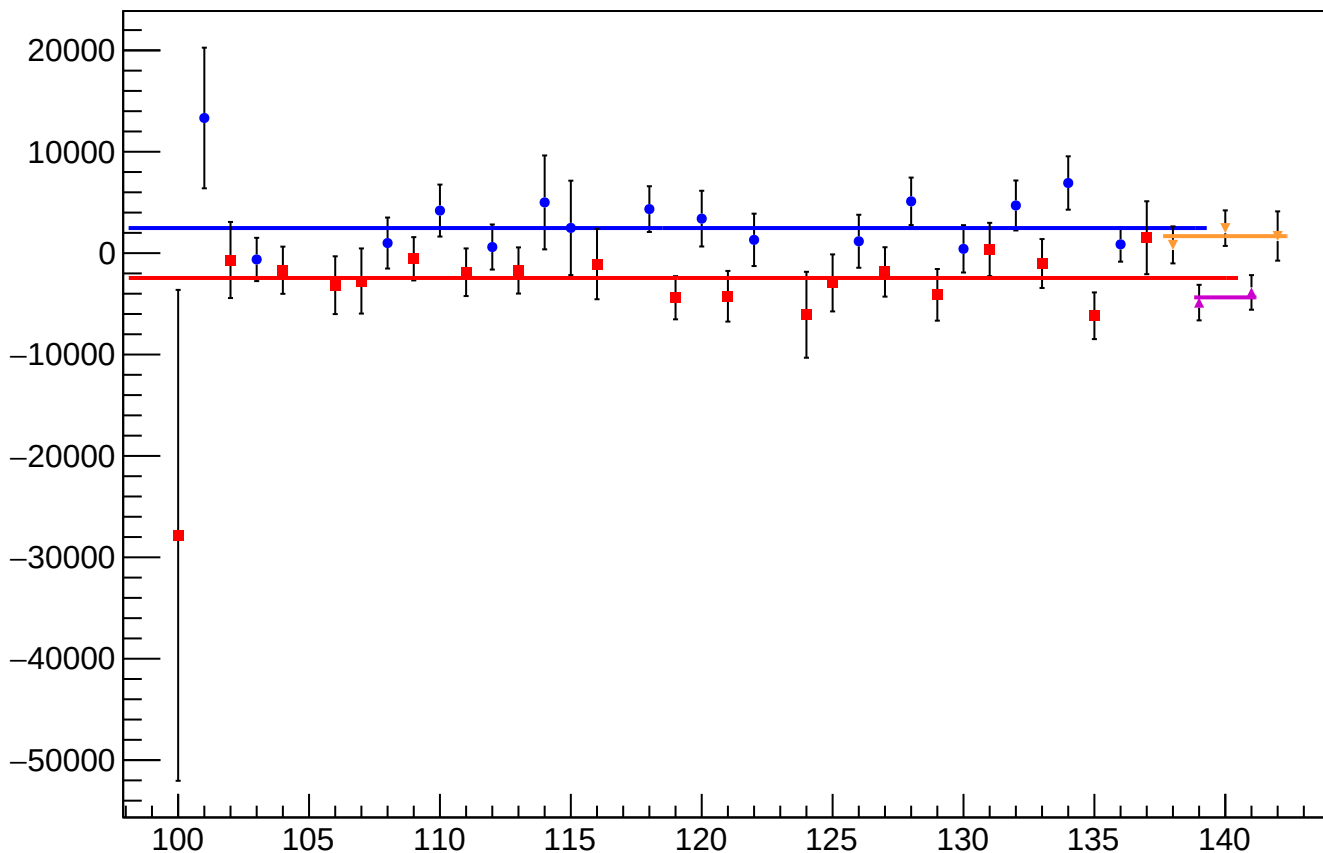
Left In: 1190.967 $\pm$ 0.645 χ^2 /NDF: 33048.4/1

+ sign 995.719 $\pm$ 0.237 χ^2 /NDF: 803583.5/18

All: 966.332 $\pm$ 0.164 χ^2 /NDF: 1775124.9/39

- sign 939.758 $\pm$ 0.226 χ^2 /NDF: 942332.3/20

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228 $\pm$ 633.866 χ^2/NDF : 14.2/15

Left Out: 1676.286 $\pm$ 1121.279 χ^2/NDF : 0.4/2

Right Out: -2449.053 $\pm$ 617.532 χ^2/NDF : 10.6/18

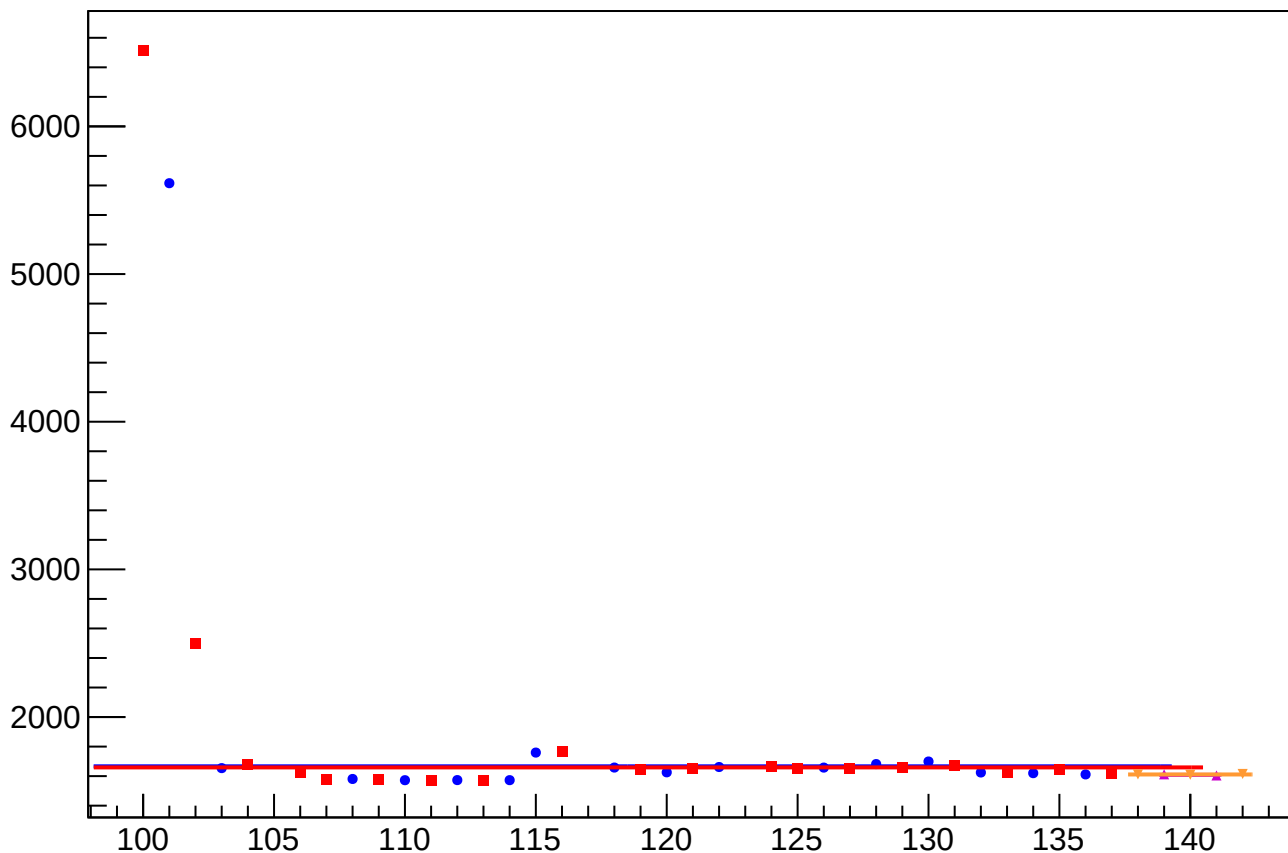
Left In: -4362.199 $\pm$ 1222.203 χ^2/NDF : 0.2/1

+ sign 2281.742 $\pm$ 551.799 χ^2/NDF : 15.0/18

All: -281.103 $\pm$ 389.959 χ^2/NDF : 70.8/39

- sign -2838.131 $\pm$ 551.173 χ^2/NDF : 12.7/20

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF : 662914.5/15

Left Out: 1611.243+/-0.793 χ^2/NDF : 6.2/2

Right Out: 1659.004+/-0.437 χ^2/NDF : 193223.5/18

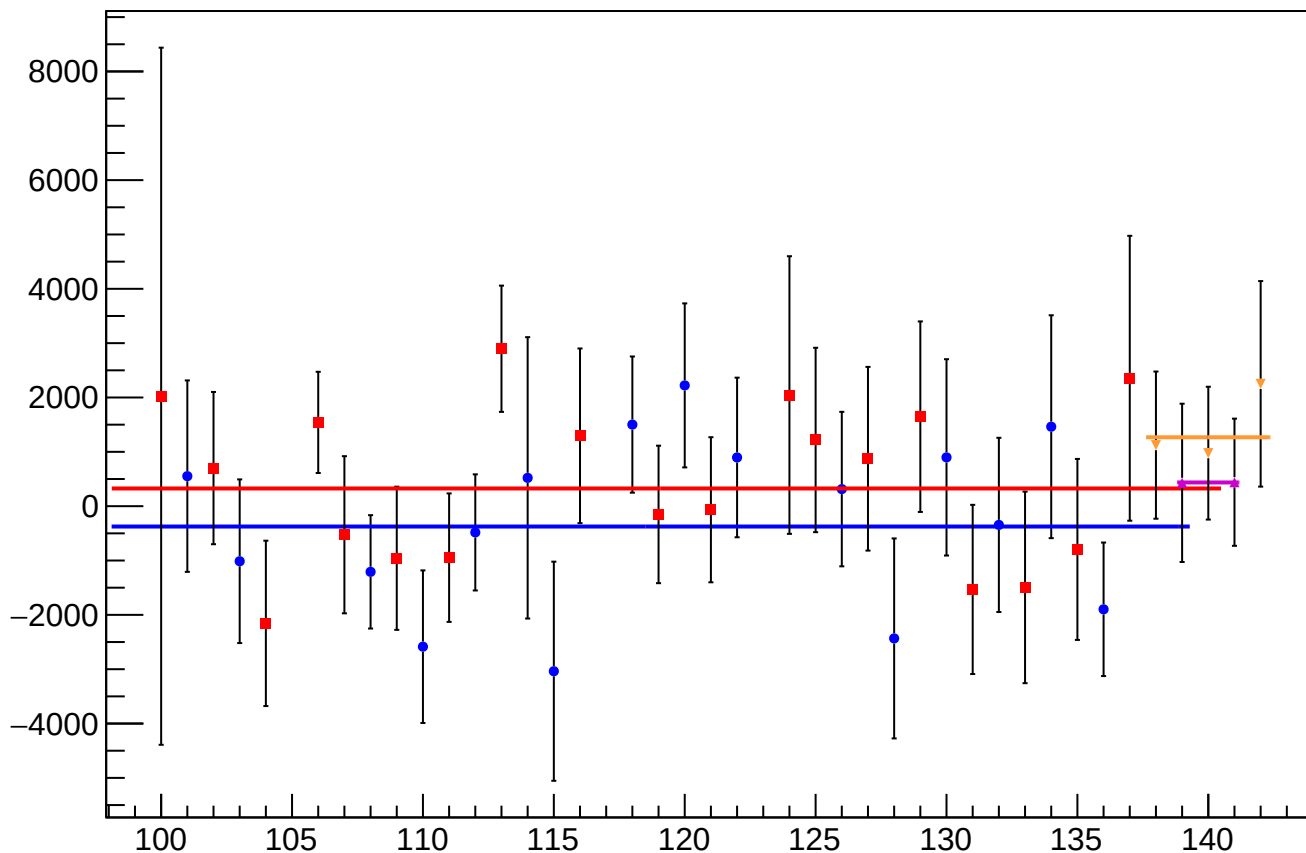
Left In: 1608.256+/-0.864 χ^2/NDF : 19.7/1

+ sign 1653.042+/-0.390 χ^2/NDF : 666588.3/18

All: 1650.860+/-0.276 χ^2/NDF : 862640.8/39

- sign 1648.684+/-0.390 χ^2/NDF : 195990.1/20

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug



Right In: -374.590 $\pm$ 367.943 χ^2 /NDF: 15.7/15

Left Out: 1268.159 $\pm$ 818.033 χ^2 /NDF: 0.3/2

Right Out: 325.670 $\pm$ 340.619 χ^2 /NDF: 17.4/18

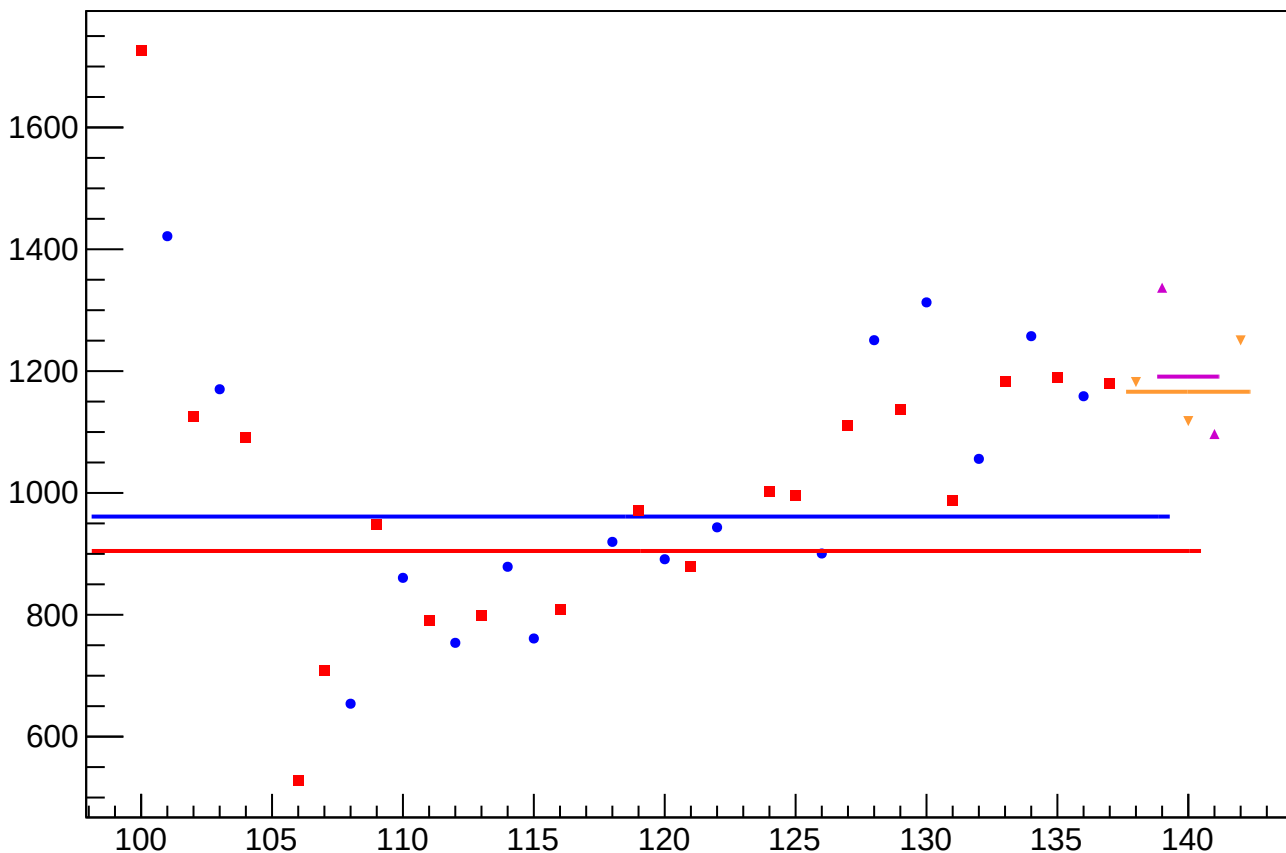
Left In: 436.274 $\pm$ 912.264 χ^2 /NDF: 0.0/1

+ sign -98.167 $\pm$ 335.562 χ^2 /NDF: 19.4/18

All: 131.507 $\pm$ 231.239 χ^2 /NDF: 37.7/39

- sign 339.203 $\pm$ 319.102 χ^2 /NDF: 17.4/20

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: 1166.132 $\pm$ 0.578 χ^2 /NDF: 7356.3/2

Right Out: 904.734 $\pm$ 0.241 χ^2 /NDF: 736482.2/18

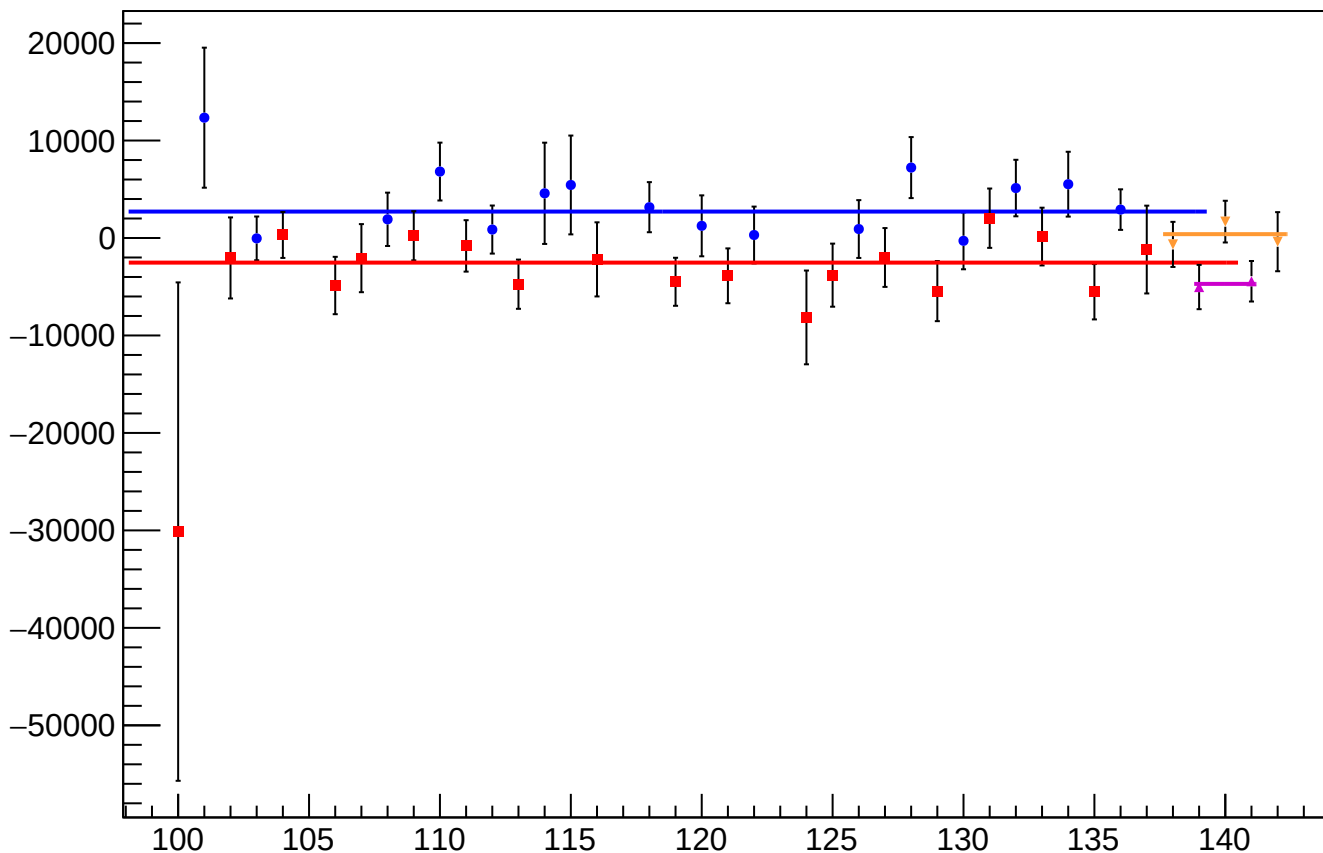
Left In: 1190.969 $\pm$ 0.645 χ^2 /NDF: 33048.6/1

+ sign 995.716 $\pm$ 0.237 χ^2 /NDF: 803597.8/18

All: 966.330 $\pm$ 0.164 χ^2 /NDF: 1775141.5/39

- sign 939.756 $\pm$ 0.226 χ^2 /NDF: 942335.5/20

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF : 12.1/15

Left Out: 394.790+/-1394.681 χ^2/NDF : 0.6/2

Right Out: -2525.536+/-706.449 χ^2/NDF : 13.2/18

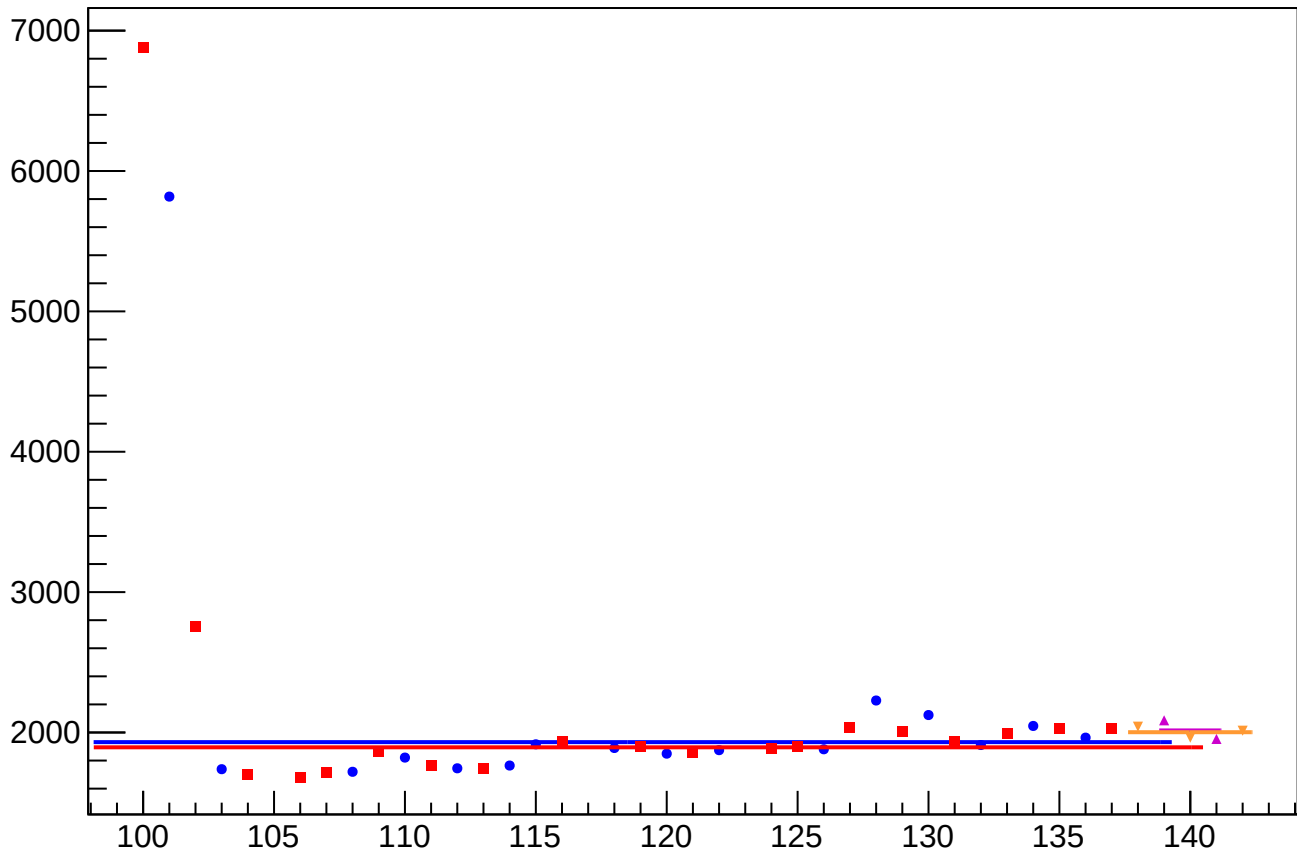
Left In: -4708.931+/-1533.186 χ^2/NDF : 0.0/1

+ sign 2207.756+/-650.292 χ^2/NDF : 14.9/18

All: -384.439+/-456.727 χ^2/NDF : 61.2/39

- sign -2907.912+/-641.614 χ^2/NDF : 15.0/20

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF : 661227.1/15

Left Out: 2001.981+/-0.986 χ^2/NDF : 1263.5/2

Right Out: 1894.349+/-0.500 χ^2/NDF : 220541.1/18

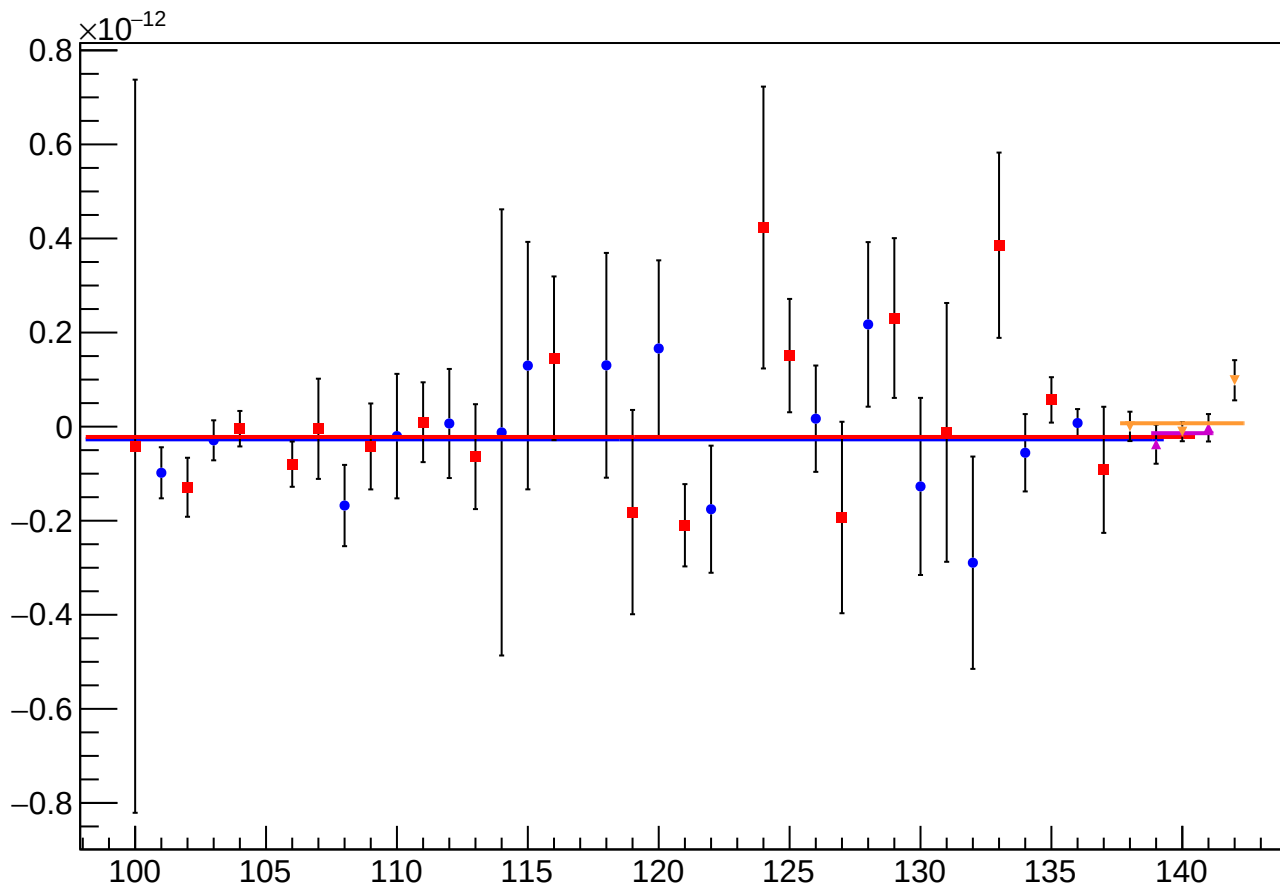
Left In: 2014.598+/-1.084 χ^2/NDF : 3711.7/1

+ sign 1946.627+/-0.460 χ^2/NDF : 666516.2/18

All: 1930.808+/-0.323 χ^2/NDF : 903253.1/39

- sign 1915.408+/-0.454 χ^2/NDF : 234401.1/20

asym_usr_atr1_avg_reg_vs_cor_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: 5.4/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.4/18

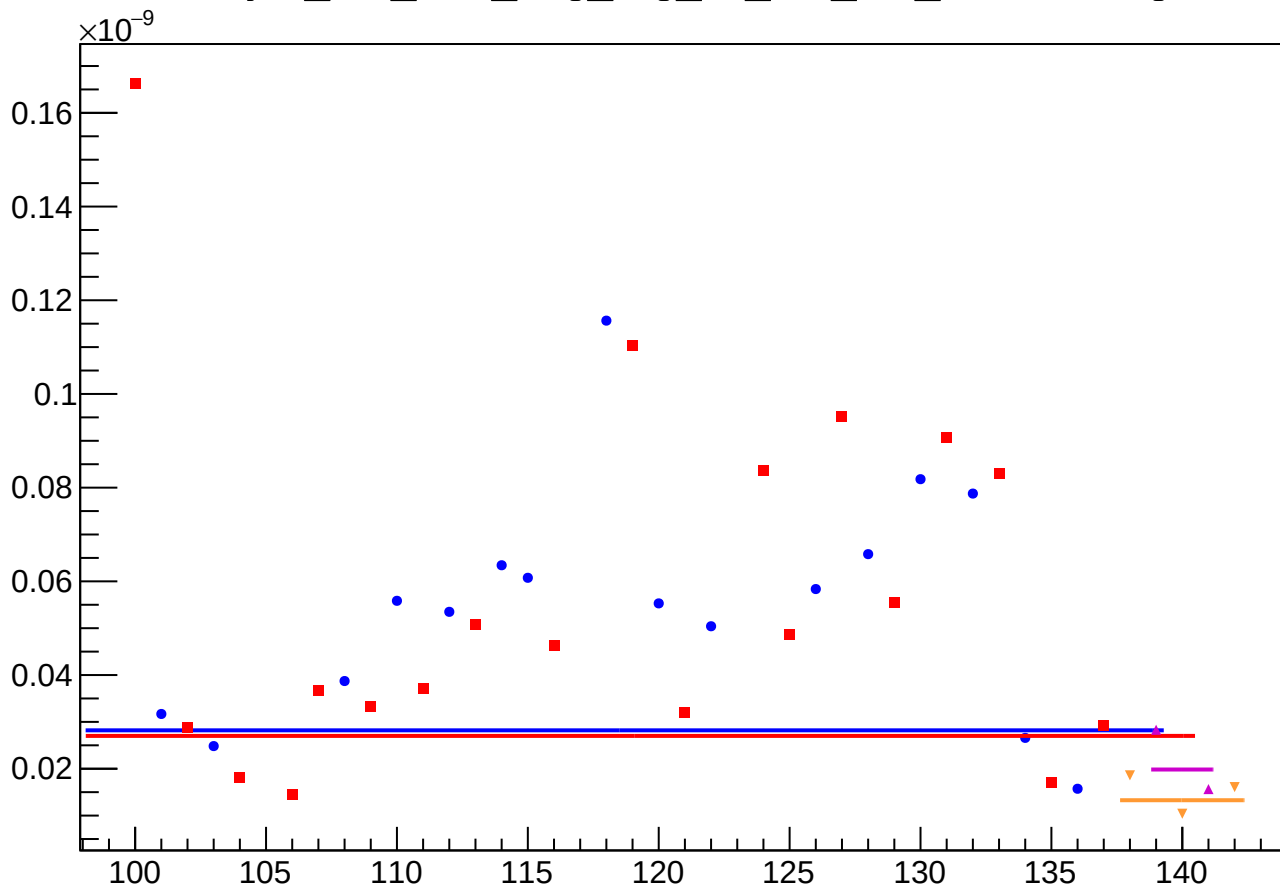
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.5/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.0/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 46.4/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.9/20

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1490571.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:106762.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1556165.9/18

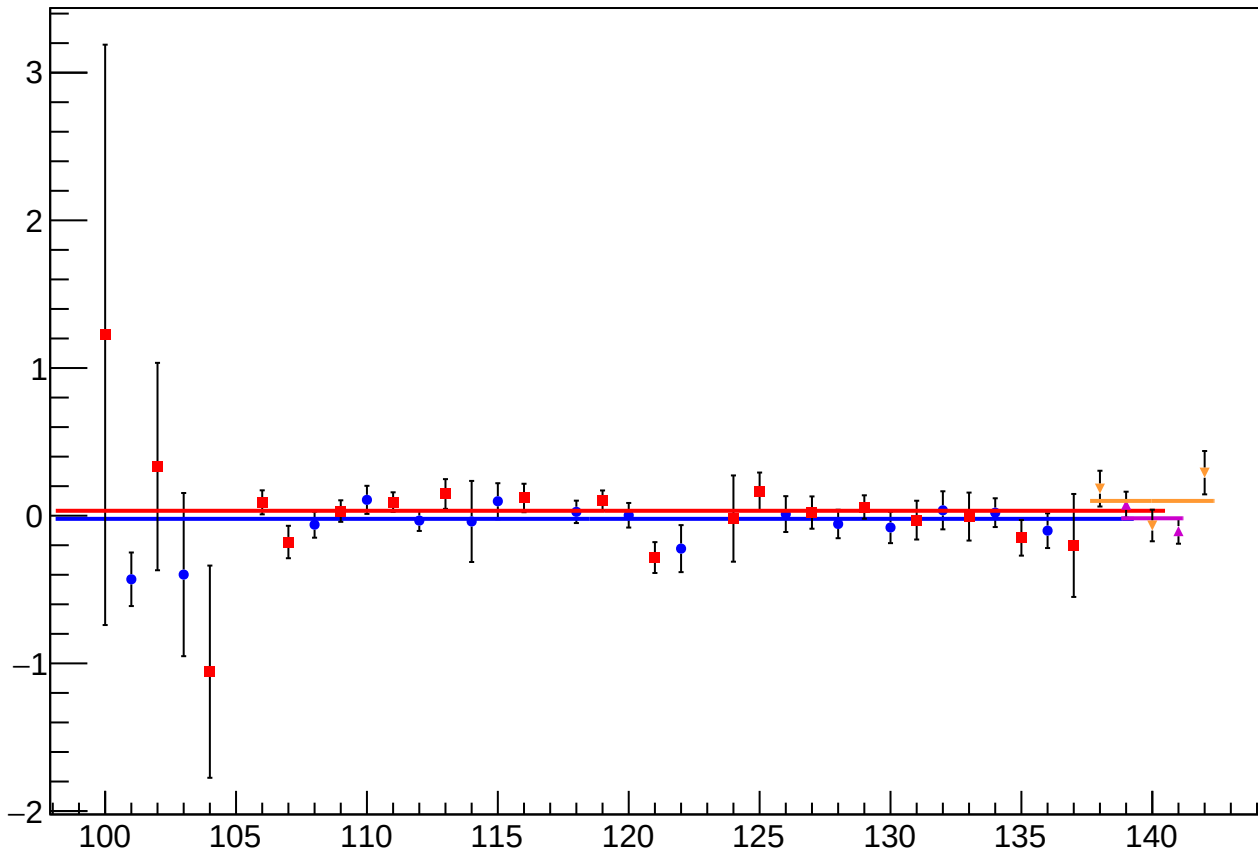
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:124426.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2318194.0/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 4232513.2/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1789636.8/20

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: 0.100 ± 0.070 χ^2/NDF : 4.6/2

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

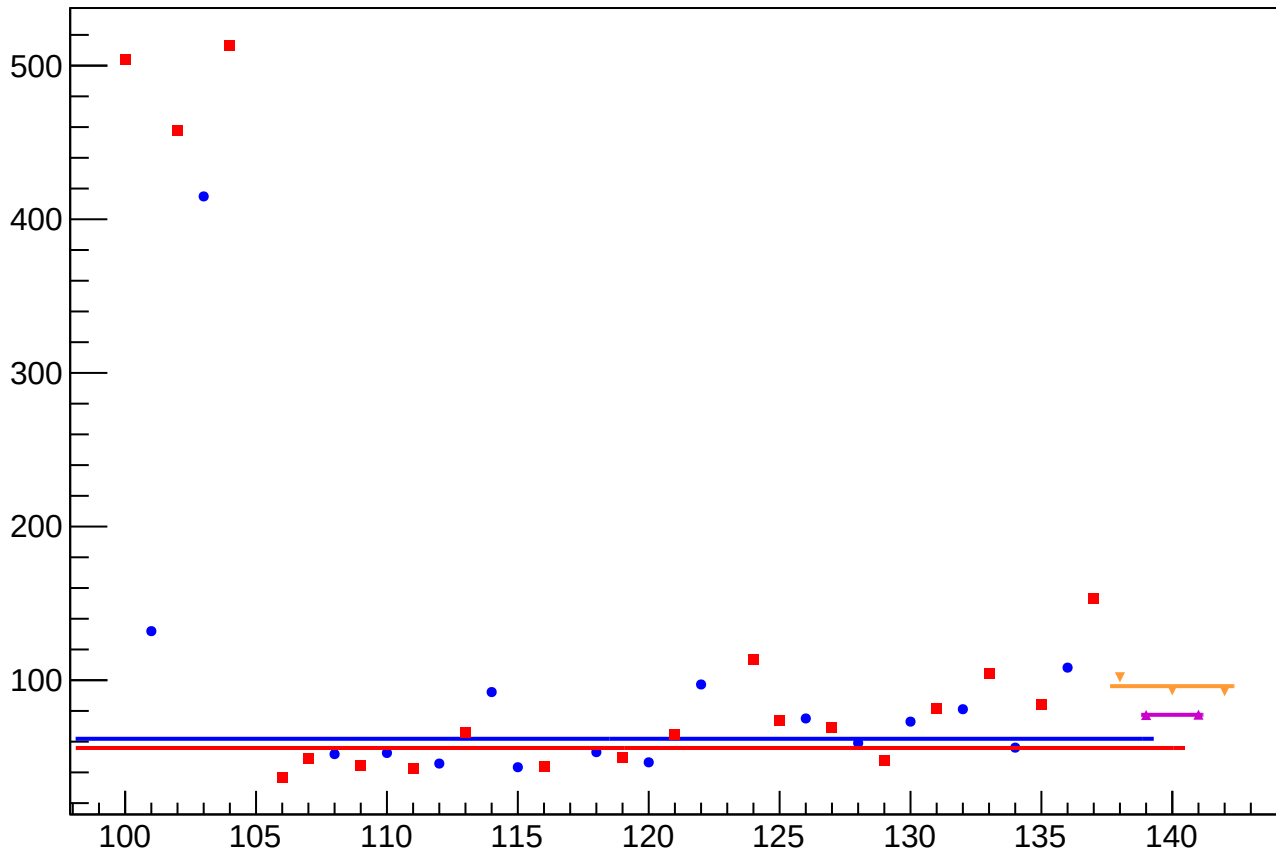
Left In: -0.018 ± 0.061 χ^2/NDF : 2.1/1

+ sign -0.006 ± 0.025 χ^2/NDF : 19.2/18

All: 0.011 ± 0.017 χ^2/NDF : 47.2/39

- sign 0.026 ± 0.023 χ^2/NDF : 27.1/20

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF : 1937953.9/15

Left Out: 96.126+/-0.050 χ^2/NDF : 6885.5/2

Right Out: 55.887+/-0.017 χ^2/NDF : 2591275.8/18

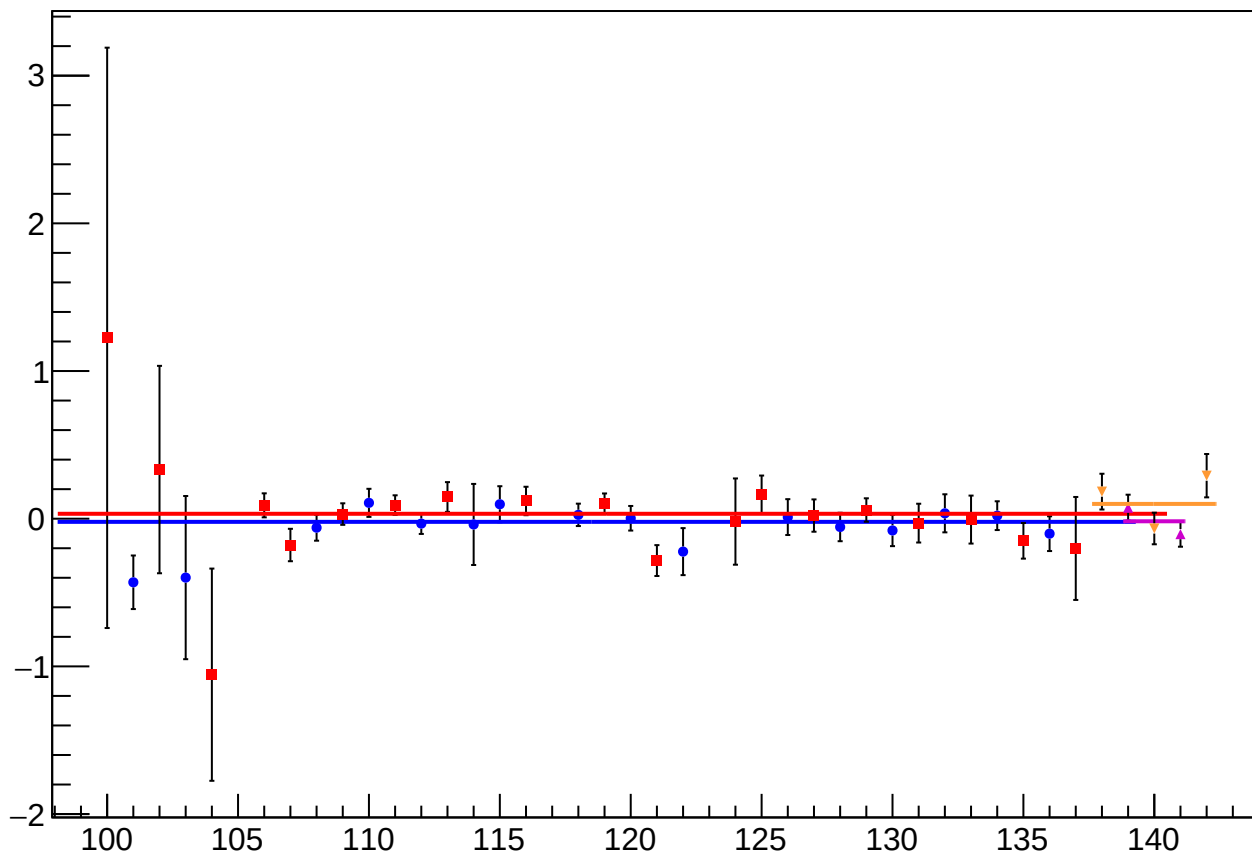
Left In: 77.474+/-0.043 χ^2/NDF : 6.9/1

+ sign 66.148+/-0.018 χ^2/NDF : 2359812.8/18

All: 62.208+/-0.012 χ^2/NDF : 5257979.5/39

- sign 58.885+/-0.016 χ^2/NDF : 2805427.4/20

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: 0.100 ± 0.070 χ^2/NDF : 4.6/2

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

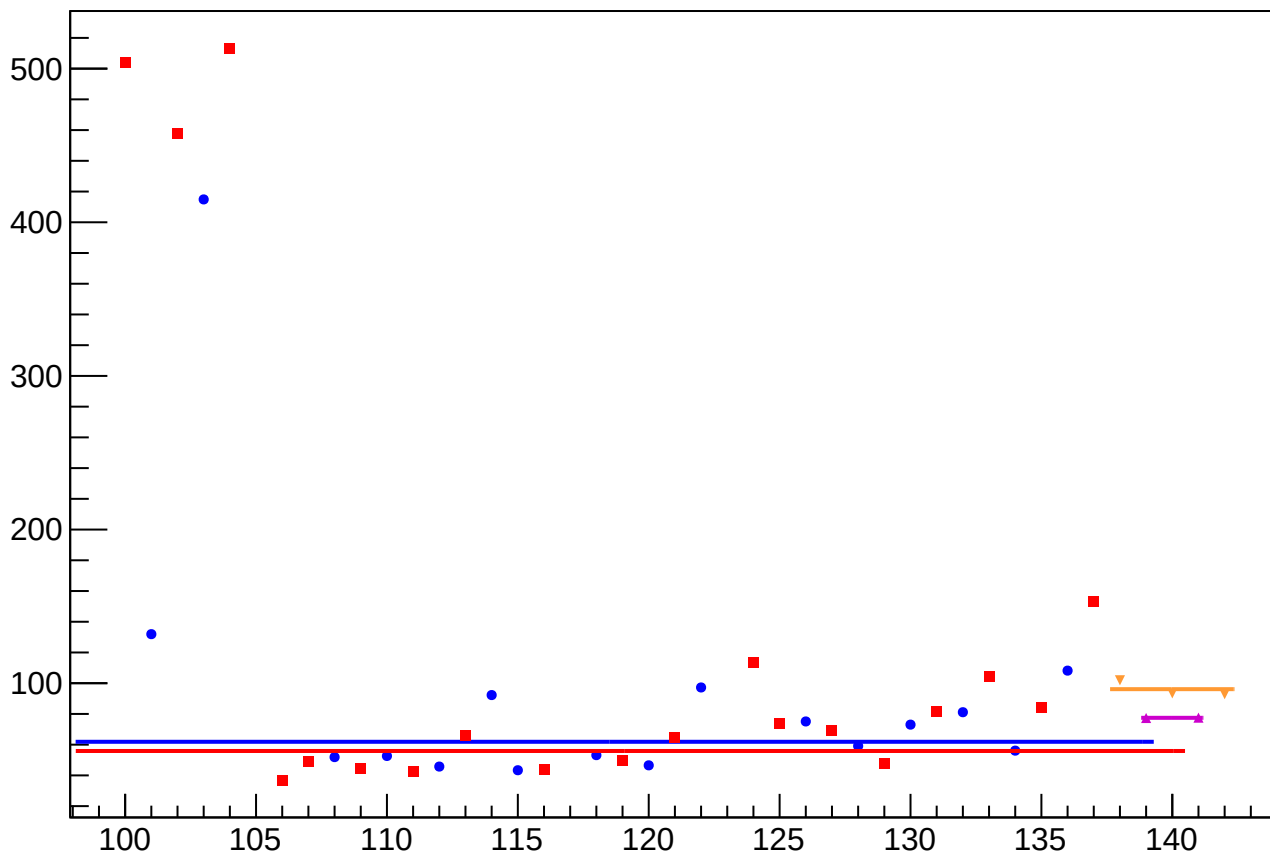
Left In: -0.018 ± 0.061 χ^2/NDF : 2.1/1

+ sign -0.006 ± 0.025 χ^2/NDF : 19.2/18

All: 0.011 ± 0.017 χ^2/NDF : 47.2/39

- sign 0.026 ± 0.023 χ^2/NDF : 27.1/20

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.876 $\pm$ 0.019 χ^2 /NDF: 1937953.9/15

Left Out: 96.126 $\pm$ 0.050 χ^2 /NDF: 6885.5/2

Right Out: 55.887 $\pm$ 0.017 χ^2 /NDF: 2591275.8/18

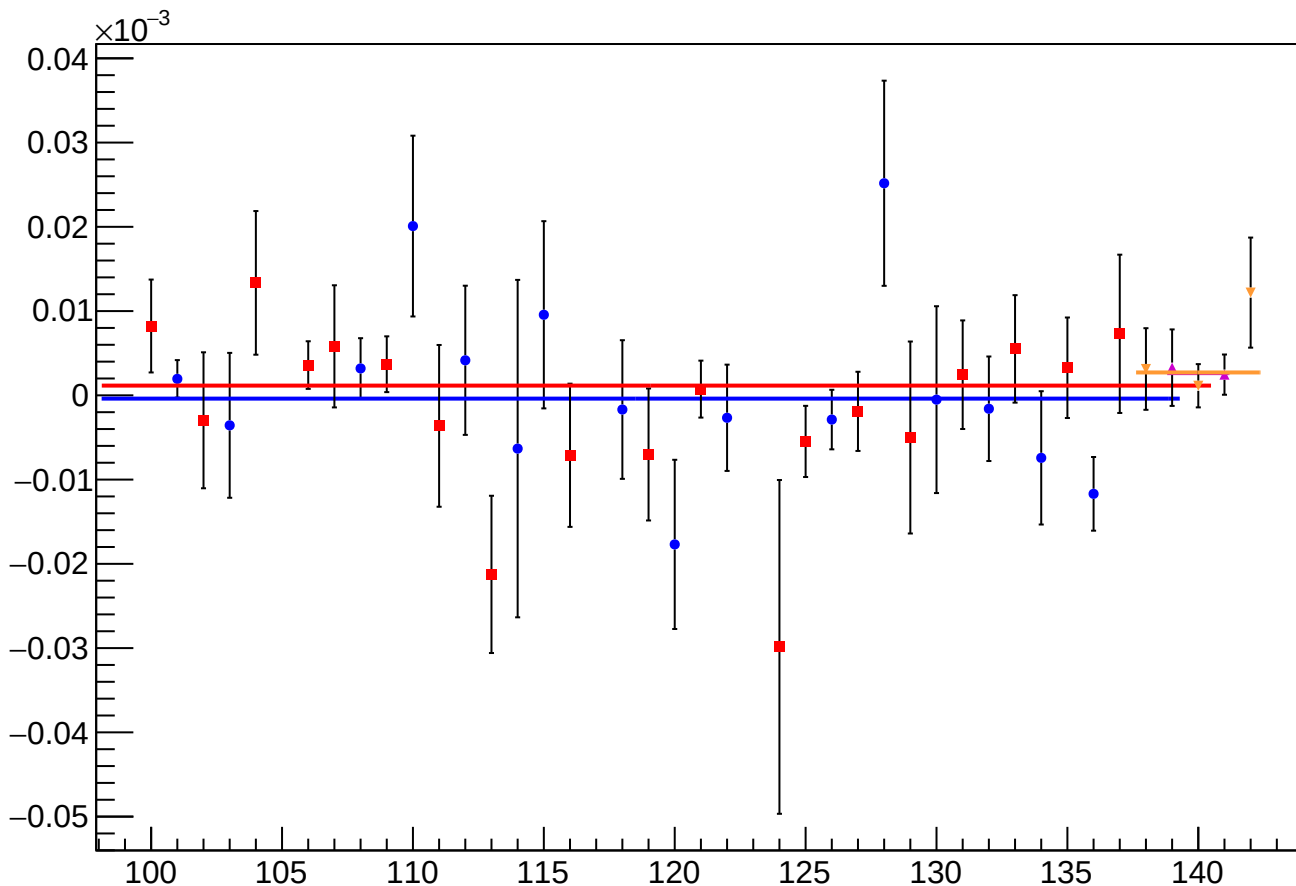
Left In: 77.474 $\pm$ 0.043 χ^2 /NDF: 6.9/1

+ sign 66.148 $\pm$ 0.018 χ^2 /NDF: 2359812.8/18

All: 62.208 $\pm$ 0.012 χ^2 /NDF: 5257979.5/39

- sign 58.885 $\pm$ 0.016 χ^2 /NDF: 2805427.4/20

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: 2.5/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/18

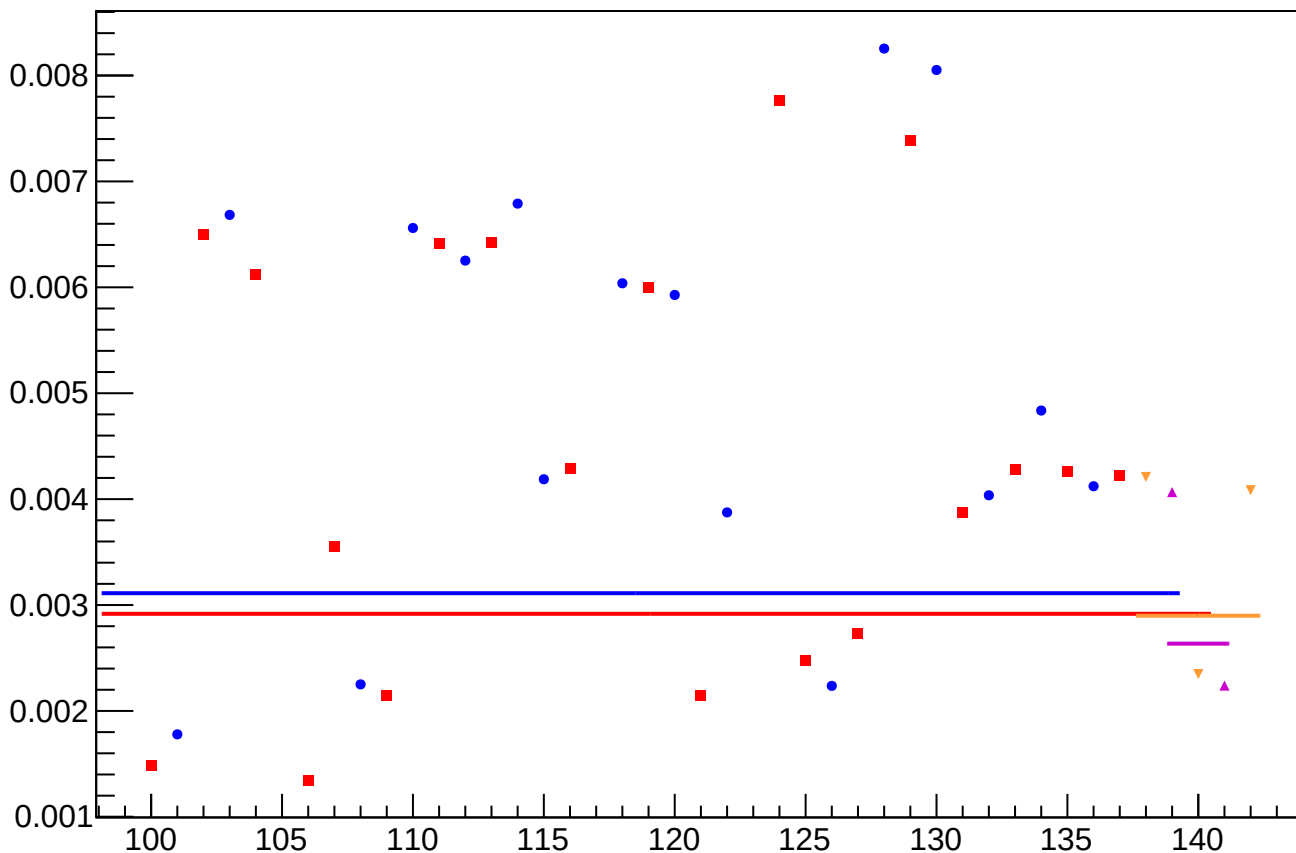
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.6/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.9/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.8/20

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: 0.003+/-0.000 χ^2/NDF : 304242.2/2

Right Out: 0.003+/-0.000 χ^2/NDF : 3295506.1/18

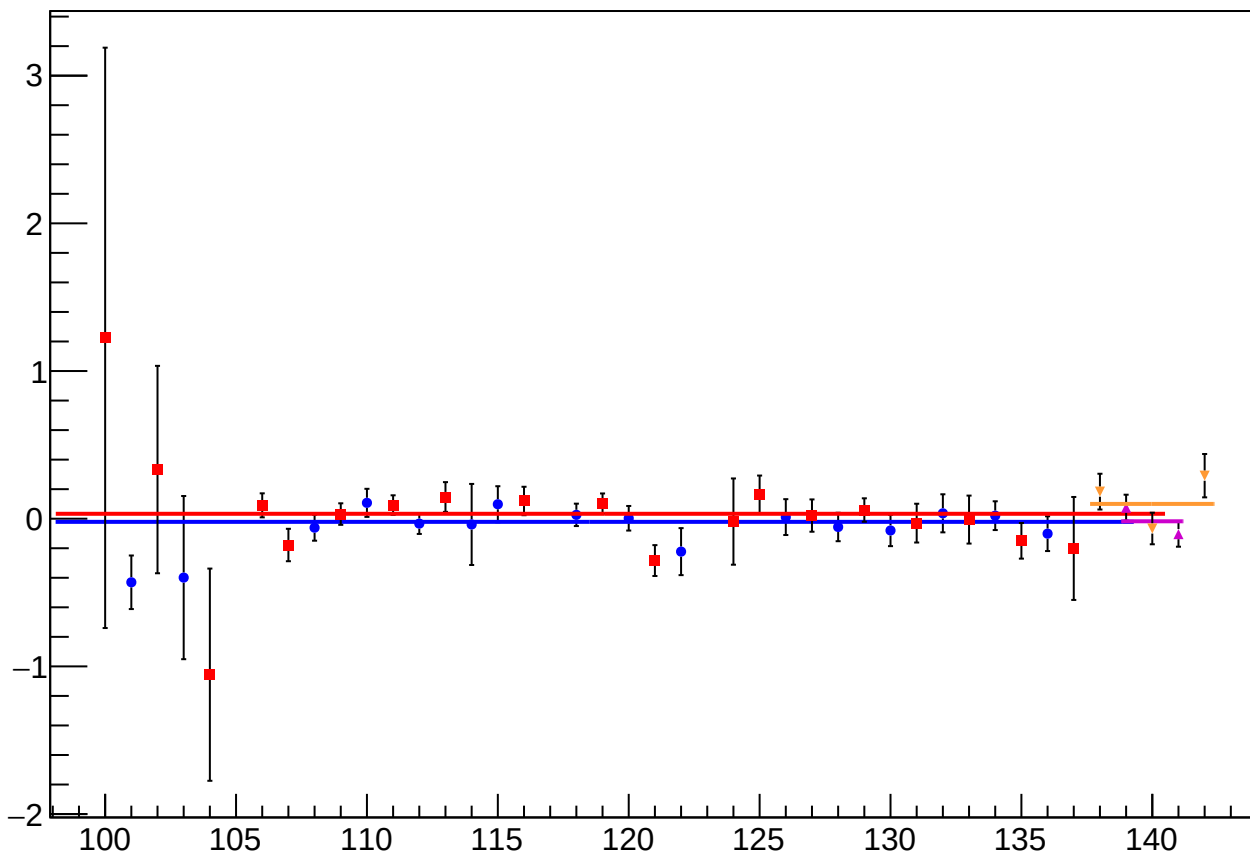
Left In: 0.003+/-0.000 χ^2/NDF : 253783.9/1

+ sign 0.003+/-0.000 χ^2/NDF : 3602343.4/18

All: 0.003+/-0.000 χ^2/NDF : 7213627.3/39

- sign 0.003+/-0.000 χ^2/NDF : 3575597.8/20

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.027 $\chi^2/\text{NDF}: 12.0/15$

Left Out: 0.100 ± 0.070 $\chi^2/\text{NDF}: 4.6/2$

Right Out: 0.033 ± 0.025 $\chi^2/\text{NDF}: 24.4/18$

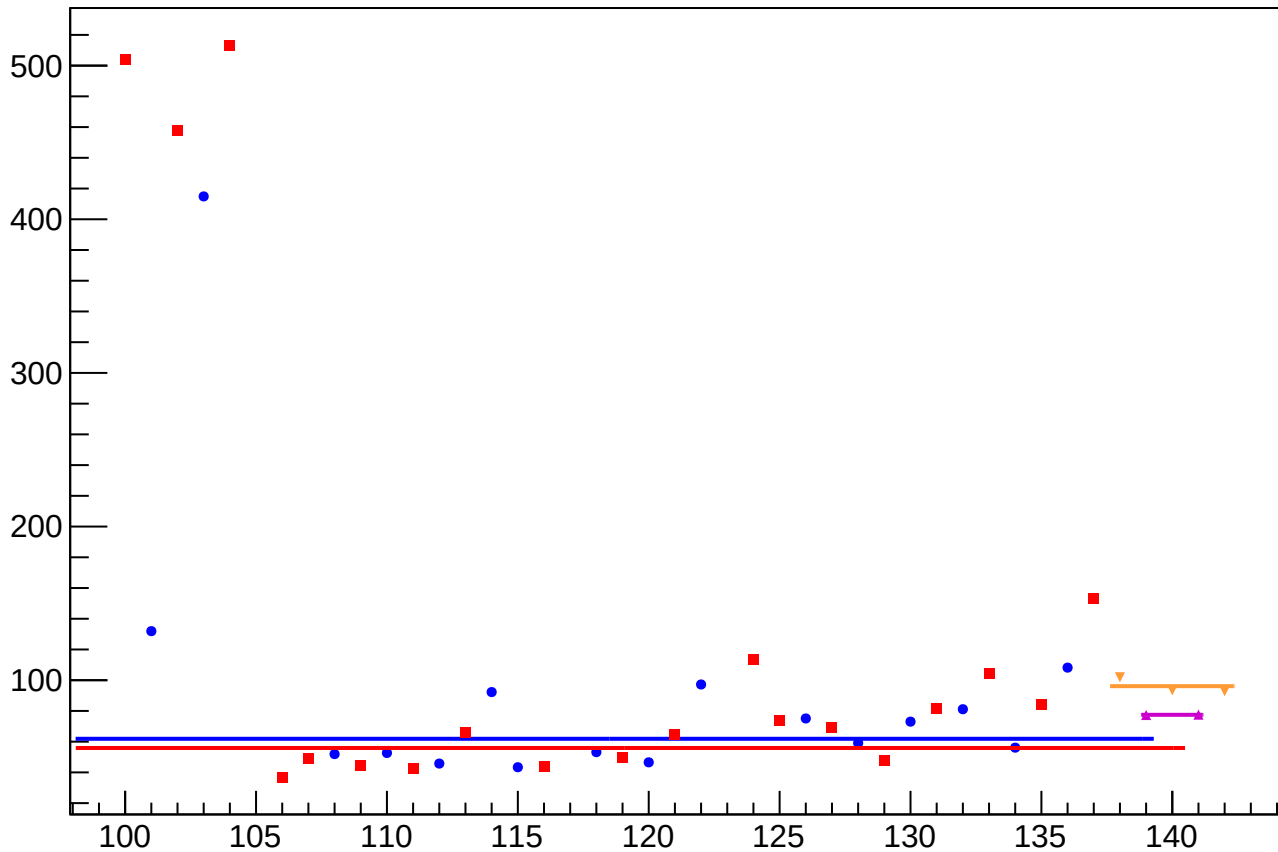
Left In: -0.018 ± 0.061 $\chi^2/\text{NDF}: 2.1/1$

+ sign -0.006 ± 0.025 $\chi^2/\text{NDF}: 19.2/18$

All: 0.011 ± 0.017 $\chi^2/\text{NDF}: 47.2/39$

- sign 0.026 ± 0.023 $\chi^2/\text{NDF}: 27.1/20$

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.875+/-0.019 χ^2/NDF : 1937904.4/15

Left Out: 96.126+/-0.050 χ^2/NDF : 6886.1/2

Right Out: 55.886+/-0.017 χ^2/NDF : 2591233.7/18

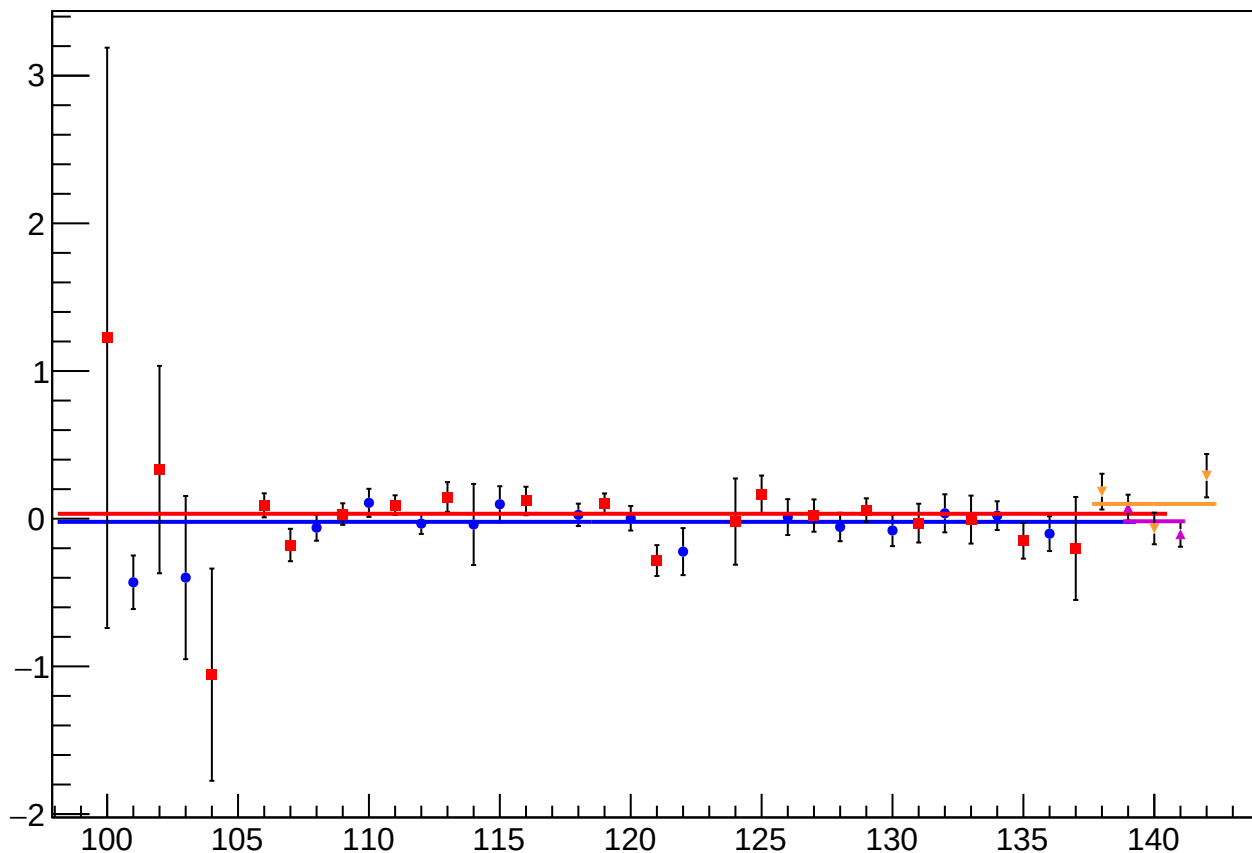
Left In: 77.475+/-0.043 χ^2/NDF : 6.8/1

+ sign 66.148+/-0.018 χ^2/NDF : 2359786.3/18

All: 62.207+/-0.012 χ^2/NDF : 5257935.7/39

- sign 58.884+/-0.016 χ^2/NDF : 2805405.5/20

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: 0.100 ± 0.070 χ^2/NDF : 4.6/2

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

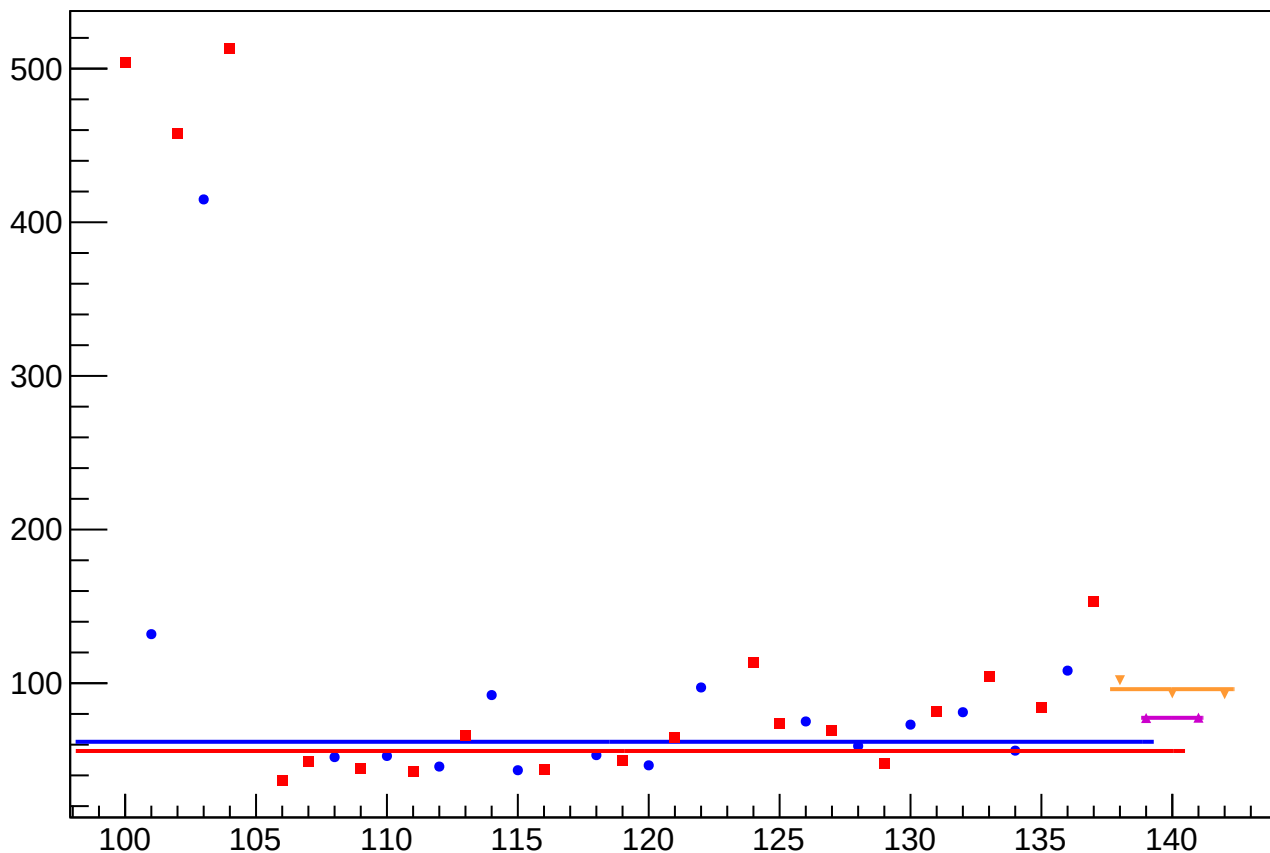
Left In: -0.018 ± 0.061 χ^2/NDF : 2.1/1

+ sign -0.006 ± 0.025 χ^2/NDF : 19.2/18

All: 0.011 ± 0.017 χ^2/NDF : 47.2/39

- sign 0.026 ± 0.023 χ^2/NDF : 27.1/20

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.875 $\pm$ 0.019 χ^2 /NDF: 1937904.4/15

Left Out: 96.126 $\pm$ 0.050 χ^2 /NDF: 6886.1/2

Right Out: 55.886 $\pm$ 0.017 χ^2 /NDF: 2591233.7/18

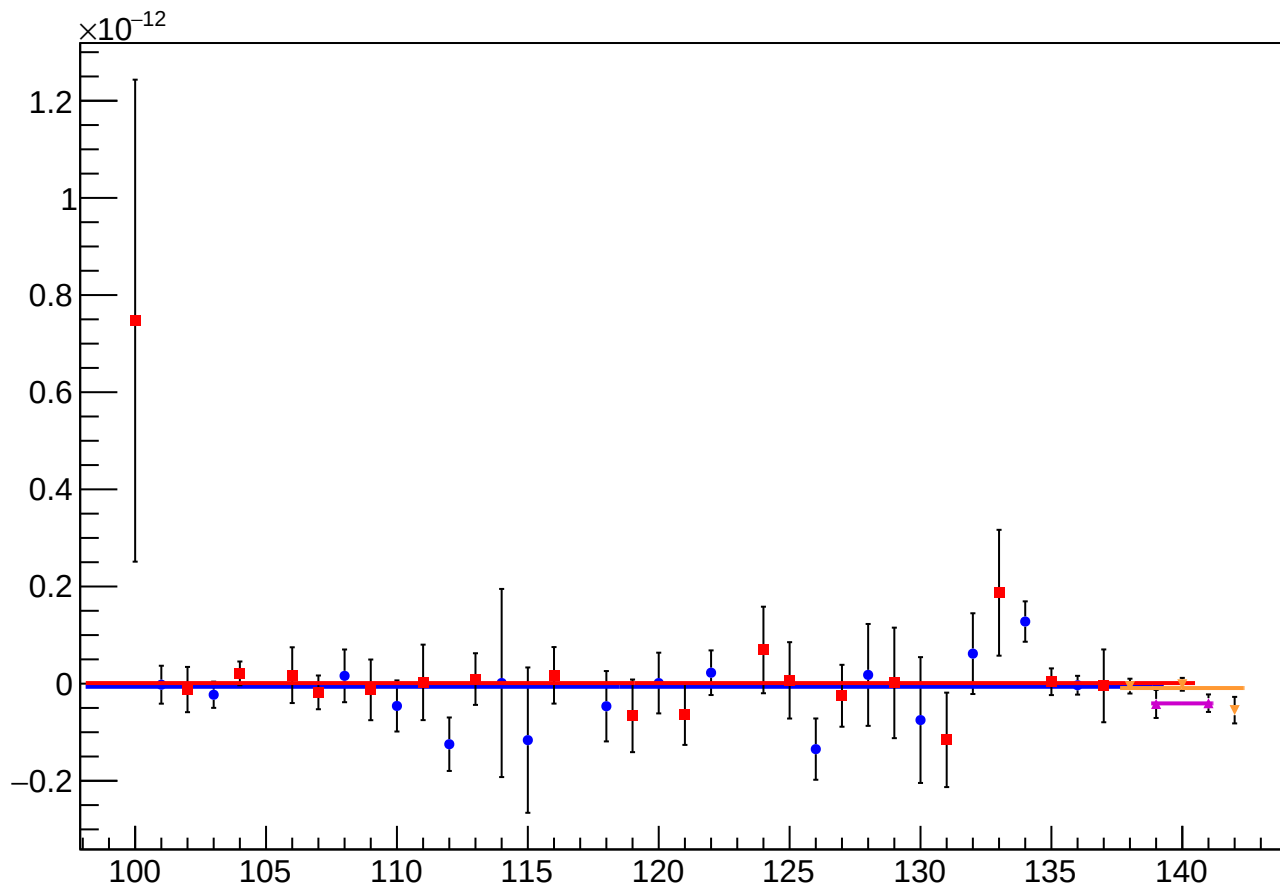
Left In: 77.475 $\pm$ 0.043 χ^2 /NDF: 6.8/1

+ sign 66.148 $\pm$ 0.018 χ^2 /NDF: 2359786.3/18

All: 62.207 $\pm$ 0.012 χ^2 /NDF: 5257935.7/39

- sign 58.884 $\pm$ 0.016 χ^2 /NDF: 2805405.5/20

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 : 3.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 9.7/18

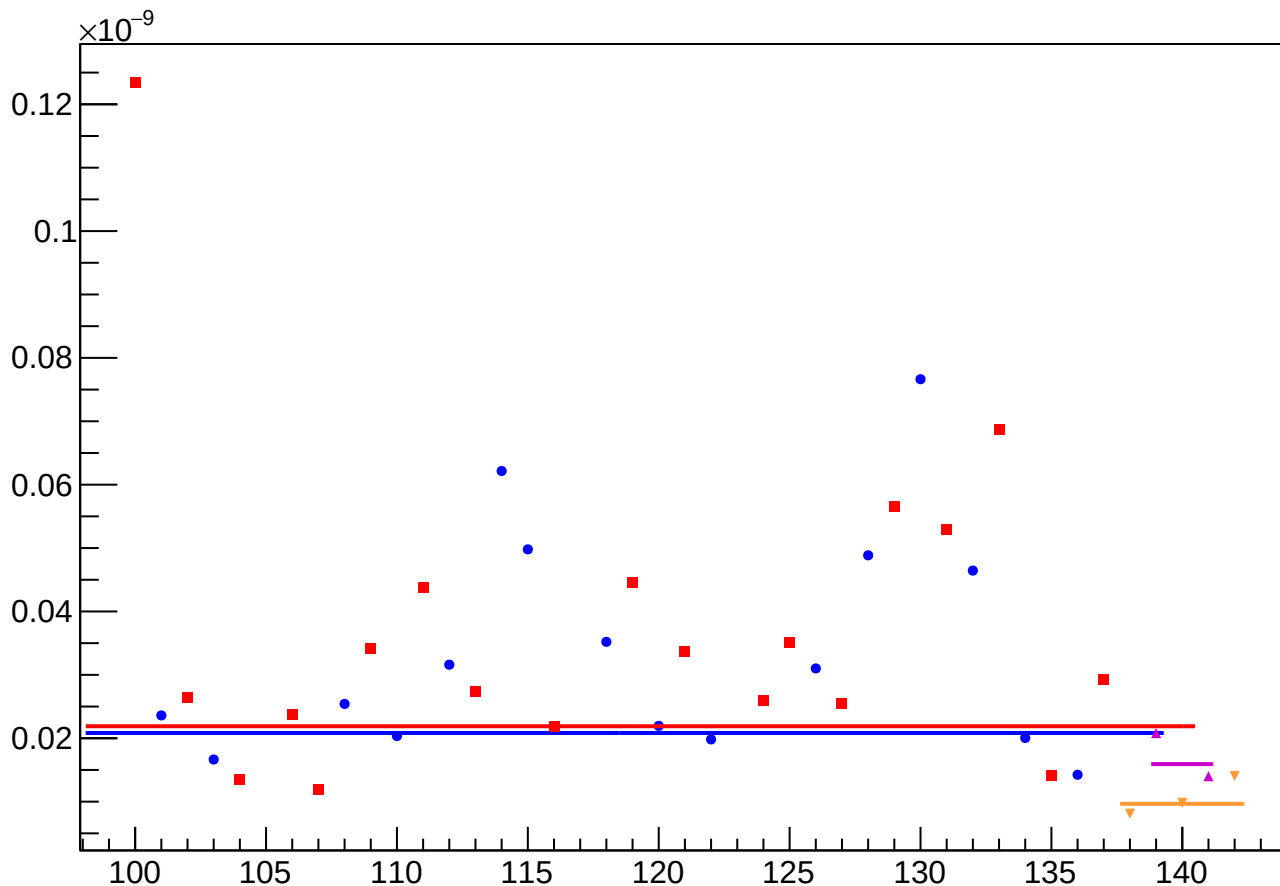
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 25.8/18

All: -0.000+/-0.000 χ^2/NDF : 40.5/39

- sign -0.000+/-0.000 χ^2/NDF : 14.4/20

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 : 72490.2/2

Right Out: 0.000 +/- 0.000 χ^2/NDF : 1906656.1/18

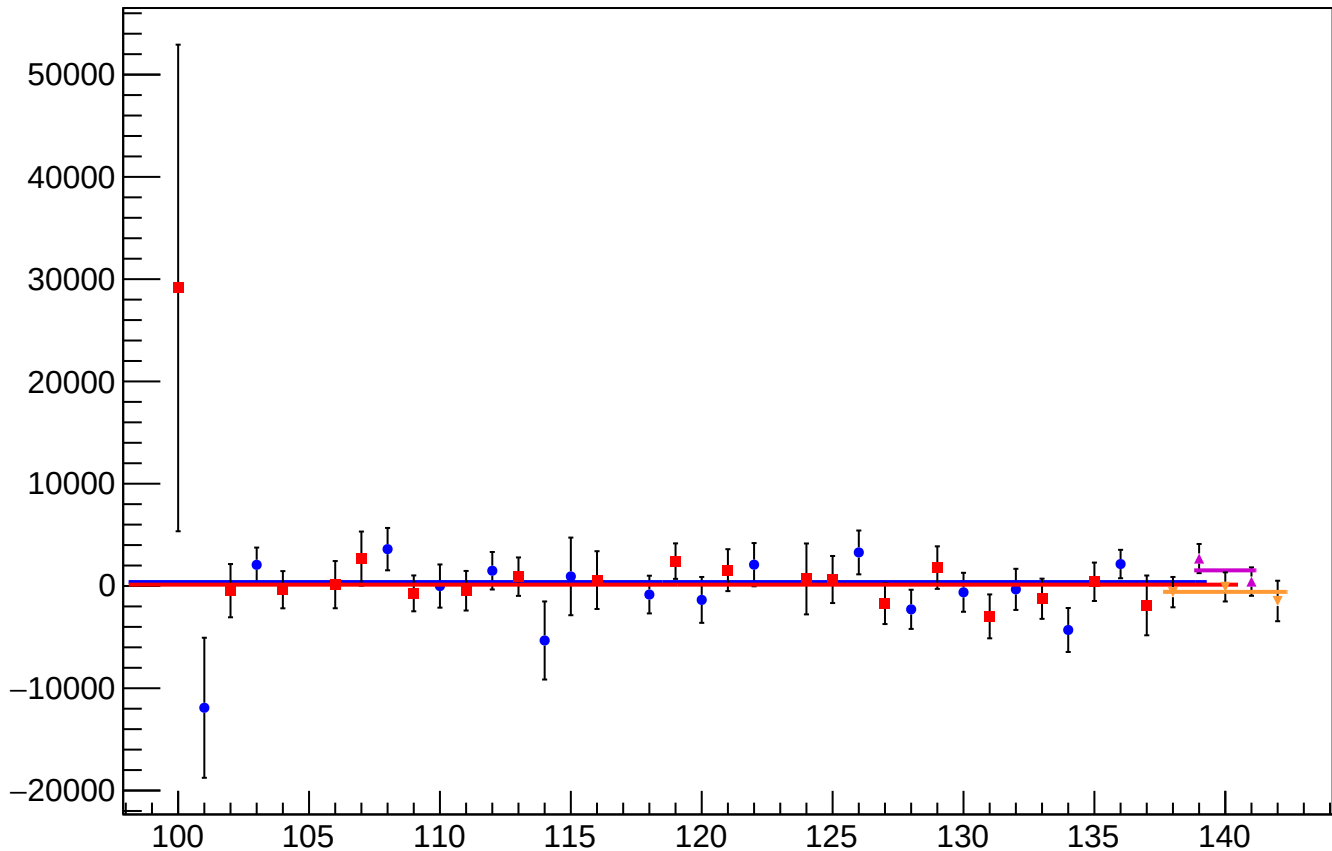
Left In: 0.000 +/- 0.000 χ^2/NDF : 80001.9/1

+ sign 0.000 +/- 0.000 χ^2/NDF : 2617238.8/18

All: 0.000 +/- 0.000 χ^2/NDF : 5212045.4/39

- sign 0.000 +/- 0.000 χ^2/NDF : 2176668.6/20

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403 $\pm$ 517.789 χ^2 /NDF: 21.5/15

Left Out: -575.997 $\pm$ 911.785 χ^2 /NDF: 0.3/2

Right Out: 127.929 $\pm$ 500.988 χ^2 /NDF: 10.0/18

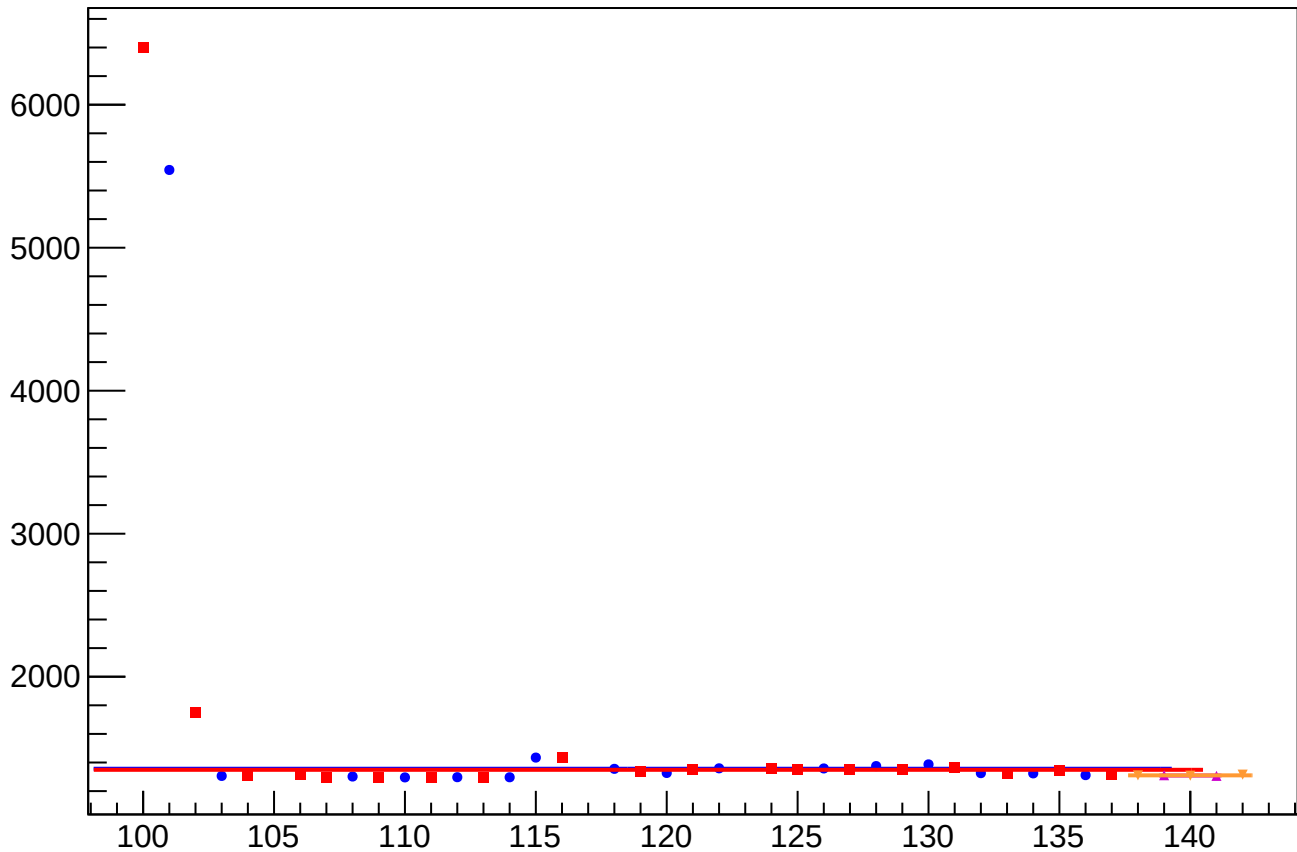
Left In: 1526.990 $\pm$ 994.584 χ^2 /NDF: 1.3/1

+ sign 147.939 $\pm$ 450.252 χ^2 /NDF: 22.7/18

All: 280.332 $\pm$ 317.374 χ^2 /NDF: 35.7/39

- sign 411.072 $\pm$ 447.431 χ^2 /NDF: 12.8/20

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397 $\pm$ 0.366 χ^2 /NDF: 760266.3/15

Left Out: 1310.233 $\pm$ 0.645 χ^2 /NDF:18.0/2

Right Out: 1348.975 $\pm$ 0.354 χ^2 /NDF: 147265.6/18

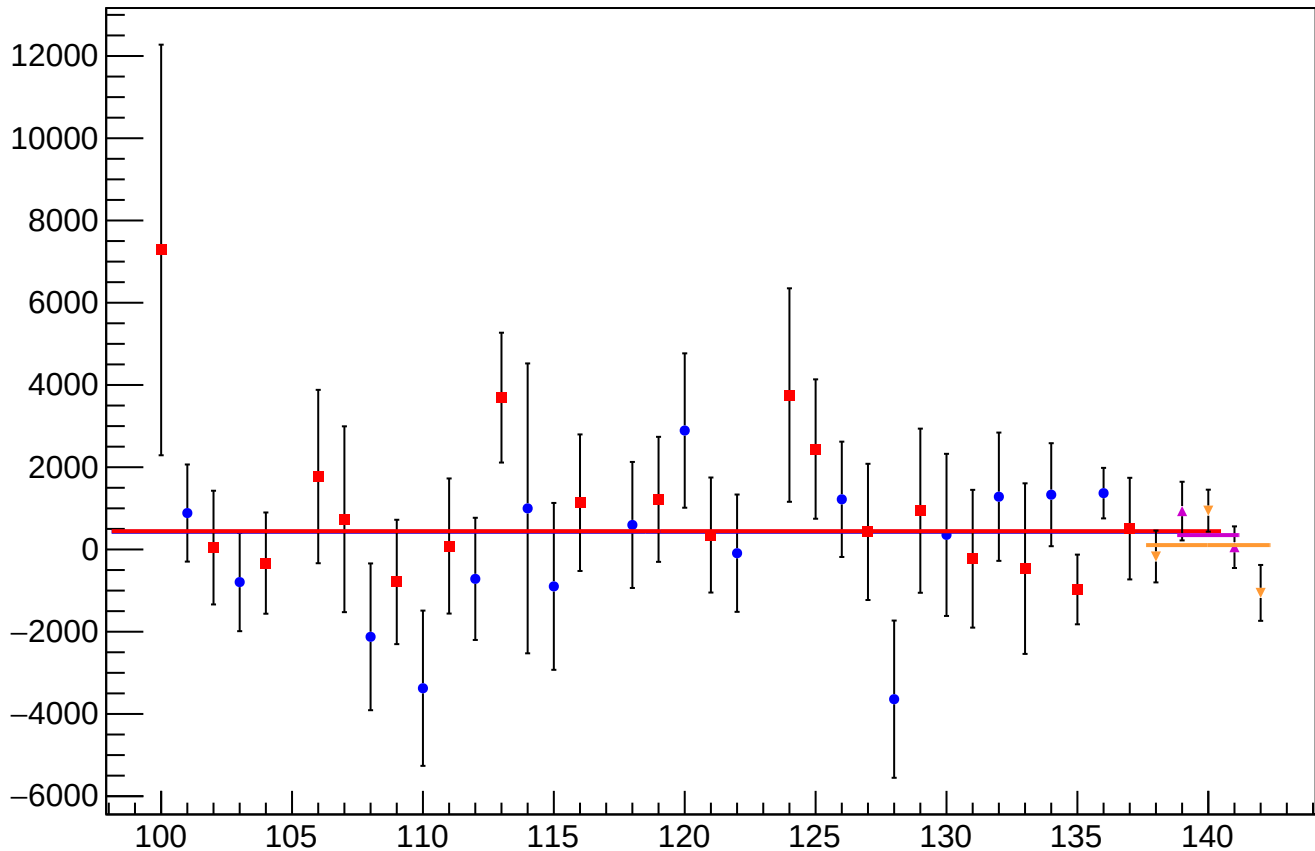
Left In: 1308.853 $\pm$ 0.703 χ^2 /NDF:10.0/1

+ sign 1345.140 $\pm$ 0.318 χ^2 /NDF: 764161.1/18

All: 1342.984 $\pm$ 0.224 χ^2 /NDF: 914123.8/39

- sign 1340.855 $\pm$ 0.316 χ^2 /NDF: 149871.6/20

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF : 18.2/15

Left Out: 106.309+/-342.379 χ^2/NDF : 5.8/2

Right Out: 444.555+/-355.594 χ^2/NDF : 14.4/18

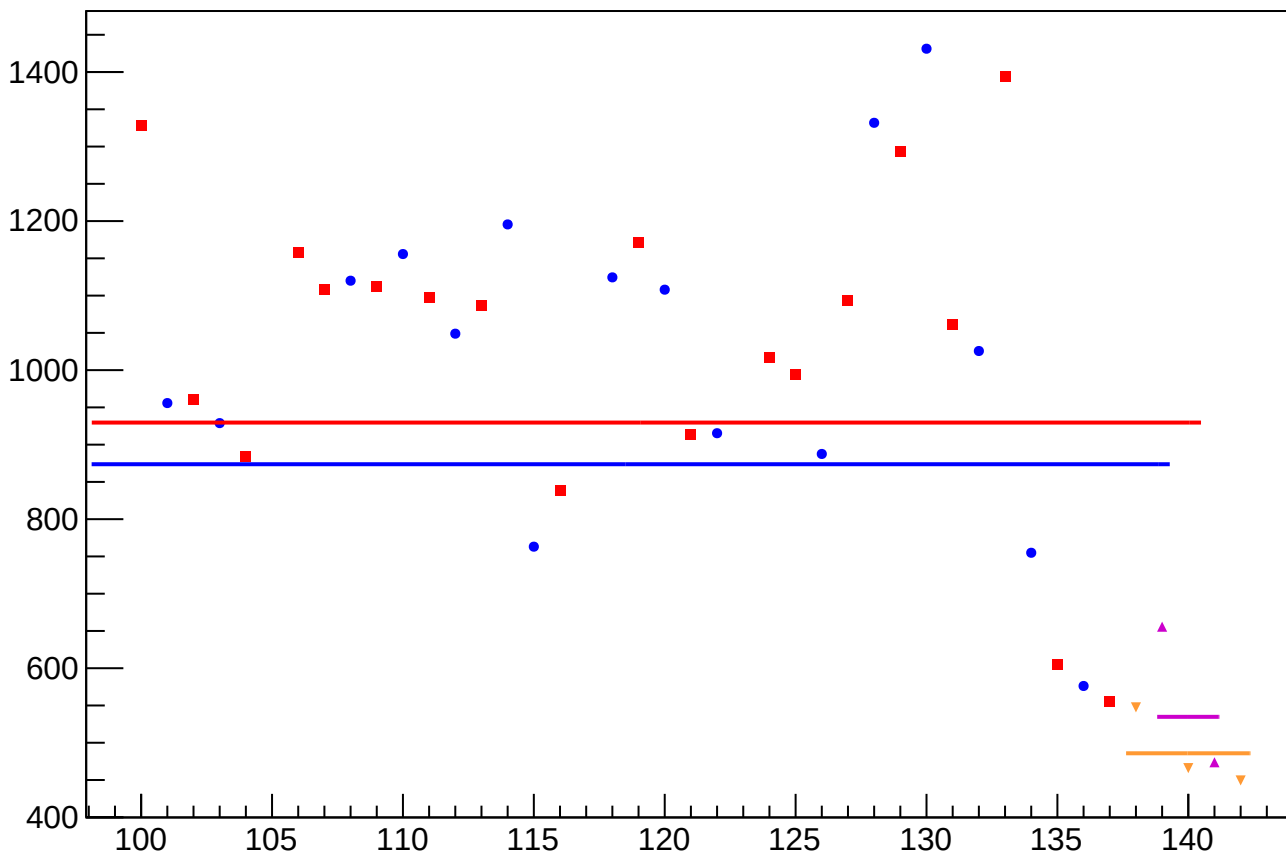
Left In: 349.563+/-412.767 χ^2/NDF : 1.0/1

+ sign 270.201+/-240.701 χ^2/NDF : 24.5/18

All: 329.634+/-179.495 χ^2/NDF : 40.1/39

- sign 404.088+/-269.408 χ^2/NDF : 15.4/20

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733 $\pm$ 0.239 χ^2 /NDF: 1014860.8/15

Left Out: 485.853 $\pm$ 0.242 χ^2 /NDF: 27949.0/2

Right Out: 929.637 $\pm$ 0.251 χ^2 /NDF: 859936.0/18

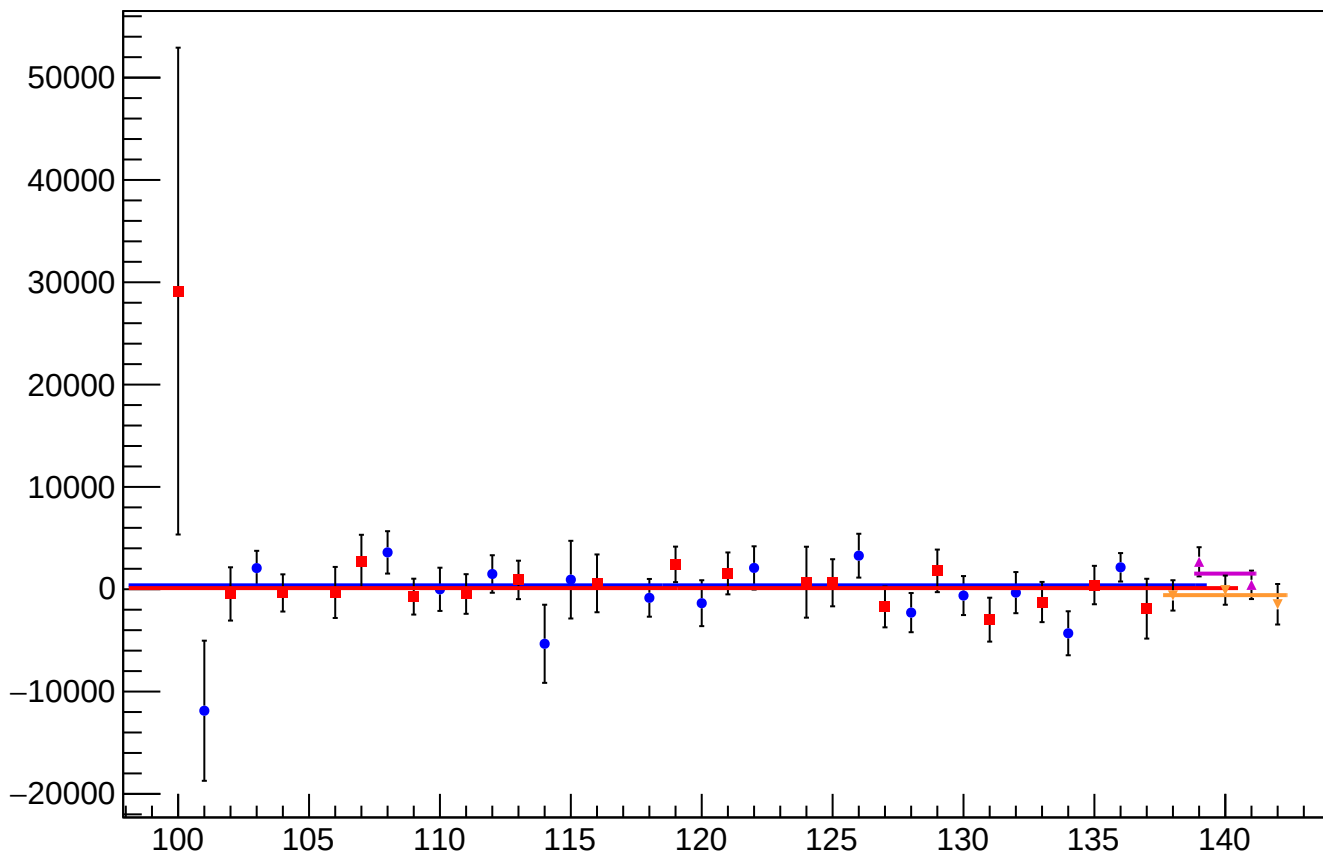
Left In: 534.769 $\pm$ 0.292 χ^2 /NDF: 86570.0/1

+ sign 682.025 $\pm$ 0.170 χ^2 /NDF: 2341043.6/18

All: 717.270 $\pm$ 0.127 χ^2 /NDF: 4434740.4/39

- sign 761.422 $\pm$ 0.191 χ^2 /NDF: 1997098.2/20

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712 $\pm$ 517.789 χ^2 /NDF: 21.5/15

Left Out: -576.063 $\pm$ 911.785 χ^2 /NDF: 0.3/2

Right Out: 110.280 $\pm$ 502.698 χ^2 /NDF: 10.0/18

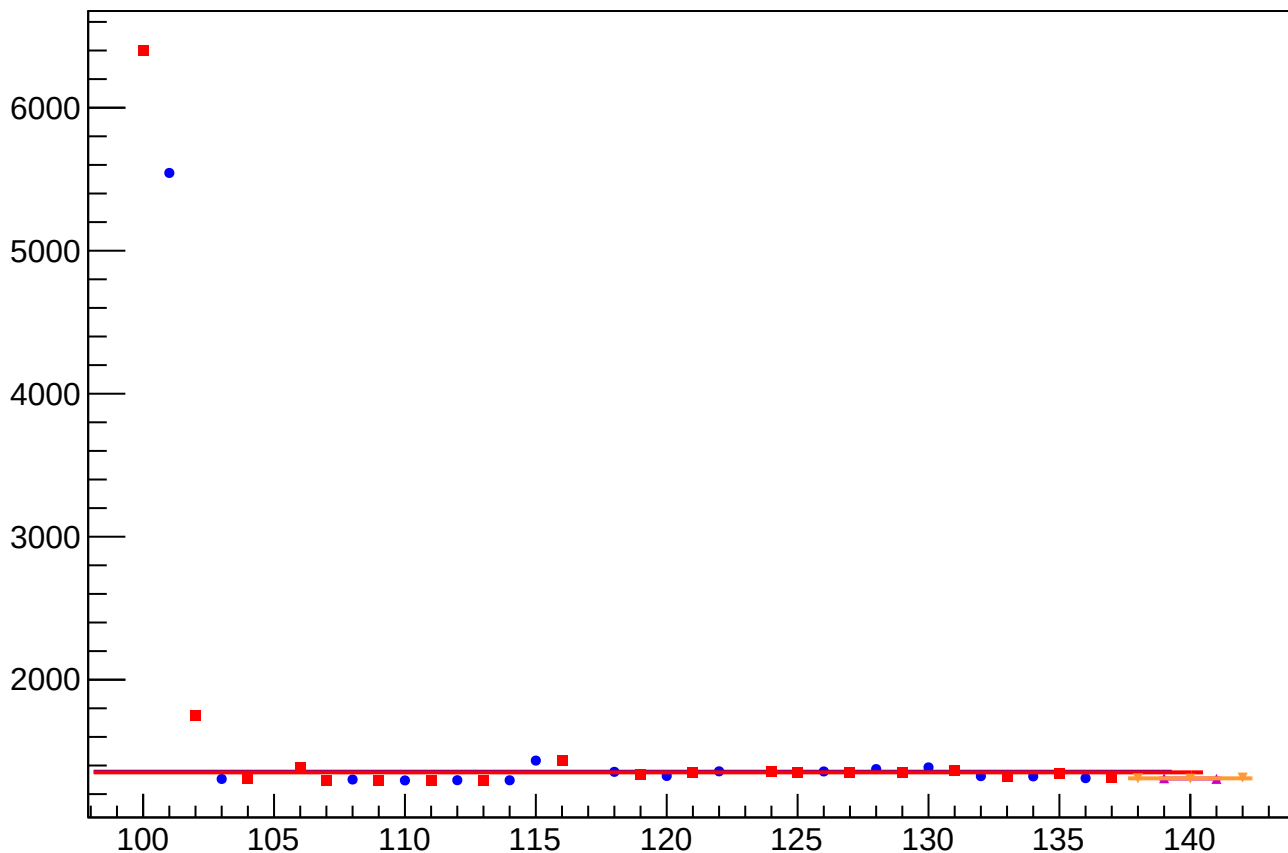
Left In: 1527.157 $\pm$ 994.584 χ^2 /NDF: 1.3/1

+ sign 148.156 $\pm$ 450.252 χ^2 /NDF: 22.7/18

All: 273.820 $\pm$ 317.808 χ^2 /NDF: 35.7/39

- sign 398.590 $\pm$ 448.647 χ^2 /NDF: 12.9/20

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397 $\pm$ 0.366 χ^2 /NDF: 760265.4/15

Left Out: 1310.233 $\pm$ 0.645 χ^2 /NDF:18.0/2

Right Out: 1352.083 $\pm$ 0.355 χ^2 /NDF: 147326.5/18

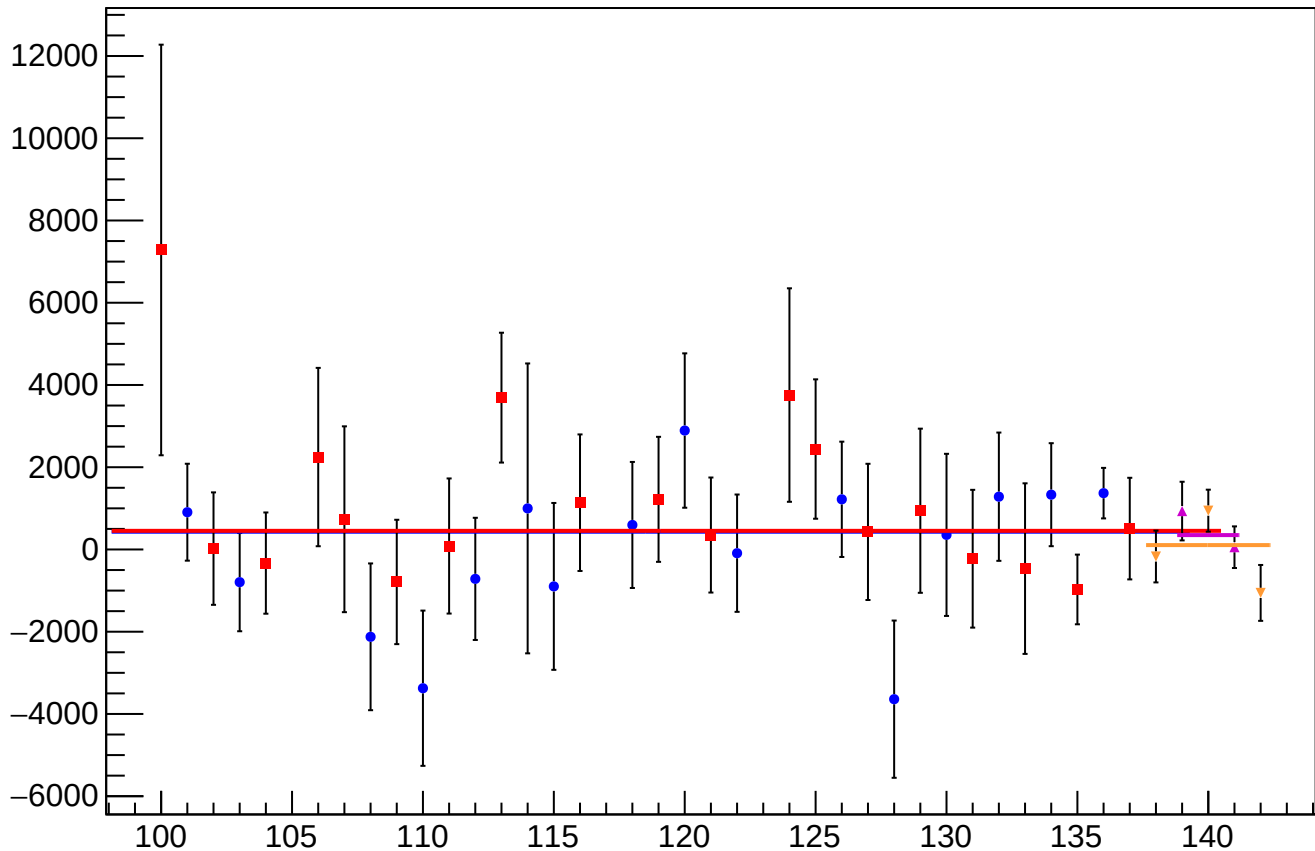
Left In: 1308.853 $\pm$ 0.703 χ^2 /NDF:10.0/1

+ sign 1345.140 $\pm$ 0.318 χ^2 /NDF: 764160.2/18

All: 1344.210 $\pm$ 0.225 χ^2 /NDF: 914523.4/39

- sign 1343.287 $\pm$ 0.317 χ^2 /NDF: 150346.2/20

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135 $\pm$ 338.403 χ^2/NDF : 18.2/15

Left Out: 106.275 $\pm$ 342.385 χ^2/NDF : 5.8/2

Right Out: 453.039 $\pm$ 355.599 χ^2/NDF : 14.7/18

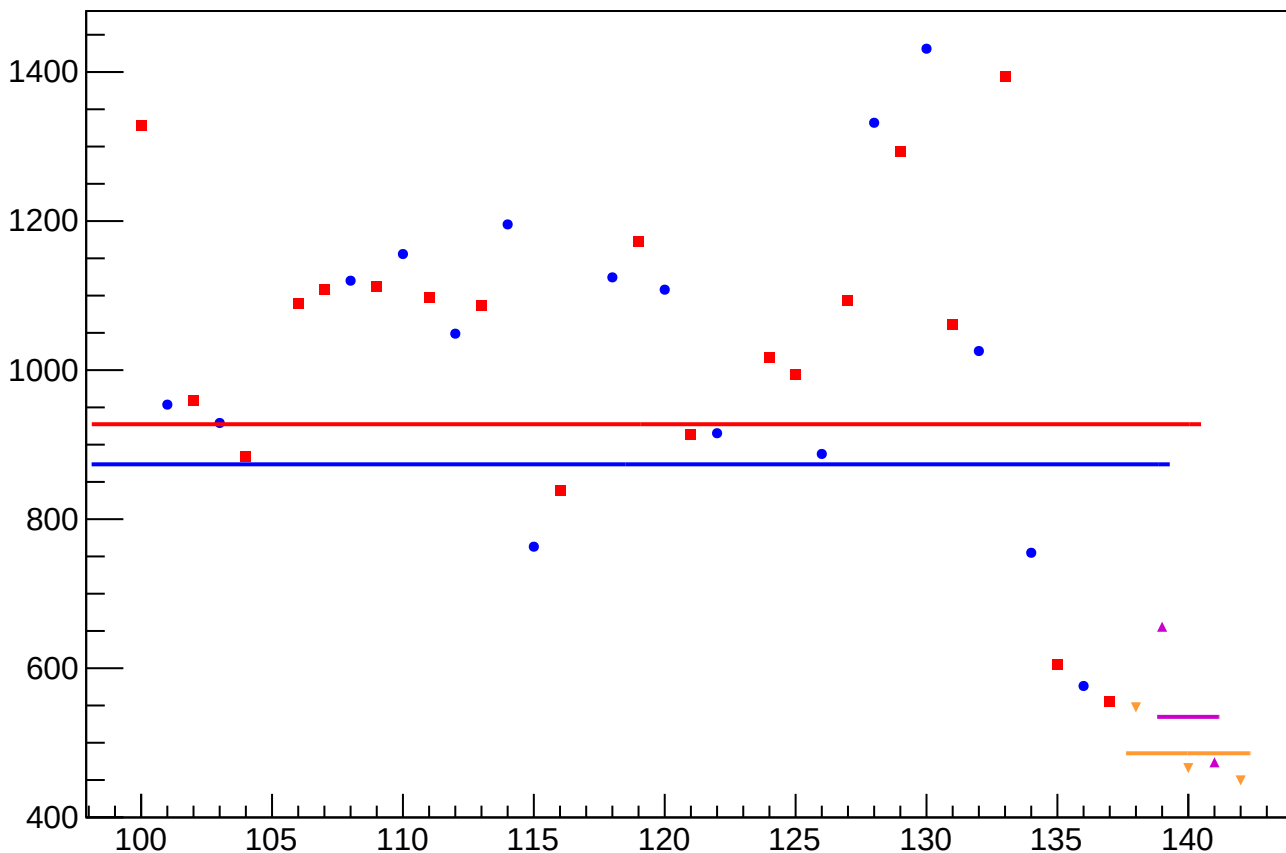
Left In: 349.563 $\pm$ 412.752 χ^2/NDF : 1.0/1

+ sign 271.111 $\pm$ 240.682 χ^2/NDF : 24.5/18

All: 332.296 $\pm$ 179.487 χ^2/NDF : 40.4/39

- sign 408.955 $\pm$ 269.406 χ^2/NDF : 15.7/20

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606 $\pm$ 0.239 χ^2 /NDF: 1014405.7/15

Left Out: 485.863 $\pm$ 0.242 χ^2 /NDF: 27948.8/2

Right Out: 927.407 $\pm$ 0.251 χ^2 /NDF: 847382.0/18

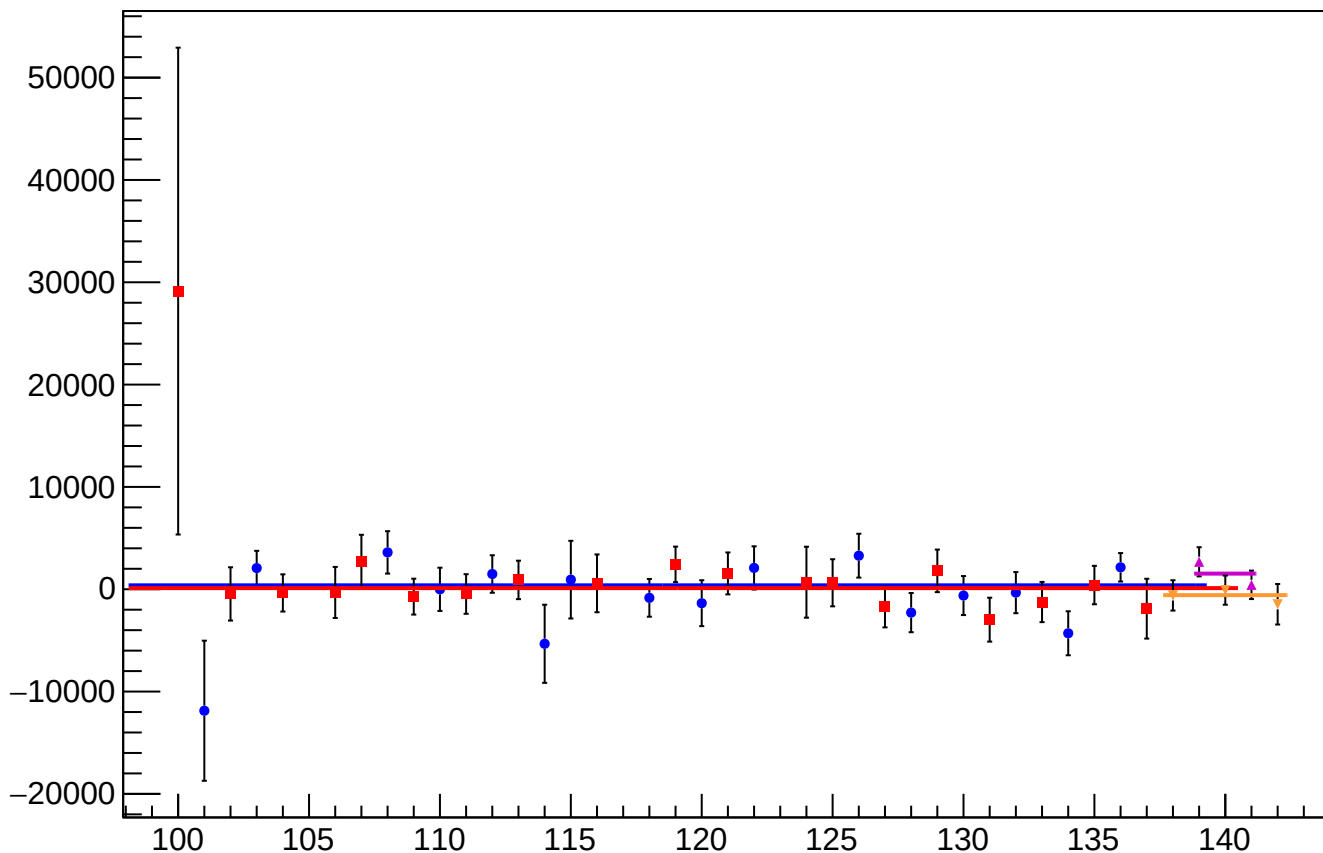
Left In: 534.750 $\pm$ 0.292 χ^2 /NDF: 86573.2/1

+ sign 682.003 $\pm$ 0.170 χ^2 /NDF: 2339859.8/18

All: 716.679 $\pm$ 0.127 χ^2 /NDF: 4406238.1/39

- sign 760.125 $\pm$ 0.190 χ^2 /NDF: 1972850.1/20

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712 $\pm$ 517.789 χ^2 /NDF: 21.5/15

Left Out: -576.063 $\pm$ 911.785 χ^2 /NDF:0.3/2

Right Out: 110.280 $\pm$ 502.698 χ^2 /NDF: 10.0/18

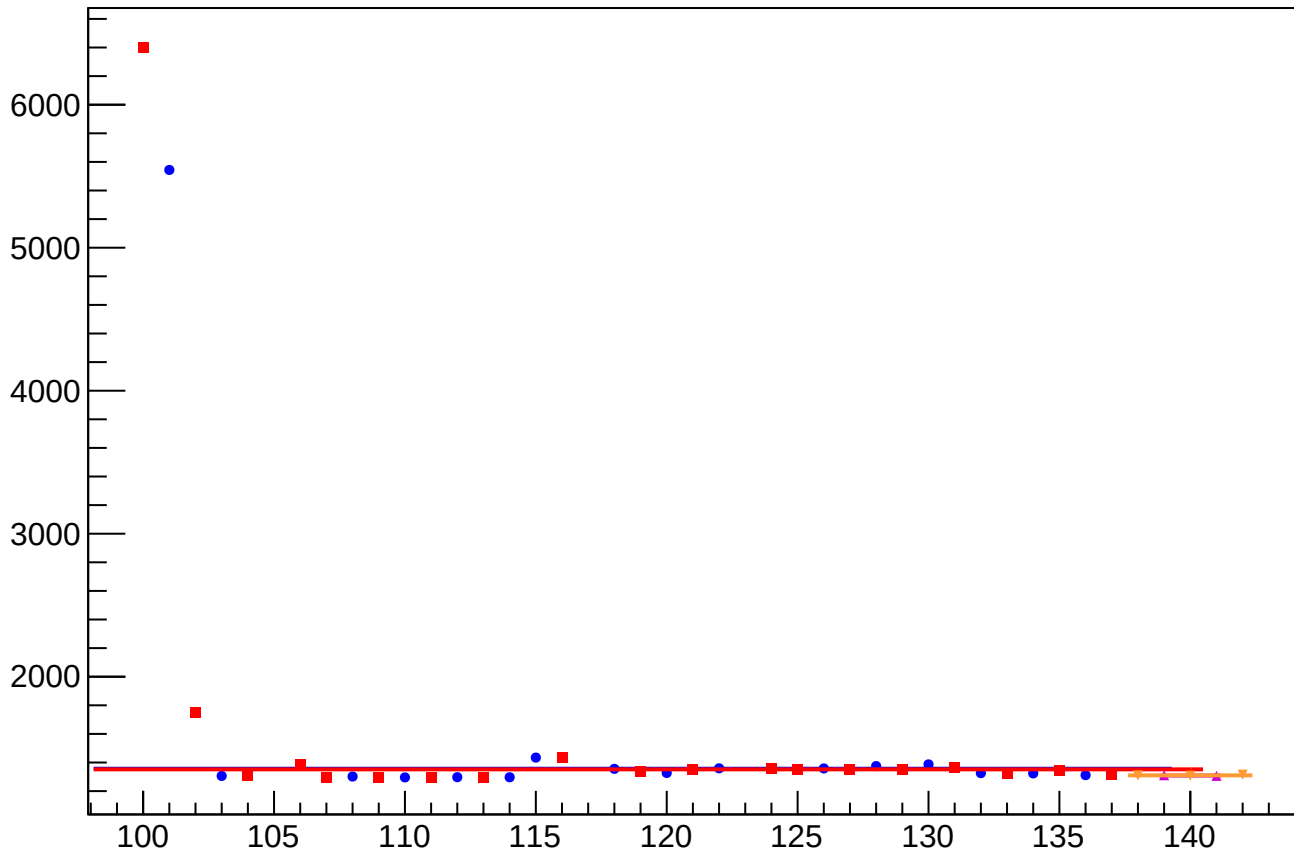
Left In: 1527.157 $\pm$ 994.584 χ^2 /NDF:1.3/1

+ sign 148.156 $\pm$ 450.252 χ^2 /NDF: 22.7/18

All: 273.820 $\pm$ 317.808 χ^2 /NDF: 35.7/39

- sign 398.590 $\pm$ 448.647 χ^2 /NDF: 12.9/20

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397 $\pm$ 0.366 χ^2 /NDF: 760265.4/15

Left Out: 1310.233 $\pm$ 0.645 χ^2 /NDF: 18.0/2

Right Out: 1352.083 $\pm$ 0.355 χ^2 /NDF: 147326.5/18

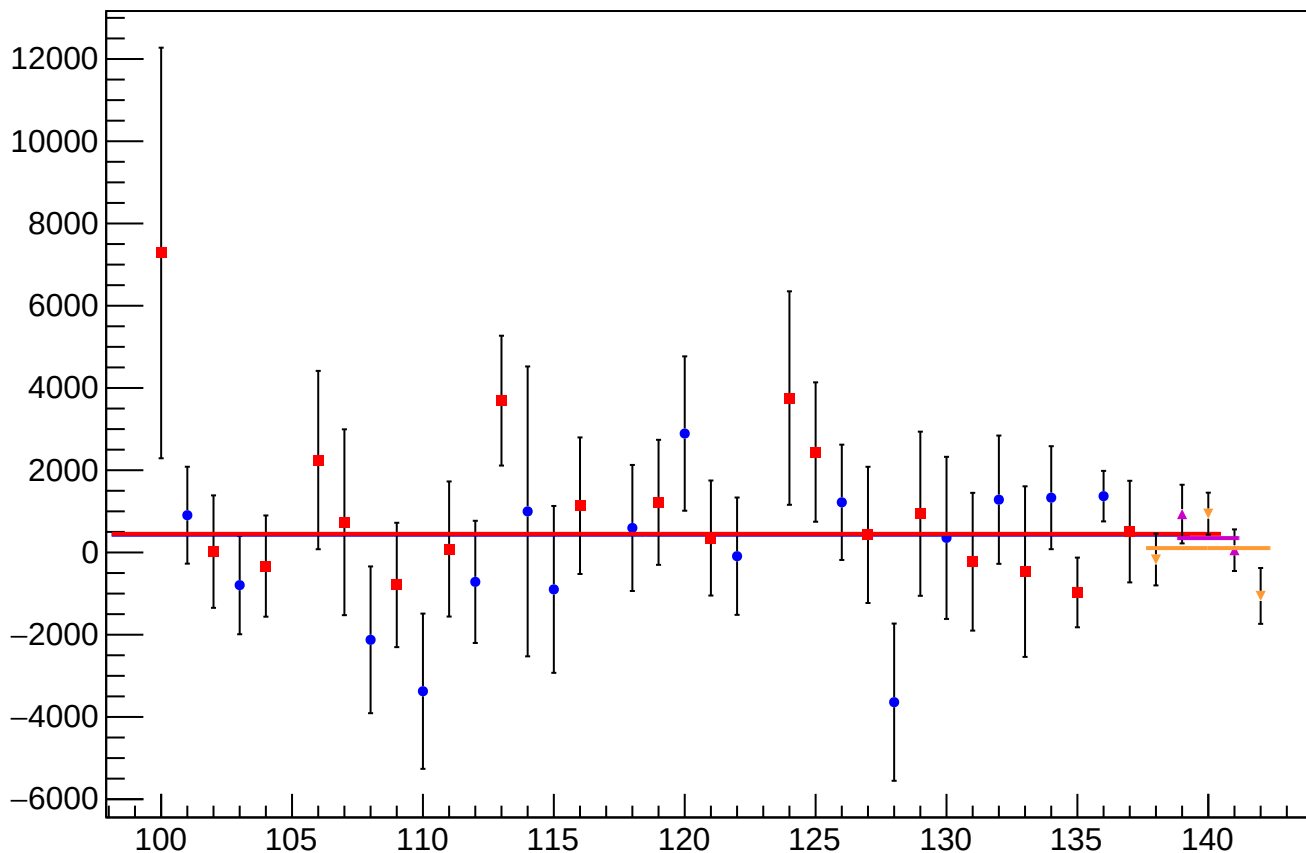
Left In: 1308.853 $\pm$ 0.703 χ^2 /NDF: 10.0/1

+ sign 1345.140 $\pm$ 0.318 χ^2 /NDF: 764160.2/18

All: 1344.210 $\pm$ 0.225 χ^2 /NDF: 914523.4/39

- sign 1343.287 $\pm$ 0.317 χ^2 /NDF: 150346.2/20

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF : 18.2/15

Left Out: 106.275+/-342.385 χ^2/NDF : 5.8/2

Right Out: 453.039+/-355.599 χ^2/NDF : 14.7/18

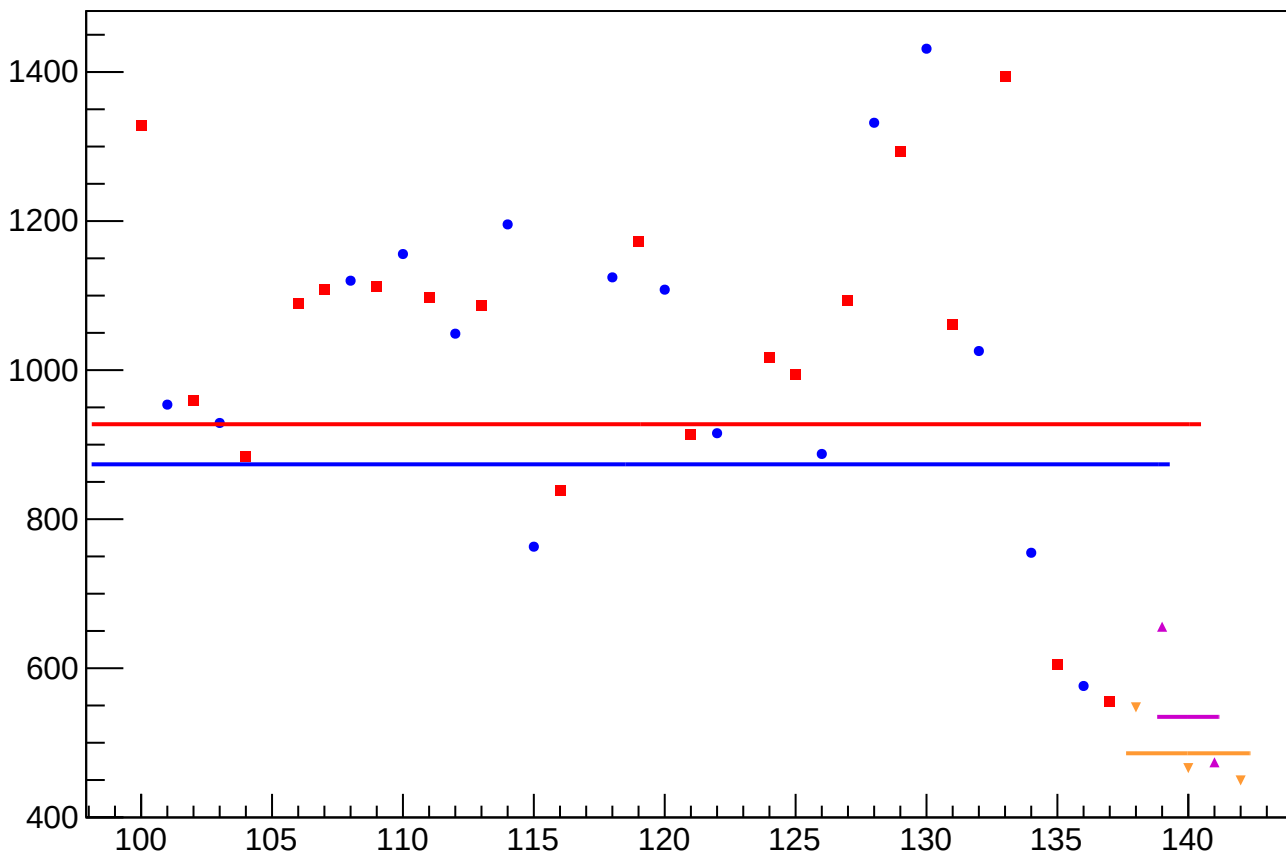
Left In: 349.563+/-412.752 χ^2/NDF : 1.0/1

+ sign 271.111+/-240.682 χ^2/NDF : 24.5/18

All: 332.296+/-179.487 χ^2/NDF : 40.4/39

- sign 408.955+/-269.406 χ^2/NDF : 15.7/20

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: 485.863 $\pm$ 0.242 χ^2 /NDF: 27948.8/2

Right Out: 927.407 $\pm$ 0.251 χ^2 /NDF: 847382.0/18

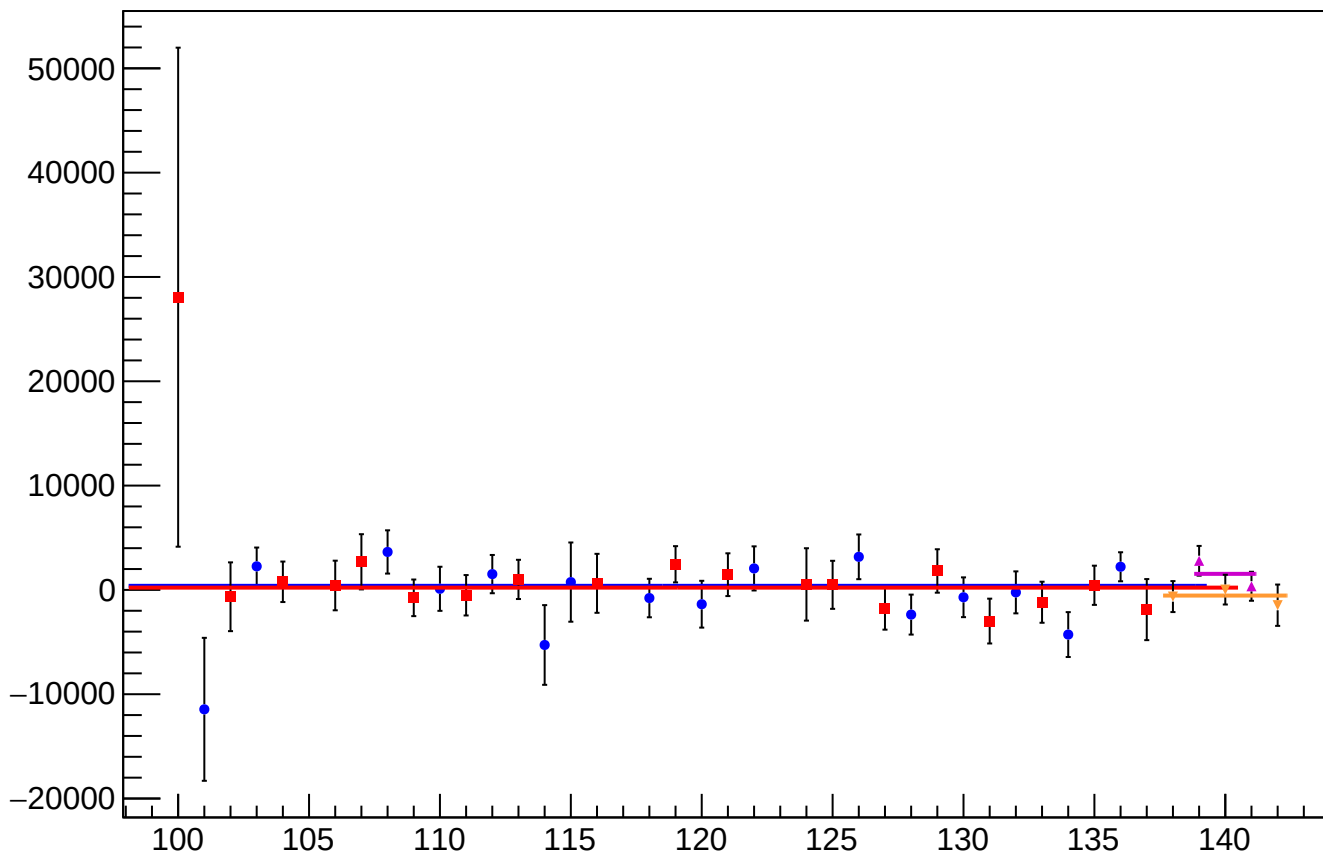
Left In: 534.750 $\pm$ 0.292 χ^2 /NDF: 86573.2/1

+ sign 682.003 $\pm$ 0.170 χ^2 /NDF: 2339859.8/18

All: 716.679 $\pm$ 0.127 χ^2 /NDF: 4406238.1/39

- sign 760.125 $\pm$ 0.190 χ^2 /NDF: 1972850.1/20

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949 $\pm$ 521.159 χ^2 /NDF: 21.4/15

Left Out: -543.427 $\pm$ 912.534 χ^2 /NDF: 0.4/2

Right Out: 218.184 $\pm$ 507.927 χ^2 /NDF: 10.0/18

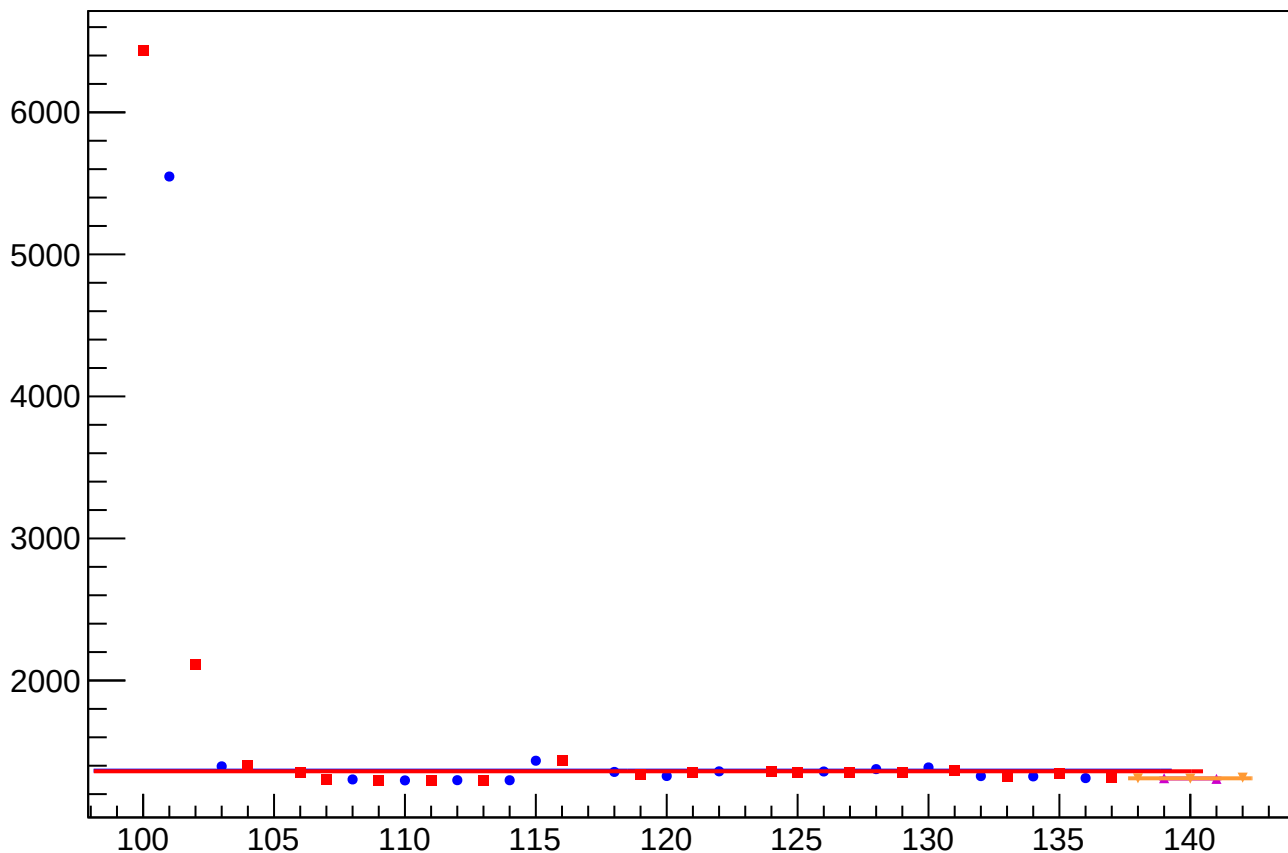
Left In: 1537.640 $\pm$ 995.287 χ^2 /NDF: 1.5/1

+ sign 160.387 $\pm$ 452.555 χ^2 /NDF: 22.6/18

All: 325.652 $\pm$ 319.956 χ^2 /NDF: 35.7/39

- sign 490.817 $\pm$ 452.419 χ^2 /NDF: 12.9/20

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302 $\pm$ 0.369 χ^2 /NDF: 758944.7/15

Left Out: 1311.308 $\pm$ 0.645 χ^2 /NDF:16.0/2

Right Out: 1360.771 $\pm$ 0.359 χ^2 /NDF: 205315.3/18

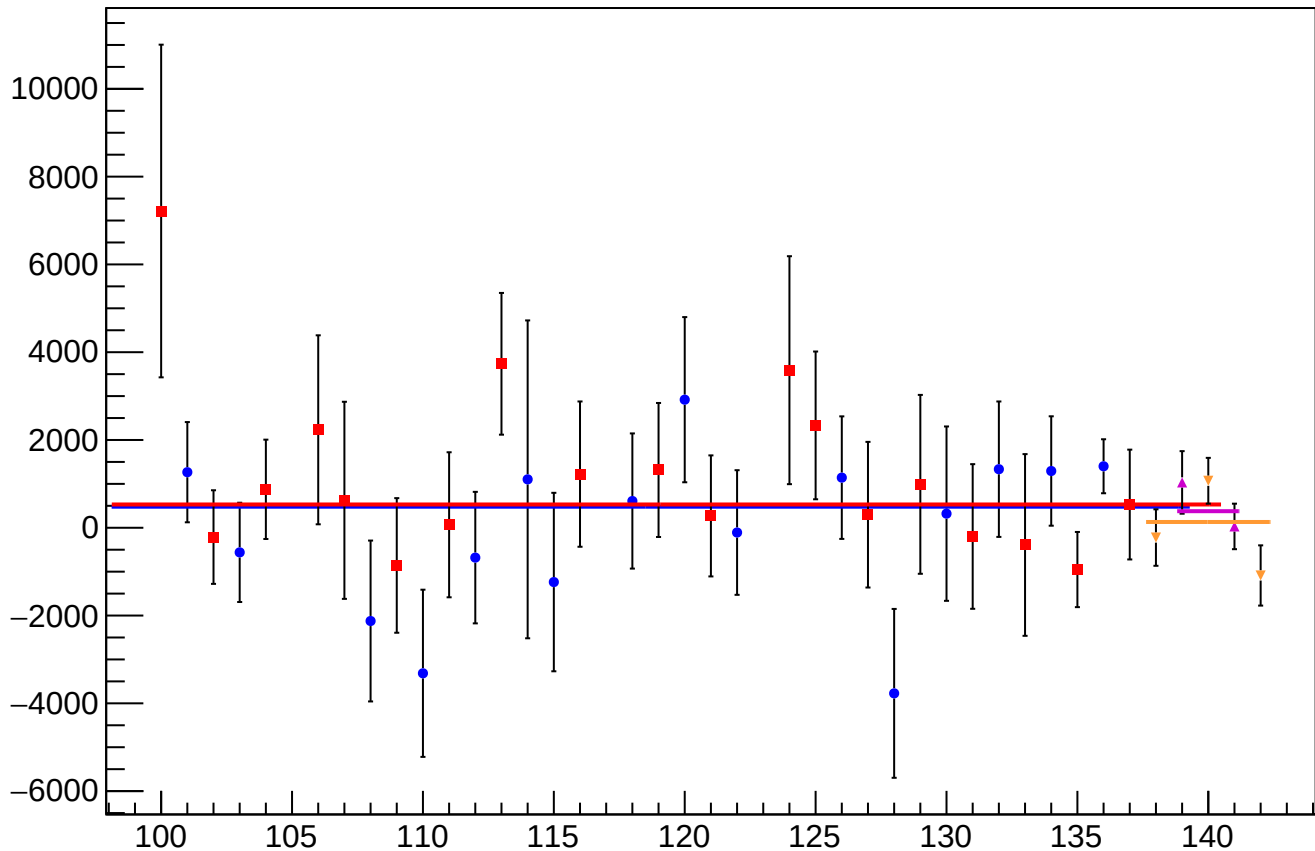
Left In: 1309.775 $\pm$ 0.704 χ^2 /NDF:11.7/1

+ sign 1352.022 $\pm$ 0.320 χ^2 /NDF: 764240.5/18

All: 1351.128 $\pm$ 0.226 χ^2 /NDF: 973748.6/39

- sign 1350.234 $\pm$ 0.320 χ^2 /NDF: 209492.5/20

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF : 18.6/15

Left Out: 131.843+/-349.003 χ^2/NDF : 6.7/2

Right Out: 530.532+/-346.105 χ^2/NDF : 15.6/18

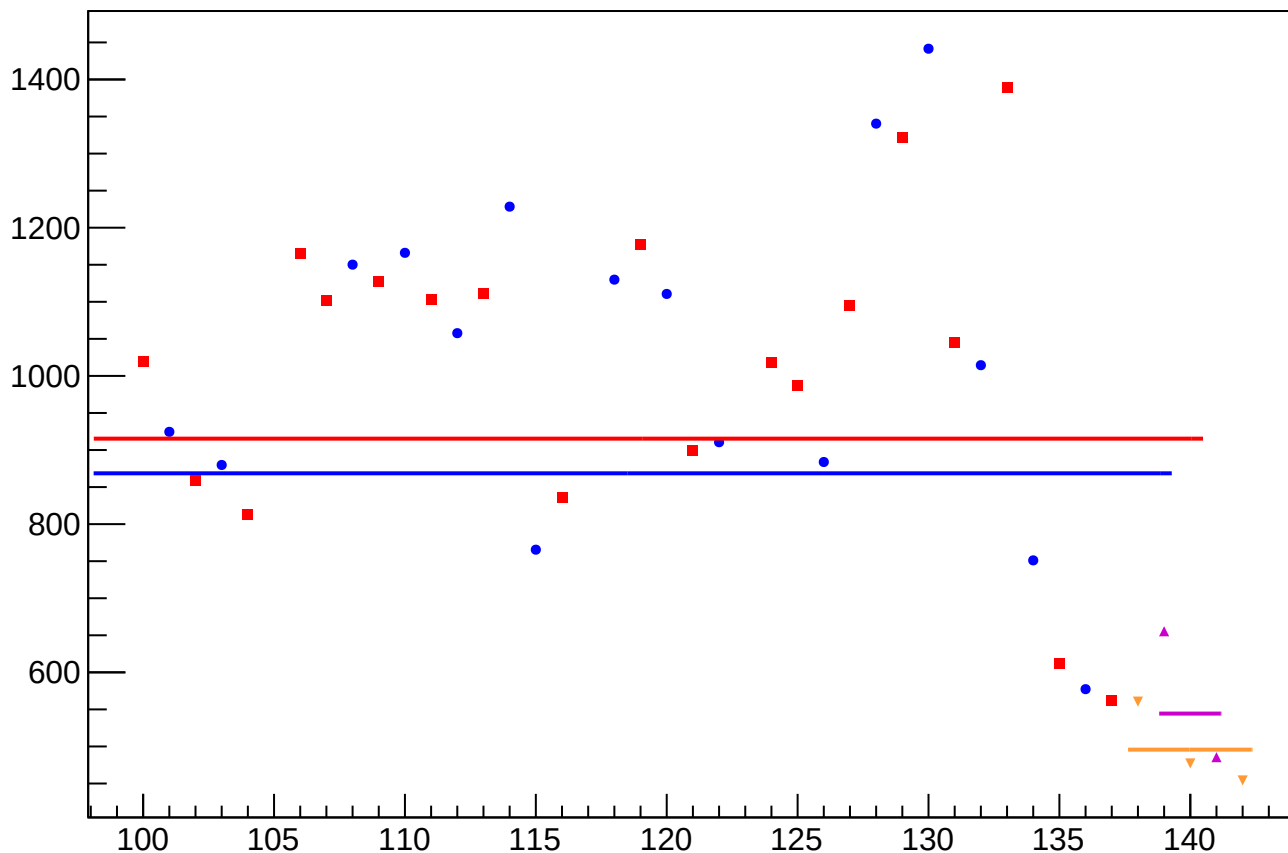
Left In: 377.590+/-419.248 χ^2/NDF : 1.3/1

+ sign 312.468+/-242.249 χ^2/NDF : 25.8/18

All: 382.966+/-179.381 χ^2/NDF : 43.0/39

- sign 468.545+/-266.906 χ^2/NDF : 17.0/20

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF : 1021338.5/15

Left Out: 495.705+/-0.247 χ^2/NDF : 30162.7/2

Right Out: 915.360+/-0.245 χ^2/NDF : 858906.6/18

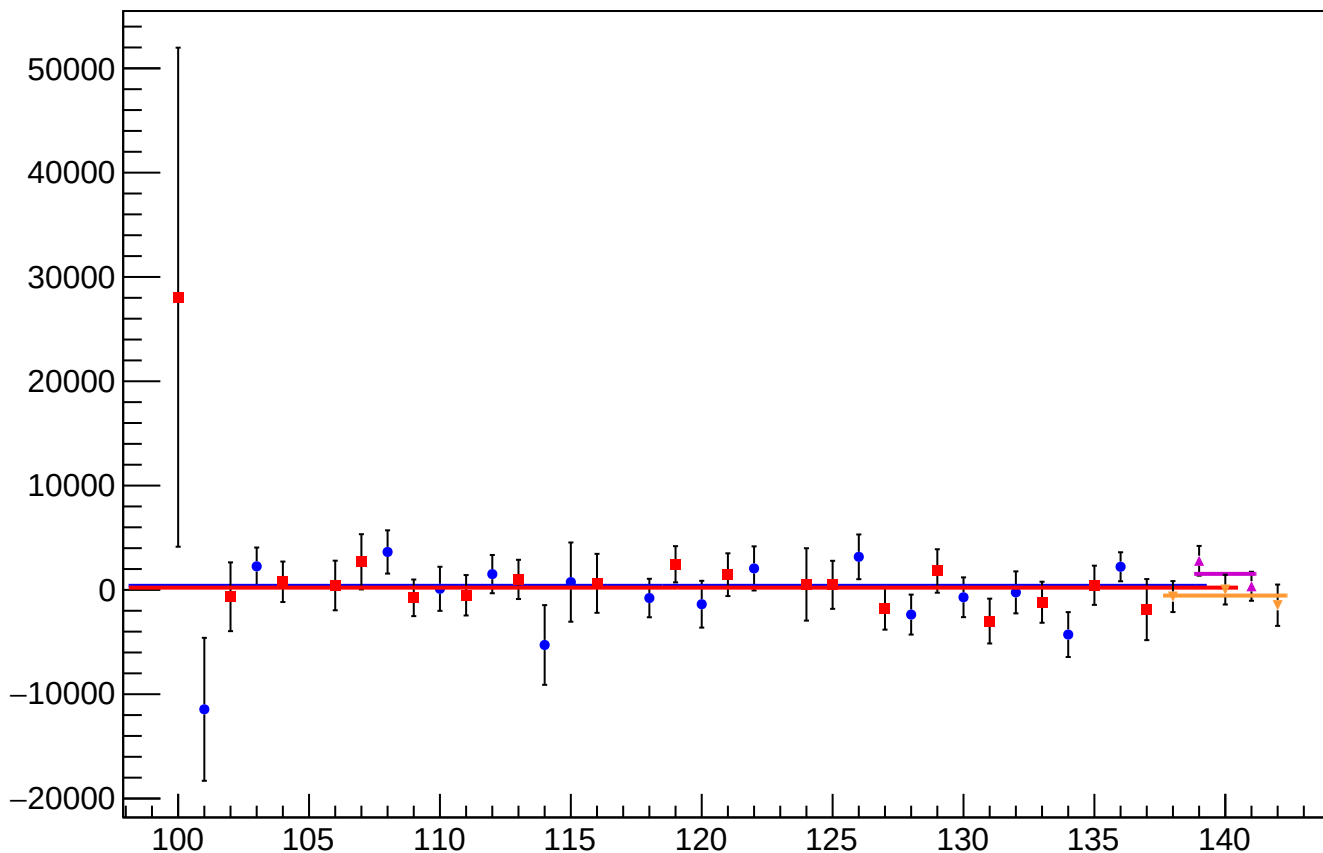
Left In: 544.371+/-0.296 χ^2/NDF : 74347.5/1

+ sign 688.926+/-0.171 χ^2/NDF : 2234486.6/18

All: 723.287+/-0.127 χ^2/NDF : 4188170.8/39

- sign 764.999+/-0.189 χ^2/NDF : 1864598.0/20

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949 $\pm$ 521.159 χ^2 /NDF: 21.4/15

Left Out: -543.428 $\pm$ 912.534 χ^2 /NDF:0.4/2

Right Out: 218.182 $\pm$ 507.927 χ^2 /NDF: 10.0/18

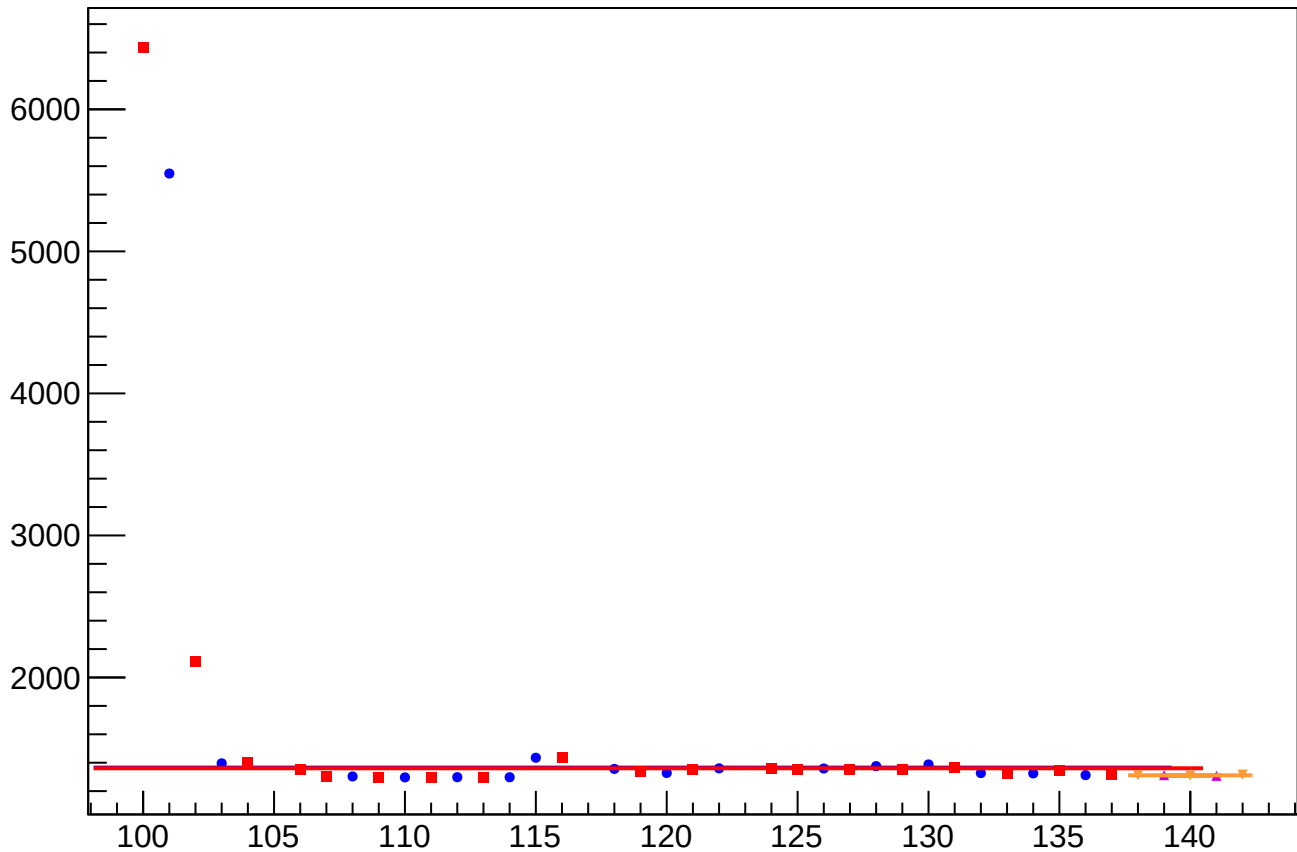
Left In: 1537.642 $\pm$ 995.287 χ^2 /NDF:1.5/1

+ sign 160.387 $\pm$ 452.555 χ^2 /NDF: 22.6/18

All: 325.651 $\pm$ 319.956 χ^2 /NDF: 35.7/39

- sign 490.817 $\pm$ 452.419 χ^2 /NDF: 12.9/20

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302 $\pm$ 0.369 χ^2 /NDF: 758944.7/15

Left Out: 1311.308 $\pm$ 0.645 χ^2 /NDF:16.0/2

Right Out: 1360.770 $\pm$ 0.359 χ^2 /NDF: 205315.2/18

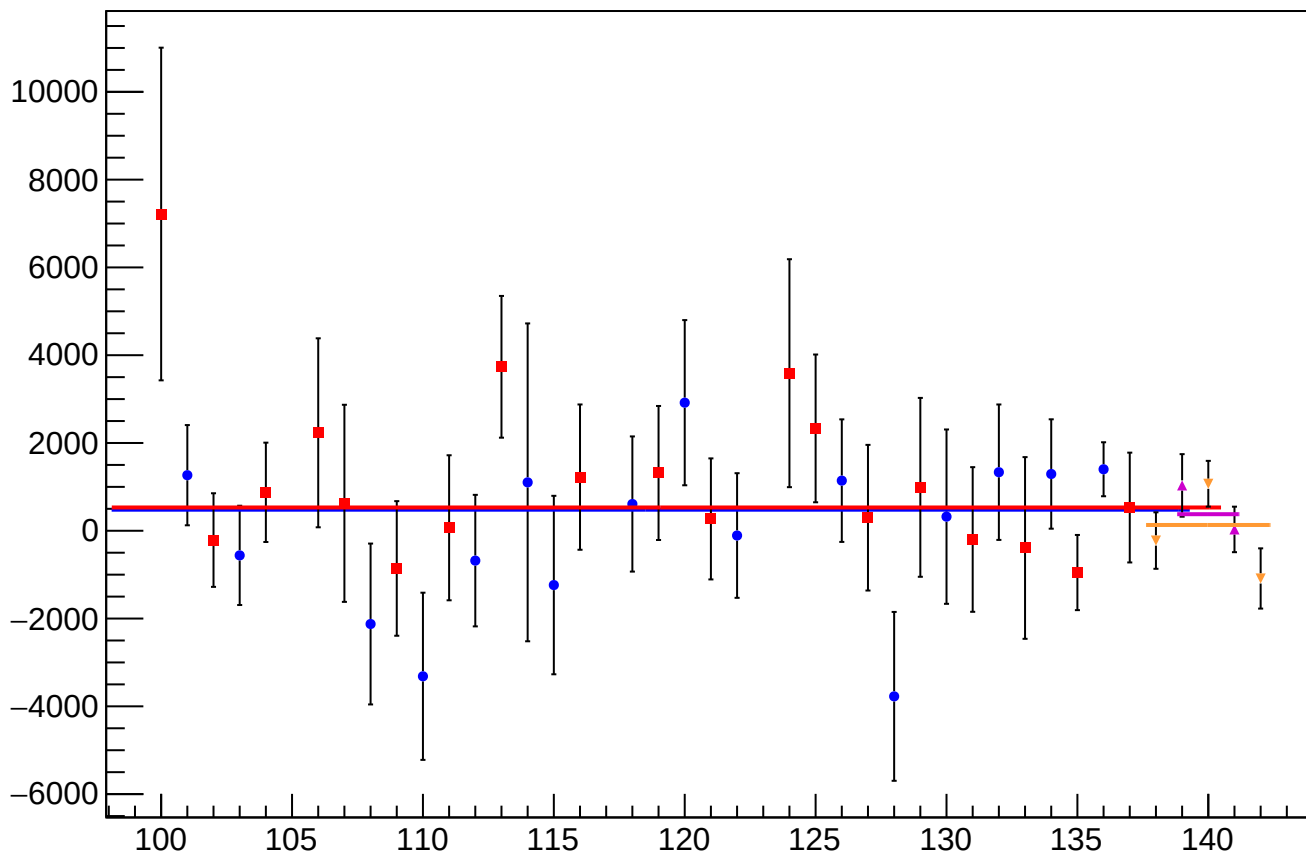
Left In: 1309.775 $\pm$ 0.704 χ^2 /NDF:11.7/1

+ sign 1352.022 $\pm$ 0.320 χ^2 /NDF: 764240.5/18

All: 1351.128 $\pm$ 0.226 χ^2 /NDF: 973748.6/39

- sign 1350.234 $\pm$ 0.320 χ^2 /NDF: 209492.4/20

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400+/-336.519 χ^2/NDF : 18.6/15

Left Out: 131.848+/-349.004 χ^2/NDF : 6.7/2

Right Out: 530.531+/-346.104 χ^2/NDF : 15.6/18

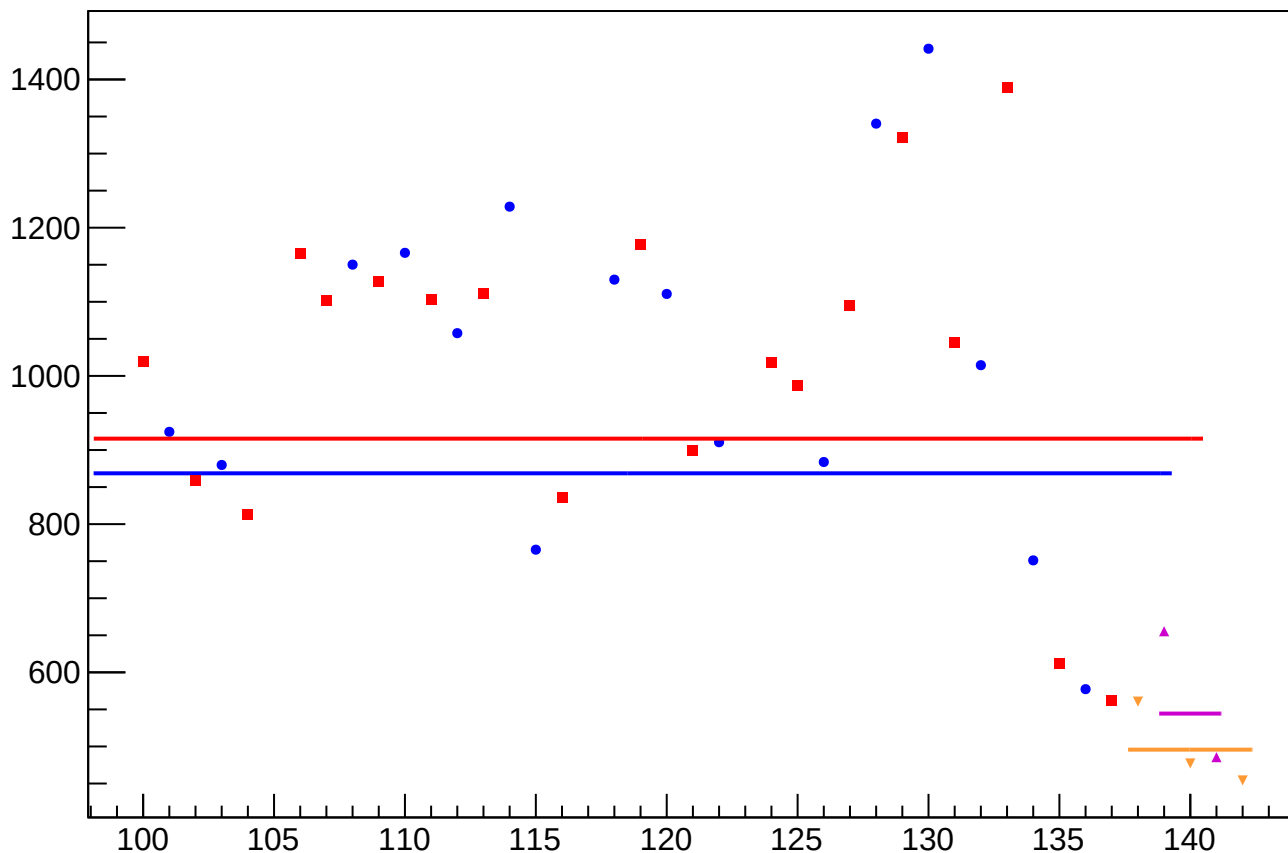
Left In: 377.589+/-419.248 χ^2/NDF : 1.3/1

+ sign 312.470+/-242.249 χ^2/NDF : 25.8/18

All: 382.967+/-179.381 χ^2/NDF : 43.0/39

- sign 468.545+/-266.905 χ^2/NDF : 17.0/20

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: 495.706 $\pm$ 0.247 χ^2 /NDF:30163.0/2

Right Out: 915.358 $\pm$ 0.245 χ^2 /NDF: 858906.3/18

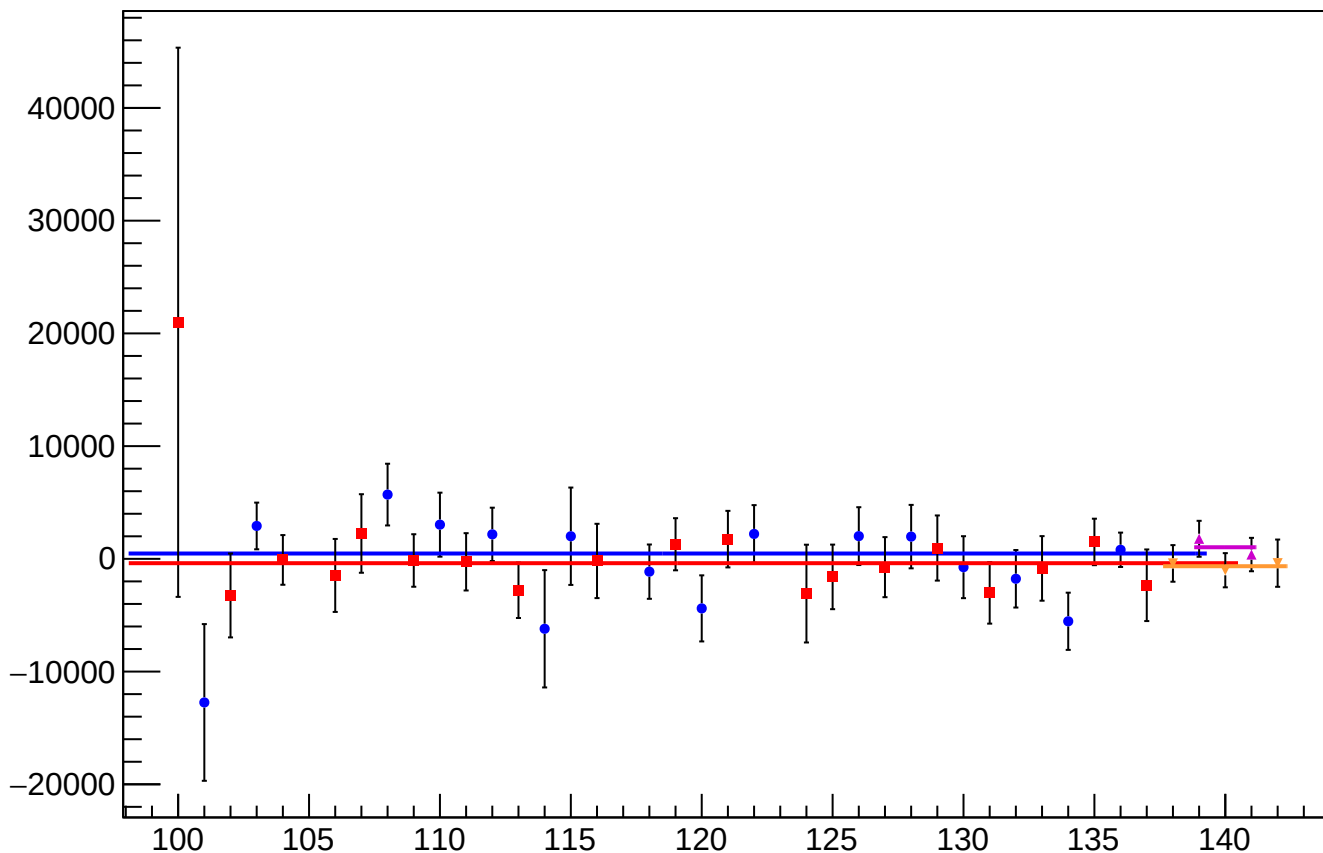
Left In: 544.371 $\pm$ 0.296 χ^2 /NDF:74350.5/1

+ sign 688.926 $\pm$ 0.171 χ^2 /NDF: 2234464.6/18

All: 723.287 $\pm$ 0.127 χ^2 /NDF: 4188142.9/39

- sign 764.999 $\pm$ 0.189 χ^2 /NDF: 1864594.1/20

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF : 22.7/15

Left Out: -653.014+/-979.799 χ^2/NDF : 0.1/2

Right Out: -384.785+/-641.994 χ^2/NDF : 7.3/18

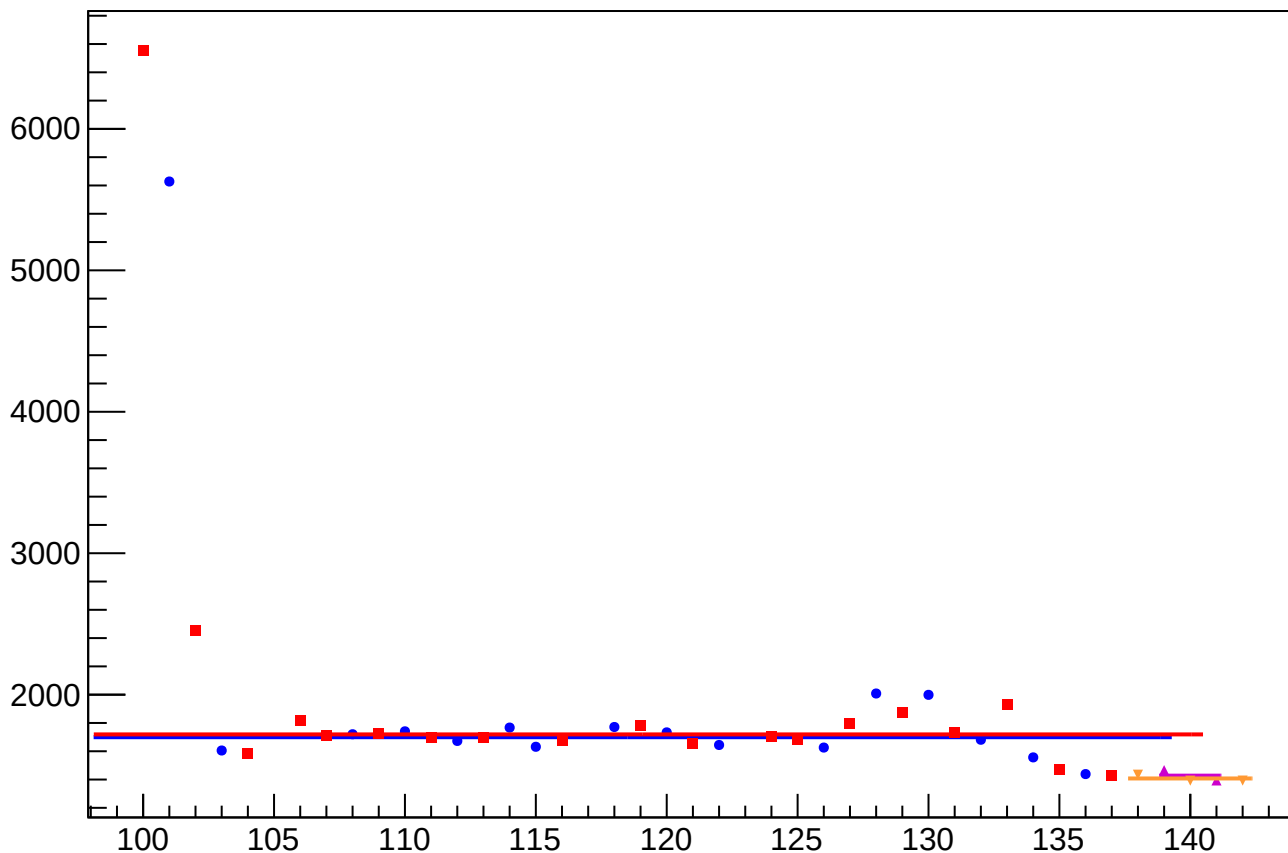
Left In: 1029.582+/-1085.155 χ^2/NDF : 0.4/1

+ sign 129.785+/-541.209 χ^2/NDF : 23.7/18

All: 57.379+/-386.636 χ^2/NDF : 32.7/39

- sign -18.090+/-552.539 χ^2/NDF : 8.9/20

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF : 762097.7/15

Left Out: 1407.612+/-0.693 χ^2/NDF : 848.1/2

Right Out: 1719.103+/-0.454 χ^2/NDF : 233751.6/18

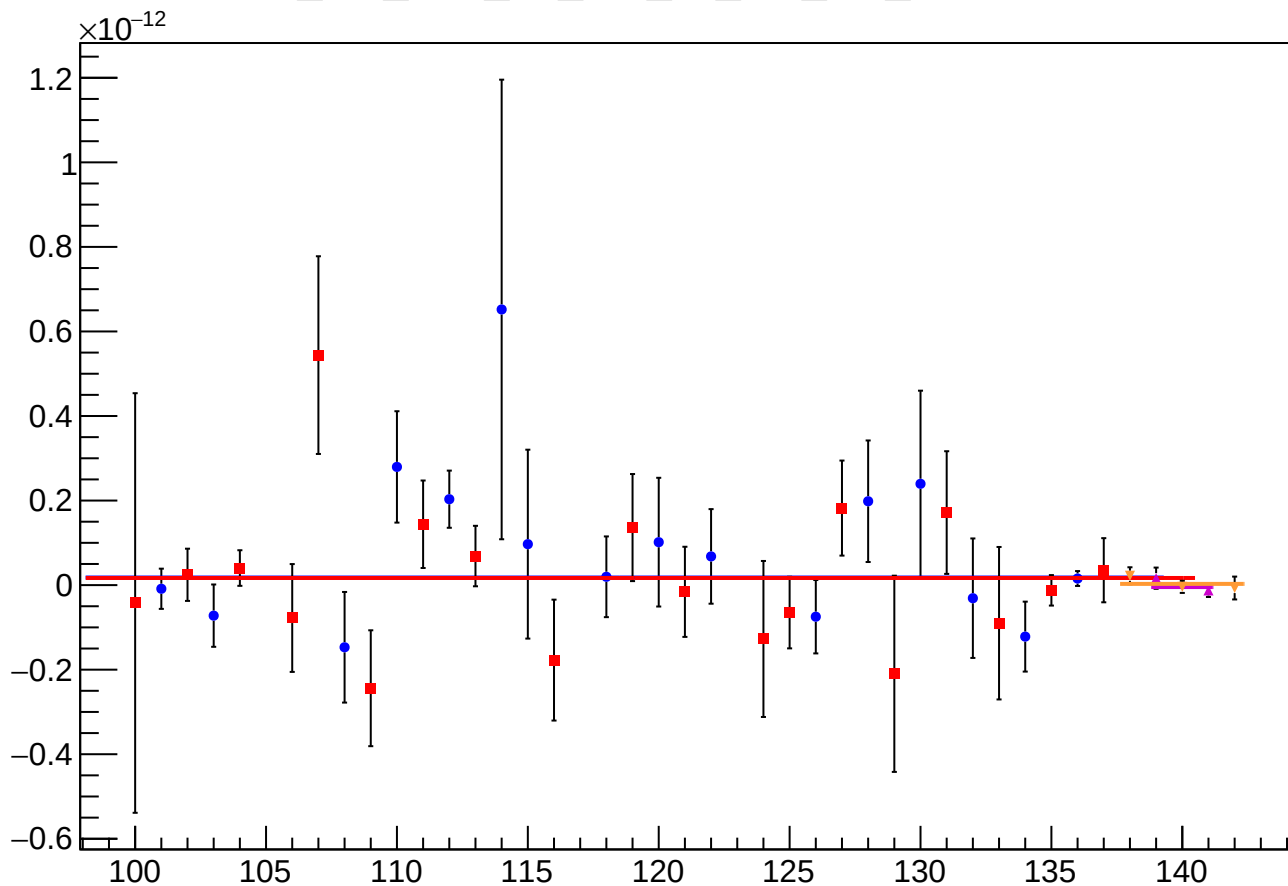
Left In: 1427.513+/-0.767 χ^2/NDF : 2249.5/1

+ sign 1610.324+/-0.383 χ^2/NDF : 886142.1/18

All: 1626.570+/-0.273 χ^2/NDF : 1232792.3/39

- sign 1643.504+/-0.391 χ^2/NDF : 342969.4/20

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 21.3/18

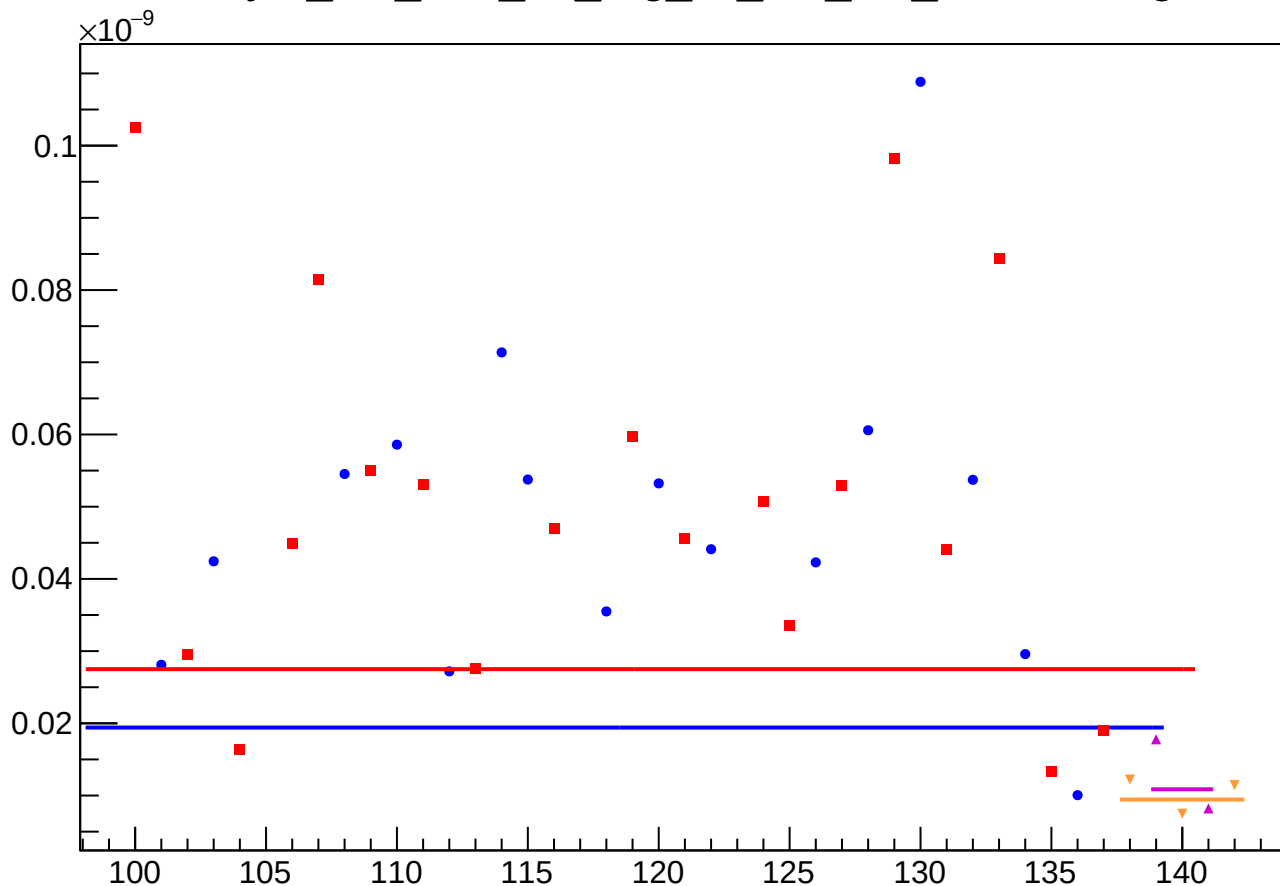
Left In: -0.000+/-0.000 χ^2/NDF : 1.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 25.5/18

All: 0.000+/-0.000 χ^2/NDF : 48.9/39

- sign 0.000+/-0.000 χ^2/NDF : 23.1/20

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 86151.7/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1650144.8/18

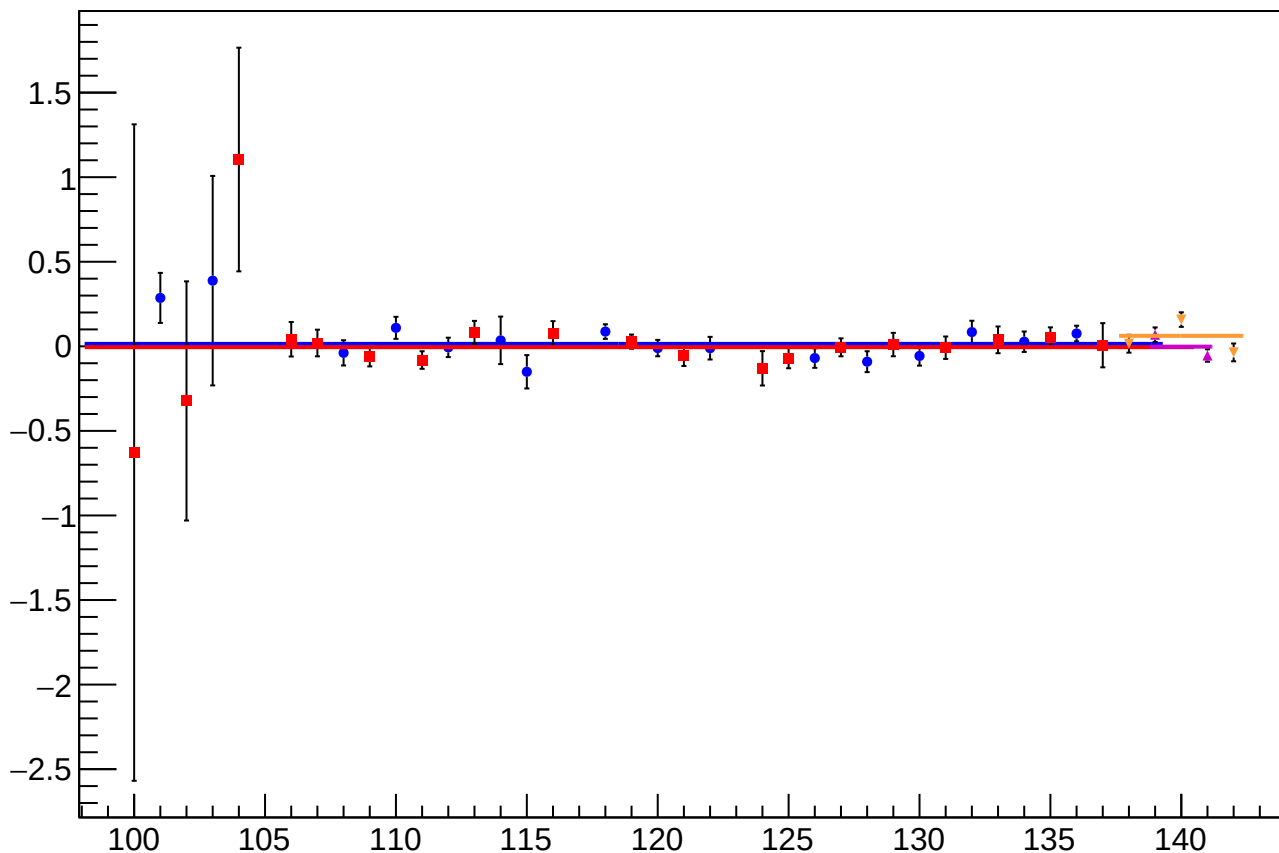
Left In: 0.000+/-0.000 χ^2/NDF : 210084.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 2978841.2/18

All: 0.000+/-0.000 χ^2/NDF : 5974177.7/39

- sign 0.000+/-0.000 χ^2/NDF : 2886274.8/20

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 ± 0.016 $\chi^2/\text{NDF}: 22.0/15$

Left Out: 0.062 ± 0.028 $\chi^2/\text{NDF}: 9.2/2$

Right Out: -0.005 ± 0.016 $\chi^2/\text{NDF}: 14.9/18$

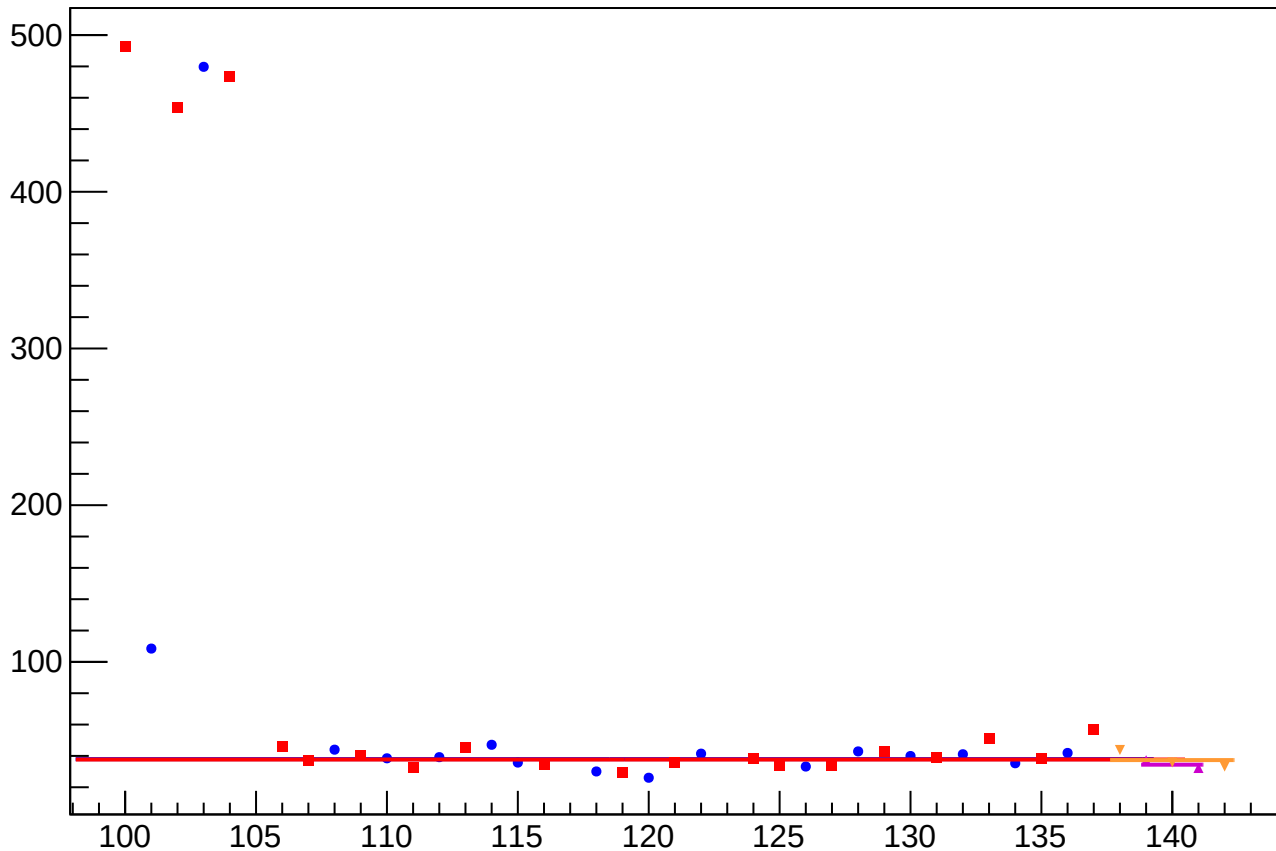
Left In: -0.002 ± 0.028 $\chi^2/\text{NDF}: 4.7/1$

+ sign 0.026 ± 0.014 $\chi^2/\text{NDF}: 33.4/18$

All: 0.011 ± 0.010 $\chi^2/\text{NDF}: 55.4/39$

- sign -0.004 ± 0.014 $\chi^2/\text{NDF}: 19.6/20$

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: 37.338 $\pm$ 0.020 χ^2 /NDF: 44526.5/2

Right Out: 37.696 $\pm$ 0.011 χ^2 /NDF: 1944881.8/18

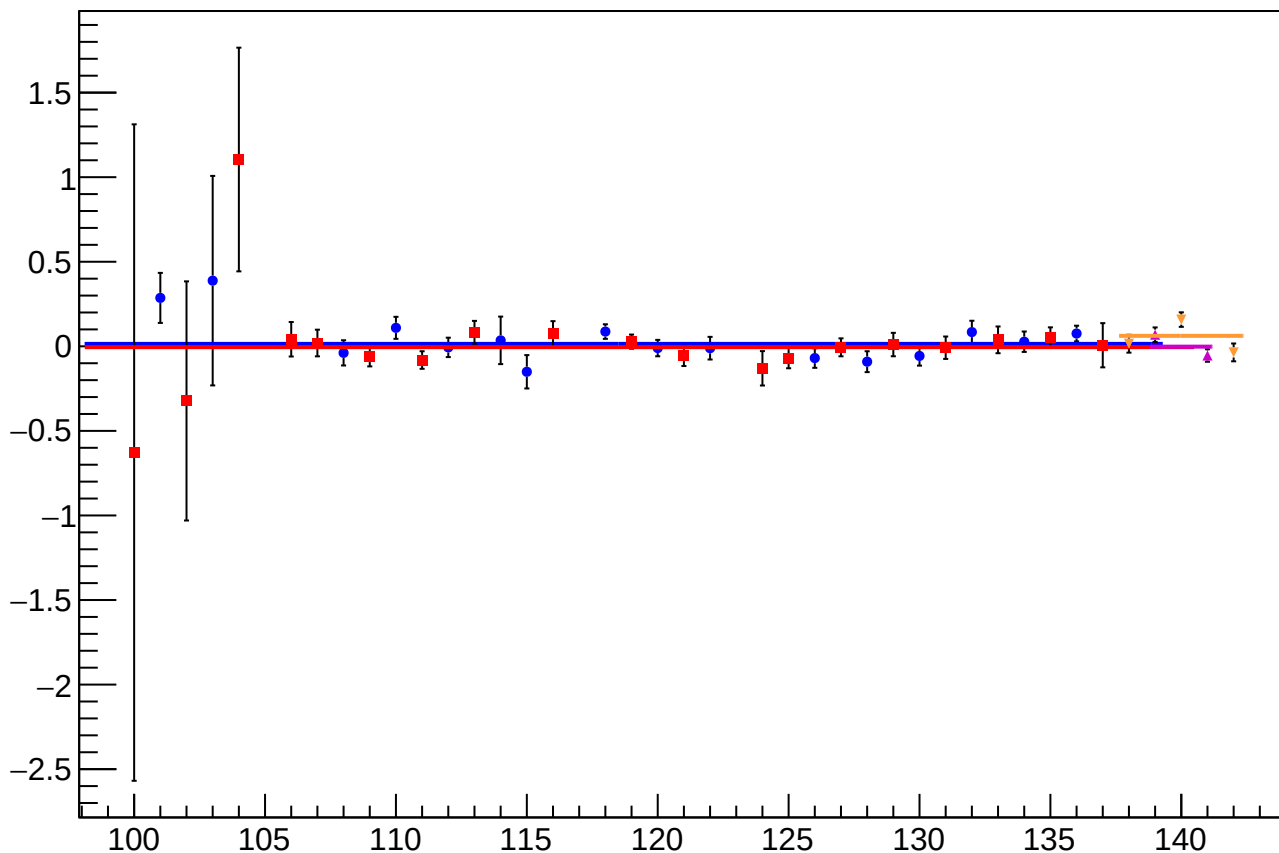
Left In: 34.414 $\pm$ 0.020 χ^2 /NDF: 15191.9/1

+ sign 37.796 $\pm$ 0.010 χ^2 /NDF: 1784892.7/18

All: 37.343 $\pm$ 0.007 χ^2 /NDF: 3769862.4/39

- sign 36.887 $\pm$ 0.010 χ^2 /NDF: 1980692.1/20

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 ± 0.016 χ^2/NDF : 22.0/15

Left Out: 0.062 ± 0.028 χ^2/NDF : 9.2/2

Right Out: -0.005 ± 0.016 χ^2/NDF : 14.9/18

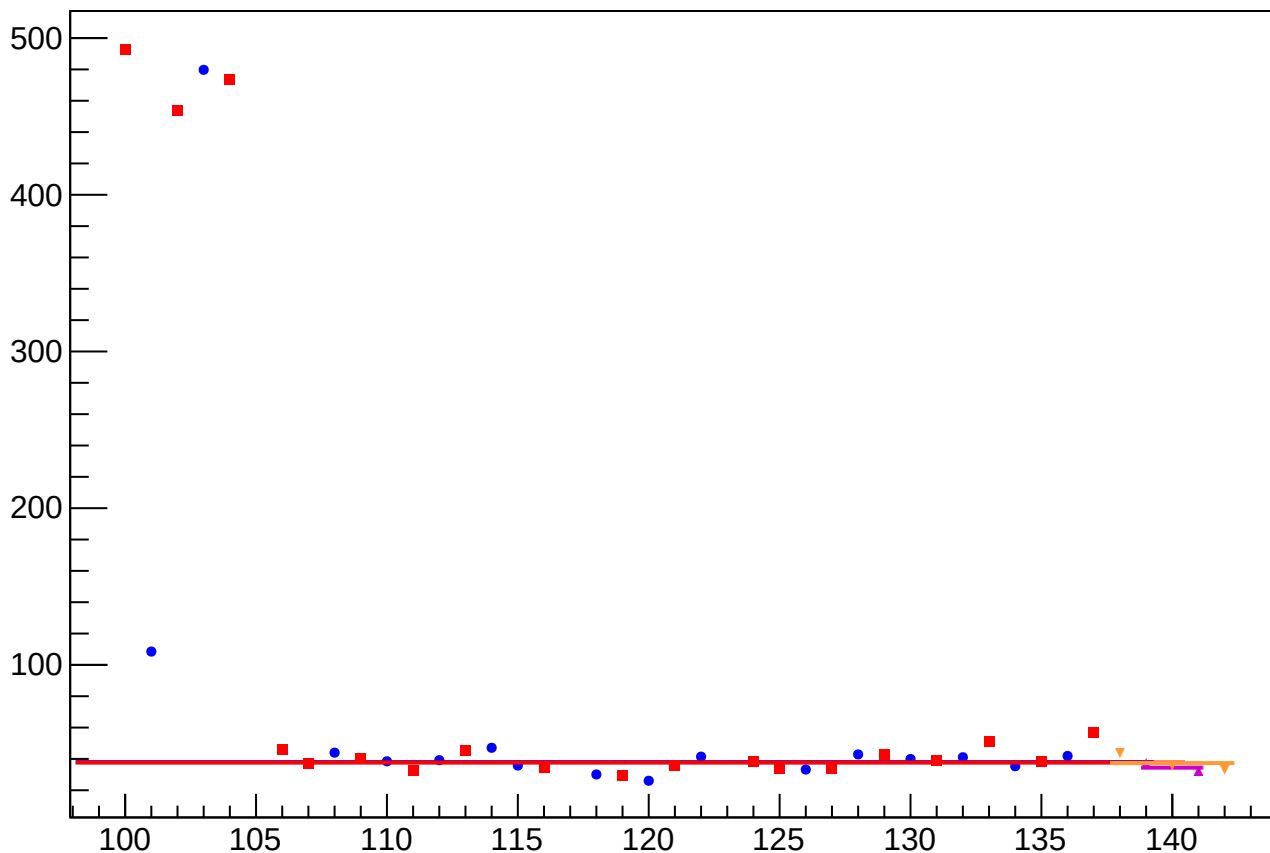
Left In: -0.002 ± 0.028 χ^2/NDF : 4.7/1

+ sign 0.026 ± 0.014 χ^2/NDF : 33.4/18

All: 0.011 ± 0.010 χ^2/NDF : 55.4/39

- sign -0.004 ± 0.014 χ^2/NDF : 19.6/20

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: 37.338 $\pm$ 0.020 χ^2 /NDF: 44526.5/2

Right Out: 37.696 $\pm$ 0.011 χ^2 /NDF: 1944881.8/18

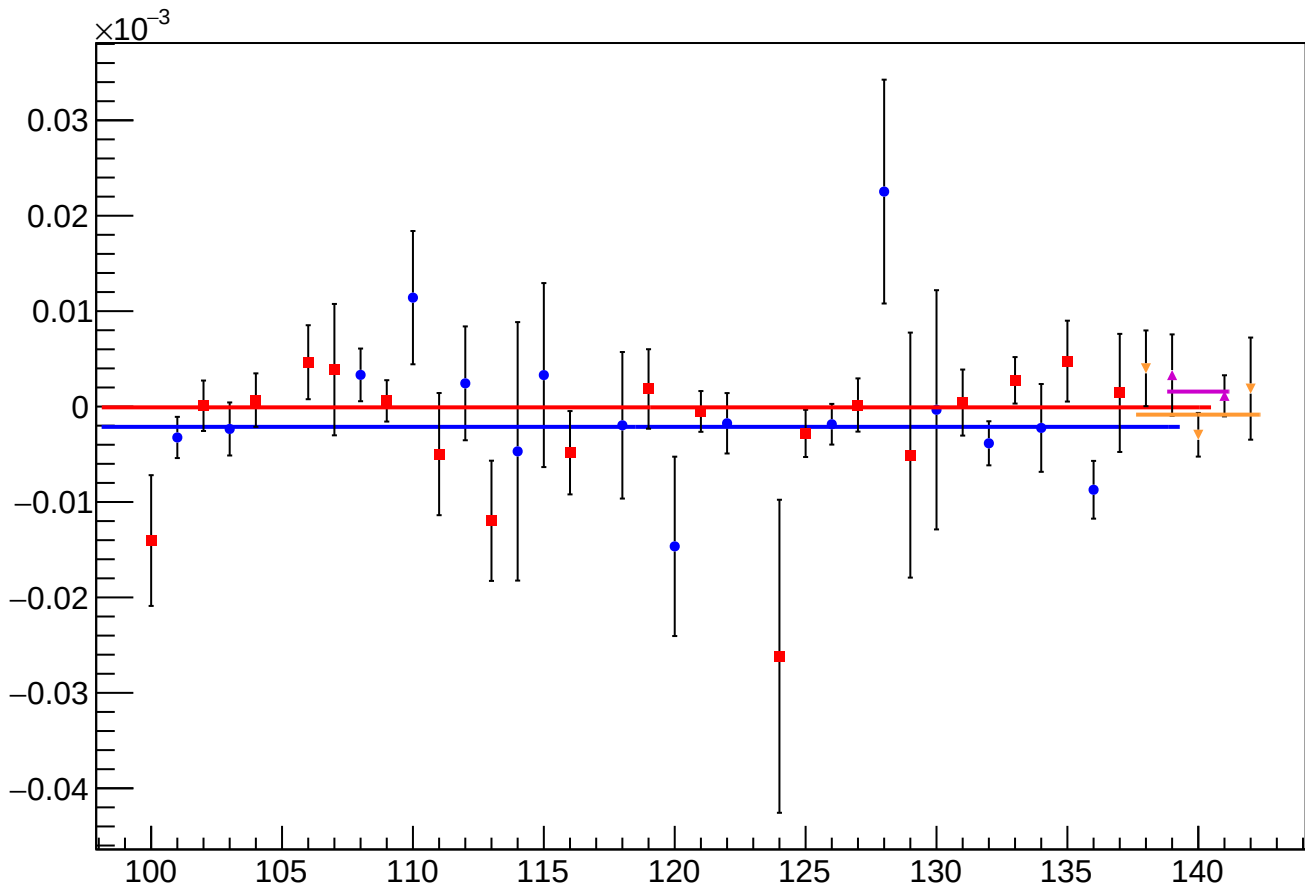
Left In: 34.414 $\pm$ 0.020 χ^2 /NDF: 15191.9/1

+ sign 37.796 $\pm$ 0.010 χ^2 /NDF: 1784892.7/18

All: 37.343 $\pm$ 0.007 χ^2 /NDF: 3769862.4/39

- sign 36.887 $\pm$ 0.010 χ^2 /NDF: 1980692.1/20

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 : 2.6/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

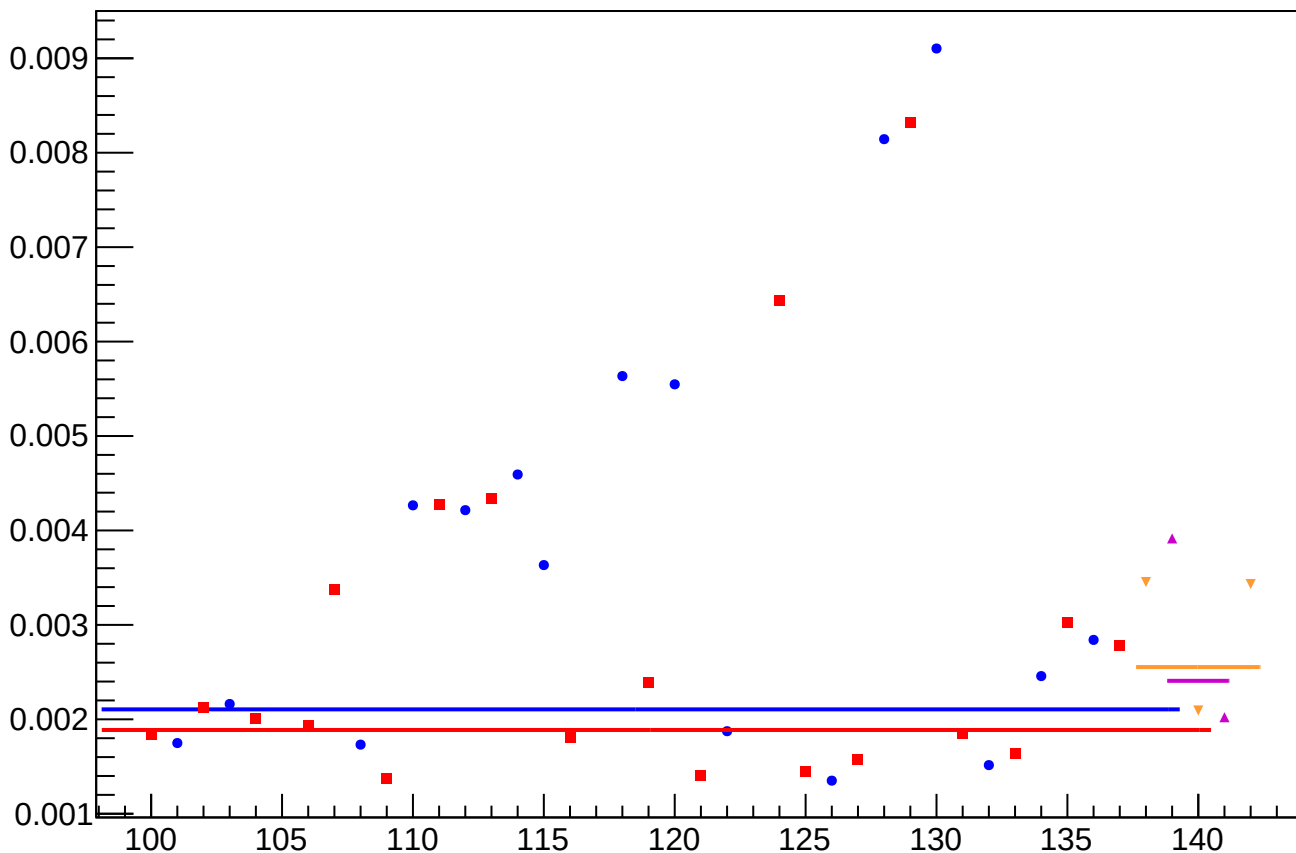
Left In: 0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 23.4/18

All: -0.000 ± 0.000 χ^2/NDF : 46.1/39

- sign 0.000 ± 0.000 χ^2/NDF : 19.2/20

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3017568.9/15

Left Out: 0.003+/-0.000 χ^2/NDF :237760.6/2

Right Out: 0.002+/-0.000 χ^2/NDF : 1892000.0/18

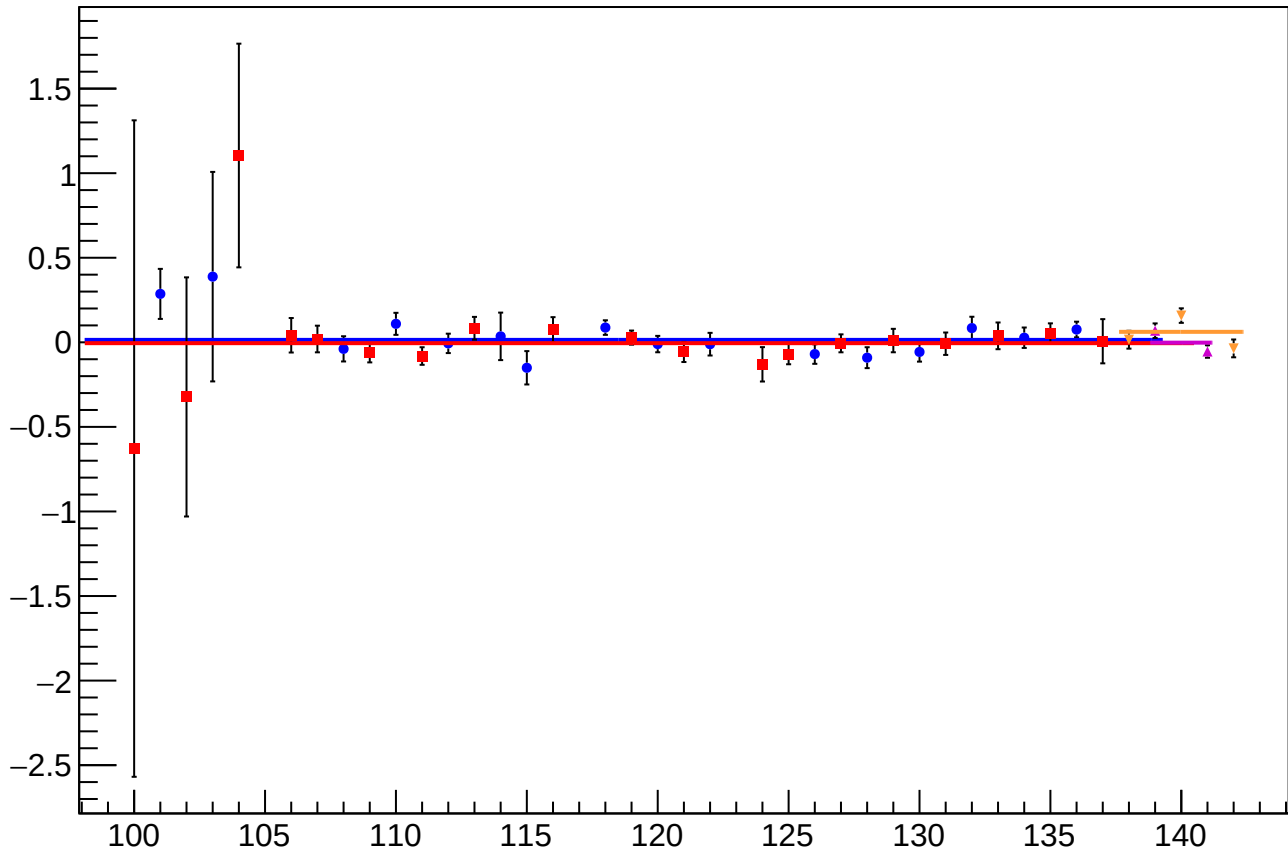
Left In: 0.002+/-0.000 χ^2/NDF :314422.3/1

+ sign 0.002+/-0.000 χ^2/NDF : 3349655.1/18

All: 0.002+/-0.000 χ^2/NDF : 5768910.7/39

- sign 0.002+/-0.000 χ^2/NDF : 2331802.6/20

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.016 χ^2 /NDF: 22.0/15

Left Out: 0.062 $\pm$ 0.028 χ^2 /NDF: 9.2/2

Right Out: -0.005 $\pm$ 0.016 χ^2 /NDF: 14.9/18

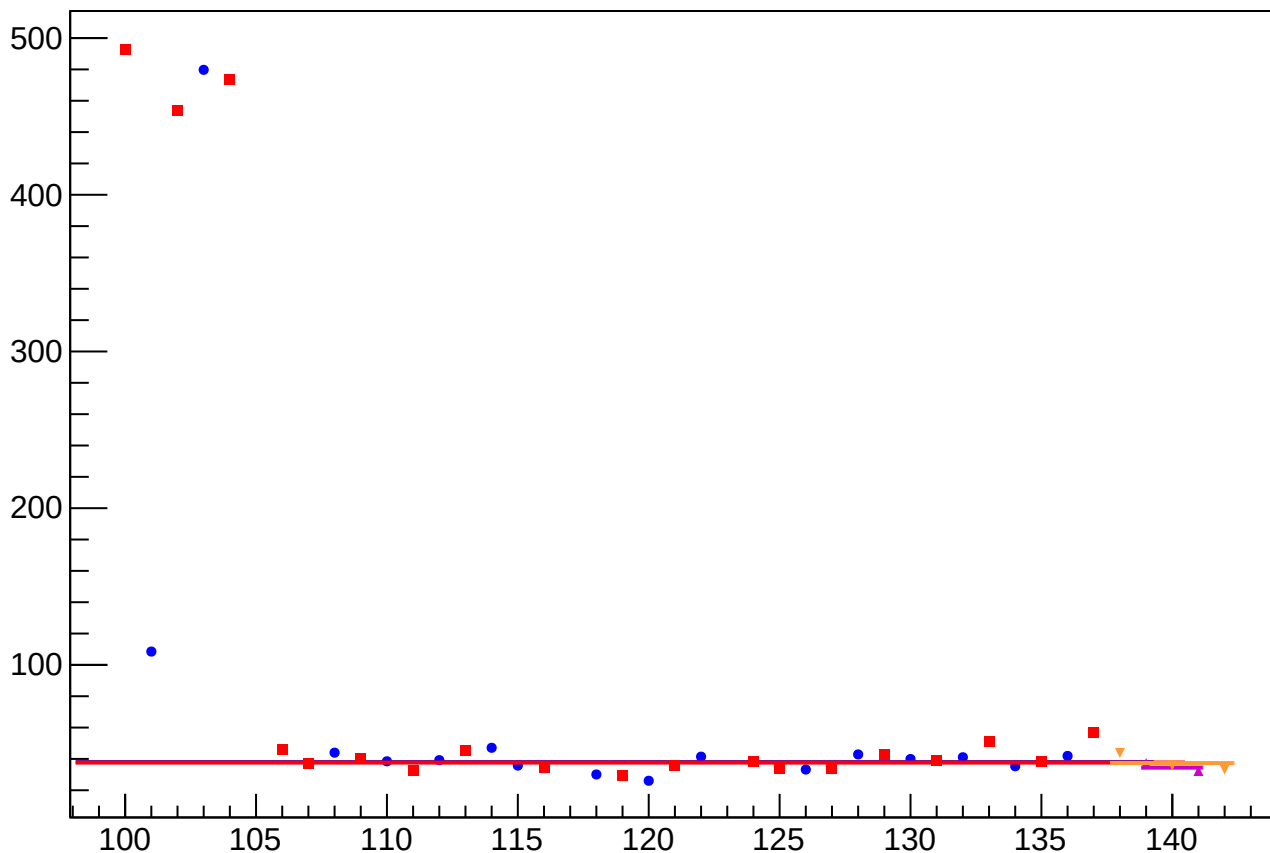
Left In: -0.002 $\pm$ 0.028 χ^2 /NDF: 4.7/1

+ sign 0.026 $\pm$ 0.014 χ^2 /NDF: 33.4/18

All: 0.011 $\pm$ 0.010 χ^2 /NDF: 55.4/39

- sign -0.004 $\pm$ 0.014 χ^2 /NDF: 19.6/20

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: 37.338 $\pm$ 0.020 χ^2 /NDF: 44536.0/2

Right Out: 37.695 $\pm$ 0.011 χ^2 /NDF: 1944959.2/18

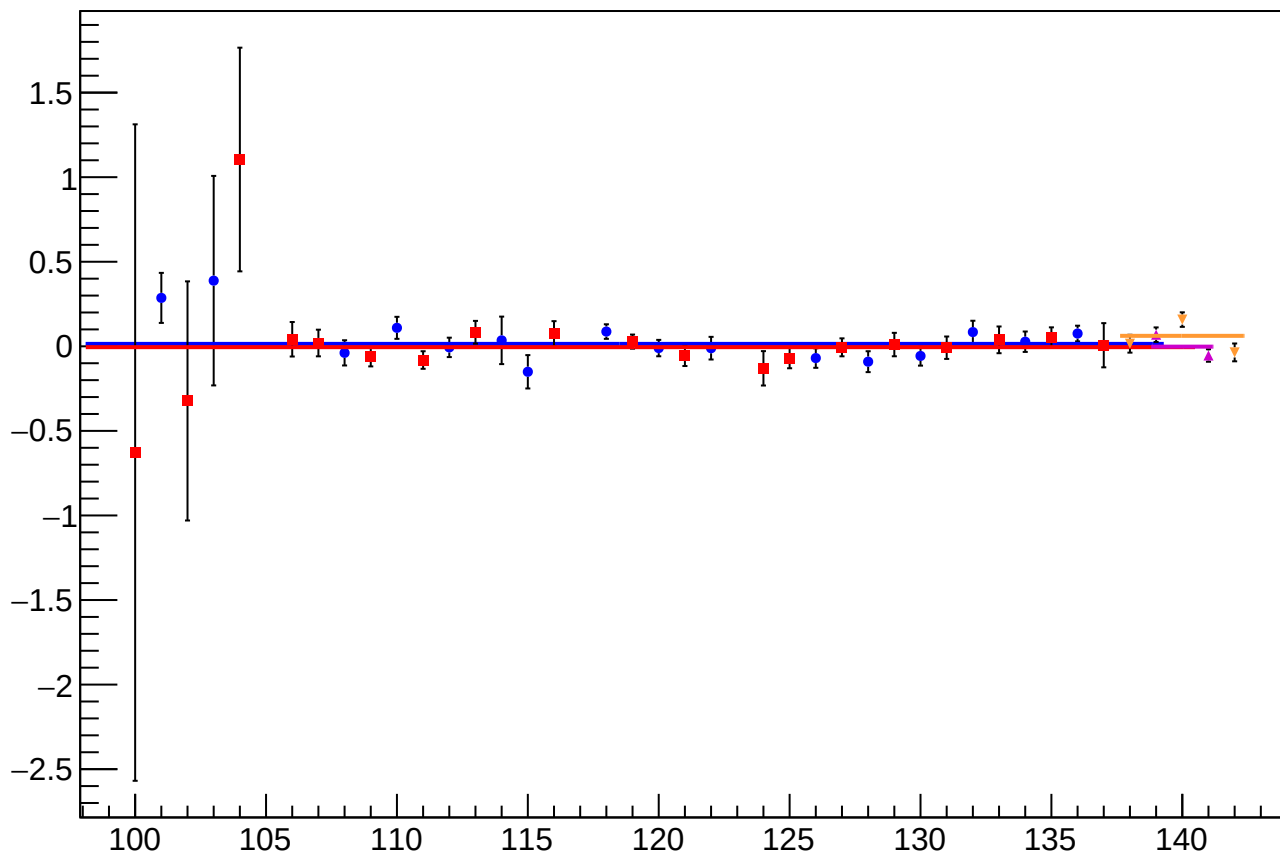
Left In: 34.413 $\pm$ 0.020 χ^2 /NDF: 15191.6/1

+ sign 37.796 $\pm$ 0.010 χ^2 /NDF: 1784912.2/18

All: 37.343 $\pm$ 0.007 χ^2 /NDF: 3769958.9/39

- sign 36.886 $\pm$ 0.010 χ^2 /NDF: 1980762.2/20

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: 0.062 $\pm$ 0.028 χ^2 /NDF: 9.2/2

Right Out: -0.005 $\pm$ 0.016 χ^2 /NDF: 14.9/18

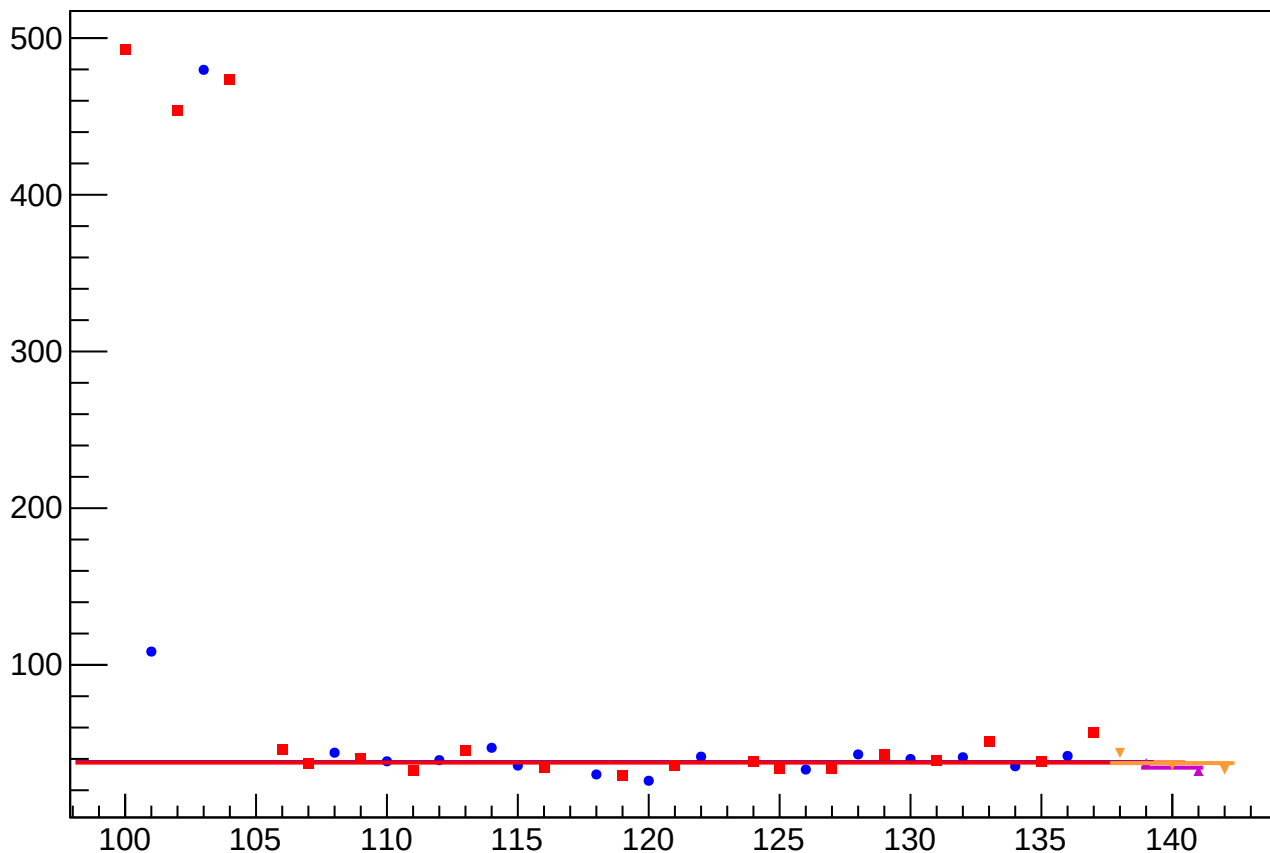
Left In: -0.002 $\pm$ 0.028 χ^2 /NDF: 4.7/1

+ sign 0.026 $\pm$ 0.014 χ^2 /NDF: 33.4/18

All: 0.011 $\pm$ 0.010 χ^2 /NDF: 55.4/39

- sign -0.004 $\pm$ 0.014 χ^2 /NDF: 19.6/20

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: 37.338 $\pm$ 0.020 χ^2 /NDF: 44536.0/2

Right Out: 37.695 $\pm$ 0.011 χ^2 /NDF: 1944959.2/18

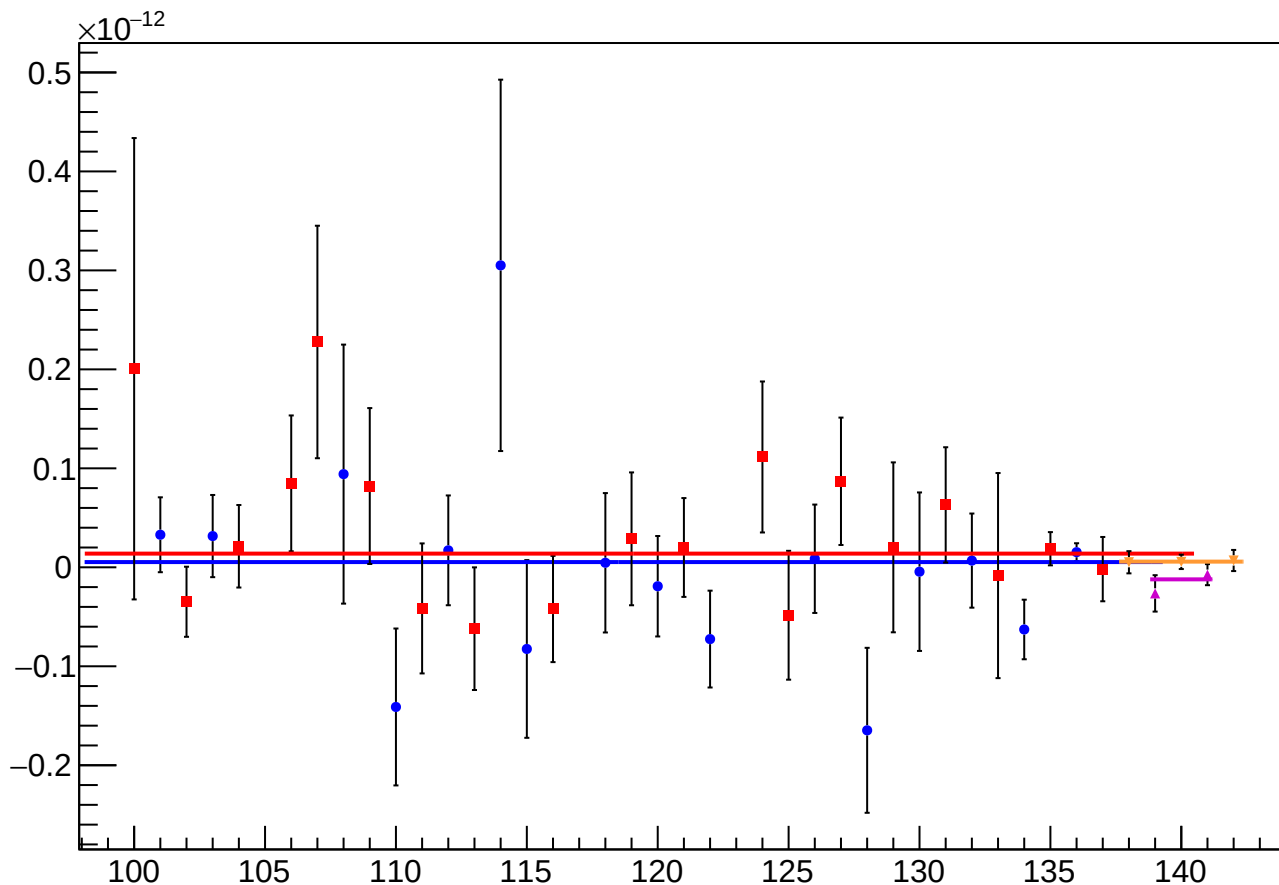
Left In: 34.413 $\pm$ 0.020 χ^2 /NDF: 15191.6/1

+ sign 37.796 $\pm$ 0.010 χ^2 /NDF: 1784912.2/18

All: 37.343 $\pm$ 0.007 χ^2 /NDF: 3769958.9/39

- sign 36.886 $\pm$ 0.010 χ^2 /NDF: 1980762.2/20

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: 0.0/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

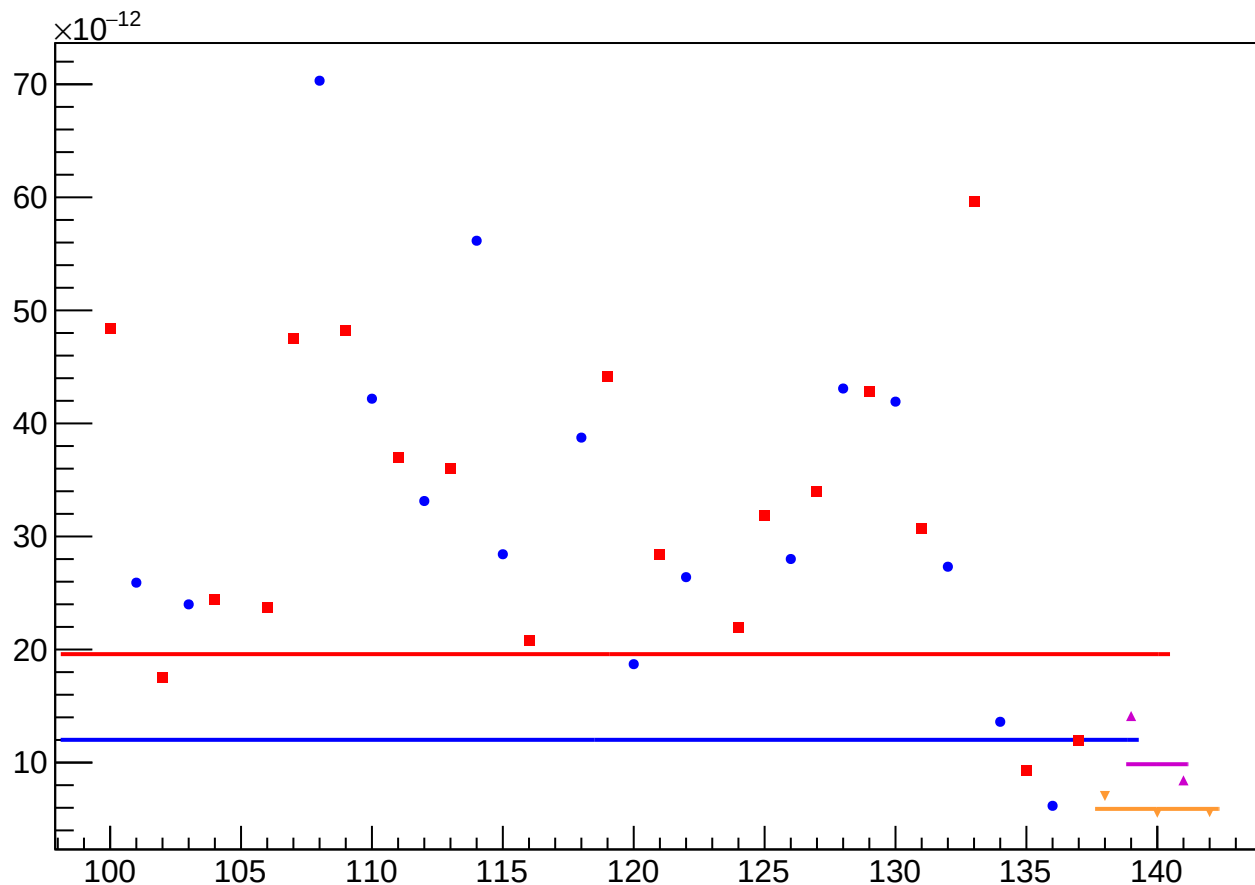
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.7/18

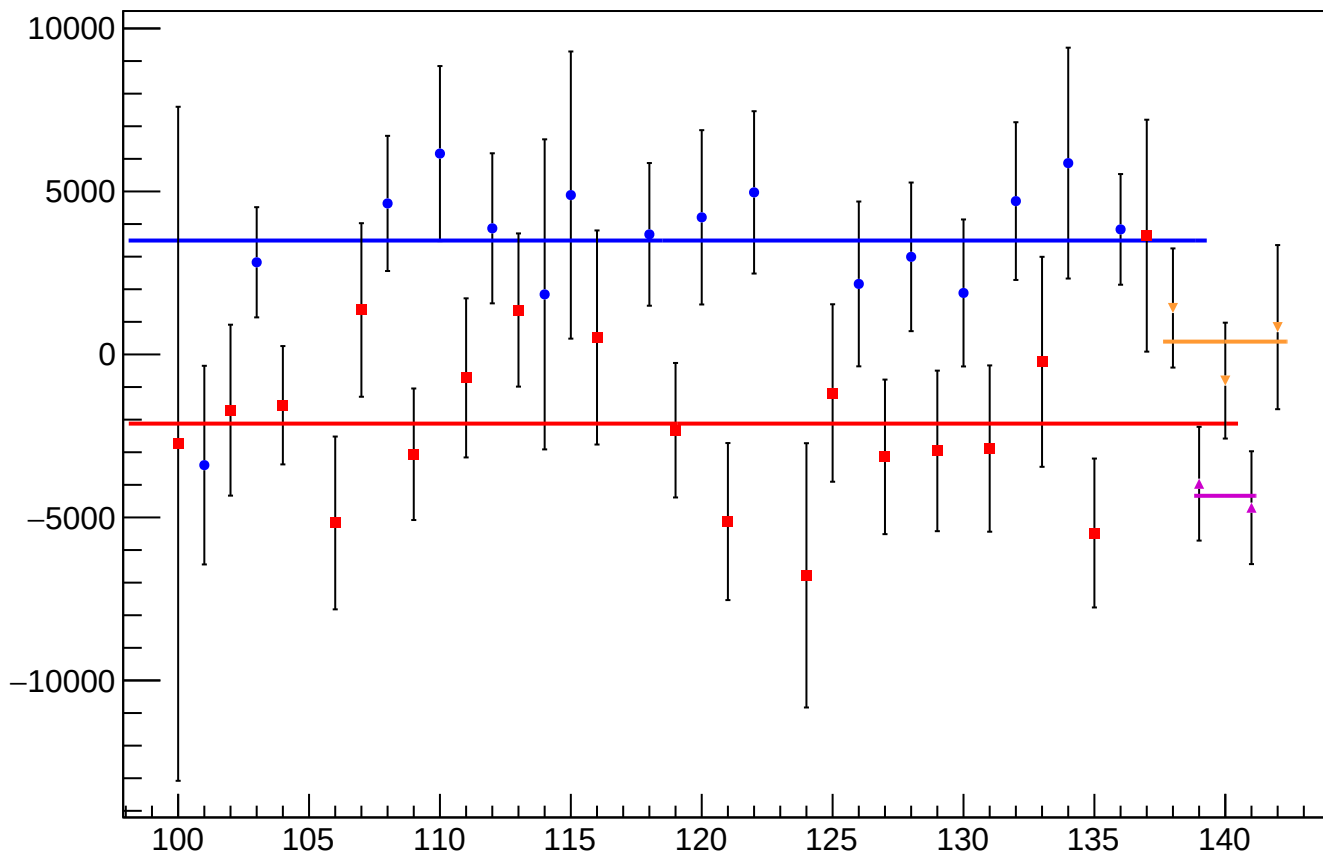
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.5/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.2/20

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380 ± 601.185 $\chi^2/\text{NDF}: 8.8/15$

Left Out: 393.688 ± 1136.831 $\chi^2/\text{NDF}: 0.8/2$

Right Out: -2121.717 ± 587.617 $\chi^2/\text{NDF}: 15.1/18$

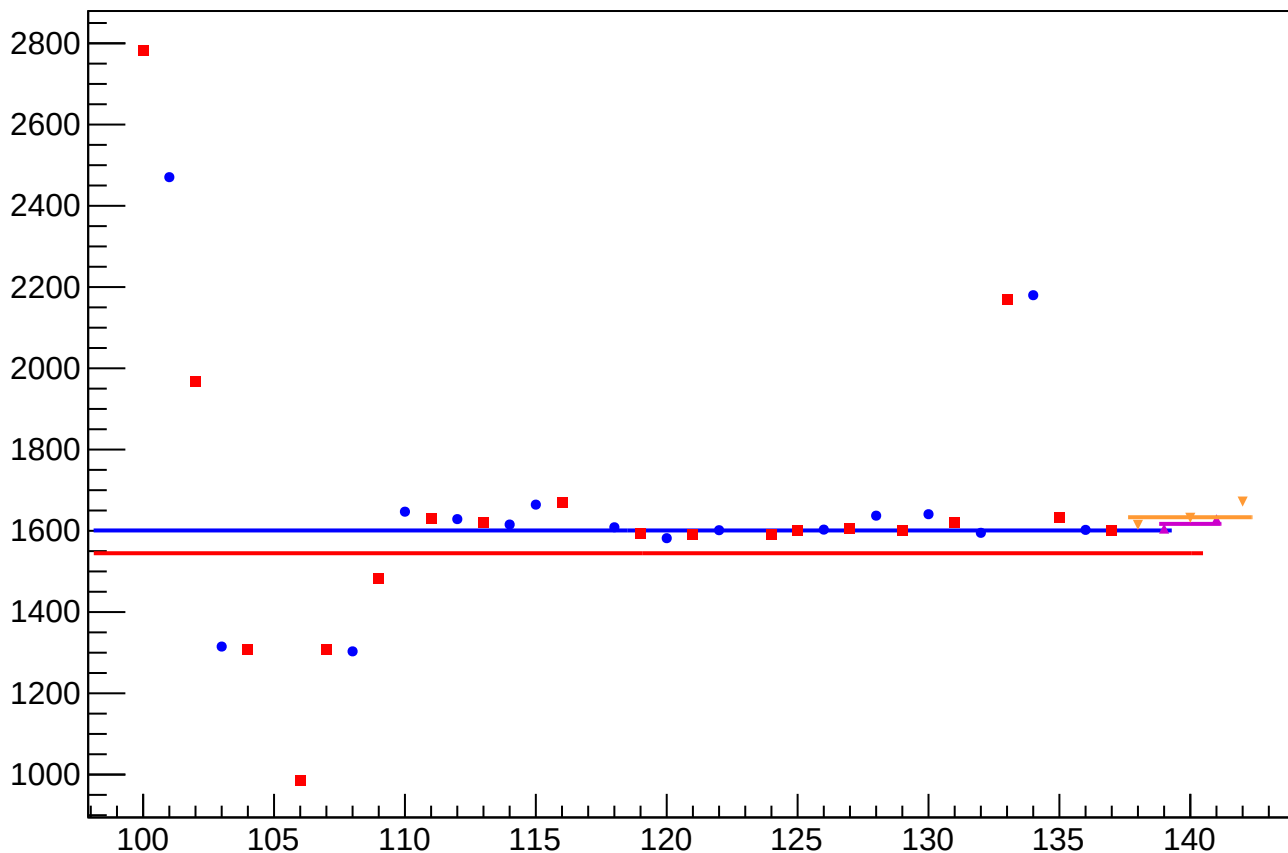
Left In: -4336.023 ± 1228.887 $\chi^2/\text{NDF}: 0.1/1$

+ sign 2816.755 ± 531.449 $\chi^2/\text{NDF}: 15.4/18$

All: 134.824 ± 375.323 $\chi^2/\text{NDF}: 84.0/39$

- sign -2533.791 ± 530.128 $\chi^2/\text{NDF}: 17.8/20$

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF : 317414.0/15

Left Out: 1633.439+/-0.804 χ^2/NDF : 682.6/2

Right Out: 1544.809+/-0.409 χ^2/NDF : 376127.4/18

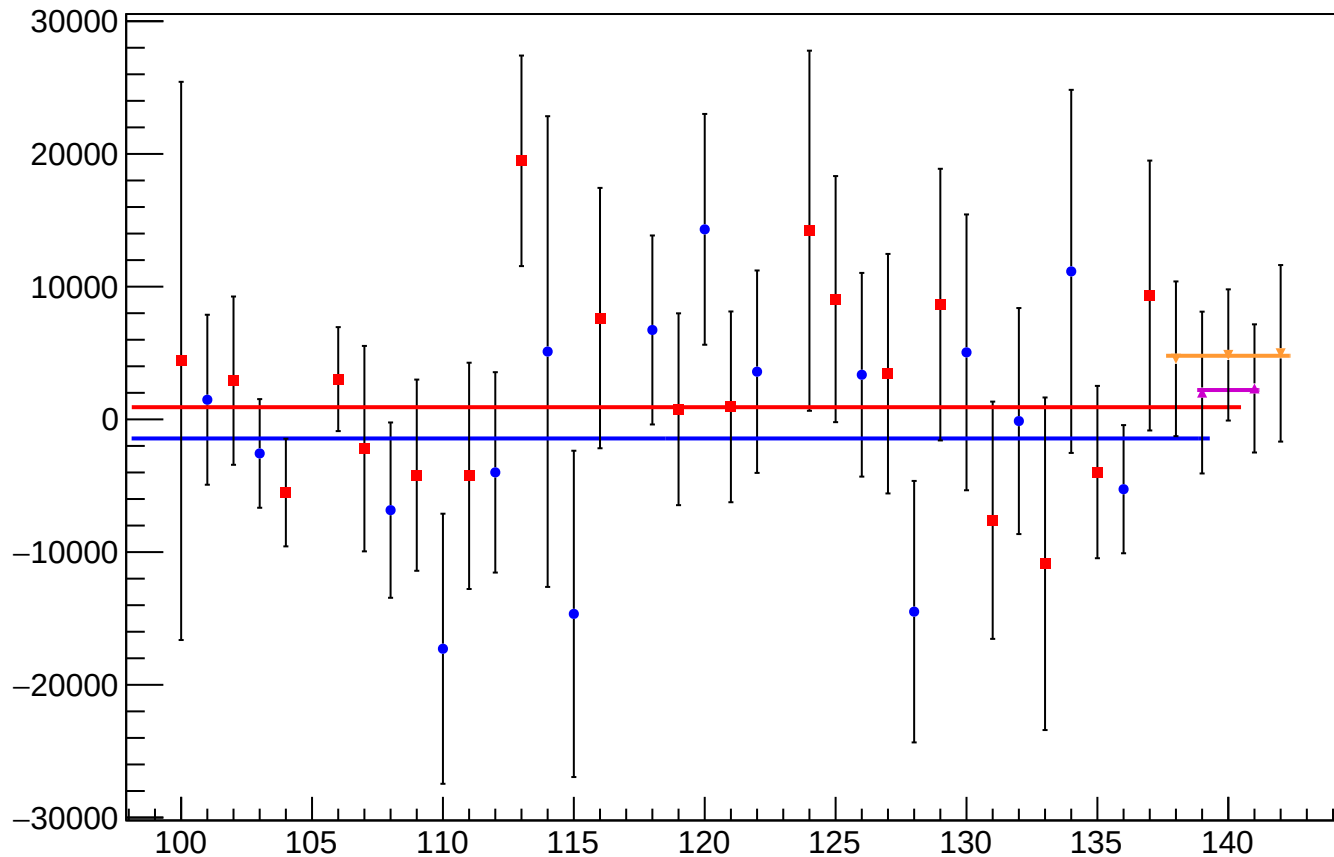
Left In: 1617.055+/-0.869 χ^2/NDF : 175.0/1

+ sign 1607.995+/-0.376 χ^2/NDF : 319378.6/18

All: 1582.536+/-0.264 χ^2/NDF : 710374.9/39

- sign 1557.890+/-0.370 χ^2/NDF : 381963.3/20

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF : 13.9/15

Left Out: 4792.513+/-3279.633 χ^2/NDF : 0.0/2

Right Out: 918.485+/-1669.278 χ^2/NDF : 15.3/18

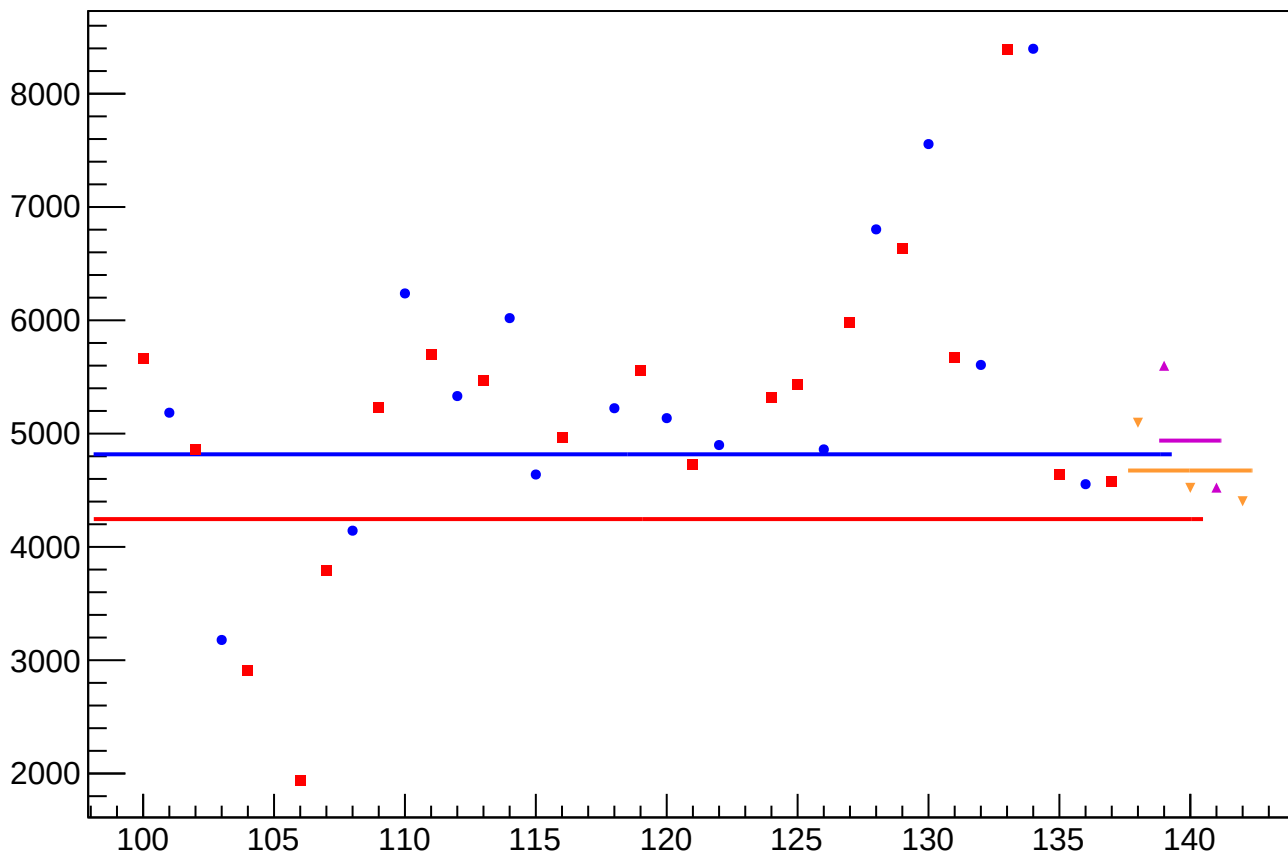
Left In: 2212.211+/-3785.032 χ^2/NDF : 0.0/1

+ sign 64.519+/-1610.188 χ^2/NDF : 16.6/18

All: 624.923+/-1108.124 χ^2/NDF : 32.3/39

- sign 1129.142+/-1527.340 χ^2/NDF : 15.4/20

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344 $\pm$ 1.307 χ^2/NDF : 795431.1/15

Left Out: 4674.318 $\pm$ 2.319 χ^2/NDF : 15721.7/2

Right Out: 4245.533 $\pm$ 1.180 χ^2/NDF : 1683159.2/18

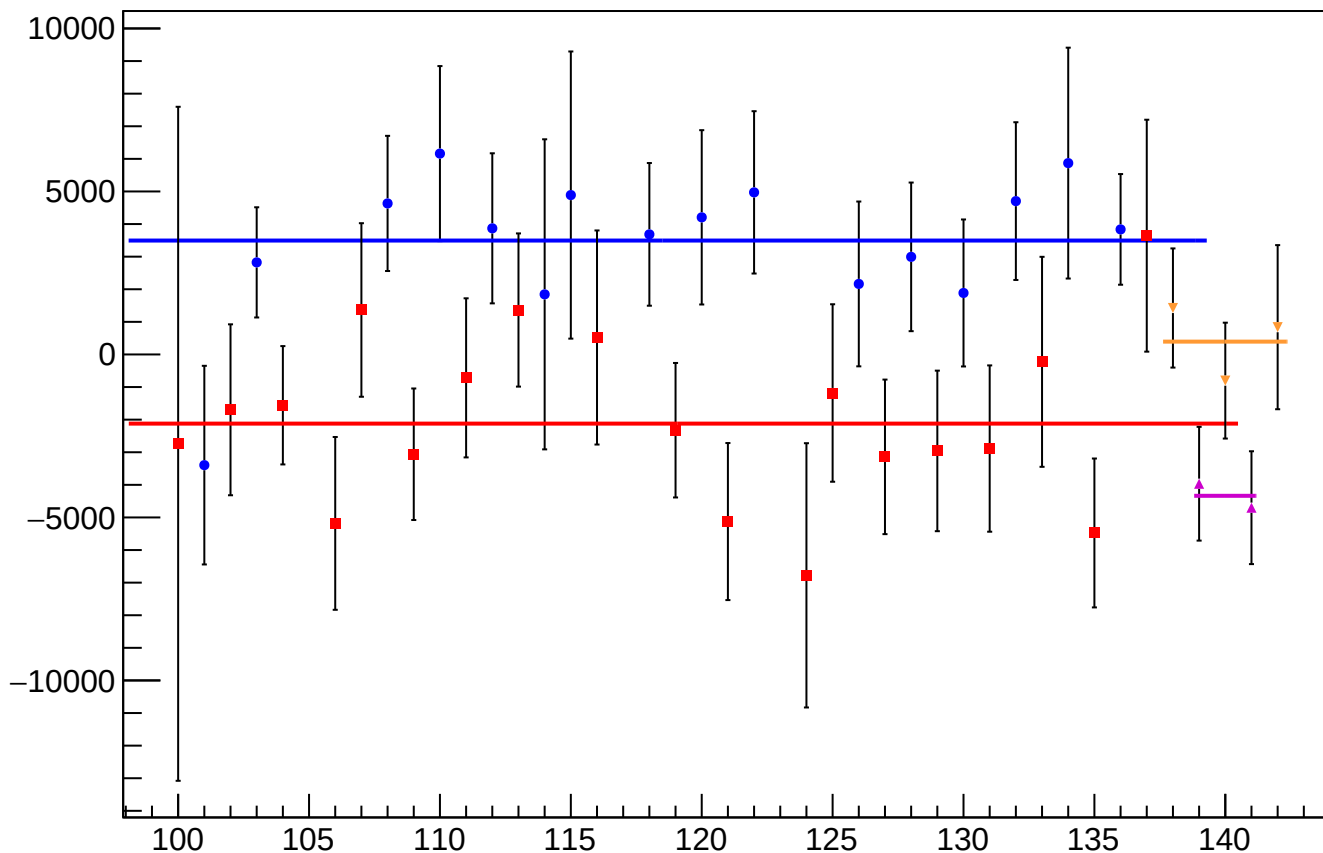
Left In: 4938.326 $\pm$ 2.676 χ^2/NDF : 38248.2/1

+ sign 4782.868 $\pm$ 1.139 χ^2/NDF : 814039.6/18

All: 4559.402 $\pm$ 0.784 χ^2/NDF : 2664720.7/39

- sign 4358.340 $\pm$ 1.080 χ^2/NDF : 1777500.8/20

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046 $\pm$ 601.185 χ^2 /NDF: 8.8/15

Left Out: 393.466 $\pm$ 1136.831 χ^2 /NDF: 0.8/2

Right Out: -2121.708 $\pm$ 587.619 χ^2 /NDF: 15.1/18

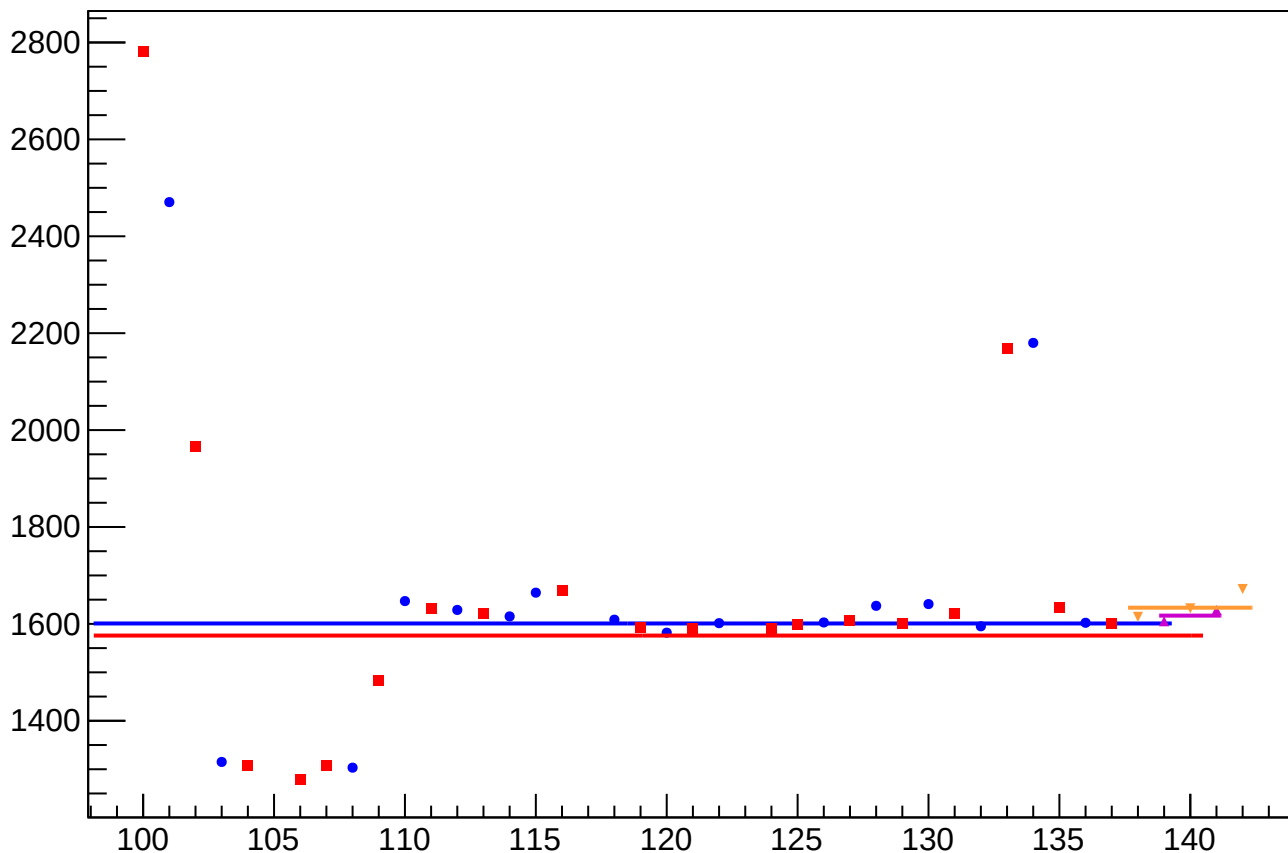
Left In: -4336.227 $\pm$ 1228.887 χ^2 /NDF: 0.1/1

+ sign 2816.445 $\pm$ 531.449 χ^2 /NDF: 15.4/18

All: 134.663 $\pm$ 375.324 χ^2 /NDF: 84.1/39

- sign -2533.825 $\pm$ 530.130 χ^2 /NDF: 17.8/20

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF : 317413.1/15

Left Out: 1633.439+/-0.804 χ^2/NDF : 682.6/2

Right Out: 1575.900+/-0.414 χ^2/NDF : 243332.0/18

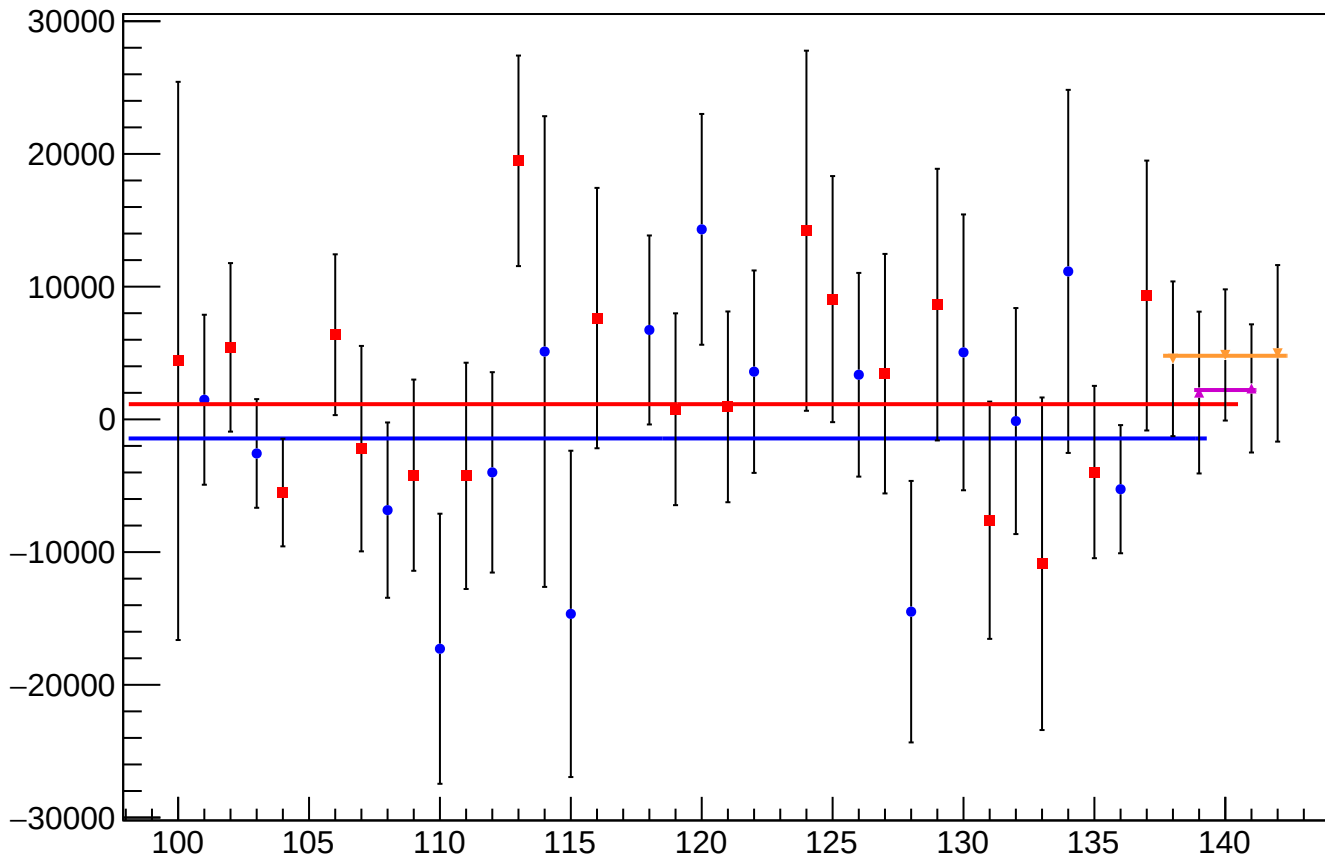
Left In: 1617.055+/-0.869 χ^2/NDF : 175.0/1

+ sign 1607.995+/-0.376 χ^2/NDF : 319377.7/18

All: 1595.683+/-0.265 χ^2/NDF : 566847.7/39

- sign 1583.510+/-0.374 χ^2/NDF : 245335.3/20

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF : 13.9/15

Left Out: 4792.168+/-3279.619 χ^2/NDF : 0.0/2

Right Out: 1146.174+/-1765.384 χ^2/NDF : 16.3/18

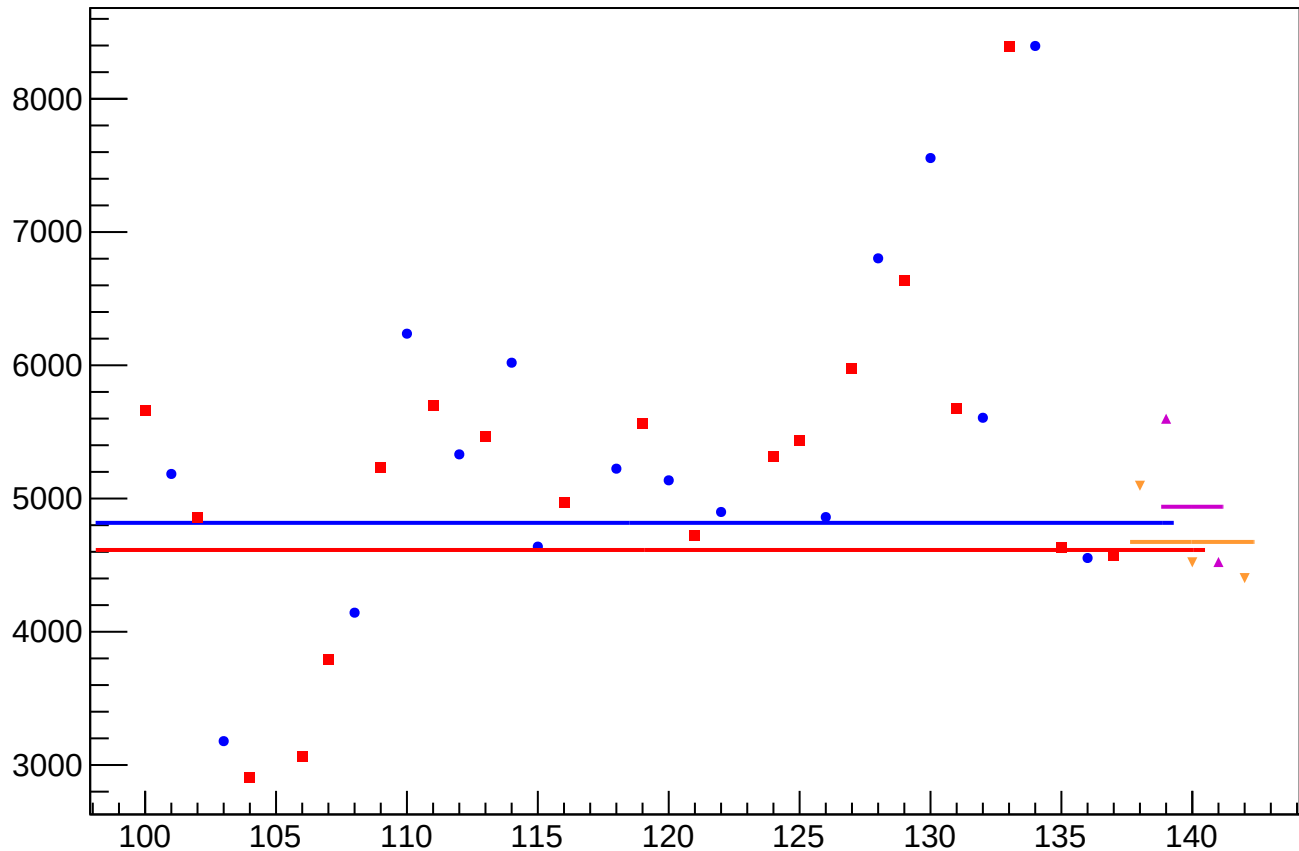
Left In: 2212.197+/-3785.027 χ^2/NDF : 0.0/1

+ sign 64.307+/-1610.211 χ^2/NDF : 16.6/18

All: 704.555+/-1134.934 χ^2/NDF : 33.2/39

- sign 1336.643+/-1599.917 χ^2/NDF : 16.3/20

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF : 795233.3/15

Left Out: 4674.296+/-2.319 χ^2/NDF : 15723.0/2

Right Out: 4613.851+/-1.248 χ^2/NDF : 977958.2/18

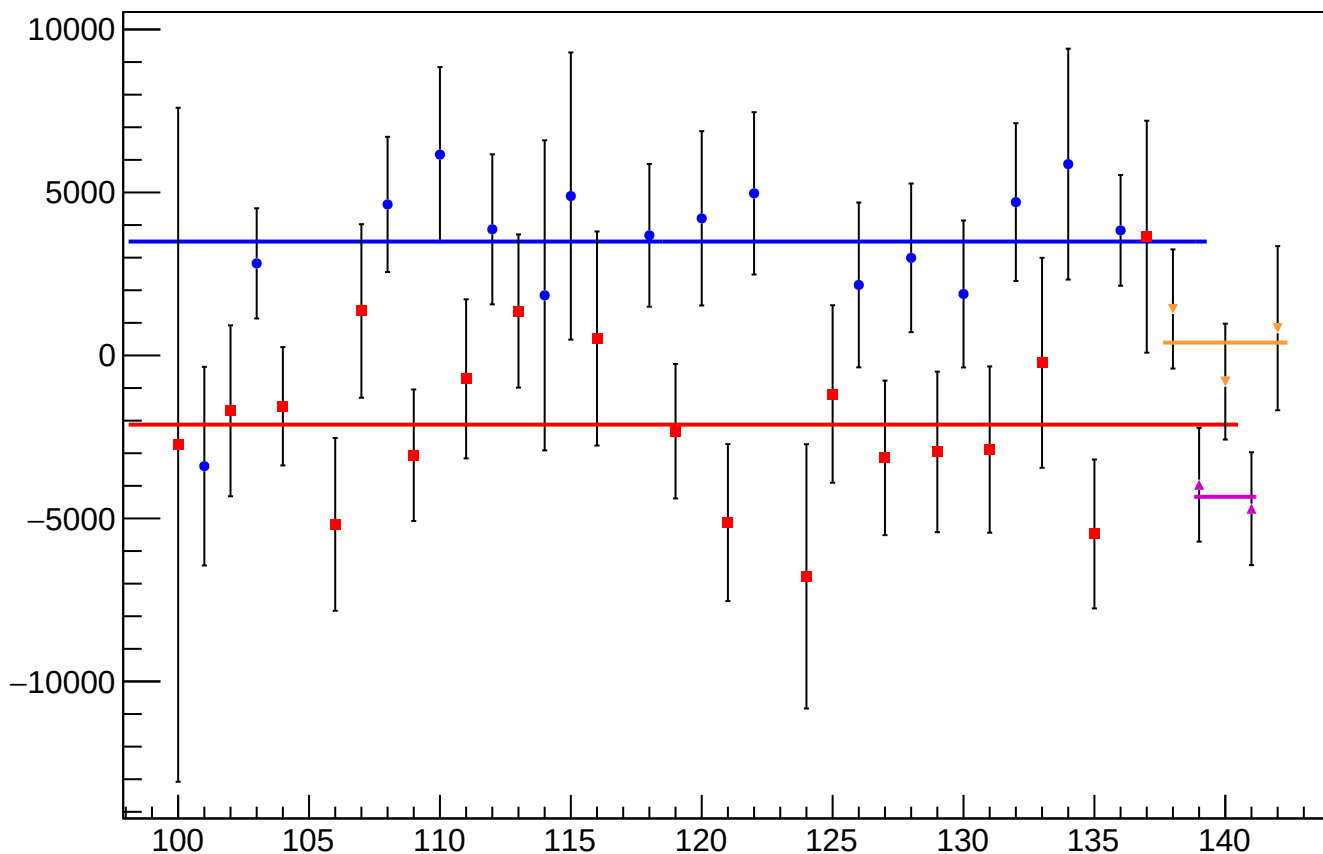
Left In: 4938.319+/-2.676 χ^2/NDF : 38249.0/1

+ sign 4782.964+/-1.139 χ^2/NDF : 813849.5/18

All: 4727.038+/-0.803 χ^2/NDF : 1846922.6/39

- sign 4671.824+/-1.131 χ^2/NDF : 1028278.5/20

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046 $\pm$ 601.185 χ^2 /NDF: 8.8/15

Left Out: 393.466 $\pm$ 1136.831 χ^2 /NDF:0.8/2

Right Out: -2121.708 $\pm$ 587.619 χ^2 /NDF: 15.1/18

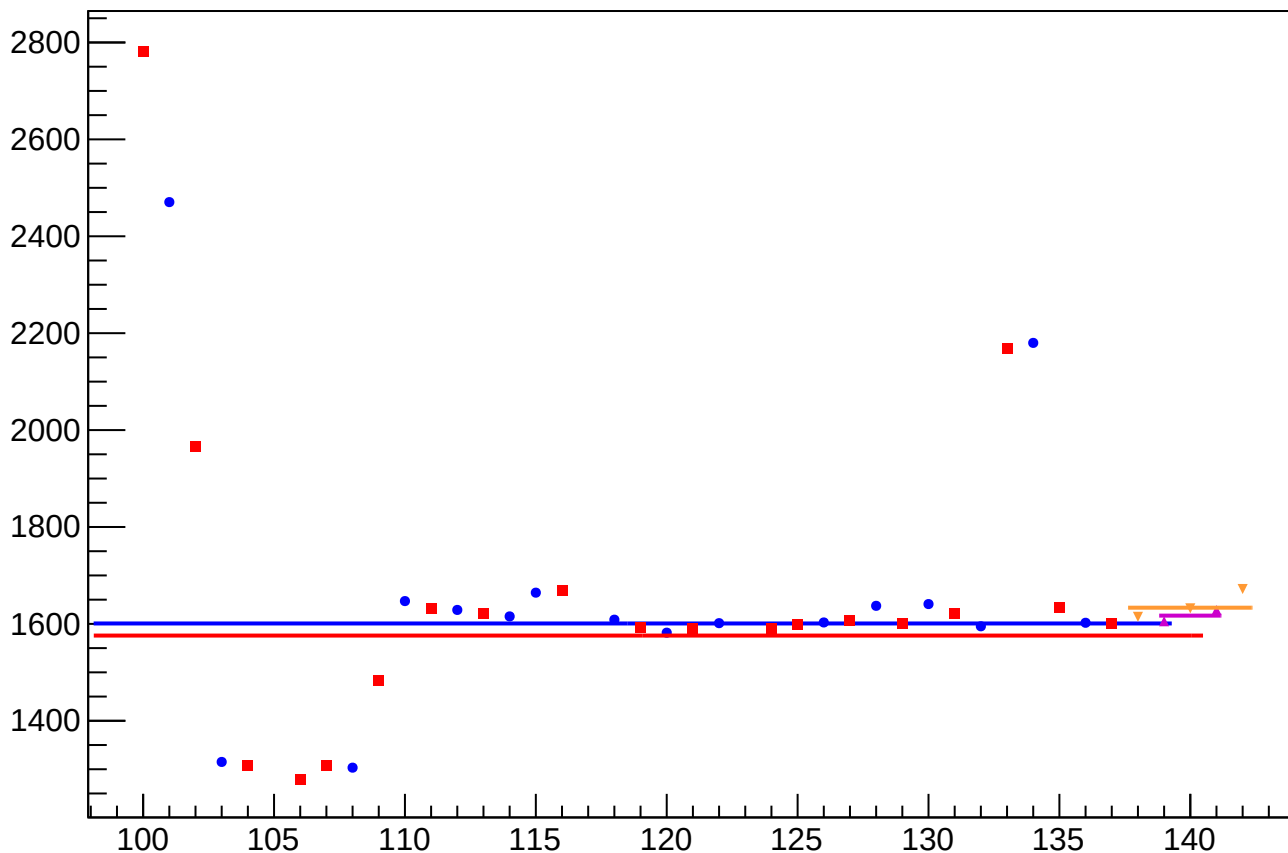
Left In: -4336.227 $\pm$ 1228.887 χ^2 /NDF:0.1/1

+ sign 2816.445 $\pm$ 531.449 χ^2 /NDF: 15.4/18

All: 134.663 $\pm$ 375.324 χ^2 /NDF: 84.1/39

- sign -2533.825 $\pm$ 530.130 χ^2 /NDF: 17.8/20

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880 $\pm$ 0.425 χ^2 /NDF: 317413.1/15

Left Out: 1633.439 $\pm$ 0.804 χ^2 /NDF:682.6/2

Right Out: 1575.900 $\pm$ 0.414 χ^2 /NDF: 243332.0/18

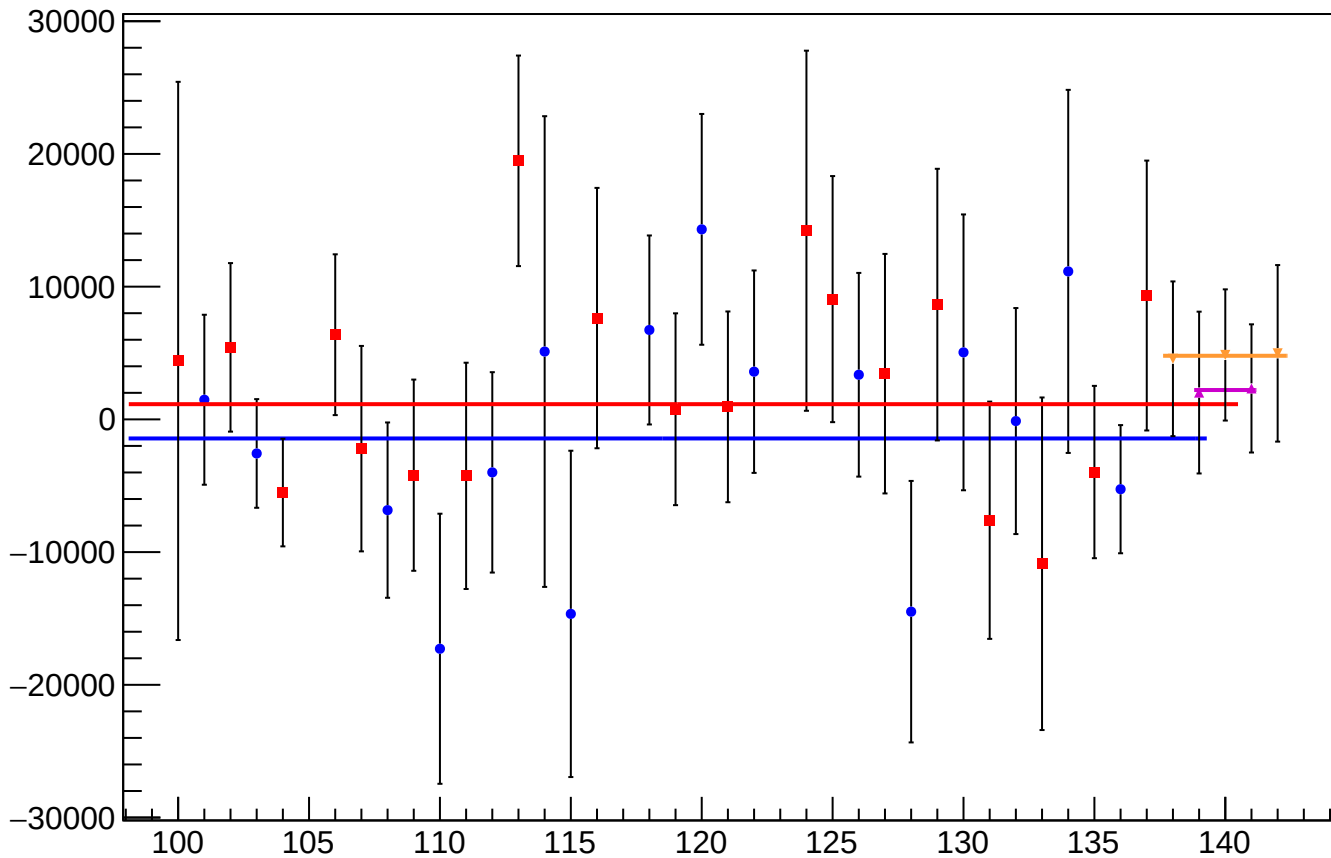
Left In: 1617.055 $\pm$ 0.869 χ^2 /NDF:175.0/1

+ sign 1607.995 $\pm$ 0.376 χ^2 /NDF: 319377.7/18

All: 1595.683 $\pm$ 0.265 χ^2 /NDF: 566847.7/39

- sign 1583.510 $\pm$ 0.374 χ^2 /NDF: 245335.3/20

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: 4792.168 $\pm$ 3279.619 χ^2 /NDF: 0.0/2

Right Out: 1146.174 $\pm$ 1765.384 χ^2 /NDF: 16.3/18

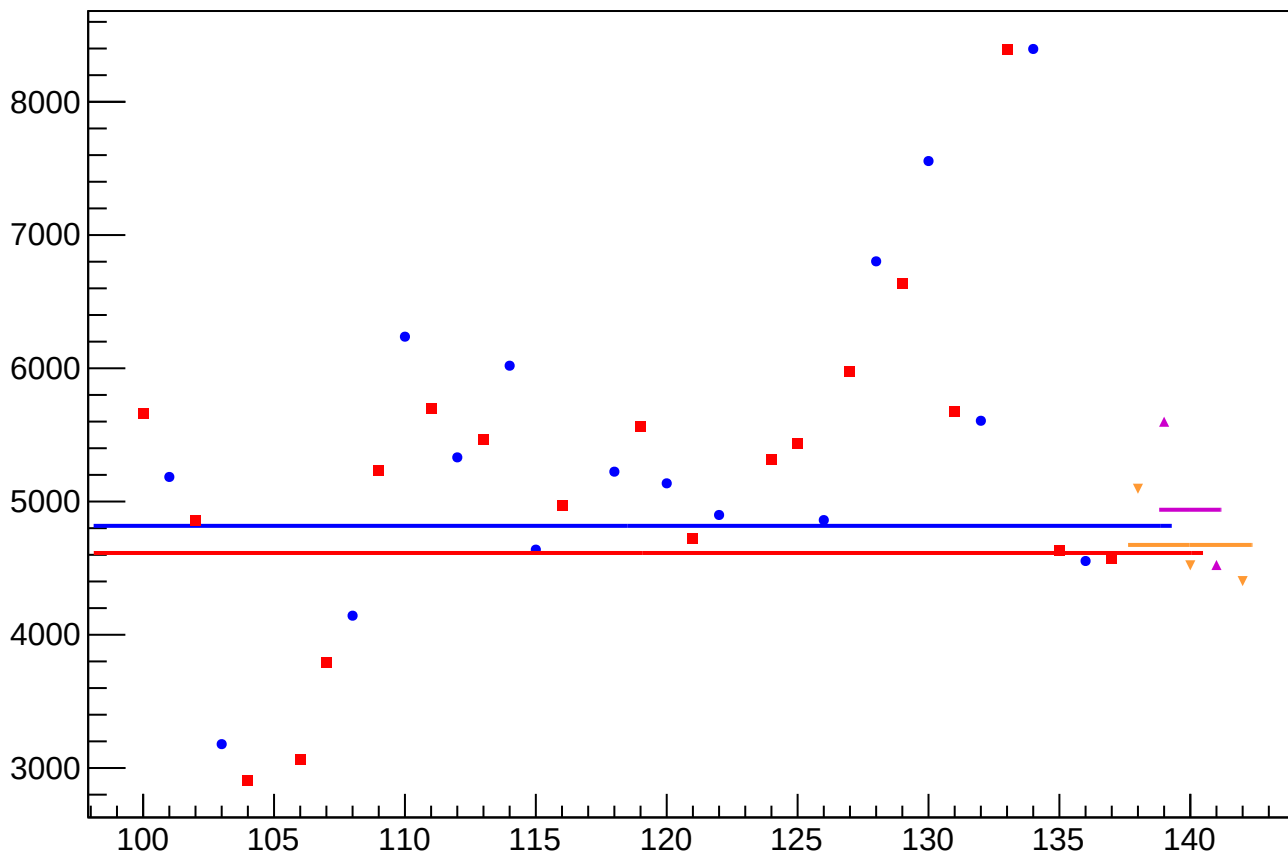
Left In: 2212.197 $\pm$ 3785.027 χ^2 /NDF: 0.0/1

+ sign 64.307 $\pm$ 1610.211 χ^2 /NDF: 16.6/18

All: 704.555 $\pm$ 1134.934 χ^2 /NDF: 33.2/39

- sign 1336.643 $\pm$ 1599.917 χ^2 /NDF: 16.3/20

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4817.480 $\pm$ 1.307 χ^2/NDF : 795233.3/15

Left Out: 4674.296 $\pm$ 2.319 χ^2/NDF : 15723.0/2

Right Out: 4613.851 $\pm$ 1.248 χ^2/NDF : 977958.2/18

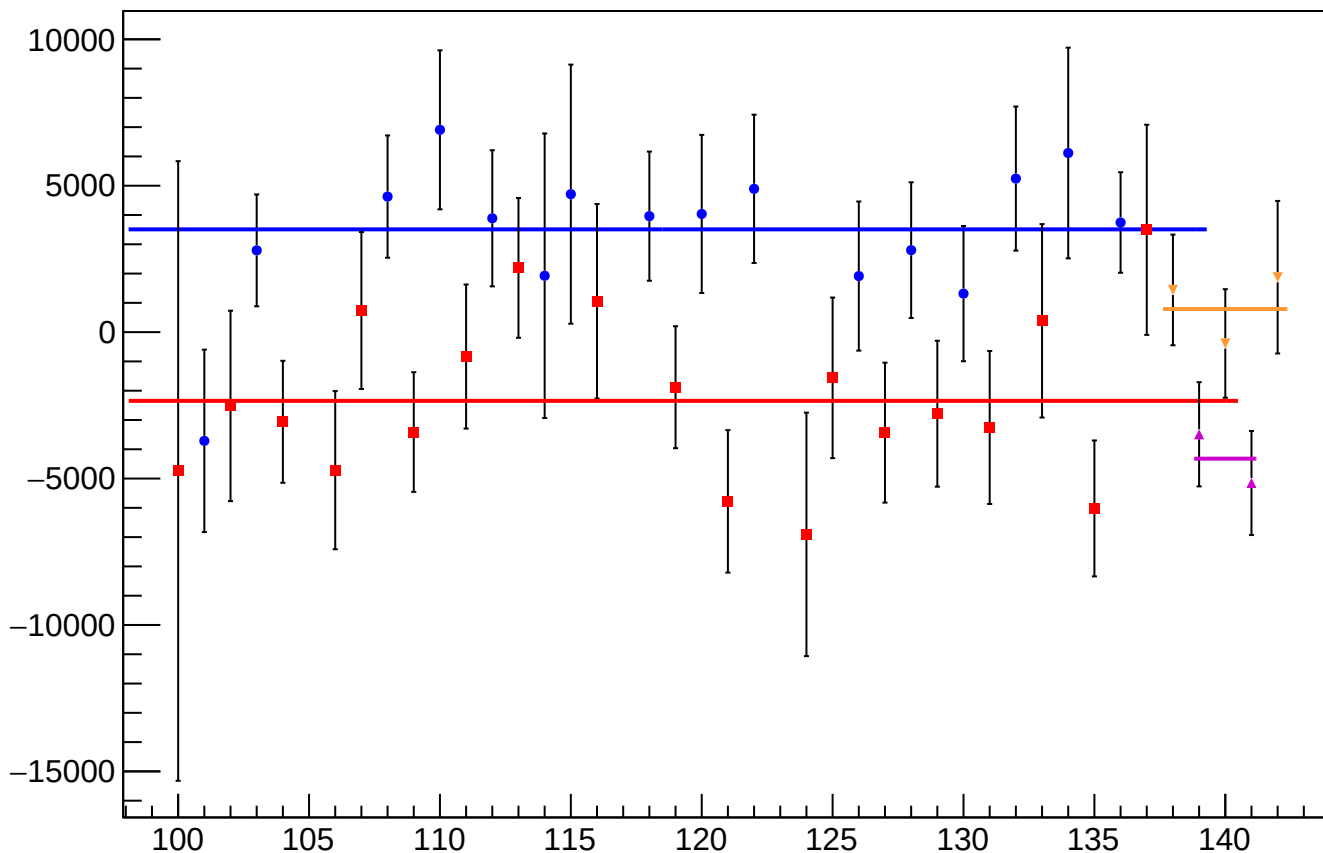
Left In: 4938.319 $\pm$ 2.676 χ^2/NDF : 38249.0/1

+ sign 4782.964 $\pm$ 1.139 χ^2/NDF : 813849.5/18

All: 4727.038 $\pm$ 0.803 χ^2/NDF : 1846922.6/39

- sign 4671.824 $\pm$ 1.131 χ^2/NDF : 1028278.5/20

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507 $\pm$ 616.724 χ^2 /NDF: 10.4/15

Left Out: 789.752 $\pm$ 1179.605 χ^2 /NDF: 0.7/2

Right Out: -2346.859 $\pm$ 607.502 χ^2 /NDF: 17.1/18

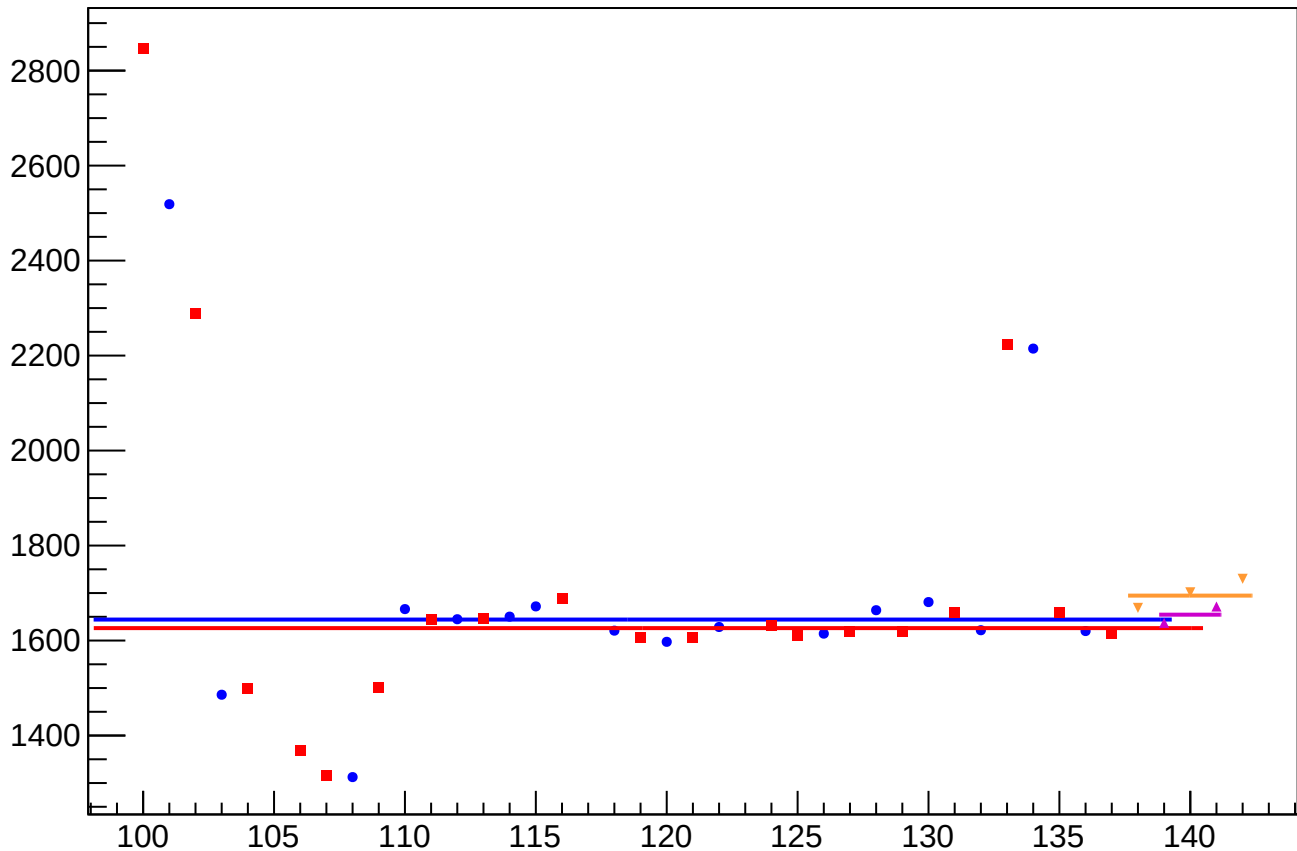
Left In: -4321.213 $\pm$ 1257.450 χ^2 /NDF: 0.4/1

+ sign 2925.668 $\pm$ 546.535 χ^2 /NDF: 15.3/18

All: 105.040 $\pm$ 386.626 χ^2 /NDF: 88.1/39

- sign -2720.481 $\pm$ 547.009 χ^2 /NDF: 19.5/20

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198 ± 0.436 $\chi^2/\text{NDF}: 274817.9/15$

Left Out: 1694.623 ± 0.834 $\chi^2/\text{NDF}: 770.7/2$

+ sign 1655.023 ± 0.386 $\chi^2/\text{NDF}: 278458.7/18$

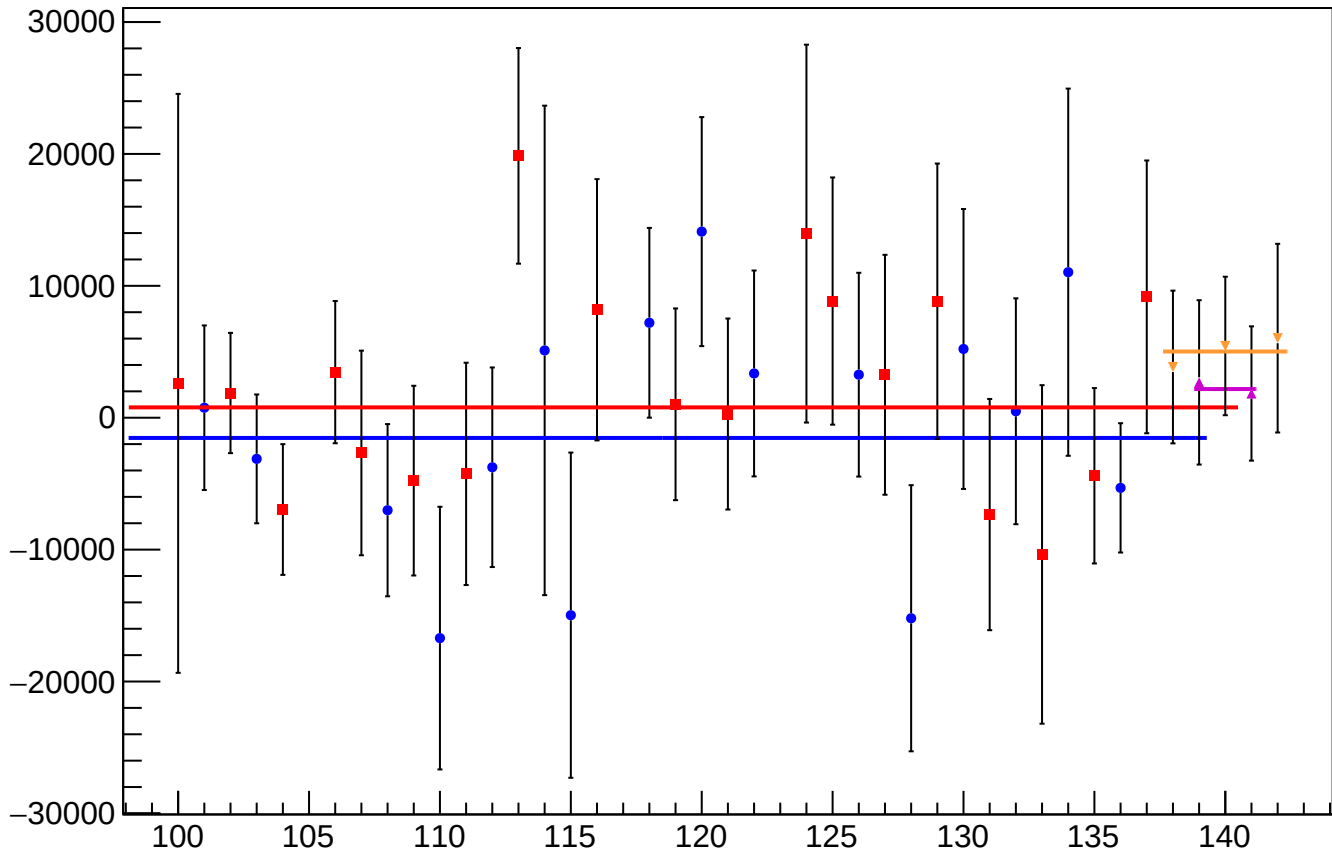
Right Out: 1626.174 ± 0.429 $\chi^2/\text{NDF}: 237639.1/18$

All: 1643.275 ± 0.273 $\chi^2/\text{NDF}: 519143.2/39$

- sign 1631.524 ± 0.387 $\chi^2/\text{NDF}: 238836.1/20$

Left In: 1654.482 ± 0.889 $\chi^2/\text{NDF}: 374.9/1$

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110 ± 1913.799 χ^2/NDF : 13.9/15

Left Out: 5020.103 ± 3416.701 χ^2/NDF : 0.1/2

Right Out: 784.235 ± 1748.566 χ^2/NDF : 15.0/18

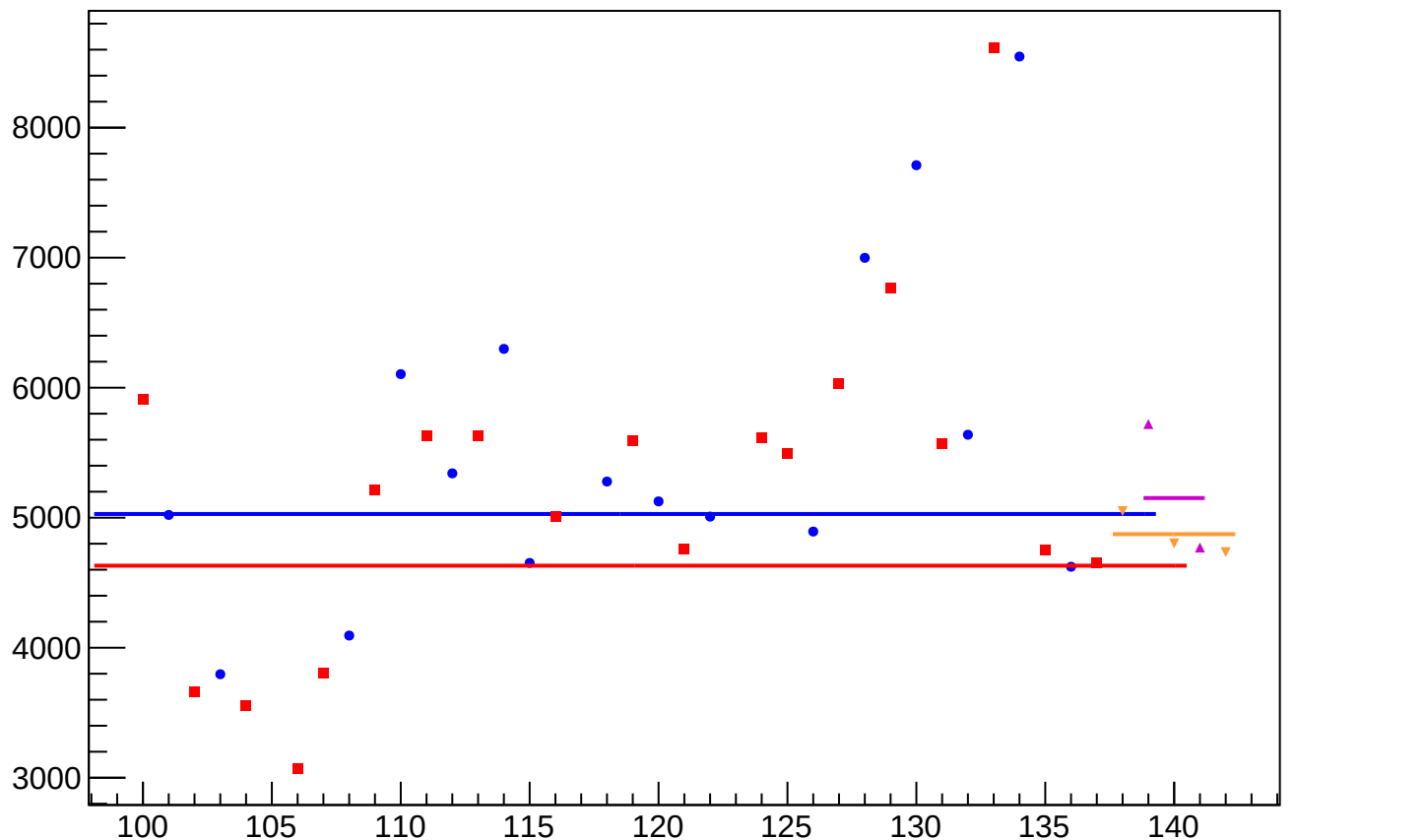
Left In: 2174.182 ± 3942.647 χ^2/NDF : 0.0/1

+ sign 32.676 ± 1669.708 χ^2/NDF : 16.7/18

All: 544.051 ± 1154.633 χ^2/NDF : 32.1/39

- sign 1012.692 ± 1598.419 χ^2/NDF : 15.2/20

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449 $\pm$ 1.353 χ^2/NDF : 565469.4/15

Left Out: 4873.481 $\pm$ 2.416 χ^2/NDF :2989.2/2

Right Out: 4630.901 $\pm$ 1.236 χ^2/NDF : 863515.0/18

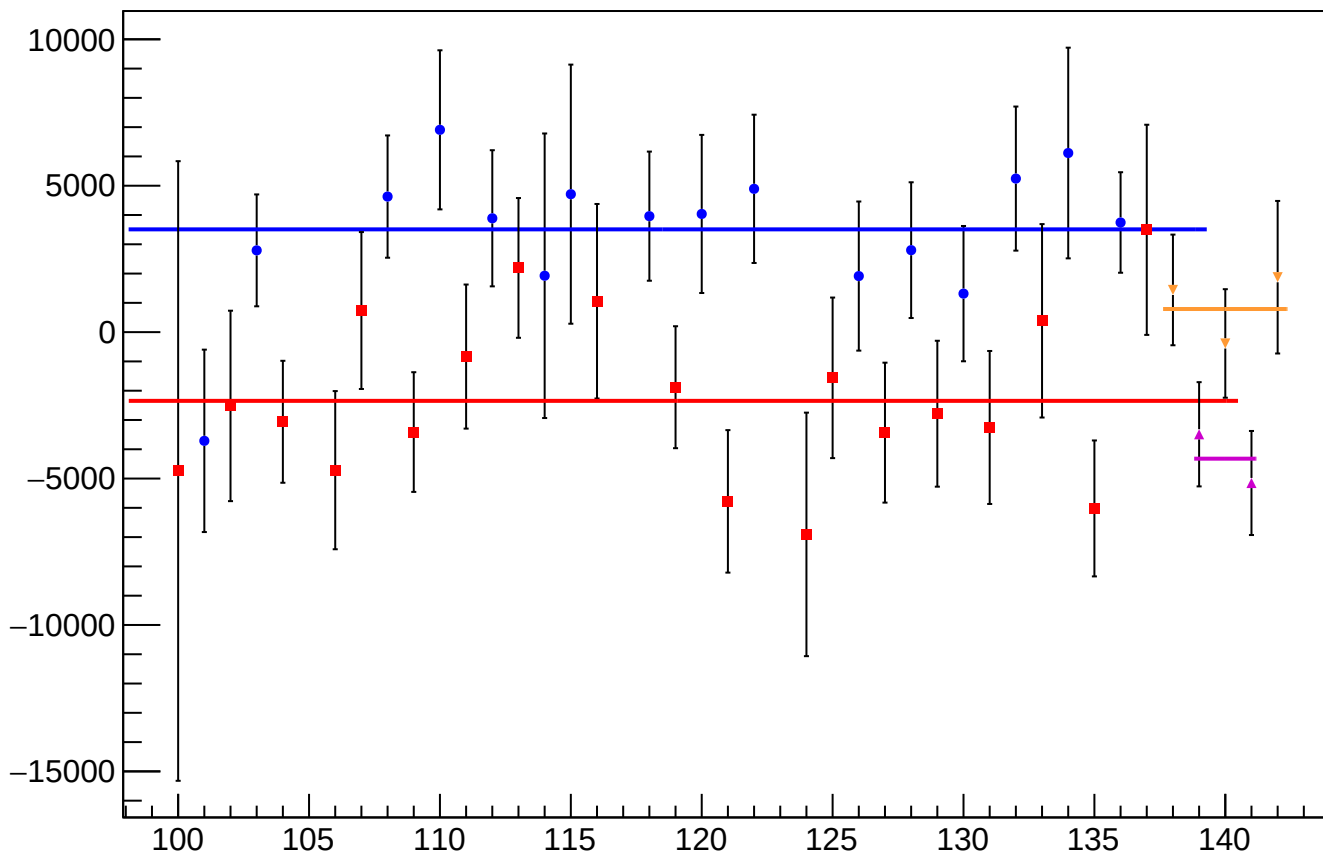
Left In: 5151.014 $\pm$ 2.788 χ^2/NDF :27852.6/1

+ sign 4991.440 $\pm$ 1.181 χ^2/NDF : 571590.4/18

All: 4847.917 $\pm$ 0.816 χ^2/NDF : 1520362.2/39

- sign 4716.389 $\pm$ 1.130 χ^2/NDF : 920452.4/20

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509 $\pm$ 616.724 χ^2 /NDF: 10.4/15

Left Out: 789.759 $\pm$ 1179.605 χ^2 /NDF: 0.7/2

Right Out: -2346.865 $\pm$ 607.502 χ^2 /NDF: 17.1/18

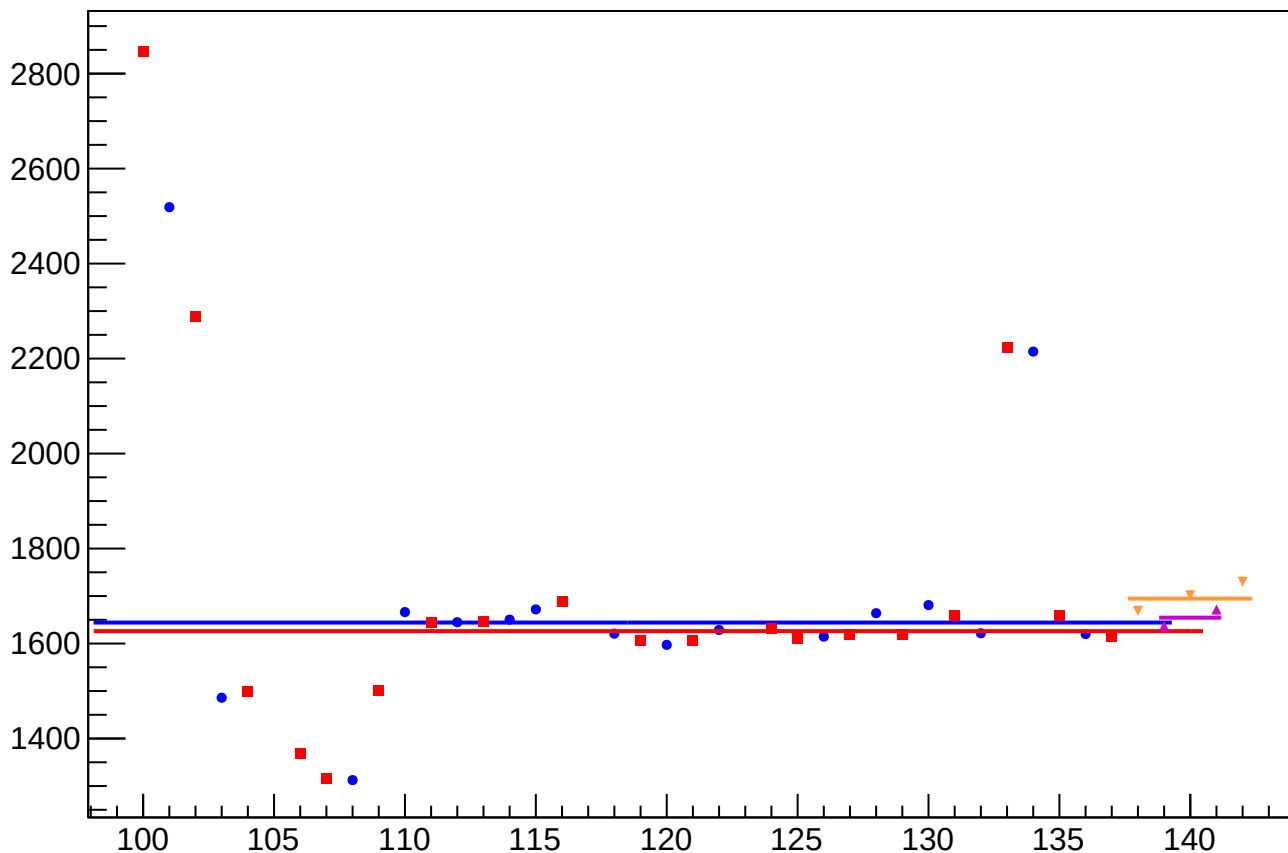
Left In: -4321.190 $\pm$ 1257.451 χ^2 /NDF: 0.4/1

+ sign 2925.672 $\pm$ 546.535 χ^2 /NDF: 15.3/18

All: 105.042 $\pm$ 386.626 χ^2 /NDF: 88.1/39

- sign -2720.481 $\pm$ 547.009 χ^2 /NDF: 19.5/20

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF : 274818.1/15

Left Out: 1694.623+/-0.834 χ^2/NDF : 770.7/2

Right Out: 1626.174+/-0.429 χ^2/NDF : 237638.8/18

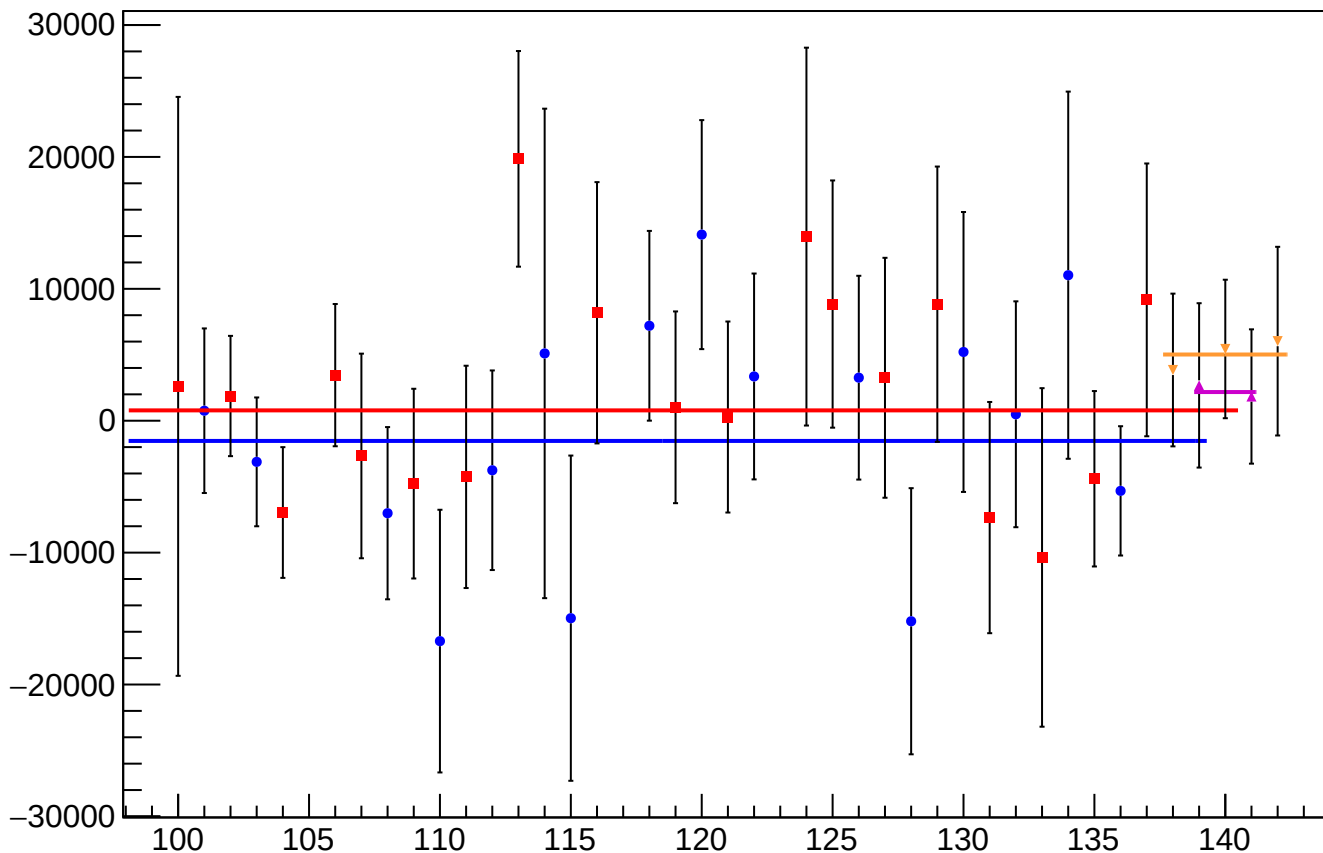
Left In: 1654.482+/-0.889 χ^2/NDF : 374.9/1

+ sign 1655.022+/-0.386 χ^2/NDF : 278459.0/18

All: 1643.275+/-0.273 χ^2/NDF : 519143.1/39

- sign 1631.523+/-0.387 χ^2/NDF : 238835.7/20

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -1532.095+/-1913.796 χ^2/NDF : 13.9/15

Left Out: 5020.116+/-3416.705 χ^2/NDF : 0.1/2

Right Out: 784.236+/-1748.563 χ^2/NDF : 15.0/18

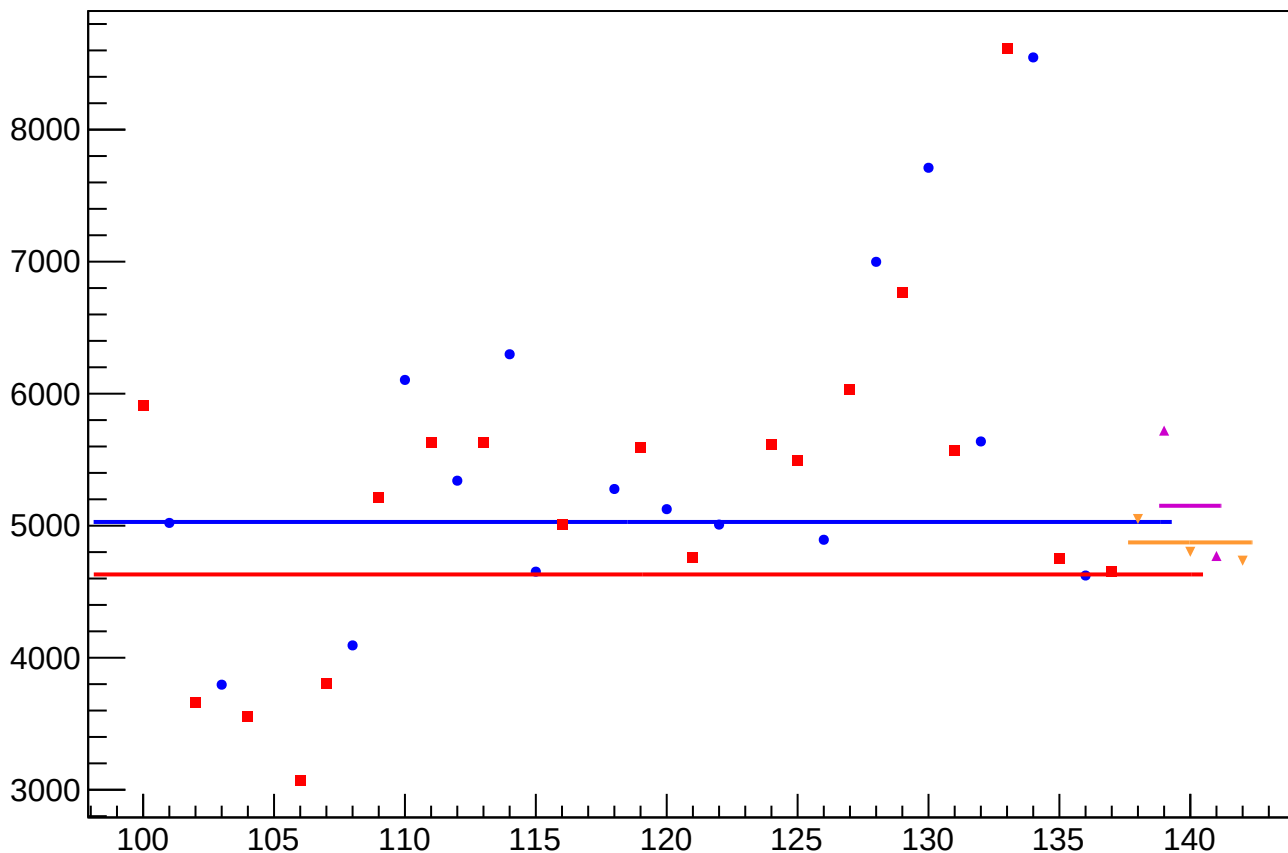
Left In: 2174.203+/-3942.652 χ^2/NDF : 0.0/1

+ sign 32.685+/-1669.707 χ^2/NDF : 16.7/18

All: 544.057+/-1154.632 χ^2/NDF : 32.1/39

- sign 1012.695+/-1598.417 χ^2/NDF : 15.2/20

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443+/-1.353 χ^2/NDF : 565463.1/15

Left Out: 4873.485+/-2.416 χ^2/NDF : 2989.4/2

Right Out: 4630.895+/-1.236 χ^2/NDF : 863509.0/18

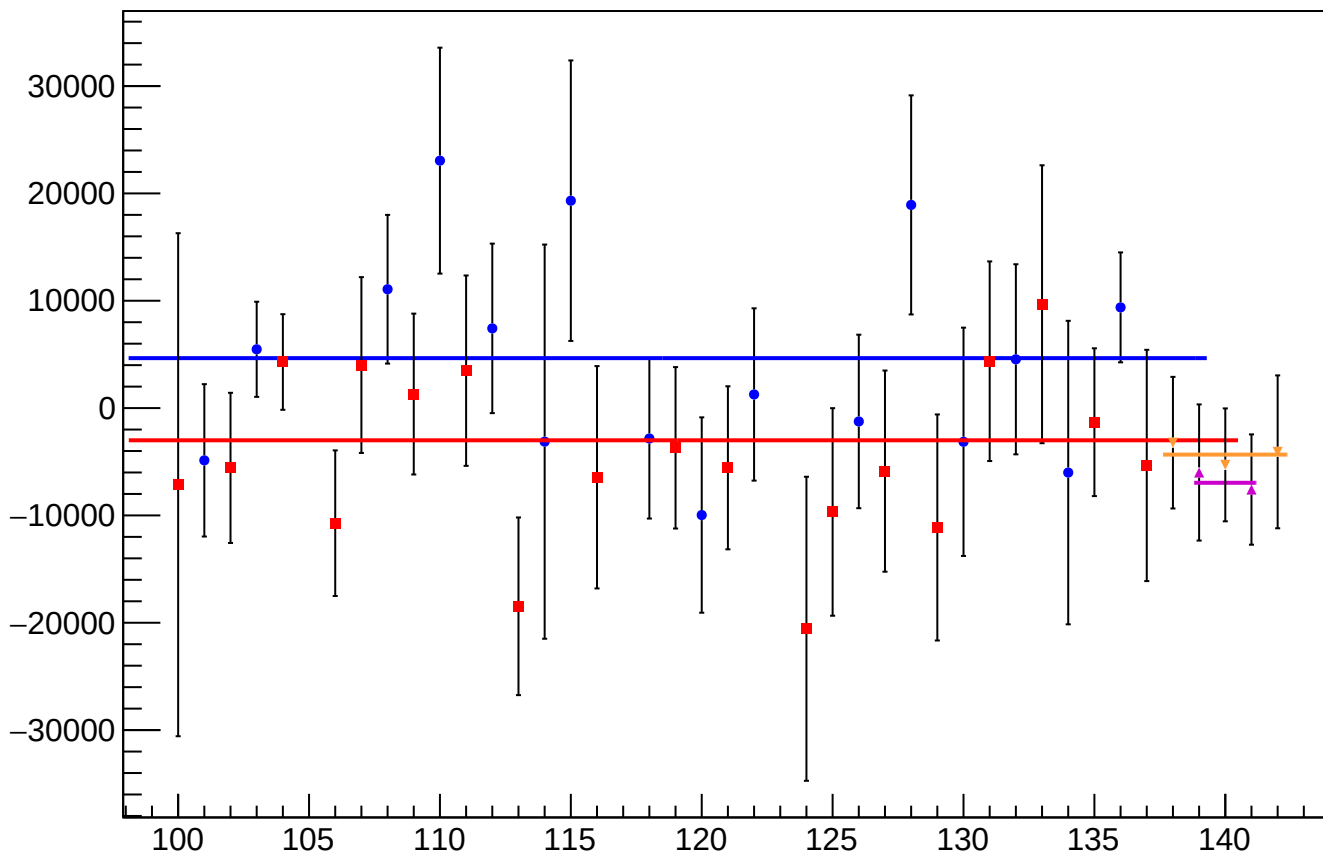
Left In: 5151.019+/-2.788 χ^2/NDF : 27853.4/1

+ sign 4991.436+/-1.181 χ^2/NDF : 571583.9/18

All: 4847.913+/-0.816 χ^2/NDF : 1520352.0/39

- sign 4716.384+/-1.130 χ^2/NDF : 920448.5/20

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137 $\pm$ 1958.496 χ^2 /NDF: 15.5/15

Left Out: -4333.593 $\pm$ 3482.593 χ^2 /NDF: 0.1/2

Right Out: -3000.980 $\pm$ 1882.821 χ^2 /NDF: 13.9/18

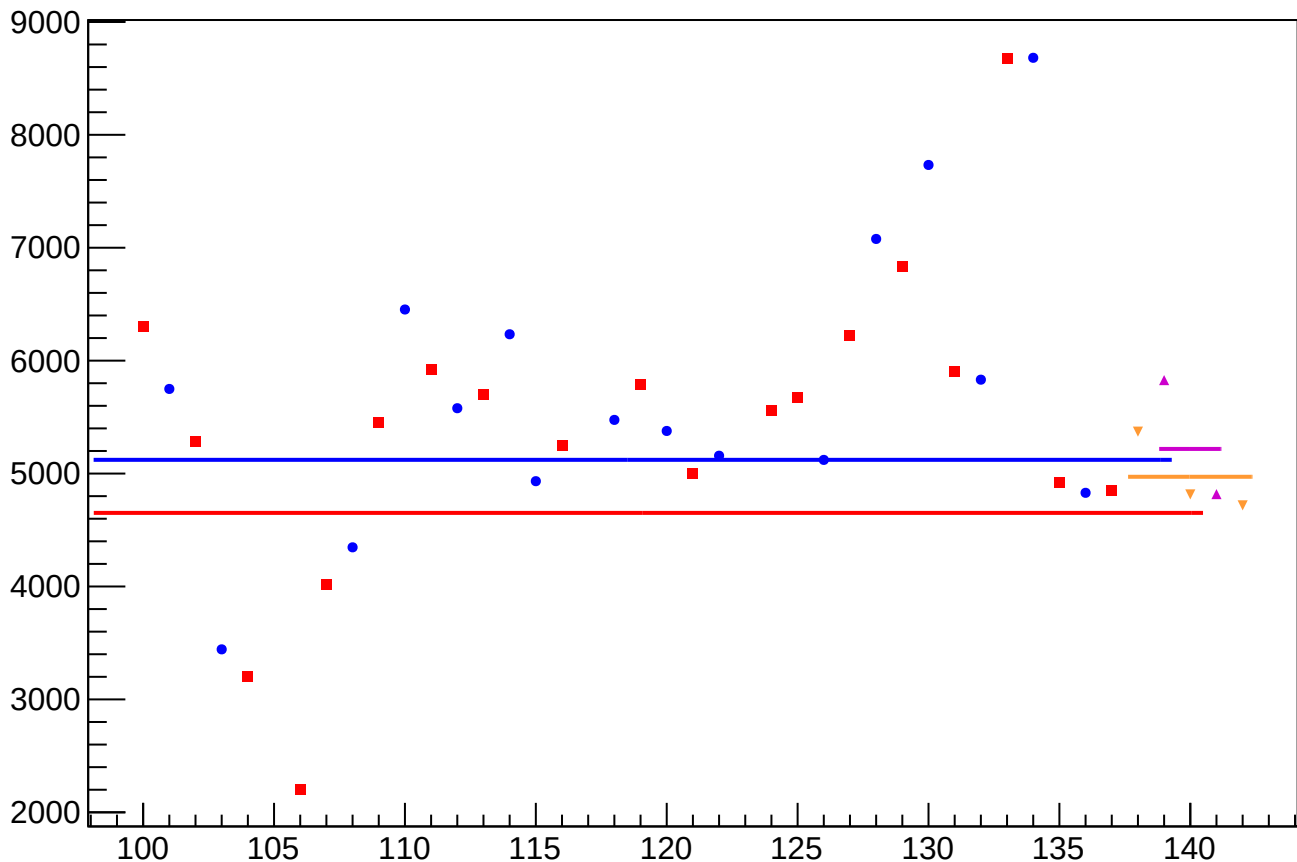
Left In: -6960.212 $\pm$ 3992.757 χ^2 /NDF: 0.0/1

+ sign 2493.896 $\pm$ 1707.074 χ^2 /NDF: 20.7/18

All: -621.137 $\pm$ 1205.631 χ^2 /NDF: 42.0/39

- sign -3721.227 $\pm$ 1702.974 χ^2 /NDF: 14.7/20

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF : 720370.1/15

Left Out: 4971.583+/-2.463 χ^2/NDF :12781.6/2

Right Out: 4651.727+/-1.280 χ^2/NDF : 1344868.0/18

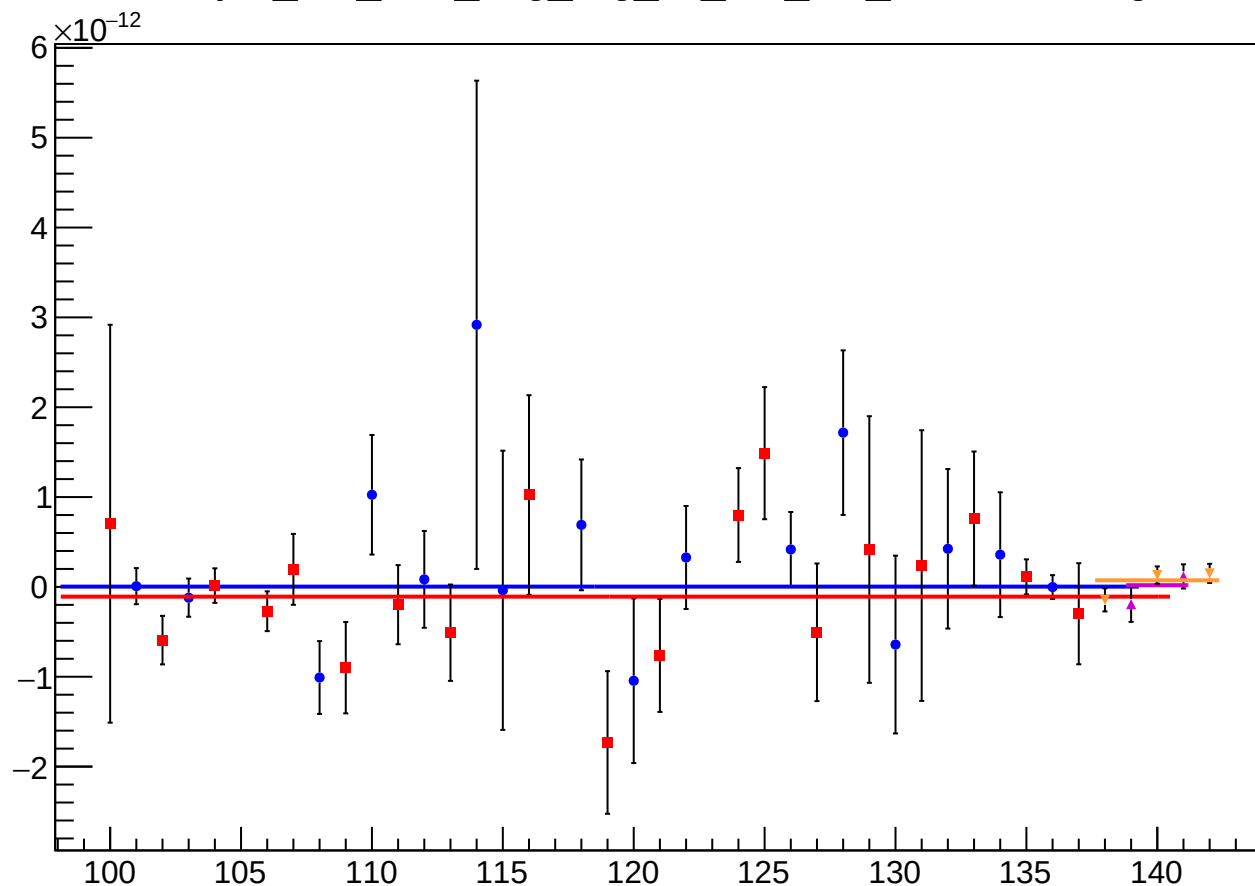
Left In: 5218.189+/-2.823 χ^2/NDF :30588.9/1

+ sign 5085.589+/-1.207 χ^2/NDF : 735972.7/18

All: 4911.141+/-0.839 χ^2/NDF : 2185194.5/39

- sign 4748.352+/-1.166 χ^2/NDF : 1408845.7/20

asym_usr_atr2_avg_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:3.8/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/18

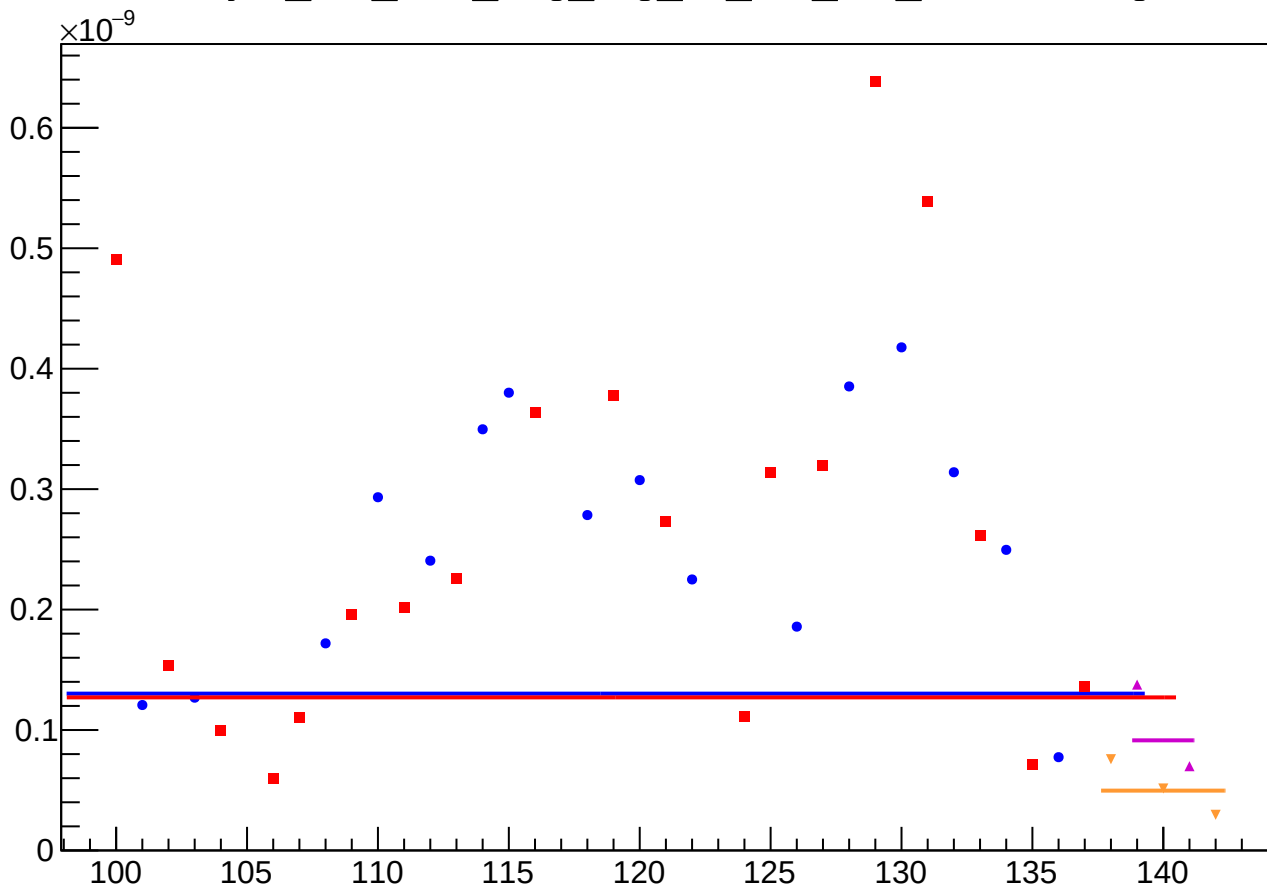
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.7/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 51.4/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.6/20

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 :154491.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1734331.2/18

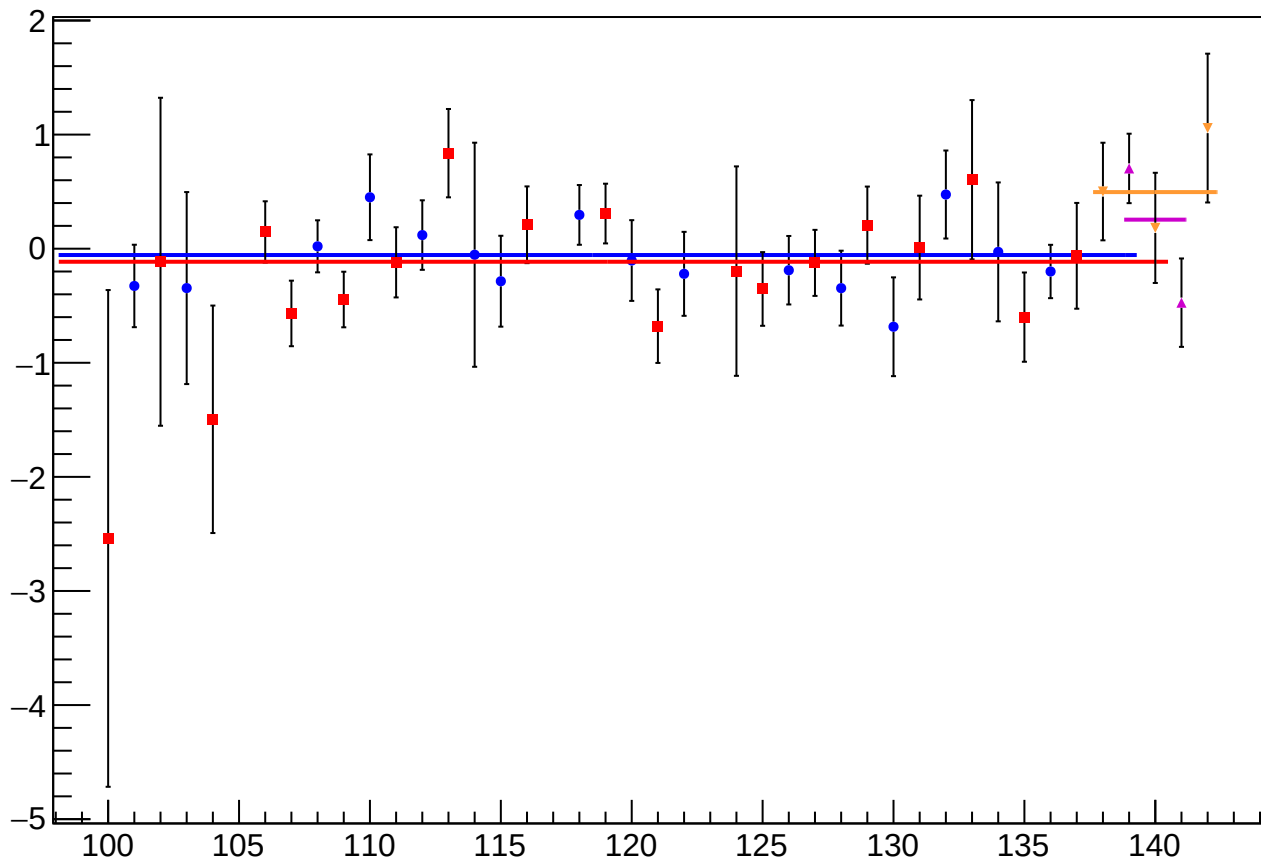
Left In: 0.000+/-0.000 χ^2/NDF :160917.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2625741.1/18

All: 0.000+/-0.000 χ^2/NDF : 4993038.0/39

- sign 0.000+/-0.000 χ^2/NDF : 2020108.9/20

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055 ± 0.085 $\chi^2/\text{NDF}: 10.7/15$

Left Out: 0.496 ± 0.287 $\chi^2/\text{NDF}: 1.2/2$

Right Out: -0.114 ± 0.083 $\chi^2/\text{NDF}: 25.2/18$

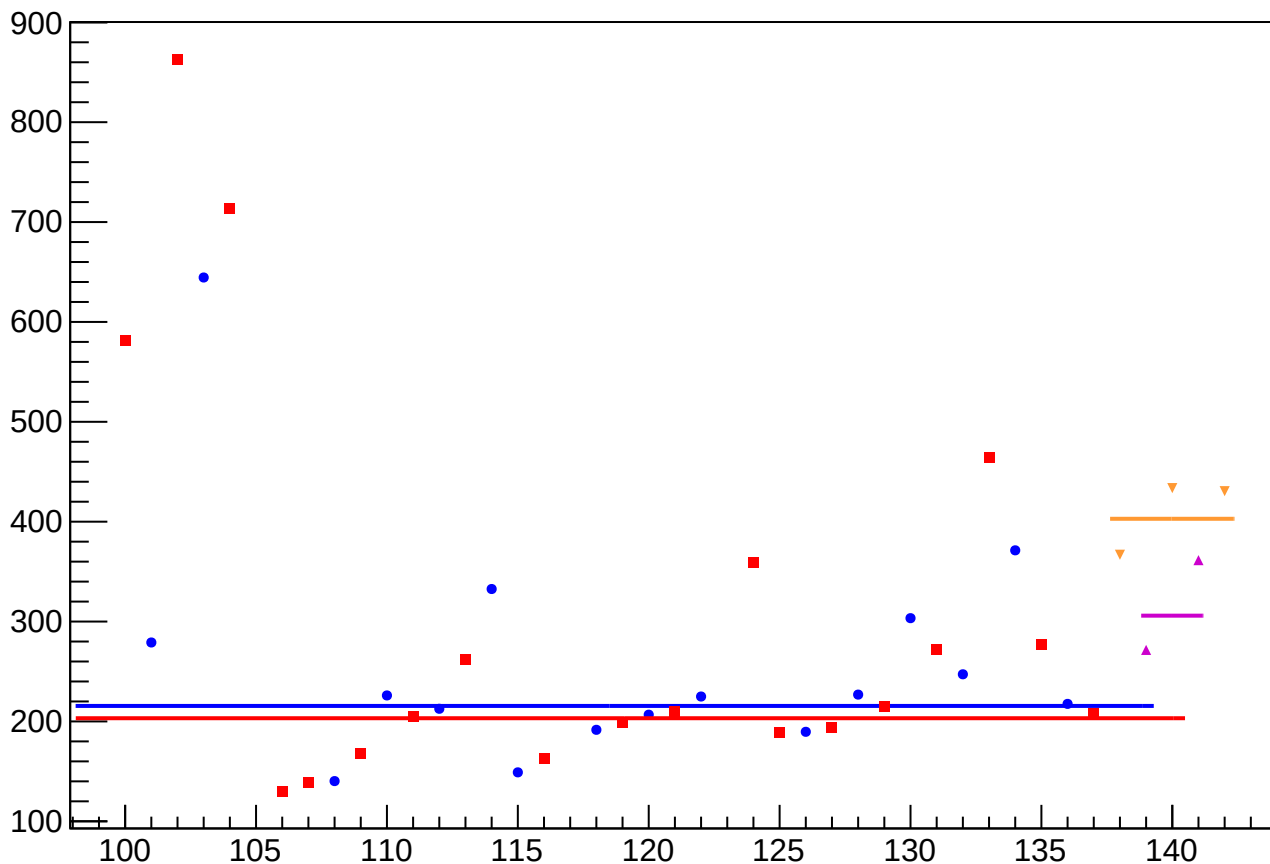
Left In: 0.255 ± 0.239 $\chi^2/\text{NDF}: 5.7/1$

+ sign -0.011 ± 0.082 $\chi^2/\text{NDF}: 15.2/18$

All: -0.044 ± 0.057 $\chi^2/\text{NDF}: 48.6/39$

- sign -0.075 ± 0.079 $\chi^2/\text{NDF}: 33.1/20$

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: 402.899 $\pm$ 0.203 χ^2 /NDF: 25857.7/2

Right Out: 203.207 $\pm$ 0.059 χ^2 /NDF: 183552.6/18

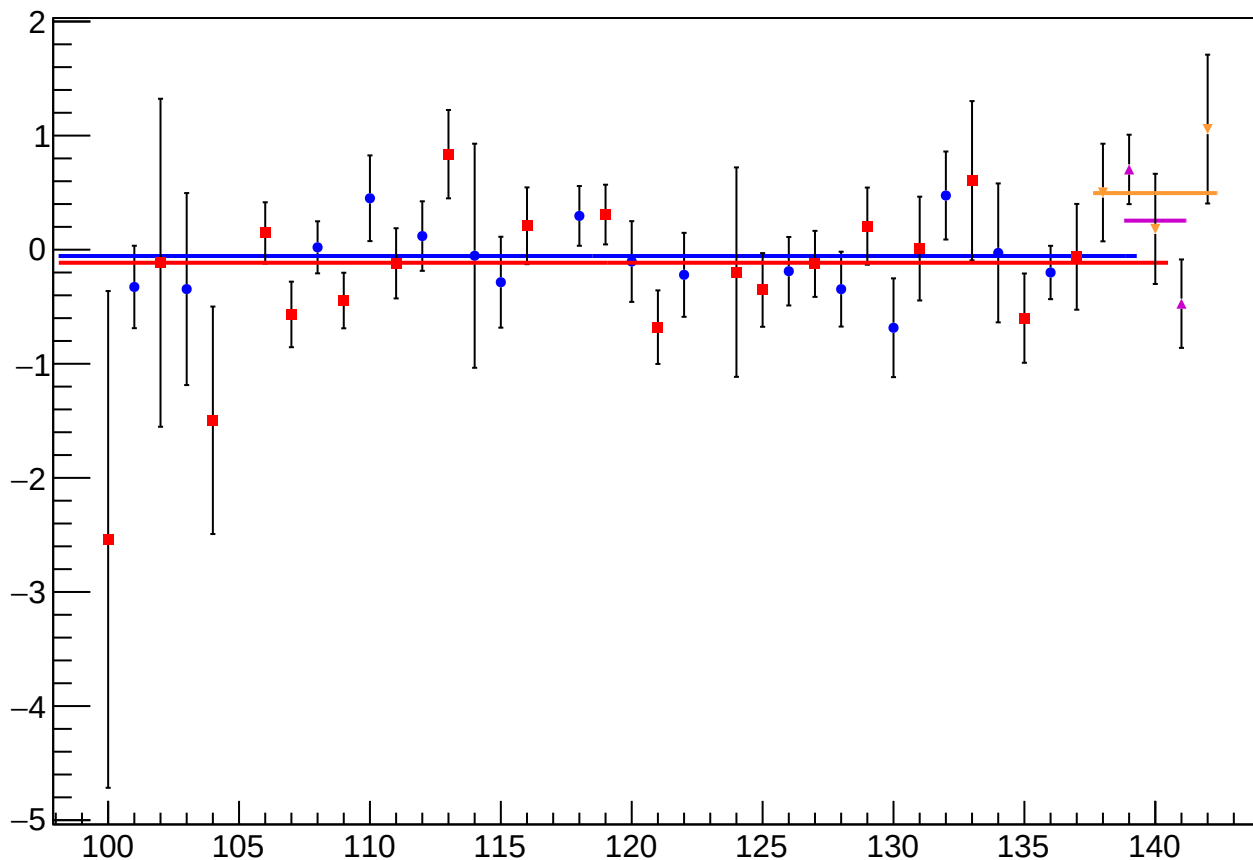
Left In: 305.902 $\pm$ 0.169 χ^2 /NDF: 66549.7/1

+ sign 230.745 $\pm$ 0.058 χ^2 /NDF: 1955696.1/18

All: 222.174 $\pm$ 0.040 χ^2 /NDF: 4228382.1/39

- sign 214.284 $\pm$ 0.056 χ^2 /NDF: 2230641.5/20

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.055 $\pm$ 0.085 χ^2 /NDF: 10.7/15

Left Out: 0.496 $\pm$ 0.287 χ^2 /NDF:1.2/2

Right Out: -0.114 $\pm$ 0.083 χ^2 /NDF: 25.2/18

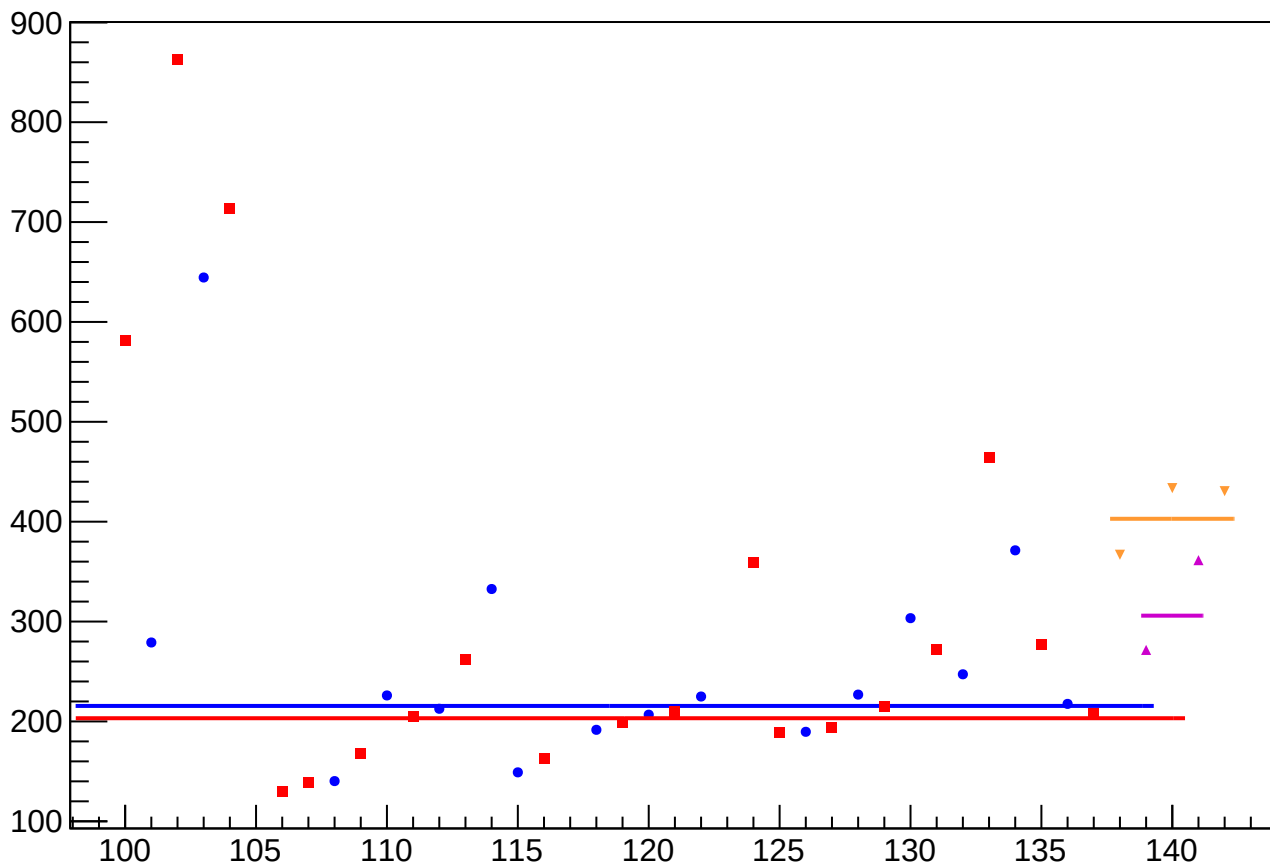
Left In: 0.255 $\pm$ 0.239 χ^2 /NDF:5.7/1

+ sign -0.011 $\pm$ 0.082 χ^2 /NDF: 15.2/18

All: -0.044 $\pm$ 0.057 χ^2 /NDF: 48.6/39

- sign -0.075 $\pm$ 0.079 χ^2 /NDF: 33.1/20

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: 402.899 $\pm$ 0.203 χ^2 /NDF: 25857.7/2

Right Out: 203.207 $\pm$ 0.059 χ^2 /NDF: 183552.6/18

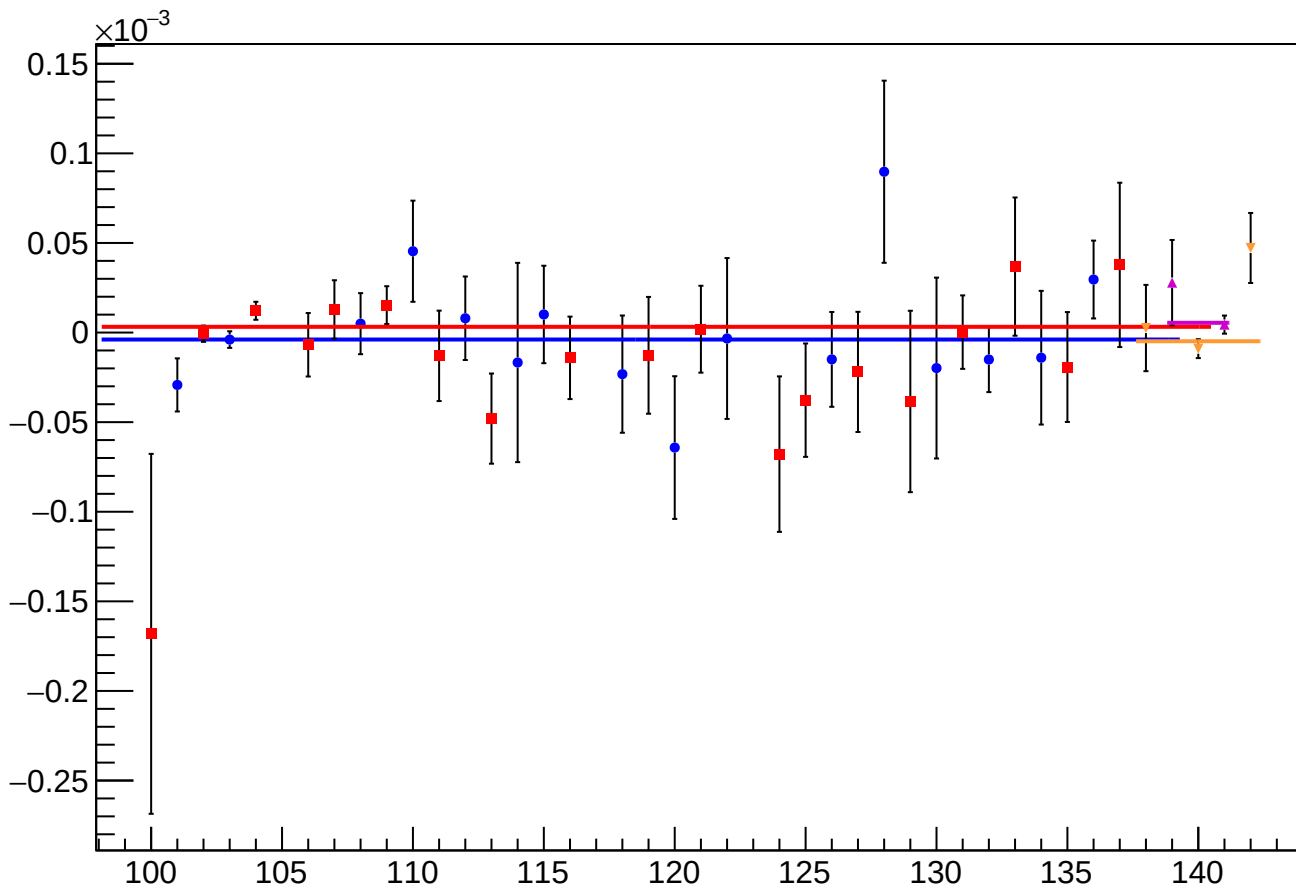
Left In: 305.902 $\pm$ 0.169 χ^2 /NDF: 66549.7/1

+ sign 230.745 $\pm$ 0.058 χ^2 /NDF: 1955696.1/18

All: 222.174 $\pm$ 0.040 χ^2 /NDF: 4228382.1/39

- sign 214.284 $\pm$ 0.056 χ^2 /NDF: 2230641.5/20

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 : 7.8/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.6/18

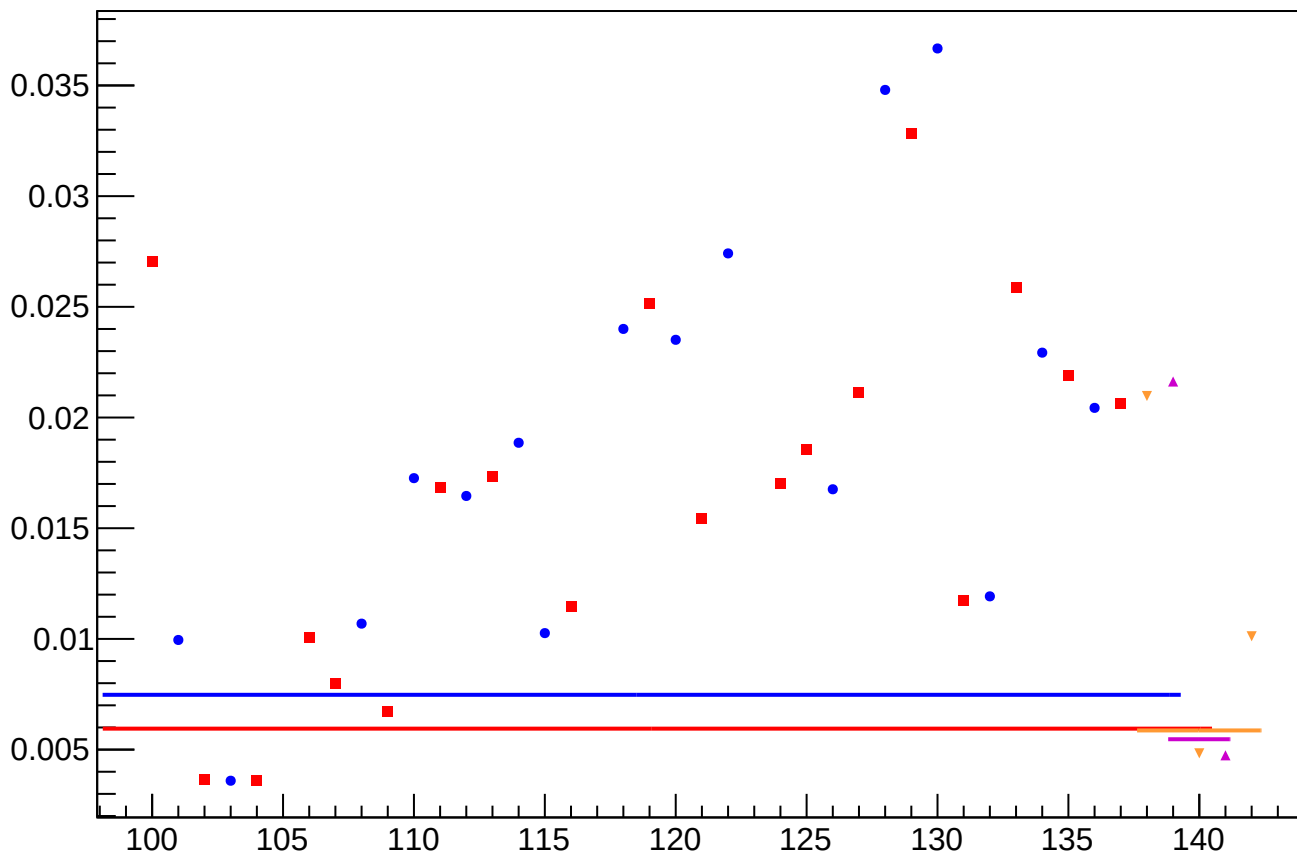
Left In: 0.000 ± 0.000 χ^2/NDF : 0.9/1

+ sign -0.000 ± 0.000 χ^2/NDF : 23.8/18

All: 0.000 ± 0.000 χ^2/NDF : 50.7/39

- sign 0.000 ± 0.000 χ^2/NDF : 22.7/20

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: 0.006+/-0.000 χ^2/NDF : 958968.2/2

Right Out: 0.006+/-0.000 χ^2/NDF : 5934015.2/18

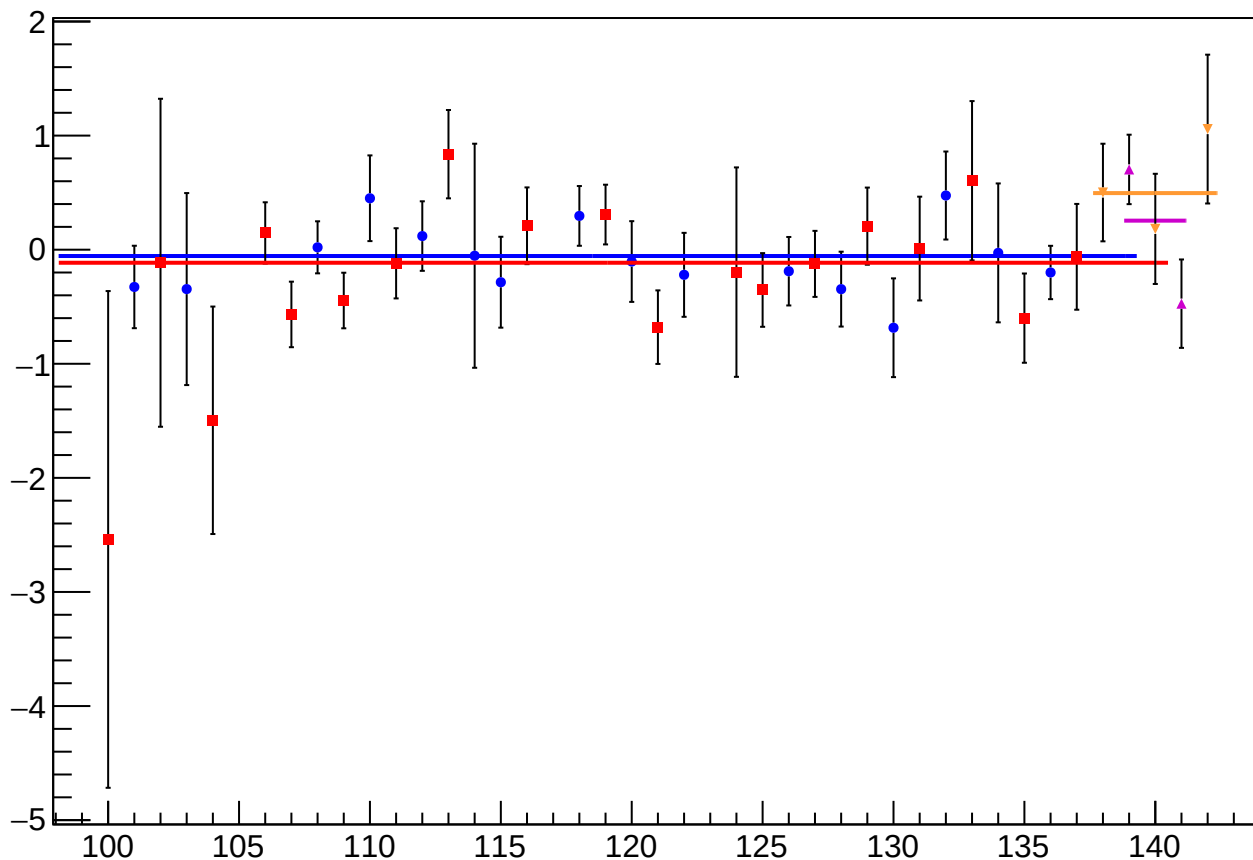
Left In: 0.005+/-0.000 χ^2/NDF : 963410.2/1

+ sign 0.007+/-0.000 χ^2/NDF : 7167460.4/18

All: 0.006+/-0.000 χ^2/NDF : 14225595.9/39

- sign 0.006+/-0.000 χ^2/NDF : 6911412.7/20

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: 0.496 ± 0.287 χ^2/NDF : 1.2/2

Right Out: -0.114 ± 0.083 χ^2/NDF : 25.2/18

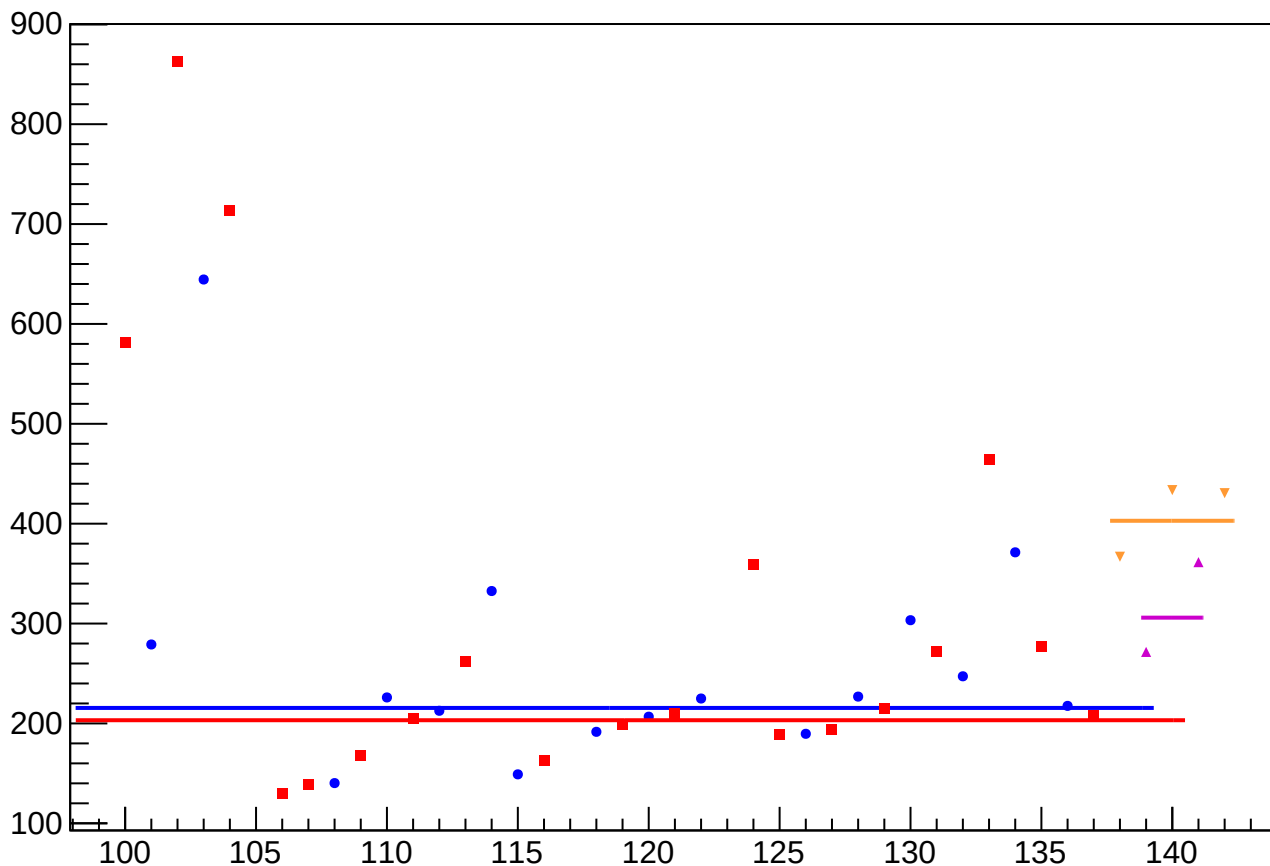
Left In: 0.255 ± 0.239 χ^2/NDF : 5.7/1

+ sign -0.011 ± 0.082 χ^2/NDF : 15.2/18

All: -0.044 ± 0.057 χ^2/NDF : 48.6/39

- sign -0.075 ± 0.079 χ^2/NDF : 33.1/20

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: 402.902 $\pm$ 0.203 χ^2 /NDF:25853.5/2

Right Out: 203.205 $\pm$ 0.059 χ^2 /NDF: 1835535.5/18

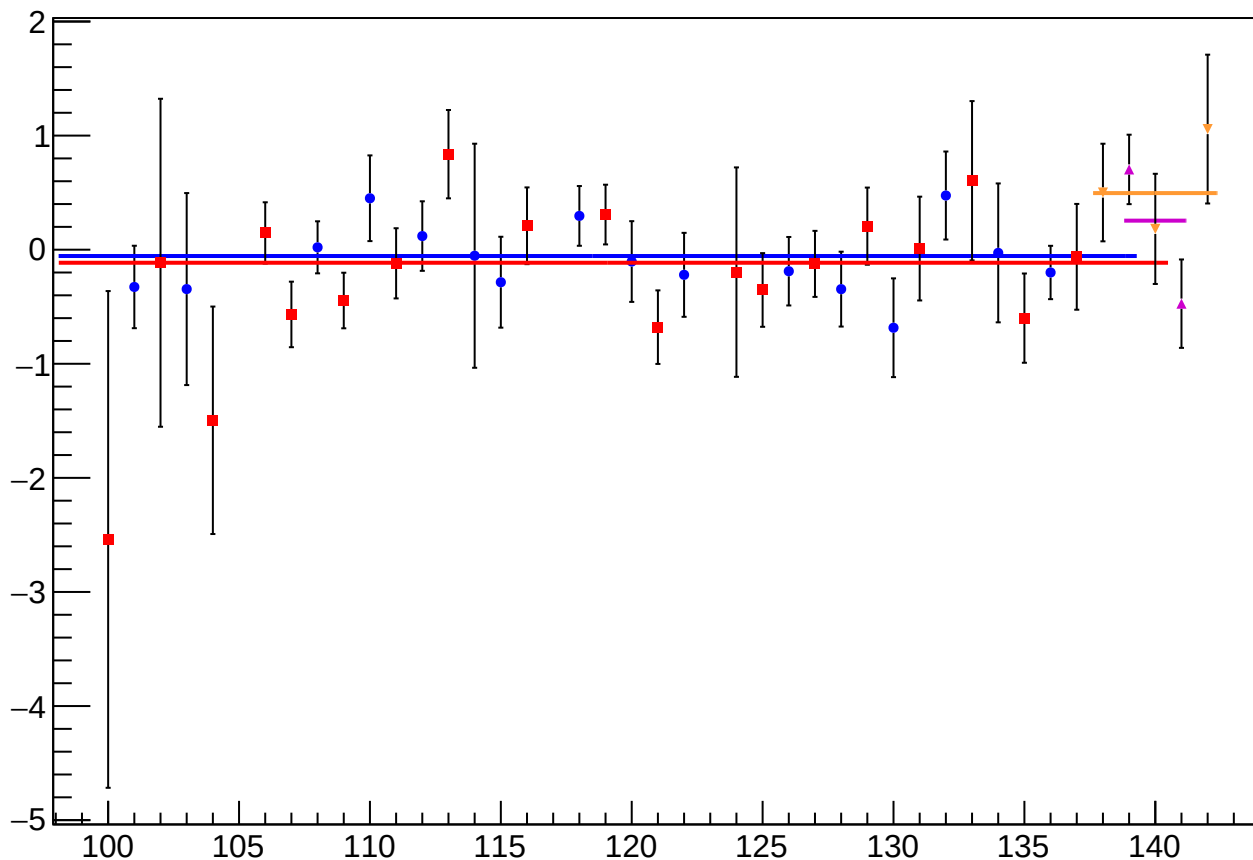
Left In: 305.906 $\pm$ 0.169 χ^2 /NDF:66540.8/1

+ sign 230.744 $\pm$ 0.058 χ^2 /NDF: 1955693.6/18

All: 222.173 $\pm$ 0.040 χ^2 /NDF: 4228381.8/39

- sign 214.283 $\pm$ 0.056 χ^2 /NDF: 2230642.9/20

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.055 ± 0.085 χ^2/NDF : 10.7/15

Left Out: 0.496 ± 0.287 χ^2/NDF : 1.2/2

Right Out: -0.114 ± 0.083 χ^2/NDF : 25.2/18

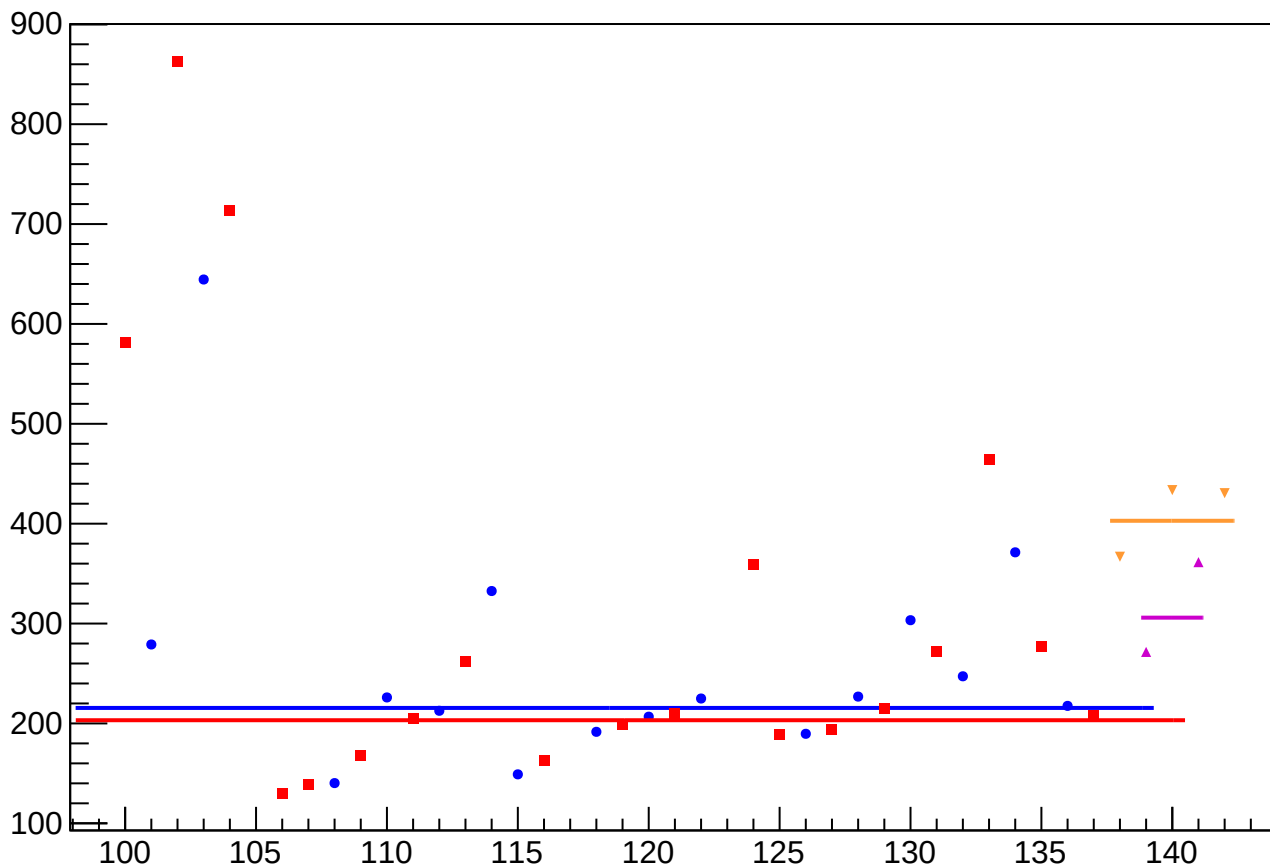
Left In: 0.255 ± 0.239 χ^2/NDF : 5.7/1

+ sign -0.011 ± 0.082 χ^2/NDF : 15.2/18

All: -0.044 ± 0.057 χ^2/NDF : 48.6/39

- sign -0.075 ± 0.079 χ^2/NDF : 33.1/20

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 215.518 $\pm$ 0.060 χ^2 /NDF: 1148700.9/15

Left Out: 402.902 $\pm$ 0.203 χ^2 /NDF: 25853.5/2

Right Out: 203.205 $\pm$ 0.059 χ^2 /NDF: 1835535.5/18

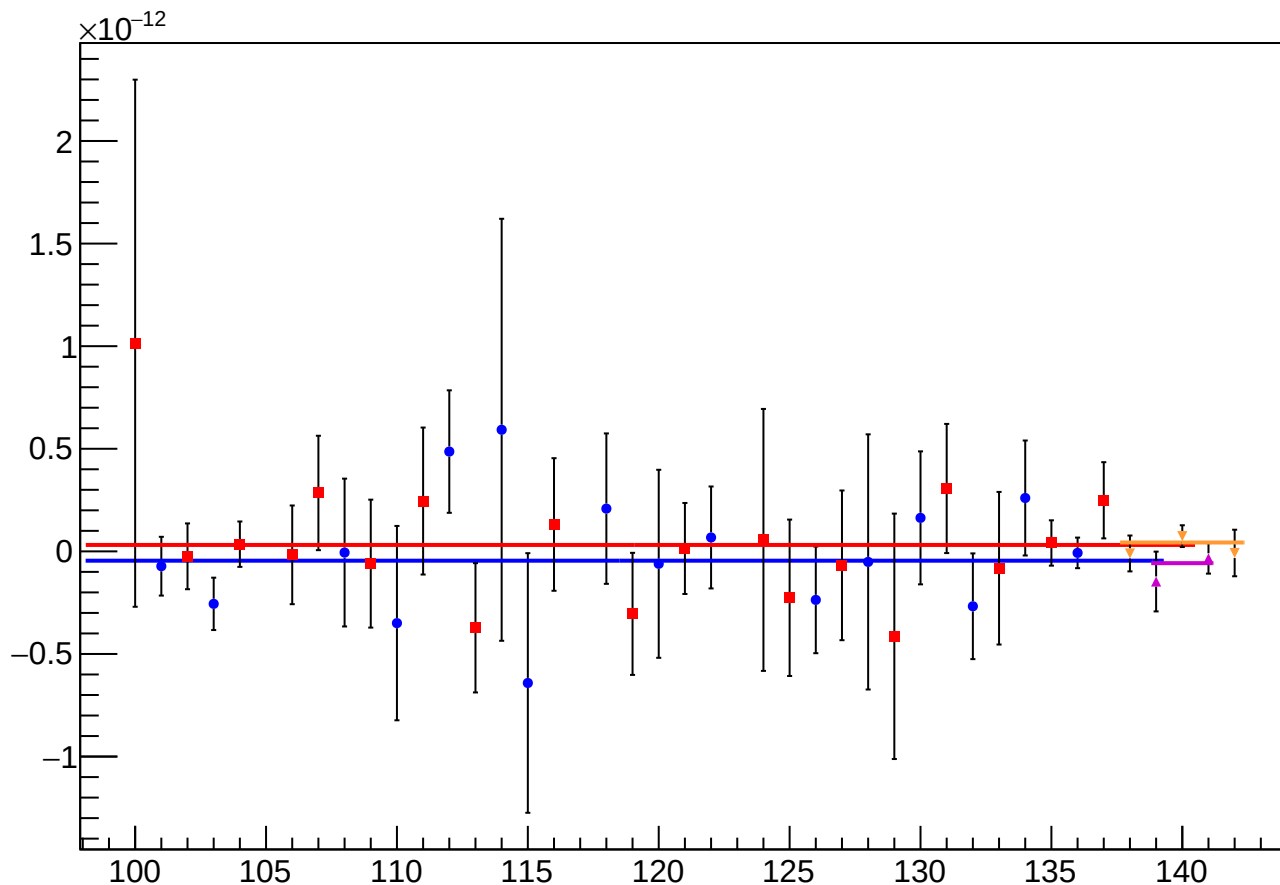
Left In: 305.906 $\pm$ 0.169 χ^2 /NDF: 66540.8/1

+ sign 230.744 $\pm$ 0.058 χ^2 /NDF: 1955693.6/18

All: 222.173 $\pm$ 0.040 χ^2 /NDF: 4228381.8/39

- sign 214.283 $\pm$ 0.056 χ^2 /NDF: 2230642.9/20

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8.4/18

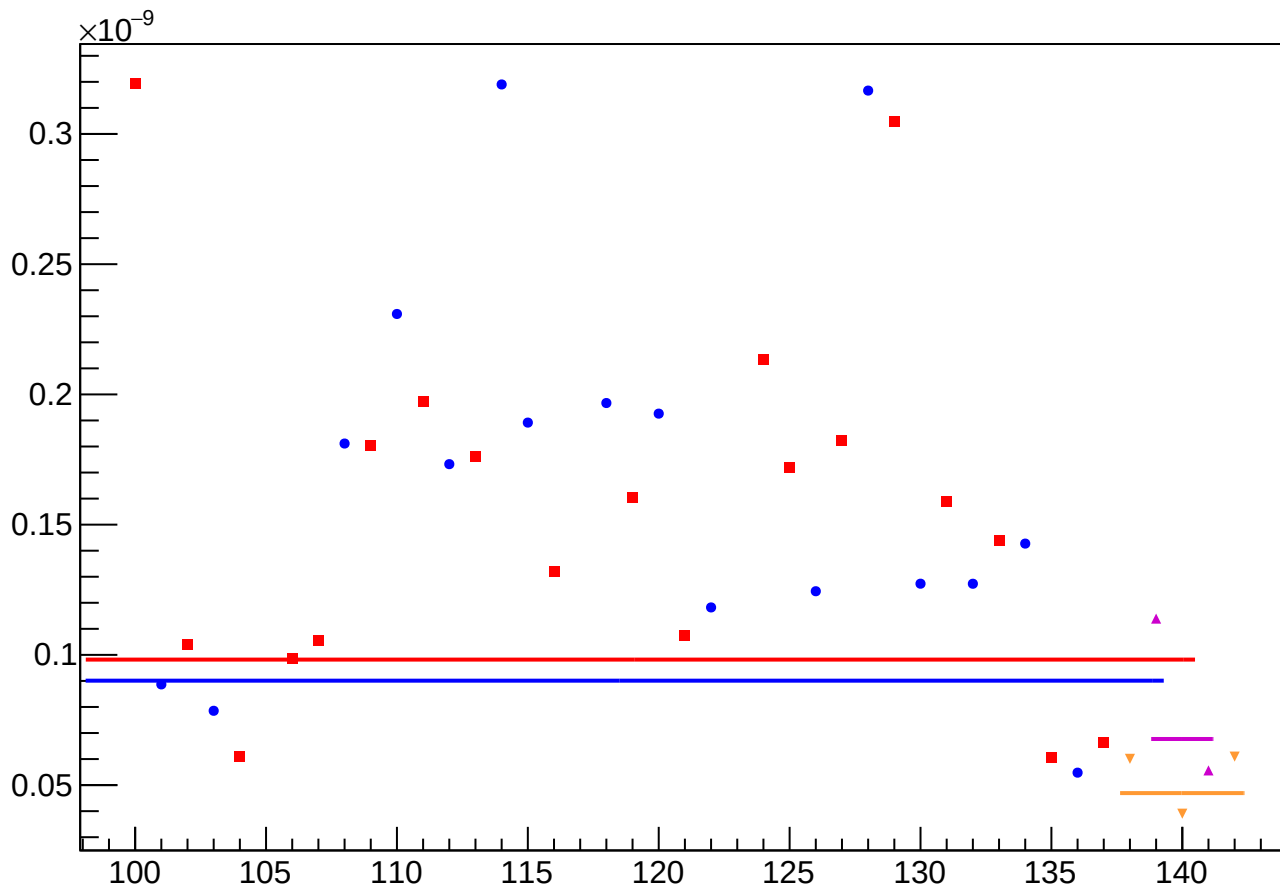
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.5/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.2/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 9.9/20

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 120203.6/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1694726.3/18

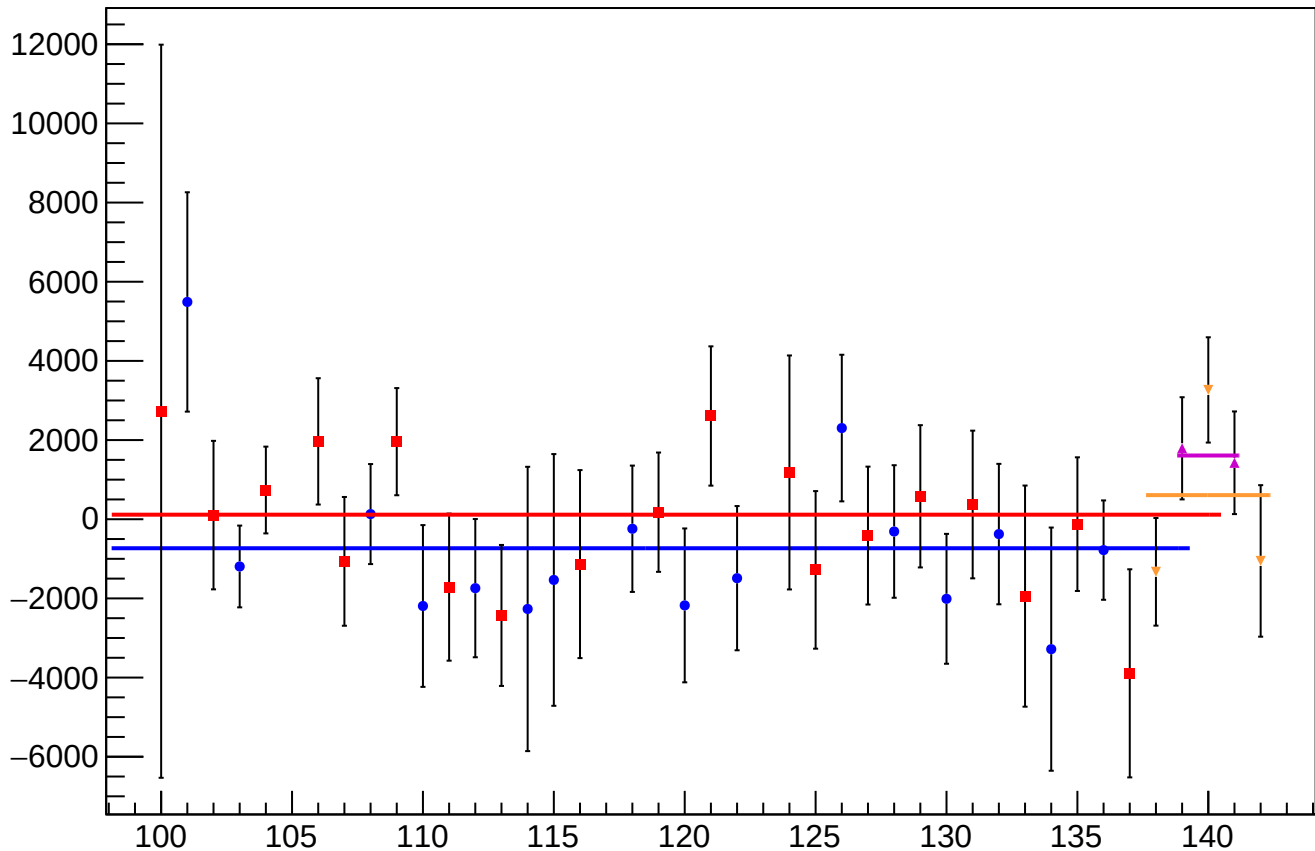
Left In: 0.000+/-0.000 χ^2/NDF : 253890.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 2800622.1/18

All: 0.000+/-0.000 χ^2/NDF : 5357532.1/39

- sign 0.000+/-0.000 χ^2/NDF : 2210179.6/20

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF : 11.7/15

Left Out: 609.153+/-851.460 χ^2/NDF : 6.8/2

Right Out: 115.040+/-411.437 χ^2/NDF : 13.1/18

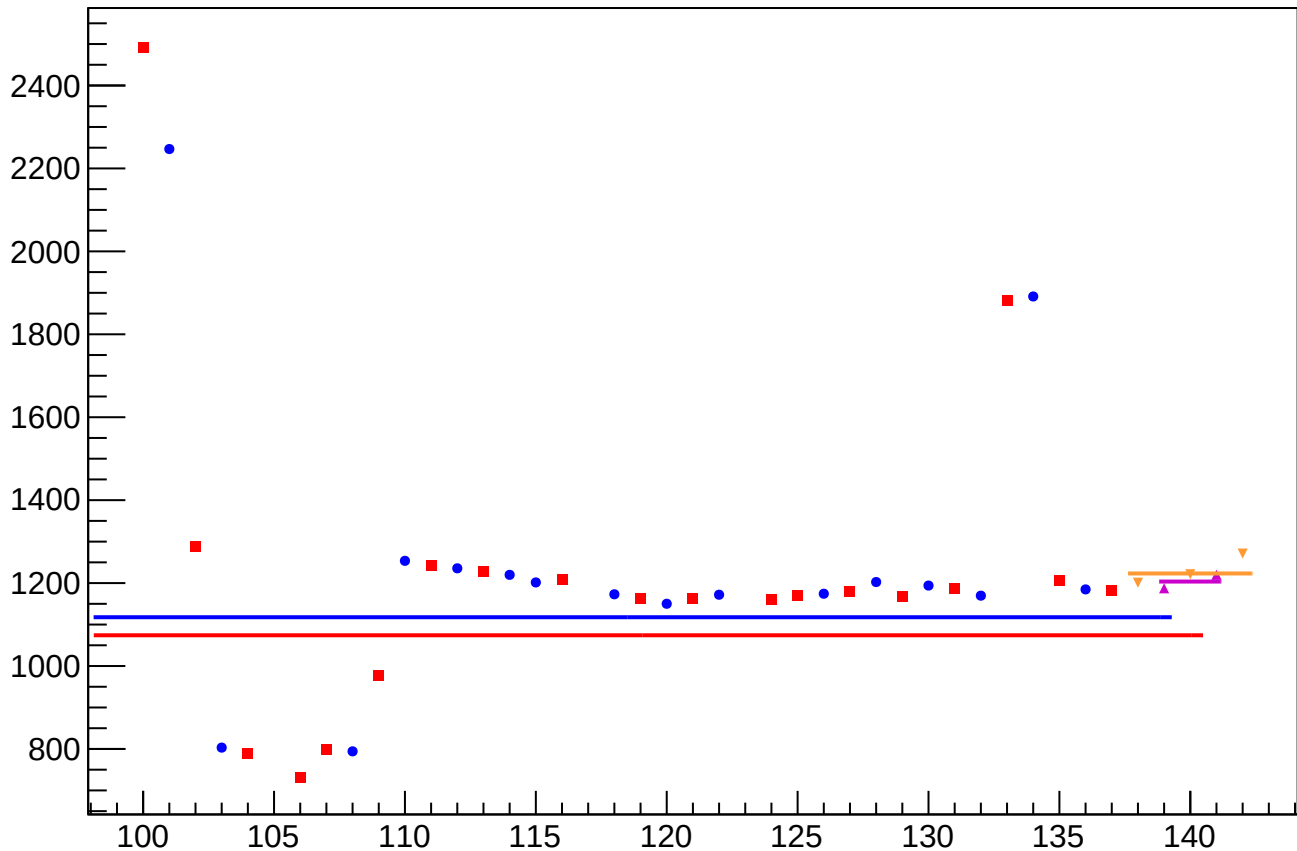
Left In: 1610.015+/-914.807 χ^2/NDF : 0.0/1

+ sign -462.698+/-381.967 χ^2/NDF : 20.5/18

All: -40.693+/-267.679 χ^2/NDF : 38.2/39

- sign 366.563+/-375.233 χ^2/NDF : 15.4/20

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684 $\pm$ 0.302 χ^2 /NDF: 819835.1/15

Left Out: 1223.190 $\pm$ 0.602 χ^2 /NDF: 1797.3/2

Right Out: 1074.148 $\pm$ 0.289 χ^2 /NDF: 649508.4/18

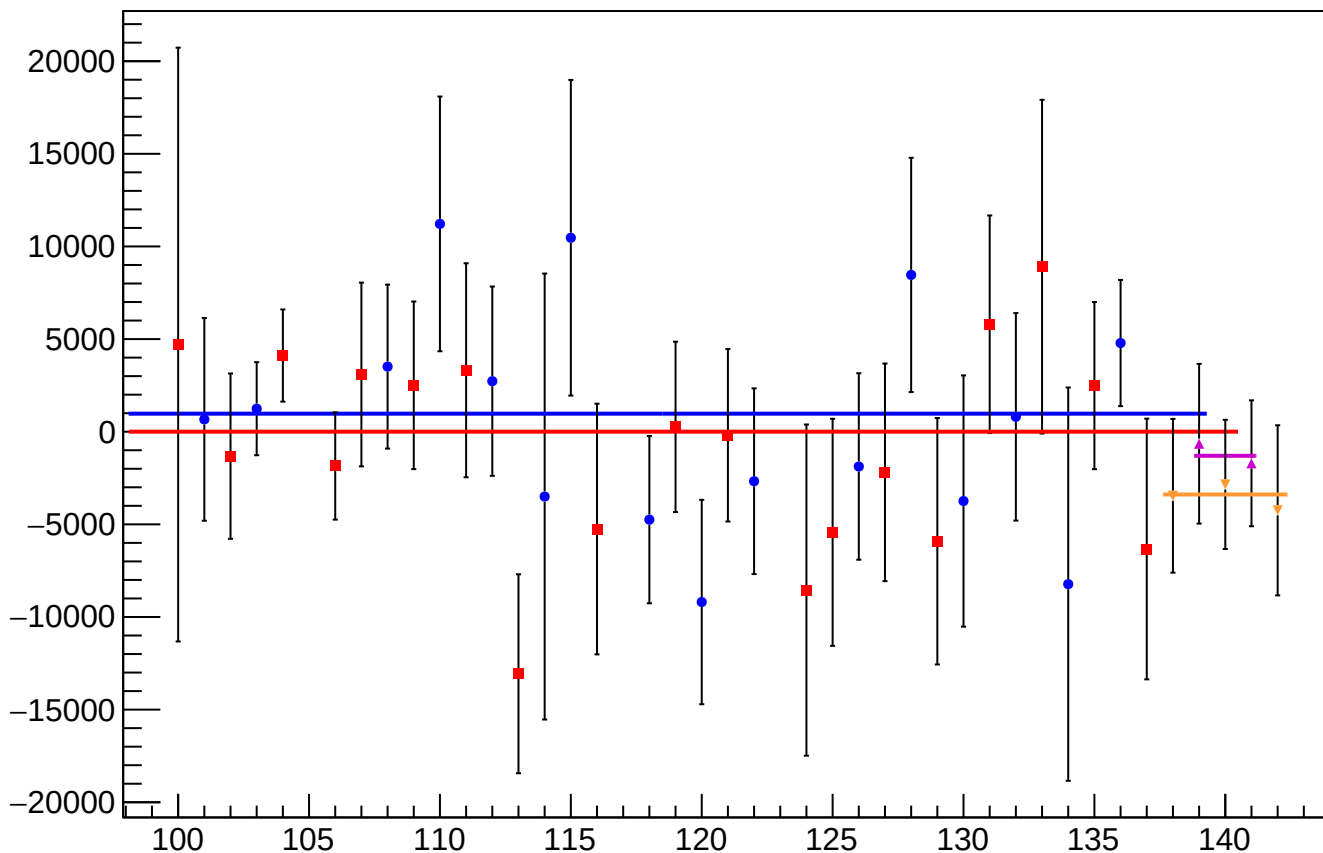
Left In: 1203.699 $\pm$ 0.647 χ^2 /NDF: 638.3/1

+ sign 1138.916 $\pm$ 0.270 χ^2 /NDF: 846161.0/18

All: 1116.746 $\pm$ 0.189 χ^2 /NDF: 1542913.0/39

- sign 1095.645 $\pm$ 0.263 χ^2 /NDF: 683601.2/20

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 973.755 $\pm$ 1232.754 χ^2 /NDF: 13.8/15

Left Out: -3386.836 $\pm$ 2307.676 χ^2 /NDF:0.1/2

Right Out: 2.885 $\pm$ 1113.897 χ^2 /NDF: 16.6/18

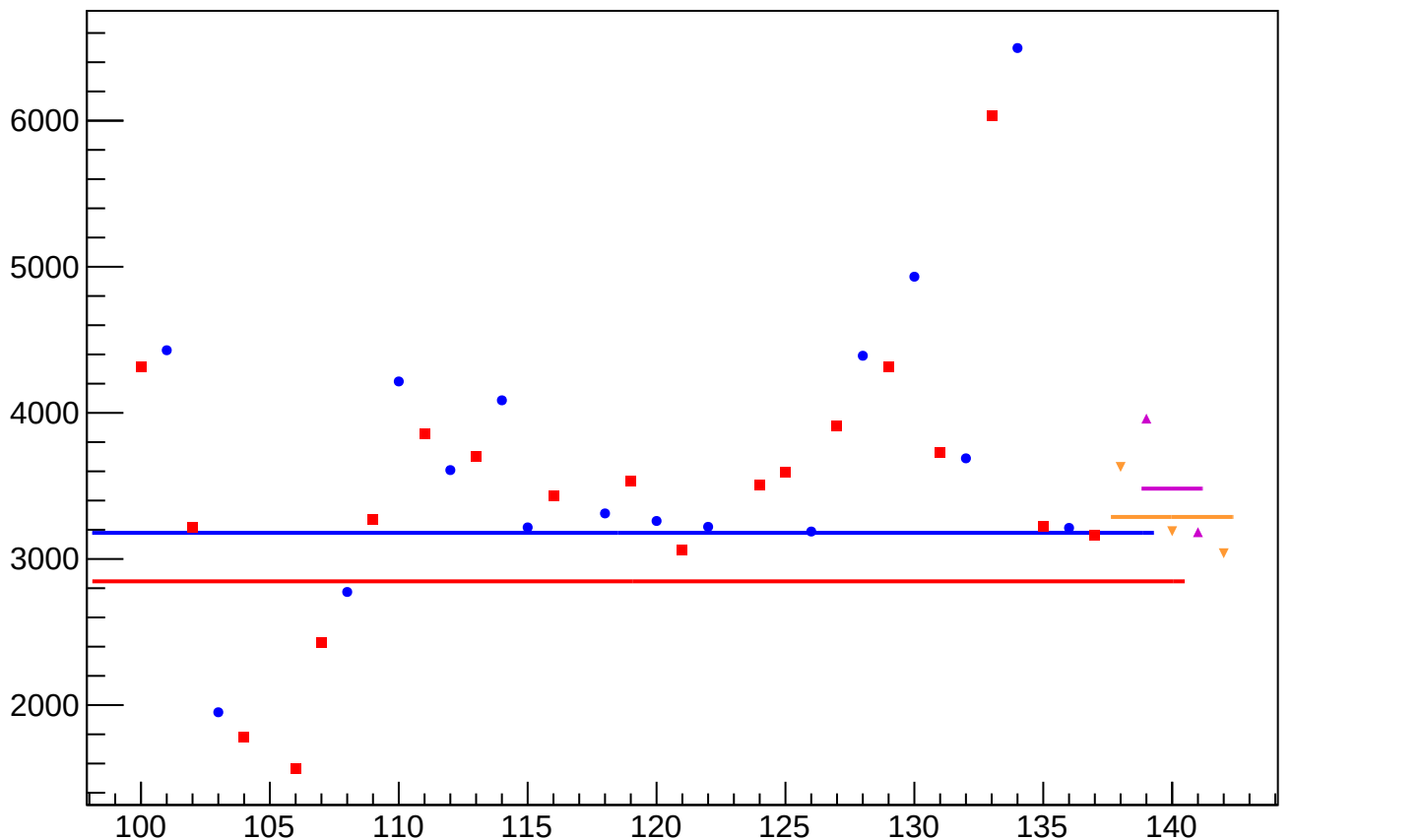
Left In: -1299.509 $\pm$ 2668.627 χ^2 /NDF:0.0/1

+ sign 5.653 $\pm$ 1087.334 χ^2 /NDF: 16.6/18

All: -97.852 $\pm$ 746.979 χ^2 /NDF: 33.5/39

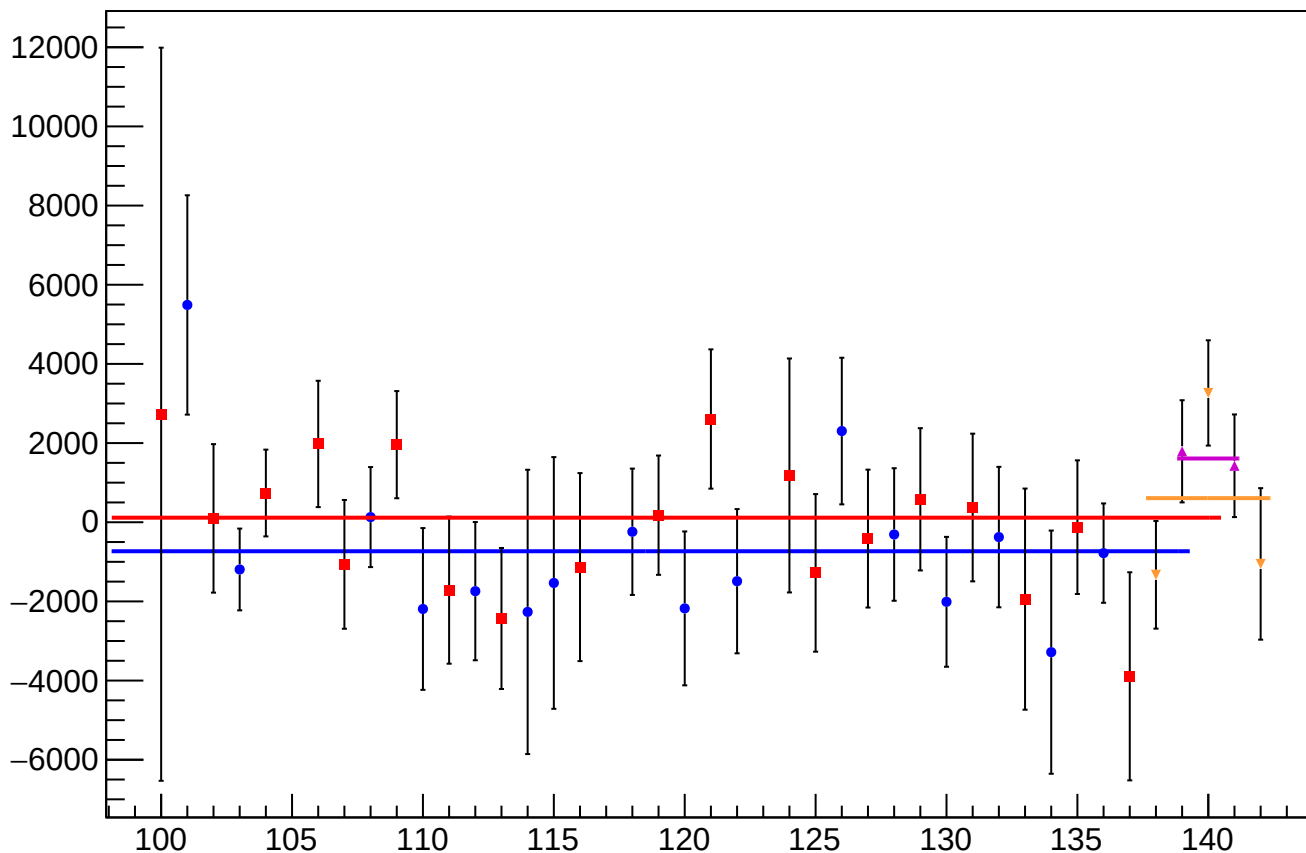
- sign -190.358 $\pm$ 1027.943 χ^2 /NDF: 16.8/20

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF : 1091676.8/15
 Left Out: 3287.747+/-1.632 χ^2/NDF : 21026.9/2
 Right Out: 2847.016+/-0.788 χ^2/NDF : 1511160.9/18
 Left In: 3481.561+/-1.887 χ^2/NDF : 40121.5/1
 + sign 3203.042+/-0.769 χ^2/NDF : 1116167.4/18
 All: 3064.758+/-0.528 χ^2/NDF : 2825009.1/39
 - sign 2941.167+/-0.727 χ^2/NDF : 1647582.4/20

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF : 11.7/15

Left Out: 609.279+/-851.460 χ^2/NDF : 6.8/2

Right Out: 115.308+/-411.441 χ^2/NDF : 13.1/18

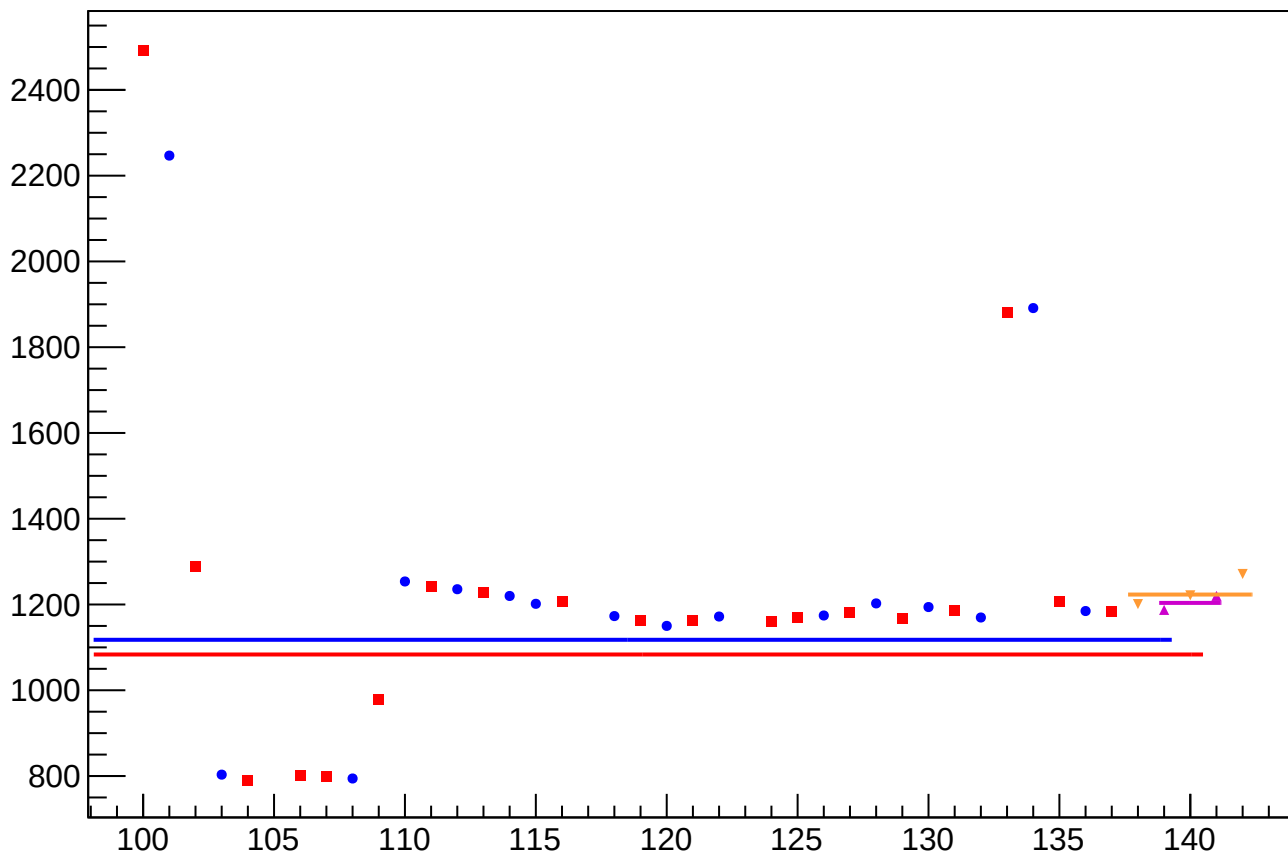
Left In: 1610.073+/-914.807 χ^2/NDF : 0.0/1

+ sign -462.621+/-381.967 χ^2/NDF : 20.5/18

All: -40.539+/-267.680 χ^2/NDF : 38.3/39

- sign 366.799+/-375.236 χ^2/NDF : 15.4/20

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684 $\pm$ 0.302 χ^2 /NDF: 819831.7/15

Left Out: 1223.190 $\pm$ 0.602 χ^2 /NDF:1797.3/2

Right Out: 1083.421 $\pm$ 0.290 χ^2 /NDF: 595016.7/18

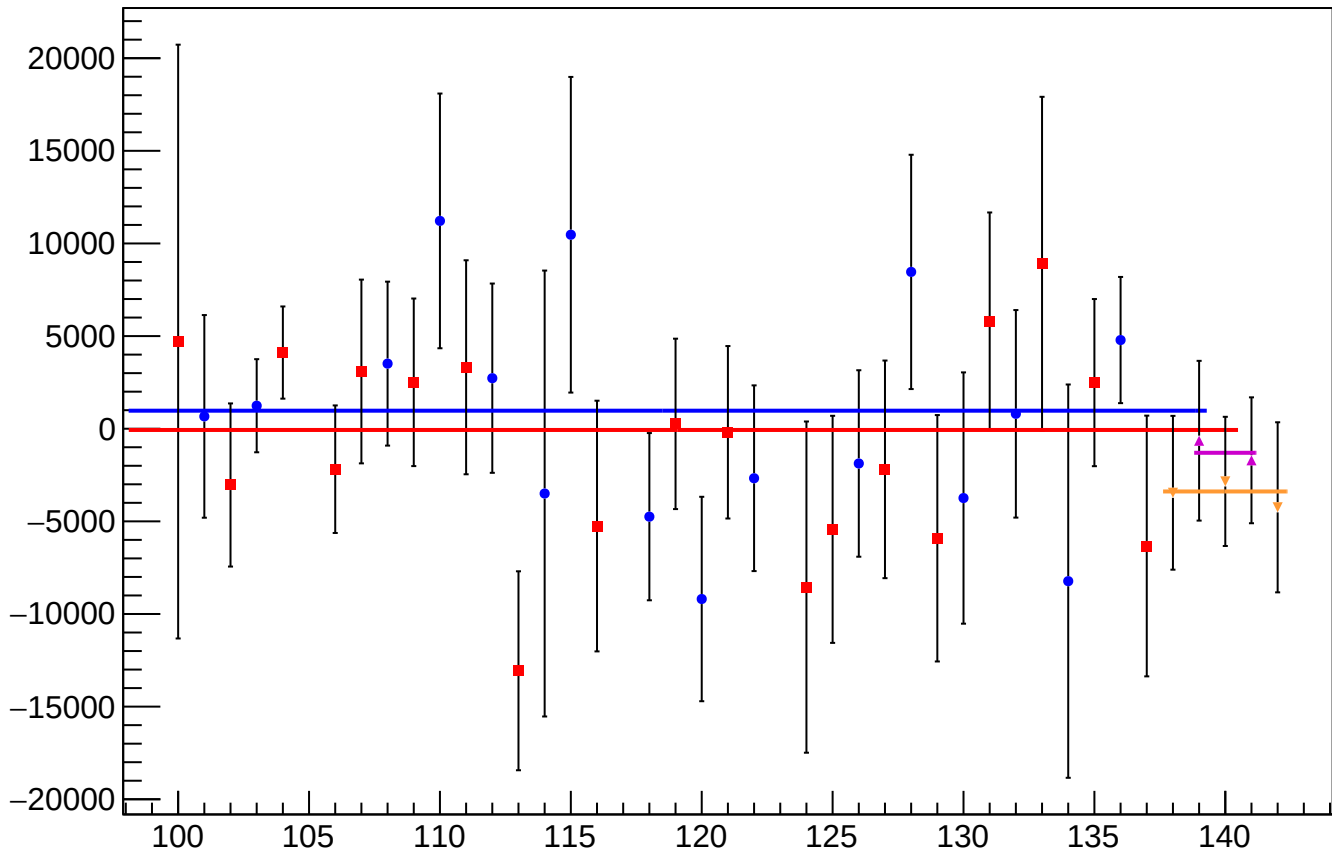
Left In: 1203.699 $\pm$ 0.647 χ^2 /NDF:638.3/1

+ sign 1138.917 $\pm$ 0.270 χ^2 /NDF: 846157.3/18

All: 1120.912 $\pm$ 0.189 χ^2 /NDF: 1479305.4/39

- sign 1103.593 $\pm$ 0.265 χ^2 /NDF: 624430.1/20

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 973.256+/-1232.803 χ^2/NDF : 13.8/15

Left Out: -3386.601+/-2307.667 χ^2/NDF : 0.1/2

Right Out: -67.113+/-1137.892 χ^2/NDF : 16.9/18

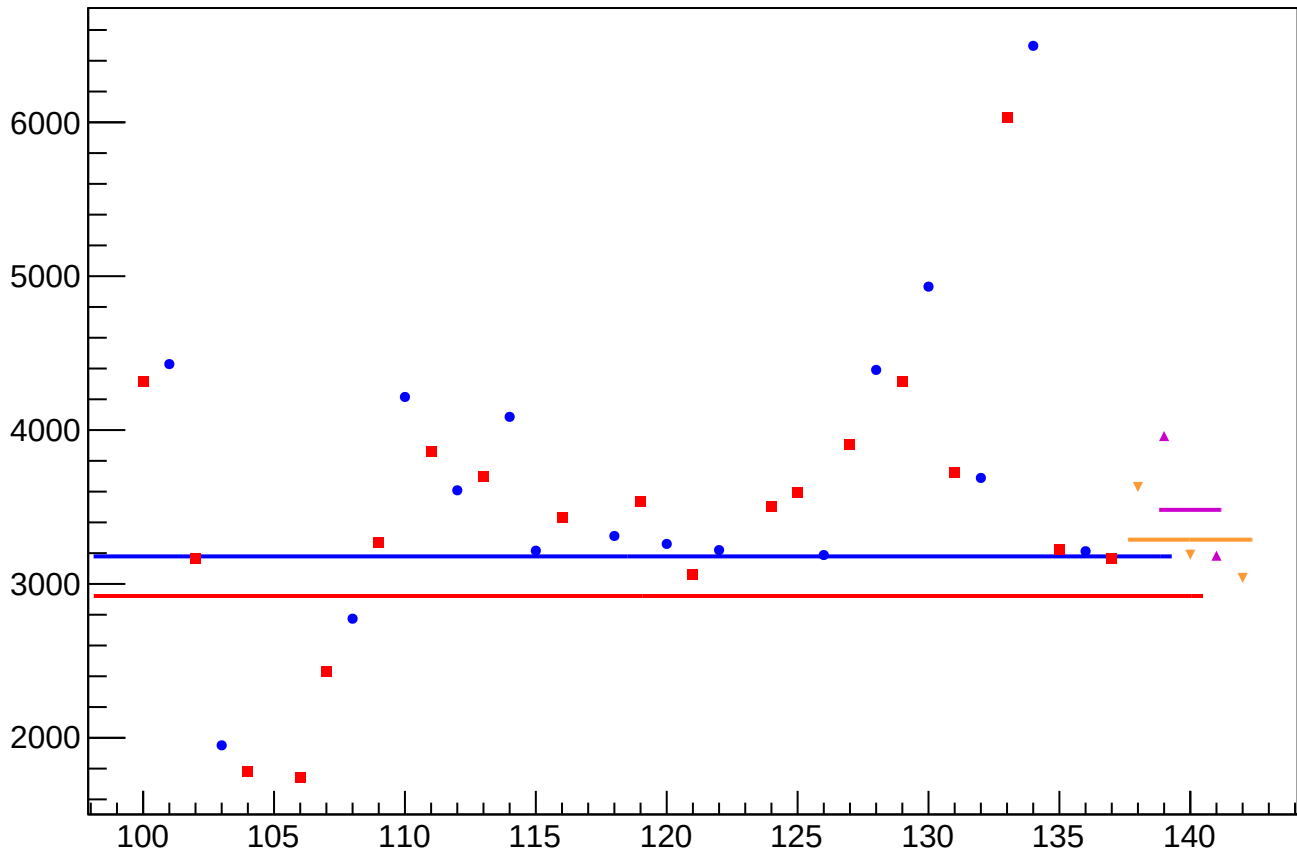
Left In: -1299.475+/-2668.627 χ^2/NDF : 0.0/1

+ sign 5.250+/-1087.367 χ^2/NDF : 16.6/18

All: -130.715+/-754.100 χ^2/NDF : 33.8/39

- sign -256.703+/-1046.710 χ^2/NDF : 17.2/20

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054 ± 0.872 χ^2/NDF : 1091236.5/15

Left Out: 3287.733 ± 1.632 χ^2/NDF : 21028.0/2

Right Out: 2921.641 ± 0.805 χ^2/NDF : 1312890.1/18

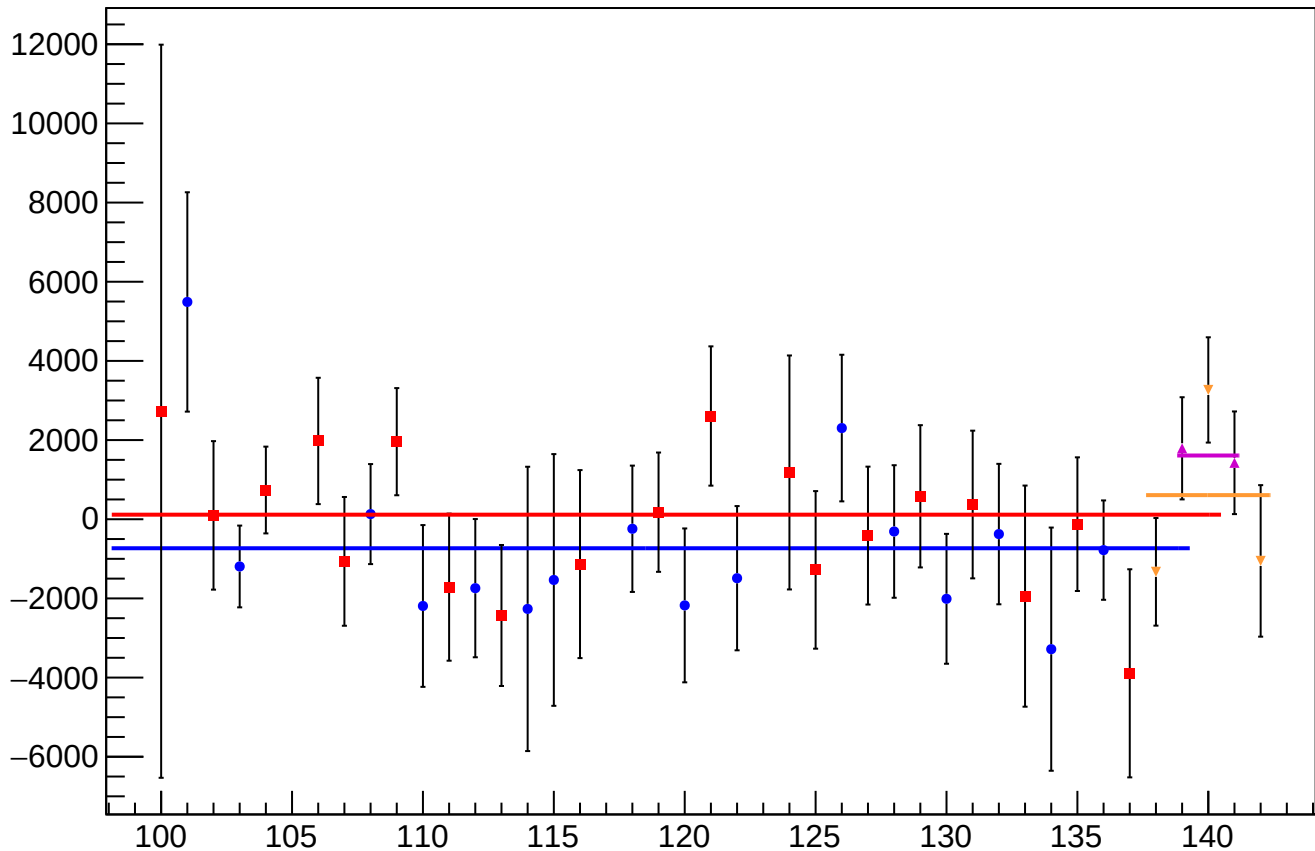
Left In: 3481.560 ± 1.887 χ^2/NDF : 40121.4/1

+ sign 3203.184 ± 0.769 χ^2/NDF : 1115715.4/18

All: 3101.761 ± 0.533 χ^2/NDF : 2576750.1/39

- sign 3007.780 ± 0.740 χ^2/NDF : 1427511.5/20

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF : 11.7/15

Left Out: 609.279+/-851.460 χ^2/NDF : 6.8/2

Right Out: 115.308+/-411.441 χ^2/NDF : 13.1/18

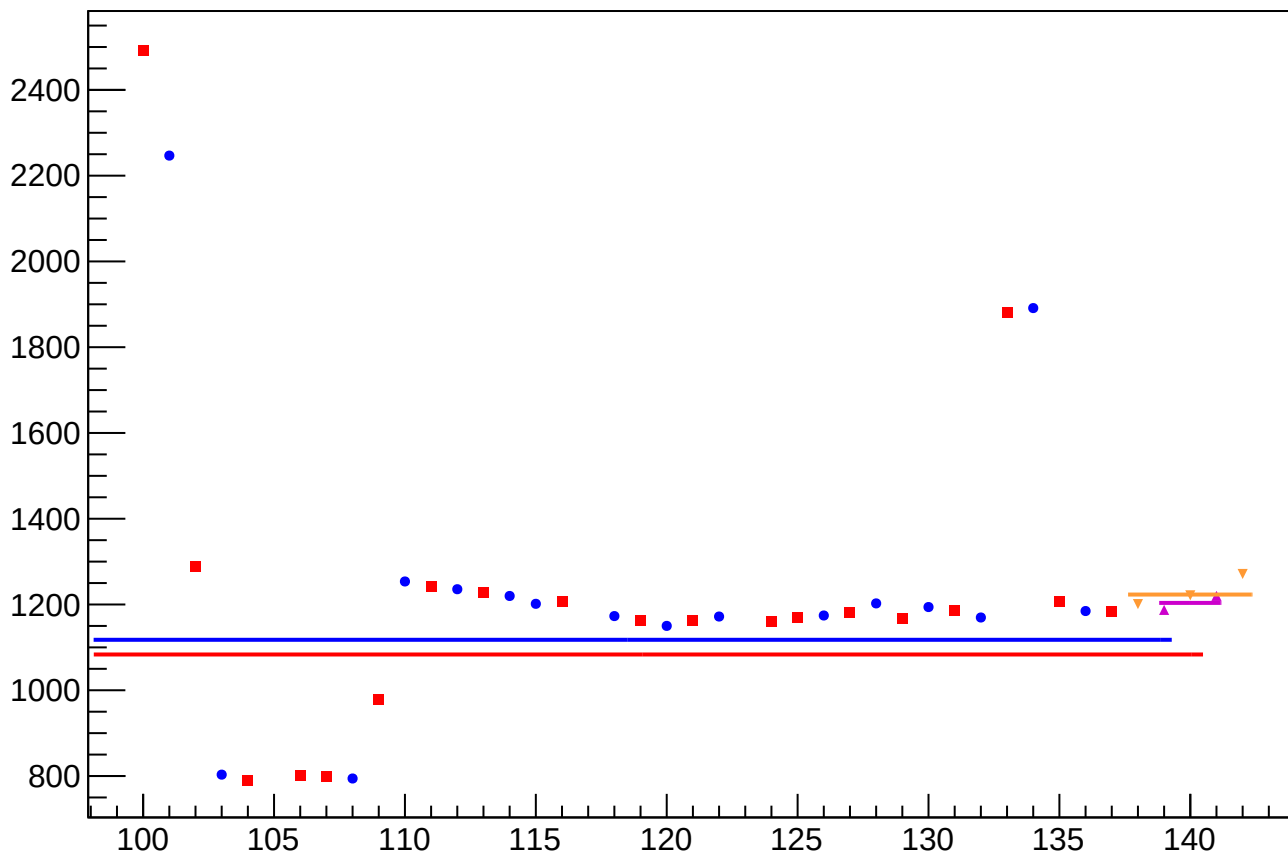
Left In: 1610.073+/-914.807 χ^2/NDF : 0.0/1

+ sign -462.621+/-381.967 χ^2/NDF : 20.5/18

All: -40.539+/-267.680 χ^2/NDF : 38.3/39

- sign 366.799+/-375.236 χ^2/NDF : 15.4/20

eigen cor asym usr atr2 dd rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF : 819831.7/15

Left Out: 1223.190+/-0.602 χ^2/NDF :1797.3/2

Right Out: 1083.421+/-0.290 χ^2/NDF : 595016.7/18

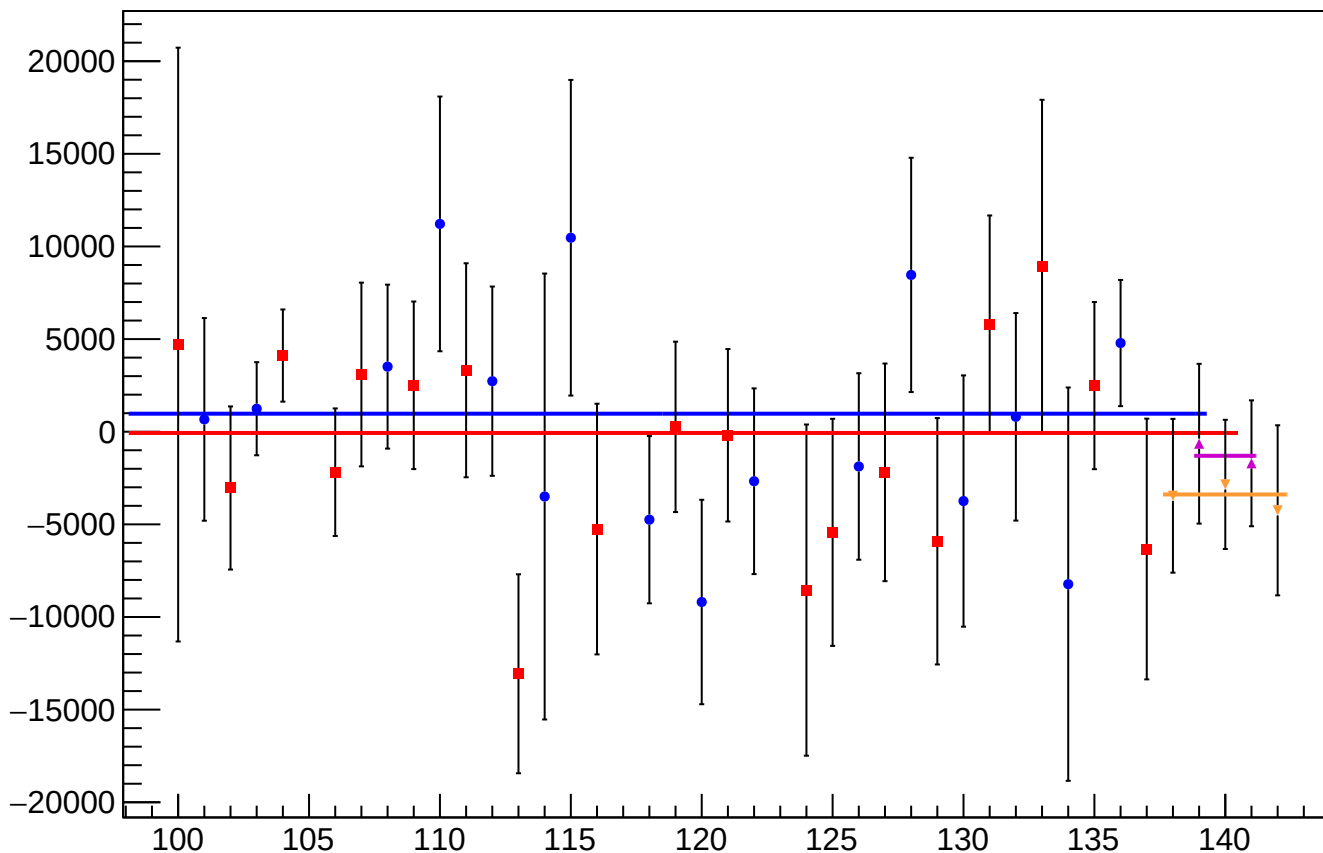
Left In: 1203.699+/-0.647 χ^2/NDF :638.3/1

+ sign 1138.917+/-0.270 χ^2/NDF : 846157.3/18

All: 1120.912 ± 0.189 $\chi^2/\text{NDF}: 1479305.4/39$

- sign 1103.593+/-0.265 χ^2/NDF : 624430.1/20

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug



Right In: 973.256+/-1232.803 χ^2/NDF : 13.8/15

Left Out: -3386.601+/-2307.667 χ^2/NDF : 0.1/2

Right Out: -67.113+/-1137.892 χ^2/NDF : 16.9/18

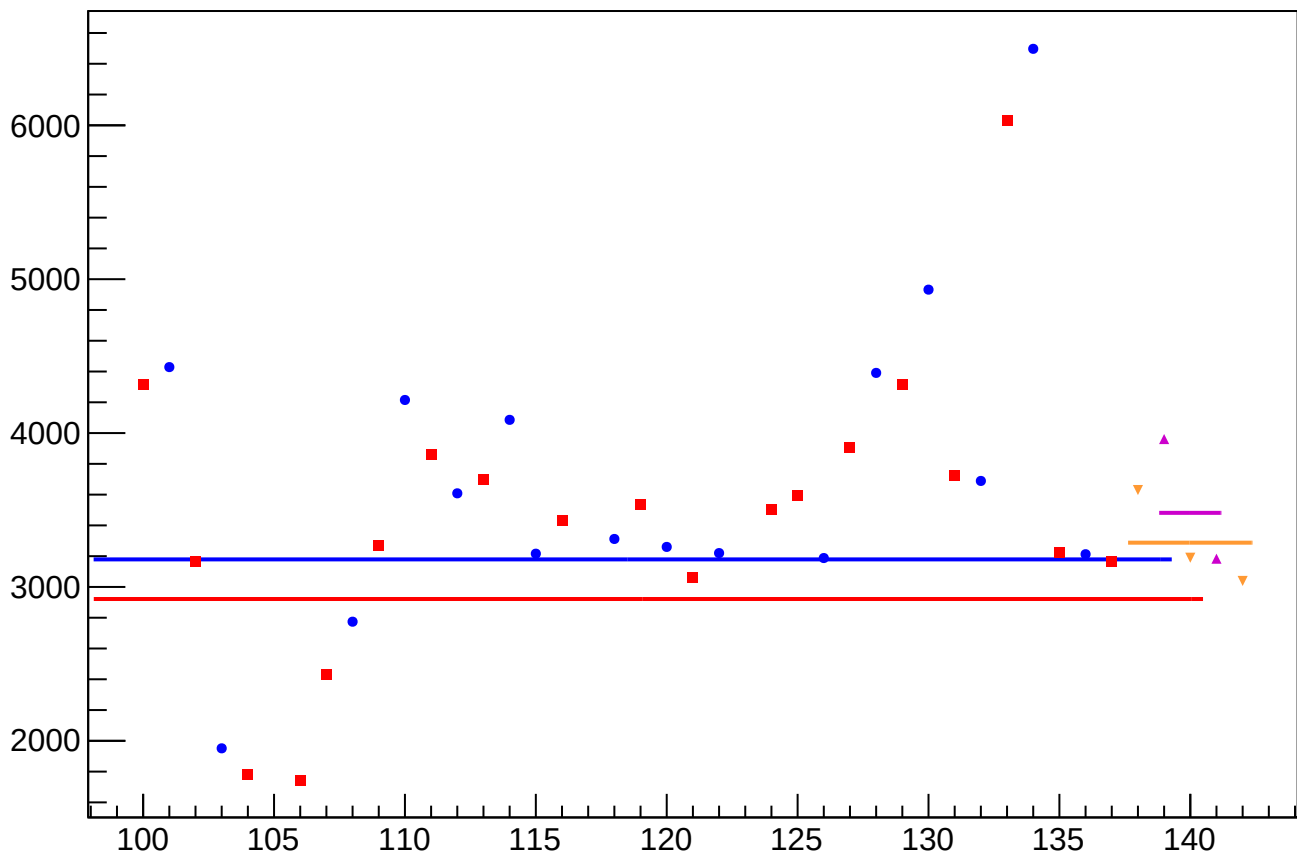
Left In: -1299.475+/-2668.627 χ^2/NDF : 0.0/1

+ sign 5.250+/-1087.367 χ^2/NDF : 16.6/18

All: -130.715+/-754.100 χ^2/NDF : 33.8/39

- sign -256.703+/-1046.710 χ^2/NDF : 17.2/20

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF : 1091236.5/15

Left Out: 3287.733+/-1.632 χ^2/NDF : 21028.0/2

Right Out: 2921.641+/-0.805 χ^2/NDF : 1312890.1/18

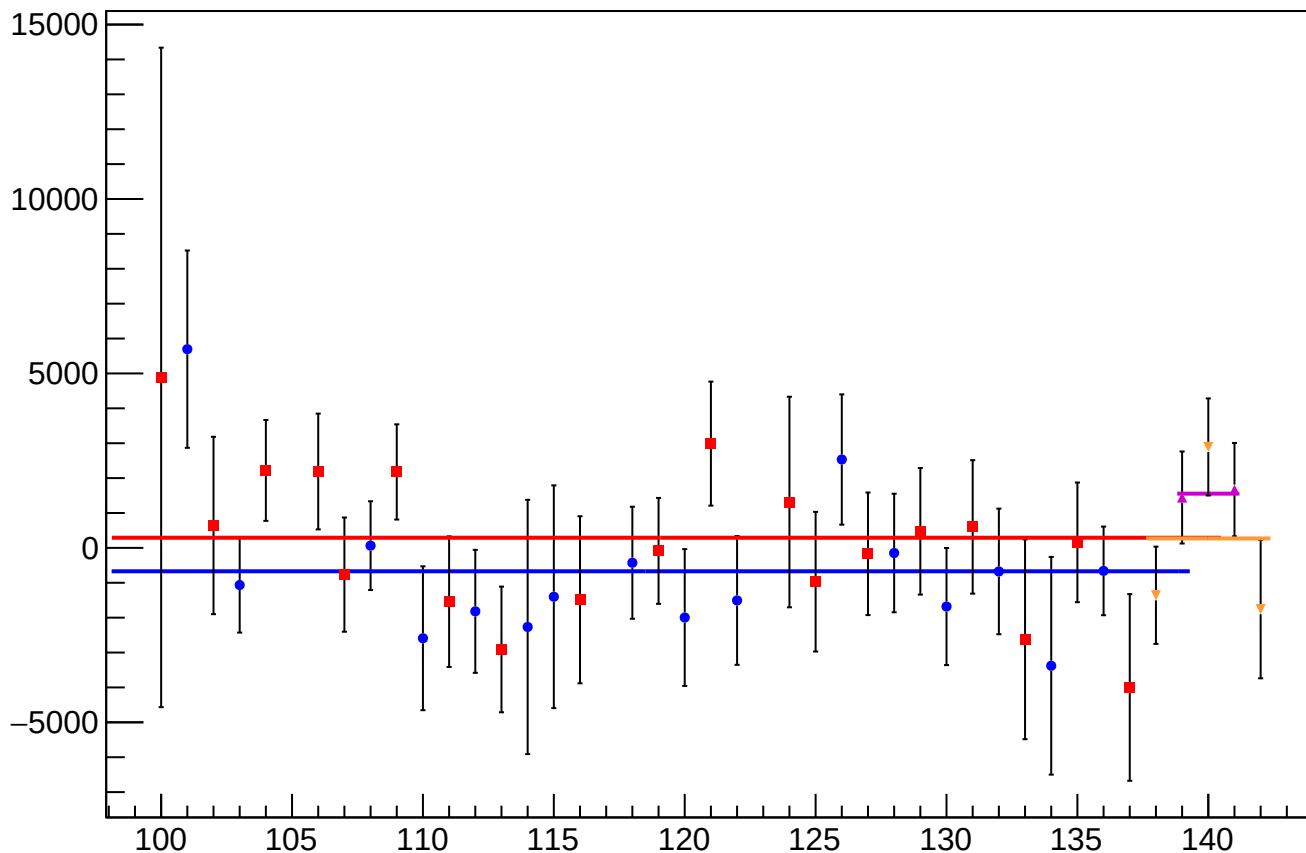
Left In: 3481.560+/-1.887 χ^2/NDF : 40121.4/1

+ sign 3203.184+/-0.769 χ^2/NDF : 1115715.4/18

All: 3101.761+/-0.533 χ^2/NDF : 2576750.1/39

- sign 3007.780+/-0.740 χ^2/NDF : 1427511.5/20

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF : 11.9/15

Left Out: 270.790+/-881.970 χ^2/NDF : 6.0/2

Right Out: 290.311+/-434.425 χ^2/NDF : 16.9/18

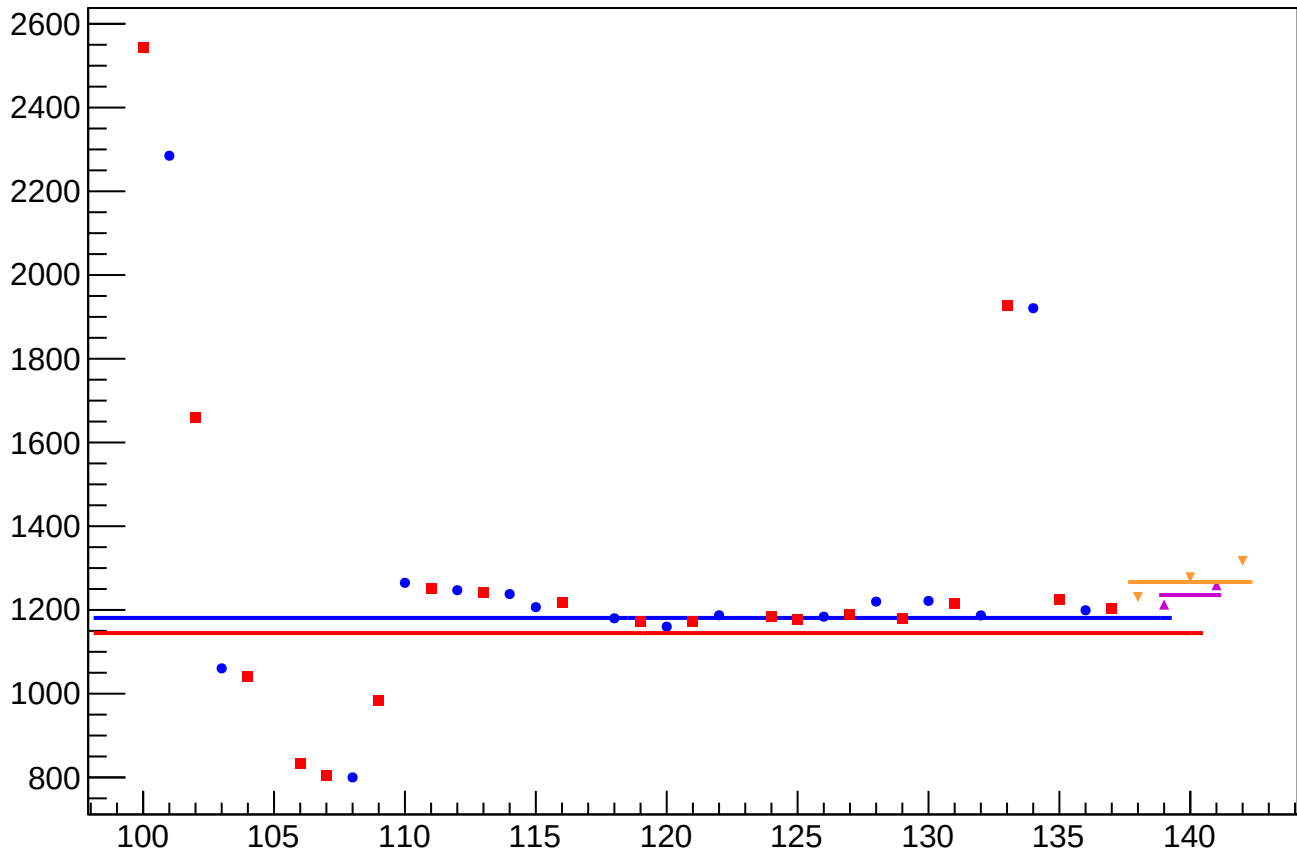
Left In: 1554.721+/-939.224 χ^2/NDF : 0.0/1

+ sign -477.354+/-399.779 χ^2/NDF : 18.7/18

All: 24.741+/-280.726 χ^2/NDF : 40.3/39

- sign 513.145+/-394.290 χ^2/NDF : 18.4/20

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955 $\pm$ 0.317 χ^2 /NDF: 621878.6/15

Left Out: 1266.714 $\pm$ 0.624 χ^2 /NDF: 2727.0/2

Right Out: 1144.777 $\pm$ 0.307 χ^2 /NDF: 497730.6/18

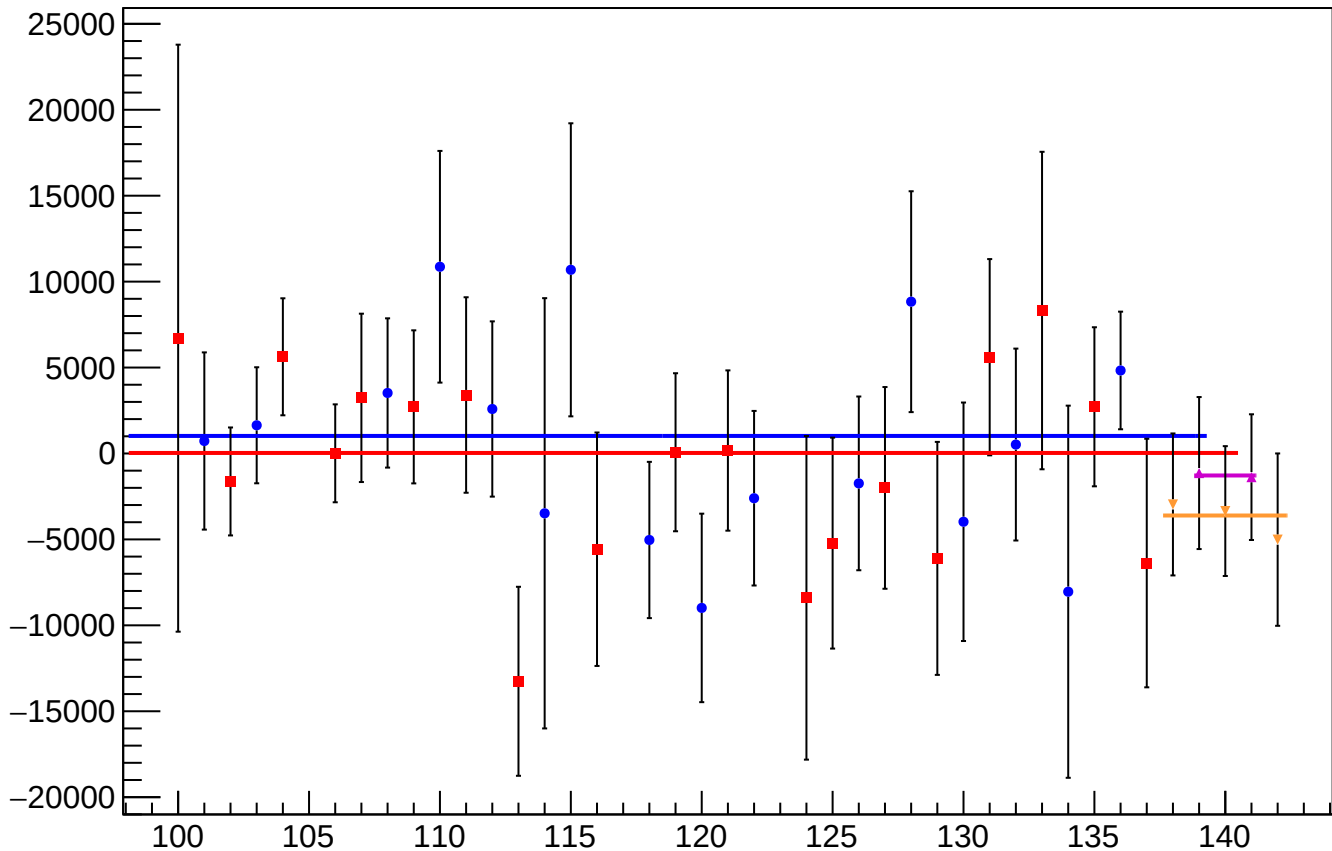
Left In: 1235.640 $\pm$ 0.664 χ^2 /NDF: 1222.8/1

+ sign 1198.575 $\pm$ 0.283 χ^2 /NDF: 639629.8/18

All: 1179.408 $\pm$ 0.198 χ^2 /NDF: 1163071.2/39

- sign 1160.778 $\pm$ 0.279 χ^2 /NDF: 514375.6/20

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047 $\pm$ 1302.431 χ^2 /NDF: 13.9/15

Left Out: -3609.343 $\pm$ 2436.439 χ^2 /NDF: 0.1/2

Right Out: 30.135 $\pm$ 1130.743 χ^2 /NDF: 16.1/18

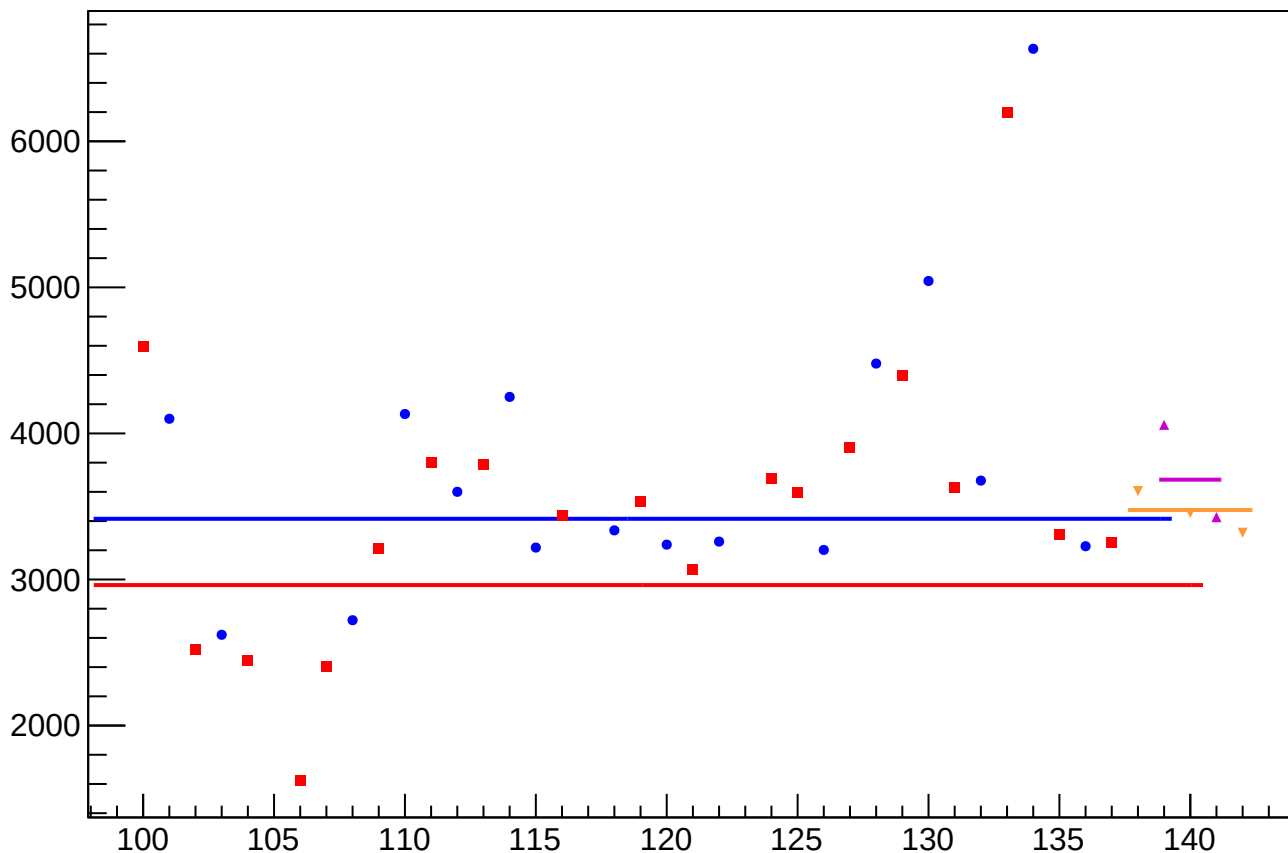
Left In: -1280.365 $\pm$ 2818.391 χ^2 /NDF: 0.0/1

+ sign -8.051 $\pm$ 1148.617 χ^2 /NDF: 16.8/18

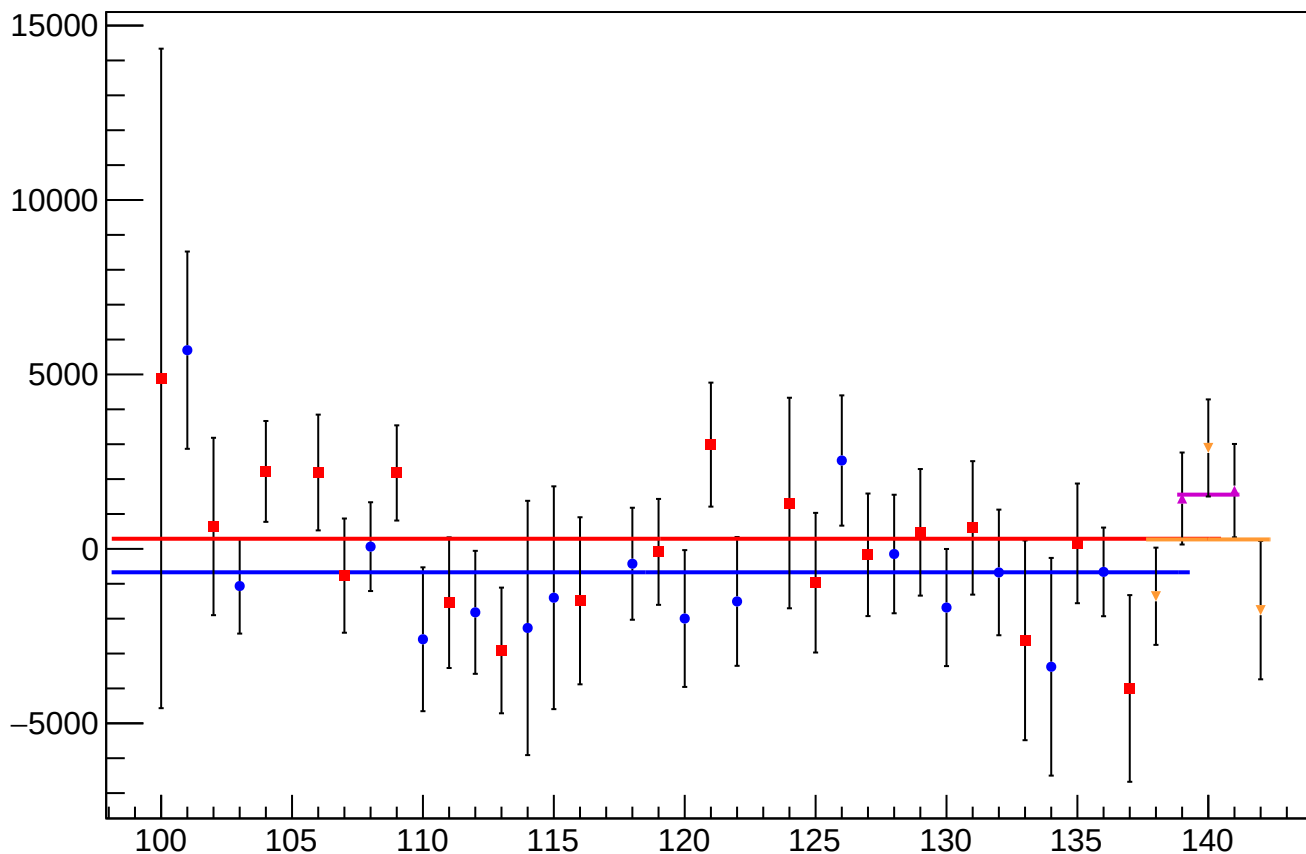
All: -86.268 $\pm$ 774.757 χ^2 /NDF: 33.1/39

- sign -151.560 $\pm$ 1049.433 χ^2 /NDF: 16.3/20

asym_usr_atr2_dd_dit_correction_rms vs Slug



eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824 ± 448.500 χ^2/NDF : 11.9/15

Left Out: 270.786 ± 881.971 χ^2/NDF : 6.0/2

Right Out: 290.316 ± 434.425 χ^2/NDF : 16.9/18

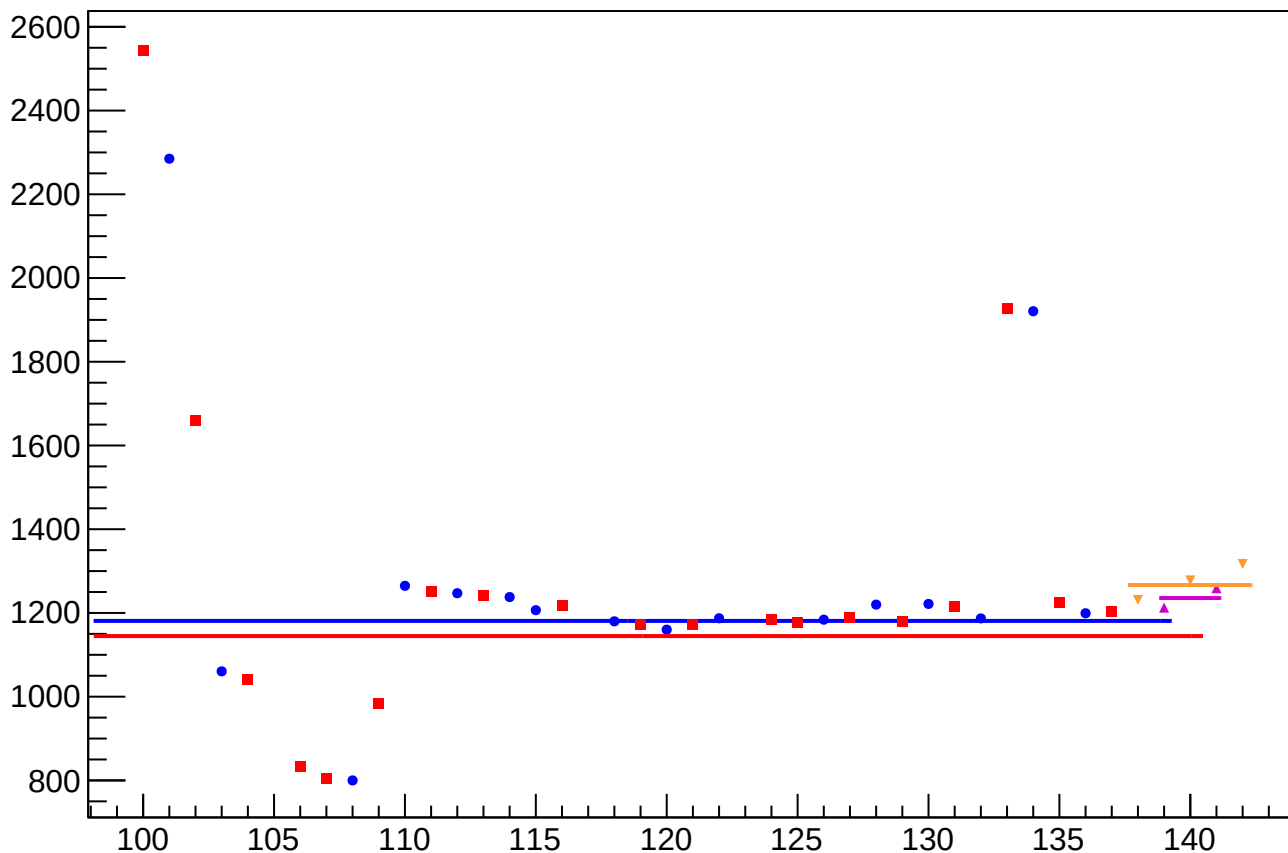
Left In: 1554.705 ± 939.224 χ^2/NDF : 0.0/1

+ sign -477.359 ± 399.779 χ^2/NDF : 18.7/18

All: 24.740 ± 280.726 χ^2/NDF : 40.3/39

- sign 513.147 ± 394.290 χ^2/NDF : 18.4/20

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955 $\pm$ 0.317 χ^2 /NDF: 621878.9/15

Left Out: 1266.714 $\pm$ 0.624 χ^2 /NDF: 2726.9/2

Right Out: 1144.777 $\pm$ 0.307 χ^2 /NDF: 497730.2/18

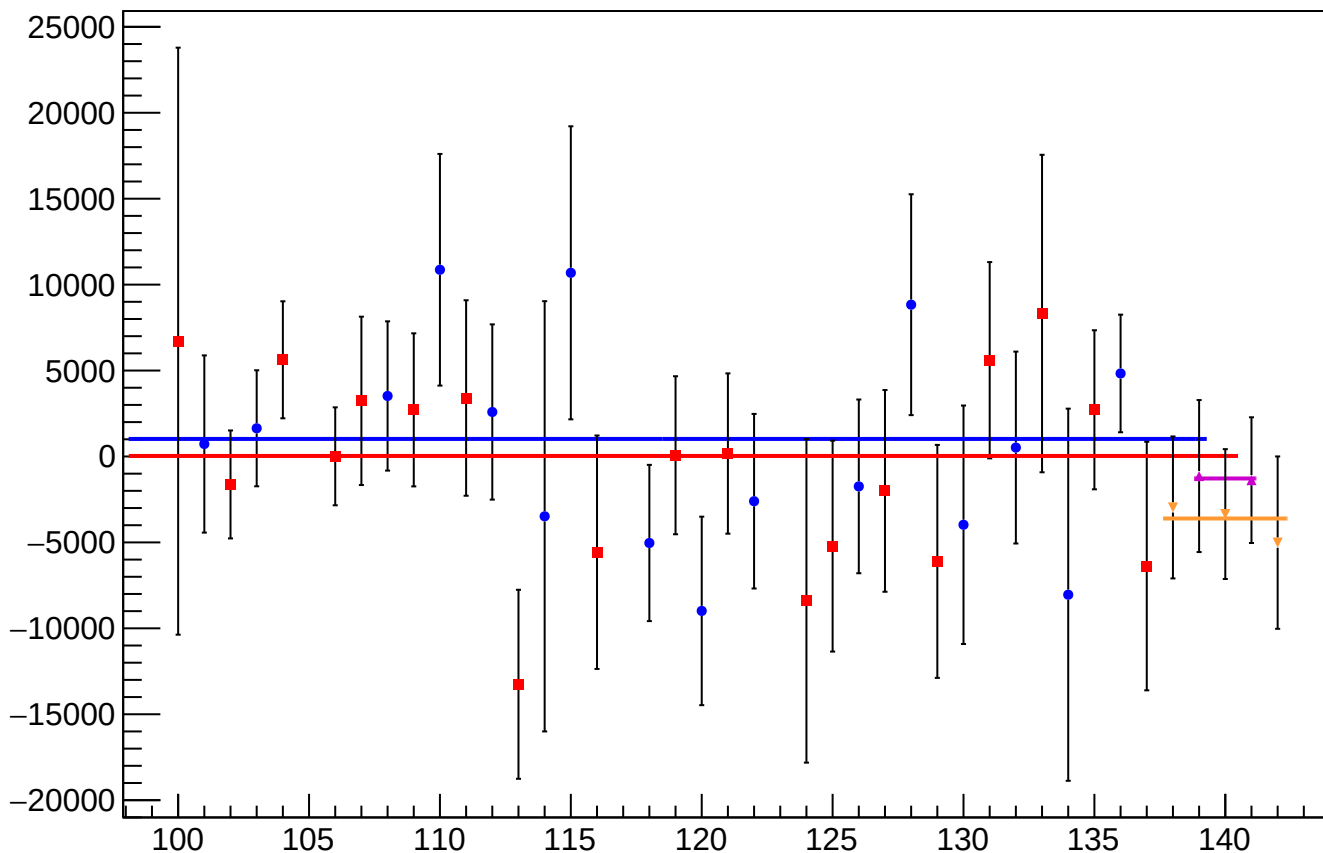
Left In: 1235.641 $\pm$ 0.664 χ^2 /NDF: 1222.7/1

+ sign 1198.575 $\pm$ 0.283 χ^2 /NDF: 639630.1/18

All: 1179.409 $\pm$ 0.198 χ^2 /NDF: 1163070.9/39

- sign 1160.778 $\pm$ 0.279 χ^2 /NDF: 514375.1/20

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug



Right In: 1021.029 $\pm$ 1302.430 χ^2 /NDF: 13.9/15

Left Out: -3609.351 $\pm$ 2436.439 χ^2 /NDF:0.1/2

Right Out: 30.142 $\pm$ 1130.741 χ^2 /NDF: 16.1/18

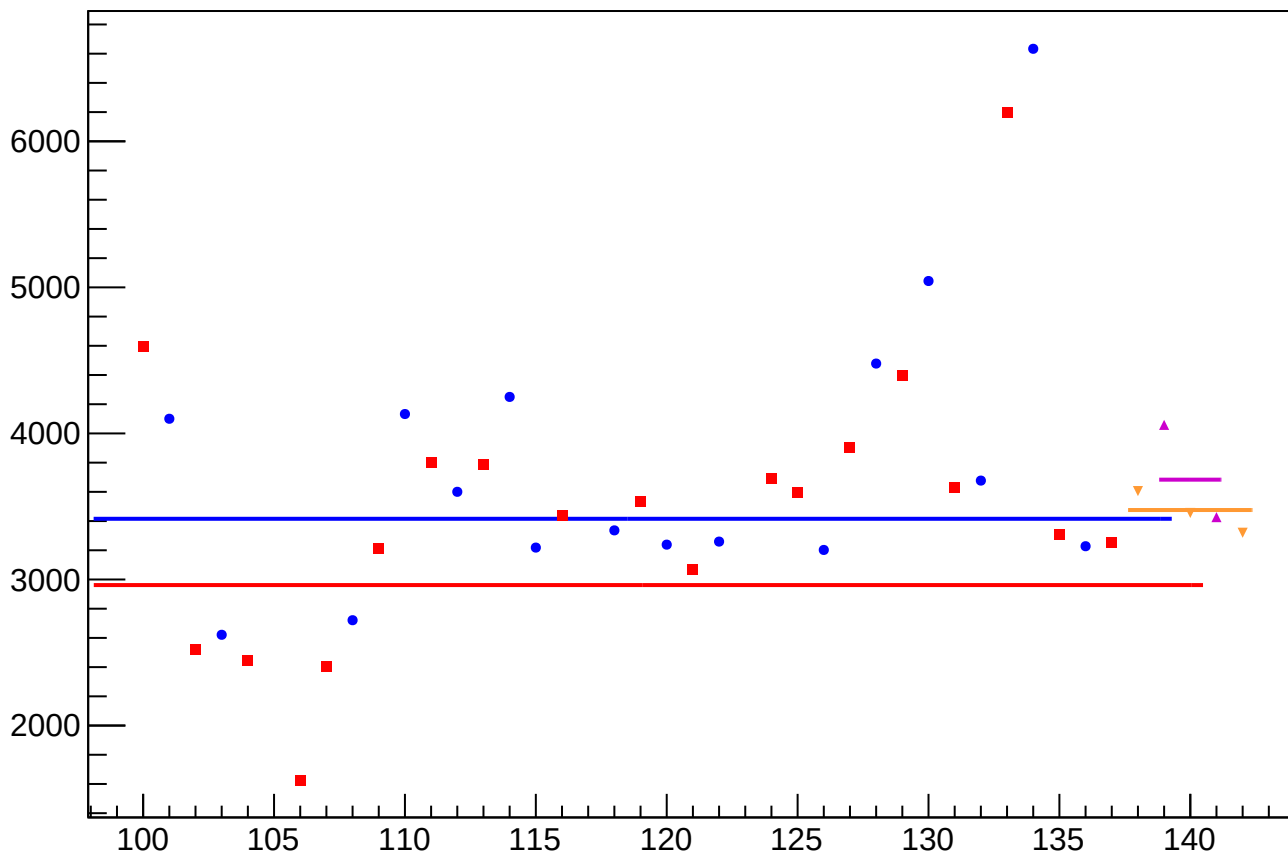
Left In: -1280.383 $\pm$ 2818.392 χ^2 /NDF:0.0/1

+ sign -8.065 $\pm$ 1148.616 χ^2 /NDF: 16.8/18

All: -86.273 $\pm$ 774.756 χ^2 /NDF: 33.1/39

- sign -151.557 $\pm$ 1049.431 χ^2 /NDF: 16.3/20

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591+/-0.921 χ^2 /NDF: 592339.1/15

Left Out: 3475.623+/-1.723 χ^2 /NDF: 3950.6/2

Right Out: 2961.793+/-0.800 χ^2 /NDF: 1169257.0/18

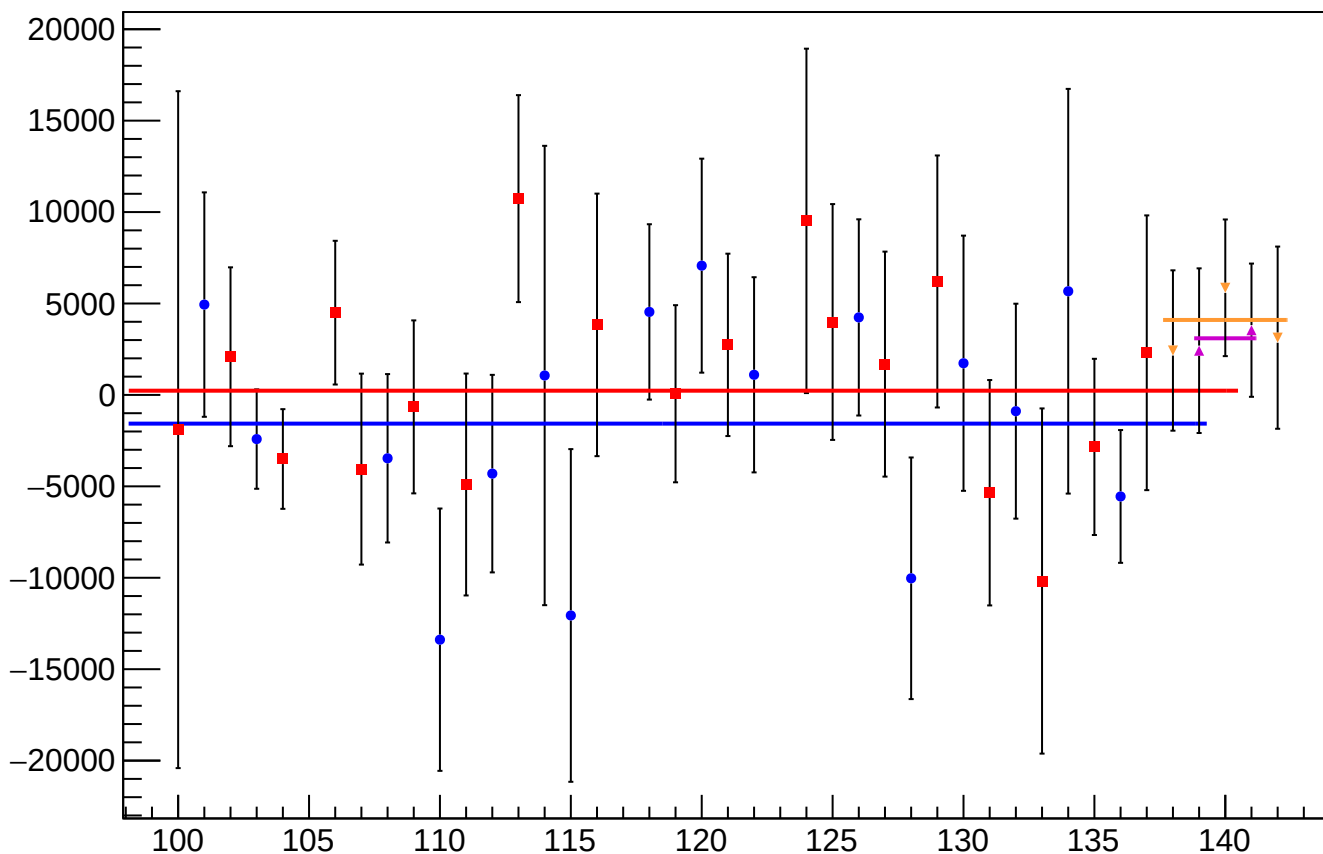
Left In: 3683.463+/-1.993 χ^2 /NDF: 24238.1/1

+ sign 3428.933+/-0.812 χ^2 /NDF: 597234.0/18

All: 3228.861+/-0.548 χ^2 /NDF: 2015014.4/39

- sign 3061.849+/-0.742 χ^2 /NDF: 1306445.1/20

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809 ± 1312.937 χ^2/NDF : 14.5/15

Left Out: 4099.853 ± 2470.078 χ^2/NDF : 0.4/2

Right Out: 231.125 ± 1224.318 χ^2/NDF : 13.2/18

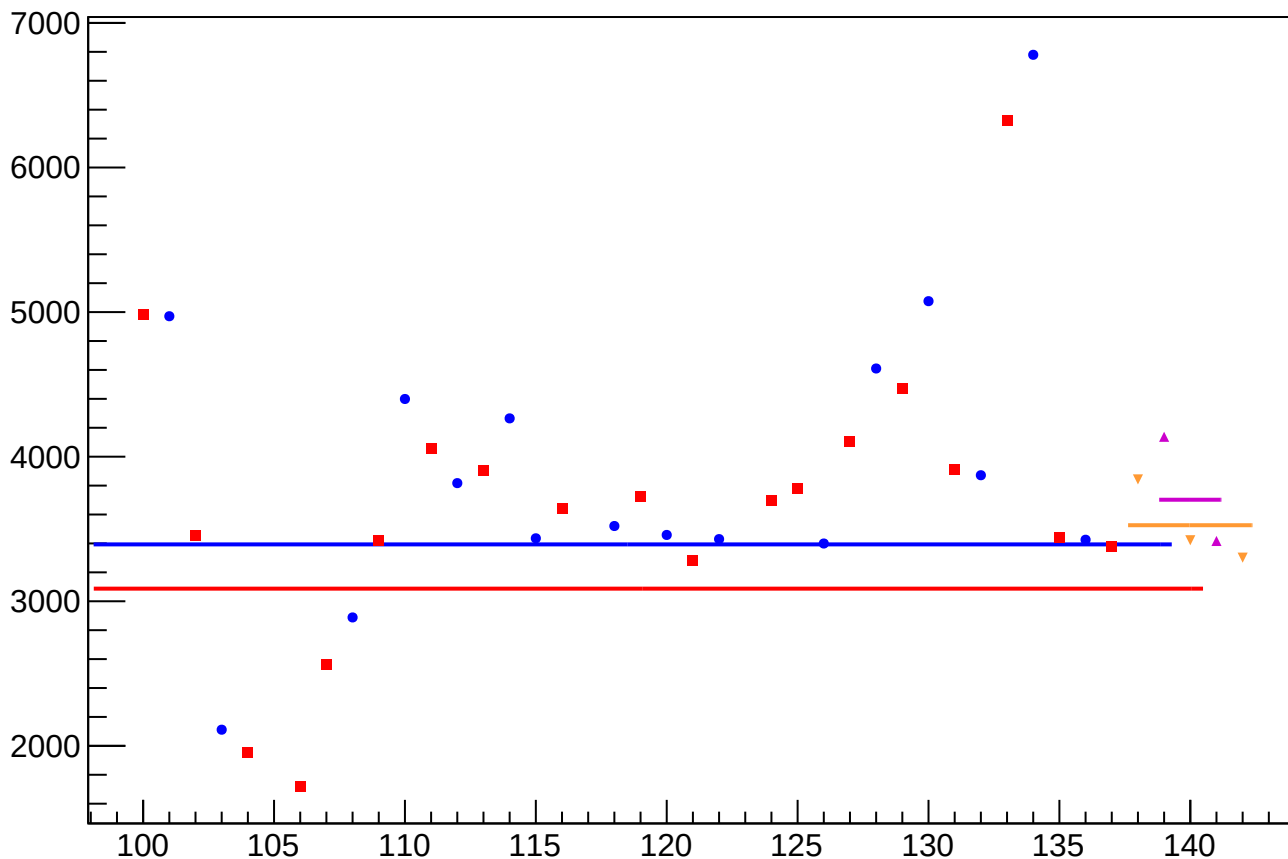
Left In: 3096.706 ± 2832.269 χ^2/NDF : 0.0/1

+ sign -320.828 ± 1159.338 χ^2/NDF : 19.0/18

All: 196.333 ± 806.923 χ^2/NDF : 33.5/39

- sign 682.287 ± 1123.813 χ^2/NDF : 14.1/20

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF : 1048707.6/15

Left Out: 3525.947+/-1.747 χ^2/NDF :16045.2/2

Right Out: 3087.307+/-0.851 χ^2/NDF : 1328355.8/18

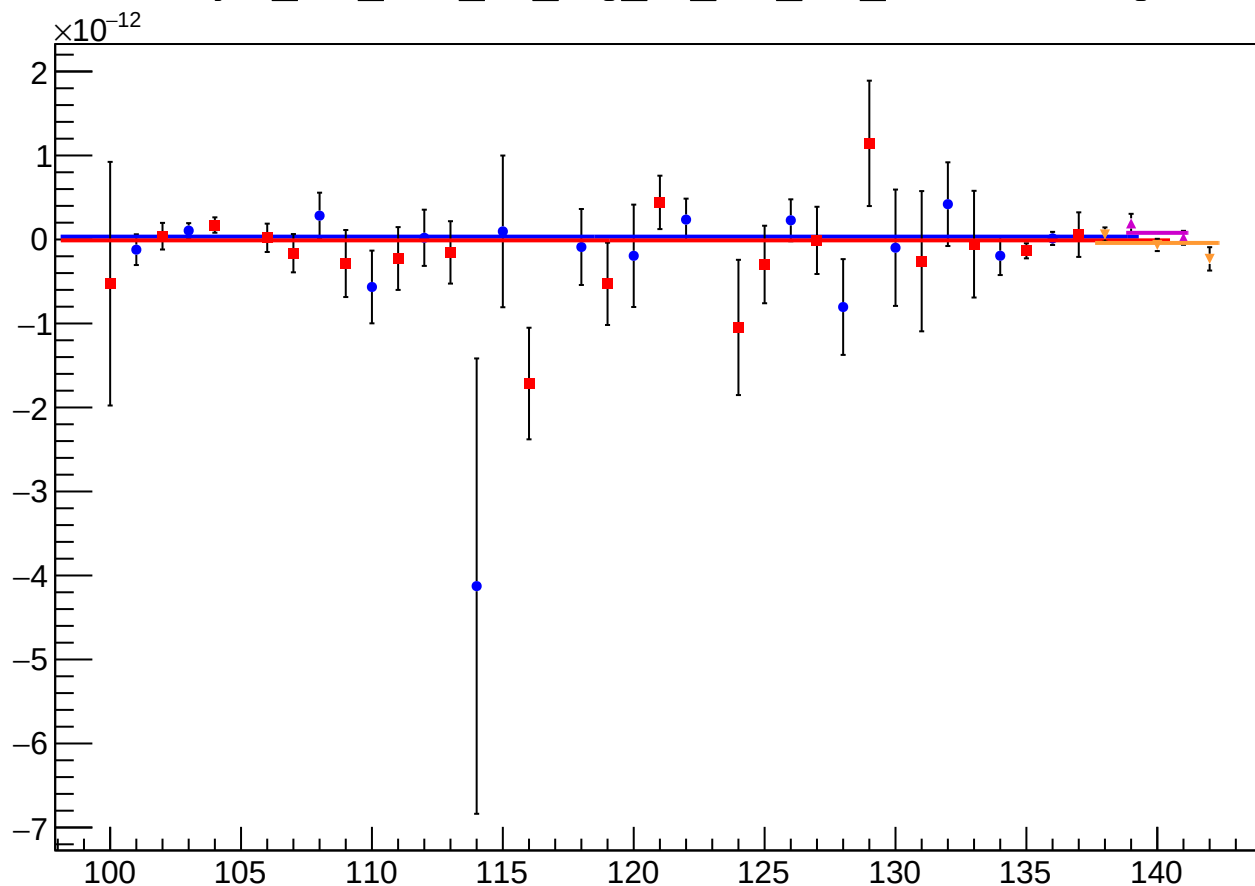
Left In: 3702.238+/-2.003 χ^2/NDF :30959.7/1

+ sign 3422.572+/-0.820 χ^2/NDF : 1069245.5/18

All: 3296.515+/-0.566 χ^2/NDF : 2553652.1/39

- sign 3181.398+/-0.783 χ^2/NDF : 1439168.6/20

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF : 3.4/2

Right Out: -0.000+/-0.000 χ^2/NDF : 21.9/18

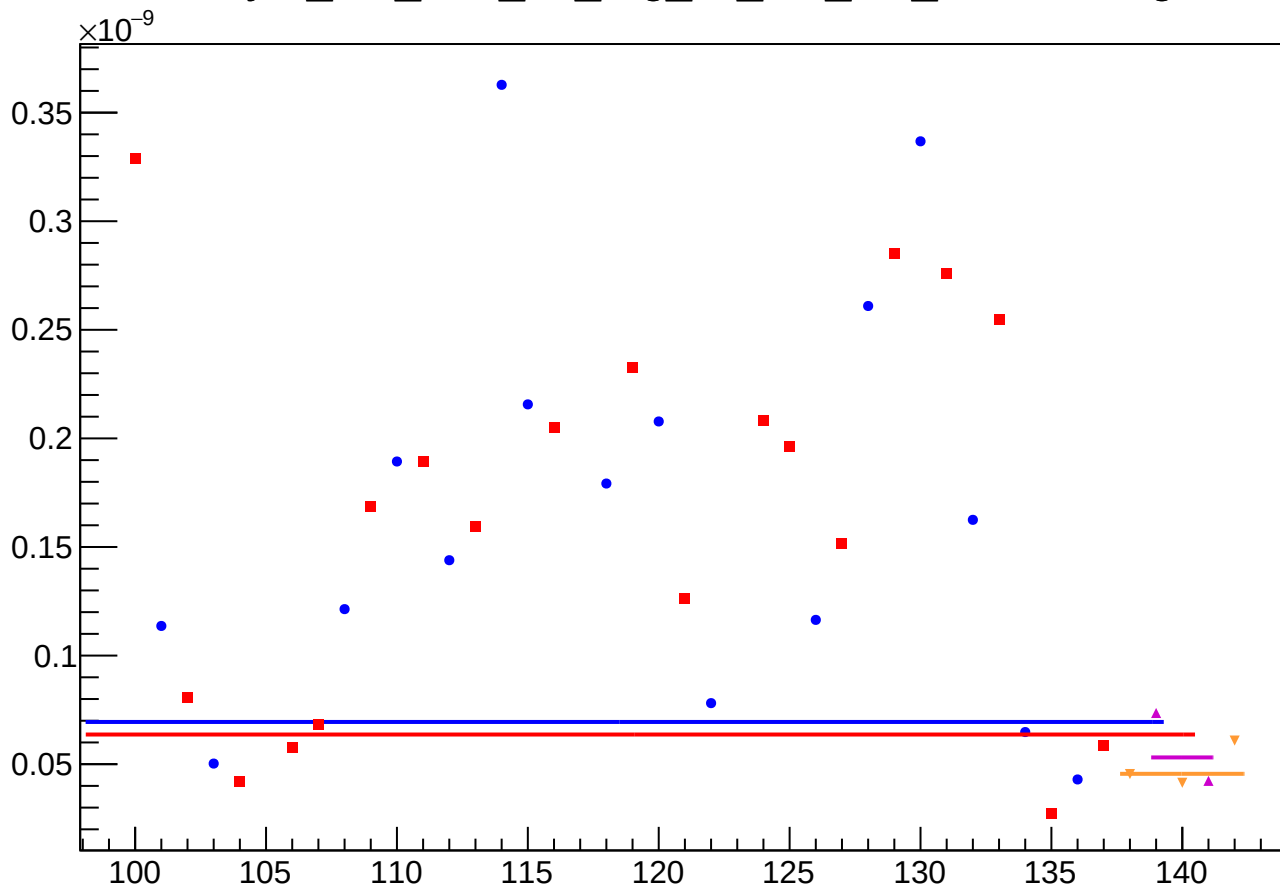
Left In: 0.000+/-0.000 χ^2/NDF : 1.5/1

+ sign -0.000+/-0.000 χ^2/NDF : 16.4/18

All: 0.000+/-0.000 χ^2/NDF : 41.1/39

- sign 0.000+/-0.000 χ^2/NDF : 24.5/20

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 : 30592.4/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2250342.3/18

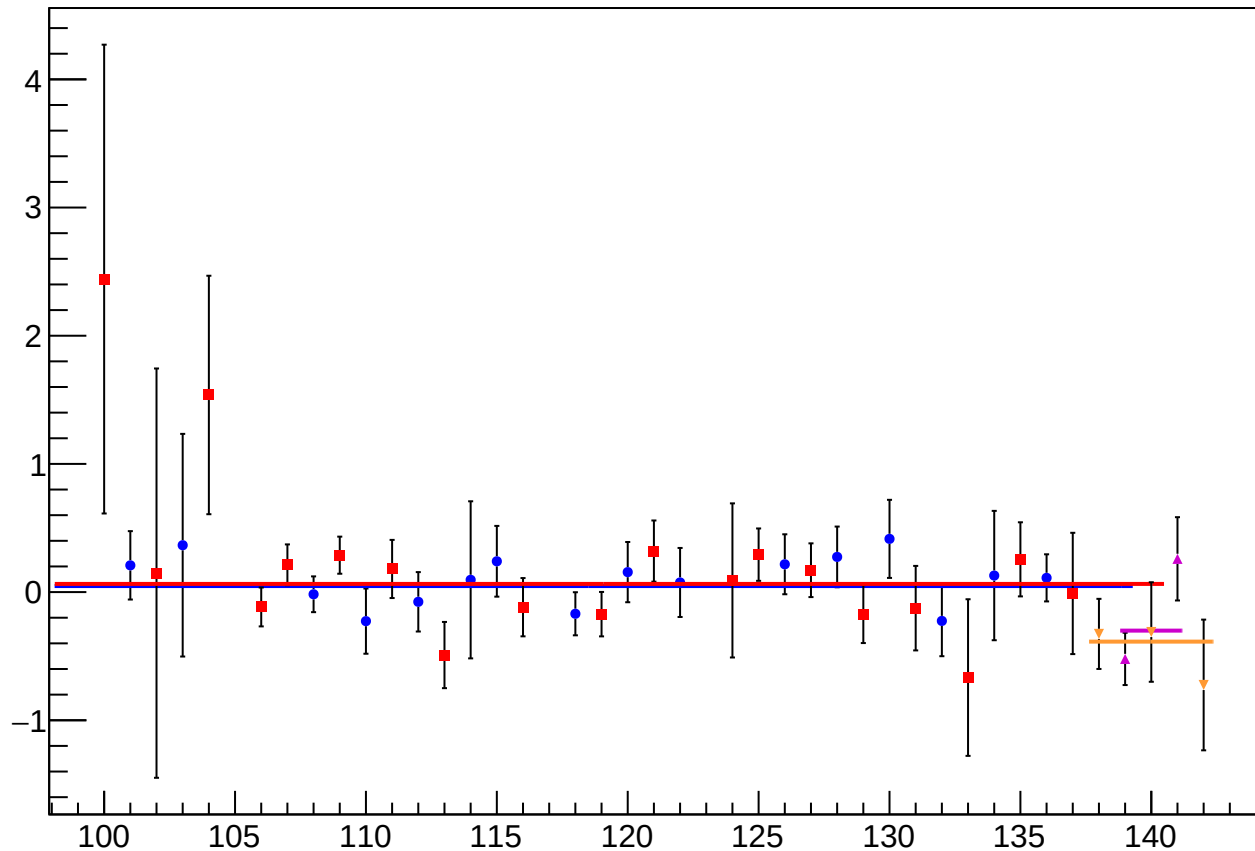
Left In: 0.000+/-0.000 χ^2/NDF : 98410.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 1987520.0/18

All: 0.000+/-0.000 χ^2/NDF : 4370858.5/39

- sign 0.000+/-0.000 χ^2/NDF : 2380821.9/20

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: -0.386 ± 0.205 χ^2/NDF : 0.5/2

Right Out: 0.064 ± 0.055 χ^2/NDF : 22.2/18

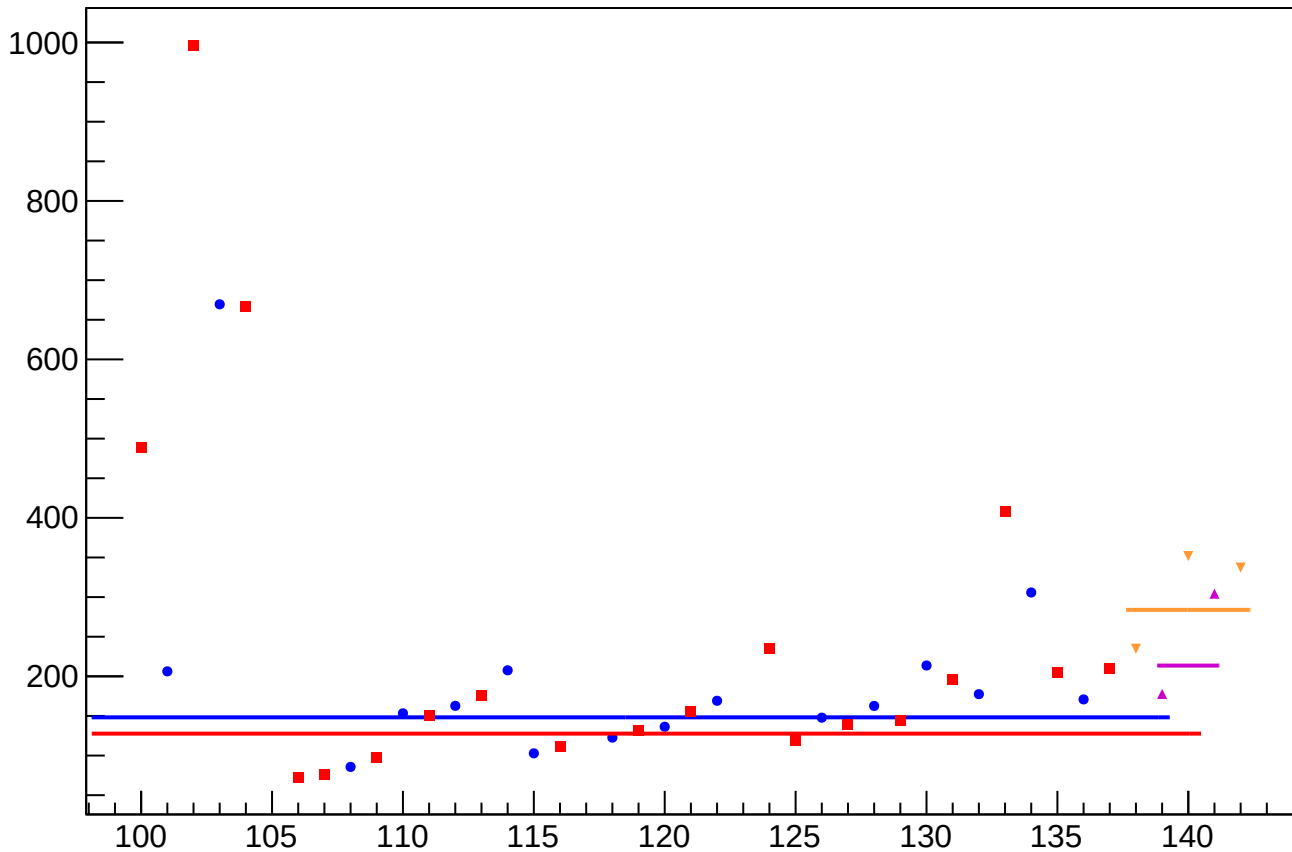
Left In: -0.301 ± 0.173 χ^2/NDF : 4.1/1

+ sign 0.013 ± 0.058 χ^2/NDF : 13.2/18

All: 0.023 ± 0.039 χ^2/NDF : 43.7/39

- sign 0.031 ± 0.052 χ^2/NDF : 30.4/20

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: 283.885 $\pm$ 0.145 χ^2 /NDF:147389.6/2

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841780.7/18

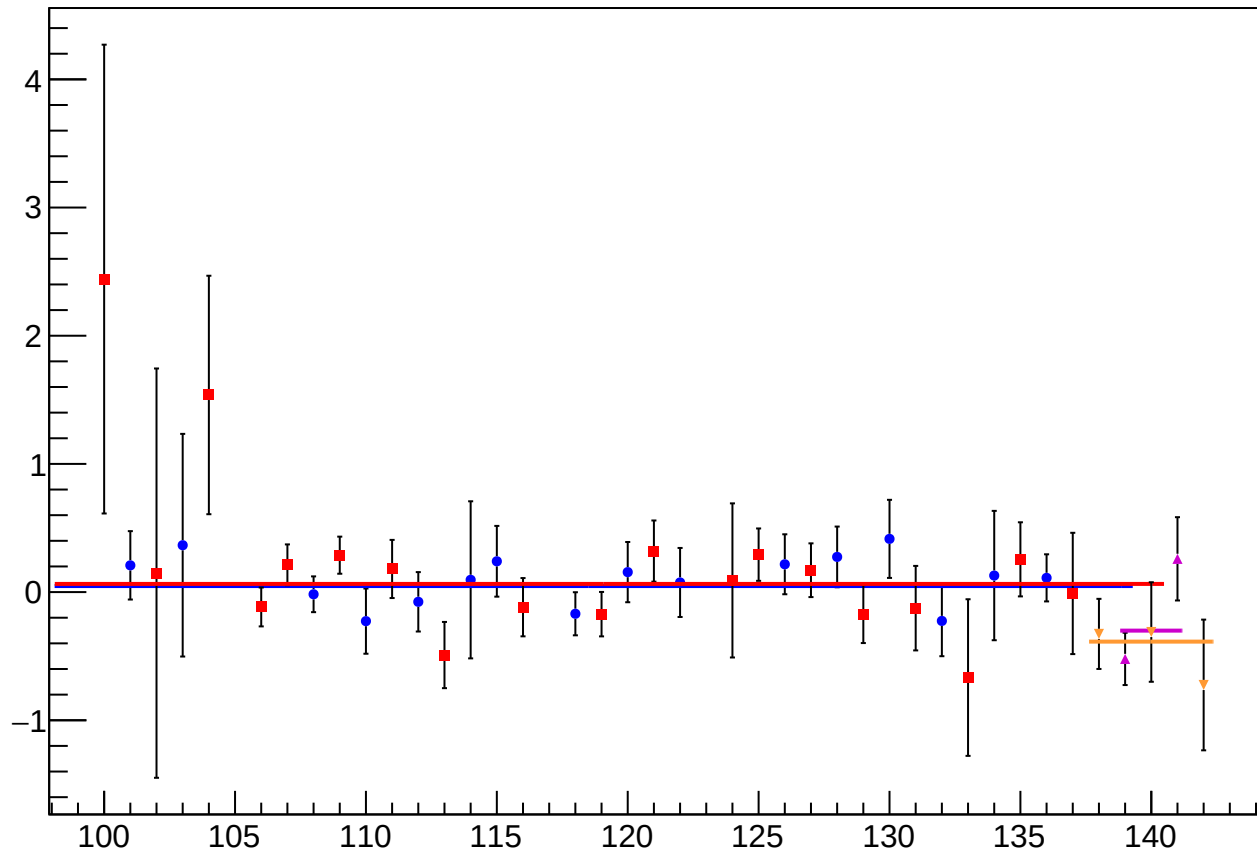
Left In: 213.564 $\pm$ 0.122 χ^2 /NDF:217379.2/1

+ sign 158.976 $\pm$ 0.041 χ^2 /NDF: 2665686.6/18

All: 146.069 $\pm$ 0.027 χ^2 /NDF: 6356800.8/39

- sign 135.504 $\pm$ 0.037 χ^2 /NDF: 3508516.4/20

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047 $\pm$ 0.060 χ^2 /NDF: 8.6/15

Left Out: -0.386 $\pm$ 0.205 χ^2 /NDF: 0.5/2

Right Out: 0.064 $\pm$ 0.055 χ^2 /NDF: 22.2/18

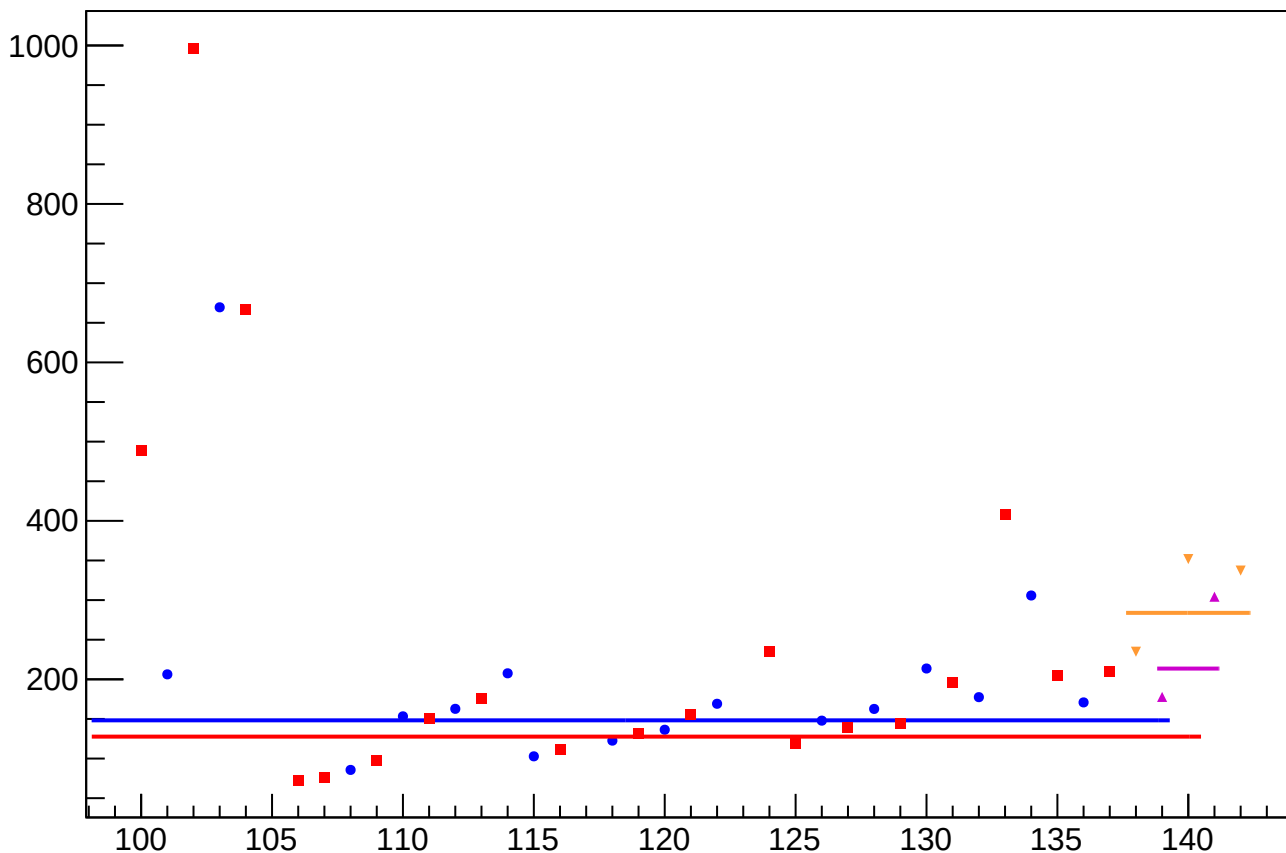
Left In: -0.301 $\pm$ 0.173 χ^2 /NDF: 4.1/1

+ sign 0.013 $\pm$ 0.058 χ^2 /NDF: 13.2/18

All: 0.023 $\pm$ 0.039 χ^2 /NDF: 43.7/39

- sign 0.031 $\pm$ 0.052 χ^2 /NDF: 30.4/20

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: 283.885 $\pm$ 0.145 χ^2 /NDF:147389.6/2

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841780.7/18

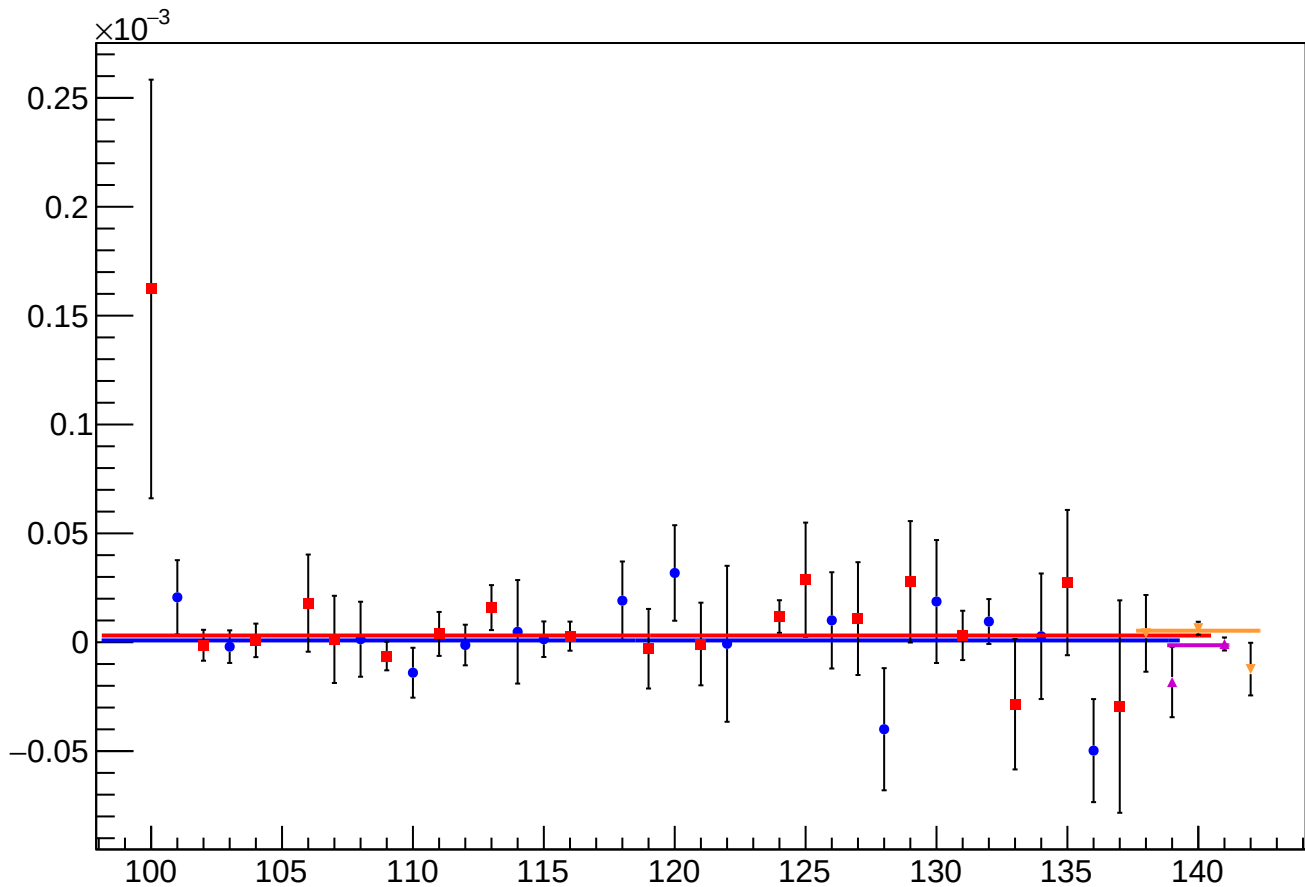
Left In: 213.564 $\pm$ 0.122 χ^2 /NDF:217379.2/1

+ sign 158.976 $\pm$ 0.041 χ^2 /NDF: 2665686.6/18

All: 146.069 $\pm$ 0.027 χ^2 /NDF: 6356800.8/39

- sign 135.504 $\pm$ 0.037 χ^2 /NDF: 3508516.4/20

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:2.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.7/18

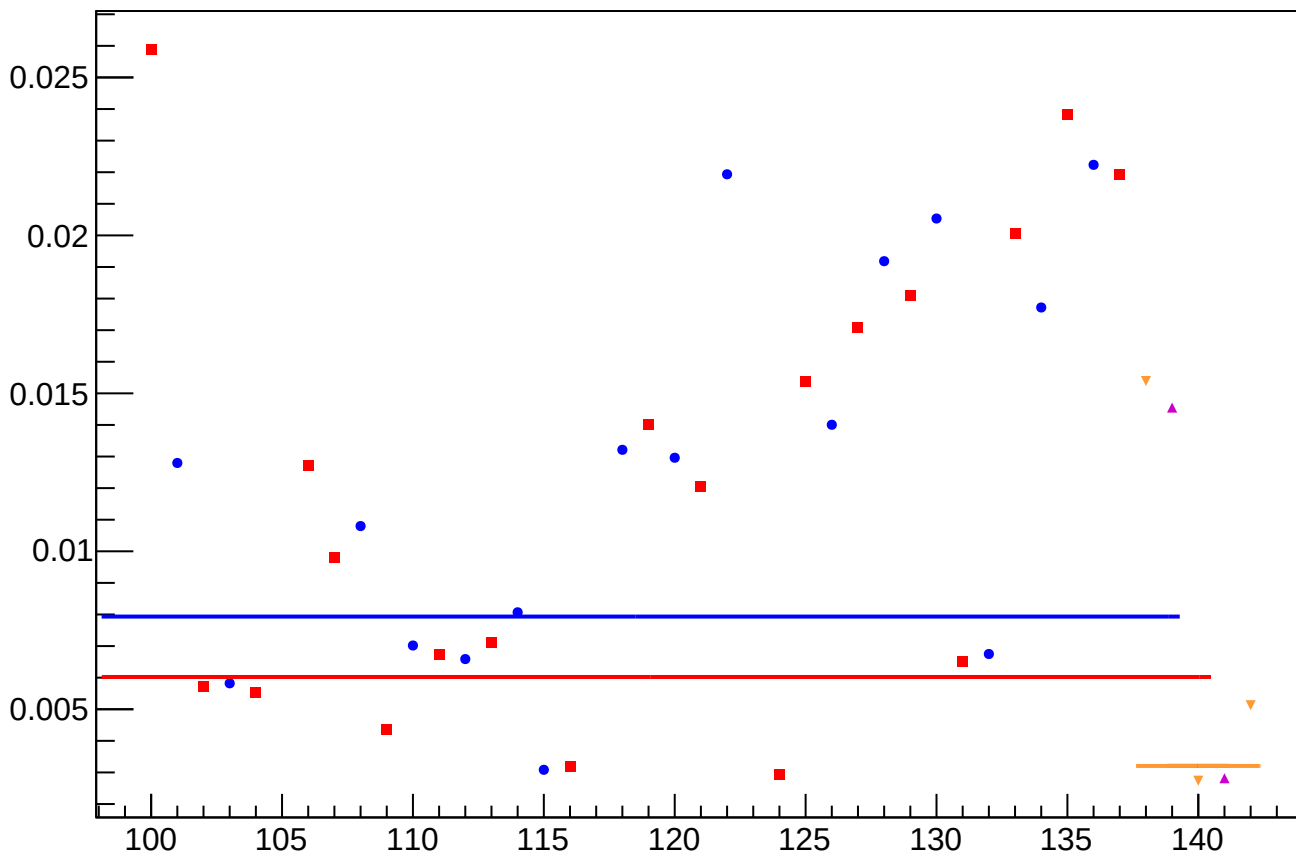
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:1.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.3/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/20

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 3577687.8/15

Left Out: 0.003+/-0.000 χ^2/NDF :1055435.5/2

Right Out: 0.006+/-0.000 χ^2/NDF : 4009592.0/18

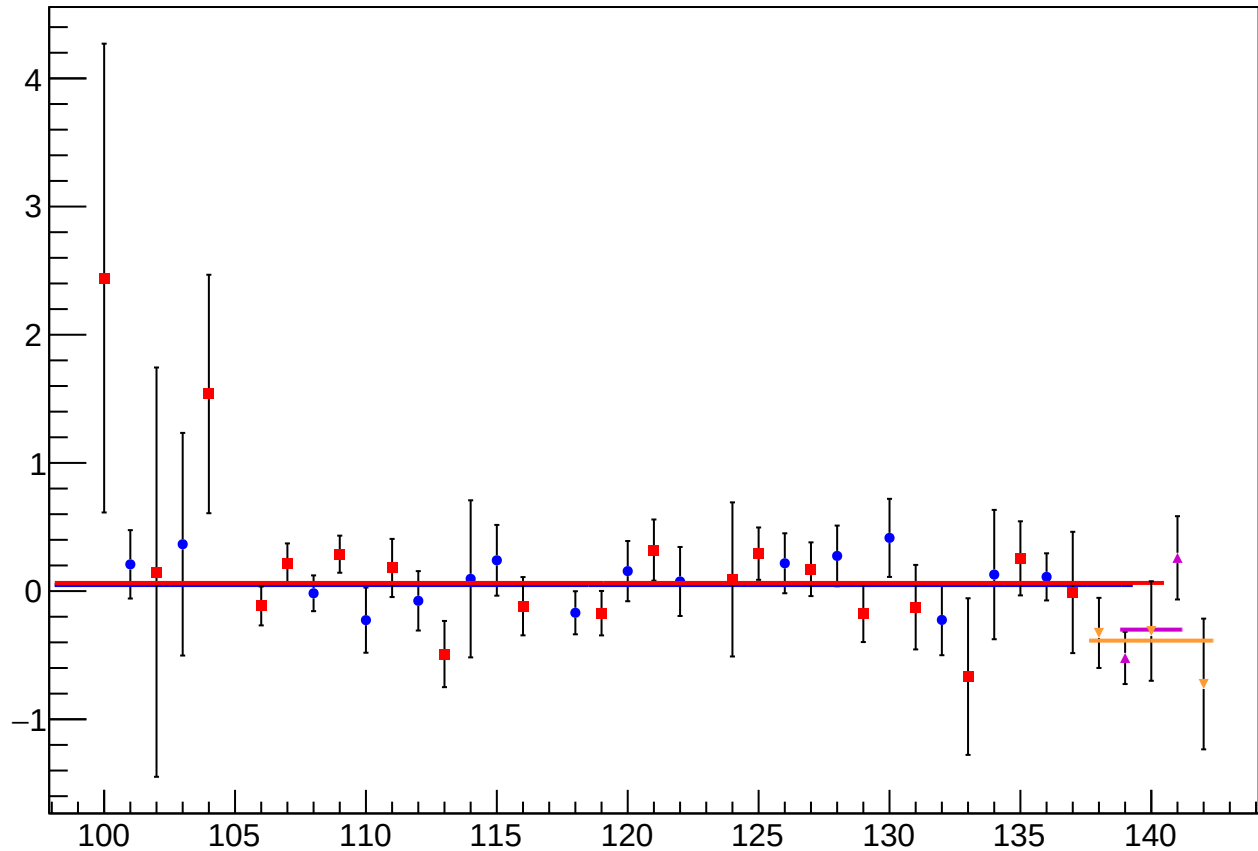
Left In: 0.003+/-0.000 χ^2/NDF :1019135.3/1

+ sign 0.005+/-0.000 χ^2/NDF : 6849533.2/18

All: 0.005+/-0.000 χ^2/NDF : 12919125.9/39

- sign 0.005+/-0.000 χ^2/NDF : 6041054.6/20

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047 $\pm$ 0.060 χ^2 /NDF: 8.6/15

Left Out: -0.386 $\pm$ 0.205 χ^2 /NDF: 0.5/2

Right Out: 0.064 $\pm$ 0.055 χ^2 /NDF: 22.2/18

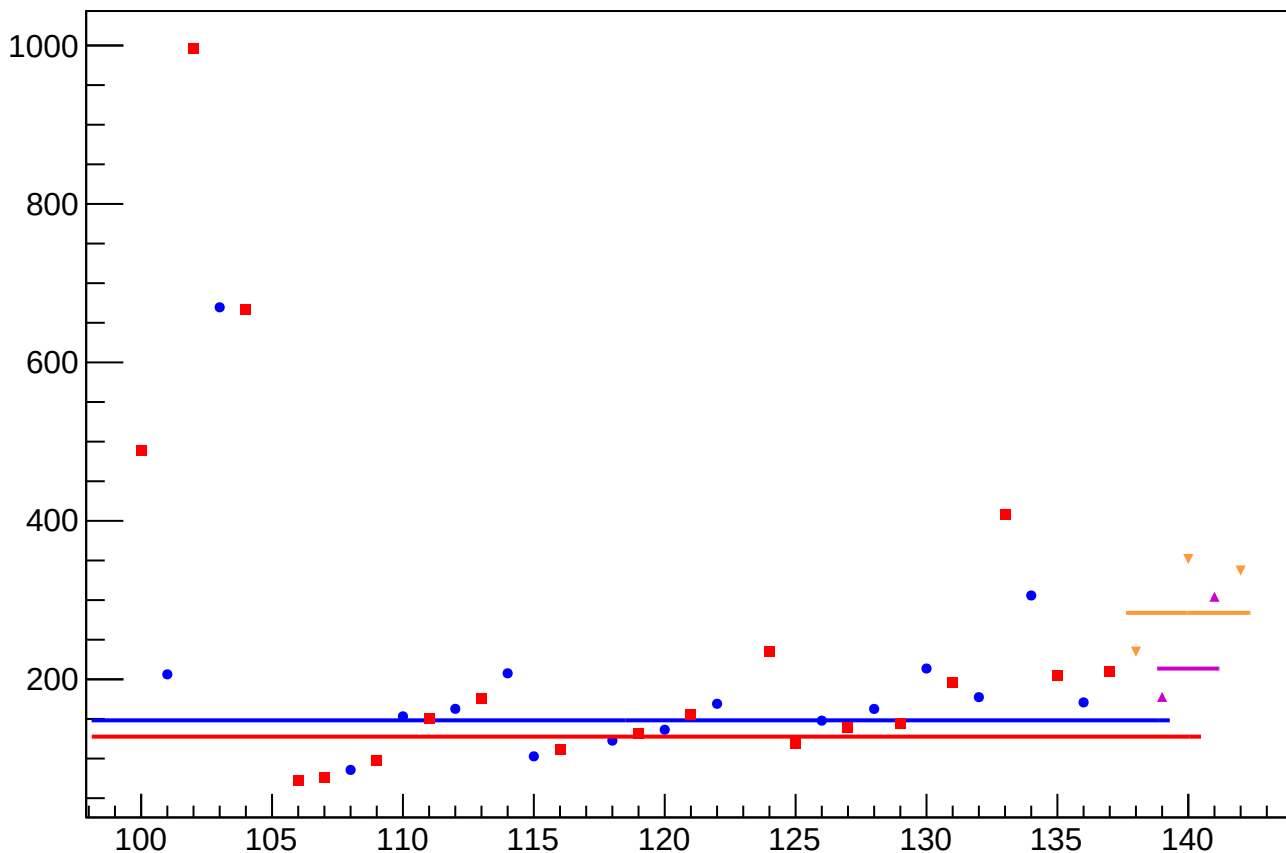
Left In: -0.301 $\pm$ 0.173 χ^2 /NDF: 4.1/1

+ sign 0.013 $\pm$ 0.058 χ^2 /NDF: 13.2/18

All: 0.023 $\pm$ 0.039 χ^2 /NDF: 43.7/39

- sign 0.031 $\pm$ 0.052 χ^2 /NDF: 30.4/20

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: 283.888 $\pm$ 0.145 χ^2 /NDF:147371.3/2

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841772.5/18

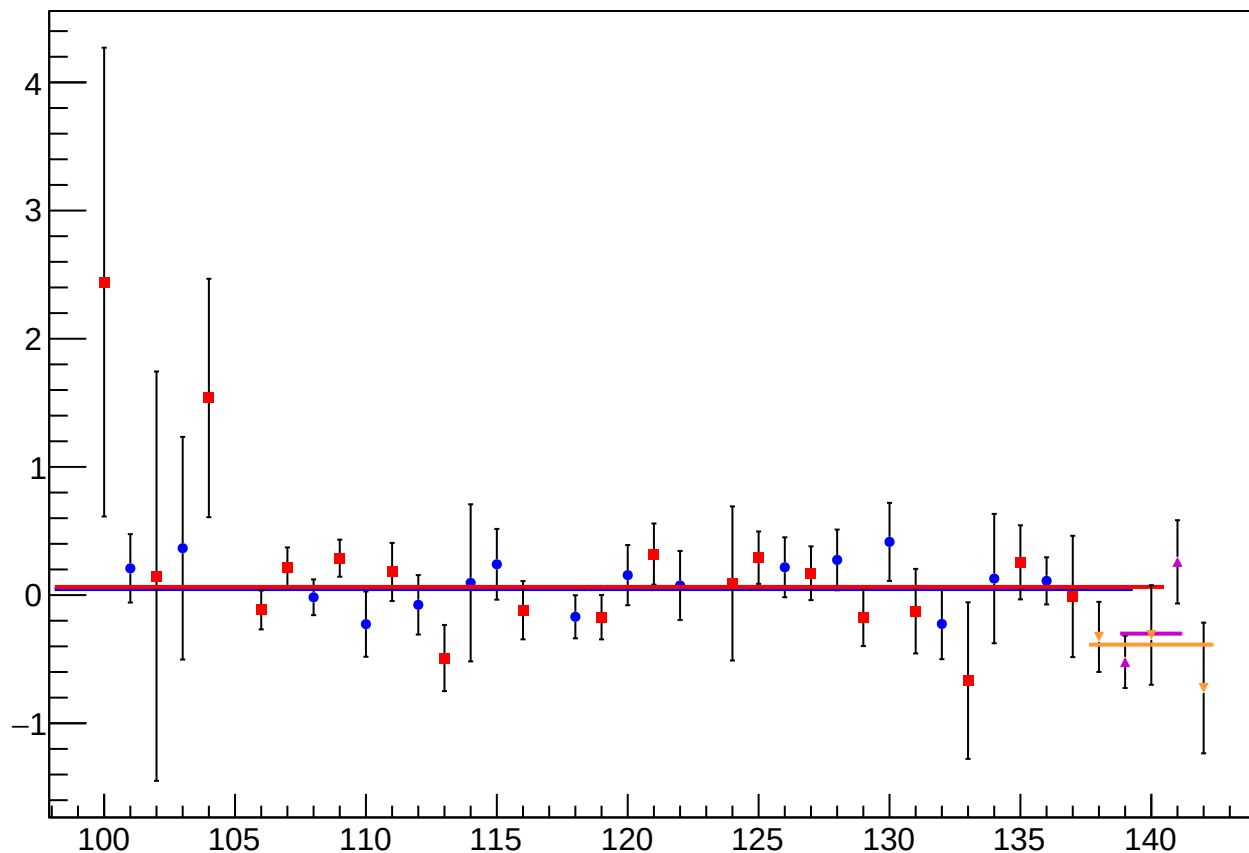
Left In: 213.567 $\pm$ 0.122 χ^2 /NDF:217362.6/1

+ sign 158.974 $\pm$ 0.041 χ^2 /NDF: 2665803.7/18

All: 146.069 $\pm$ 0.027 χ^2 /NDF: 6356873.4/39

- sign 135.504 $\pm$ 0.037 χ^2 /NDF: 3508509.9/20

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047 $\pm$ 0.060 χ^2 /NDF: 8.6/15

Left Out: -0.386 $\pm$ 0.205 χ^2 /NDF: 0.5/2

Right Out: 0.064 $\pm$ 0.055 χ^2 /NDF: 22.2/18

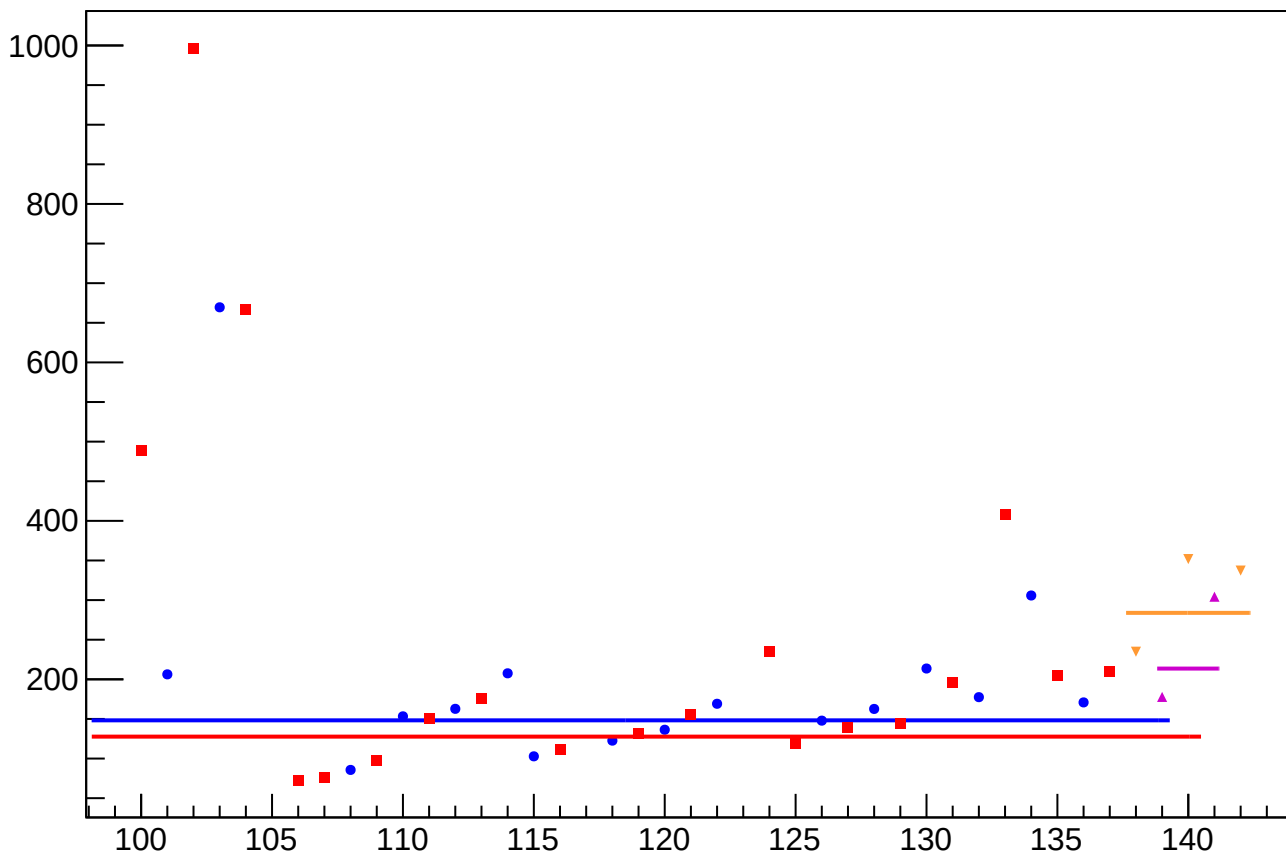
Left In: -0.301 $\pm$ 0.173 χ^2 /NDF: 4.1/1

+ sign 0.013 $\pm$ 0.058 χ^2 /NDF: 13.2/18

All: 0.023 $\pm$ 0.039 χ^2 /NDF: 43.7/39

- sign 0.031 $\pm$ 0.052 χ^2 /NDF: 30.4/20

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: 283.888 $\pm$ 0.145 χ^2 /NDF:147371.3/2

+ sign 158.974 $\pm$ 0.041 χ^2 /NDF: 2665803.7/18

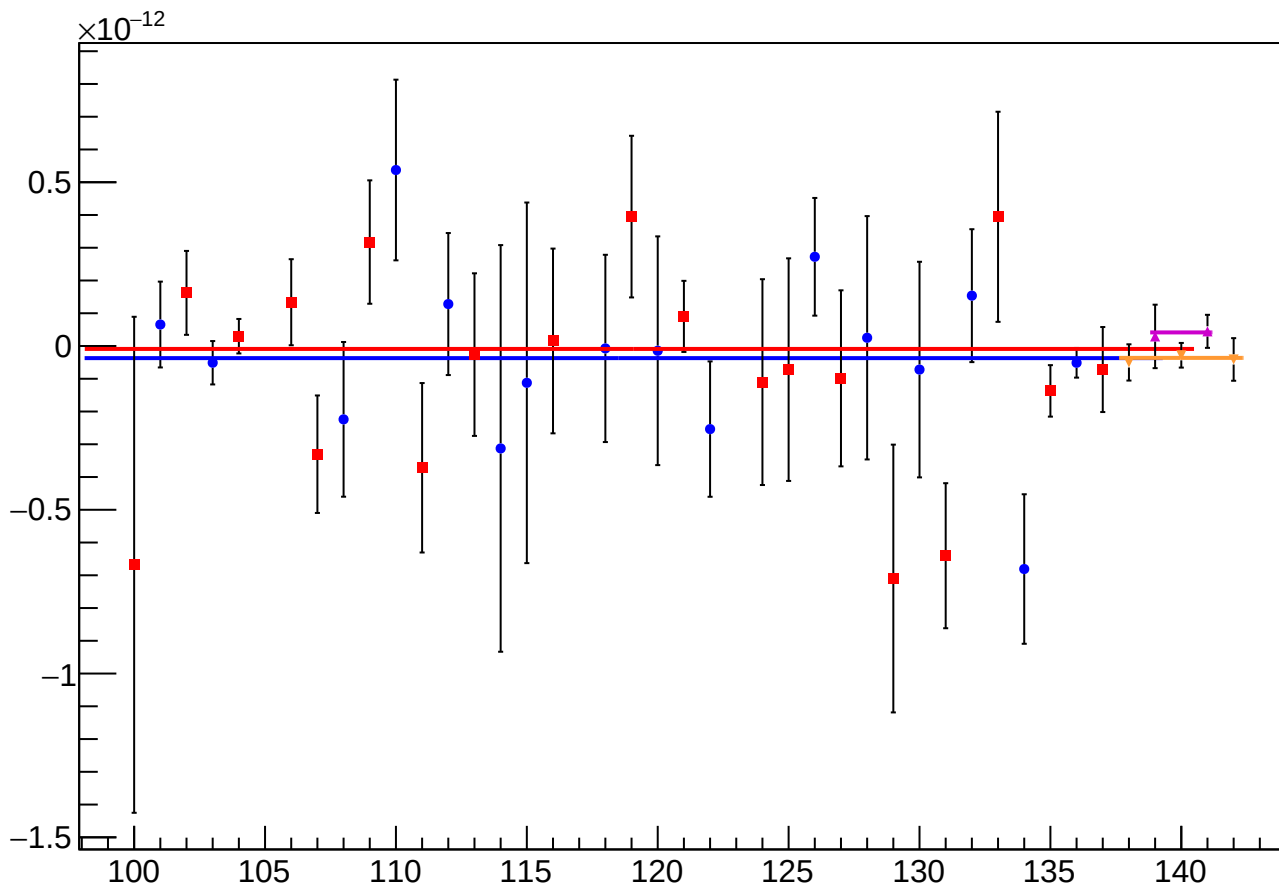
Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841772.5/18

All: 146.069 $\pm$ 0.027 χ^2 /NDF: 6356873.4/39

- sign 135.504 $\pm$ 0.037 χ^2 /NDF: 3508509.9/20

Left In: 213.567 $\pm$ 0.122 χ^2 /NDF:217362.6/1

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 : 0.1/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 31.8/18

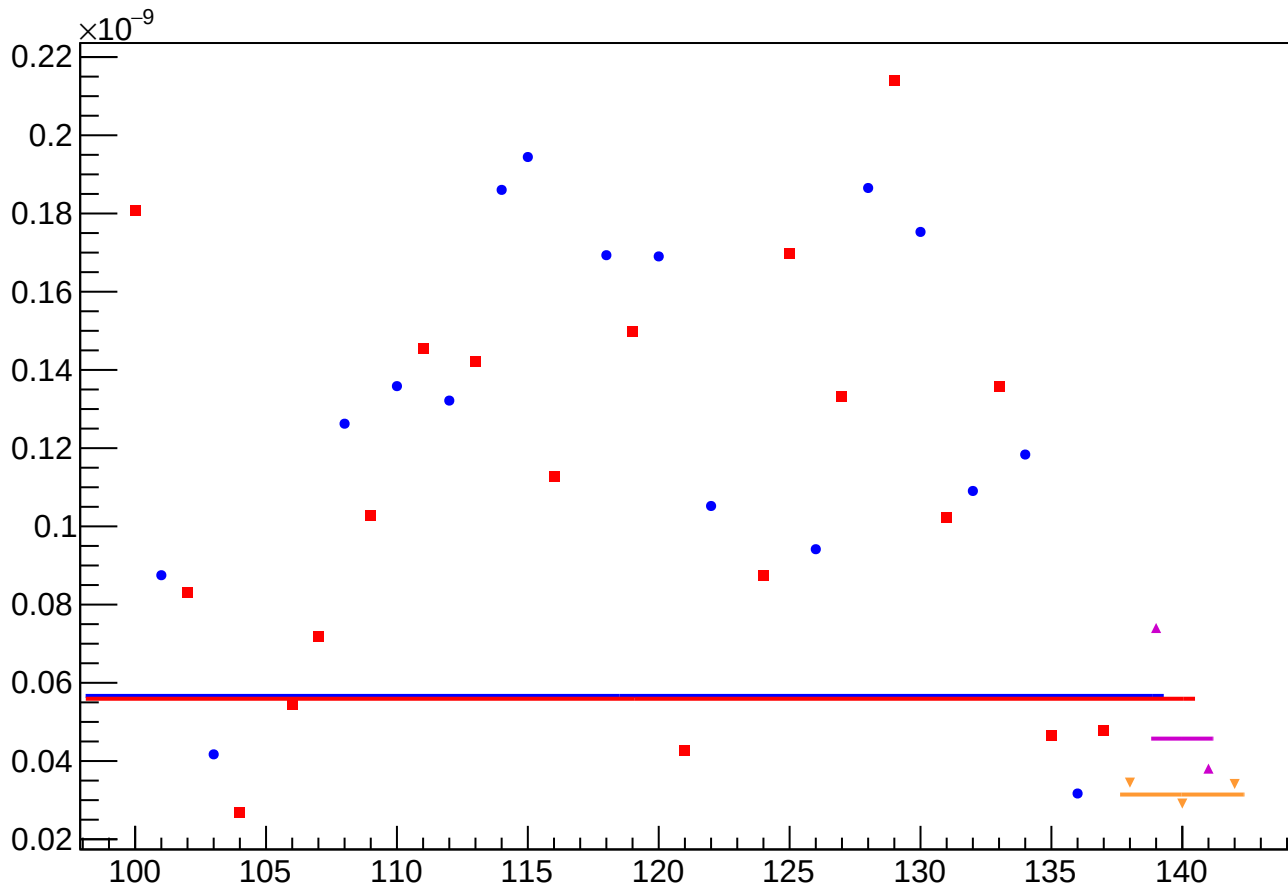
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 19.6/18

All: -0.000 ± 0.000 χ^2/NDF : 54.0/39

- sign 0.000 ± 0.000 χ^2/NDF : 32.6/20

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 :17024.5/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2732977.9/18

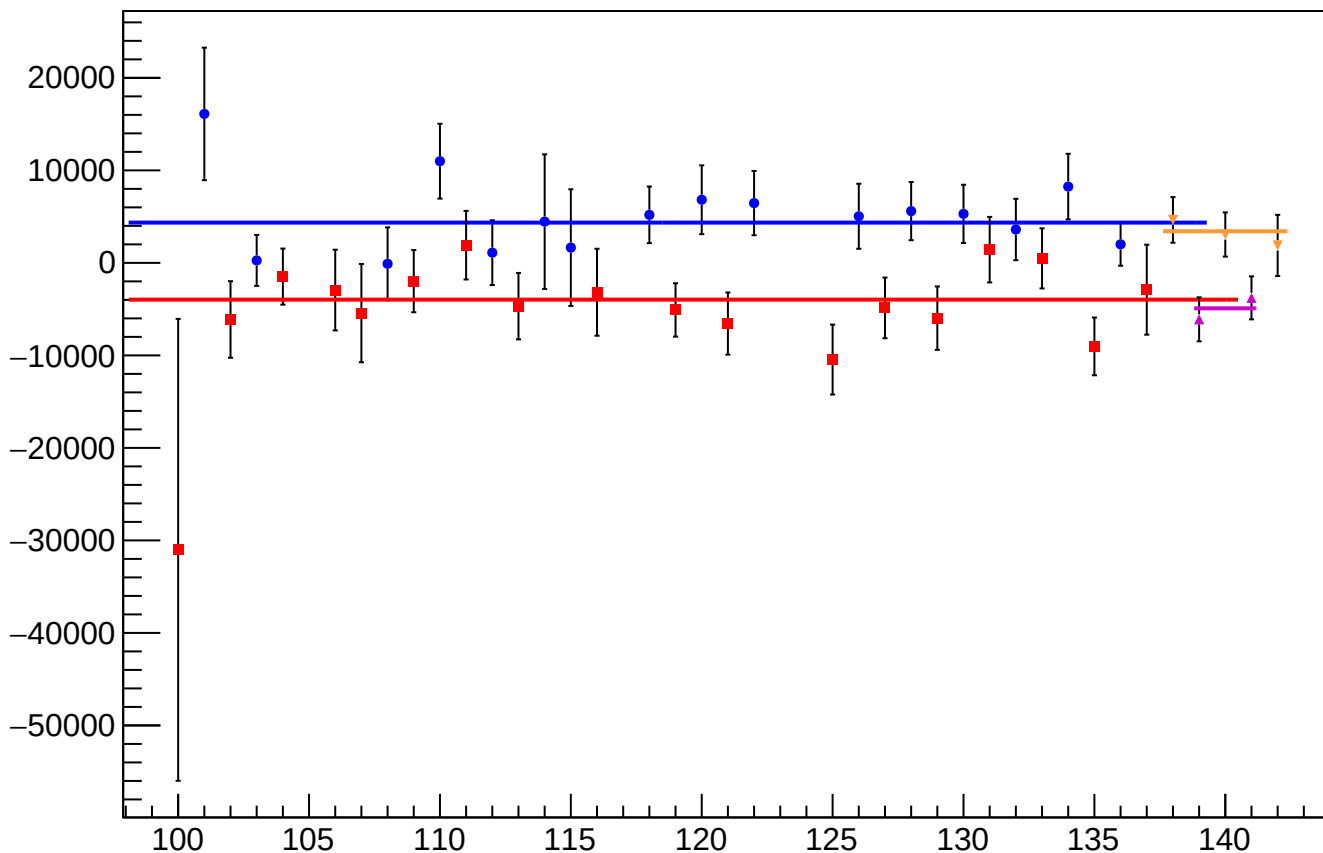
Left In: 0.000+/-0.000 χ^2/NDF :216583.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3828321.6/18

All: 0.000+/-0.000 χ^2/NDF : 7029160.0/39

- sign 0.000+/-0.000 χ^2/NDF : 3018231.9/20

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350 $\pm$ 875.155 χ^2/NDF : 13.4/15

Left Out: 3417.963 $\pm$ 1522.613 χ^2/NDF : 0.5/2

Right Out: -3971.679 $\pm$ 871.305 χ^2/NDF : 16.2/17

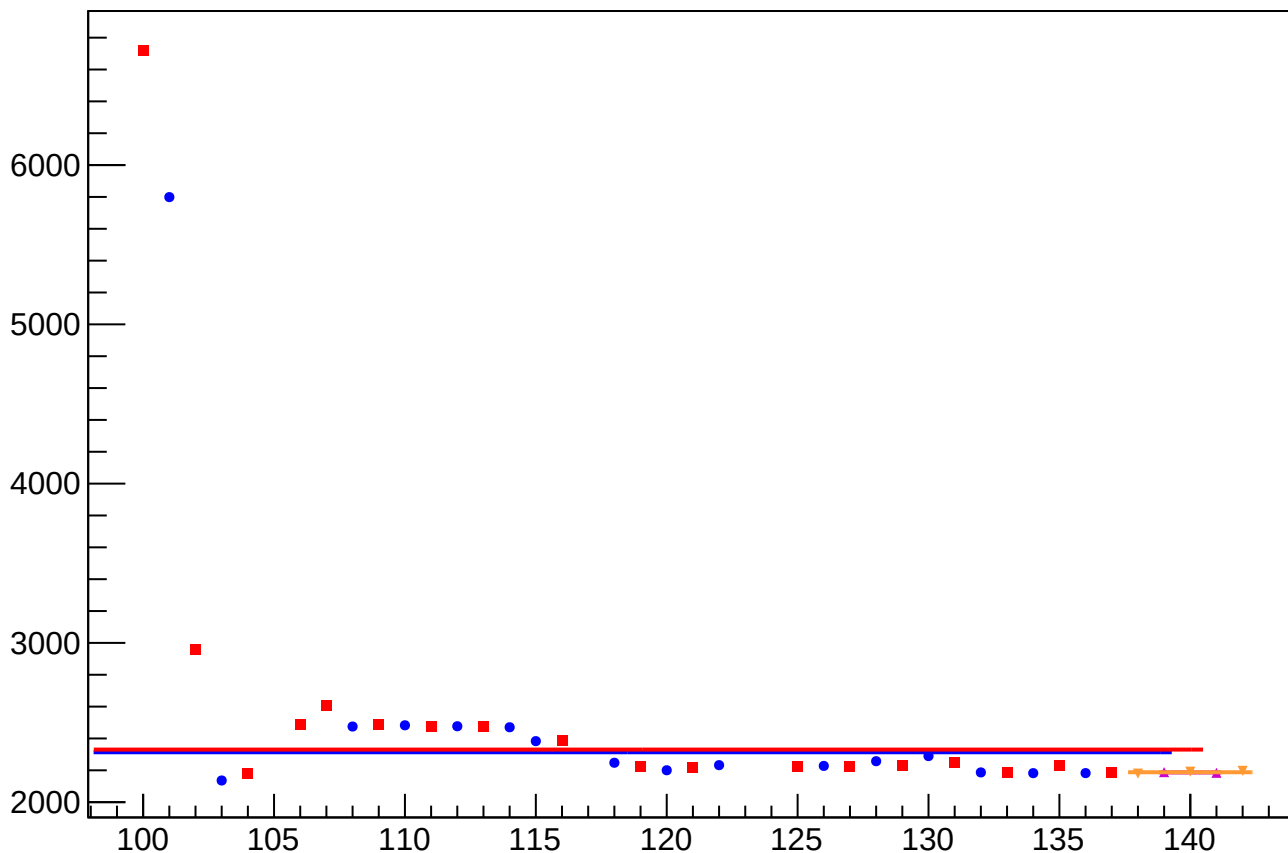
Left In: -4913.579 $\pm$ 1661.827 χ^2/NDF : 0.5/1

+ sign 4121.821 $\pm$ 758.752 χ^2/NDF : 14.1/18

All: 43.558 $\pm$ 541.029 χ^2/NDF : 89.8/38

- sign -4174.774 $\pm$ 771.672 χ^2/NDF : 16.9/19

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF : 512371.8/15

Left Out: 2187.865+/-1.077 χ^2/NDF : 42.5/2

Right Out: 2330.200+/-0.616 χ^2/NDF : 151210.5/17

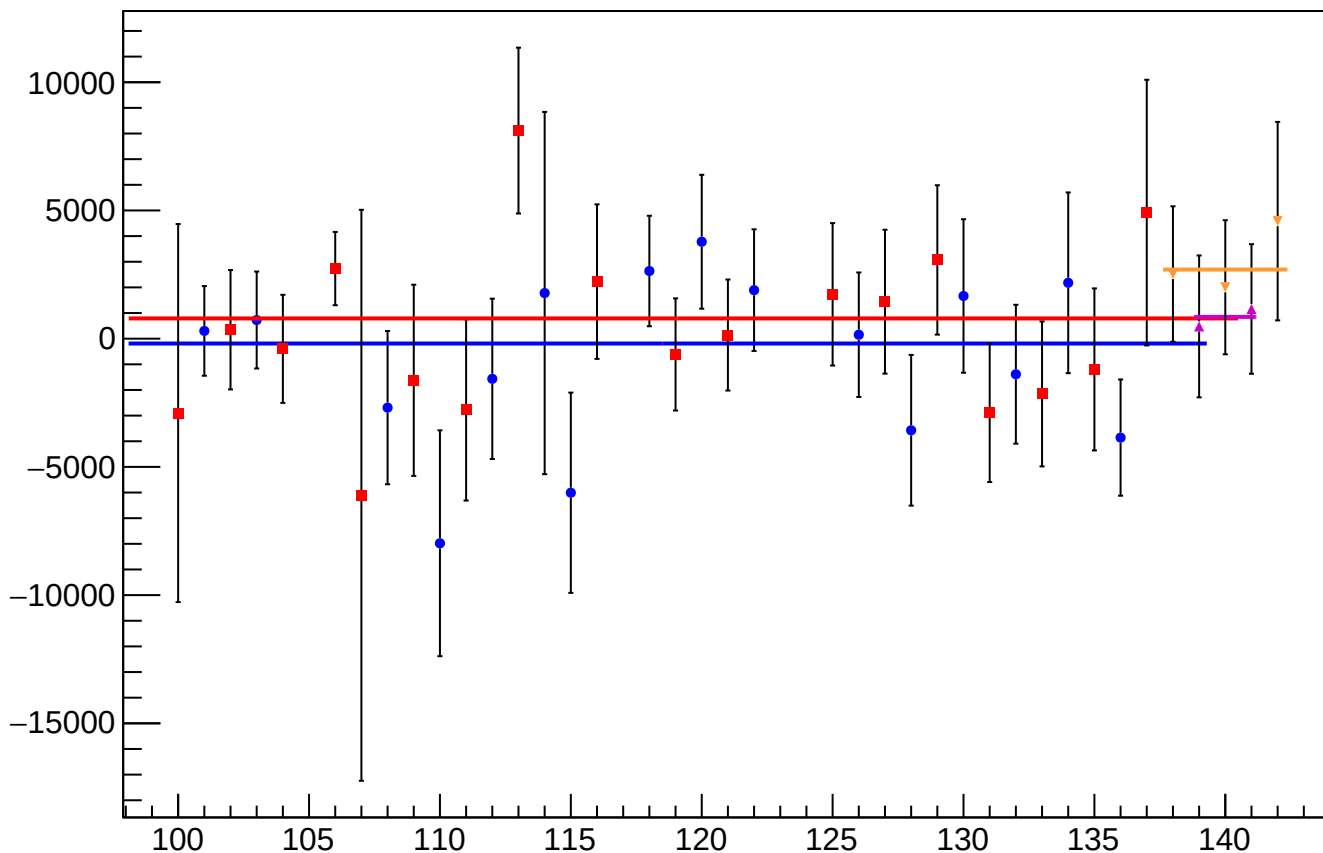
Left In: 2186.585+/-1.175 χ^2/NDF : 2.9/1

+ sign 2282.236+/-0.537 χ^2/NDF : 522635.5/18

All: 2290.592+/-0.383 χ^2/NDF : 686058.5/38

- sign 2299.234+/-0.546 χ^2/NDF : 162929.6/19

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug



Right In: -188.660+/-658.334 χ^2/NDF : 16.4/15

Left Out: 2695.807+/-1674.922 χ^2/NDF : 0.3/2

Right Out: 789.317+/-634.900 χ^2/NDF : 14.9/17

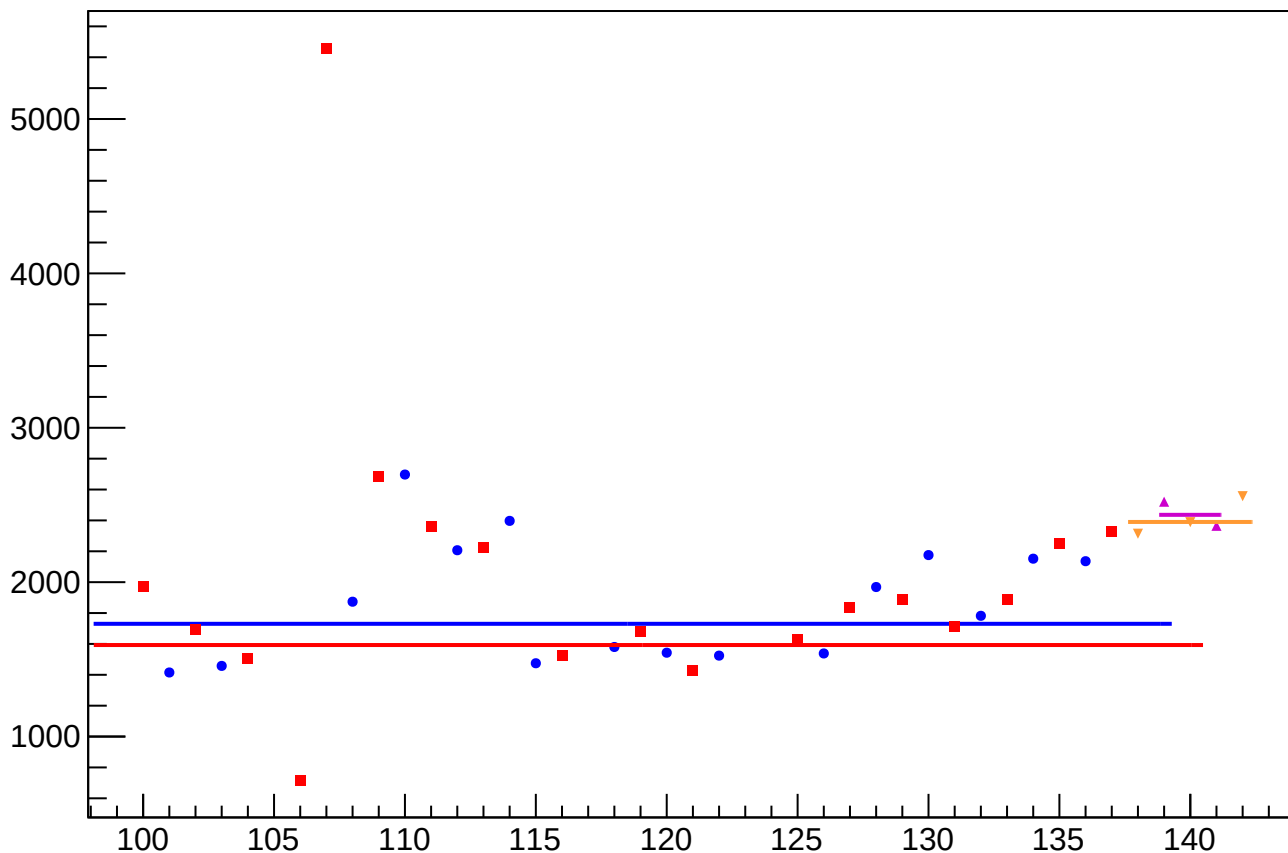
Left In: 849.306+/-1865.800 χ^2/NDF : 0.0/1

+ sign 197.333+/-612.704 χ^2/NDF : 19.3/18

All: 502.179+/-429.069 χ^2/NDF : 34.7/38

- sign 795.543+/-601.054 χ^2/NDF : 14.9/19

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: 2390.003+/-1.184 χ^2/NDF : 5381.6/2

Right Out: 1592.824+/-0.449 χ^2/NDF : 1556204.8/17

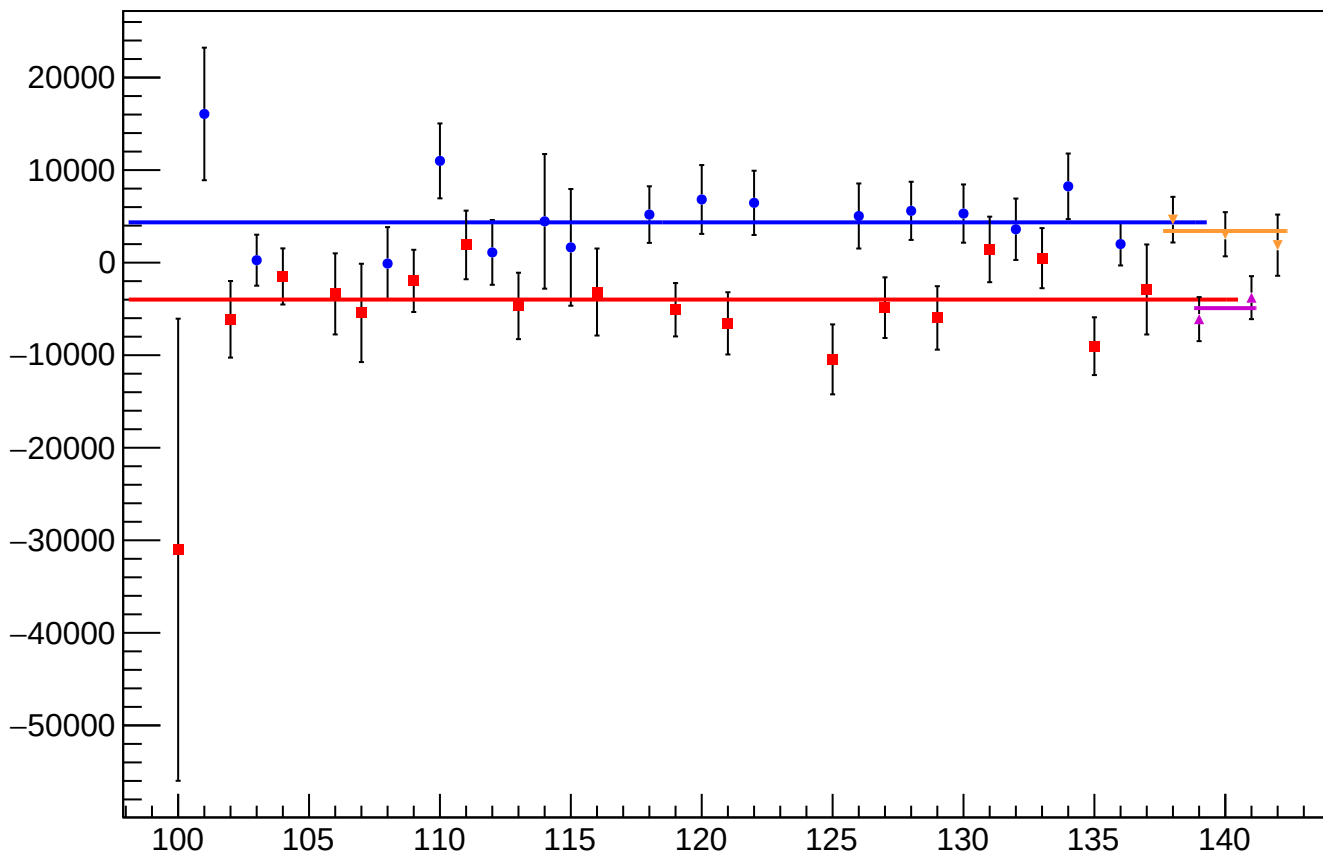
Left In: 2436.140+/-1.319 χ^2/NDF : 3471.0/1

+ sign 1818.569+/-0.433 χ^2/NDF : 753072.7/18

All: 1748.128+/-0.303 χ^2/NDF : 2730804.9/38

- sign 1680.340+/-0.425 χ^2/NDF : 1925857.8/19

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: 3418.006 $\pm$ 1522.613 χ^2 /NDF: 0.5/2

Right Out: -3989.884 $\pm$ 871.455 χ^2 /NDF: 16.1/17

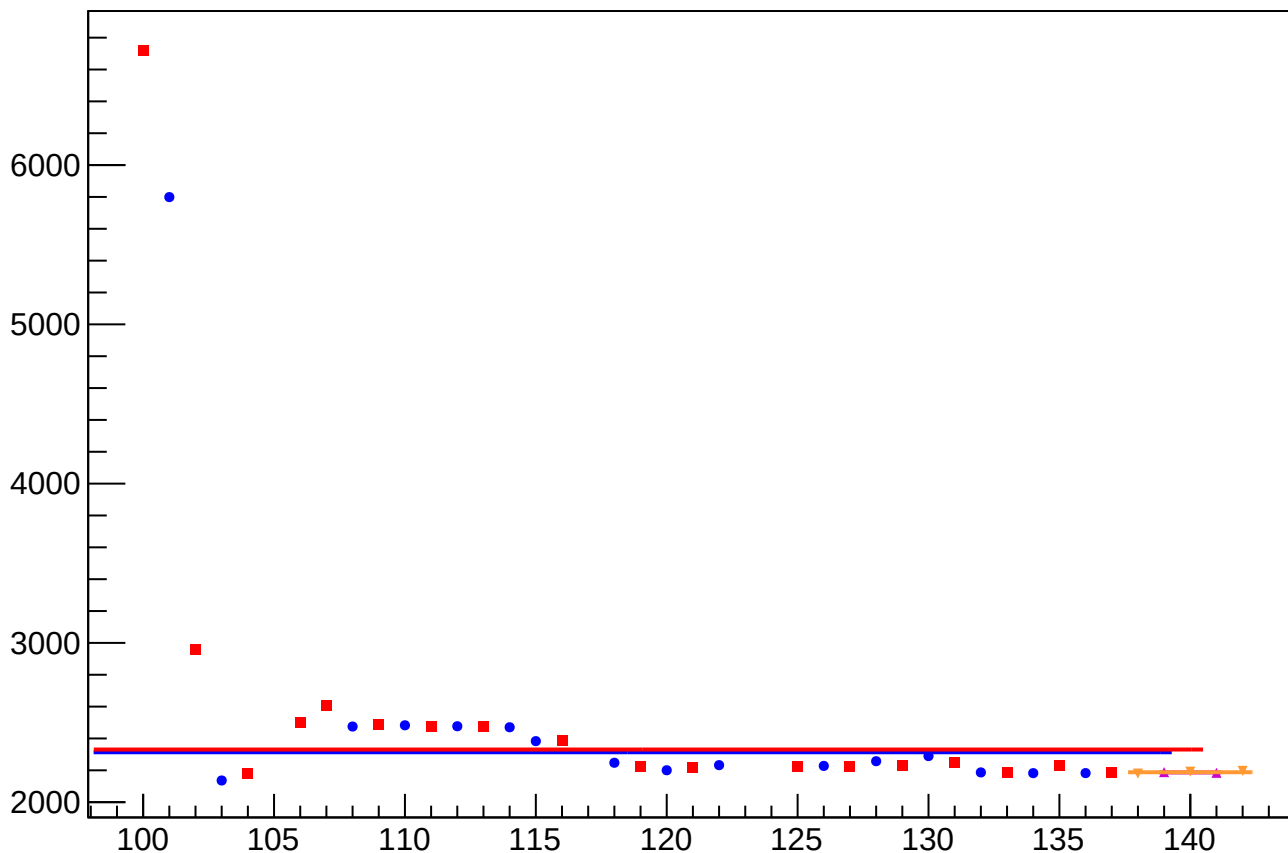
Left In: -4914.143 $\pm$ 1661.827 χ^2 /NDF: 0.5/1

+ sign 4121.321 $\pm$ 758.752 χ^2 /NDF: 14.1/18

All: 36.760 $\pm$ 541.065 χ^2 /NDF: 89.9/38

- sign -4189.229 $\pm$ 771.776 χ^2 /NDF: 16.9/19

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF : 512372.3/15

Left Out: 2187.865+/-1.077 χ^2/NDF : 42.5/2

Right Out: 2330.570+/-0.616 χ^2/NDF : 151556.6/17

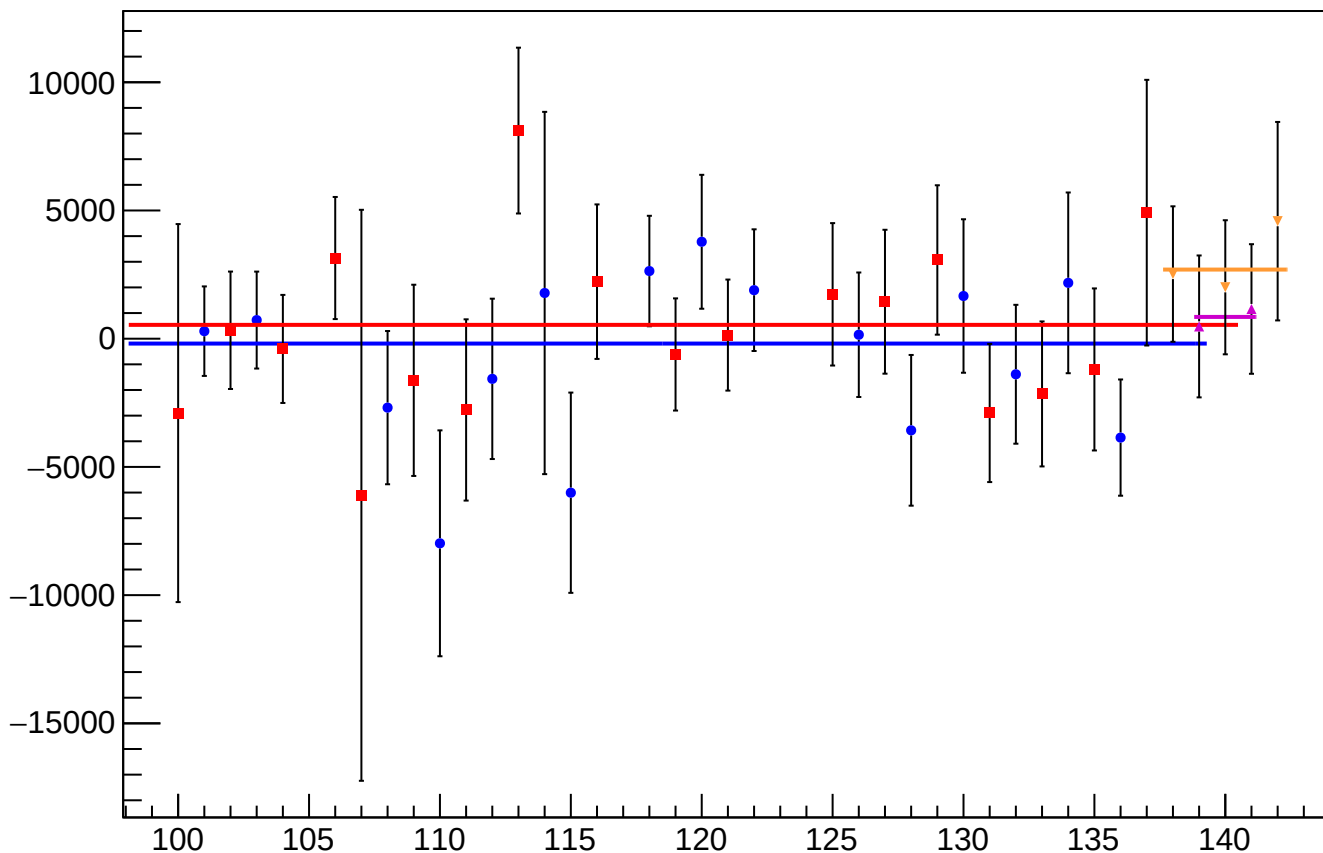
Left In: 2186.585+/-1.175 χ^2/NDF : 2.9/1

+ sign 2282.236+/-0.537 χ^2/NDF : 522636.0/18

All: 2290.729+/-0.383 χ^2/NDF : 686480.9/38

- sign 2299.515+/-0.546 χ^2/NDF : 163335.1/19

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug



Right In: -189.762 $\pm$ 658.205 χ^2 /NDF: 16.4/15

Left Out: 2695.810 $\pm$ 1674.916 χ^2 /NDF: 0.3/2

Right Out: 539.517 $\pm$ 678.214 χ^2 /NDF: 13.9/17

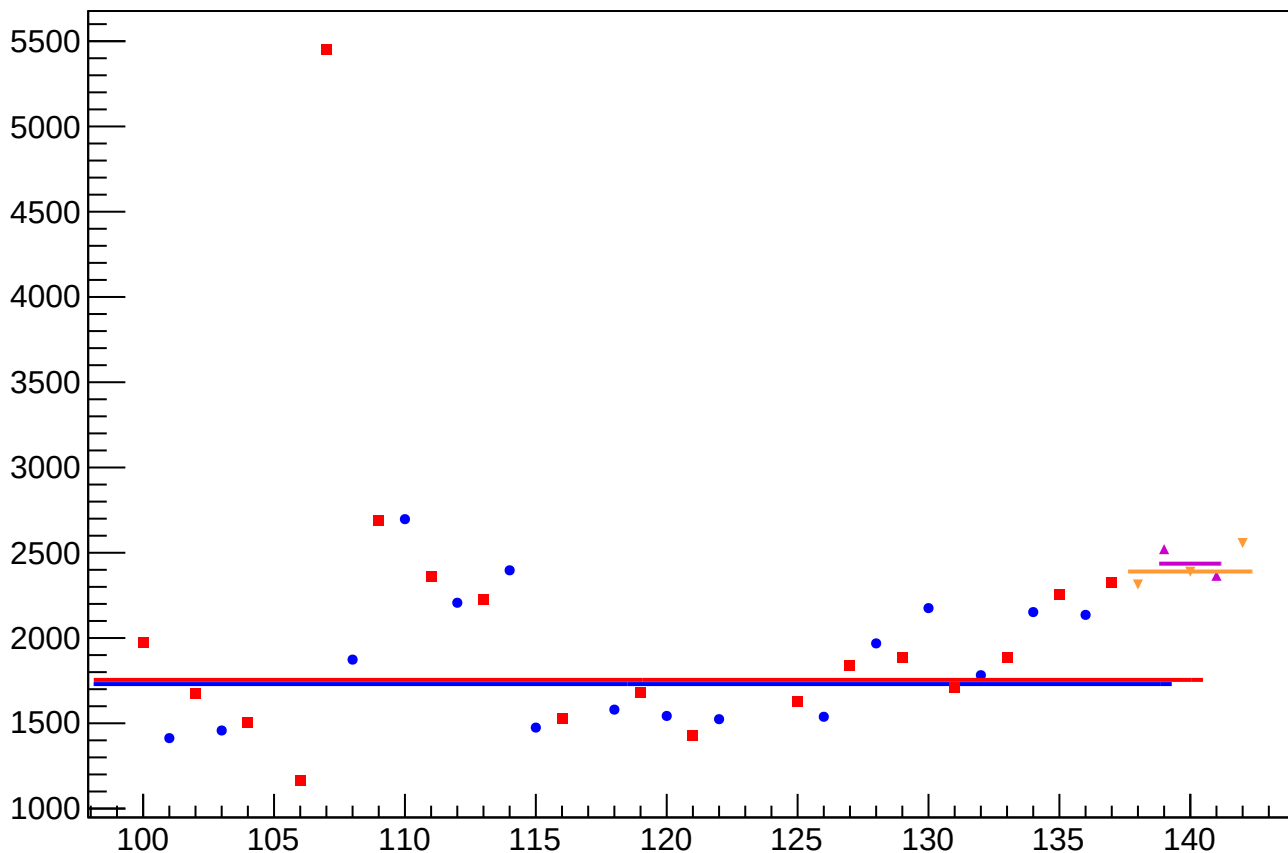
Left In: 849.383 $\pm$ 1865.803 χ^2 /NDF: 0.0/1

+ sign 196.249 $\pm$ 612.600 χ^2 /NDF: 19.3/18

All: 378.437 $\pm$ 441.684 χ^2 /NDF: 33.5/38

- sign 575.681 $\pm$ 637.410 χ^2 /NDF: 14.0/19

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: 2389.994+/-1.184 χ^2/NDF : 5380.2/2

Right Out: 1754.526+/-0.480 χ^2/NDF : 751010.0/17

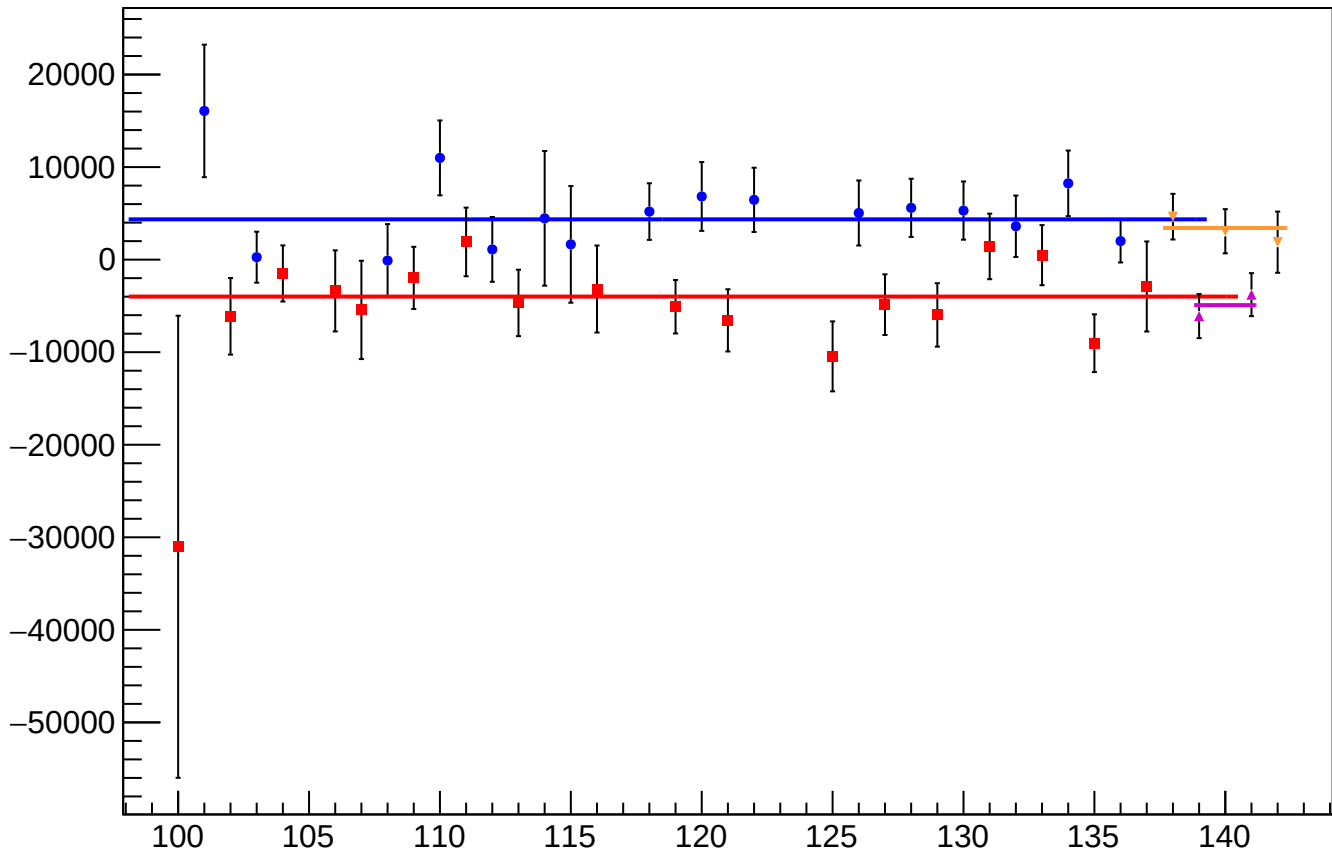
Left In: 2436.142+/-1.319 χ^2/NDF : 3472.2/1

+ sign 1818.201+/-0.433 χ^2/NDF : 754363.3/18

All: 1825.824+/-0.312 χ^2/NDF : 1745256.2/38

- sign 1834.077+/-0.451 χ^2/NDF : 990247.9/19

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: 3418.006 $\pm$ 1522.613 χ^2/NDF : 0.5/2

Right Out: -3989.884 $\pm$ 871.455 χ^2/NDF : 16.1/17

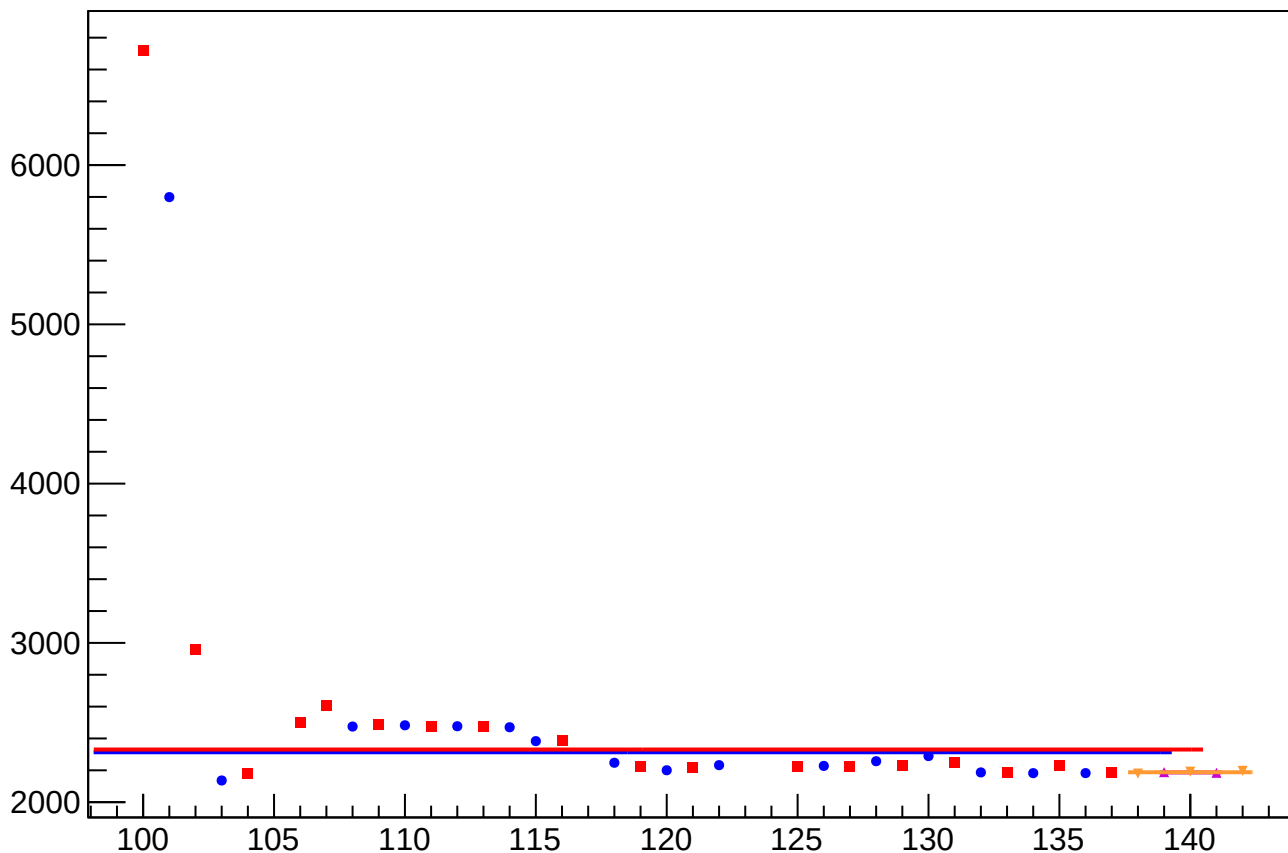
Left In: -4914.143 $\pm$ 1661.827 χ^2/NDF : 0.5/1

+ sign 4121.321 $\pm$ 758.752 χ^2/NDF : 14.1/18

All: 36.760 $\pm$ 541.065 χ^2/NDF : 89.9/38

- sign -4189.229 $\pm$ 771.776 χ^2/NDF : 16.9/19

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF : 512372.3/15

Left Out: 2187.865+/-1.077 χ^2/NDF : 42.5/2

Right Out: 2330.570+/-0.616 χ^2/NDF : 151556.6/17

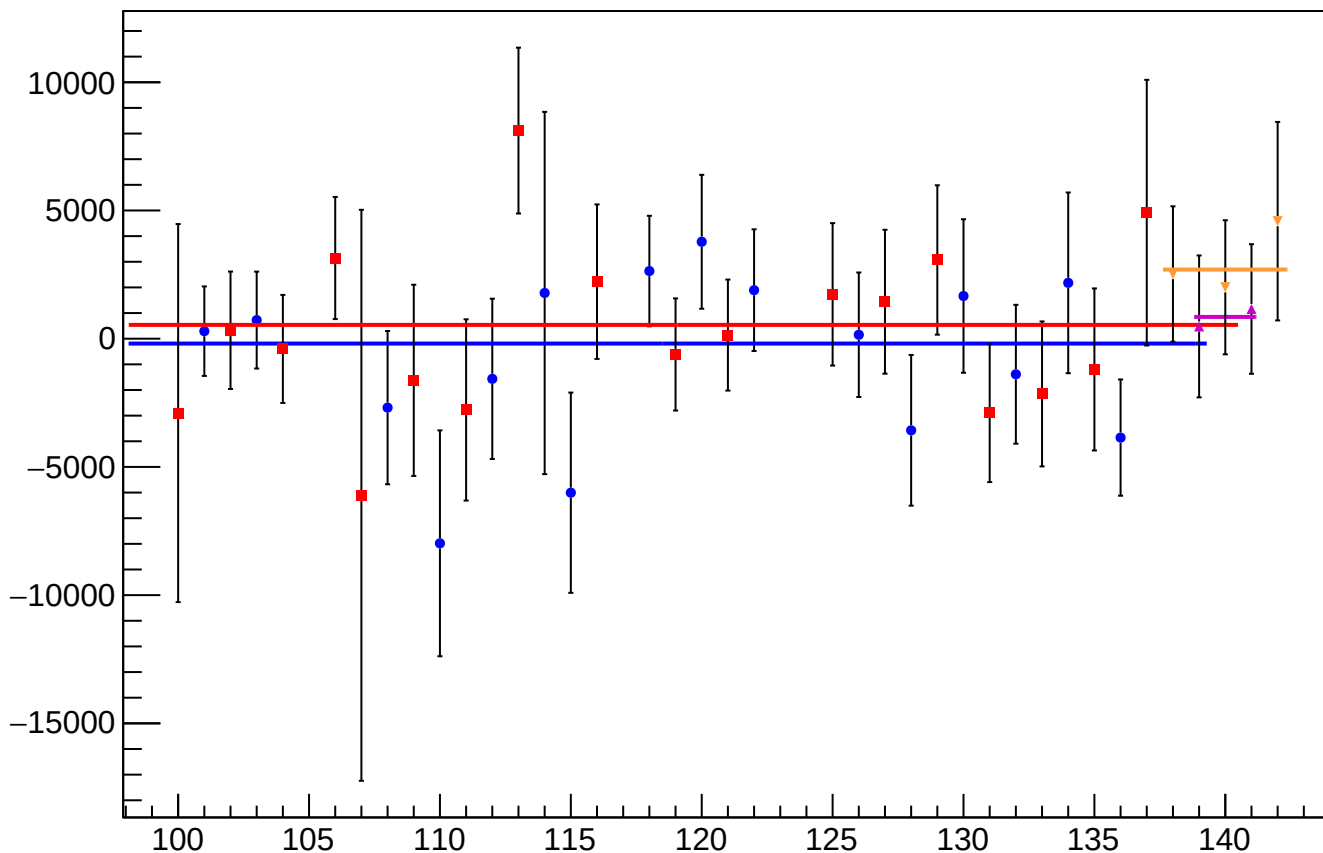
Left In: 2186.585+/-1.175 χ^2/NDF : 2.9/1

+ sign 2282.236+/-0.537 χ^2/NDF : 522636.0/18

All: 2290.729+/-0.383 χ^2/NDF : 686480.9/38

- sign 2299.515+/-0.546 χ^2/NDF : 163335.1/19

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -189.762 ± 658.205 $\chi^2/\text{NDF}: 16.4/15$

Left Out: 2695.810 ± 1674.916 $\chi^2/\text{NDF}: 0.3/2$

Right Out: 539.517 ± 678.214 $\chi^2/\text{NDF}: 13.9/17$

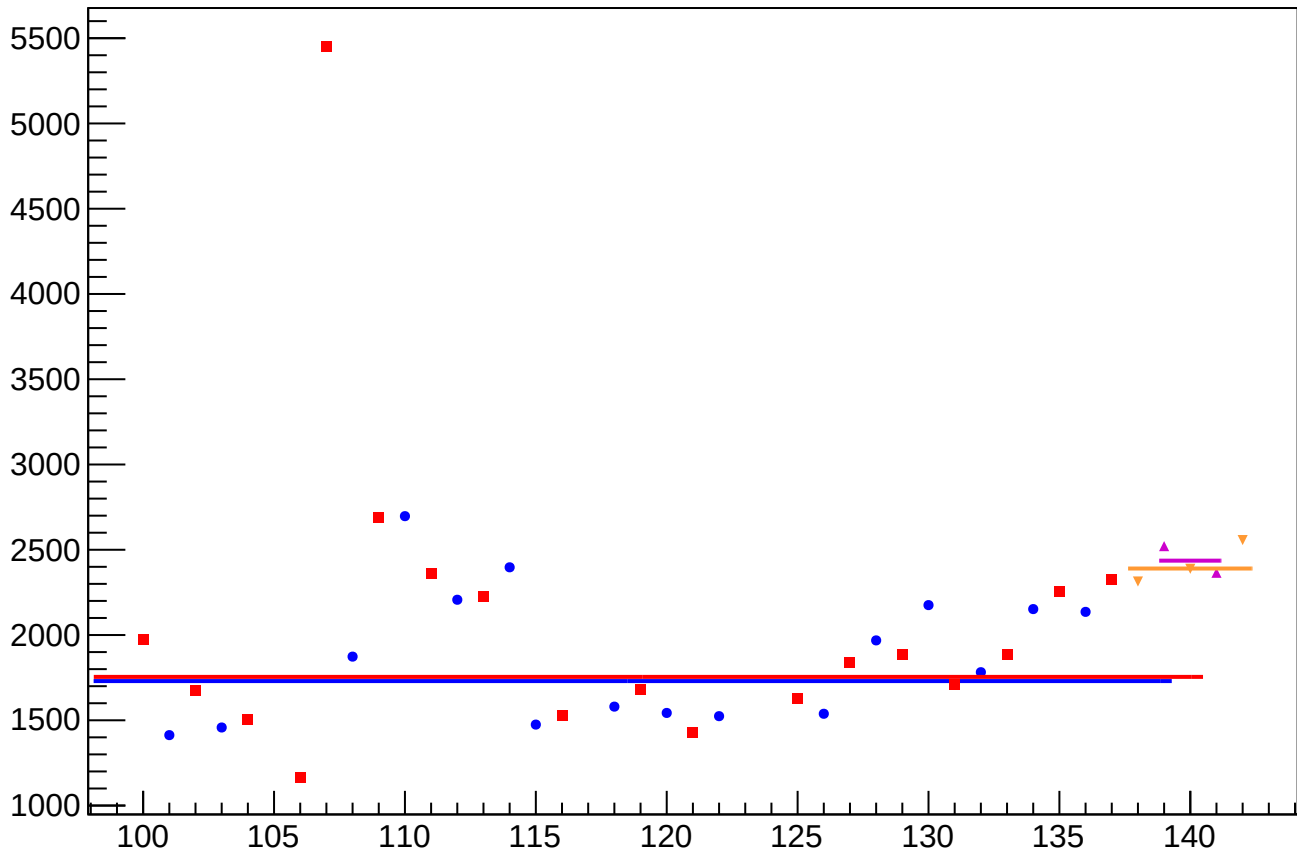
Left In: 849.383 ± 1865.803 $\chi^2/\text{NDF}: 0.0/1$

+ sign 196.249 ± 612.600 $\chi^2/\text{NDF}: 19.3/18$

All: 378.437 ± 441.684 $\chi^2/\text{NDF}: 33.5/38$

- sign 575.681 ± 637.410 $\chi^2/\text{NDF}: 14.0/19$

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: 2389.994+/-1.184 χ^2/NDF : 5380.2/2

Right Out: 1754.526+/-0.480 χ^2/NDF : 751010.0/17

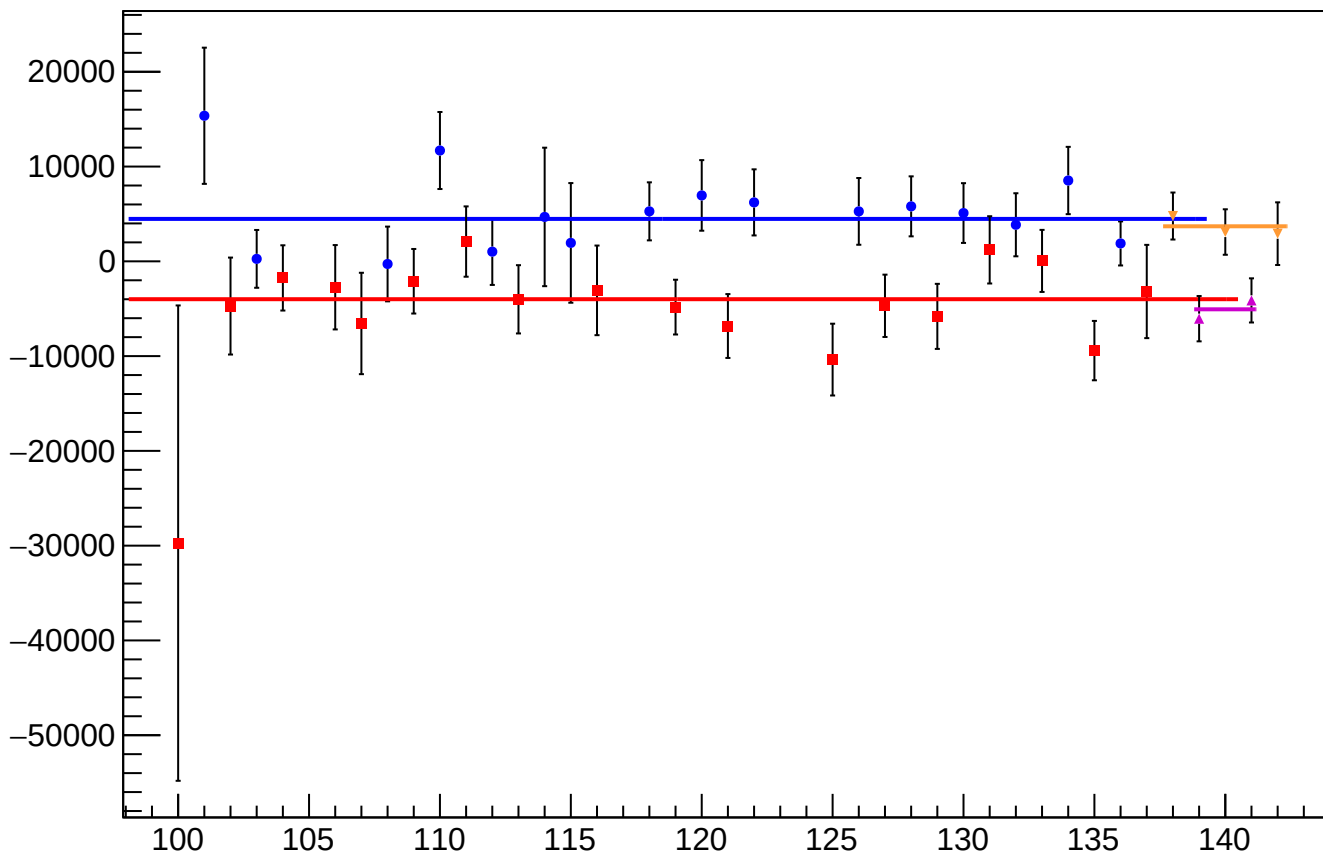
Left In: 2436.142+/-1.319 χ^2/NDF : 3472.2/1

+ sign 1818.201+/-0.433 χ^2/NDF : 754363.3/18

All: 1825.824+/-0.312 χ^2/NDF : 1745256.2/38

- sign 1834.077+/-0.451 χ^2/NDF : 990247.9/19

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF : 13.5/15

Left Out: 3696.761+/-1528.781 χ^2/NDF : 0.3/2

Right Out: -3995.807+/-890.441 χ^2/NDF : 15.5/17

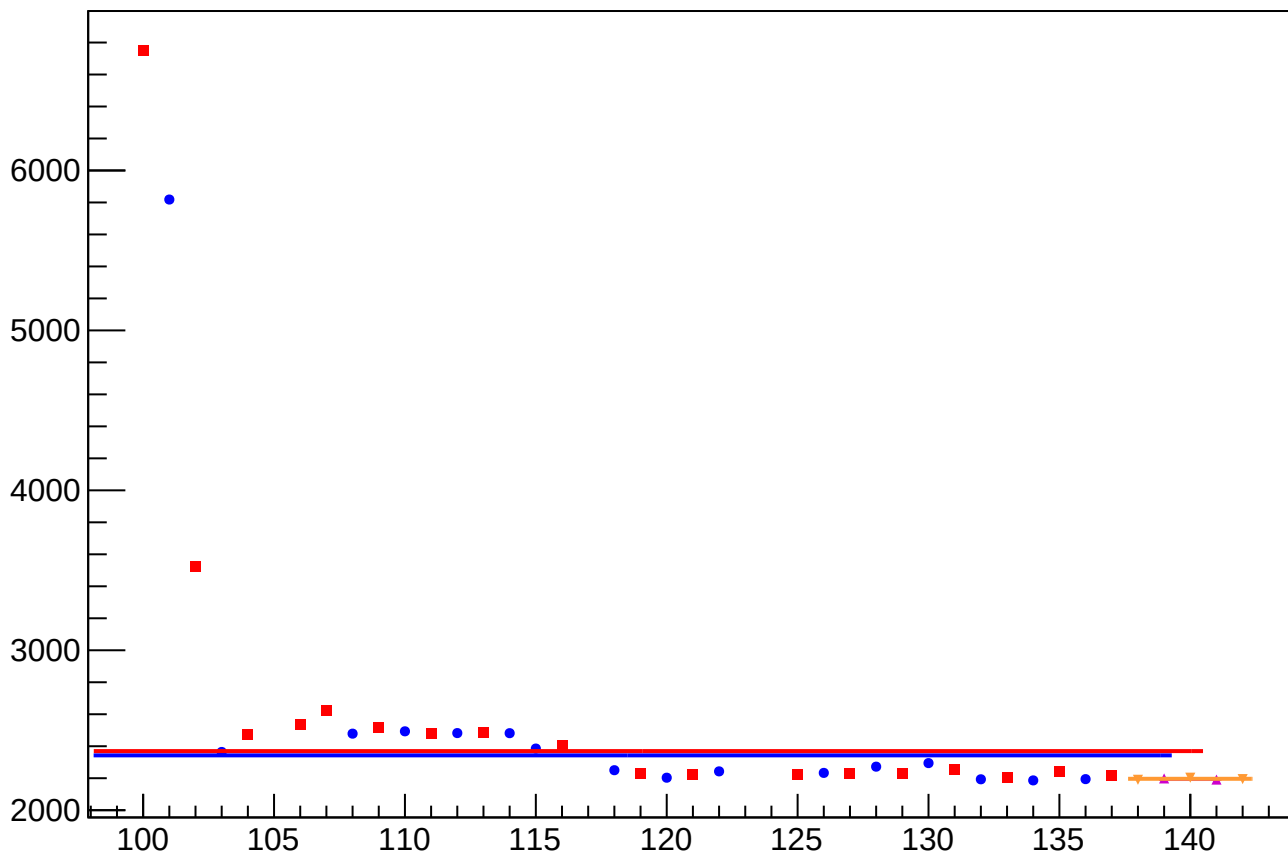
Left In: -5062.663+/-1668.505 χ^2/NDF : 0.3/1

+ sign 4280.372+/-766.625 χ^2/NDF : 14.1/18

All: 127.930+/-548.662 χ^2/NDF : 90.3/38

- sign -4232.302+/-785.571 χ^2/NDF : 16.1/19

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: 2196.327 $\pm$ 1.081 χ^2 /NDF:29.7/2

Right Out: 2369.572 $\pm$ 0.630 χ^2 /NDF: 210147.5/17

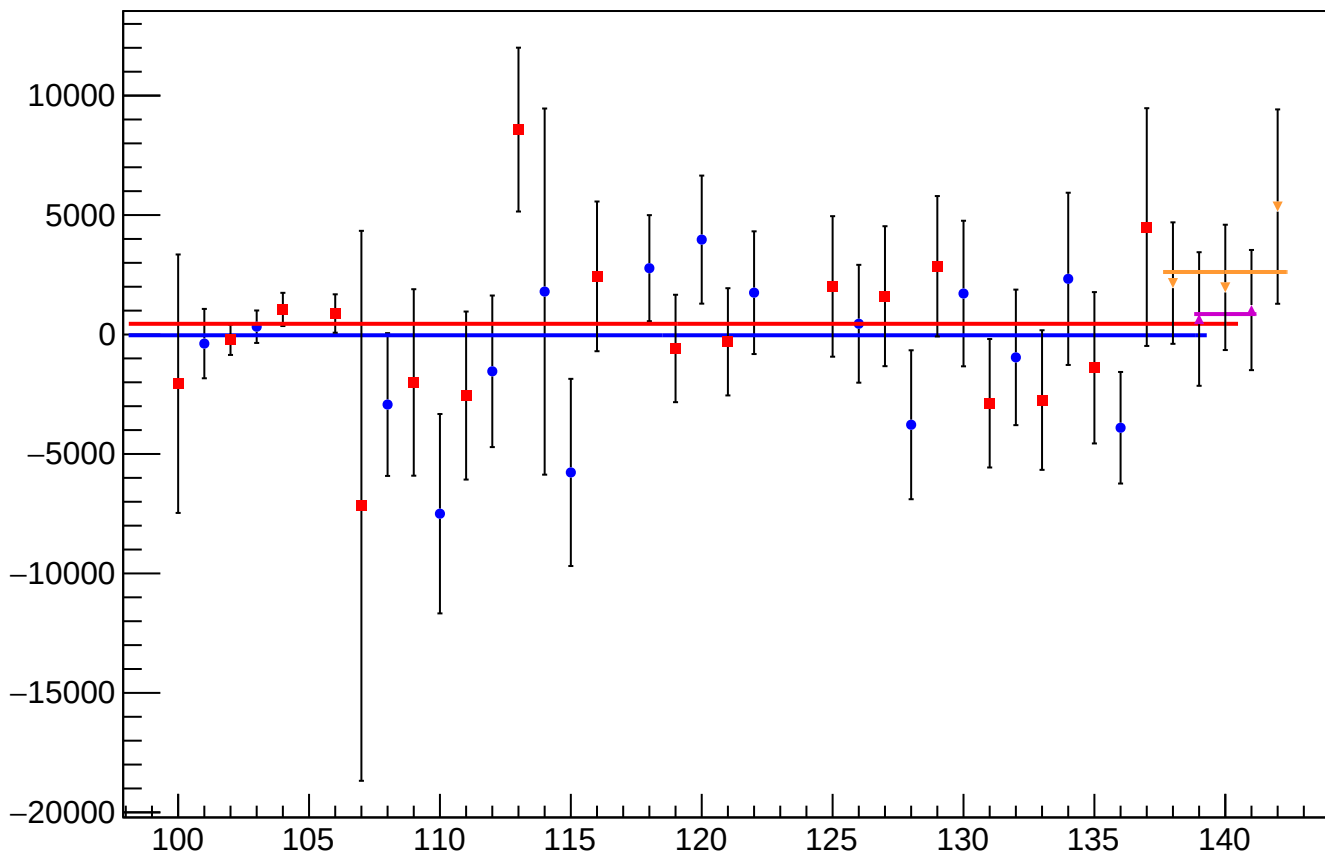
Left In: 2194.994 $\pm$ 1.180 χ^2 /NDF:9.6/1

+ sign 2306.053 $\pm$ 0.542 χ^2 /NDF: 516659.9/18

All: 2318.160 $\pm$ 0.388 χ^2 /NDF: 744881.5/38

- sign 2330.873 $\pm$ 0.555 χ^2 /NDF: 227199.0/19

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug



Right In: -31.393+/-485.329 χ^2/NDF : 16.3/15

Left Out: 2616.717+/-1665.385 χ^2/NDF : 0.5/2

Right Out: 448.261+/-362.570 χ^2/NDF : 15.1/17

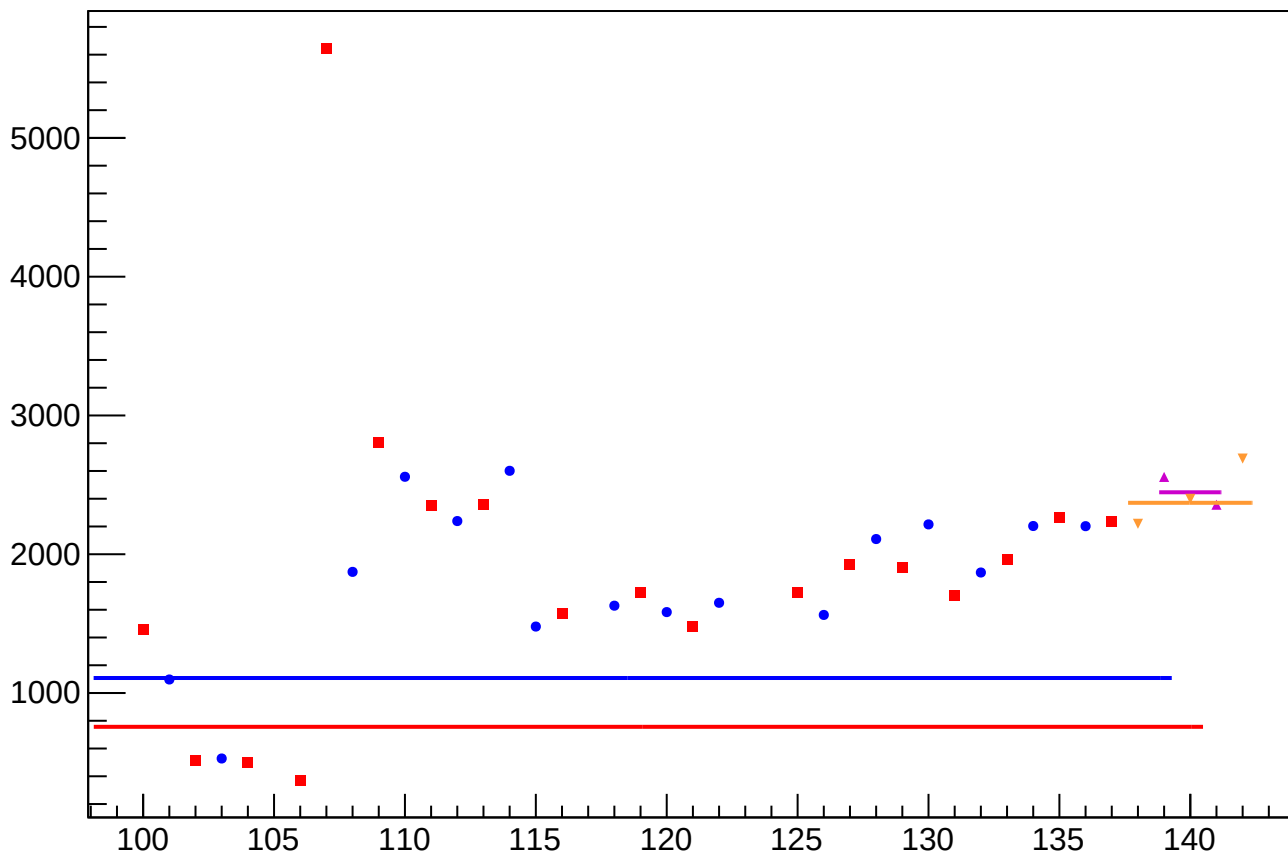
Left In: 856.449+/-1869.678 χ^2/NDF : 0.0/1

+ sign 175.897+/-465.946 χ^2/NDF : 19.2/18

All: 357.235+/-282.852 χ^2/NDF : 34.6/38

- sign 463.055+/-355.939 χ^2/NDF : 15.1/19

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1108.139 $\pm$ 0.343 χ^2/NDF : 3746477.0/15

Left Out: 2370.622 $\pm$ 1.178 χ^2/NDF :19595.7/2

Right Out: 756.419 $\pm$ 0.256 χ^2/NDF : 5603215.5/17

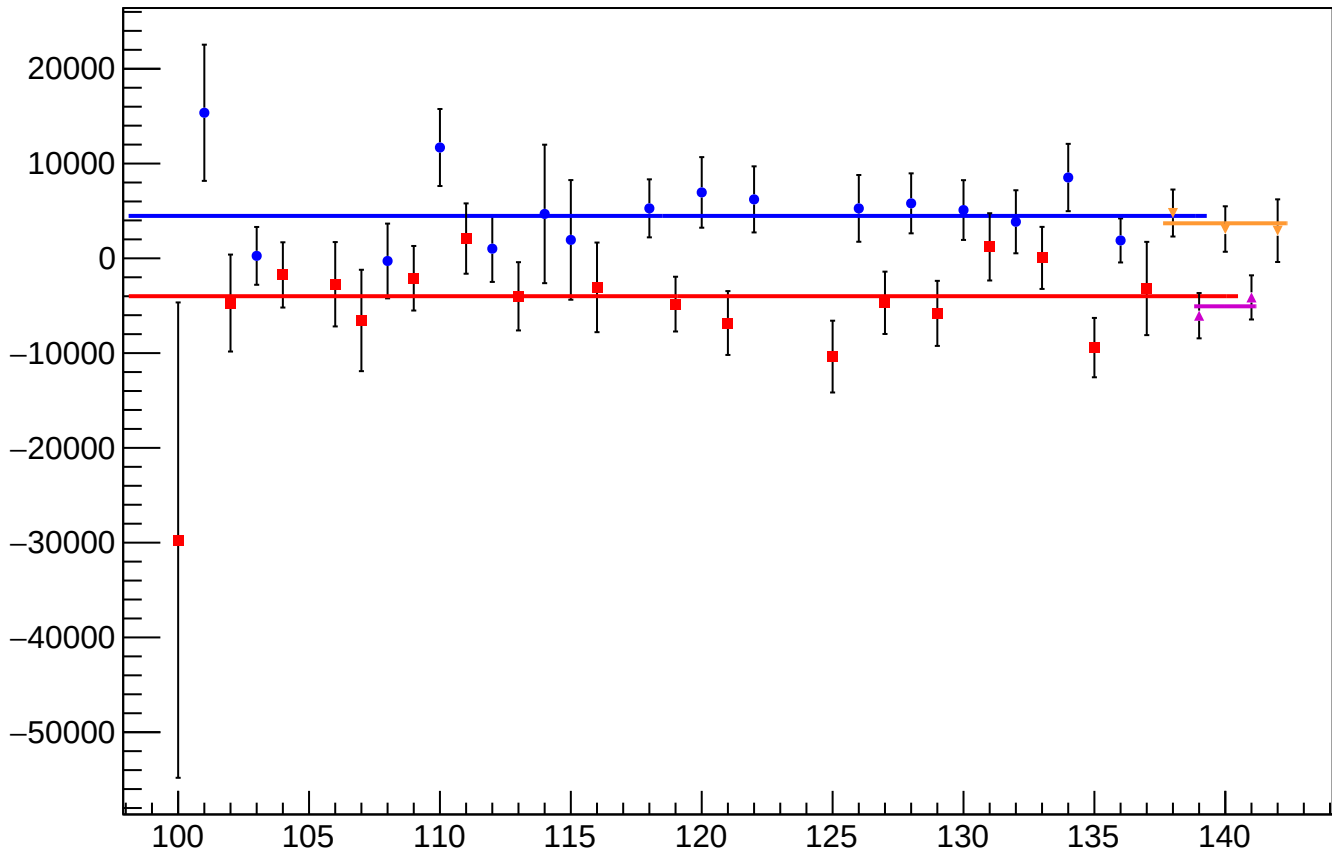
Left In: 2446.479 $\pm$ 1.322 χ^2/NDF :5679.4/1

+ sign 1206.964 $\pm$ 0.329 χ^2/NDF : 4825452.2/18

All: 961.129 $\pm$ 0.200 χ^2/NDF : 12890920.3/38

- sign 817.671 $\pm$ 0.252 χ^2/NDF : 7183850.7/19

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.427+/-886.086 χ^2/NDF : 13.5/15

Left Out: 3696.766+/-1528.781 χ^2/NDF : 0.3/2

Right Out: -3995.803+/-890.441 χ^2/NDF : 15.5/17

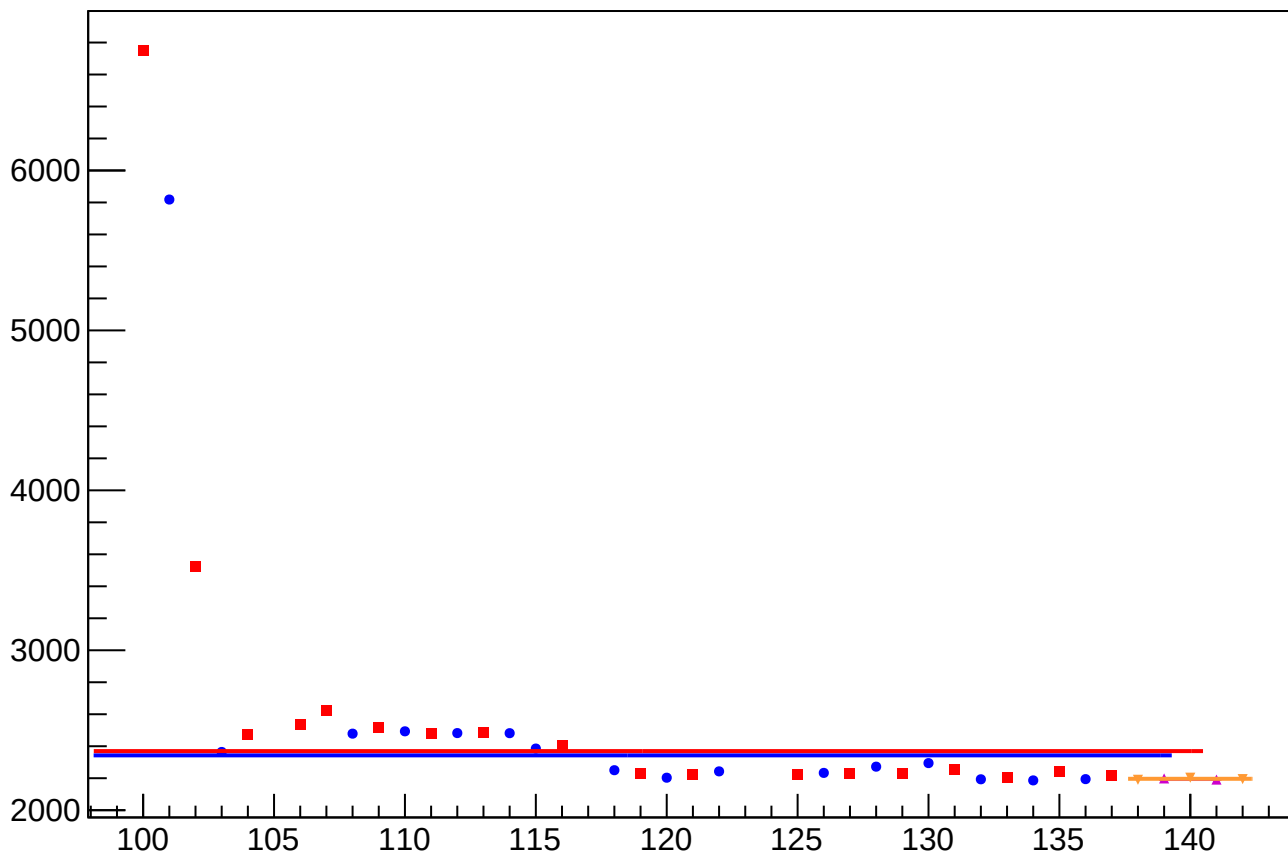
Left In: -5062.660+/-1668.505 χ^2/NDF : 0.3/1

+ sign 4280.371+/-766.624 χ^2/NDF : 14.1/18

All: 127.931+/-548.661 χ^2/NDF : 90.3/38

- sign -4232.298+/-785.571 χ^2/NDF : 16.1/19

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: 2196.327 $\pm$ 1.081 χ^2 /NDF:29.7/2

Right Out: 2369.572 $\pm$ 0.630 χ^2 /NDF: 210146.5/17

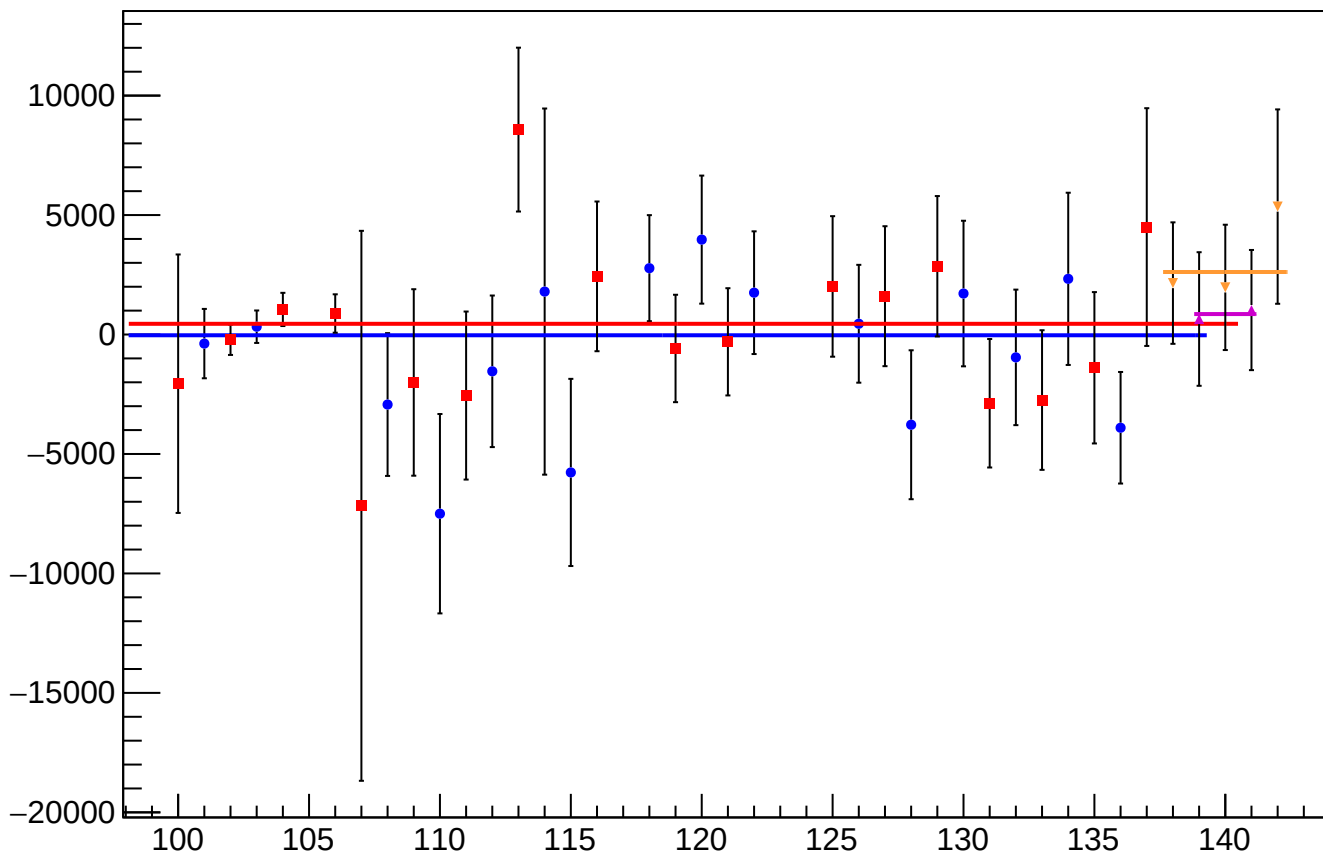
Left In: 2194.994 $\pm$ 1.180 χ^2 /NDF:9.6/1

+ sign 2306.052 $\pm$ 0.542 χ^2 /NDF: 516659.8/18

All: 2318.160 $\pm$ 0.388 χ^2 /NDF: 744880.3/38

- sign 2330.872 $\pm$ 0.555 χ^2 /NDF: 227197.8/19

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -31.400+/-485.331 χ^2/NDF : 16.3/15

Left Out: 2616.724+/-1665.388 χ^2/NDF : 0.5/2

Right Out: 448.265+/-362.575 χ^2/NDF : 15.1/17

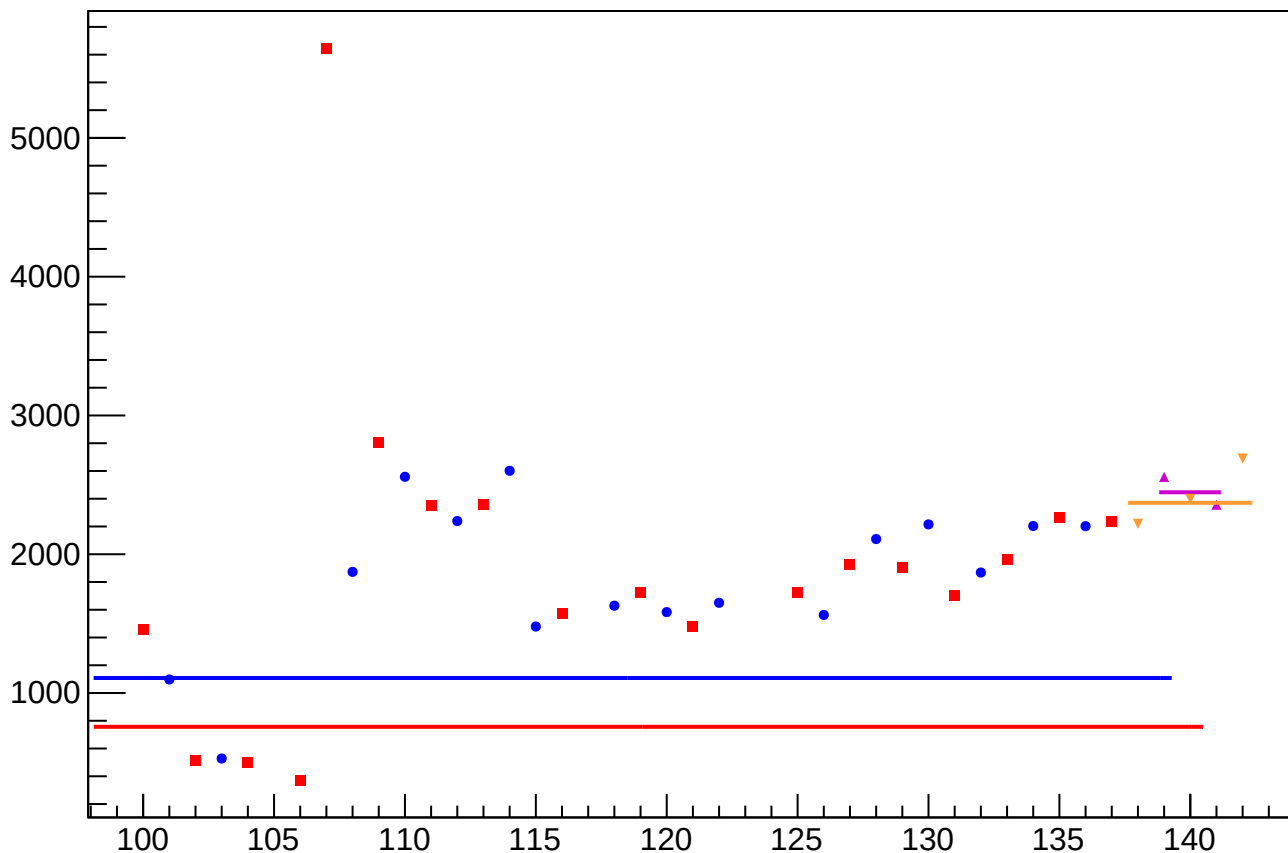
Left In: 856.453+/-1869.681 χ^2/NDF : 0.0/1

+ sign 175.893+/-465.949 χ^2/NDF : 19.2/18

All: 357.234+/-282.855 χ^2/NDF : 34.6/38

- sign 463.059+/-355.944 χ^2/NDF : 15.1/19

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: 2370.626+/-1.178 χ^2/NDF :19595.8/2

Right Out: 756.434+/-0.256 χ^2/NDF : 5603097.5/17

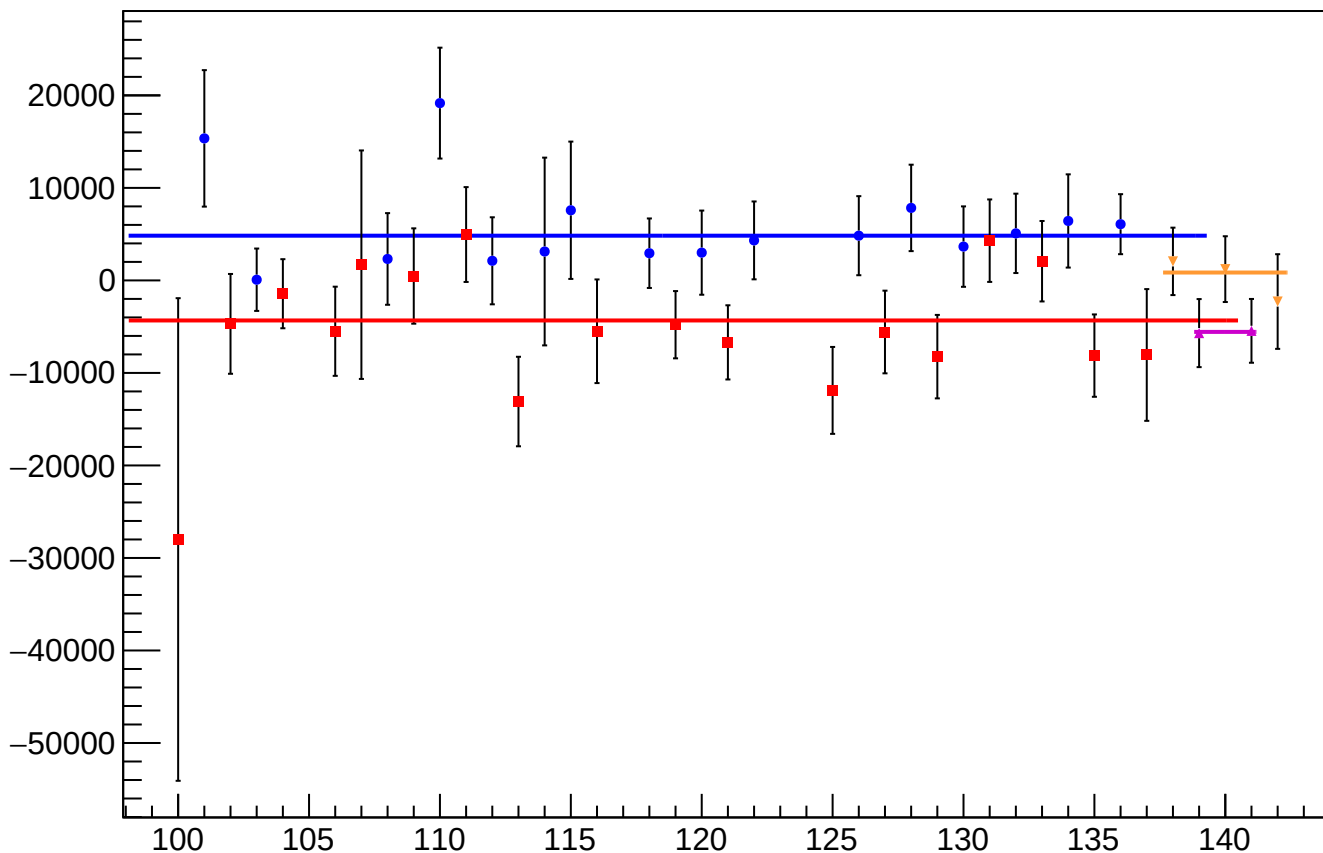
Left In: 2446.483+/-1.322 χ^2/NDF :5679.4/1

+ sign 1206.975+/-0.329 χ^2/NDF : 4825363.0/18

All: 961.144+/-0.200 χ^2/NDF : 12890645.0/39

- sign 817.687+/-0.252 χ^2/NDF : 7183705.4/19

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806 $\pm$ 1142.535 χ^2 /NDF: 11.7/15

Left Out: 852.294 $\pm$ 2278.214 χ^2 /NDF: 0.5/2

Right Out: -4328.601 $\pm$ 1144.541 χ^2 /NDF: 19.9/17

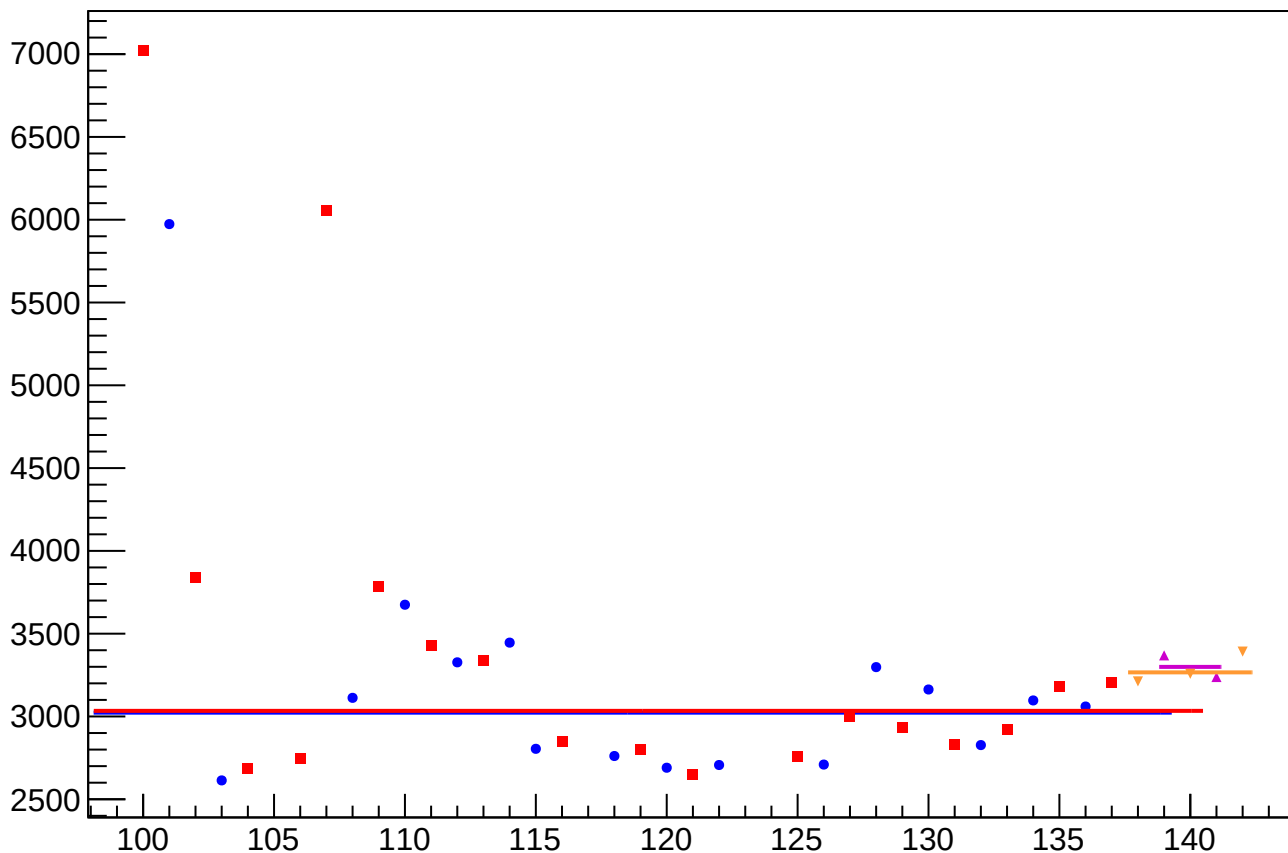
Left In: -5565.460 $\pm$ 2515.337 χ^2 /NDF: 0.0/1

+ sign 4033.669 $\pm$ 1021.299 χ^2 /NDF: 14.6/18

All: -168.498 $\pm$ 729.295 χ^2 /NDF: 69.3/38

- sign -4540.762 $\pm$ 1041.764 χ^2 /NDF: 20.1/19

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF : 443705.8/15

Left Out: 3266.281+/-1.611 χ^2/NDF :1663.1/2

Right Out: 3033.869+/-0.809 χ^2/NDF : 342674.7/17

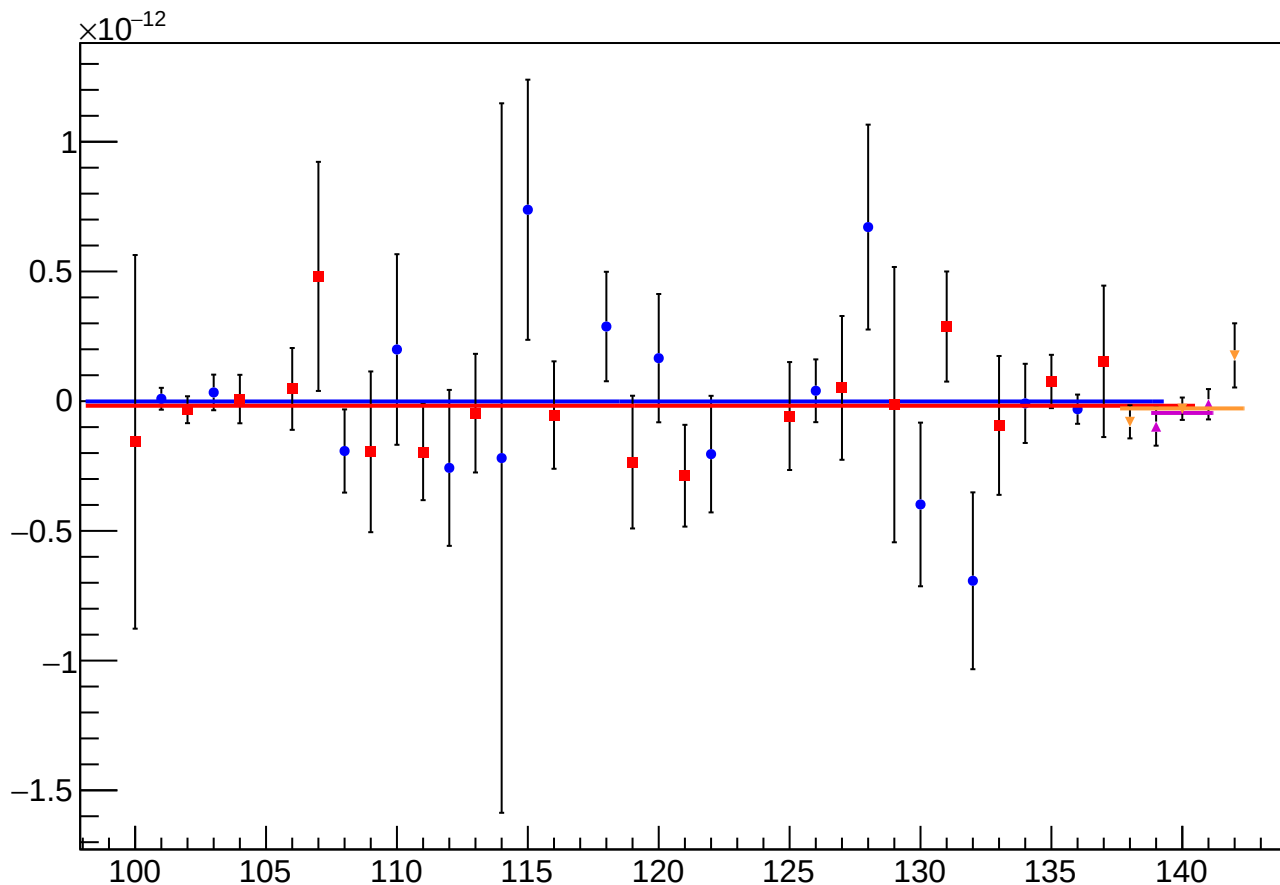
Left In: 3299.420+/-1.779 χ^2/NDF :1344.2/1

+ sign 3071.945+/-0.722 χ^2/NDF : 463581.9/18

All: 3075.608+/-0.516 χ^2/NDF : 826120.9/38

- sign 3079.419+/-0.737 χ^2/NDF : 362486.6/19

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 : 3.4/2

Right Out: -0.000+/-0.000 χ^2/NDF : 9.0/17

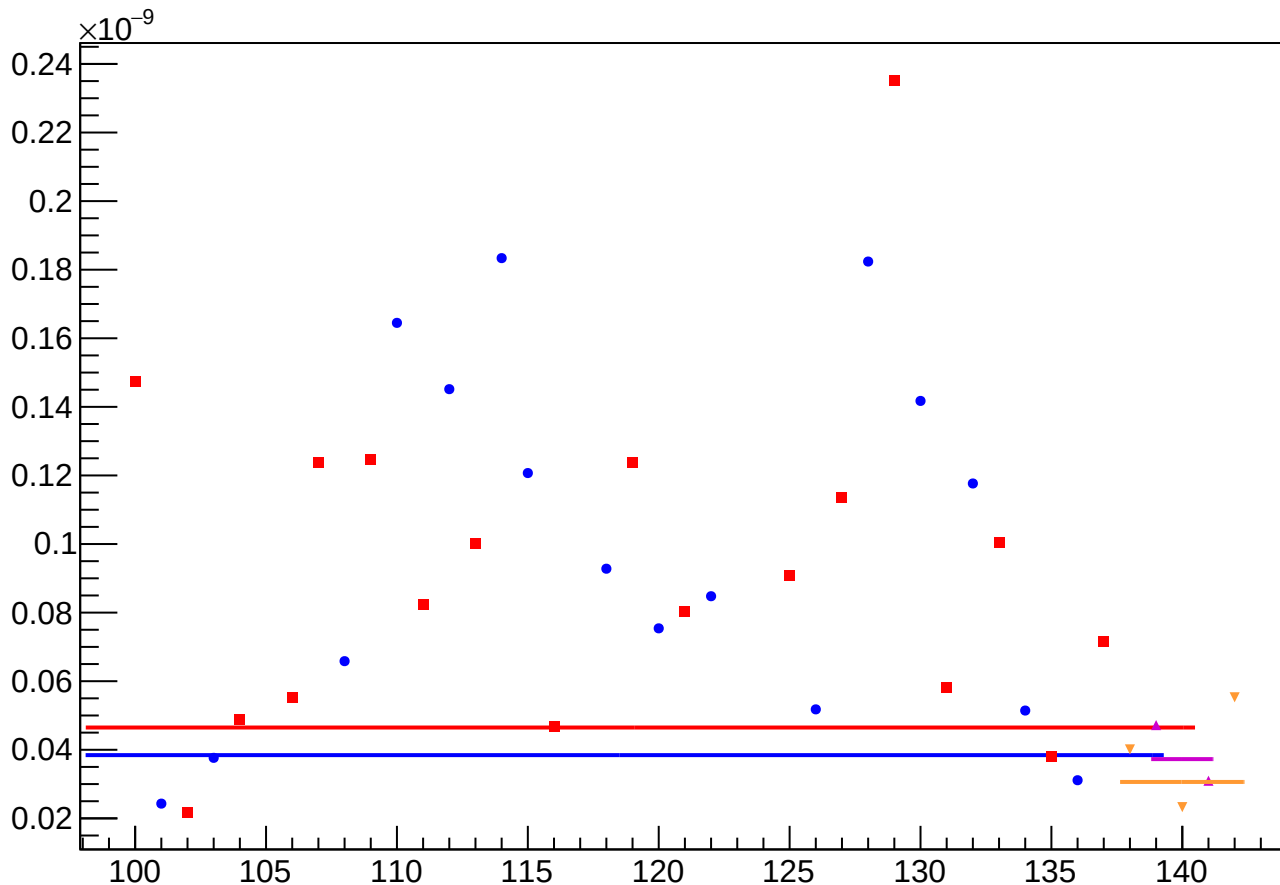
Left In: -0.000+/-0.000 χ^2/NDF : 0.8/1

+ sign -0.000+/-0.000 χ^2/NDF : 20.9/18

All: -0.000+/-0.000 χ^2/NDF : 31.1/38

- sign -0.000+/-0.000 χ^2/NDF : 10.1/19

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1771405.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 181912.1/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1697135.5/17

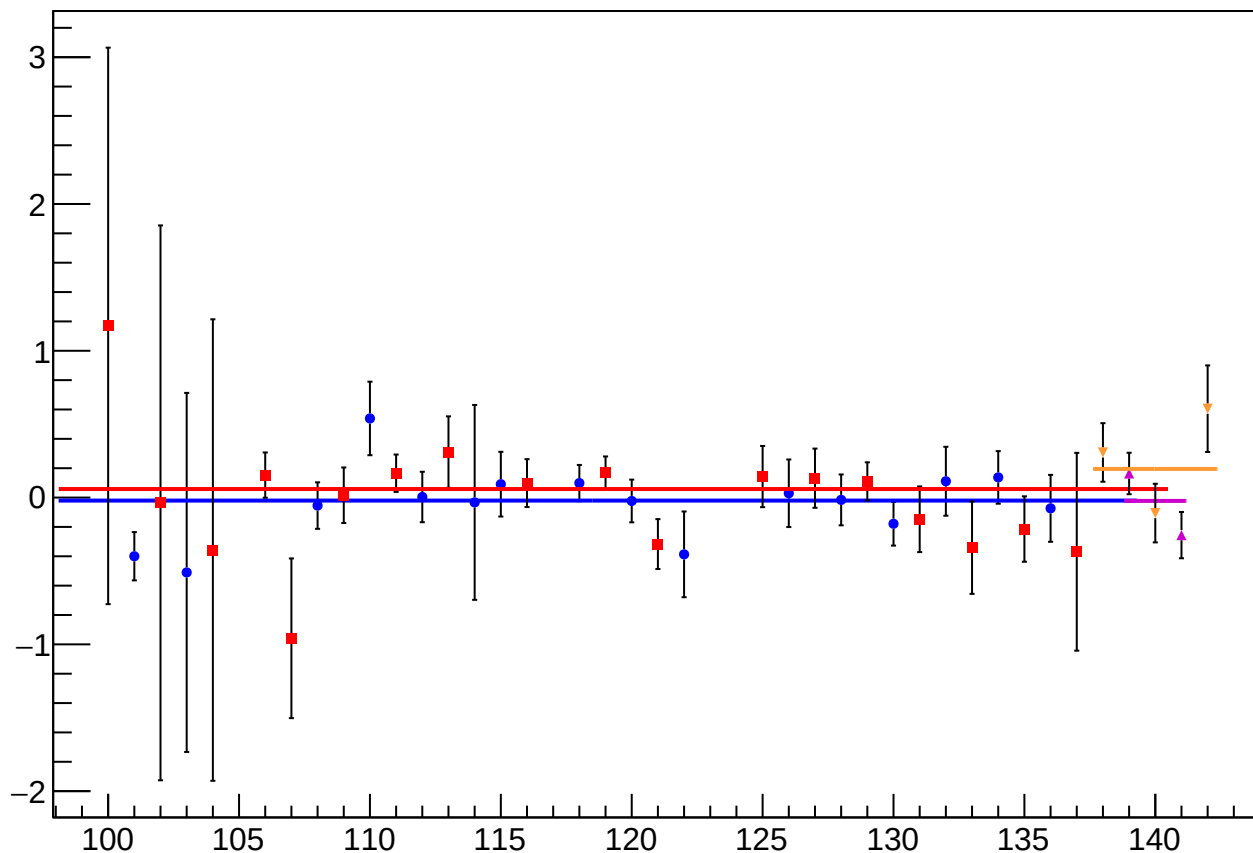
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 59823.3/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2017038.6/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 3924138.4/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1808677.2/19

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 0.195 ± 0.127 $\chi^2/\text{NDF}: 4.5/2$

Right Out: 0.058 ± 0.046 $\chi^2/\text{NDF}: 16.8/17$

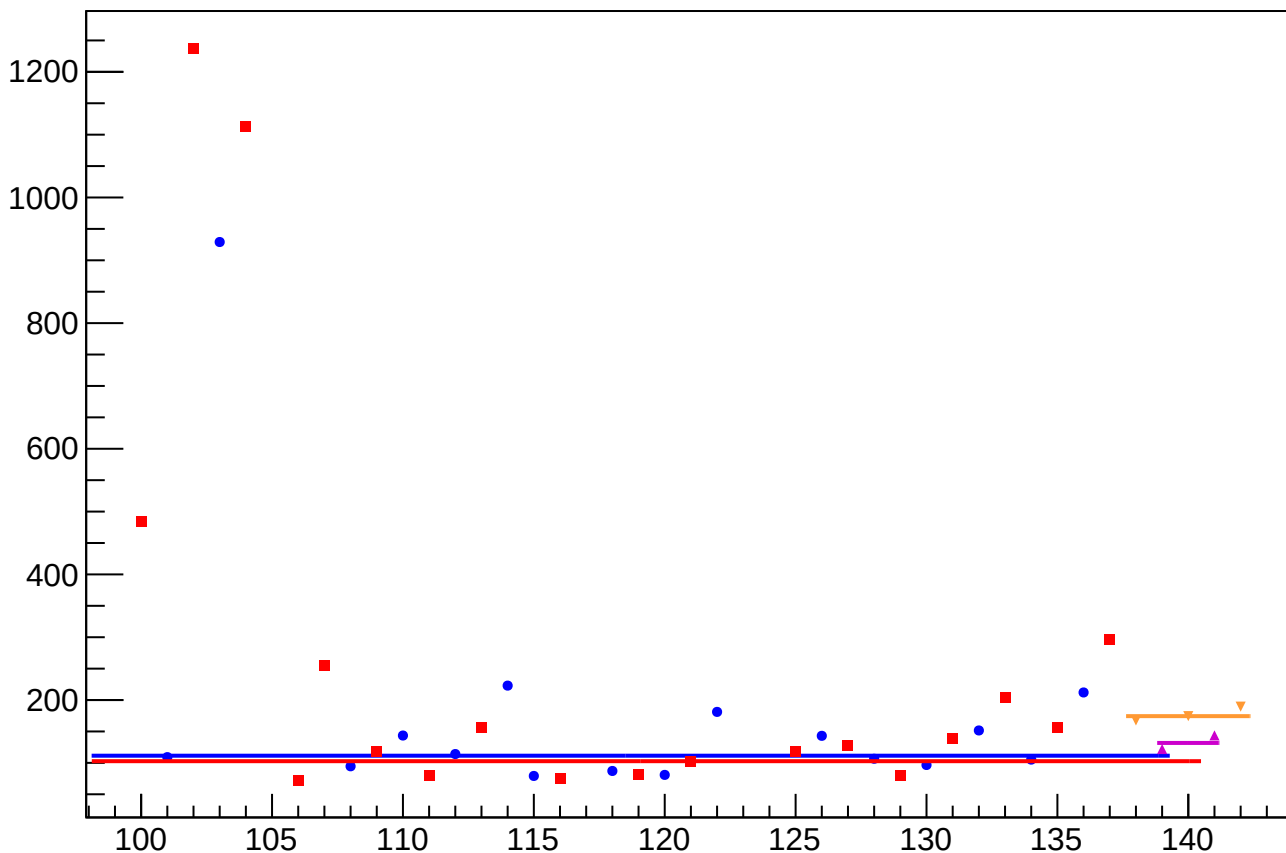
Left In: -0.023 ± 0.105 $\chi^2/\text{NDF}: 3.9/1$

+ sign 0.006 ± 0.045 $\chi^2/\text{NDF}: 22.7/18$

All: 0.026 ± 0.031 $\chi^2/\text{NDF}: 44.3/38$

- sign 0.045 ± 0.042 $\chi^2/\text{NDF}: 21.3/19$

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: 174.378 $\pm$ 0.090 χ^2 /NDF: 7643.0/2

Right Out: 102.673 $\pm$ 0.033 χ^2 /NDF: 2826852.7/17

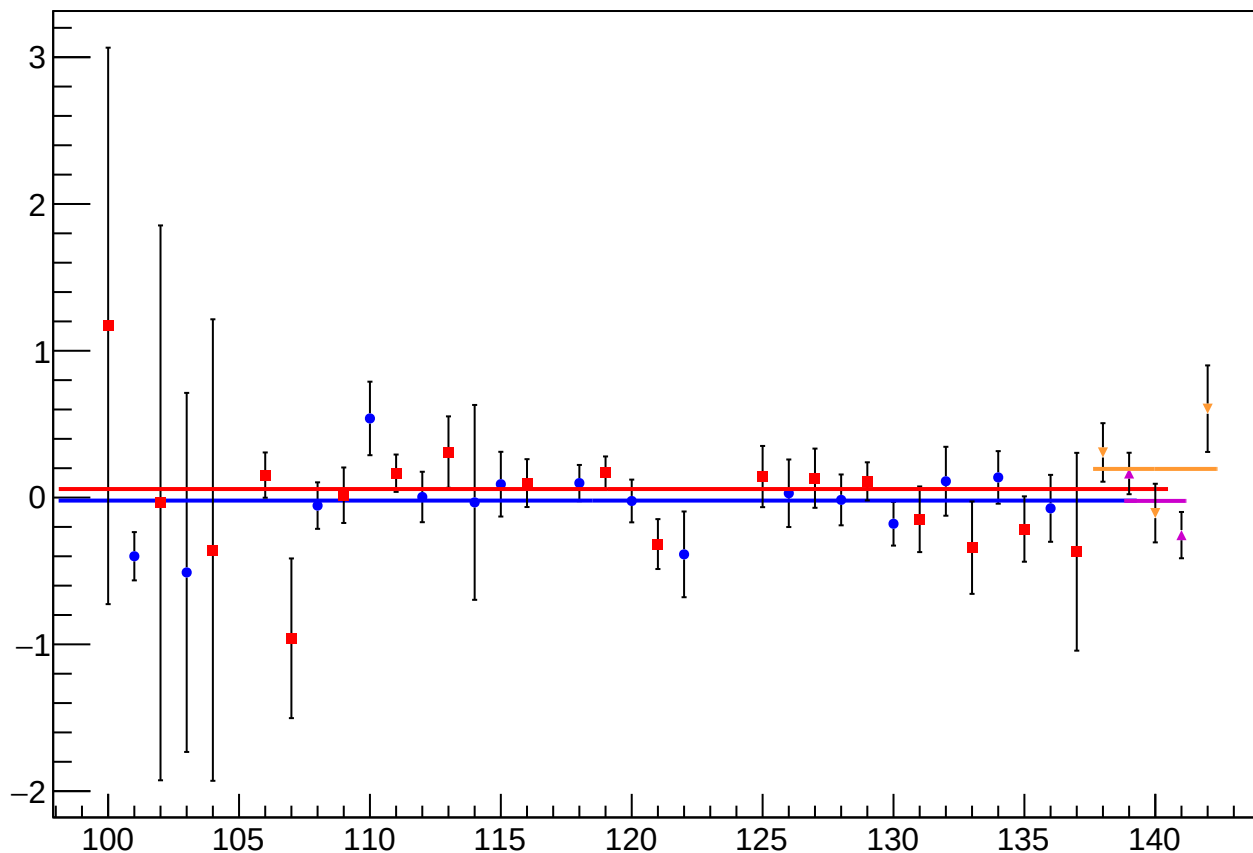
Left In: 131.713 $\pm$ 0.074 χ^2 /NDF: 21014.3/1

+ sign 119.141 $\pm$ 0.032 χ^2 /NDF: 2276421.2/18

All: 112.982 $\pm$ 0.022 χ^2 /NDF: 5324552.2/38

- sign 107.404 $\pm$ 0.030 χ^2 /NDF: 2975473.9/19

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 0.195 ± 0.127 $\chi^2/\text{NDF}: 4.5/2$

Right Out: 0.058 ± 0.046 $\chi^2/\text{NDF}: 16.8/17$

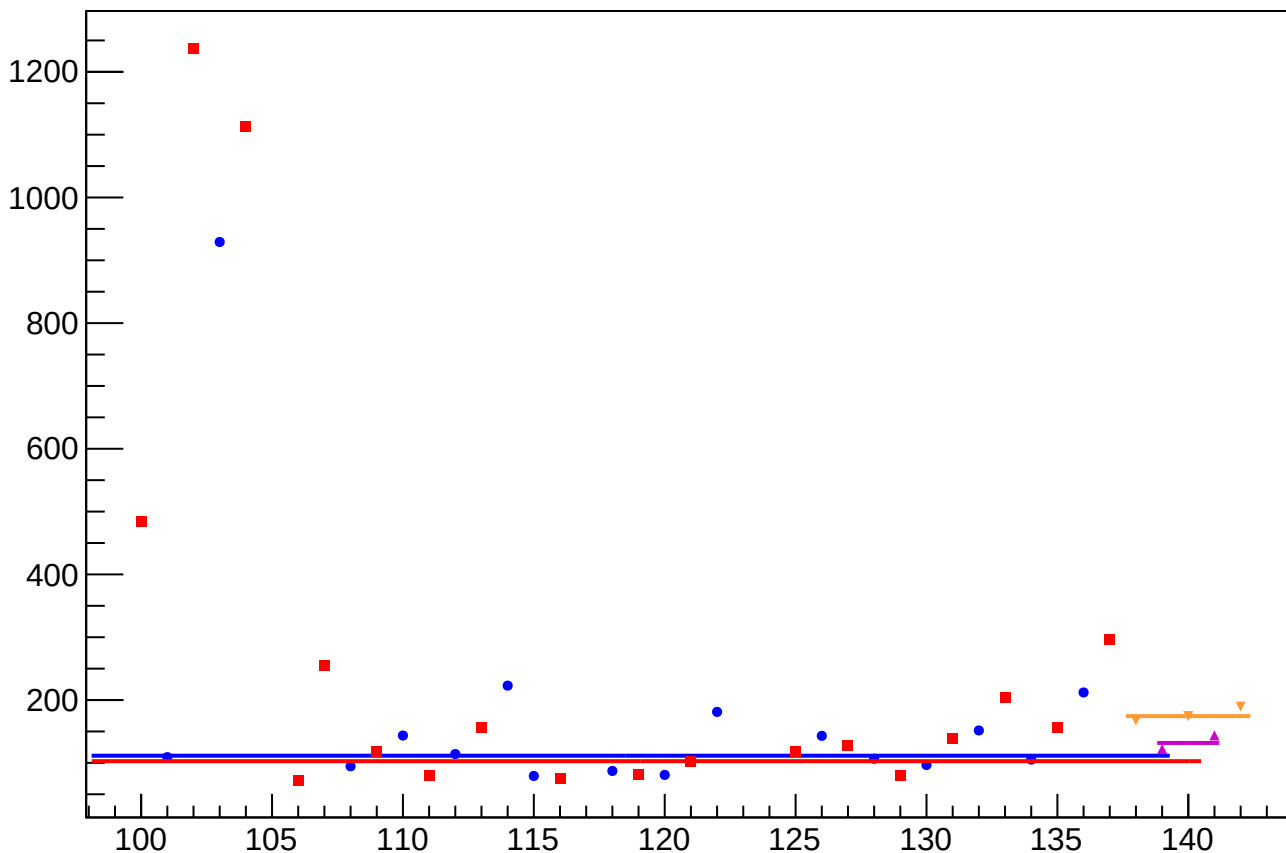
Left In: -0.023 ± 0.105 $\chi^2/\text{NDF}: 3.9/1$

+ sign 0.006 ± 0.045 $\chi^2/\text{NDF}: 22.7/18$

All: 0.026 ± 0.031 $\chi^2/\text{NDF}: 44.3/38$

- sign 0.045 ± 0.042 $\chi^2/\text{NDF}: 21.3/19$

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 111.407 $\pm$ 0.034 χ^2 /NDF: 1839361.2/15

Left Out: 174.378 $\pm$ 0.090 χ^2 /NDF: 7643.0/2

Right Out: 102.673 $\pm$ 0.033 χ^2 /NDF: 2826852.7/17

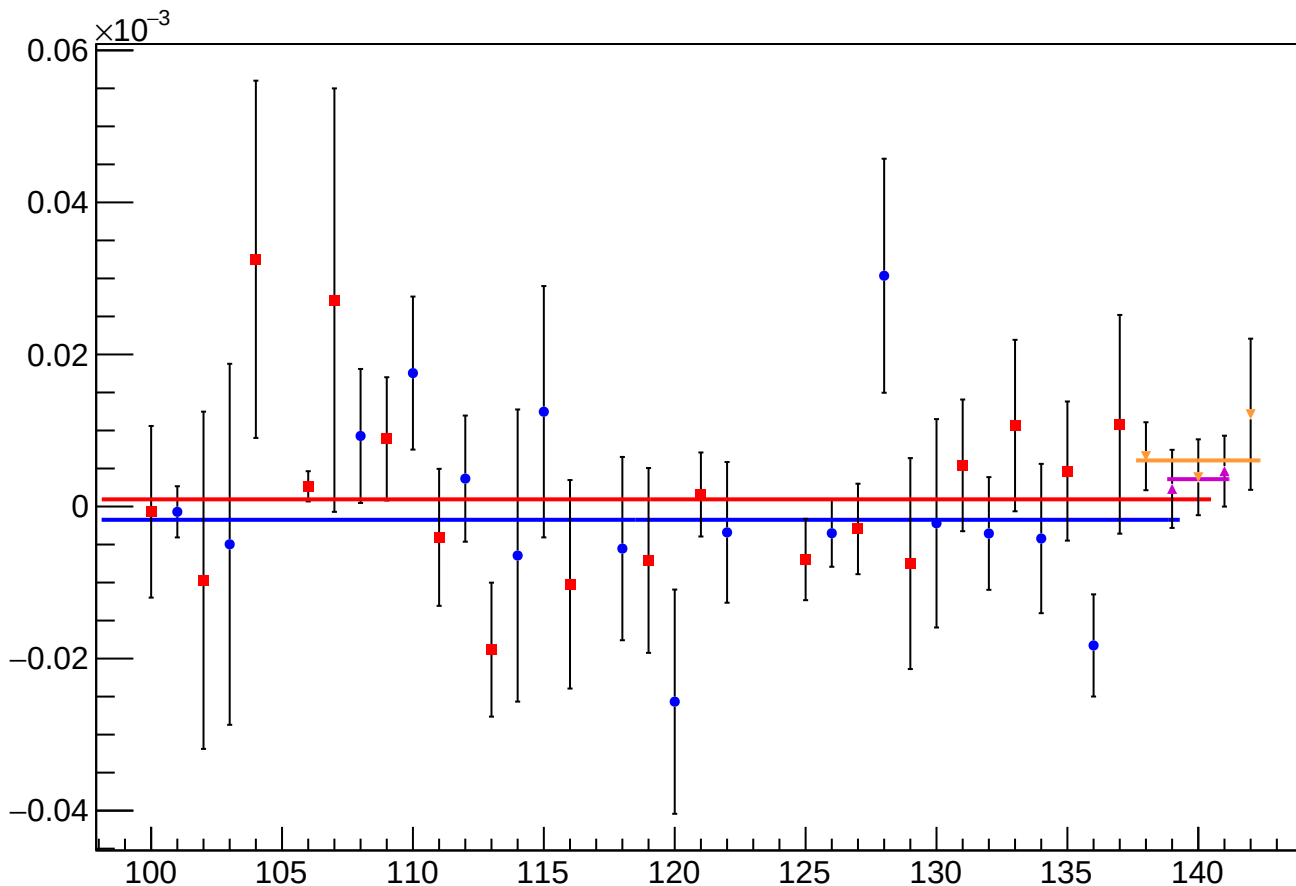
Left In: 131.713 $\pm$ 0.074 χ^2 /NDF: 21014.3/1

+ sign 119.141 $\pm$ 0.032 χ^2 /NDF: 2276421.2/18

All: 112.982 $\pm$ 0.022 χ^2 /NDF: 5324552.2/38

- sign 107.404 $\pm$ 0.030 χ^2 /NDF: 2975473.9/19

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 : 0.6/2

Right Out: 0.000 +/- 0.000 χ^2/NDF : 15.7/17

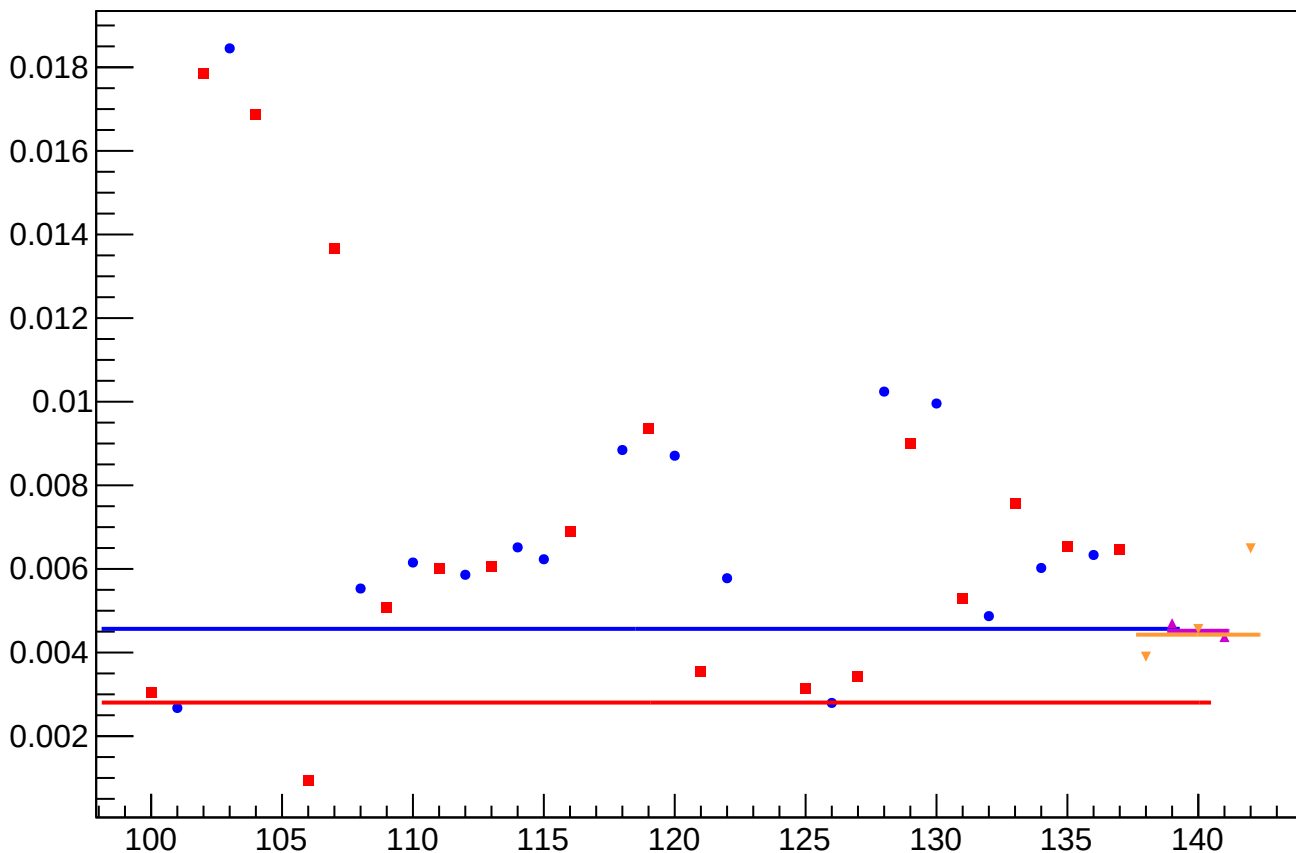
Left In: 0.000 +/- 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 +/- 0.000 χ^2/NDF : 25.1/18

All: 0.000 +/- 0.000 χ^2/NDF : 41.6/38

- sign 0.000 +/- 0.000 χ^2/NDF : 16.3/19

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 3012257.6/15

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 115551.7/2

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 6610011.8/17

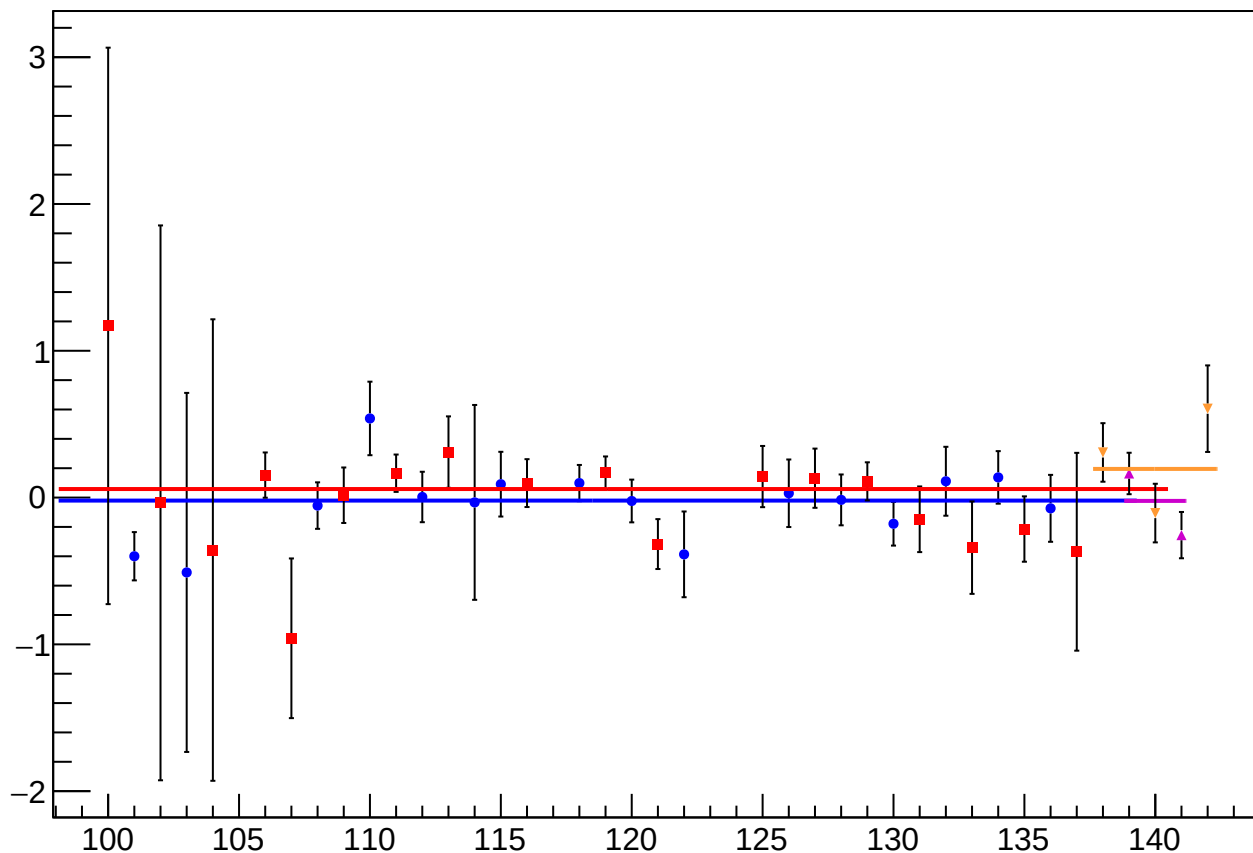
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 4528.3/1

+ sign 0.005 $\pm$ 0.000 χ^2/NDF : 3130655.8/18

All: 0.004 $\pm$ 0.000 χ^2/NDF : 11097935.1/38

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 7032741.5/19

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 $\pm$ 0.048 χ^2 /NDF: 15.6/15

Left Out: 0.195 $\pm$ 0.127 χ^2 /NDF: 4.5/2

Right Out: 0.058 $\pm$ 0.046 χ^2 /NDF: 16.8/17

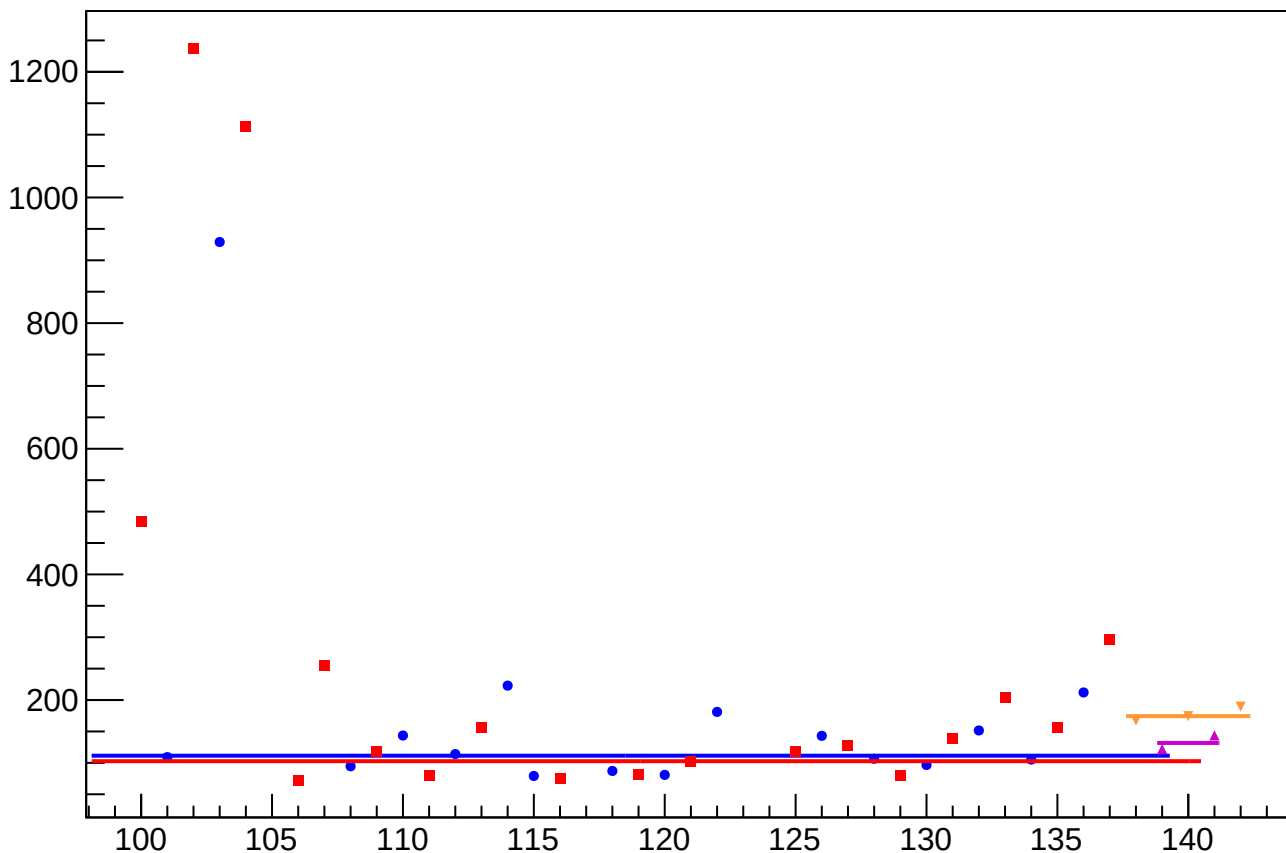
Left In: -0.023 $\pm$ 0.105 χ^2 /NDF: 3.9/1

+ sign 0.006 $\pm$ 0.045 χ^2 /NDF: 22.7/18

All: 0.026 $\pm$ 0.031 χ^2 /NDF: 44.3/38

- sign 0.045 $\pm$ 0.042 χ^2 /NDF: 21.3/19

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 111.404 $\pm$ 0.034 χ^2 /NDF: 1839407.3/15

Left Out: 174.378 $\pm$ 0.090 χ^2 /NDF: 7643.9/2

Right Out: 102.671 $\pm$ 0.033 χ^2 /NDF: 2826848.2/17

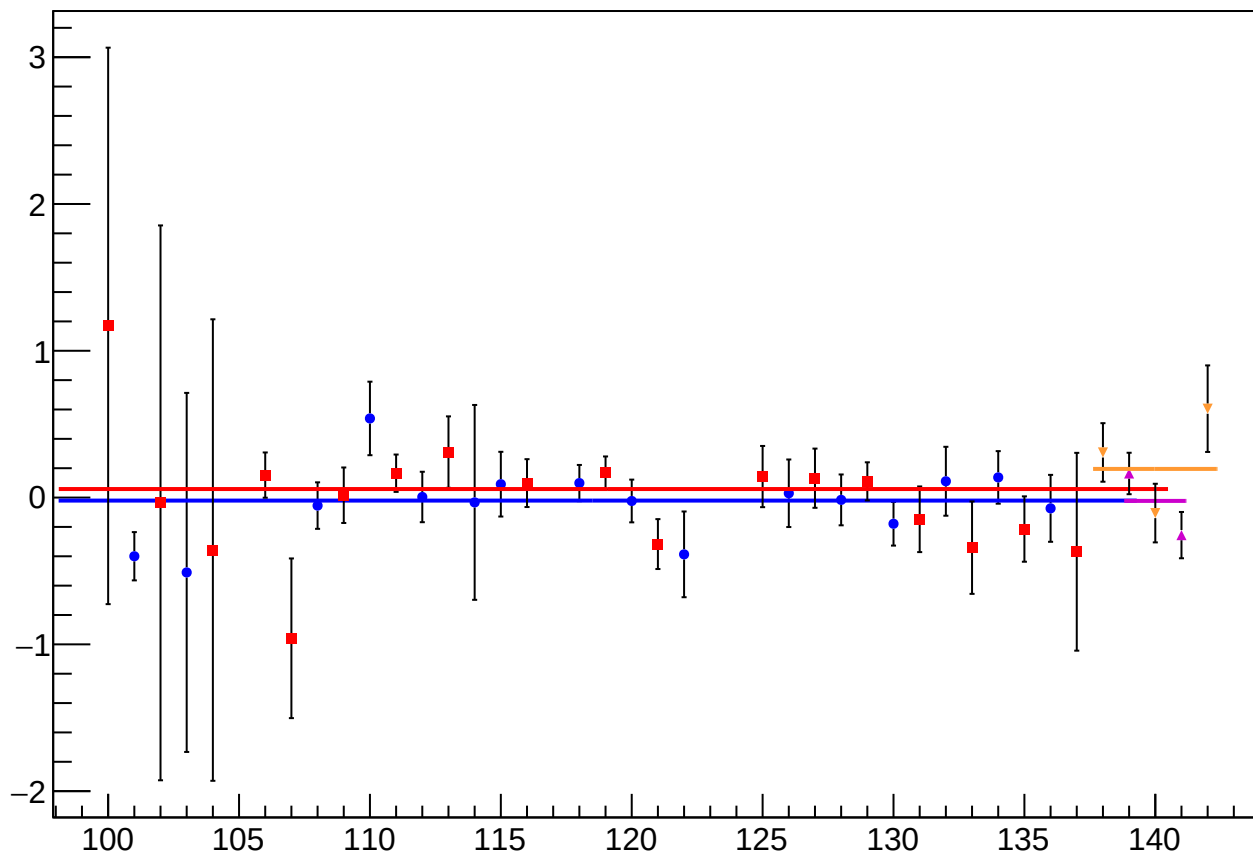
Left In: 131.713 $\pm$ 0.074 χ^2 /NDF: 21011.0/1

+ sign 119.138 $\pm$ 0.032 χ^2 /NDF: 2276508.3/18

All: 112.980 $\pm$ 0.022 χ^2 /NDF: 5324637.9/38

- sign 107.402 $\pm$ 0.030 χ^2 /NDF: 2975485.9/19

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 0.195 ± 0.127 $\chi^2/\text{NDF}: 4.5/2$

Right Out: 0.058 ± 0.046 $\chi^2/\text{NDF}: 16.8/17$

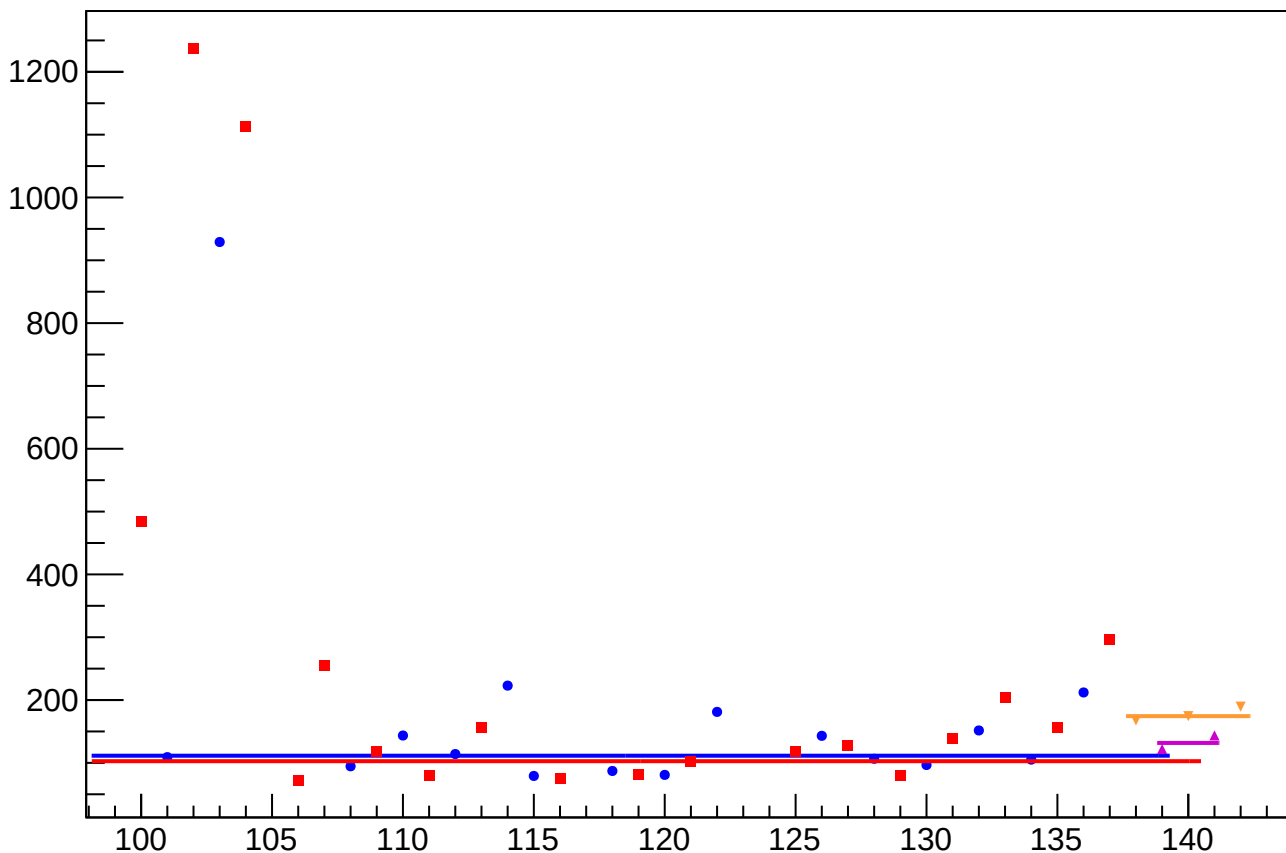
Left In: -0.023 ± 0.105 $\chi^2/\text{NDF}: 3.9/1$

+ sign 0.006 ± 0.045 $\chi^2/\text{NDF}: 22.7/18$

All: 0.026 ± 0.031 $\chi^2/\text{NDF}: 44.3/38$

- sign 0.045 ± 0.042 $\chi^2/\text{NDF}: 21.3/19$

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 111.404 $\pm$ 0.034 χ^2 /NDF: 1839407.3/15

Left Out: 174.378 $\pm$ 0.090 χ^2 /NDF: 7643.9/2

Right Out: 102.671 $\pm$ 0.033 χ^2 /NDF: 2826848.2/17

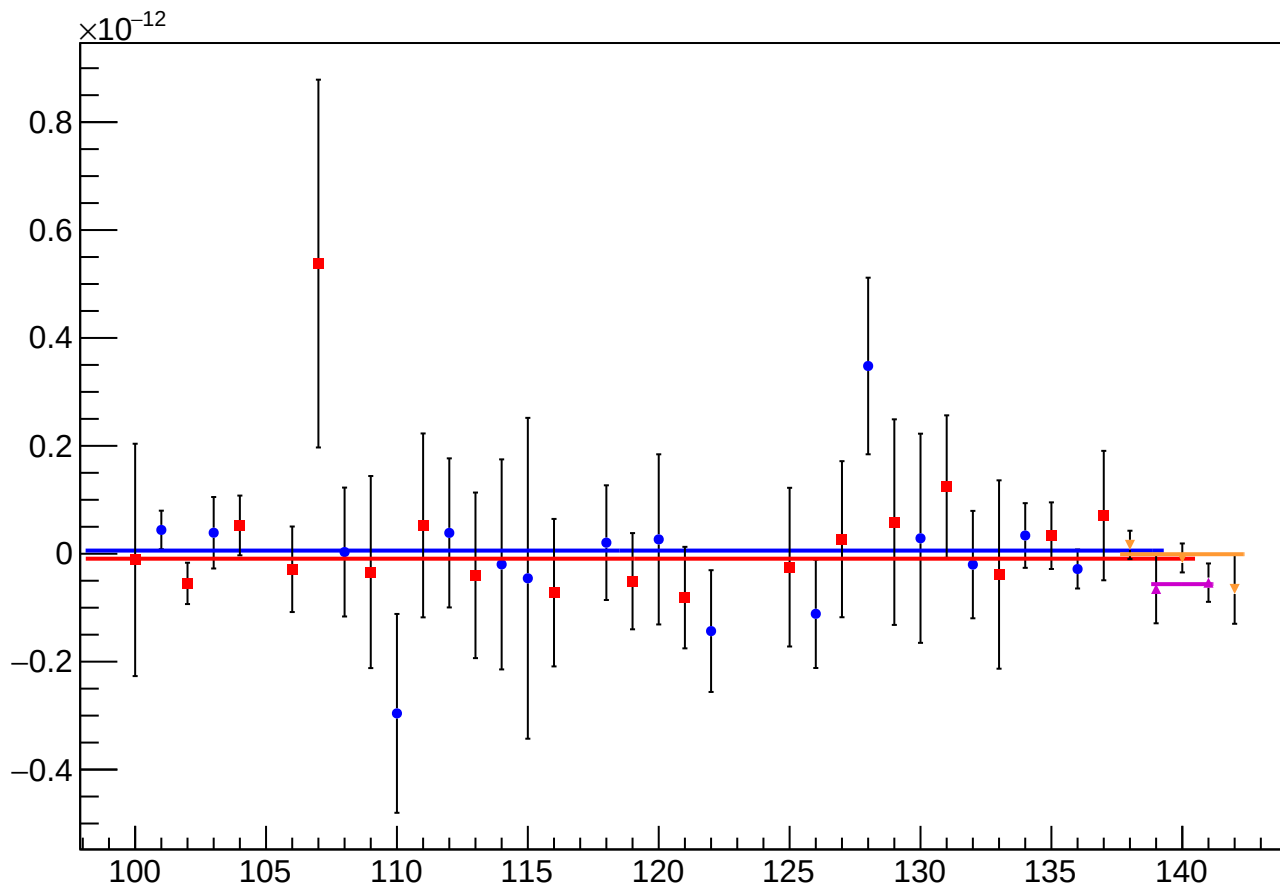
Left In: 131.713 $\pm$ 0.074 χ^2 /NDF: 21011.0/1

+ sign 119.138 $\pm$ 0.032 χ^2 /NDF: 2276508.3/18

All: 112.980 $\pm$ 0.022 χ^2 /NDF: 5324637.9/38

- sign 107.402 $\pm$ 0.030 χ^2 /NDF: 2975485.9/19

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: 1.5/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.7/17

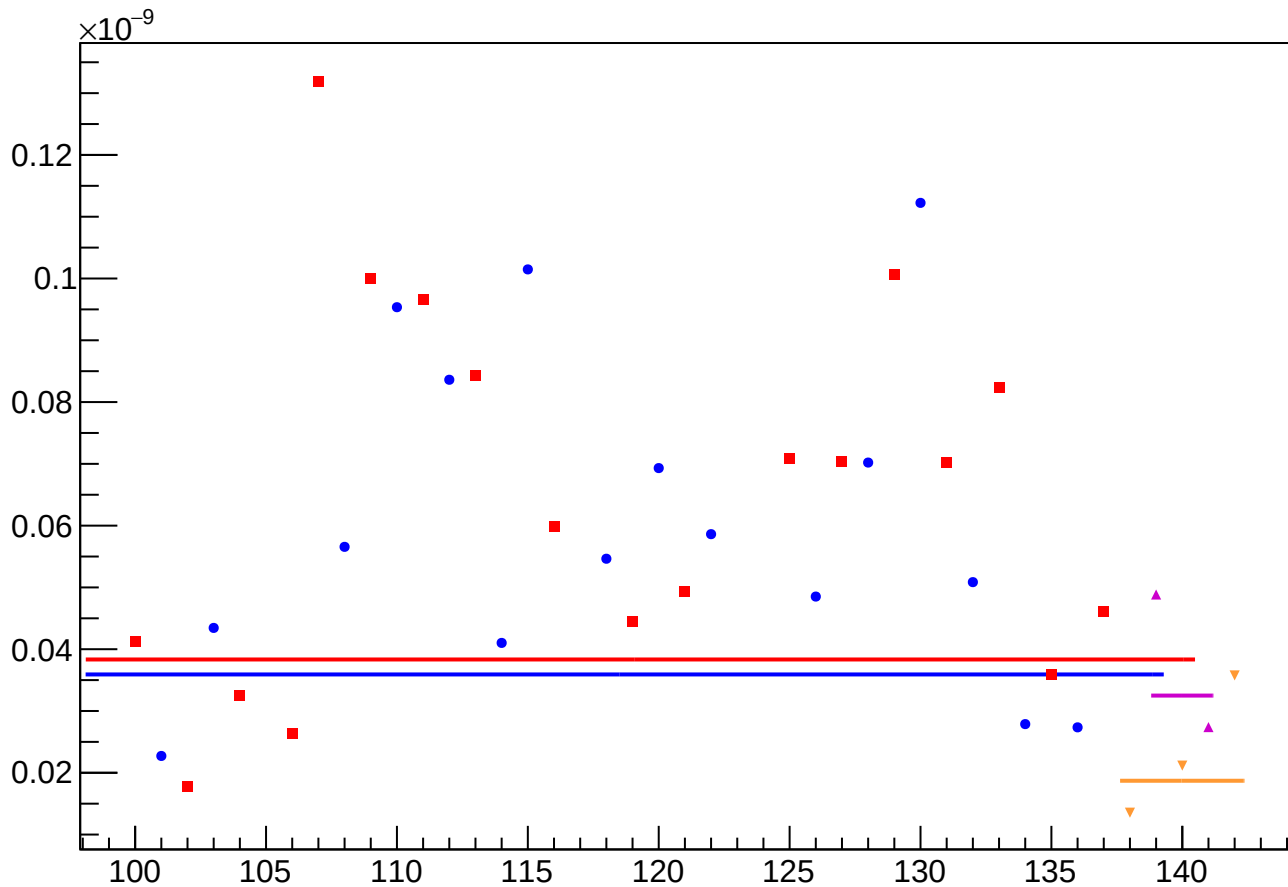
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.2/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 10.3/19

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 : 233790.4/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2202319.8/17

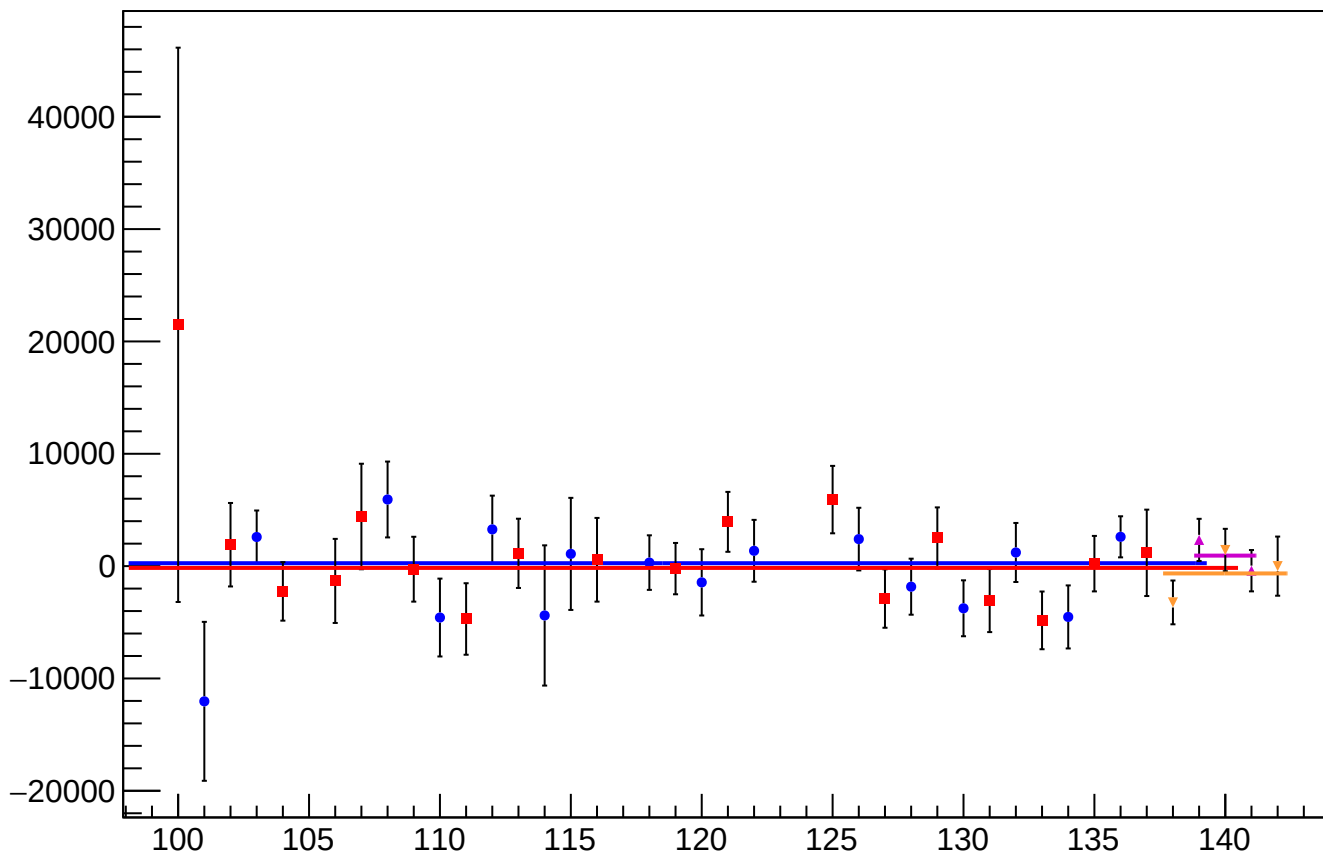
Left In: 0.000+/-0.000 χ^2/NDF : 172996.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 2847733.2/18

All: 0.000+/-0.000 χ^2/NDF : 5653550.0/38

- sign 0.000+/-0.000 χ^2/NDF : 2423005.2/19

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: -651.063 $\pm$ 1205.093 χ^2 /NDF: 3.0/2

Right Out: -159.330 $\pm$ 712.314 χ^2 /NDF: 18.1/17

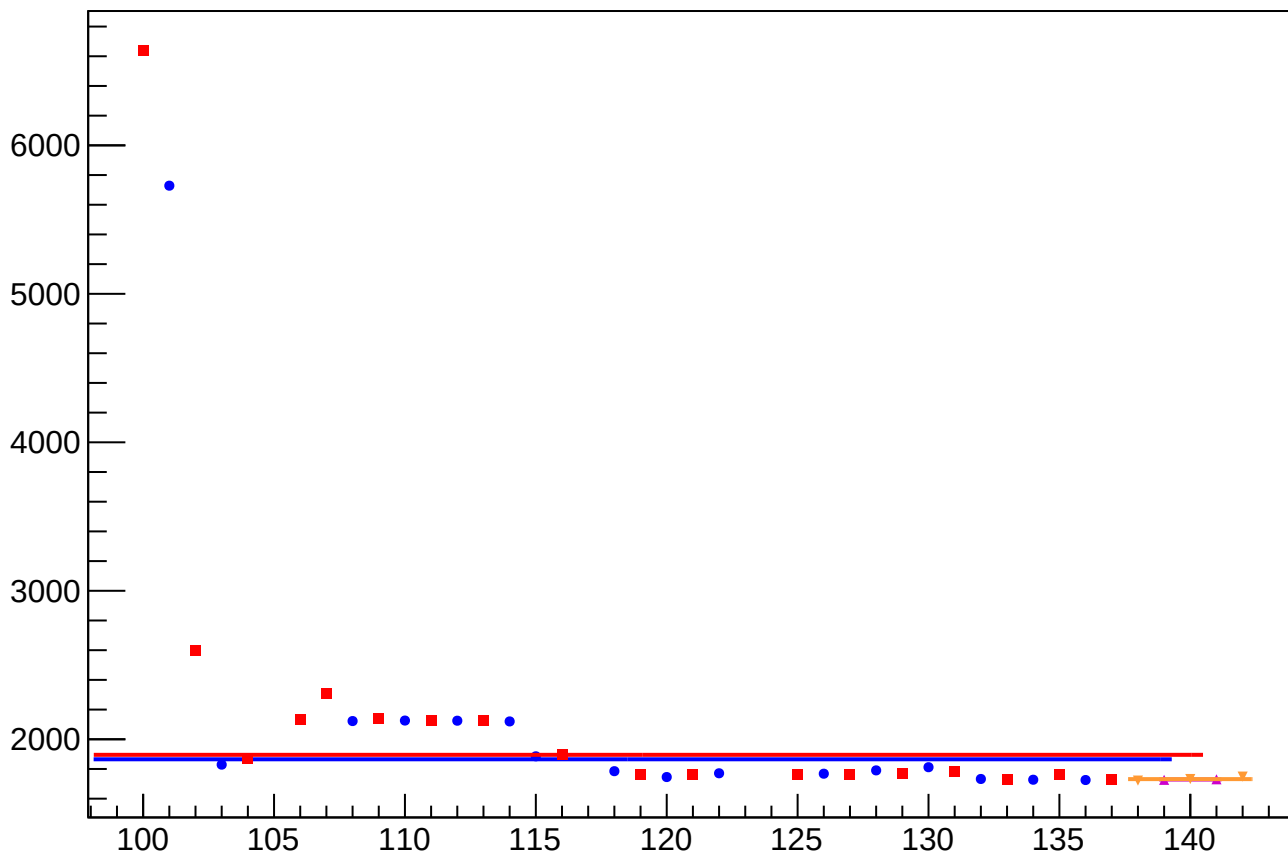
Left In: 935.193 $\pm$ 1313.674 χ^2 /NDF: 1.1/1

+ sign 25.021 $\pm$ 611.532 χ^2 /NDF: 22.9/18

All: 56.428 $\pm$ 437.507 χ^2 /NDF: 42.6/38

- sign 89.358 $\pm$ 626.184 χ^2 /NDF: 19.7/19

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF : 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF :134.4/2

Right Out: 1895.250+/-0.504 χ^2/NDF : 250806.5/17

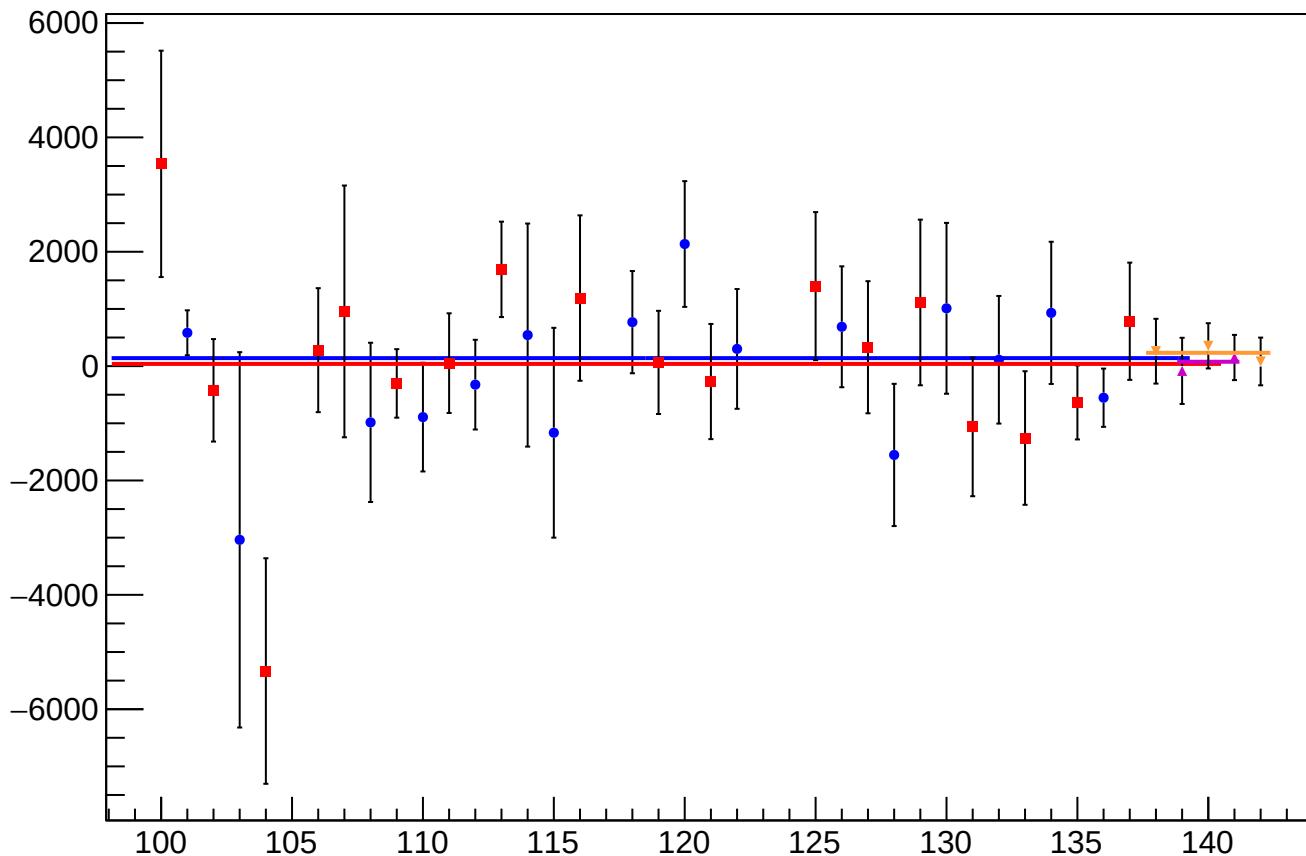
Left In: 1728.741+/-0.929 χ^2/NDF :4.2/1

+ sign 1830.797+/-0.432 χ^2/NDF : 691078.7/18

All: 1843.792+/-0.309 χ^2/NDF : 968570.1/38

- sign 1857.417+/-0.443 χ^2/NDF : 275641.3/19

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: 232.688 $\pm$ 256.090 χ^2 /NDF: 0.2/2

Right Out: 38.629 $\pm$ 238.253 χ^2 /NDF: 21.4/17

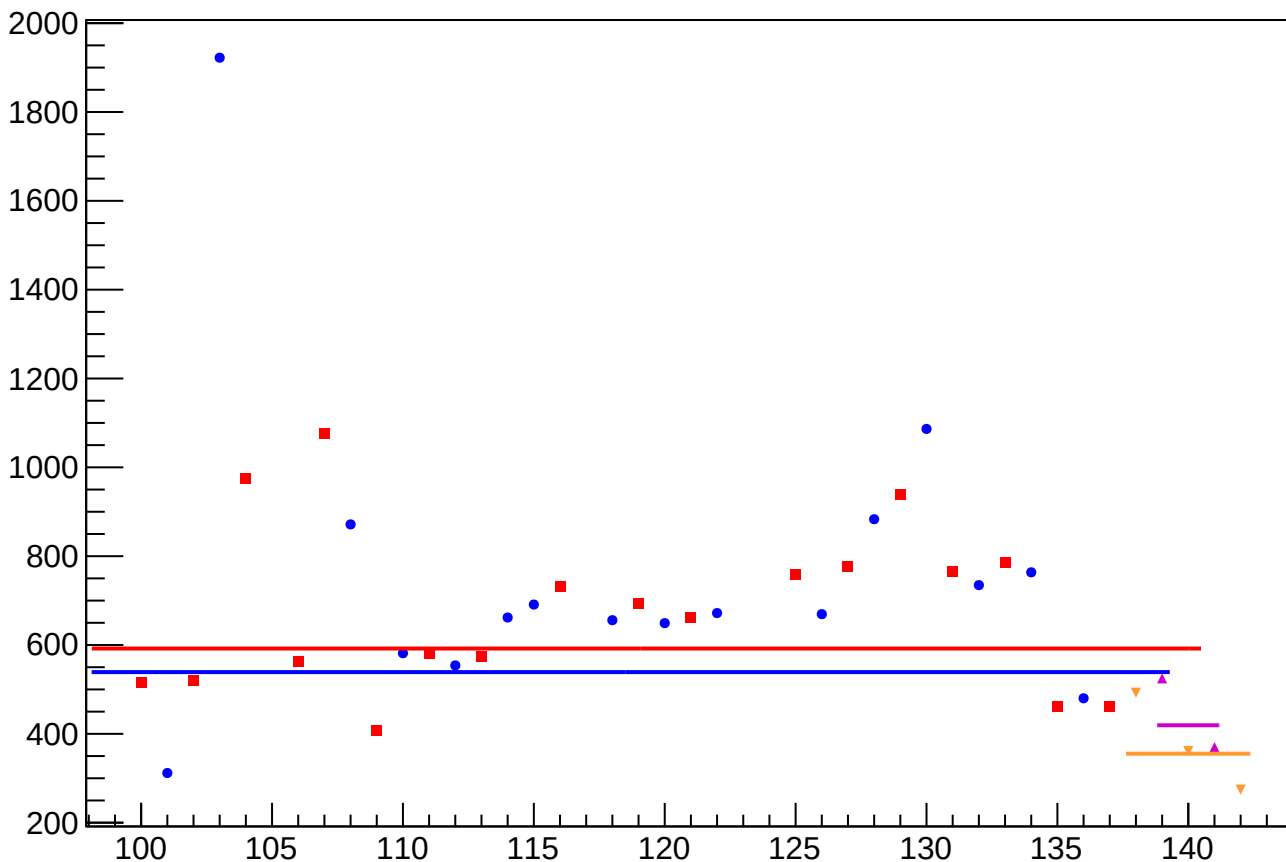
Left In: 76.263 $\pm$ 326.421 χ^2 /NDF: 0.1/1

+ sign 179.263 $\pm$ 166.921 χ^2 /NDF: 13.8/18

All: 124.500 $\pm$ 126.096 χ^2 /NDF: 35.5/38

- sign 51.710 $\pm$ 192.444 χ^2 /NDF: 21.5/19

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: 355.318 $\pm$ 0.181 χ^2 /NDF:193287.2/2

Right Out: 592.101 $\pm$ 0.168 χ^2 /NDF: 843066.1/17

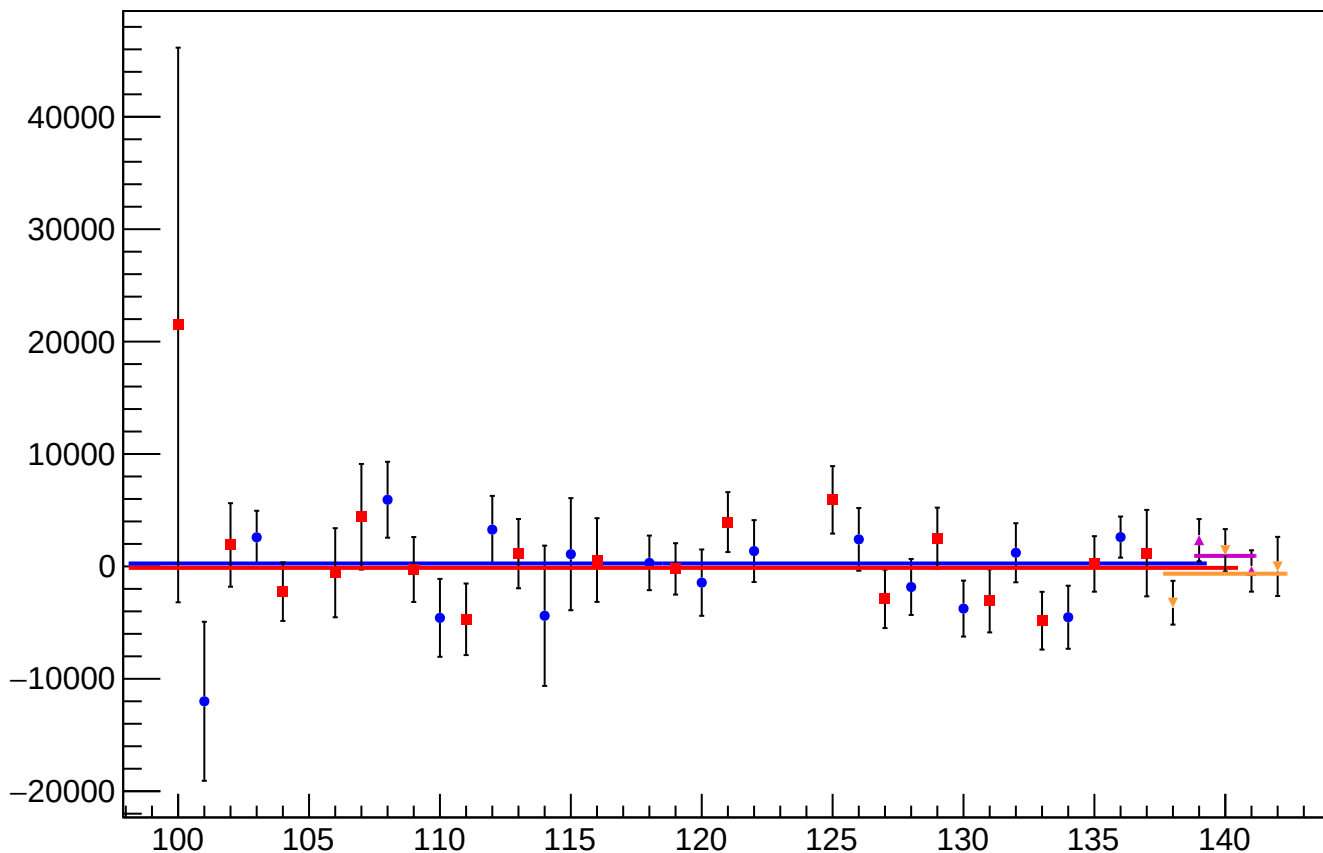
Left In: 419.292 $\pm$ 0.231 χ^2 /NDF:97824.0/1

+ sign 460.972 $\pm$ 0.118 χ^2 /NDF: 2639743.4/18

All: 491.483 $\pm$ 0.089 χ^2 /NDF: 4101978.0/38

- sign 532.037 $\pm$ 0.136 χ^2 /NDF: 1306597.0/19

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF : 19.4/15

Left Out: -651.124+/-1205.093 χ^2/NDF : 3.0/2

Right Out: -130.049+/-713.724 χ^2/NDF : 18.0/17

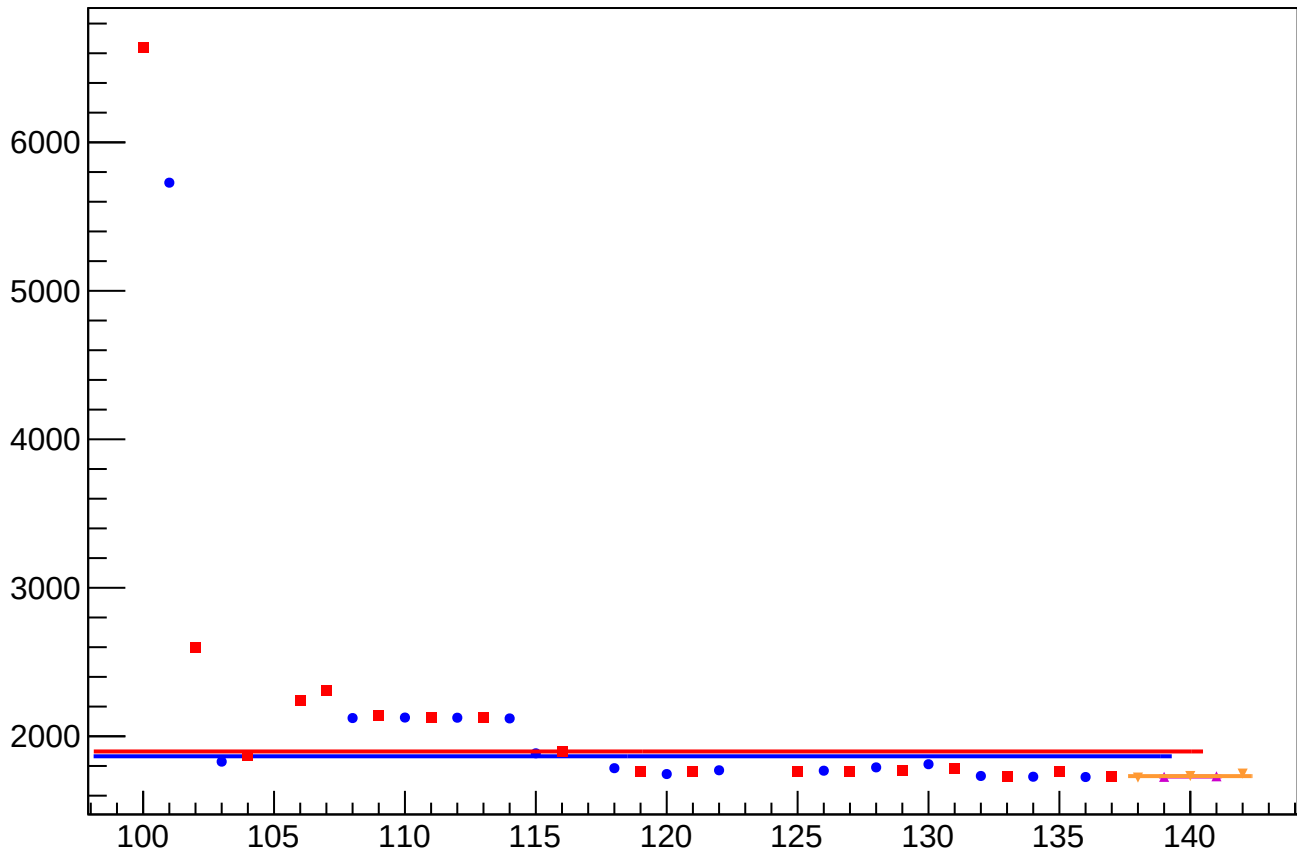
Left In: 935.609+/-1313.674 χ^2/NDF : 1.1/1

+ sign 25.144+/-611.532 χ^2/NDF : 22.9/18

All: 67.878+/-437.833 χ^2/NDF : 42.5/38

- sign 112.821+/-627.141 χ^2/NDF : 19.6/19

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF : 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF :134.4/2

Right Out: 1897.700+/-0.505 χ^2/NDF : 257735.0/17

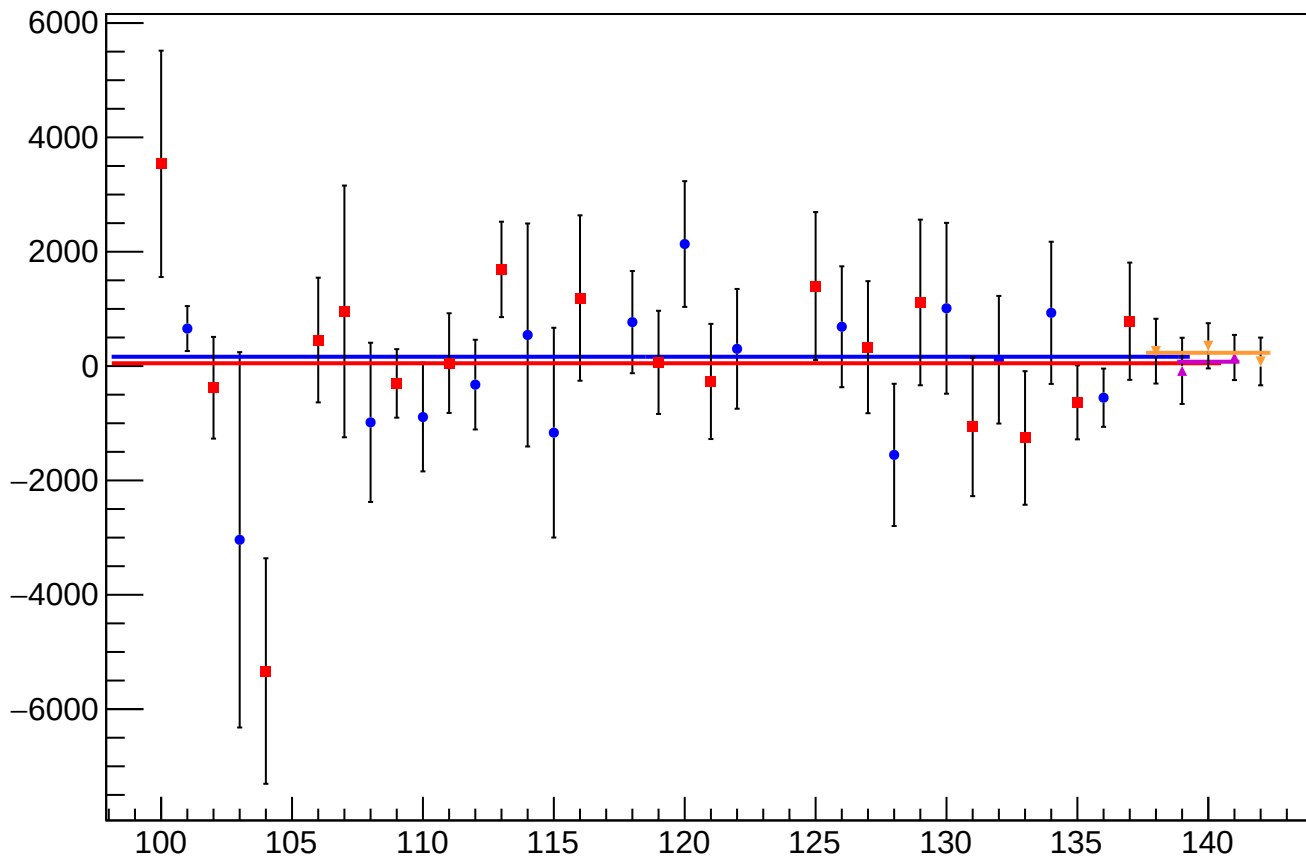
Left In: 1728.741+/-0.929 χ^2/NDF :4.2/1

+ sign 1830.796+/-0.432 χ^2/NDF : 691078.6/18

All: 1844.637+/-0.310 χ^2/NDF : 976463.6/38

- sign 1859.194+/-0.443 χ^2/NDF : 283283.0/19

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: 232.563 $\pm$ 256.094 χ^2 /NDF: 0.2/2

Right Out: 49.618 $\pm$ 238.198 χ^2 /NDF: 21.4/17

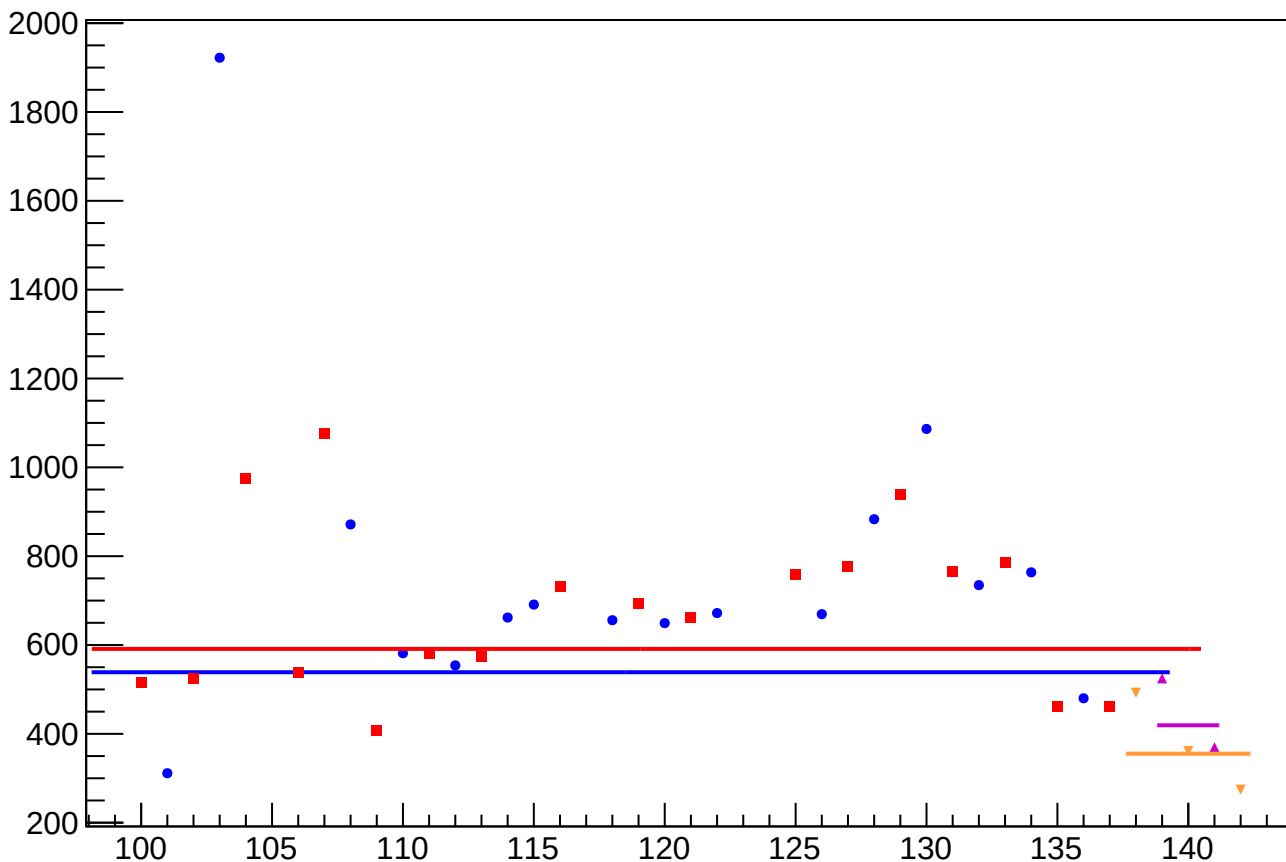
Left In: 76.137 $\pm$ 326.408 χ^2 /NDF: 0.1/1

+ sign 192.627 $\pm$ 166.889 χ^2 /NDF: 14.2/18

All: 135.186 $\pm$ 126.073 χ^2 /NDF: 36.0/38

- sign 58.833 $\pm$ 192.412 χ^2 /NDF: 21.6/19

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703 ± 0.156 χ^2/NDF : 1858892.9/15

Left Out: 355.327 ± 0.181 χ^2/NDF : 193285.2/2

Right Out: 591.241 ± 0.168 χ^2/NDF : 844536.8/17

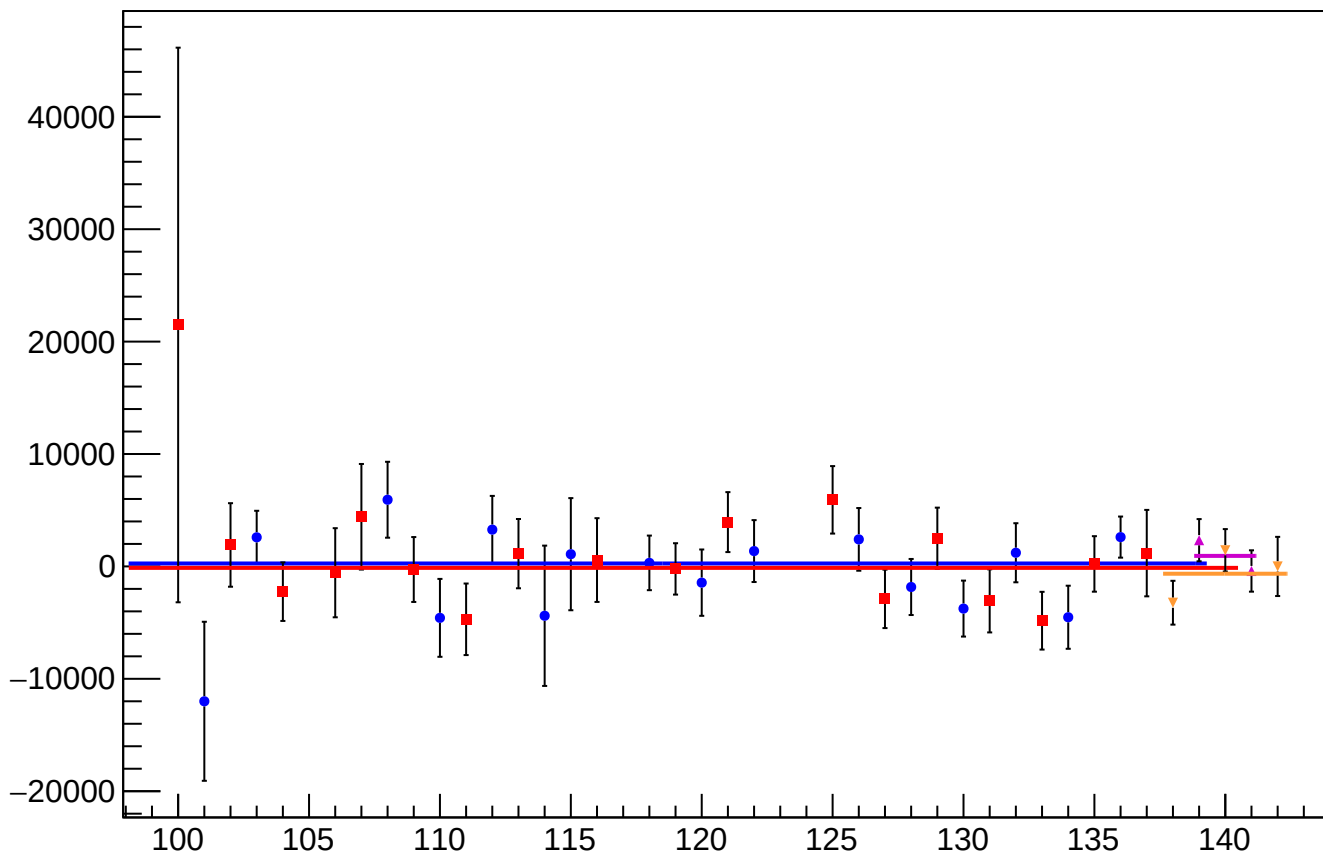
Left In: 419.276 ± 0.231 χ^2/NDF : 97821.2/1

+ sign 460.828 ± 0.118 χ^2/NDF : 2642153.4/18

All: 491.163 ± 0.089 χ^2/NDF : 4100649.9/38

- sign 531.485 ± 0.136 χ^2/NDF : 1304584.8/19

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: -651.124 $\pm$ 1205.093 χ^2 /NDF: 3.0/2

Right Out: -130.049 $\pm$ 713.724 χ^2 /NDF: 18.0/17

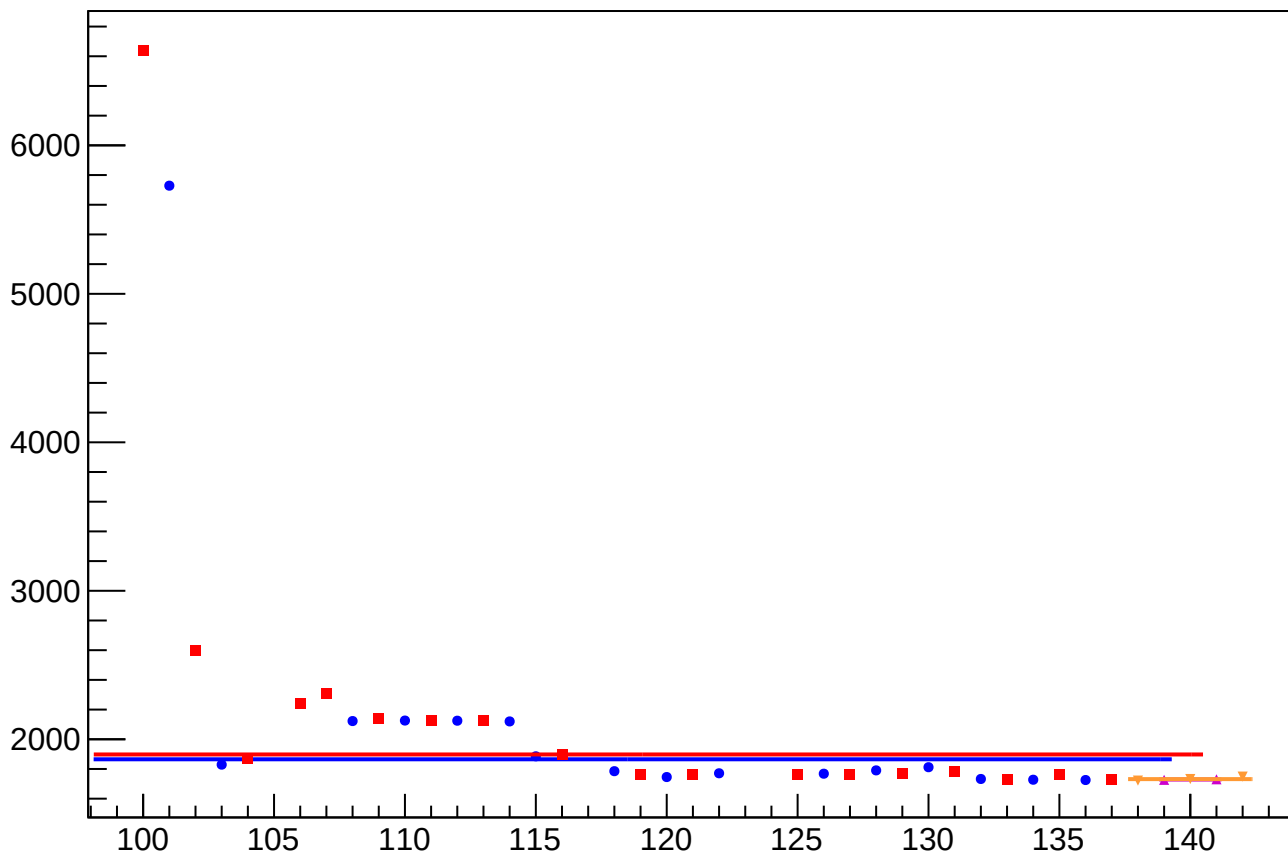
Left In: 935.609 $\pm$ 1313.674 χ^2 /NDF: 1.1/1

+ sign 25.144 $\pm$ 611.532 χ^2 /NDF: 22.9/18

All: 67.878 $\pm$ 437.833 χ^2 /NDF: 42.5/38

- sign 112.821 $\pm$ 627.141 χ^2 /NDF: 19.6/19

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: 1731.686+/-0.852 χ^2/NDF :134.4/2

Right Out: 1897.700+/-0.505 χ^2/NDF : 257735.0/17

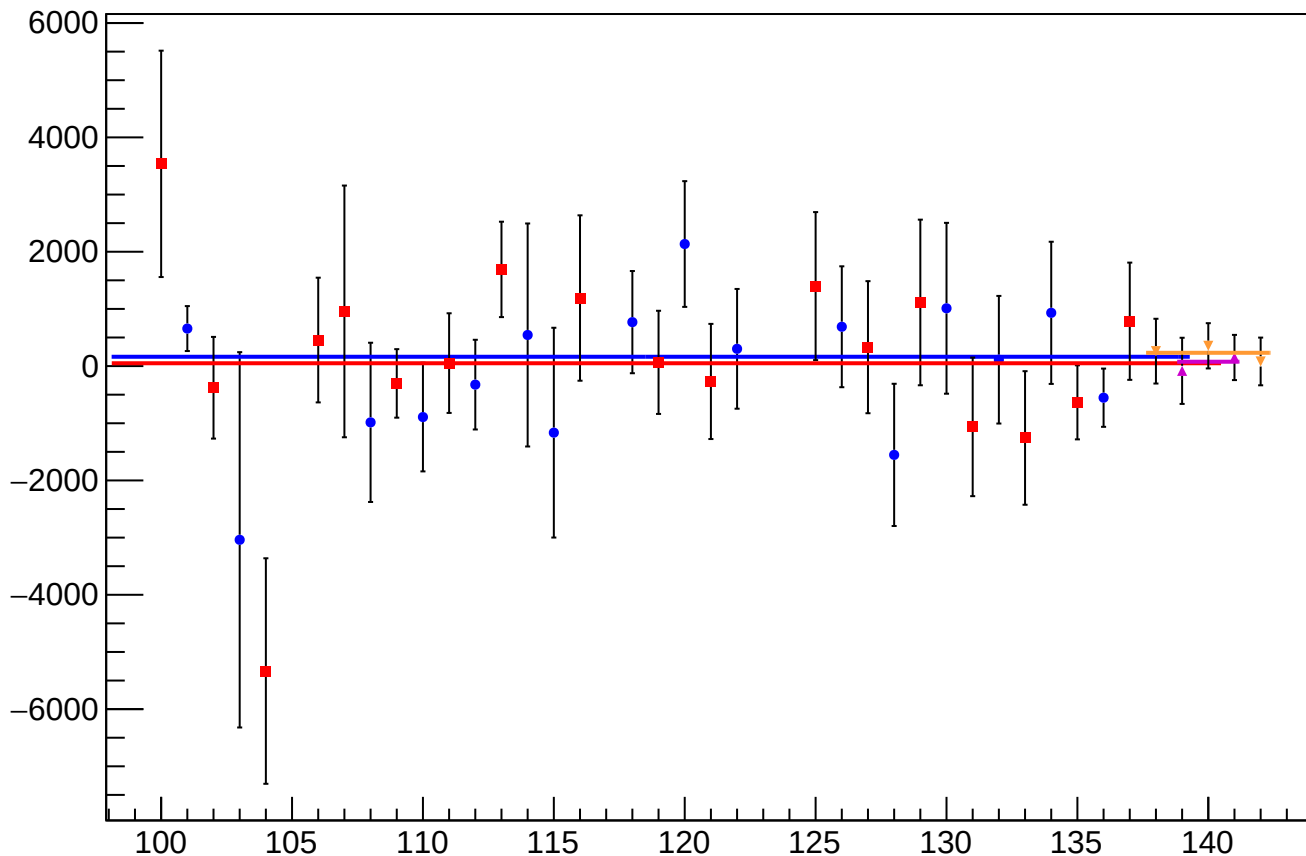
Left In: 1728.741+/-0.929 χ^2/NDF :4.2/1

+ sign 1830.796+/-0.432 χ^2/NDF : 691078.6/18

All: 1844.637+/-0.310 χ^2/NDF : 976463.6/38

- sign 1859.194+/-0.443 χ^2/NDF : 283283.0/19

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: 232.563 $\pm$ 256.094 χ^2 /NDF:0.2/2

Right Out: 49.618 $\pm$ 238.198 χ^2 /NDF: 21.4/17

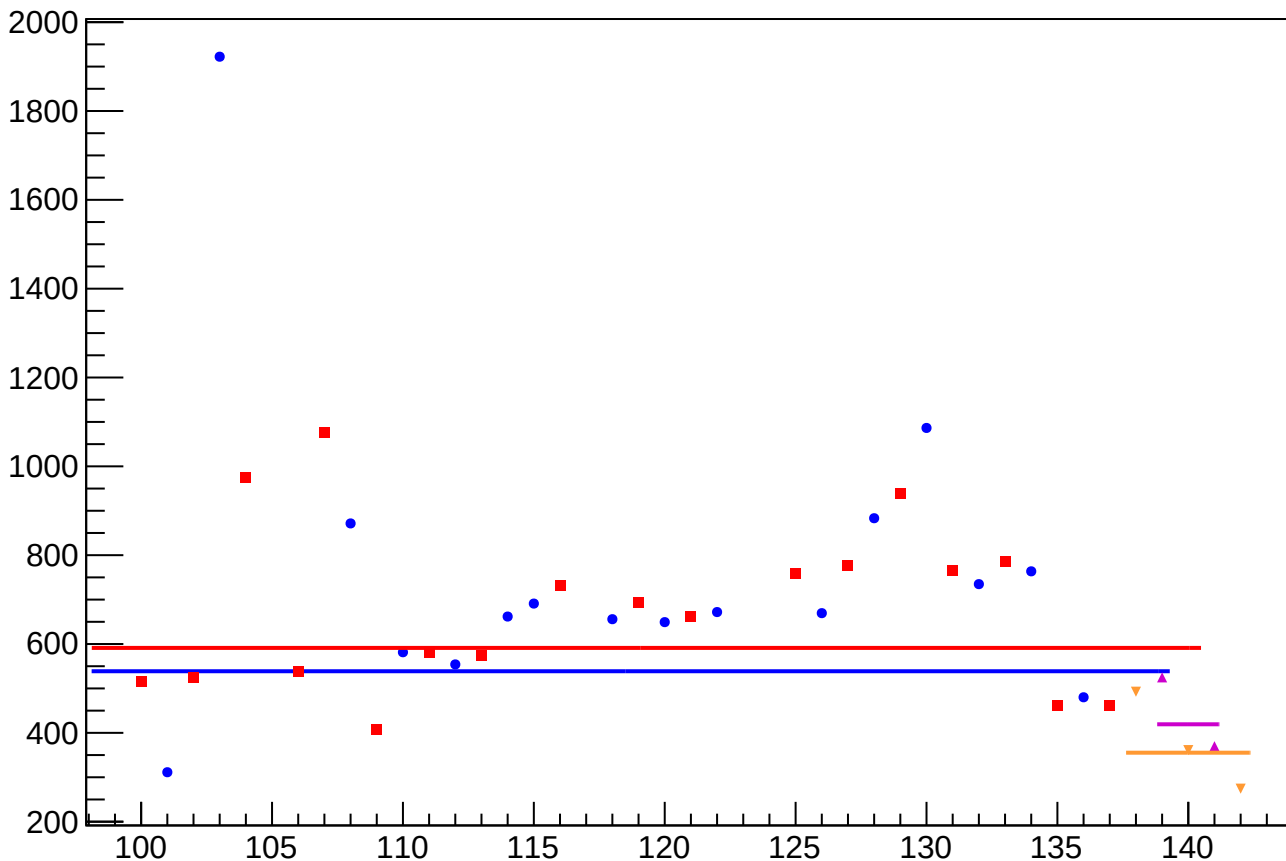
Left In: 76.137 $\pm$ 326.408 χ^2 /NDF:0.1/1

+ sign 192.627 $\pm$ 166.889 χ^2 /NDF: 14.2/18

All: 135.186 $\pm$ 126.073 χ^2 /NDF: 36.0/38

- sign 58.833 $\pm$ 192.412 χ^2 /NDF: 21.6/19

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: 355.327 $\pm$ 0.181 χ^2 /NDF:193285.2/2

Right Out: 591.241 $\pm$ 0.168 χ^2 /NDF: 844536.8/17

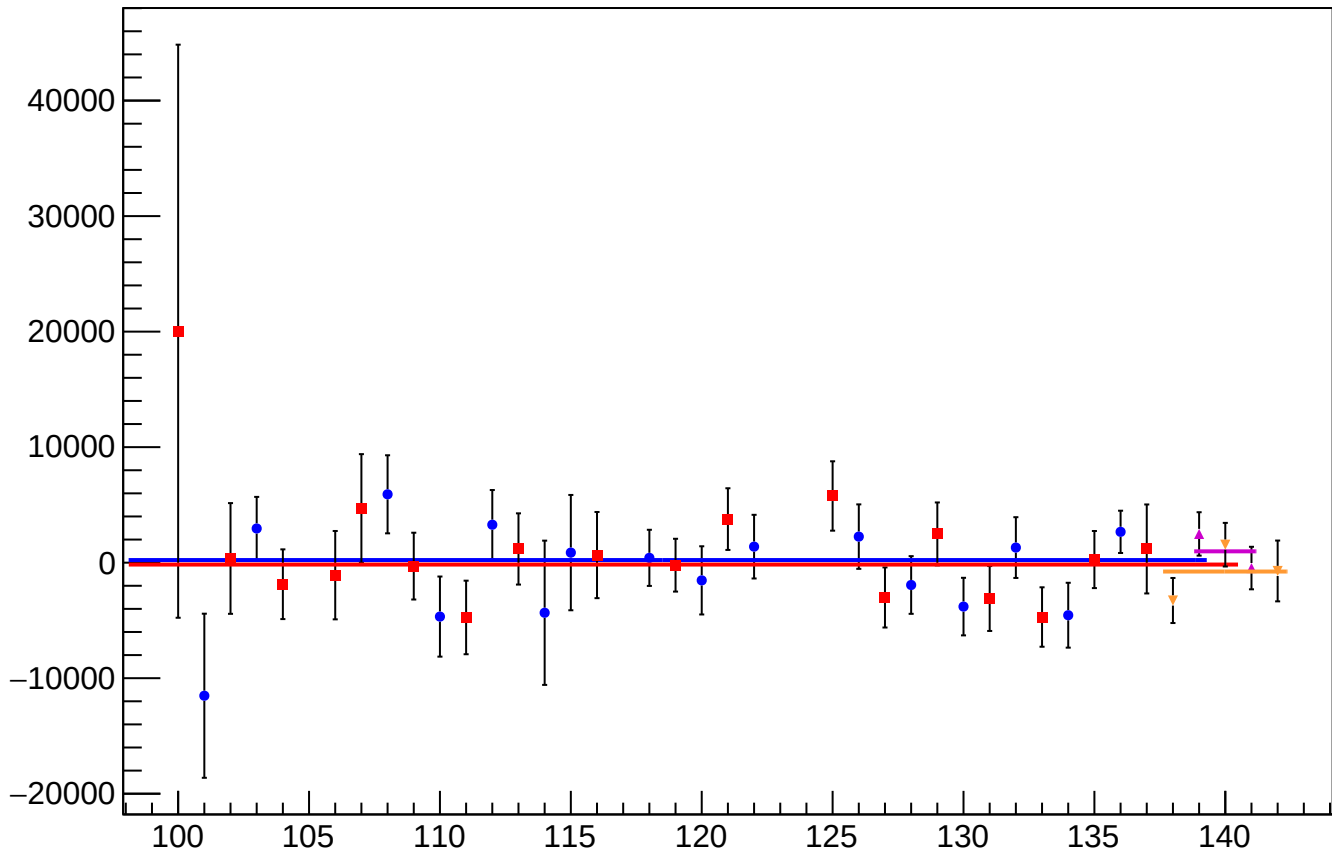
Left In: 419.276 $\pm$ 0.231 χ^2 /NDF:97821.2/1

+ sign 460.828 $\pm$ 0.118 χ^2 /NDF: 2642153.4/18

All: 491.163 $\pm$ 0.089 χ^2 /NDF: 4100649.9/38

- sign 531.485 $\pm$ 0.136 χ^2 /NDF: 1304584.8/19

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227 $\pm$ 718.556 χ^2 /NDF: 19.4/15

Left Out: -767.293 $\pm$ 1205.650 χ^2 /NDF:3.2/2

Right Out: -163.711 $\pm$ 725.798 χ^2 /NDF: 17.0/17

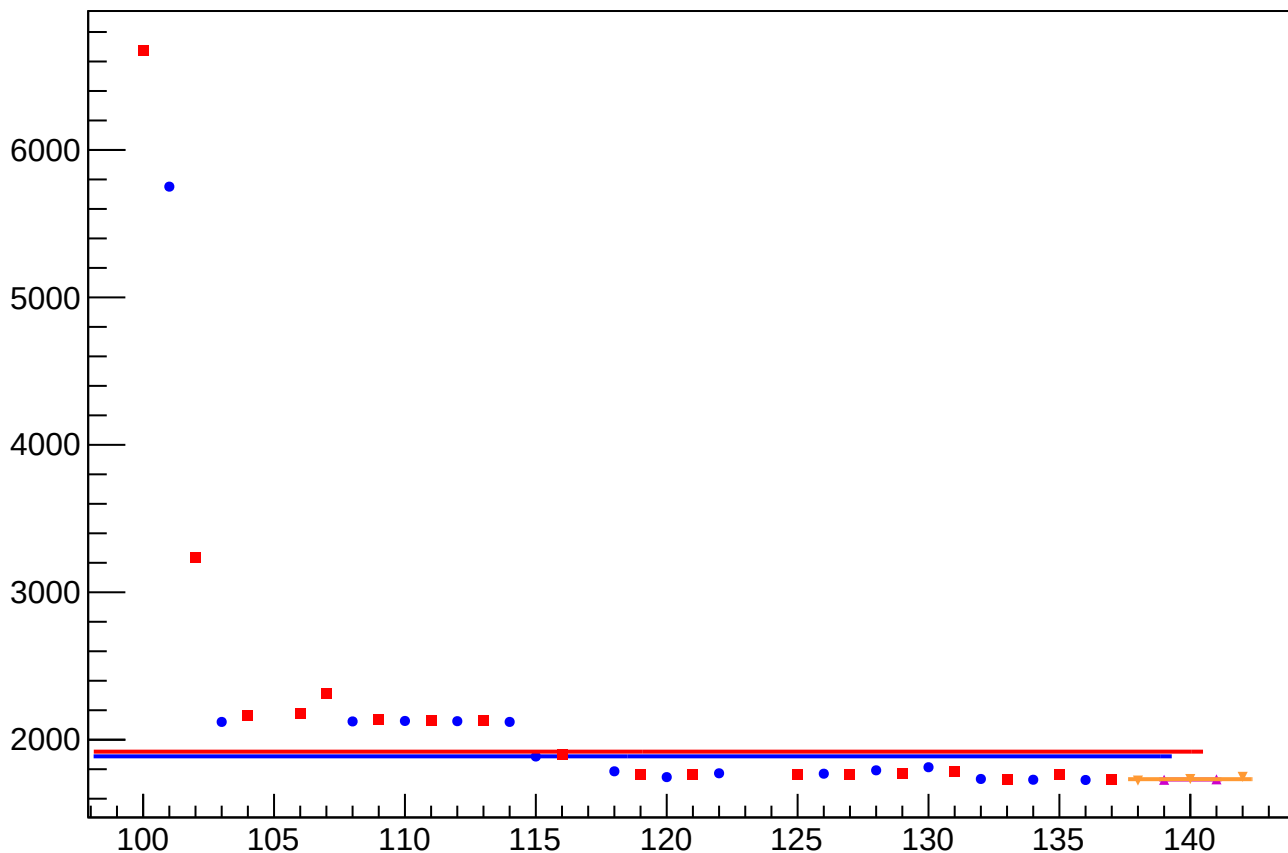
Left In: 980.938 $\pm$ 1314.597 χ^2 /NDF:1.3/1

+ sign -34.179 $\pm$ 617.246 χ^2 /NDF: 23.1/18

All: 32.761 $\pm$ 442.734 χ^2 /NDF: 42.0/38

- sign 103.693 $\pm$ 635.390 χ^2 /NDF: 18.9/19

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF : 689442.6/15

Left Out: 1732.479+/-0.853 χ^2/NDF :120.3/2

Right Out: 1919.164+/-0.513 χ^2/NDF : 352567.1/17

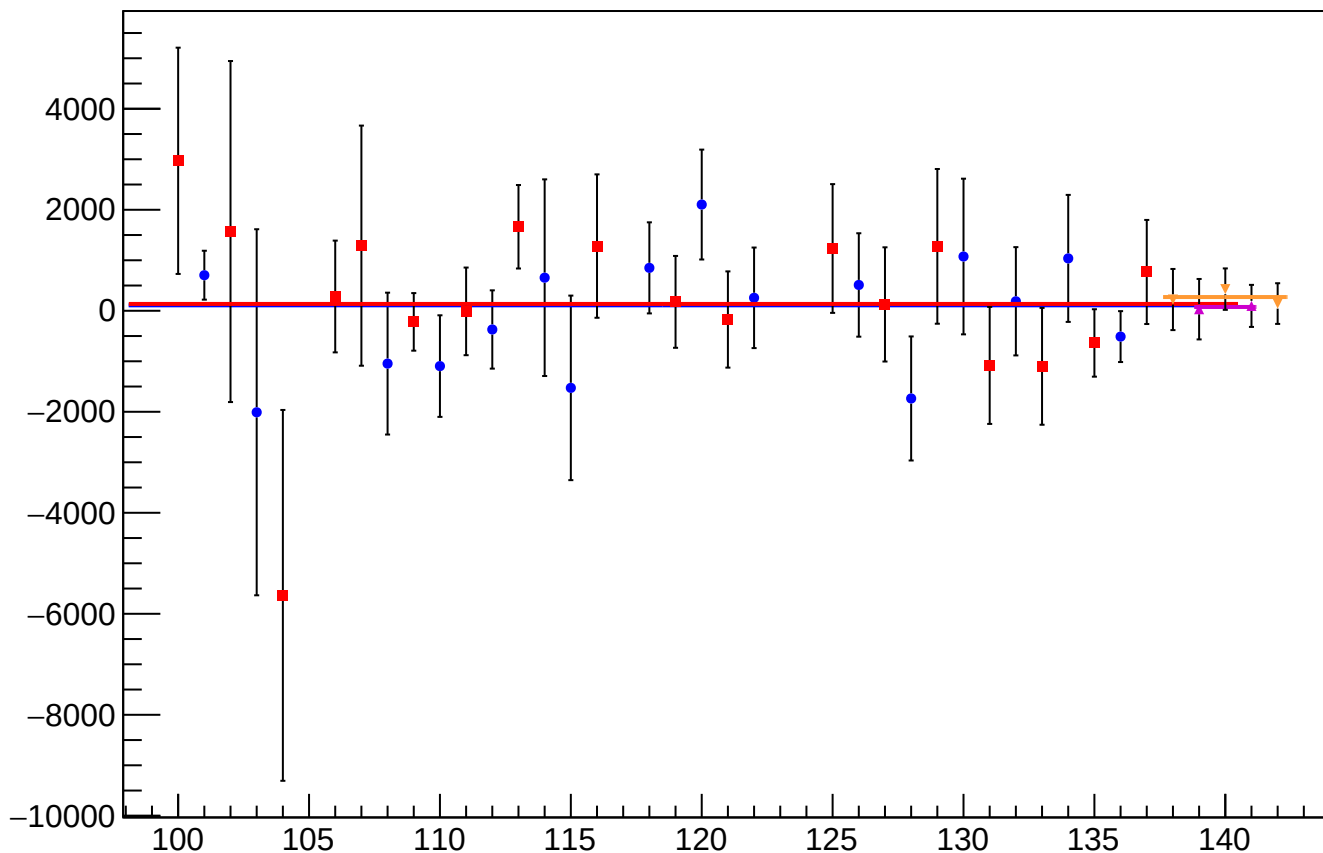
Left In: 1729.943+/-0.930 χ^2/NDF :3.0/1

+ sign 1846.728+/-0.436 χ^2/NDF : 713901.8/18

All: 1860.435+/-0.313 χ^2/NDF : 1100259.7/38

- sign 1874.960+/-0.449 χ^2/NDF : 384326.6/19

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: 271.899 $\pm$ 259.601 χ^2 /NDF:0.3/2

Right Out: 135.358 $\pm$ 245.933 χ^2 /NDF: 14.4/17

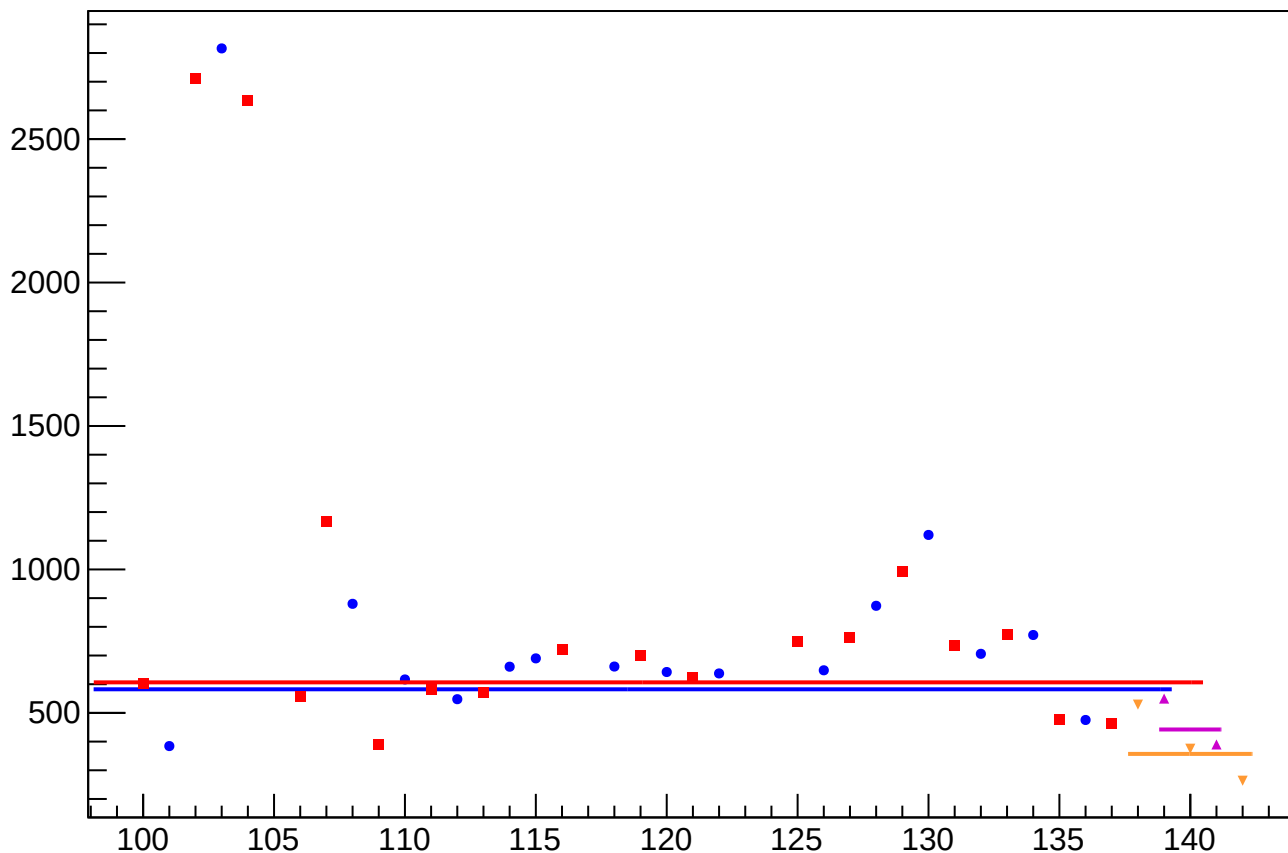
Left In: 75.333 $\pm$ 341.769 χ^2 /NDF:0.0/1

+ sign 180.748 $\pm$ 172.867 χ^2 /NDF: 14.6/18

All: 152.521 $\pm$ 130.679 χ^2 /NDF: 29.1/38

- sign 114.880 $\pm$ 199.622 χ^2 /NDF: 14.4/19

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: 357.070 $\pm$ 0.184 χ^2 /NDF: 272724.1/2

Right Out: 606.451 $\pm$ 0.174 χ^2 /NDF: 2198399.5/17

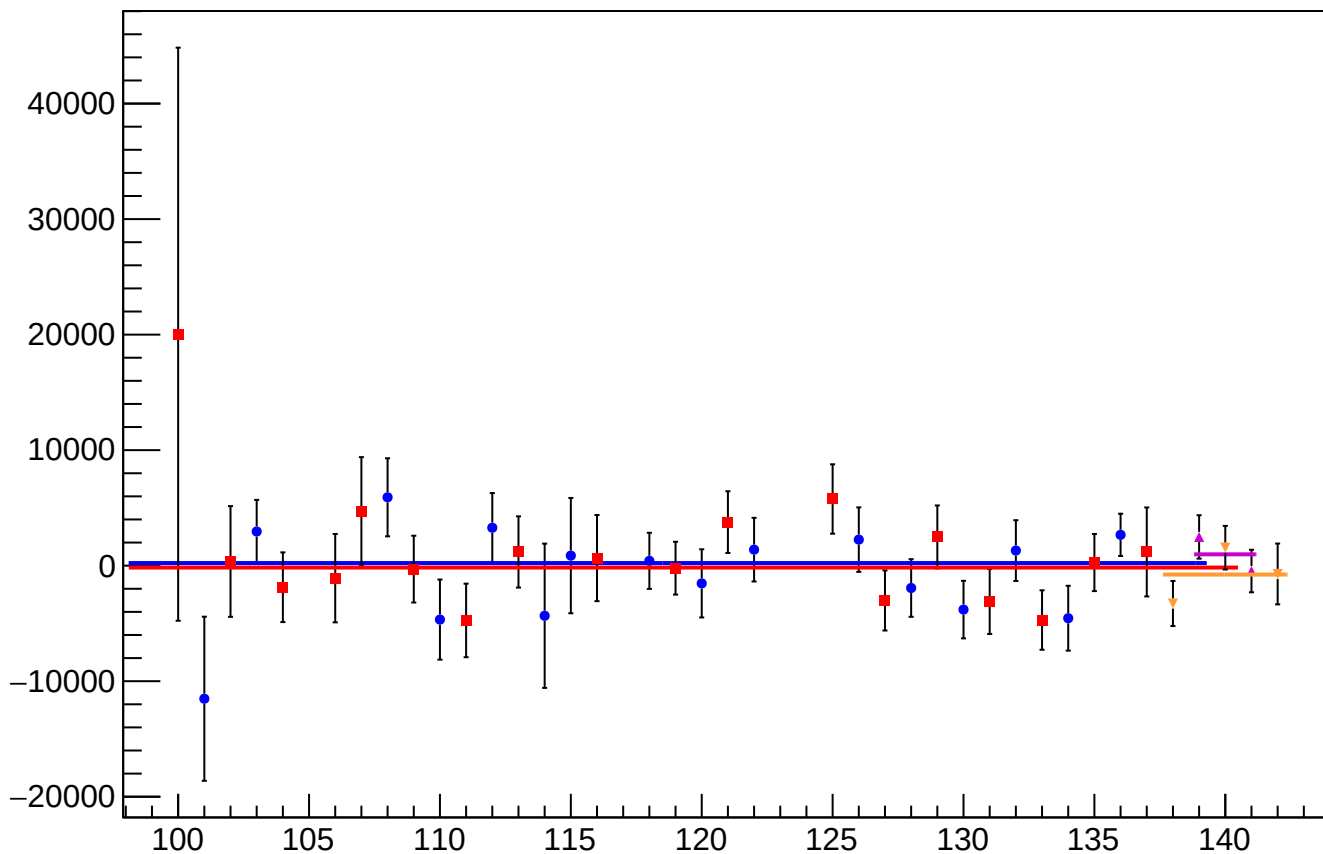
Left In: 442.180 $\pm$ 0.242 χ^2 /NDF: 96214.4/1

+ sign 482.413 $\pm$ 0.122 χ^2 /NDF: 2864715.2/18

All: 511.552 $\pm$ 0.092 χ^2 /NDF: 5596351.3/38

- sign 550.409 $\pm$ 0.141 χ^2 /NDF: 2599031.5/19

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227 $\pm$ 718.556 χ^2 /NDF: 19.4/15

Left Out: -767.293 $\pm$ 1205.650 χ^2 /NDF:3.2/2

Right Out: -163.711 $\pm$ 725.798 χ^2 /NDF: 17.0/17

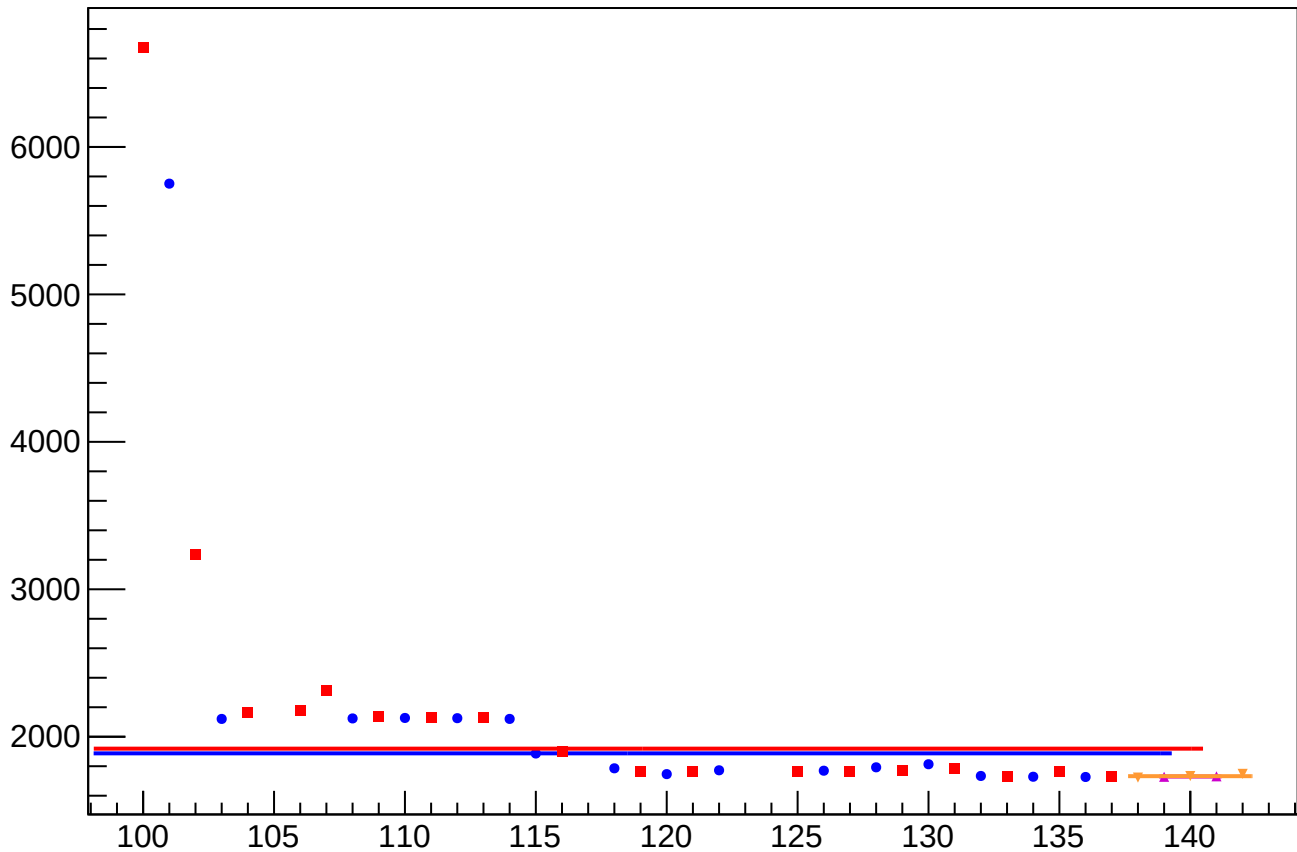
Left In: 980.938 $\pm$ 1314.597 χ^2 /NDF:1.3/1

+ sign -34.178 $\pm$ 617.246 χ^2 /NDF: 23.1/18

All: 32.761 $\pm$ 442.734 χ^2 /NDF: 42.0/38

- sign 103.693 $\pm$ 635.390 χ^2 /NDF: 18.9/19

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: 1732.479+/-0.853 χ^2/NDF :120.3/2

Right Out: 1919.164+/-0.513 χ^2/NDF : 352566.4/17

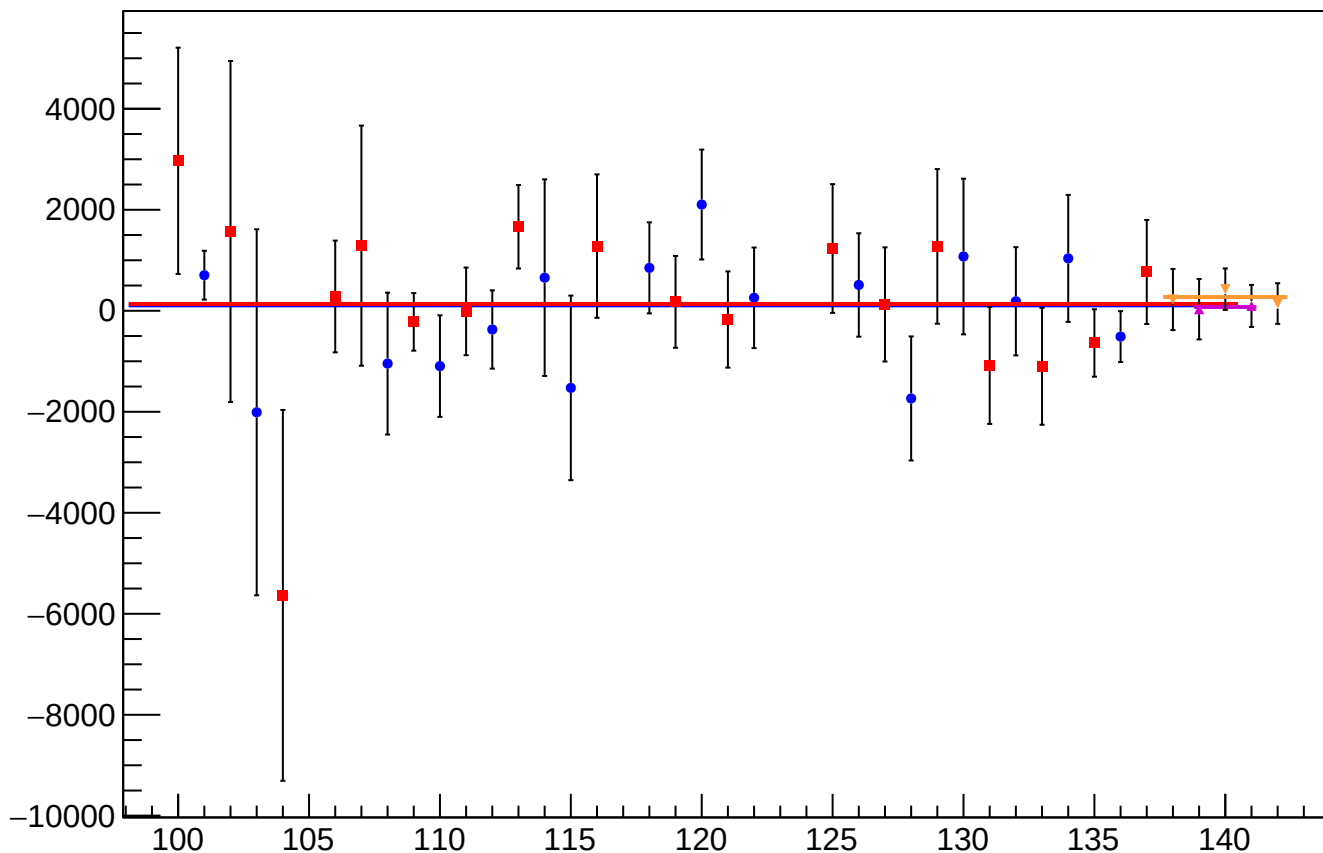
Left In: 1729.943+/-0.930 χ^2/NDF :3.0/1

+ sign 1846.728+/-0.436 χ^2/NDF : 713901.4/18

All: 1860.435+/-0.313 χ^2/NDF : 1100258.6/38

- sign 1874.960+/-0.449 χ^2/NDF : 384325.8/19

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: 271.895 $\pm$ 259.603 χ^2 /NDF:0.3/2

Right Out: 135.356 $\pm$ 245.932 χ^2 /NDF: 14.4/17

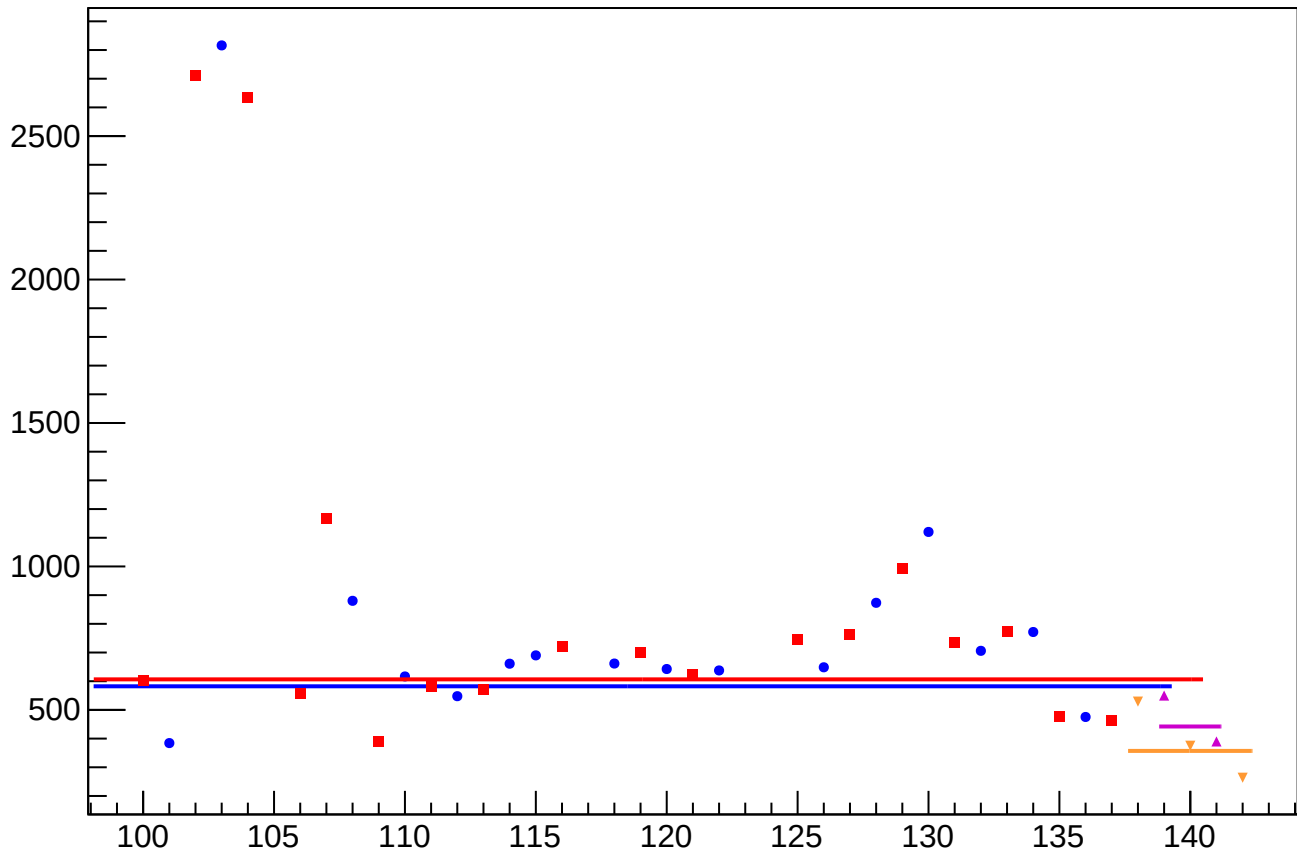
Left In: 75.333 $\pm$ 341.771 χ^2 /NDF:0.0/1

+ sign 180.744 $\pm$ 172.867 χ^2 /NDF: 14.6/18

All: 152.518 $\pm$ 130.679 χ^2 /NDF: 29.1/38

- sign 114.879 $\pm$ 199.622 χ^2 /NDF: 14.4/19

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: 357.073 $\pm$ 0.184 χ^2 /NDF: 272719.9/2

Right Out: 606.447 $\pm$ 0.174 χ^2 /NDF: 2198414.3/17

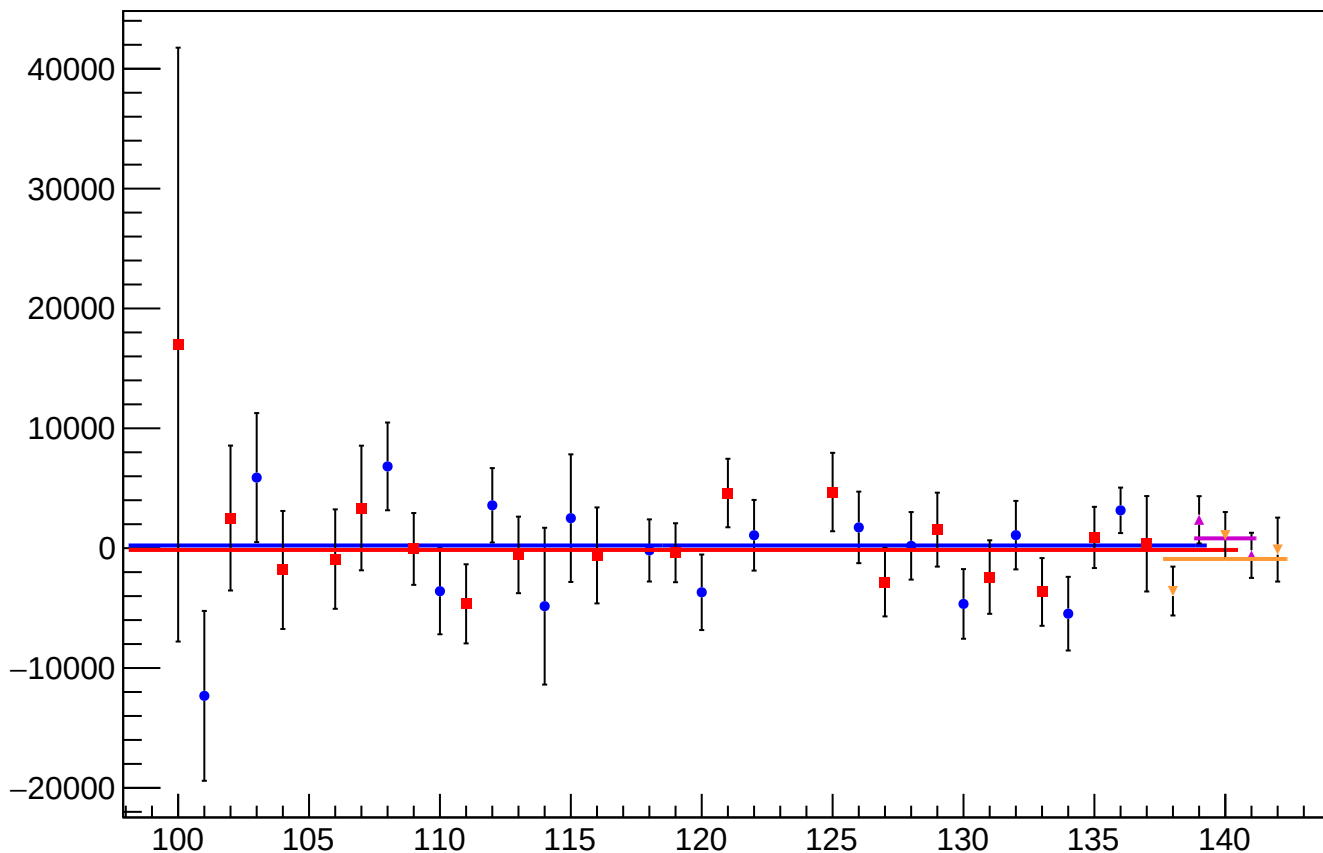
Left In: 442.181 $\pm$ 0.242 χ^2 /NDF: 96215.9/1

+ sign 482.415 $\pm$ 0.122 χ^2 /NDF: 2864663.3/18

All: 511.552 $\pm$ 0.092 χ^2 /NDF: 5596286.9/38

- sign 550.408 $\pm$ 0.141 χ^2 /NDF: 2599028.7/19

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521 ± 791.678 χ^2/NDF : 21.2/15

Left Out: -901.407 ± 1240.682 χ^2/NDF : 2.9/2

Right Out: -147.974 ± 794.180 χ^2/NDF : 11.6/17

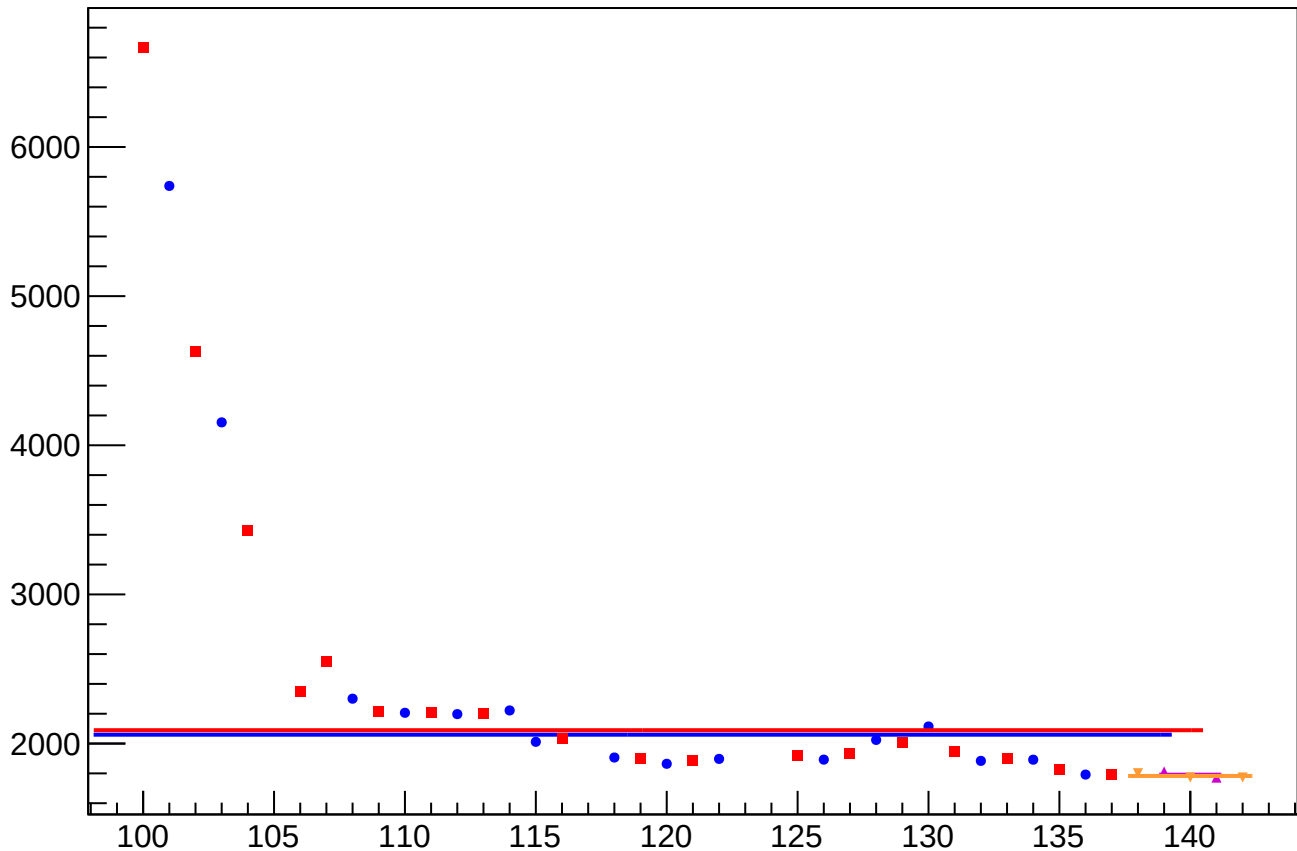
Left In: 818.389 ± 1361.333 χ^2/NDF : 1.2/1

+ sign -101.271 ± 667.383 χ^2/NDF : 24.6/18

All: -4.663 ± 478.351 χ^2/NDF : 37.8/38

- sign 97.404 ± 685.981 χ^2/NDF : 13.1/19

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496 $\pm$ 0.560 χ^2 /NDF: 939873.6/15

Left Out: 1782.752 $\pm$ 0.877 χ^2 /NDF:251.1/2

Right Out: 2089.476 $\pm$ 0.562 χ^2 /NDF: 681465.8/17

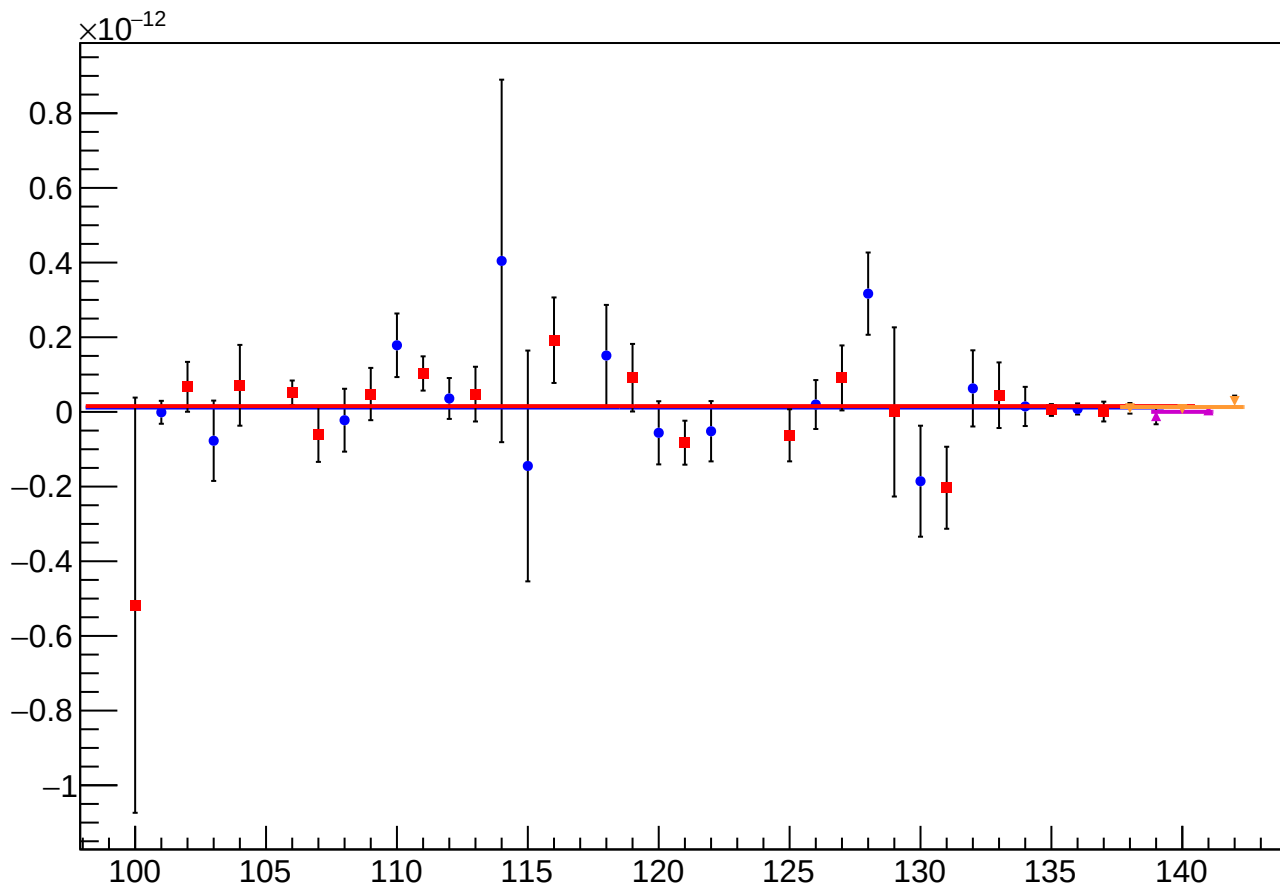
Left In: 1791.329 $\pm$ 0.963 χ^2 /NDF:453.1/1

+ sign 1979.419 $\pm$ 0.472 χ^2 /NDF: 1010841.0/18

All: 1996.123 $\pm$ 0.338 χ^2 /NDF: 1766909.8/38

- sign 2013.771 $\pm$ 0.485 χ^2 /NDF: 753492.1/19

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: 1.6/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/17

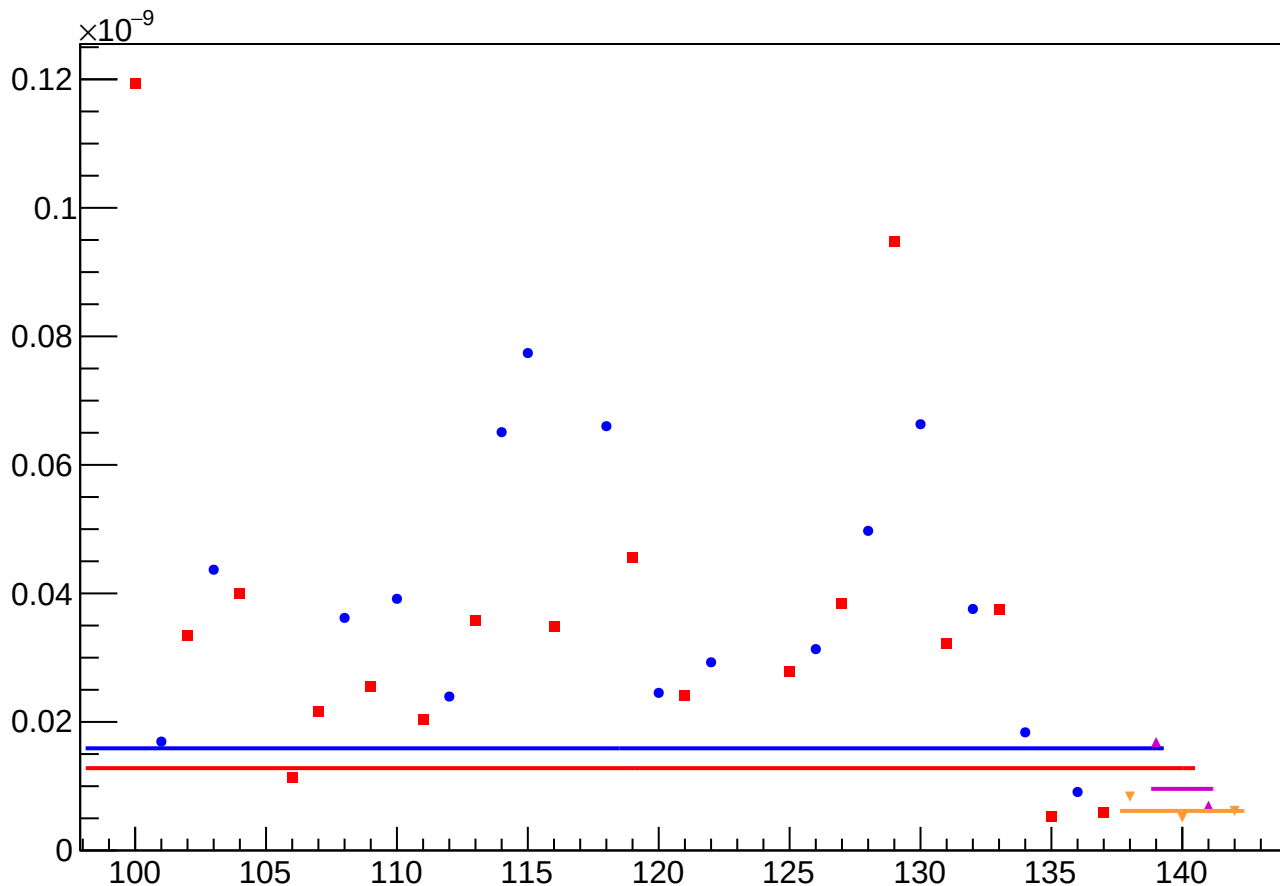
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.1/19

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 : 72228.5/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2486058.2/17

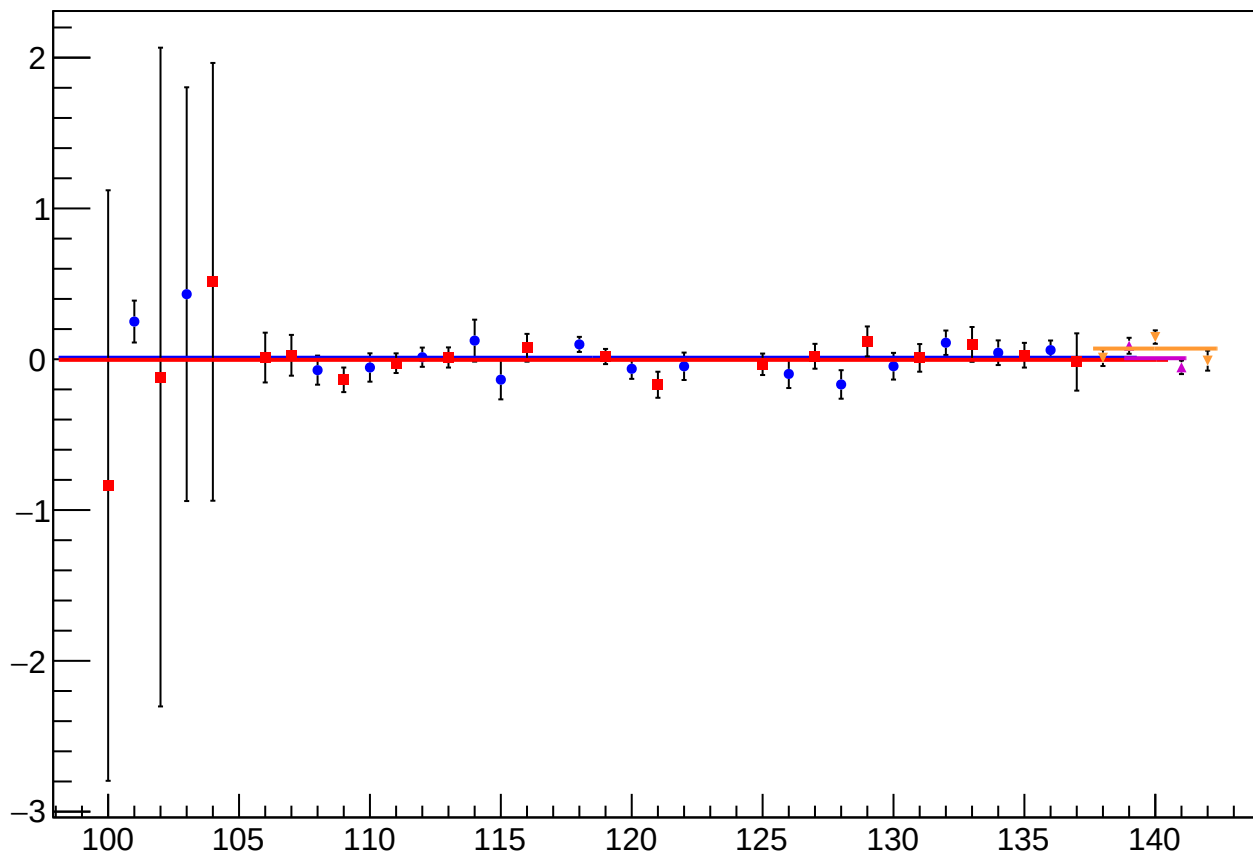
Left In: 0.000+/-0.000 χ^2/NDF : 300562.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 3047047.6/18

All: 0.000+/-0.000 χ^2/NDF : 6053756.7/38

- sign 0.000+/-0.000 χ^2/NDF : 2873023.5/19

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: 0.071 $\pm$ 0.031 χ^2 /NDF: 5.6/2

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

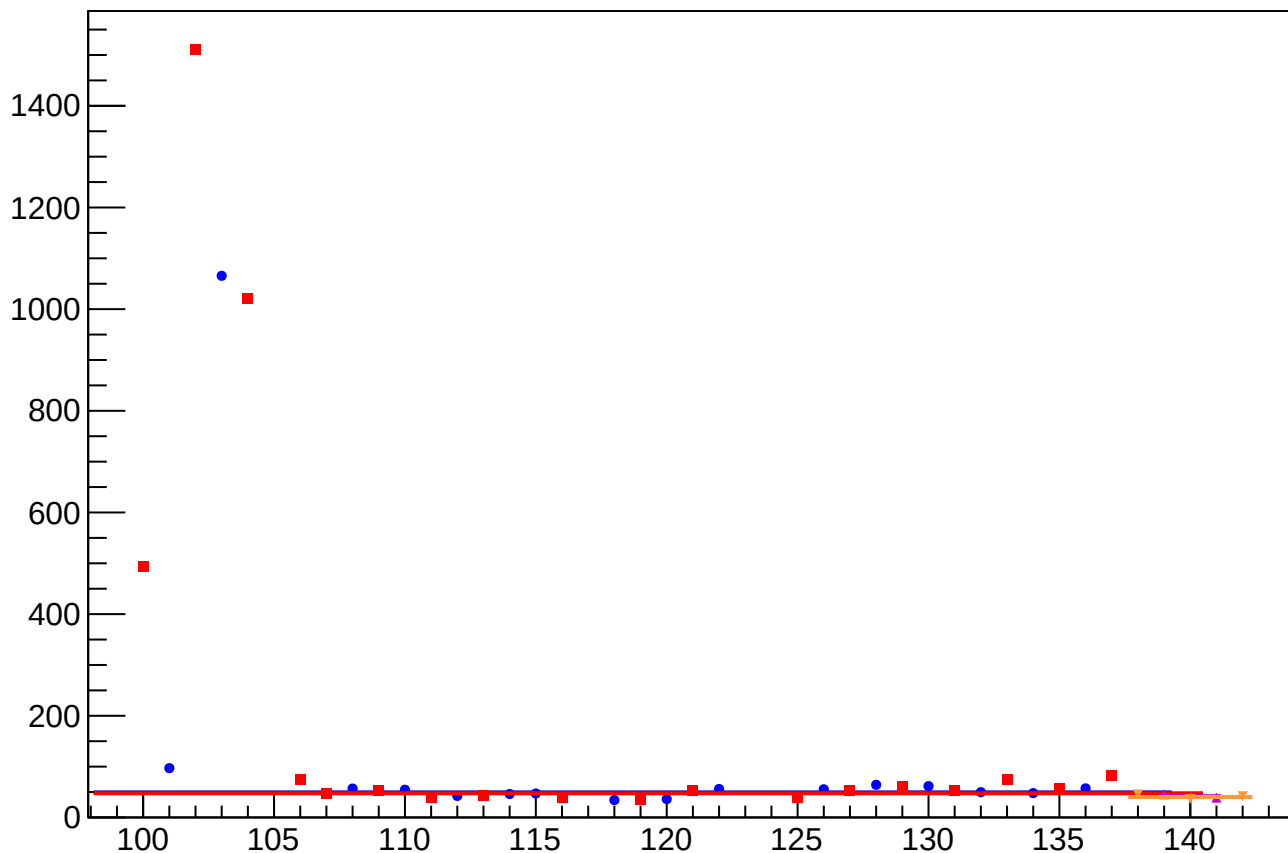
Left In: 0.007 $\pm$ 0.034 χ^2 /NDF: 4.2/1

+ sign 0.029 $\pm$ 0.017 χ^2 /NDF: 26.7/18

All: 0.015 $\pm$ 0.013 χ^2 /NDF: 43.0/38

- sign -0.001 $\pm$ 0.018 χ^2 /NDF: 14.8/19

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: 40.267+/-0.022 χ^2/NDF : 33098.0/2

Right Out: 47.599+/-0.015 χ^2/NDF : 2418219.3/17

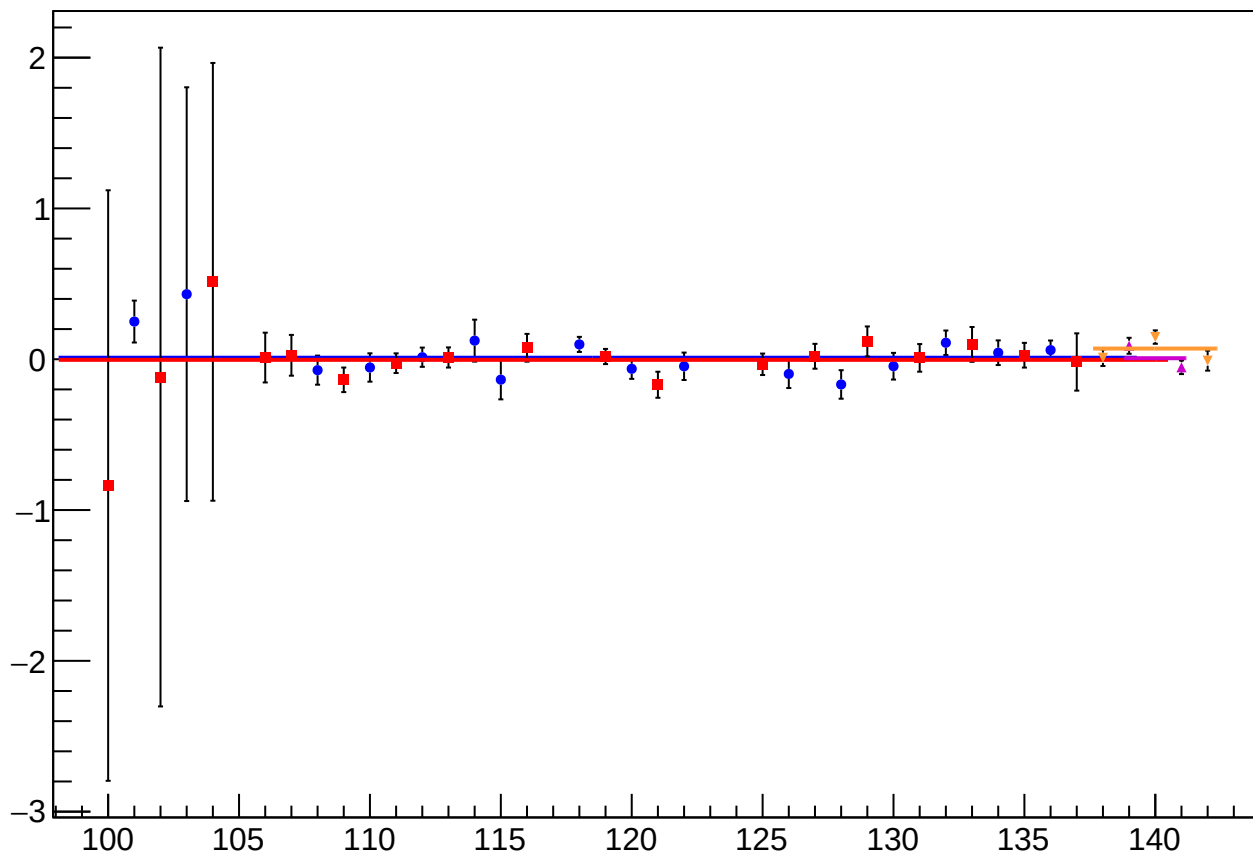
Left In: 41.815+/-0.024 χ^2/NDF : 17743.2/1

+ sign 46.446+/-0.012 χ^2/NDF : 1929268.4/18

All: 46.221+/-0.009 χ^2/NDF : 4406737.9/38

- sign 45.971+/-0.013 χ^2/NDF : 2476752.7/19

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.021 χ^2 /NDF: 18.4/15

Left Out: 0.071 $\pm$ 0.031 χ^2 /NDF: 5.6/2

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

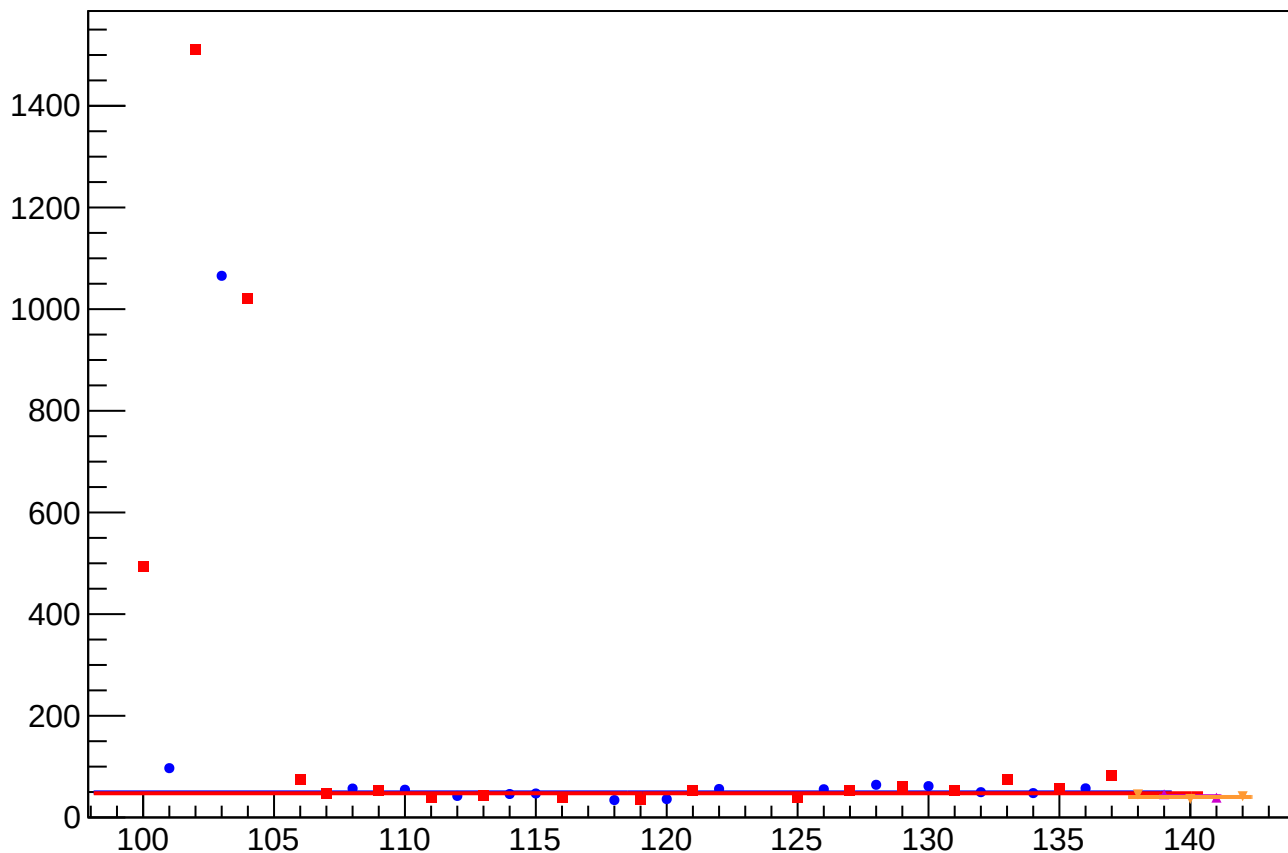
Left In: 0.007 $\pm$ 0.034 χ^2 /NDF: 4.2/1

+ sign 0.029 $\pm$ 0.017 χ^2 /NDF: 26.7/18

All: 0.015 $\pm$ 0.013 χ^2 /NDF: 43.0/38

- sign -0.001 $\pm$ 0.018 χ^2 /NDF: 14.8/19

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: 40.267+/-0.022 χ^2/NDF : 33098.0/2

Right Out: 47.599+/-0.015 χ^2/NDF : 2418219.3/17

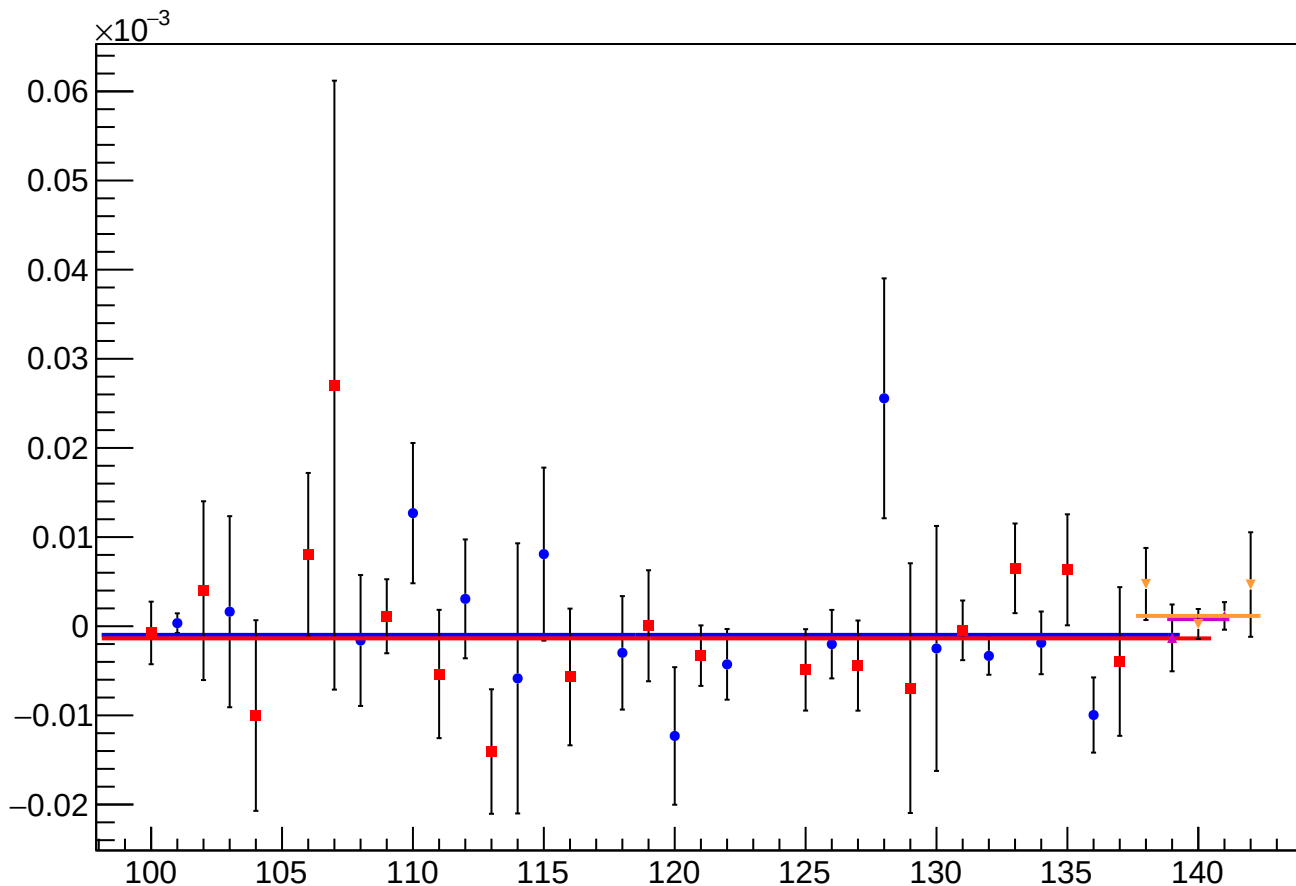
Left In: 41.815+/-0.024 χ^2/NDF : 17743.2/1

+ sign 46.446+/-0.012 χ^2/NDF : 1929268.4/18

All: 46.221+/-0.009 χ^2/NDF : 4406737.9/38

- sign 45.971+/-0.013 χ^2/NDF : 2476752.7/19

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.4/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

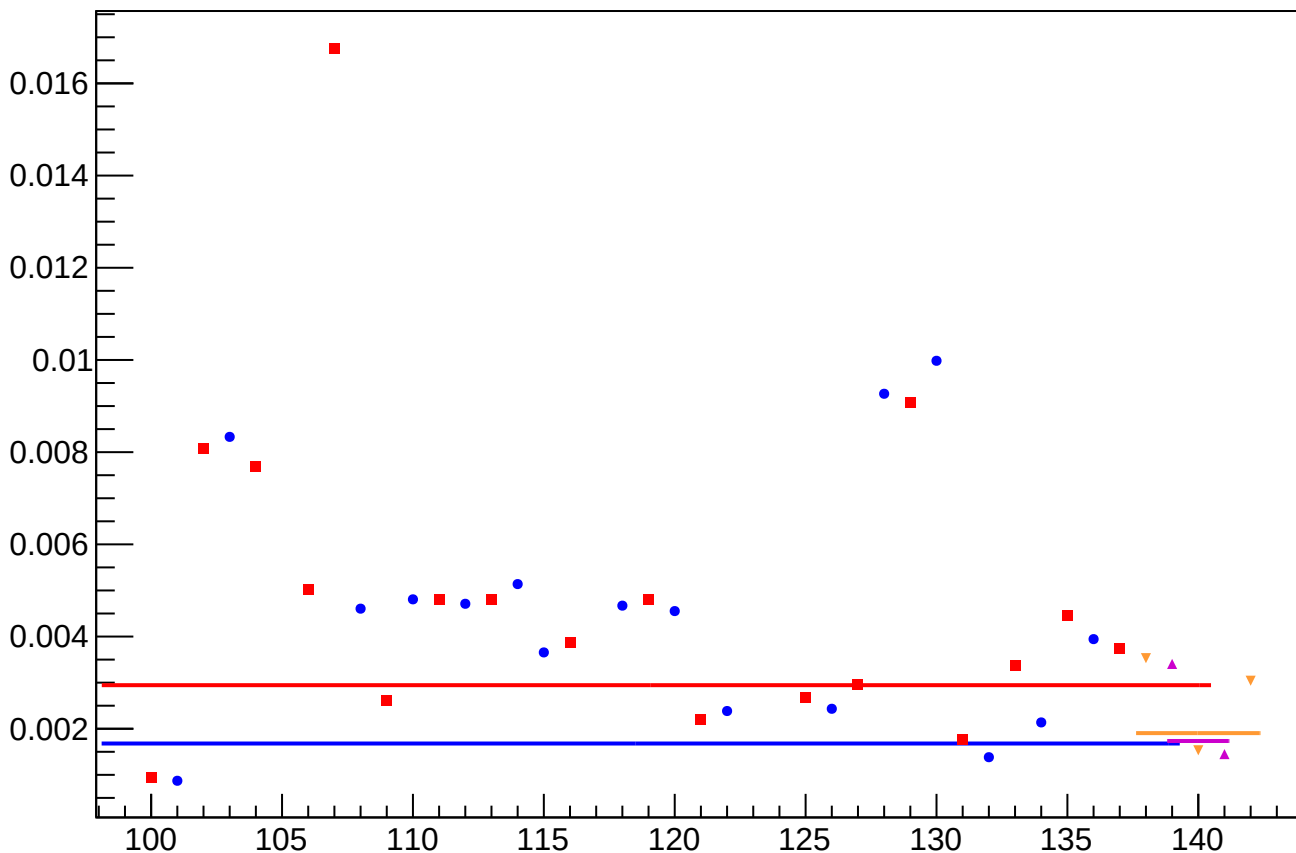
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 21.6/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.9/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/19

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 5960235.0/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 497555.6/2

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 3379848.5/17

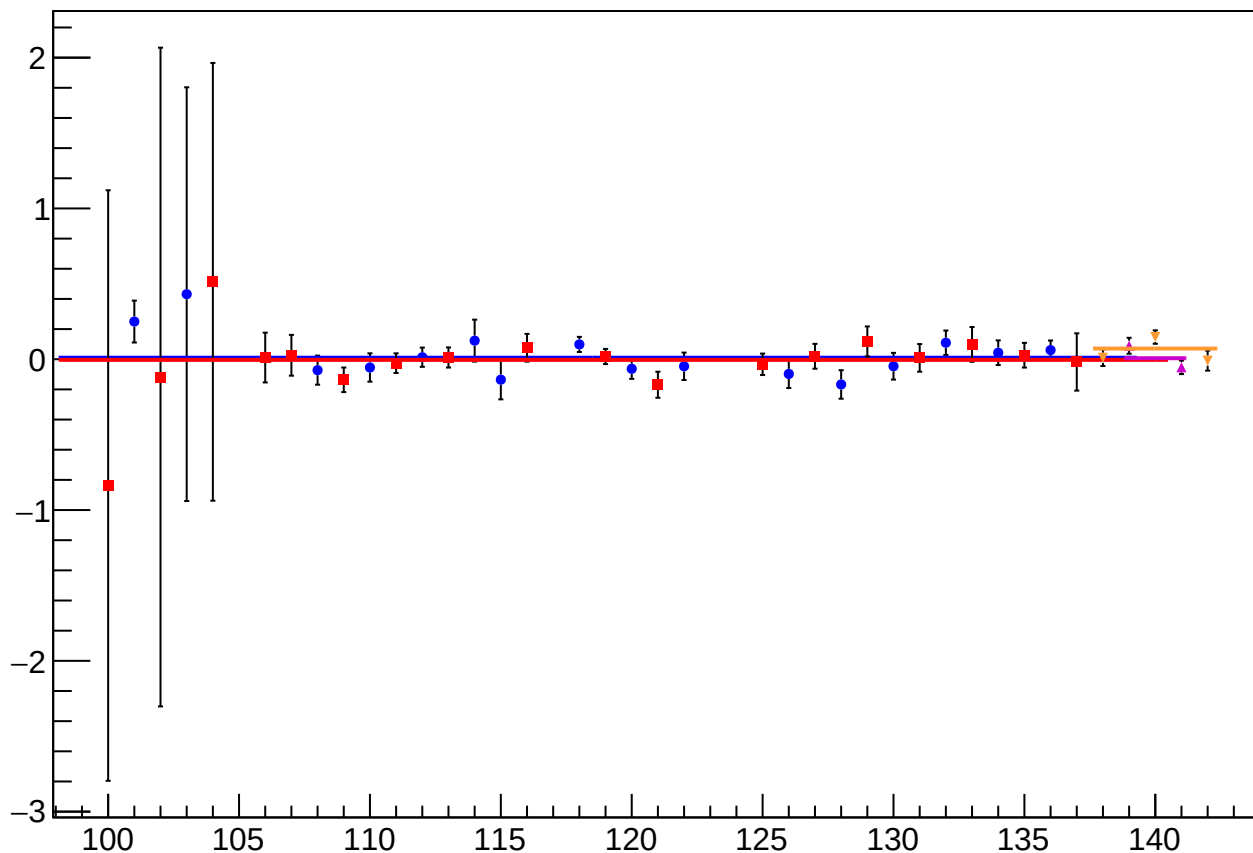
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 465684.6/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 6492516.7/18

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 11749744.6/38

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4636914.6/19

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: 0.071 $\pm$ 0.031 χ^2 /NDF: 5.6/2

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

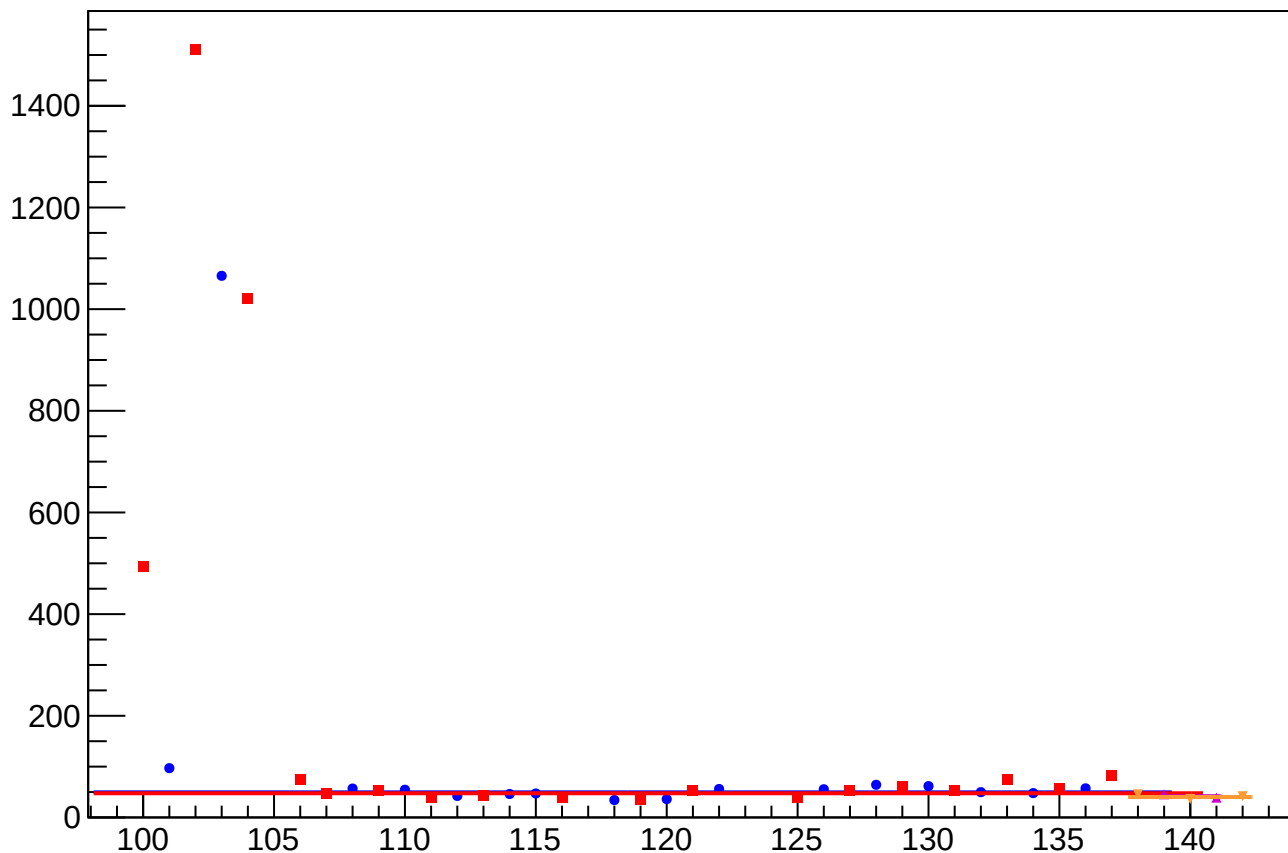
Left In: 0.007 $\pm$ 0.034 χ^2 /NDF: 4.2/1

+ sign 0.029 $\pm$ 0.017 χ^2 /NDF: 26.7/18

All: 0.015 $\pm$ 0.013 χ^2 /NDF: 43.0/38

- sign -0.001 $\pm$ 0.018 χ^2 /NDF: 14.8/19

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: 40.267+/-0.022 χ^2/NDF : 33105.8/2

Right Out: 47.598+/-0.015 χ^2/NDF : 2418253.9/17

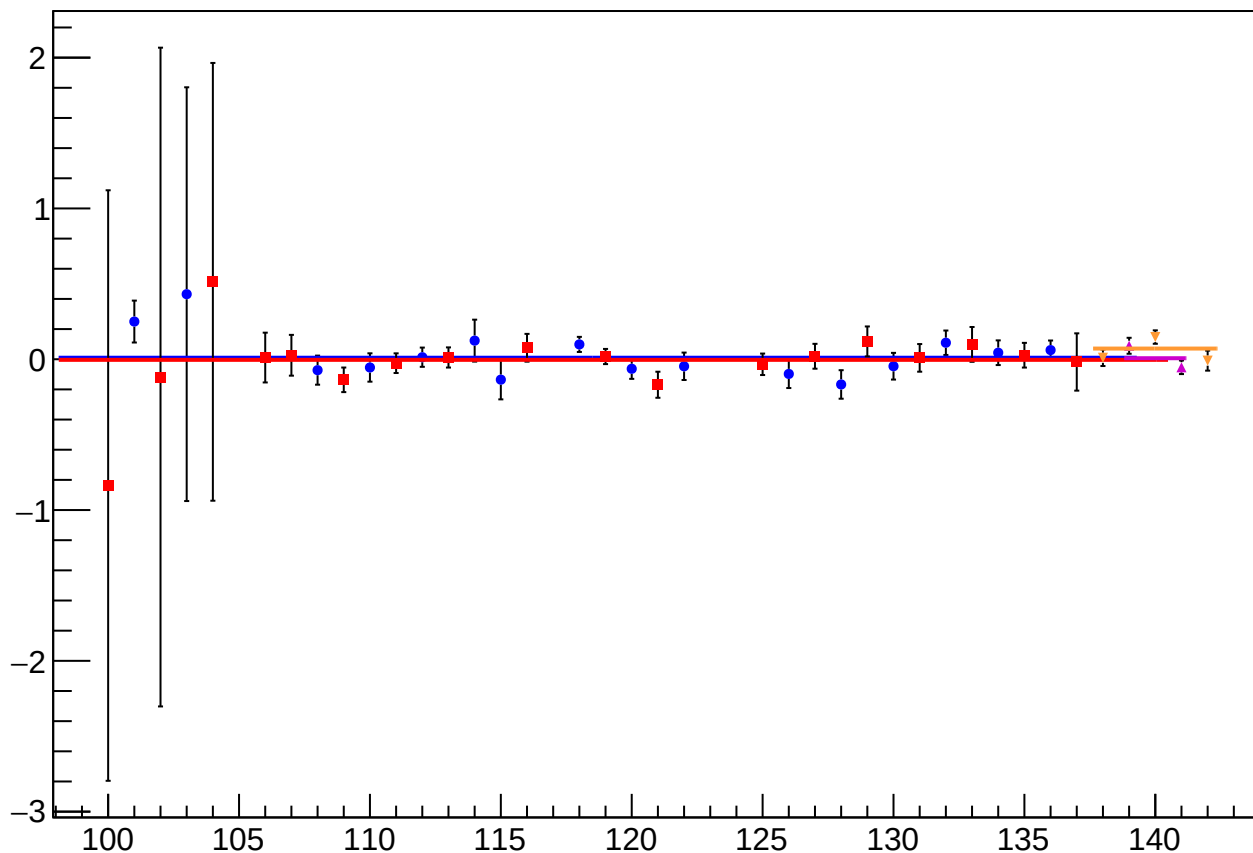
Left In: 41.814+/-0.024 χ^2/NDF : 17742.4/1

+ sign 46.447+/-0.012 χ^2/NDF : 1929208.5/18

All: 46.221+/-0.009 χ^2/NDF : 4406710.4/38

- sign 45.970+/-0.013 χ^2/NDF : 2476781.8/19

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 ± 0.021 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 0.071 ± 0.031 $\chi^2/\text{NDF}: 5.6/2$

Right Out: -0.004 ± 0.021 $\chi^2/\text{NDF}: 10.5/17$

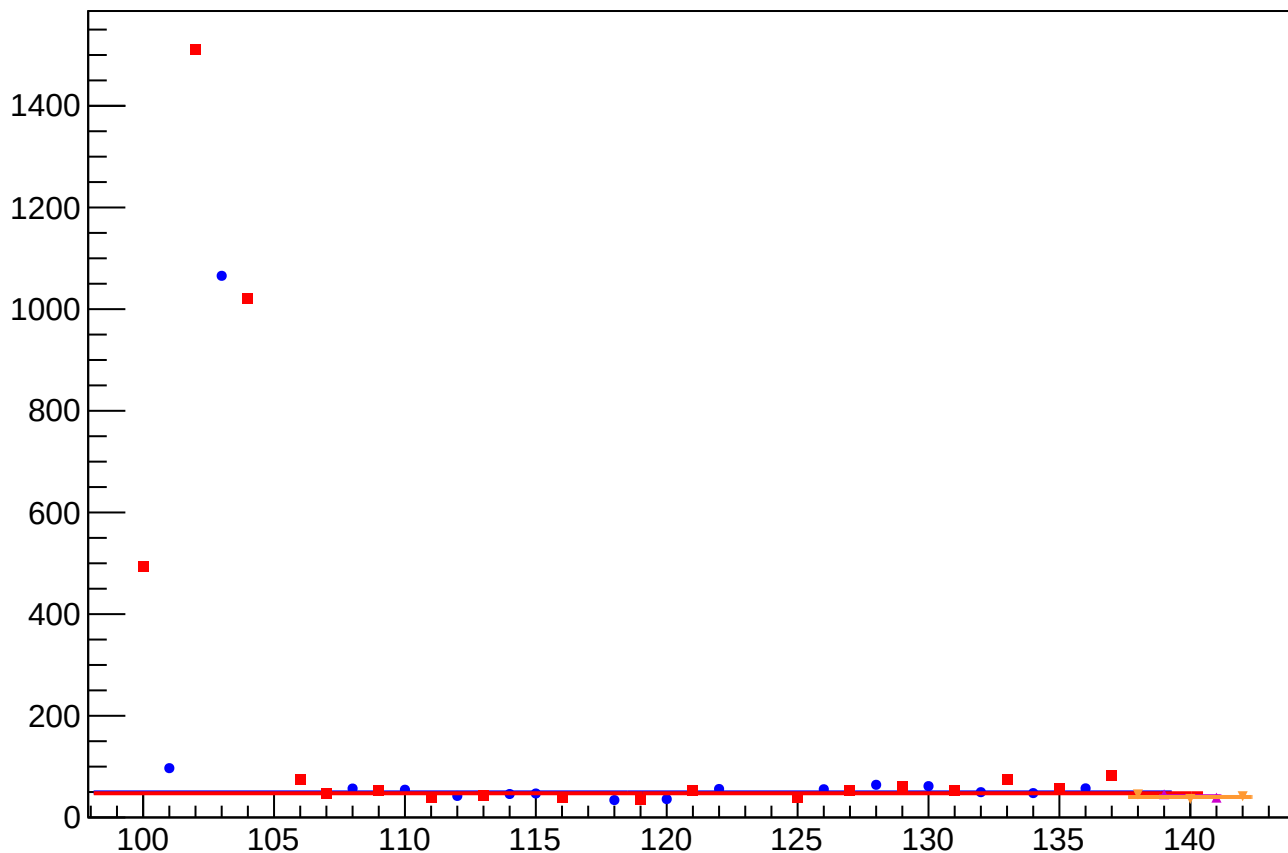
Left In: 0.007 ± 0.034 $\chi^2/\text{NDF}: 4.2/1$

+ sign 0.029 ± 0.017 $\chi^2/\text{NDF}: 26.7/18$

All: 0.015 ± 0.013 $\chi^2/\text{NDF}: 43.0/38$

- sign -0.001 ± 0.018 $\chi^2/\text{NDF}: 14.8/19$

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: 40.267+/-0.022 χ^2/NDF : 33105.8/2

Right Out: 47.598+/-0.015 χ^2/NDF : 2418253.9/17

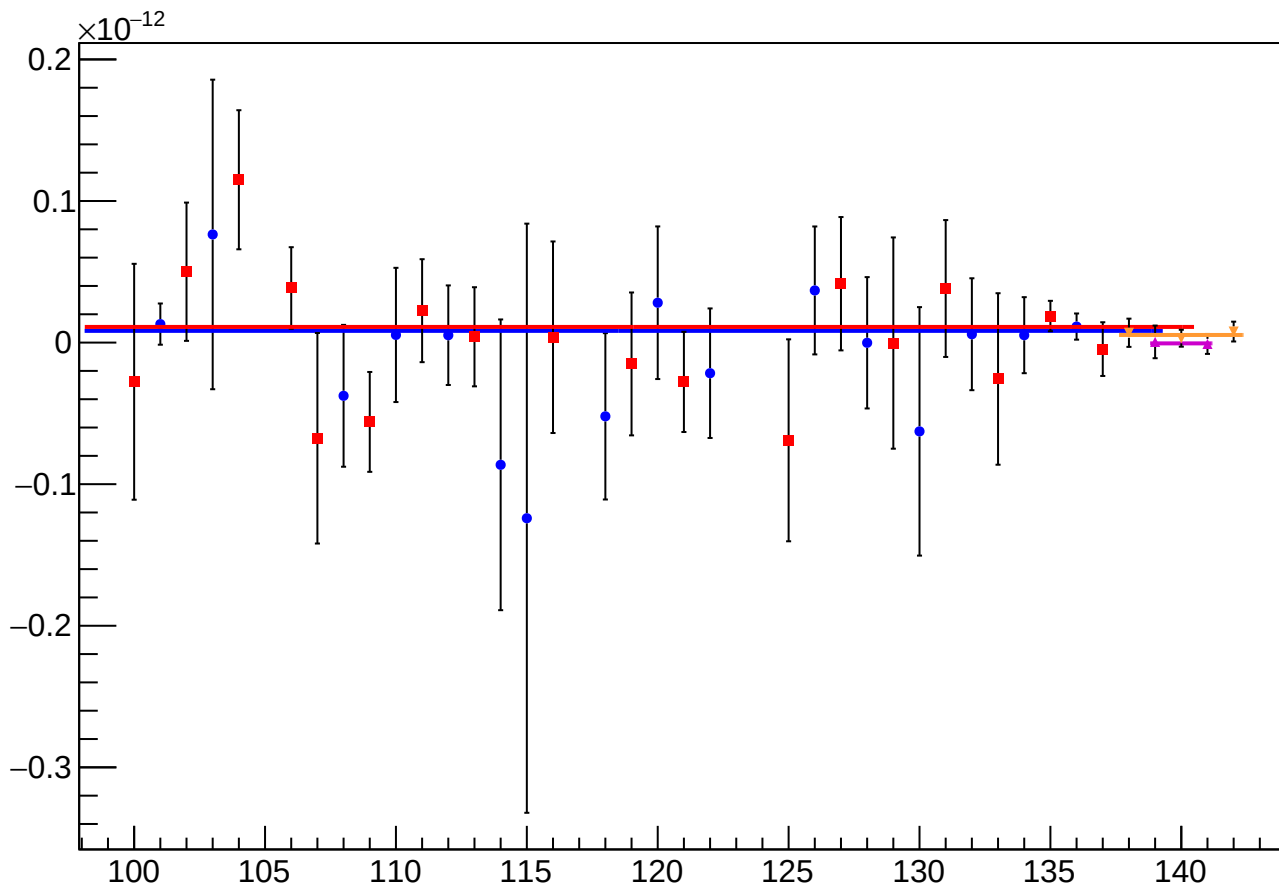
Left In: 41.814+/-0.024 χ^2/NDF : 17742.4/1

+ sign 46.447+/-0.012 χ^2/NDF : 1929208.5/18

All: 46.221+/-0.009 χ^2/NDF : 4406710.4/38

- sign 45.970+/-0.013 χ^2/NDF : 2476781.8/19

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.2/17

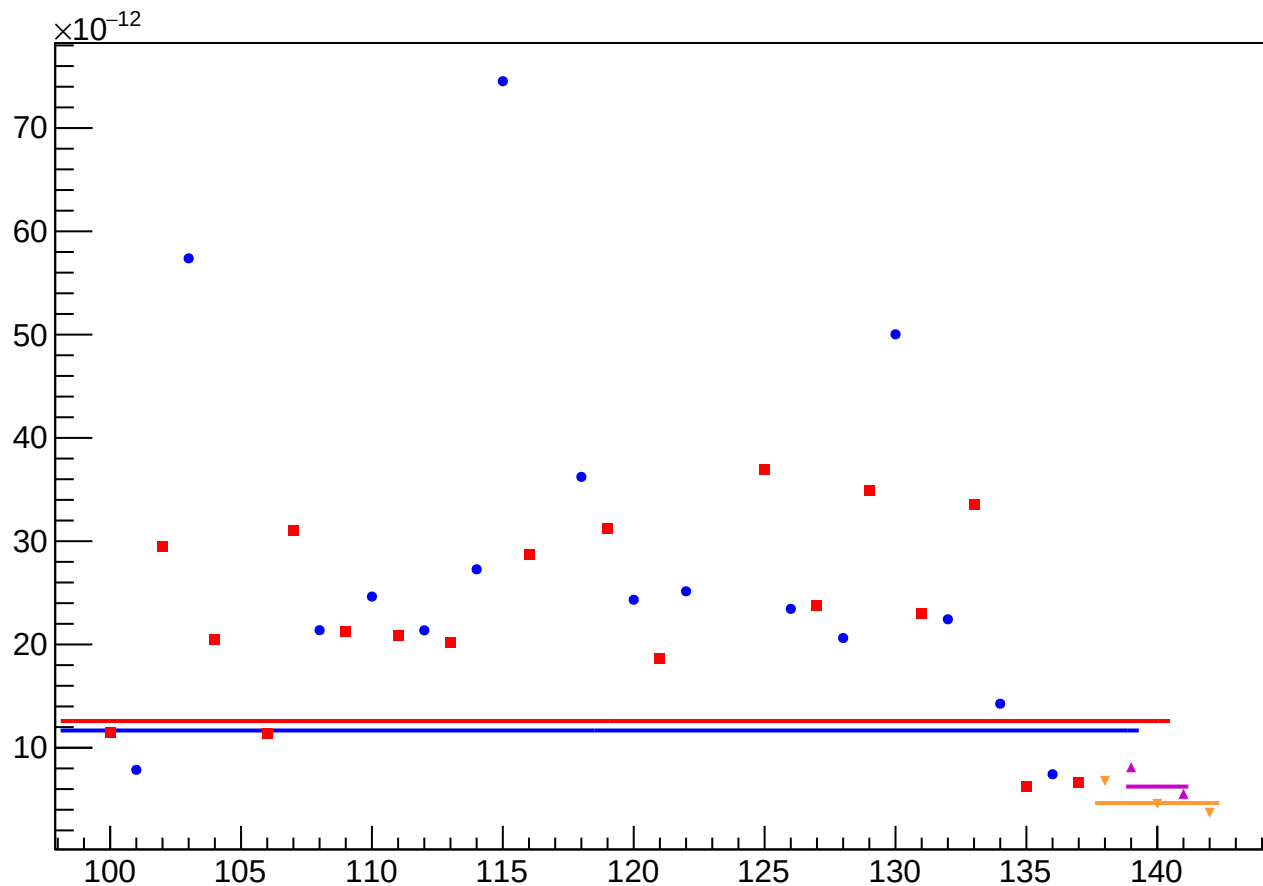
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5.9/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.7/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/19

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 : 128617.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2923298.3/17

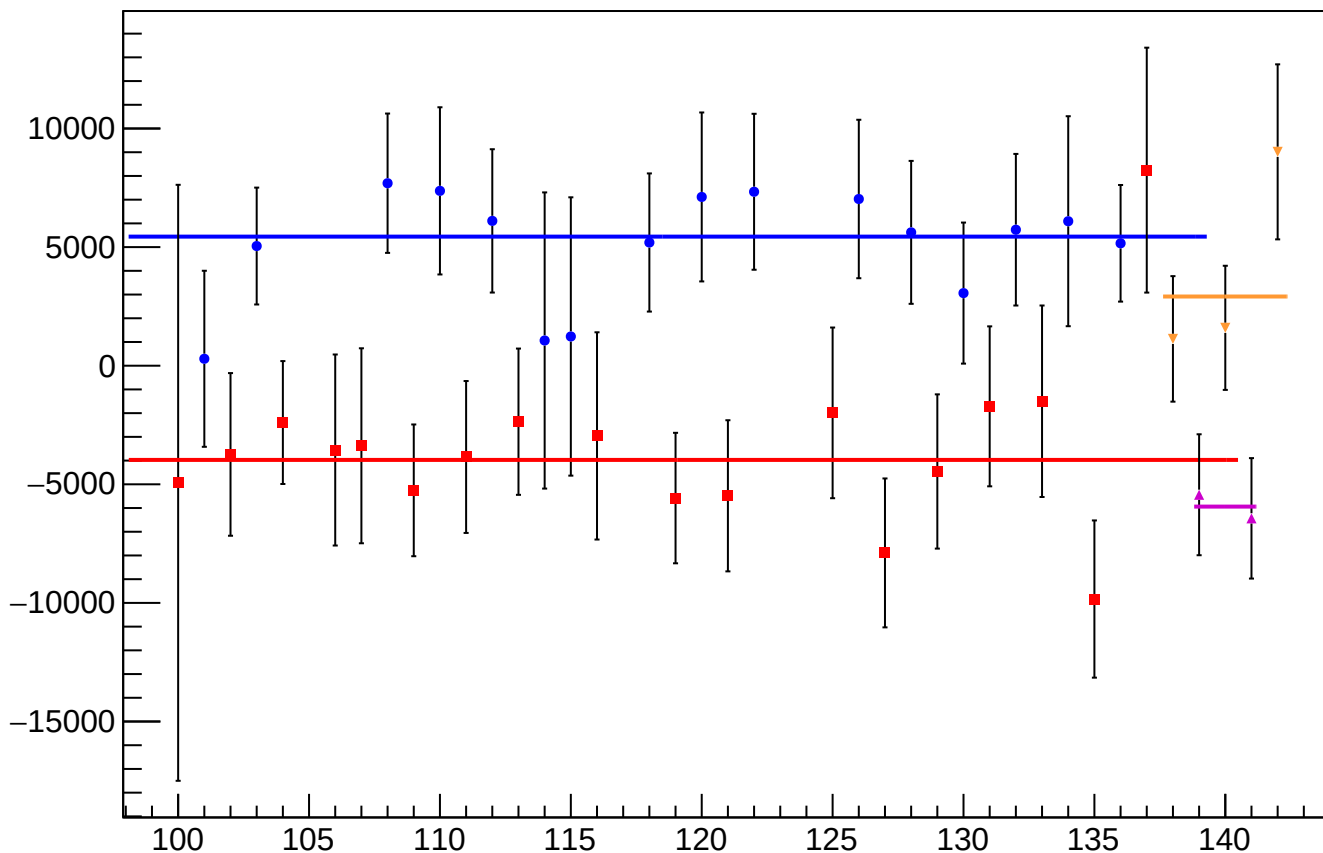
Left In: 0.000+/-0.000 χ^2/NDF : 72456.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 4637107.9/18

All: 0.000+/-0.000 χ^2/NDF : 8843001.8/38

- sign 0.000+/-0.000 χ^2/NDF : 3908688.8/19

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336 ± 812.534 $\chi^2/\text{NDF}: 5.4/15$

Left Out: 2917.048 ± 1661.288 $\chi^2/\text{NDF}: 3.4/2$

Right Out: -3971.728 ± 809.023 $\chi^2/\text{NDF}: 13.0/17$

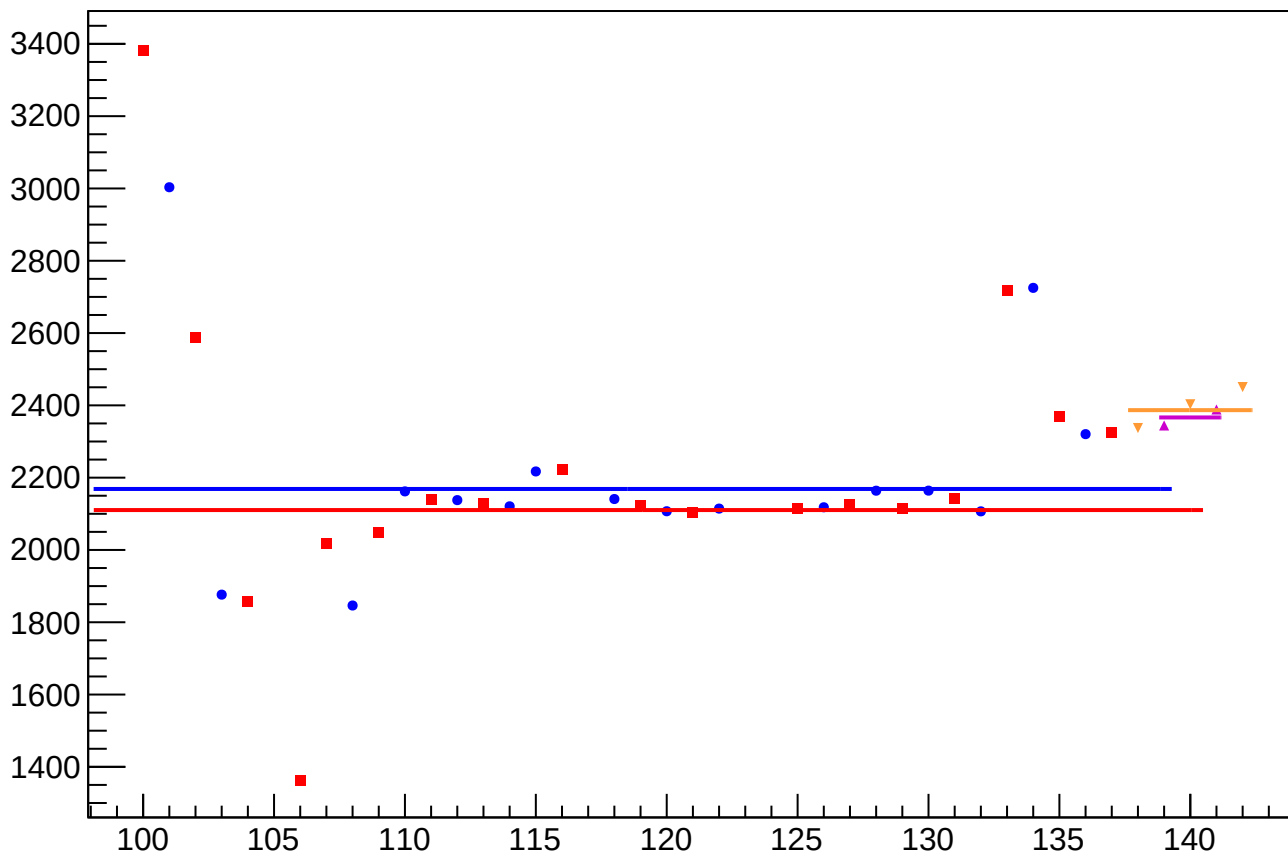
Left In: -5939.791 ± 1799.067 $\chi^2/\text{NDF}: 0.1/1$

+ sign 4954.857 ± 729.907 $\chi^2/\text{NDF}: 10.7/18$

All: 376.148 ± 518.908 $\chi^2/\text{NDF}: 104.3/38$

- sign -4302.769 ± 737.851 $\chi^2/\text{NDF}: 14.0/19$

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: 2386.741 $\pm$ 1.175 χ^2 /NDF:1373.8/2

+ sign 2210.803 $\pm$ 0.516 χ^2 /NDF: 224831.0/18

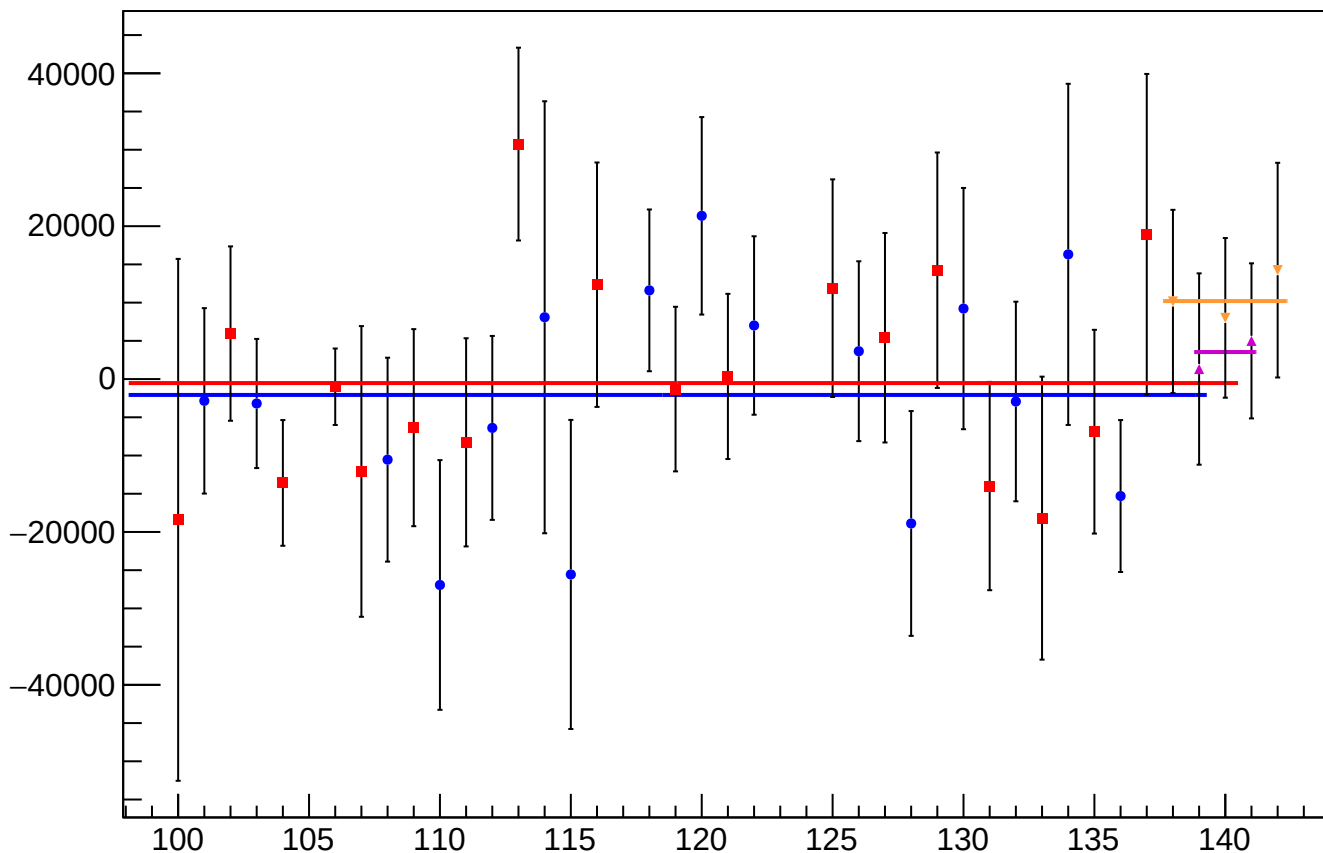
Right Out: 2110.365 $\pm$ 0.563 χ^2 /NDF: 267413.4/17

All: 2181.488 $\pm$ 0.364 χ^2 /NDF: 532894.0/38

- sign 2152.321 $\pm$ 0.515 χ^2 /NDF: 301627.1/19

Left In: 2366.546 $\pm$ 1.272 χ^2 /NDF:301.7/1

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: 10204.811+/-6867.467 χ^2/NDF : 0.1/2

Right Out: -521.454+/-2715.587 χ^2/NDF : 15.7/17

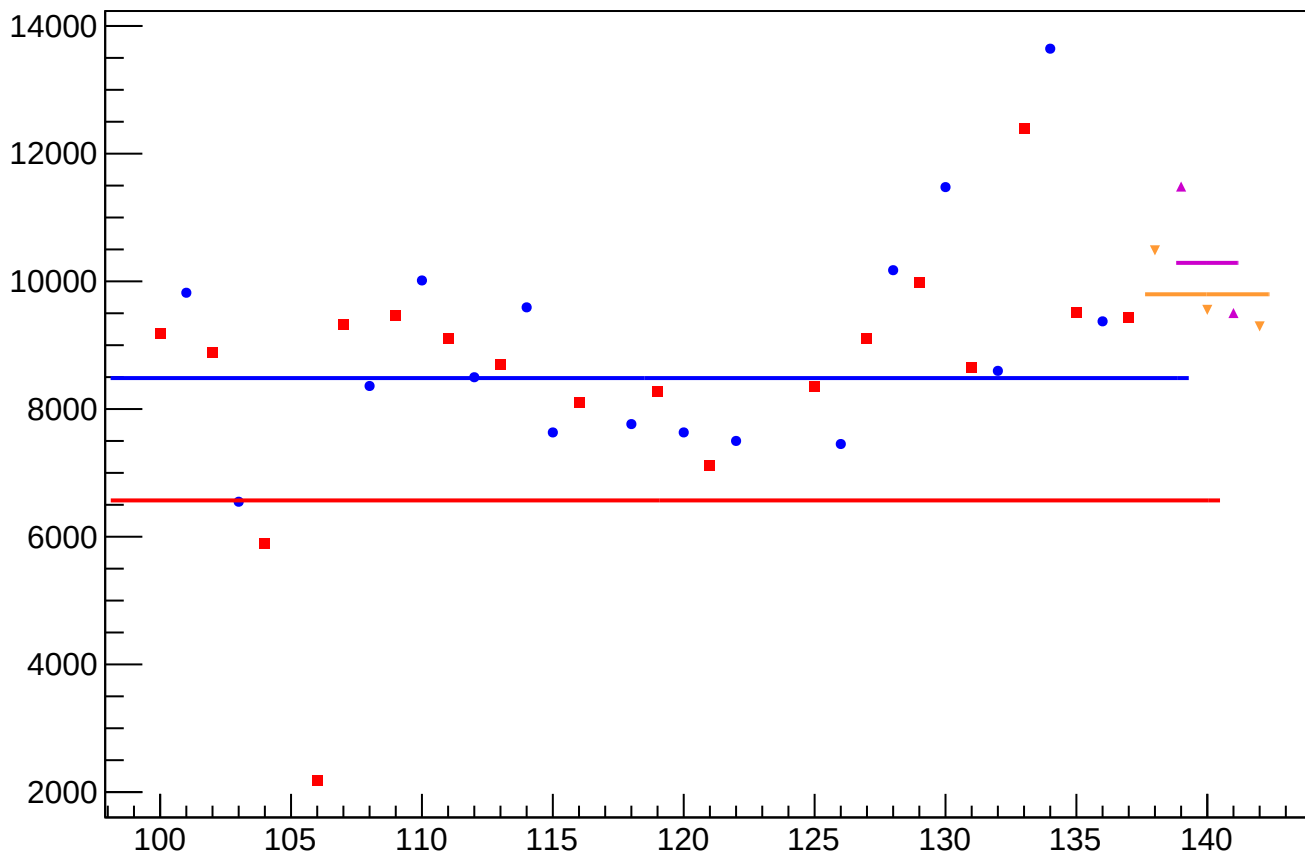
Left In: 3537.266+/-7880.111 χ^2/NDF : 0.1/1

+ sign 129.343+/-2909.562 χ^2/NDF : 17.2/18

All: 5.677+/-1925.093 χ^2/NDF : 33.2/38

- sign -90.614+/-2567.412 χ^2/NDF : 16.0/19

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8485.000 $\pm$ 2.271 χ^2/NDF : 422706.1/15

Left Out: 9797.461 $\pm$ 4.856 χ^2/NDF : 10250.6/2

Right Out: 6568.711 $\pm$ 1.920 χ^2/NDF : 2568887.0/17

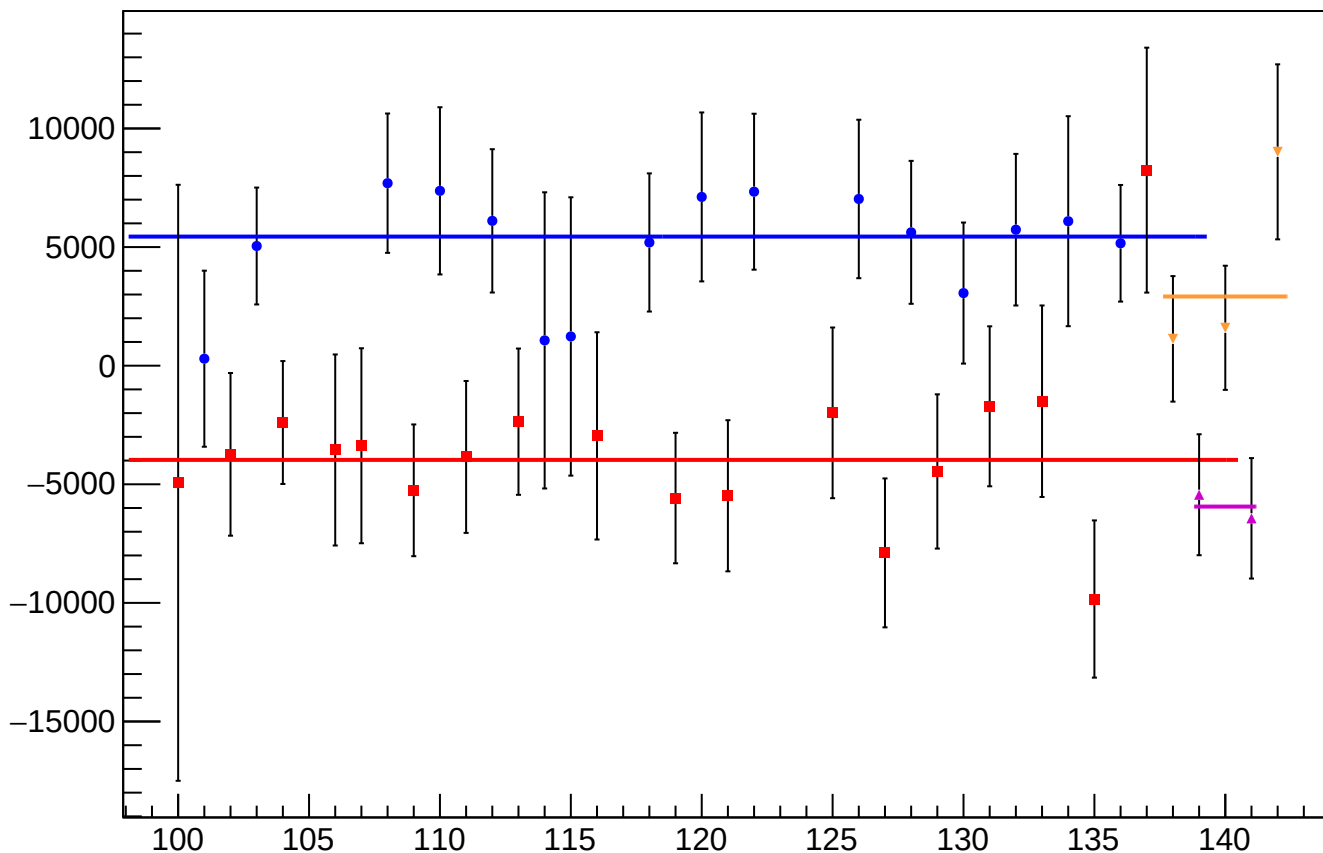
Left In: 10289.491 $\pm$ 5.572 χ^2/NDF : 30246.4/1

+ sign 8720.585 $\pm$ 2.057 χ^2/NDF : 492892.9/18

All: 7732.803 $\pm$ 1.361 χ^2/NDF : 3900590.5/38

- sign 6963.677 $\pm$ 1.815 χ^2/NDF : 2997696.5/19

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF : 5.4/15

Left Out: 2917.078+/-1661.288 χ^2/NDF : 3.4/2

Right Out: -3971.470+/-809.023 χ^2/NDF : 13.0/17

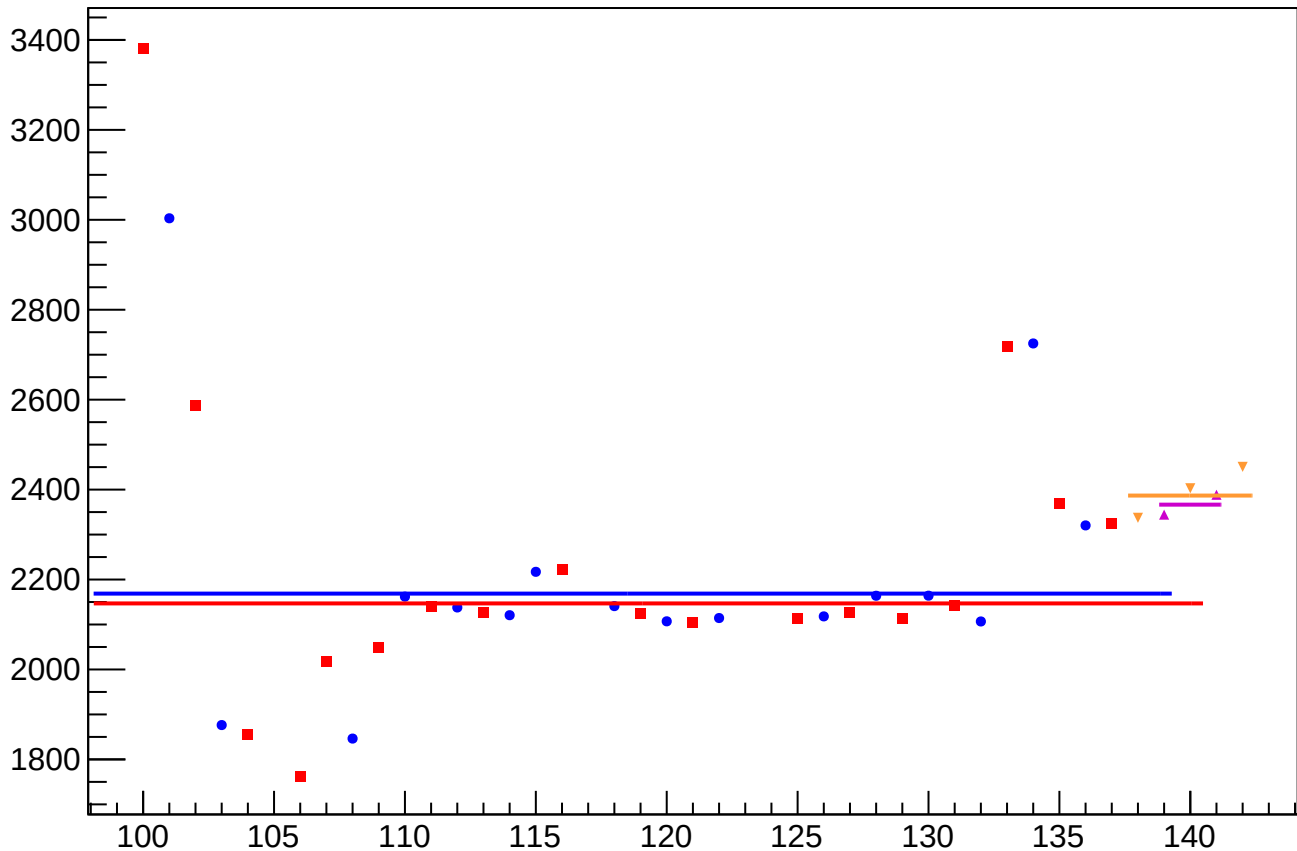
Left In: -5939.911+/-1799.067 χ^2/NDF : 0.1/1

+ sign 4954.977+/-729.907 χ^2/NDF : 10.7/18

All: 376.305+/-518.908 χ^2/NDF : 104.3/38

- sign -4302.574+/-737.851 χ^2/NDF : 14.0/19

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: 2386.742 $\pm$ 1.175 χ^2 /NDF:1373.8/2

Right Out: 2146.888 $\pm$ 0.569 χ^2 /NDF: 157750.7/17

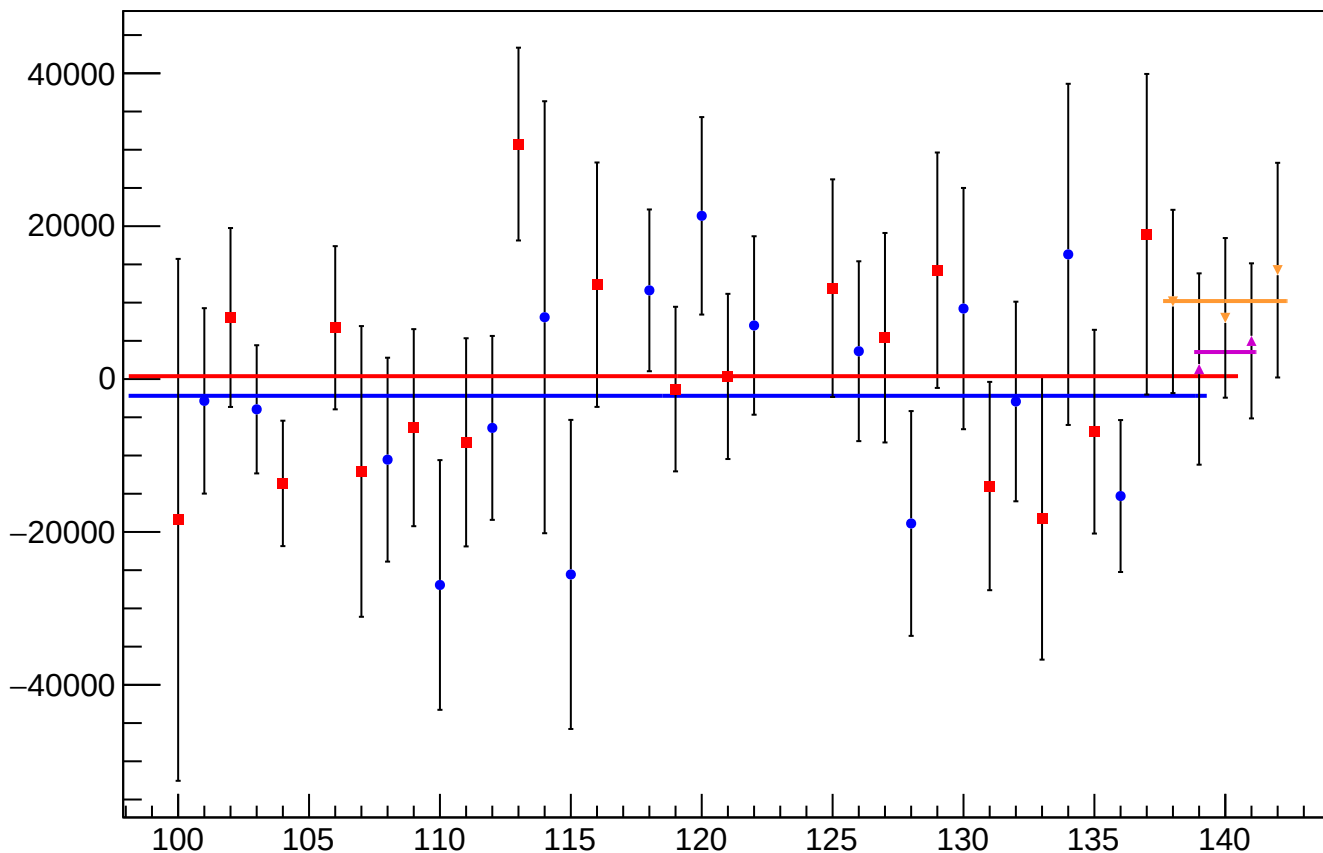
Left In: 2366.546 $\pm$ 1.272 χ^2 /NDF:301.7/1

+ sign 2210.803 $\pm$ 0.516 χ^2 /NDF: 224831.4/18

All: 2197.258 $\pm$ 0.366 χ^2 /NDF: 409111.6/38

- sign 2183.531 $\pm$ 0.520 χ^2 /NDF: 182893.4/19

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug



Right In: -2189.256+/-3208.524 χ^2/NDF : 14.5/15

Left Out: 10204.876+/-6867.456 χ^2/NDF : 0.1/2

Right Out: 379.236+/-3099.953 χ^2/NDF : 16.3/17

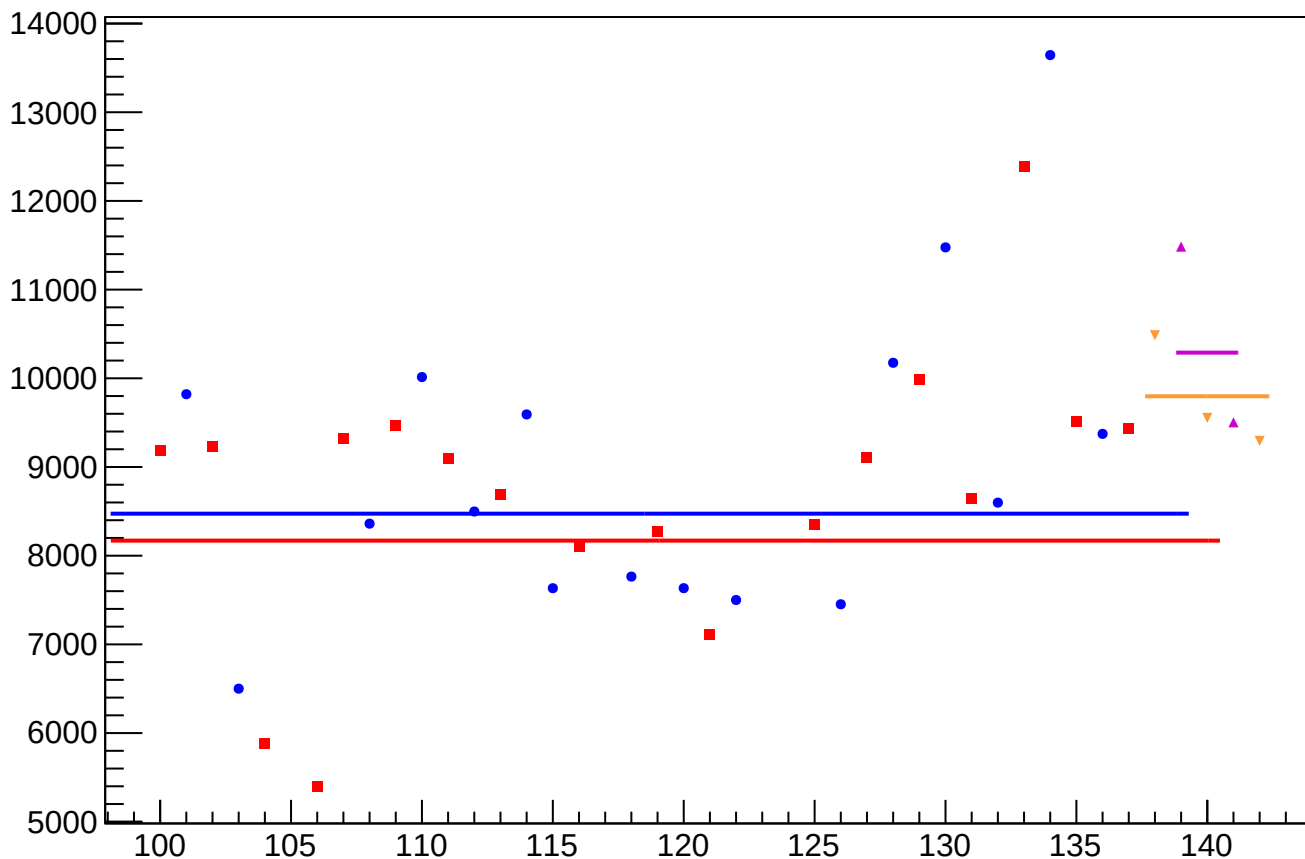
Left In: 3537.347+/-7880.101 χ^2/NDF : 0.1/1

+ sign 31.428+/-2906.908 χ^2/NDF : 17.3/18

All: 419.899+/-2047.620 χ^2/NDF : 33.8/38

- sign 802.474+/-2884.763 χ^2/NDF : 16.5/19

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: 9797.445+/-4.856 χ^2/NDF : 10251.0/2

Right Out: 8170.027+/-2.192 χ^2/NDF : 539925.8/17

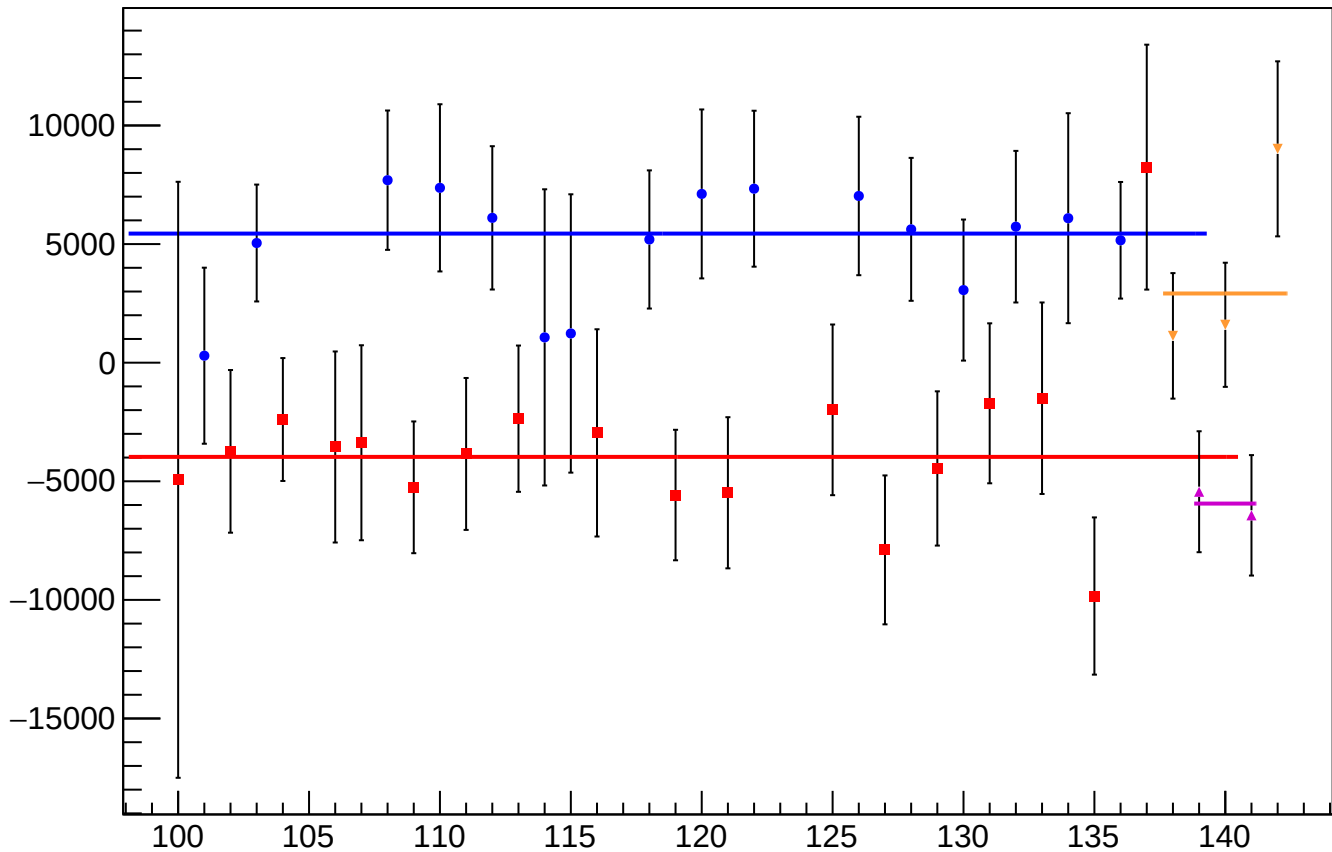
Left In: 10289.476+/-5.572 χ^2/NDF : 30246.8/1

+ sign 8710.914+/-2.055 χ^2/NDF : 500789.9/18

All: 8581.508+/-1.448 χ^2/NDF : 1204121.0/38

- sign 8454.067+/-2.040 χ^2/NDF : 695464.3/19

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF : 5.4/15

Left Out: 2917.078+/-1661.288 χ^2/NDF : 3.4/2

Right Out: -3971.470+/-809.023 χ^2/NDF : 13.0/17

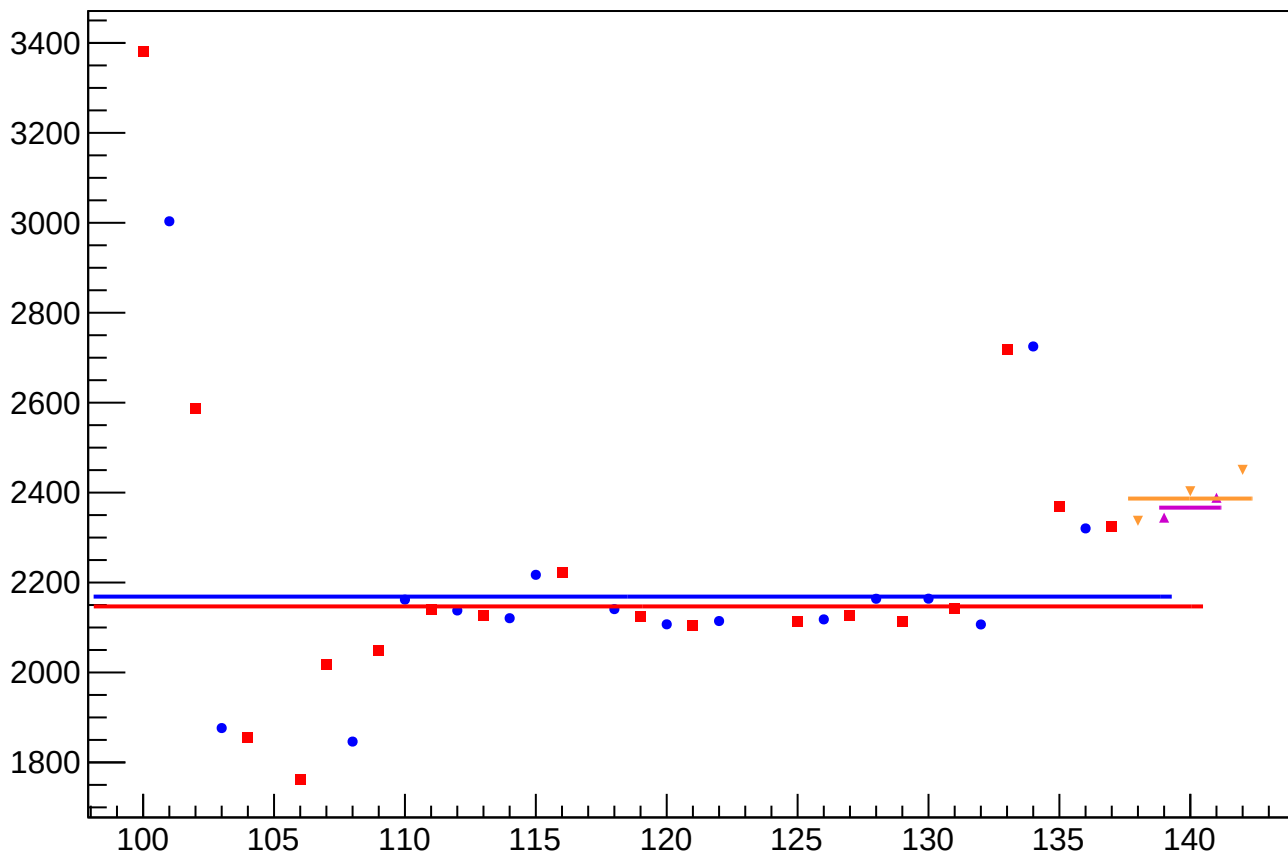
Left In: -5939.911+/-1799.067 χ^2/NDF : 0.1/1

+ sign 4954.977+/-729.907 χ^2/NDF : 10.7/18

All: 376.305+/-518.908 χ^2/NDF : 104.3/38

- sign -4302.574+/-737.851 χ^2/NDF : 14.0/19

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF : 195659.8/15

Left Out: 2386.742+/-1.175 χ^2/NDF : 1373.8/2

Right Out: 2146.888+/-0.569 χ^2/NDF : 157750.7/17

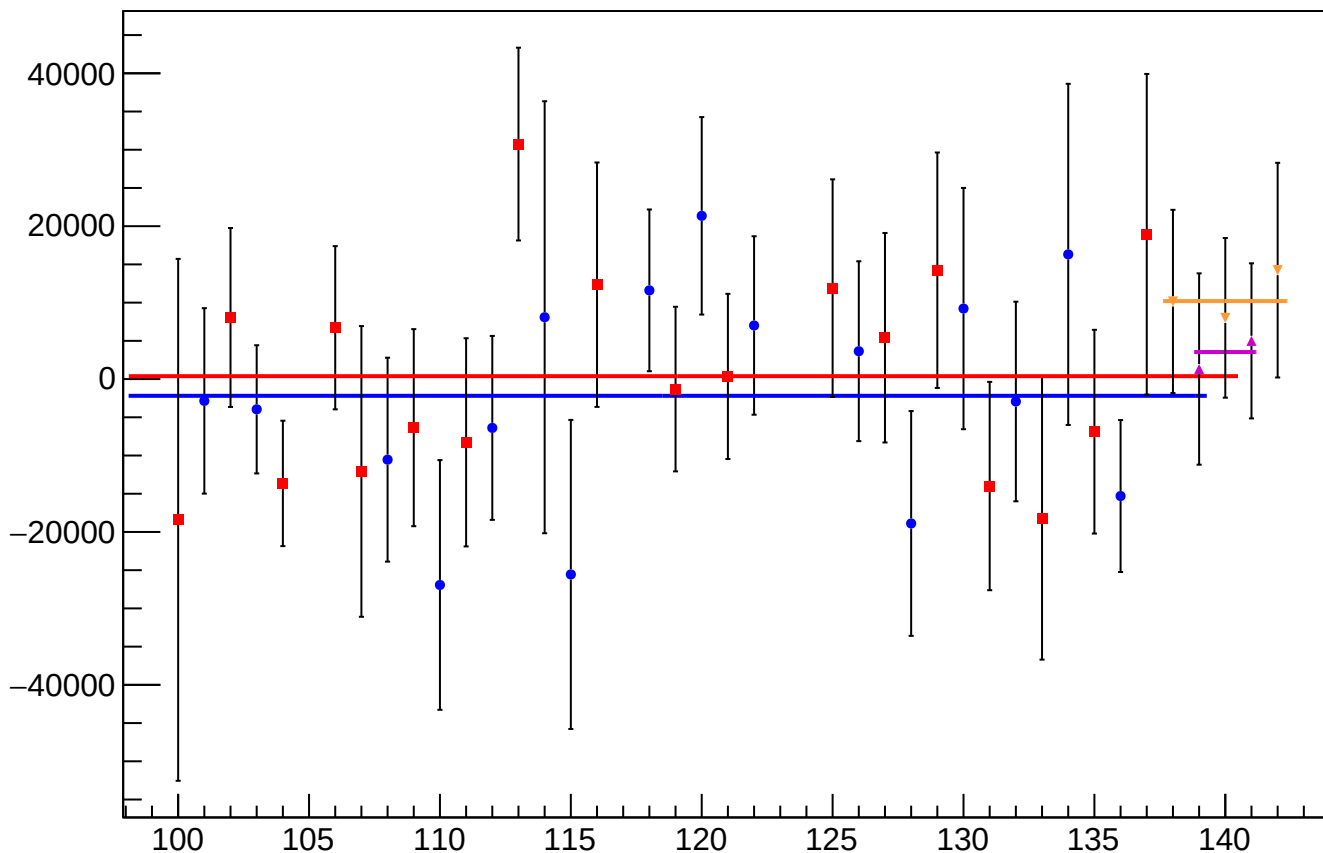
Left In: 2366.546+/-1.272 χ^2/NDF : 301.7/1

+ sign 2210.803+/-0.516 χ^2/NDF : 224831.4/18

All: 2197.258+/-0.366 χ^2/NDF : 409111.6/38

- sign 2183.531+/-0.520 χ^2/NDF : 182893.4/19

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: 10204.876+/-6867.456 χ^2/NDF : 0.1/2

Right Out: 379.236+/-3099.953 χ^2/NDF : 16.3/17

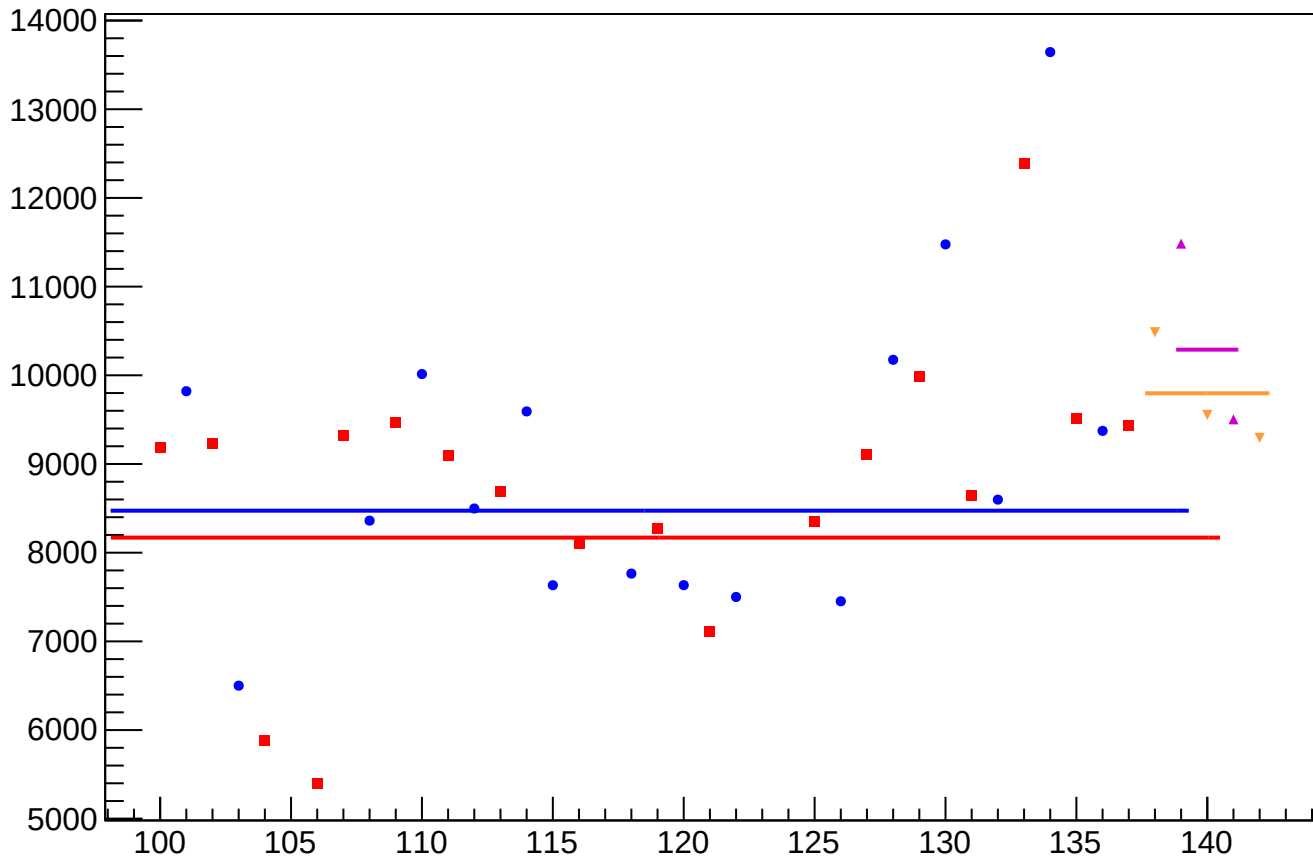
Left In: 3537.347+/-7880.101 χ^2/NDF : 0.1/1

+ sign 31.428+/-2906.908 χ^2/NDF : 17.3/18

All: 419.899+/-2047.620 χ^2/NDF : 33.8/38

- sign 802.474+/-2884.763 χ^2/NDF : 16.5/19

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: 9797.445+/-4.856 χ^2/NDF : 10251.0/2

Right Out: 8170.027+/-2.192 χ^2/NDF : 539925.8/17

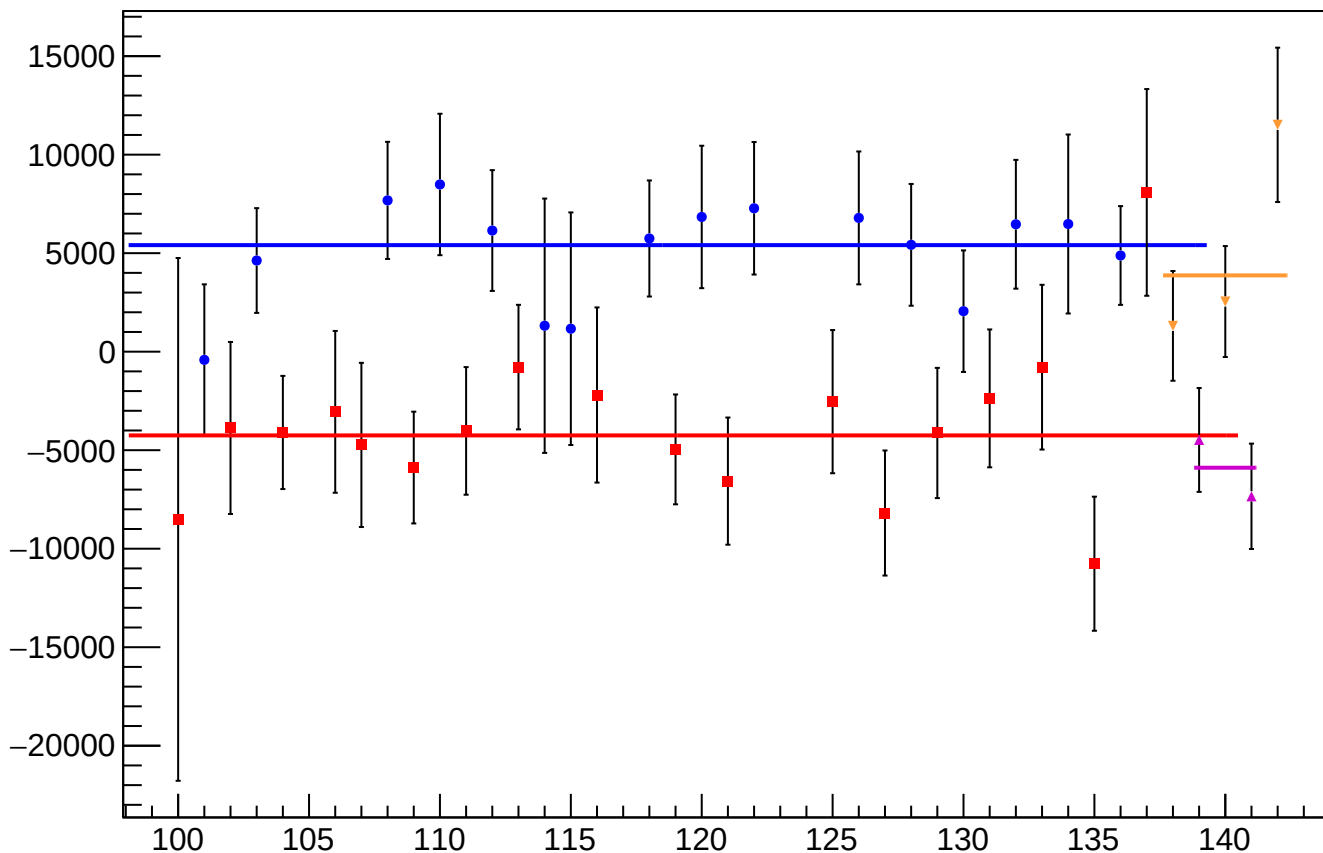
Left In: 10289.476+/-5.572 χ^2/NDF : 30246.8/1

+ sign 8710.914+/-2.055 χ^2/NDF : 500789.9/18

All: 8581.508+/-1.448 χ^2/NDF : 1204121.0/38

- sign 8454.067+/-2.040 χ^2/NDF : 695464.3/19

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: 3872.446 $\pm$ 1767.245 χ^2 /NDF:4.9/2

Right Out: -4249.899 $\pm$ 839.336 χ^2 /NDF: 14.5/17

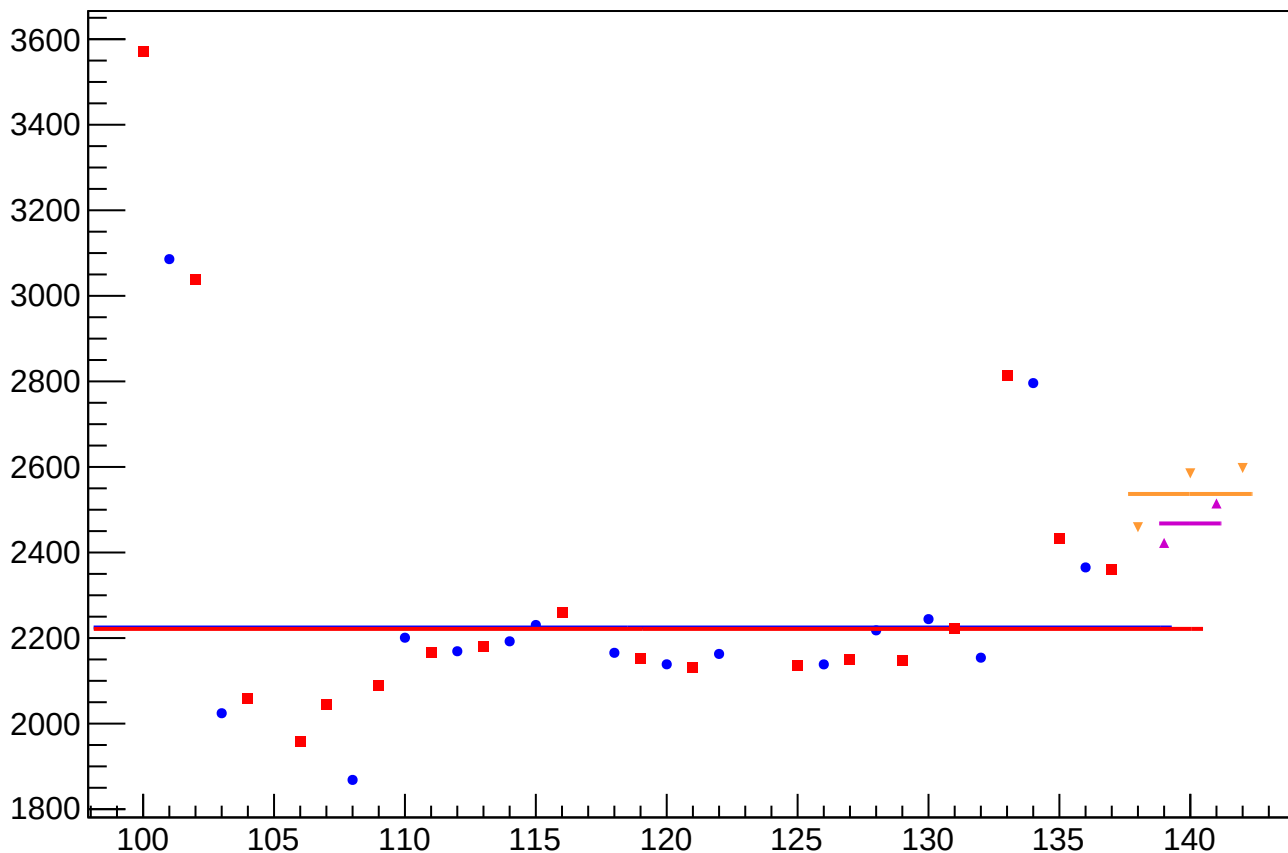
Left In: -5890.245 $\pm$ 1876.875 χ^2 /NDF:0.6/1

+ sign 5128.370 $\pm$ 754.001 χ^2 /NDF: 12.2/18

All: 380.054 $\pm$ 537.423 χ^2 /NDF: 108.5/38

- sign -4523.274 $\pm$ 766.209 χ^2 /NDF: 15.7/19

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF : 184679.8/15

Left Out: 2536.862+/-1.250 χ^2/NDF : 2625.2/2

Right Out: 2221.425+/-0.593 χ^2/NDF : 169944.3/17

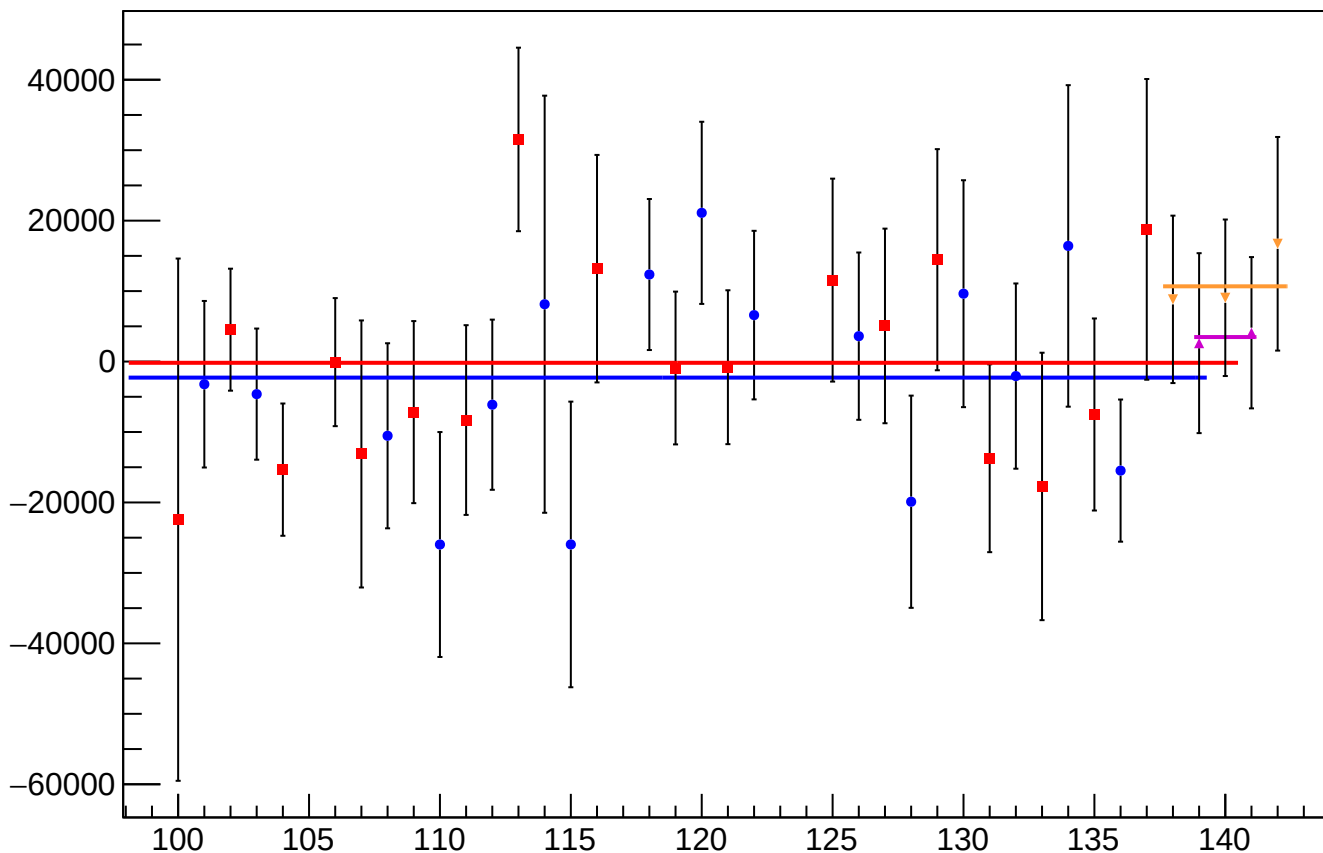
Left In: 2467.906+/-1.327 χ^2/NDF : 1206.9/1

+ sign 2281.453+/-0.533 χ^2/NDF : 238375.8/18

All: 2272.105+/-0.380 χ^2/NDF : 438901.6/38

- sign 2262.461+/-0.542 χ^2/NDF : 199901.1/19

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug



Right In: -2278.440+/-3271.750 χ^2/NDF : 14.5/15

Left Out: 10677.887+/-7154.001 χ^2/NDF : 0.2/2

Right Out: -177.024+/-3035.355 χ^2/NDF : 15.6/17

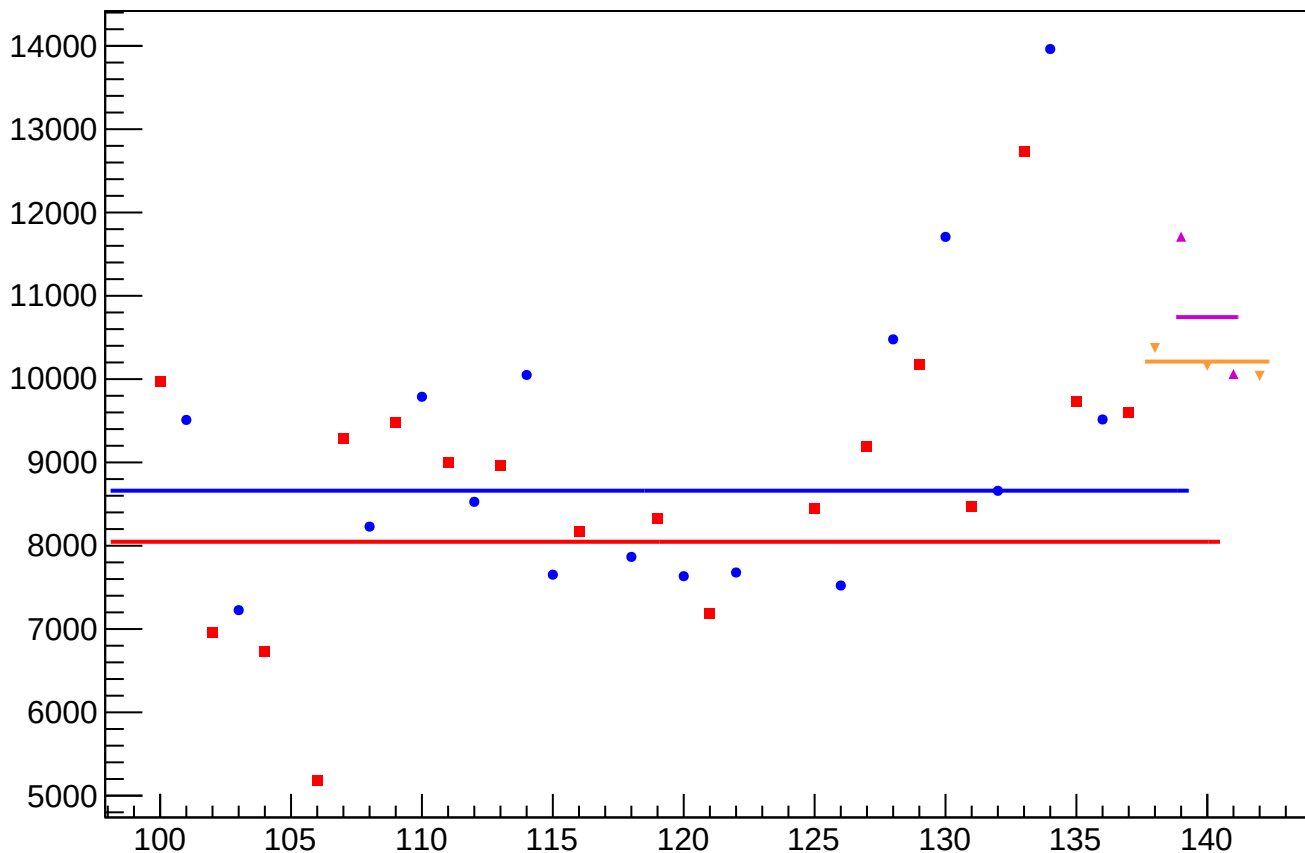
Left In: 3478.895+/-8218.042 χ^2/NDF : 0.0/1

+ sign -37.330+/-2975.361 χ^2/NDF : 17.4/18

All: 118.834+/-2057.144 χ^2/NDF : 33.2/38

- sign 261.850+/-2847.343 χ^2/NDF : 15.8/19

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: 10210.485+/-5.059 χ^2/NDF : 673.9/2

Right Out: 8047.460+/-2.146 χ^2/NDF : 558559.6/17

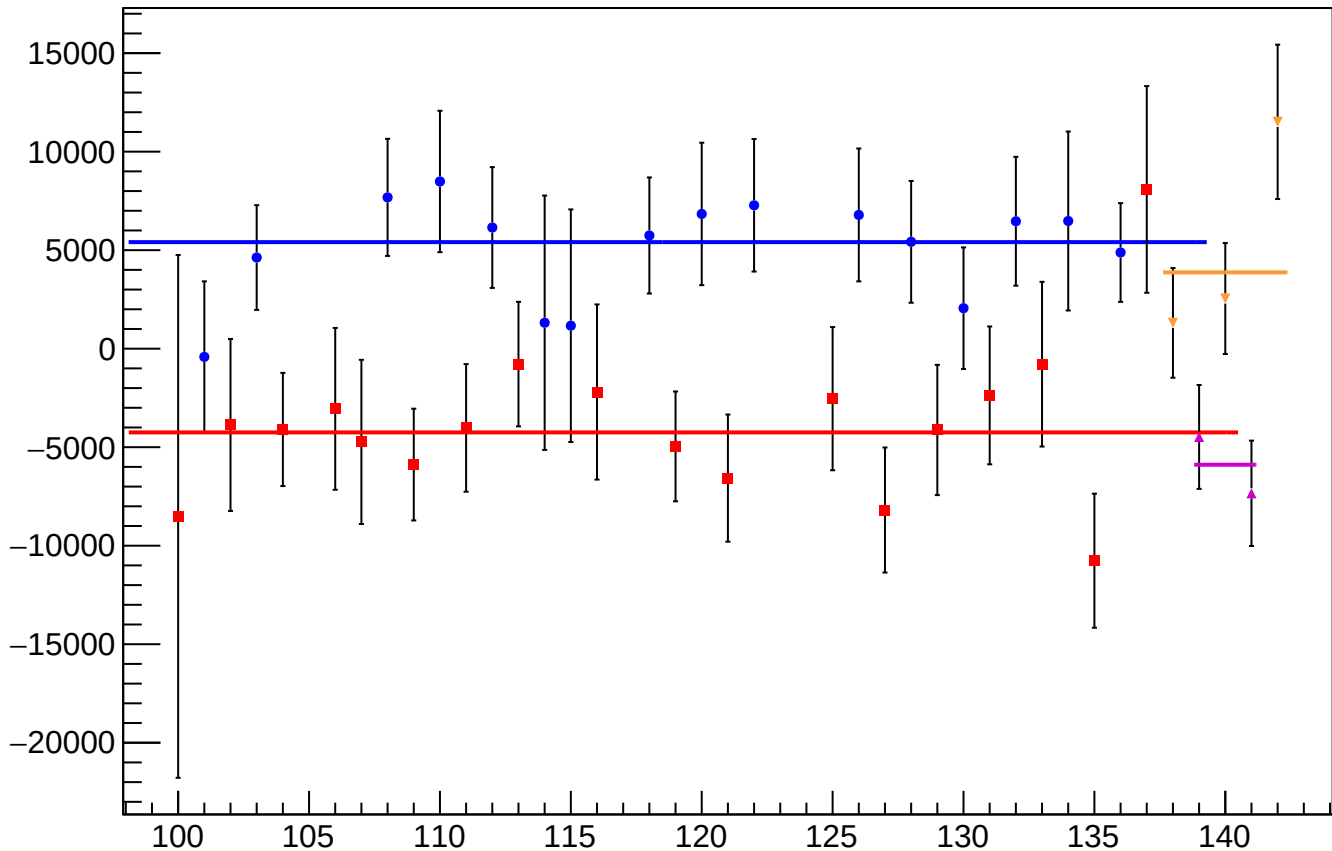
Left In: 10744.285+/-5.811 χ^2/NDF : 19527.3/1

+ sign 8928.800+/-2.104 χ^2/NDF : 436256.2/18

All: 8637.746+/-1.455 χ^2/NDF : 1240529.5/38

- sign 8371.199+/-2.013 χ^2/NDF : 767608.8/19

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: 3872.465+/-1767.246 χ^2/NDF : 4.9/2

Right Out: -4249.903+/-839.335 χ^2/NDF : 14.5/17

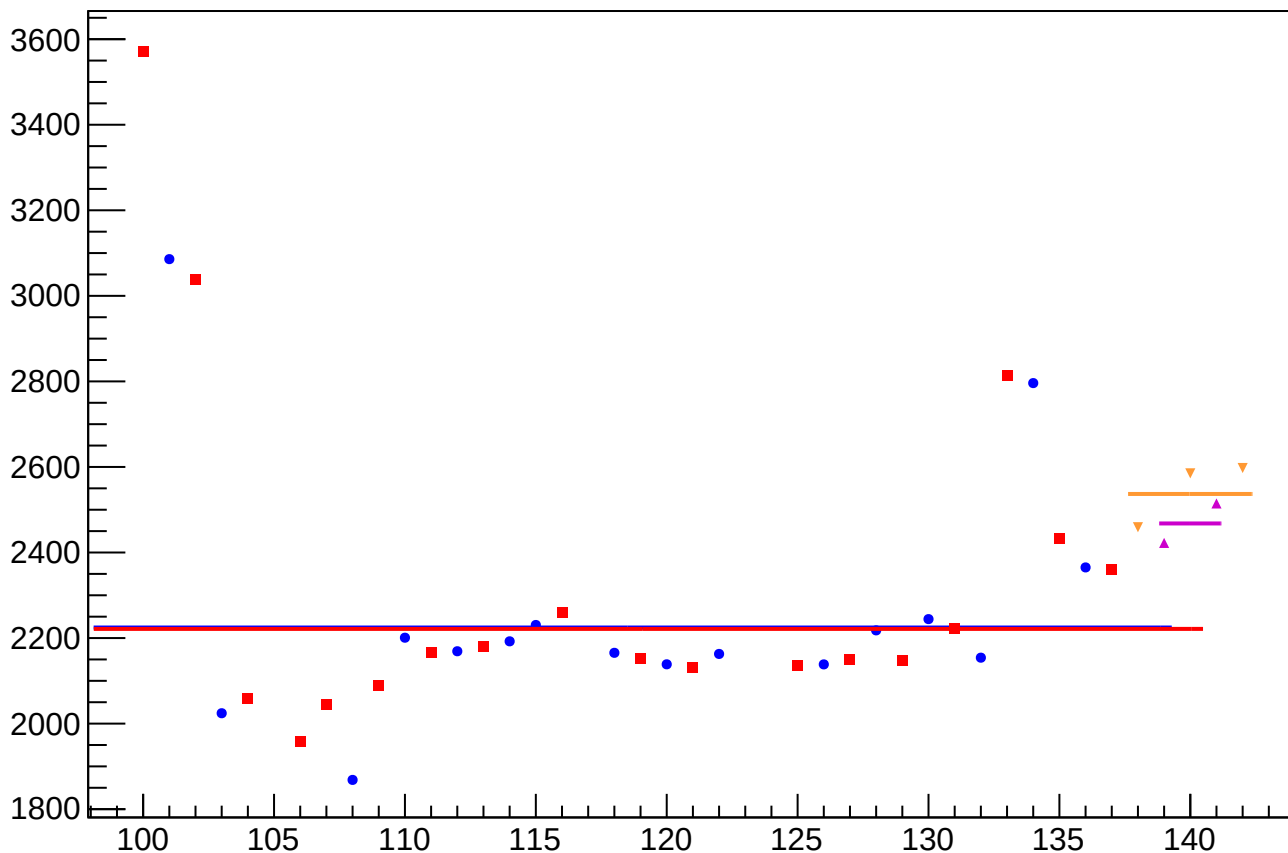
Left In: -5890.216+/-1876.877 χ^2/NDF : 0.6/1

+ sign 5128.375+/-754.001 χ^2/NDF : 12.2/18

All: 380.057+/-537.423 χ^2/NDF : 108.5/38

- sign -4523.273+/-766.209 χ^2/NDF : 15.7/19

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.613 $\pm$ 0.590 χ^2 /NDF: 184680.1/15

Left Out: 2536.864 $\pm$ 1.250 χ^2 /NDF: 2625.3/2

Right Out: 2221.425 $\pm$ 0.593 χ^2 /NDF: 169944.3/17

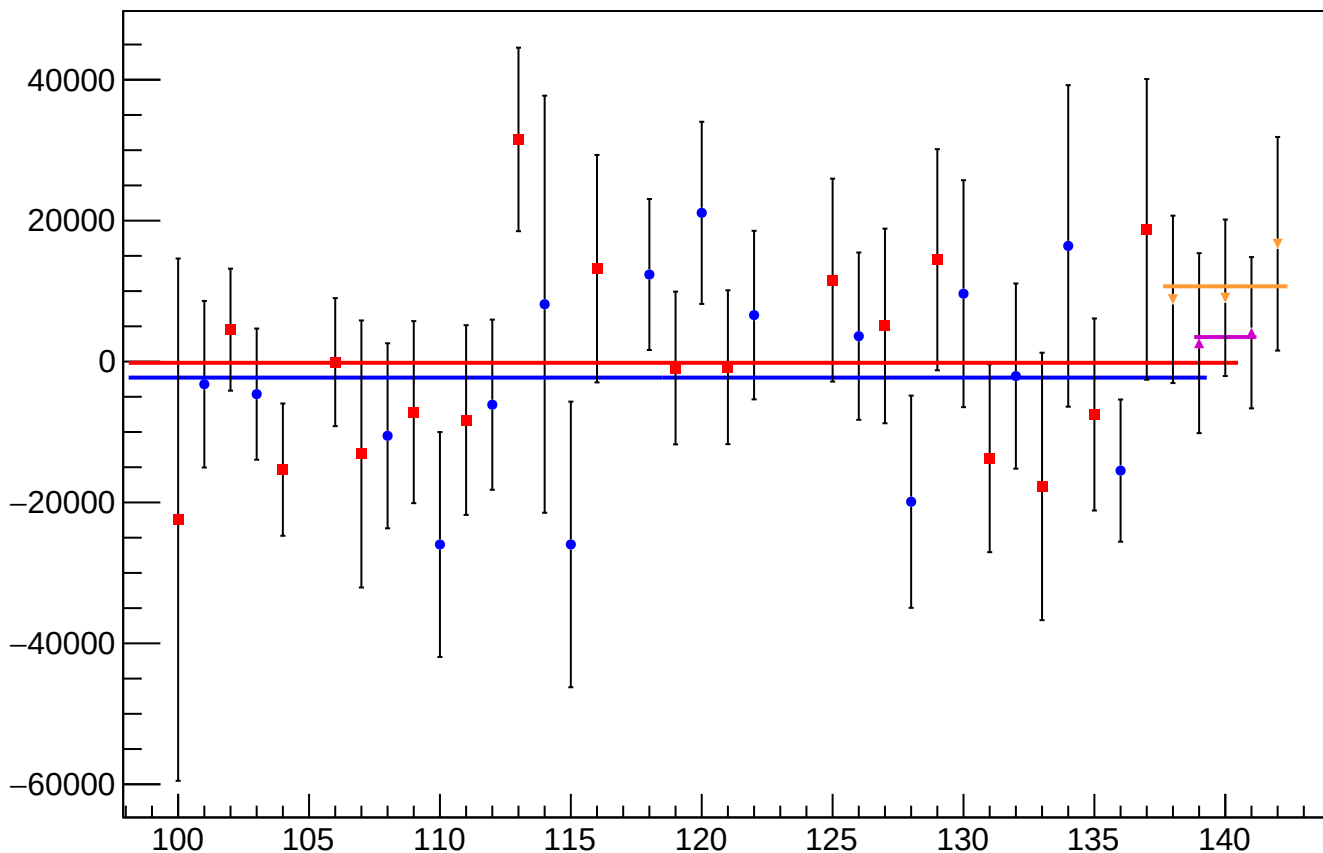
Left In: 2467.908 $\pm$ 1.327 χ^2 /NDF: 1206.8/1

+ sign 2281.453 $\pm$ 0.533 χ^2 /NDF: 238377.0/18

All: 2272.104 $\pm$ 0.380 χ^2 /NDF: 438903.4/38

- sign 2262.461 $\pm$ 0.542 χ^2 /NDF: 199901.8/19

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -2278.418+/-3271.742 χ^2/NDF : 14.5/15

Left Out: 10677.920+/-7154.014 χ^2/NDF : 0.2/2

Right Out: -177.029+/-3035.348 χ^2/NDF : 15.6/17

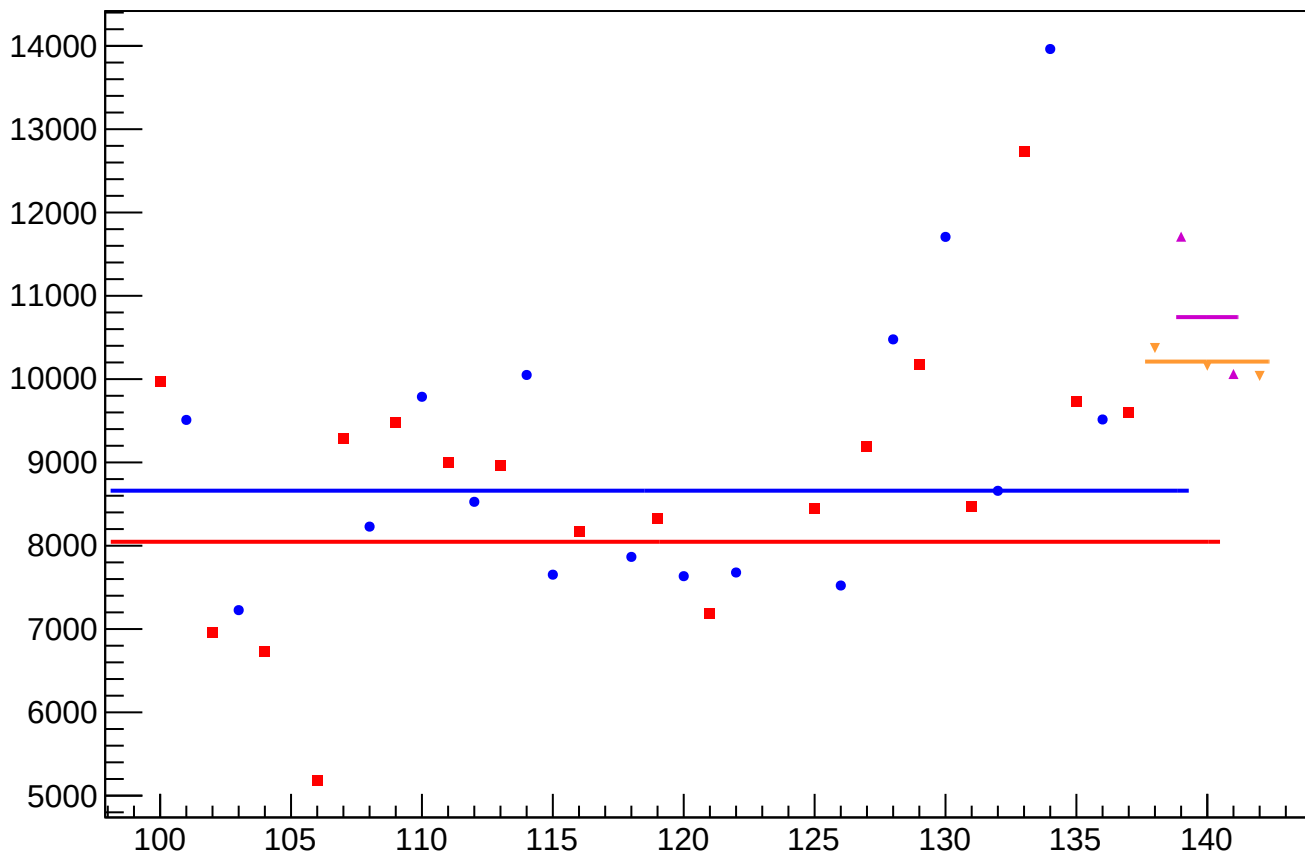
Left In: 3478.919+/-8218.055 χ^2/NDF : 0.0/1

+ sign -37.321+/-2975.356 χ^2/NDF : 17.4/18

All: 118.836+/-2057.141 χ^2/NDF : 33.2/38

- sign 261.845+/-2847.338 χ^2/NDF : 15.8/19

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 8660.711 ± 2.313 $\chi^2/\text{NDF}: 357964.1/15$

Left Out: 10210.502 ± 5.059 $\chi^2/\text{NDF}: 673.9/2$

Right Out: 8047.442 ± 2.146 $\chi^2/\text{NDF}: 558557.8/17$

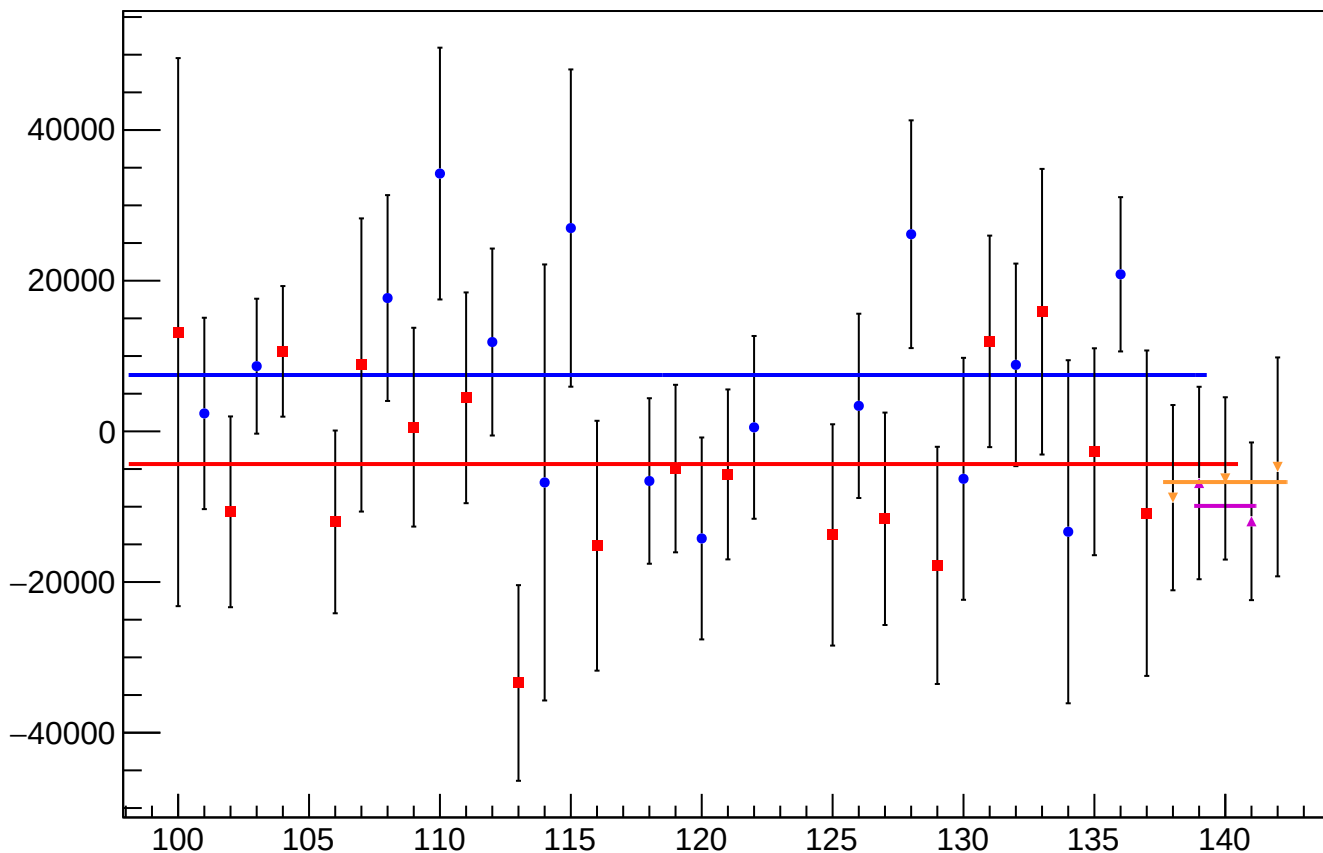
Left In: 10744.301 ± 5.811 $\chi^2/\text{NDF}: 19527.8/1$

+ sign 8928.783 ± 2.104 $\chi^2/\text{NDF}: 436262.1/18$

All: 8637.730 ± 1.455 $\chi^2/\text{NDF}: 1240538.7/38$

- sign 8371.184 ± 2.013 $\chi^2/\text{NDF}: 767611.9/19$

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770 $\pm$ 3330.915 χ^2 /NDF: 14.0/15

Left Out: -6728.205 $\pm$ 7077.115 χ^2 /NDF:0.0/2

Right Out: -4338.165 $\pm$ 3242.620 χ^2 /NDF: 14.3/17

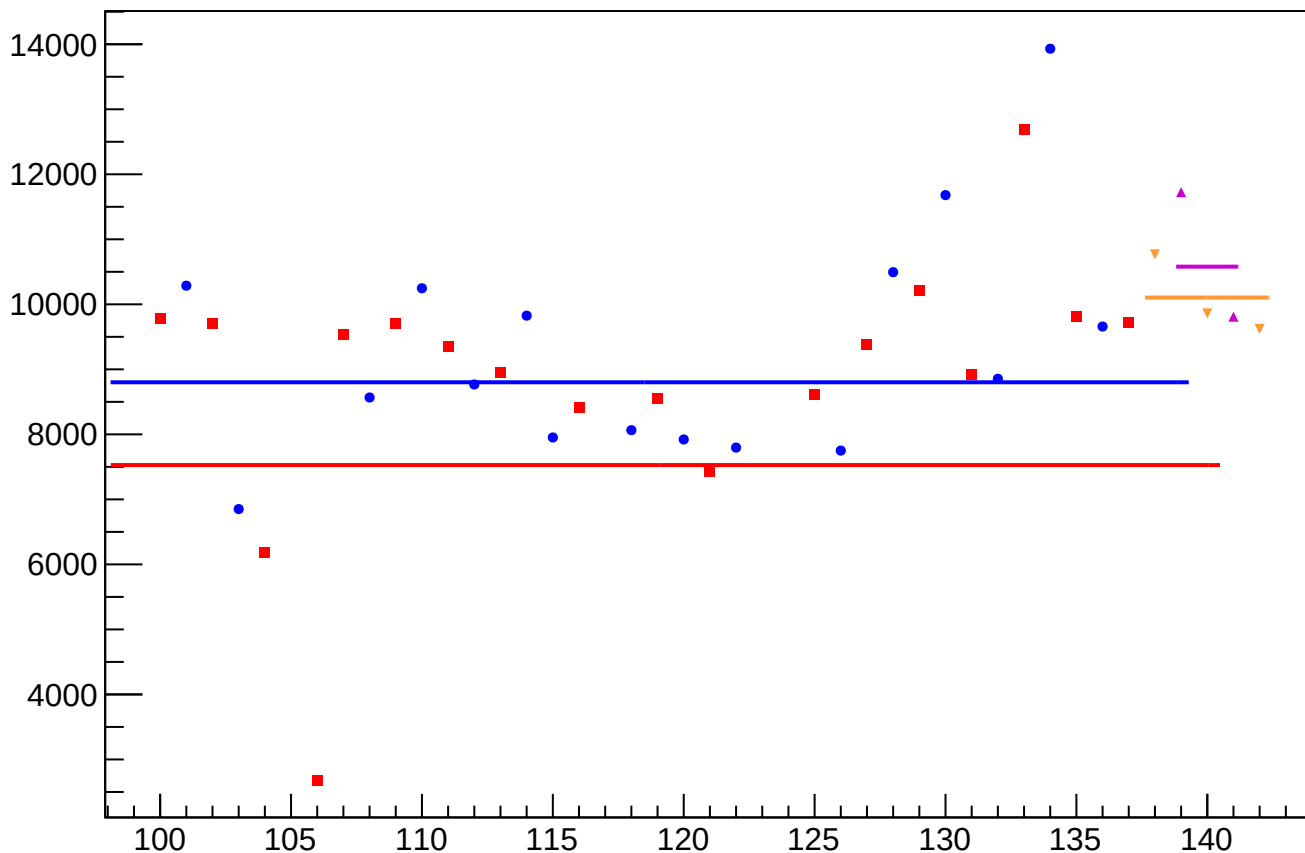
Left In: -9895.639 $\pm$ 8095.759 χ^2 /NDF:0.1/1

+ sign 4904.814 $\pm$ 3013.791 χ^2 /NDF: 17.4/18

All: -106.893 $\pm$ 2129.781 χ^2 /NDF: 37.7/38

- sign -5106.476 $\pm$ 3010.144 χ^2 /NDF: 14.8/19

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF : 394575.1/15

Left Out: 10104.271+/-5.004 χ^2/NDF : 9061.5/2

Right Out: 7527.803+/-2.128 χ^2/NDF : 1657299.8/17

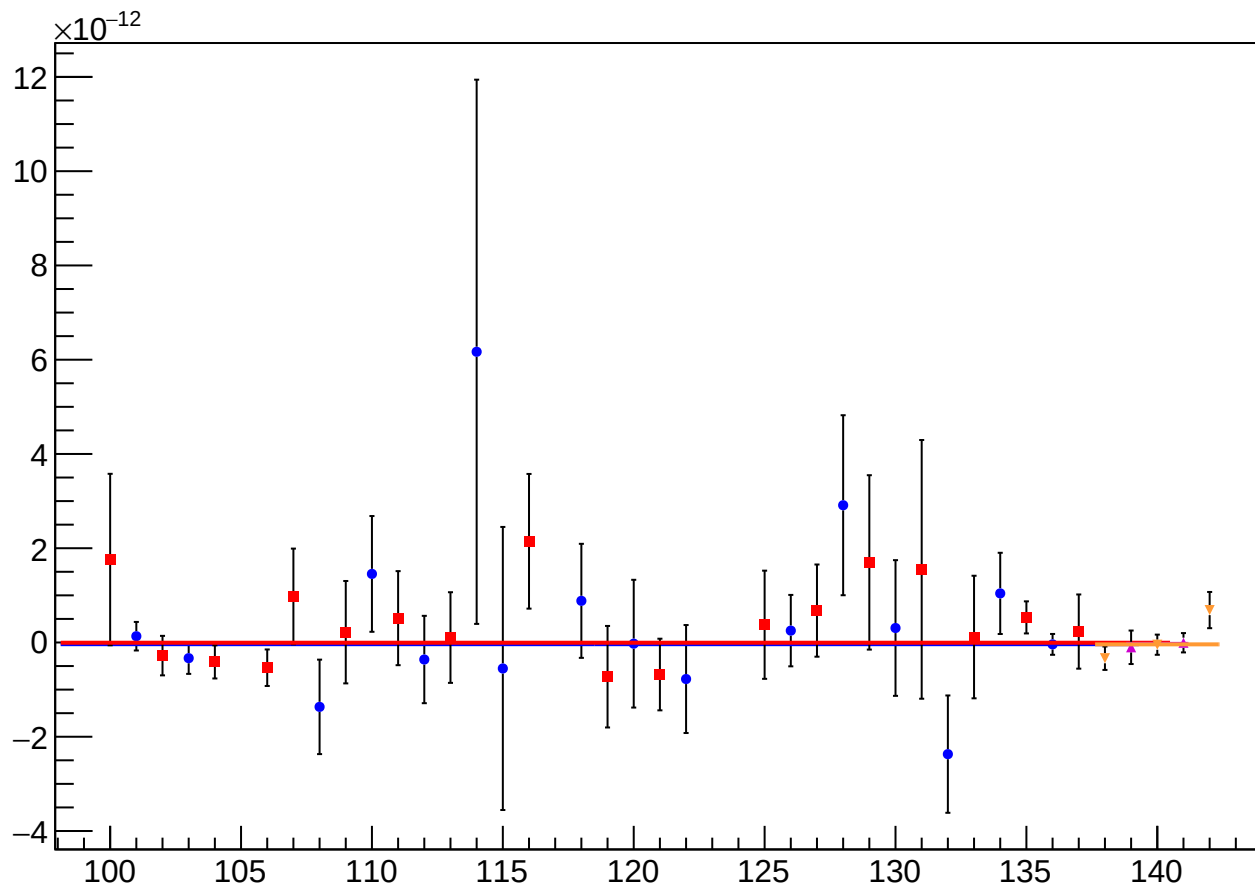
Left In: 10579.421+/-5.725 χ^2/NDF : 26891.3/1

+ sign 9037.403+/-2.131 χ^2/NDF : 459155.2/18

All: 8430.355+/-1.456 χ^2/NDF : 2545257.0/38

- sign 7898.392+/-1.995 χ^2/NDF : 1933849.7/19

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 : 5.0/2

Right Out: -0.000+/-0.000 χ^2/NDF : 13.7/17

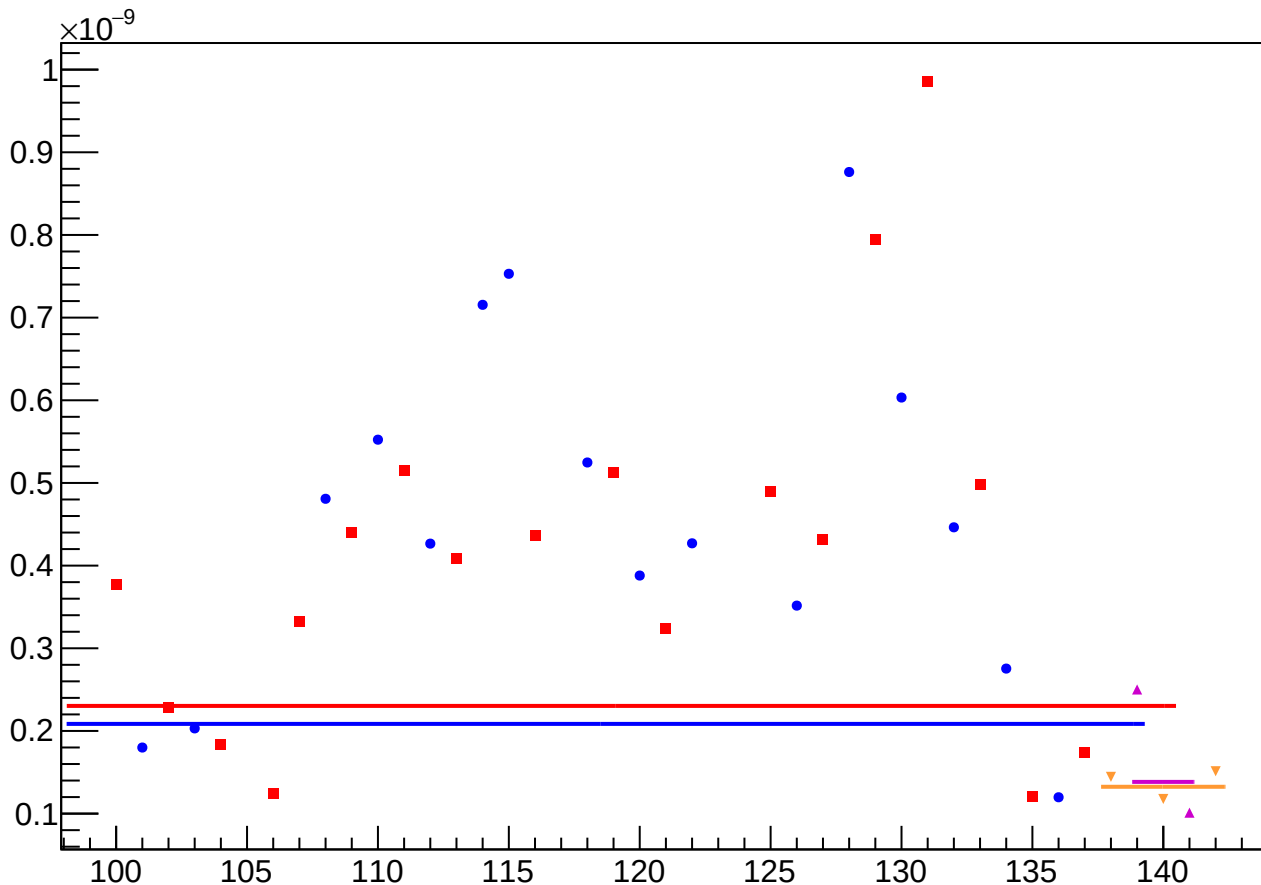
Left In: -0.000+/-0.000 χ^2/NDF : 0.1/1

+ sign -0.000+/-0.000 χ^2/NDF : 19.3/18

All: -0.000+/-0.000 χ^2/NDF : 33.1/38

- sign -0.000+/-0.000 χ^2/NDF : 13.8/19

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1632322.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18944.6/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1561654.8/17

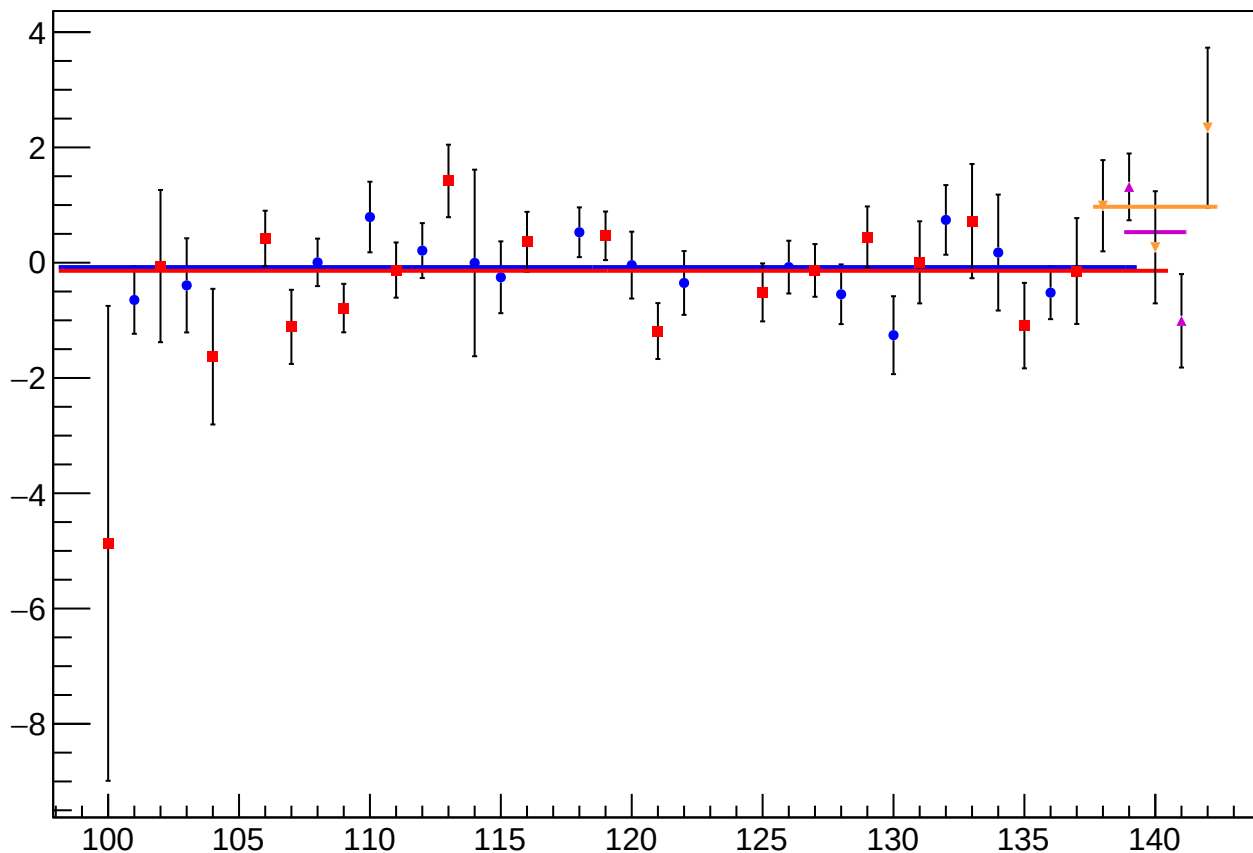
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:264024.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1924138.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 4076788.0/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2127192.1/19

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: 0.970 ± 0.561 χ^2/NDF : 1.5/2

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

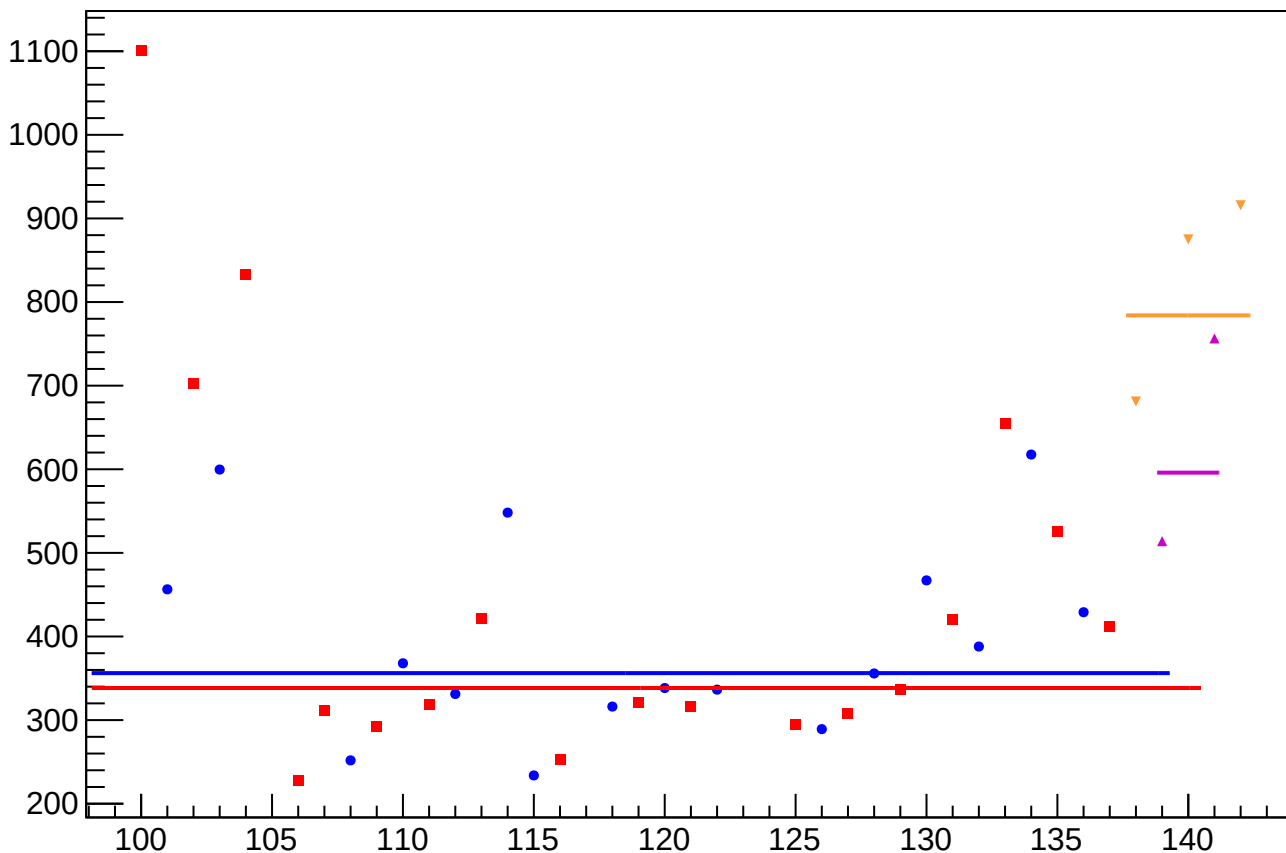
Left In: 0.530 ± 0.471 χ^2/NDF : 5.4/1

+ sign -0.015 ± 0.136 χ^2/NDF : 17.3/18

All: -0.052 ± 0.095 χ^2/NDF : 51.7/38

- sign -0.087 ± 0.132 χ^2/NDF : 34.3/19

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 356.190 $\pm$ 0.099 χ^2 /NDF: 785107.3/15

Left Out: 784.039 $\pm$ 0.397 χ^2 /NDF: 69348.4/2

Right Out: 338.410 $\pm$ 0.098 χ^2 /NDF: 1203282.0/17

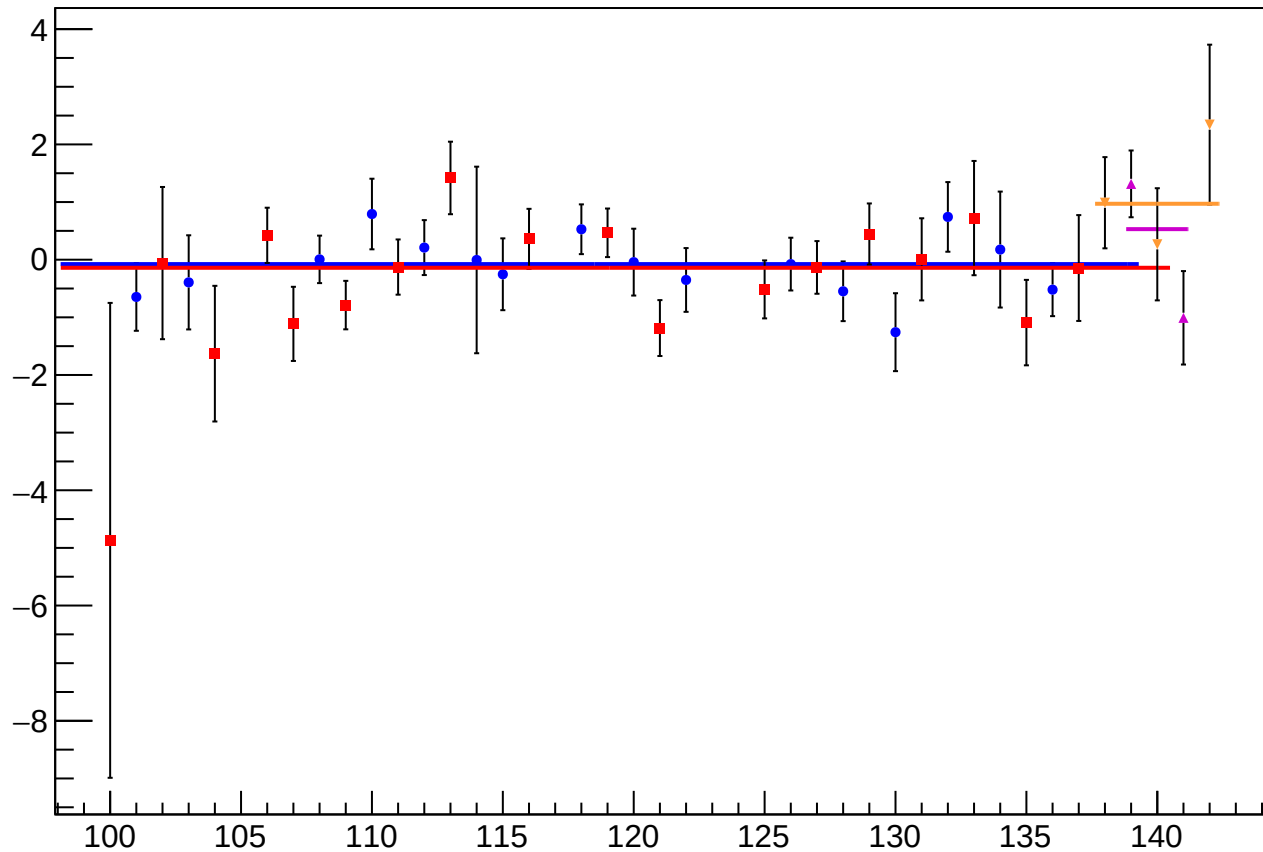
Left In: 595.952 $\pm$ 0.333 χ^2 /NDF: 118507.2/1

+ sign 381.213 $\pm$ 0.096 χ^2 /NDF: 1948462.9/18

All: 369.700 $\pm$ 0.067 χ^2 /NDF: 3848592.5/38

- sign 358.747 $\pm$ 0.094 χ^2 /NDF: 1872058.9/19

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: 0.970+/-0.561 χ^2/NDF : 1.5/2

Right Out: -0.140+/-0.138 χ^2/NDF : 27.0/17

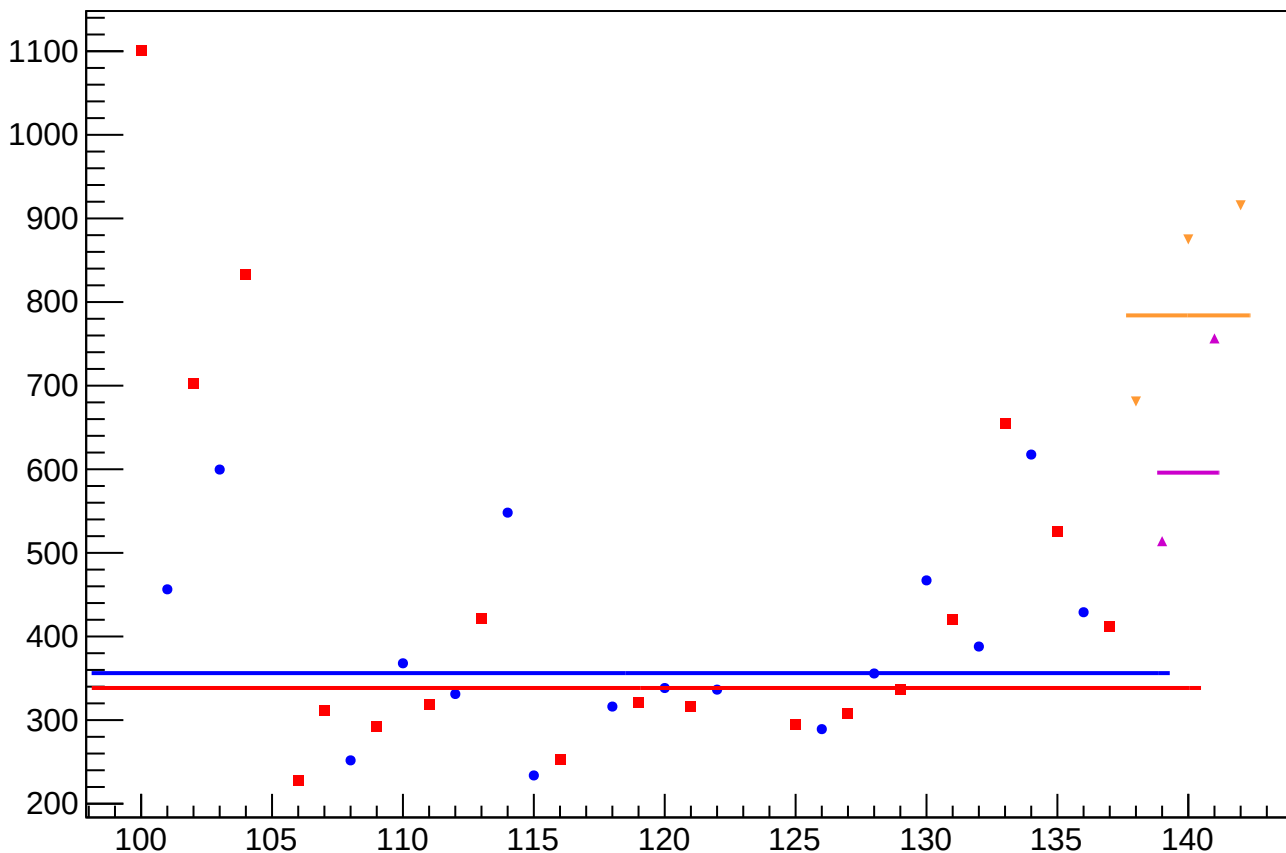
Left In: 0.530+/-0.471 χ^2/NDF : 5.4/1

+ sign -0.015+/-0.136 χ^2/NDF : 17.3/18

All: -0.052+/-0.095 χ^2/NDF : 51.7/38

- sign -0.087+/-0.132 χ^2/NDF : 34.3/19

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 356.190 $\pm$ 0.099 χ^2 /NDF: 785107.3/15

Left Out: 784.039 $\pm$ 0.397 χ^2 /NDF:69348.4/2

+ sign 381.213 $\pm$ 0.096 χ^2 /NDF: 1948462.9/18

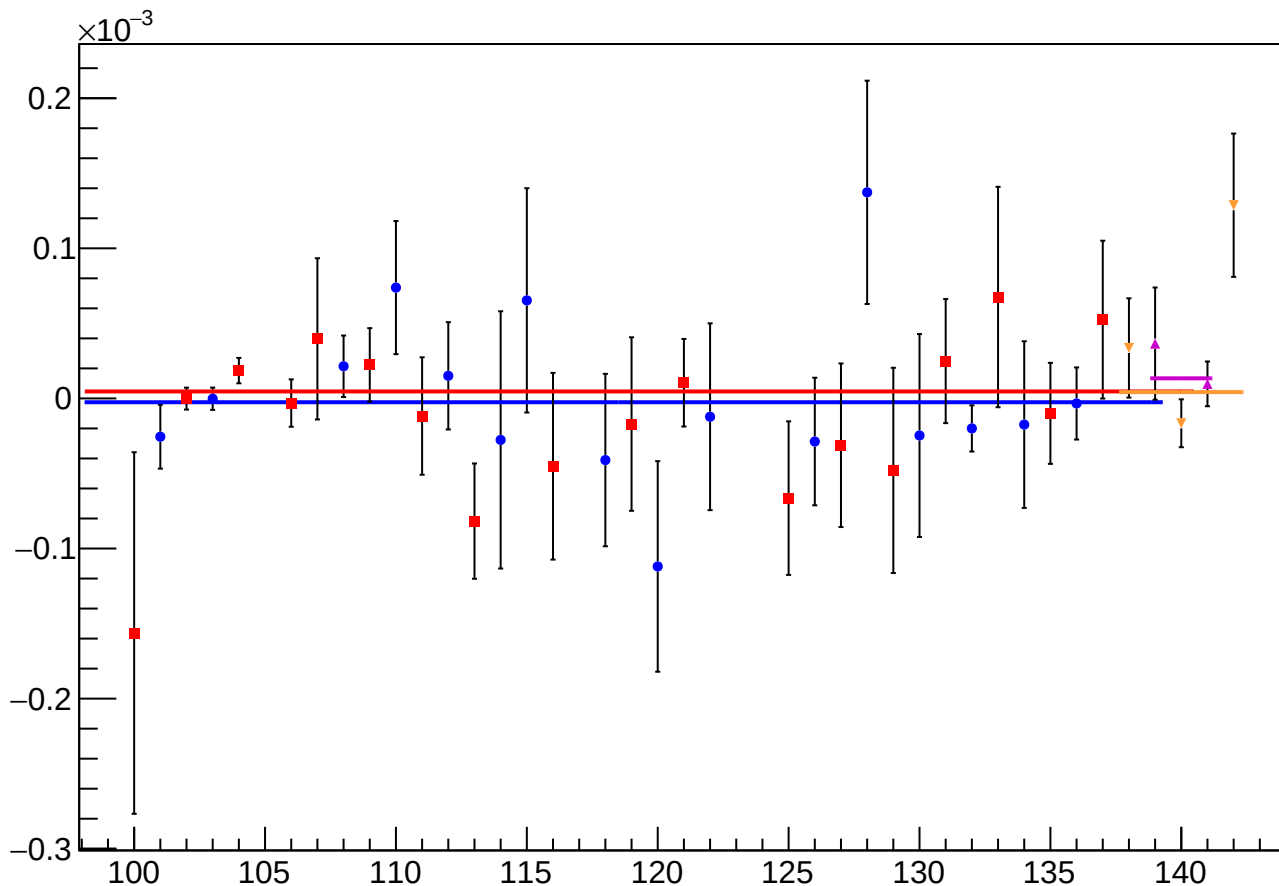
Right Out: 338.410 $\pm$ 0.098 χ^2 /NDF: 1203282.0/17

All: 369.700 $\pm$ 0.067 χ^2 /NDF: 3848592.5/38

- sign 358.747 $\pm$ 0.094 χ^2 /NDF: 1872058.9/19

Left In: 595.952 $\pm$ 0.333 χ^2 /NDF:118507.2/1

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_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: 9.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/17

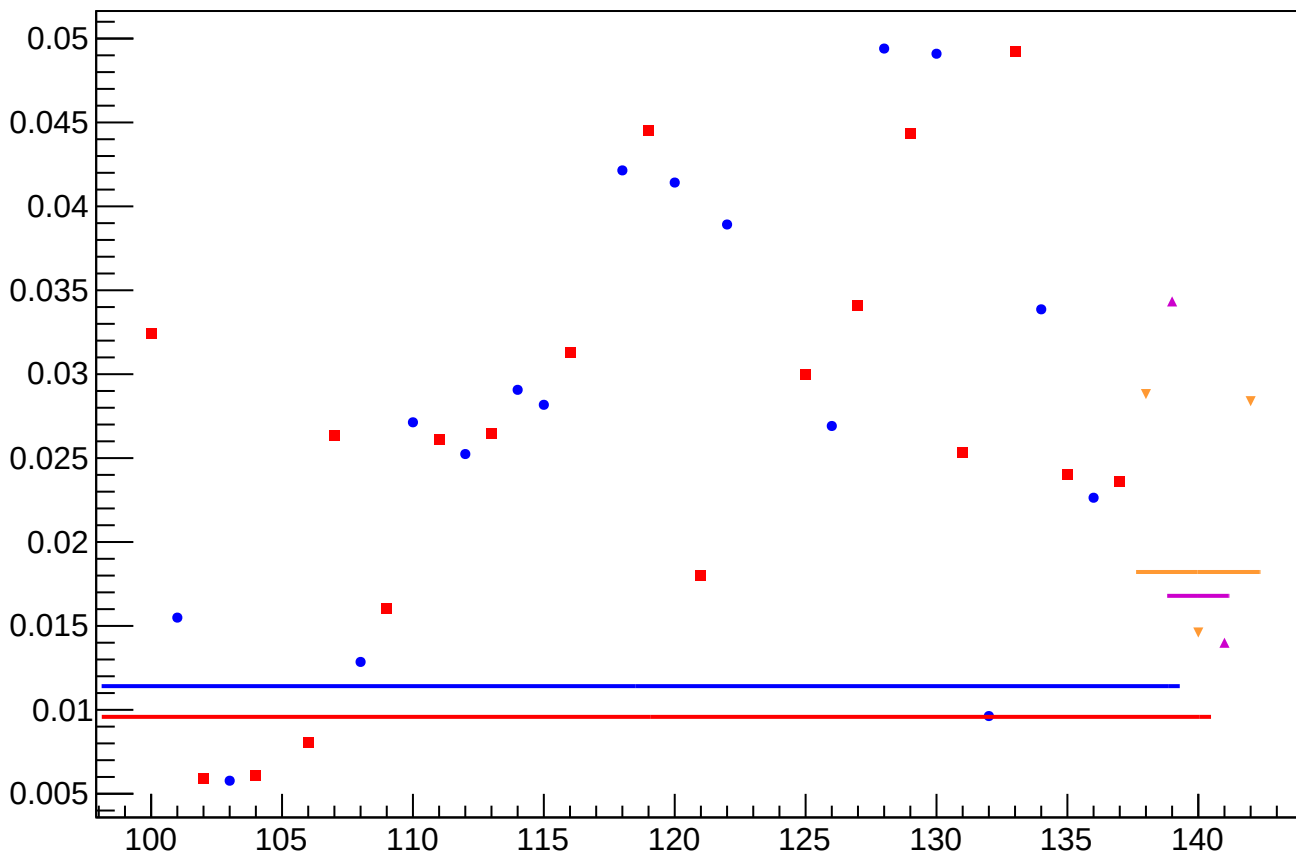
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.5/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/19

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 5500651.2/15

Left Out: 0.018+/-0.000 χ^2/NDF : 398356.1/2

Right Out: 0.010+/-0.000 χ^2/NDF : 5787700.4/17

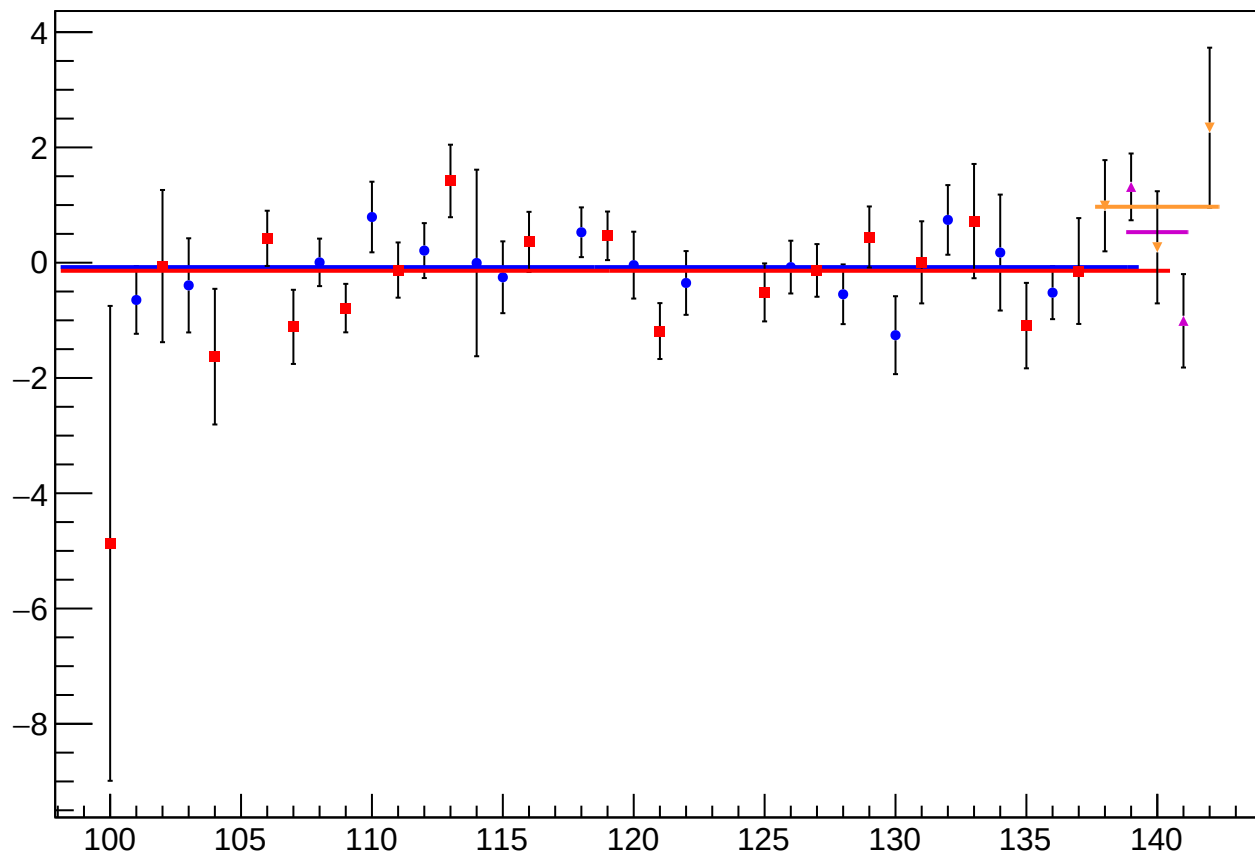
Left In: 0.017+/-0.000 χ^2/NDF : 511053.2/1

+ sign 0.012+/-0.000 χ^2/NDF : 6318739.6/18

All: 0.011+/-0.000 χ^2/NDF : 13280790.3/38

- sign 0.010+/-0.000 χ^2/NDF : 6784359.6/19

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: 0.970 ± 0.561 χ^2/NDF : 1.5/2

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

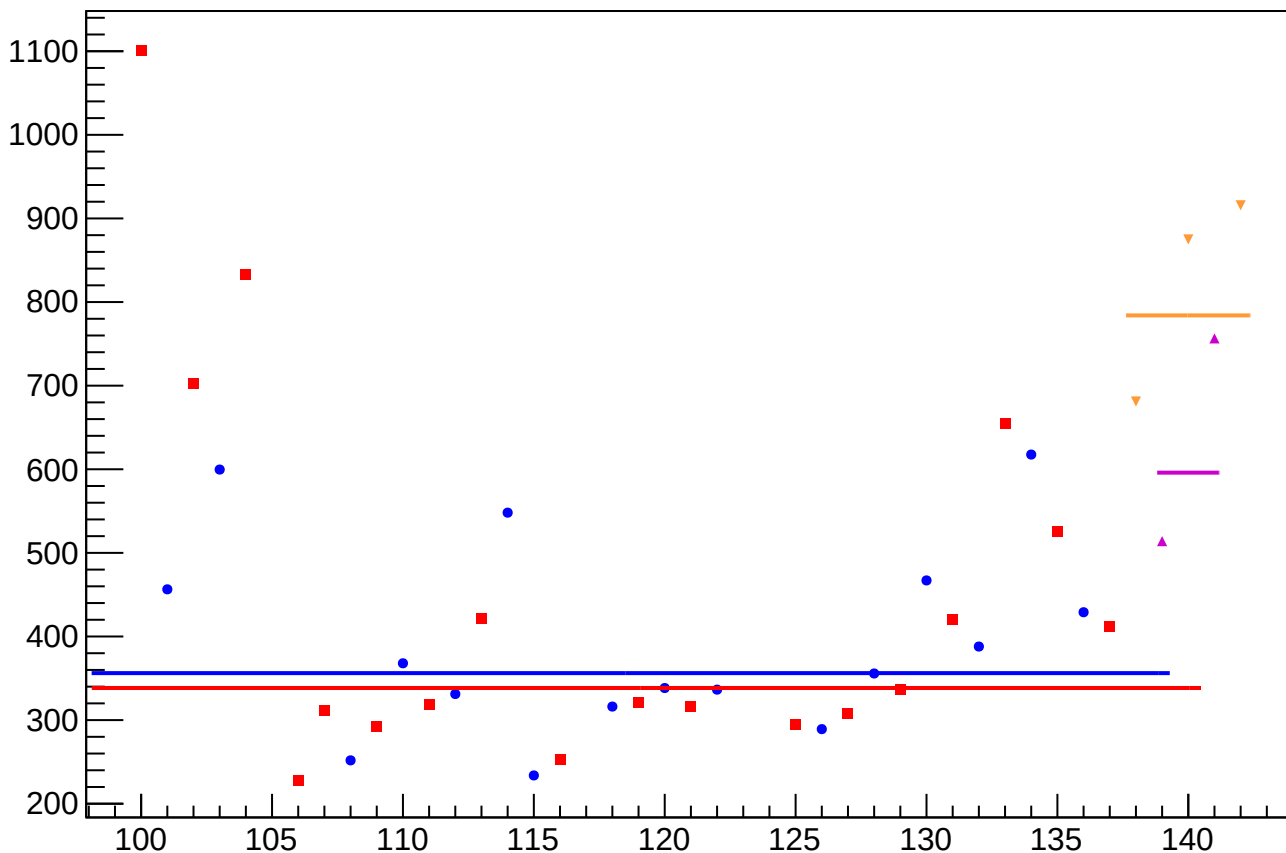
Left In: 0.530 ± 0.471 χ^2/NDF : 5.4/1

+ sign -0.015 ± 0.136 χ^2/NDF : 17.3/18

All: -0.052 ± 0.095 χ^2/NDF : 51.7/38

- sign -0.087 ± 0.132 χ^2/NDF : 34.3/19

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: 784.046+/-0.397 χ^2/NDF : 69348.6/2

+ sign 381.211+/-0.096 χ^2/NDF : 1948456.4/18

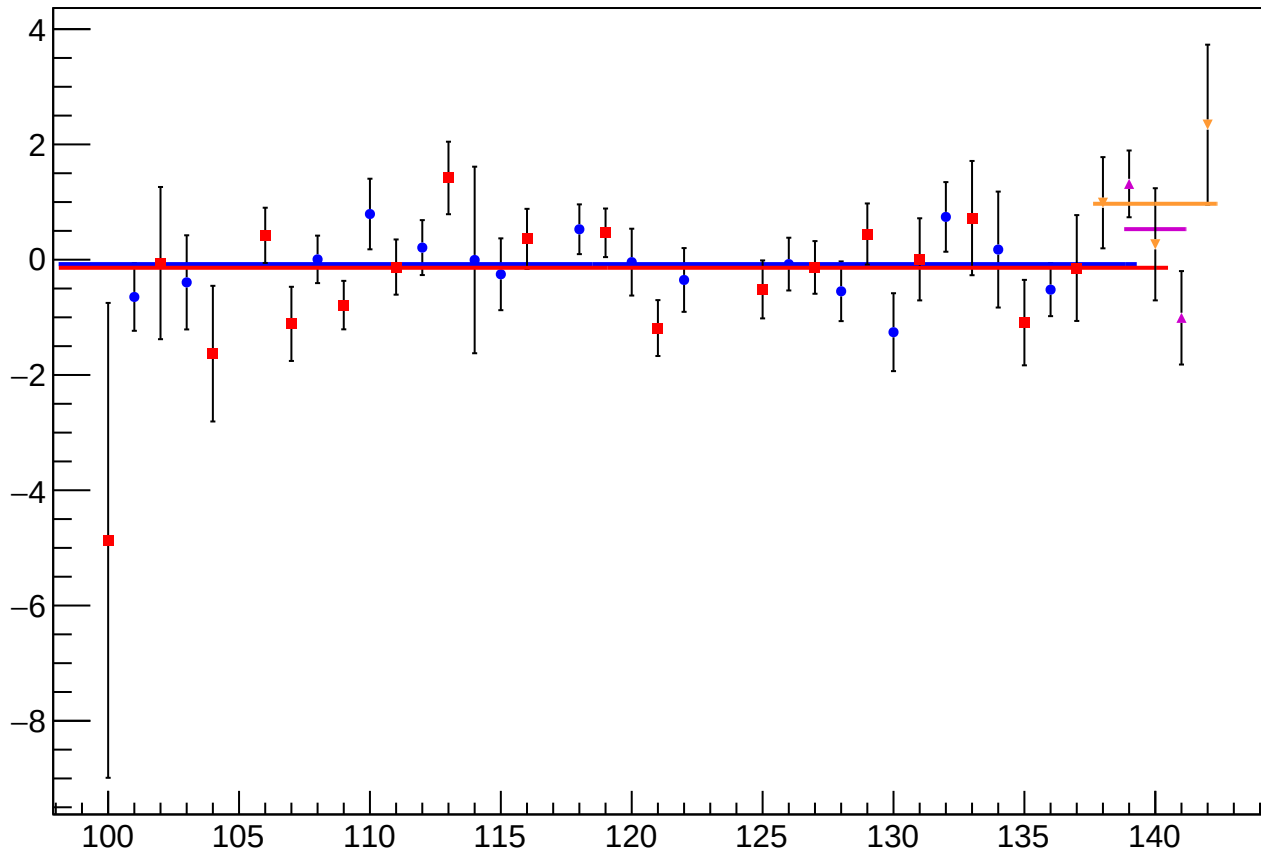
Right Out: 338.408+/-0.098 χ^2/NDF : 1203260.7/17

All: 369.698+/-0.067 χ^2/NDF : 3848595.7/38

- sign 358.745+/-0.094 χ^2/NDF : 1872067.4/19

Left In: 595.963+/-0.333 χ^2/NDF : 118497.3/1

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: 0.970 ± 0.561 χ^2/NDF : 1.5/2

Right Out: -0.140 ± 0.138 χ^2/NDF : 27.0/17

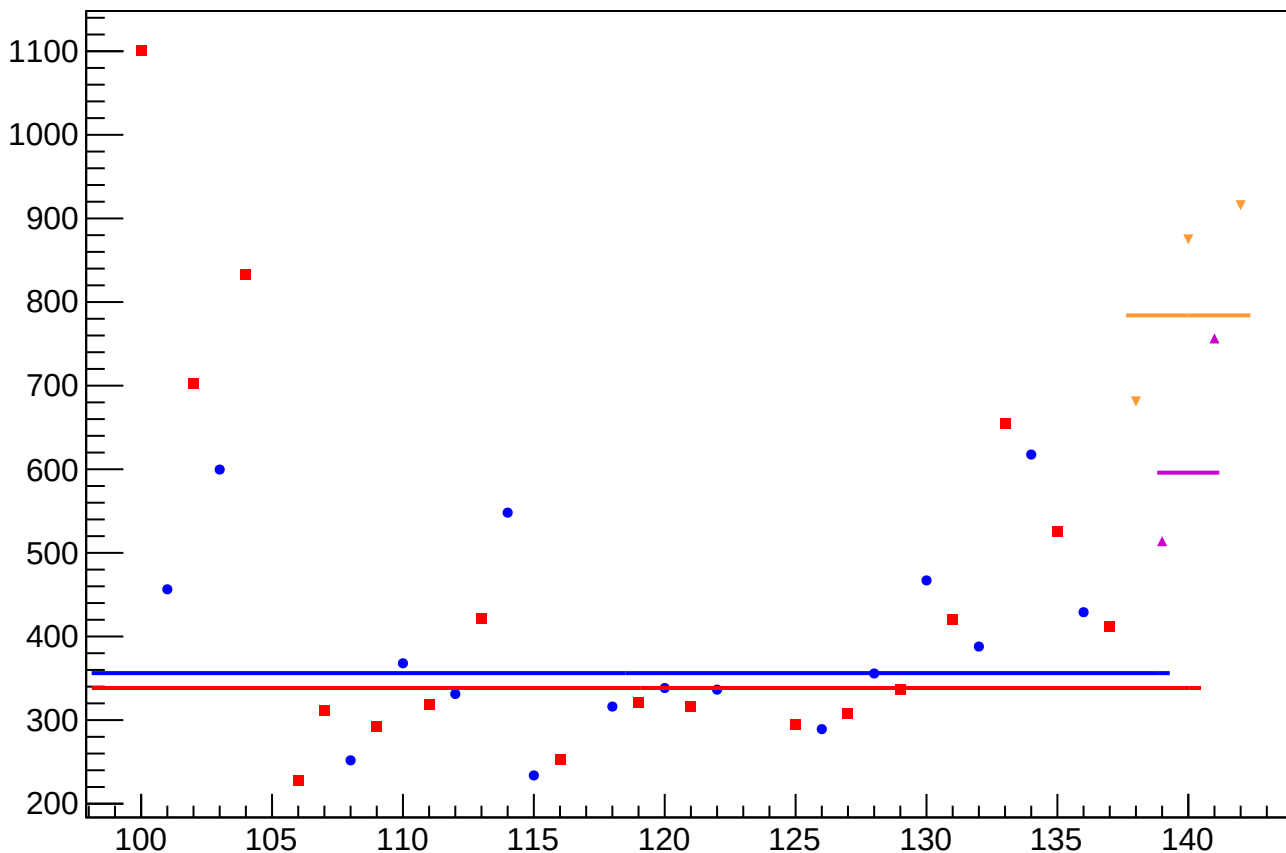
Left In: 0.530 ± 0.471 χ^2/NDF : 5.4/1

+ sign -0.015 ± 0.136 χ^2/NDF : 17.3/18

All: -0.052 ± 0.095 χ^2/NDF : 51.7/38

- sign -0.087 ± 0.132 χ^2/NDF : 34.3/19

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: 784.046+/-0.397 χ^2/NDF : 69348.6/2

Right Out: 338.408+/-0.098 χ^2/NDF : 1203260.7/17

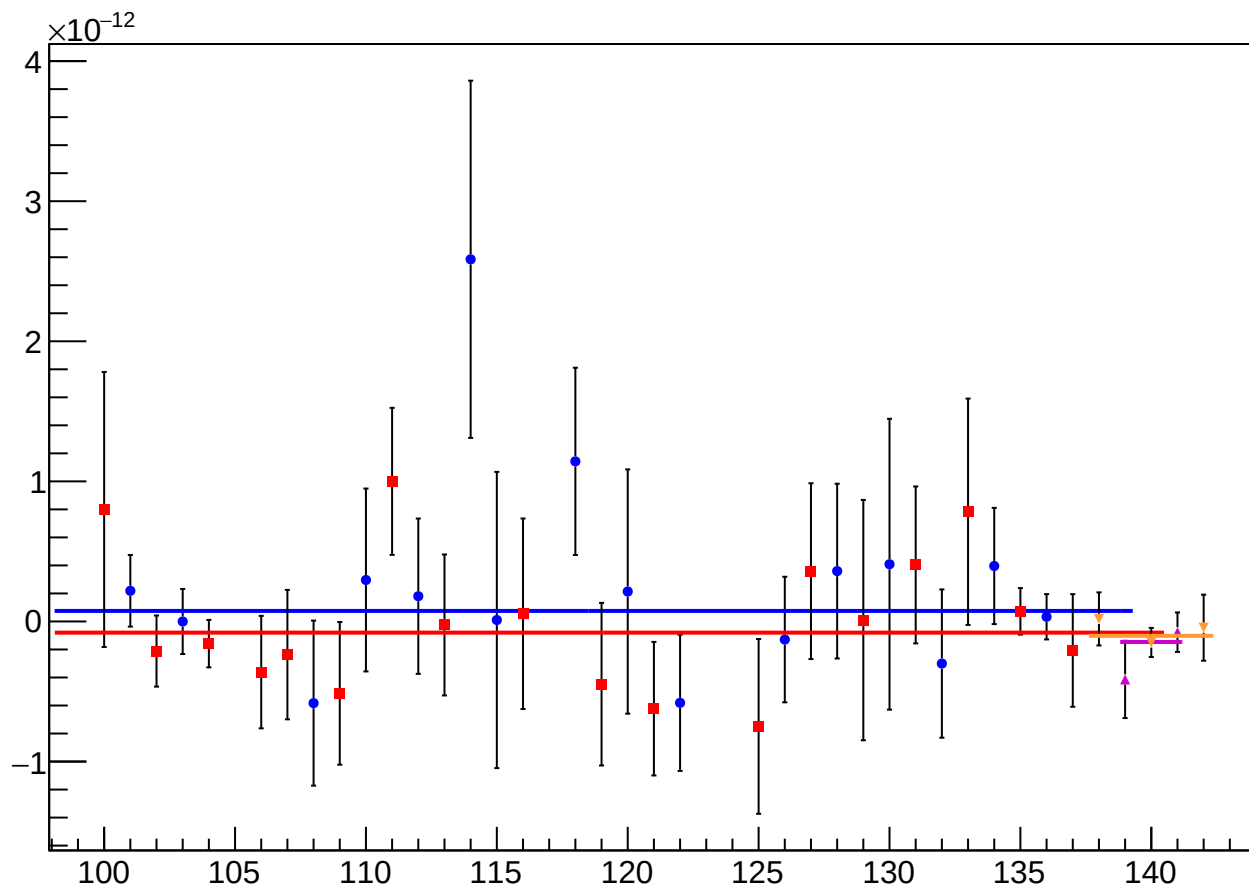
Left In: 595.963+/-0.333 χ^2/NDF : 118497.3/1

+ sign 381.211+/-0.096 χ^2/NDF : 1948456.4/18

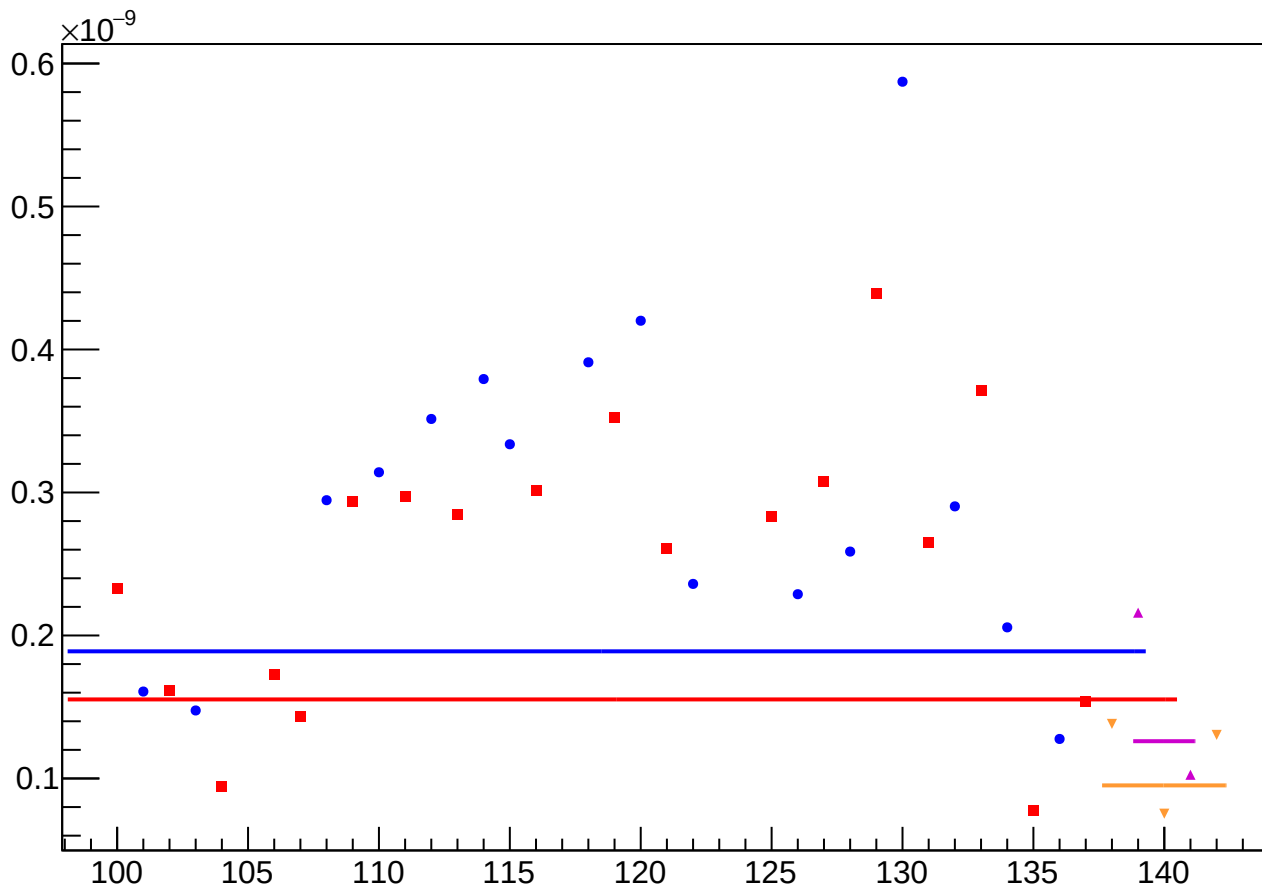
All: 369.698+/-0.067 χ^2/NDF : 3848595.7/38

- sign 358.745+/-0.094 χ^2/NDF : 1872067.4/19

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



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 : 220461.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2200687.6/17

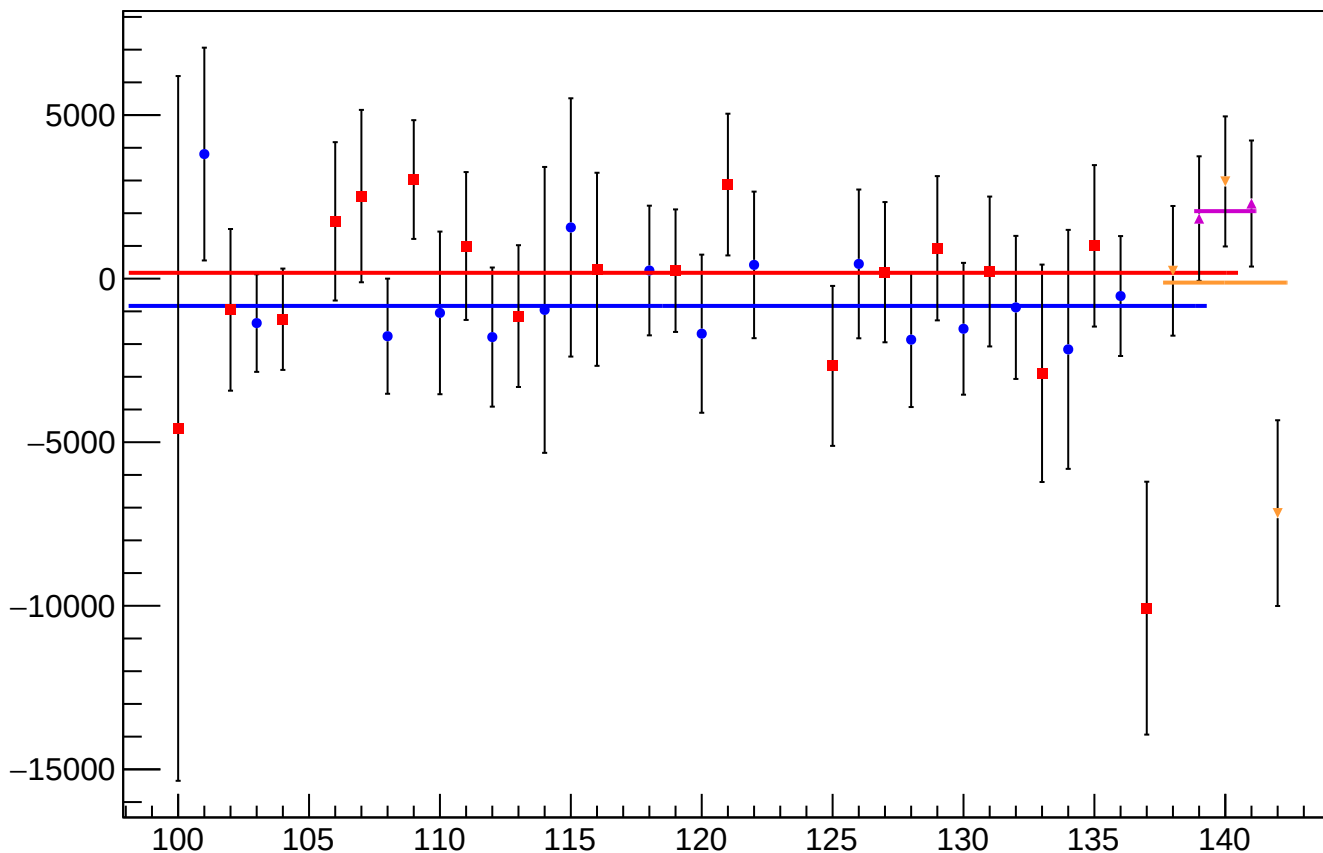
Left In: 0.000+/-0.000 χ^2/NDF : 267922.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2806004.2/18

All: 0.000+/-0.000 χ^2/NDF : 5370148.8/38

- sign 0.000+/-0.000 χ^2/NDF : 2542678.9/19

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF : 4.6/15

Left Out: -120.970+/-1258.326 χ^2/NDF : 8.6/2

Right Out: 178.292+/-547.824 χ^2/NDF : 16.5/17

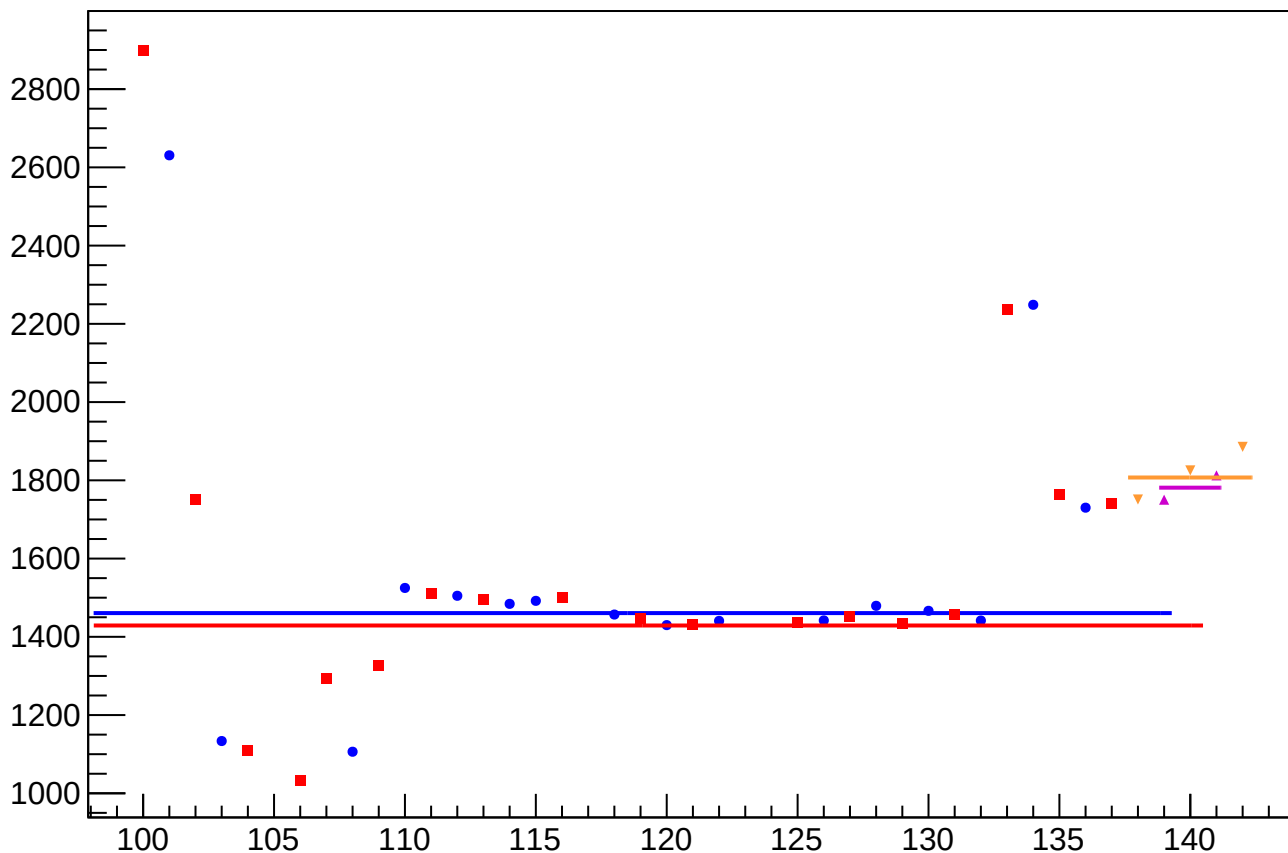
Left In: 2063.278+/-1354.289 χ^2/NDF : 0.0/1

+ sign -717.502+/-507.673 χ^2/NDF : 13.5/18

All: -137.272+/-359.041 χ^2/NDF : 34.2/38

- sign 443.357+/-507.848 χ^2/NDF : 18.1/19

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: 1807.239 $\pm$ 0.890 χ^2 /NDF: 3298.9/2

Right Out: 1428.940 $\pm$ 0.385 χ^2 /NDF: 411275.6/17

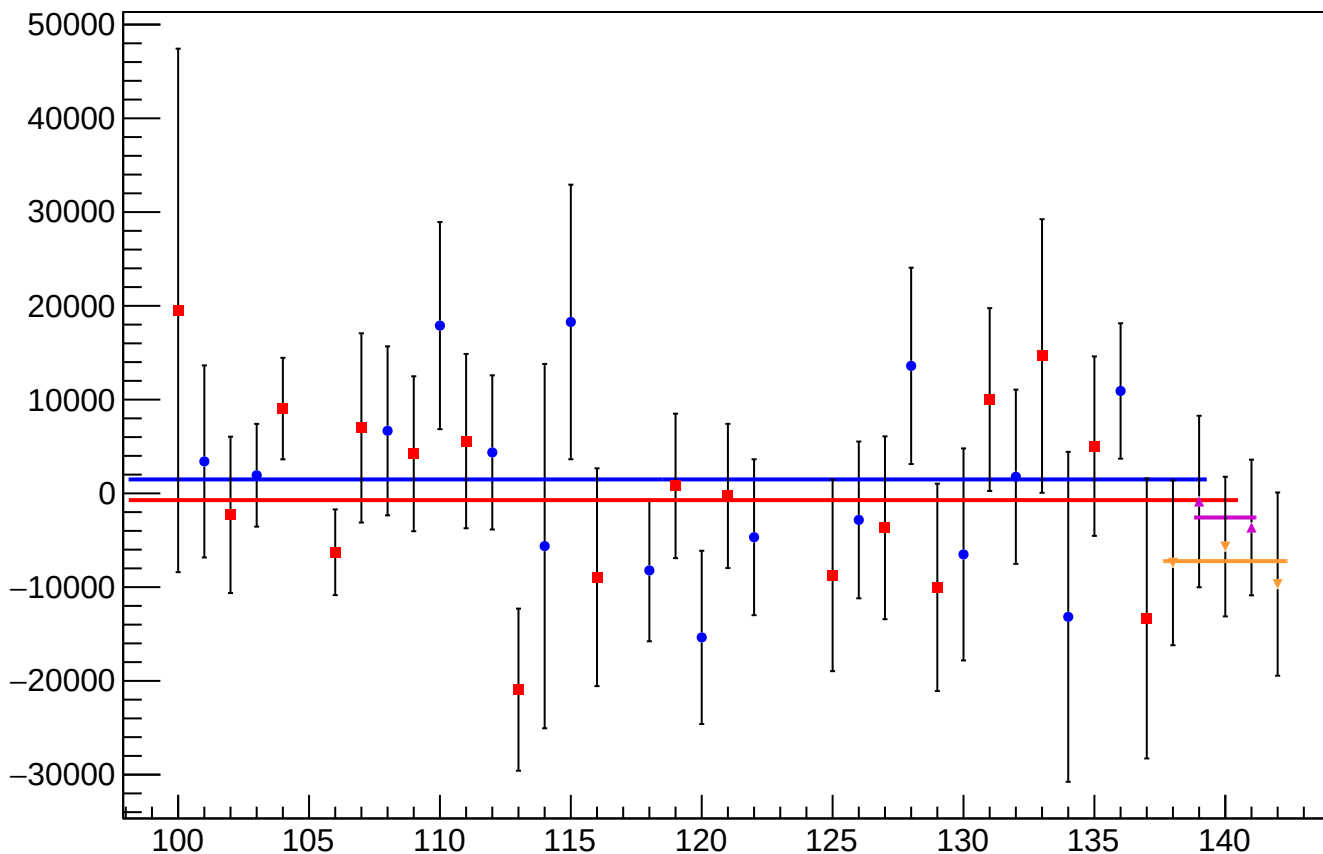
Left In: 1781.237 $\pm$ 0.958 χ^2 /NDF: 1052.9/1

+ sign 1517.068 $\pm$ 0.359 χ^2 /NDF: 706065.4/18

All: 1497.342 $\pm$ 0.253 χ^2 /NDF: 1240946.1/38

- sign 1477.852 $\pm$ 0.357 χ^2 /NDF: 528877.8/19

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: -7225.394 $\pm$ 4911.844 χ^2 /NDF: 0.1/2

Right Out: -720.166 $\pm$ 2011.559 χ^2 /NDF: 17.5/17

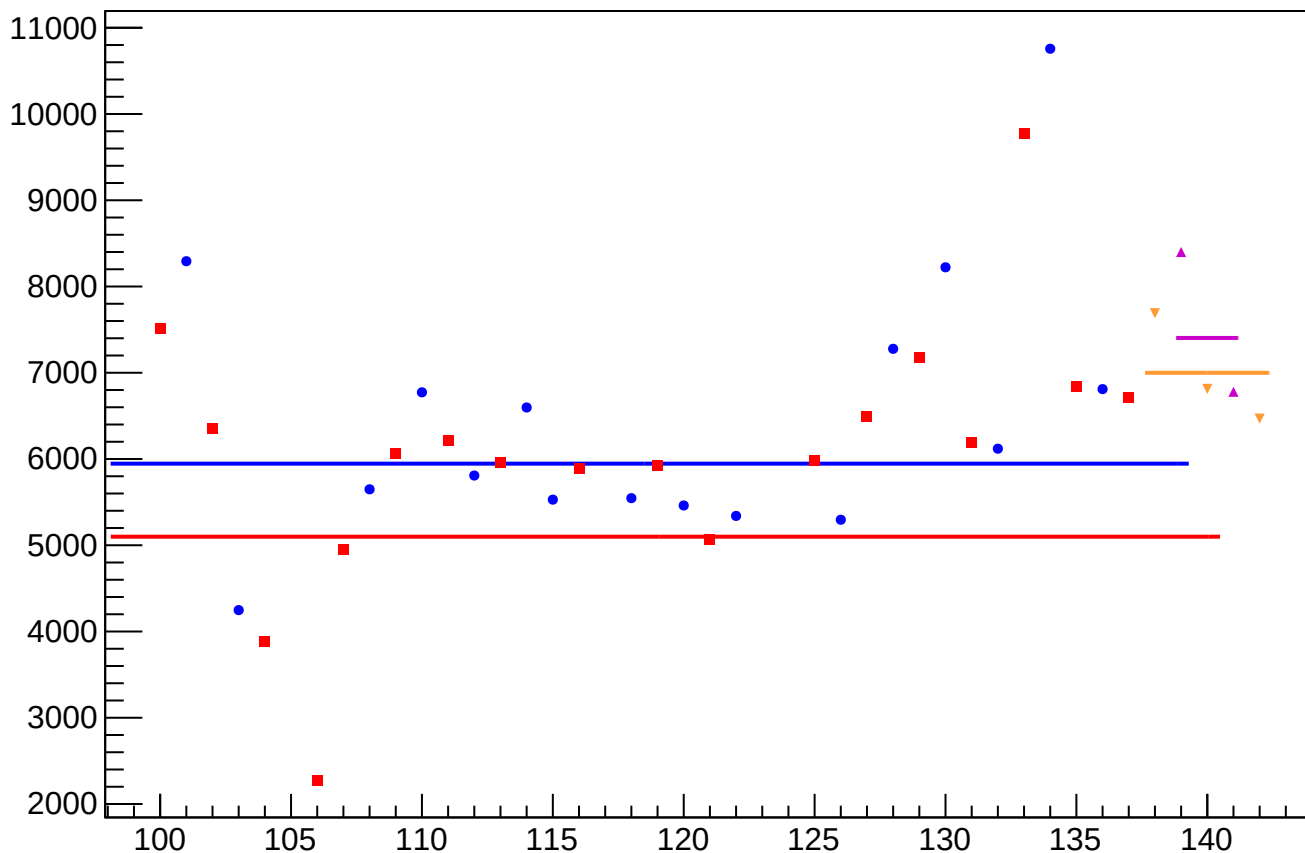
Left In: -2571.631 $\pm$ 5673.761 χ^2 /NDF: 0.1/1

+ sign -43.759 $\pm$ 2059.114 χ^2 /NDF: 16.9/18

All: -521.708 $\pm$ 1394.752 χ^2 /NDF: 34.7/38

- sign -926.903 $\pm$ 1895.929 χ^2 /NDF: 17.7/19

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF : 641131.4/15

Left Out: 6999.598+/-3.473 χ^2/NDF : 19508.1/2

Right Out: 5099.375+/-1.422 χ^2/NDF : 1480367.2/17

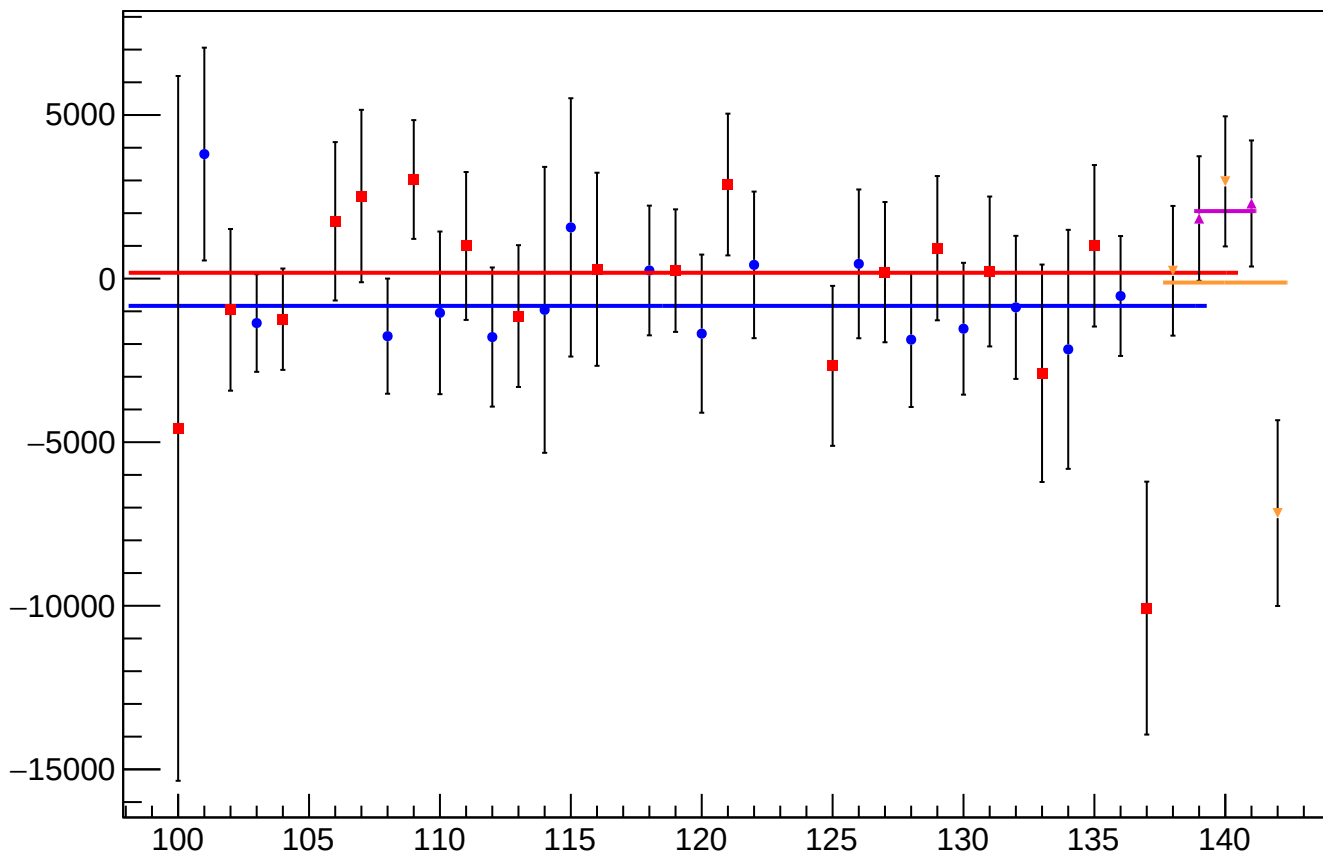
Left In: 7403.613+/-4.012 χ^2/NDF : 38623.8/1

+ sign 6131.226+/-1.456 χ^2/NDF : 736478.0/18

All: 5712.043+/-0.986 χ^2/NDF : 2701658.4/38

- sign 5356.668+/-1.341 χ^2/NDF : 1812027.3/19

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542 ± 554.833 $\chi^2/\text{NDF}: 4.6/15$

Left Out: -121.010 ± 1258.326 $\chi^2/\text{NDF}: 8.6/2$

Right Out: 178.133 ± 547.824 $\chi^2/\text{NDF}: 16.5/17$

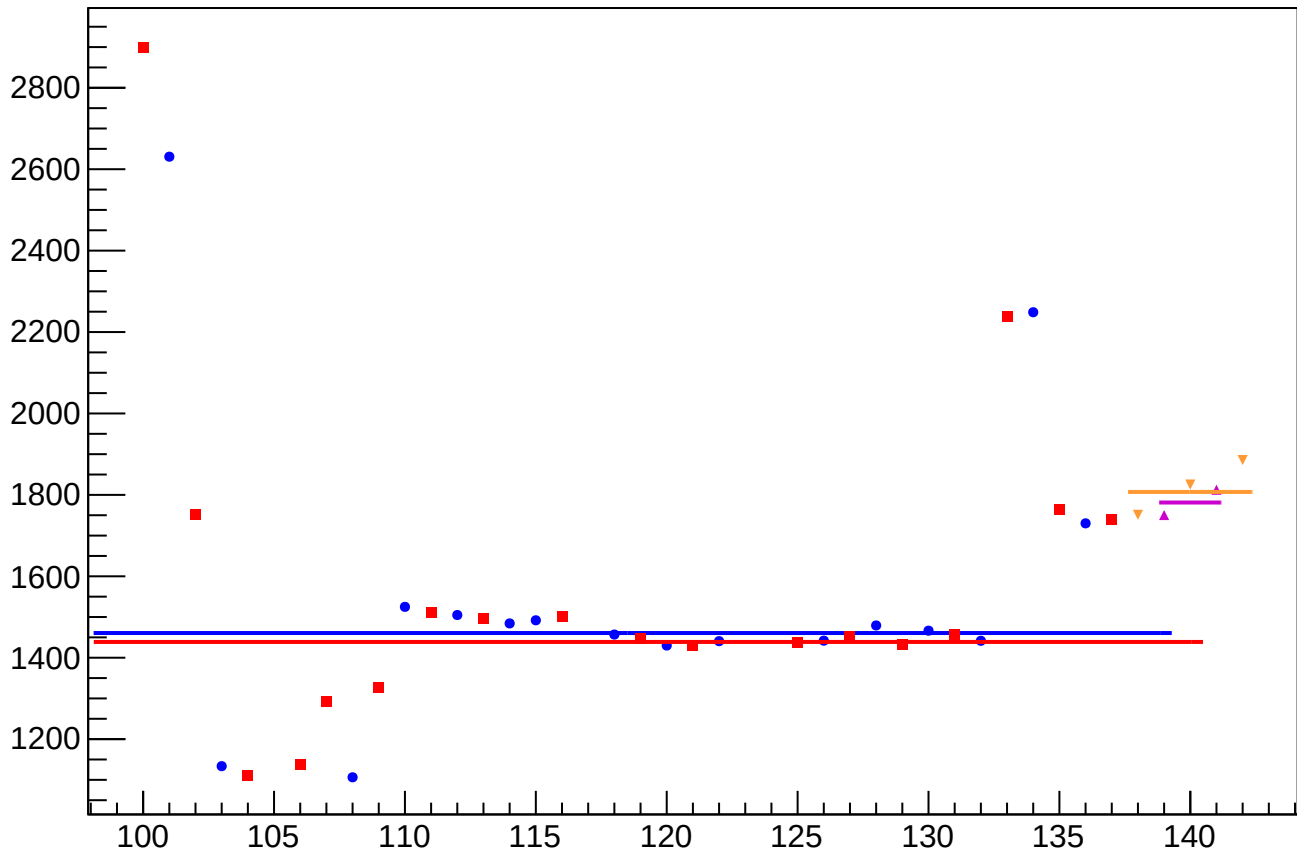
Left In: 2063.243 ± 1354.289 $\chi^2/\text{NDF}: 0.0/1$

+ sign -717.561 ± 507.673 $\chi^2/\text{NDF}: 13.5/18$

All: -137.373 ± 359.041 $\chi^2/\text{NDF}: 34.2/38$

- sign 443.215 ± 507.848 $\chi^2/\text{NDF}: 18.1/19$

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: 1807.239 $\pm$ 0.890 χ^2 /NDF: 3298.9/2

Right Out: 1438.764 $\pm$ 0.386 χ^2 /NDF: 373375.6/17

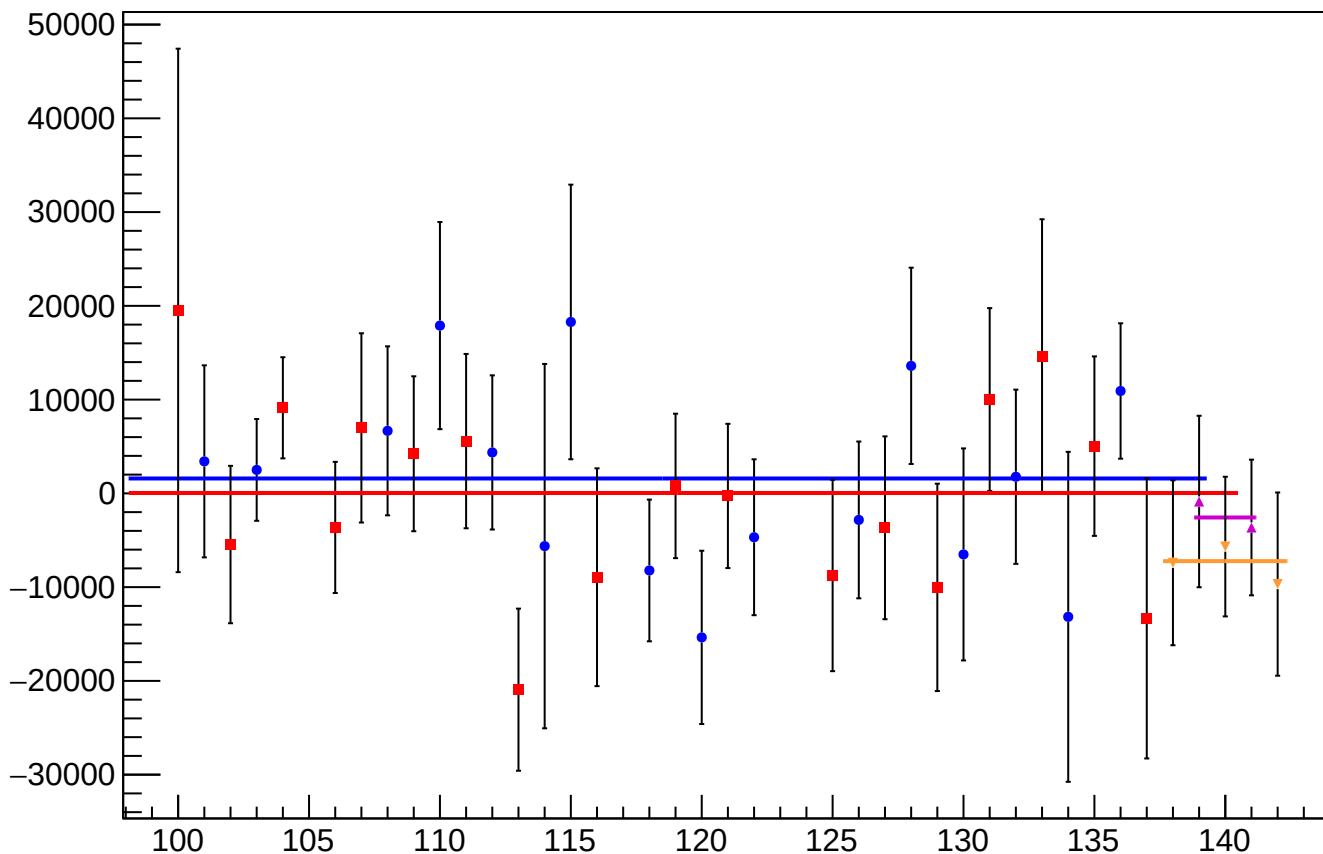
Left In: 1781.237 $\pm$ 0.958 χ^2 /NDF: 1052.9/1

+ sign 1517.068 $\pm$ 0.359 χ^2 /NDF: 706065.8/18

All: 1501.876 $\pm$ 0.254 χ^2 /NDF: 1194053.2/38

- sign 1486.733 $\pm$ 0.358 χ^2 /NDF: 484411.2/19

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug



Right In: 1588.655 $\pm$ 2264.260 χ^2 /NDF: 14.2/15

Left Out: -7225.469 $\pm$ 4911.839 χ^2 /NDF: 0.1/2

Right Out: 40.643 $\pm$ 2133.039 χ^2 /NDF: 16.5/17

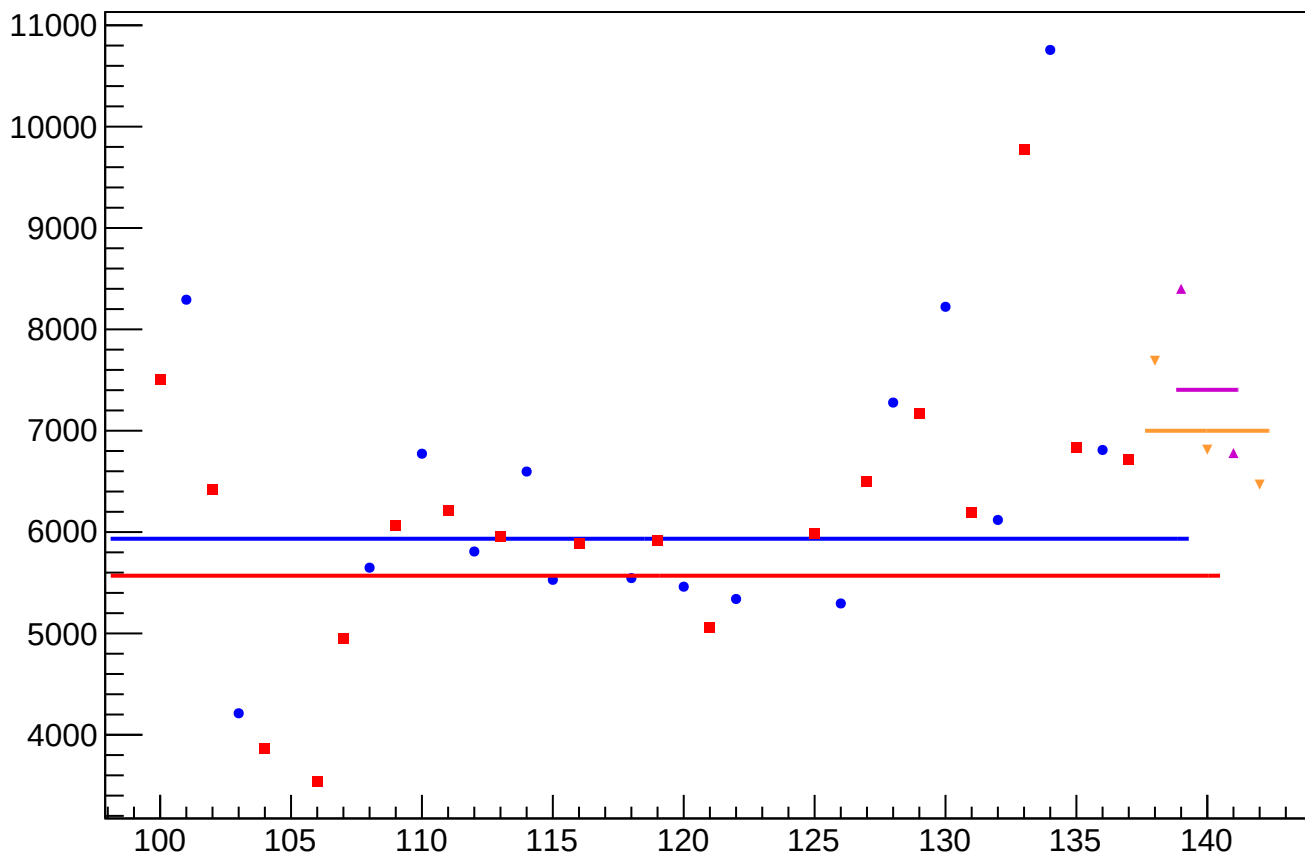
Left In: -2571.690 $\pm$ 5673.758 χ^2 /NDF: 0.1/1

+ sign 43.895 $\pm$ 2056.293 χ^2 /NDF: 17.0/18

All: -124.291 $\pm$ 1432.449 χ^2 /NDF: 33.7/38

- sign -282.854 $\pm$ 1996.603 χ^2 /NDF: 16.7/19

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: 6999.591+/-3.473 χ^2/NDF : 19507.8/2

Right Out: 5569.606+/-1.508 χ^2/NDF : 724048.8/17

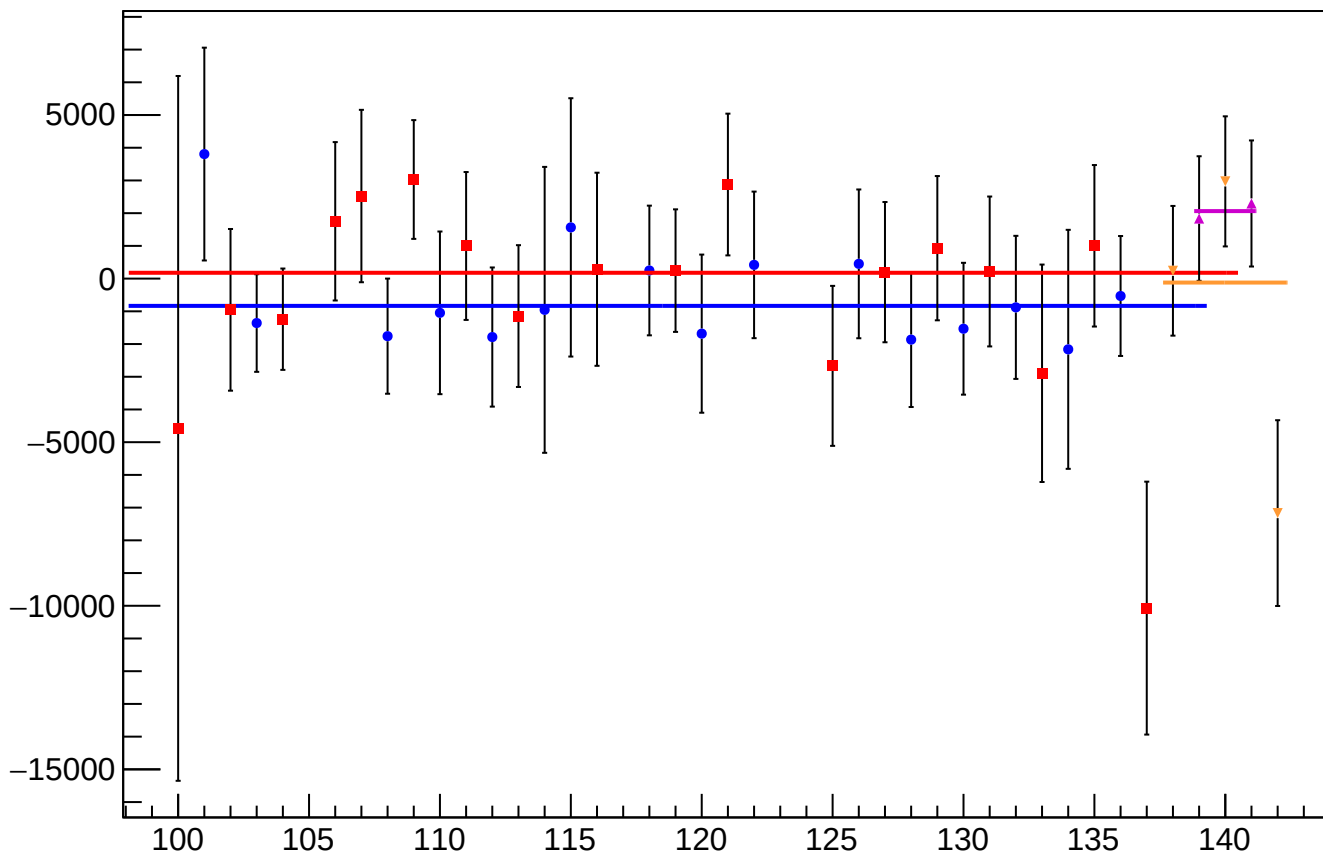
Left In: 7403.610+/-4.012 χ^2/NDF : 38623.4/1

+ sign 6120.927+/-1.454 χ^2/NDF : 750192.1/18

All: 5954.049+/-1.013 χ^2/NDF : 1721549.4/38

- sign 5796.719+/-1.412 χ^2/NDF : 945766.6/19

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF : 4.6/15

Left Out: -121.010+/-1258.326 χ^2/NDF : 8.6/2

Right Out: 178.133+/-547.824 χ^2/NDF : 16.5/17

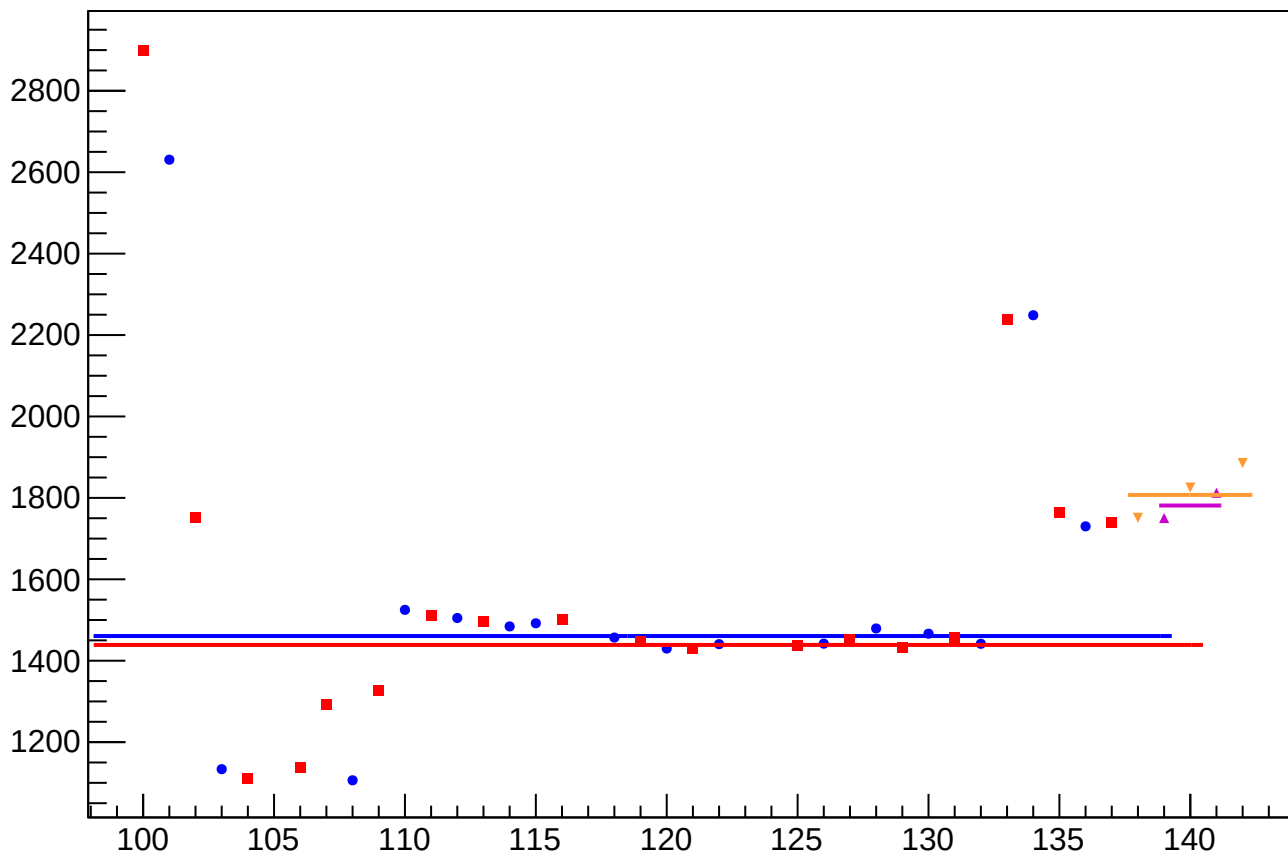
Left In: 2063.243+/-1354.289 χ^2/NDF : 0.0/1

+ sign -717.561+/-507.673 χ^2/NDF : 13.5/18

All: -137.373+/-359.041 χ^2/NDF : 34.2/38

- sign 443.215+/-507.848 χ^2/NDF : 18.1/19

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: 1807.239+/-0.890 χ^2/NDF : 3298.9/2

Right Out: 1438.764+/-0.386 χ^2/NDF : 373375.6/17

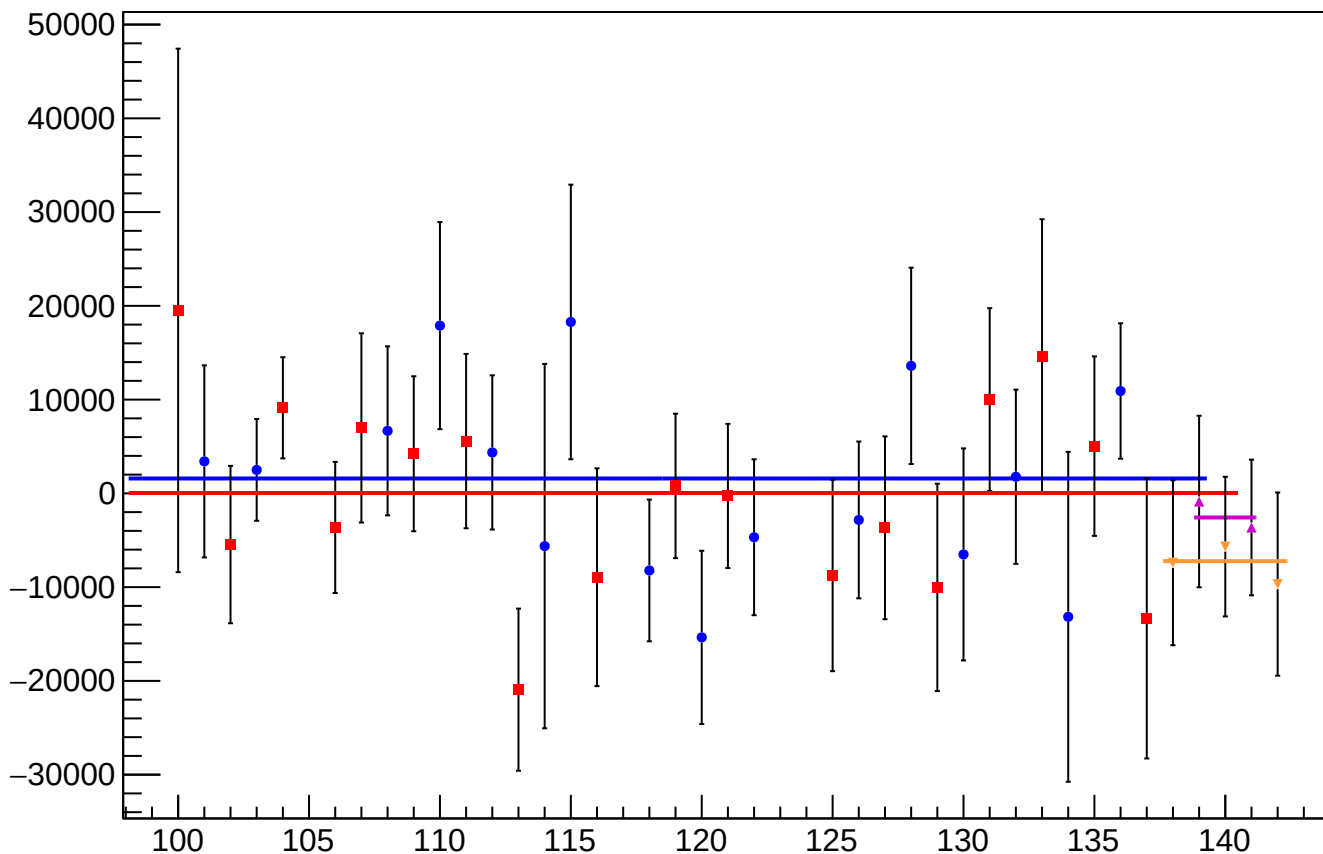
Left In: 1781.237+/-0.958 χ^2/NDF : 1052.9/1

+ sign 1517.068+/-0.359 χ^2/NDF : 706065.8/18

All: 1501.876+/-0.254 χ^2/NDF : 1194053.2/38

- sign 1486.733+/-0.358 χ^2/NDF : 484411.2/19

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 1588.655 $\pm$ 2264.260 χ^2 /NDF: 14.2/15

Left Out: -7225.469 $\pm$ 4911.839 χ^2 /NDF: 0.1/2

Right Out: 40.643 $\pm$ 2133.039 χ^2 /NDF: 16.5/17

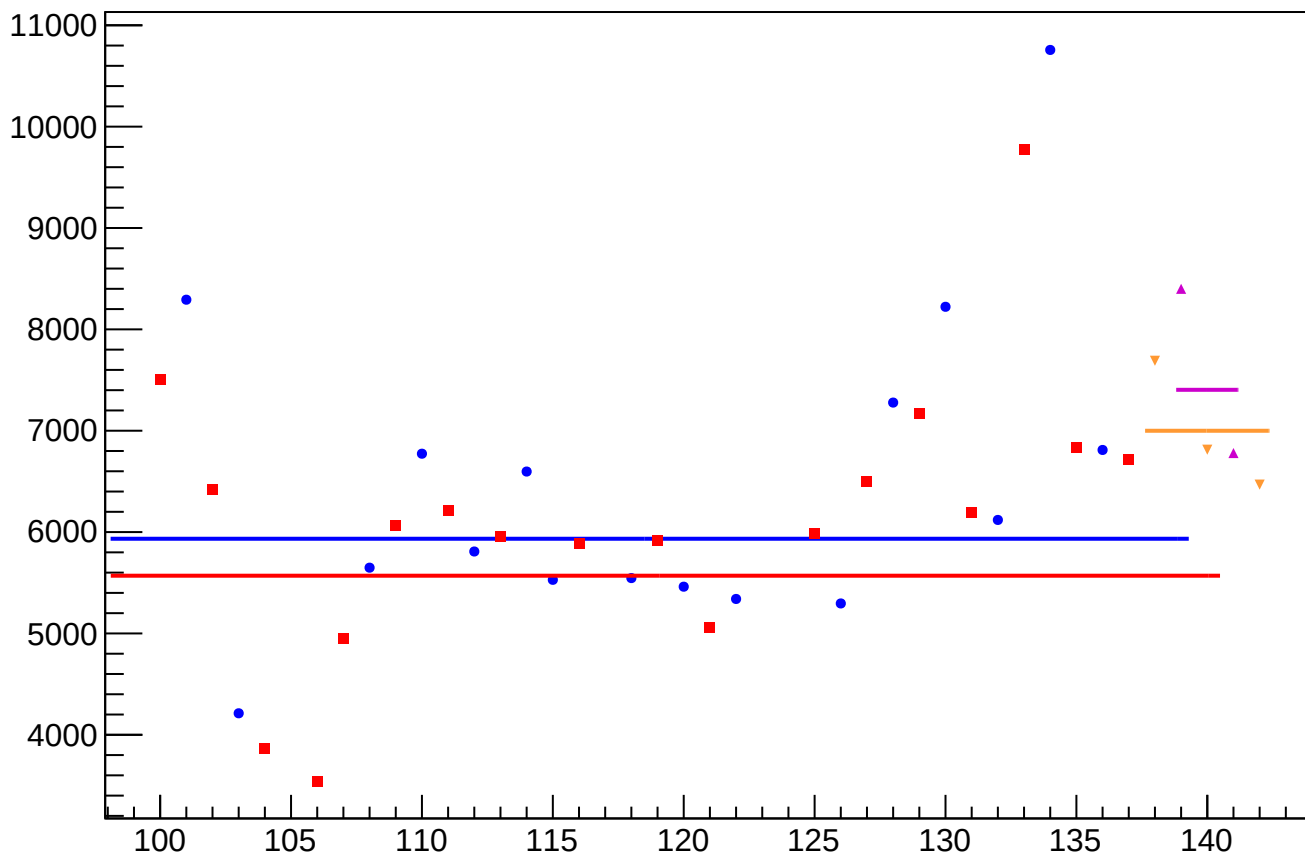
Left In: -2571.690 $\pm$ 5673.758 χ^2 /NDF: 0.1/1

+ sign 43.895 $\pm$ 2056.293 χ^2 /NDF: 17.0/18

All: -124.291 $\pm$ 1432.449 χ^2 /NDF: 33.7/38

- sign -282.854 $\pm$ 1996.603 χ^2 /NDF: 16.7/19

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: 6999.591+/-3.473 χ^2/NDF : 19507.8/2

Right Out: 5569.606+/-1.508 χ^2/NDF : 724048.8/17

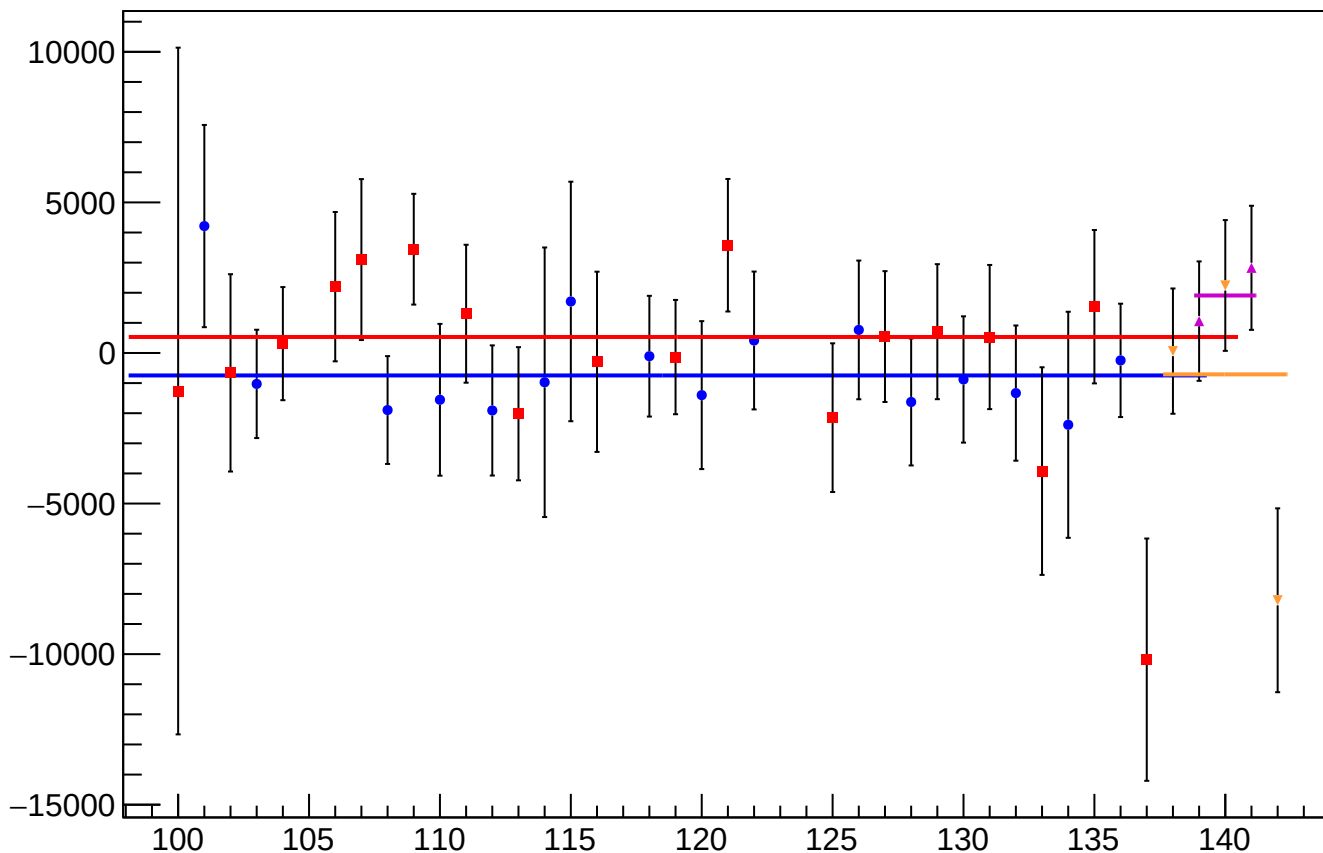
Left In: 7403.610+/-4.012 χ^2/NDF : 38623.4/1

+ sign 6120.927+/-1.454 χ^2/NDF : 750192.1/18

All: 5954.049+/-1.013 χ^2/NDF : 1721549.4/38

- sign 5796.719+/-1.412 χ^2/NDF : 945766.6/19

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: -710.265 $\pm$ 1347.722 χ^2 /NDF:8.0/2

Right Out: 531.292 $\pm$ 575.115 χ^2 /NDF: 17.7/17

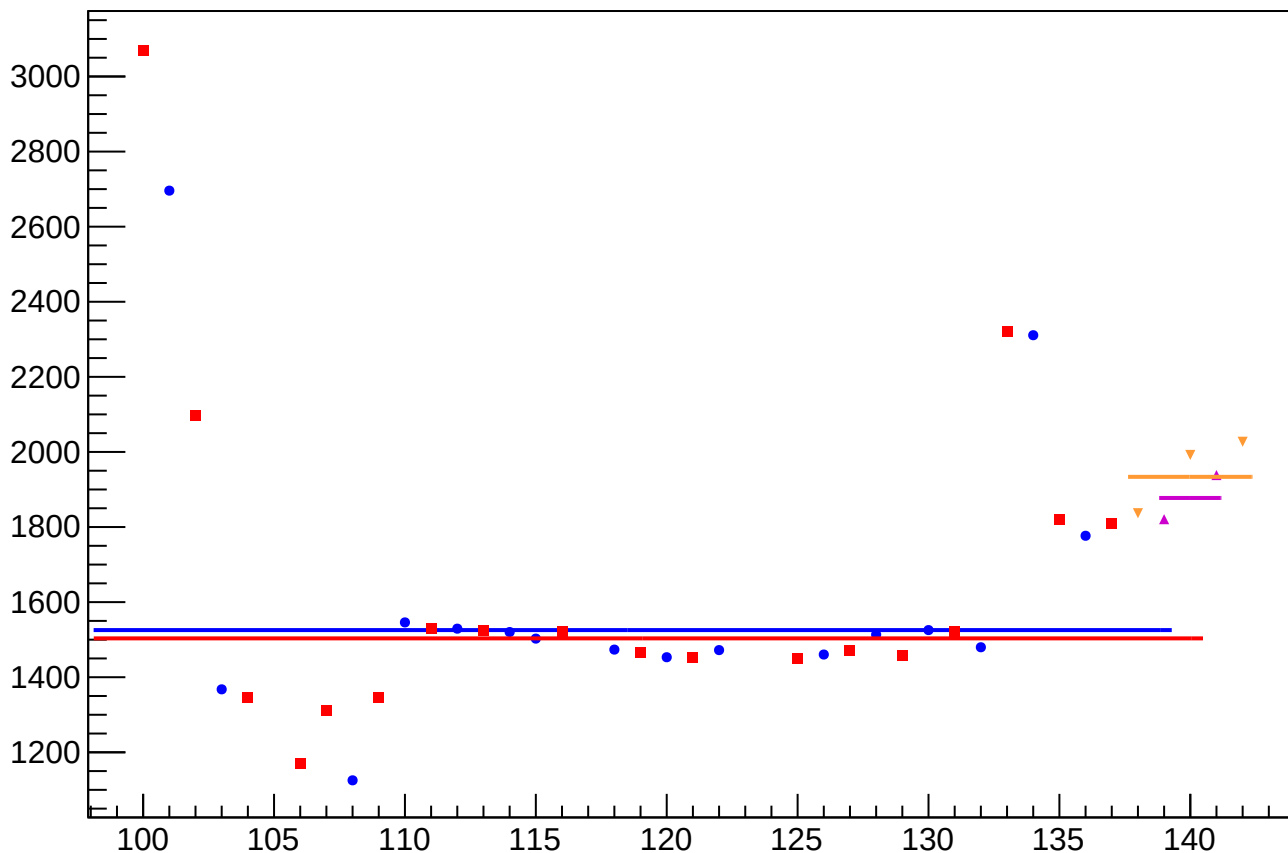
Left In: 1909.047 $\pm$ 1428.797 χ^2 /NDF:0.4/1

+ sign -740.374 $\pm$ 531.263 χ^2 /NDF: 12.8/18

All: -11.589 $\pm$ 376.454 χ^2 /NDF: 35.5/38

- sign 723.392 $\pm$ 533.516 χ^2 /NDF: 18.9/19

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536 $\pm$ 0.409 χ^2 /NDF: 488328.2/15

Left Out: 1933.688 $\pm$ 0.953 χ^2 /NDF: 7657.2/2

Right Out: 1503.434 $\pm$ 0.407 χ^2 /NDF: 338507.3/17

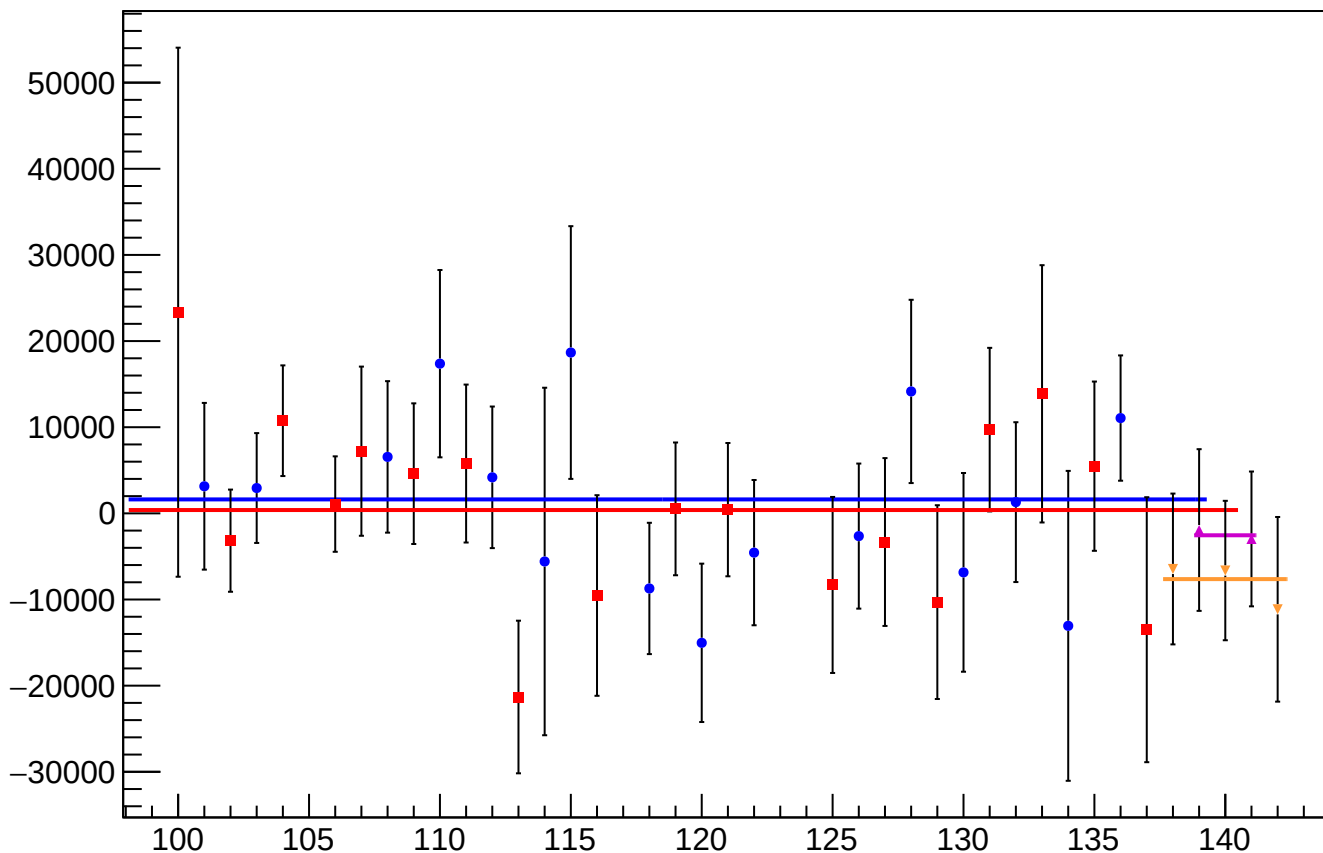
Left In: 1877.432 $\pm$ 1.010 χ^2 /NDF: 3378.3/1

+ sign 1588.958 $\pm$ 0.376 χ^2 /NDF: 650913.7/18

All: 1572.323 $\pm$ 0.266 χ^2 /NDF: 1114673.5/38

- sign 1555.555 $\pm$ 0.377 χ^2 /NDF: 459822.2/19

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: -7631.774 $\pm$ 5196.844 χ^2 /NDF: 0.1/2

Right Out: 385.942 $\pm$ 2060.867 χ^2 /NDF: 16.0/17

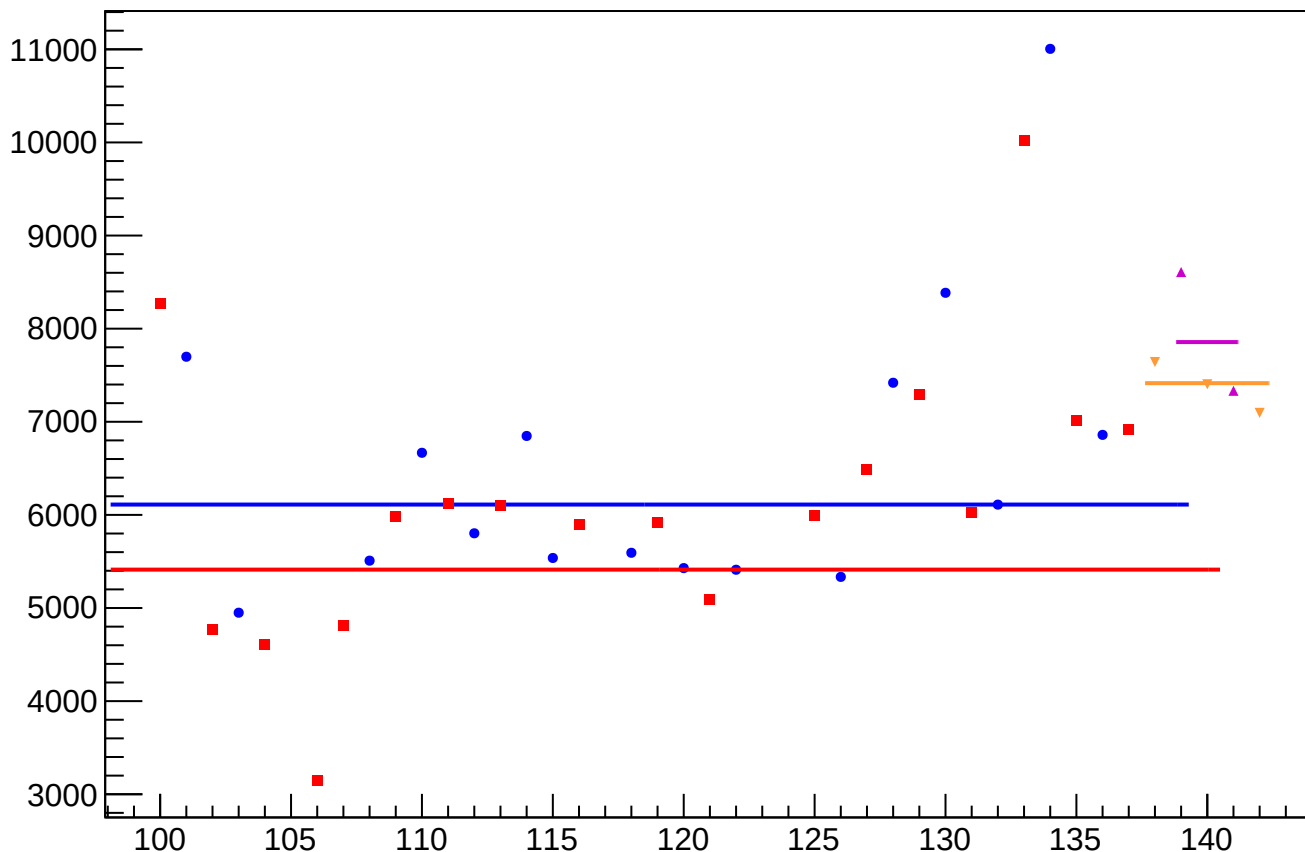
Left In: -2544.088 $\pm$ 6010.067 χ^2 /NDF: 0.0/1

+ sign 82.582 $\pm$ 2118.507 χ^2 /NDF: 17.0/18

All: 79.922 $\pm$ 1434.515 χ^2 /NDF: 33.3/38

- sign 77.670 $\pm$ 1949.442 χ^2 /NDF: 16.2/19

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037 $\pm$ 1.641 χ^2/NDF : 471661.4/15

Left Out: 7414.817 $\pm$ 3.675 χ^2/NDF : 3121.0/2

Right Out: 5412.276 $\pm$ 1.457 χ^2/NDF : 821530.3/17

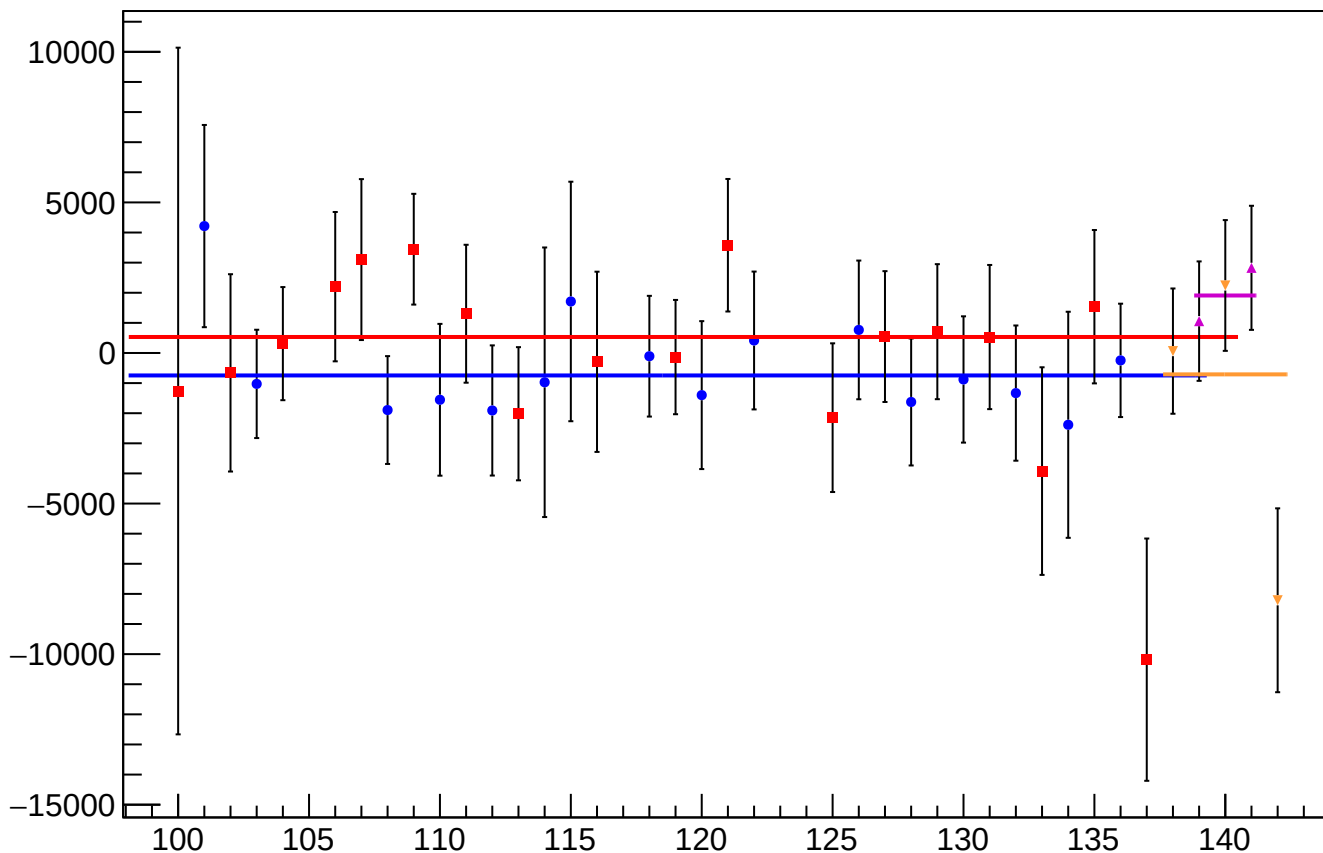
Left In: 7856.054 $\pm$ 4.250 χ^2/NDF : 21792.4/1

+ sign 6327.700 $\pm$ 1.498 χ^2/NDF : 579744.3/18

All: 5971.232 $\pm$ 1.014 χ^2/NDF : 1823520.5/38

- sign 5669.389 $\pm$ 1.378 χ^2/NDF : 1139202.7/19

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: -710.282+/-1347.724 χ^2/NDF : 8.0/2

Right Out: 531.302+/-575.115 χ^2/NDF : 17.7/17

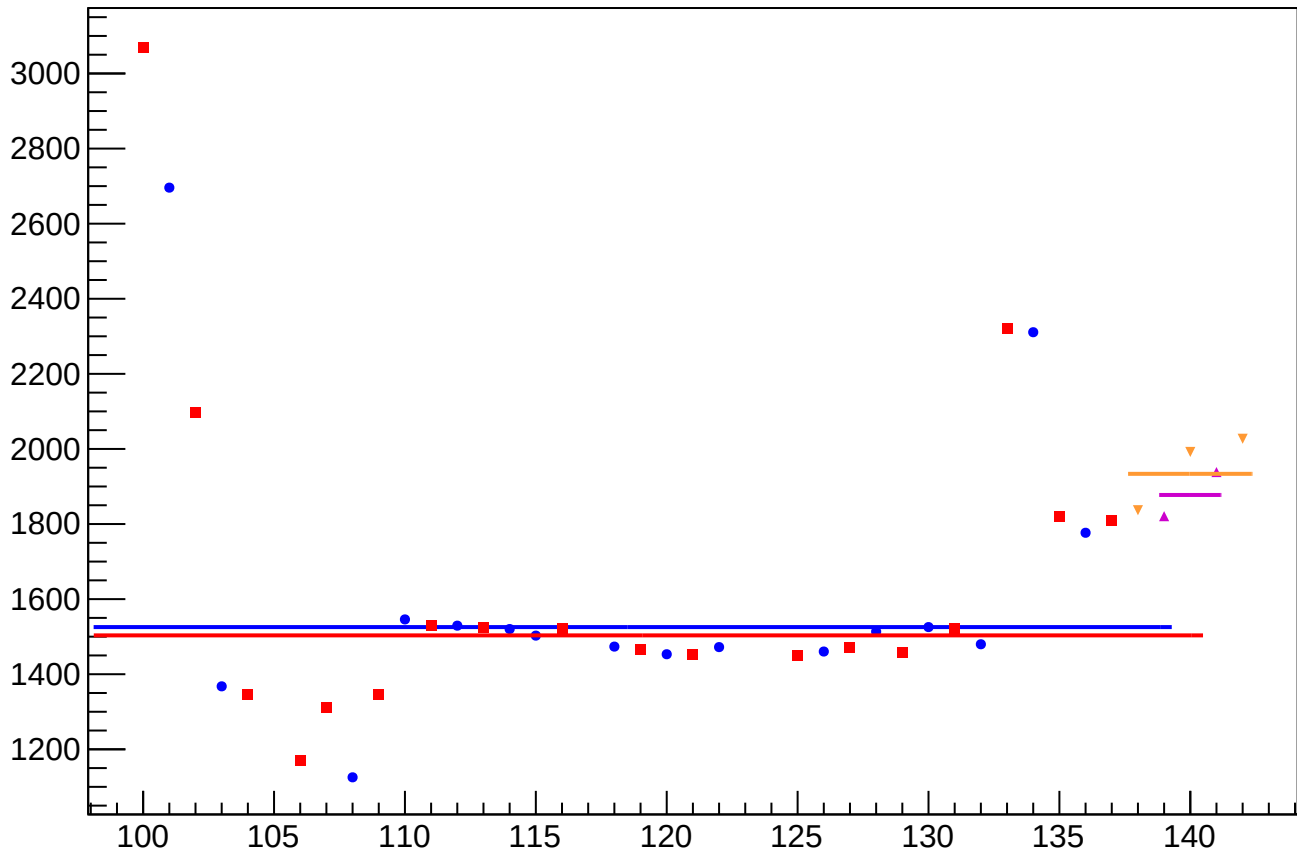
Left In: 1909.027+/-1428.798 χ^2/NDF : 0.4/1

+ sign -740.381+/-531.263 χ^2/NDF : 12.8/18

All: -11.589+/-376.454 χ^2/NDF : 35.5/38

- sign 723.397+/-533.517 χ^2/NDF : 18.9/19

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF : 488327.8/15

Left Out: 1933.690+/-0.953 χ^2/NDF : 7657.3/2

Right Out: 1503.435+/-0.407 χ^2/NDF : 338507.7/17

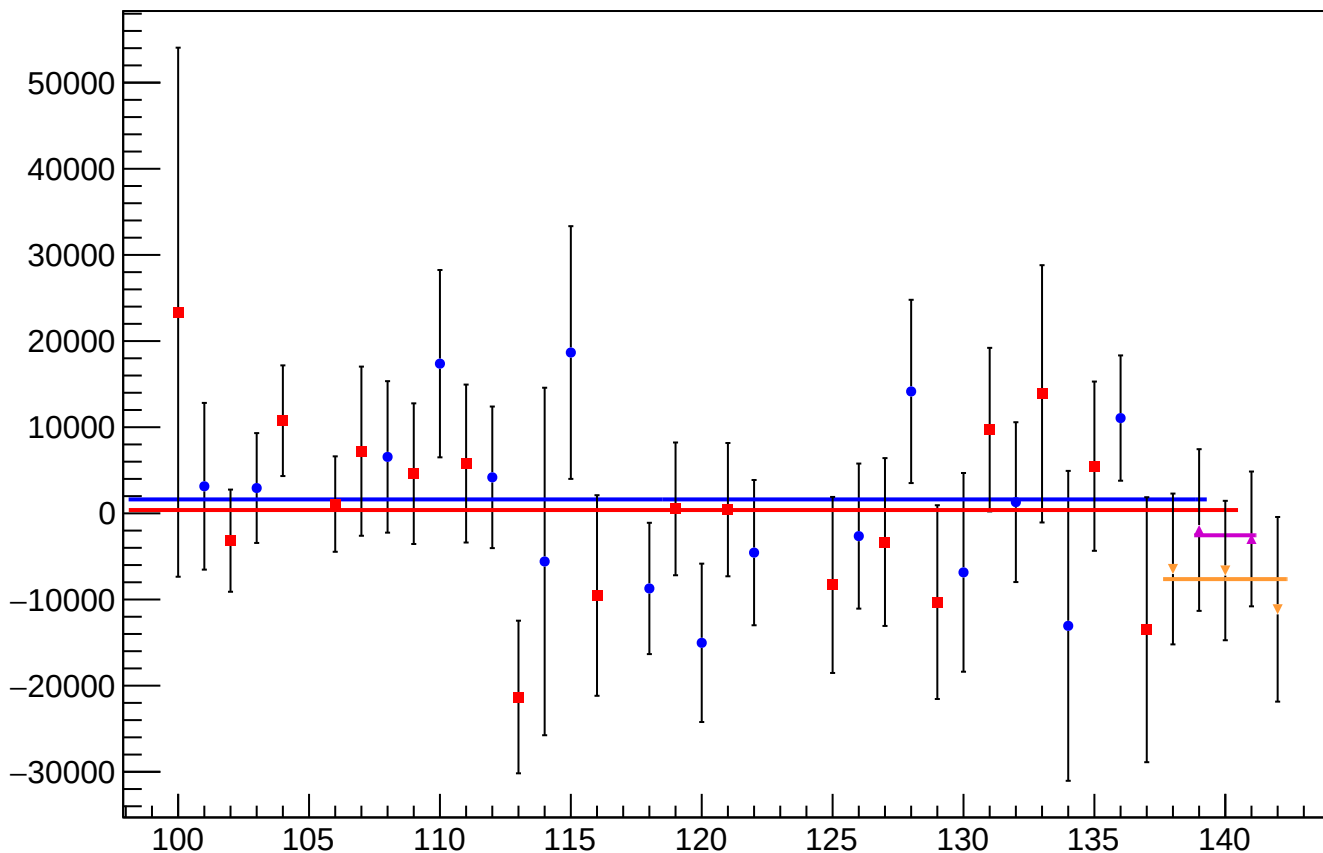
Left In: 1877.434+/-1.010 χ^2/NDF : 3378.1/1

+ sign 1588.958+/-0.376 χ^2/NDF : 650914.3/18

All: 1572.323+/-0.266 χ^2/NDF : 1114675.2/38

- sign 1555.555+/-0.377 χ^2/NDF : 459823.4/19

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: -7631.802 $\pm$ 5196.852 χ^2 /NDF:0.1/2

Right Out: 385.948 $\pm$ 2060.863 χ^2 /NDF: 16.0/17

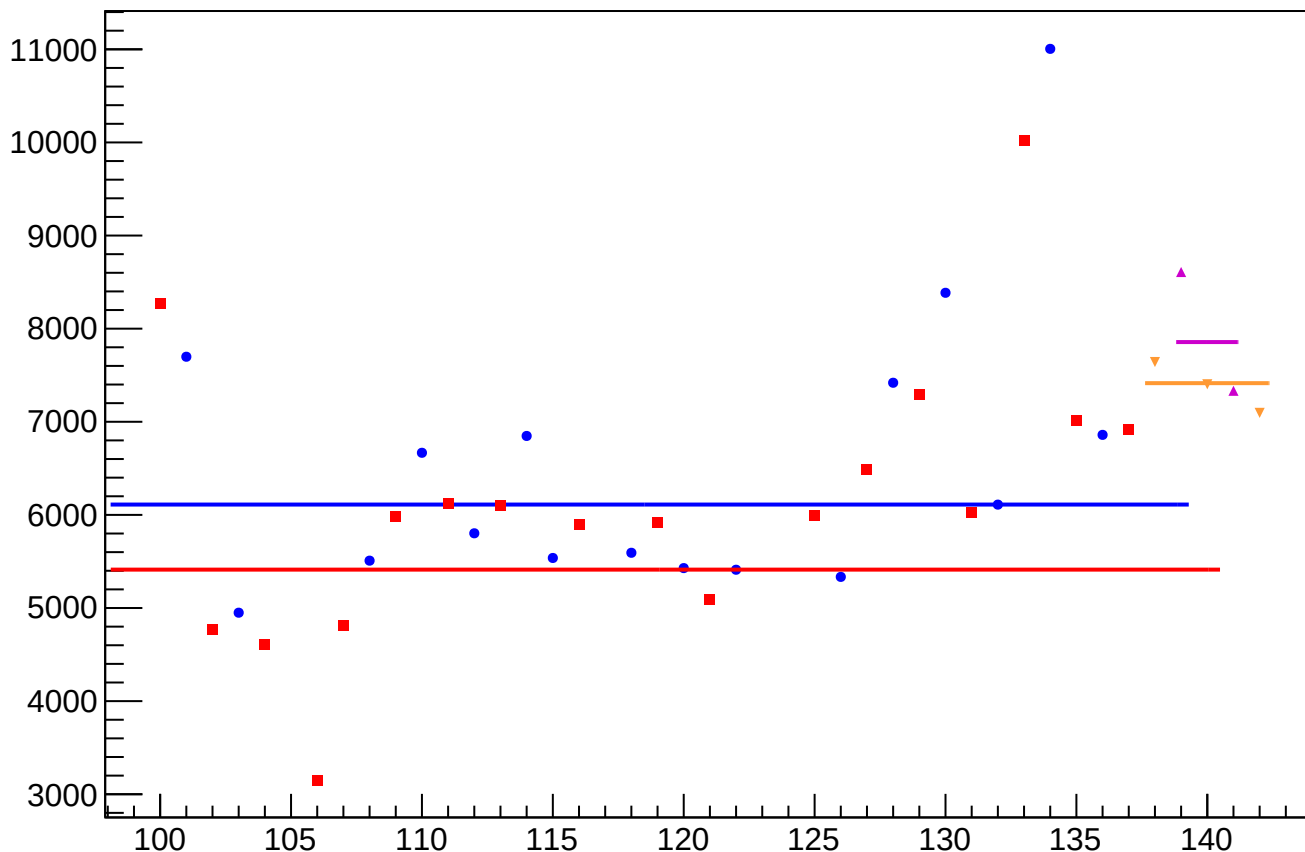
Left In: -2544.108 $\pm$ 6010.075 χ^2 /NDF:0.0/1

+ sign 82.570 $\pm$ 2118.504 χ^2 /NDF: 17.0/18

All: 79.920 $\pm$ 1434.512 χ^2 /NDF: 33.3/38

- sign 77.675 $\pm$ 1949.439 χ^2 /NDF: 16.2/19

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: 7414.828+/-3.675 χ^2/NDF : 3121.1/2

Right Out: 5412.265+/-1.457 χ^2/NDF : 821530.5/17

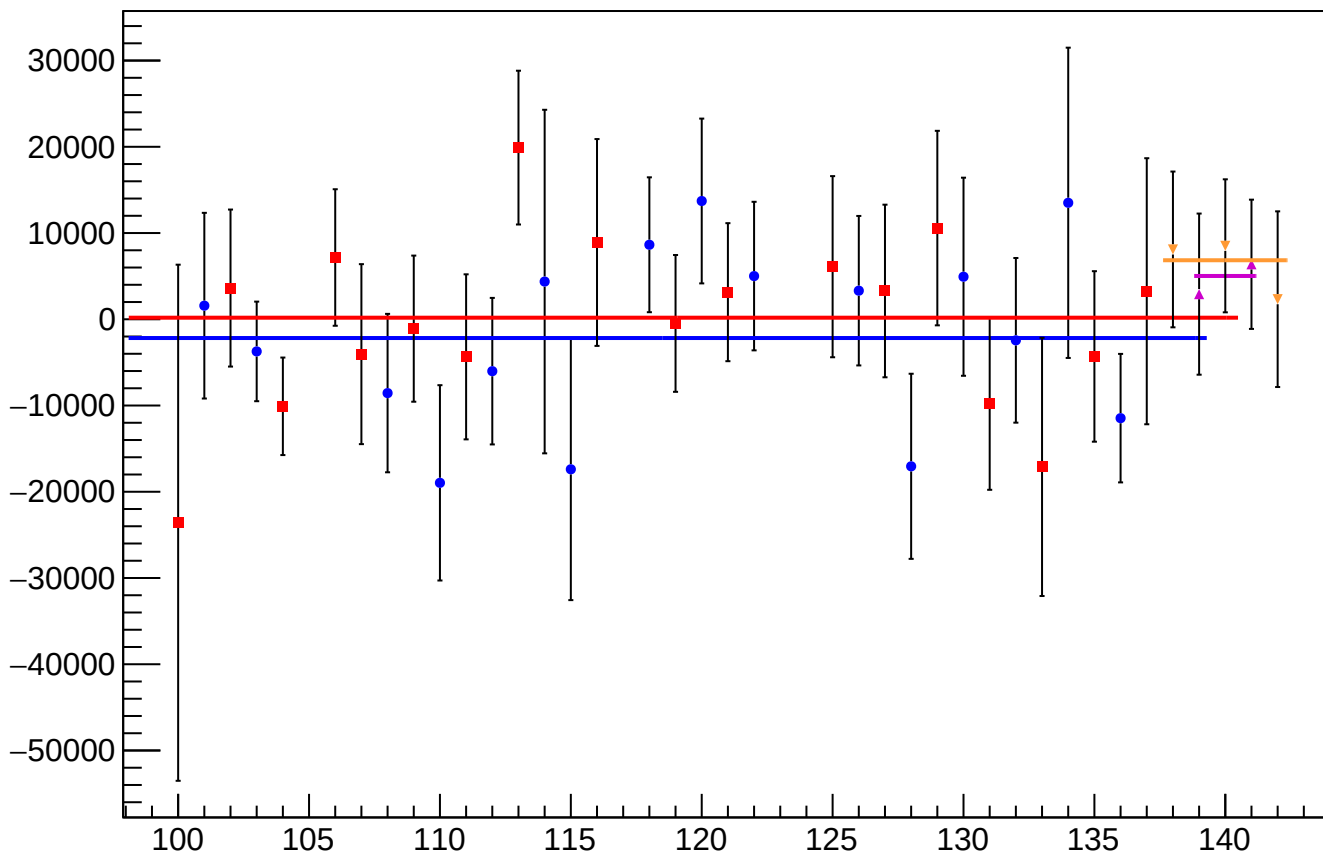
Left In: 7856.065+/-4.250 χ^2/NDF : 21793.0/1

+ sign 6327.689+/-1.498 χ^2/NDF : 579750.4/18

All: 5971.221+/-1.014 χ^2/NDF : 1823532.3/38

- sign 5669.378+/-1.378 χ^2/NDF : 1139208.2/19

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048 ± 2347.664 χ^2/NDF : 14.6/15

Left Out: 6844.295 ± 5082.448 χ^2/NDF : 0.3/2

Right Out: 183.559 ± 2228.883 χ^2/NDF : 14.7/17

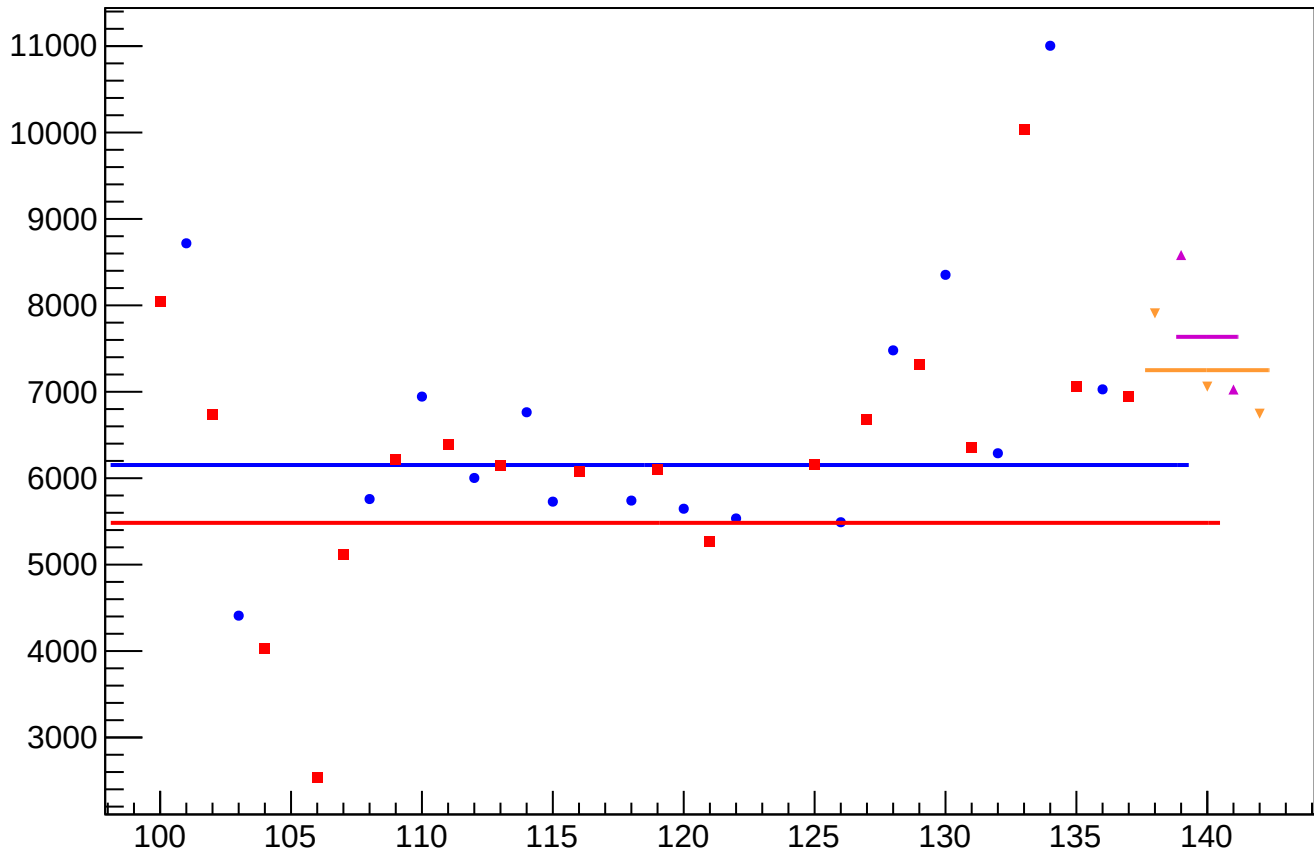
Left In: 5021.311 ± 5845.821 χ^2/NDF : 0.1/1

+ sign -588.203 ± 2131.277 χ^2/NDF : 17.4/18

All: 120.679 ± 1489.546 χ^2/NDF : 33.0/38

- sign 797.575 ± 2082.638 χ^2/NDF : 15.3/19

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF : 624026.7/15

Left Out: 7250.096+/-3.594 χ^2/NDF : 16702.0/2

Right Out: 5483.337+/-1.519 χ^2/NDF : 1148712.9/17

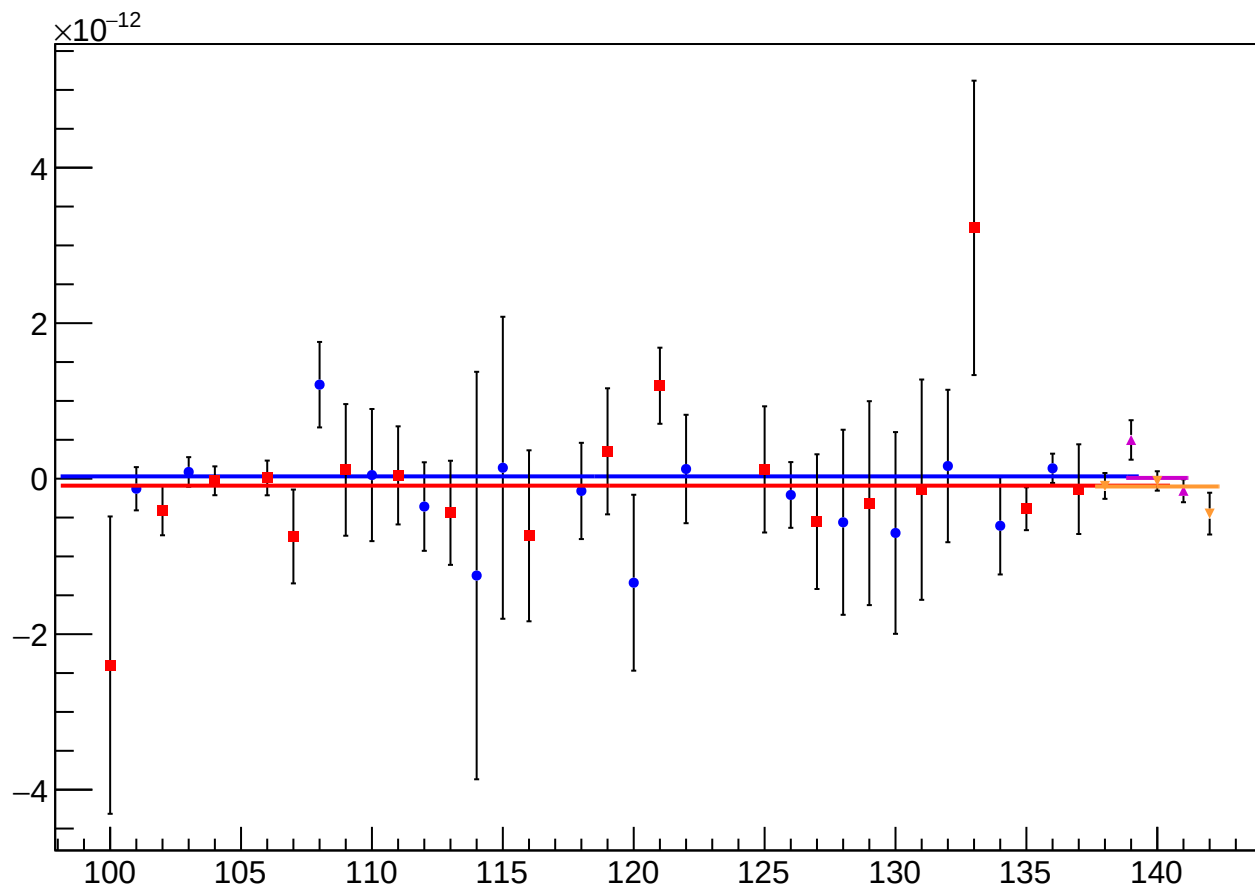
Left In: 7635.837+/-4.134 χ^2/NDF : 33764.3/1

+ sign 6345.663+/-1.507 χ^2/NDF : 717575.8/18

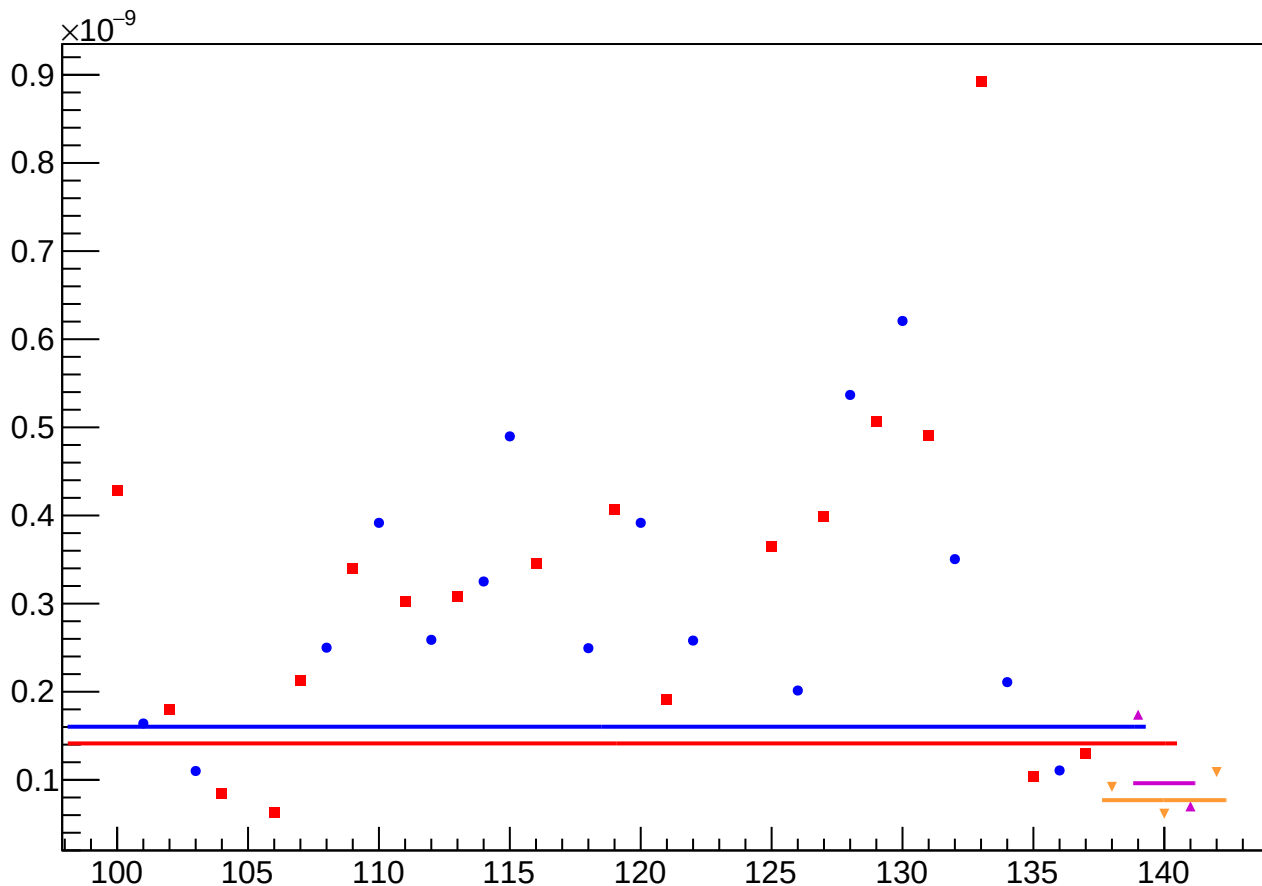
All: 6025.913+/-1.036 χ^2/NDF : 2224266.9/38

- sign 5739.561+/-1.426 χ^2/NDF : 1421359.3/19

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug



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 : 75087.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2165946.2/17

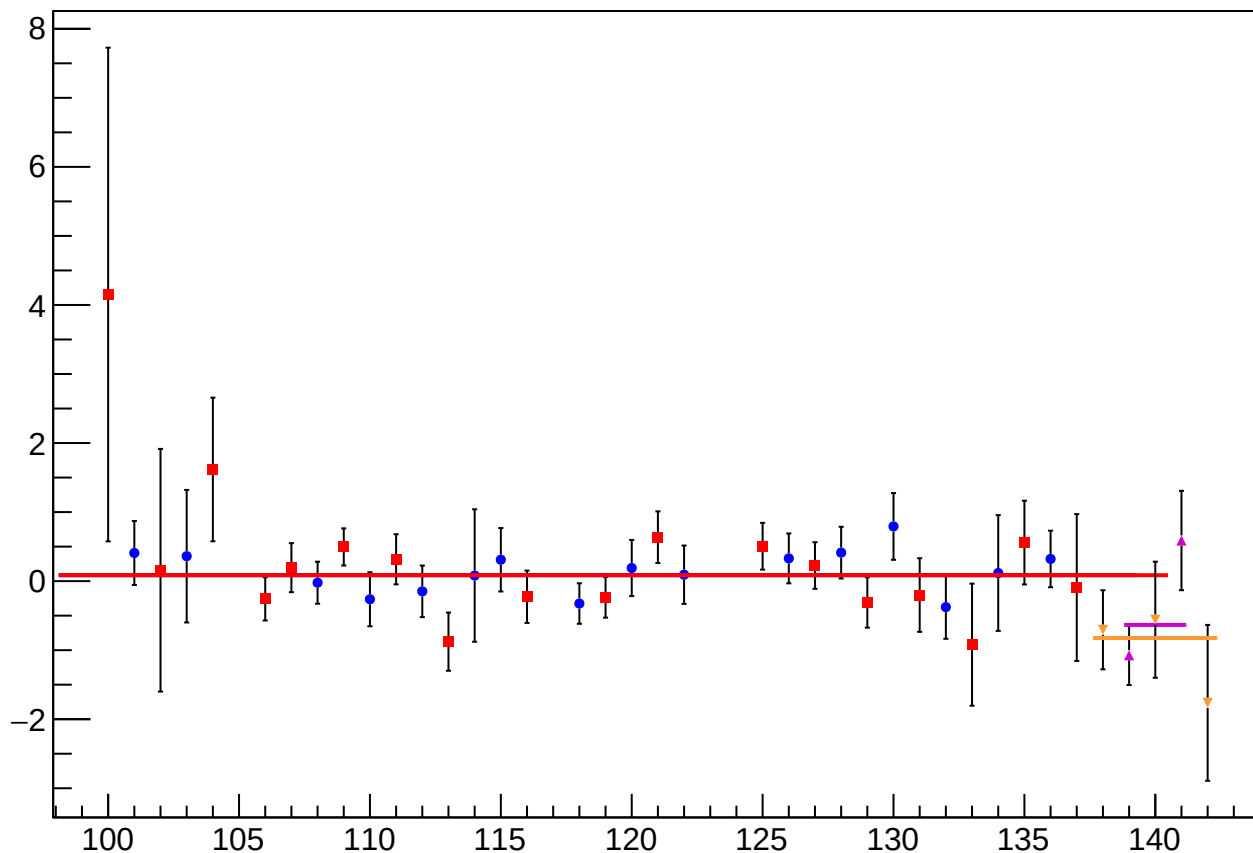
Left In: 0.000+/-0.000 χ^2/NDF : 250898.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2116561.3/18

All: 0.000+/-0.000 χ^2/NDF : 4700723.9/38

- sign 0.000+/-0.000 χ^2/NDF : 2568808.7/19

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.087 ± 0.105 χ^2/NDF : 8.8/15

Left Out: -0.824 ± 0.436 χ^2/NDF : 0.8/2

Right Out: 0.086 ± 0.097 χ^2/NDF : 21.8/17

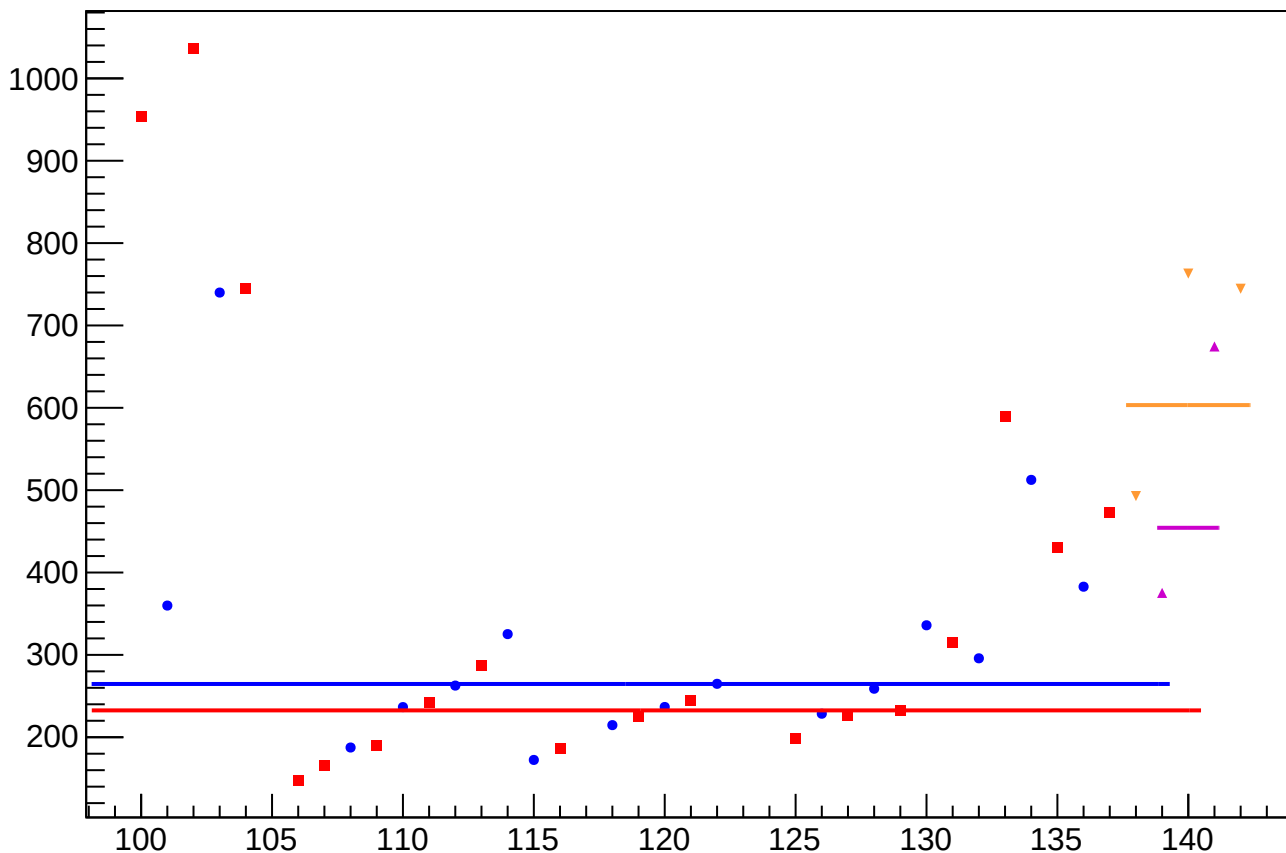
Left In: -0.634 ± 0.370 χ^2/NDF : 3.9/1

+ sign 0.037 ± 0.102 χ^2/NDF : 13.8/18

All: 0.038 ± 0.069 χ^2/NDF : 43.1/38

- sign 0.039 ± 0.094 χ^2/NDF : 29.3/19

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 264.667 $\pm$ 0.074 χ^2 /NDF: 1284007.6/15

Left Out: 603.317 $\pm$ 0.309 χ^2 /NDF:177937.4/2

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032662.7/17

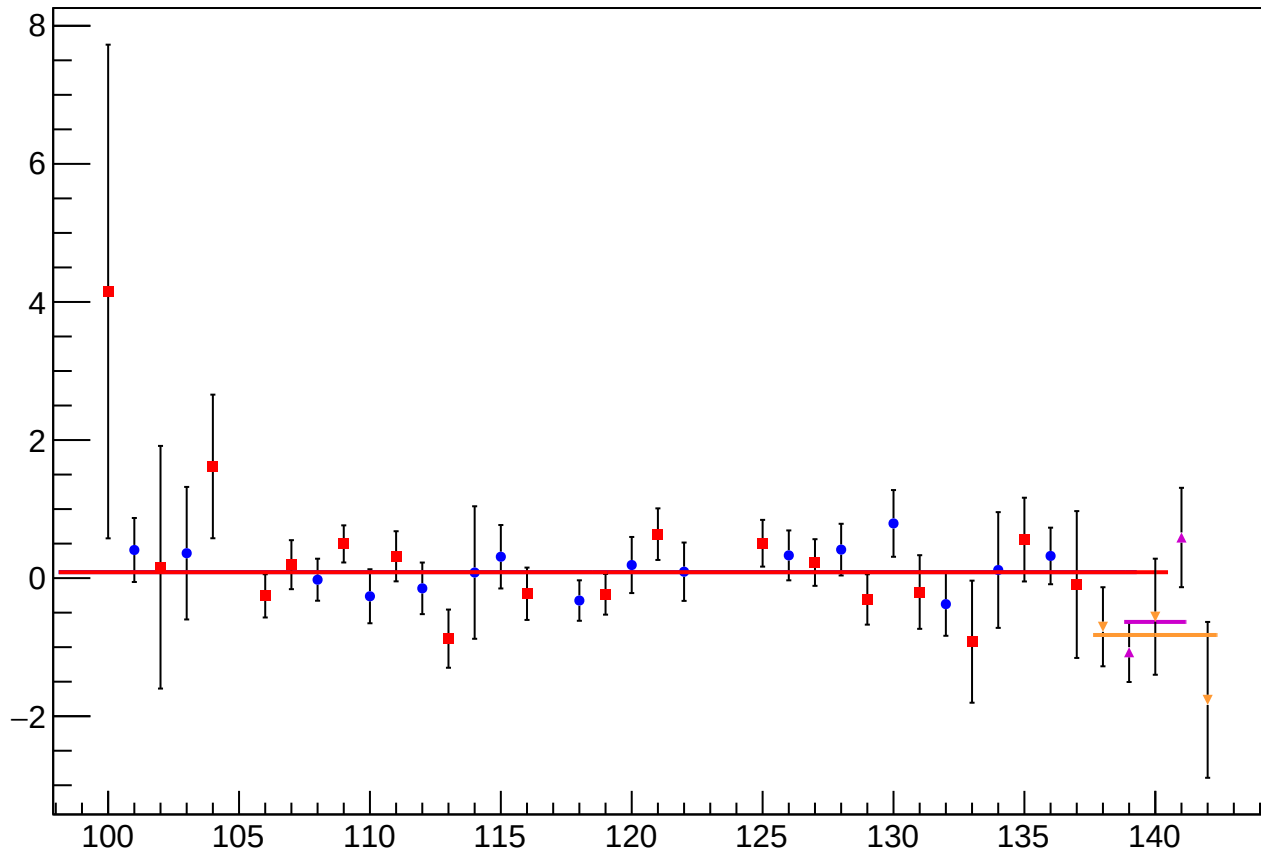
Left In: 454.317 $\pm$ 0.262 χ^2 /NDF:254373.8/1

+ sign 283.220 $\pm$ 0.072 χ^2 /NDF: 2599974.9/18

All: 263.606 $\pm$ 0.049 χ^2 /NDF: 5695287.5/38

- sign 246.952 $\pm$ 0.067 χ^2 /NDF: 2958993.9/19

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087 ± 0.105 χ^2/NDF : 8.8/15

Left Out: -0.824 ± 0.436 χ^2/NDF : 0.8/2

Right Out: 0.086 ± 0.097 χ^2/NDF : 21.8/17

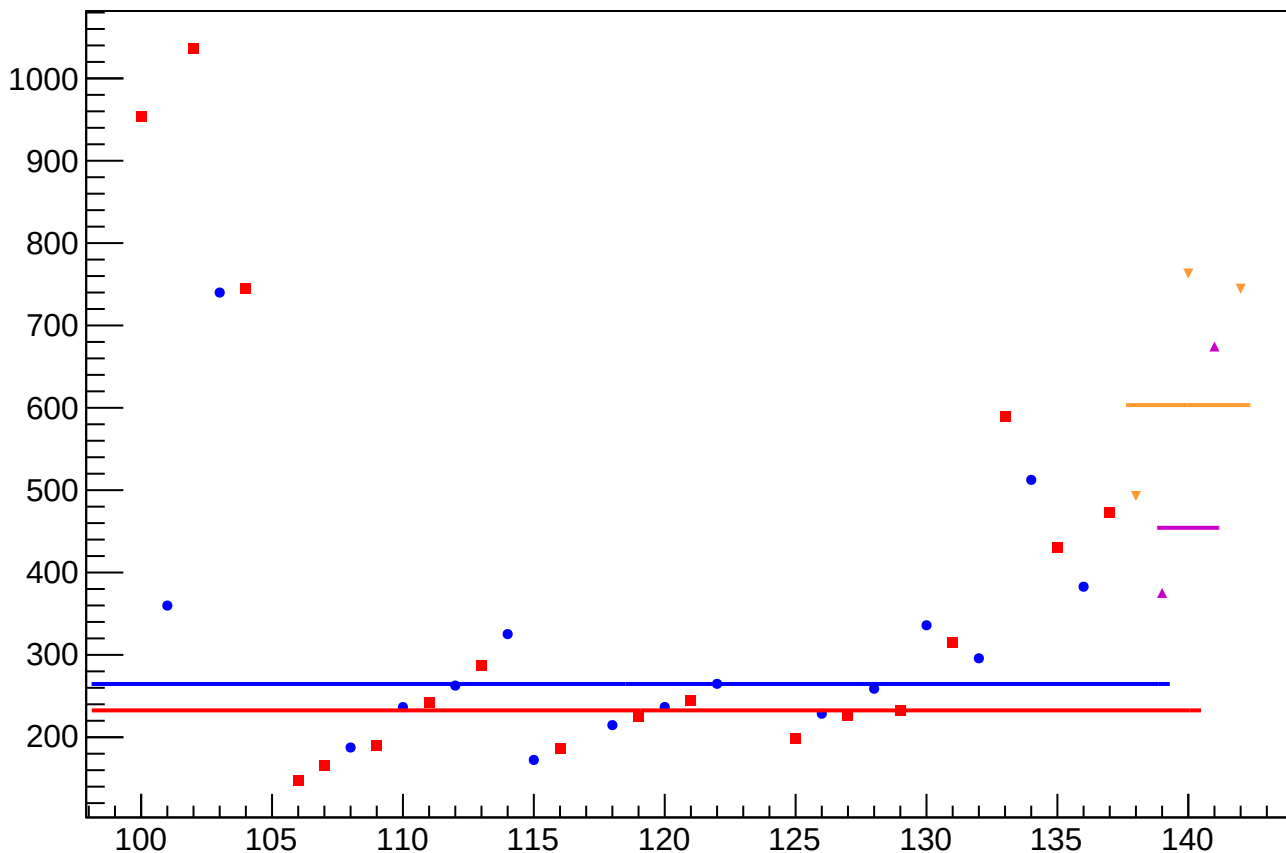
Left In: -0.634 ± 0.370 χ^2/NDF : 3.9/1

+ sign 0.037 ± 0.102 χ^2/NDF : 13.8/18

All: 0.038 ± 0.069 χ^2/NDF : 43.1/38

- sign 0.039 ± 0.094 χ^2/NDF : 29.3/19

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 264.667 $\pm$ 0.074 χ^2 /NDF: 1284007.6/15

Left Out: 603.317 $\pm$ 0.309 χ^2 /NDF:177937.4/2

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032662.7/17

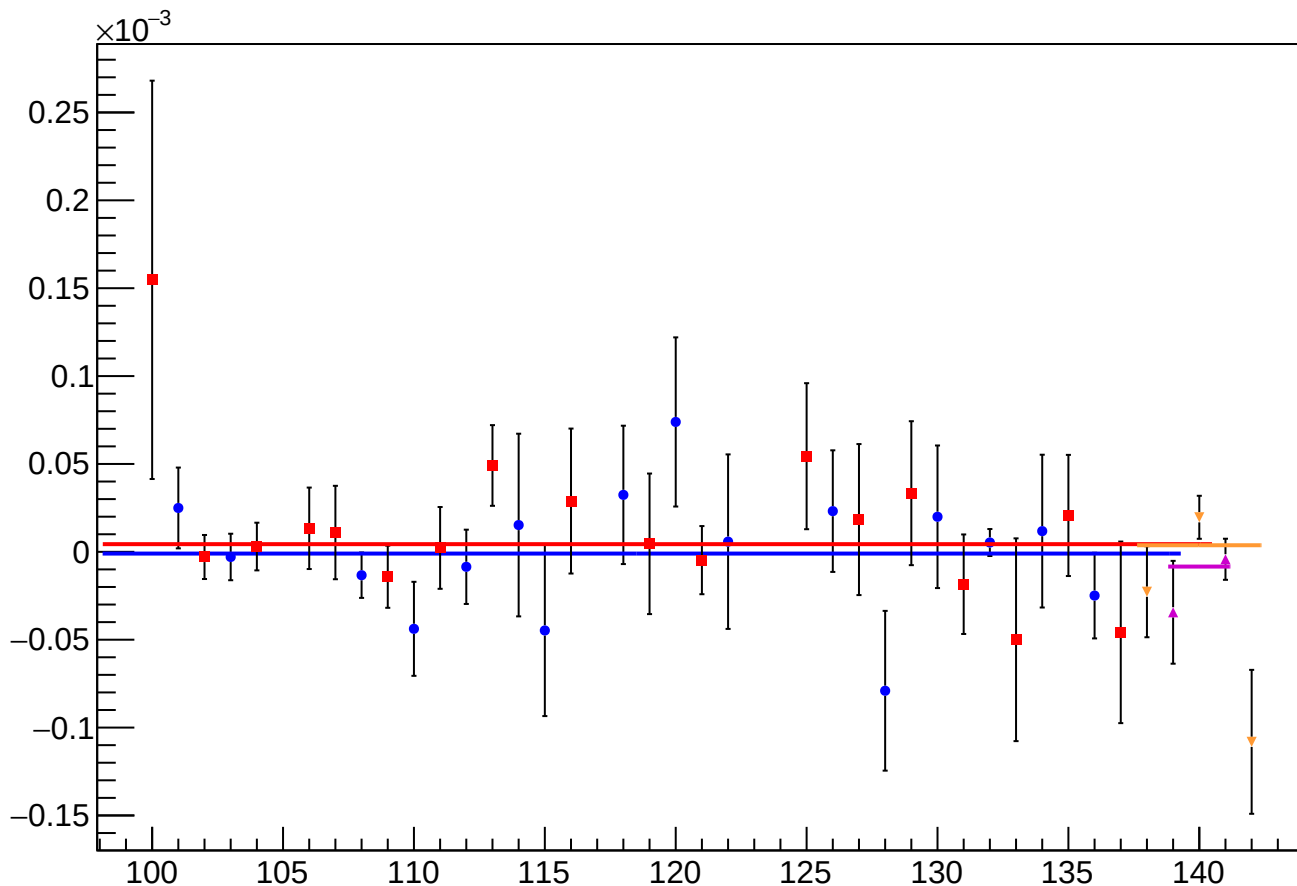
Left In: 454.317 $\pm$ 0.262 χ^2 /NDF:254373.8/1

+ sign 283.220 $\pm$ 0.072 χ^2 /NDF: 2599974.9/18

All: 263.606 $\pm$ 0.049 χ^2 /NDF: 5695287.5/38

- sign 246.952 $\pm$ 0.067 χ^2 /NDF: 2958993.9/19

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:10.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

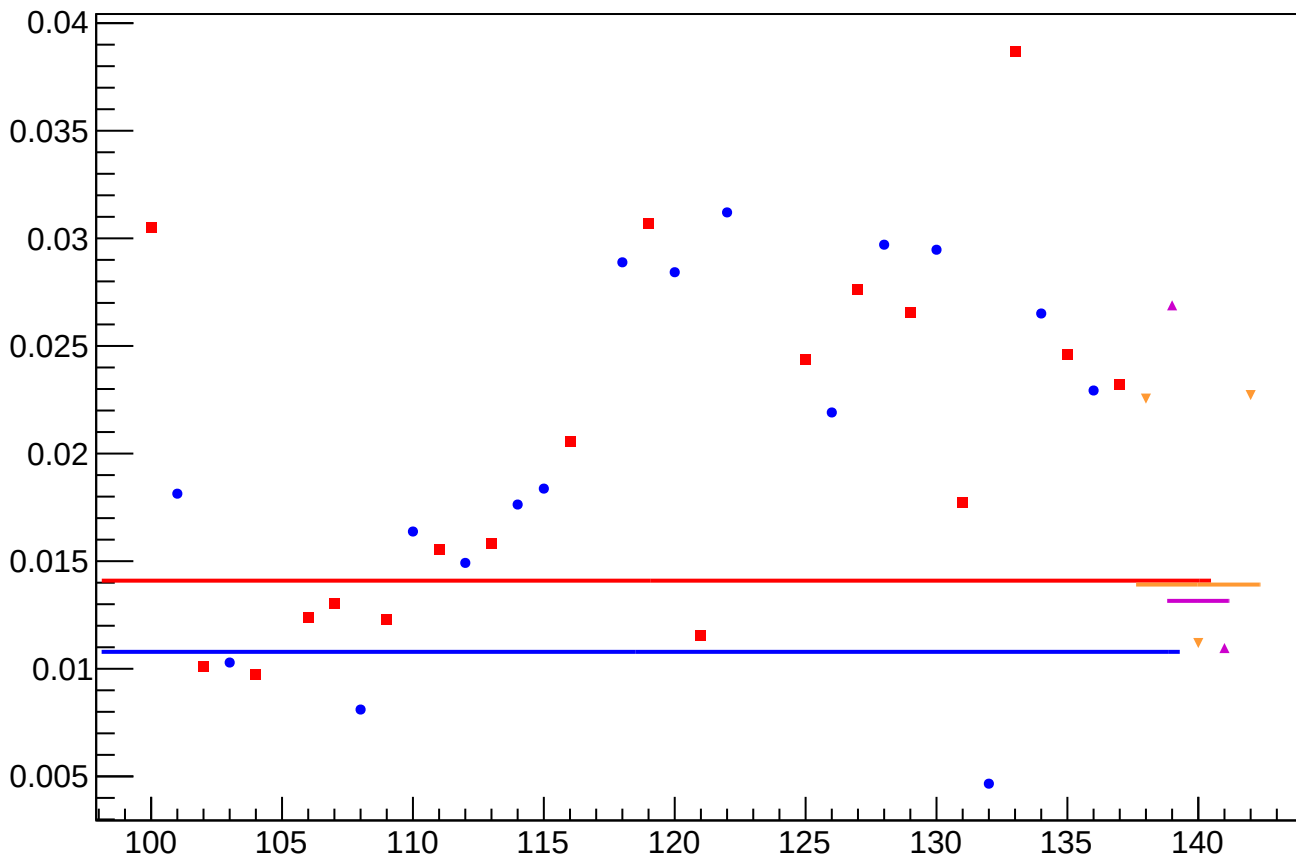
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.4/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.6/19

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 4580054.6/15

Left Out: 0.014+/-0.000 χ^2/NDF : 413617.0/2

Right Out: 0.014+/-0.000 χ^2/NDF : 2084942.5/17

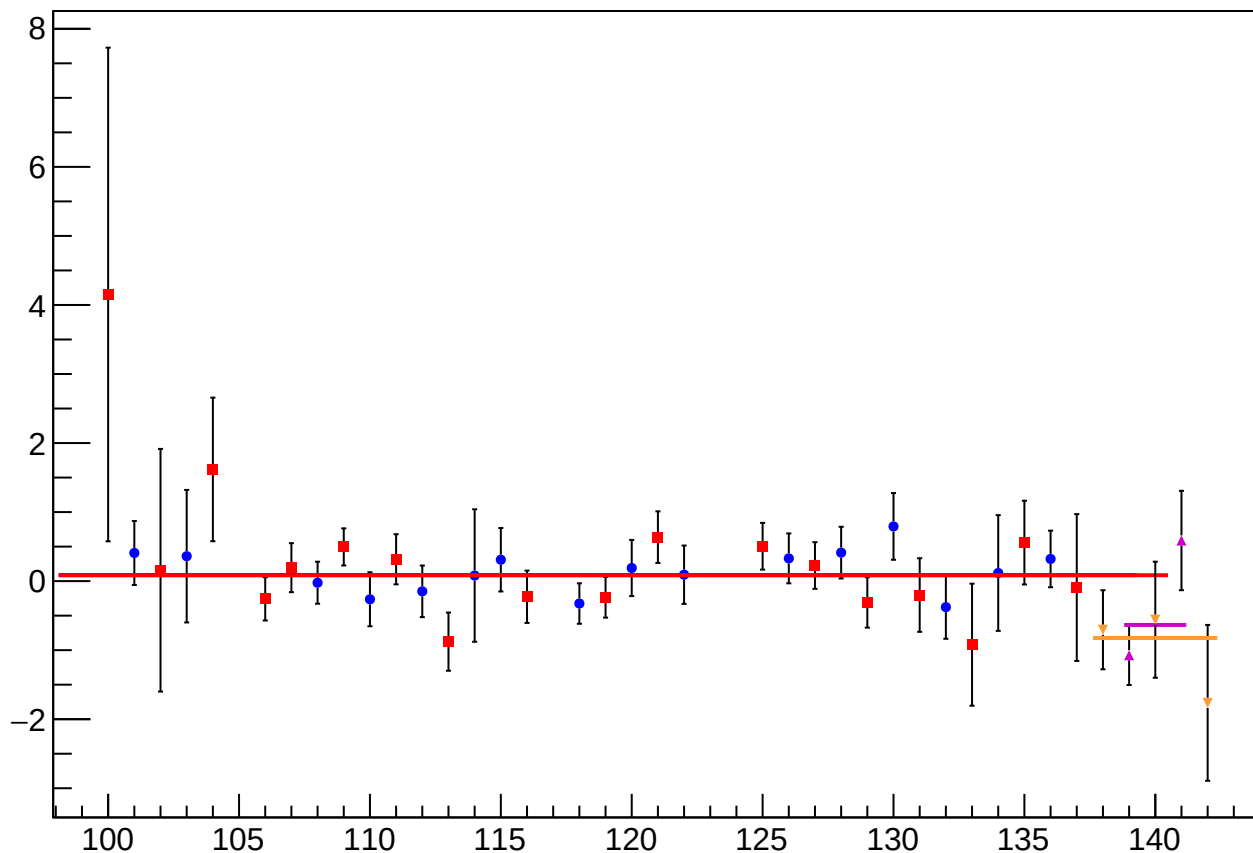
Left In: 0.013+/-0.000 χ^2/NDF : 511023.5/1

+ sign 0.011+/-0.000 χ^2/NDF : 5134584.7/18

All: 0.012+/-0.000 χ^2/NDF : 8025104.0/38

- sign 0.014+/-0.000 χ^2/NDF : 2607671.1/19

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.087 $\pm$ 0.105 χ^2 /NDF: 8.8/15

Left Out: -0.824 $\pm$ 0.436 χ^2 /NDF: 0.8/2

Right Out: 0.086 $\pm$ 0.097 χ^2 /NDF: 21.8/17

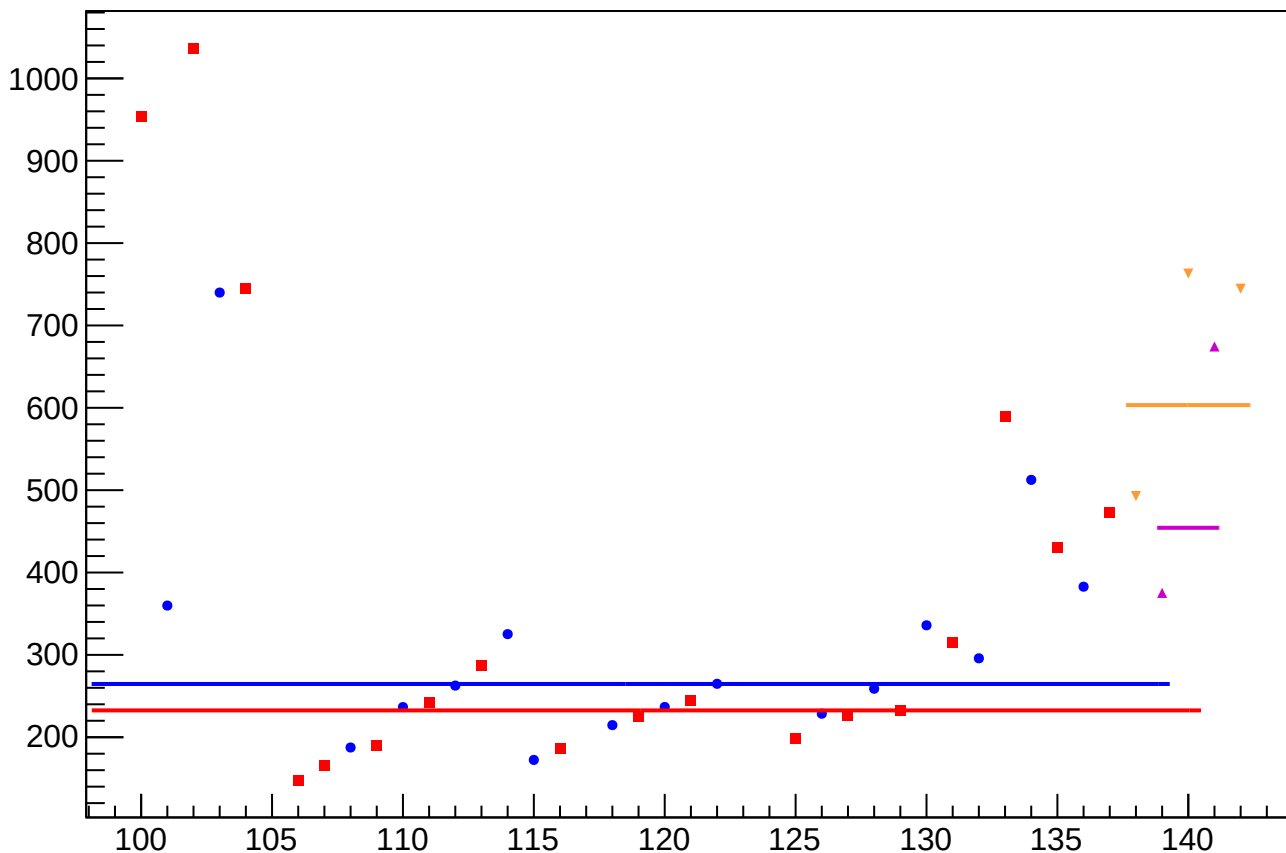
Left In: -0.634 $\pm$ 0.370 χ^2 /NDF: 3.9/1

+ sign 0.037 $\pm$ 0.102 χ^2 /NDF: 13.8/18

All: 0.038 $\pm$ 0.069 χ^2 /NDF: 43.1/38

- sign 0.039 $\pm$ 0.094 χ^2 /NDF: 29.3/19

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: 603.323 $\pm$ 0.309 χ^2 /NDF:177933.5/2

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032655.0/17

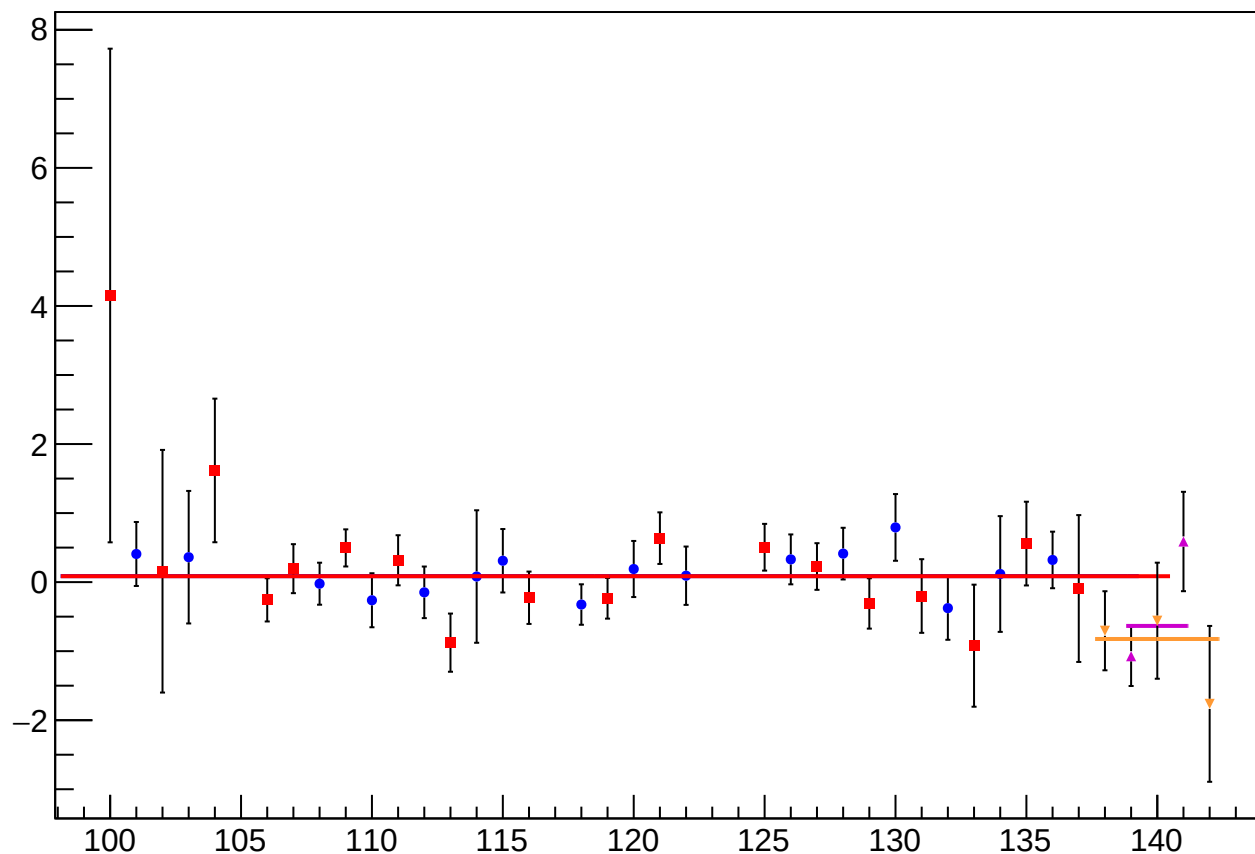
Left In: 454.326 $\pm$ 0.262 χ^2 /NDF:254359.0/1

+ sign 283.219 $\pm$ 0.072 χ^2 /NDF: 2599965.9/18

All: 263.606 $\pm$ 0.049 χ^2 /NDF: 5695277.1/38

- sign 246.953 $\pm$ 0.067 χ^2 /NDF: 2959000.2/19

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087 $\pm$ 0.105 χ^2 /NDF: 8.8/15

Left Out: -0.824 $\pm$ 0.436 χ^2 /NDF: 0.8/2

Right Out: 0.086 $\pm$ 0.097 χ^2 /NDF: 21.8/17

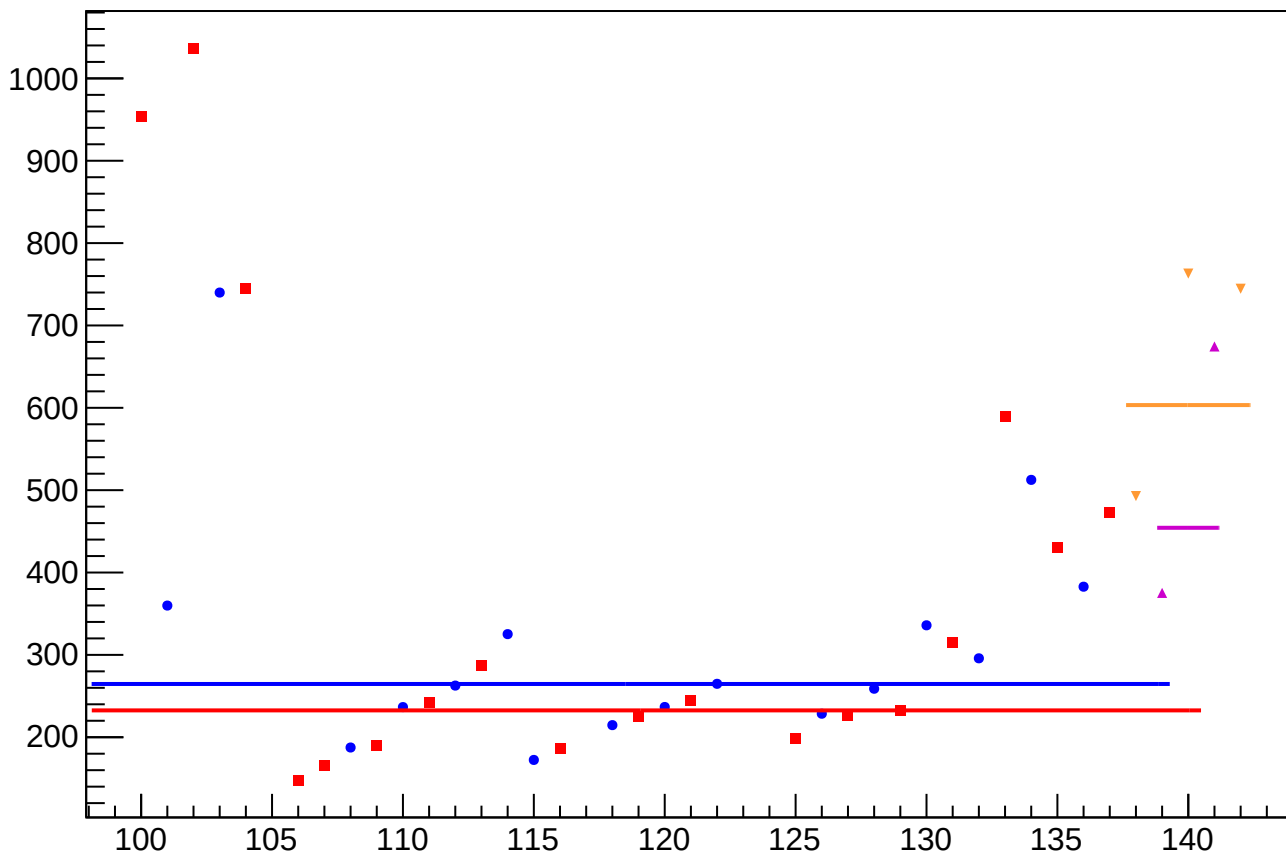
Left In: -0.634 $\pm$ 0.370 χ^2 /NDF: 3.9/1

+ sign 0.037 $\pm$ 0.102 χ^2 /NDF: 13.8/18

All: 0.038 $\pm$ 0.069 χ^2 /NDF: 43.1/38

- sign 0.039 $\pm$ 0.094 χ^2 /NDF: 29.3/19

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: 603.323 $\pm$ 0.309 χ^2 /NDF:177933.5/2

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032655.0/17

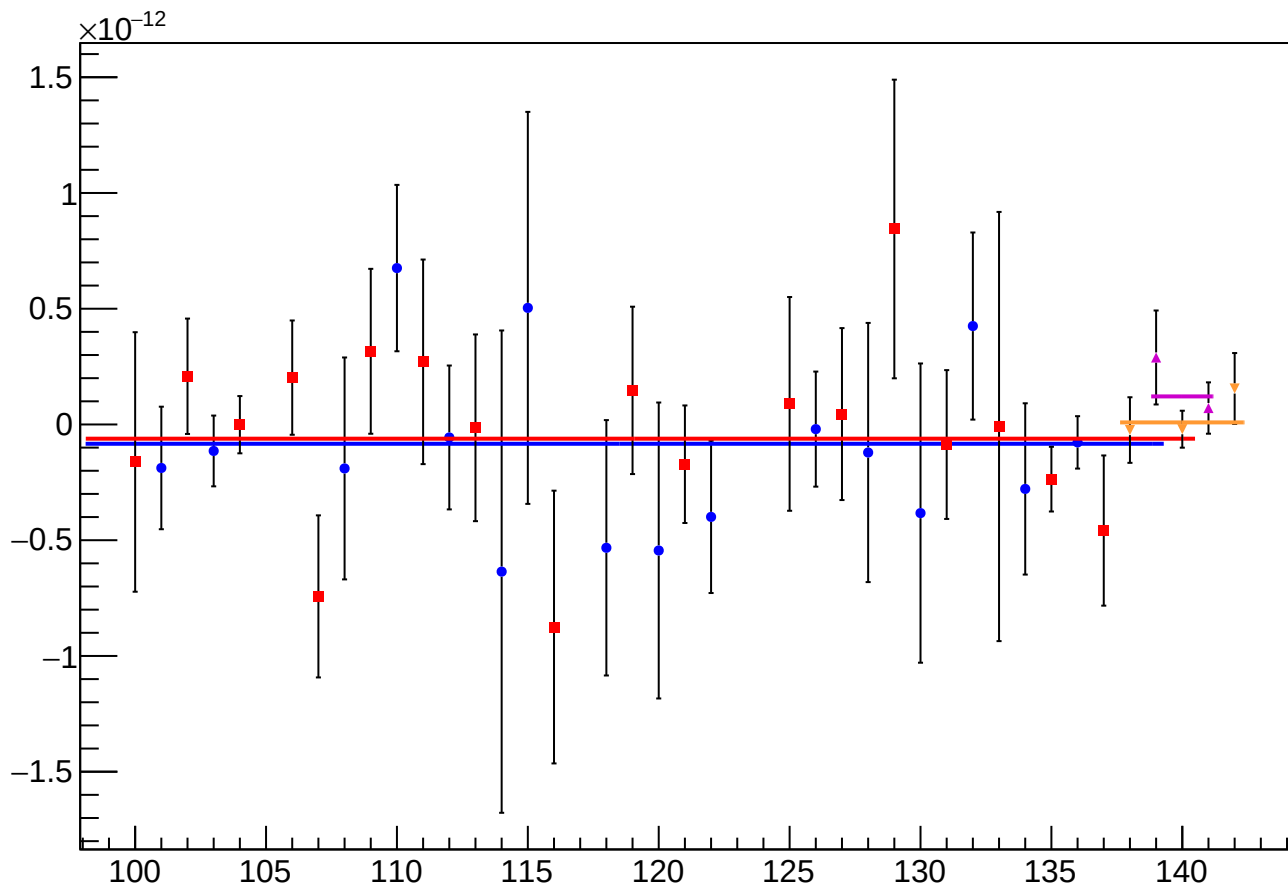
Left In: 454.326 $\pm$ 0.262 χ^2 /NDF:254359.0/1

+ sign 283.219 $\pm$ 0.072 χ^2 /NDF: 2599965.9/18

All: 263.606 $\pm$ 0.049 χ^2 /NDF: 5695277.1/38

- sign 246.953 $\pm$ 0.067 χ^2 /NDF: 2959000.2/19

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1.1/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/17

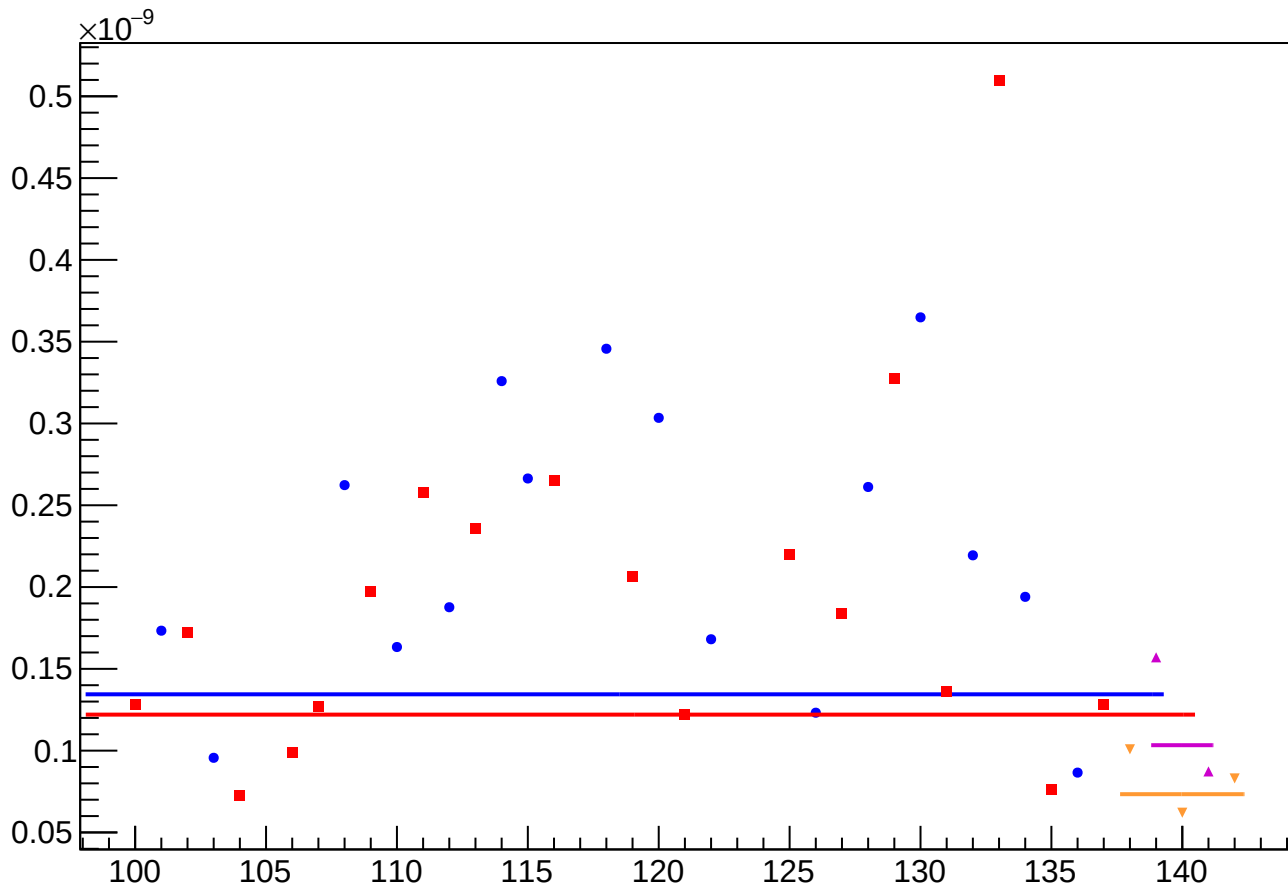
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 11.8/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.0/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/19

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1814968.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 123178.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2003381.5/17

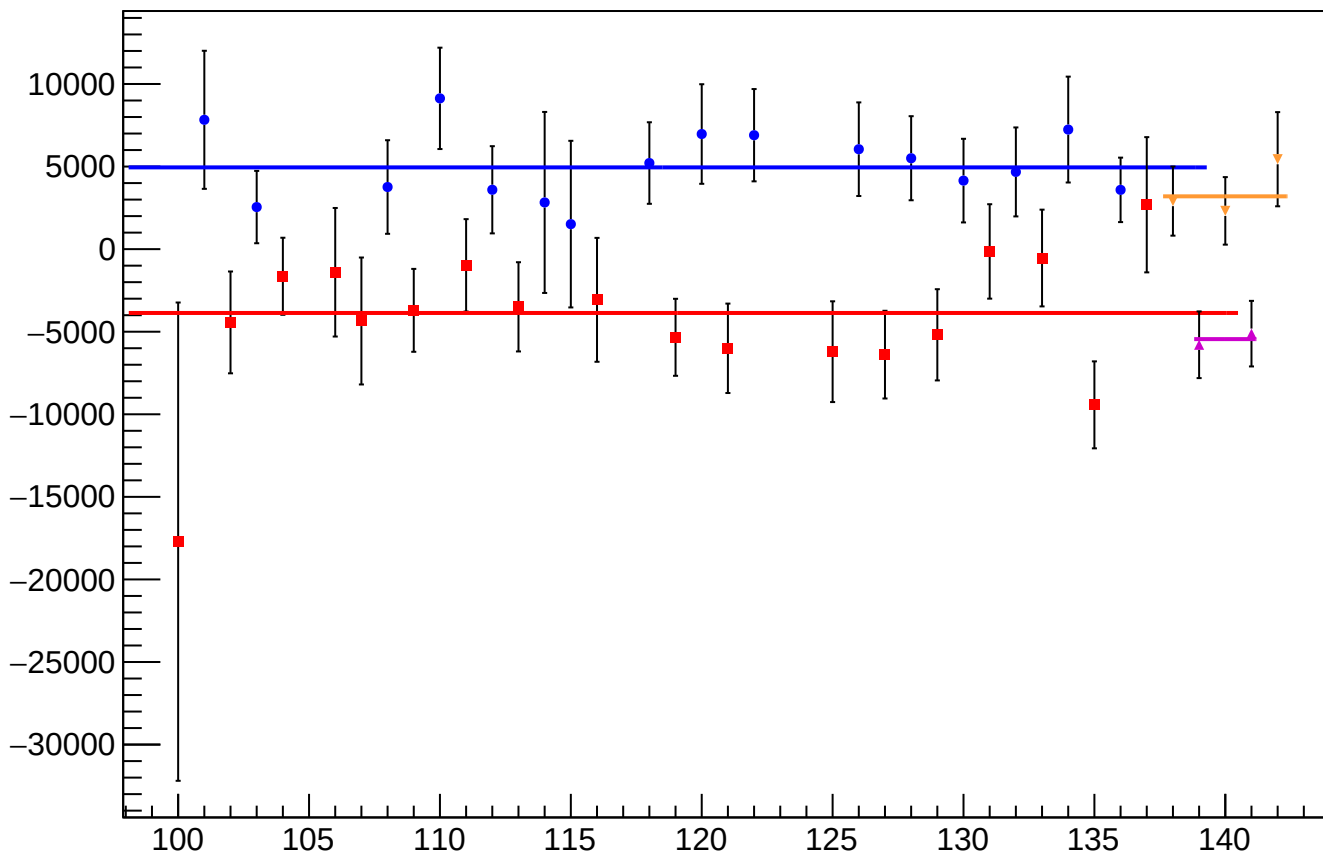
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 181926.0/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2788248.0/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 5113898.4/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2236542.7/19

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF : 6.8/15

Left Out: 3197.365+/-1301.168 χ^2/NDF : 0.8/2

Right Out: -3865.145+/-695.781 χ^2/NDF : 16.2/17

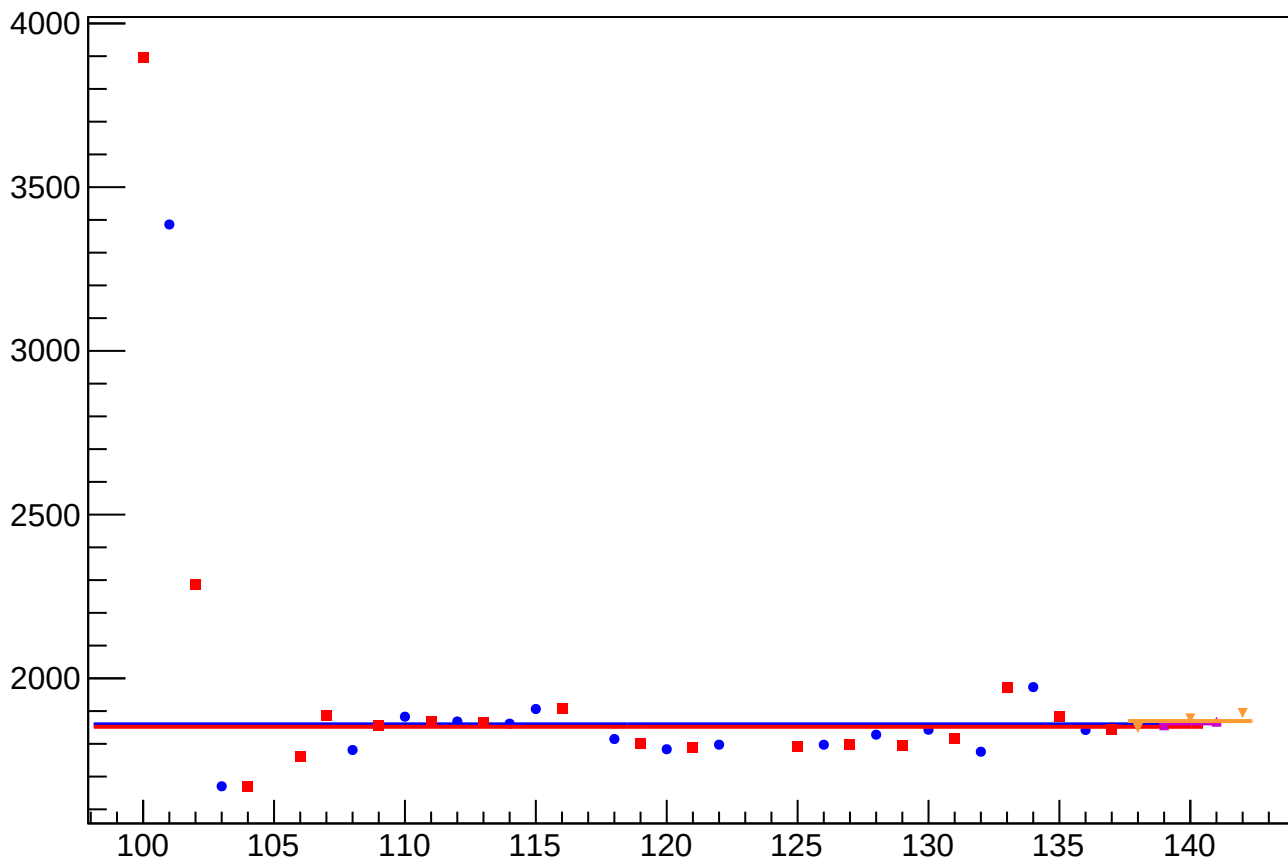
Left In: -5447.924+/-1415.728 χ^2/NDF : 0.1/1

+ sign 4557.783+/-615.728 χ^2/NDF : 9.1/18

All: 253.706+/-438.434 χ^2/NDF : 125.4/38

- sign -4173.070+/-624.442 χ^2/NDF : 17.2/19

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF : 292334.6/15

Left Out: 1869.632+/-0.920 χ^2/NDF : 388.7/2

Right Out: 1852.065+/-0.490 χ^2/NDF : 102212.5/17

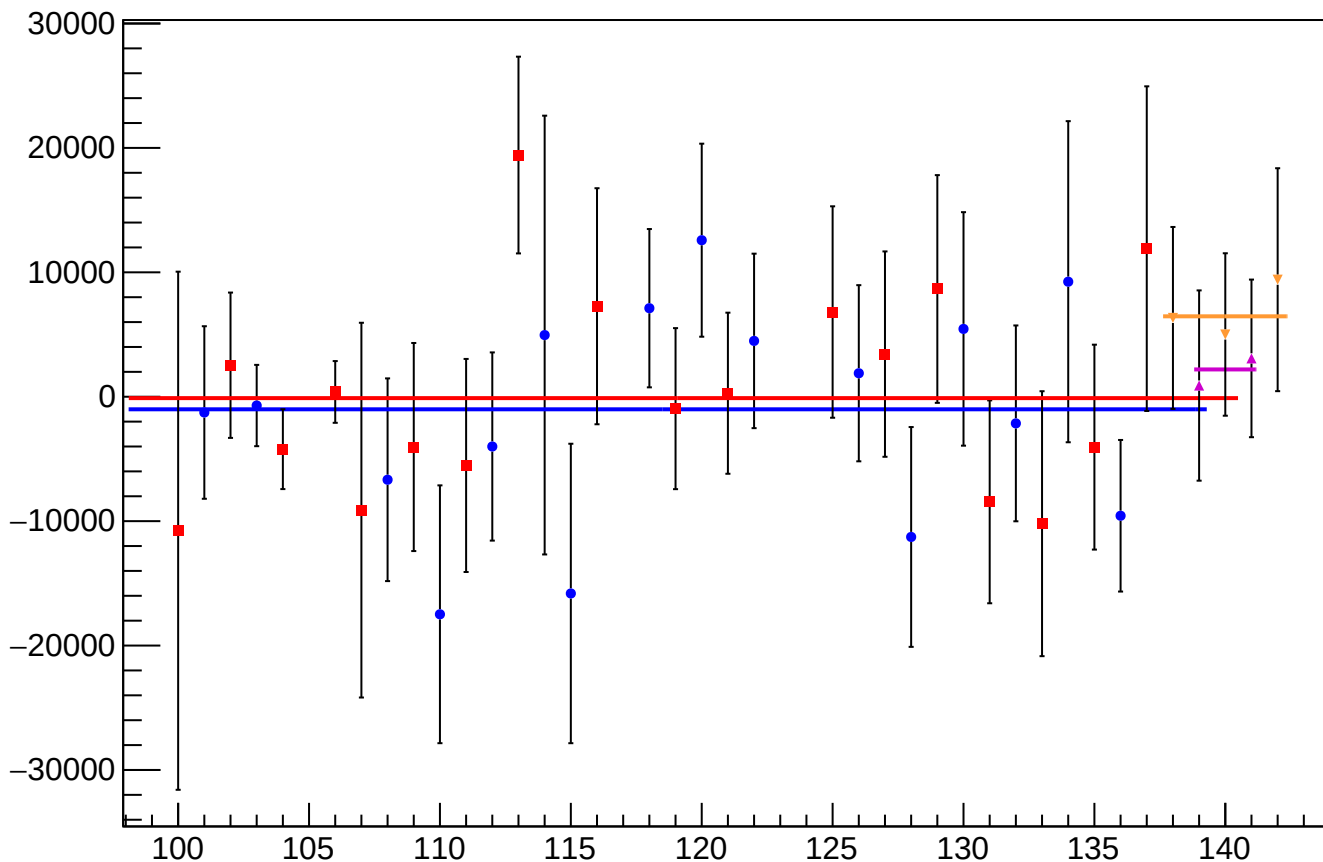
Left In: 1862.361+/-1.001 χ^2/NDF : 28.9/1

+ sign 1861.776+/-0.435 χ^2/NDF : 292817.2/18

All: 1857.962+/-0.310 χ^2/NDF : 395299.3/38

- sign 1854.058+/-0.440 χ^2/NDF : 102326.8/19

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: 6463.163+/-4278.679 χ^2/NDF : 0.2/2

Right Out: -111.261+/-1438.515 χ^2/NDF : 14.6/17

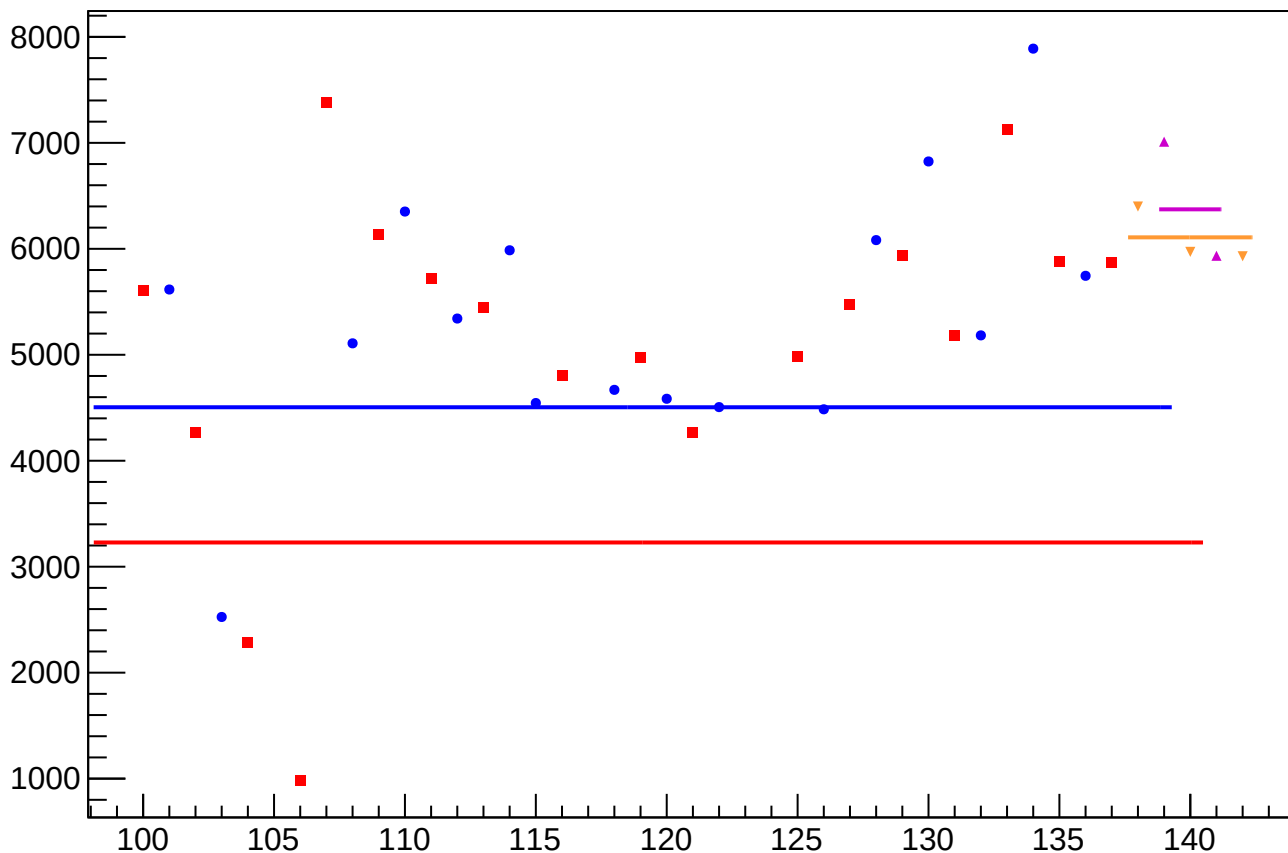
Left In: 2193.915+/-4878.343 χ^2/NDF : 0.0/1

+ sign 75.636+/-1630.980 χ^2/NDF : 17.5/18

All: 74.185+/-1053.393 χ^2/NDF : 32.4/38

- sign 73.146+/-1379.777 χ^2/NDF : 14.9/19

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: 6108.212+/-3.025 χ^2/NDF : 4839.0/2

Right Out: 3228.605+/-1.017 χ^2/NDF : 3956397.6/17

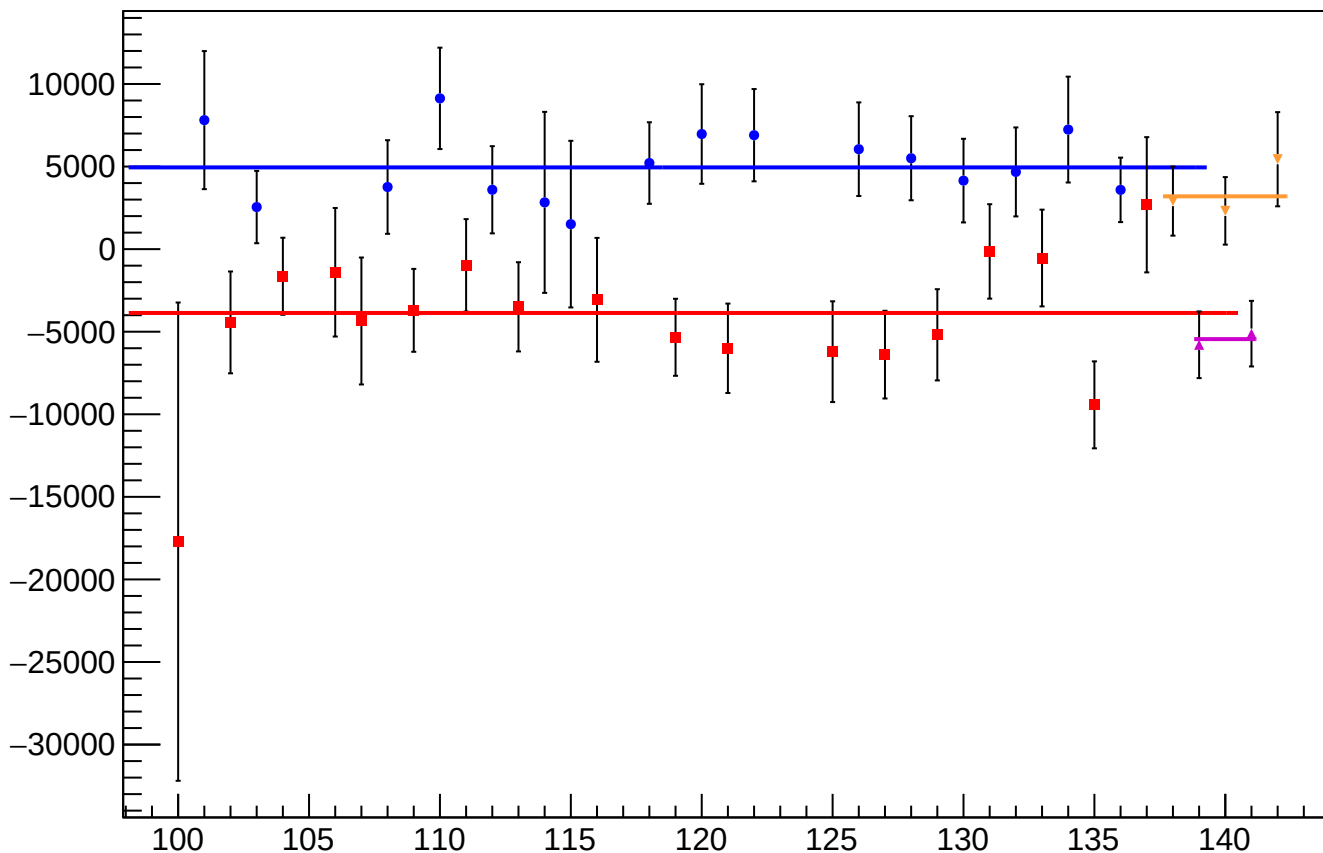
Left In: 6372.573+/-3.450 χ^2/NDF : 23510.4/1

+ sign 4737.772+/-1.153 χ^2/NDF : 1566003.4/18

All: 4004.735+/-0.745 χ^2/NDF : 7003293.9/38

- sign 3480.113+/-0.976 χ^2/NDF : 4744149.5/19

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: 3197.397 $\pm$ 1301.168 χ^2 /NDF:0.8/2

Right Out: -3864.930 $\pm$ 695.781 χ^2 /NDF: 16.2/17

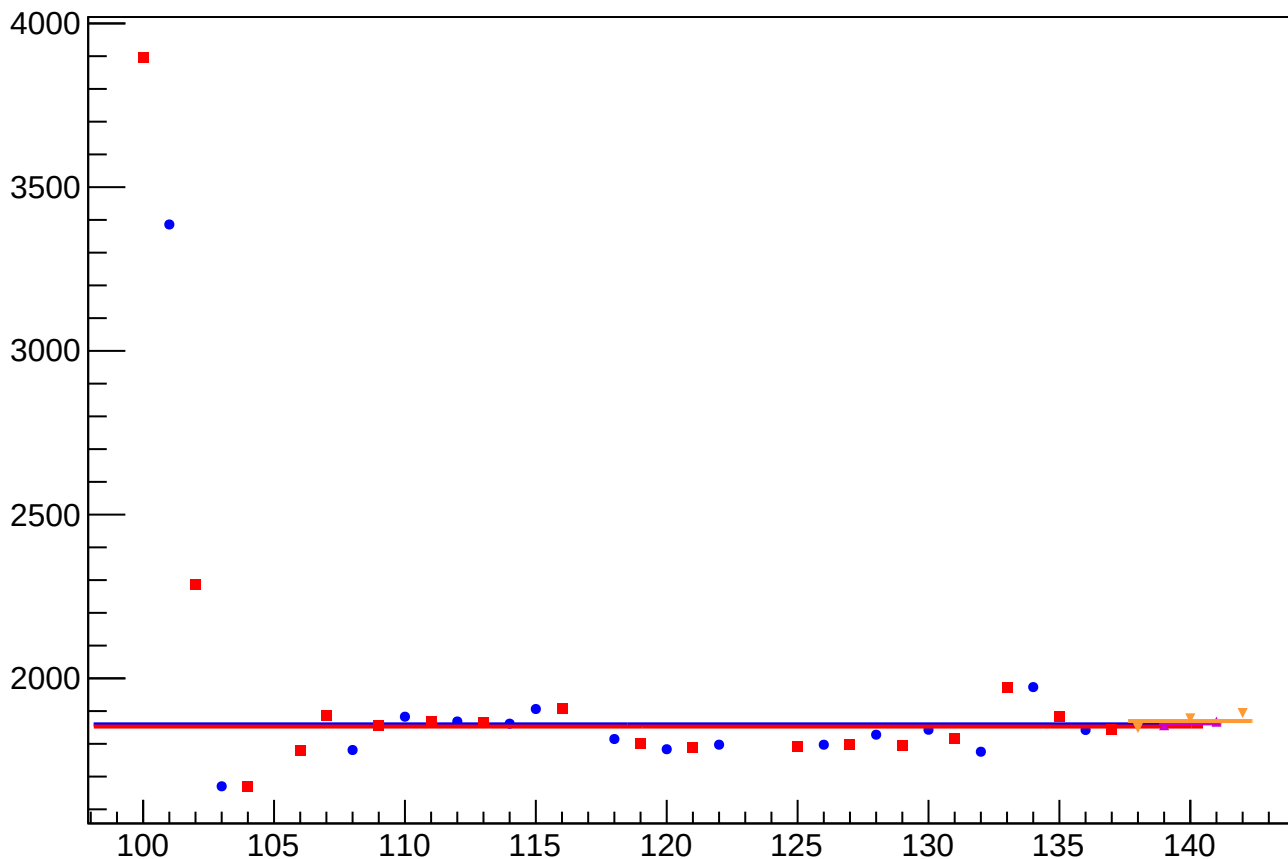
Left In: -5448.265 $\pm$ 1415.728 χ^2 /NDF:0.1/1

+ sign 4557.416 $\pm$ 615.728 χ^2 /NDF: 9.1/18

All: 253.572 $\pm$ 438.434 χ^2 /NDF: 125.4/38

- sign -4172.964 $\pm$ 624.442 χ^2 /NDF: 17.2/19

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: 1869.632 $\pm$ 0.920 χ^2 /NDF: 388.7/2

Right Out: 1852.770 $\pm$ 0.491 χ^2 /NDF: 101750.5/17

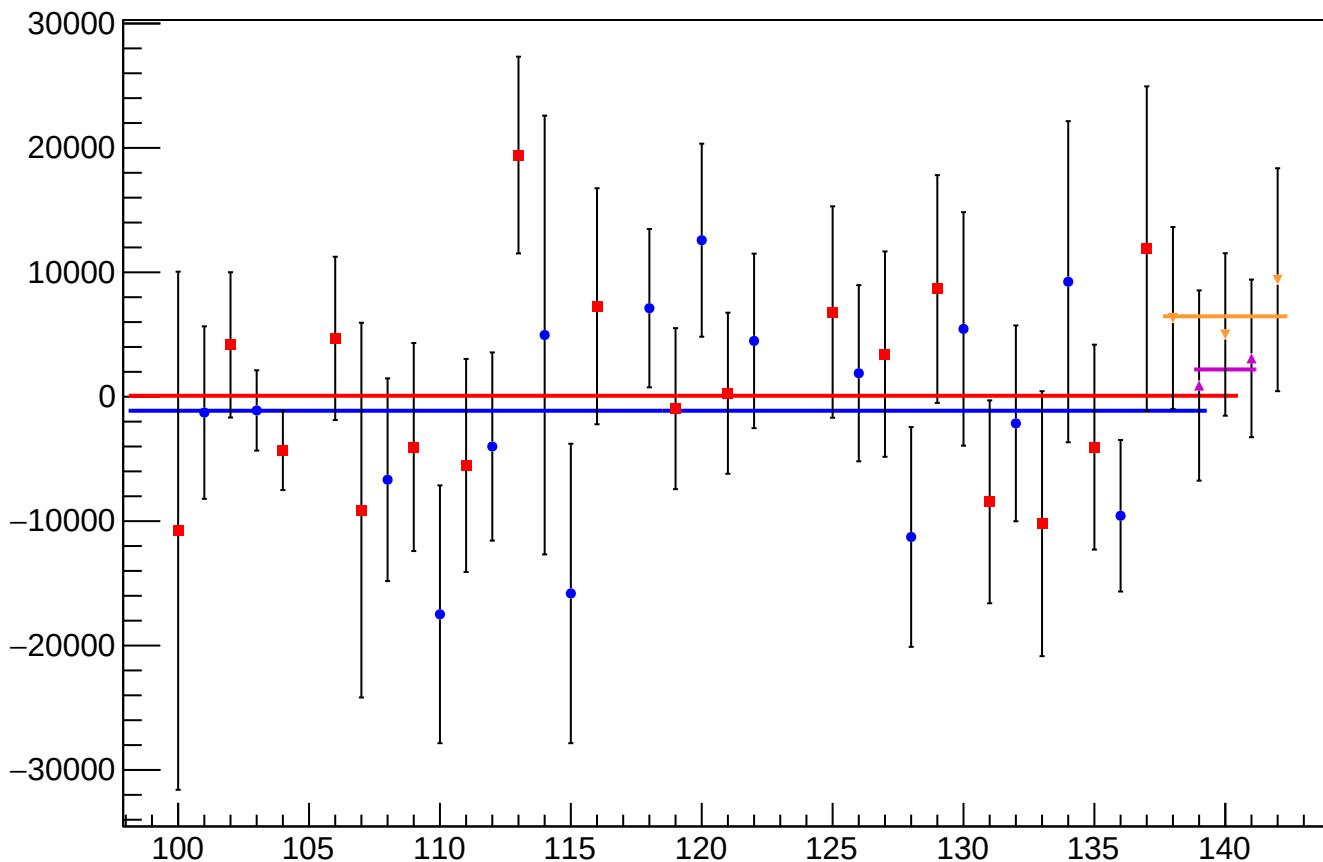
Left In: 1862.361 $\pm$ 1.001 χ^2 /NDF: 28.9/1

+ sign 1861.776 $\pm$ 0.435 χ^2 /NDF: 292819.1/18

All: 1858.244 $\pm$ 0.310 χ^2 /NDF: 394805.7/38

- sign 1854.628 $\pm$ 0.441 χ^2 /NDF: 101853.5/19

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug



Right In: -1125.567 $\pm$ 1757.876 χ^2 /NDF: 14.7/15

Left Out: 6463.196 $\pm$ 4278.671 χ^2 /NDF: 0.2/2

Right Out: 78.270 $\pm$ 1702.444 χ^2 /NDF: 15.5/17

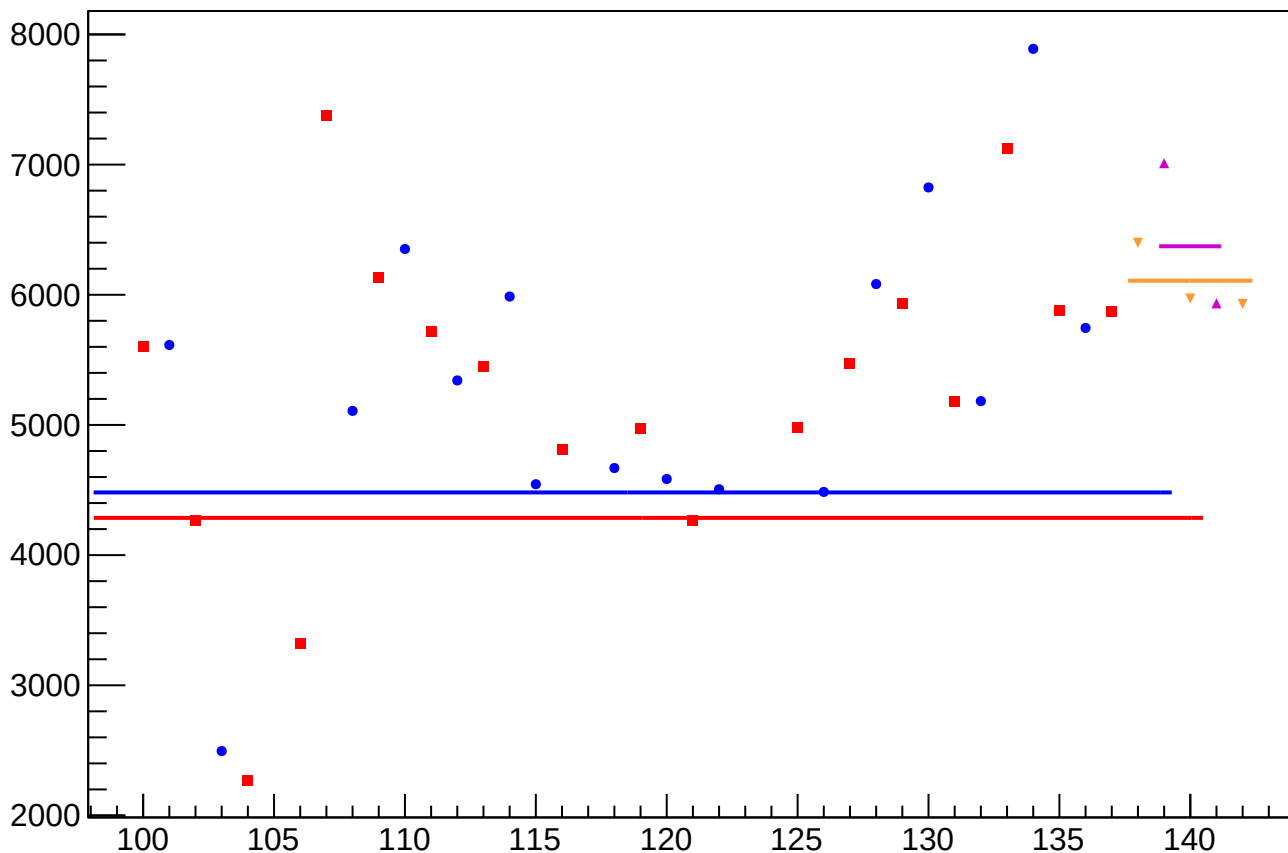
Left In: 2194.000 $\pm$ 4878.340 χ^2 /NDF: 0.0/1

+ sign -29.615 $\pm$ 1625.995 χ^2 /NDF: 17.6/18

All: 141.119 $\pm$ 1143.112 χ^2 /NDF: 33.4/38

- sign 307.965 $\pm$ 1607.376 χ^2 /NDF: 15.8/19

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: 6108.199+/-3.025 χ^2/NDF : 4839.5/2

Right Out: 4286.125+/-1.204 χ^2/NDF : 1549852.7/17

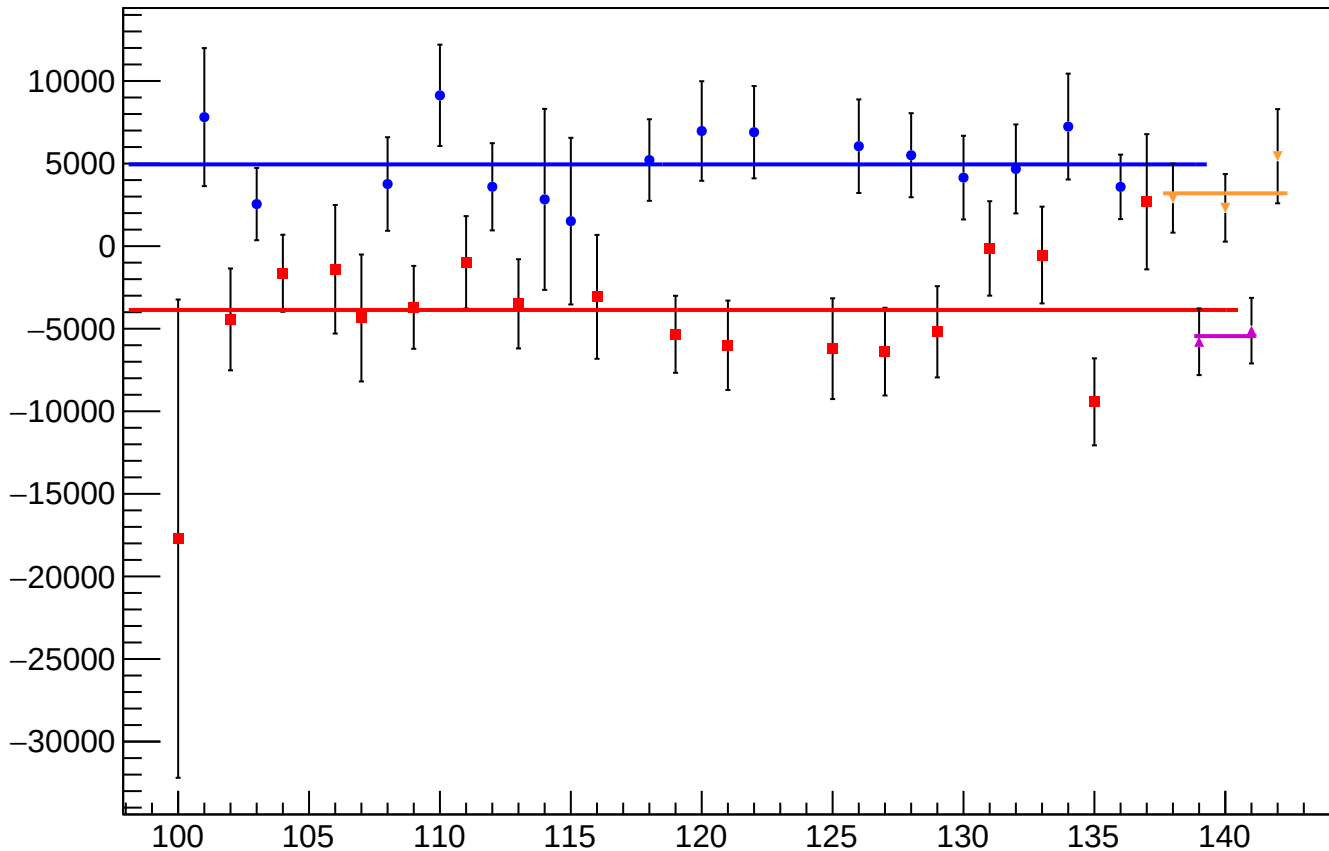
Left In: 6372.566+/-3.450 χ^2/NDF : 23511.4/1

+ sign 4716.440+/-1.150 χ^2/NDF : 1614425.6/18

All: 4613.366+/-0.808 χ^2/NDF : 3529808.0/38

- sign 4512.640+/-1.137 χ^2/NDF : 1899491.8/19

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: 3197.397 $\pm$ 1301.168 χ^2 /NDF:0.8/2

Right Out: -3864.930 $\pm$ 695.781 χ^2 /NDF: 16.2/17

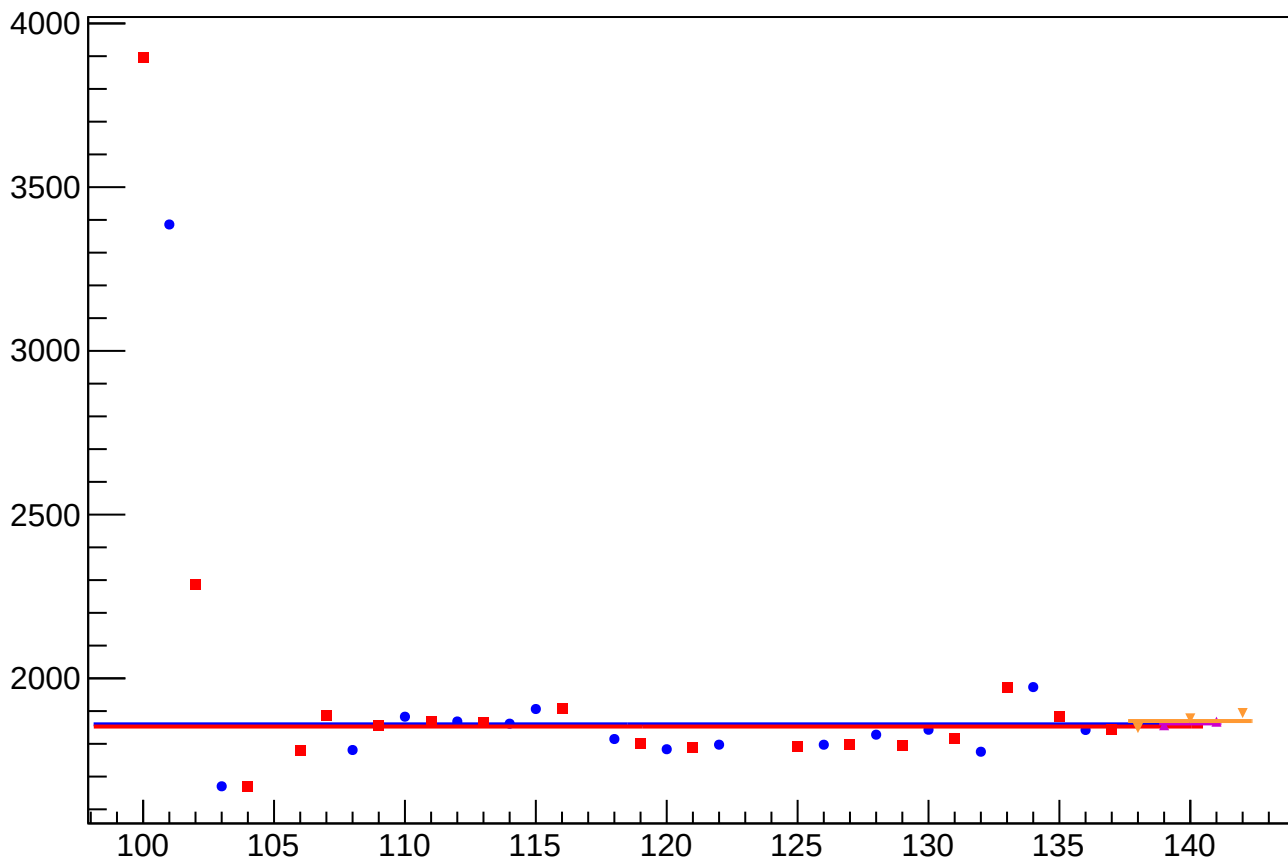
Left In: -5448.265 $\pm$ 1415.728 χ^2 /NDF:0.1/1

+ sign 4557.416 $\pm$ 615.728 χ^2 /NDF: 9.1/18

All: 253.572 $\pm$ 438.434 χ^2 /NDF: 125.4/38

- sign -4172.964 $\pm$ 624.442 χ^2 /NDF: 17.2/19

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509 ± 0.494 χ^2/NDF : 292336.5/15

Left Out: 1869.632 ± 0.920 χ^2/NDF : 388.7/2

Right Out: 1852.770 ± 0.491 χ^2/NDF : 101750.5/17

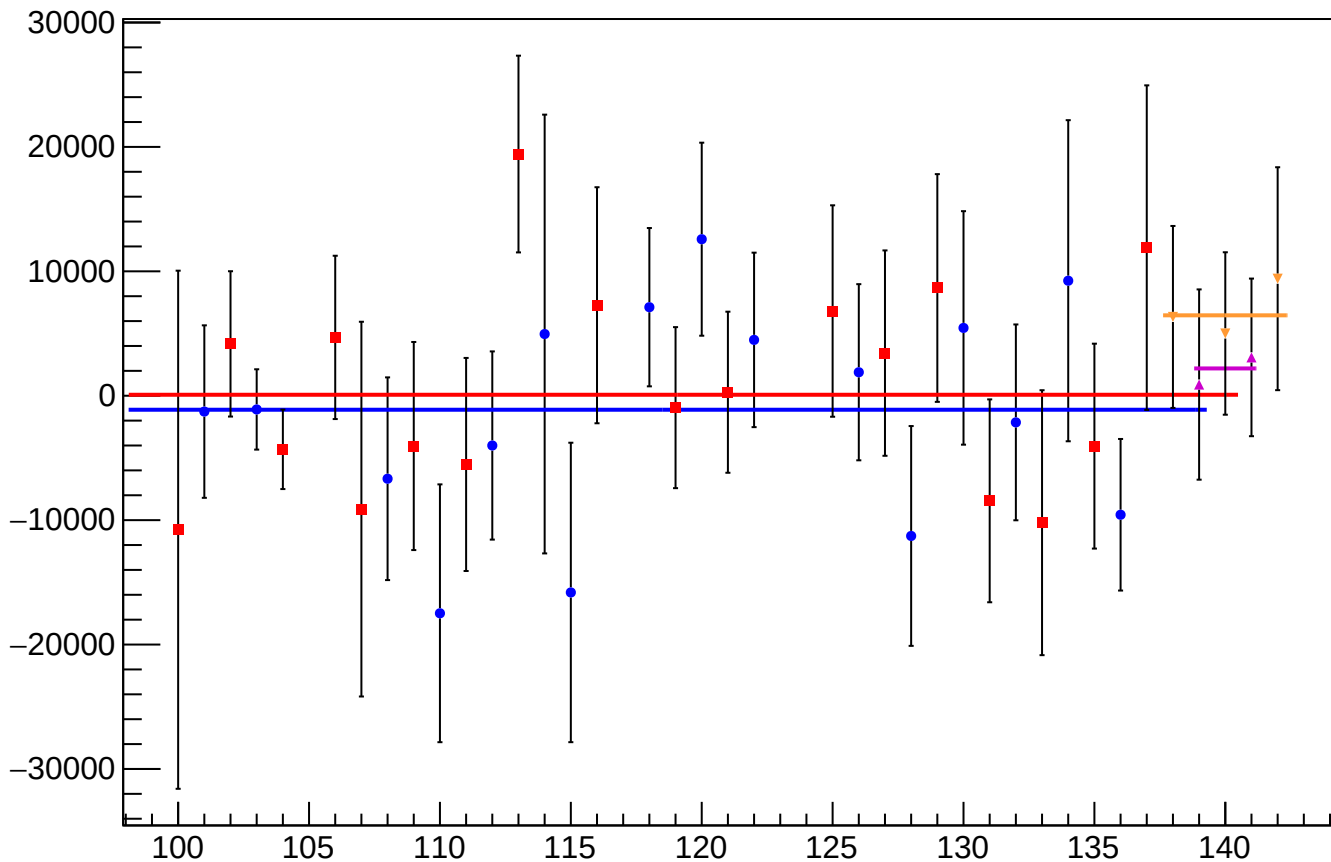
Left In: 1862.361 ± 1.001 χ^2/NDF : 28.9/1

+ sign 1861.776 ± 0.435 χ^2/NDF : 292819.1/18

All: 1858.244 ± 0.310 χ^2/NDF : 394805.7/38

- sign 1854.628 ± 0.441 χ^2/NDF : 101853.5/19

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -1125.567 ± 1757.876 χ^2/NDF : 14.7/15

Left Out: 6463.196 ± 4278.671 χ^2/NDF : 0.2/2

Right Out: 78.270 ± 1702.444 χ^2/NDF : 15.5/17

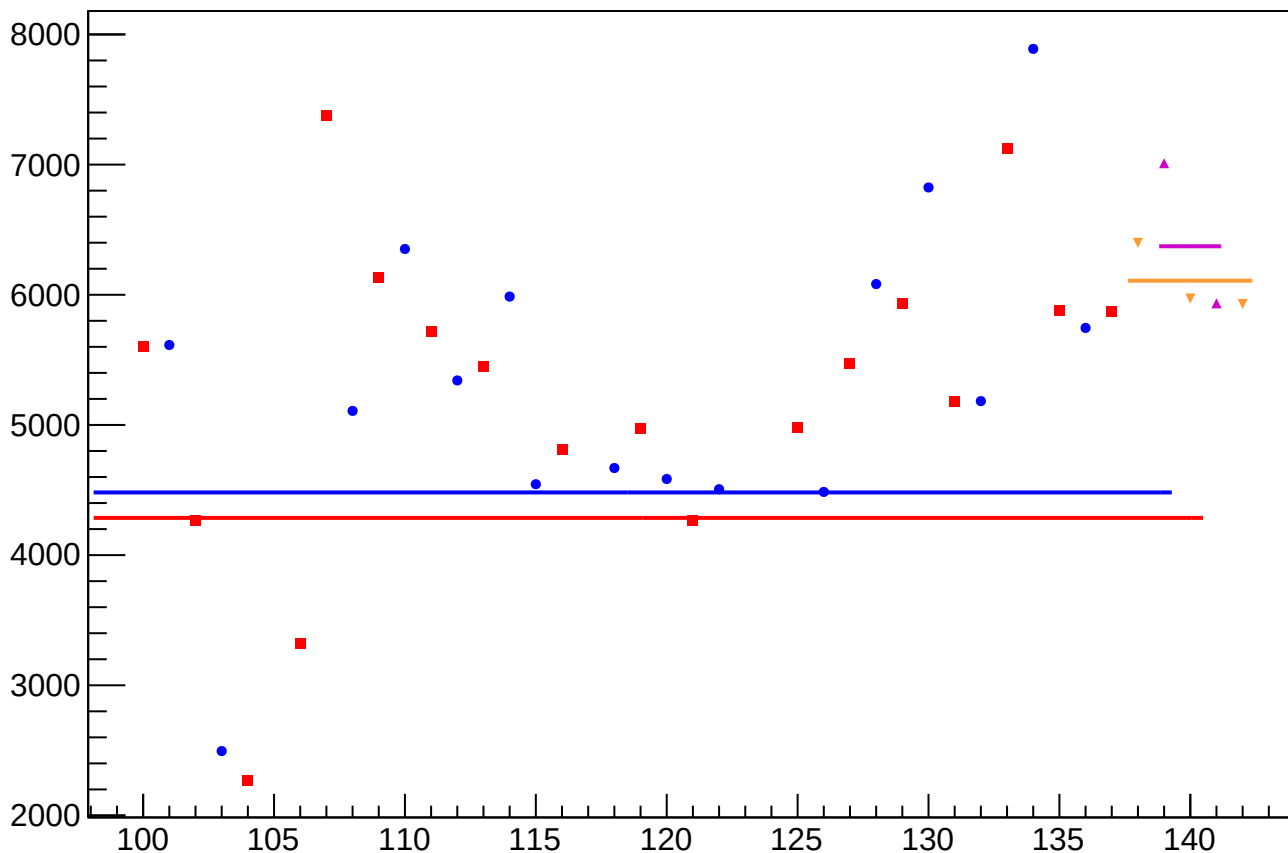
Left In: 2194.000 ± 4878.340 χ^2/NDF : 0.0/1

+ sign -29.615 ± 1625.995 χ^2/NDF : 17.6/18

All: 141.119 ± 1143.112 χ^2/NDF : 33.4/38

- sign 307.965 ± 1607.376 χ^2/NDF : 15.8/19

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 4481.518 $\pm$ 1.243 χ^2/NDF : 1362255.0/15

Left Out: 6108.199 $\pm$ 3.025 χ^2/NDF : 4839.5/2

Right Out: 4286.125 $\pm$ 1.204 χ^2/NDF : 1549852.7/17

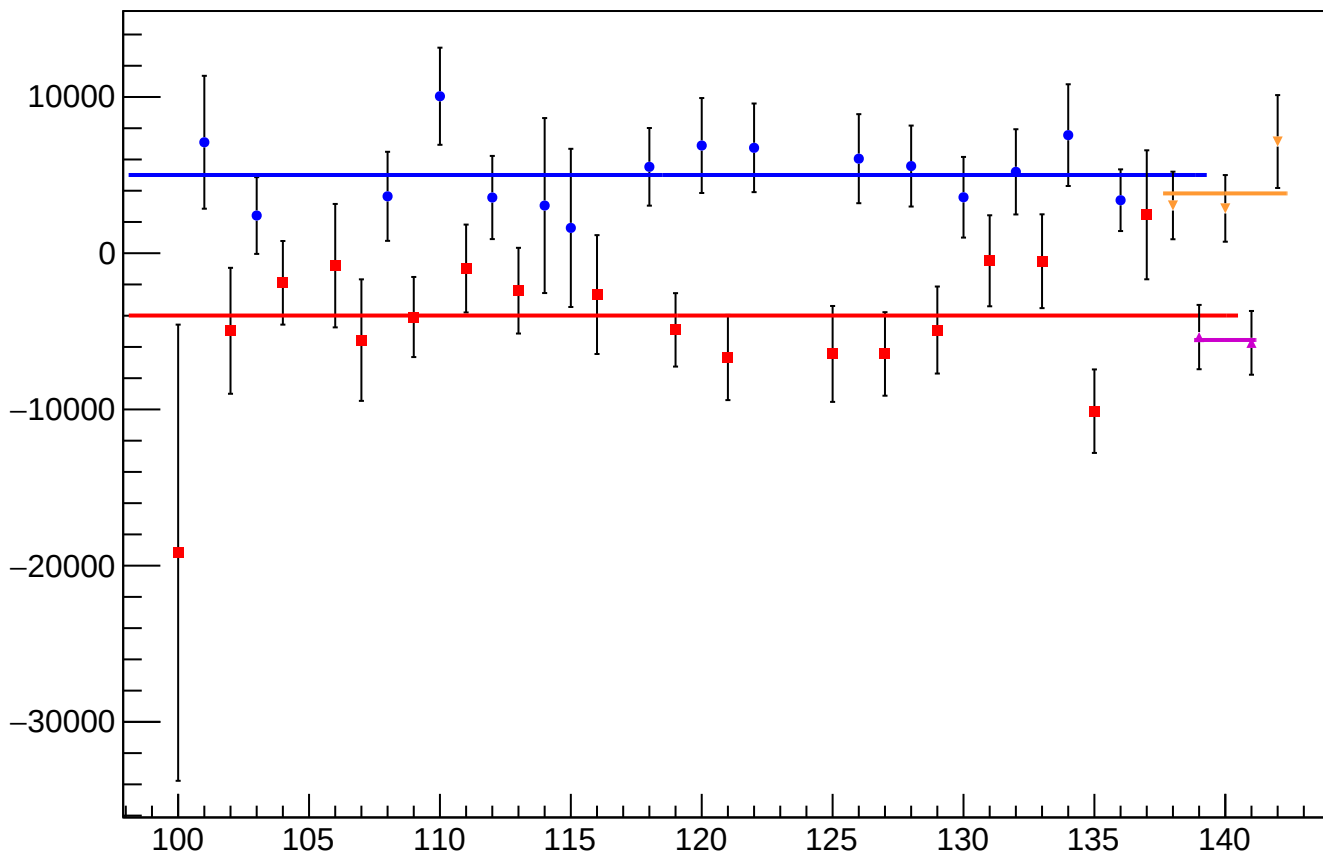
Left In: 6372.566 $\pm$ 3.450 χ^2/NDF : 23511.4/1

+ sign 4716.440 $\pm$ 1.150 χ^2/NDF : 1614425.6/18

All: 4613.366 $\pm$ 0.808 χ^2/NDF : 3529808.0/38

- sign 4512.640 $\pm$ 1.137 χ^2/NDF : 1899491.8/19

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315 $\pm$ 714.061 χ^2 /NDF: 7.7/15

Left Out: 3827.878 $\pm$ 1352.486 χ^2 /NDF:1.6/2

Right Out: -3989.193 $\pm$ 719.024 χ^2 /NDF: 17.4/17

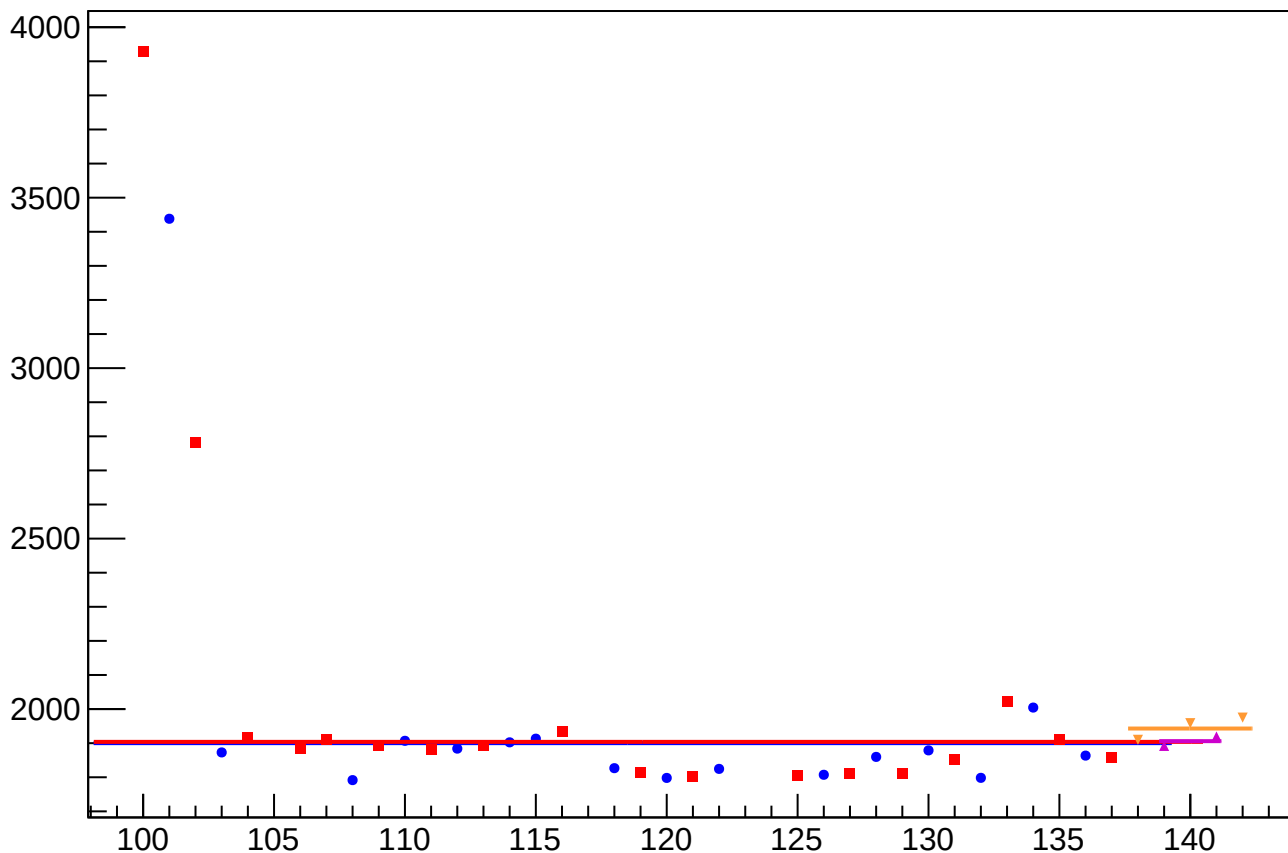
Left In: -5554.352 $\pm$ 1449.157 χ^2 /NDF:0.0/1

+ sign 4750.218 $\pm$ 631.457 χ^2 /NDF: 9.8/18

All: 315.590 $\pm$ 450.911 χ^2 /NDF: 128.8/38

- sign -4298.389 $\pm$ 644.099 χ^2 /NDF: 18.3/19

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: 1942.941 $\pm$ 0.956 χ^2 /NDF: 807.7/2

Right Out: 1903.827 $\pm$ 0.508 χ^2 /NDF: 150115.8/17

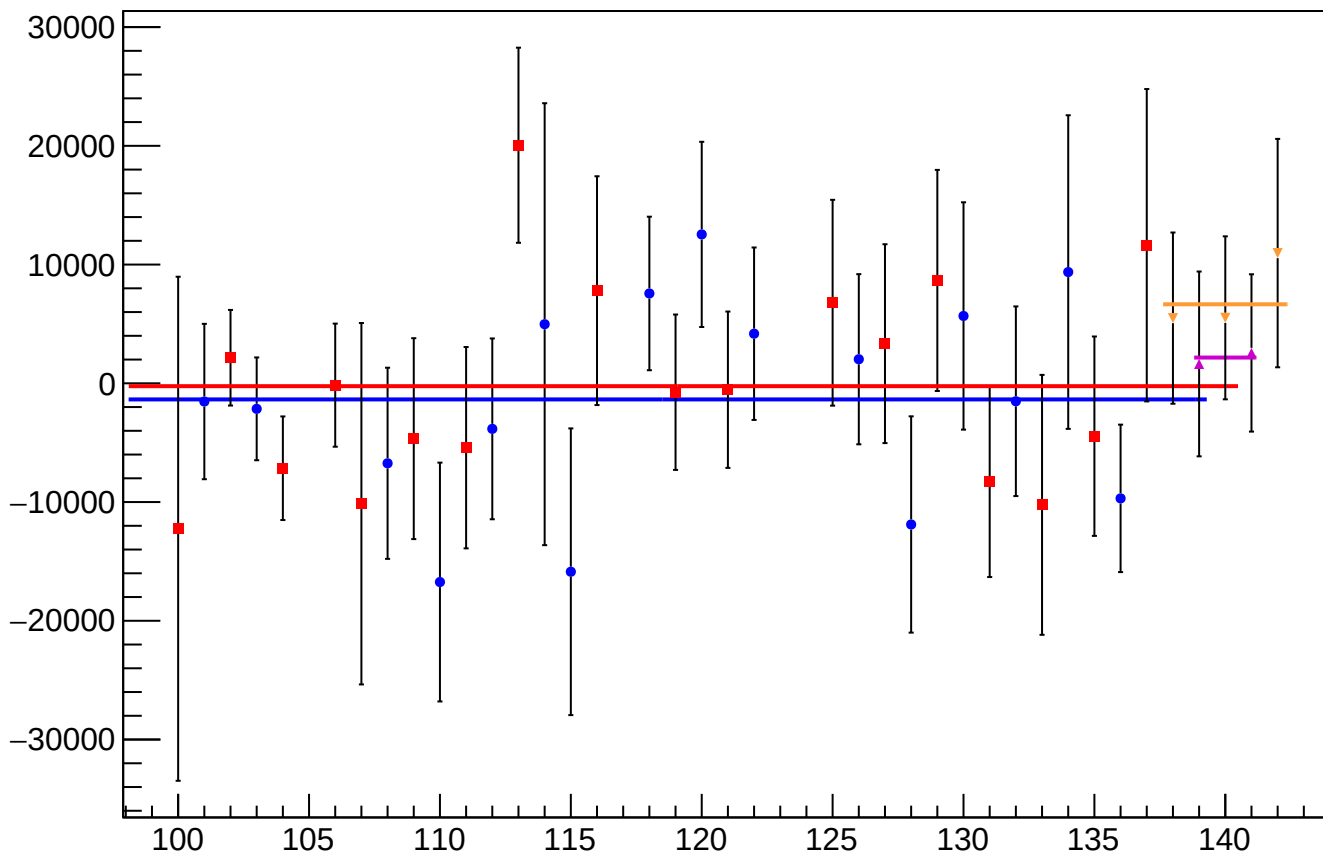
Left In: 1905.912 $\pm$ 1.025 χ^2 /NDF: 181.5/1

+ sign 1909.448 $\pm$ 0.447 χ^2 /NDF: 280824.4/18

All: 1906.892 $\pm$ 0.319 χ^2 /NDF: 431191.9/38

- sign 1904.238 $\pm$ 0.455 χ^2 /NDF: 150300.7/19

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: 6654.386+/-4416.229 χ^2/NDF : 0.3/2

Right Out: -241.153+/-1712.681 χ^2/NDF : 15.7/17

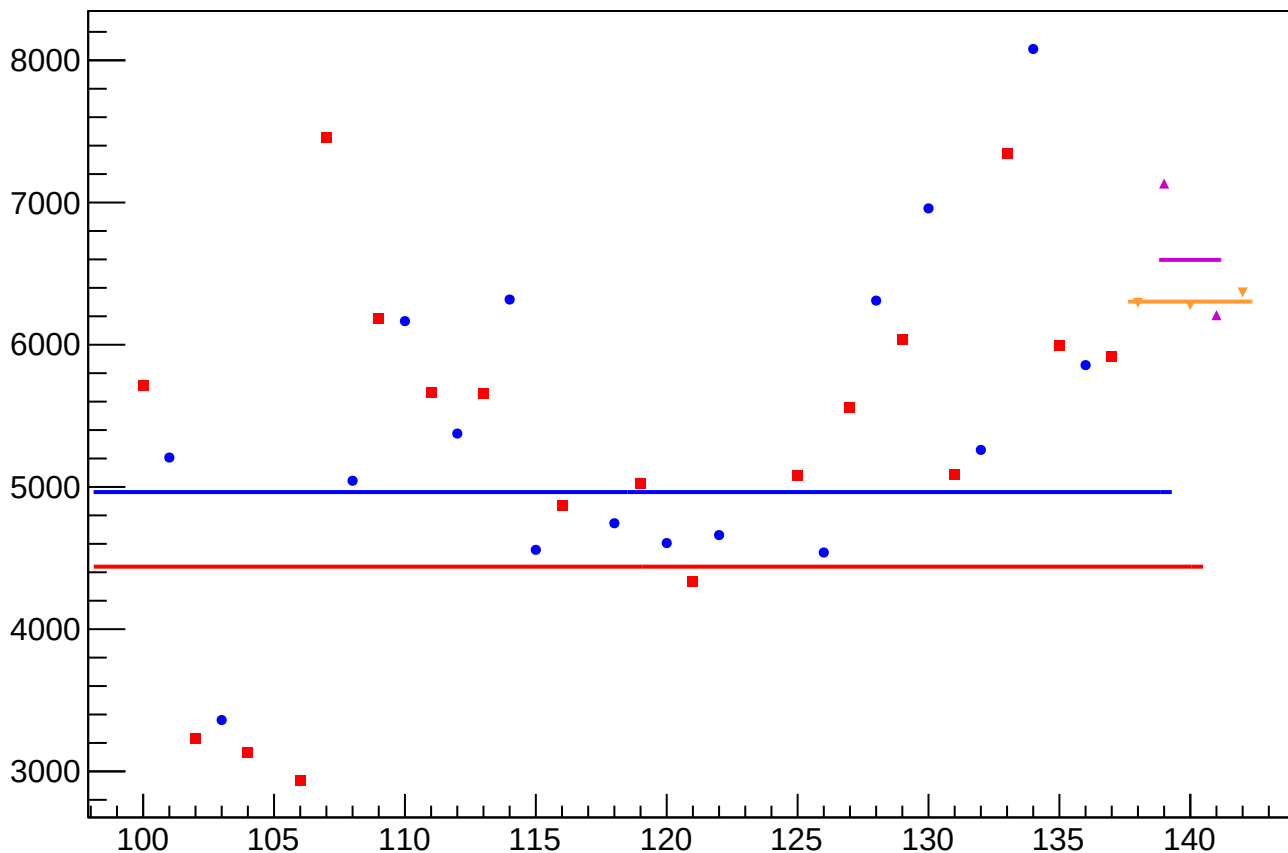
Left In: 2168.976+/-5044.333 χ^2/NDF : 0.0/1

+ sign -109.842+/-1742.215 χ^2/NDF : 17.7/18

All: -46.726+/-1187.057 χ^2/NDF : 33.7/38

- sign 7.964+/-1621.754 χ^2/NDF : 15.9/19

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: 6303.339+/-3.123 χ^2/NDF :117.7/2

Right Out: 4439.675+/-1.211 χ^2/NDF : 1158510.1/17

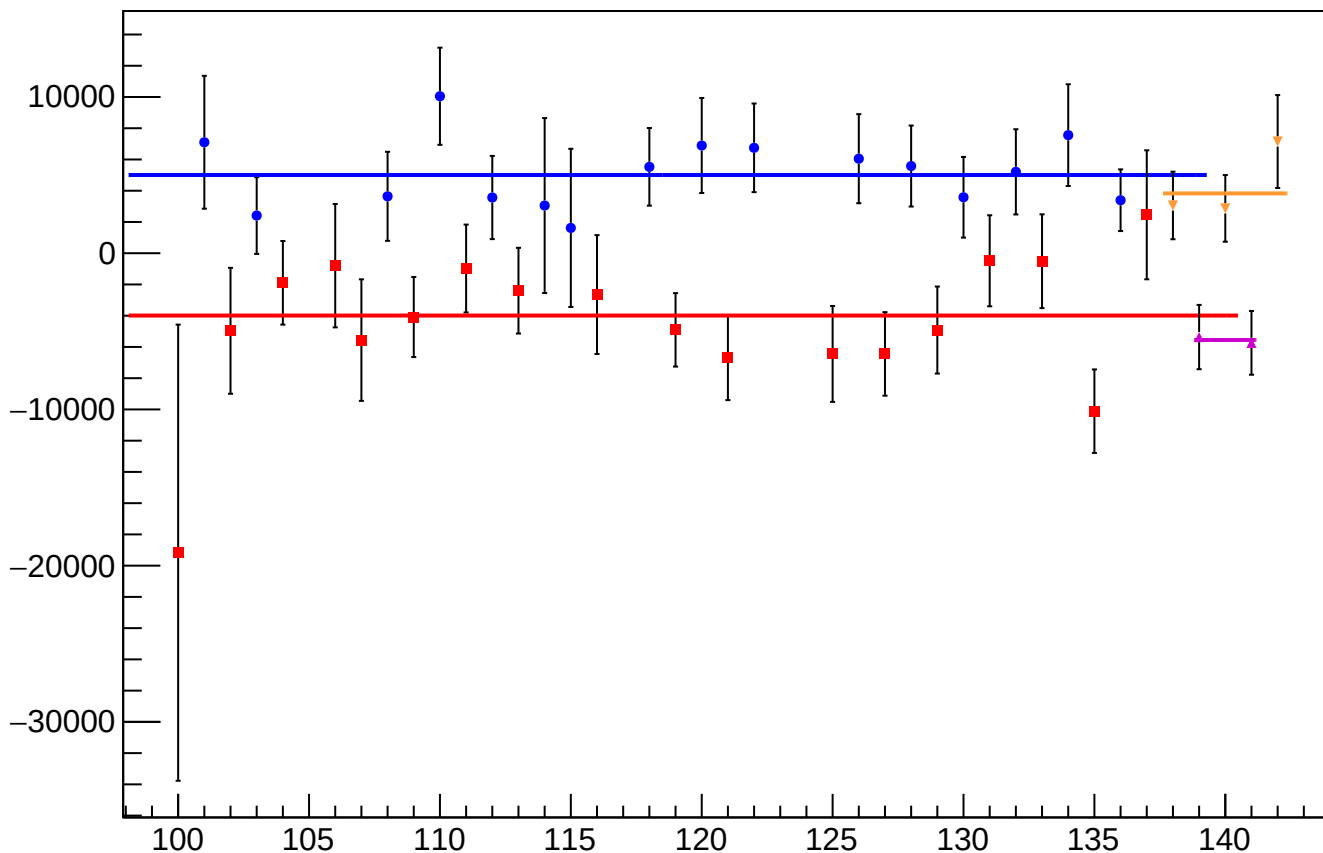
Left In: 6596.748+/-3.567 χ^2/NDF :16408.6/1

+ sign 5172.443+/-1.232 χ^2/NDF : 782819.4/18

All: 4899.306+/-0.839 χ^2/NDF : 2377410.6/38

- sign 4662.635+/-1.147 χ^2/NDF : 1502839.6/19

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: 3827.892+/-1352.487 χ^2/NDF : 1.6/2

Right Out: -3989.192+/-719.024 χ^2/NDF : 17.4/17

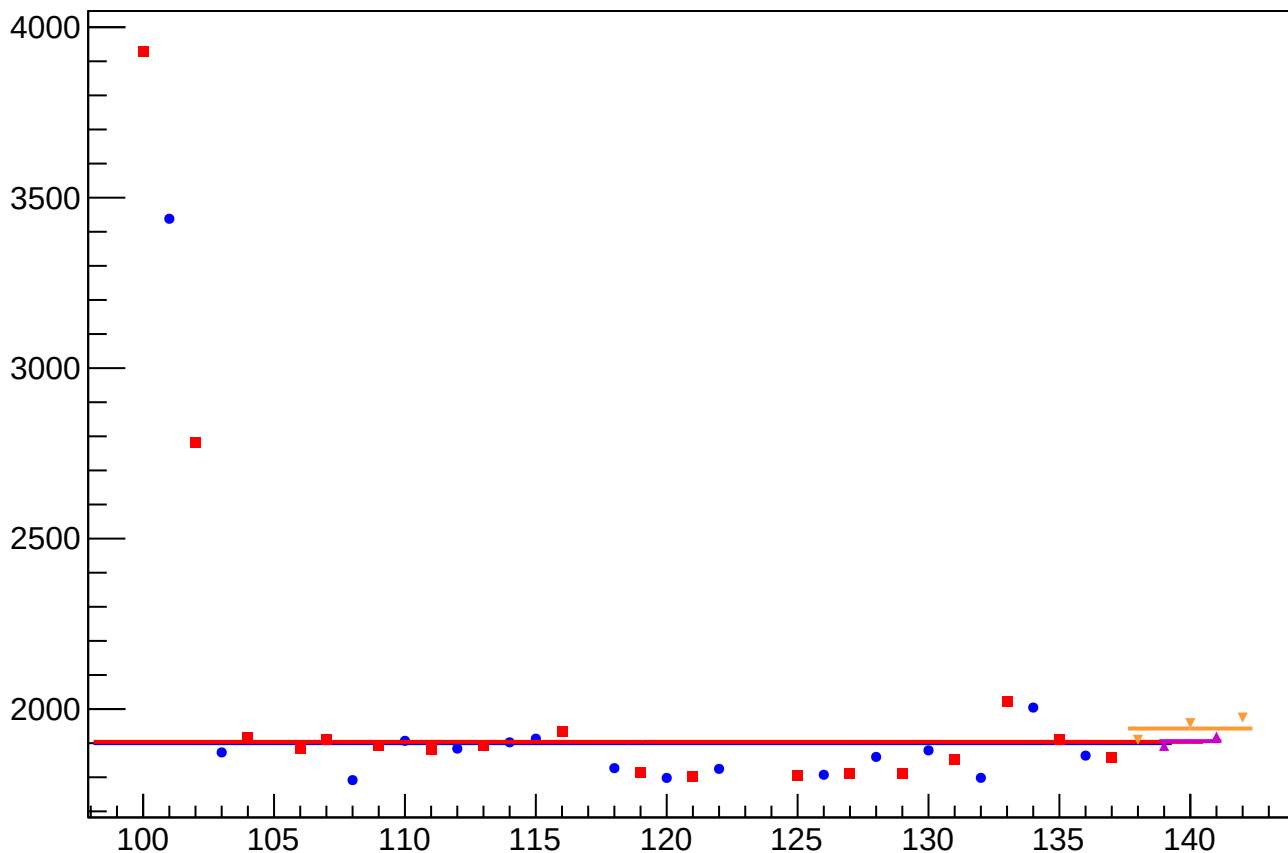
Left In: -5554.336+/-1449.157 χ^2/NDF : 0.0/1

+ sign 4750.220+/-631.457 χ^2/NDF : 9.8/18

All: 315.593+/-450.911 χ^2/NDF : 128.8/38

- sign -4298.385+/-644.099 χ^2/NDF : 18.3/19

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF : 278448.5/15

Left Out: 1942.942+/-0.956 χ^2/NDF : 807.8/2

Right Out: 1903.826+/-0.508 χ^2/NDF : 150115.1/17

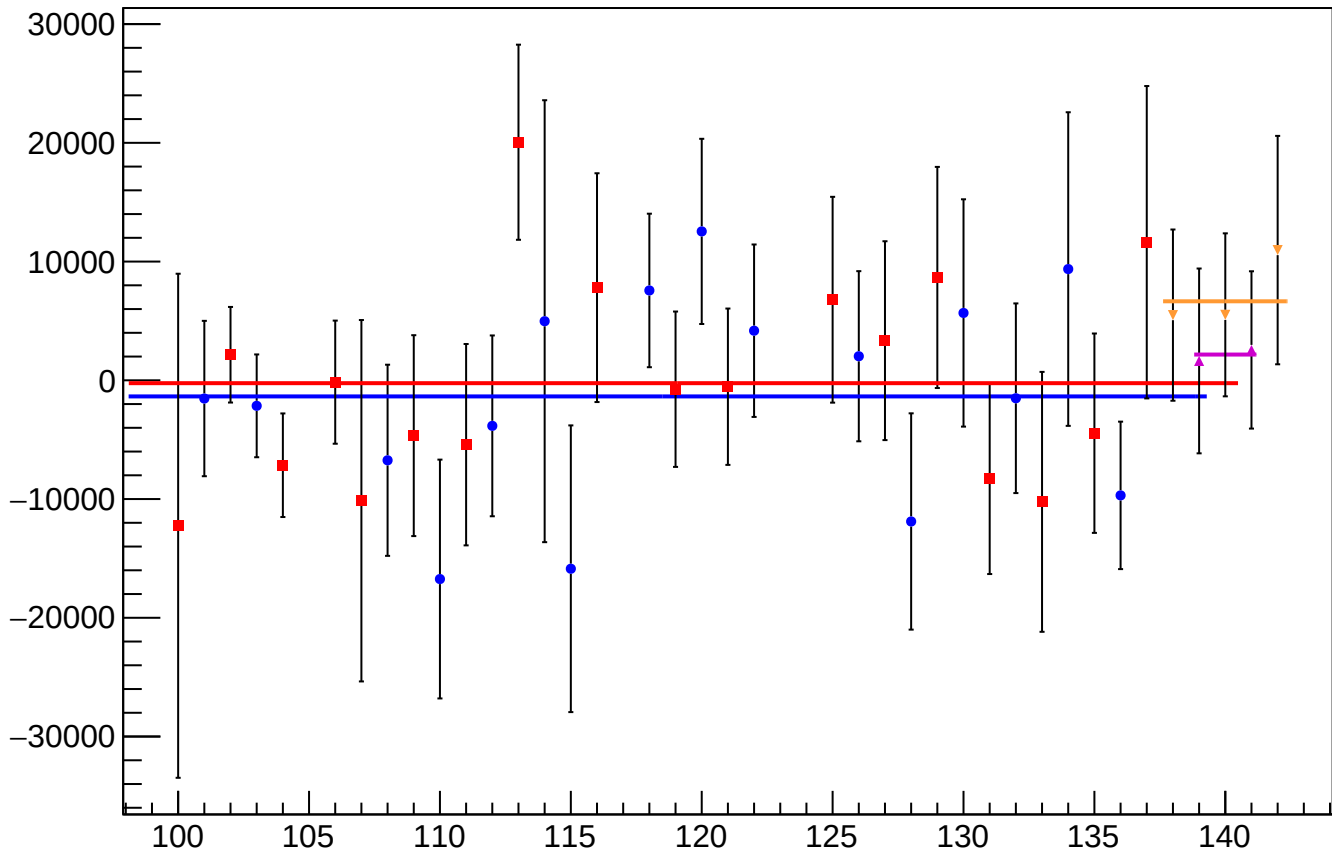
Left In: 1905.913+/-1.025 χ^2/NDF : 181.5/1

+ sign 1909.447+/-0.447 χ^2/NDF : 280824.8/18

All: 1906.892+/-0.319 χ^2/NDF : 431191.5/38

- sign 1904.238+/-0.455 χ^2/NDF : 150300.0/19

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: 6654.405+/-4416.237 χ^2/NDF : 0.3/2

Right Out: -241.155+/-1712.677 χ^2/NDF : 15.7/17

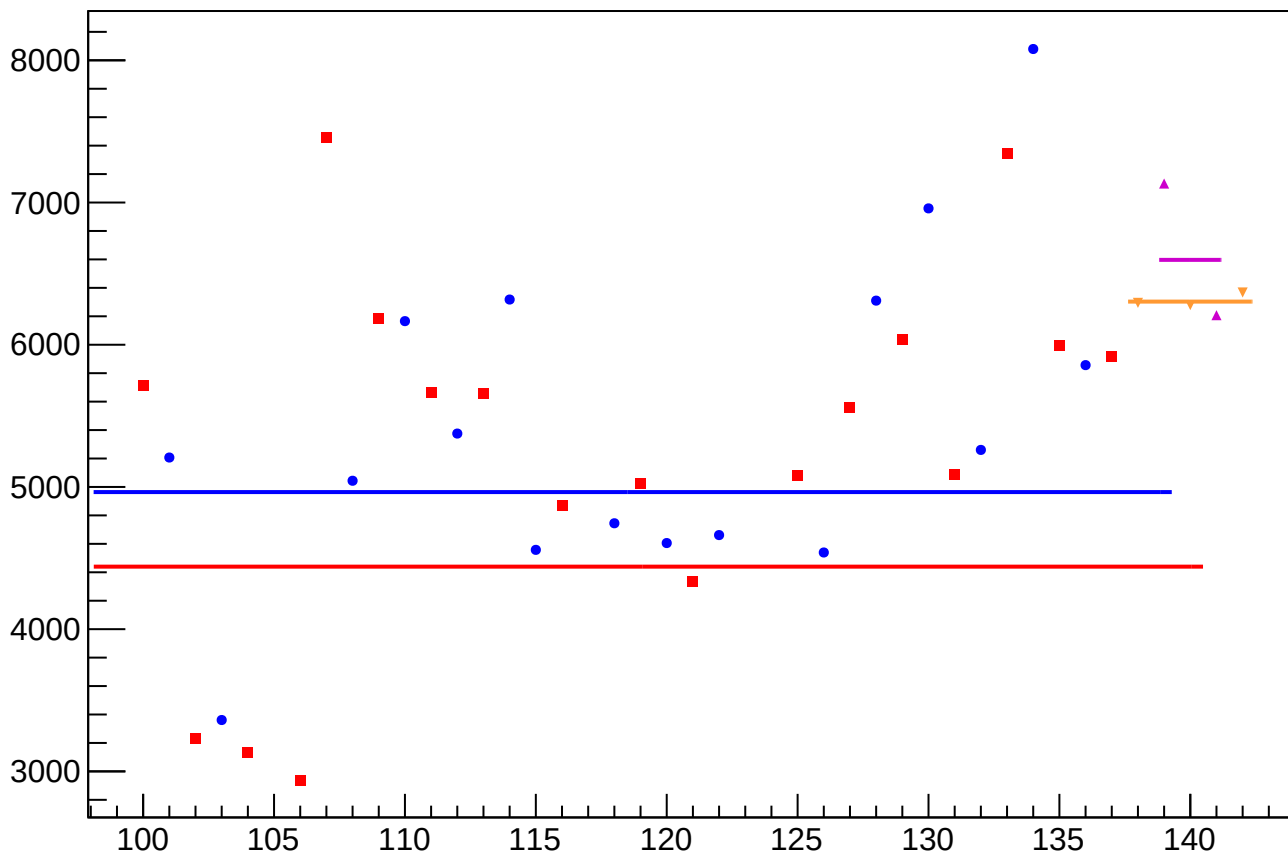
Left In: 2168.990+/-5044.342 χ^2/NDF : 0.0/1

+ sign -109.840+/-1742.212 χ^2/NDF : 17.7/18

All: -46.726+/-1187.054 χ^2/NDF : 33.7/38

- sign 7.962+/-1621.751 χ^2/NDF : 15.9/19

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 4963.985 $\pm$ 1.341 χ^2 /NDF: 627379.5/15

Left Out: 6303.350 $\pm$ 3.123 χ^2 /NDF:117.7/2

+ sign 5172.432 $\pm$ 1.232 χ^2 /NDF: 782827.2/18

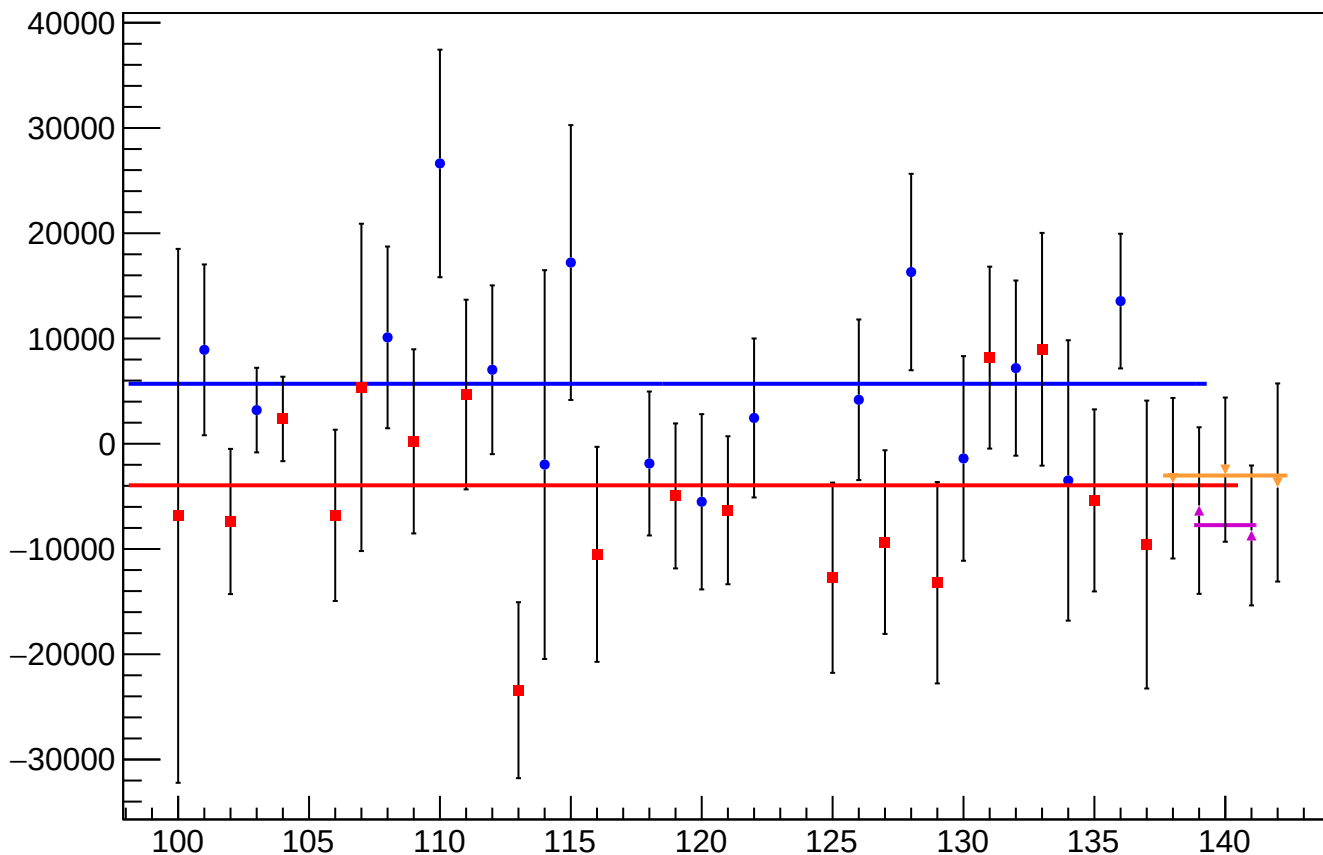
Right Out: 4439.663 $\pm$ 1.211 χ^2 /NDF: 1158509.7/17

All: 4899.296 $\pm$ 0.839 χ^2 /NDF: 2377424.5/38

- sign 4662.624 $\pm$ 1.147 χ^2 /NDF: 1502845.4/19

Left In: 6596.758 $\pm$ 3.567 χ^2 /NDF:16409.0/1

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF : 12.6/15

Left Out: -3918.861+/-4481.204 χ^2/NDF : 0.0/2

Right Out: -3949.394+/-1920.582 χ^2/NDF : 16.1/17

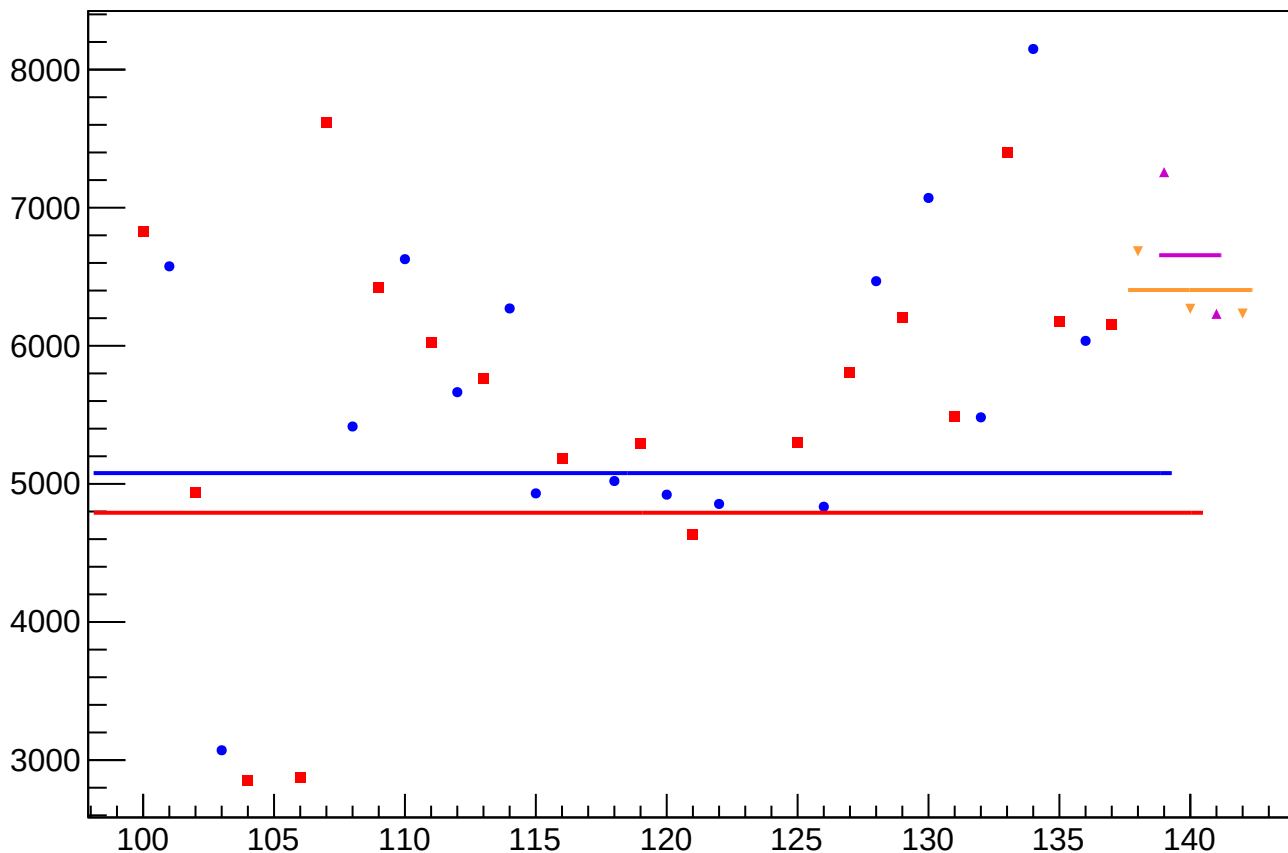
Left In: -7734.199+/-5089.884 χ^2/NDF : 0.1/1

+ sign 4298.504+/-1795.141 χ^2/NDF : 15.8/18

All: -56.999+/-1269.983 χ^2/NDF : 44.3/38

- sign -4421.113+/-1796.915 χ^2/NDF : 16.7/19

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157 $\pm$ 1.385 χ^2/NDF : 919209.4/15

Left Out: 6403.904 $\pm$ 3.169 χ^2/NDF :4150.1/2

Right Out: 4791.154 $\pm$ 1.331 χ^2/NDF : 1162455.3/17

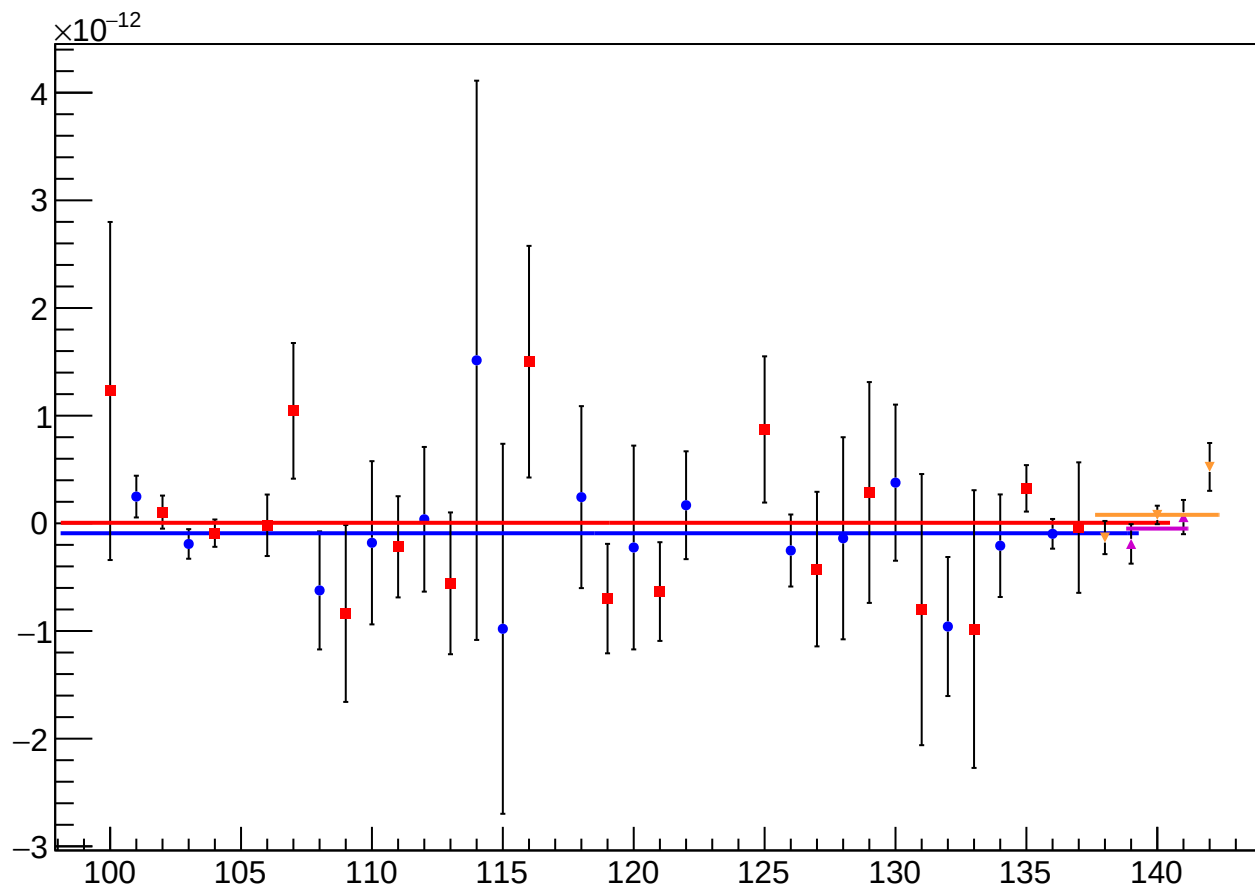
Left In: 6655.970 $\pm$ 3.599 χ^2/NDF :19715.3/1

+ sign 5290.900 $\pm$ 1.269 χ^2/NDF : 1070319.1/18

All: 5150.840 $\pm$ 0.890 χ^2/NDF : 2512614.5/38

- sign 5015.422 $\pm$ 1.248 χ^2/NDF : 1418348.5/19

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:5.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/17

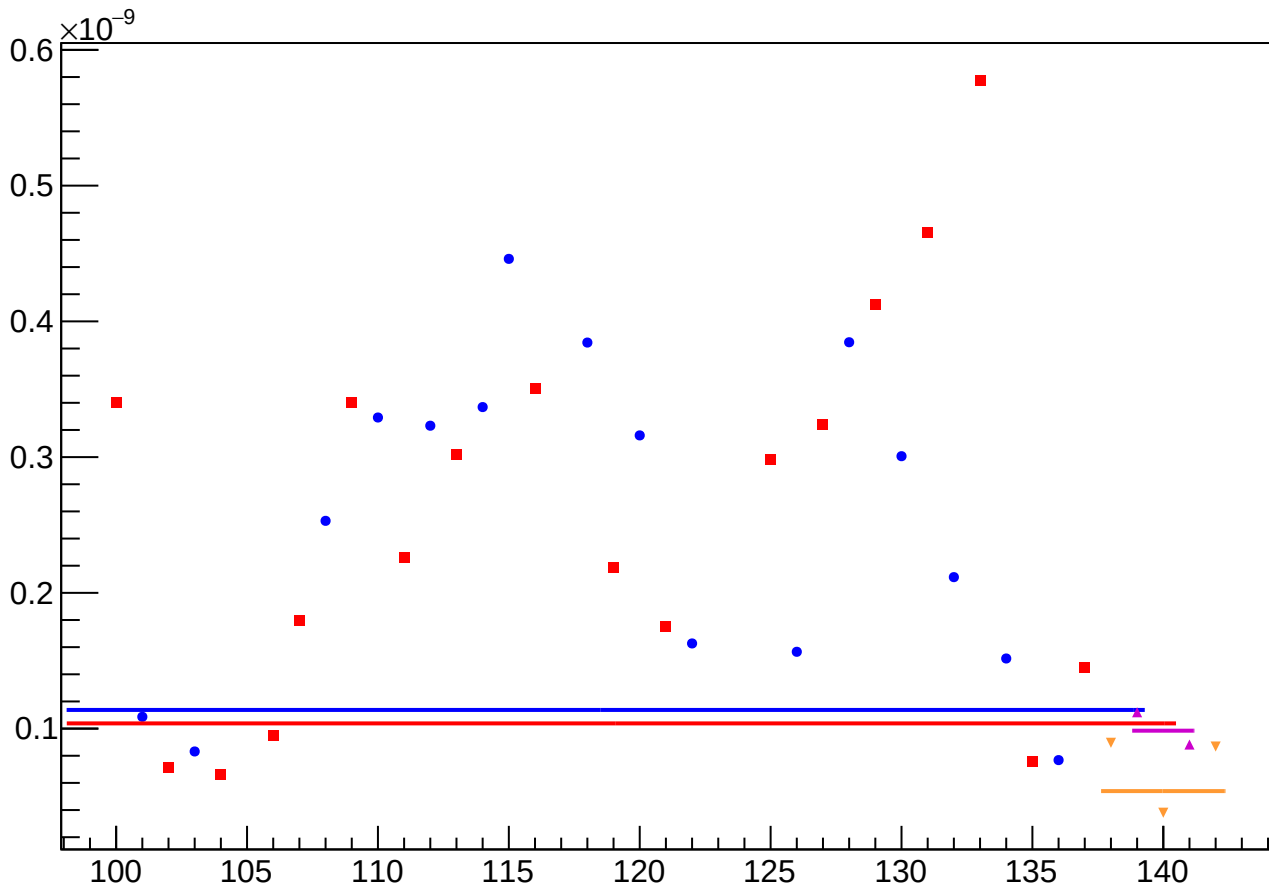
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:1.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.7/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 35.3/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/19

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 :219358.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2087534.7/17

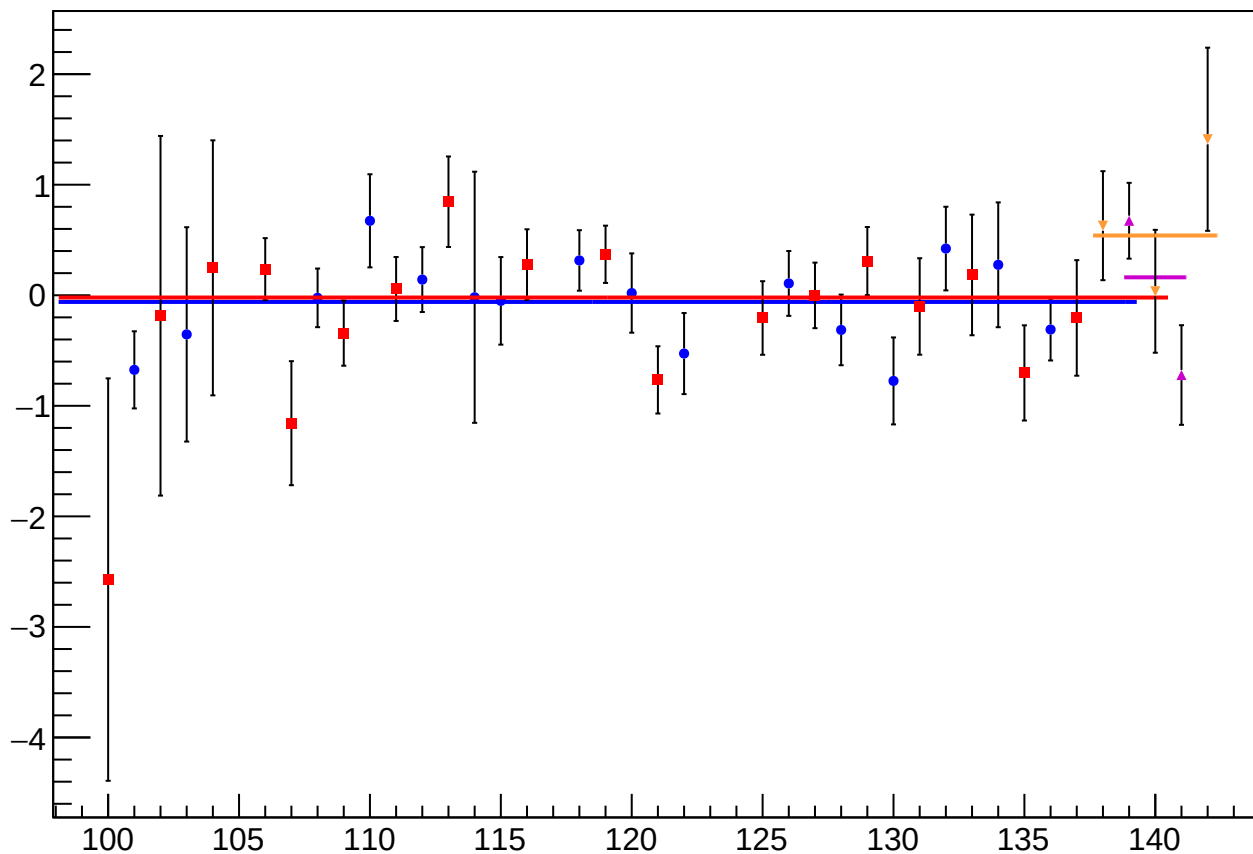
Left In: 0.000+/-0.000 χ^2/NDF :19209.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 2388393.6/18

All: 0.000+/-0.000 χ^2/NDF : 4626320.9/38

- sign 0.000+/-0.000 χ^2/NDF : 2109575.5/19

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: 0.541+/-0.337 χ^2 /NDF:2.0/2

Right Out: -0.020+/-0.087 χ^2 /NDF: 26.1/17

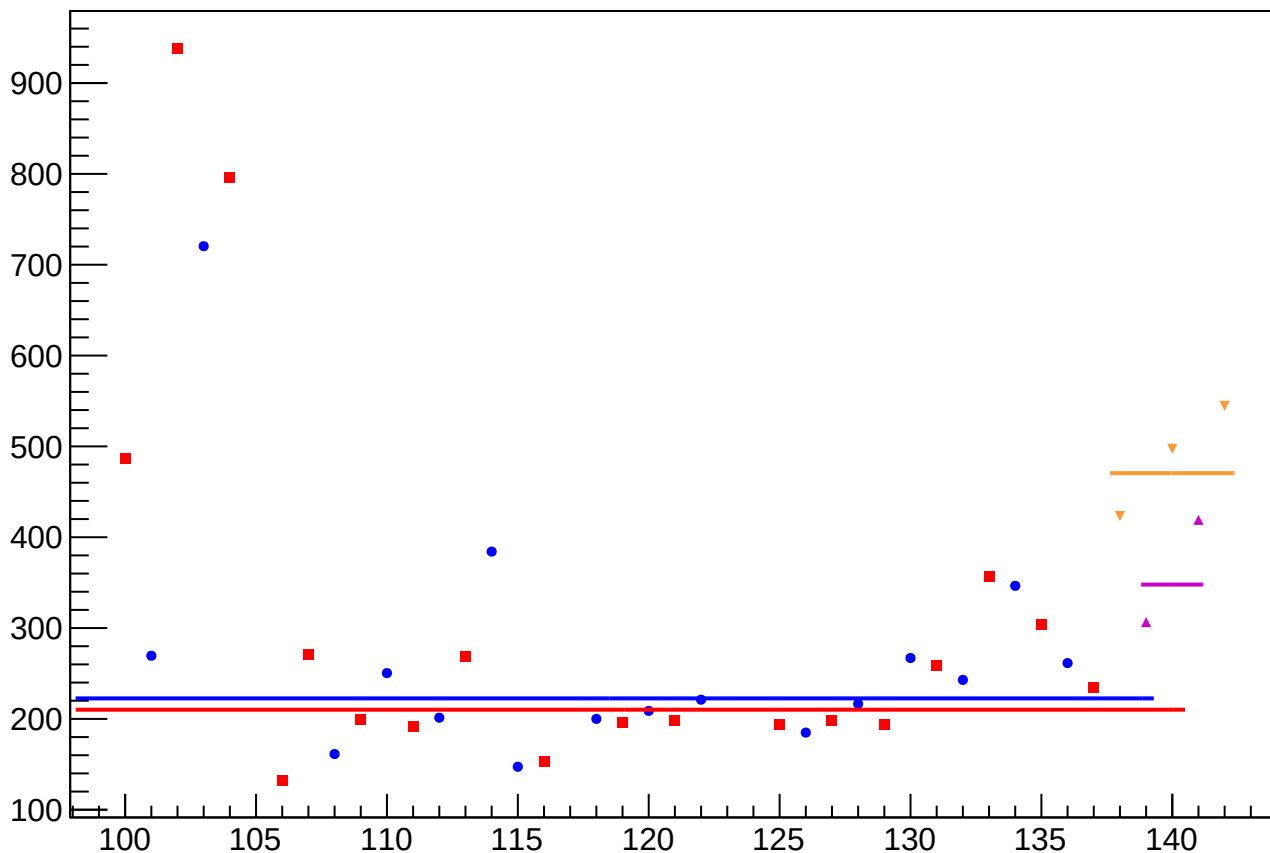
Left In: 0.162+/-0.273 χ^2 /NDF:6.1/1

+ sign -0.021+/-0.086 χ^2 /NDF: 22.2/18

All: -0.012+/-0.060 χ^2 /NDF: 54.9/38

- sign -0.003+/-0.083 χ^2 /NDF: 32.6/19

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: 470.577 $\pm$ 0.238 χ^2 /NDF: 38999.5/2

Right Out: 210.123 $\pm$ 0.062 χ^2 /NDF: 1548526.4/17

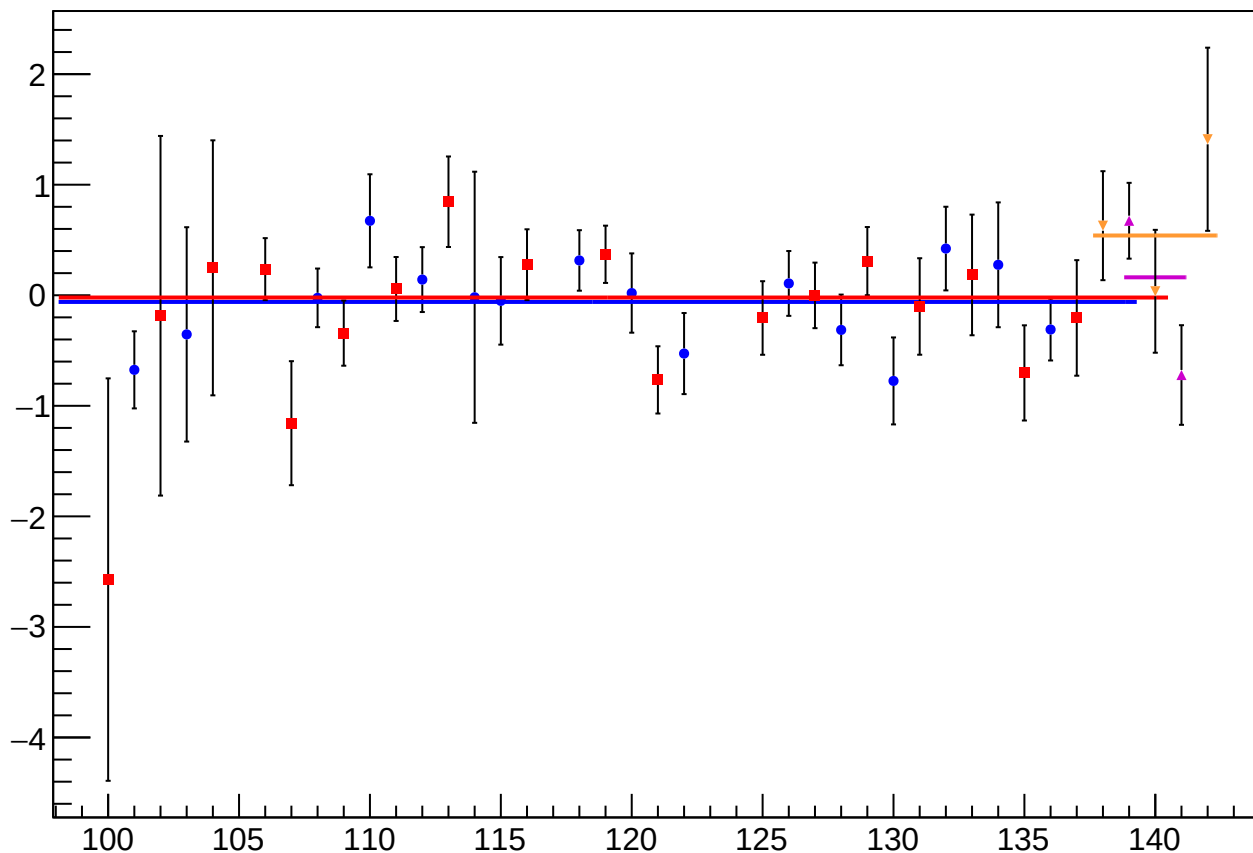
Left In: 347.896 $\pm$ 0.193 χ^2 /NDF: 79019.5/1

+ sign 238.633 $\pm$ 0.061 χ^2 /NDF: 2071519.7/18

All: 230.562 $\pm$ 0.042 χ^2 /NDF: 4195906.9/38

- sign 222.950 $\pm$ 0.059 χ^2 /NDF: 2089948.5/19

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: 0.541 ± 0.337 χ^2/NDF : 2.0/2

Right Out: -0.020 ± 0.087 χ^2/NDF : 26.1/17

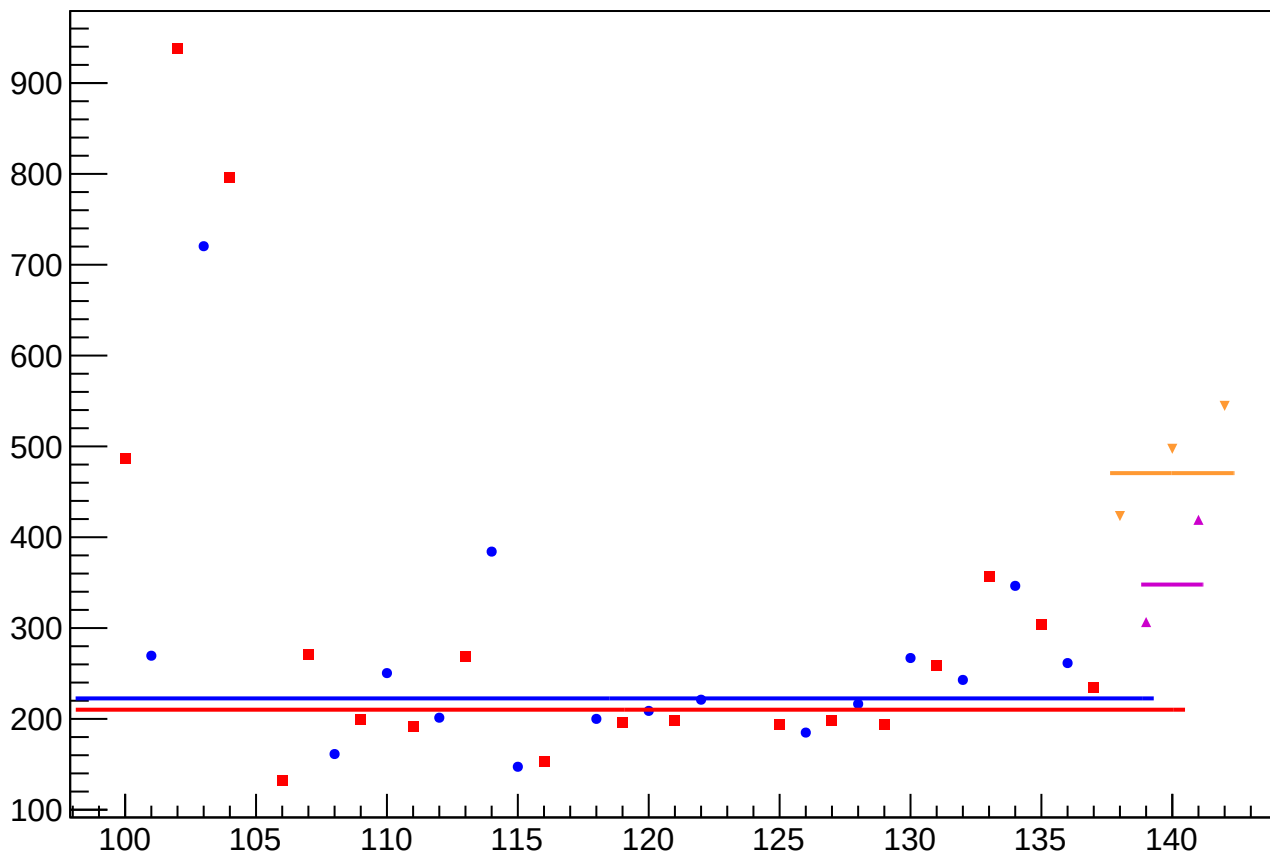
Left In: 0.162 ± 0.273 χ^2/NDF : 6.1/1

+ sign -0.021 ± 0.086 χ^2/NDF : 22.2/18

All: -0.012 ± 0.060 χ^2/NDF : 54.9/38

- sign -0.003 ± 0.083 χ^2/NDF : 32.6/19

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: 470.577 $\pm$ 0.238 χ^2 /NDF:38999.5/2

Right Out: 210.123 $\pm$ 0.062 χ^2 /NDF: 1548526.4/17

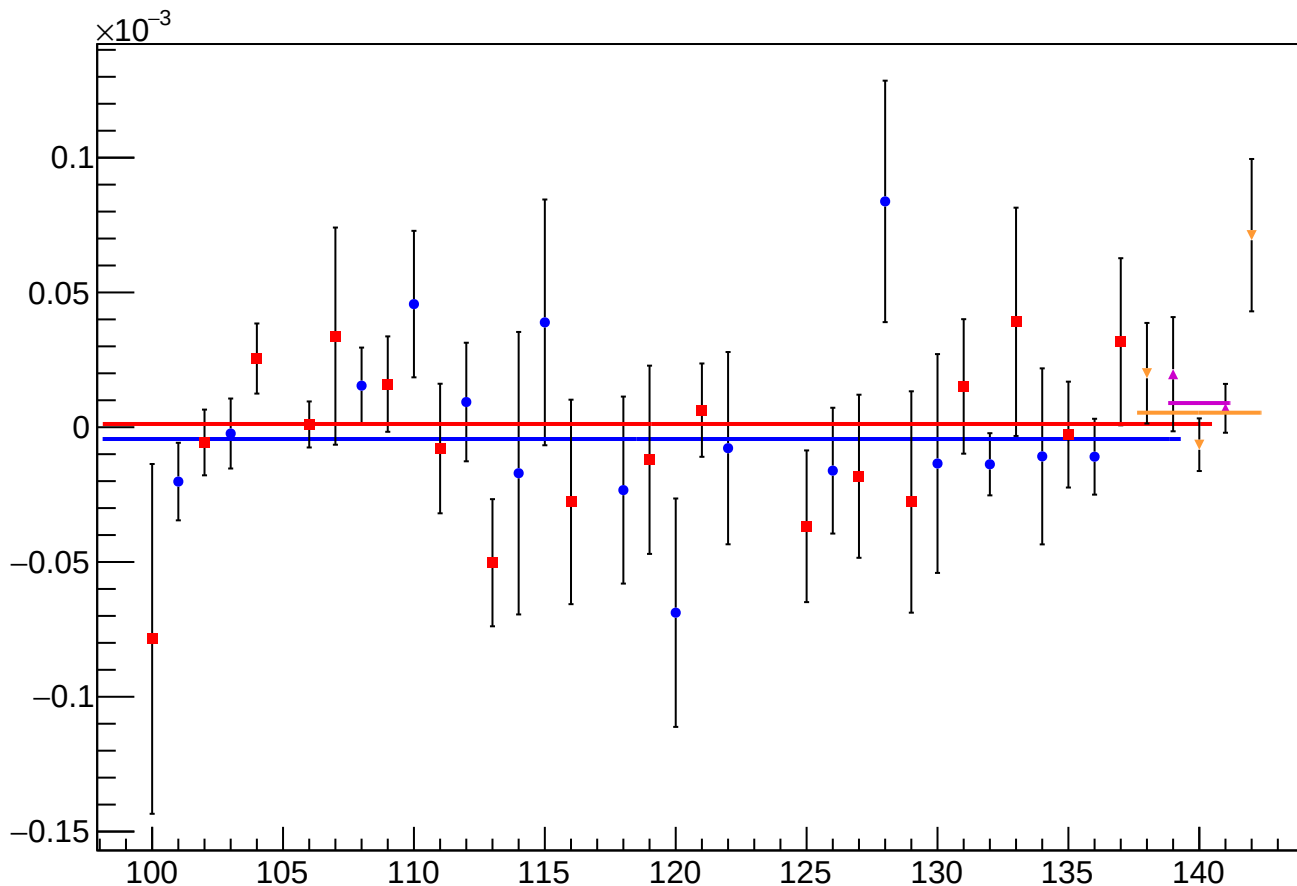
Left In: 347.896 $\pm$ 0.193 χ^2 /NDF:79019.5/1

+ sign 238.633 $\pm$ 0.061 χ^2 /NDF: 2071519.7/18

All: 230.562 $\pm$ 0.042 χ^2 /NDF: 4195906.9/38

- sign 222.950 $\pm$ 0.059 χ^2 /NDF: 2089948.5/19

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: 7.5/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

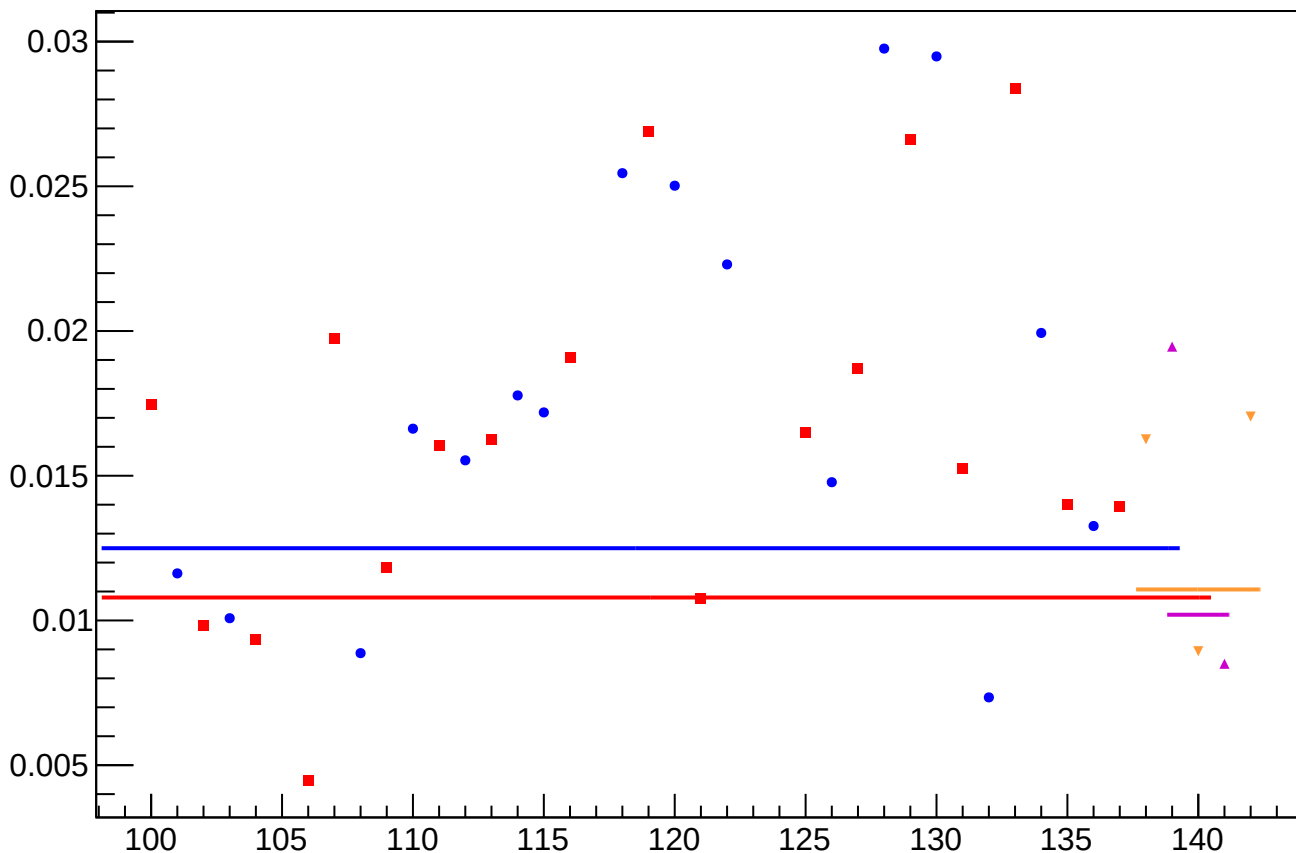
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.0/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/19

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: 0.011+/-0.000 χ^2/NDF :339312.1/2

Right Out: 0.011+/-0.000 χ^2/NDF : 2987826.3/17

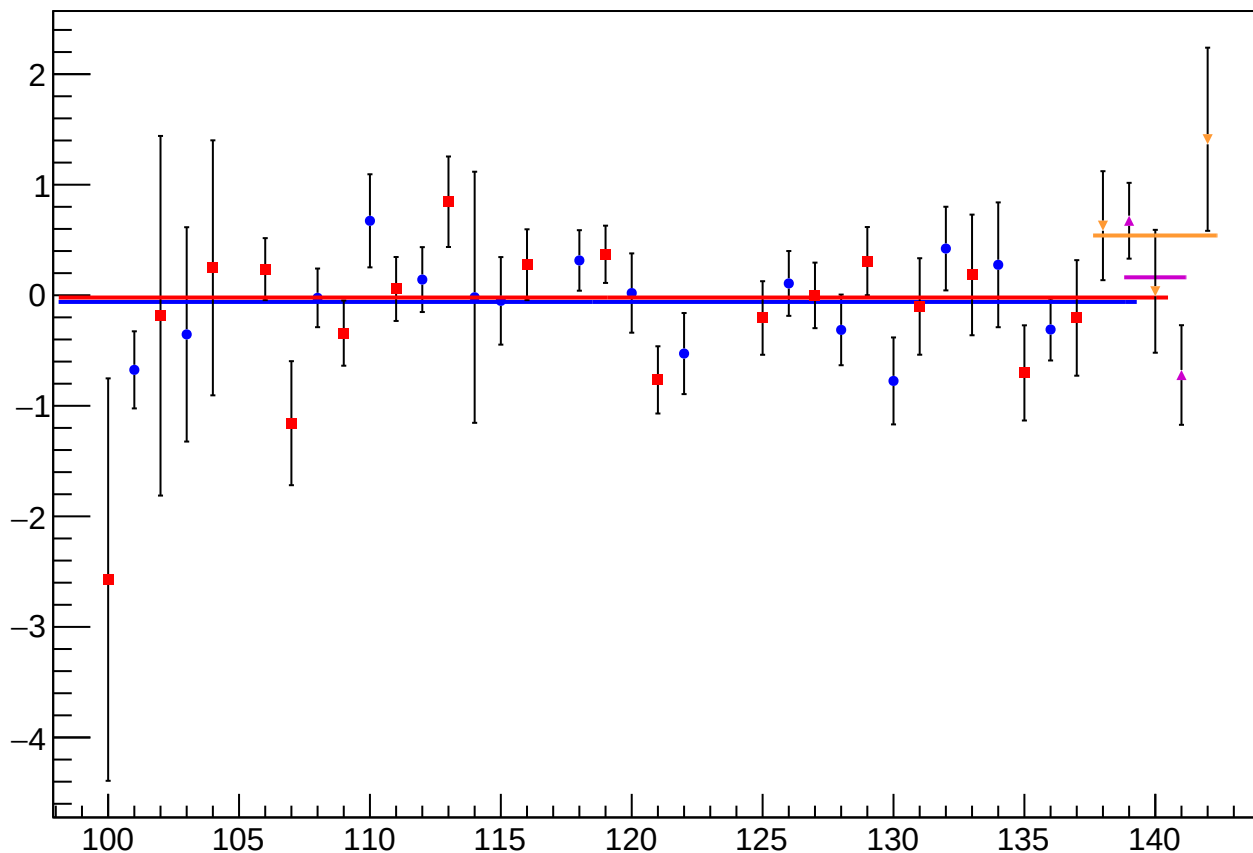
Left In: 0.010+/-0.000 χ^2/NDF :452198.9/1

+ sign 0.012+/-0.000 χ^2/NDF : 2497371.3/18

All: 0.011+/-0.000 χ^2/NDF : 6065786.1/38

- sign 0.011+/-0.000 χ^2/NDF : 3447868.0/19

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.060 ± 0.089 $\chi^2/\text{NDF}: 17.3/15$

Left Out: 0.541 ± 0.337 $\chi^2/\text{NDF}: 2.0/2$

Right Out: -0.020 ± 0.087 $\chi^2/\text{NDF}: 26.1/17$

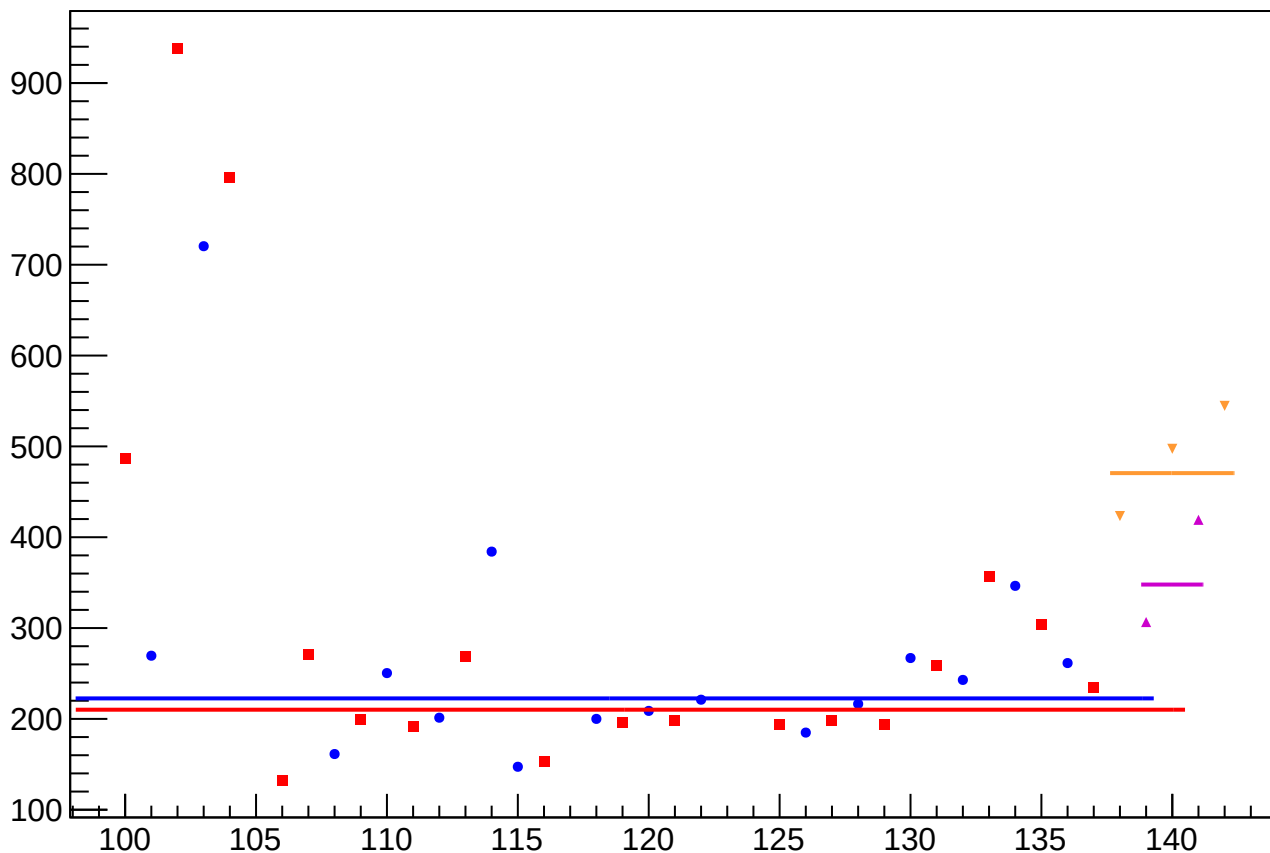
Left In: 0.162 ± 0.273 $\chi^2/\text{NDF}: 6.1/1$

+ sign -0.021 ± 0.086 $\chi^2/\text{NDF}: 22.2/18$

All: -0.012 ± 0.060 $\chi^2/\text{NDF}: 54.9/38$

- sign -0.003 ± 0.083 $\chi^2/\text{NDF}: 32.6/19$

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 222.567+/-0.063 χ^2/NDF : 1018760.3/15

Left Out: 470.581+/-0.238 χ^2/NDF : 39000.3/2

Right Out: 210.120+/-0.062 χ^2/NDF : 1548507.5/17

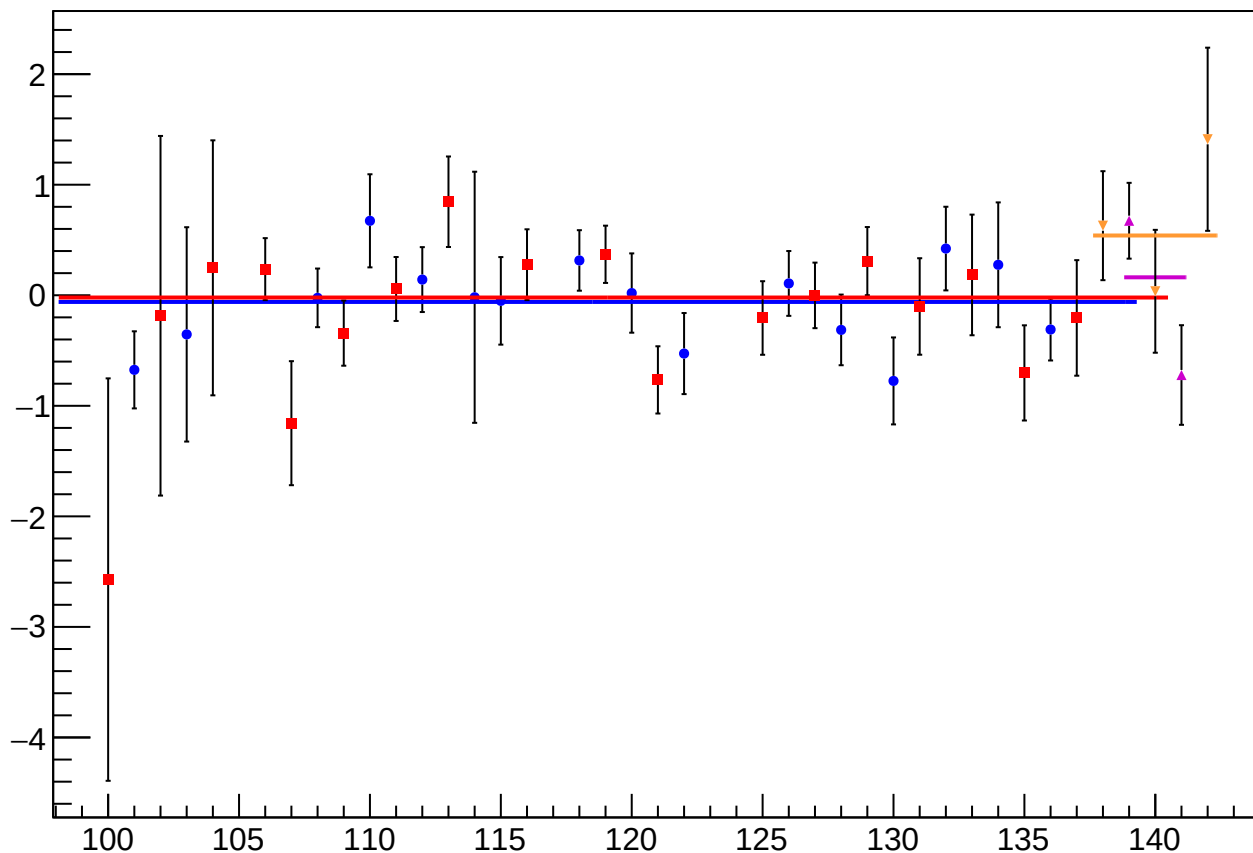
Left In: 347.902+/-0.193 χ^2/NDF : 79010.5/1

+ sign 238.631+/-0.061 χ^2/NDF : 2071537.8/18

All: 230.560+/-0.042 χ^2/NDF : 4195947.1/38

- sign 222.948+/-0.059 χ^2/NDF : 2089967.7/19

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: 0.541 ± 0.337 χ^2/NDF : 2.0/2

Right Out: -0.020 ± 0.087 χ^2/NDF : 26.1/17

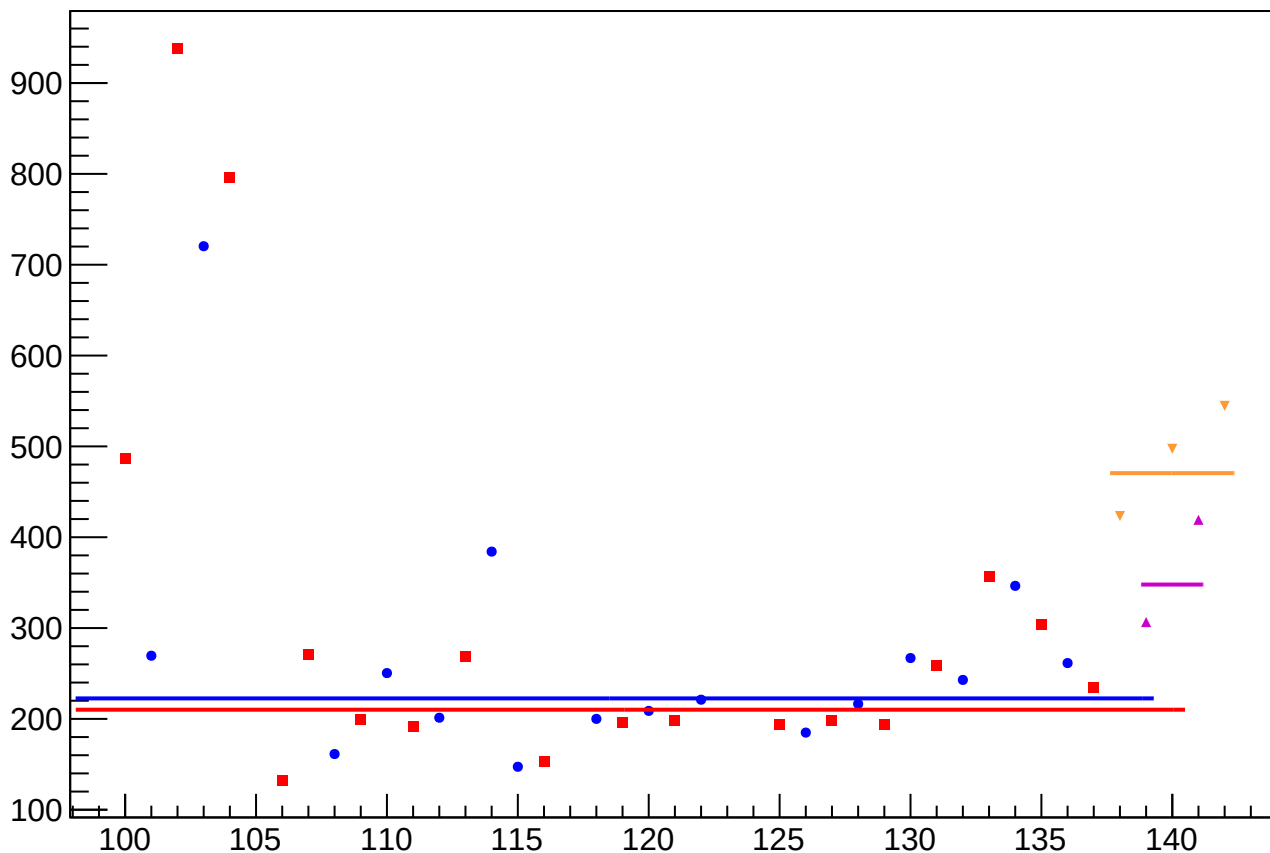
Left In: 0.162 ± 0.273 χ^2/NDF : 6.1/1

+ sign -0.021 ± 0.086 χ^2/NDF : 22.2/18

All: -0.012 ± 0.060 χ^2/NDF : 54.9/38

- sign -0.003 ± 0.083 χ^2/NDF : 32.6/19

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 222.567 $\pm$ 0.063 χ^2 /NDF: 1018760.3/15

Left Out: 470.581 $\pm$ 0.238 χ^2 /NDF: 39000.3/2

Right Out: 210.120 $\pm$ 0.062 χ^2 /NDF: 1548507.5/17

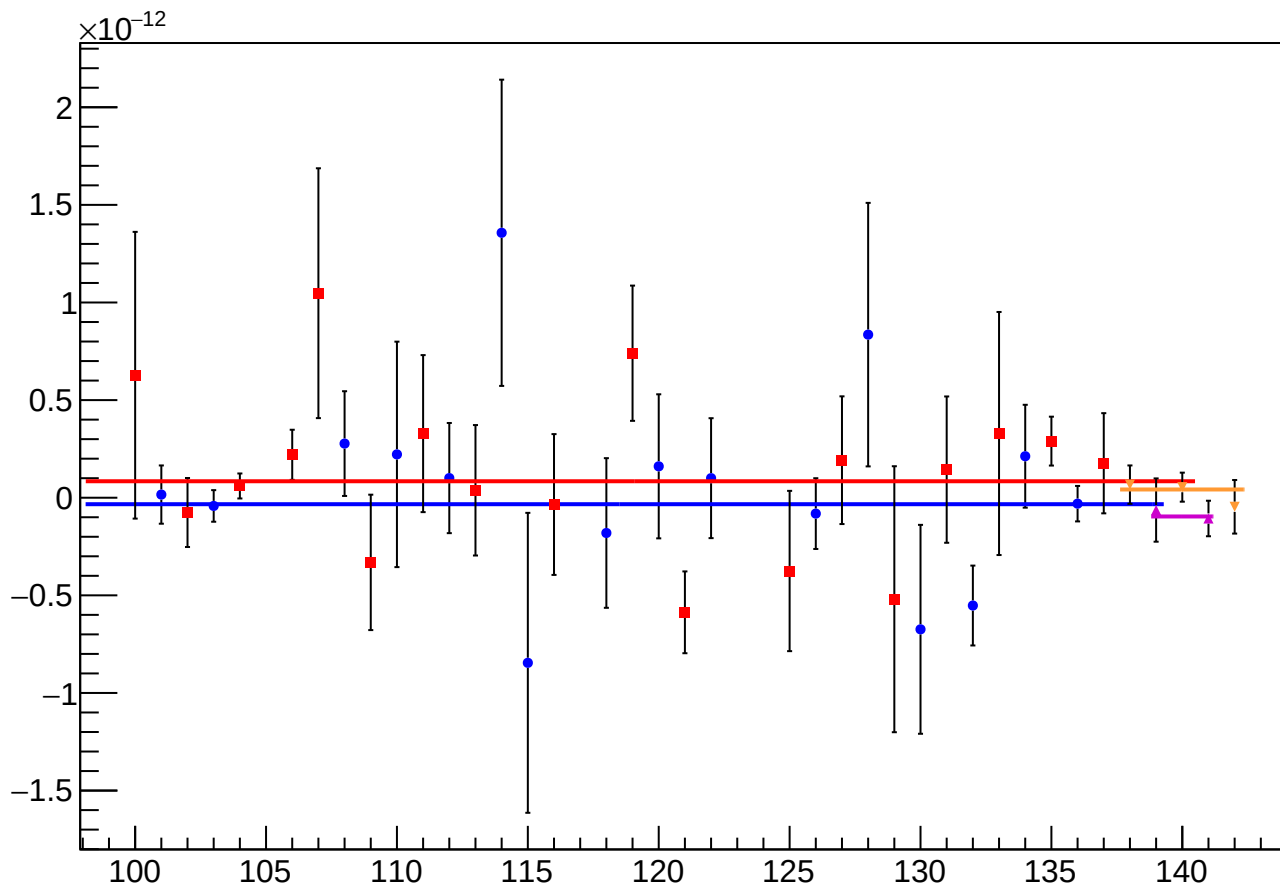
Left In: 347.902 $\pm$ 0.193 χ^2 /NDF: 79010.5/1

+ sign 238.631 $\pm$ 0.061 χ^2 /NDF: 2071537.8/18

All: 230.560 $\pm$ 0.042 χ^2 /NDF: 4195947.1/38

- sign 222.948 $\pm$ 0.059 χ^2 /NDF: 2089967.7/19

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 : 0.5/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.8/17

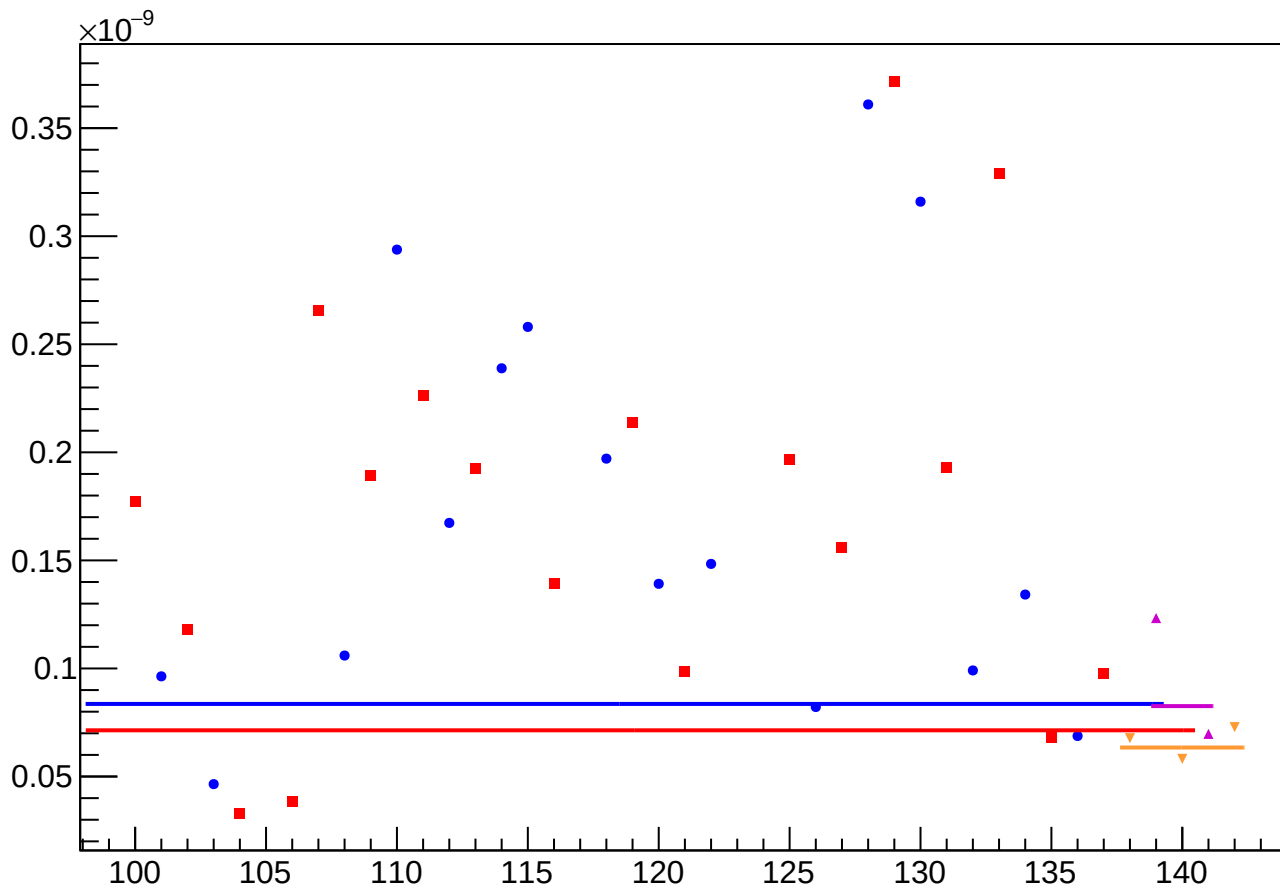
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 18.8/18

All: 0.000 ± 0.000 χ^2/NDF : 49.3/38

- sign 0.000 ± 0.000 χ^2/NDF : 29.8/19

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF :23325.5/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3745180.4/17

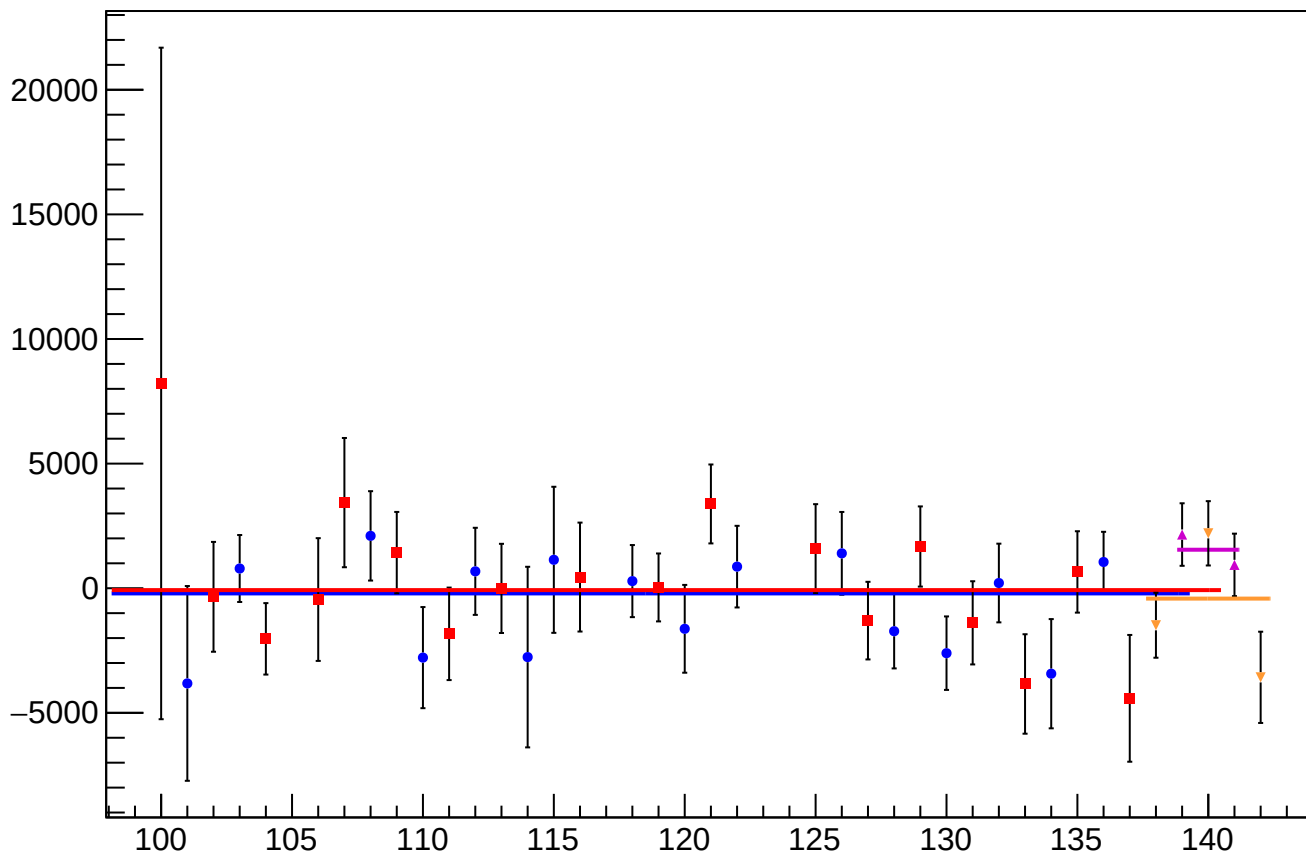
Left In: 0.000+/-0.000 χ^2/NDF :166274.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 2415881.2/18

All: 0.000+/-0.000 χ^2/NDF : 6358315.7/38

- sign 0.000+/-0.000 χ^2/NDF : 3941840.6/19

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338 ± 429.155 χ^2/NDF : 14.8/15

Left Out: -416.024 ± 819.745 χ^2/NDF : 7.8/2

Right Out: -75.616 ± 430.760 χ^2/NDF : 20.7/17

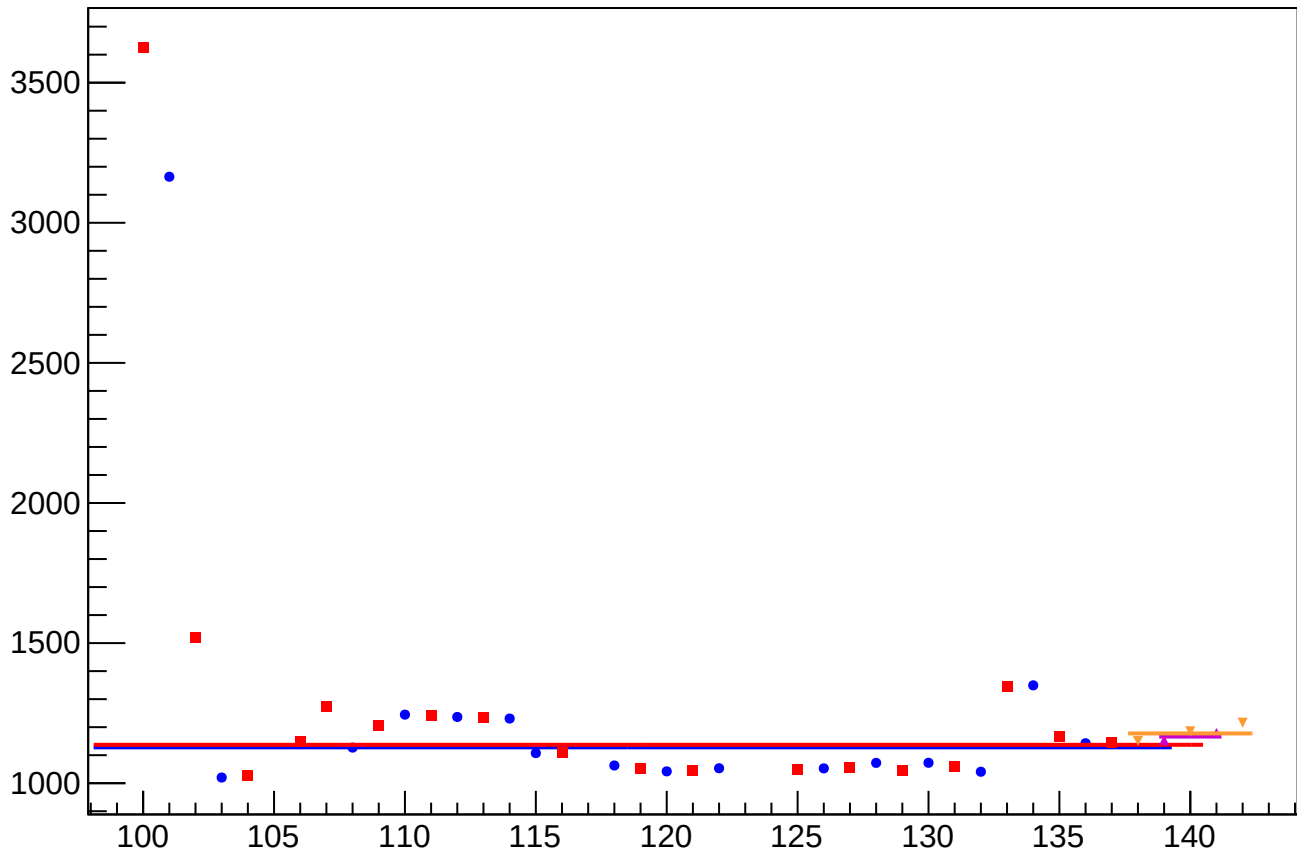
Left In: 1544.692 ± 886.721 χ^2/NDF : 0.5/1

+ sign -253.015 ± 380.204 χ^2/NDF : 22.6/18

All: -14.231 ± 271.374 χ^2/NDF : 47.2/38

- sign 233.755 ± 387.461 χ^2/NDF : 23.8/19

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: 1177.671 $\pm$ 0.580 χ^2 /NDF:1795.3/2

Right Out: 1137.041 $\pm$ 0.304 χ^2 /NDF: 220086.1/17

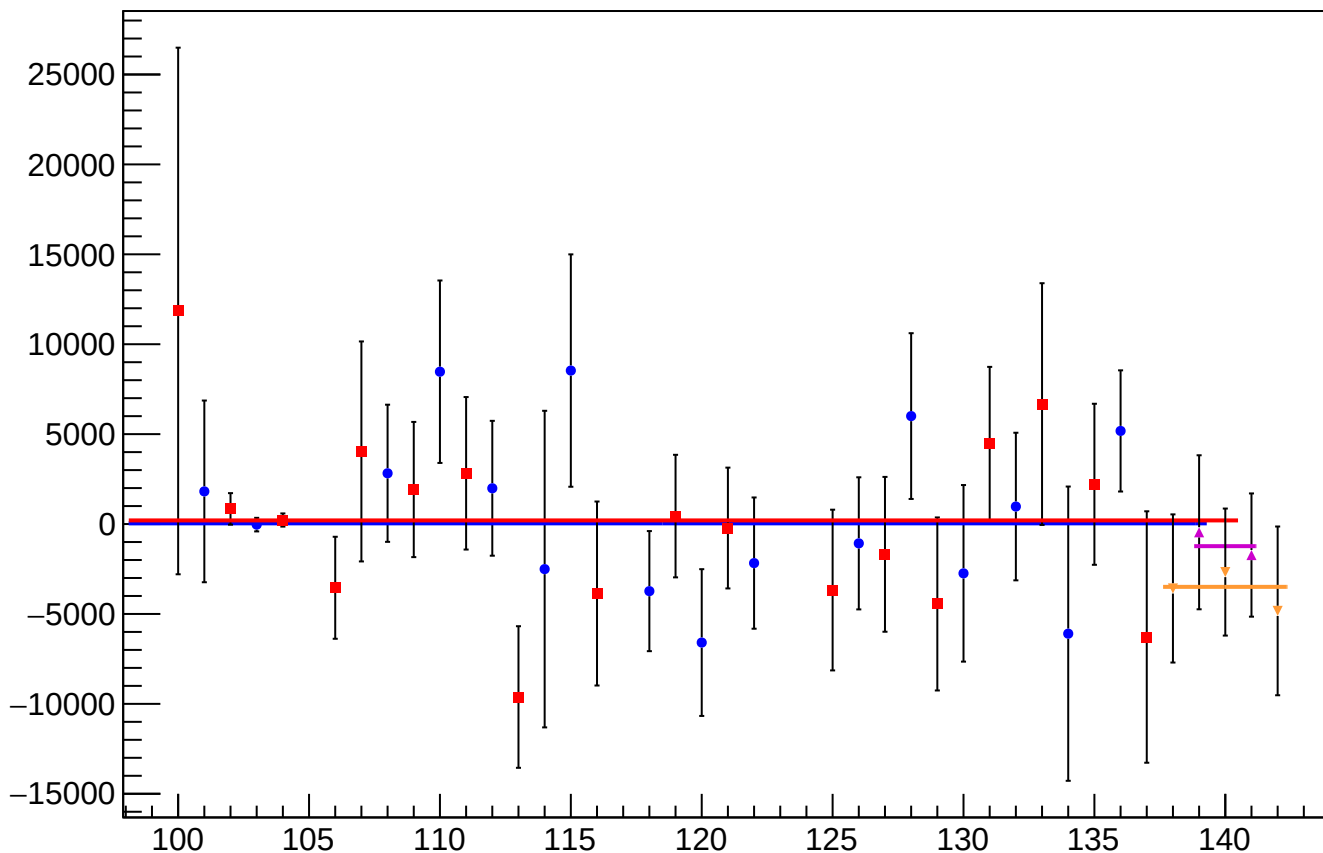
Left In: 1166.473 $\pm$ 0.627 χ^2 /NDF:423.8/1

+ sign 1138.691 $\pm$ 0.269 χ^2 /NDF: 628951.6/18

All: 1140.633 $\pm$ 0.192 χ^2 /NDF: 851351.7/38

- sign 1142.644 $\pm$ 0.274 χ^2 /NDF: 222293.8/19

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: -3493.322+/-2328.025 χ^2/NDF : 0.1/2

Right Out: 201.642+/-322.545 χ^2/NDF : 15.6/17

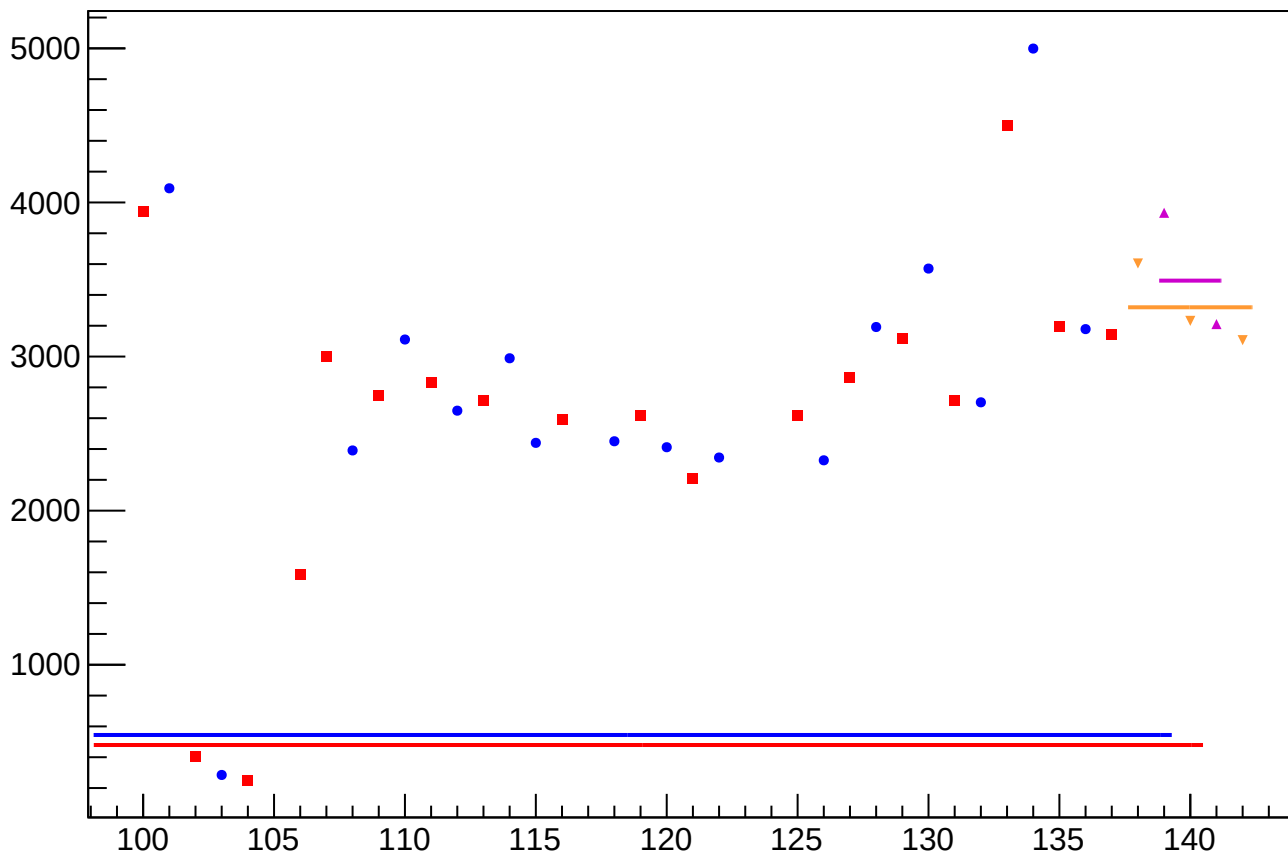
Left In: -1230.121+/-2675.516 χ^2/NDF : 0.1/1

+ sign -43.130+/-353.504 χ^2/NDF : 17.2/18

All: 80.051+/-237.329 χ^2/NDF : 33.4/38

- sign 181.131+/-320.226 χ^2/NDF : 16.0/19

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: 3319.716+/-1.646 χ^2/NDF : 14905.6/2

Right Out: 479.253+/-0.228 χ^2/NDF : 9187985.0/17

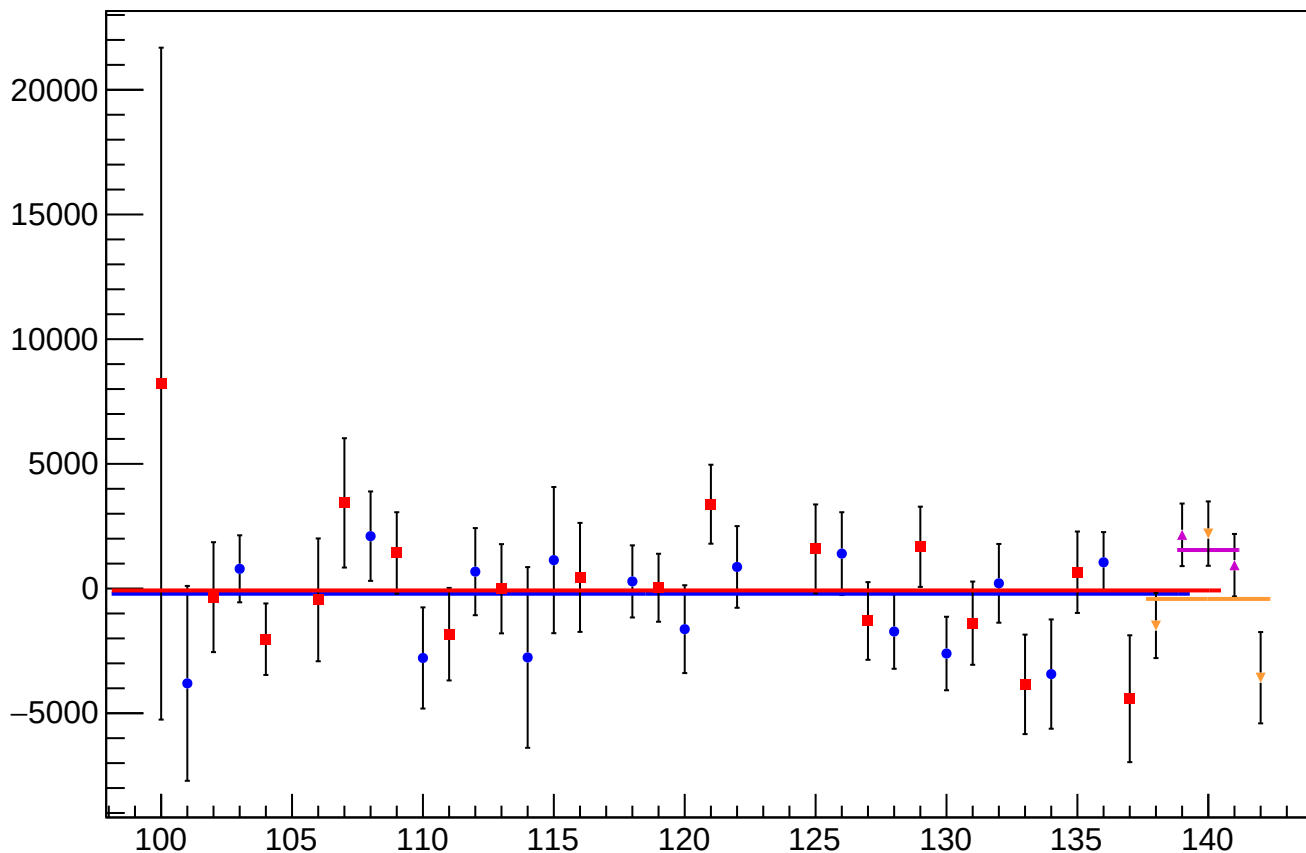
Left In: 3492.715+/-1.892 χ^2/NDF : 34682.6/1

+ sign 608.329+/-0.250 χ^2/NDF : 12474828.0/18

All: 561.142+/-0.168 χ^2/NDF : 24263180.3/39

- sign 522.421+/-0.226 χ^2/NDF : 11723473.8/19

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110 ± 429.155 χ^2/NDF : 14.8/15

Left Out: -416.068 ± 819.745 χ^2/NDF : 7.8/2

Right Out: -75.761 ± 430.760 χ^2/NDF : 20.7/17

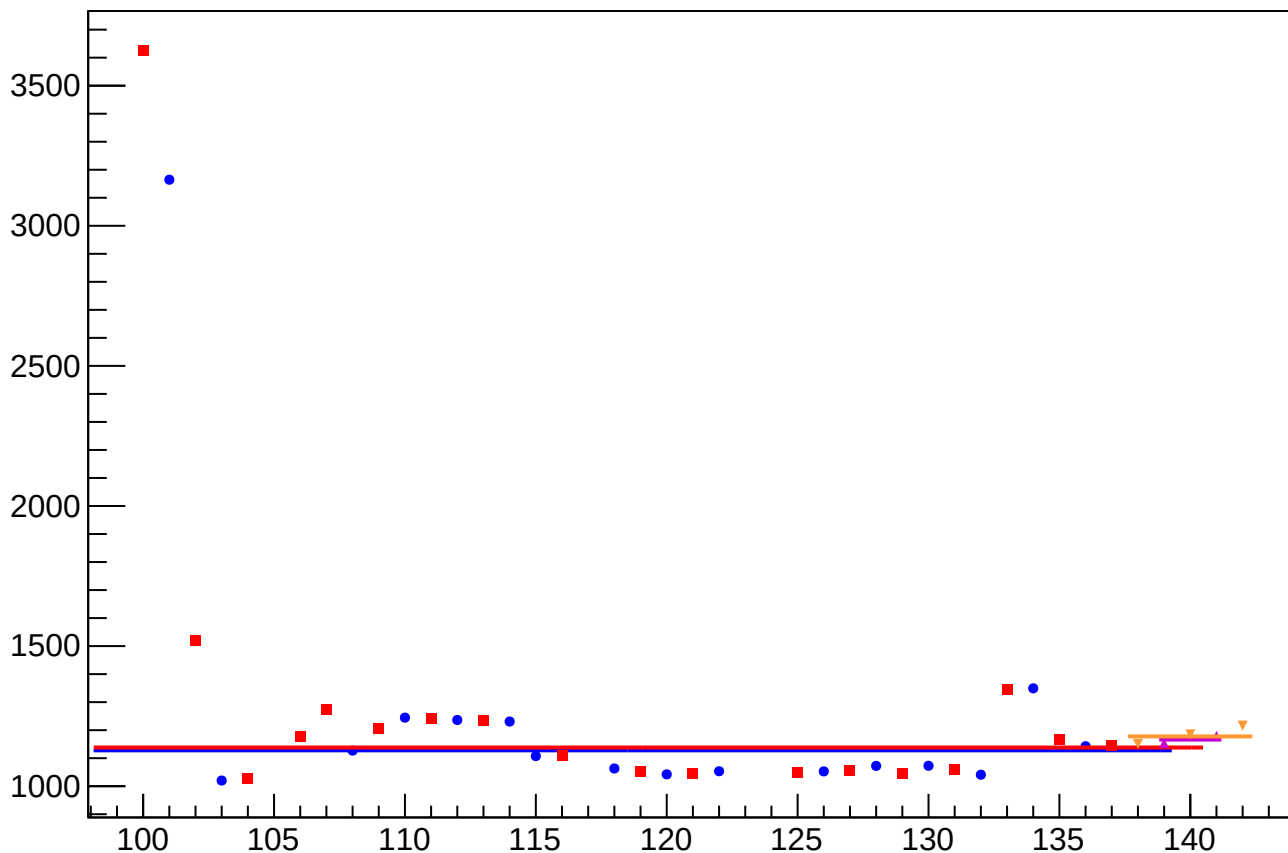
Left In: 1544.884 ± 886.721 χ^2/NDF : 0.5/1

+ sign -252.845 ± 380.204 χ^2/NDF : 22.6/18

All: -14.185 ± 271.374 χ^2/NDF : 47.2/38

- sign 233.674 ± 387.461 χ^2/NDF : 23.8/19

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: 1177.671 $\pm$ 0.580 χ^2 /NDF:1795.3/2

Right Out: 1138.000 $\pm$ 0.304 χ^2 /NDF: 220624.5/17

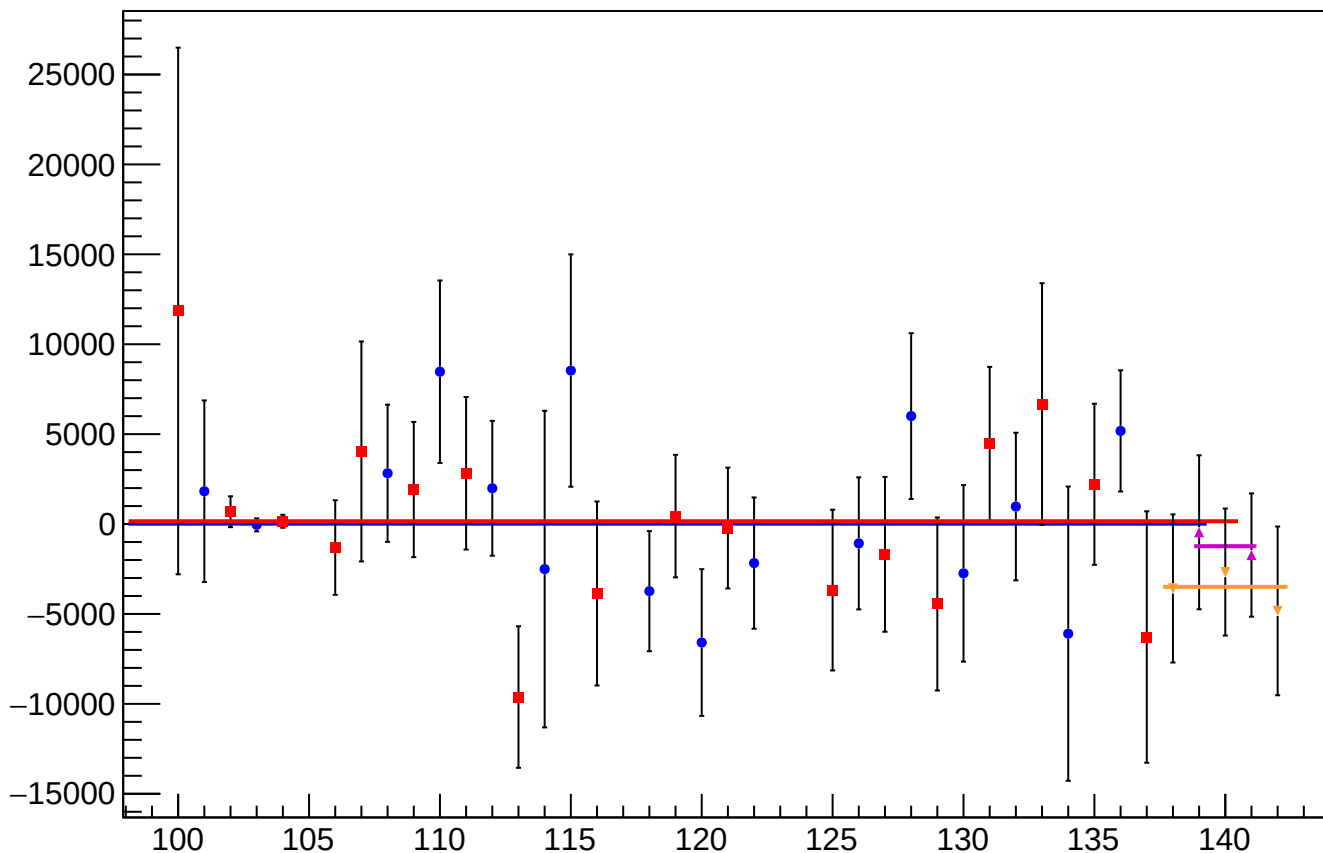
Left In: 1166.473 $\pm$ 0.627 χ^2 /NDF:423.8/1

+ sign 1138.691 $\pm$ 0.269 χ^2 /NDF: 628952.8/18

All: 1141.017 $\pm$ 0.192 χ^2 /NDF: 851822.4/38

- sign 1143.431 $\pm$ 0.274 χ^2 /NDF: 222717.0/19

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: -3493.360 $\pm$ 2328.023 χ^2 /NDF: 0.1/2

Right Out: 156.231 $\pm$ 317.367 χ^2 /NDF: 14.0/17

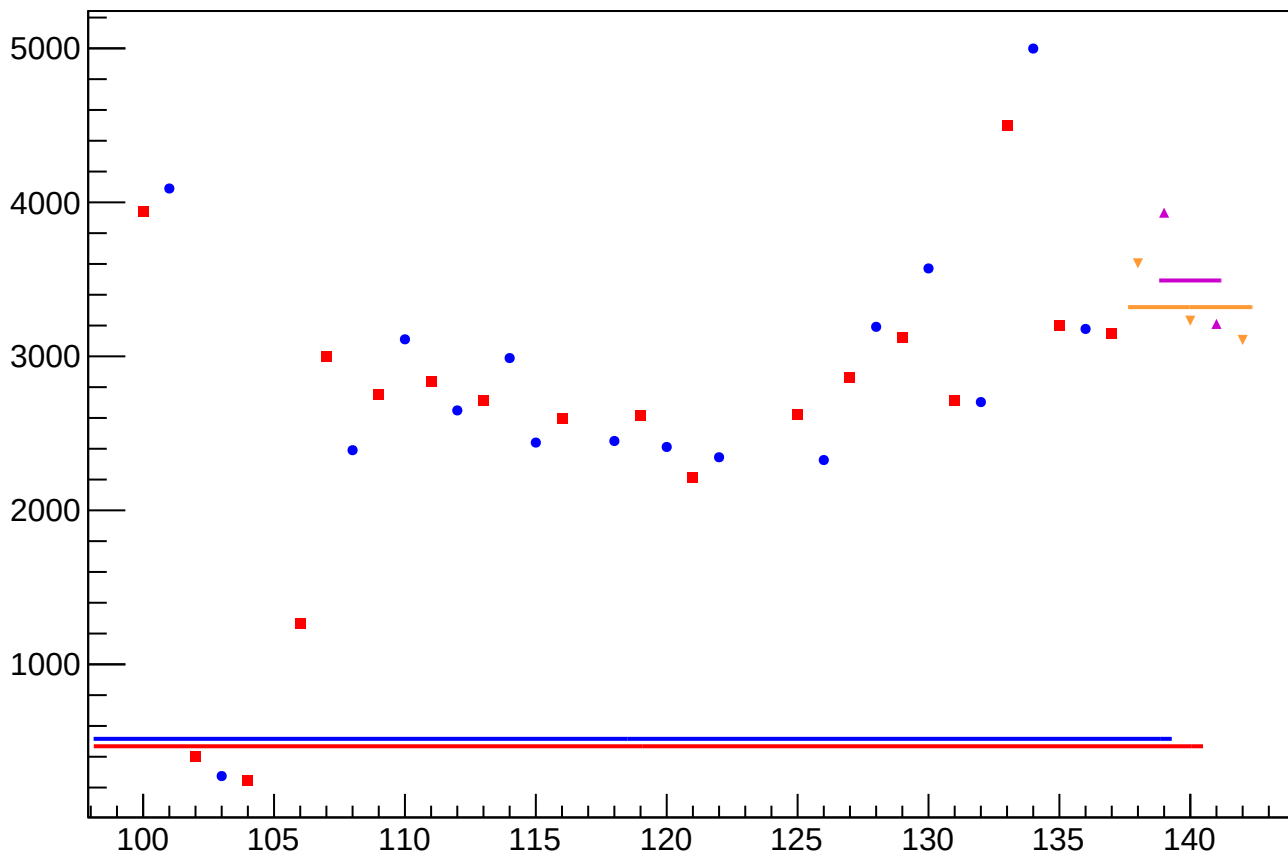
Left In: -1230.183 $\pm$ 2675.520 χ^2 /NDF: 0.1/1

+ sign -53.688 $\pm$ 340.814 χ^2 /NDF: 17.2/18

All: 49.099 $\pm$ 231.389 χ^2 /NDF: 31.7/38

- sign 136.994 $\pm$ 315.158 χ^2 /NDF: 14.3/19

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: 3319.712 $\pm$ 1.646 χ^2 /NDF: 14905.1/2

+ sign 576.379 $\pm$ 0.241 χ^2 /NDF: 12687635.1/18

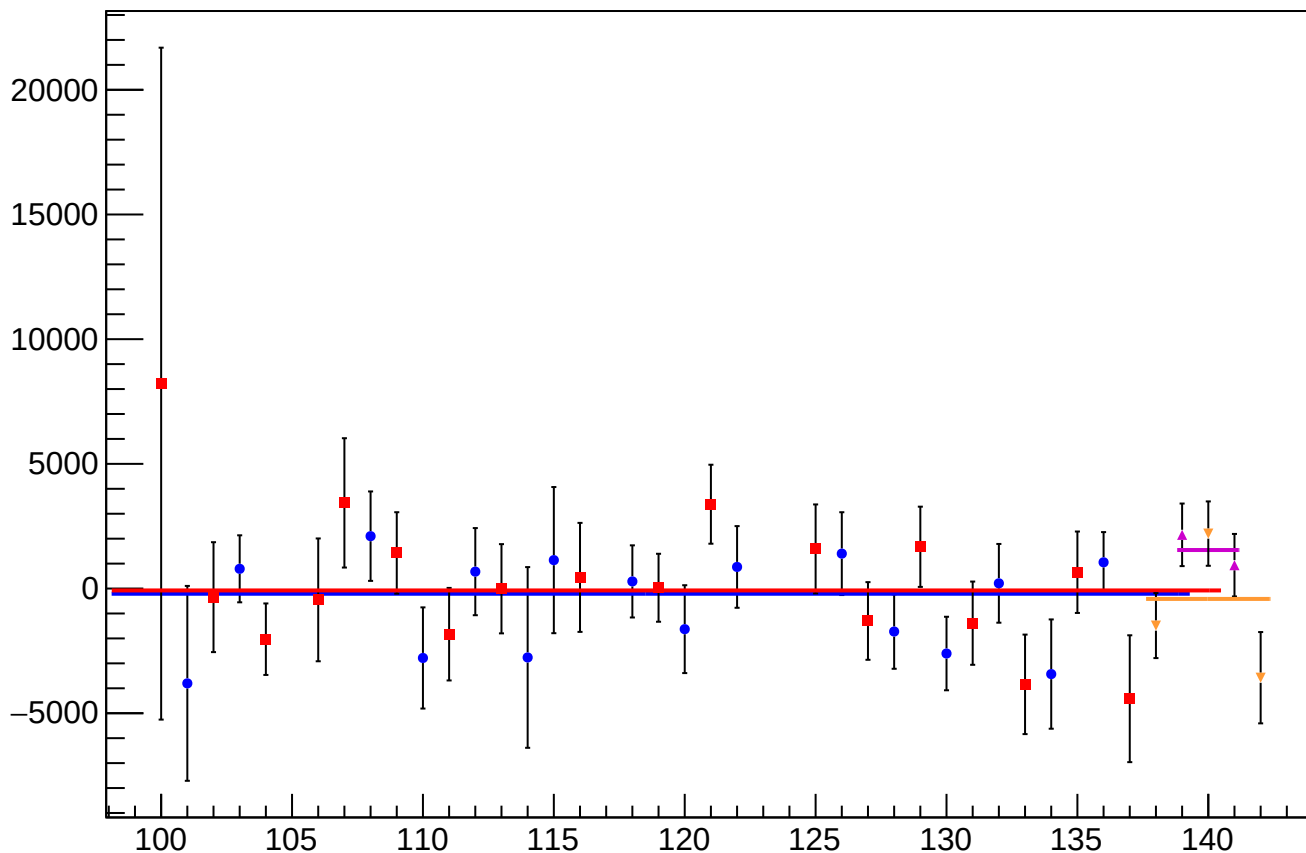
Right Out: 468.060 $\pm$ 0.224 χ^2 /NDF: 9111222.0/17

All: 540.612 $\pm$ 0.164 χ^2 /NDF: 24394971.1/38

- sign 510.027 $\pm$ 0.223 χ^2 /NDF: 11666473.1/19

Left In: 3492.720 $\pm$ 1.892 χ^2 /NDF: 34682.7/1

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: -416.068+/-819.745 χ^2/NDF : 7.8/2

Right Out: -75.761+/-430.760 χ^2/NDF : 20.7/17

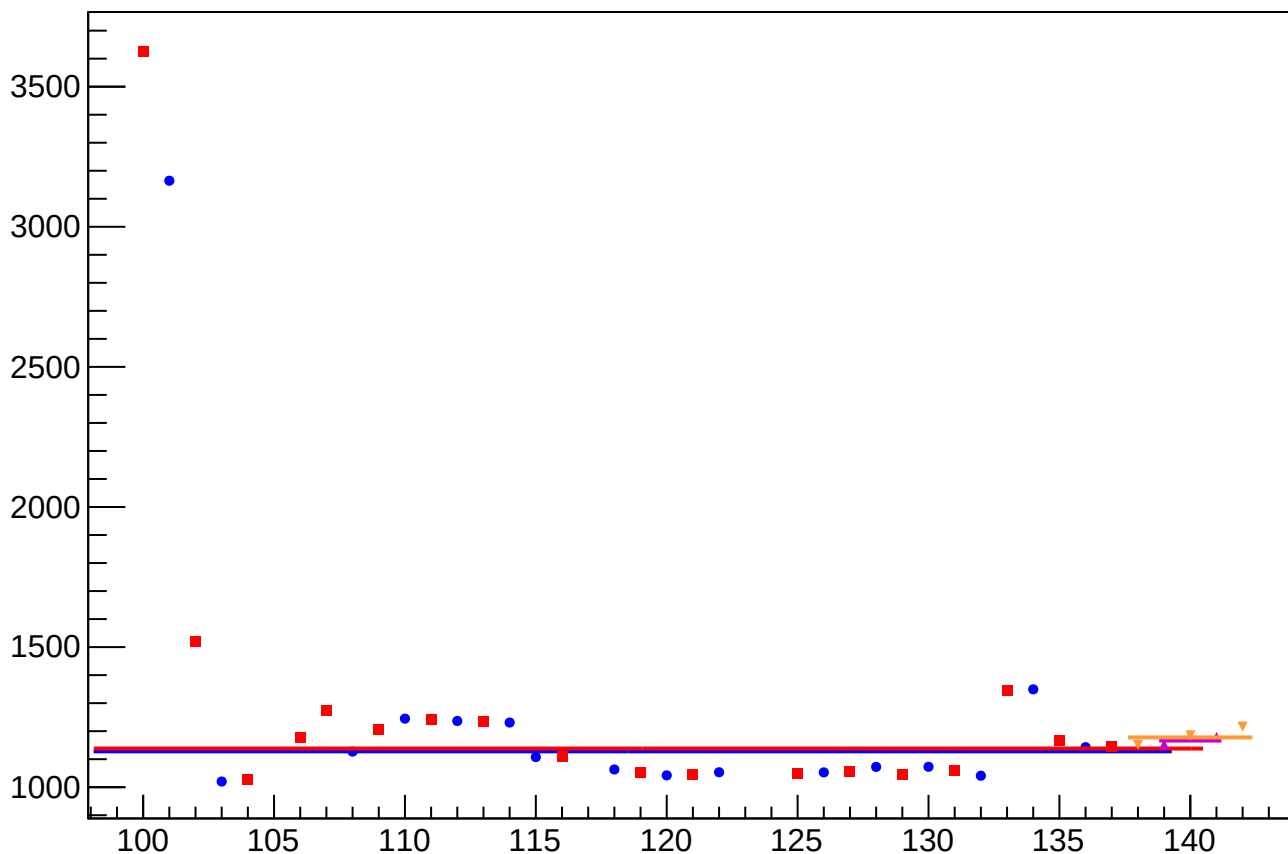
Left In: 1544.884+/-886.721 χ^2/NDF : 0.5/1

+ sign -252.845+/-380.204 χ^2/NDF : 22.6/18

All: -14.185+/-271.374 χ^2/NDF : 47.2/38

- sign 233.674+/-387.461 χ^2/NDF : 23.8/19

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: 1177.671 $\pm$ 0.580 χ^2 /NDF:1795.3/2

Right Out: 1138.000 $\pm$ 0.304 χ^2 /NDF: 220624.5/17

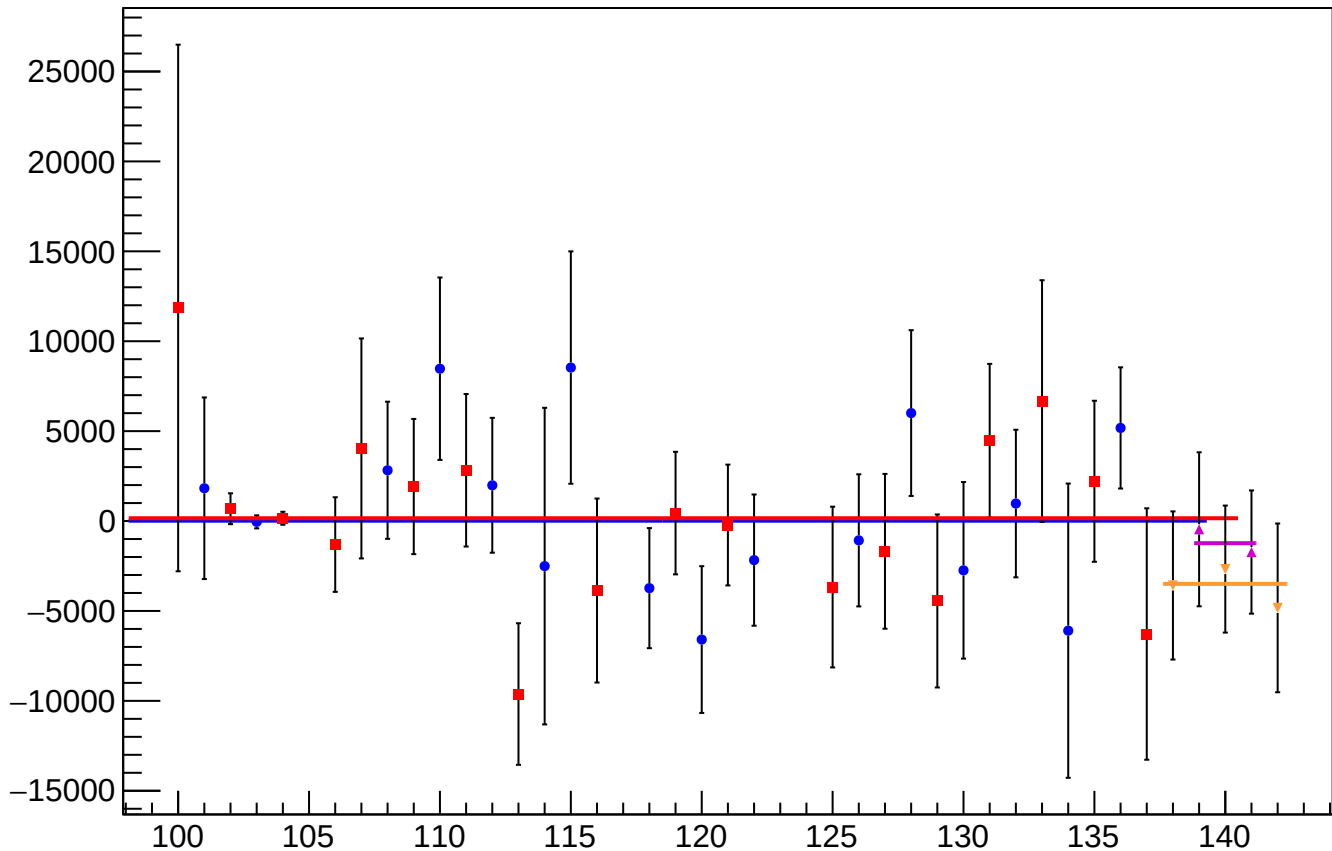
Left In: 1166.473 $\pm$ 0.627 χ^2 /NDF:423.8/1

+ sign 1138.691 $\pm$ 0.269 χ^2 /NDF: 628952.8/18

All: 1141.017 $\pm$ 0.192 χ^2 /NDF: 851822.4/38

- sign 1143.431 $\pm$ 0.274 χ^2 /NDF: 222717.0/19

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: -3493.360 $\pm$ 2328.023 χ^2 /NDF:0.1/2

Right Out: 156.231 $\pm$ 317.367 χ^2 /NDF: 14.0/17

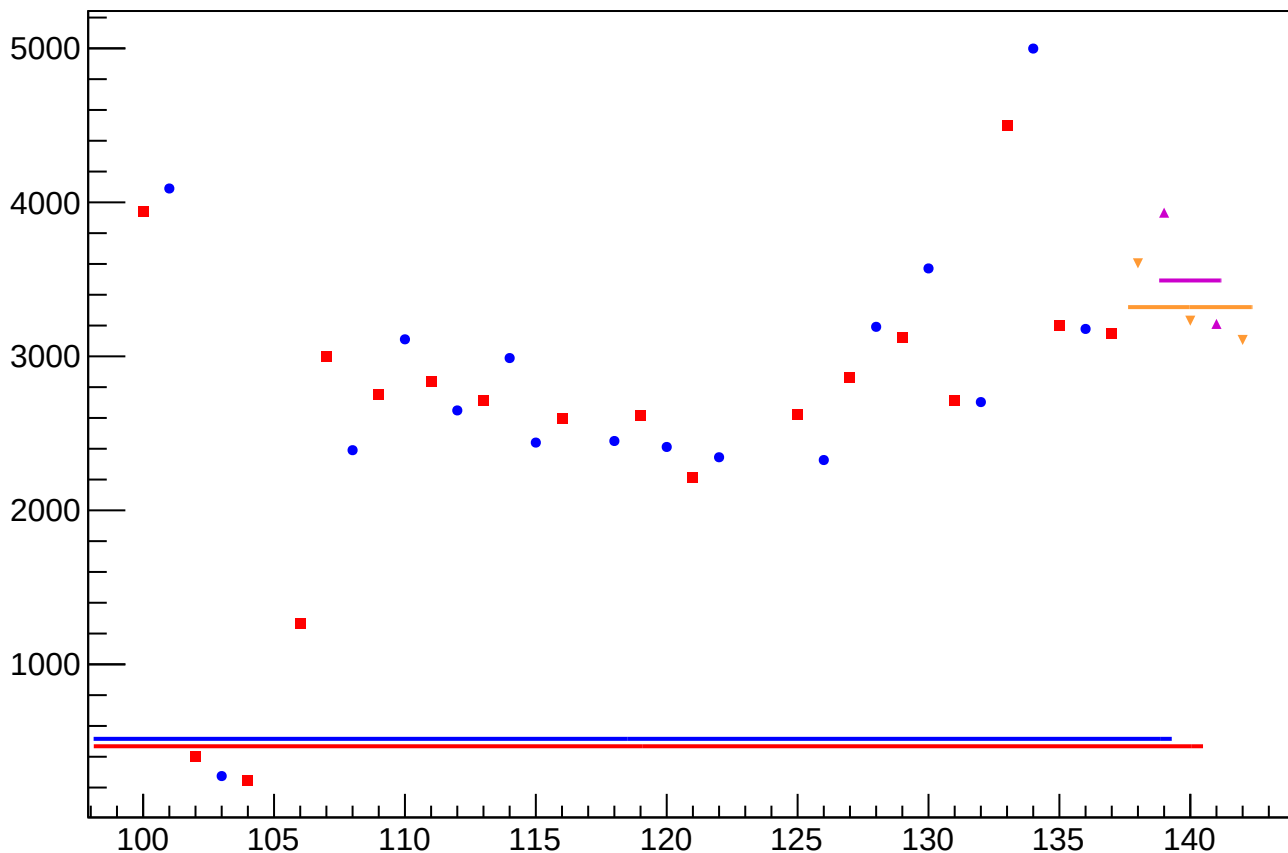
Left In: -1230.183 $\pm$ 2675.520 χ^2 /NDF:0.1/1

+ sign -53.688 $\pm$ 340.814 χ^2 /NDF: 17.2/18

All: 49.099 $\pm$ 231.389 χ^2 /NDF: 31.7/38

- sign 136.994 $\pm$ 315.158 χ^2 /NDF: 14.3/19

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 516.297 $\pm$ 0.244 χ^2 /NDF: 9834669.6/15

Left Out: 3319.712 $\pm$ 1.646 χ^2 /NDF:14905.1/2

Right Out: 468.060 $\pm$ 0.224 χ^2 /NDF: 9111222.0/17

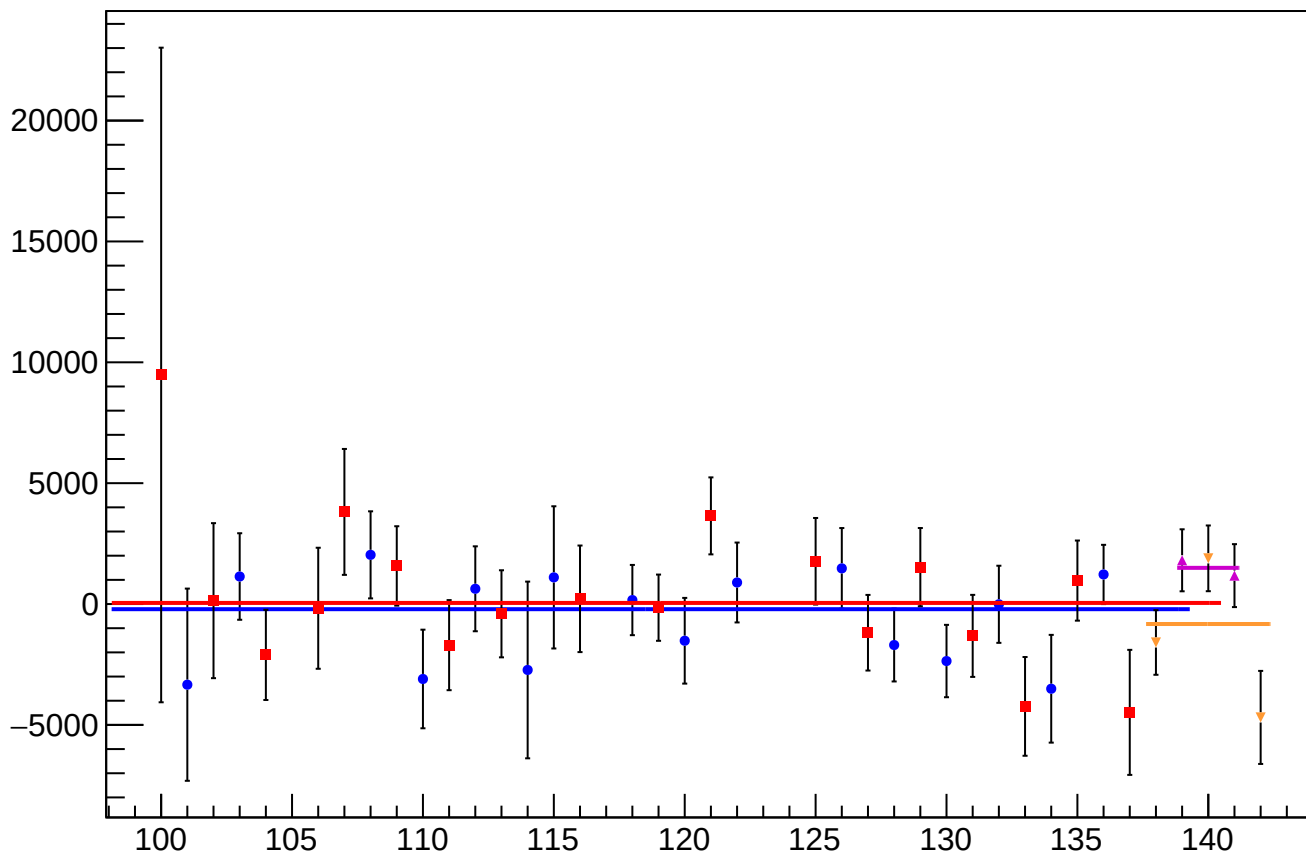
Left In: 3492.720 $\pm$ 1.892 χ^2 /NDF:34682.7/1

+ sign 576.379 $\pm$ 0.241 χ^2 /NDF: 12687635.1/18

All: 540.612 $\pm$ 0.164 χ^2 /NDF: 24394971.1/38

- sign 510.027 $\pm$ 0.223 χ^2 /NDF: 11666473.1/19

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079 ± 442.684 $\chi^2/\text{NDF}: 14.3/15$

Left Out: -826.280 ± 854.385 $\chi^2/\text{NDF}: 8.3/2$

Right Out: 45.535 ± 447.221 $\chi^2/\text{NDF}: 21.7/17$

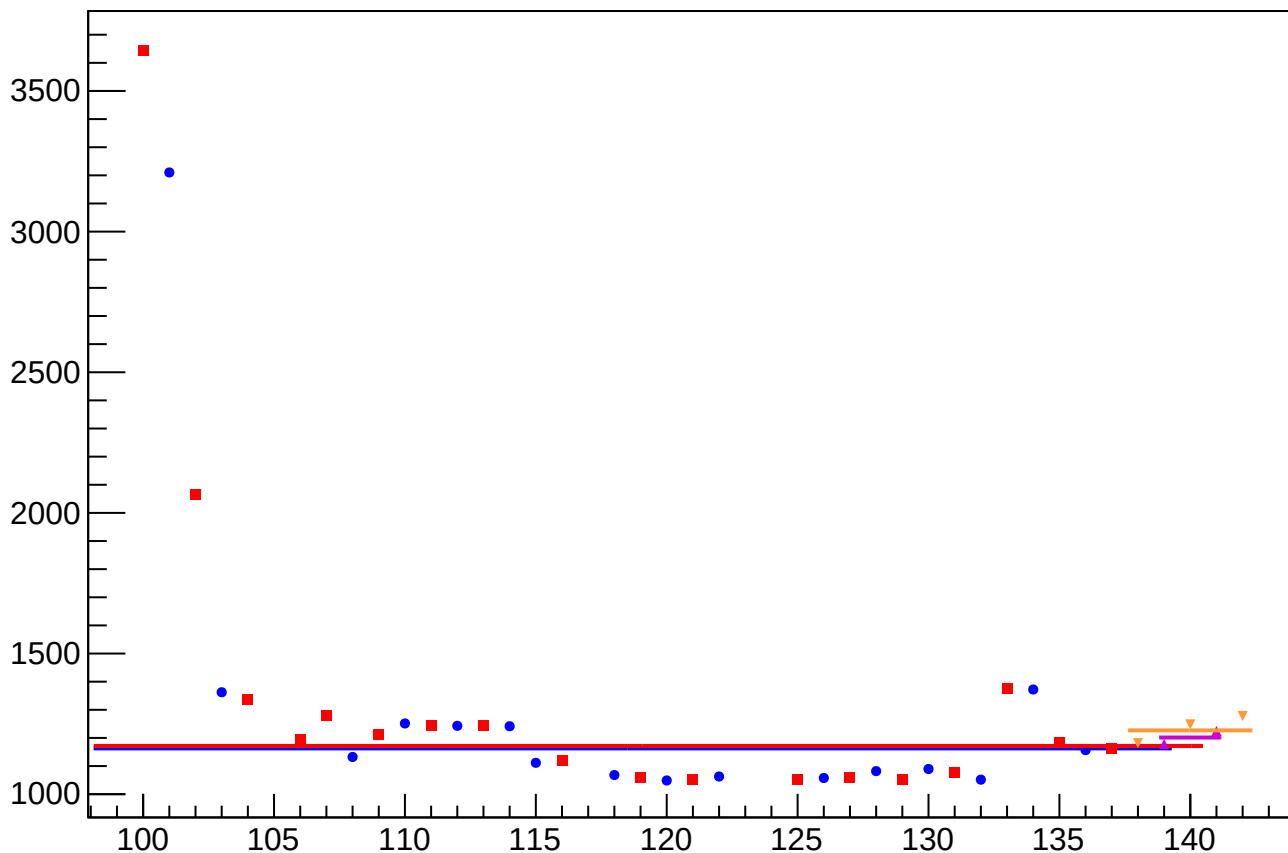
Left In: 1497.252 ± 913.669 $\chi^2/\text{NDF}: 0.1/1$

+ sign -342.859 ± 393.057 $\chi^2/\text{NDF}: 23.1/18$

All: -15.627 ± 280.933 $\chi^2/\text{NDF}: 48.3/38$

- sign 326.124 ± 401.683 $\chi^2/\text{NDF}: 23.8/19$

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF : 635353.4/15

Left Out: 1226.798+/-0.604 χ^2/NDF : 4223.3/2

Right Out: 1171.420+/-0.316 χ^2/NDF : 331640.8/17

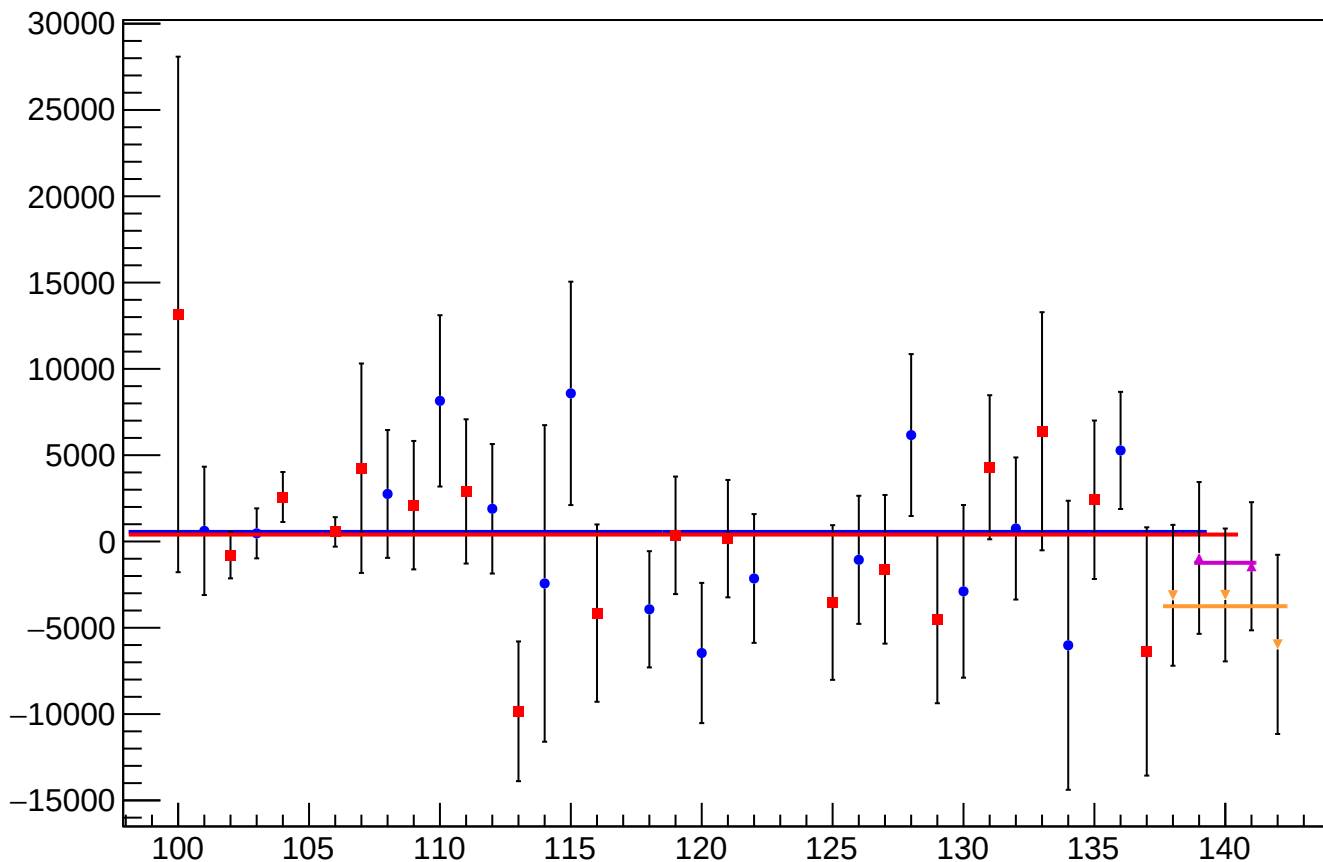
Left In: 1201.450+/-0.646 χ^2/NDF : 1282.0/1

+ sign 1176.385+/-0.278 χ^2/NDF : 648409.2/18

All: 1176.794+/-0.199 χ^2/NDF : 983079.7/38

- sign 1177.220+/-0.284 χ^2/NDF : 334666.1/19

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: -3751.017 $\pm$ 2464.341 χ^2 /NDF:0.2/2

Right Out: 400.432 $\pm$ 565.871 χ^2 /NDF: 16.7/17

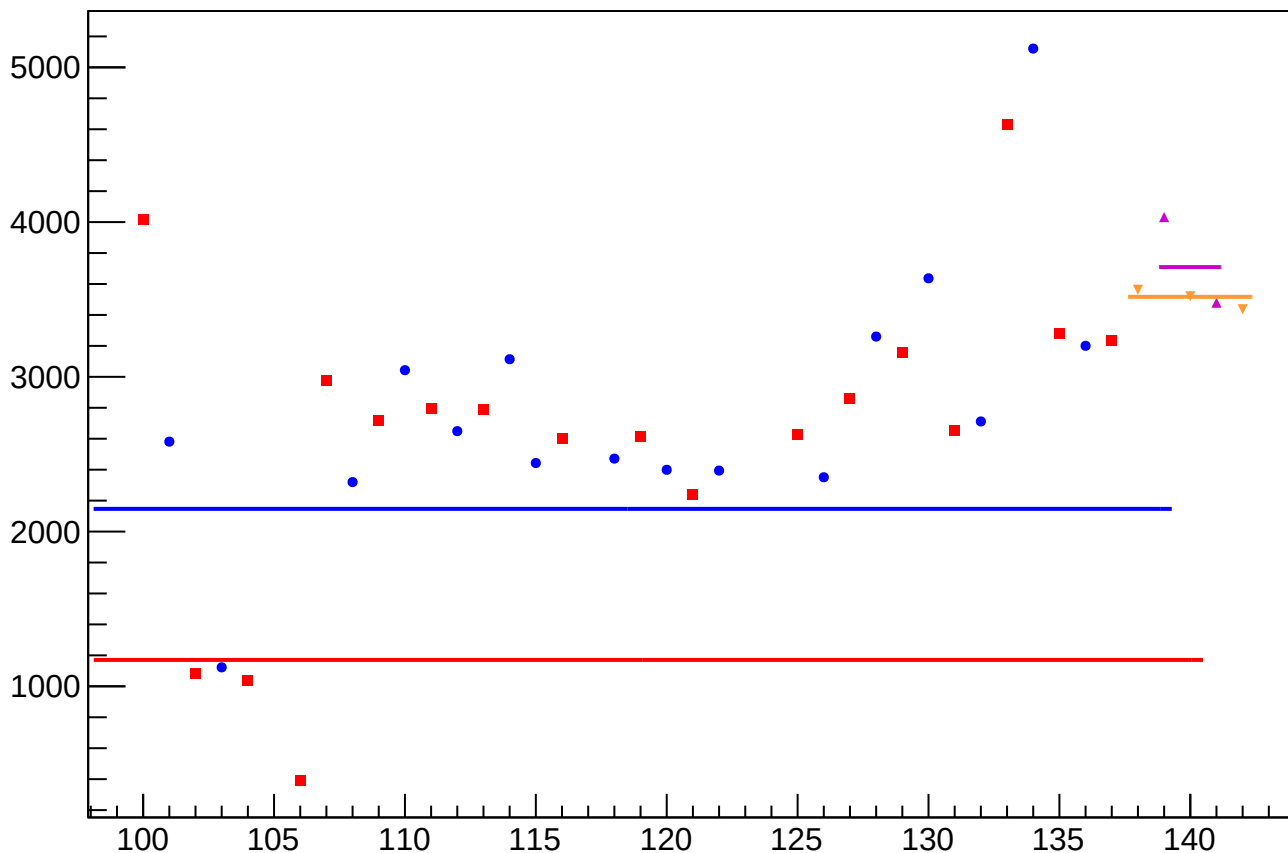
Left In: -1234.778 $\pm$ 2836.827 χ^2 /NDF:0.0/1

+ sign 71.562 $\pm$ 823.836 χ^2 /NDF: 17.3/18

All: 254.741 $\pm$ 460.258 χ^2 /NDF: 34.4/38

- sign 337.858 $\pm$ 554.938 χ^2 /NDF: 17.0/19

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: 3517.098+/-1.743 χ^2/NDF : 731.7/2

Right Out: 1170.573+/-0.400 χ^2/NDF : 5817478.8/17

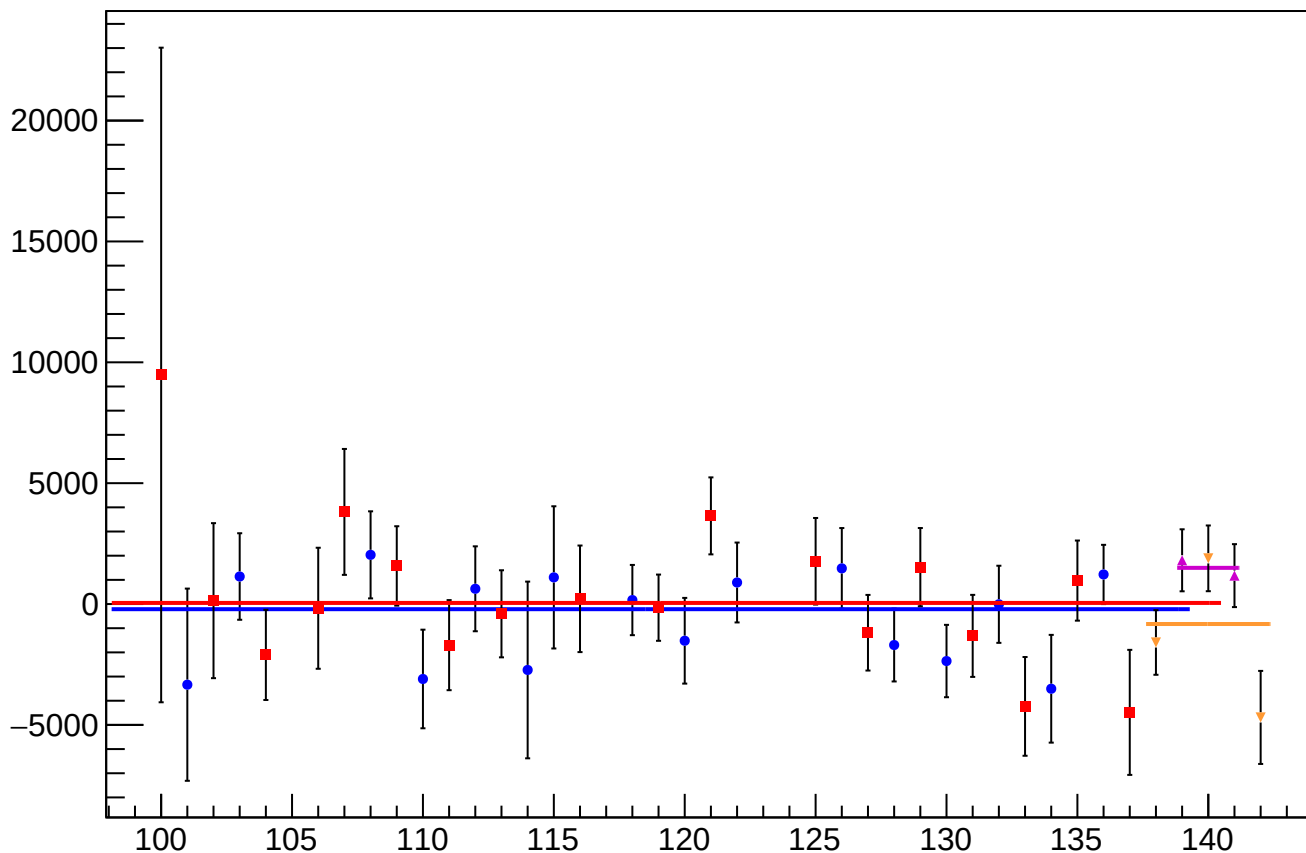
Left In: 3709.382+/-2.006 χ^2/NDF : 18479.1/1

+ sign 2299.779+/-0.583 χ^2/NDF : 2524877.7/18

All: 1589.850+/-0.325 χ^2/NDF : 12060462.0/3

- sign 1267.726+/-0.392 χ^2/NDF : 7376518.6/19

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: -826.290 ± 854.385 χ^2/NDF : 8.3/2

Right Out: 45.539 ± 447.221 χ^2/NDF : 21.7/17

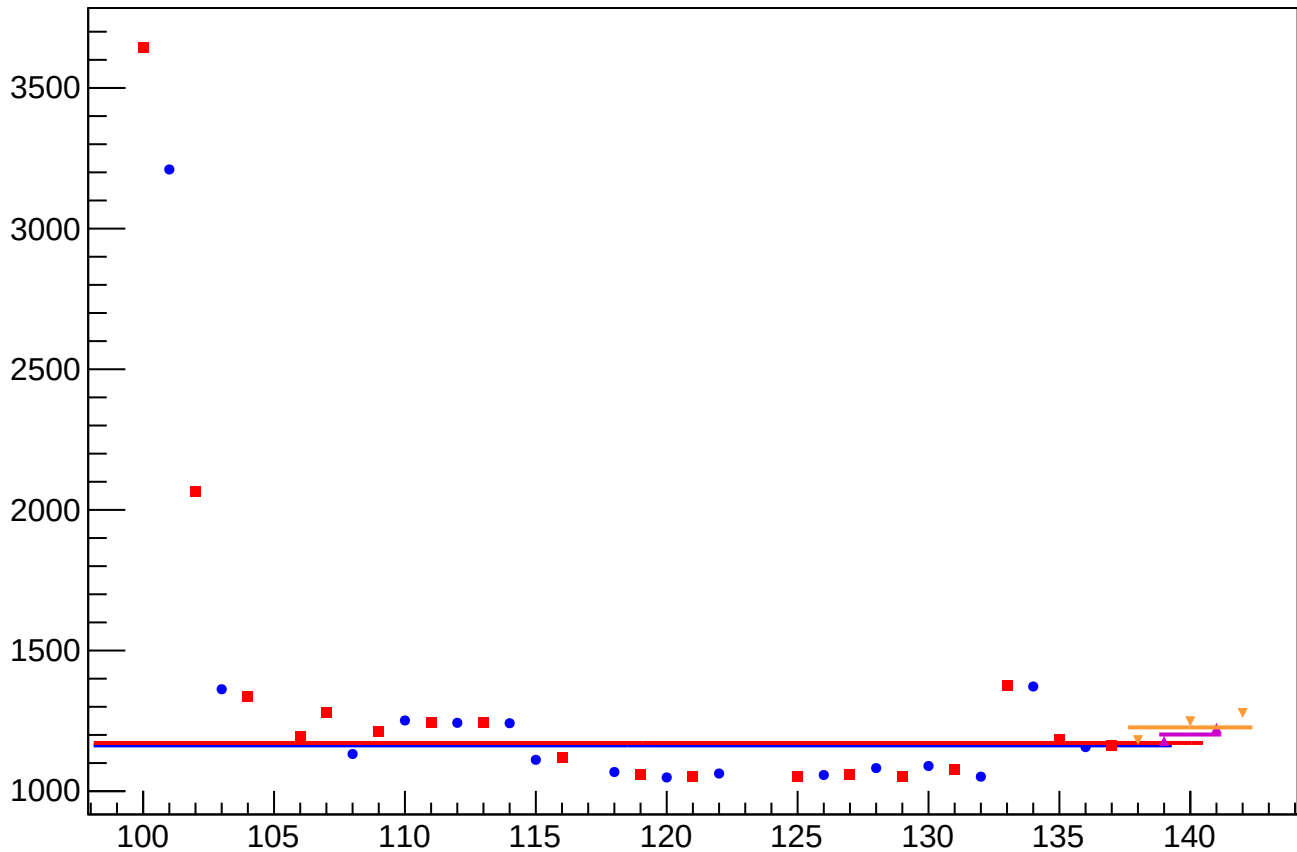
Left In: 1497.241 ± 913.669 χ^2/NDF : 0.1/1

+ sign -342.863 ± 393.057 χ^2/NDF : 23.1/18

All: -15.629 ± 280.933 χ^2/NDF : 48.3/38

- sign 326.124 ± 401.683 χ^2/NDF : 23.8/19

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF : 635353.6/15

Left Out: 1226.799+/-0.604 χ^2/NDF : 4223.4/2

Right Out: 1171.420+/-0.316 χ^2/NDF : 331640.4/17

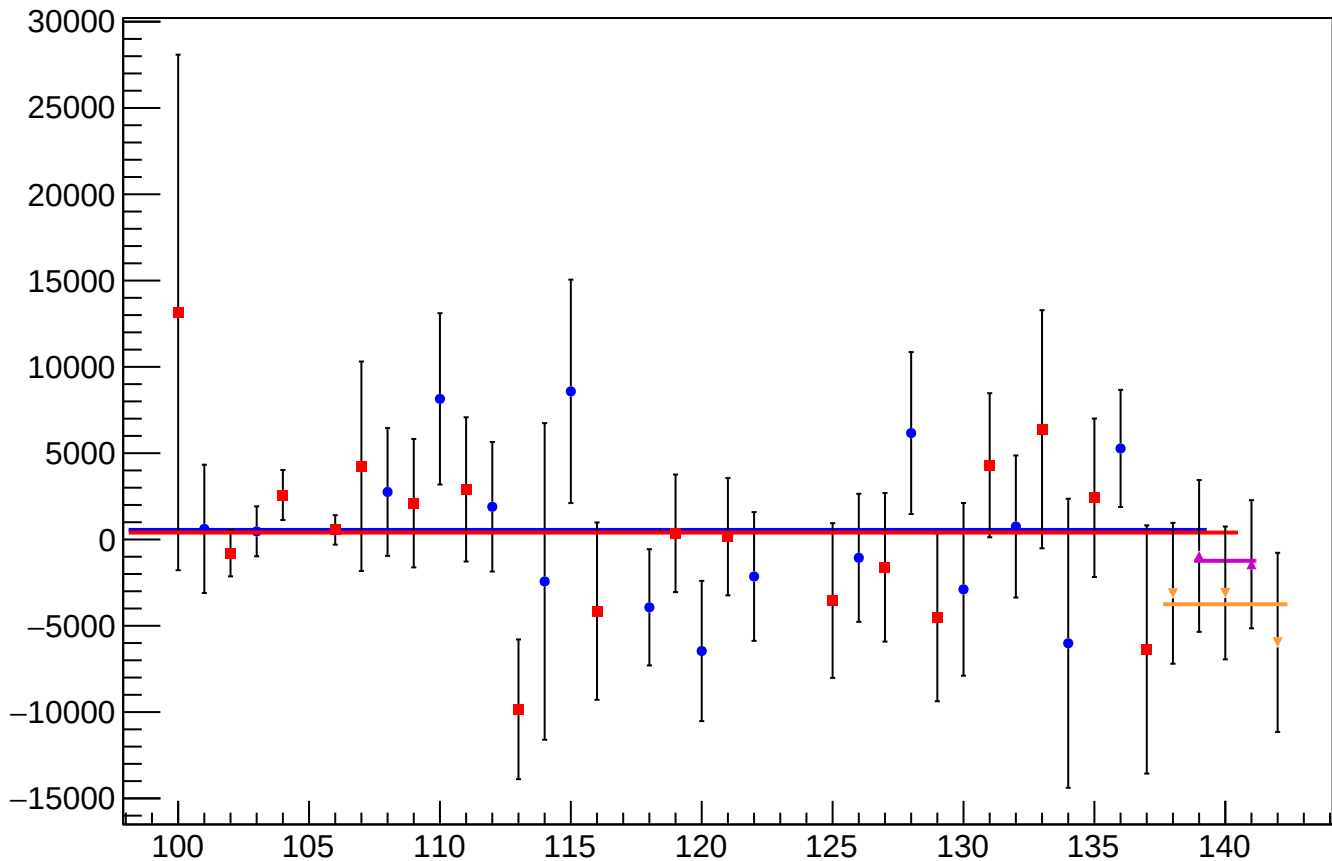
Left In: 1201.451+/-0.646 χ^2/NDF : 1282.0/1

+ sign 1176.385+/-0.278 χ^2/NDF : 648409.6/18

All: 1176.794+/-0.199 χ^2/NDF : 983079.7/38

- sign 1177.220+/-0.284 χ^2/NDF : 334665.8/19

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: -3751.031 $\pm$ 2464.344 χ^2 /NDF:0.2/2

Right Out: 400.433 $\pm$ 565.864 χ^2 /NDF: 16.7/17

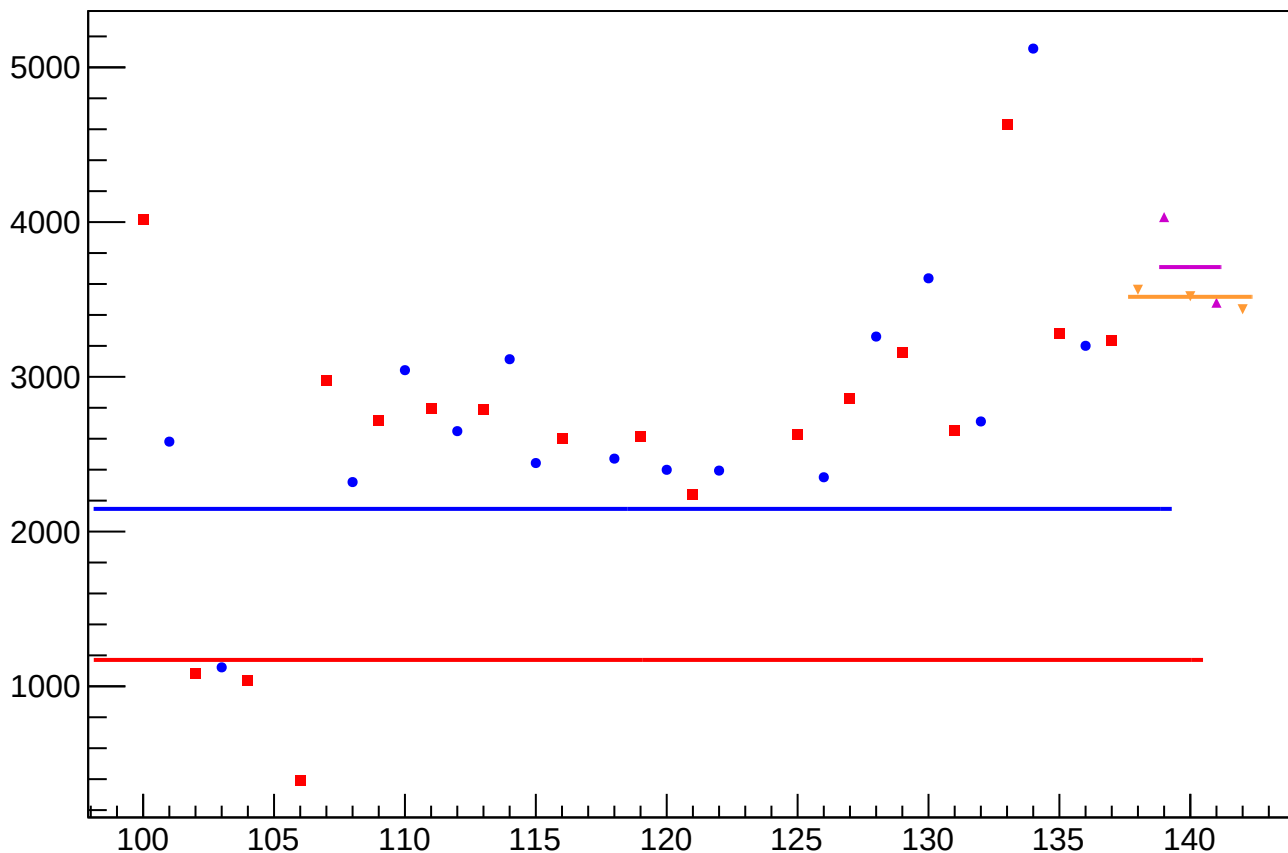
Left In: -1234.788 $\pm$ 2836.830 χ^2 /NDF:0.0/1

+ sign 71.557 $\pm$ 823.835 χ^2 /NDF: 17.3/18

All: 254.743 $\pm$ 460.254 χ^2 /NDF: 34.4/38

- sign 337.860 $\pm$ 554.932 χ^2 /NDF: 17.0/19

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 2146.613 $\pm$ 0.618 χ^2/NDF : 1974719.3/15

Left Out: 3517.103 $\pm$ 1.743 χ^2/NDF : 731.7/2

Right Out: 1170.550 $\pm$ 0.400 χ^2/NDF : 5817605.6/17

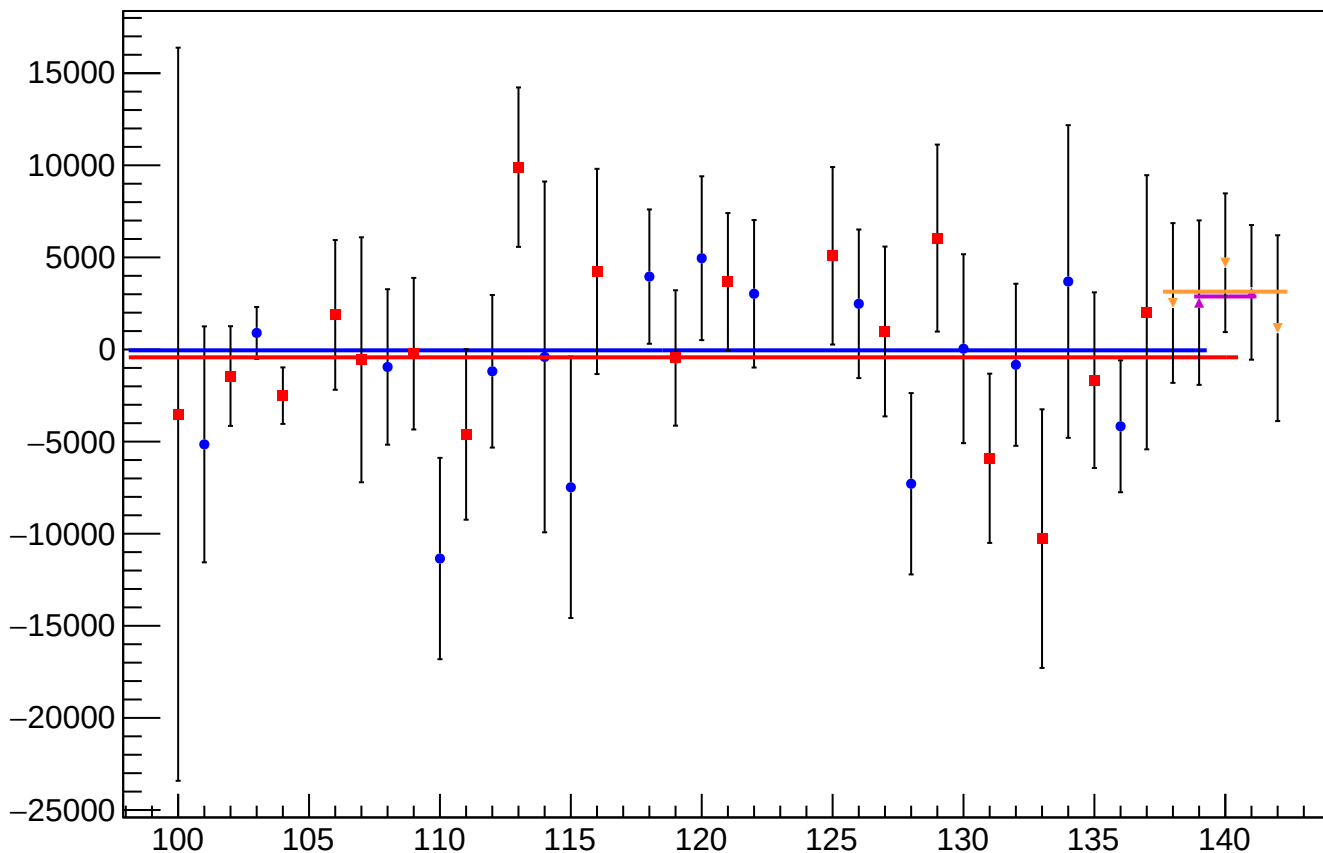
Left In: 3709.386 $\pm$ 2.006 χ^2/NDF : 18479.7/1

+ sign 2299.776 $\pm$ 0.583 χ^2/NDF : 2524878.6/18

All: 1589.827 $\pm$ 0.325 χ^2/NDF : 12060730.6/3

- sign 1267.701 $\pm$ 0.392 χ^2/NDF : 7376676.9/19

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874 ± 920.736 χ^2/NDF : 13.7/15

Left Out: 3141.316 ± 2476.723 χ^2/NDF : 0.3/2

Right Out: -423.476 ± 896.736 χ^2/NDF : 17.3/17

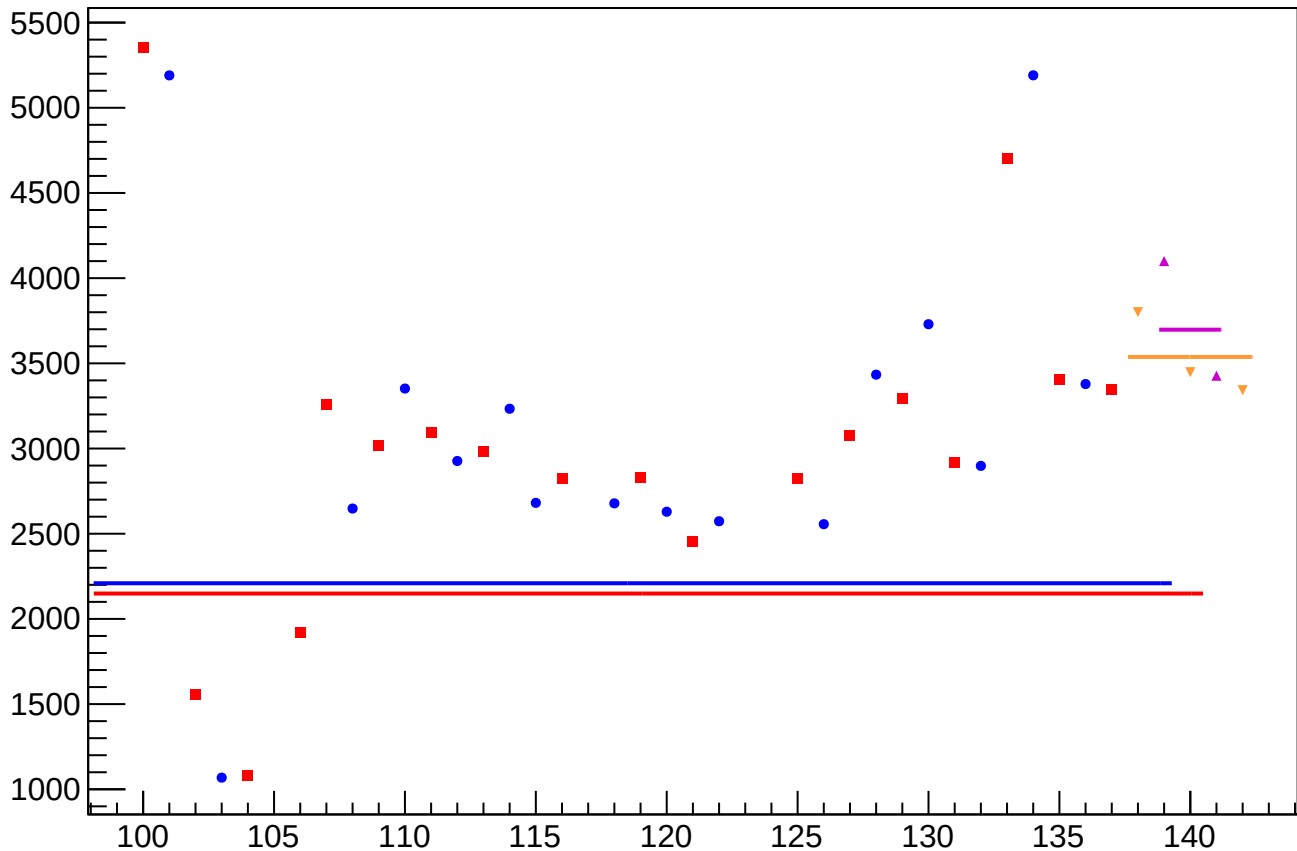
Left In: 2878.448 ± 2827.826 χ^2/NDF : 0.0/1

+ sign 341.998 ± 863.029 χ^2/NDF : 15.6/18

All: 107.886 ± 607.319 χ^2/NDF : 34.3/38

- sign -121.775 ± 854.786 χ^2/NDF : 18.6/19

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF : 2836875.7/15

Left Out: 3537.441+/-1.751 χ^2/NDF : 11482.5/2

Right Out: 2148.948+/-0.633 χ^2/NDF : 2269660.8/17

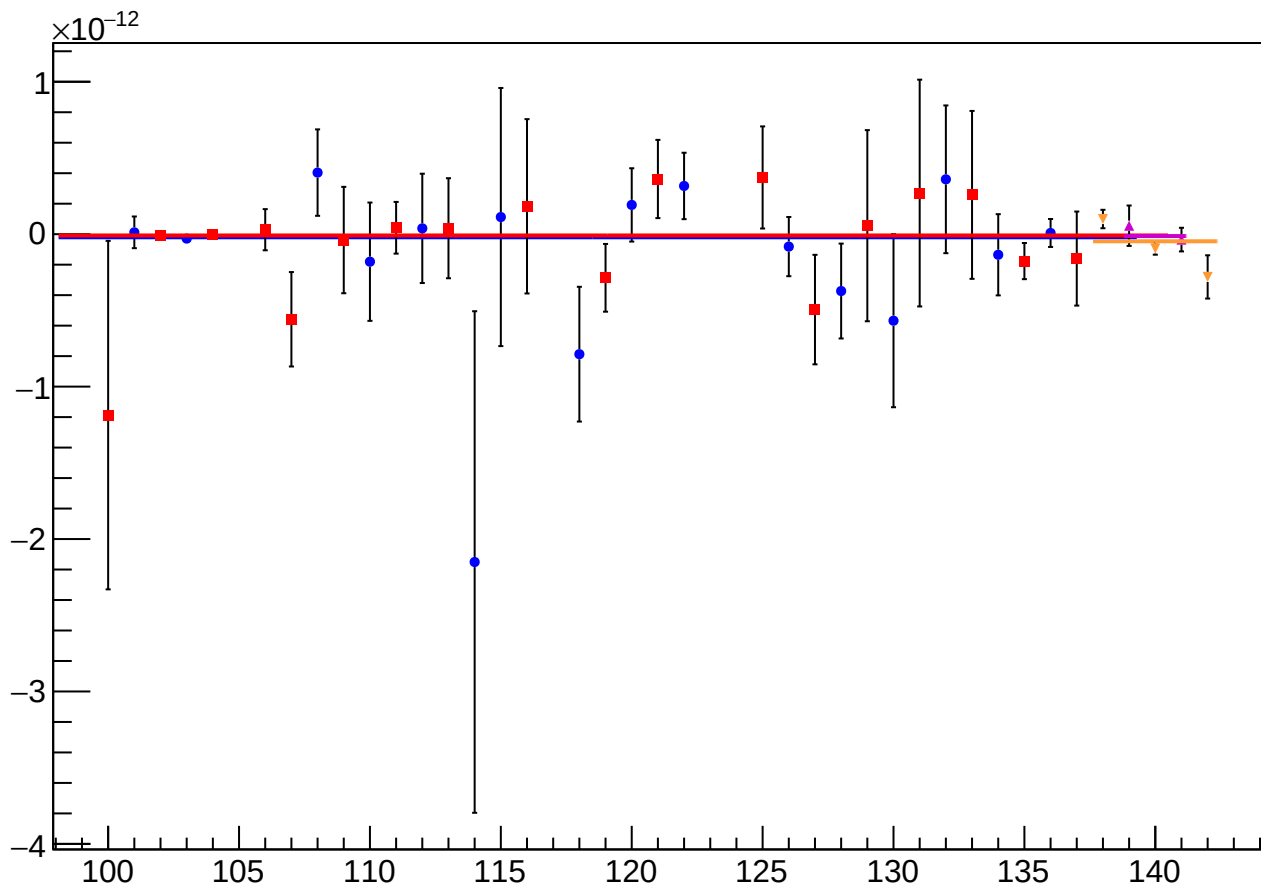
Left In: 3697.570+/-2.000 χ^2/NDF : 27221.7/1

+ sign 2370.608+/-0.610 χ^2/NDF : 3353615.3/18

All: 2329.745+/-0.429 χ^2/NDF : 6204605.7/38

- sign 2289.833+/-0.603 χ^2/NDF : 2842127.5/19

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF : 9.9/2

Right Out: -0.000+/-0.000 χ^2/NDF : 14.0/17

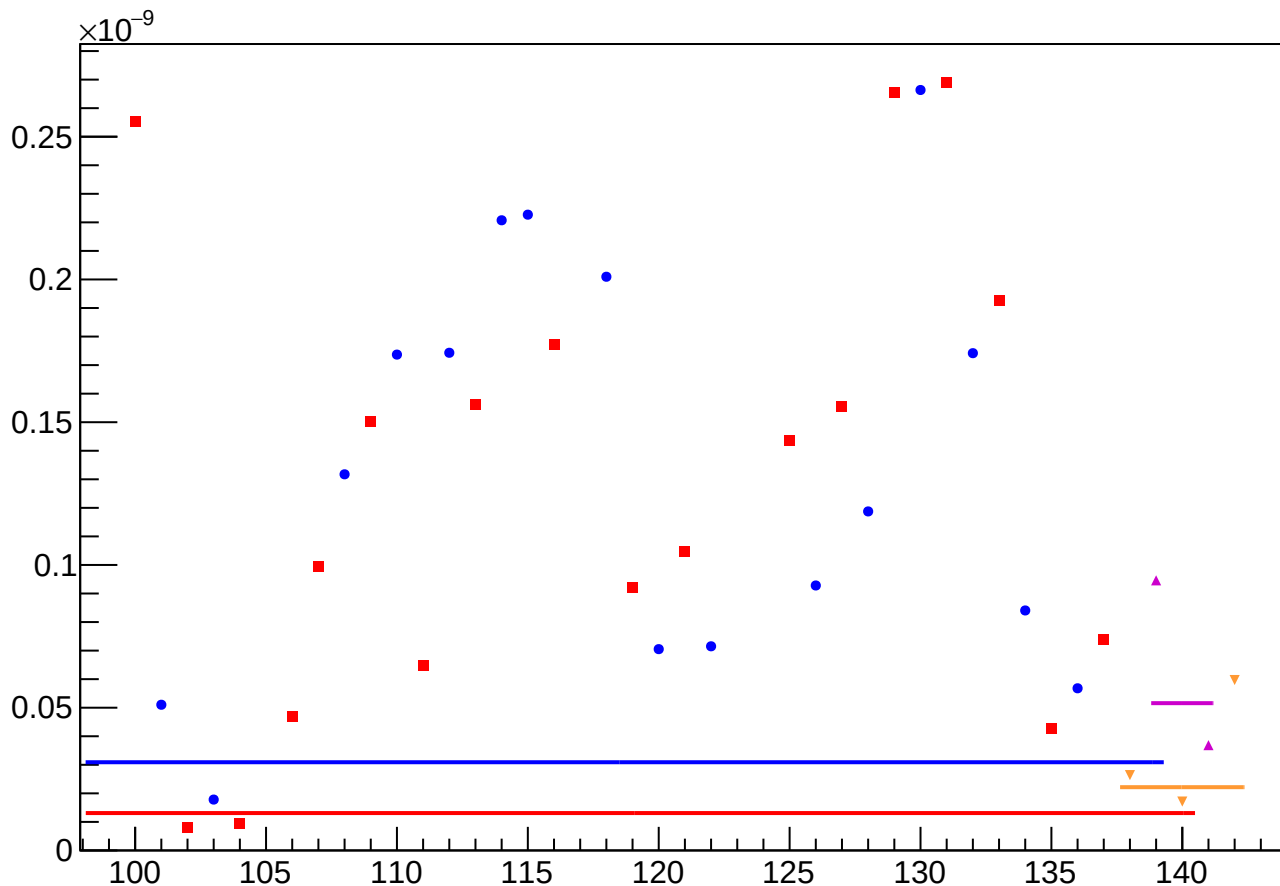
Left In: -0.000+/-0.000 χ^2/NDF : 0.4/1

+ sign -0.000+/-0.000 χ^2/NDF : 24.0/18

All: -0.000+/-0.000 χ^2/NDF : 39.1/38

- sign -0.000+/-0.000 χ^2/NDF : 14.3/19

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 : 180092.6/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3659260.7/17

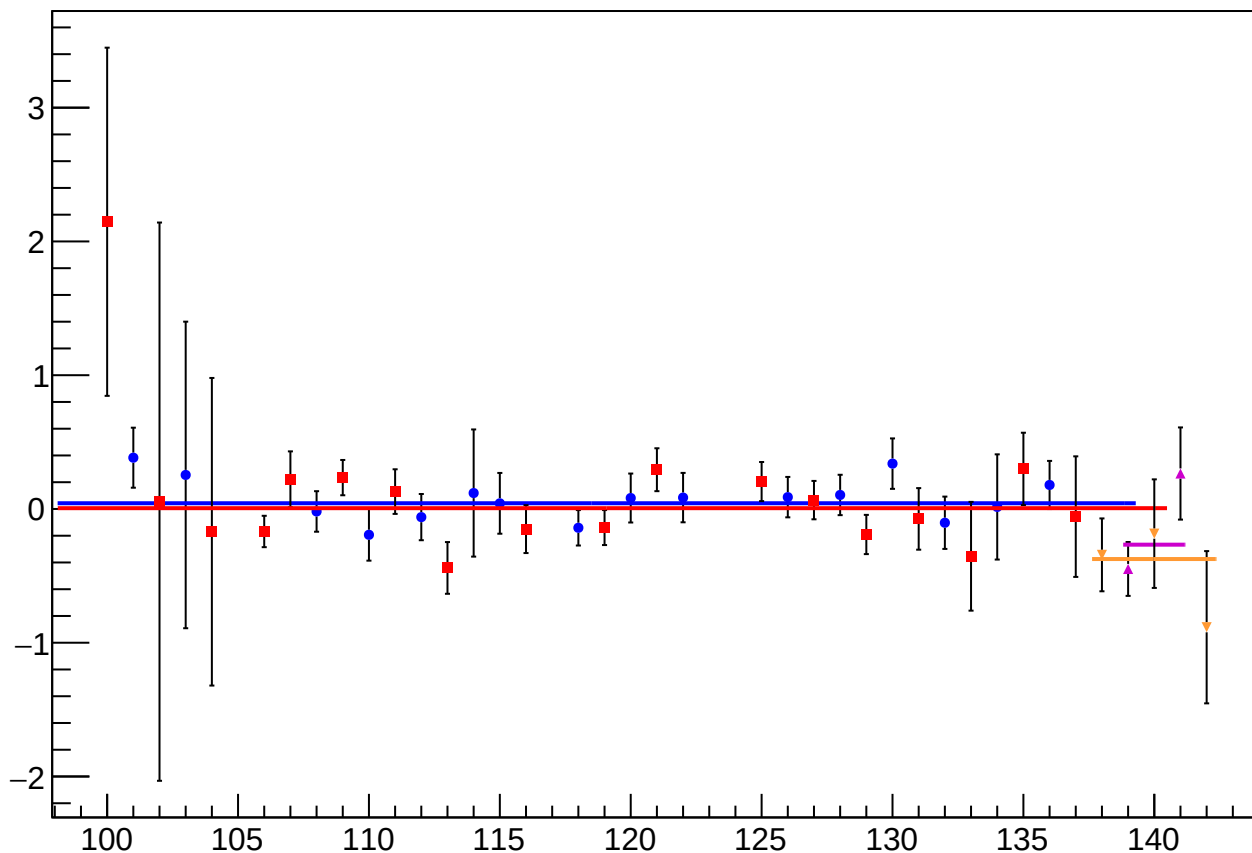
Left In: 0.000+/-0.000 χ^2/NDF : 282744.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 3266756.3/18

All: 0.000+/-0.000 χ^2/NDF : 8363051.0/38

- sign 0.000+/-0.000 χ^2/NDF : 4572964.7/19

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 0.047 χ^2 /NDF: 10.3/15

Left Out: -0.374 $\pm$ 0.210 χ^2 /NDF:1.0/2

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

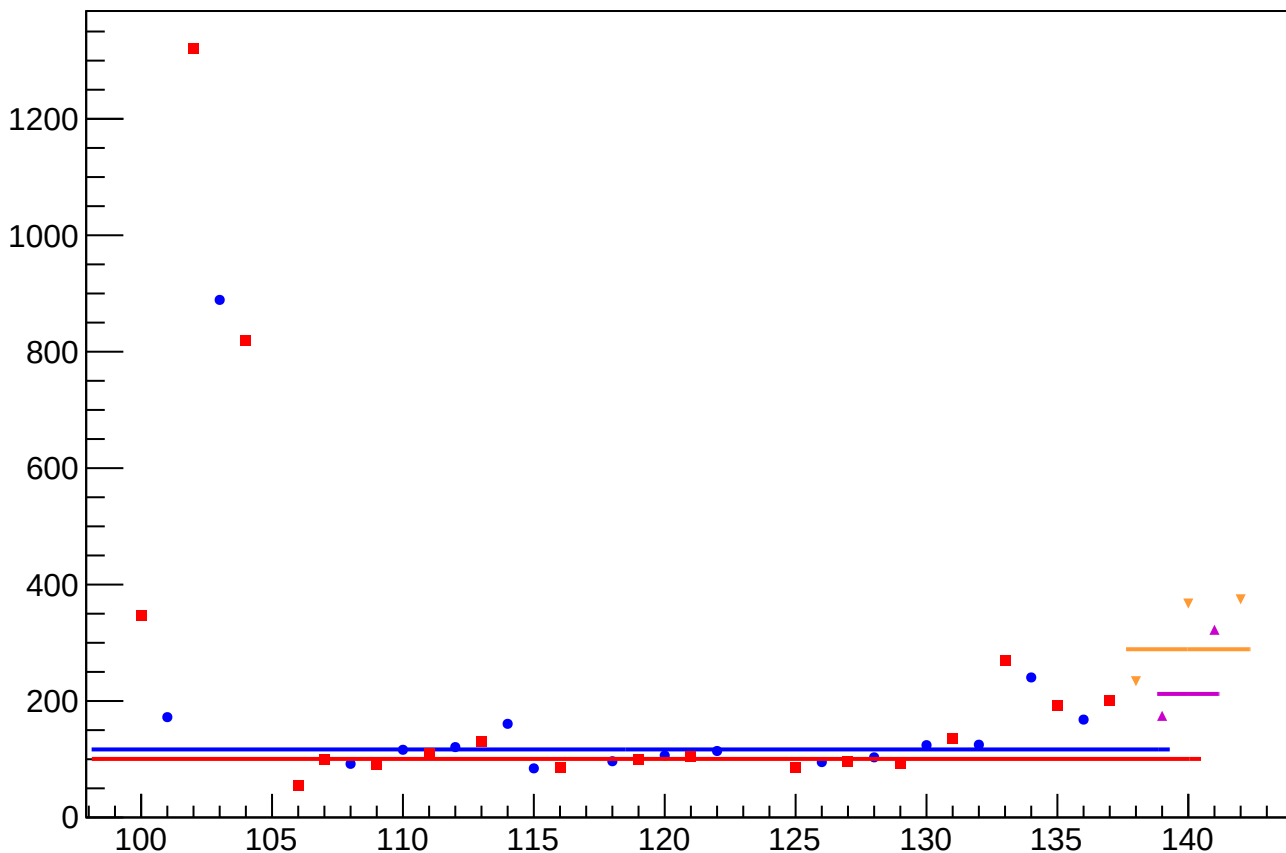
Left In: -0.267 $\pm$ 0.174 χ^2 /NDF:3.2/1

+ sign 0.023 $\pm$ 0.046 χ^2 /NDF: 15.0/18

All: 0.005 $\pm$ 0.031 χ^2 /NDF: 46.9/38

- sign -0.010 $\pm$ 0.042 χ^2 /NDF: 31.5/19

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: 288.935 $\pm$ 0.149 χ^2/NDF : 201602.6/2

Right Out: 100.544 $\pm$ 0.031 χ^2/NDF : 2664151.6/17

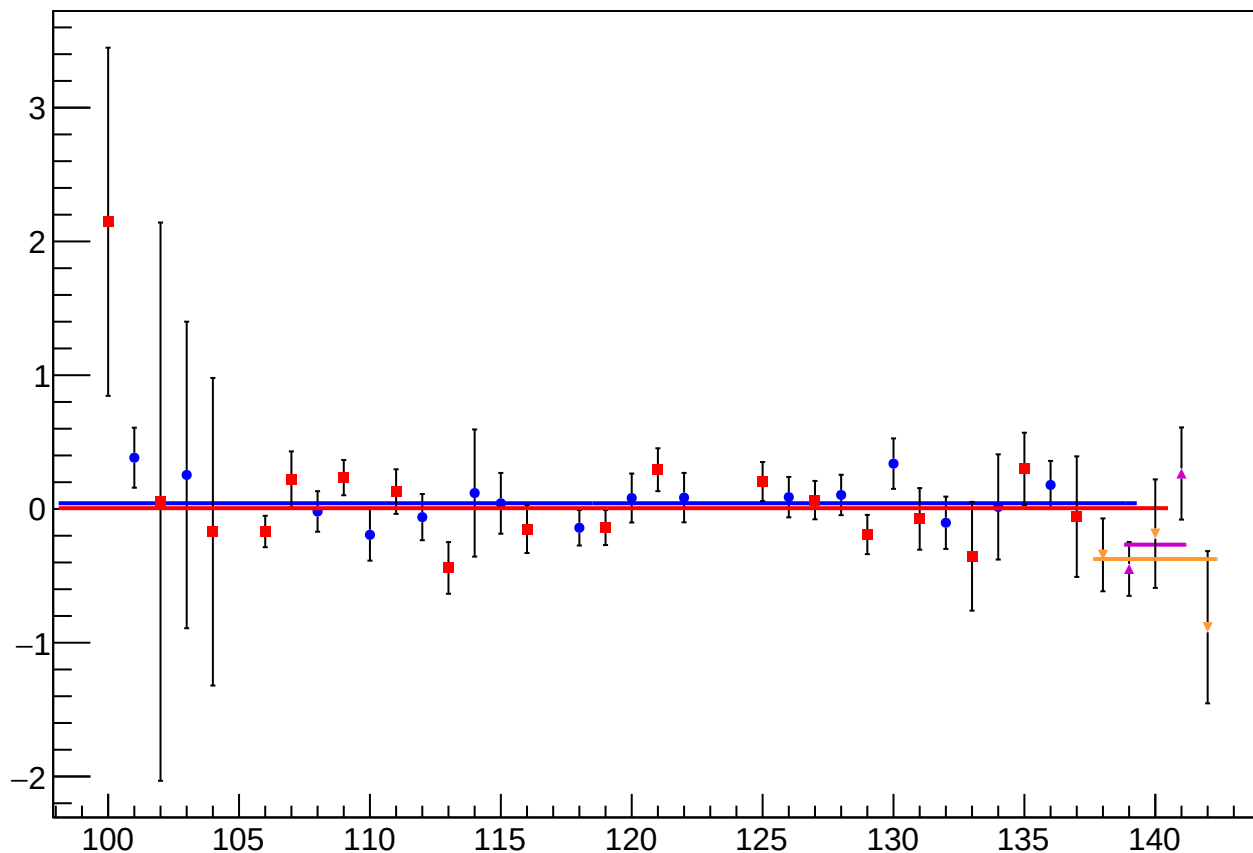
Left In: 212.187 $\pm$ 0.123 χ^2/NDF : 274447.8/1

+ sign 125.194 $\pm$ 0.033 χ^2/NDF : 3098427.6/18

All: 115.282 $\pm$ 0.022 χ^2/NDF : 6981318.0/38

- sign 107.091 $\pm$ 0.030 χ^2/NDF : 3715495.5/19

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: -0.374 $\pm$ 0.210 χ^2 /NDF:1.0/2

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

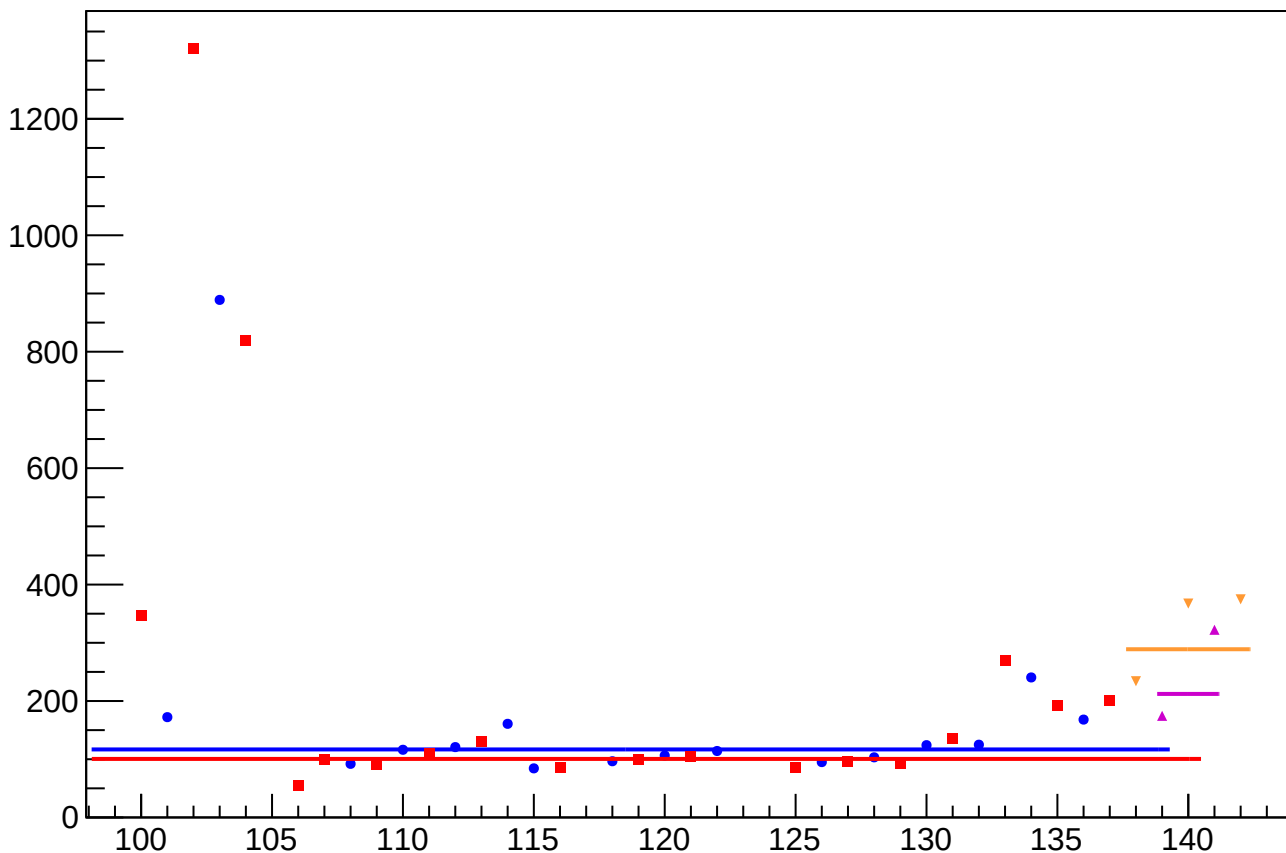
Left In: -0.267 $\pm$ 0.174 χ^2 /NDF:3.2/1

+ sign 0.023 $\pm$ 0.046 χ^2 /NDF: 15.0/18

All: 0.005 $\pm$ 0.031 χ^2 /NDF: 46.9/38

- sign -0.010 $\pm$ 0.042 χ^2 /NDF: 31.5/19

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: 288.935 $\pm$ 0.149 χ^2 /NDF: 201602.6/2

Right Out: 100.544 $\pm$ 0.031 χ^2 /NDF: 2664151.6/17

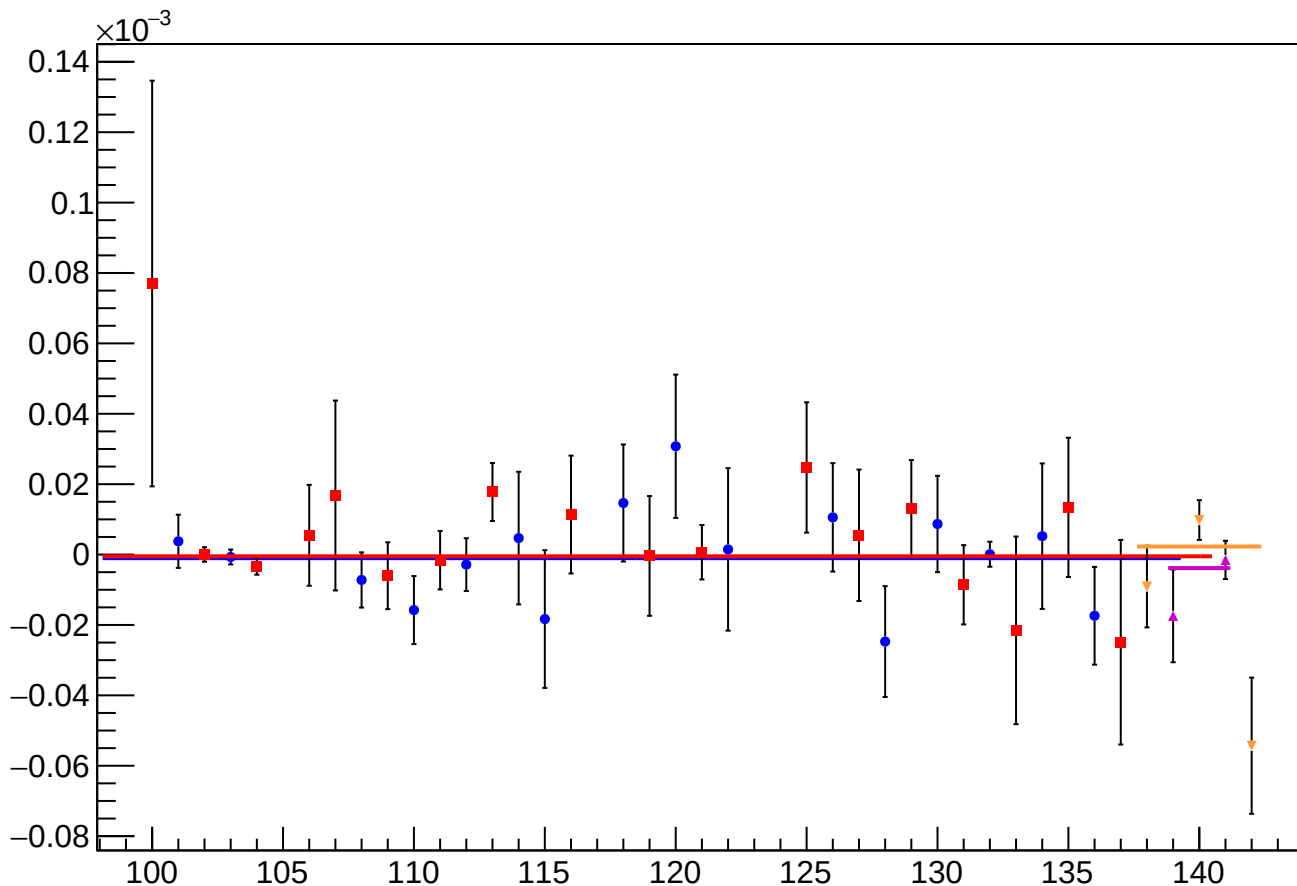
Left In: 212.187 $\pm$ 0.123 χ^2 /NDF: 274447.8/1

+ sign 125.194 $\pm$ 0.033 χ^2 /NDF: 3098427.6/18

All: 115.282 $\pm$ 0.022 χ^2 /NDF: 6981318.0/38

- sign 107.091 $\pm$ 0.030 χ^2 /NDF: 3715495.5/19

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 : 11.3/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.1/17

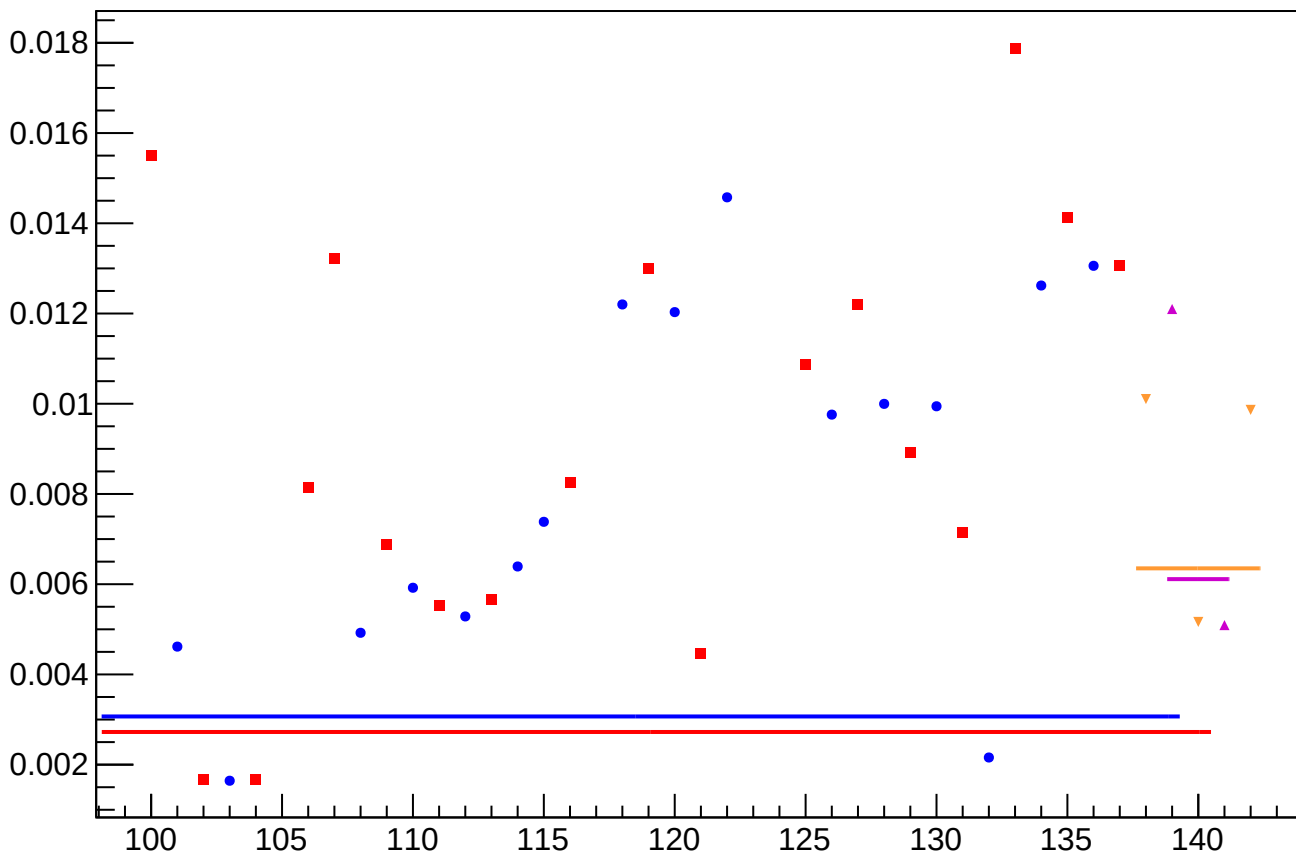
Left In: -0.000 ± 0.000 χ^2/NDF : 1.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 24.3/18

All: -0.000 ± 0.000 χ^2/NDF : 41.0/38

- sign -0.000 ± 0.000 χ^2/NDF : 16.7/19

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: 0.006+/-0.000 χ^2/NDF : 363807.2/2

Right Out: 0.003+/-0.000 χ^2/NDF : 6713699.1/17

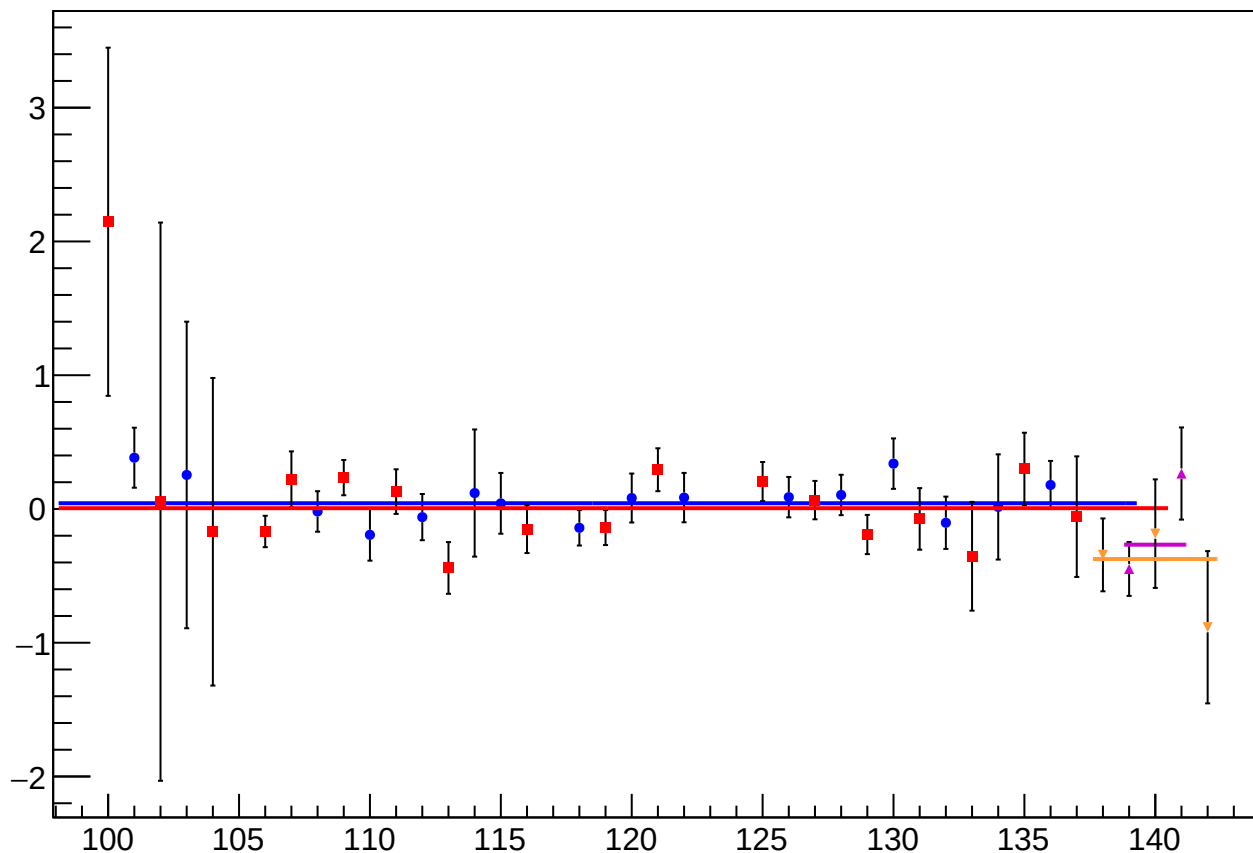
Left In: 0.006+/-0.000 χ^2/NDF : 484002.8/1

+ sign 0.003+/-0.000 χ^2/NDF : 7138318.9/18

All: 0.003+/-0.000 χ^2/NDF : 15263559.3/38

- sign 0.003+/-0.000 χ^2/NDF : 8042973.6/19

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: -0.374 $\pm$ 0.210 χ^2 /NDF:1.0/2

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

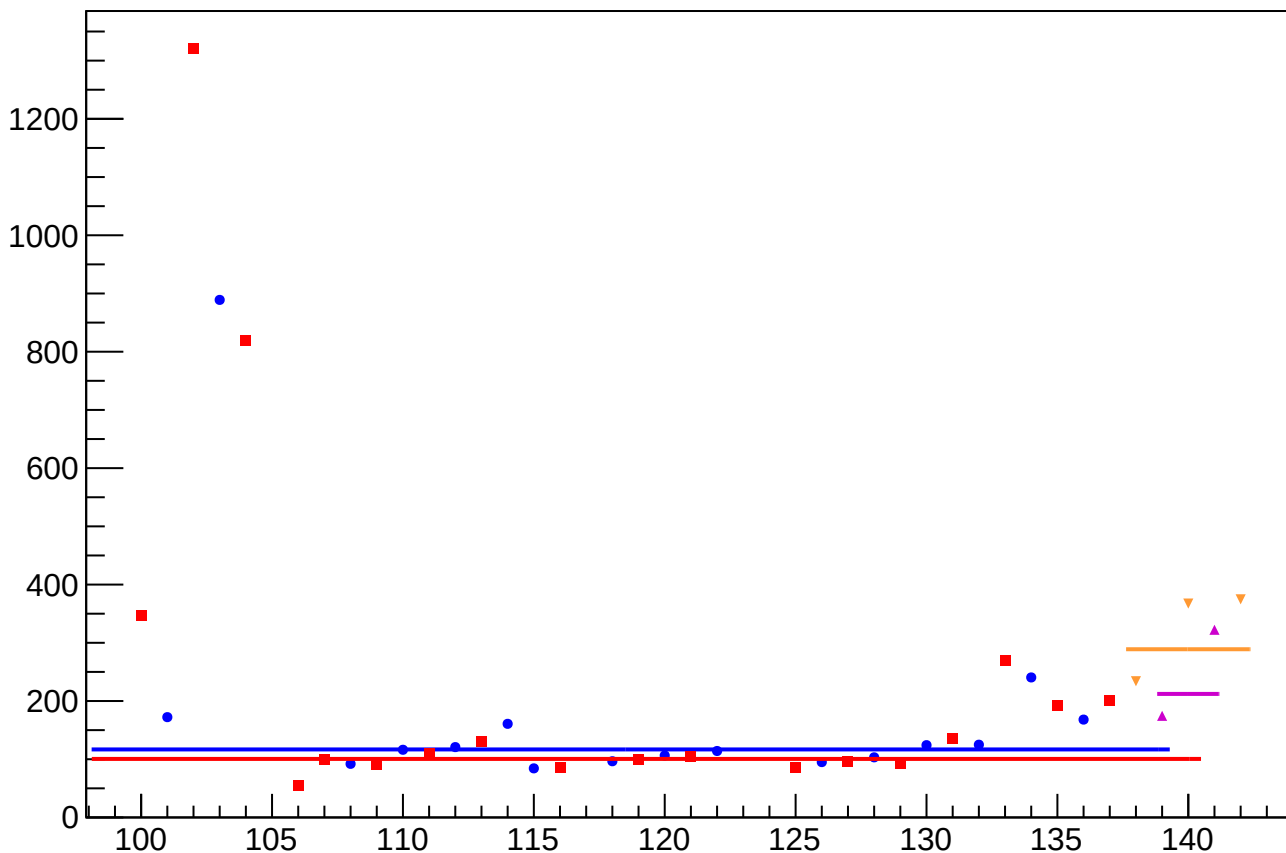
Left In: -0.267 $\pm$ 0.174 χ^2 /NDF:3.2/1

+ sign 0.023 $\pm$ 0.046 χ^2 /NDF: 15.0/18

All: 0.005 $\pm$ 0.031 χ^2 /NDF: 46.9/38

- sign -0.010 $\pm$ 0.042 χ^2 /NDF: 31.6/19

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: 288.938 $\pm$ 0.149 χ^2 /NDF: 201598.0/2

Right Out: 100.543 $\pm$ 0.031 χ^2 /NDF: 2664231.9/17

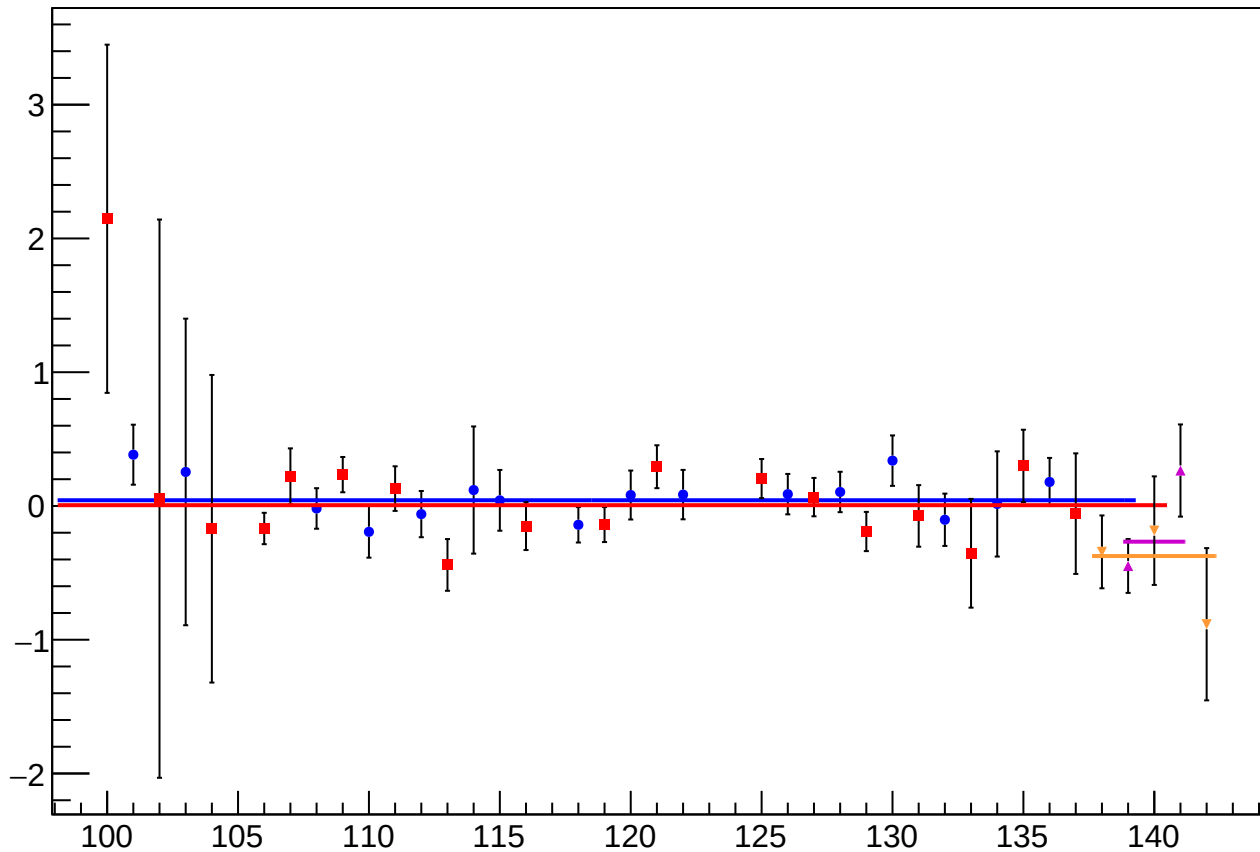
Left In: 212.192 $\pm$ 0.123 χ^2 /NDF: 274430.1/1

+ sign 125.194 $\pm$ 0.033 χ^2 /NDF: 3098448.8/18

All: 115.282 $\pm$ 0.022 χ^2 /NDF: 6981468.8/38

- sign 107.090 $\pm$ 0.030 χ^2 /NDF: 3715608.7/19

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: -0.374 $\pm$ 0.210 χ^2 /NDF:1.0/2

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

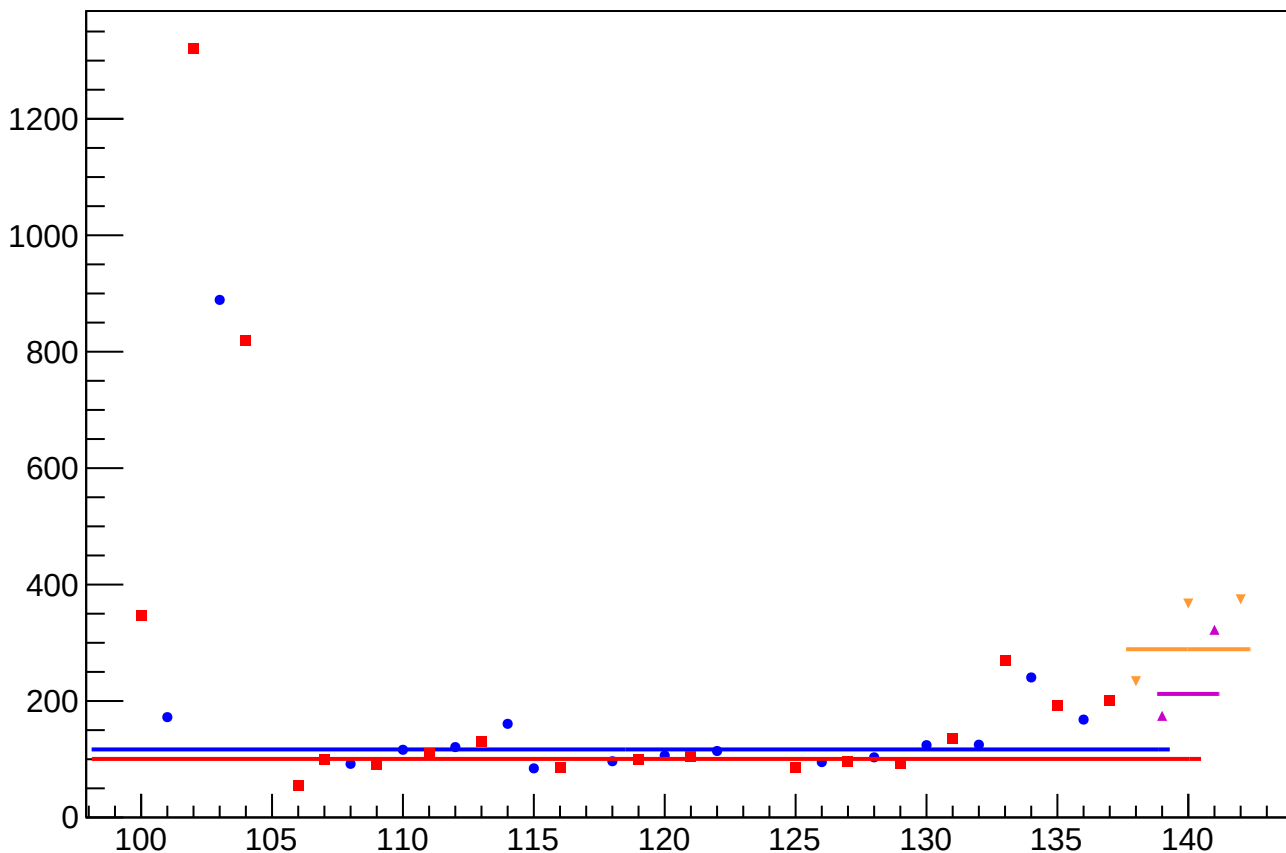
Left In: -0.267 $\pm$ 0.174 χ^2 /NDF:3.2/1

+ sign 0.023 $\pm$ 0.046 χ^2 /NDF: 15.0/18

All: 0.005 $\pm$ 0.031 χ^2 /NDF: 46.9/38

- sign -0.010 $\pm$ 0.042 χ^2 /NDF: 31.6/19

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: 288.938 $\pm$ 0.149 χ^2 /NDF: 201598.0/2

Right Out: 100.543 $\pm$ 0.031 χ^2 /NDF: 2664231.9/17

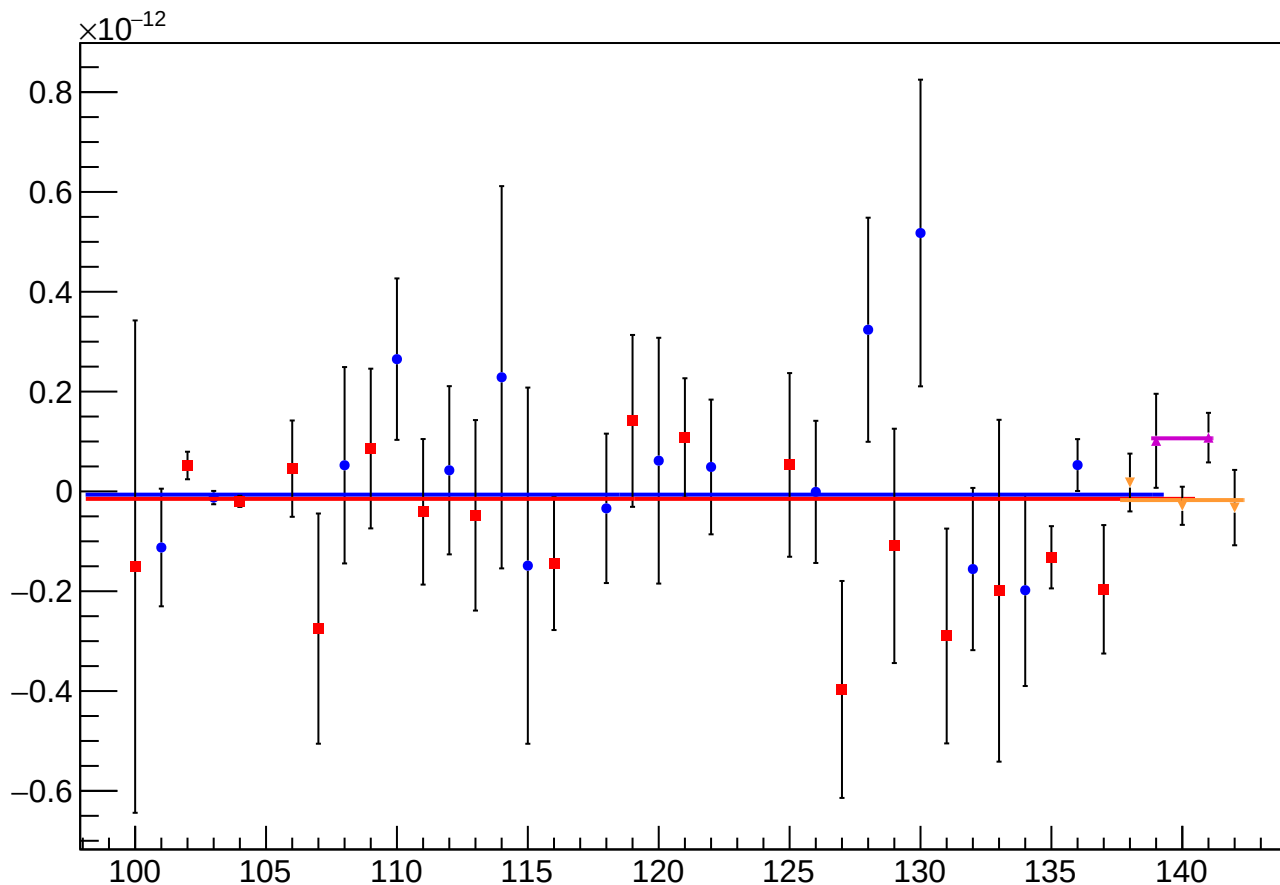
Left In: 212.192 $\pm$ 0.123 χ^2 /NDF: 274430.1/1

+ sign 125.194 $\pm$ 0.033 χ^2 /NDF: 3098448.8/18

All: 115.282 $\pm$ 0.022 χ^2 /NDF: 6981468.8/38

- sign 107.090 $\pm$ 0.030 χ^2 /NDF: 3715608.7/19

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 : 0.5/2

Right Out: -0.000+/-0.000 χ^2/NDF : 21.9/17

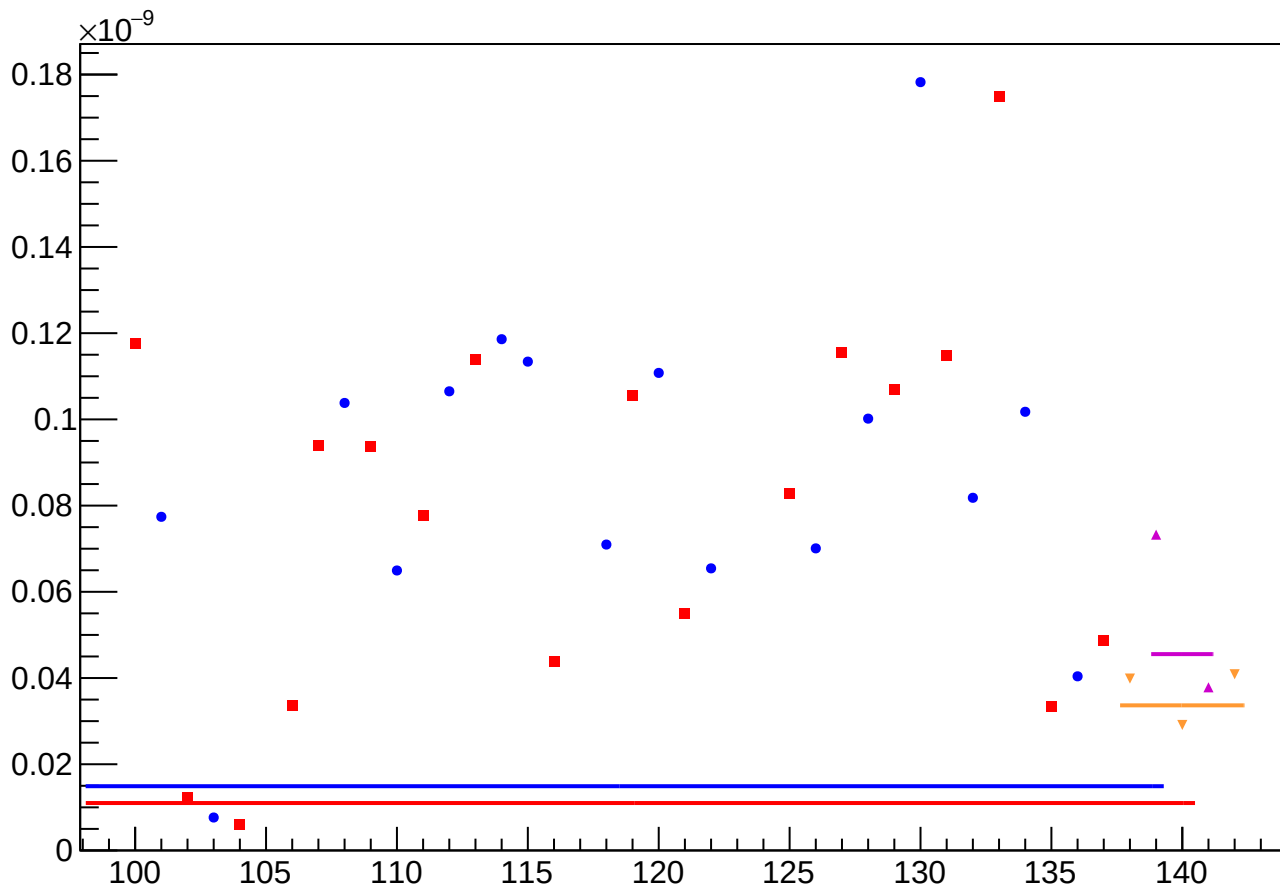
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 13.6/18

All: -0.000+/-0.000 χ^2/NDF : 42.8/38

- sign -0.000+/-0.000 χ^2/NDF : 29.2/19

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 : 69680.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5866969.2/17

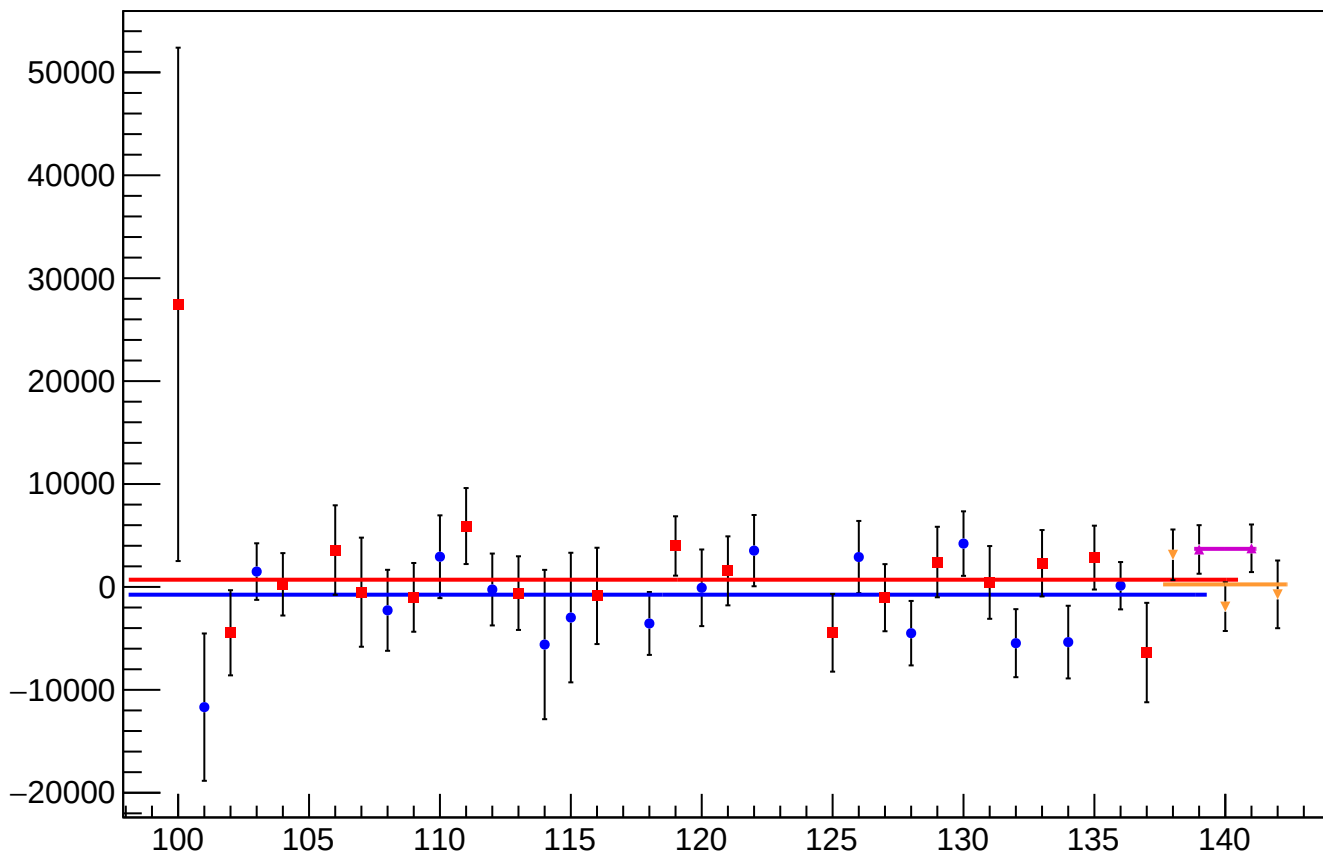
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 221177.9/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 6653729.2/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 14151189.4/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 7265602.5/19

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291 ± 872.652 χ^2/NDF : 15.9/15

Left Out: 245.668 ± 1513.687 χ^2/NDF : 2.3/2

Right Out: 702.198 ± 868.647 χ^2/NDF : 12.4/17

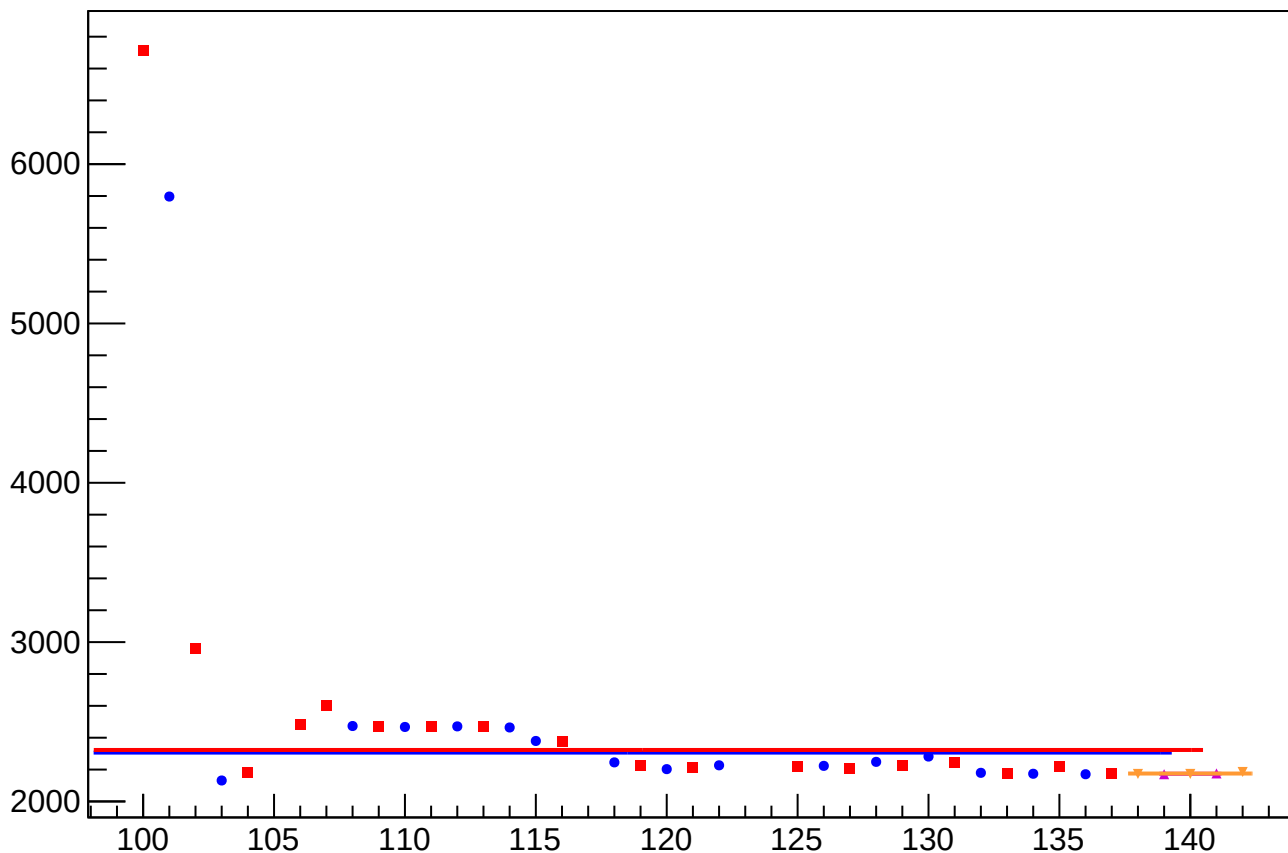
Left In: 3700.254 ± 1651.617 χ^2/NDF : 0.0/1

+ sign -504.849 ± 756.015 χ^2/NDF : 18.5/18

All: 407.909 ± 539.047 χ^2/NDF : 36.4/38

- sign 1351.802 ± 768.801 χ^2/NDF : 14.9/19

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: 2175.172 $\pm$ 1.070 χ^2 /NDF:21.7/2

Right Out: 2323.010 $\pm$ 0.614 χ^2 /NDF: 151787.1/17

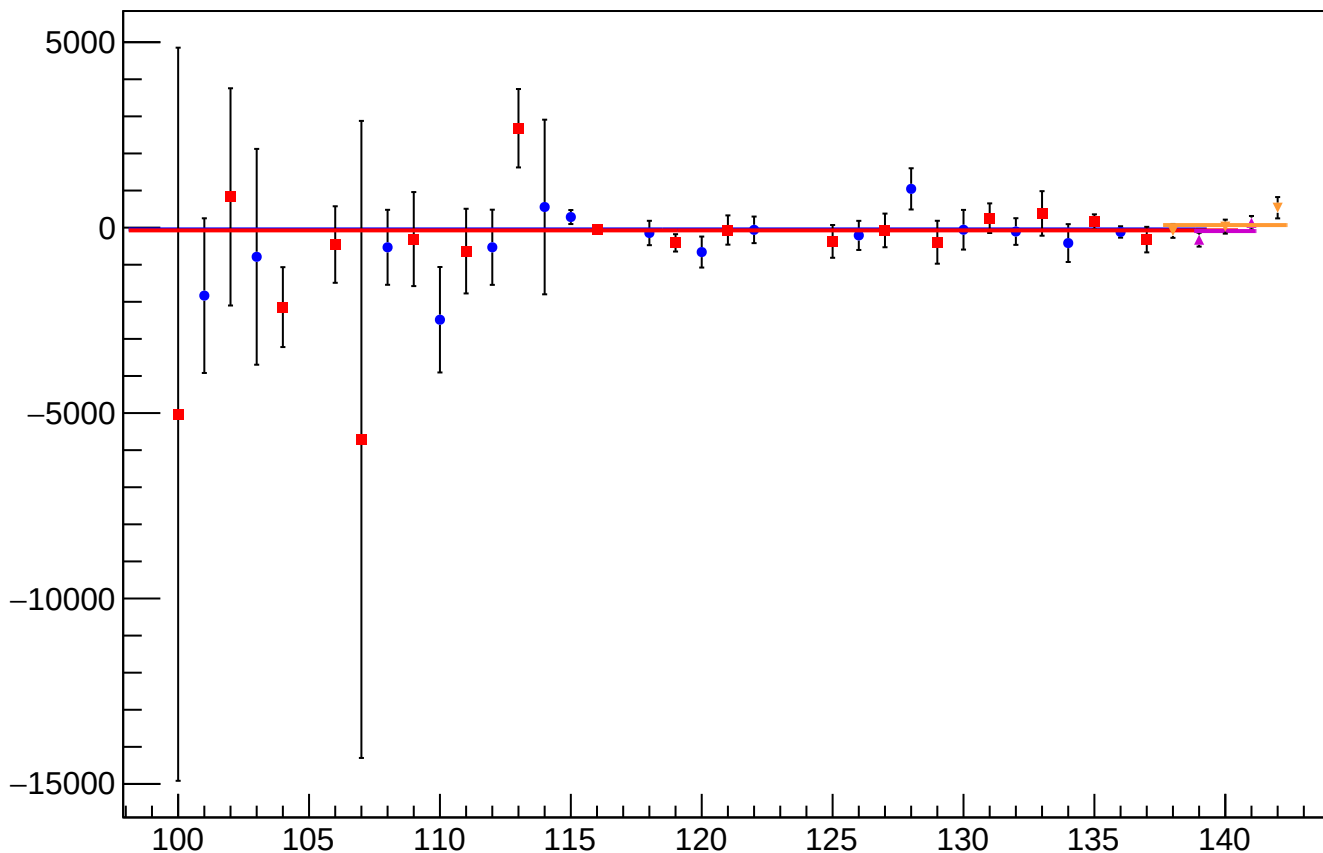
Left In: 2173.501 $\pm$ 1.168 χ^2 /NDF:4.5/1

+ sign 2273.847 $\pm$ 0.535 χ^2 /NDF: 525495.9/18

All: 2282.091 $\pm$ 0.381 χ^2 /NDF: 690609.0/38

- sign 2290.615 $\pm$ 0.544 χ^2 /NDF: 164629.4/19

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: 68.908 ± 120.729 χ^2/NDF : 3.4/2

Right Out: -74.200 ± 82.384 χ^2/NDF : 17.6/17

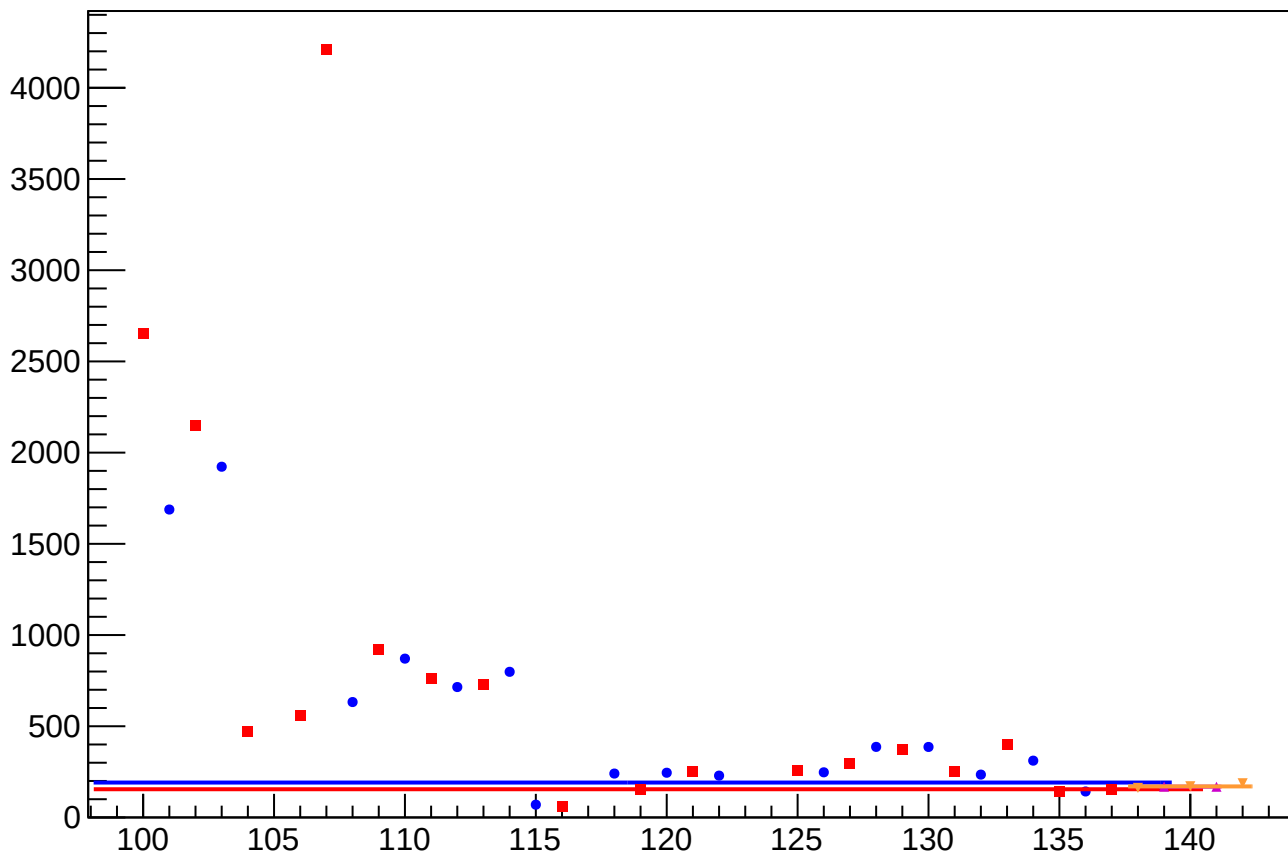
Left In: -92.577 ± 130.637 χ^2/NDF : 3.0/1

+ sign -5.648 ± 72.625 χ^2/NDF : 18.4/18

All: -44.062 ± 50.282 χ^2/NDF : 39.6/38

- sign -79.429 ± 69.684 χ^2/NDF : 20.7/19

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: 170.141+/-0.085 χ^2/NDF :11016.0/2

+ sign 183.695+/-0.051 χ^2/NDF : 5115263.7/18

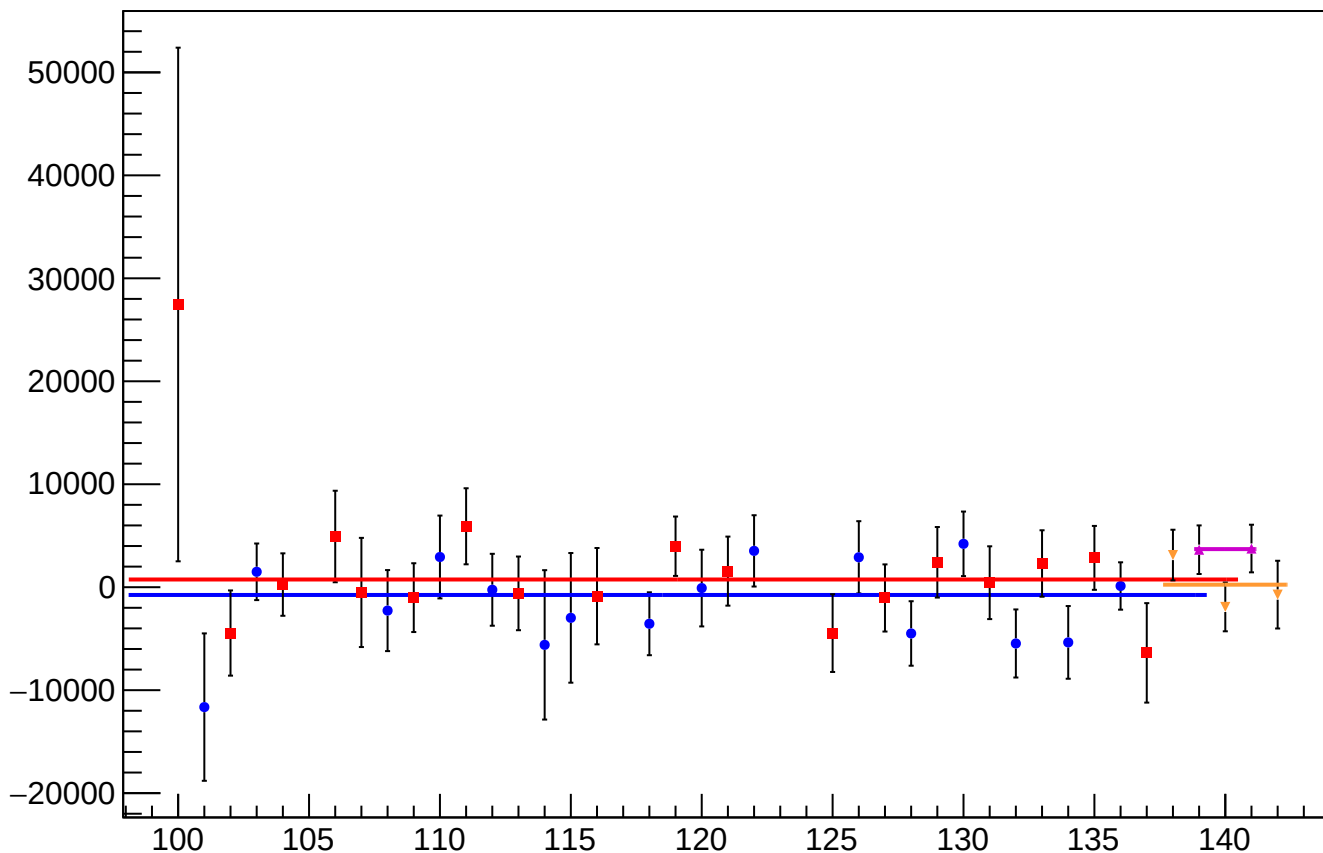
Right Out: 154.677+/-0.058 χ^2/NDF : 6154285.9/17

All: 170.663+/-0.036 χ^2/NDF : 11409712.4/38

- sign 158.665+/-0.049 χ^2/NDF : 6170764.8/19

Left In: 168.694+/-0.092 χ^2/NDF :3.2/1

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322 ± 872.653 χ^2/NDF : 15.9/15

Left Out: 245.756 ± 1513.687 χ^2/NDF : 2.3/2

Right Out: 749.316 ± 869.366 χ^2/NDF : 12.8/17

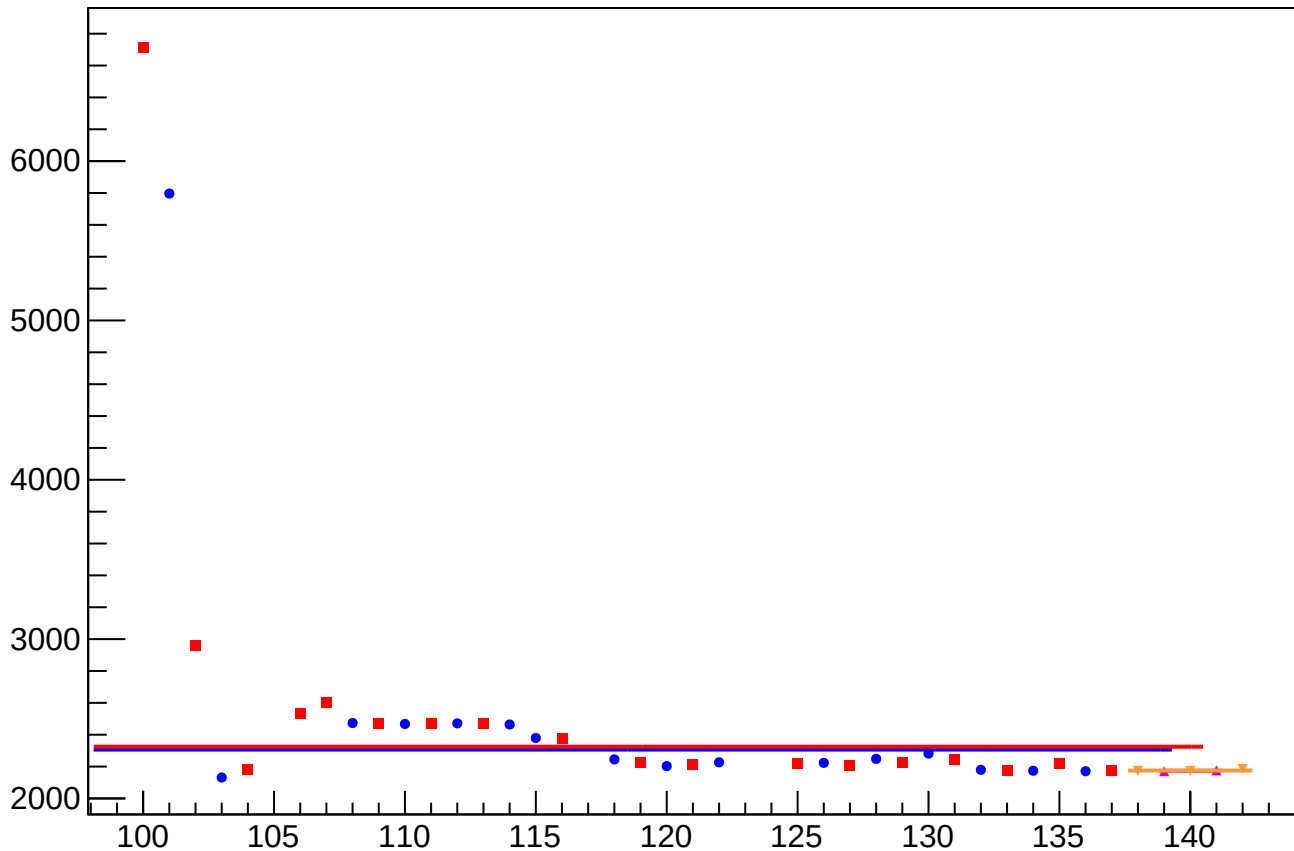
Left In: 3700.313 ± 1651.617 χ^2/NDF : 0.0/1

+ sign -504.099 ± 756.015 χ^2/NDF : 18.5/18

All: 426.236 ± 539.219 χ^2/NDF : 36.9/38

- sign 1389.554 ± 769.300 χ^2/NDF : 15.3/19

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF : 514150.6/15

Left Out: 2175.172+/-1.070 χ^2/NDF : 21.7/2

Right Out: 2324.685+/-0.615 χ^2/NDF : 153578.5/17

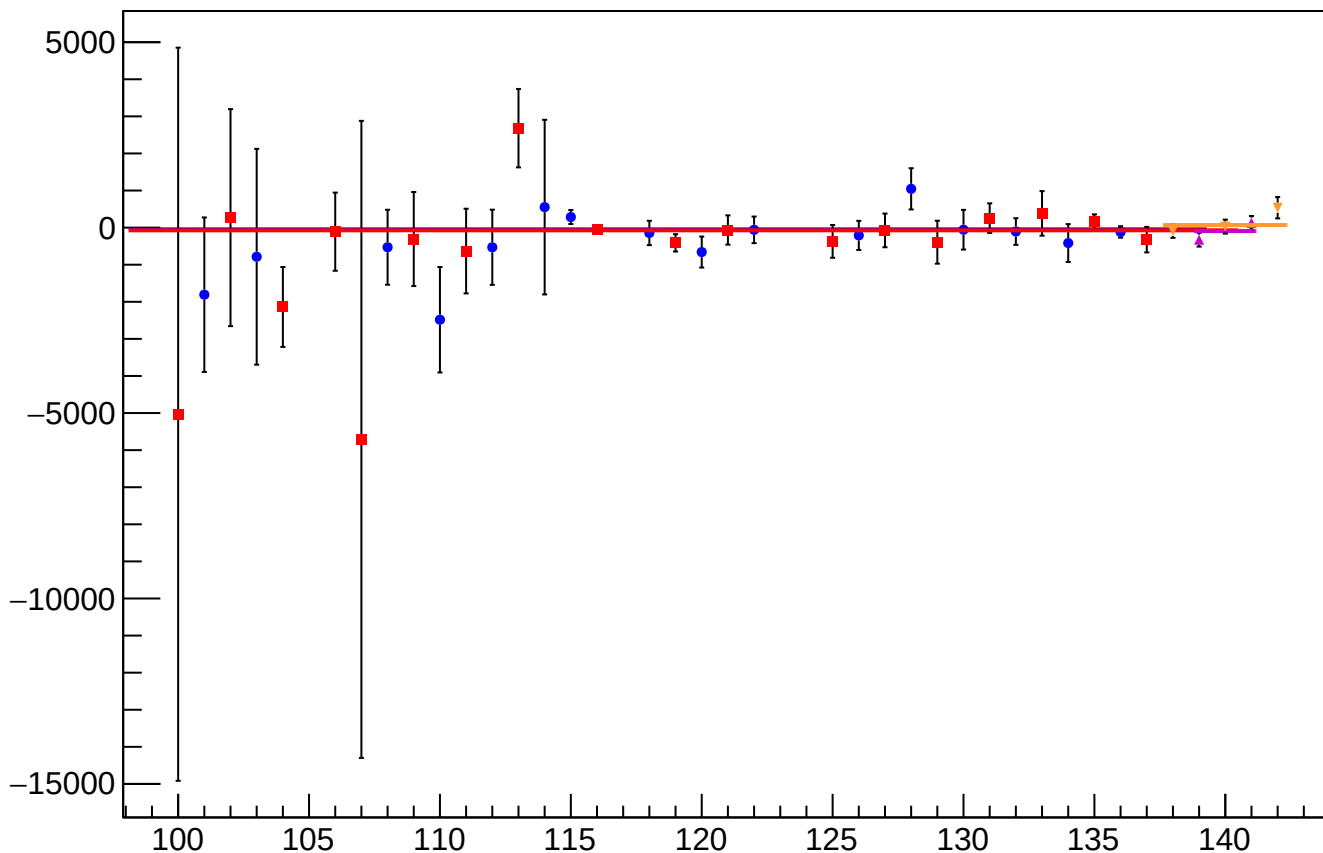
Left In: 2173.501+/-1.168 χ^2/NDF : 4.5/1

+ sign 2273.848+/-0.535 χ^2/NDF : 525496.2/18

All: 2282.709+/-0.381 χ^2/NDF : 692760.8/38

- sign 2291.885+/-0.544 χ^2/NDF : 166705.3/19

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: 69.051 ± 120.728 χ^2/NDF : 3.4/2

Right Out: -72.198 ± 82.322 χ^2/NDF : 17.4/17

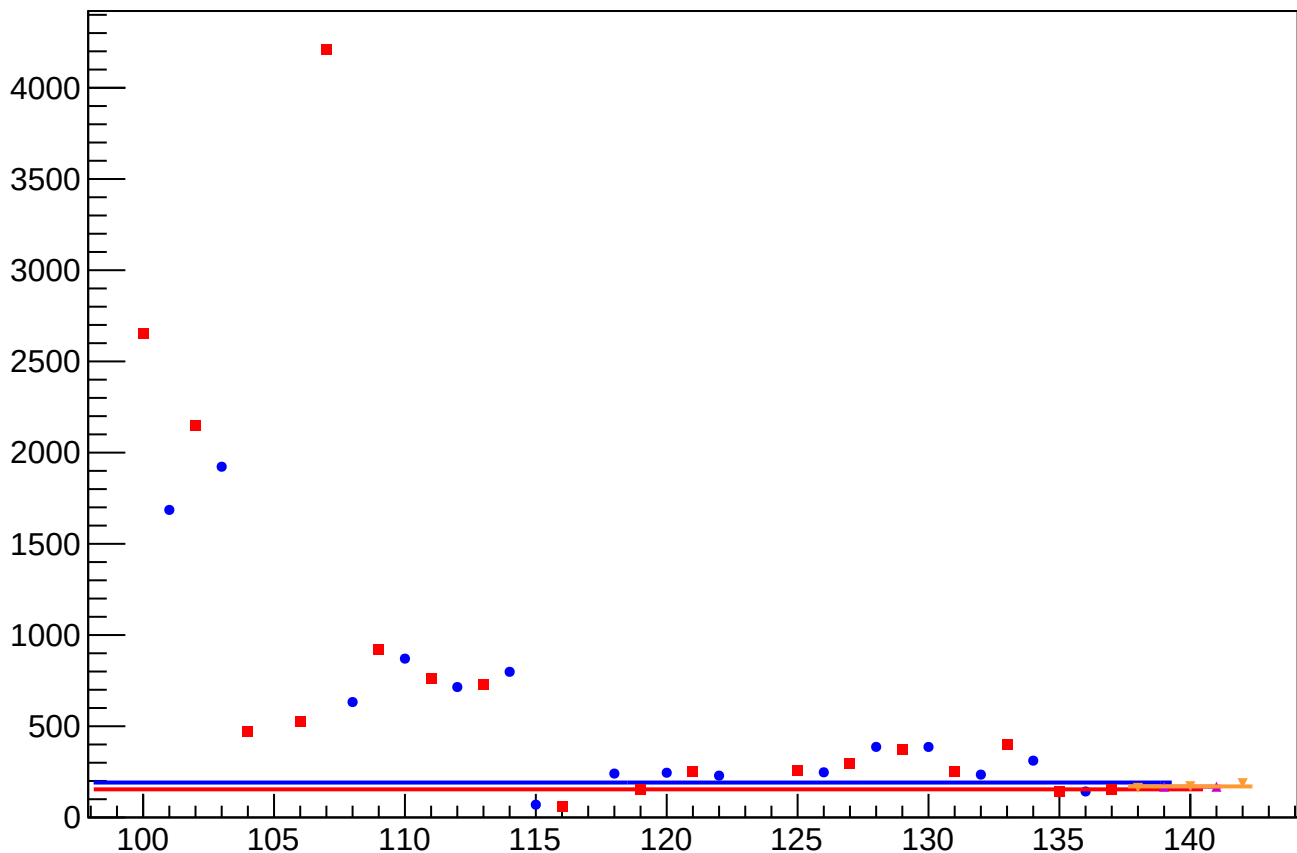
Left In: -92.876 ± 130.642 χ^2/NDF : 3.0/1

+ sign -5.614 ± 72.628 χ^2/NDF : 18.4/18

All: -43.361 ± 50.269 χ^2/NDF : 39.4/38

- sign -78.075 ± 69.648 χ^2/NDF : 20.5/19

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405 $\pm$ 0.064 χ^2 /NDF: 5063603.7/15

Left Out: 170.141 $\pm$ 0.085 χ^2 /NDF:11055.9/2

Right Out: 154.121 $\pm$ 0.058 χ^2 /NDF: 6108665.0/17

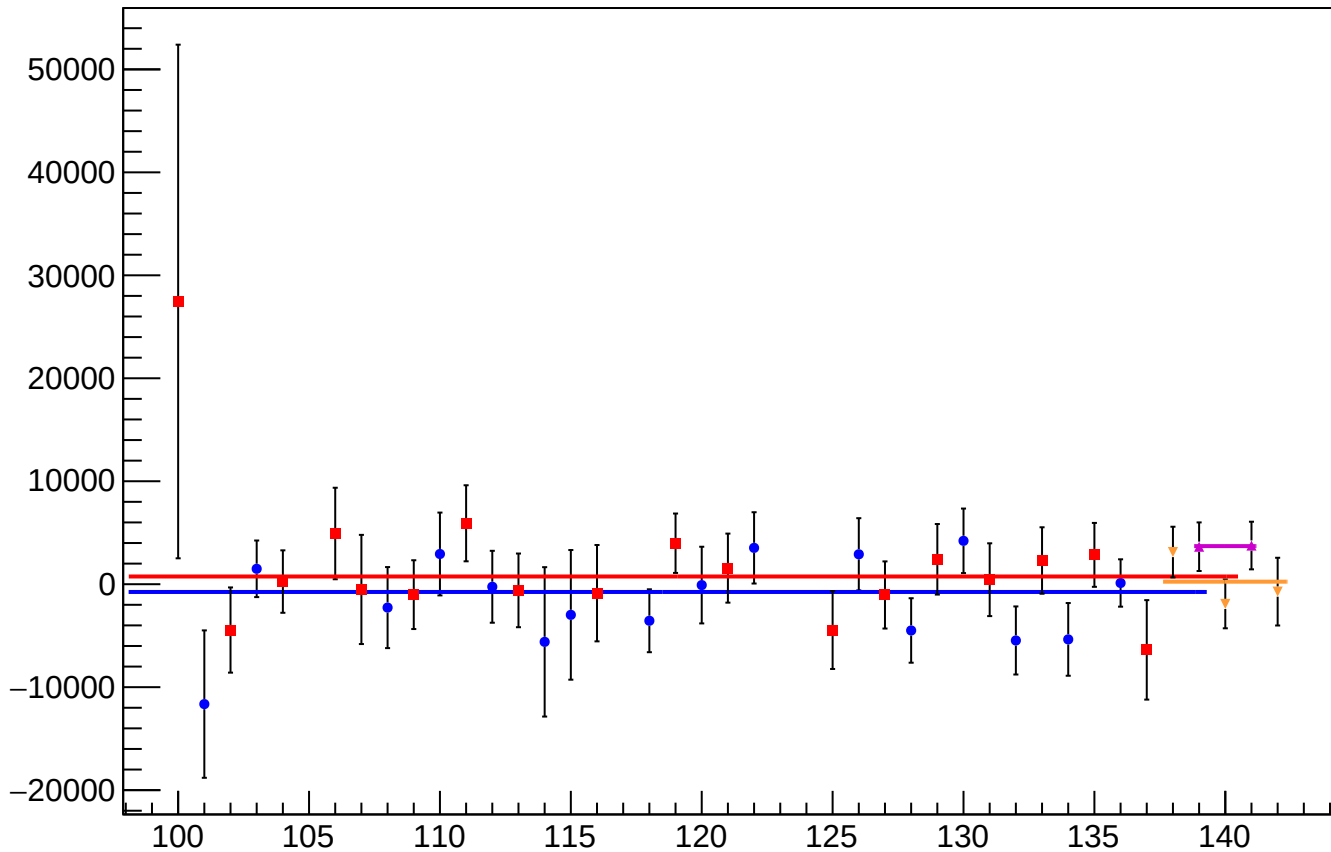
Left In: 168.698 $\pm$ 0.092 χ^2 /NDF:3.4/1

+ sign 183.710 $\pm$ 0.051 χ^2 /NDF: 5114249.7/18

All: 170.454 $\pm$ 0.036 χ^2 /NDF: 11368629.0/38

- sign 158.264 $\pm$ 0.049 χ^2 /NDF: 6126492.4/19

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: 245.756 ± 1513.687 χ^2/NDF : 2.3/2

Right Out: 749.316 ± 869.366 χ^2/NDF : 12.8/17

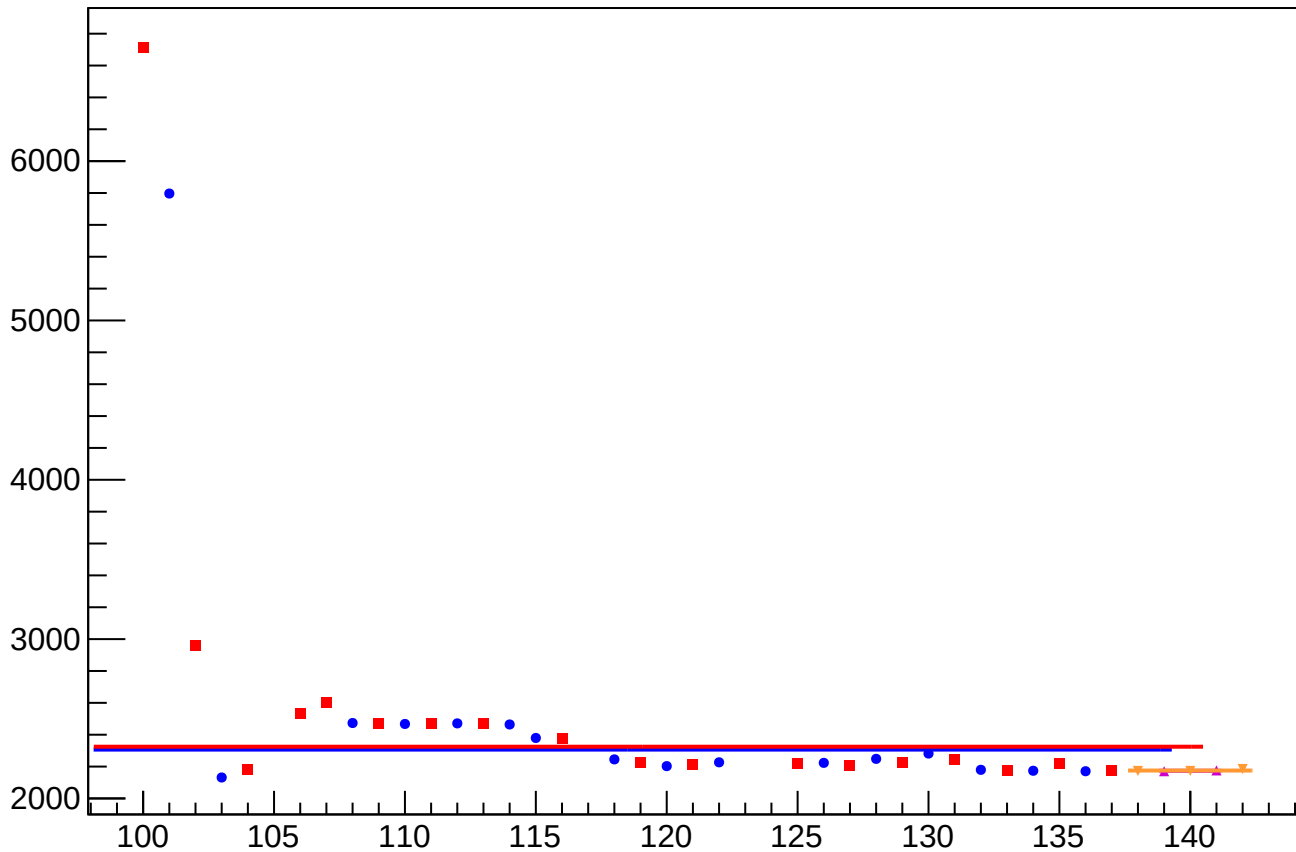
Left In: 3700.313 ± 1651.617 χ^2/NDF : 0.0/1

+ sign -504.099 ± 756.015 χ^2/NDF : 18.5/18

All: 426.236 ± 539.219 χ^2/NDF : 36.9/38

- sign 1389.554 ± 769.300 χ^2/NDF : 15.3/19

eigen_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: 2175.172 $\pm$ 1.070 χ^2 /NDF:21.7/2

Right Out: 2324.685 $\pm$ 0.615 χ^2 /NDF: 153578.5/17

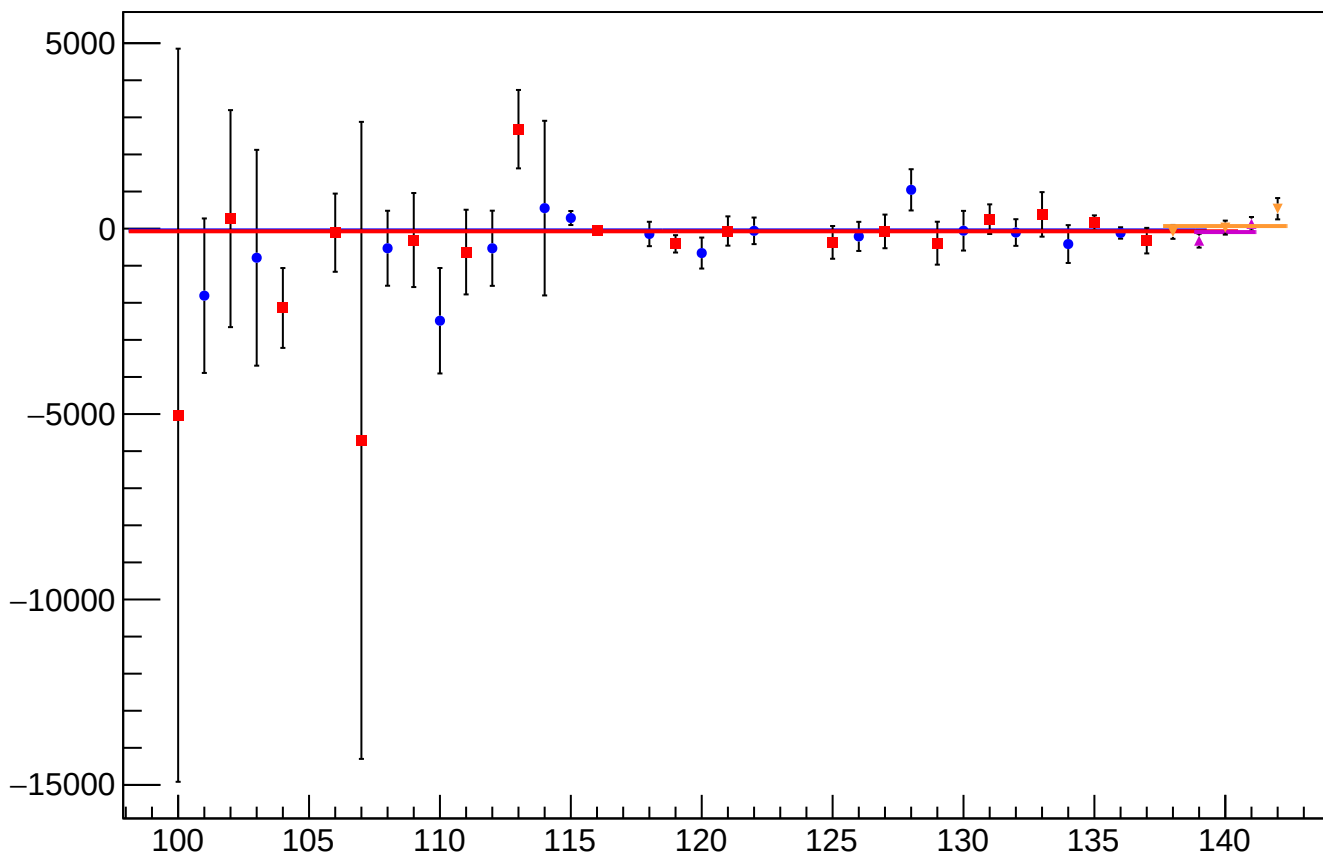
Left In: 2173.501 $\pm$ 1.168 χ^2 /NDF:4.5/1

+ sign 2273.848 $\pm$ 0.535 χ^2 /NDF: 525496.2/18

All: 2282.709 $\pm$ 0.381 χ^2 /NDF: 692760.8/38

- sign 2291.885 $\pm$ 0.544 χ^2 /NDF: 166705.3/19

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: 69.051 ± 120.728 χ^2/NDF : 3.4/2

Right Out: -72.198 ± 82.322 χ^2/NDF : 17.4/17

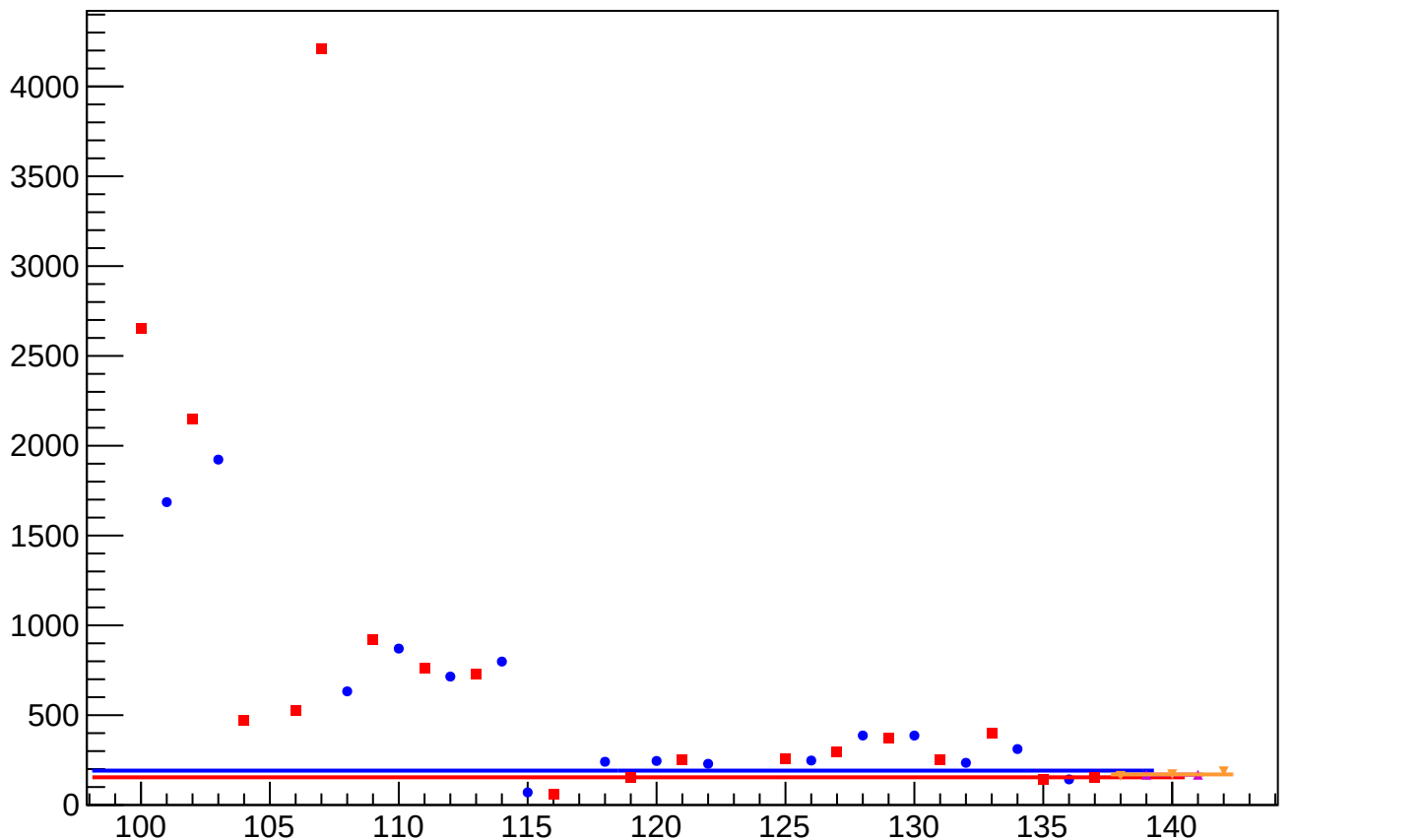
Left In: -92.876 ± 130.642 χ^2/NDF : 3.0/1

+ sign -5.614 ± 72.628 χ^2/NDF : 18.4/18

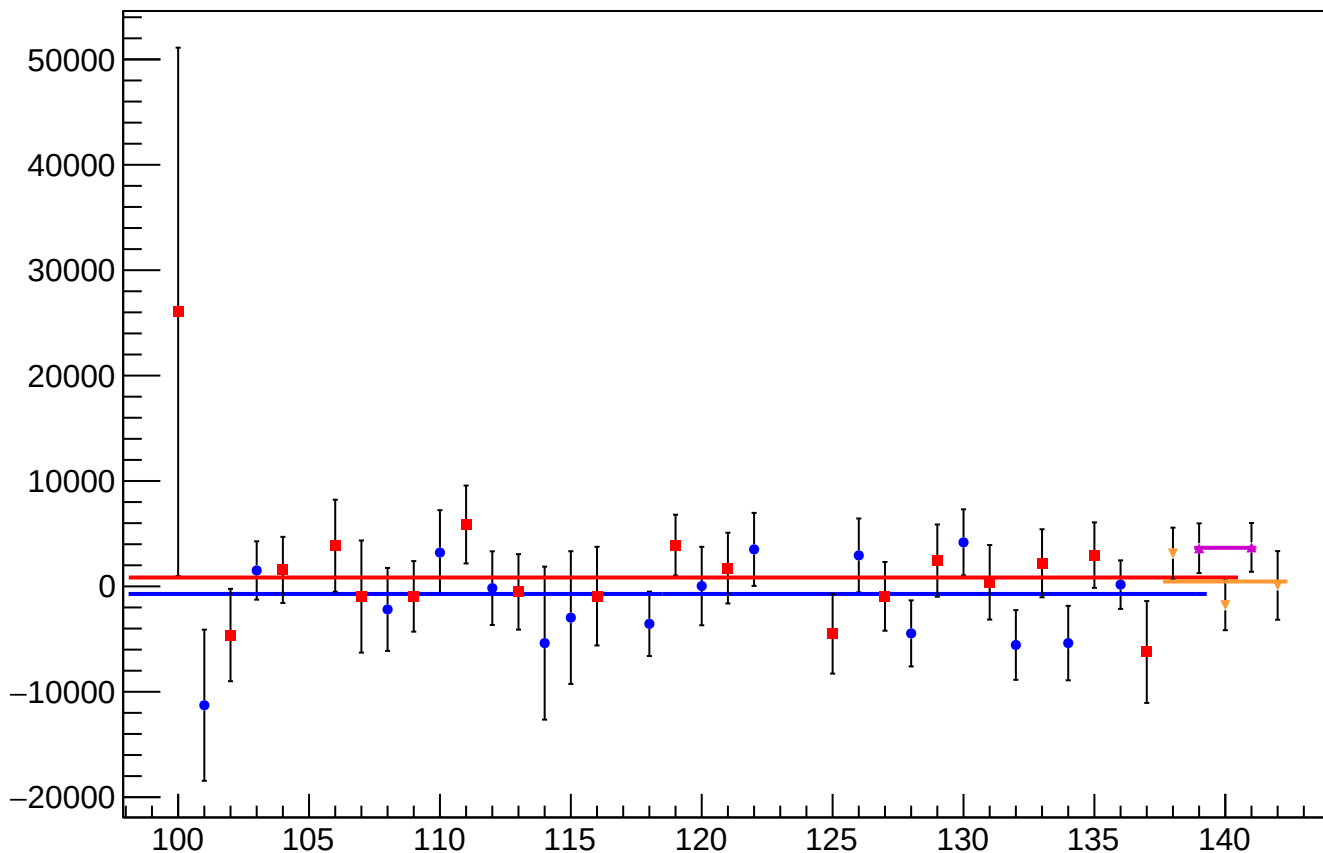
All: -43.361 ± 50.269 χ^2/NDF : 39.4/38

- sign -78.075 ± 69.648 χ^2/NDF : 20.5/19

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug



dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136 ± 873.539 χ^2/NDF : 15.8/15

Left Out: 463.540 ± 1510.771 χ^2/NDF : 2.1/2

Right Out: 842.157 ± 873.586 χ^2/NDF : 12.2/17

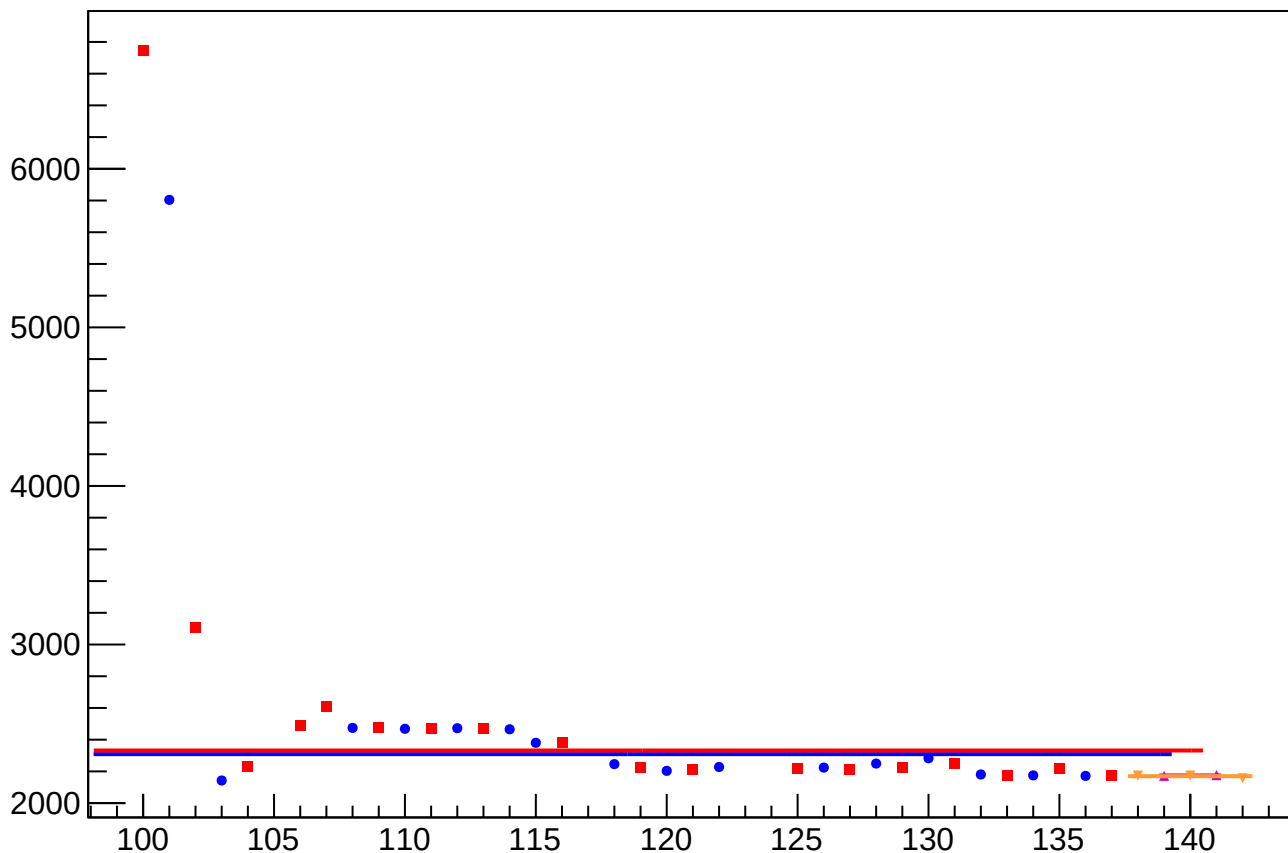
Left In: 3661.141 ± 1652.219 χ^2/NDF : 0.0/1

+ sign -421.310 ± 756.226 χ^2/NDF : 18.4/18

All: 498.634 ± 540.319 χ^2/NDF : 35.8/38

- sign 1458.054 ± 772.281 χ^2/NDF : 14.4/19

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF : 513742.2/15

Left Out: 2169.756+/-1.068 χ^2/NDF : 43.5/2

Right Out: 2331.849+/-0.618 χ^2/NDF : 167321.7/17

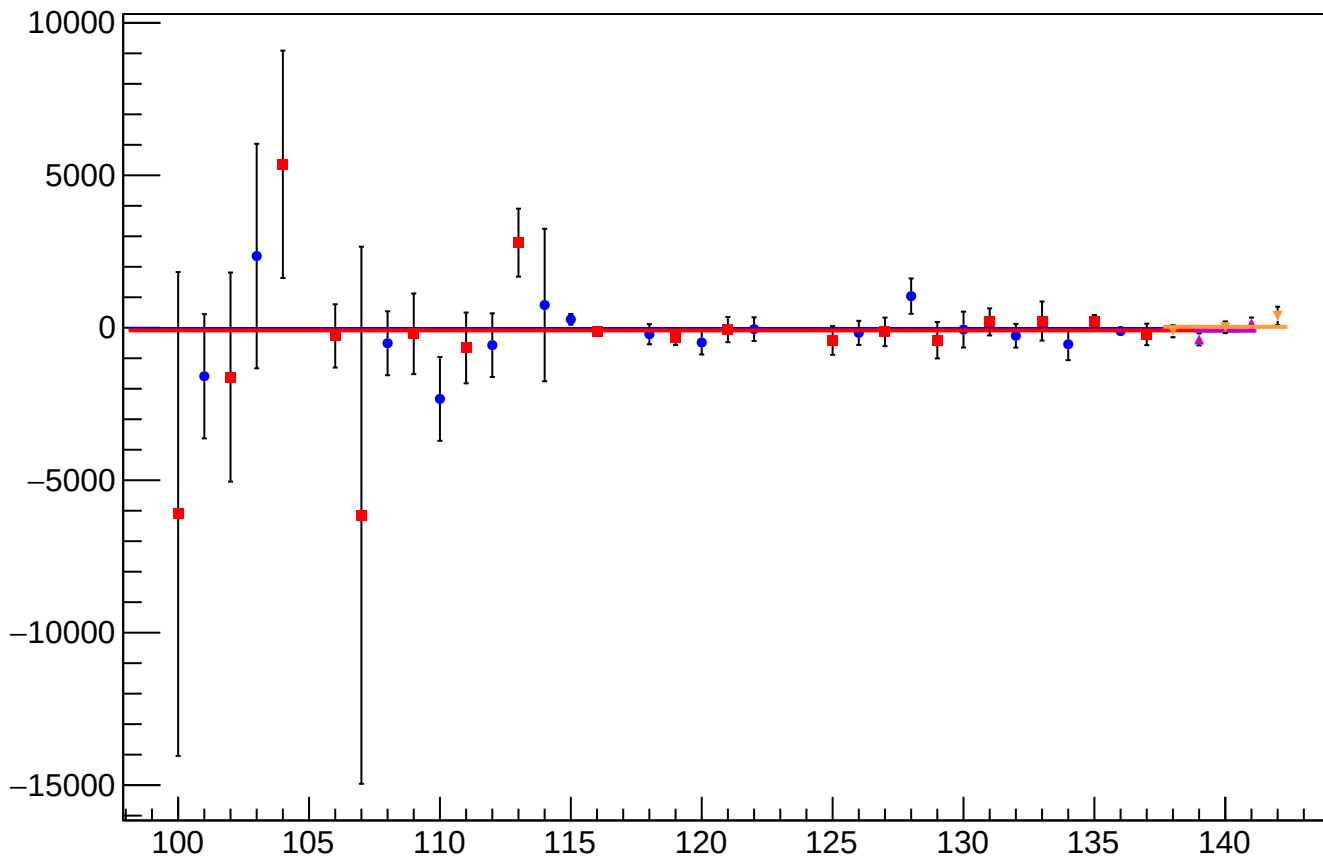
Left In: 2174.293+/-1.168 χ^2/NDF : 3.9/1

+ sign 2273.916+/-0.535 χ^2/NDF : 526470.9/18

All: 2285.424+/-0.382 χ^2/NDF : 708956.3/38

- sign 2297.426+/-0.546 χ^2/NDF : 181539.2/19

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: 30.960 ± 125.347 χ^2/NDF : 2.0/2

Right Out: -86.379 ± 86.088 χ^2/NDF : 15.0/17

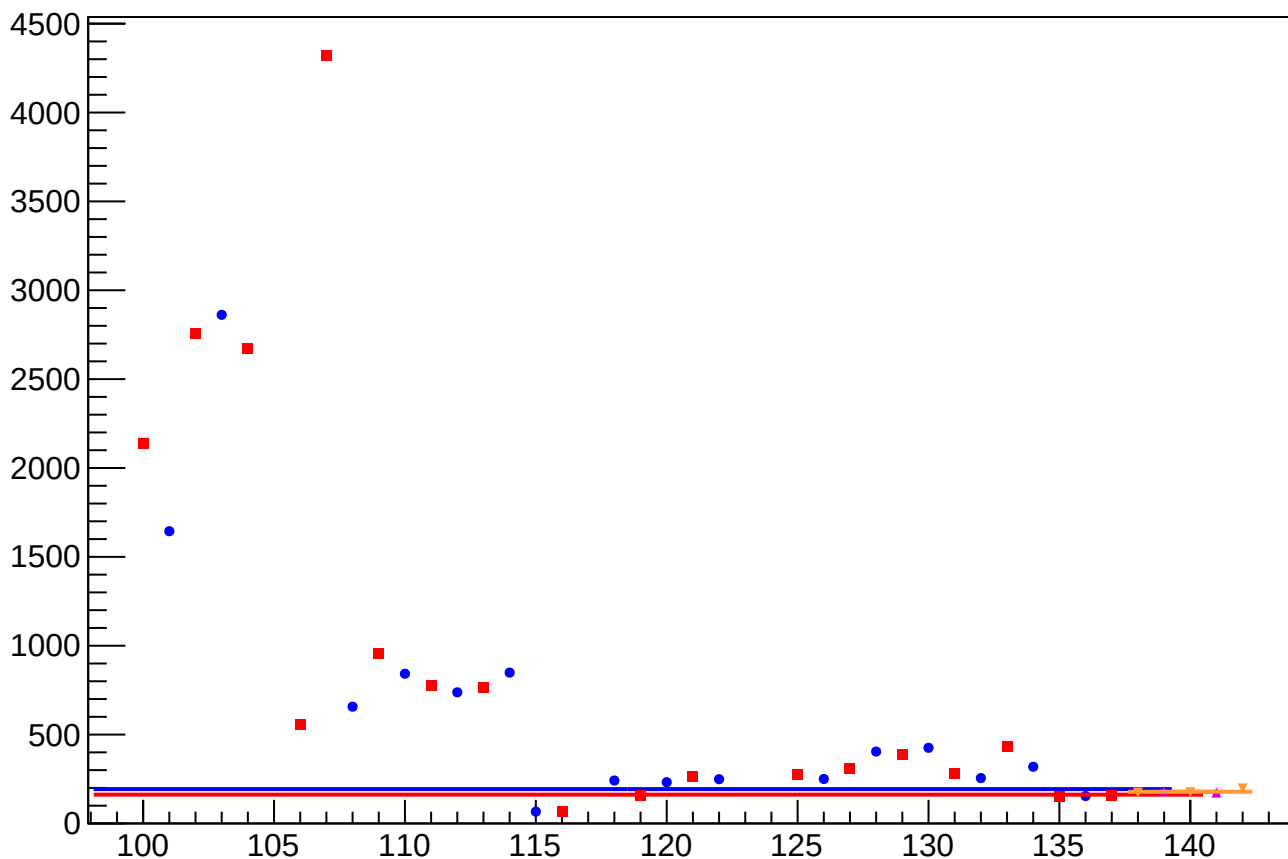
Left In: -97.450 ± 135.776 χ^2/NDF : 3.8/1

+ sign -15.091 ± 74.381 χ^2/NDF : 16.2/18

All: -53.170 ± 51.993 χ^2/NDF : 35.5/38

- sign -89.553 ± 72.705 χ^2/NDF : 18.7/19

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: 178.449+/-0.089 χ^2/NDF : 9275.6/2

Right Out: 162.114+/-0.061 χ^2/NDF : 7070489.1/17

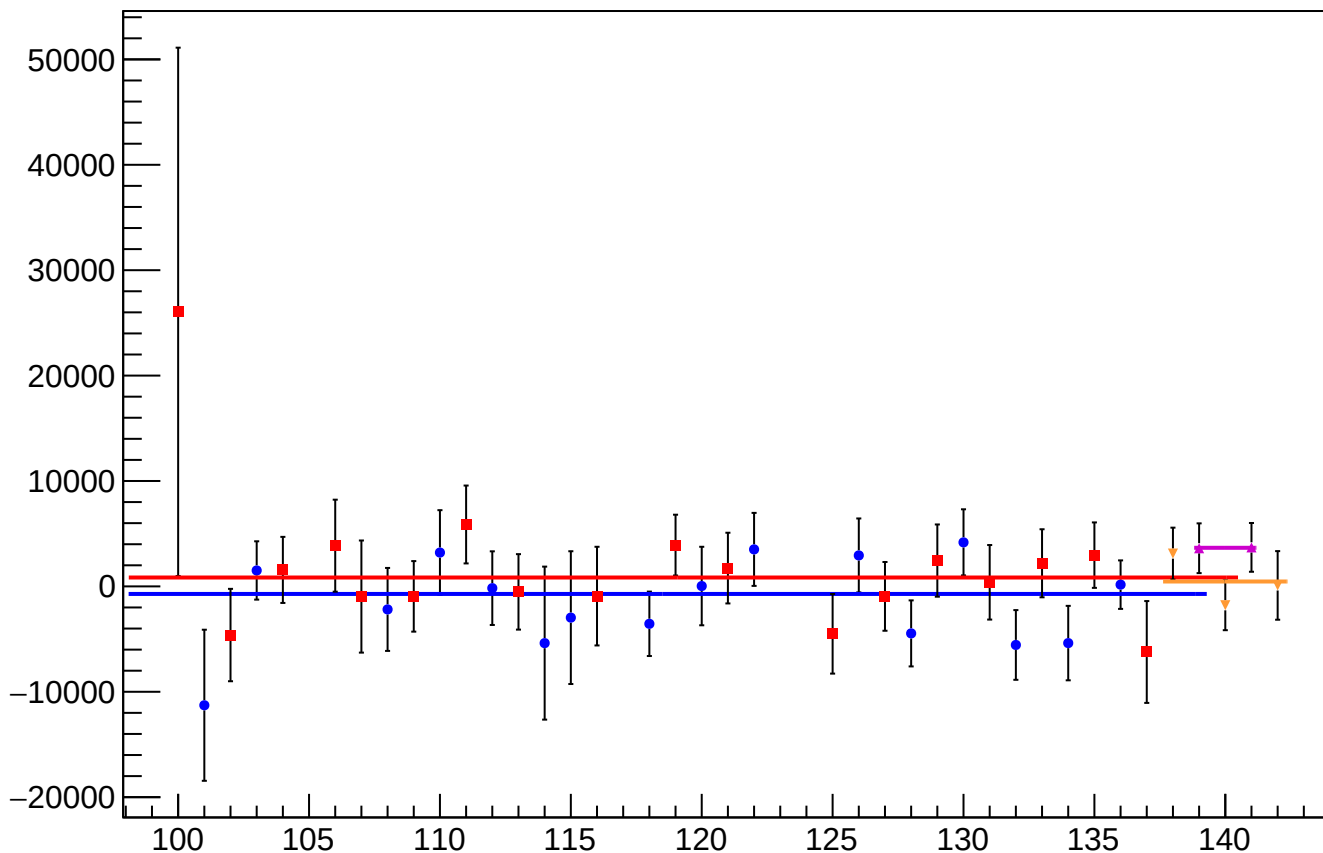
Left In: 177.899+/-0.096 χ^2/NDF : 1779.4/1

+ sign 188.042+/-0.053 χ^2/NDF : 5645202.7/18

All: 177.097+/-0.037 χ^2/NDF : 12821424.2/38

- sign 166.640+/-0.051 χ^2/NDF : 7091548.3/19

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137 ± 873.539 χ^2/NDF : 15.8/15

Left Out: 463.540 ± 1510.771 χ^2/NDF : 2.1/2

Right Out: 842.159 ± 873.586 χ^2/NDF : 12.2/17

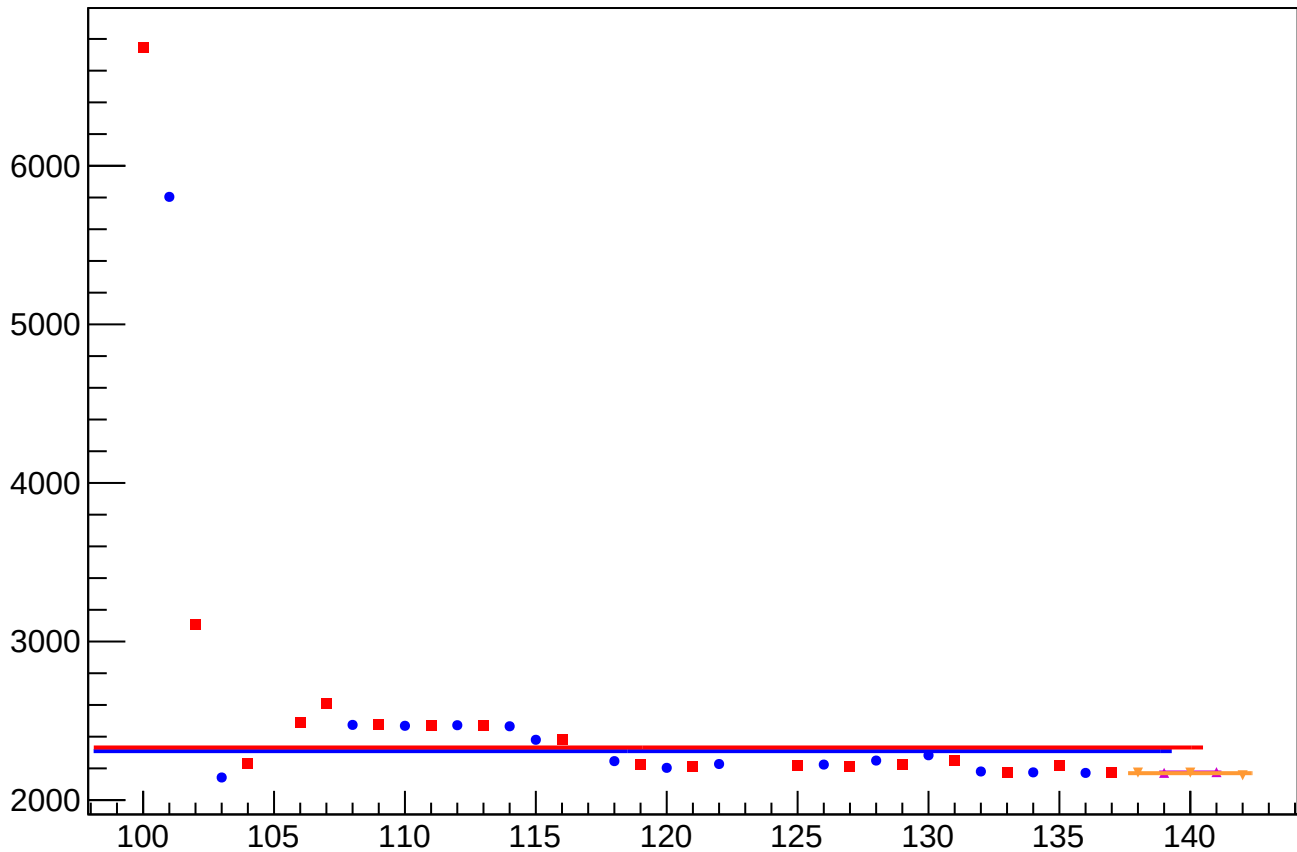
Left In: 3661.136 ± 1652.219 χ^2/NDF : 0.0/1

+ sign -421.311 ± 756.226 χ^2/NDF : 18.4/18

All: 498.634 ± 540.319 χ^2/NDF : 35.8/38

- sign 1458.054 ± 772.281 χ^2/NDF : 14.4/19

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF : 513742.2/15

Left Out: 2169.756+/-1.068 χ^2/NDF : 43.5/2

Right Out: 2331.849+/-0.618 χ^2/NDF : 167321.6/17

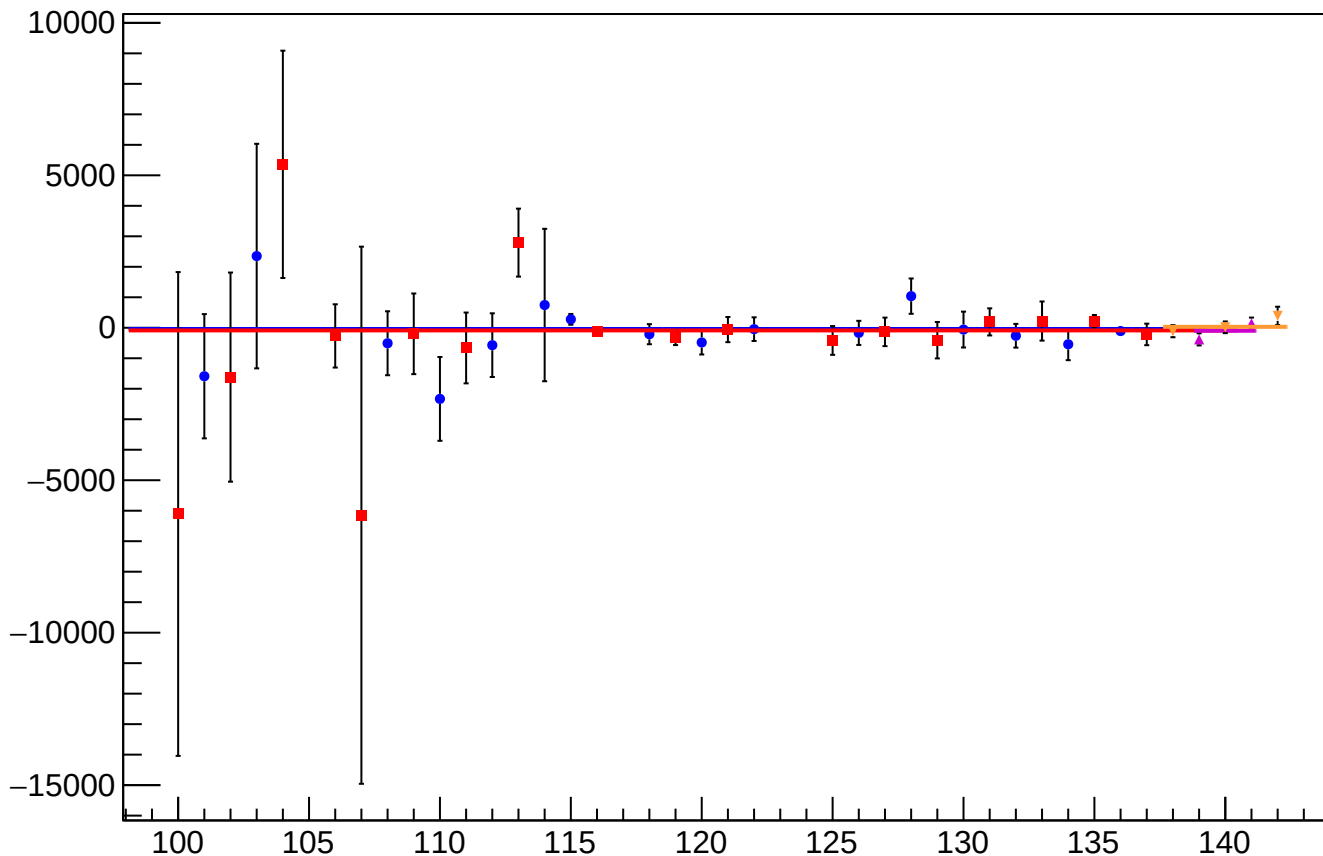
Left In: 2174.293+/-1.168 χ^2/NDF : 3.9/1

+ sign 2273.916+/-0.535 χ^2/NDF : 526470.9/18

All: 2285.424+/-0.382 χ^2/NDF : 708956.2/38

- sign 2297.426+/-0.546 χ^2/NDF : 181539.1/19

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -40.116 $\pm$ 92.408 χ^2 /NDF: 14.1/15

Left Out: 30.963 $\pm$ 125.348 χ^2 /NDF: 2.0/2

Right Out: -86.380 $\pm$ 86.087 χ^2 /NDF: 15.0/17

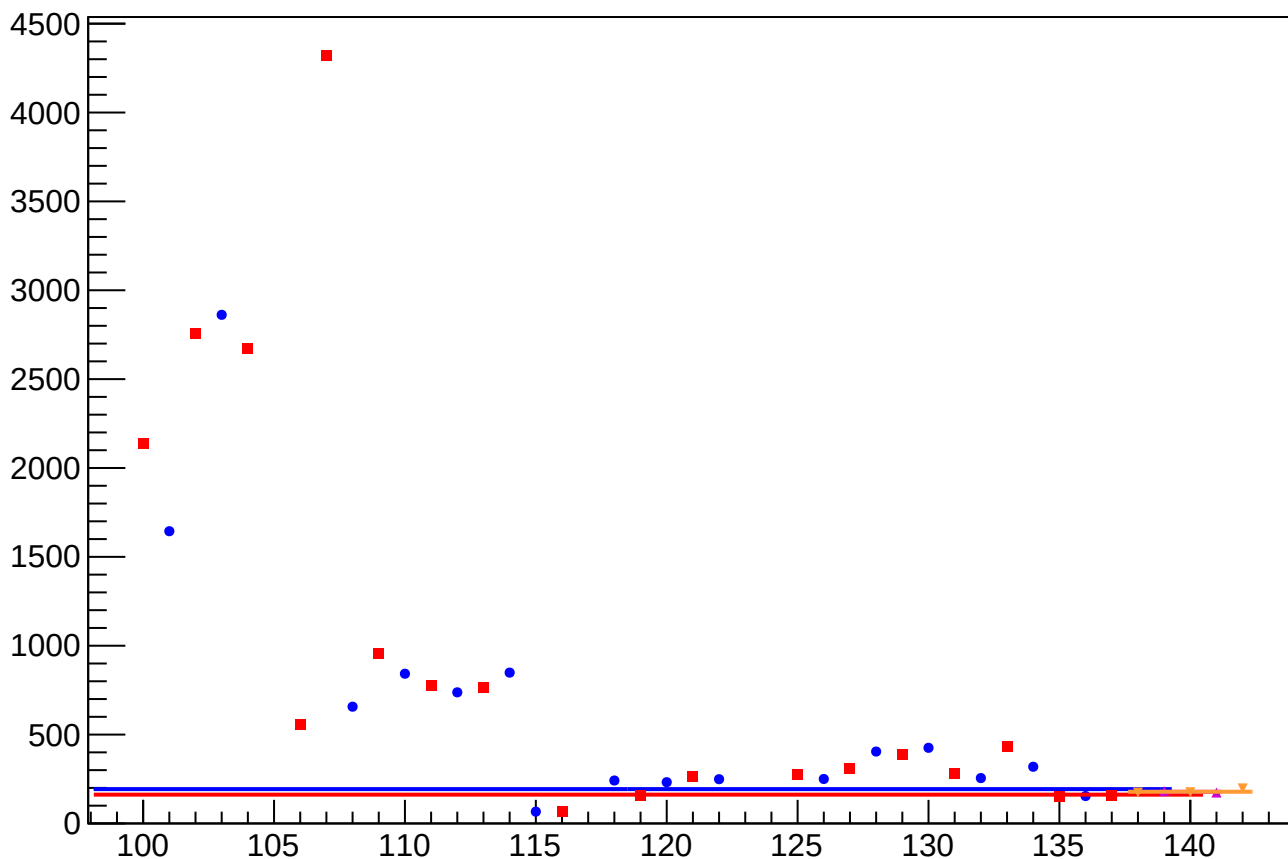
Left In: -97.446 $\pm$ 135.777 χ^2 /NDF: 3.8/1

+ sign -15.088 $\pm$ 74.381 χ^2 /NDF: 16.2/18

All: -53.169 $\pm$ 51.992 χ^2 /NDF: 35.5/38

- sign -89.553 $\pm$ 72.705 χ^2 /NDF: 18.7/19

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: 178.450+/-0.089 χ^2/NDF : 9272.8/2

Right Out: 162.112+/-0.061 χ^2/NDF : 7070547.9/17

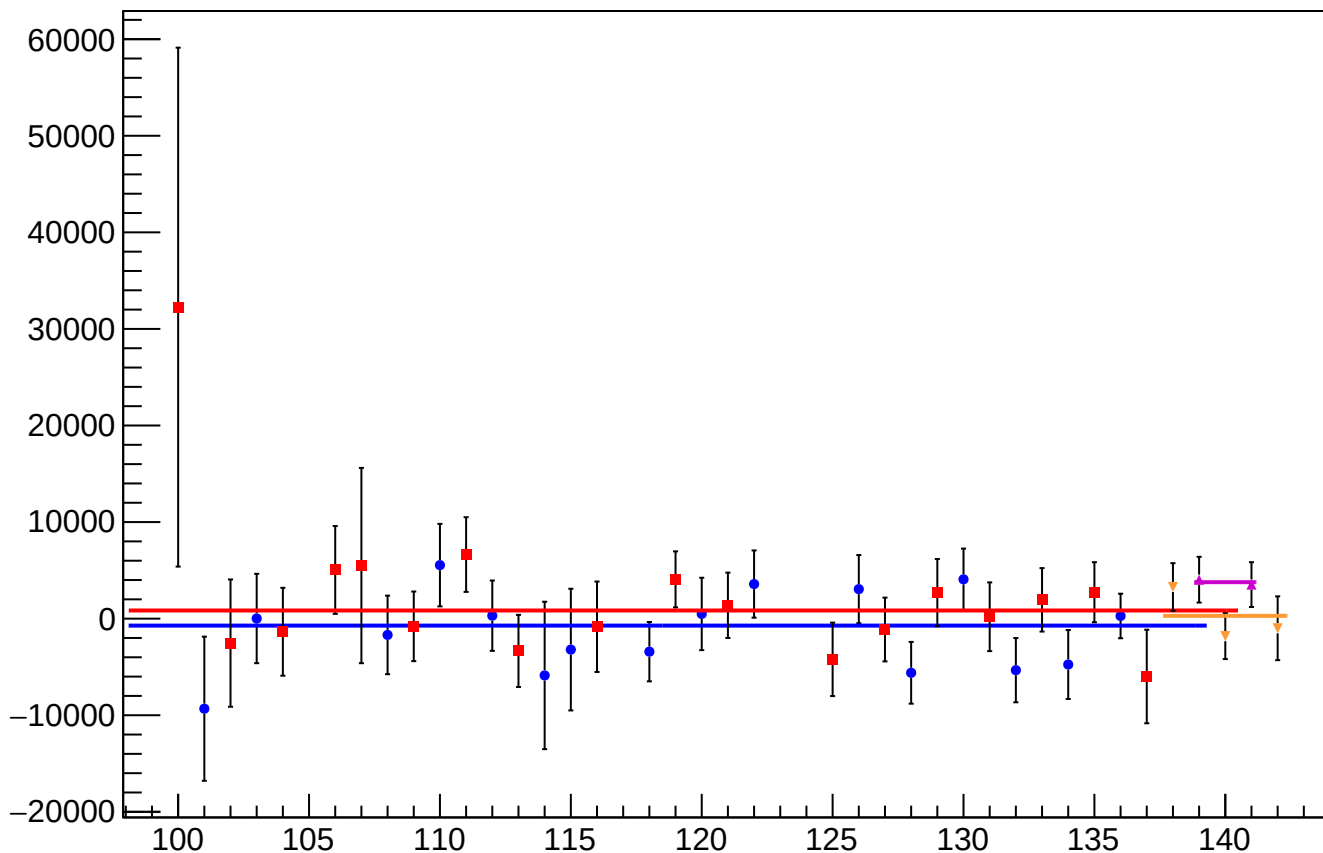
Left In: 177.900+/-0.096 χ^2/NDF : 1781.2/1

+ sign 188.041+/-0.053 χ^2/NDF : 5645228.1/18

All: 177.096+/-0.037 χ^2/NDF : 12821523.1/38

- sign 166.639+/-0.051 χ^2/NDF : 7091617.3/19

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF : 15.8/15

Left Out: 291.362+/-1519.229 χ^2/NDF : 2.4/2

Right Out: 844.810+/-928.703 χ^2/NDF : 12.9/17

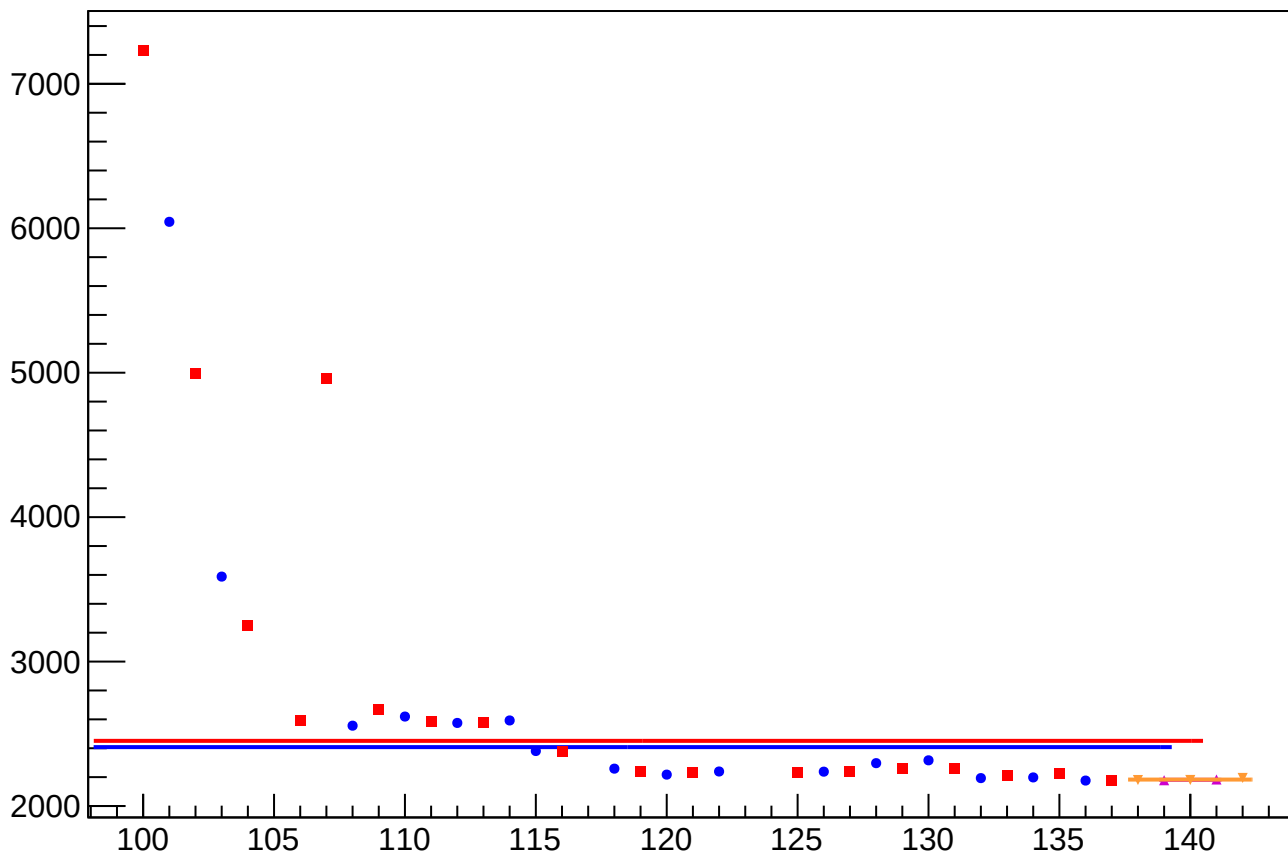
Left In: 3776.186+/-1657.478 χ^2/NDF : 0.0/1

+ sign -449.942+/-784.588 χ^2/NDF : 18.5/18

All: 515.616+/-563.622 χ^2/NDF : 37.0/38

- sign 1545.218+/-810.191 χ^2/NDF : 15.3/19

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF : 676891.3/15

Left Out: 2183.135+/-1.074 χ^2/NDF : 29.2/2

Right Out: 2451.189+/-0.657 χ^2/NDF : 633600.1/17

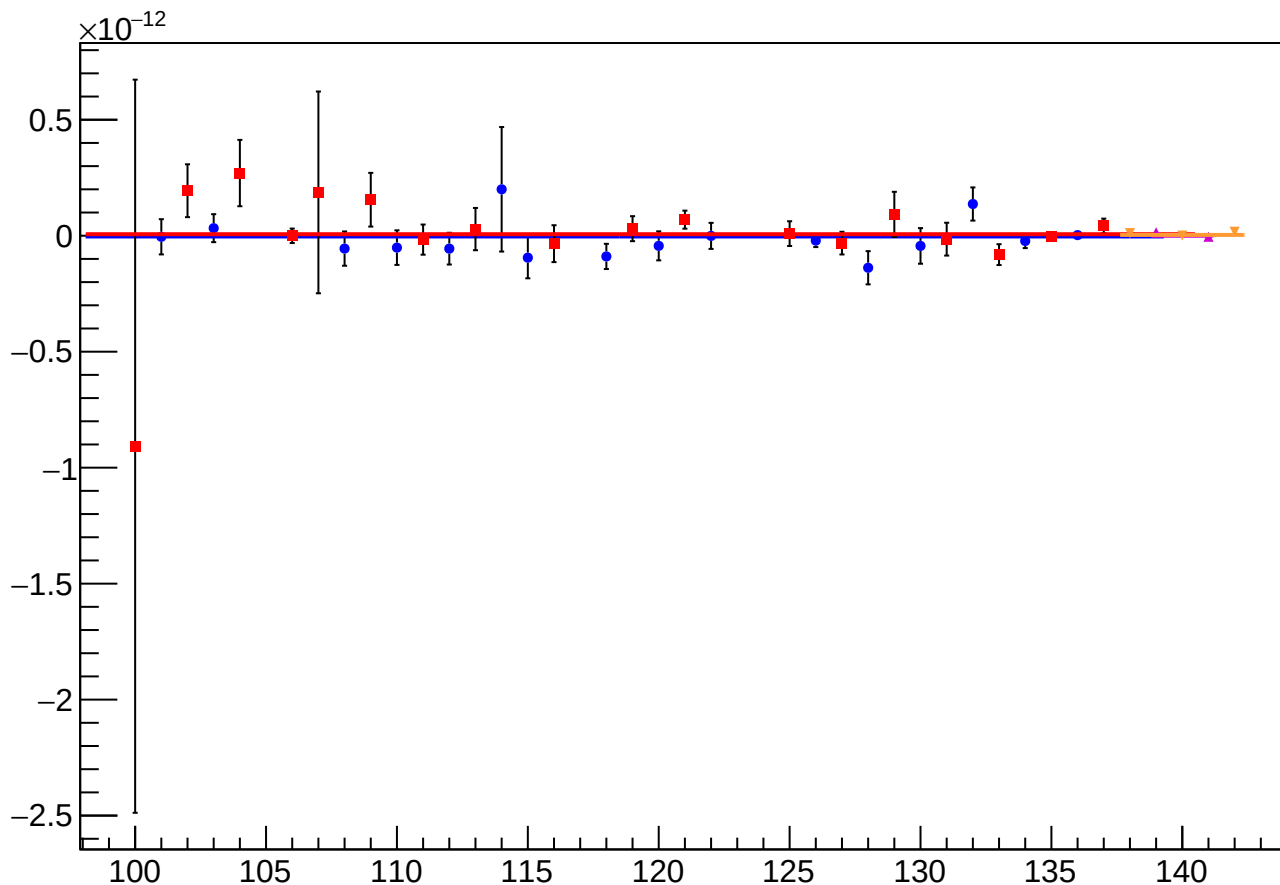
Left In: 2181.211+/-1.172 χ^2/NDF : 5.0/1

+ sign 2347.876+/-0.555 χ^2/NDF : 708991.4/18

All: 2366.656+/-0.399 χ^2/NDF : 1385348.5/38

- sign 2386.682+/-0.573 χ^2/NDF : 673989.3/19

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 2.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 18.9/17

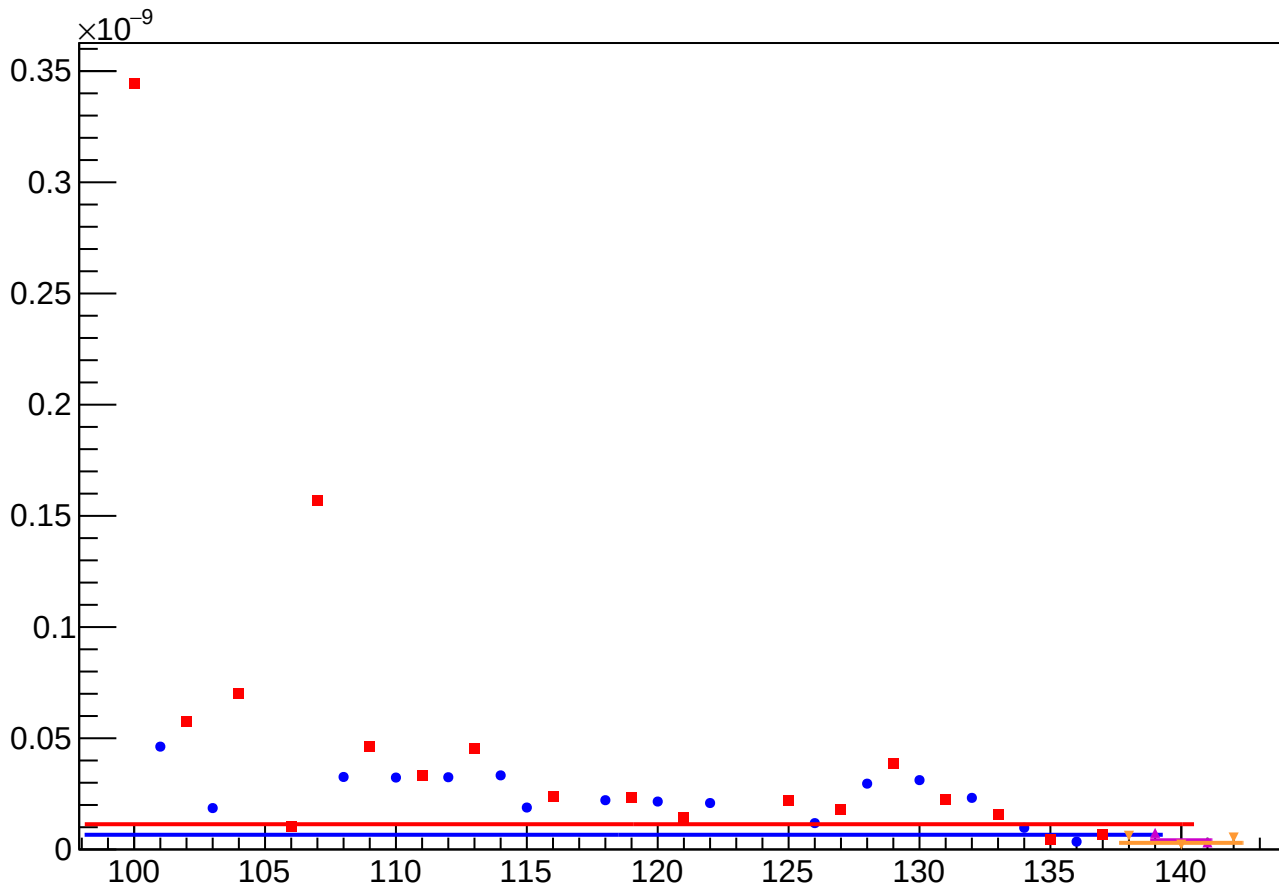
Left In: -0.000+/-0.000 χ^2/NDF : 2.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 18.6/18

All: 0.000+/-0.000 χ^2/NDF : 39.8/38

- sign 0.000+/-0.000 χ^2/NDF : 21.2/19

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 : 350156.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2697712.1/17

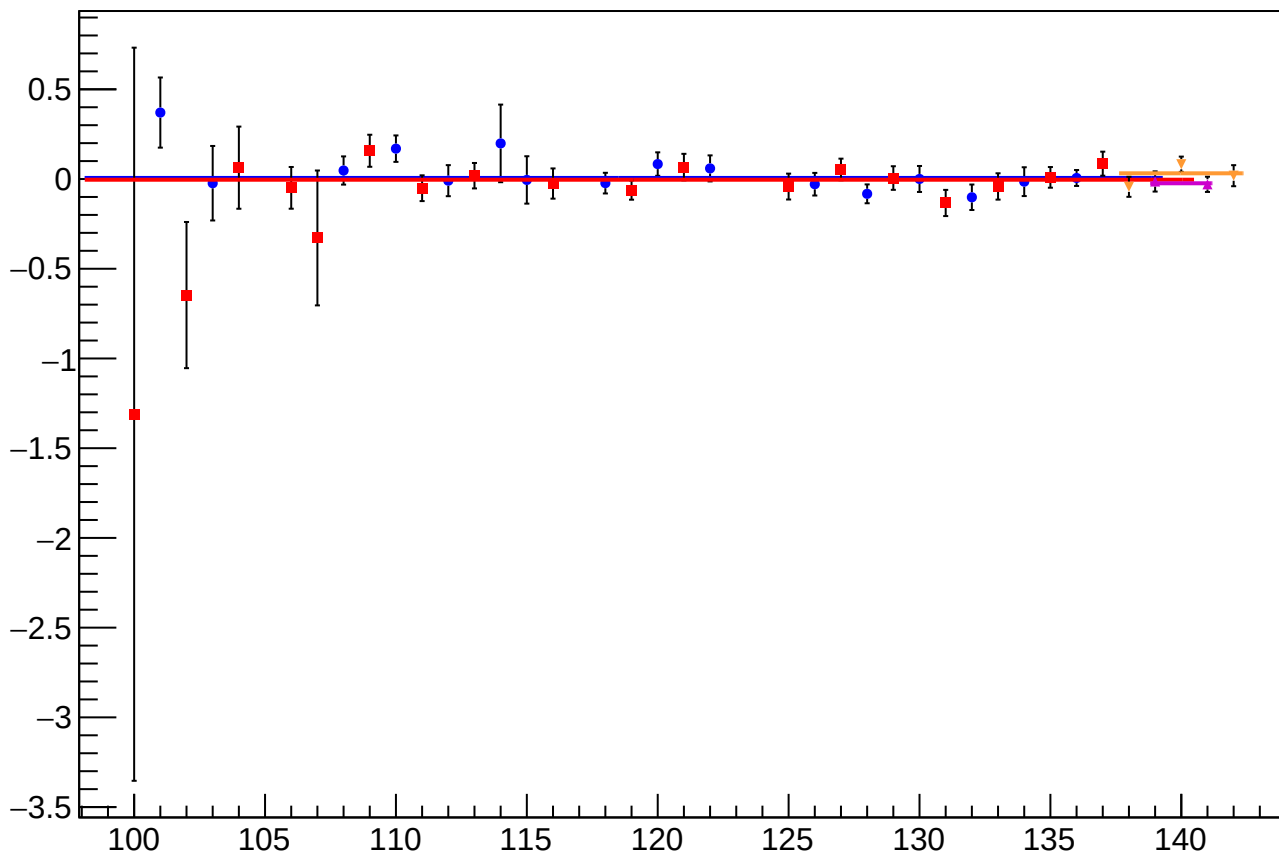
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 200514.5/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3704590.3/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7669954.0/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3715048.4/19

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.018 χ^2/NDF : 17.2/15

Left Out: 0.032 ± 0.029 χ^2/NDF : 3.3/2

Right Out: -0.004 ± 0.019 χ^2/NDF : 16.3/17

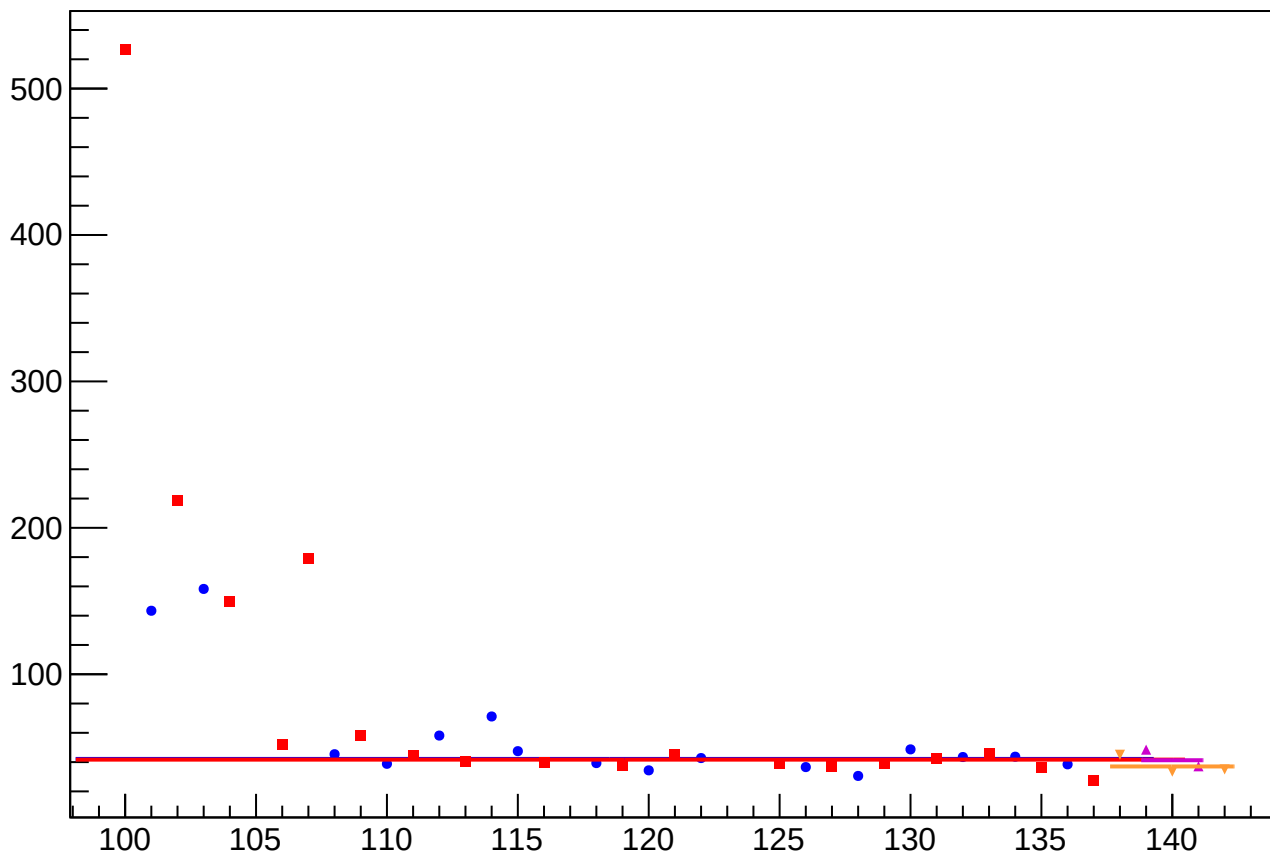
Left In: -0.024 ± 0.034 χ^2/NDF : 0.1/1

+ sign 0.013 ± 0.016 χ^2/NDF : 21.0/18

All: 0.003 ± 0.011 χ^2/NDF : 38.6/38

- sign -0.008 ± 0.016 χ^2/NDF : 16.6/19

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.165+/-0.013 χ^2/NDF : 1454378.8/15

Left Out: 37.030+/-0.021 χ^2/NDF : 57241.4/2

Right Out: 41.692+/-0.013 χ^2/NDF : 1441204.7/17

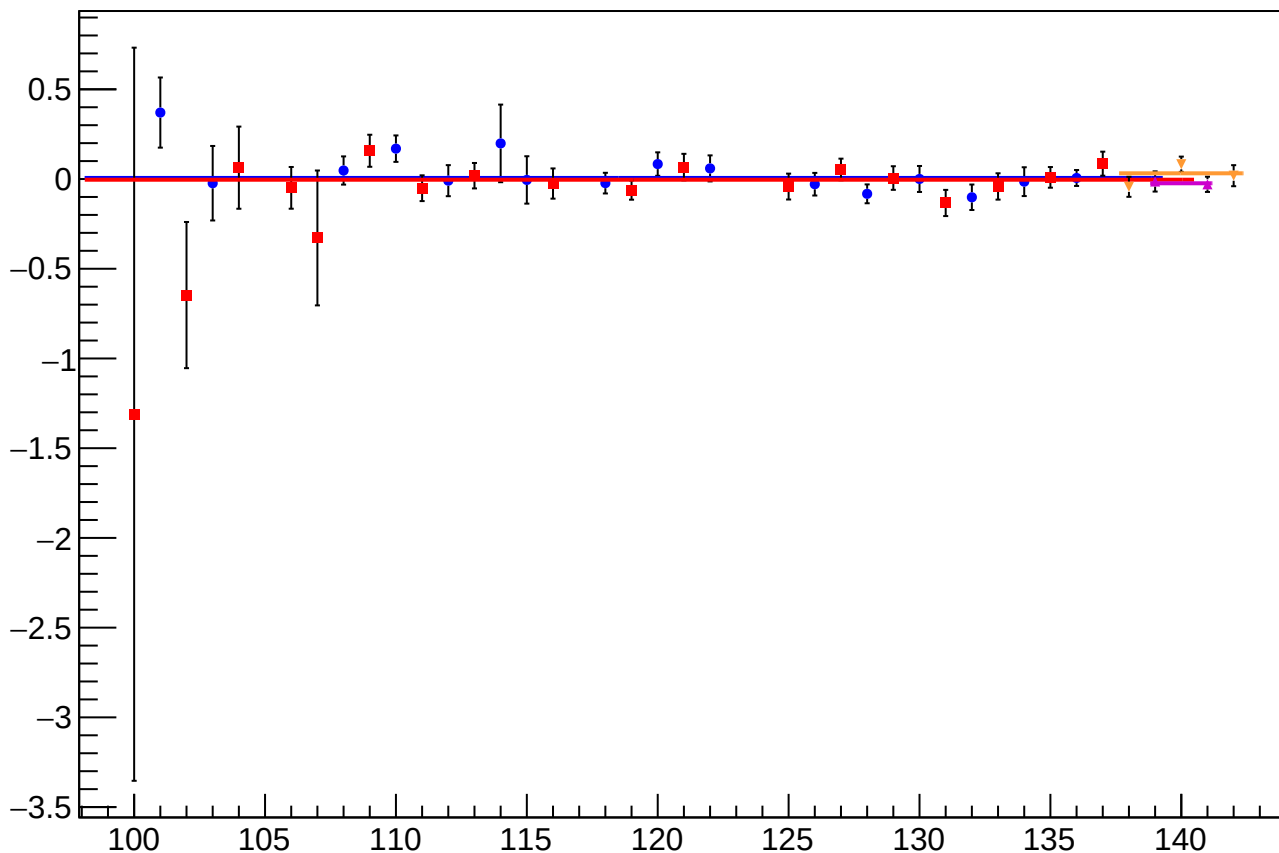
Left In: 41.280+/-0.024 χ^2/NDF : 51877.6/1

+ sign 40.731+/-0.011 χ^2/NDF : 1555793.9/18

All: 41.142+/-0.008 χ^2/NDF : 3052061.6/38

- sign 41.597+/-0.012 χ^2/NDF : 1493309.1/19

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.018 χ^2 /NDF: 17.2/15

Left Out: 0.032 $\pm$ 0.029 χ^2 /NDF: 3.3/2

Right Out: -0.004 $\pm$ 0.019 χ^2 /NDF: 16.3/17

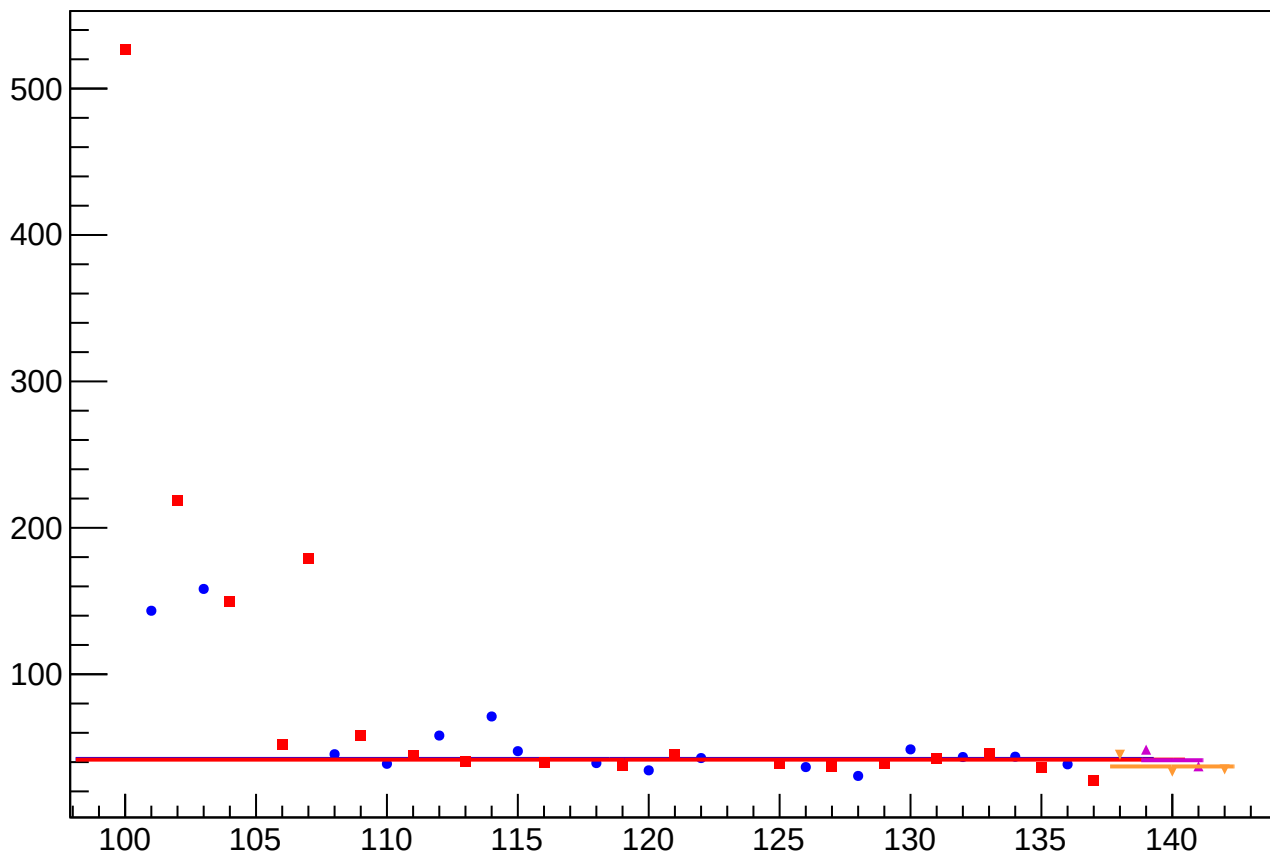
Left In: -0.024 $\pm$ 0.034 χ^2 /NDF: 0.1/1

+ sign 0.013 $\pm$ 0.016 χ^2 /NDF: 21.0/18

All: 0.003 $\pm$ 0.011 χ^2 /NDF: 38.6/38

- sign -0.008 $\pm$ 0.016 χ^2 /NDF: 16.6/19

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.165+/-0.013 χ^2/NDF : 1454378.8/15

Left Out: 37.030+/-0.021 χ^2/NDF : 57241.4/2

Right Out: 41.692+/-0.013 χ^2/NDF : 1441204.7/17

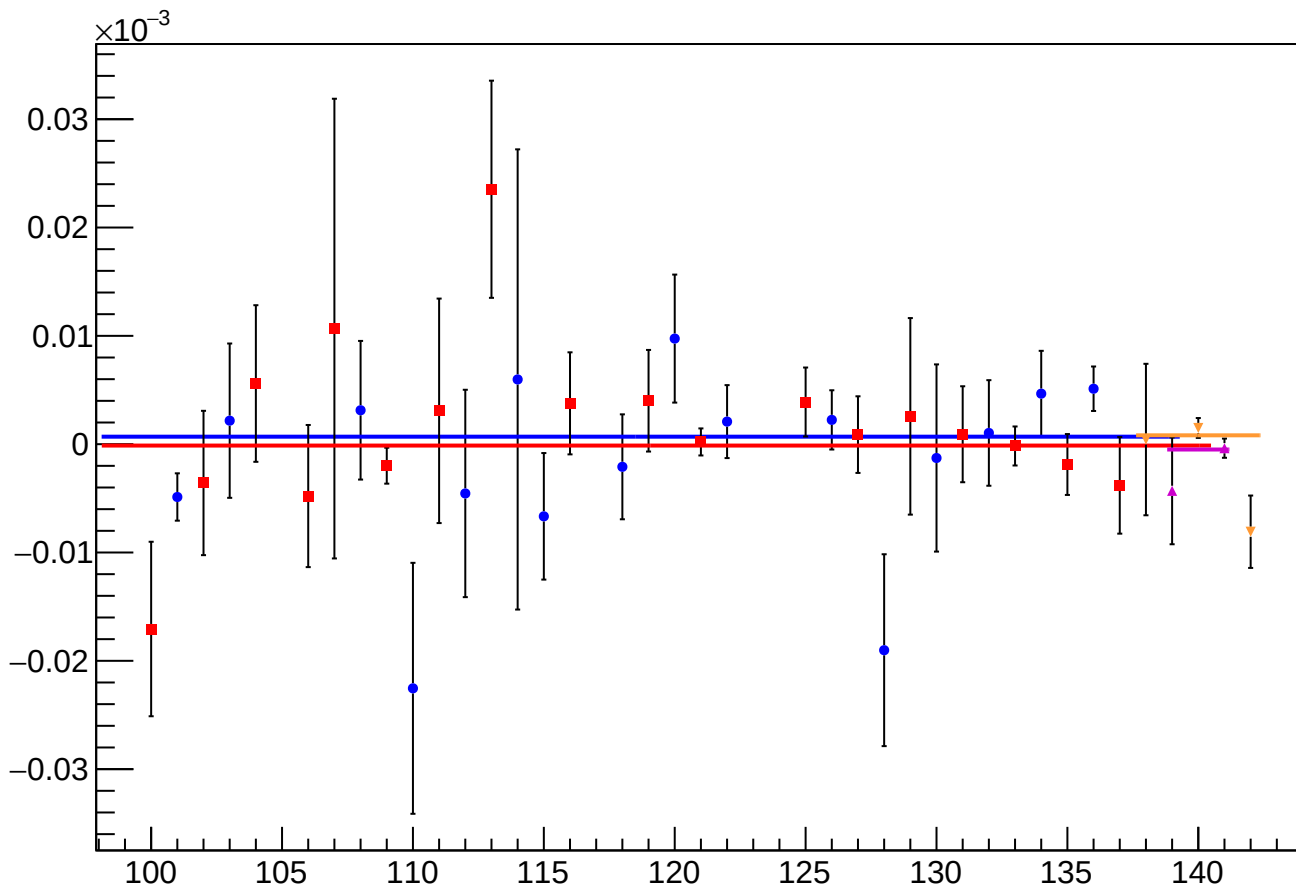
Left In: 41.280+/-0.024 χ^2/NDF : 51877.6/1

+ sign 40.731+/-0.011 χ^2/NDF : 1555793.9/18

All: 41.142+/-0.008 χ^2/NDF : 3052061.6/38

- sign 41.597+/-0.012 χ^2/NDF : 1493309.1/19

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7.6/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/17

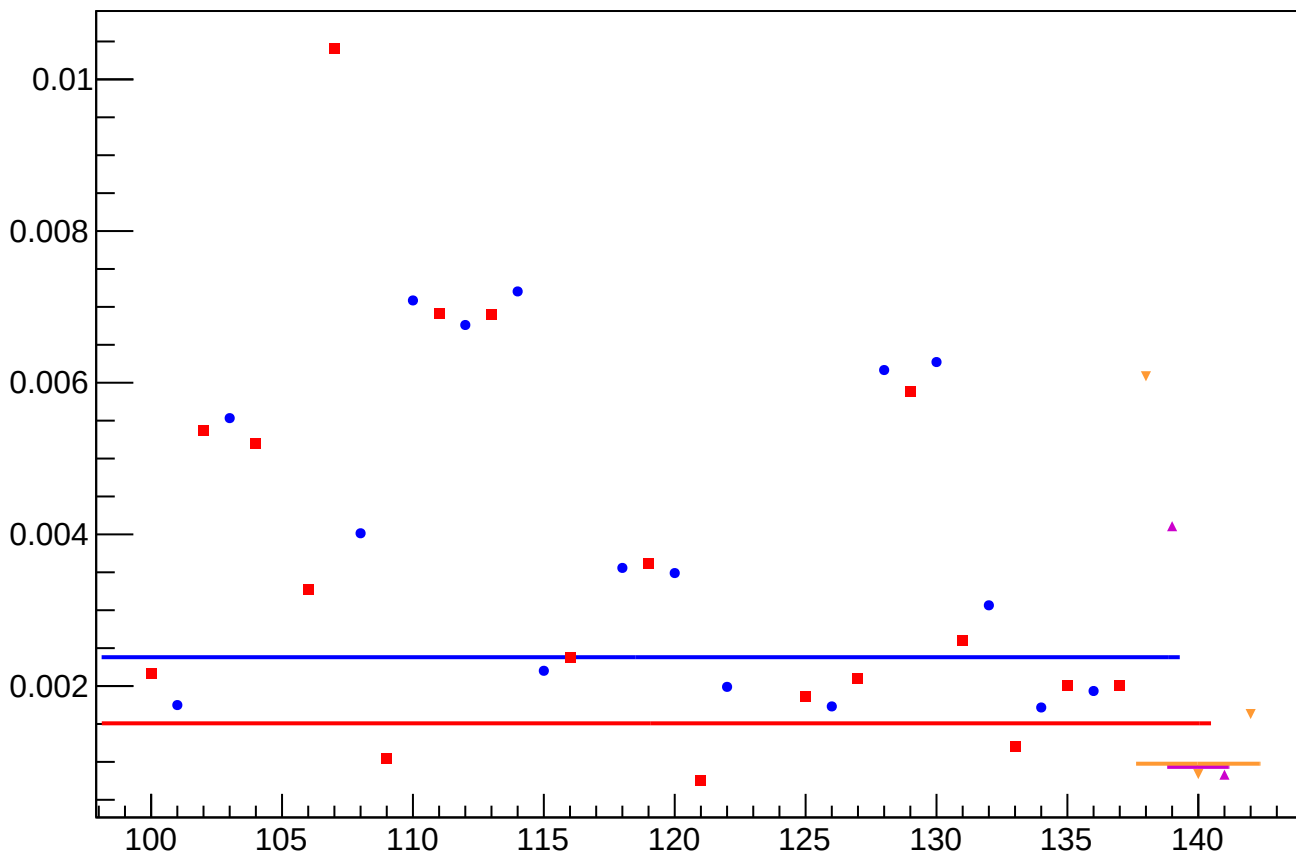
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34.1/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 53.7/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/19

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 :1189765.3/2

Right Out: 0.002+/-0.000 χ^2/NDF : 5001667.0/17

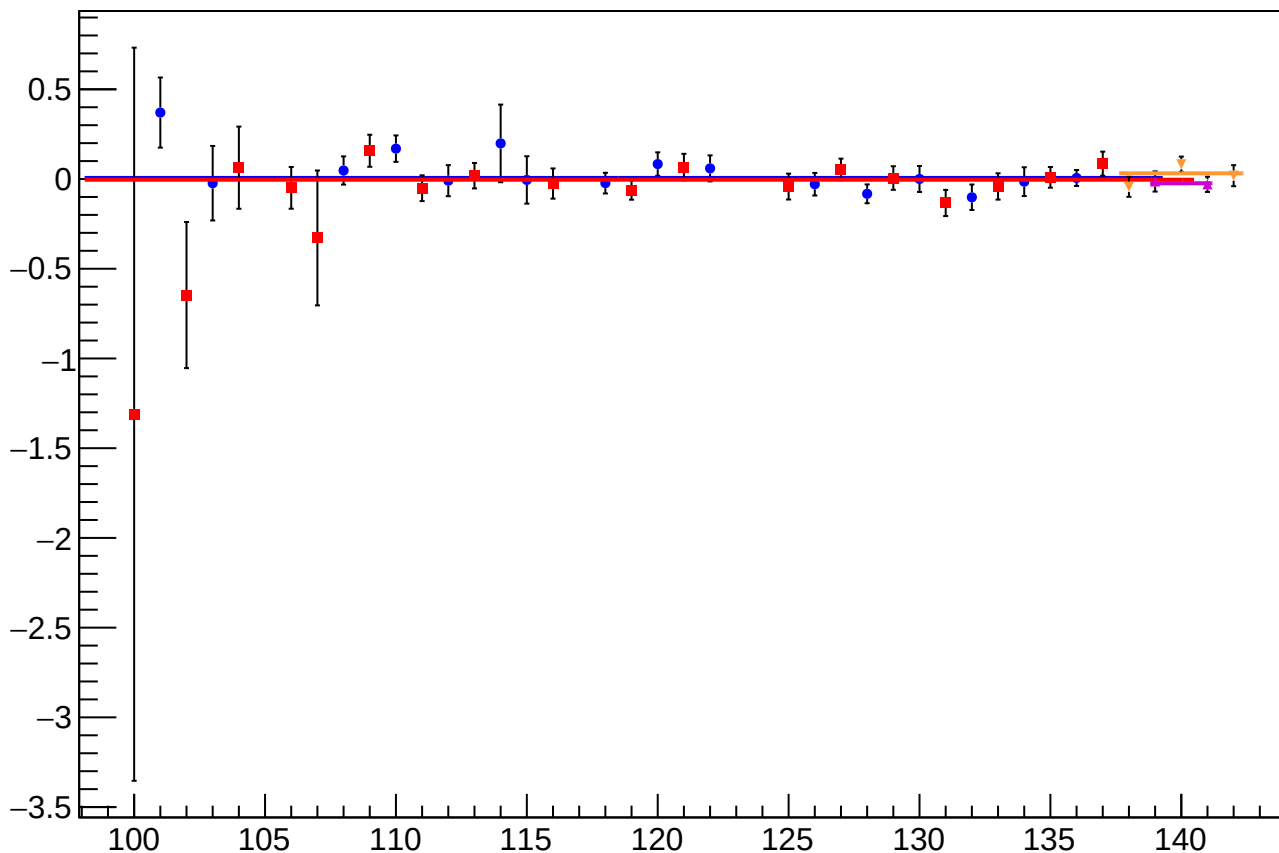
Left In: 0.001+/-0.000 χ^2/NDF :854659.9/1

+ sign 0.002+/-0.000 χ^2/NDF : 6207279.4/18

All: 0.001+/-0.000 χ^2/NDF : 12816363.9/38

- sign 0.001+/-0.000 χ^2/NDF : 6370445.5/19

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: 0.032 $\pm$ 0.029 χ^2 /NDF: 3.3/2

Right Out: -0.004 $\pm$ 0.019 χ^2 /NDF: 16.3/17

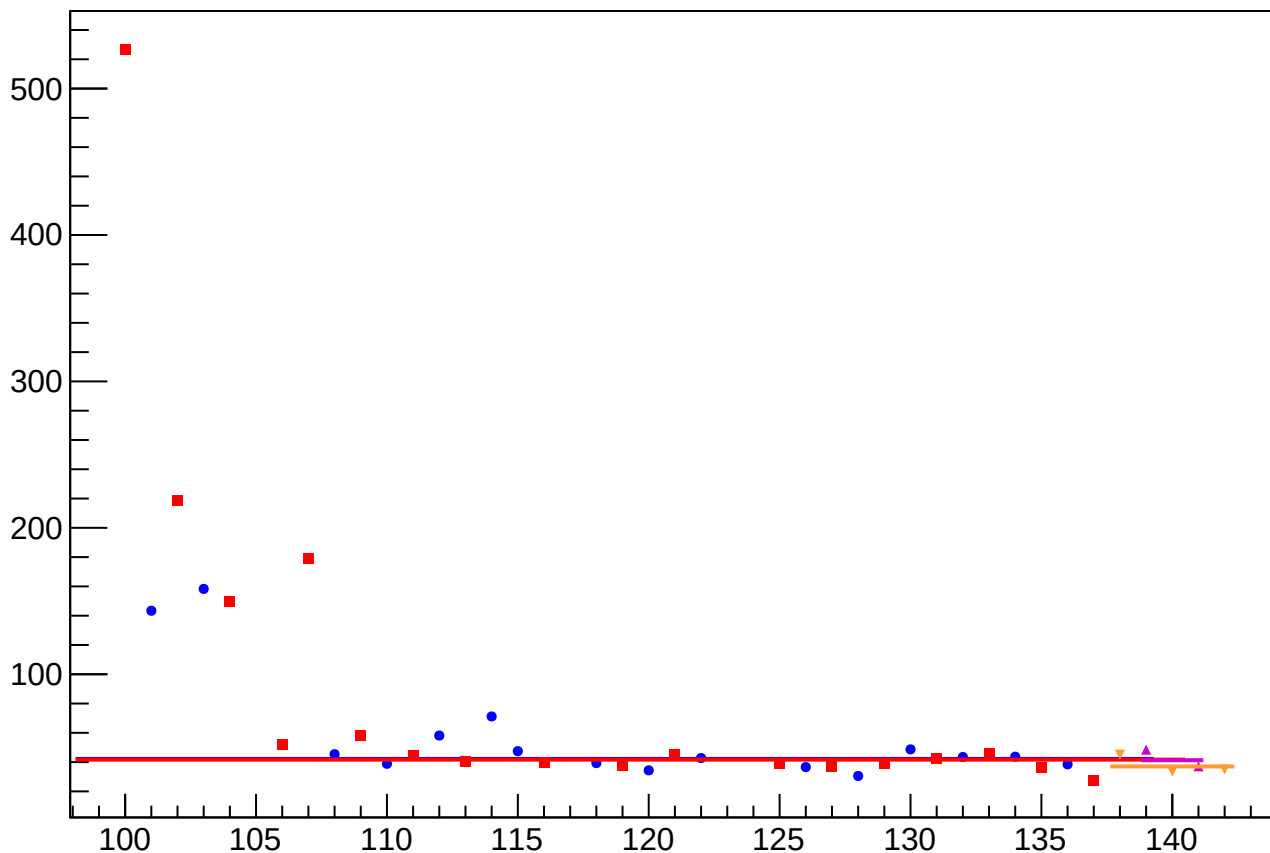
Left In: -0.024 $\pm$ 0.034 χ^2 /NDF: 0.1/1

+ sign 0.013 $\pm$ 0.016 χ^2 /NDF: 21.0/18

All: 0.003 $\pm$ 0.011 χ^2 /NDF: 38.6/38

- sign -0.008 $\pm$ 0.016 χ^2 /NDF: 16.6/19

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: 37.030 $\pm$ 0.021 χ^2 /NDF: 57224.7/2

Right Out: 41.692 $\pm$ 0.013 χ^2 /NDF: 1441185.4/17

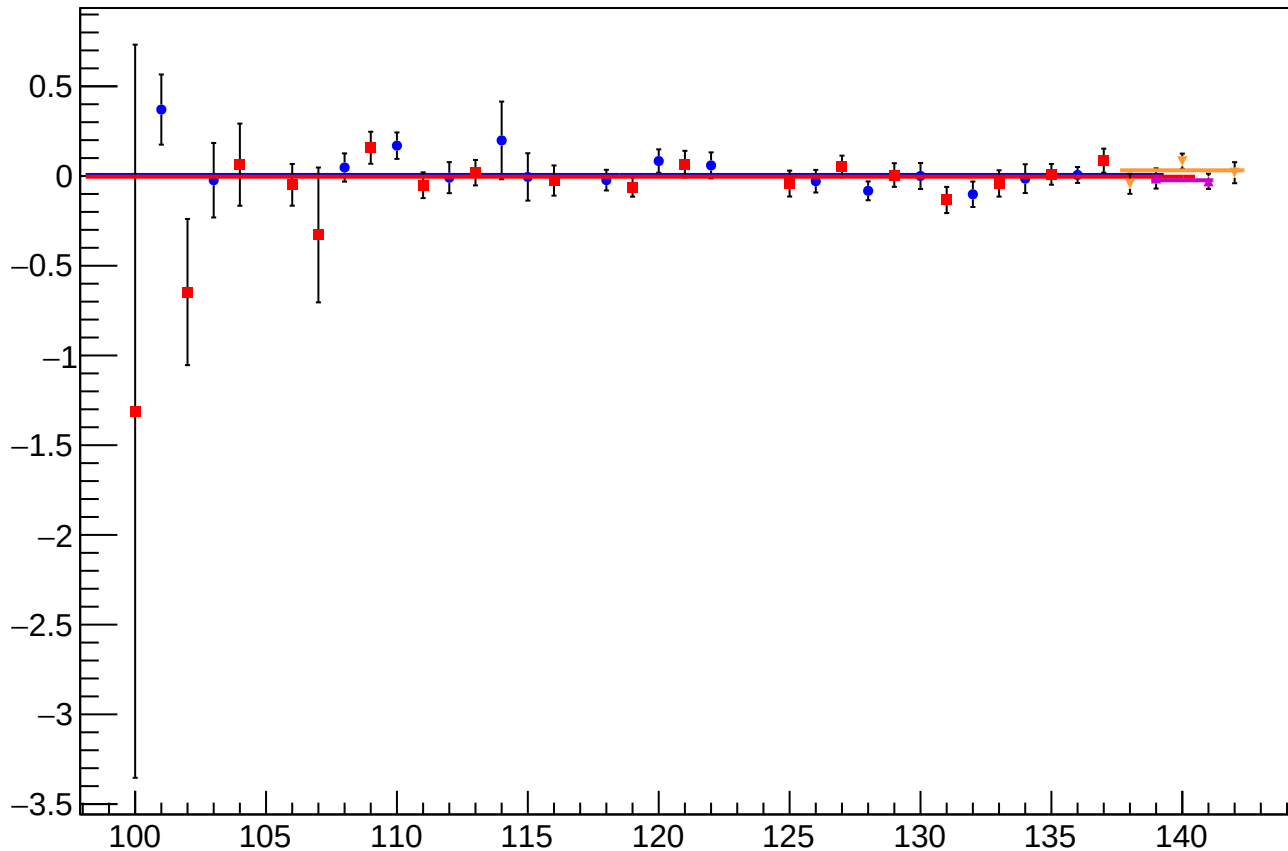
Left In: 41.280 $\pm$ 0.024 χ^2 /NDF: 51884.0/1

+ sign 40.730 $\pm$ 0.011 χ^2 /NDF: 1555941.5/18

All: 41.142 $\pm$ 0.008 χ^2 /NDF: 3052210.0/38

- sign 41.597 $\pm$ 0.012 χ^2 /NDF: 1493296.3/19

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.018 χ^2 /NDF: 17.2/15

Left Out: 0.032 $\pm$ 0.029 χ^2 /NDF: 3.3/2

Right Out: -0.004 $\pm$ 0.019 χ^2 /NDF: 16.3/17

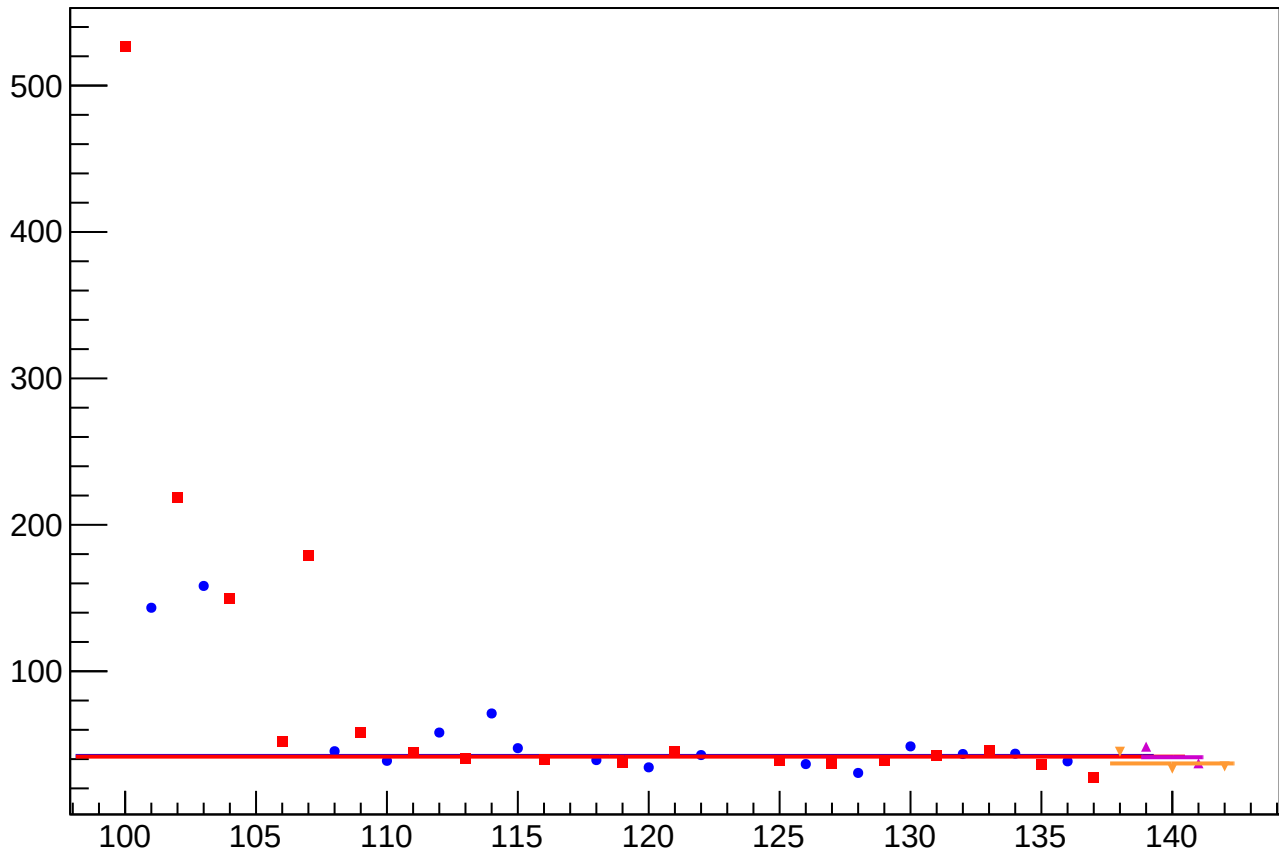
Left In: -0.024 $\pm$ 0.034 χ^2 /NDF: 0.1/1

+ sign 0.013 $\pm$ 0.016 χ^2 /NDF: 21.0/18

All: 0.003 $\pm$ 0.011 χ^2 /NDF: 38.6/38

- sign -0.008 $\pm$ 0.016 χ^2 /NDF: 16.6/19

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.163+/-0.013 χ^2/NDF : 1454592.8/15

Left Out: 37.030+/-0.021 χ^2/NDF : 57224.7/2

Right Out: 41.692+/-0.013 χ^2/NDF : 1441185.4/17

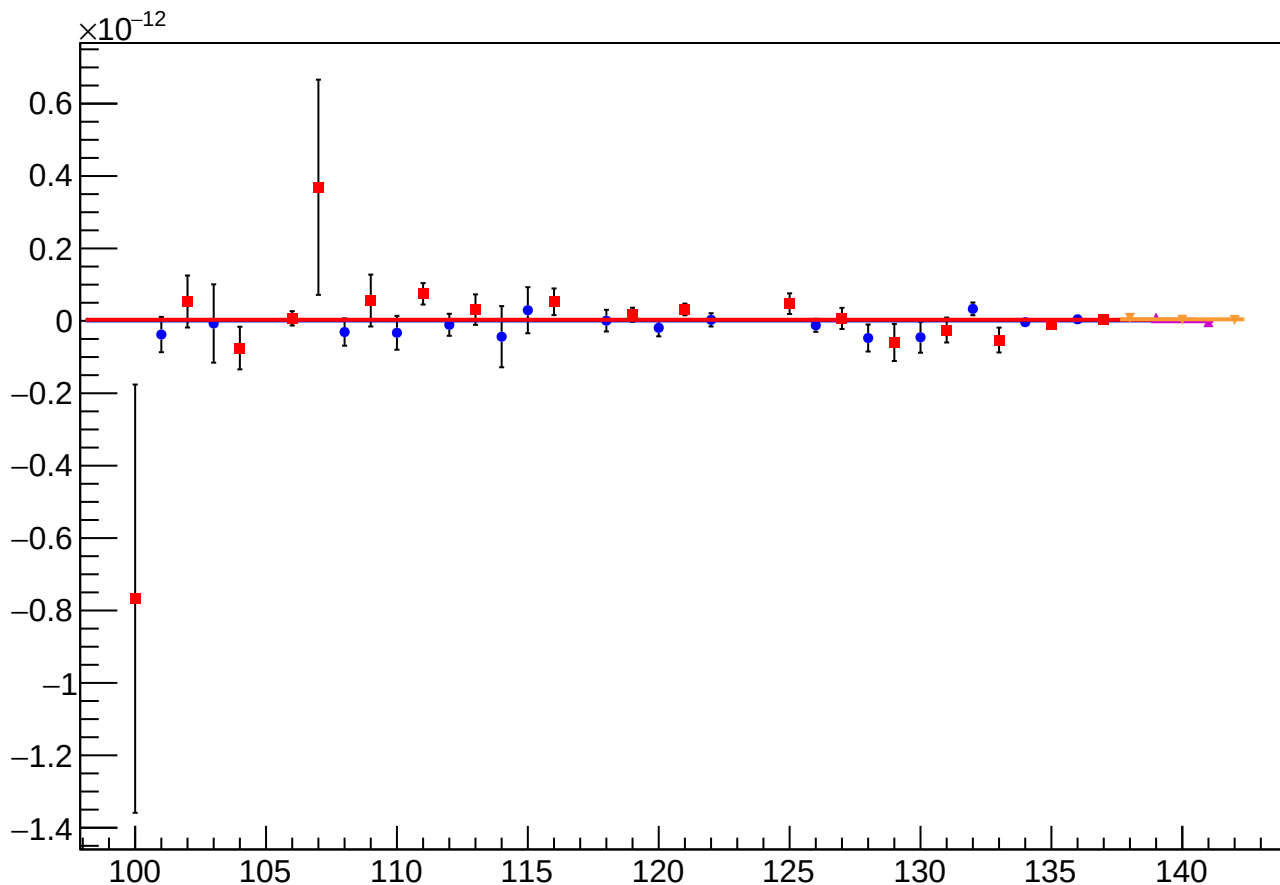
Left In: 41.280+/-0.024 χ^2/NDF : 51884.0/1

+ sign 40.730+/-0.011 χ^2/NDF : 1555941.5/18

All: 41.142+/-0.008 χ^2/NDF : 3052210.0/38

- sign 41.597+/-0.012 χ^2/NDF : 1493296.3/19

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:1.0/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.8/17

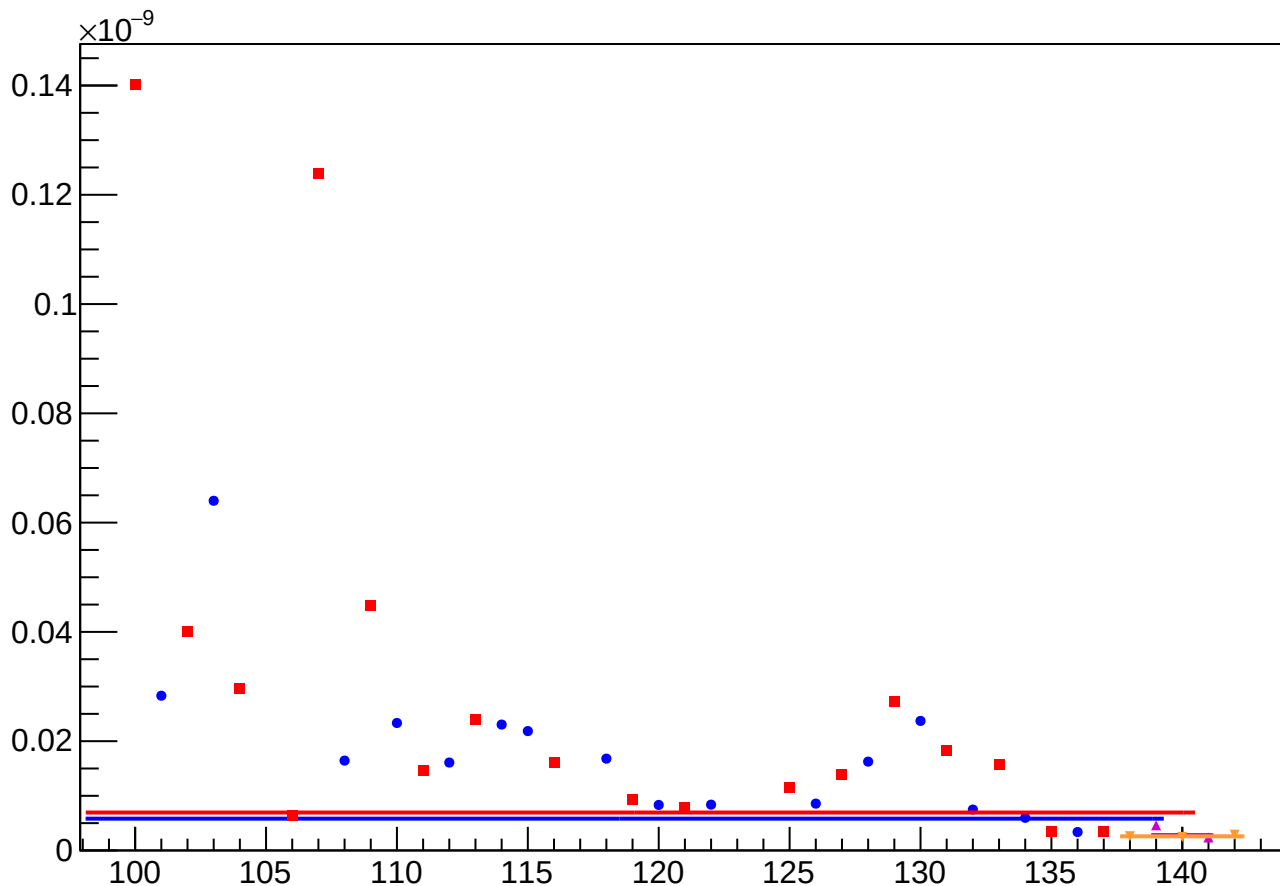
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:2.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12.0/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.9/19

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 : 8001.0/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3789910.8/17

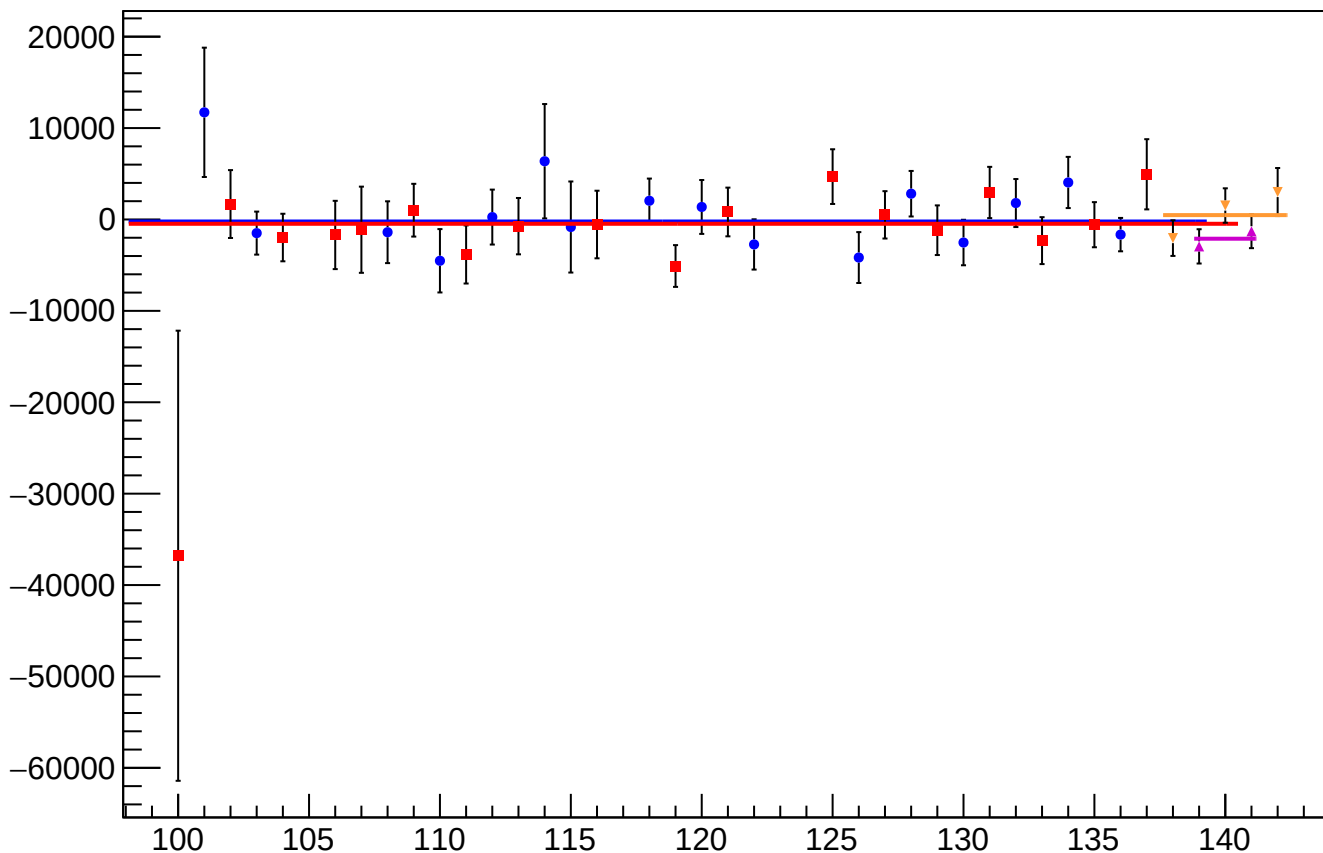
Left In: 0.000+/-0.000 χ^2/NDF : 163461.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 4285213.9/18

All: 0.000+/-0.000 χ^2/NDF : 9358909.5/38

- sign 0.000+/-0.000 χ^2/NDF : 5016532.5/19

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2 /NDF: 15.8/15

Left Out: 476.702+/-1204.465 χ^2 /NDF: 2.9/2

Right Out: -472.410+/-711.475 χ^2 /NDF: 15.9/17

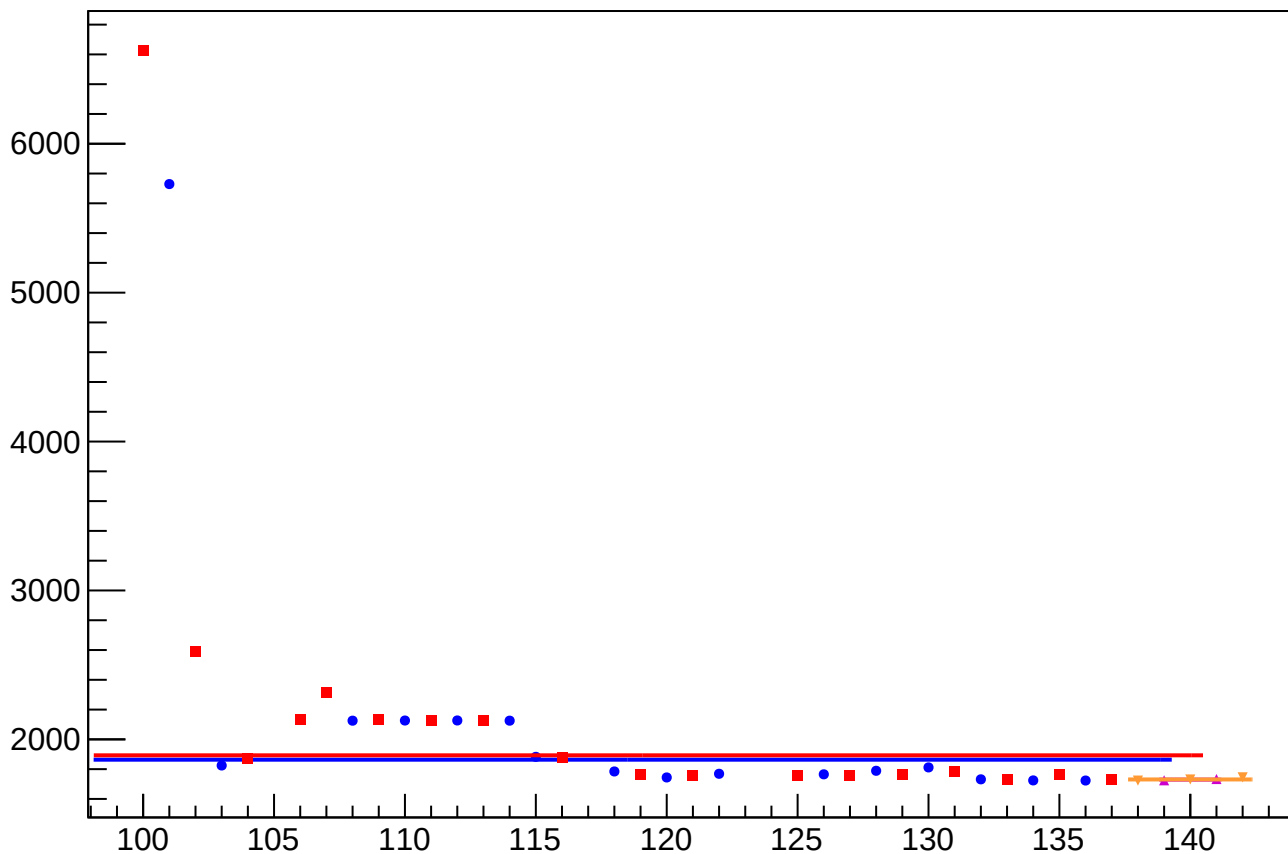
Left In: -2106.078+/-1314.234 χ^2 /NDF: 0.4/1

+ sign -42.871+/-611.099 χ^2 /NDF: 19.0/18

All: -433.349+/-437.174 χ^2 /NDF: 37.3/38

- sign -842.677+/-625.675 χ^2 /NDF: 17.5/19

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF : 674665.6/15

Left Out: 1730.804+/-0.852 χ^2/NDF : 89.7/2

Right Out: 1892.866+/-0.503 χ^2/NDF : 251512.9/17

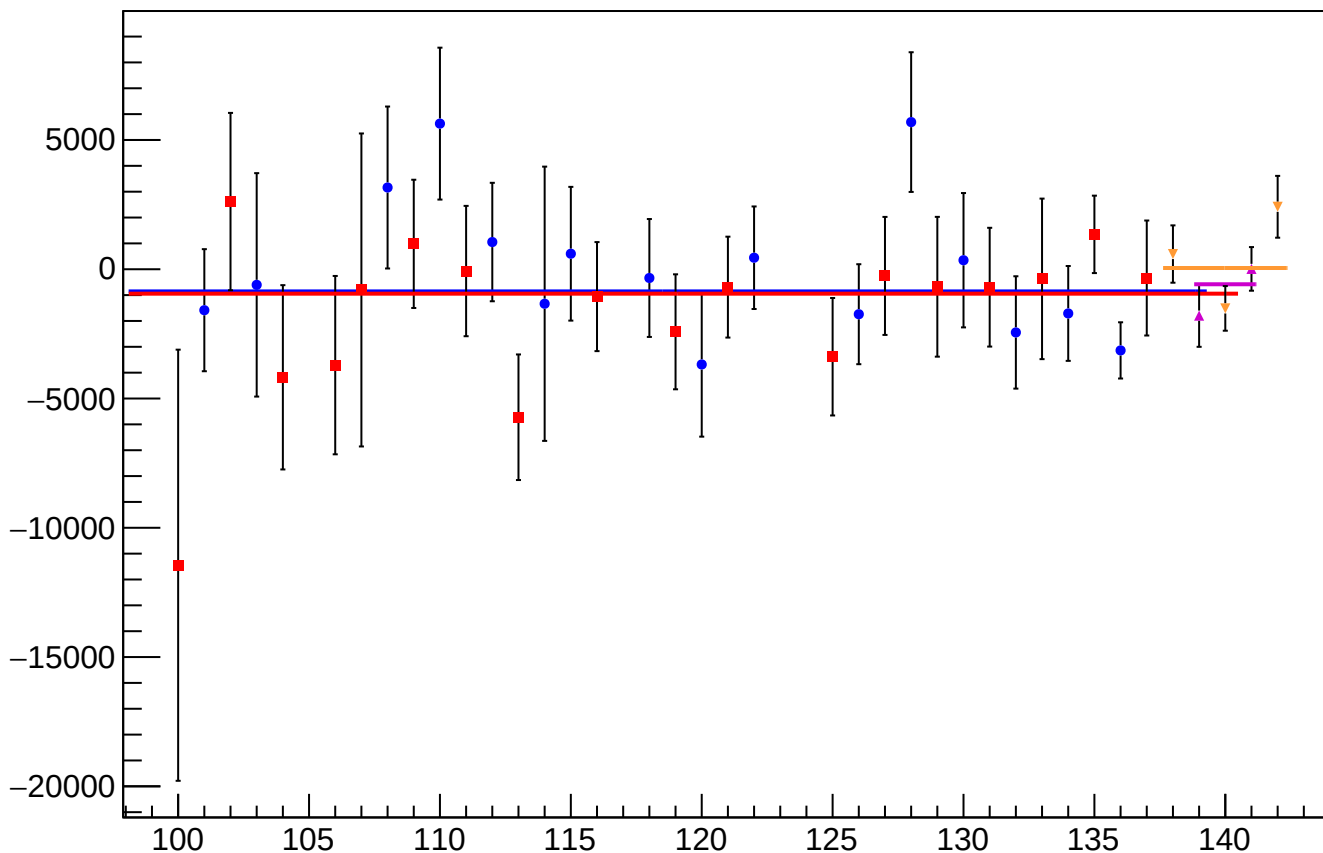
Left In: 1729.507+/-0.929 χ^2/NDF : 21.2/1

+ sign 1829.402+/-0.432 χ^2/NDF : 692803.3/18

All: 1842.310+/-0.309 χ^2/NDF : 970062.4/38

- sign 1855.841+/-0.442 χ^2/NDF : 275431.4/19

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: 48.111+/-591.903 χ^2/NDF : 7.4/2

Right Out: -944.718+/-583.967 χ^2/NDF : 12.9/17

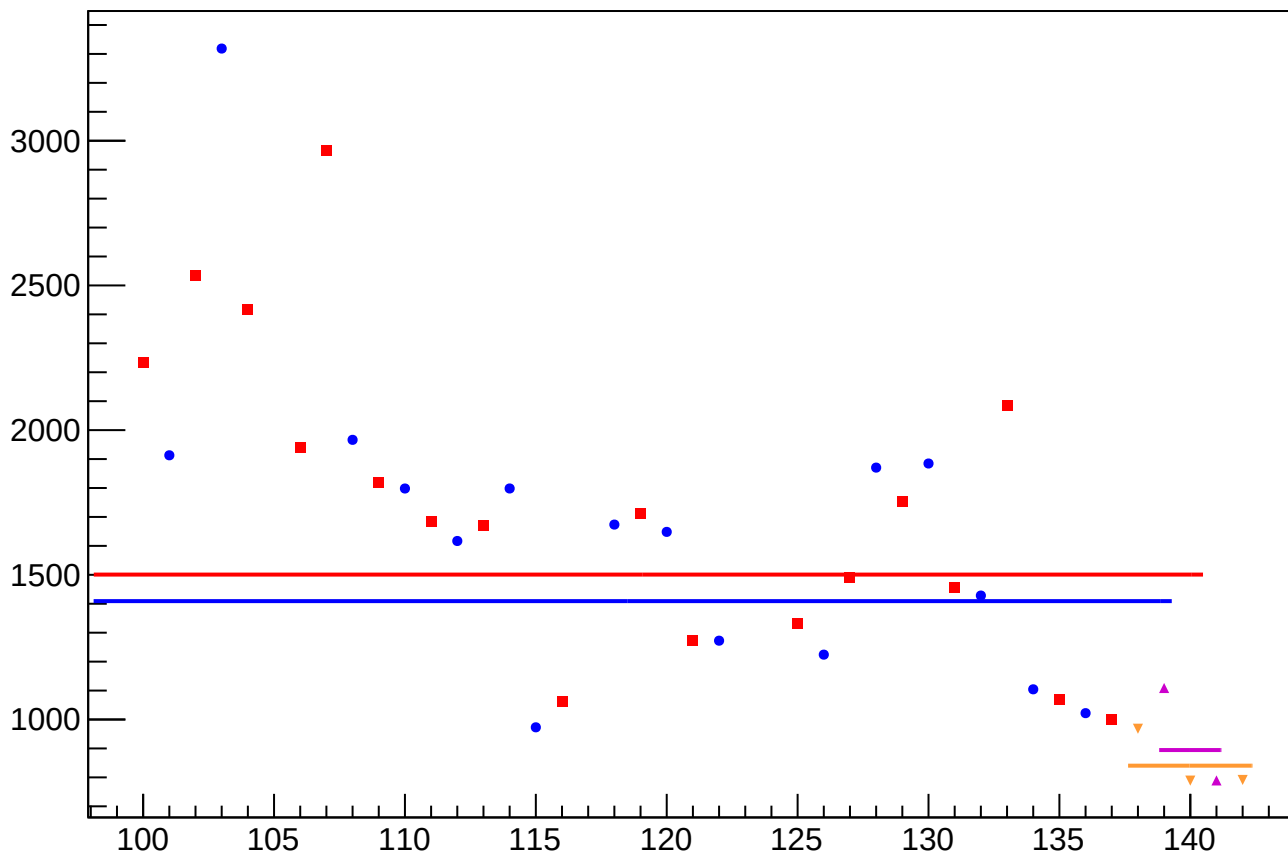
Left In: -580.671+/-691.364 χ^2/NDF : 1.5/1

+ sign -437.942+/-402.827 χ^2/NDF : 29.3/18

All: -597.471+/-298.979 χ^2/NDF : 44.2/38

- sign -793.135+/-446.121 χ^2/NDF : 14.6/19

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: 840.462 $\pm$ 0.419 χ^2 /NDF: 37068.3/2

Right Out: 1500.801 $\pm$ 0.413 χ^2 /NDF: 1030768.2/17

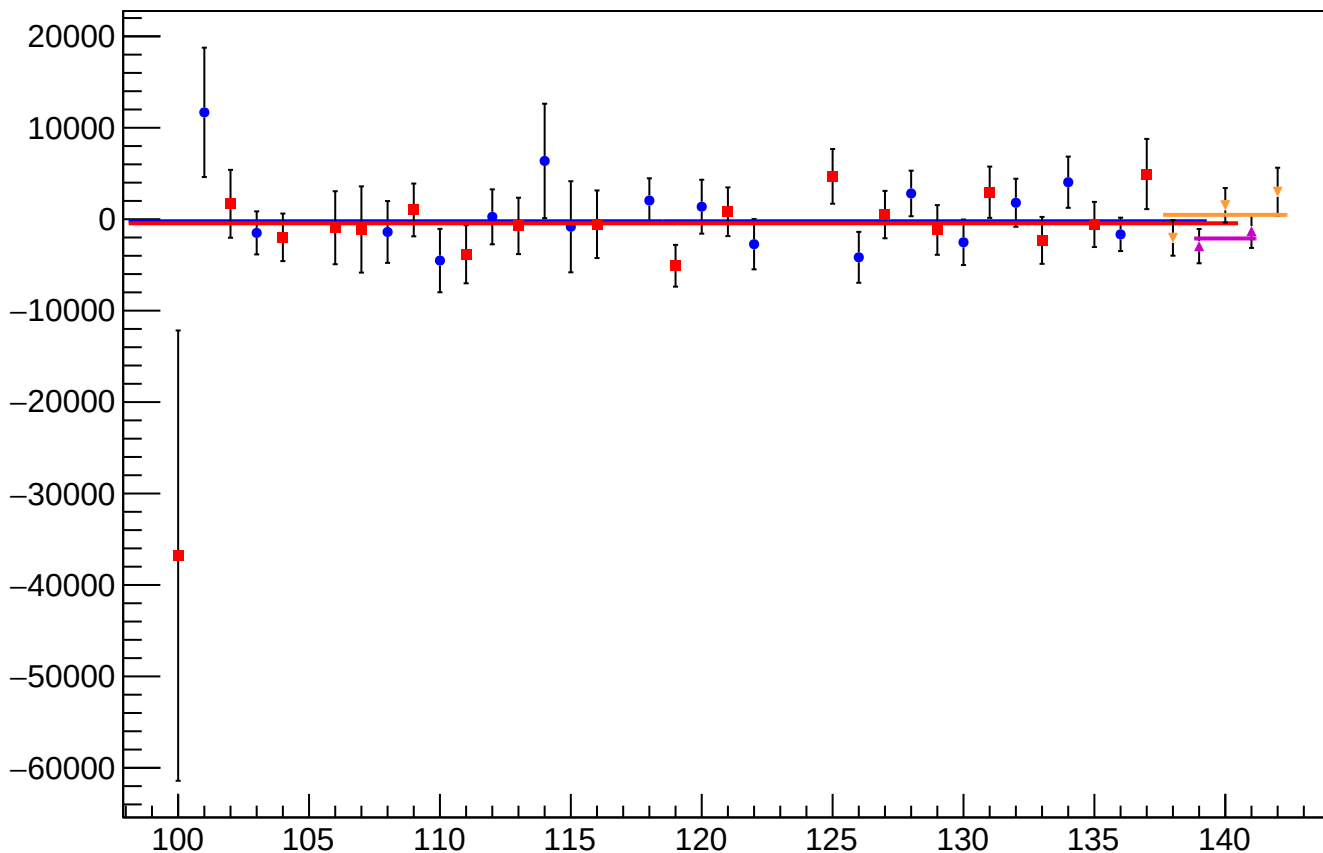
Left In: 894.456 $\pm$ 0.489 χ^2 /NDF: 94174.9/1

+ sign 1145.725 $\pm$ 0.285 χ^2 /NDF: 2195687.1/18

All: 1191.808 $\pm$ 0.211 χ^2 /NDF: 4276717.3/38

- sign 1248.330 $\pm$ 0.315 χ^2 /NDF: 2022751.6/19

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754 ± 709.151 χ^2/NDF : 15.8/15

Left Out: 476.774 ± 1204.465 χ^2/NDF : 2.9/2

Right Out: -443.022 ± 713.098 χ^2/NDF : 15.8/17

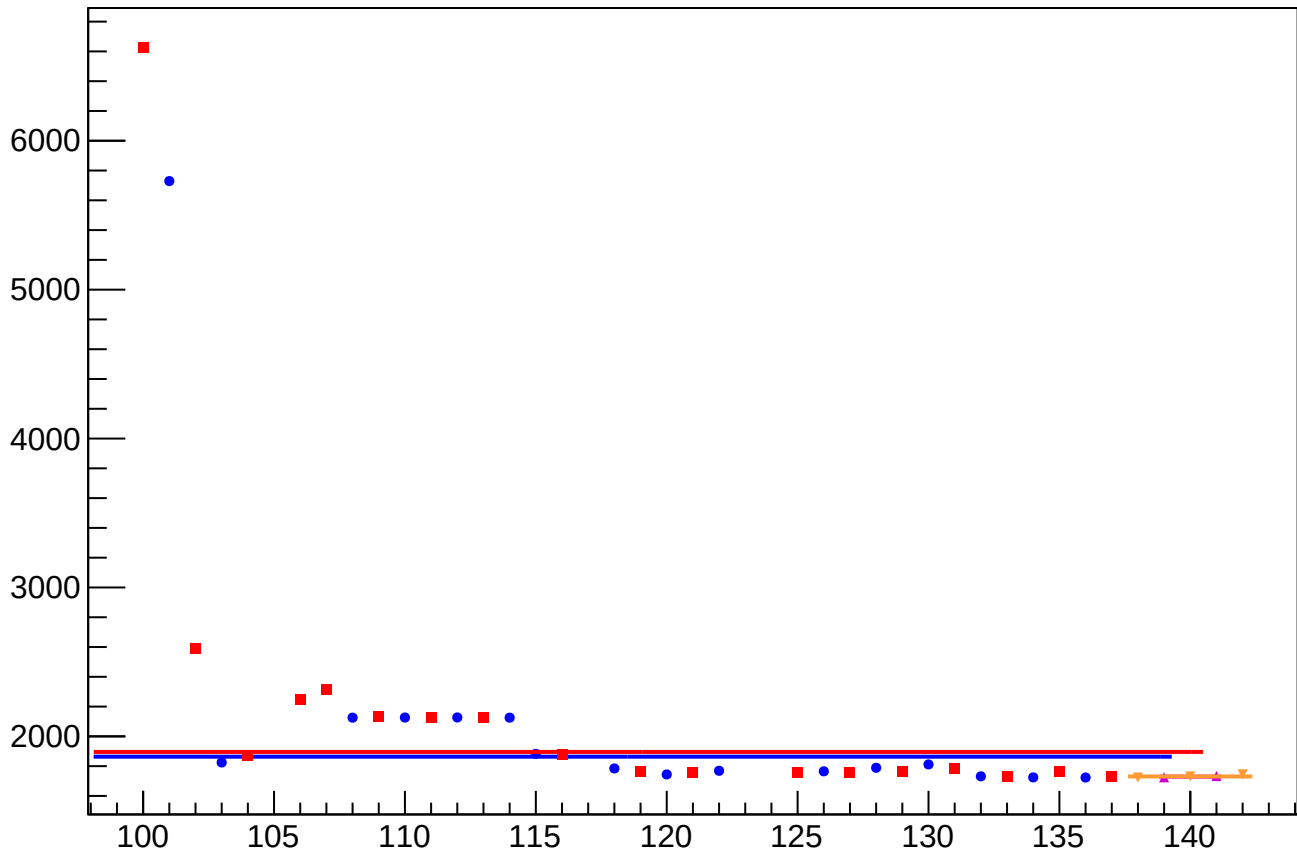
Left In: -2105.997 ± 1314.234 χ^2/NDF : 0.4/1

+ sign -43.427 ± 611.099 χ^2/NDF : 19.0/18

All: -422.494 ± 437.550 χ^2/NDF : 37.2/38

- sign -821.261 ± 626.778 χ^2/NDF : 17.4/19

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581 $\pm$ 0.501 χ^2 /NDF: 674665.4/15

Left Out: 1730.804 $\pm$ 0.852 χ^2 /NDF:89.7/2

Right Out: 1895.491 $\pm$ 0.504 χ^2 /NDF: 259171.7/17

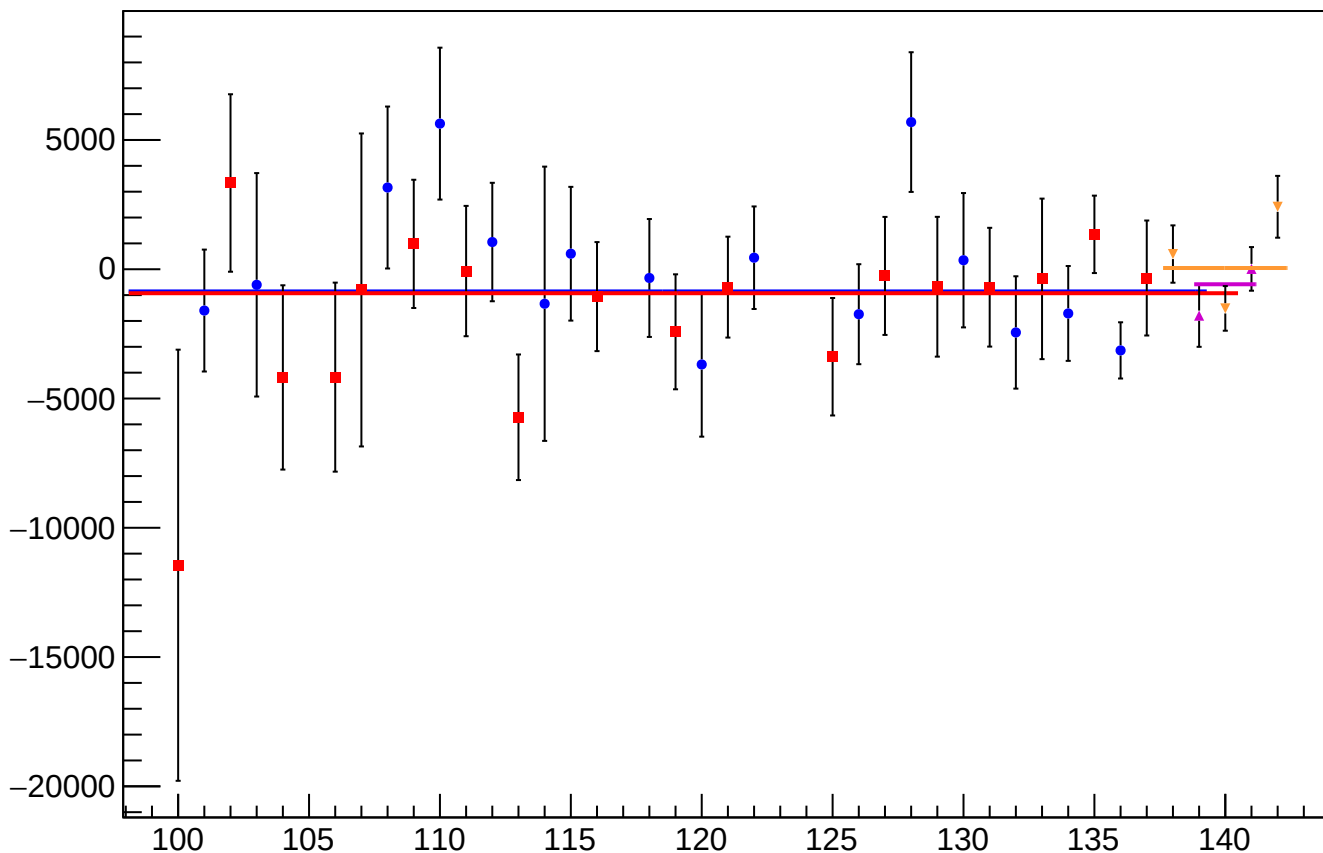
Left In: 1729.507 $\pm$ 0.929 χ^2 /NDF:21.2/1

+ sign 1829.402 $\pm$ 0.432 χ^2 /NDF: 692803.1/18

All: 1843.211 $\pm$ 0.309 χ^2 /NDF: 978737.9/38

- sign 1857.739 $\pm$ 0.443 χ^2 /NDF: 283839.1/19

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: 48.037+/-591.911 χ^2/NDF : 7.4/2

Right Out: -927.191+/-584.886 χ^2/NDF : 13.5/17

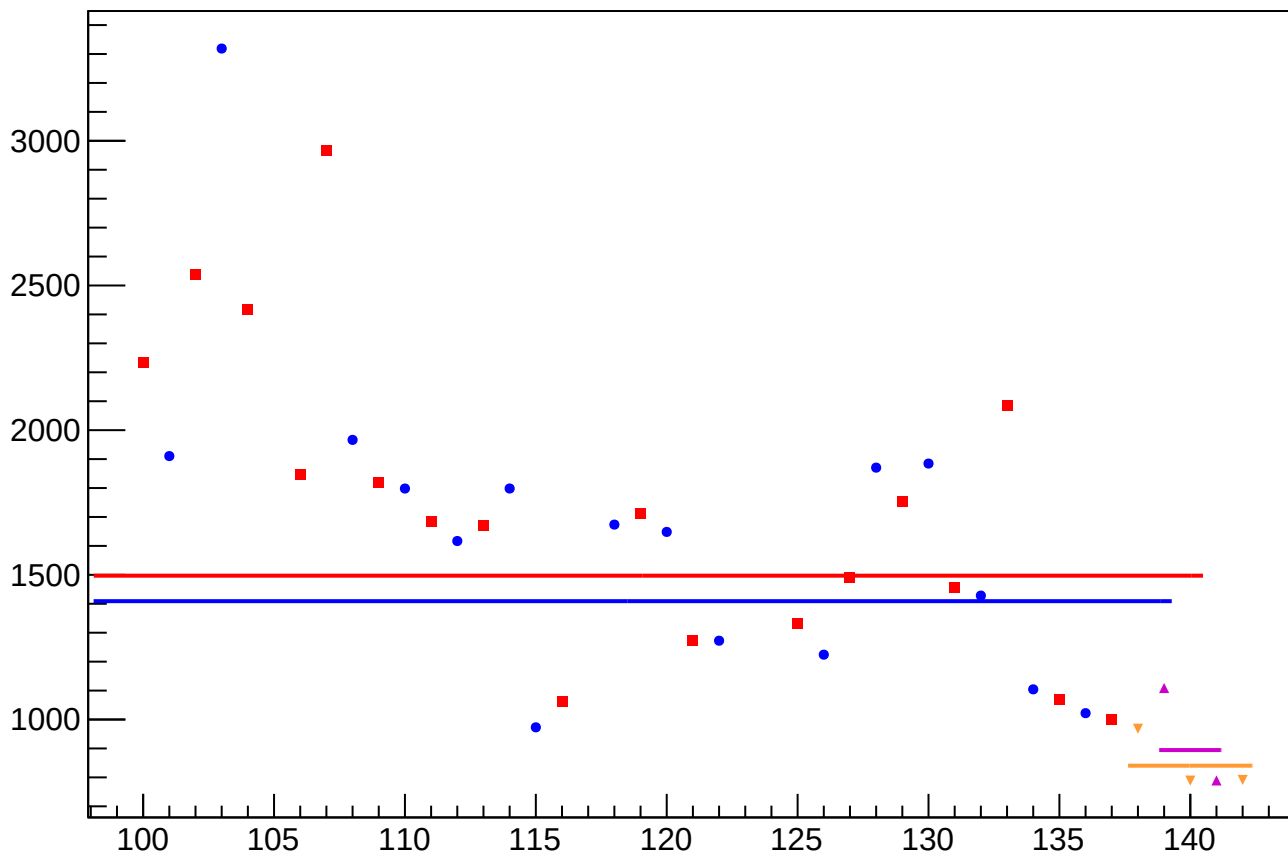
Left In: -580.715+/-691.350 χ^2/NDF : 1.5/1

+ sign -438.458+/-402.812 χ^2/NDF : 29.3/18

All: -592.889+/-299.095 χ^2/NDF : 44.8/38

- sign -782.656+/-446.527 χ^2/NDF : 15.2/19

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1409.018+/-0.389 χ^2/NDF : 1167065.5/15

Left Out: 840.475+/-0.419 χ^2/NDF : 37055.8/2

Right Out: 1497.149+/-0.414 χ^2/NDF : 1018123.6/17

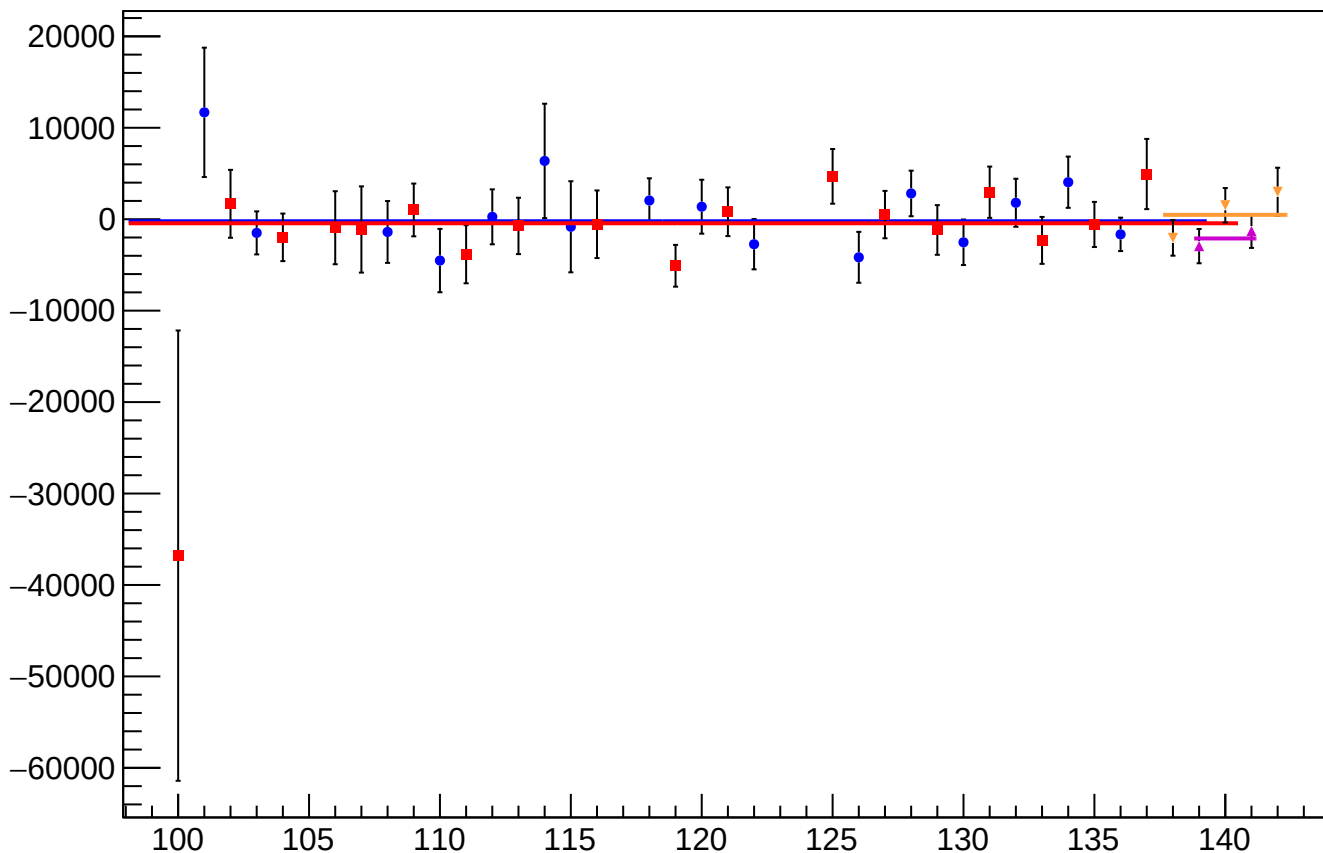
Left In: 894.436+/-0.489 χ^2/NDF : 94180.9/1

+ sign 1145.715+/-0.285 χ^2/NDF : 2194775.3/18

All: 1190.585+/-0.211 χ^2/NDF : 4248335.6/38

- sign 1245.723+/-0.316 χ^2/NDF : 1998247.8/19

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: 476.774+/-1204.465 χ^2/NDF : 2.9/2

Right Out: -443.022+/-713.098 χ^2/NDF : 15.8/17

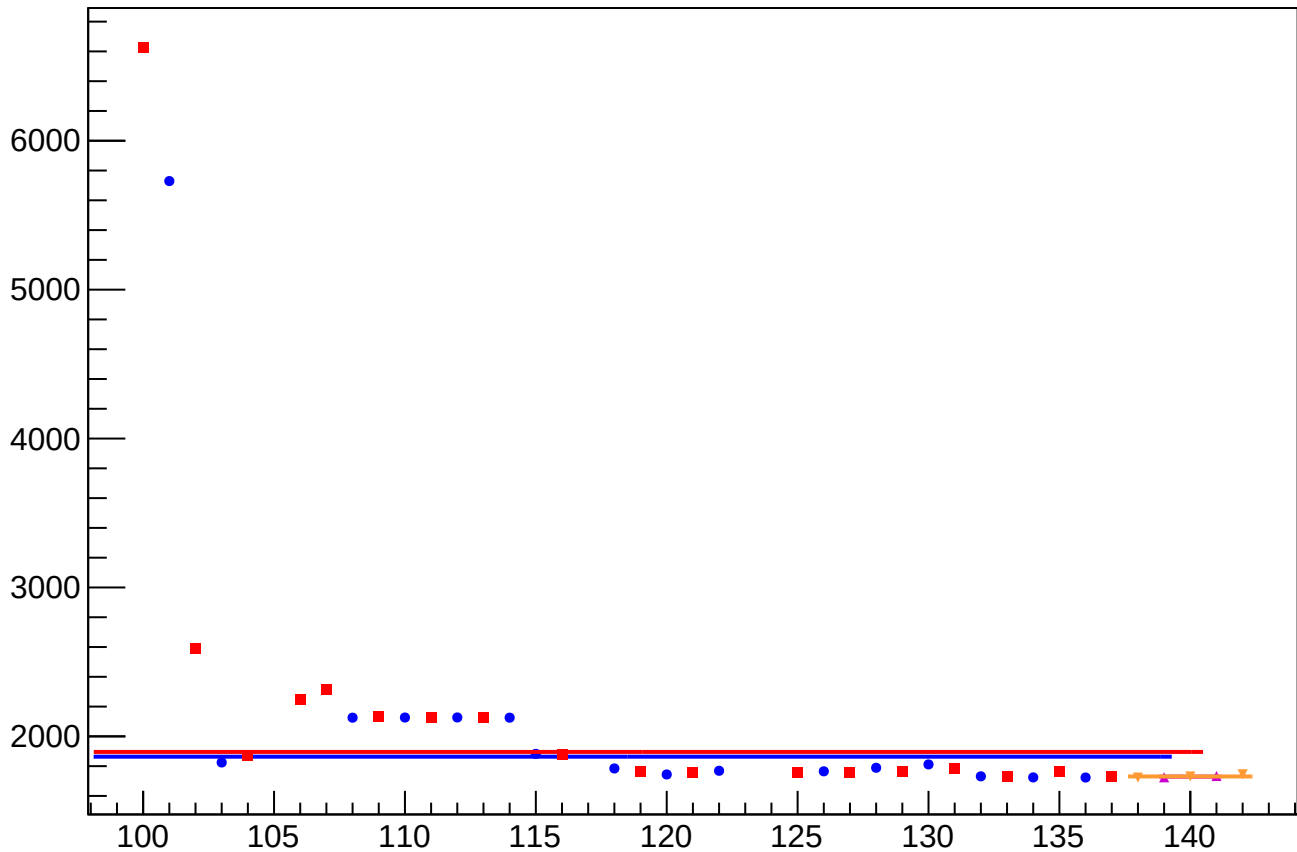
Left In: -2105.997+/-1314.234 χ^2/NDF : 0.4/1

+ sign -43.427+/-611.099 χ^2/NDF : 19.0/18

All: -422.494+/-437.550 χ^2/NDF : 37.2/38

- sign -821.261+/-626.778 χ^2/NDF : 17.4/19

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581 $\pm$ 0.501 χ^2 /NDF: 674665.4/15

Left Out: 1730.804 $\pm$ 0.852 χ^2 /NDF: 89.7/2

Right Out: 1895.491 $\pm$ 0.504 χ^2 /NDF: 259171.7/17

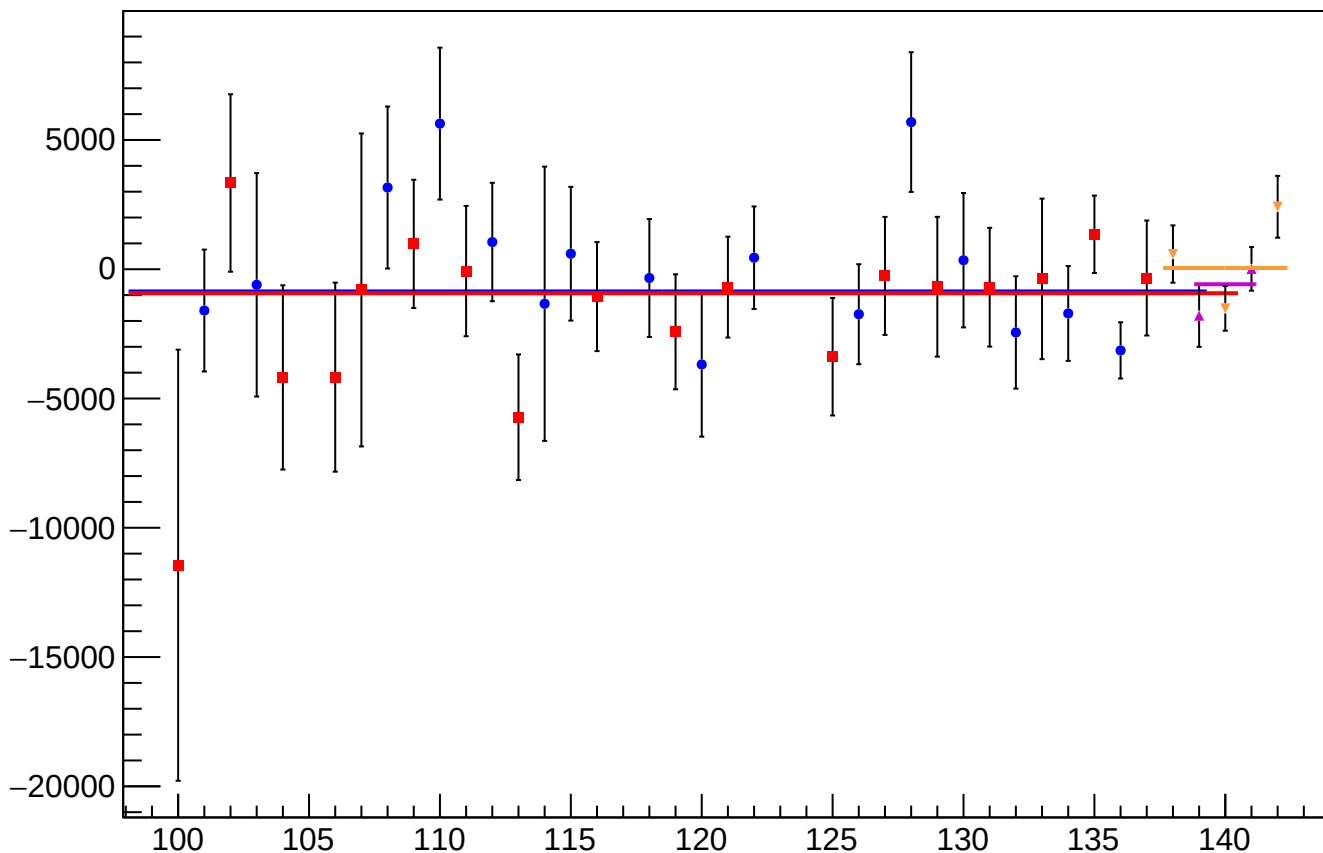
Left In: 1729.507 $\pm$ 0.929 χ^2 /NDF: 21.2/1

+ sign 1829.402 $\pm$ 0.432 χ^2 /NDF: 692803.1/18

All: 1843.211 $\pm$ 0.309 χ^2 /NDF: 978737.9/38

- sign 1857.739 $\pm$ 0.443 χ^2 /NDF: 283839.1/19

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: 48.037+/-591.911 χ^2/NDF : 7.4/2

Right Out: -927.191+/-584.886 χ^2/NDF : 13.5/17

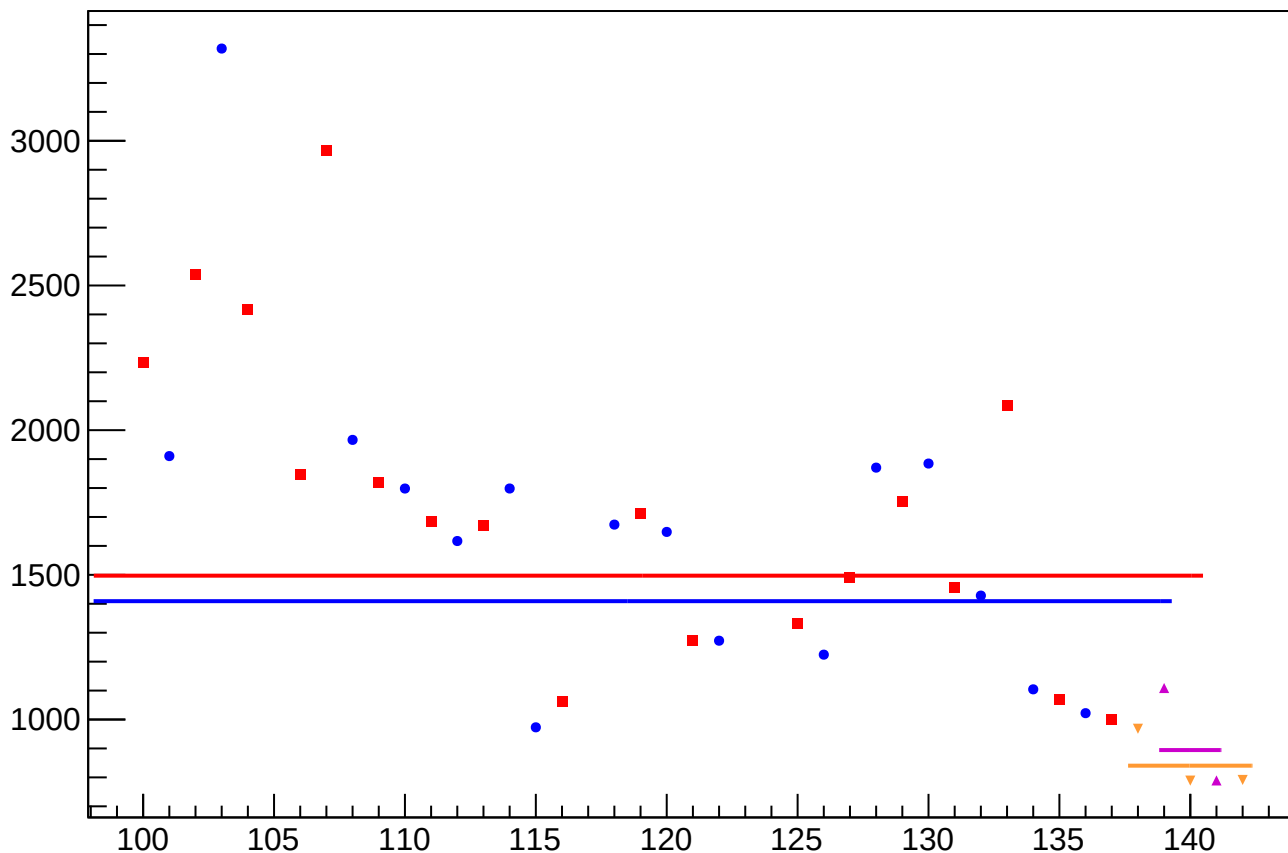
Left In: -580.715+/-691.350 χ^2/NDF : 1.5/1

+ sign -438.458+/-402.812 χ^2/NDF : 29.3/18

All: -592.889+/-299.095 χ^2/NDF : 44.8/38

- sign -782.656+/-446.527 χ^2/NDF : 15.2/19

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: 840.475+/-0.419 χ^2/NDF : 37055.8/2

Right Out: 1497.149+/-0.414 χ^2/NDF : 1018123.6/17

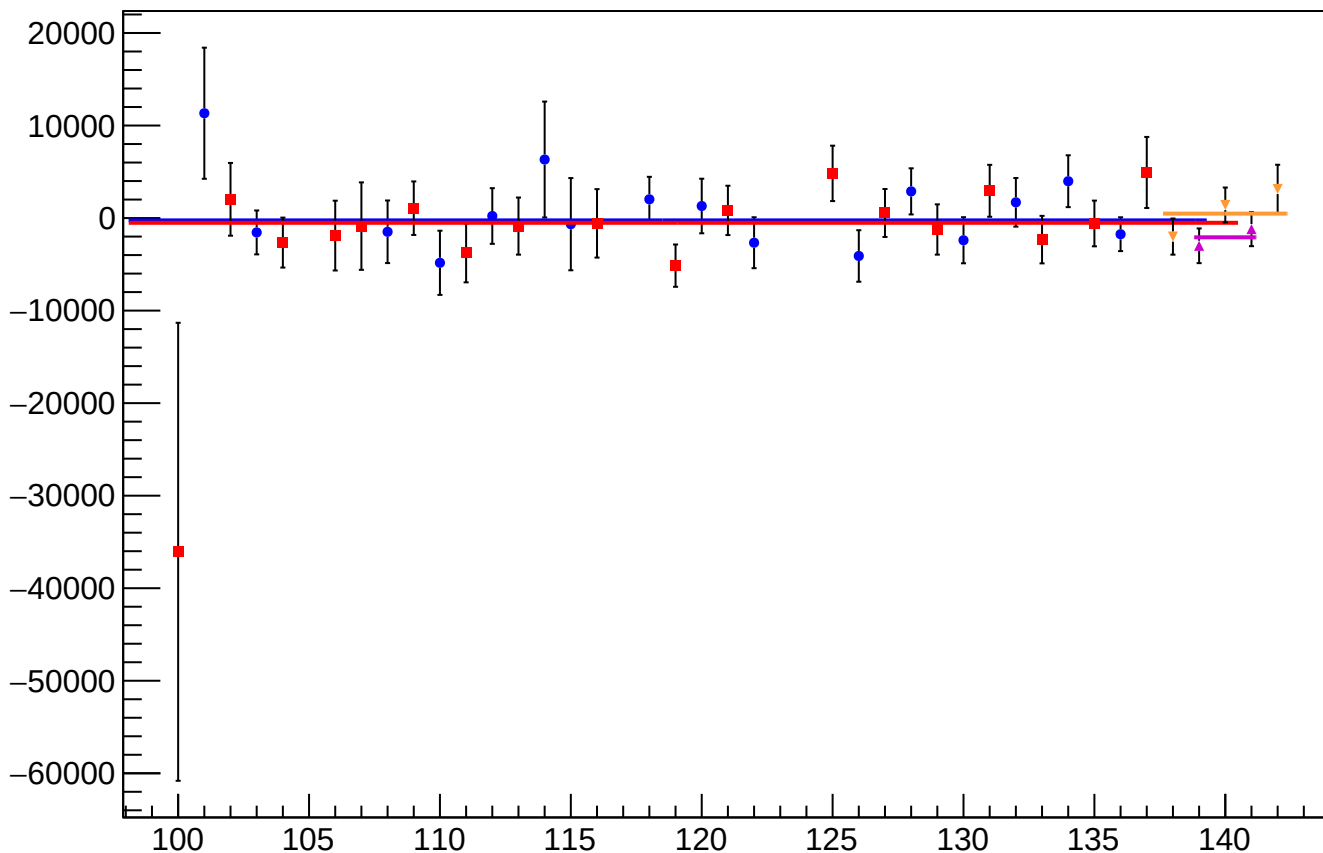
Left In: 894.436+/-0.489 χ^2/NDF : 94180.9/1

+ sign 1145.715+/-0.285 χ^2/NDF : 2194775.3/18

All: 1190.585+/-0.211 χ^2/NDF : 4248335.6/38

- sign 1245.723+/-0.316 χ^2/NDF : 1998247.8/19

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024 $\pm$ 709.973 χ^2 /NDF: 15.6/15

Left Out: 481.033 $\pm$ 1204.181 χ^2 /NDF: 2.9/2

Right Out: -510.117 $\pm$ 715.442 χ^2 /NDF: 16.4/17

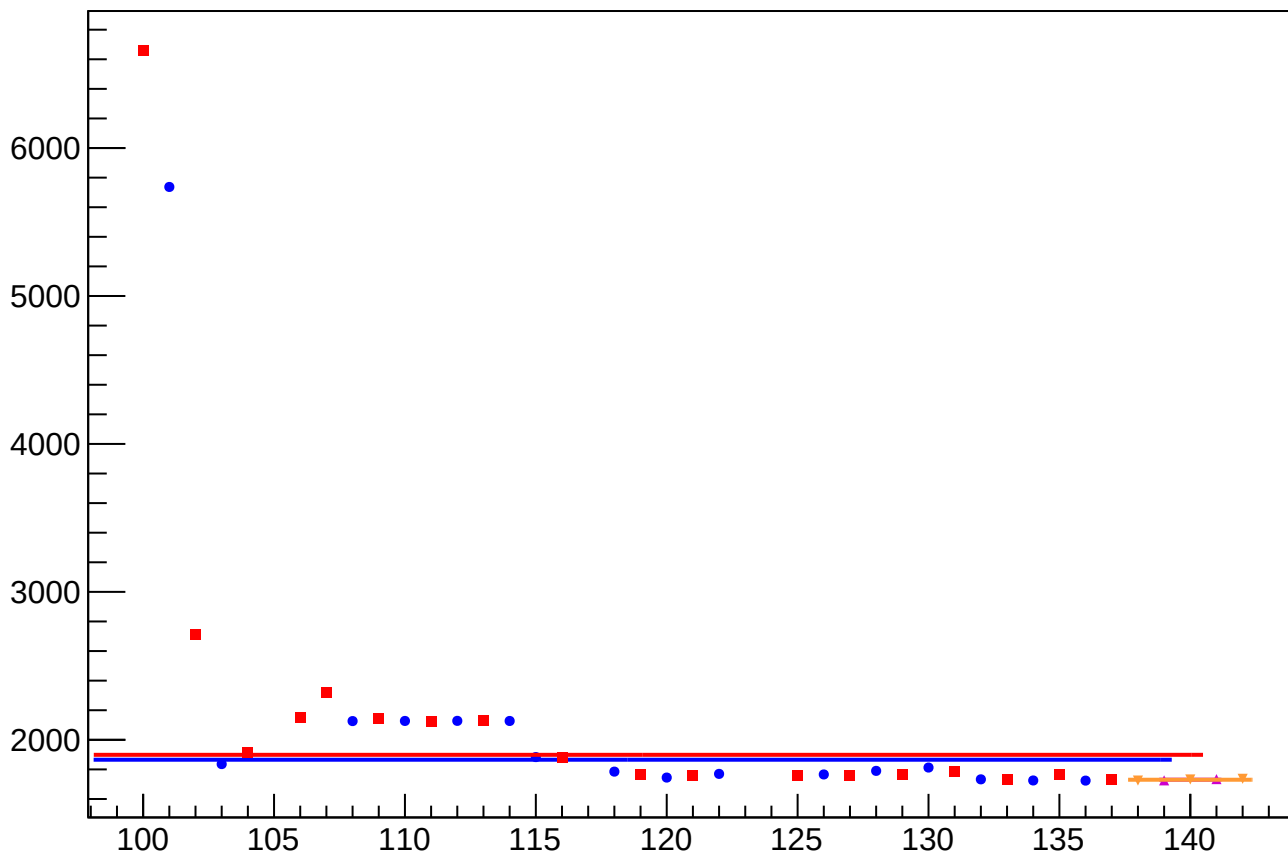
Left In: -2079.112 $\pm$ 1314.862 χ^2 /NDF: 0.5/1

+ sign -62.933 $\pm$ 611.587 χ^2 /NDF: 18.8/18

All: -454.788 $\pm$ 438.293 χ^2 /NDF: 37.6/38

- sign -868.529 $\pm$ 628.436 χ^2 /NDF: 18.0/19

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF : 674989.6/15

Left Out: 1730.168+/-0.851 χ^2/NDF : 29.7/2

Right Out: 1898.603+/-0.506 χ^2/NDF : 269110.1/17

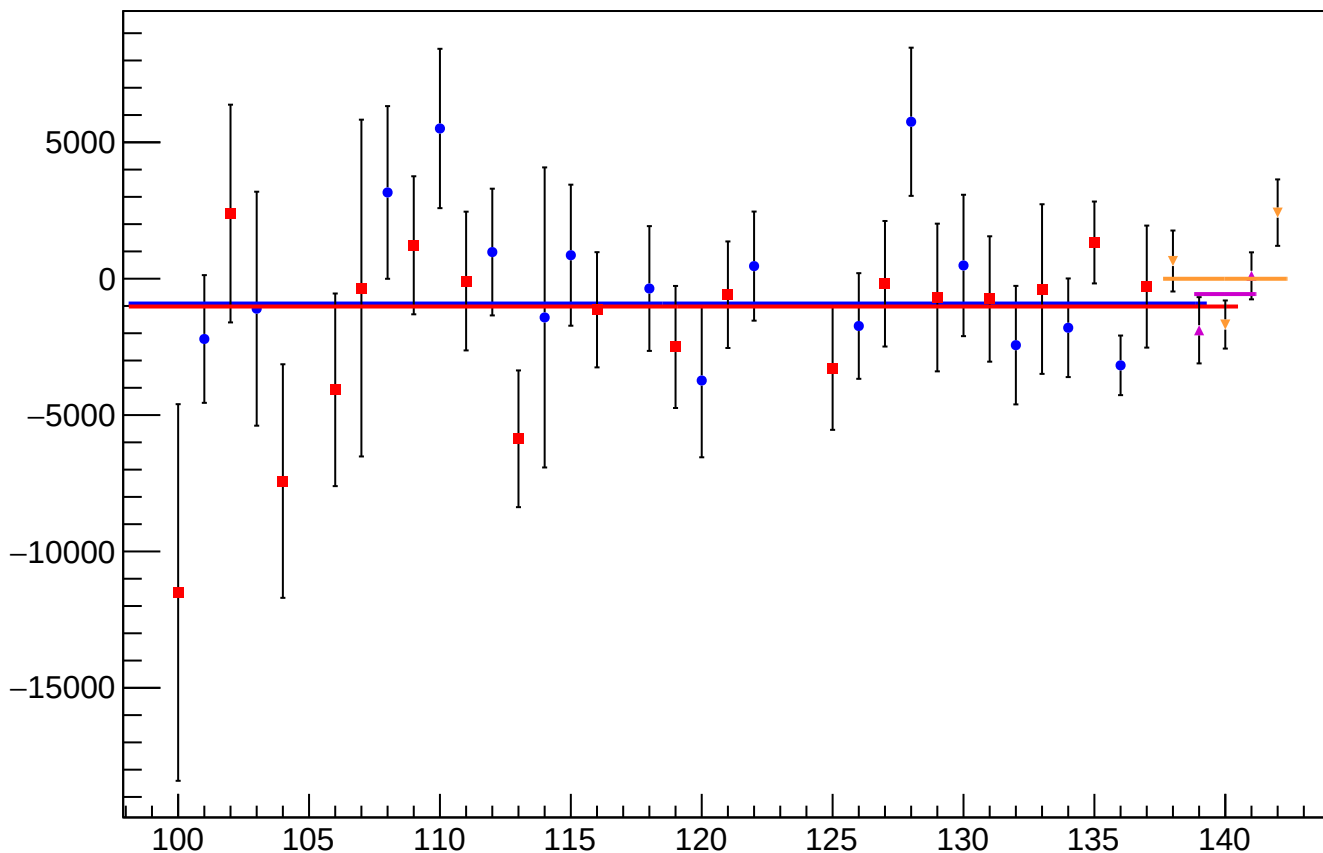
Left In: 1730.333+/-0.930 χ^2/NDF : 20.8/1

+ sign 1830.547+/-0.432 χ^2/NDF : 693747.4/18

All: 1844.953+/-0.310 χ^2/NDF : 990432.8/38

- sign 1860.164+/-0.444 χ^2/NDF : 294403.9/19

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: -2.792+/-601.933 χ^2/NDF : 7.9/2

Right Out: -1020.124+/-591.600 χ^2/NDF : 14.9/17

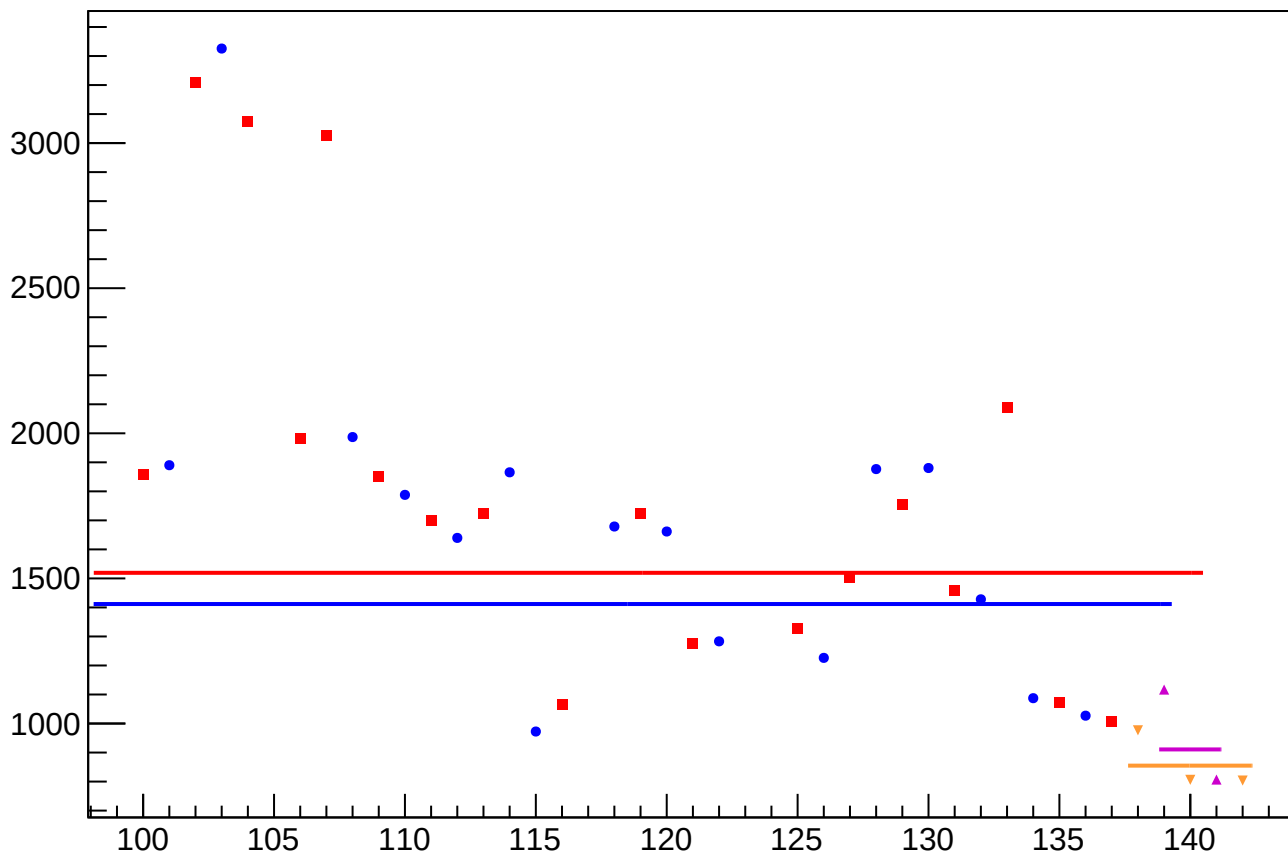
Left In: -563.490+/-702.842 χ^2/NDF : 1.8/1

+ sign -497.049+/-406.366 χ^2/NDF : 30.1/18

All: -645.993+/-302.375 χ^2/NDF : 47.4/38

- sign -830.761+/-452.606 χ^2/NDF : 17.0/19

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748+/-0.389 χ^2/NDF : 1177745.4/15

Left Out: 854.902+/-0.426 χ^2/NDF : 33425.5/2

Right Out: 1519.305+/-0.418 χ^2/NDF : 1360145.6/17

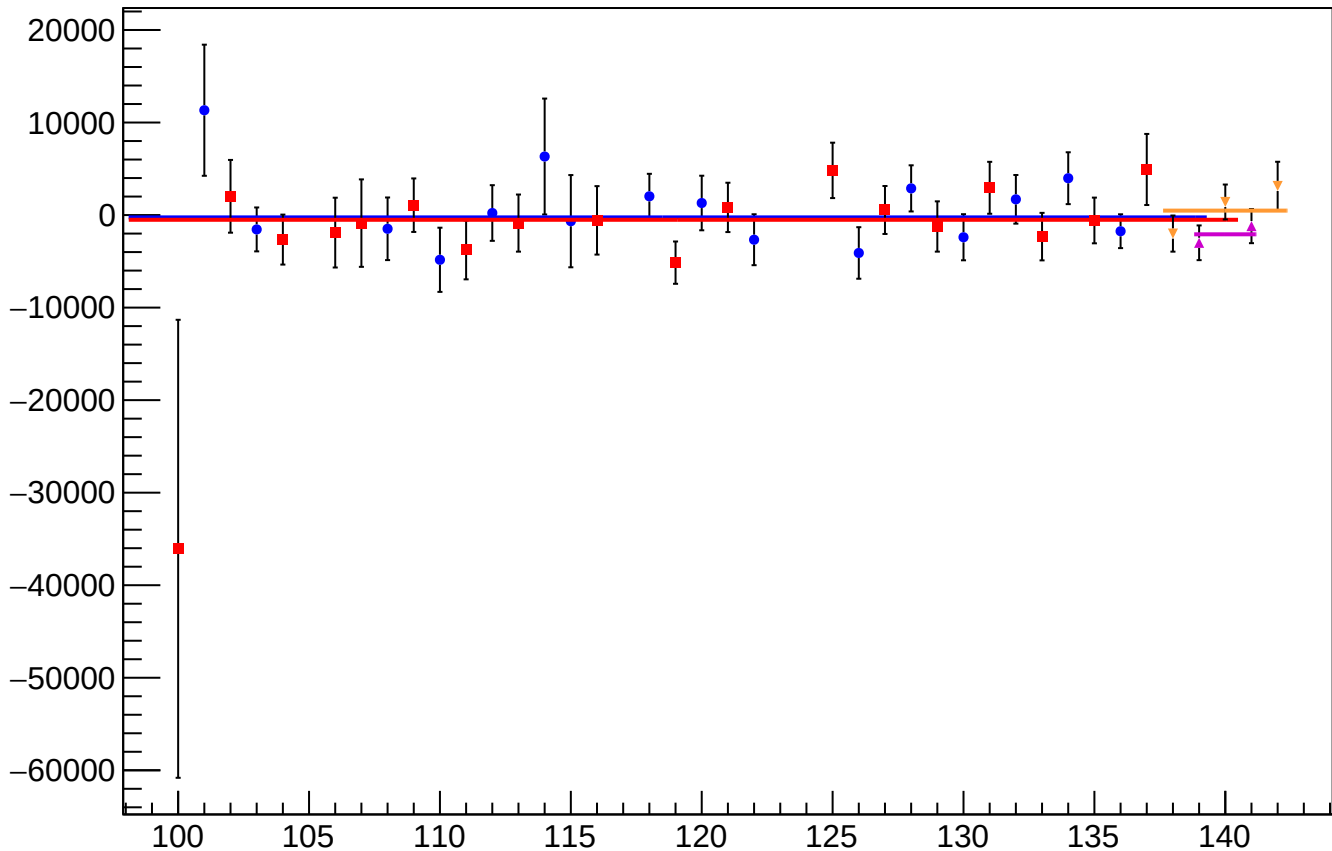
Left In: 910.754+/-0.497 χ^2/NDF : 86689.7/1

+ sign 1157.959+/-0.287 χ^2/NDF : 2142691.4/18

All: 1206.602+/-0.214 χ^2/NDF : 4531326.5/38

- sign 1266.944+/-0.320 χ^2/NDF : 2324429.3/19

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: 481.034+/-1204.181 χ^2/NDF : 2.9/2

Right Out: -510.117+/-715.442 χ^2/NDF : 16.4/17

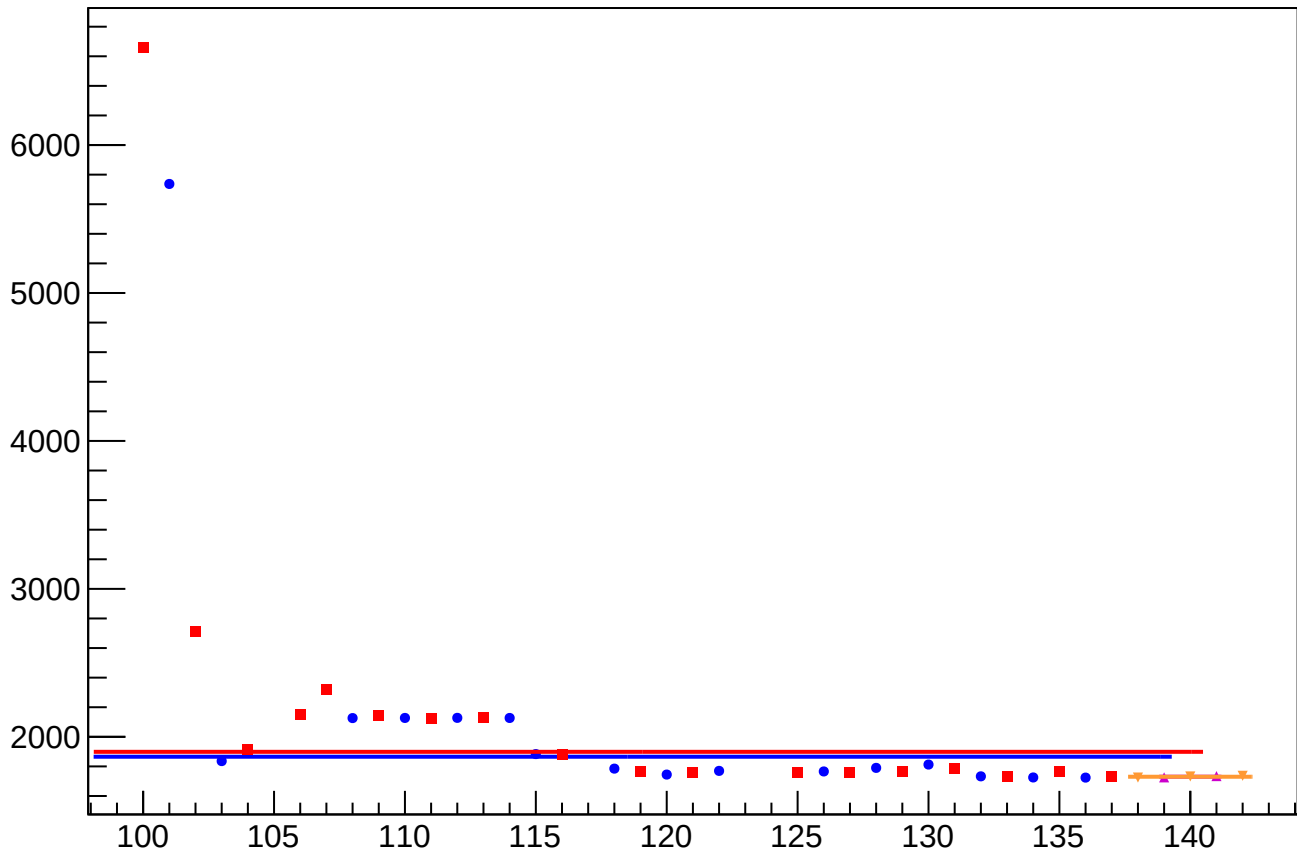
Left In: -2079.117+/-1314.862 χ^2/NDF : 0.5/1

+ sign -62.932+/-611.587 χ^2/NDF : 18.8/18

All: -454.787+/-438.293 χ^2/NDF : 37.6/38

- sign -868.530+/-628.436 χ^2/NDF : 18.0/19

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: 1730.168 ± 0.851 χ^2/NDF : 29.7/2

Right Out: 1898.603 ± 0.506 χ^2/NDF : 269109.9/17

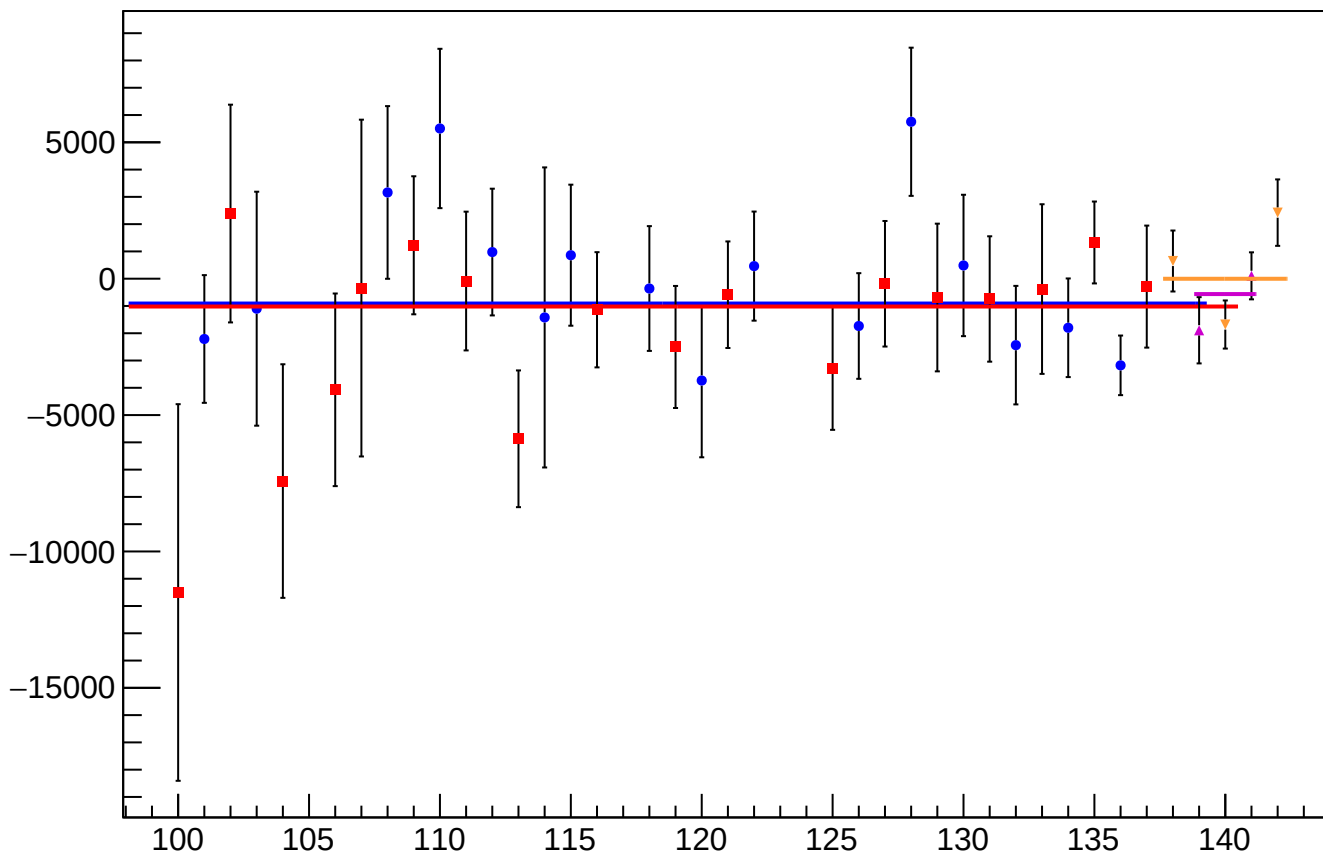
Left In: 1730.333 ± 0.930 χ^2/NDF : 20.8/1

+ sign 1830.547 ± 0.432 χ^2/NDF : 693747.3/18

All: 1844.953 ± 0.310 χ^2/NDF : 990432.5/38

- sign 1860.164 ± 0.444 χ^2/NDF : 294403.7/19

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: -2.797+/-601.933 χ^2/NDF : 7.9/2

Right Out: -1020.123+/-591.599 χ^2/NDF : 14.9/17

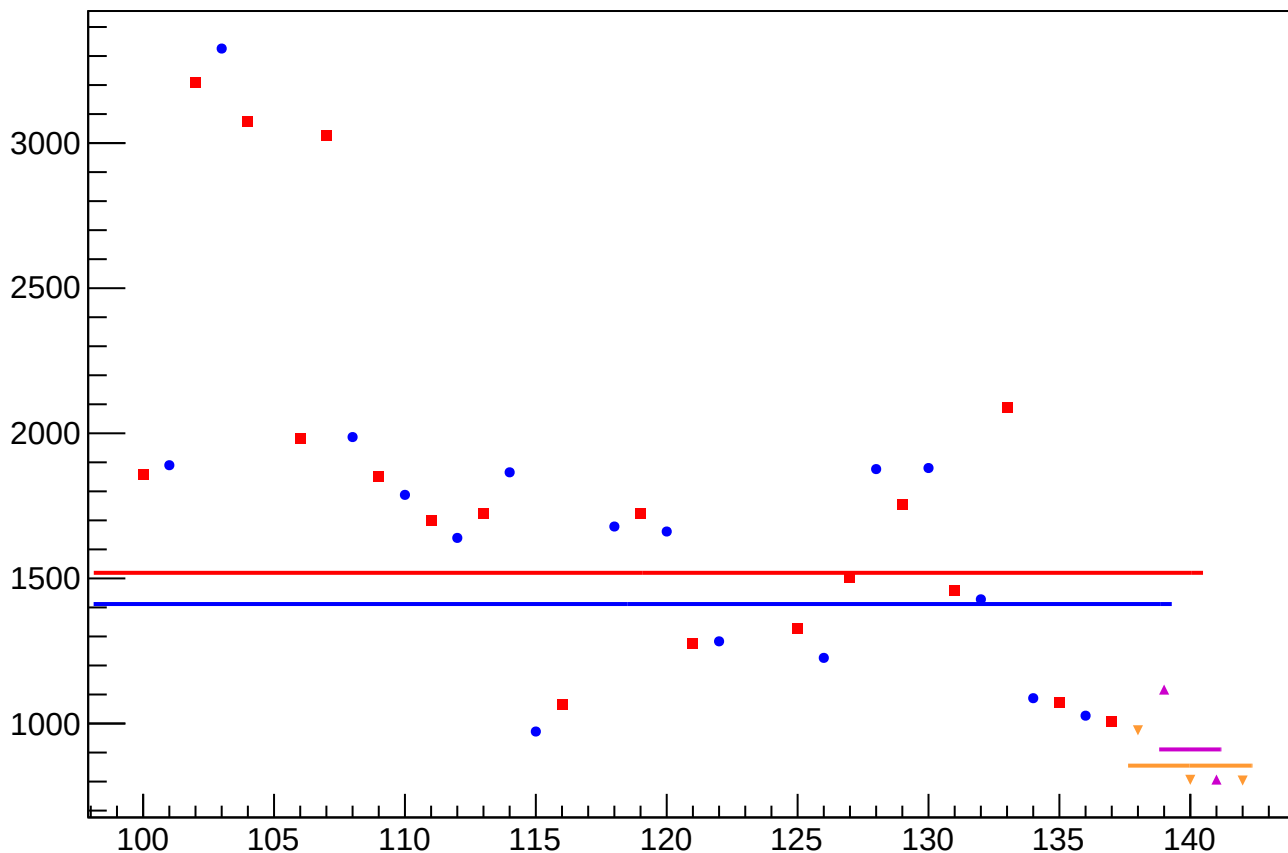
Left In: -563.487+/-702.841 χ^2/NDF : 1.8/1

+ sign -497.049+/-406.365 χ^2/NDF : 30.1/18

All: -645.992+/-302.374 χ^2/NDF : 47.4/38

- sign -830.760+/-452.606 χ^2/NDF : 17.0/19

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1411.745+/-0.389 χ^2/NDF : 1177746.1/15

Left Out: 854.902+/-0.426 χ^2/NDF : 33427.2/2

Right Out: 1519.302+/-0.418 χ^2/NDF : 1360150.0/17

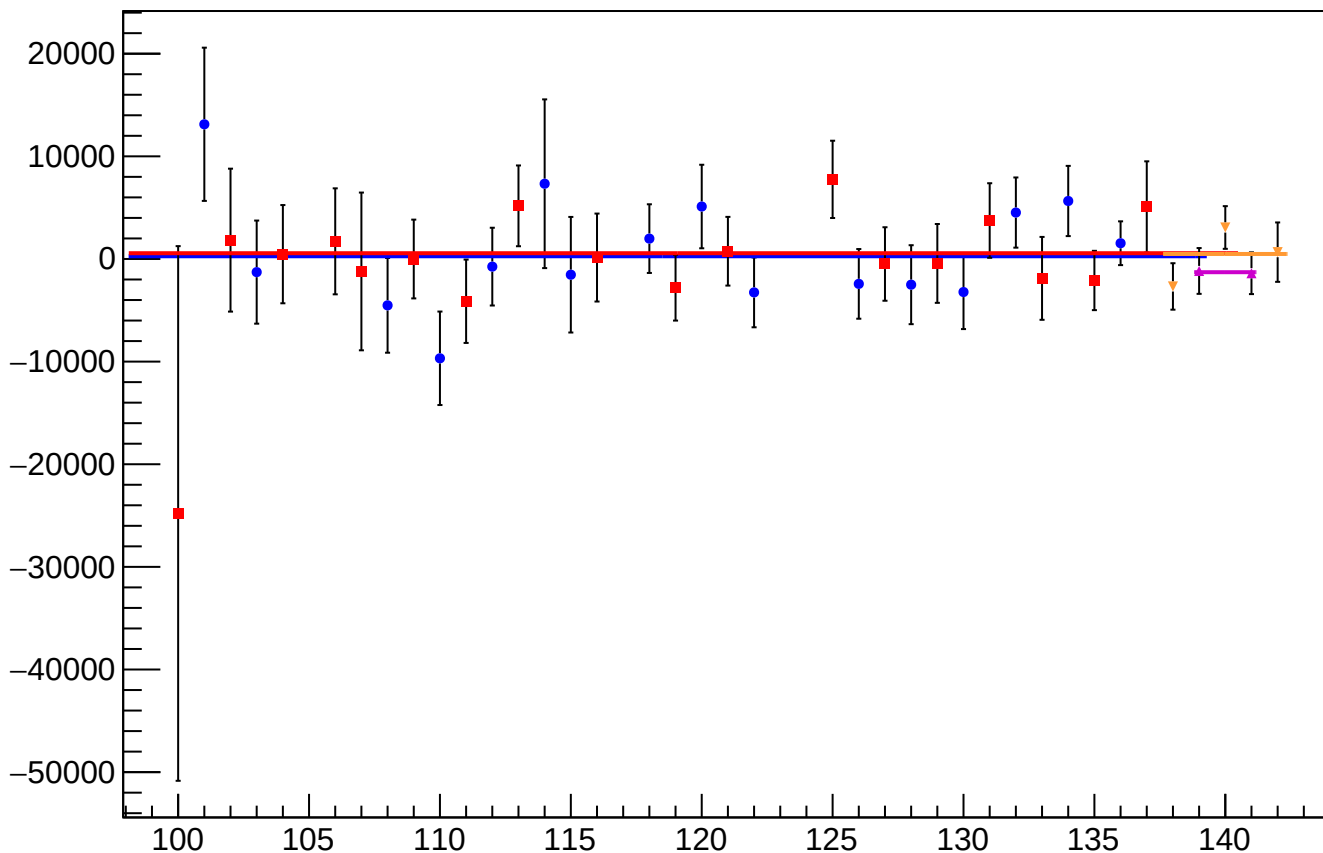
Left In: 910.752+/-0.497 χ^2/NDF : 86693.3/1

+ sign 1157.958+/-0.287 χ^2/NDF : 2142688.2/18

All: 1206.600+/-0.214 χ^2/NDF : 4531329.6/38

- sign 1266.942+/-0.320 χ^2/NDF : 2324435.6/19

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383 $\pm$ 941.979 χ^2 /NDF: 19.0/15

Left Out: 486.863 $\pm$ 1353.238 χ^2 /NDF: 3.5/2

Right Out: 560.962 $\pm$ 962.943 χ^2 /NDF: 11.7/17

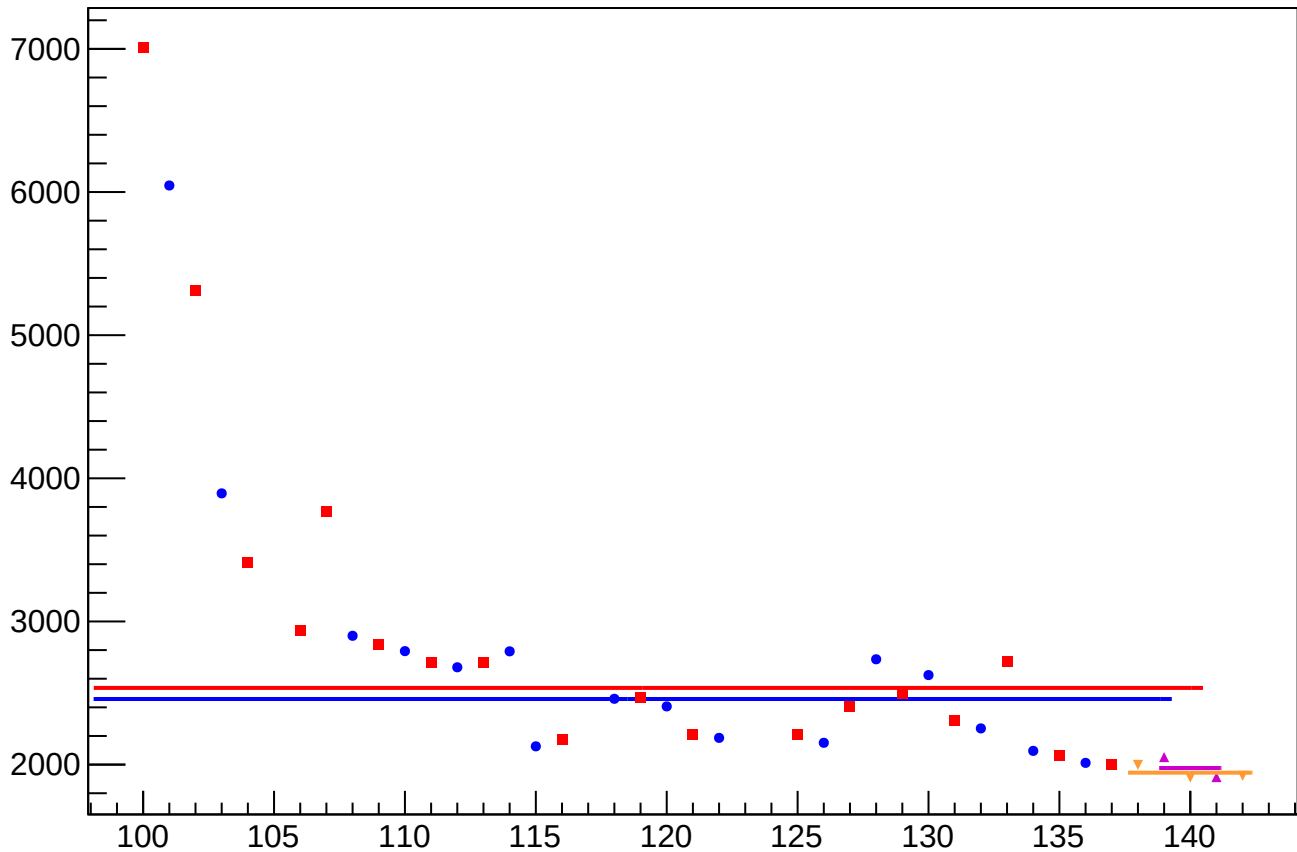
Left In: -1288.806 $\pm$ 1502.780 χ^2 /NDF: 0.0/1

+ sign 336.999 $\pm$ 773.116 χ^2 /NDF: 22.5/18

All: 187.240 $\pm$ 559.515 χ^2 /NDF: 35.5/38

- sign 22.536 $\pm$ 810.774 χ^2 /NDF: 12.8/19

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF : 832888.7/15

Left Out: 1943.604+/-0.957 χ^2/NDF : 1811.4/2

Right Out: 2535.782+/-0.681 χ^2/NDF : 673337.1/17

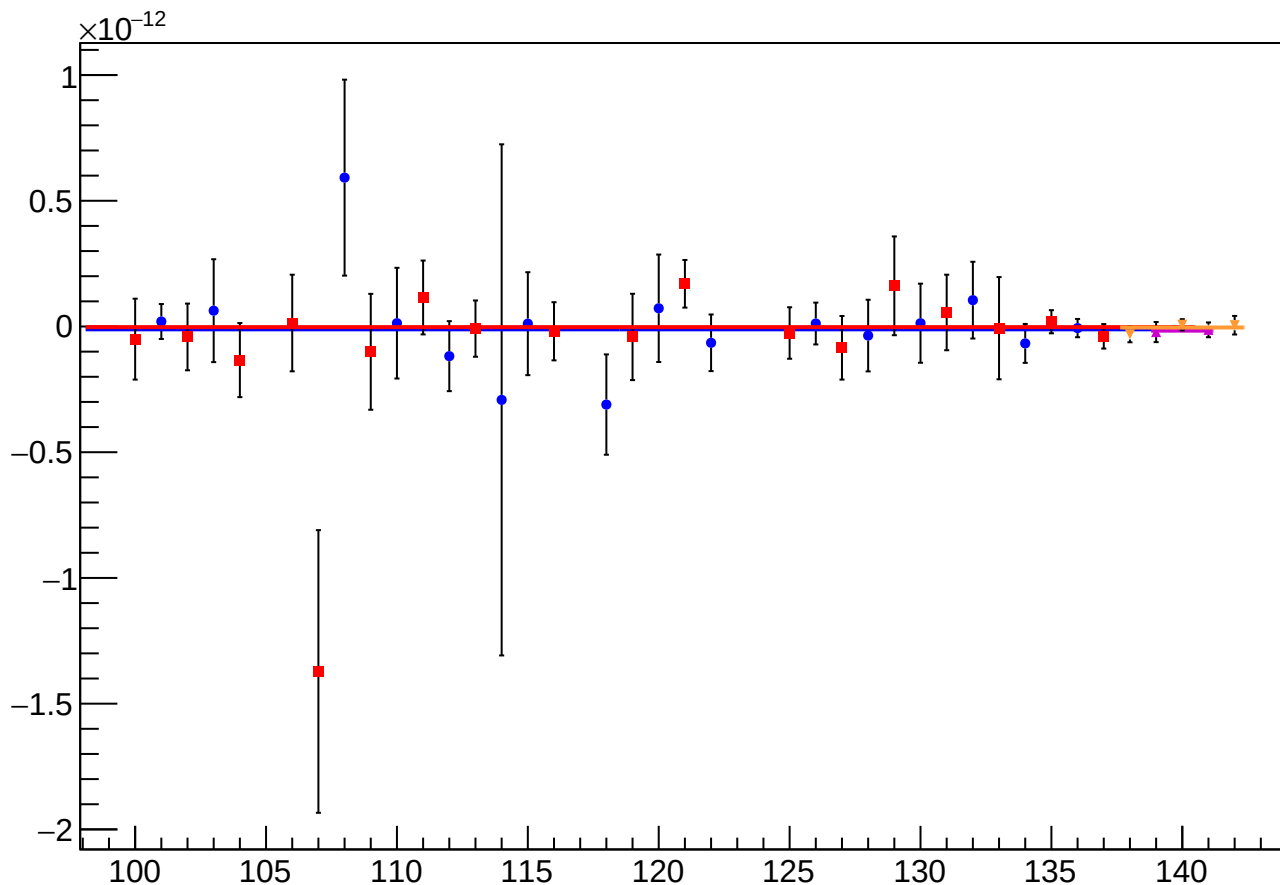
Left In: 1976.203+/-1.063 χ^2/NDF : 4286.6/1

+ sign 2290.328+/-0.547 χ^2/NDF : 1029613.9/18

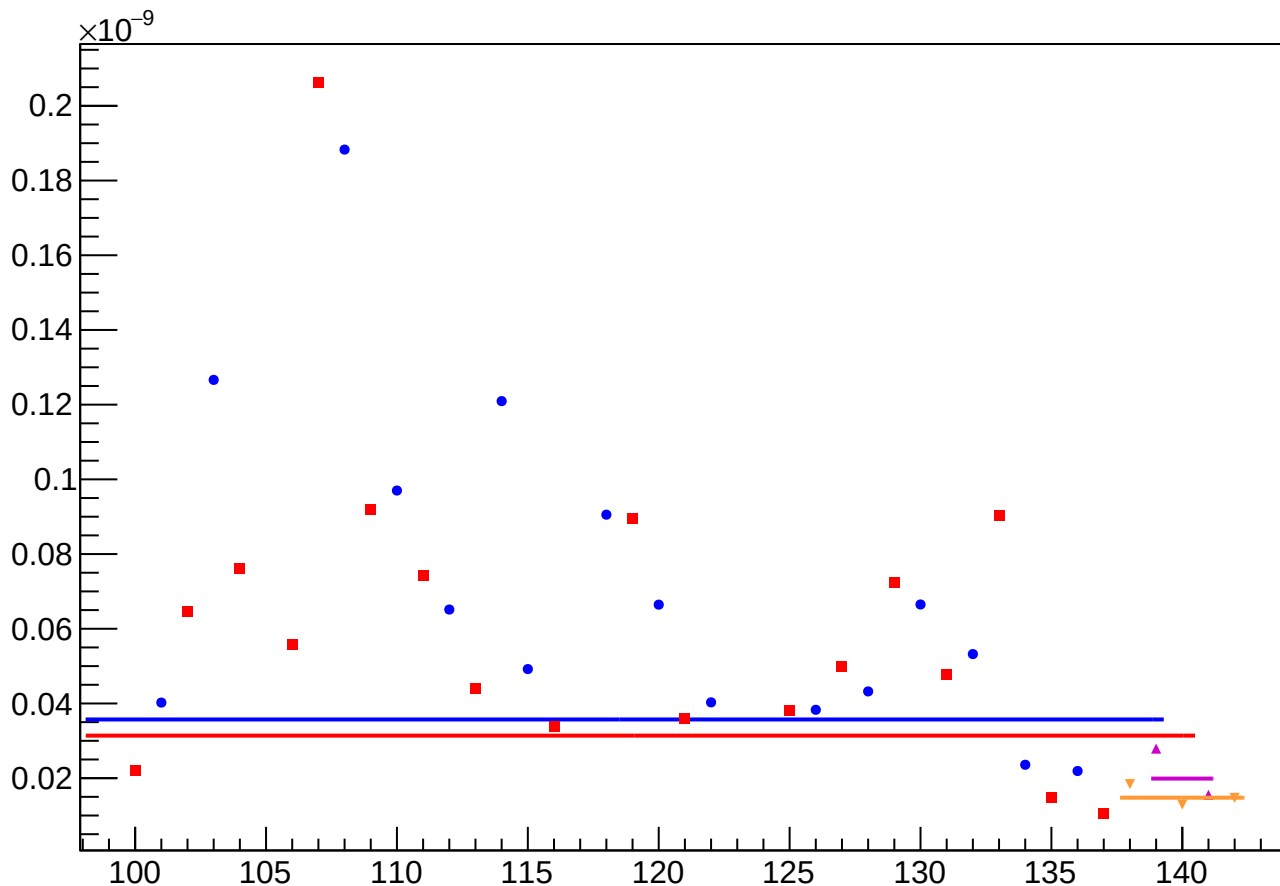
All: 2329.653+/-0.396 χ^2/NDF : 1914693.4/38

- sign 2372.902+/-0.573 χ^2/NDF : 874213.9/19

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs Slug



asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 40274.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2068272.1/17

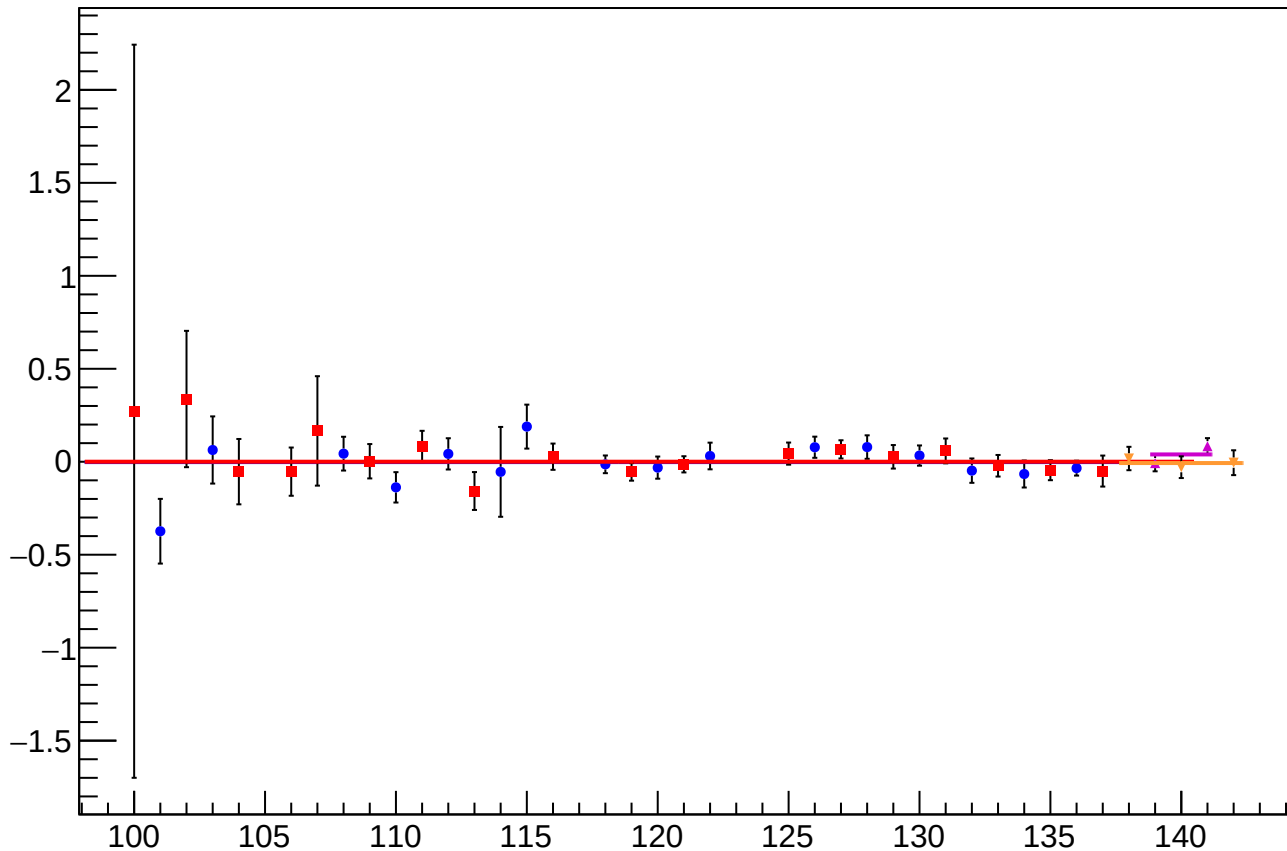
Left In: 0.000+/-0.000 χ^2/NDF : 124416.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 2668655.5/18

All: 0.000+/-0.000 χ^2/NDF : 5167016.3/38

- sign 0.000+/-0.000 χ^2/NDF : 2421767.3/19

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: -0.007 ± 0.036 χ^2/NDF : 0.3/2

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

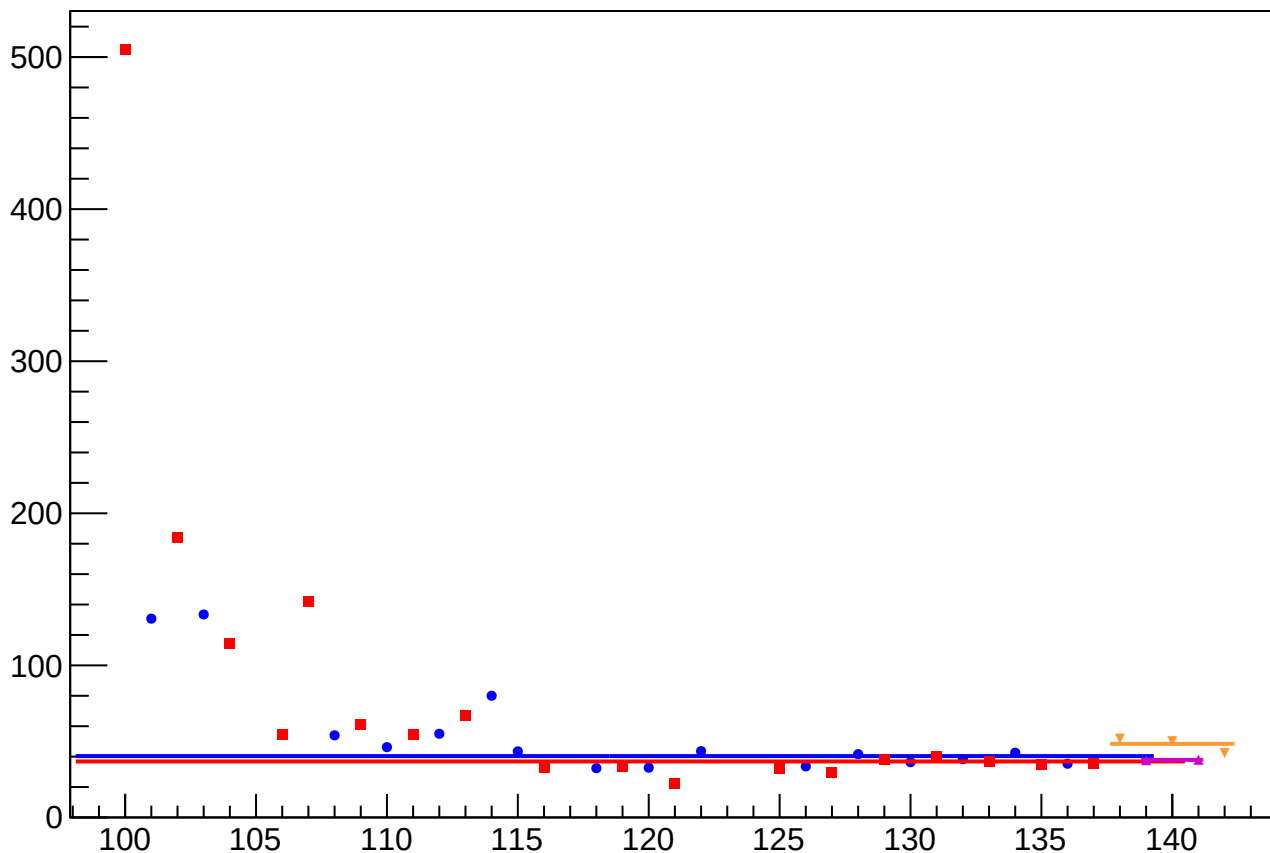
Left In: 0.039 ± 0.031 χ^2/NDF : 2.1/1

+ sign -0.003 ± 0.015 χ^2/NDF : 17.4/18

All: 0.003 ± 0.011 χ^2/NDF : 32.0/38

- sign 0.009 ± 0.015 χ^2/NDF : 14.3/19

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352 $\pm$ 0.012 χ^2 /NDF: 1410137.1/15

Left Out: 48.403 $\pm$ 0.025 χ^2 /NDF:24255.6/2

Right Out: 36.825 $\pm$ 0.012 χ^2 /NDF: 1837124.6/17

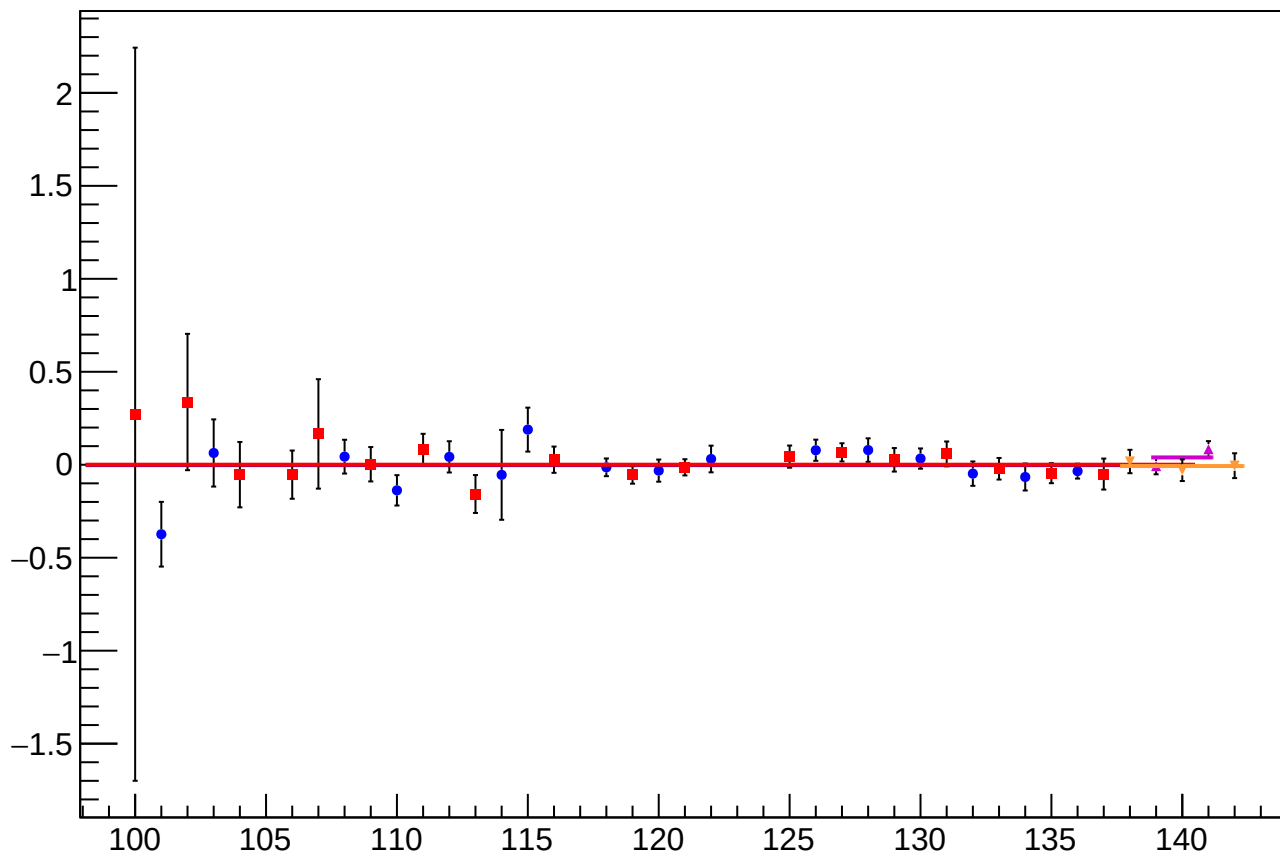
Left In: 37.845 $\pm$ 0.022 χ^2 /NDF:31.7/1

+ sign 41.831 $\pm$ 0.011 χ^2 /NDF: 1516021.5/18

All: 39.323 $\pm$ 0.008 χ^2 /NDF: 3455460.8/38

- sign 37.053 $\pm$ 0.010 χ^2 /NDF: 1838833.9/19

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 $\pm$ 0.017 χ^2 /NDF: 17.1/15

Left Out: -0.007 $\pm$ 0.036 χ^2 /NDF: 0.3/2

Right Out: 0.000 $\pm$ 0.017 χ^2 /NDF: 10.9/17

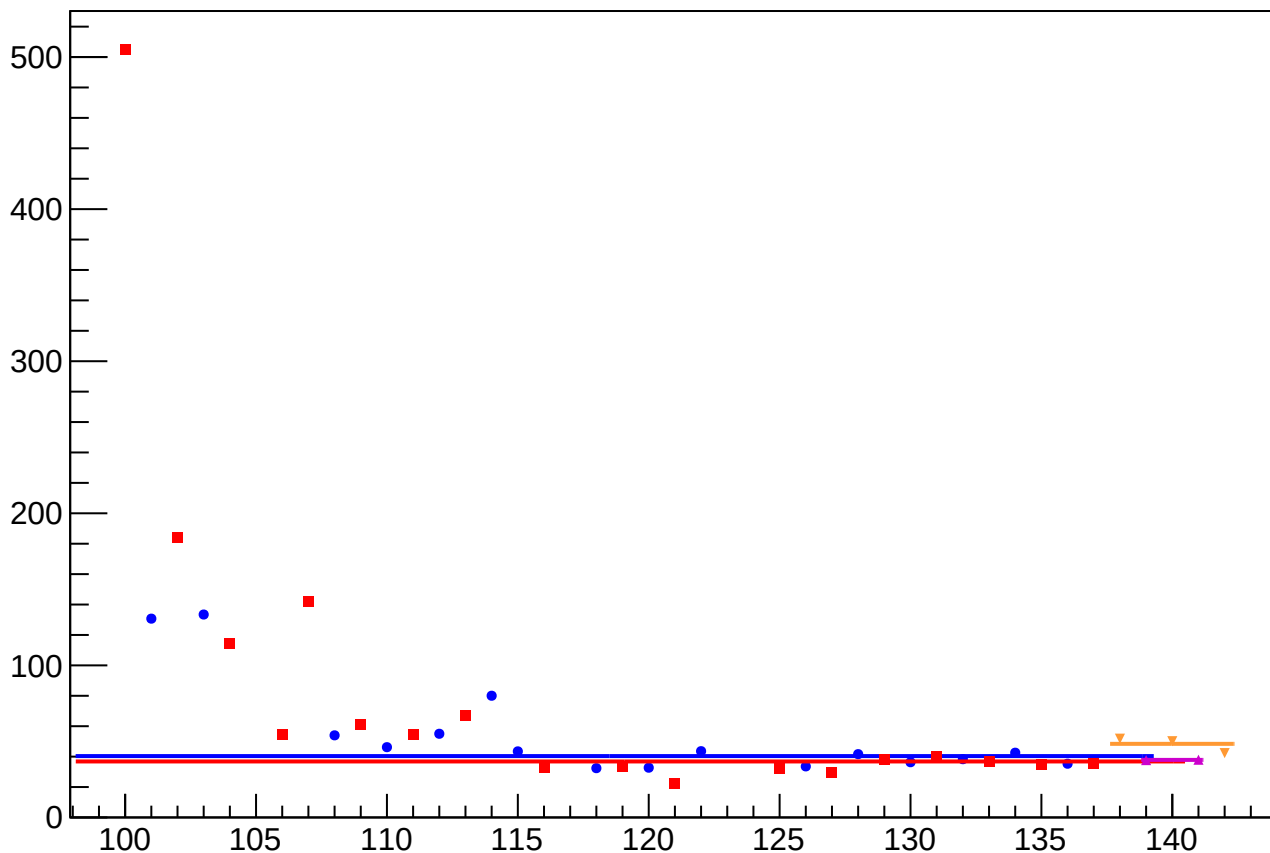
Left In: 0.039 $\pm$ 0.031 χ^2 /NDF: 2.1/1

+ sign -0.003 $\pm$ 0.015 χ^2 /NDF: 17.4/18

All: 0.003 $\pm$ 0.011 χ^2 /NDF: 32.0/38

- sign 0.009 $\pm$ 0.015 χ^2 /NDF: 14.3/19

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.352 $\pm$ 0.012 χ^2 /NDF: 1410137.1/15

Left Out: 48.403 $\pm$ 0.025 χ^2 /NDF:24255.6/2

Right Out: 36.825 $\pm$ 0.012 χ^2 /NDF: 1837124.6/17

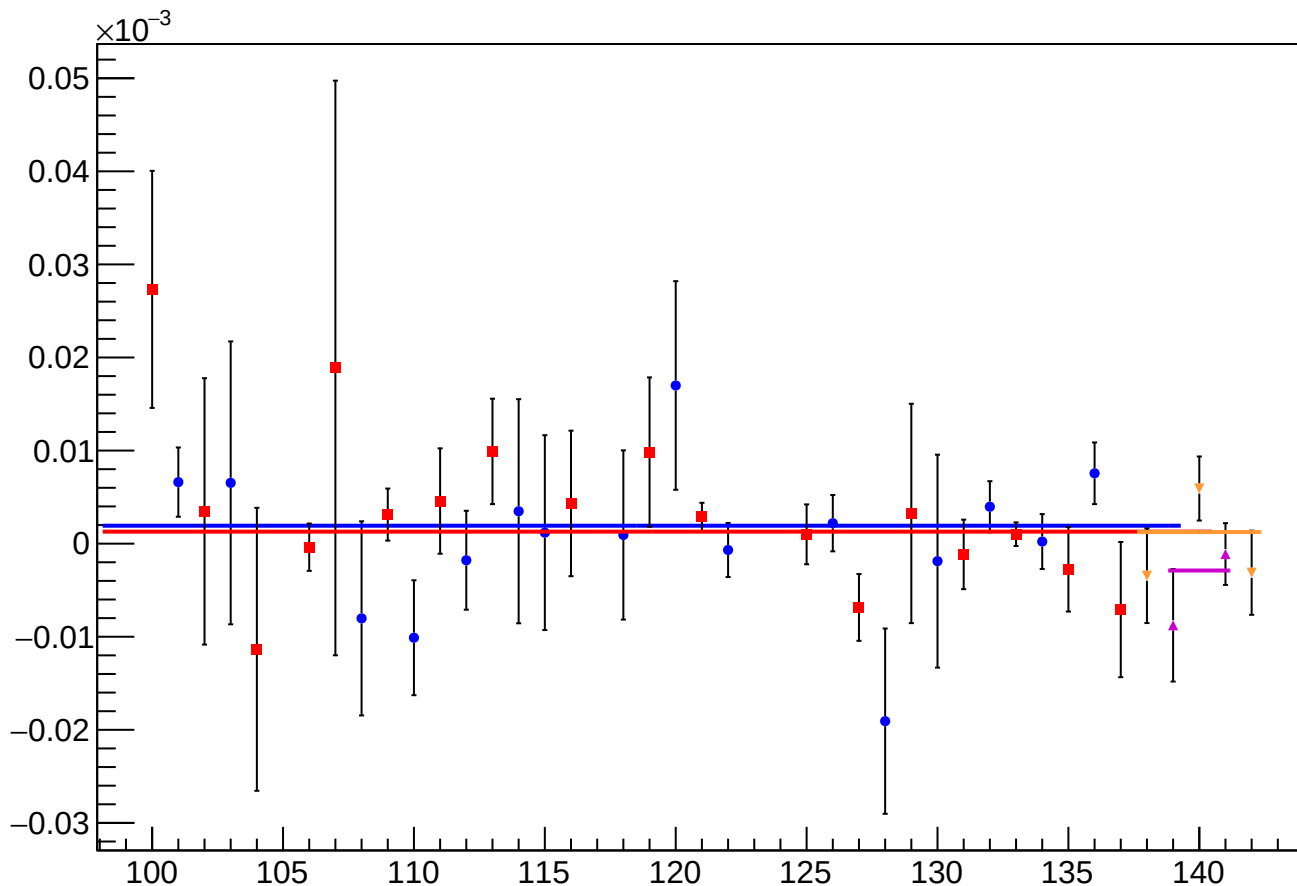
Left In: 37.845 $\pm$ 0.022 χ^2 /NDF:31.7/1

+ sign 41.831 $\pm$ 0.011 χ^2 /NDF: 1516021.5/18

All: 39.323 $\pm$ 0.008 χ^2 /NDF: 3455460.8/38

- sign 37.053 $\pm$ 0.010 χ^2 /NDF: 1838833.9/19

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 17.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3.6/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 18.9/17

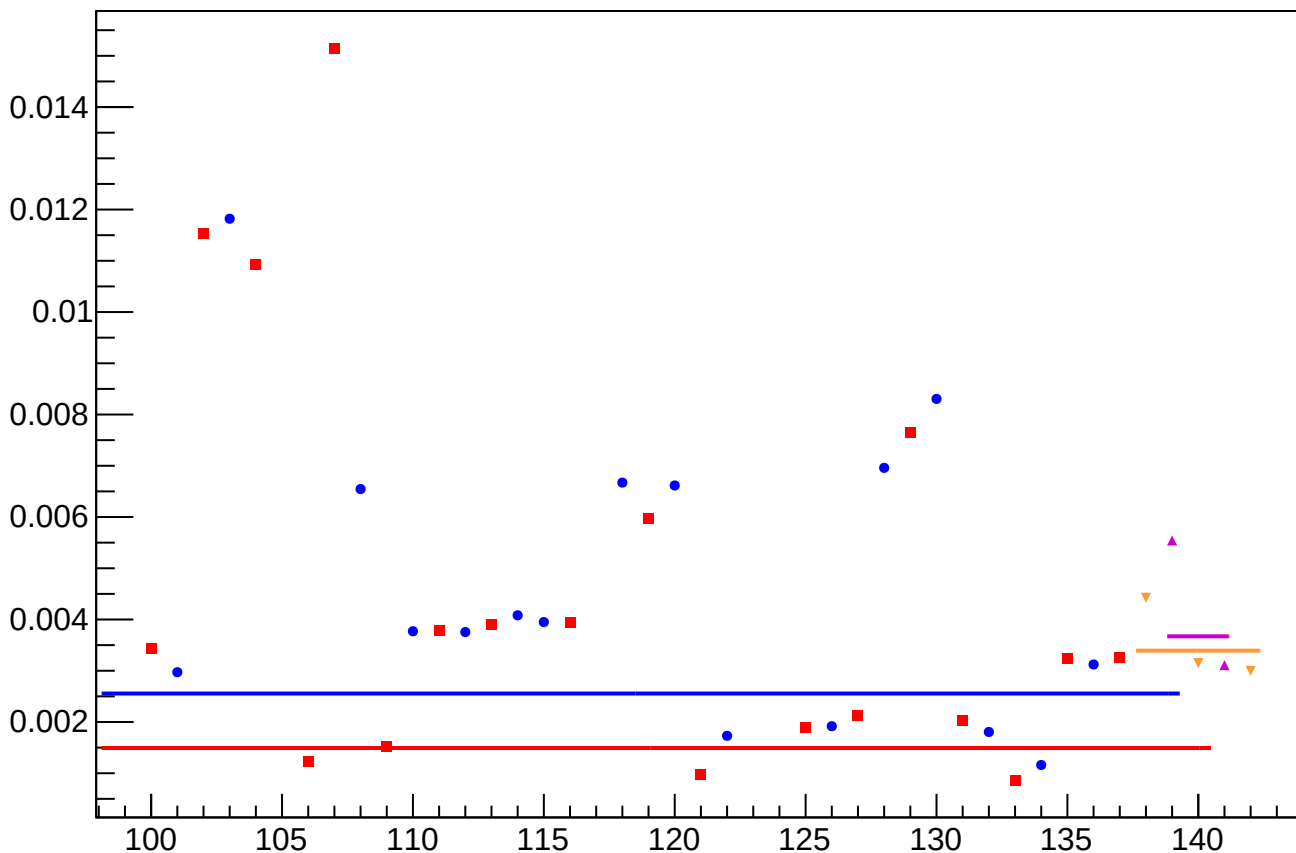
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 1.2/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 21.6/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 44.0/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 22.0/19

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 :107472.5/2

Right Out: 0.001+/-0.000 χ^2/NDF : 5561830.1/17

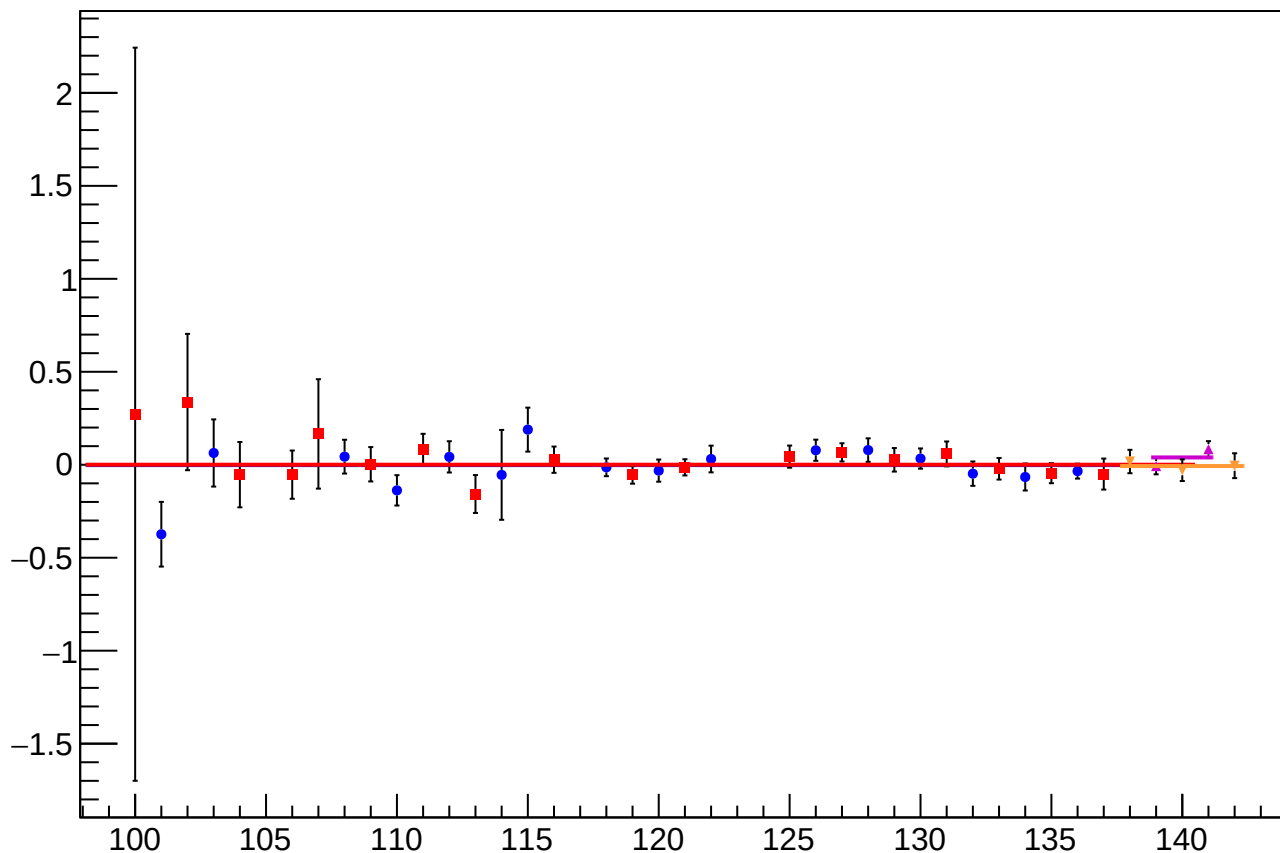
Left In: 0.004+/-0.000 χ^2/NDF :249101.4/1

+ sign 0.003+/-0.000 χ^2/NDF : 4086607.8/18

All: 0.002+/-0.000 χ^2/NDF : 12413126.3/38

- sign 0.002+/-0.000 χ^2/NDF : 6864677.0/19

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: -0.007 ± 0.036 χ^2/NDF : 0.3/2

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

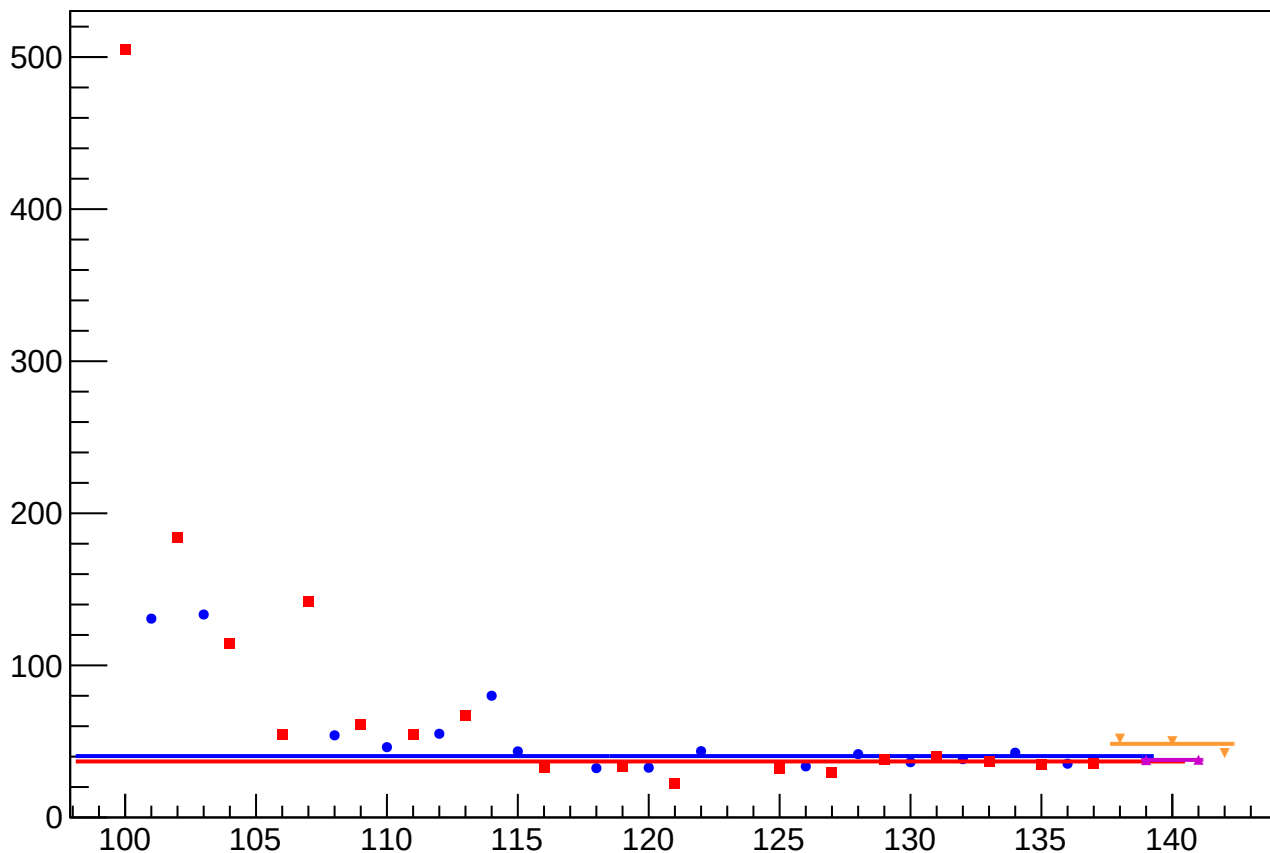
Left In: 0.039 ± 0.031 χ^2/NDF : 2.1/1

+ sign -0.003 ± 0.015 χ^2/NDF : 17.4/18

All: 0.003 ± 0.011 χ^2/NDF : 32.0/38

- sign 0.009 ± 0.015 χ^2/NDF : 14.3/19

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: 48.403 $\pm$ 0.025 χ^2 /NDF:24259.1/2

Right Out: 36.824 $\pm$ 0.012 χ^2 /NDF: 1837118.8/17

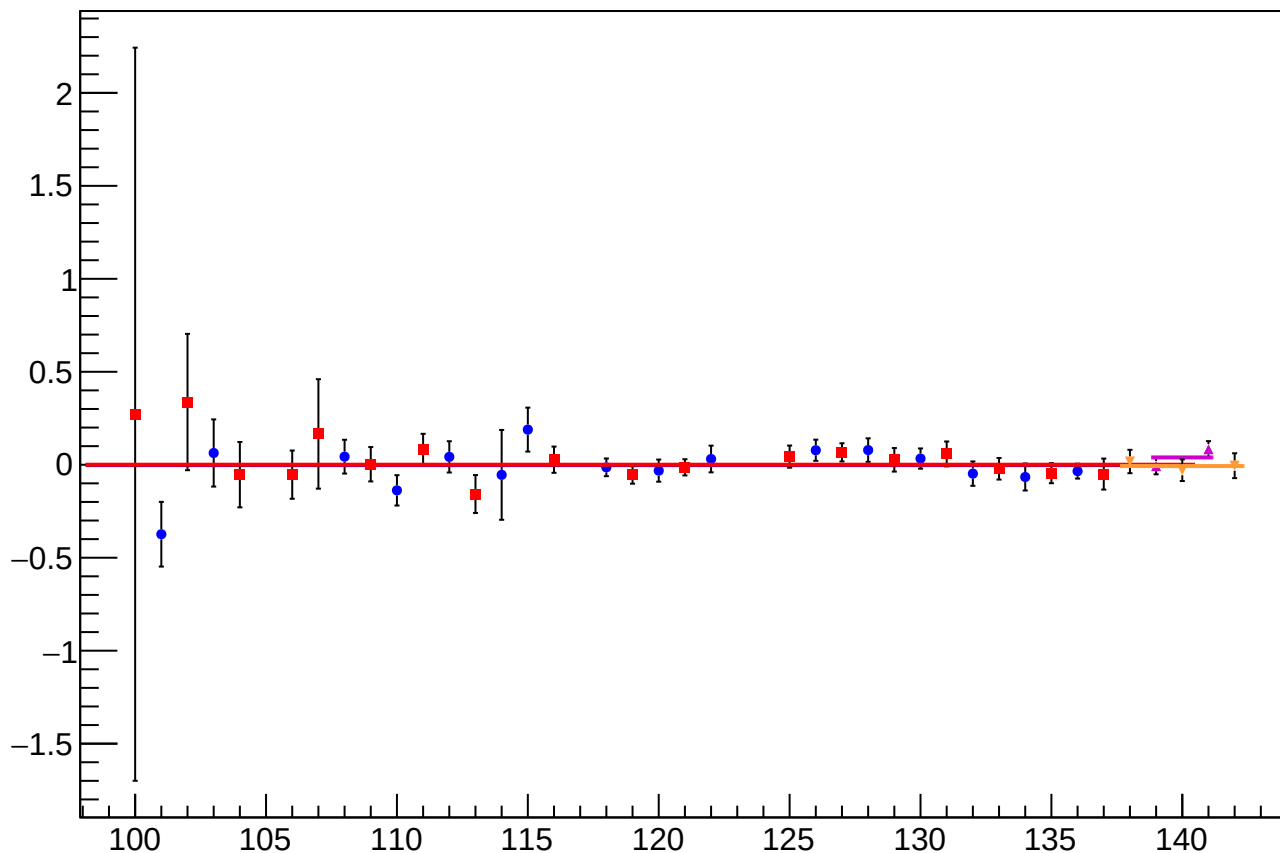
Left In: 37.845 $\pm$ 0.022 χ^2 /NDF:31.3/1

+ sign 41.831 $\pm$ 0.011 χ^2 /NDF: 1515909.3/18

All: 39.323 $\pm$ 0.008 χ^2 /NDF: 3455393.0/38

- sign 37.053 $\pm$ 0.010 χ^2 /NDF: 1838830.6/19

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: -0.007 ± 0.036 χ^2/NDF : 0.3/2

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

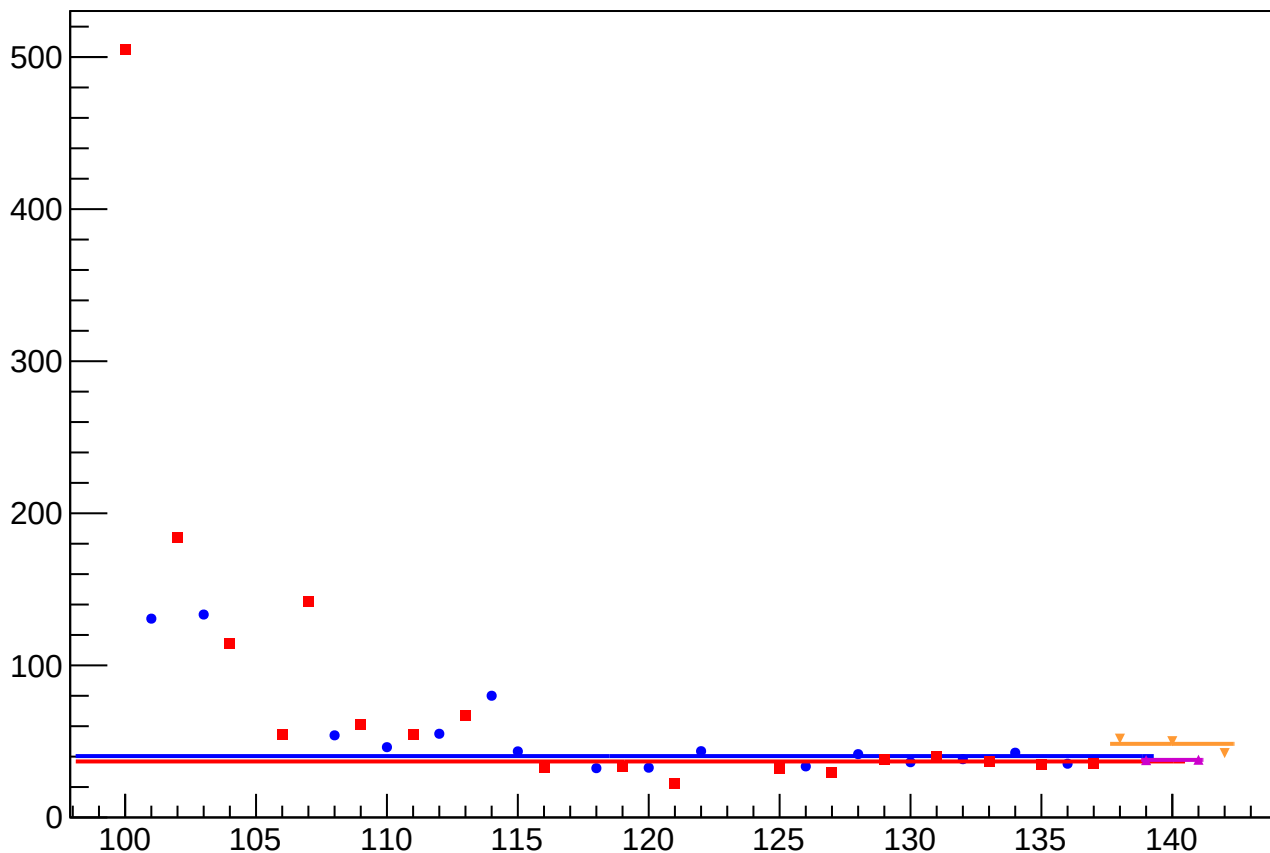
Left In: 0.039 ± 0.031 χ^2/NDF : 2.1/1

+ sign -0.003 ± 0.015 χ^2/NDF : 17.4/18

All: 0.003 ± 0.011 χ^2/NDF : 32.0/38

- sign 0.009 ± 0.015 χ^2/NDF : 14.3/19

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.352 $\pm$ 0.012 χ^2 /NDF: 1410036.7/15

Left Out: 48.403 $\pm$ 0.025 χ^2 /NDF:24259.1/2

Right Out: 36.824 $\pm$ 0.012 χ^2 /NDF: 1837118.8/17

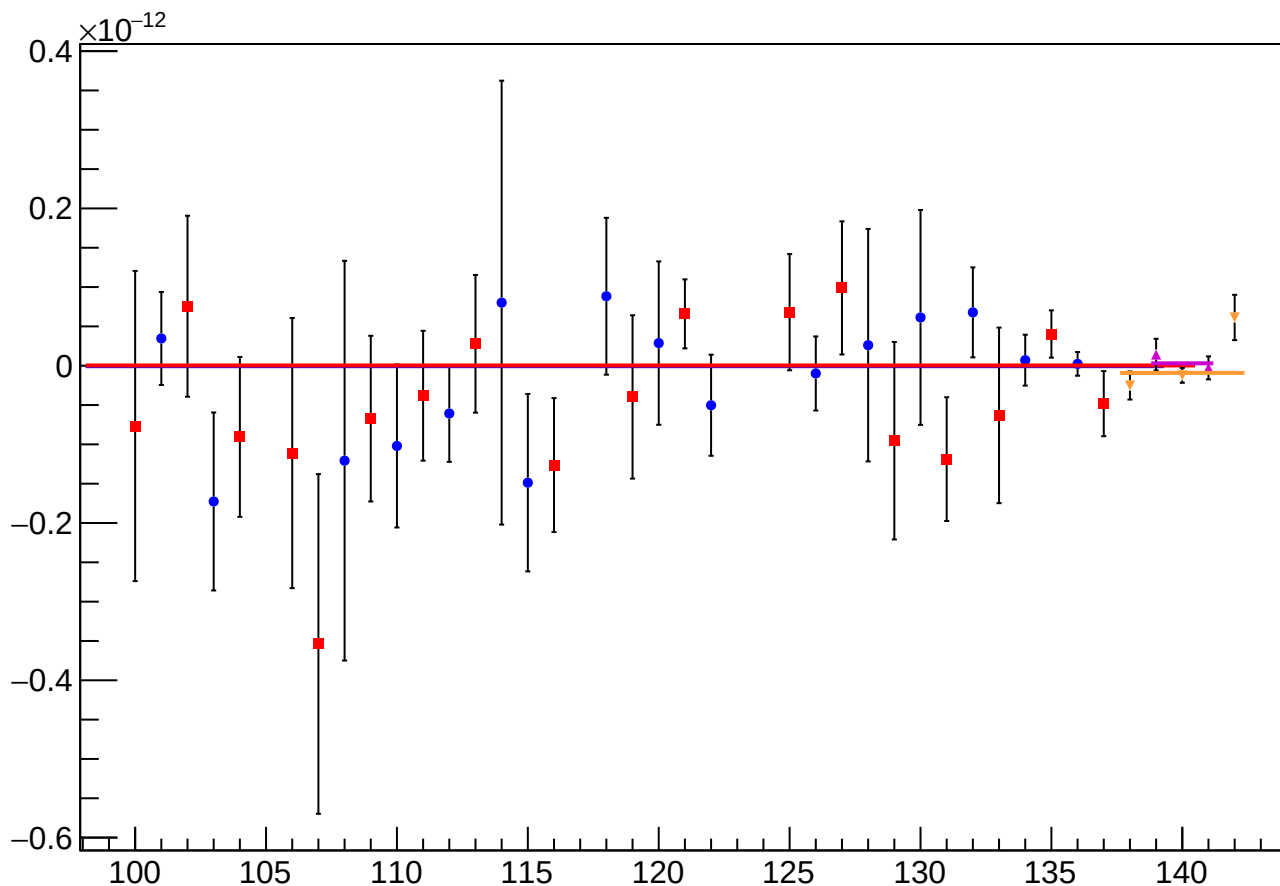
Left In: 37.845 $\pm$ 0.022 χ^2 /NDF:31.3/1

+ sign 41.831 $\pm$ 0.011 χ^2 /NDF: 1515909.3/18

All: 39.323 $\pm$ 0.008 χ^2 /NDF: 3455393.0/38

- sign 37.053 $\pm$ 0.010 χ^2 /NDF: 1838830.6/19

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 9.9/15

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

Right Out: 0.000+/-0.000 χ^2 /NDF: 18.4/17

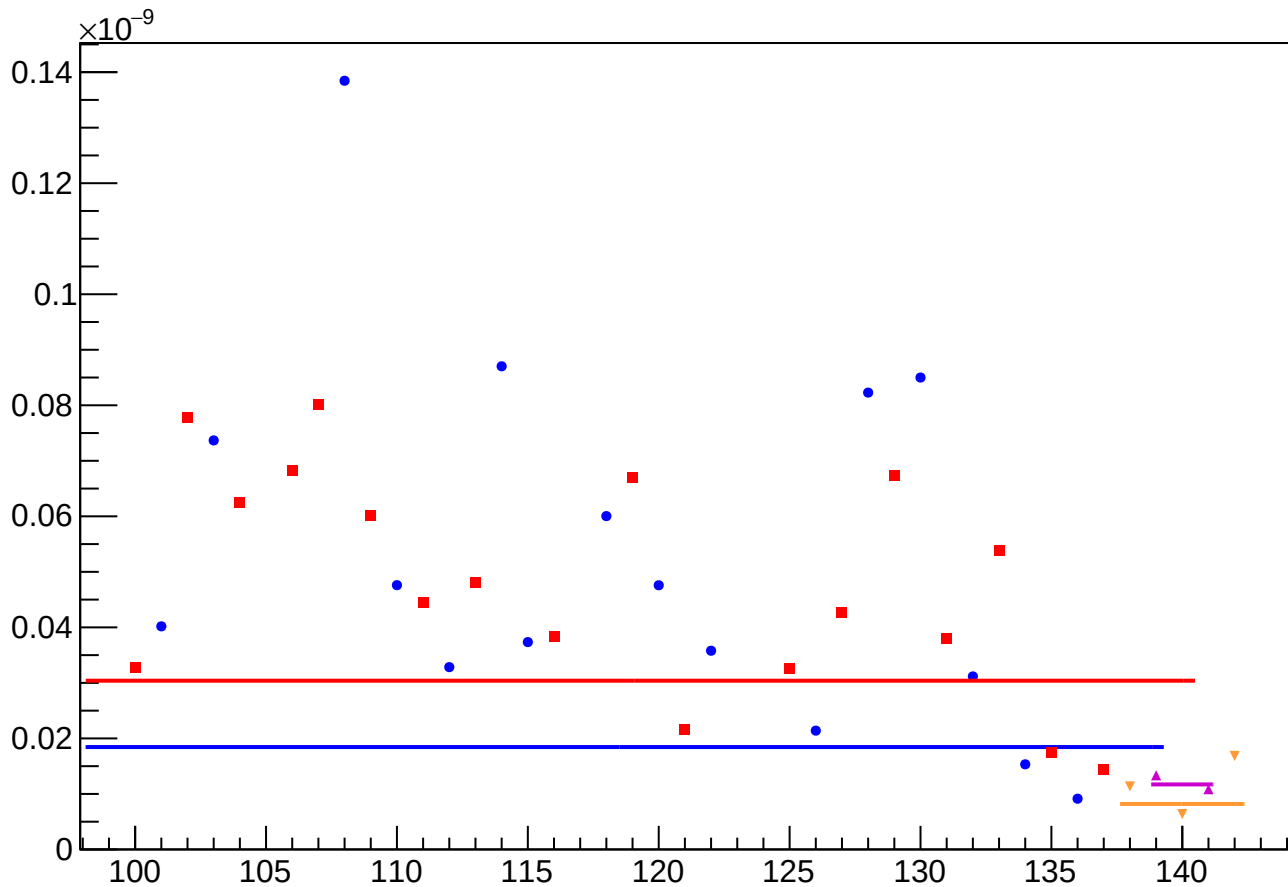
Left In: 0.000+/-0.000 χ^2 /NDF:0.5/1

+ sign -0.000+/-0.000 χ^2 /NDF: 17.2/18

All: -0.000+/-0.000 χ^2 /NDF: 36.5/38

- sign 0.000+/-0.000 χ^2 /NDF: 18.8/19

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 317304.7/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2387224.9/17

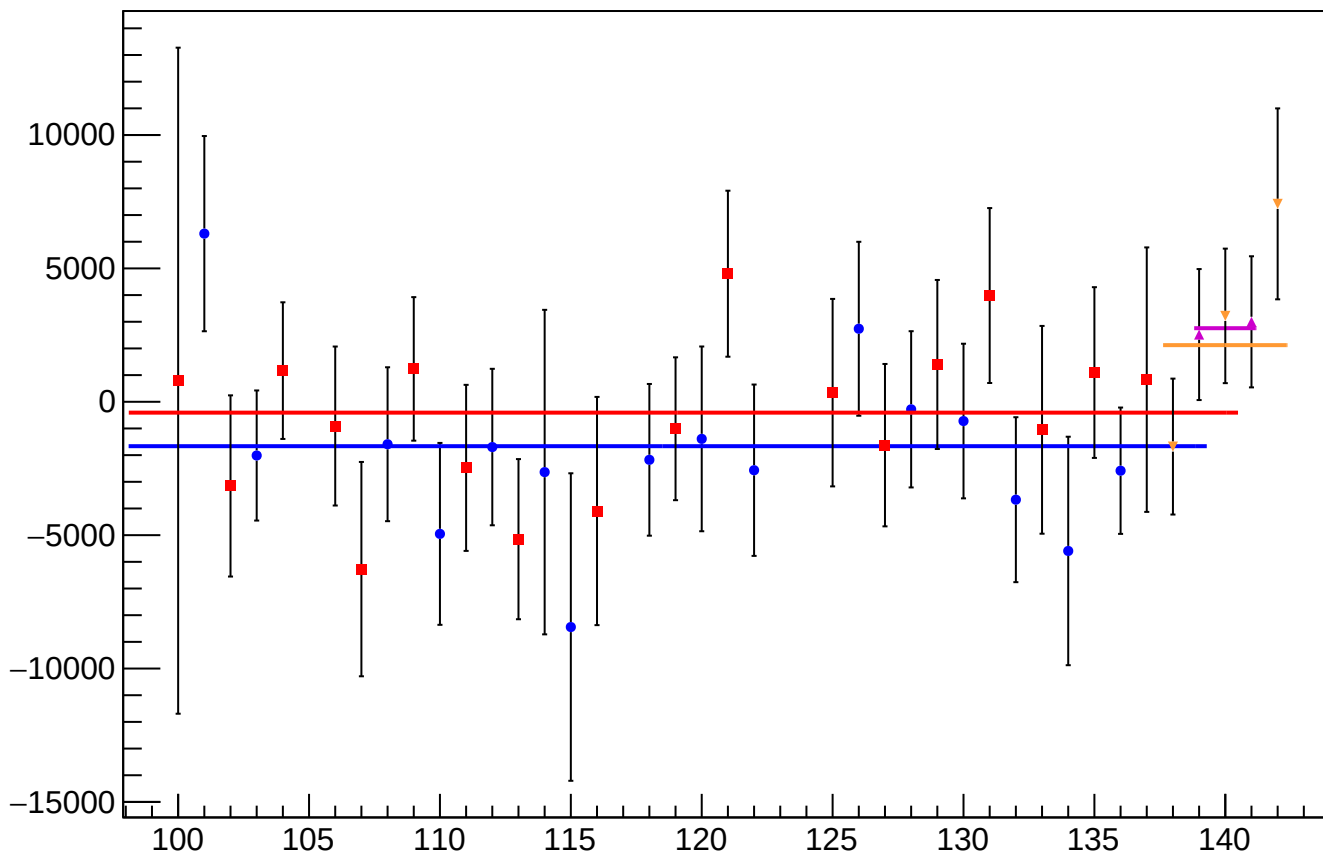
Left In: 0.000+/-0.000 χ^2/NDF : 20298.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 5401261.5/18

All: 0.000+/-0.000 χ^2/NDF : 10137803.3/38

- sign 0.000+/-0.000 χ^2/NDF : 4107622.6/19

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.305 $\pm$ 792.164 χ^2 /NDF: 10.8/15

Left Out: 2123.612 $\pm$ 1602.445 χ^2 /NDF: 4.6/2

Right Out: -406.847 $\pm$ 777.158 χ^2 /NDF: 12.7/17

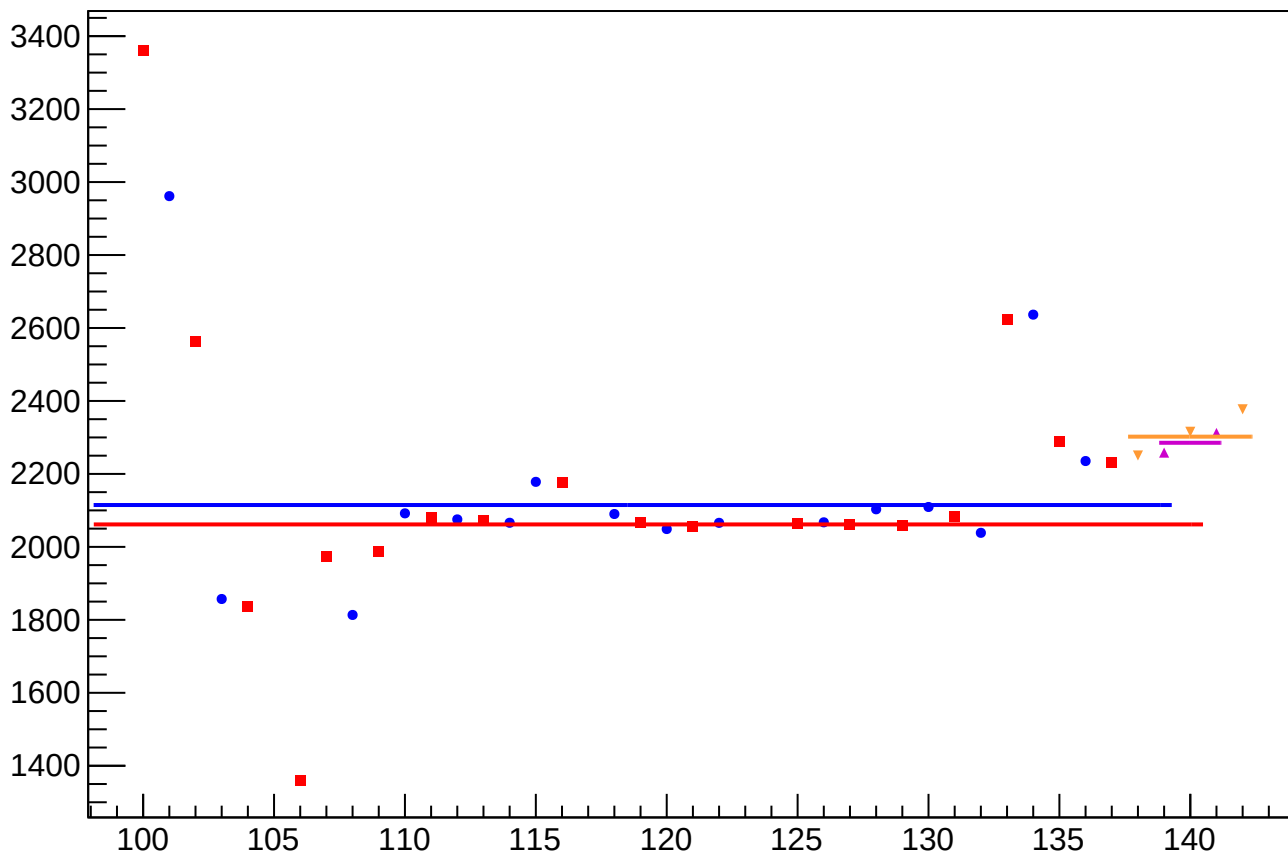
Left In: 2758.695 $\pm$ 1737.050 χ^2 /NDF: 0.0/1

+ sign -920.410 $\pm$ 710.131 χ^2 /NDF: 19.9/18

All: -399.109 $\pm$ 501.878 χ^2 /NDF: 36.5/38

- sign 121.112 $\pm$ 709.395 χ^2 /NDF: 15.5/19

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF : 189920.6/15

Left Out: 2302.149+/-1.133 χ^2/NDF :1755.4/2

Right Out: 2061.560+/-0.550 χ^2/NDF : 249186.6/17

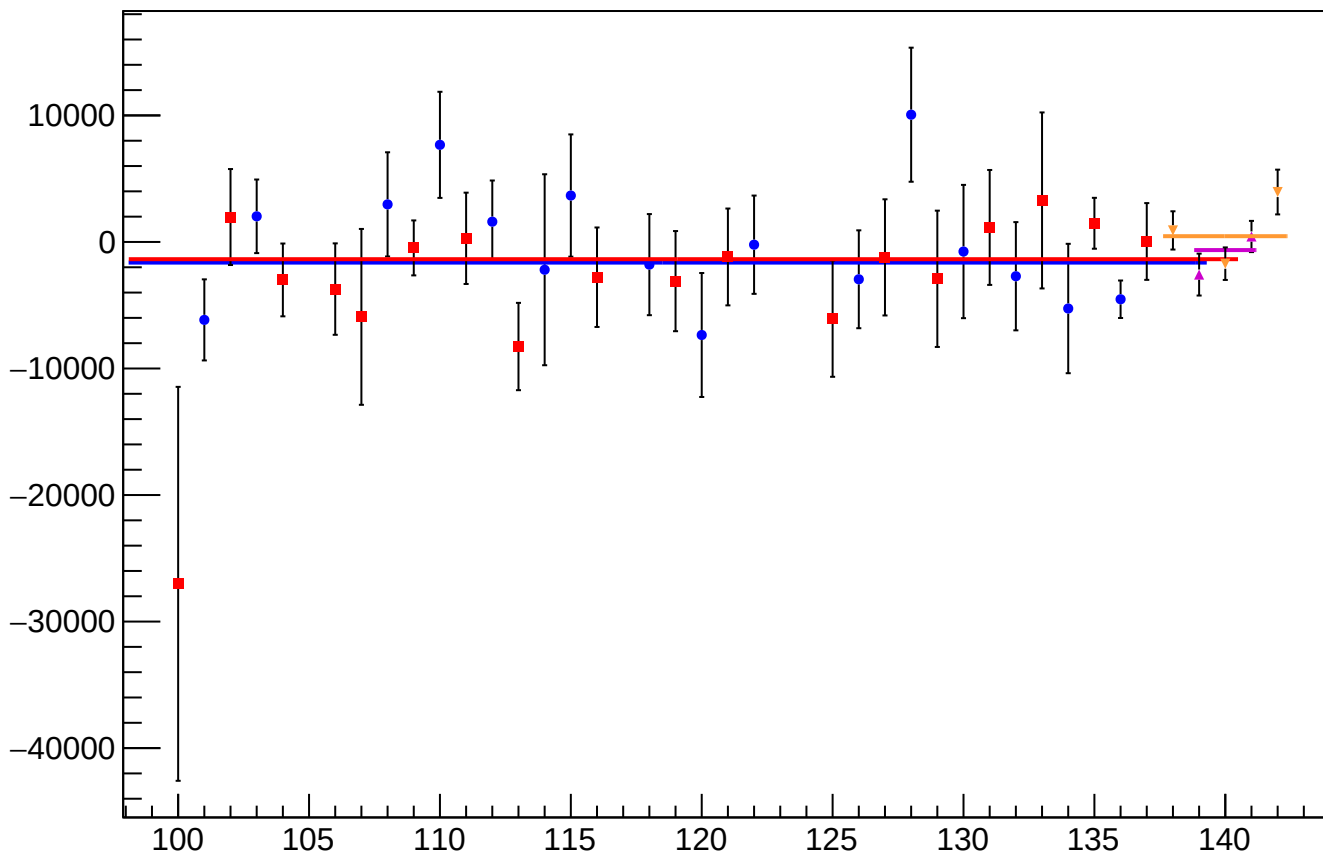
Left In: 2285.337+/-1.228 χ^2/NDF :481.5/1

+ sign 2151.557+/-0.502 χ^2/NDF : 213655.7/18

All: 2125.192+/-0.355 χ^2/NDF : 496488.0/38

- sign 2098.882+/-0.502 χ^2/NDF : 277324.4/19

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: 455.995 ± 856.711 χ^2/NDF : 6.8/2

Right Out: -1361.841 ± 840.417 χ^2/NDF : 13.5/17

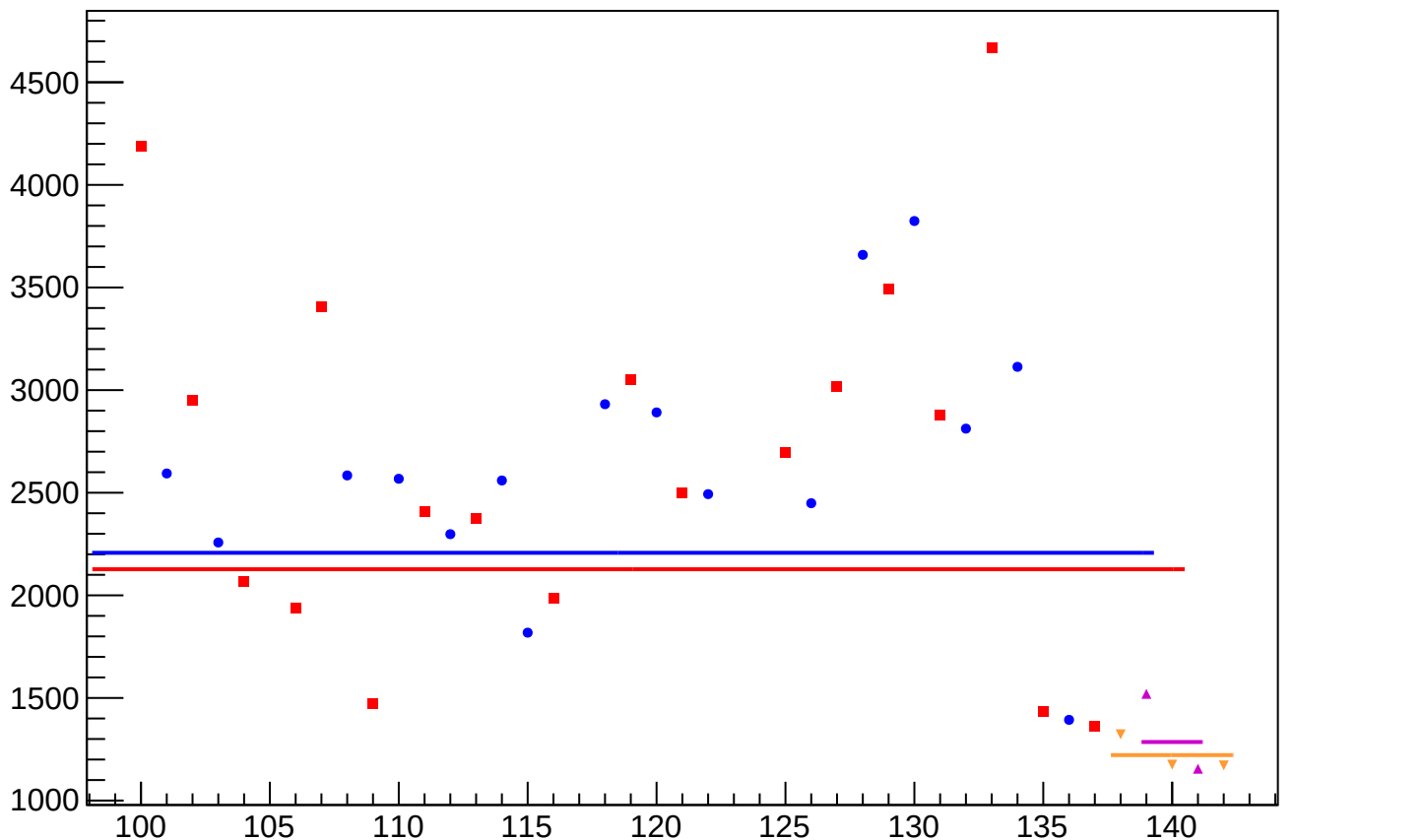
Left In: -641.736 ± 989.131 χ^2/NDF : 2.1/1

+ sign -580.315 ± 607.793 χ^2/NDF : 32.6/18

All: -807.584 ± 440.870 χ^2/NDF : 48.8/38

- sign -1059.937 ± 640.457 χ^2/NDF : 15.9/19

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: 1221.608+/-0.606 χ^2/NDF : 13206.6/2

+ sign 1711.160+/-0.430 χ^2/NDF : 2577335.8/18

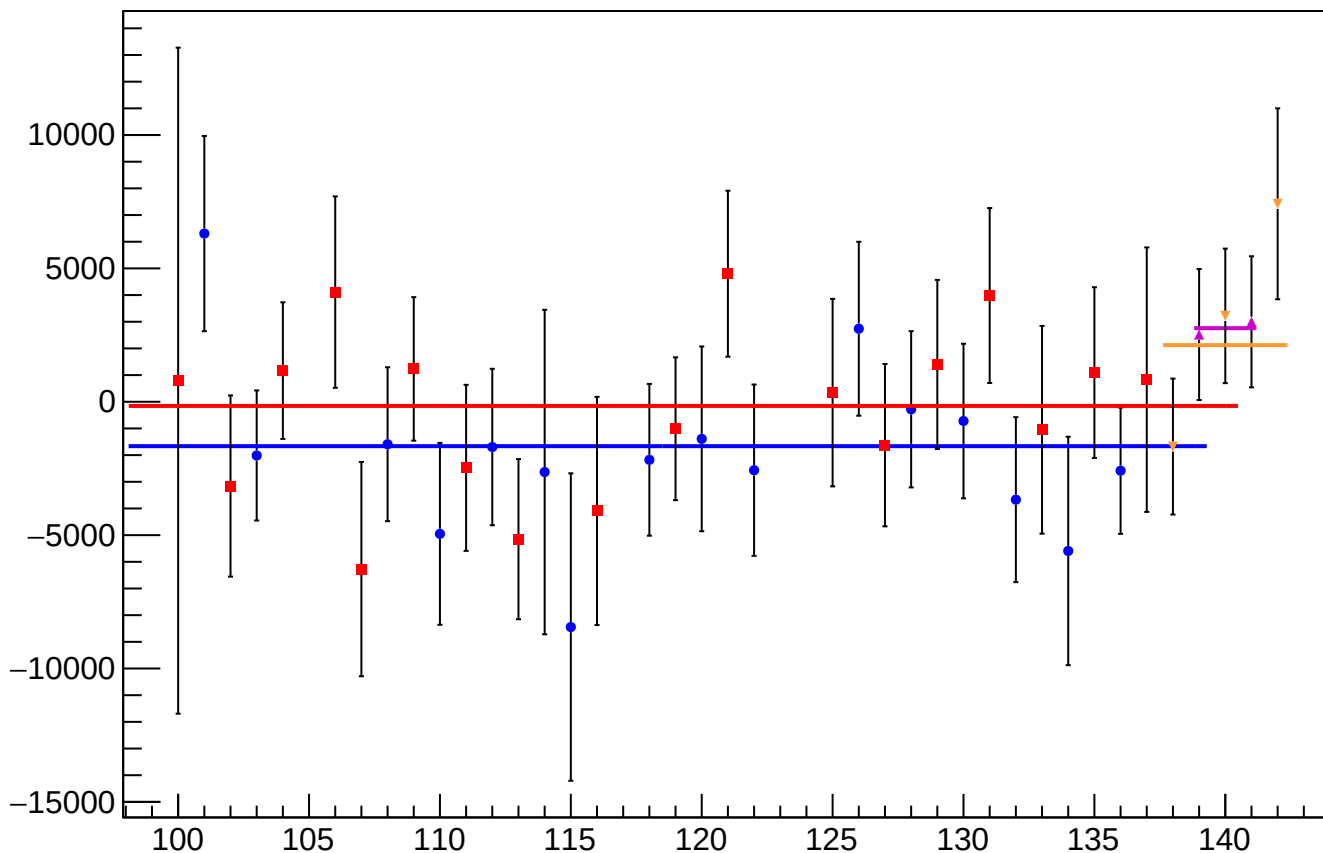
Right Out: 2127.224+/-0.594 χ^2/NDF : 1458046.9/17

All: 1741.074+/-0.312 χ^2/NDF : 4949390.8/38

- sign 1774.290+/-0.453 χ^2/NDF : 2361830.5/19

Left In: 1285.400+/-0.699 χ^2/NDF : 62476.7/1

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: 2124.061 $\pm$ 1602.445 χ^2 /NDF: 4.6/2

Right Out: -155.775 $\pm$ 785.481 χ^2 /NDF: 14.2/17

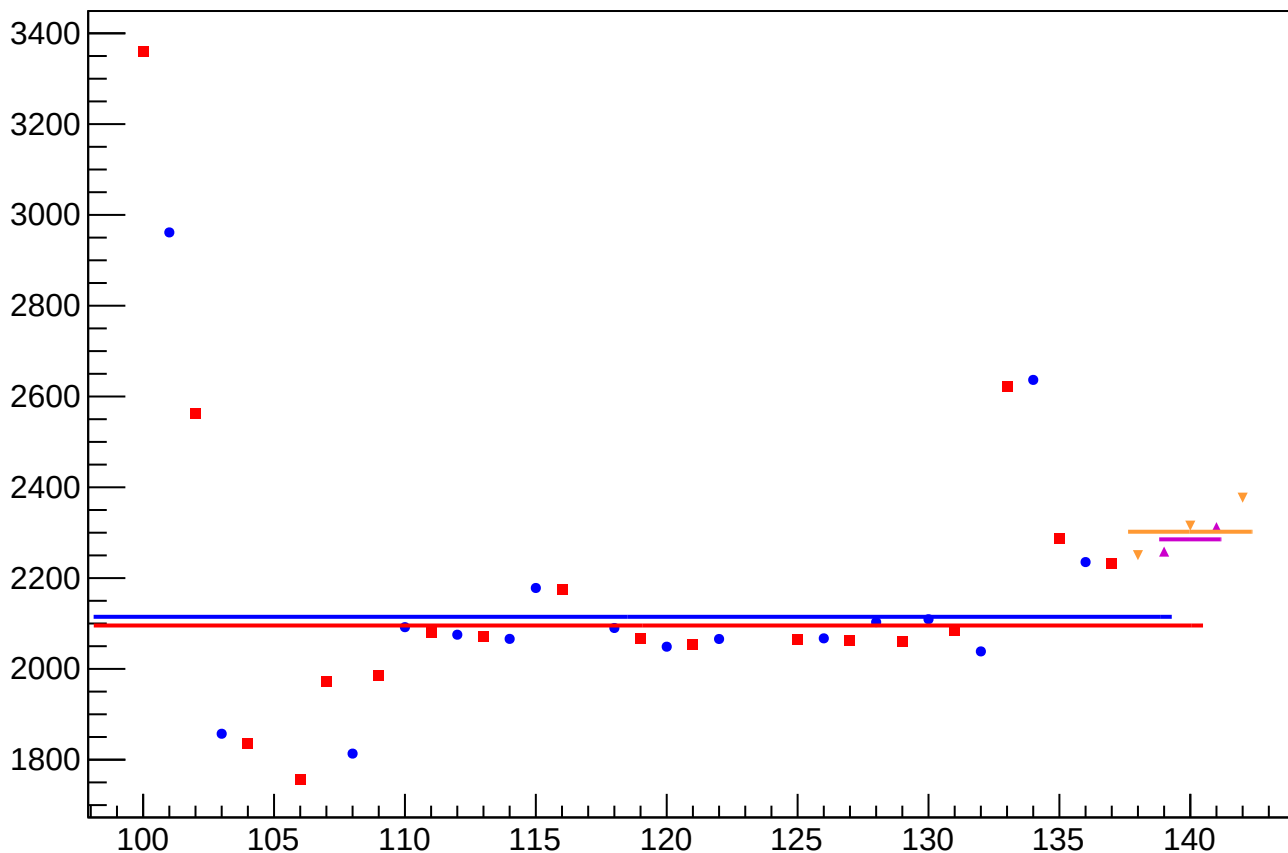
Left In: 2758.996 $\pm$ 1737.050 χ^2 /NDF: 0.0/1

+ sign -920.263 $\pm$ 710.131 χ^2 /NDF: 19.9/18

All: -295.532 $\pm$ 504.099 χ^2 /NDF: 38.0/38

- sign 339.051 $\pm$ 715.709 χ^2 /NDF: 16.6/19

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF : 189920.9/15

Left Out: 2302.149+/-1.133 χ^2/NDF : 1755.4/2

Right Out: 2095.597+/-0.555 χ^2/NDF : 149360.5/17

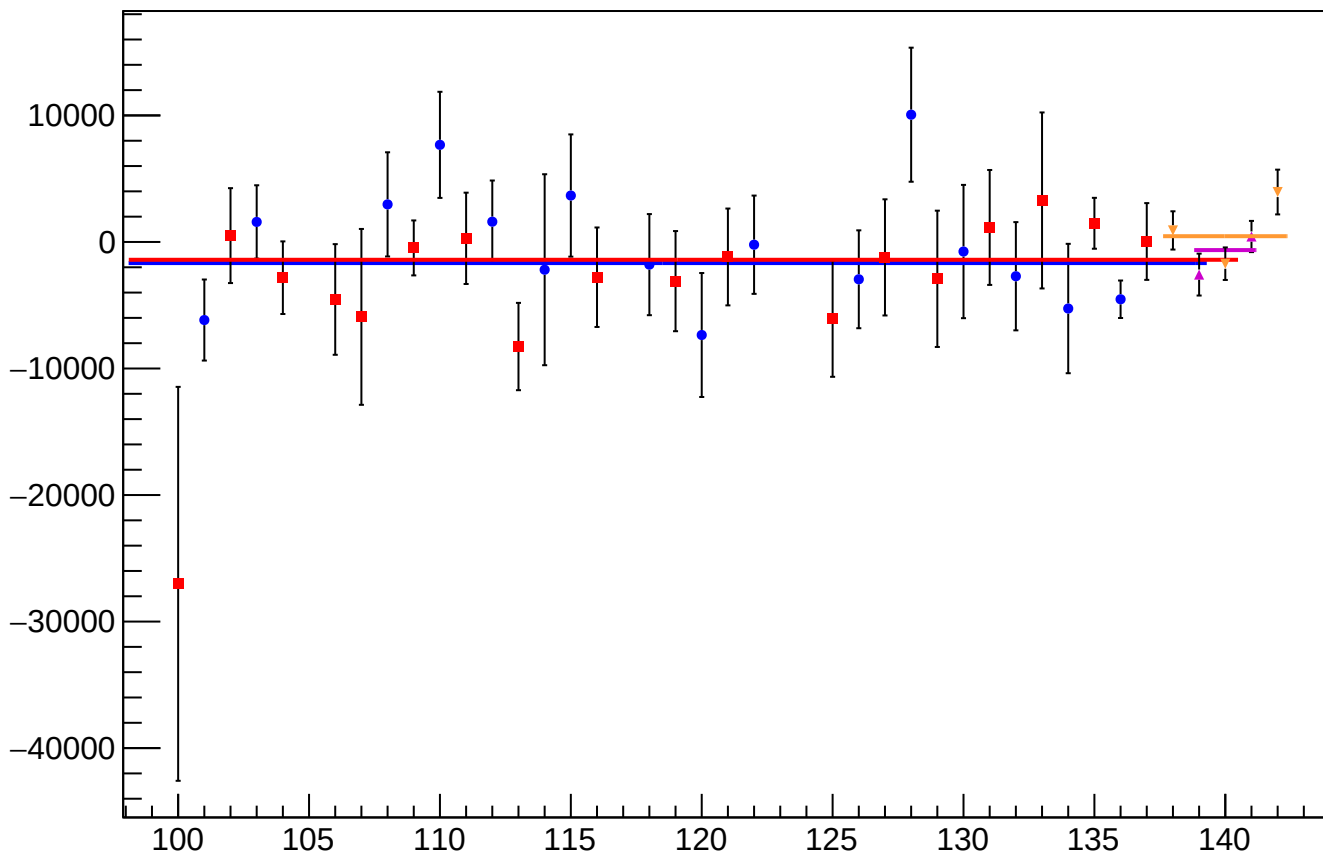
Left In: 2285.337+/-1.228 χ^2/NDF : 481.5/1

+ sign 2151.556+/-0.502 χ^2/NDF : 213656.1/18

All: 2139.775+/-0.356 χ^2/NDF : 384419.6/38

- sign 2127.808+/-0.506 χ^2/NDF : 169653.8/19

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug



Right In: -1668.482 $\pm$ 862.126 χ^2 /NDF: 22.5/15

Left Out: 455.834 $\pm$ 856.730 χ^2 /NDF: 6.8/2

Right Out: -1407.975 $\pm$ 847.068 χ^2 /NDF: 13.0/17

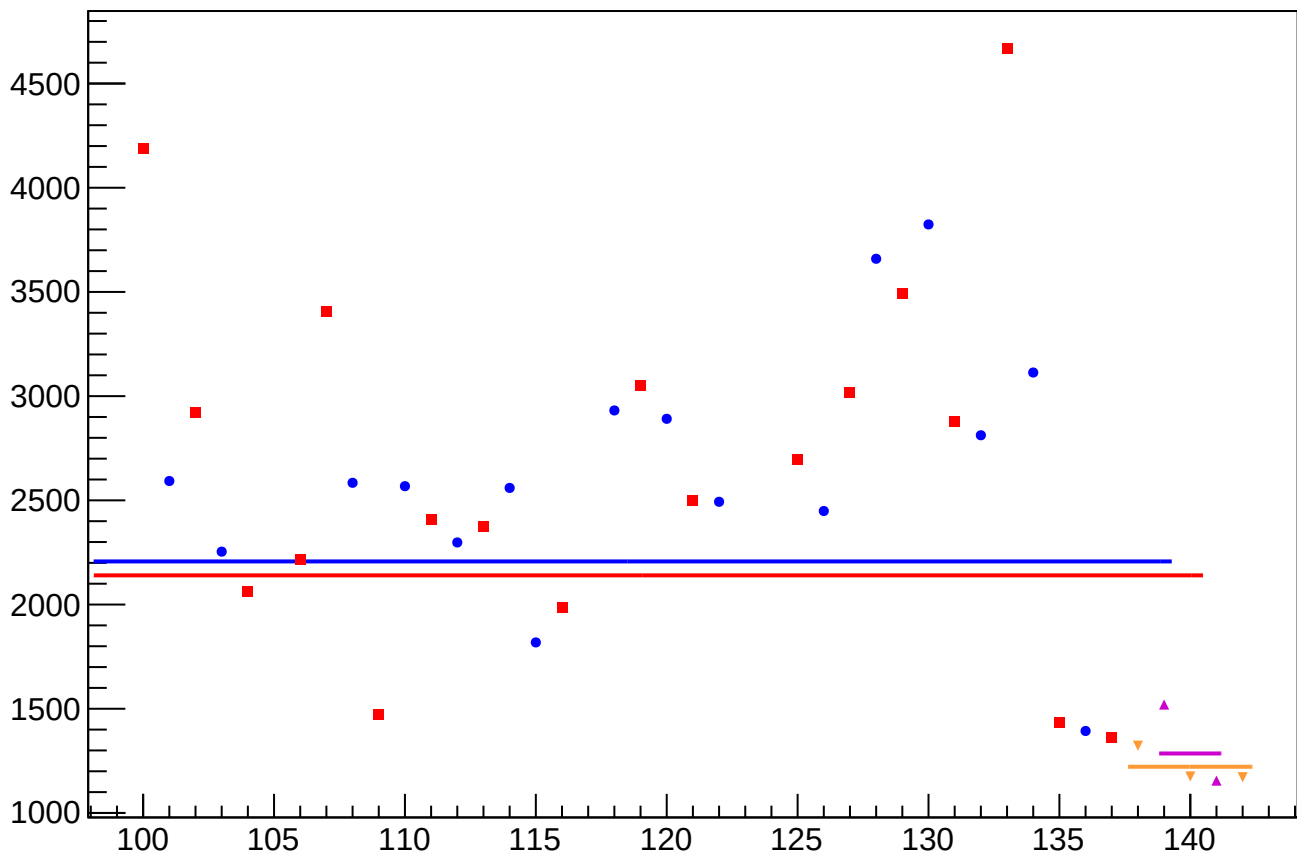
Left In: -641.880 $\pm$ 989.112 χ^2 /NDF: 2.1/1

+ sign -599.656 $\pm$ 607.698 χ^2 /NDF: 32.4/18

All: -827.949 $\pm$ 441.784 χ^2 /NDF: 48.1/38

- sign -1083.839 $\pm$ 643.381 χ^2 /NDF: 15.4/19

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: 1221.638 $\pm$ 0.606 χ^2 /NDF:13197.1/2

Right Out: 2140.060 $\pm$ 0.599 χ^2 /NDF: 1448366.8/17

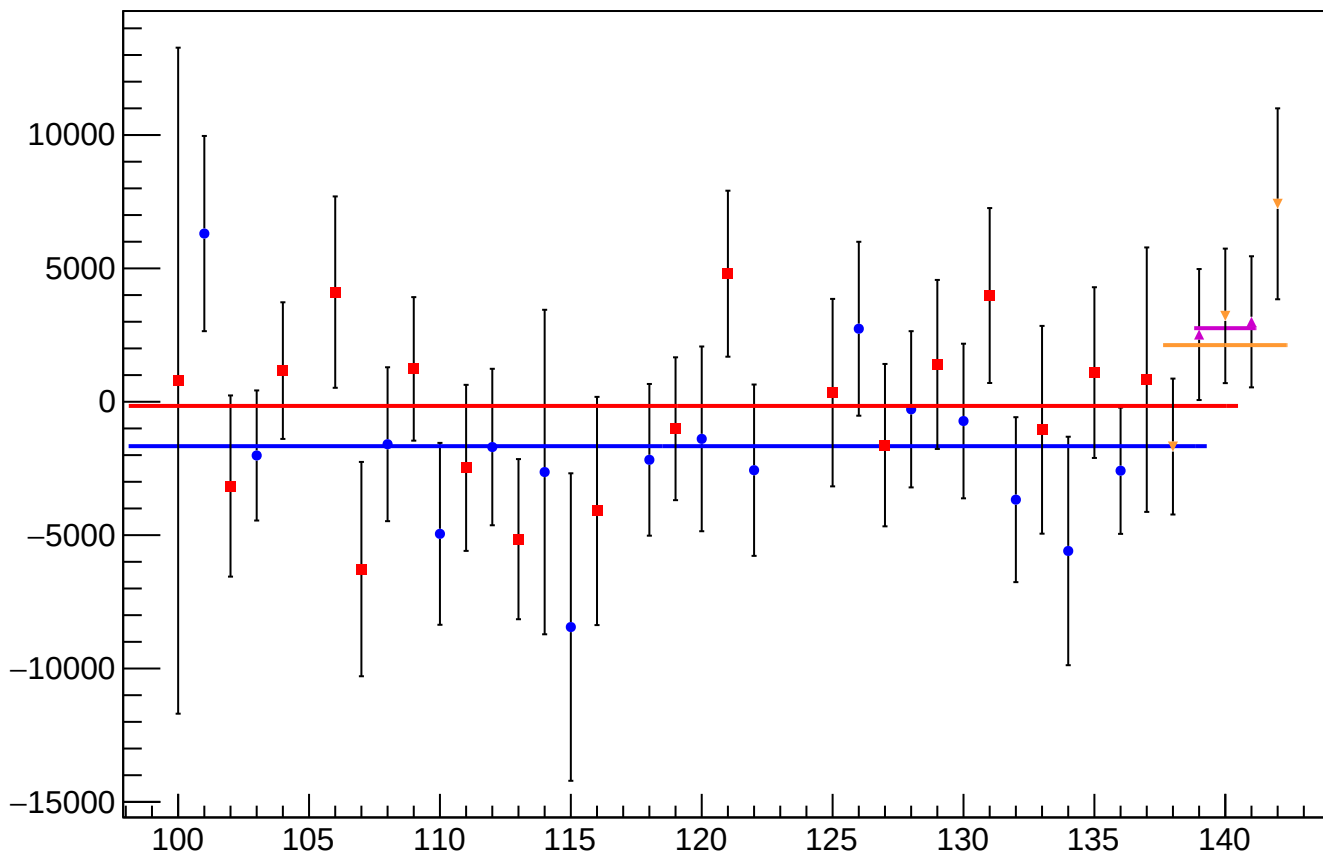
Left In: 1285.373 $\pm$ 0.699 χ^2 /NDF:62491.4/1

+ sign 1711.185 $\pm$ 0.430 χ^2 /NDF: 2576527.0/18

All: 1742.896 $\pm$ 0.312 χ^2 /NDF: 4960429.2/38

- sign 1778.440 $\pm$ 0.455 χ^2 /NDF: 2372352.0/19

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: 2124.061 $\pm$ 1602.445 χ^2 /NDF: 4.6/2

Right Out: -155.775 $\pm$ 785.481 χ^2 /NDF: 14.2/17

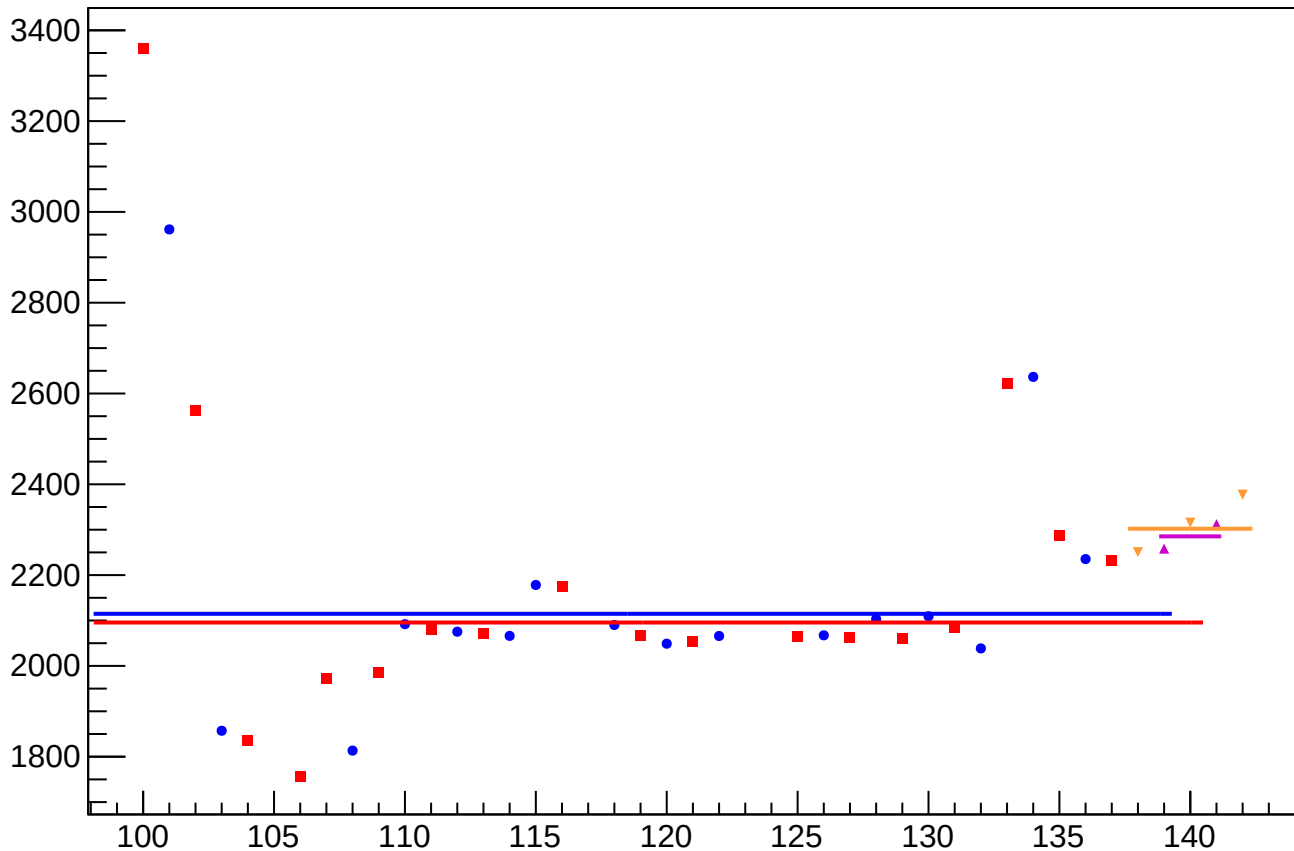
Left In: 2758.996 $\pm$ 1737.050 χ^2 /NDF: 0.0/1

+ sign -920.263 $\pm$ 710.131 χ^2 /NDF: 19.9/18

All: -295.532 $\pm$ 504.099 χ^2 /NDF: 38.0/38

- sign 339.051 $\pm$ 715.709 χ^2 /NDF: 16.6/19

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF : 189920.9/15

Left Out: 2302.149+/-1.133 χ^2/NDF : 1755.4/2

+ sign 2151.556+/-0.502 χ^2/NDF : 213656.1/18

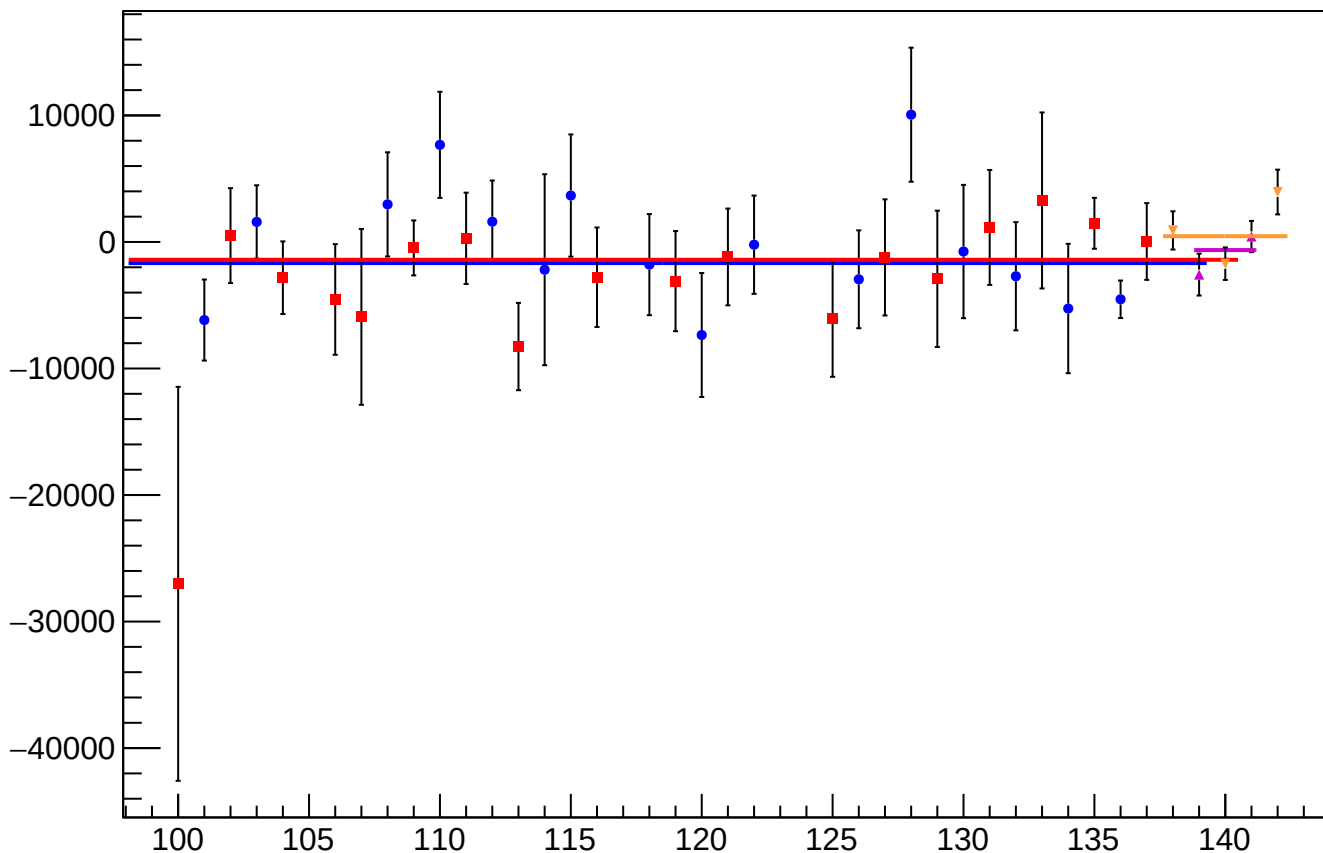
Right Out: 2095.597+/-0.555 χ^2/NDF : 149360.5/17

All: 2139.775+/-0.356 χ^2/NDF : 384419.6/38

- sign 2127.808+/-0.506 χ^2/NDF : 169653.8/19

Left In: 2285.337+/-1.228 χ^2/NDF : 481.5/1

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: 455.834 ± 856.730 χ^2/NDF : 6.8/2

Right Out: -1407.975 ± 847.068 χ^2/NDF : 13.0/17

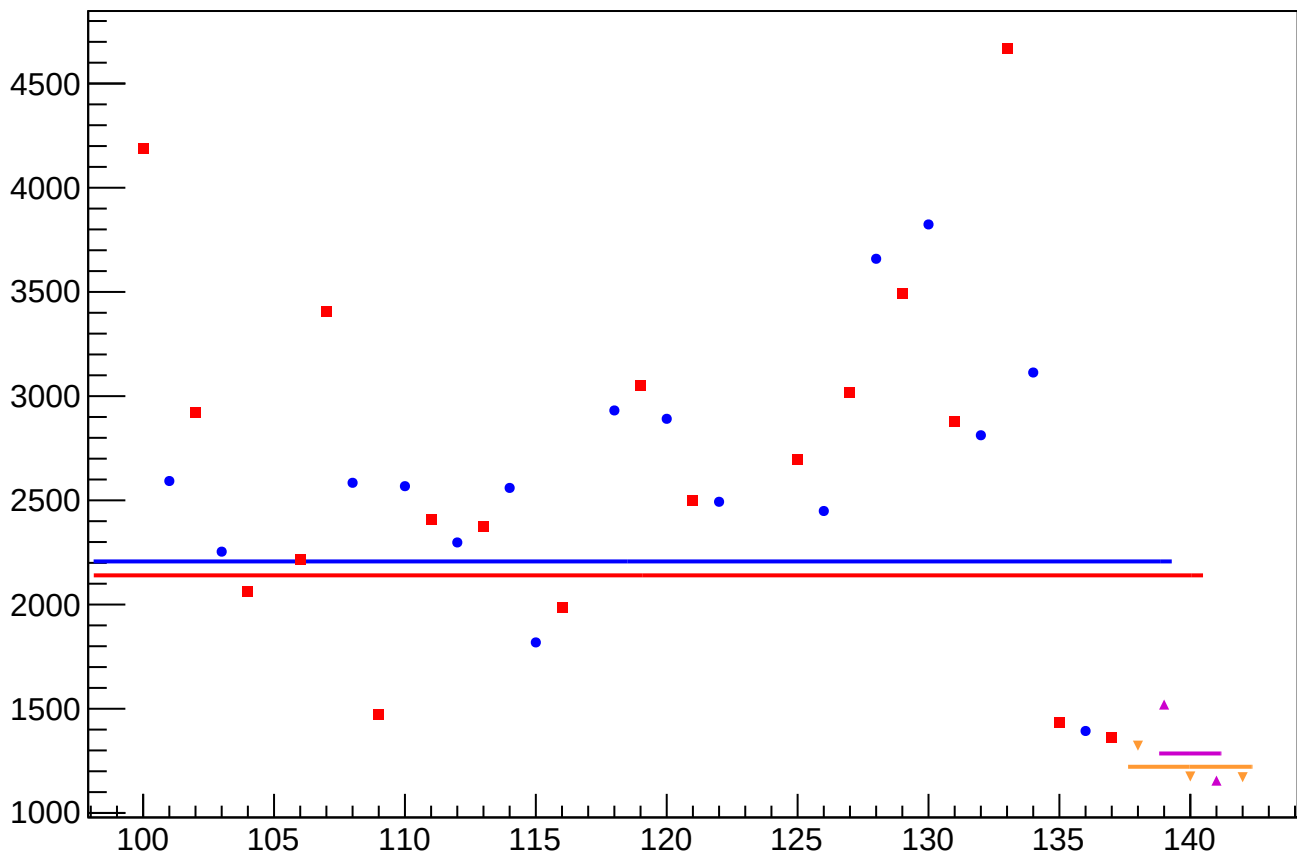
Left In: -641.880 ± 989.112 χ^2/NDF : 2.1/1

+ sign -599.656 ± 607.698 χ^2/NDF : 32.4/18

All: -827.949 ± 441.784 χ^2/NDF : 48.1/38

- sign -1083.839 ± 643.381 χ^2/NDF : 15.4/19

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: 1221.638 $\pm$ 0.606 χ^2 /NDF:13197.1/2

Right Out: 2140.060 $\pm$ 0.599 χ^2 /NDF: 1448366.8/17

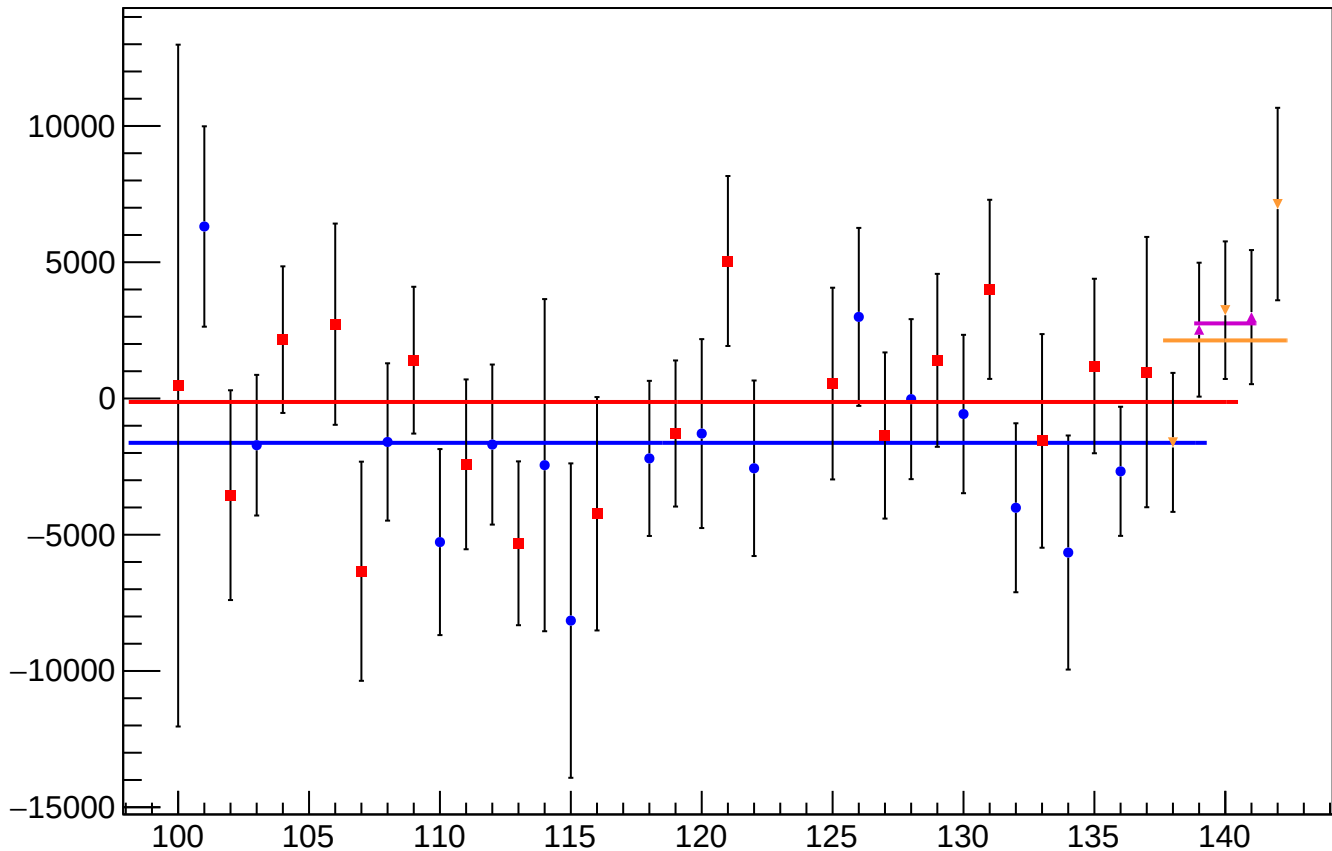
Left In: 1285.373 $\pm$ 0.699 χ^2 /NDF:62491.4/1

+ sign 1711.185 $\pm$ 0.430 χ^2 /NDF: 2576527.0/18

All: 1742.896 $\pm$ 0.312 χ^2 /NDF: 4960429.2/38

- sign 1778.440 $\pm$ 0.455 χ^2 /NDF: 2372352.0/19

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: 2130.552 $\pm$ 1599.549 χ^2 /NDF:4.4/2

Right Out: -128.099 $\pm$ 795.899 χ^2 /NDF: 14.6/17

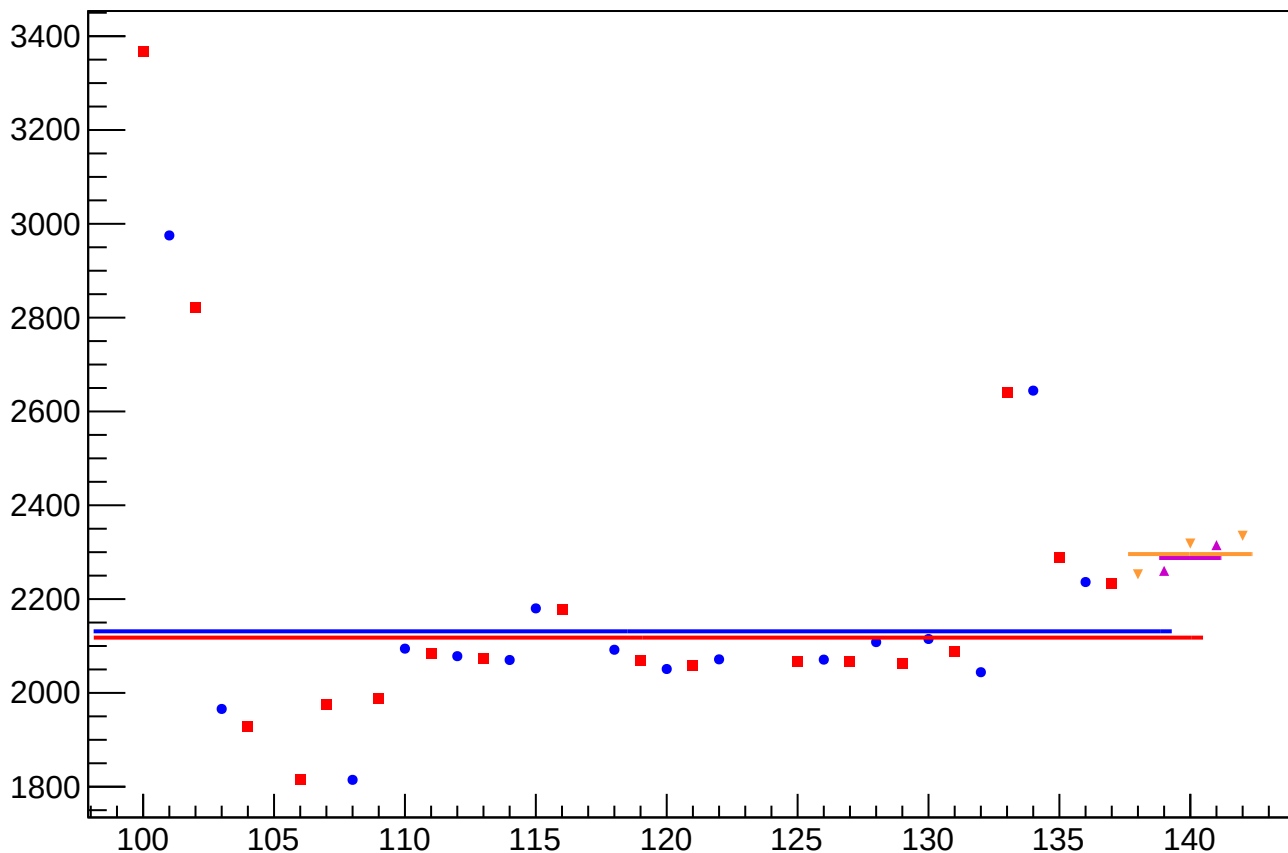
Left In: 2755.207 $\pm$ 1738.804 χ^2 /NDF:0.0/1

+ sign -878.715 $\pm$ 714.045 χ^2 /NDF: 20.1/18

All: -262.066 $\pm$ 508.282 χ^2 /NDF: 38.5/38

- sign 371.353 $\pm$ 723.690 χ^2 /NDF: 16.8/19

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: 2295.976 $\pm$ 1.131 χ^2 /NDF: 975.7/2

Right Out: 2117.868 $\pm$ 0.563 χ^2 /NDF: 163622.7/17

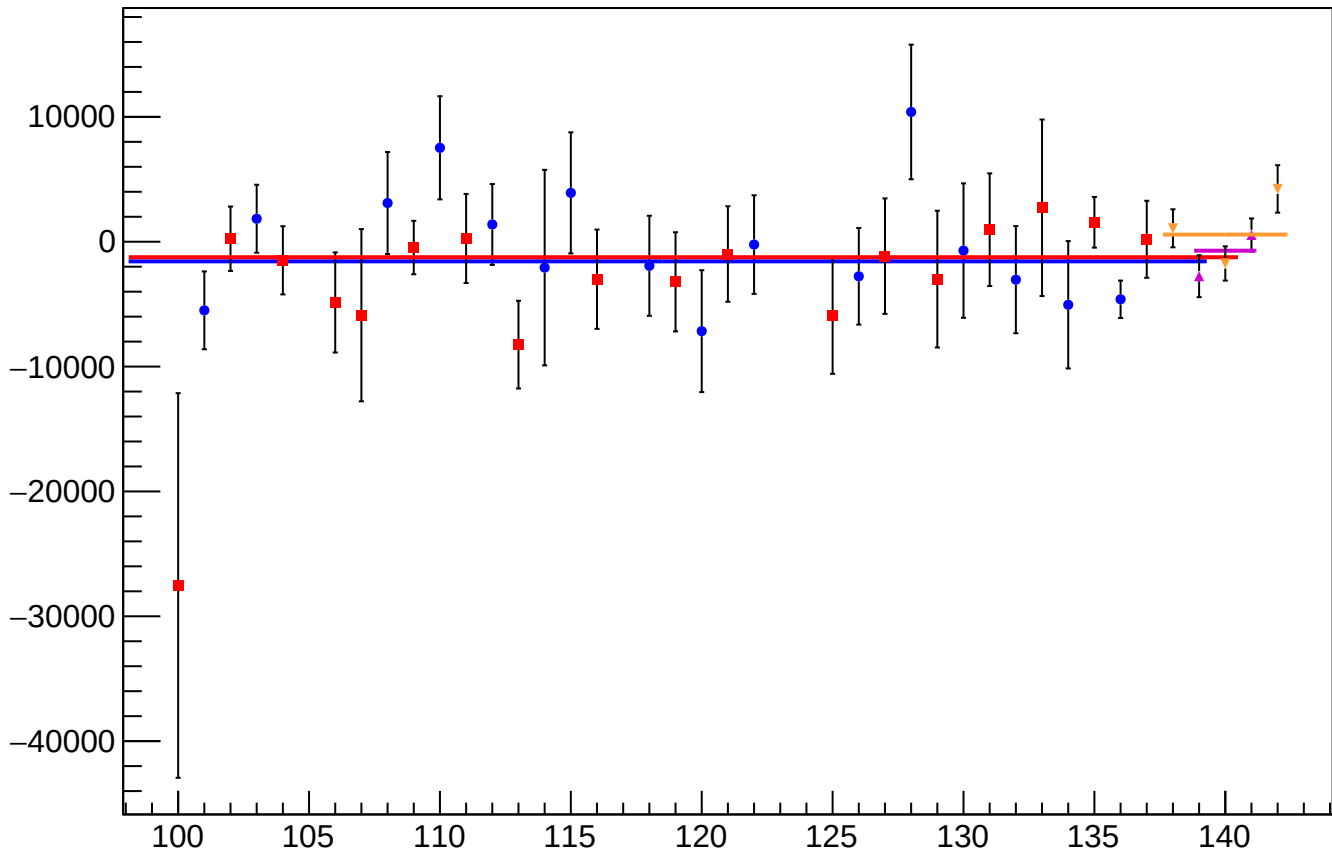
Left In: 2287.614 $\pm$ 1.230 χ^2 /NDF: 496.5/1

+ sign 2164.115 $\pm$ 0.505 χ^2 /NDF: 193893.2/18

All: 2155.806 $\pm$ 0.359 χ^2 /NDF: 374320.1/38

- sign 2147.271 $\pm$ 0.512 χ^2 /NDF: 179878.0/19

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug



Right In: -1571.073+/-859.754 χ^2/NDF : 22.6/15

Left Out: 573.023+/-898.615 χ^2/NDF : 6.7/2

Right Out: -1241.008+/-819.775 χ^2/NDF : 13.1/17

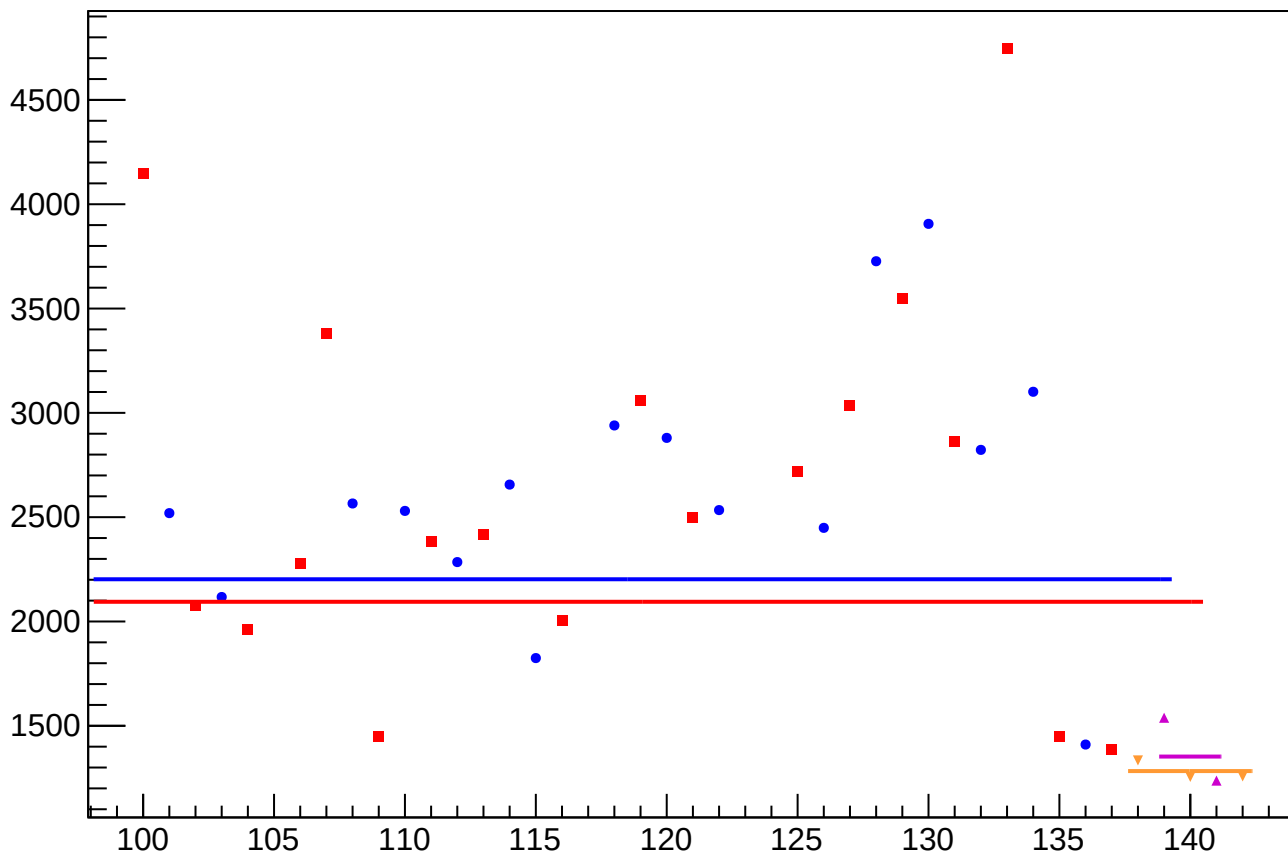
Left In: -718.593+/-1037.432 χ^2/NDF : 2.4/1

+ sign -546.389+/-621.222 χ^2/NDF : 32.2/18

All: -784.711+/-446.839 χ^2/NDF : 48.1/38

- sign -1040.196+/-643.201 χ^2/NDF : 15.6/19

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378+/-0.608 χ^2/NDF : 1222965.0/15

Left Out: 1282.996+/-0.635 χ^2/NDF : 3439.5/2

Right Out: 2094.445+/-0.580 χ^2/NDF : 1373676.8/17

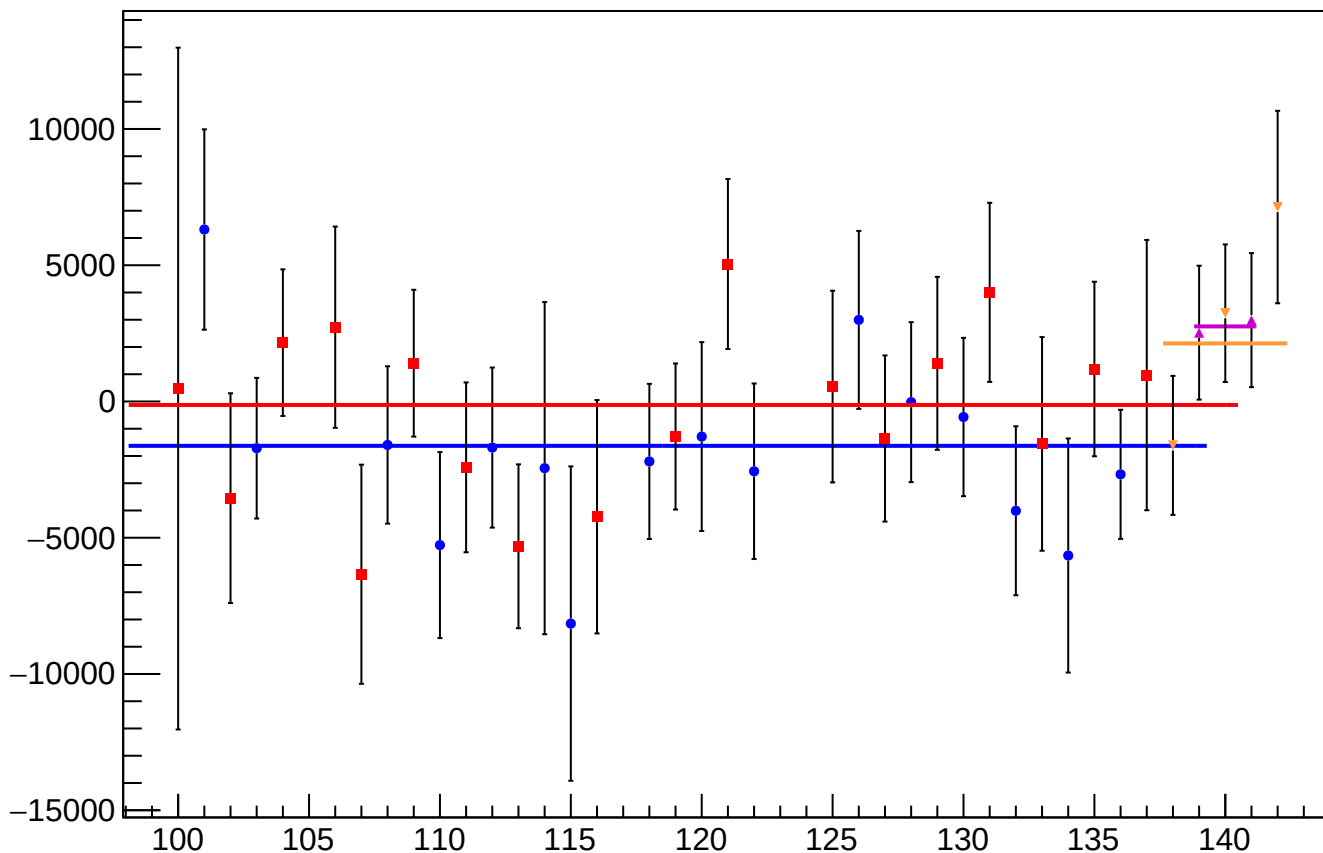
Left In: 1352.550+/-0.734 χ^2/NDF : 39851.9/1

+ sign 1762.996+/-0.439 χ^2/NDF : 2319405.7/18

All: 1785.327+/-0.316 χ^2/NDF : 4367940.4/38

- sign 1809.266+/-0.455 χ^2/NDF : 2043179.9/19

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1627.637 $\pm$ 797.966 χ^2 /NDF: 11.3/15

Left Out: 2130.562 $\pm$ 1599.549 χ^2 /NDF:4.4/2

Right Out: -128.093 $\pm$ 795.899 χ^2 /NDF: 14.6/17

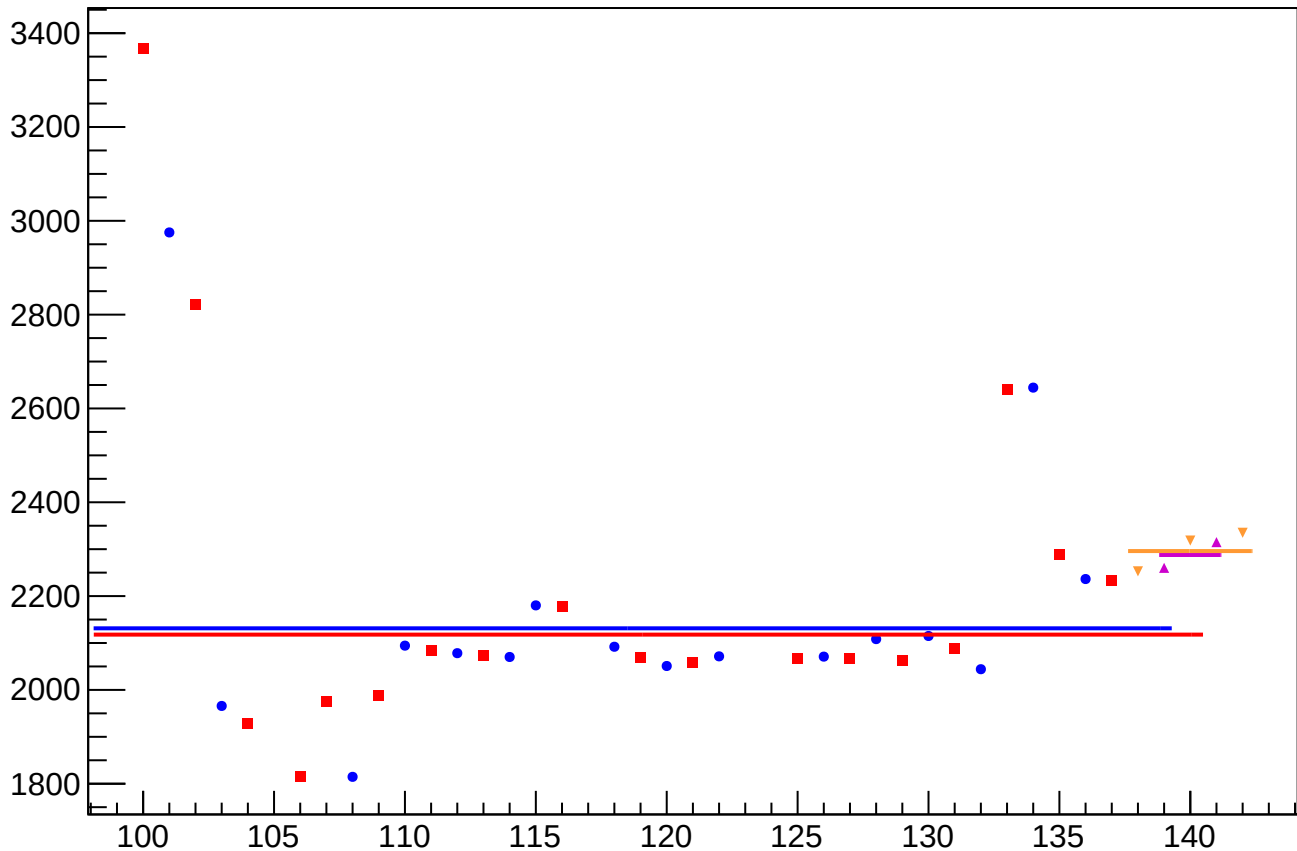
Left In: 2755.184 $\pm$ 1738.805 χ^2 /NDF:0.0/1

+ sign -878.715 $\pm$ 714.045 χ^2 /NDF: 20.1/18

All: -262.065 $\pm$ 508.282 χ^2 /NDF: 38.5/38

- sign 371.354 $\pm$ 723.690 χ^2 /NDF: 16.8/19

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: 2295.976 $\pm$ 1.131 χ^2 /NDF: 975.7/2

Right Out: 2117.868 $\pm$ 0.563 χ^2 /NDF: 163622.6/17

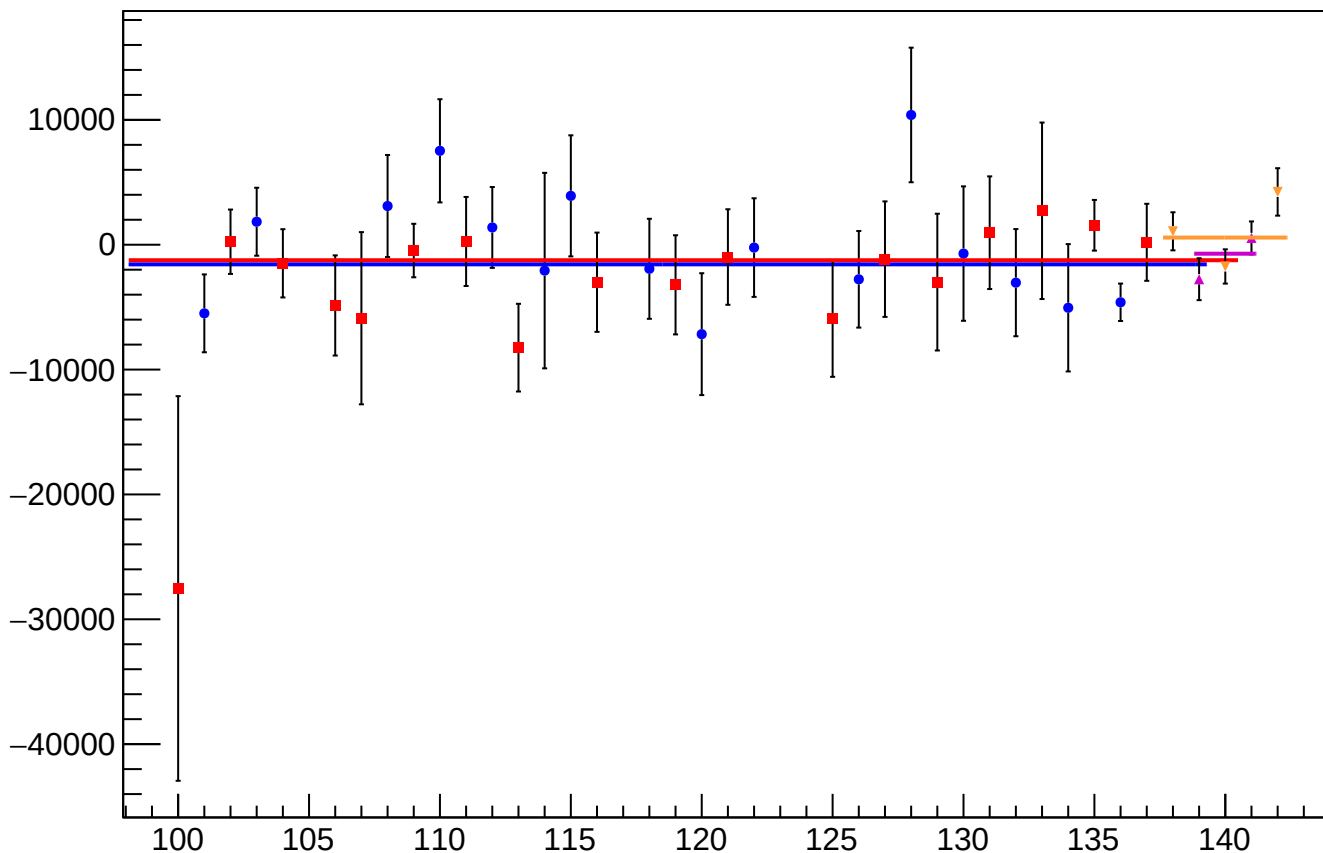
Left In: 2287.614 $\pm$ 1.230 χ^2 /NDF: 496.5/1

+ sign 2164.115 $\pm$ 0.505 χ^2 /NDF: 193893.2/18

All: 2155.806 $\pm$ 0.359 χ^2 /NDF: 374320.1/38

- sign 2147.271 $\pm$ 0.512 χ^2 /NDF: 179877.9/19

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -1571.058 $\pm$ 859.757 χ^2 /NDF: 22.6/15

Left Out: 573.030 $\pm$ 898.624 χ^2 /NDF:6.7/2

Right Out: -1241.023 $\pm$ 819.778 χ^2 /NDF: 13.1/17

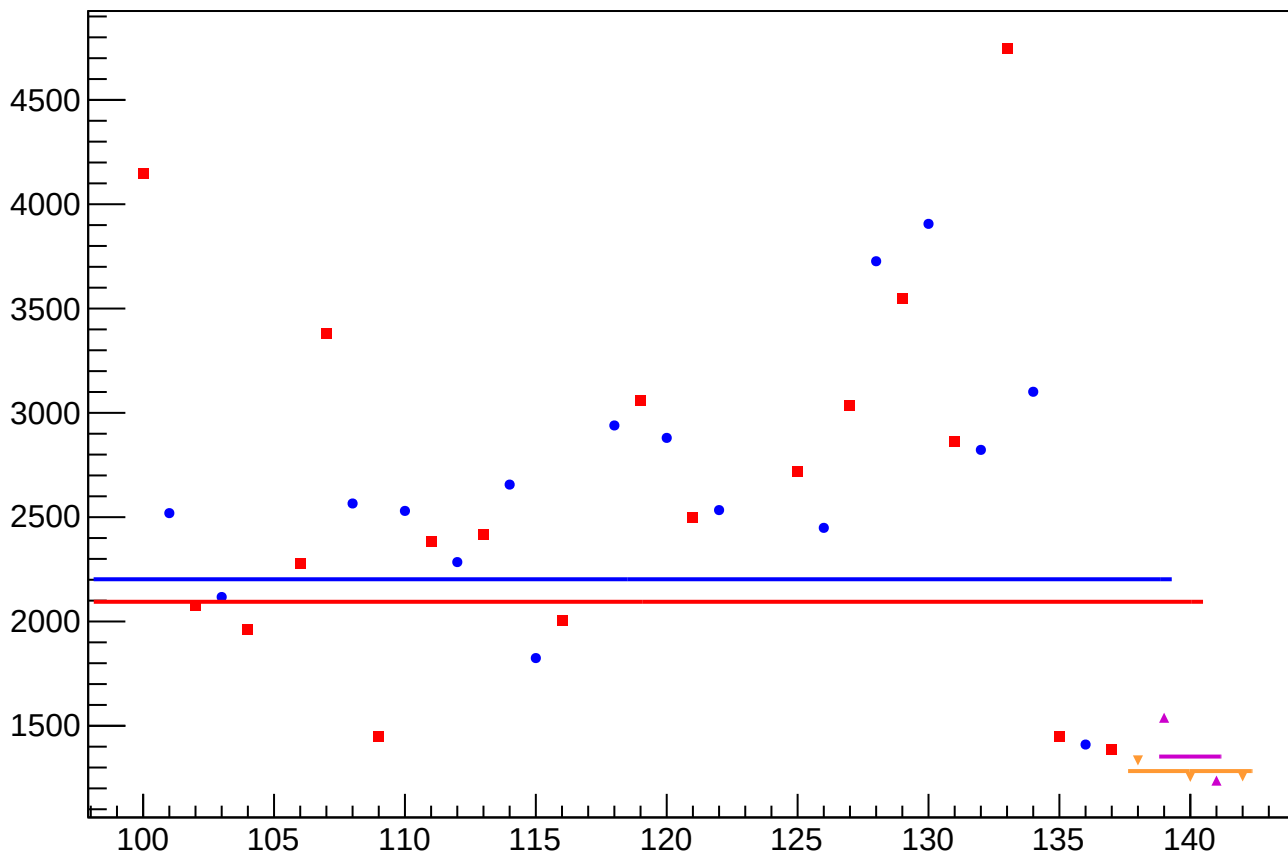
Left In: -718.585 $\pm$ 1037.442 χ^2 /NDF:2.4/1

+ sign -546.384 $\pm$ 621.226 χ^2 /NDF: 32.2/18

All: -784.712 $\pm$ 446.841 χ^2 /NDF: 48.1/38

- sign -1040.203 $\pm$ 643.205 χ^2 /NDF: 15.6/19

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: 1283.007+/-0.635 χ^2/NDF : 3441.7/2

Right Out: 2094.457+/-0.580 χ^2/NDF : 1373629.6/17

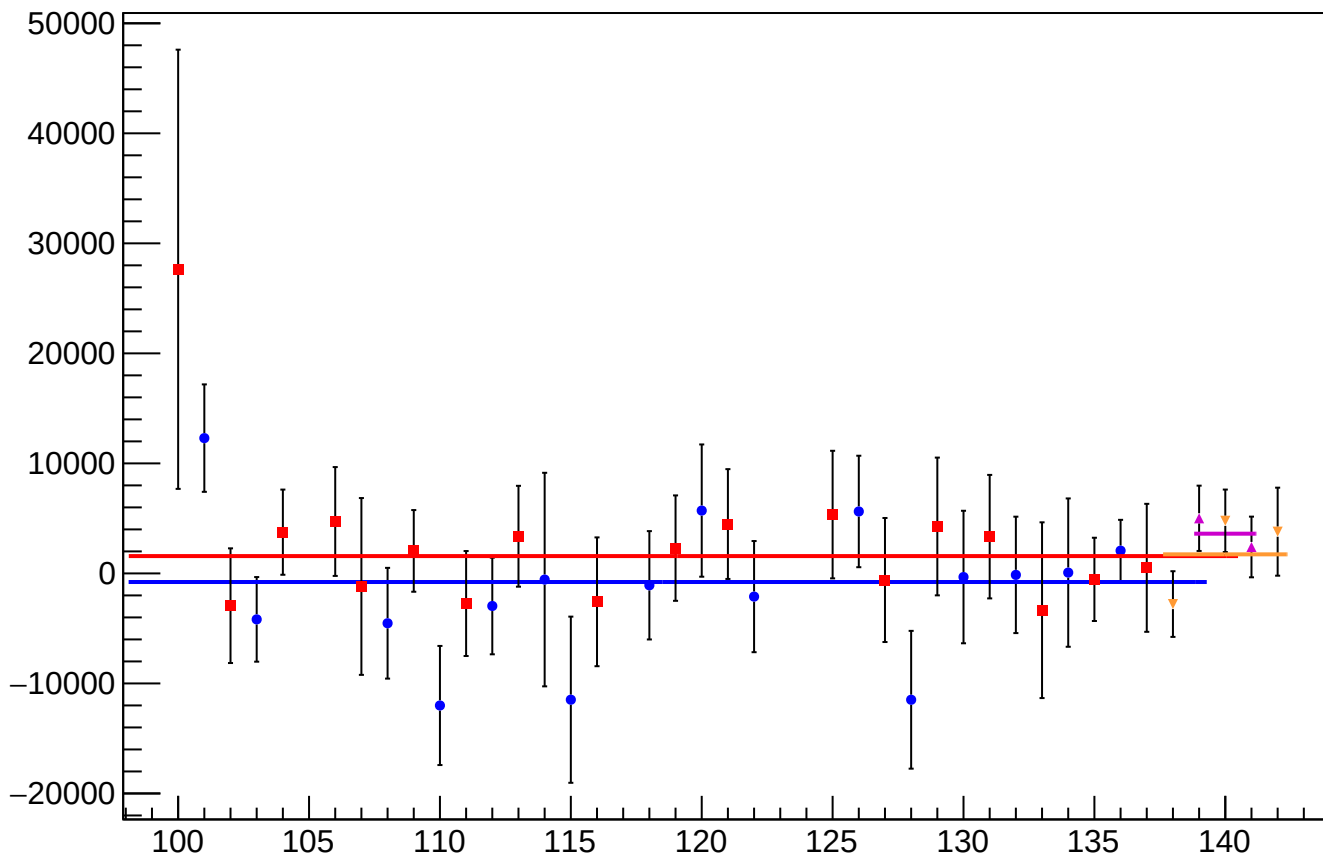
Left In: 1352.562+/-0.734 χ^2/NDF : 39857.5/1

+ sign 1763.011+/-0.439 χ^2/NDF : 2319335.3/18

All: 1785.342+/-0.316 χ^2/NDF : 4367819.1/38

- sign 1809.281+/-0.455 χ^2/NDF : 2043129.3/19

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619 ± 1241.711 χ^2/NDF : 21.9/15

Left Out: 1732.430 ± 1829.324 χ^2/NDF : 3.7/2

Right Out: 1574.673 ± 1218.961 χ^2/NDF : 6.7/17

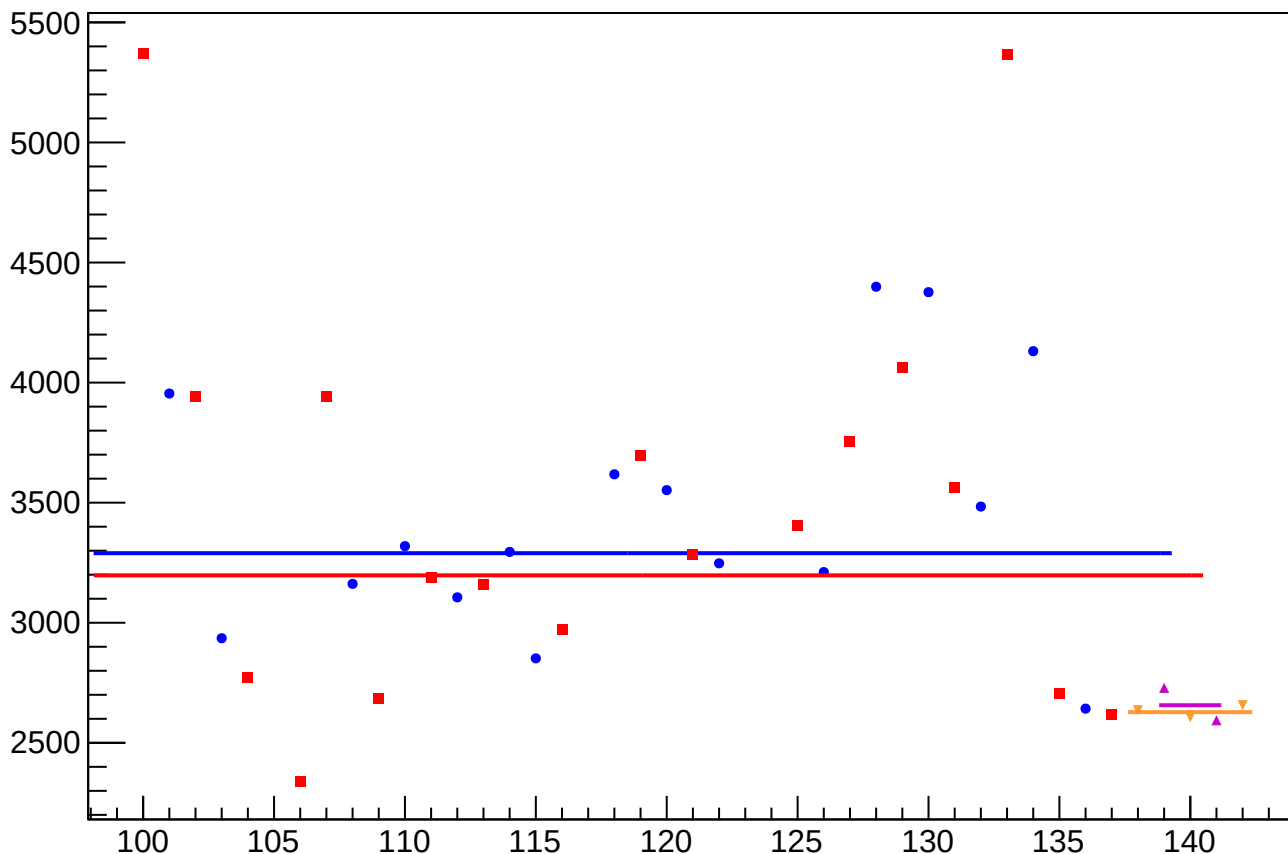
Left In: 3610.260 ± 2020.089 χ^2/NDF : 0.4/1

+ sign 11.356 ± 1027.386 χ^2/NDF : 26.9/18

All: 1048.122 ± 732.162 χ^2/NDF : 36.9/38

- sign 2118.020 ± 1043.673 χ^2/NDF : 7.9/19

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF : 347594.0/15

Left Out: 2627.862+/-1.294 χ^2/NDF : 231.2/2

Right Out: 3197.375+/-0.862 χ^2/NDF : 499934.1/17

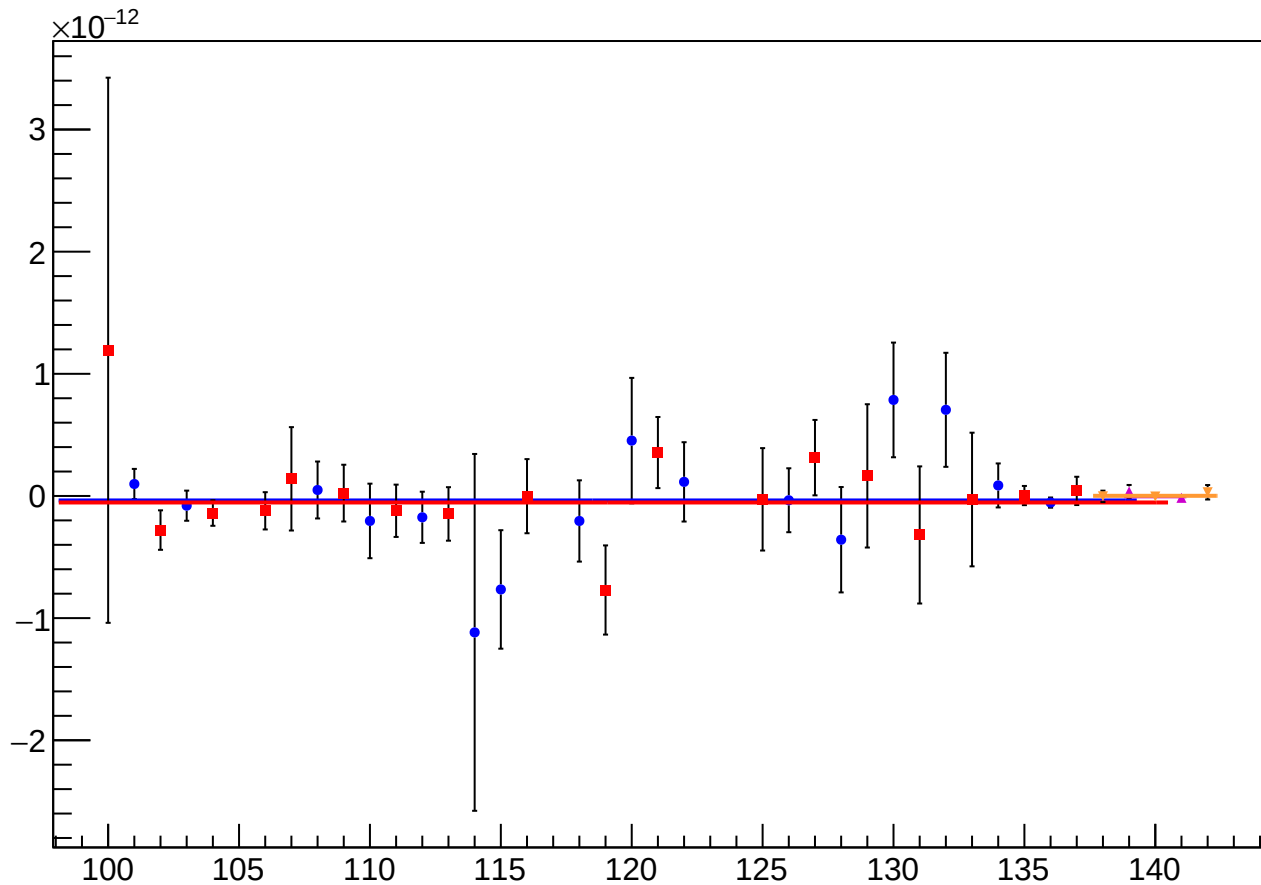
Left In: 2656.549+/-1.428 χ^2/NDF : 2214.0/1

+ sign 3080.938+/-0.726 χ^2/NDF : 527036.3/18

All: 3067.198+/-0.518 χ^2/NDF : 1135000.3/38

- sign 3053.019+/-0.738 χ^2/NDF : 607237.2/19

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

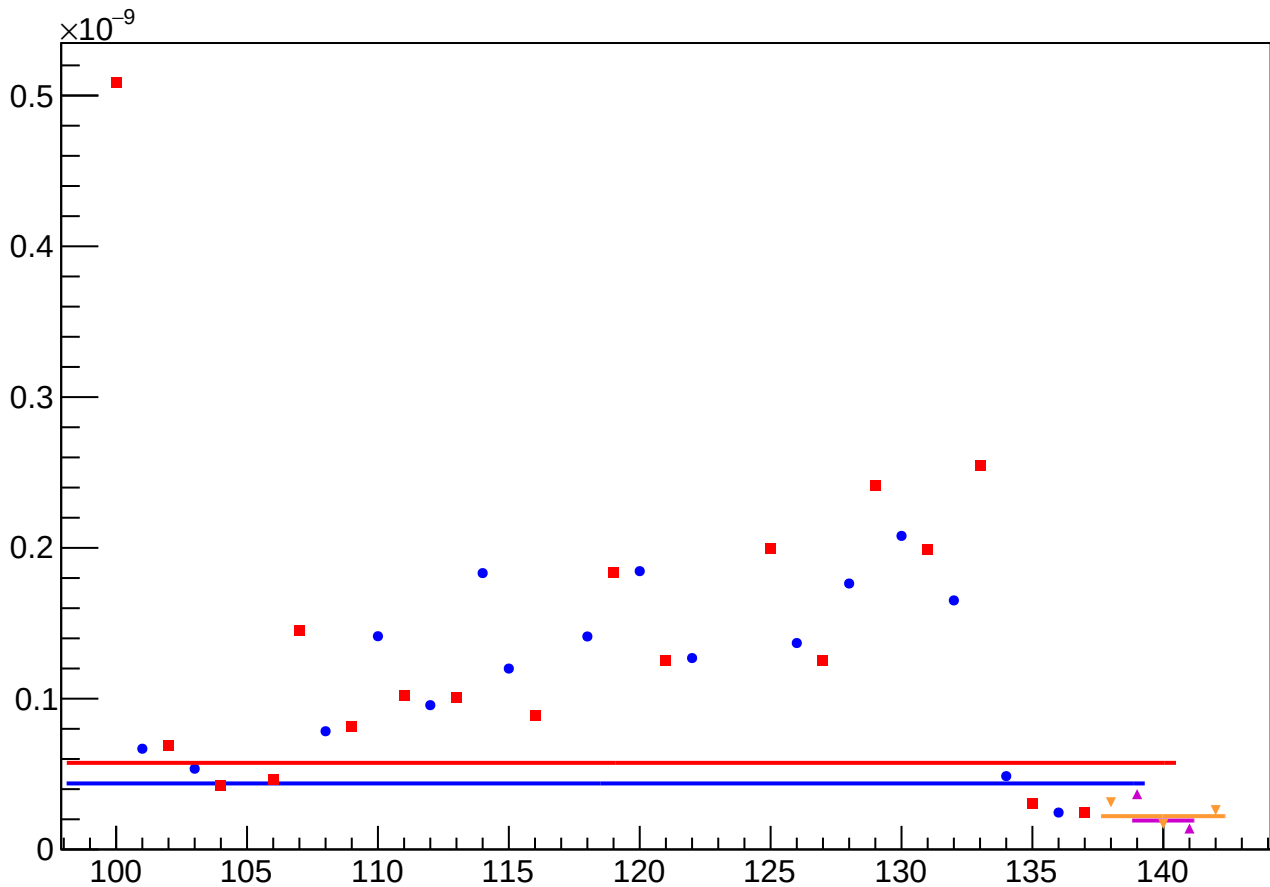
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.6/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/19

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 : 141859.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2086696.1/17

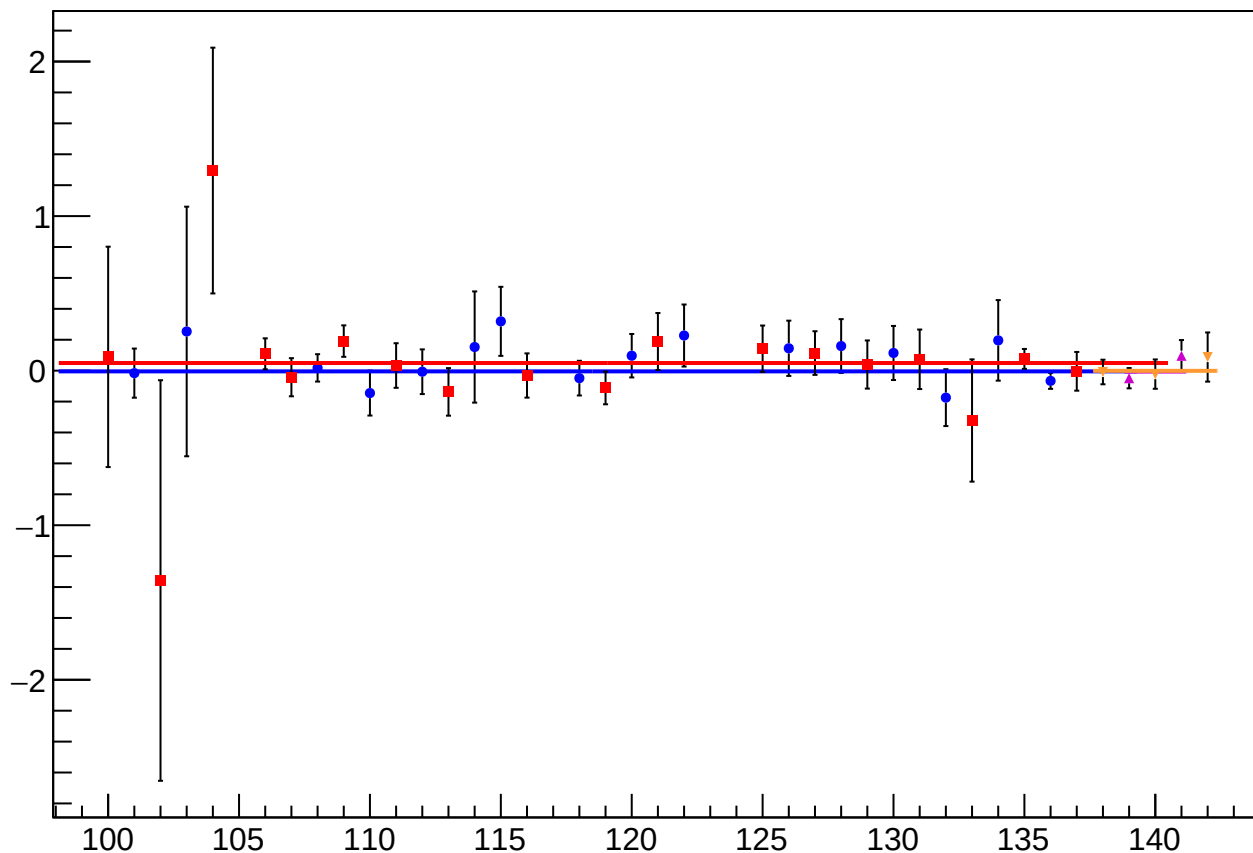
Left In: 0.000+/-0.000 χ^2/NDF : 284228.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 2908332.6/18

All: 0.000+/-0.000 χ^2/NDF : 6436484.5/38

- sign 0.000+/-0.000 χ^2/NDF : 3528119.5/19

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: -0.001 ± 0.057 χ^2/NDF : 0.4/2

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

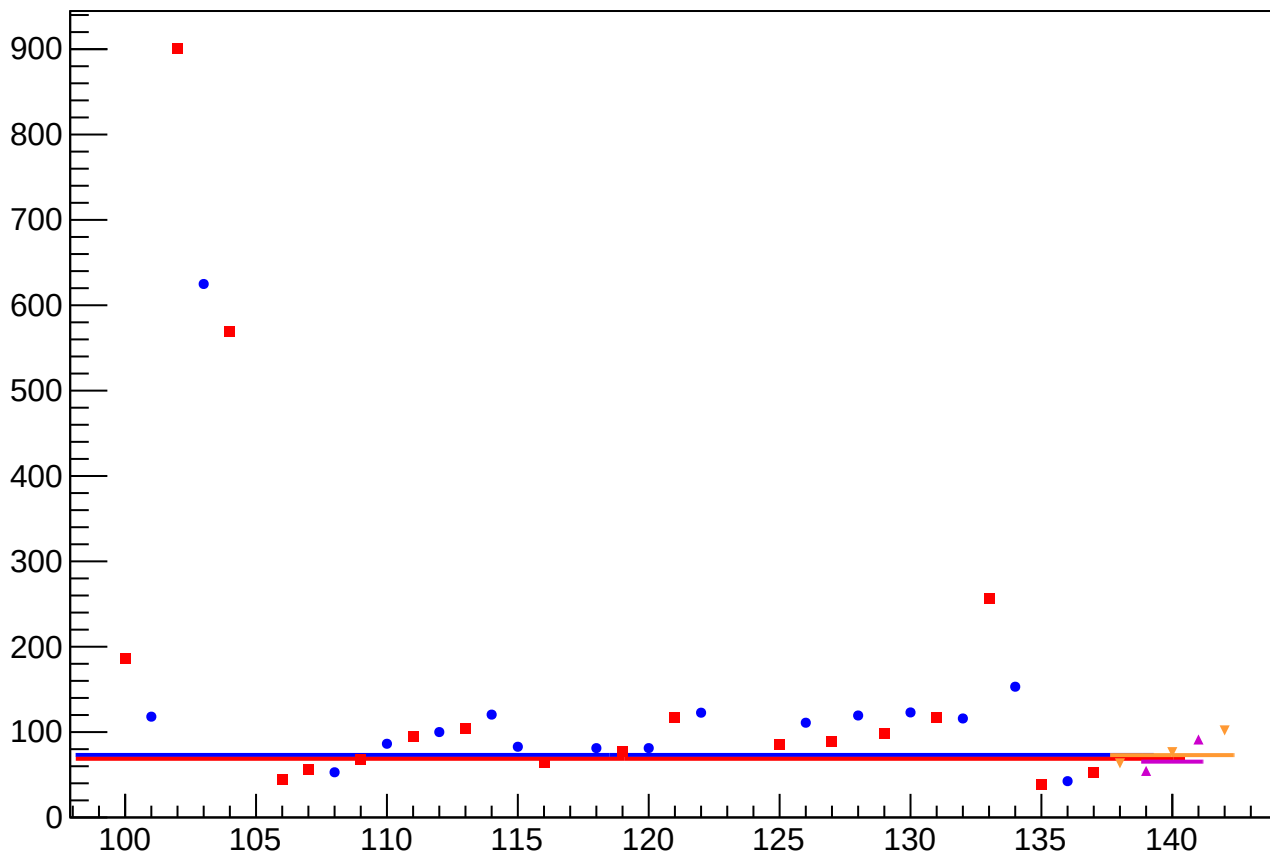
Left In: -0.006 ± 0.055 χ^2/NDF : 1.4/1

+ sign -0.004 ± 0.028 χ^2/NDF : 10.7/18

All: 0.016 ± 0.020 χ^2/NDF : 26.9/38

- sign 0.036 ± 0.027 χ^2/NDF : 15.2/19

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 73.234 $\pm$ 0.023 χ^2 /NDF: 2854601.2/15

Left Out: 73.032 $\pm$ 0.040 χ^2 /NDF: 98255.4/2

Right Out: 68.724 $\pm$ 0.022 χ^2 /NDF: 3331744.2/17

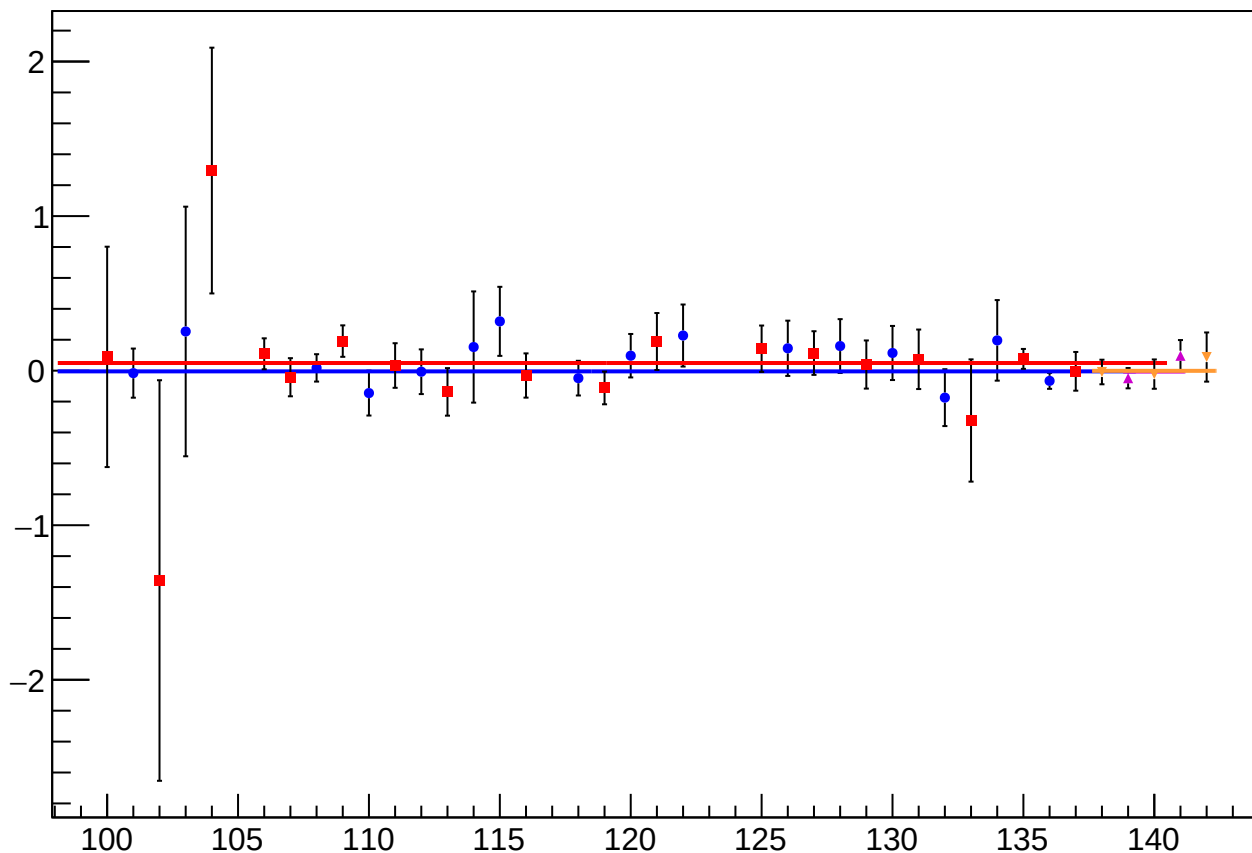
Left In: 65.372 $\pm$ 0.039 χ^2 /NDF: 185222.5/1

+ sign 73.185 $\pm$ 0.020 χ^2 /NDF: 2952875.8/18

All: 70.484 $\pm$ 0.014 χ^2 /NDF: 6511755.8/38

- sign 67.894 $\pm$ 0.019 χ^2 /NDF: 3522521.8/19

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: -0.001 ± 0.057 χ^2/NDF : 0.4/2

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

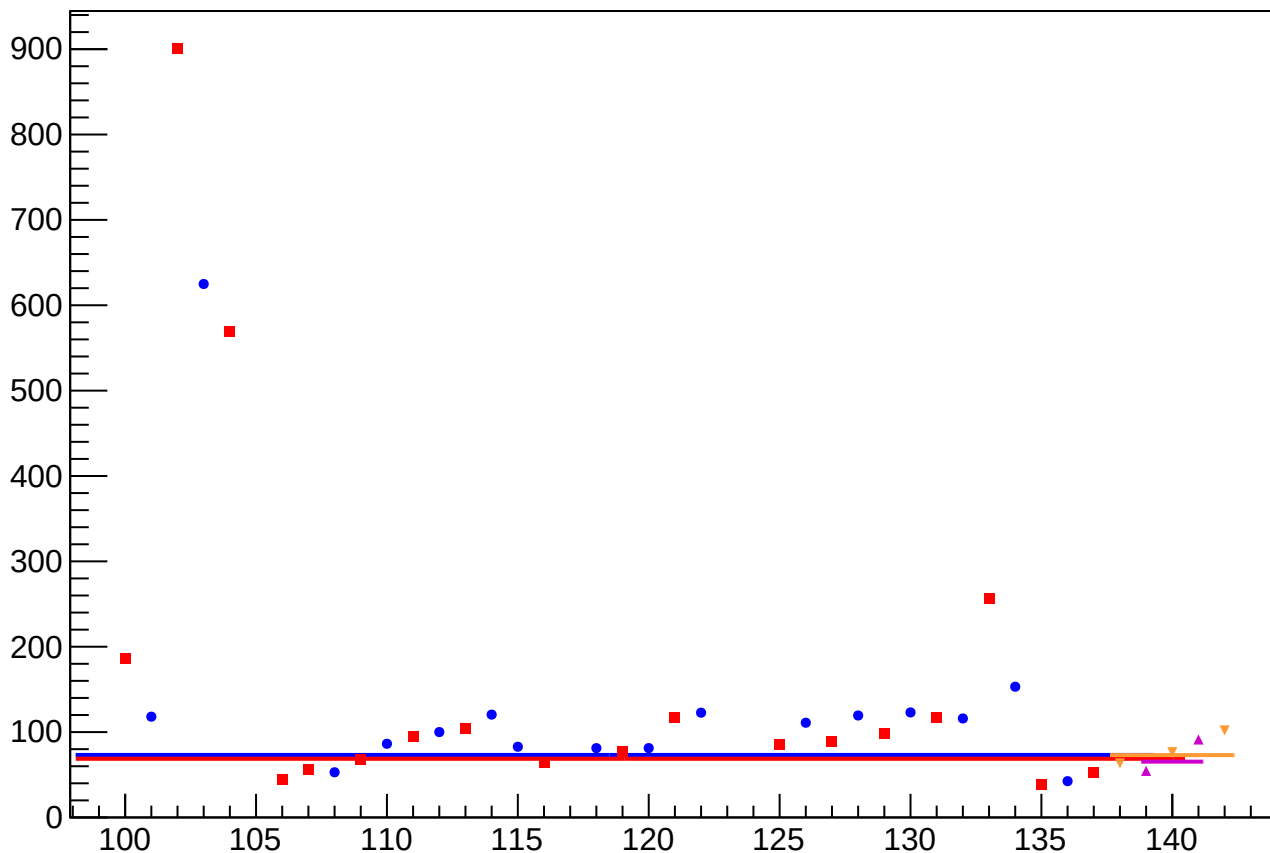
Left In: -0.006 ± 0.055 χ^2/NDF : 1.4/1

+ sign -0.004 ± 0.028 χ^2/NDF : 10.7/18

All: 0.016 ± 0.020 χ^2/NDF : 26.9/38

- sign 0.036 ± 0.027 χ^2/NDF : 15.2/19

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.234 $\pm$ 0.023 χ^2 /NDF: 2854601.2/15

Left Out: 73.032 $\pm$ 0.040 χ^2 /NDF: 98255.4/2

Right Out: 68.724 $\pm$ 0.022 χ^2 /NDF: 3331744.2/17

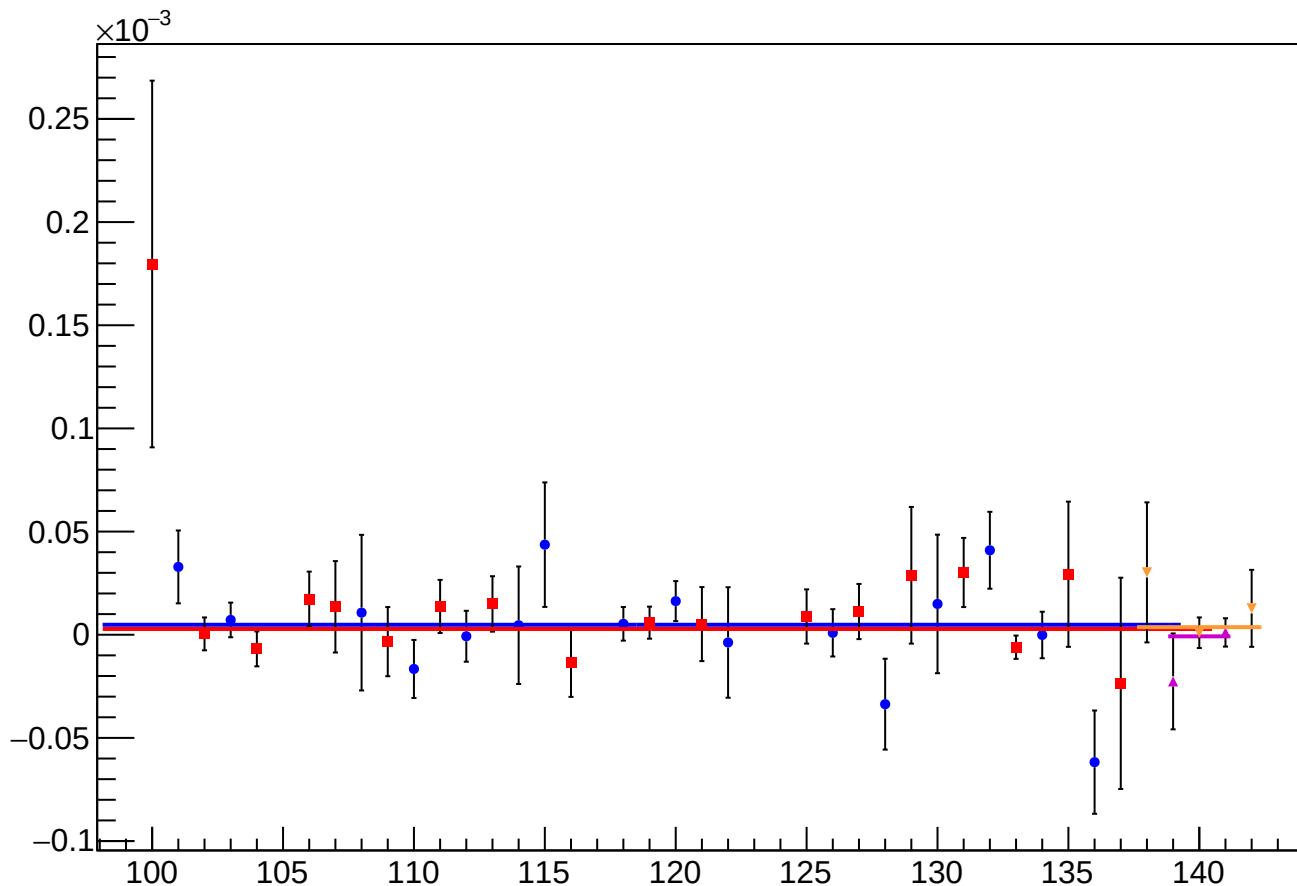
Left In: 65.372 $\pm$ 0.039 χ^2 /NDF: 185222.5/1

+ sign 73.185 $\pm$ 0.020 χ^2 /NDF: 2952875.8/18

All: 70.484 $\pm$ 0.014 χ^2 /NDF: 6511755.8/38

- sign 67.894 $\pm$ 0.019 χ^2 /NDF: 3522521.8/19

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: 1.0/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/17

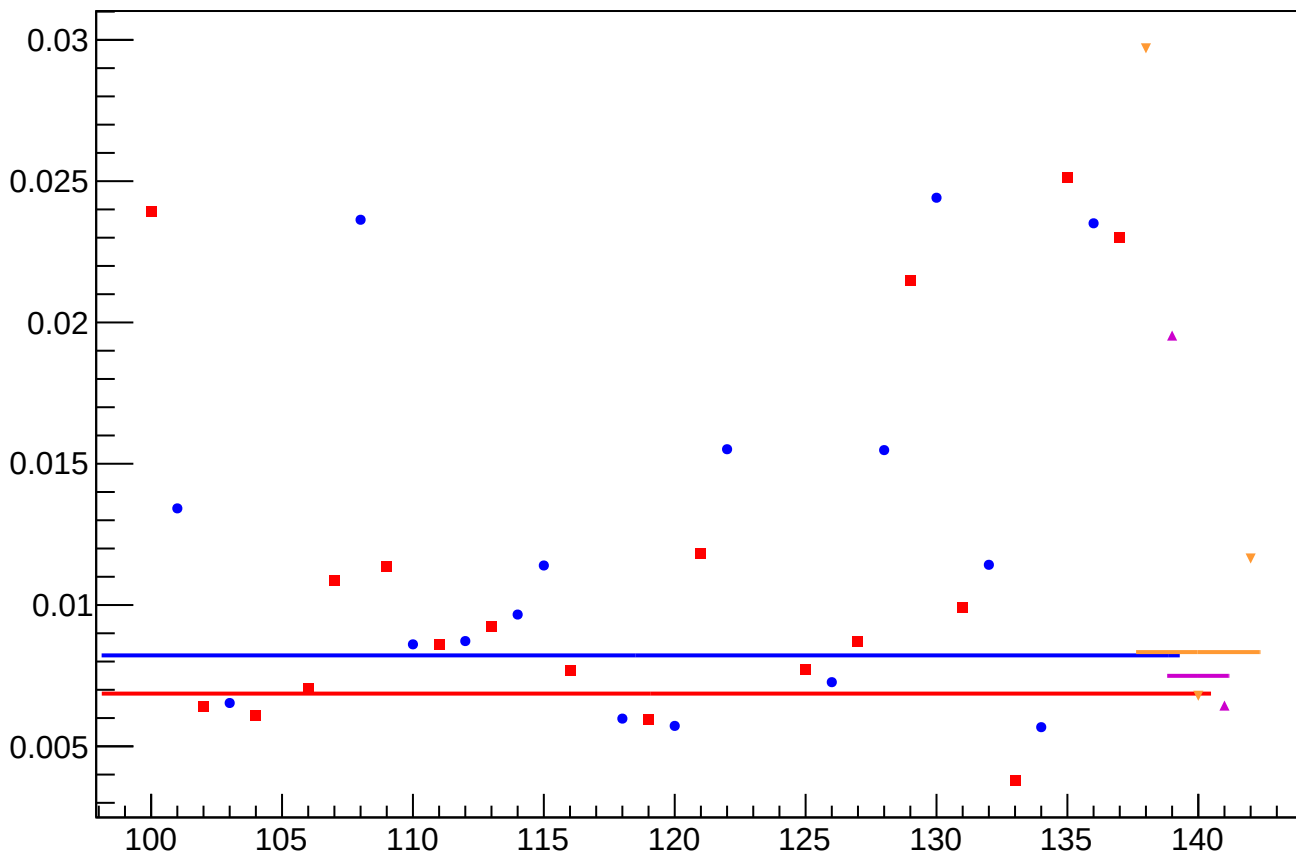
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.9/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/19

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: 0.008+/-0.000 χ^2/NDF : 942813.1/2

Right Out: 0.007+/-0.000 χ^2/NDF : 2426444.0/17

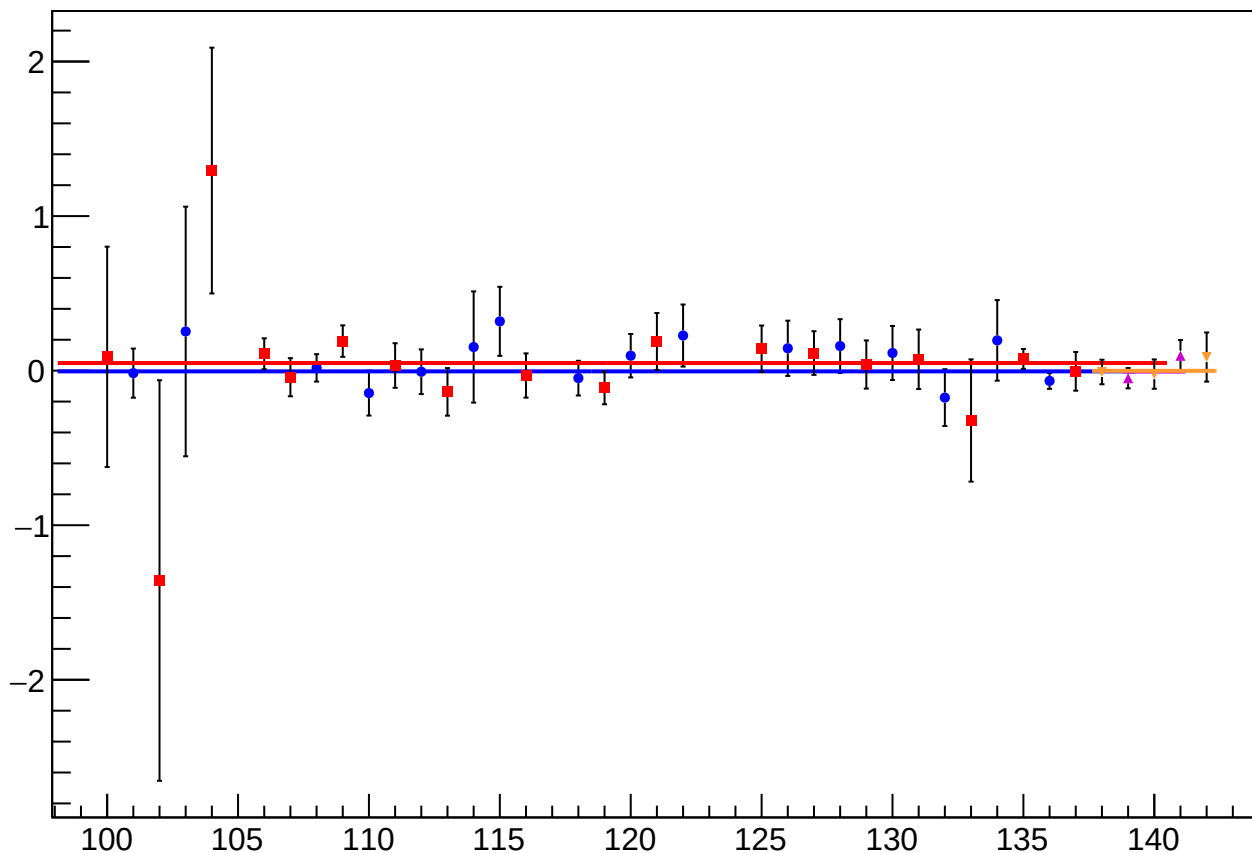
Left In: 0.007+/-0.000 χ^2/NDF : 583996.4/1

+ sign 0.008+/-0.000 χ^2/NDF : 3599454.7/18

All: 0.007+/-0.000 χ^2/NDF : 6824592.6/38

- sign 0.007+/-0.000 χ^2/NDF : 3025815.0/19

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: -0.001 ± 0.057 χ^2/NDF : 0.4/2

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

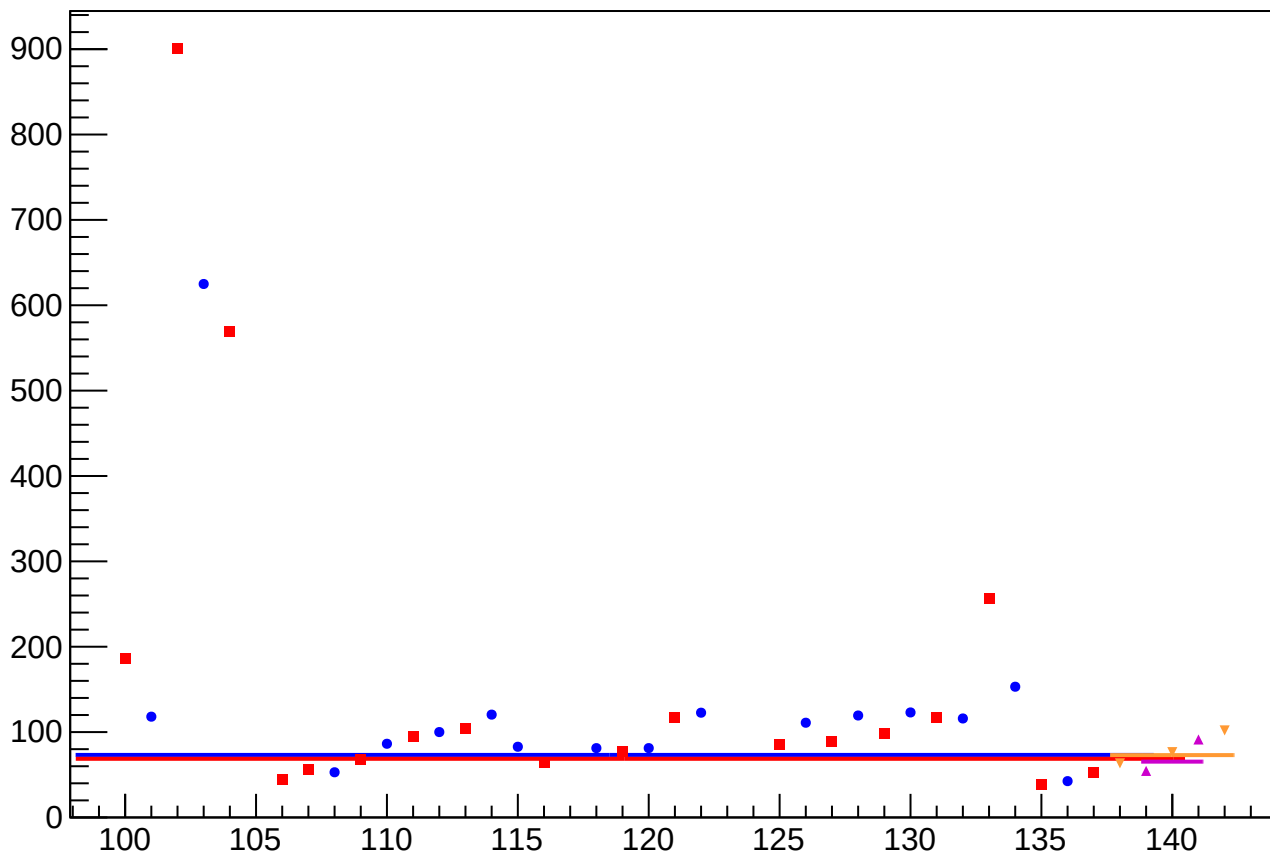
Left In: -0.006 ± 0.055 χ^2/NDF : 1.4/1

+ sign -0.004 ± 0.028 χ^2/NDF : 10.7/18

All: 0.016 ± 0.020 χ^2/NDF : 26.9/38

- sign 0.036 ± 0.027 χ^2/NDF : 15.2/19

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: 73.042 $\pm$ 0.040 χ^2 /NDF: 98224.9/2

Right Out: 68.713 $\pm$ 0.022 χ^2 /NDF: 3332744.7/17

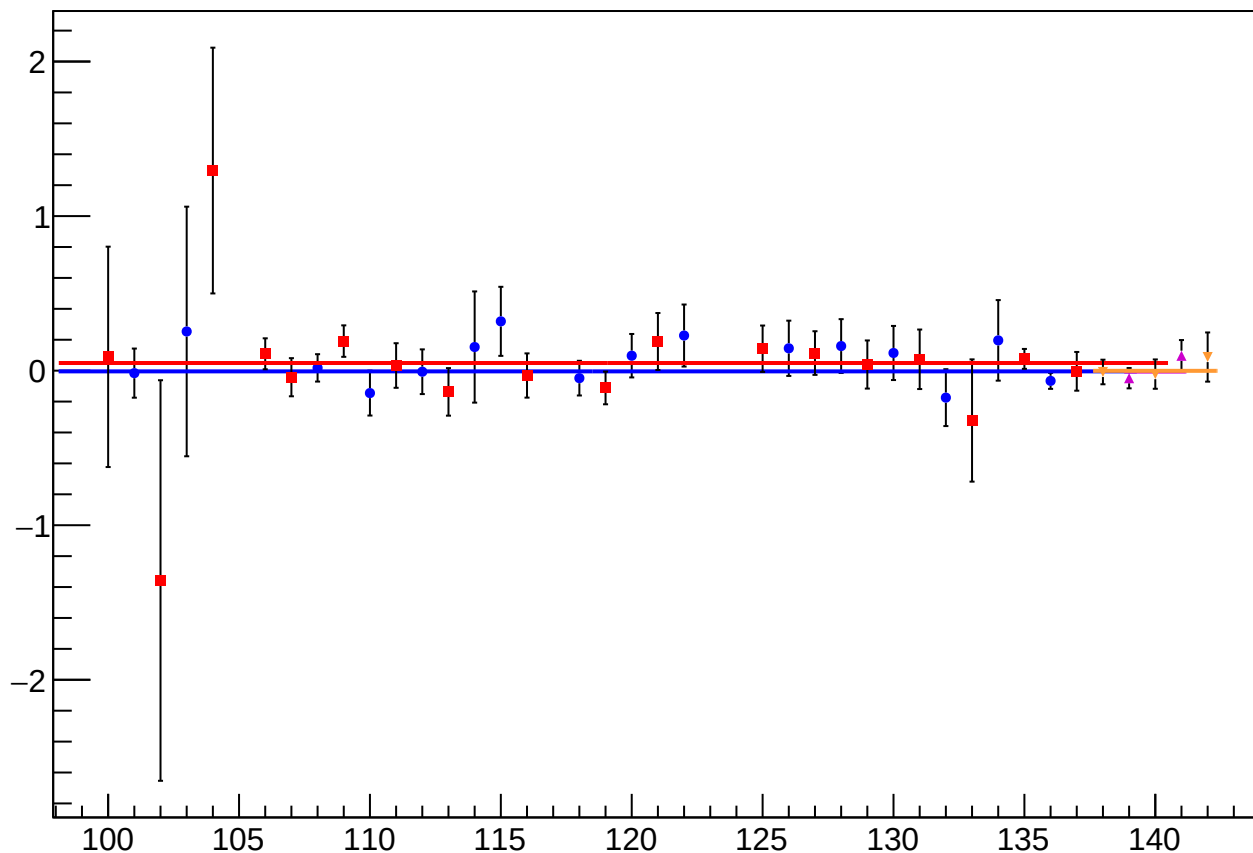
Left In: 65.385 $\pm$ 0.039 χ^2 /NDF: 185097.6/1

+ sign 73.207 $\pm$ 0.020 χ^2 /NDF: 2950553.8/18

All: 70.491 $\pm$ 0.014 χ^2 /NDF: 6510587.8/38

- sign 67.889 $\pm$ 0.019 χ^2 /NDF: 3523317.7/19

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: -0.001 ± 0.057 χ^2/NDF : 0.4/2

Right Out: 0.050 ± 0.032 χ^2/NDF : 13.0/17

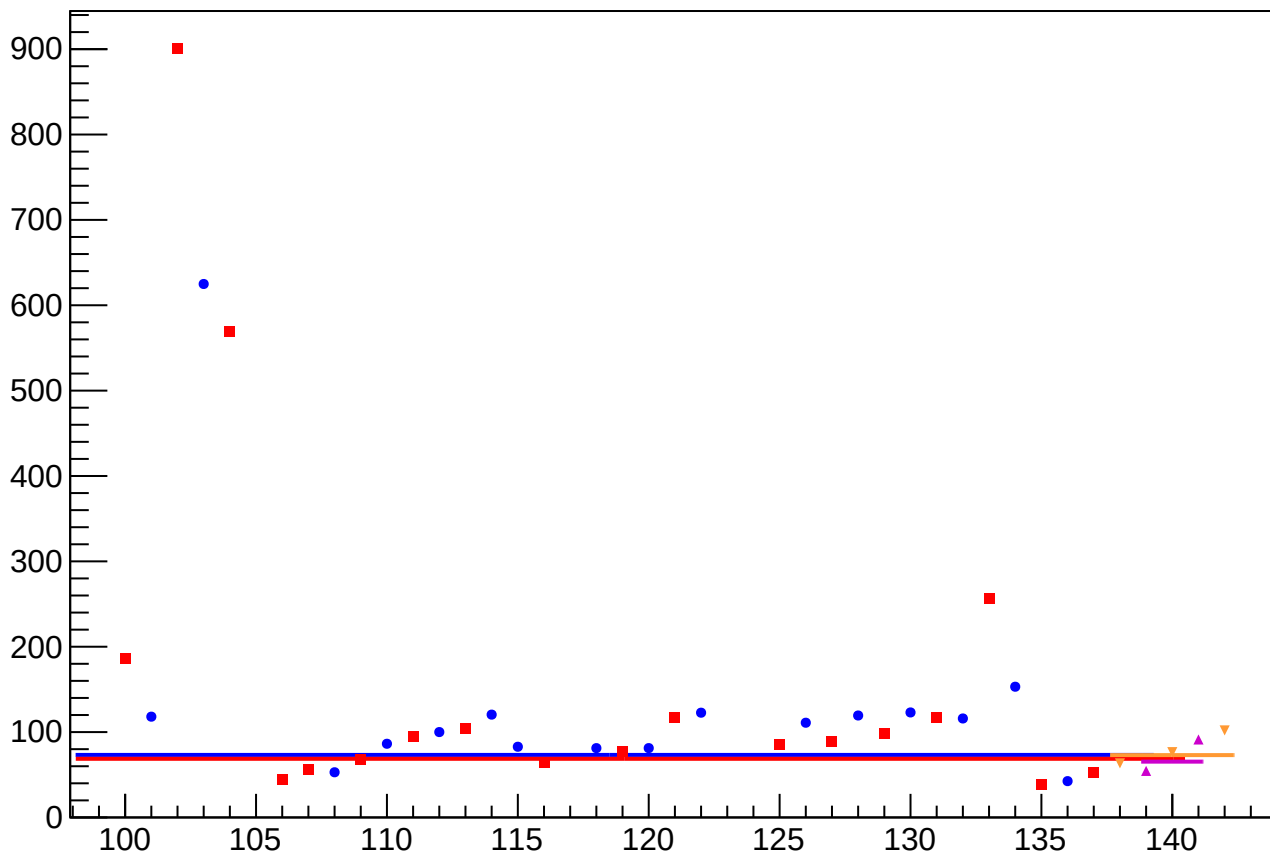
Left In: -0.006 ± 0.055 χ^2/NDF : 1.4/1

+ sign -0.004 ± 0.028 χ^2/NDF : 10.7/18

All: 0.016 ± 0.020 χ^2/NDF : 26.9/38

- sign 0.036 ± 0.027 χ^2/NDF : 15.2/19

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: 73.042 $\pm$ 0.040 χ^2 /NDF: 98224.9/2

Right Out: 68.713 $\pm$ 0.022 χ^2 /NDF: 3332744.7/17

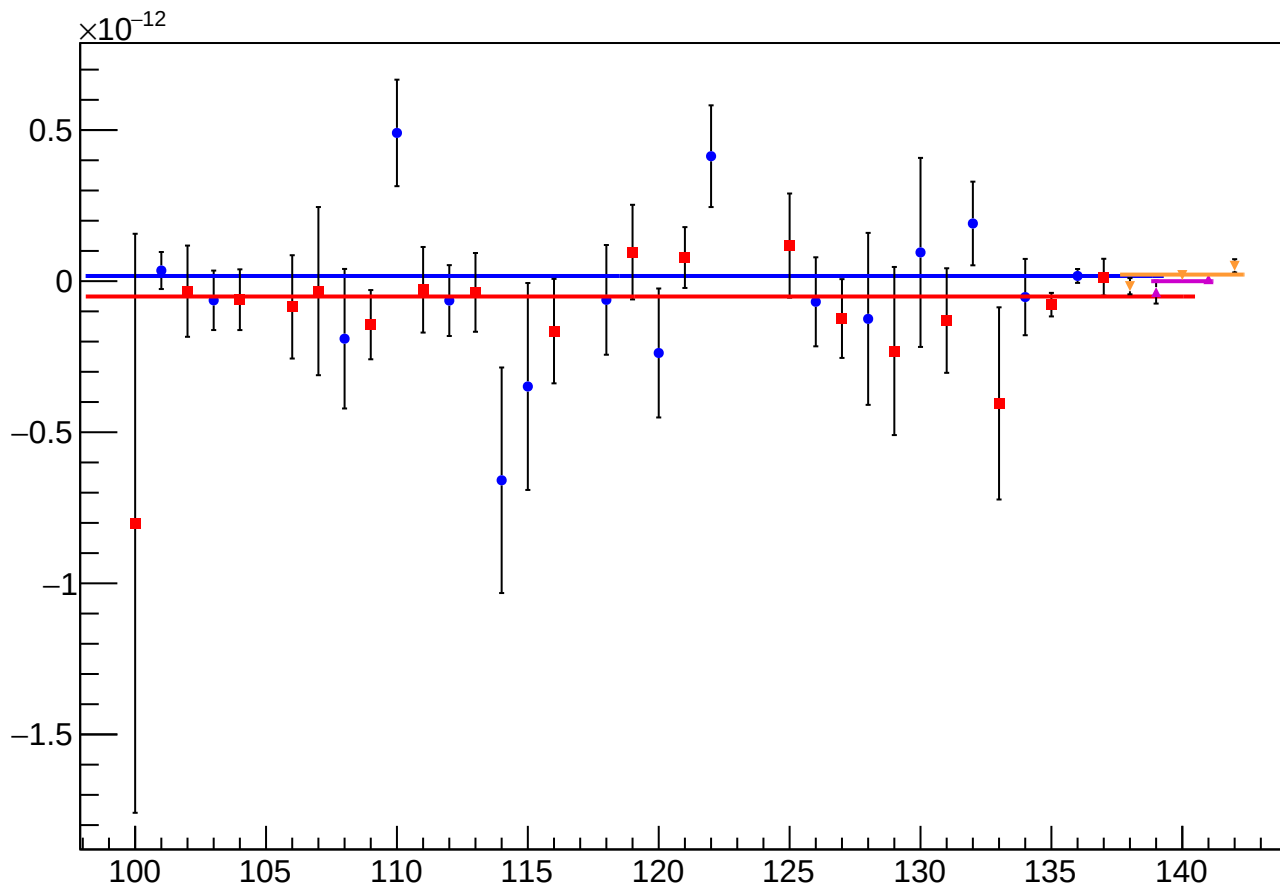
Left In: 65.385 $\pm$ 0.039 χ^2 /NDF: 185097.6/1

+ sign 73.207 $\pm$ 0.020 χ^2 /NDF: 2950553.8/18

All: 70.491 $\pm$ 0.014 χ^2 /NDF: 6510587.8/38

- sign 67.889 $\pm$ 0.019 χ^2 /NDF: 3523317.7/19

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: 3.8/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.1/17

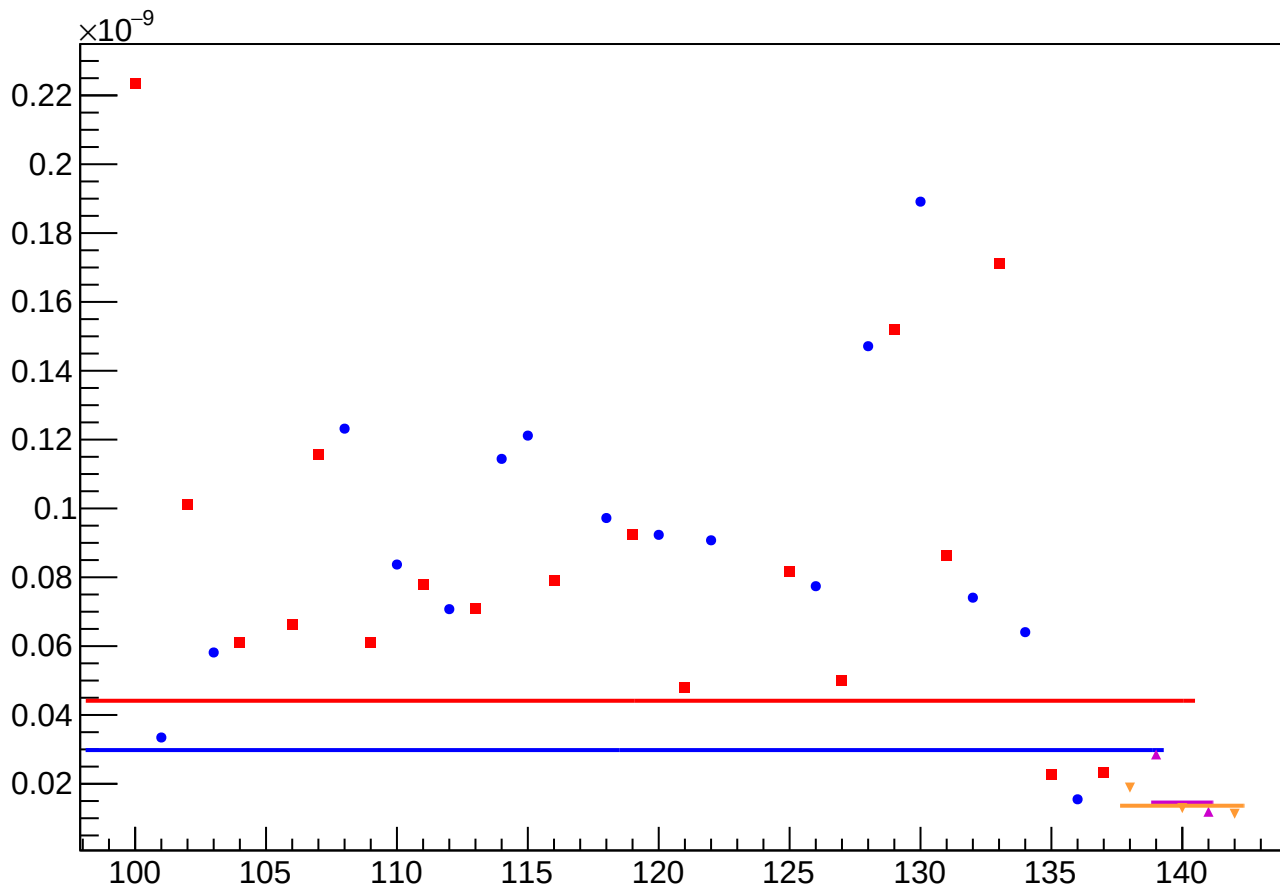
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.8/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 13.2/19

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 :103154.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2779318.5/17

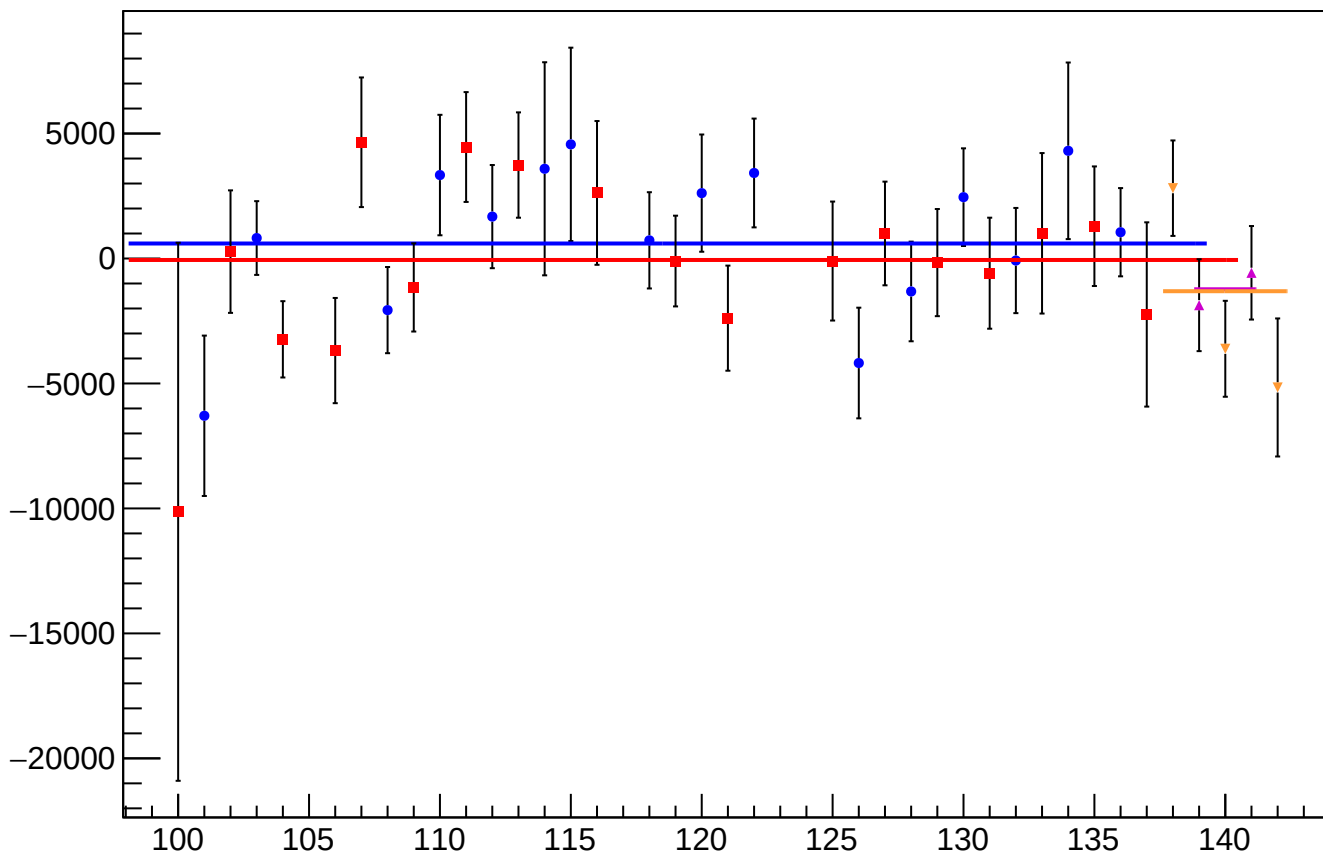
Left In: 0.000+/-0.000 χ^2/NDF :322762.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 5196549.5/18

All: 0.000+/-0.000 χ^2/NDF : 10519625.8/38

- sign 0.000+/-0.000 χ^2/NDF : 5168468.1/19

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: -1308.671 $\pm$ 1215.536 χ^2 /NDF:8.0/2

Right Out: -59.091 $\pm$ 530.206 χ^2 /NDF: 22.5/17

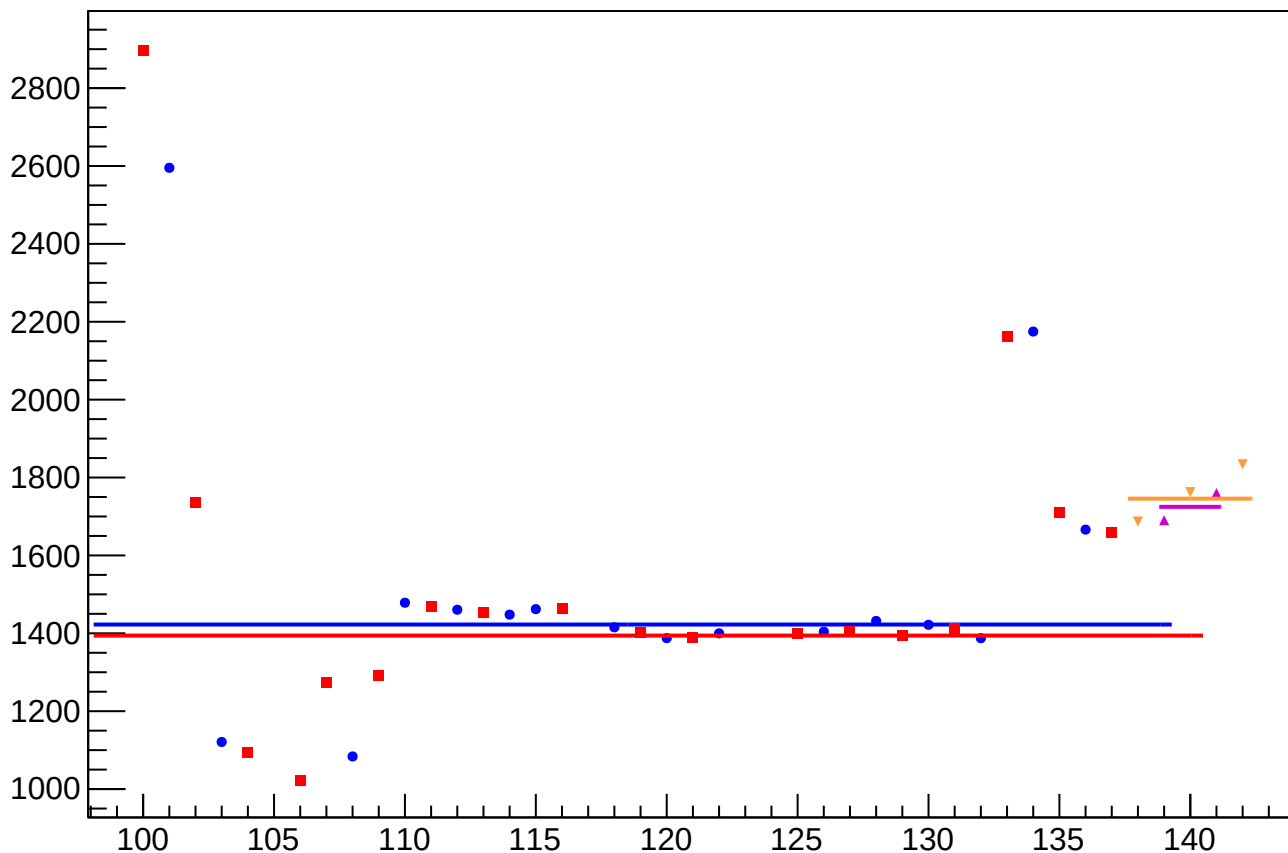
Left In: -1231.079 $\pm$ 1311.336 χ^2 /NDF:0.2/1

+ sign 285.470 $\pm$ 493.535 χ^2 /NDF: 30.4/18

All: 29.825 $\pm$ 348.277 χ^2 /NDF: 54.4/38

- sign -223.765 $\pm$ 491.547 χ^2 /NDF: 23.5/19

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: 1745.740 $\pm$ 0.860 χ^2 /NDF: 4094.1/2

Right Out: 1394.171 $\pm$ 0.375 χ^2 /NDF: 393666.0/17

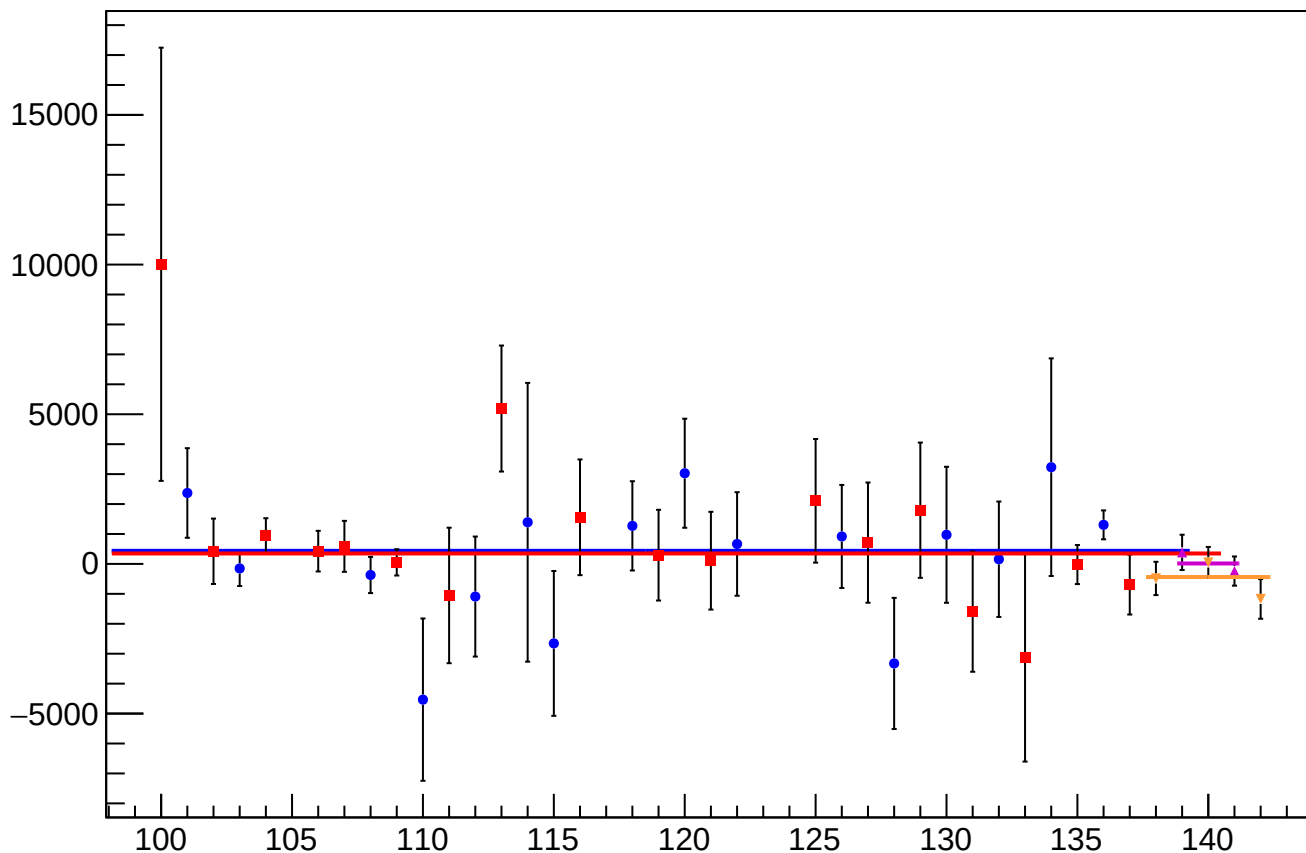
Left In: 1724.705 $\pm$ 0.927 χ^2 /NDF: 1414.0/1

+ sign 1475.800 $\pm$ 0.349 χ^2 /NDF: 682458.3/18

All: 1458.135 $\pm$ 0.246 χ^2 /NDF: 1191855.4/38

- sign 1440.613 $\pm$ 0.348 χ^2 /NDF: 504293.7/19

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: -438.269 $\pm$ 328.957 χ^2 /NDF:2.1/2

Right Out: 348.567 $\pm$ 233.745 χ^2 /NDF: 13.9/17

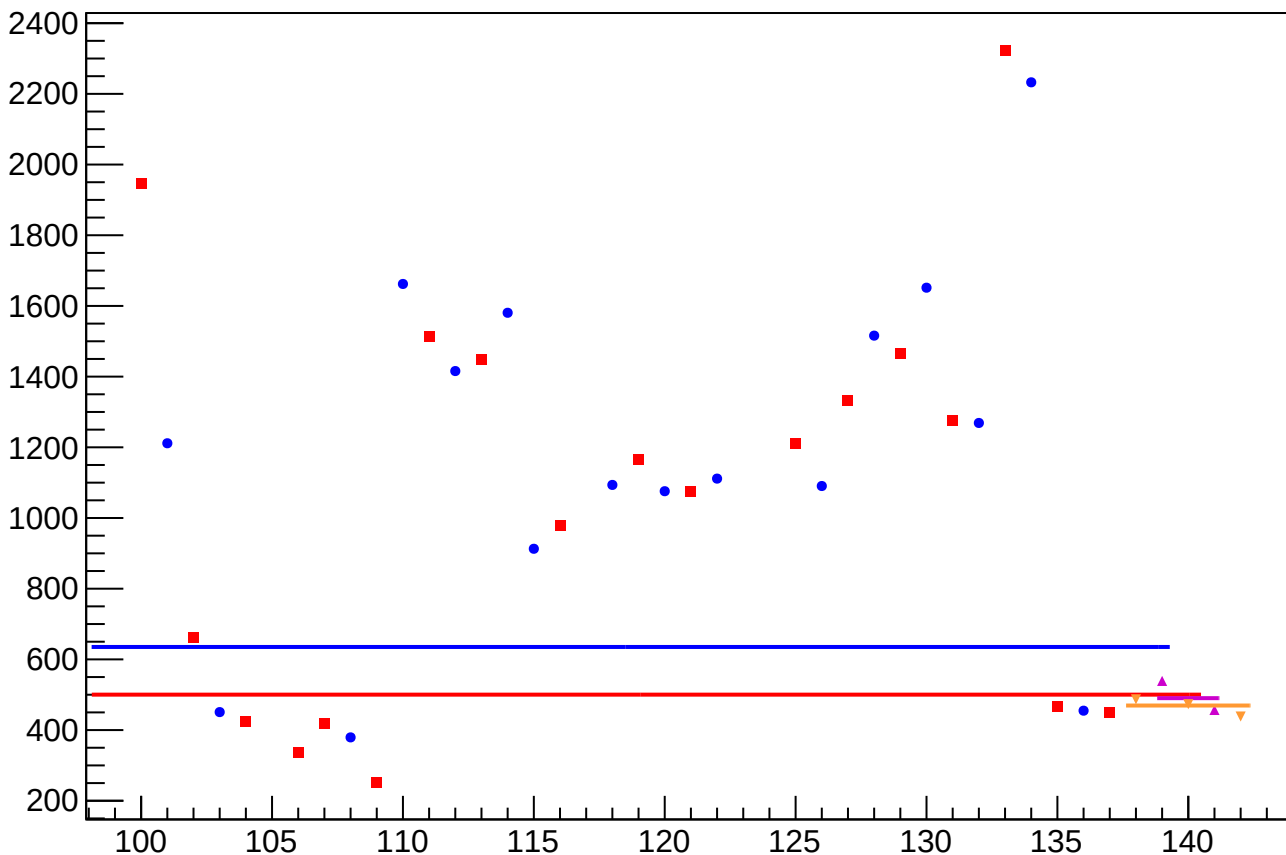
Left In: 14.734 $\pm$ 375.745 χ^2 /NDF:0.7/1

+ sign 75.243 $\pm$ 211.400 χ^2 /NDF: 25.6/18

All: 171.009 $\pm$ 144.696 χ^2 /NDF: 41.1/38

- sign 255.423 $\pm$ 198.475 χ^2 /NDF: 15.2/19

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: 469.450+/-0.233 χ^2/NDF : 6517.1/2

Right Out: 500.231+/-0.165 χ^2/NDF : 4309093.1/17

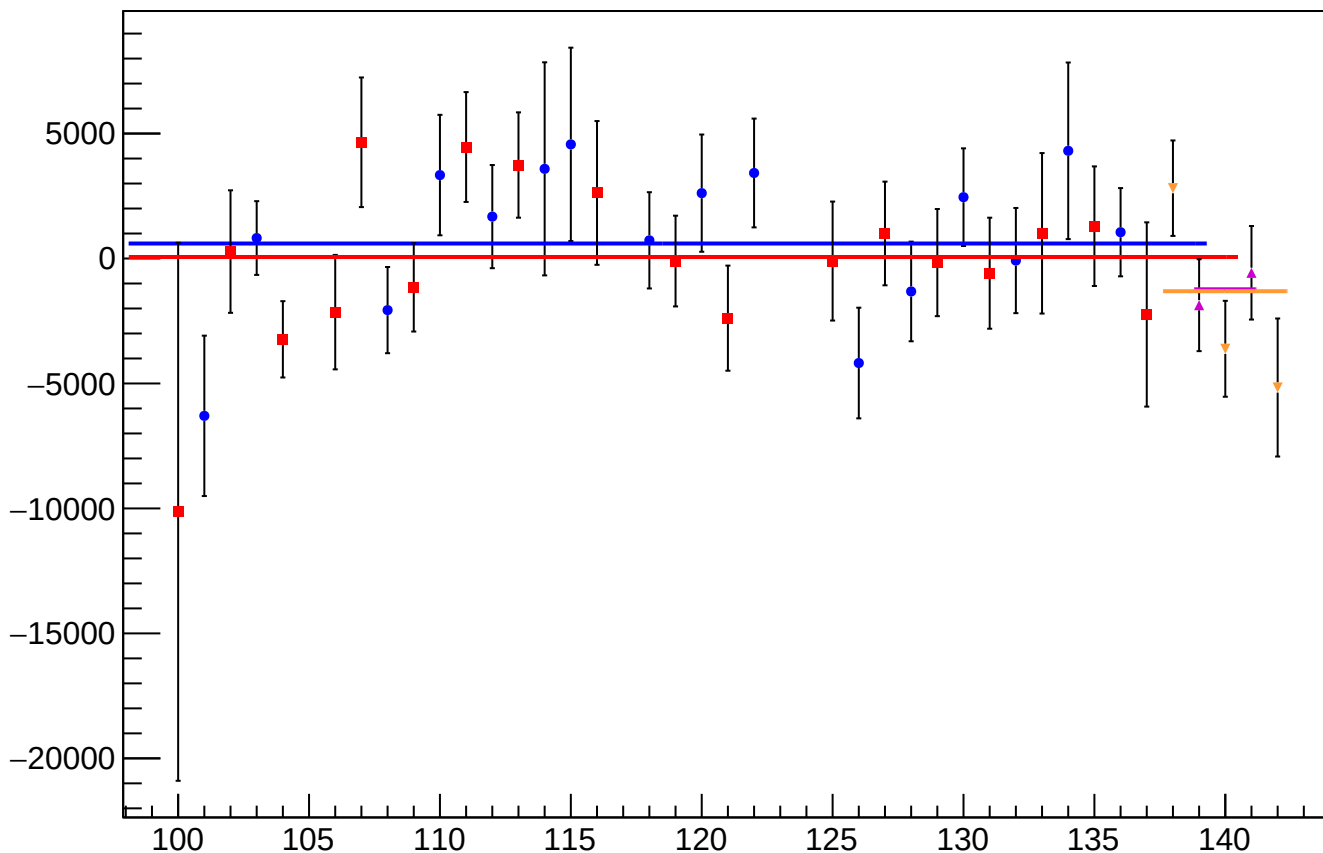
Left In: 490.299+/-0.266 χ^2/NDF : 23065.0/1

+ sign 566.710+/-0.149 χ^2/NDF : 4056929.9/18

All: 529.904+/-0.102 χ^2/NDF : 8504164.8/38

- sign 497.460+/-0.140 χ^2/NDF : 4333165.6/19

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020 ± 540.053 χ^2/NDF : 20.3/15

Left Out: -1308.953 ± 1215.536 χ^2/NDF : 8.0/2

Right Out: 60.361 ± 532.826 χ^2/NDF : 20.4/17

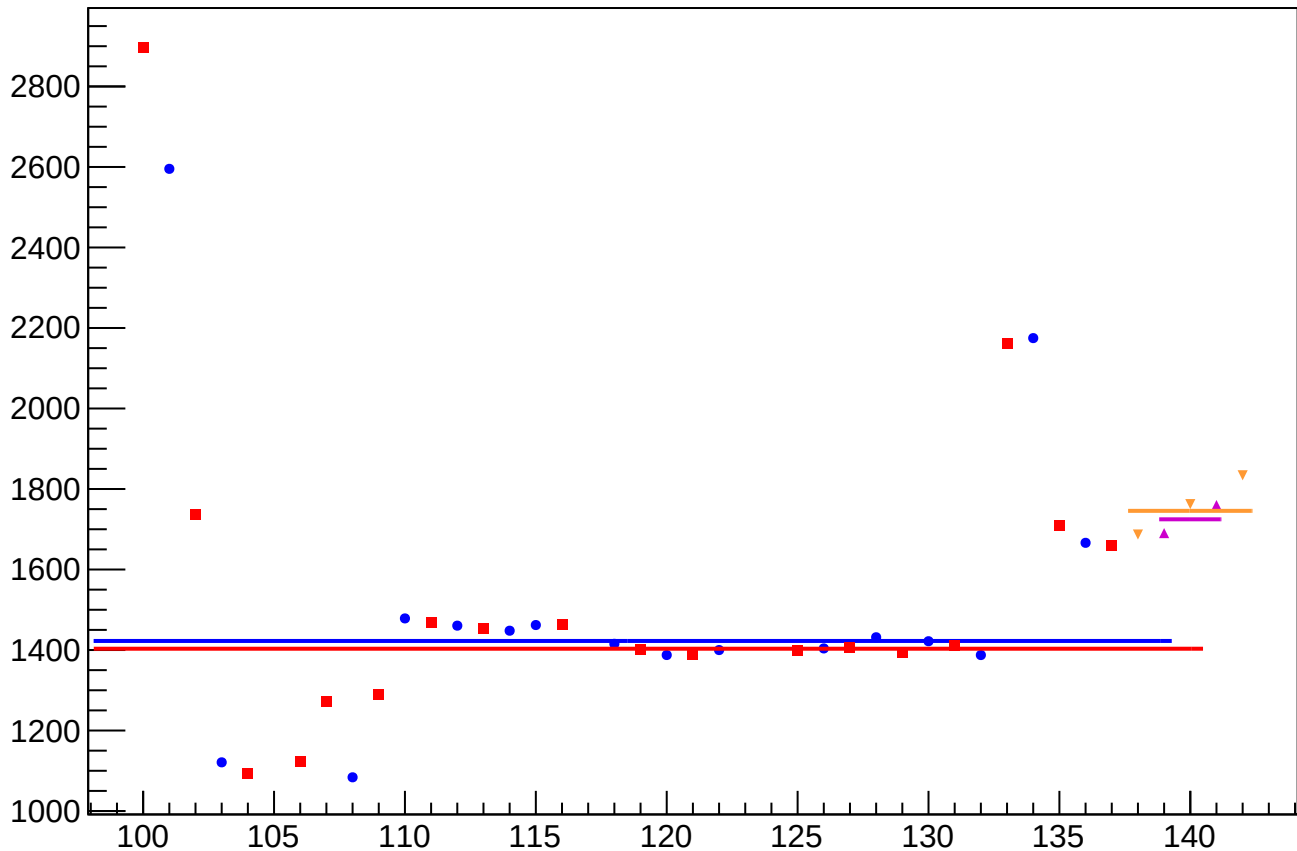
Left In: -1231.240 ± 1311.336 χ^2/NDF : 0.2/1

+ sign 285.318 ± 493.535 χ^2/NDF : 30.4/18

All: 81.368 ± 349.017 χ^2/NDF : 52.2/38

- sign -122.664 ± 493.633 χ^2/NDF : 21.4/19

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF : 560259.5/15

Left Out: 1745.740+/-0.860 χ^2/NDF : 4094.1/2

Right Out: 1403.220+/-0.377 χ^2/NDF : 359113.5/17

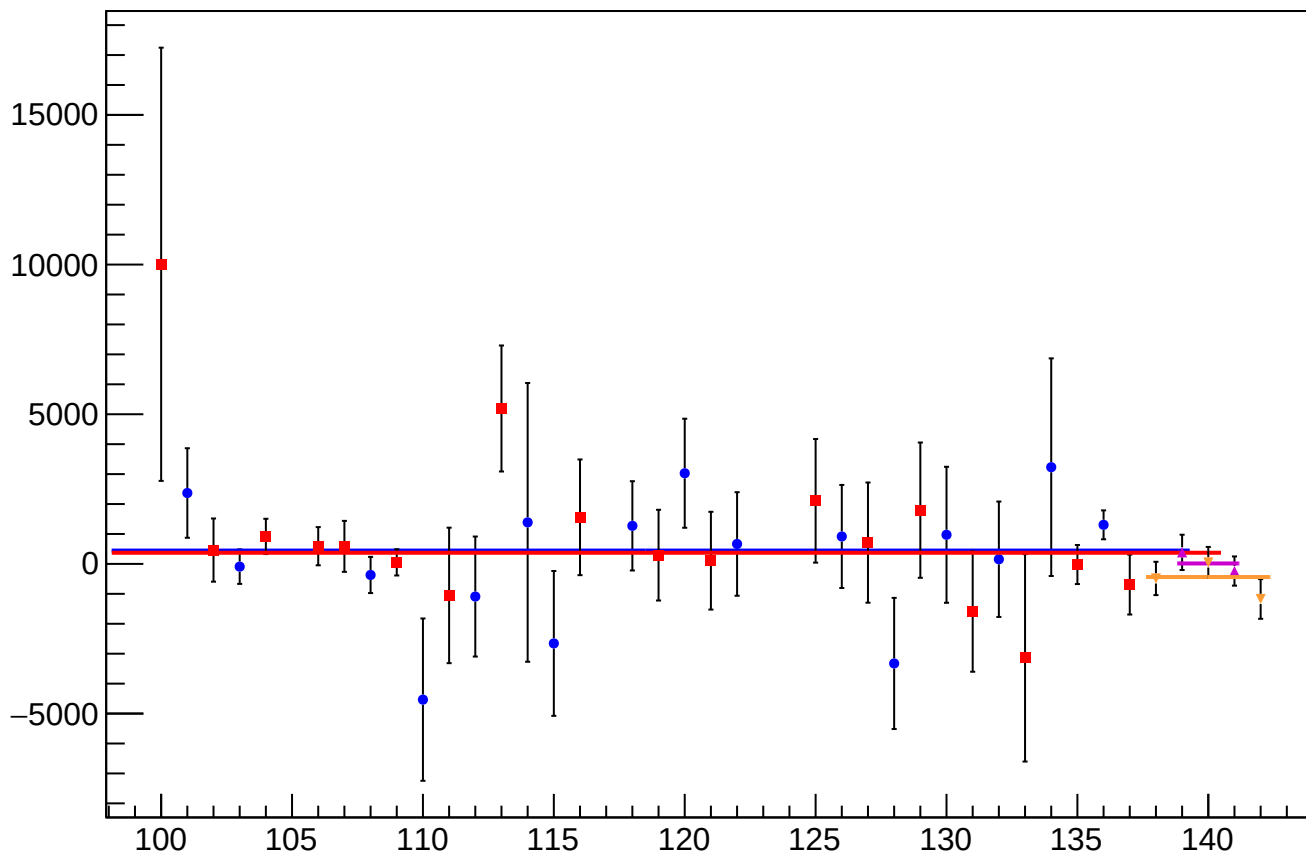
Left In: 1724.705+/-0.927 χ^2/NDF : 1414.0/1

+ sign 1475.800+/-0.349 χ^2/NDF : 682458.6/18

All: 1462.290+/-0.247 χ^2/NDF : 1149155.9/38

- sign 1448.775+/-0.349 χ^2/NDF : 463699.6/19

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: -438.460+/-328.977 χ^2/NDF : 2.1/2

Right Out: 372.538+/-231.353 χ^2/NDF : 14.0/17

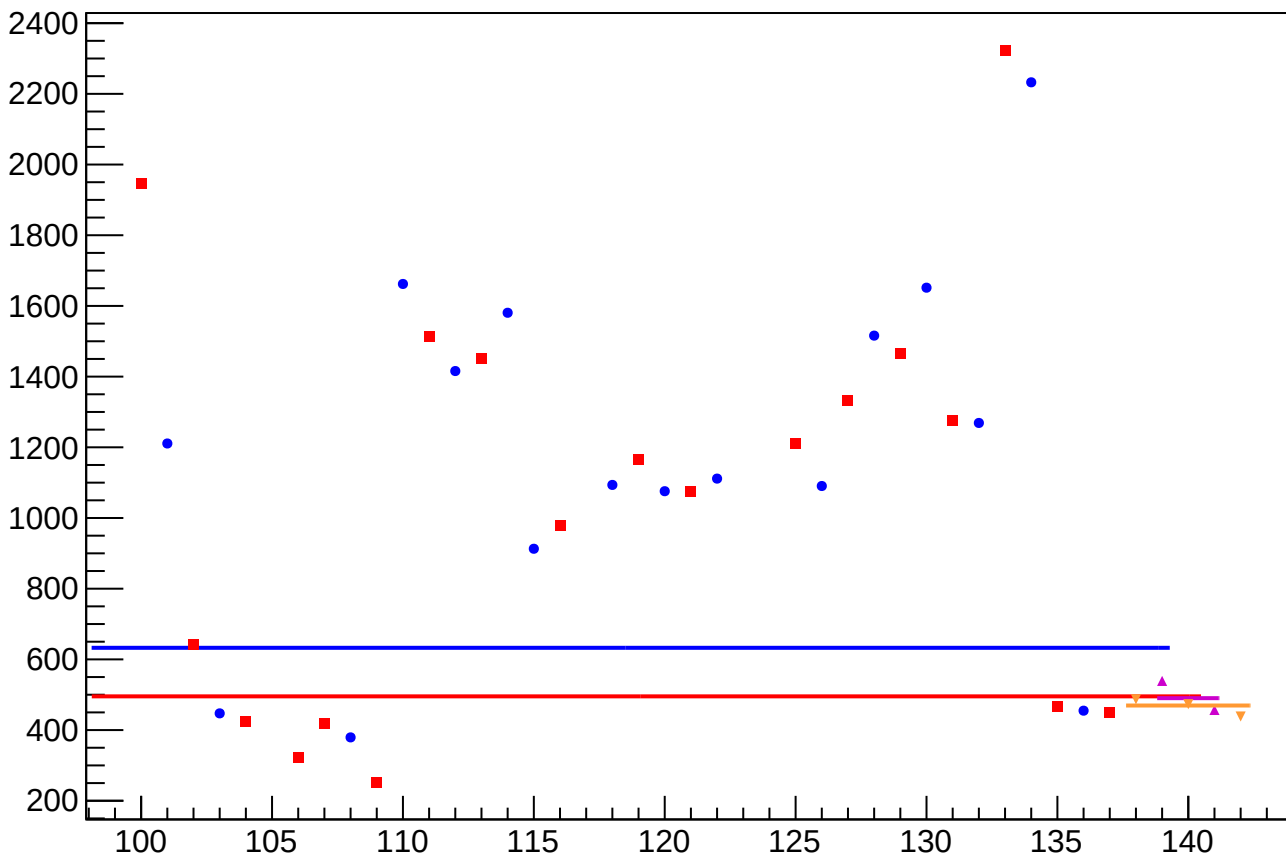
Left In: 14.984+/-375.737 χ^2/NDF : 0.7/1

+ sign 82.080+/-210.873 χ^2/NDF : 25.6/18

All: 184.690+/-143.956 χ^2/NDF : 41.3/38

- sign 274.246+/-197.003 χ^2/NDF : 15.3/19

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: 469.481+/-0.233 χ^2/NDF : 6503.0/2

Right Out: 495.380+/-0.164 χ^2/NDF : 4337484.8/17

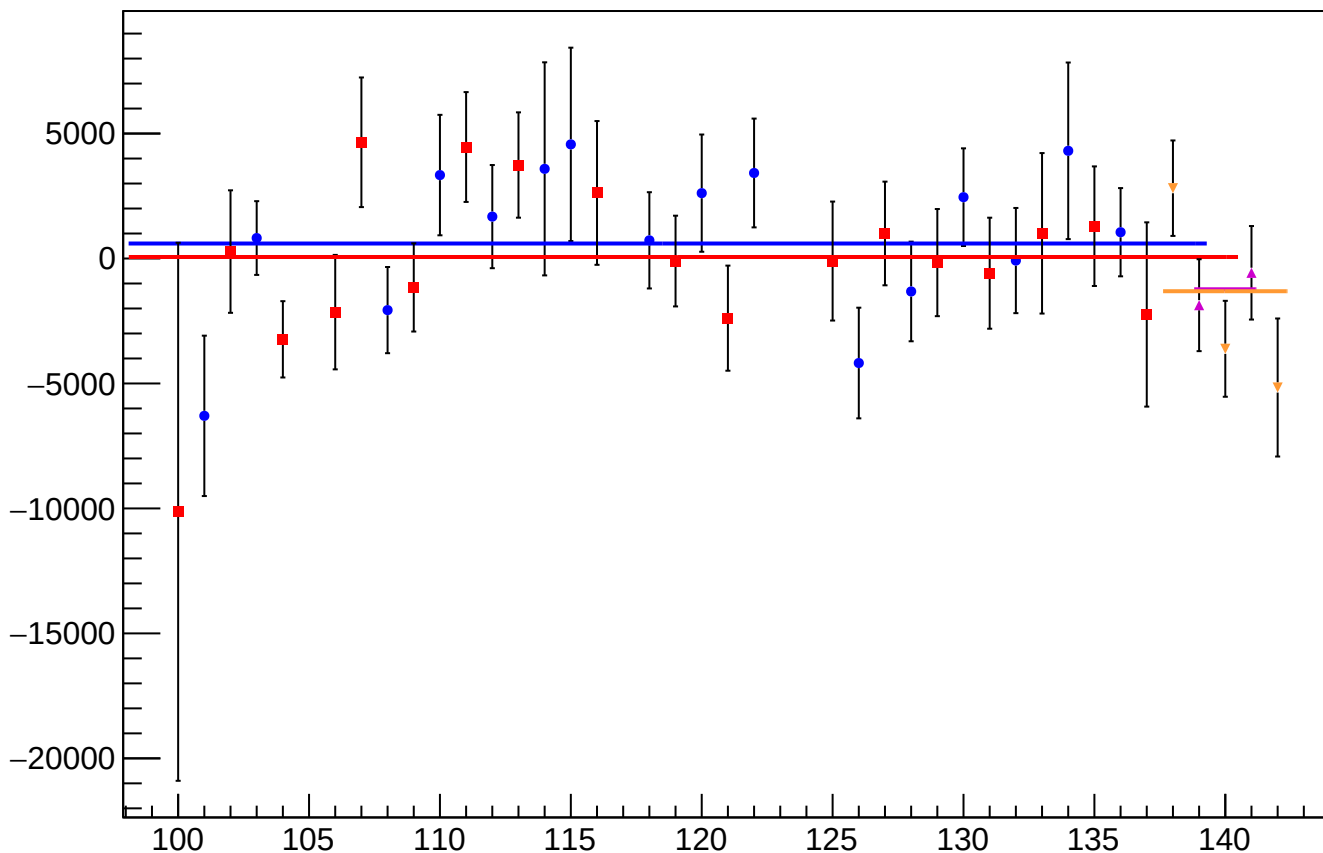
Left In: 490.287+/-0.266 χ^2/NDF : 23070.6/1

+ sign 565.668+/-0.149 χ^2/NDF : 4064455.8/18

All: 527.389+/-0.102 χ^2/NDF : 8548701.1/38

- sign 493.980+/-0.139 χ^2/NDF : 4360821.8/19

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: -1308.953+/-1215.536 χ^2/NDF : 8.0/2

Right Out: 60.361+/-532.826 χ^2/NDF : 20.4/17

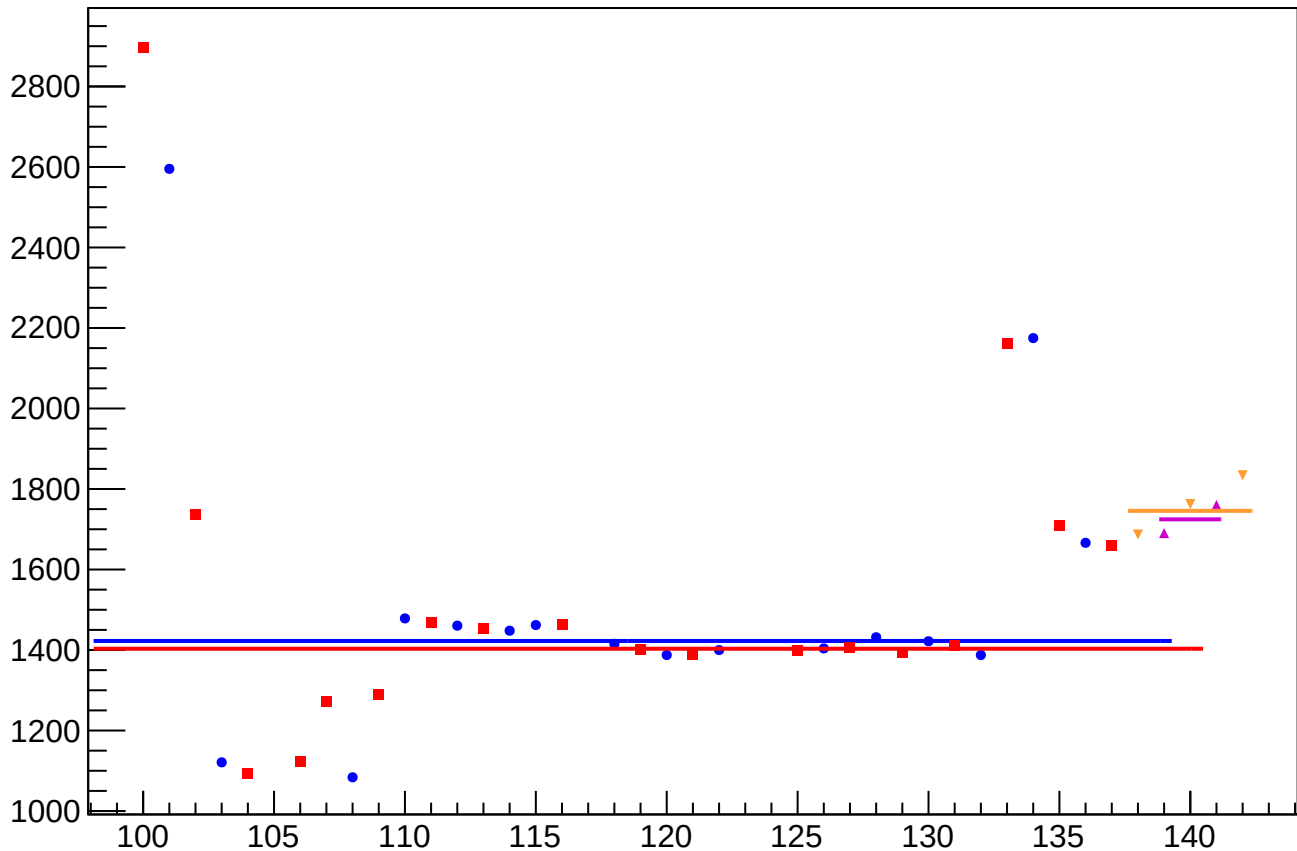
Left In: -1231.240+/-1311.336 χ^2/NDF : 0.2/1

+ sign 285.318+/-493.535 χ^2/NDF : 30.4/18

All: 81.368+/-349.017 χ^2/NDF : 52.2/38

- sign -122.664+/-493.633 χ^2/NDF : 21.4/19

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF : 560259.5/15

Left Out: 1745.740+/-0.860 χ^2/NDF : 4094.1/2

Right Out: 1403.220+/-0.377 χ^2/NDF : 359113.5/17

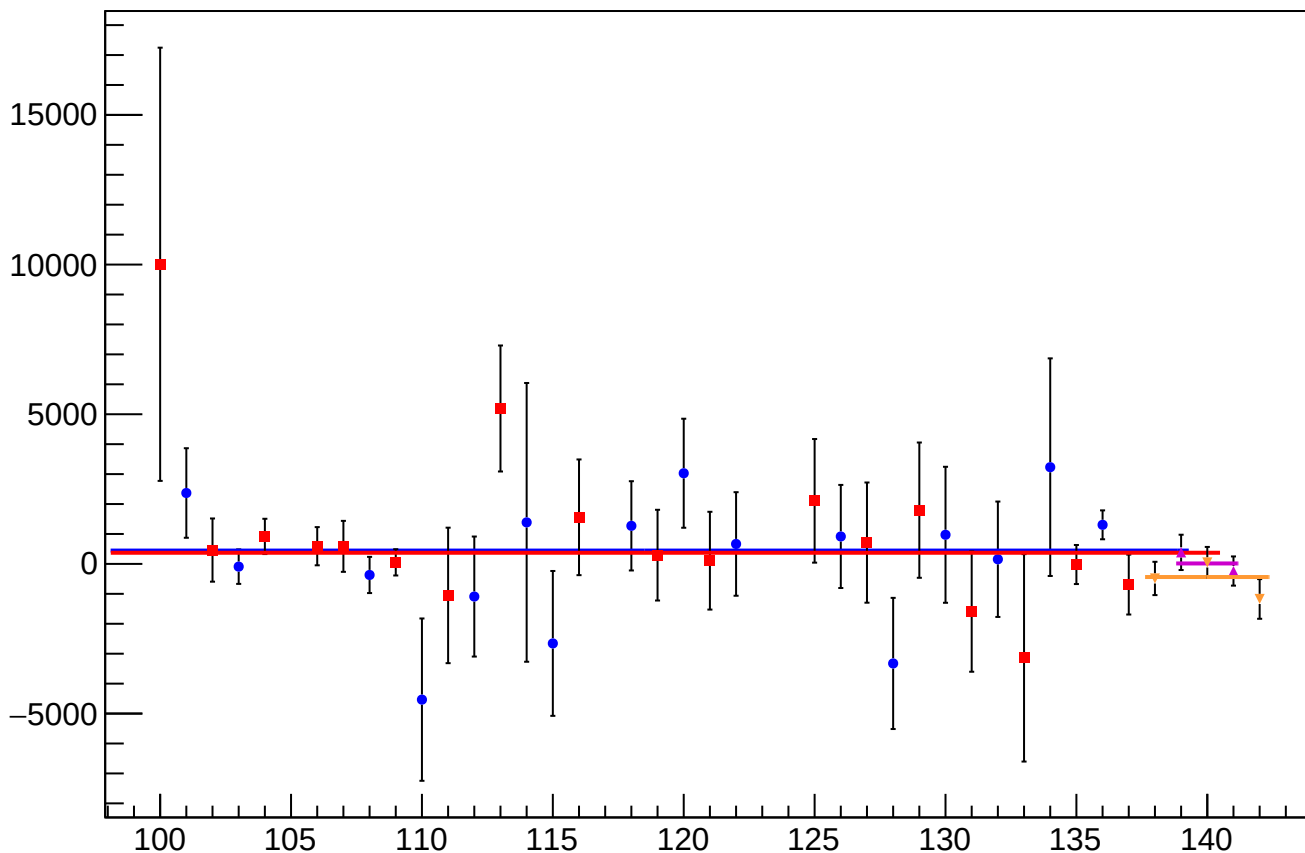
Left In: 1724.705+/-0.927 χ^2/NDF : 1414.0/1

+ sign 1475.800+/-0.349 χ^2/NDF : 682458.6/18

All: 1462.290+/-0.247 χ^2/NDF : 1149155.9/38

- sign 1448.775+/-0.349 χ^2/NDF : 463699.6/19

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: -438.460+/-328.977 χ^2/NDF : 2.1/2

Right Out: 372.538+/-231.353 χ^2/NDF : 14.0/17

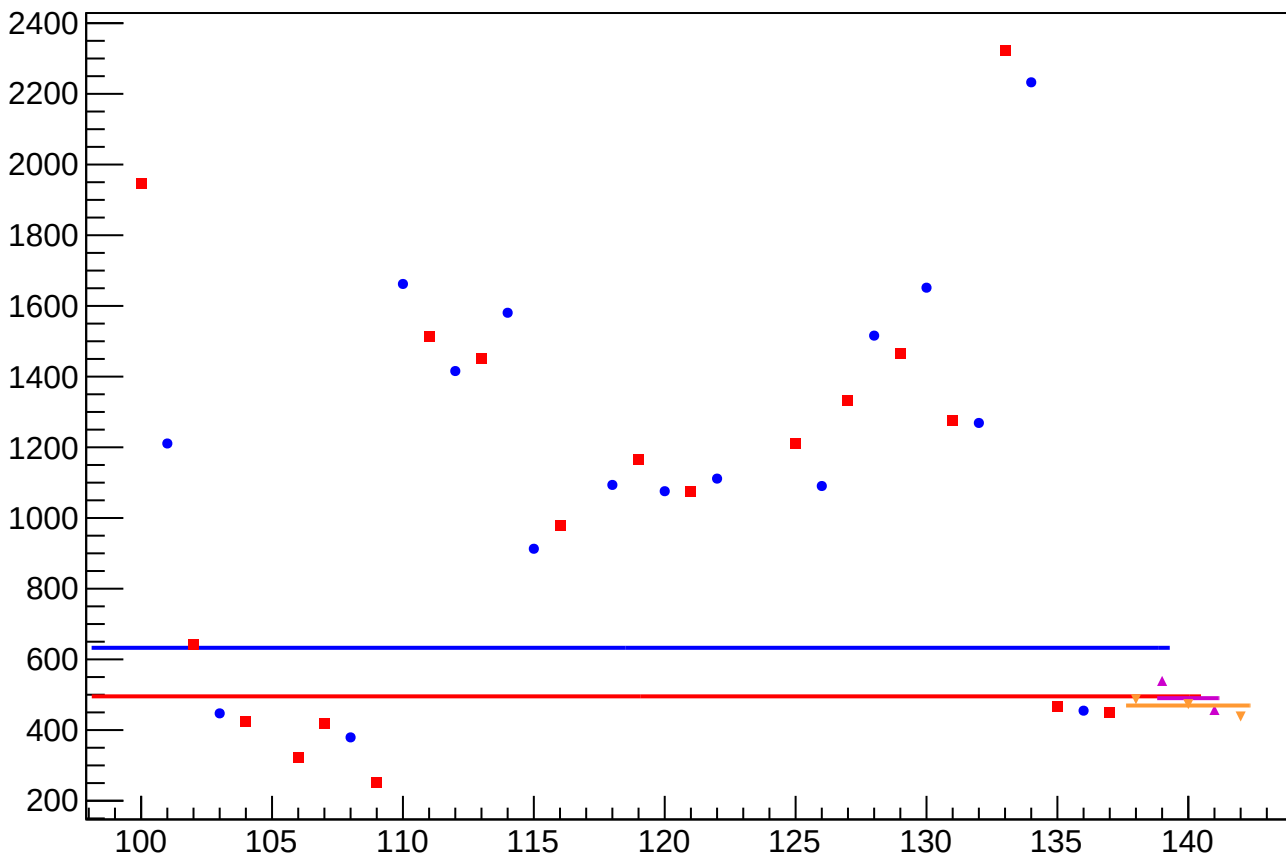
Left In: 14.984+/-375.737 χ^2/NDF : 0.7/1

+ sign 82.080+/-210.873 χ^2/NDF : 25.6/18

All: 184.690+/-143.956 χ^2/NDF : 41.3/38

- sign 274.246+/-197.003 χ^2/NDF : 15.3/19

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: 469.481+/-0.233 χ^2/NDF : 6503.0/2

+ sign 565.668+/-0.149 χ^2/NDF : 4064455.8/18

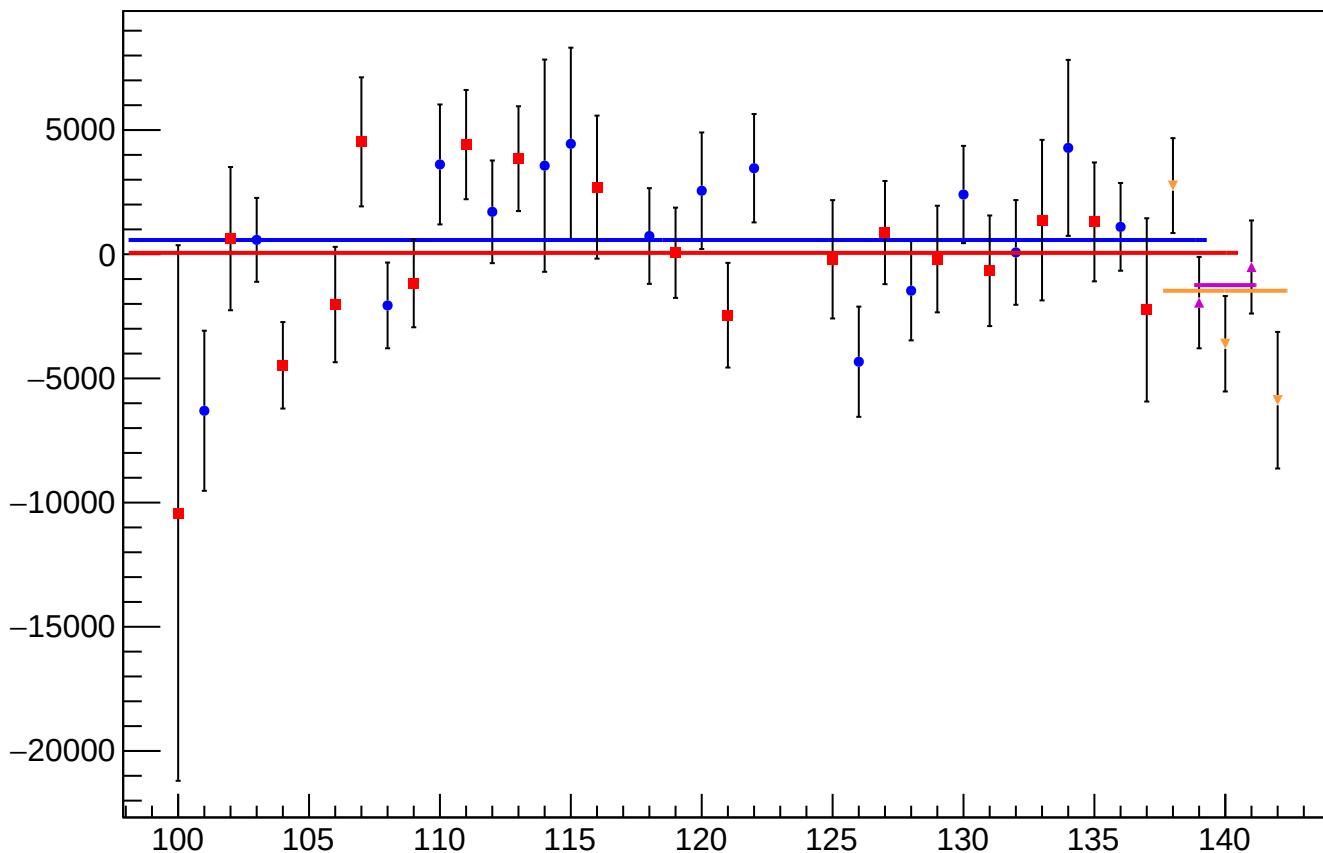
Right Out: 495.380+/-0.164 χ^2/NDF : 4337484.8/17

All: 527.389+/-0.102 χ^2/NDF : 8548701.1/38

- sign 493.980+/-0.139 χ^2/NDF : 4360821.8/19

Left In: 490.287+/-0.266 χ^2/NDF : 23070.6/1

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289 ± 549.638 χ^2/NDF : 20.8/15

Left Out: -1471.142 ± 1215.378 χ^2/NDF : 8.7/2

Right Out: 53.754 ± 545.353 χ^2/NDF : 22.5/17

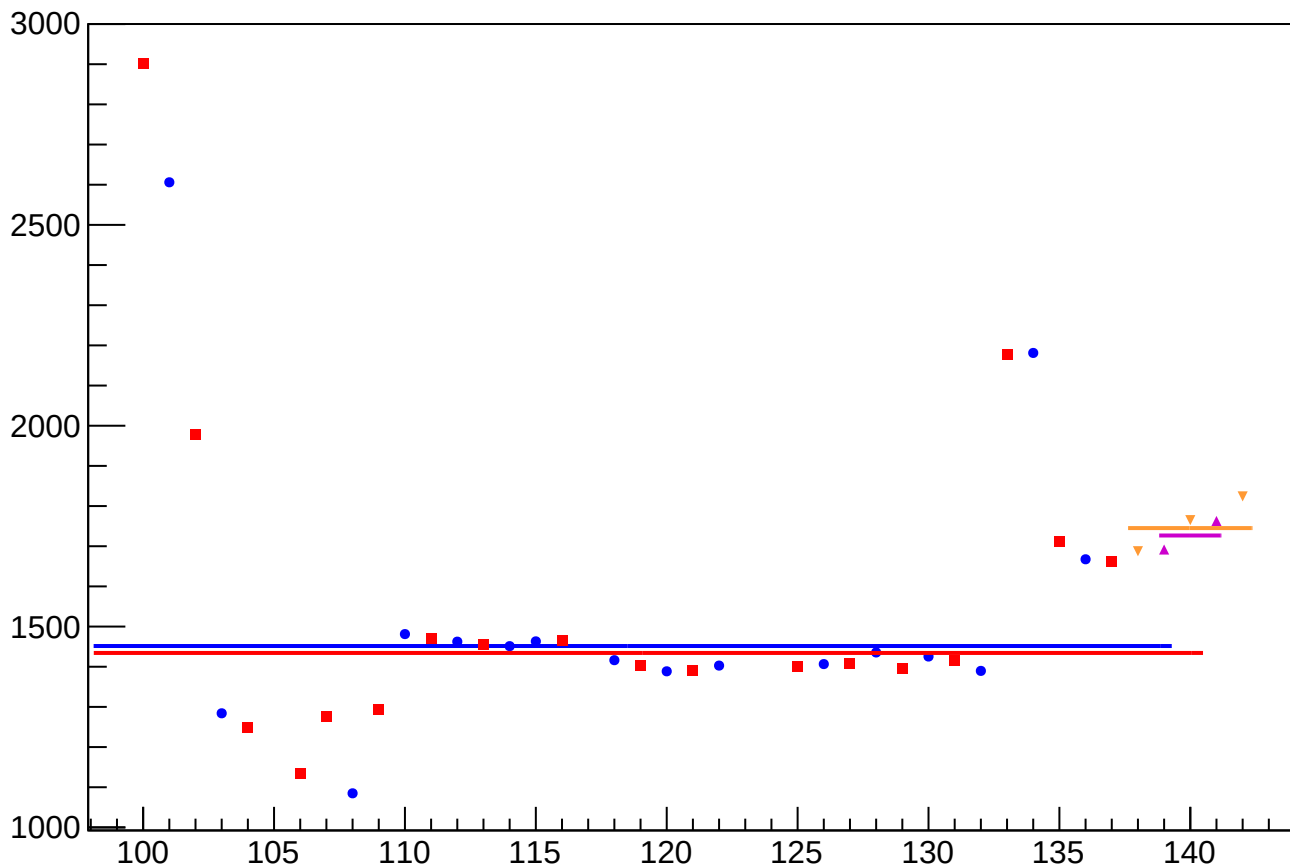
Left In: -1243.823 ± 1312.917 χ^2/NDF : 0.3/1

+ sign 225.331 ± 500.807 χ^2/NDF : 31.8/18

All: 45.095 ± 355.119 χ^2/NDF : 55.7/38

- sign -137.181 ± 503.633 χ^2/NDF : 23.6/19

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: 1745.166 $\pm$ 0.859 χ^2 /NDF:3677.7/2

Right Out: 1434.321 $\pm$ 0.386 χ^2 /NDF: 328590.5/17

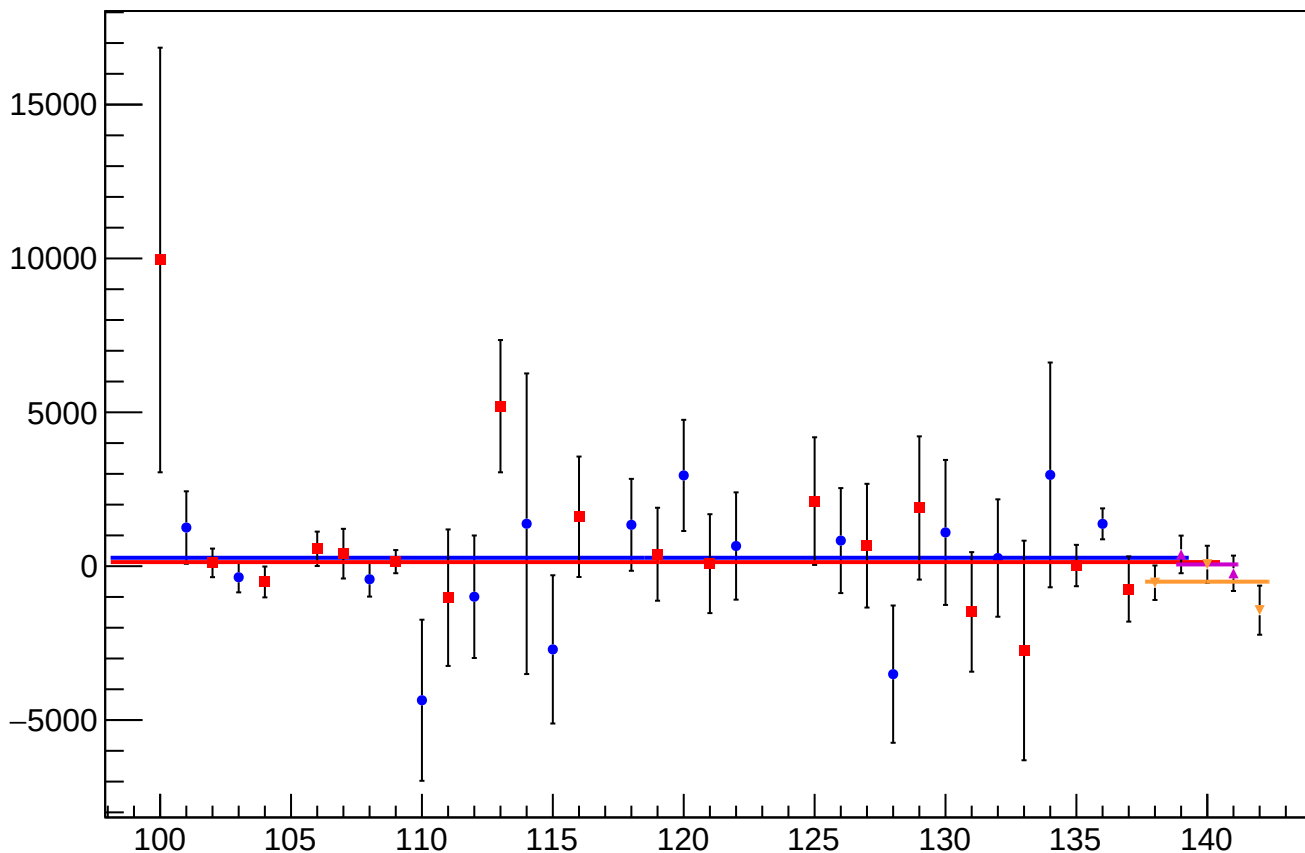
Left In: 1726.722 $\pm$ 0.928 χ^2 /NDF:1463.7/1

+ sign 1501.428 $\pm$ 0.354 χ^2 /NDF: 588401.6/18

All: 1489.455 $\pm$ 0.251 χ^2 /NDF: 1005357.7/38

- sign 1477.347 $\pm$ 0.356 χ^2 /NDF: 414657.1/19

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: -503.681 $\pm$ 364.505 χ^2 /NDF:2.2/2

Right Out: 132.573 $\pm$ 195.933 χ^2 /NDF: 14.4/17

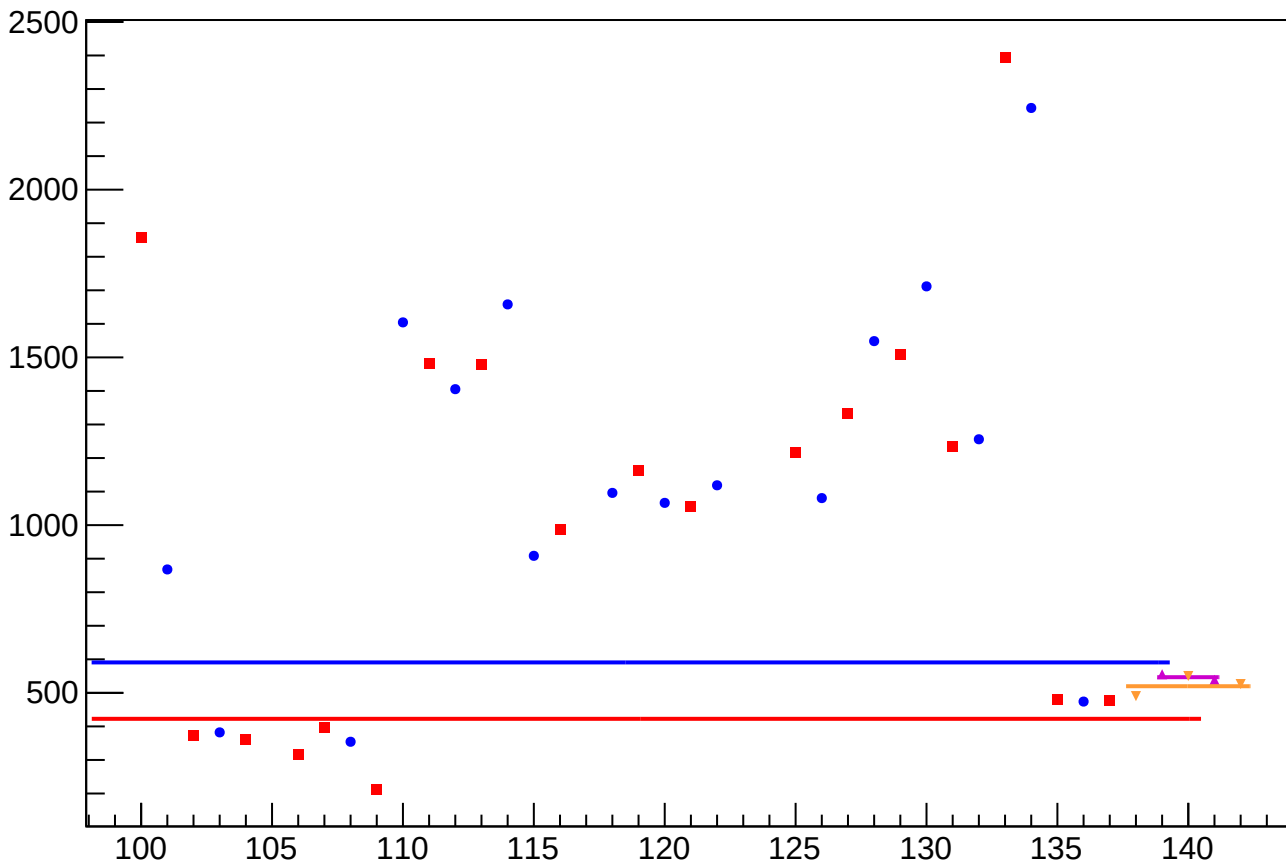
Left In: 56.813 $\pm$ 418.640 χ^2 /NDF:0.5/1

+ sign 10.664 $\pm$ 211.959 χ^2 /NDF: 25.5/18

All: 74.331 $\pm$ 136.067 χ^2 /NDF: 40.6/38

- sign 118.960 $\pm$ 177.459 χ^2 /NDF: 15.0/19

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 590.749 $\pm$ 0.184 χ^2 /NDF: 3885502.1/15

Left Out: 519.795 $\pm$ 0.258 χ^2 /NDF:10784.3/2

Right Out: 422.629 $\pm$ 0.139 χ^2 /NDF: 4858014.6/17

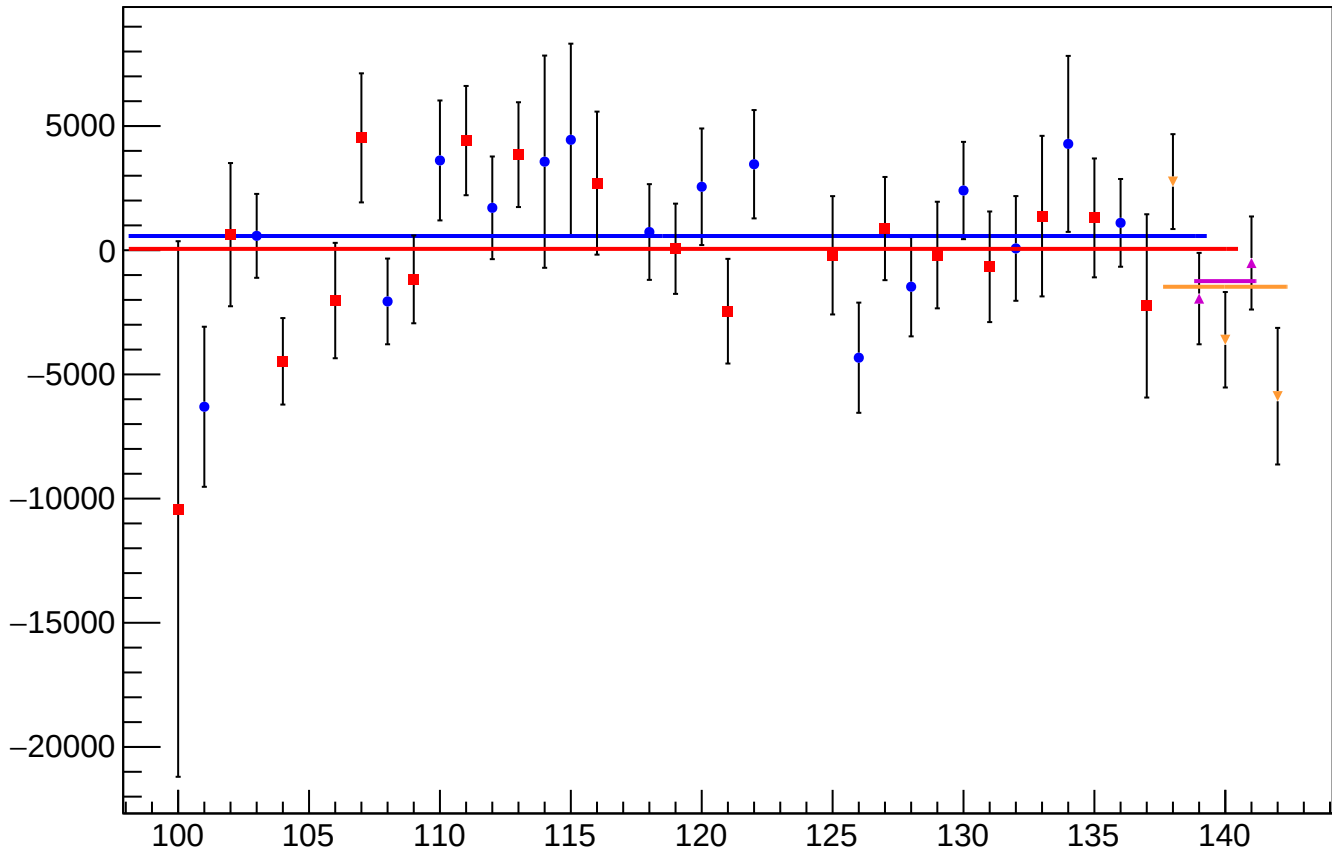
Left In: 546.725 $\pm$ 0.296 χ^2 /NDF:783.0/1

+ sign 566.757 $\pm$ 0.150 χ^2 /NDF: 3946444.7/18

All: 495.133 $\pm$ 0.096 χ^2 /NDF: 9337853.9/38

- sign 444.927 $\pm$ 0.125 χ^2 /NDF: 5002957.7/19

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.290 ± 549.638 χ^2/NDF : 20.8/15

Left Out: -1471.154 ± 1215.378 χ^2/NDF : 8.7/2

Right Out: 53.752 ± 545.353 χ^2/NDF : 22.5/17

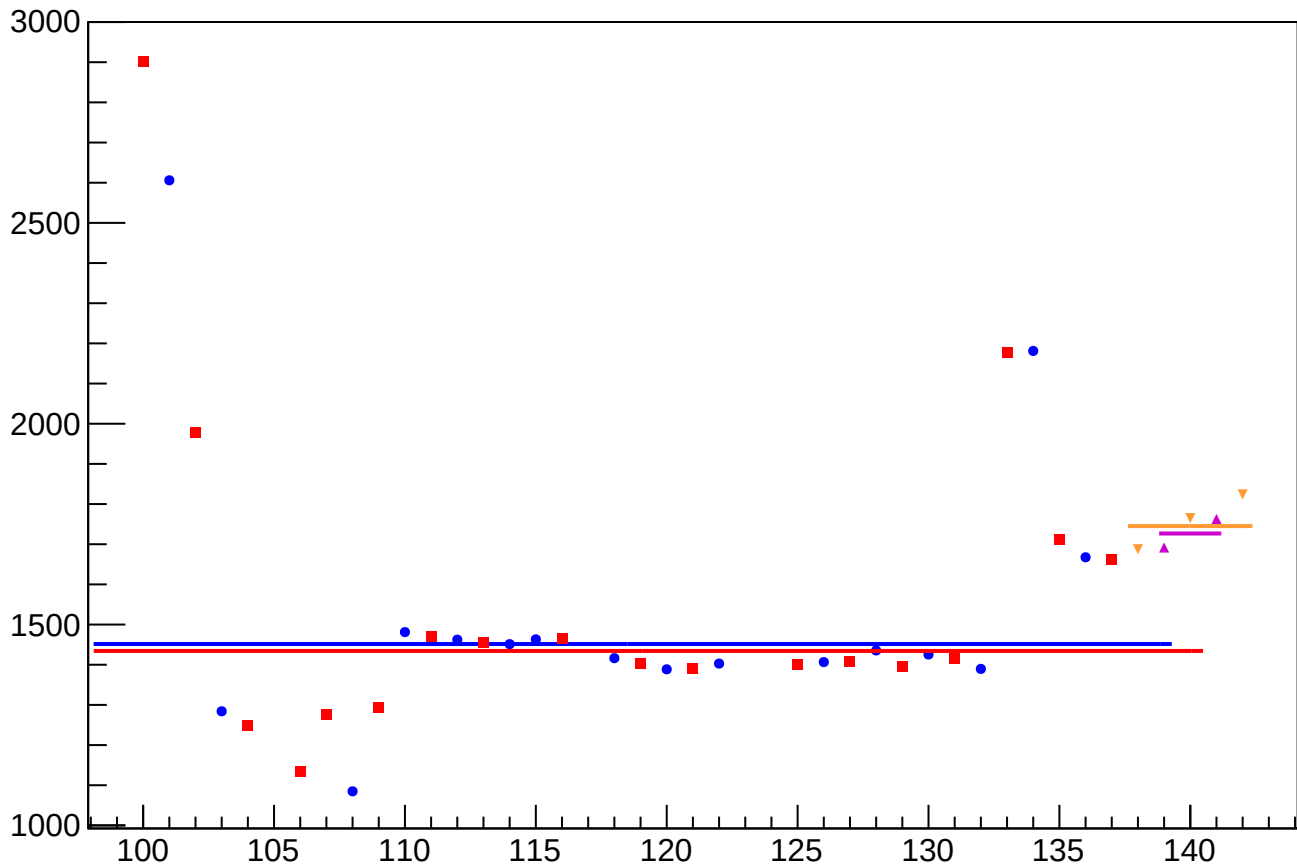
Left In: -1243.809 ± 1312.917 χ^2/NDF : 0.3/1

+ sign 225.330 ± 500.807 χ^2/NDF : 31.8/18

All: 45.094 ± 355.119 χ^2/NDF : 55.7/38

- sign -137.181 ± 503.633 χ^2/NDF : 23.6/19

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF : 487836.2/15

Left Out: 1745.166+/-0.859 χ^2/NDF : 3677.7/2

Right Out: 1434.321+/-0.386 χ^2/NDF : 328590.5/17

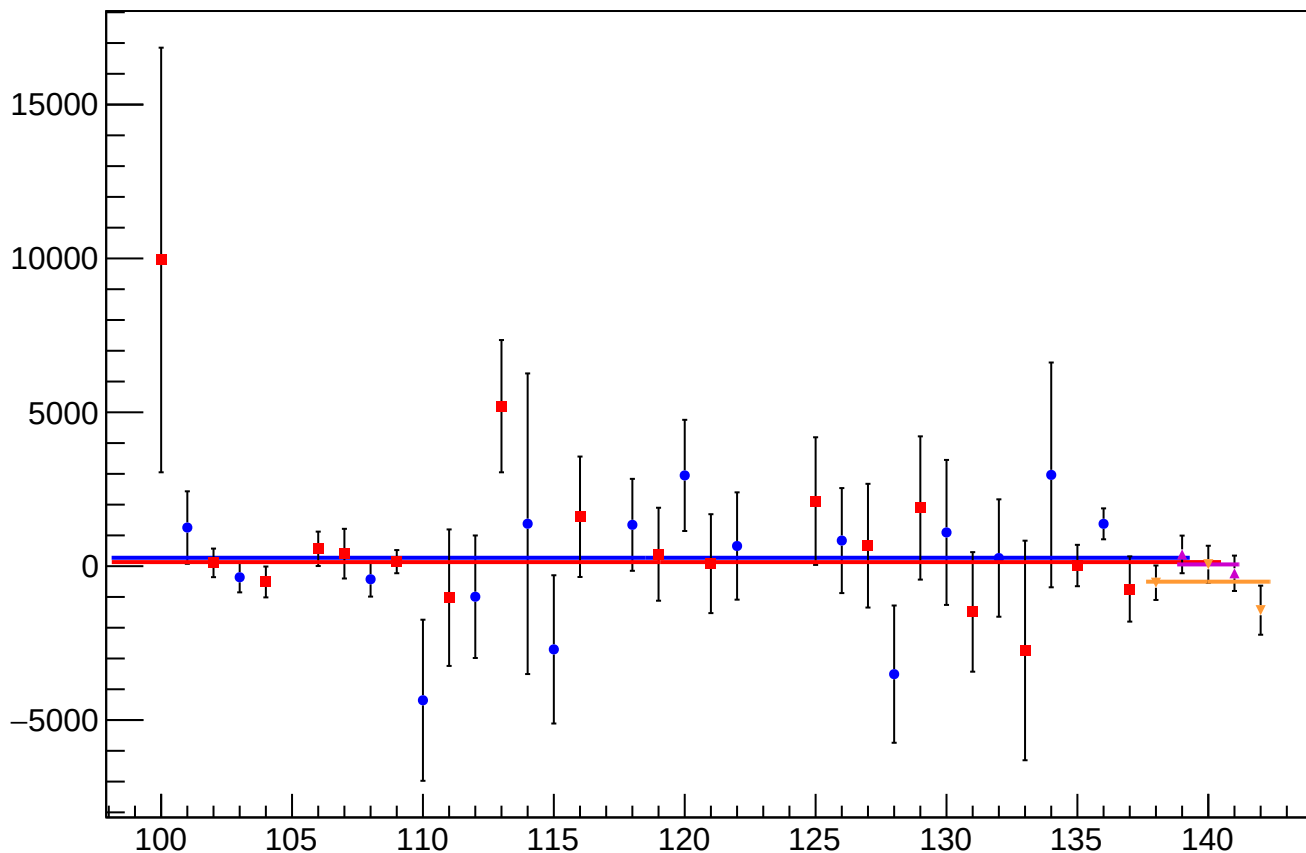
Left In: 1726.722+/-0.928 χ^2/NDF : 1463.7/1

+ sign 1501.428+/-0.354 χ^2/NDF : 588401.3/18

All: 1489.455+/-0.251 χ^2/NDF : 1005357.7/38

- sign 1477.347+/-0.356 χ^2/NDF : 414657.3/19

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: -503.692 $\pm$ 364.516 χ^2 /NDF:2.2/2

Right Out: 132.567 $\pm$ 195.935 χ^2 /NDF: 14.4/17

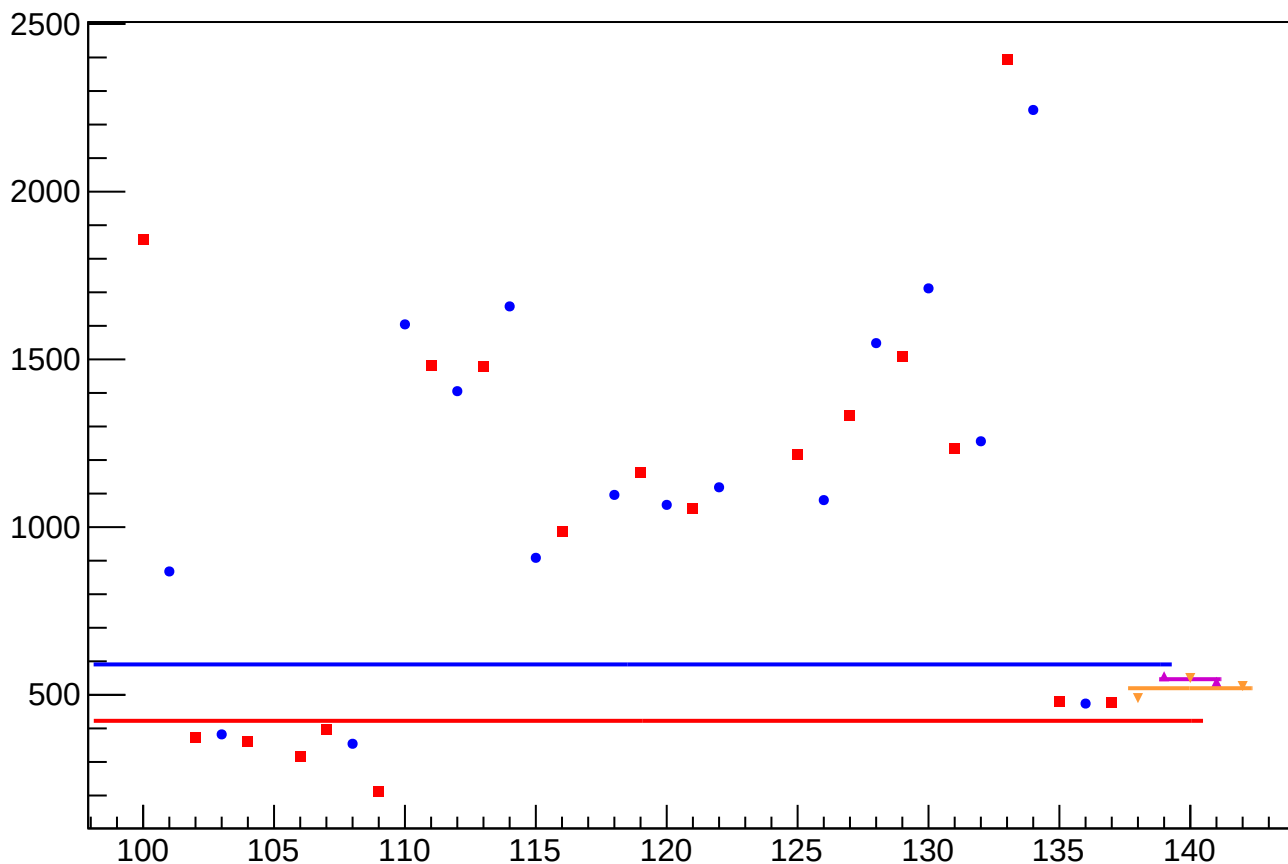
Left In: 56.825 $\pm$ 418.651 χ^2 /NDF:0.5/1

+ sign 10.664 $\pm$ 211.961 χ^2 /NDF: 25.5/18

All: 74.330 $\pm$ 136.068 χ^2 /NDF: 40.6/38

- sign 118.958 $\pm$ 177.461 χ^2 /NDF: 15.0/19

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: 519.811 $\pm$ 0.258 χ^2 /NDF:10779.1/2

Right Out: 422.634 $\pm$ 0.139 χ^2 /NDF: 4857932.7/17

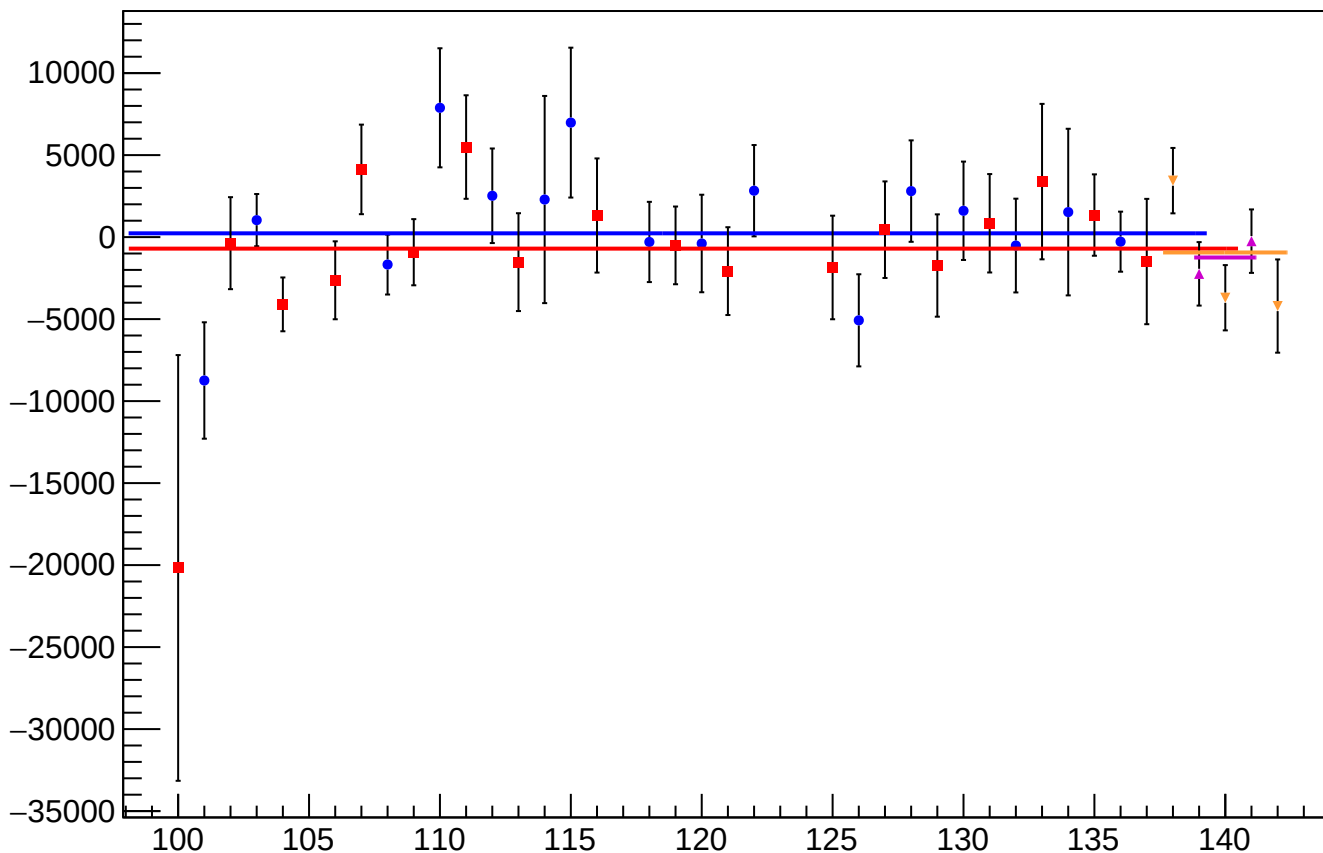
Left In: 546.740 $\pm$ 0.296 χ^2 /NDF:784.3/1

+ sign 566.762 $\pm$ 0.150 χ^2 /NDF: 3946441.4/18

All: 495.139 $\pm$ 0.096 χ^2 /NDF: 9337767.9/38

- sign 444.934 $\pm$ 0.125 χ^2 /NDF: 5002892.3/19

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761 ± 666.241 χ^2/NDF : 20.7/15

Left Out: -936.680 ± 1262.248 χ^2/NDF : 8.1/2

Right Out: -702.268 ± 648.319 χ^2/NDF : 17.0/17

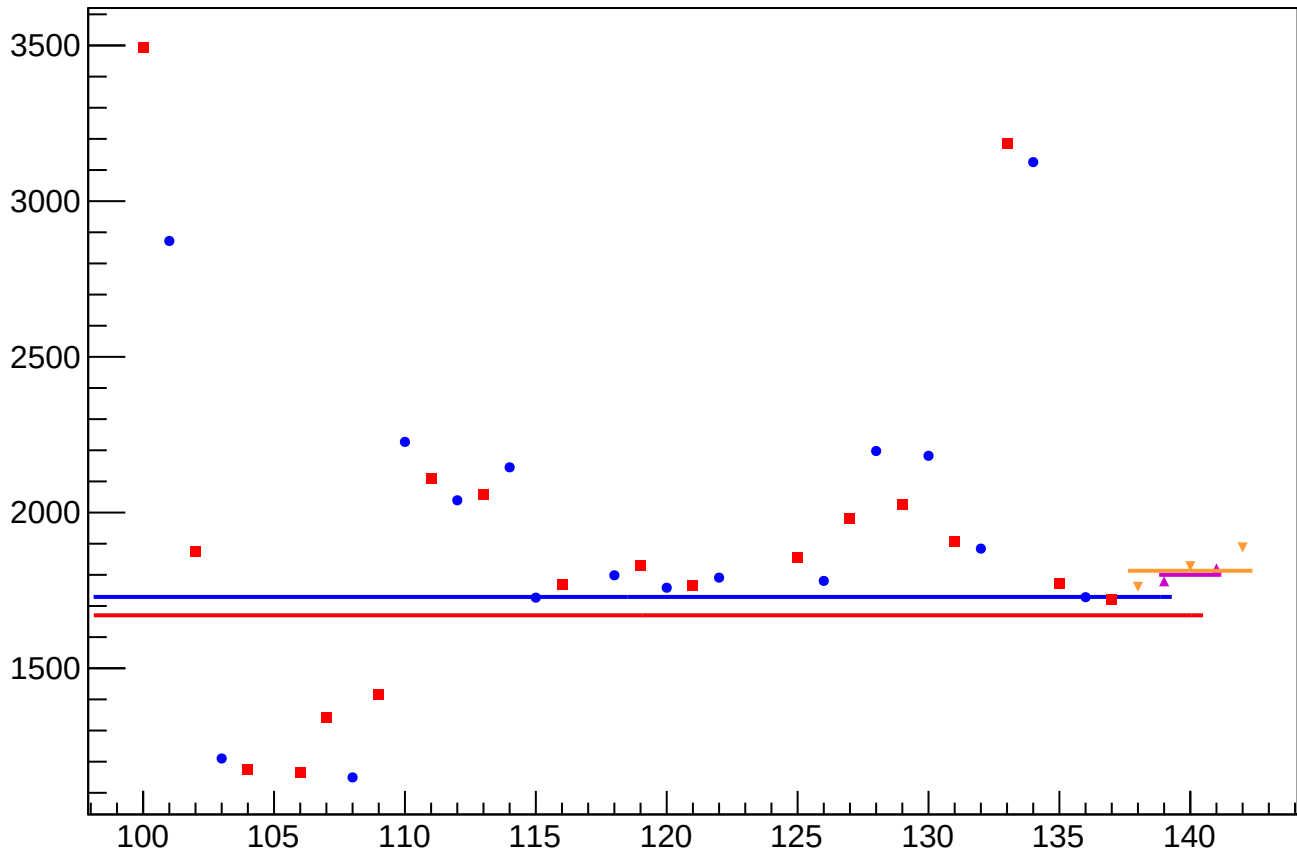
Left In: -1243.598 ± 1368.459 χ^2/NDF : 0.5/1

+ sign -23.614 ± 589.203 χ^2/NDF : 29.5/18

All: -414.746 ± 415.454 χ^2/NDF : 48.0/38

- sign -801.497 ± 585.894 χ^2/NDF : 17.7/19

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF : 942079.1/15

Left Out: 1813.095+/-0.893 χ^2/NDF : 2825.7/2

Right Out: 1670.056+/-0.458 χ^2/NDF : 744452.0/17

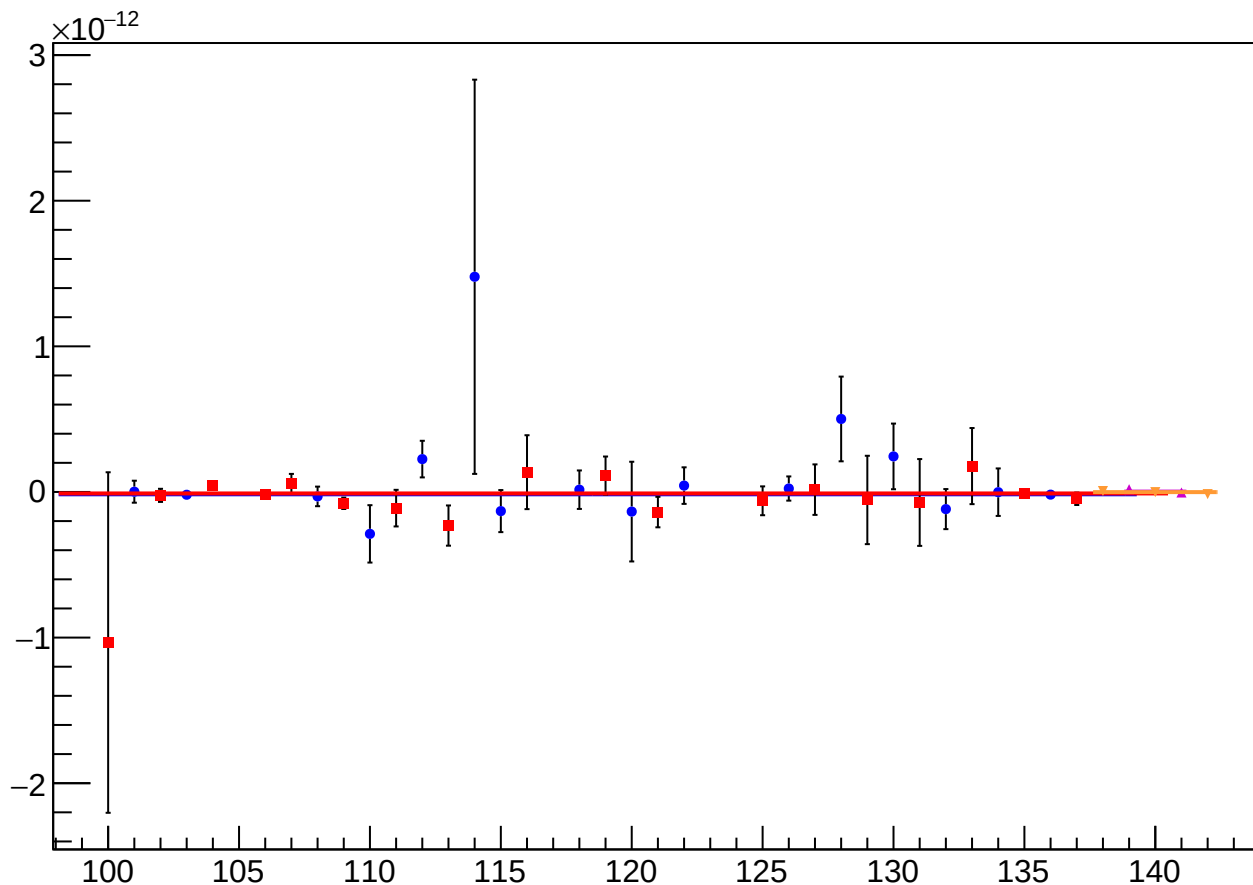
Left In: 1800.046+/-0.968 χ^2/NDF : 454.8/1

+ sign 1747.362+/-0.417 χ^2/NDF : 951839.6/18

All: 1720.472+/-0.294 χ^2/NDF : 1719769.2/38

- sign 1693.884+/-0.414 χ^2/NDF : 759645.0/19

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 1.0/2

Right Out: -0.000+/-0.000 χ^2 /NDF: 16.4/17

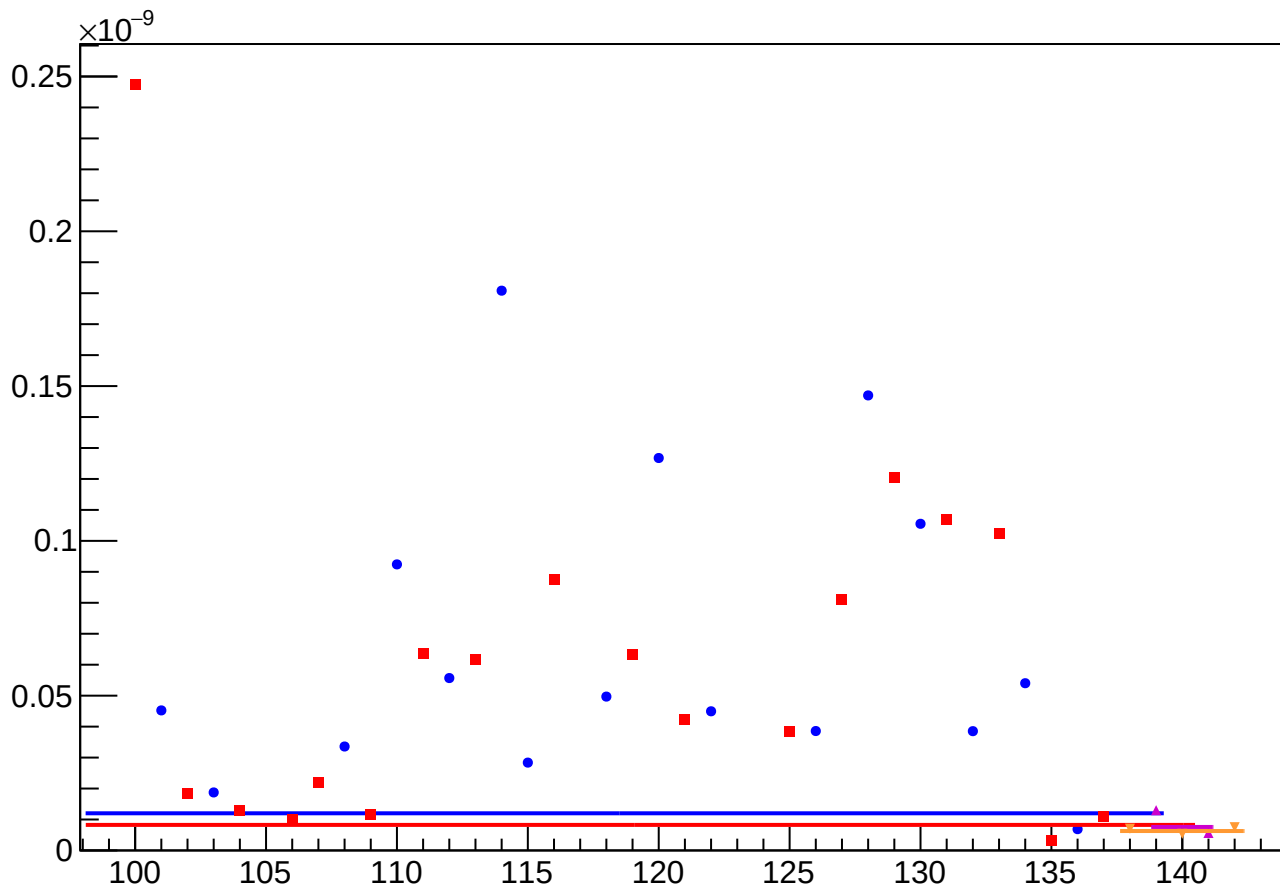
Left In: 0.000+/-0.000 χ^2 /NDF: 1.2/1

+ sign -0.000+/-0.000 χ^2 /NDF: 15.7/18

All: -0.000+/-0.000 χ^2 /NDF: 34.4/38

- sign -0.000+/-0.000 χ^2 /NDF: 18.7/19

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 33142.4/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3510130.7/17

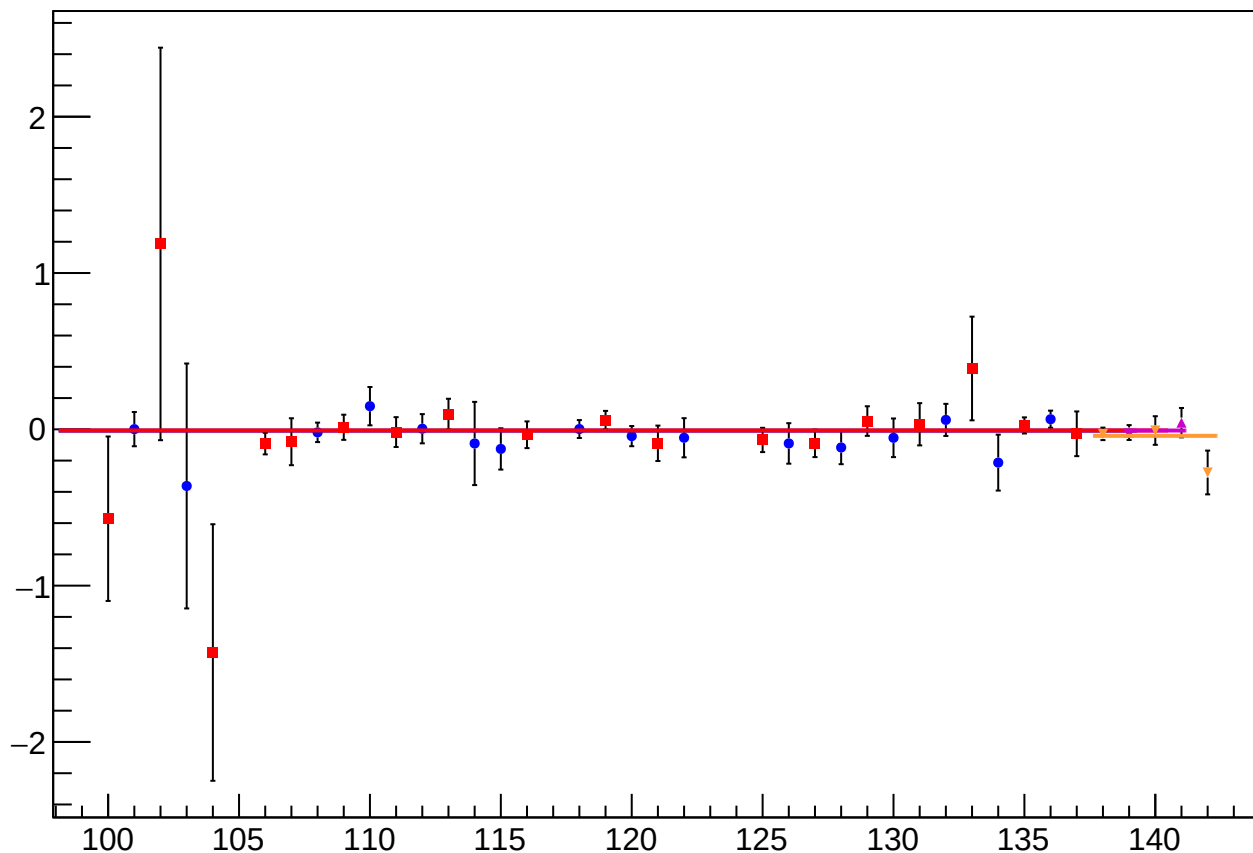
Left In: 0.000+/-0.000 χ^2/NDF : 262921.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 3879118.4/18

All: 0.000+/-0.000 χ^2/NDF : 7659147.2/38

- sign 0.000+/-0.000 χ^2/NDF : 3778733.9/19

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: -0.042 ± 0.035 χ^2/NDF : 3.0/2

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

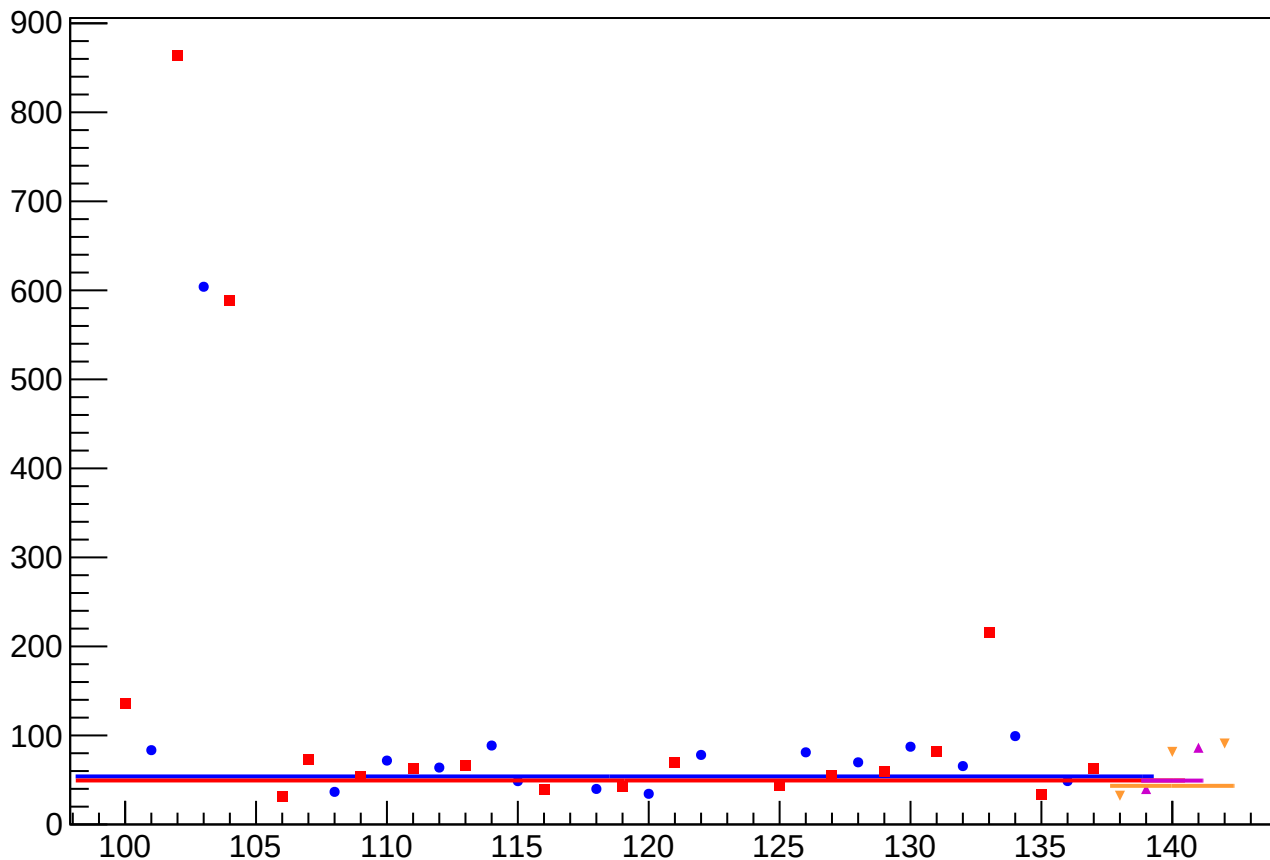
Left In: -0.008 ± 0.042 χ^2/NDF : 0.4/1

+ sign -0.018 ± 0.019 χ^2/NDF : 12.0/18

All: -0.013 ± 0.014 χ^2/NDF : 26.2/38

- sign -0.007 ± 0.020 χ^2/NDF : 14.0/19

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926 $\pm$ 0.016 χ^2 /NDF: 2214348.1/15

Left Out: 43.380 $\pm$ 0.025 χ^2 /NDF: 732486.7/2

Right Out: 49.420 $\pm$ 0.016 χ^2 /NDF: 3017719.3/17

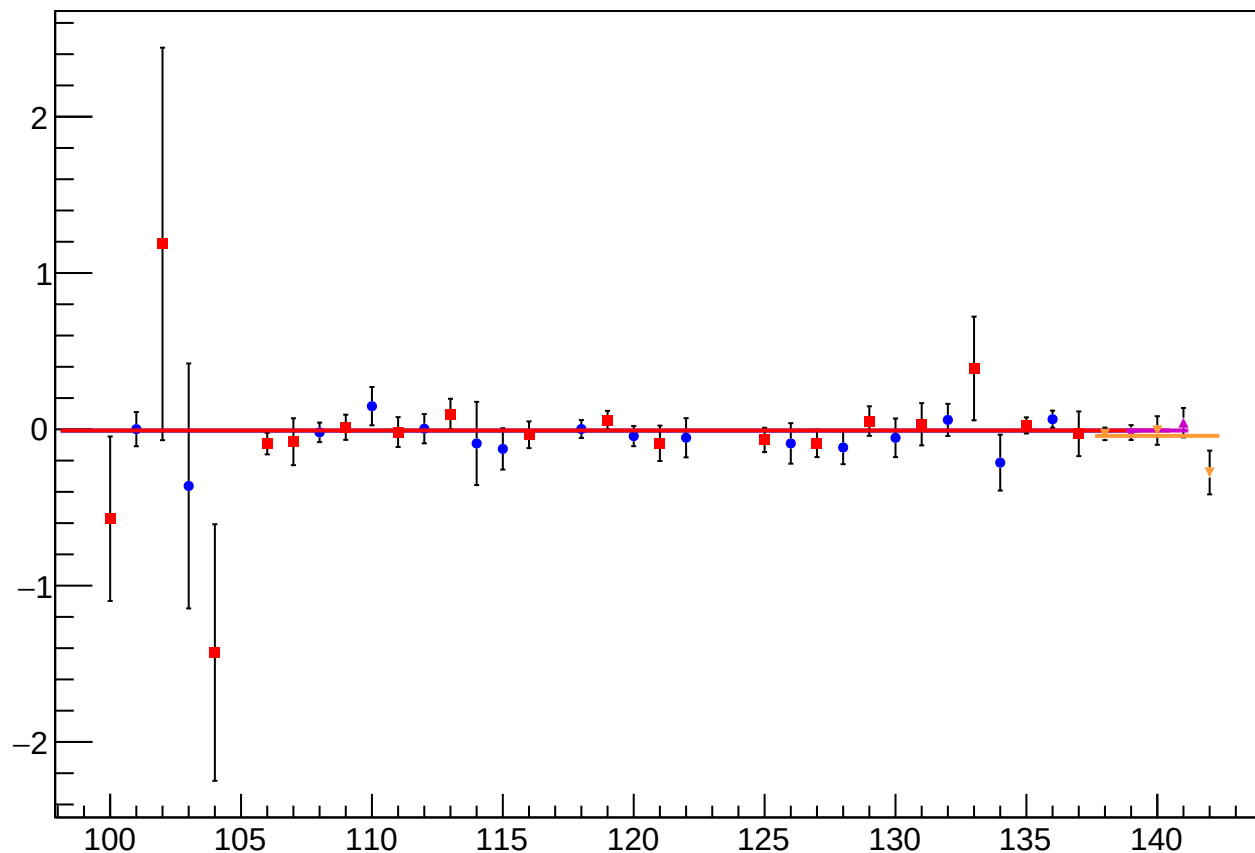
Left In: 49.274 $\pm$ 0.030 χ^2 /NDF: 387259.2/1

+ sign 50.776 $\pm$ 0.014 χ^2 /NDF: 3071253.5/18

All: 50.094 $\pm$ 0.010 χ^2 /NDF: 6481304.6/38

- sign 49.388 $\pm$ 0.014 χ^2 /NDF: 3404997.0/19

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: -0.042 ± 0.035 χ^2/NDF : 3.0/2

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

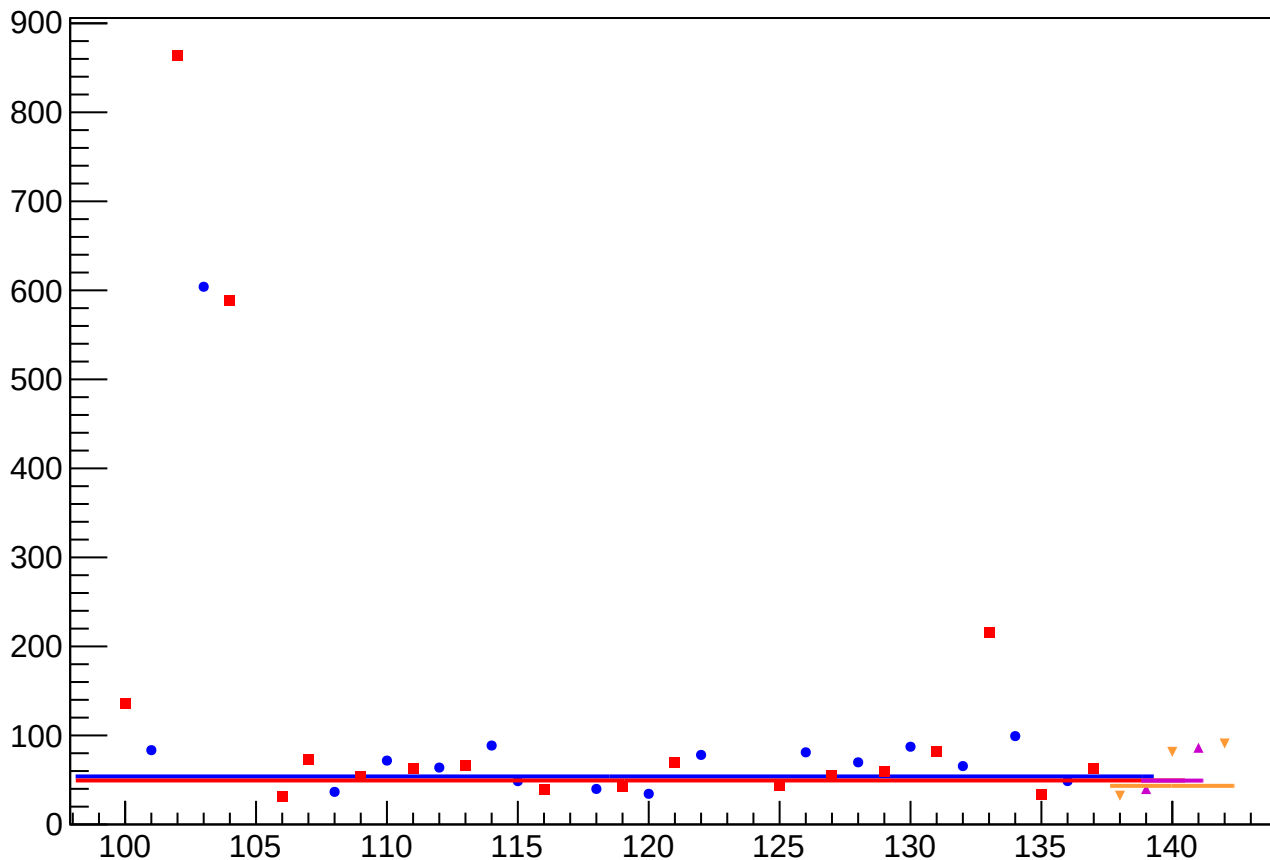
Left In: -0.008 ± 0.042 χ^2/NDF : 0.4/1

+ sign -0.018 ± 0.019 χ^2/NDF : 12.0/18

All: -0.013 ± 0.014 χ^2/NDF : 26.2/38

- sign -0.007 ± 0.020 χ^2/NDF : 14.0/19

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 53.926+/-0.016 χ^2/NDF : 2214348.1/15

Left Out: 43.380+/-0.025 χ^2/NDF : 732486.7/2

Right Out: 49.420+/-0.016 χ^2/NDF : 3017719.3/17

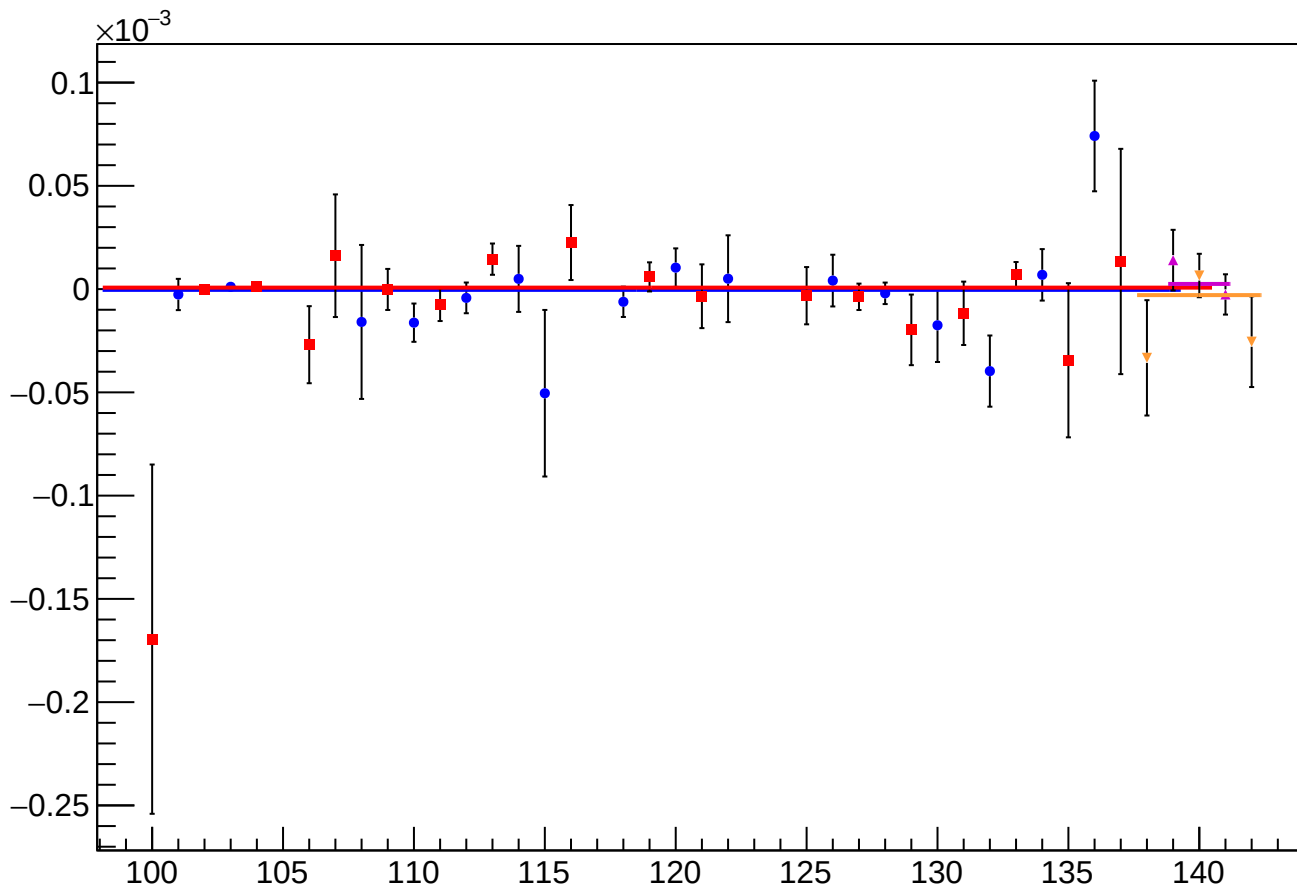
Left In: 49.274+/-0.030 χ^2/NDF : 387259.2/1

+ sign 50.776+/-0.014 χ^2/NDF : 3071253.5/18

All: 50.094+/-0.010 χ^2/NDF : 6481304.6/38

- sign 49.388+/-0.014 χ^2/NDF : 3404997.0/19

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 : 3.1/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 17.8/17

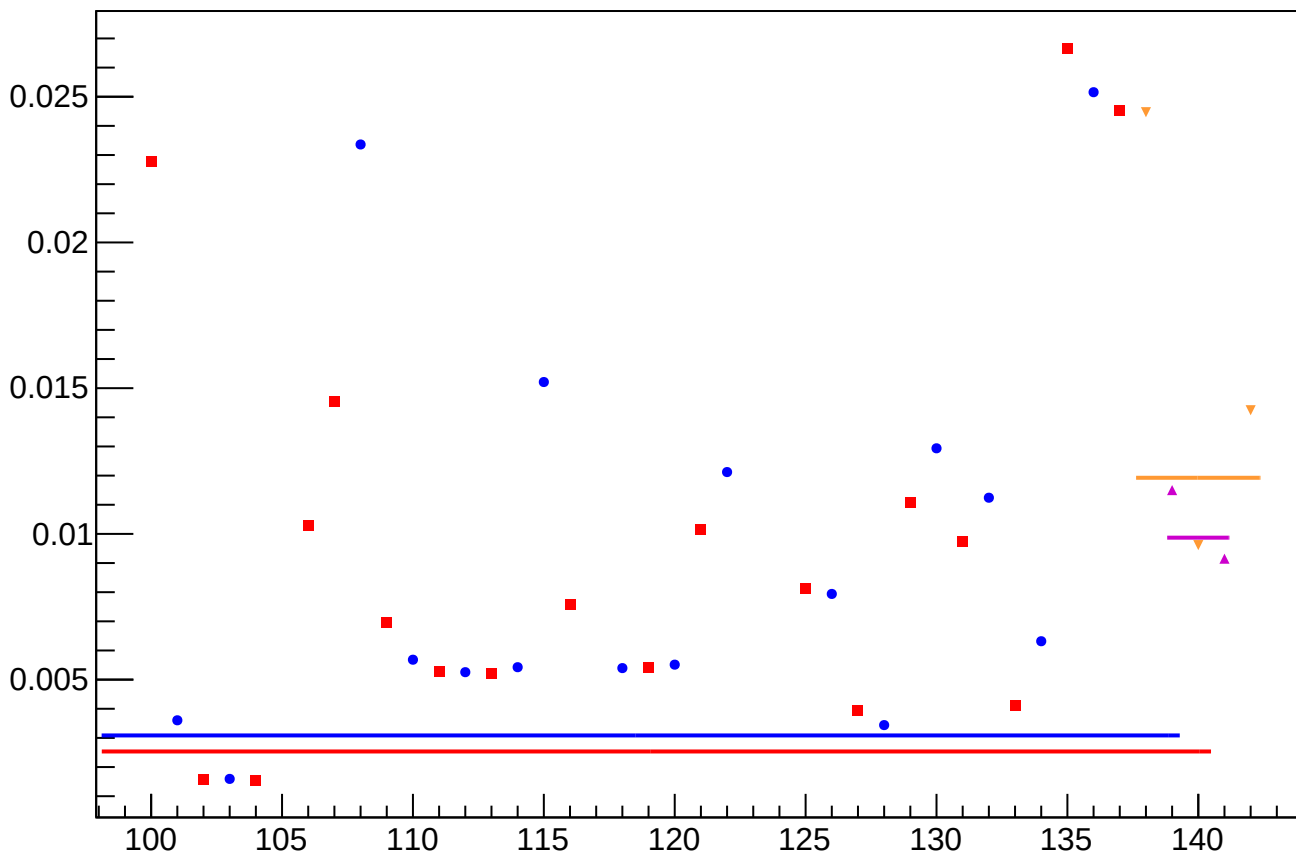
Left In: 0.000 ± 0.000 χ^2/NDF : 0.9/1

+ sign -0.000 ± 0.000 χ^2/NDF : 25.2/18

All: 0.000 ± 0.000 χ^2/NDF : 44.4/38

- sign 0.000 ± 0.000 χ^2/NDF : 18.8/19

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5779108.6/15

Left Out: 0.012+/-0.000 χ^2/NDF : 522331.4/2

Right Out: 0.003+/-0.000 χ^2/NDF : 6237059.6/17

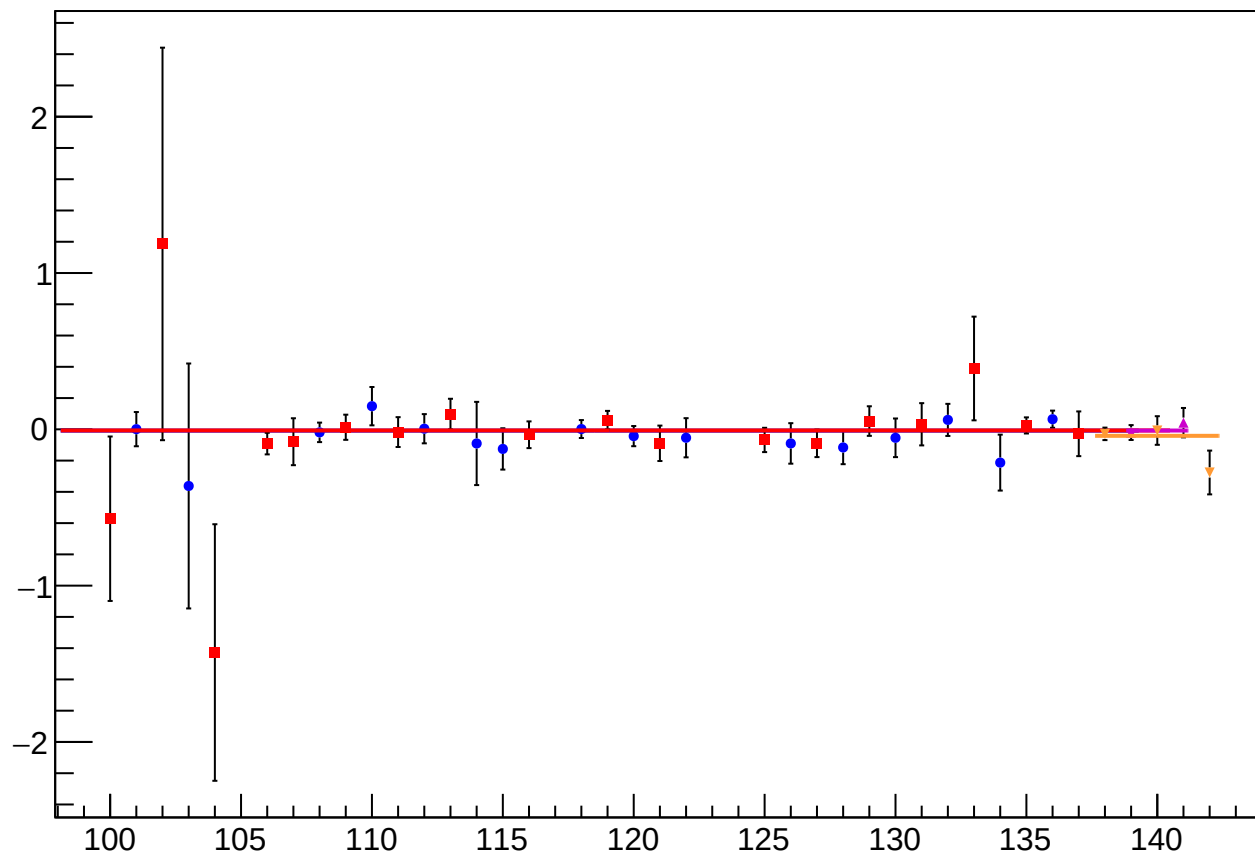
Left In: 0.010+/-0.000 χ^2/NDF : 35630.2/1

+ sign 0.003+/-0.000 χ^2/NDF : 8178285.8/18

All: 0.003+/-0.000 χ^2/NDF : 16250299.2/38

- sign 0.003+/-0.000 χ^2/NDF : 7863852.0/19

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: -0.042 ± 0.035 χ^2/NDF : 3.0/2

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

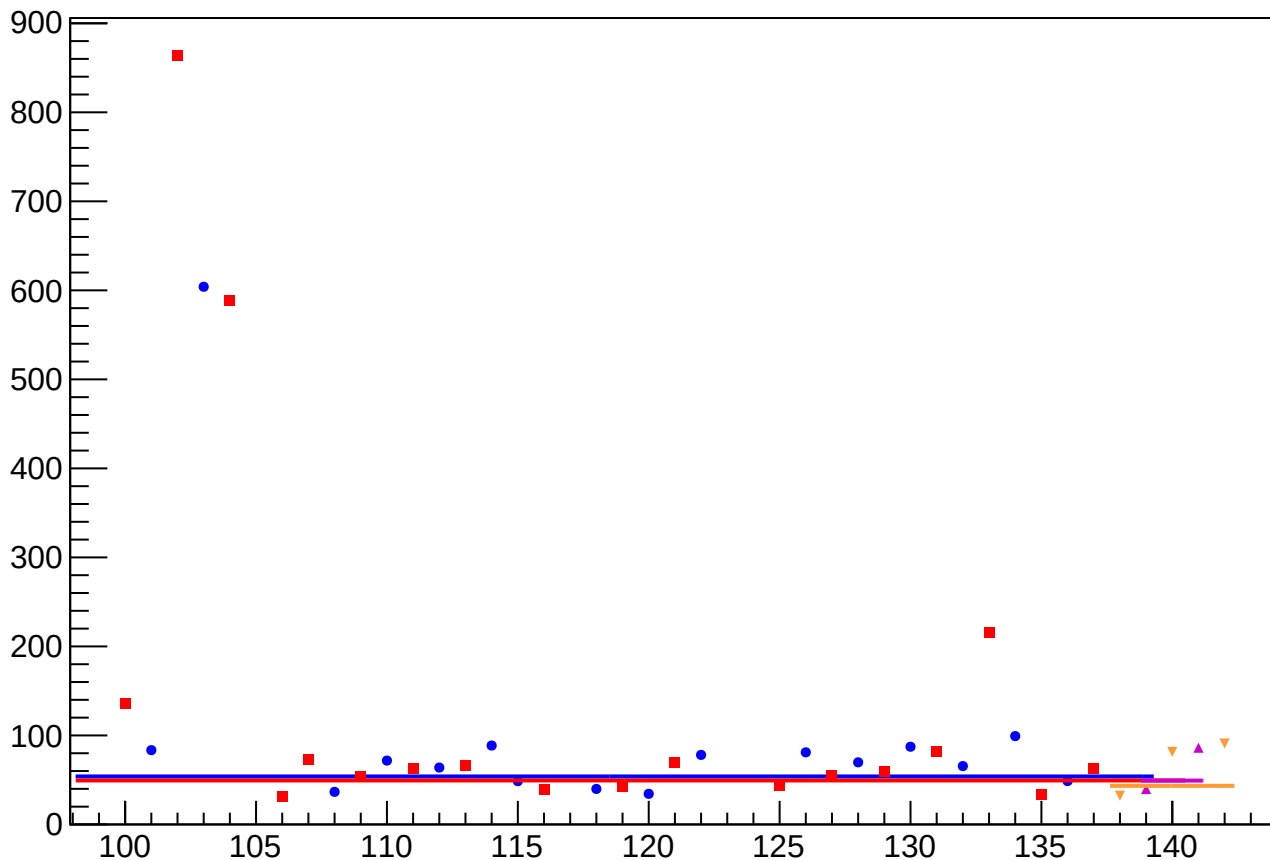
Left In: -0.008 ± 0.042 χ^2/NDF : 0.4/1

+ sign -0.018 ± 0.019 χ^2/NDF : 12.0/18

All: -0.013 ± 0.014 χ^2/NDF : 26.2/38

- sign -0.007 ± 0.020 χ^2/NDF : 14.0/19

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: 43.390 $\pm$ 0.025 χ^2 /NDF: 732331.3/2

Right Out: 49.422 $\pm$ 0.016 χ^2 /NDF: 3017440.2/17

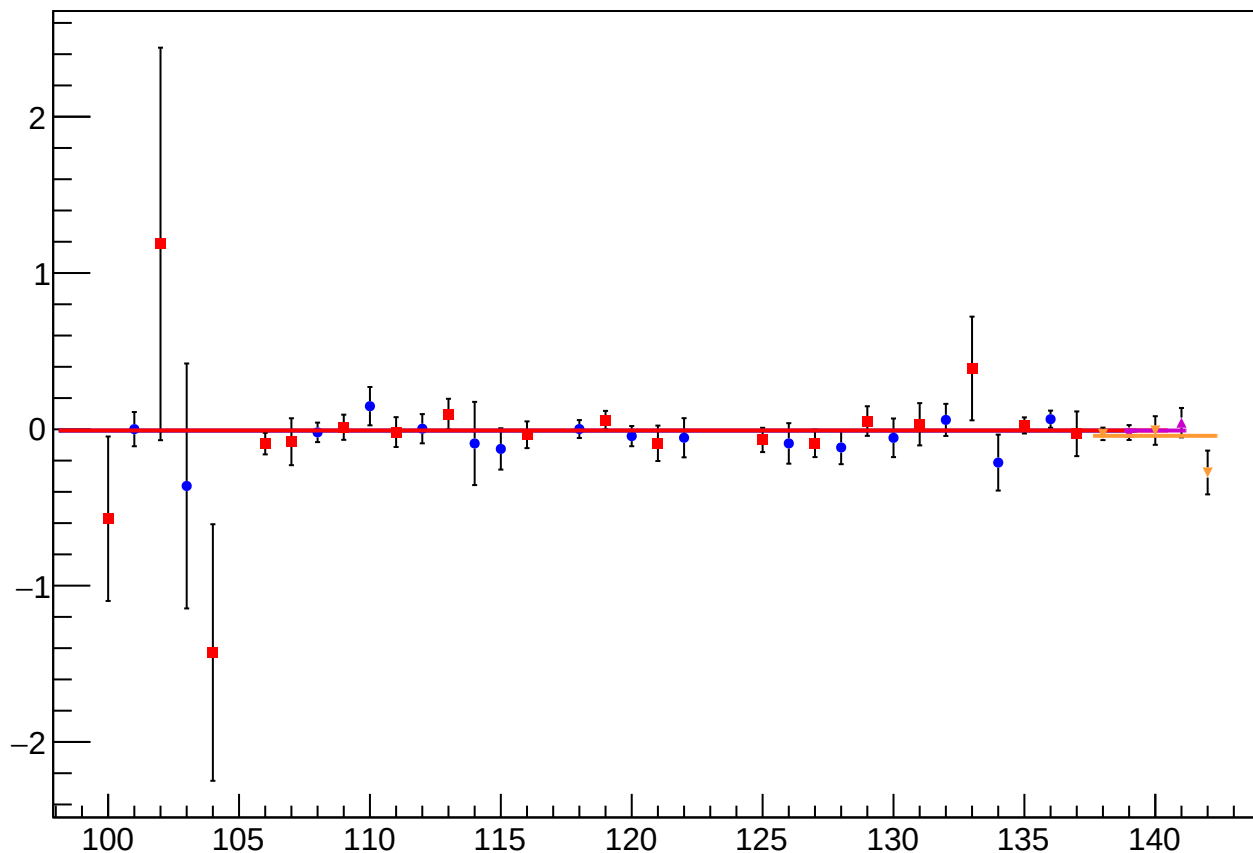
Left In: 49.277 $\pm$ 0.030 χ^2 /NDF: 387286.6/1

+ sign 50.782 $\pm$ 0.014 χ^2 /NDF: 3070514.6/18

All: 50.098 $\pm$ 0.010 χ^2 /NDF: 6480338.8/38

- sign 49.391 $\pm$ 0.014 χ^2 /NDF: 3404745.1/19

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: -0.042 ± 0.035 χ^2/NDF : 3.0/2

Right Out: -0.007 ± 0.022 χ^2/NDF : 13.7/17

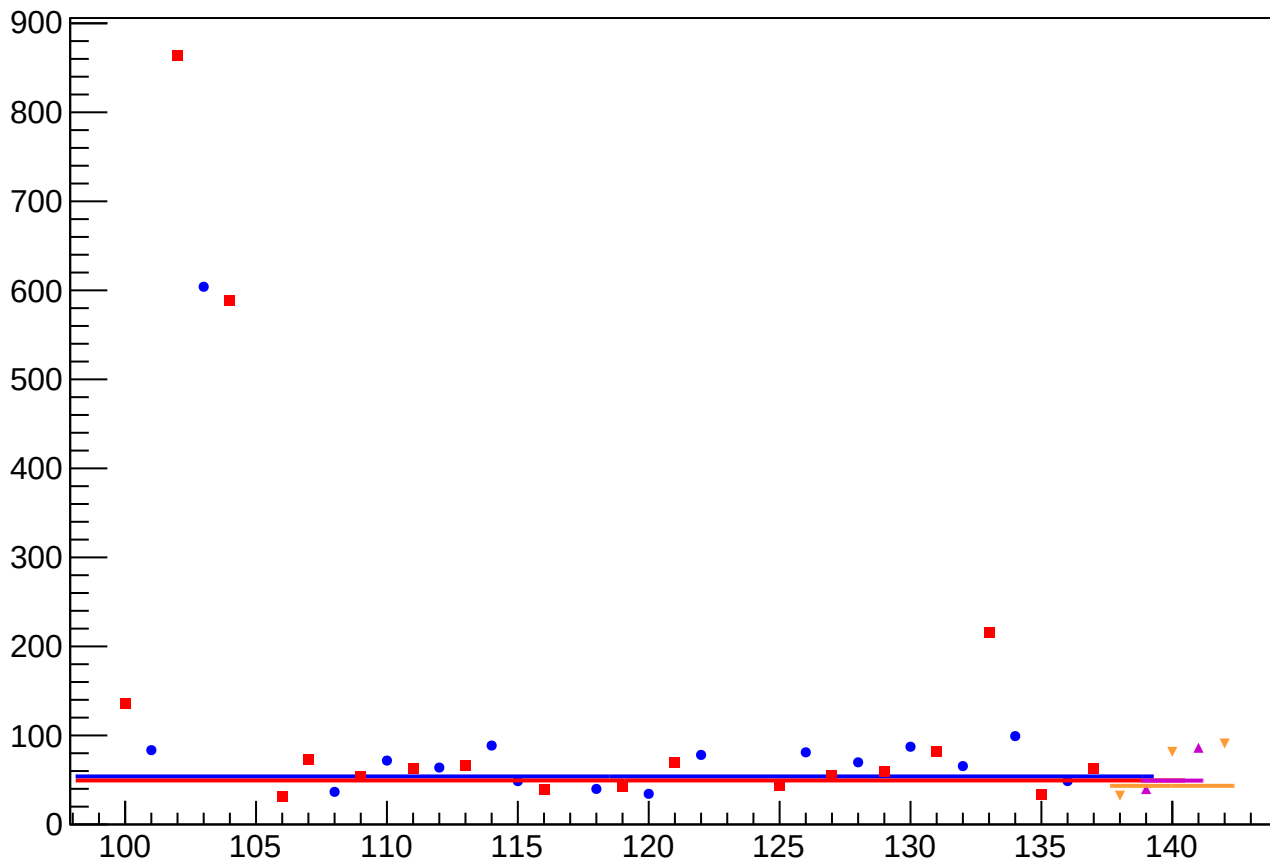
Left In: -0.008 ± 0.042 χ^2/NDF : 0.4/1

+ sign -0.018 ± 0.019 χ^2/NDF : 12.0/18

All: -0.013 ± 0.014 χ^2/NDF : 26.2/38

- sign -0.007 ± 0.020 χ^2/NDF : 14.0/19

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: 43.390+/-0.025 χ^2/NDF : 732331.3/2

Right Out: 49.422+/-0.016 χ^2/NDF : 3017440.2/17

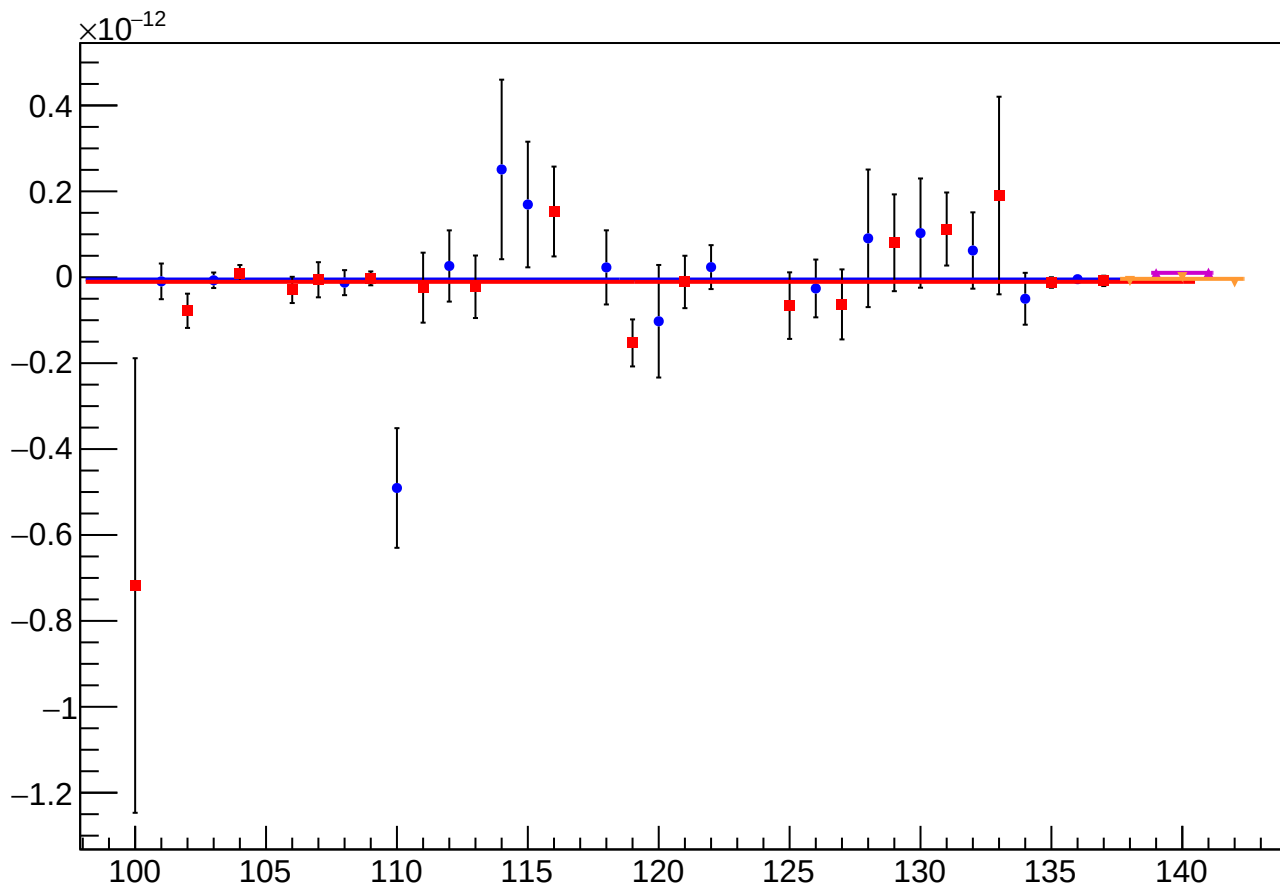
Left In: 49.277+/-0.030 χ^2/NDF : 387286.6/1

+ sign 50.782+/-0.014 χ^2/NDF : 3070514.6/18

All: 50.098+/-0.010 χ^2/NDF : 6480338.8/38

- sign 49.391+/-0.014 χ^2/NDF : 3404745.1/19

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 : 2.0/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.1/17

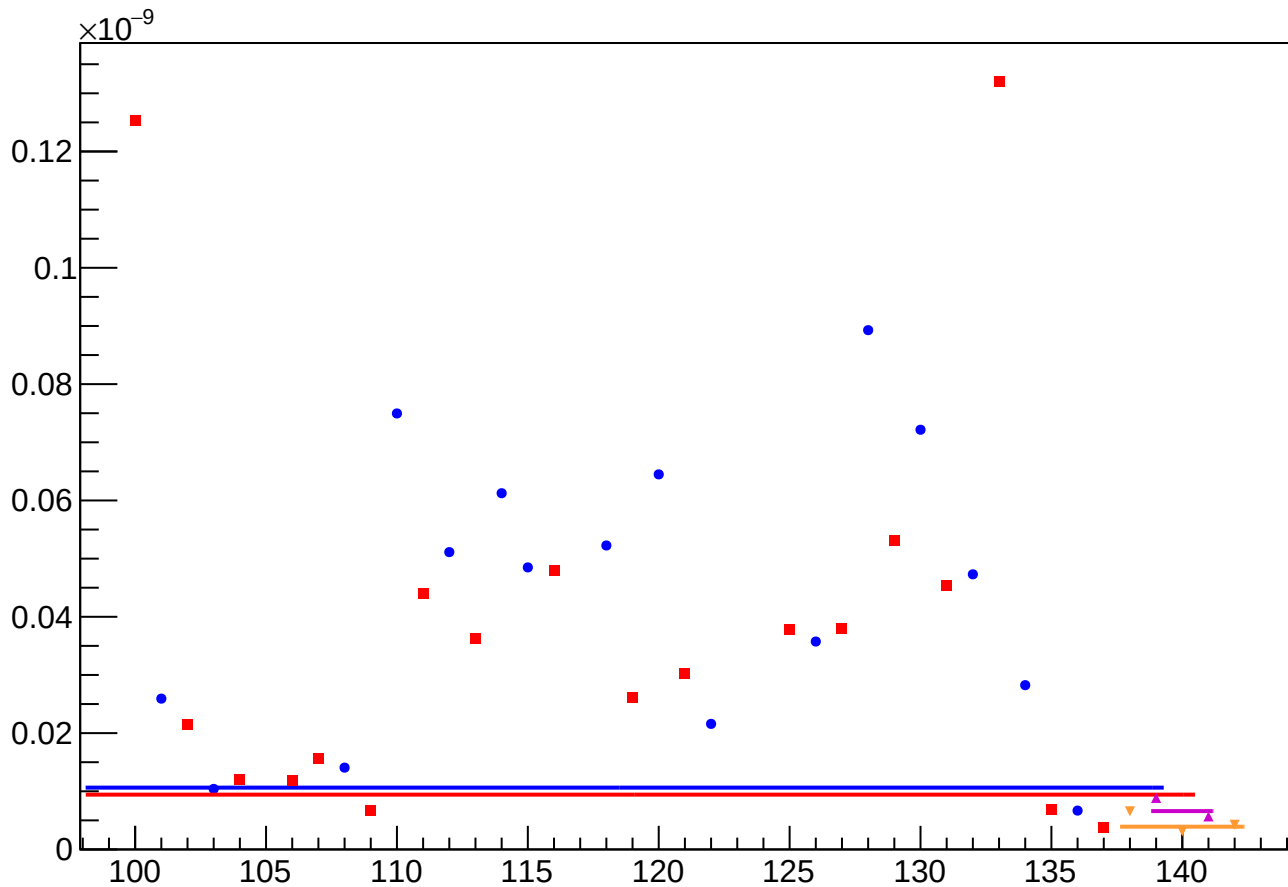
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 20.7/18

All: -0.000 ± 0.000 χ^2/NDF : 47.1/38

- sign 0.000 ± 0.000 χ^2/NDF : 25.7/19

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 : 235101.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 4029424.5/17

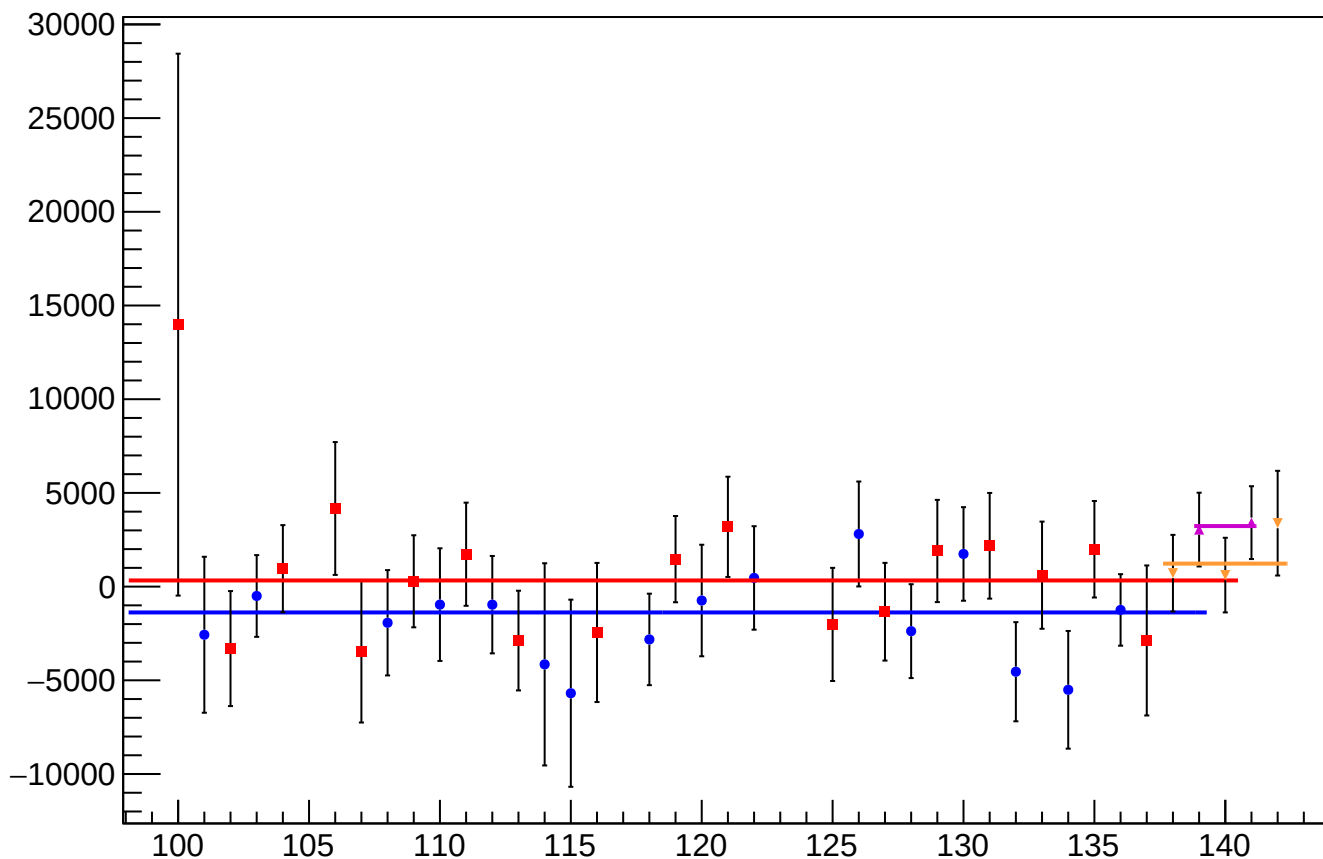
Left In: 0.000+/-0.000 χ^2/NDF : 115022.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 6290627.9/18

All: 0.000+/-0.000 χ^2/NDF : 11058544.3/38

- sign 0.000+/-0.000 χ^2/NDF : 4350306.7/19

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758 ± 689.030 χ^2/NDF : 9.3/15

Left Out: 1226.601 ± 1270.680 χ^2/NDF : 0.8/2

Right Out: 328.770 ± 683.888 χ^2/NDF : 11.0/17

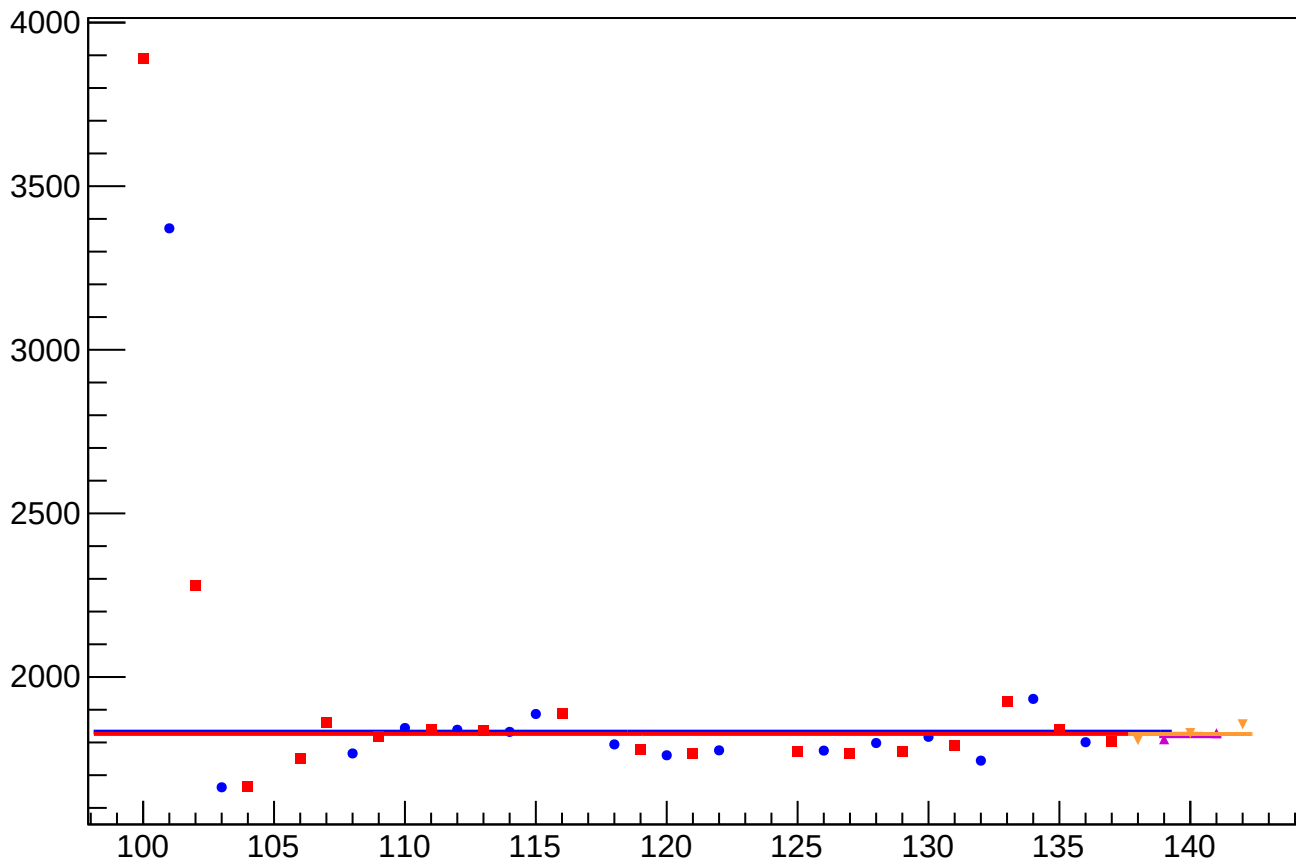
Left In: 3230.694 ± 1382.489 χ^2/NDF : 0.0/1

+ sign -786.755 ± 605.710 χ^2/NDF : 13.3/18

All: 46.196 ± 430.851 χ^2/NDF : 31.7/38

- sign 899.283 ± 612.987 χ^2/NDF : 14.6/19

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: 1825.868 $\pm$ 0.899 χ^2 /NDF:395.4/2

Right Out: 1826.208 $\pm$ 0.484 χ^2 /NDF: 103006.6/17

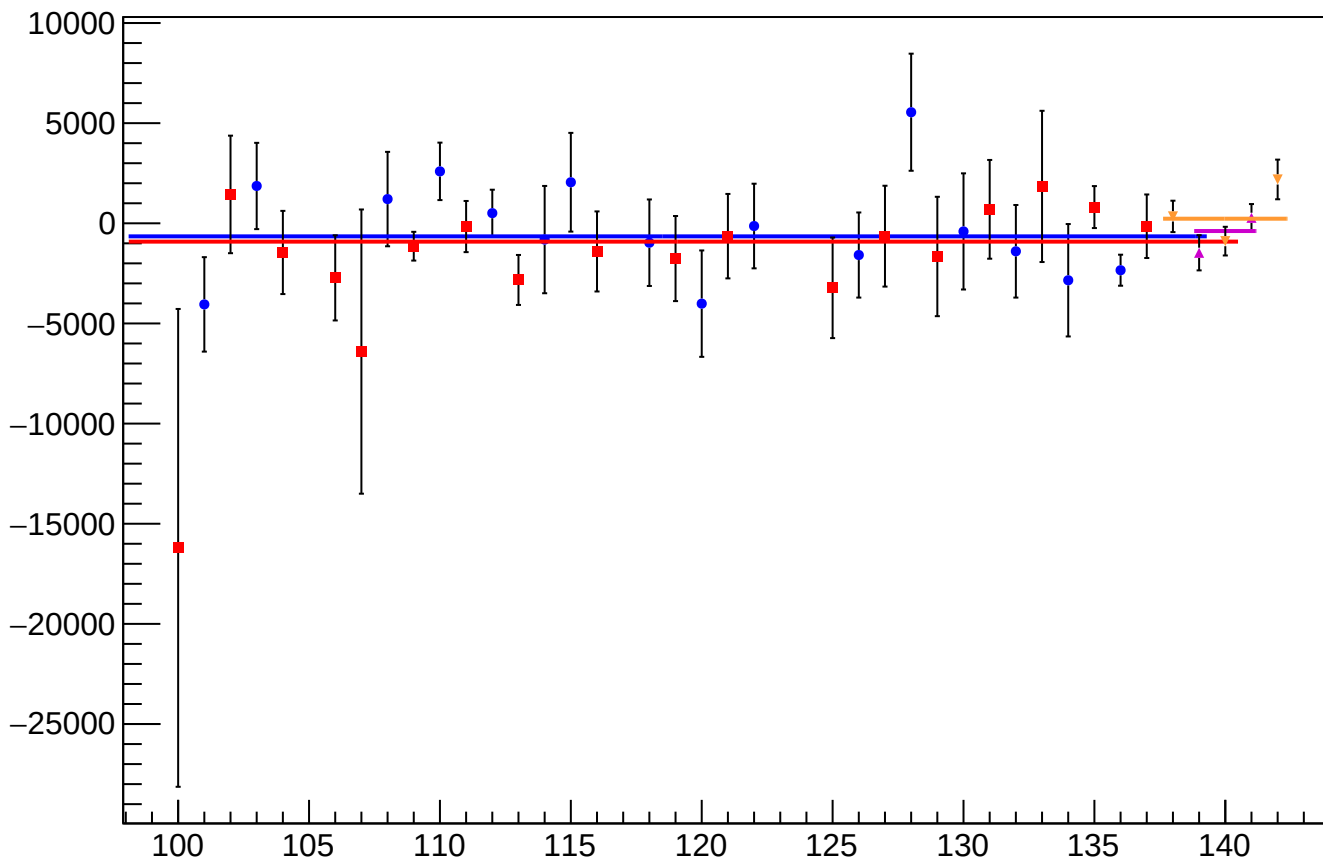
Left In: 1819.180 $\pm$ 0.978 χ^2 /NDF:88.5/1

+ sign 1831.338 $\pm$ 0.428 χ^2 /NDF: 295882.7/18

All: 1828.121 $\pm$ 0.305 χ^2 /NDF: 399133.5/38

- sign 1824.826 $\pm$ 0.433 χ^2 /NDF: 103136.6/19

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: 229.626+/-466.283 χ^2/NDF : 6.4/2

Right Out: -914.717+/-393.421 χ^2/NDF : 11.5/17

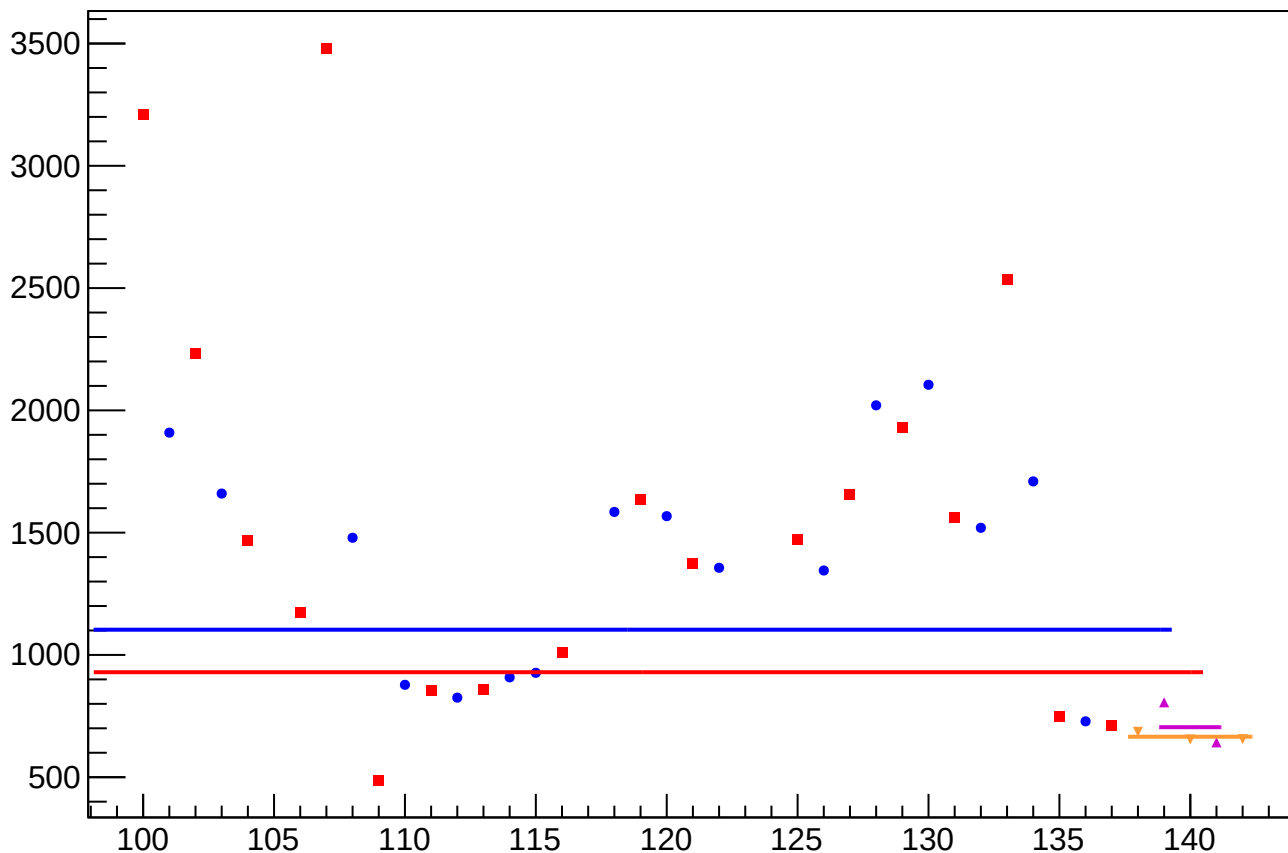
Left In: -385.724+/-540.884 χ^2/NDF : 2.5/1

+ sign -234.577+/-320.834 χ^2/NDF : 31.5/18

All: -485.210+/-225.912 χ^2/NDF : 47.3/38

- sign -731.683+/-318.160 χ^2/NDF : 14.6/19

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: 665.597+/-0.330 χ^2/NDF : 1993.3/2

Right Out: 929.356+/-0.278 χ^2/NDF : 3054092.4/17

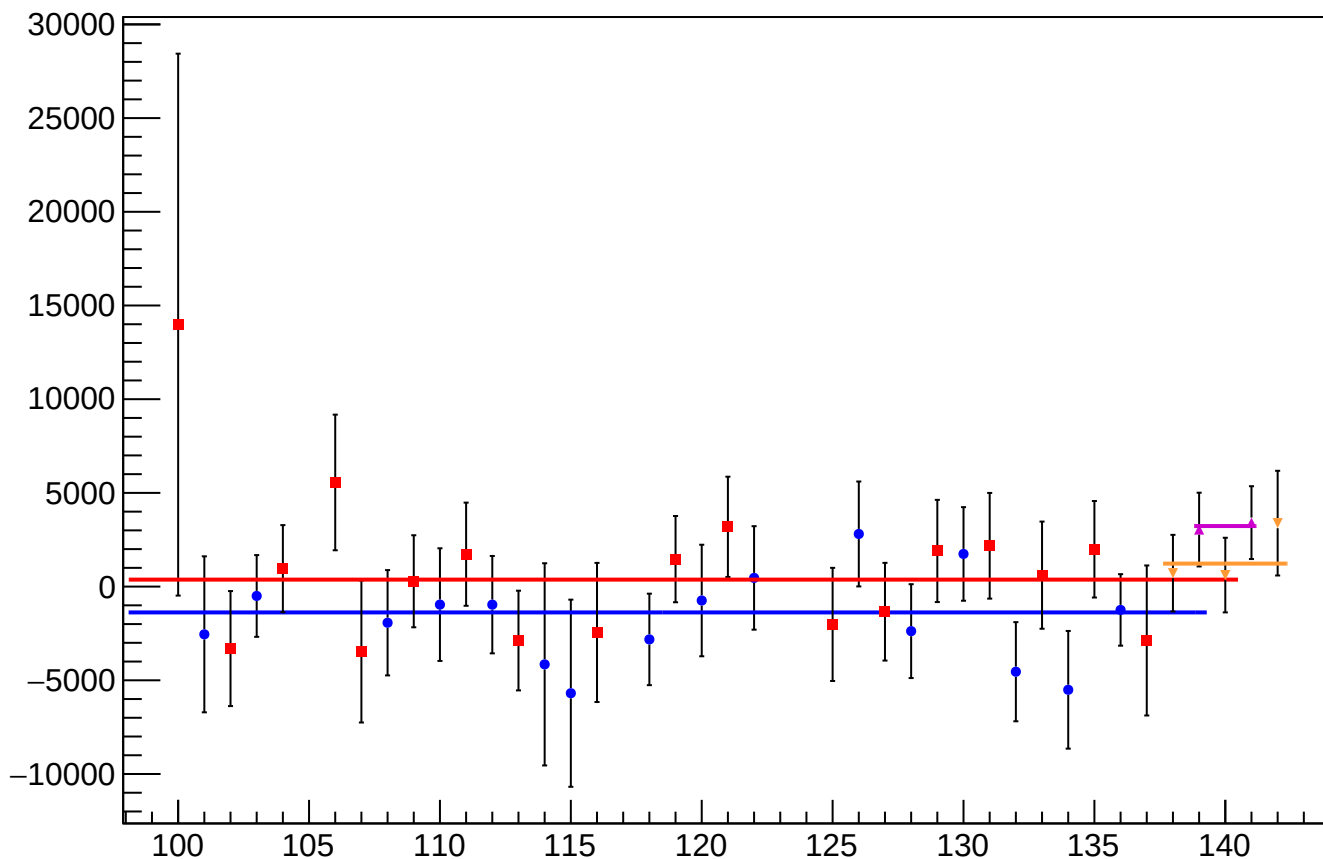
Left In: 704.510+/-0.382 χ^2/NDF : 43042.9/1

+ sign 896.014+/-0.227 χ^2/NDF : 2807661.3/18

All: 873.600+/-0.160 χ^2/NDF : 6150188.1/38

- sign 851.559+/-0.225 χ^2/NDF : 3323166.7/19

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF : 9.3/15

Left Out: 1226.873+/-1270.680 χ^2/NDF : 0.8/2

Right Out: 372.534+/-684.408 χ^2/NDF : 12.0/17

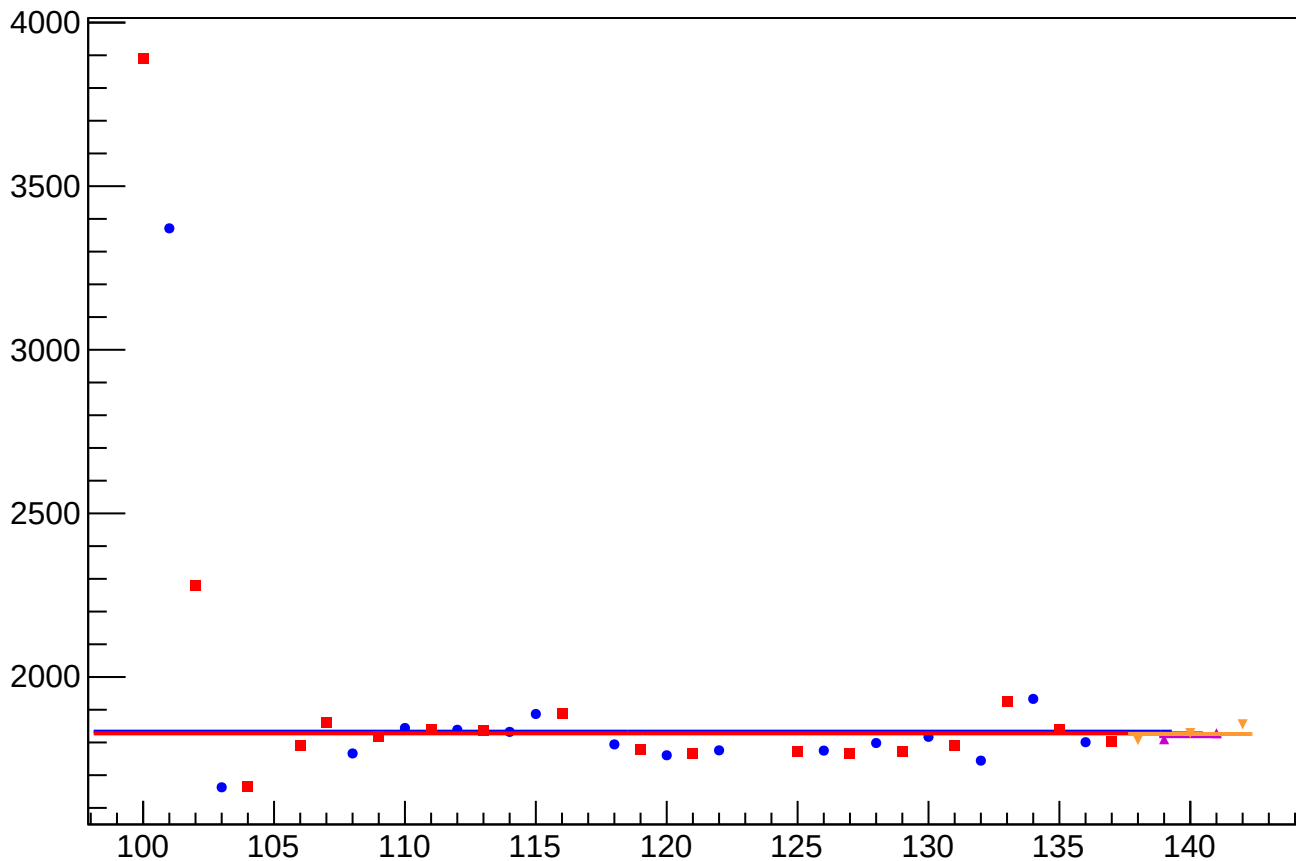
Left In: 3230.873+/-1382.489 χ^2/NDF : 0.0/1

+ sign -786.210+/-605.710 χ^2/NDF : 13.3/18

All: 63.673+/-430.981 χ^2/NDF : 32.7/38

- sign 935.165+/-613.362 χ^2/NDF : 15.4/19

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF : 295441.2/15

Left Out: 1825.868+/-0.899 χ^2/NDF : 395.4/2

Right Out: 1827.785+/-0.484 χ^2/NDF : 102270.3/17

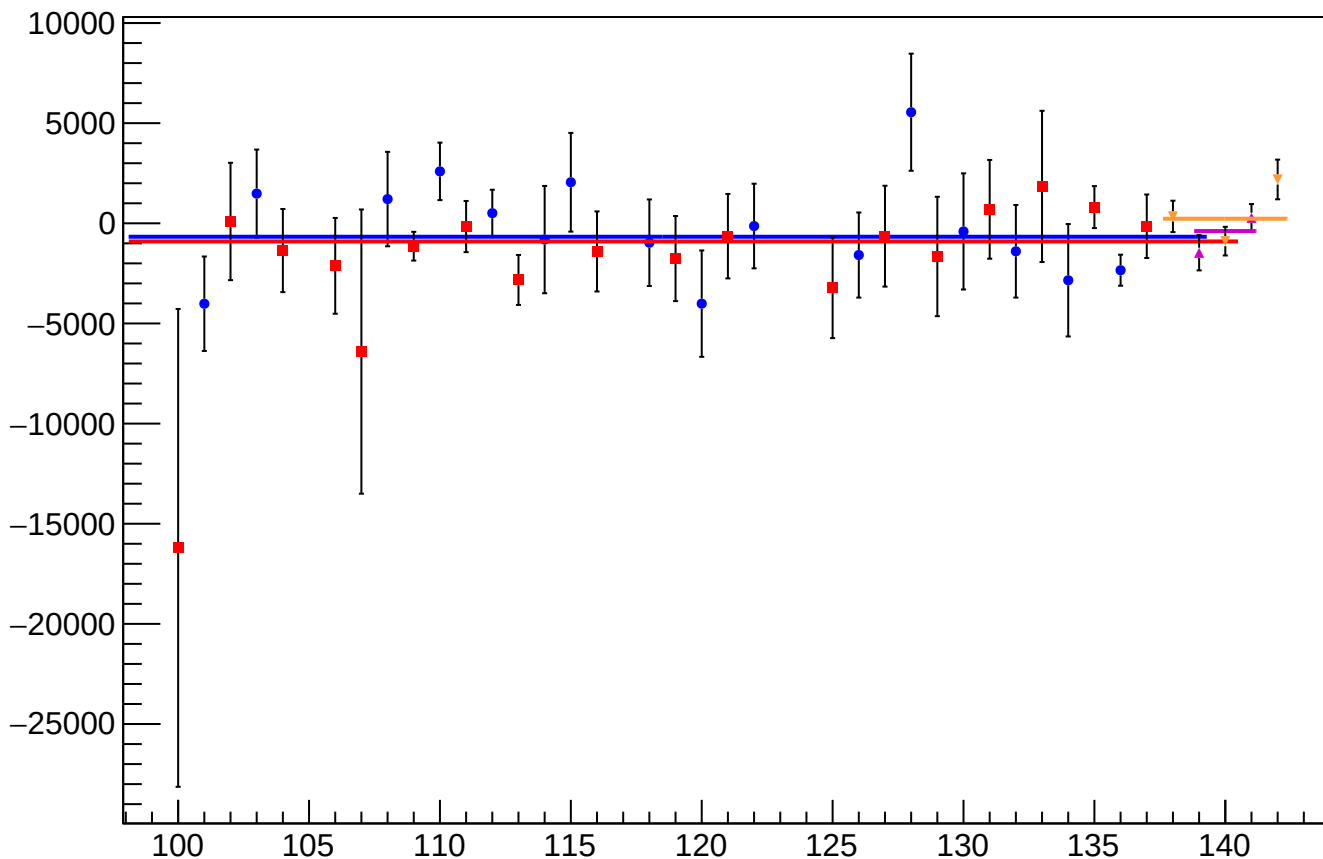
Left In: 1819.180+/-0.978 χ^2/NDF : 88.5/1

+ sign 1831.338+/-0.428 χ^2/NDF : 295884.6/18

All: 1828.748+/-0.305 χ^2/NDF : 398379.7/38

- sign 1826.091+/-0.434 χ^2/NDF : 102421.1/19

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: 229.543+/-466.288 χ^2/NDF : 6.4/2

Right Out: -905.874+/-394.814 χ^2/NDF : 10.5/17

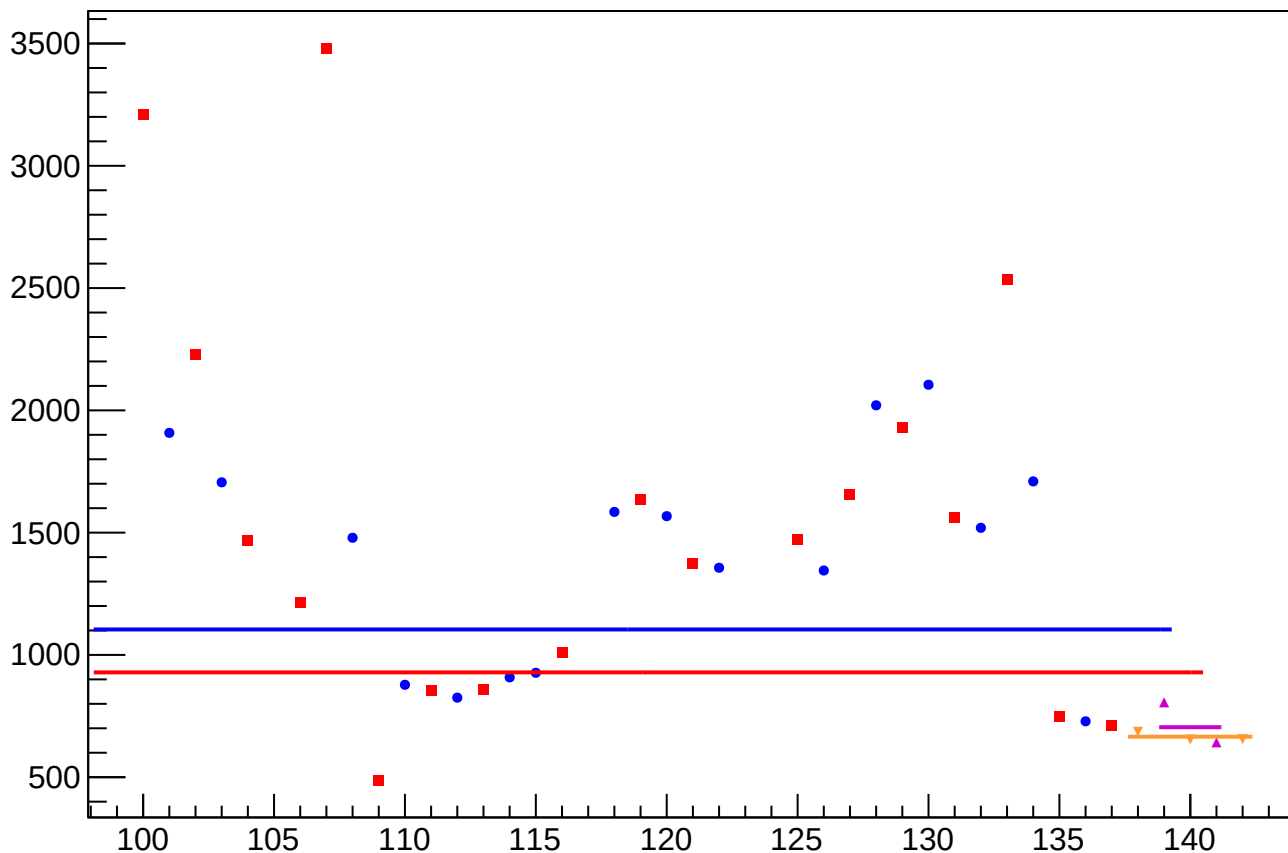
Left In: -385.782+/-540.878 χ^2/NDF : 2.4/1

+ sign -244.037+/-320.977 χ^2/NDF : 31.1/18

All: -486.127+/-226.225 χ^2/NDF : 45.8/38

- sign -725.084+/-318.894 χ^2/NDF : 13.6/19

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: 665.607+/-0.330 χ^2/NDF : 1990.5/2

Right Out: 928.629+/-0.279 χ^2/NDF : 3054381.5/17

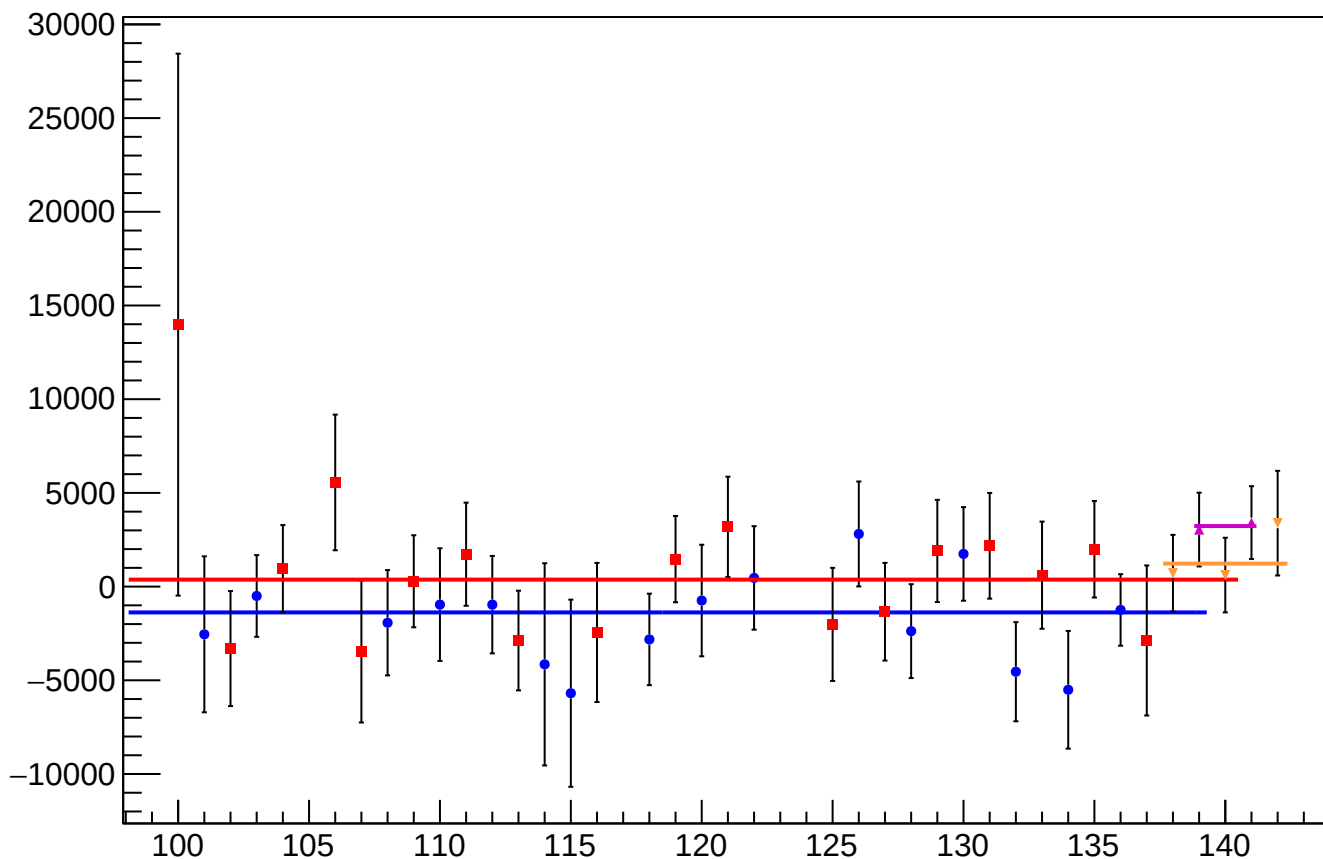
Left In: 704.500+/-0.382 χ^2/NDF : 43057.4/1

+ sign 896.322+/-0.227 χ^2/NDF : 2827073.3/18

All: 873.372+/-0.160 χ^2/NDF : 6168873.5/38

- sign 850.719+/-0.225 χ^2/NDF : 3321483.1/19

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: 1226.873+/-1270.680 χ^2/NDF : 0.8/2

Right Out: 372.534+/-684.408 χ^2/NDF : 12.0/17

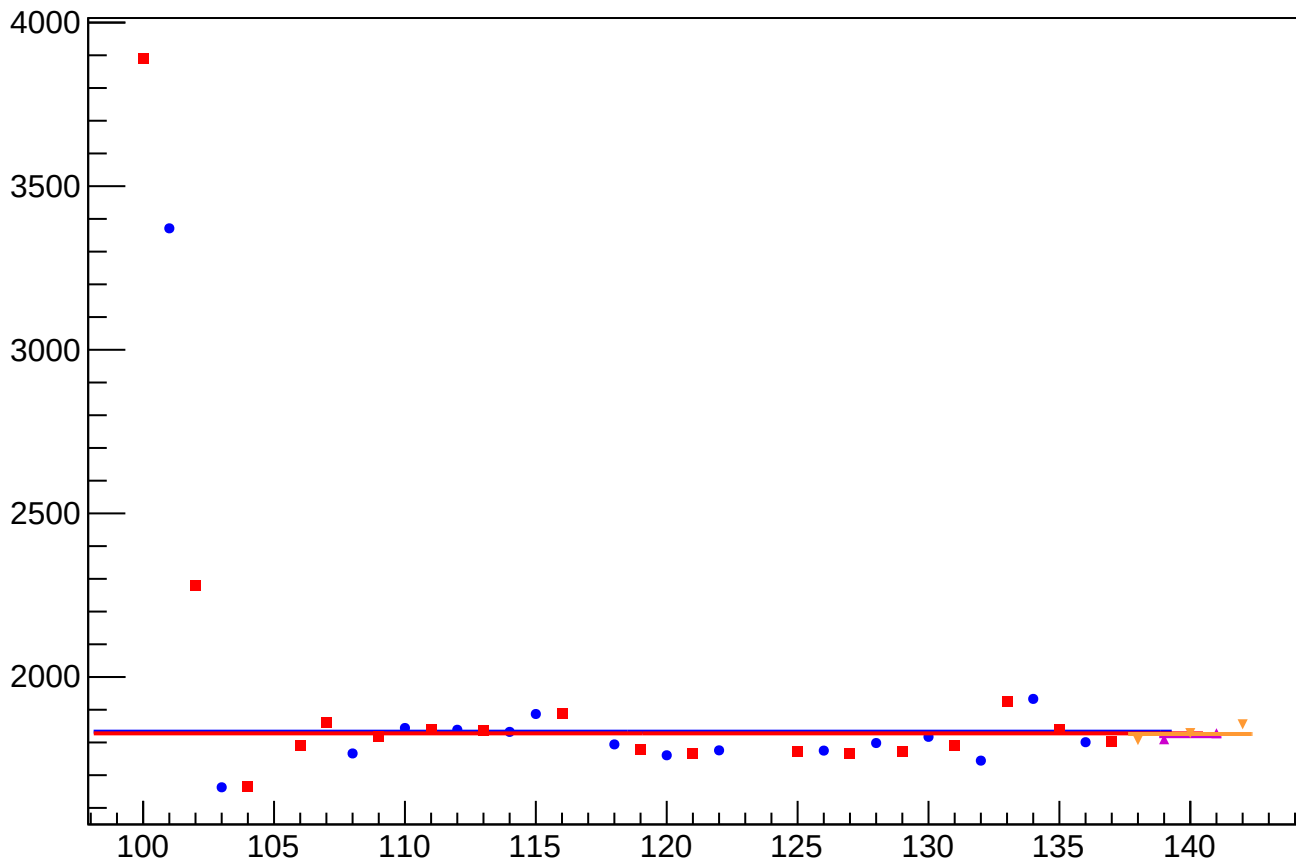
Left In: 3230.873+/-1382.489 χ^2/NDF : 0.0/1

+ sign -786.210+/-605.710 χ^2/NDF : 13.3/18

All: 63.673+/-430.981 χ^2/NDF : 32.7/38

- sign 935.165+/-613.362 χ^2/NDF : 15.4/19

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: 1825.868 $\pm$ 0.899 χ^2 /NDF:395.4/2

Right Out: 1827.785 $\pm$ 0.484 χ^2 /NDF: 102270.3/17

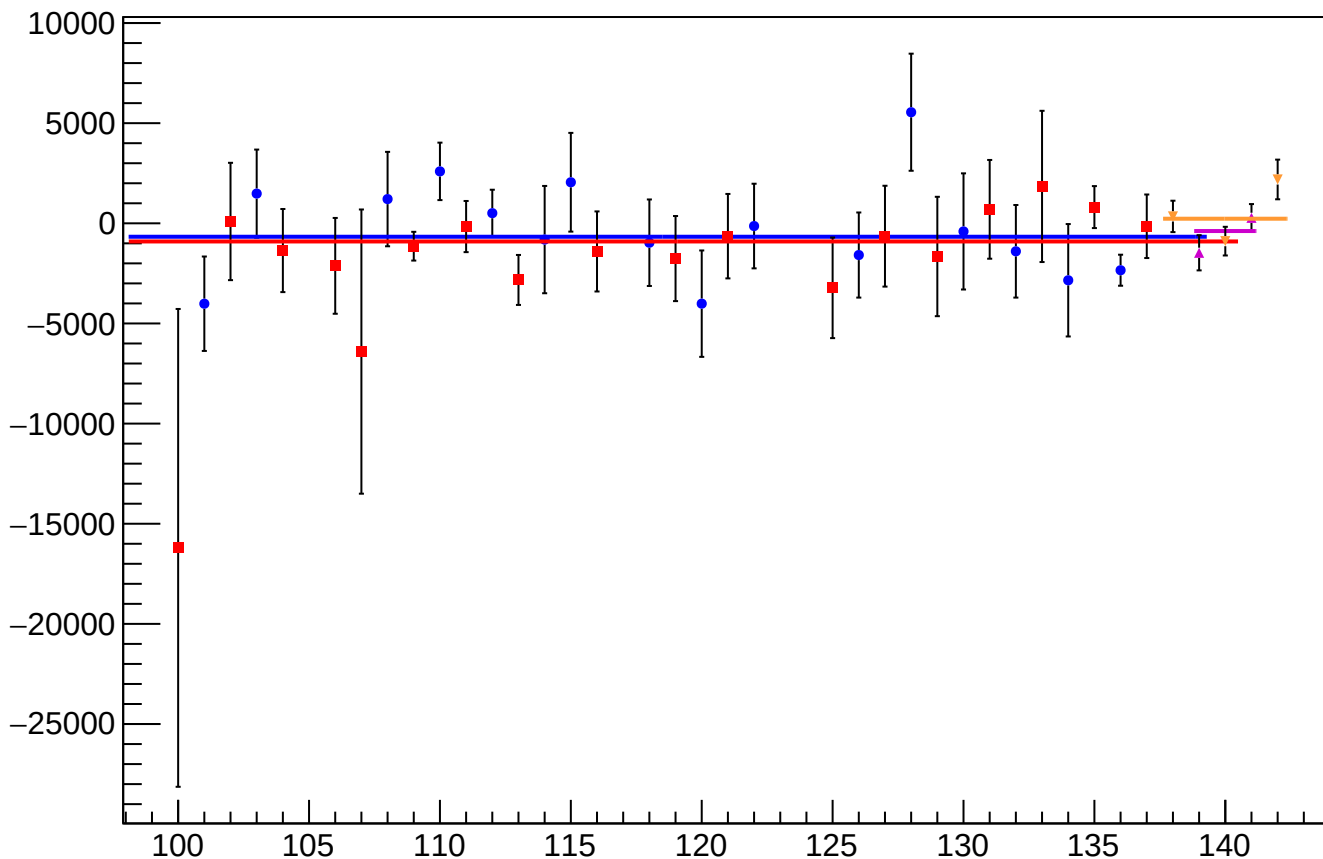
Left In: 1819.180 $\pm$ 0.978 χ^2 /NDF:88.5/1

+ sign 1831.338 $\pm$ 0.428 χ^2 /NDF: 295884.6/18

All: 1828.748 $\pm$ 0.305 χ^2 /NDF: 398379.7/38

- sign 1826.091 $\pm$ 0.434 χ^2 /NDF: 102421.1/19

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: 229.543+/-466.288 χ^2/NDF : 6.4/2

Right Out: -905.874+/-394.814 χ^2/NDF : 10.5/17

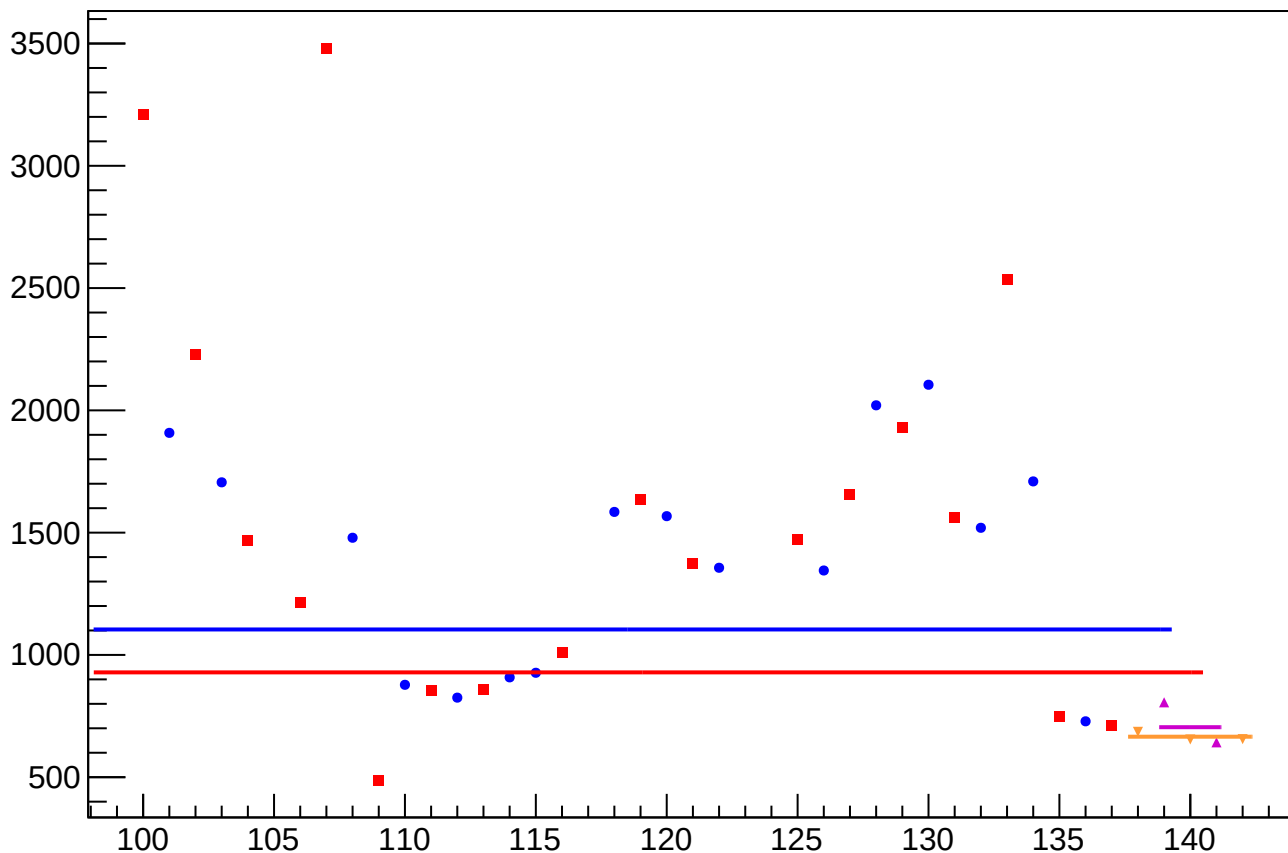
Left In: -385.782+/-540.878 χ^2/NDF : 2.4/1

+ sign -244.037+/-320.977 χ^2/NDF : 31.1/18

All: -486.127+/-226.225 χ^2/NDF : 45.8/38

- sign -725.084+/-318.894 χ^2/NDF : 13.6/19

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: 665.607+/-0.330 χ^2/NDF : 1990.5/2

Right Out: 928.629+/-0.279 χ^2/NDF : 3054381.5/17

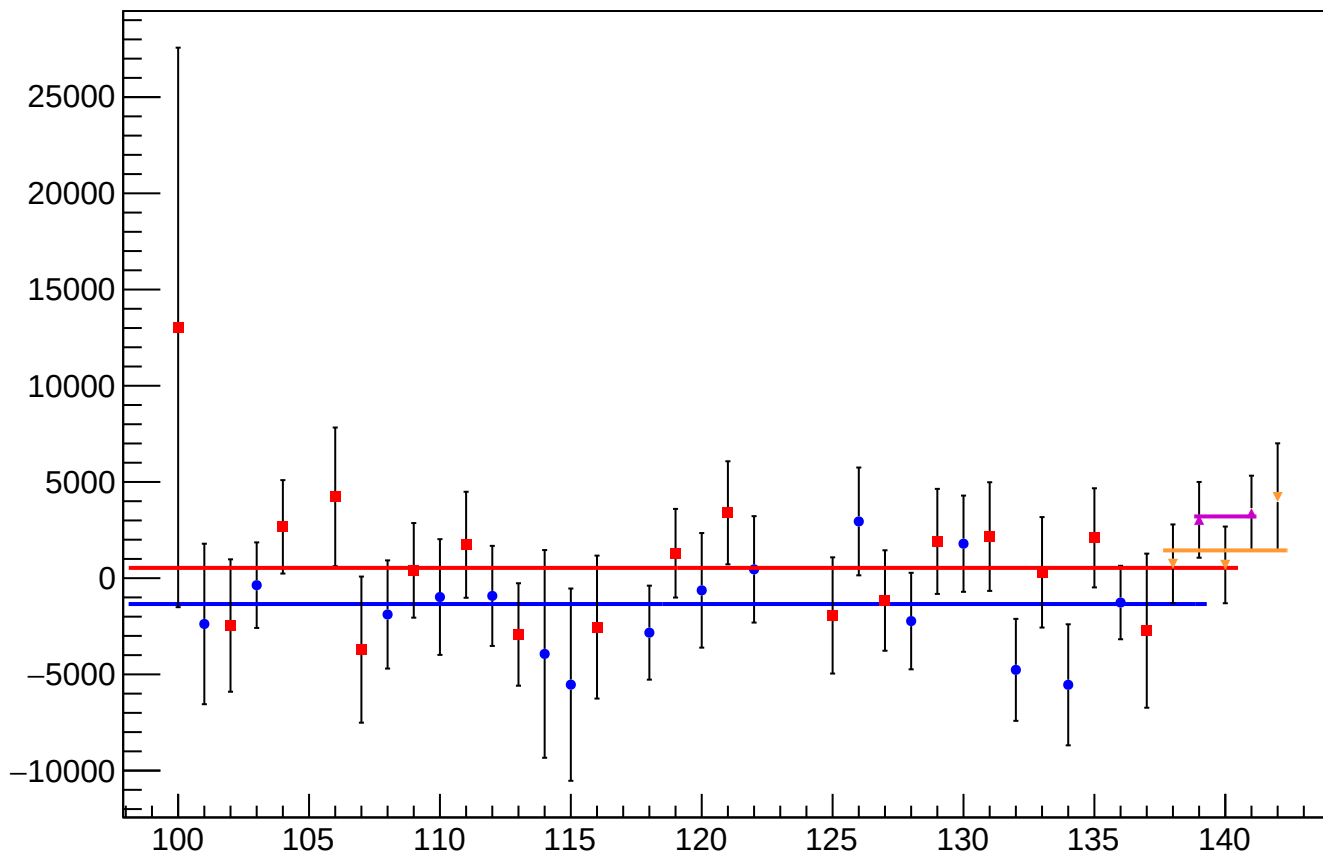
Left In: 704.500+/-0.382 χ^2/NDF : 43057.4/1

+ sign 896.322+/-0.227 χ^2/NDF : 2827073.3/18

All: 873.372+/-0.160 χ^2/NDF : 6168873.5/38

- sign 850.719+/-0.225 χ^2/NDF : 3321483.1/19

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: 1443.606 $\pm$ 1271.200 χ^2 /NDF:1.2/2

Right Out: 534.194 $\pm$ 690.970 χ^2 /NDF: 11.1/17

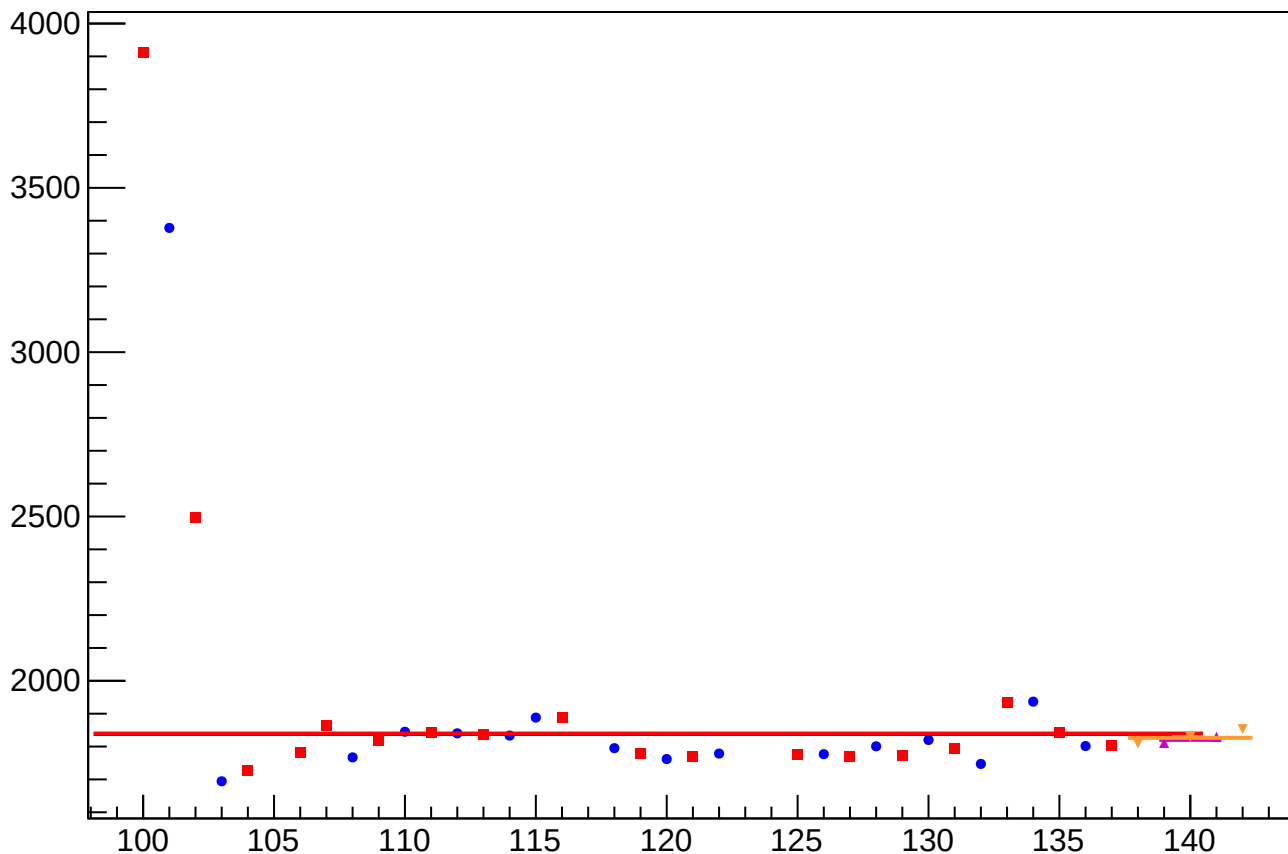
Left In: 3208.997 $\pm$ 1383.435 χ^2 /NDF:0.0/1

+ sign -708.235 $\pm$ 607.063 χ^2 /NDF: 14.6/18

All: 163.914 $\pm$ 433.127 χ^2 /NDF: 32.9/38

- sign 1068.230 $\pm$ 618.156 χ^2 /NDF: 14.1/19

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF : 291984.0/15

Left Out: 1826.553+/-0.899 χ^2/NDF : 334.3/2

Right Out: 1839.517+/-0.489 χ^2/NDF : 128253.5/17

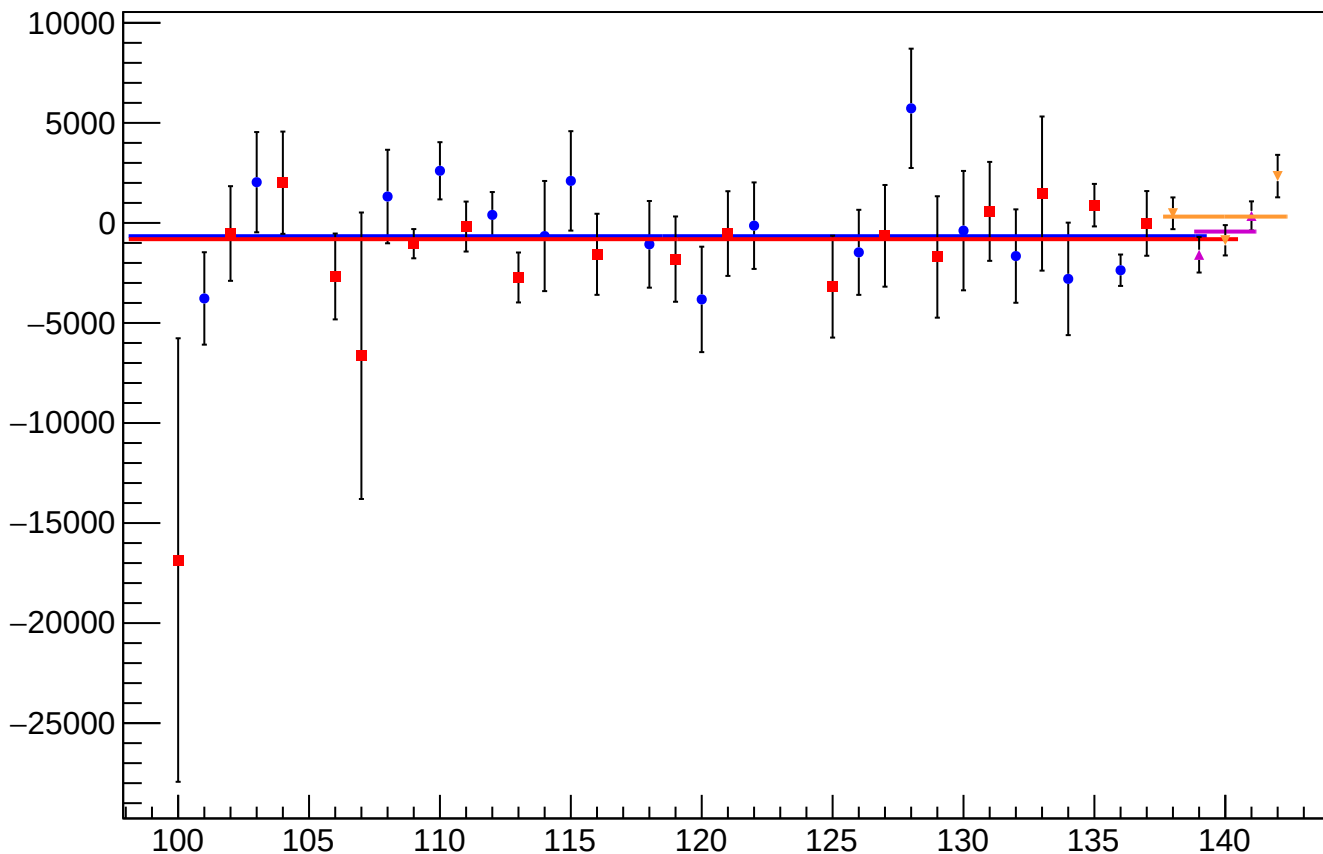
Left In: 1820.419+/-0.978 χ^2/NDF : 87.7/1

+ sign 1835.512+/-0.429 χ^2/NDF : 292447.0/18

All: 1835.606+/-0.306 χ^2/NDF : 421093.5/38

- sign 1835.704+/-0.437 χ^2/NDF : 128646.4/19

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: 315.994+/-486.843 χ^2/NDF : 6.1/2

Right Out: -812.187+/-397.187 χ^2/NDF : 12.2/17

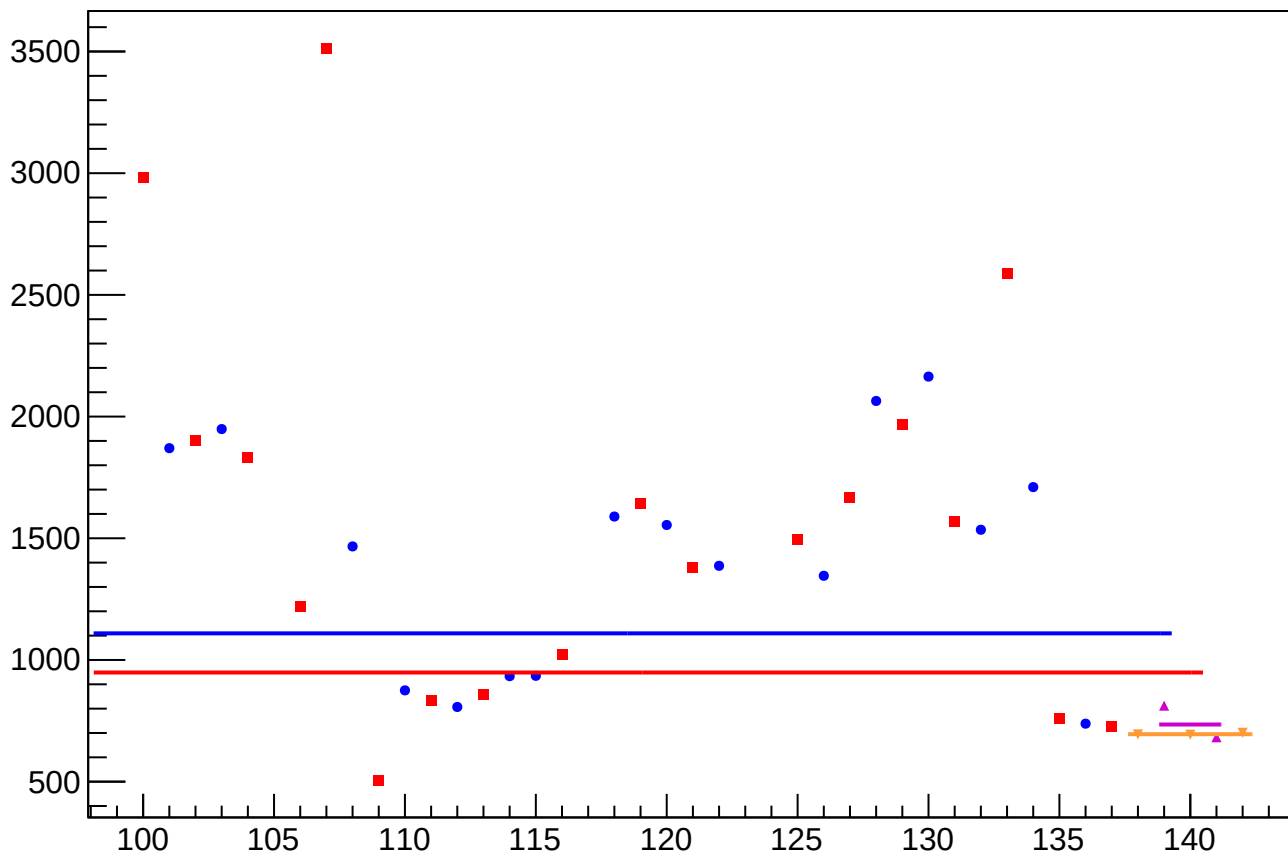
Left In: -432.033+/-562.705 χ^2/NDF : 2.9/1

+ sign -216.656+/-328.824 χ^2/NDF : 31.1/18

All: -454.322+/-230.967 χ^2/NDF : 47.5/38

- sign -685.769+/-324.493 χ^2/NDF : 15.4/19

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: 695.001 $\pm$ 0.344 χ^2 /NDF: 79.9/2

Right Out: 948.438 $\pm$ 0.281 χ^2 /NDF: 3053670.4/17

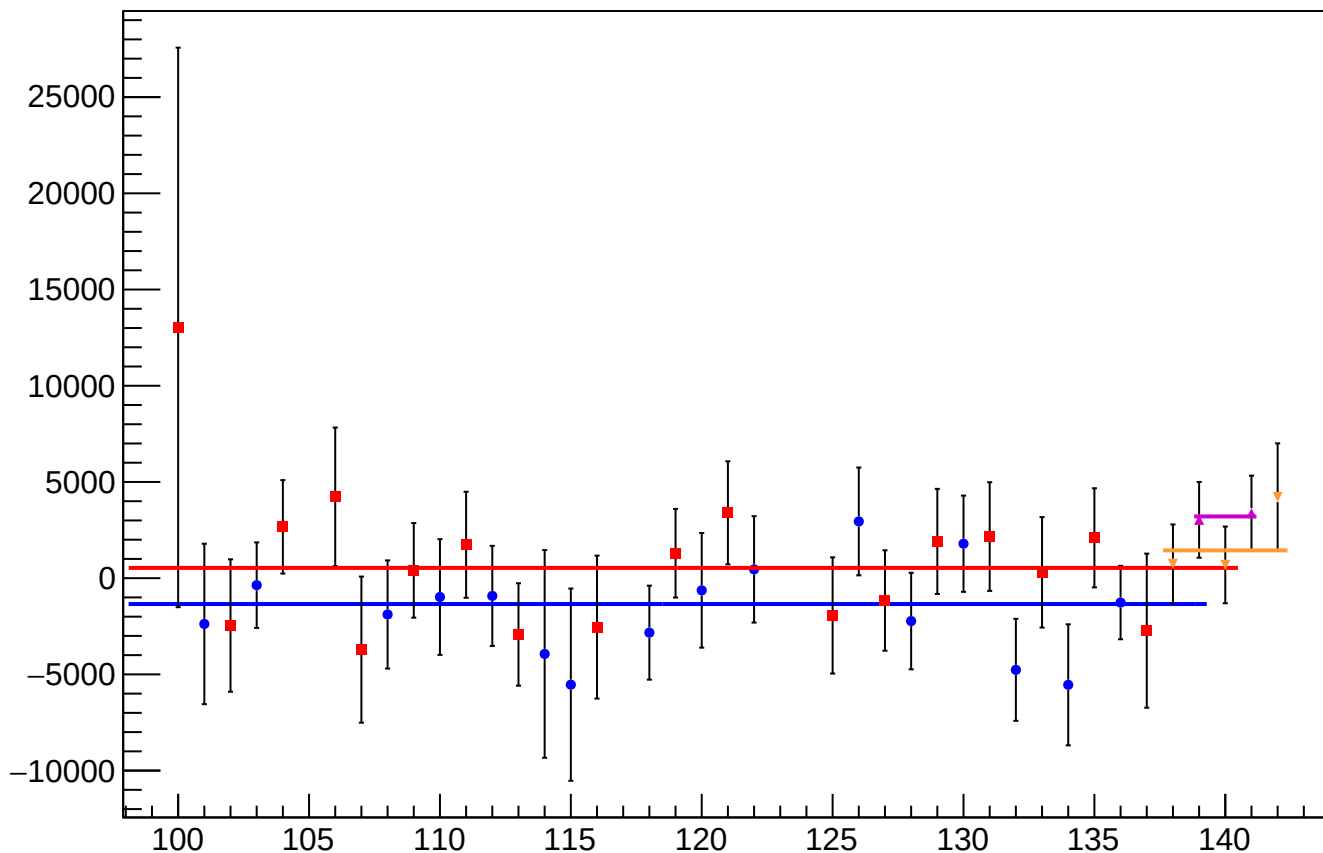
Left In: 734.858 $\pm$ 0.398 χ^2 /NDF: 25592.2/1

+ sign 920.333 $\pm$ 0.233 χ^2 /NDF: 2761314.2/18

All: 898.589 $\pm$ 0.163 χ^2 /NDF: 6050155.1/38

- sign 877.413 $\pm$ 0.229 χ^2 /NDF: 3271578.0/19

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: 1443.611+/-1271.200 χ^2/NDF : 1.2/2

Right Out: 534.199+/-690.970 χ^2/NDF : 11.1/17

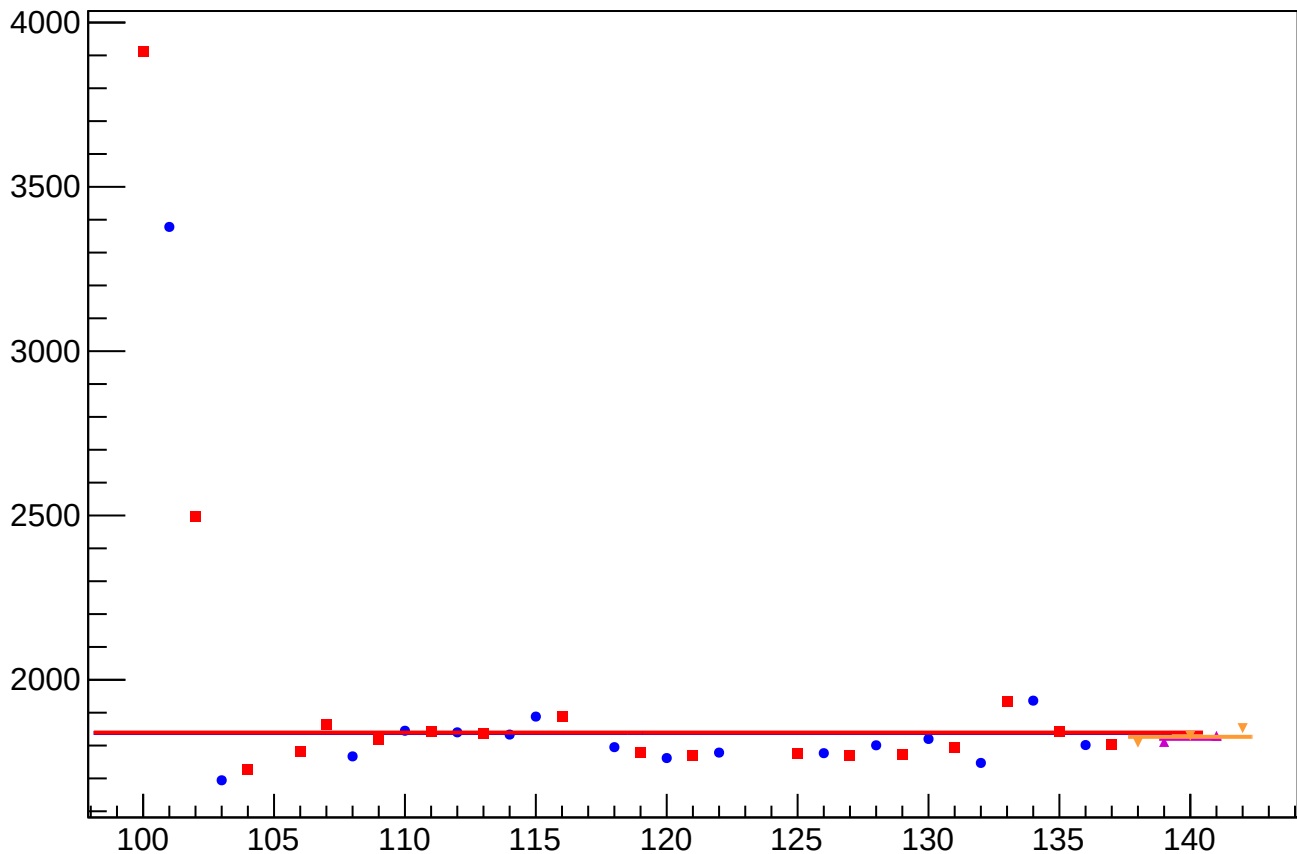
Left In: 3208.983+/-1383.435 χ^2/NDF : 0.0/1

+ sign -708.236+/-607.063 χ^2/NDF : 14.6/18

All: 163.914+/-433.127 χ^2/NDF : 32.9/38

- sign 1068.231+/-618.156 χ^2/NDF : 14.1/19

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159 $\pm$ 0.489 χ^2 /NDF: 291984.0/15

Left Out: 1826.553 $\pm$ 0.899 χ^2 /NDF:334.3/2

Right Out: 1839.517 $\pm$ 0.489 χ^2 /NDF: 128253.6/17

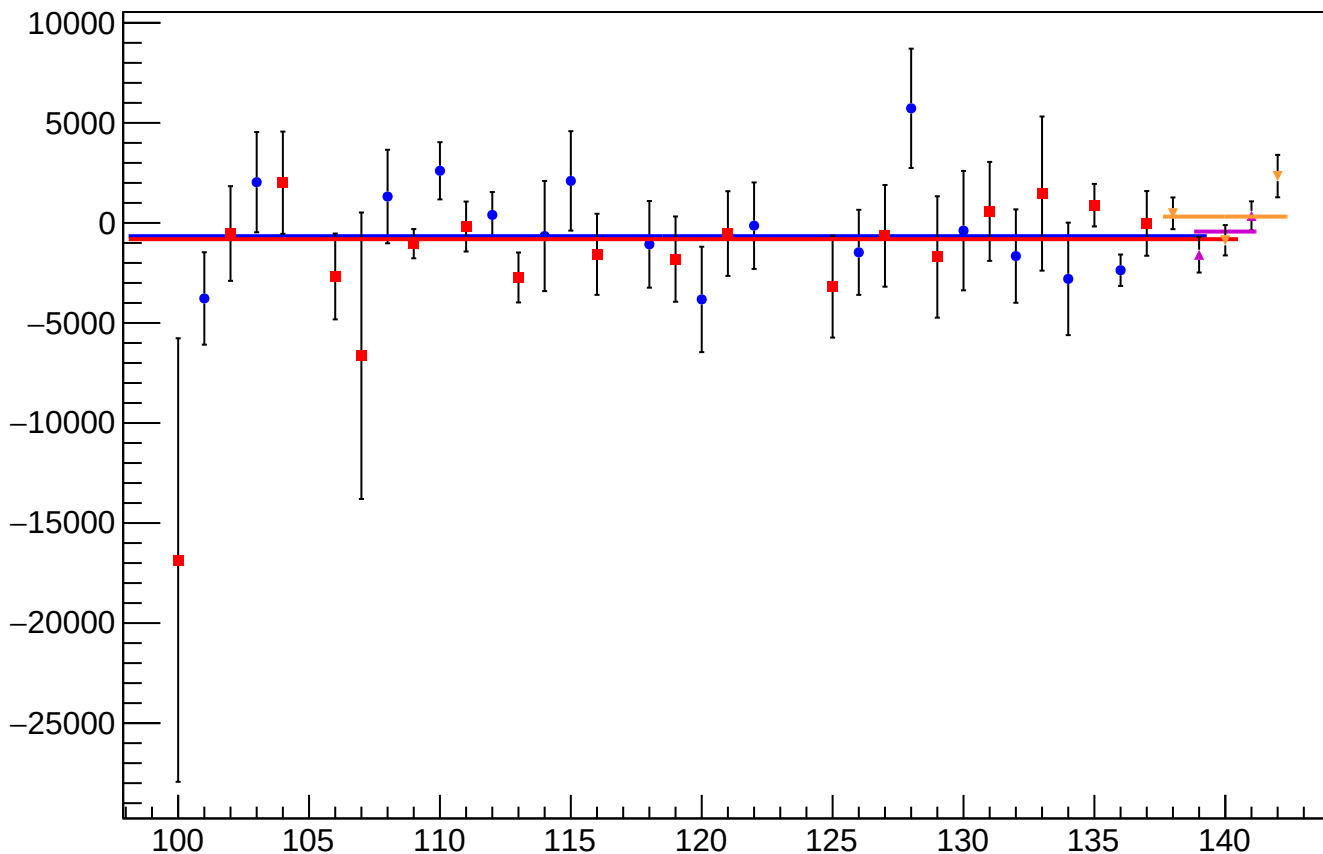
Left In: 1820.419 $\pm$ 0.978 χ^2 /NDF:87.7/1

+ sign 1835.512 $\pm$ 0.429 χ^2 /NDF: 292447.0/18

All: 1835.606 $\pm$ 0.306 χ^2 /NDF: 421093.5/38

- sign 1835.704 $\pm$ 0.437 χ^2 /NDF: 128646.4/19

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: 315.999+/-486.848 χ^2/NDF : 6.1/2

Right Out: -812.194+/-397.187 χ^2/NDF : 12.2/17

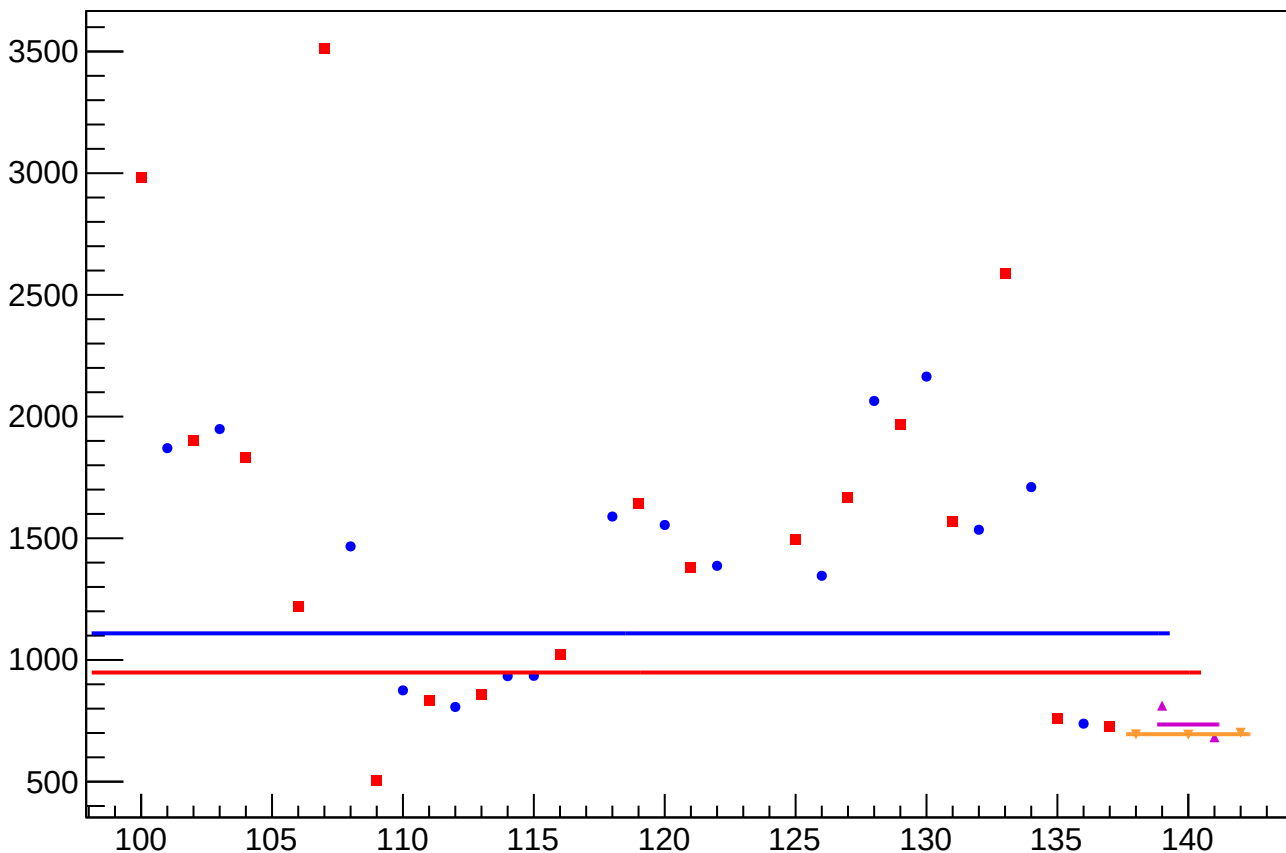
Left In: -432.026+/-562.711 χ^2/NDF : 2.9/1

+ sign -216.651+/-328.825 χ^2/NDF : 31.1/18

All: -454.321+/-230.968 χ^2/NDF : 47.5/38

- sign -685.772+/-324.495 χ^2/NDF : 15.4/19

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: 695.008+/-0.344 χ^2/NDF : 79.8/2

+ sign 920.340+/-0.233 χ^2/NDF : 2761248.4/18

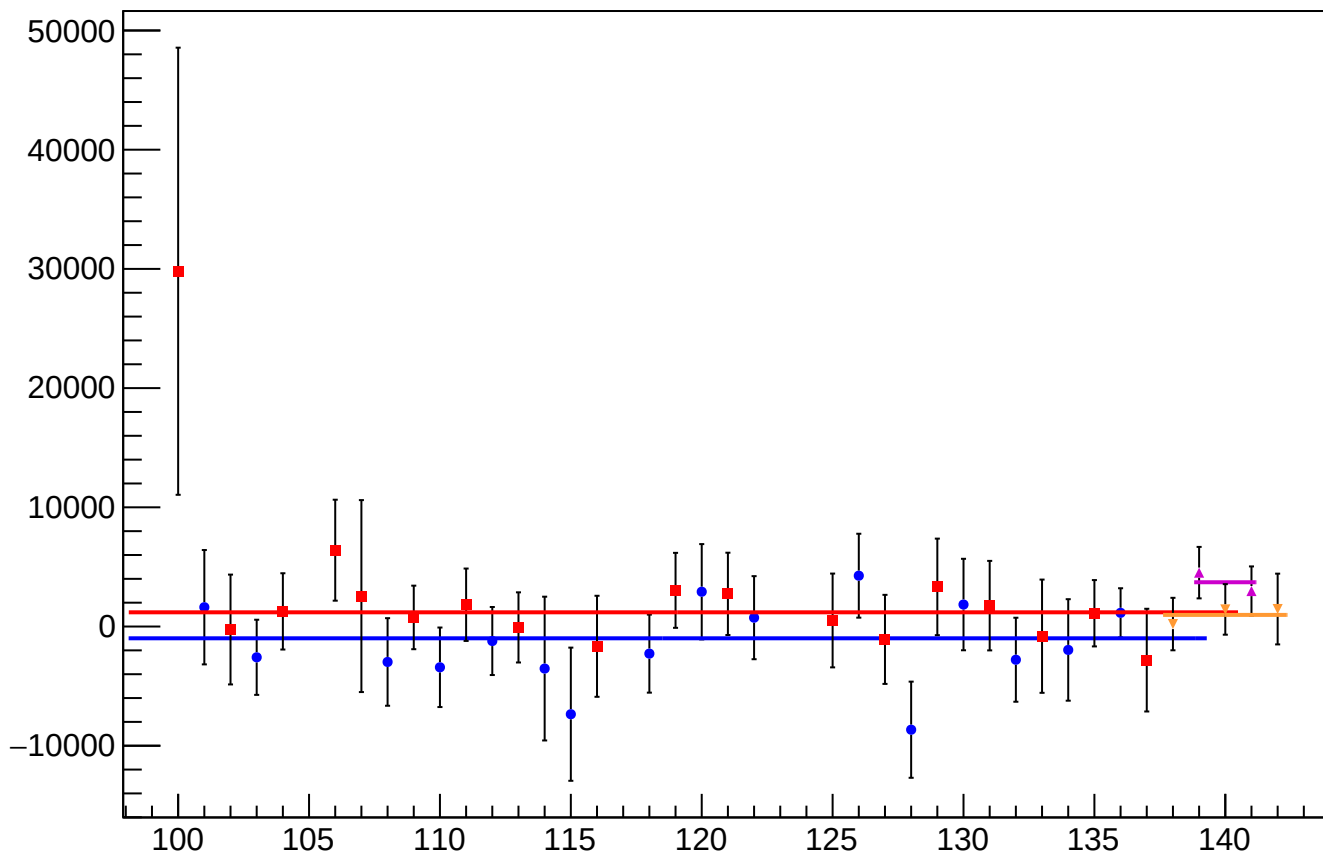
Right Out: 948.441+/-0.281 χ^2/NDF : 3053644.5/17

All: 898.594+/-0.163 χ^2/NDF : 6050058.6/38

- sign 877.418+/-0.229 χ^2/NDF : 3271545.9/19

Left In: 734.865+/-0.398 χ^2/NDF : 25597.6/1

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532 ± 873.840 χ^2/NDF : 12.0/15

Left Out: 974.420 ± 1357.636 χ^2/NDF : 0.2/2

Right Out: 1192.173 ± 870.432 χ^2/NDF : 7.0/17

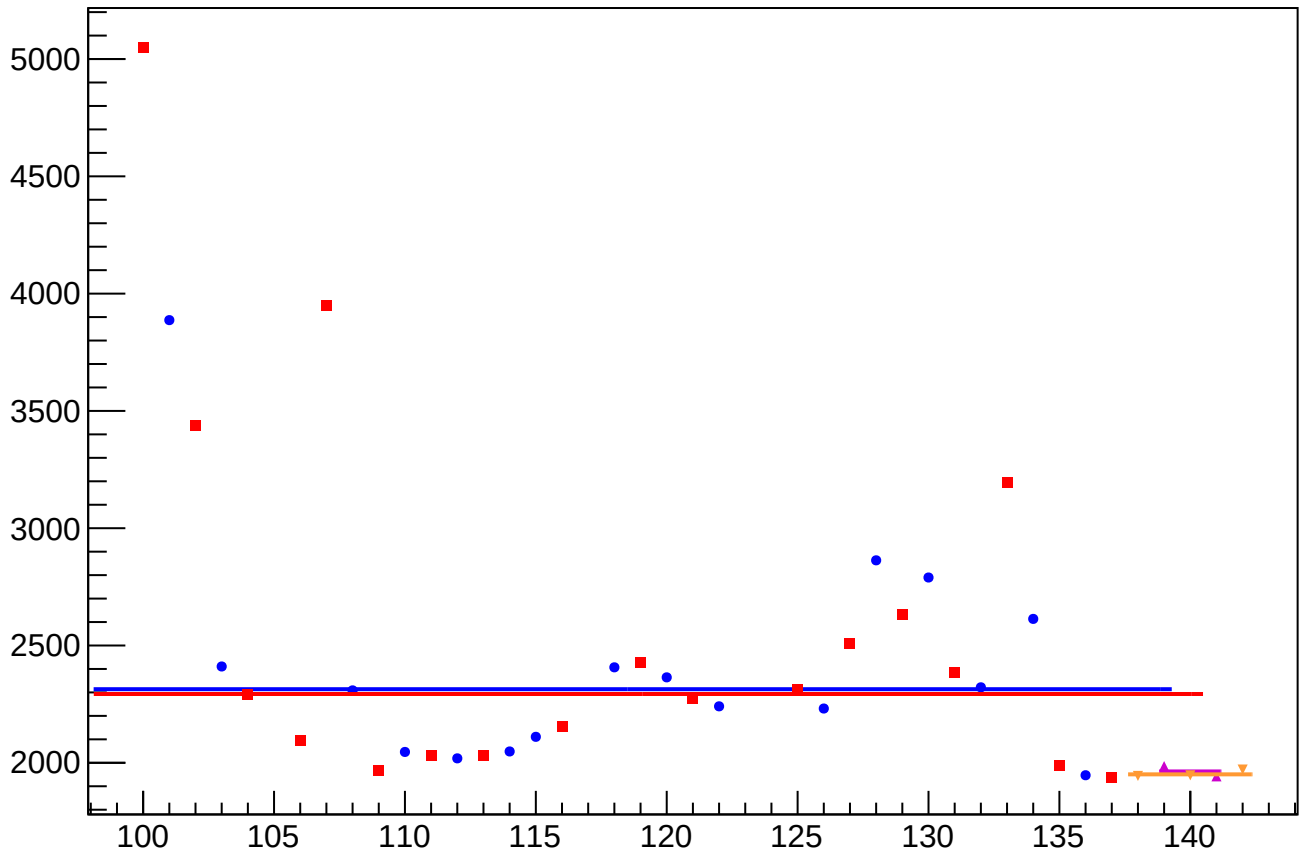
Left In: 3714.564 ± 1492.087 χ^2/NDF : 0.3/1

+ sign -412.822 ± 734.791 χ^2/NDF : 13.7/18

All: 684.138 ± 525.503 χ^2/NDF : 27.6/38

- sign 1832.625 ± 751.851 χ^2/NDF : 9.4/19

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF : 402756.6/15

Left Out: 1950.736+/-0.960 χ^2/NDF :121.7/2

Right Out: 2293.273+/-0.615 χ^2/NDF : 453202.3/17

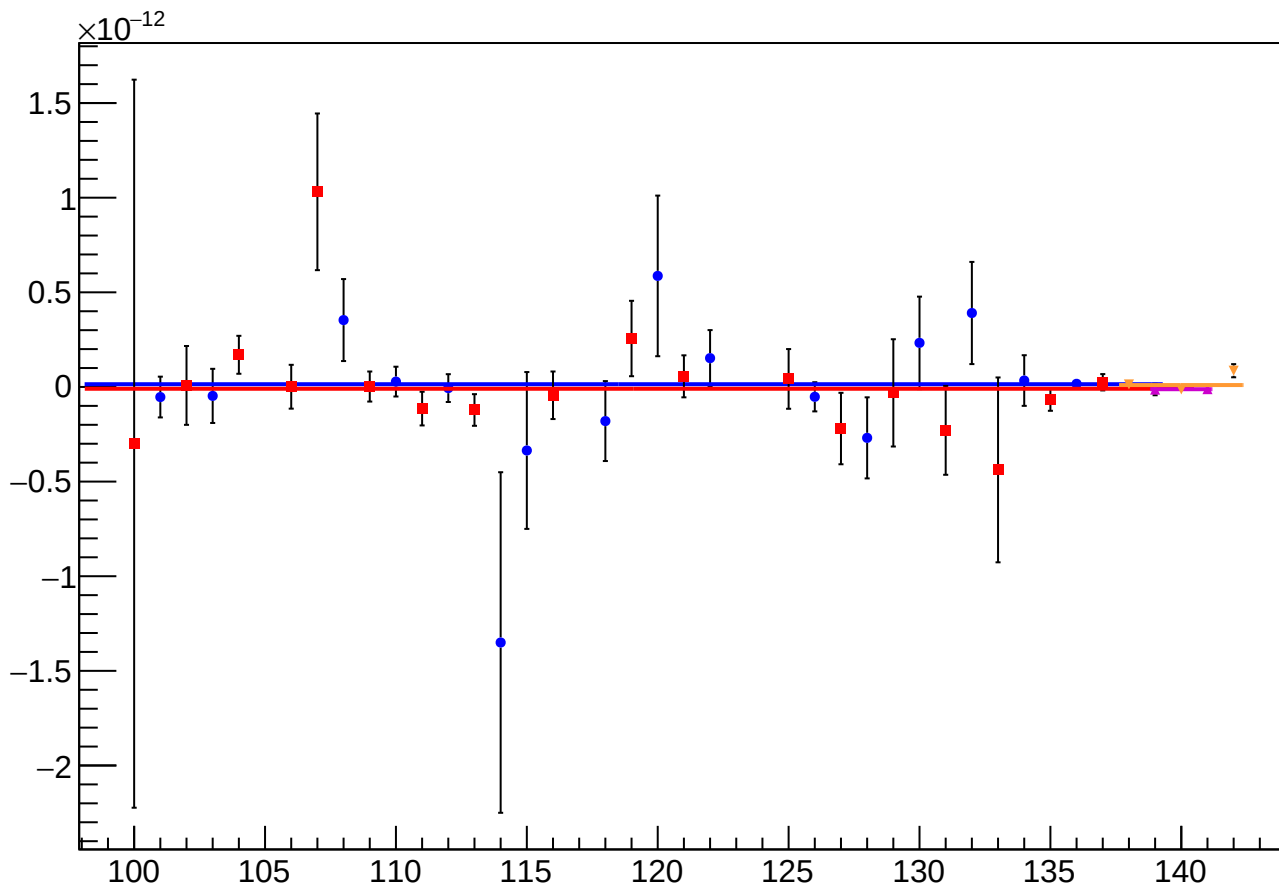
Left In: 1963.119+/-1.055 χ^2/NDF :428.5/1

+ sign 2207.407+/-0.520 χ^2/NDF : 503978.6/18

All: 2208.403+/-0.372 χ^2/NDF : 1030675.3/38

- sign 2209.446+/-0.532 χ^2/NDF : 526689.1/19

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: 6.4/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/17

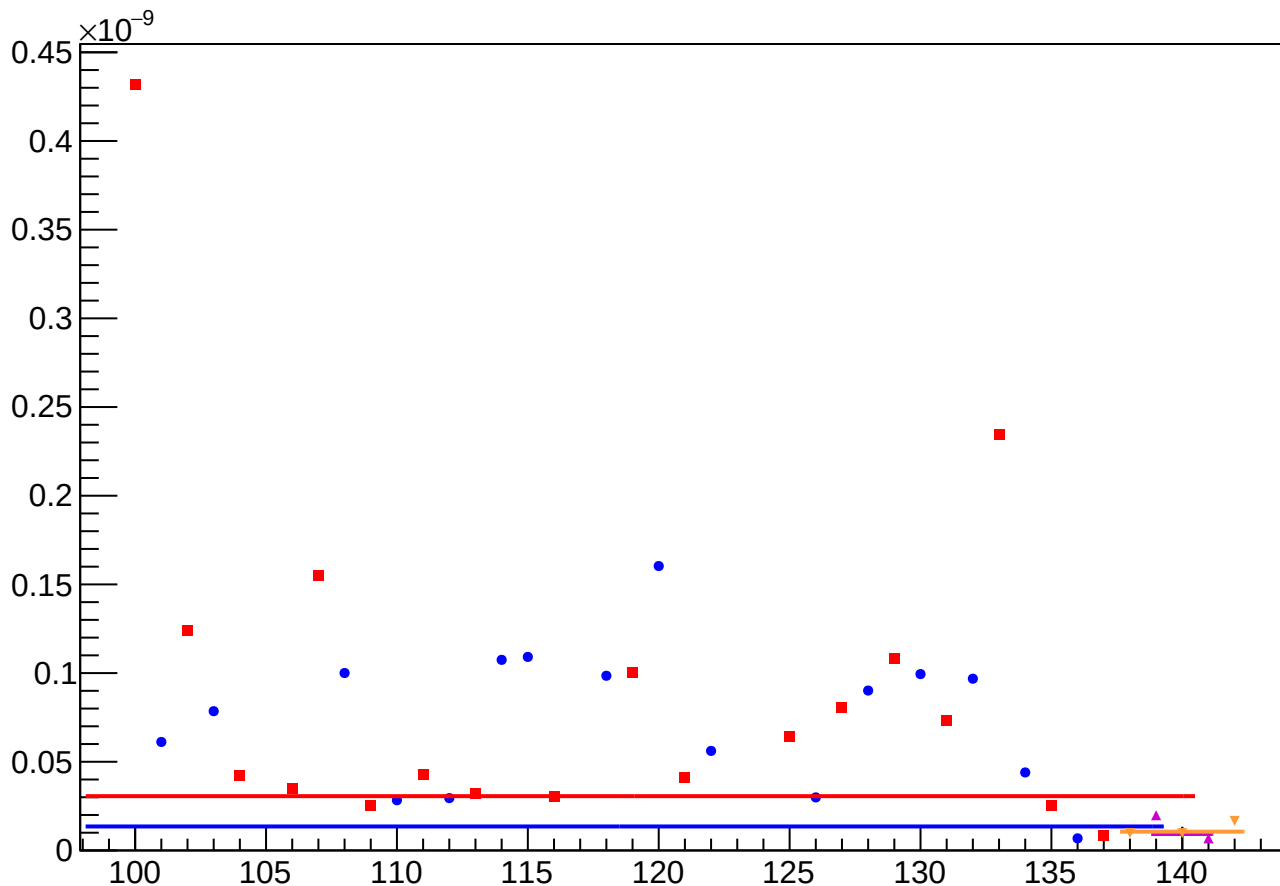
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.5/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.5/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/19

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3416094.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 68592.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2349183.7/17

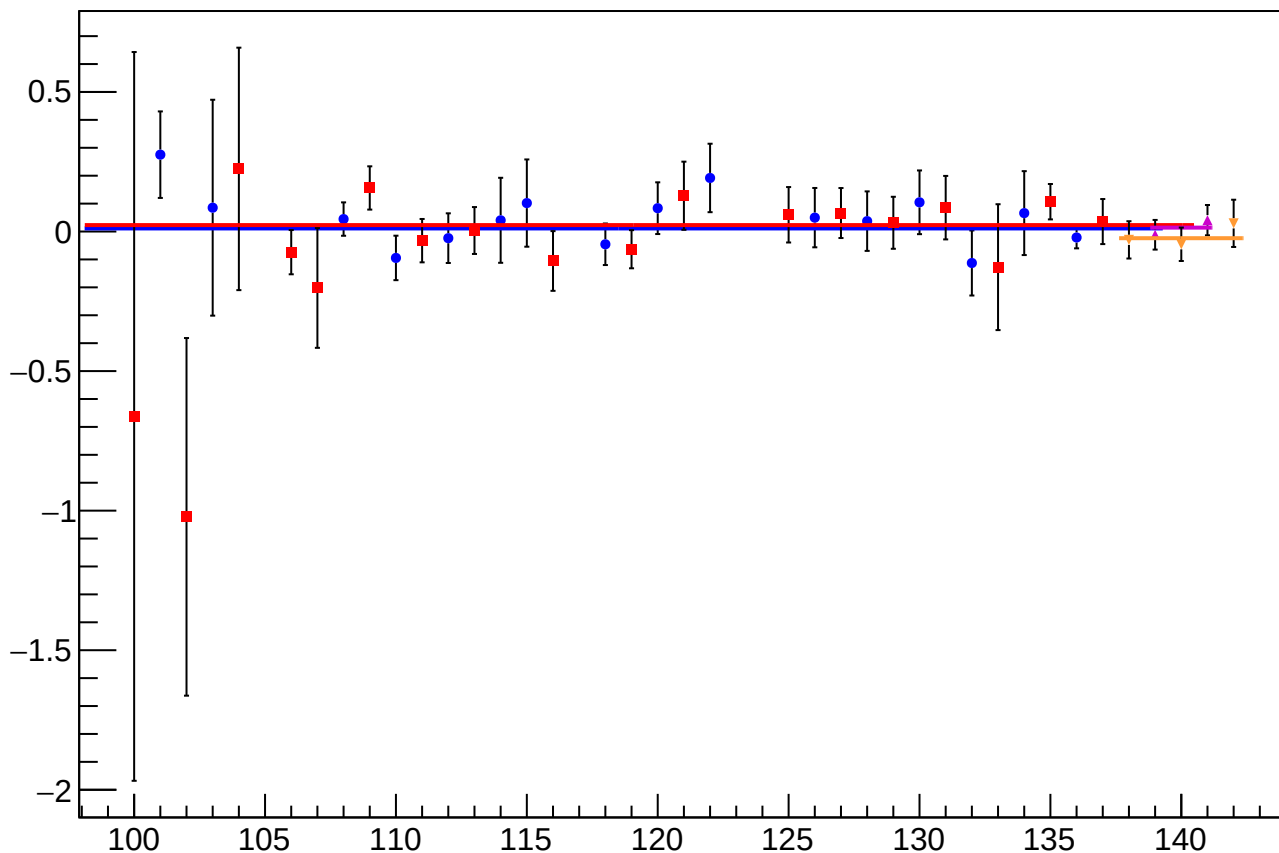
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 304805.6/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3534700.2/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7448946.7/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3867565.6/19

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: -0.024 $\pm$ 0.039 χ^2 /NDF: 0.5/2

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 16.0/17

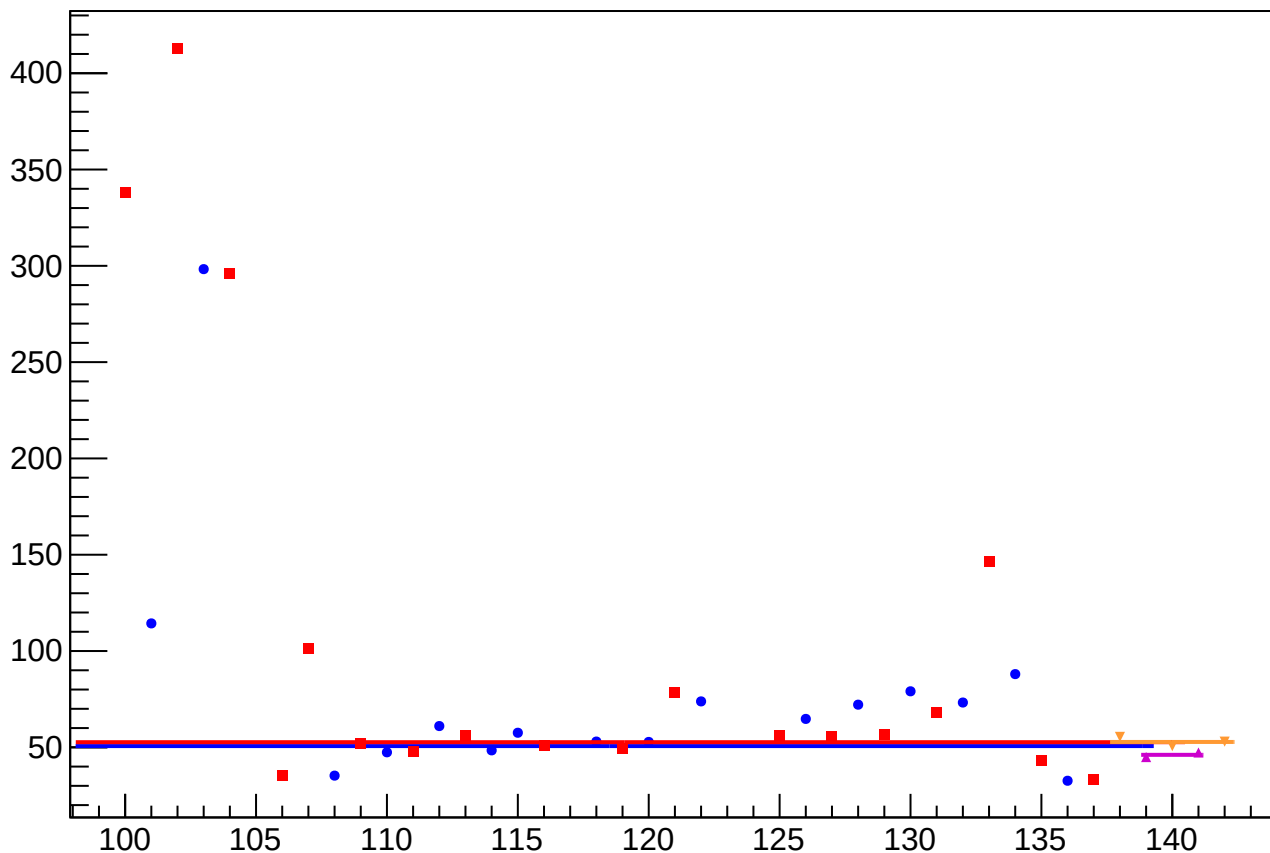
Left In: 0.014 $\pm$ 0.038 χ^2 /NDF: 0.5/1

+ sign 0.003 $\pm$ 0.019 χ^2 /NDF: 12.9/18

All: 0.011 $\pm$ 0.014 χ^2 /NDF: 29.8/38

- sign 0.021 $\pm$ 0.020 χ^2 /NDF: 16.5/19

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.645 $\pm$ 0.015 χ^2 /NDF: 2266445.6/15

Left Out: 52.788 $\pm$ 0.028 χ^2 /NDF: 5841.3/2

Right Out: 52.666 $\pm$ 0.016 χ^2 /NDF: 2211938.1/17

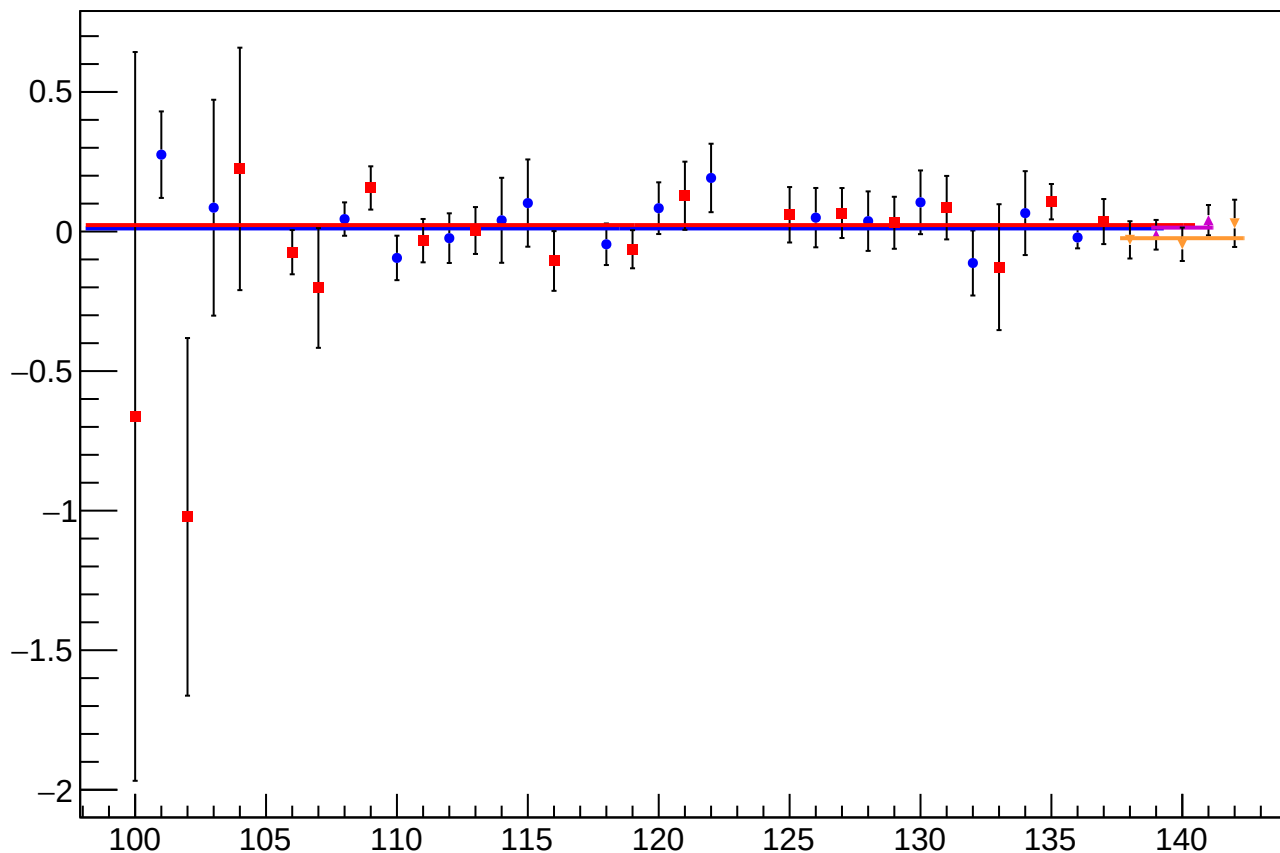
Left In: 46.099 $\pm$ 0.027 χ^2 /NDF: 1954.0/1

+ sign 51.149 $\pm$ 0.014 χ^2 /NDF: 2276802.1/18

All: 51.024 $\pm$ 0.010 χ^2 /NDF: 4534505.1/38

- sign 50.892 $\pm$ 0.014 χ^2 /NDF: 2257527.3/19

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: -0.024 $\pm$ 0.039 χ^2 /NDF: 0.5/2

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 16.0/17

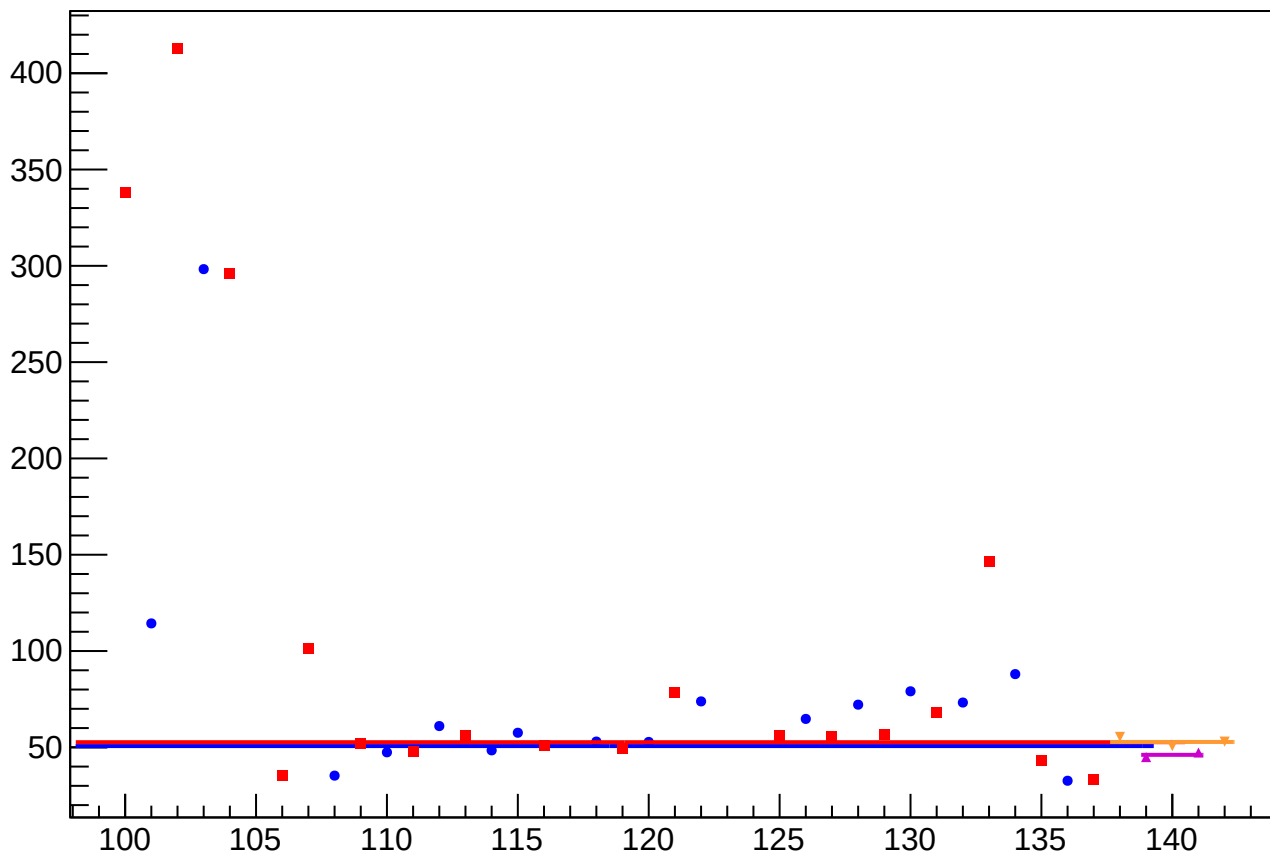
Left In: 0.014 $\pm$ 0.038 χ^2 /NDF: 0.5/1

+ sign 0.003 $\pm$ 0.019 χ^2 /NDF: 12.9/18

All: 0.011 $\pm$ 0.014 χ^2 /NDF: 29.8/38

- sign 0.021 $\pm$ 0.020 χ^2 /NDF: 16.5/19

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.645 $\pm$ 0.015 χ^2 /NDF: 2266445.6/15

Left Out: 52.788 $\pm$ 0.028 χ^2 /NDF: 5841.3/2

Right Out: 52.666 $\pm$ 0.016 χ^2 /NDF: 2211938.1/17

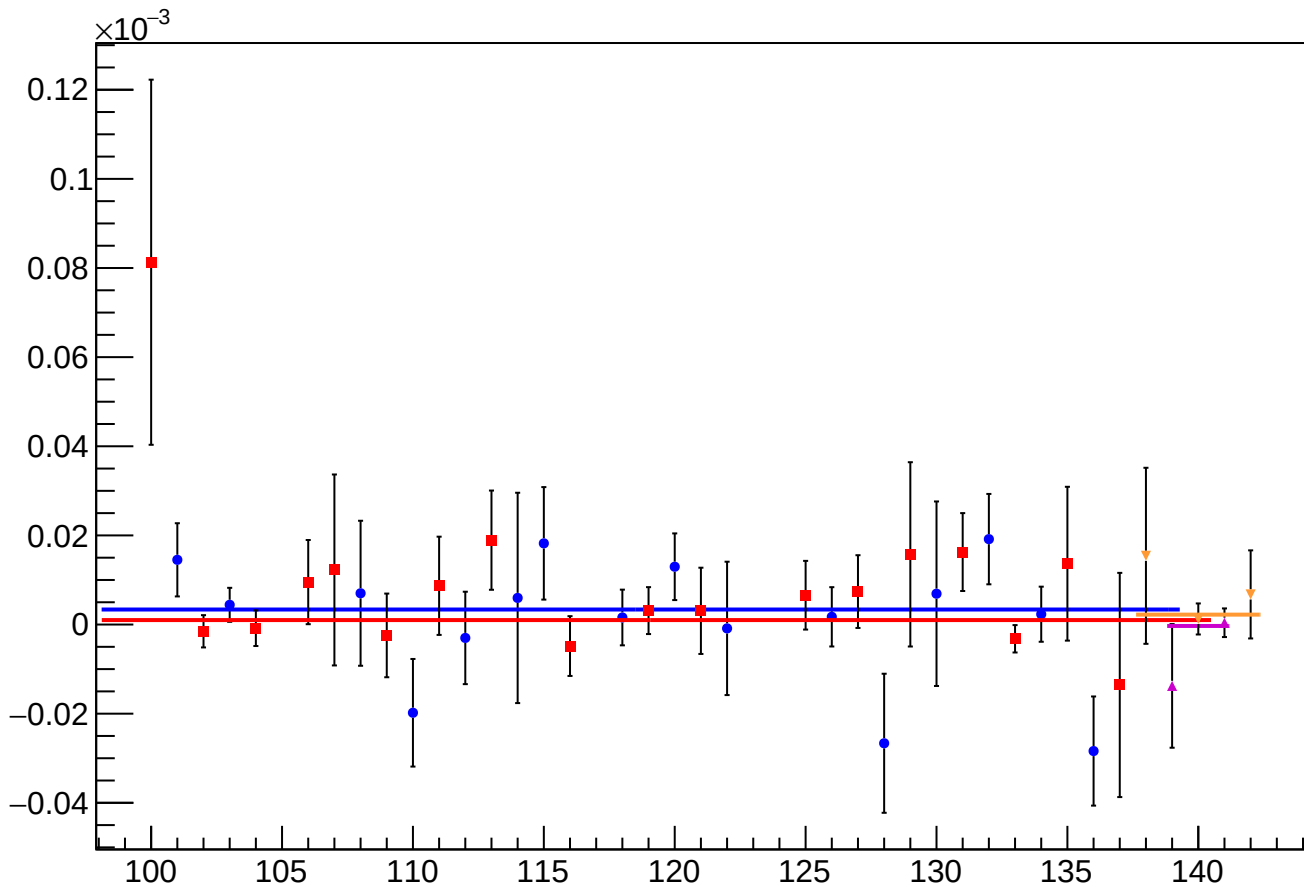
Left In: 46.099 $\pm$ 0.027 χ^2 /NDF: 1954.0/1

+ sign 51.149 $\pm$ 0.014 χ^2 /NDF: 2276802.1/18

All: 51.024 $\pm$ 0.010 χ^2 /NDF: 4534505.1/38

- sign 50.892 $\pm$ 0.014 χ^2 /NDF: 2257527.3/19

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: 0.7/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

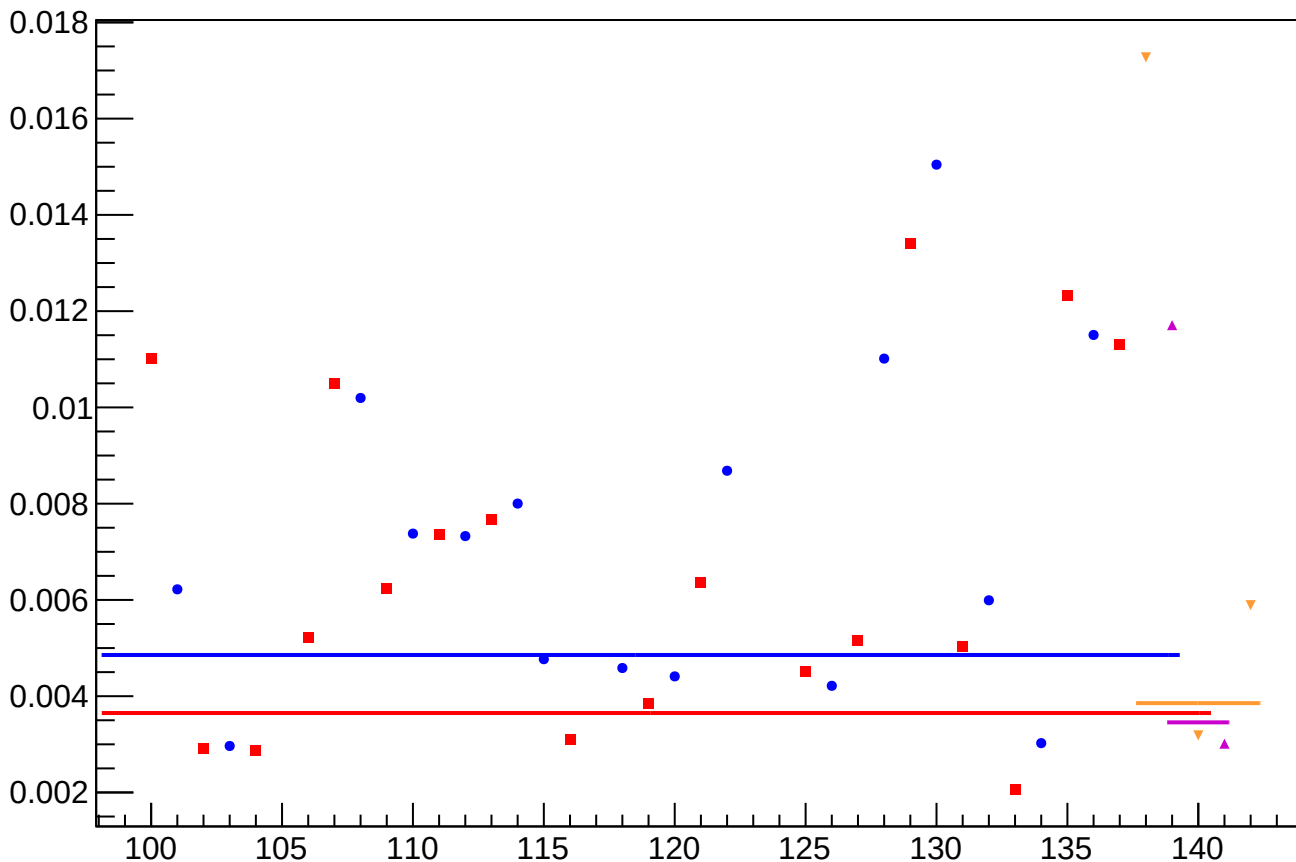
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.5/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/19

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: 0.004+/-0.000 χ^2/NDF : 1081737.2/2

Right Out: 0.004+/-0.000 χ^2/NDF : 3108848.8/17

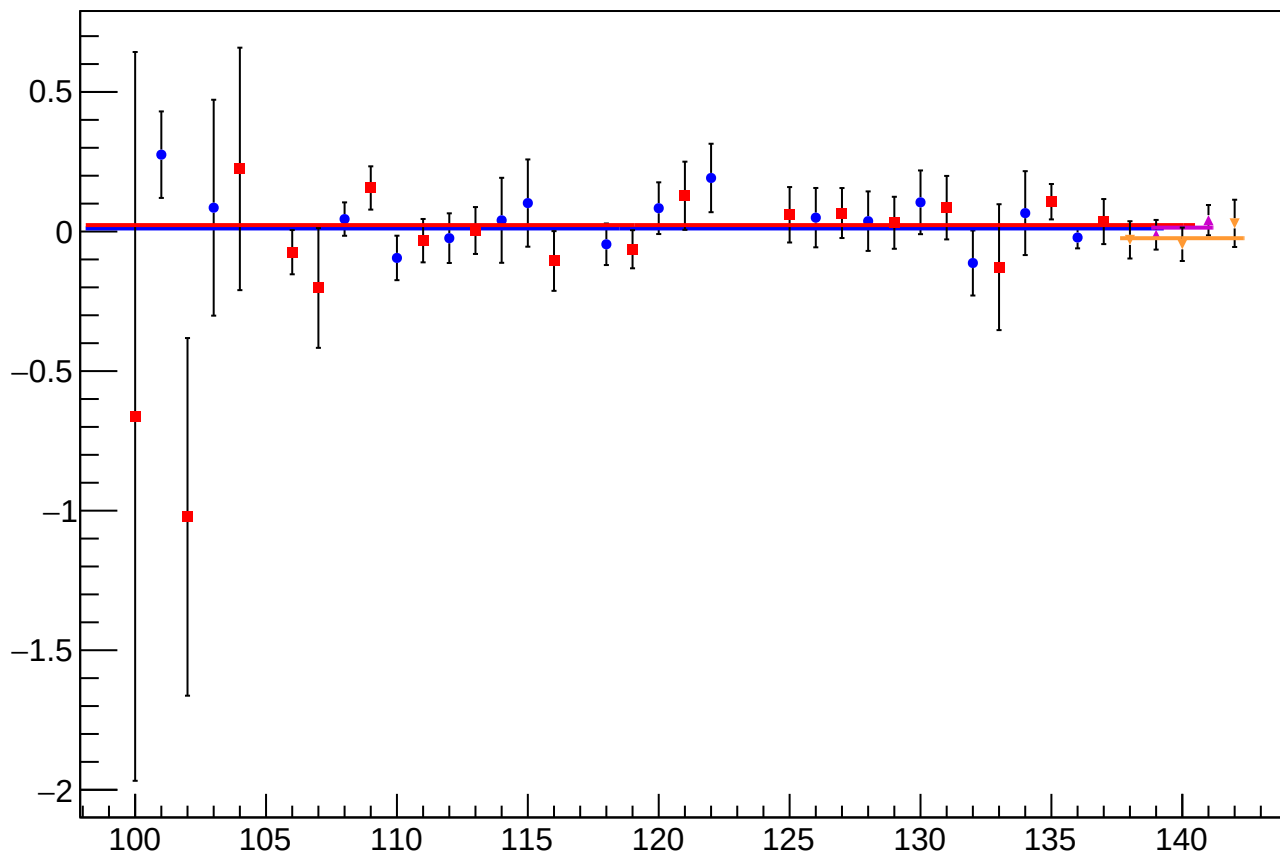
Left In: 0.003+/-0.000 χ^2/NDF : 745481.1/1

+ sign 0.005+/-0.000 χ^2/NDF : 3961846.8/18

All: 0.004+/-0.000 χ^2/NDF : 8183569.2/38

- sign 0.004+/-0.000 χ^2/NDF : 3860473.9/19

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.022 χ^2 /NDF: 11.7/15

Left Out: -0.024 $\pm$ 0.039 χ^2 /NDF: 0.5/2

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 15.9/17

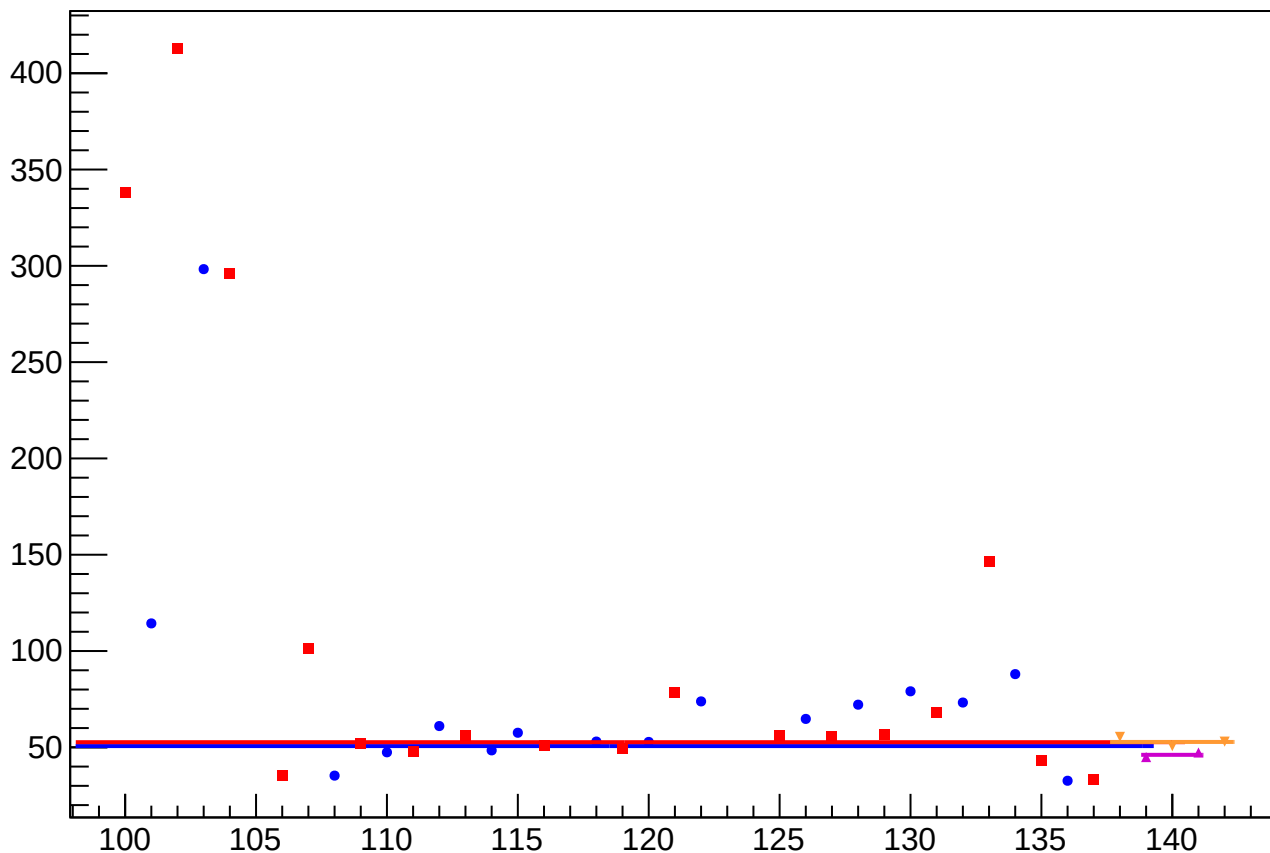
Left In: 0.014 $\pm$ 0.038 χ^2 /NDF: 0.5/1

+ sign 0.003 $\pm$ 0.019 χ^2 /NDF: 12.9/18

All: 0.011 $\pm$ 0.014 χ^2 /NDF: 29.8/38

- sign 0.021 $\pm$ 0.020 χ^2 /NDF: 16.5/19

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: 52.790 $\pm$ 0.028 χ^2 /NDF: 5843.4/2

Right Out: 52.667 $\pm$ 0.016 χ^2 /NDF: 2211822.2/17

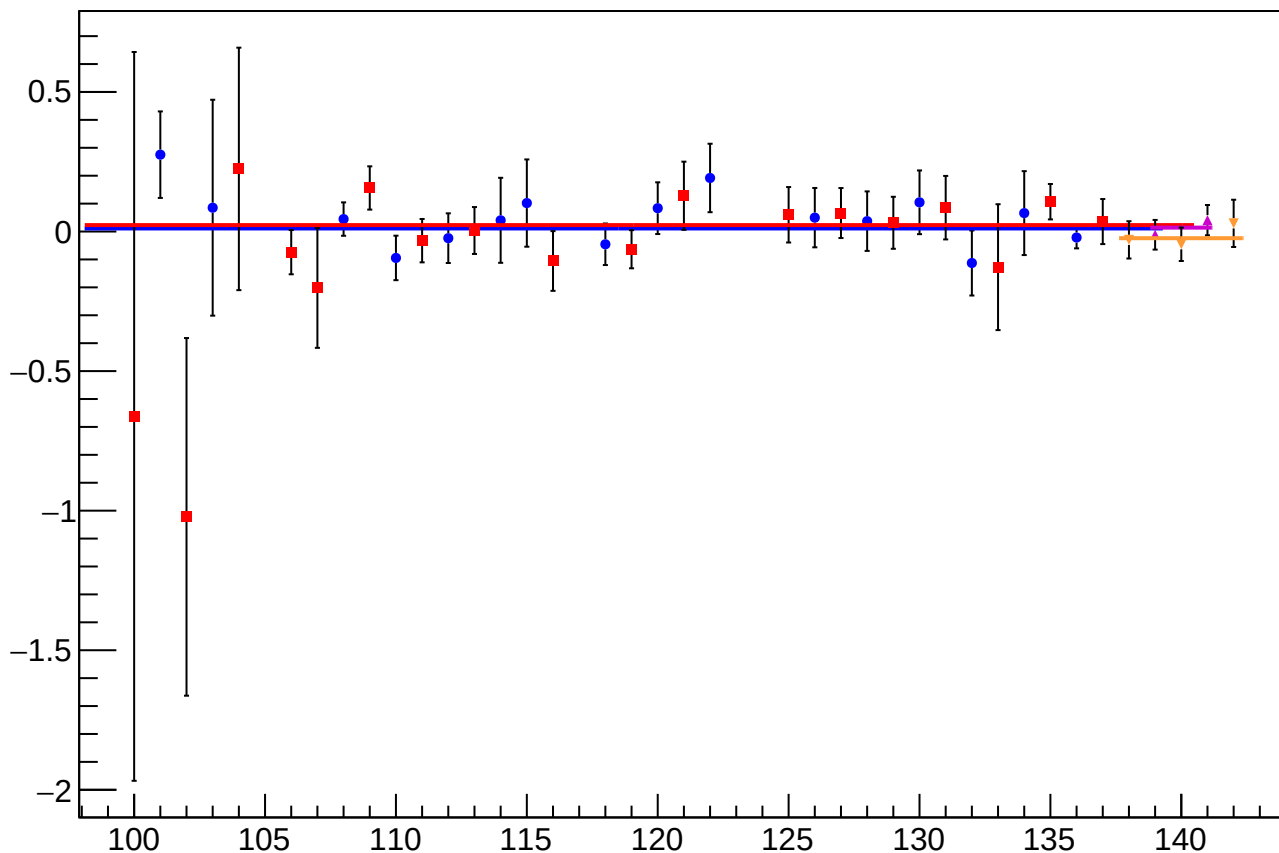
Left In: 46.100 $\pm$ 0.027 χ^2 /NDF: 1952.8/1

+ sign 51.150 $\pm$ 0.014 χ^2 /NDF: 2276711.6/18

All: 51.025 $\pm$ 0.010 χ^2 /NDF: 4534281.1/38

- sign 50.893 $\pm$ 0.014 χ^2 /NDF: 2257394.4/19

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.022 χ^2 /NDF: 11.7/15

Left Out: -0.024 $\pm$ 0.039 χ^2 /NDF: 0.5/2

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 15.9/17

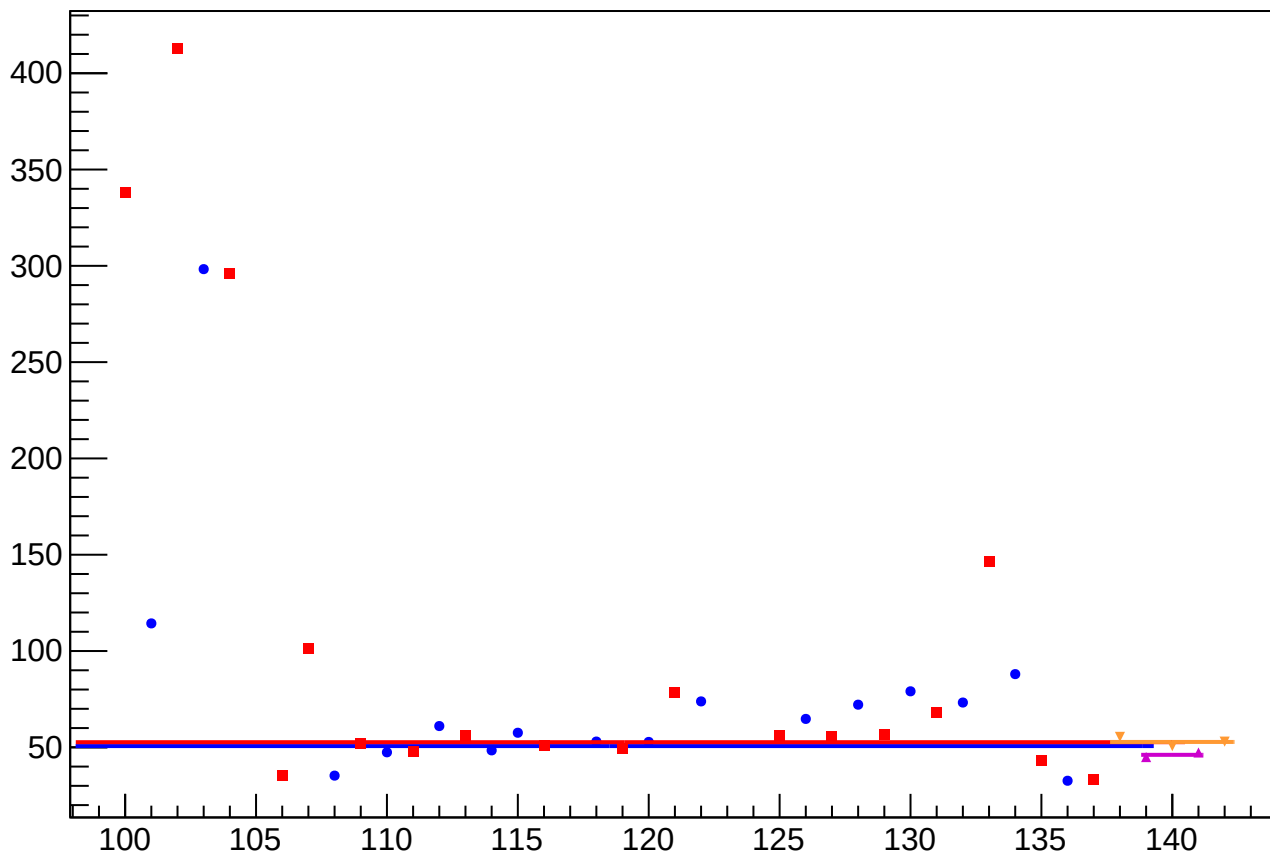
Left In: 0.014 $\pm$ 0.038 χ^2 /NDF: 0.5/1

+ sign 0.003 $\pm$ 0.019 χ^2 /NDF: 12.9/18

All: 0.011 $\pm$ 0.014 χ^2 /NDF: 29.8/38

- sign 0.021 $\pm$ 0.020 χ^2 /NDF: 16.5/19

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.646+/-0.015 χ^2/NDF : 2266348.3/15

Left Out: 52.790+/-0.028 χ^2/NDF : 5843.4/2

Right Out: 52.667+/-0.016 χ^2/NDF : 2211822.2/17

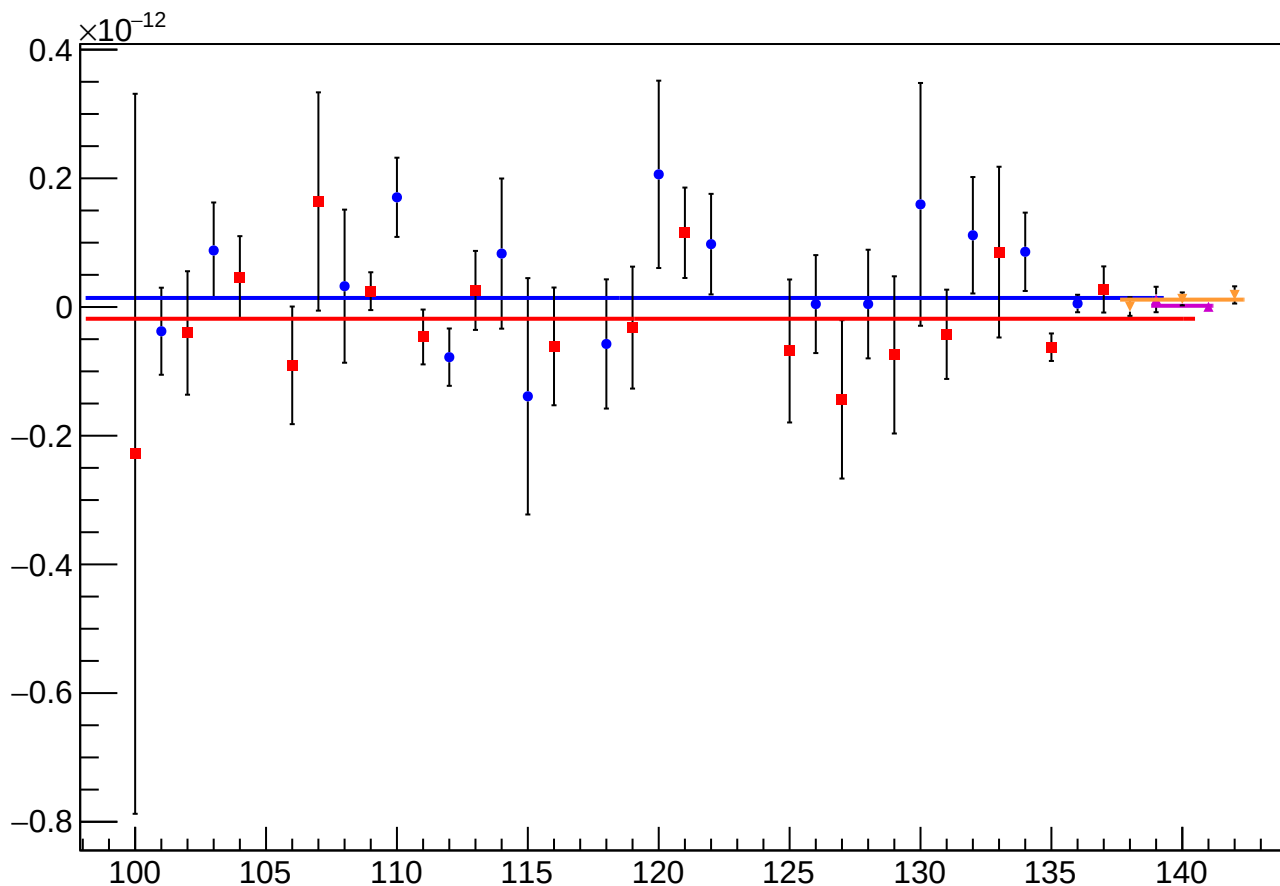
Left In: 46.100+/-0.027 χ^2/NDF : 1952.8/1

+ sign 51.150+/-0.014 χ^2/NDF : 2276711.6/18

All: 51.025+/-0.010 χ^2/NDF : 4534281.1/38

- sign 50.893+/-0.014 χ^2/NDF : 2257394.4/19

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:0.9/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/17

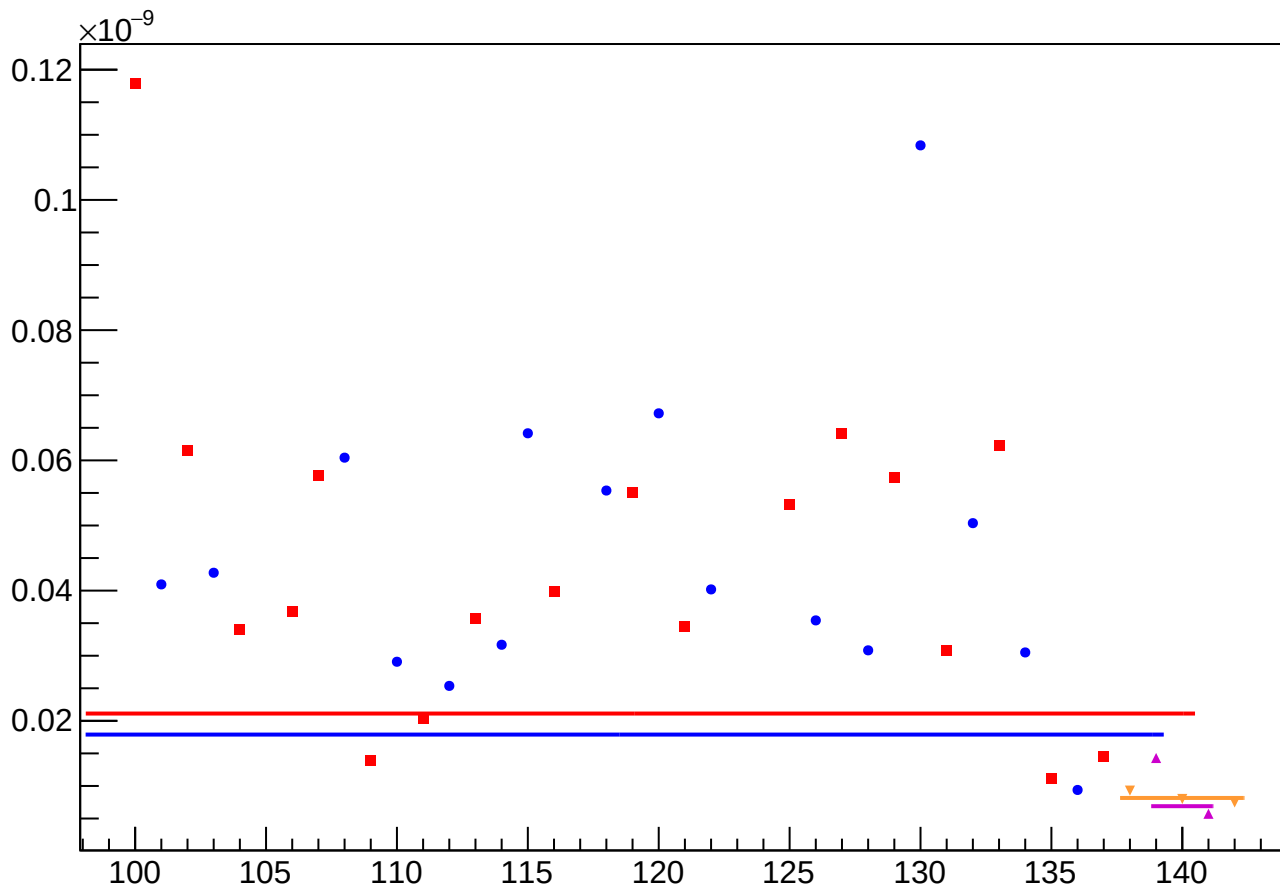
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.6/38

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.2/19

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 : 18066.7/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2621588.2/17

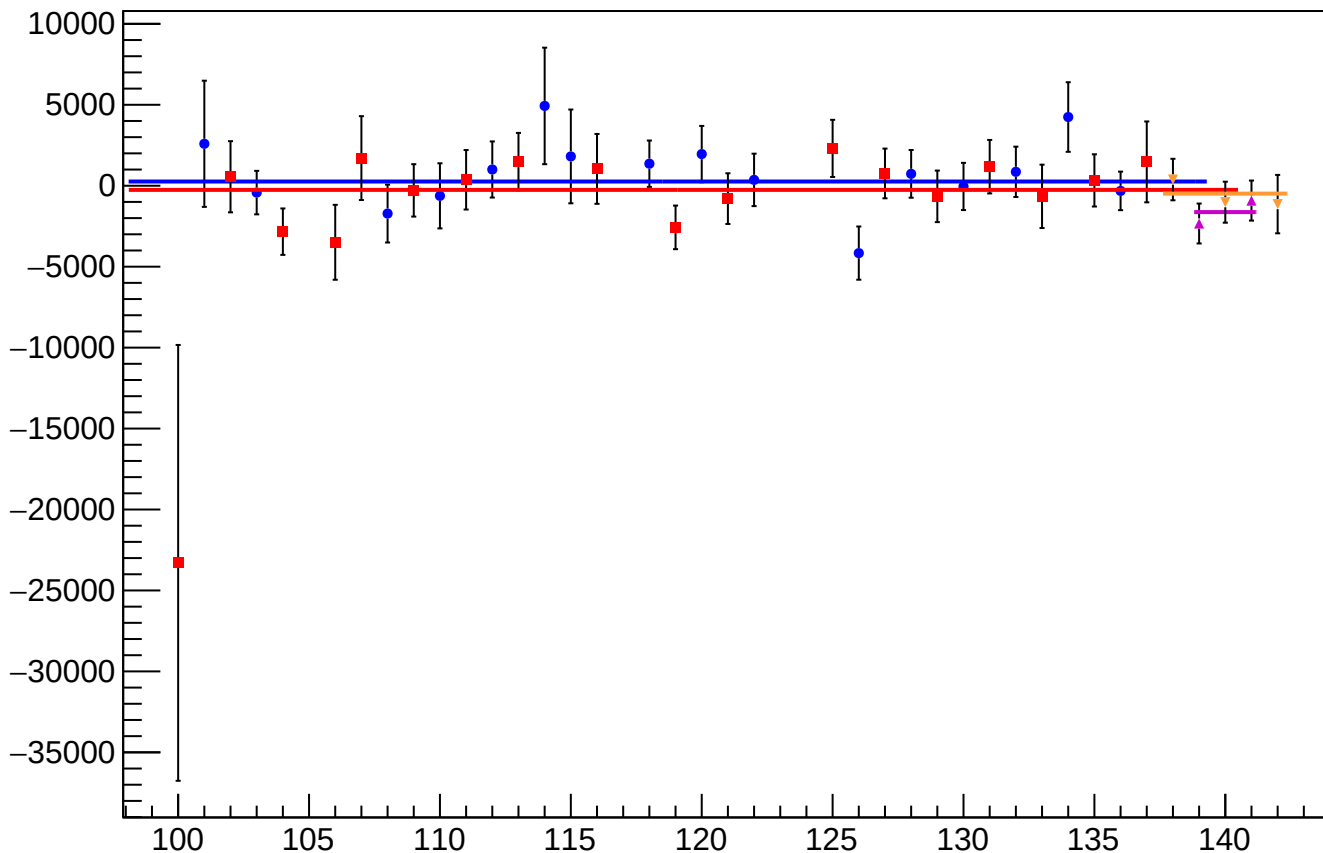
Left In: 0.000+/-0.000 χ^2/NDF : 324380.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 4483873.8/18

All: 0.000+/-0.000 χ^2/NDF : 9359448.1/38

- sign 0.000+/-0.000 χ^2/NDF : 4871830.9/19

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: -487.016 $\pm$ 805.918 χ^2 /NDF: 0.8/2

Right Out: -255.934 $\pm$ 425.784 χ^2 /NDF: 17.4/17

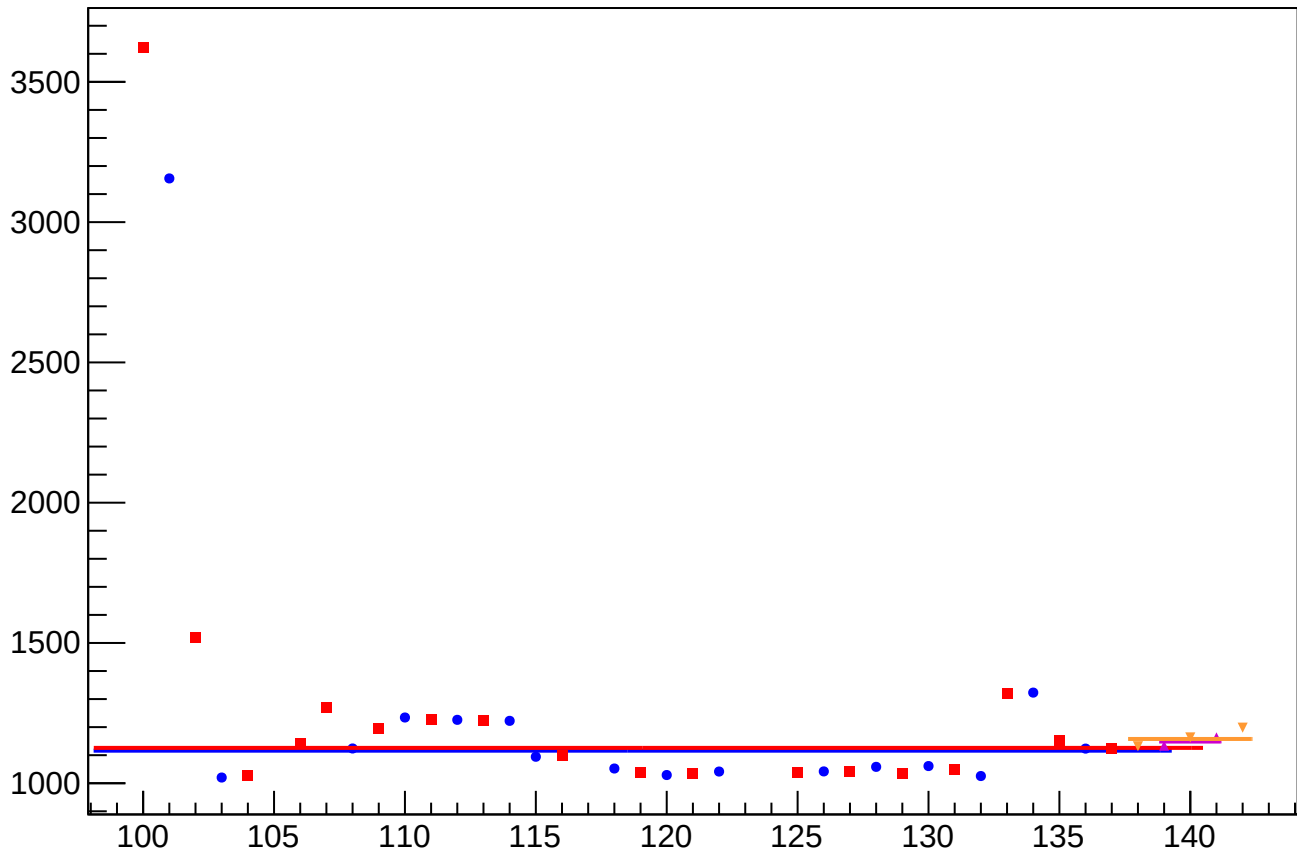
Left In: -1627.616 $\pm$ 873.084 χ^2 /NDF: 0.7/1

+ sign 98.288 $\pm$ 375.692 χ^2 /NDF: 18.4/18

All: -204.889 $\pm$ 268.098 χ^2 /NDF: 39.7/38

- sign -519.482 $\pm$ 382.701 χ^2 /NDF: 20.0/19

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089 ± 0.300 χ^2/NDF : 623390.9/15

Left Out: 1157.811 ± 0.570 χ^2/NDF : 1856.7/2

Right Out: 1126.016 ± 0.301 χ^2/NDF : 222106.0/17

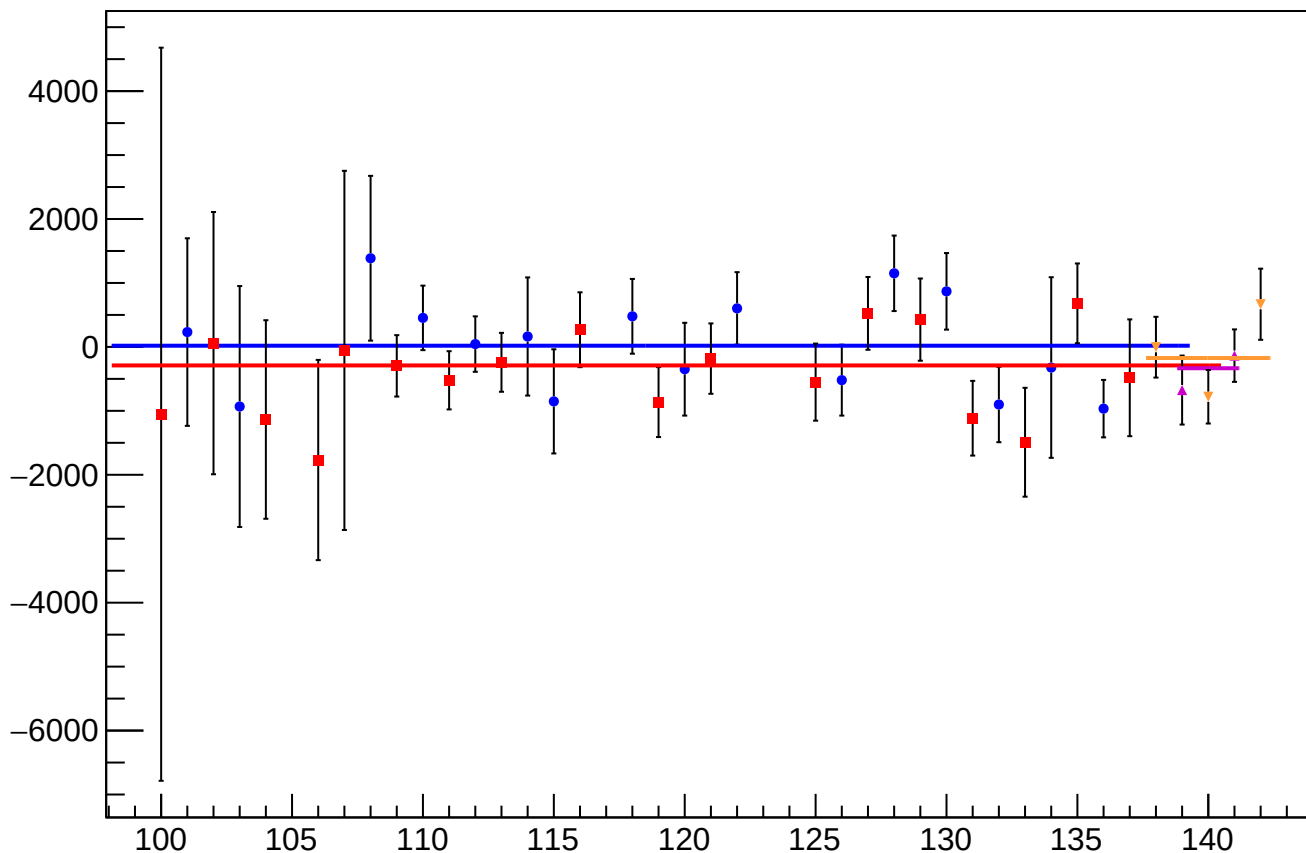
Left In: 1148.589 ± 0.617 χ^2/NDF : 580.5/1

+ sign 1125.156 ± 0.266 χ^2/NDF : 629442.8/18

All: 1127.706 ± 0.190 χ^2/NDF : 853397.1/38

- sign 1130.353 ± 0.271 χ^2/NDF : 223766.6/19

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: 18.468+/-161.237 χ^2/NDF : 19.2/15

Left Out: -173.471+/-273.399 χ^2/NDF : 4.5/2

Right Out: -289.946+/-156.189 χ^2/NDF : 13.5/17

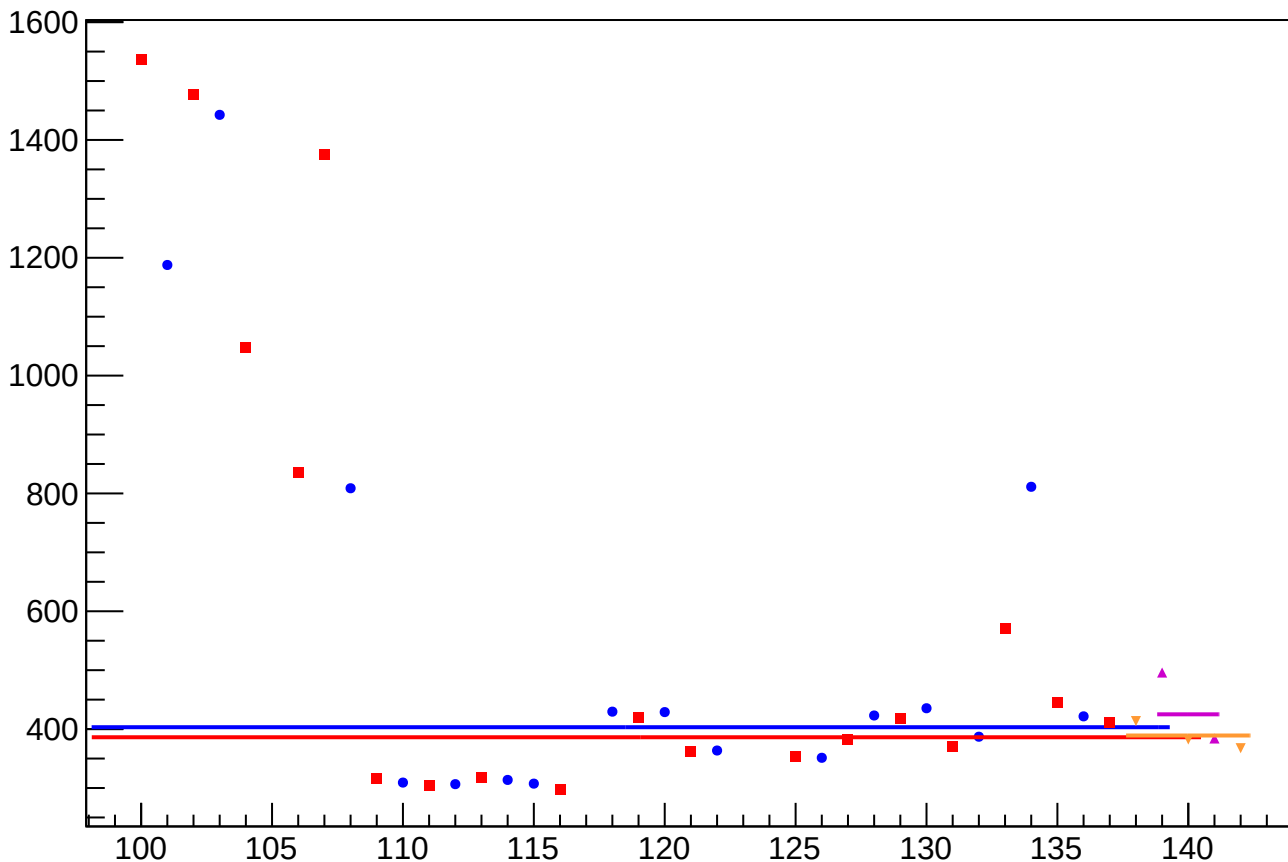
Left In: -333.774+/-326.579 χ^2/NDF : 0.6/1

+ sign -31.062+/-138.884 χ^2/NDF : 24.1/18

All: -162.656+/-98.912 χ^2/NDF : 40.0/38

- sign -298.105+/-140.904 χ^2/NDF : 14.1/19

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: 389.109+/-0.193 χ^2/NDF : 8834.6/2

Right Out: 386.146+/-0.110 χ^2/NDF : 1759113.8/17

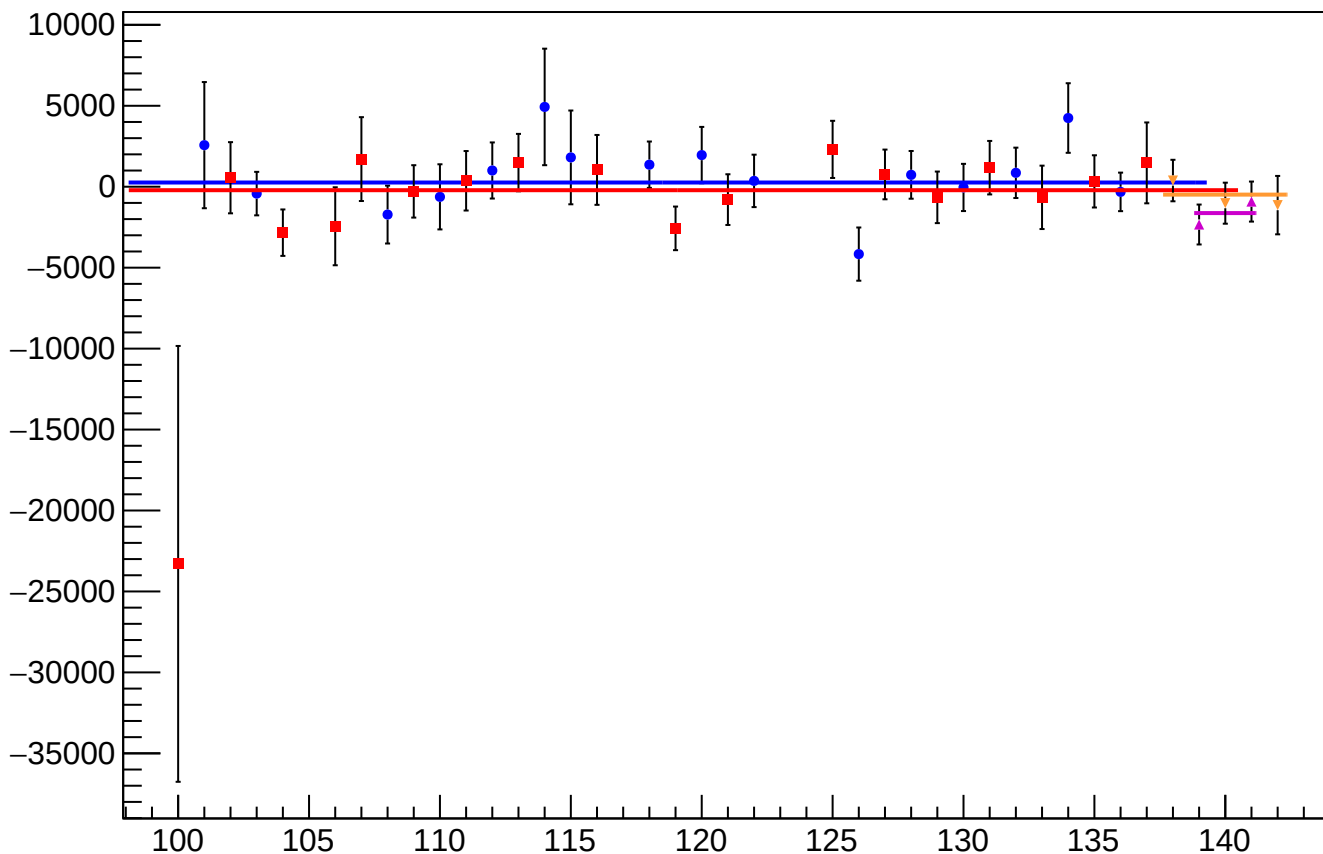
Left In: 425.072+/-0.231 χ^2/NDF : 54549.6/1

+ sign 399.559+/-0.098 χ^2/NDF : 1821205.4/18

All: 396.520+/-0.070 χ^2/NDF : 3659936.9/38

- sign 393.392+/-0.100 χ^2/NDF : 1836788.1/19

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: -487.125 $\pm$ 805.918 χ^2 /NDF: 0.8/2

Right Out: -214.501 $\pm$ 426.342 χ^2 /NDF: 16.2/17

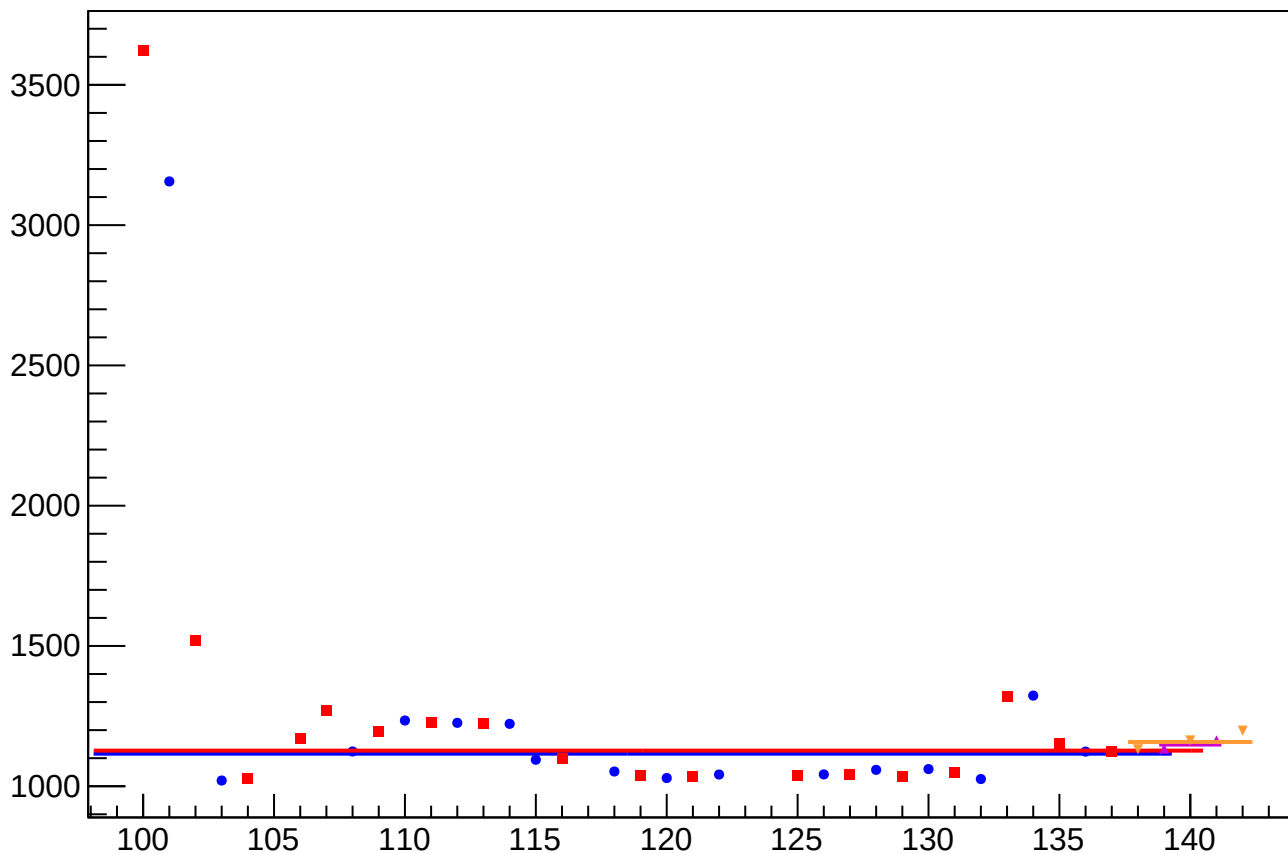
Left In: -1627.654 $\pm$ 873.084 χ^2 /NDF: 0.7/1

+ sign 97.966 $\pm$ 375.693 χ^2 /NDF: 18.4/18

All: -188.603 $\pm$ 268.237 χ^2 /NDF: 38.6/38

- sign -486.591 $\pm$ 383.105 χ^2 /NDF: 19.0/19

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: 1157.811 $\pm$ 0.570 χ^2 /NDF: 1856.7/2

Right Out: 1126.960 $\pm$ 0.301 χ^2 /NDF: 222740.2/17

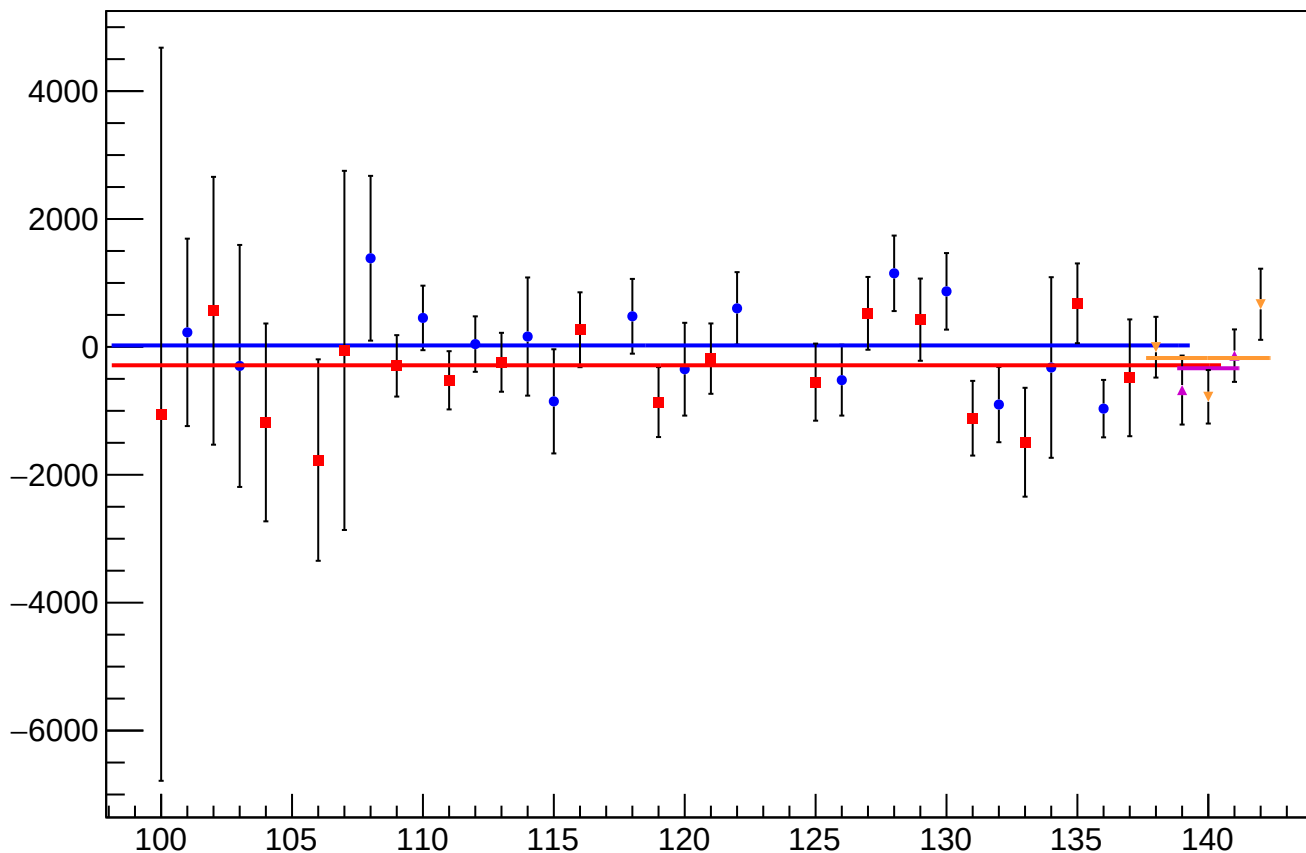
Left In: 1148.589 $\pm$ 0.617 χ^2 /NDF: 580.5/1

+ sign 1125.156 $\pm$ 0.266 χ^2 /NDF: 629443.8/18

All: 1128.082 $\pm$ 0.190 χ^2 /NDF: 854003.1/38

- sign 1131.125 $\pm$ 0.271 χ^2 /NDF: 224311.8/19

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug



Right In: 22.923+/-161.238 χ^2/NDF : 19.0/15

Left Out: -173.823+/-273.401 χ^2/NDF : 4.5/2

Right Out: -287.614+/-156.212 χ^2/NDF : 13.7/17

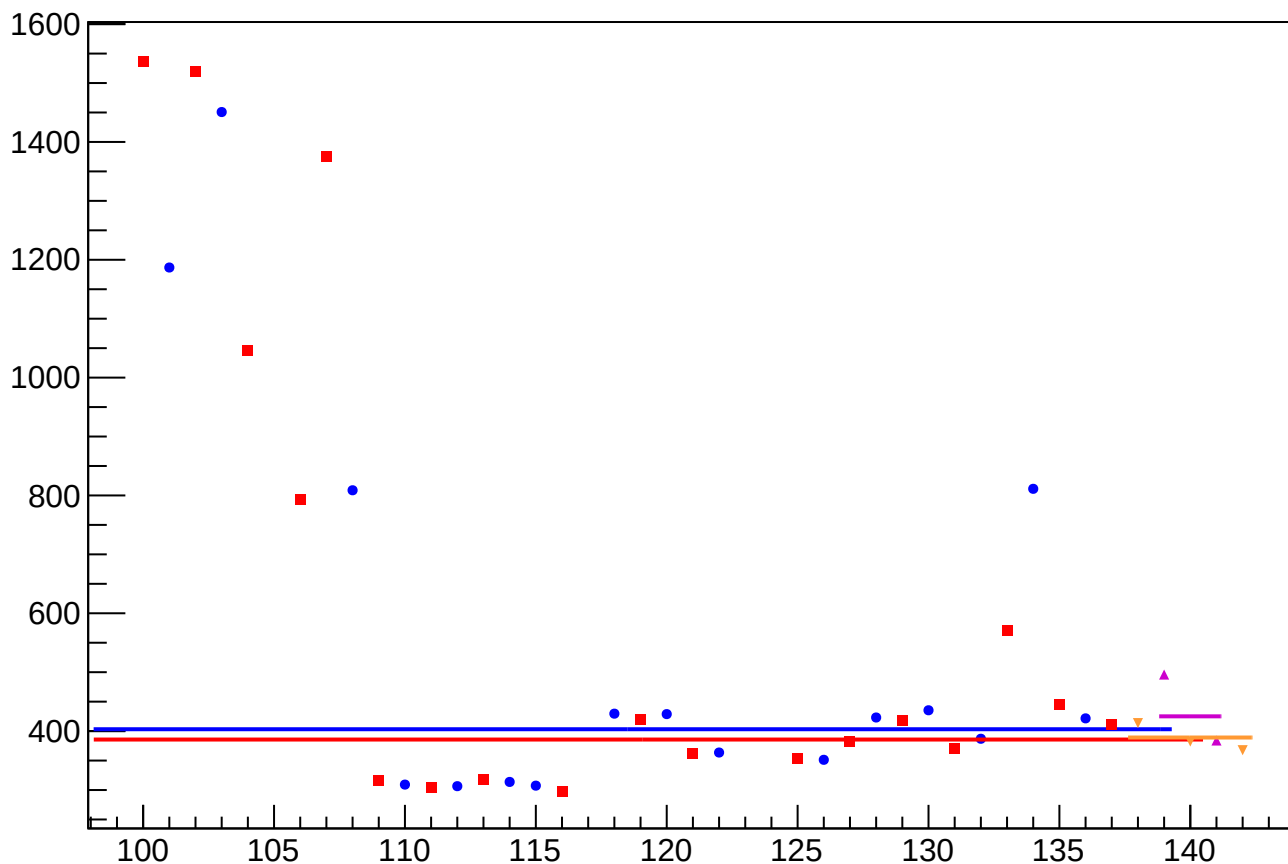
Left In: -334.029+/-326.576 χ^2/NDF : 0.6/1

+ sign -27.848+/-138.885 χ^2/NDF : 23.9/18

All: -160.099+/-98.918 χ^2/NDF : 40.0/38

- sign -296.257+/-140.920 χ^2/NDF : 14.3/19

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: 389.112+/-0.193 χ^2/NDF : 8826.0/2

Right Out: 385.682+/-0.110 χ^2/NDF : 1747152.2/17

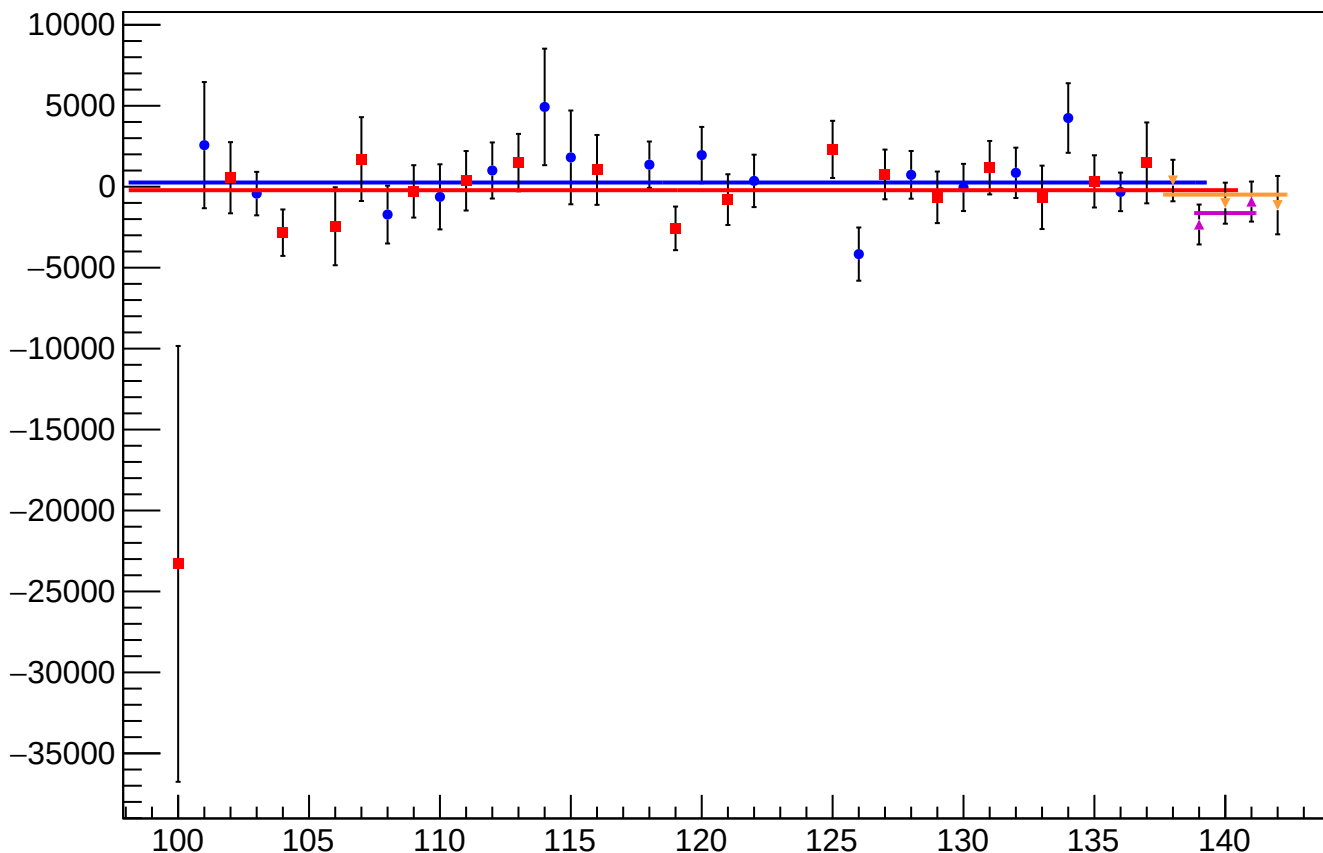
Left In: 425.068+/-0.231 χ^2/NDF : 54537.9/1

+ sign 399.551+/-0.098 χ^2/NDF : 1824866.9/18

All: 396.331+/-0.070 χ^2/NDF : 3652413.3/38

- sign 393.015+/-0.100 χ^2/NDF : 1825363.8/19

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF : 16.9/15

Left Out: -487.125+/-805.918 χ^2/NDF : 0.8/2

Right Out: -214.501+/-426.342 χ^2/NDF : 16.2/17

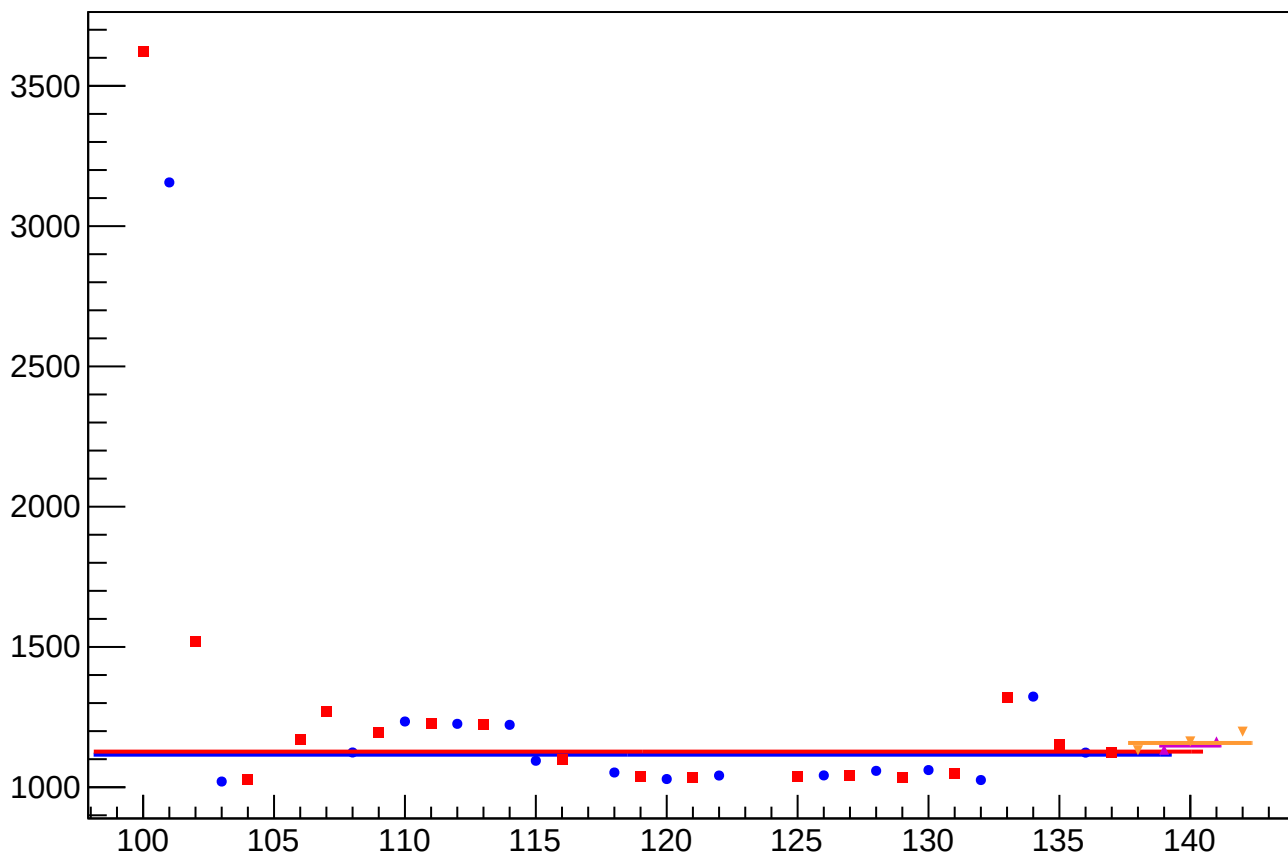
Left In: -1627.654+/-873.084 χ^2/NDF : 0.7/1

+ sign 97.966+/-375.693 χ^2/NDF : 18.4/18

All: -188.603+/-268.237 χ^2/NDF : 38.6/38

- sign -486.591+/-383.105 χ^2/NDF : 19.0/19

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089 +/- 0.300 χ^2/NDF : 623391.9/15

Left Out: 1157.811 +/- 0.570 χ^2/NDF : 1856.7/2

Right Out: 1126.960 +/- 0.301 χ^2/NDF : 222740.2/17

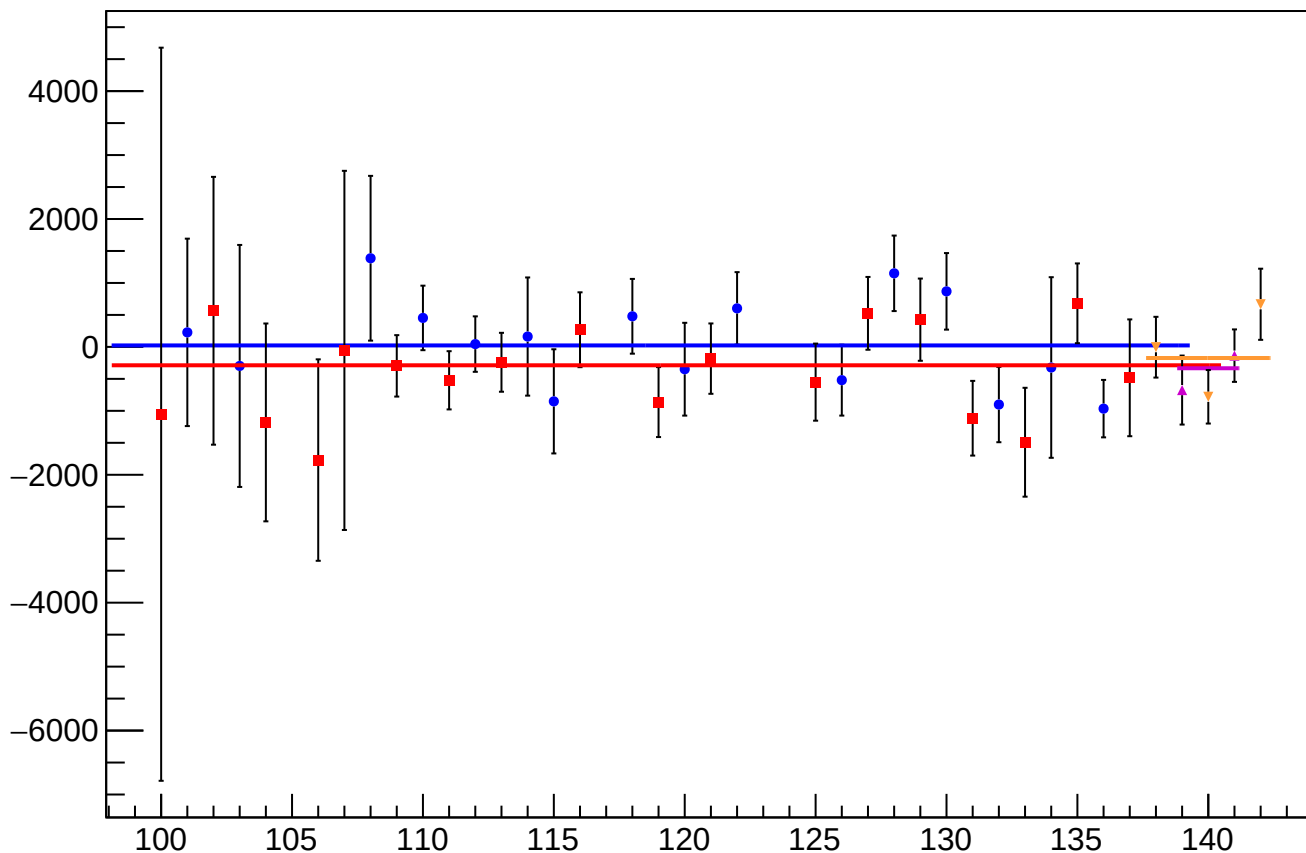
Left In: 1148.589 +/- 0.617 χ^2/NDF : 580.5/1

+ sign 1125.156 +/- 0.266 χ^2/NDF : 629443.8/18

All: 1128.082 +/- 0.190 χ^2/NDF : 854003.1/38

- sign 1131.125 +/- 0.271 χ^2/NDF : 224311.8/19

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 22.923+/-161.238 χ^2/NDF : 19.0/15

Left Out: -173.823+/-273.401 χ^2/NDF : 4.5/2

Right Out: -287.614+/-156.212 χ^2/NDF : 13.7/17

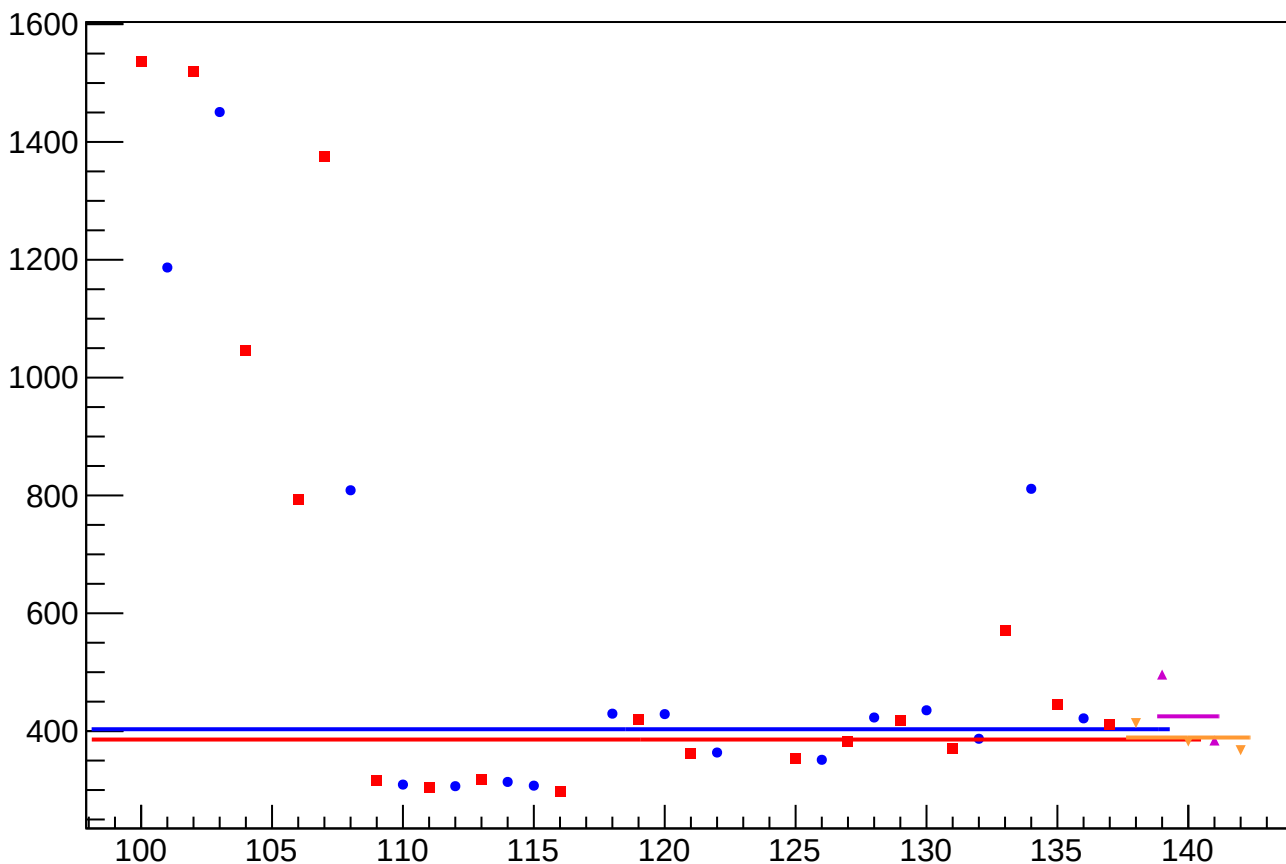
Left In: -334.029+/-326.576 χ^2/NDF : 0.6/1

+ sign -27.848+/-138.885 χ^2/NDF : 23.9/18

All: -160.099+/-98.918 χ^2/NDF : 40.0/38

- sign -296.257+/-140.920 χ^2/NDF : 14.3/19

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: 389.112+/-0.193 χ^2/NDF : 8826.0/2

Right Out: 385.682+/-0.110 χ^2/NDF : 1747152.2/17

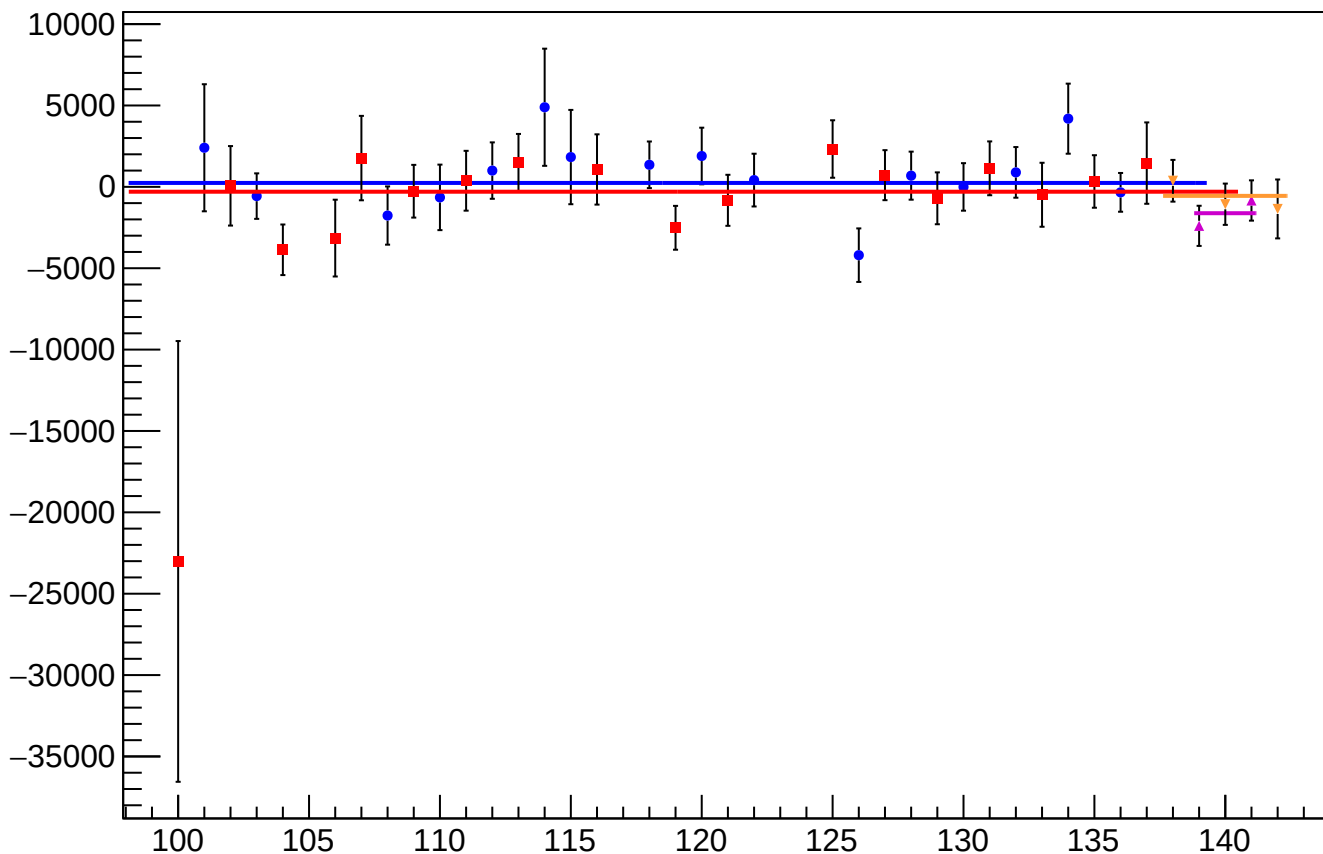
Left In: 425.068+/-0.231 χ^2/NDF : 54537.9/1

+ sign 399.551+/-0.098 χ^2/NDF : 1824866.9/18

All: 396.331+/-0.070 χ^2/NDF : 3652413.3/38

- sign 393.015+/-0.100 χ^2/NDF : 1825363.8/19

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827 $\pm$ 426.592 χ^2 /NDF: 17.0/15

Left Out: -554.322 $\pm$ 807.192 χ^2 /NDF:0.9/2

Right Out: -298.921 $\pm$ 430.767 χ^2 /NDF: 18.7/17

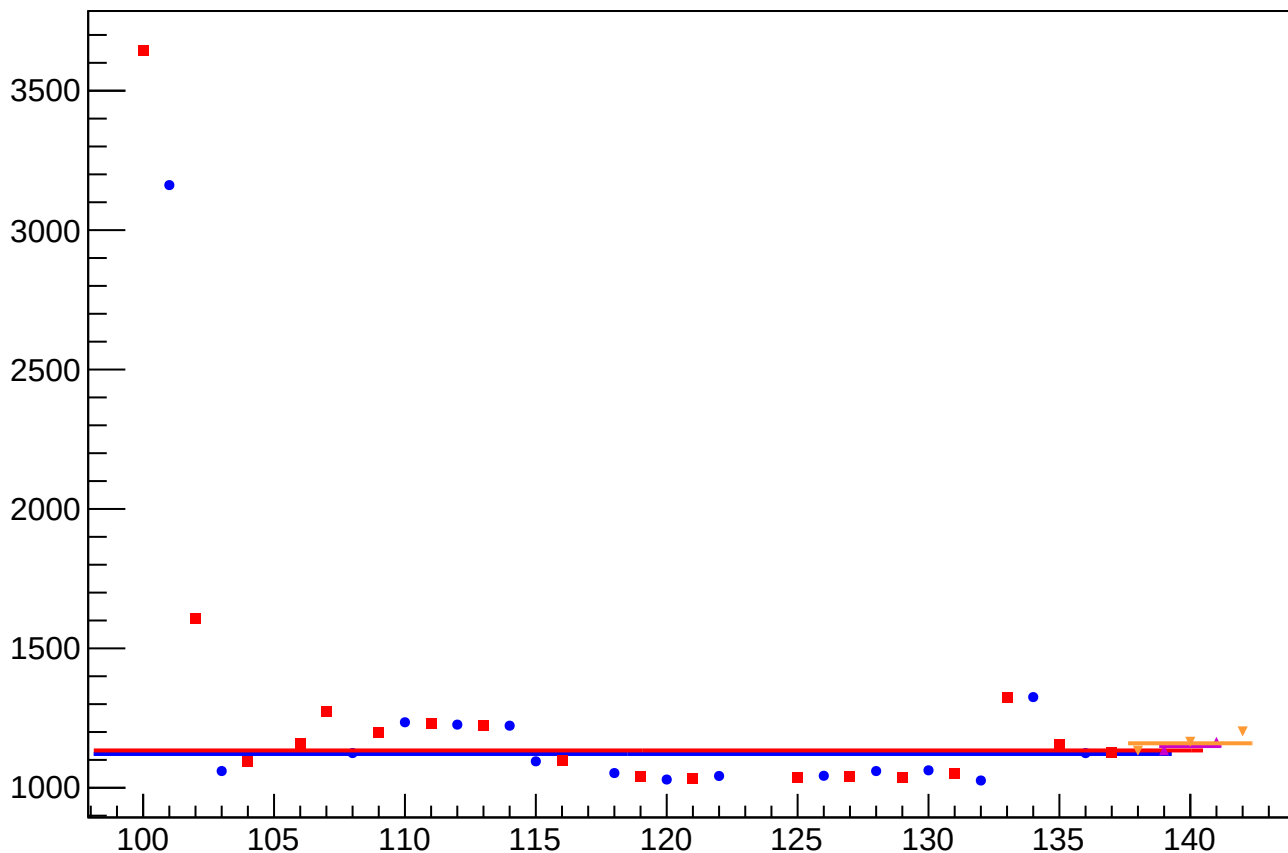
Left In: -1619.417 $\pm$ 873.939 χ^2 /NDF:0.8/1

+ sign 67.228 $\pm$ 377.161 χ^2 /NDF: 18.6/18

All: -237.365 $\pm$ 269.893 χ^2 /NDF: 41.2/38

- sign -557.031 $\pm$ 386.380 χ^2 /NDF: 21.3/19

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: 1159.588 $\pm$ 0.571 χ^2 /NDF:2005.2/2

Right Out: 1133.929 $\pm$ 0.305 χ^2 /NDF: 227457.1/17

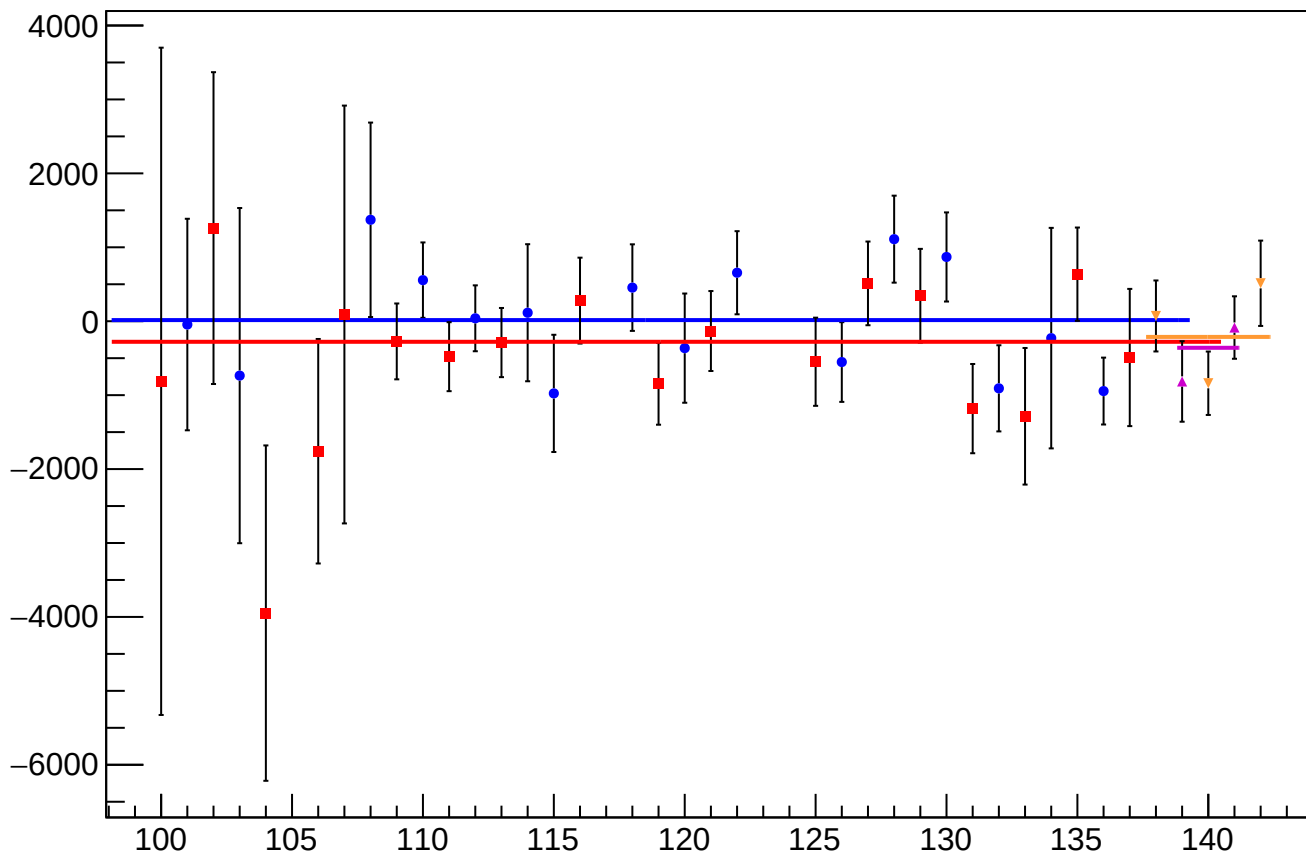
Left In: 1149.689 $\pm$ 0.618 χ^2 /NDF:588.8/1

+ sign 1129.654 $\pm$ 0.267 χ^2 /NDF: 622552.1/18

All: 1133.243 $\pm$ 0.191 χ^2 /NDF: 851492.4/38

- sign 1137.010 $\pm$ 0.273 χ^2 /NDF: 228569.2/19

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: -212.186+/-279.772 χ^2/NDF : 4.1/2

Right Out: -278.251+/-158.828 χ^2/NDF : 15.1/17

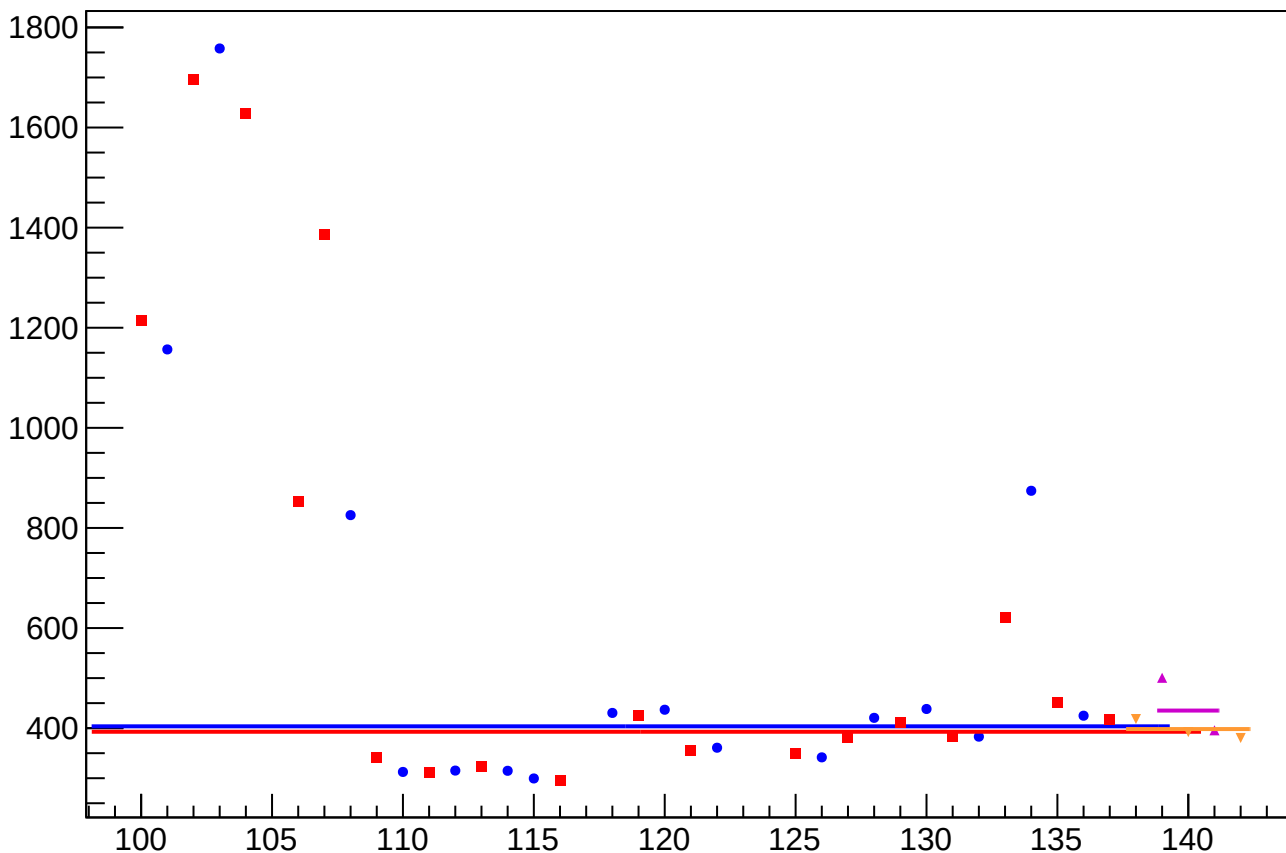
Left In: -359.433+/-333.826 χ^2/NDF : 1.1/1

+ sign -41.746+/-140.093 χ^2/NDF : 24.2/18

All: -164.539+/-100.217 χ^2/NDF : 42.0/38

- sign -293.236+/-143.422 χ^2/NDF : 16.2/19

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: 398.204+/-0.198 χ^2/NDF : 5782.5/2

Right Out: 392.820+/-0.112 χ^2/NDF : 2203456.1/17

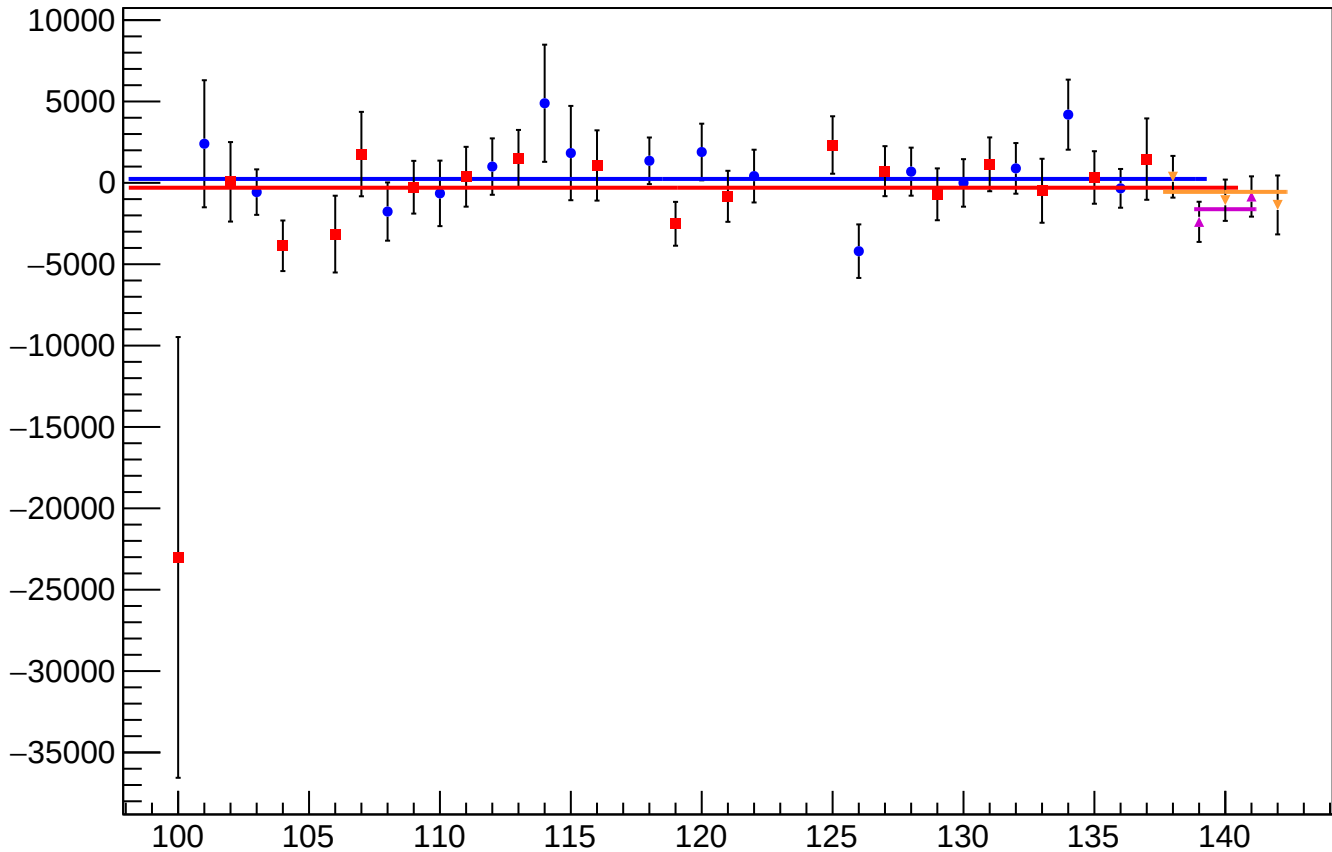
Left In: 435.151+/-0.236 χ^2/NDF : 46374.0/1

+ sign 402.289+/-0.099 χ^2/NDF : 1935949.0/18

All: 401.481+/-0.071 χ^2/NDF : 4212138.0/38

- sign 400.634+/-0.101 χ^2/NDF : 2276052.8/19

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829 $\pm$ 426.592 χ^2 /NDF: 17.0/15

Left Out: -554.328 $\pm$ 807.192 χ^2 /NDF:0.9/2

Right Out: -298.922 $\pm$ 430.767 χ^2 /NDF: 18.7/17

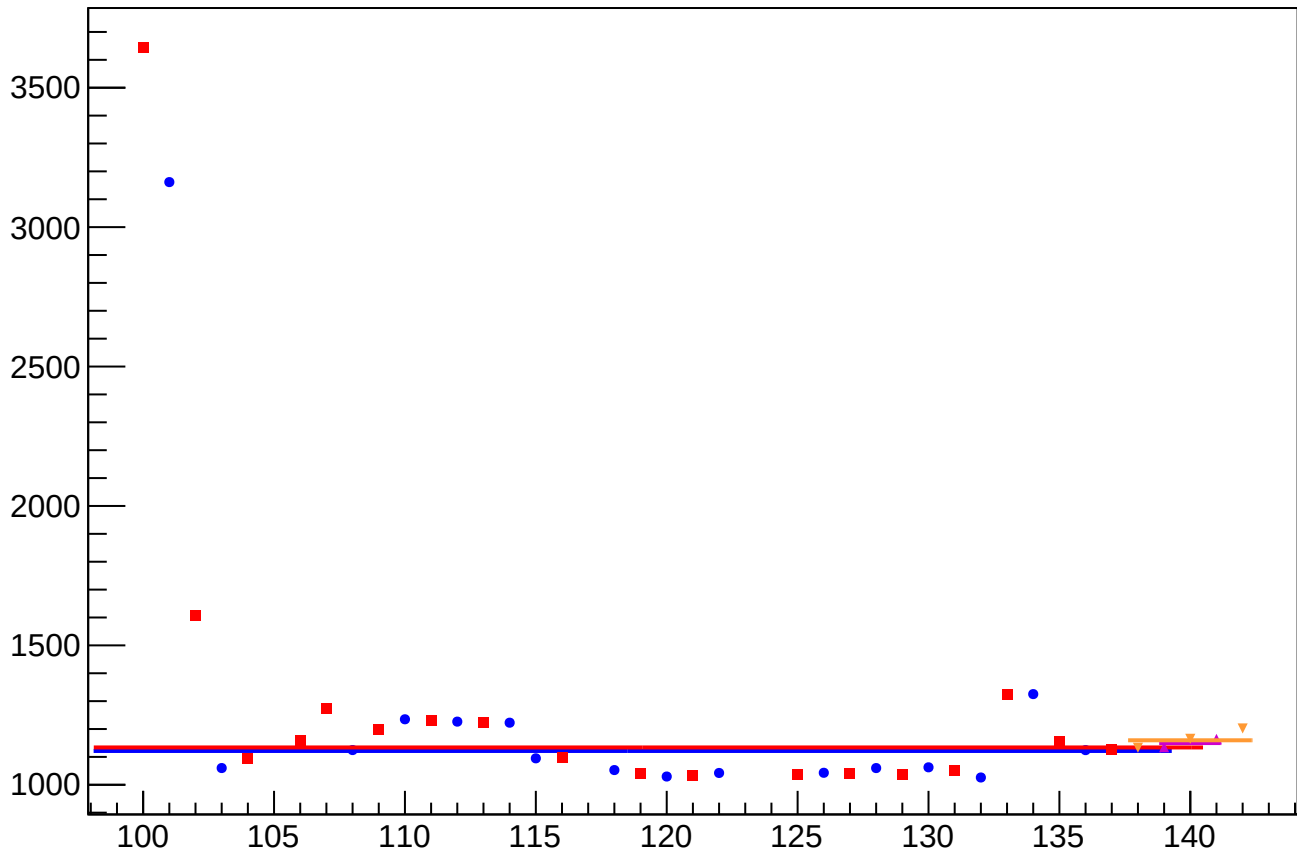
Left In: -1619.412 $\pm$ 873.939 χ^2 /NDF:0.8/1

+ sign 67.228 $\pm$ 377.161 χ^2 /NDF: 18.6/18

All: -237.365 $\pm$ 269.893 χ^2 /NDF: 41.2/38

- sign -557.031 $\pm$ 386.380 χ^2 /NDF: 21.3/19

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: 1159.588 $\pm$ 0.571 χ^2 /NDF:2005.2/2

Right Out: 1133.929 $\pm$ 0.305 χ^2 /NDF: 227457.1/17

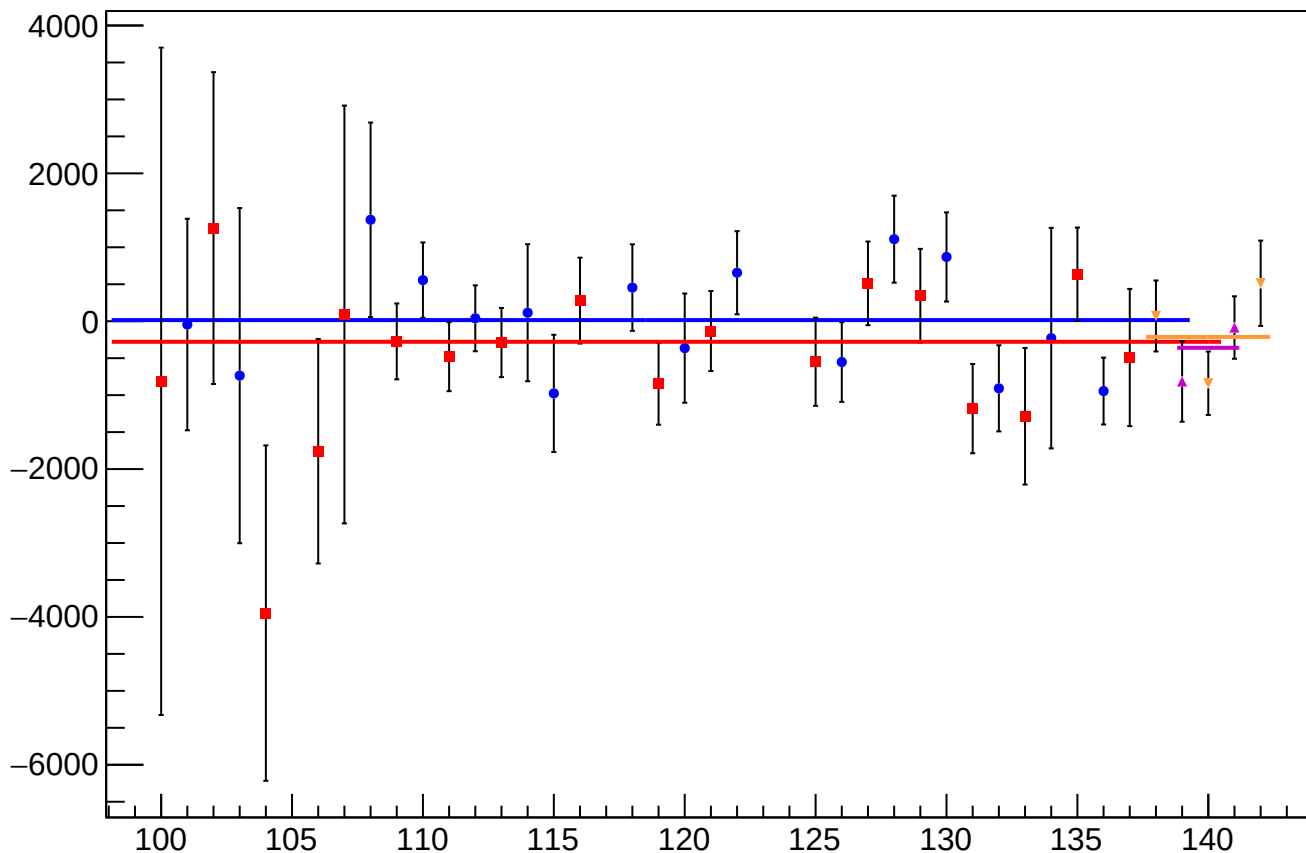
Left In: 1149.689 $\pm$ 0.618 χ^2 /NDF:588.8/1

+ sign 1129.654 $\pm$ 0.267 χ^2 /NDF: 622552.1/18

All: 1133.243 $\pm$ 0.191 χ^2 /NDF: 851492.5/38

- sign 1137.010 $\pm$ 0.273 χ^2 /NDF: 228569.3/19

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 15.288 $\pm$ 161.844 χ^2 /NDF: 19.6/15

Left Out: -212.196 $\pm$ 279.772 χ^2 /NDF: 4.1/2

Right Out: -278.249 $\pm$ 158.826 χ^2 /NDF: 15.1/17

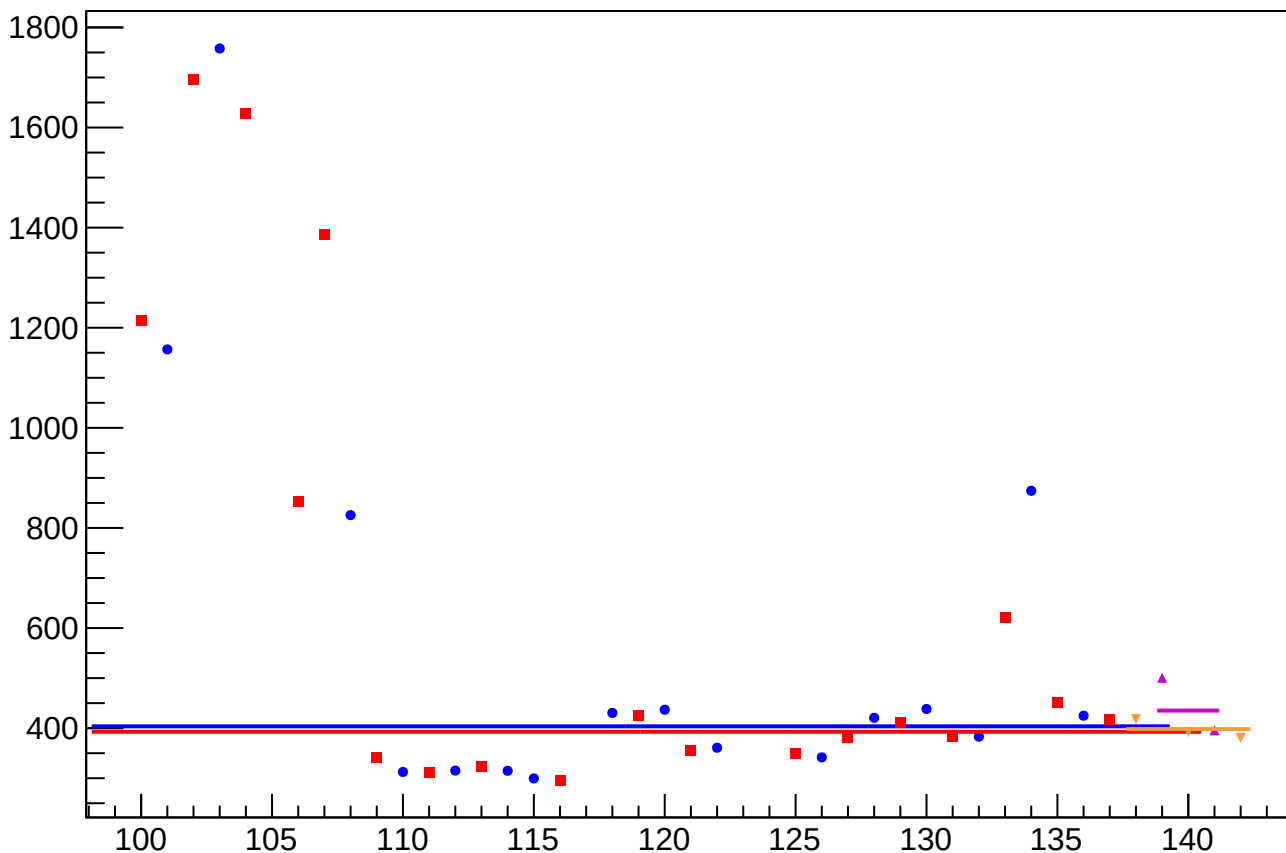
Left In: -359.434 $\pm$ 333.826 χ^2 /NDF: 1.1/1

+ sign -41.751 $\pm$ 140.092 χ^2 /NDF: 24.2/18

All: -164.540 $\pm$ 100.216 χ^2 /NDF: 42.0/38

- sign -293.234 $\pm$ 143.421 χ^2 /NDF: 16.2/19

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: 398.204±0.198 χ^2/NDF : 5779.9/2

Right Out: 392.817±0.112 χ^2/NDF : 2203462.7/17

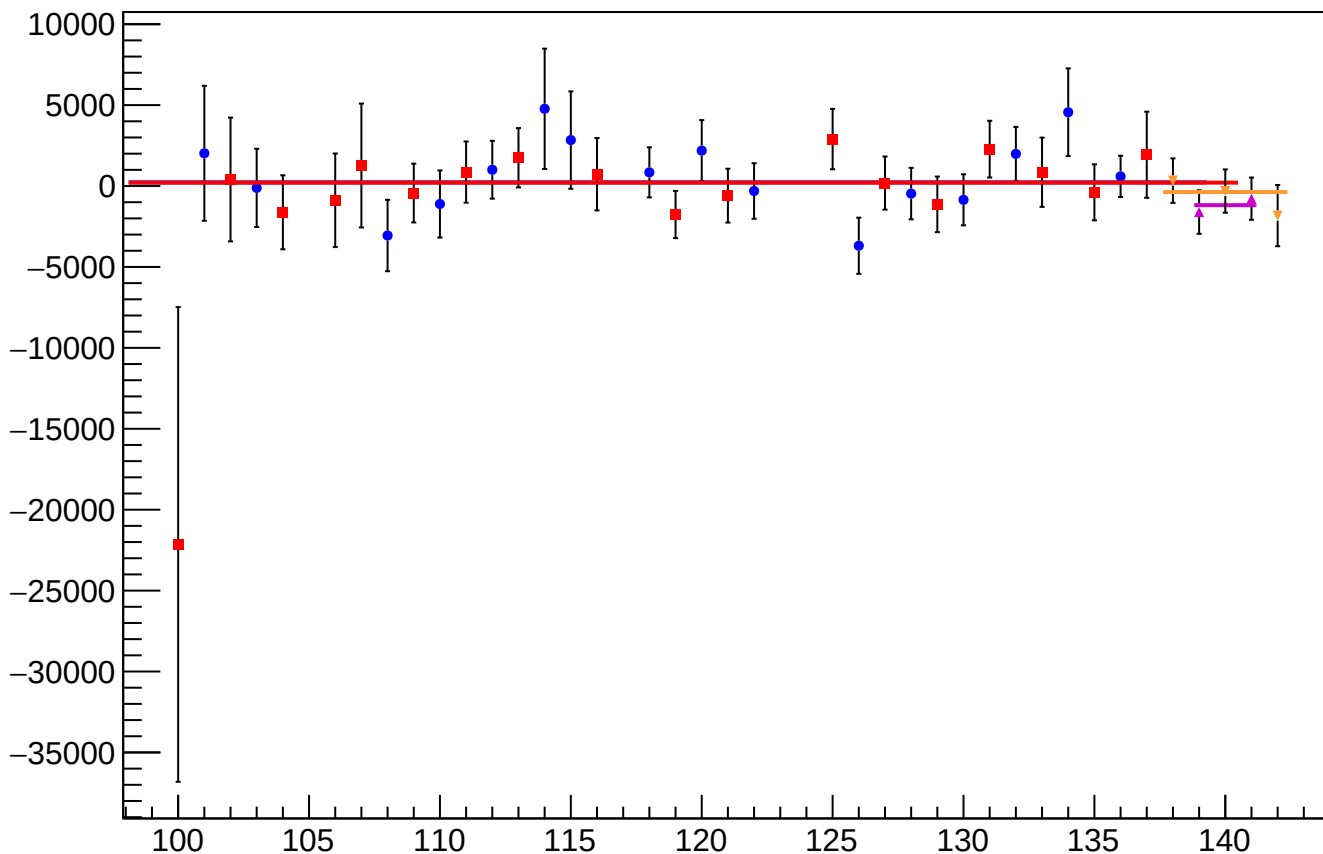
Left In: 435.150±0.236 χ^2/NDF : 46372.8/1

+ sign 402.287±0.099 χ^2/NDF : 1935942.6/18

All: 401.478±0.071 χ^2/NDF : 4212140.1/38

- sign 400.631±0.101 χ^2/NDF : 2276061.1/19

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817 $\pm$ 474.559 χ^2 /NDF: 16.1/15

Left Out: -371.566 $\pm$ 854.840 χ^2 /NDF:0.9/2

Right Out: 209.751 $\pm$ 477.820 χ^2 /NDF: 11.0/17

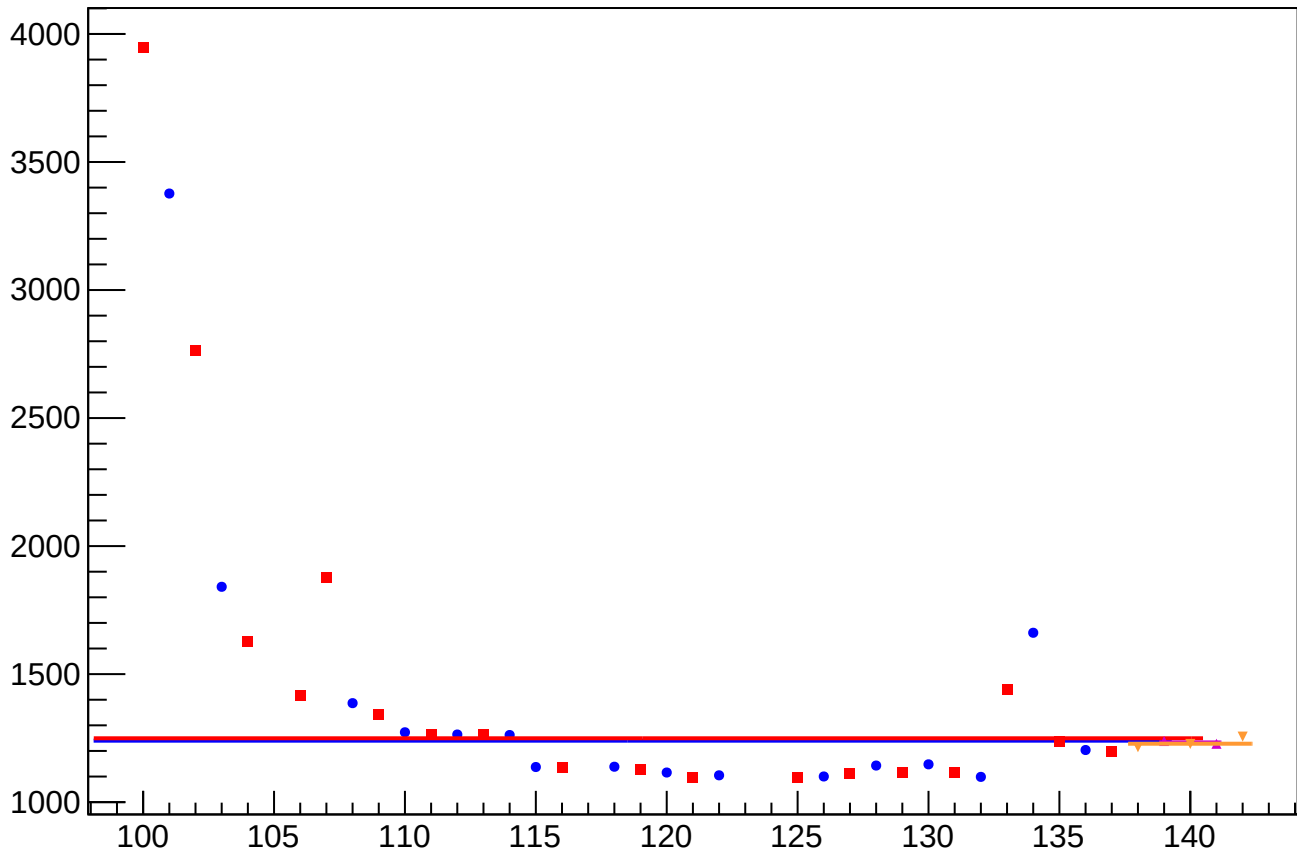
Left In: -1181.681 $\pm$ 937.373 χ^2 /NDF:0.2/1

+ sign 84.320 $\pm$ 414.911 χ^2 /NDF: 17.4/18

All: 5.619 $\pm$ 297.129 χ^2 /NDF: 30.3/38

- sign -77.228 $\pm$ 425.703 χ^2 /NDF: 12.9/19

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF : 782679.7/15

Left Out: 1228.207+/-0.604 χ^2/NDF : 627.2/2

Right Out: 1249.410+/-0.338 χ^2/NDF : 606099.2/17

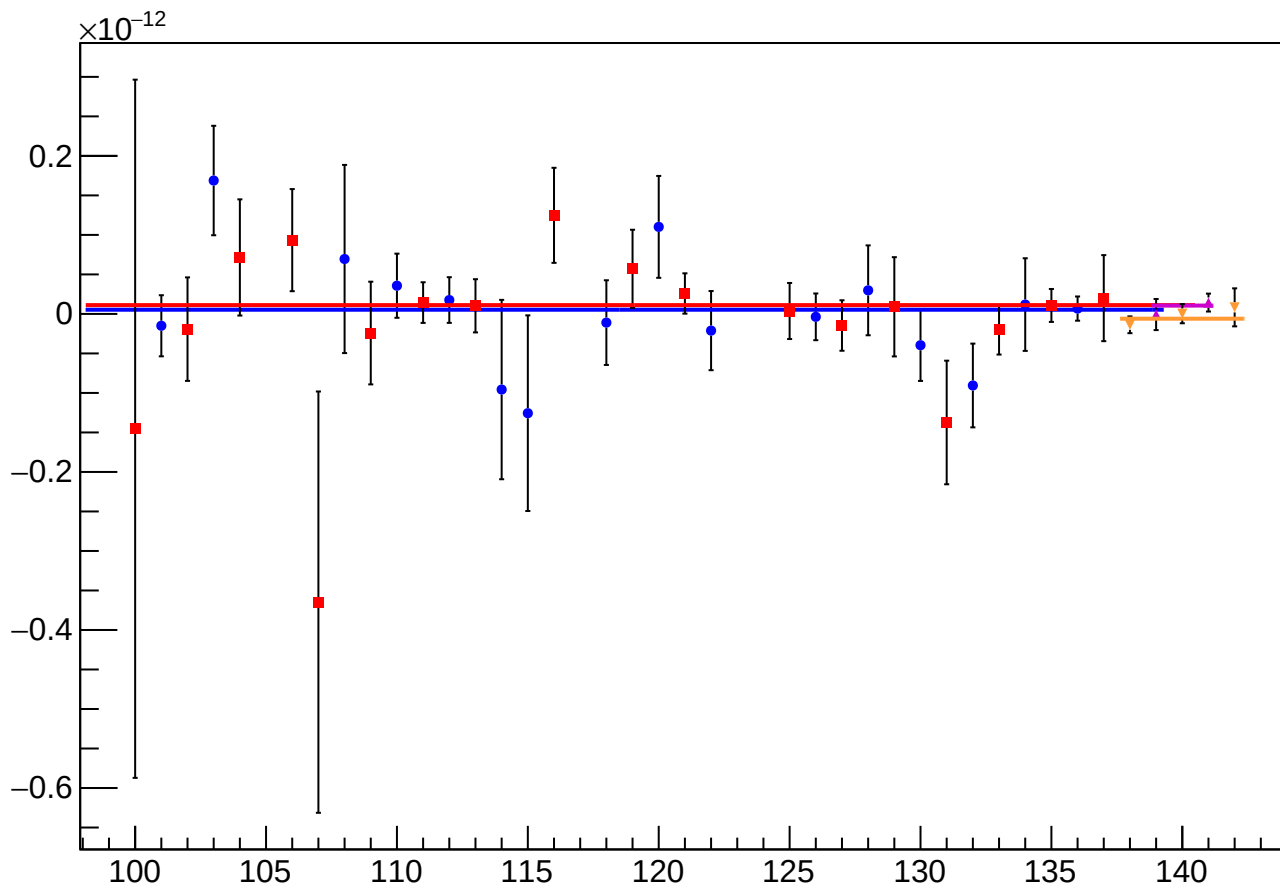
Left In: 1233.296+/-0.663 χ^2/NDF : 66.3/1

+ sign 1237.329+/-0.293 χ^2/NDF : 783604.8/18

All: 1241.595+/-0.210 χ^2/NDF : 1390673.6/38

- sign 1246.087+/-0.301 χ^2/NDF : 606634.6/19

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: 1.2/2

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

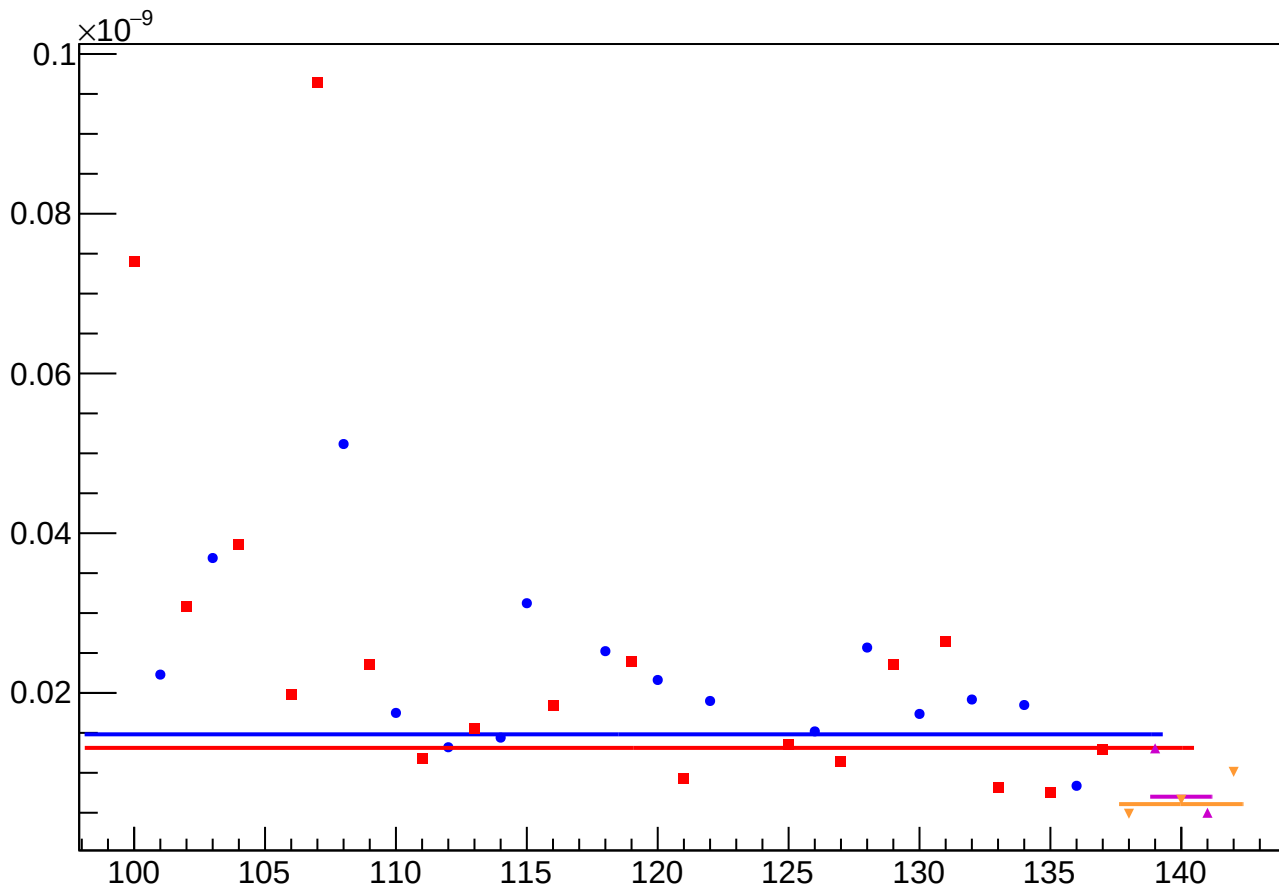
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.8/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.5/19

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 : 86096.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1181949.6/17

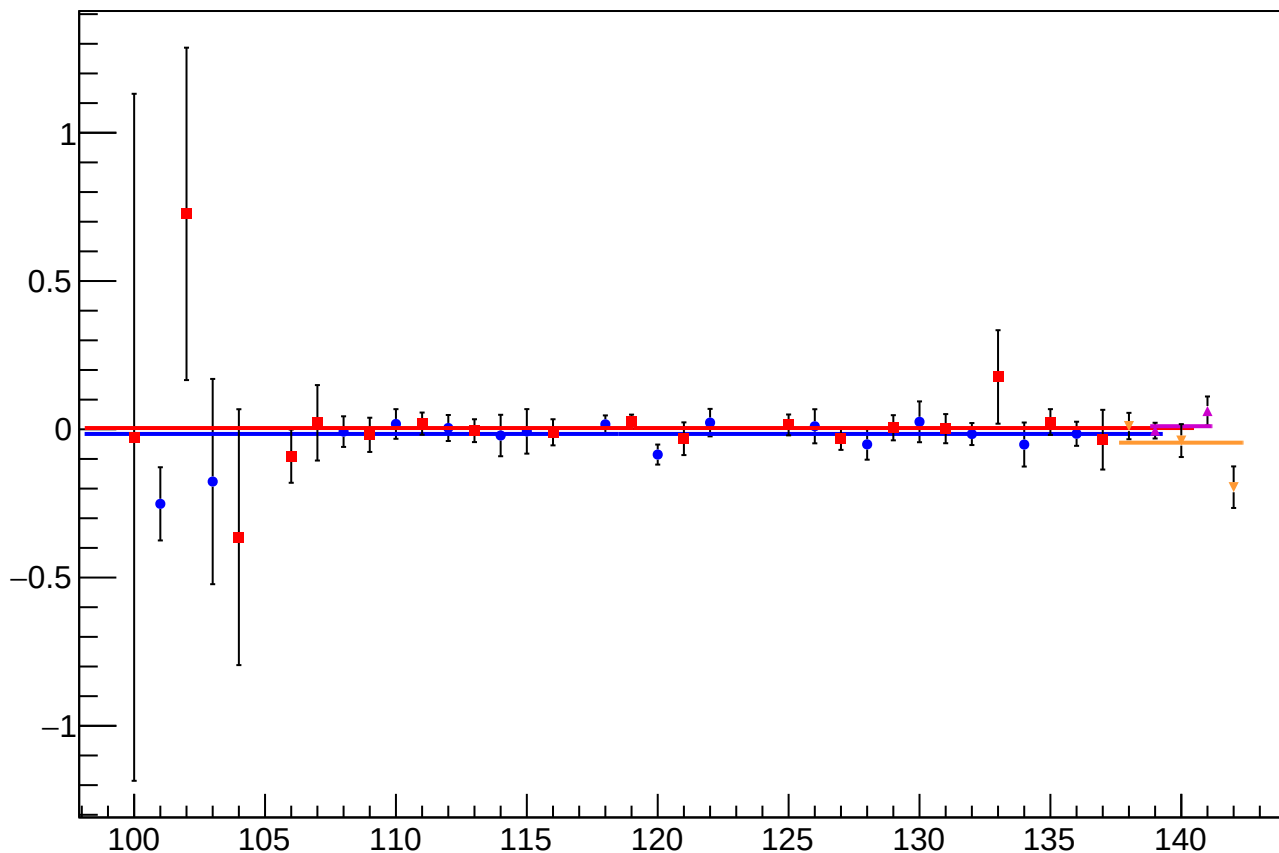
Left In: 0.000+/-0.000 χ^2/NDF : 252163.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 2179104.9/18

All: 0.000+/-0.000 χ^2/NDF : 4033546.9/38

- sign 0.000+/-0.000 χ^2/NDF : 1839404.1/19

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 11.9/15

Left Out: -0.045 ± 0.031 χ^2/NDF : 6.2/2

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

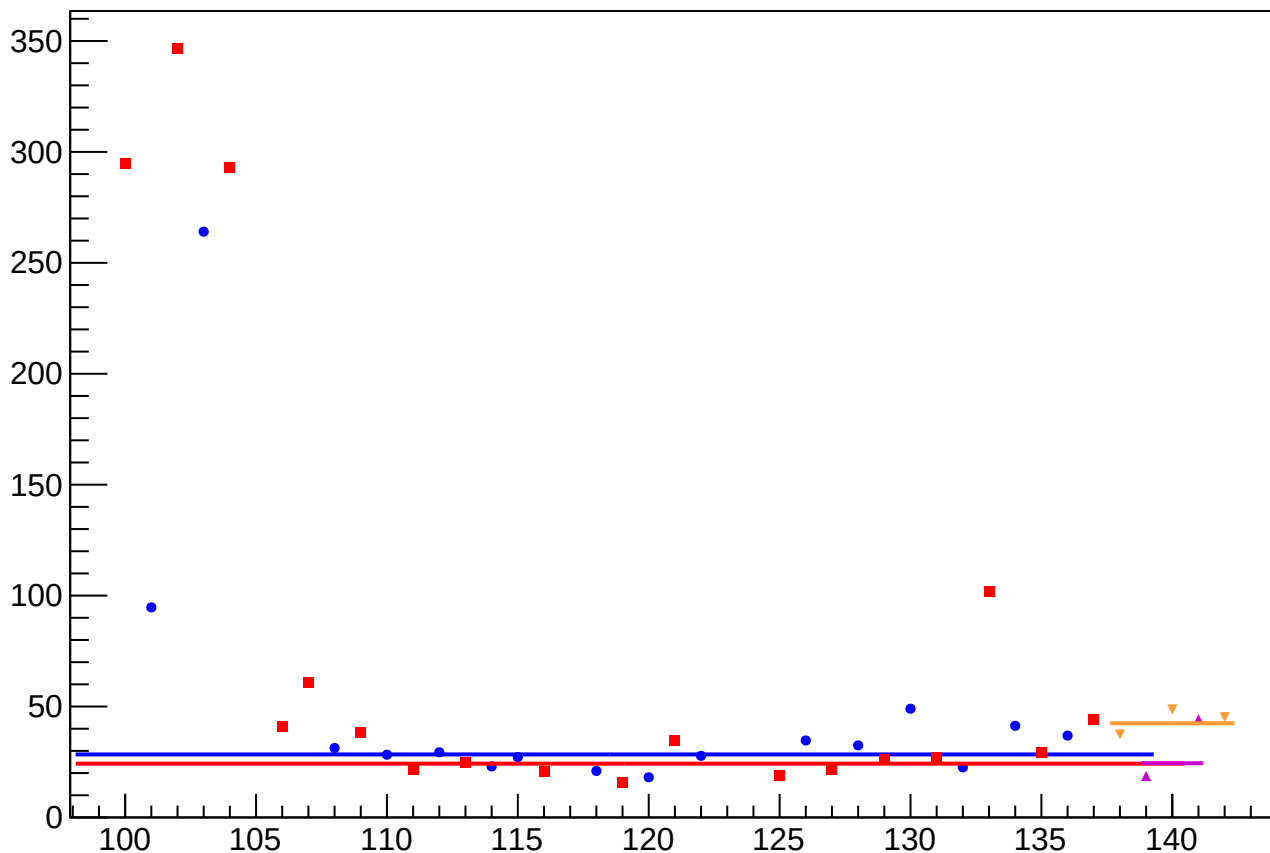
Left In: 0.010 ± 0.023 χ^2/NDF : 1.4/1

+ sign -0.020 ± 0.011 χ^2/NDF : 18.9/18

All: -0.006 ± 0.008 χ^2/NDF : 30.8/38

- sign 0.005 ± 0.010 χ^2/NDF : 9.3/19

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411 $\pm$ 0.009 χ^2 /NDF: 2245642.8/15

Left Out: 42.471 $\pm$ 0.022 χ^2 /NDF: 53875.2/2

Right Out: 24.255 $\pm$ 0.008 χ^2 /NDF: 2913469.3/17

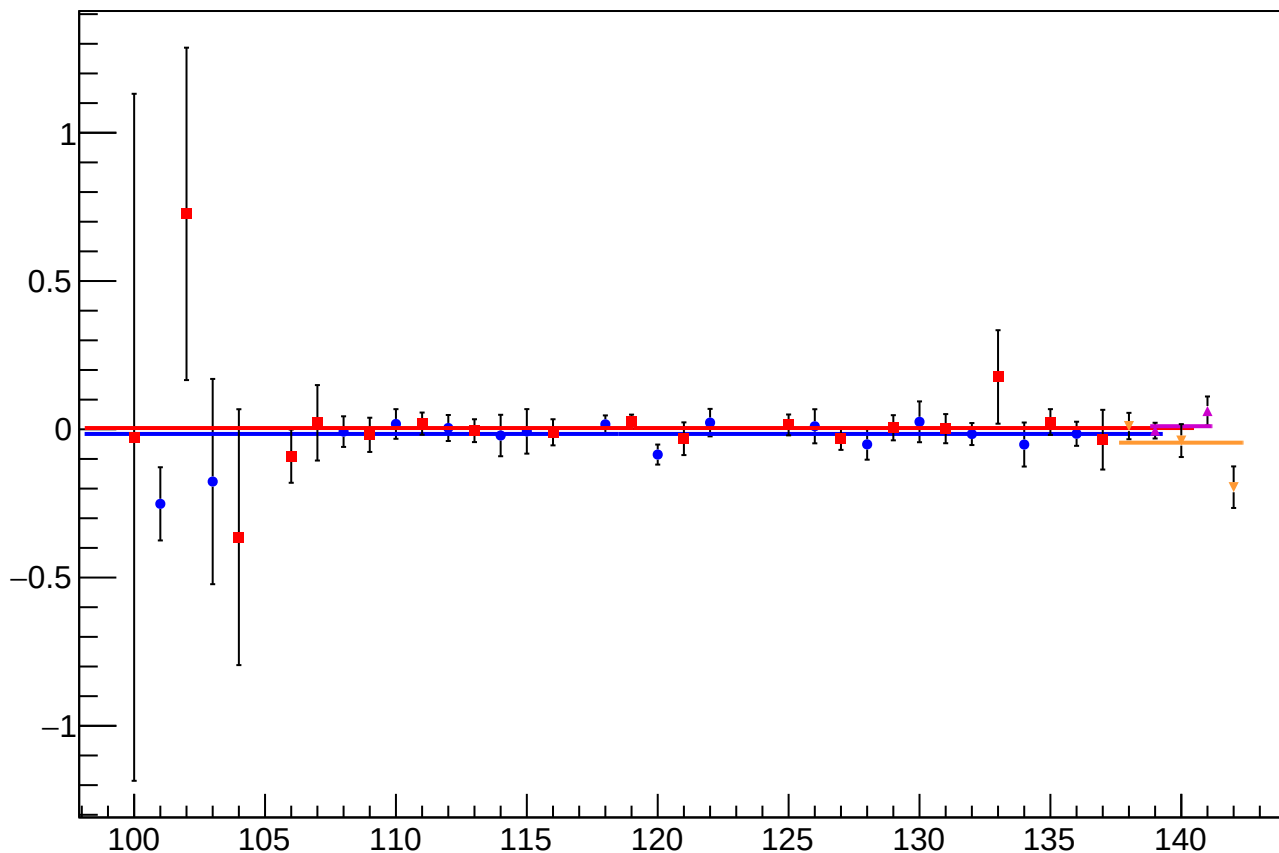
Left In: 24.451 $\pm$ 0.016 χ^2 /NDF: 421301.8/1

+ sign 30.314 $\pm$ 0.008 χ^2 /NDF: 2652741.6/18

All: 26.979 $\pm$ 0.005 χ^2 /NDF: 6294242.5/38

- sign 24.293 $\pm$ 0.007 χ^2 /NDF: 3334884.2/19

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 11.9/15

Left Out: -0.045 ± 0.031 χ^2/NDF : 6.2/2

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

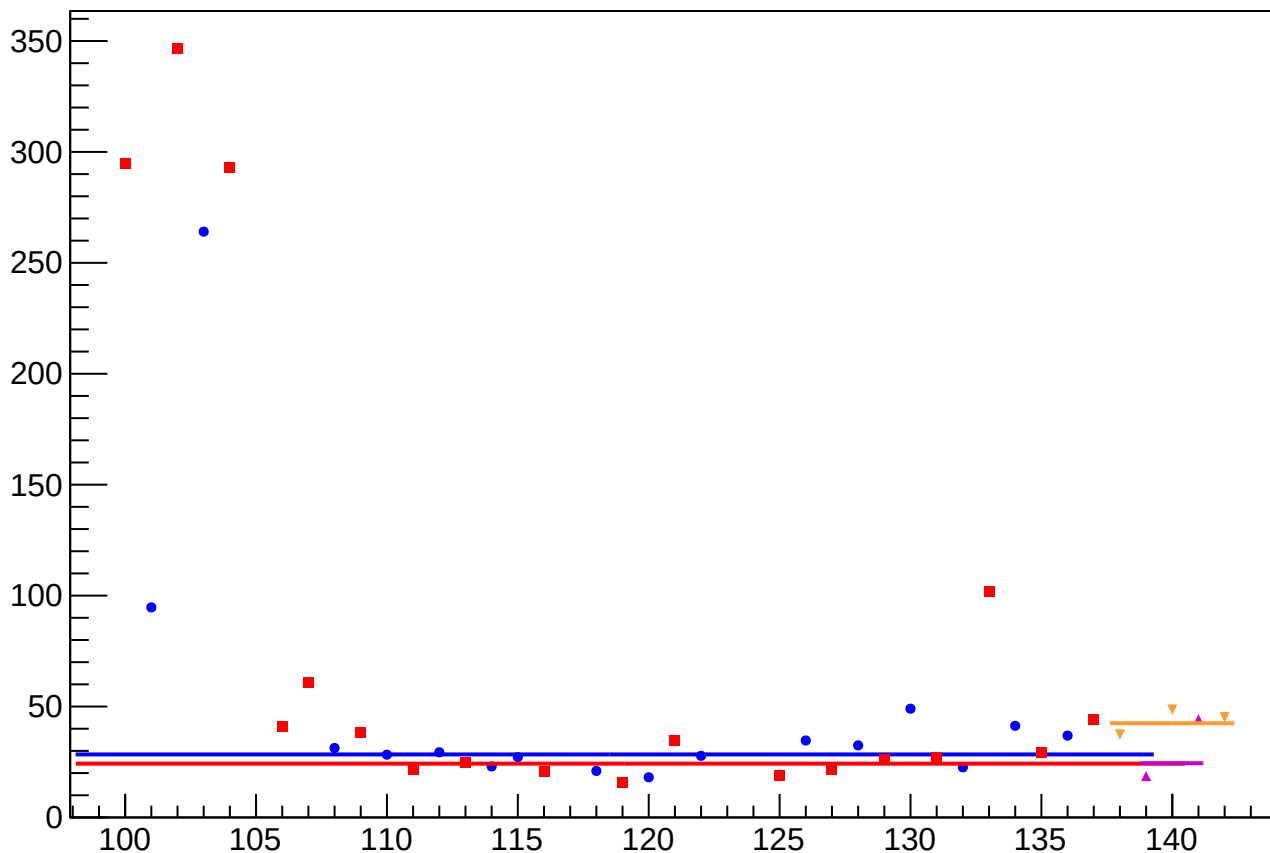
Left In: 0.010 ± 0.023 χ^2/NDF : 1.4/1

+ sign -0.020 ± 0.011 χ^2/NDF : 18.9/18

All: -0.006 ± 0.008 χ^2/NDF : 30.8/38

- sign 0.005 ± 0.010 χ^2/NDF : 9.3/19

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF : 2245642.8/15

Left Out: 42.471+/-0.022 χ^2/NDF : 53875.2/2

Right Out: 24.255+/-0.008 χ^2/NDF : 2913469.3/17

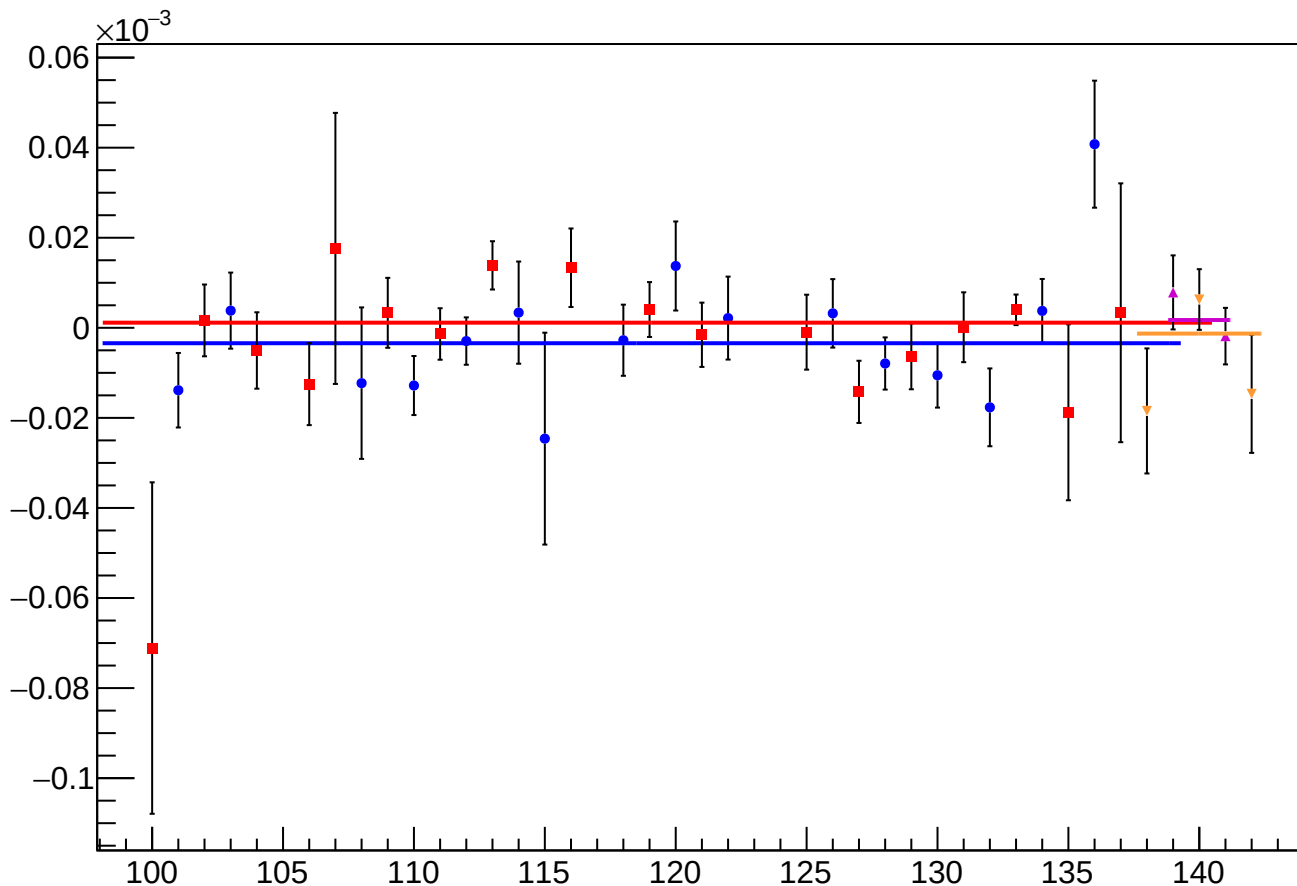
Left In: 24.451+/-0.016 χ^2/NDF : 421301.8/1

+ sign 30.314+/-0.008 χ^2/NDF : 2652741.6/18

All: 26.979+/-0.005 χ^2/NDF : 6294242.5/38

- sign 24.293+/-0.007 χ^2/NDF : 3334884.2/19

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 3.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/17

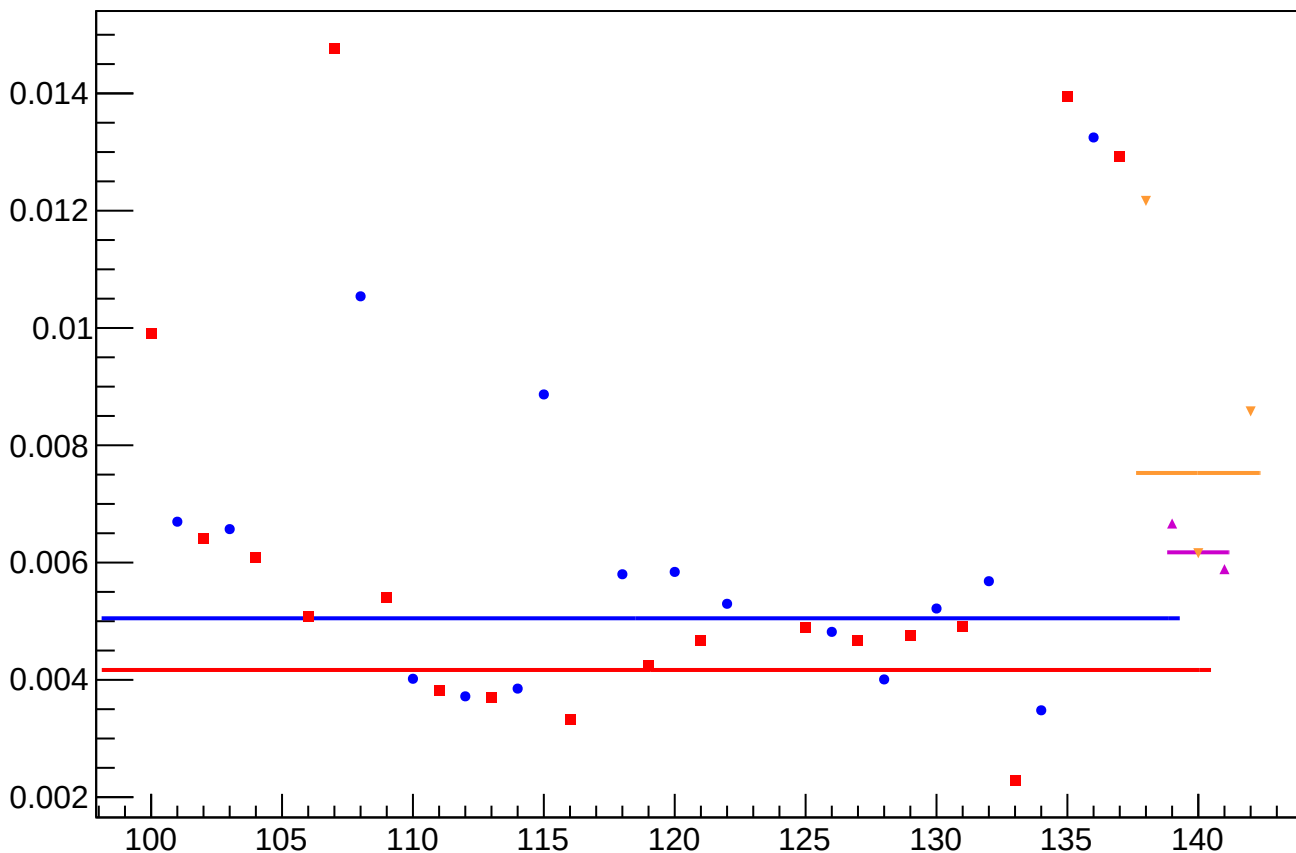
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 29.1/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 56.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.9/19

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: 0.008+/-0.000 χ^2/NDF :318527.0/2

Right Out: 0.004+/-0.000 χ^2/NDF : 2041975.6/17

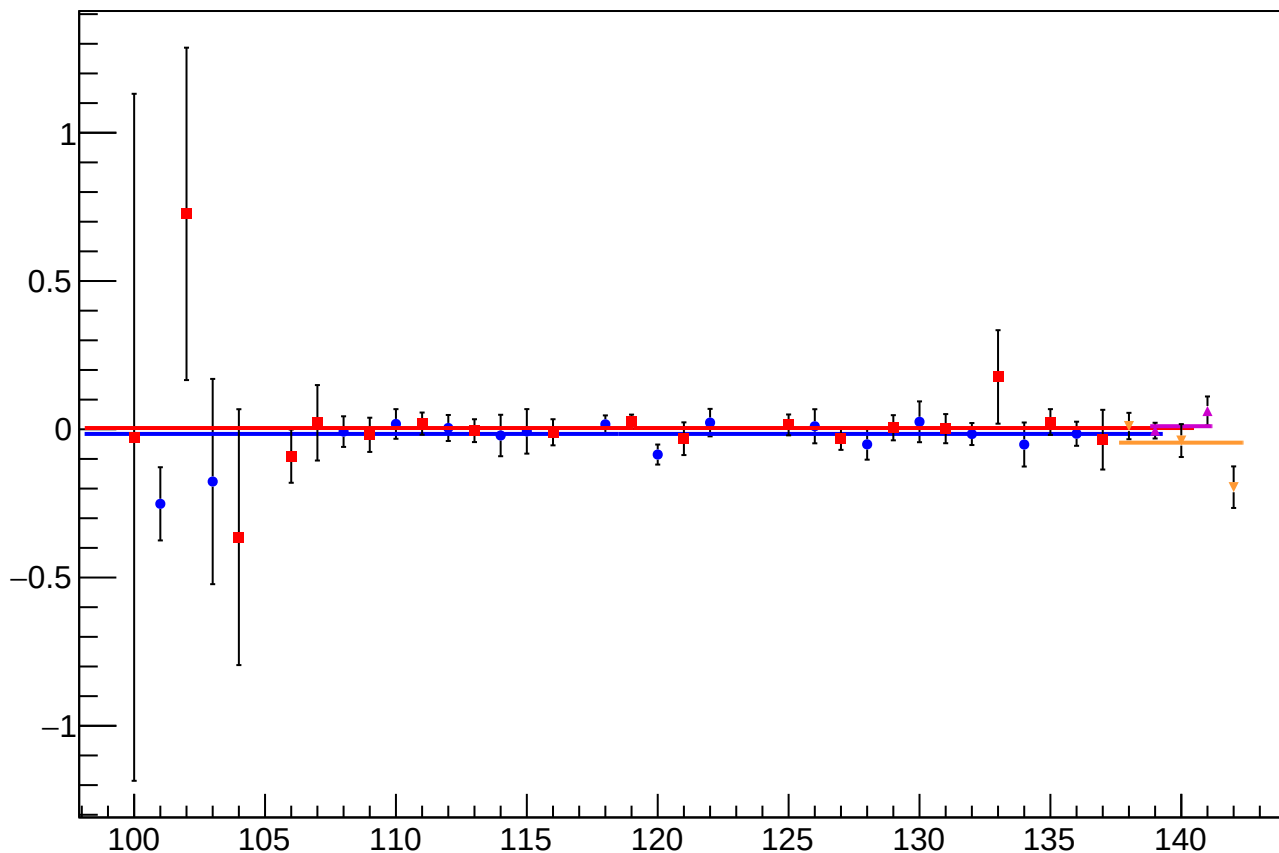
Left In: 0.006+/-0.000 χ^2/NDF :11314.8/1

+ sign 0.005+/-0.000 χ^2/NDF : 2170035.7/18

All: 0.005+/-0.000 χ^2/NDF : 4815841.2/38

- sign 0.004+/-0.000 χ^2/NDF : 2342972.0/19

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: -0.045 ± 0.031 χ^2/NDF : 6.2/2

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

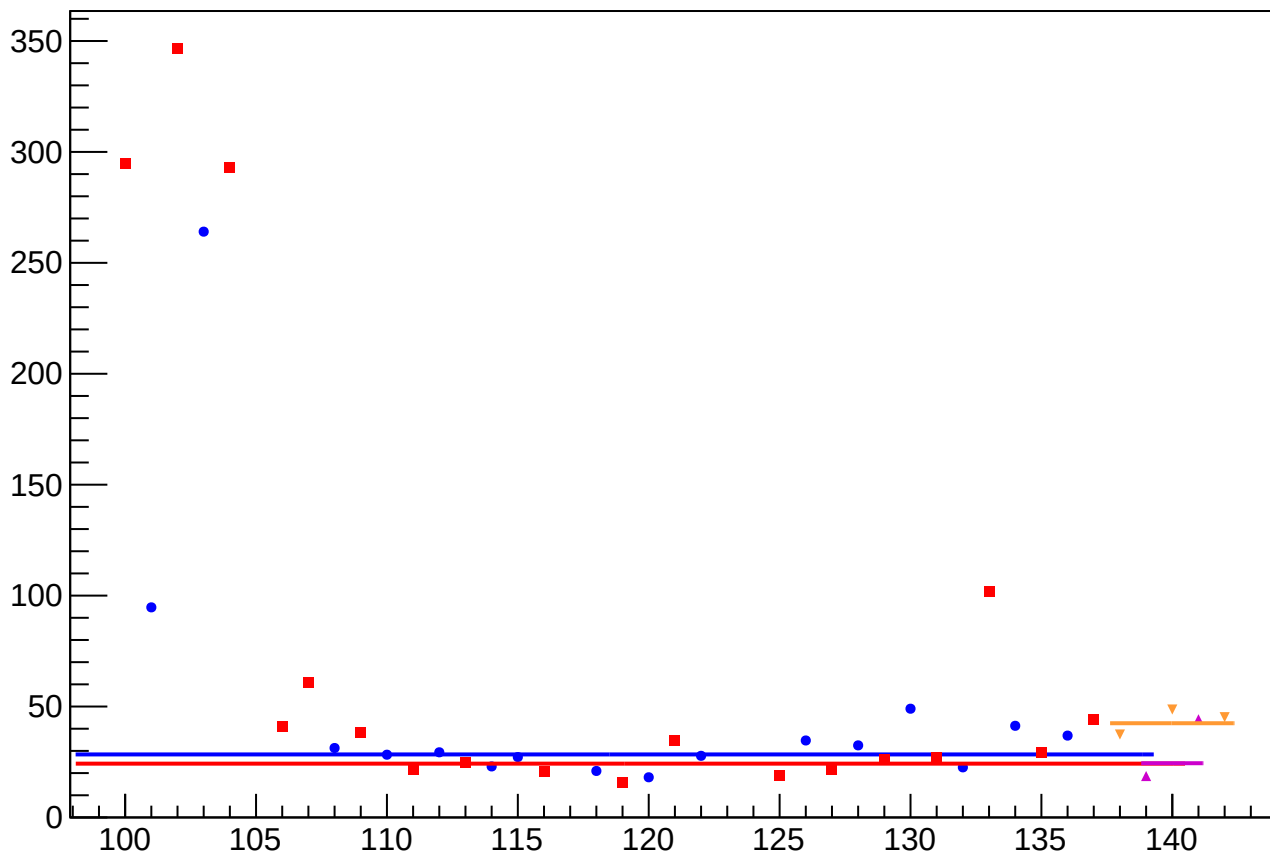
Left In: 0.010 ± 0.023 χ^2/NDF : 1.4/1

+ sign -0.020 ± 0.011 χ^2/NDF : 18.9/18

All: -0.006 ± 0.008 χ^2/NDF : 30.8/38

- sign 0.005 ± 0.010 χ^2/NDF : 9.3/19

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF : 2245663.3/15

Left Out: 42.472+/-0.022 χ^2/NDF : 53921.2/2

Right Out: 24.254+/-0.008 χ^2/NDF : 2913710.0/17

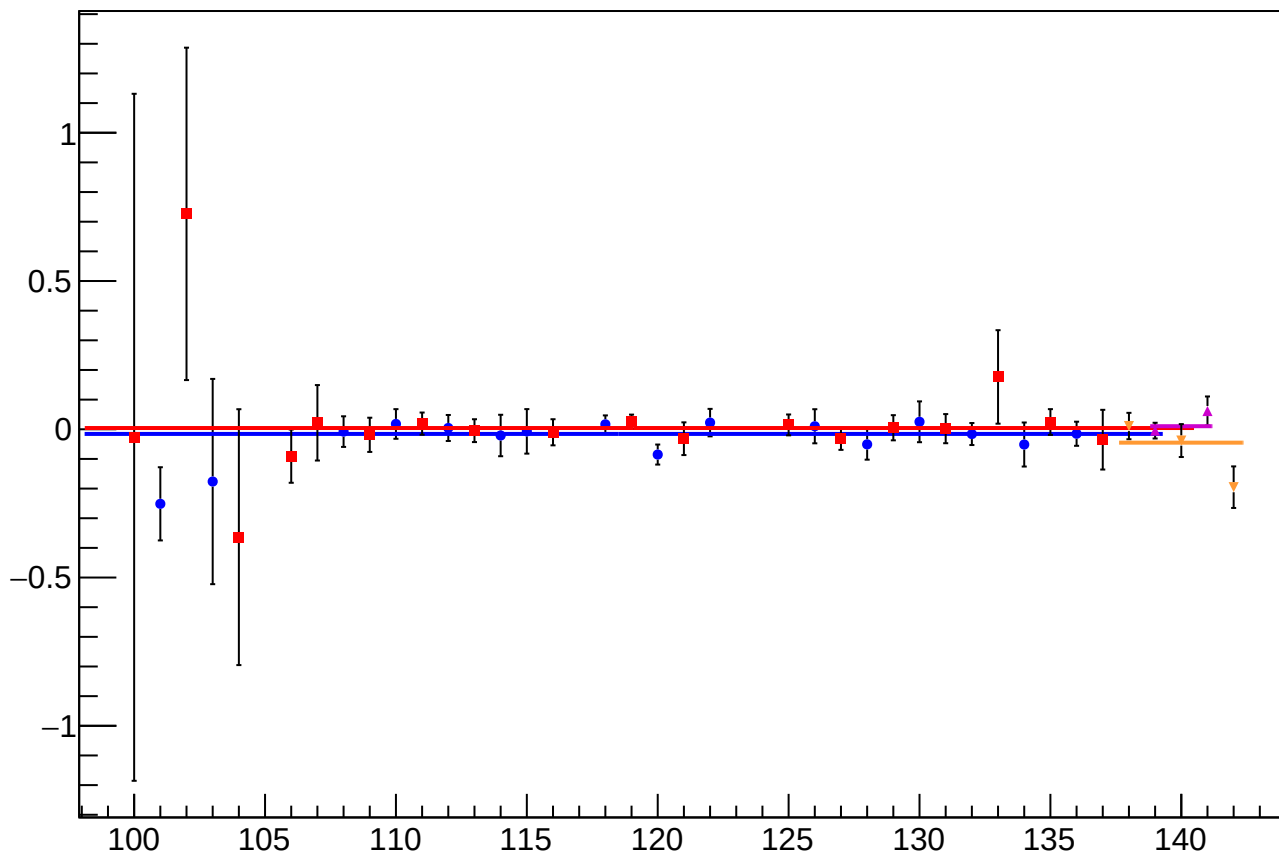
Left In: 24.448+/-0.016 χ^2/NDF : 421484.4/1

+ sign 30.314+/-0.008 χ^2/NDF : 2652877.9/18

All: 26.978+/-0.005 χ^2/NDF : 6294996.9/38

- sign 24.292+/-0.007 χ^2/NDF : 3335306.5/19

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 11.9/15

Left Out: -0.045 ± 0.031 χ^2/NDF : 6.2/2

Right Out: 0.004 ± 0.011 χ^2/NDF : 7.9/17

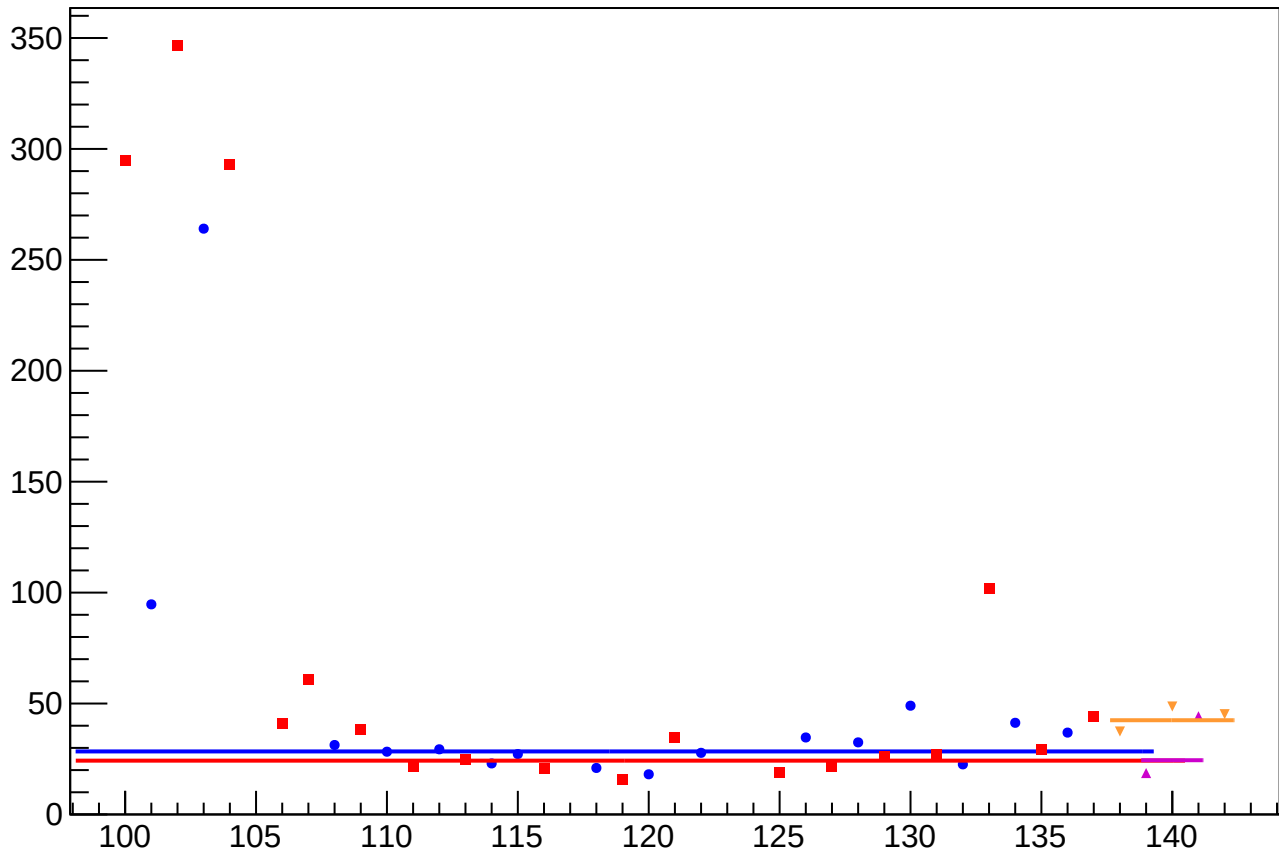
Left In: 0.010 ± 0.023 χ^2/NDF : 1.4/1

+ sign -0.020 ± 0.011 χ^2/NDF : 18.9/18

All: -0.006 ± 0.008 χ^2/NDF : 30.8/38

- sign 0.005 ± 0.010 χ^2/NDF : 9.3/19

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411 ± 0.009 χ^2/NDF : 2245663.3/15

Left Out: 42.472 ± 0.022 χ^2/NDF : 53921.2/2

Right Out: 24.254 ± 0.008 χ^2/NDF : 2913710.0/17

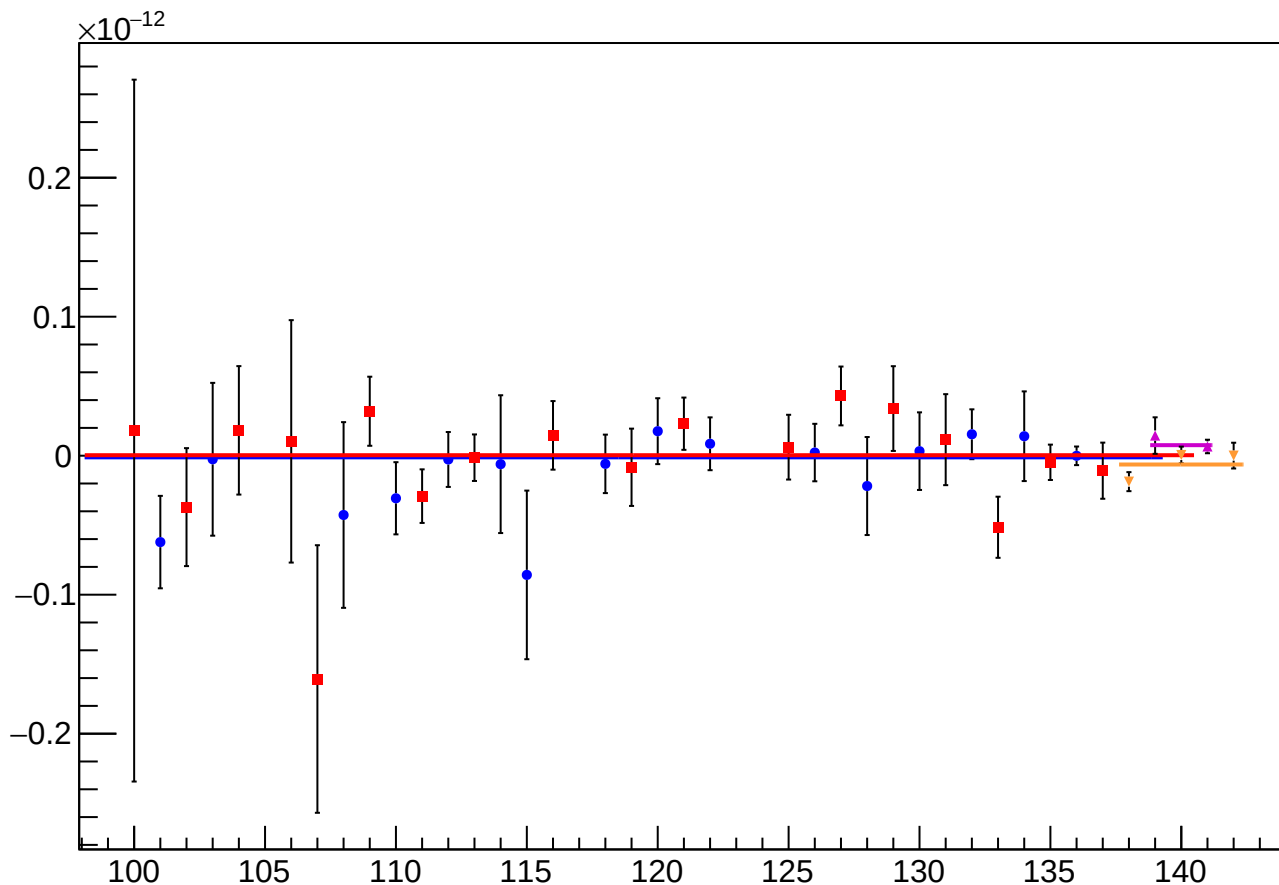
Left In: 24.448 ± 0.016 χ^2/NDF : 421484.4/1

+ sign 30.314 ± 0.008 χ^2/NDF : 2652877.9/18

All: 26.978 ± 0.005 χ^2/NDF : 6294996.9/38

- sign 24.292 ± 0.007 χ^2/NDF : 3335306.5/19

asym_us_dd_atlr_dd_dd_eigen_cor_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:5.0/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/17

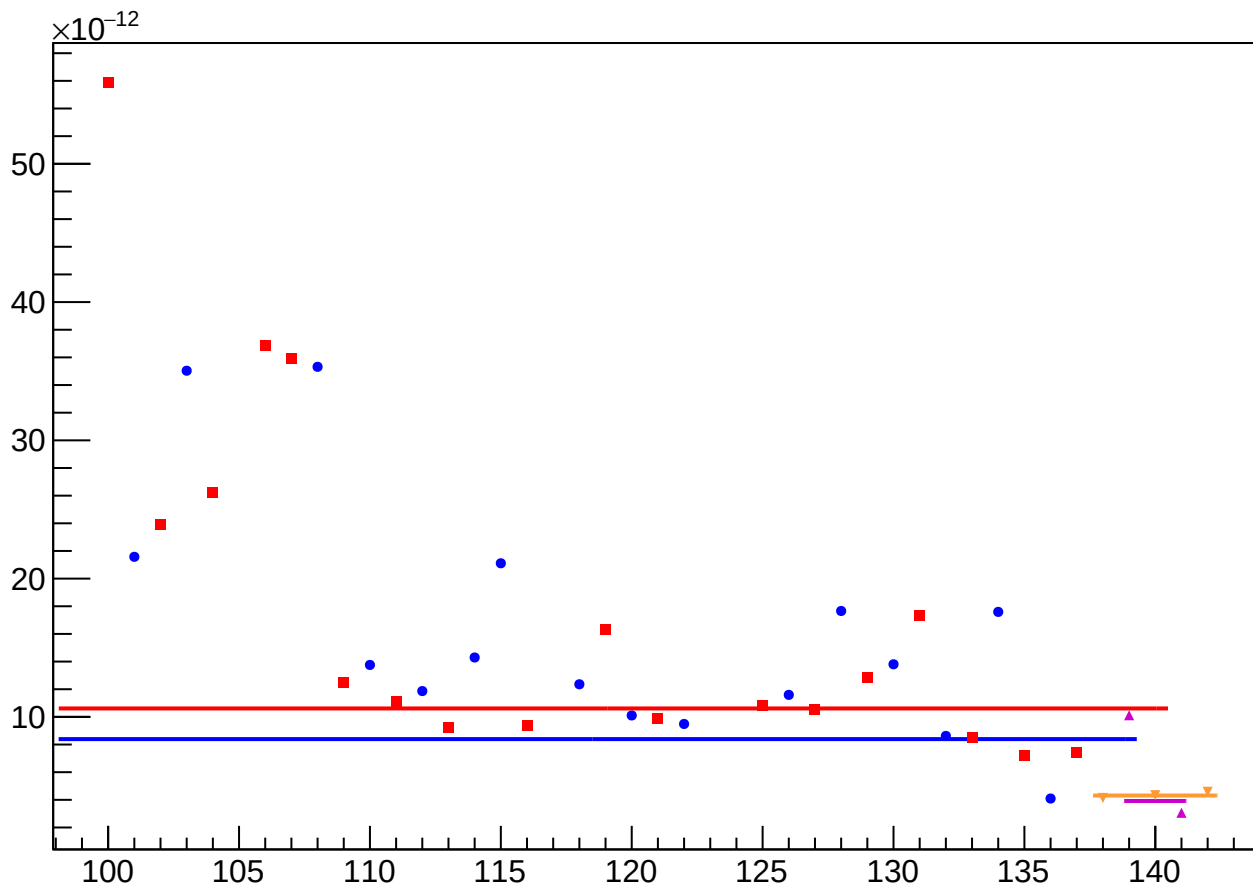
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.3/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 41.1/38

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.4/19

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2710106.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3033.7/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1233909.7/17

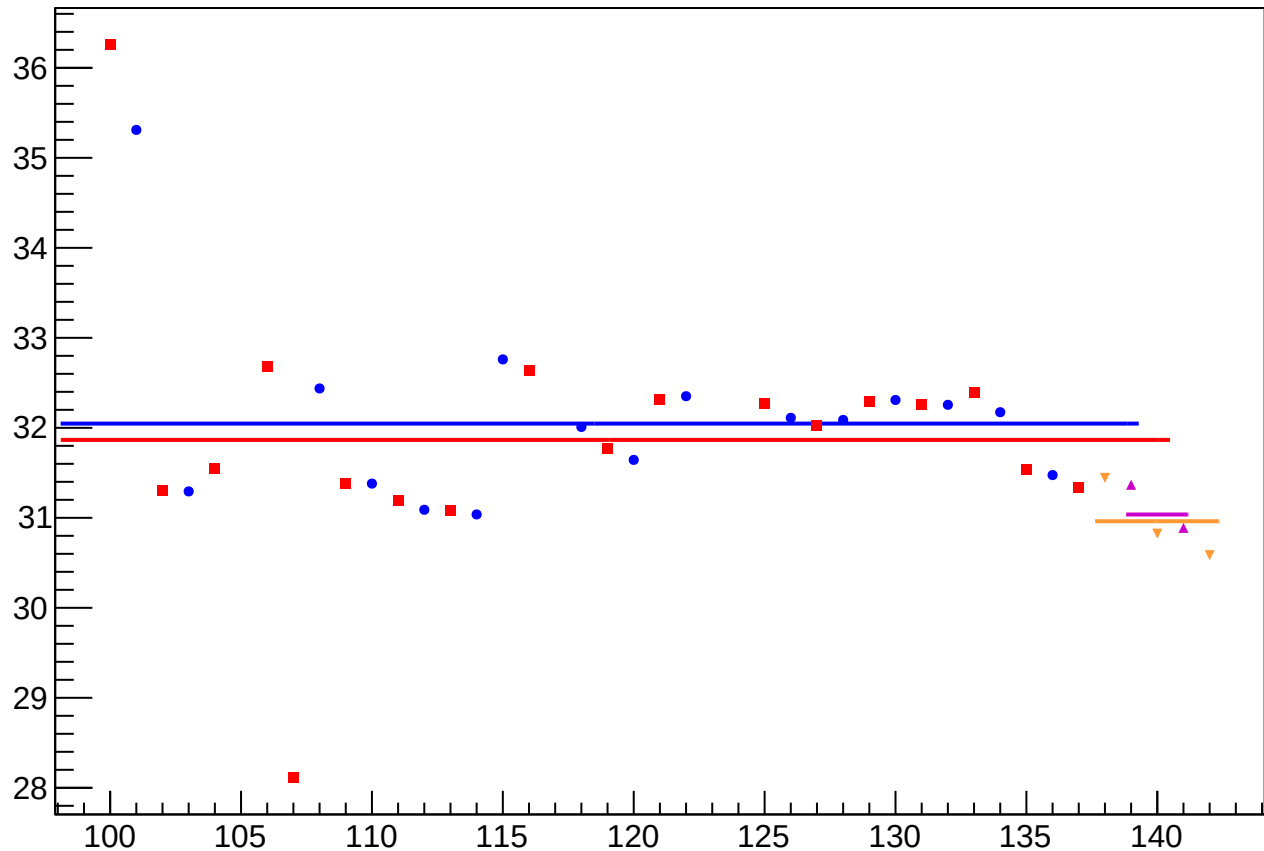
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 507331.2/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3559600.0/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7039807.5/38

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3452441.0/19

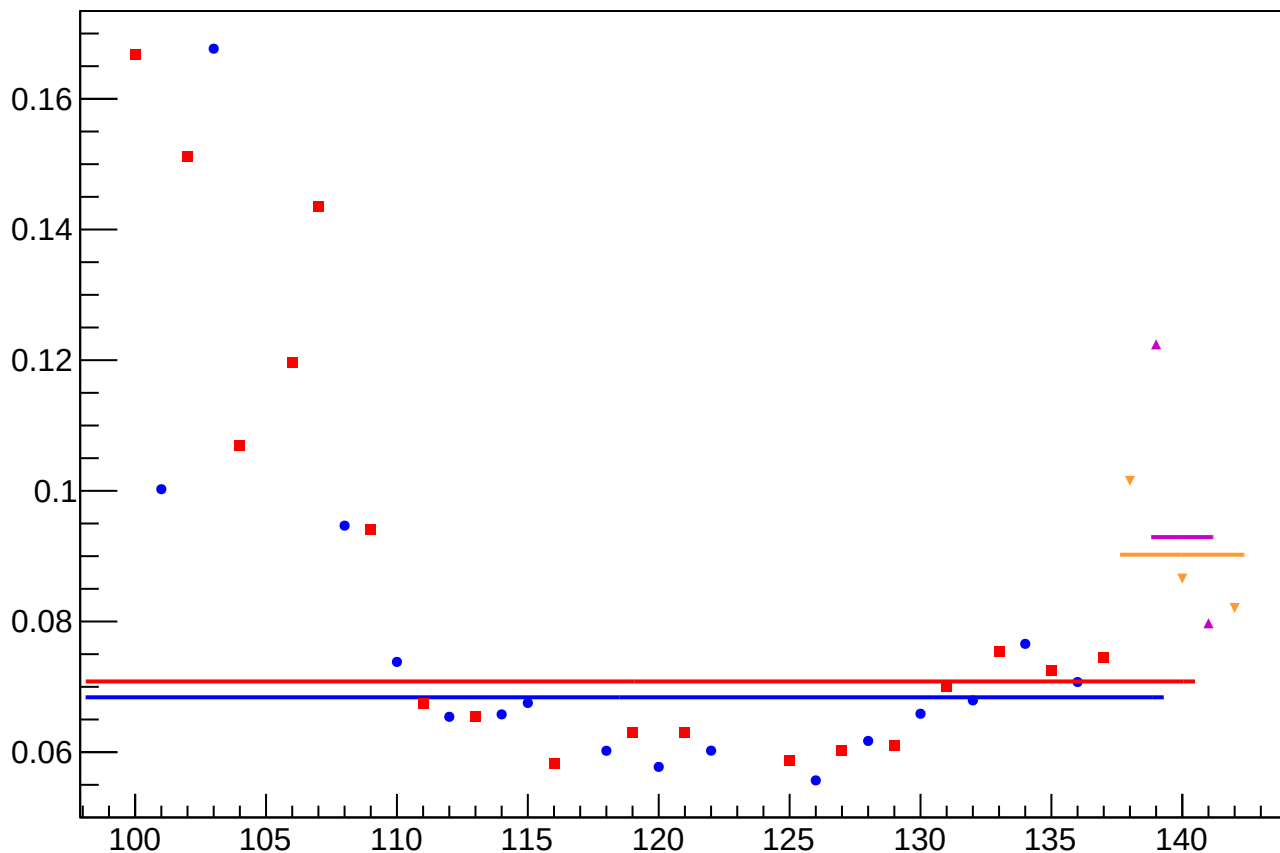
yield_usl_mean vs Slug



Right In: 32.047 $\pm$ 0.000 χ^2 /NDF: 898593424.6/15
 Left Out: 30.962 $\pm$ 0.000 χ^2 /NDF: 25946324.0/2
 Right Out: 31.866 $\pm$ 0.000 χ^2 /NDF: 485941075.6/17
 Left In: 31.037 $\pm$ 0.000 χ^2 /NDF: 8330094.3/1

+ sign 31.894 $\pm$ 0.000 χ^2 /NDF: 1146352071.3/18
 All: 31.833 $\pm$ 0.000 χ^2 /NDF: 1755561691.1/3
 - sign 31.766 $\pm$ 0.000 χ^2 /NDF: 597047819.0/19

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 703207.9/15

Left Out: 0.090 $\pm$ 0.000 χ^2 /NDF:27831.8/2

Right Out: 0.071 $\pm$ 0.000 χ^2 /NDF: 868237.4/17

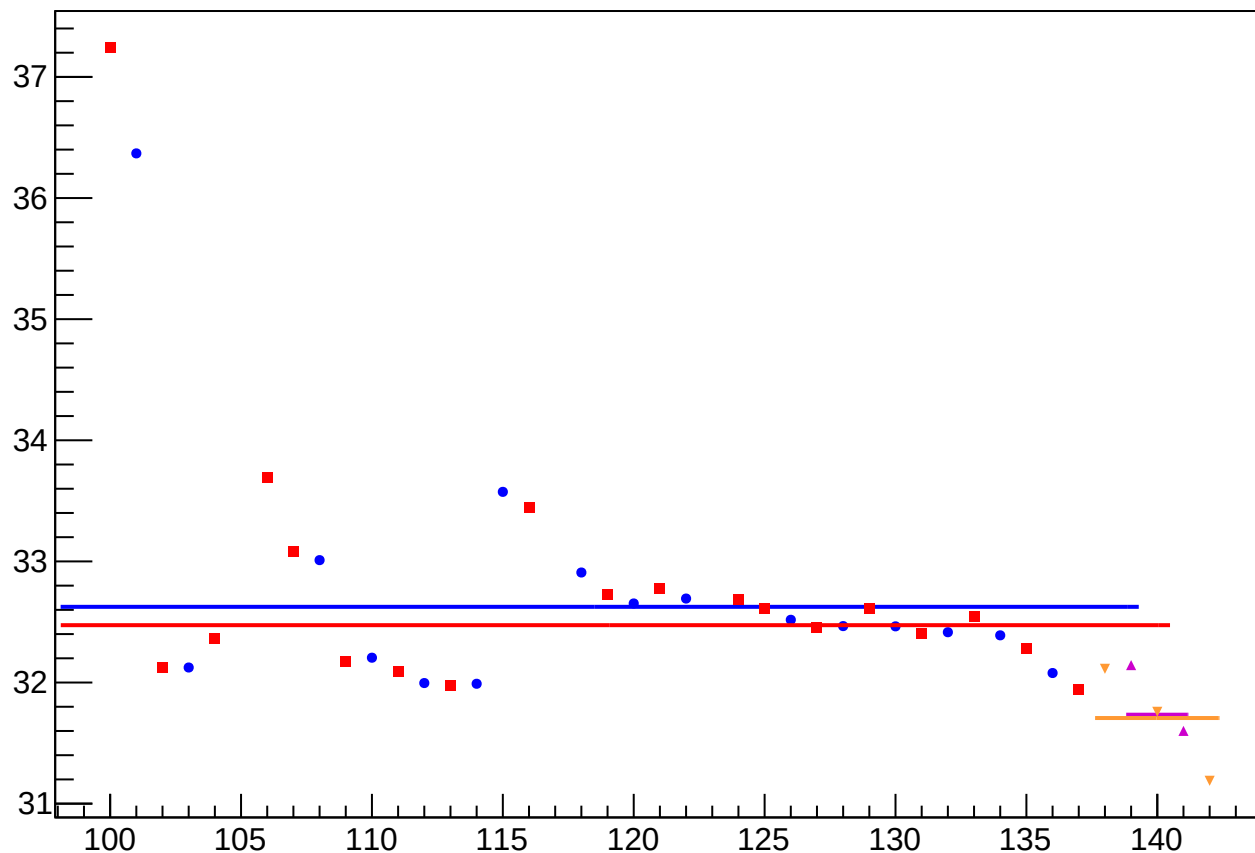
Left In: 0.093 $\pm$ 0.000 χ^2 /NDF:132308.1/1

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 910557.3/18

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 2063117.4/38

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 1146556.4/19

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF : 739141163.5/15

Left Out: 31.707+/-0.000 χ^2/NDF : 29861031.1/2

Right Out: 32.474+/-0.000 χ^2/NDF : 156801553.7/18

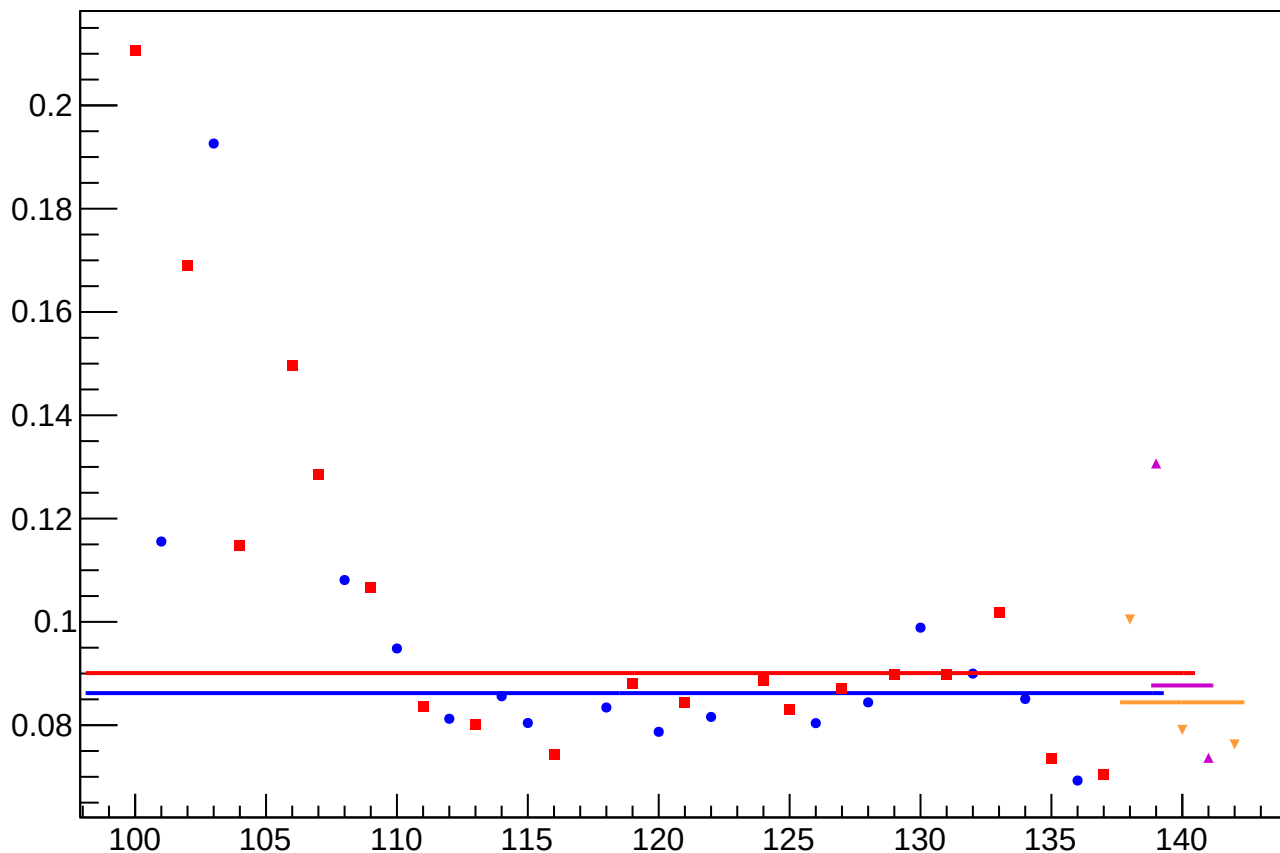
Left In: 31.734+/-0.000 χ^2/NDF : 10637073.9/1

+ sign 32.416+/-0.000 χ^2/NDF : 930962508.6/18

All: 32.374+/-0.000 χ^2/NDF : 1187796997.2/3

- sign 32.328+/-0.000 χ^2/NDF : 252810444.7/20

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 598718.4/15

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:51633.2/2

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 621848.1/18

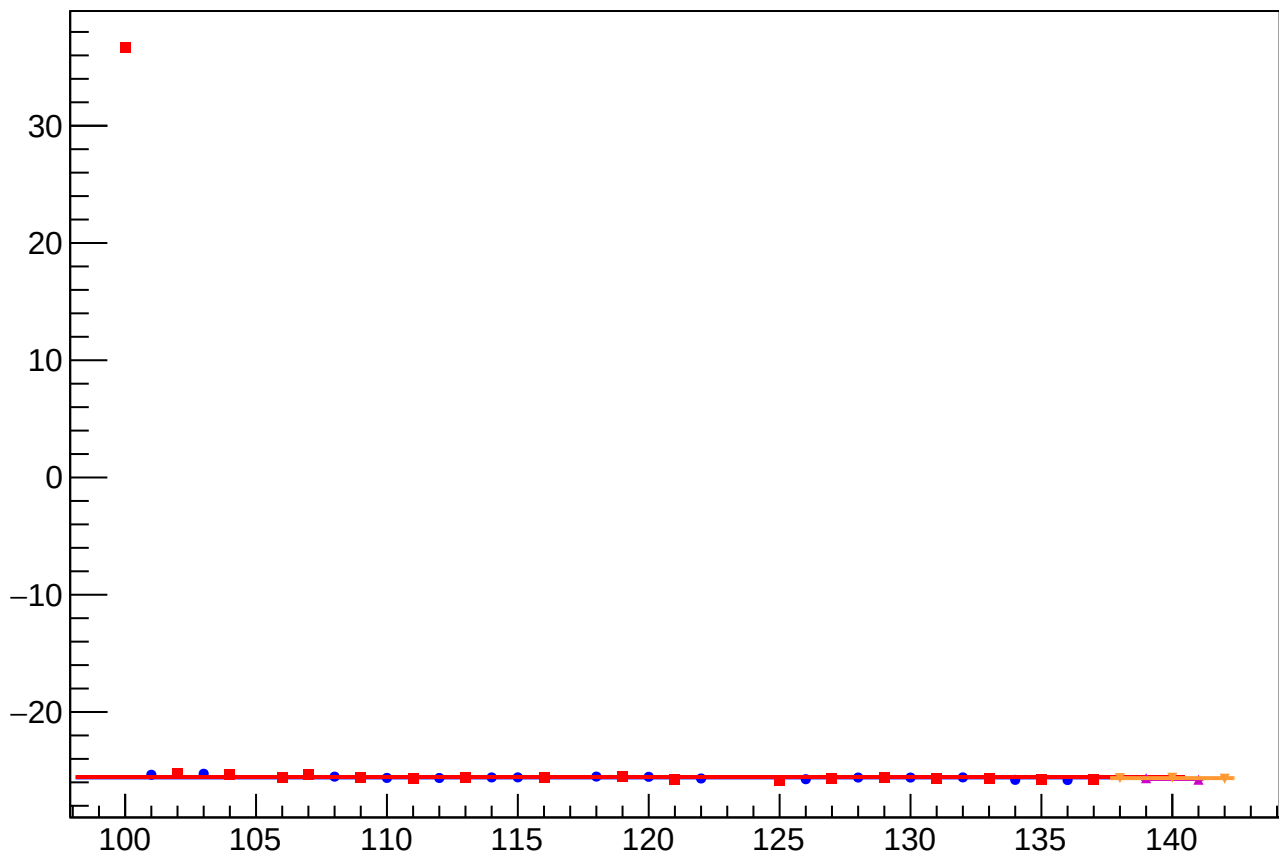
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF:234371.3/1

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 651581.3/18

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 1524694.3/39

- sign 0.090 $\pm$ 0.000 χ^2 /NDF: 858010.3/20

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF : 98389255.1/15

Left Out: -25.640+/-0.000 χ^2/NDF : 1004891.1/2

Right Out: -25.544+/-0.000 χ^2/NDF : 8907540506.8/17

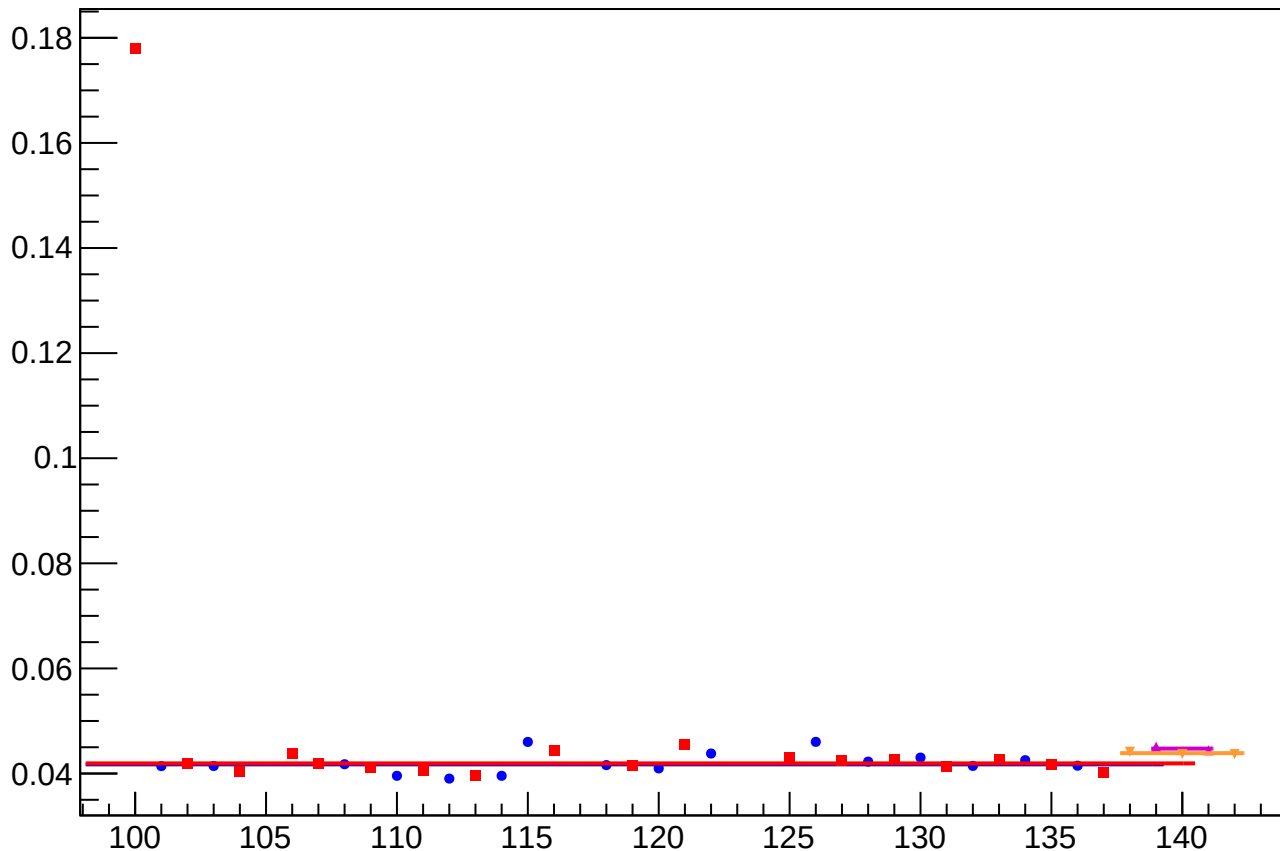
Left In: -25.713+/-0.000 χ^2/NDF : 3534861.2/1

+ sign -25.591+/-0.000 χ^2/NDF : 102477067.8/18

All: -25.582+/-0.000 χ^2/NDF : 9034539118.6/19

- sign -25.573+/-0.000 χ^2/NDF : 8931176107.6/19

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF : 87.8/2

Right Out: 0.042+/-0.000 χ^2/NDF : 100140.4/17

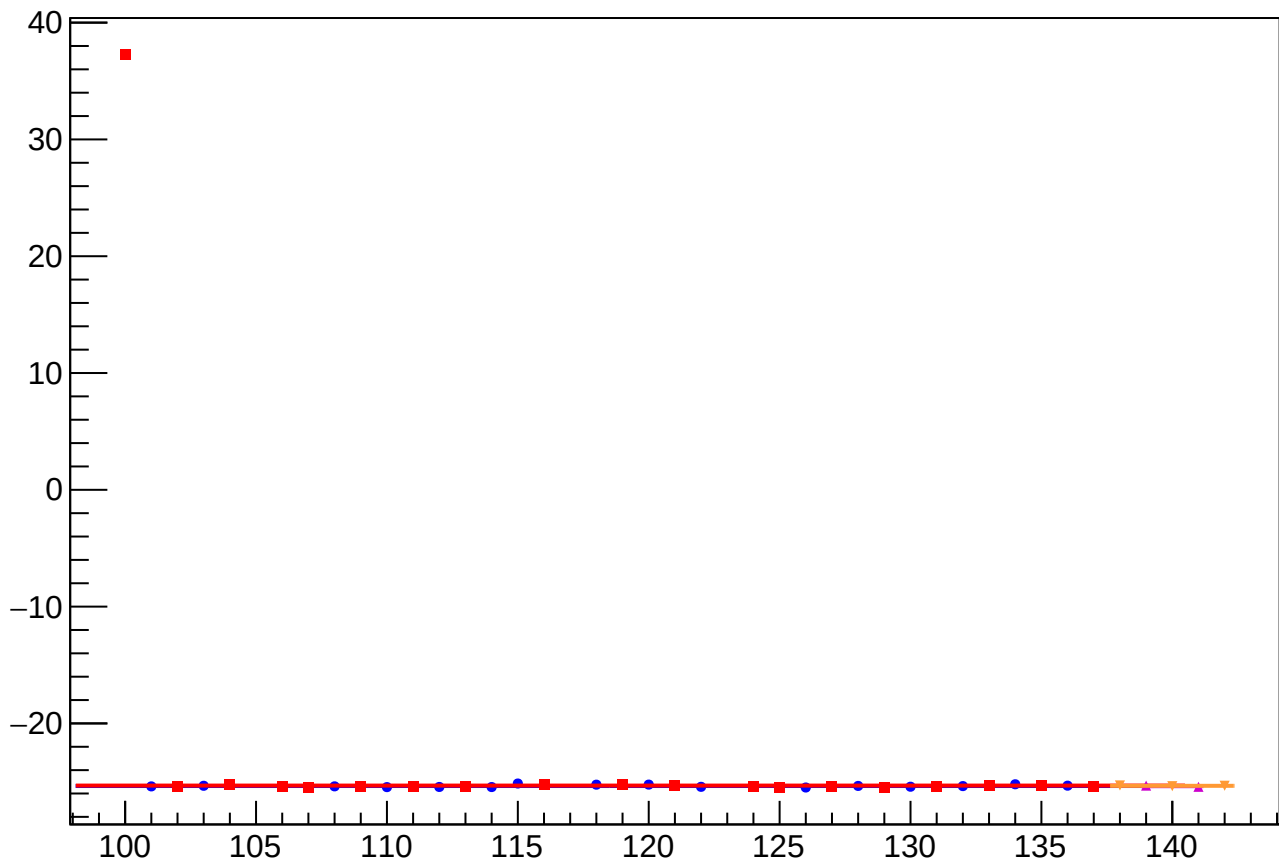
Left In: 0.045+/-0.000 χ^2/NDF : 198.8/1

+ sign 0.042+/-0.000 χ^2/NDF : 28440.0/18

All: 0.042+/-0.000 χ^2/NDF : 140259.1/38

- sign 0.042+/-0.000 χ^2/NDF : 111556.9/19

yield_dsr_mean vs Slug



Right In: -25.360 $\pm$ 0.000 χ^2 /NDF: 13284405.9/15

Left Out: -25.343 $\pm$ 0.000 χ^2 /NDF: 499866.7/2

Right Out: -25.322 $\pm$ 0.000 χ^2 /NDF: 6314907036.5/18

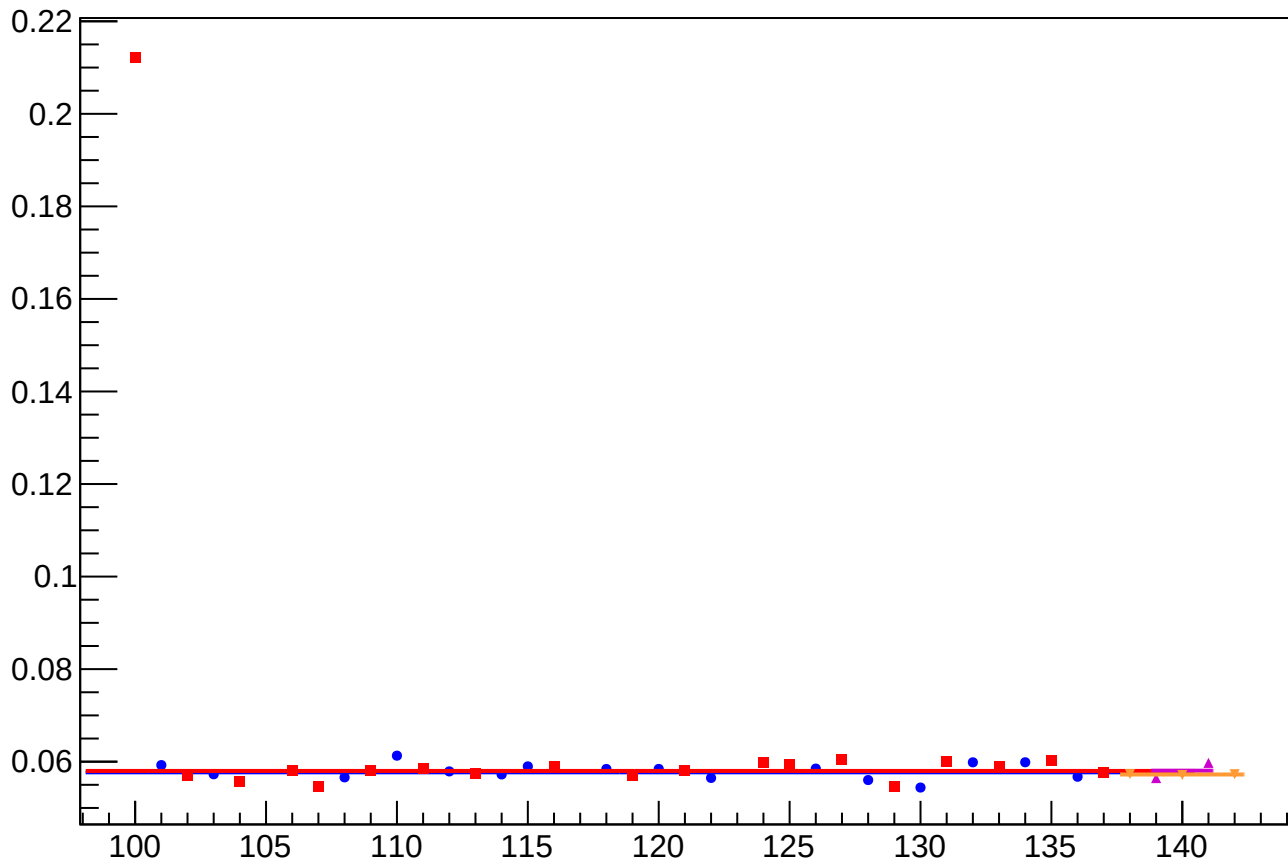
Left In: -25.374 $\pm$ 0.000 χ^2 /NDF: 1260403.8/1

+ sign -25.356 $\pm$ 0.000 χ^2 /NDF: 13927303.6/18

All: -25.344 $\pm$ 0.000 χ^2 /NDF: 6331984125.8/20

- sign -25.332 $\pm$ 0.000 χ^2 /NDF: 6317251024.2/20

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF :10.7/2

Right Out: 0.058+/-0.000 χ^2/NDF : 88682.9/18

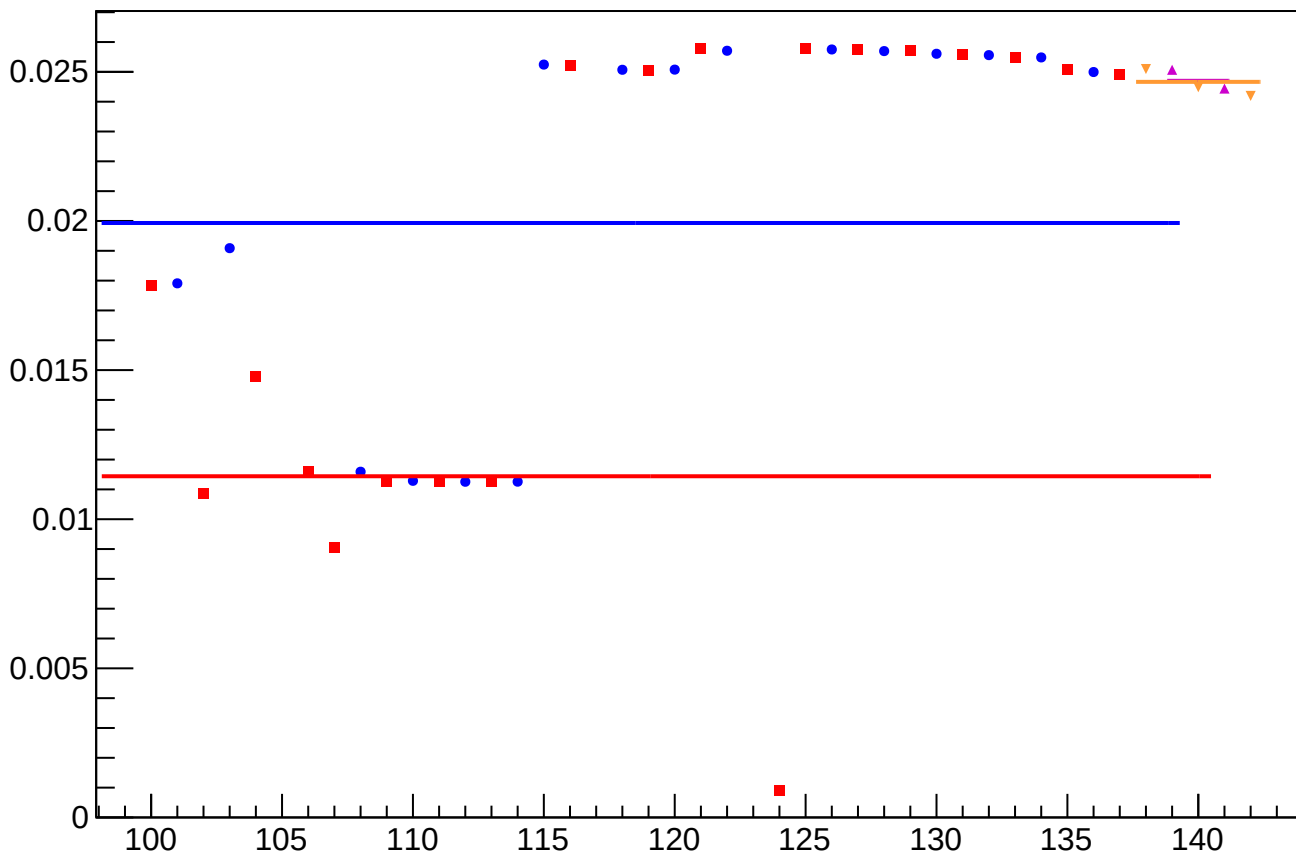
Left In: 0.058+/-0.000 χ^2/NDF :2665.7/1

+ sign 0.058+/-0.000 χ^2/NDF : 11982.7/18

All: 0.058+/-0.000 χ^2/NDF : 103786.0/39

- sign 0.058+/-0.000 χ^2/NDF : 91350.7/20

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: 40471968.0/2

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 253880264851.8/18

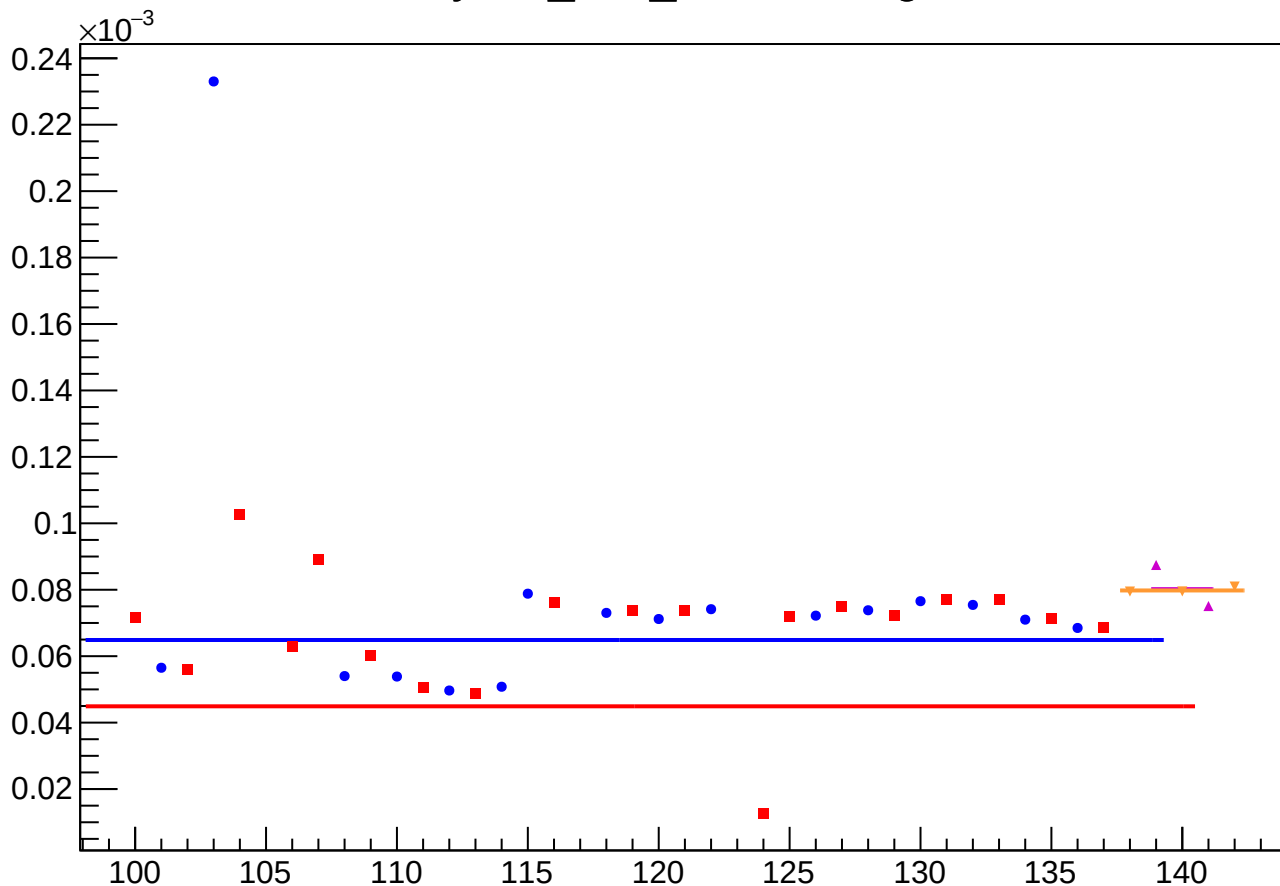
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 24524695.0/1

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 68235138228.0/18

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 435189153855.1

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 294692973088.0/20

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF :222.5/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3770565.9/18

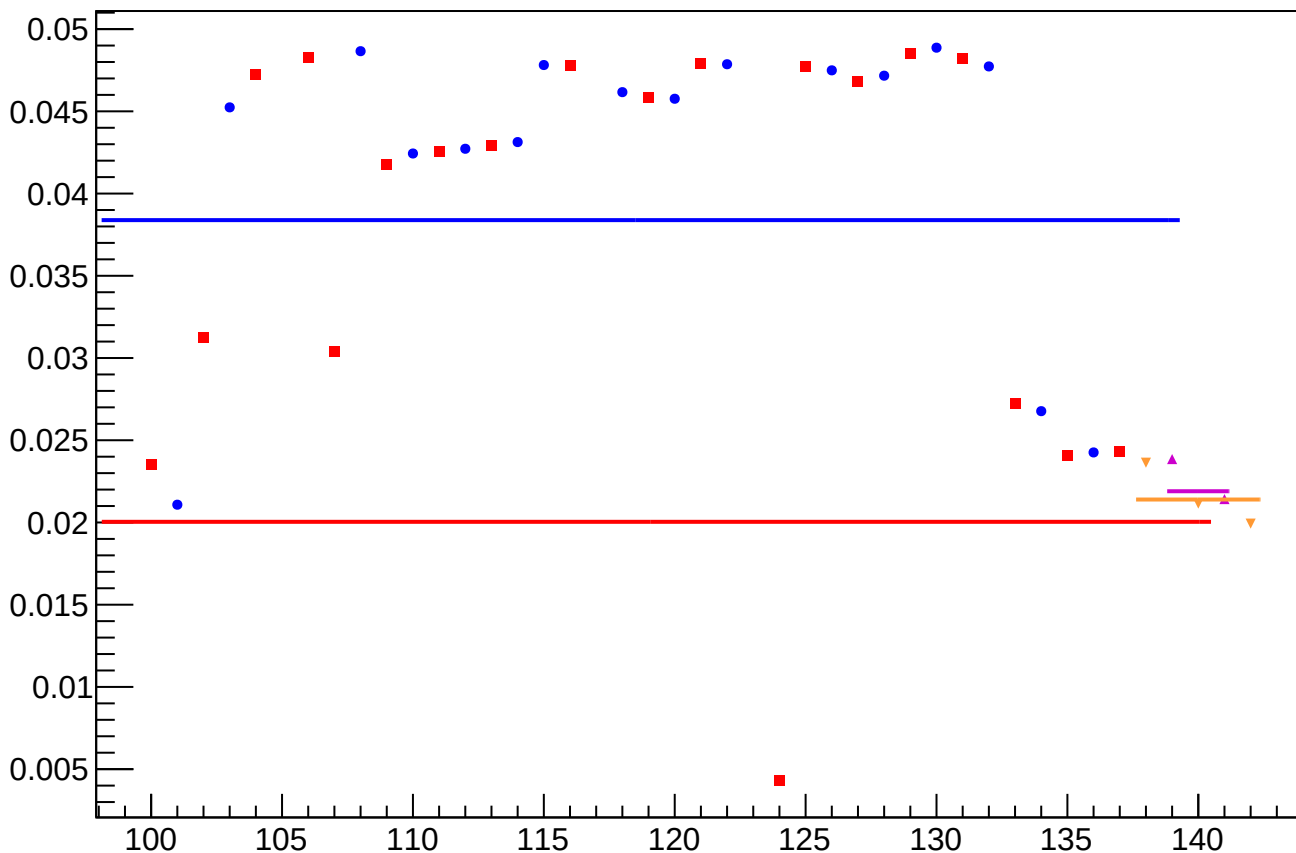
Left In: 0.000+/-0.000 χ^2/NDF :18919.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 930934.3/18

All: 0.000+/-0.000 χ^2/NDF : 6117582.0/39

- sign 0.000+/-0.000 χ^2/NDF : 4367067.6/20

yield_atl2_mean vs Slug



Right In: 0.038 $\pm$ 0.000 χ^2 /NDF: 7078619233.3/15

Left Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 45045107.2/2

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 42185025429.6/18

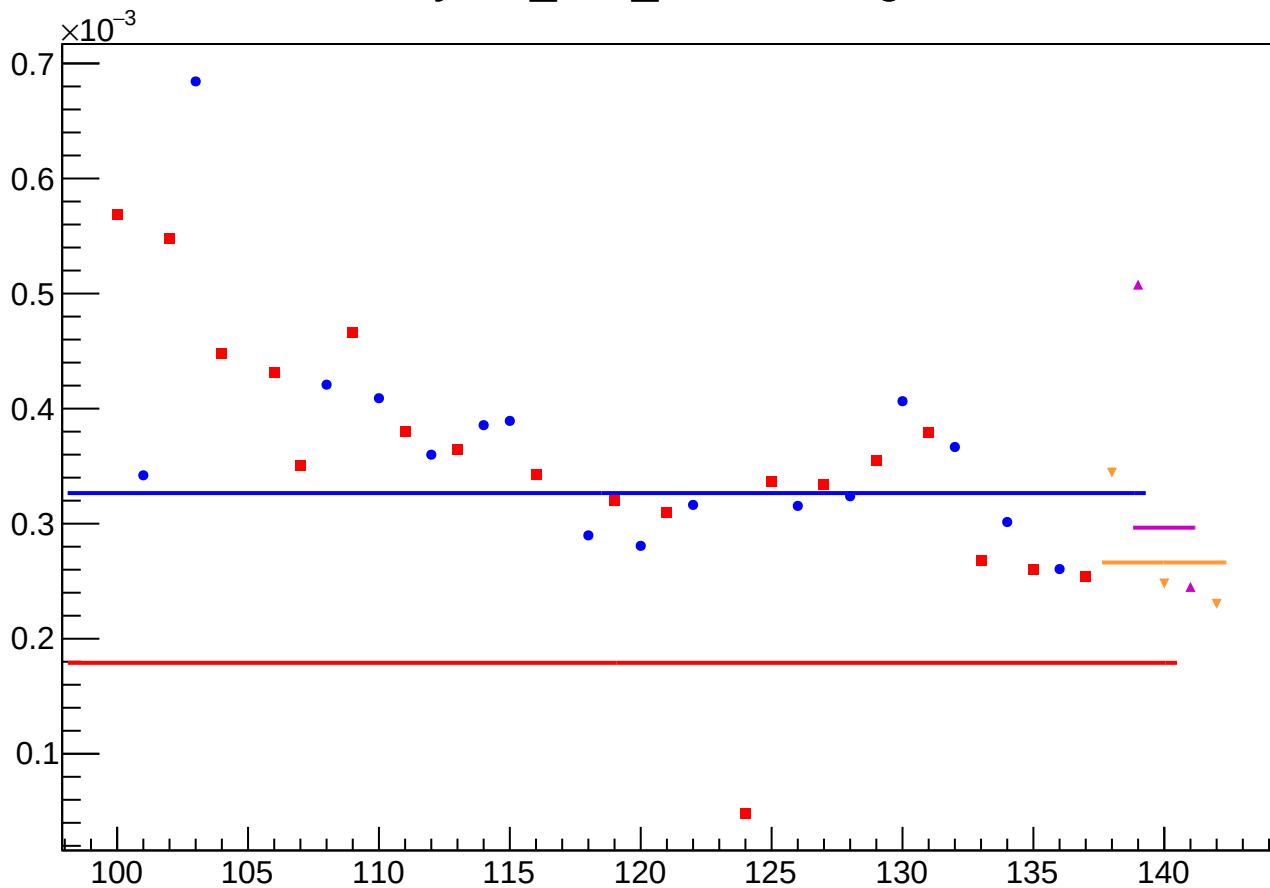
Left In: 0.022 $\pm$ 0.000 χ^2 /NDF: 14768641.0/1

+ sign 0.033 $\pm$ 0.000 χ^2 /NDF: 12038012571.4/18

All: 0.025 $\pm$ 0.000 χ^2 /NDF: 63384002113.4/3

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 42248284154.5/20

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 581428.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:96637.1/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5660786.3/18

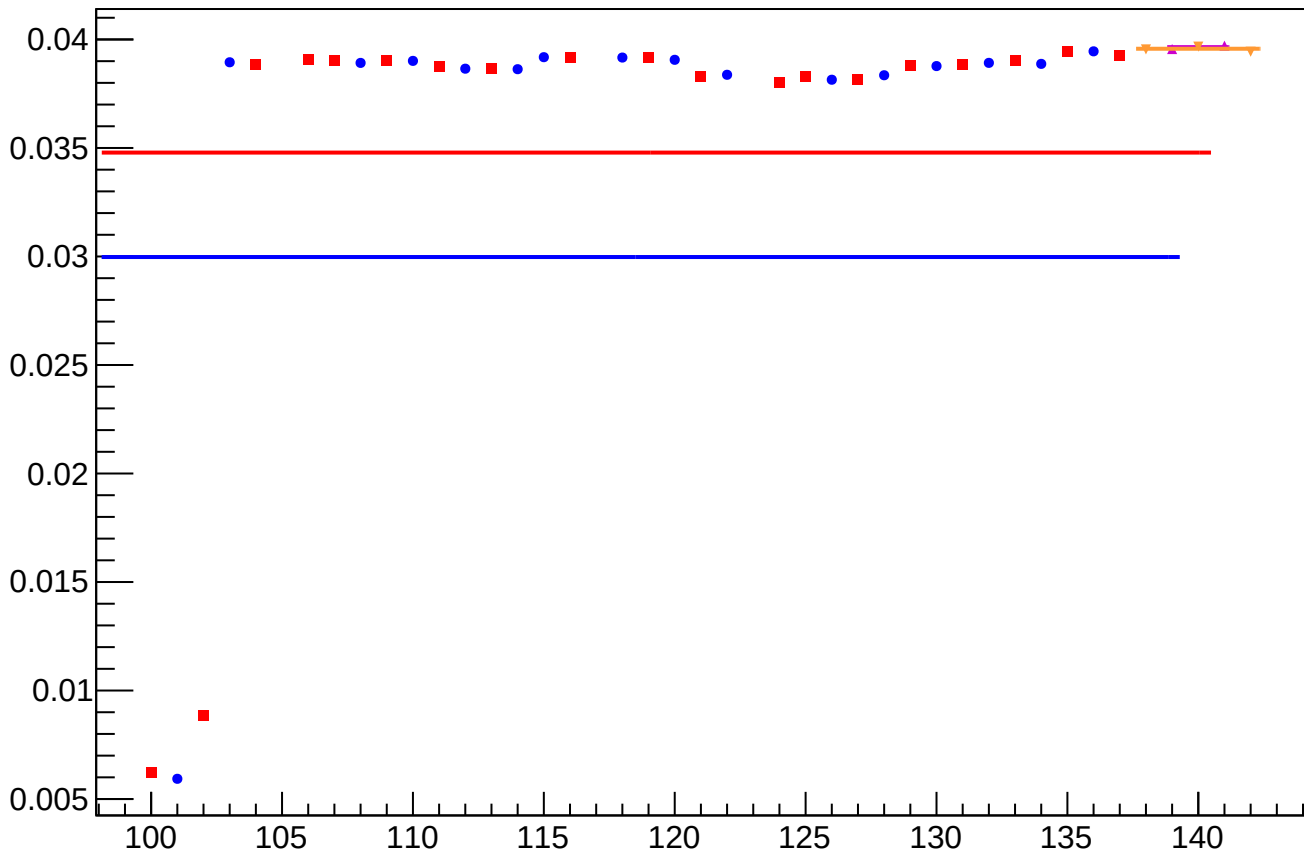
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:344618.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 801957.3/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8606511.1/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6392594.0/20

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF : 776095.4/2

Right Out: 0.035+/-0.000 χ^2/NDF : 47263545471.6/18

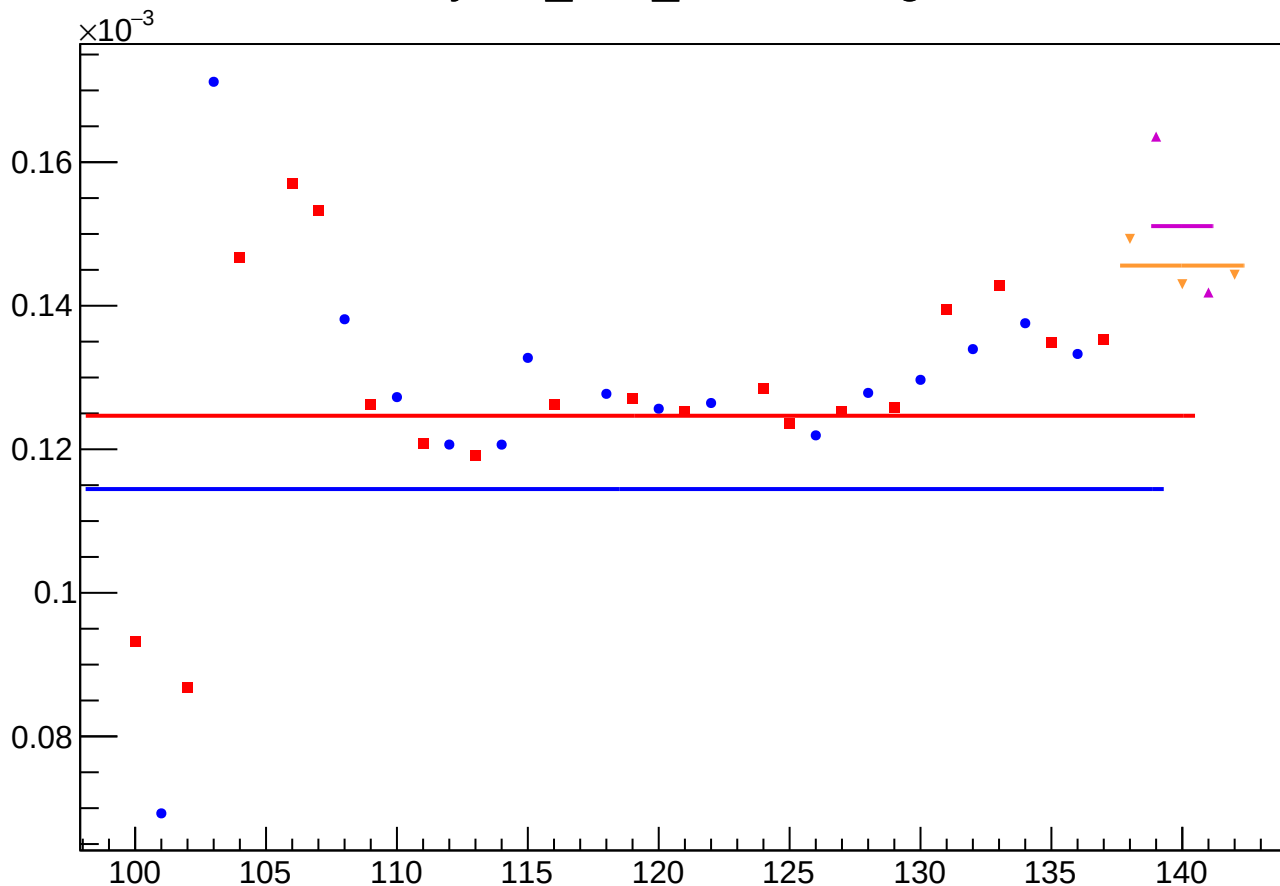
Left In: 0.040+/-0.000 χ^2/NDF : 425389.9/1

+ sign 0.031+/-0.000 χ^2/NDF : 115491968166.5/18

All: 0.033+/-0.000 χ^2/NDF : 168700865004.6

- sign 0.035+/-0.000 χ^2/NDF : 48736259081.4/20

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 :1526.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 260393.6/18

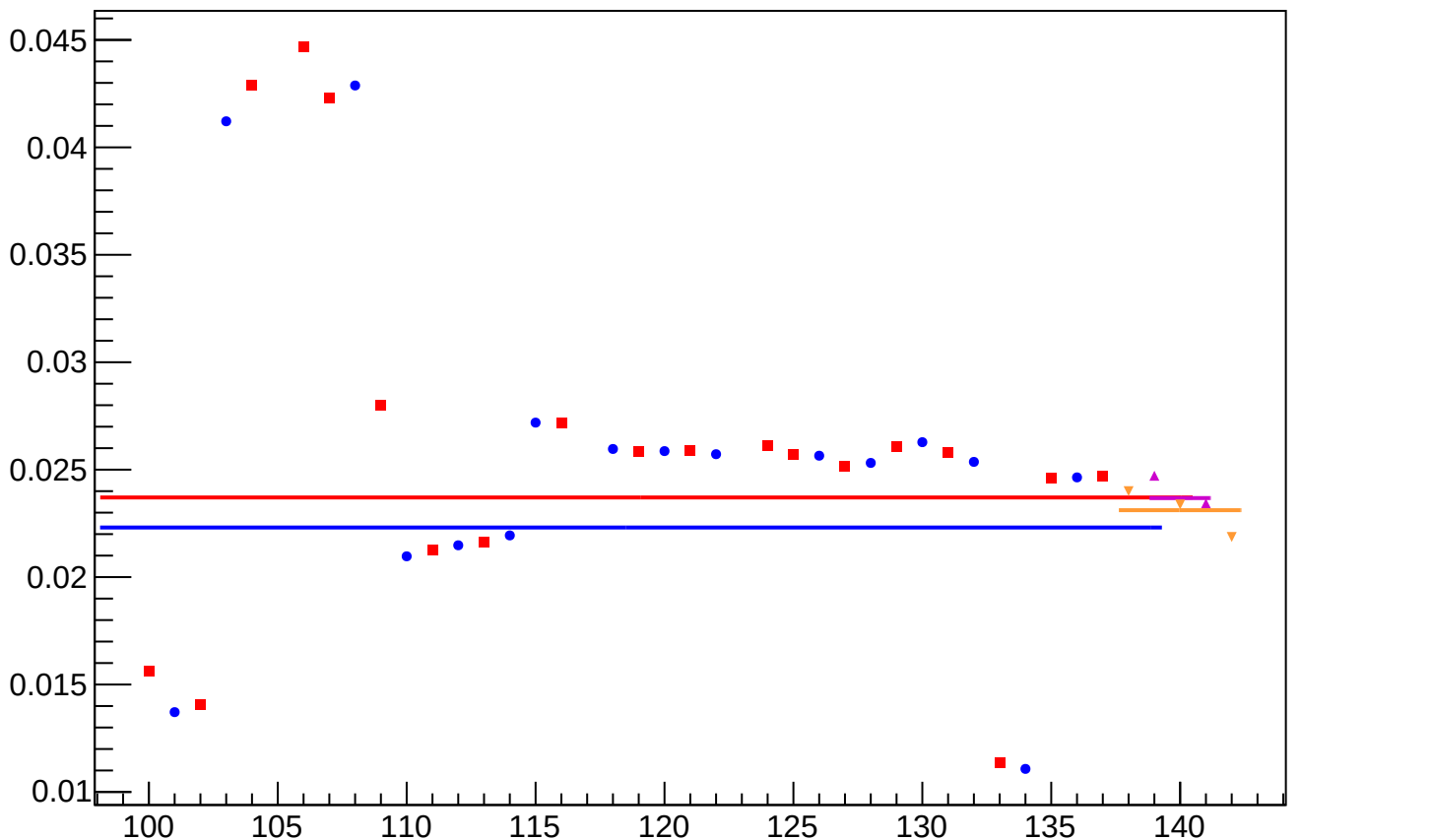
Left In: 0.000+/-0.000 χ^2/NDF :16712.4/1

+ sign 0.000+/-0.000 χ^2/NDF : 1006571.6/18

All: 0.000+/-0.000 χ^2/NDF : 1416755.0/39

- sign 0.000+/-0.000 χ^2/NDF : 364137.0/20

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 5012486114.6/15

Left Out: 0.023+/-0.000 χ^2/NDF :18003212.5/2

Right Out: 0.024+/-0.000 χ^2/NDF : 5581865088.7/18

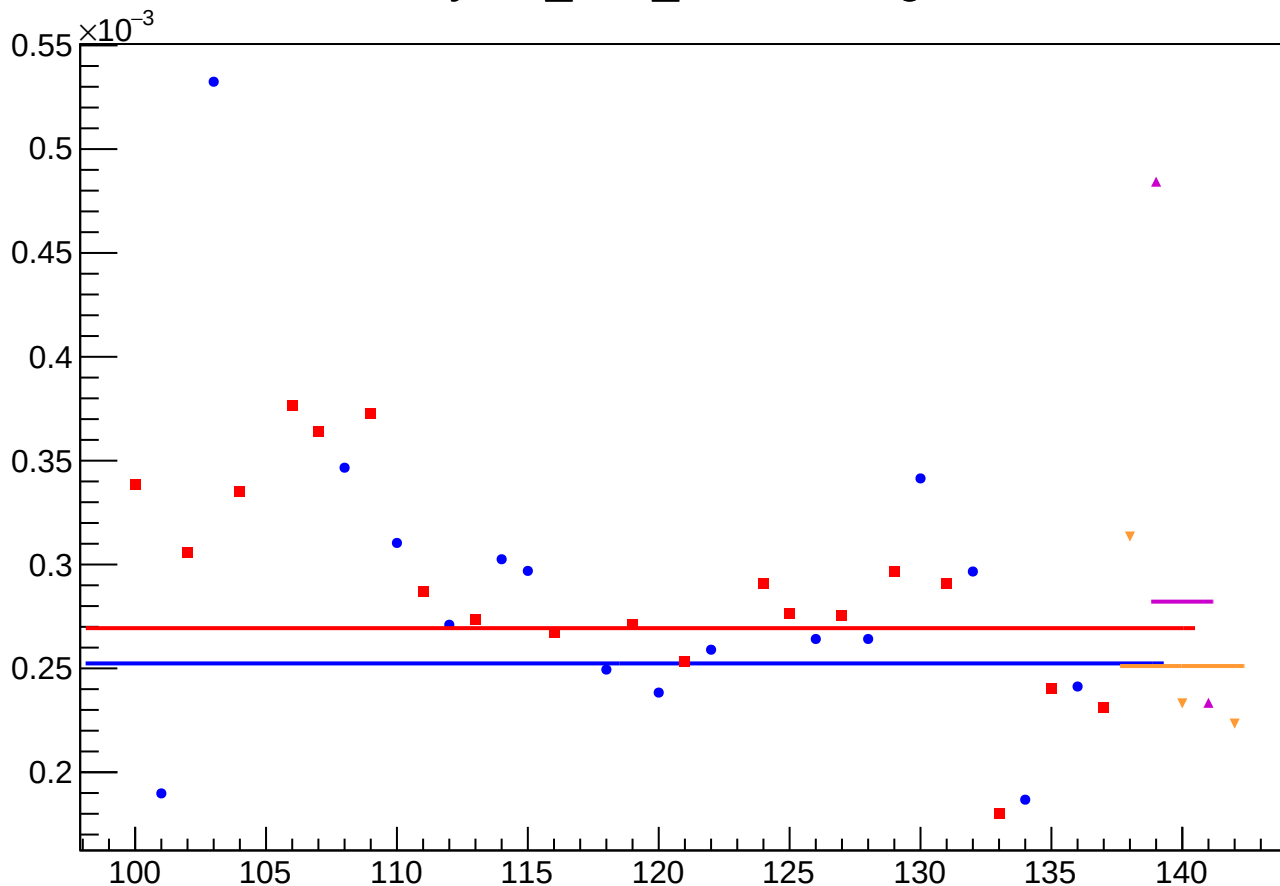
Left In: 0.024+/-0.000 χ^2/NDF :4635774.1/1

+ sign 0.022+/-0.000 χ^2/NDF : 5044172173.4/18

All: 0.023+/-0.000 χ^2/NDF : 10716545151.9/3

- sign 0.024+/-0.000 χ^2/NDF : 5586511936.0/20

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 707863.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:73318.6/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 446359.4/18

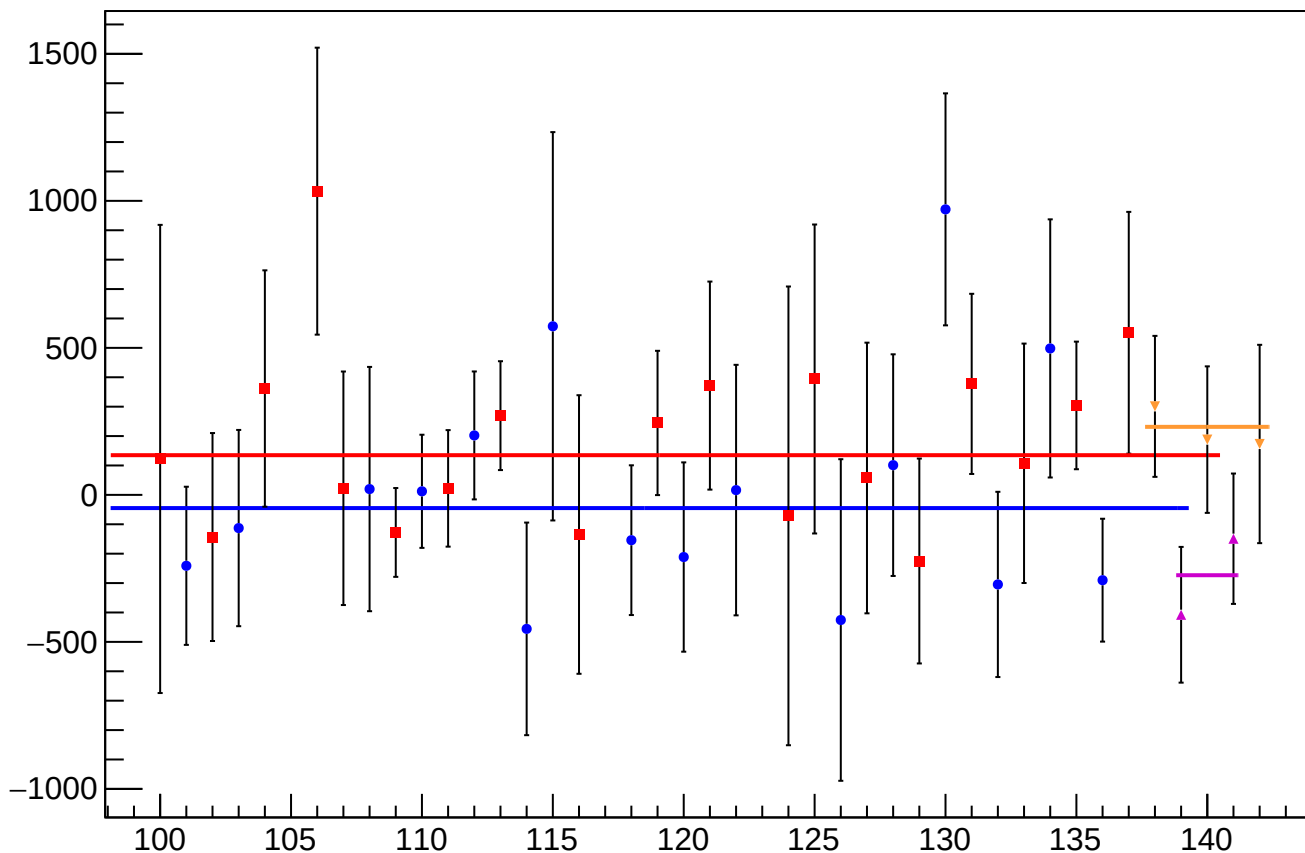
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:350994.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 781248.6/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1626751.1/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 802193.7/20

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -44.917 ± 76.198 χ^2/NDF : 15.5/15

Left Out: 231.376 ± 153.761 χ^2/NDF : 0.1/2

Right Out: 134.996 ± 68.062 χ^2/NDF : 12.9/18

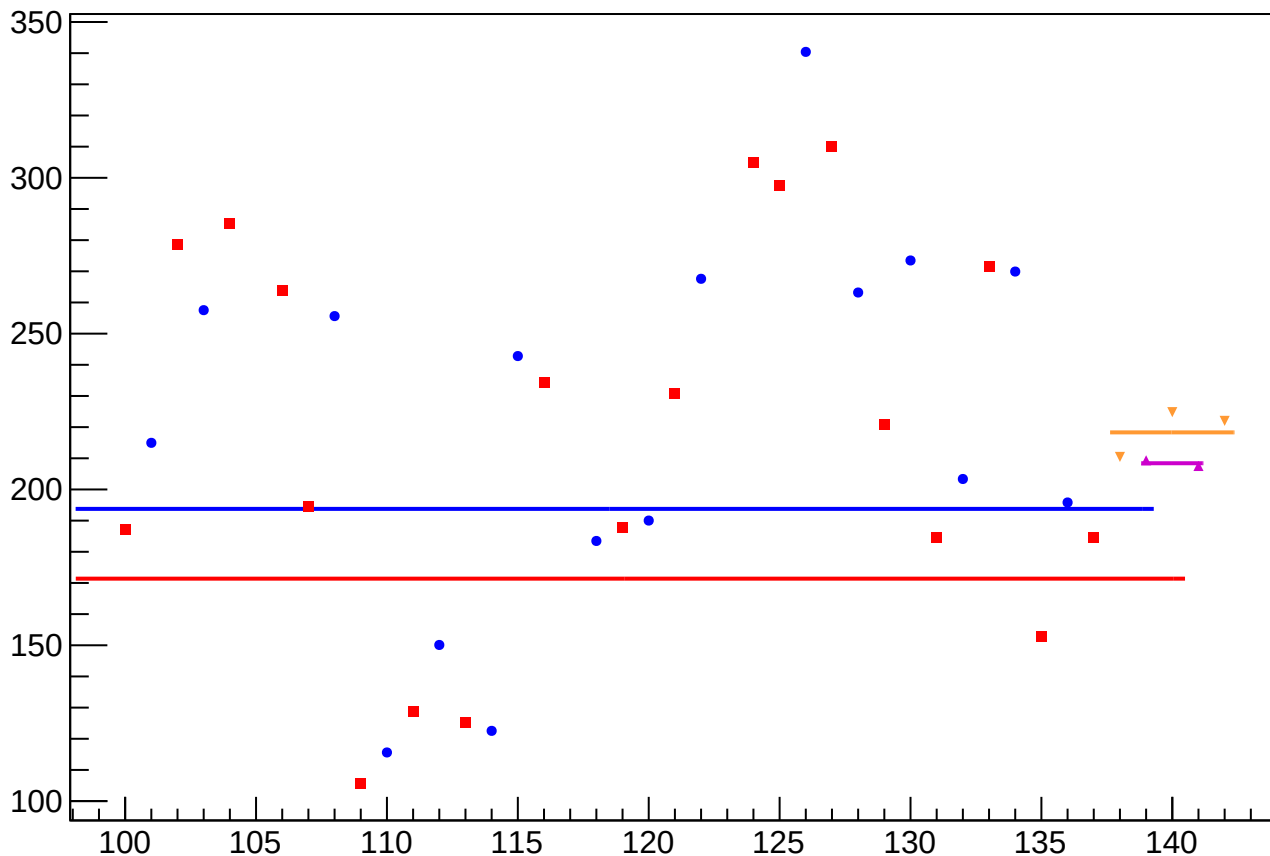
Left In: -273.267 ± 159.901 χ^2/NDF : 0.7/1

+ sign 9.558 ± 68.274 χ^2/NDF : 18.2/18

All: 43.672 ± 46.151 χ^2/NDF : 37.8/39

- sign 72.373 ± 62.625 χ^2/NDF : 19.1/20

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: 218.316 $\pm$ 0.109 χ^2 /NDF:3752.7/2

Right Out: 171.382 $\pm$ 0.048 χ^2 /NDF: 1658079.5/18

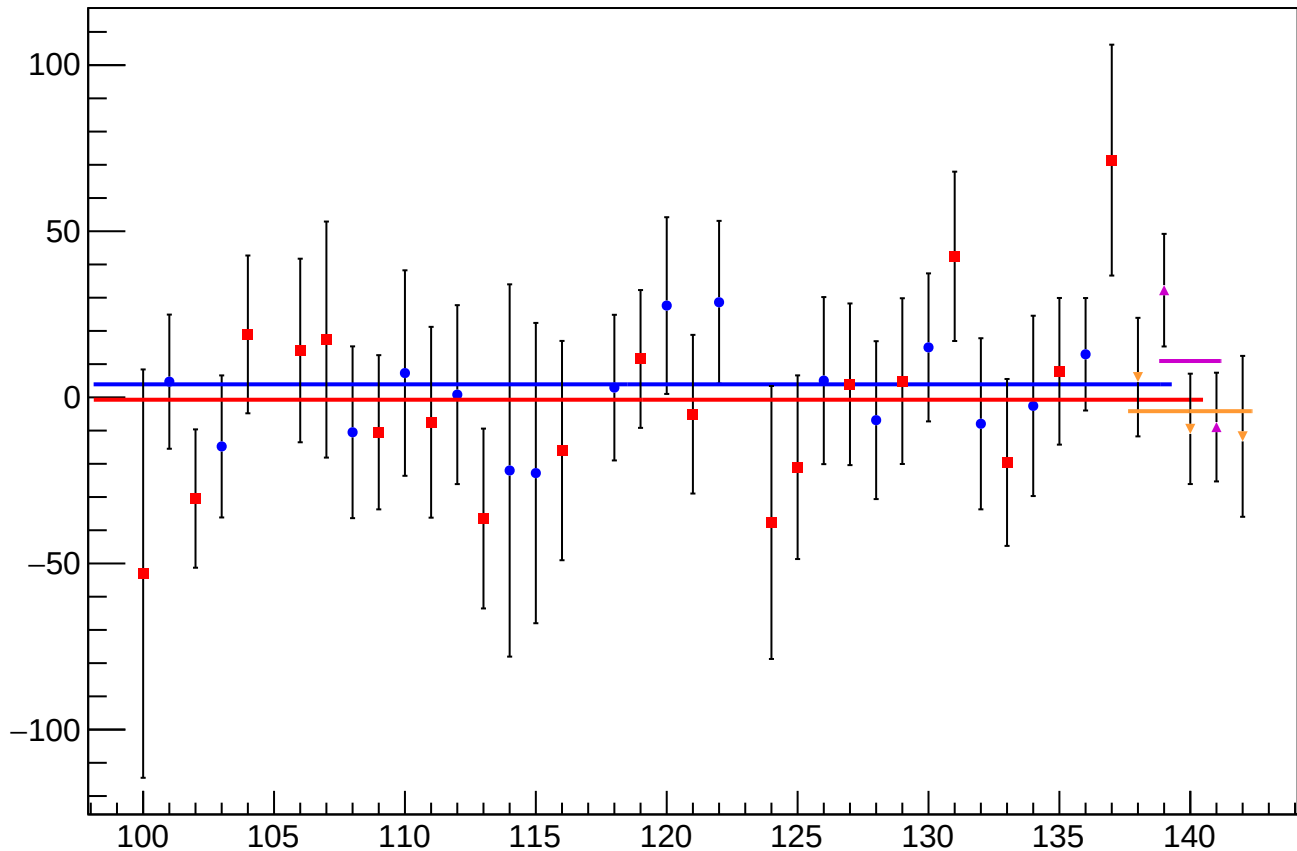
Left In: 208.414 $\pm$ 0.113 χ^2 /NDF:64.8/1

+ sign 198.608 $\pm$ 0.048 χ^2 /NDF: 1092773.0/18

All: 186.907 $\pm$ 0.033 χ^2 /NDF: 2949901.3/39

- sign 177.062 $\pm$ 0.044 χ^2 /NDF: 1748963.1/20

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: -4.159 ± 10.865 χ^2/NDF : 0.5/2

Right Out: -0.714 ± 6.077 χ^2/NDF : 15.9/18

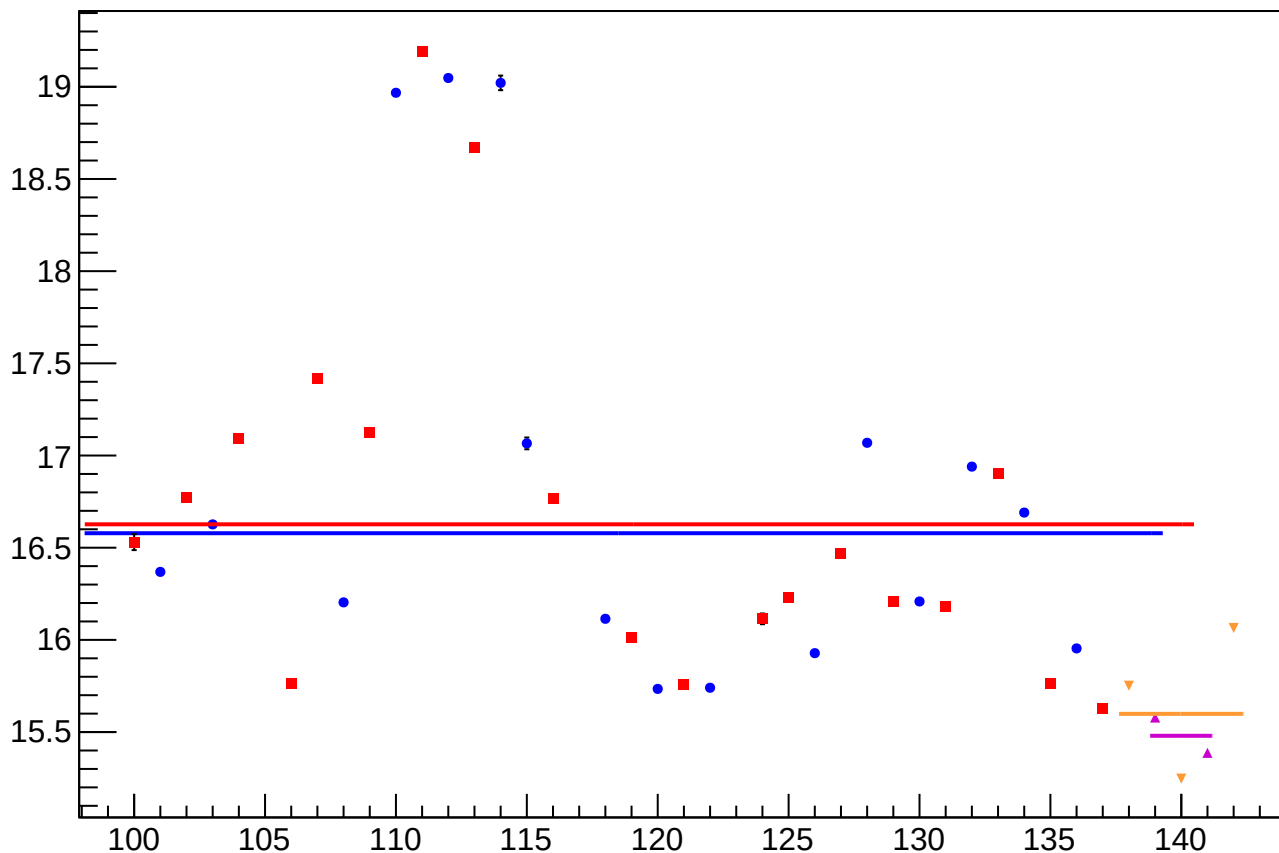
Left In: 10.943 ± 11.772 χ^2/NDF : 3.1/1

+ sign 1.952 ± 5.366 χ^2/NDF : 5.4/18

All: 1.846 ± 3.806 χ^2/NDF : 25.2/39

- sign 1.739 ± 5.400 χ^2/NDF : 19.7/20

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: 15.599 $\pm$ 0.008 χ^2 /NDF:1781.1/2

Right Out: 16.627 $\pm$ 0.004 χ^2 /NDF: 43461.8/18

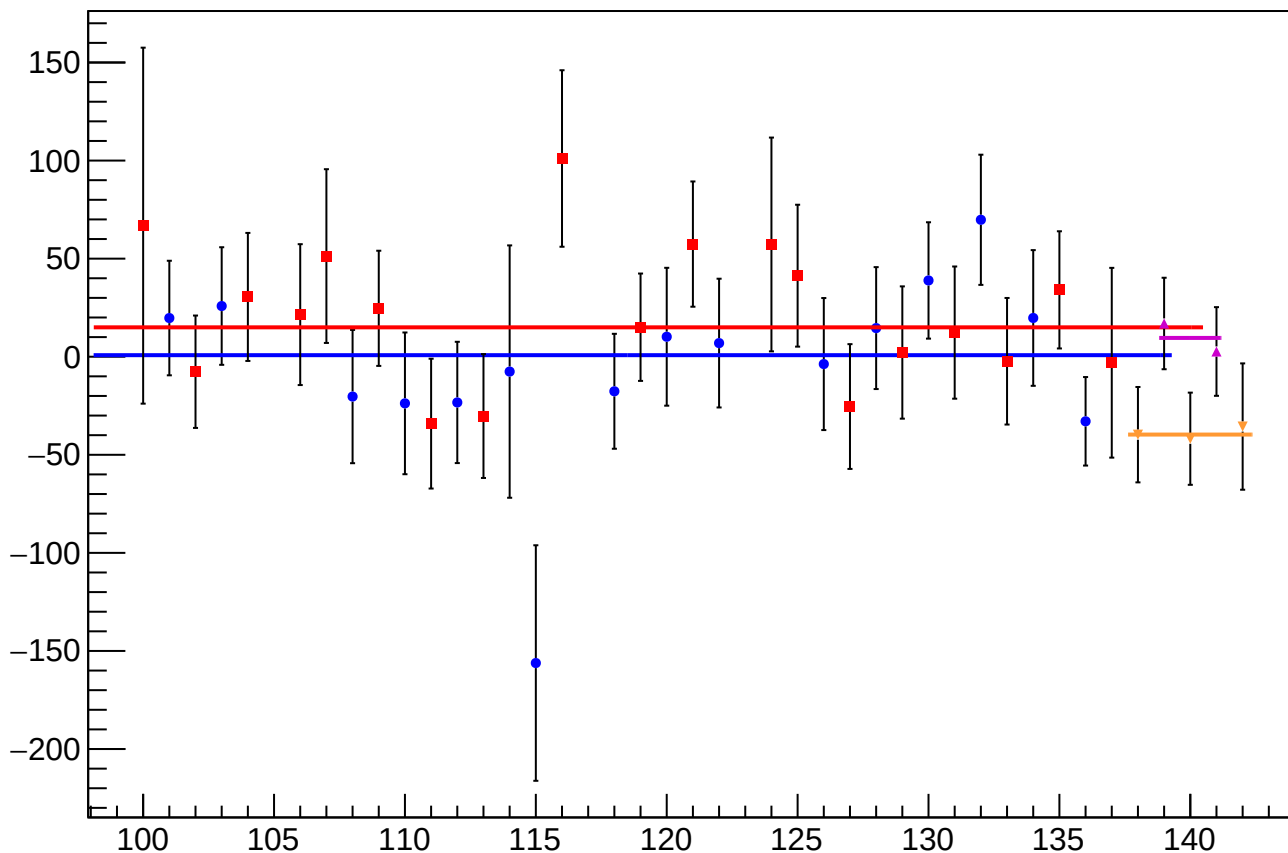
Left In: 15.480 $\pm$ 0.008 χ^2 /NDF:132.3/1

+ sign 16.340 $\pm$ 0.004 χ^2 /NDF: 58652.6/18

All: 16.362 $\pm$ 0.003 χ^2 /NDF: 117314.1/39

- sign 16.386 $\pm$ 0.004 χ^2 /NDF: 58588.7/20

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 0.790 ± 8.125 $\chi^2/\text{NDF}: 18.7/15$

Left Out: -39.686 ± 14.963 $\chi^2/\text{NDF}: 0.0/2$

Right Out: 14.981 ± 7.953 $\chi^2/\text{NDF}: 15.4/18$

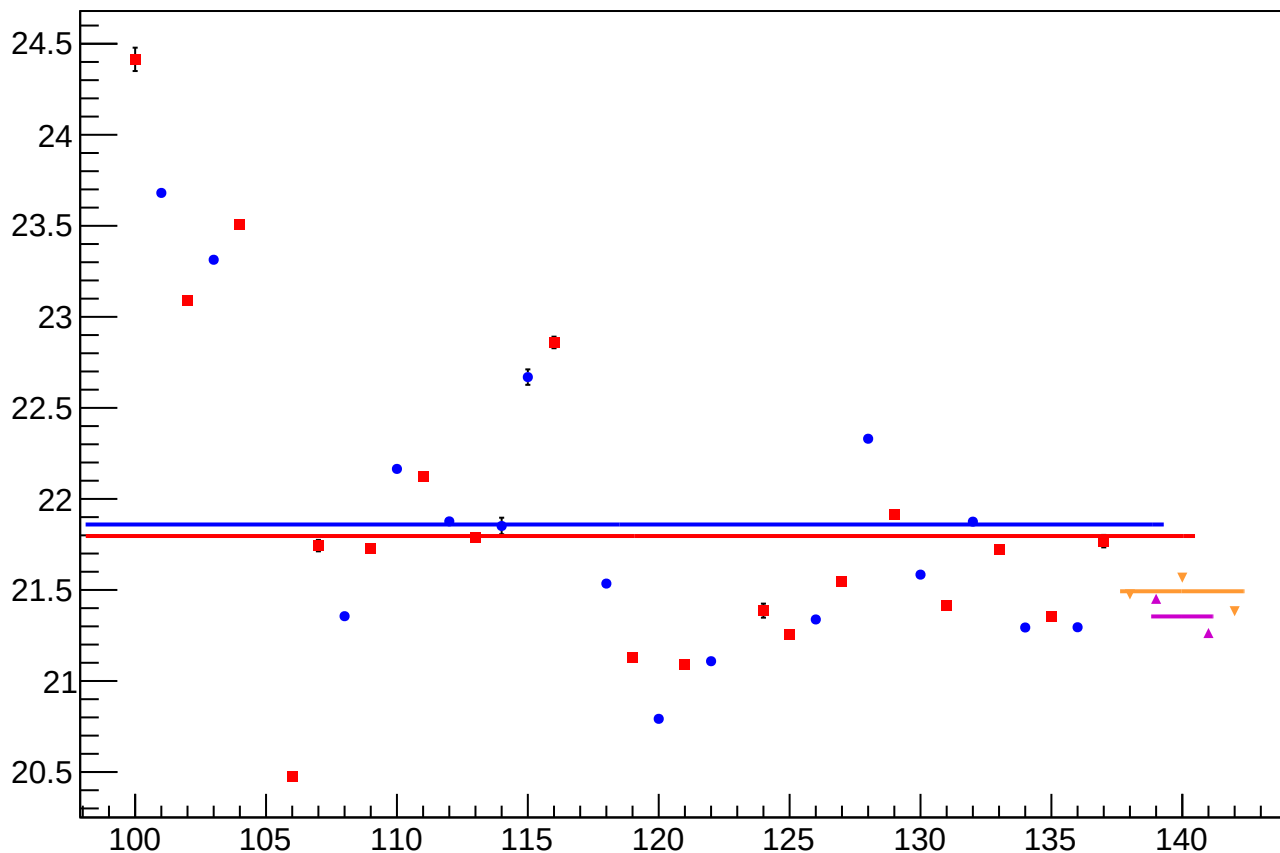
Left In: 9.583 ± 16.231 $\chi^2/\text{NDF}: 0.2/1$

+ sign -8.427 ± 7.140 $\chi^2/\text{NDF}: 24.3/18$

All: 2.751 ± 5.049 $\chi^2/\text{NDF}: 44.9/39$

- sign 13.936 ± 7.142 $\chi^2/\text{NDF}: 15.7/20$

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: 21.493 $\pm$ 0.011 χ^2 /NDF:44.4/2

Right Out: 21.796 $\pm$ 0.006 χ^2 /NDF: 18861.3/18

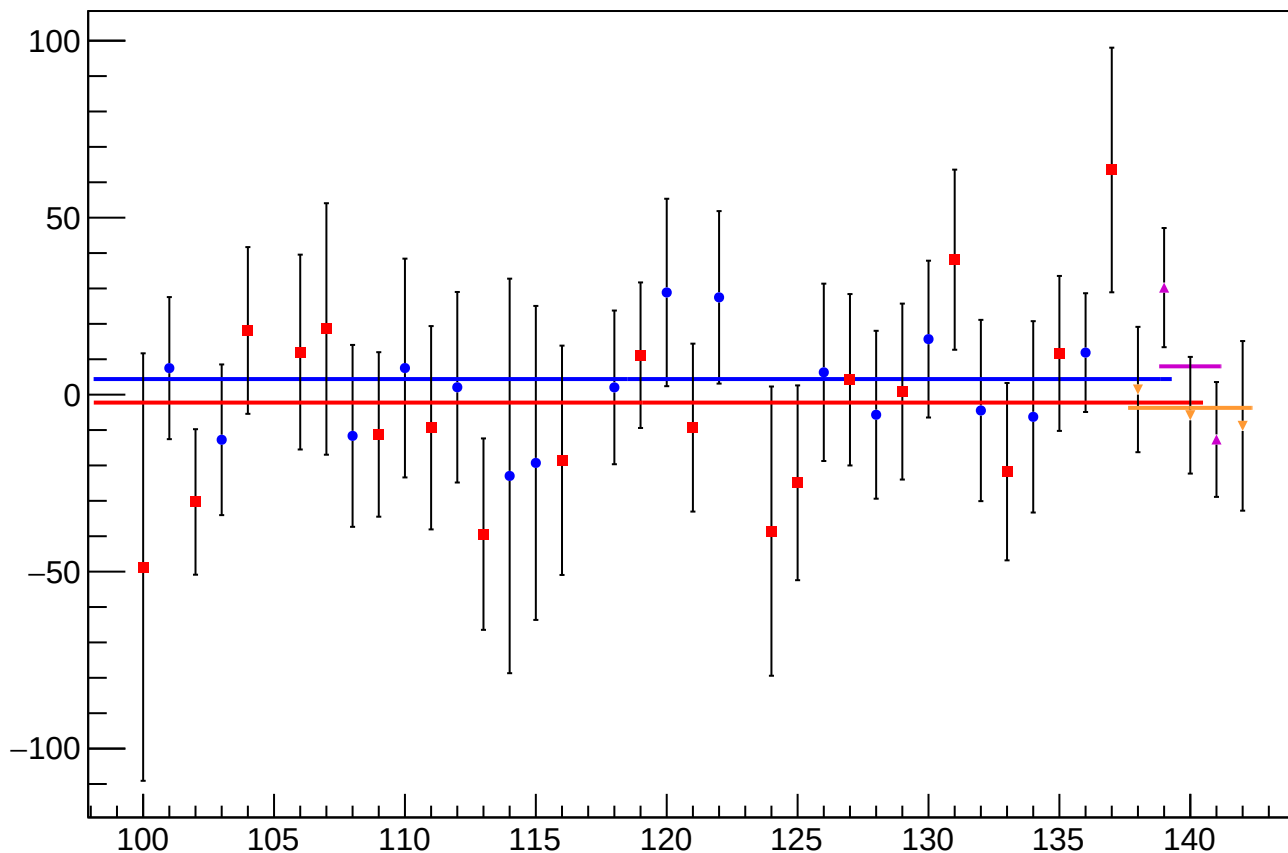
Left In: 21.355 $\pm$ 0.011 χ^2 /NDF:66.9/1

+ sign 21.776 $\pm$ 0.005 χ^2 /NDF: 20440.7/18

All: 21.743 $\pm$ 0.004 χ^2 /NDF: 40646.8/39

- sign 21.711 $\pm$ 0.005 χ^2 /NDF: 20122.5/20

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: -3.734 $\pm$ 10.776 χ^2 /NDF: 0.1/2

Right Out: -2.244 $\pm$ 6.042 χ^2 /NDF: 15.4/18

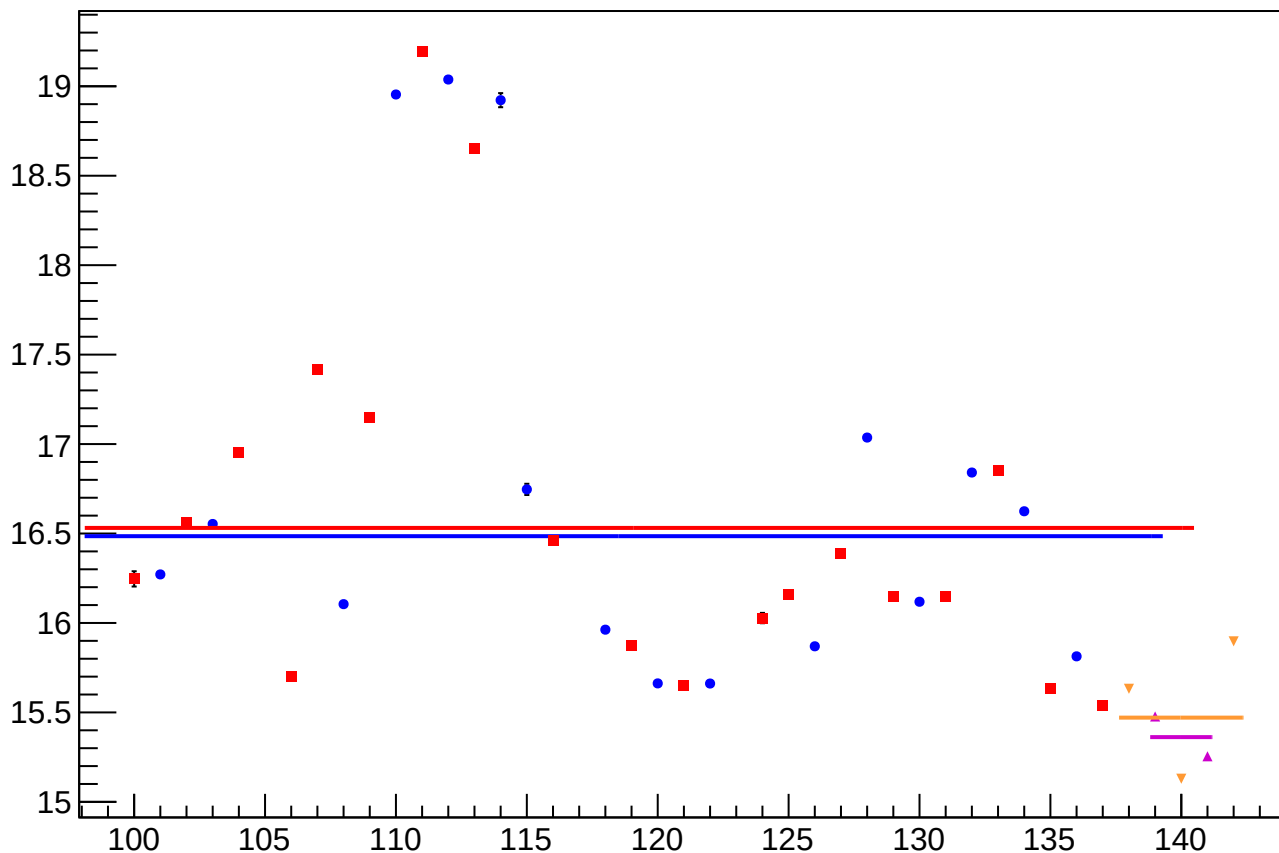
Left In: 7.998 $\pm$ 11.682 χ^2 /NDF: 3.4/1

+ sign 2.411 $\pm$ 5.333 χ^2 /NDF: 4.9/18

All: 1.173 $\pm$ 3.783 χ^2 /NDF: 24.3/39

- sign -0.082 $\pm$ 5.367 χ^2 /NDF: 19.4/20

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.485 $\pm$ 0.004 χ^2 /NDF: 47186.1/15

Left Out: 15.471 $\pm$ 0.008 χ^2 /NDF:1657.4/2

Right Out: 16.531 $\pm$ 0.004 χ^2 /NDF: 46474.0/18

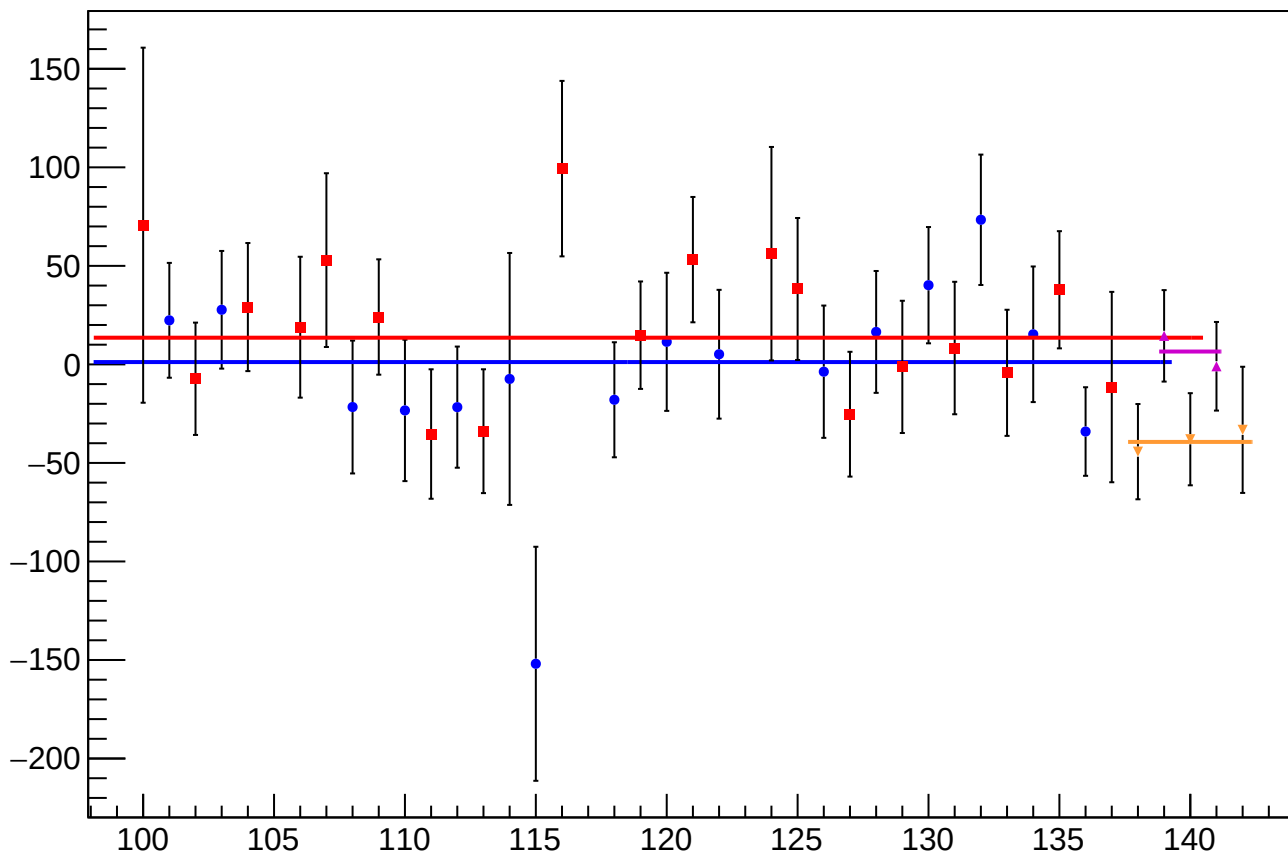
Left In: 15.362 $\pm$ 0.008 χ^2 /NDF:181.1/1

+ sign 16.237 $\pm$ 0.004 χ^2 /NDF: 62222.0/18

All: 16.260 $\pm$ 0.003 χ^2 /NDF: 124766.3/39

- sign 16.284 $\pm$ 0.004 χ^2 /NDF: 62464.5/20

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.185 $\pm$ 8.088 χ^2/NDF : 19.4/15

Left Out: -39.338 $\pm$ 14.879 χ^2/NDF : 0.1/2

Right Out: 13.549 $\pm$ 7.915 χ^2/NDF : 15.9/18

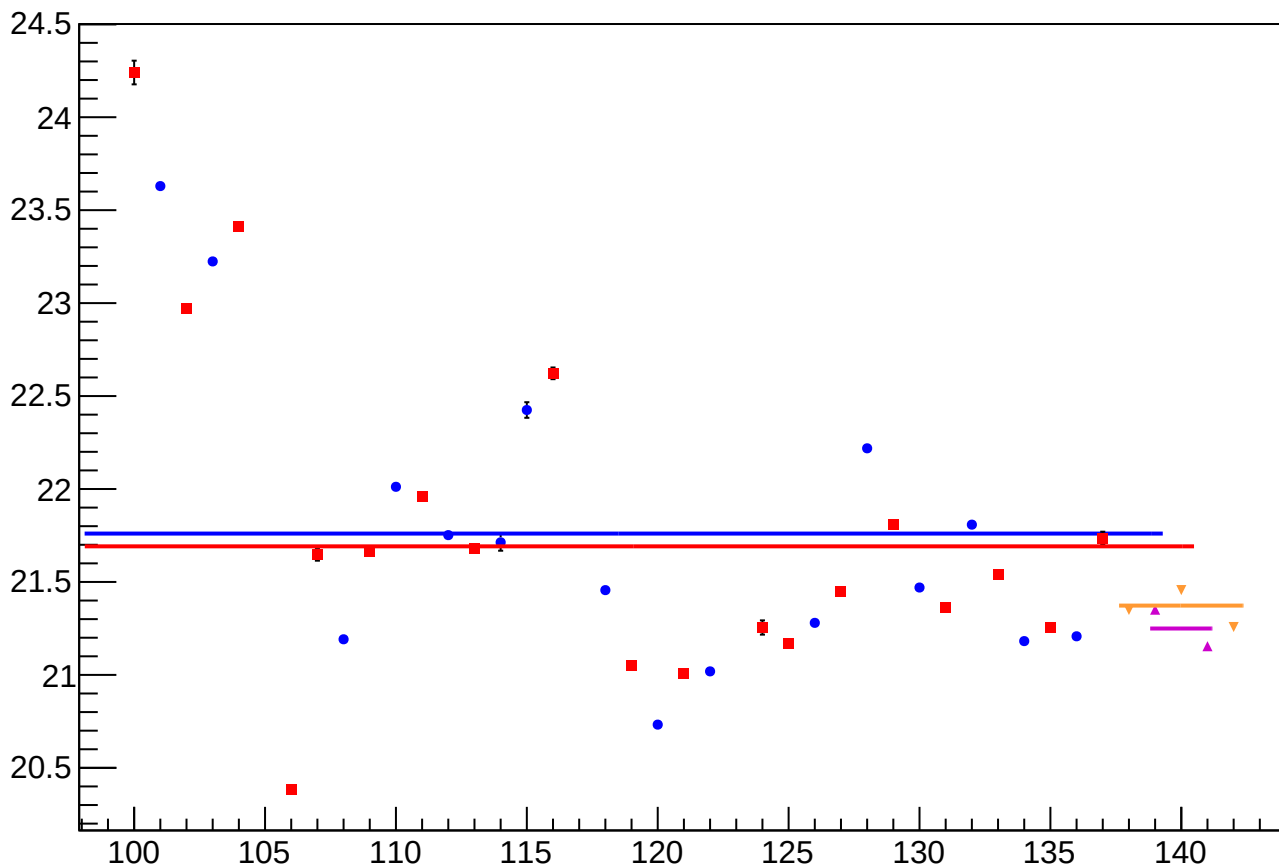
Left In: 6.524 $\pm$ 16.152 χ^2/NDF : 0.2/1

+ sign -8.058 $\pm$ 7.106 χ^2/NDF : 25.2/18

All: 2.063 $\pm$ 5.025 χ^2/NDF : 45.6/39

- sign 12.189 $\pm$ 7.107 χ^2/NDF : 16.3/20

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.760 ± 0.006 $\chi^2/\text{NDF}: 19745.7/15$

Left Out: 21.373 ± 0.011 $\chi^2/\text{NDF}: 53.3/2$

Right Out: 21.692 ± 0.006 $\chi^2/\text{NDF}: 18330.7/18$

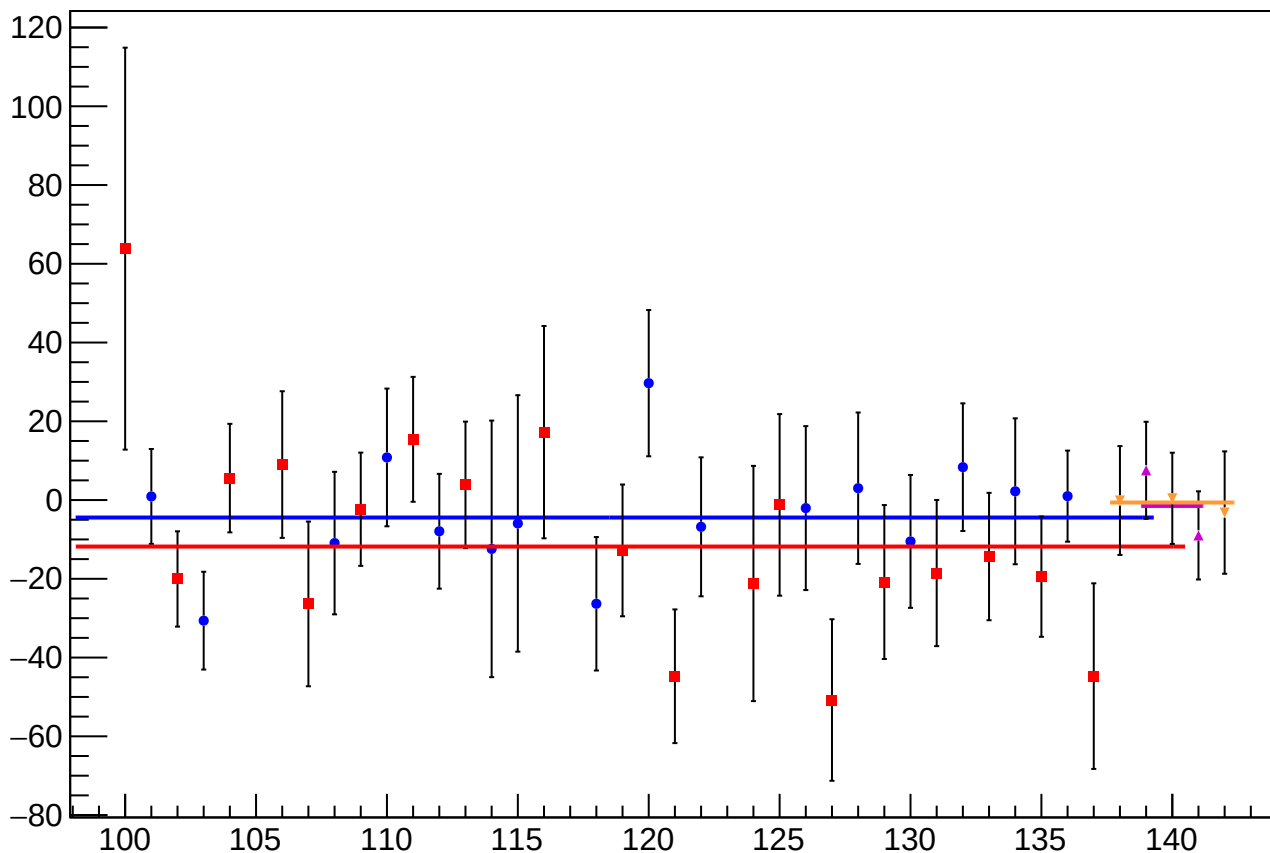
Left In: 21.250 ± 0.011 $\chi^2/\text{NDF}: 74.0/1$

+ sign 21.672 ± 0.005 $\chi^2/\text{NDF}: 20845.6/18$

All: 21.639 ± 0.004 $\chi^2/\text{NDF}: 40544.2/39$

- sign 21.606 ± 0.005 $\chi^2/\text{NDF}: 19612.6/20$

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: -0.623 ± 7.707 χ^2/NDF : 0.0/2

Right Out: -11.807 ± 4.097 χ^2/NDF : 21.7/18

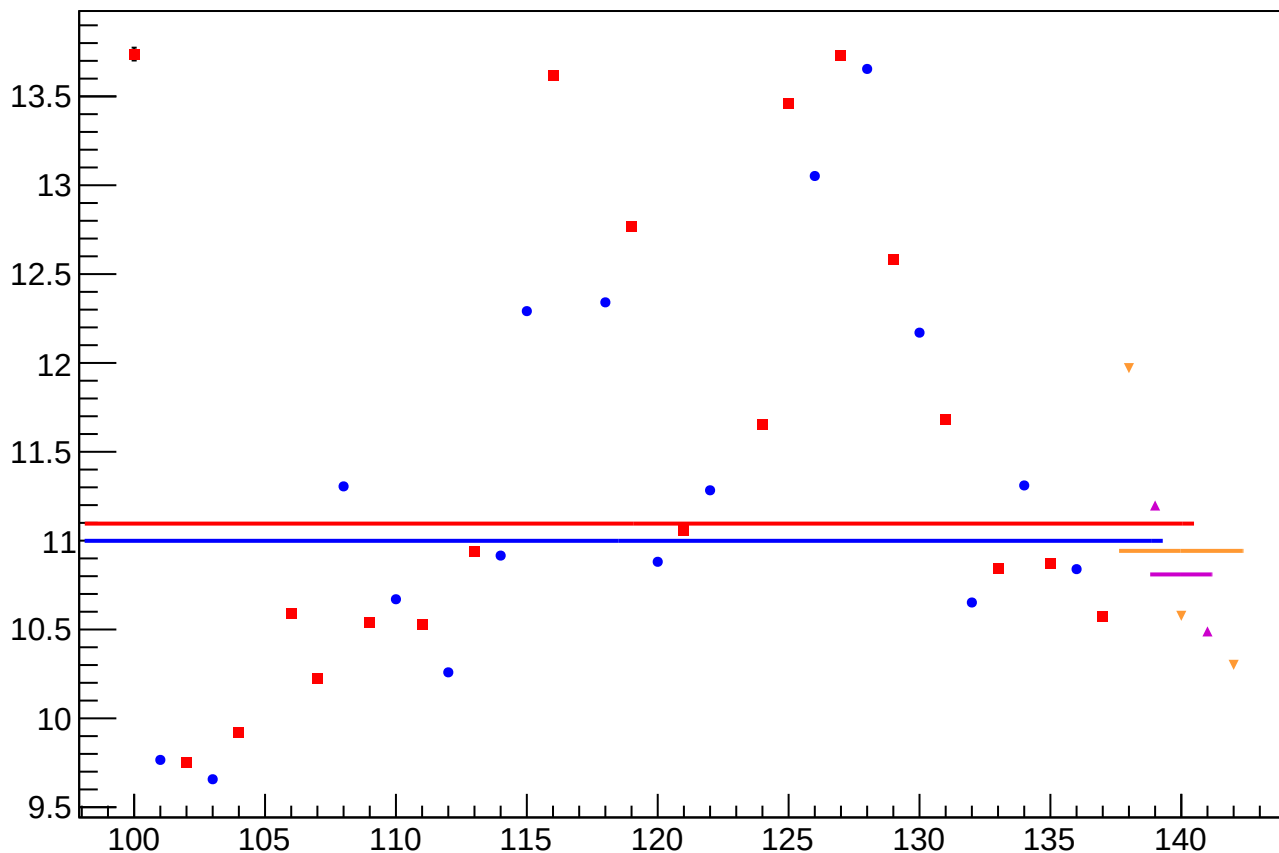
Left In: -1.496 ± 8.286 χ^2/NDF : 1.0/1

+ sign -3.588 ± 3.641 χ^2/NDF : 12.2/18

All: -6.657 ± 2.586 χ^2/NDF : 37.6/39

- sign -9.781 ± 3.673 χ^2/NDF : 24.0/20

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999 $\pm$ 0.003 χ^2 /NDF: 136159.2/15

Left Out: 10.942 $\pm$ 0.005 χ^2 /NDF:16471.4/2

Right Out: 11.096 $\pm$ 0.003 χ^2 /NDF: 162908.7/18

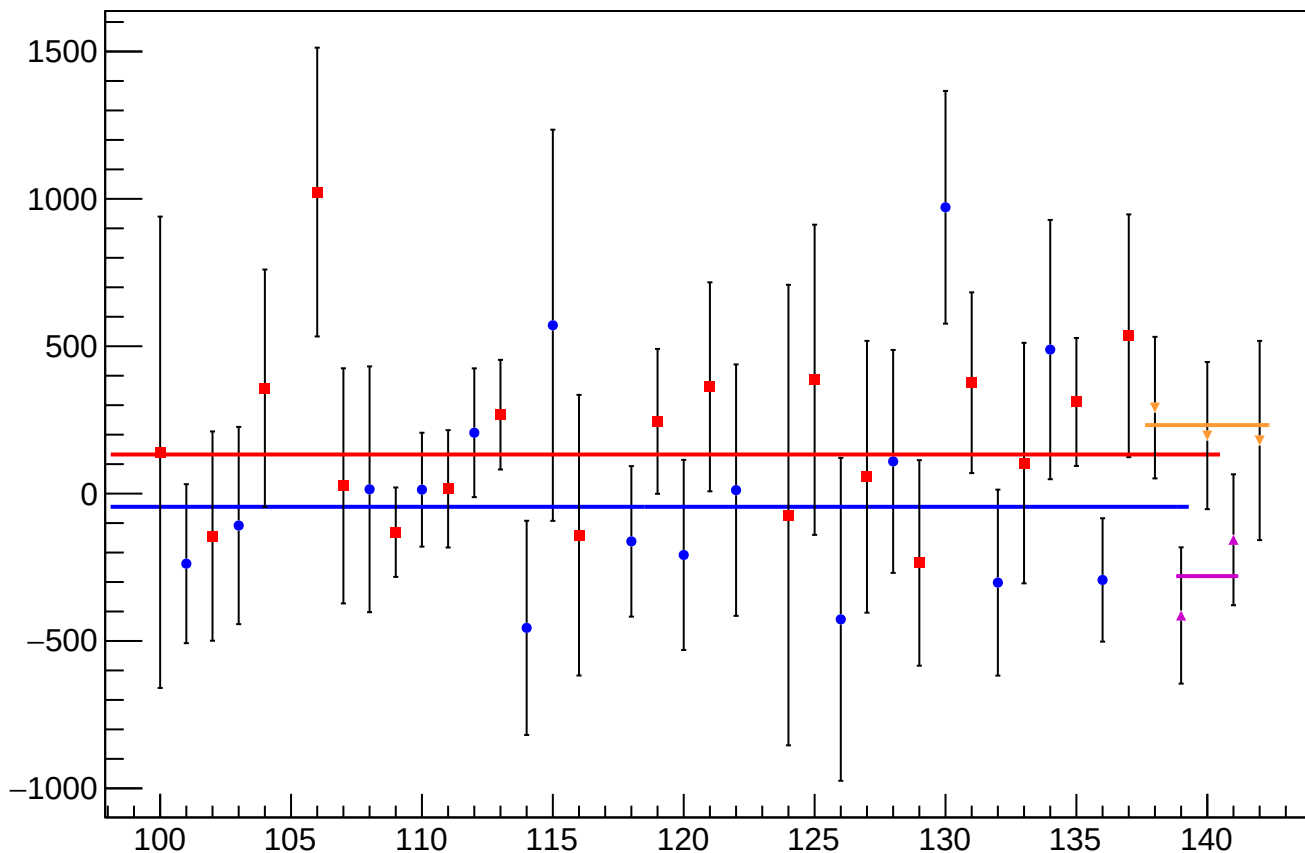
Left In: 10.810 $\pm$ 0.006 χ^2 /NDF:3622.0/1

+ sign 10.986 $\pm$ 0.003 χ^2 /NDF: 152714.2/18

All: 11.013 $\pm$ 0.002 χ^2 /NDF: 321373.0/39

- sign 11.040 $\pm$ 0.003 χ^2 /NDF: 168446.1/20

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: 232.423 ± 154.027 χ^2/NDF : 0.1/2

Right Out: 132.730 ± 68.270 χ^2/NDF : 12.9/18

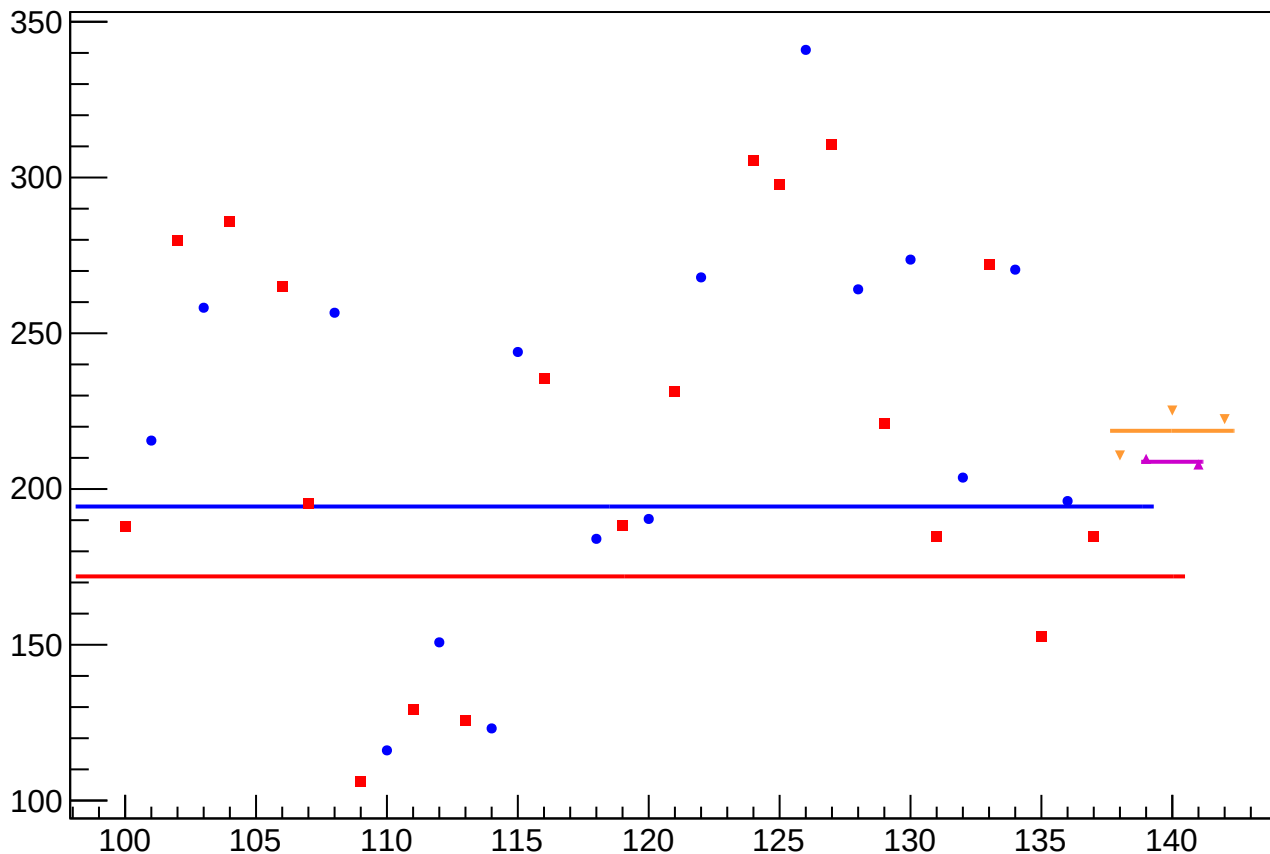
Left In: -279.905 ± 160.159 χ^2/NDF : 0.6/1

+ sign 9.968 ± 68.460 χ^2/NDF : 18.1/18

All: 42.177 ± 46.279 χ^2/NDF : 37.6/39

- sign 69.283 ± 62.802 χ^2/NDF : 19.1/20

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF : 1042024.1/15

Left Out: 218.691+/-0.109 χ^2/NDF : 3775.2/2

Right Out: 171.949+/-0.048 χ^2/NDF : 1651343.7/18

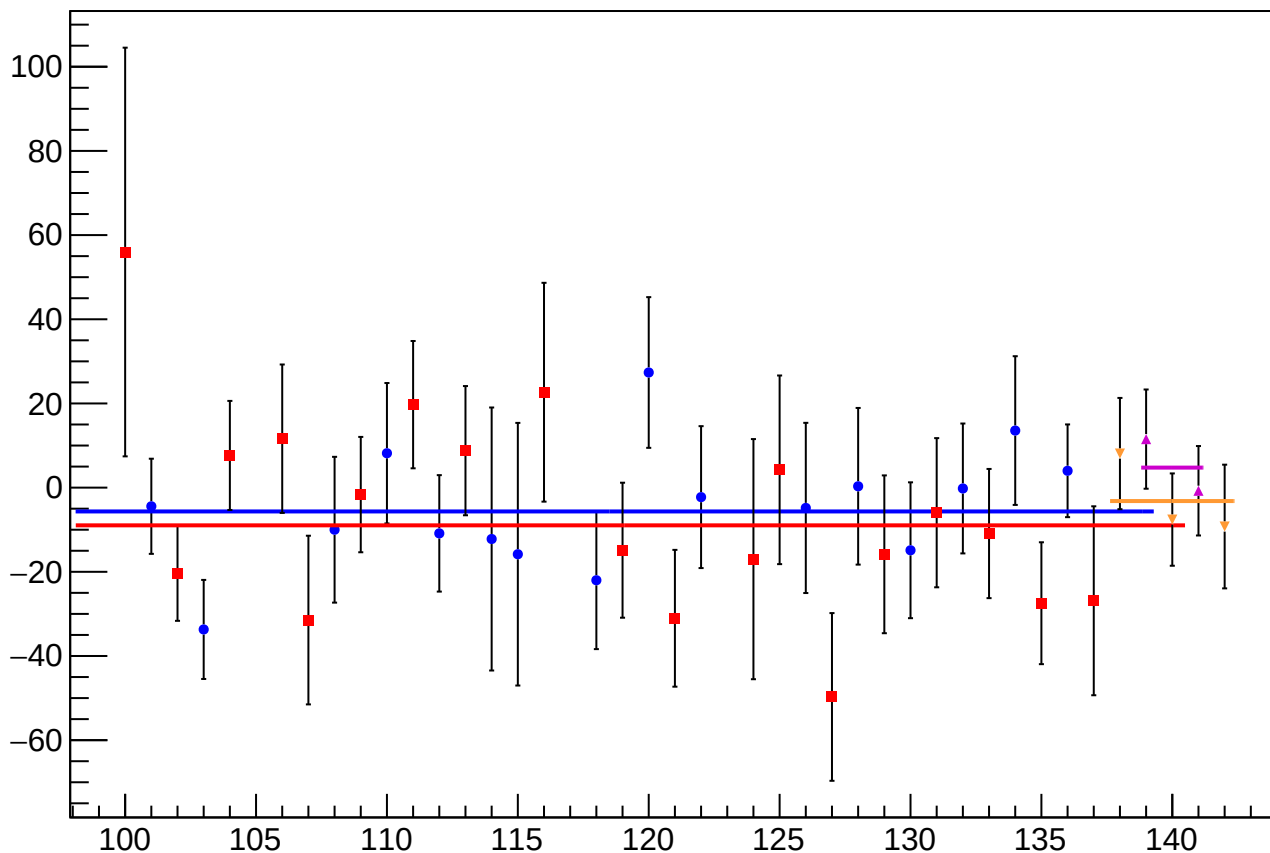
Left In: 208.750+/-0.113 χ^2/NDF : 65.1/1

+ sign 199.187+/-0.048 χ^2/NDF : 1085764.8/18

All: 187.469+/-0.033 χ^2/NDF : 2934441.1/39

- sign 177.607+/-0.044 χ^2/NDF : 1740767.9/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.657 ± 3.939 $\chi^2/\text{NDF}: 13.7/15$

Left Out: -3.191 ± 7.318 $\chi^2/\text{NDF}: 1.1/2$

Right Out: -8.960 ± 3.901 $\chi^2/\text{NDF}: 22.8/18$

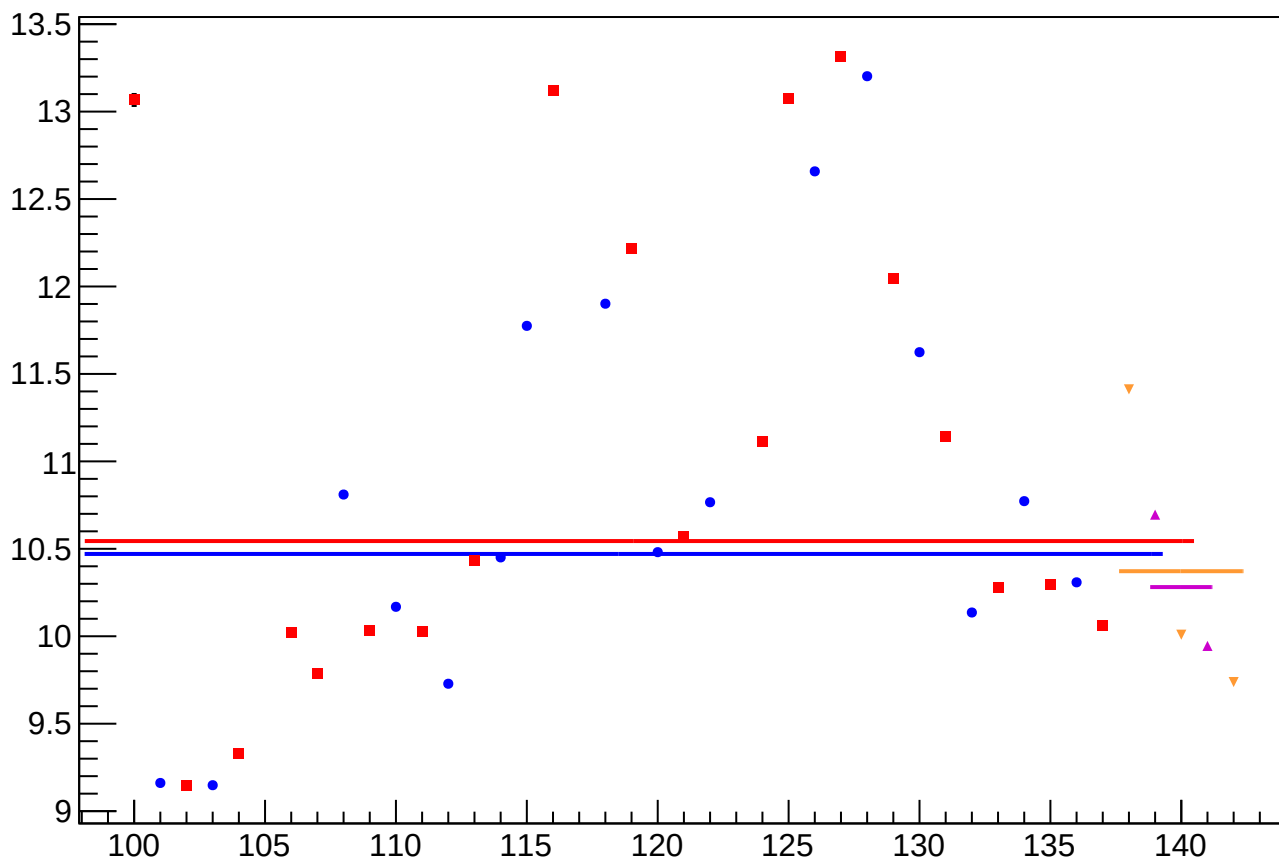
Left In: 4.757 ± 7.892 $\chi^2/\text{NDF}: 0.6/1$

+ sign -5.103 ± 3.469 $\chi^2/\text{NDF}: 14.8/18$

All: -5.680 ± 2.463 $\chi^2/\text{NDF}: 40.7/39$

- sign -6.267 ± 3.497 $\chi^2/\text{NDF}: 25.8/20$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471 $\pm$ 0.003 χ^2 /NDF: 157365.8/15

Left Out: 10.372 $\pm$ 0.005 χ^2 /NDF: 18294.4/2

Right Out: 10.544 $\pm$ 0.003 χ^2 /NDF: 186780.3/18

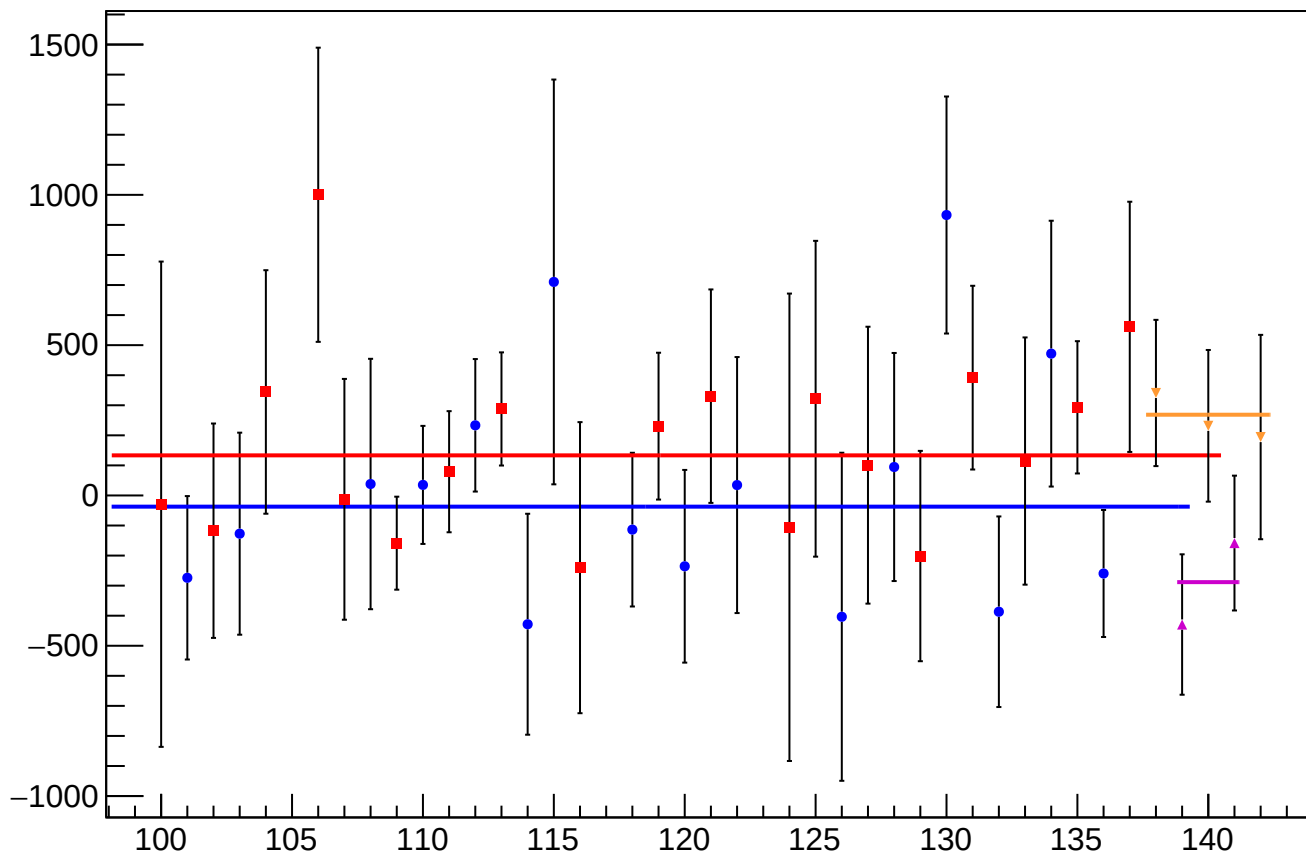
Left In: 10.281 $\pm$ 0.006 χ^2 /NDF: 4473.6/1

+ sign 10.448 $\pm$ 0.002 χ^2 /NDF: 175941.7/18

All: 10.470 $\pm$ 0.002 χ^2 /NDF: 369143.9/39

- sign 10.493 $\pm$ 0.002 χ^2 /NDF: 193040.7/20

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -37.241 ± 76.915 χ^2/NDF : 15.6/15

Left Out: 268.577 ± 155.668 χ^2/NDF : 0.2/2

Right Out: 133.386 ± 68.885 χ^2/NDF : 12.9/18

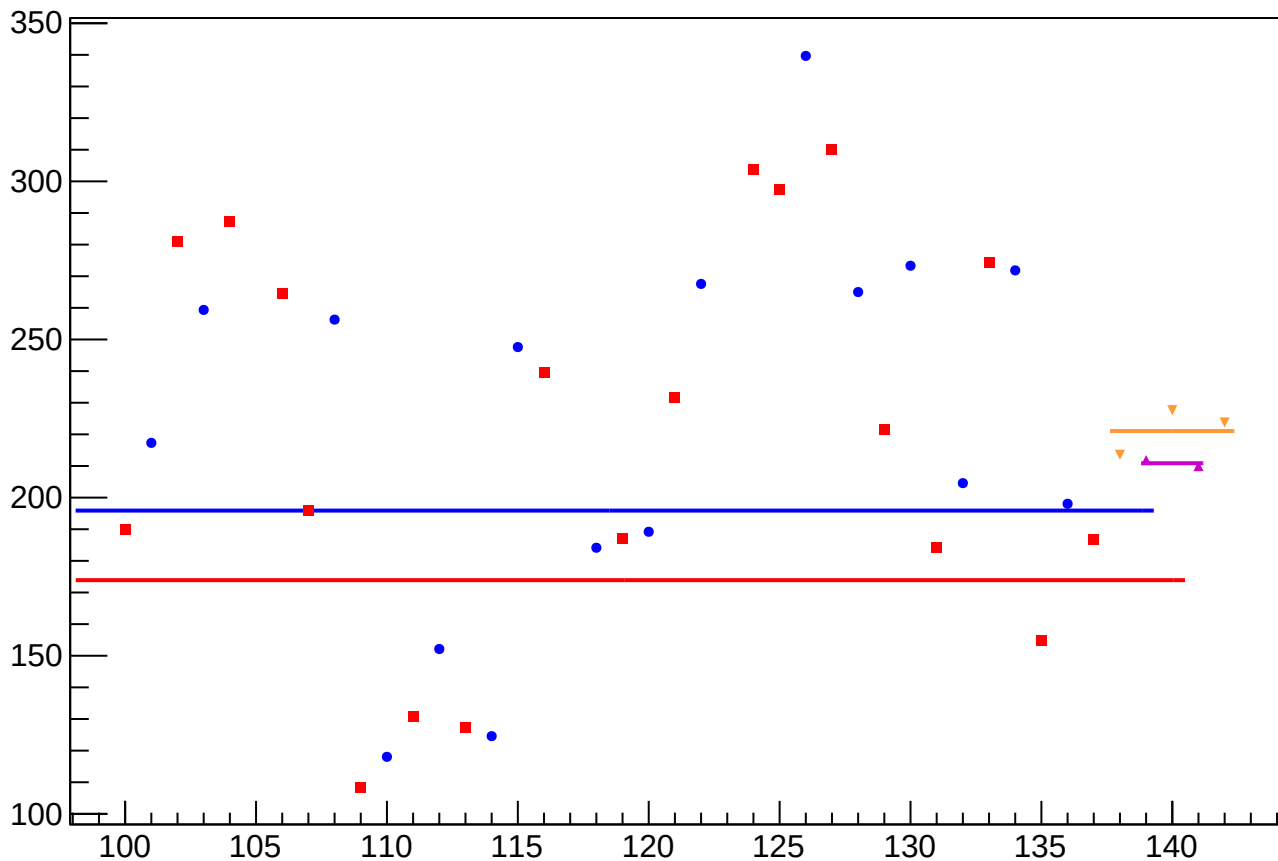
Left In: -288.365 ± 161.769 χ^2/NDF : 0.7/1

+ sign 22.768 ± 68.957 χ^2/NDF : 18.9/18

All: 47.639 ± 46.663 χ^2/NDF : 38.5/39

- sign 68.649 ± 63.378 χ^2/NDF : 19.4/20

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: 221.057 $\pm$ 0.110 χ^2 /NDF:3392.0/2

Right Out: 173.901 $\pm$ 0.049 χ^2 /NDF: 1599608.1/18

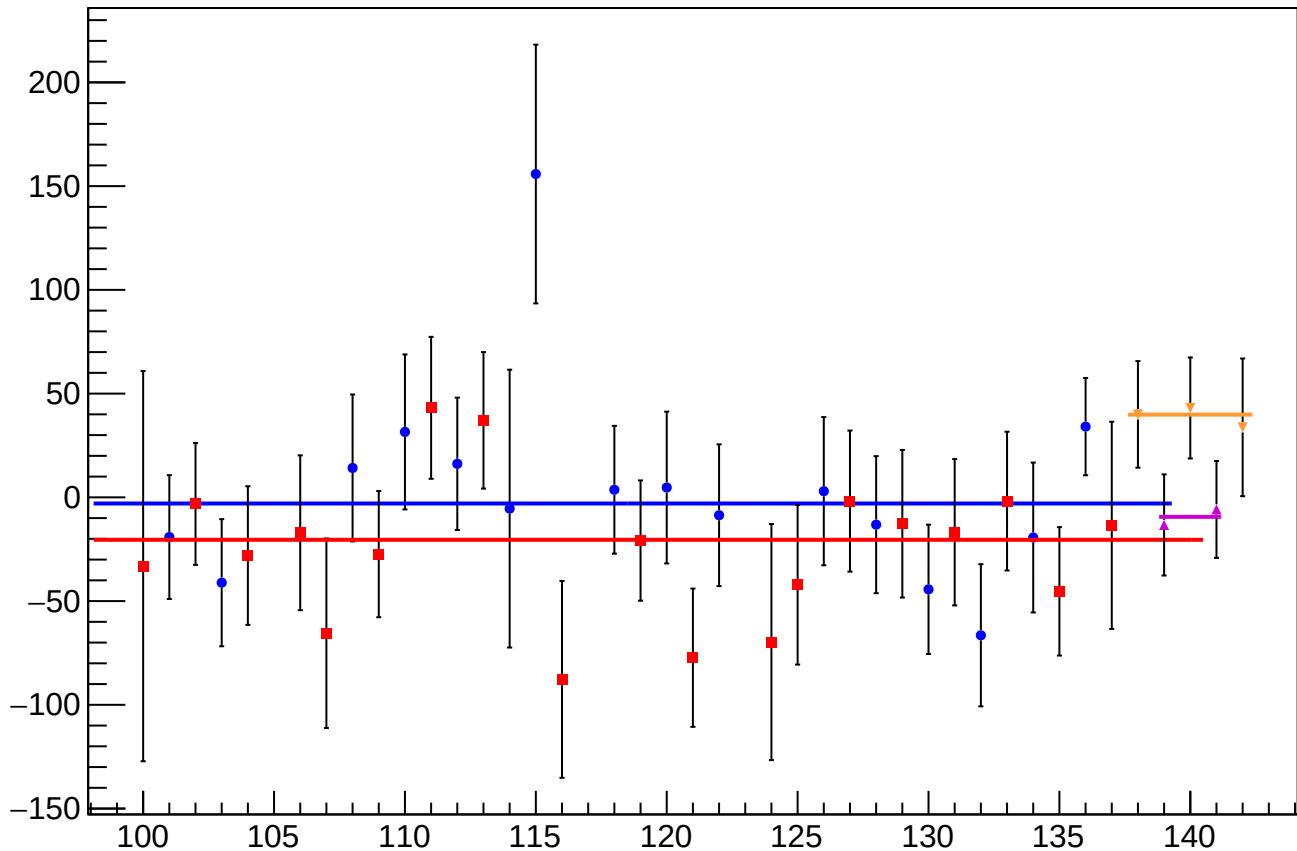
Left In: 210.877 $\pm$ 0.114 χ^2 /NDF:69.6/1

+ sign 200.836 $\pm$ 0.049 χ^2 /NDF: 1056390.6/18

All: 189.312 $\pm$ 0.033 χ^2 /NDF: 2847564.1/39

- sign 179.577 $\pm$ 0.045 χ^2 /NDF: 1688127.2/20

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: 39.872 ± 15.598 χ^2/NDF : 0.1/2

Right Out: -20.457 ± 8.292 χ^2/NDF : 15.3/18

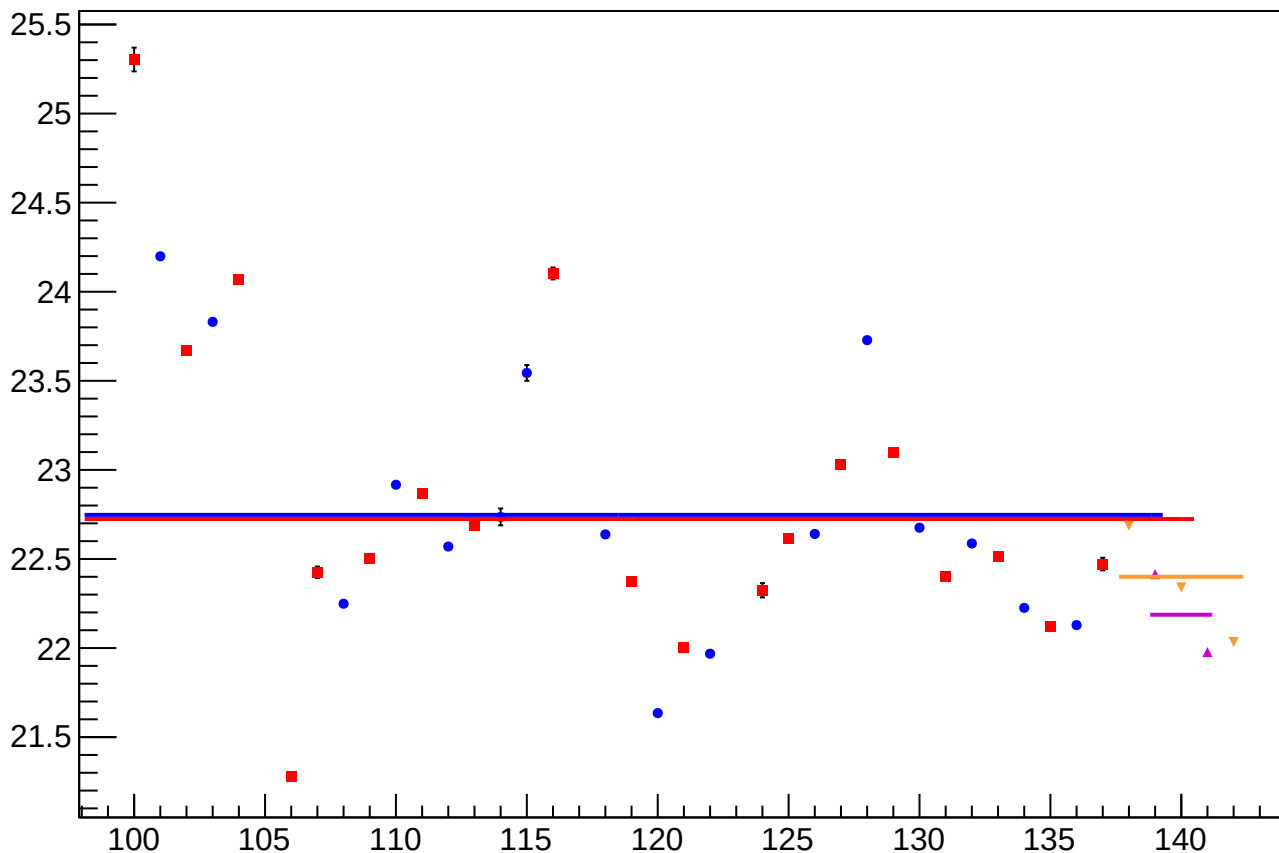
Left In: -9.404 ± 16.865 χ^2/NDF : 0.0/1

+ sign 6.760 ± 7.433 χ^2/NDF : 23.8/18

All: -5.758 ± 5.259 χ^2/NDF : 45.2/39

- sign -18.305 ± 7.441 χ^2/NDF : 15.7/20

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2 /NDF: 14622.8/15

Left Out: 22.400+/-0.011 χ^2 /NDF: 503.6/2

Right Out: 22.724+/-0.006 χ^2 /NDF: 14490.6/18

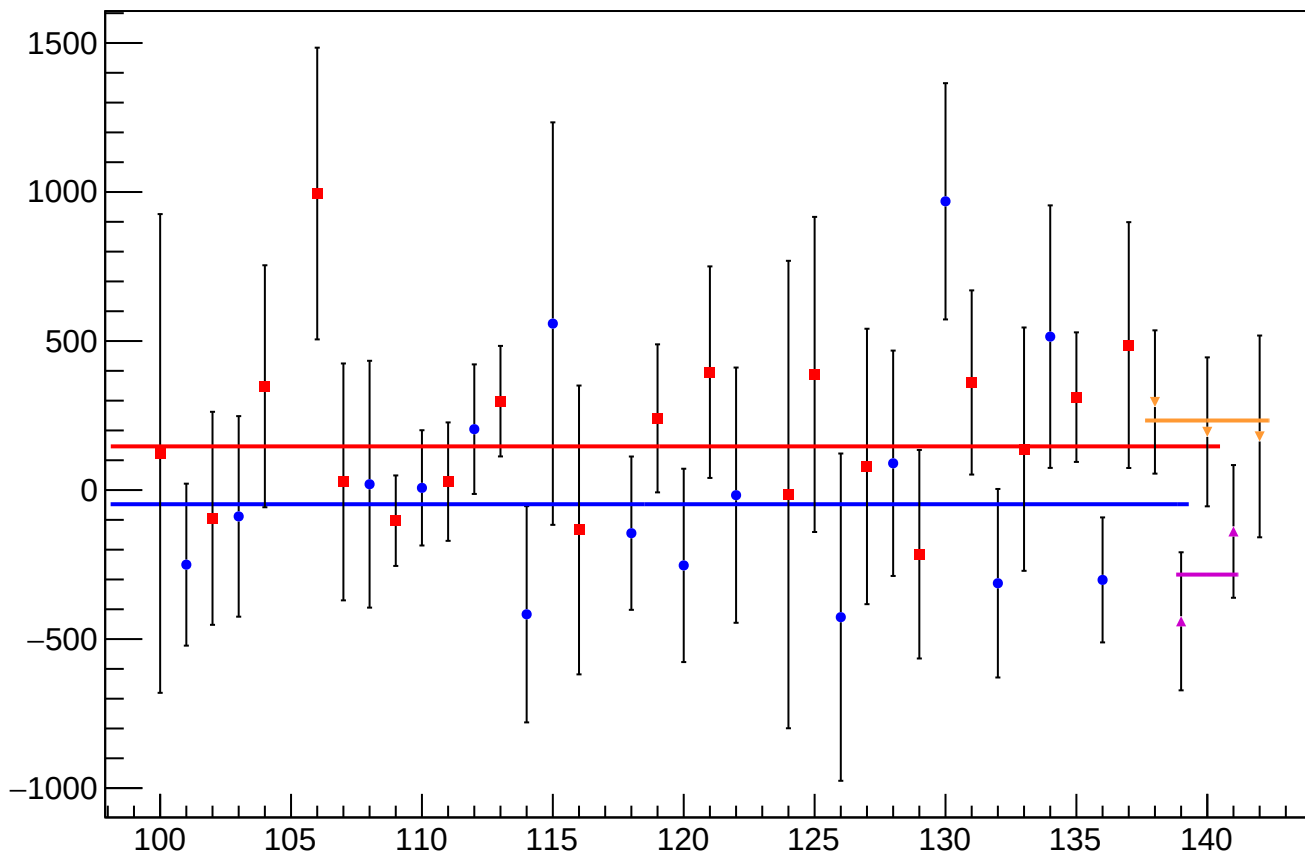
Left In: 22.187+/-0.012 χ^2 /NDF: 335.3/1

+ sign 22.669+/-0.005 χ^2 /NDF: 15892.6/18

All: 22.644+/-0.004 χ^2 /NDF: 32395.8/39

- sign 22.620+/-0.005 χ^2 /NDF: 16459.9/20

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: 233.366 ± 154.215 χ^2/NDF : 0.1/2

Right Out: 146.573 ± 68.398 χ^2/NDF : 11.6/18

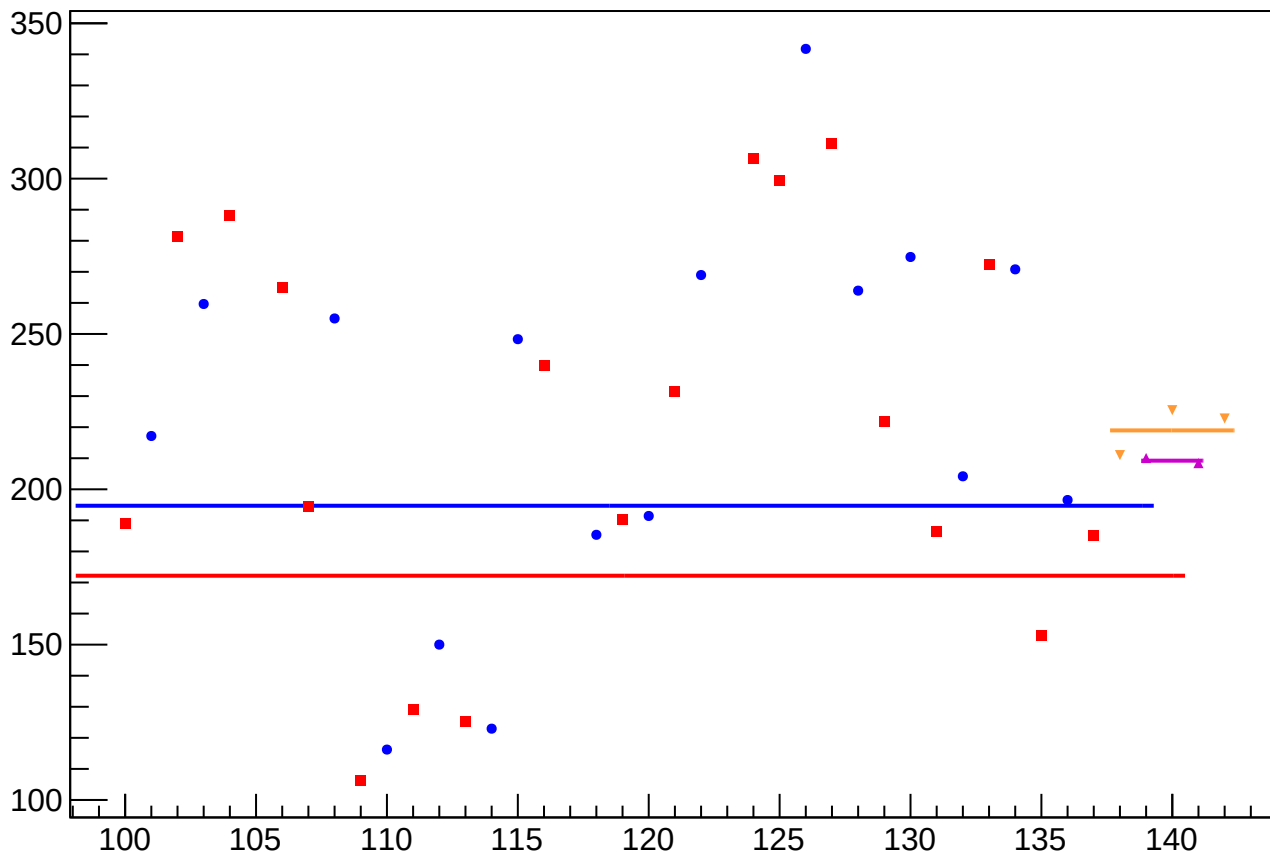
Left In: -283.621 ± 160.511 χ^2/NDF : 0.9/1

+ sign 8.030 ± 68.582 χ^2/NDF : 18.2/18

All: 47.357 ± 46.365 χ^2/NDF : 37.3/39

- sign 80.461 ± 62.923 χ^2/NDF : 18.5/20

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: 218.960 $\pm$ 0.109 χ^2 /NDF:3804.8/2

Right Out: 172.186 $\pm$ 0.048 χ^2 /NDF: 1671068.3/18

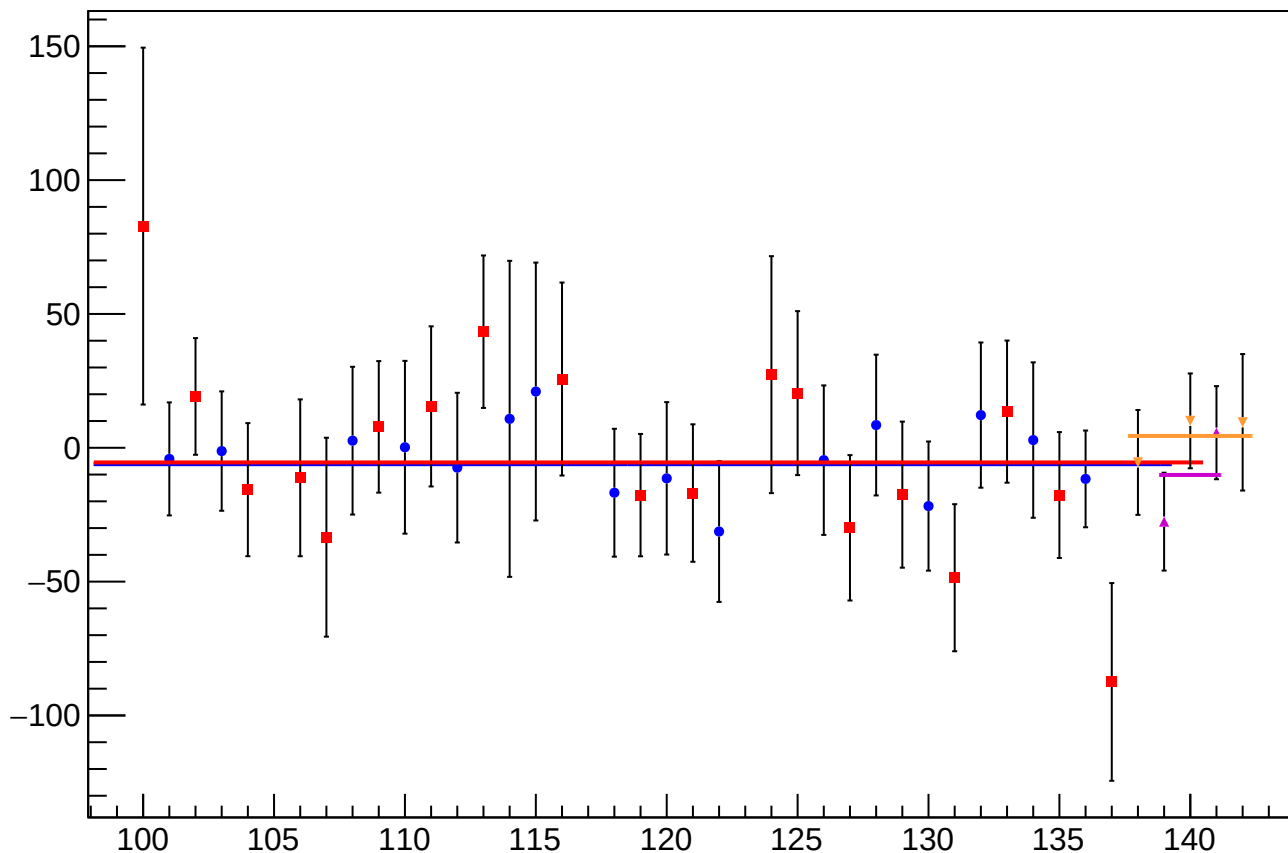
Left In: 209.217 $\pm$ 0.113 χ^2 /NDF:52.3/1

+ sign 199.504 $\pm$ 0.048 χ^2 /NDF: 1095773.9/18

All: 187.762 $\pm$ 0.033 χ^2 /NDF: 2964975.8/39

- sign 177.877 $\pm$ 0.044 χ^2 /NDF: 1761212.1/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.119 ± 6.592 χ^2/NDF : 3.1/15

Left Out: 4.427 ± 11.679 χ^2/NDF : 0.4/2

Right Out: -5.470 ± 6.509 χ^2/NDF : 19.2/18

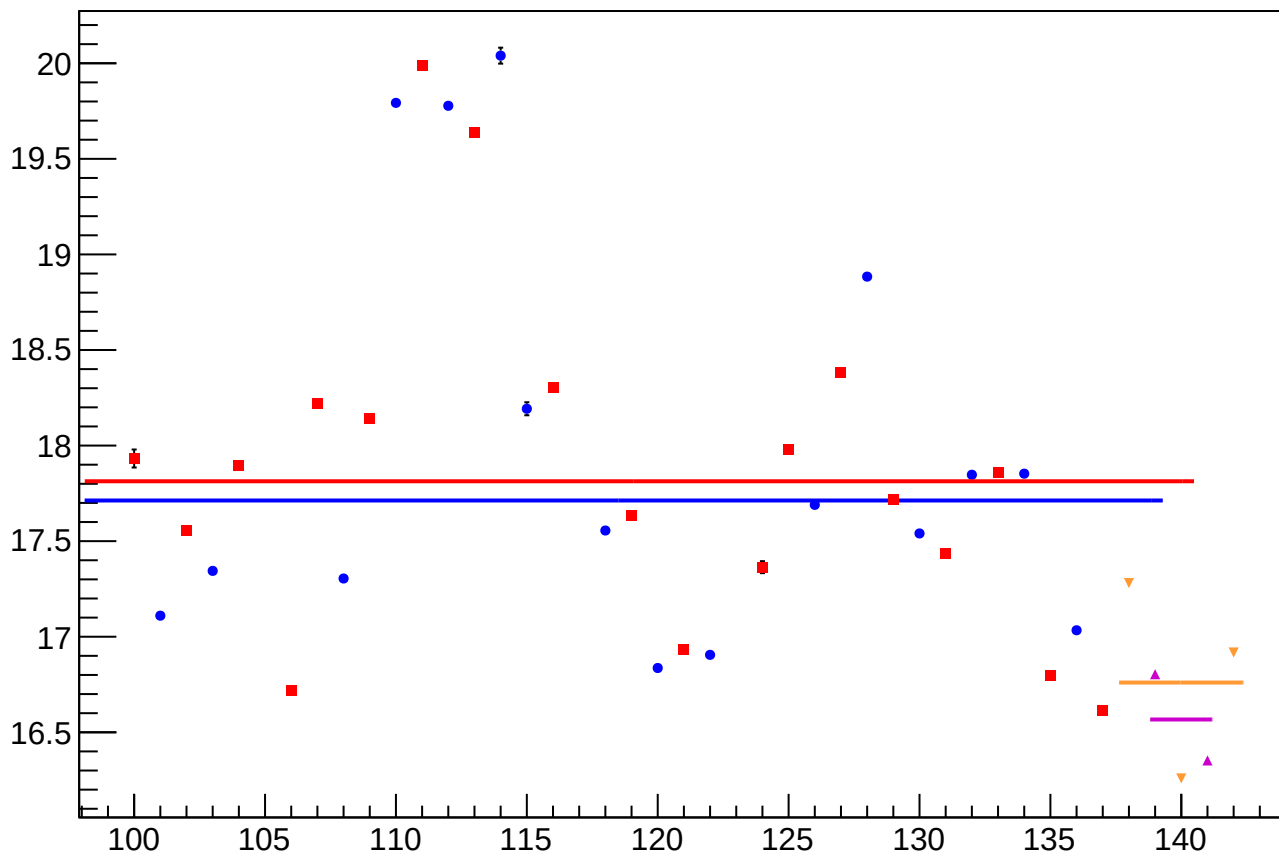
Left In: -10.143 ± 12.602 χ^2/NDF : 1.7/1

+ sign -3.571 ± 5.741 χ^2/NDF : 4.1/18

All: -5.002 ± 4.074 χ^2/NDF : 25.3/39

- sign -6.454 ± 5.783 χ^2/NDF : 21.0/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.713 $\pm$ 0.005 χ^2 /NDF: 35983.5/15

Left Out: 16.760 $\pm$ 0.008 χ^2 /NDF: 3090.6/2

Right Out: 17.813 $\pm$ 0.005 χ^2 /NDF: 32713.6/18

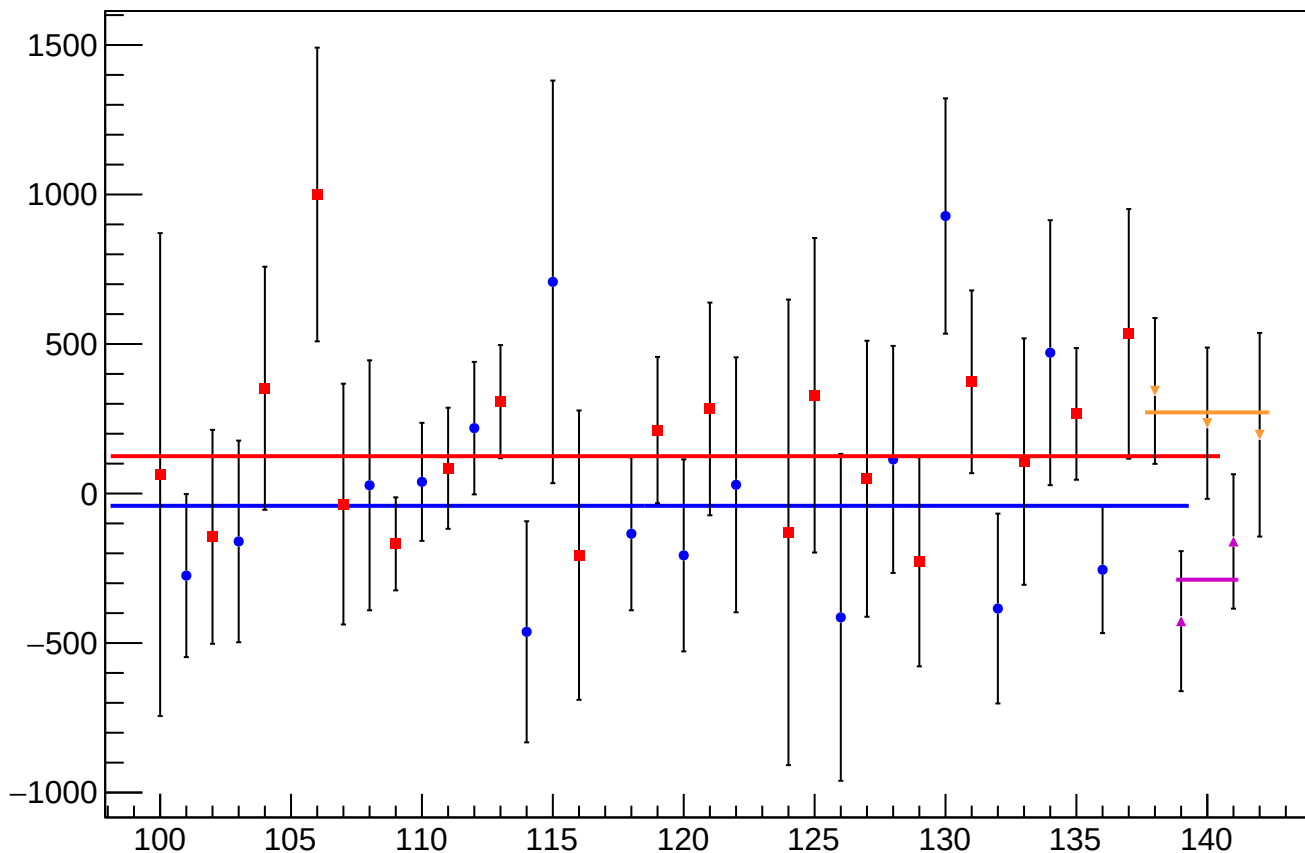
Left In: 16.567 $\pm$ 0.009 χ^2 /NDF: 638.7/1

+ sign 17.483 $\pm$ 0.004 χ^2 /NDF: 49159.2/18

All: 17.516 $\pm$ 0.003 χ^2 /NDF: 98091.4/39

- sign 17.551 $\pm$ 0.004 χ^2 /NDF: 48791.8/20

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -41.114 ± 77.139 χ^2/NDF : 15.6/15

Left Out: 271.239 ± 156.049 χ^2/NDF : 0.2/2

Right Out: 124.872 ± 69.109 χ^2/NDF : 12.9/18

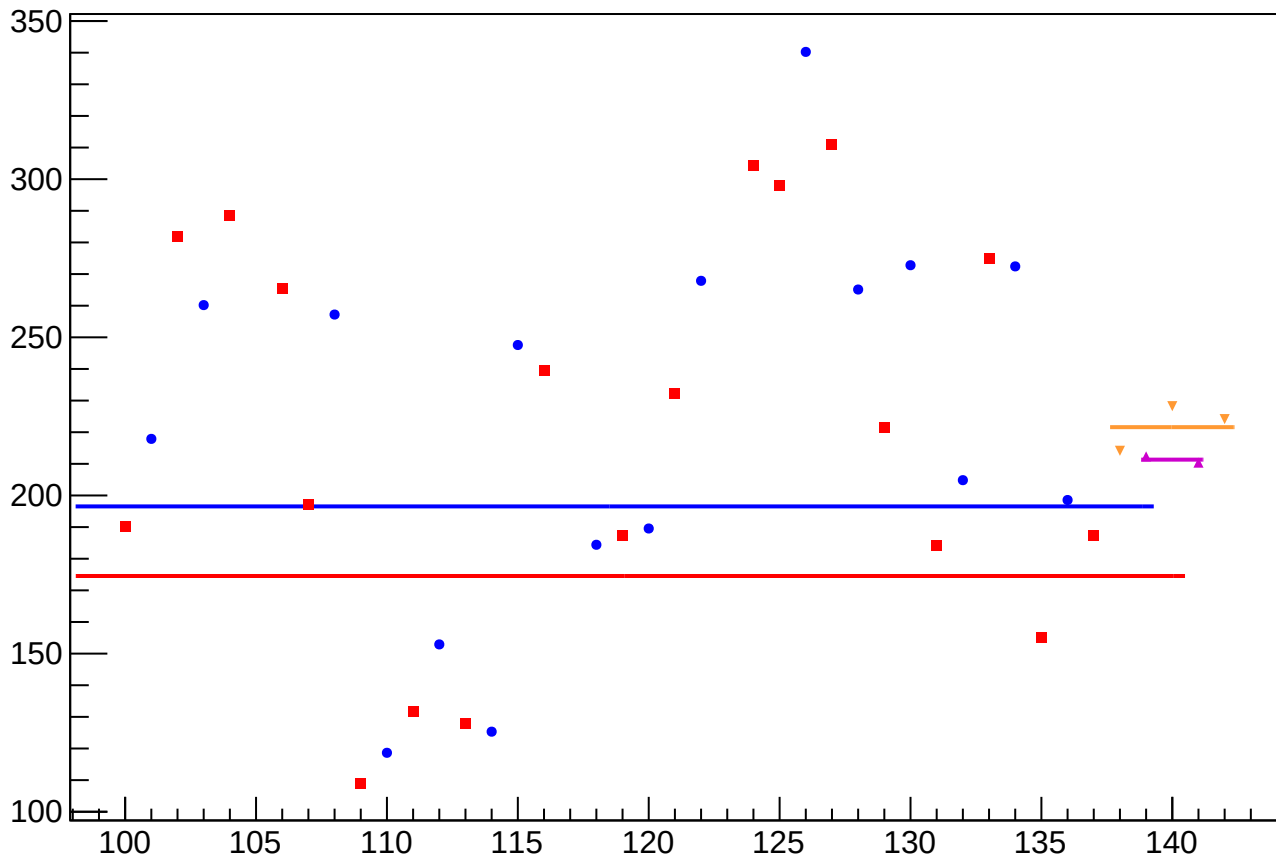
Left In: -288.142 ± 162.116 χ^2/NDF : 0.7/1

+ sign 20.223 ± 69.151 χ^2/NDF : 19.0/18

All: 42.517 ± 46.801 χ^2/NDF : 38.2/39

- sign 61.359 ± 63.573 χ^2/NDF : 19.0/20

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: 221.598 $\pm$ 0.110 χ^2 /NDF:3362.1/2

Right Out: 174.540 $\pm$ 0.049 χ^2 /NDF: 1588725.2/18

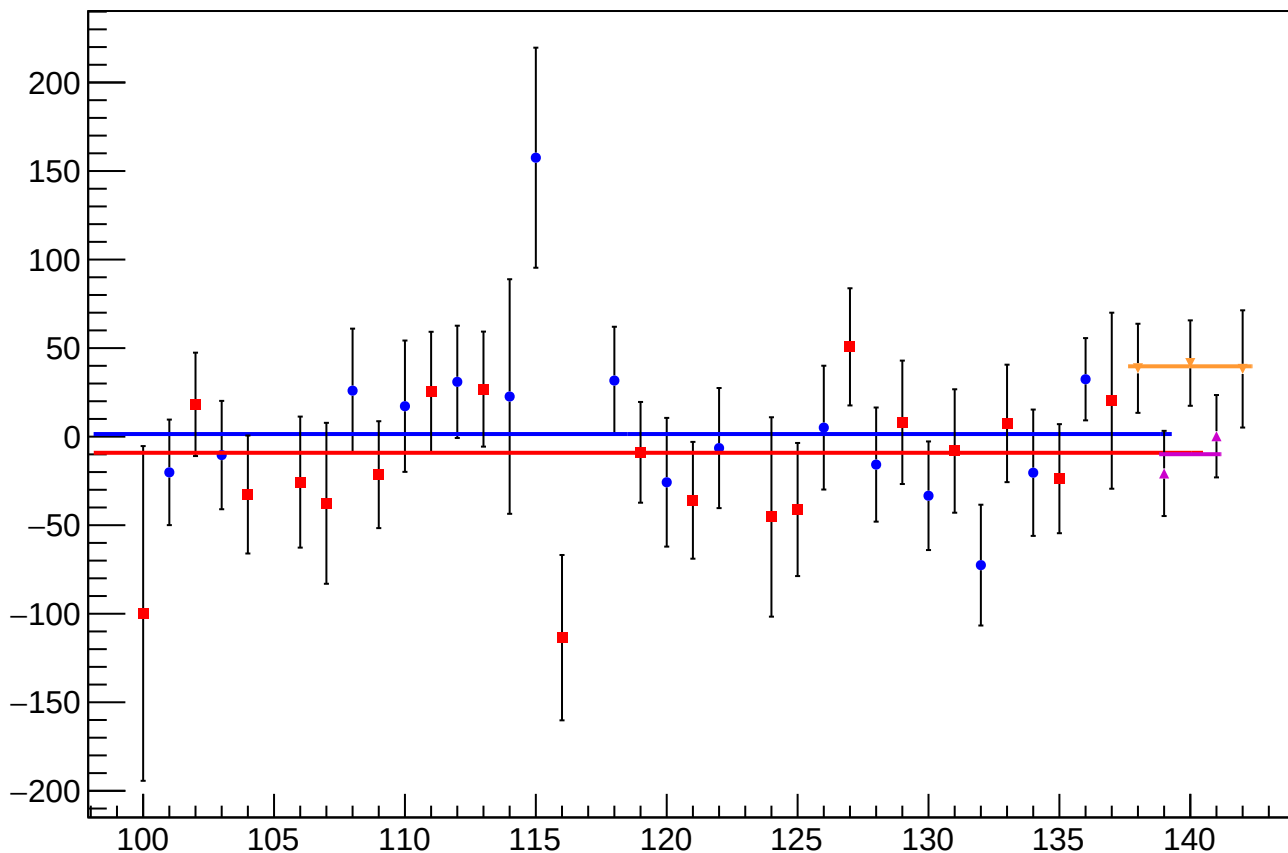
Left In: 211.330 $\pm$ 0.115 χ^2 /NDF:73.6/1

+ sign 201.462 $\pm$ 0.049 χ^2 /NDF: 1045569.3/18

All: 189.938 $\pm$ 0.033 χ^2 /NDF: 2824028.6/39

- sign 180.197 $\pm$ 0.045 χ^2 /NDF: 1675959.1/20

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 1.475 ± 8.370 $\chi^2/\text{NDF}: 18.7/15$

Left Out: 39.724 ± 15.410 $\chi^2/\text{NDF}: 0.0/2$

Right Out: -9.113 ± 8.198 $\chi^2/\text{NDF}: 16.5/18$

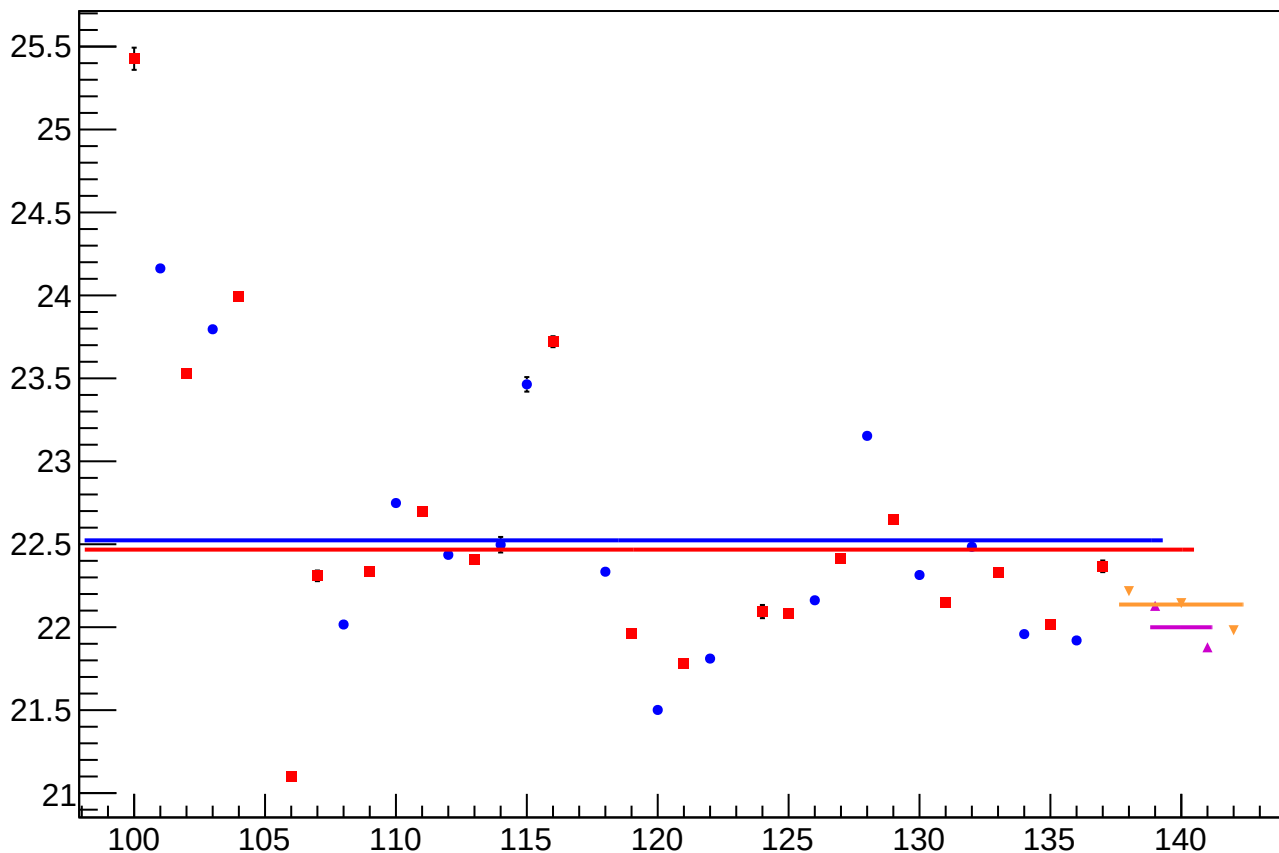
Left In: -9.911 ± 16.721 $\chi^2/\text{NDF}: 0.4/1$

+ sign 10.189 ± 7.355 $\chi^2/\text{NDF}: 23.4/18$

All: 0.467 ± 5.203 $\chi^2/\text{NDF}: 43.8/39$

- sign -9.268 ± 7.361 $\chi^2/\text{NDF}: 16.9/20$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.524 $\pm$ 0.006 χ^2 /NDF: 15947.8/15

Left Out: 22.137 $\pm$ 0.011 χ^2 /NDF: 64.7/2

Right Out: 22.468 $\pm$ 0.006 χ^2 /NDF: 15626.5/18

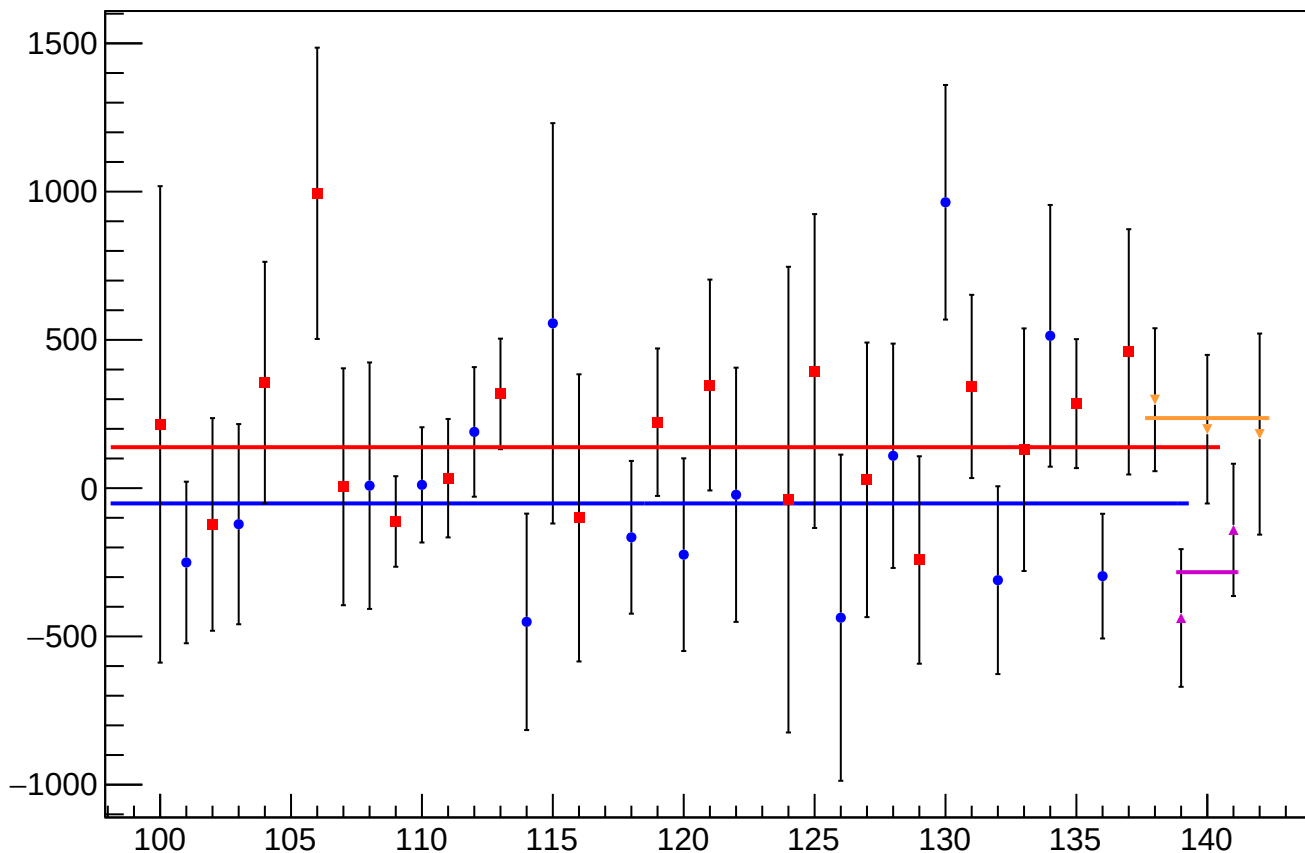
Left In: 22.000 $\pm$ 0.012 χ^2 /NDF: 111.4/1

+ sign 22.435 $\pm$ 0.005 χ^2 /NDF: 16986.2/18

All: 22.406 $\pm$ 0.004 χ^2 /NDF: 34050.3/39

- sign 22.377 $\pm$ 0.005 χ^2 /NDF: 17000.8/20

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -51.492 ± 76.798 χ^2/NDF : 15.3/15

Left Out: 236.294 ± 154.596 χ^2/NDF : 0.1/2

Right Out: 138.184 ± 68.625 χ^2/NDF : 11.6/18

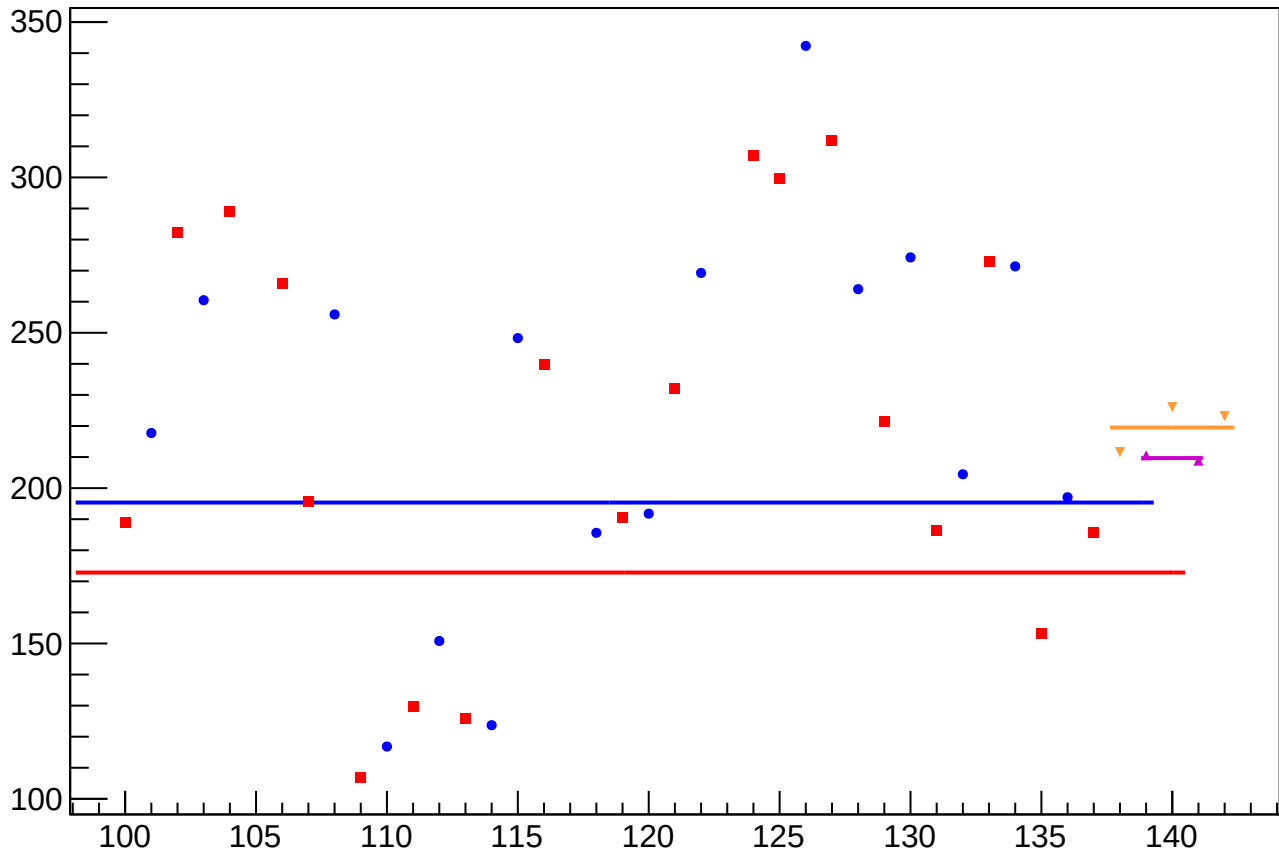
Left In: -283.409 ± 160.860 χ^2/NDF : 0.9/1

+ sign 5.470 ± 68.779 χ^2/NDF : 18.2/18

All: 42.273 ± 46.505 χ^2/NDF : 37.0/39

- sign 73.270 ± 63.121 χ^2/NDF : 18.3/20

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF : 1041432.1/15

Left Out: 219.502+/-0.109 χ^2/NDF : 3762.5/2

Right Out: 172.837+/-0.049 χ^2/NDF : 1659430.2/18

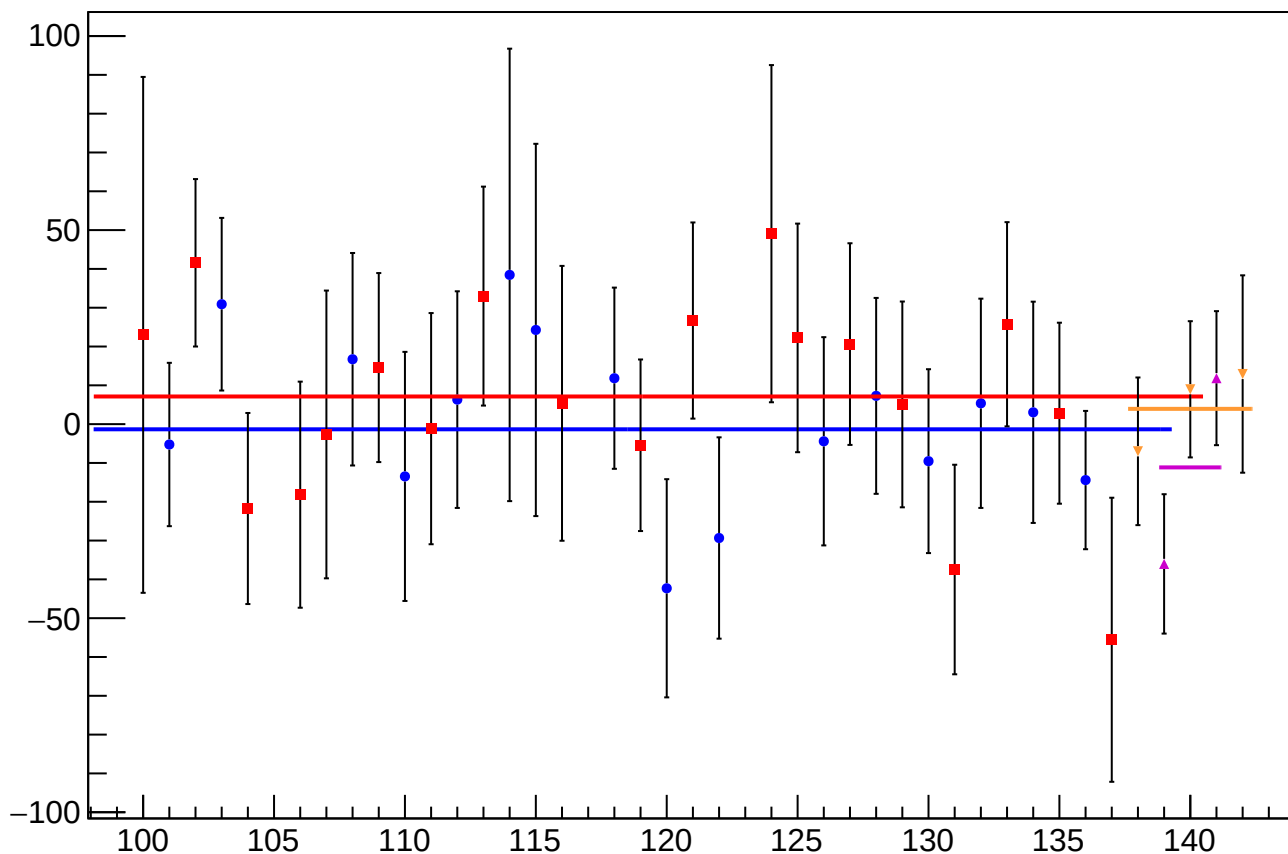
Left In: 209.674+/-0.114 χ^2/NDF : 56.0/1

+ sign 200.139+/-0.049 χ^2/NDF : 1084311.4/18

All: 188.398+/-0.033 χ^2/NDF : 2939903.6/39

- sign 178.509+/-0.045 χ^2/NDF : 1748217.1/20

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: 3.939 ± 11.504 χ^2/NDF : 0.5/2

Right Out: 7.126 ± 6.402 χ^2/NDF : 14.4/18

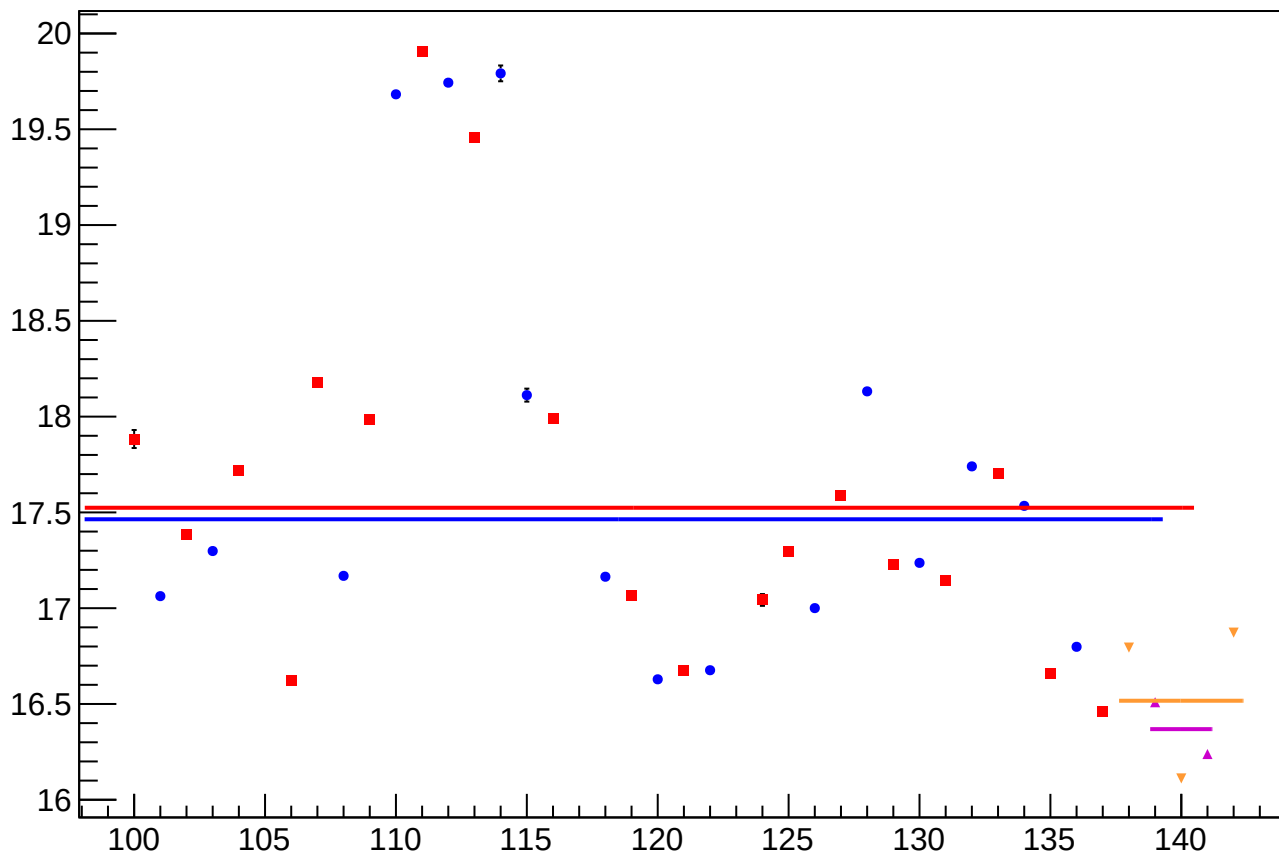
Left In: -11.147 ± 12.447 χ^2/NDF : 3.7/1

+ sign -0.056 ± 5.658 χ^2/NDF : 8.7/18

All: 1.613 ± 4.013 χ^2/NDF : 28.7/39

- sign 3.304 ± 5.693 χ^2/NDF : 19.8/20

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: 16.517 $\pm$ 0.008 χ^2 /NDF: 1883.9/2

Right Out: 17.524 $\pm$ 0.005 χ^2 /NDF: 34726.0/18

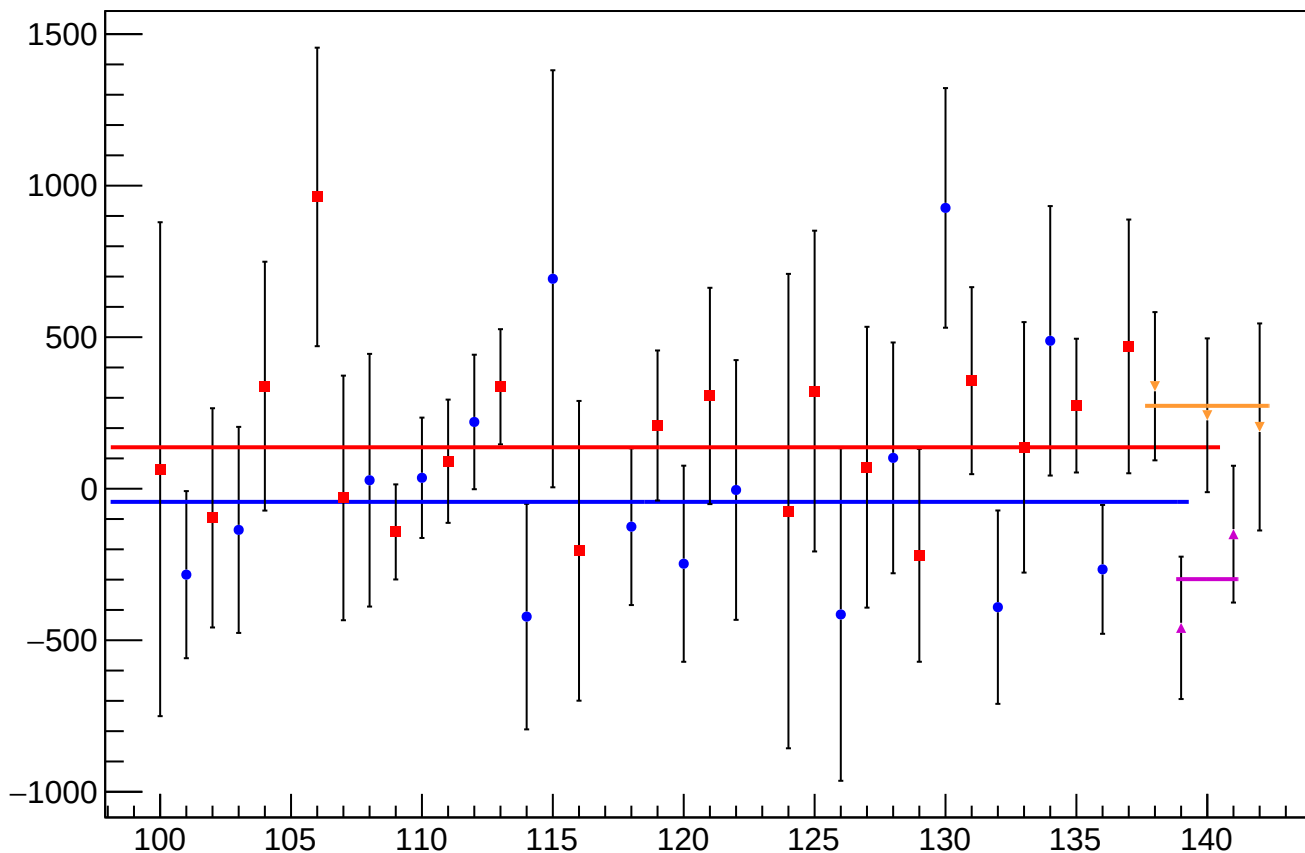
Left In: 16.369 $\pm$ 0.009 χ^2 /NDF: 235.5/1

+ sign 17.235 $\pm$ 0.004 χ^2 /NDF: 48814.4/18

All: 17.259 $\pm$ 0.003 χ^2 /NDF: 97479.4/39

- sign 17.283 $\pm$ 0.004 χ^2 /NDF: 48594.8/20

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: 273.498 ± 156.517 χ^2/NDF : 0.1/2

Right Out: 136.778 ± 69.557 χ^2/NDF : 11.5/18

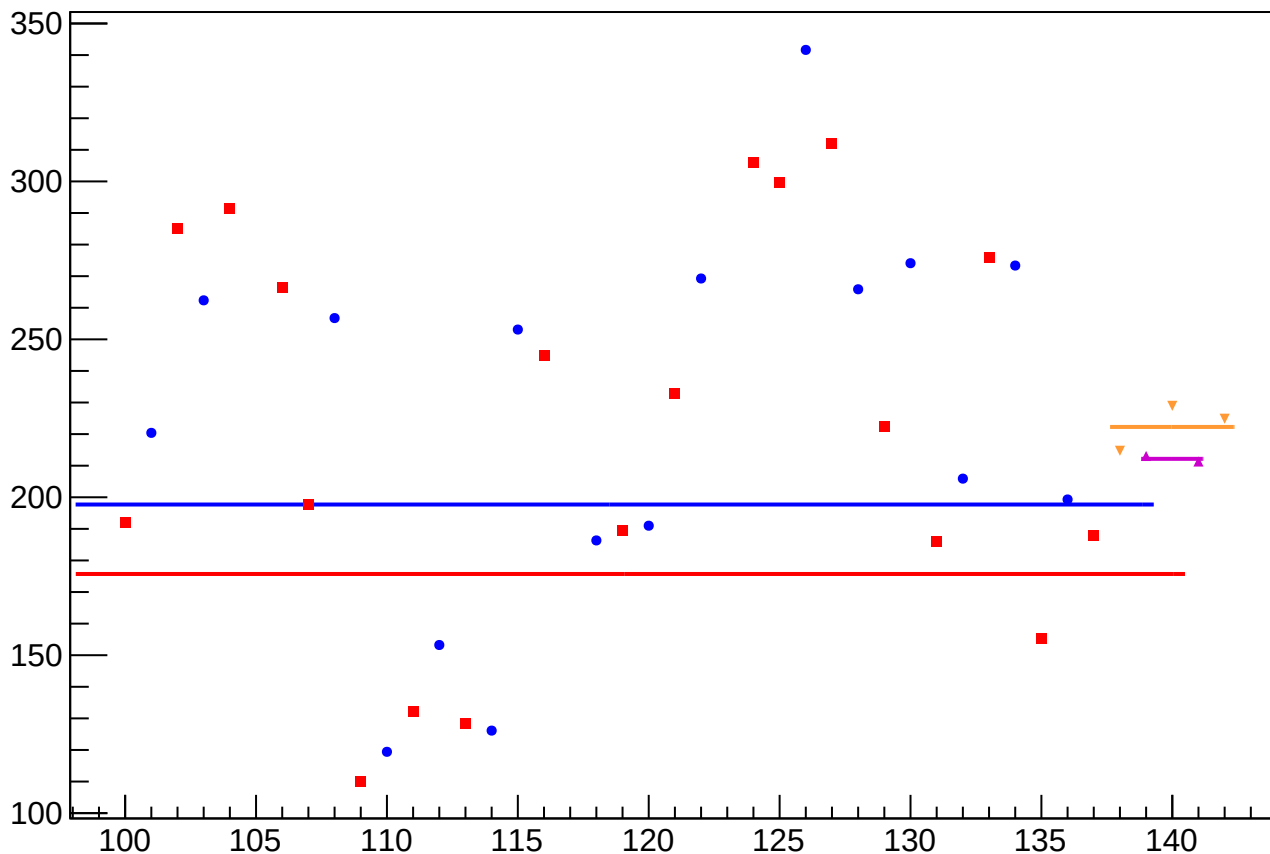
Left In: -298.354 ± 162.753 χ^2/NDF : 0.9/1

+ sign 19.119 ± 69.513 χ^2/NDF : 18.9/18

All: 46.443 ± 47.067 χ^2/NDF : 37.6/39

- sign 69.576 ± 63.960 χ^2/NDF : 18.5/20

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: 222.267 $\pm$ 0.111 χ^2 /NDF:3404.3/2

Right Out: 175.716 $\pm$ 0.049 χ^2 /NDF: 1590559.8/18

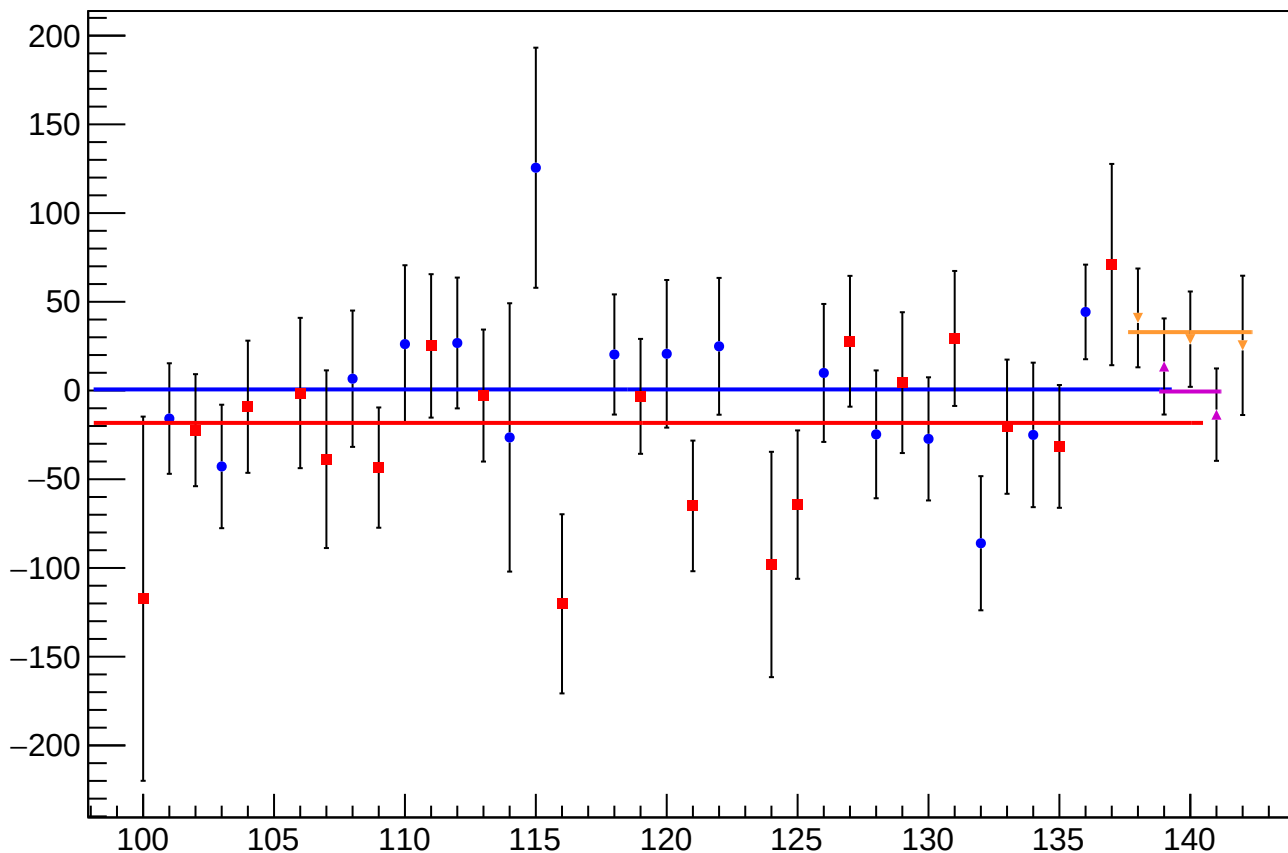
Left In: 212.169 $\pm$ 0.115 χ^2 /NDF:57.7/1

+ sign 202.551 $\pm$ 0.049 χ^2 /NDF: 1043258.3/18

All: 191.068 $\pm$ 0.033 χ^2 /NDF: 2819507.4/39

- sign 181.345 $\pm$ 0.045 χ^2 /NDF: 1675454.0/20

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.619 ± 9.421 χ^2/NDF : 16.7/15

Left Out: 32.910 ± 17.344 χ^2/NDF : 0.1/2

Right Out: -18.248 ± 9.208 χ^2/NDF : 18.0/18

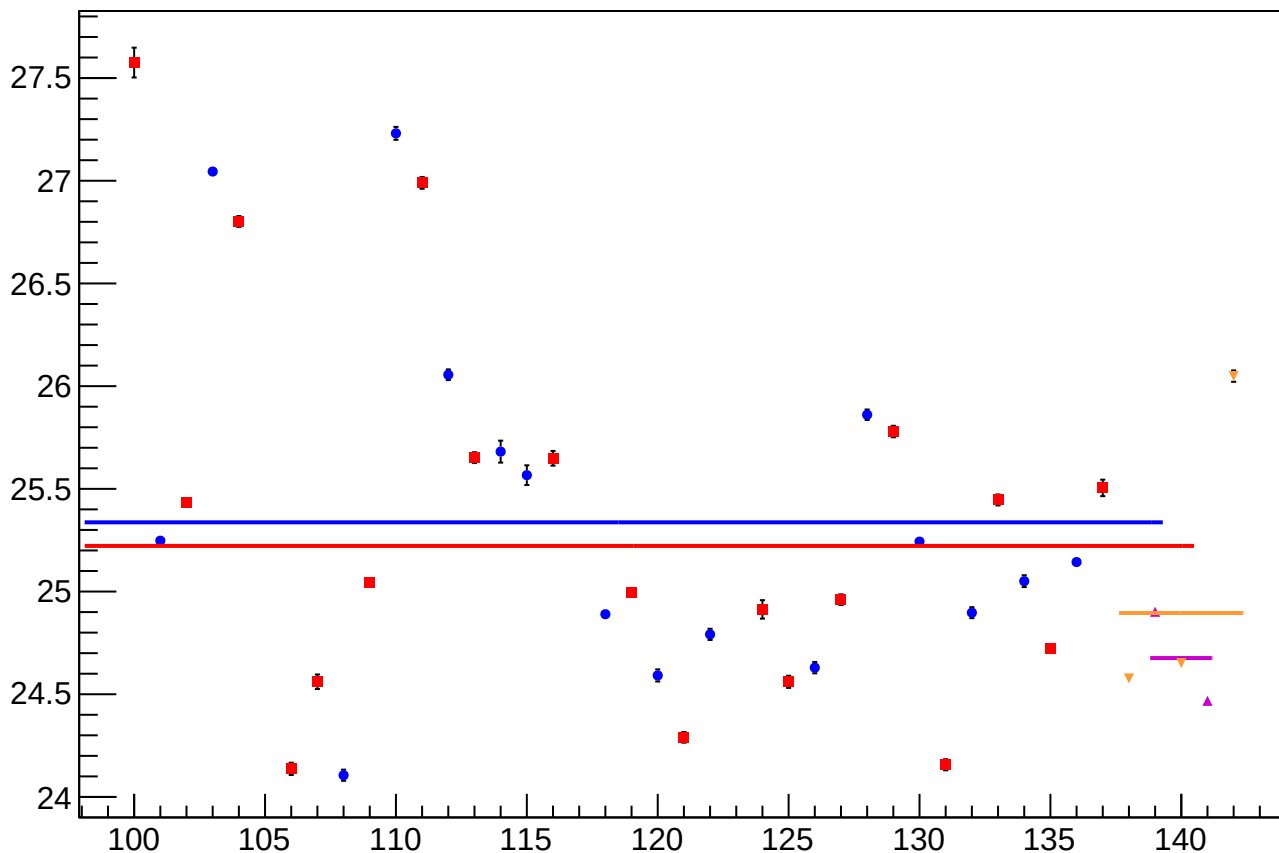
Left In: -0.557 ± 18.770 χ^2/NDF : 0.5/1

+ sign 7.976 ± 8.279 χ^2/NDF : 19.6/18

All: -3.436 ± 5.850 χ^2/NDF : 42.6/39

- sign -14.816 ± 8.267 χ^2/NDF : 19.2/20

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF : 14315.0/15

Left Out: 24.896+/-0.012 χ^2/NDF : 2153.1/2

Right Out: 25.222+/-0.007 χ^2/NDF : 15224.4/18

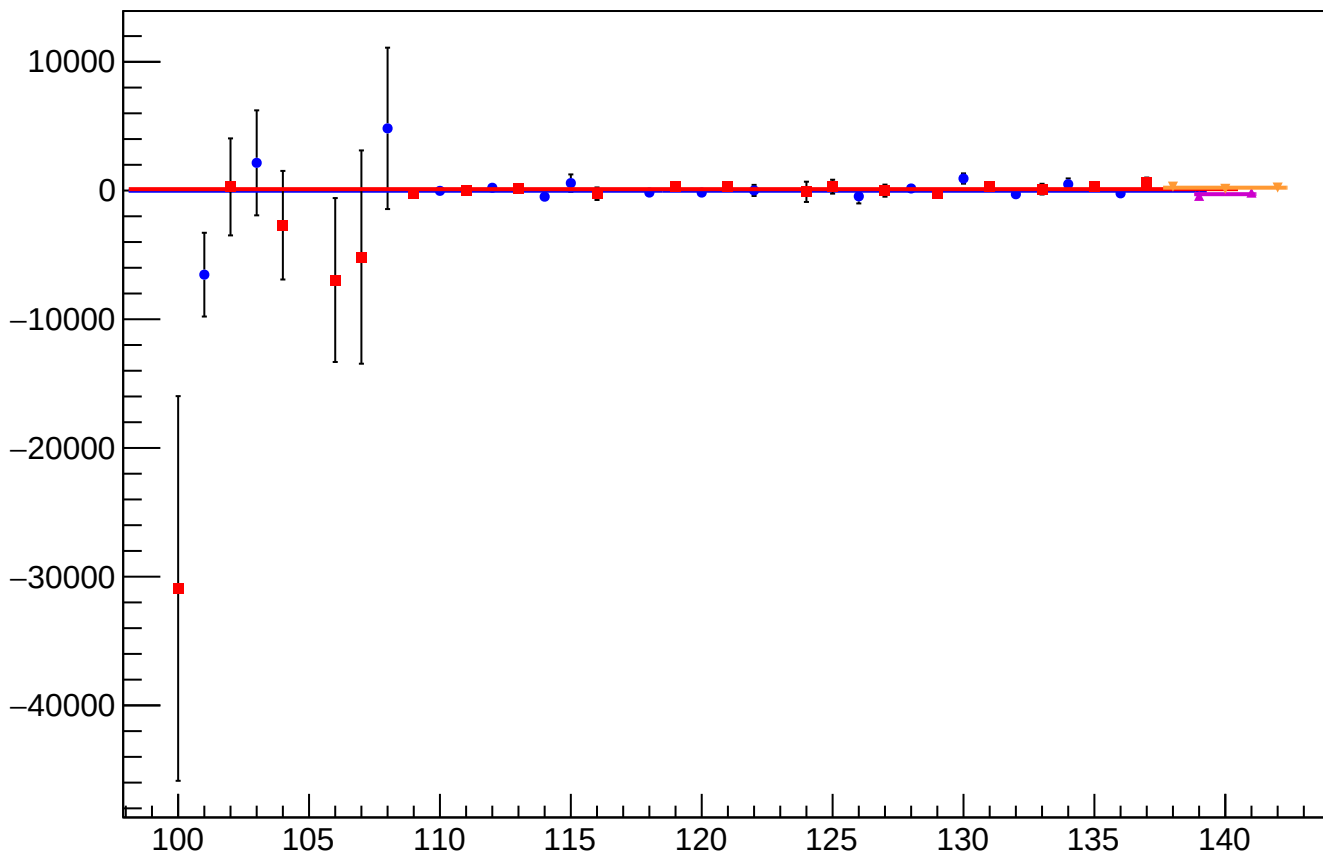
Left In: 24.676+/-0.013 χ^2/NDF : 266.3/1

+ sign 25.236+/-0.006 χ^2/NDF : 17468.6/18

All: 25.176+/-0.004 χ^2/NDF : 34533.5/39

- sign 25.116+/-0.006 χ^2/NDF : 16853.9/20

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: 222.235 ± 154.906 χ^2/NDF : 0.2/2

Right Out: 108.825 ± 78.099 χ^2/NDF : 14.0/18

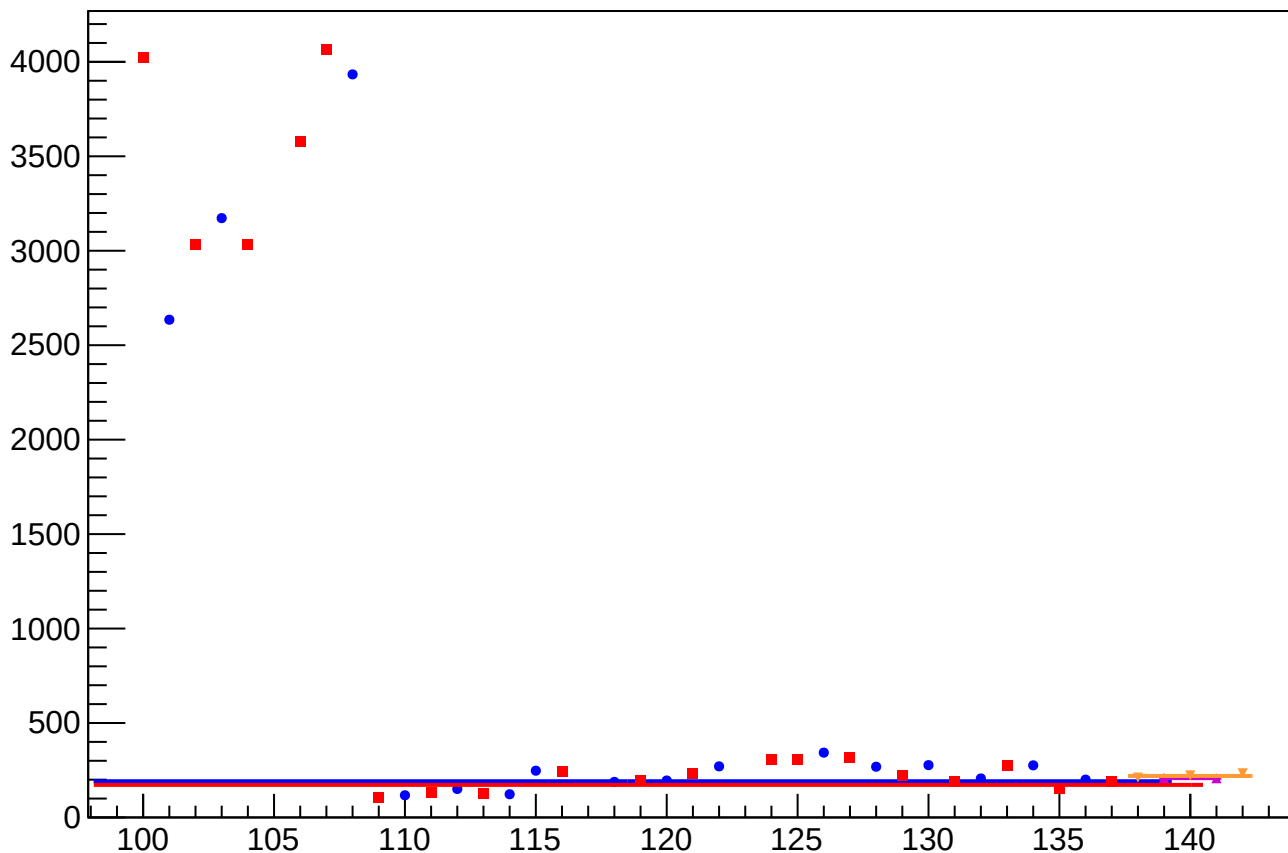
Left In: -282.019 ± 159.884 χ^2/NDF : 0.6/1

+ sign 39.256 ± 74.317 χ^2/NDF : 20.4/18

All: 36.231 ± 51.022 χ^2/NDF : 39.9/39

- sign 33.533 ± 70.174 χ^2/NDF : 19.5/20

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736 $\pm$ 0.060 χ^2 /NDF: 3821804.2/15

Left Out: 219.750 $\pm$ 0.110 χ^2 /NDF: 5968.2/2

Right Out: 172.462 $\pm$ 0.055 χ^2 /NDF: 4303129.4/18

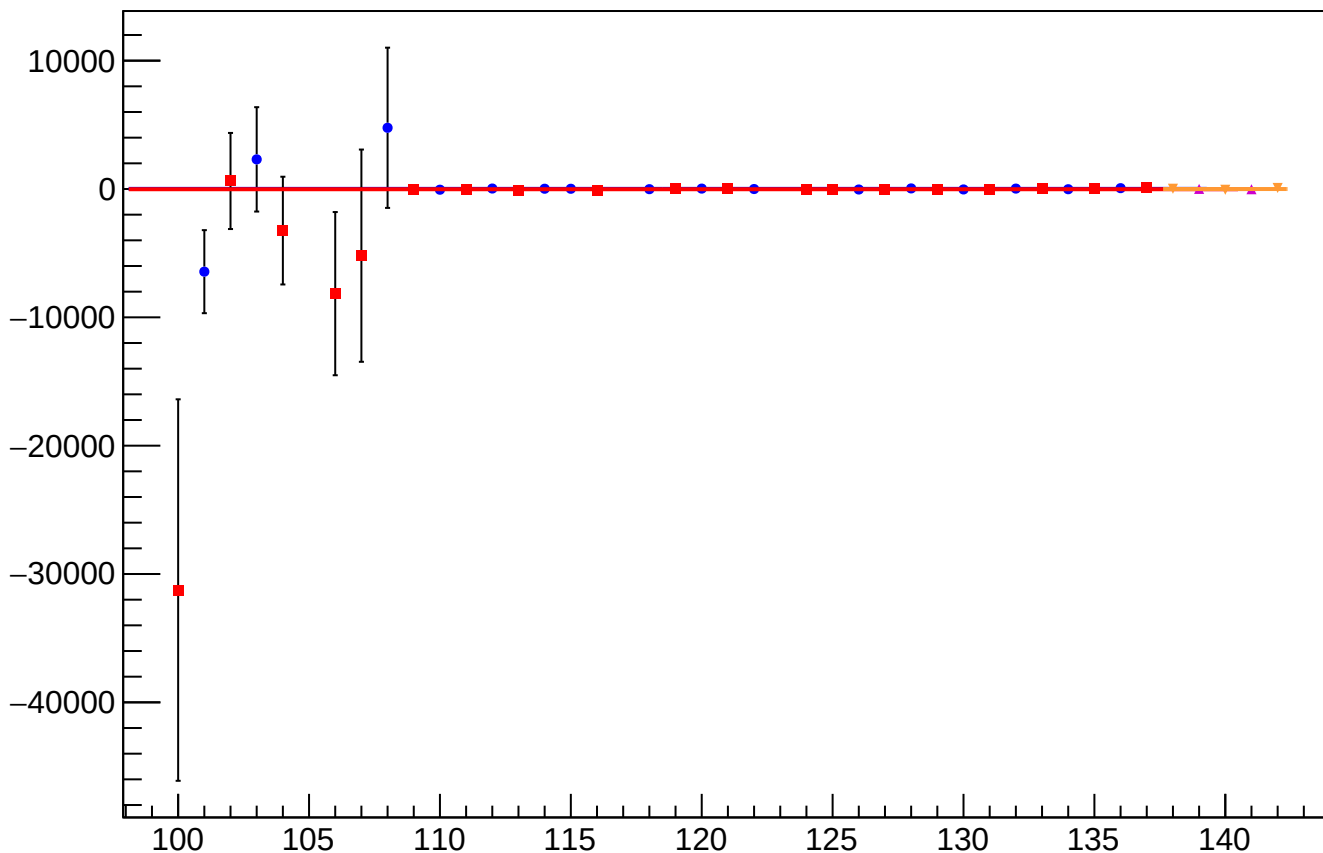
Left In: 208.243 $\pm$ 0.113 χ^2 /NDF: 37.7/1

+ sign 198.184 $\pm$ 0.053 χ^2 /NDF: 3878129.2/18

All: 188.230 $\pm$ 0.036 χ^2 /NDF: 8330033.4/39

- sign 179.355 $\pm$ 0.050 χ^2 /NDF: 4384039.1/20

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: -2.130 ± 19.915 χ^2/NDF : 7.3/2

Right Out: -18.105 ± 11.805 χ^2/NDF : 24.8/18

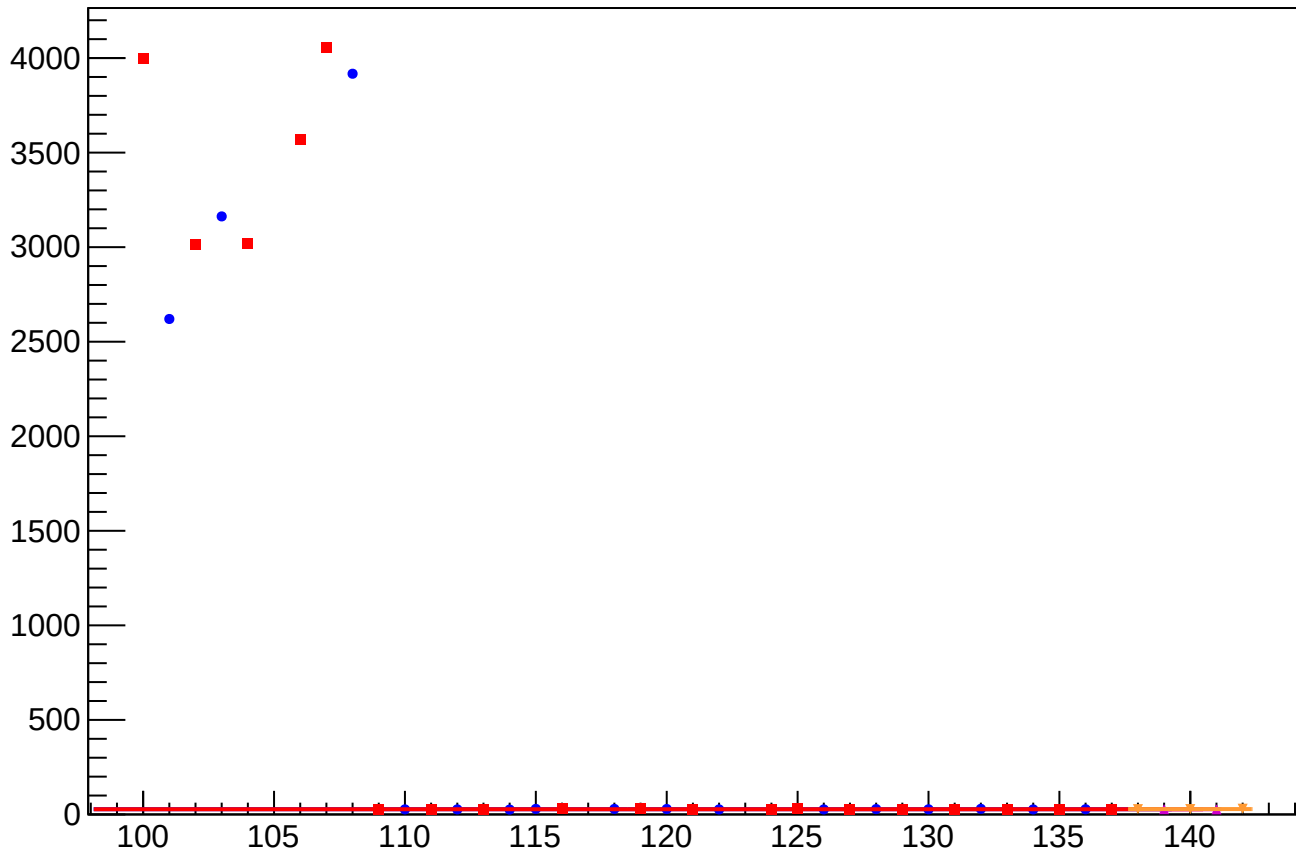
Left In: -4.630 ± 21.012 χ^2/NDF : 0.4/1

+ sign 6.578 ± 10.078 χ^2/NDF : 23.5/18

All: -3.922 ± 7.201 χ^2/NDF : 51.2/39

- sign -14.872 ± 10.292 χ^2/NDF : 25.5/20

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: 28.474 $\pm$ 0.014 χ^2 /NDF: 3492.5/2

Right Out: 27.535 $\pm$ 0.008 χ^2 /NDF: 3555229.4/18

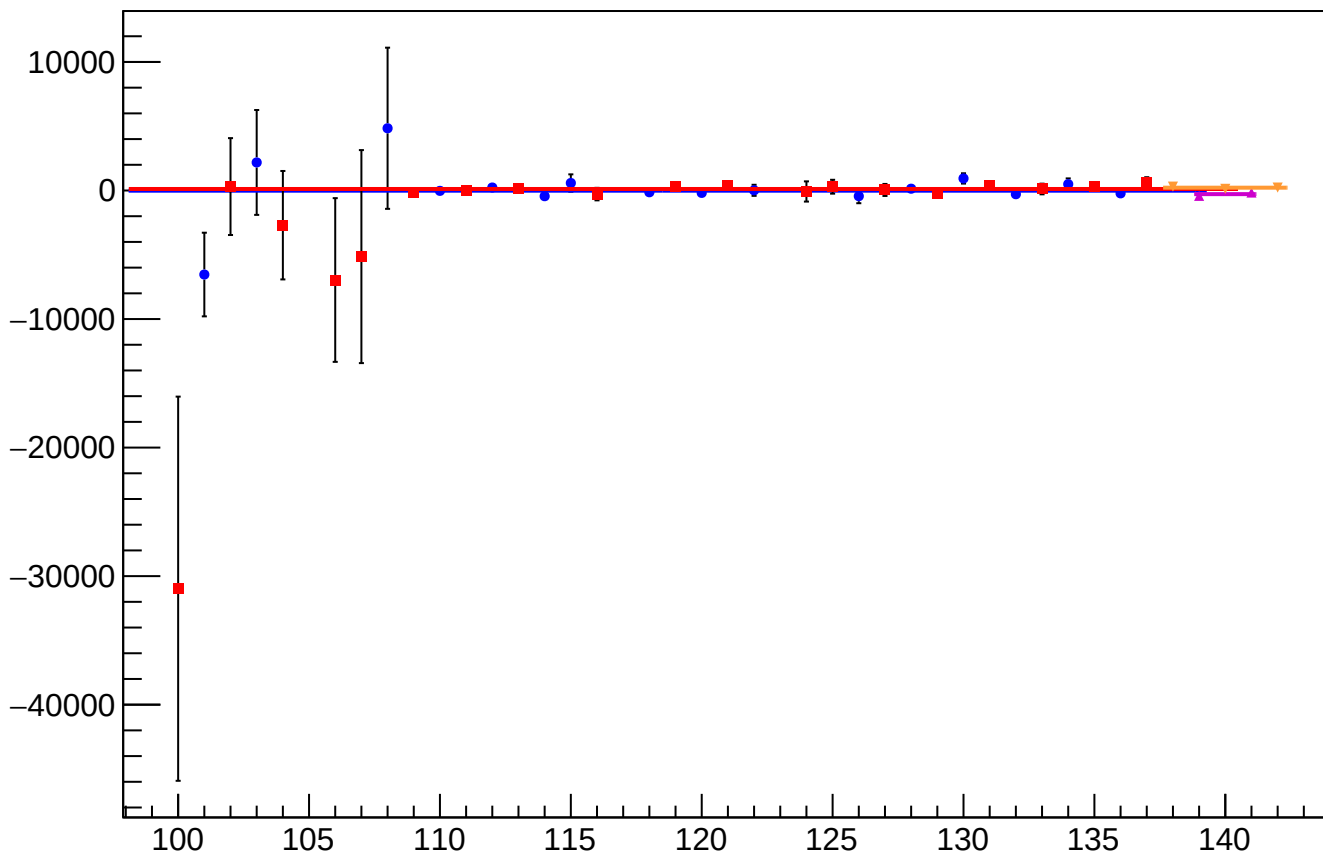
Left In: 27.574 $\pm$ 0.015 χ^2 /NDF: 722.4/1

+ sign 27.855 $\pm$ 0.007 χ^2 /NDF: 3271587.6/18

All: 27.703 $\pm$ 0.005 χ^2 /NDF: 6828475.2/39

- sign 27.544 $\pm$ 0.007 χ^2 /NDF: 3555957.0/20

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF : 18.3/15

Left Out: 219.281+/-154.523 χ^2/NDF : 0.3/2

Right Out: 118.063+/-77.862 χ^2/NDF : 14.4/18

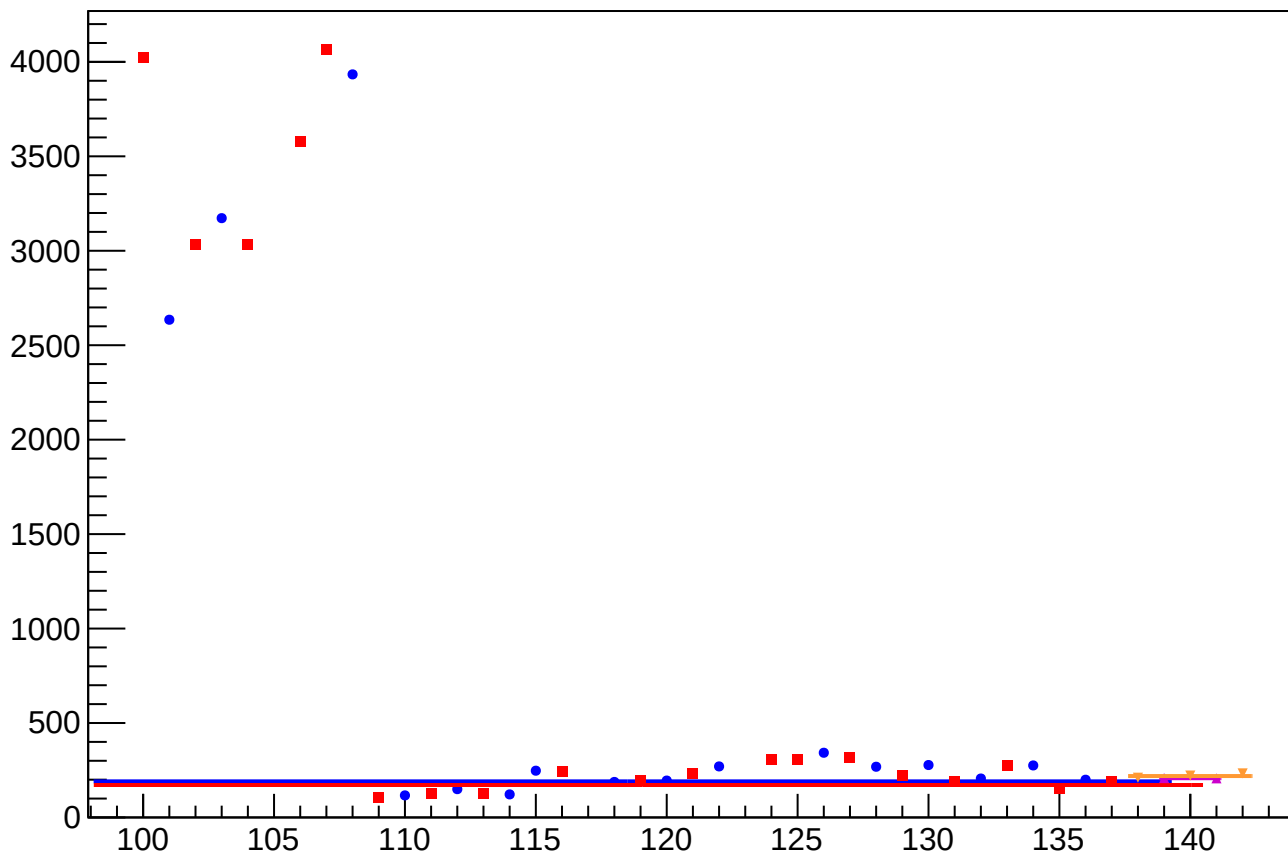
Left In: -282.328+/-159.537 χ^2/NDF : 0.7/1

+ sign 40.303+/-74.108 χ^2/NDF : 20.3/18

All: 40.692+/-50.878 χ^2/NDF : 40.5/39

- sign 41.039+/-69.973 χ^2/NDF : 20.2/20

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: 219.203 $\pm$ 0.109 χ^2 /NDF: 6074.1/2

Right Out: 171.835 $\pm$ 0.055 χ^2 /NDF: 4314721.8/18

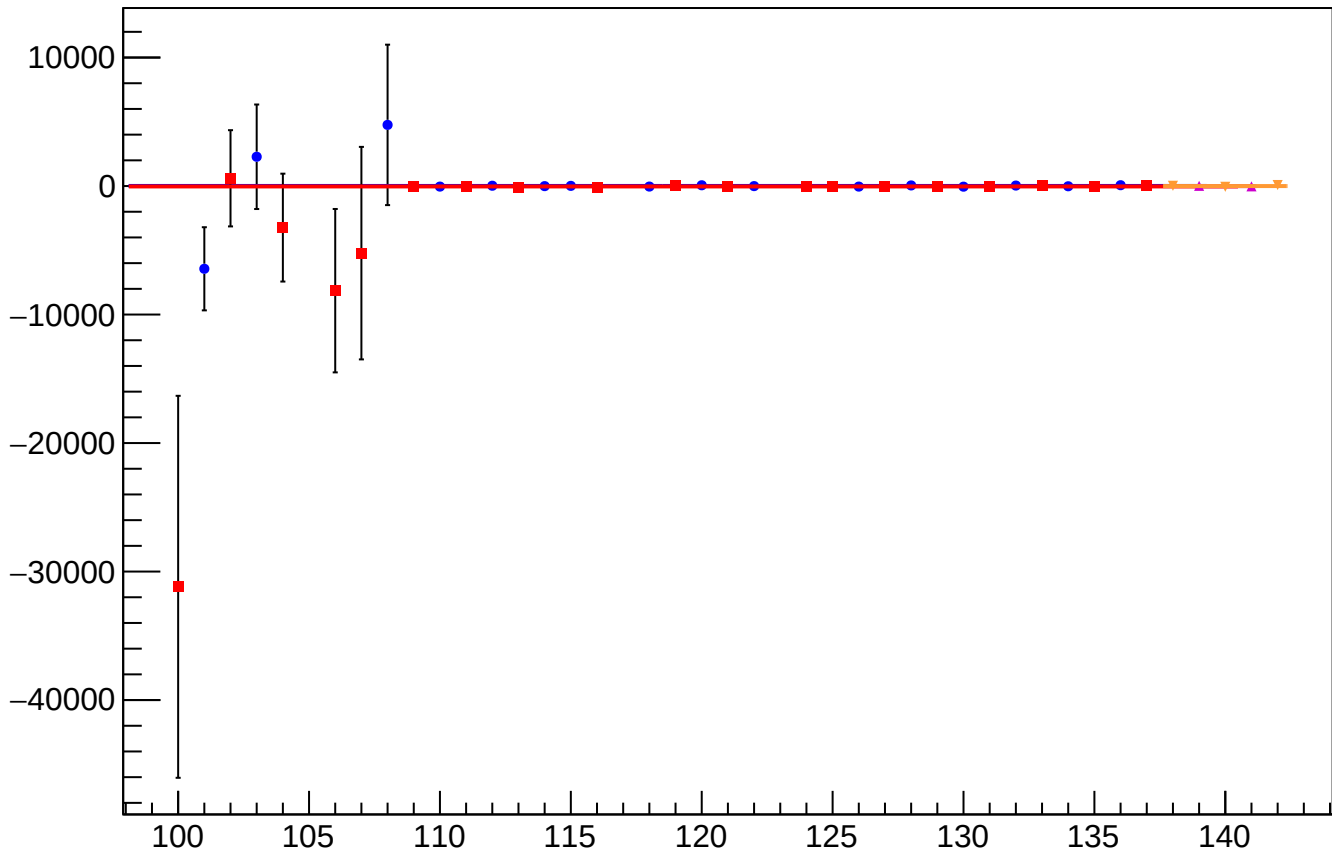
Left In: 207.790 $\pm$ 0.113 χ^2 /NDF: 34.7/1

+ sign 197.541 $\pm$ 0.052 χ^2 /NDF: 3891074.8/18

All: 187.608 $\pm$ 0.036 χ^2 /NDF: 8355840.2/39

- sign 178.752 $\pm$ 0.049 χ^2 /NDF: 4396799.8/20

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: -2.113 $\pm$ 20.013 χ^2 /NDF: 7.0/2

Right Out: -30.962 $\pm$ 11.902 χ^2 /NDF: 19.9/18

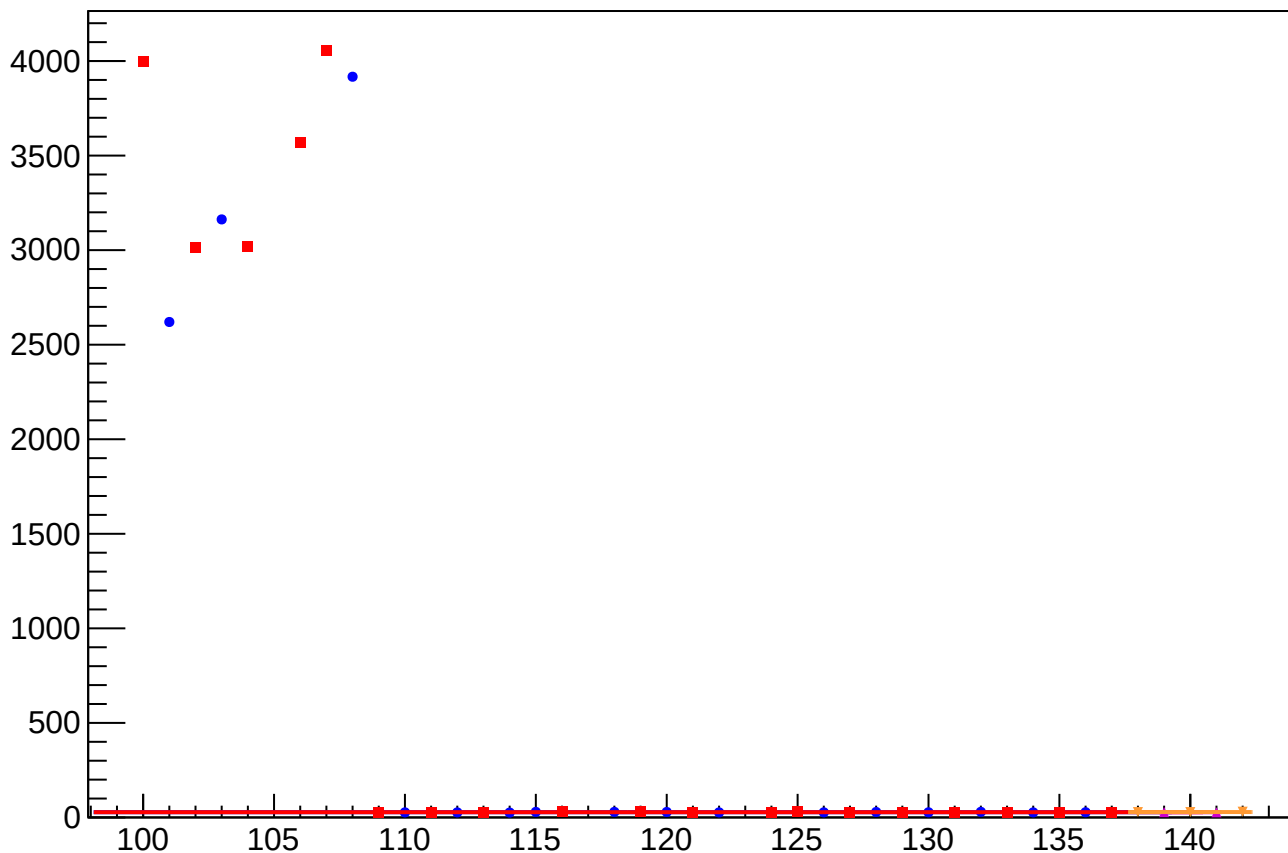
Left In: -5.222 $\pm$ 21.079 χ^2 /NDF: 0.9/1

+ sign 4.281 $\pm$ 10.142 χ^2 /NDF: 25.4/18

All: -9.915 $\pm$ 7.248 χ^2 /NDF: 51.3/39

- sign -24.740 $\pm$ 10.364 χ^2 /NDF: 21.9/20

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF : 3265895.3/15

Left Out: 28.616+/-0.014 χ^2/NDF : 3175.1/2

Right Out: 27.754+/-0.008 χ^2/NDF : 3558676.9/18

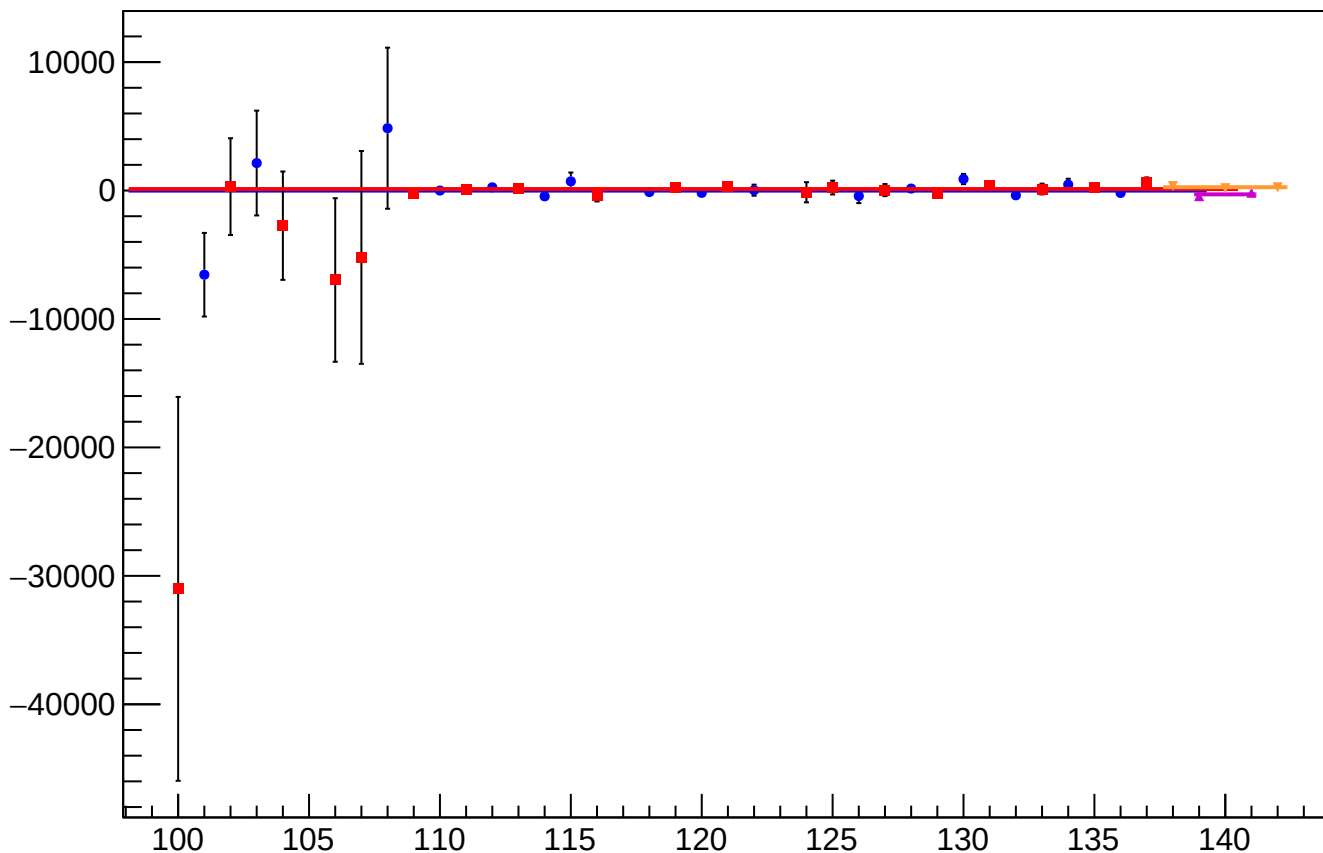
Left In: 27.662+/-0.015 χ^2/NDF : 913.0/1

+ sign 28.028+/-0.007 χ^2/NDF : 3271393.3/18

All: 27.883+/-0.005 χ^2/NDF : 6831849.1/39

- sign 27.731+/-0.007 χ^2/NDF : 3559618.6/20

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: 258.724 ± 156.798 χ^2/NDF : 0.2/2

Right Out: 115.753 ± 78.952 χ^2/NDF : 13.8/18

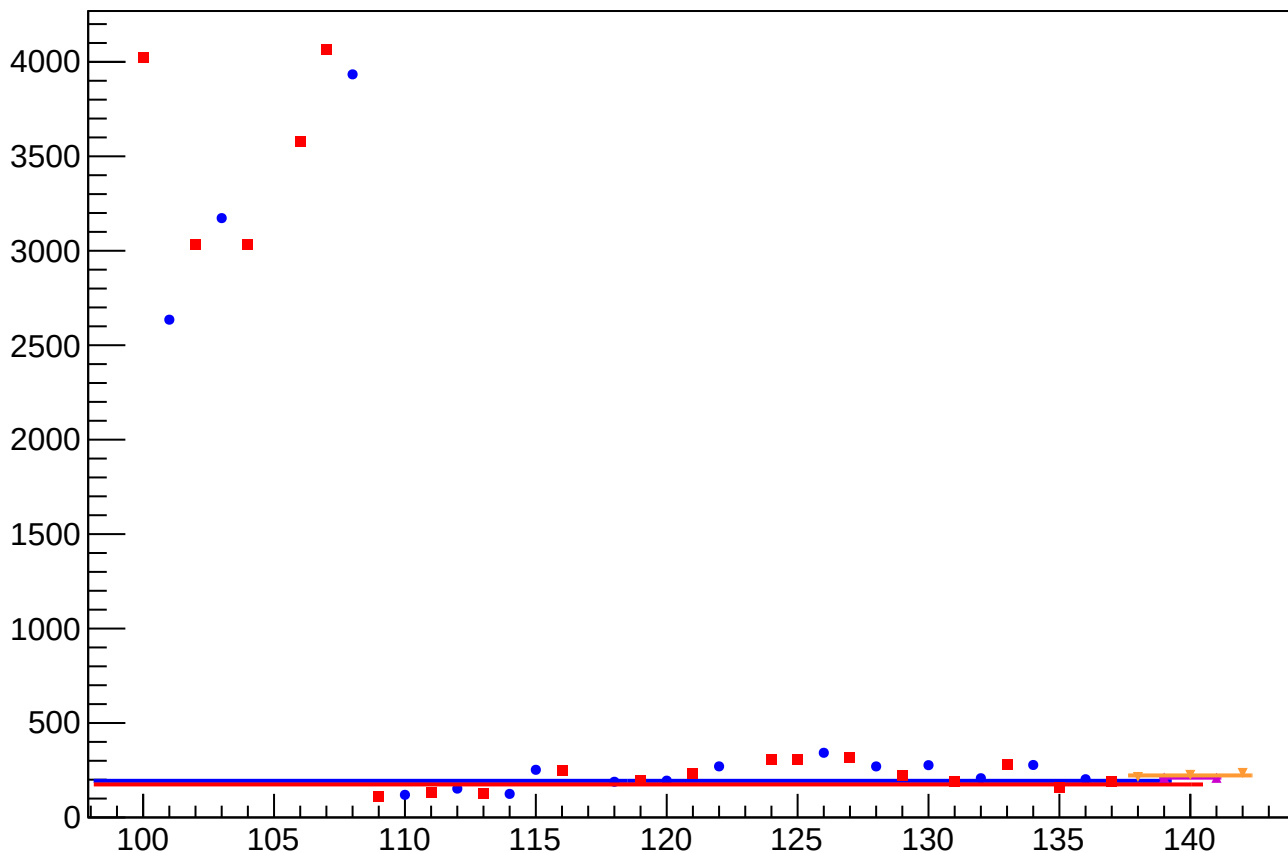
Left In: -296.721 ± 161.722 χ^2/NDF : 0.7/1

+ sign 57.151 ± 75.071 χ^2/NDF : 20.6/18

All: 46.172 ± 51.564 χ^2/NDF : 40.4/39

- sign 36.365 ± 70.949 χ^2/NDF : 19.7/20

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: 222.478 $\pm$ 0.111 χ^2 /NDF: 5310.9/2

Right Out: 174.779 $\pm$ 0.056 χ^2 /NDF: 4259323.6/18

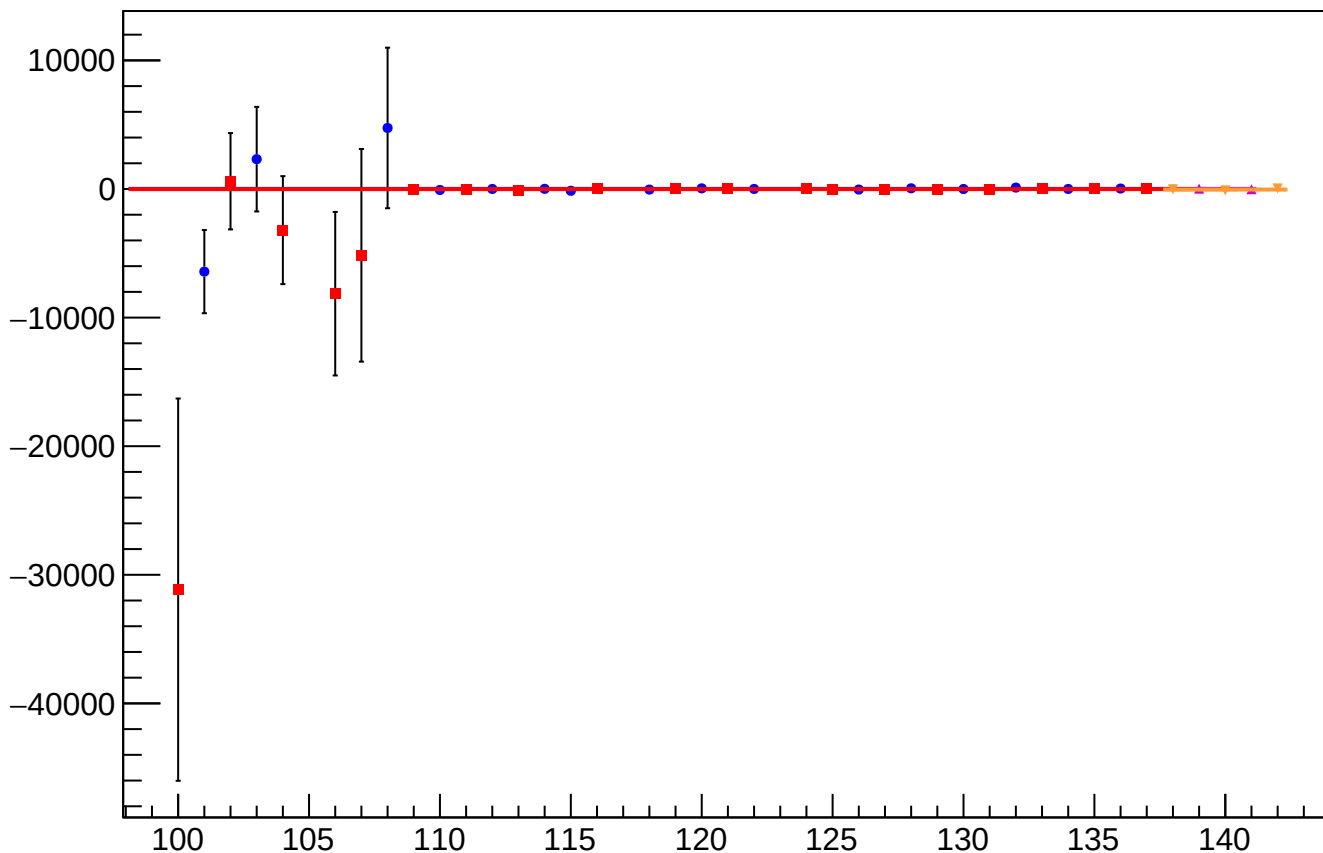
Left In: 210.667 $\pm$ 0.114 χ^2 /NDF: 38.8/1

+ sign 200.486 $\pm$ 0.053 χ^2 /NDF: 3840819.8/18

All: 190.556 $\pm$ 0.036 χ^2 /NDF: 8245966.3/39

- sign 181.687 $\pm$ 0.050 χ^2 /NDF: 4338894.8/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660 ± 14.306 χ^2/NDF : 17.5/15

Left Out: -44.597 ± 24.138 χ^2/NDF : 5.7/2

Right Out: -10.003 ± 14.433 χ^2/NDF : 23.4/18

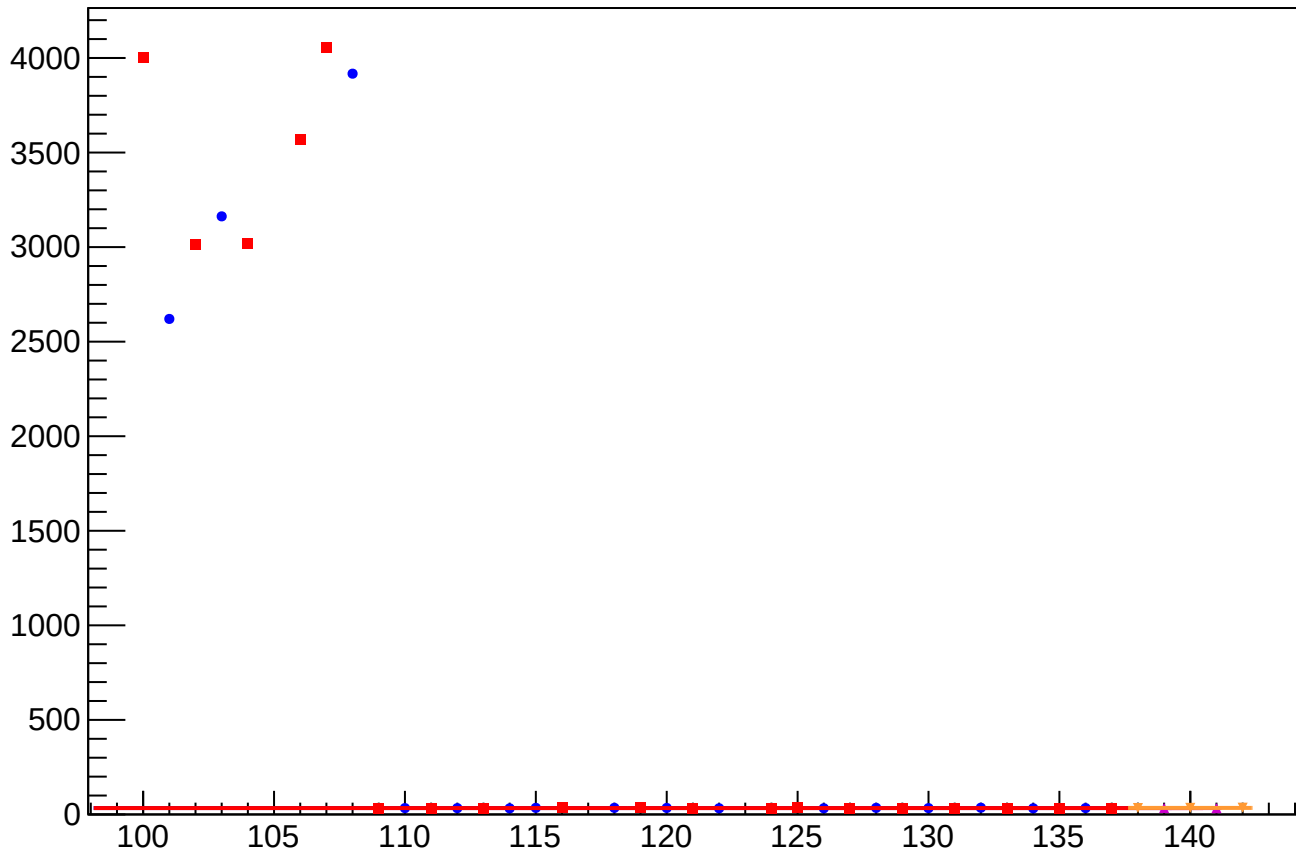
Left In: 6.341 ± 25.719 χ^2/NDF : 0.8/1

+ sign -7.403 ± 12.307 χ^2/NDF : 26.4/18

All: -6.761 ± 8.799 χ^2/NDF : 50.9/39

- sign -6.089 ± 12.586 χ^2/NDF : 24.5/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF : 3244382.4/15

Left Out: 34.570+/-0.017 χ^2/NDF : 1408.8/2

Right Out: 33.726+/-0.010 χ^2/NDF : 3526463.8/18

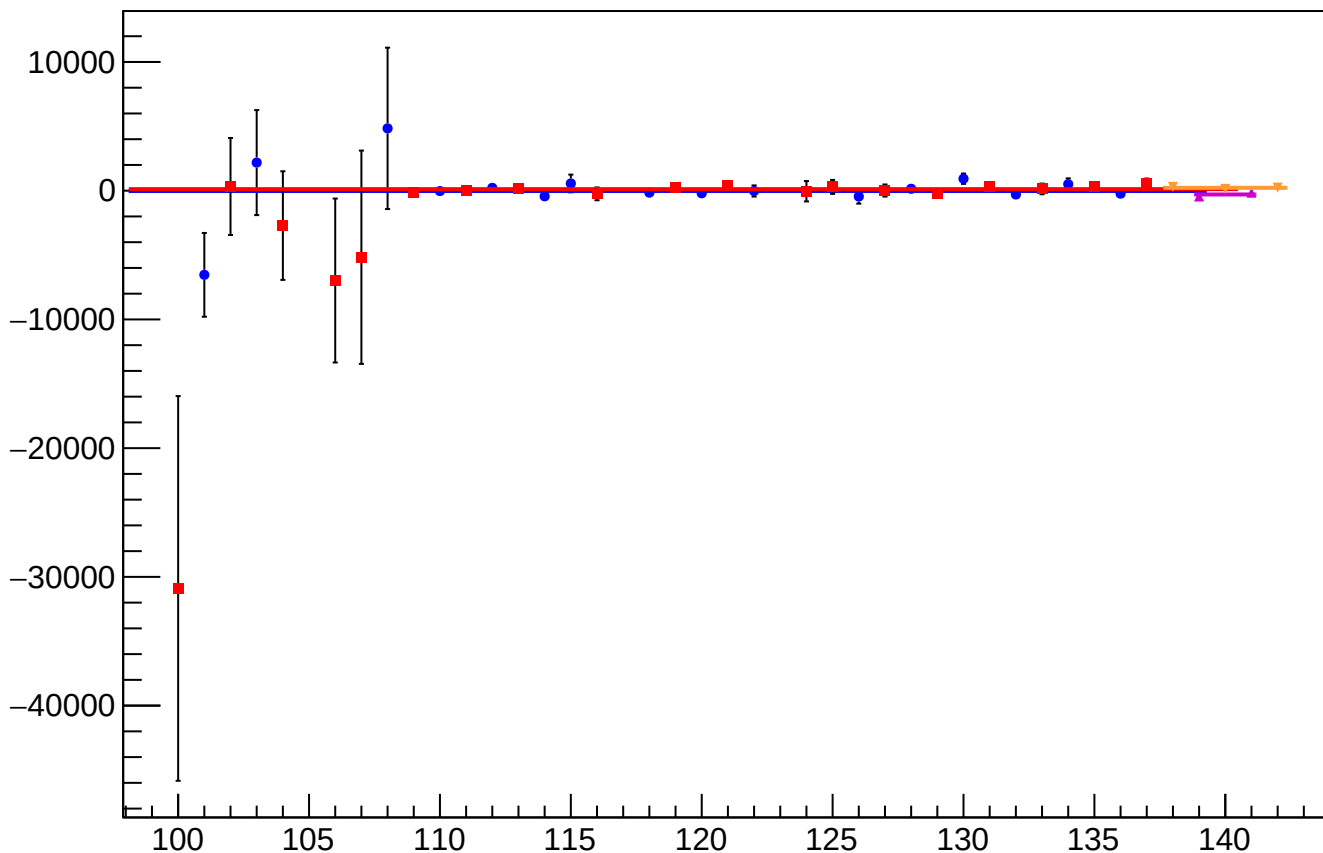
Left In: 33.785+/-0.018 χ^2/NDF : 318.8/1

+ sign 34.074+/-0.009 χ^2/NDF : 3246932.3/18

All: 33.911+/-0.006 χ^2/NDF : 6774440.6/39

- sign 33.740+/-0.009 χ^2/NDF : 3526790.6/20

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: 223.408 ± 155.322 χ^2/NDF : 0.2/2

Right Out: 119.922 ± 78.455 χ^2/NDF : 13.3/18

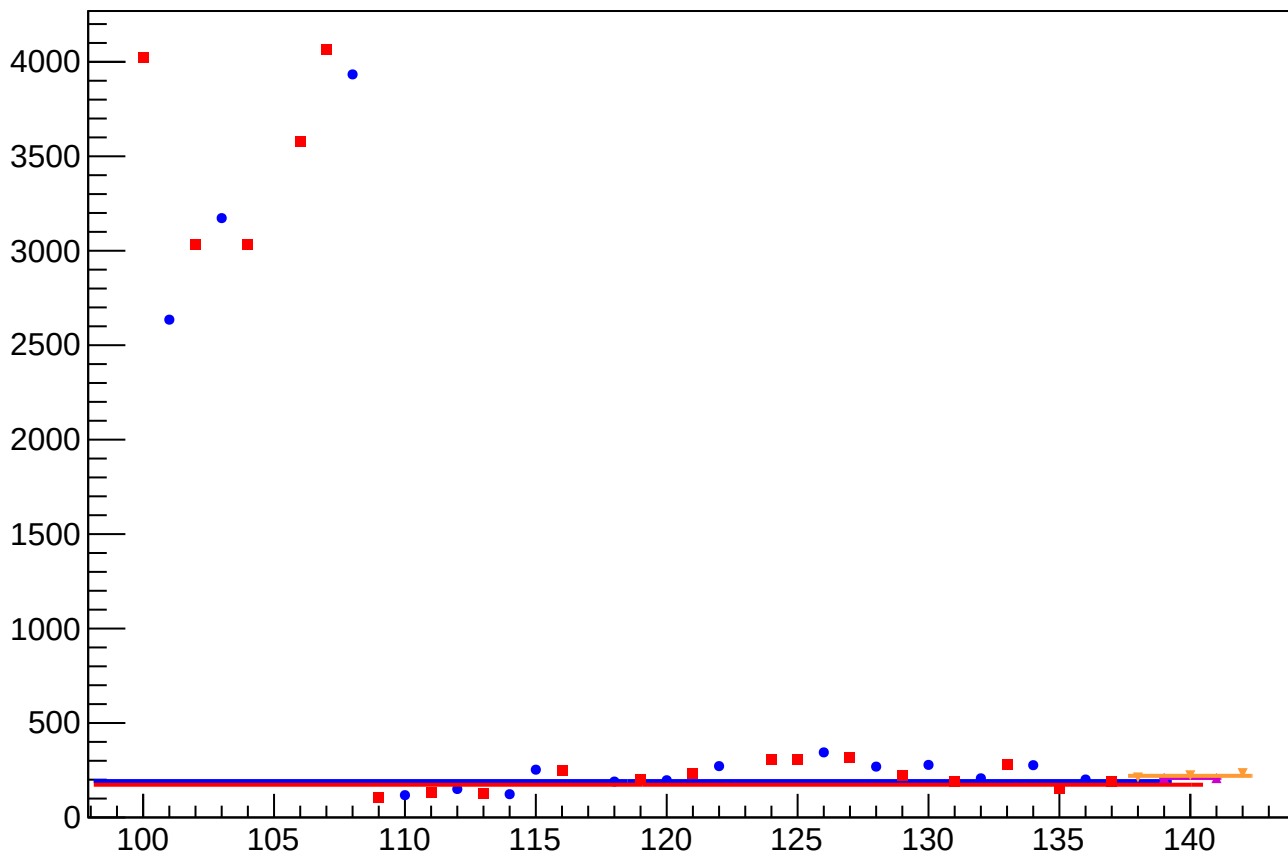
Left In: -293.298 ± 160.466 χ^2/NDF : 0.8/1

+ sign 36.528 ± 74.607 χ^2/NDF : 20.3/18

All: 38.469 ± 51.235 χ^2/NDF : 39.8/39

- sign 40.201 ± 70.482 χ^2/NDF : 19.5/20

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: 220.339 $\pm$ 0.110 χ^2 /NDF: 6082.2/2

Right Out: 173.249 $\pm$ 0.055 χ^2 /NDF: 4307420.2/18

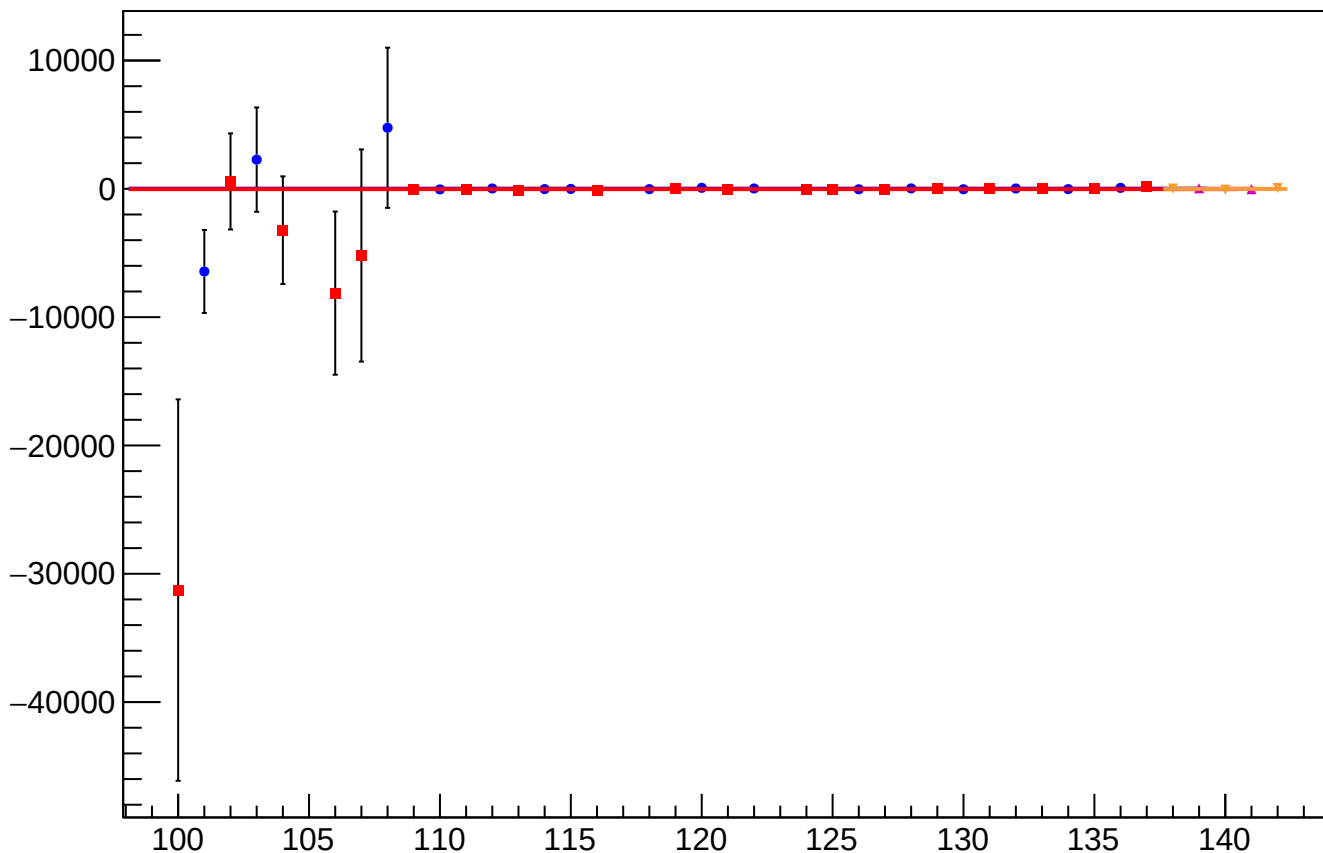
Left In: 209.007 $\pm$ 0.113 χ^2 /NDF: 27.7/1

+ sign 198.969 $\pm$ 0.053 χ^2 /NDF: 3878085.5/18

All: 189.024 $\pm$ 0.036 χ^2 /NDF: 8332949.8/39

- sign 180.148 $\pm$ 0.050 χ^2 /NDF: 4387603.0/20

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: -6.849+/-21.840 χ^2/NDF : 5.9/2

Right Out: -23.230+/-13.181 χ^2/NDF : 28.7/18

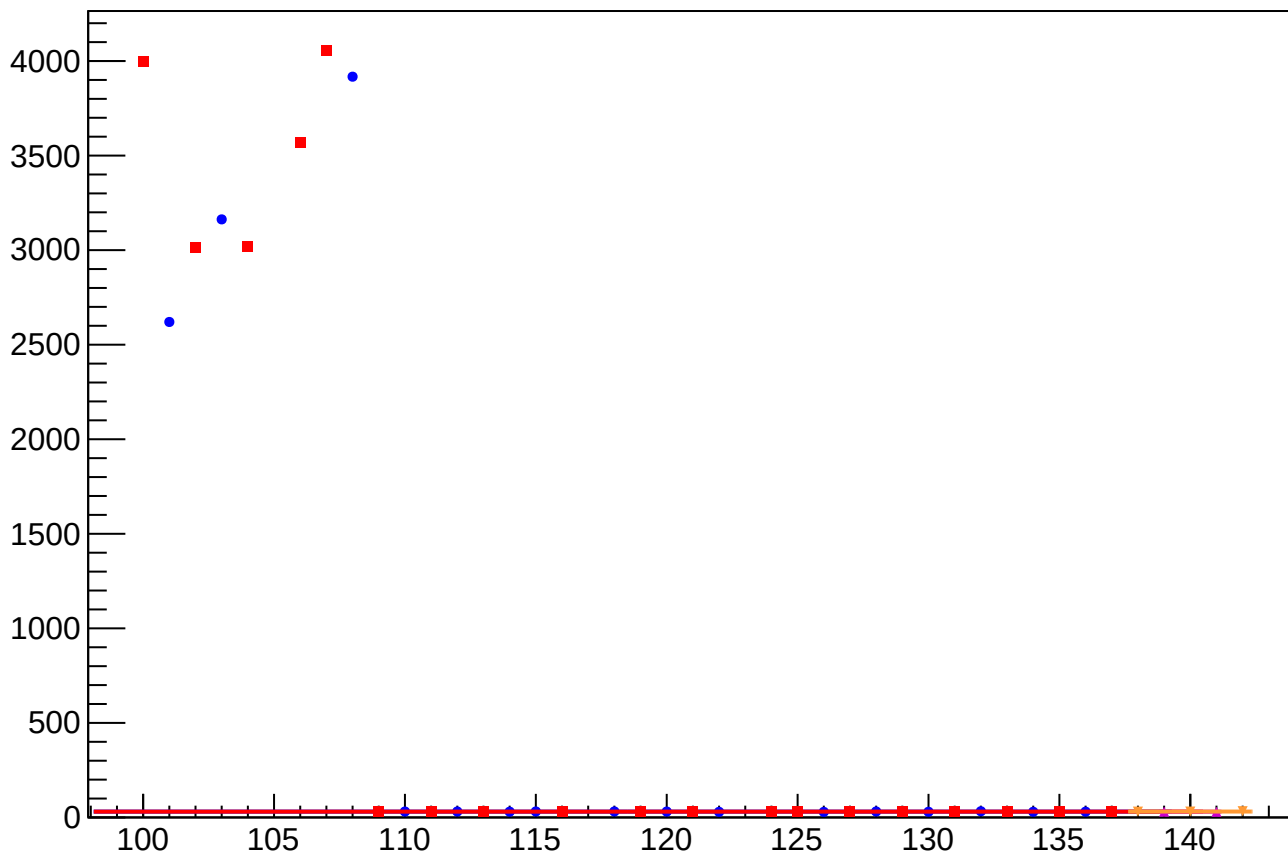
Left In: 4.885+/-23.139 χ^2/NDF : 2.1/1

+ sign 8.296+/-11.210 χ^2/NDF : 22.0/18

All: -3.759+/-8.011 χ^2/NDF : 56.3/39

- sign -16.342+/-11.453 χ^2/NDF : 31.9/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF : 3252607.8/15

Left Out: 31.252+/-0.015 χ^2/NDF : 2956.8/2

Right Out: 30.777+/-0.009 χ^2/NDF : 3536234.6/18

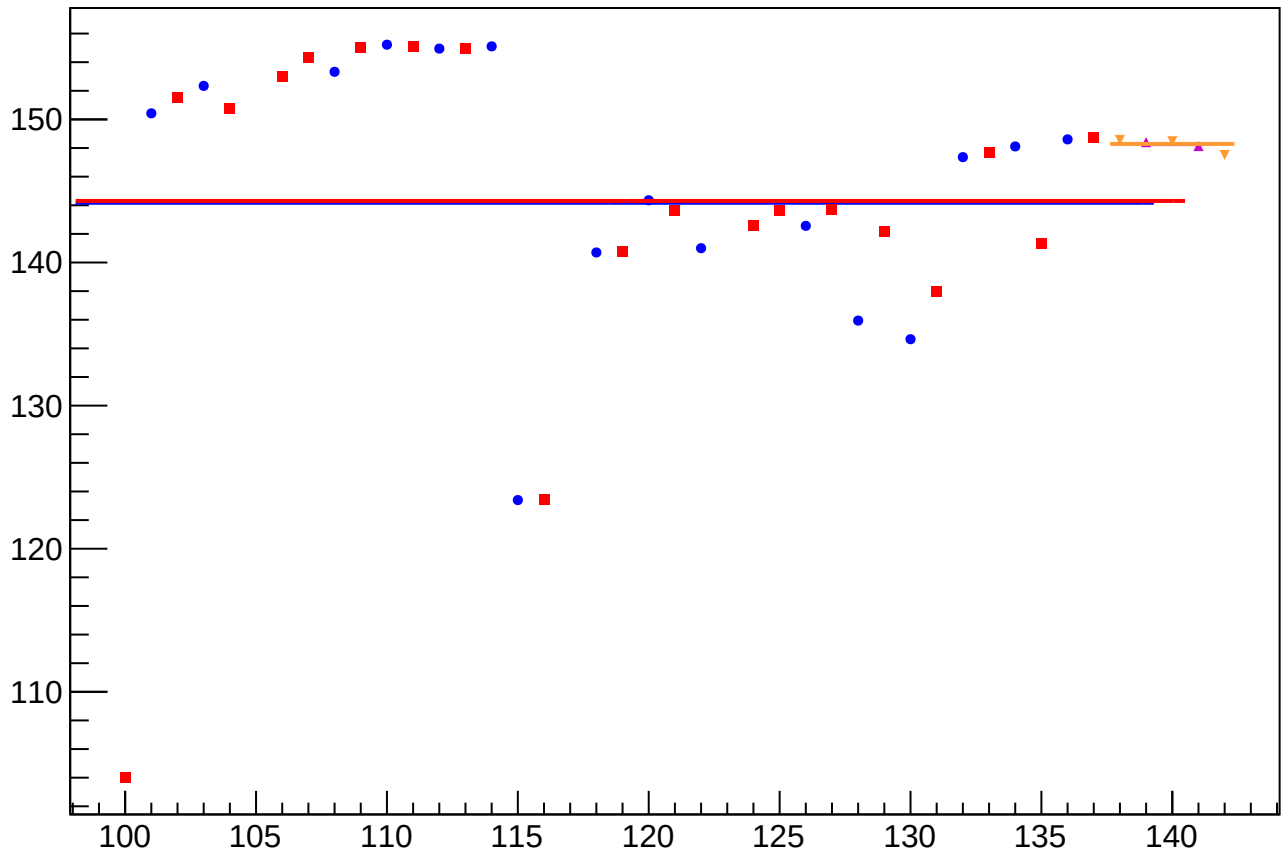
Left In: 30.386+/-0.016 χ^2/NDF : 488.1/1

+ sign 31.014+/-0.008 χ^2/NDF : 3255888.1/18

All: 30.851+/-0.006 χ^2/NDF : 6793902.0/39

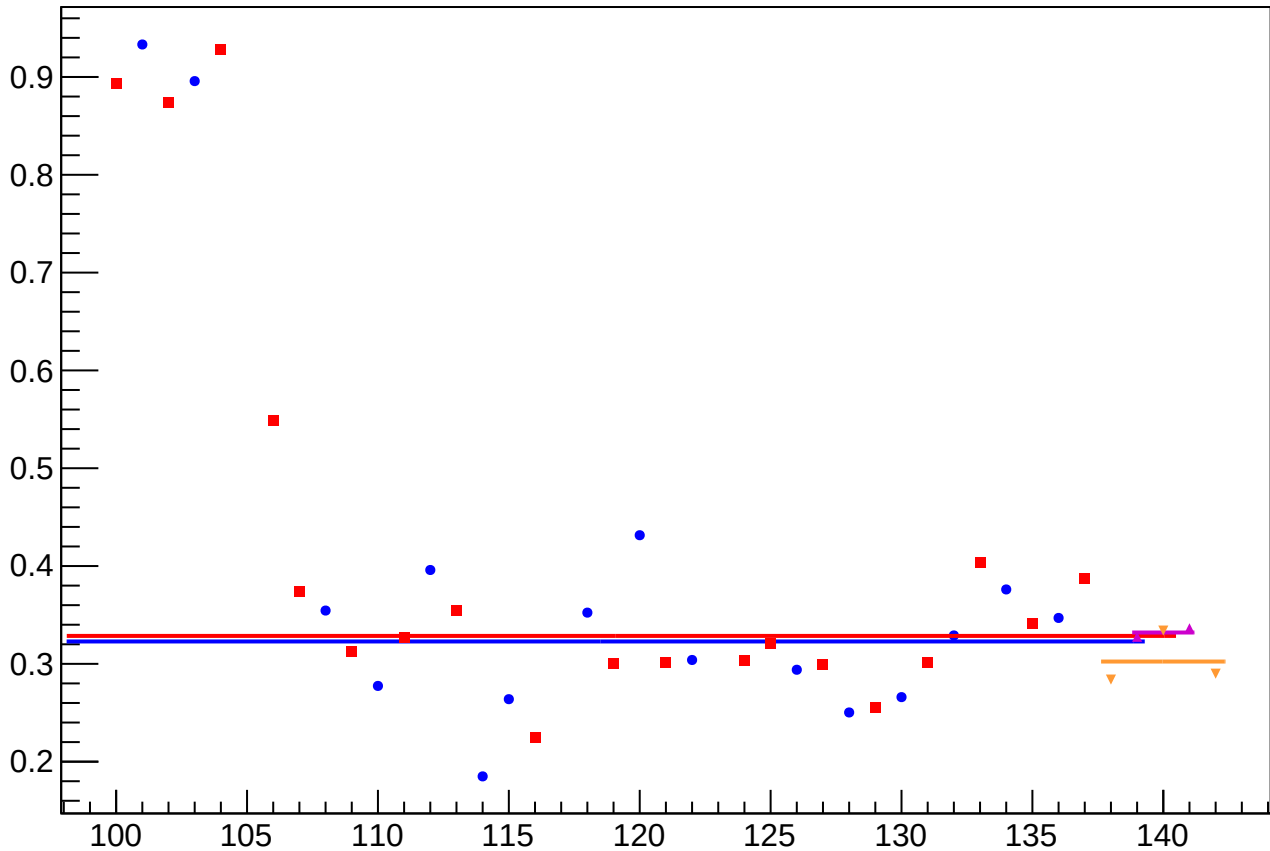
- sign 30.681+/-0.008 χ^2/NDF : 3537153.4/20

yield_bcm_target_mean vs Slug



Right In: 144.176 $\pm$ 0.000 χ^2 /NDF: 3724747268.7/15
 Left Out: 148.288 $\pm$ 0.000 χ^2 /NDF: 4034772.6/2
 Right Out: 144.304 $\pm$ 0.000 χ^2 /NDF: 4264494940.7/18
 Left In: 148.275 $\pm$ 0.000 χ^2 /NDF: 278038.9/1
 + sign 145.313 $\pm$ 0.000 χ^2 /NDF: 3995623873.8/18
 All: 145.233 $\pm$ 0.000 χ^2 /NDF: 8449805935.1
 - sign 145.144 $\pm$ 0.000 χ^2 /NDF: 4453113809.2/20

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF : 1396024.1/15

Left Out: 0.302+/-0.000 χ^2/NDF : 22741.0/2

Right Out: 0.329+/-0.000 χ^2/NDF : 1304148.7/18

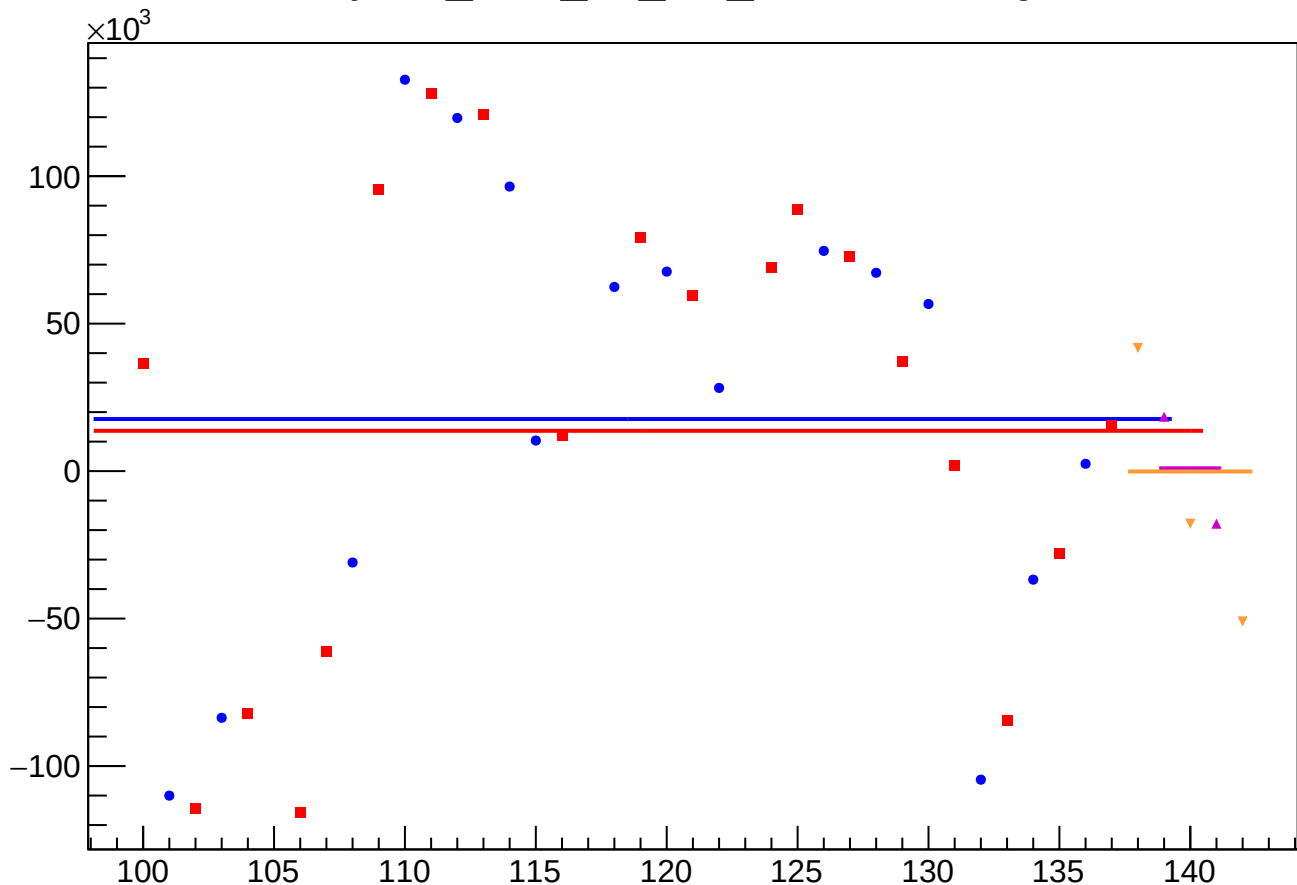
Left In: 0.332+/-0.000 χ^2/NDF : 575.0/1

+ sign 0.317+/-0.000 χ^2/NDF : 1432070.0/18

All: 0.323+/-0.000 χ^2/NDF : 2748055.8/39

- sign 0.329+/-0.000 χ^2/NDF : 1305012.0/20

yield_bcm_an_diff_mean vs Slug



Right In: 17663.790 $\pm$ 2.006 χ^2 /NDF: 1398738701.8/15

Left Out: -134.347 $\pm$ 3.476 χ^2 /NDF:118025127.5/2

Right Out: 13666.312 $\pm$ 1.925 χ^2 /NDF: 1856962869.6/18

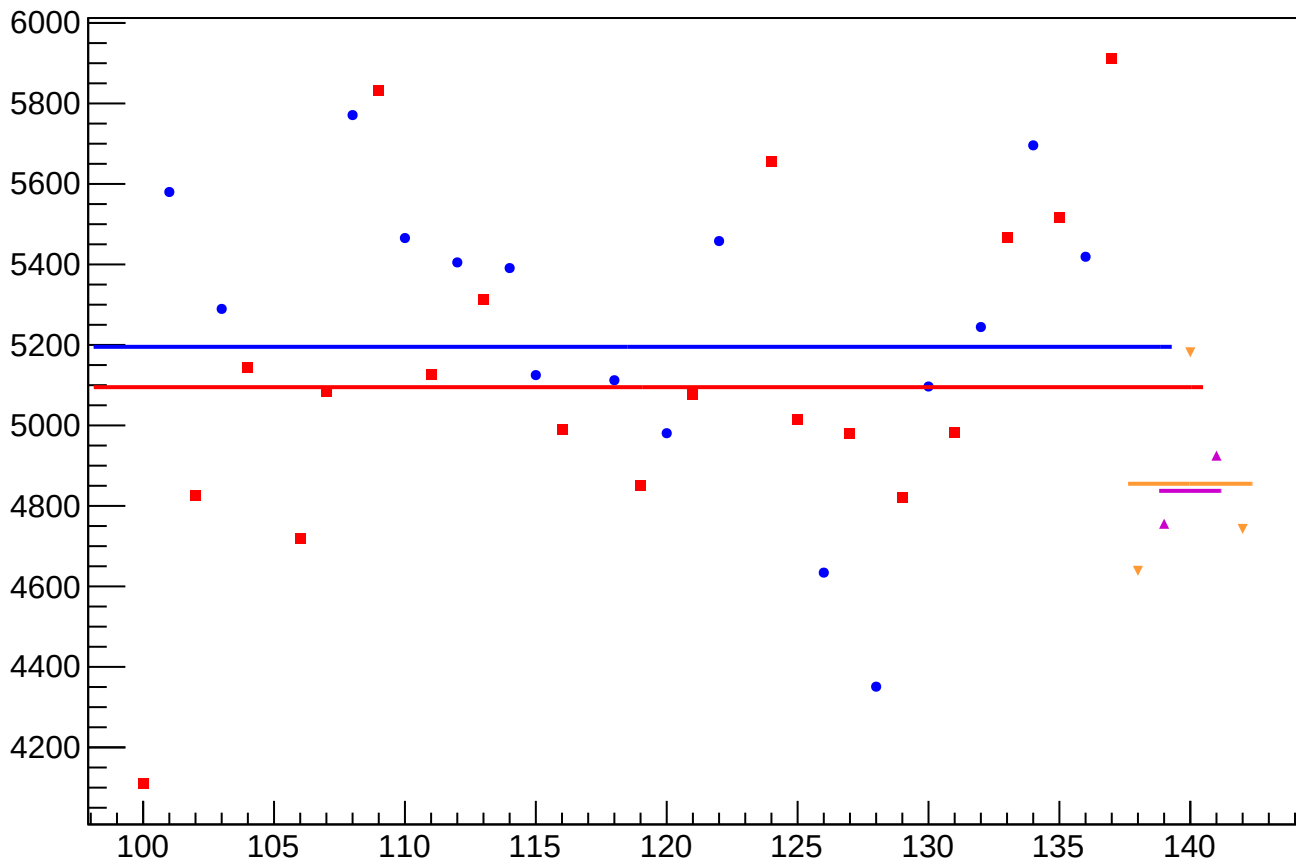
Left In: 942.558 $\pm$ 3.821 χ^2 /NDF:22491248.6/1

+ sign 13219.327 $\pm$ 1.737 χ^2 /NDF: 1536430803.8/1

All: 12143.845 $\pm$ 1.222 χ^2 /NDF: 3425488232

- sign 11090.640 $\pm$ 1.719 χ^2 /NDF: 1888298795.1/2

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298 $\pm$ 1.418 χ^2/NDF : 77166.0/15

Left Out: 4855.052 $\pm$ 2.458 χ^2/NDF : 10008.3/2

Right Out: 5095.047 $\pm$ 1.361 χ^2/NDF : 59112.0/18

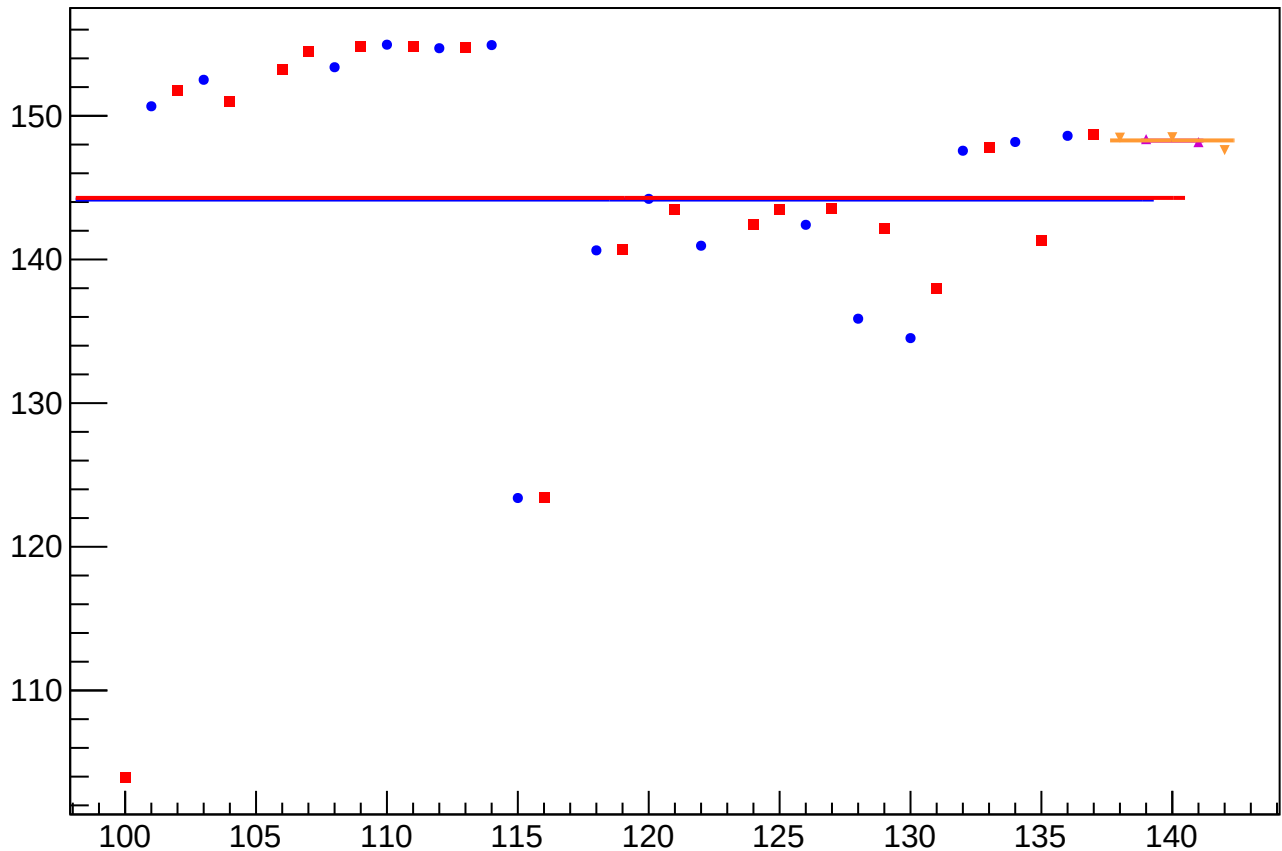
Left In: 4837.430 $\pm$ 2.702 χ^2/NDF : 979.7/1

+ sign 5110.334 $\pm$ 1.228 χ^2/NDF : 101549.2/18

All: 5076.263 $\pm$ 0.864 χ^2/NDF : 170415.2/39

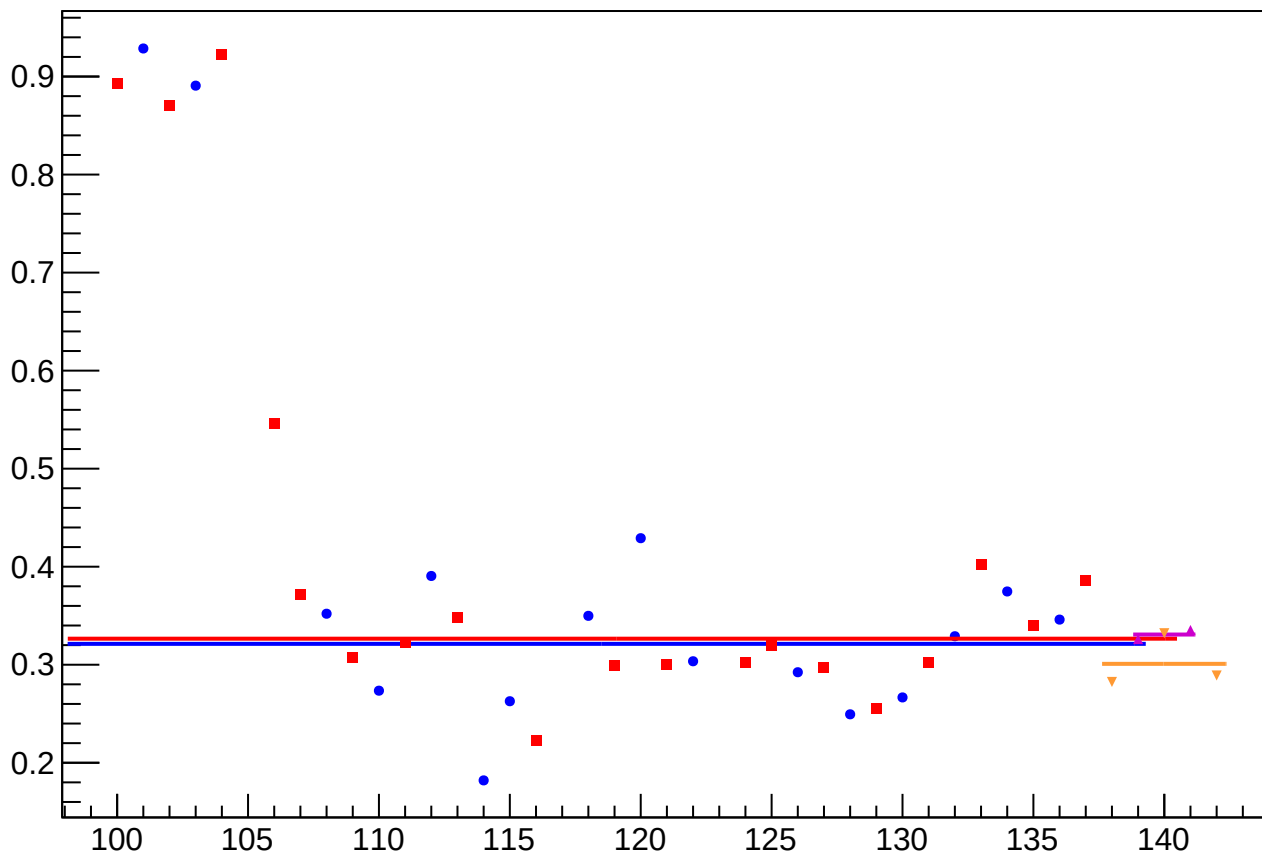
- sign 5042.898 $\pm$ 1.216 χ^2/NDF : 67343.2/20

yield_bcm_an_ds_mean vs Slug



Right In: 144.172 $\pm$ 0.000 χ^2 /NDF: 3764836520.0/15
 Left Out: 148.288 $\pm$ 0.000 χ^2 /NDF:3060972.8/2
 Right Out: 144.286 $\pm$ 0.000 χ^2 /NDF: 4290223847.7/18
 Left In: 148.274 $\pm$ 0.000 χ^2 /NDF:167279.3/1
 + sign 145.310 $\pm$ 0.000 χ^2 /NDF: 4037926561.0/18
 All: 145.223 $\pm$ 0.000 χ^2 /NDF: 8521075781.9
 - sign 145.127 $\pm$ 0.000 χ^2 /NDF: 4481881321.7/20

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF : 1396250.7/15

Left Out: 0.301+/-0.000 χ^2/NDF :22472.1/2

Right Out: 0.327+/-0.000 χ^2/NDF : 1302732.4/18

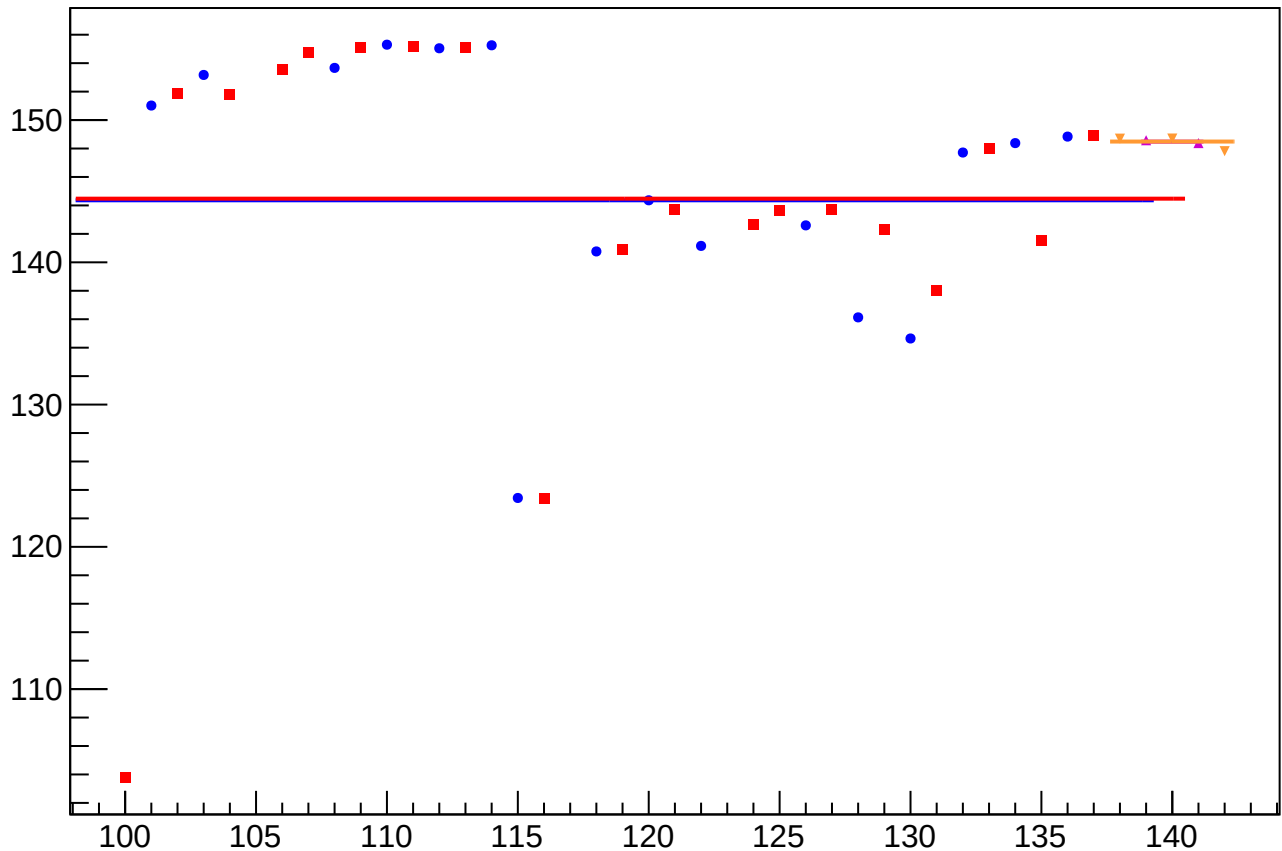
Left In: 0.331+/-0.000 χ^2/NDF :664.6/1

+ sign 0.316+/-0.000 χ^2/NDF : 1431986.6/18

All: 0.321+/-0.000 χ^2/NDF : 2746380.8/39

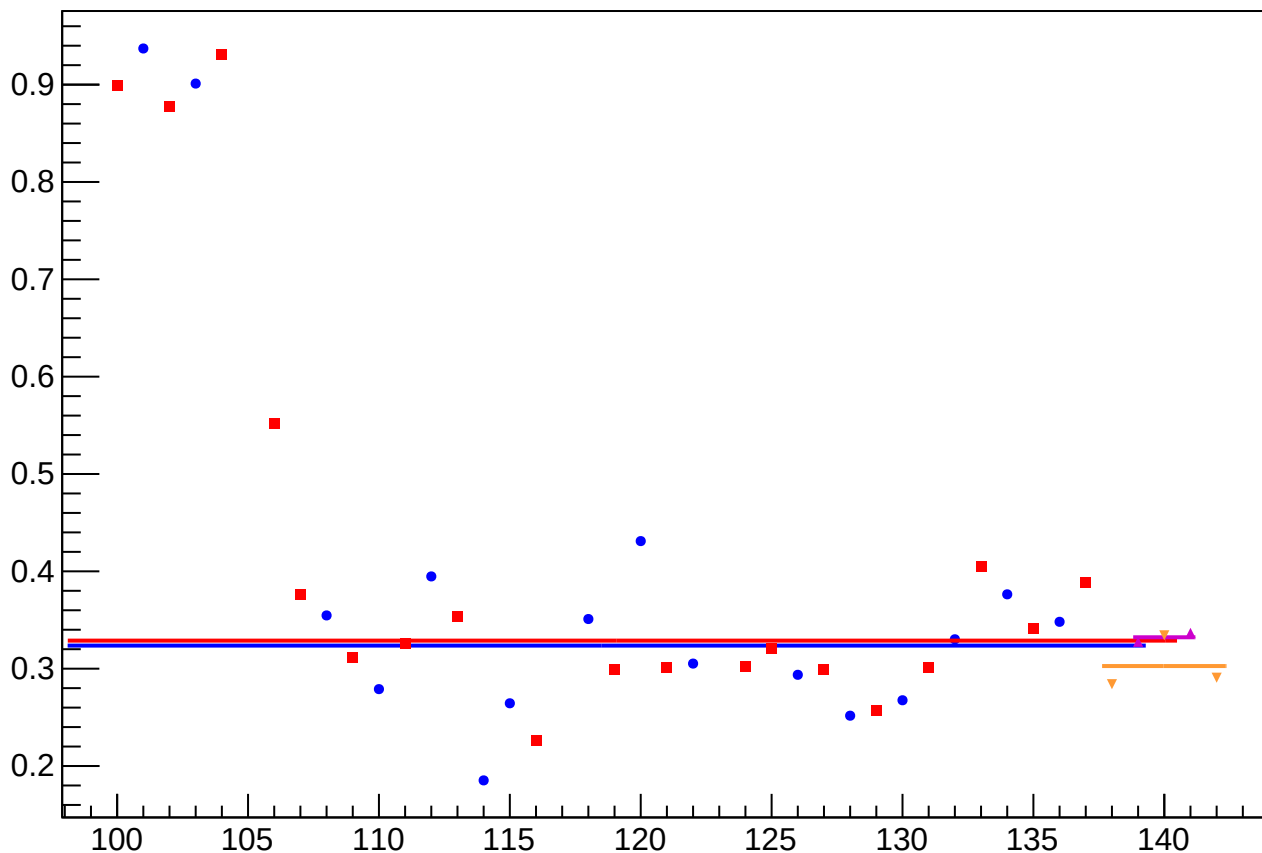
- sign 0.327+/-0.000 χ^2/NDF : 1303829.8/20

yield_bcm_an_ds3_mean vs Slug



Right In: 144.361+/-0.000 χ^2/NDF : 3758625293.6/15
 Left Out: 148.489+/-0.000 χ^2/NDF : 3046320.6/2
 Right Out: 144.475+/-0.000 χ^2/NDF : 4281975463.8/18
 Left In: 148.482+/-0.000 χ^2/NDF : 149776.9/1
 + sign 145.504+/-0.000 χ^2/NDF : 4029874943.9/18
 All: 145.418+/-0.000 χ^2/NDF : 8504744306.3
 - sign 145.322+/-0.000 χ^2/NDF : 4473632718.5/20

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324 $\pm$ 0.000 χ^2 /NDF: 1392377.9/15

Left Out: 0.303 $\pm$ 0.000 χ^2 /NDF:22671.2/2

Right Out: 0.329 $\pm$ 0.000 χ^2 /NDF: 1303222.2/18

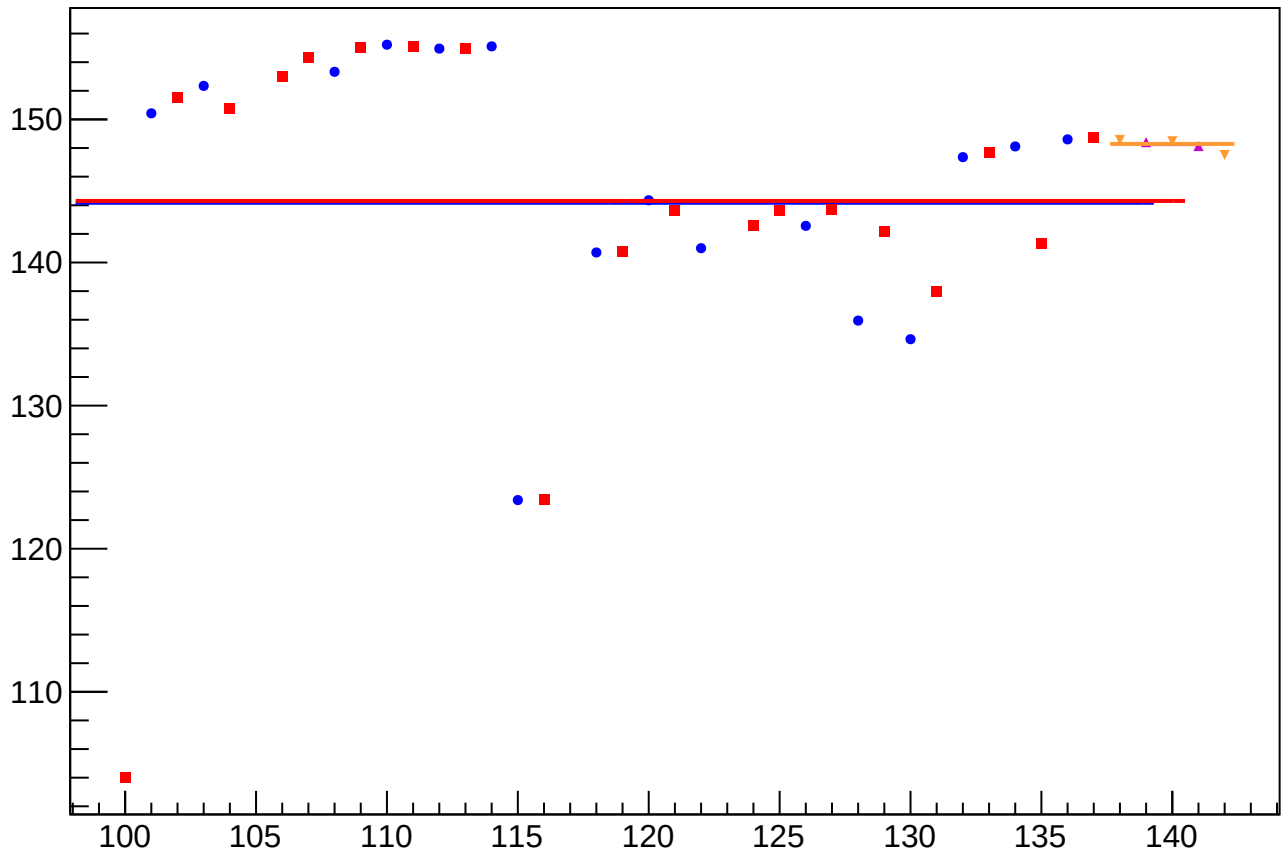
Left In: 0.332 $\pm$ 0.000 χ^2 /NDF:641.2/1

+ sign 0.318 $\pm$ 0.000 χ^2 /NDF: 1428949.5/18

All: 0.323 $\pm$ 0.000 χ^2 /NDF: 2743258.2/39

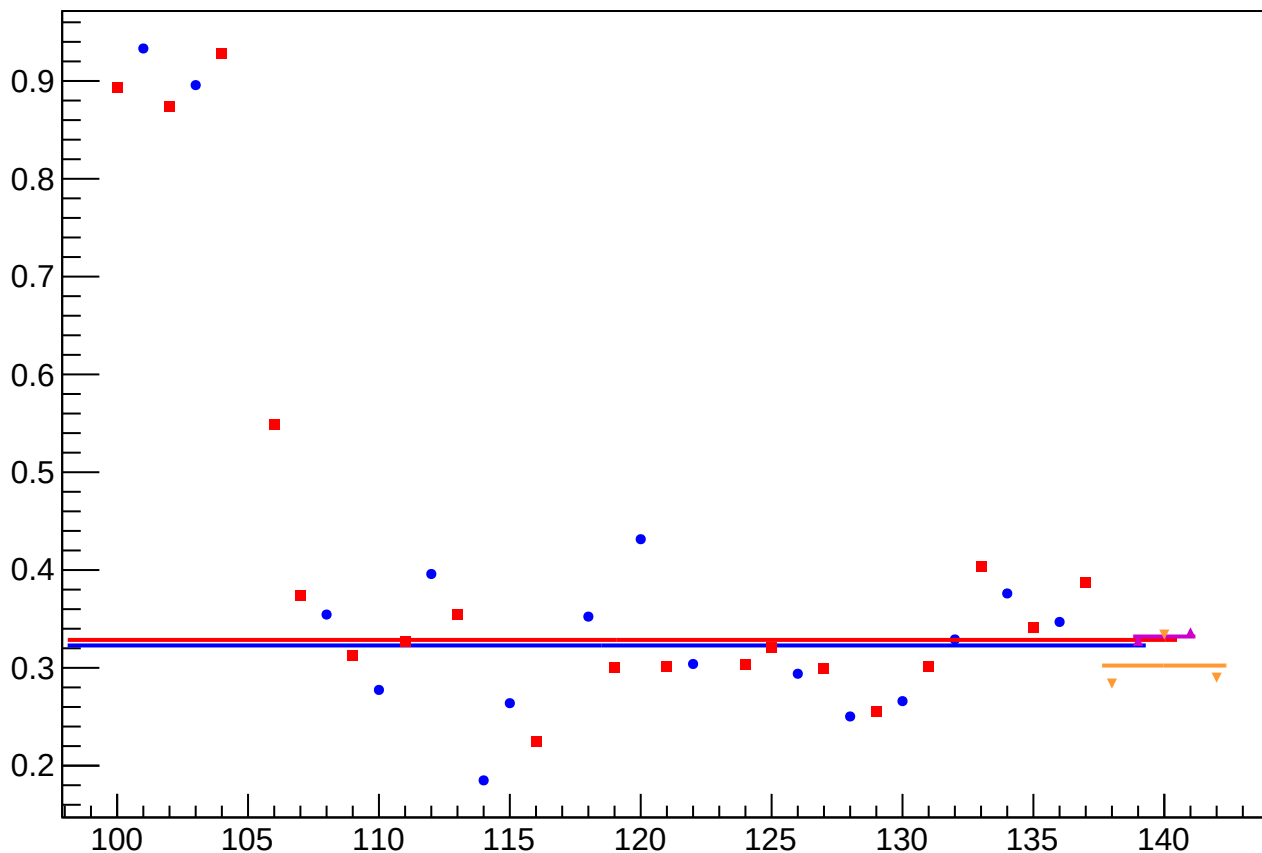
- sign 0.330 $\pm$ 0.000 χ^2 /NDF: 1304143.6/20

yield_bcm_an_us_mean vs Slug



Right In: 144.176 $\pm$ 0.000 χ^2 /NDF: 3724747268.7/15
 Left Out: 148.288 $\pm$ 0.000 χ^2 /NDF: 4034772.6/2
 Right Out: 144.304 $\pm$ 0.000 χ^2 /NDF: 4264494940.7/18
 Left In: 148.275 $\pm$ 0.000 χ^2 /NDF: 278038.9/1
 + sign 145.313 $\pm$ 0.000 χ^2 /NDF: 3995623873.8/18
 All: 145.233 $\pm$ 0.000 χ^2 /NDF: 8449805935.1
 - sign 145.144 $\pm$ 0.000 χ^2 /NDF: 4453113809.2/20

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF : 1396024.1/15

Left Out: 0.302+/-0.000 χ^2/NDF : 22741.0/2

Right Out: 0.329+/-0.000 χ^2/NDF : 1304148.7/18

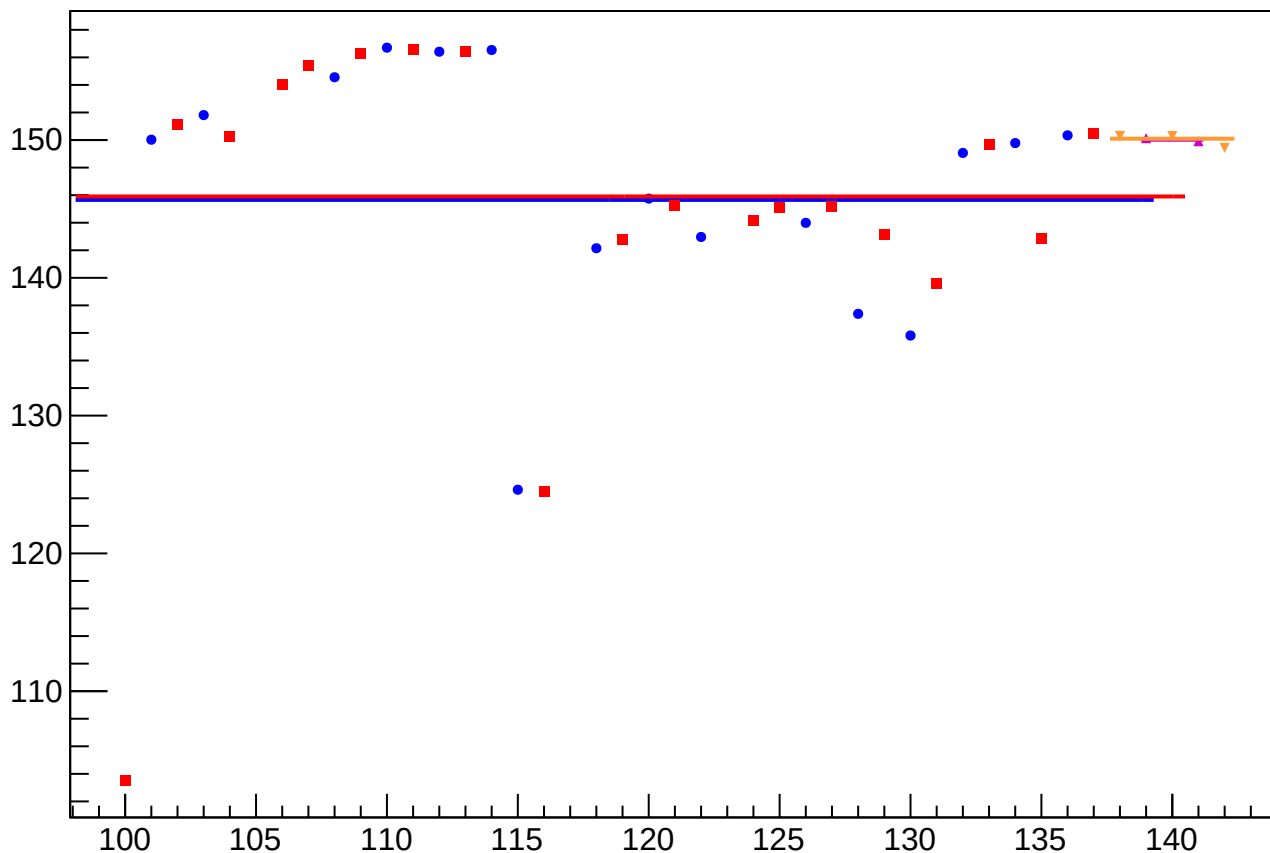
Left In: 0.332+/-0.000 χ^2/NDF : 575.0/1

+ sign 0.317+/-0.000 χ^2/NDF : 1432070.0/18

All: 0.323+/-0.000 χ^2/NDF : 2748055.8/39

- sign 0.329+/-0.000 χ^2/NDF : 1305012.0/20

yield_bcm_dg_us_mean vs Slug



Right In: 145.657+/-0.000 χ^2/NDF : 3481495345.2/15

Left Out: 150.098+/-0.000 χ^2/NDF : 2474073.6/2

Right Out: 145.904+/-0.000 χ^2/NDF : 3863011865.2/18

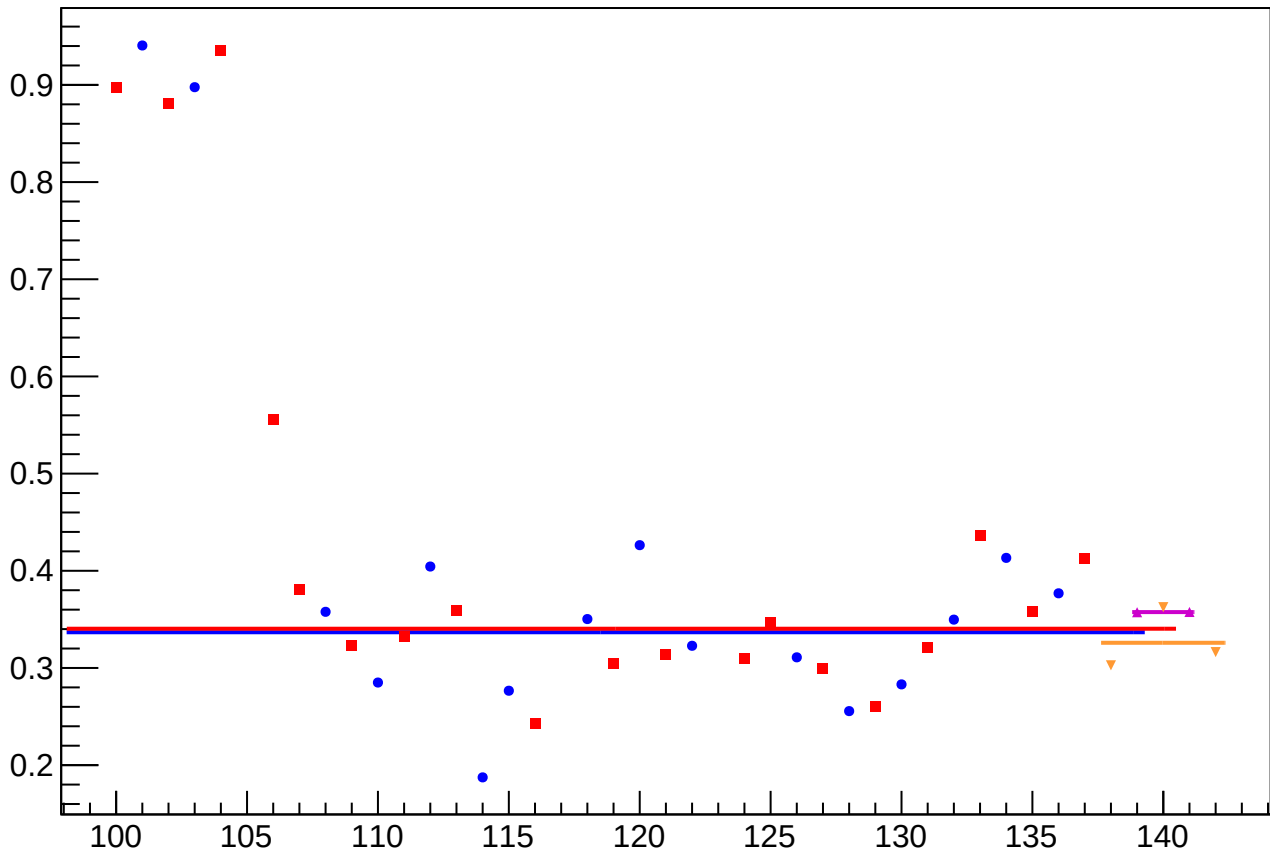
Left In: 150.023+/-0.000 χ^2/NDF : 158885.0/1

+ sign 146.815+/-0.000 χ^2/NDF : 3753719059.1/18

All: 146.770+/-0.000 χ^2/NDF : 7793865858.3

- sign 146.720+/-0.000 χ^2/NDF : 4039841791.3/20

yield_bcm_dg_us_rms vs Slug



Right In: 0.337 $\pm$ 0.000 χ^2 /NDF: 1370512.1/15

Left Out: 0.326 $\pm$ 0.000 χ^2 /NDF: 26090.4/2

Right Out: 0.340 $\pm$ 0.000 χ^2 /NDF: 1274717.4/18

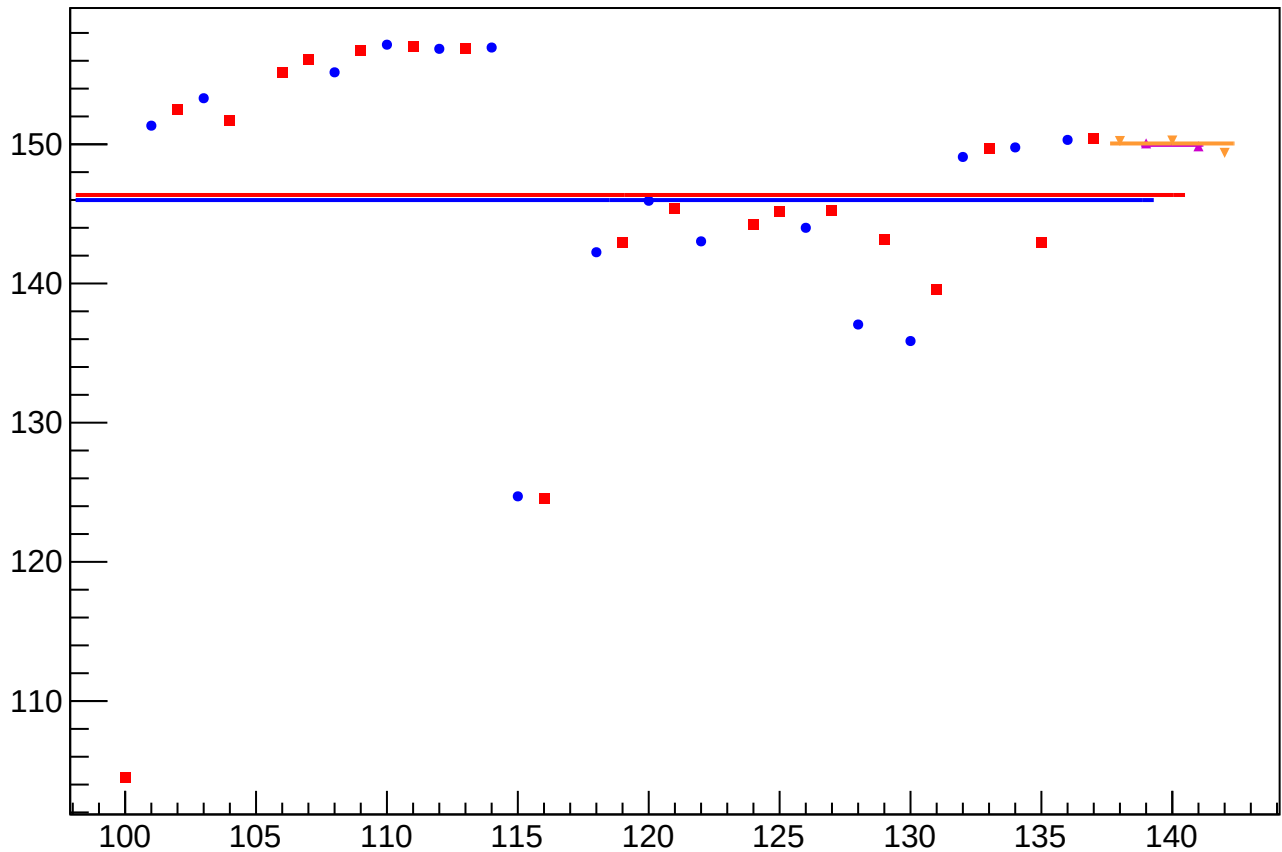
Left In: 0.357 $\pm$ 0.000 χ^2 /NDF: 0.5/1

+ sign 0.334 $\pm$ 0.000 χ^2 /NDF: 1399809.6/18

All: 0.339 $\pm$ 0.000 χ^2 /NDF: 2687247.7/39

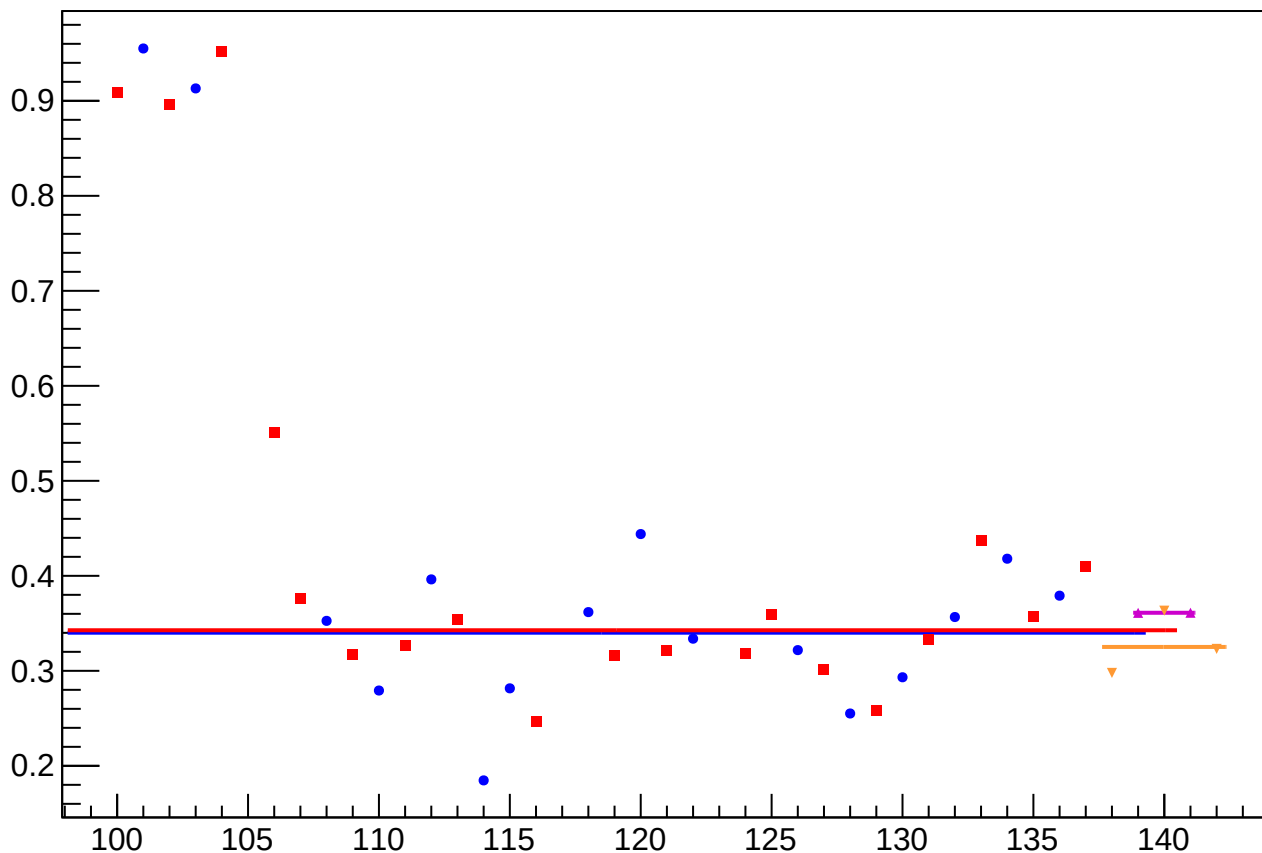
- sign 0.344 $\pm$ 0.000 χ^2 /NDF: 1280821.9/20

yield_bcm_dg_ds_mean vs Slug



Right In: 145.993 $\pm$ 0.000 χ^2 /NDF: 3621634656.4/15
 Left Out: 150.058 $\pm$ 0.000 χ^2 /NDF:2384602.4/2
 Right Out: 146.358 $\pm$ 0.000 χ^2 /NDF: 3963122316.1/18
 Left In: 149.957 $\pm$ 0.000 χ^2 /NDF:140475.0/1
 + sign 147.069 $\pm$ 0.000 χ^2 /NDF: 3848304511.6/18
 All: 147.068 $\pm$ 0.000 χ^2 /NDF: 7943491768.5
 - sign 147.067 $\pm$ 0.000 χ^2 /NDF: 4095187050.4/20

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340 $\pm$ 0.000 χ^2 /NDF: 1393222.3/15

Left Out: 0.325 $\pm$ 0.000 χ^2 /NDF:30241.4/2

Right Out: 0.343 $\pm$ 0.000 χ^2 /NDF: 1270731.2/18

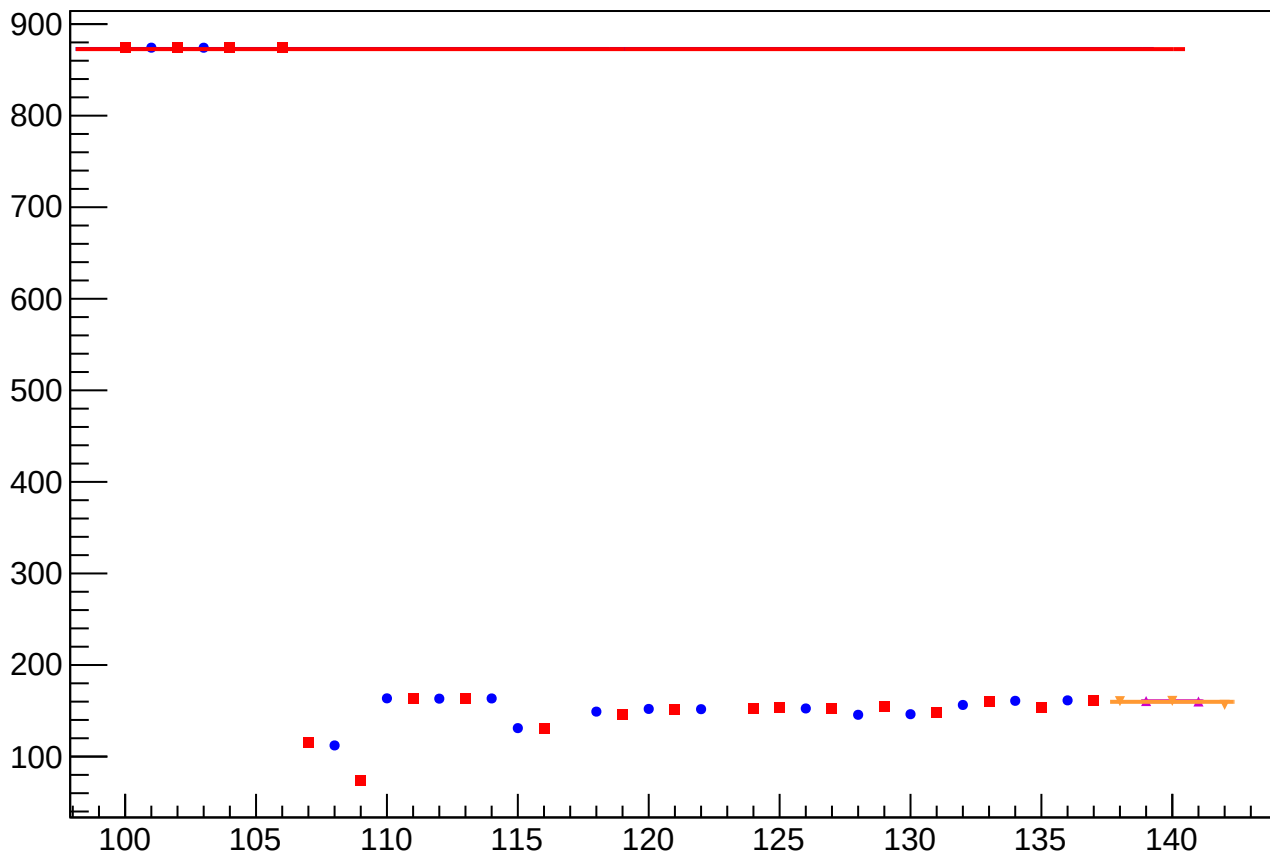
Left In: 0.361 $\pm$ 0.000 χ^2 /NDF:0.1/1

+ sign 0.336 $\pm$ 0.000 χ^2 /NDF: 1429572.6/18

All: 0.341 $\pm$ 0.000 χ^2 /NDF: 2714108.7/39

- sign 0.346 $\pm$ 0.000 χ^2 /NDF: 1277632.4/20

yield_cav4bQ_mean vs Slug



Right In: 872.822 $\pm$ 0.000 χ^2 /NDF: 7191496833472.3/15

Left Out: 159.801 $\pm$ 0.000 χ^2 /NDF: 11515775.8/2

Right Out: 872.676 $\pm$ 0.000 χ^2 /NDF: 9167298490018.9/18

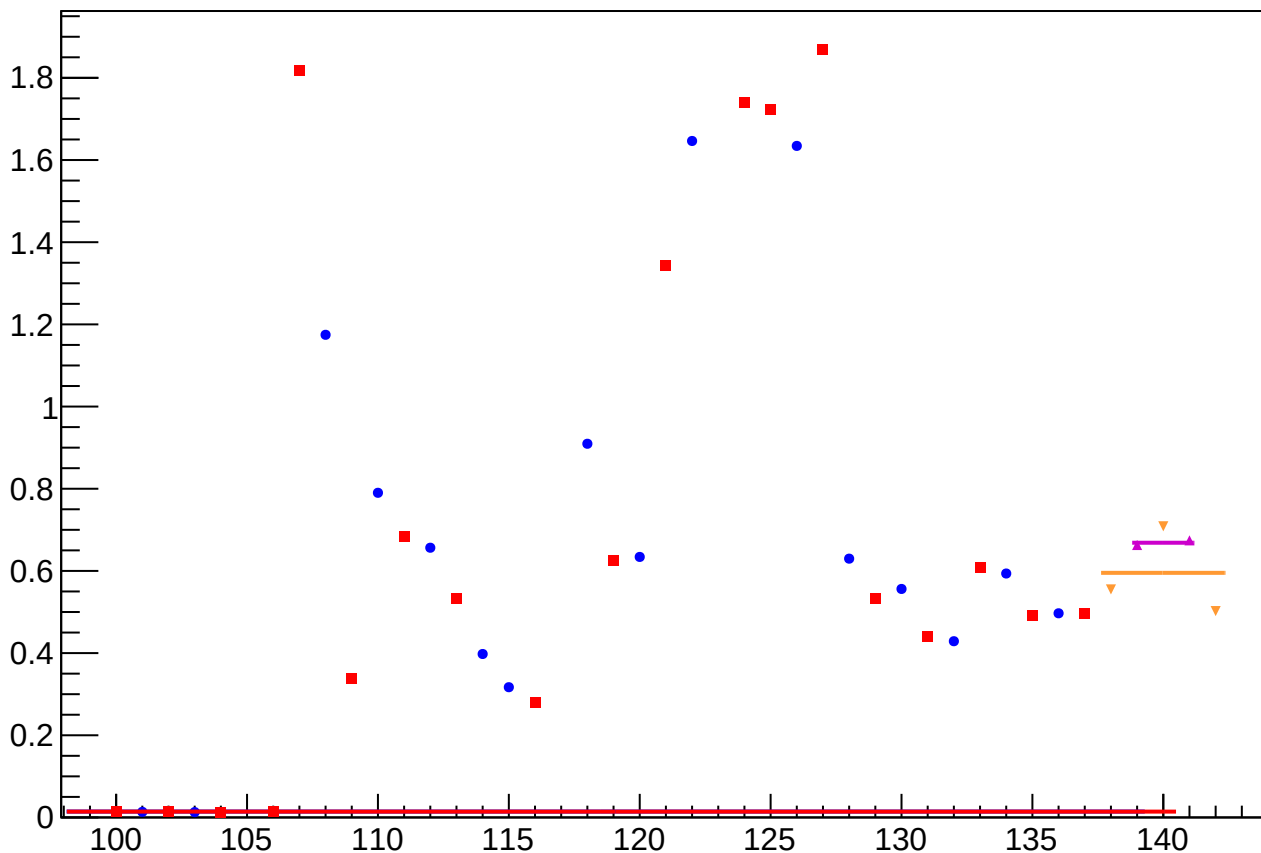
Left In: 160.433 $\pm$ 0.001 χ^2 /NDF: 187293.8/1

+ sign 872.401 $\pm$ 0.000 χ^2 /NDF: 9331821414460.0

All: 872.402 $\pm$ 0.000 χ^2 /NDF: 20089928705

- sign 872.404 $\pm$ 0.000 χ^2 /NDF: 10758107254132.4

yield_cav4bQ_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 9622176.3/15

Left Out: 0.595 $\pm$ 0.000 χ^2 /NDF:56342.6/2

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 9410025.7/18

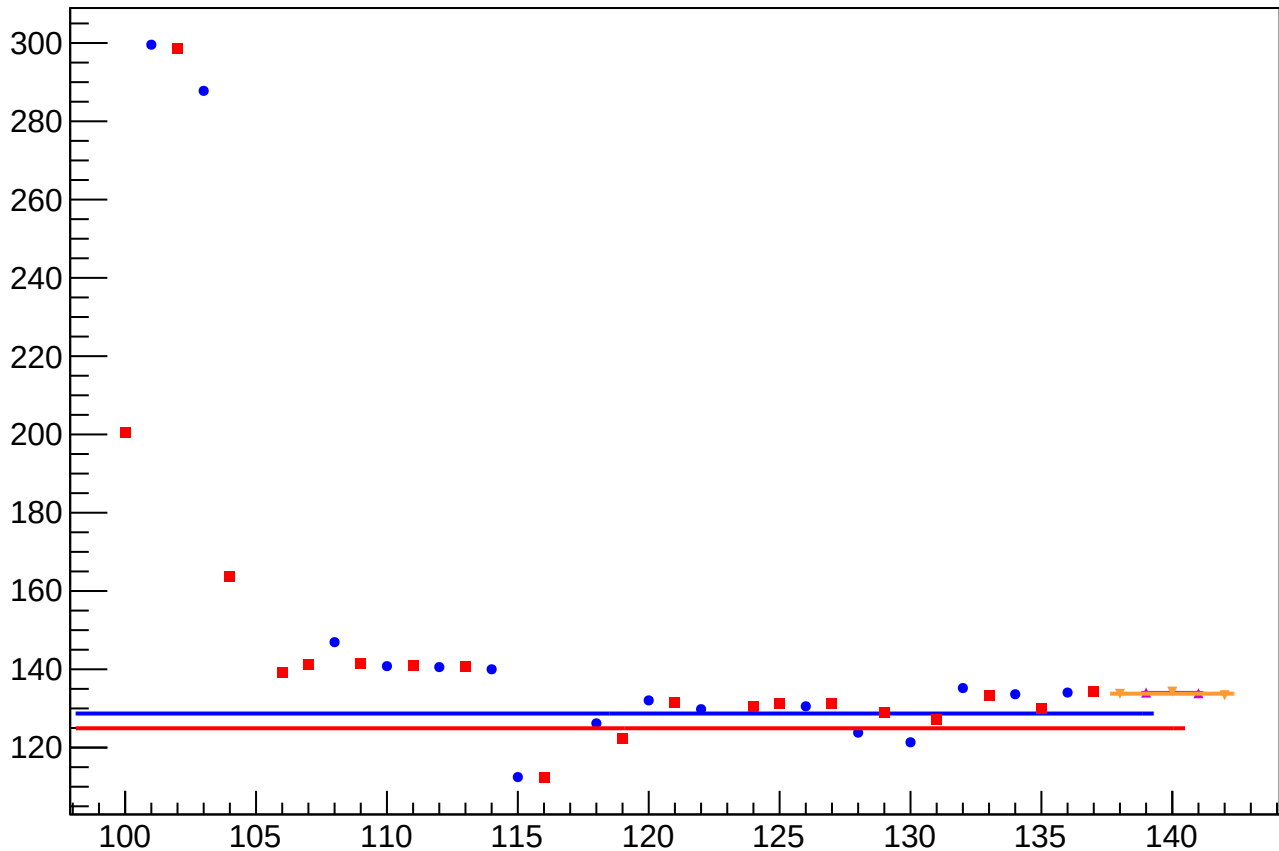
Left In: 0.669 $\pm$ 0.000 χ^2 /NDF:201.1/1

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 12520127.0/18

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 24616119.5/39

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 12095573.6/20

yield_cav4cQ_mean vs Slug



Right In: 128.701 $\pm$ 0.000 χ^2 /NDF: 1656162604.0/15

Left Out: 133.774 $\pm$ 0.000 χ^2 /NDF: 784511.6/2

Right Out: 124.935 $\pm$ 0.000 χ^2 /NDF: 1397923053.7/18

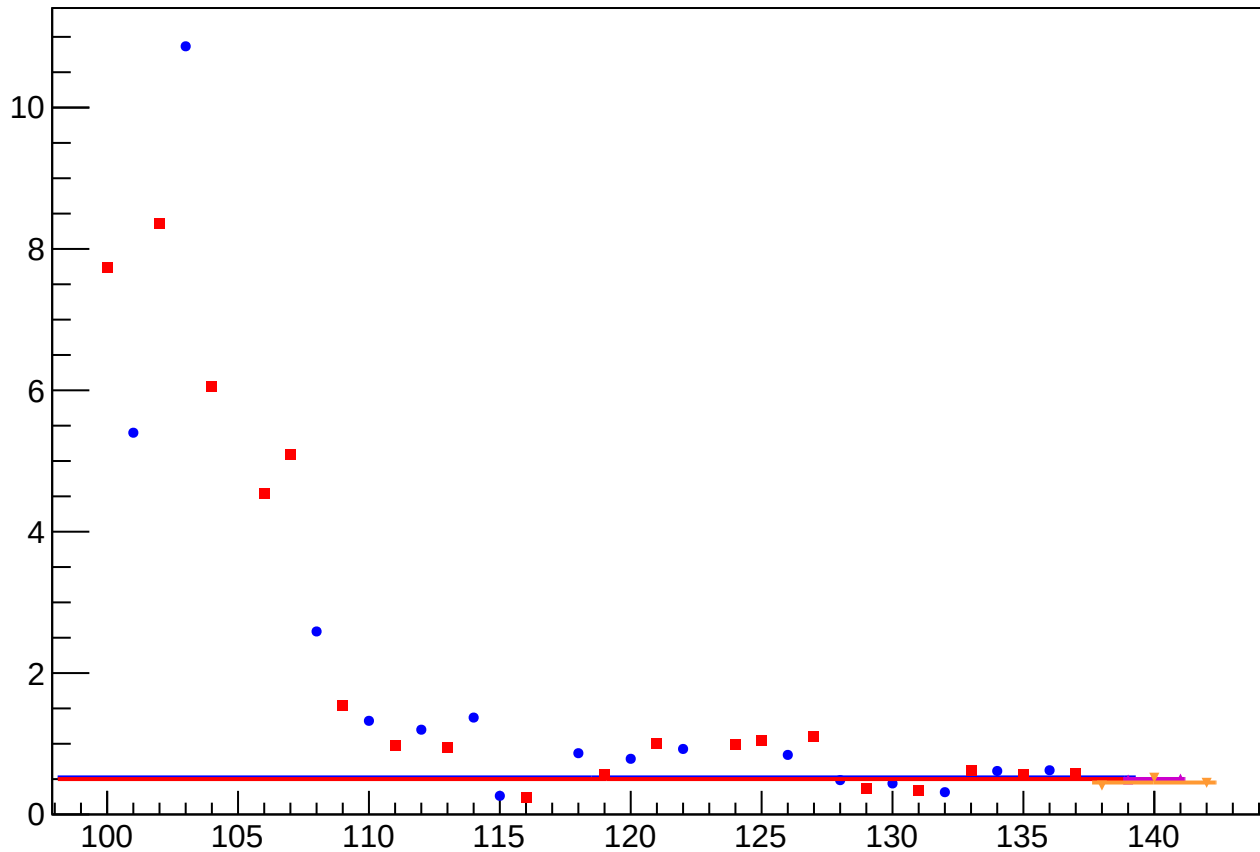
Left In: 133.967 $\pm$ 0.000 χ^2 /NDF: 27813.9/1

+ sign 130.319 $\pm$ 0.000 χ^2 /NDF: 1766669355.8/18

All: 128.722 $\pm$ 0.000 χ^2 /NDF: 3530123676.8

- sign 126.999 $\pm$ 0.000 χ^2 /NDF: 1659415678.1/20

yield_cav4cQ_rms vs Slug



Right In: 0.524 $\pm$ 0.000 χ^2 /NDF: 4138409.3/15

Left Out: 0.452 $\pm$ 0.000 χ^2 /NDF:25888.1/2

Right Out: 0.501 $\pm$ 0.000 χ^2 /NDF: 4884137.3/18

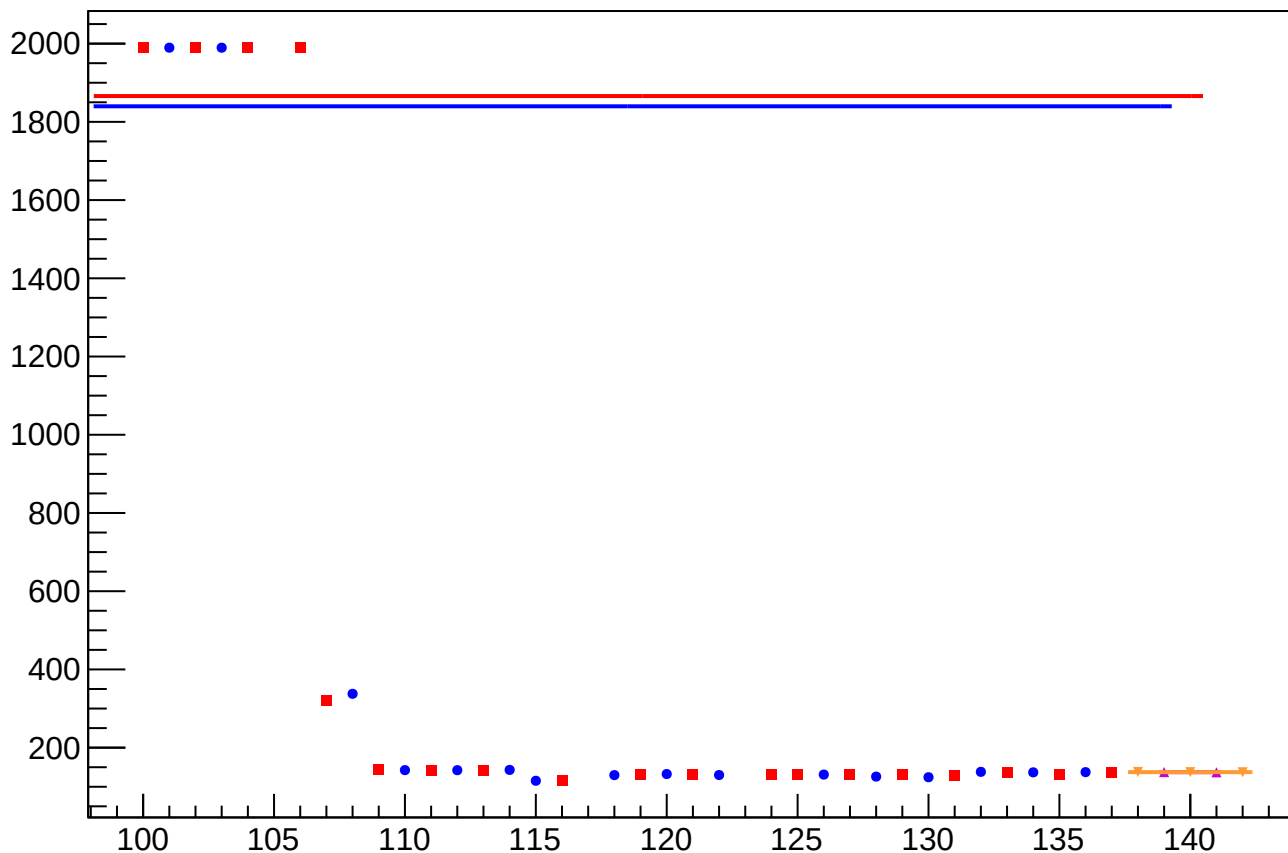
Left In: 0.502 $\pm$ 0.000 χ^2 /NDF:309.3/1

+ sign 0.501 $\pm$ 0.000 χ^2 /NDF: 4208779.4/18

All: 0.501 $\pm$ 0.000 χ^2 /NDF: 9093234.5/39

- sign 0.501 $\pm$ 0.000 χ^2 /NDF: 4884454.1/20

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF : 145916014549797.4/15

Left Out: 137.431+/-0.000 χ^2/NDF :1989163.2/2

+ sign 1785.793+/-0.000 χ^2/NDF : 19833434129905

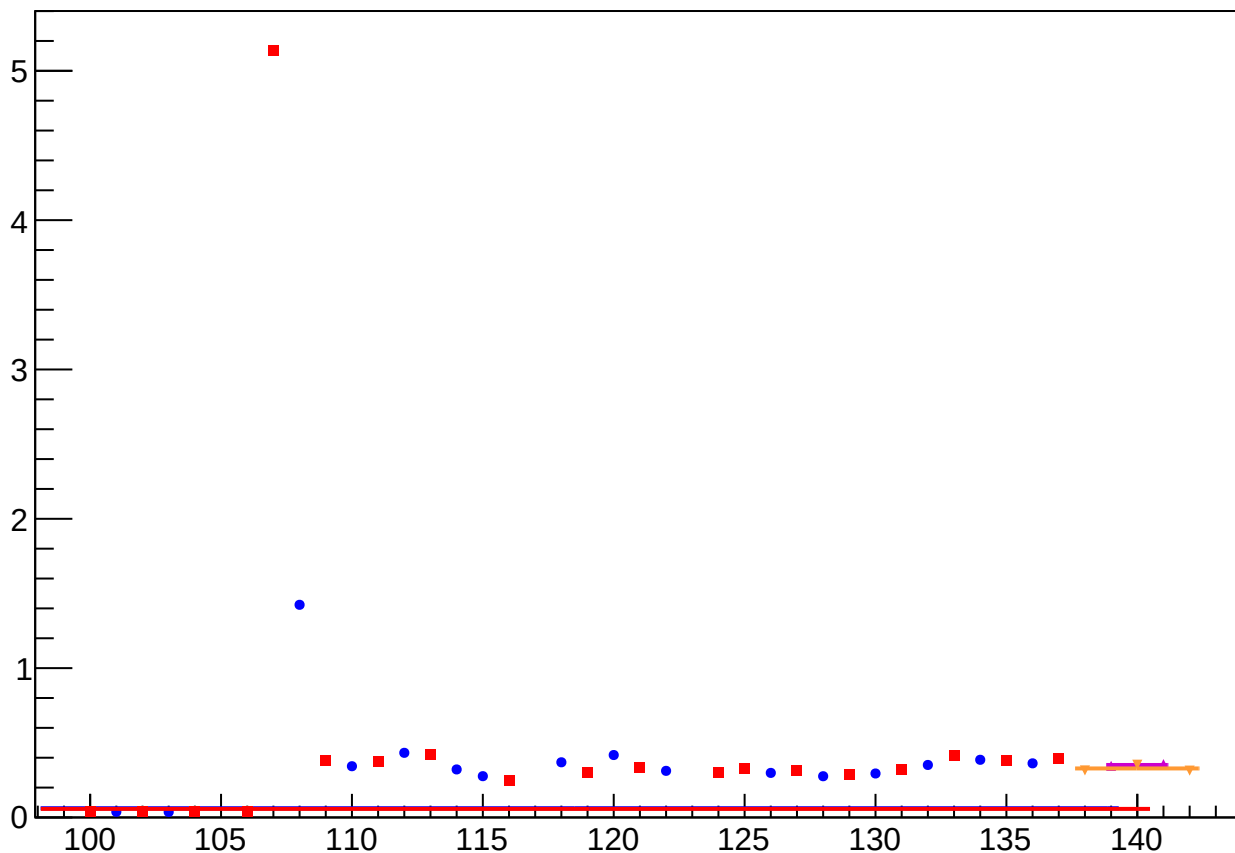
All: 1810.315+/-0.000 χ^2/NDF : 38135852447

Right Out: 1865.968+/-0.000 χ^2/NDF : 142769122276045.8/18

- sign 1831.574+/-0.000 χ^2/NDF : 18236291595894

Left In: 137.306+/-0.000 χ^2/NDF :967280.8/1

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF : 8173578.9/15

Left Out: 0.328+/-0.000 χ^2/NDF :12892.9/2

Right Out: 0.057+/-0.000 χ^2/NDF : 7741927.9/18

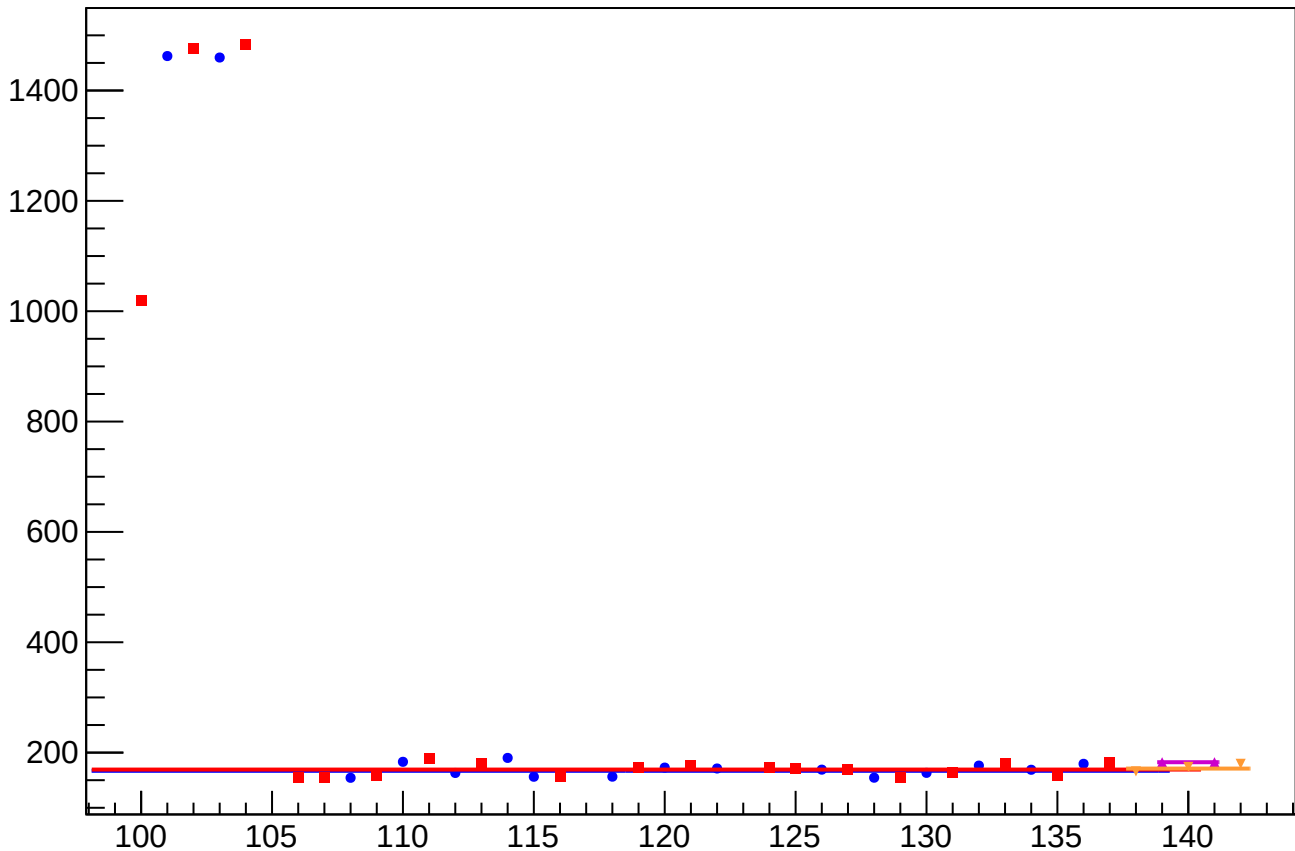
Left In: 0.351+/-0.000 χ^2/NDF :946.9/1

+ sign 0.070+/-0.000 χ^2/NDF : 10753889.3/18

All: 0.066+/-0.000 χ^2/NDF : 20820867.4/39

- sign 0.063+/-0.000 χ^2/NDF : 10035330.6/20

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF : 14614977518.5/15

Left Out: 171.051+/-0.001 χ^2/NDF : 49897417.5/2

Right Out: 169.257+/-0.000 χ^2/NDF : 16317542946.8/18

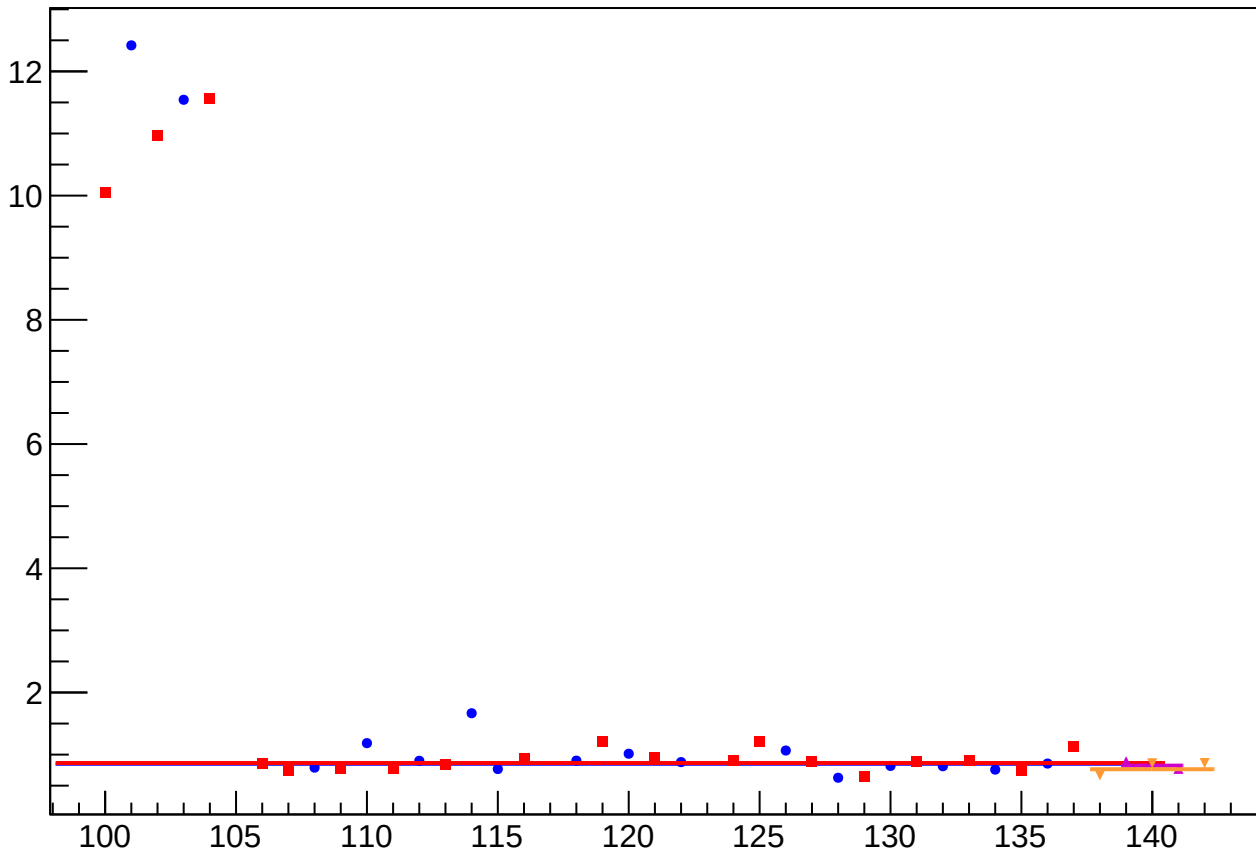
Left In: 182.589+/-0.001 χ^2/NDF : 1335.8/1

+ sign 168.025+/-0.000 χ^2/NDF : 14686413651.0/18

All: 169.914+/-0.000 χ^2/NDF : 31245882217.0

- sign 171.880+/-0.000 χ^2/NDF : 16508061094.6/20

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF : 2302297.2/15

Left Out: 0.765+/-0.001 χ^2/NDF : 33934.6/2

Right Out: 0.864+/-0.000 χ^2/NDF : 2209232.6/18

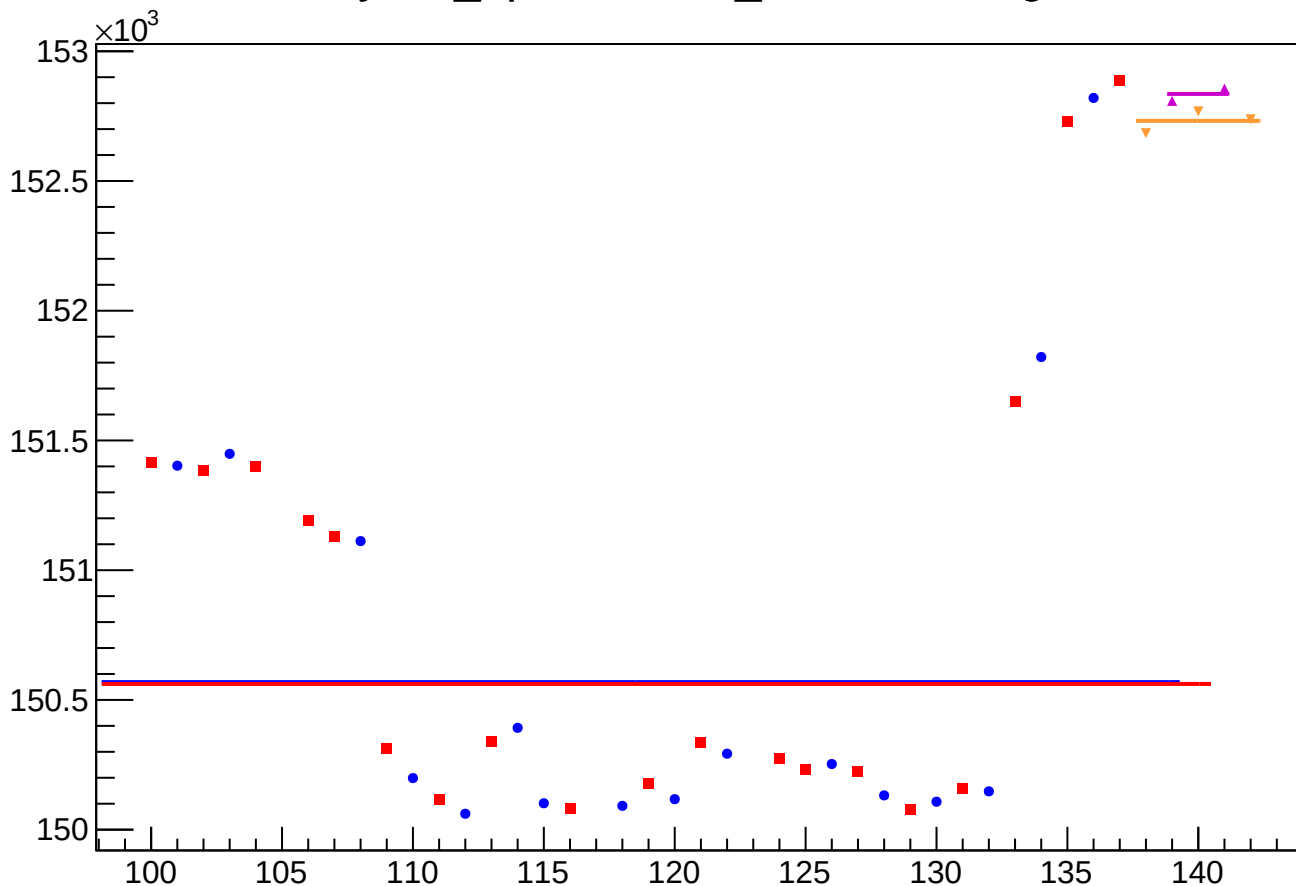
Left In: 0.822+/-0.001 χ^2/NDF : 9777.1/1

+ sign 0.831+/-0.000 χ^2/NDF : 2356888.2/18

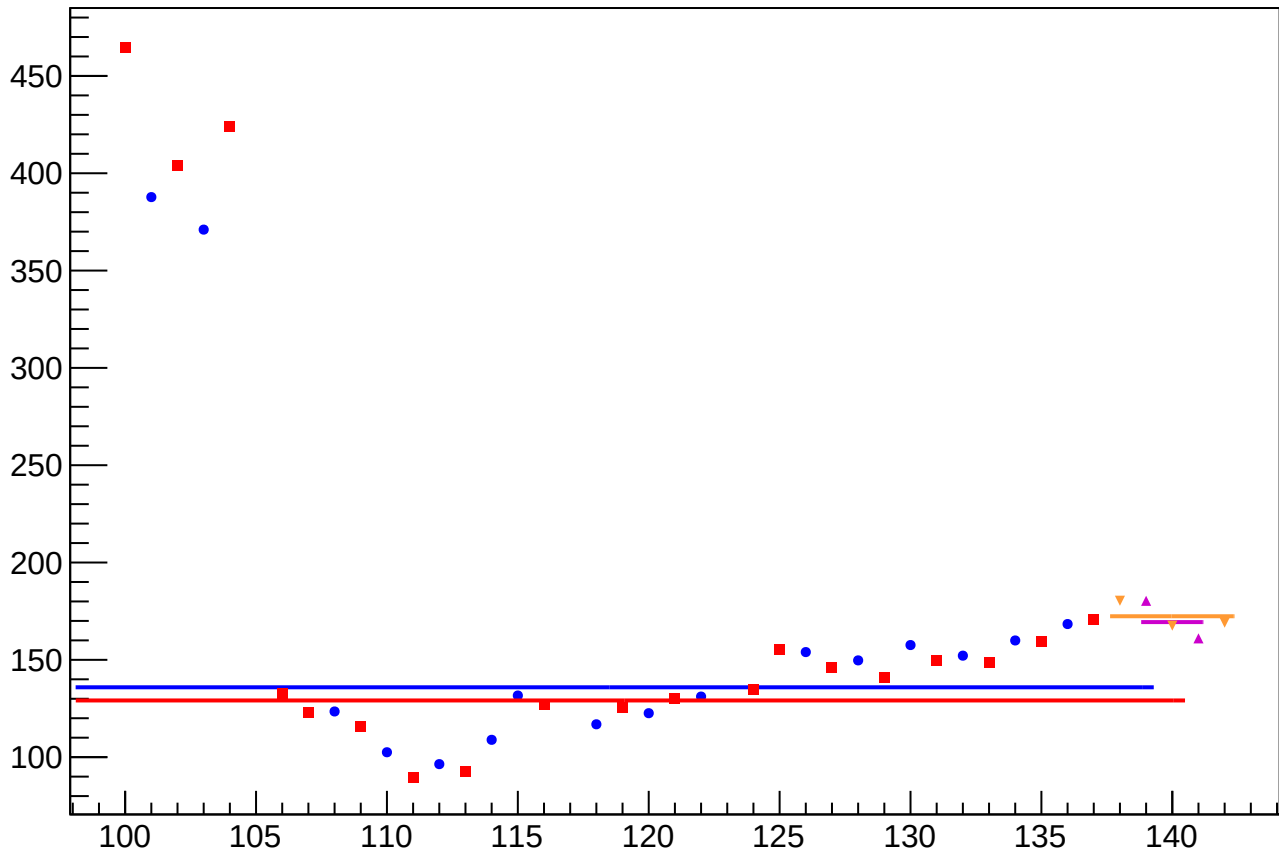
All: 0.843+/-0.000 χ^2/NDF : 4584049.8/39

- sign 0.856+/-0.000 χ^2/NDF : 2222784.5/20

yield_bpm2i01WS_mean vs Slug



yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF : 1416332.3/15

Left Out: 172.394+/-0.086 χ^2/NDF : 4656.2/2

Right Out: 129.130+/-0.036 χ^2/NDF : 1614311.0/18

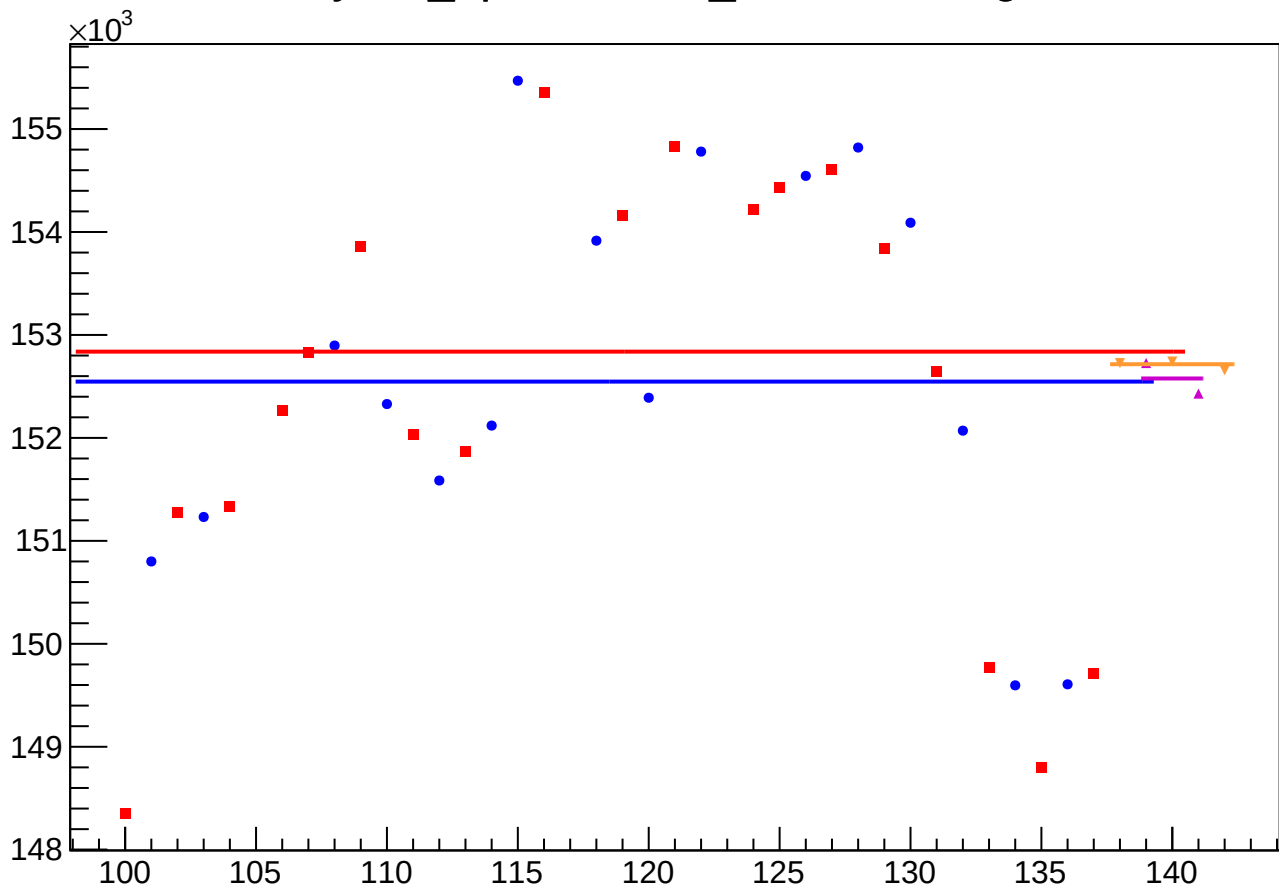
Left In: 169.395+/-0.092 χ^2/NDF : 10871.4/1

+ sign 141.996+/-0.035 χ^2/NDF : 1570301.6/18

All: 138.075+/-0.024 χ^2/NDF : 3386124.6/39

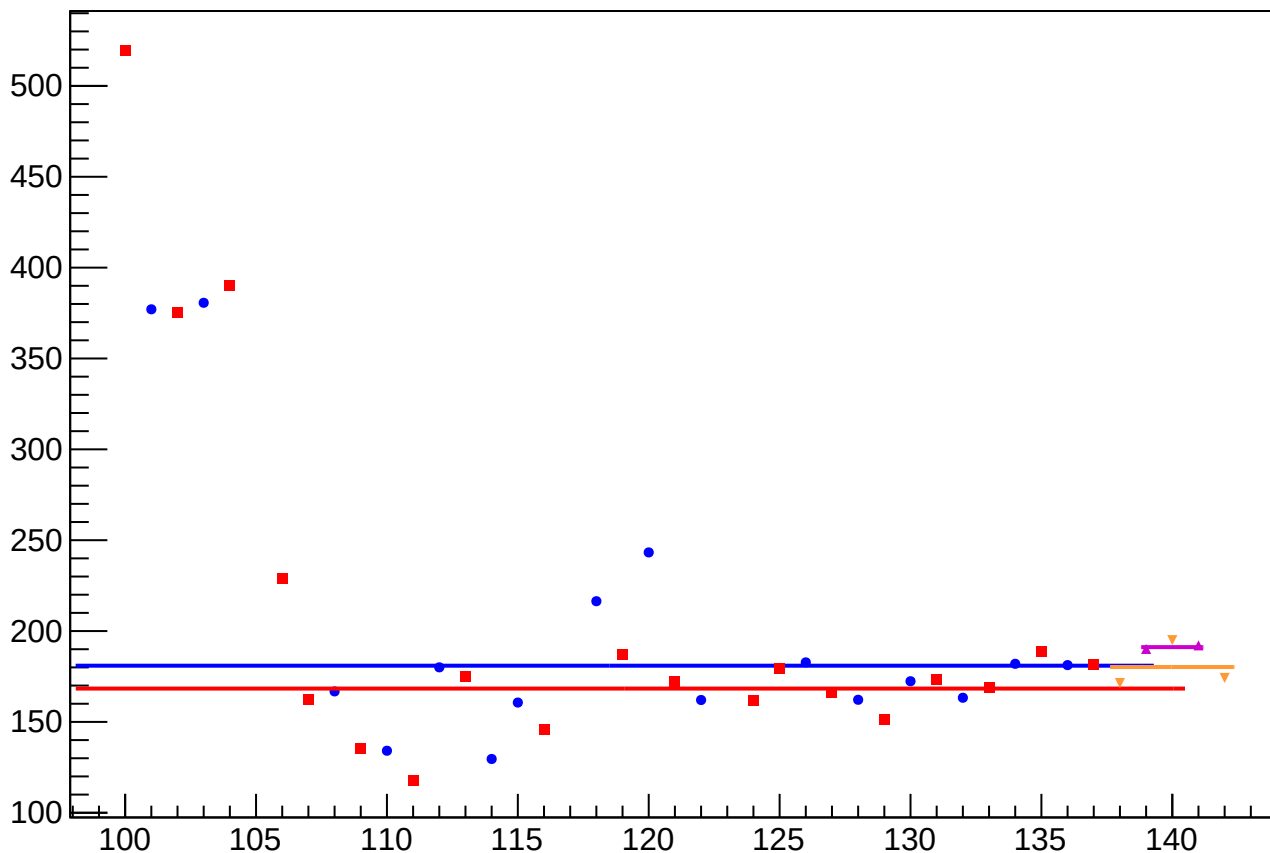
- sign 134.522+/-0.034 χ^2/NDF : 1792225.1/20

yield_bpm0i07WS_mean vs Slug



Right In: 152546.899 $\pm$ 0.073 χ^2 /NDF: 654540559.6/15
 Left Out: 152715.729 $\pm$ 0.128 χ^2 /NDF: 65666.3/2
 Right Out: 152837.888 $\pm$ 0.067 χ^2 /NDF: 736907066.8/18
 Left In: 152577.162 $\pm$ 0.146 χ^2 /NDF: 1028613.8/1
 + sign 152587.831 $\pm$ 0.063 χ^2 /NDF: 655916773.6/1
 All: 152694.668 $\pm$ 0.044 χ^2 /NDF: 140197050
 - sign 152793.096 $\pm$ 0.061 χ^2 /NDF: 740563880.4/20

yield_bpm0i07WS_rms vs Slug



Right In: 180.938 $\pm$ 0.051 χ^2 /NDF: 907758.2/15

Left Out: 180.214 $\pm$ 0.091 χ^2 /NDF:14190.8/2

Right Out: 168.349 $\pm$ 0.047 χ^2 /NDF: 1089090.2/18

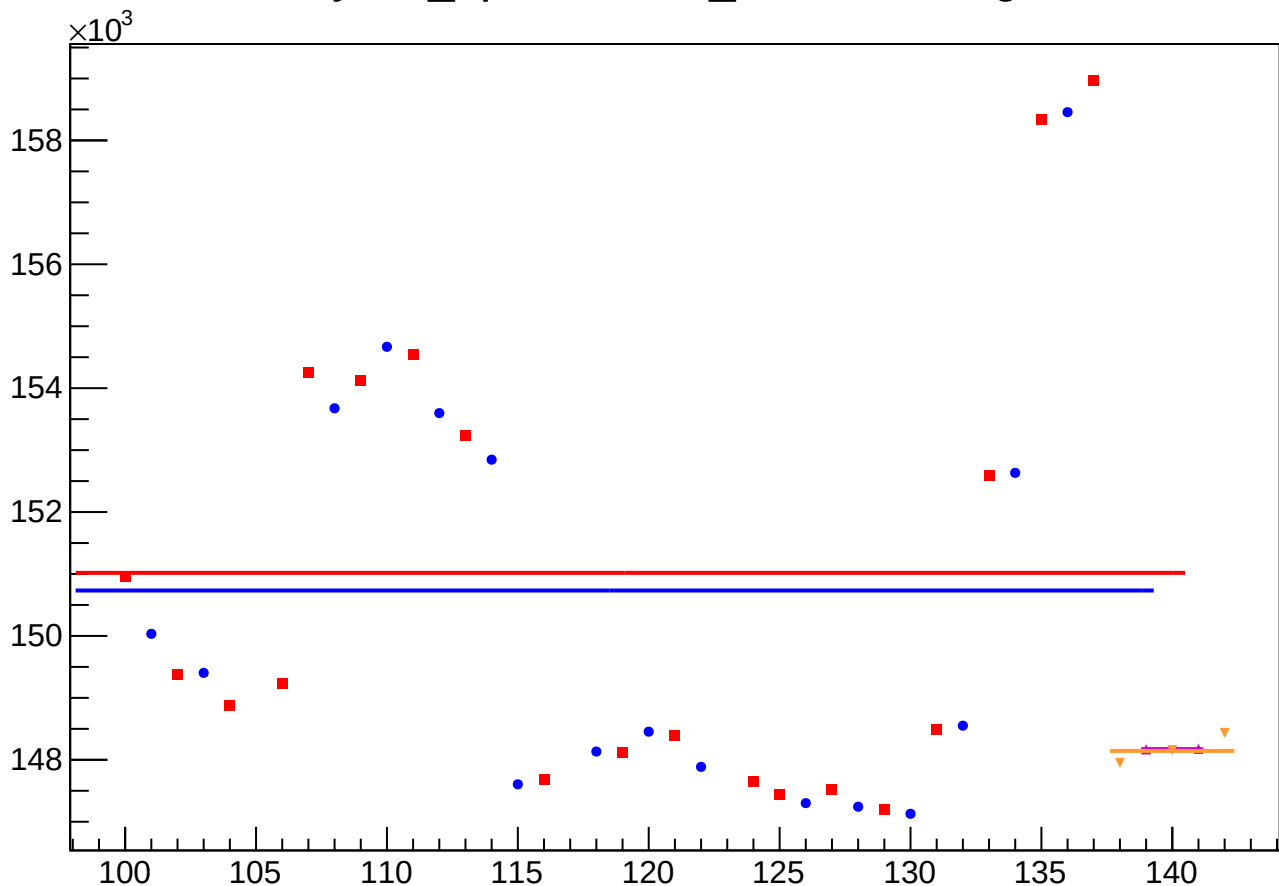
Left In: 191.163 $\pm$ 0.103 χ^2 /NDF:90.9/1

+ sign 180.763 $\pm$ 0.045 χ^2 /NDF: 921997.2/18

All: 176.342 $\pm$ 0.031 χ^2 /NDF: 2070225.5/39

- sign 172.268 $\pm$ 0.043 χ^2 /NDF: 1129424.9/20

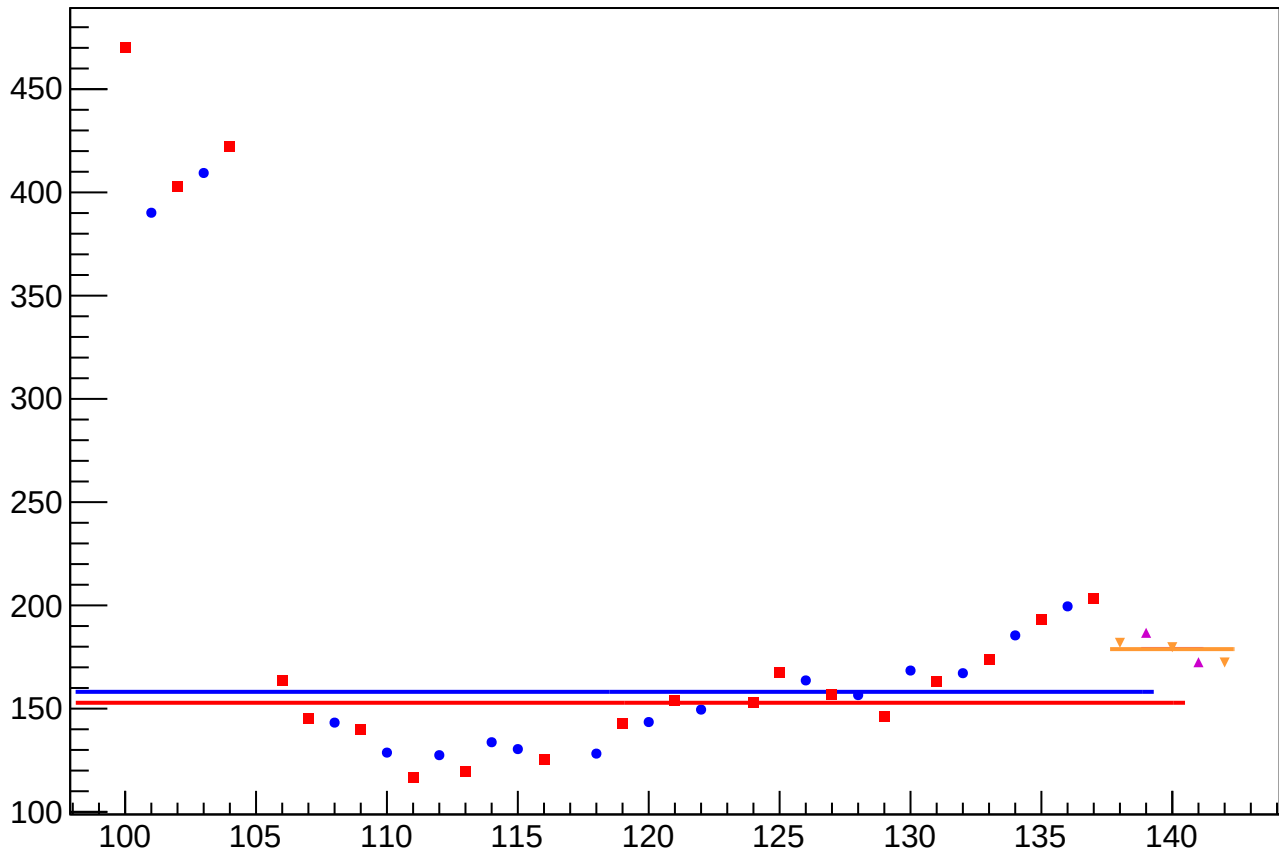
yield_bpm0i01WS_mean vs Slug



Right In: 150733.301 $\pm$ 0.063 χ^2 /NDF: 3283848751.0/15
 Left Out: 148143.744 $\pm$ 0.126 χ^2 /NDF: 2089281.2/2
 Right Out: 151018.500 $\pm$ 0.060 χ^2 /NDF: 3286131878.7/18
 Left In: 148173.306 $\pm$ 0.137 χ^2 /NDF: 933.4/1

+ sign 150219.916 $\pm$ 0.056 χ^2 /NDF: 3621974409.4
 All: 150393.459 $\pm$ 0.039 χ^2 /NDF: 728920558
 - sign 150558.915 $\pm$ 0.055 χ^2 /NDF: 3648683628.4

yield_bpm0i01WS_rms vs Slug



Right In: 158.138 ± 0.044 χ^2/NDF : 1195699.5/15

Left Out: 178.823 ± 0.089 χ^2/NDF : 1677.9/2

Right Out: 152.841 ± 0.042 χ^2/NDF : 1264236.1/18

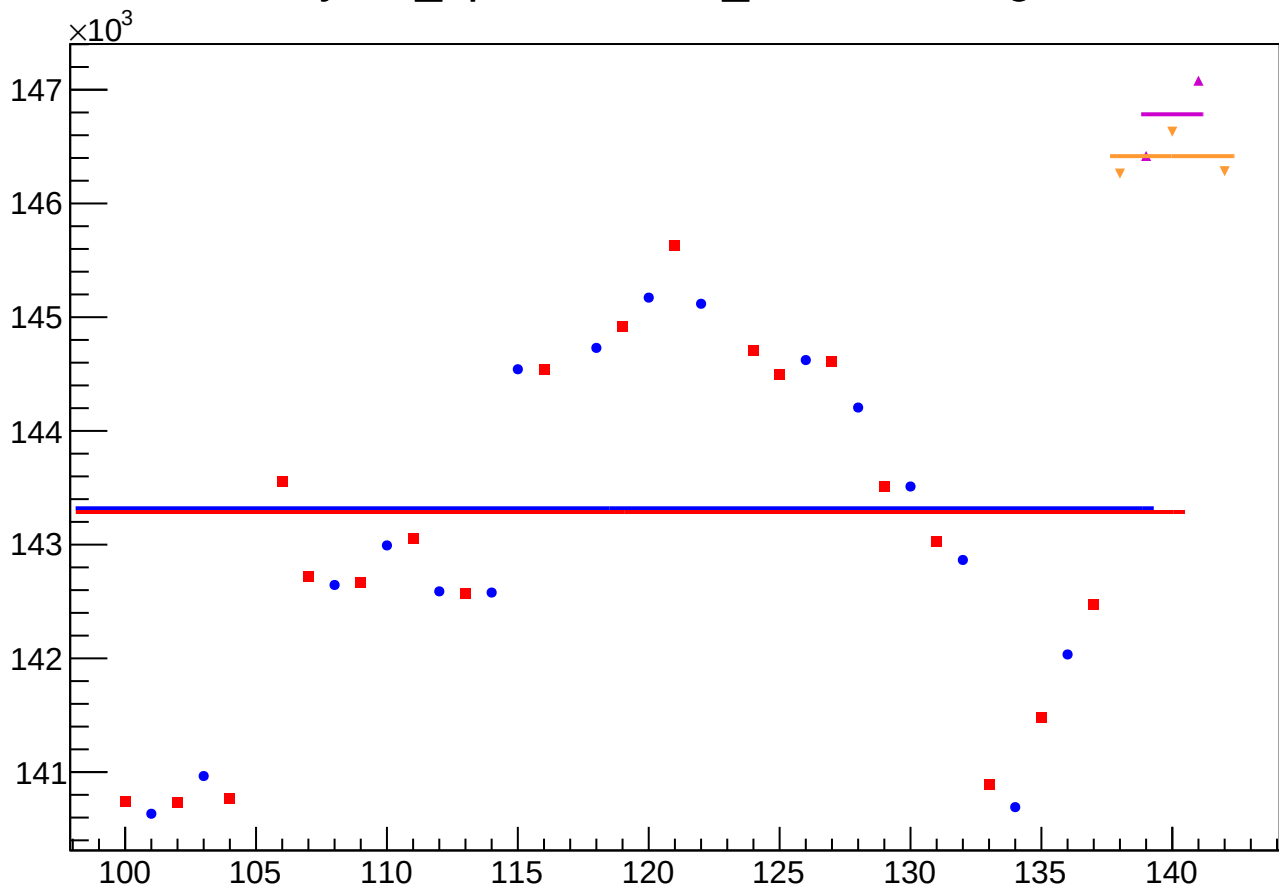
Left In: 178.899 ± 0.097 χ^2/NDF : 5364.5/1

+ sign 162.239 ± 0.040 χ^2/NDF : 1240258.6/18

All: 159.582 ± 0.028 χ^2/NDF : 2579368.3/39

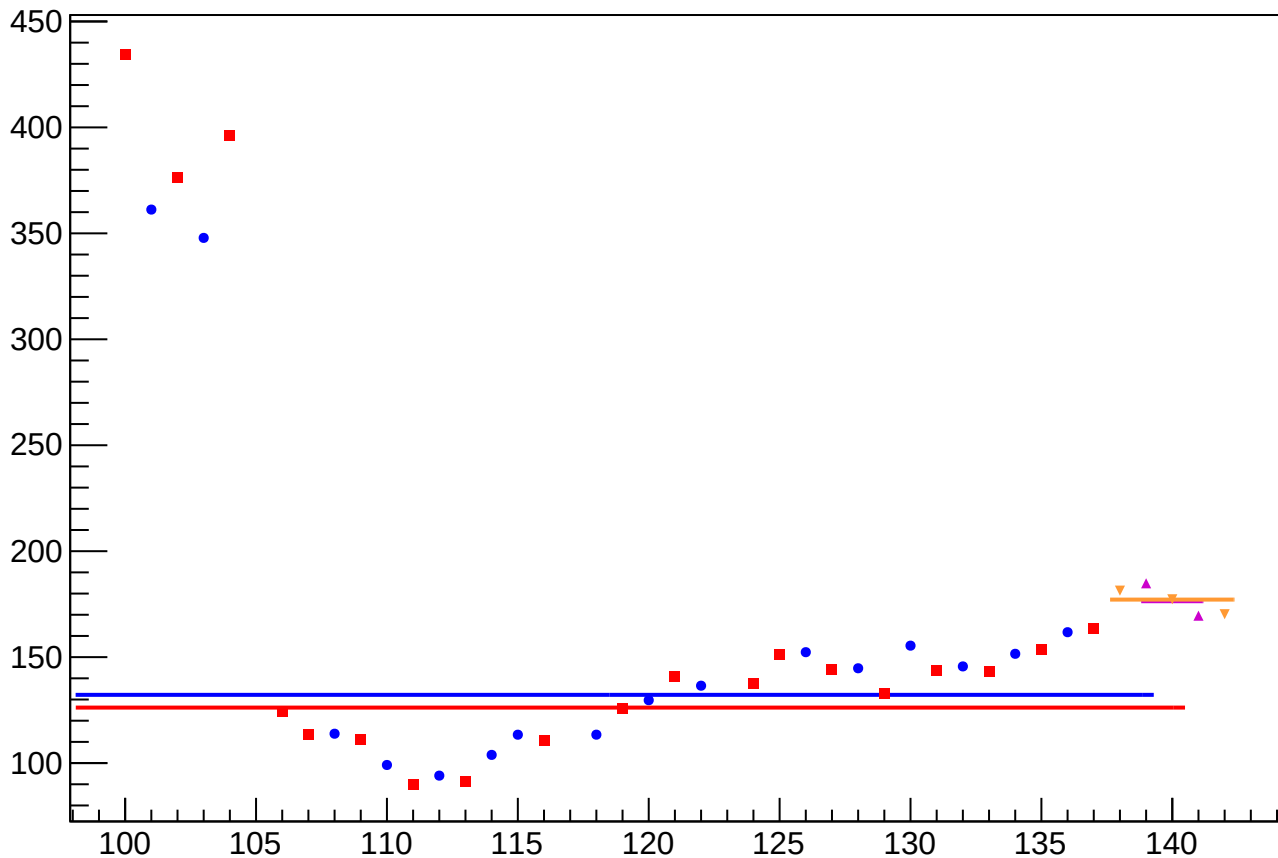
- sign 157.050 ± 0.039 χ^2/NDF : 1330420.4/20

yield_bpm0i01aWS_mean vs Slug



Right In: 143319.651 ± 0.053 $\chi^2/\text{NDF}: 559301530.7/15$ $+ \text{sign } 143792.012 \pm 0.049$ $\chi^2/\text{NDF}: 1079569379.2$
 Left Out: 146416.129 ± 0.125 $\chi^2/\text{NDF}: 1998967.3/2$ All: 143746.583 ± 0.034 $\chi^2/\text{NDF}: 229975645$
 Right Out: 143286.960 ± 0.050 $\chi^2/\text{NDF}: 620521577.8/18$ $- \text{sign } 143705.266 \pm 0.047$ $\chi^2/\text{NDF}: 1218539406.8$
 Left In: 146784.069 ± 0.135 $\chi^2/\text{NDF}: 5949951.8/1$

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204 $\pm$ 0.038 χ^2 /NDF: 1379168.6/15

Left Out: 177.154 $\pm$ 0.089 χ^2 /NDF:2239.6/2

Right Out: 126.191 $\pm$ 0.035 χ^2 /NDF: 1545034.5/18

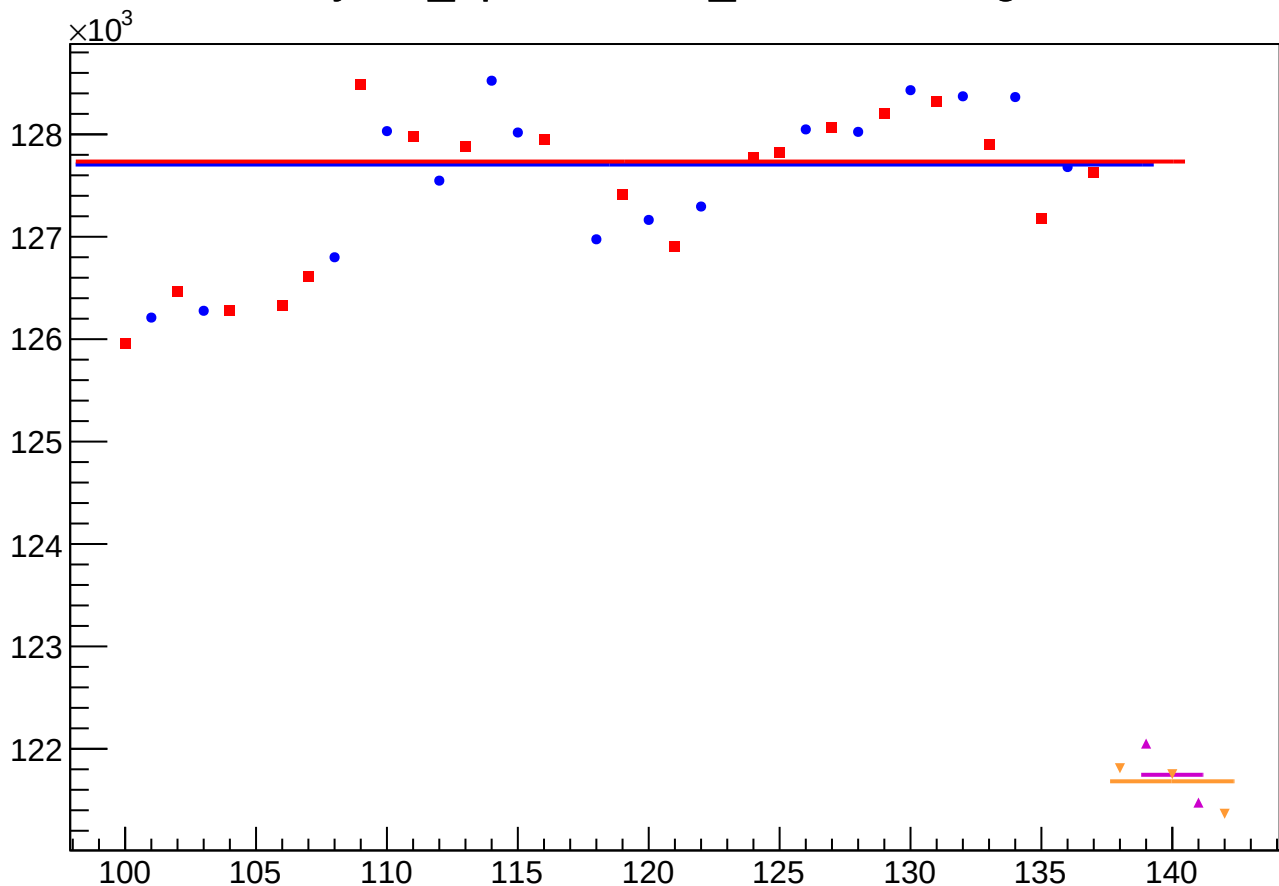
Left In: 176.389 $\pm$ 0.095 χ^2 /NDF:6350.4/1

+ sign 139.061 $\pm$ 0.035 χ^2 /NDF: 1599838.8/18

All: 135.466 $\pm$ 0.024 χ^2 /NDF: 3415844.4/39

- sign 132.196 $\pm$ 0.033 χ^2 /NDF: 1795362.4/20

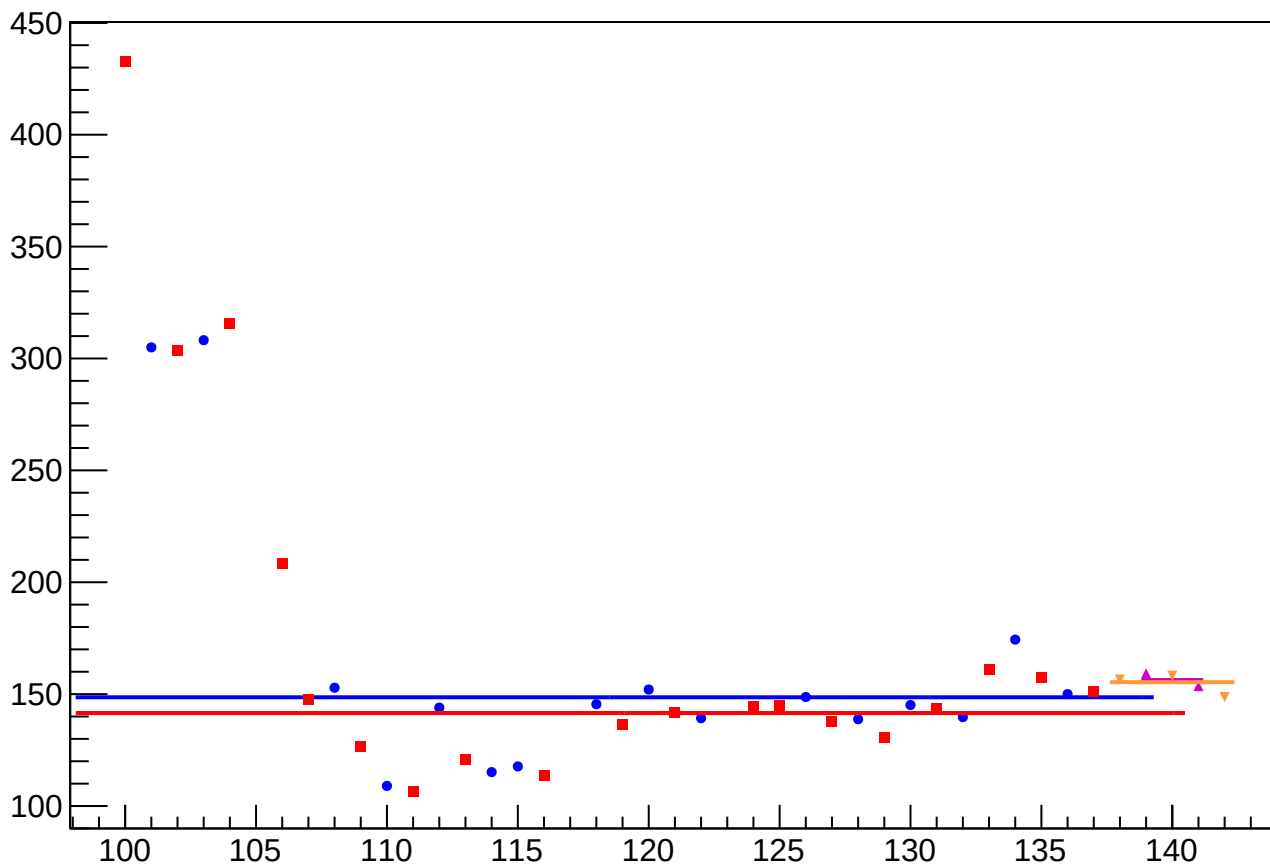
yield_bpm0l01WS_mean vs Slug



Right In: 127705.222 ± 0.058 $\chi^2/\text{NDF}: 104467207.7/15$
 Left Out: 121682.871 ± 0.111 $\chi^2/\text{NDF}: 2551034.4/2$
 Right Out: 127734.542 ± 0.055 $\chi^2/\text{NDF}: 109469333.8/18$
 Left In: 121746.469 ± 0.120 $\chi^2/\text{NDF}: 5742424.9/1$

+ sign 126404.225 ± 0.052 $\chi^2/\text{NDF}: 2403039181.7$
 All: 126556.319 ± 0.036 $\chi^2/\text{NDF}: 459315084$
 - sign 126698.082 ± 0.050 $\chi^2/\text{NDF}: 2173405249.4$

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF : 827701.4/15

Left Out: 155.336+/-0.079 χ^2/NDF : 2311.8/2

Right Out: 141.563+/-0.039 χ^2/NDF : 1001225.3/18

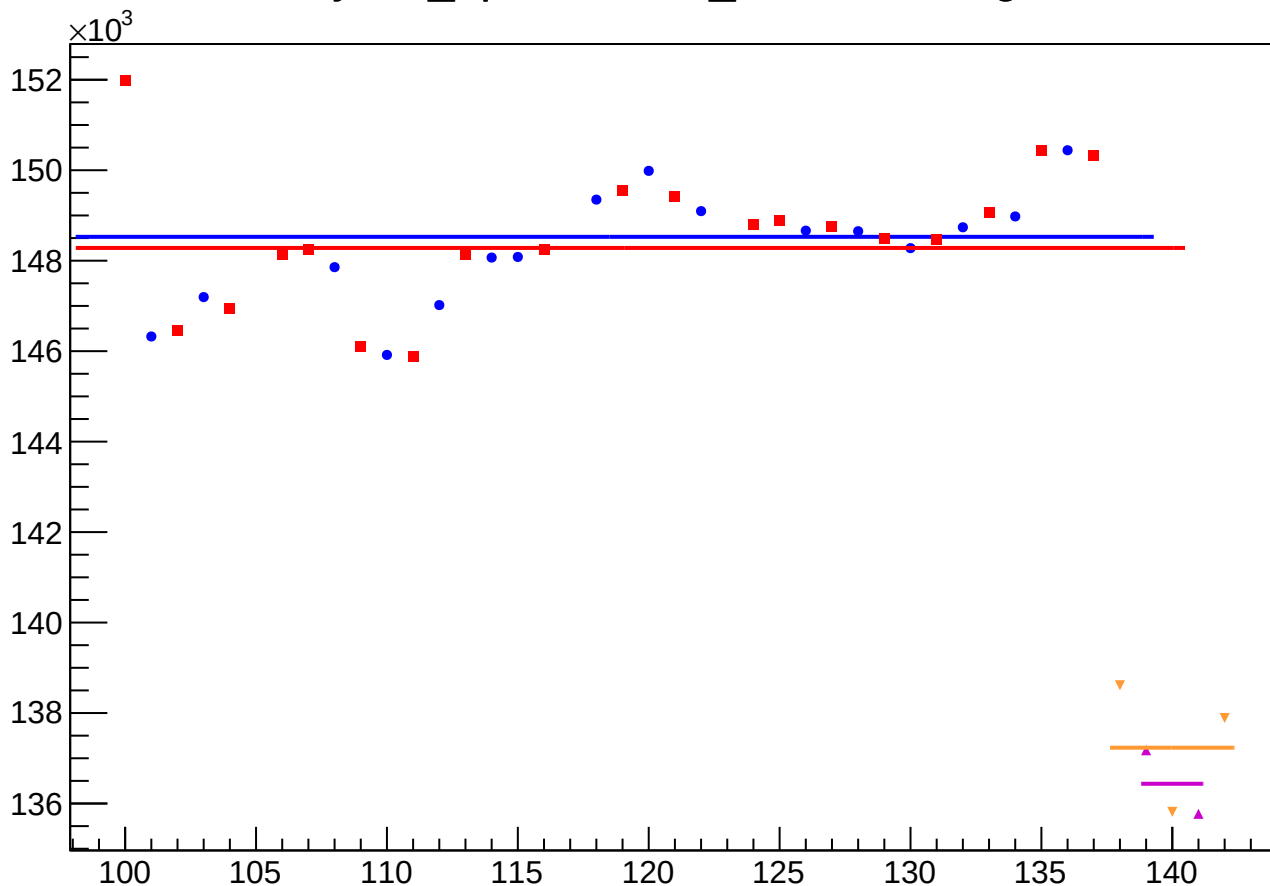
Left In: 156.298+/-0.085 χ^2/NDF : 1119.5/1

+ sign 150.050+/-0.037 χ^2/NDF : 835769.6/18

All: 146.977+/-0.025 χ^2/NDF : 1876673.7/39

- sign 144.113+/-0.035 χ^2/NDF : 1027268.9/20

yield_bpm0l02WS_mean vs Slug



Right In: 148527.678 $\pm$ 0.082 χ^2 /NDF: 209208133.0/15

Left Out: 137233.898 $\pm$ 0.163 χ^2 /NDF: 61299533.6/2

Right Out: 148282.003 $\pm$ 0.077 χ^2 /NDF: 294673557.8/18

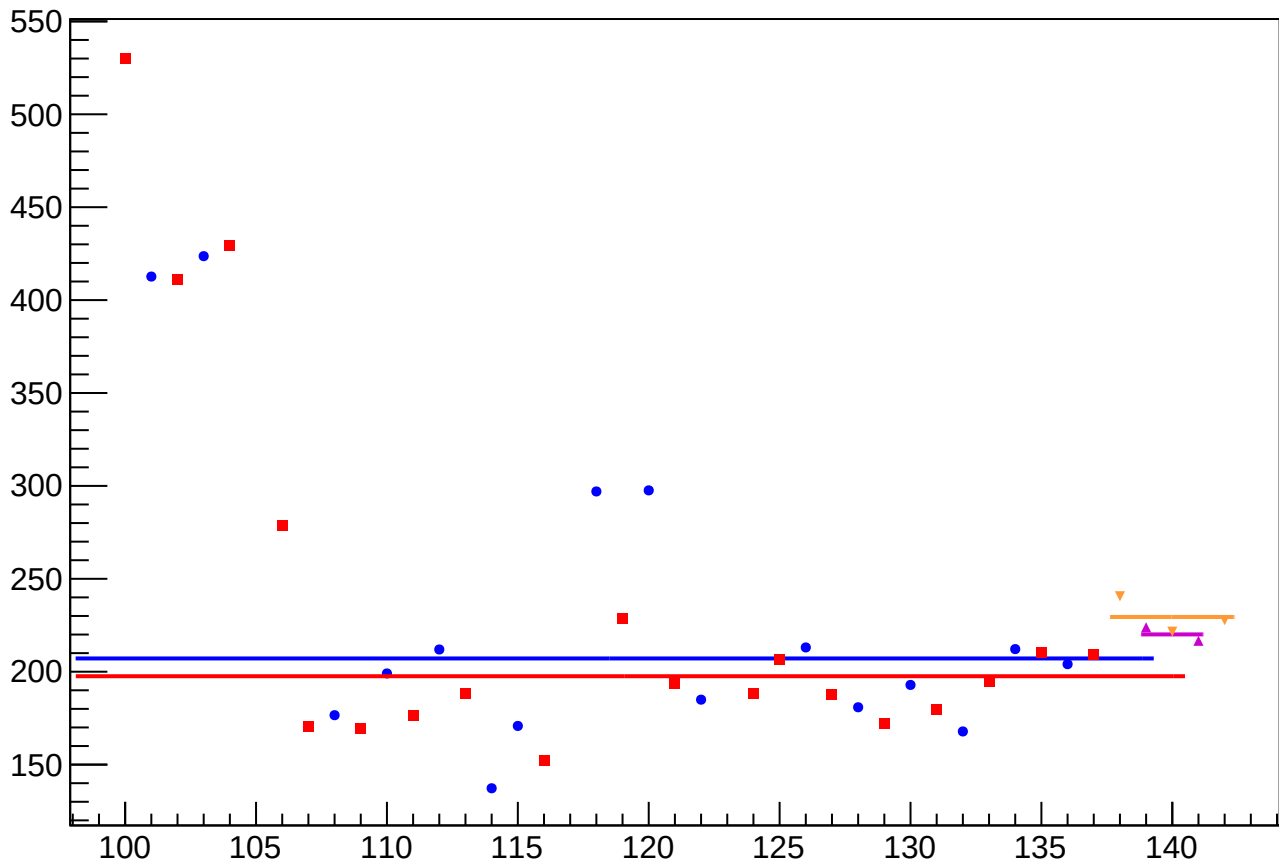
Left In: 136436.198 $\pm$ 0.168 χ^2 /NDF: 17346779.2/1

+ sign 146248.725 $\pm$ 0.073 χ^2 /NDF: 4103876114.7

All: 146250.102 $\pm$ 0.050 χ^2 /NDF: 851494292

- sign 146251.351 $\pm$ 0.070 χ^2 /NDF: 4411066140.5

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF : 972216.9/15

Left Out: 229.462+/-0.115 χ^2/NDF : 5326.5/2

Right Out: 197.571+/-0.054 χ^2/NDF : 903999.3/18

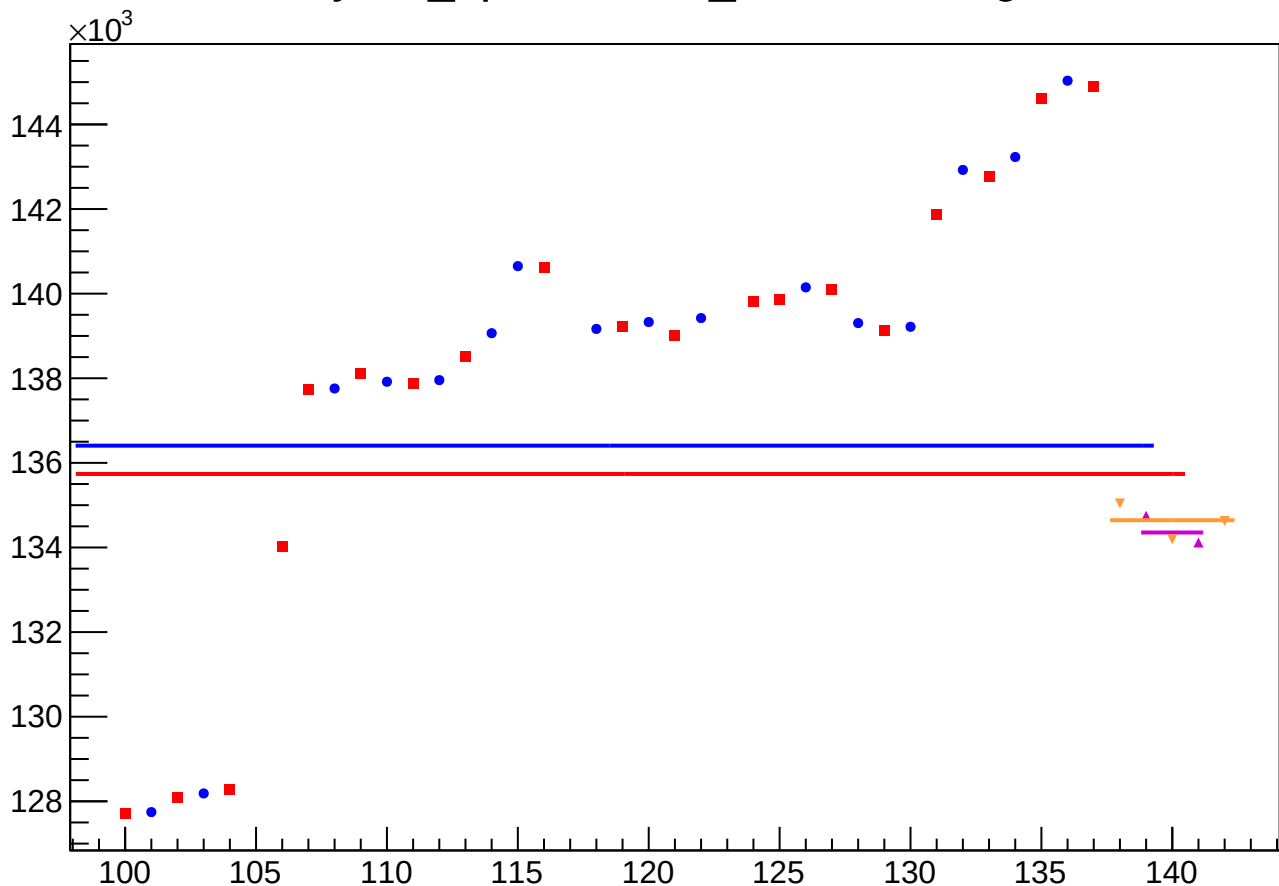
Left In: 220.077+/-0.119 χ^2/NDF : 923.8/1

+ sign 211.640+/-0.052 χ^2/NDF : 1007506.0/18

All: 206.286+/-0.036 χ^2/NDF : 1962422.1/39

- sign 201.429+/-0.049 χ^2/NDF : 934514.9/20

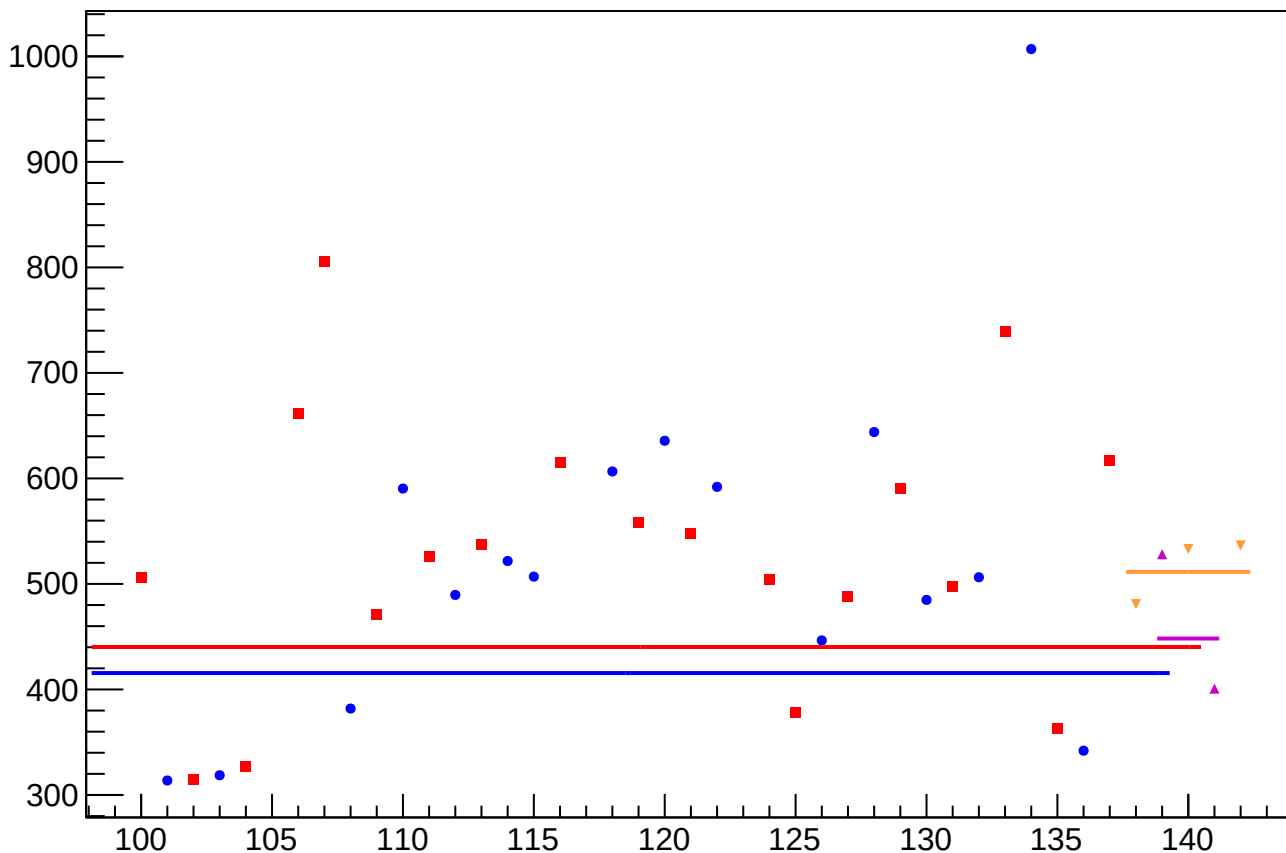
yield_bpm0l03WS_mean vs Slug



Right In: 136406.923 ± 0.169 $\chi^2/\text{NDF}: 1577071044.7/15$
 Left Out: 134644.341 ± 0.374 $\chi^2/\text{NDF}: 1012031.3/2$
 Right Out: 135738.412 ± 0.177 $\chi^2/\text{NDF}: 1174123878.0/18$
 Left In: 134353.931 ± 0.394 $\chi^2/\text{NDF}: 600089.9/1$

+ sign 136109.361 ± 0.154 $\chi^2/\text{NDF}: 1596538955.6$
 All: 135822.204 ± 0.111 $\chi^2/\text{NDF}: 278888743$
 - sign 135506.346 ± 0.161 $\chi^2/\text{NDF}: 1185017489.1/1$

yield_bpm0l03WS_rms vs Slug



Right In: 415.547 $\pm$ 0.119 χ^2 /NDF: 1031600.7/15

Left Out: 511.444 $\pm$ 0.264 χ^2 /NDF:10025.4/2

Right Out: 440.218 $\pm$ 0.125 χ^2 /NDF: 910790.1/18

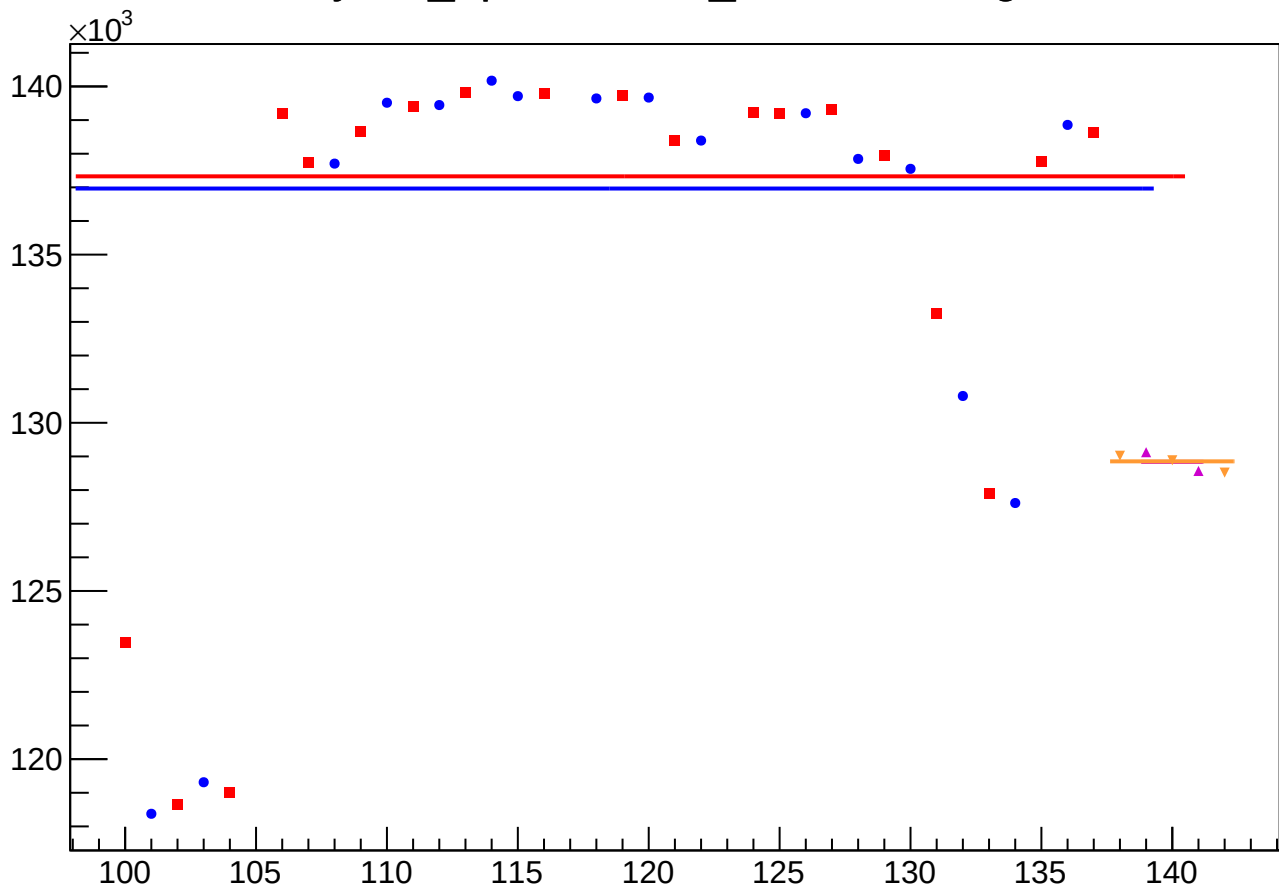
Left In: 448.264 $\pm$ 0.278 χ^2 /NDF:48966.4/1

+ sign 431.737 $\pm$ 0.109 χ^2 /NDF: 1150889.9/18

All: 436.418 $\pm$ 0.079 χ^2 /NDF: 2115237.5/39

- sign 441.566 $\pm$ 0.114 χ^2 /NDF: 960451.8/20

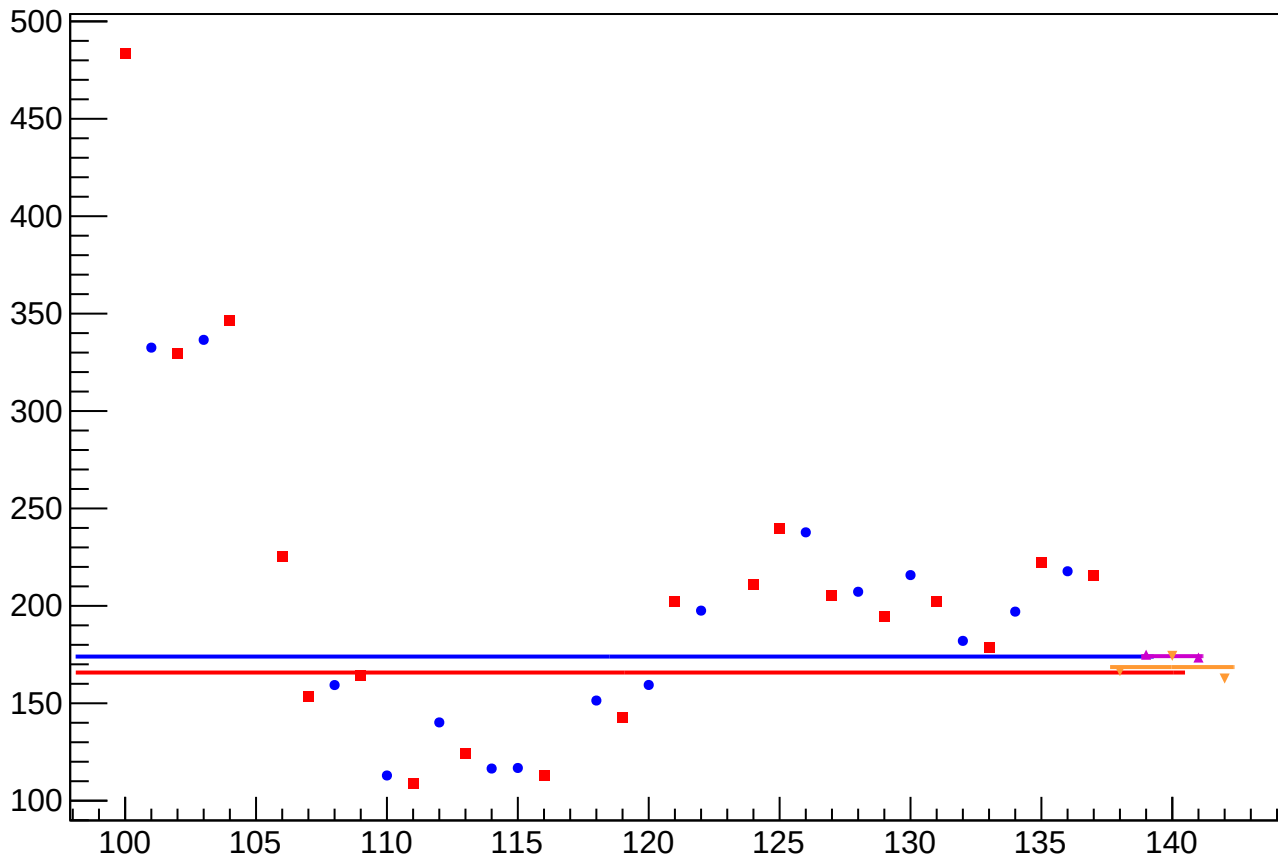
yield_bpm0l04WS_mean vs Slug



Right In: 136964.958 $\pm$ 0.070 χ^2 /NDF: 5807770301.4/15
 Left Out: 128853.503 $\pm$ 0.120 χ^2 /NDF: 2580950.3/2
 Right Out: 137327.469 $\pm$ 0.066 χ^2 /NDF: 5737745895.7/18
 Left In: 128838.202 $\pm$ 0.133 χ^2 /NDF: 4370733.1/1

+ sign 134914.484 $\pm$ 0.060 χ^2 /NDF: 9231302349.1
 All: 135301.670 $\pm$ 0.042 χ^2 /NDF: 183186779
 - sign 135671.149 $\pm$ 0.059 χ^2 /NDF: 9006731433.3/

yield_bpm0l04WS_rms vs Slug



Right In: 173.982 $\pm$ 0.049 χ^2 /NDF: 1188493.1/15

Left Out: 168.588 $\pm$ 0.085 χ^2 /NDF:3100.0/2

Right Out: 165.780 $\pm$ 0.046 χ^2 /NDF: 1433162.4/18

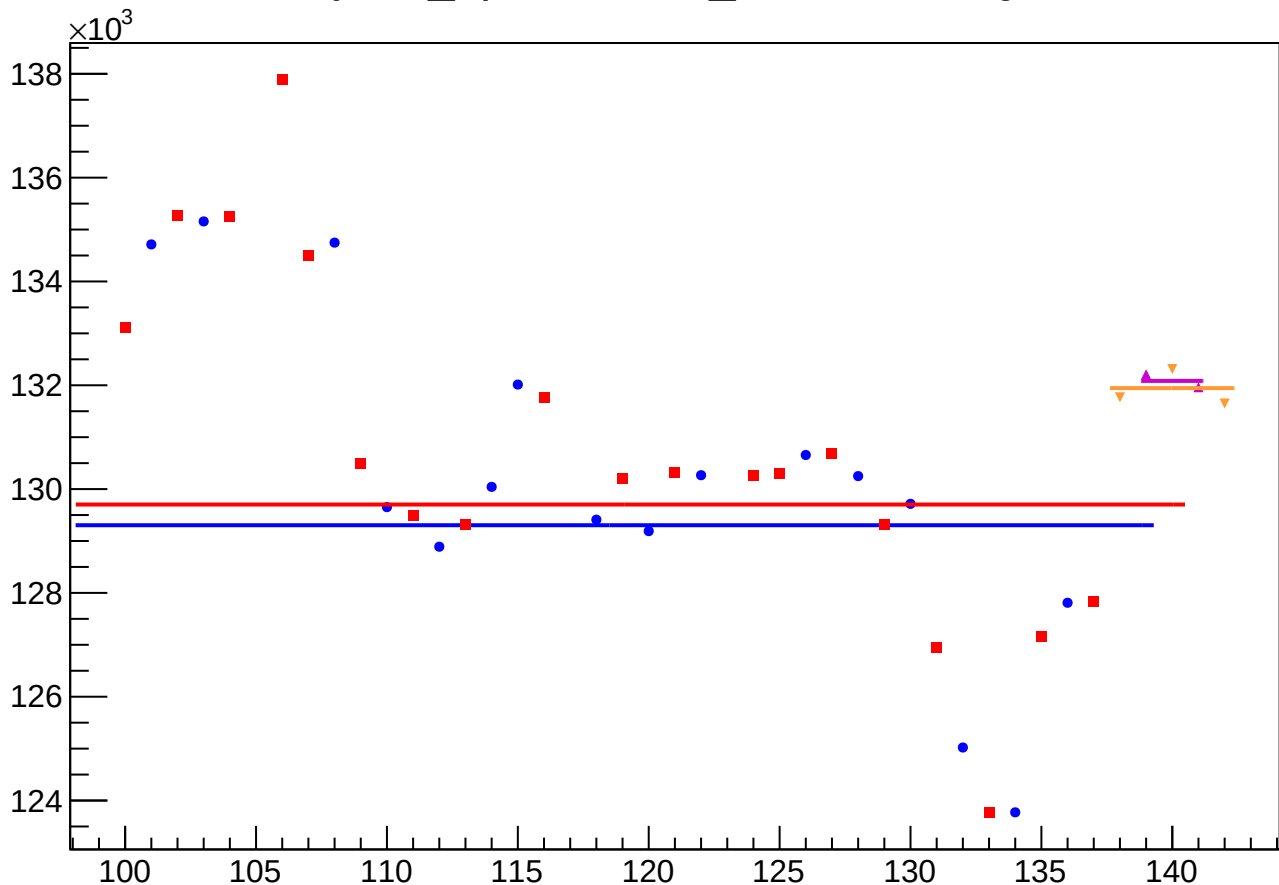
Left In: 174.192 $\pm$ 0.094 χ^2 /NDF:59.0/1

+ sign 172.618 $\pm$ 0.043 χ^2 /NDF: 1194618.1/18

All: 169.959 $\pm$ 0.030 χ^2 /NDF: 2641858.0/39

- sign 167.422 $\pm$ 0.042 χ^2 /NDF: 1439632.4/20

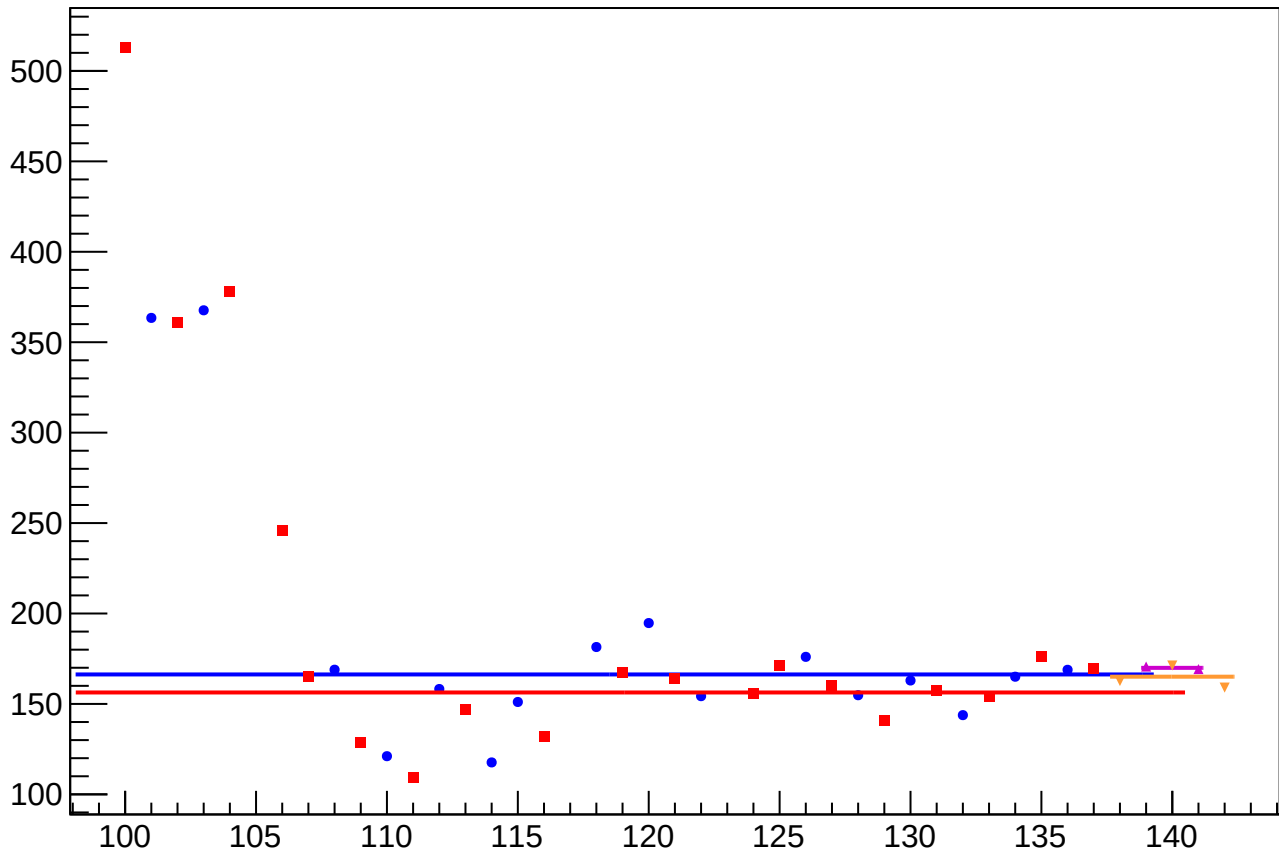
yield_bpm0l05WS_mean vs Slug



Right In: 129303.894 ± 0.066 χ^2/NDF : 1650235360.7/15
 Left Out: 131945.758 ± 0.118 χ^2/NDF : 6044647.1/2
 Right Out: 129702.568 ± 0.062 χ^2/NDF : 1777723481.2/18
 Left In: 132083.984 ± 0.130 χ^2/NDF : 915437.1/1

+ sign 129939.168 ± 0.058 χ^2/NDF : 2039230157.1
 All: 130042.276 ± 0.040 χ^2/NDF : 409789934
 - sign 130138.137 ± 0.056 χ^2/NDF : 2052506075.8/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302 $\pm$ 0.047 χ^2 /NDF: 937947.6/15

Left Out: 165.063 $\pm$ 0.083 χ^2 /NDF:3623.3/2

Right Out: 156.334 $\pm$ 0.044 χ^2 /NDF: 1172834.9/18

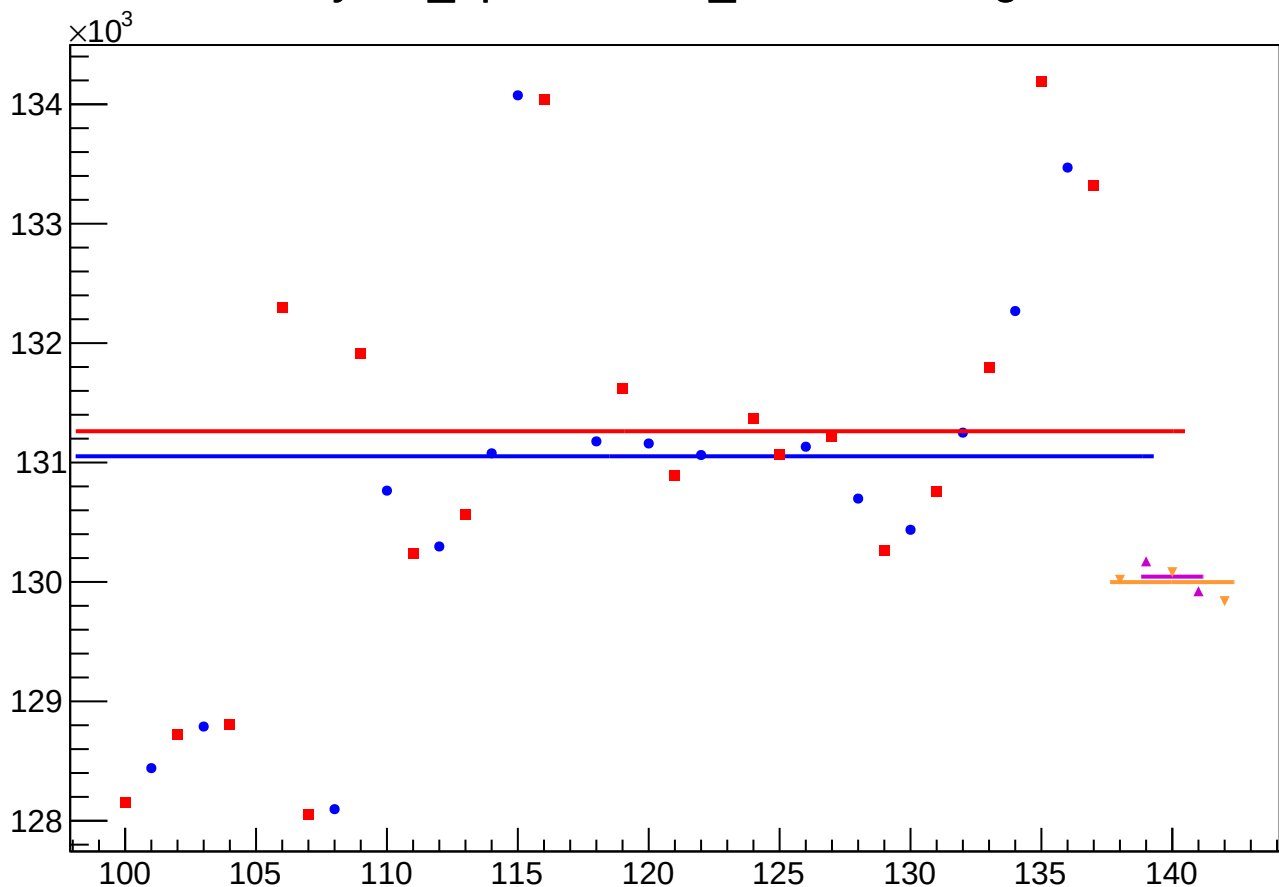
Left In: 169.946 $\pm$ 0.092 χ^2 /NDF:58.7/1

+ sign 166.004 $\pm$ 0.041 χ^2 /NDF: 941739.6/18

All: 162.283 $\pm$ 0.028 χ^2 /NDF: 2148582.8/39

- sign 158.824 $\pm$ 0.039 χ^2 /NDF: 1190790.0/20

yield_bpm0l06WS_mean vs Slug



Right In: 131052.422 $\pm$ 0.061 χ^2 /NDF: 523713045.8/15

Left Out: 129998.664 $\pm$ 0.112 χ^2 /NDF: 688203.6/2

Right Out: 131262.232 $\pm$ 0.057 χ^2 /NDF: 604278186.1/18

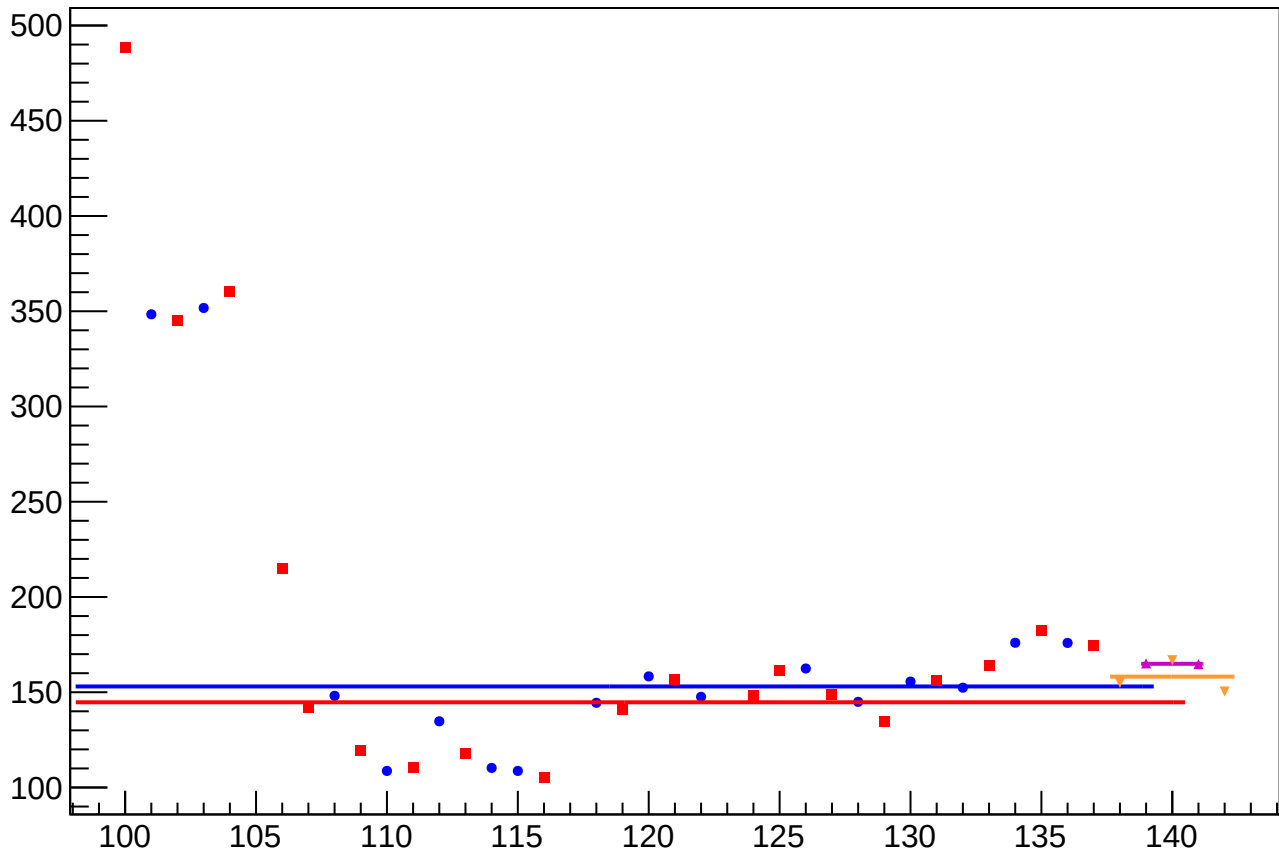
Left In: 130044.419 $\pm$ 0.126 χ^2 /NDF: 985340.1/1

+ sign 130814.751 $\pm$ 0.053 χ^2 /NDF: 592508406.5/1

All: 130940.064 $\pm$ 0.037 χ^2 /NDF: 128606863

- sign 131057.608 $\pm$ 0.052 χ^2 /NDF: 682873946.6/2

yield_bpm0l06WS_rms vs Slug



Right In: 153.043 $\pm$ 0.043 χ^2 /NDF: 1059470.3/15

Left Out: 158.193 $\pm$ 0.079 χ^2 /NDF: 7242.6/2

Right Out: 144.731 $\pm$ 0.040 χ^2 /NDF: 1263423.6/18

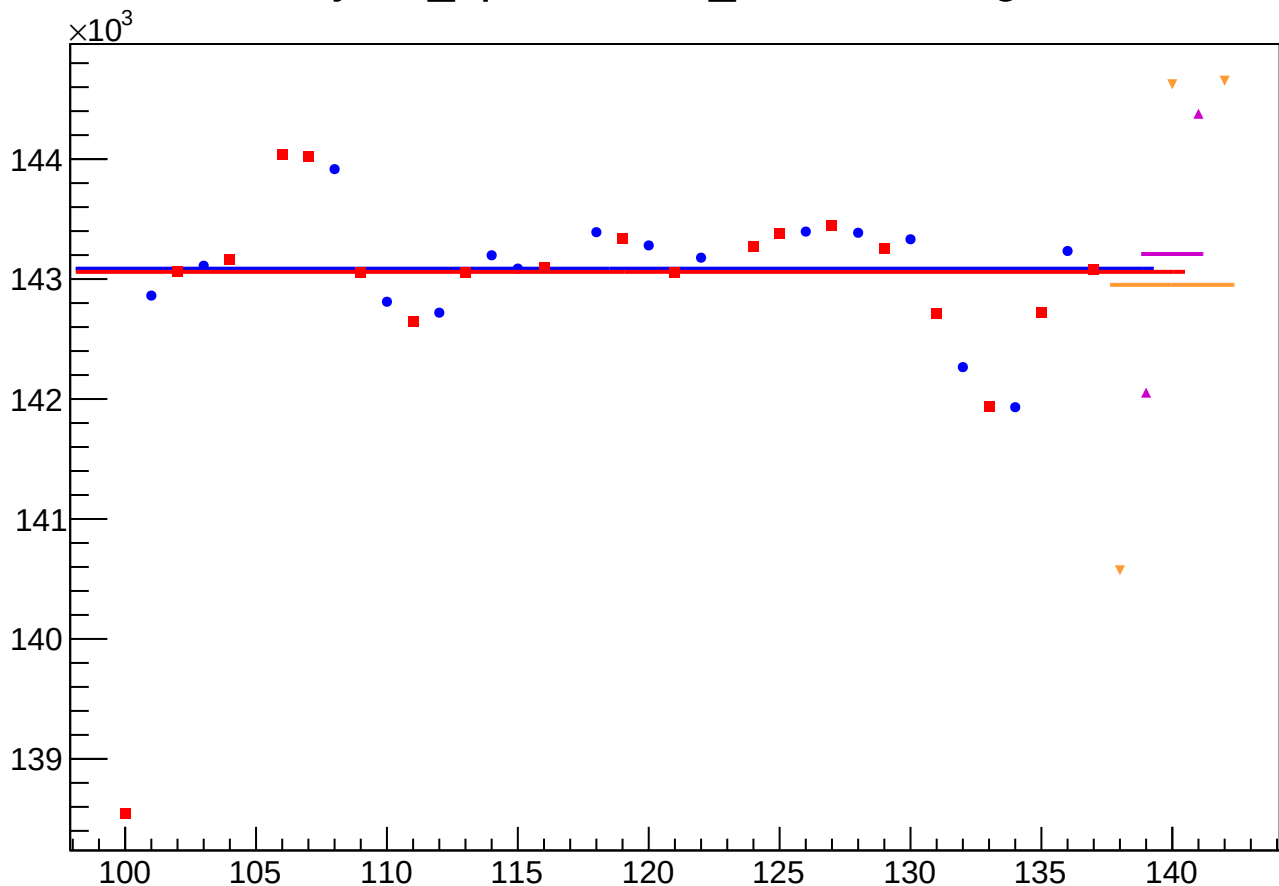
Left In: 164.937 $\pm$ 0.089 χ^2 /NDF: 5.4/1

+ sign 154.204 $\pm$ 0.038 χ^2 /NDF: 1069967.7/18

All: 151.068 $\pm$ 0.026 χ^2 /NDF: 2389519.1/39

- sign 148.126 $\pm$ 0.037 χ^2 /NDF: 1306162.3/20

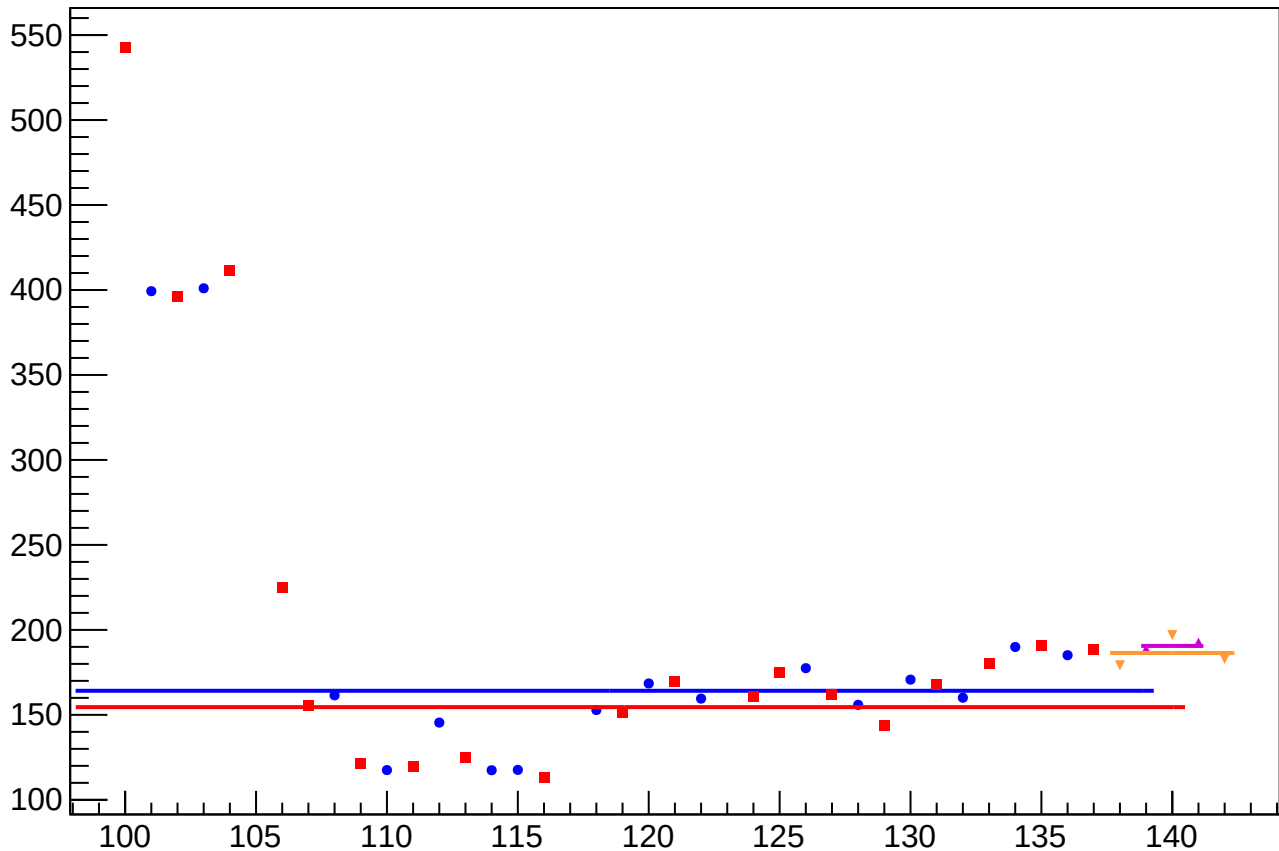
yield_bpm0l07WS_mean vs Slug



Right In: 143086.477 ± 0.065 $\chi^2/\text{NDF}: 46726277.8/15$
 Left Out: 142951.747 ± 0.134 $\chi^2/\text{NDF}: 224497541.5/2$
 Right Out: 143060.268 ± 0.061 $\chi^2/\text{NDF}: 51715744.7/18$
 Left In: 143208.876 ± 0.147 $\chi^2/\text{NDF}: 62909951.2/1$

+ sign 143060.632 ± 0.059 $\chi^2/\text{NDF}: 272045873.0/1$
 All: 143071.774 ± 0.040 $\chi^2/\text{NDF}: 38761882.0/1$
 - sign 143081.998 ± 0.056 $\chi^2/\text{NDF}: 115503407.1/2$

yield_bpm0l07WS_rms vs Slug



Right In: 164.167 $\pm$ 0.046 χ^2 /NDF: 1129764.4/15

Left Out: 186.423 $\pm$ 0.094 χ^2 /NDF: 7213.0/2

Right Out: 154.558 $\pm$ 0.043 χ^2 /NDF: 1366830.5/18

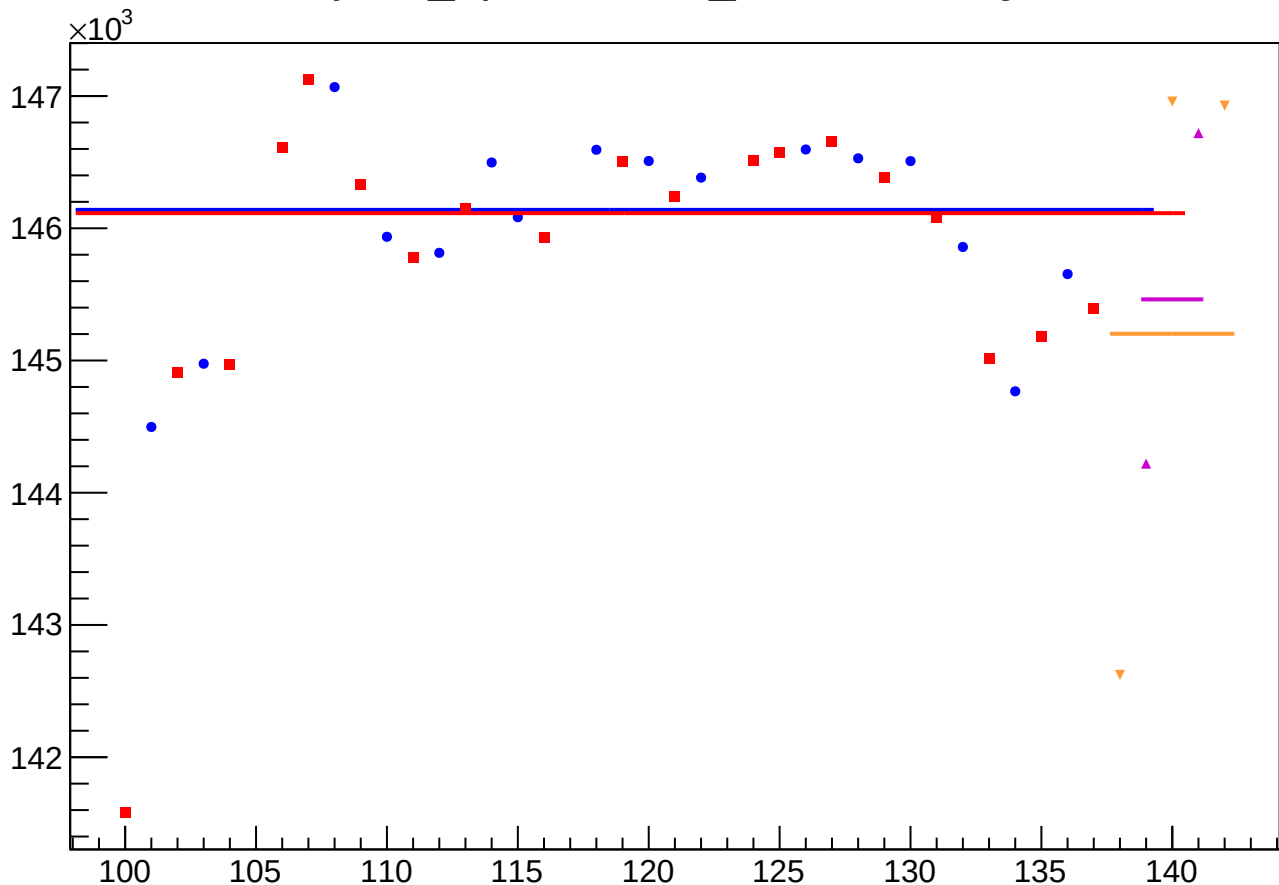
Left In: 190.575 $\pm$ 0.104 χ^2 /NDF: 360.2/1

+ sign 168.436 $\pm$ 0.041 χ^2 /NDF: 1181843.4/18

All: 163.945 $\pm$ 0.029 χ^2 /NDF: 2674745.5/39

- sign 159.824 $\pm$ 0.040 χ^2 /NDF: 1470307.4/20

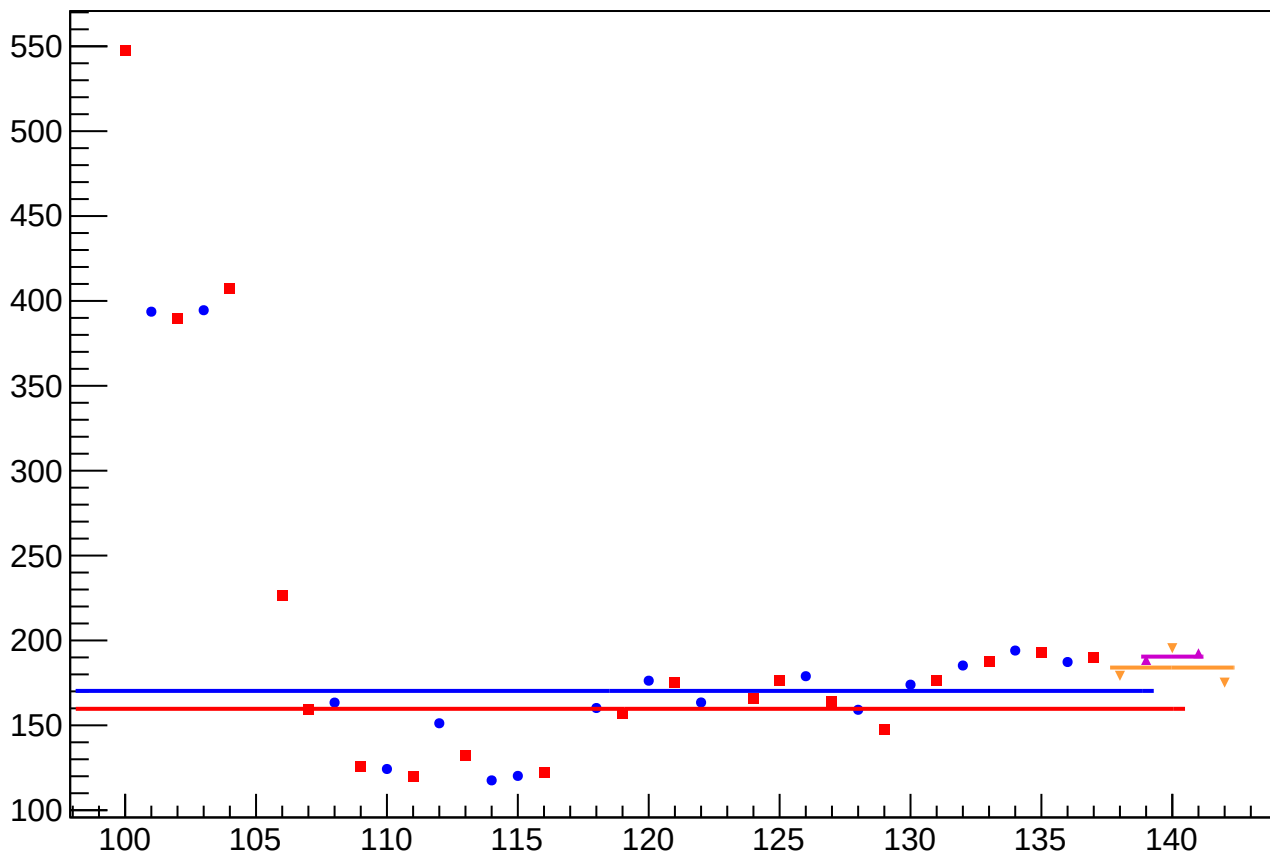
yield_bpm0l08WS_mean vs Slug



Right In: 146139.237 $\pm$ 0.067 χ^2 /NDF: 71721843.8/15
 Left Out: 145202.051 $\pm$ 0.132 χ^2 /NDF: 259754992.4/2
 Right Out: 146114.458 $\pm$ 0.062 χ^2 /NDF: 73102068.4/18
 Left In: 145462.385 $\pm$ 0.146 χ^2 /NDF: 72964200.4/1

+ sign 145944.531 $\pm$ 0.060 χ^2 /NDF: 371655245.0/1
 All: 145980.693 $\pm$ 0.041 χ^2 /NDF: 535219656
 - sign 146013.876 $\pm$ 0.057 χ^2 /NDF: 162867462.0/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF : 1057631.0/15

Left Out: 184.023+/-0.093 χ^2/NDF : 8652.0/2

Right Out: 159.724+/-0.044 χ^2/NDF : 1291290.8/18

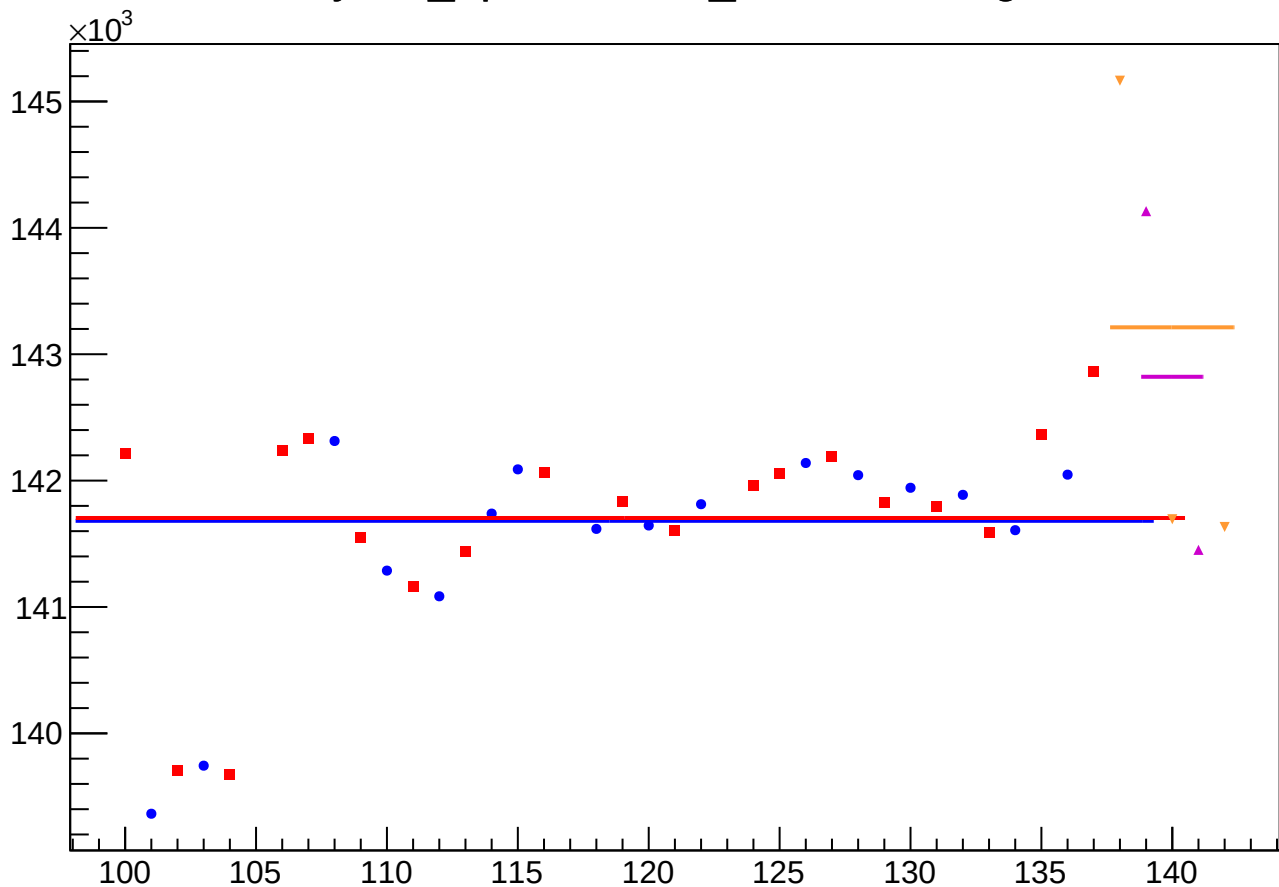
Left In: 190.474+/-0.103 χ^2/NDF : 357.6/1

+ sign 173.134+/-0.042 χ^2/NDF : 1083566.7/18

All: 168.614+/-0.029 χ^2/NDF : 2471715.8/39

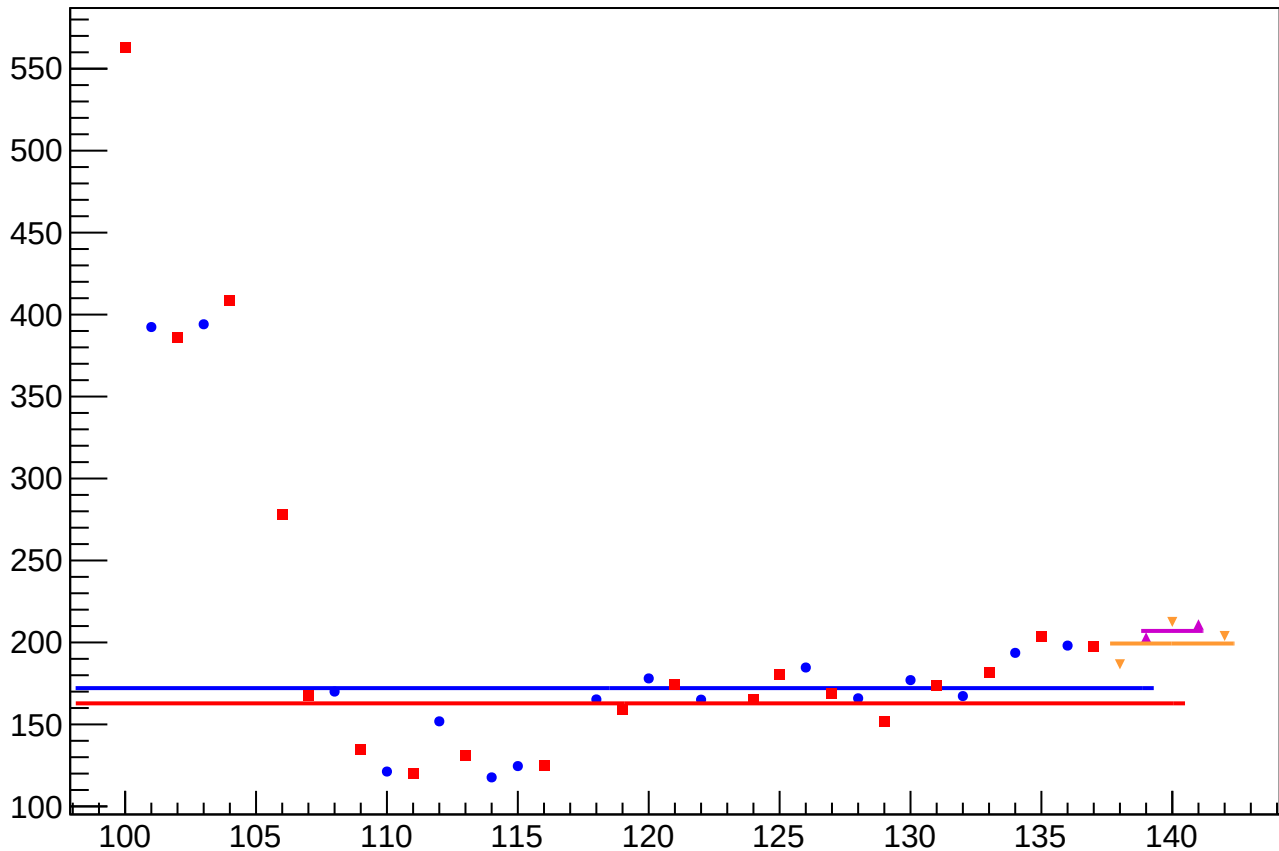
- sign 164.467+/-0.041 χ^2/NDF : 1366374.9/20

yield_bpm0l09WS_mean vs Slug



Right In: 141681.846 $\pm$ 0.068 χ^2/NDF : 64292997.9/15
 Left Out: 143212.904 $\pm$ 0.142 χ^2/NDF : 149316808.7/2
 Right Out: 141704.185 $\pm$ 0.064 χ^2/NDF : 65526811.0/18
 Left In: 142821.549 $\pm$ 0.159 χ^2/NDF : 71081598.5/1

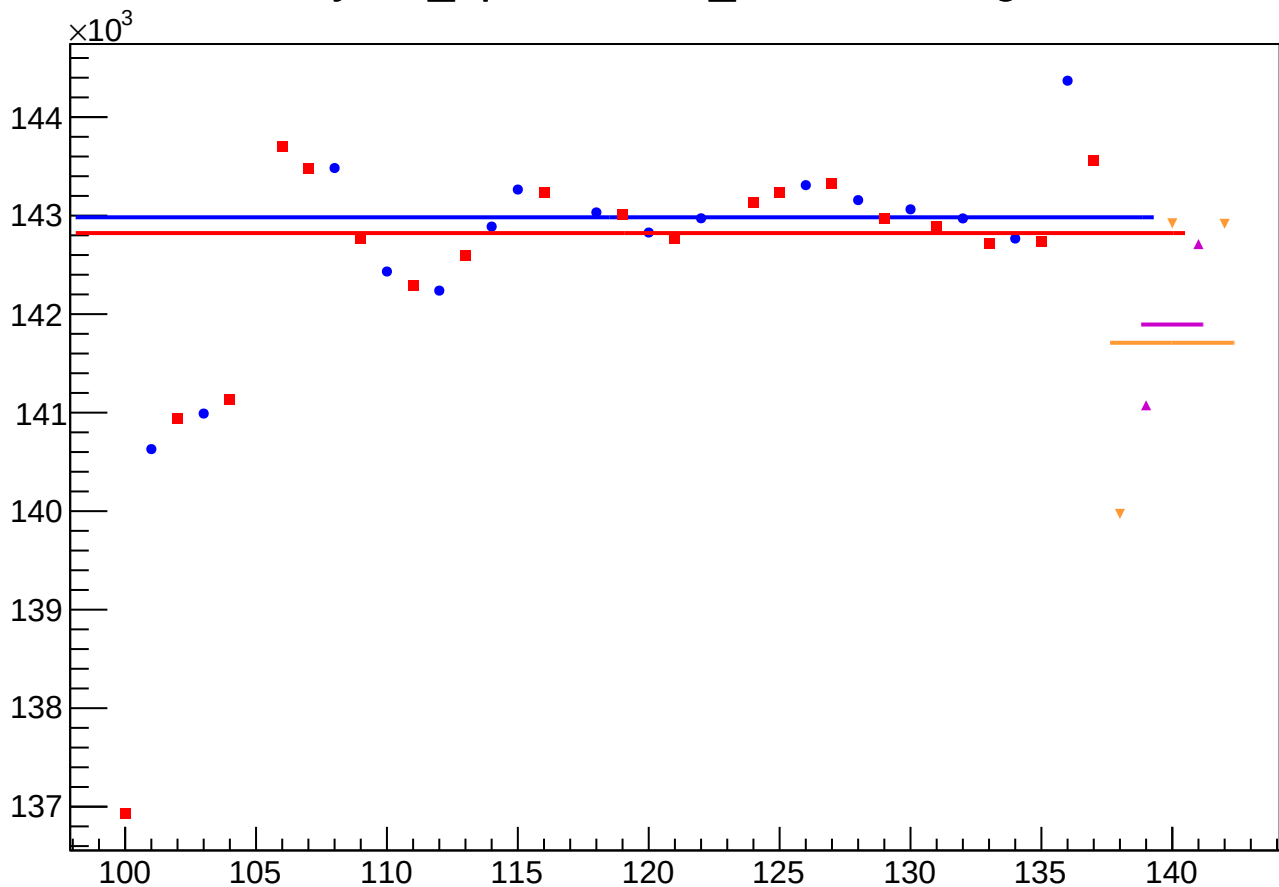
yield_bpm0l09WS_rms vs Slug



Right In: 172.139 ± 0.048 $\chi^2/\text{NDF}: 1068587.8/15$
 Left Out: 199.346 ± 0.100 $\chi^2/\text{NDF}: 13548.1/2$
 Right Out: 162.845 ± 0.045 $\chi^2/\text{NDF}: 1305855.8/18$
 Left In: 207.029 ± 0.112 $\chi^2/\text{NDF}: 1243.8/1$

+ sign 177.251 ± 0.044 $\chi^2/\text{NDF}: 1141819.5/18$
 All: 172.955 ± 0.030 $\chi^2/\text{NDF}: 2600869.7/39$
 - sign 168.978 ± 0.042 $\chi^2/\text{NDF}: 1440270.5/20$

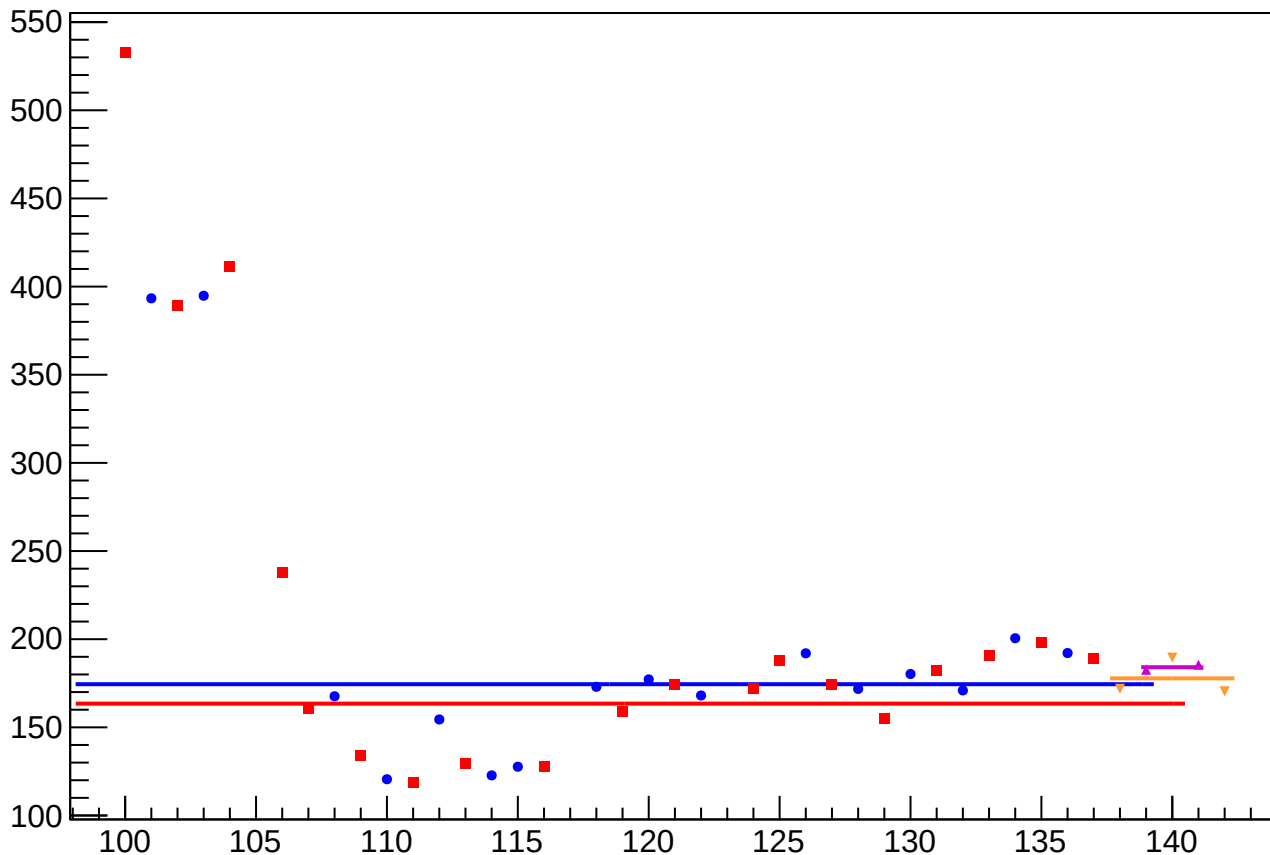
yield_bpm0l10WS_mean vs Slug



Right In: 142983.006 $\pm$ 0.069 χ^2 /NDF: 107696217.2/15
 Left Out: 141709.268 $\pm$ 0.127 χ^2 /NDF: 130944523.0/2
 Right Out: 142822.727 $\pm$ 0.064 χ^2 /NDF: 63581232.6/18
 Left In: 141894.528 $\pm$ 0.141 χ^2 /NDF: 33608583.8/1

+ sign 142690.997 $\pm$ 0.061 χ^2 /NDF: 316514117.6/1
 All: 142677.121 $\pm$ 0.042 χ^2 /NDF: 44966857.1
 - sign 142664.305 $\pm$ 0.058 χ^2 /NDF: 133053851.5/2

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF : 1049126.7/15

Left Out: 177.795+/-0.090 χ^2/NDF : 9480.6/2

Right Out: 163.448+/-0.045 χ^2/NDF : 1282494.1/18

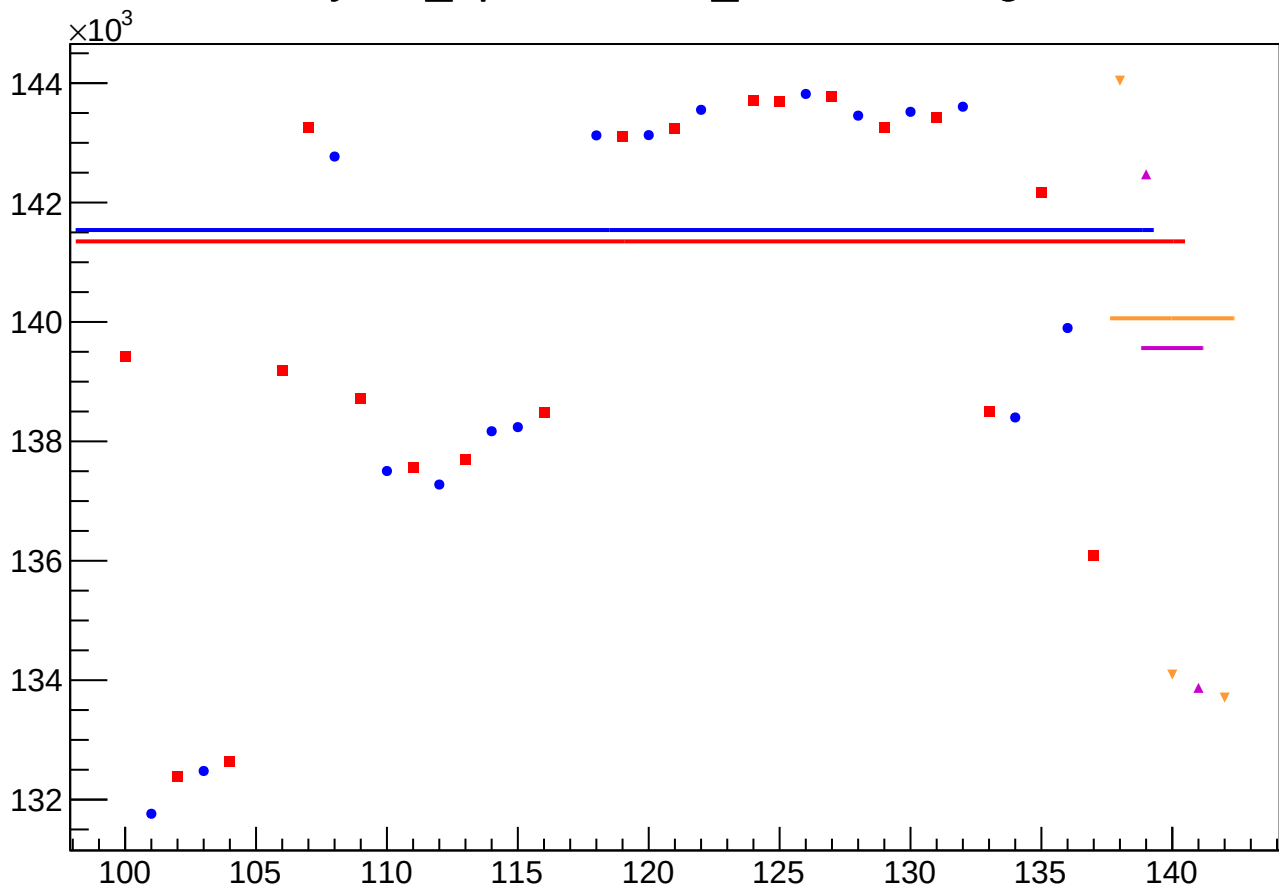
Left In: 184.098+/-0.100 χ^2/NDF : 203.6/1

+ sign 175.230+/-0.043 χ^2/NDF : 1059670.6/18

All: 170.938+/-0.030 χ^2/NDF : 2397126.0/39

- sign 166.973+/-0.041 χ^2/NDF : 1318199.3/20

yield_bpm0r03WS_mean vs Slug



Right In: 141539.467 $\pm$ 0.101 χ^2 /NDF: 947743743.7/15

Left Out: 140061.158 $\pm$ 0.188 χ^2 /NDF: 685714423.3/2

Right Out: 141349.499 $\pm$ 0.101 χ^2 /NDF: 926661757.9/18

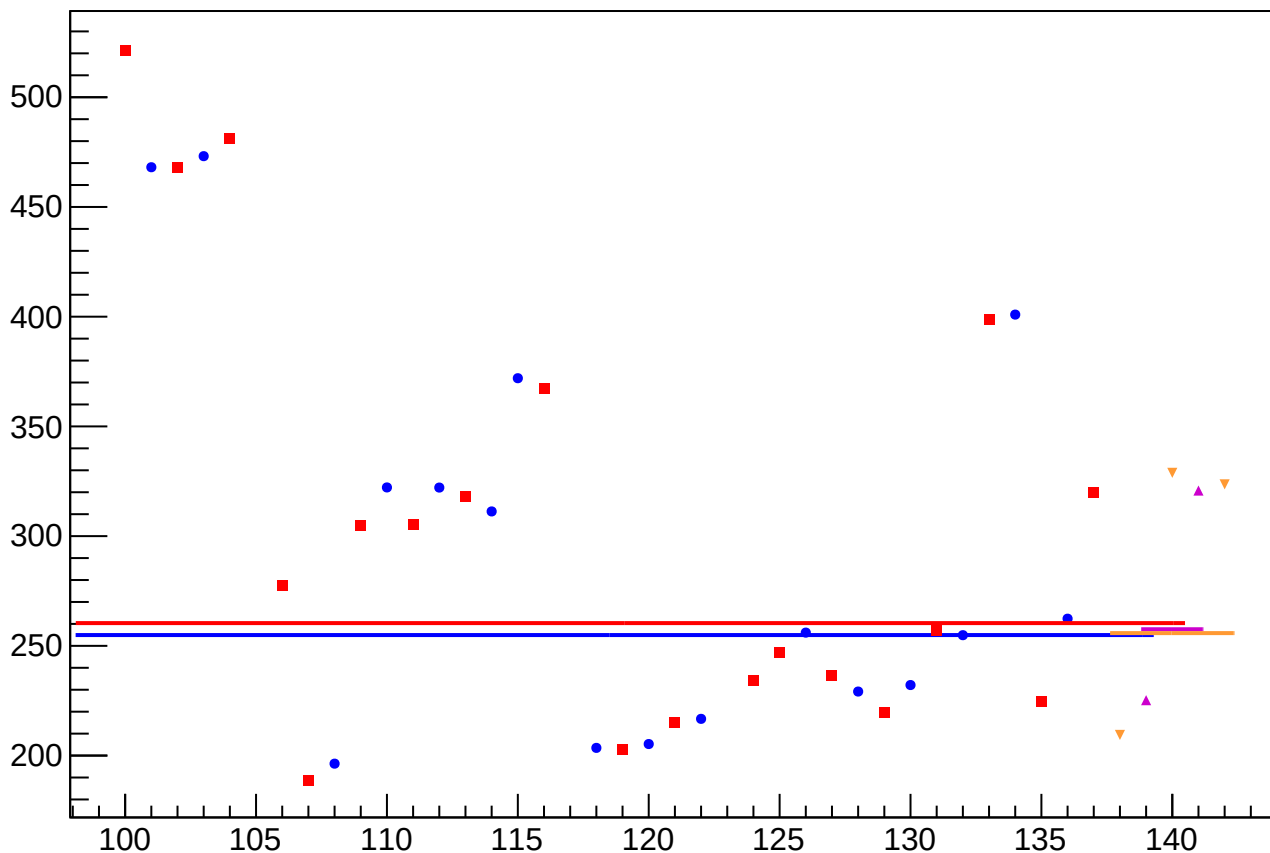
Left In: 139562.865 $\pm$ 0.204 χ^2 /NDF: 399495000.3/1

+ sign 141210.103 $\pm$ 0.089 χ^2 /NDF: 1681368419.9

All: 141105.222 $\pm$ 0.063 χ^2 /NDF: 307213495

- sign 140996.419 $\pm$ 0.091 χ^2 /NDF: 1387929130.8/2

yield_bpm0r03WS_rms vs Slug



Right In: 254.919 $\pm$ 0.071 χ^2 /NDF: 949952.1/15

Left Out: 255.806 $\pm$ 0.133 χ^2 /NDF:186390.0/2

Right Out: 260.369 $\pm$ 0.071 χ^2 /NDF: 993300.6/18

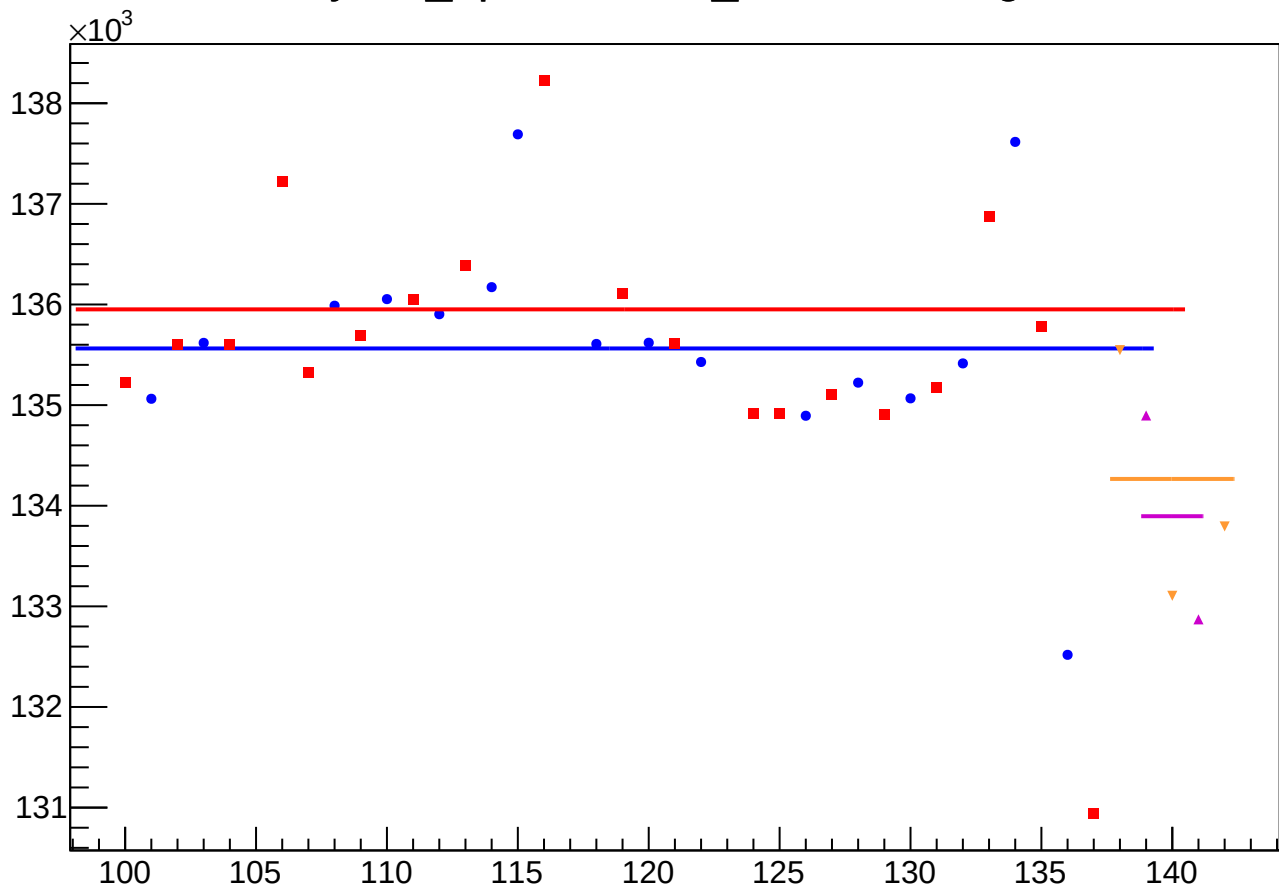
Left In: 257.566 $\pm$ 0.144 χ^2 /NDF:98542.5/1

+ sign 255.117 $\pm$ 0.063 χ^2 /NDF: 1136376.6/18

All: 257.423 $\pm$ 0.045 χ^2 /NDF: 2231266.7/39

- sign 259.815 $\pm$ 0.064 χ^2 /NDF: 1092147.0/20

yield_bpm0r05WS_mean vs Slug



Right In: 135563.062 $\pm$ 0.118 χ^2 /NDF: 94169293.7/15

Left Out: 134266.314 $\pm$ 0.136 χ^2 /NDF: 65799858.4/2

Right Out: 135951.486 $\pm$ 0.106 χ^2 /NDF: 91577209.6/18

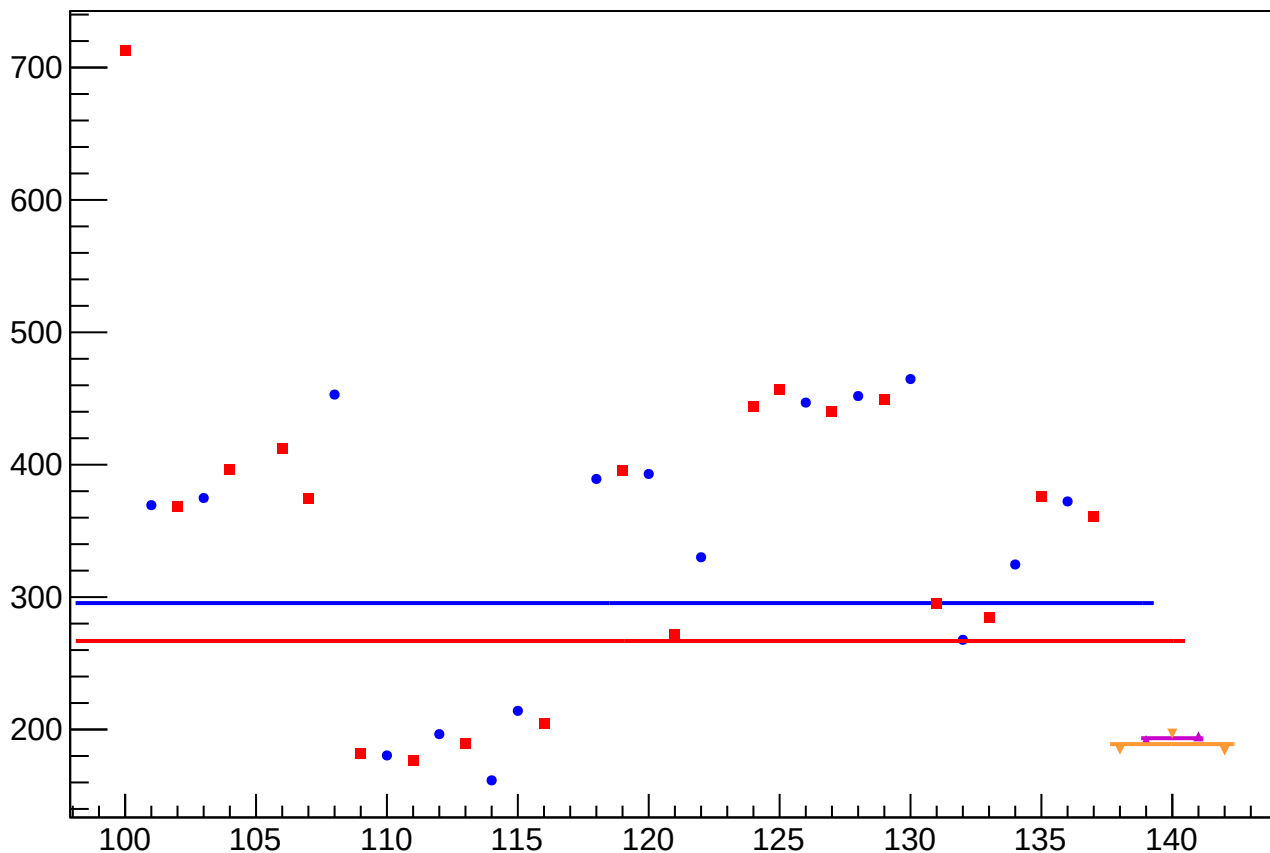
Left In: 133895.839 $\pm$ 0.149 χ^2 /NDF: 46105658.0/1

+ sign 135002.105 $\pm$ 0.089 χ^2 /NDF: 211899408.4/1

All: 135134.156 $\pm$ 0.062 χ^2 /NDF: 479741307

- sign 135258.752 $\pm$ 0.087 χ^2 /NDF: 263577919.5/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF : 1442531.9/15

Left Out: 188.973+/-0.096 χ^2/NDF :3822.6/2

Right Out: 266.864+/-0.075 χ^2/NDF : 1678073.6/18

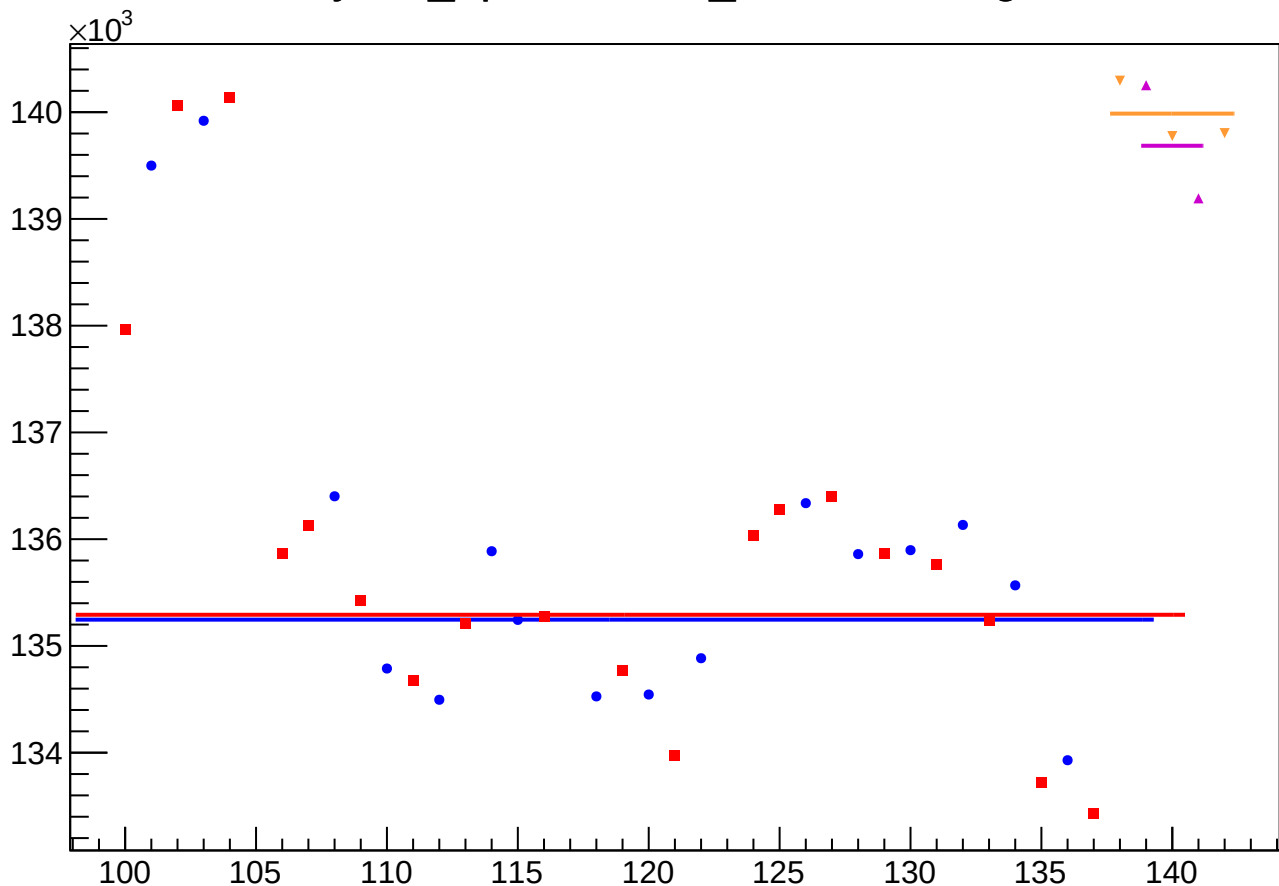
Left In: 193.422+/-0.105 χ^2/NDF :178.0/1

+ sign 249.407+/-0.063 χ^2/NDF : 2147008.6/18

All: 245.655+/-0.044 χ^2/NDF : 4153532.7/39

- sign 242.115+/-0.061 χ^2/NDF : 1999638.5/20

yield_bpm0i02WS_mean vs Slug



Right In: 135246.269 $\pm$ 0.055 χ^2 /NDF: 388384719.1/15

Left Out: 139986.429 $\pm$ 0.126 χ^2 /NDF: 3873377.5/2

Right Out: 135291.851 $\pm$ 0.052 χ^2 /NDF: 381790556.0/18

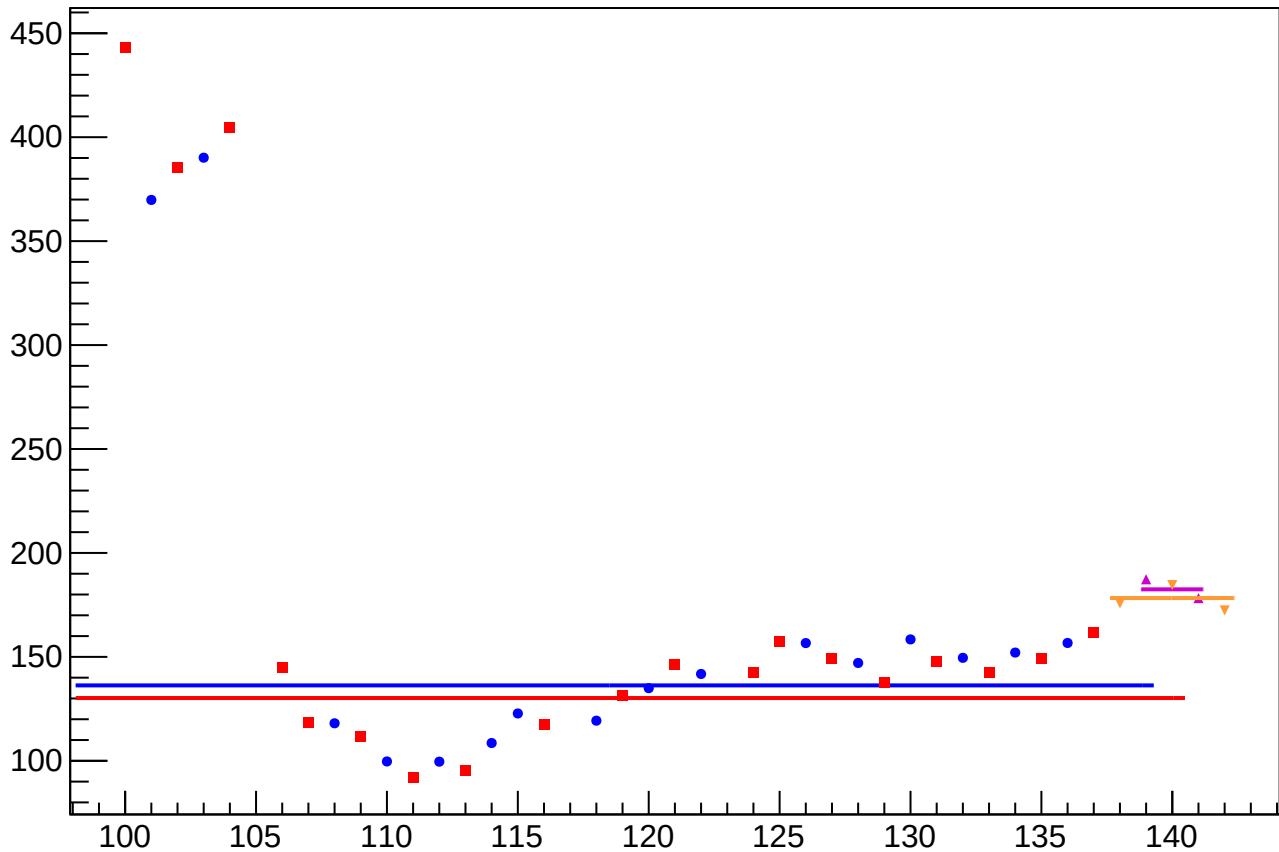
Left In: 139685.403 $\pm$ 0.139 χ^2 /NDF: 14351704.0/1

+ sign 135995.155 $\pm$ 0.050 χ^2 /NDF: 1577720963.9

All: 135906.312 $\pm$ 0.035 χ^2 /NDF: 285190230

- sign 135823.364 $\pm$ 0.049 χ^2 /NDF: 1268128121.5

yield_bpm0i02WS_rms vs Slug



Right In: 136.285 $\pm$ 0.039 χ^2 /NDF: 1384057.4/15

Left Out: 178.305 $\pm$ 0.089 χ^2 /NDF:3173.3/2

Right Out: 130.206 $\pm$ 0.037 χ^2 /NDF: 1520840.8/18

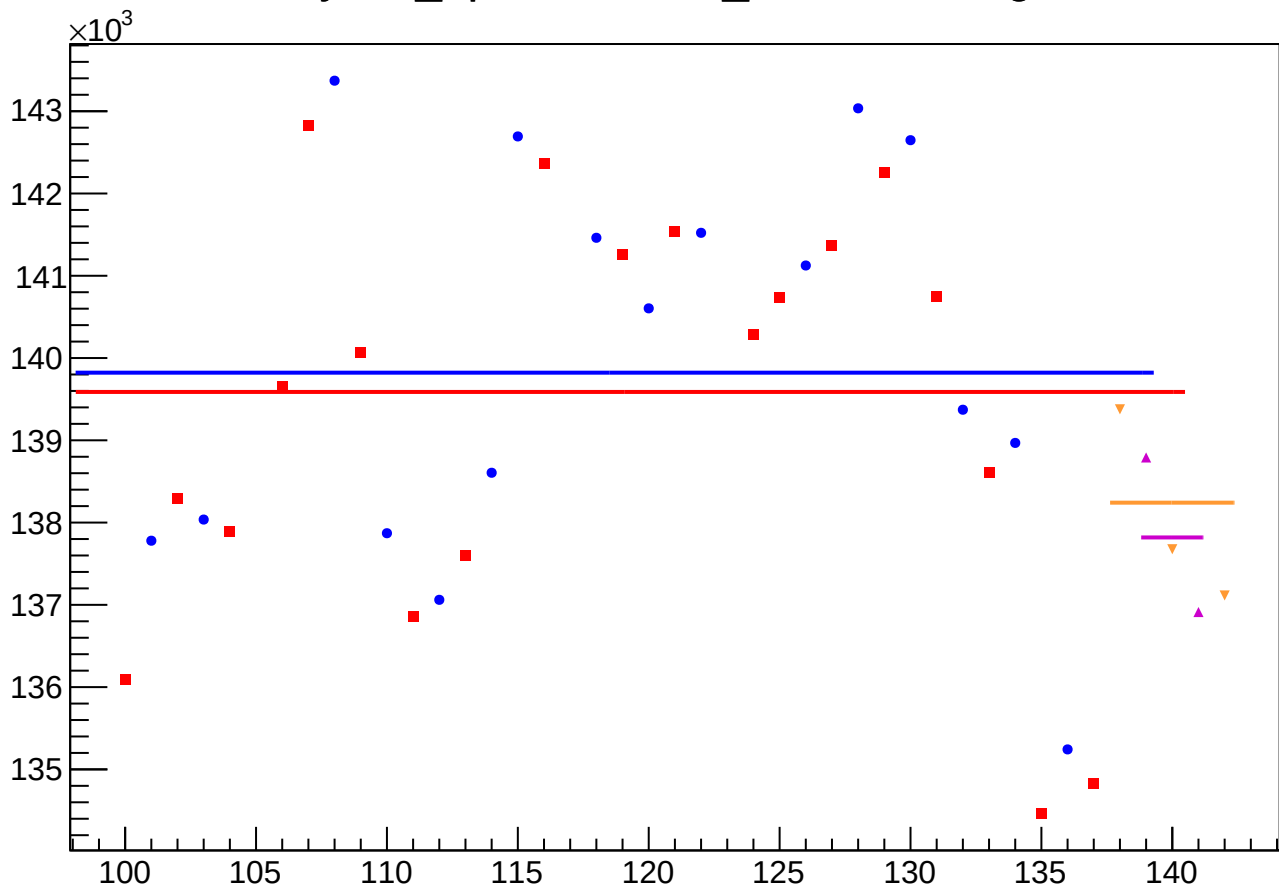
Left In: 182.487 $\pm$ 0.099 χ^2 /NDF:2093.2/1

+ sign 142.924 $\pm$ 0.036 χ^2 /NDF: 1573545.4/18

All: 139.617 $\pm$ 0.025 χ^2 /NDF: 3360194.1/39

- sign 136.531 $\pm$ 0.034 χ^2 /NDF: 1769882.7/20

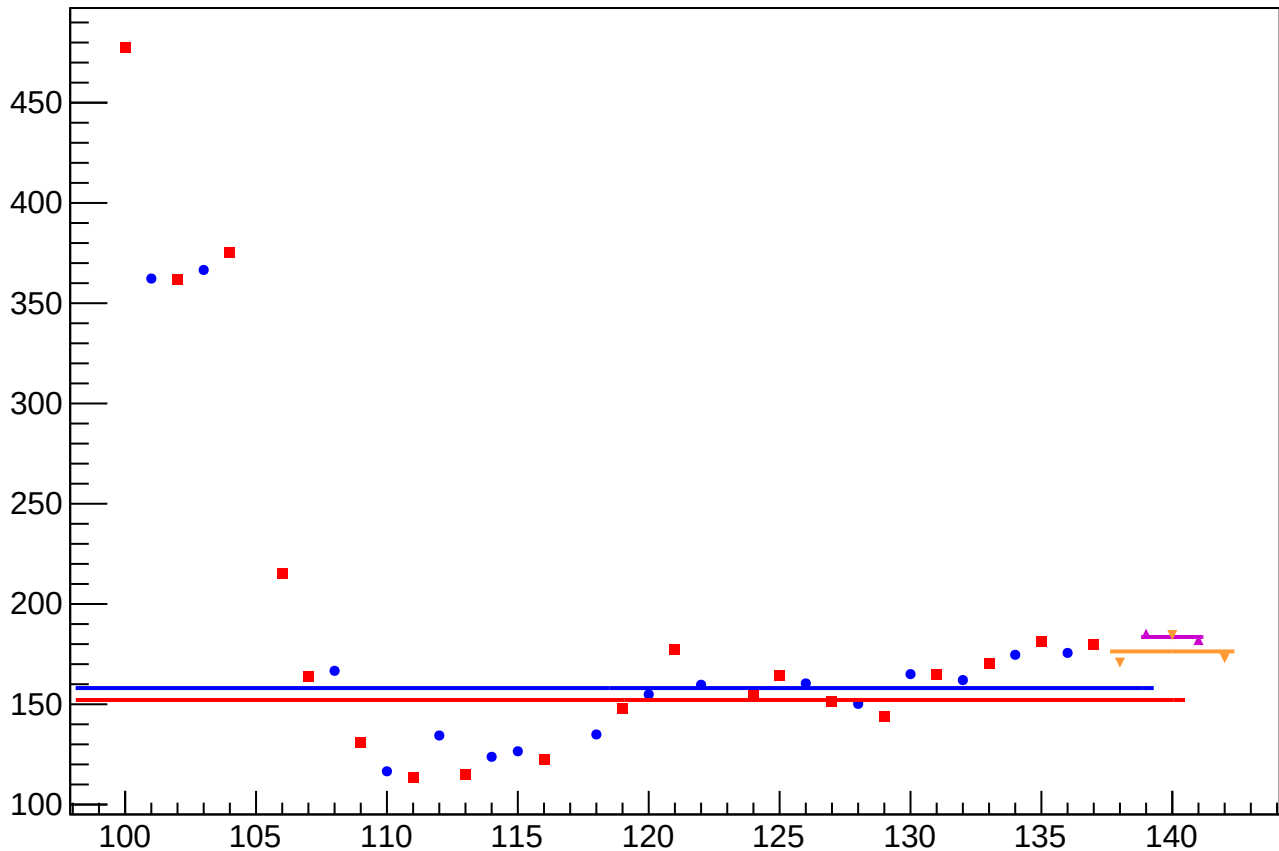
yield_bpm0i02aWS_mean vs Slug



Right In: 139822.122 ± 0.063 $\chi^2/\text{NDF}: 1663381581.4/15$
 Left Out: 138242.066 ± 0.126 $\chi^2/\text{NDF}: 58752717.2/2$
 Right Out: 139587.876 ± 0.060 $\chi^2/\text{NDF}: 1482934186.2/18$
 Left In: 137819.209 ± 0.141 $\chi^2/\text{NDF}: 44584425.8/1$

+ sign 139507.423 ± 0.056 $\chi^2/\text{NDF}: 1849055505.7$
 All: 139410.681 ± 0.039 $\chi^2/\text{NDF}: 351648460$
 - sign 139317.501 ± 0.055 $\chi^2/\text{NDF}: 1661572905.0$

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079 $\pm$ 0.044 χ^2 /NDF: 1017928.9/15

Left Out: 176.357 $\pm$ 0.089 χ^2 /NDF:5076.5/2

Right Out: 152.139 $\pm$ 0.042 χ^2 /NDF: 1229053.9/18

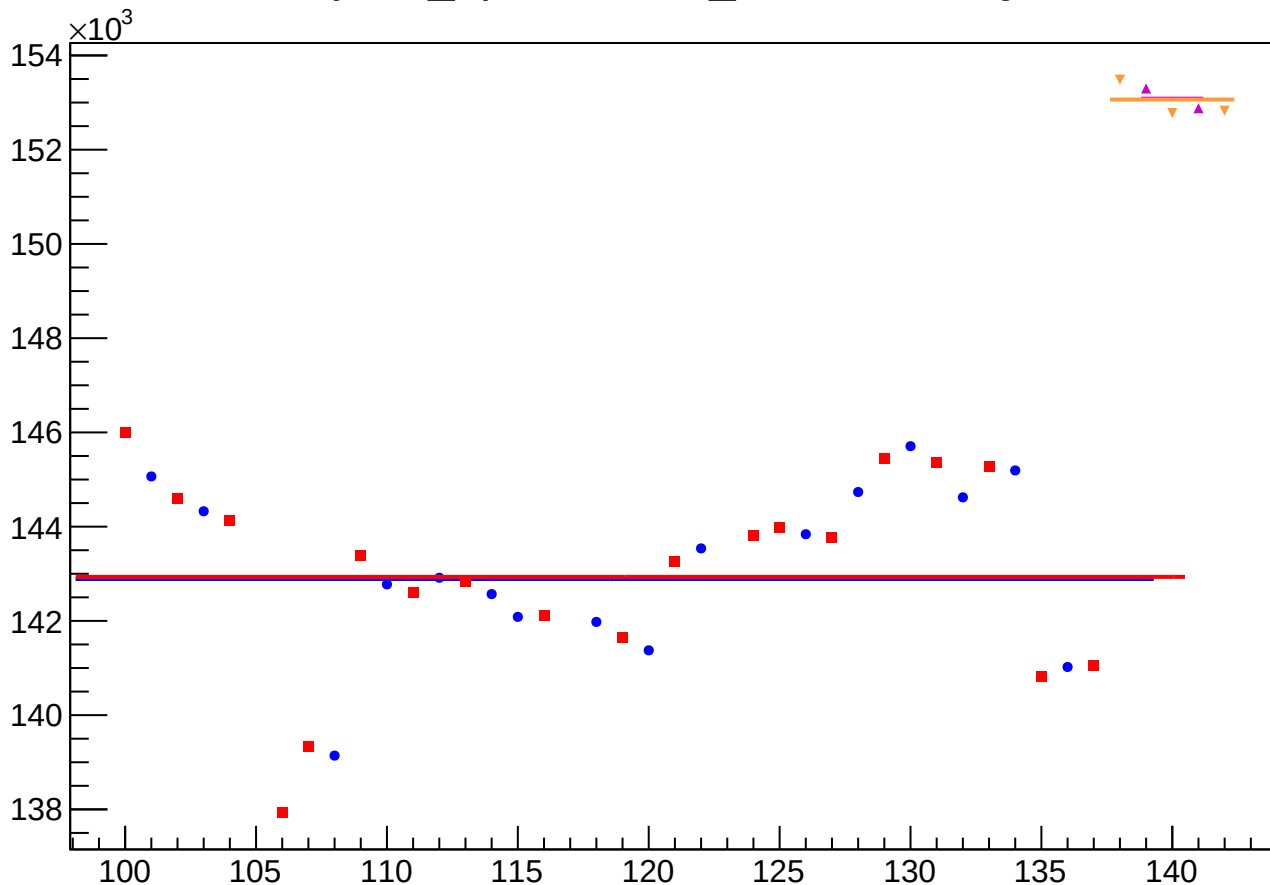
Left In: 183.554 $\pm$ 0.099 χ^2 /NDF:241.5/1

+ sign 161.720 $\pm$ 0.040 χ^2 /NDF: 1056974.0/18

All: 159.286 $\pm$ 0.028 χ^2 /NDF: 2378268.6/39

- sign 156.941 $\pm$ 0.039 χ^2 /NDF: 1313880.4/20

yield_bpm0i05WS_mean vs Slug



Right In: 142889.386 $\pm$ 0.066 χ^2/NDF : 763303771.6/15

Left Out: 153064.197 $\pm$ 0.132 χ^2/NDF : 6512489.2/2

Right Out: 142933.890 $\pm$ 0.062 χ^2/NDF : 787386856.4/18

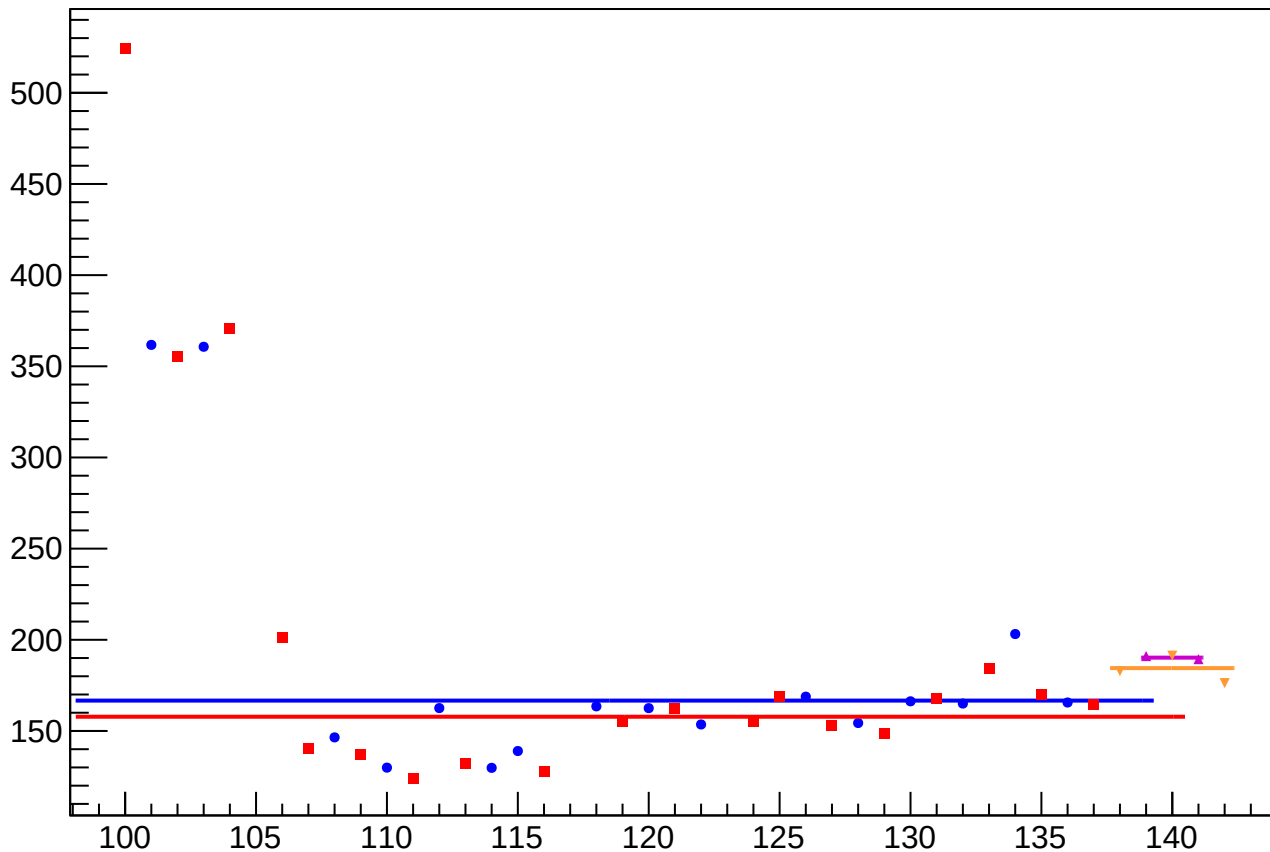
Left In: 153082.890 $\pm$ 0.146 χ^2/NDF : 2062512.8/1

+ sign 144915.412 $\pm$ 0.059 χ^2/NDF : 5547771312.7

All: 144683.508 $\pm$ 0.041 χ^2/NDF : 104782554

- sign 144467.774 $\pm$ 0.057 χ^2/NDF : 4900441461.9

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF : 863574.7/15

Left Out: 184.474+/-0.093 χ^2/NDF : 3982.8/2

Right Out: 157.809+/-0.044 χ^2/NDF : 1022332.1/18

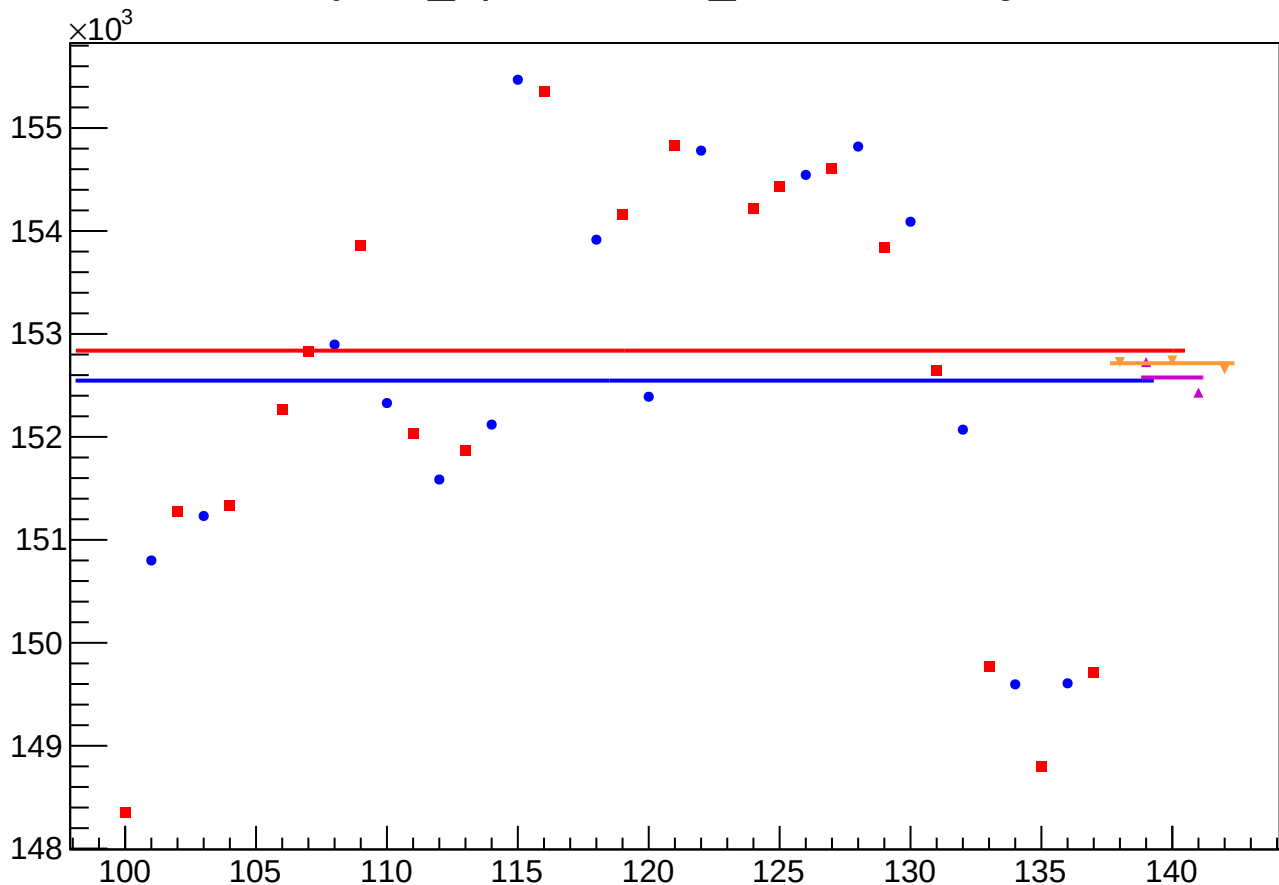
Left In: 190.217+/-0.103 χ^2/NDF : 67.8/1

+ sign 170.204+/-0.042 χ^2/NDF : 896859.6/18

All: 166.320+/-0.029 χ^2/NDF : 2019952.4/39

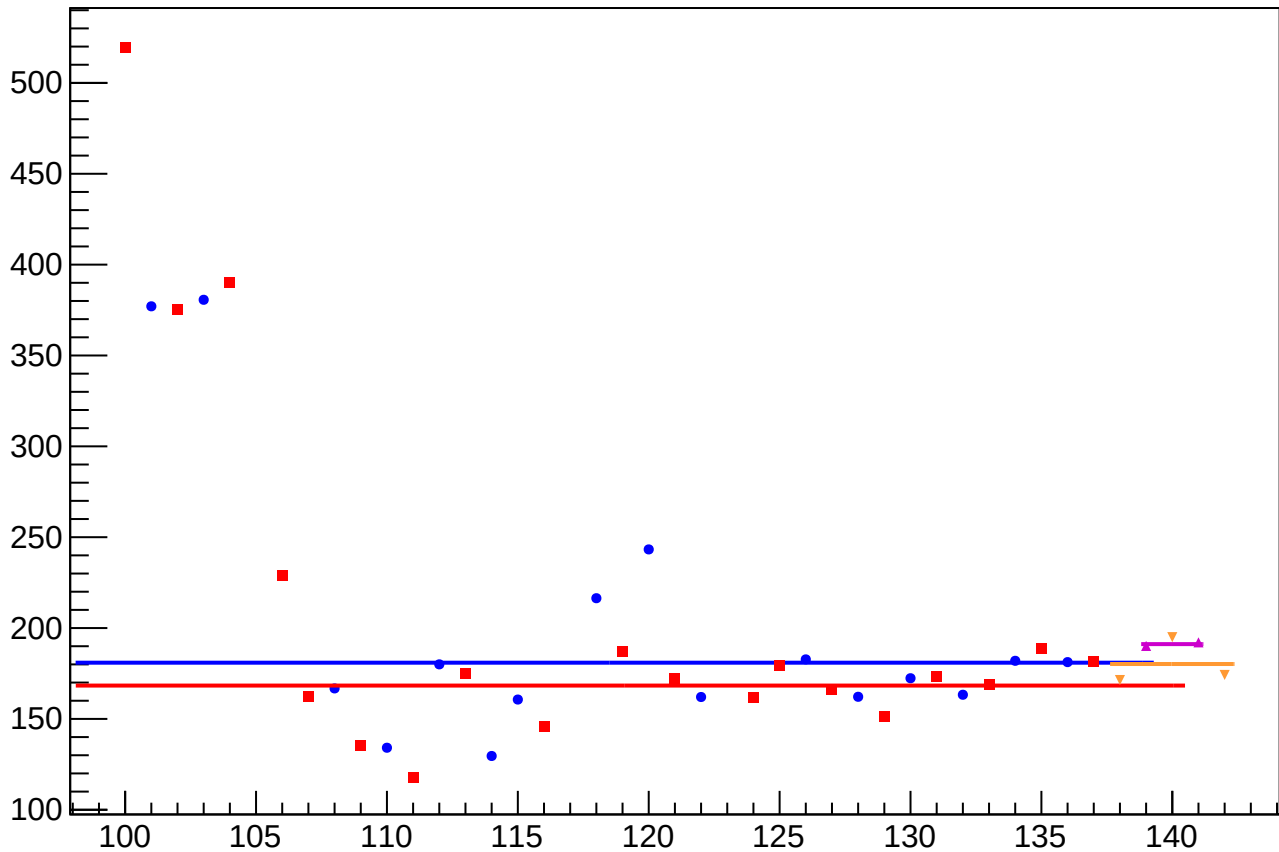
- sign 162.707+/-0.040 χ^2/NDF : 1106238.7/20

yield_bpm0i07WS_mean vs Slug



Right In: 152546.899 $\pm$ 0.073 χ^2 /NDF: 654540559.6/15
 Left Out: 152715.729 $\pm$ 0.128 χ^2 /NDF: 65666.3/2
 Right Out: 152837.888 $\pm$ 0.067 χ^2 /NDF: 736907066.8/18
 Left In: 152577.162 $\pm$ 0.146 χ^2 /NDF: 1028613.8/1
 + sign 152587.831 $\pm$ 0.063 χ^2 /NDF: 655916773.6/1
 All: 152694.668 $\pm$ 0.044 χ^2 /NDF: 140197050
 - sign 152793.096 $\pm$ 0.061 χ^2 /NDF: 740563880.4/20

yield_bpm0i07WS_rms vs Slug



Right In: 180.938 ± 0.051 χ^2/NDF : 907758.2/15

Left Out: 180.214 ± 0.091 χ^2/NDF : 14190.8/2

Right Out: 168.349 ± 0.047 χ^2/NDF : 1089090.2/18

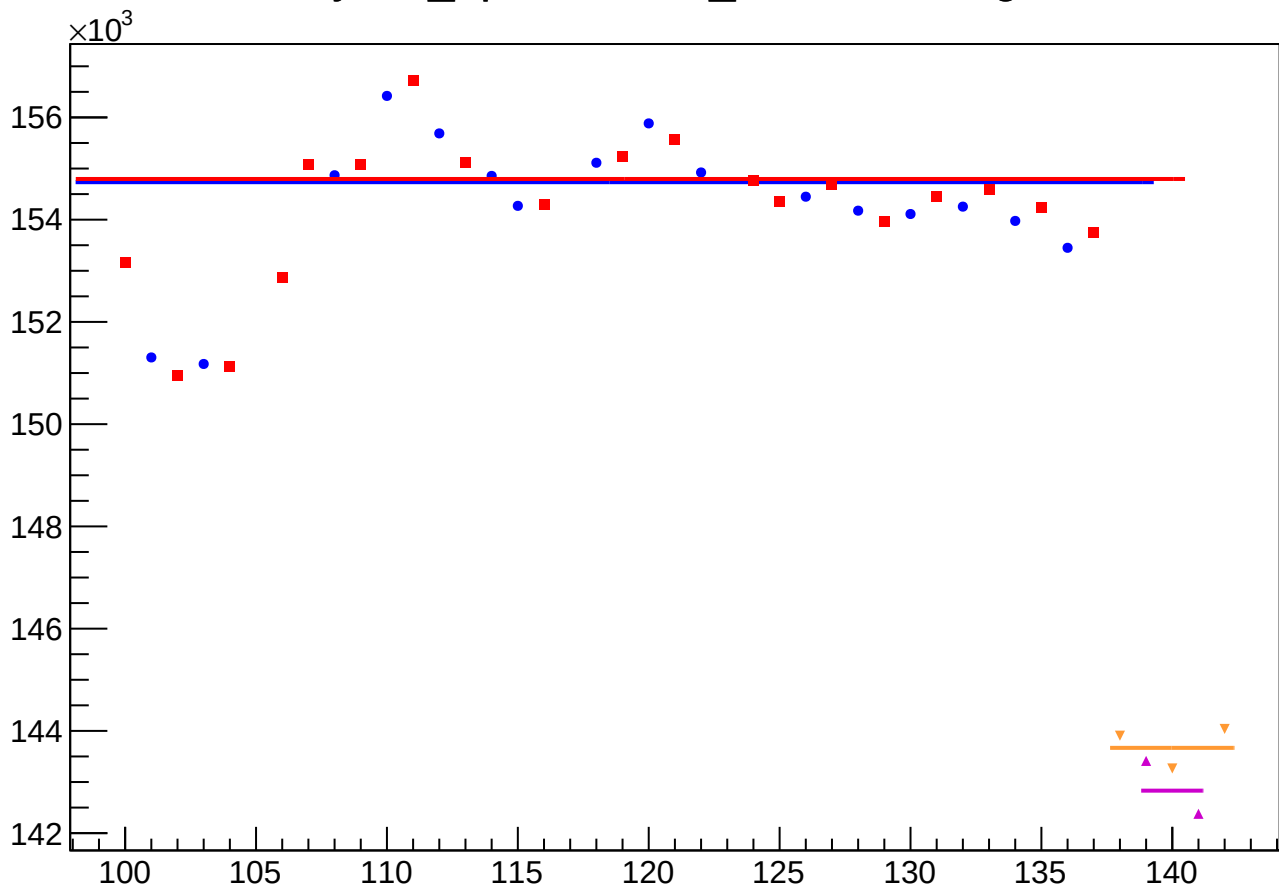
Left In: 191.163 ± 0.103 χ^2/NDF : 90.9/1

+ sign 180.763 ± 0.045 χ^2/NDF : 921997.2/18

All: 176.342 ± 0.031 χ^2/NDF : 2070225.5/39

- sign 172.268 ± 0.043 χ^2/NDF : 1129424.9/20

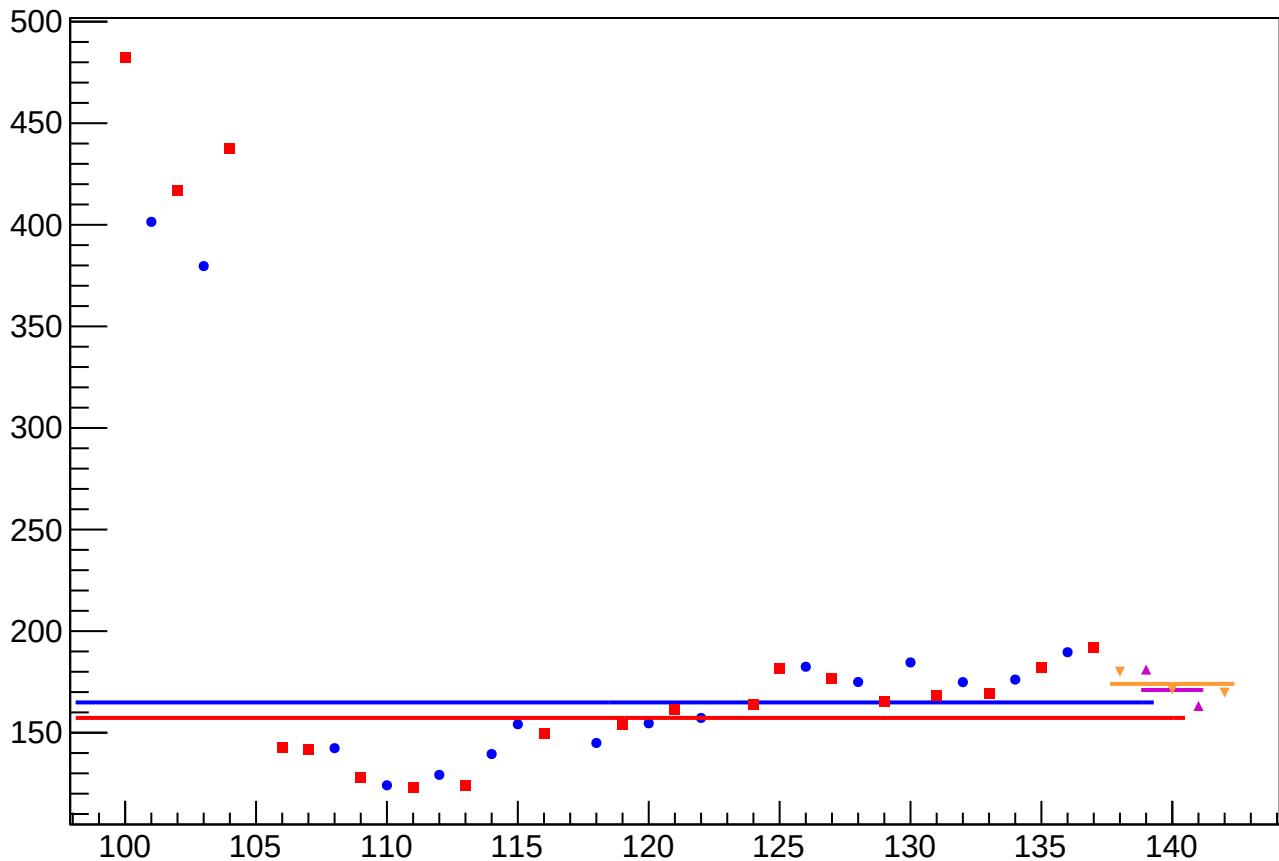
yield_bpm1i02WS_mean vs Slug



Right In: 154733.155 $\pm$ 0.065 χ^2 /NDF: 274462319.1/15
 Left Out: 143668.403 $\pm$ 0.123 χ^2 /NDF: 7855477.2/2
 Right Out: 154795.893 $\pm$ 0.061 χ^2 /NDF: 304125082.4/18
 Left In: 142831.278 $\pm$ 0.131 χ^2 /NDF: 15370112.5/1

+ sign 152305.847 $\pm$ 0.058 χ^2 /NDF: 6601131364.2
 All: 152488.805 $\pm$ 0.040 χ^2 /NDF: 138006869
 - sign 152657.678 $\pm$ 0.055 χ^2 /NDF: 7180155112.5/1

yield_bpm1i02WS_rms vs Slug



Right In: 164.906 $\pm$ 0.046 χ^2 /NDF: 1072730.7/15

Left Out: 174.030 $\pm$ 0.087 χ^2 /NDF:2701.3/2

Right Out: 157.283 $\pm$ 0.043 χ^2 /NDF: 1254831.2/18

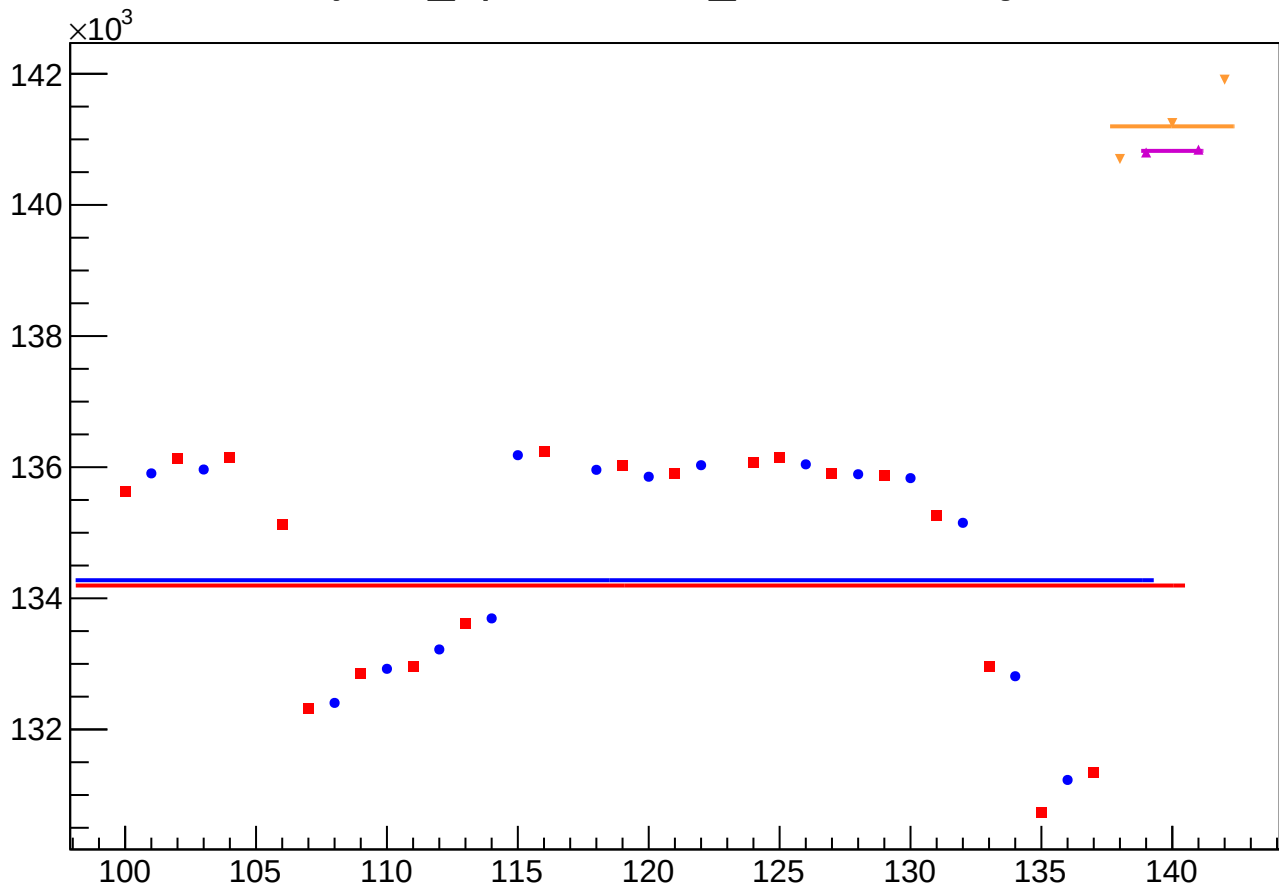
Left In: 171.031 $\pm$ 0.093 χ^2 /NDF:9219.7/1

+ sign 166.908 $\pm$ 0.041 χ^2 /NDF: 1084024.3/18

All: 163.180 $\pm$ 0.028 χ^2 /NDF: 2382297.0/39

- sign 159.740 $\pm$ 0.039 χ^2 /NDF: 1282167.6/20

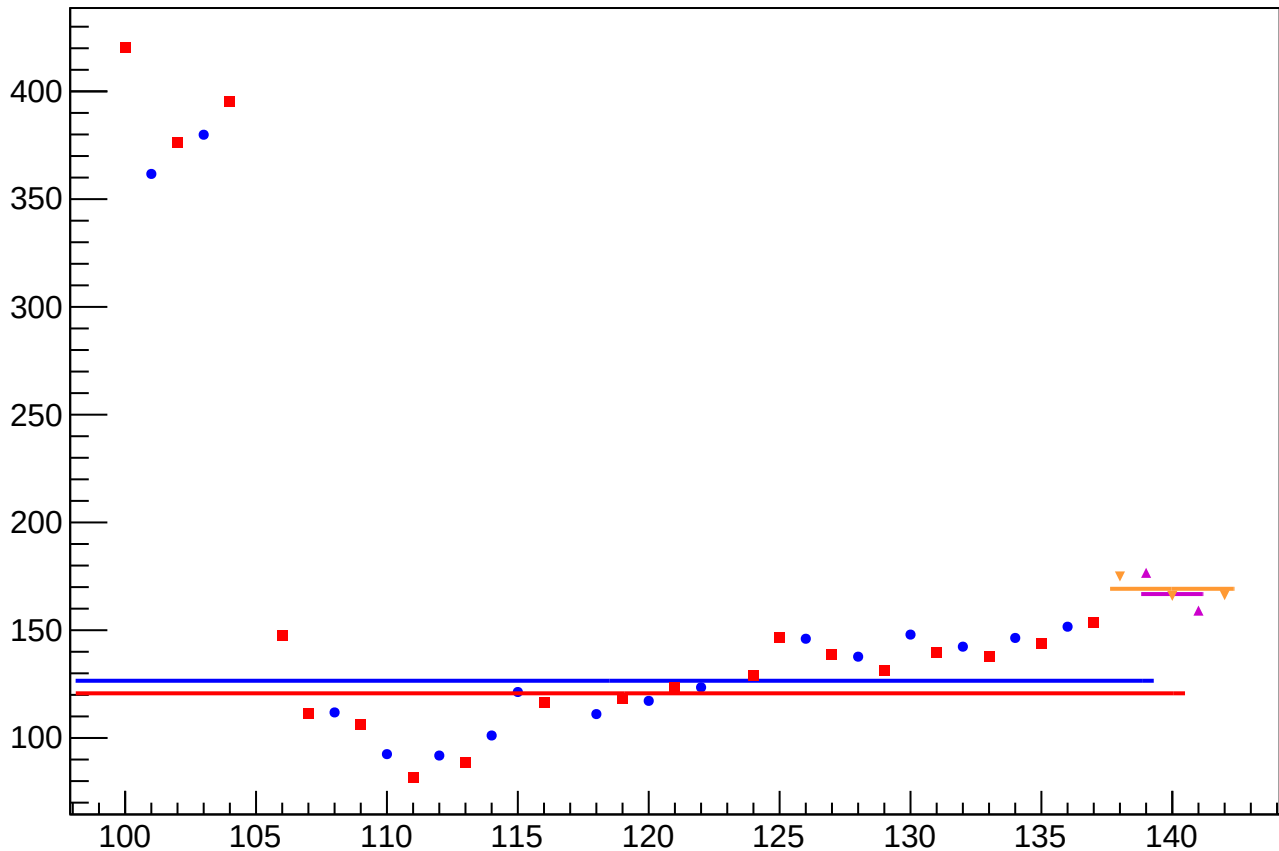
yield_bpm1i04WS_mean vs Slug



Right In: 134276.096 ± 0.051 $\chi^2/\text{NDF}: 1142867100.2/15$
 Left Out: 141198.535 ± 0.120 $\chi^2/\text{NDF}: 14106652.4/2$
 Right Out: 134195.257 ± 0.048 $\chi^2/\text{NDF}: 1205537499.7/18$
 Left In: 140824.445 ± 0.128 $\chi^2/\text{NDF}: 27555.5/1$

+ sign 135333.579 ± 0.047 $\chi^2/\text{NDF}: 3990792674.7$
 All: 135167.610 ± 0.032 $\chi^2/\text{NDF}: 75806774$
 - sign 135014.651 ± 0.045 $\chi^2/\text{NDF}: 3565699440.9/$

yield_bpm1i04WS_rms vs Slug



Right In: 126.551 $\pm$ 0.036 χ^2 /NDF: 1477429.4/15

Left Out: 169.218 $\pm$ 0.085 χ^2 /NDF:2542.7/2

+ sign 133.069 $\pm$ 0.033 χ^2 /NDF: 1695283.3/18

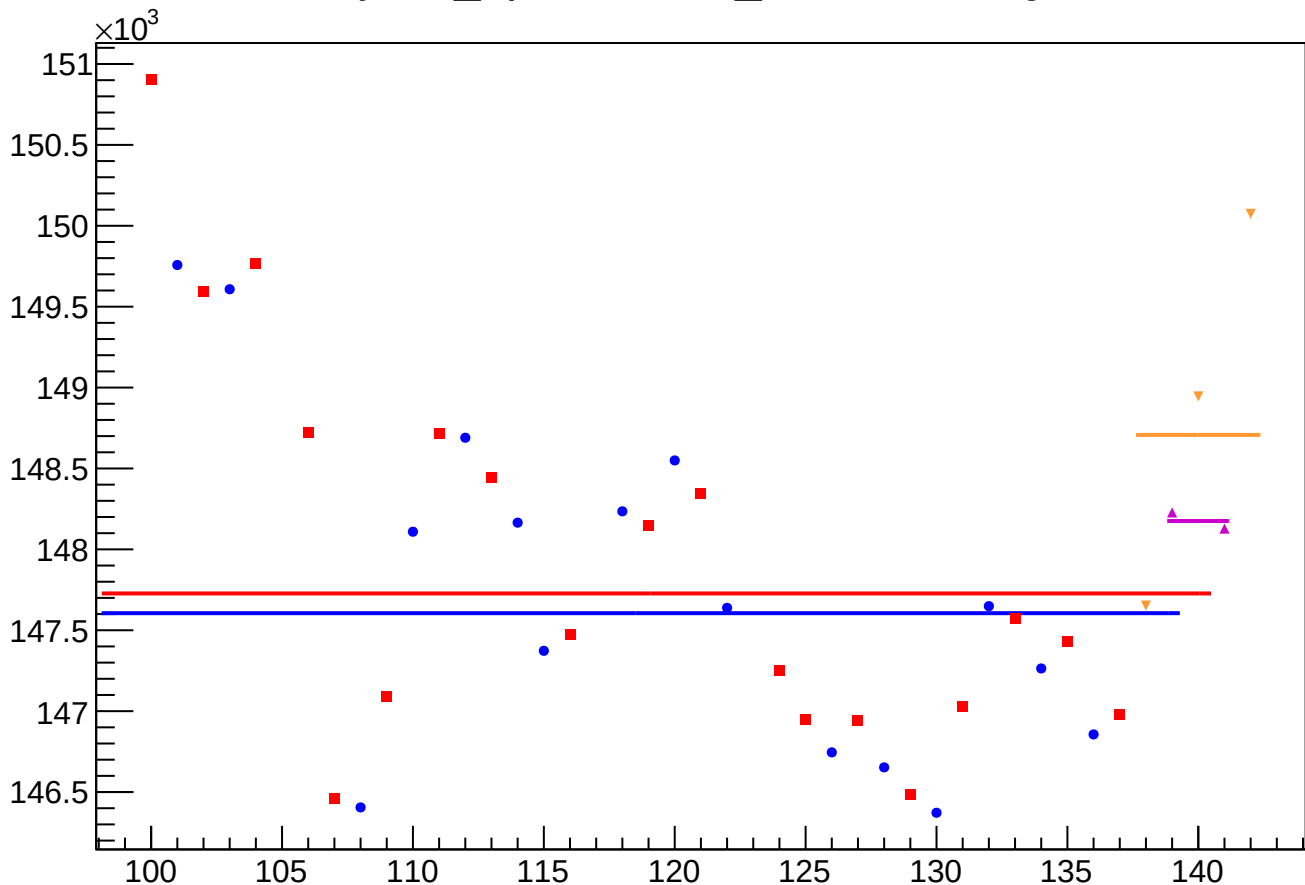
Right Out: 120.723 $\pm$ 0.034 χ^2 /NDF: 1632726.2/18

All: 129.606 $\pm$ 0.023 χ^2 /NDF: 3586140.6/39

- sign 126.415 $\pm$ 0.032 χ^2 /NDF: 1869805.9/20

Left In: 166.776 $\pm$ 0.090 χ^2 /NDF:9276.7/1

yield_bpm1i06WS_mean vs Slug



Right In: 147605.604 $\pm$ 0.062 χ^2 /NDF: 200513366.5/15

Left Out: 148707.423 $\pm$ 0.143 χ^2 /NDF: 41899113.9/2

Right Out: 147727.598 $\pm$ 0.059 χ^2 /NDF: 194800119.4/18

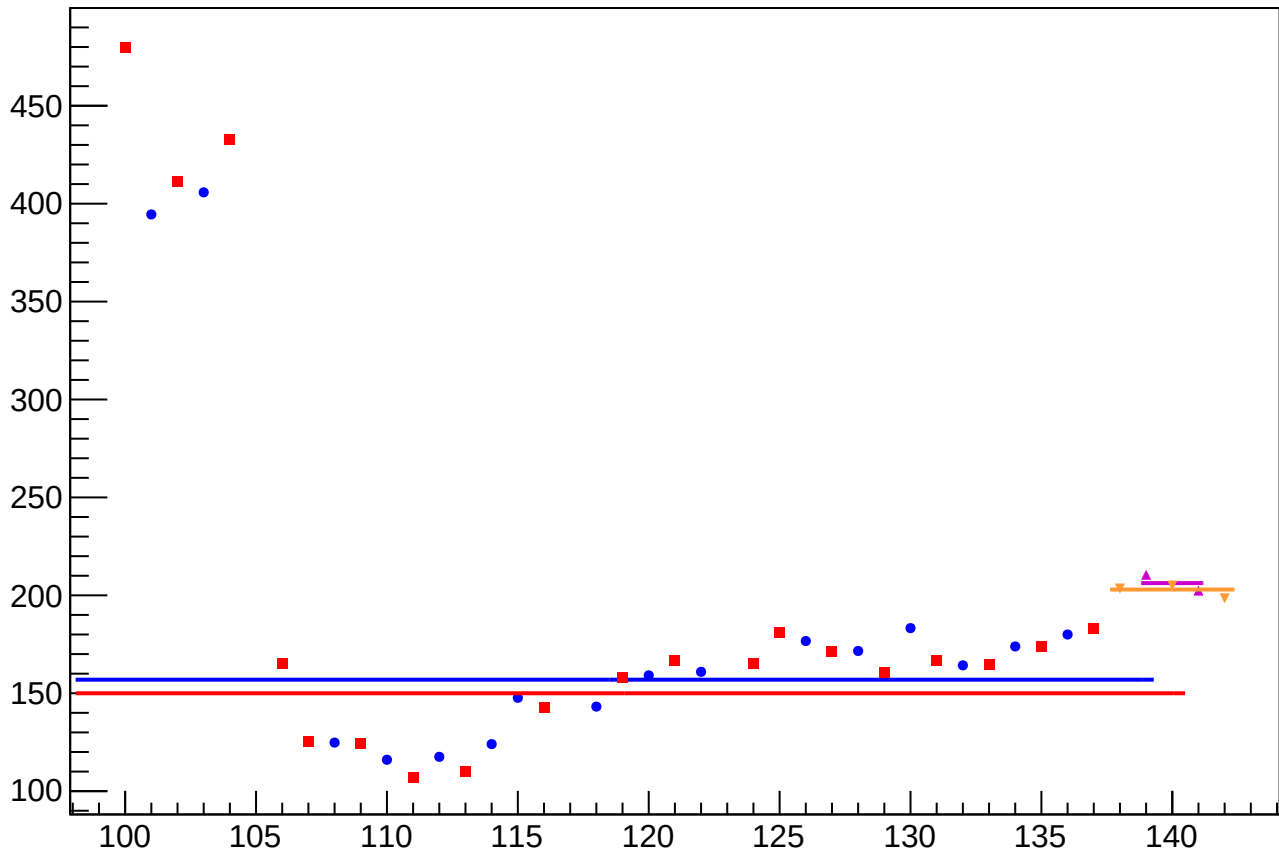
Left In: 148175.320 $\pm$ 0.158 χ^2 /NDF: 100003.0/1

+ sign 147781.227 $\pm$ 0.057 χ^2 /NDF: 291990844.0/1

All: 147781.876 $\pm$ 0.040 χ^2 /NDF: 49396619

- sign 147782.479 $\pm$ 0.055 χ^2 /NDF: 201975099.2/2

yield_bpm1i06WS_rms vs Slug



Right In: 156.927 $\pm$ 0.044 χ^2 /NDF: 1265768.6/15

Left Out: 202.956 $\pm$ 0.101 χ^2 /NDF:605.7/2

Right Out: 149.994 $\pm$ 0.042 χ^2 /NDF: 1453928.8/18

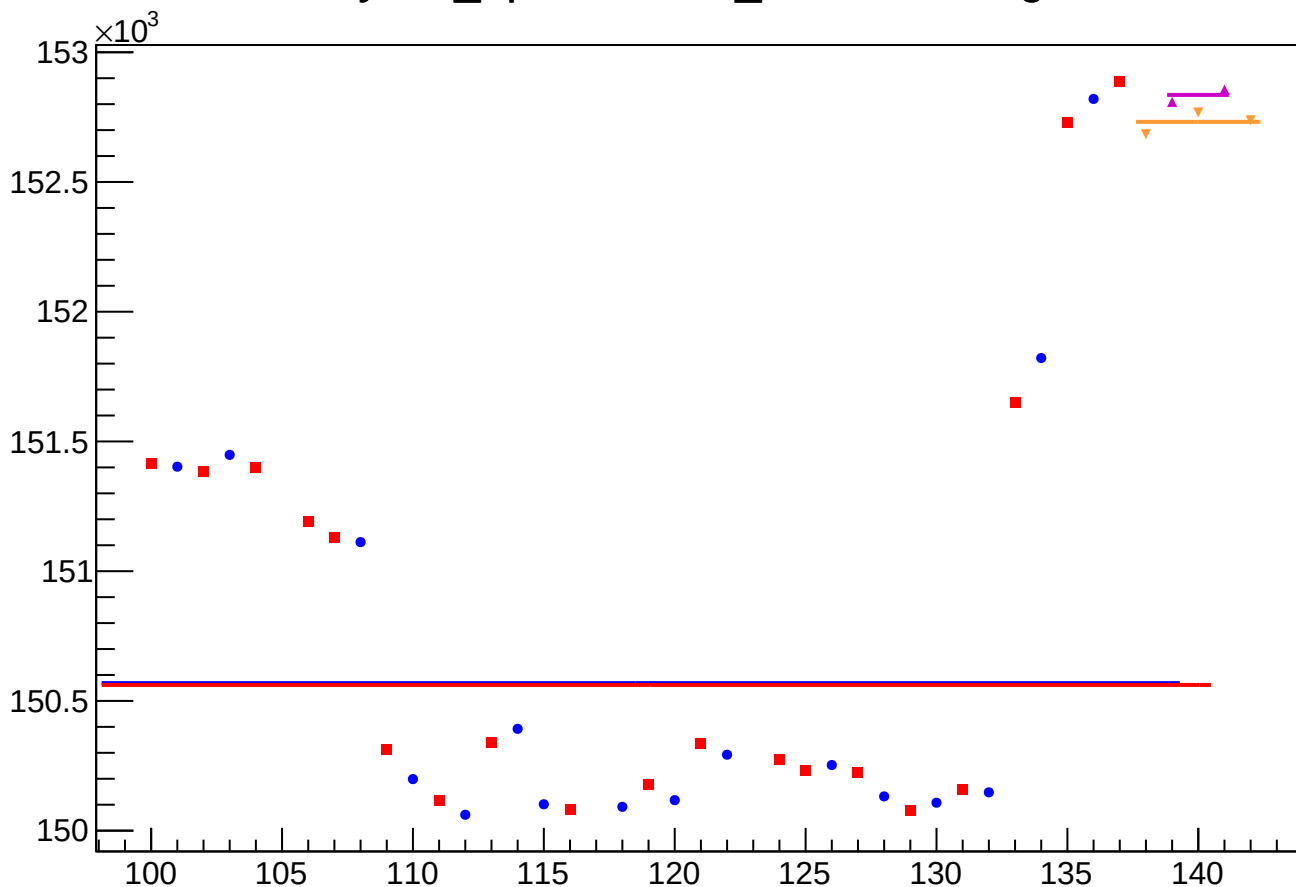
Left In: 206.244 $\pm$ 0.111 χ^2 /NDF:1306.9/1

+ sign 164.264 $\pm$ 0.041 χ^2 /NDF: 1439423.6/18

All: 160.440 $\pm$ 0.028 χ^2 /NDF: 3135198.8/39

- sign 156.889 $\pm$ 0.039 χ^2 /NDF: 1678586.6/20

yield_bpm2i01WS_mean vs Slug



Right In: 150568.638 $\pm$ 0.055 χ^2 /NDF: 237155171.8/15

Left Out: 152731.826 $\pm$ 0.122 χ^2 /NDF: 91766.8/2

Right Out: 150561.647 $\pm$ 0.051 χ^2 /NDF: 197500782.5/18

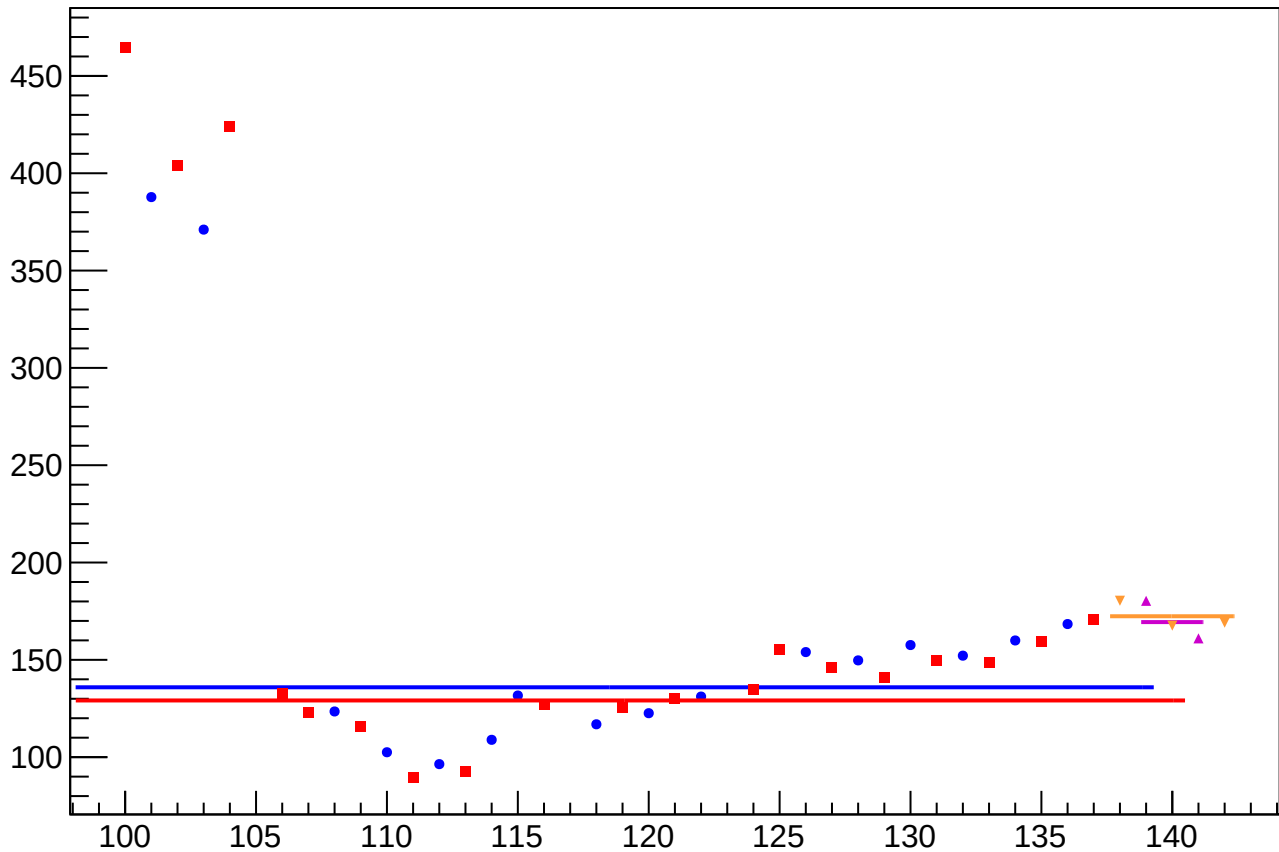
Left In: 152835.584 $\pm$ 0.130 χ^2 /NDF: 32542.5/1

+ sign 150930.193 $\pm$ 0.050 χ^2 /NDF: 499496647.3/1

All: 150896.587 $\pm$ 0.034 χ^2 /NDF: 96428161.1

- sign 150866.130 $\pm$ 0.047 χ^2 /NDF: 463918199.1/2

yield_bpm2i01WS_rms vs Slug



Right In: 135.896 ± 0.039 χ^2/NDF : 1416332.3/15

Left Out: 172.394 ± 0.086 χ^2/NDF : 4656.2/2

Right Out: 129.130 ± 0.036 χ^2/NDF : 1614311.0/18

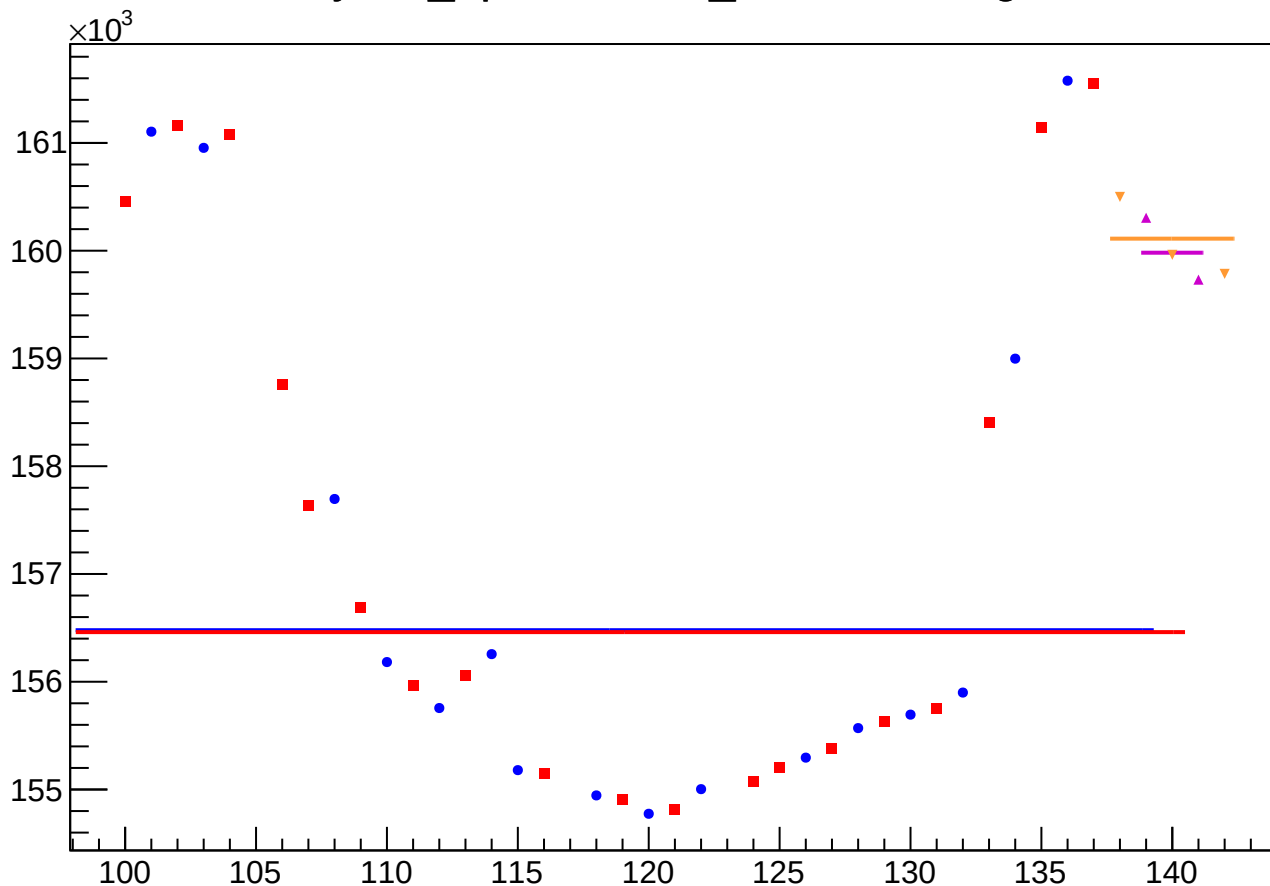
Left In: 169.395 ± 0.092 χ^2/NDF : 10871.4/1

+ sign 141.996 ± 0.035 χ^2/NDF : 1570301.6/18

All: 138.075 ± 0.024 χ^2/NDF : 3386124.6/39

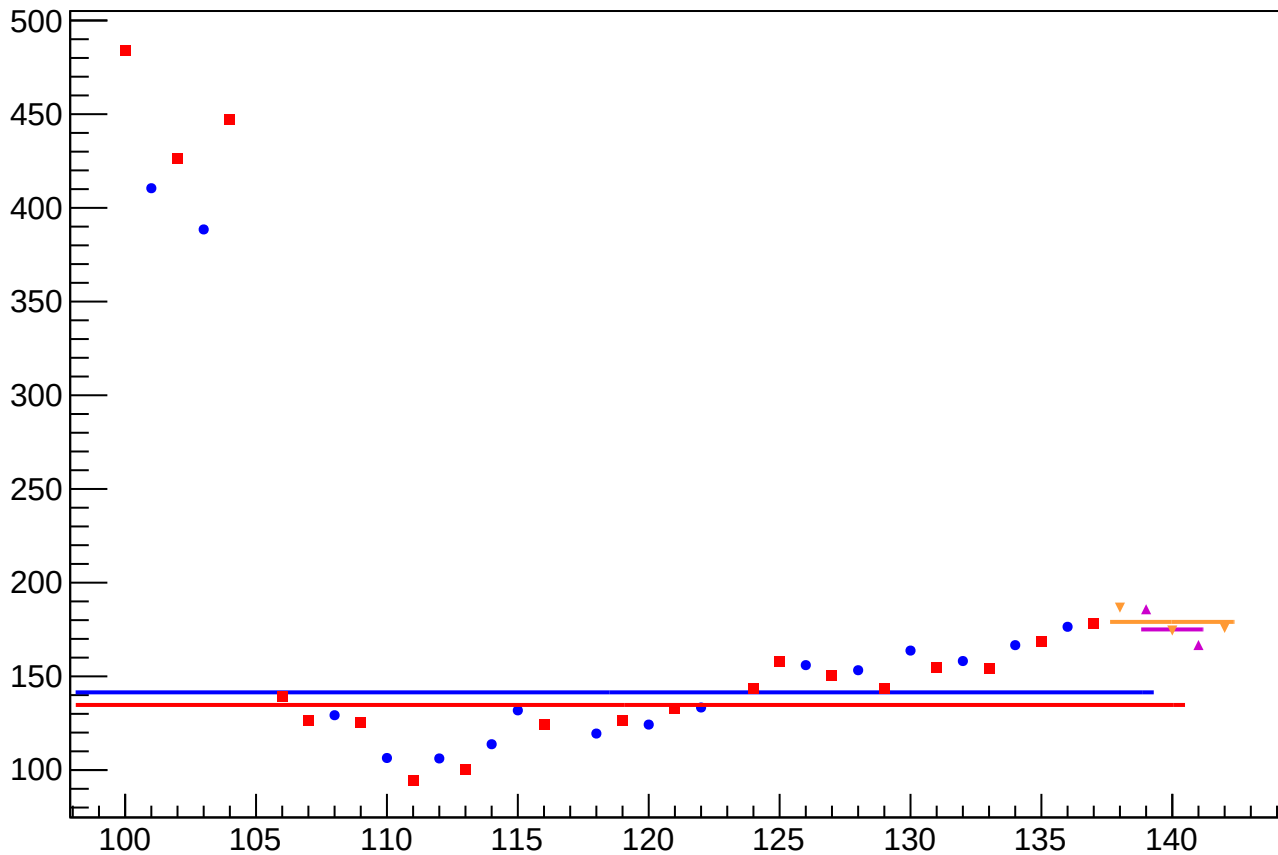
- sign 134.522 ± 0.034 χ^2/NDF : 1792225.1/20

yield_bpm2i02WS_mean vs Slug



Right In: 156478.318 $\pm$ 0.057 χ^2 /NDF: 1289449253.3/15
 Left Out: 160111.873 $\pm$ 0.127 χ^2 /NDF: 5382551.9/2
 Right Out: 156460.550 $\pm$ 0.053 χ^2 /NDF: 1100531658.8/18
 Left In: 159981.378 $\pm$ 0.134 χ^2 /NDF: 4517003.5/1
 + sign 157087.860 $\pm$ 0.052 χ^2 /NDF: 1980990118.5
 All: 157009.815 $\pm$ 0.036 χ^2 /NDF: 368716063
 - sign 156938.960 $\pm$ 0.049 χ^2 /NDF: 1701844607.5/

yield_bpm2i02WS_rms vs Slug



Right In: 141.470 $\pm$ 0.040 χ^2 /NDF: 1391933.2/15

Left Out: 179.068 $\pm$ 0.089 χ^2 /NDF:3956.5/2

Right Out: 134.746 $\pm$ 0.038 χ^2 /NDF: 1579031.5/18

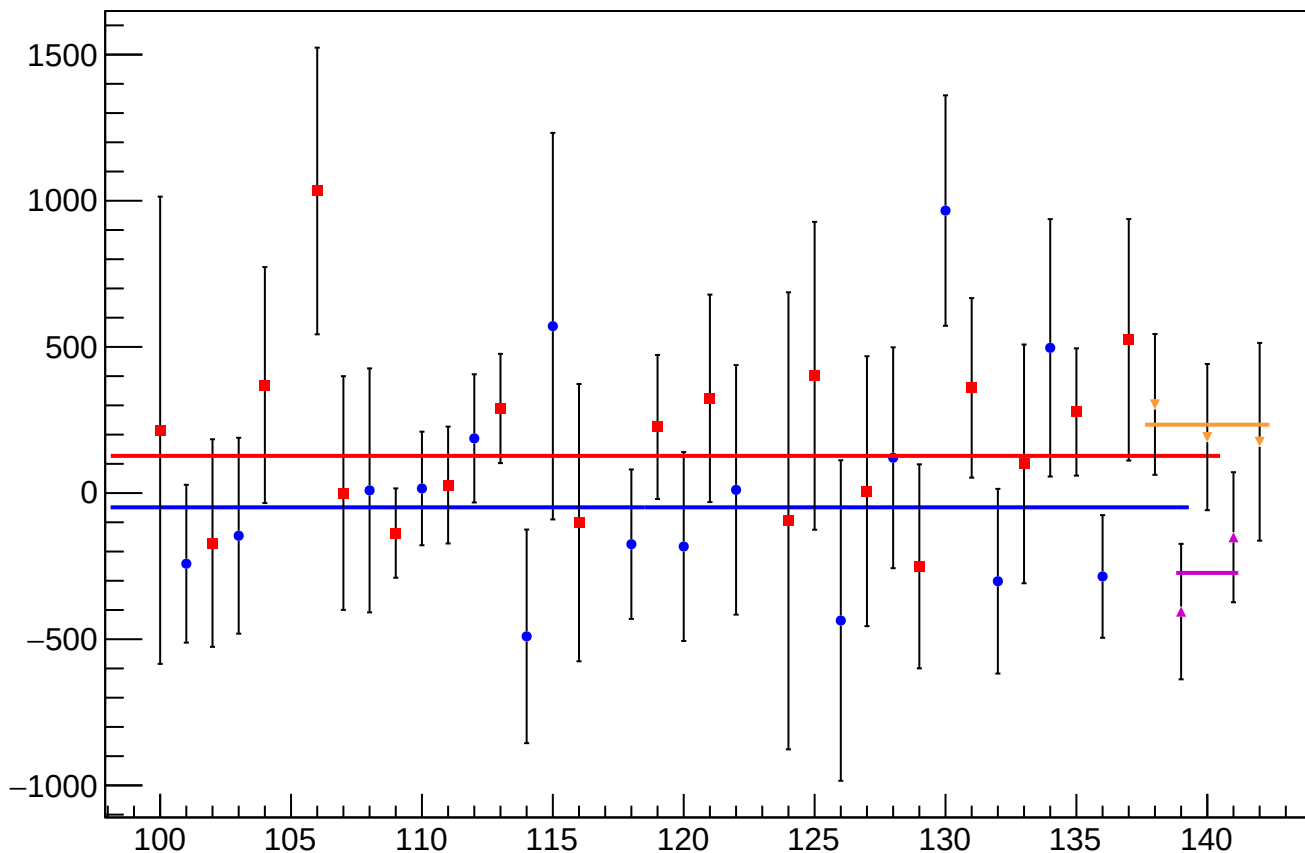
Left In: 175.037 $\pm$ 0.095 χ^2 /NDF:9987.6/1

+ sign 147.777 $\pm$ 0.037 χ^2 /NDF: 1542821.6/18

All: 143.816 $\pm$ 0.025 χ^2 /NDF: 3310434.8/39

- sign 140.220 $\pm$ 0.035 χ^2 /NDF: 1745329.2/20

asym_bcm_target_mean vs Slug



Right In: -48.749 ± 76.592 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 234.079 ± 154.364 $\chi^2/\text{NDF}: 0.1/2$

Right Out: 127.249 ± 68.506 $\chi^2/\text{NDF}: 12.9/18$

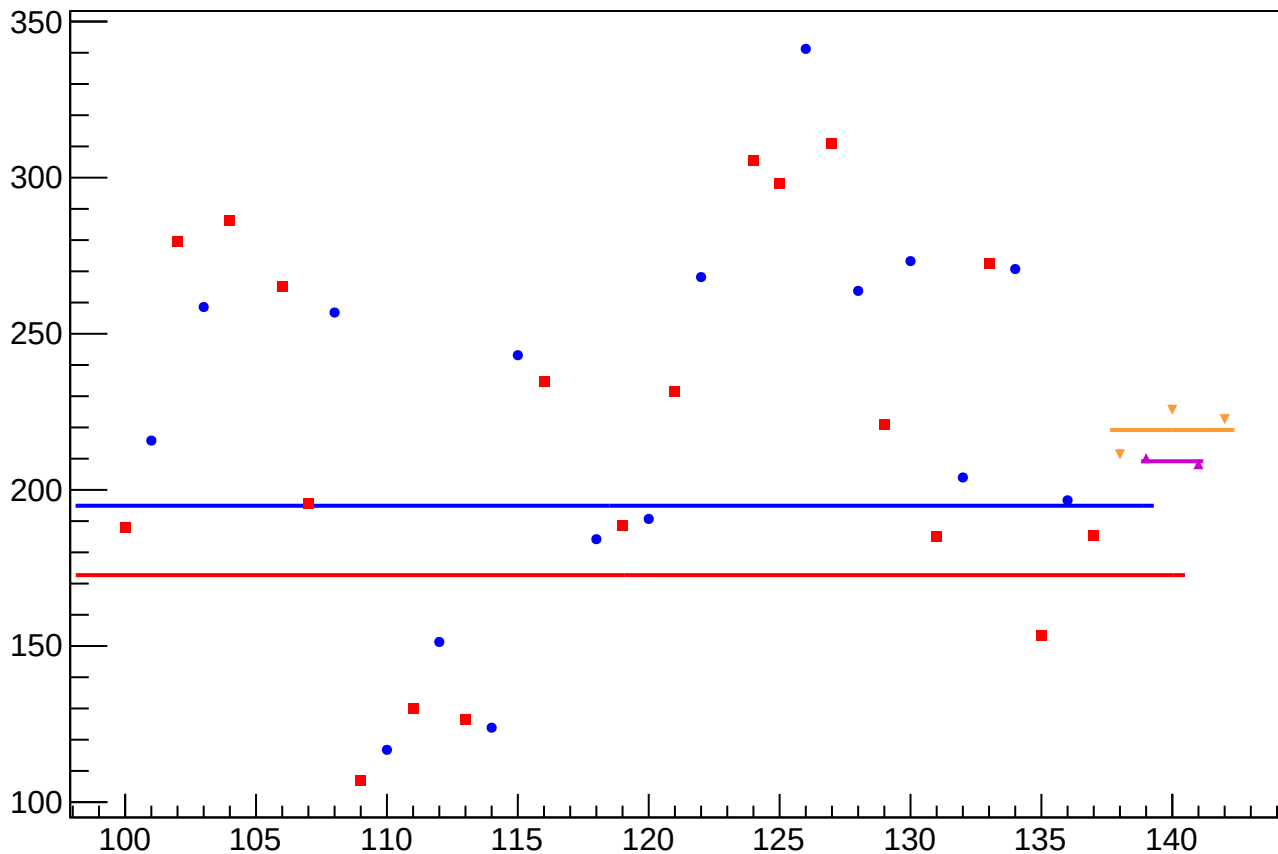
Left In: -273.127 ± 160.479 $\chi^2/\text{NDF}: 0.6/1$

+ sign 7.125 ± 68.610 $\chi^2/\text{NDF}: 18.3/18$

All: 38.813 ± 46.407 $\chi^2/\text{NDF}: 37.4/39$

- sign 65.534 ± 63.005 $\chi^2/\text{NDF}: 18.7/20$

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF : 1028901.2/15

Left Out: 219.182+/-0.109 χ^2/NDF : 3632.9/2

Right Out: 172.704+/-0.048 χ^2/NDF : 1631350.4/18

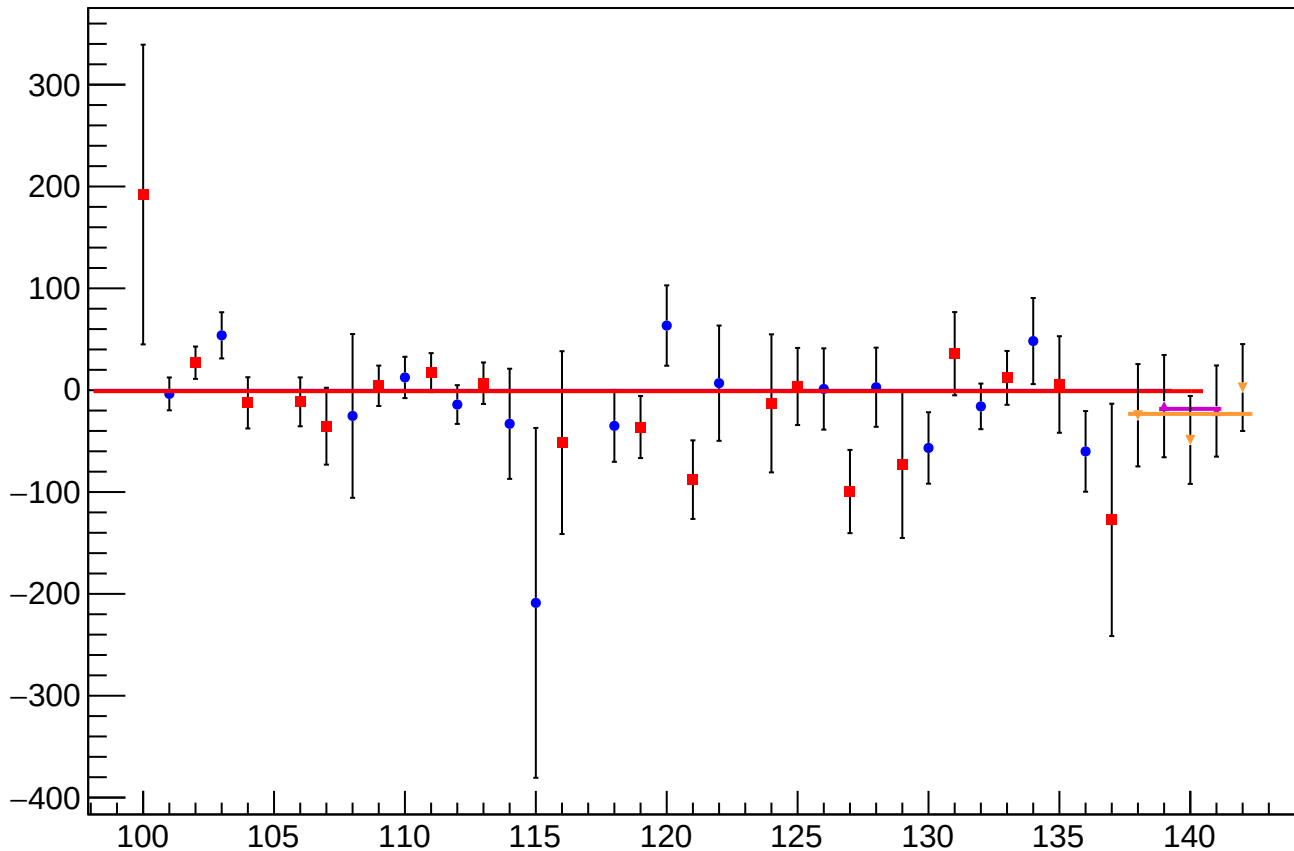
Left In: 209.175+/-0.113 χ^2/NDF : 72.5/1

+ sign 199.715+/-0.049 χ^2/NDF : 1072171.8/18

All: 188.111+/-0.033 χ^2/NDF : 2896423.5/39

- sign 178.326+/-0.045 χ^2/NDF : 1718797.9/20

asym_bcm_an_diff_mean vs Slug



Right In: -0.624 ± 7.340 χ^2/NDF : 18.9/15

Left Out: -23.282 ± 25.976 χ^2/NDF : 0.7/2

Right Out: -0.938 ± 6.767 χ^2/NDF : 23.1/18

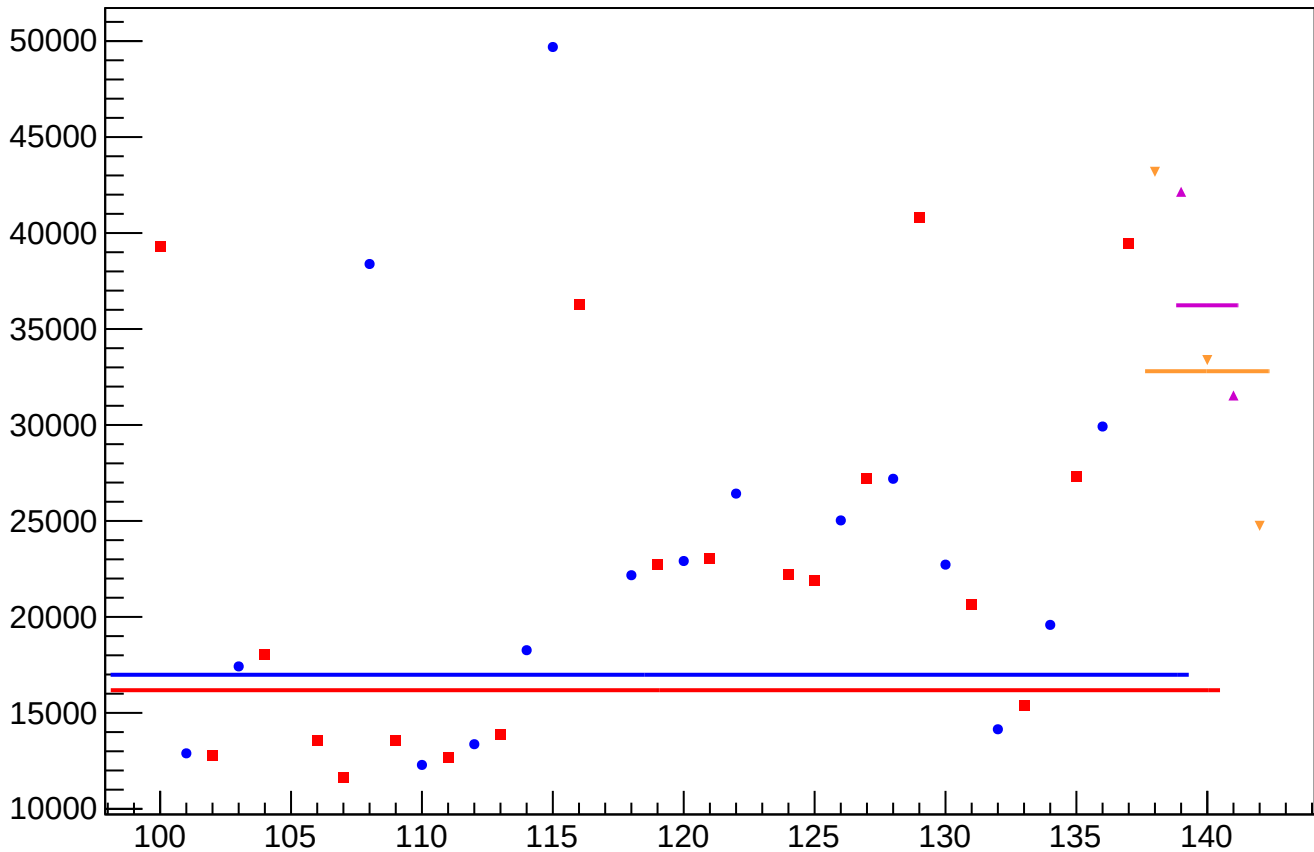
Left In: -18.325 ± 33.416 χ^2/NDF : 0.0/1

+ sign -2.299 ± 7.064 χ^2/NDF : 20.3/18

All: -1.940 ± 4.835 χ^2/NDF : 43.6/39

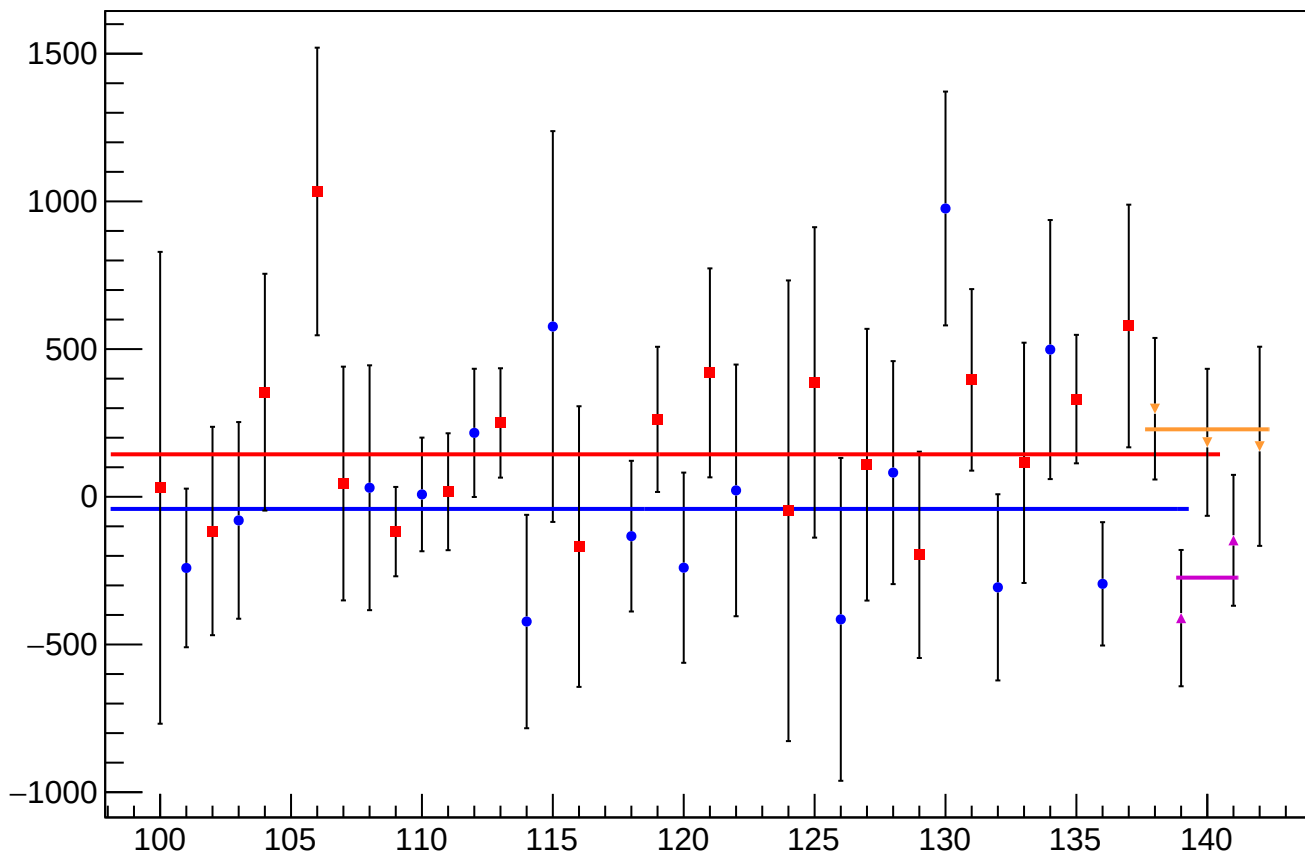
- sign -1.622 ± 6.632 χ^2/NDF : 23.3/20

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190	$\chi^2/\text{NDF}: 1194096.1/15$	+ sign 18155.829+/-4.995	$\chi^2/\text{NDF}: 2037762.9/18$
Left Out: 32801.037+/-18.368	$\chi^2/\text{NDF}: 157172.6/2$	All: 17526.604+/-3.419	$\chi^2/\text{NDF}: 4060727.4/3$
Right Out: 16181.928+/-4.785	$\chi^2/\text{NDF}: 1251495.8/18$	- sign 16971.869+/-4.690	$\chi^2/\text{NDF}: 1993103.0/20$
Left In: 36234.824+/-23.629	$\chi^2/\text{NDF}: 49766.1/1$		

asym_bcm_an_ds_mean vs Slug



Right In: -41.048 ± 76.156 χ^2/NDF : 15.5/15

Left Out: 228.383 ± 153.636 χ^2/NDF : 0.1/2

Right Out: 143.821 ± 68.080 χ^2/NDF : 13.0/18

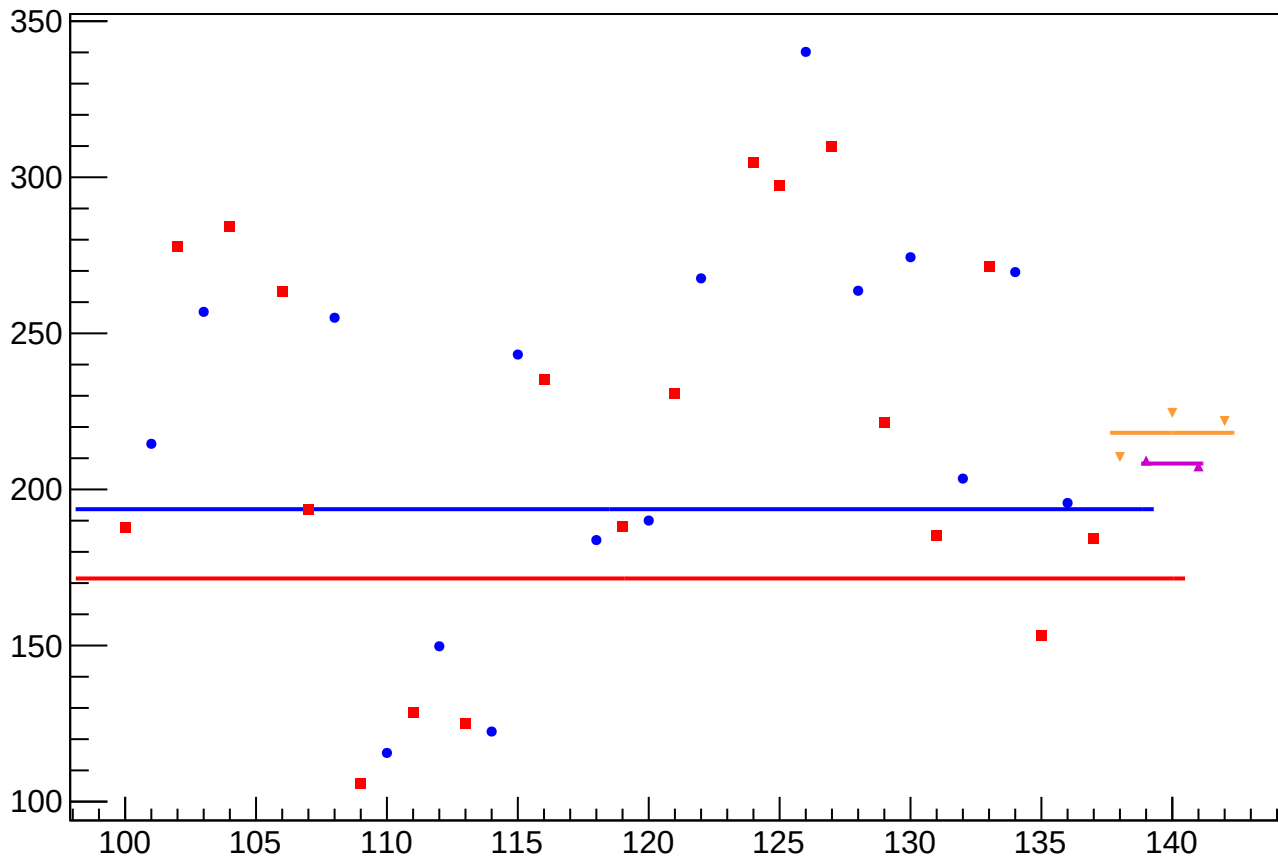
Left In: -273.699 ± 159.807 χ^2/NDF : 0.7/1

+ sign 12.097 ± 68.234 χ^2/NDF : 18.1/18

All: 48.778 ± 46.141 χ^2/NDF : 38.1/39

- sign 79.685 ± 62.633 χ^2/NDF : 19.5/20

asym_bcm_an_ds_rms vs Slug



Right In: 193.670 $\pm$ 0.054 χ^2 /NDF: 1049772.0/15

Left Out: 218.150 $\pm$ 0.109 χ^2 /NDF:3668.6/2

Right Out: 171.484 $\pm$ 0.048 χ^2 /NDF: 1652989.7/18

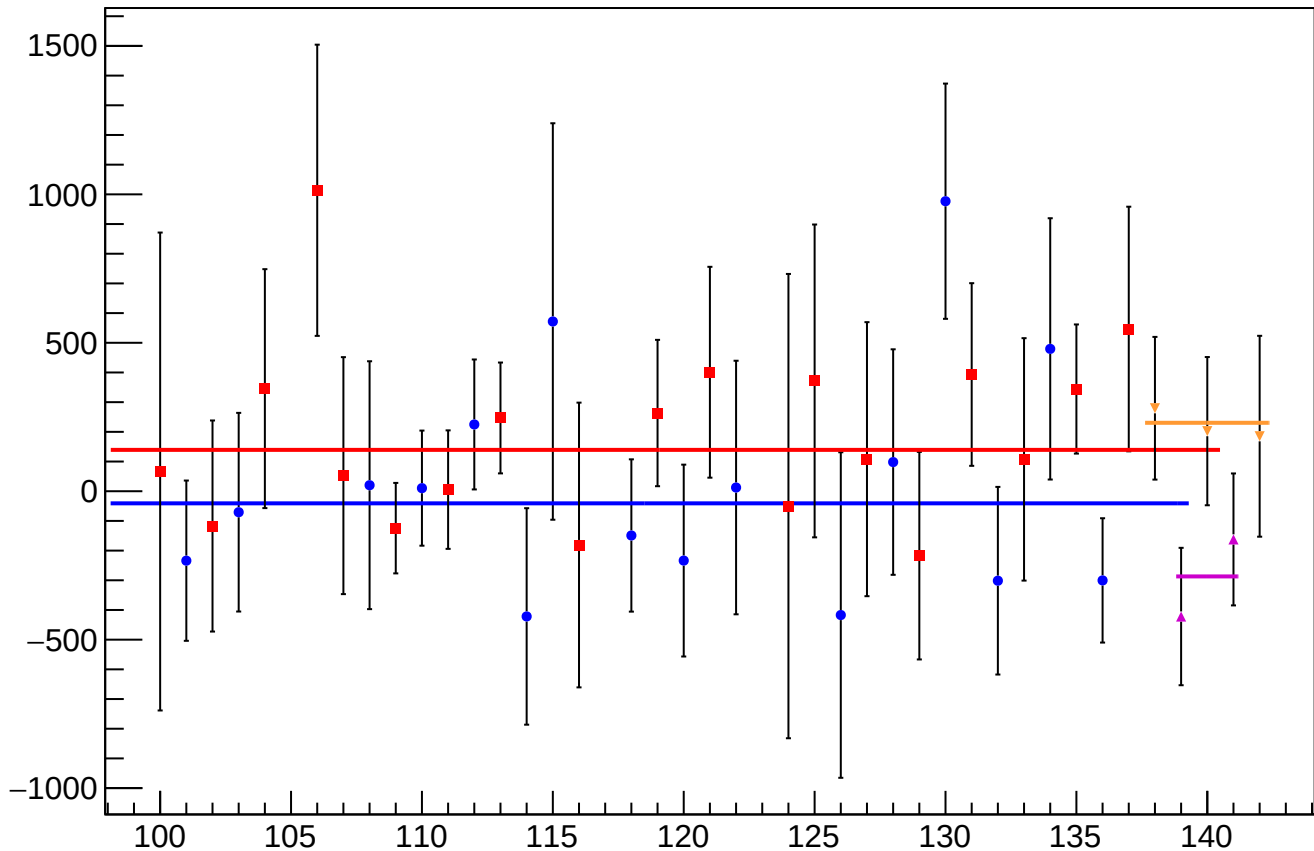
Left In: 208.296 $\pm$ 0.113 χ^2 /NDF:66.8/1

+ sign 198.499 $\pm$ 0.048 χ^2 /NDF: 1094199.5/18

All: 186.906 $\pm$ 0.033 χ^2 /NDF: 2943449.4/39

- sign 177.138 $\pm$ 0.044 χ^2 /NDF: 1742879.3/20

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798 ± 76.579 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 230.507 ± 154.130 $\chi^2/\text{NDF}: 0.1/2$

Right Out: 139.292 ± 68.459 $\chi^2/\text{NDF}: 12.9/18$

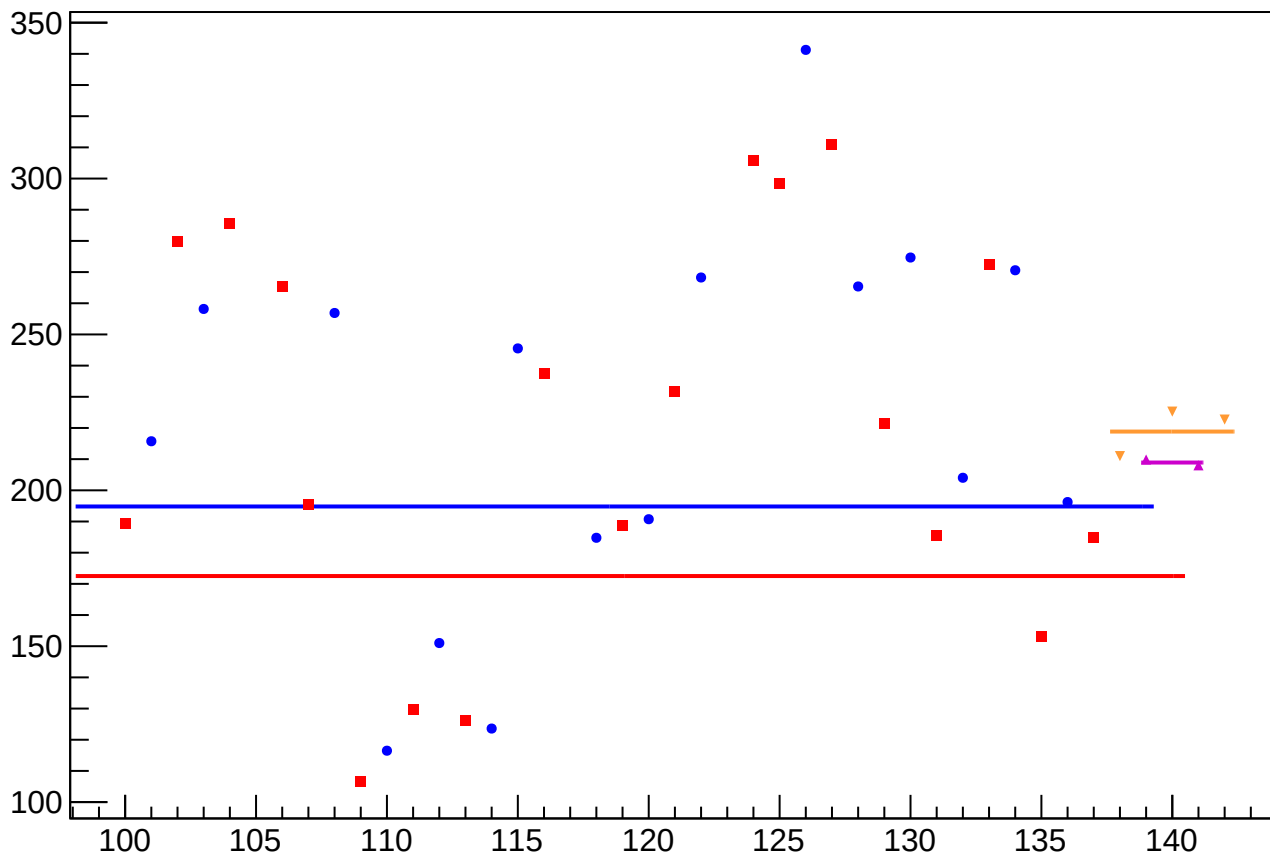
Left In: -286.975 ± 160.284 $\chi^2/\text{NDF}: 0.7/1$

+ sign 12.916 ± 68.581 $\chi^2/\text{NDF}: 17.9/18$

All: 45.808 ± 46.378 $\chi^2/\text{NDF}: 37.9/39$

- sign 73.527 ± 62.957 $\chi^2/\text{NDF}: 19.5/20$

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF : 1039096.7/15

Left Out: 218.847+/-0.109 χ^2/NDF : 3718.6/2

Right Out: 172.507+/-0.048 χ^2/NDF : 1642059.1/18

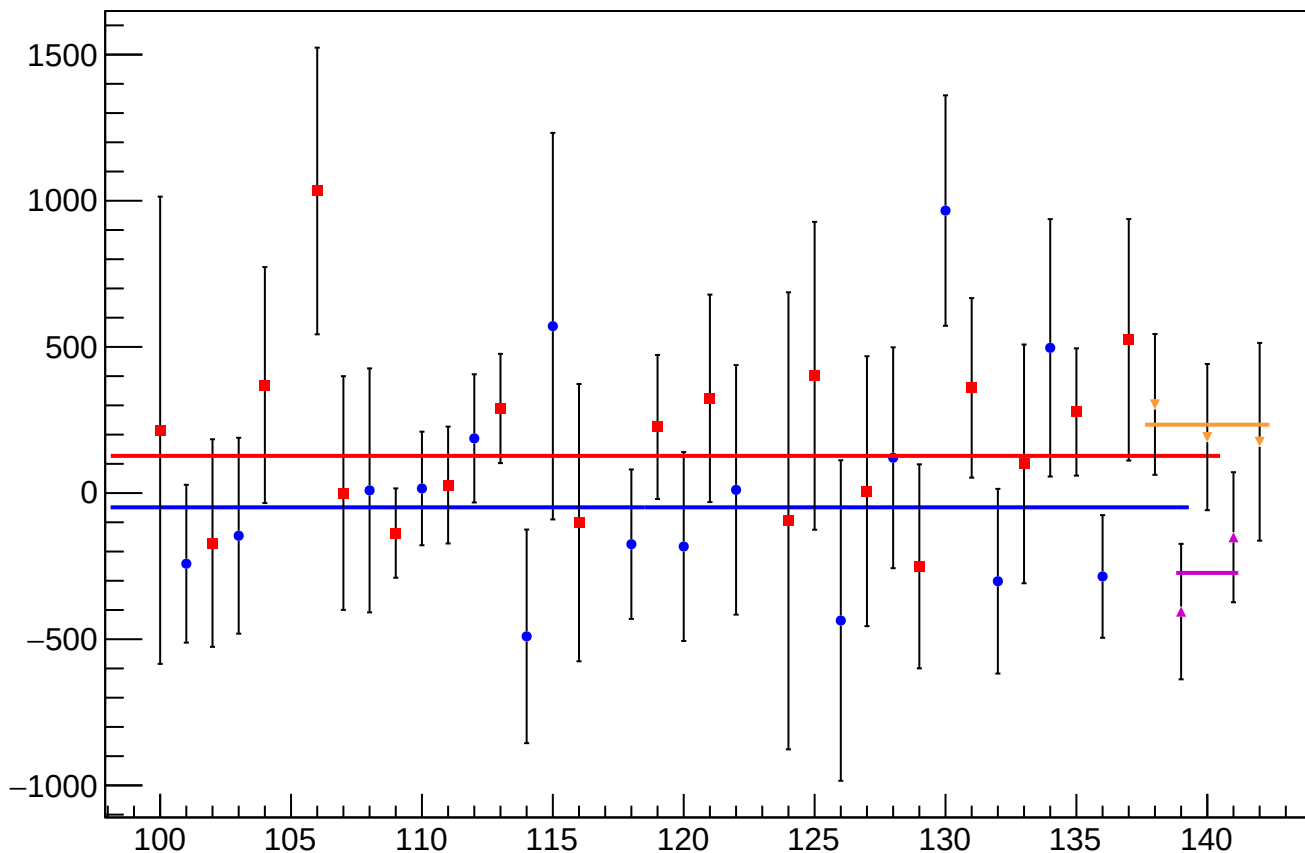
Left In: 208.915+/-0.113 χ^2/NDF : 67.7/1

+ sign 199.577+/-0.048 χ^2/NDF : 1081796.2/18

All: 187.935+/-0.033 χ^2/NDF : 2917396.0/39

- sign 178.124+/-0.045 χ^2/NDF : 1729398.8/20

asym_bcm_an_us_mean vs Slug



Right In: -48.749 ± 76.592 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 234.079 ± 154.364 $\chi^2/\text{NDF}: 0.1/2$

Right Out: 127.249 ± 68.506 $\chi^2/\text{NDF}: 12.9/18$

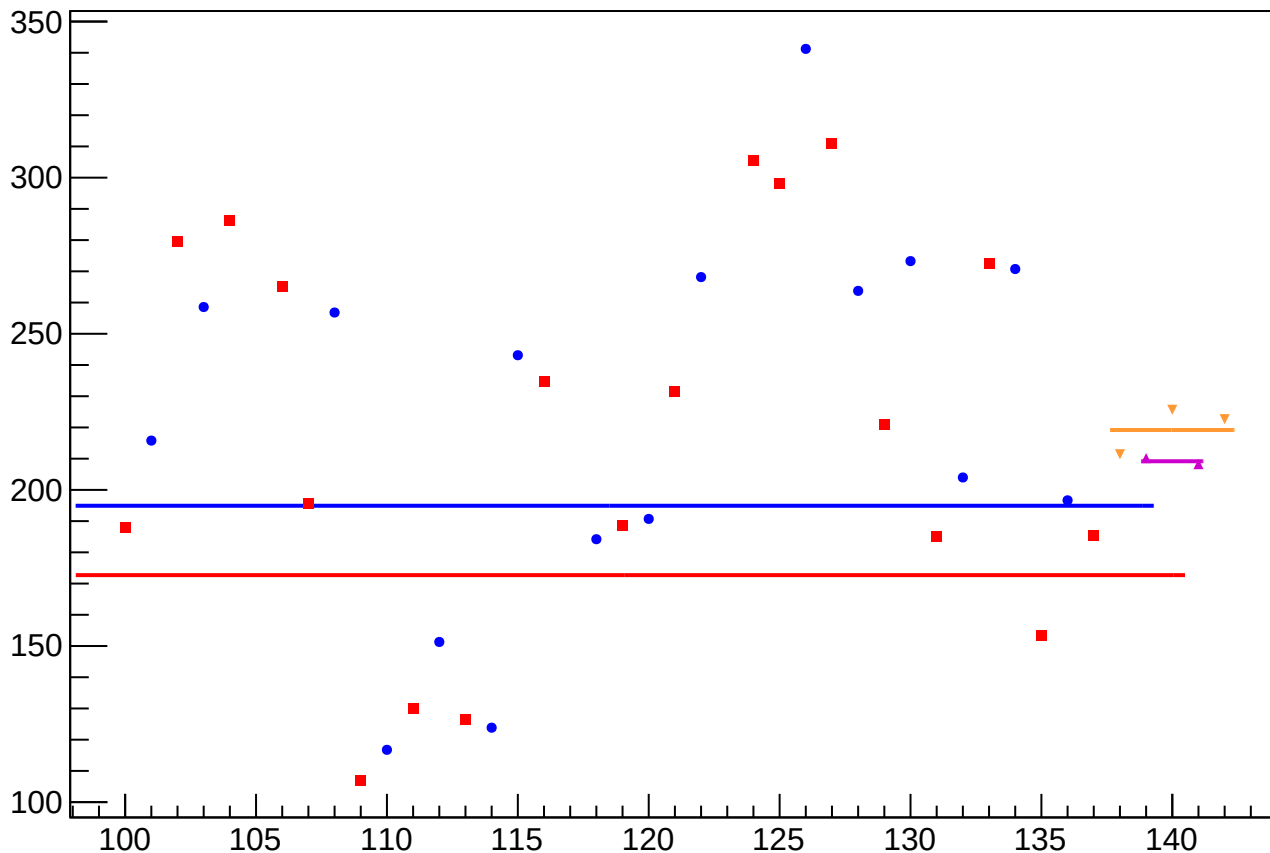
Left In: -273.127 ± 160.479 $\chi^2/\text{NDF}: 0.6/1$

+ sign 7.125 ± 68.610 $\chi^2/\text{NDF}: 18.3/18$

All: 38.813 ± 46.407 $\chi^2/\text{NDF}: 37.4/39$

- sign 65.534 ± 63.005 $\chi^2/\text{NDF}: 18.7/20$

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF : 1028901.2/15

Left Out: 219.182+/-0.109 χ^2/NDF : 3632.9/2

Right Out: 172.704+/-0.048 χ^2/NDF : 1631350.4/18

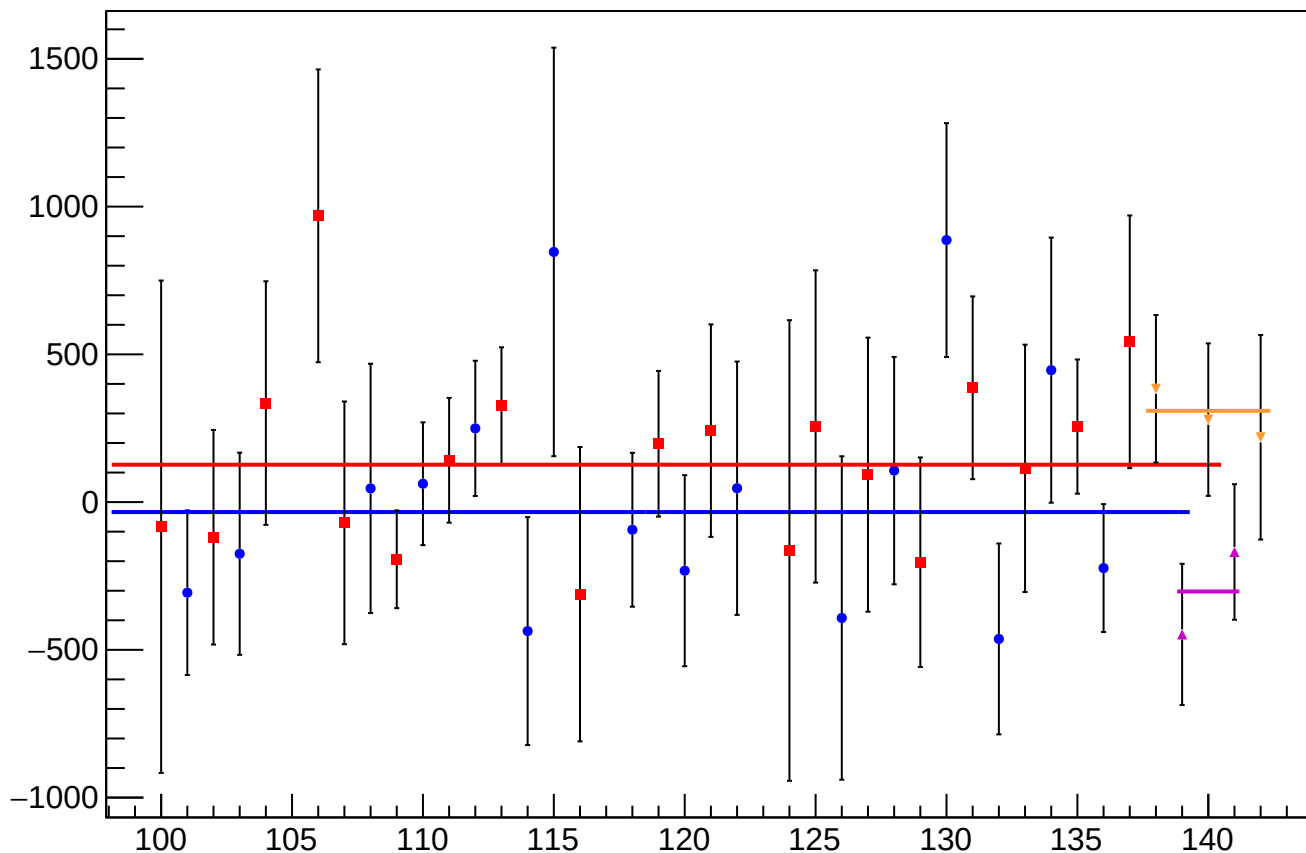
Left In: 209.175+/-0.113 χ^2/NDF : 72.5/1

+ sign 199.715+/-0.049 χ^2/NDF : 1072171.8/18

All: 188.111+/-0.033 χ^2/NDF : 2896423.5/39

- sign 178.326+/-0.045 χ^2/NDF : 1718797.9/20

asym_bcm_dg_us_mean vs Slug



Right In: -33.731 ± 78.996 χ^2/NDF : 15.7/15

Left Out: 308.947 ± 159.284 χ^2/NDF : 0.2/2

Right Out: 126.563 ± 71.309 χ^2/NDF : 12.7/18

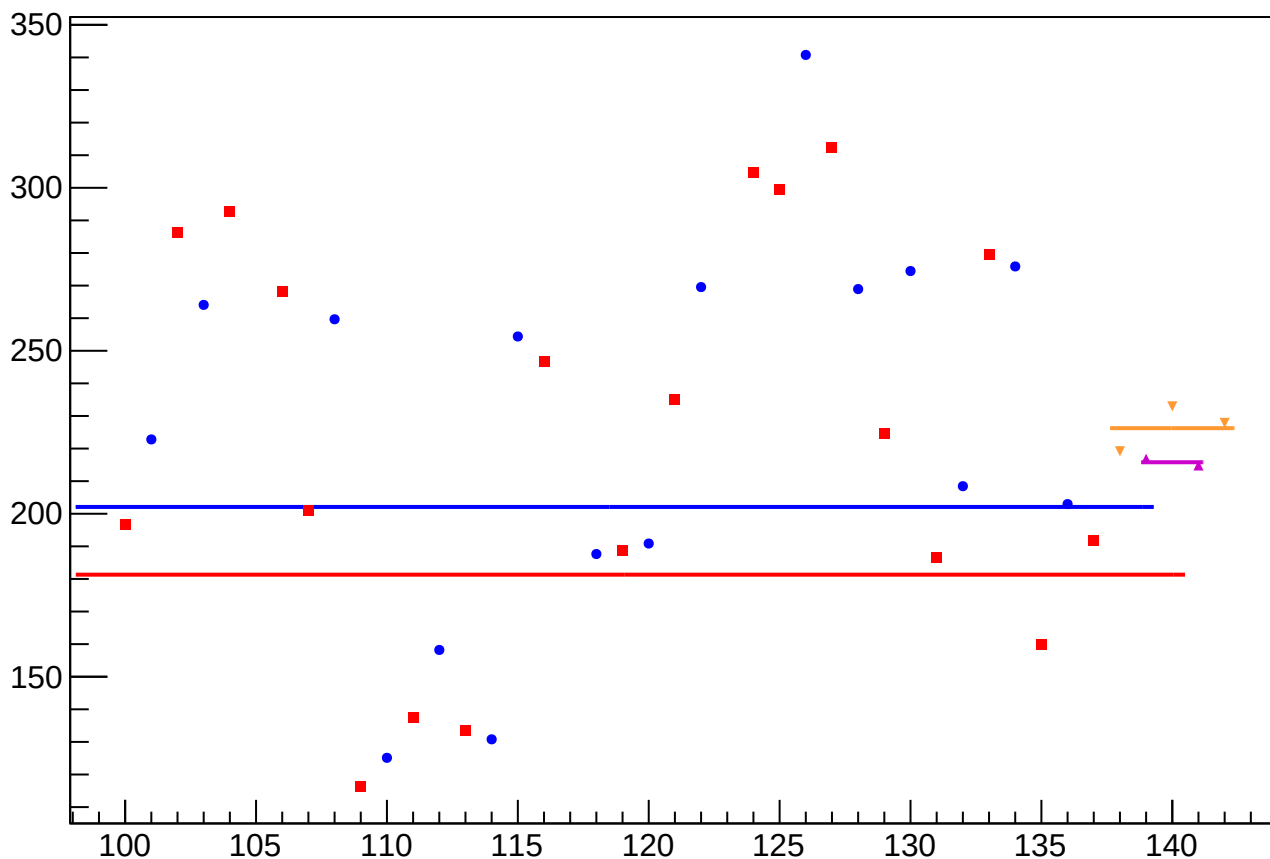
Left In: -302.571 ± 165.501 χ^2/NDF : 0.7/1

+ sign 33.915 ± 70.770 χ^2/NDF : 19.6/18

All: 47.628 ± 48.066 χ^2/NDF : 38.8/39

- sign 59.370 ± 65.489 χ^2/NDF : 19.1/20

asym_bcm_dg_us_rms vs Slug



Right In: 202.090 $\pm$ 0.056 χ^2 /NDF: 910259.2/15

Left Out: 226.259 $\pm$ 0.113 χ^2 /NDF:3001.9/2

Right Out: 181.312 $\pm$ 0.050 χ^2 /NDF: 1440989.4/18

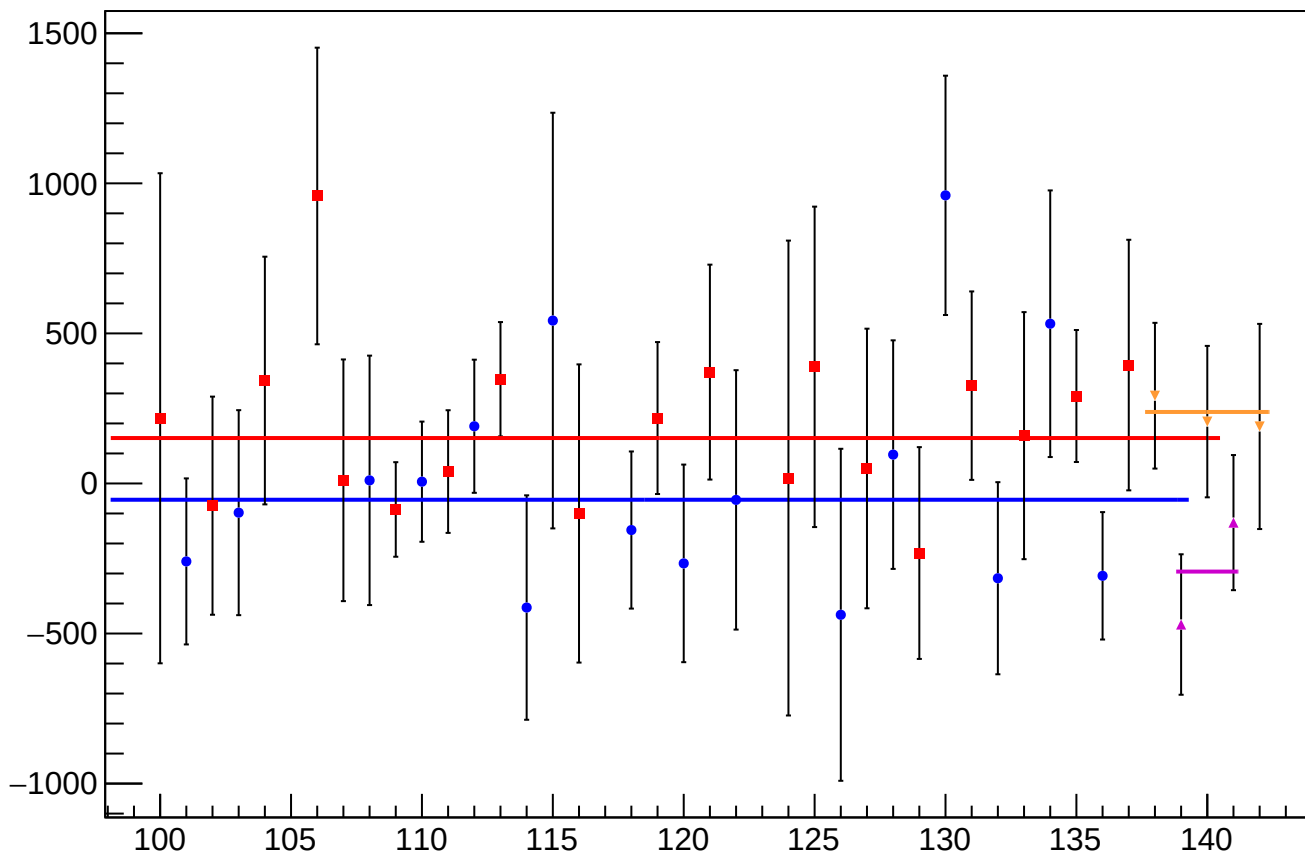
Left In: 215.800 $\pm$ 0.117 χ^2 /NDF:76.5/1

+ sign 206.861 $\pm$ 0.050 χ^2 /NDF: 950219.2/18

All: 196.007 $\pm$ 0.034 χ^2 /NDF: 2551868.7/39

- sign 186.712 $\pm$ 0.046 χ^2 /NDF: 1514315.6/20

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254 ± 77.946 χ^2/NDF : 15.1/15

Left Out: 238.227 ± 155.736 χ^2/NDF : 0.1/2

Right Out: 151.358 ± 69.902 χ^2/NDF : 10.2/18

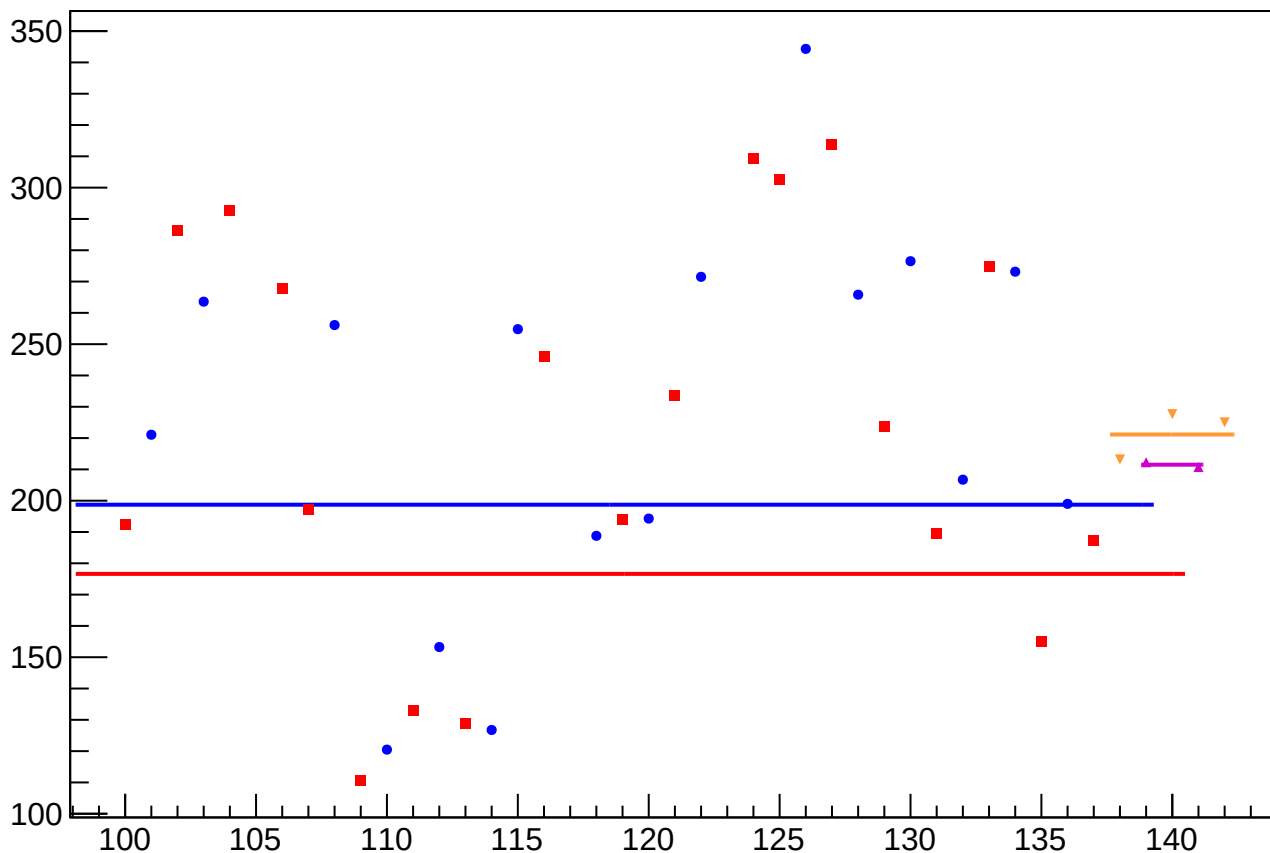
Left In: -293.625 ± 162.243 χ^2/NDF : 1.1/1

+ sign 4.336 ± 69.703 χ^2/NDF : 18.0/18

All: 46.188 ± 47.221 χ^2/NDF : 36.3/39

- sign 81.689 ± 64.197 χ^2/NDF : 17.7/20

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718 $\pm$ 0.055 χ^2 /NDF: 994068.9/15

Left Out: 221.141 $\pm$ 0.110 χ^2 /NDF:3748.9/2

Right Out: 176.621 $\pm$ 0.049 χ^2 /NDF: 1595710.1/18

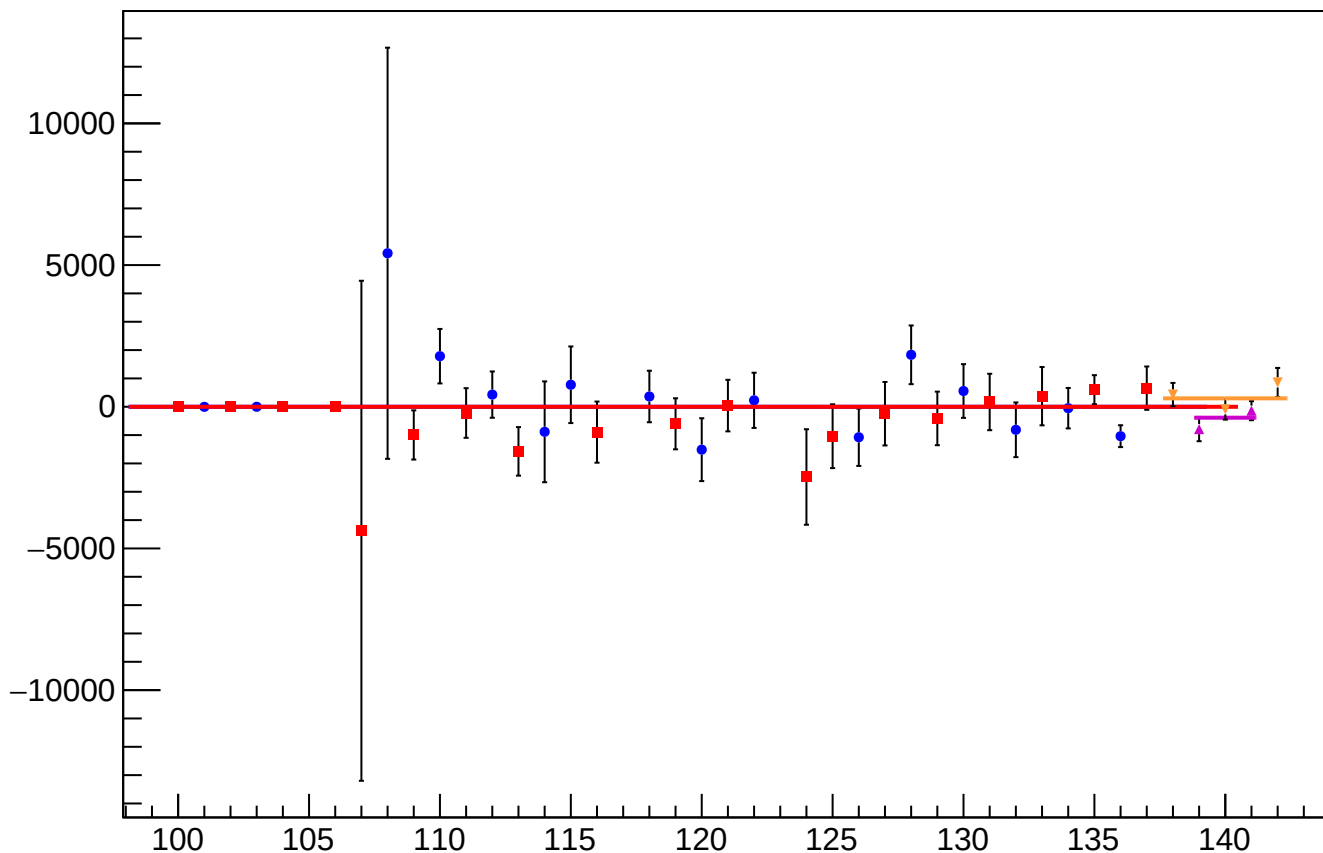
Left In: 211.500 $\pm$ 0.115 χ^2 /NDF:44.0/1

+ sign 203.210 $\pm$ 0.049 χ^2 /NDF: 1030972.6/18

All: 191.779 $\pm$ 0.033 χ^2 /NDF: 2804106.8/39

- sign 182.082 $\pm$ 0.045 χ^2 /NDF: 1673711.8/20

asym_cav4bQ_mean vs Slug



Right In: -1.239 ± 2.171 χ^2/NDF : 19.9/15

Left Out: 296.654 ± 240.597 χ^2/NDF : 2.4/2

Right Out: -1.377 ± 2.022 χ^2/NDF : 16.8/18

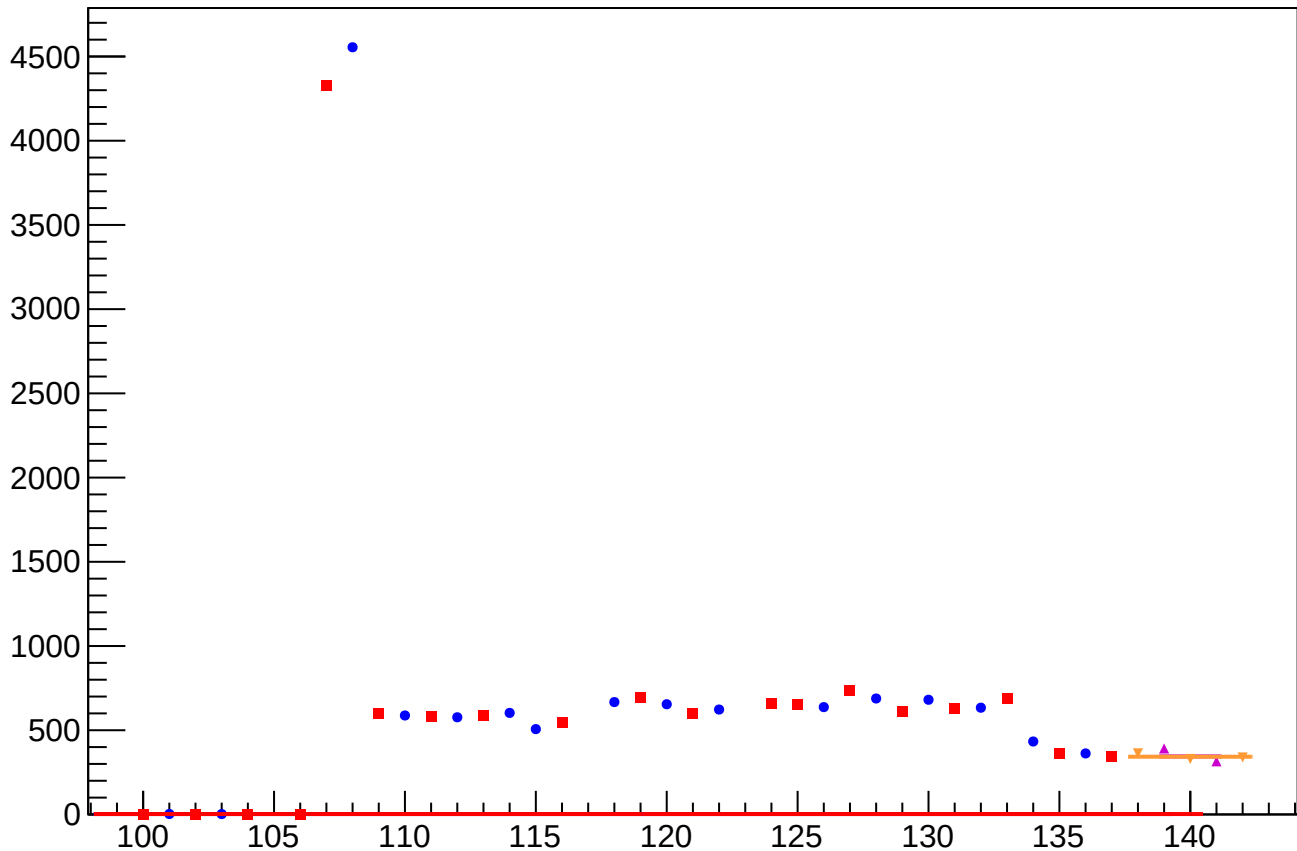
Left In: -386.088 ± 264.439 χ^2/NDF : 1.4/1

+ sign -1.215 ± 2.171 χ^2/NDF : 23.9/18

All: -1.314 ± 1.480 χ^2/NDF : 44.3/39

- sign -1.400 ± 2.022 χ^2/NDF : 20.4/20

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF : 11626192.3/15

Left Out: 342.749+/-0.170 χ^2/NDF : 7467.6/2

Right Out: 2.462+/-0.001 χ^2/NDF : 11545445.6/18

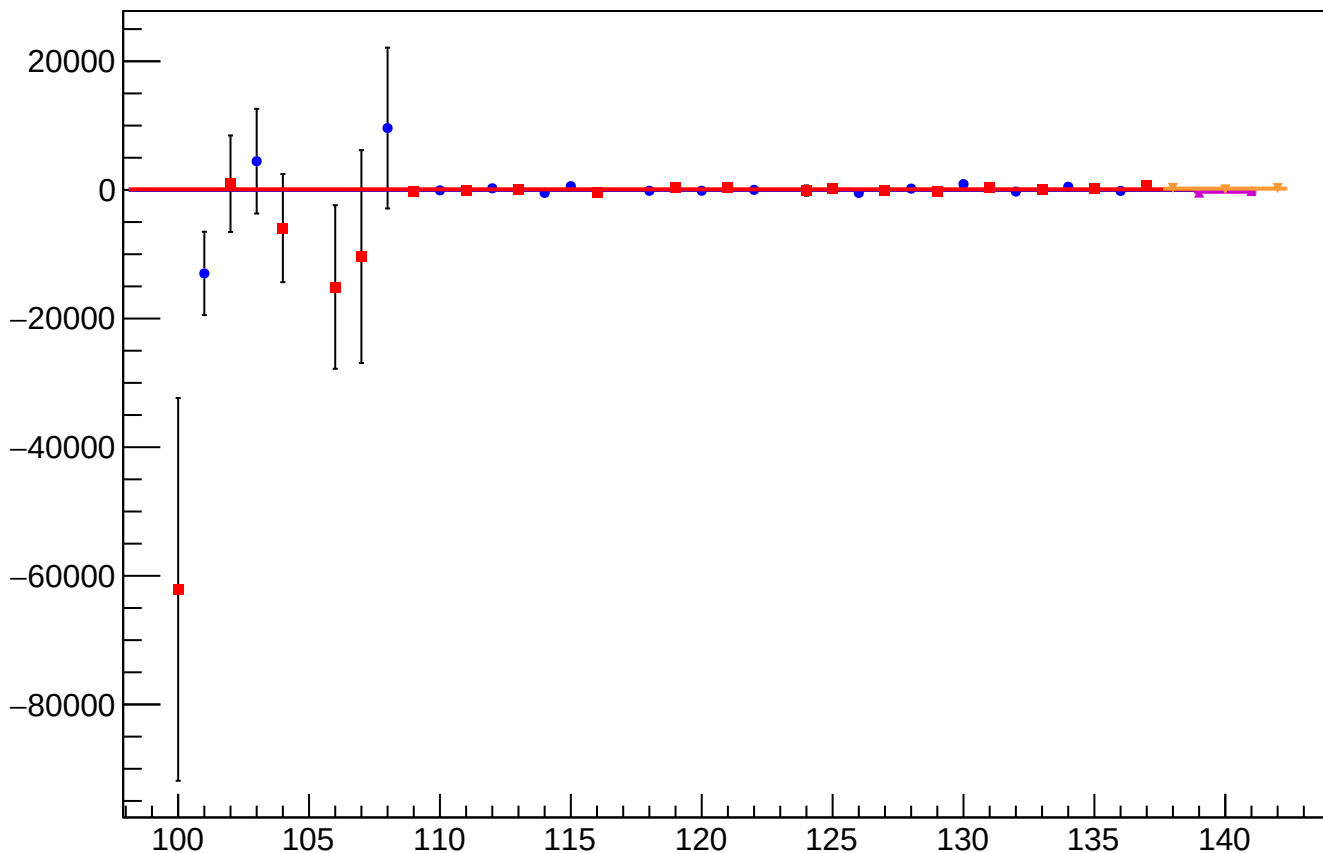
Left In: 344.630+/-0.187 χ^2/NDF : 39245.7/1

+ sign 2.504+/-0.002 χ^2/NDF : 15633728.7/18

All: 2.493+/-0.001 χ^2/NDF : 30566894.8/39

- sign 2.482+/-0.001 χ^2/NDF : 14933054.0/20

asym_cav4cQ_mean vs Slug



Right In: 0.575 ± 87.823 χ^2/NDF : 16.8/15

Left Out: 203.502 ± 157.244 χ^2/NDF : 0.5/2

Right Out: 88.089 ± 81.605 χ^2/NDF : 14.9/18

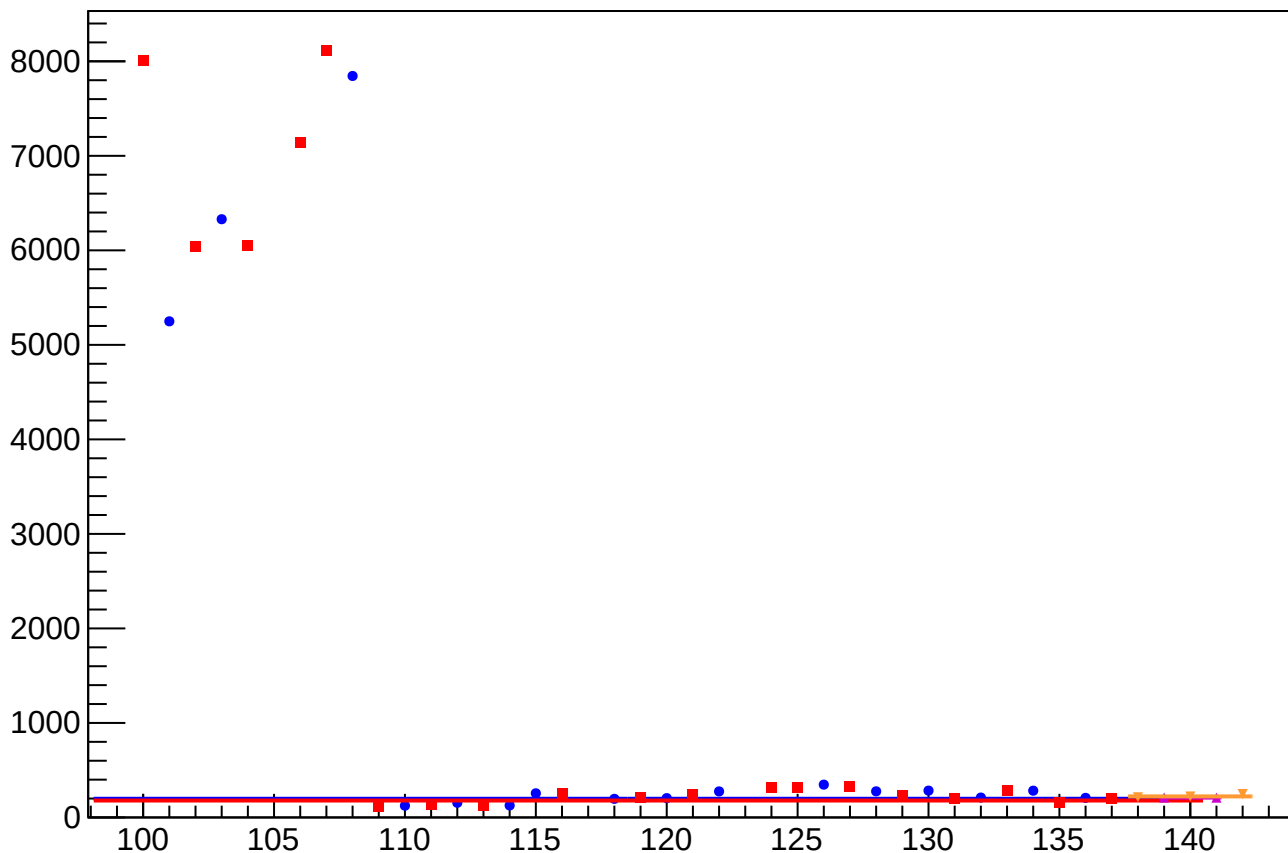
Left In: -287.774 ± 161.539 χ^2/NDF : 0.6/1

+ sign 48.825 ± 76.674 χ^2/NDF : 18.6/18

All: 29.295 ± 52.809 χ^2/NDF : 38.5/39

- sign 11.671 ± 72.838 χ^2/NDF : 19.8/20

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF : 3957192.6/15

Left Out: 222.658+/-0.111 χ^2/NDF :11711.8/2

Right Out: 179.250+/-0.058 χ^2/NDF : 4418422.9/18

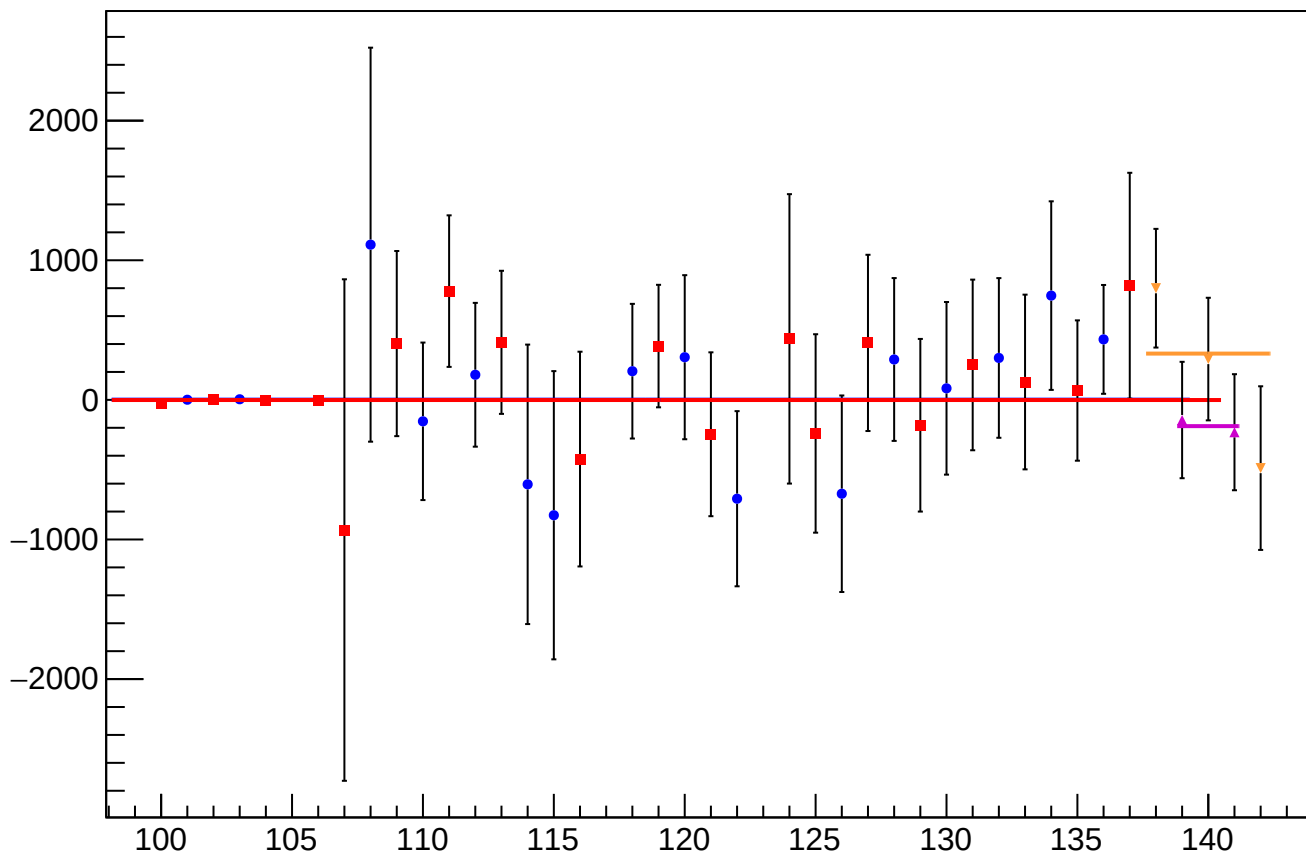
Left In: 210.104+/-0.114 χ^2/NDF :19.8/1

+ sign 203.573+/-0.054 χ^2/NDF : 4007555.5/18

All: 194.085+/-0.037 χ^2/NDF : 8542387.1/39

- sign 185.523+/-0.052 χ^2/NDF : 4476571.4/20

asym_cav4dQ_mean vs Slug



Right In: 1.456 ± 1.660 $\chi^2/\text{NDF}: 7.9/15$

Left Out: 331.535 ± 270.831 $\chi^2/\text{NDF}: 3.2/2$

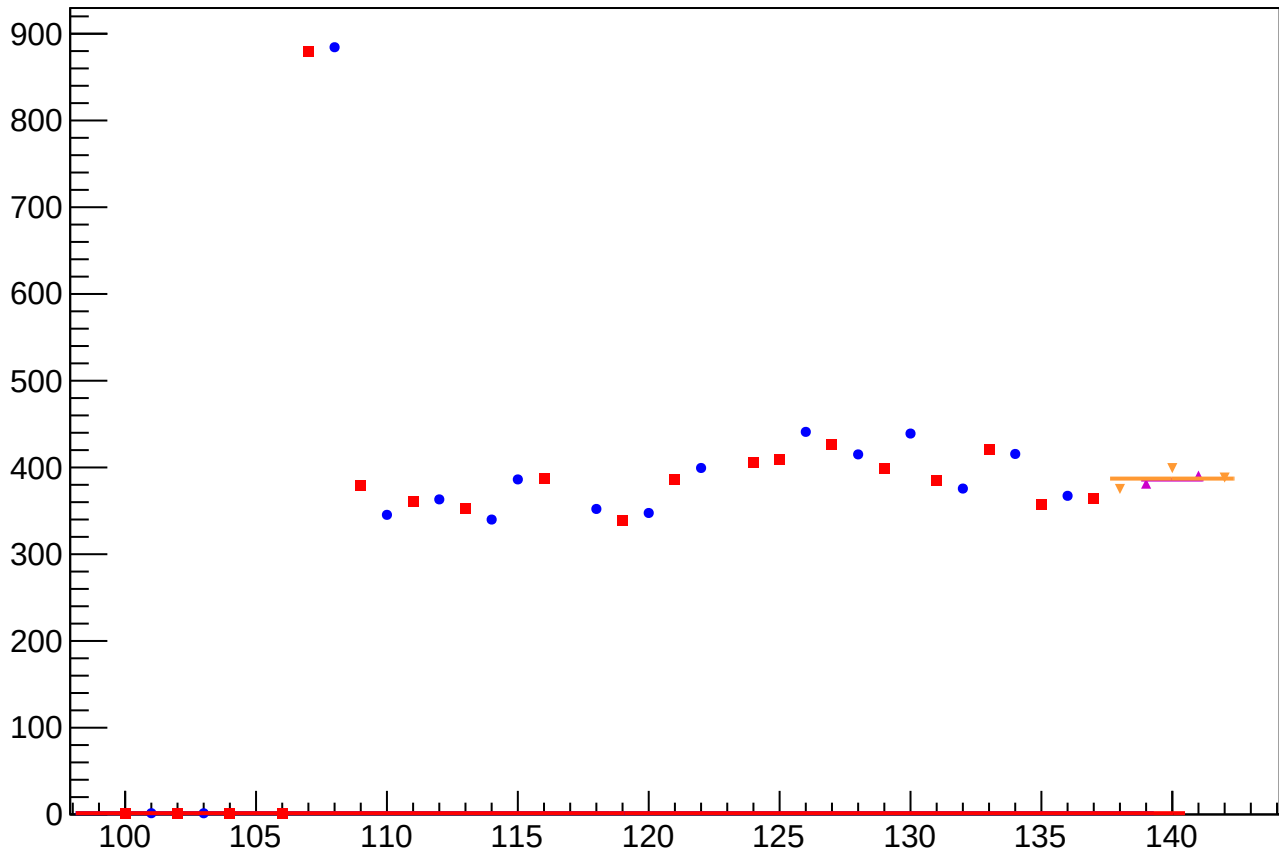
Right Out: -1.094 ± 1.528 $\chi^2/\text{NDF}: 9.2/18$

Left In: -188.116 ± 294.329 $\chi^2/\text{NDF}: 0.0/1$

+ sign 1.468 ± 1.660 $\chi^2/\text{NDF}: 12.6/18$

All: 0.078 ± 1.124 $\chi^2/\text{NDF}: 23.4/39$

- sign -1.099 ± 1.528 $\chi^2/\text{NDF}: 9.6/20$



Right In: 1.470+/-0.001 χ^2/NDF : 11735334.0/15

Left Out: 387.174+/-0.192 χ^2/NDF :3102.3/2

Right Out: 1.467+/-0.001 χ^2/NDF : 11270430.6/18

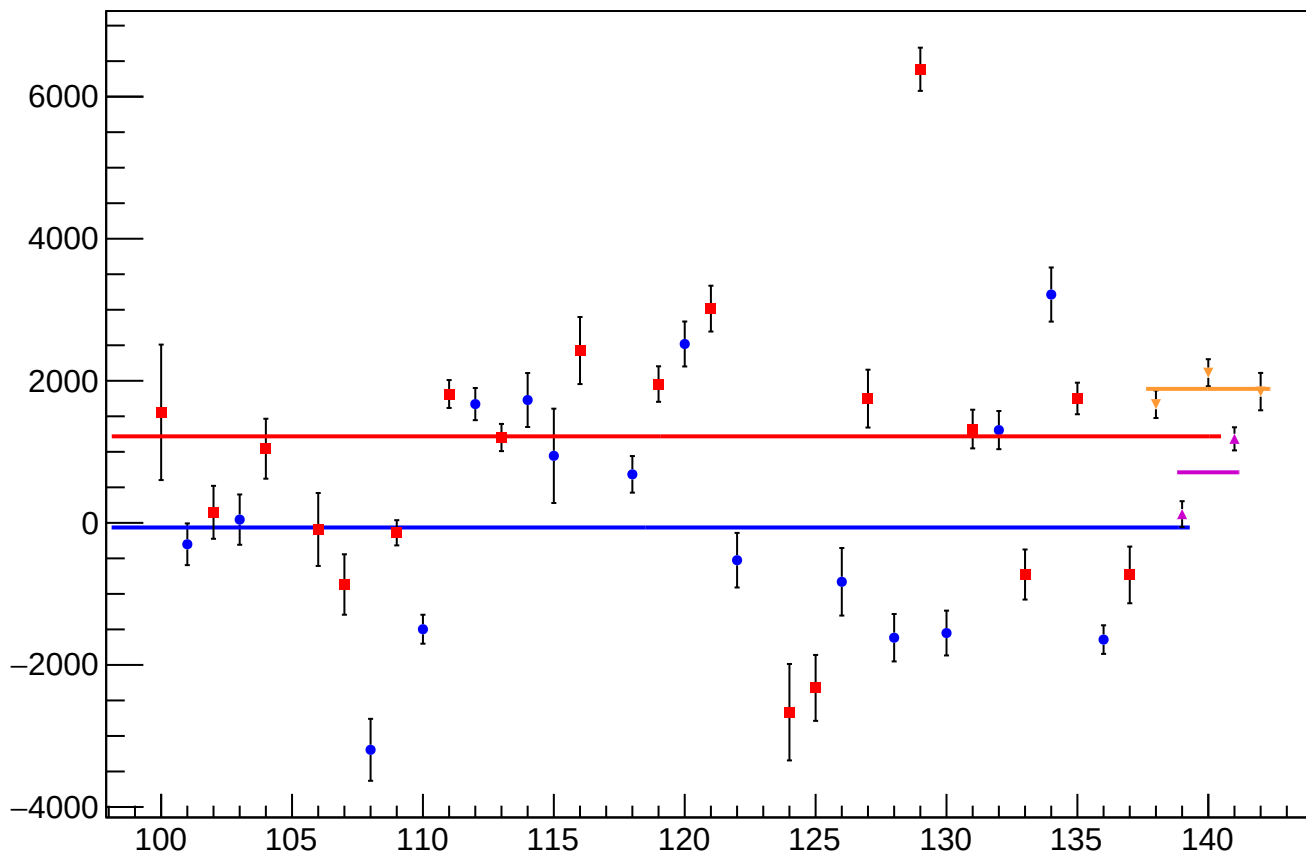
Left In: 386.012+/-0.208 χ^2/NDF :497.5/1

+ sign 1.485+/-0.001 χ^2/NDF : 15794681.1/18

All: 1.481+/-0.001 χ^2/NDF : 30479504.1/39

- sign 1.477+/-0.001 χ^2/NDF : 14684803.0/20

asym_bcm0l02_mean vs Slug



Right In: -64.993 ± 74.895 χ^2/NDF : 469.5/15

Left Out: 1886.283 ± 120.920 χ^2/NDF : 2.7/2

Right Out: 1217.846 ± 69.022 χ^2/NDF : 594.6/18

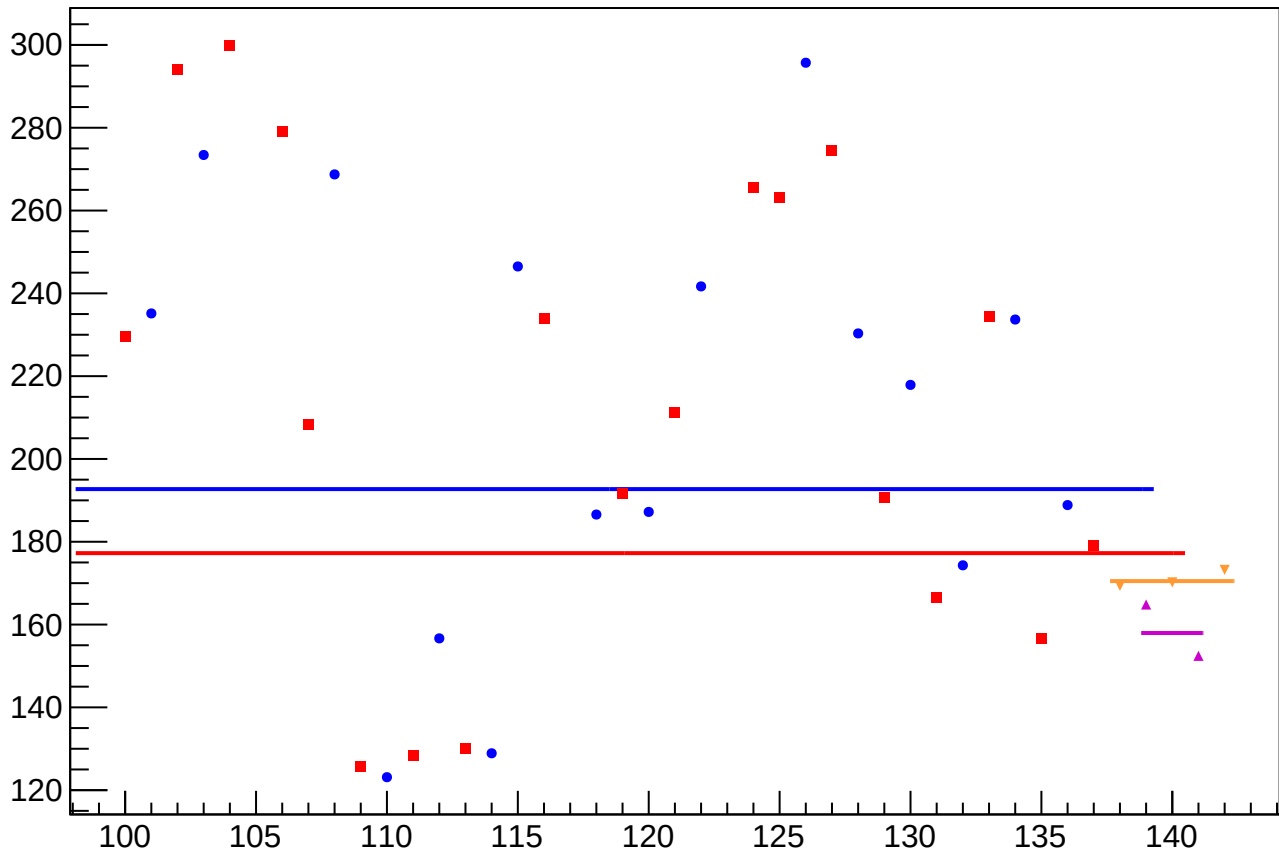
Left In: 711.679 ± 121.339 χ^2/NDF : 18.8/1

+ sign 476.019 ± 63.671 χ^2/NDF : 660.3/18

All: 803.419 ± 43.665 χ^2/NDF : 1336.8/39

- sign 1094.103 ± 59.995 χ^2/NDF : 626.6/20

asym_bcm0l02_rms vs Slug



Right In: 192.719 ± 0.053 $\chi^2/\text{NDF}: 759146.3/15$

Left Out: 170.503 ± 0.086 $\chi^2/\text{NDF}: 286.1/2$

Right Out: 177.251 ± 0.049 $\chi^2/\text{NDF}: 1226180.2/18$

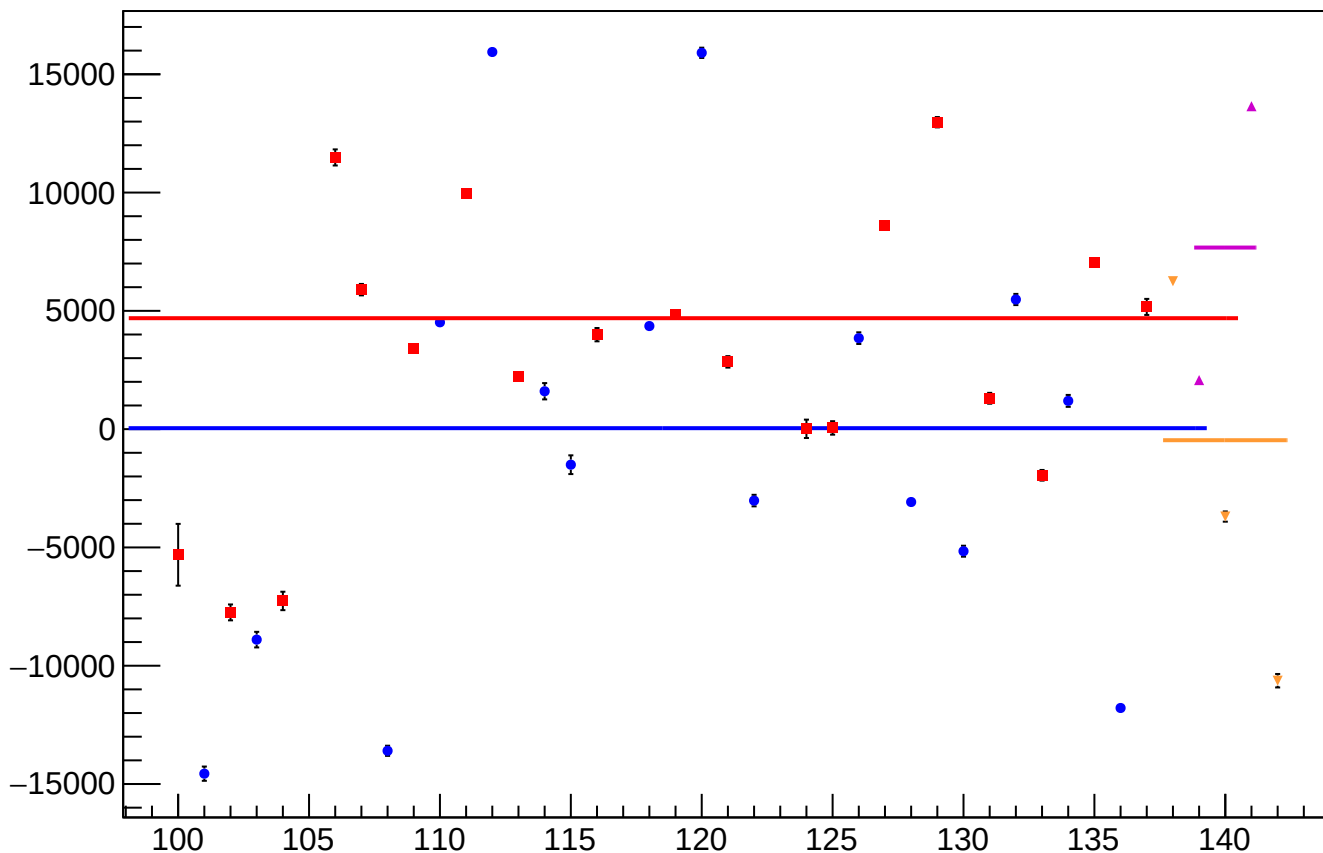
Left In: 157.960 ± 0.086 $\chi^2/\text{NDF}: 5155.3/1$

+ sign 186.560 ± 0.045 $\chi^2/\text{NDF}: 808222.2/18$

All: 179.131 ± 0.031 $\chi^2/\text{NDF}: 2129149.0/39$

- sign 172.535 ± 0.042 $\chi^2/\text{NDF}: 1269529.0/20$

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2 /NDF: 30786.3/15

Left Out: -467.950+/-126.390 χ^2 /NDF:2803.0/2

Right Out: 4689.710+/-52.095 χ^2 /NDF: 7795.7/18

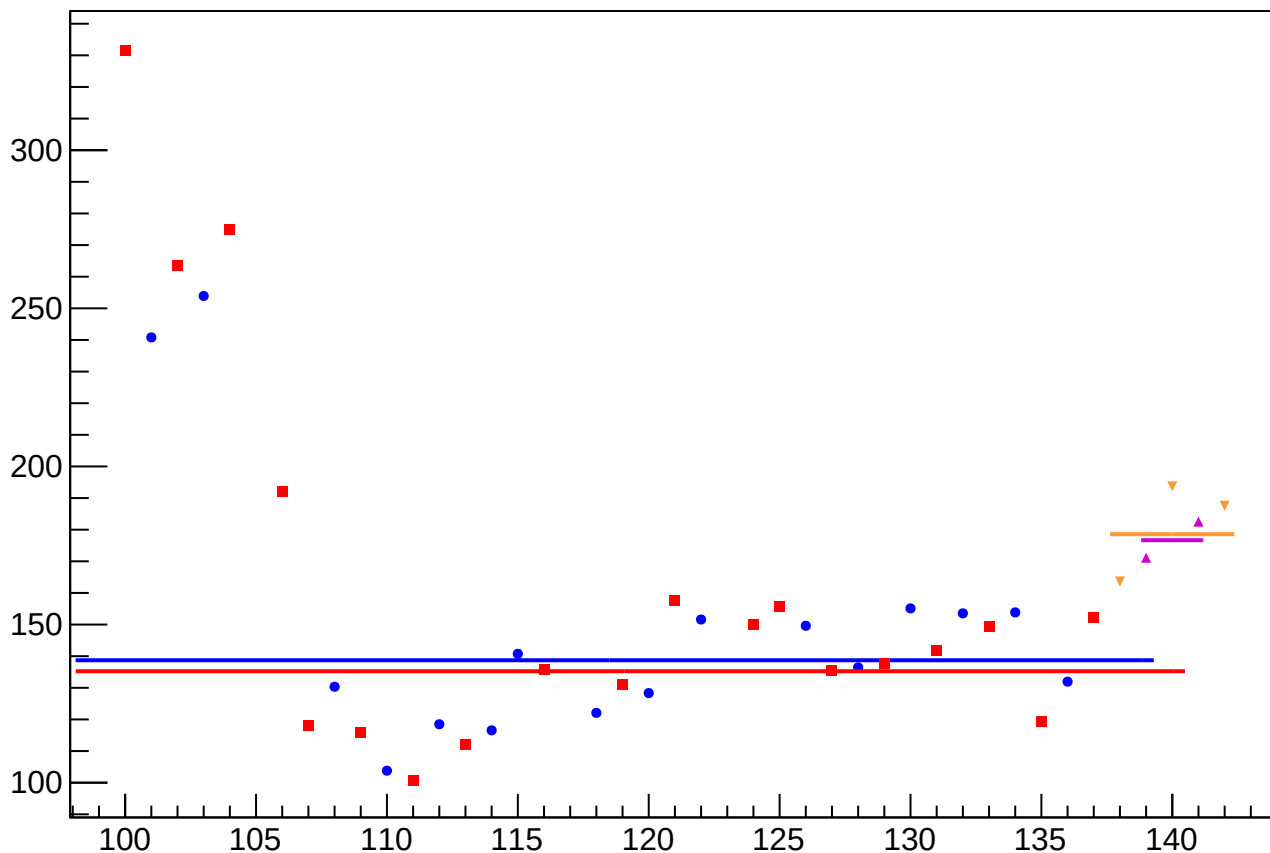
Left In: 7675.269+/-135.766 χ^2 /NDF:1815.7/1

+ sign -38.125+/-49.812 χ^2 /NDF: 33603.0/18

All: 2578.342+/-34.800 χ^2 /NDF: 49025.4/39

- sign 5072.874+/-48.637 χ^2 /NDF: 10032.9/20

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF : 657791.3/15

Left Out: 178.579+/-0.089 χ^2/NDF : 24749.8/2

Right Out: 135.245+/-0.037 χ^2/NDF : 890024.8/18

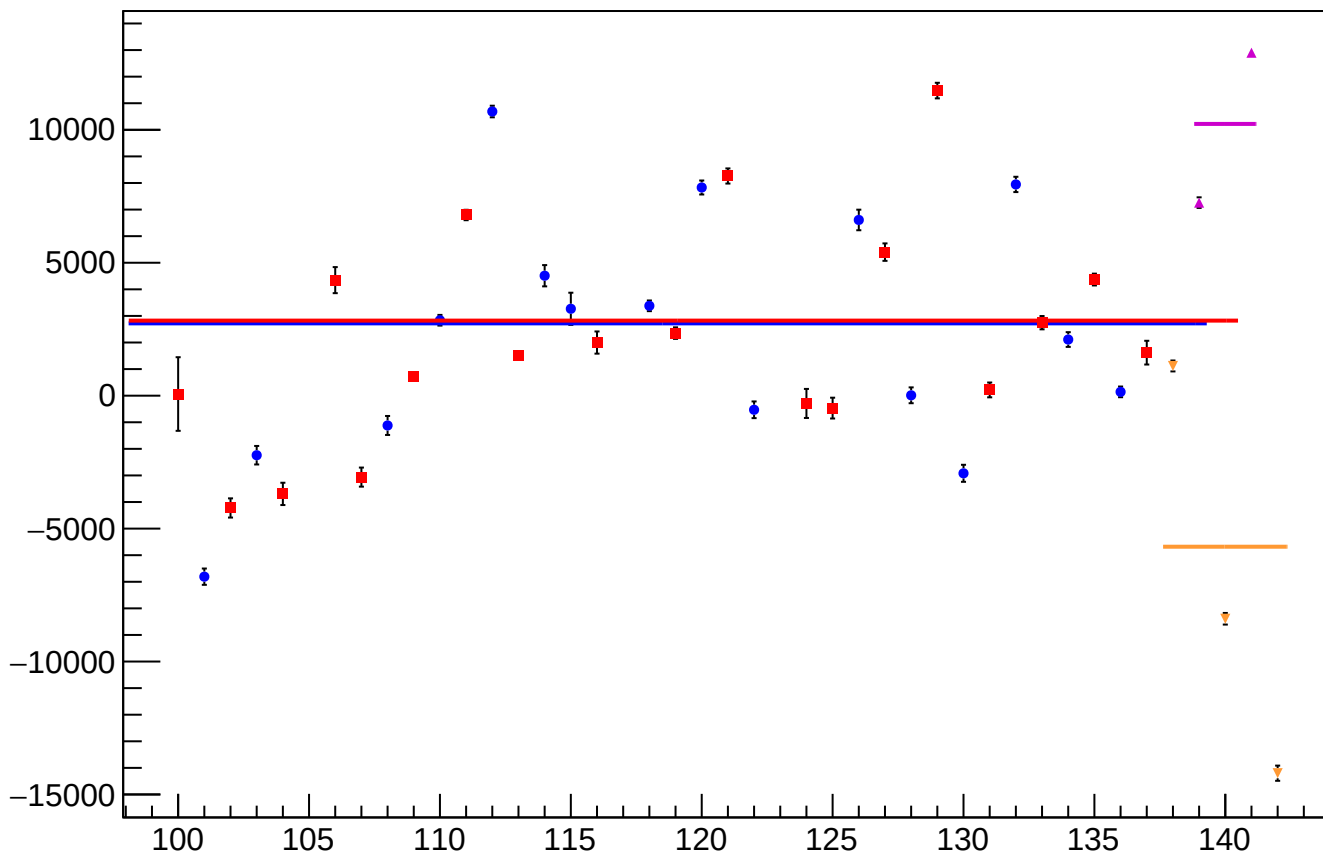
Left In: 176.672+/-0.096 χ^2/NDF : 3527.2/1

+ sign 144.904+/-0.035 χ^2/NDF : 850626.6/18

All: 142.681+/-0.025 χ^2/NDF : 1914276.2/39

- sign 140.562+/-0.034 χ^2/NDF : 1055868.3/20

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896 $\pm$ 69.247 χ^2 /NDF: 4129.3/15

Left Out: -5681.114 $\pm$ 132.562 χ^2 /NDF:2138.5/2

Right Out: 2823.679 $\pm$ 64.850 χ^2 /NDF: 3062.8/18

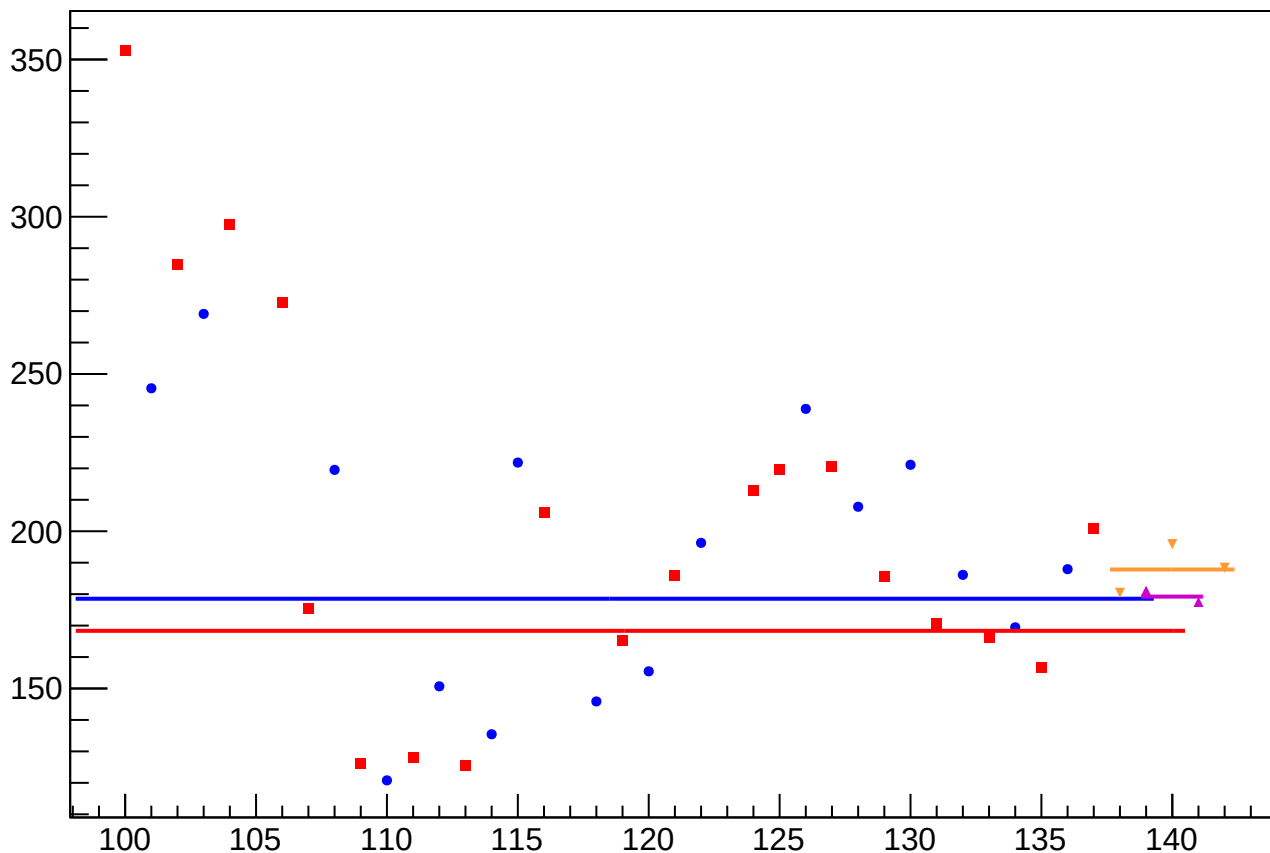
Left In: 10221.655 $\pm$ 137.394 χ^2 /NDF:420.1/1

+ sign 918.923 $\pm$ 61.377 χ^2 /NDF: 9423.0/18

All: 2619.228 $\pm$ 42.402 χ^2 /NDF: 16745.0/39

- sign 4171.552 $\pm$ 58.646 χ^2 /NDF: 5853.9/20

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF : 674566.0/15

Left Out: 187.837+/-0.094 χ^2/NDF : 5338.7/2

Right Out: 168.335+/-0.046 χ^2/NDF : 979485.9/18

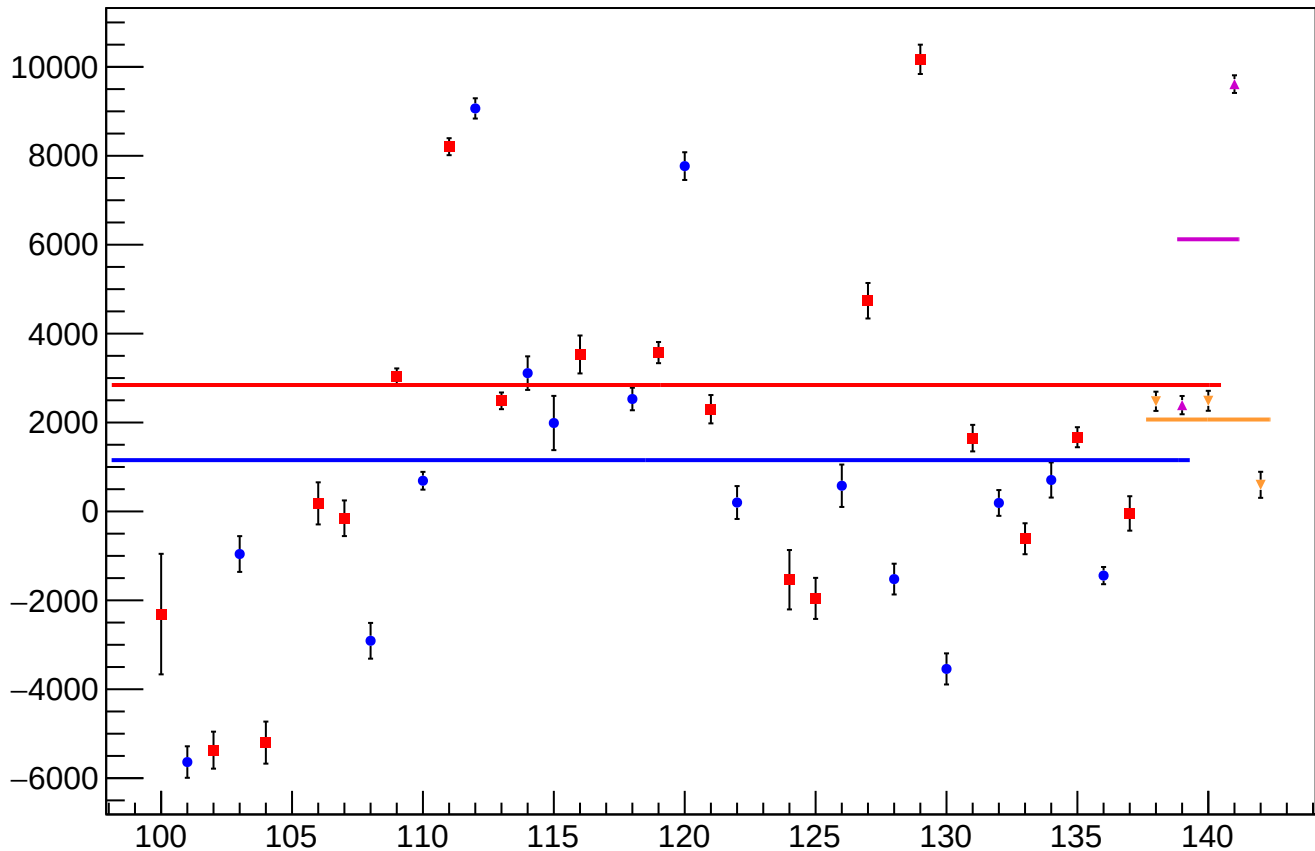
Left In: 179.221+/-0.097 χ^2/NDF : 336.9/1

+ sign 180.534+/-0.043 χ^2/NDF : 687631.8/18

All: 175.194+/-0.030 χ^2/NDF : 1706686.2/39

- sign 170.318+/-0.041 χ^2/NDF : 990090.5/20

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF : 2655.3/15

Left Out: 2067.370+/-137.548 χ^2/NDF : 32.3/2

Right Out: 2843.895+/-69.139 χ^2/NDF : 2453.1/18

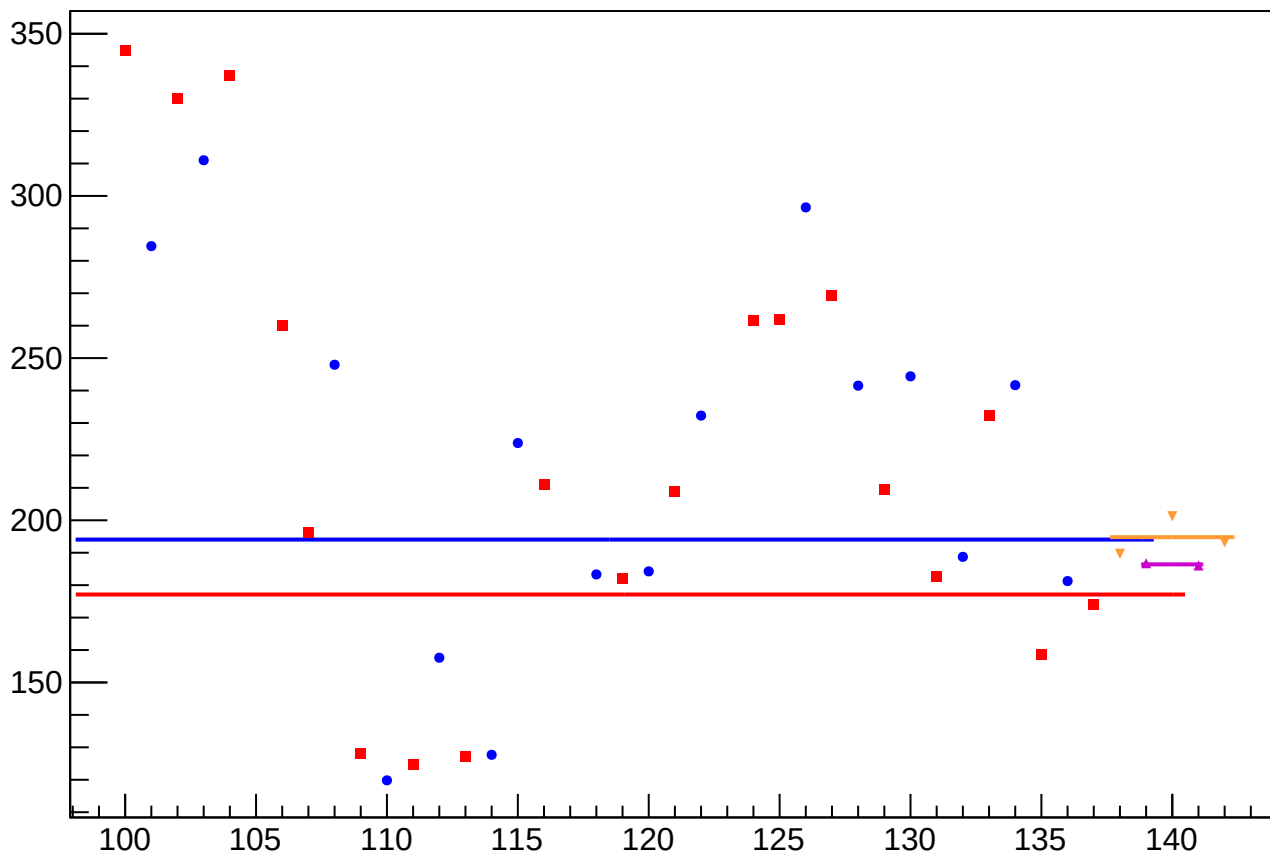
Left In: 6121.840+/-142.841 χ^2/NDF : 638.2/1

+ sign 1367.307+/-66.492 χ^2/NDF : 2721.4/18

All: 2486.079+/-45.436 χ^2/NDF : 6770.5/39

- sign 3466.094+/-62.232 χ^2/NDF : 3518.0/20

asym_bpm0i05WS_rms vs Slug



Right In: 194.053 +/- 0.054 χ^2/NDF : 965786.1/15

Left Out: 194.791 +/- 0.097 χ^2/NDF : 2828.8/2

Right Out: 177.115 +/- 0.049 χ^2/NDF : 1359345.8/18

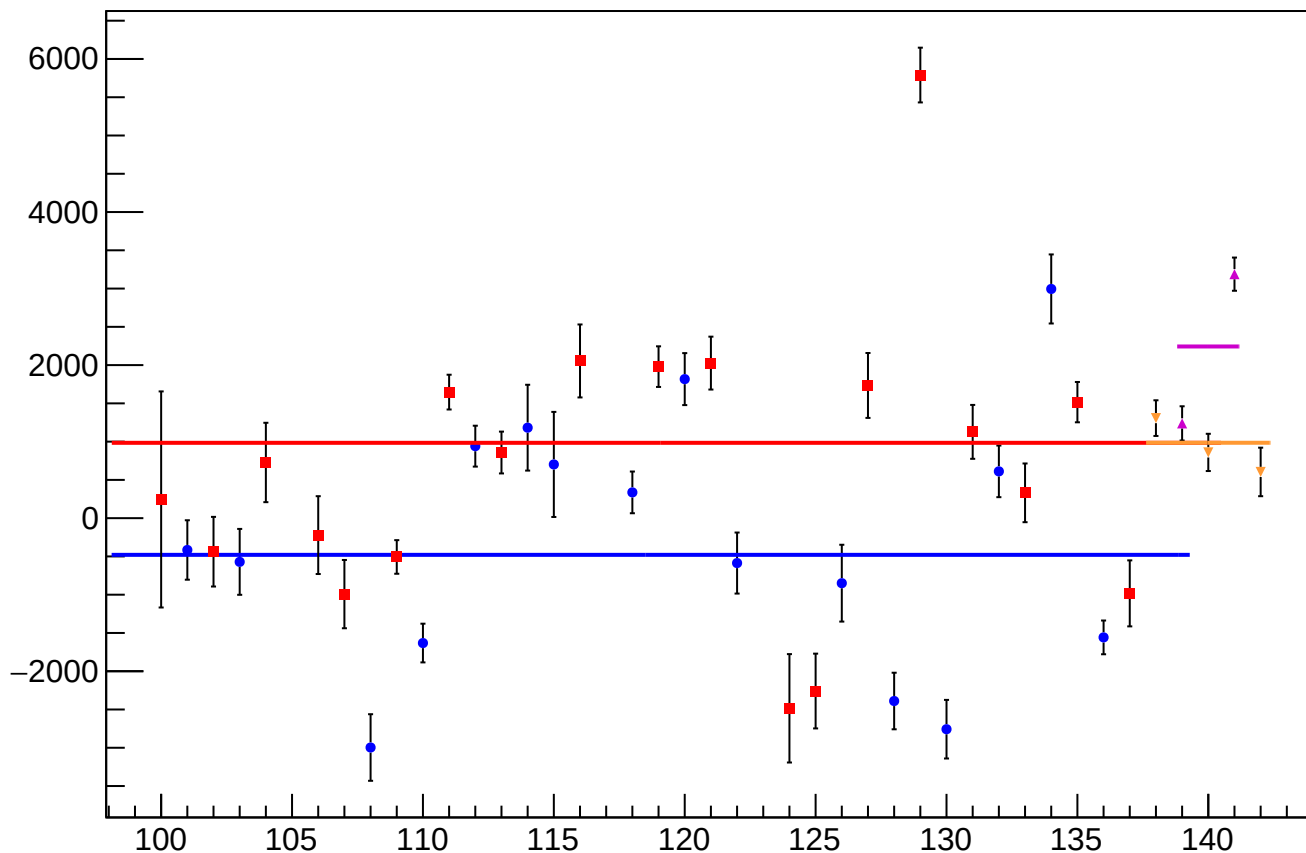
Left In: 186.407 +/- 0.101 χ^2/NDF : 11.7/1

+ sign 194.226 +/- 0.047 χ^2/NDF : 968659.1/18

All: 186.045 +/- 0.032 χ^2/NDF : 2391666.6/39

- sign 178.879 +/- 0.044 χ^2/NDF : 1366214.5/20

asym_bpm0i07WS_mean vs Slug



Right In: -479.302 ± 86.685 χ^2/NDF : 305.4/15

Left Out: 985.291 ± 148.643 χ^2/NDF : 3.6/2

Right Out: 984.498 ± 80.945 χ^2/NDF : 398.1/18

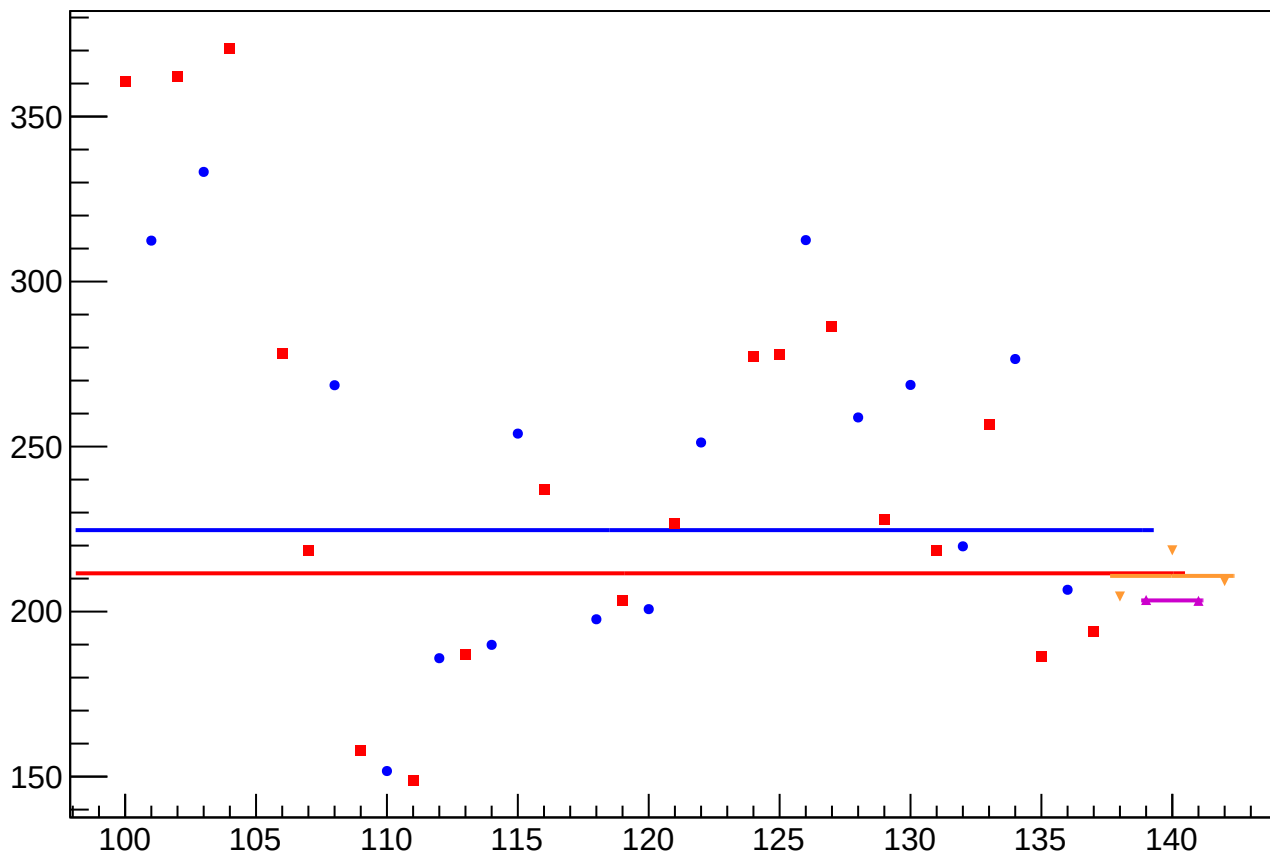
Left In: 2243.328 ± 155.681 χ^2/NDF : 39.2/1

+ sign -107.613 ± 74.882 χ^2/NDF : 381.5/18

All: 600.782 ± 51.832 χ^2/NDF : 1042.1/39

- sign 1252.390 ± 71.818 χ^2/NDF : 488.8/20

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF : 653193.4/15

Left Out: 210.816+/-0.105 χ^2/NDF : 3515.4/2

Right Out: 211.595+/-0.057 χ^2/NDF : 932902.5/18

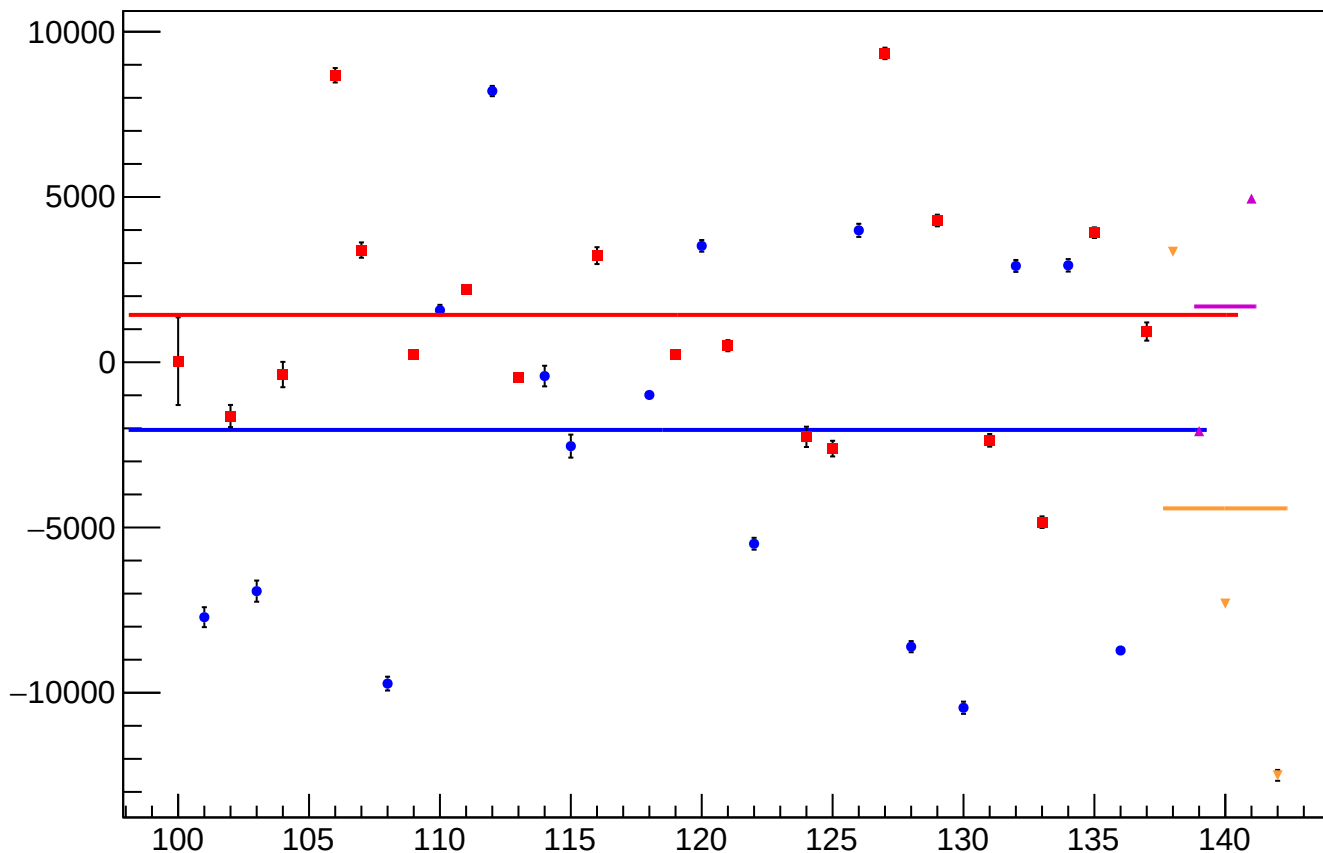
Left In: 203.386+/-0.110 χ^2/NDF : 1.4/1

+ sign 221.163+/-0.053 χ^2/NDF : 669697.7/18

All: 215.269+/-0.037 χ^2/NDF : 1630767.6/39

- sign 209.848+/-0.051 χ^2/NDF : 937281.7/20

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267 ± 46.722 $\chi^2/\text{NDF}: 16709.1/15$

Left Out: -4421.226 ± 78.910 $\chi^2/\text{NDF}: 6631.2/2$

Right Out: 1432.909 ± 44.729 $\chi^2/\text{NDF}: 6387.8/18$

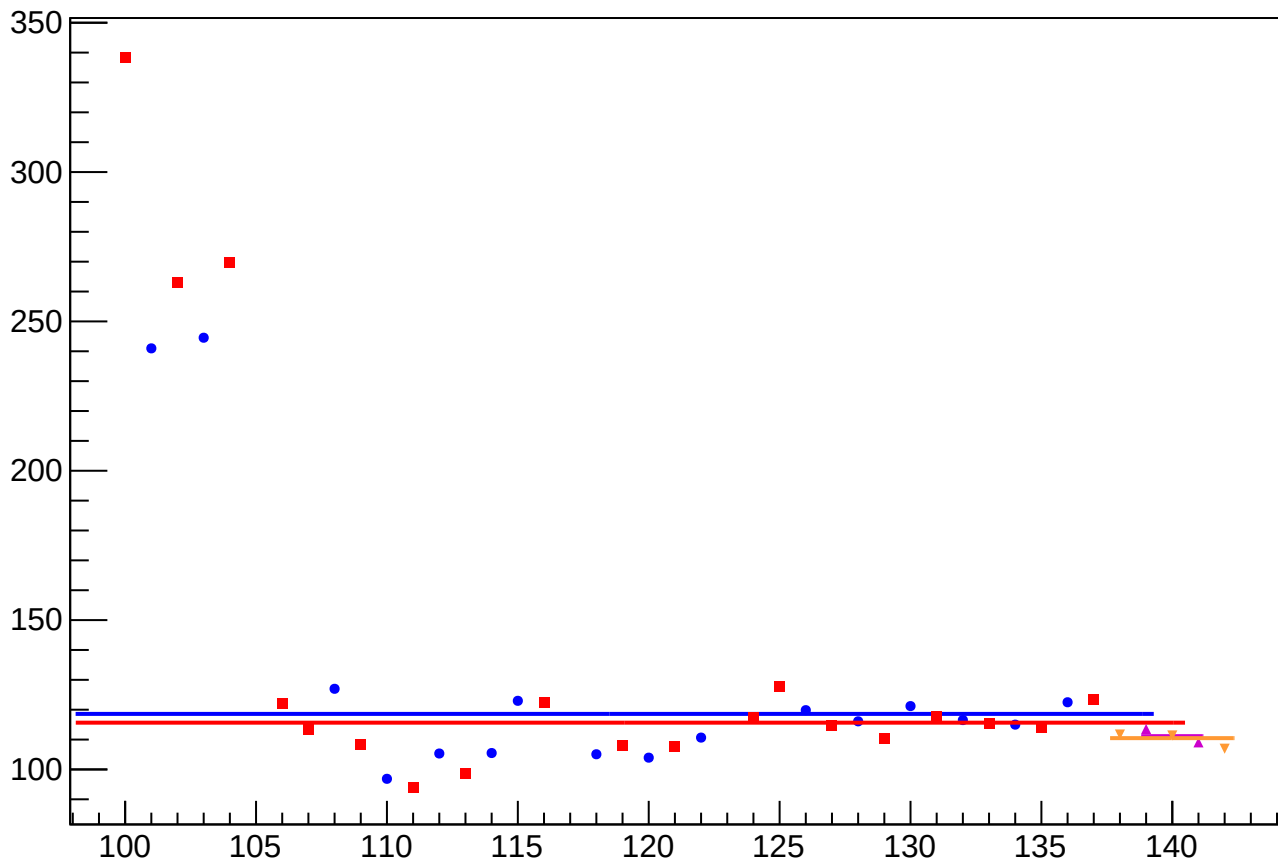
Left In: 1687.601 ± 86.208 $\chi^2/\text{NDF}: 1657.2/1$

+ sign -2663.486 ± 40.203 $\chi^2/\text{NDF}: 24010.5/18$

All: -562.295 ± 28.249 $\chi^2/\text{NDF}: 37457.9/39$

- sign 1486.931 ± 39.703 $\chi^2/\text{NDF}: 8051.8/20$

asym_bpm1i02WS_rms vs Slug



Right In: 118.596 $\pm$ 0.033 χ^2 /NDF: 734158.7/15

Left Out: 110.481 $\pm$ 0.056 χ^2 /NDF:1207.3/2

Right Out: 115.660 $\pm$ 0.032 χ^2 /NDF: 864206.3/18

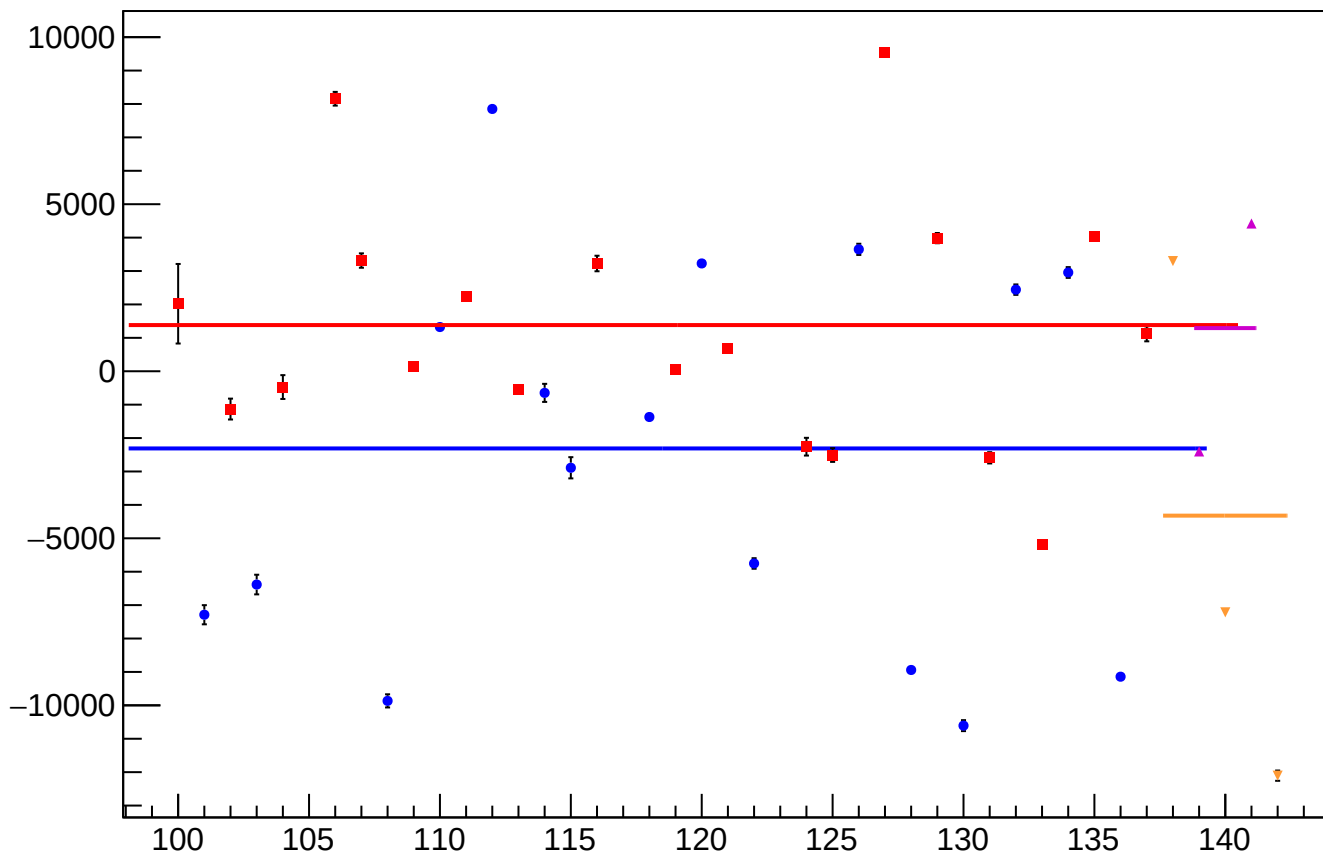
Left In: 111.146 $\pm$ 0.061 χ^2 /NDF:1344.8/1

+ sign 116.489 $\pm$ 0.028 χ^2 /NDF: 751027.9/18

All: 115.585 $\pm$ 0.020 χ^2 /NDF: 1622900.1/39

- sign 114.702 $\pm$ 0.028 χ^2 /NDF: 869871.3/20

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581 ± 40.734 $\chi^2/\text{NDF}: 21679.5/15$

Left Out: -4321.922 ± 71.808 $\chi^2/\text{NDF}: 7459.9/2$

Right Out: 1382.178 ± 39.342 $\chi^2/\text{NDF}: 8578.9/18$

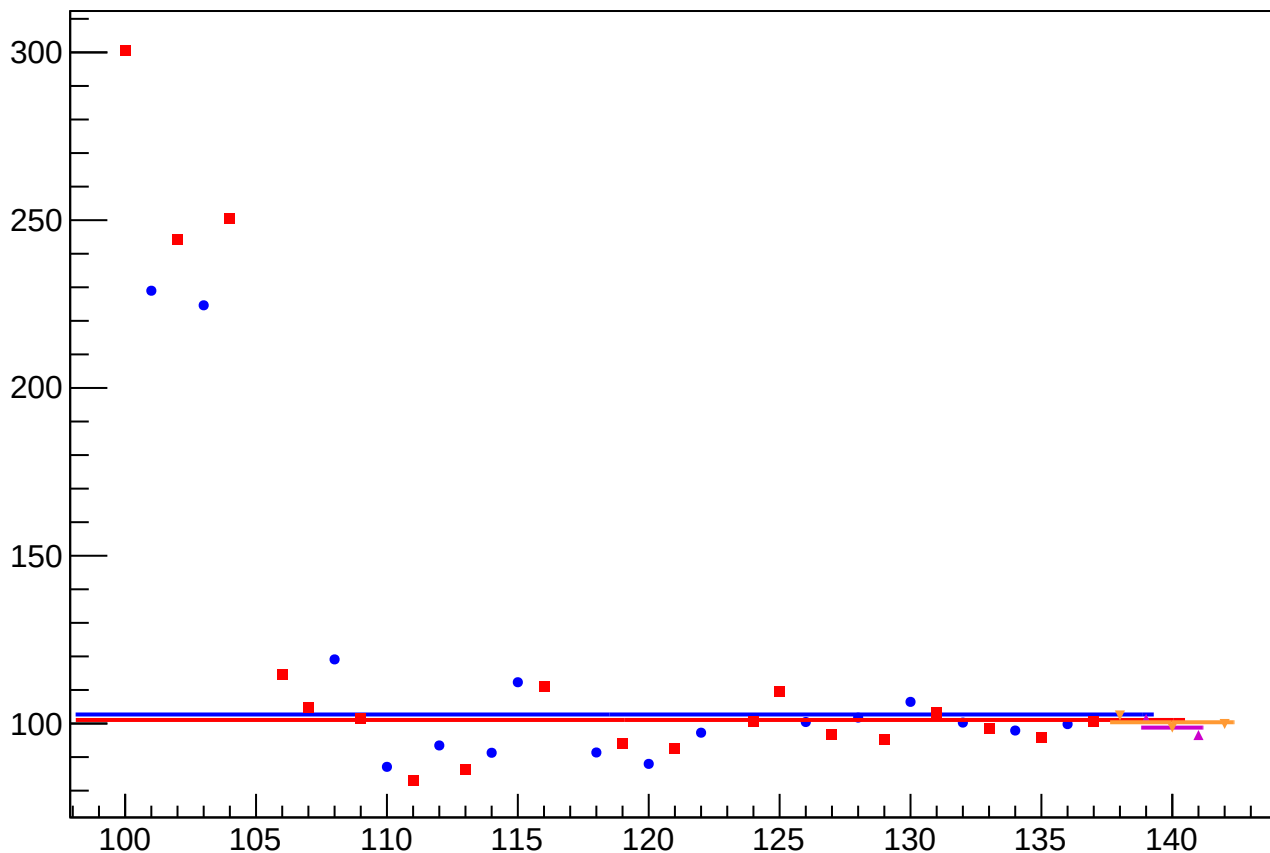
Left In: 1291.619 ± 76.749 $\chi^2/\text{NDF}: 1961.8/1$

+ sign -2800.242 ± 35.431 $\chi^2/\text{NDF}: 29733.0/18$

All: -693.594 ± 24.903 $\chi^2/\text{NDF}: 47261.8/39$

- sign 1363.334 ± 35.010 $\chi^2/\text{NDF}: 10541.7/20$

asym_bpm2i01WS_rms vs Slug



Right In: 102.694 $\pm$ 0.029 χ^2 /NDF: 825801.5/15

Left Out: 100.379 $\pm$ 0.051 χ^2 /NDF:1013.7/2

Right Out: 101.063 $\pm$ 0.028 χ^2 /NDF: 930458.1/18

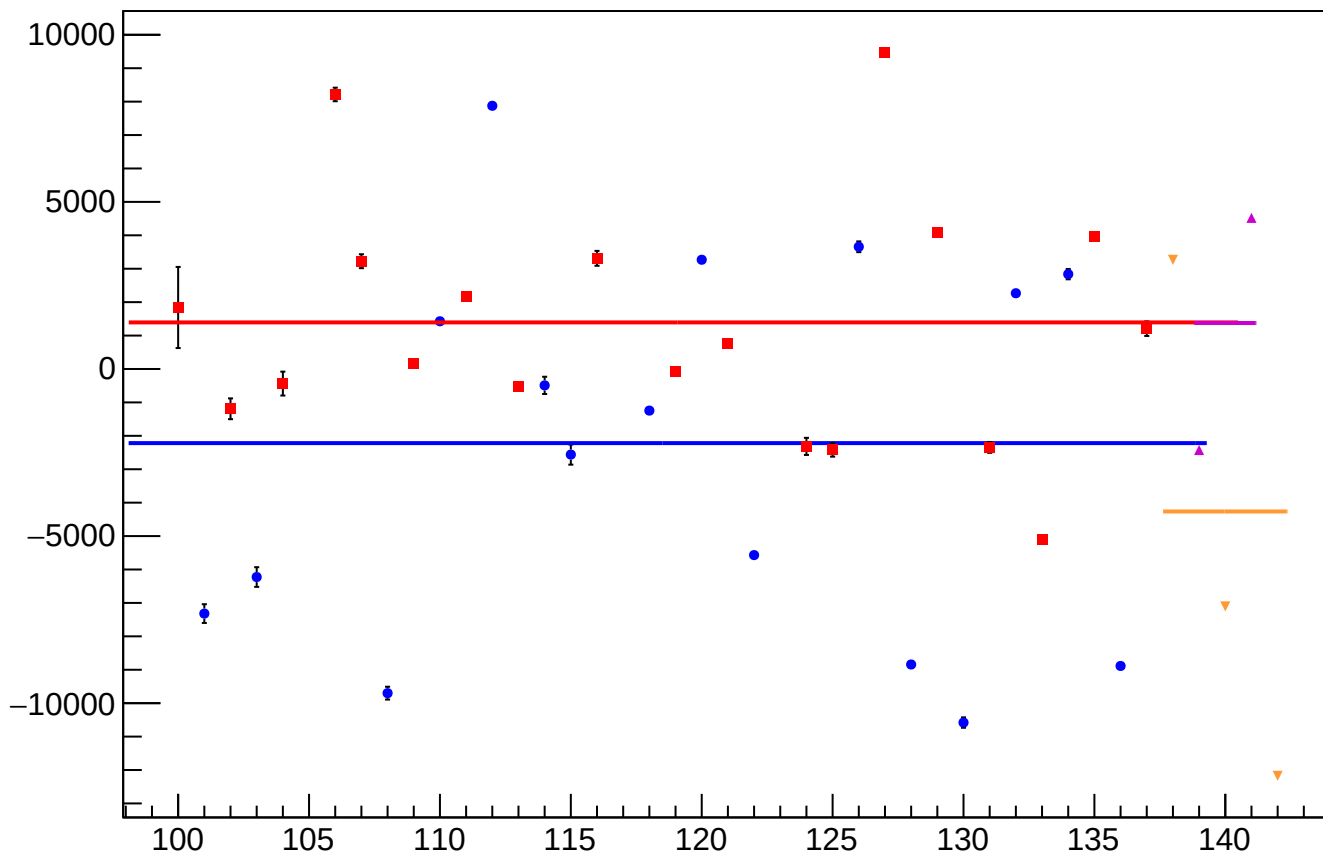
Left In: 98.784 $\pm$ 0.054 χ^2 /NDF:1957.3/1

+ sign 102.130 $\pm$ 0.025 χ^2 /NDF: 828387.7/18

All: 101.350 $\pm$ 0.018 χ^2 /NDF: 1764114.6/39

- sign 100.589 $\pm$ 0.025 χ^2 /NDF: 933812.3/20

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049 ± 39.039 $\chi^2/\text{NDF}: 23040.7/15$

Left Out: -4263.723 ± 69.343 $\chi^2/\text{NDF}: 7956.9/2$

Right Out: 1393.557 ± 37.580 $\chi^2/\text{NDF}: 9152.1/18$

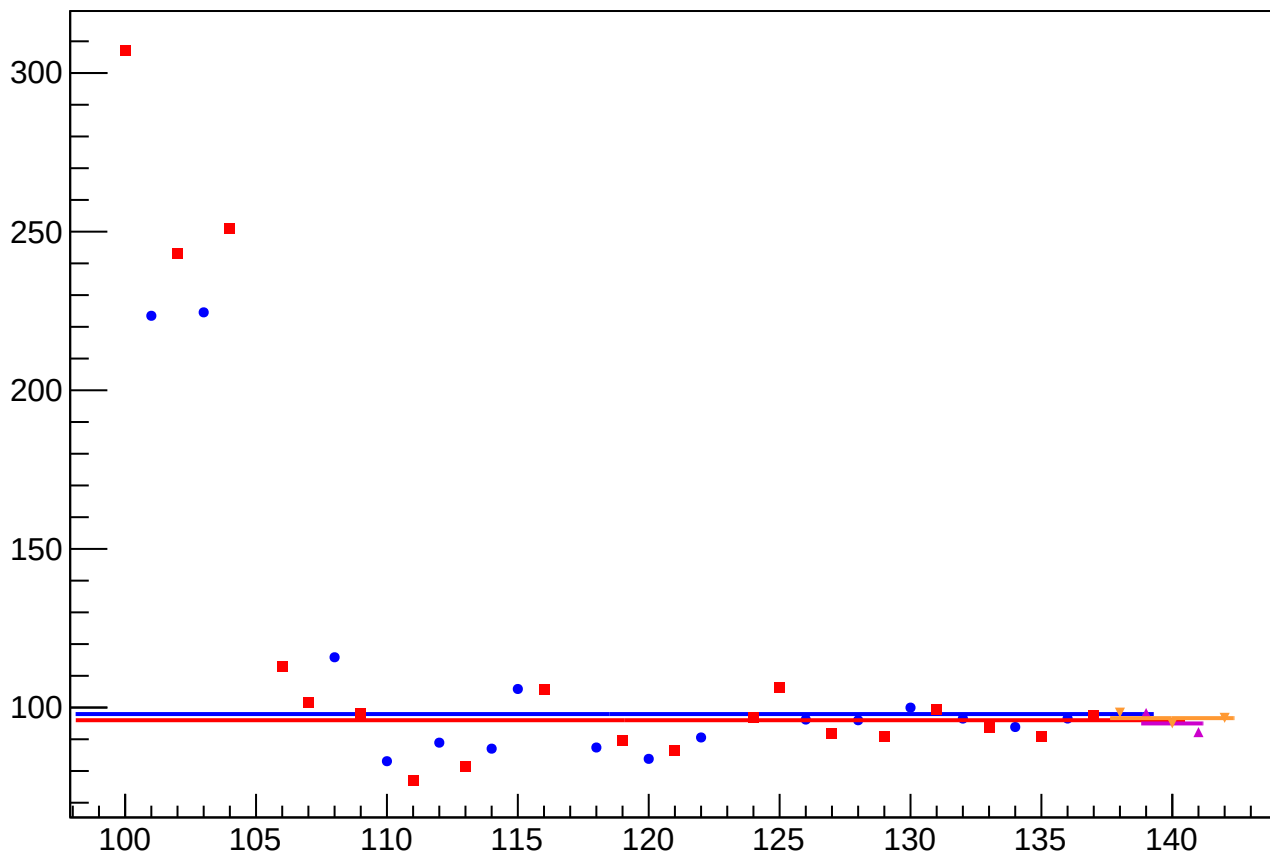
Left In: 1376.193 ± 74.026 $\chi^2/\text{NDF}: 2182.5/1$

+ sign -2710.381 ± 34.018 $\chi^2/\text{NDF}: 31658.4/18$

All: -629.279 ± 23.872 $\chi^2/\text{NDF}: 50367.0/39$

- sign 1389.999 ± 33.509 $\chi^2/\text{NDF}: 11334.7/20$

asym_bpm2i02WS_rms vs Slug



Right In: 97.944 $\pm$ 0.028 χ^2 /NDF: 868148.4/15

Left Out: 96.660 $\pm$ 0.049 χ^2 /NDF: 937.0/2

Right Out: 96.005 $\pm$ 0.027 χ^2 /NDF: 1012287.0/18

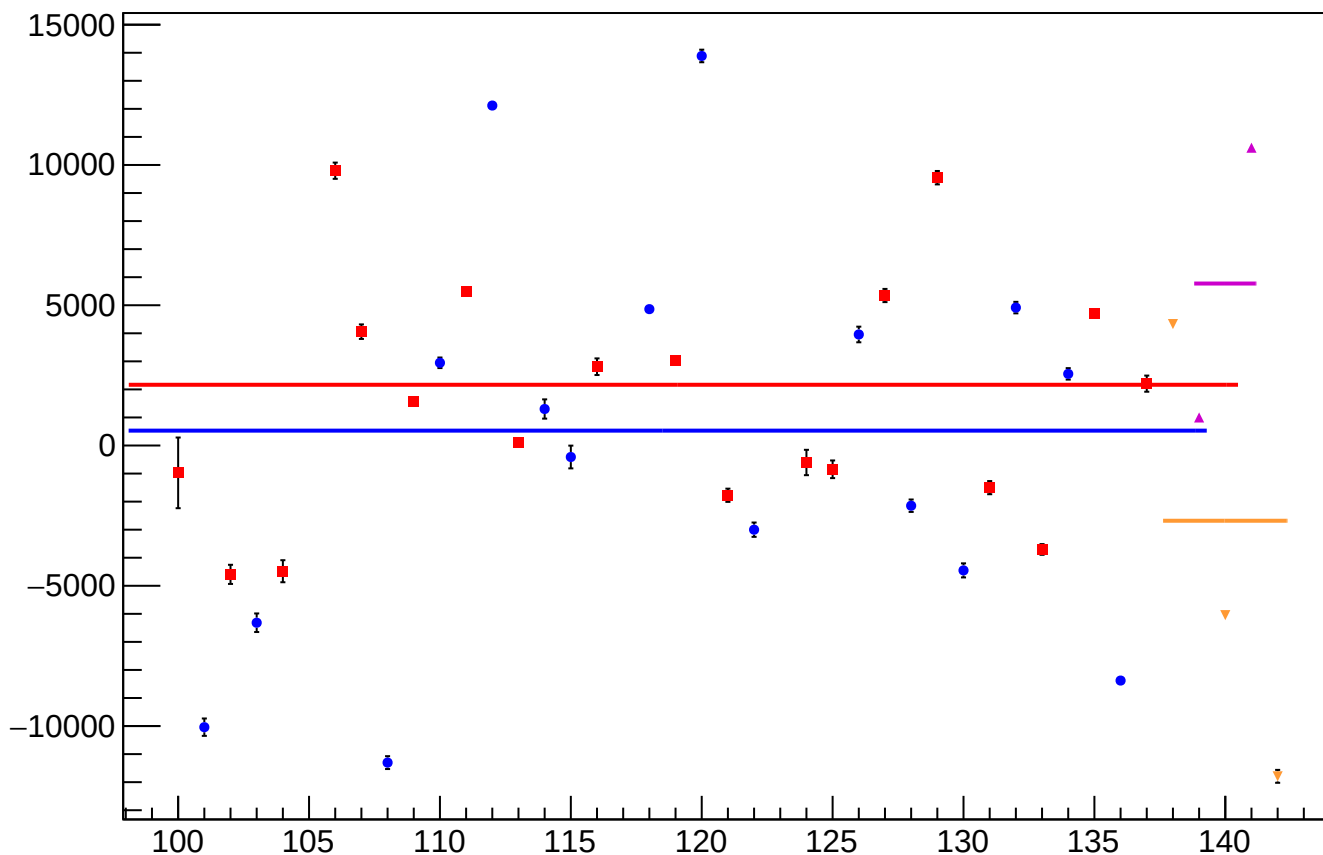
Left In: 94.987 $\pm$ 0.052 χ^2 /NDF: 3286.7/1

+ sign 97.635 $\pm$ 0.024 χ^2 /NDF: 869605.8/18

All: 96.702 $\pm$ 0.017 χ^2 /NDF: 1888445.0/39

- sign 95.796 $\pm$ 0.024 χ^2 /NDF: 1015874.3/20

asym_bpm0i01WS_mean vs Slug



Right In: 530.568 $\pm$ 54.855 χ^2 /NDF: 18587.6/15

Left Out: -2681.671 $\pm$ 102.843 χ^2 /NDF: 3980.3/2

Right Out: 2164.994 $\pm$ 53.458 χ^2 /NDF: 4967.1/18

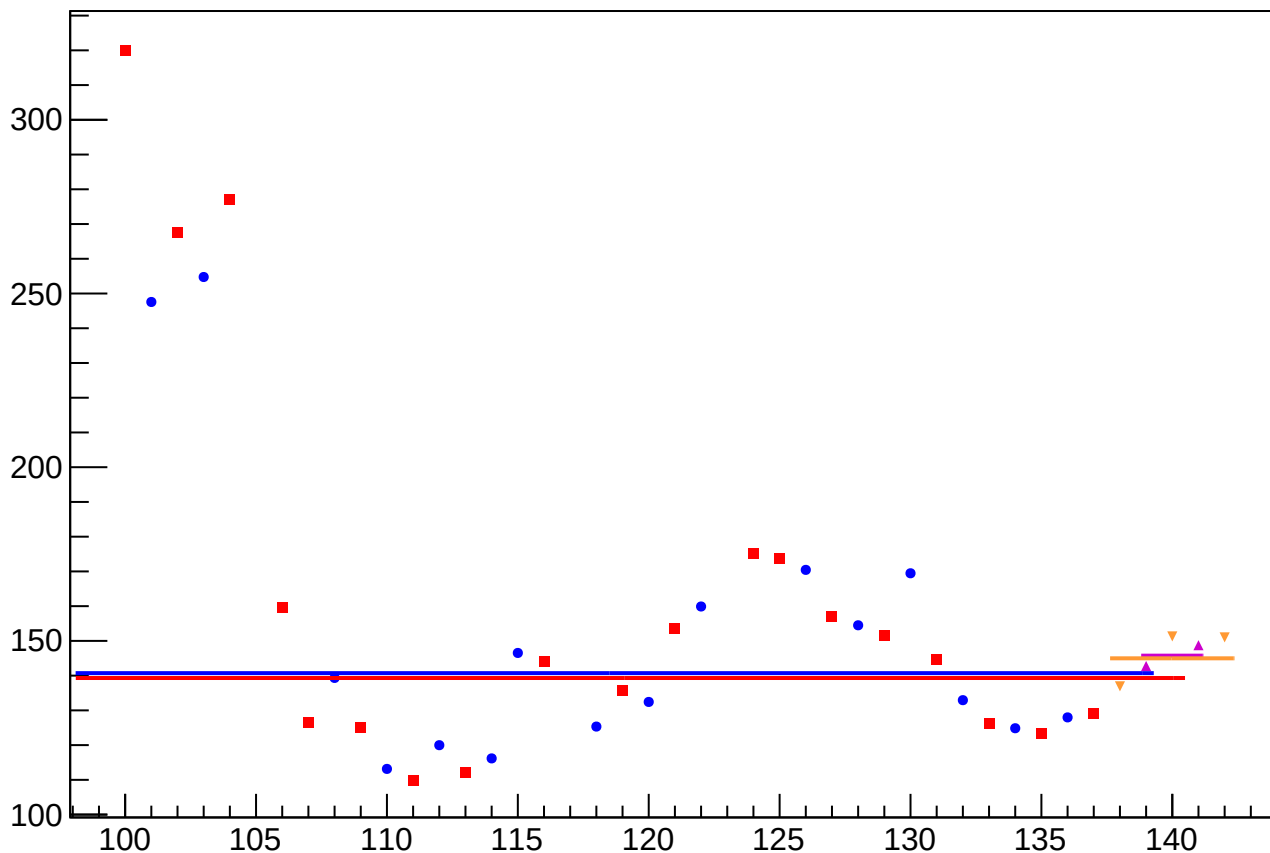
Left In: 5773.827 $\pm$ 112.308 χ^2 /NDF: 1832.4/1

+ sign -180.901 $\pm$ 48.400 χ^2 /NDF: 23327.4/18

All: 1329.450 $\pm$ 34.178 χ^2 /NDF: 32911.1/39

- sign 2831.618 $\pm$ 48.269 χ^2 /NDF: 7641.4/20

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF : 675618.7/15

Left Out: 144.983+/-0.073 χ^2/NDF :9465.2/2

Right Out: 139.317+/-0.038 χ^2/NDF : 802317.0/18

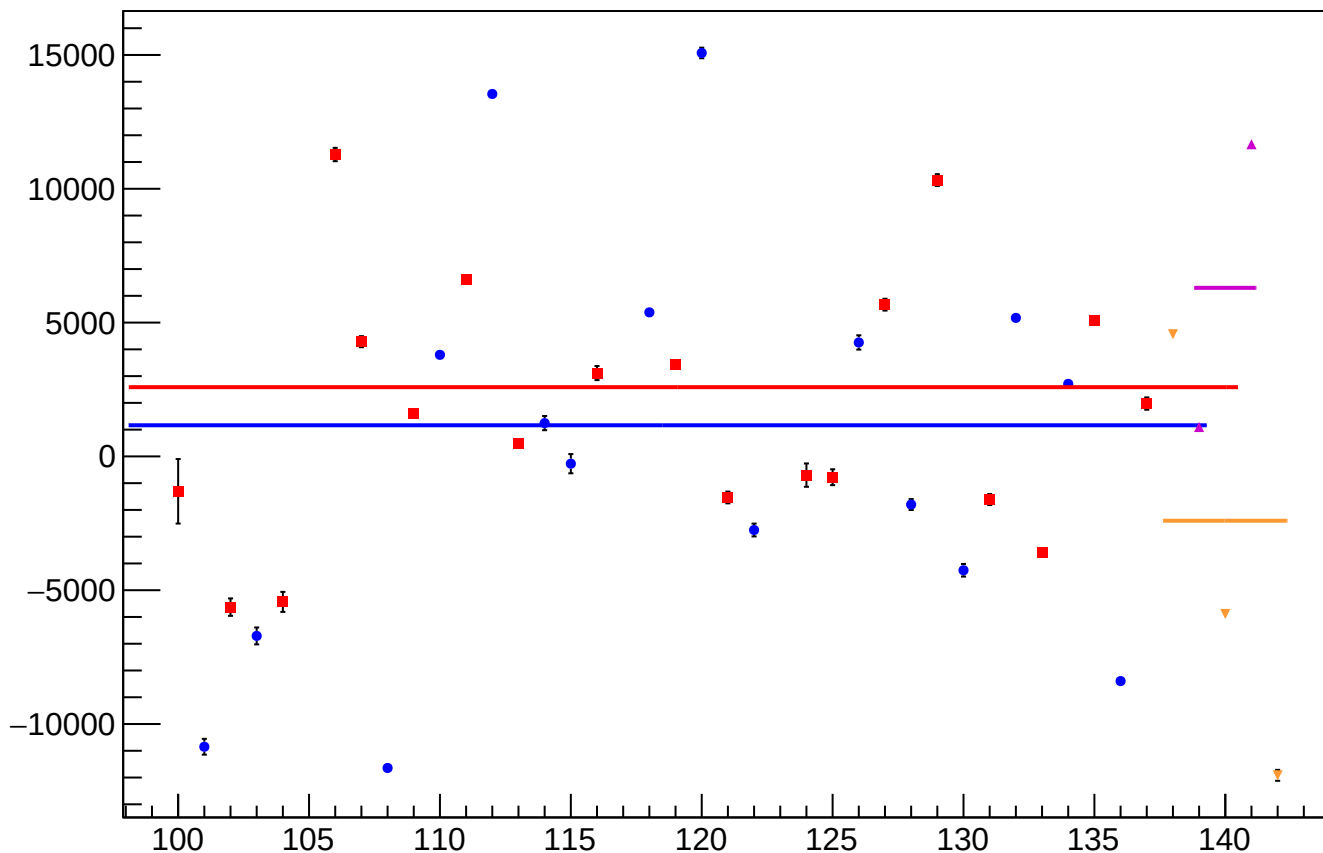
Left In: 145.749+/-0.079 χ^2/NDF :1419.2/1

+ sign 141.661+/-0.034 χ^2/NDF : 687765.5/18

All: 141.081+/-0.024 χ^2/NDF : 1497421.8/39

- sign 140.505+/-0.034 χ^2/NDF : 809085.0/20

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980 $\pm$ 45.930 χ^2 /NDF: 30754.3/15

Left Out: -2403.043 $\pm$ 89.657 χ^2 /NDF:5406.8/2

Right Out: 2586.755 $\pm$ 44.256 χ^2 /NDF: 8099.7/18

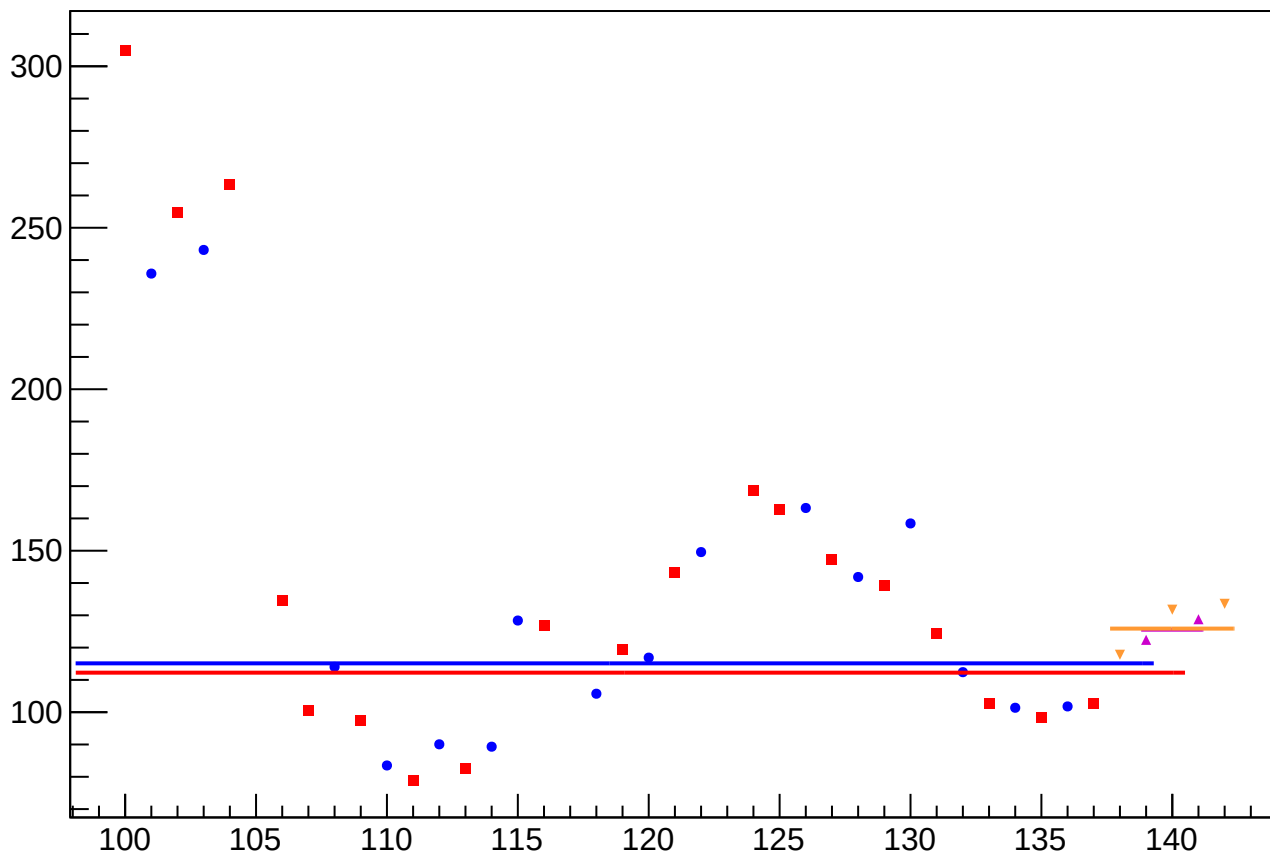
Left In: 6298.621 $\pm$ 97.059 χ^2 /NDF:2961.9/1

+ sign 421.668 $\pm$ 40.878 χ^2 /NDF: 37414.2/18

All: 1844.756 $\pm$ 28.687 χ^2 /NDF: 52074.6/39

- sign 3225.659 $\pm$ 40.268 χ^2 /NDF: 12272.4/20

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125 $\pm$ 0.032 χ^2 /NDF: 1112987.2/15

Left Out: 125.885 $\pm$ 0.063 χ^2 /NDF:13171.5/2

Right Out: 112.241 $\pm$ 0.031 χ^2 /NDF: 1328156.6/18

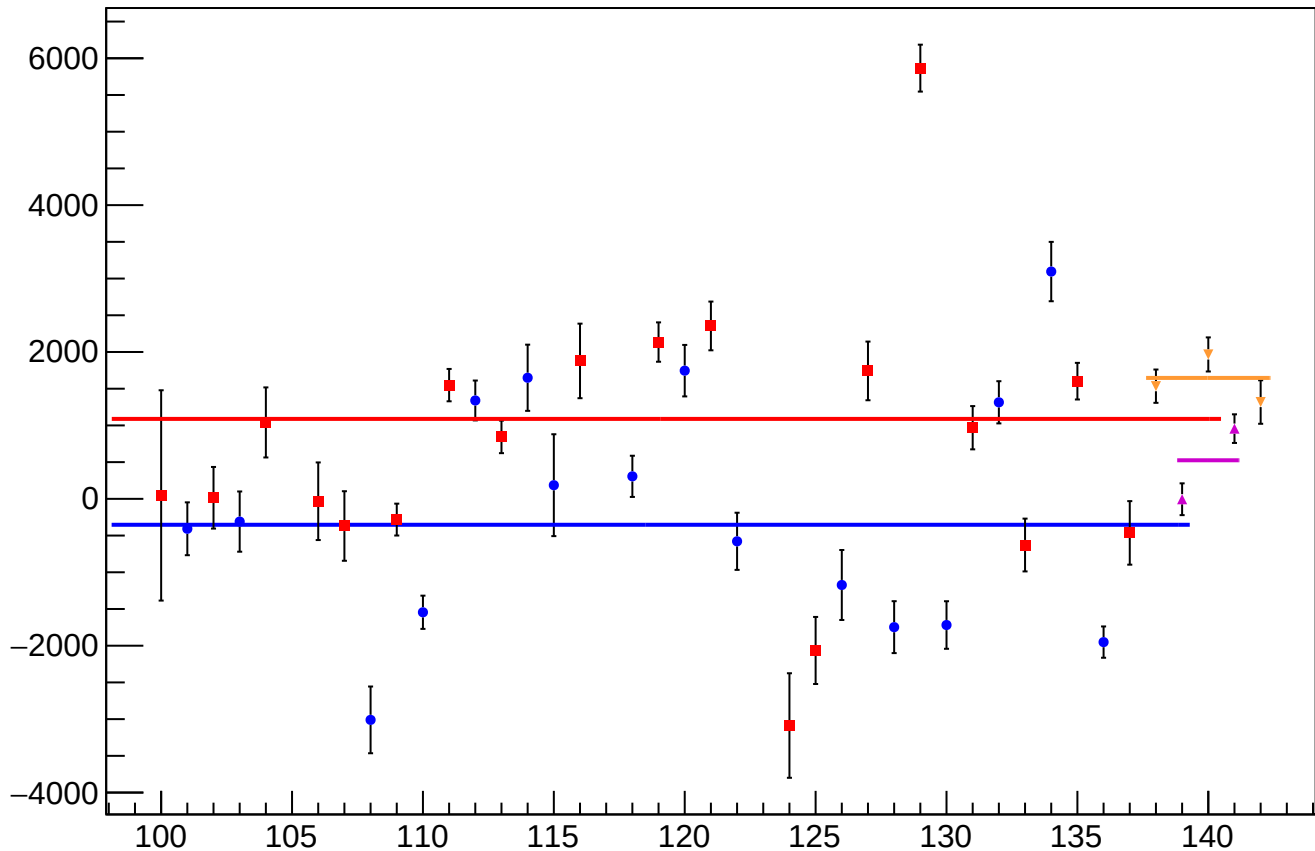
Left In: 125.548 $\pm$ 0.069 χ^2 /NDF:2158.8/1

+ sign 117.362 $\pm$ 0.029 χ^2 /NDF: 1148975.5/18

All: 115.926 $\pm$ 0.020 χ^2 /NDF: 2515280.5/39

- sign 114.532 $\pm$ 0.028 χ^2 /NDF: 1361438.2/20

asym_bpm0l01WS_mean vs Slug



Right In: -353.129 ± 82.136 χ^2/NDF : 361.8/15

Left Out: 1646.862 ± 142.269 χ^2/NDF : 3.4/2

Right Out: 1088.752 ± 76.444 χ^2/NDF : 447.2/18

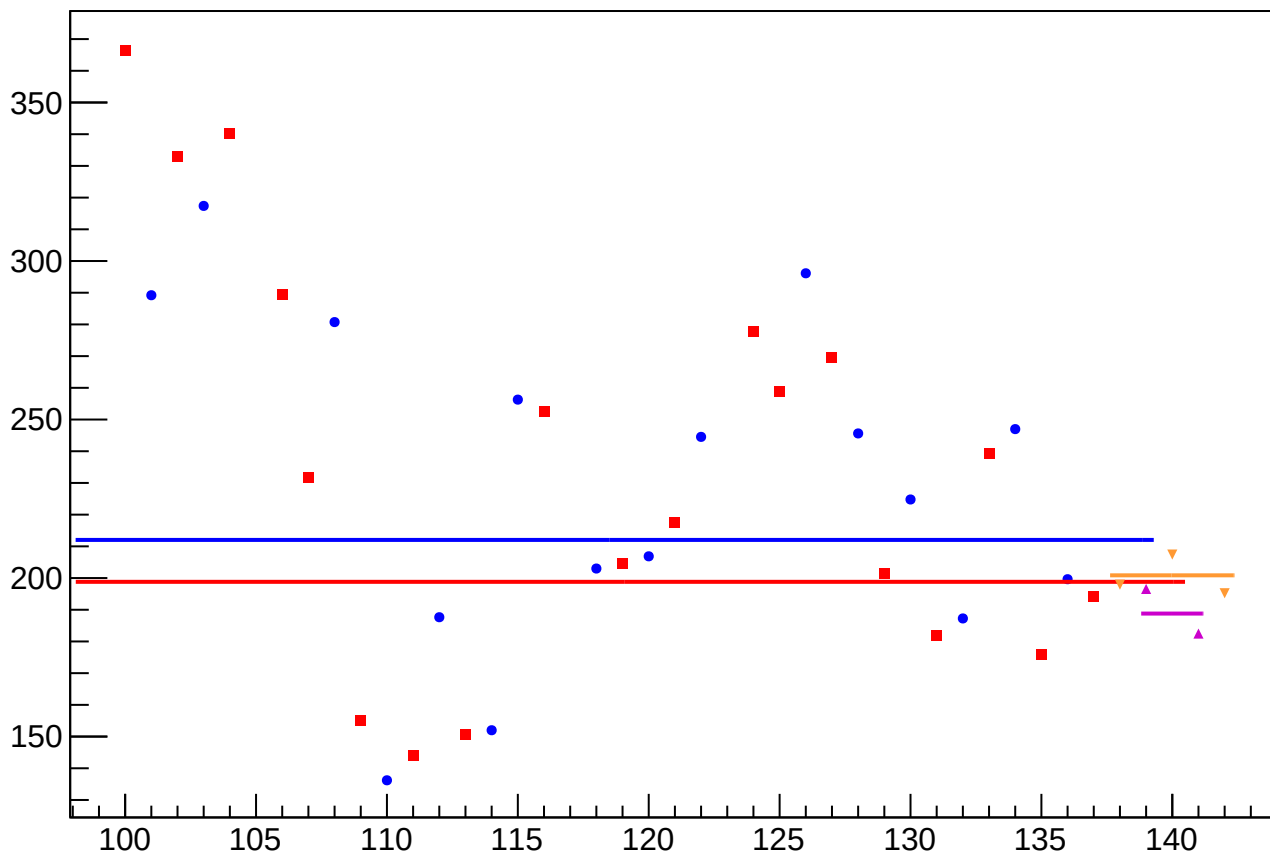
Left In: 525.246 ± 144.858 χ^2/NDF : 10.9/1

+ sign 146.838 ± 71.132 χ^2/NDF : 513.4/18

All: 577.222 ± 49.004 χ^2/NDF : 1053.0/39

- sign 966.007 ± 67.608 χ^2/NDF : 469.9/20

asym_bpm0l01WS_rms vs Slug



Right In: 212.027 $\pm$ 0.058 χ^2 /NDF: 690358.0/15

Left Out: 200.858 $\pm$ 0.101 χ^2 /NDF:2657.4/2

Right Out: 198.809 $\pm$ 0.054 χ^2 /NDF: 974928.4/18

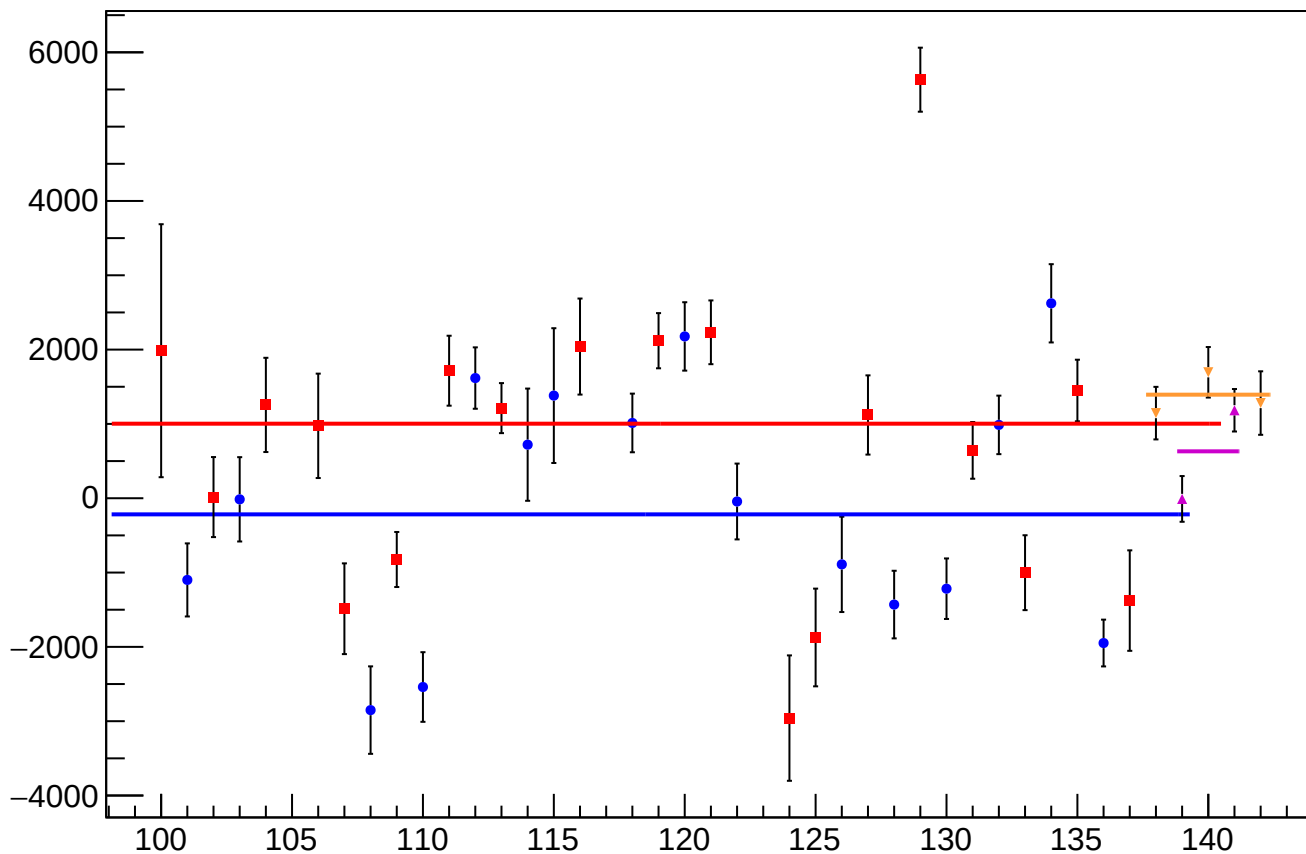
Left In: 188.797 $\pm$ 0.102 χ^2 /NDF:4672.8/1

+ sign 209.235 $\pm$ 0.050 χ^2 /NDF: 702261.7/18

All: 202.612 $\pm$ 0.035 χ^2 /NDF: 1722342.7/39

- sign 196.628 $\pm$ 0.048 χ^2 /NDF: 987075.3/20

asym_bpm0l02WS_mean vs Slug



Right In: -216.948 ± 117.887 $\chi^2/\text{NDF}: 192.2/15$

Left Out: 1393.589 ± 212.554 $\chi^2/\text{NDF}: 1.3/2$

Right Out: 1003.049 ± 113.111 $\chi^2/\text{NDF}: 254.3/18$

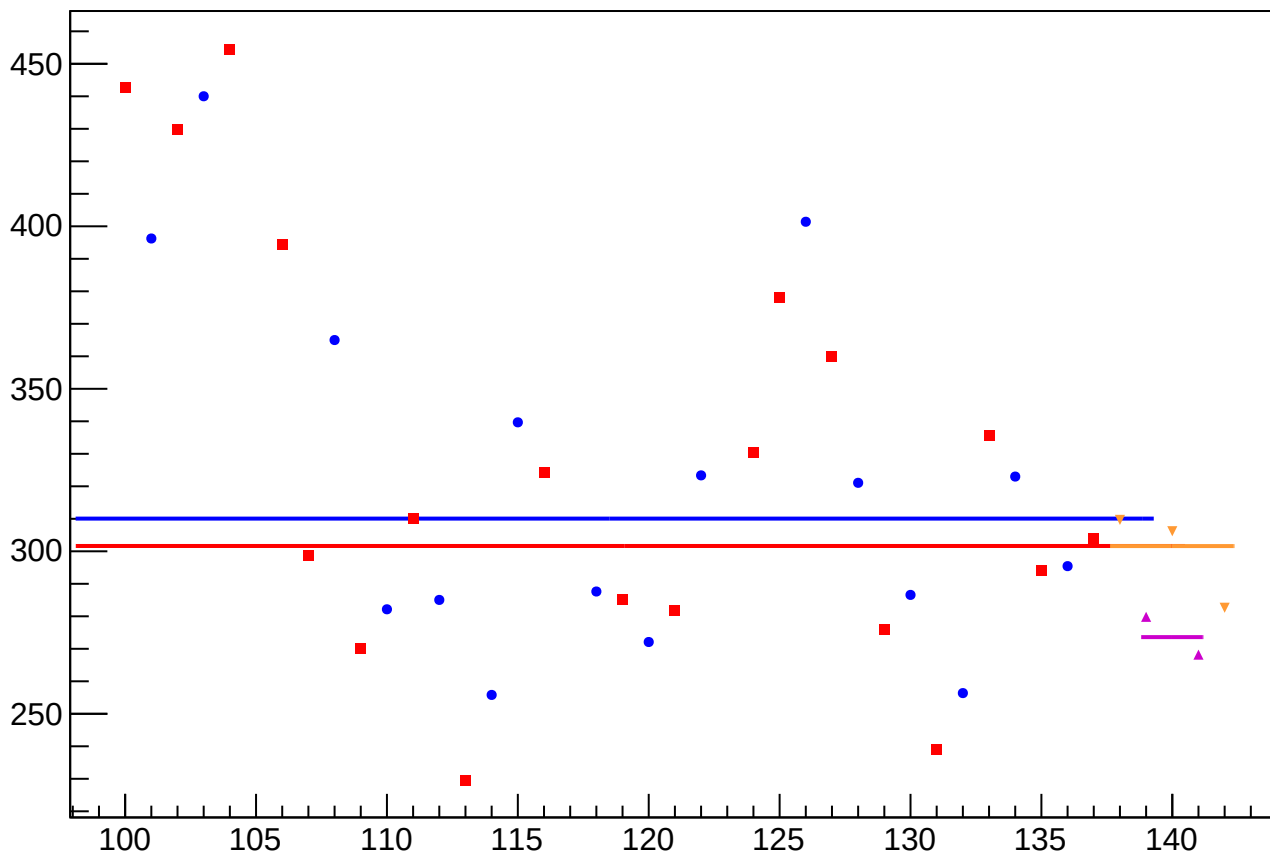
Left In: 631.145 ± 209.352 $\chi^2/\text{NDF}: 8.1/1$

+ sign 161.919 ± 103.093 $\chi^2/\text{NDF}: 237.4/18$

All: 553.834 ± 71.599 $\chi^2/\text{NDF}: 530.2/39$

- sign 919.016 ± 99.515 $\chi^2/\text{NDF}: 264.9/20$

asym_bpm0l02WS_rms vs Slug



Right In: 310.062 ± 0.083 χ^2/NDF : 323283.5/15

Left Out: 301.609 ± 0.150 χ^2/NDF : 5346.4/2

Right Out: 301.637 ± 0.080 χ^2/NDF : 519888.9/18

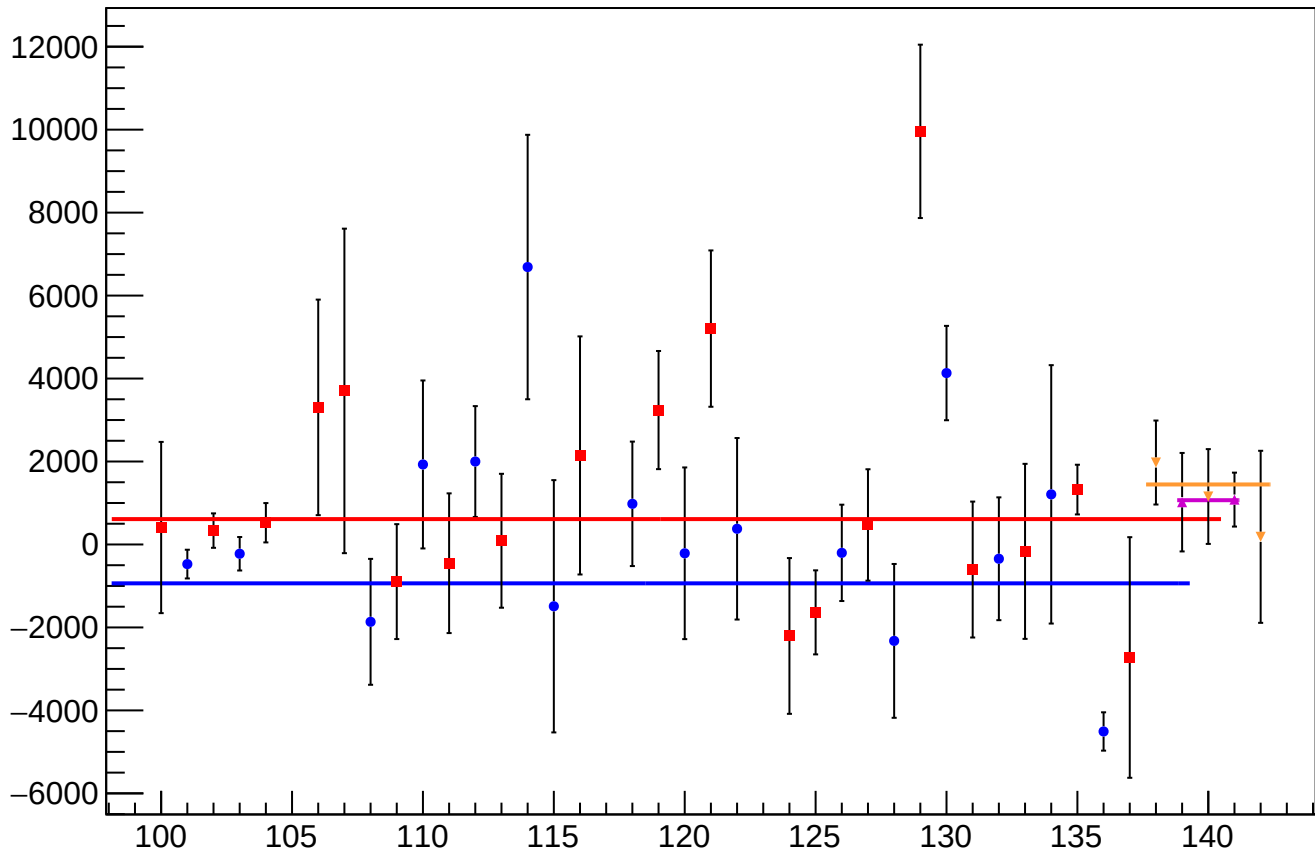
Left In: 273.596 ± 0.148 χ^2/NDF : 1537.2/1

+ sign 308.073 ± 0.073 χ^2/NDF : 331049.1/18

All: 301.462 ± 0.051 χ^2/NDF : 896140.2/39

- sign 295.301 ± 0.070 χ^2/NDF : 549200.0/20

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF : 101.2/15

Left Out: 1446.718+/-711.662 χ^2/NDF : 0.7/2

Right Out: 611.668+/-233.144 χ^2/NDF : 44.1/18

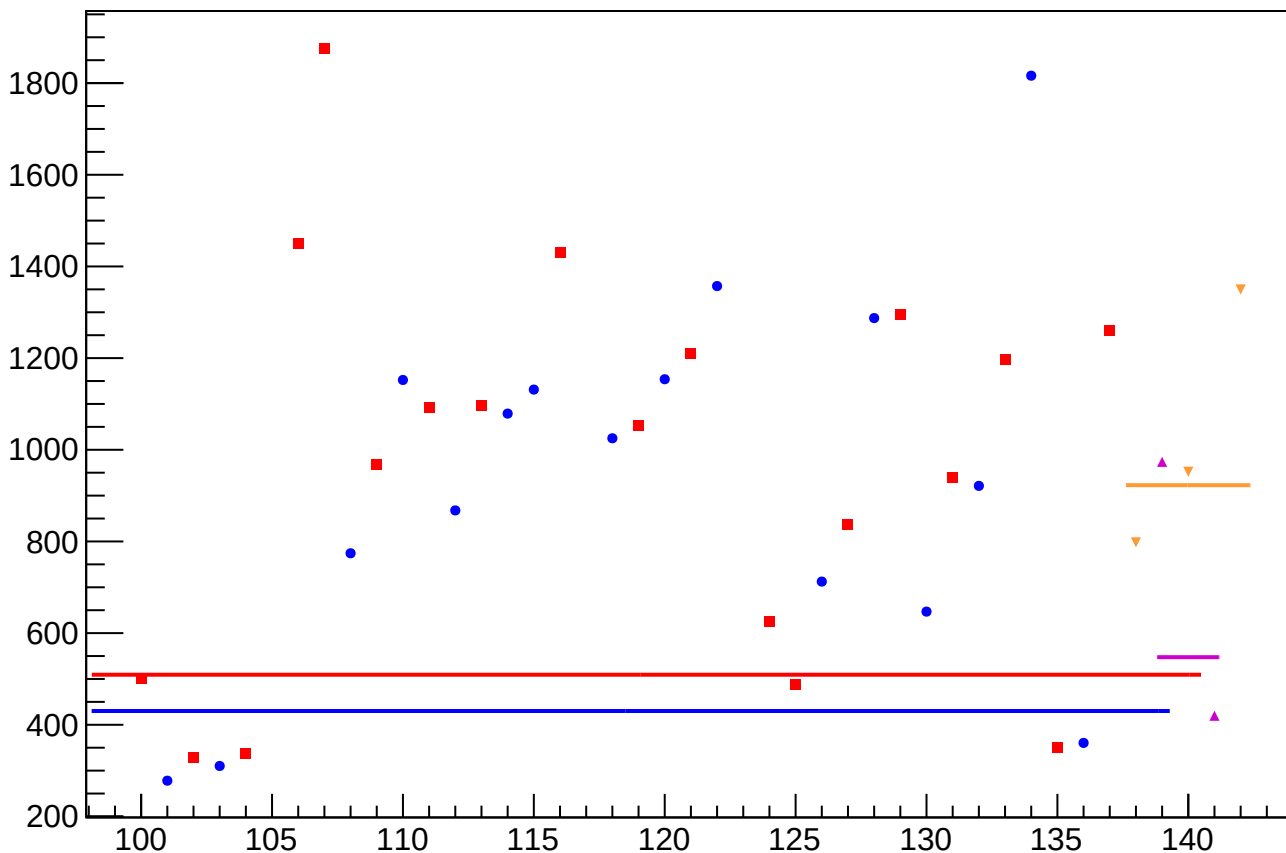
Left In: 1067.334+/-570.142 χ^2/NDF : 0.0/1

+ sign -754.779+/-196.739 χ^2/NDF : 112.3/18

All: -104.924+/-145.388 χ^2/NDF : 181.0/39

- sign 676.948+/-215.799 χ^2/NDF : 44.7/20

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF : 3521861.8/15

Left Out: 922.779+/-0.503 χ^2/NDF :116504.5/2

Right Out: 509.236+/-0.165 χ^2/NDF : 3673425.8/18

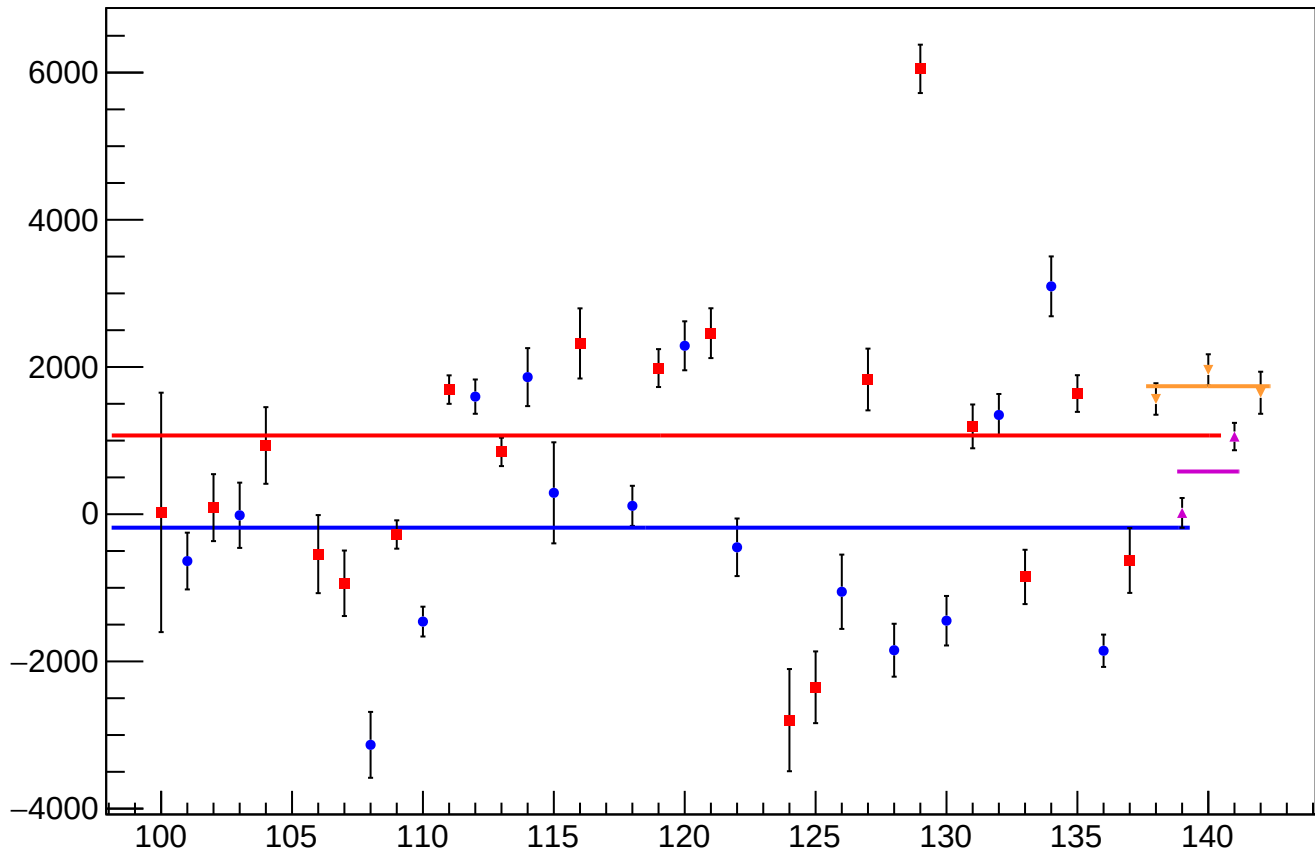
Left In: 547.500+/-0.403 χ^2/NDF :335049.6/1

+ sign 467.762+/-0.139 χ^2/NDF : 4523614.5/18

All: 489.075+/-0.103 χ^2/NDF : 8591518.2/39

- sign 514.718+/-0.153 χ^2/NDF : 4016193.2/20

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF : 417.7/15

Left Out: 1738.830+/-133.513 χ^2/NDF : 1.8/2

Right Out: 1069.729+/-73.060 χ^2/NDF : 492.3/18

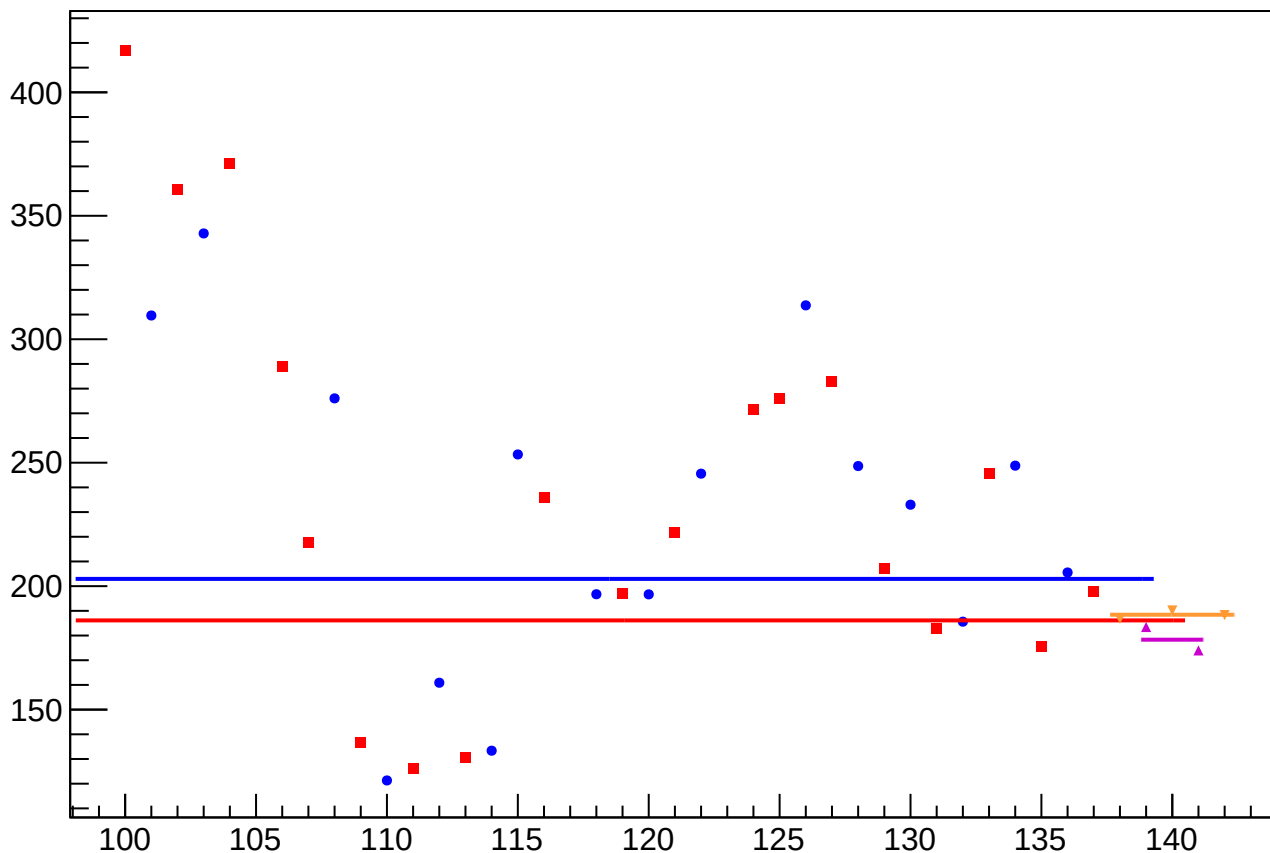
Left In: 580.051+/-136.891 χ^2/NDF : 14.2/1

+ sign 323.419+/-68.537 χ^2/NDF : 572.1/18

All: 661.852+/-46.953 χ^2/NDF : 1134.6/39

- sign 961.168+/-64.455 χ^2/NDF : 516.5/20

asym_bpm0l04WS_rms vs Slug



Right In: 202.941 $\pm$ 0.056 χ^2 /NDF: 1071859.2/15

Left Out: 188.425 $\pm$ 0.094 χ^2 /NDF: 254.2/2

Right Out: 186.129 $\pm$ 0.052 χ^2 /NDF: 1481664.4/18

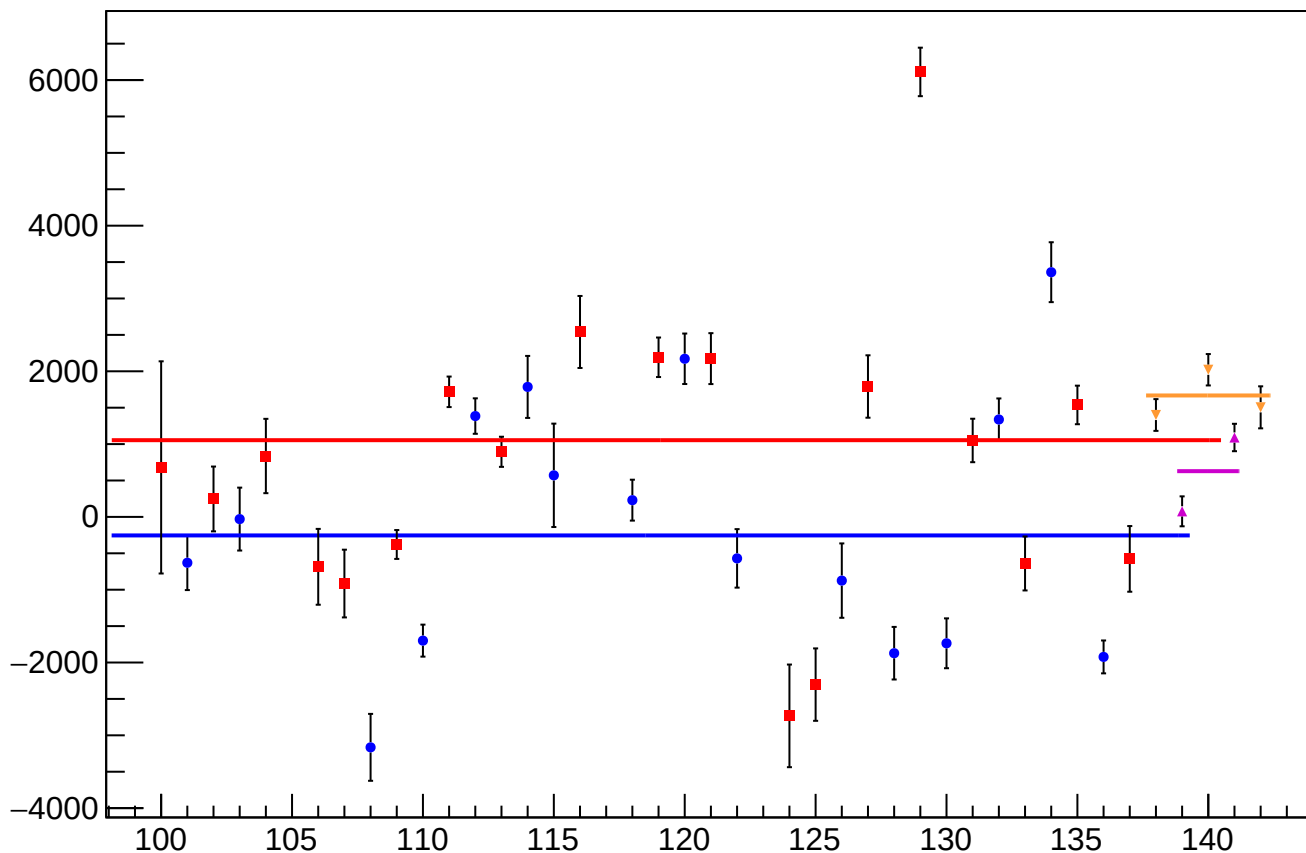
Left In: 178.316 $\pm$ 0.097 χ^2 /NDF: 2381.7/1

+ sign 199.116 $\pm$ 0.048 χ^2 /NDF: 1089526.1/18

All: 191.305 $\pm$ 0.033 χ^2 /NDF: 2627592.8/39

- sign 184.397 $\pm$ 0.046 χ^2 /NDF: 1489116.2/20

asym_bpm0l05WS_mean vs Slug



Right In: -254.470 ± 82.490 χ^2/NDF : 409.3/15

Left Out: 1667.943 ± 135.406 χ^2/NDF : 4.5/2

Right Out: 1053.731 ± 75.969 χ^2/NDF : 477.7/18

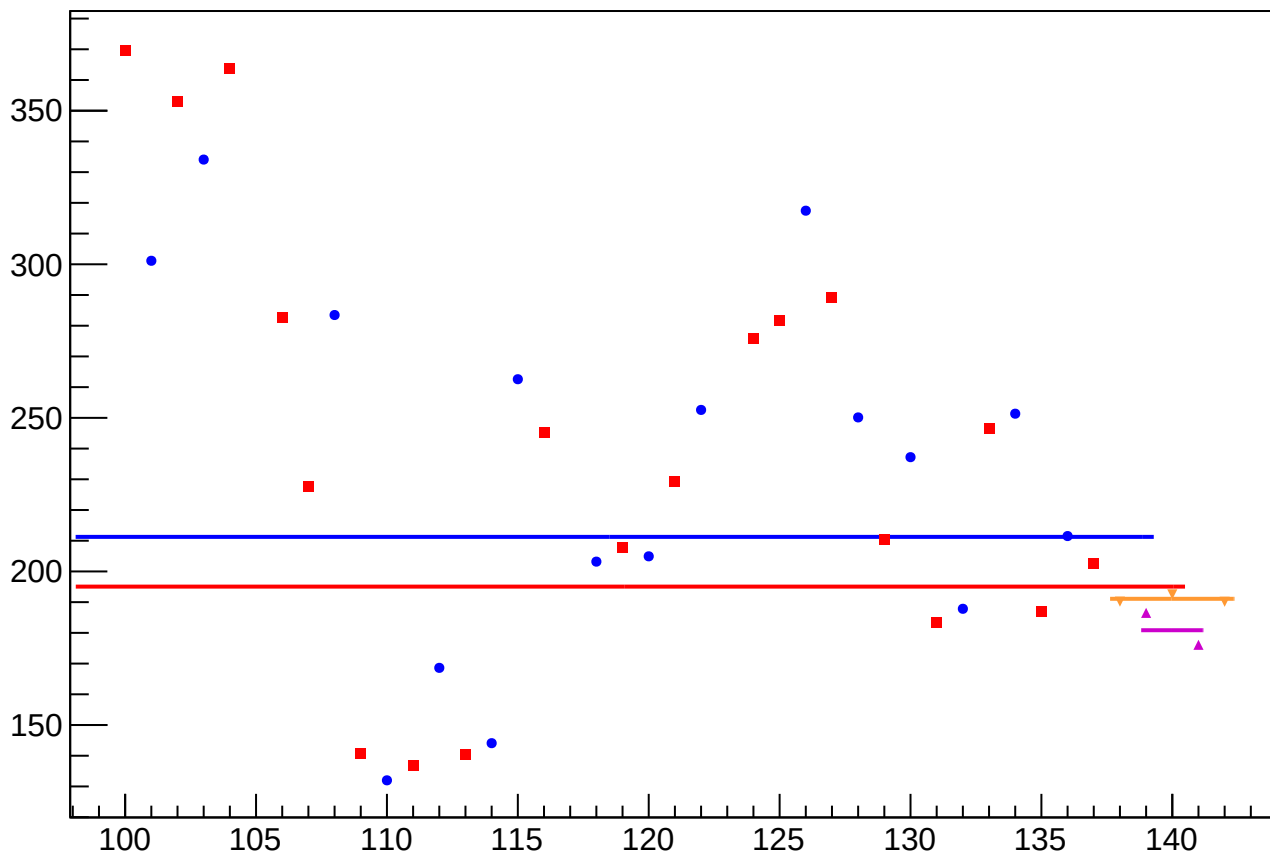
Left In: 628.213 ± 138.813 χ^2/NDF : 13.2/1

+ sign 265.877 ± 70.447 χ^2/NDF : 560.8/18

All: 629.896 ± 48.412 χ^2/NDF : 1109.5/39

- sign 955.657 ± 66.642 χ^2/NDF : 498.1/20

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF : 884363.6/15

Left Out: 191.090+/-0.096 χ^2/NDF :148.9/2

Right Out: 195.061+/-0.054 χ^2/NDF : 1284879.9/18

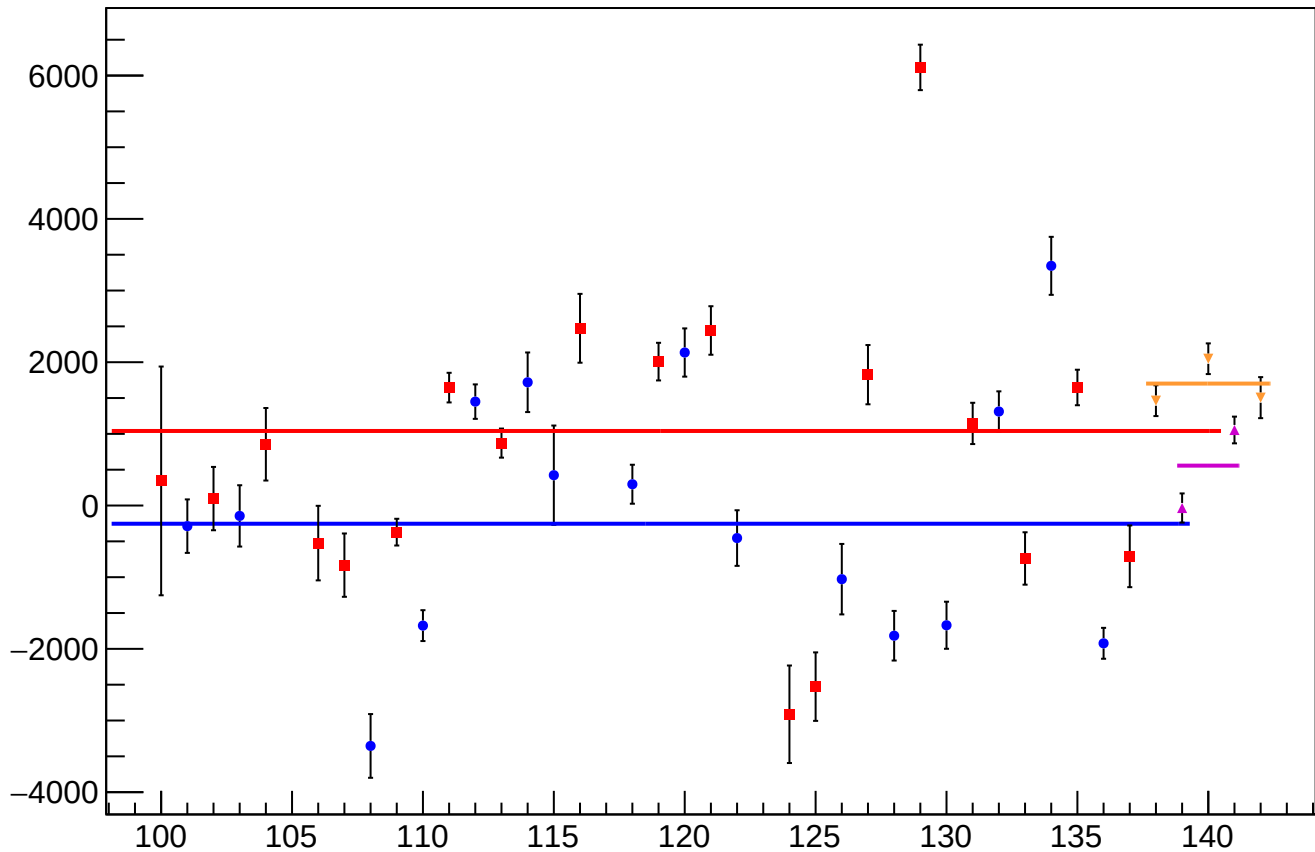
Left In: 180.861+/-0.098 χ^2/NDF :2781.9/1

+ sign 205.796+/-0.050 χ^2/NDF : 916859.3/18

All: 198.403+/-0.034 χ^2/NDF : 2262356.5/39

- sign 191.788+/-0.047 χ^2/NDF : 1303768.0/20

asym_bpm0l06WS_mean vs Slug



Right In: -254.044 ± 80.222 χ^2/NDF : 432.1/15

Left Out: 1701.648 ± 134.032 χ^2/NDF : 4.3/2

Right Out: 1040.361 ± 73.363 χ^2/NDF : 533.4/18

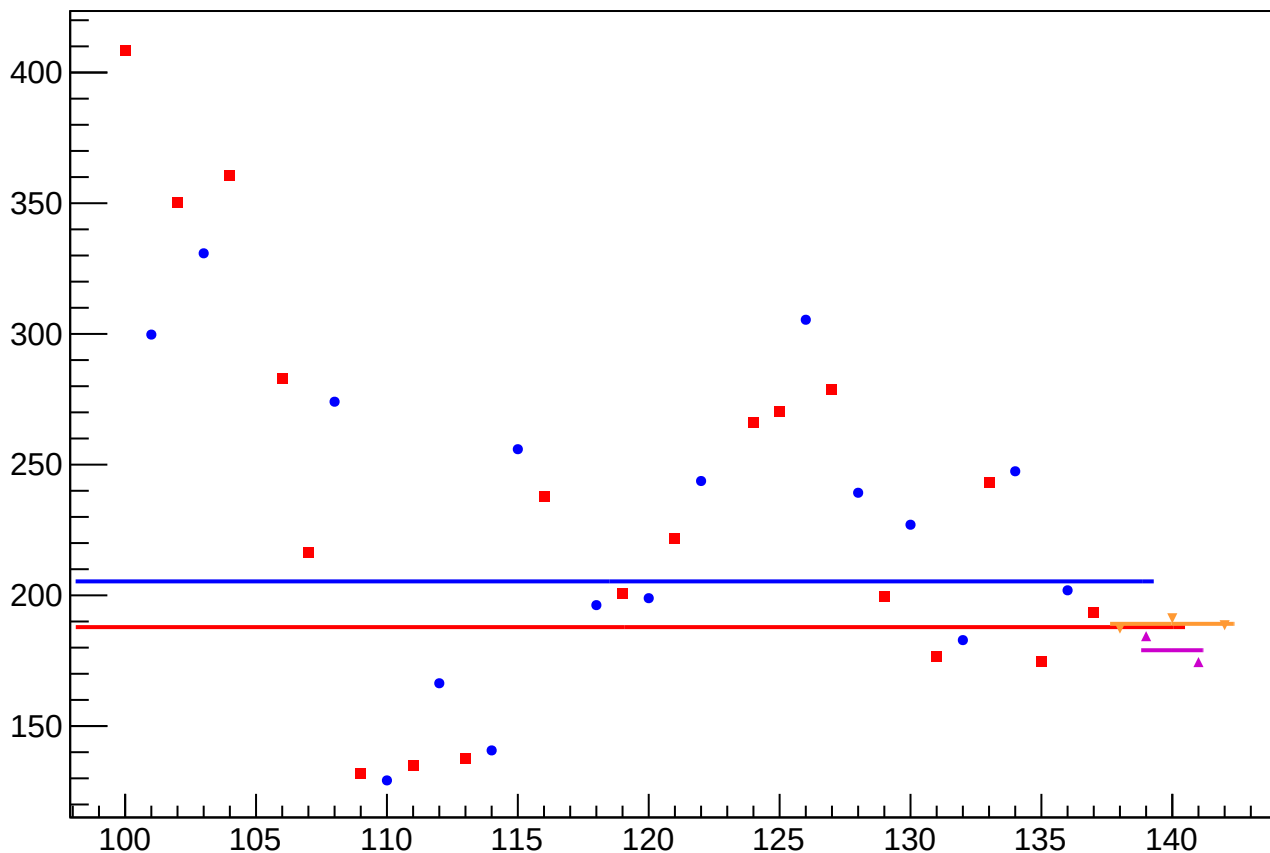
Left In: 556.760 ± 137.417 χ^2/NDF : 15.6/1

+ sign 261.778 ± 68.835 χ^2/NDF : 593.2/18

All: 618.114 ± 47.151 χ^2/NDF : 1202.2/39

- sign 933.097 ± 64.718 χ^2/NDF : 558.6/20

asym_bpm0l06WS_rms vs Slug



Right In: 205.341 $\pm$ 0.057 χ^2 /NDF: 877398.6/15

Left Out: 189.105 $\pm$ 0.095 χ^2 /NDF:347.5/2

Right Out: 187.848 $\pm$ 0.052 χ^2 /NDF: 1337049.4/18

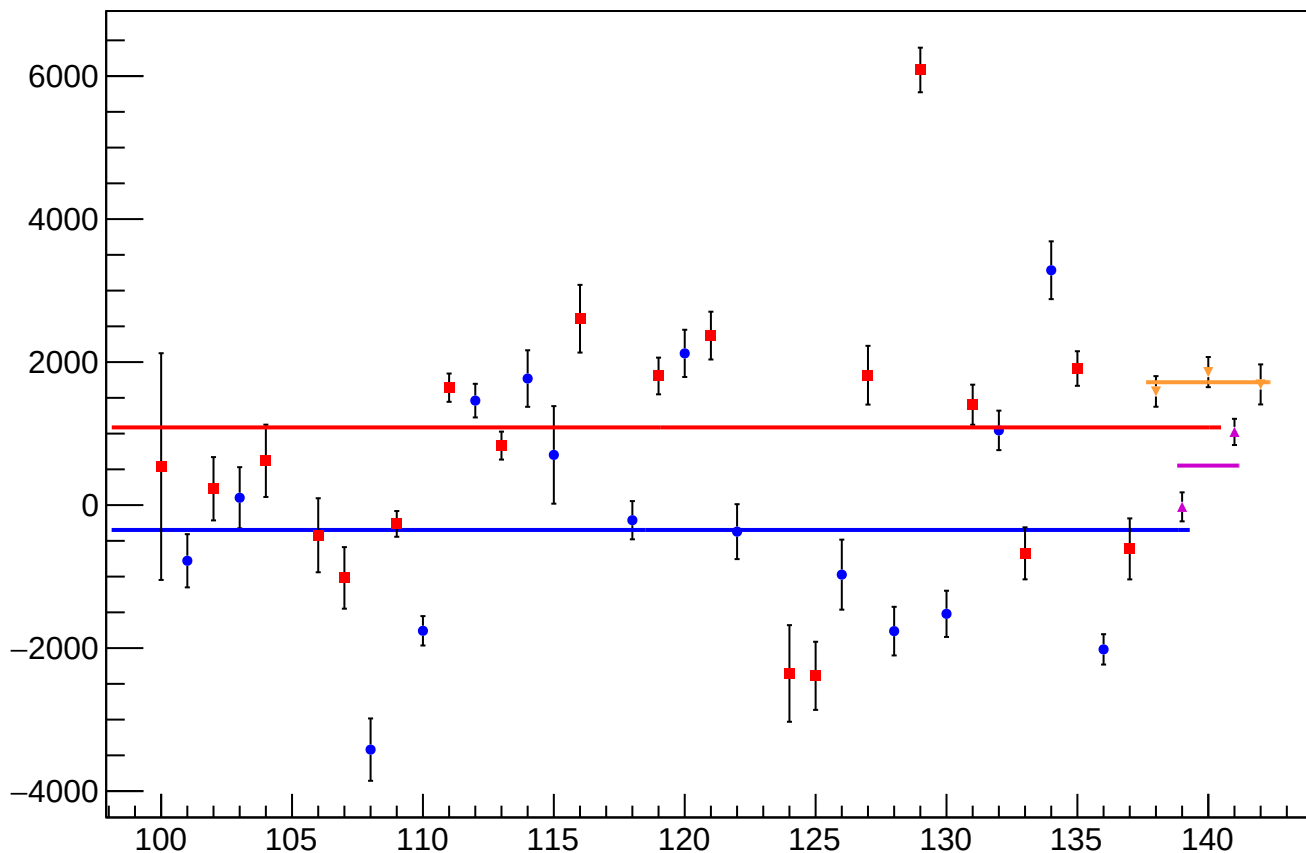
Left In: 179.005 $\pm$ 0.097 χ^2 /NDF:2579.3/1

+ sign 201.059 $\pm$ 0.049 χ^2 /NDF: 899354.2/18

All: 193.006 $\pm$ 0.033 χ^2 /NDF: 2297002.3/39

- sign 185.887 $\pm$ 0.046 χ^2 /NDF: 1346074.3/20

asym_bpm0l07WS_mean vs Slug



Right In: -347.666 ± 78.567 χ^2/NDF : 445.8/15

Left Out: 1718.290 ± 132.336 χ^2/NDF : 0.8/2

Right Out: 1086.638 ± 71.539 χ^2/NDF : 527.2/18

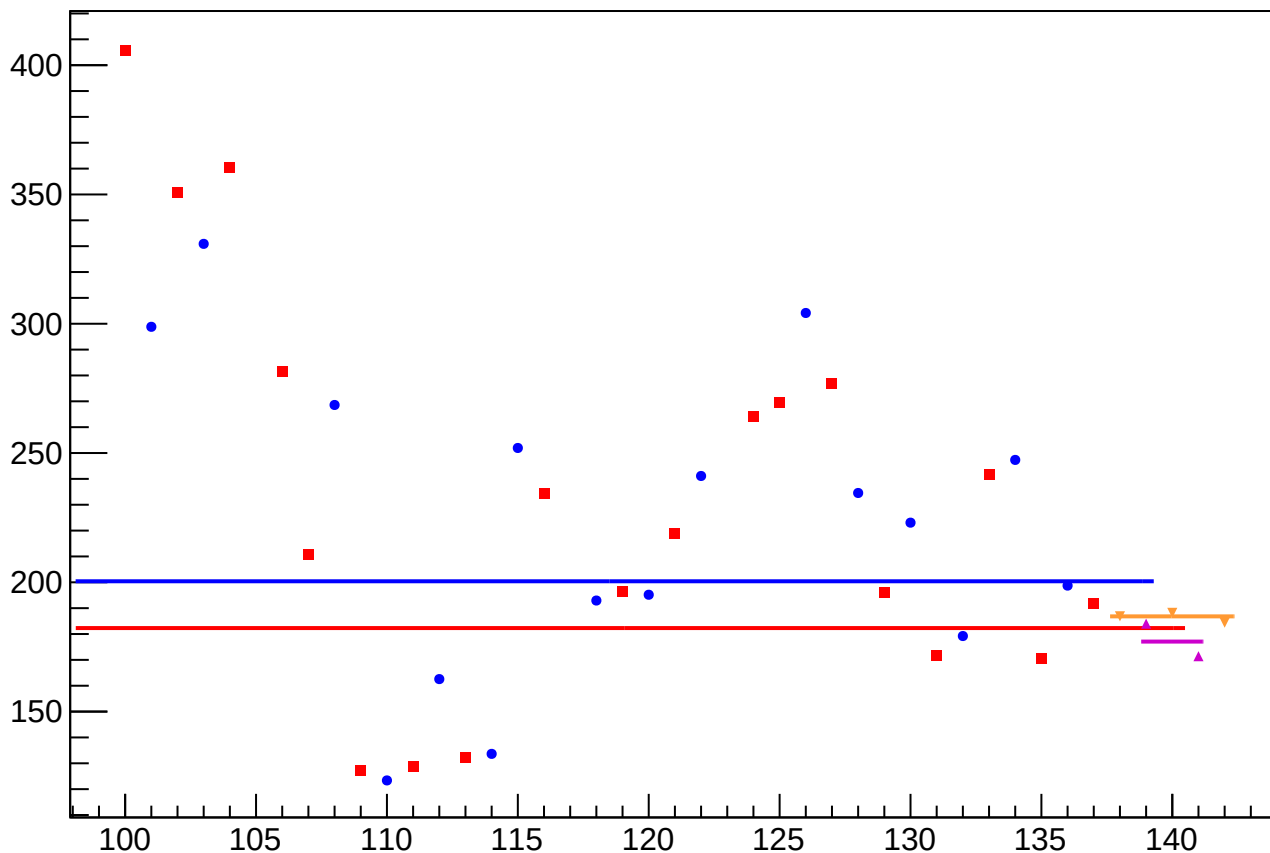
Left In: 552.554 ± 135.960 χ^2/NDF : 14.7/1

+ sign 190.752 ± 67.558 χ^2/NDF : 626.8/18

All: 606.089 ± 46.196 χ^2/NDF : 1251.8/39

- sign 970.832 ± 63.310 χ^2/NDF : 554.0/20

asym_bpm0l07WS_rms vs Slug



Right In: 200.399 $\pm$ 0.056 χ^2 /NDF: 959000.8/15

Left Out: 186.824 $\pm$ 0.094 χ^2 /NDF: 235.6/2

Right Out: 182.302 $\pm$ 0.051 χ^2 /NDF: 1447197.0/18

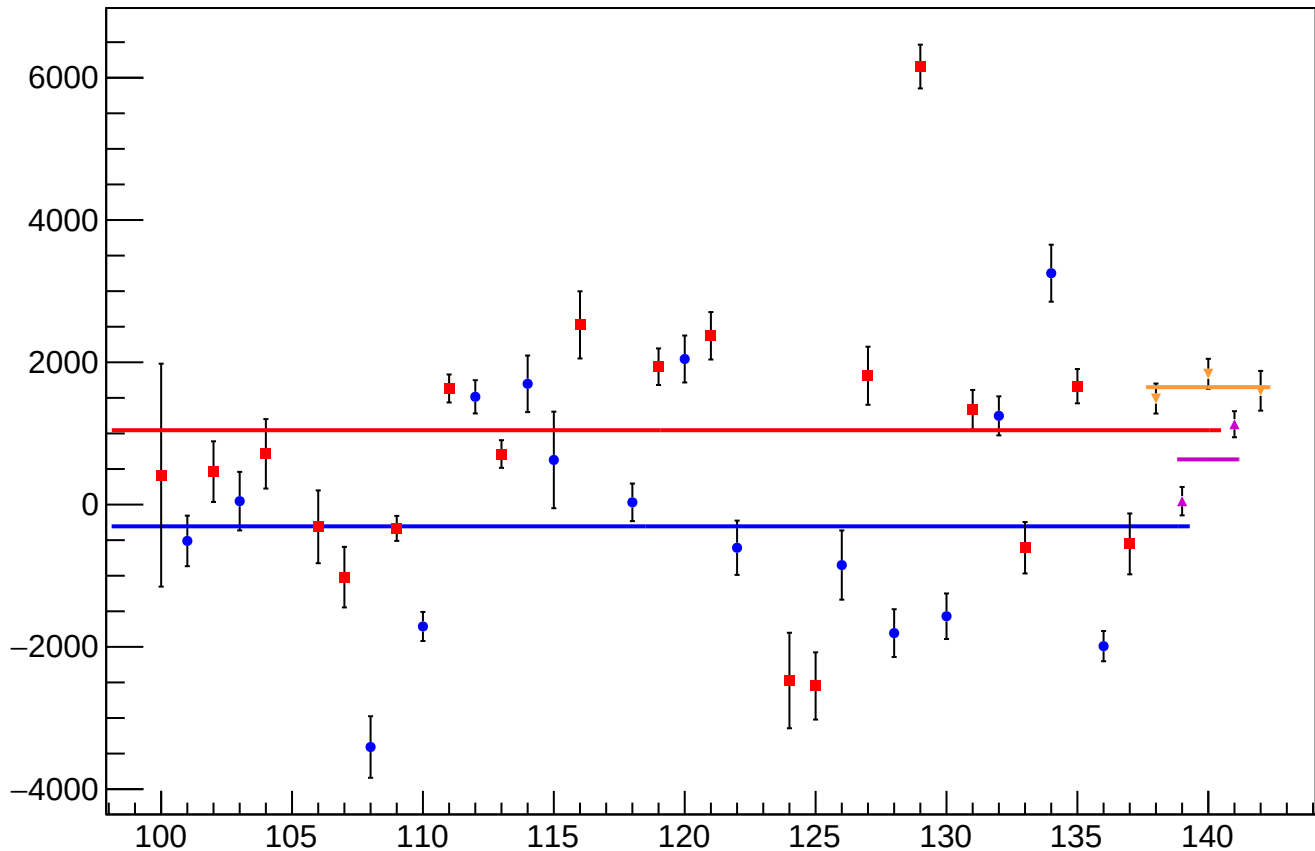
Left In: 177.073 $\pm$ 0.096 χ^2 /NDF: 4234.2/1

+ sign 196.861 $\pm$ 0.048 χ^2 /NDF: 974795.3/18

All: 188.506 $\pm$ 0.033 χ^2 /NDF: 2486003.4/39

- sign 181.168 $\pm$ 0.045 χ^2 /NDF: 1453747.8/20

asym_bpm0l08WS_mean vs Slug



Right In: -305.649 ± 77.868 χ^2/NDF : 451.8/15

Left Out: 1650.580 ± 131.400 χ^2/NDF : 1.4/2

Right Out: 1045.144 ± 70.824 χ^2/NDF : 552.2/18

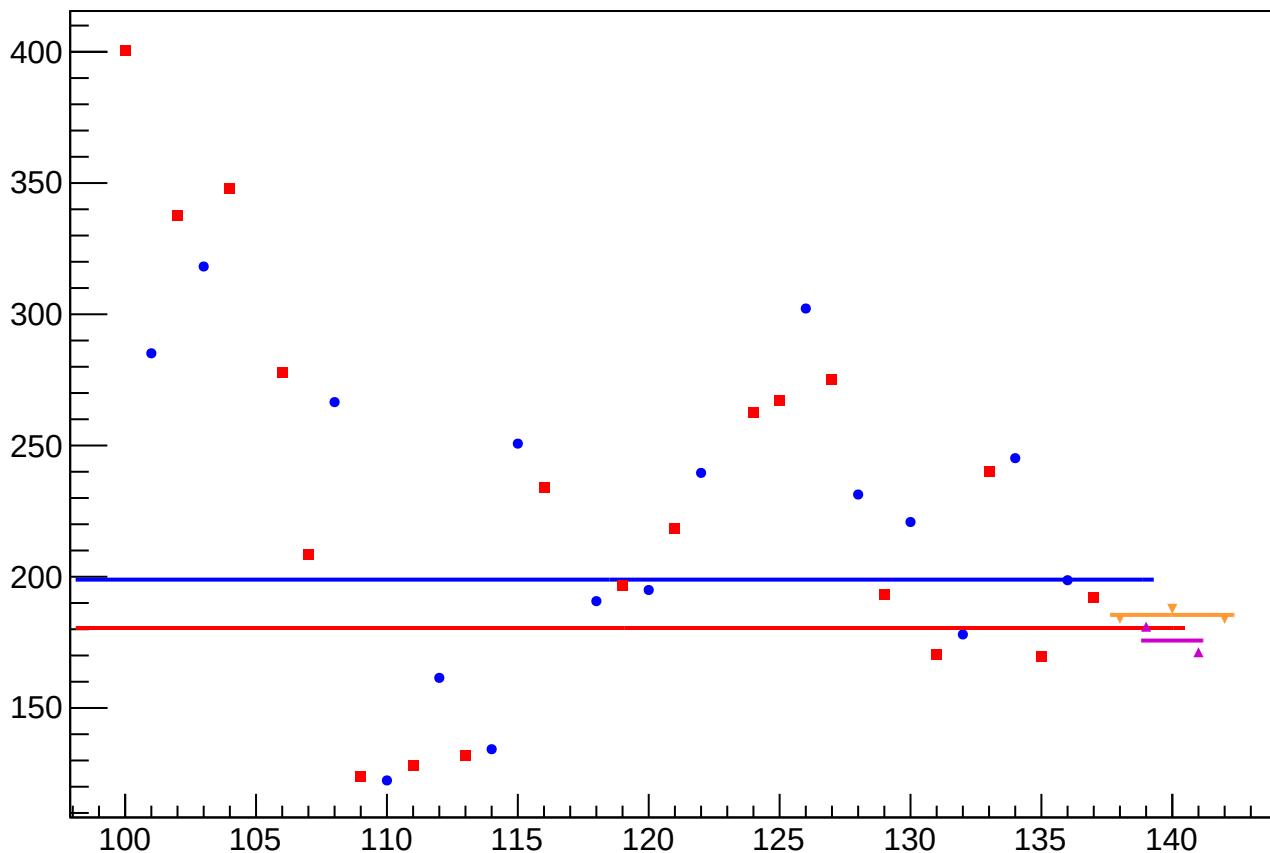
Left In: 635.413 ± 134.930 χ^2/NDF : 15.9/1

+ sign 202.787 ± 66.989 χ^2/NDF : 617.3/18

All: 604.560 ± 45.781 χ^2/NDF : 1260.1/39

- sign 956.642 ± 62.710 χ^2/NDF : 575.3/20

asym_bpm0l08WS_rms vs Slug



Right In: 198.903 $\pm$ 0.055 χ^2 /NDF: 912765.0/15

Left Out: 185.463 $\pm$ 0.093 χ^2 /NDF: 395.7/2

Right Out: 180.473 $\pm$ 0.050 χ^2 /NDF: 1434435.8/18

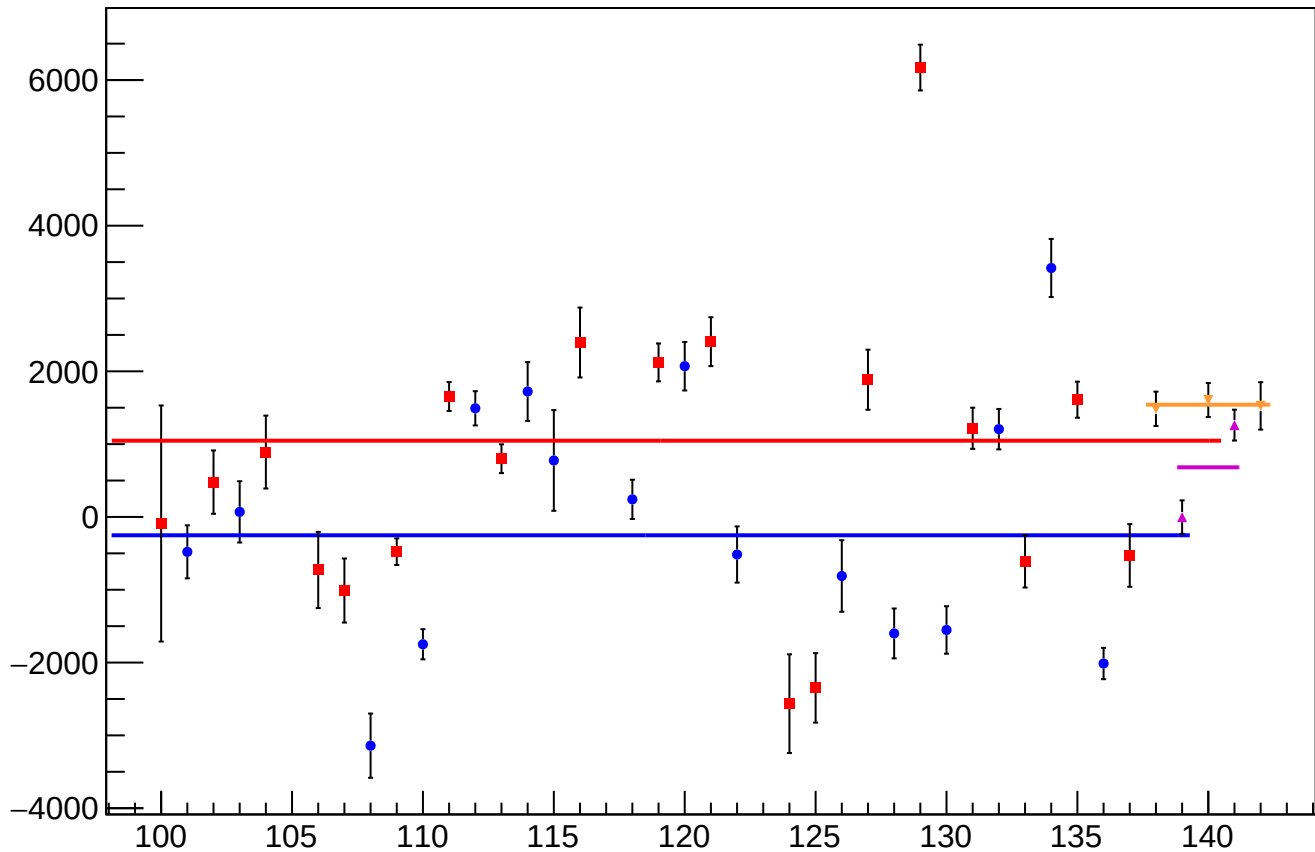
Left In: 175.694 $\pm$ 0.095 χ^2 /NDF: 2578.7/1

+ sign 195.410 $\pm$ 0.047 χ^2 /NDF: 928645.3/18

All: 186.899 $\pm$ 0.032 χ^2 /NDF: 2428198.2/39

- sign 179.441 $\pm$ 0.044 χ^2 /NDF: 1438981.1/20

asym_bpm0l09WS_mean vs Slug



Right In: -251.795 ± 78.974 $\chi^2/\text{NDF}: 441.2/15$

Left Out: 1541.530 ± 147.911 $\chi^2/\text{NDF}: 0.1/2$

Right Out: 1047.132 ± 72.190 $\chi^2/\text{NDF}: 546.7/18$

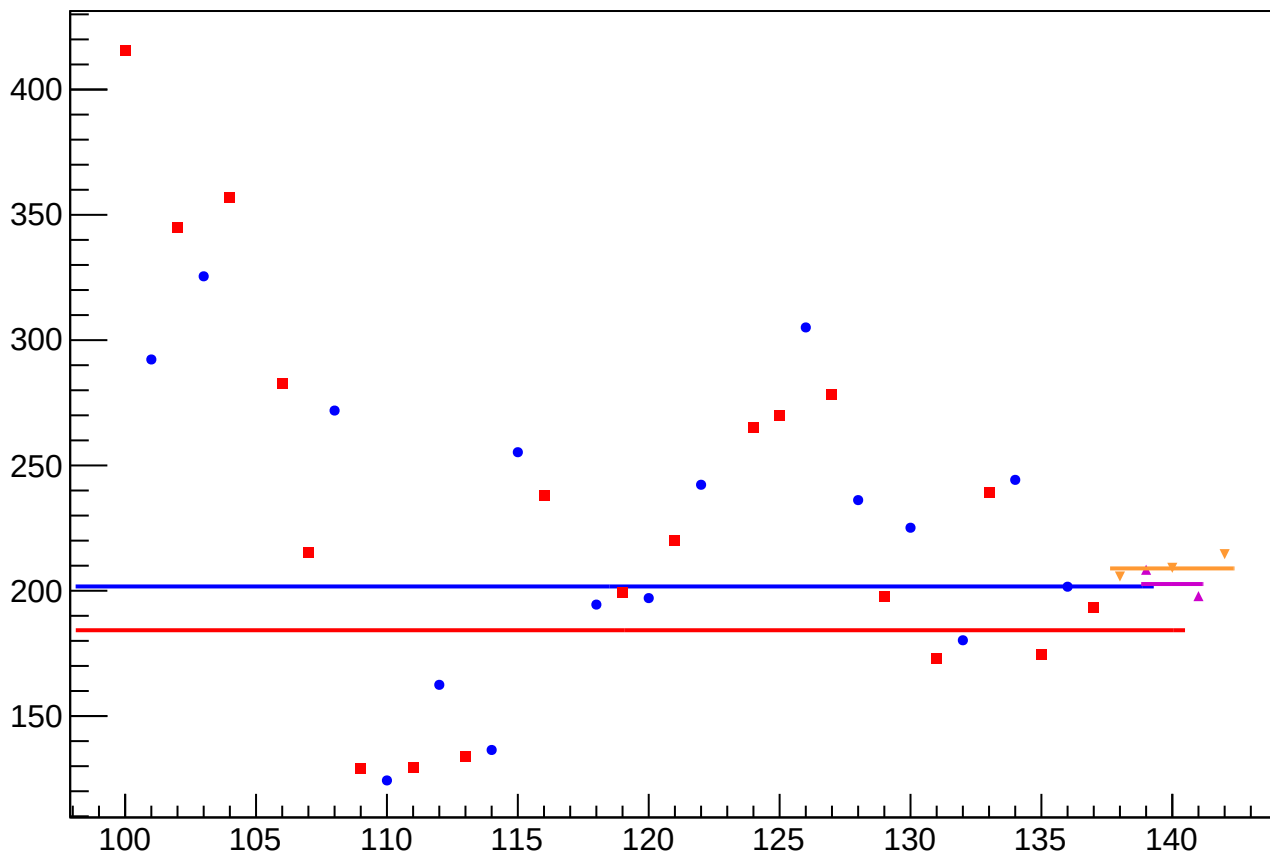
Left In: 681.521 ± 155.693 $\chi^2/\text{NDF}: 16.3/1$

+ sign 146.034 ± 69.666 $\chi^2/\text{NDF}: 555.8/18$

All: 590.038 ± 47.717 $\chi^2/\text{NDF}: 1199.9/39$

- sign 982.439 ± 65.492 $\chi^2/\text{NDF}: 567.6/20$

asym_bpm0l09WS_rms vs Slug



Right In: 201.714 $\pm$ 0.056 χ^2 /NDF: 924210.1/15

Left Out: 208.908 $\pm$ 0.105 χ^2 /NDF: 986.1/2

Right Out: 184.244 $\pm$ 0.051 χ^2 /NDF: 1403761.8/18

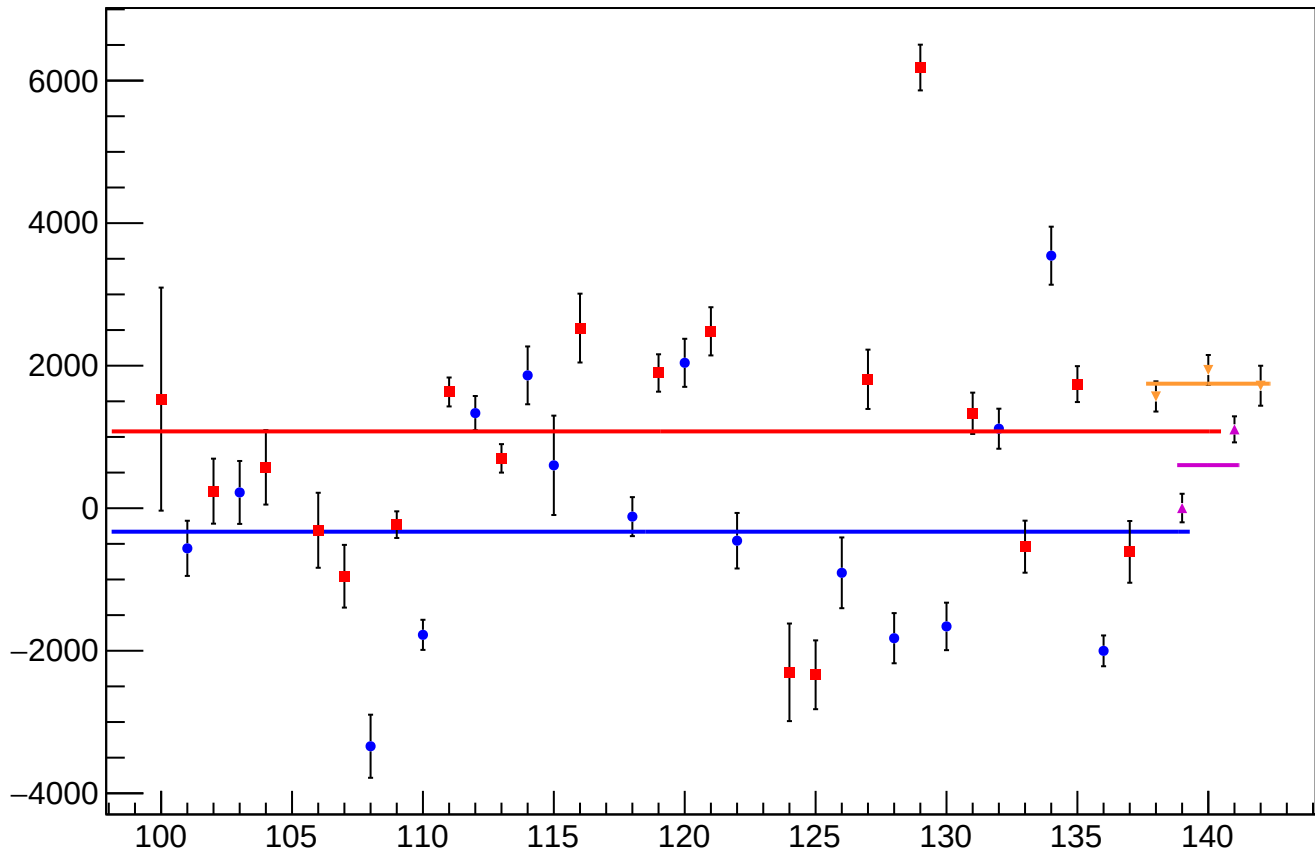
Left In: 202.685 $\pm$ 0.110 χ^2 /NDF: 2264.4/1

+ sign 203.309 $\pm$ 0.049 χ^2 /NDF: 928878.2/18

All: 194.921 $\pm$ 0.034 χ^2 /NDF: 2412626.3/39

- sign 187.507 $\pm$ 0.046 χ^2 /NDF: 1429119.5/20

asym_bpm0l10WS_mean vs Slug



Right In: -329.377 ± 80.367 χ^2/NDF : 436.4/15

Left Out: 1747.374 ± 131.778 χ^2/NDF : 1.6/2

Right Out: 1077.876 ± 73.404 χ^2/NDF : 502.0/18

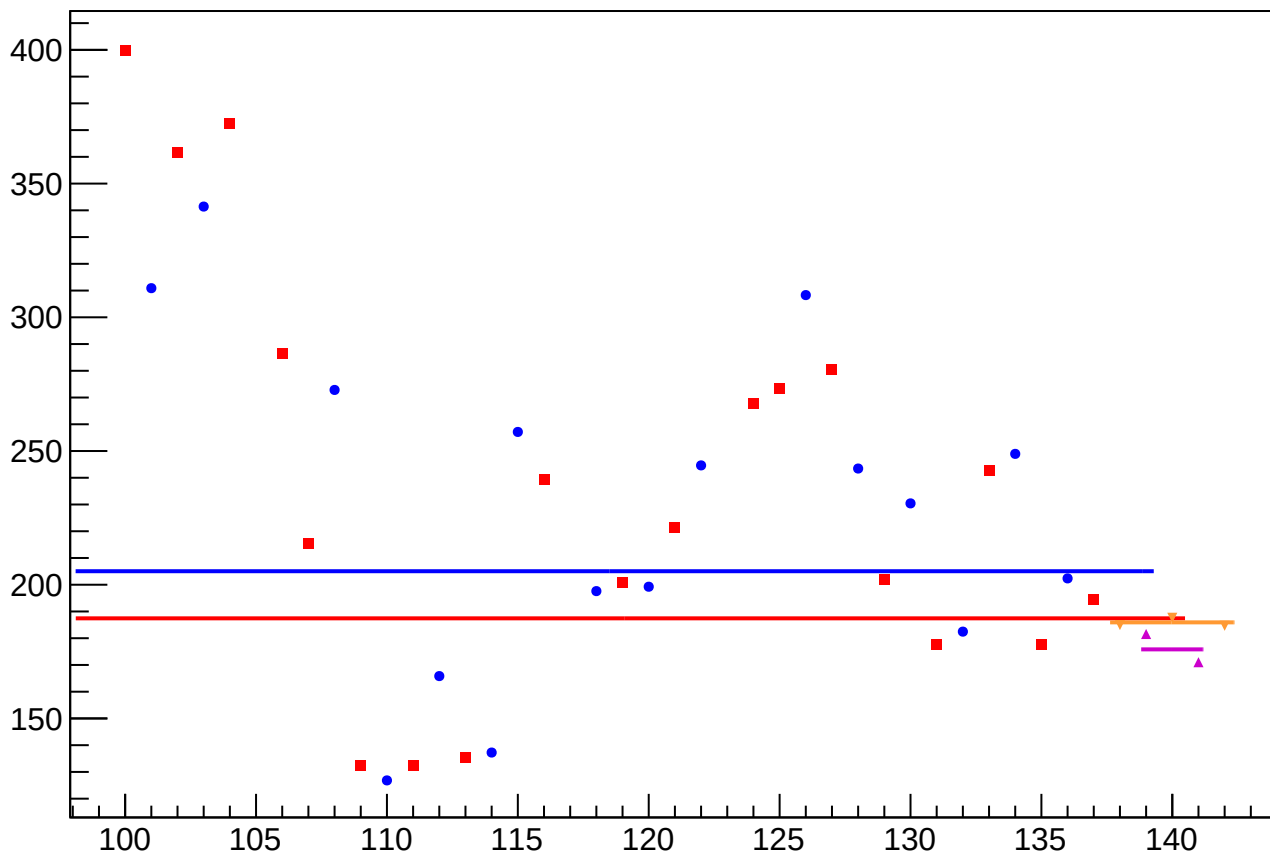
Left In: 604.636 ± 135.031 χ^2/NDF : 16.6/1

+ sign 233.638 ± 68.614 χ^2/NDF : 619.0/18

All: 624.565 ± 46.992 χ^2/NDF : 1208.2/39

- sign 969.928 ± 64.491 χ^2/NDF : 528.0/20

asym_bpm0l10WS_rms vs Slug



Right In: 205.053 $\pm$ 0.057 χ^2 /NDF: 963052.0/15

Left Out: 185.926 $\pm$ 0.093 χ^2 /NDF:220.3/2

Right Out: 187.431 $\pm$ 0.052 χ^2 /NDF: 1410802.2/18

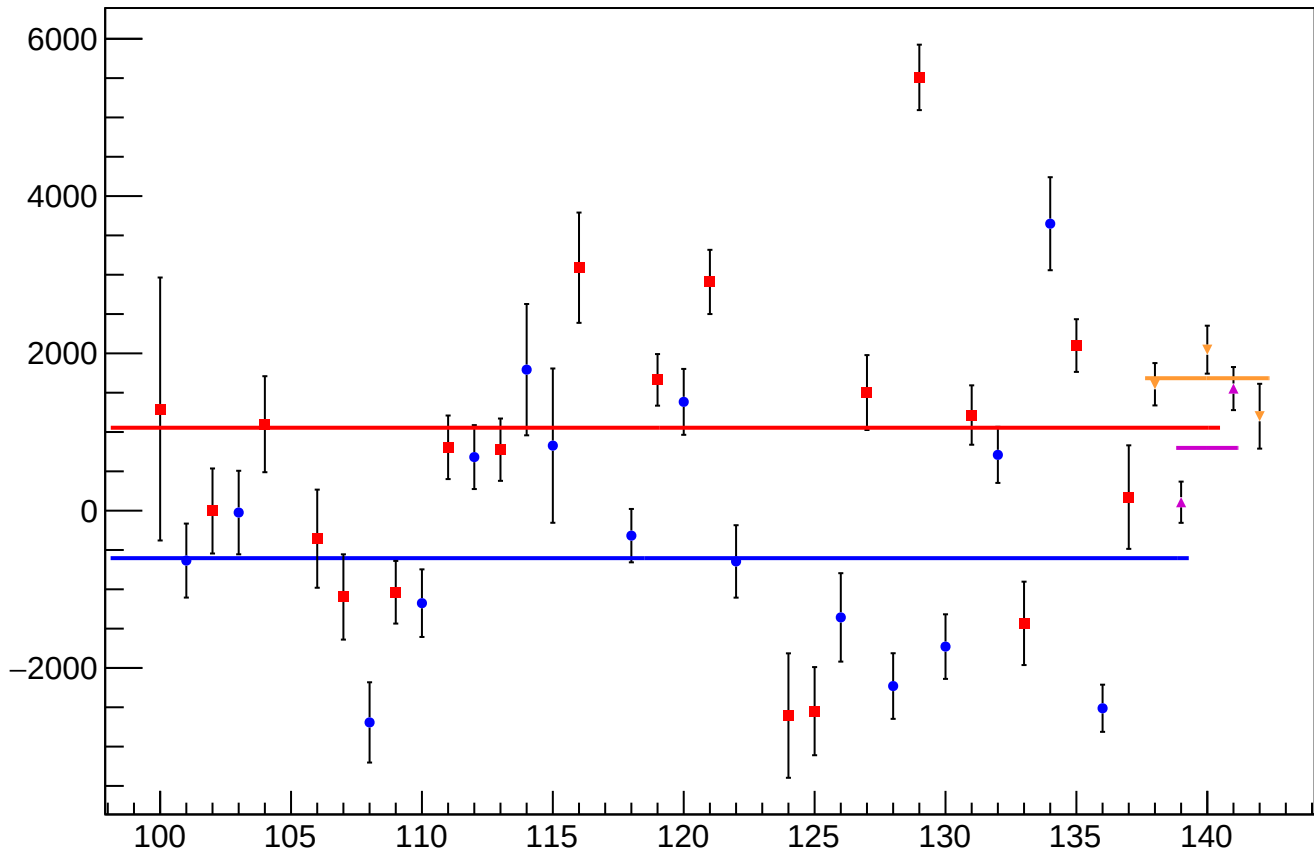
Left In: 175.826 $\pm$ 0.095 χ^2 /NDF:3026.7/1

+ sign 199.868 $\pm$ 0.049 χ^2 /NDF: 993982.1/18

All: 191.859 $\pm$ 0.033 χ^2 /NDF: 2470533.0/39

- sign 184.784 $\pm$ 0.046 χ^2 /NDF: 1425233.0/20

asym_bpm0r03WS_mean vs Slug



Right In: -603.855 ± 110.693 χ^2/NDF : 193.5/15

Left Out: 1684.175 ± 181.275 χ^2/NDF : 2.9/2

Right Out: 1054.556 ± 108.264 χ^2/NDF : 297.7/18

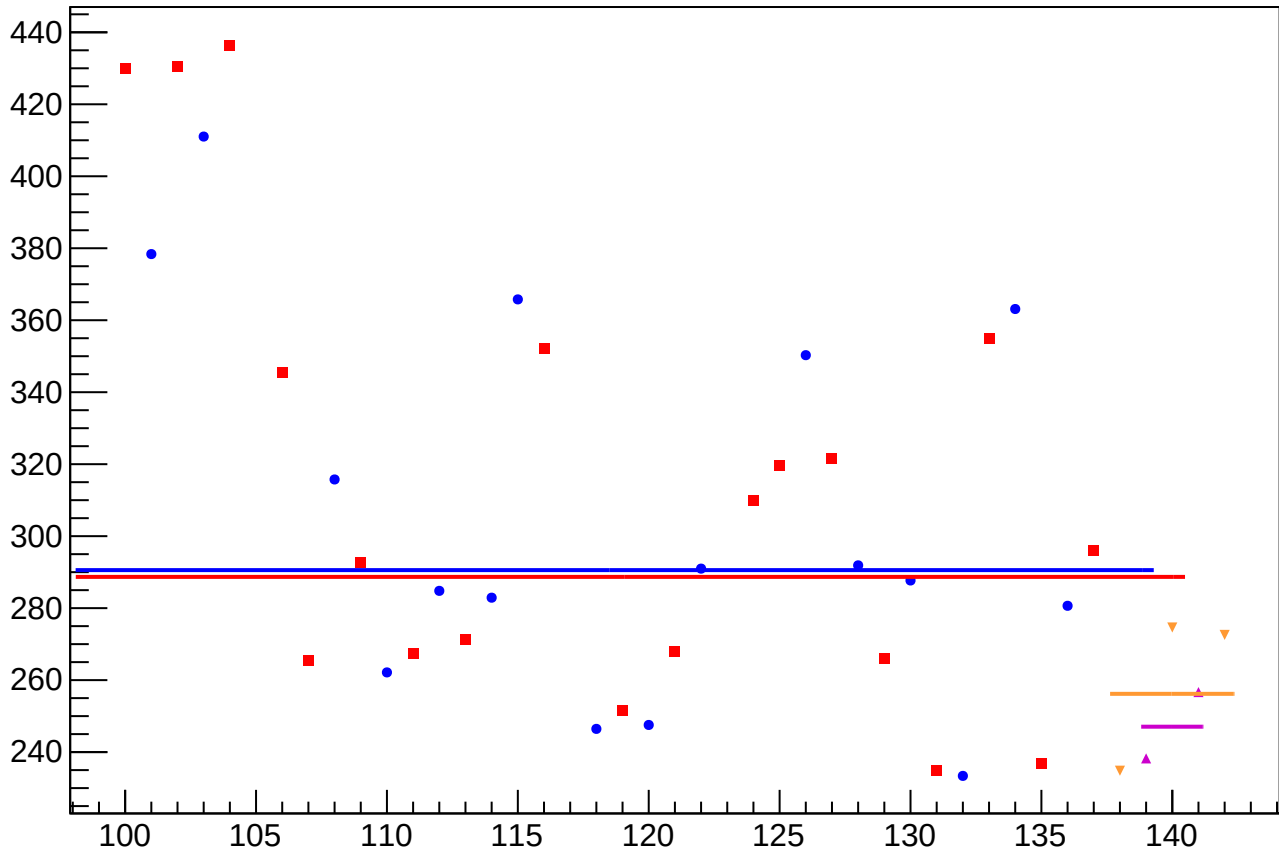
Left In: 797.987 ± 189.368 χ^2/NDF : 14.5/1

+ sign 17.578 ± 94.472 χ^2/NDF : 312.5/18

All: 506.968 ± 66.630 χ^2/NDF : 679.4/39

- sign 991.354 ± 93.988 χ^2/NDF : 313.6/20

asym_bpm0r03WS_rms vs Slug



Right In: 290.566 $\pm$ 0.078 χ^2 /NDF: 359807.1/15

Left Out: 256.191 $\pm$ 0.128 χ^2 /NDF: 23053.2/2

Right Out: 288.686 $\pm$ 0.077 χ^2 /NDF: 489094.8/18

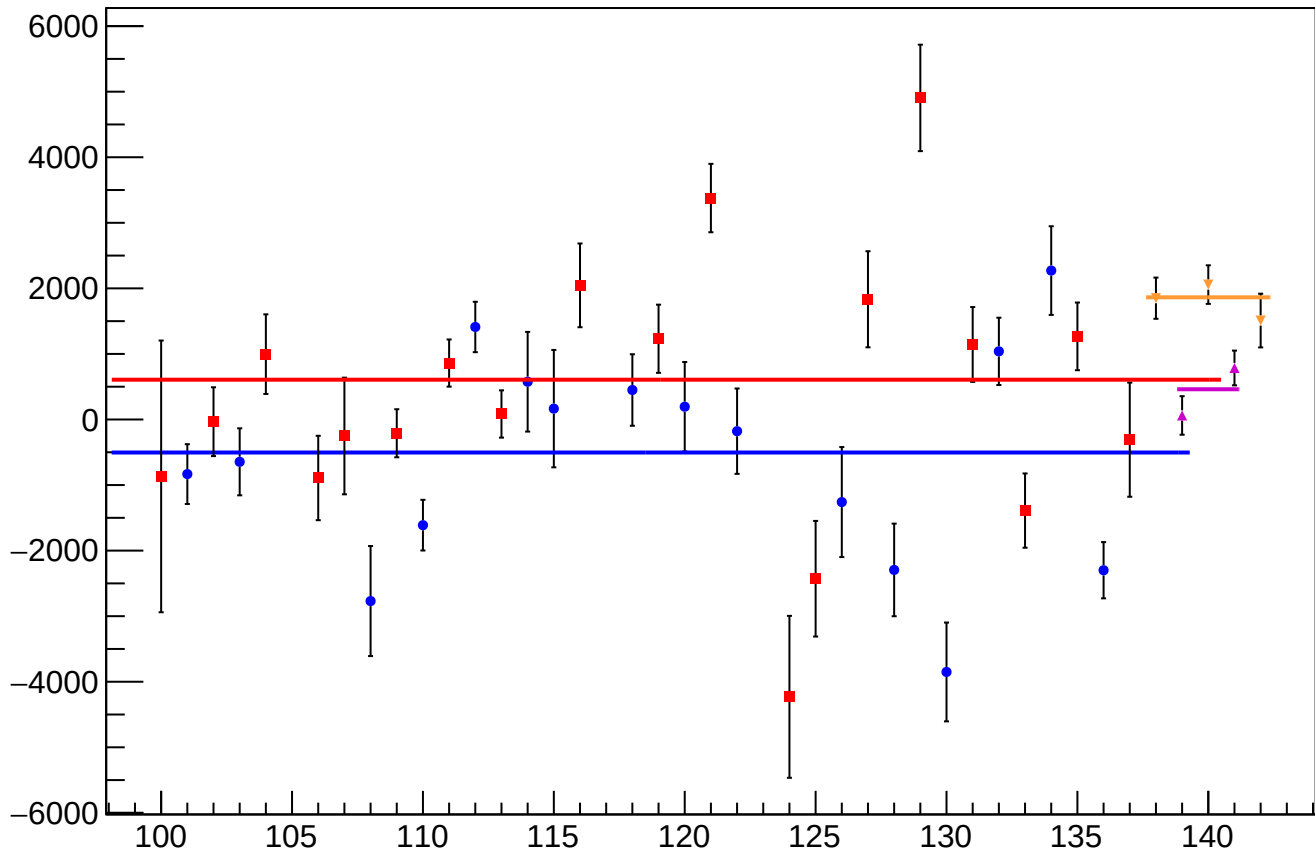
Left In: 247.061 $\pm$ 0.134 χ^2 /NDF: 4724.7/1

+ sign 281.230 $\pm$ 0.067 χ^2 /NDF: 435247.7/18

All: 279.824 $\pm$ 0.047 χ^2 /NDF: 1002776.2/39

- sign 278.432 $\pm$ 0.066 χ^2 /NDF: 566647.2/20

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF : 118.2/15

Left Out: 1863.291+/-190.183 χ^2/NDF : 1.2/2

Right Out: 606.880+/-129.609 χ^2/NDF : 125.1/18

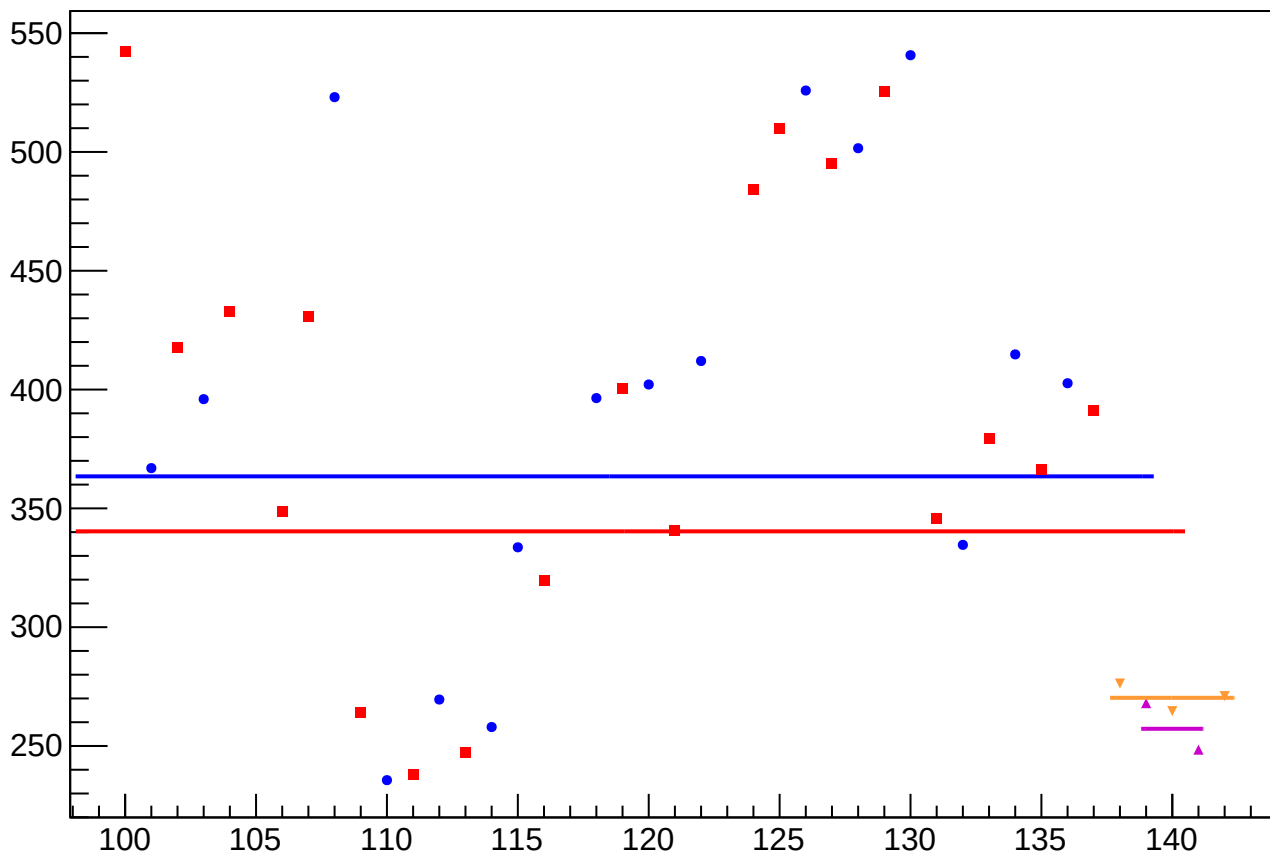
Left In: 461.028+/-196.788 χ^2/NDF : 3.4/1

+ sign 328.630+/-112.776 χ^2/NDF : 219.9/18

All: 450.494+/-78.092 χ^2/NDF : 351.0/39

- sign 562.754+/-108.241 χ^2/NDF : 128.9/20

asym_bpm0r05WS_rms vs Slug



Right In: 363.471 $\pm$ 0.099 χ^2/NDF : 780893.2/15

Left Out: 270.276 $\pm$ 0.134 χ^2/NDF :1464.3/2

Right Out: 340.332 $\pm$ 0.092 χ^2/NDF : 856230.3/18

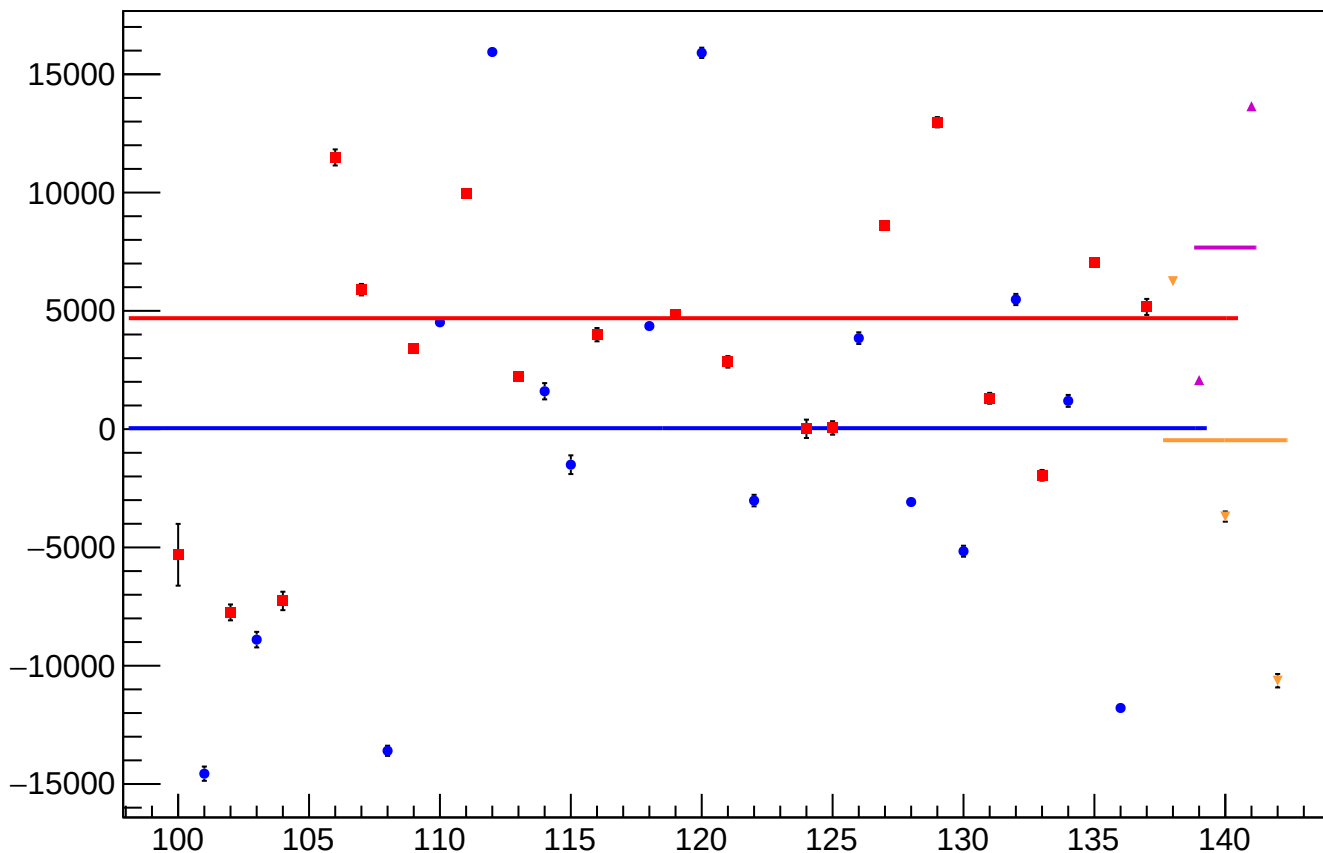
Left In: 257.238 $\pm$ 0.139 χ^2/NDF :4891.3/1

+ sign 330.701 $\pm$ 0.080 χ^2/NDF : 1093737.3/18

All: 322.629 $\pm$ 0.055 χ^2/NDF : 2223251.7/39

- sign 315.193 $\pm$ 0.077 χ^2/NDF : 1109829.4/20

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF : 30786.3/15

Left Out: -467.950+/-126.390 χ^2/NDF : 2803.0/2

Right Out: 4689.710+/-52.095 χ^2/NDF : 7795.7/18

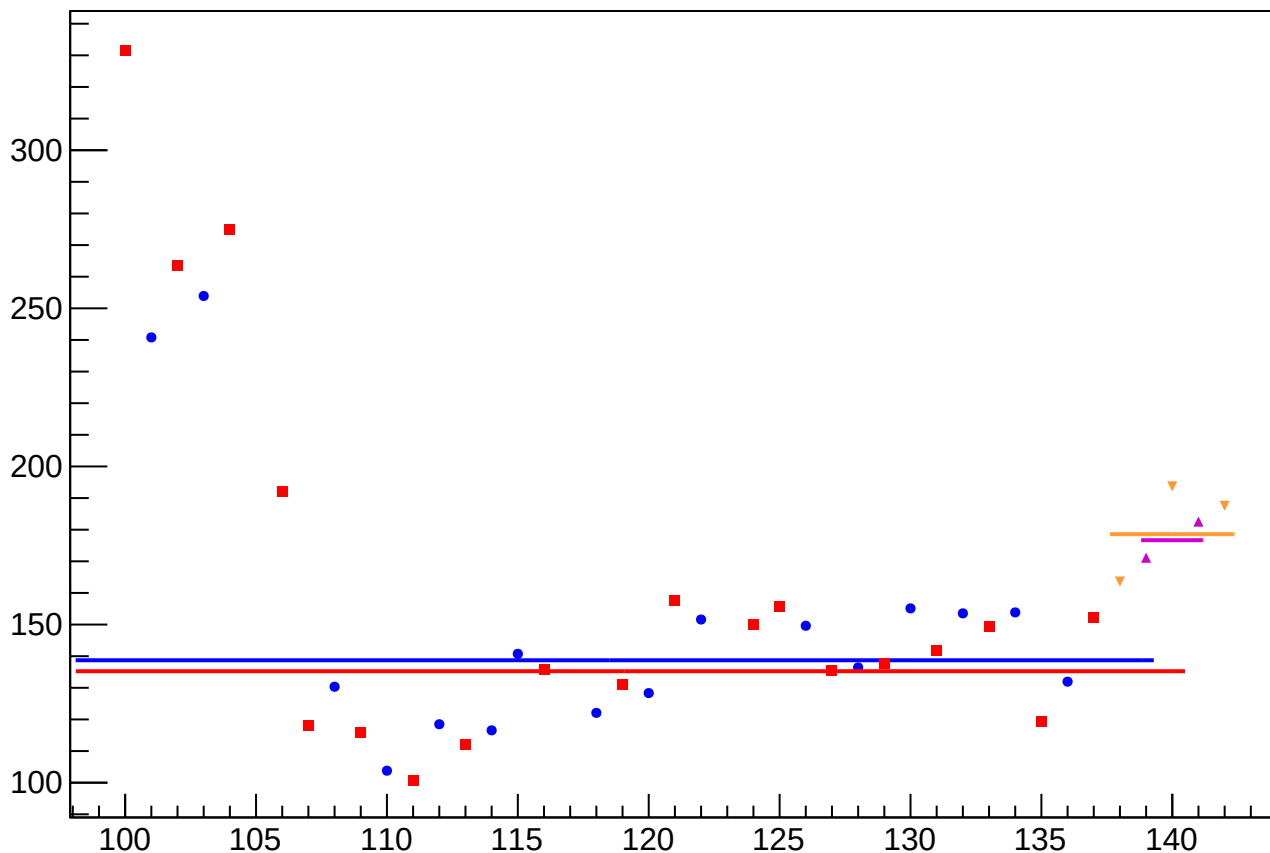
Left In: 7675.269+/-135.766 χ^2/NDF : 1815.7/1

+ sign -38.125+/-49.812 χ^2/NDF : 33603.0/18

All: 2578.342+/-34.800 χ^2/NDF : 49025.4/39

- sign 5072.874+/-48.637 χ^2/NDF : 10032.9/20

asym_bpm0i02WS_rms vs Slug



Right In: 138.712 ± 0.038 χ^2/NDF : 657791.3/15

Left Out: 178.579 ± 0.089 χ^2/NDF : 24749.8/2

Right Out: 135.245 ± 0.037 χ^2/NDF : 890024.8/18

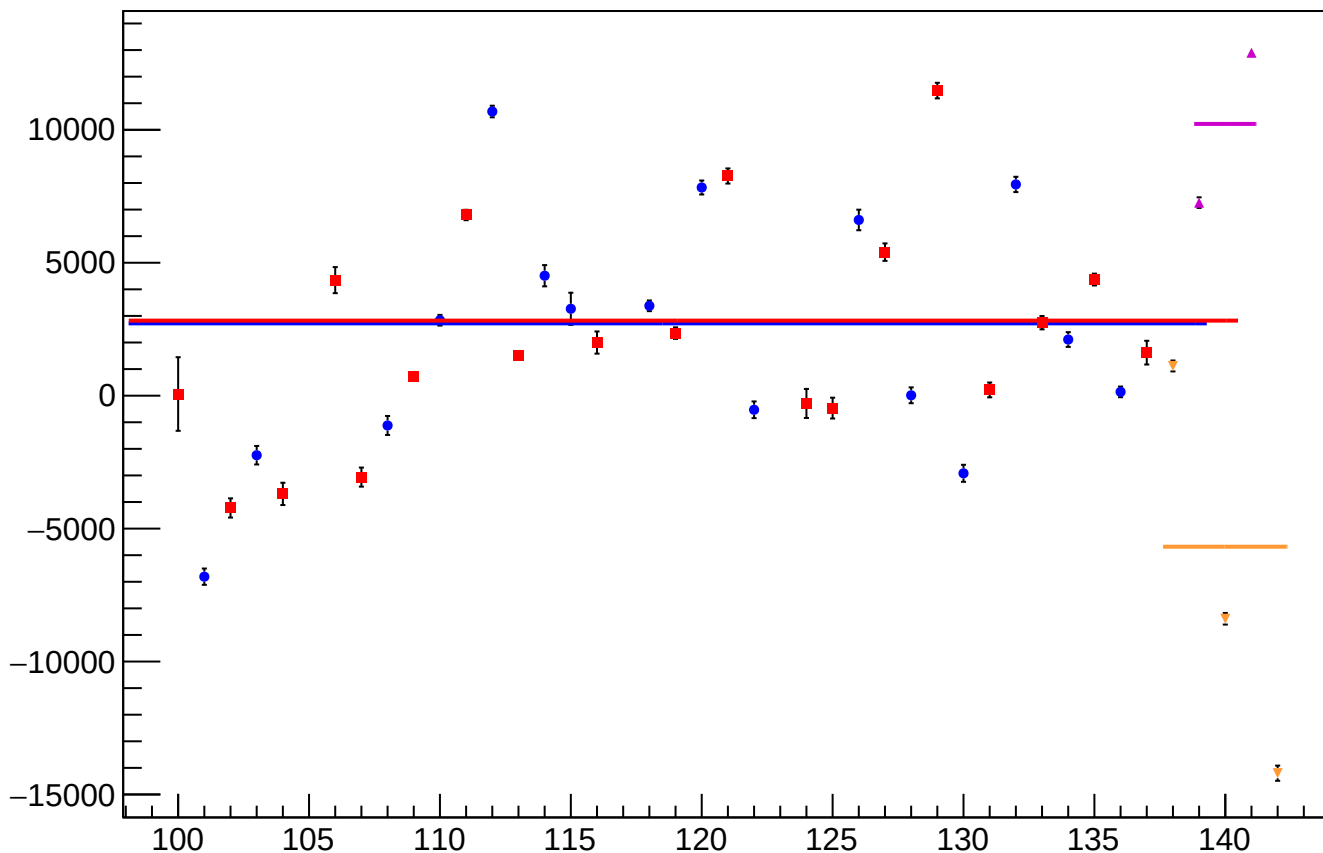
Left In: 176.672 ± 0.096 χ^2/NDF : 3527.2/1

+ sign 144.904 ± 0.035 χ^2/NDF : 850626.6/18

All: 142.681 ± 0.025 χ^2/NDF : 1914276.2/39

- sign 140.562 ± 0.034 χ^2/NDF : 1055868.3/20

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896 $\pm$ 69.247 χ^2 /NDF: 4129.3/15

Left Out: -5681.114 $\pm$ 132.562 χ^2 /NDF:2138.5/2

Right Out: 2823.679 $\pm$ 64.850 χ^2 /NDF: 3062.8/18

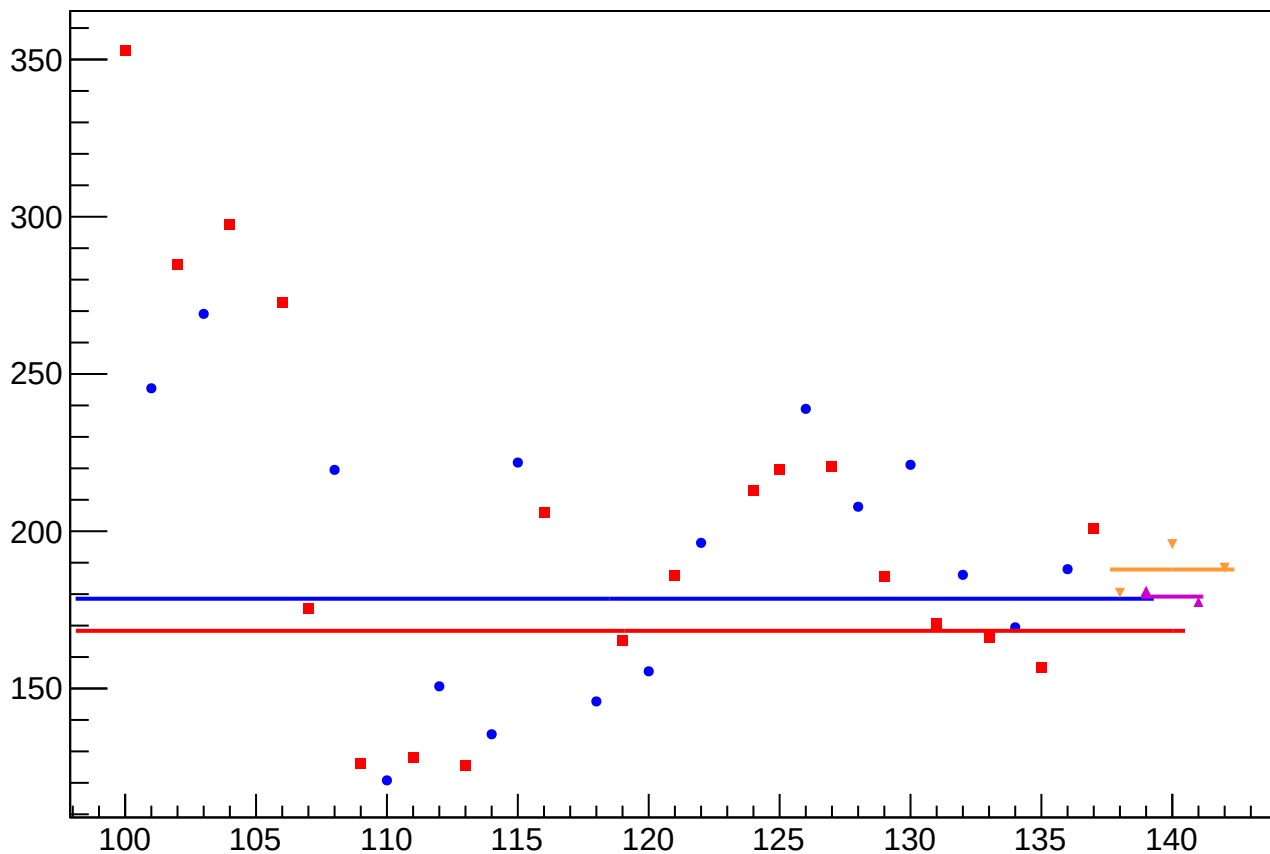
Left In: 10221.655 $\pm$ 137.394 χ^2 /NDF:420.1/1

+ sign 918.923 $\pm$ 61.377 χ^2 /NDF: 9423.0/18

All: 2619.228 $\pm$ 42.402 χ^2 /NDF: 16745.0/39

- sign 4171.552 $\pm$ 58.646 χ^2 /NDF: 5853.9/20

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541 $\pm$ 0.049 χ^2 /NDF: 674566.0/15

Left Out: 187.837 $\pm$ 0.094 χ^2 /NDF: 5338.7/2

Right Out: 168.335 $\pm$ 0.046 χ^2 /NDF: 979485.9/18

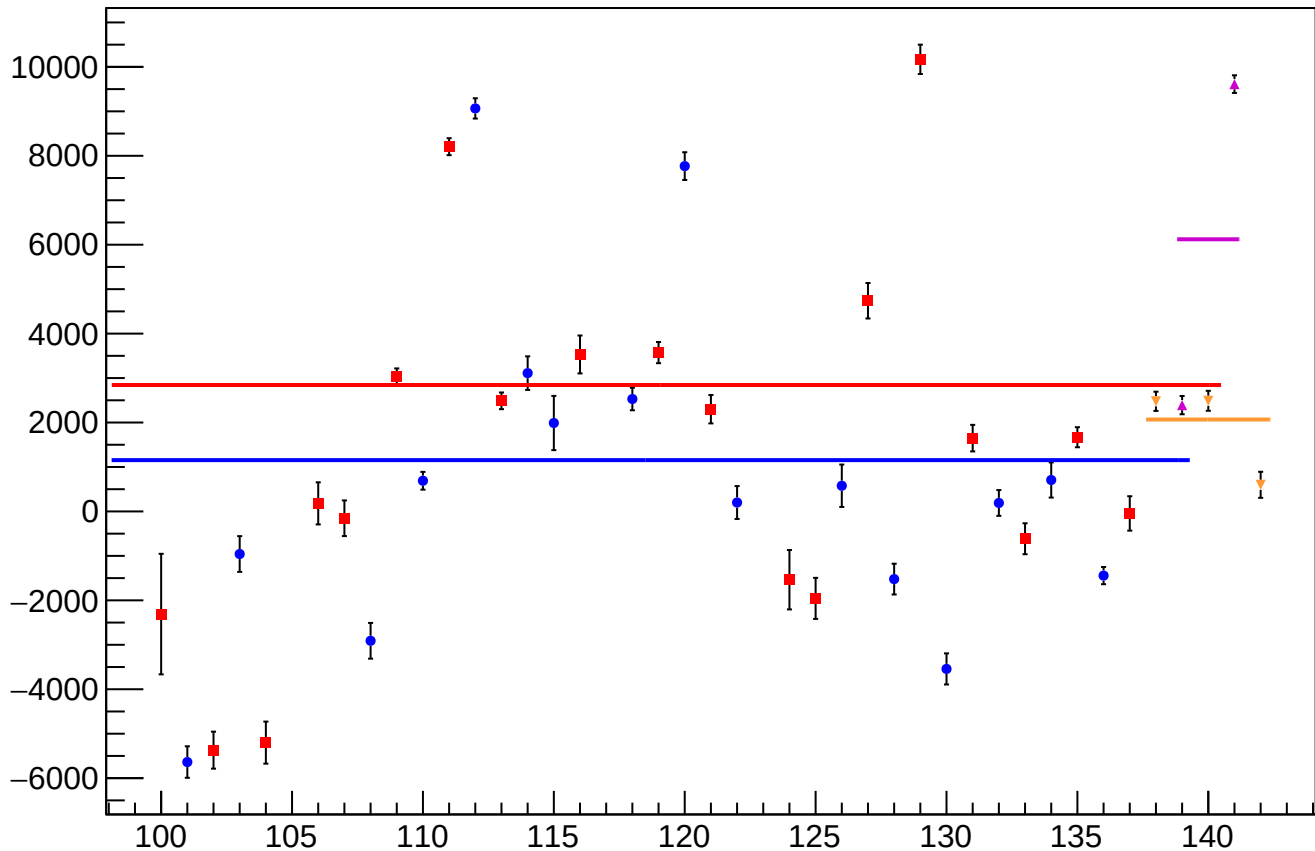
Left In: 179.221 $\pm$ 0.097 χ^2 /NDF: 336.9/1

+ sign 180.534 $\pm$ 0.043 χ^2 /NDF: 687631.8/18

All: 175.194 $\pm$ 0.030 χ^2 /NDF: 1706686.2/39

- sign 170.318 $\pm$ 0.041 χ^2 /NDF: 990090.5/20

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF : 2655.3/15

Left Out: 2067.370+/-137.548 χ^2/NDF : 32.3/2

Right Out: 2843.895+/-69.139 χ^2/NDF : 2453.1/18

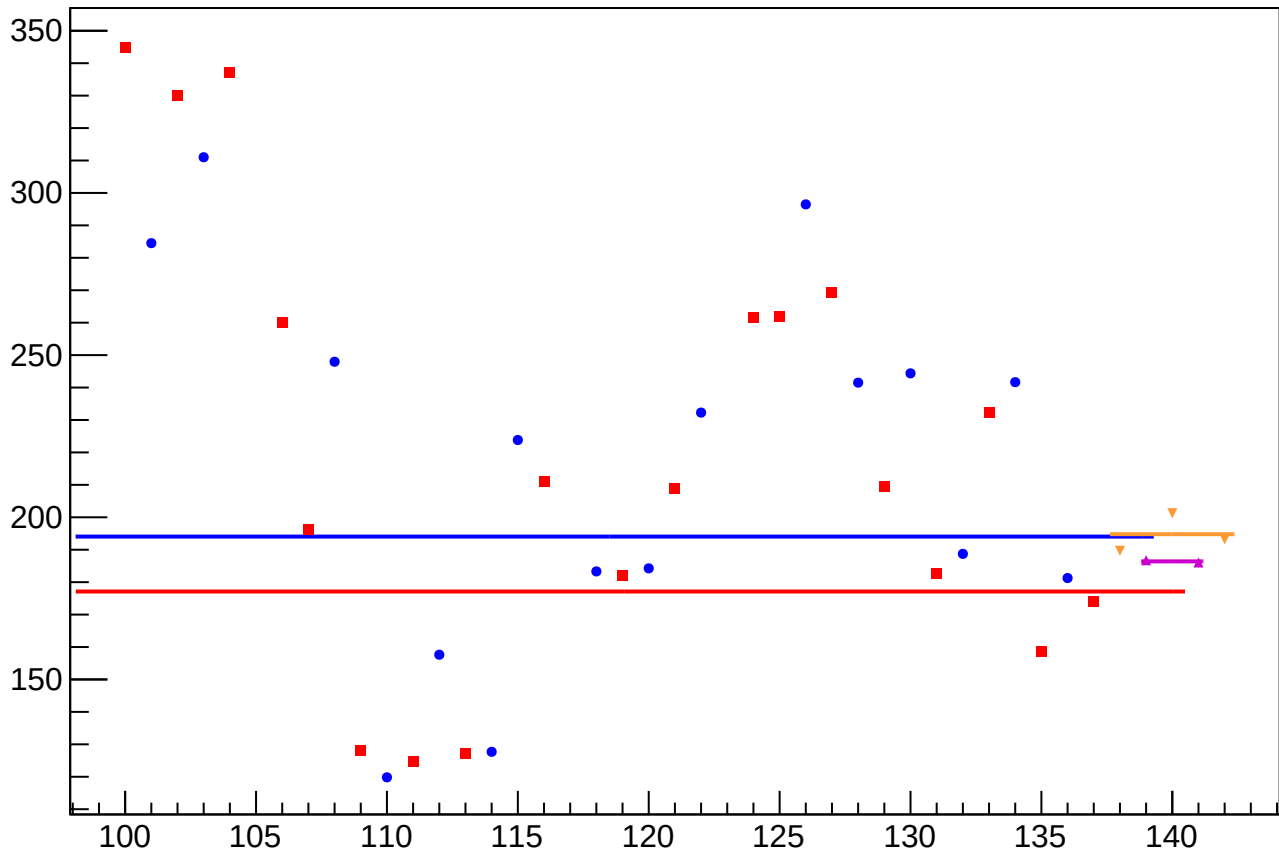
Left In: 6121.840+/-142.841 χ^2/NDF : 638.2/1

+ sign 1367.307+/-66.492 χ^2/NDF : 2721.4/18

All: 2486.079+/-45.436 χ^2/NDF : 6770.5/39

- sign 3466.094+/-62.232 χ^2/NDF : 3518.0/20

asym_bpm0i05WS_rms vs Slug



Right In: 194.053 $\pm$ 0.054 χ^2 /NDF: 965786.1/15

Left Out: 194.791 $\pm$ 0.097 χ^2 /NDF: 2828.8/2

+ sign 194.226 $\pm$ 0.047 χ^2 /NDF: 968659.1/18

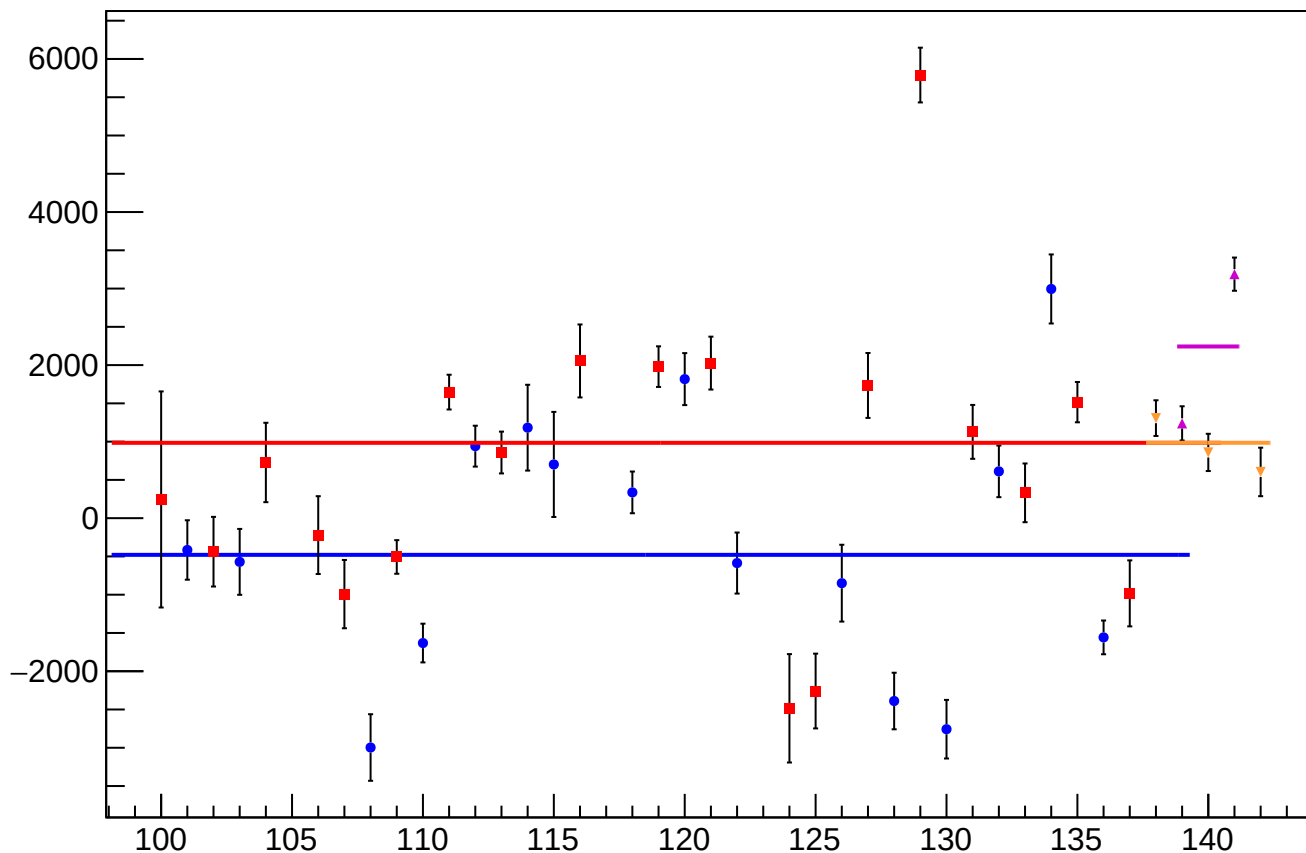
Right Out: 177.115 $\pm$ 0.049 χ^2 /NDF: 1359345.8/18

All: 186.045 $\pm$ 0.032 χ^2 /NDF: 2391666.6/39

- sign 178.879 $\pm$ 0.044 χ^2 /NDF: 1366214.5/20

Left In: 186.407 $\pm$ 0.101 χ^2 /NDF: 11.7/1

asym_bpm0i07WS_mean vs Slug



Right In: -479.302 ± 86.685 χ^2/NDF : 305.4/15

Left Out: 985.291 ± 148.643 χ^2/NDF : 3.6/2

Right Out: 984.498 ± 80.945 χ^2/NDF : 398.1/18

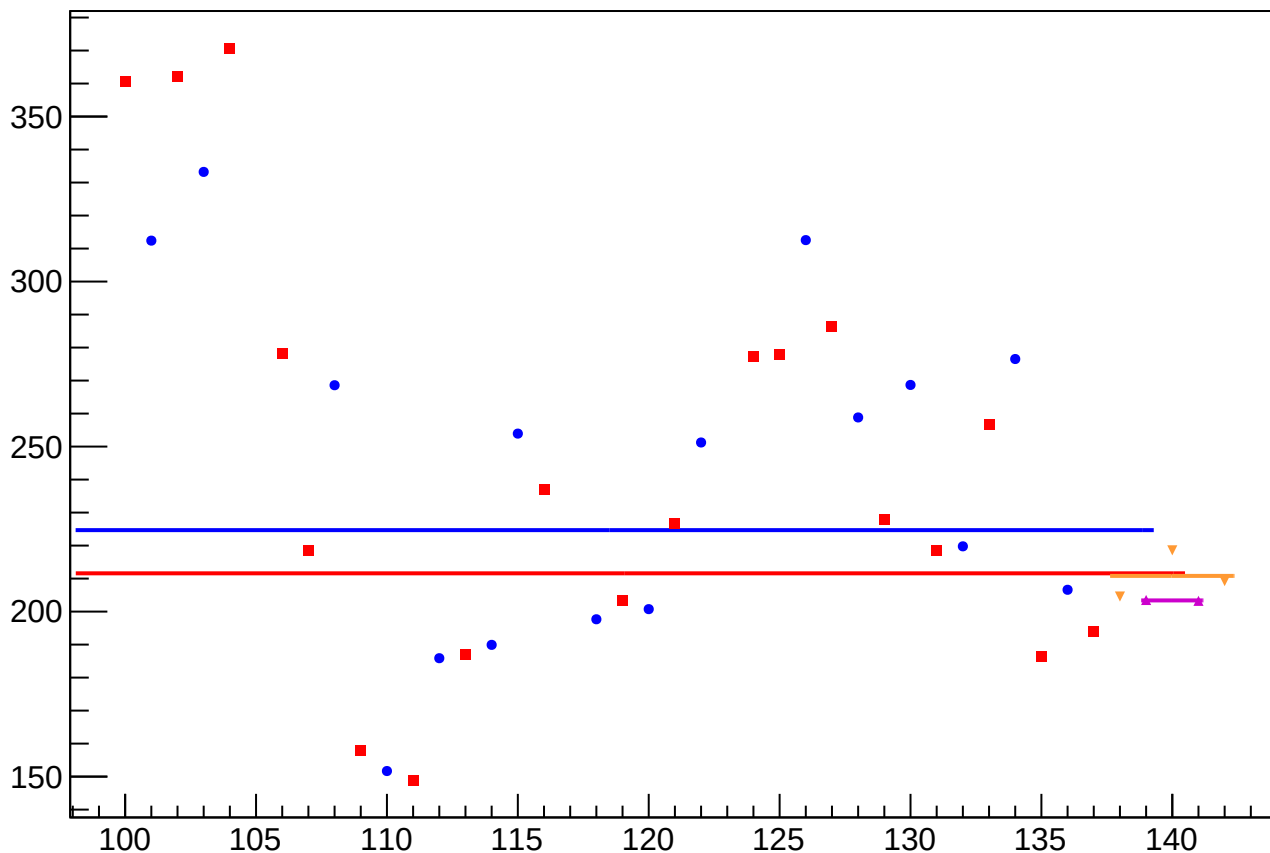
Left In: 2243.328 ± 155.681 χ^2/NDF : 39.2/1

+ sign -107.613 ± 74.882 χ^2/NDF : 381.5/18

All: 600.782 ± 51.832 χ^2/NDF : 1042.1/39

- sign 1252.390 ± 71.818 χ^2/NDF : 488.8/20

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF : 653193.4/15

Left Out: 210.816+/-0.105 χ^2/NDF : 3515.4/2

Right Out: 211.595+/-0.057 χ^2/NDF : 932902.5/18

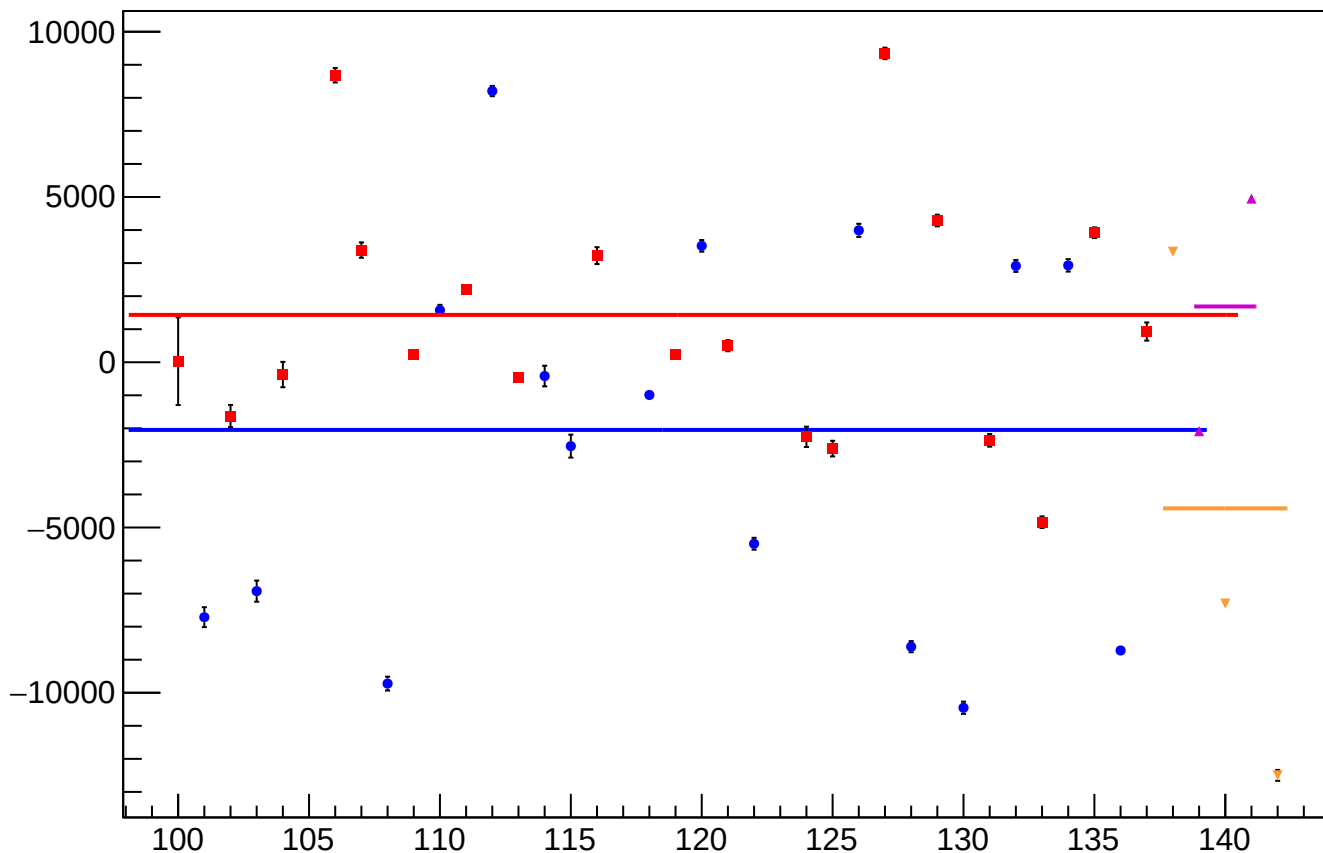
Left In: 203.386+/-0.110 χ^2/NDF : 1.4/1

+ sign 221.163+/-0.053 χ^2/NDF : 669697.7/18

All: 215.269+/-0.037 χ^2/NDF : 1630767.6/39

- sign 209.848+/-0.051 χ^2/NDF : 937281.7/20

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF : 16709.1/15

Left Out: -4421.226+/-78.910 χ^2/NDF : 6631.2/2

Right Out: 1432.909+/-44.729 χ^2/NDF : 6387.8/18

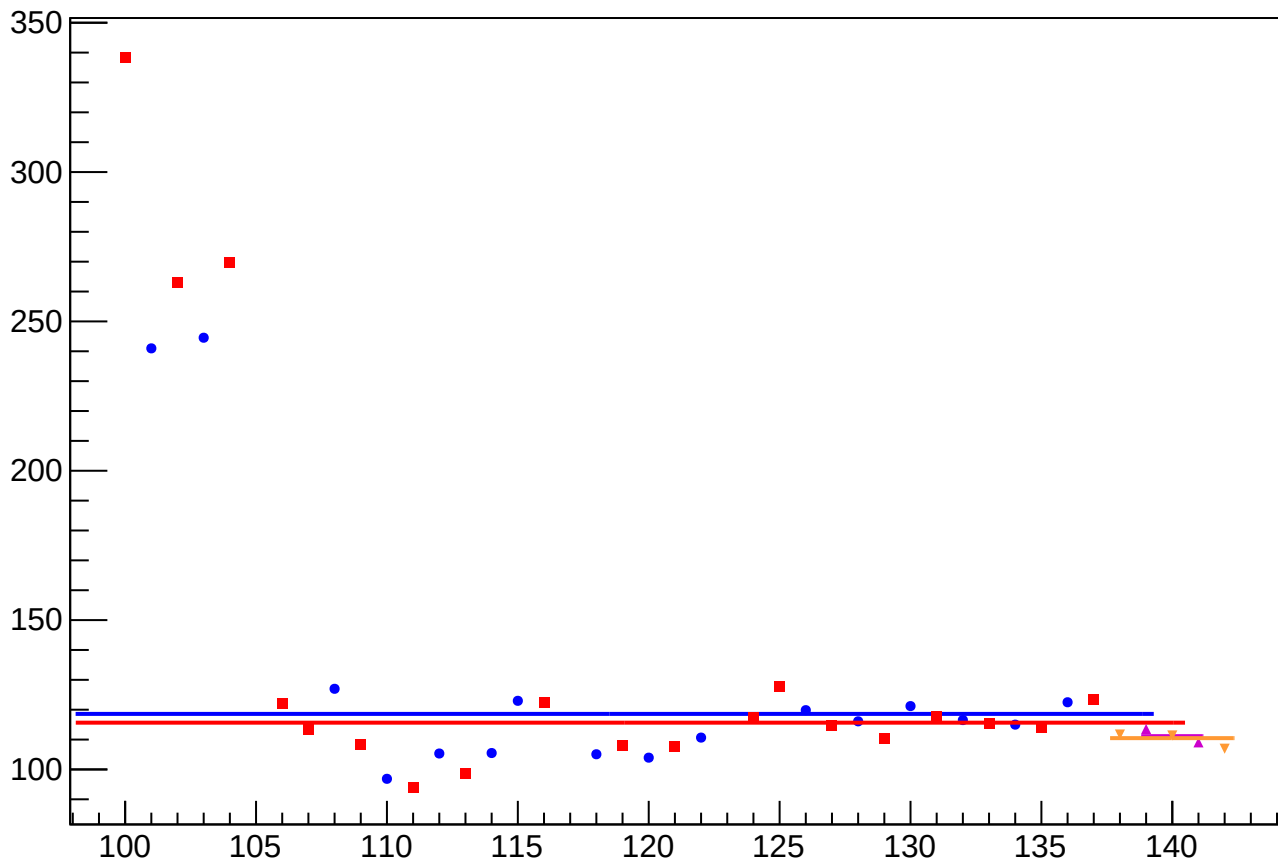
Left In: 1687.601+/-86.208 χ^2/NDF : 1657.2/1

+ sign -2663.486+/-40.203 χ^2/NDF : 24010.5/18

All: -562.295+/-28.249 χ^2/NDF : 37457.9/39

- sign 1486.931+/-39.703 χ^2/NDF : 8051.8/20

asym_bpm1i02WS_rms vs Slug



Right In: 118.596 $\pm$ 0.033 χ^2 /NDF: 734158.7/15

Left Out: 110.481 $\pm$ 0.056 χ^2 /NDF:1207.3/2

Right Out: 115.660 $\pm$ 0.032 χ^2 /NDF: 864206.3/18

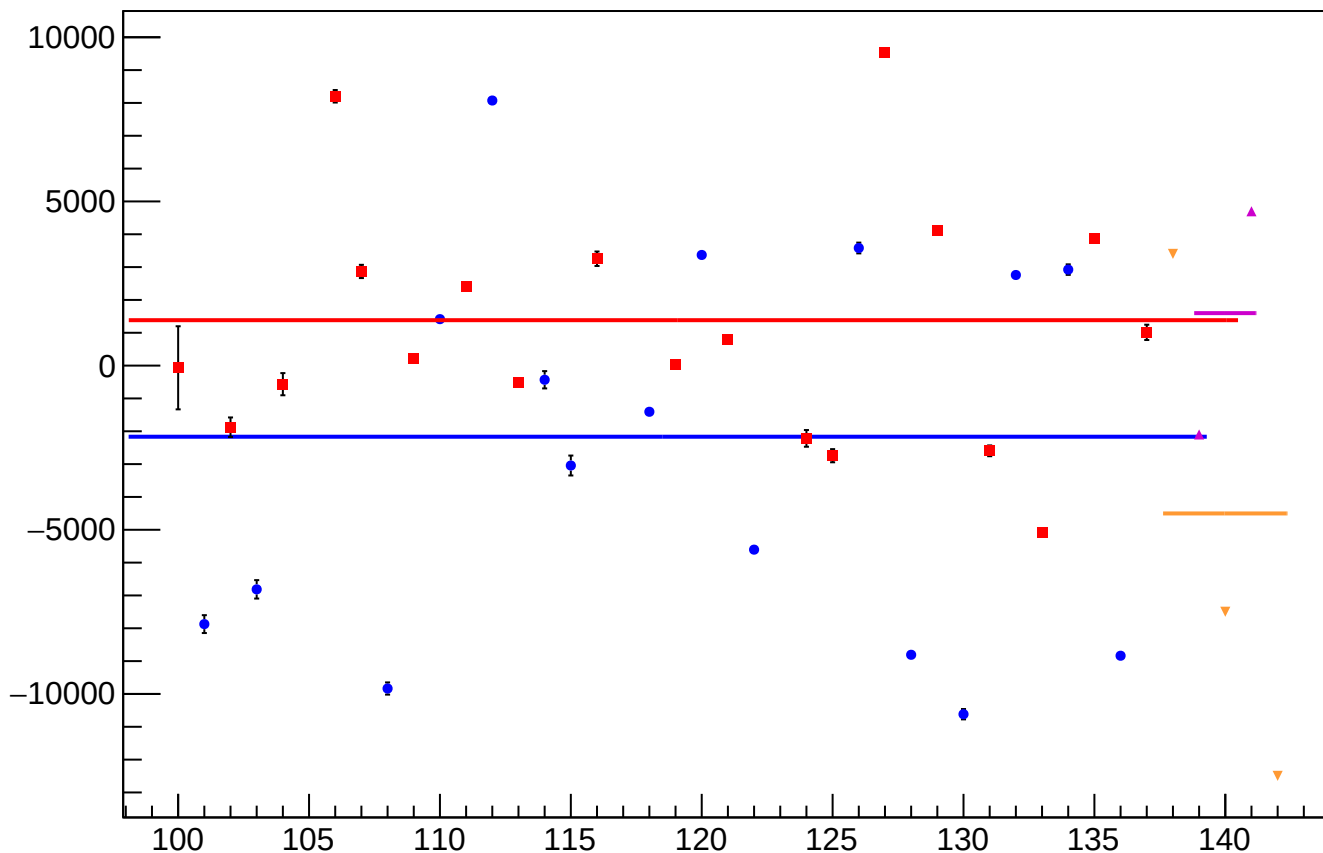
Left In: 111.146 $\pm$ 0.061 χ^2 /NDF:1344.8/1

+ sign 116.489 $\pm$ 0.028 χ^2 /NDF: 751027.9/18

All: 115.585 $\pm$ 0.020 χ^2 /NDF: 1622900.1/39

- sign 114.702 $\pm$ 0.028 χ^2 /NDF: 869871.3/20

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877 ± 39.632 χ^2/NDF : 22874.8/15

Left Out: -4502.827 ± 71.486 χ^2/NDF : 8139.7/2

Right Out: 1383.103 ± 37.976 χ^2/NDF : 9148.6/18

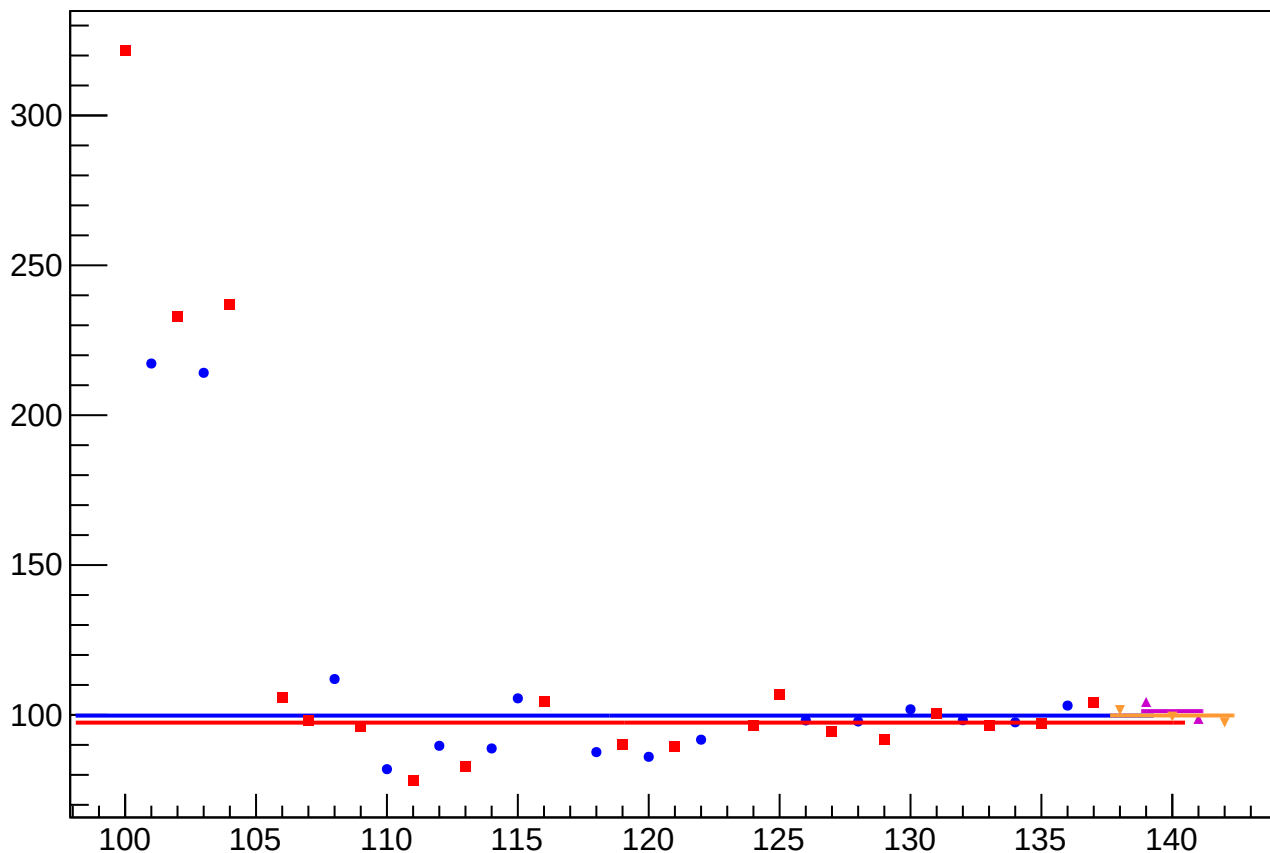
Left In: 1598.164 ± 78.658 χ^2/NDF : 1852.5/1

+ sign -2715.290 ± 34.662 χ^2/NDF : 31832.0/18

All: -617.945 ± 24.344 χ^2/NDF : 50064.8/39

- sign 1423.756 ± 34.199 χ^2/NDF : 11007.2/20

asym_bpm1i04WS_rms vs Slug



Right In: 99.775 $\pm$ 0.028 χ^2 /NDF: 809152.9/15

Left Out: 99.813 $\pm$ 0.051 χ^2 /NDF: 976.6/2

Right Out: 97.428 $\pm$ 0.027 χ^2 /NDF: 926047.7/18

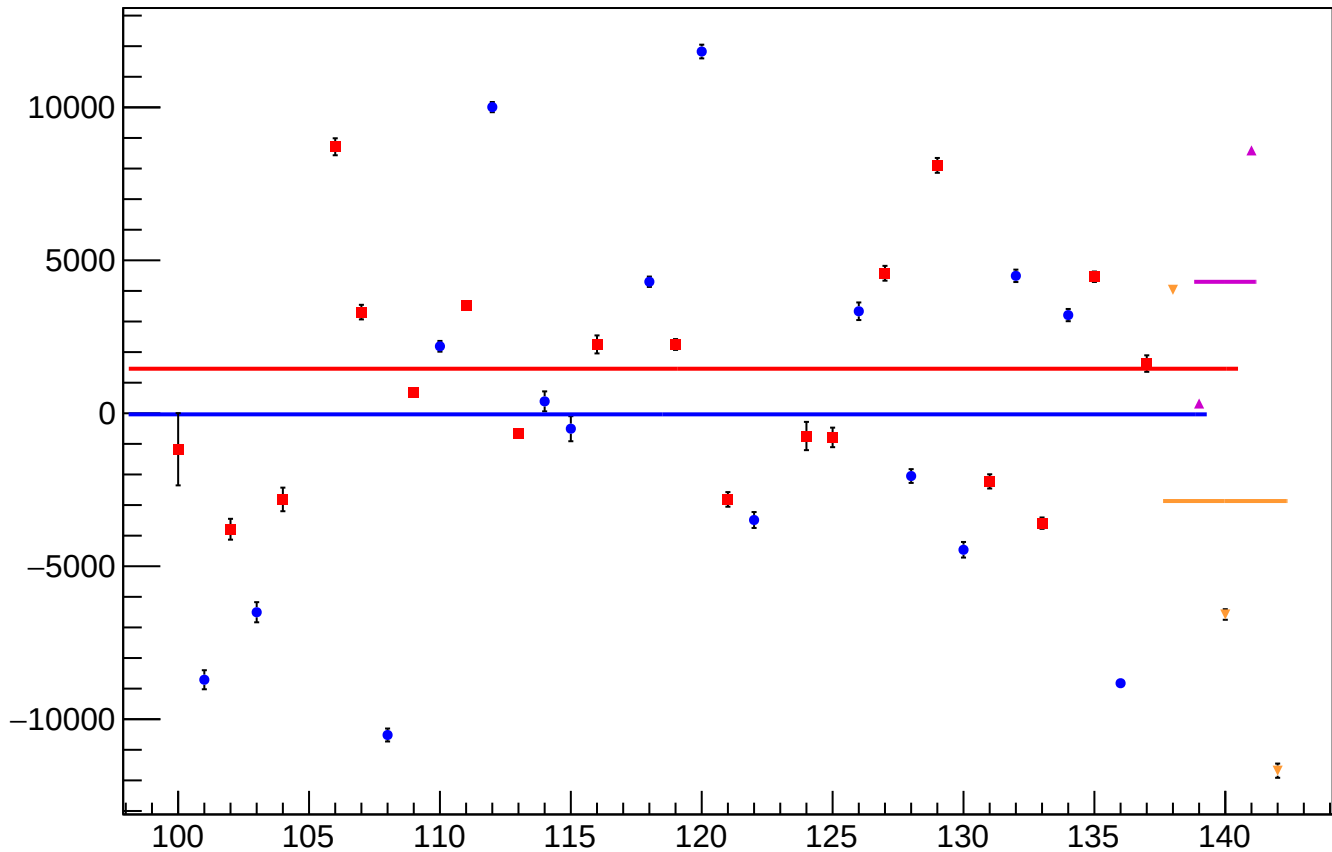
Left In: 101.262 $\pm$ 0.056 χ^2 /NDF: 2555.3/1

+ sign 99.784 $\pm$ 0.025 χ^2 /NDF: 810129.9/18

All: 98.957 $\pm$ 0.017 χ^2 /NDF: 1744831.5/39

- sign 98.152 $\pm$ 0.024 χ^2 /NDF: 932457.1/20

asym_bpm1i06WS_mean vs Slug



Right In: -34.667 ± 53.465 χ^2/NDF : 16802.8/15

Left Out: -2868.248 ± 103.404 χ^2/NDF : 3877.2/2

Right Out: 1456.665 ± 51.946 χ^2/NDF : 4117.0/18

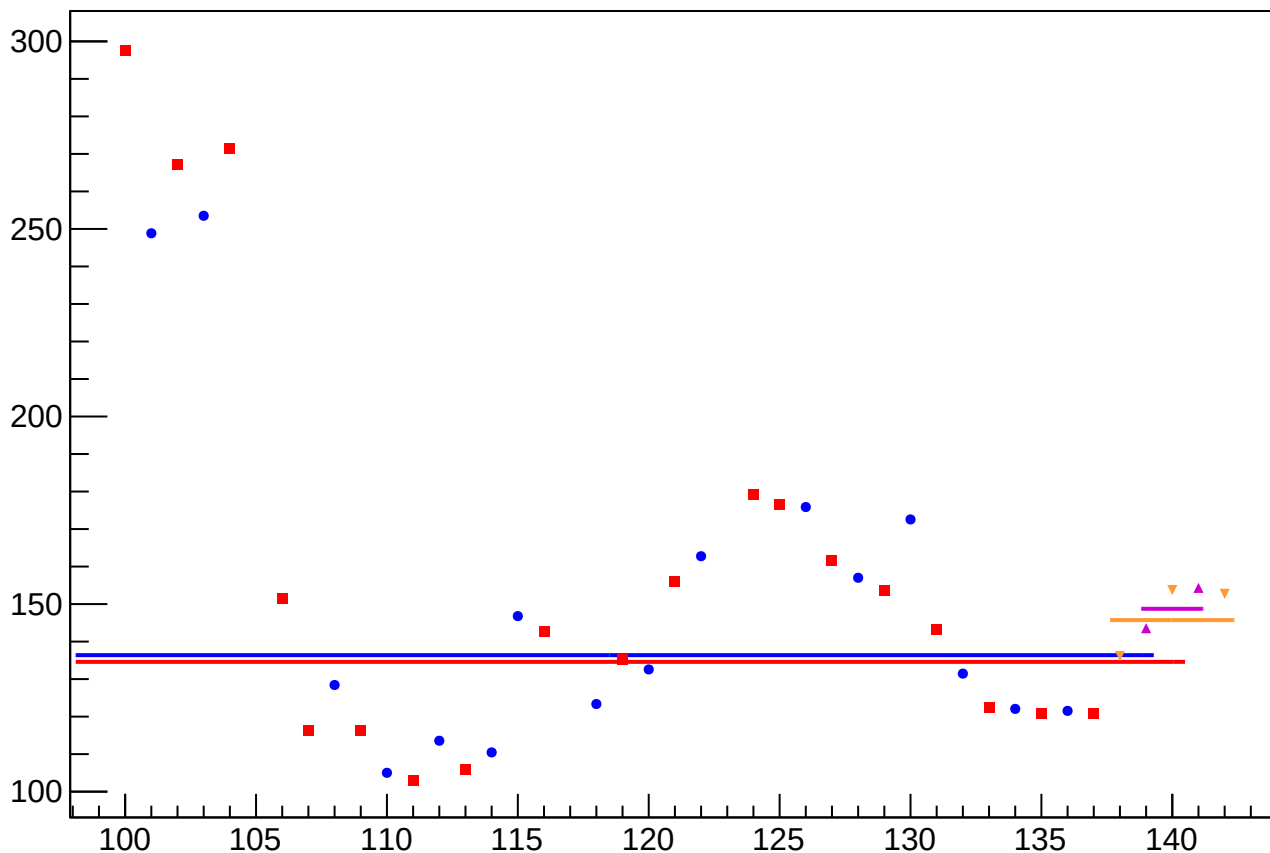
Left In: 4297.752 ± 114.633 χ^2/NDF : 1300.5/1

+ sign -632.406 ± 47.492 χ^2/NDF : 21272.5/18

All: 658.964 ± 33.519 χ^2/NDF : 28672.8/39

- sign 1940.676 ± 47.315 χ^2/NDF : 5927.1/20

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF : 796855.7/15

Left Out: 145.729+/-0.073 χ^2/NDF :13700.7/2

Right Out: 134.598+/-0.037 χ^2/NDF : 919605.2/18

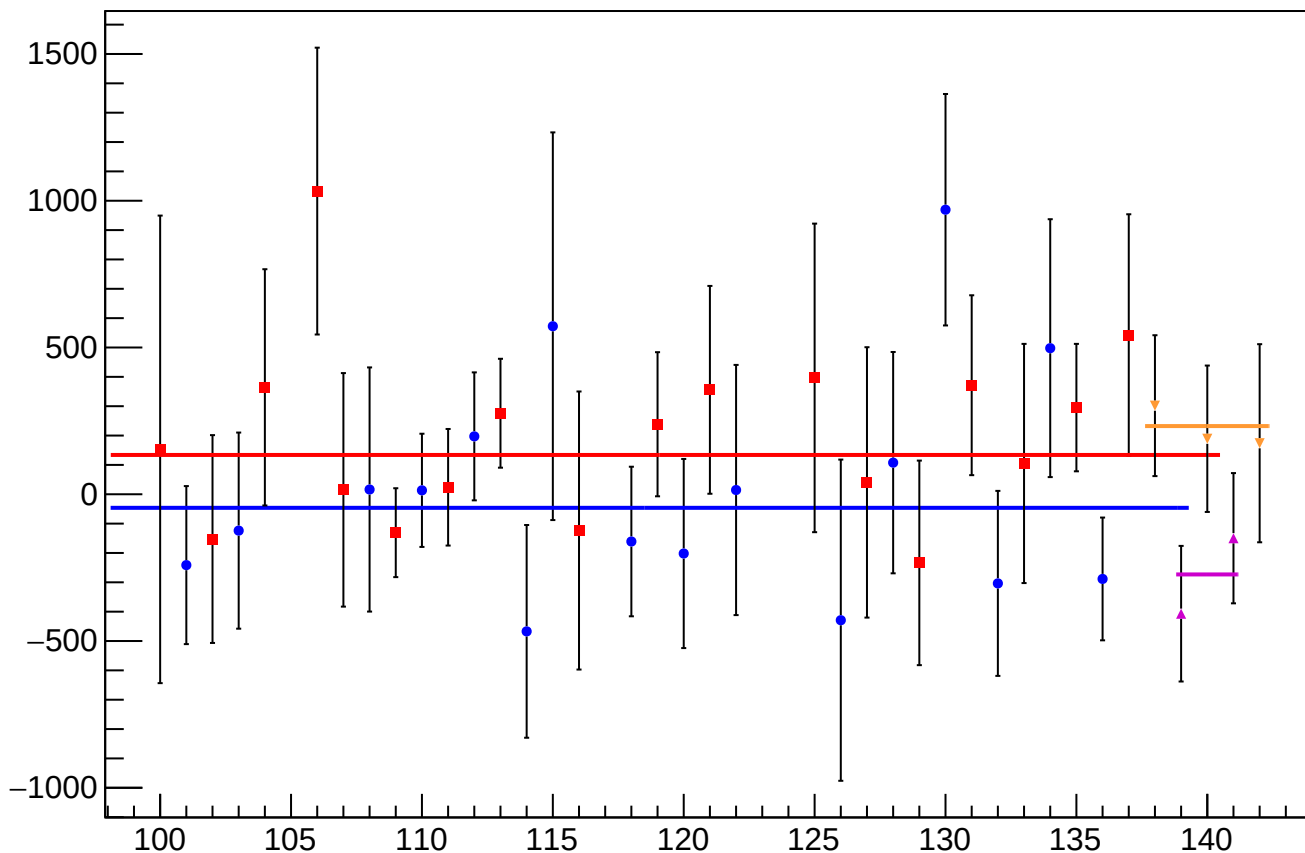
Left In: 148.740+/-0.081 χ^2/NDF :4398.4/1

+ sign 138.355+/-0.034 χ^2/NDF : 823447.9/18

All: 137.679+/-0.024 χ^2/NDF : 1773510.7/39

- sign 137.008+/-0.033 χ^2/NDF : 949255.0/20

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199 ± 76.283 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 232.290 ± 153.894 $\chi^2/\text{NDF}: 0.1/2$

Right Out: 133.913 ± 68.414 $\chi^2/\text{NDF}: 12.8/17$

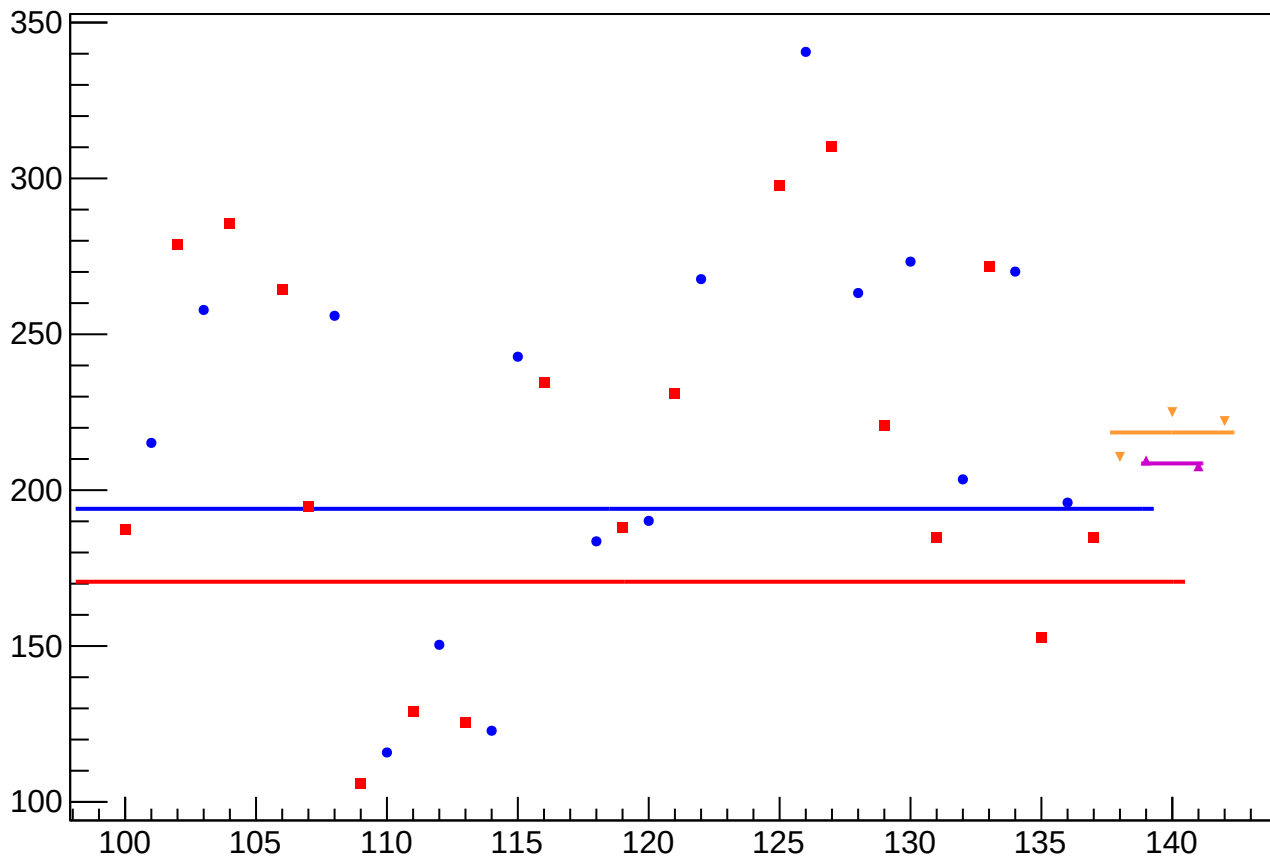
Left In: -273.160 ± 160.024 $\chi^2/\text{NDF}: 0.6/1$

+ sign 8.730 ± 68.347 $\chi^2/\text{NDF}: 18.2/18$

All: 42.447 ± 46.285 $\chi^2/\text{NDF}: 37.6/38$

- sign 71.008 ± 62.906 $\chi^2/\text{NDF}: 18.9/19$

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017 ± 0.054 χ^2/NDF : 1043588.7/15

Left Out: 218.505 ± 0.109 χ^2/NDF : 3735.0/2

Right Out: 170.624 ± 0.048 χ^2/NDF : 1593735.4/17

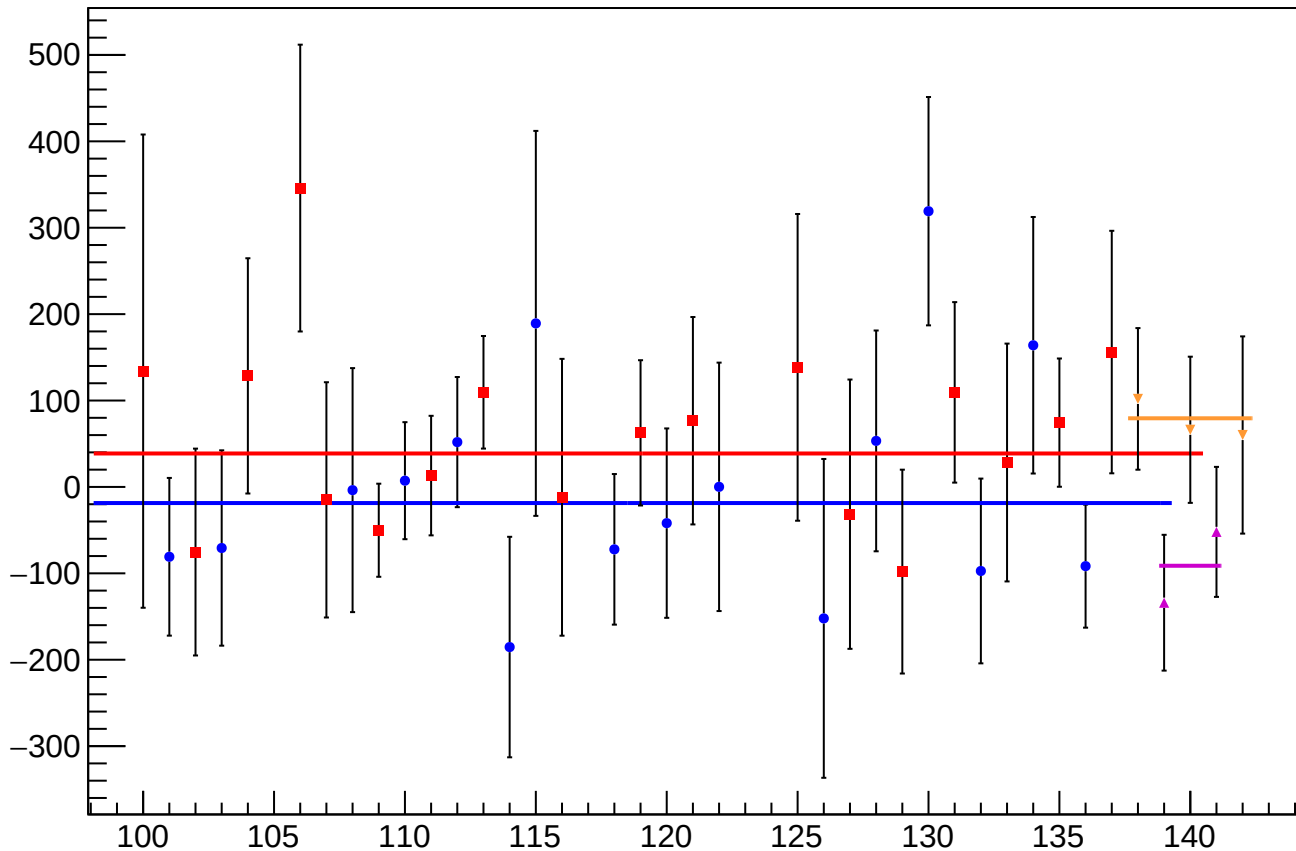
Left In: 208.576 ± 0.113 χ^2/NDF : 66.3/1

+ sign 198.847 ± 0.048 χ^2/NDF : 1087975.6/18

All: 186.742 ± 0.033 χ^2/NDF : 2892762.1/38

- sign 176.488 ± 0.044 χ^2/NDF : 1688912.8/19

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645 ± 26.122 χ^2/NDF : 15.2/15

Left Out: 79.446 ± 52.315 χ^2/NDF : 0.1/2

Right Out: 38.716 ± 23.652 χ^2/NDF : 12.6/17

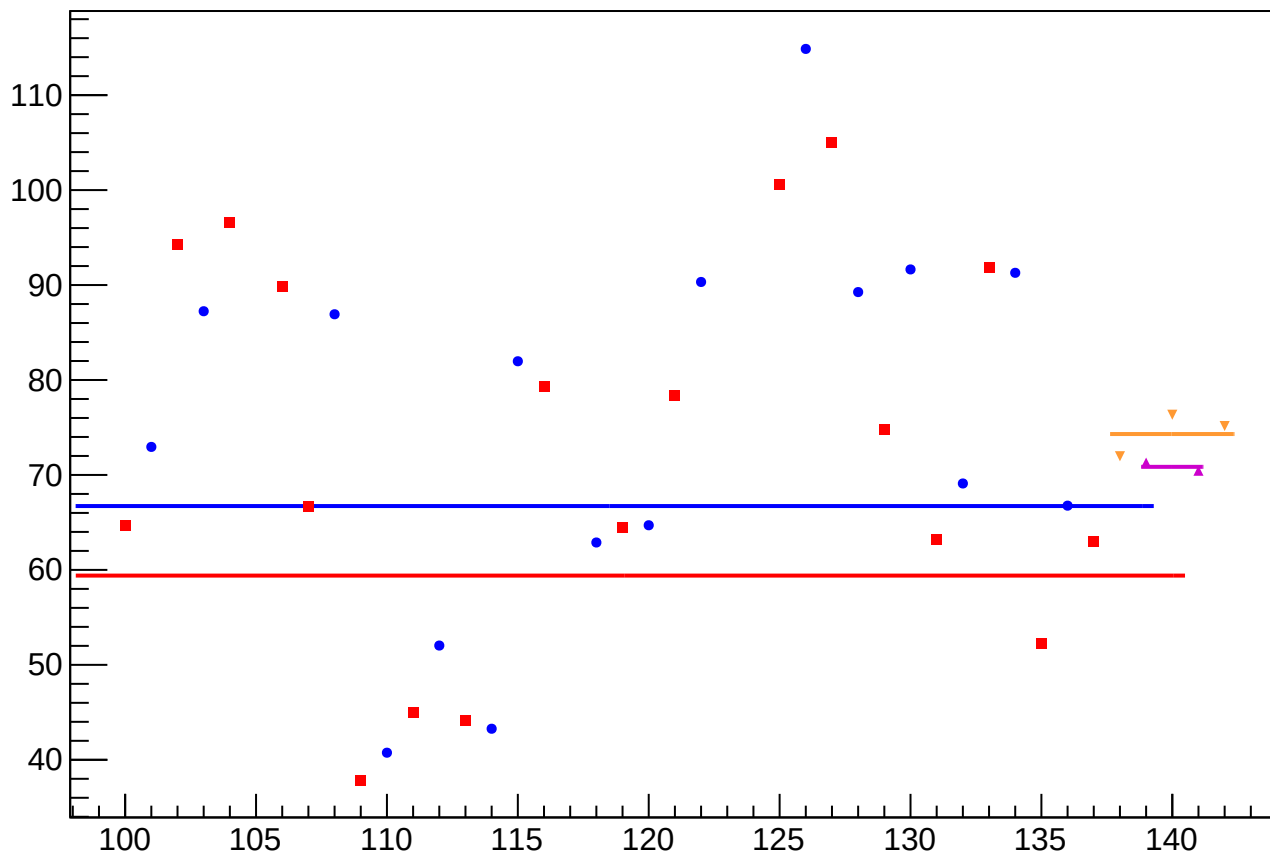
Left In: -91.233 ± 54.348 χ^2/NDF : 0.6/1

+ sign 0.931 ± 23.371 χ^2/NDF : 18.2/18

All: 10.115 ± 15.897 χ^2/NDF : 36.4/38

- sign 18.024 ± 21.687 χ^2/NDF : 18.0/19

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724 $\pm$ 0.018 χ^2 /NDF: 947040.2/15

Left Out: 74.309 $\pm$ 0.037 χ^2 /NDF: 2893.9/2

Right Out: 59.400 $\pm$ 0.017 χ^2 /NDF: 1445371.1/17

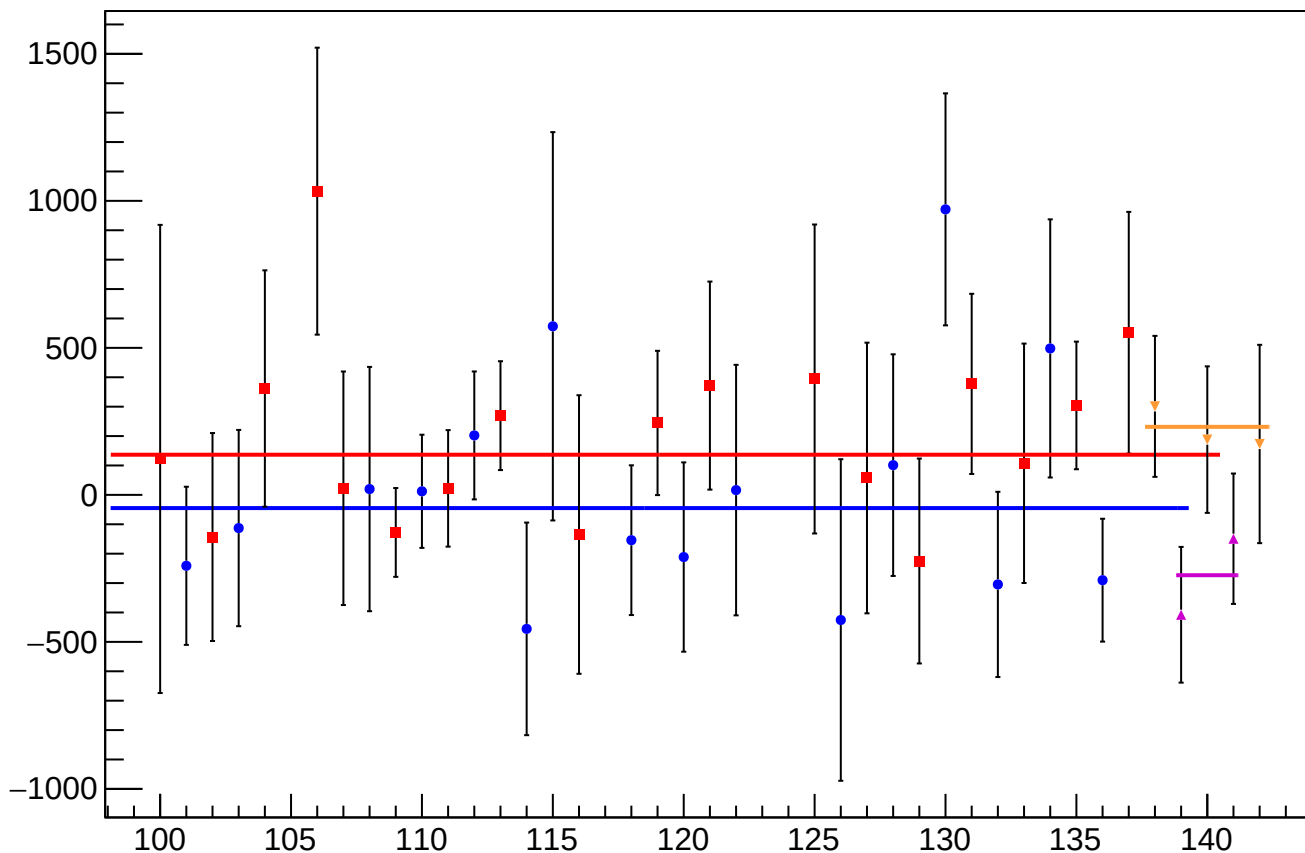
Left In: 70.854 $\pm$ 0.038 χ^2 /NDF: 123.0/1

+ sign 68.238 $\pm$ 0.017 χ^2 /NDF: 983585.4/18

All: 64.469 $\pm$ 0.011 χ^2 /NDF: 2600543.0/38

- sign 61.224 $\pm$ 0.015 χ^2 /NDF: 1520170.6/19

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917 ± 76.198 χ^2/NDF : 15.5/15

Left Out: 231.376 ± 153.761 χ^2/NDF : 0.1/2

Right Out: 136.579 ± 68.322 χ^2/NDF : 12.9/17

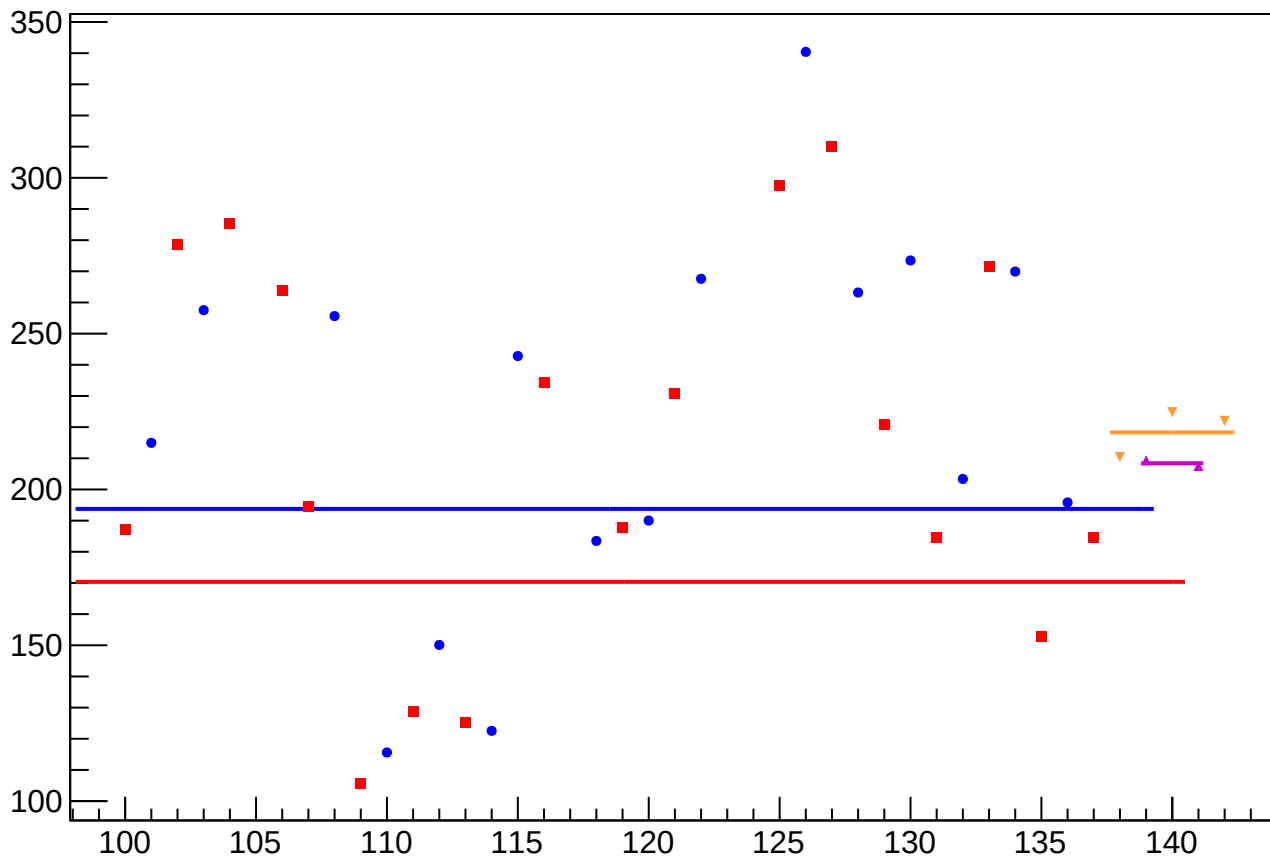
Left In: -273.267 ± 159.901 χ^2/NDF : 0.7/1

+ sign 9.558 ± 68.274 χ^2/NDF : 18.2/18

All: 44.076 ± 46.232 χ^2/NDF : 37.7/38

- sign 73.306 ± 62.828 χ^2/NDF : 19.1/19

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: 218.316 $\pm$ 0.109 χ^2 /NDF:3752.7/2

Right Out: 170.358 $\pm$ 0.048 χ^2 /NDF: 1599025.1/17

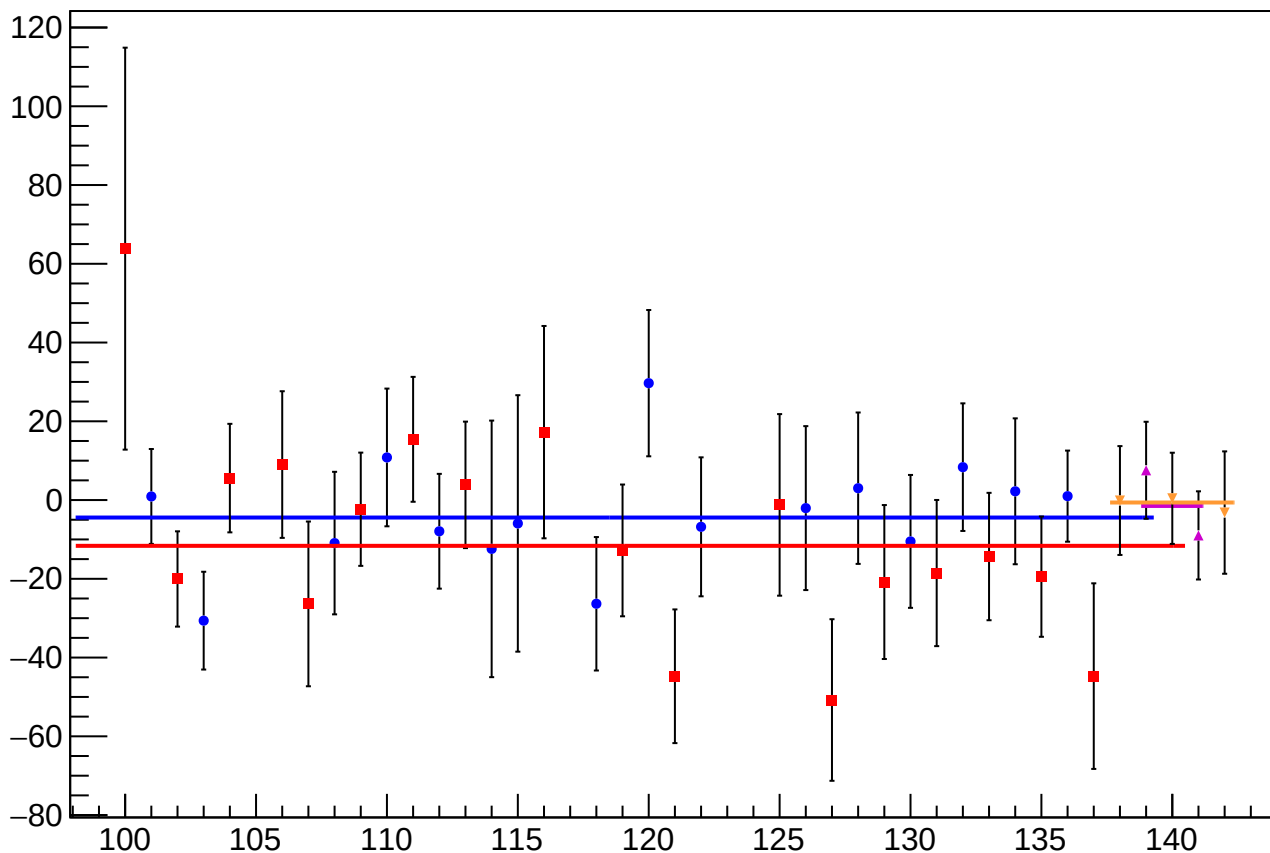
Left In: 208.414 $\pm$ 0.113 χ^2 /NDF:64.8/1

+ sign 198.608 $\pm$ 0.048 χ^2 /NDF: 1092773.0/18

All: 186.492 $\pm$ 0.033 χ^2 /NDF: 2903969.9/38

- sign 176.233 $\pm$ 0.044 χ^2 /NDF: 1694889.4/19

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440 ± 4.131 χ^2/NDF : 12.0/15

Left Out: -0.623 ± 7.707 χ^2/NDF : 0.0/2

Right Out: -11.627 ± 4.137 χ^2/NDF : 21.6/17

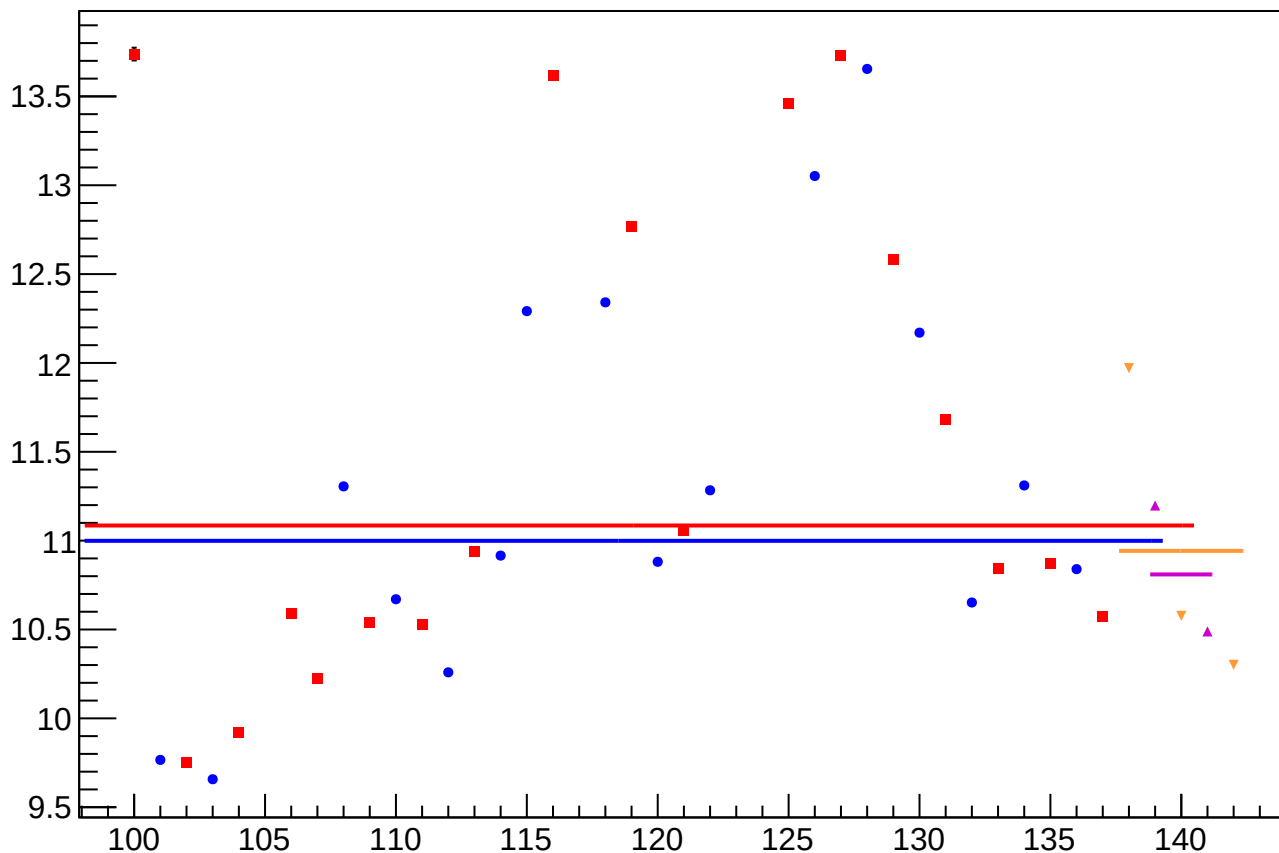
Left In: -1.496 ± 8.286 χ^2/NDF : 1.0/1

+ sign -3.588 ± 3.641 χ^2/NDF : 12.2/18

All: -6.548 ± 2.595 χ^2/NDF : 37.4/38

- sign -9.606 ± 3.701 χ^2/NDF : 23.8/19

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: 10.942 $\pm$ 0.005 χ^2 /NDF:16471.4/2

Right Out: 11.085 $\pm$ 0.003 χ^2 /NDF: 162204.2/17

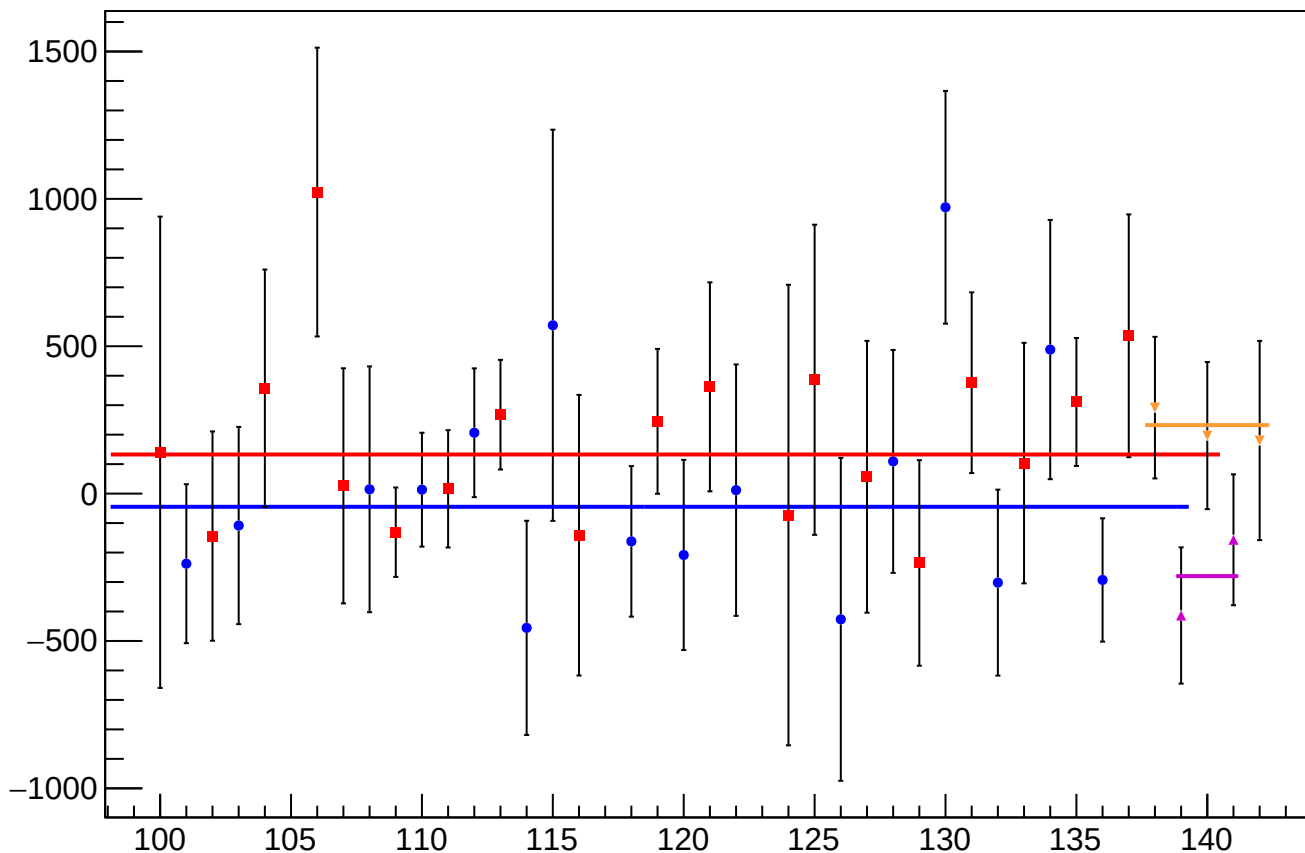
Left In: 10.810 $\pm$ 0.006 χ^2 /NDF:3622.0/1

+ sign 10.986 $\pm$ 0.003 χ^2 /NDF: 152714.2/18

All: 11.008 $\pm$ 0.002 χ^2 /NDF: 320452.5/38

- sign 11.030 $\pm$ 0.003 χ^2 /NDF: 167595.0/19

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797 ± 76.424 χ^2/NDF : 15.4/15

Left Out: 232.423 ± 154.027 χ^2/NDF : 0.1/2

Right Out: 132.730 ± 68.270 χ^2/NDF : 12.9/18

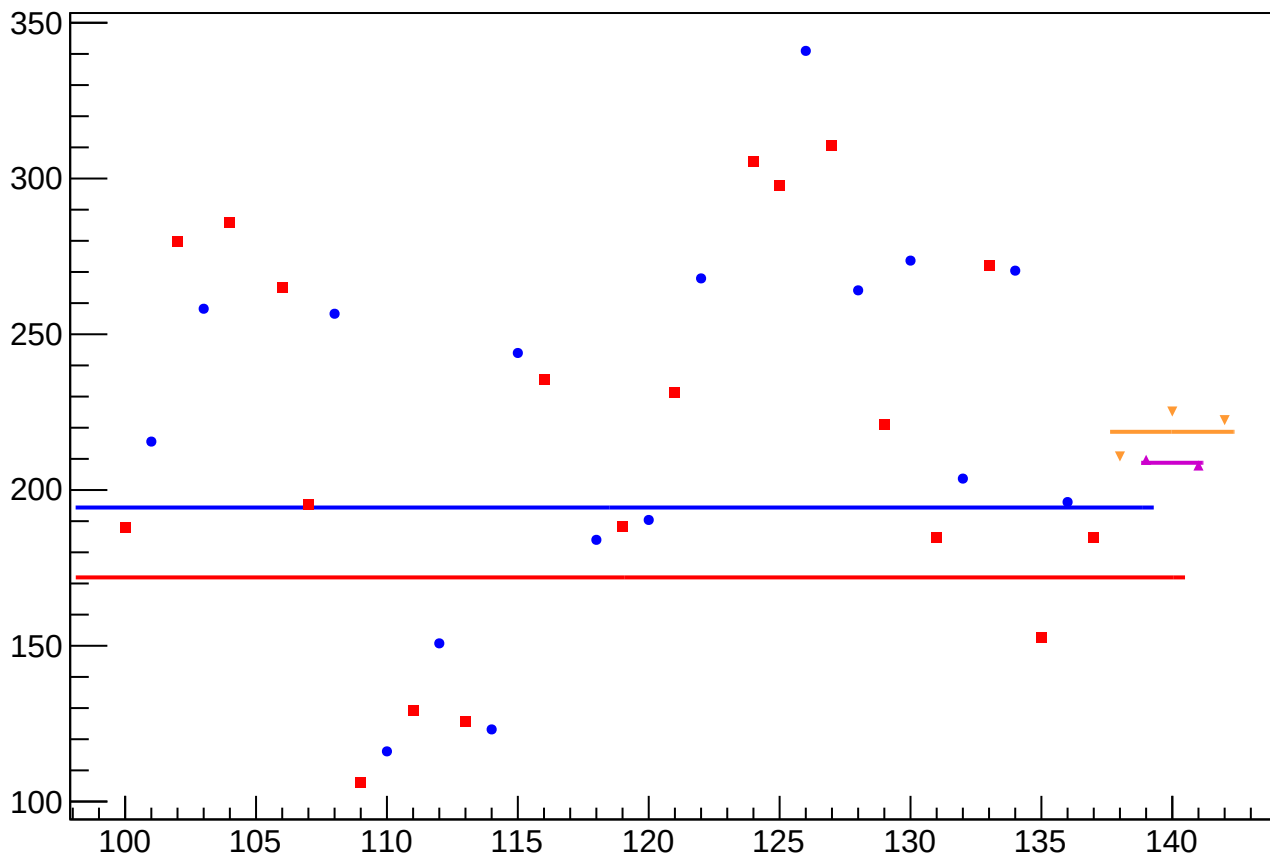
Left In: -279.905 ± 160.159 χ^2/NDF : 0.6/1

+ sign 9.968 ± 68.460 χ^2/NDF : 18.1/18

All: 42.177 ± 46.279 χ^2/NDF : 37.6/39

- sign 69.283 ± 62.802 χ^2/NDF : 19.1/20

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF : 1042024.1/15

Left Out: 218.691+/-0.109 χ^2/NDF : 3775.2/2

Right Out: 171.949+/-0.048 χ^2/NDF : 1651343.7/18

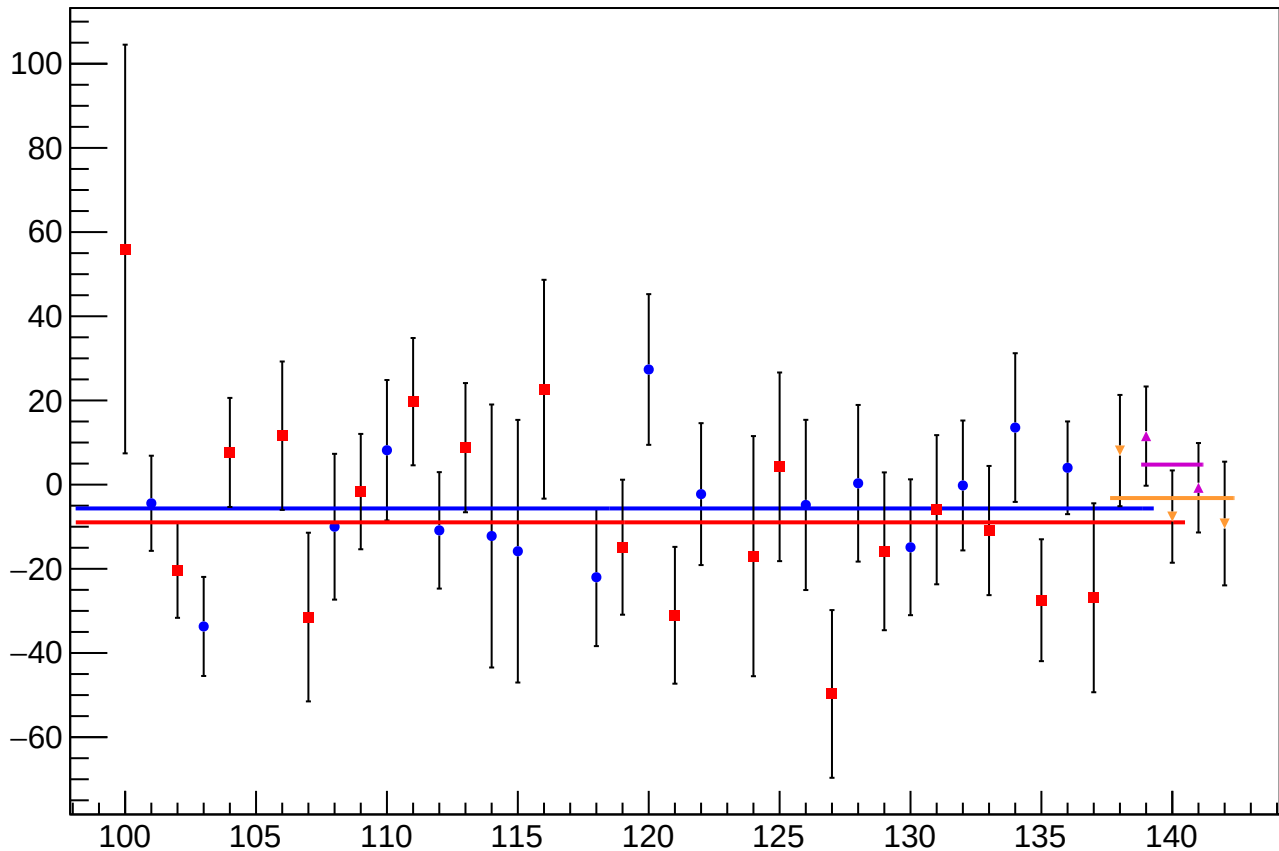
Left In: 208.750+/-0.113 χ^2/NDF : 65.1/1

+ sign 199.187+/-0.048 χ^2/NDF : 1085764.8/18

All: 187.469+/-0.033 χ^2/NDF : 2934441.1/39

- sign 177.607+/-0.044 χ^2/NDF : 1740767.9/20

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657 $\pm$ 3.939 χ^2/NDF : 13.7/15

Left Out: -3.191 $\pm$ 7.318 χ^2/NDF : 1.1/2

Right Out: -8.960 $\pm$ 3.901 χ^2/NDF : 22.8/18

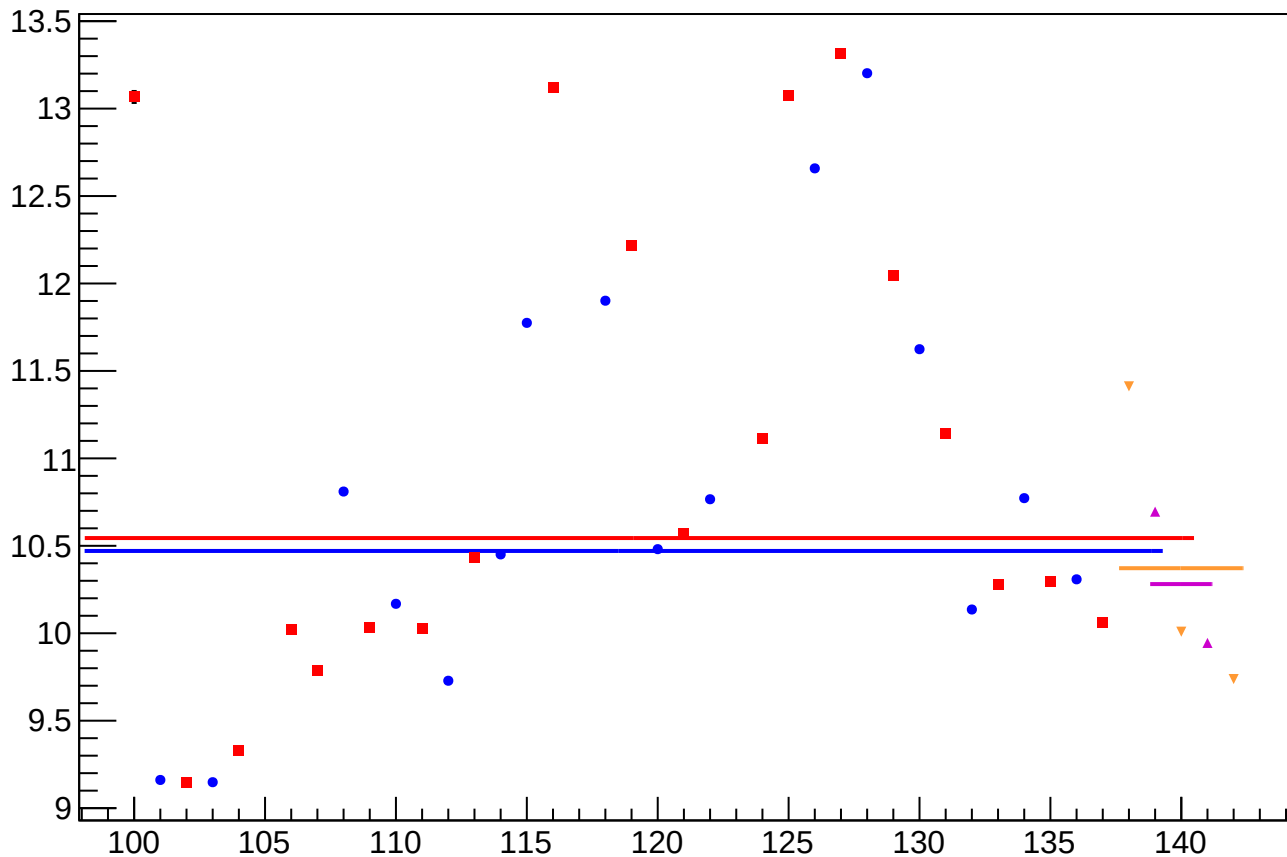
Left In: 4.757 $\pm$ 7.892 χ^2/NDF : 0.6/1

+ sign -5.103 $\pm$ 3.469 χ^2/NDF : 14.8/18

All: -5.680 $\pm$ 2.463 χ^2/NDF : 40.7/39

- sign -6.267 $\pm$ 3.497 χ^2/NDF : 25.8/20

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF : 157365.8/15

Left Out: 10.372+/-0.005 χ^2/NDF : 18294.4/2

Right Out: 10.544+/-0.003 χ^2/NDF : 186780.3/18

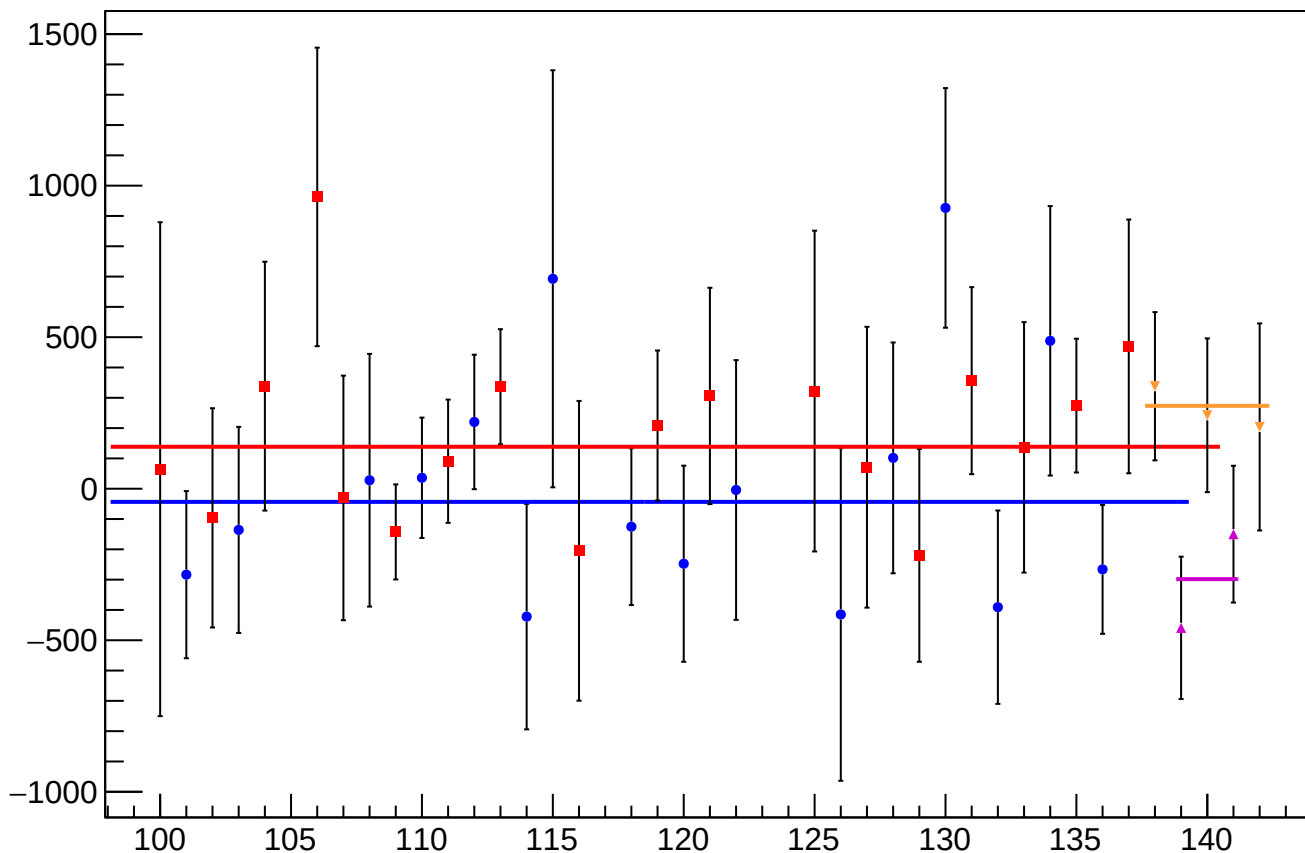
Left In: 10.281+/-0.006 χ^2/NDF : 4473.6/1

+ sign 10.448+/-0.002 χ^2/NDF : 175941.7/18

All: 10.470+/-0.002 χ^2/NDF : 369143.9/39

- sign 10.493+/-0.002 χ^2/NDF : 193040.7/20

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384 ± 77.584 χ^2/NDF : 15.5/15

Left Out: 273.498 ± 156.517 χ^2/NDF : 0.1/2

Right Out: 138.455 ± 69.833 χ^2/NDF : 11.5/17

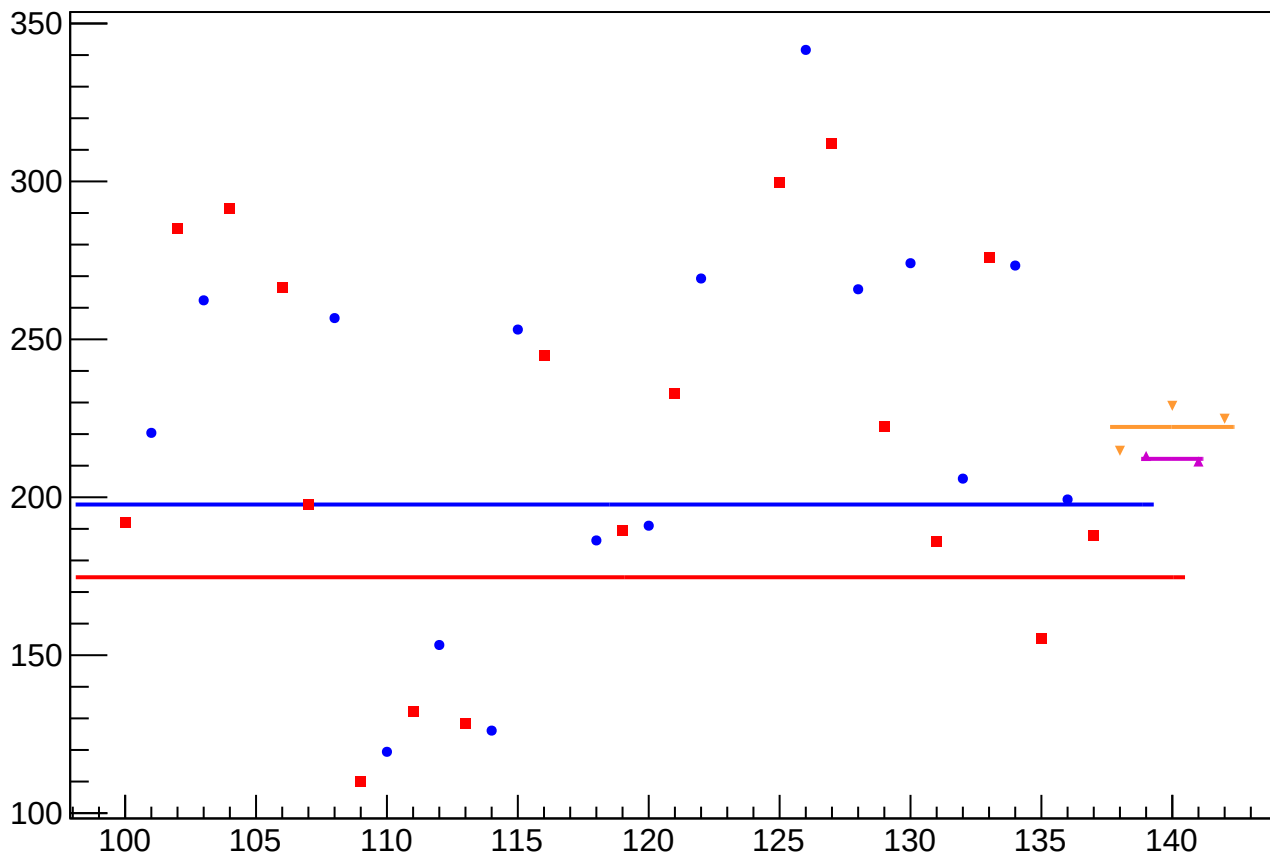
Left In: -298.354 ± 162.753 χ^2/NDF : 0.9/1

+ sign 19.119 ± 69.513 χ^2/NDF : 18.9/18

All: 46.879 ± 47.153 χ^2/NDF : 37.6/38

- sign 70.540 ± 64.175 χ^2/NDF : 18.4/19

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707 $\pm$ 0.055 χ^2 /NDF: 1000324.6/15

Left Out: 222.267 $\pm$ 0.111 χ^2 /NDF:3404.3/2

Right Out: 174.679 $\pm$ 0.049 χ^2 /NDF: 1534751.1/17

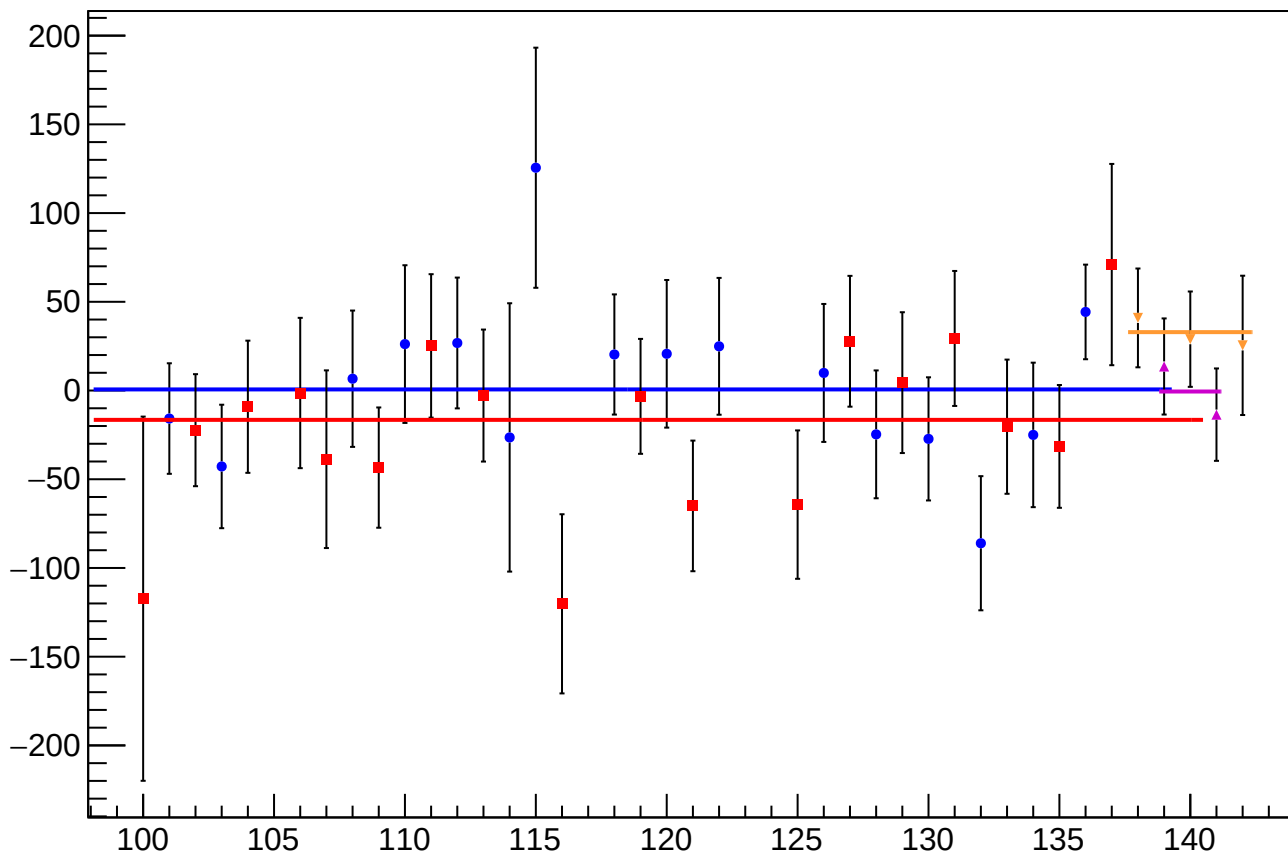
Left In: 212.169 $\pm$ 0.115 χ^2 /NDF:57.7/1

+ sign 202.551 $\pm$ 0.049 χ^2 /NDF: 1043258.3/18

All: 190.651 $\pm$ 0.033 χ^2 /NDF: 2776267.8/38

- sign 180.508 $\pm$ 0.045 χ^2 /NDF: 1624429.0/19

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619 ± 9.421 χ^2/NDF : 16.7/15

Left Out: 32.910 ± 17.344 χ^2/NDF : 0.1/2

Right Out: -16.534 ± 9.307 χ^2/NDF : 16.4/17

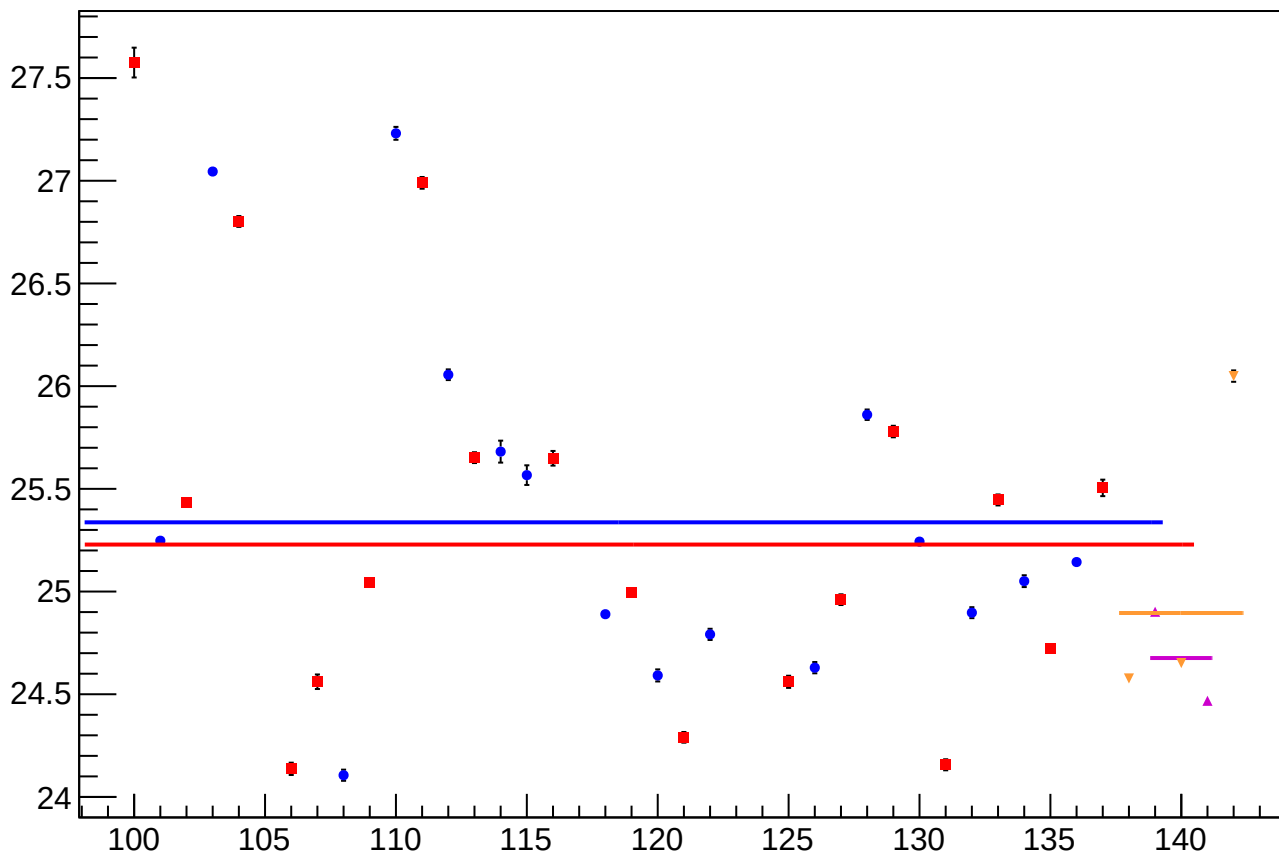
Left In: -0.557 ± 18.770 χ^2/NDF : 0.5/1

+ sign 7.976 ± 8.279 χ^2/NDF : 19.6/18

All: -2.626 ± 5.875 χ^2/NDF : 40.3/38

- sign -13.381 ± 8.338 χ^2/NDF : 17.5/19

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: 24.896 $\pm$ 0.012 χ^2 /NDF:2153.1/2

Right Out: 25.229 $\pm$ 0.007 χ^2 /NDF: 15176.1/17

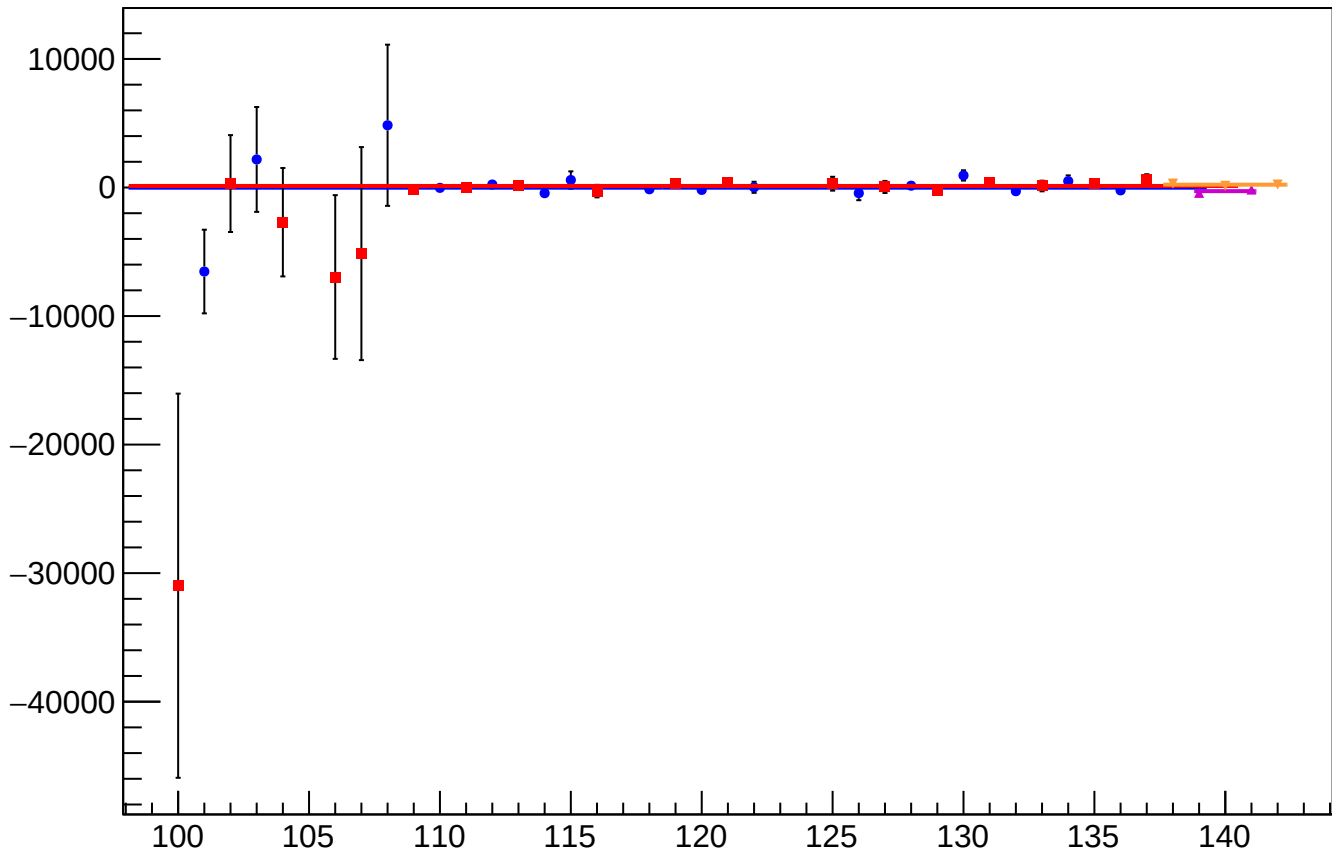
Left In: 24.676 $\pm$ 0.013 χ^2 /NDF:266.3/1

+ sign 25.236 $\pm$ 0.006 χ^2 /NDF: 17468.6/18

All: 25.179 $\pm$ 0.004 χ^2 /NDF: 34498.8/38

- sign 25.120 $\pm$ 0.006 χ^2 /NDF: 16833.1/19

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160 ± 84.454 χ^2/NDF : 18.3/15

Left Out: 219.281 ± 154.523 χ^2/NDF : 0.3/2

Right Out: 119.984 ± 78.247 χ^2/NDF : 14.4/17

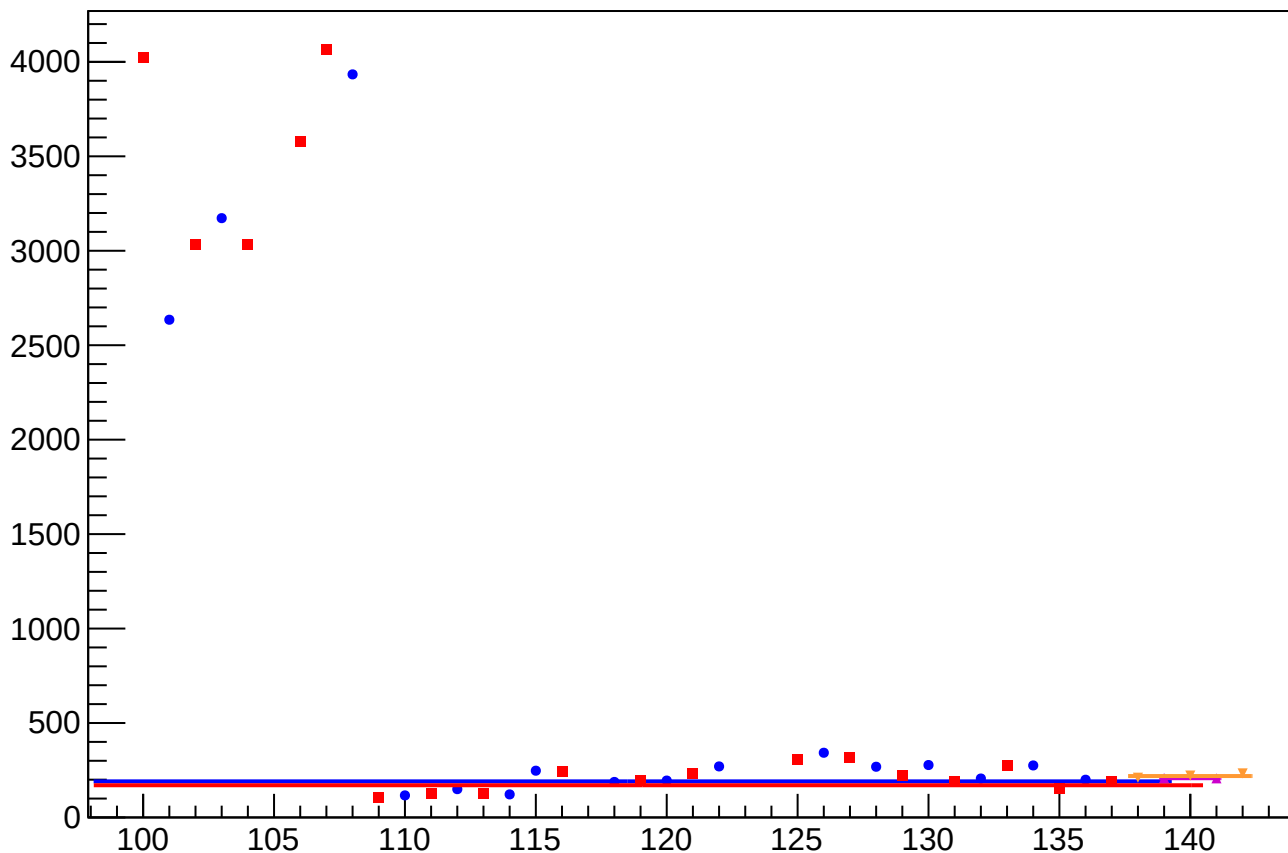
Left In: -282.328 ± 159.537 χ^2/NDF : 0.7/1

+ sign 40.303 ± 74.108 χ^2/NDF : 20.3/18

All: 41.182 ± 50.984 χ^2/NDF : 40.5/38

- sign 41.972 ± 70.252 χ^2/NDF : 20.2/19

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF : 3833952.4/15

Left Out: 219.203+/-0.109 χ^2/NDF :6074.1/2

Right Out: 170.494+/-0.055 χ^2/NDF : 4254820.8/17

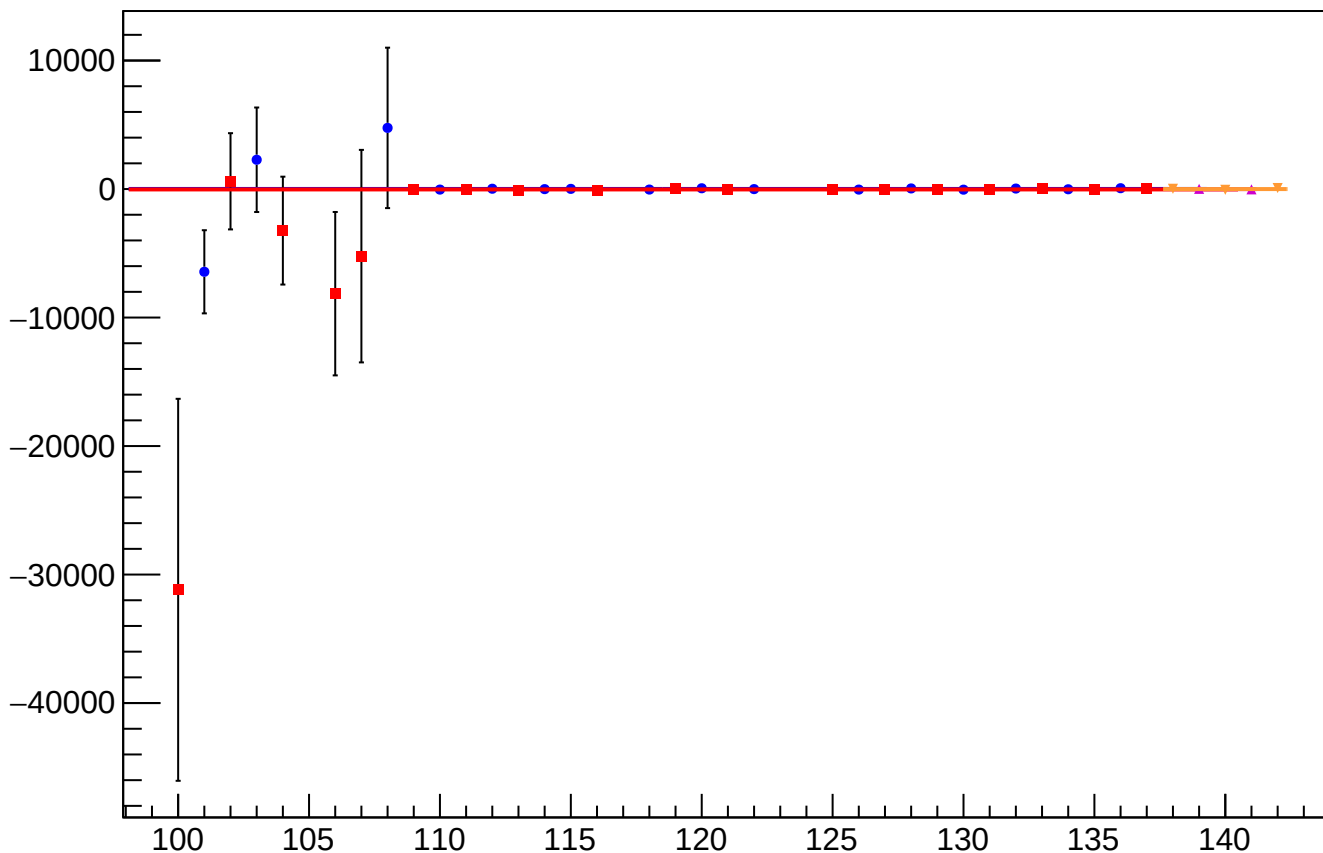
Left In: 207.790+/-0.113 χ^2/NDF :34.7/1

+ sign 197.541+/-0.052 χ^2/NDF : 3891074.8/18

All: 187.104+/-0.036 χ^2/NDF : 8309349.7/38

- sign 177.726+/-0.050 χ^2/NDF : 4342966.9/19

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490 $\pm$ 11.764 χ^2 /NDF: 18.3/15

Left Out: -2.113 $\pm$ 20.013 χ^2 /NDF: 7.0/2

Right Out: -30.740 $\pm$ 12.084 χ^2 /NDF: 19.9/17

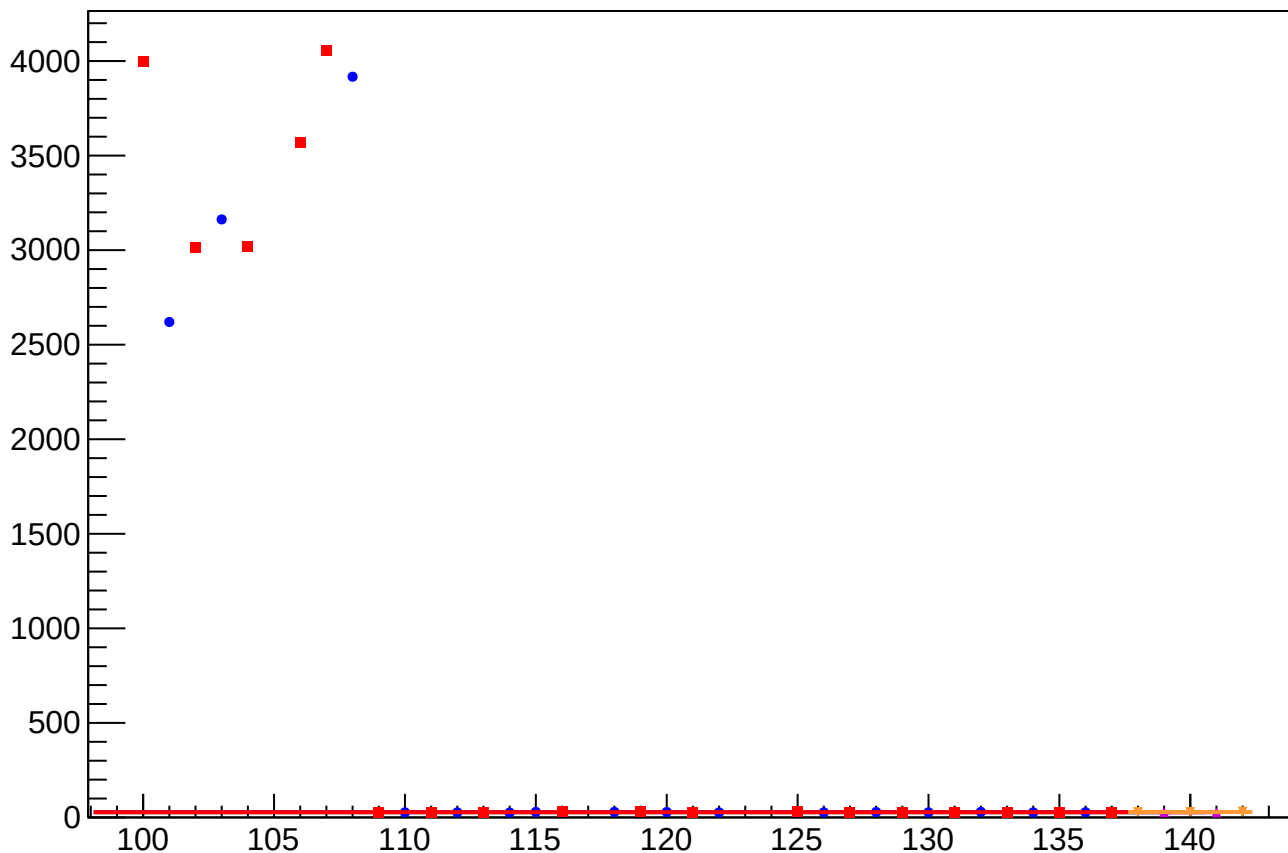
Left In: -5.222 $\pm$ 21.079 χ^2 /NDF: 0.9/1

+ sign 4.281 $\pm$ 10.142 χ^2 /NDF: 25.4/18

All: -9.598 $\pm$ 7.289 χ^2 /NDF: 51.1/38

- sign -24.428 $\pm$ 10.484 χ^2 /NDF: 21.8/19

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF : 3265895.3/15

Left Out: 28.616+/-0.014 χ^2/NDF : 3175.1/2

Right Out: 27.778+/-0.009 χ^2/NDF : 3558398.6/17

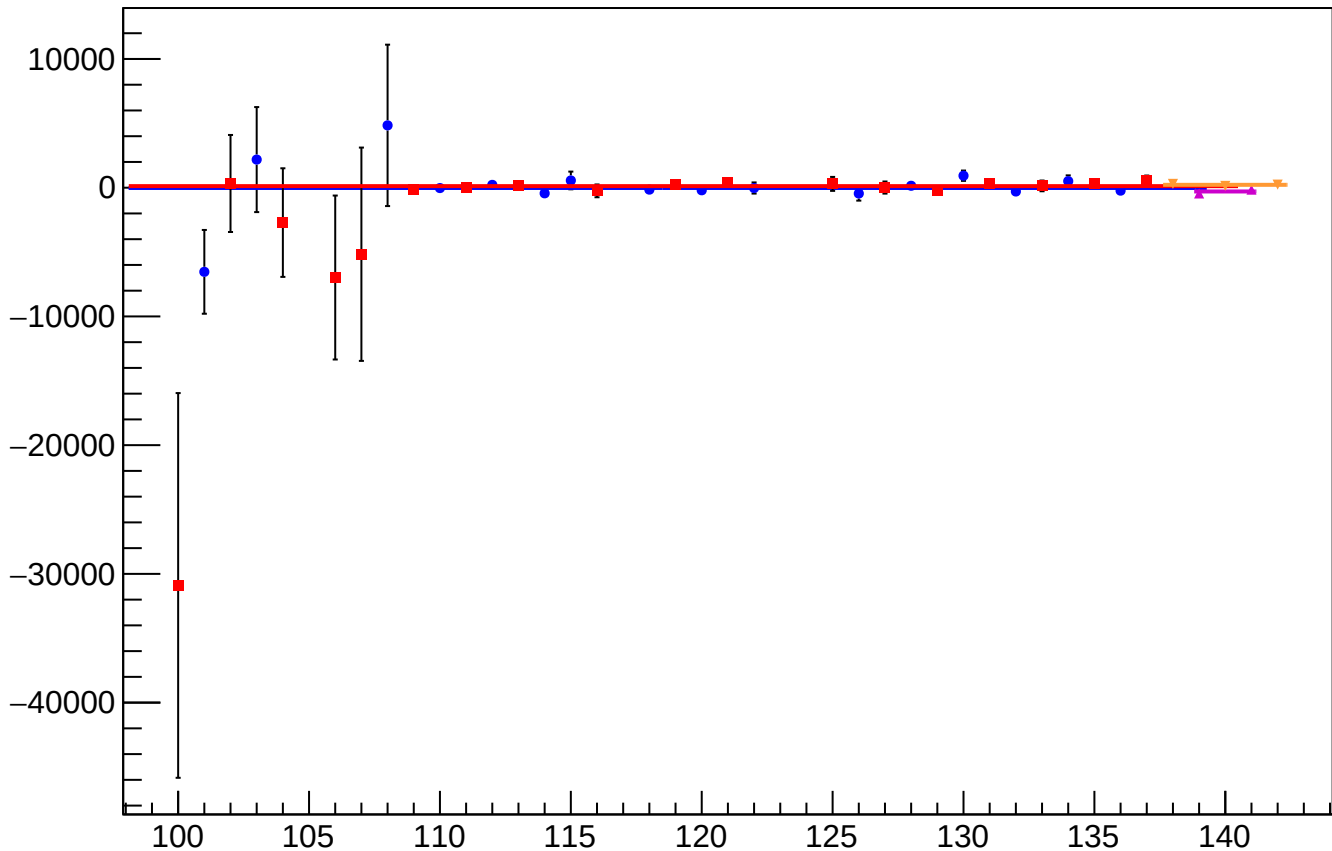
Left In: 27.662+/-0.015 χ^2/NDF : 913.0/1

+ sign 28.028+/-0.007 χ^2/NDF : 3271393.3/18

All: 27.893+/-0.005 χ^2/NDF : 6831480.6/38

- sign 27.749+/-0.007 χ^2/NDF : 3559357.6/19

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522 ± 85.063 χ^2/NDF : 18.2/15

Left Out: 223.408 ± 155.322 χ^2/NDF : 0.2/2

Right Out: 121.544 ± 78.844 χ^2/NDF : 13.2/17

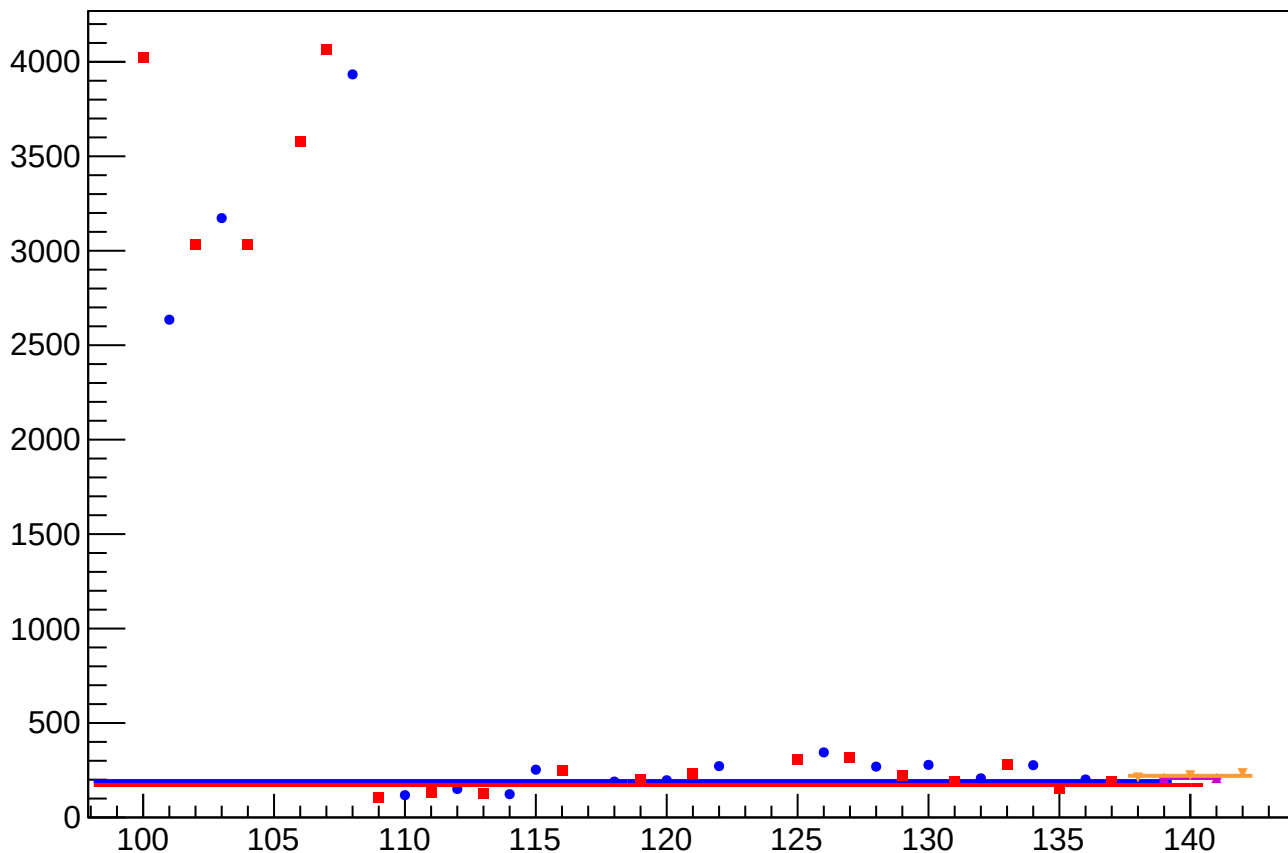
Left In: -293.298 ± 160.466 χ^2/NDF : 0.8/1

+ sign 36.528 ± 74.607 χ^2/NDF : 20.3/18

All: 38.813 ± 51.342 χ^2/NDF : 39.7/38

- sign 40.869 ± 70.763 χ^2/NDF : 19.5/19

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF : 3822789.1/15

Left Out: 220.339+/-0.110 χ^2/NDF : 6082.2/2

Right Out: 171.899+/-0.056 χ^2/NDF : 4247800.5/17

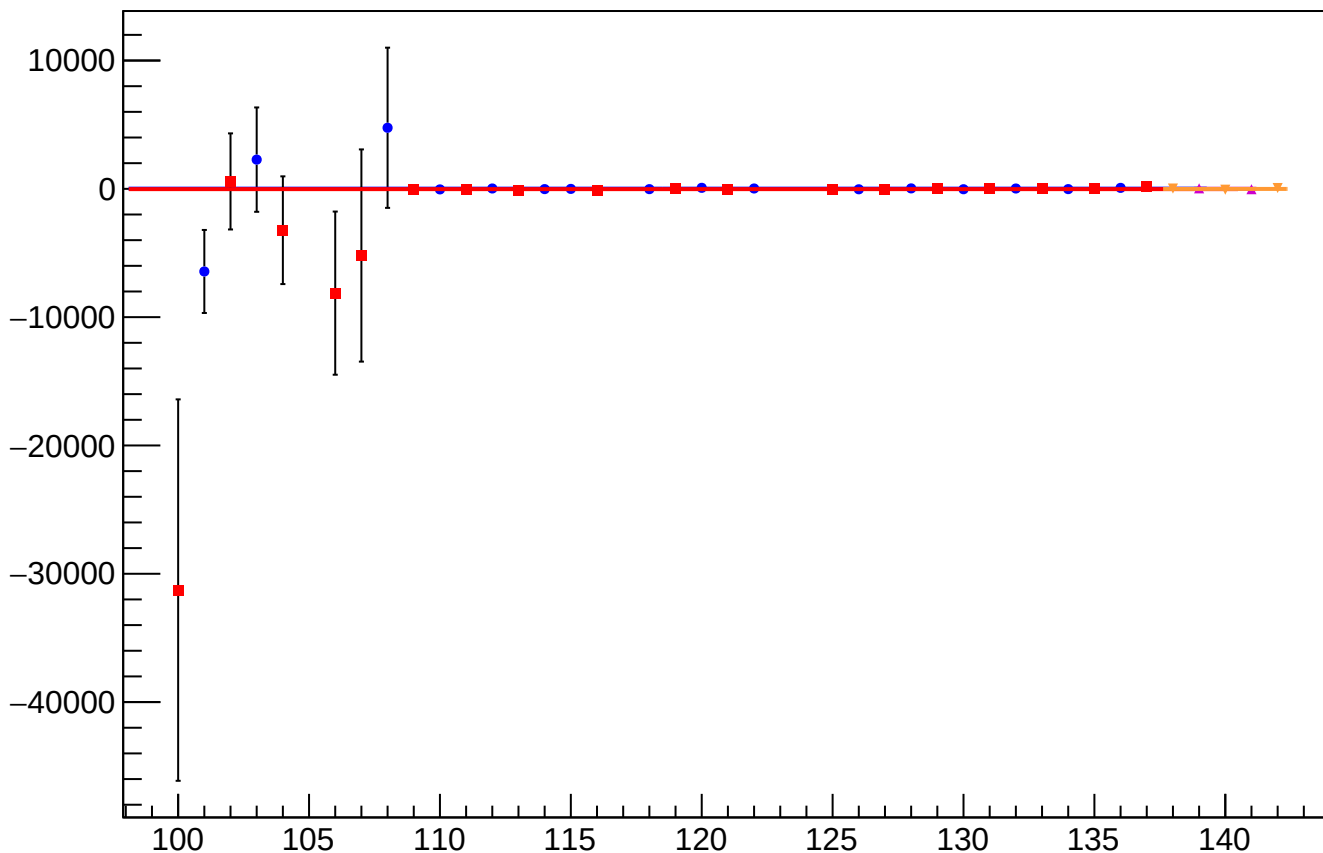
Left In: 209.007+/-0.113 χ^2/NDF : 27.7/1

+ sign 198.969+/-0.053 χ^2/NDF : 3878085.5/18

All: 188.518+/-0.036 χ^2/NDF : 8286632.1/38

- sign 179.115+/-0.050 χ^2/NDF : 4333985.7/19

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713 $\pm$ 13.062 χ^2 /NDF: 15.5/15

Left Out: -6.849 $\pm$ 21.840 χ^2 /NDF: 5.9/2

Right Out: -21.906 $\pm$ 13.382 χ^2 /NDF: 28.4/17

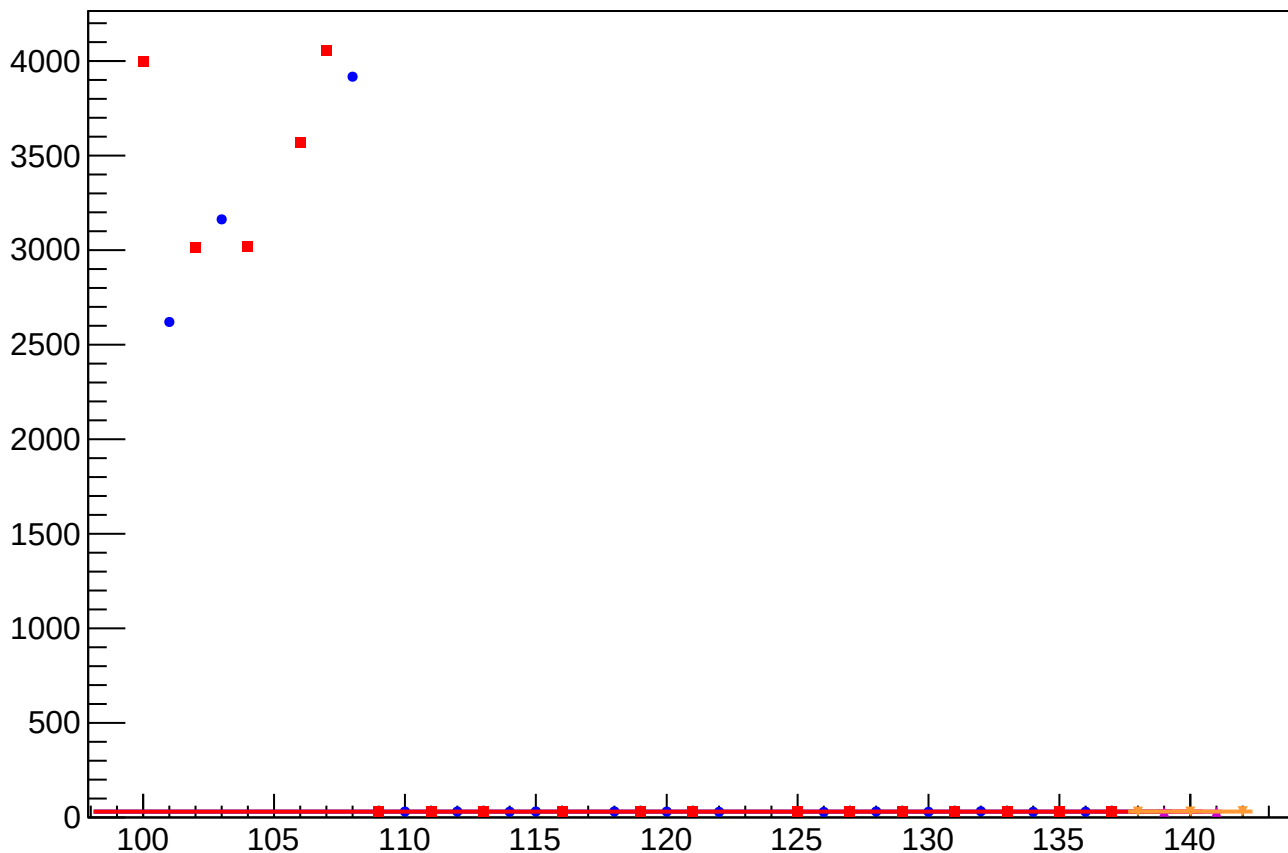
Left In: 4.885 $\pm$ 23.139 χ^2 /NDF: 2.1/1

+ sign 8.296 $\pm$ 11.210 χ^2 /NDF: 22.0/18

All: -3.062 $\pm$ 8.056 χ^2 /NDF: 55.6/38

- sign -15.191 $\pm$ 11.584 χ^2 /NDF: 31.5/19

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF : 3252607.8/15

Left Out: 31.252+/-0.015 χ^2/NDF : 2956.8/2

Right Out: 30.804+/-0.009 χ^2/NDF : 3535959.8/17

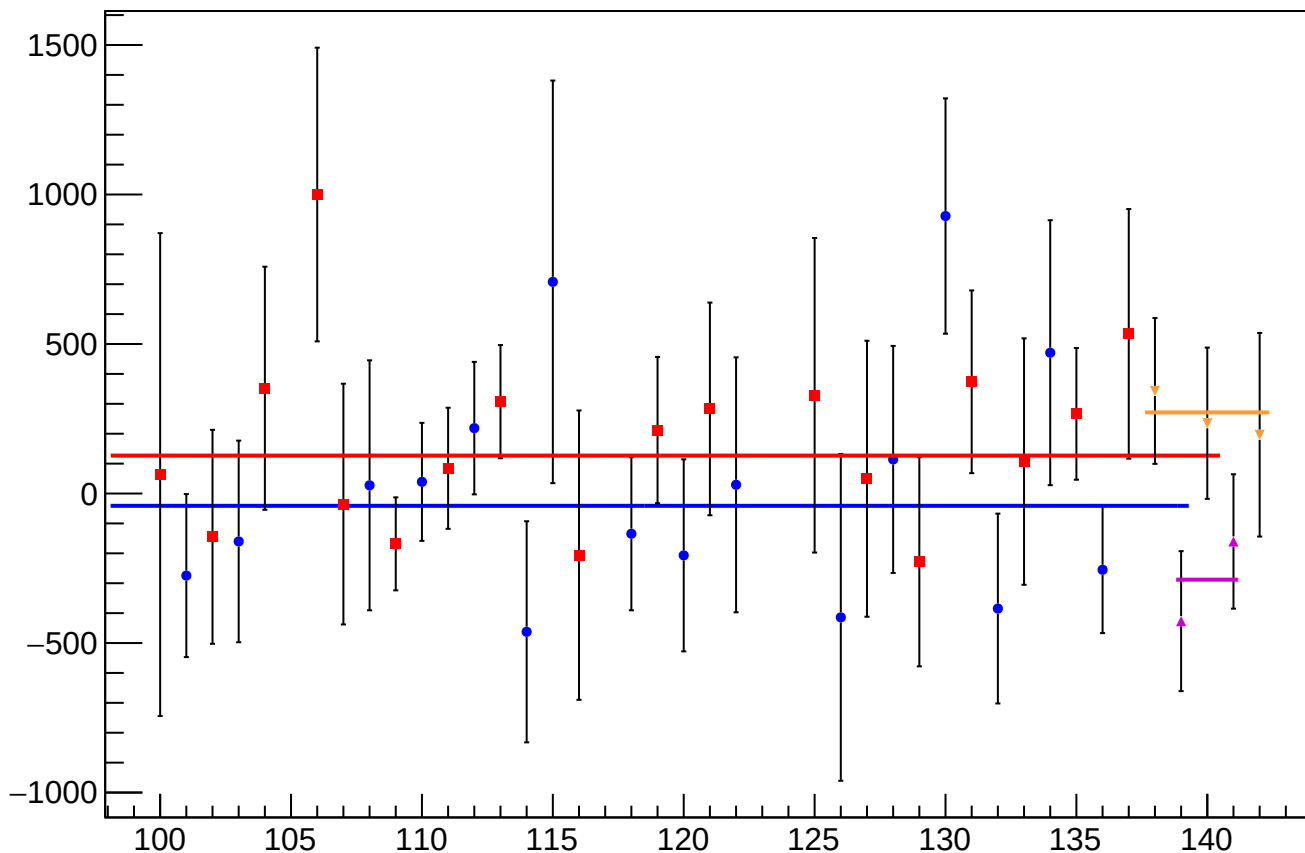
Left In: 30.386+/-0.016 χ^2/NDF : 488.1/1

+ sign 31.014+/-0.008 χ^2/NDF : 3255888.1/18

All: 30.862+/-0.006 χ^2/NDF : 6793585.1/38

- sign 30.699+/-0.008 χ^2/NDF : 3536936.8/19

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114 ± 77.139 χ^2/NDF : 15.6/15

Left Out: 271.239 ± 156.049 χ^2/NDF : 0.2/2

Right Out: 126.896 ± 69.382 χ^2/NDF : 12.8/17

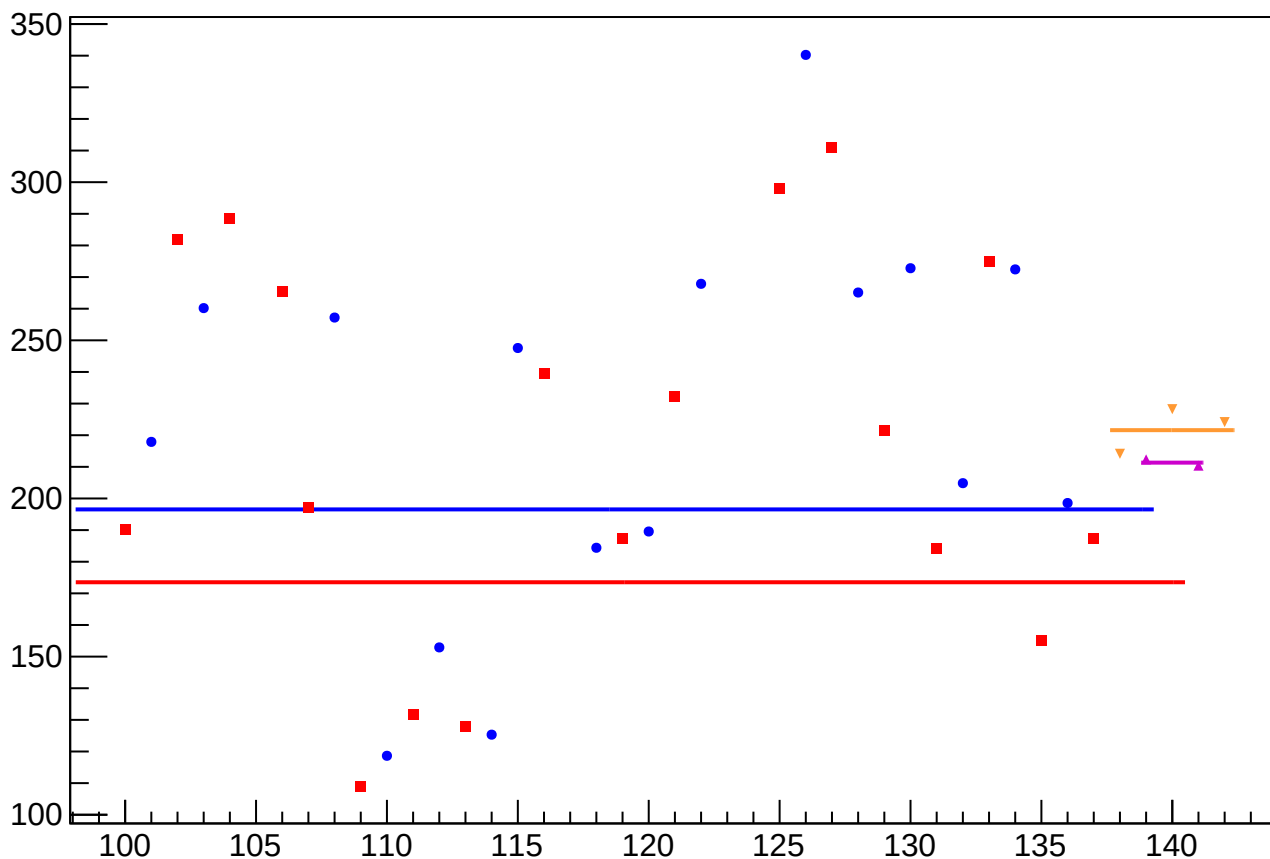
Left In: -288.142 ± 162.116 χ^2/NDF : 0.7/1

+ sign 20.223 ± 69.151 χ^2/NDF : 19.0/18

All: 43.142 ± 46.886 χ^2/NDF : 38.2/38

- sign 62.643 ± 63.786 χ^2/NDF : 19.0/19

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: 221.598 $\pm$ 0.110 χ^2 /NDF:3362.1/2

Right Out: 173.509 $\pm$ 0.049 χ^2 /NDF: 1532720.5/17

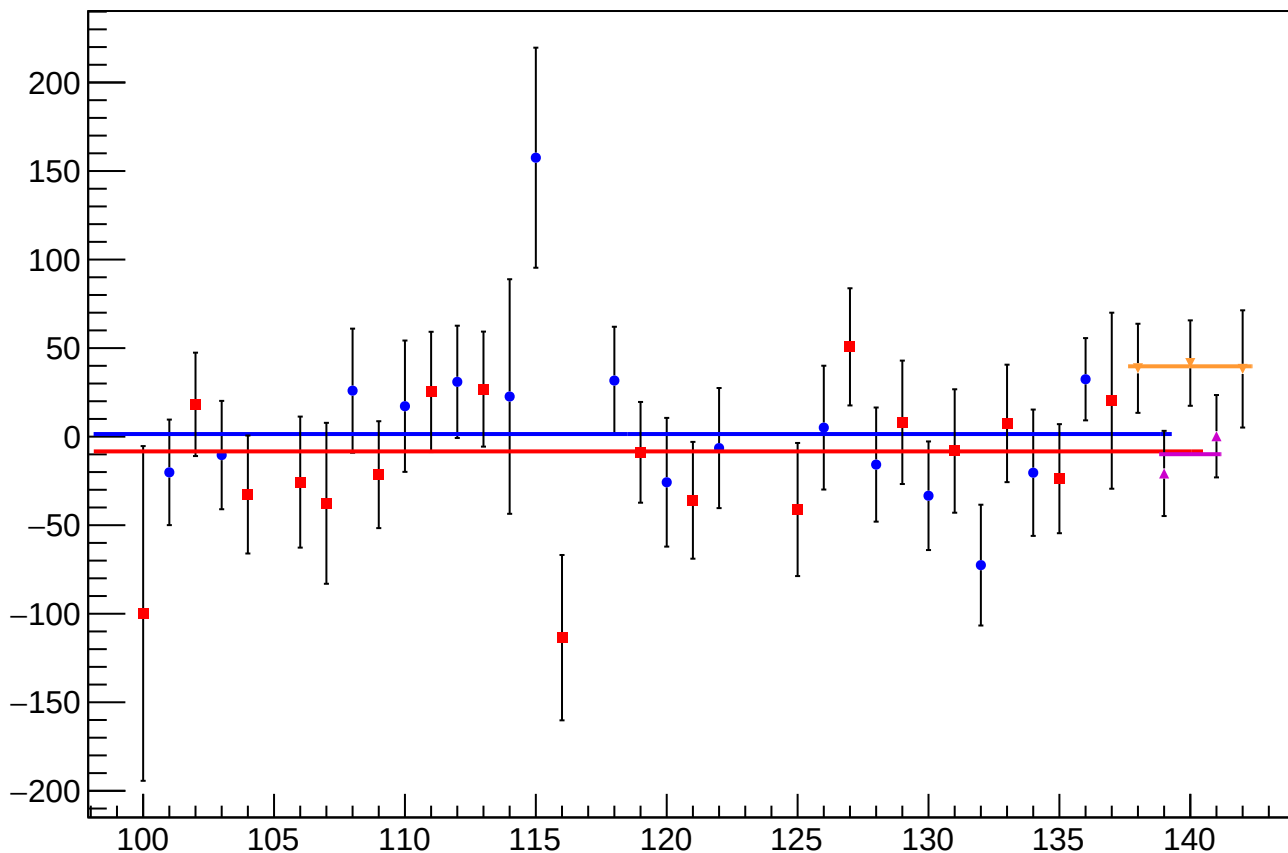
Left In: 211.330 $\pm$ 0.115 χ^2 /NDF:73.6/1

+ sign 201.462 $\pm$ 0.049 χ^2 /NDF: 1045569.3/18

All: 189.523 $\pm$ 0.033 χ^2 /NDF: 2780713.4/38

- sign 179.364 $\pm$ 0.045 χ^2 /NDF: 1624794.1/19

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475 ± 8.370 $\chi^2/\text{NDF}: 18.7/15$

Left Out: 39.724 ± 15.410 $\chi^2/\text{NDF}: 0.0/2$

Right Out: -8.329 ± 8.286 $\chi^2/\text{NDF}: 16.0/17$

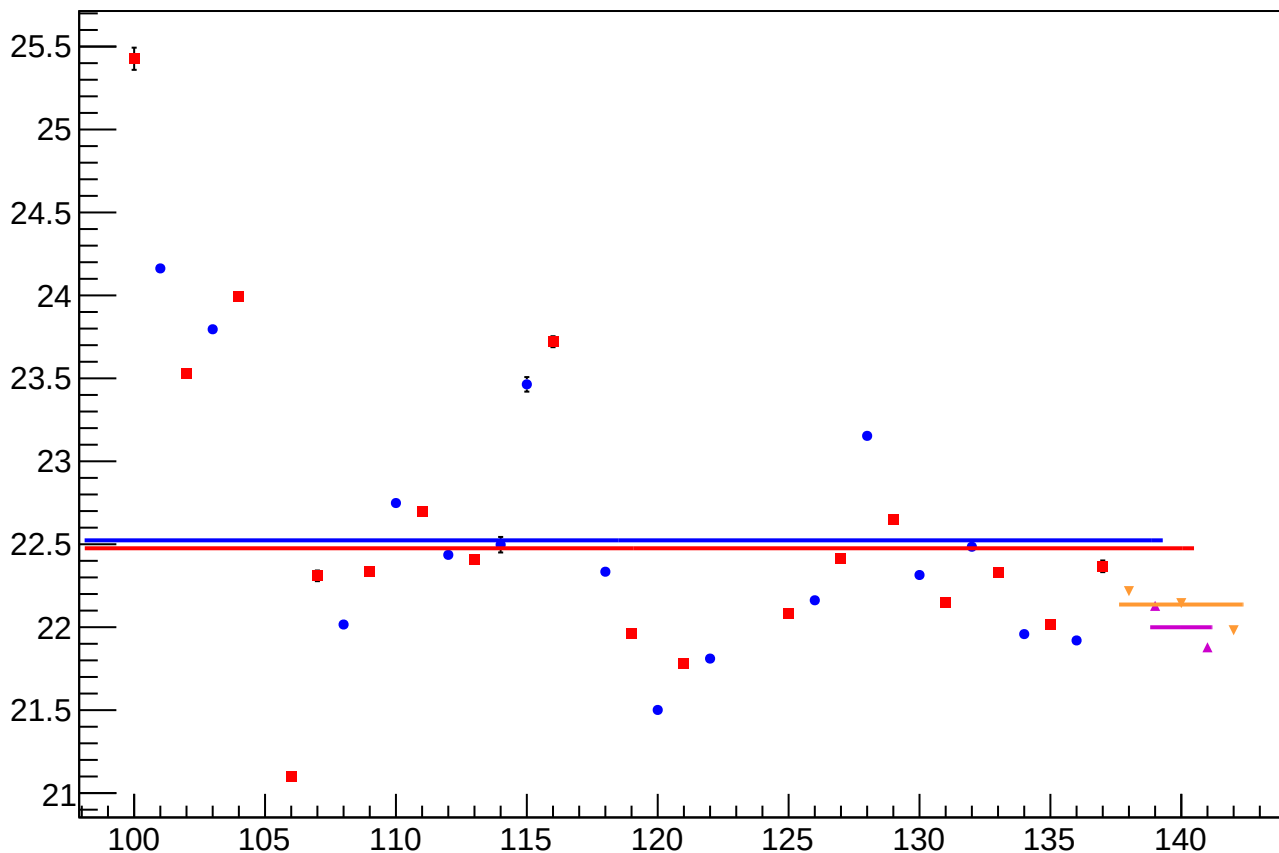
Left In: -9.911 ± 16.721 $\chi^2/\text{NDF}: 0.4/1$

+ sign 10.189 ± 7.355 $\chi^2/\text{NDF}: 23.4/18$

All: 0.862 ± 5.225 $\chi^2/\text{NDF}: 43.1/38$

- sign -8.641 ± 7.424 $\chi^2/\text{NDF}: 16.4/19$

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524 ± 0.006 $\chi^2/\text{NDF}: 15947.8/15$

Left Out: 22.137 ± 0.011 $\chi^2/\text{NDF}: 64.7/2$

Right Out: 22.476 ± 0.006 $\chi^2/\text{NDF}: 15536.6/17$

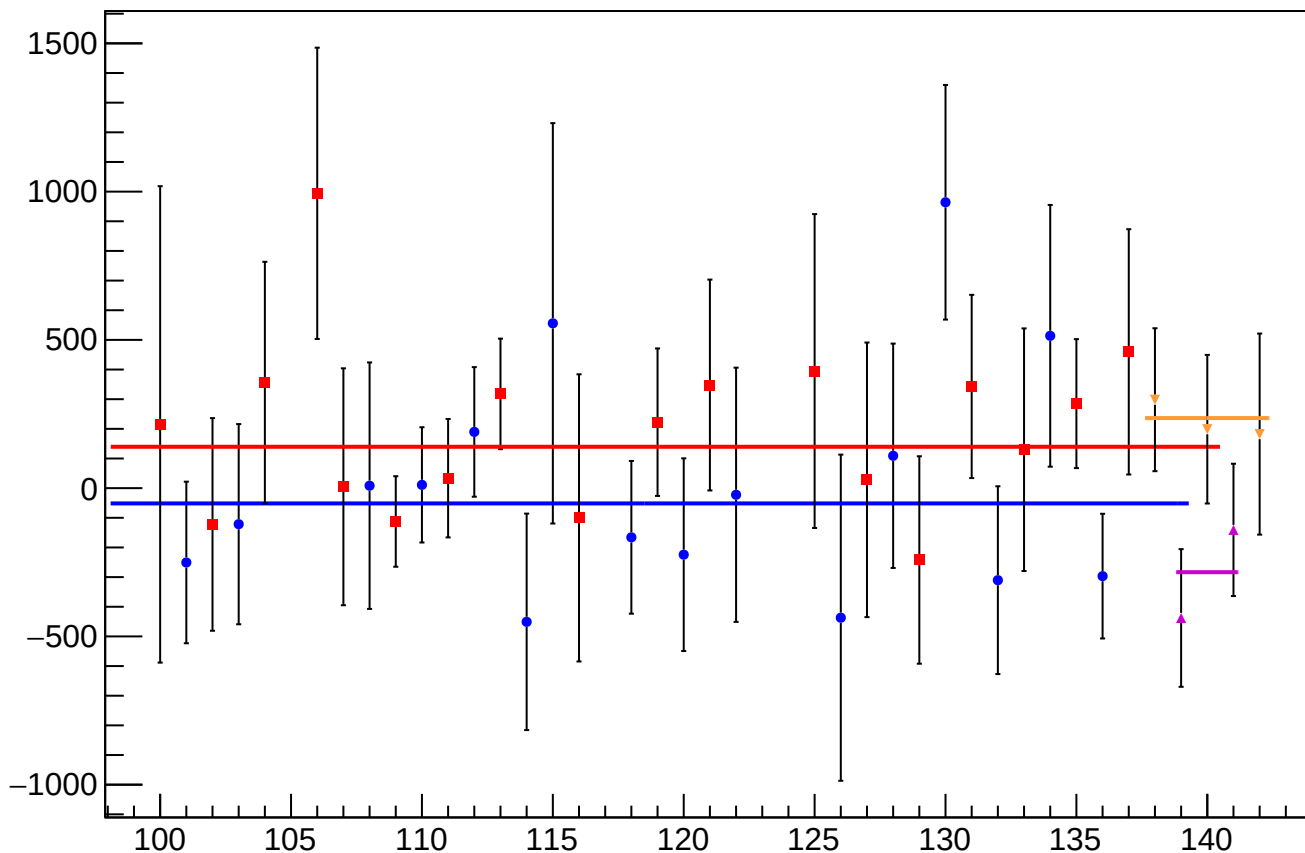
Left In: 22.000 ± 0.012 $\chi^2/\text{NDF}: 111.4/1$

+ sign 22.435 ± 0.005 $\chi^2/\text{NDF}: 16986.2/18$

All: 22.409 ± 0.004 $\chi^2/\text{NDF}: 33988.4/38$

- sign 22.382 ± 0.005 $\chi^2/\text{NDF}: 16949.5/19$

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492 ± 76.798 $\chi^2/\text{NDF}: 15.3/15$

Left Out: 236.294 ± 154.596 $\chi^2/\text{NDF}: 0.1/2$

Right Out: 139.546 ± 68.888 $\chi^2/\text{NDF}: 11.6/17$

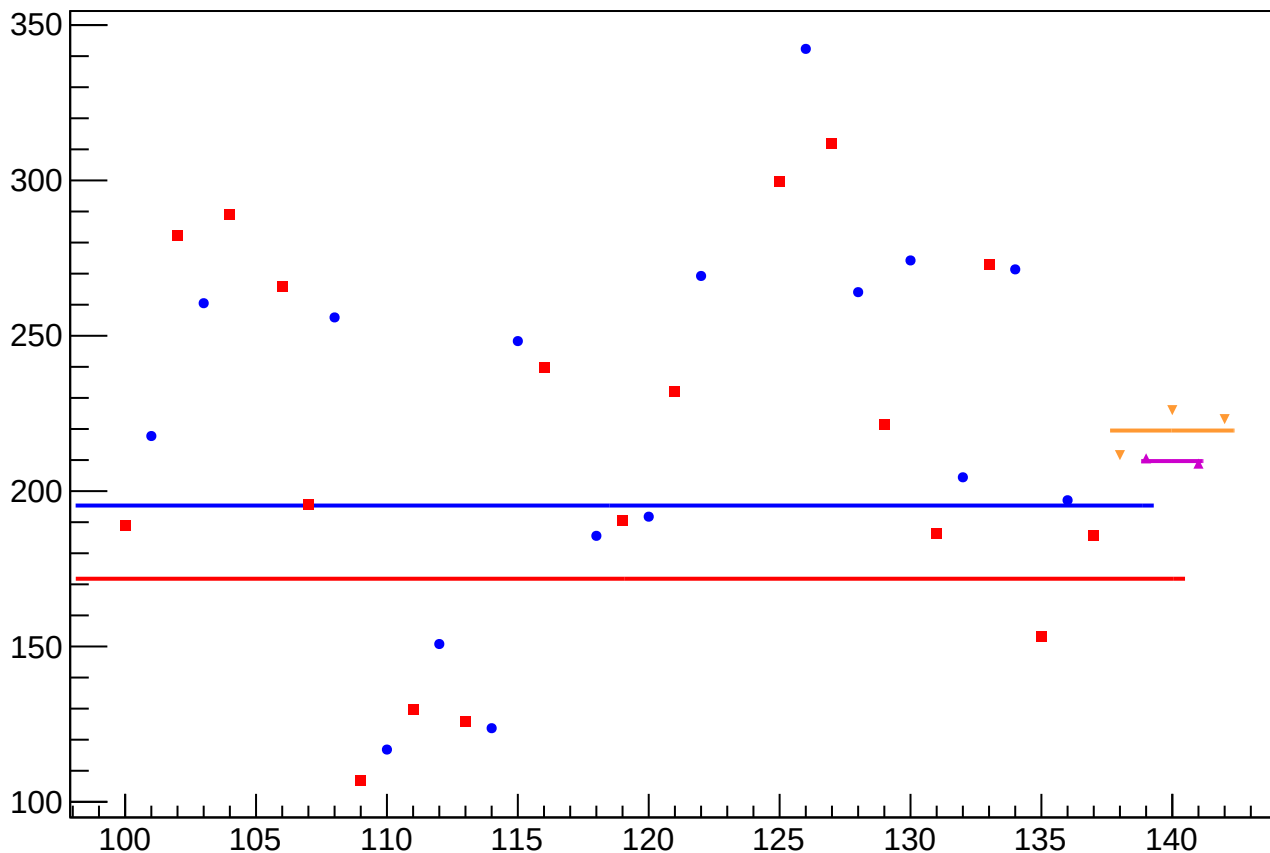
Left In: -283.409 ± 160.860 $\chi^2/\text{NDF}: 0.9/1$

+ sign 5.470 ± 68.779 $\chi^2/\text{NDF}: 18.2/18$

All: 42.558 ± 46.587 $\chi^2/\text{NDF}: 37.0/38$

- sign 73.998 ± 63.326 $\chi^2/\text{NDF}: 18.2/19$

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: 219.502 $\pm$ 0.109 χ^2 /NDF:3762.5/2

Right Out: 171.805 $\pm$ 0.049 χ^2 /NDF: 1600663.6/17

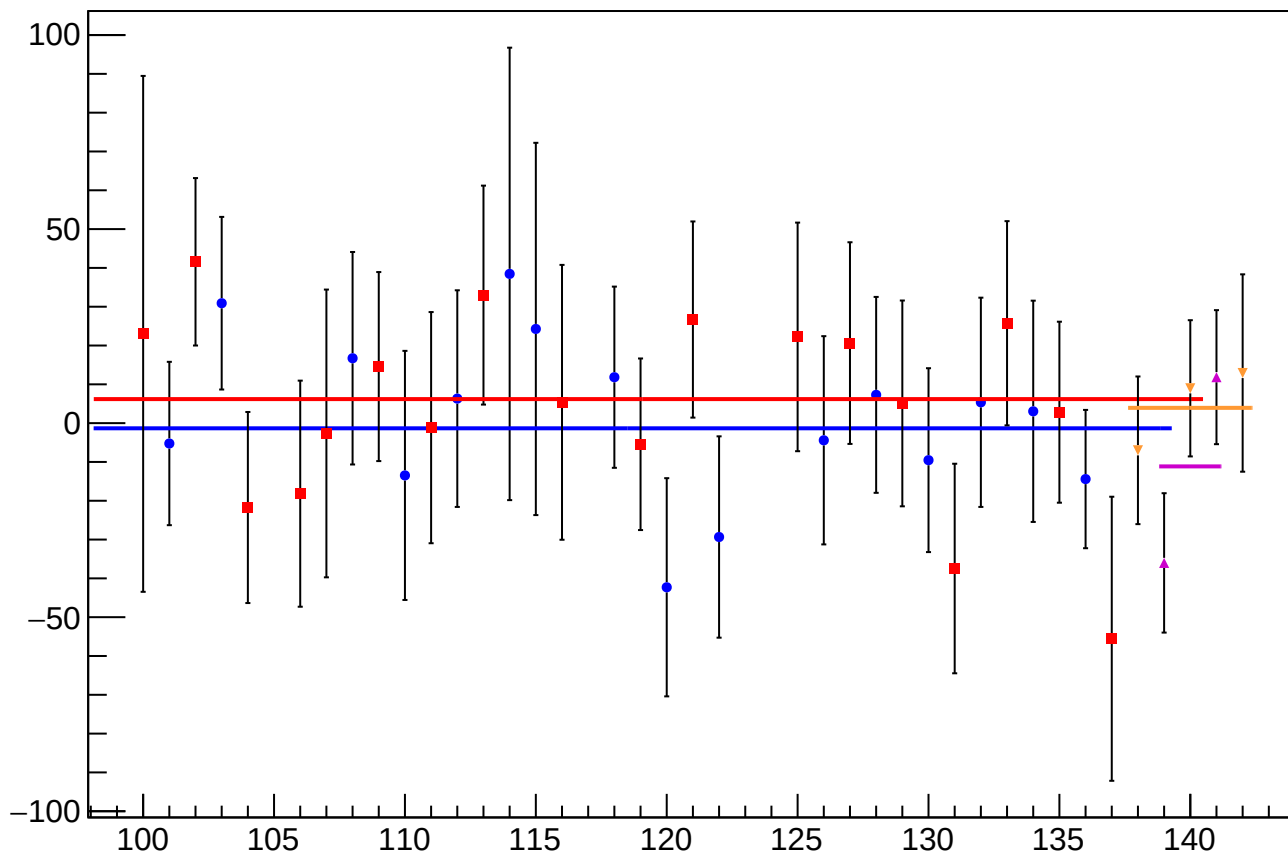
Left In: 209.674 $\pm$ 0.114 χ^2 /NDF:56.0/1

+ sign 200.139 $\pm$ 0.049 χ^2 /NDF: 1084311.4/18

All: 187.981 $\pm$ 0.033 χ^2 /NDF: 2894175.8/38

- sign 177.674 $\pm$ 0.045 χ^2 /NDF: 1694380.9/19

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331 ± 6.499 χ^2/NDF : 8.0/15

Left Out: 3.939 ± 11.504 χ^2/NDF : 0.5/2

Right Out: 6.195 ± 6.473 χ^2/NDF : 13.5/17

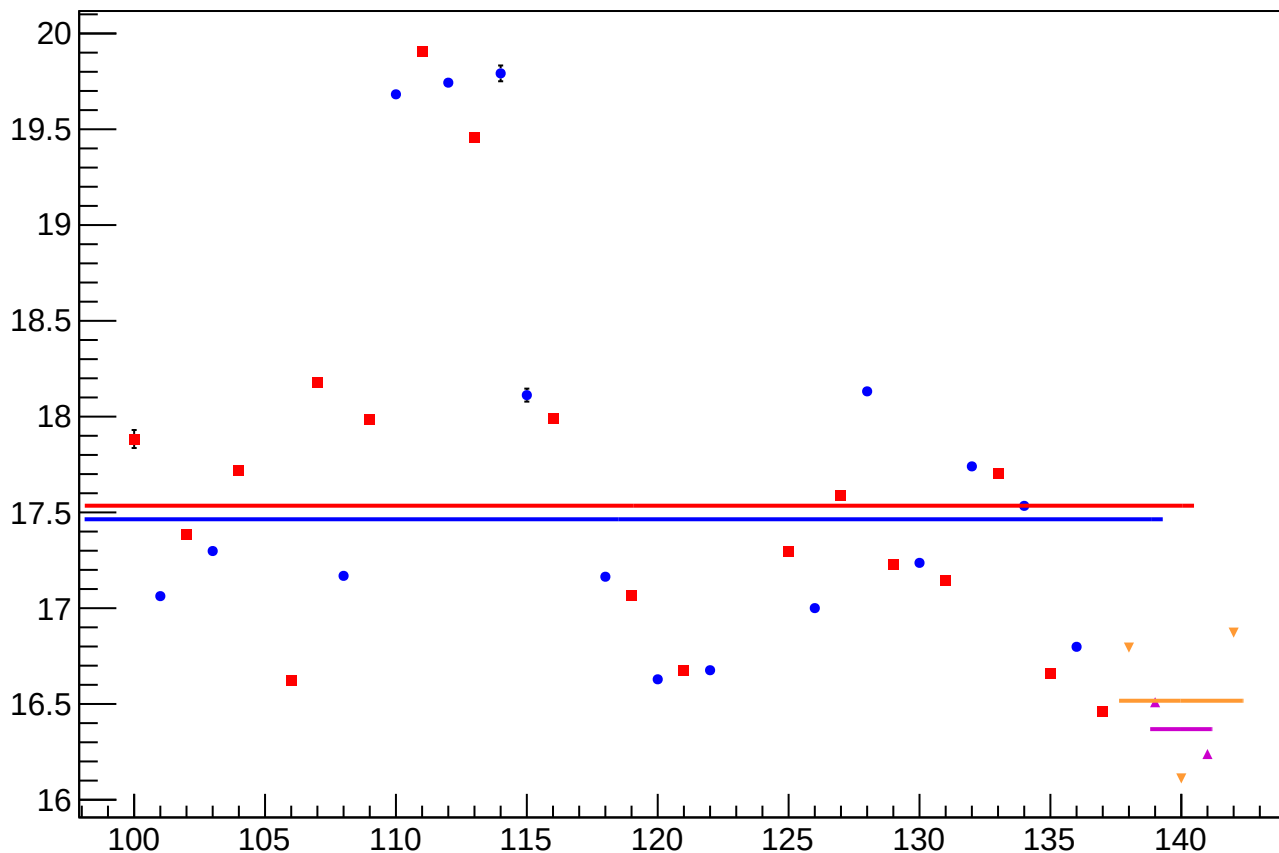
Left In: -11.147 ± 12.447 χ^2/NDF : 3.7/1

+ sign -0.056 ± 5.658 χ^2/NDF : 8.7/18

All: 1.205 ± 4.030 χ^2/NDF : 27.5/38

- sign 2.504 ± 5.743 χ^2/NDF : 18.7/19

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: 16.517 $\pm$ 0.008 χ^2 /NDF:1883.9/2

Right Out: 17.535 $\pm$ 0.005 χ^2 /NDF: 34475.1/17

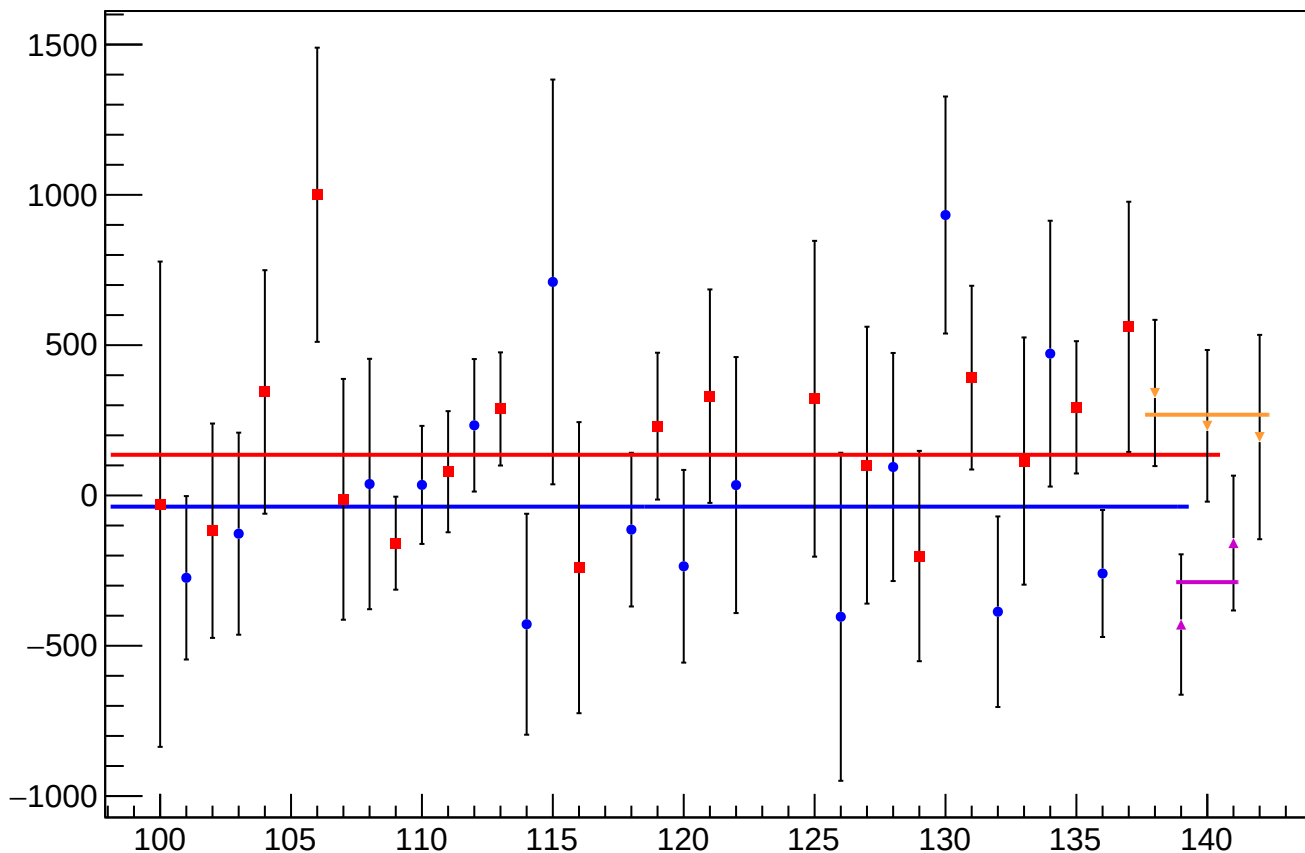
Left In: 16.369 $\pm$ 0.009 χ^2 /NDF:235.5/1

+ sign 17.235 $\pm$ 0.004 χ^2 /NDF: 48814.4/18

All: 17.260 $\pm$ 0.003 χ^2 /NDF: 97429.7/38

- sign 17.287 $\pm$ 0.004 χ^2 /NDF: 48533.0/19

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: 268.577 ± 155.668 $\chi^2/\text{NDF}: 0.2/2$

Right Out: 135.279 ± 69.157 $\chi^2/\text{NDF}: 12.8/17$

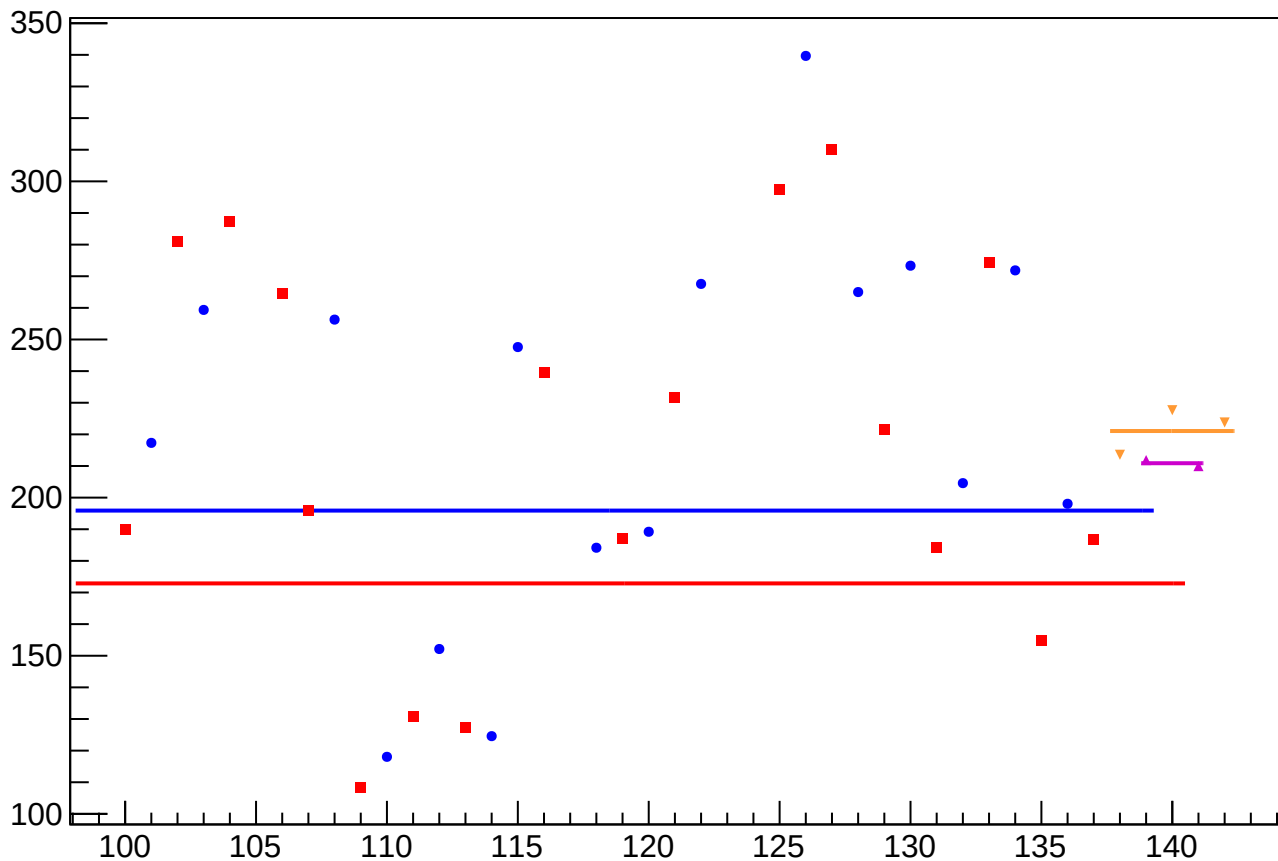
Left In: -288.365 ± 161.769 $\chi^2/\text{NDF}: 0.7/1$

+ sign 22.768 ± 68.957 $\chi^2/\text{NDF}: 18.9/18$

All: 48.194 ± 46.747 $\chi^2/\text{NDF}: 38.5/38$

- sign 69.817 ± 63.590 $\chi^2/\text{NDF}: 19.3/19$

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: 221.057 $\pm$ 0.110 χ^2 /NDF:3392.0/2

Right Out: 172.873 $\pm$ 0.049 χ^2 /NDF: 1543258.3/17

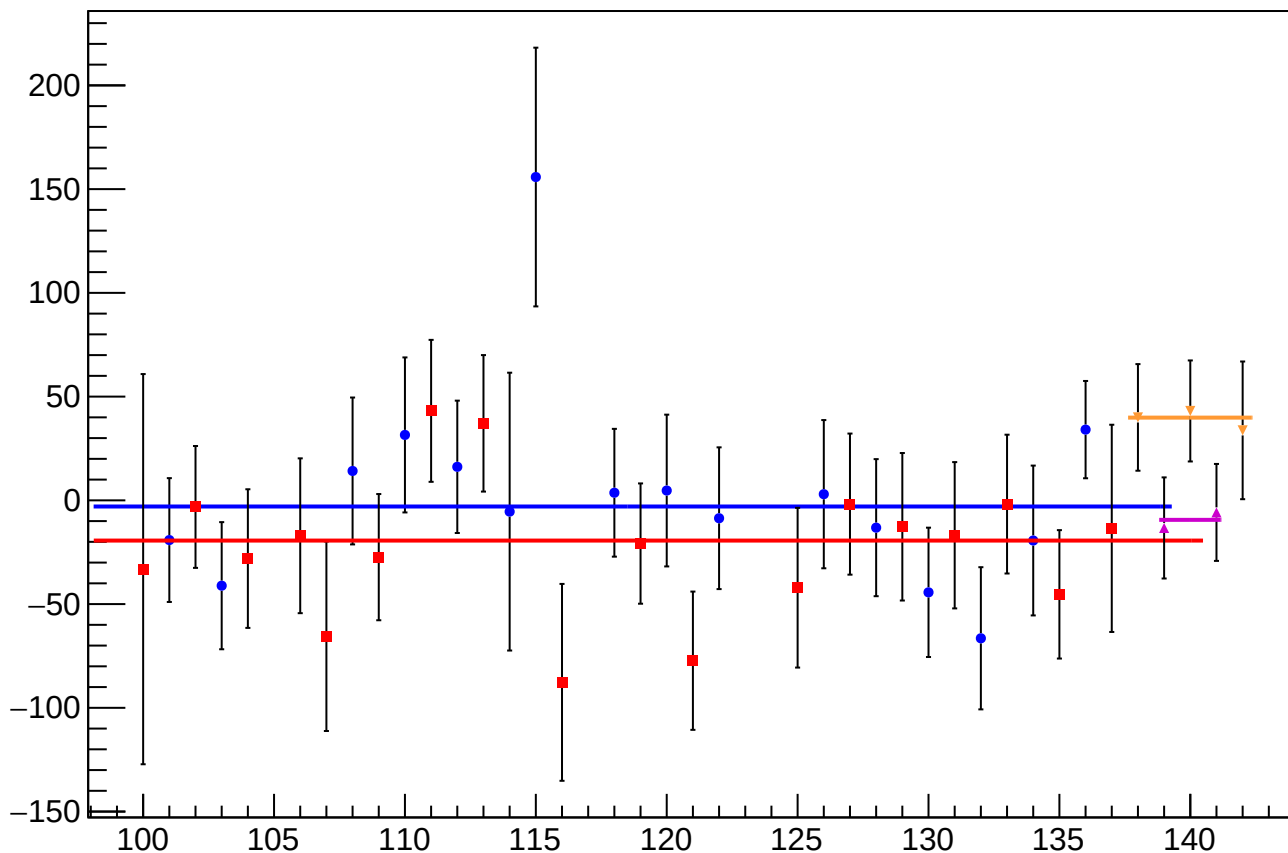
Left In: 210.877 $\pm$ 0.114 χ^2 /NDF:69.6/1

+ sign 200.836 $\pm$ 0.049 χ^2 /NDF: 1056390.6/18

All: 188.898 $\pm$ 0.033 χ^2 /NDF: 2803970.2/38

- sign 178.745 $\pm$ 0.045 χ^2 /NDF: 1636653.2/19

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967 ± 8.454 χ^2/NDF : 17.9/15

Left Out: 39.872 ± 15.598 χ^2/NDF : 0.1/2

Right Out: -19.387 ± 8.381 χ^2/NDF : 14.5/17

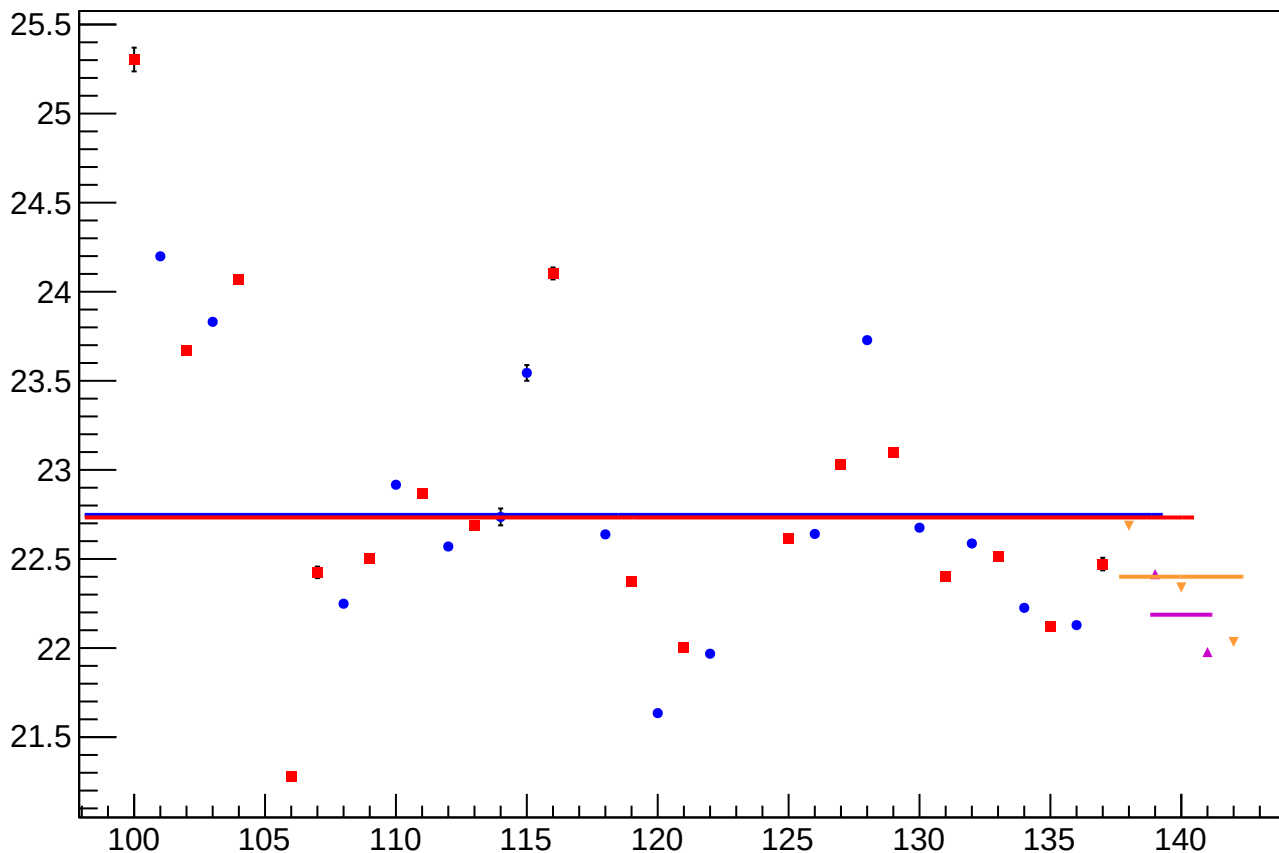
Left In: -9.404 ± 16.865 χ^2/NDF : 0.0/1

+ sign 6.760 ± 7.433 χ^2/NDF : 23.8/18

All: -5.207 ± 5.281 χ^2/NDF : 43.9/38

- sign -17.410 ± 7.506 χ^2/NDF : 14.9/19

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: 22.400 $\pm$ 0.011 χ^2 /NDF: 503.6/2

Right Out: 22.733 $\pm$ 0.006 χ^2 /NDF: 14389.6/17

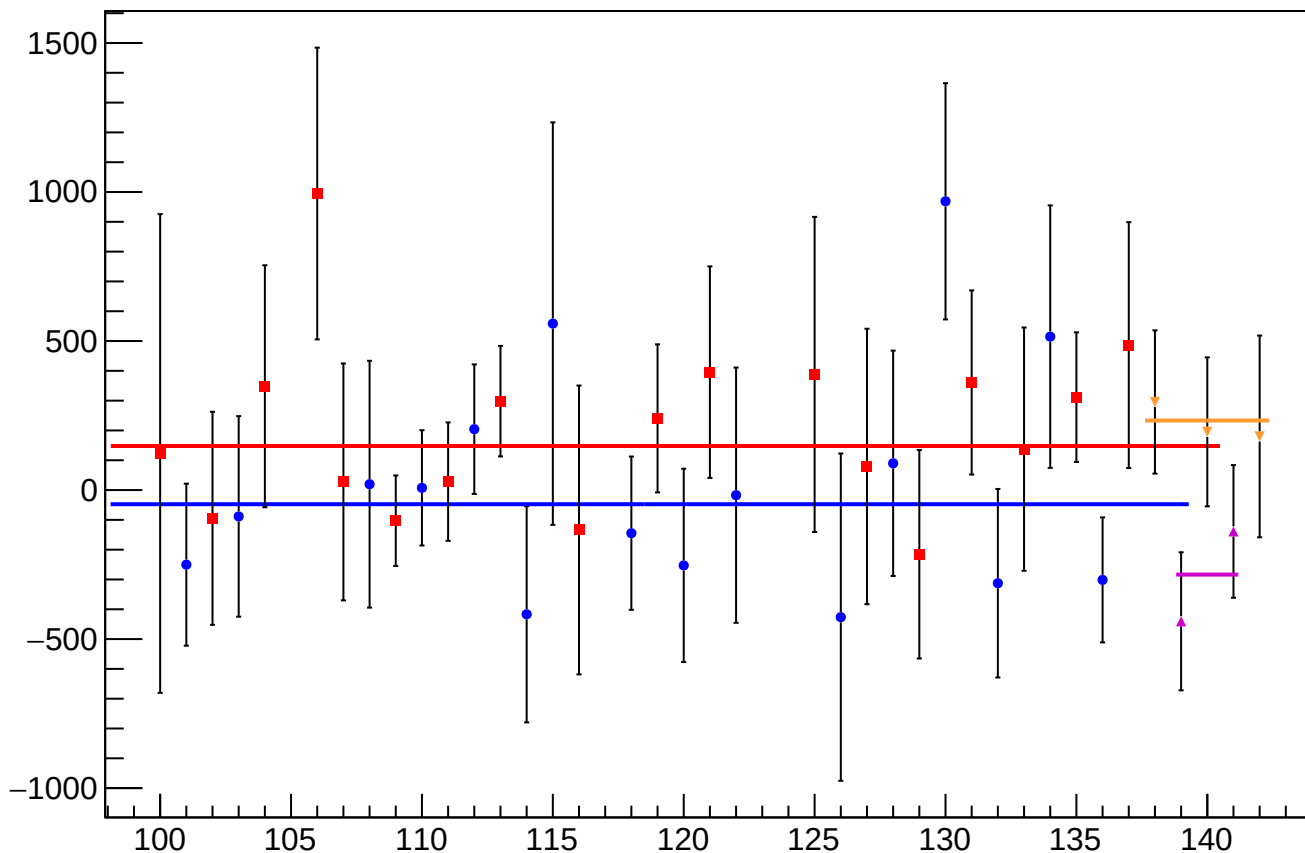
Left In: 22.187 $\pm$ 0.012 χ^2 /NDF: 335.3/1

+ sign 22.669 $\pm$ 0.005 χ^2 /NDF: 15892.6/18

All: 22.647 $\pm$ 0.004 χ^2 /NDF: 32332.1/38

- sign 22.625 $\pm$ 0.005 χ^2 /NDF: 16405.1/19

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523 ± 76.571 χ^2/NDF : 15.4/15

Left Out: 233.366 ± 154.215 χ^2/NDF : 0.1/2

Right Out: 147.812 ± 68.660 χ^2/NDF : 11.5/17

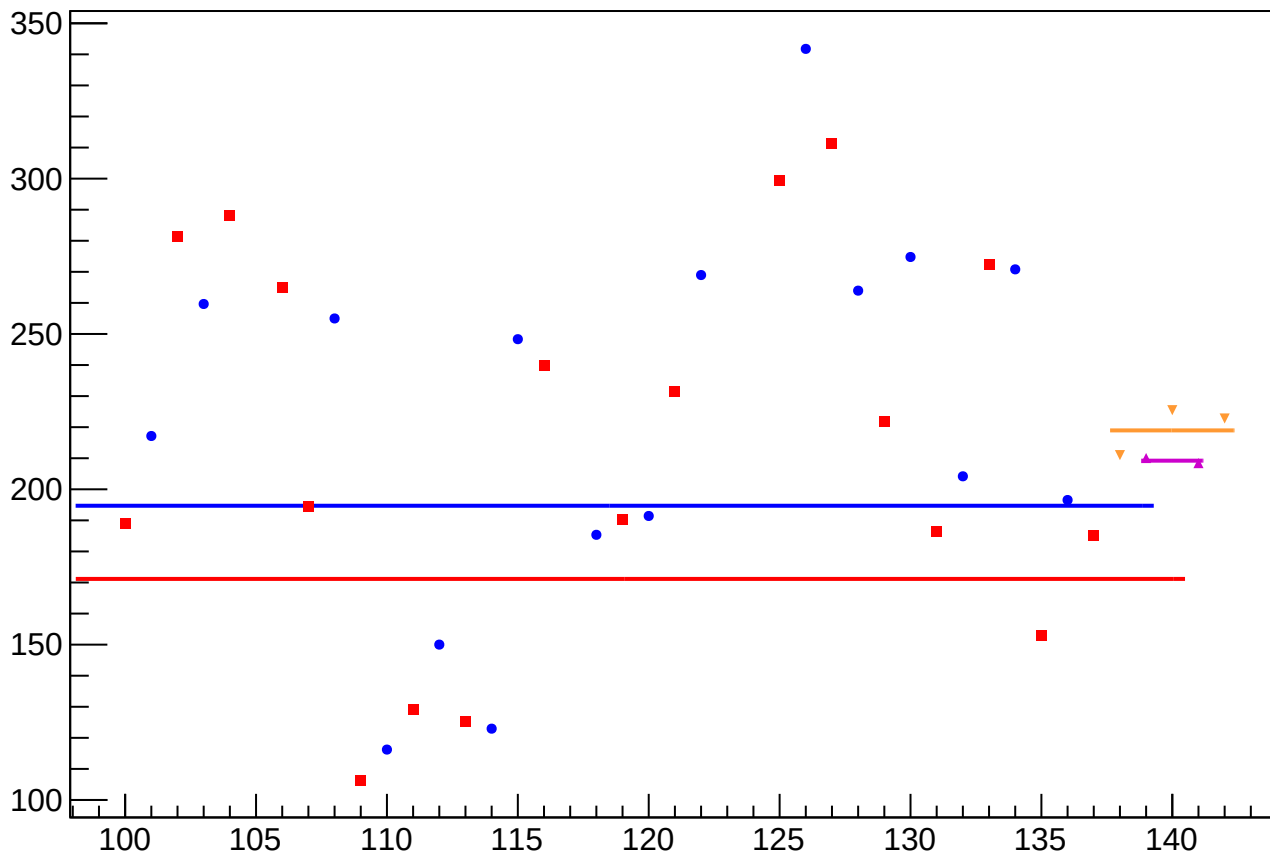
Left In: -283.621 ± 160.511 χ^2/NDF : 0.9/1

+ sign 8.030 ± 68.582 χ^2/NDF : 18.2/18

All: 47.576 ± 46.446 χ^2/NDF : 37.3/38

- sign 81.080 ± 63.127 χ^2/NDF : 18.5/19

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: 218.960 $\pm$ 0.109 χ^2 /NDF: 3804.8/2

Right Out: 171.156 $\pm$ 0.049 χ^2 /NDF: 1611935.6/17

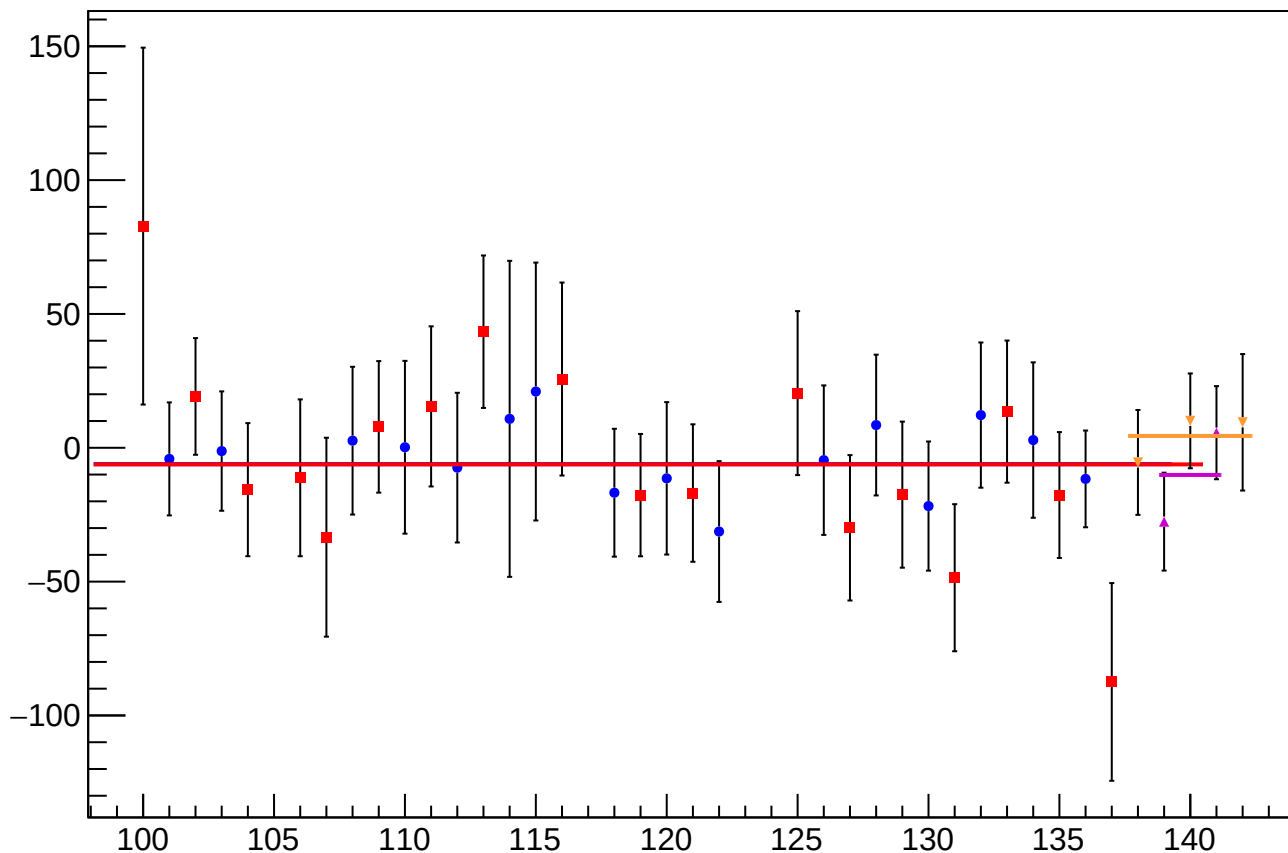
Left In: 209.217 $\pm$ 0.113 χ^2 /NDF: 52.3/1

+ sign 199.504 $\pm$ 0.048 χ^2 /NDF: 1095773.9/18

All: 187.345 $\pm$ 0.033 χ^2 /NDF: 2918952.0/38

- sign 177.043 $\pm$ 0.045 χ^2 /NDF: 1707047.5/19

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: 4.427 ± 11.679 $\chi^2/\text{NDF}: 0.4/2$

Right Out: -6.195 ± 6.580 $\chi^2/\text{NDF}: 18.6/17$

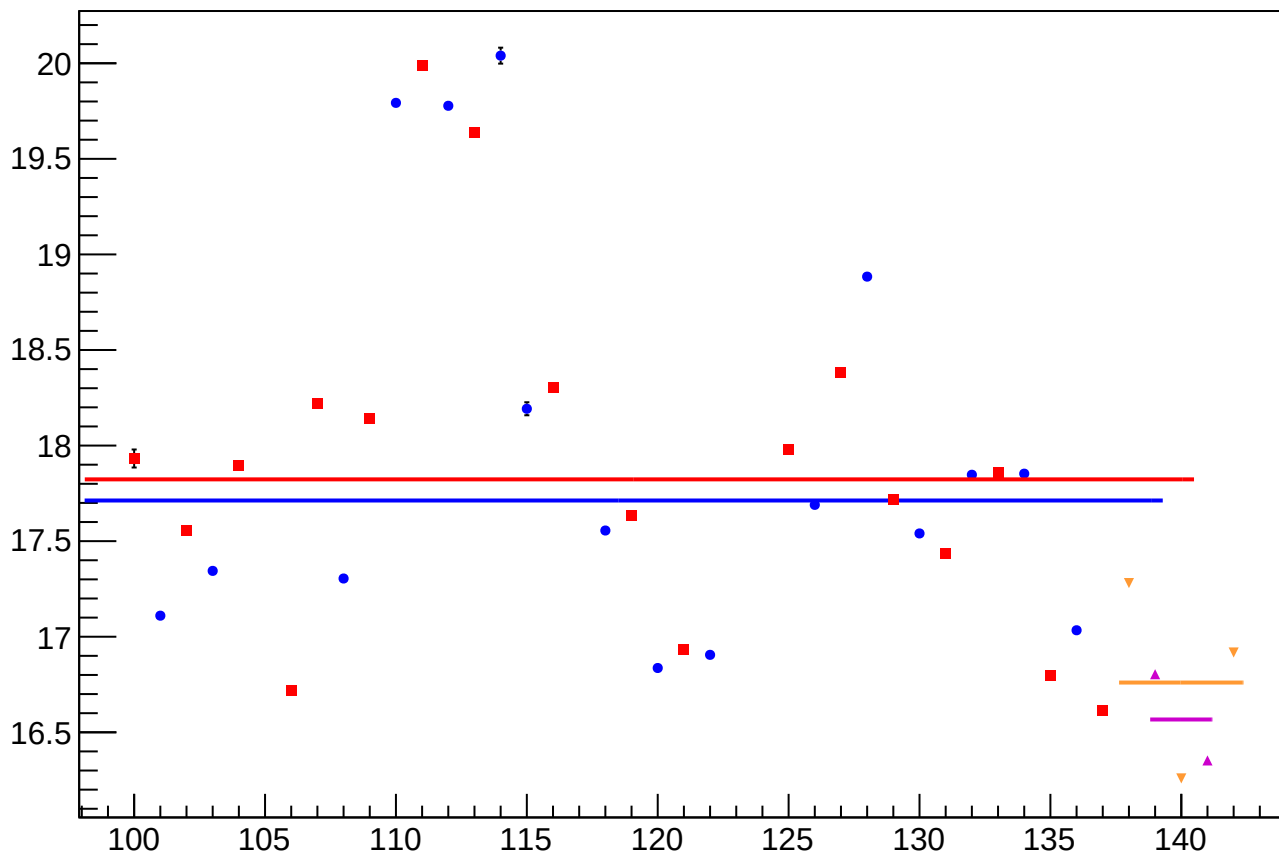
Left In: -10.143 ± 12.602 $\chi^2/\text{NDF}: 1.7/1$

+ sign -3.571 ± 5.741 $\chi^2/\text{NDF}: 4.1/18$

All: -5.278 ± 4.092 $\chi^2/\text{NDF}: 24.8/38$

- sign -7.040 ± 5.833 $\chi^2/\text{NDF}: 20.4/19$

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: 16.760 $\pm$ 0.008 χ^2 /NDF:3090.6/2

Right Out: 17.823 $\pm$ 0.005 χ^2 /NDF: 32502.9/17

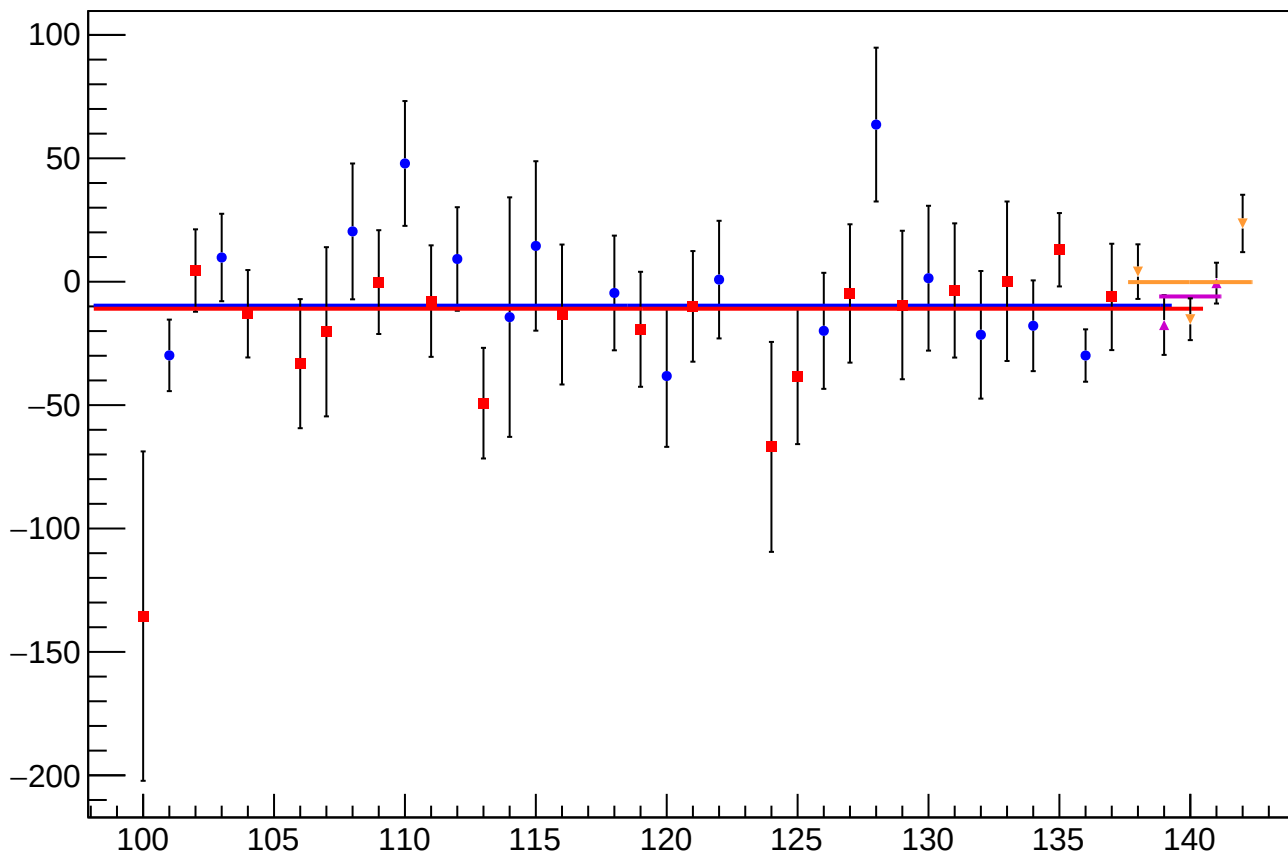
Left In: 16.567 $\pm$ 0.009 χ^2 /NDF:638.7/1

+ sign 17.483 $\pm$ 0.004 χ^2 /NDF: 49159.2/18

All: 17.518 $\pm$ 0.003 χ^2 /NDF: 98067.5/38

- sign 17.554 $\pm$ 0.004 χ^2 /NDF: 48755.5/19

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702 $\pm$ 5.231 χ^2 /NDF: 22.0/15

Left Out: -0.156 $\pm$ 5.817 χ^2 /NDF: 7.5/2

Right Out: -10.938 $\pm$ 5.436 χ^2 /NDF: 14.1/18

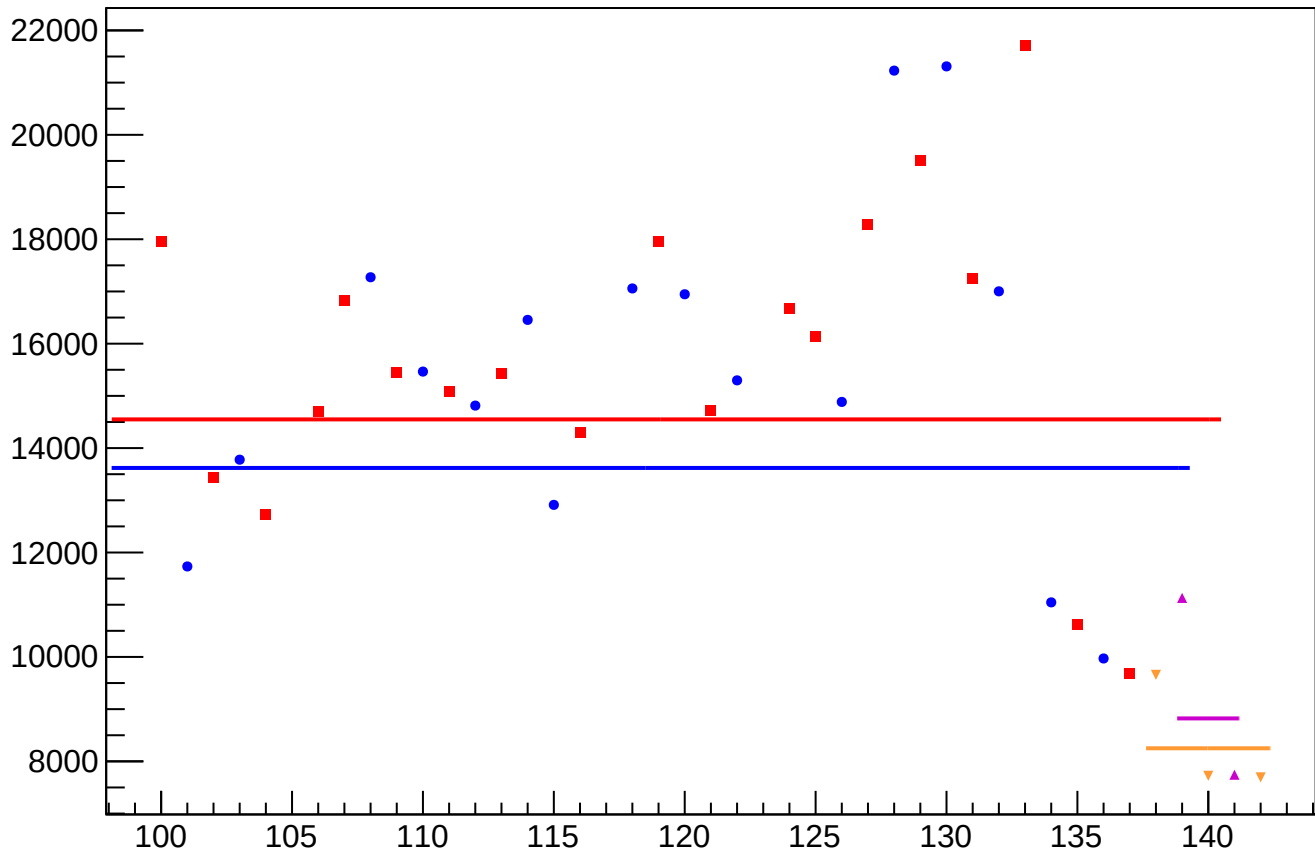
Left In: -5.972 $\pm$ 6.829 χ^2 /NDF: 1.3/1

+ sign -5.433 $\pm$ 3.890 χ^2 /NDF: 31.0/18

All: -7.063 $\pm$ 2.870 χ^2 /NDF: 47.1/39

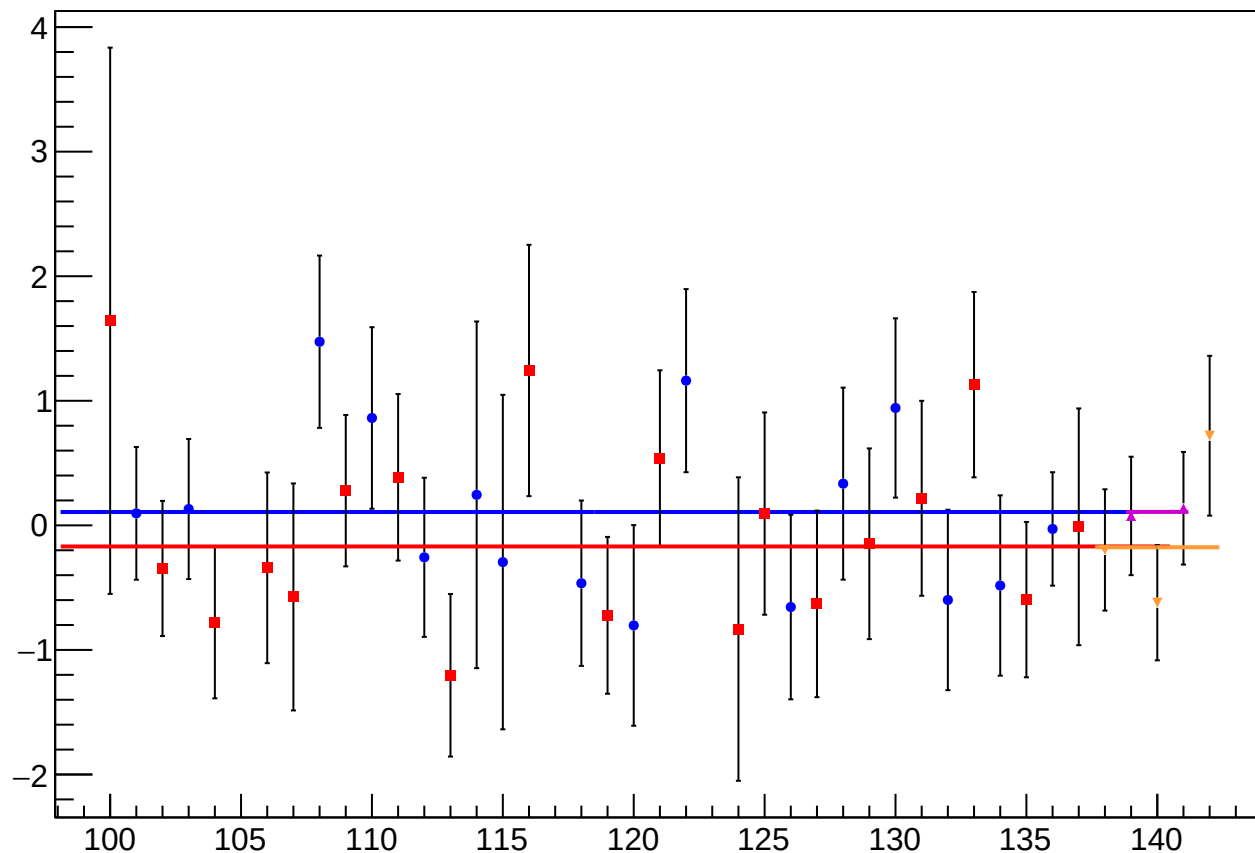
- sign -9.012 $\pm$ 4.253 χ^2 /NDF: 15.7/20

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845 $\pm$ 3.699 χ^2 /NDF: 746985.9/15
 Left Out: 8250.363 $\pm$ 4.113 χ^2 /NDF:44677.2/2
 Right Out: 14549.658 $\pm$ 3.844 χ^2 /NDF: 555902.2/18
 Left In: 8822.370 $\pm$ 4.829 χ^2 /NDF:106752.6/1
 + sign 11218.701 $\pm$ 2.750 χ^2 /NDF: 1733868.1/18
 All: 11723.946 $\pm$ 2.030 χ^2 /NDF: 3331728.9/3
 - sign 12328.029 $\pm$ 3.007 χ^2 /NDF: 1523768.0/20

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107 ± 0.172 χ^2/NDF : 13.7/15

Left Out: -0.176 ± 0.297 χ^2/NDF : 2.9/2

Right Out: -0.169 ± 0.169 χ^2/NDF : 14.1/18

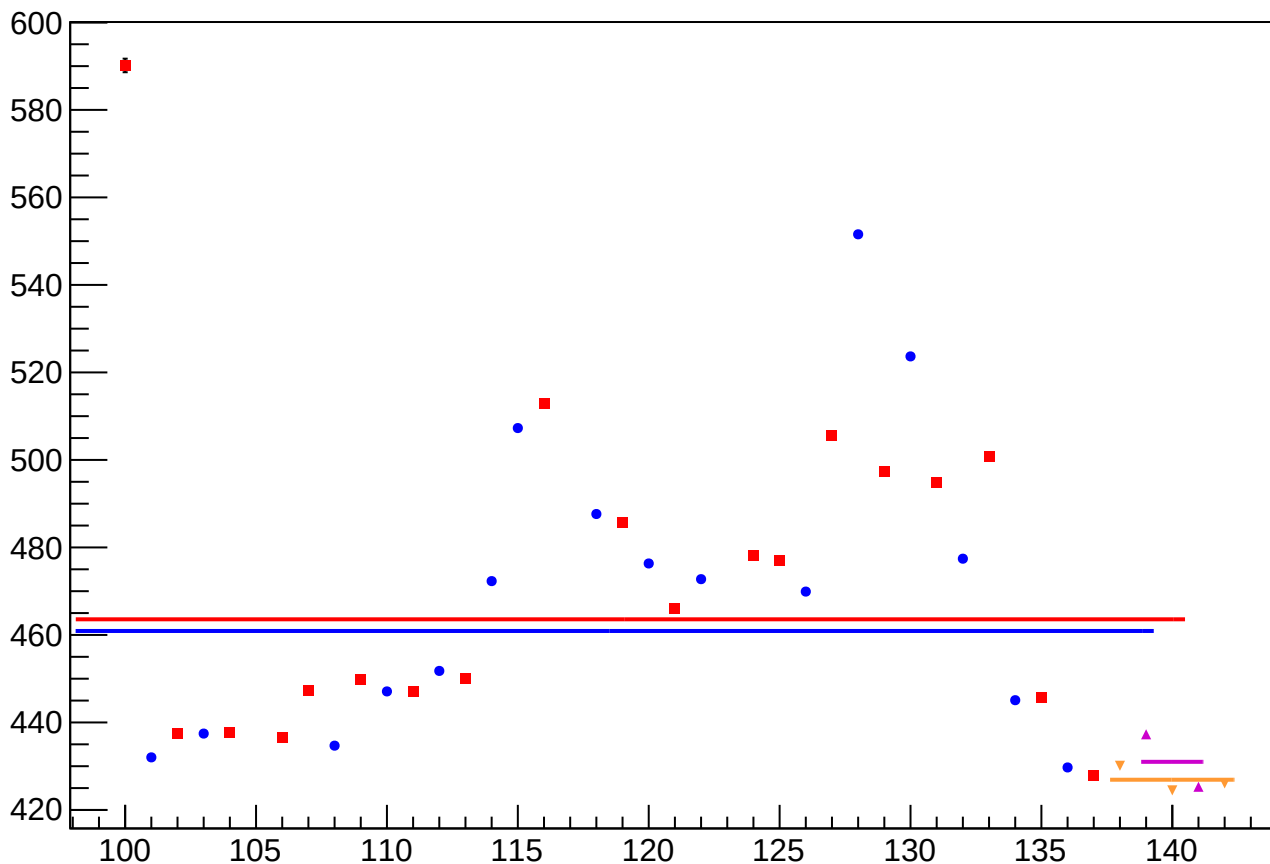
Left In: 0.108 ± 0.328 χ^2/NDF : 0.0/1

+ sign 0.036 ± 0.149 χ^2/NDF : 17.2/18

All: -0.036 ± 0.106 χ^2/NDF : 32.4/39

- sign -0.111 ± 0.150 χ^2/NDF : 14.7/20

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF : 74930.1/15

Left Out: 426.911+/-0.210 χ^2/NDF : 144.7/2

Right Out: 463.573+/-0.120 χ^2/NDF : 52175.6/18

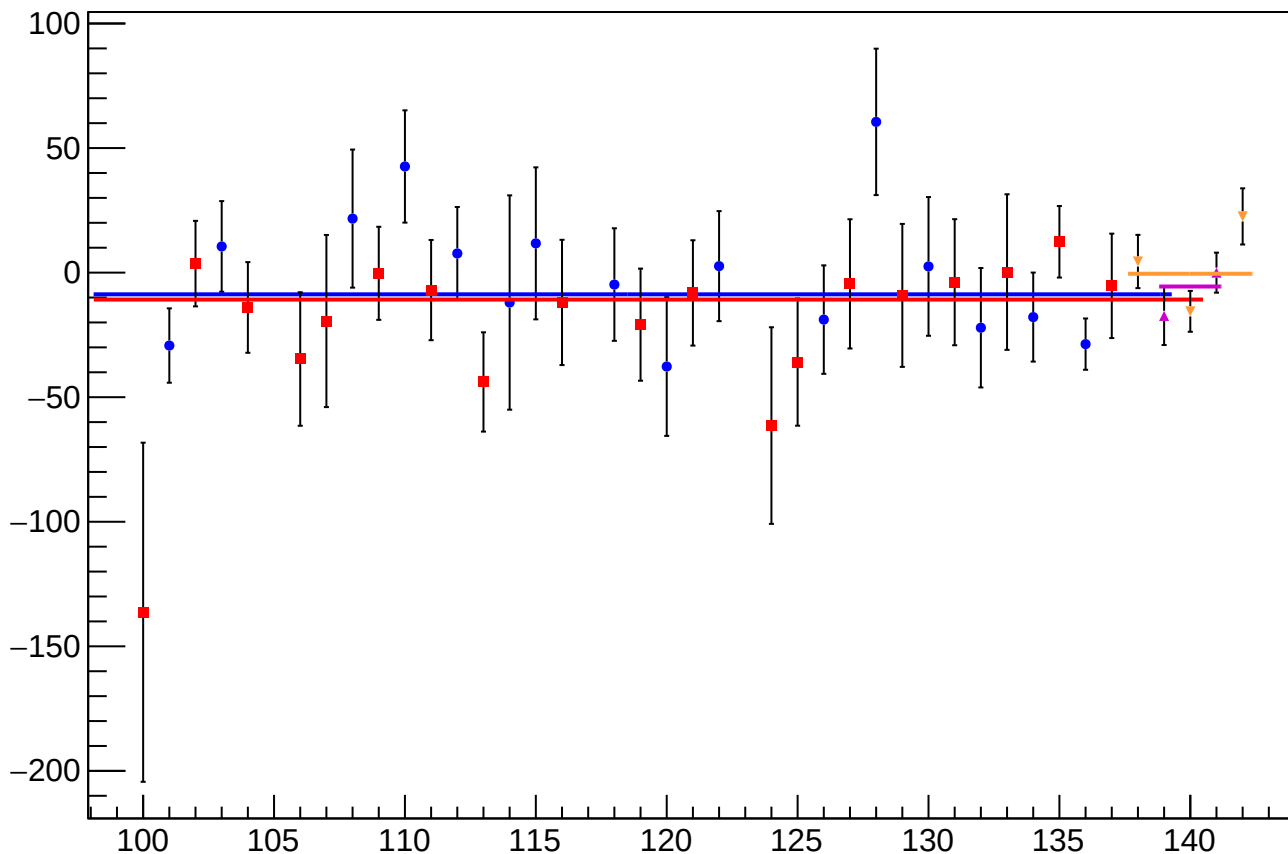
Left In: 431.002+/-0.232 χ^2/NDF : 668.2/1

+ sign 452.394+/-0.105 χ^2/NDF : 94703.8/18

All: 454.520+/-0.075 χ^2/NDF : 163976.6/39

- sign 456.697+/-0.106 χ^2/NDF : 68445.3/20

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707 ± 5.036 χ^2/NDF : 22.3/15

Left Out: -0.450 ± 5.636 χ^2/NDF : 7.8/2

Right Out: -10.807 ± 5.192 χ^2/NDF : 13.9/18

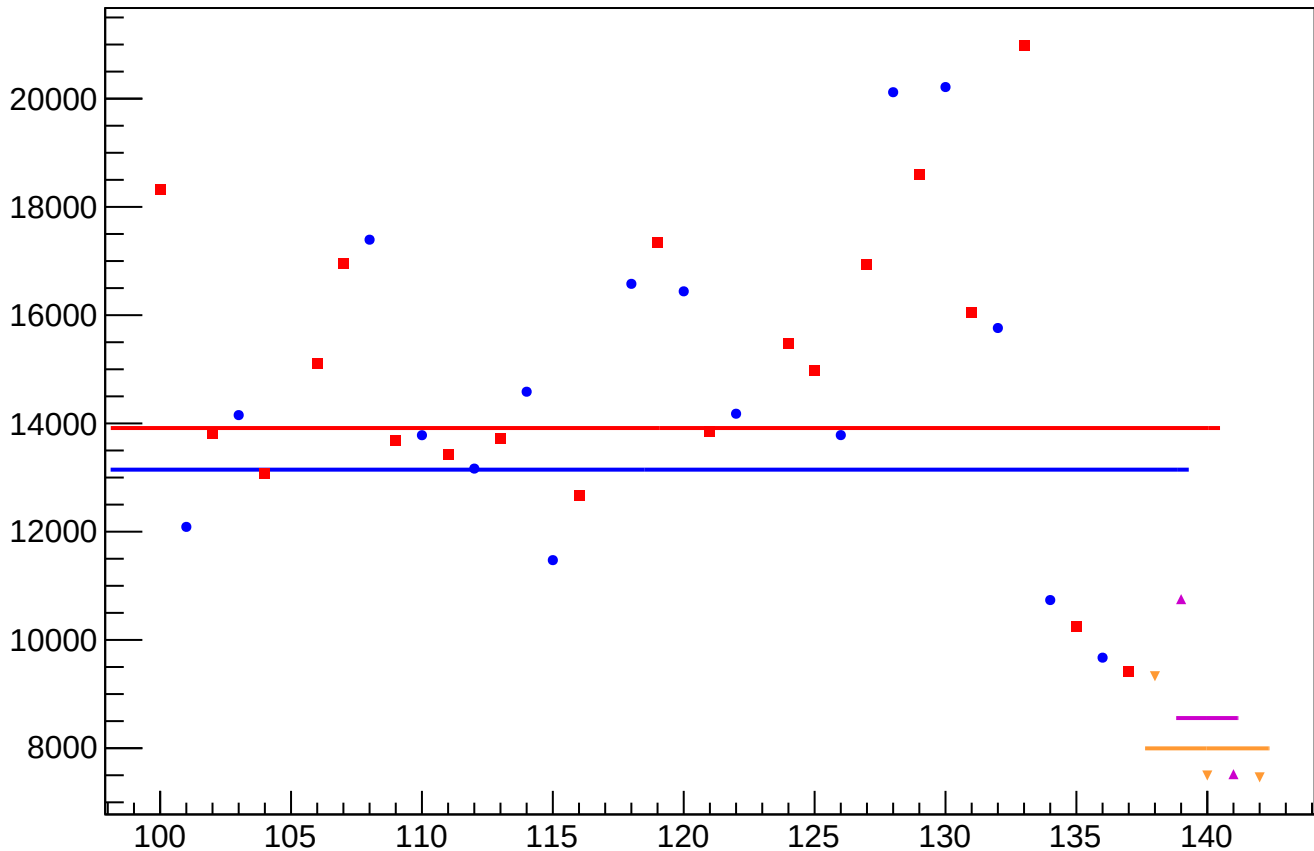
Left In: -5.570 ± 6.620 χ^2/NDF : 1.5/1

+ sign -5.042 ± 3.755 χ^2/NDF : 31.2/18

All: -6.769 ± 2.765 χ^2/NDF : 47.5/39

- sign -8.813 ± 4.085 χ^2/NDF : 15.8/20

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853 $\pm$ 3.561 χ^2 /NDF: 682620.1/15

Left Out: 7996.707 $\pm$ 3.985 χ^2 /NDF: 43065.4/2

+ sign 10860.135 $\pm$ 2.655 χ^2 /NDF: 1653925.1/18

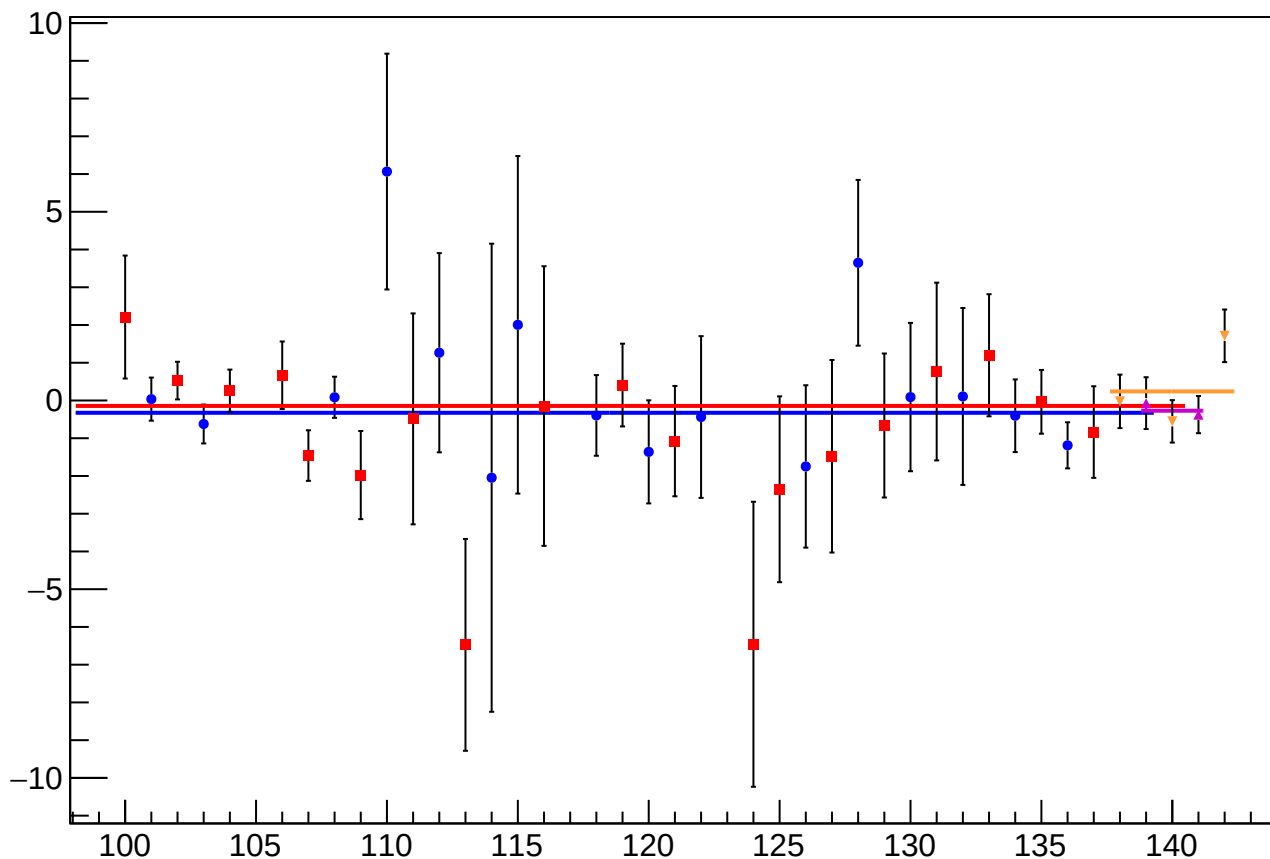
Right Out: 13914.770 $\pm$ 3.671 χ^2 /NDF: 511000.7/18

All: 11324.704 $\pm$ 1.955 χ^2 /NDF: 3146899.5/3

Left In: 8556.704 $\pm$ 4.681 χ^2 /NDF: 103936.8/1

- sign 11874.508 $\pm$ 2.889 χ^2 /NDF: 1426140.1/20

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326 ± 0.244 χ^2/NDF : 12.6/15

Left Out: 0.240 ± 0.372 χ^2/NDF : 6.6/2

Right Out: -0.144 ± 0.244 χ^2/NDF : 22.5/18

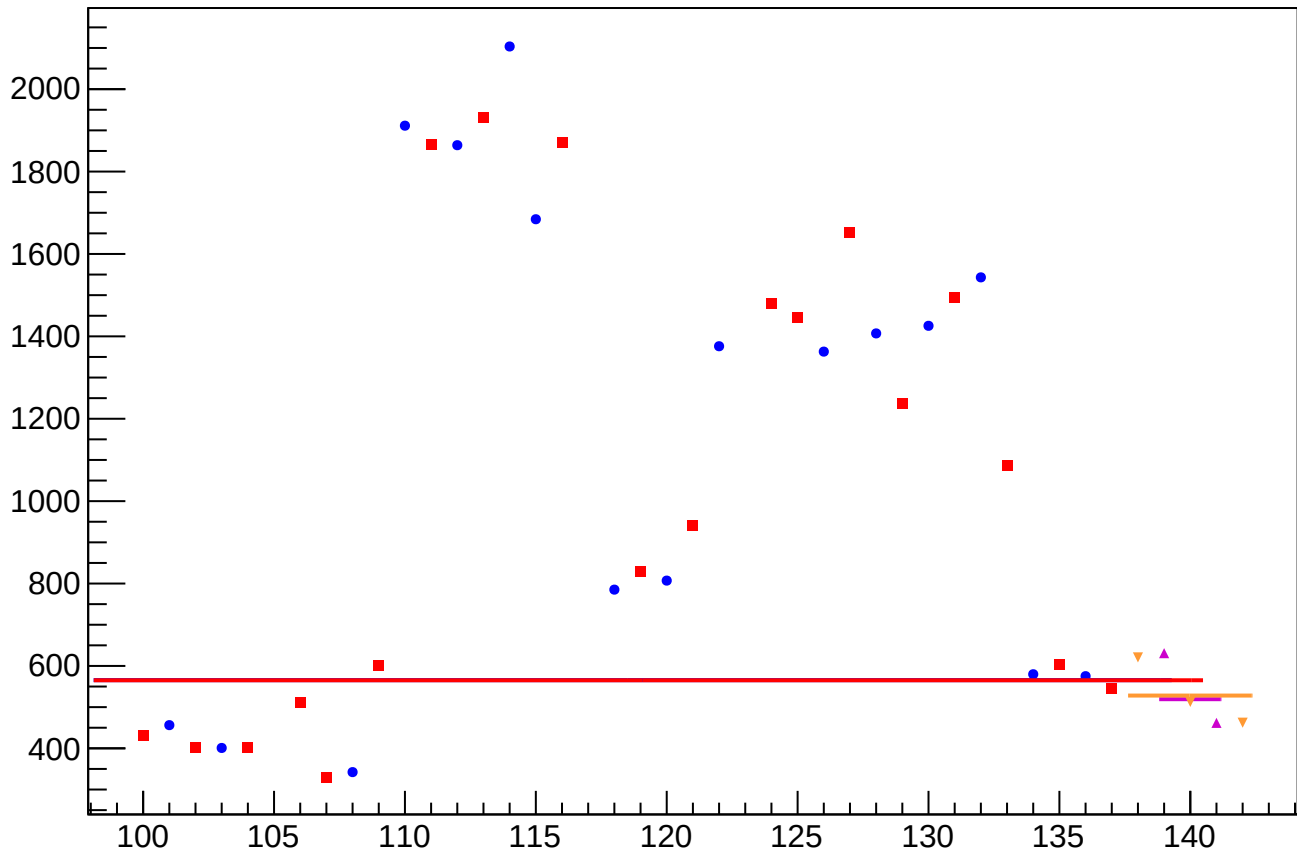
Left In: -0.271 ± 0.400 χ^2/NDF : 0.1/1

+ sign -0.156 ± 0.204 χ^2/NDF : 20.8/18

All: -0.167 ± 0.146 χ^2/NDF : 43.5/39

- sign -0.178 ± 0.209 χ^2/NDF : 22.7/20

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF : 3450533.8/15

Left Out: 528.089+/-0.263 χ^2/NDF : 53536.4/2

Right Out: 565.223+/-0.173 χ^2/NDF : 3571620.7/18

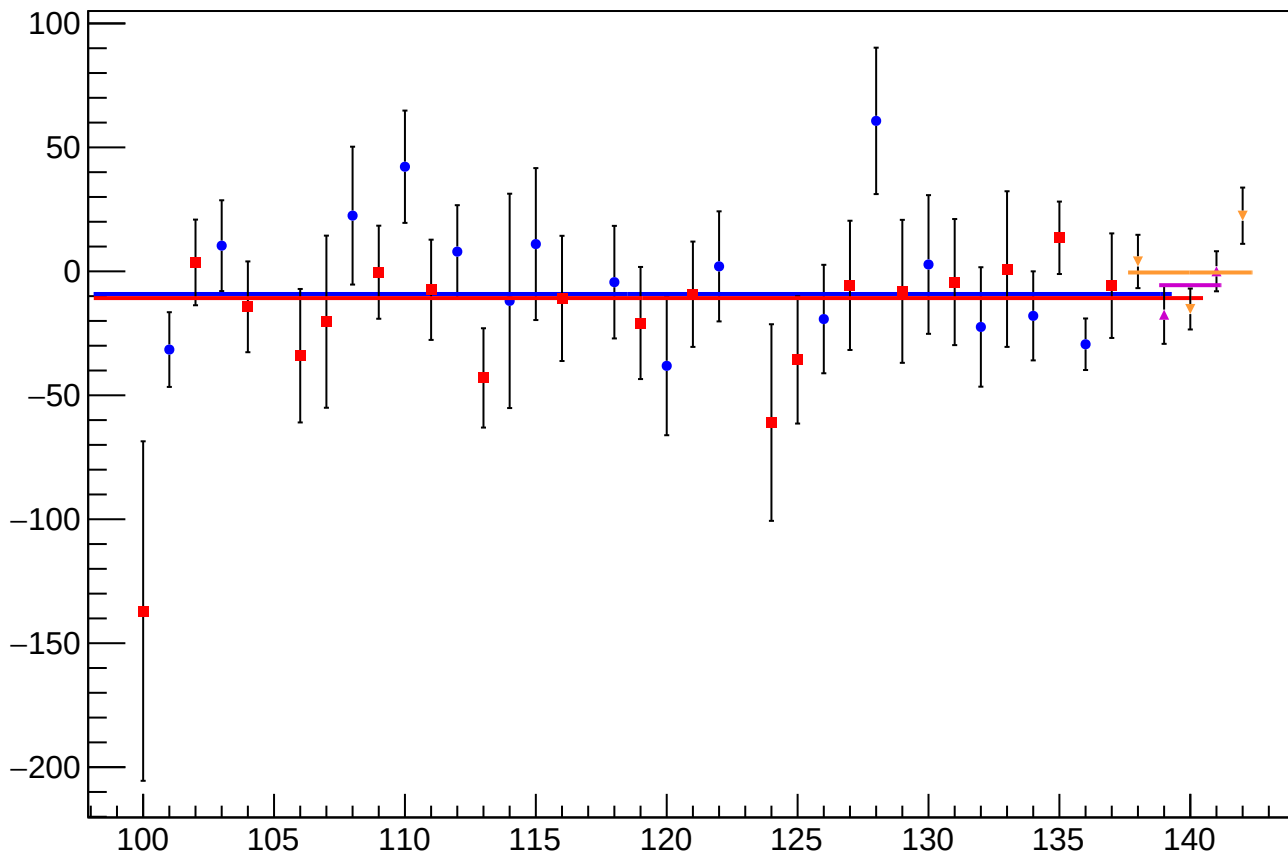
Left In: 519.286+/-0.283 χ^2/NDF : 80115.8/1

+ sign 554.277+/-0.144 χ^2/NDF : 3518210.1/18

All: 553.529+/-0.103 χ^2/NDF : 7189192.6/39

- sign 552.749+/-0.147 χ^2/NDF : 3670927.7/20

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130 ± 5.069 χ^2/NDF : 22.7/15

Left Out: -0.462 ± 5.671 χ^2/NDF : 7.4/2

Right Out: -10.788 ± 5.227 χ^2/NDF : 13.7/18

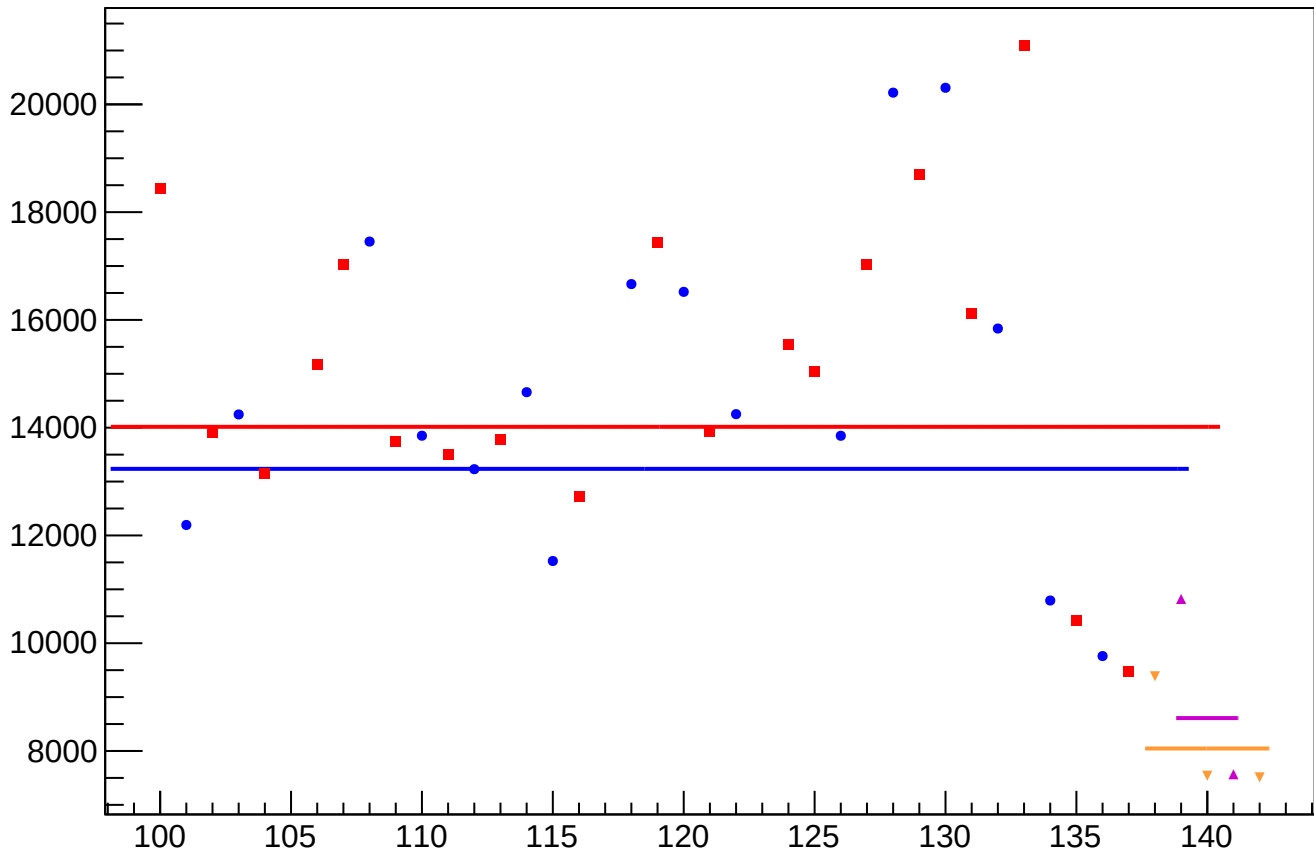
Left In: -5.579 ± 6.662 χ^2/NDF : 1.5/1

+ sign -5.280 ± 3.779 χ^2/NDF : 31.5/18

All: -6.893 ± 2.783 χ^2/NDF : 47.5/39

- sign -8.803 ± 4.113 χ^2/NDF : 15.6/20

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828 $\pm$ 3.585 χ^2 /NDF: 673887.0/15

Left Out: 8046.108 $\pm$ 4.010 χ^2 /NDF:43013.7/2

+ sign 10930.885 $\pm$ 2.672 χ^2 /NDF: 1647892.5/18

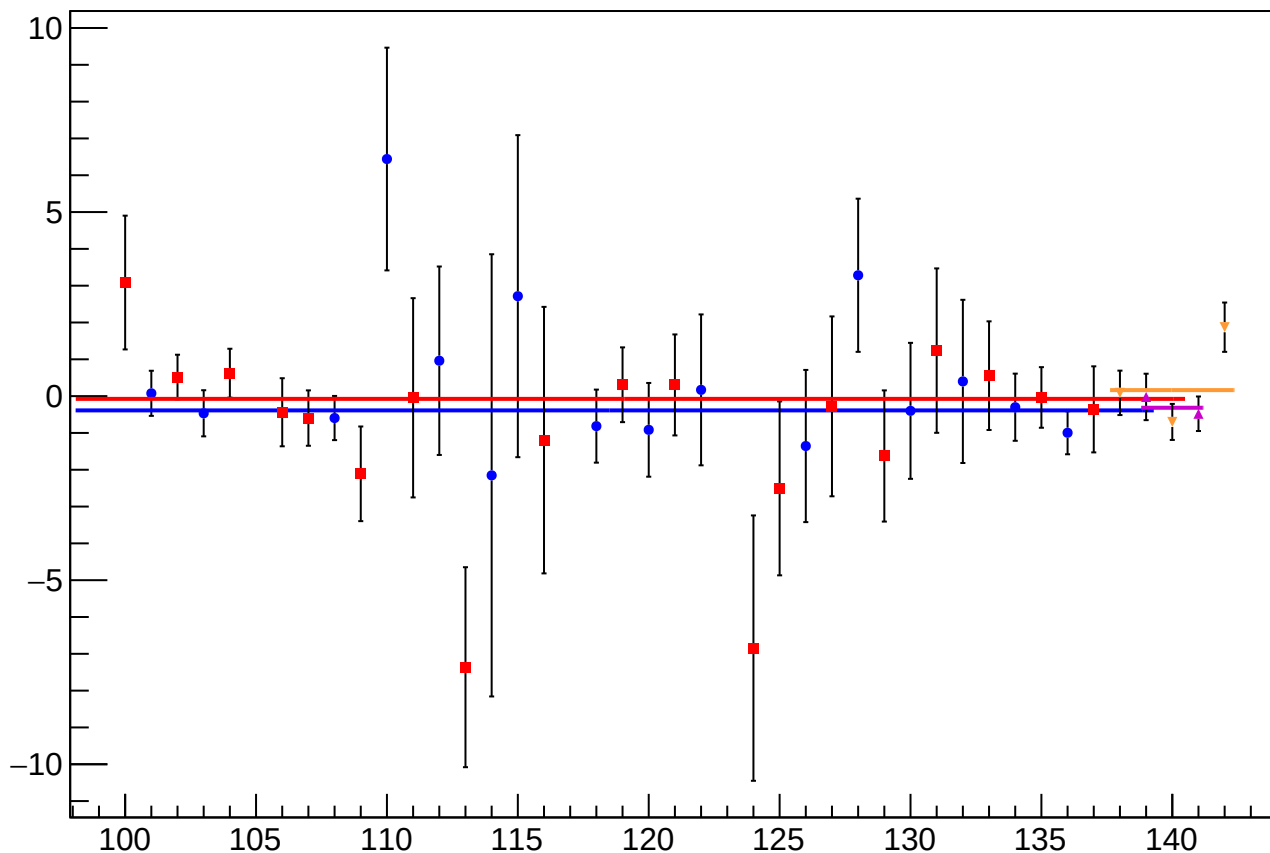
Right Out: 14016.035 $\pm$ 3.696 χ^2 /NDF: 498592.9/18

All: 11400.389 $\pm$ 1.968 χ^2 /NDF: 3132669.0/3

Left In: 8610.782 $\pm$ 4.711 χ^2 /NDF:103915.4/1

- sign 11956.299 $\pm$ 2.908 χ^2 /NDF: 1417368.4/20

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388 ± 0.256 χ^2/NDF : 11.7/15

Left Out: 0.163 ± 0.331 χ^2/NDF : 9.6/2

Right Out: -0.075 ± 0.265 χ^2/NDF : 21.7/18

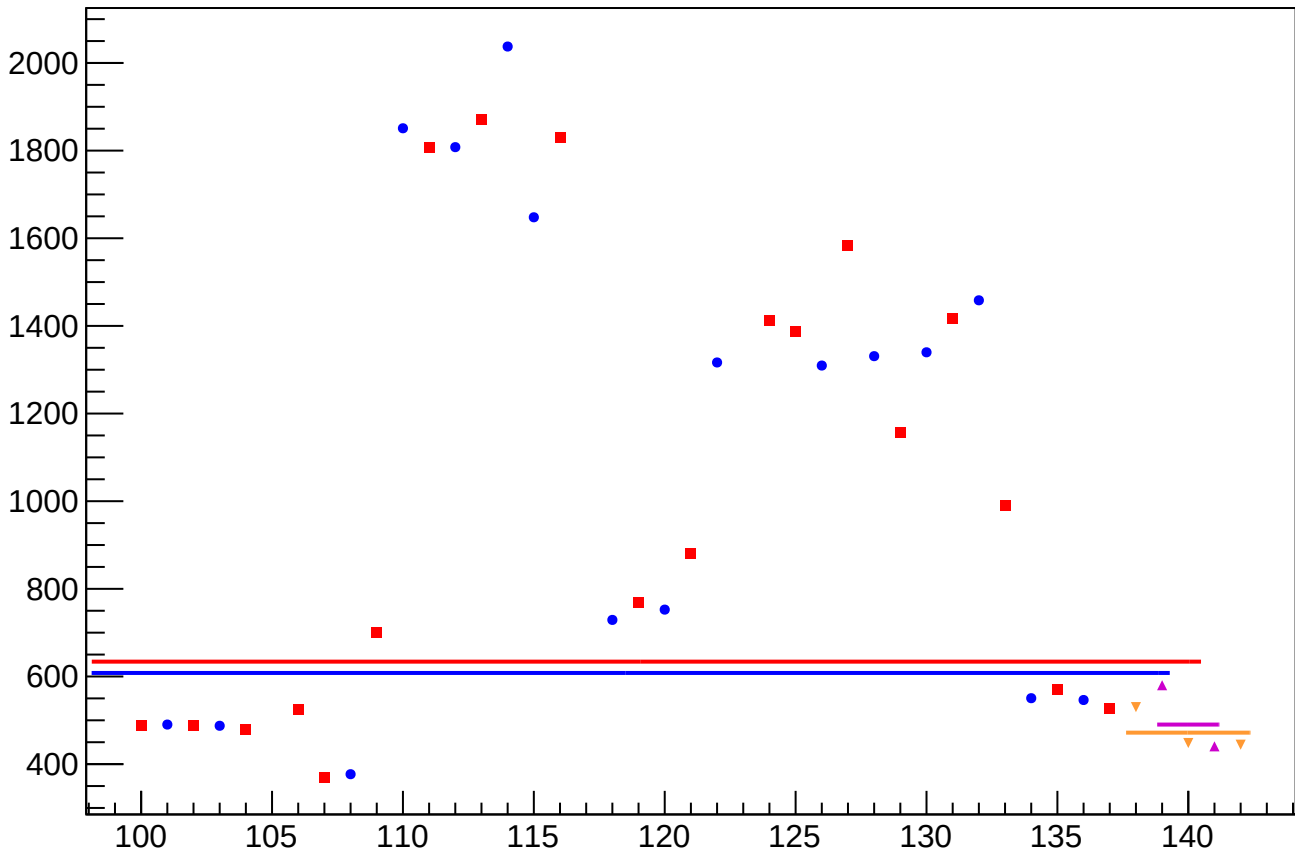
Left In: -0.316 ± 0.376 χ^2/NDF : 0.3/1

+ sign -0.181 ± 0.202 χ^2/NDF : 23.0/18

All: -0.169 ± 0.148 χ^2/NDF : 45.3/39

- sign -0.154 ± 0.216 χ^2/NDF : 22.3/20

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF : 2852722.1/15

Left Out: 471.853+/-0.234 χ^2/NDF :26678.1/2

+ sign 557.080+/-0.143 χ^2/NDF : 3091819.3/18

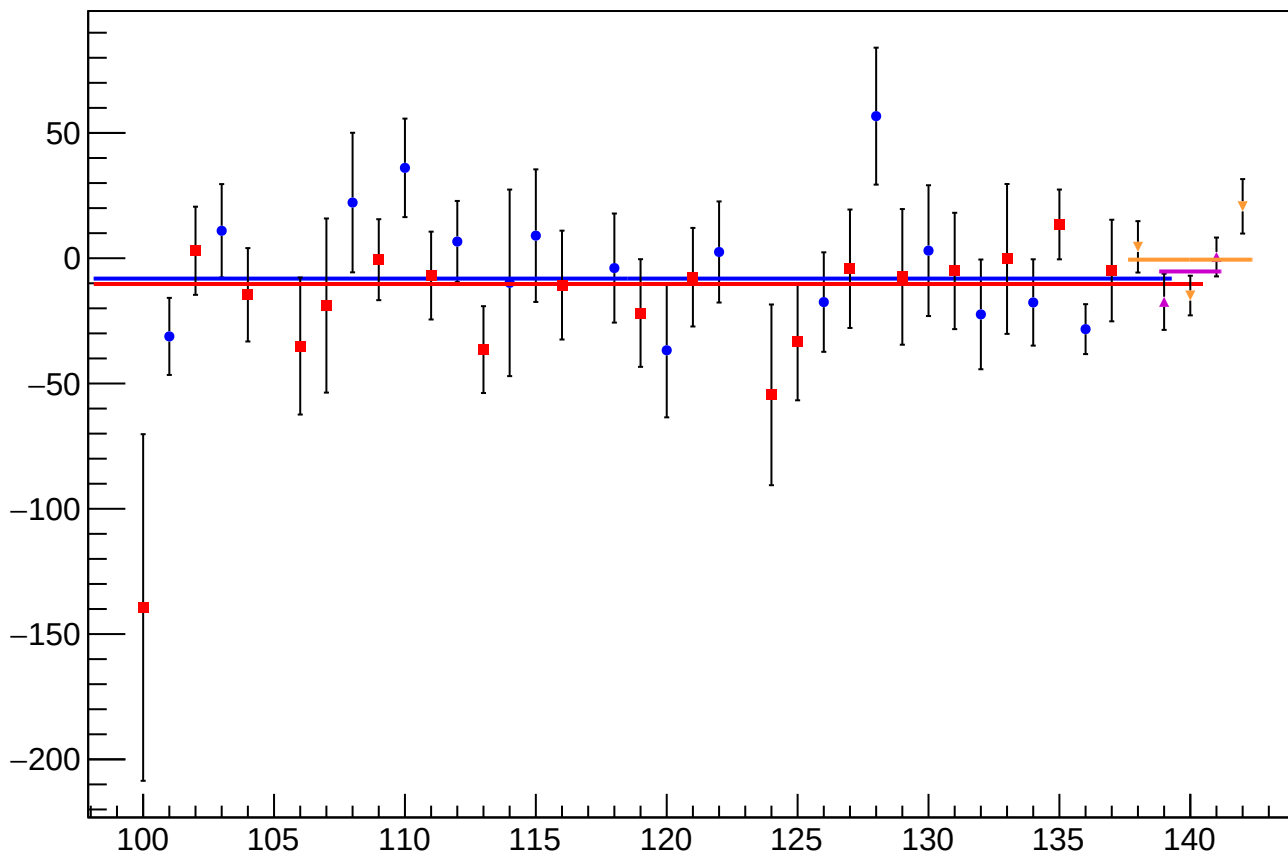
Right Out: 633.883+/-0.187 χ^2/NDF : 2788449.1/18

All: 570.752+/-0.104 χ^2/NDF : 6157712.0/39

Left In: 490.284+/-0.266 χ^2/NDF :62964.1/1

- sign 586.403+/-0.153 χ^2/NDF : 3046293.6/20

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132 ± 4.779 χ^2/NDF : 23.1/15

Left Out: -0.572 ± 5.427 χ^2/NDF : 7.4/2

Right Out: -10.288 ± 4.873 χ^2/NDF : 13.7/18

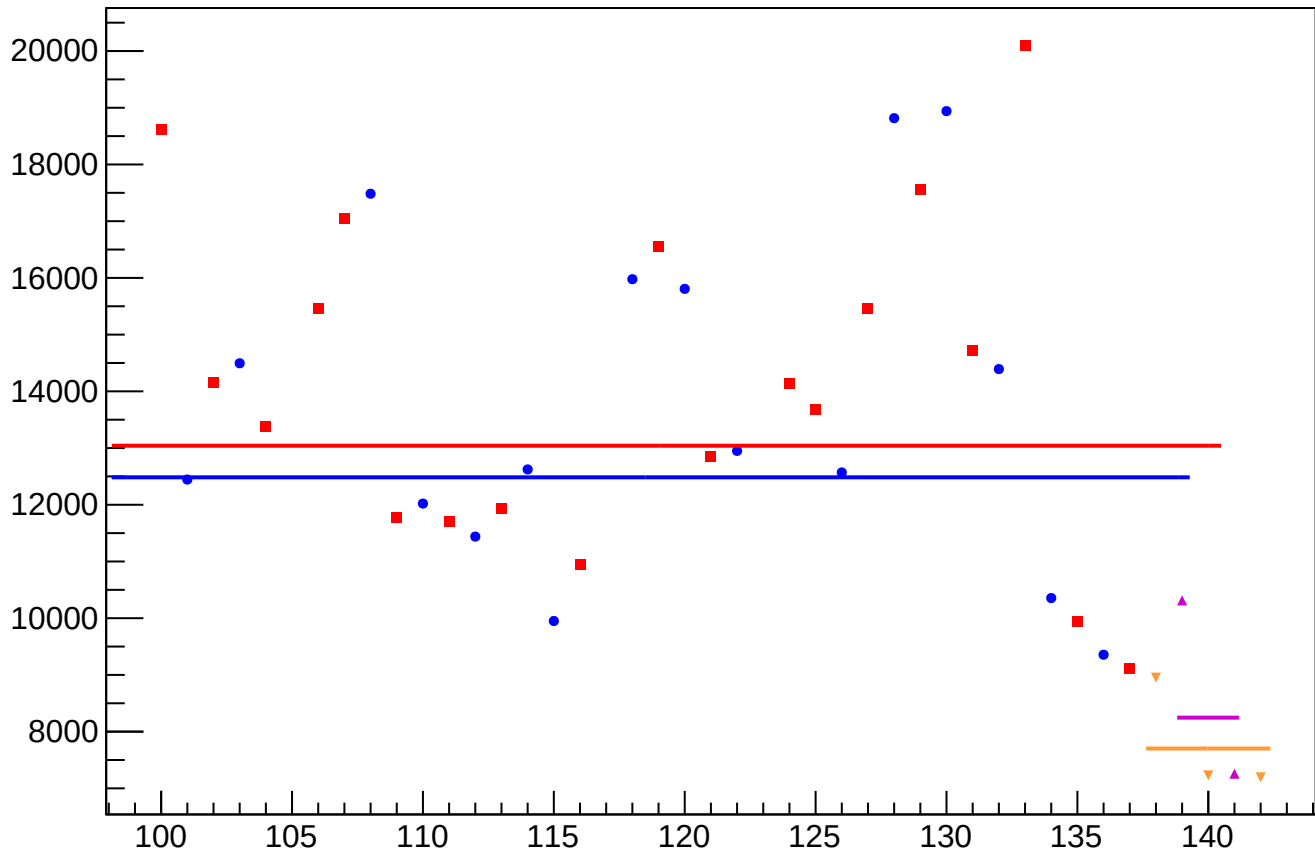
Left In: -5.284 ± 6.377 χ^2/NDF : 1.7/1

+ sign -4.830 ± 3.587 χ^2/NDF : 31.6/18

All: -6.499 ± 2.631 χ^2/NDF : 47.8/39

- sign -8.443 ± 3.872 χ^2/NDF : 15.8/20

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955 $\pm$ 3.379 χ^2 /NDF: 671560.0/15

Left Out: 7702.456 $\pm$ 3.838 χ^2 /NDF:41228.9/2

Right Out: 13041.241 $\pm$ 3.446 χ^2 /NDF: 544486.8/18

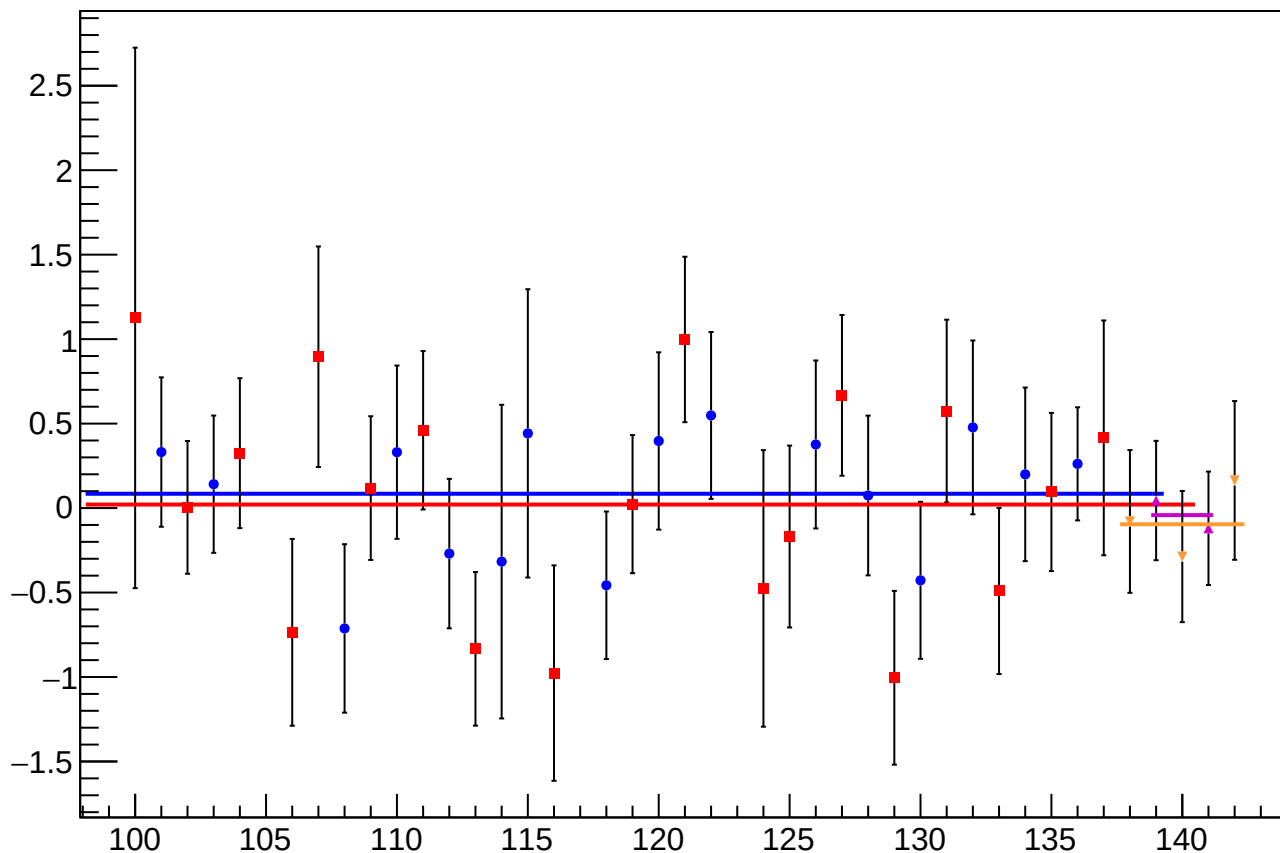
Left In: 8246.765 $\pm$ 4.509 χ^2 /NDF:100457.6/1

+ sign 10395.628 $\pm$ 2.536 χ^2 /NDF: 1587173.6/18

All: 10801.045 $\pm$ 1.861 χ^2 /NDF: 3001146.5/3

- sign 11273.562 $\pm$ 2.738 χ^2 /NDF: 1358637.3/20

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085 ± 0.120 χ^2/NDF : 9.4/15

Left Out: -0.096 ± 0.244 χ^2/NDF : 0.5/2

Right Out: 0.021 ± 0.117 χ^2/NDF : 24.3/18

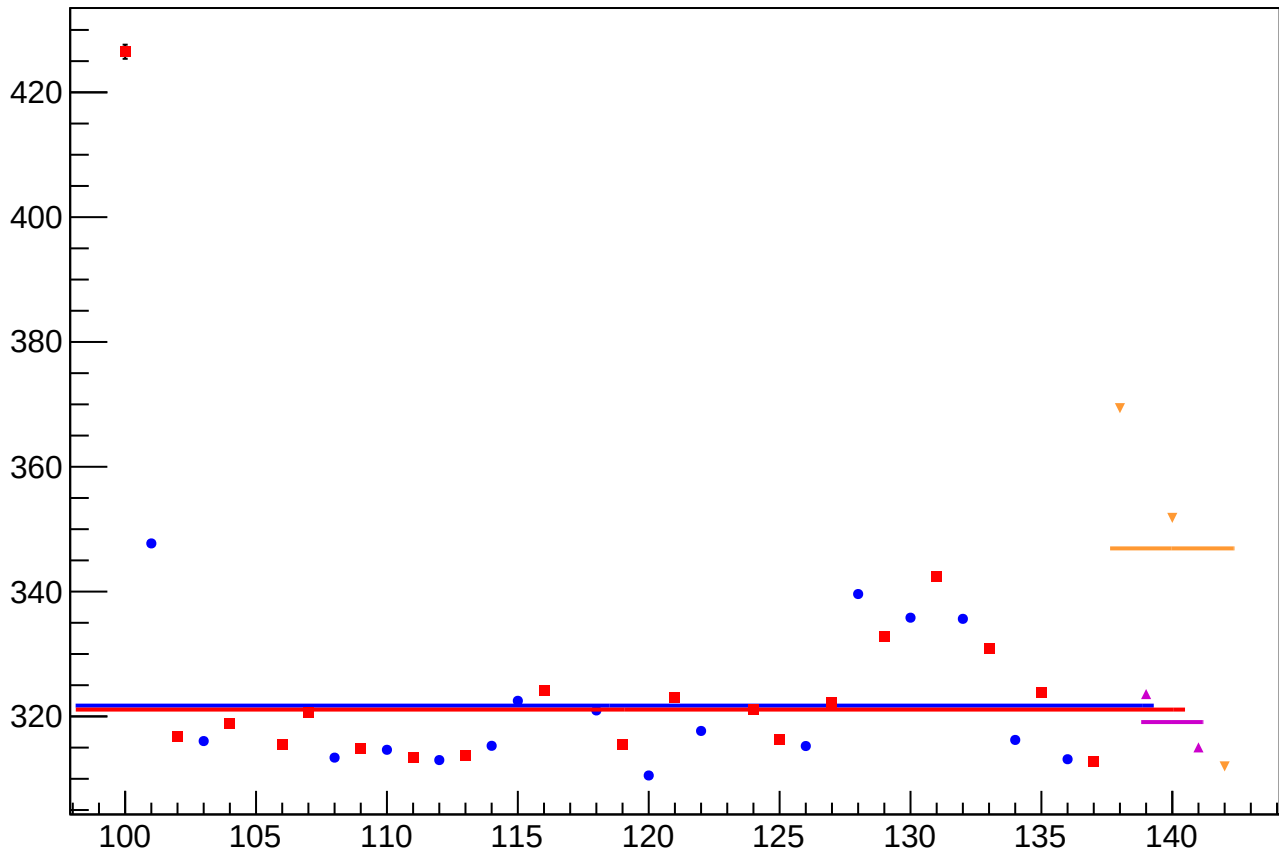
Left In: -0.042 ± 0.243 χ^2/NDF : 0.1/1

+ sign 0.050 ± 0.108 χ^2/NDF : 10.4/18

All: 0.029 ± 0.076 χ^2/NDF : 34.9/39

- sign 0.009 ± 0.106 χ^2/NDF : 24.5/20

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727 ± 0.085 χ^2/NDF : 18214.6/15

Left Out: 346.922 ± 0.173 χ^2/NDF : 17035.2/2

Right Out: 321.093 ± 0.083 χ^2/NDF : 16579.3/18

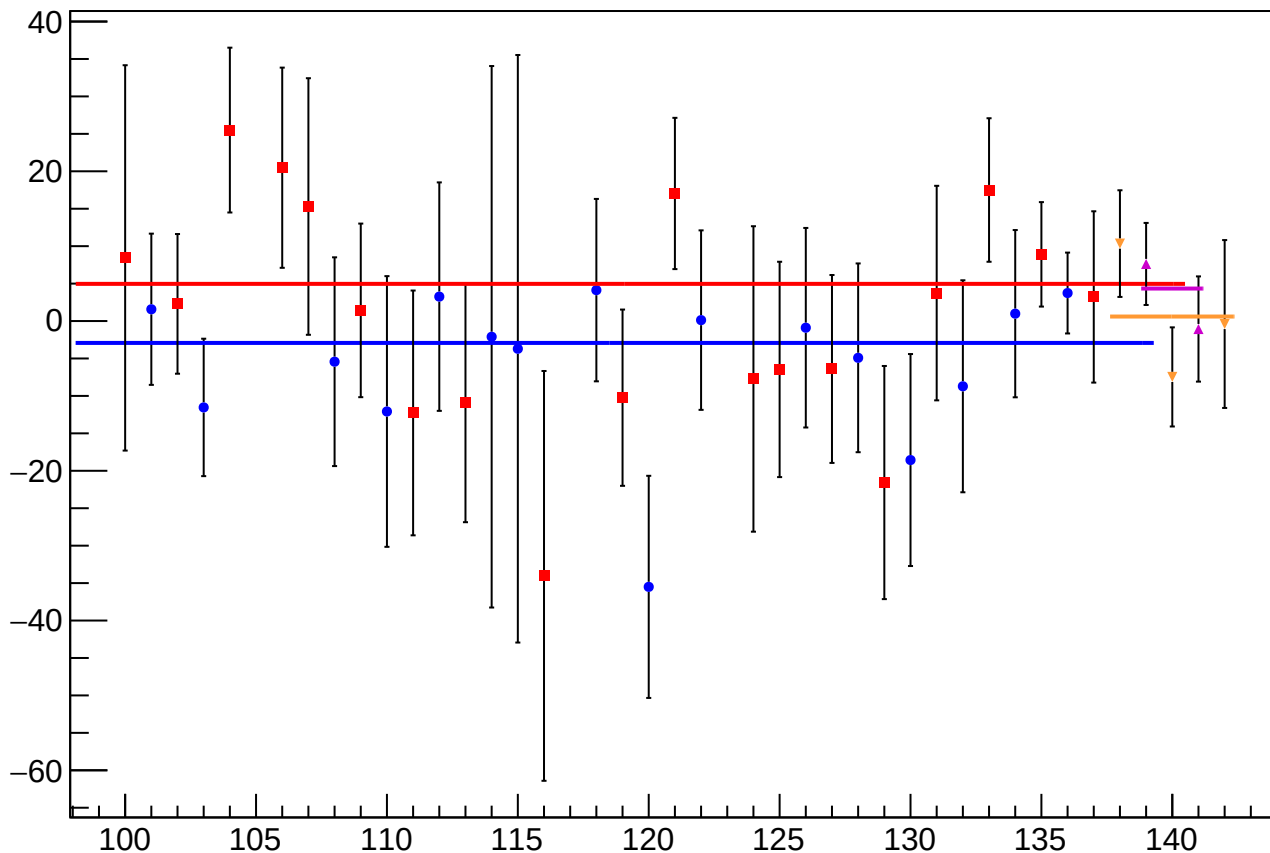
Left In: 319.092 ± 0.172 χ^2/NDF : 615.0/1

+ sign 326.639 ± 0.076 χ^2/NDF : 52391.1/18

All: 323.621 ± 0.053 χ^2/NDF : 72771.2/39

- sign 320.714 ± 0.075 χ^2/NDF : 17303.9/20

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922 ± 2.910 $\chi^2/\text{NDF}: 9.8/15$

Left Out: 0.602 ± 4.450 $\chi^2/\text{NDF}: 3.4/2$

Right Out: 4.965 ± 2.824 $\chi^2/\text{NDF}: 19.4/18$

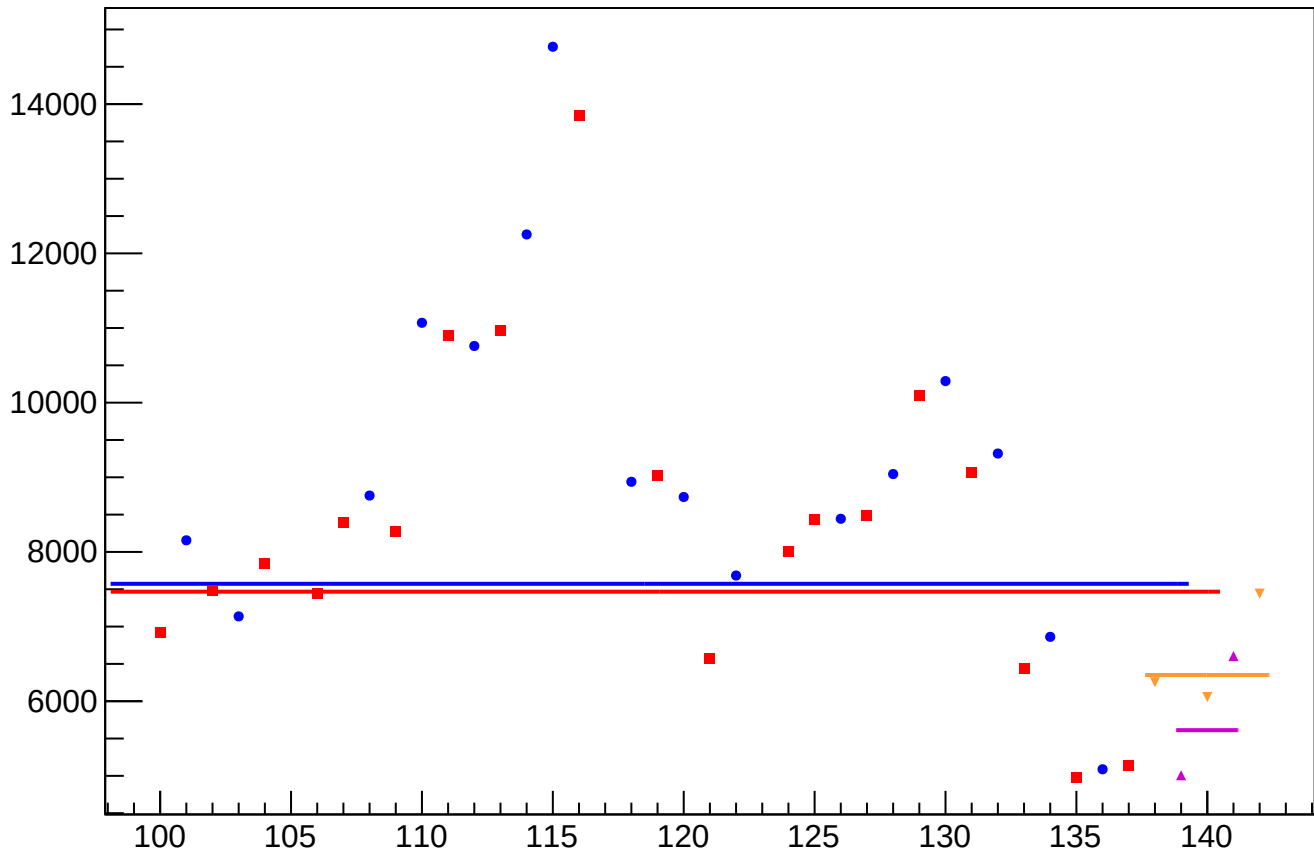
Left In: 4.339 ± 4.321 $\chi^2/\text{NDF}: 1.0/1$

+ sign -1.866 ± 2.436 $\chi^2/\text{NDF}: 13.6/18$

All: 1.555 ± 1.696 $\chi^2/\text{NDF}: 37.9/39$

- sign 4.778 ± 2.364 $\chi^2/\text{NDF}: 20.4/20$

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF : 897588.4/15

Left Out: 6351.301+/-3.147 χ^2/NDF : 23254.1/2

Right Out: 7467.477+/-1.997 χ^2/NDF : 828353.3/18

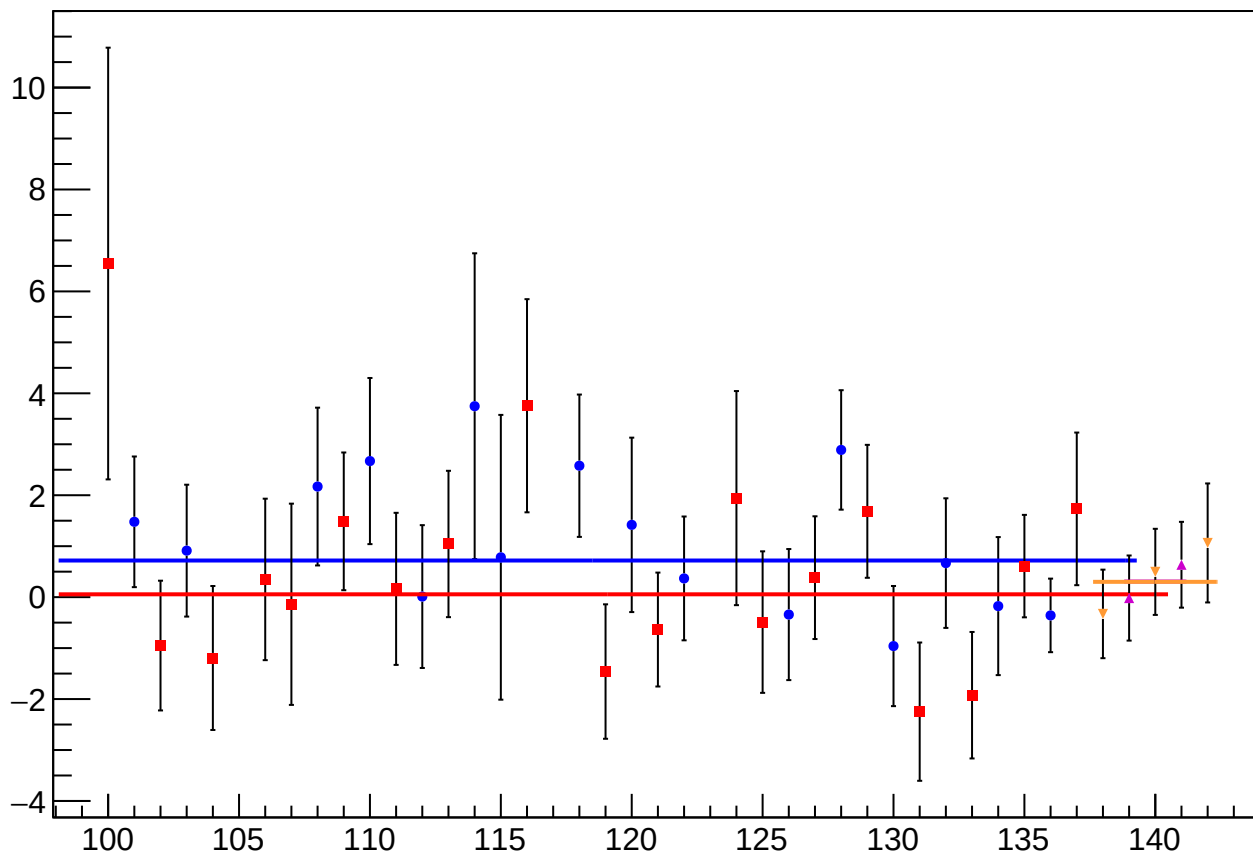
Left In: 5612.114+/-3.055 χ^2/NDF : 64238.3/1

+ sign 7207.126+/-1.722 χ^2/NDF : 1026450.0/18

All: 7055.234+/-1.199 χ^2/NDF : 2192534.8/39

- sign 6912.166+/-1.672 χ^2/NDF : 1150981.0/20

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719 ± 0.326 χ^2/NDF : 14.8/15

Left Out: 0.300 ± 0.538 χ^2/NDF : 1.0/2

Right Out: 0.056 ± 0.323 χ^2/NDF : 19.8/18

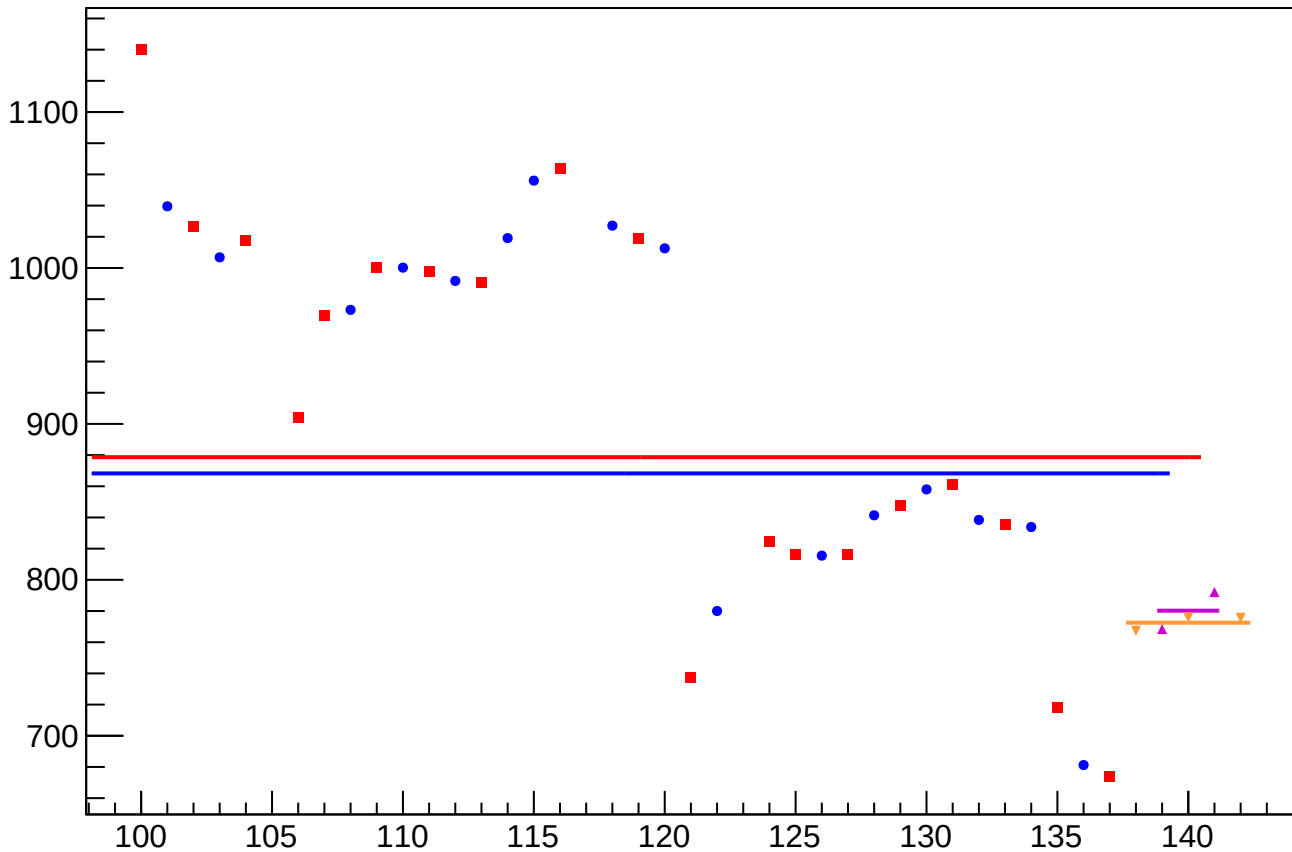
Left In: 0.306 ± 0.593 χ^2/NDF : 0.3/1

+ sign 0.606 ± 0.279 χ^2/NDF : 16.2/18

All: 0.364 ± 0.199 χ^2/NDF : 38.0/39

- sign 0.113 ± 0.284 χ^2/NDF : 20.3/20

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253 $\pm$ 0.230 χ^2 /NDF: 302409.6/15

Left Out: 772.525 $\pm$ 0.380 χ^2 /NDF:115.9/2

Right Out: 878.658 $\pm$ 0.229 χ^2 /NDF: 272530.7/18

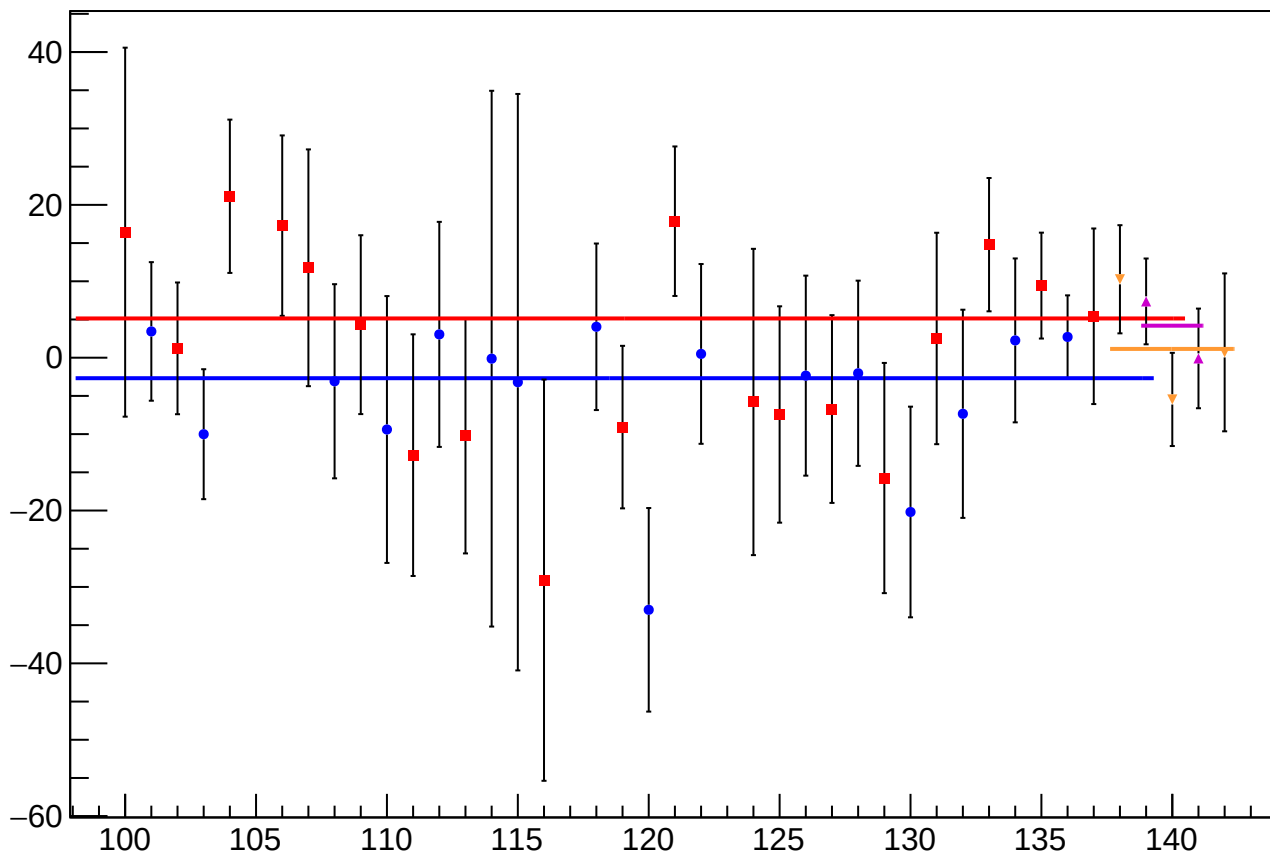
Left In: 780.223 $\pm$ 0.419 χ^2 /NDF:801.8/1

+ sign 842.527 $\pm$ 0.197 χ^2 /NDF: 348892.5/18

All: 849.186 $\pm$ 0.141 χ^2 /NDF: 667033.3/39

- sign 856.095 $\pm$ 0.201 χ^2 /NDF: 315814.6/20

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683 ± 2.788 χ^2/NDF : 10.1/15

Left Out: 1.149 ± 4.217 χ^2/NDF : 2.8/2

Right Out: 5.136 ± 2.692 χ^2/NDF : 17.3/18

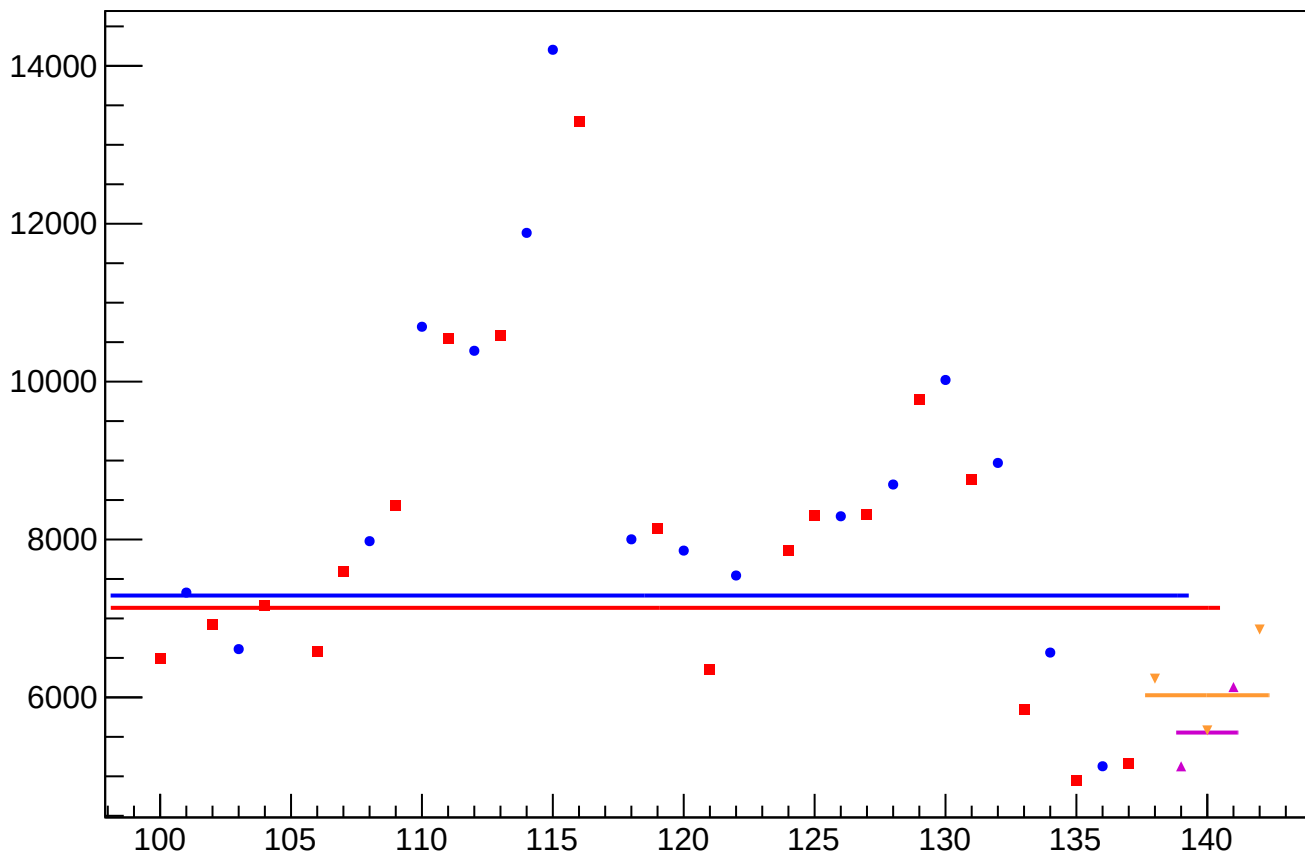
Left In: 4.190 ± 4.254 χ^2/NDF : 0.8/1

+ sign -1.518 ± 2.326 χ^2/NDF : 13.5/18

All: 1.745 ± 1.626 χ^2/NDF : 35.4/39

- sign 4.866 ± 2.275 χ^2/NDF : 18.0/20

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF : 770518.2/15

Left Out: 6027.122+/-2.982 χ^2/NDF : 25432.8/2

Right Out: 7134.411+/-1.903 χ^2/NDF : 792788.1/18

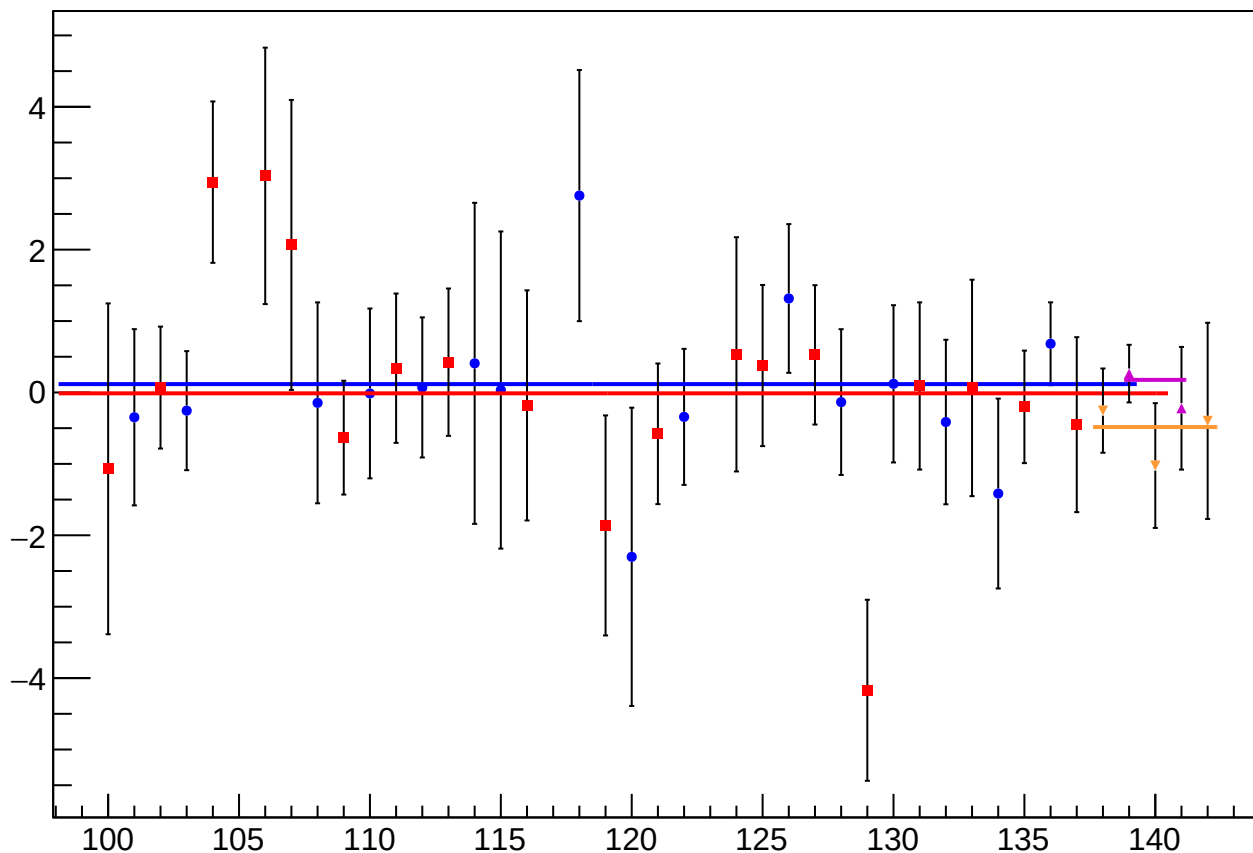
Left In: 5554.404+/-3.008 χ^2/NDF : 27243.2/1

+ sign 6906.088+/-1.645 χ^2/NDF : 920787.9/18

All: 6791.908+/-1.150 χ^2/NDF : 1947237.0/39

- sign 6682.687+/-1.609 χ^2/NDF : 1017018.6/20

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117 ± 0.273 χ^2/NDF : 8.1/15

Left Out: -0.484 ± 0.461 χ^2/NDF : 0.5/2

Right Out: -0.012 ± 0.263 χ^2/NDF : 25.2/18

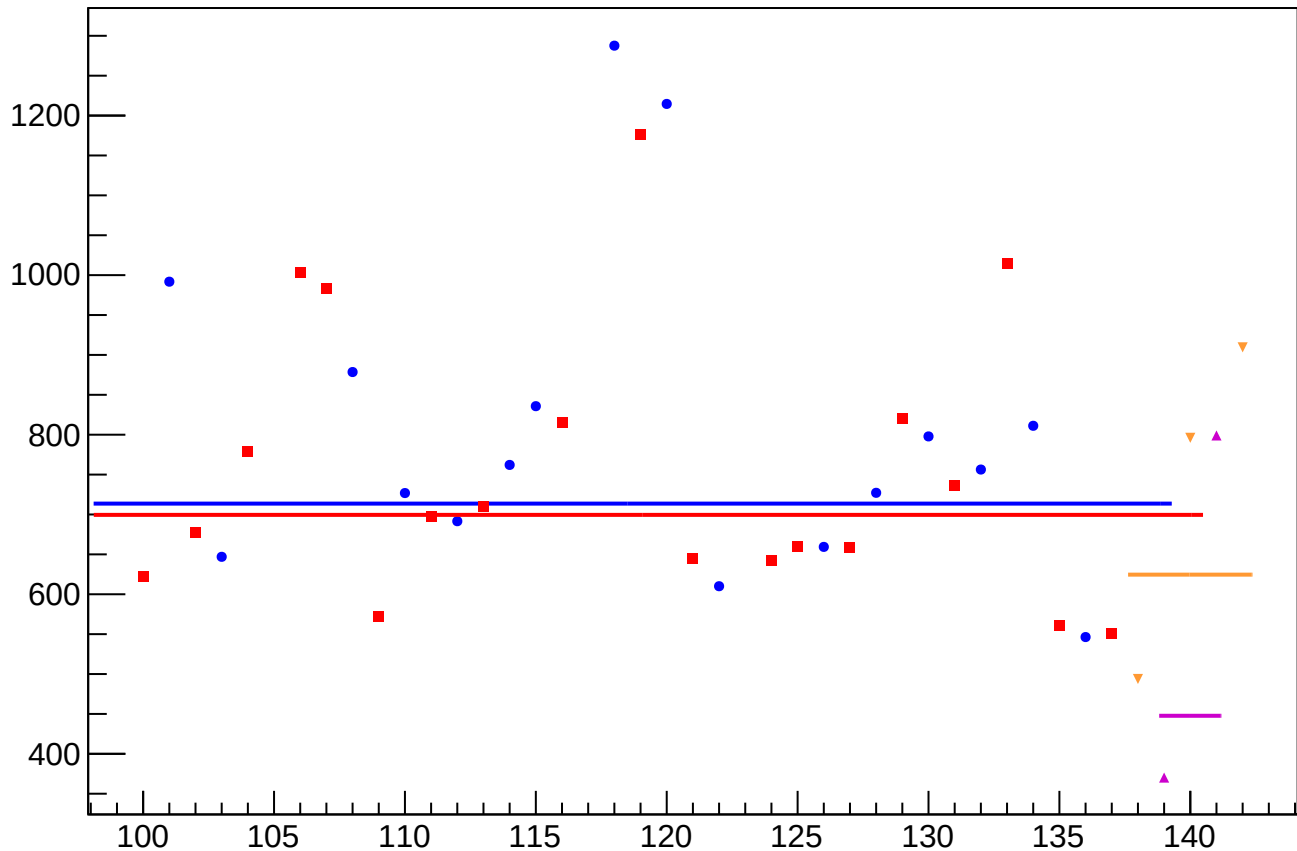
Left In: 0.176 ± 0.365 χ^2/NDF : 0.3/1

+ sign -0.039 ± 0.235 χ^2/NDF : 9.9/18

All: 0.011 ± 0.158 χ^2/NDF : 35.6/39

- sign 0.052 ± 0.213 χ^2/NDF : 25.6/20

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627 $\pm$ 0.193 χ^2/NDF : 699303.9/15

Left Out: 624.591 $\pm$ 0.326 χ^2/NDF : 261431.2/2

Right Out: 699.502 $\pm$ 0.186 χ^2/NDF : 575759.9/18

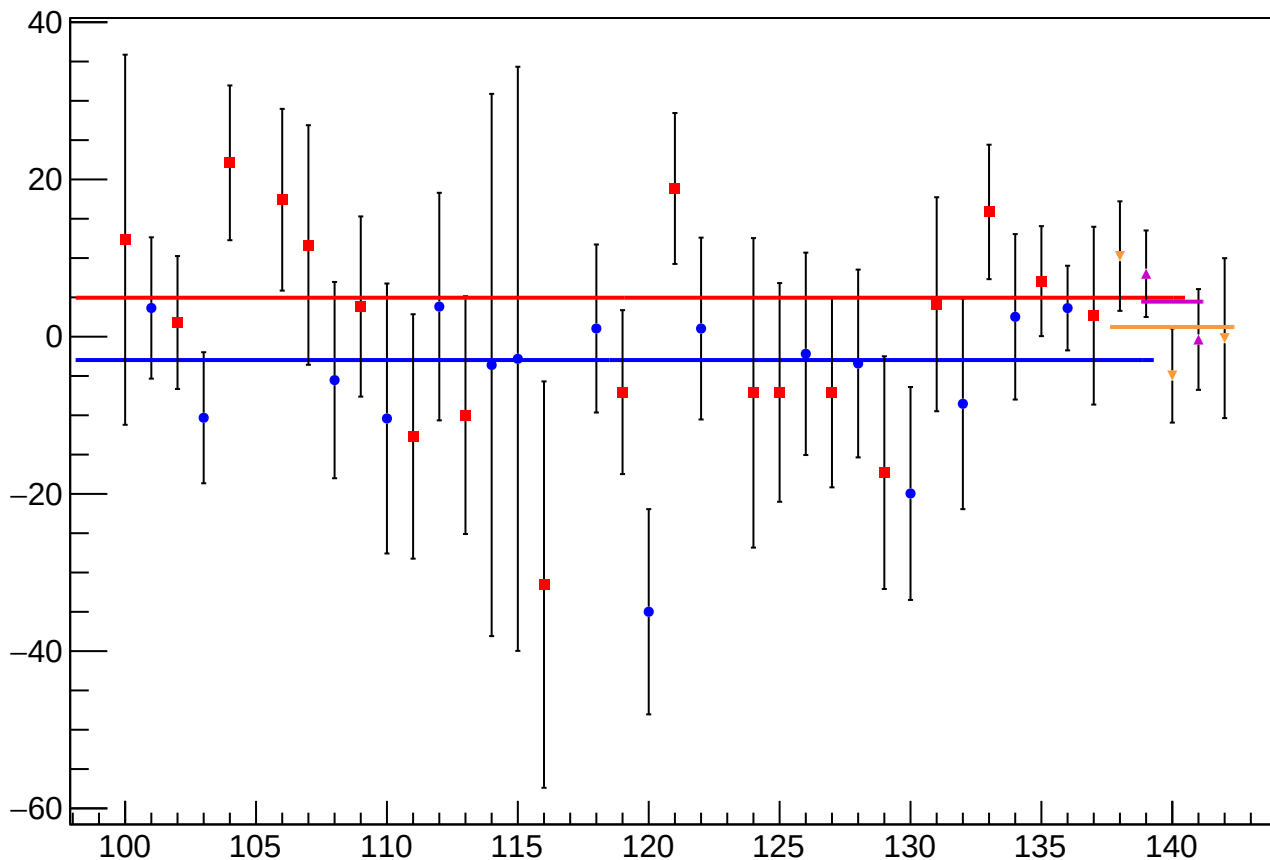
Left In: 447.682 $\pm$ 0.258 χ^2/NDF : 408474.3/1

+ sign 690.458 $\pm$ 0.166 χ^2/NDF : 1016028.7/18

All: 648.231 $\pm$ 0.112 χ^2/NDF : 2744441.2/39

- sign 613.363 $\pm$ 0.151 χ^2/NDF : 1610461.2/20

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974 ± 2.746 χ^2/NDF : 11.6/15

Left Out: 1.232 ± 4.147 χ^2/NDF : 2.8/2

Right Out: 4.955 ± 2.653 χ^2/NDF : 18.5/18

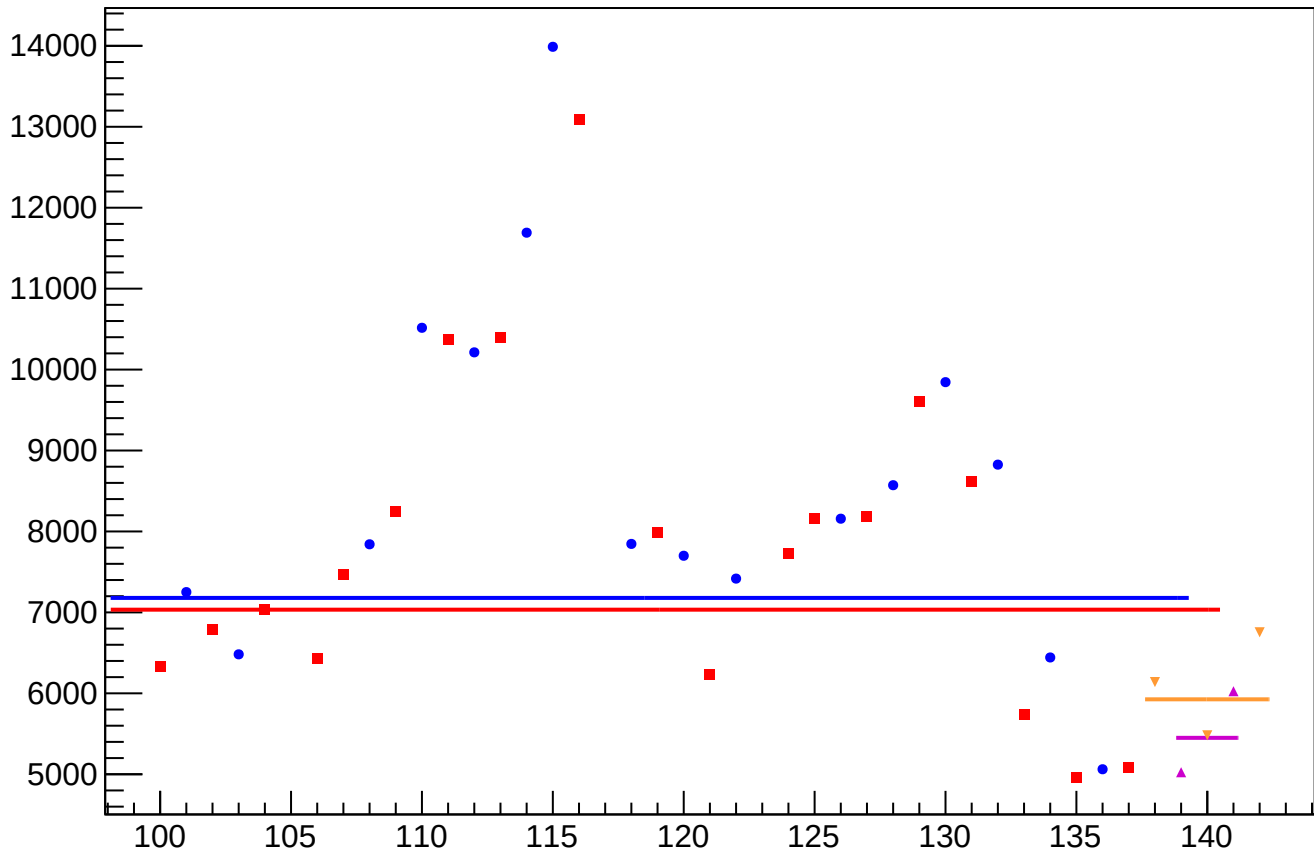
Left In: 4.456 ± 4.176 χ^2/NDF : 1.0/1

+ sign -1.692 ± 2.290 χ^2/NDF : 15.0/18

All: 1.632 ± 1.601 χ^2/NDF : 38.6/39

- sign 4.812 ± 2.239 χ^2/NDF : 19.5/20

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF : 761936.2/15

Left Out: 5925.895+/-2.933 χ^2/NDF : 26151.4/2

Right Out: 7033.538+/-1.876 χ^2/NDF : 766389.2/18

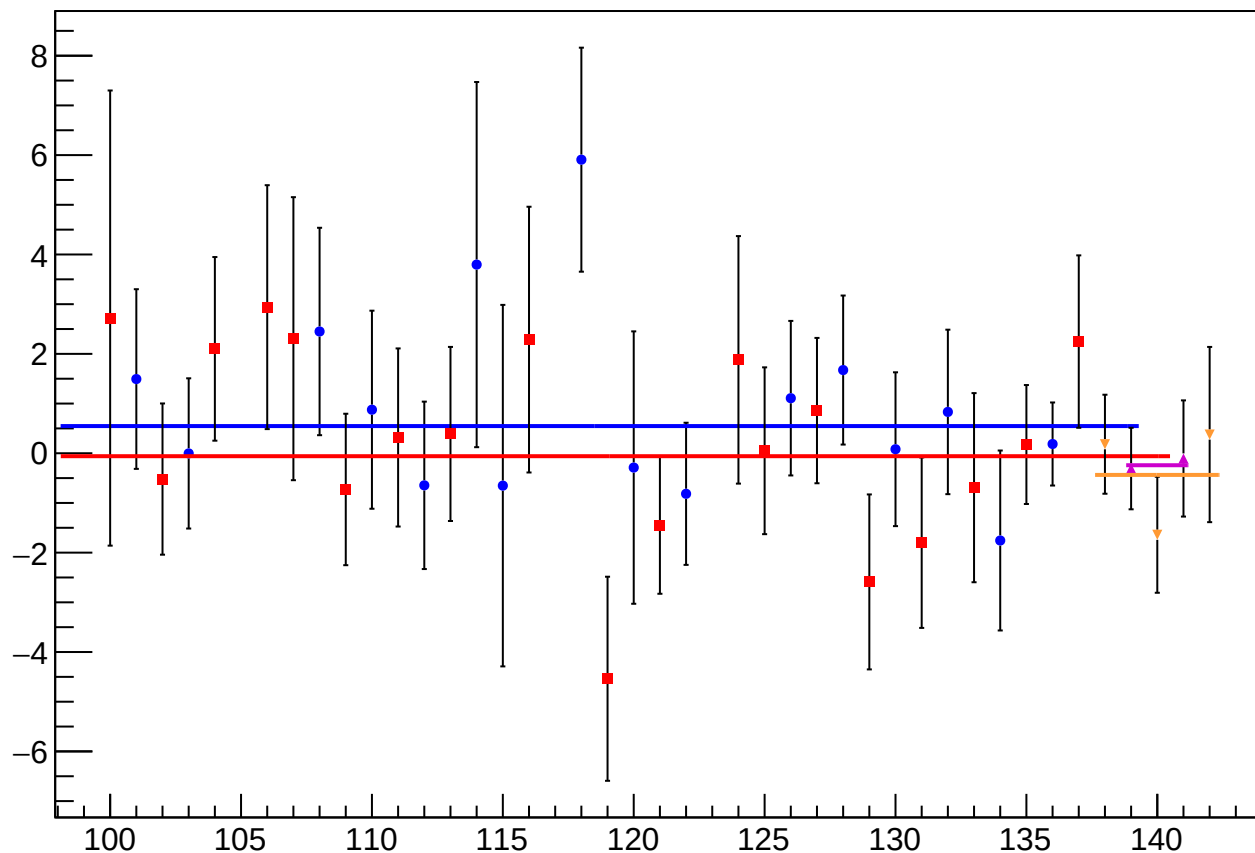
Left In: 5449.987+/-2.953 χ^2/NDF : 28074.6/1

+ sign 6797.017+/-1.619 χ^2/NDF : 915008.6/18

All: 6685.120+/-1.132 χ^2/NDF : 1923732.0/39

- sign 6578.082+/-1.583 χ^2/NDF : 999377.3/20

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547 ± 0.411 χ^2/NDF : 11.9/15

Left Out: -0.436 ± 0.696 χ^2/NDF : 1.7/2

Right Out: -0.059 ± 0.409 χ^2/NDF : 16.9/18

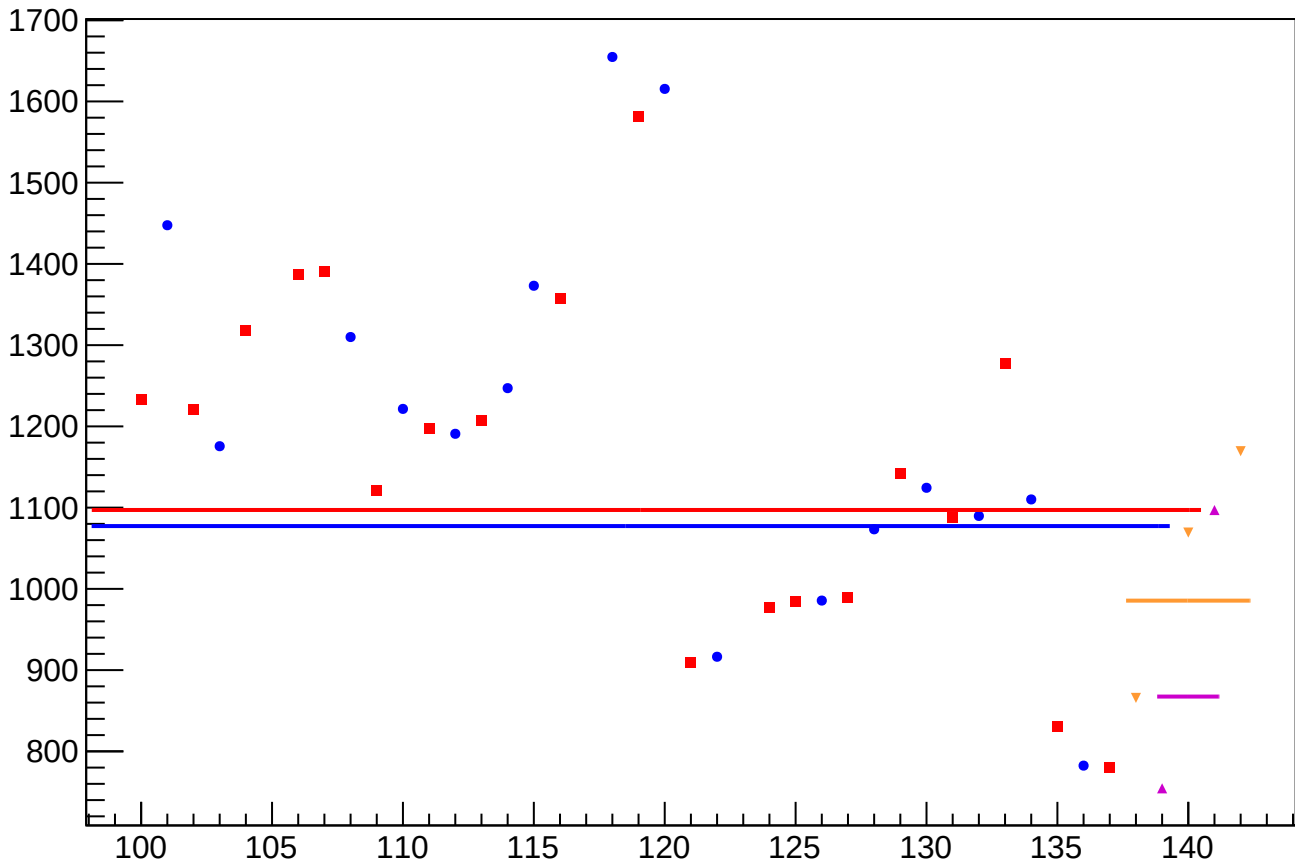
Left In: -0.241 ± 0.671 χ^2/NDF : 0.0/1

+ sign 0.293 ± 0.354 χ^2/NDF : 15.1/18

All: 0.090 ± 0.249 χ^2/NDF : 32.7/39

- sign -0.108 ± 0.349 χ^2/NDF : 16.9/20

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF : 646521.7/15

Left Out: 985.522+/-0.492 χ^2/NDF : 60955.0/2

Right Out: 1097.108+/-0.289 χ^2/NDF : 484370.7/18

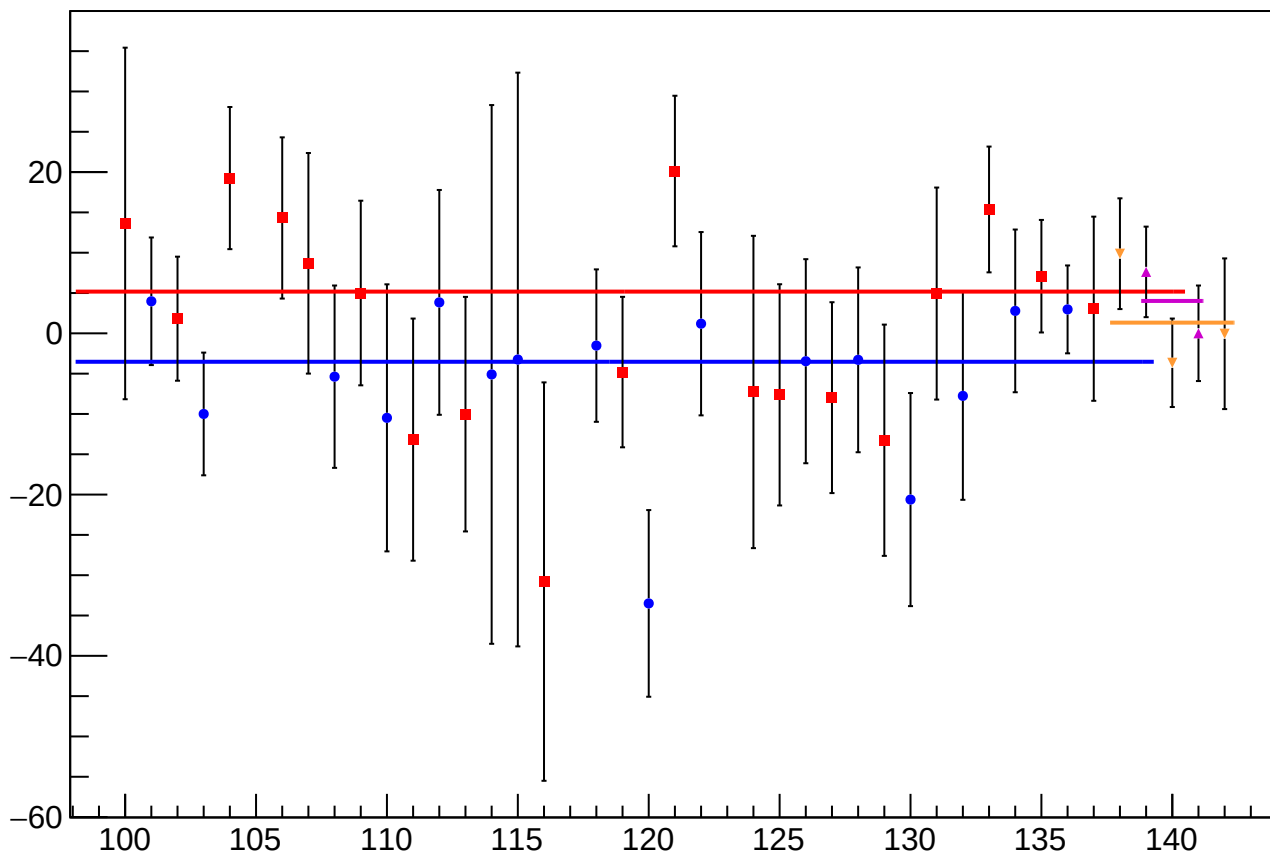
Left In: 867.432+/-0.475 χ^2/NDF : 115075.0/1

+ sign 1053.597+/-0.250 χ^2/NDF : 733256.4/18

All: 1044.162+/-0.176 χ^2/NDF : 1506252.7/39

- sign 1034.975+/-0.247 χ^2/NDF : 770189.9/20

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527 ± 2.608 χ^2/NDF : 12.6/15

Left Out: 1.328 ± 3.897 χ^2/NDF : 2.4/2

Right Out: 5.176 ± 2.508 χ^2/NDF : 18.2/18

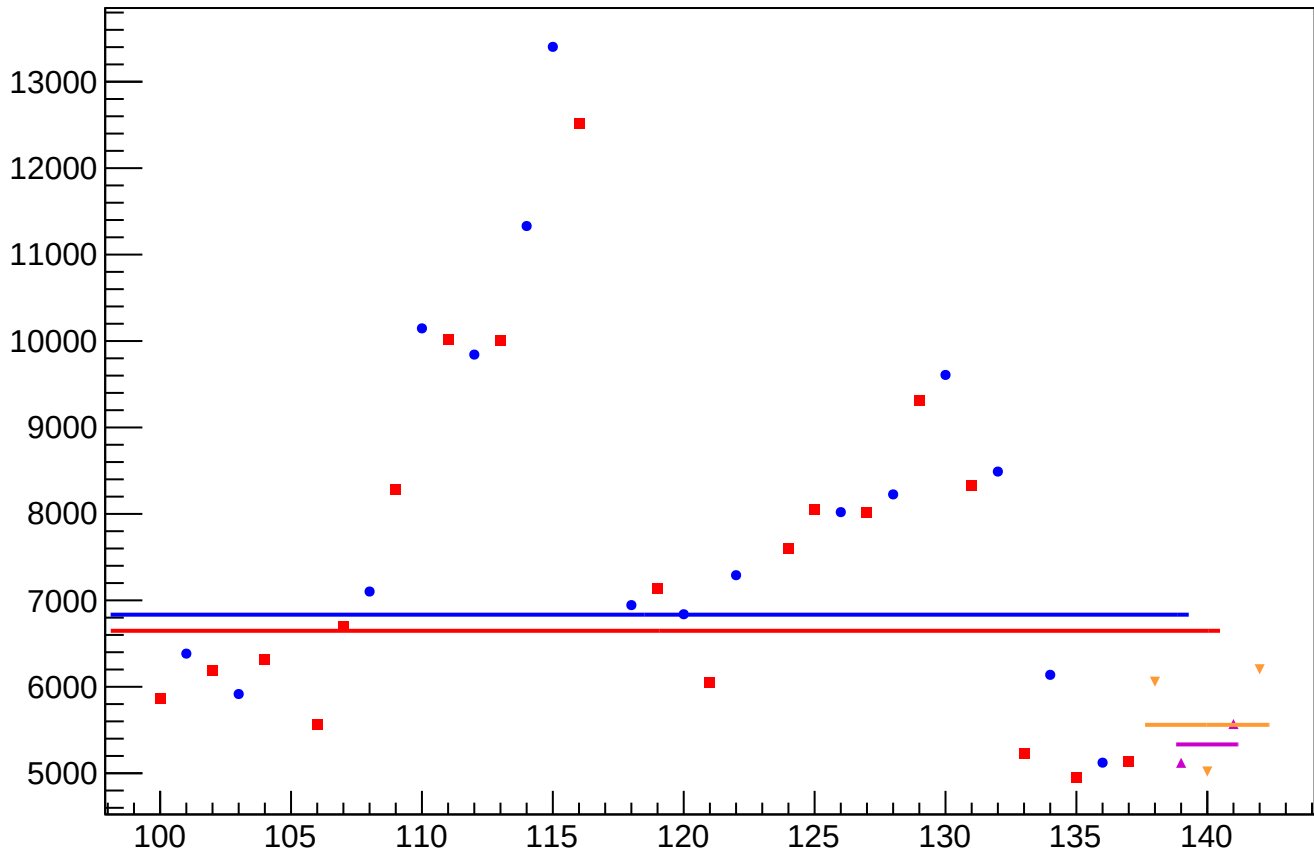
Left In: 4.018 ± 4.076 χ^2/NDF : 0.9/1

+ sign -2.025 ± 2.167 χ^2/NDF : 16.1/18

All: 1.467 ± 1.521 χ^2/NDF : 40.3/39

- sign 4.858 ± 2.136 χ^2/NDF : 19.1/20

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF : 692722.6/15

Left Out: 5559.915+/-2.755 χ^2/NDF : 39388.2/2

Right Out: 6647.996+/-1.773 χ^2/NDF : 785102.6/18

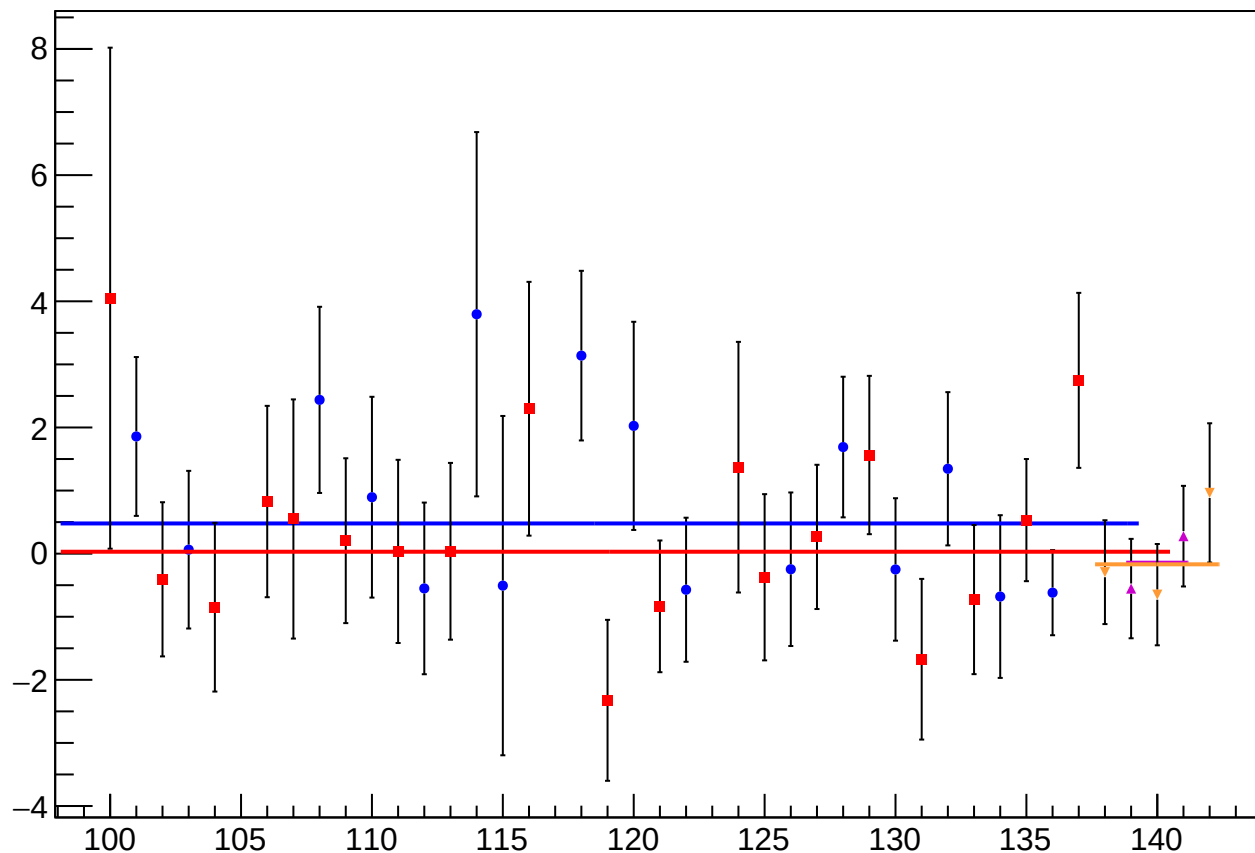
Left In: 5333.381+/-2.882 χ^2/NDF : 6049.9/1

+ sign 6440.058+/-1.533 χ^2/NDF : 879849.4/18

All: 6362.370+/-1.076 χ^2/NDF : 1826999.2/39

- sign 6286.924+/-1.510 χ^2/NDF : 942085.1/20

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479 ± 0.311 χ^2/NDF : 16.7/15

Left Out: -0.169 ± 0.510 χ^2/NDF : 1.4/2

Right Out: 0.030 ± 0.309 χ^2/NDF : 15.7/18

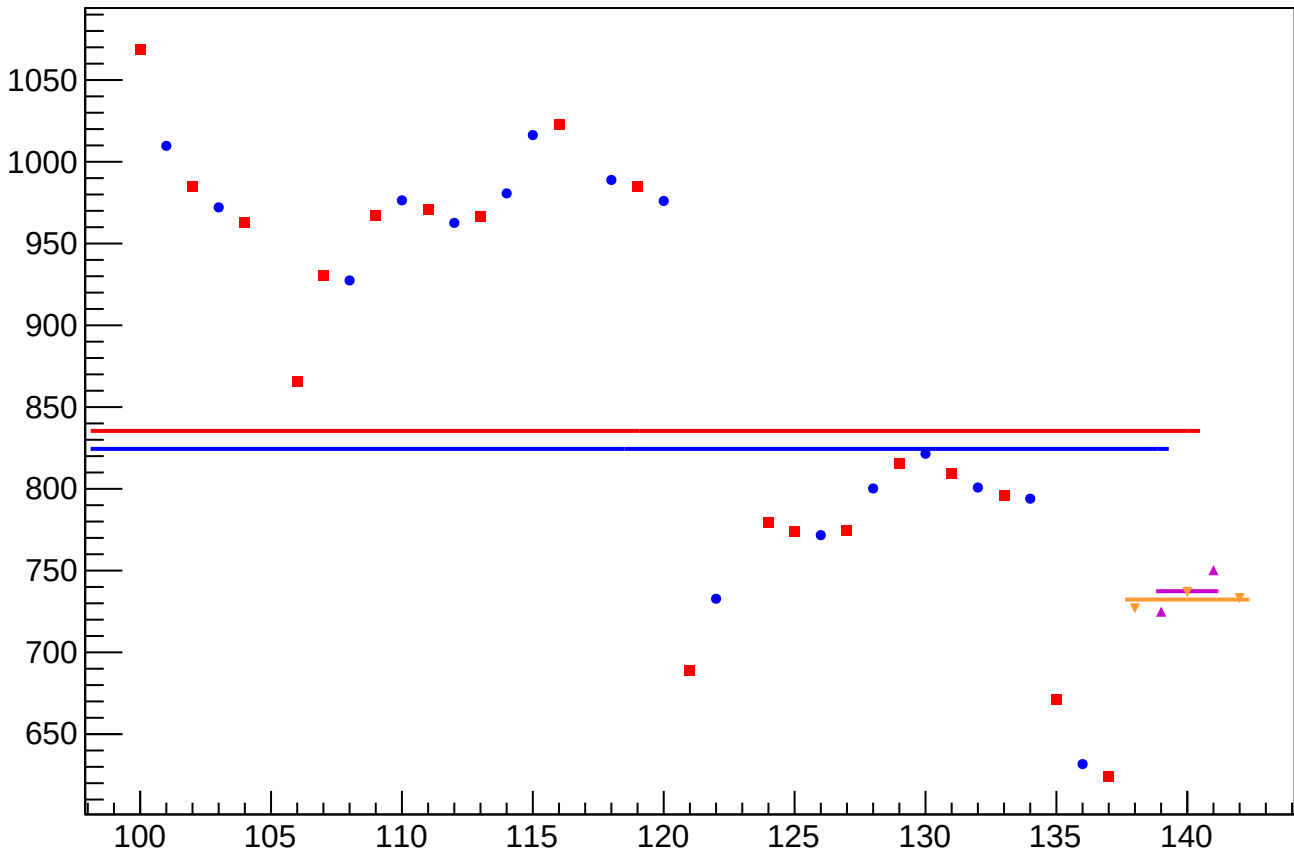
Left In: -0.143 ± 0.560 χ^2/NDF : 0.5/1

+ sign 0.303 ± 0.265 χ^2/NDF : 19.3/18

All: 0.150 ± 0.189 χ^2/NDF : 36.4/39

- sign -0.010 ± 0.270 χ^2/NDF : 16.3/20

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431 ± 0.220 χ^2/NDF : 365461.7/15

Left Out: 732.285 ± 0.360 χ^2/NDF : 155.3/2

Right Out: 835.437 ± 0.218 χ^2/NDF : 319302.1/18

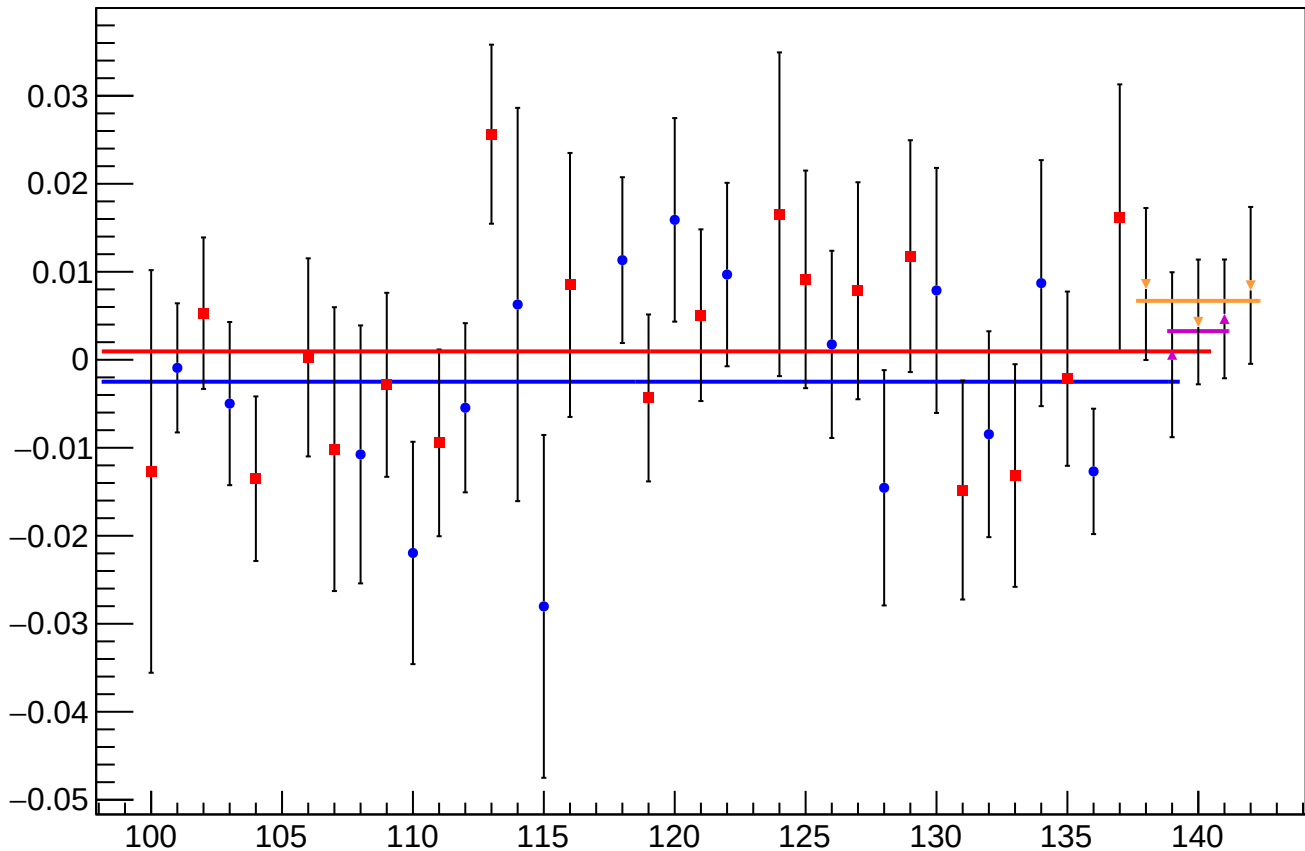
Left In: 737.412 ± 0.396 χ^2/NDF : 1023.6/1

+ sign 799.459 ± 0.188 χ^2/NDF : 413260.8/18

All: 805.927 ± 0.134 χ^2/NDF : 782959.4/39

- sign 812.638 ± 0.191 χ^2/NDF : 367277.6/20

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002 ± 0.003 χ^2/NDF : 15.3/15

Left Out: 0.007 ± 0.005 χ^2/NDF : 0.2/2

Right Out: 0.001 ± 0.003 χ^2/NDF : 17.3/18

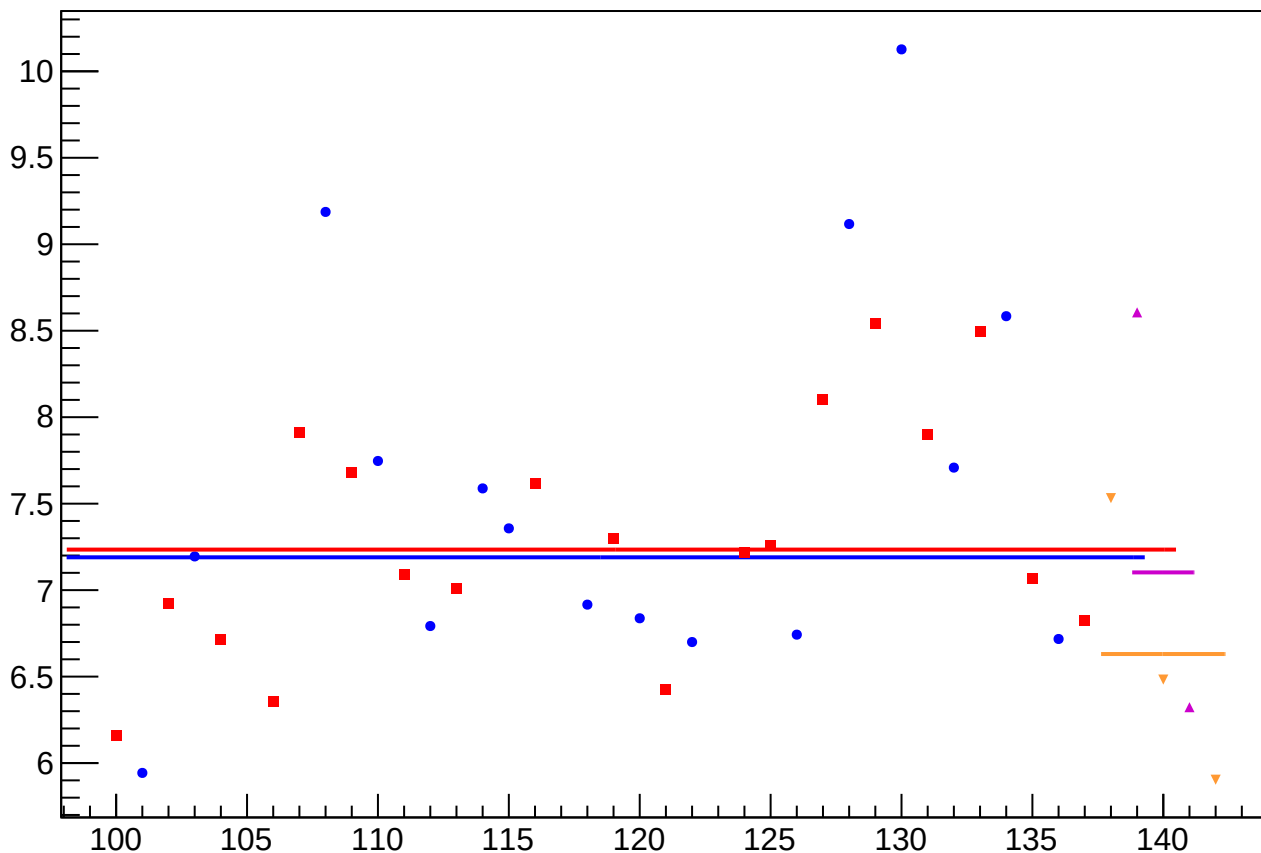
Left In: 0.003 ± 0.005 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.002 χ^2/NDF : 18.4/18

All: 0.001 ± 0.002 χ^2/NDF : 36.2/39

- sign 0.001 ± 0.002 χ^2/NDF : 17.6/20

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190 $\pm$ 0.002 χ^2 /NDF: 277639.9/15

Left Out: 6.631 $\pm$ 0.003 χ^2 /NDF: 35943.2/2

Right Out: 7.234 $\pm$ 0.002 χ^2 /NDF: 106266.0/18

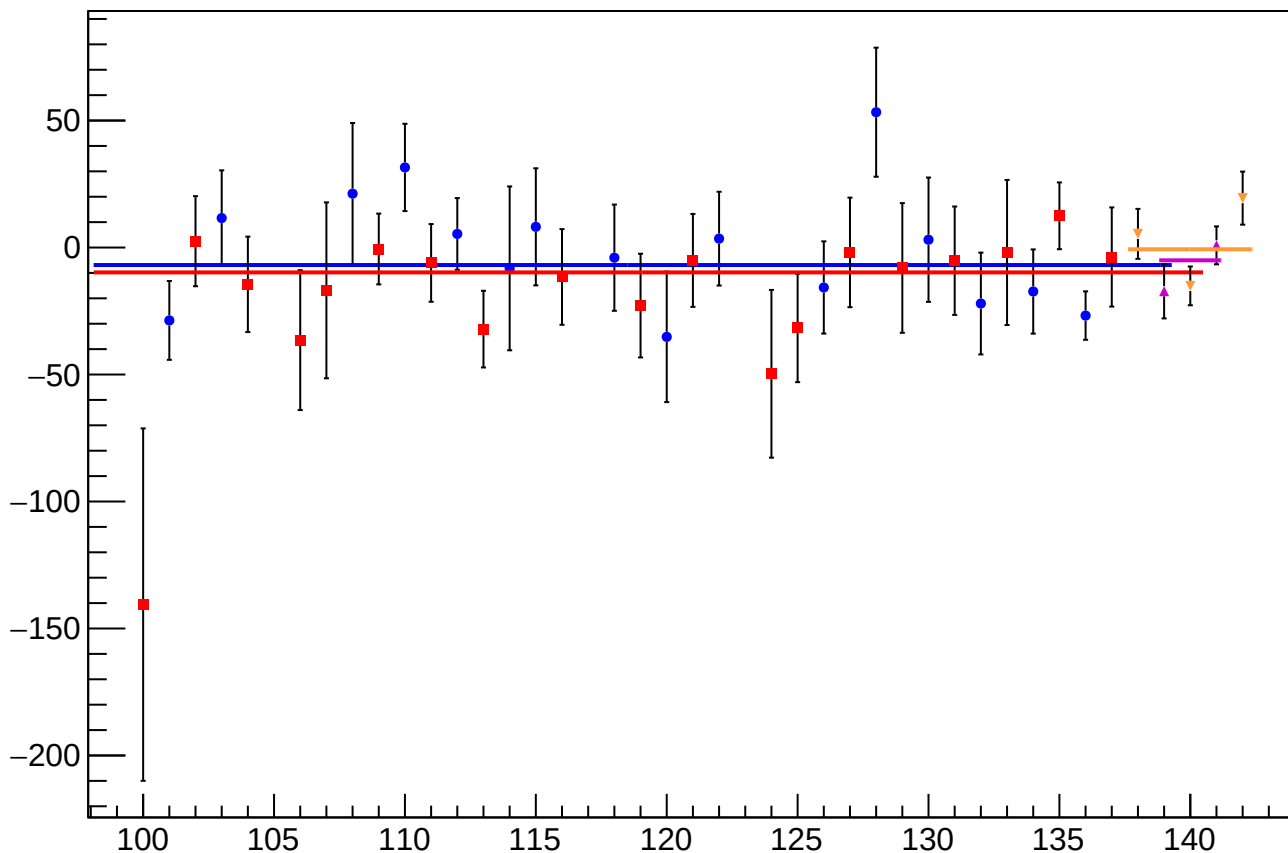
Left In: 7.102 $\pm$ 0.004 χ^2 /NDF: 78168.4/1

+ sign 7.049 $\pm$ 0.002 χ^2 /NDF: 335052.1/18

All: 7.127 $\pm$ 0.001 χ^2 /NDF: 525012.3/39

- sign 7.209 $\pm$ 0.002 χ^2 /NDF: 185373.7/20

diff_targ_positionX_mean vs Slug



Right In: -6.891 ± 4.488 $\chi^2/\text{NDF}: 23.0/15$

Left Out: -0.685 ± 5.223 $\chi^2/\text{NDF}: 7.7/2$

Right Out: -9.790 ± 4.517 $\chi^2/\text{NDF}: 14.0/18$

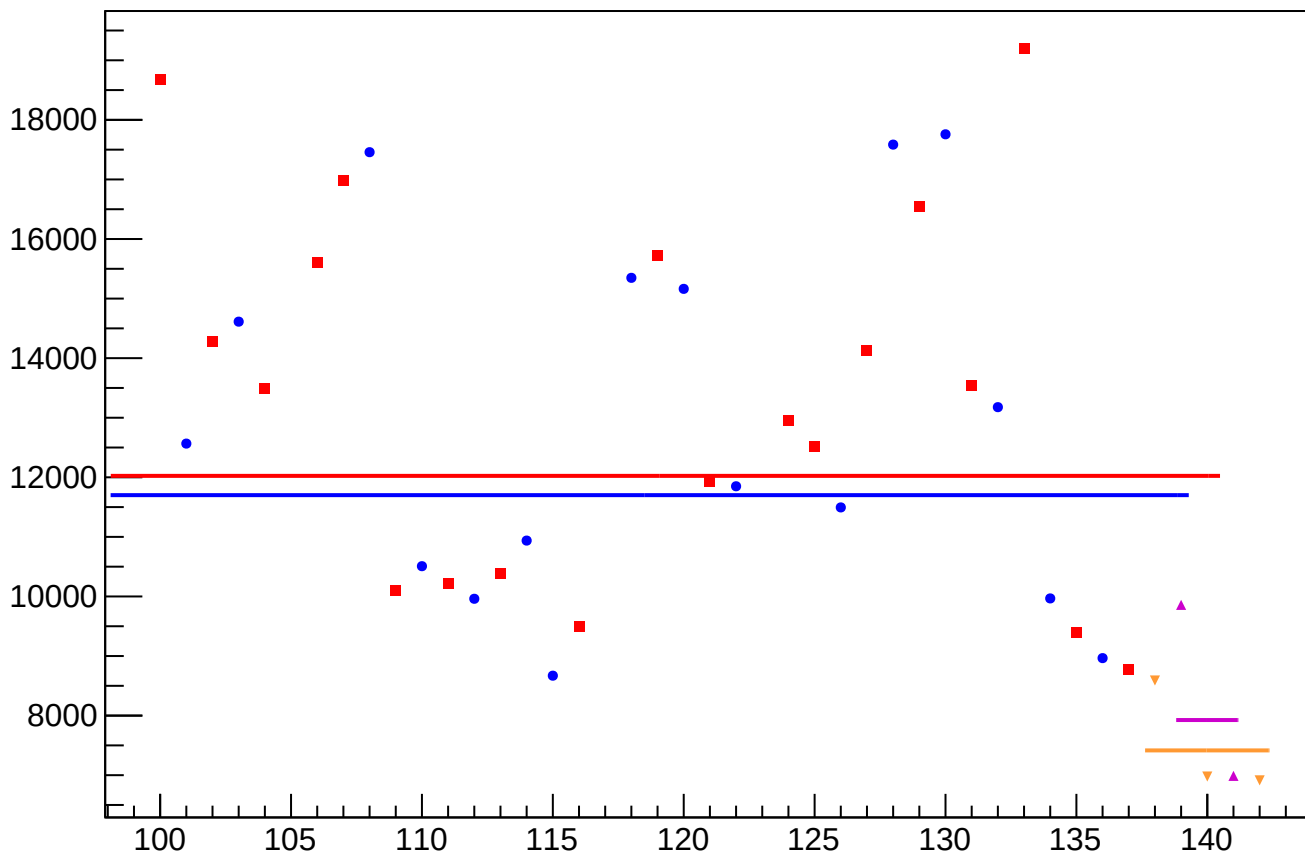
Left In: -5.036 ± 6.125 $\chi^2/\text{NDF}: 1.9/1$

+ sign -4.255 ± 3.404 $\chi^2/\text{NDF}: 31.5/18$

All: -6.058 ± 2.485 $\chi^2/\text{NDF}: 48.4/39$

- sign -8.115 ± 3.636 $\chi^2/\text{NDF}: 16.3/20$

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF : 740185.3/15

Left Out: 7415.799+/-3.693 χ^2/NDF :39695.9/2

Right Out: 12024.262+/-3.194 χ^2/NDF : 684788.9/18

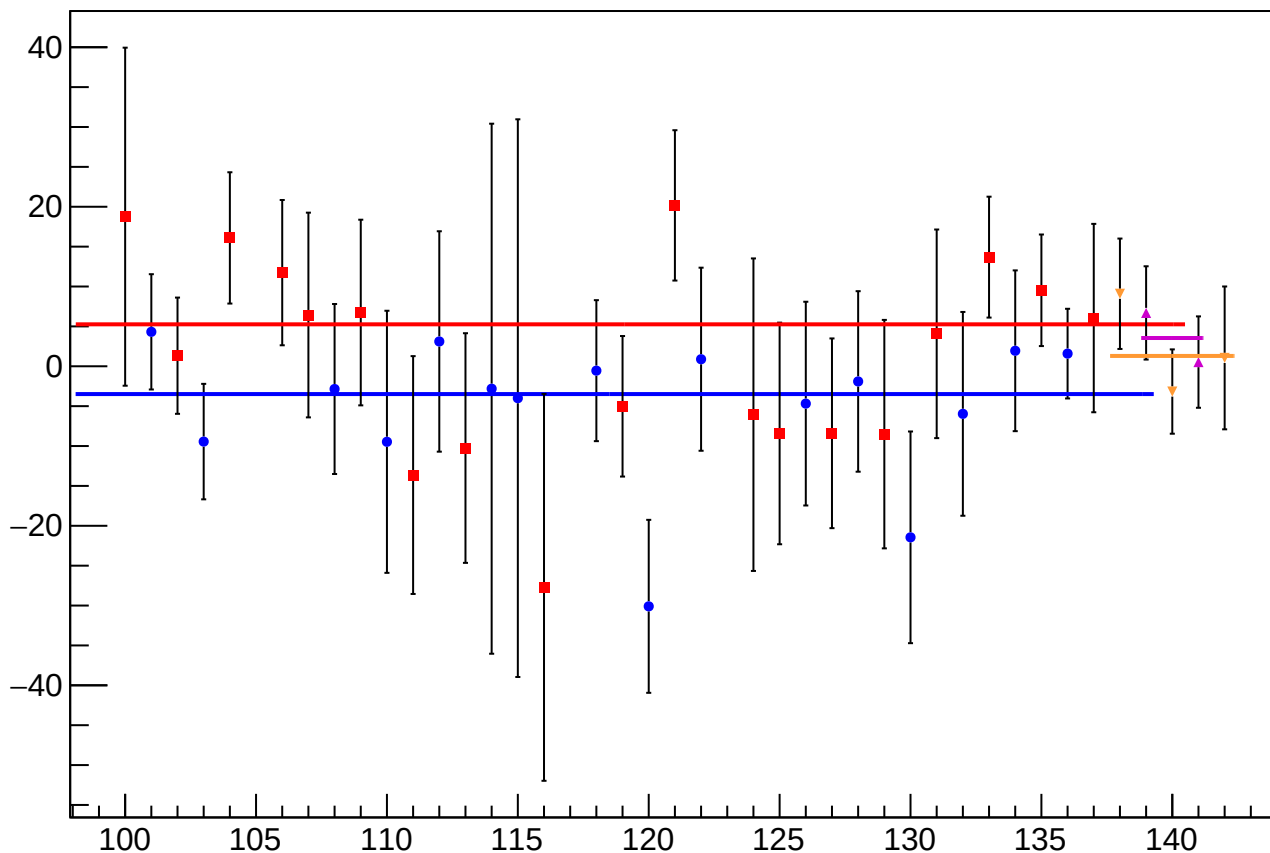
Left In: 7925.608+/-4.331 χ^2/NDF :96592.8/1

+ sign 9880.569+/-2.407 χ^2/NDF : 1554119.6/18

All: 10207.437+/-1.757 χ^2/NDF : 2955031.9/3

- sign 10580.250+/-2.571 χ^2/NDF : 1361440.5/20

diff_targ_positionY_mean vs Slug



Right In: -3.485 ± 2.550 χ^2/NDF : 11.5/15

Left Out: 1.296 ± 3.803 χ^2/NDF : 2.0/2

Right Out: 5.259 ± 2.446 χ^2/NDF : 16.6/18

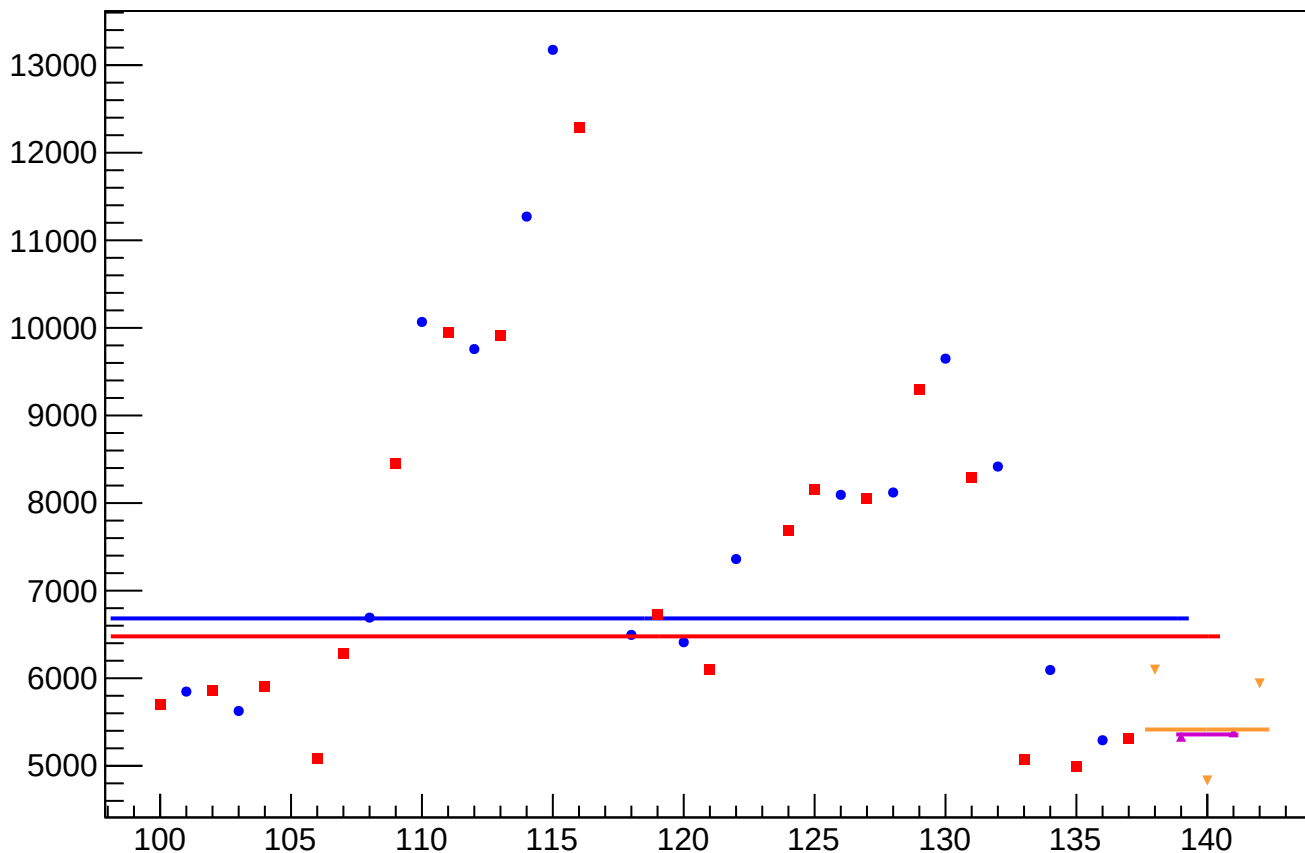
Left In: 3.544 ± 4.093 χ^2/NDF : 0.6/1

+ sign -2.003 ± 2.118 χ^2/NDF : 14.6/18

All: 1.432 ± 1.491 χ^2/NDF : 37.1/39

- sign 4.808 ± 2.100 χ^2/NDF : 17.3/20

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF : 692200.2/15

Left Out: 5414.830+/-2.689 χ^2/NDF : 50601.8/2

Right Out: 6478.126+/-1.730 χ^2/NDF : 839226.8/18

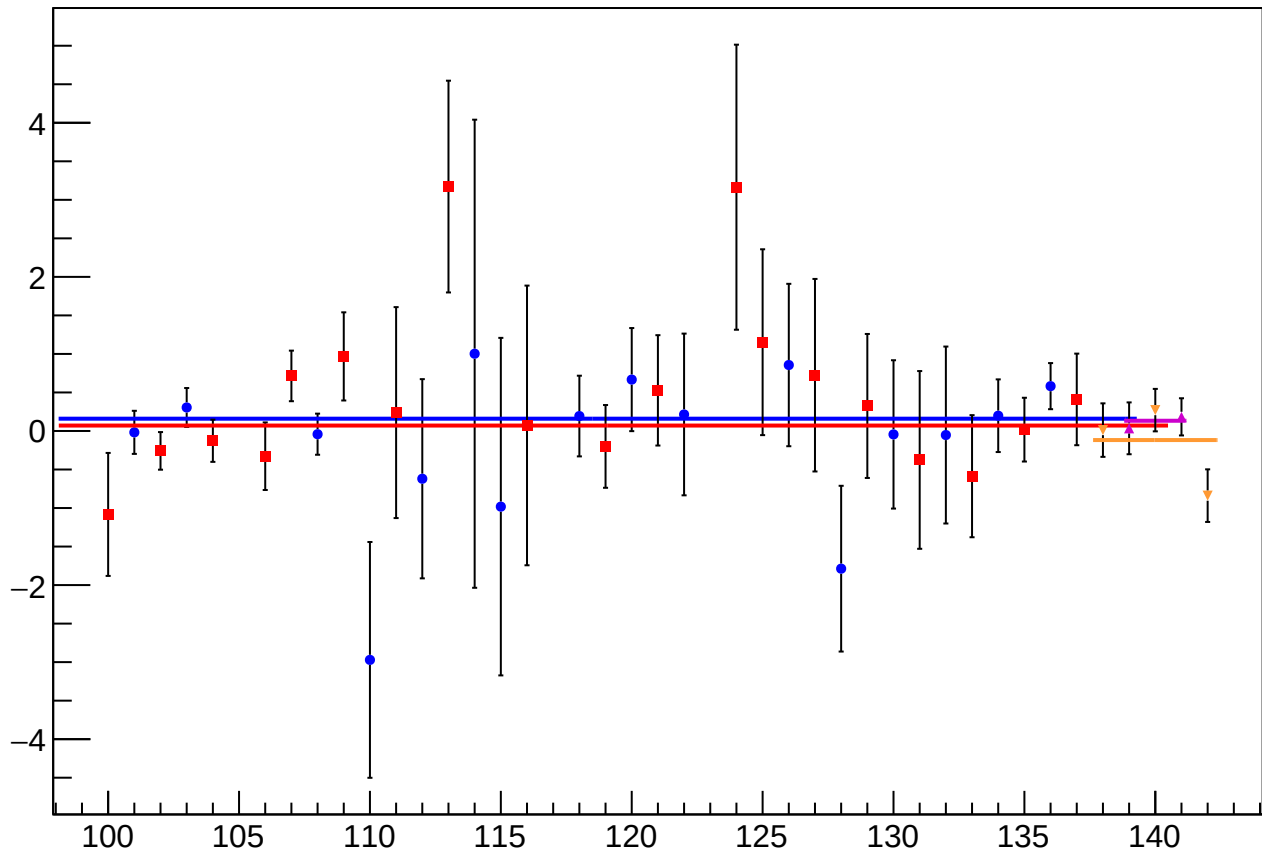
Left In: 5358.390+/-2.894 χ^2/NDF : 75.7/1

+ sign 6289.784+/-1.498 χ^2/NDF : 896216.1/18

All: 6236.129+/-1.054 χ^2/NDF : 1848360.7/39

- sign 6183.382+/-1.485 χ^2/NDF : 949598.8/20

diff_targ_thetaX_mean vs Slug



Right In: 0.160 ± 0.120 χ^2/NDF : 12.6/15

Left Out: -0.118 ± 0.182 χ^2/NDF : 6.6/2

Right Out: 0.070 ± 0.120 χ^2/NDF : 22.5/18

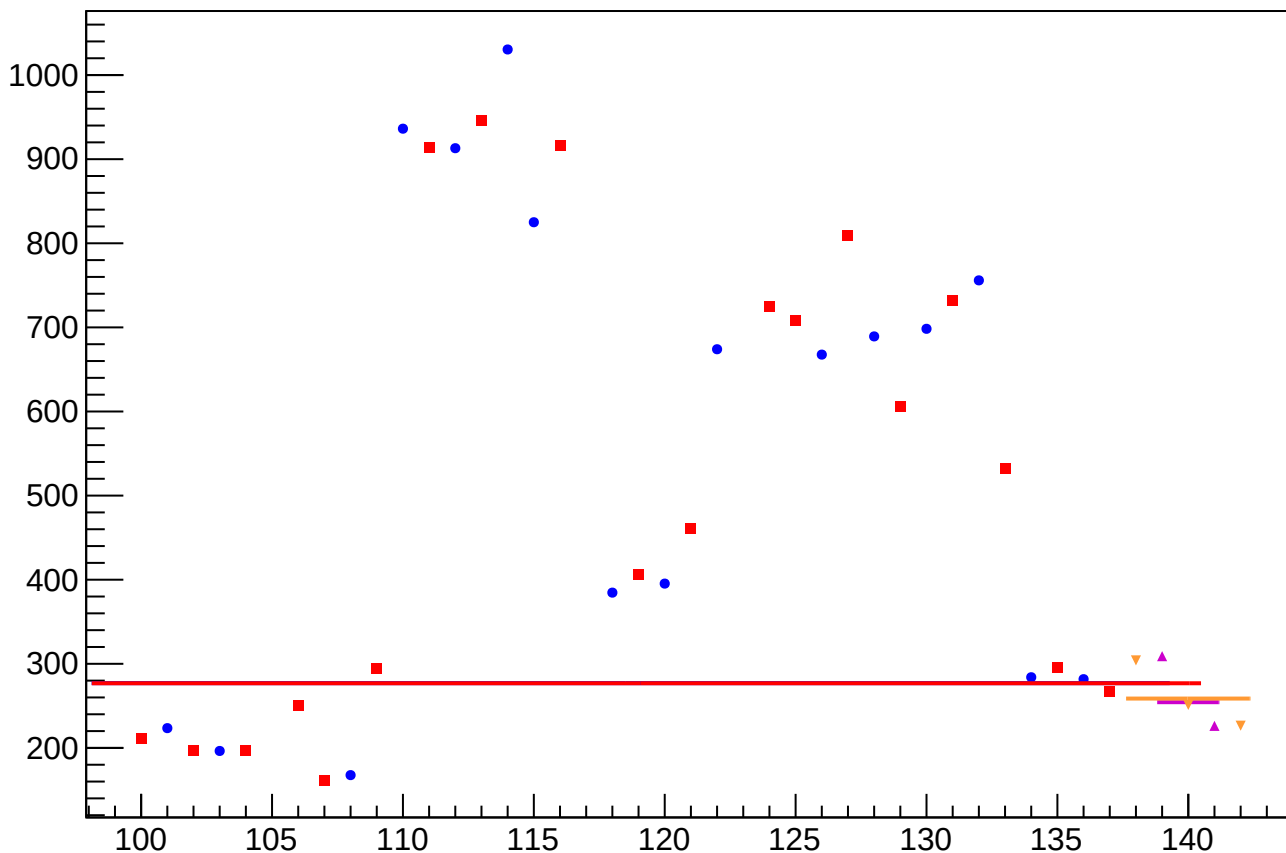
Left In: 0.133 ± 0.196 χ^2/NDF : 0.1/1

+ sign 0.076 ± 0.100 χ^2/NDF : 20.8/18

All: 0.082 ± 0.071 χ^2/NDF : 43.5/39

- sign 0.087 ± 0.102 χ^2/NDF : 22.7/20

diff_targ_thetaX_rms vs Slug



Right In: 277.017 $\pm$ 0.085 χ^2 /NDF: 3450533.8/15

Left Out: 258.677 $\pm$ 0.129 χ^2 /NDF:53536.4/2

Right Out: 276.866 $\pm$ 0.085 χ^2 /NDF: 3571620.7/18

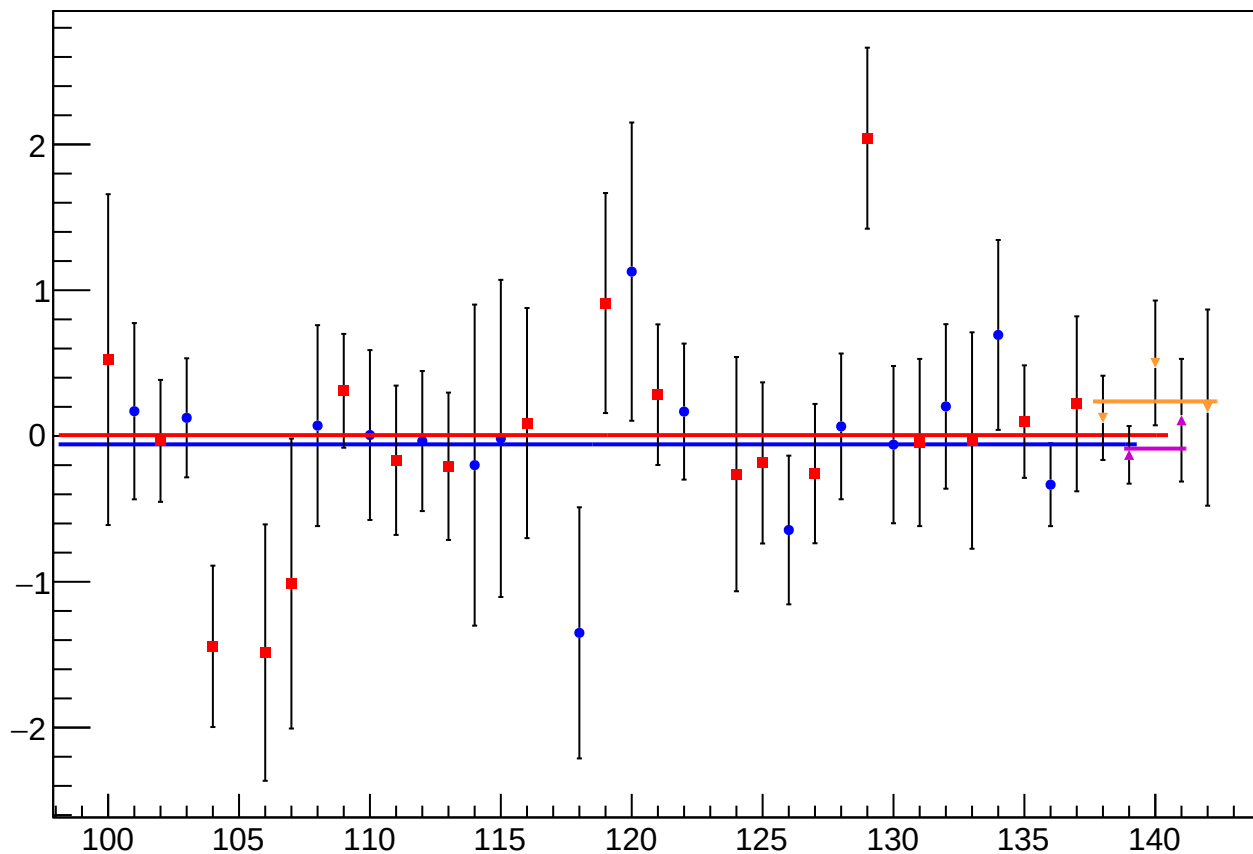
Left In: 254.365 $\pm$ 0.139 χ^2 /NDF:80115.8/1

+ sign 271.505 $\pm$ 0.071 χ^2 /NDF: 3518210.1/18

All: 271.139 $\pm$ 0.051 χ^2 /NDF: 7189192.6/39

- sign 270.756 $\pm$ 0.072 χ^2 /NDF: 3670927.7/20

diff_targ_thetaY_mean vs Slug



Right In: -0.057 ± 0.134 χ^2/NDF : 8.1/15

Left Out: 0.237 ± 0.226 χ^2/NDF : 0.5/2

Right Out: 0.006 ± 0.129 χ^2/NDF : 25.2/18

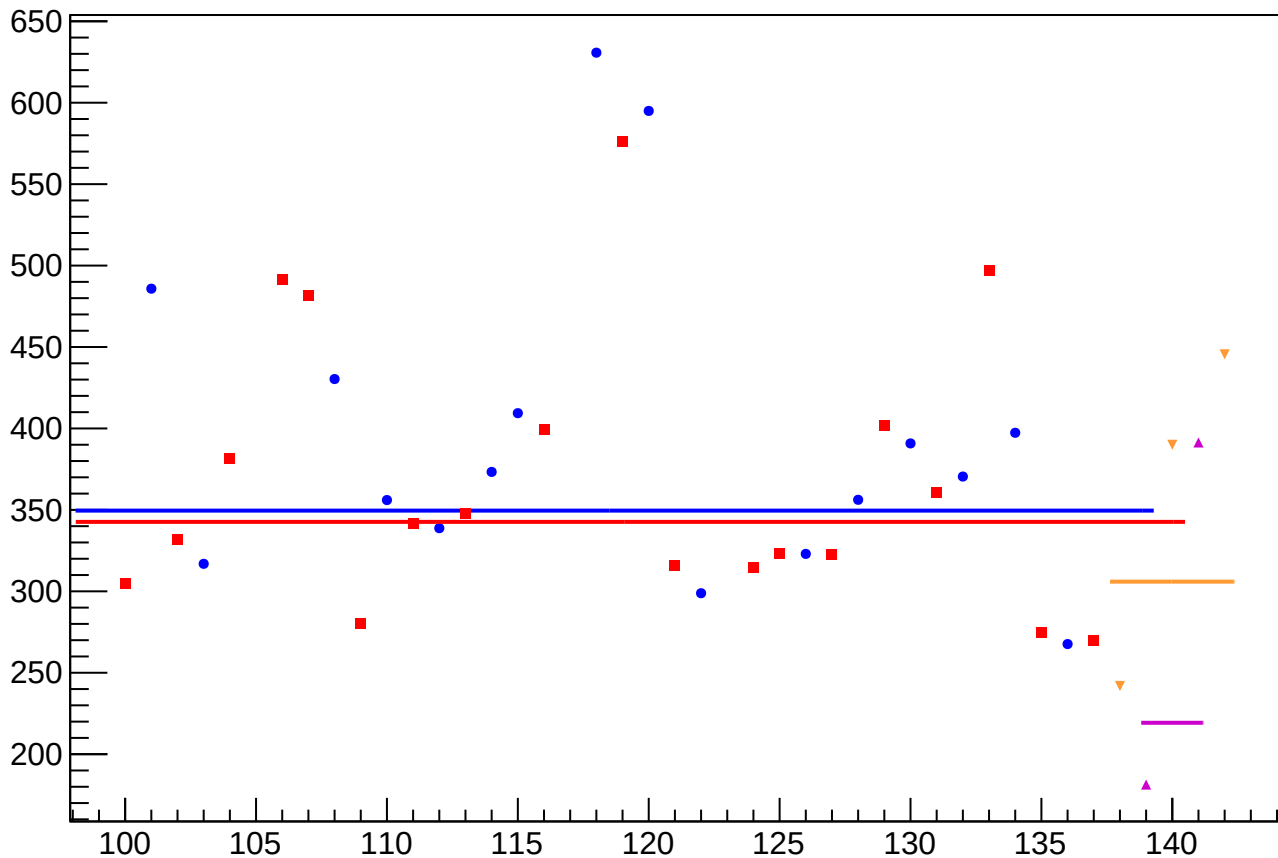
Left In: -0.086 ± 0.179 χ^2/NDF : 0.3/1

+ sign 0.019 ± 0.115 χ^2/NDF : 9.9/18

All: -0.005 ± 0.077 χ^2/NDF : 35.6/39

- sign -0.026 ± 0.105 χ^2/NDF : 25.6/20

diff_targ_thetaY_rms vs Slug



Right In: 349.560 $\pm$ 0.095 χ^2 /NDF: 699303.9/15

Left Out: 305.947 $\pm$ 0.160 χ^2 /NDF: 261431.2/2

Right Out: 342.641 $\pm$ 0.091 χ^2 /NDF: 575759.9/18

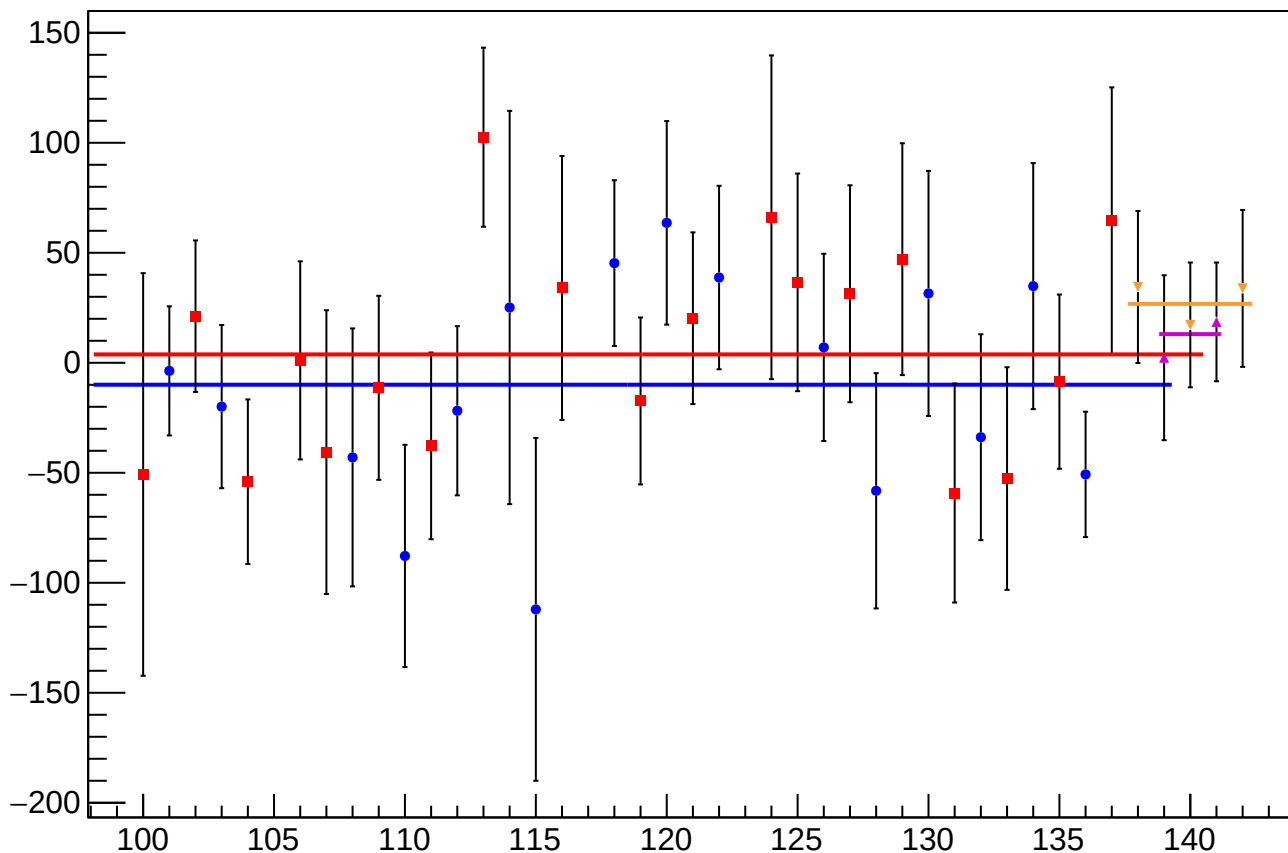
Left In: 219.291 $\pm$ 0.126 χ^2 /NDF: 408474.3/1

+ sign 338.211 $\pm$ 0.081 χ^2 /NDF: 1016028.7/18

All: 317.527 $\pm$ 0.055 χ^2 /NDF: 2744441.2/39

- sign 300.447 $\pm$ 0.074 χ^2 /NDF: 1610461.2/20

diff_bpmE_mean vs Slug



Right In: -9.969 ± 10.836 χ^2/NDF : 15.3/15

Left Out: 26.795 ± 18.673 χ^2/NDF : 0.2/2

Right Out: 3.814 ± 10.636 χ^2/NDF : 17.3/18

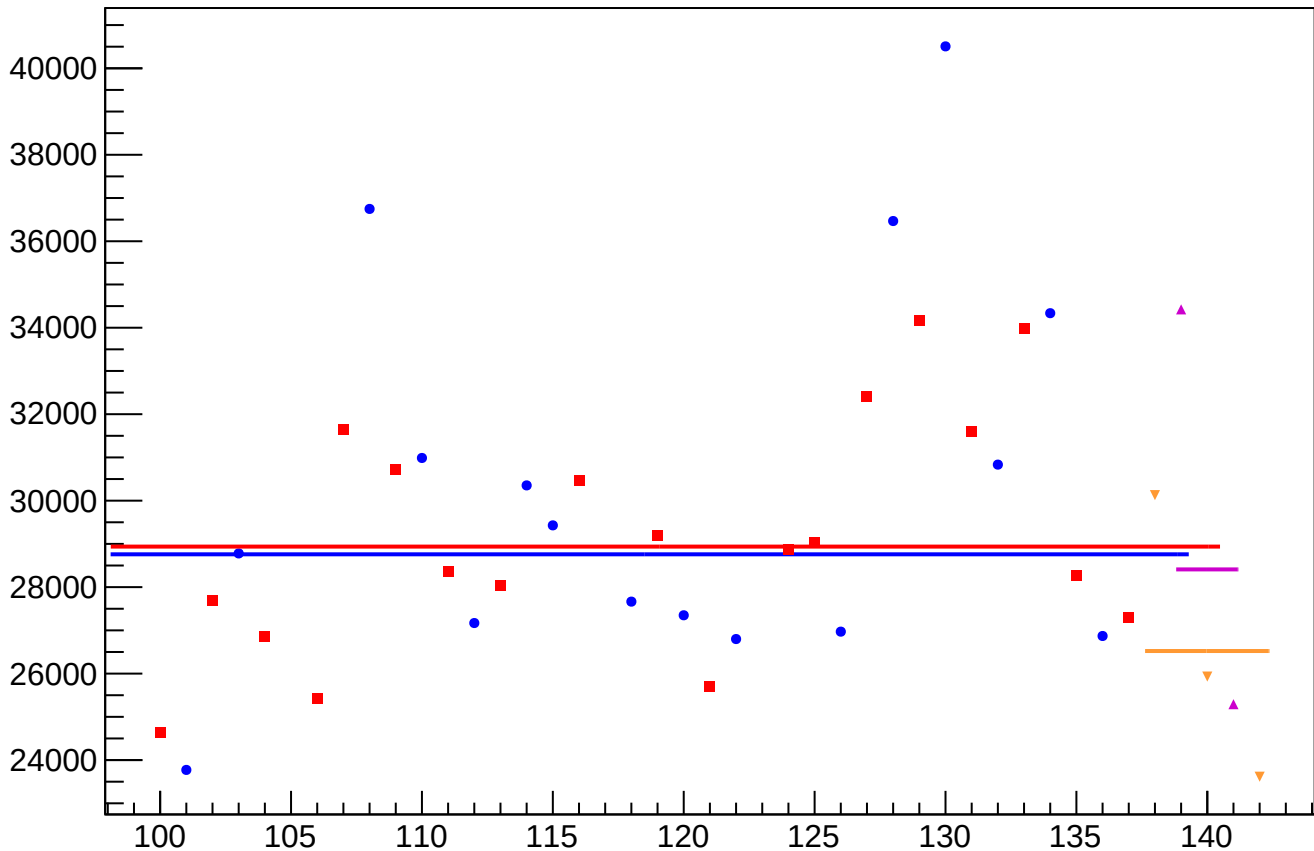
Left In: 13.031 ± 21.903 χ^2/NDF : 0.1/1

+ sign -0.707 ± 9.372 χ^2/NDF : 18.4/18

All: 2.368 ± 6.695 χ^2/NDF : 36.2/39

- sign 5.572 ± 9.568 χ^2/NDF : 17.6/20

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF : 277639.9/15

Left Out: 26522.289+/-13.204 χ^2/NDF : 35943.2/2

Right Out: 28937.633+/-7.521 χ^2/NDF : 106266.0/18

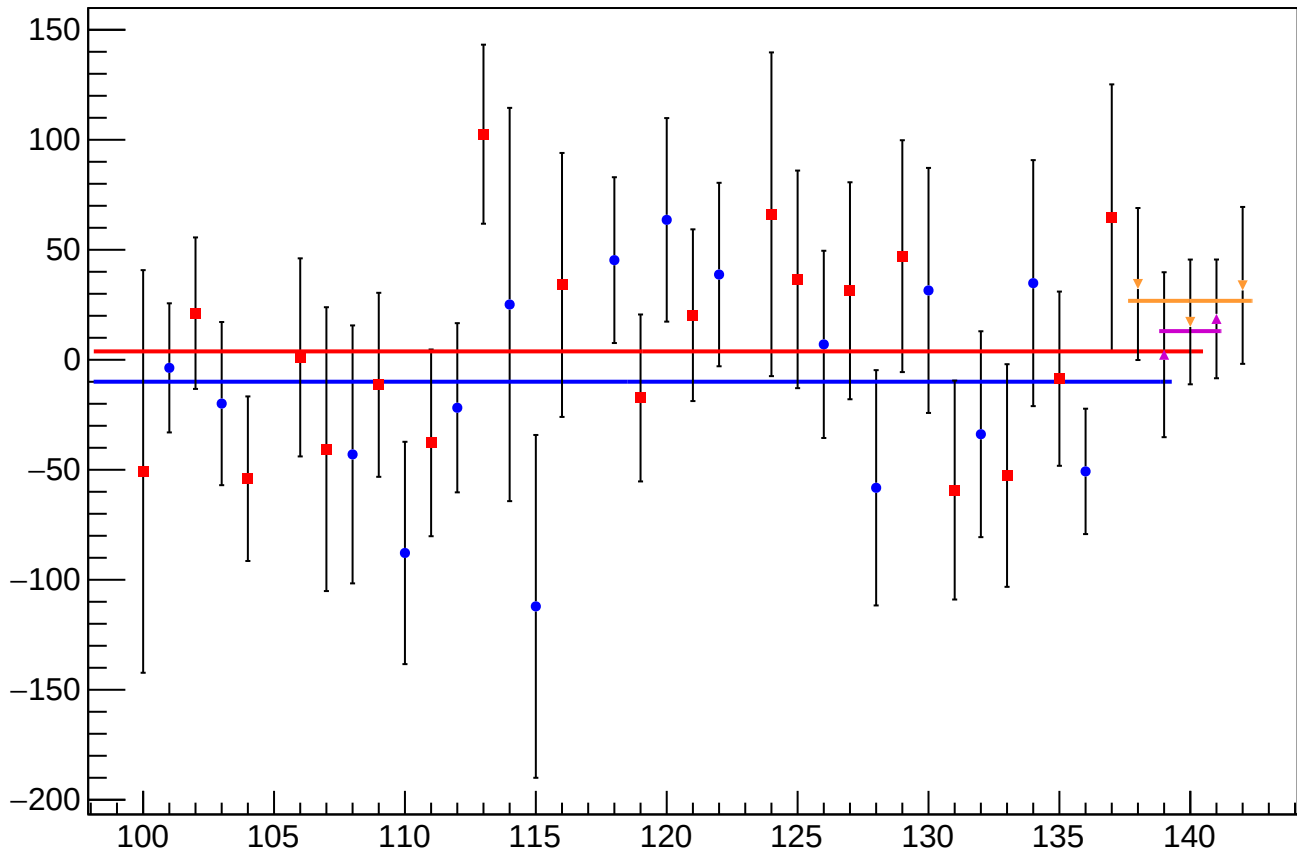
Left In: 28409.950+/-15.488 χ^2/NDF : 78168.4/1

+ sign 28195.562+/-6.627 χ^2/NDF : 335052.1/18

All: 28509.636+/-4.734 χ^2/NDF : 525012.3/39

- sign 28836.941+/-6.765 χ^2/NDF : 185373.7/20

diff_bpmEX_mean vs Slug



Right In: -9.969 $\pm$ 10.836 χ^2 /NDF: 15.3/15

Left Out: 26.795 $\pm$ 18.673 χ^2 /NDF: 0.2/2

Right Out: 3.814 $\pm$ 10.636 χ^2 /NDF: 17.3/18

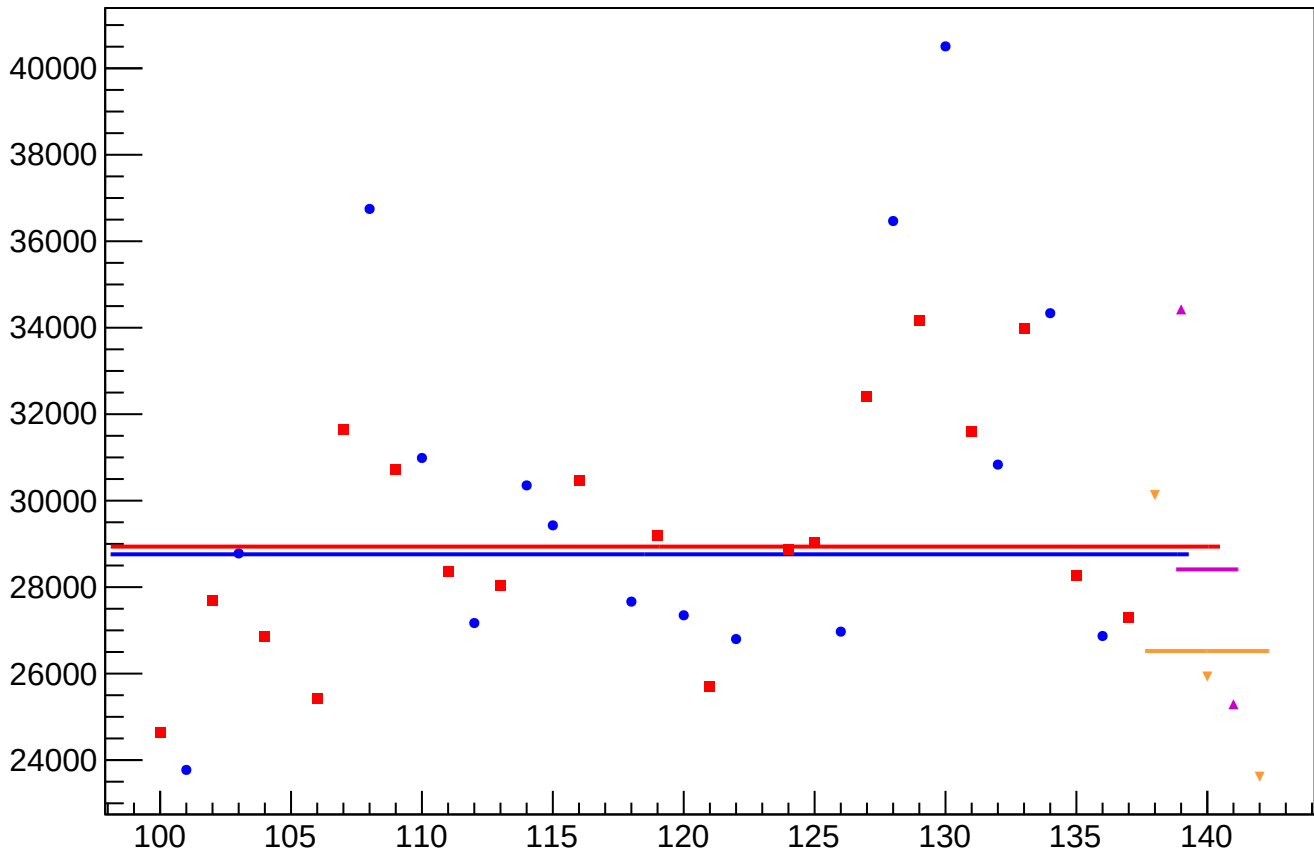
Left In: 13.031 $\pm$ 21.903 χ^2 /NDF: 0.1/1

+ sign -0.707 $\pm$ 9.372 χ^2 /NDF: 18.4/18

All: 2.368 $\pm$ 6.695 χ^2 /NDF: 36.2/39

- sign 5.572 $\pm$ 9.568 χ^2 /NDF: 17.6/20

diff_bpmEX_rms vs Slug



Right In: 28759.090 ± 7.662 $\chi^2/\text{NDF}: 277639.9/15$

Left Out: 26522.289 ± 13.204 $\chi^2/\text{NDF}: 35943.2/2$

Right Out: 28937.633 ± 7.521 $\chi^2/\text{NDF}: 106266.0/18$

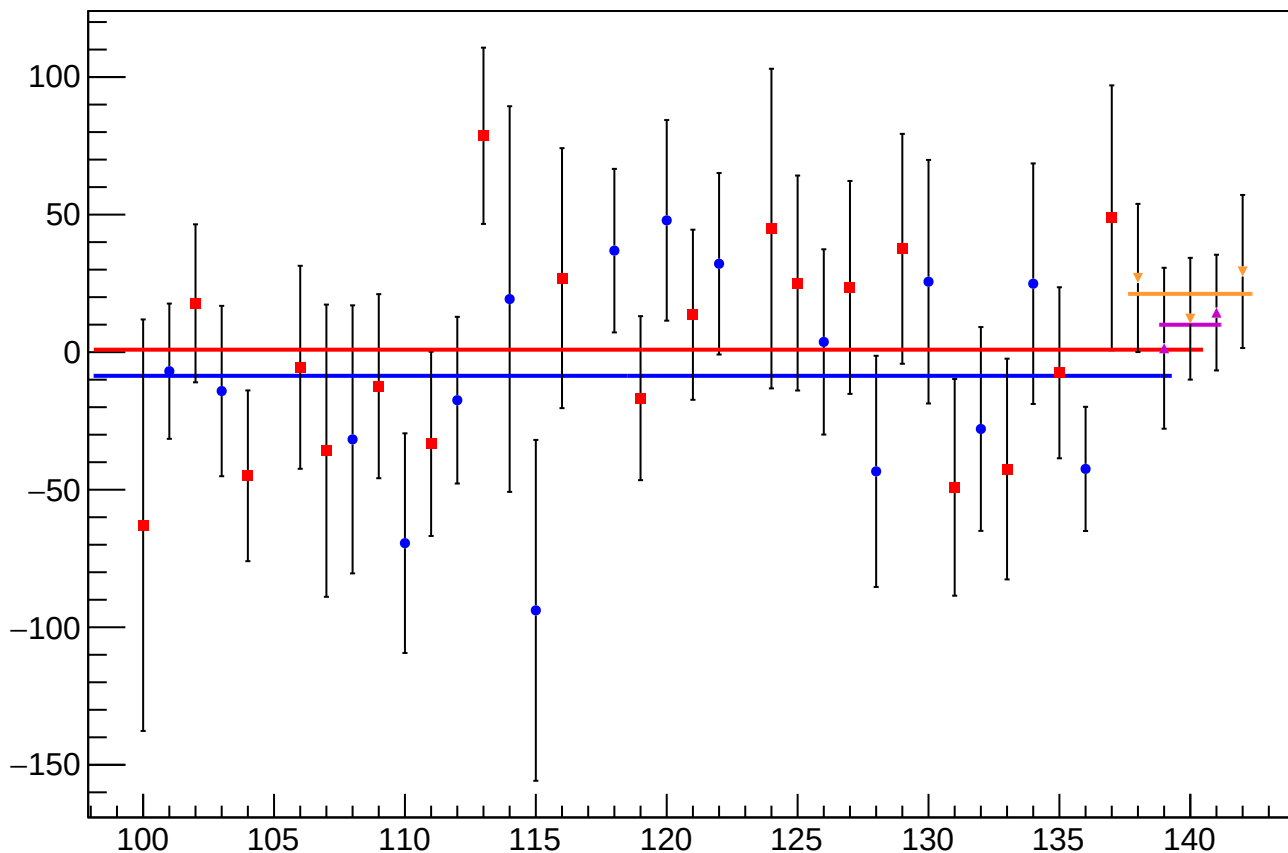
Left In: 28409.950 ± 15.488 $\chi^2/\text{NDF}: 78168.4/1$

+ sign 28195.562 ± 6.627 $\chi^2/\text{NDF}: 335052.1/18$

All: 28509.636 ± 4.734 $\chi^2/\text{NDF}: 525012.3/39$

- sign 28836.941 ± 6.765 $\chi^2/\text{NDF}: 185373.7/20$

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599 ± 8.678 χ^2/NDF : 15.5/15

Left Out: 21.197 ± 14.569 χ^2/NDF : 0.3/2

Right Out: 0.904 ± 8.506 χ^2/NDF : 17.6/18

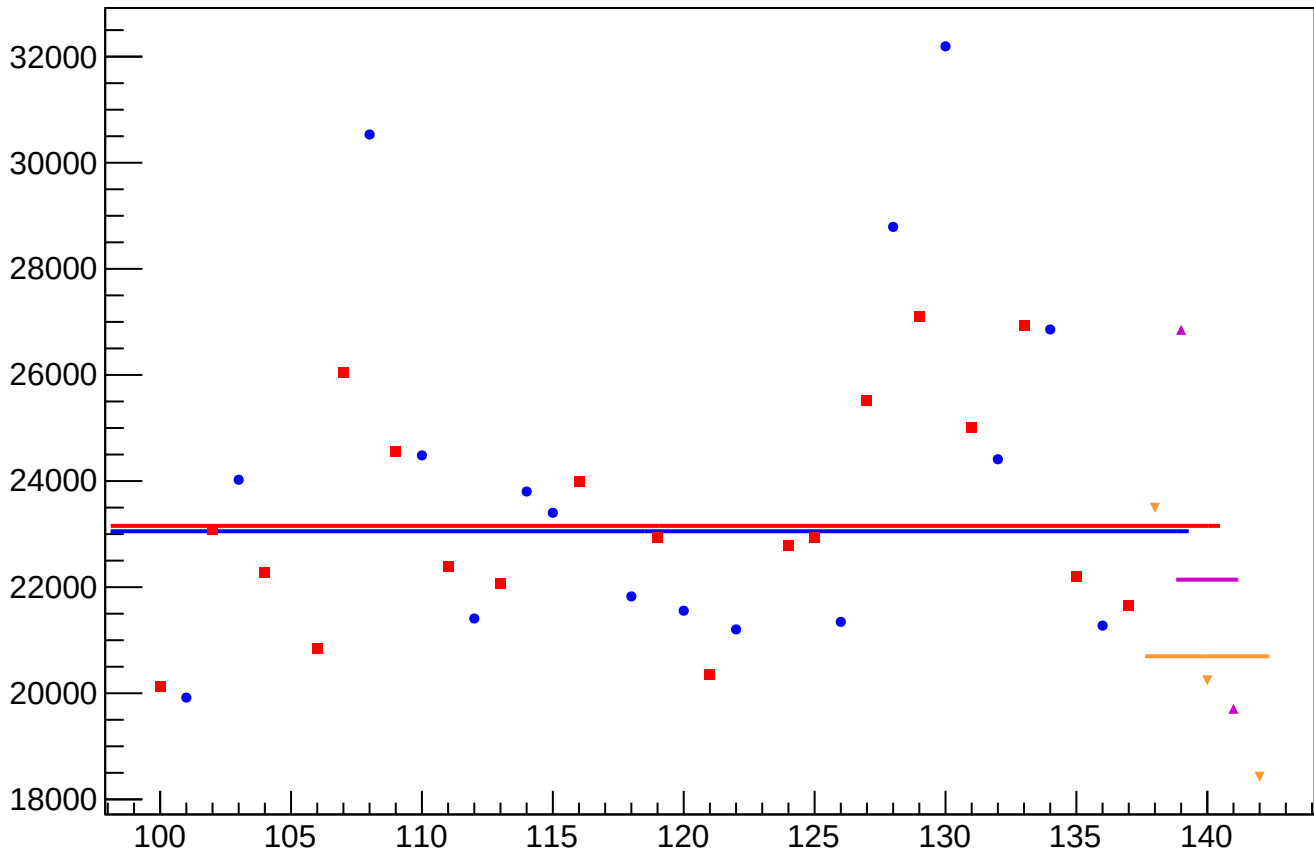
Left In: 9.972 ± 17.074 χ^2/NDF : 0.1/1

+ sign -0.795 ± 7.456 χ^2/NDF : 18.9/18

All: 0.919 ± 5.327 χ^2/NDF : 37.0/39

- sign 2.707 ± 7.613 χ^2/NDF : 18.0/20

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF : 261444.9/15

Left Out: 20696.886+/-10.302 χ^2/NDF : 35754.5/2

Right Out: 23155.251+/-6.015 χ^2/NDF : 93894.1/18

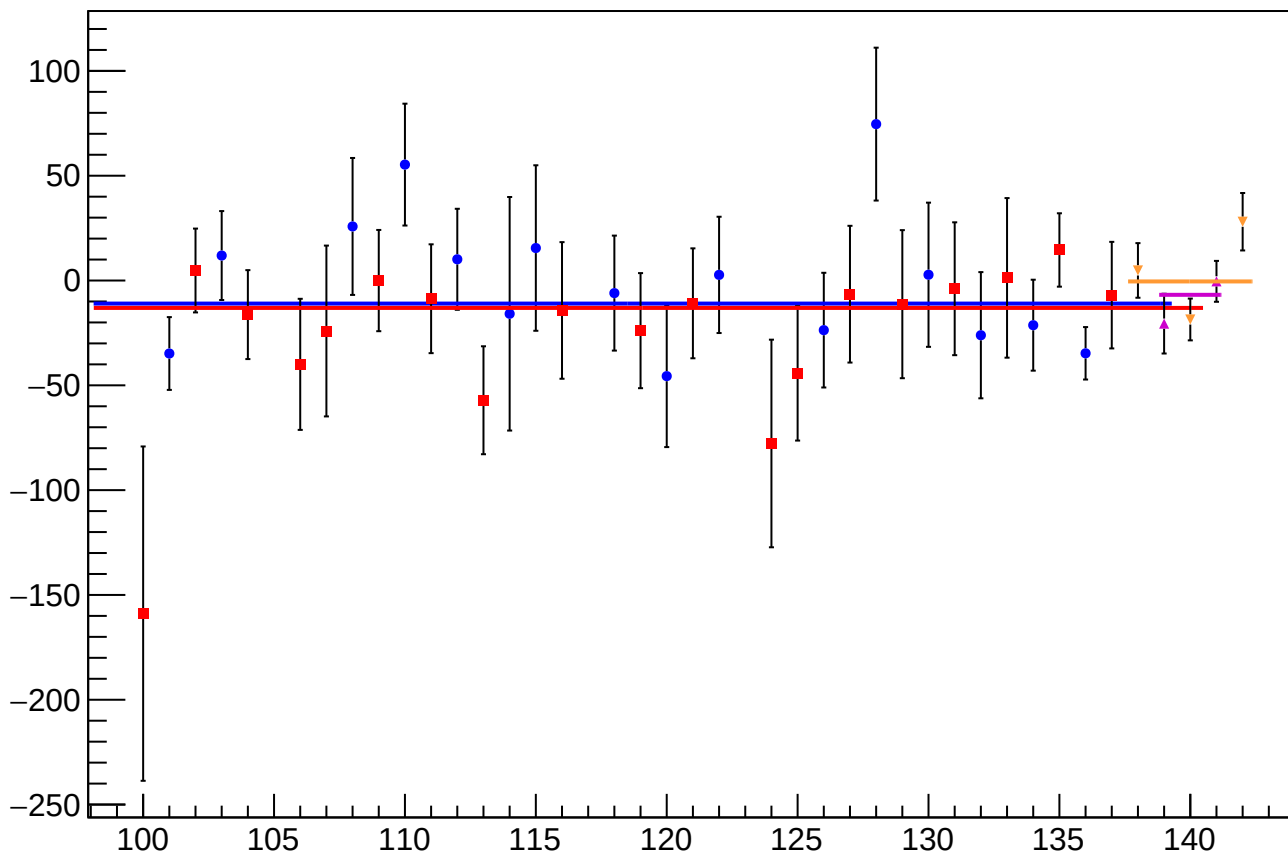
Left In: 22141.612+/-12.073 χ^2/NDF : 78620.7/1

+ sign 22436.580+/-5.272 χ^2/NDF : 335838.6/18

All: 22689.735+/-3.767 χ^2/NDF : 518710.8/39

- sign 22953.706+/-5.383 χ^2/NDF : 178162.2/20

diff_bpm4aesumX_mean vs Slug



Right In: -11.002 ± 6.155 χ^2/NDF : 22.0/15

Left Out: -0.439 ± 6.855 χ^2/NDF : 7.8/2

Right Out: -13.071 ± 6.382 χ^2/NDF : 13.9/18

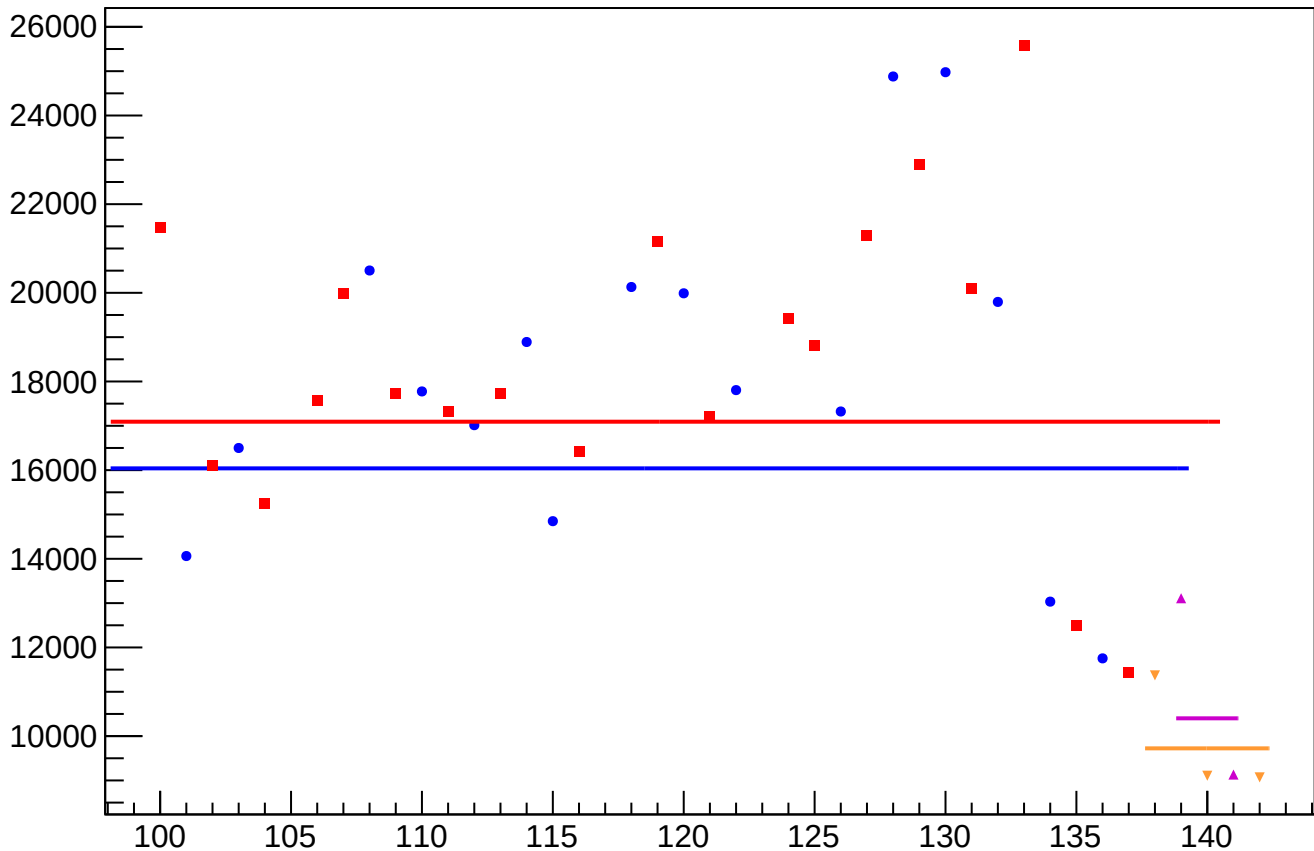
Left In: -6.823 ± 8.050 χ^2/NDF : 1.4/1

+ sign -6.287 ± 4.580 χ^2/NDF : 31.1/18

All: -8.281 ± 3.377 χ^2/NDF : 47.2/39

- sign -10.660 ± 5.001 χ^2/NDF : 15.6/20

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060 $\pm$ 4.352 χ^2 /NDF: 722678.9/15

Left Out: 9723.746 $\pm$ 4.847 χ^2 /NDF: 44177.7/2

Right Out: 17092.658 $\pm$ 4.513 χ^2 /NDF: 535464.0/18

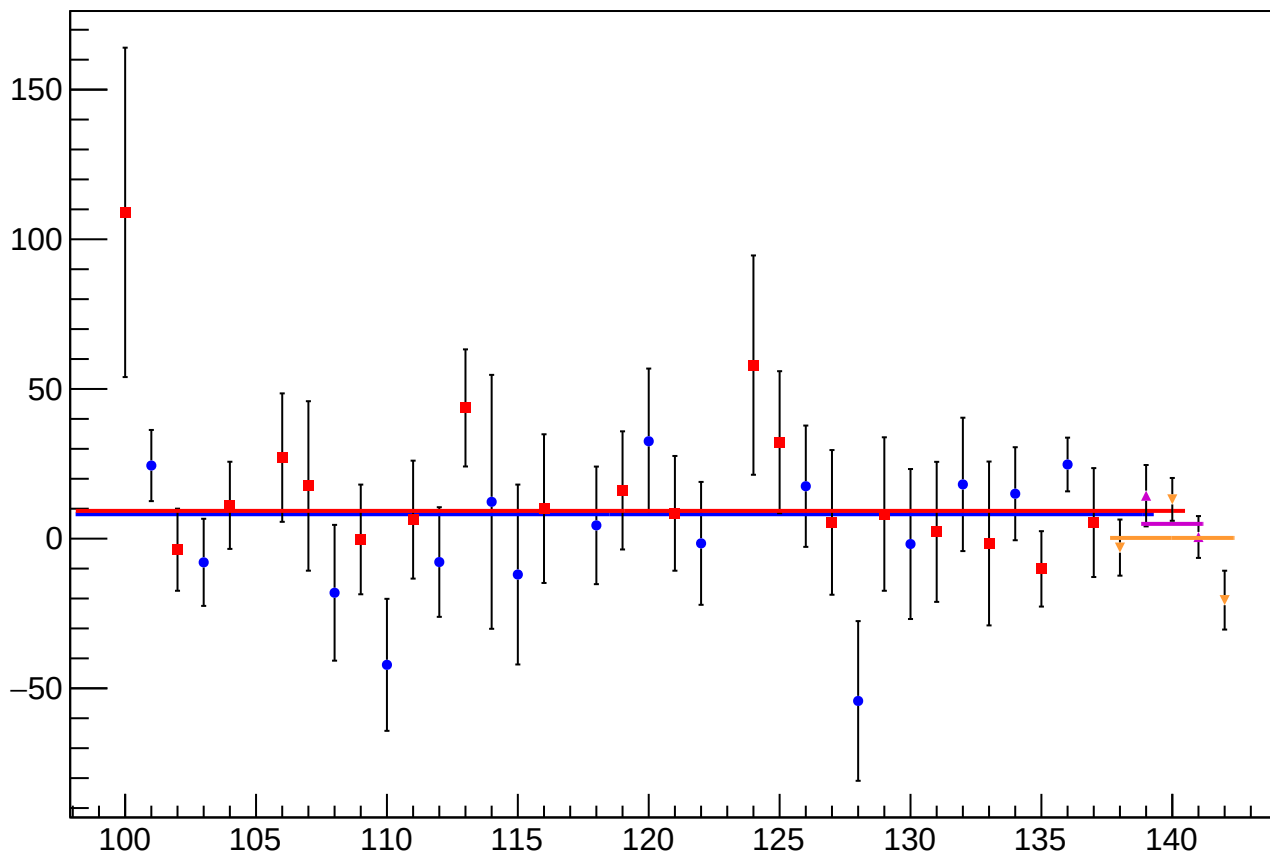
Left In: 10401.135 $\pm$ 5.692 χ^2 /NDF: 106067.6/1

+ sign 13220.760 $\pm$ 3.238 χ^2 /NDF: 1706995.3/18

All: 13808.863 $\pm$ 2.388 χ^2 /NDF: 3269425.6/3

- sign 14510.139 $\pm$ 3.536 χ^2 /NDF: 1490122.1/20

diff_bpm4aediffX_mean vs Slug



Right In: 8.150 ± 4.423 χ^2/NDF : 21.8/15

Left Out: 0.238 ± 4.921 χ^2/NDF : 7.8/2

Right Out: 9.270 ± 4.607 χ^2/NDF : 13.9/18

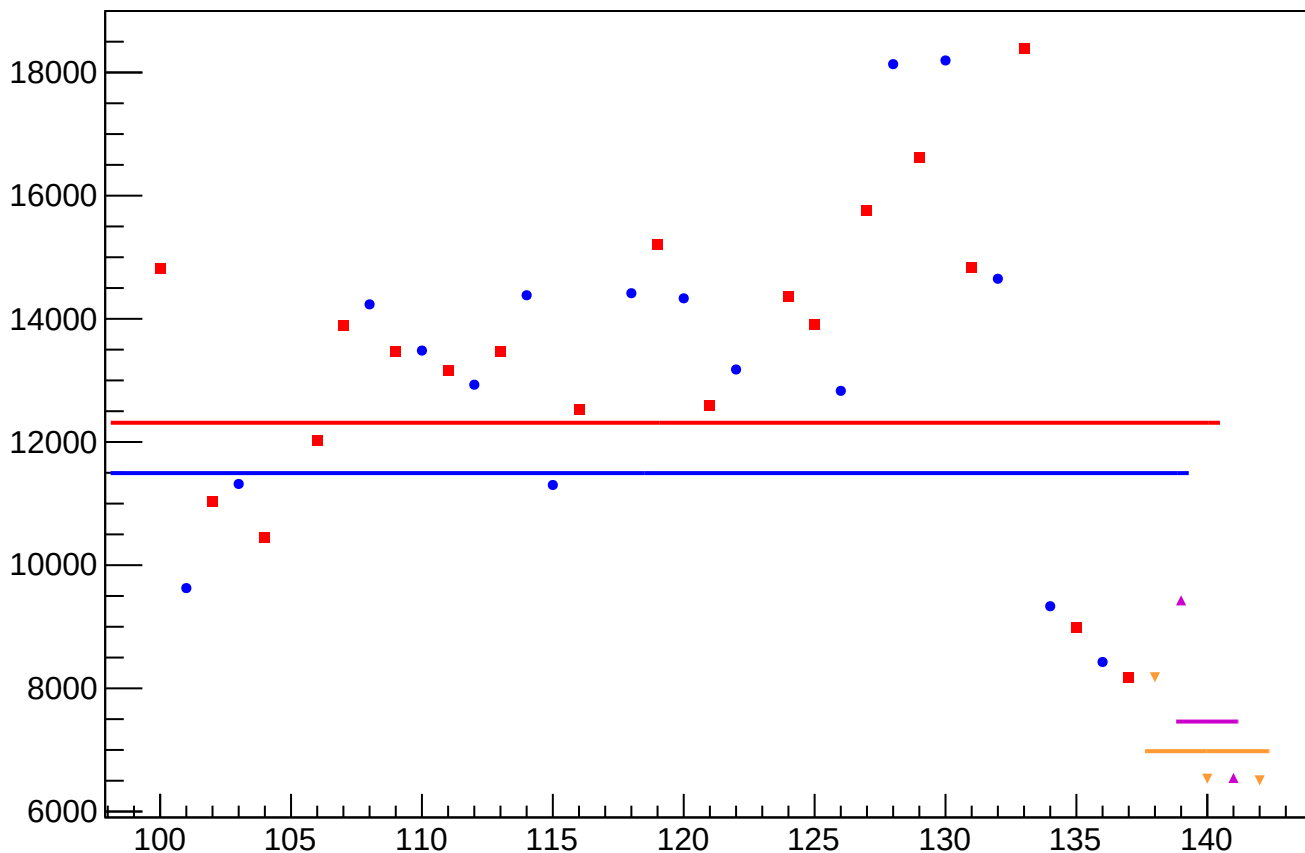
Left In: 4.929 ± 5.776 χ^2/NDF : 1.2/1

+ sign 4.615 ± 3.290 χ^2/NDF : 31.0/18

All: 5.965 ± 2.429 χ^2/NDF : 46.9/39

- sign 7.582 ± 3.602 χ^2/NDF : 15.4/20

diff_bpm4aediiffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF : 789990.1/15

Left Out: 6980.122+/-3.480 χ^2/NDF : 45254.9/2

Right Out: 12312.550+/-3.258 χ^2/NDF : 598755.3/18

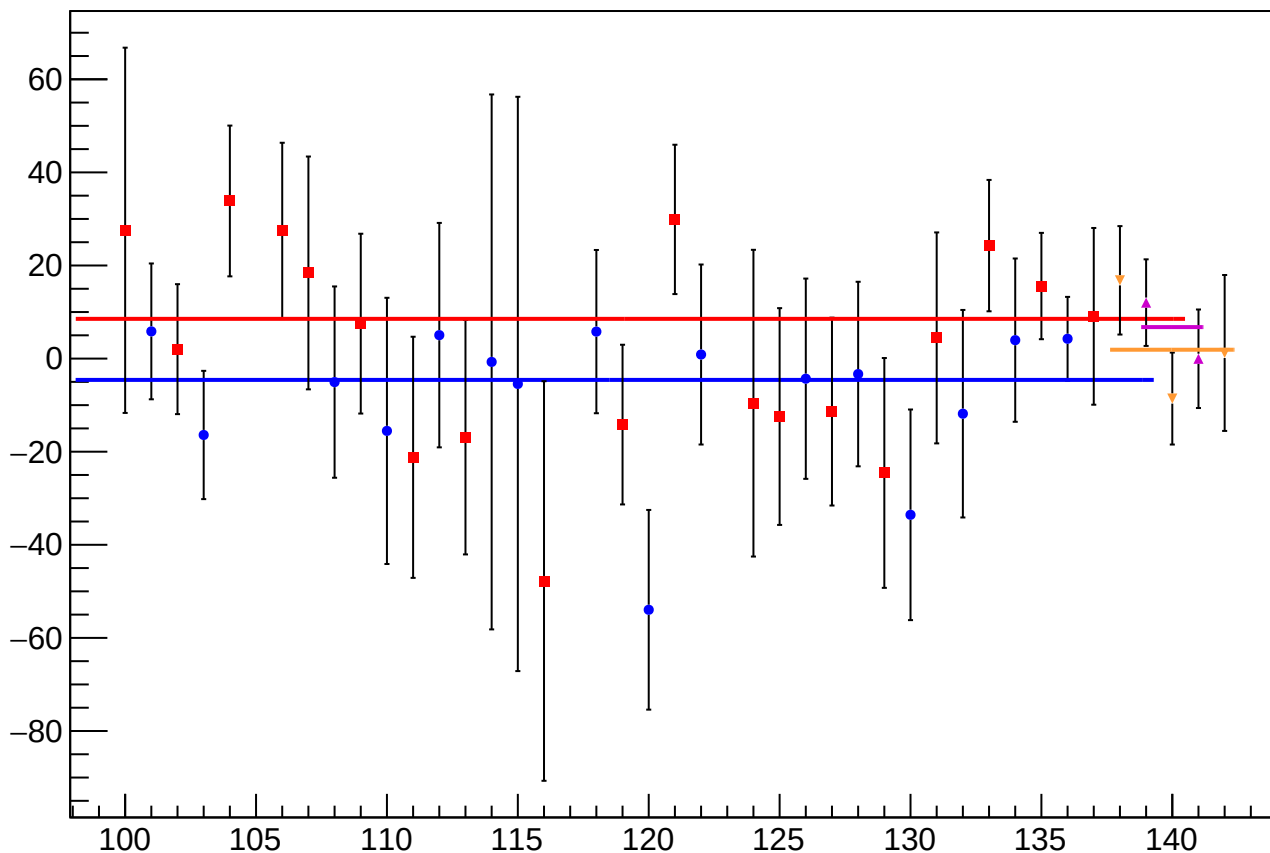
Left In: 7460.859+/-4.084 χ^2/NDF : 107981.6/1

+ sign 9477.790+/-2.326 χ^2/NDF : 1766389.6/18

All: 9909.051+/-1.718 χ^2/NDF : 3411112.5/39

- sign 10426.035+/-2.547 χ^2/NDF : 1569144.3/20

diff_bpm4aesumY_mean vs Slug



Right In: -4.578 ± 4.554 χ^2/NDF : 10.2/15

Left Out: 1.905 ± 6.871 χ^2/NDF : 2.8/2

Right Out: 8.537 ± 4.392 χ^2/NDF : 17.2/18

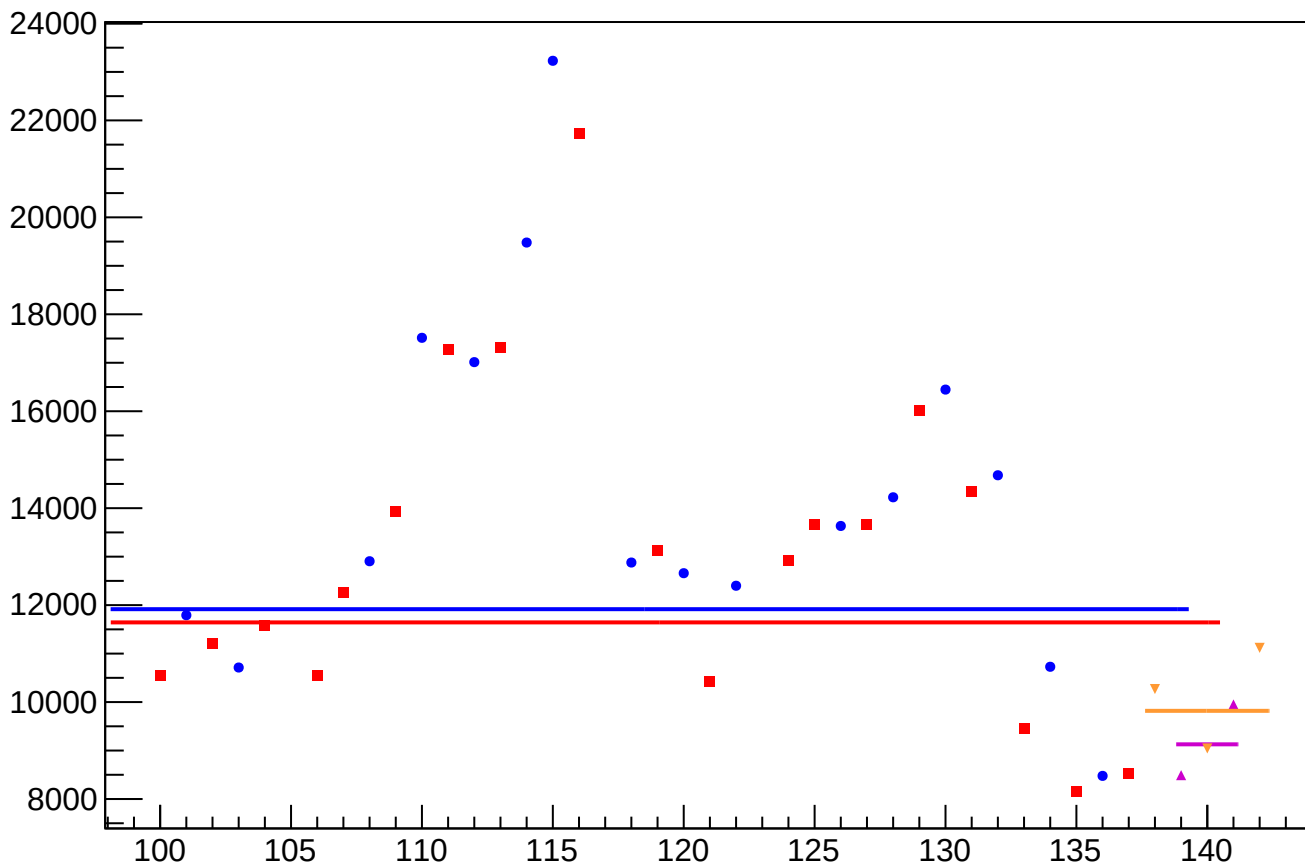
Left In: 6.767 ± 6.986 χ^2/NDF : 0.7/1

+ sign -2.600 ± 3.796 χ^2/NDF : 13.6/18

All: 2.828 ± 2.656 χ^2/NDF : 35.6/39

- sign 8.036 ± 3.718 χ^2/NDF : 18.0/20

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF : 749775.2/15

Left Out: 9819.158+/-4.859 χ^2/NDF : 27351.5/2

Right Out: 11643.622+/-3.106 χ^2/NDF : 790359.6/18

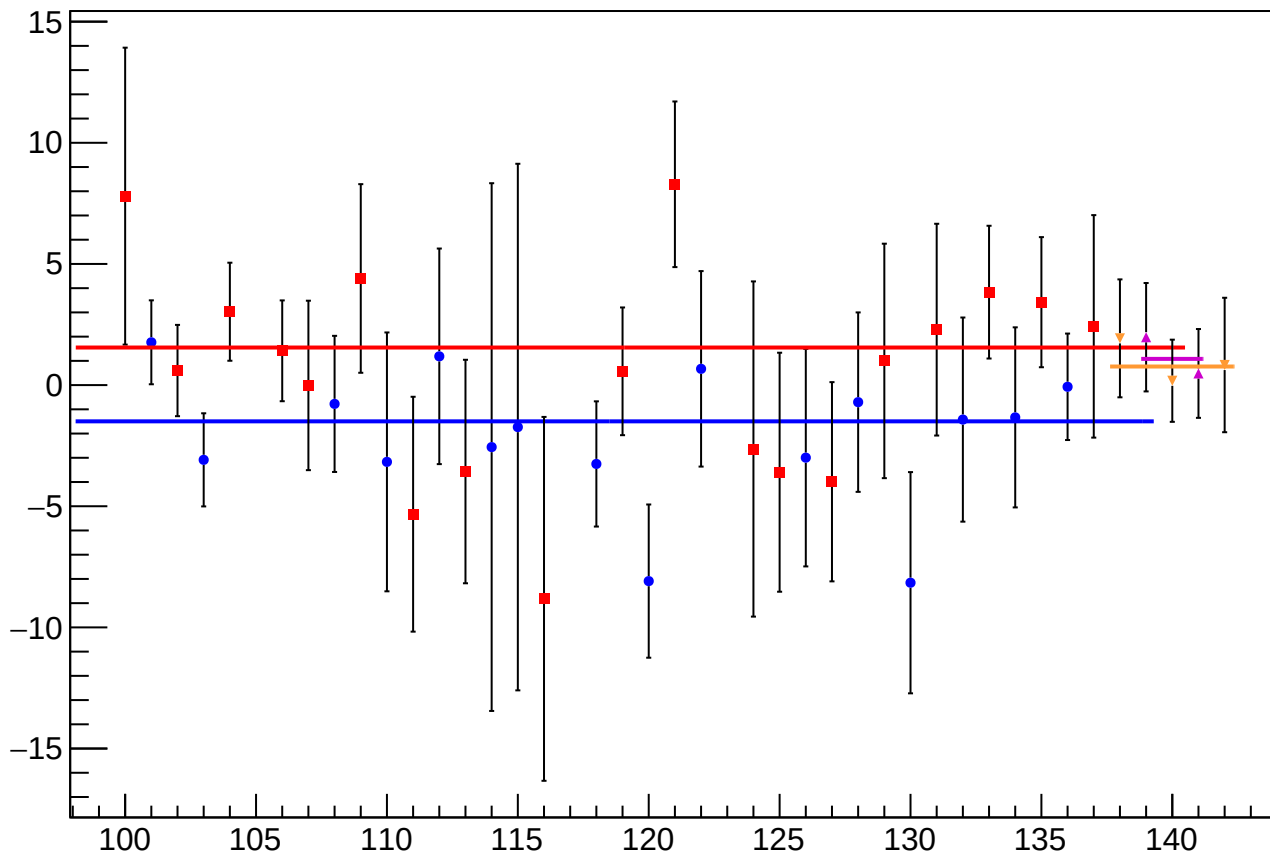
Left In: 9128.219+/-4.940 χ^2/NDF : 21439.6/1

+ sign 11276.319+/-2.684 χ^2/NDF : 906569.3/18

All: 11100.124+/-1.878 χ^2/NDF : 1912626.3/3

- sign 10931.057+/-2.629 χ^2/NDF : 997613.8/20

diff_bpm4aediY_mean vs Slug



Right In: -1.496 ± 0.778 χ^2/NDF : 12.6/15

Left Out: 0.767 ± 1.244 χ^2/NDF : 0.3/2

Right Out: 1.551 ± 0.745 χ^2/NDF : 16.3/18

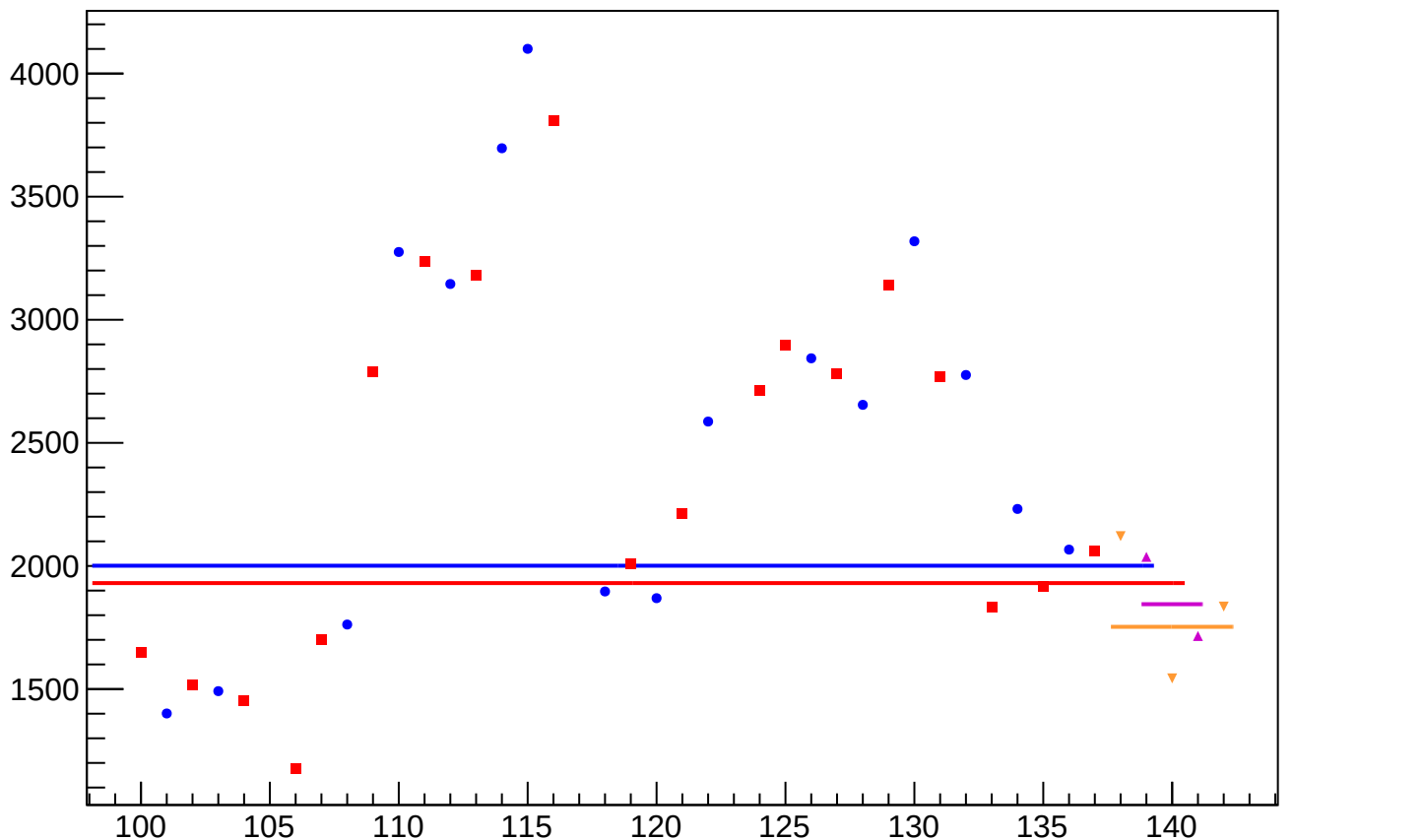
Left In: 1.082 ± 1.418 χ^2/NDF : 0.3/1

+ sign -0.859 ± 0.660 χ^2/NDF : 15.3/18

All: 0.296 ± 0.466 χ^2/NDF : 38.1/39

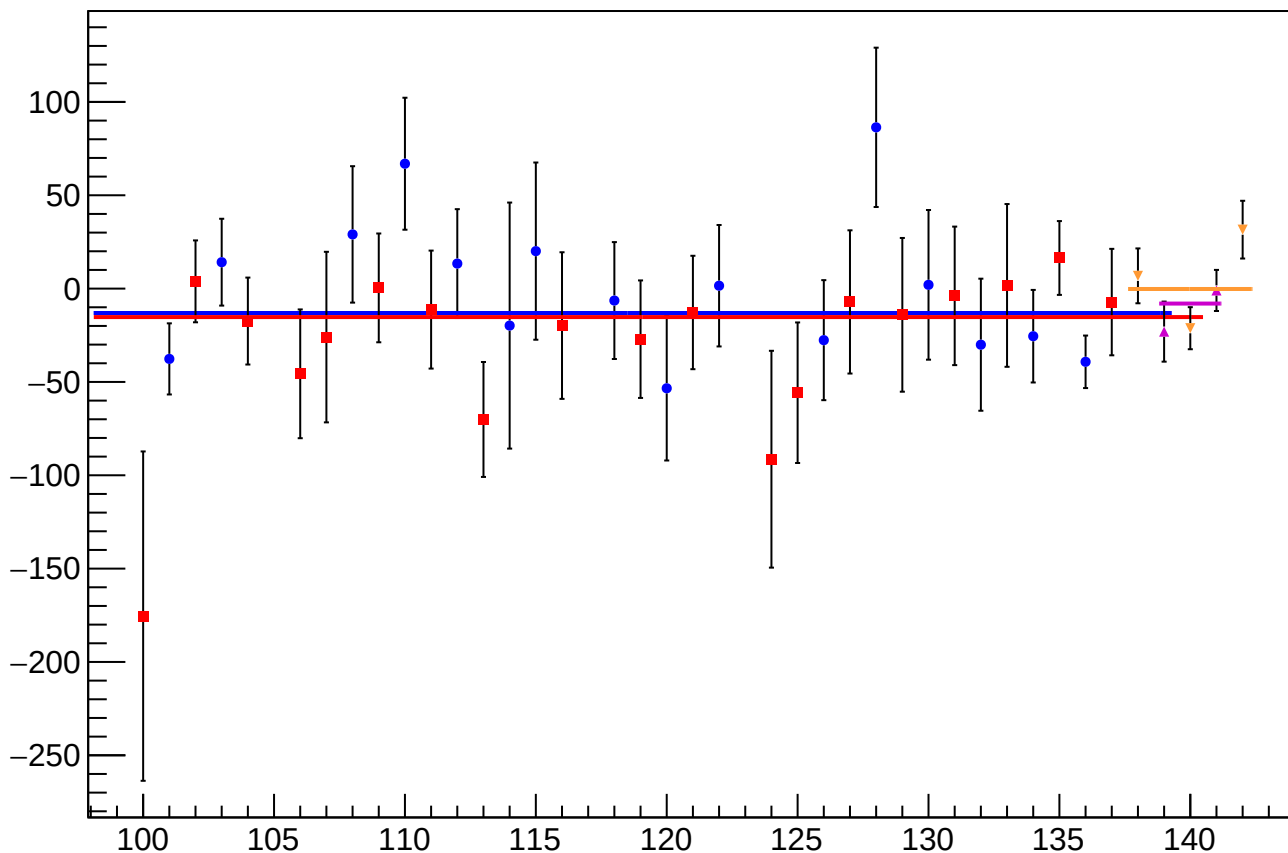
- sign 1.449 ± 0.659 χ^2/NDF : 16.6/20

diff_bpm4aediY_rms vs Slug



Right In: 2001.000+/-0.550	χ^2/NDF : 1189784.2/15	+ sign 1931.154+/-0.466	χ^2/NDF : 1325080.6/18
Left Out: 1752.818+/-0.879	χ^2/NDF : 78055.0/2	All: 1921.521+/-0.330	χ^2/NDF : 2759920.7/39
Right Out: 1930.434+/-0.526	χ^2/NDF : 1403552.6/18	- sign 1911.904+/-0.466	χ^2/NDF : 1433987.9/20
Left In: 1844.704+/-1.003	χ^2/NDF : 24703.5/1		

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066 ± 7.026 χ^2/NDF : 21.9/15

Left Out: -0.205 ± 7.741 χ^2/NDF : 7.9/2

Right Out: -15.253 ± 7.321 χ^2/NDF : 14.3/18

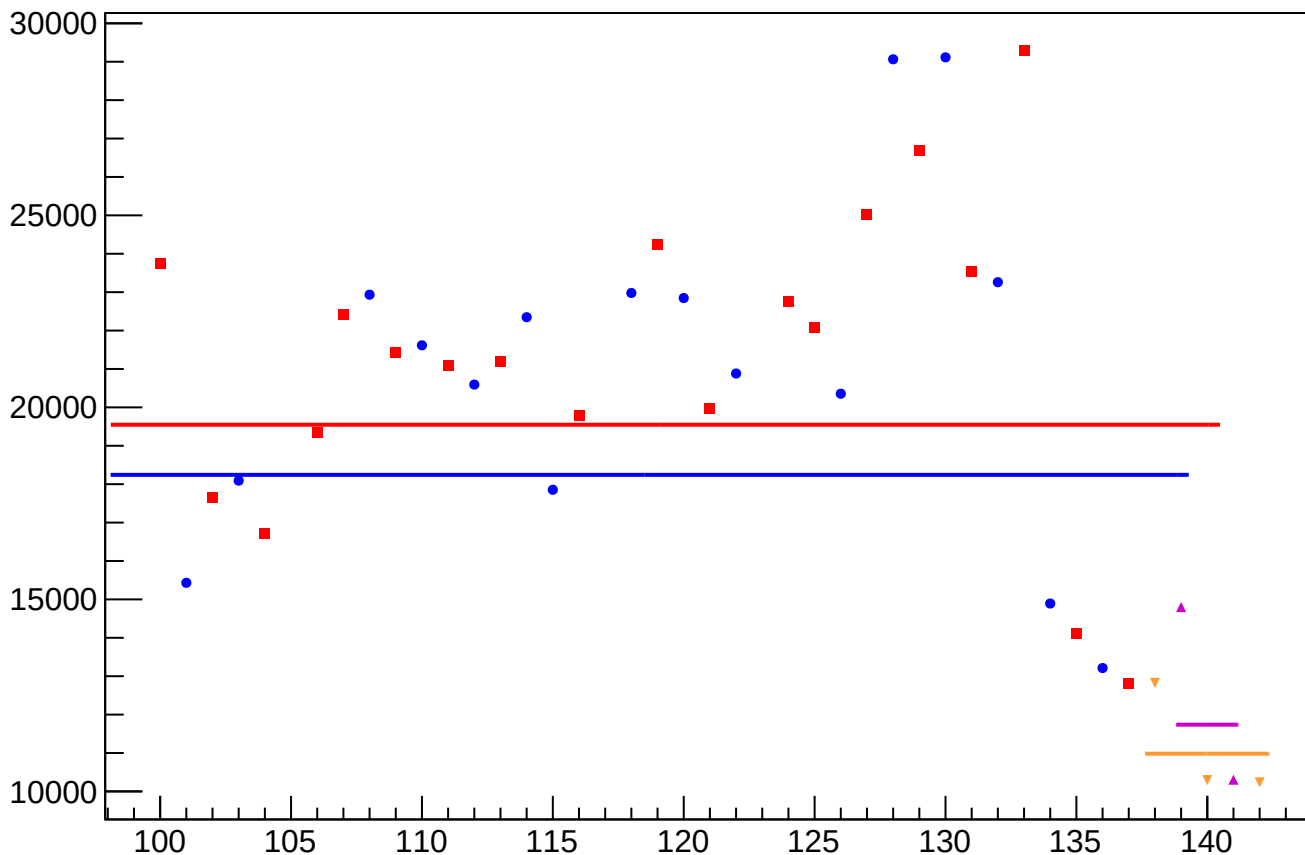
Left In: -8.017 ± 9.085 χ^2/NDF : 1.3/1

+ sign -7.256 ± 5.203 χ^2/NDF : 31.3/18

All: -9.596 ± 3.843 χ^2/NDF : 47.8/39

- sign -12.404 ± 5.700 χ^2/NDF : 16.0/20

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF : 819828.6/15

Left Out: 10981.569+/-5.474 χ^2/NDF : 43608.4/2

Right Out: 19548.426+/-5.176 χ^2/NDF : 621716.4/18

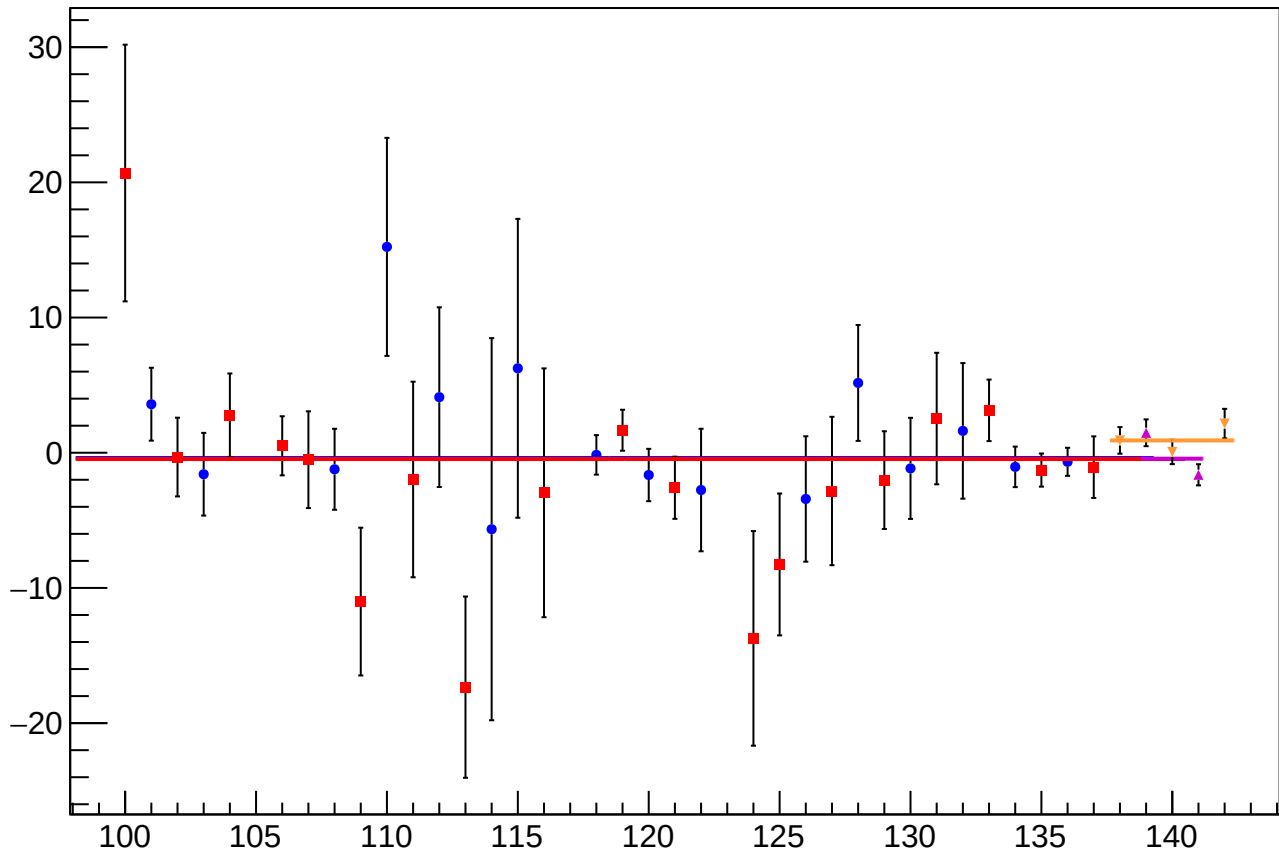
Left In: 11737.753+/-6.424 χ^2/NDF : 106320.2/1

+ sign 14962.947+/-3.679 χ^2/NDF : 1828454.3/18

All: 15649.359+/-2.717 χ^2/NDF : 3529434.8/3

- sign 16473.343+/-4.031 χ^2/NDF : 1624376.4/20

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394 ± 0.600 χ^2/NDF : 10.4/15

Left Out: 0.910 ± 0.568 χ^2/NDF : 2.2/2

Right Out: -0.464 ± 0.634 χ^2/NDF : 28.0/18

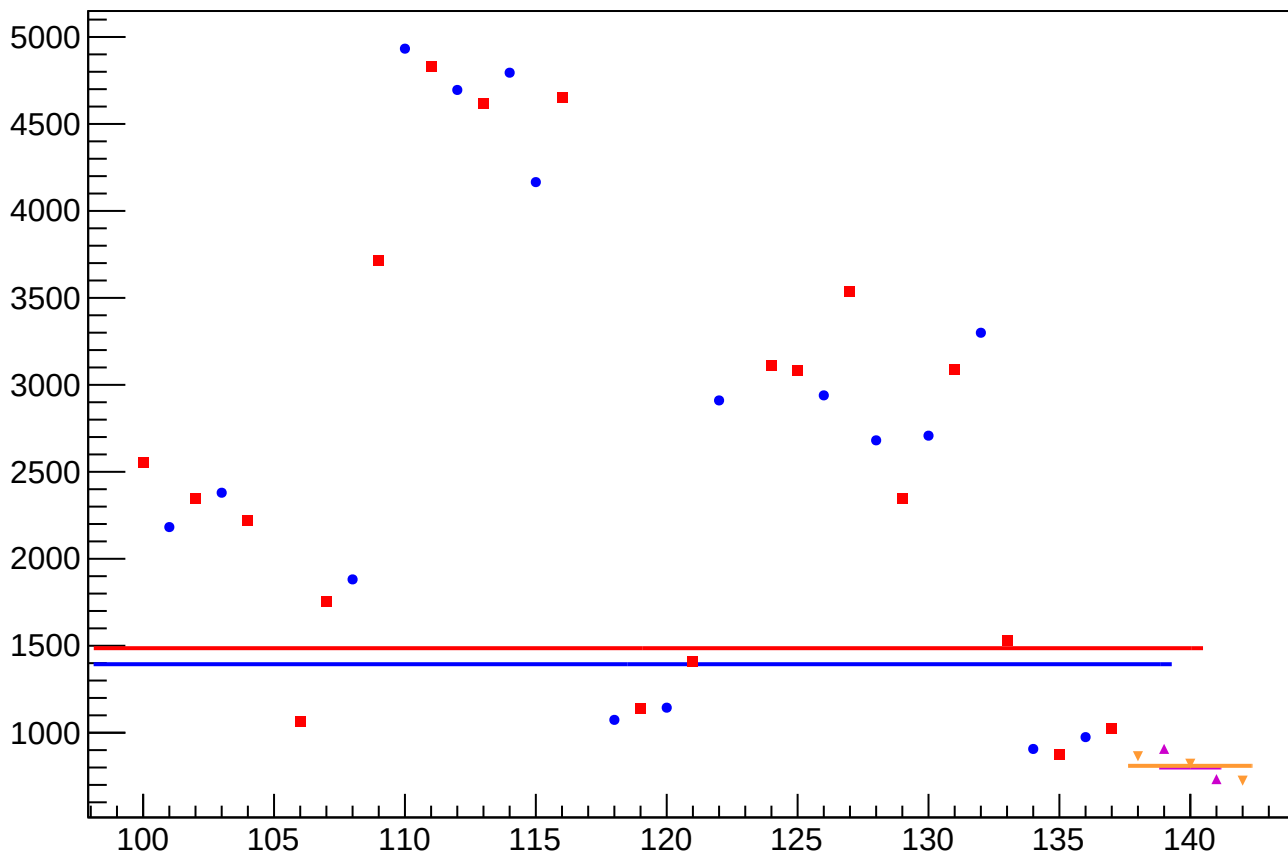
Left In: -0.440 ± 0.613 χ^2/NDF : 6.1/1

+ sign 0.294 ± 0.412 χ^2/NDF : 15.1/18

All: -0.054 ± 0.301 χ^2/NDF : 50.7/39

- sign -0.452 ± 0.441 χ^2/NDF : 34.1/20

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF : 3381007.0/15

Left Out: 809.703+/-0.401 χ^2/NDF :18821.0/2

Right Out: 1486.000+/-0.448 χ^2/NDF : 3398817.4/18

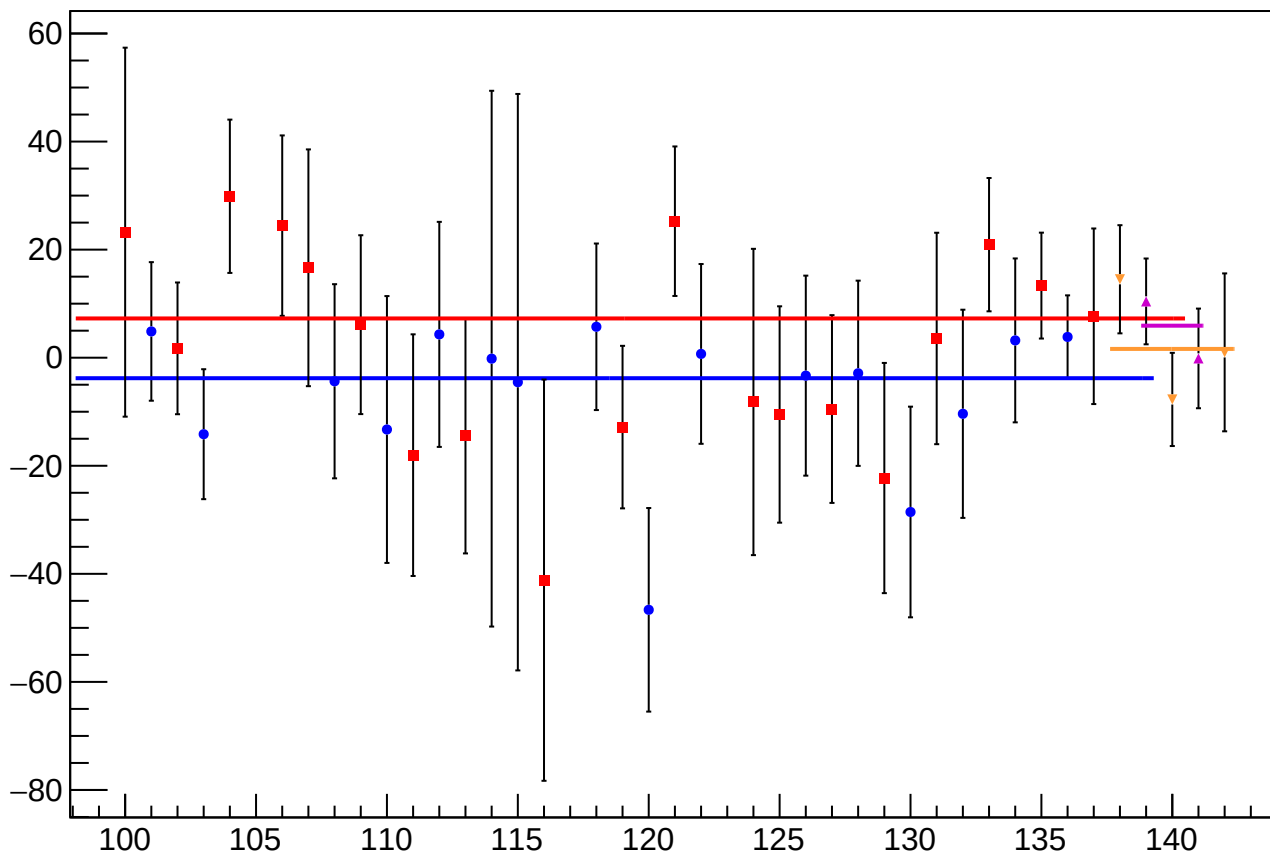
Left In: 800.004+/-0.434 χ^2/NDF :38021.0/1

+ sign 1085.556+/-0.292 χ^2/NDF : 4400184.8/18

All: 1107.081+/-0.213 χ^2/NDF : 9058482.2/39

- sign 1131.672+/-0.312 χ^2/NDF : 4646623.2/20

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2 /NDF: 10.1/15

Left Out: 1.625+/-5.964 χ^2 /NDF: 2.8/2

Right Out: 7.264+/-3.807 χ^2 /NDF: 17.3/18

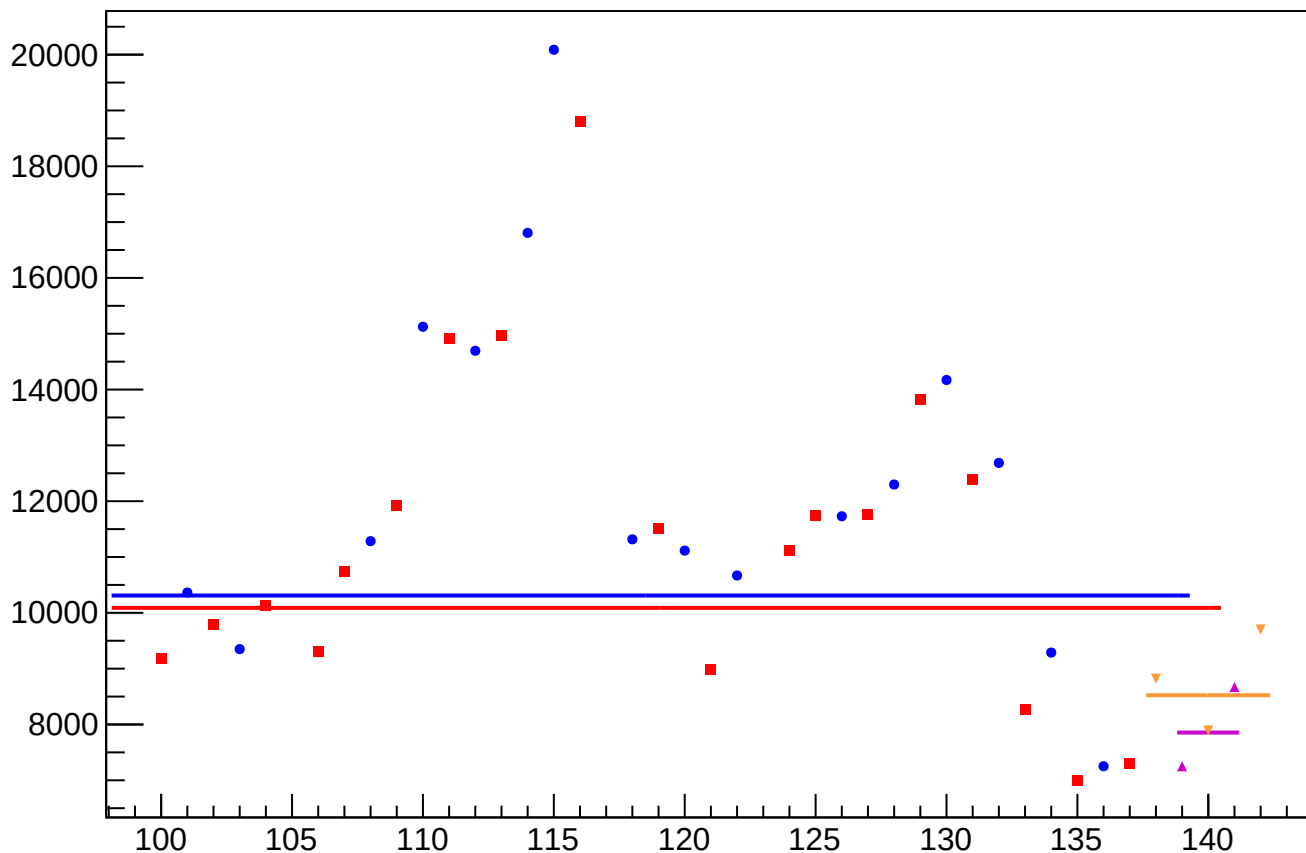
Left In: 5.926+/-6.017 χ^2 /NDF: 0.8/1

+ sign -2.146+/-3.289 χ^2 /NDF: 13.5/18

All: 2.468+/-2.300 χ^2 /NDF: 35.4/39

- sign 6.882+/-3.217 χ^2 /NDF: 18.0/20

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF : 770518.2/15

Left Out: 8523.641+/-4.217 χ^2/NDF : 25432.8/2

Right Out: 10089.584+/-2.692 χ^2/NDF : 792788.1/18

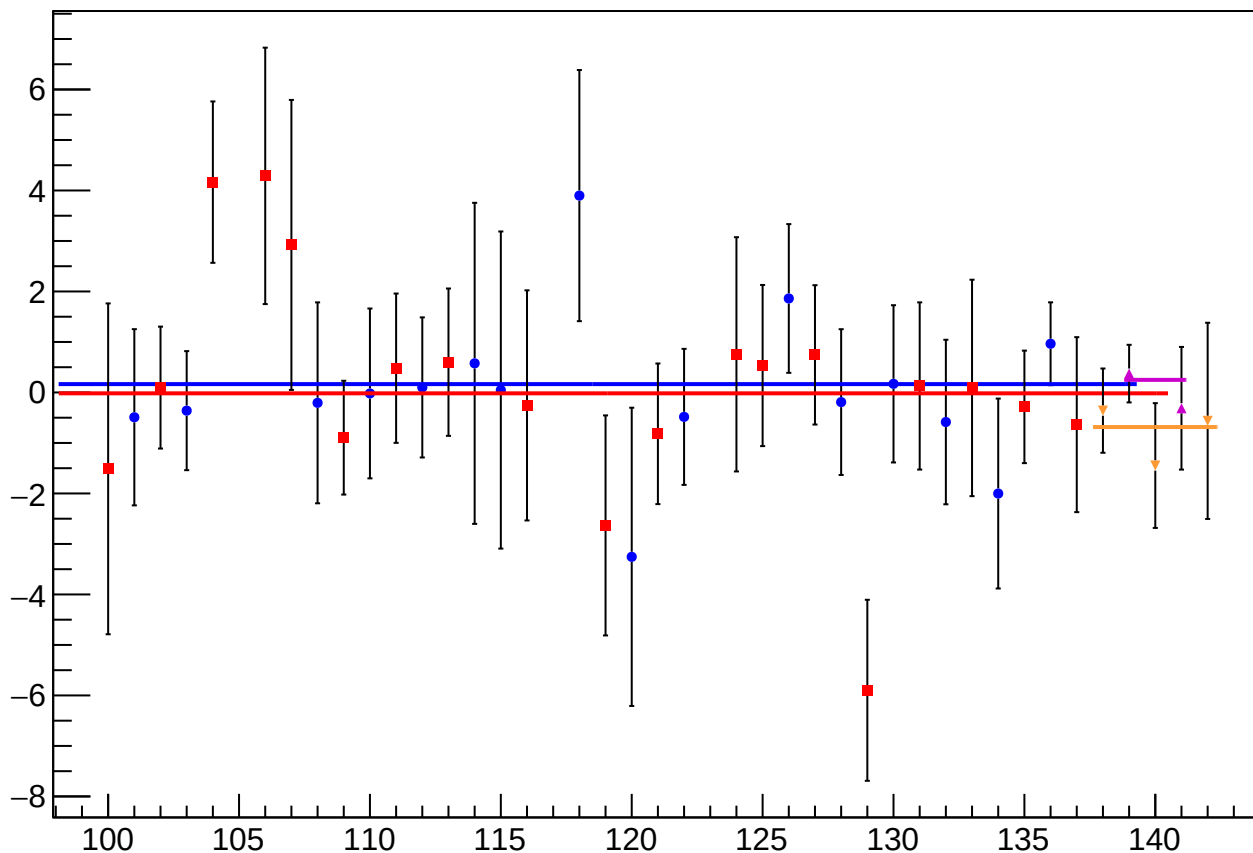
Left In: 7855.116+/-4.254 χ^2/NDF : 27243.2/1

+ sign 9766.686+/-2.326 χ^2/NDF : 920787.9/18

All: 9605.211+/-1.626 χ^2/NDF : 1947237.0/39

- sign 9450.750+/-2.275 χ^2/NDF : 1017018.6/20

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165 ± 0.386 χ^2/NDF : 8.1/15

Left Out: -0.685 ± 0.651 χ^2/NDF : 0.5/2

Right Out: -0.017 ± 0.372 χ^2/NDF : 25.2/18

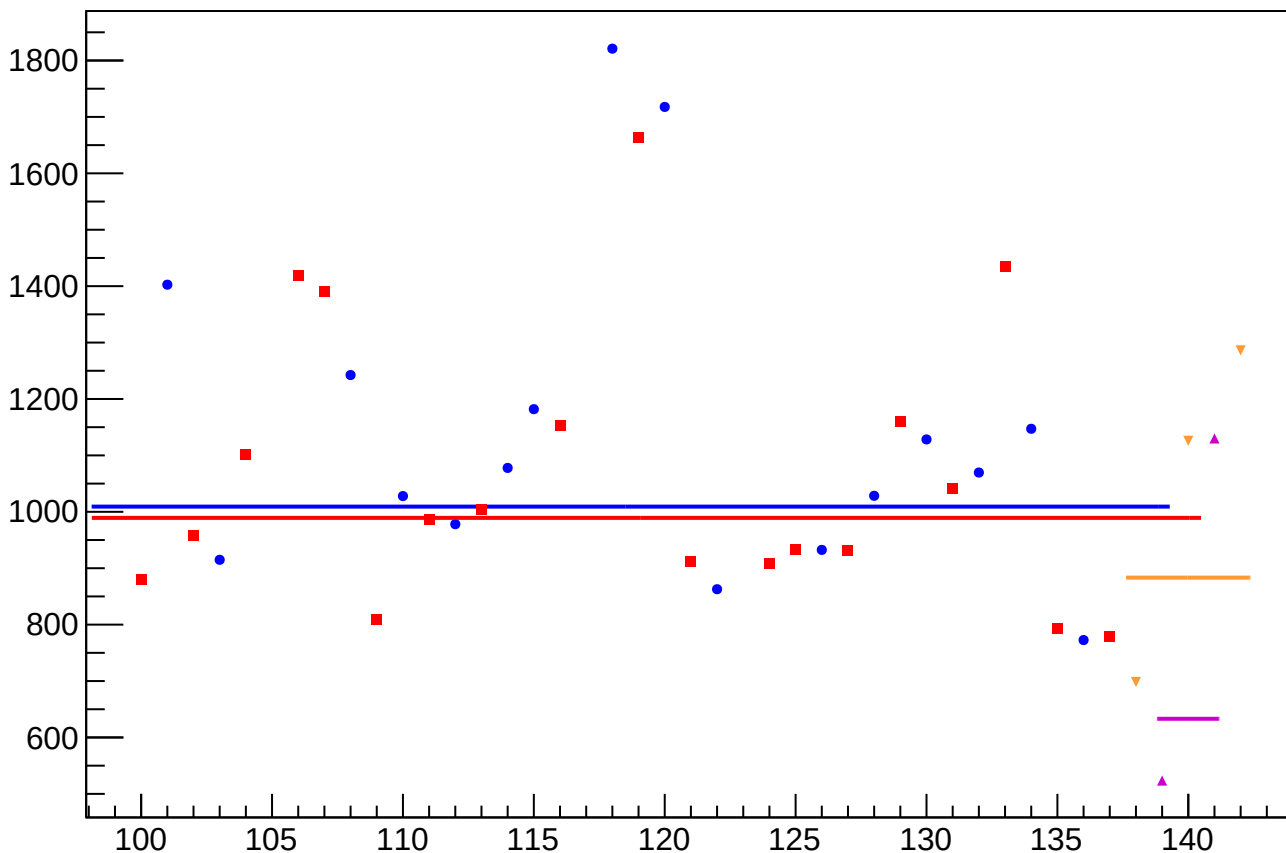
Left In: 0.249 ± 0.516 χ^2/NDF : 0.3/1

+ sign -0.056 ± 0.332 χ^2/NDF : 9.9/18

All: 0.015 ± 0.223 χ^2/NDF : 35.6/39

- sign 0.074 ± 0.302 χ^2/NDF : 25.6/20

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222 $\pm$ 0.273 χ^2/NDF : 699303.9/15

Left Out: 883.305 $\pm$ 0.461 χ^2/NDF : 261431.2/2

Right Out: 989.246 $\pm$ 0.263 χ^2/NDF : 575759.9/18

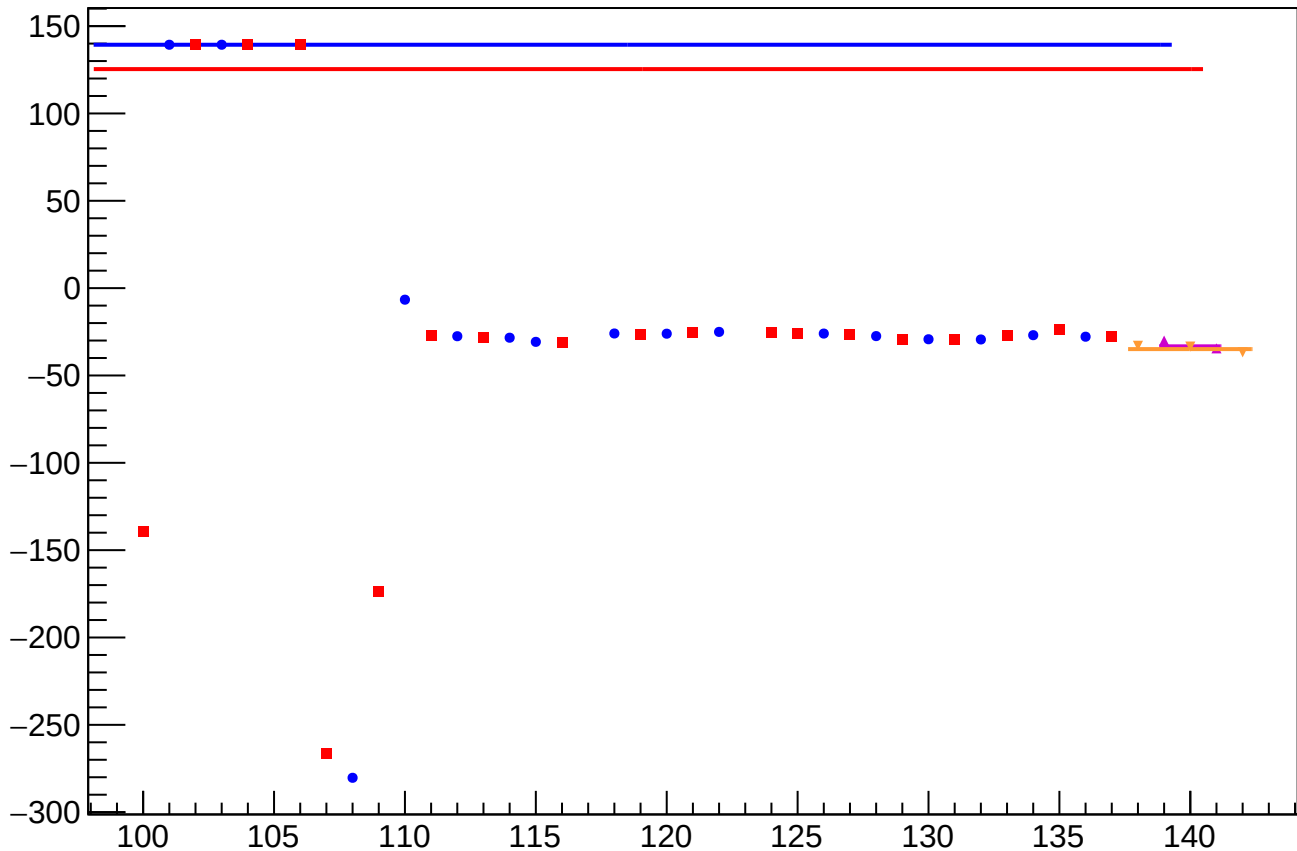
Left In: 633.119 $\pm$ 0.365 χ^2/NDF : 408474.3/1

+ sign 976.455 $\pm$ 0.235 χ^2/NDF : 1016028.7/18

All: 916.737 $\pm$ 0.158 χ^2/NDF : 2744441.2/39

- sign 867.427 $\pm$ 0.213 χ^2/NDF : 1610461.2/20

yield_cav4bX_mean vs Slug



Right In: 139.337 $\pm$ 0.000 χ^2 /NDF: 47088045550.1/15

Left Out: -34.900 $\pm$ 0.001 χ^2 /NDF: 2234149.4/2

+ sign 139.336 $\pm$ 0.000 χ^2 /NDF: 69605728615.6/18

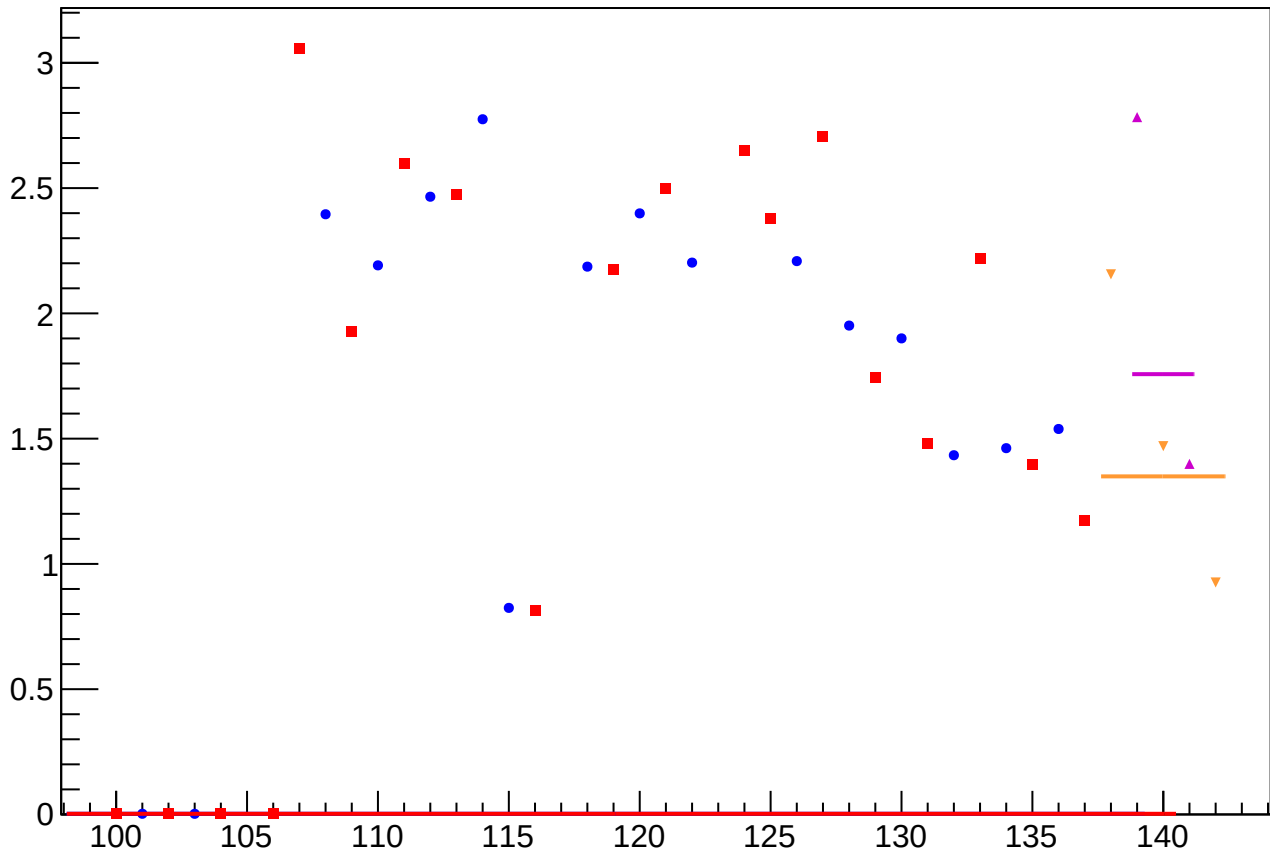
All: 131.818 $\pm$ 0.000 χ^2 /NDF: 793036772780

Right Out: 125.392 $\pm$ 0.000 χ^2 /NDF: 774173119844052.5/18

- sign 125.391 $\pm$ 0.000 χ^2 /NDF: 774183425319478

Left In: -33.317 $\pm$ 0.002 χ^2 /NDF: 1553538.4/1

yield_cav4bX_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 9565657.6/15

Left Out: 1.349 $\pm$ 0.001 χ^2 /NDF:315105.7/2

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 9733783.1/18

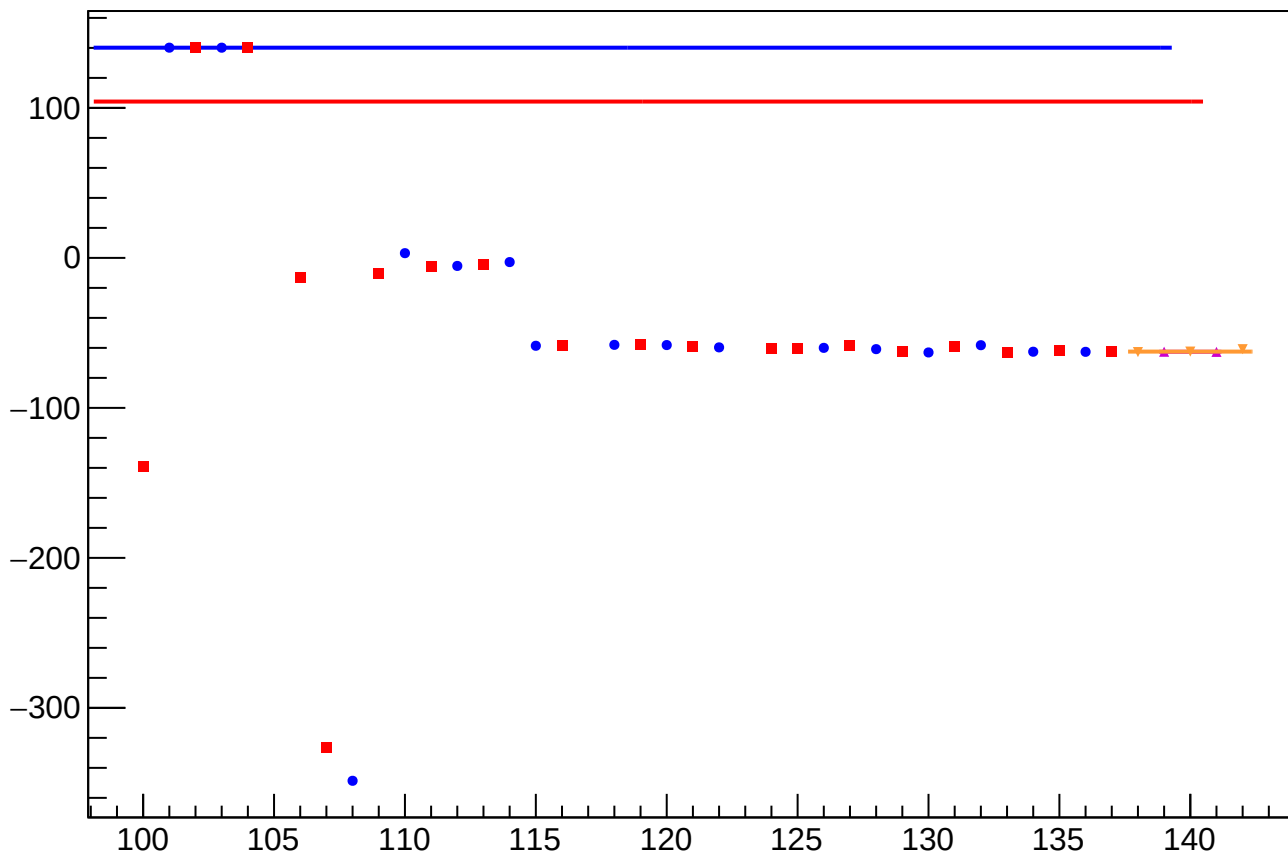
Left In: 1.757 $\pm$ 0.001 χ^2 /NDF:300579.9/1

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12570992.9/18

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 25124899.3/39

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12553696.4/20

yield_cav4bY_mean vs Slug



Right In: 140.143+/-0.000 χ^2/NDF : 187461723281.9/15

Left Out: -62.475+/-0.000 χ^2/NDF : 1097216.2/2

Right Out: 104.224+/-0.000 χ^2/NDF : 1257401882577977.0/18

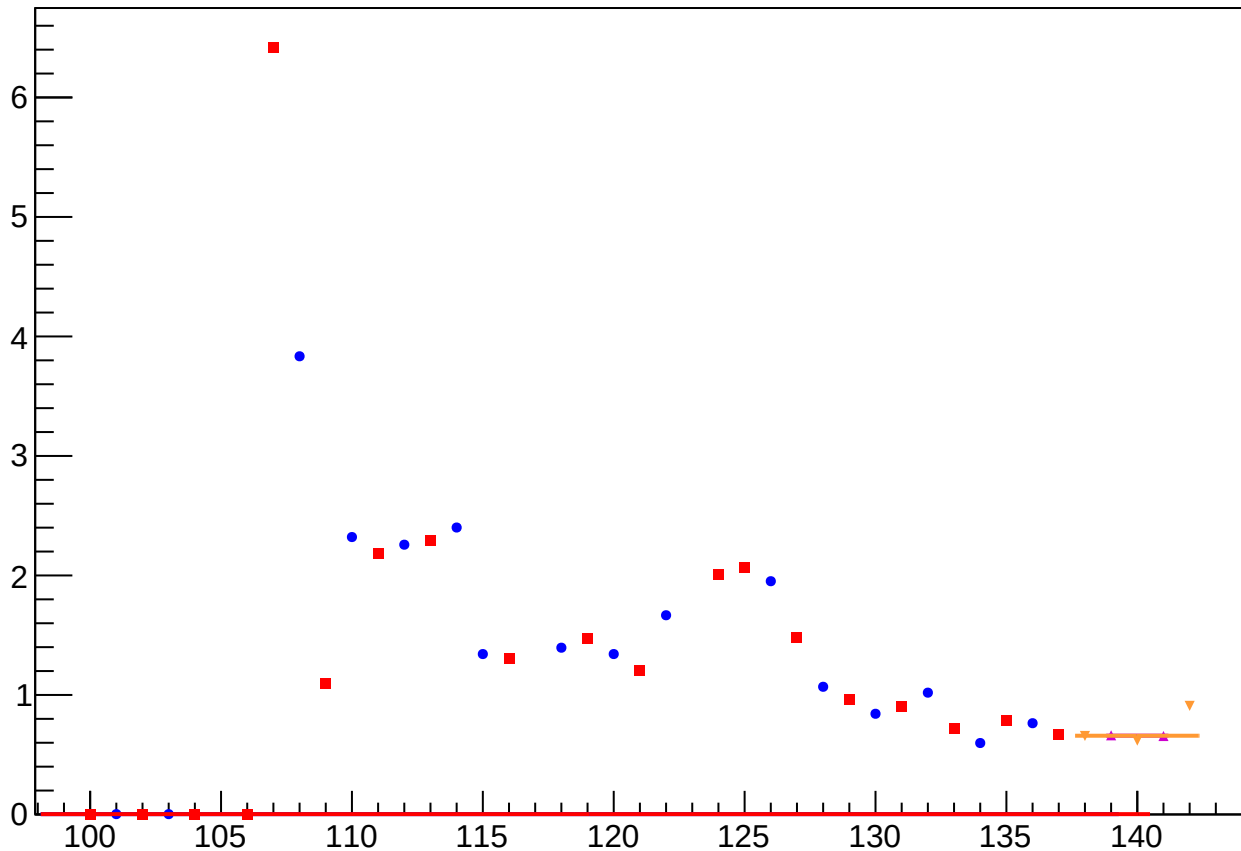
Left In: -62.601+/-0.001 χ^2/NDF : 9656.7/1

+ sign 140.139+/-0.000 χ^2/NDF : 359089823310.3/1

All: 120.828+/-0.000 χ^2/NDF : 138116532816

- sign 104.221+/-0.000 χ^2/NDF : 125750870649862

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 10578723.1/15

Left Out: 0.659+/-0.000 χ^2/NDF :51747.4/2

Right Out: 0.003+/-0.000 χ^2/NDF : 10266772.6/18

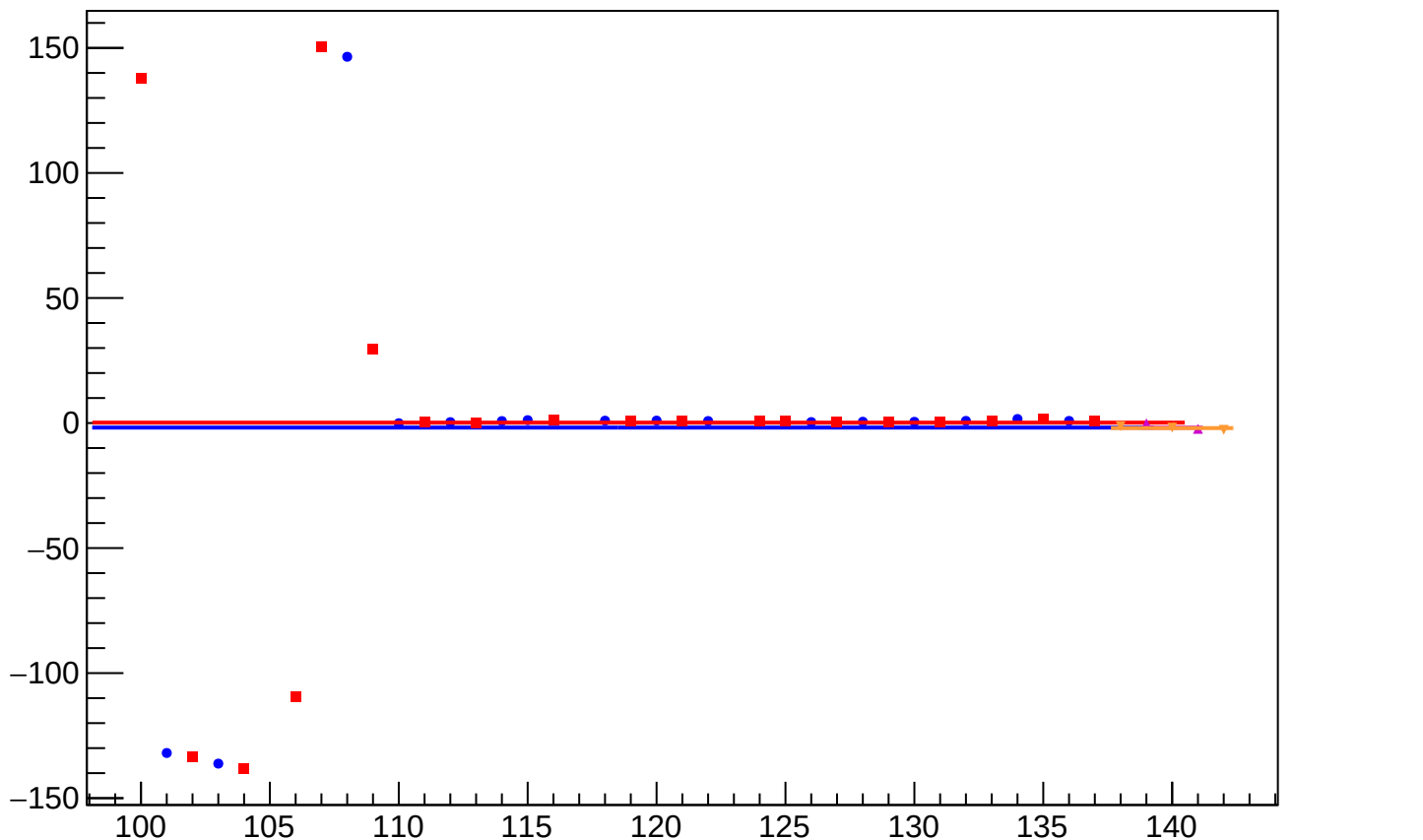
Left In: 0.659+/-0.000 χ^2/NDF :66.4/1

+ sign 0.003+/-0.000 χ^2/NDF : 14229757.7/18

All: 0.003+/-0.000 χ^2/NDF : 27807395.8/39

- sign 0.003+/-0.000 χ^2/NDF : 13577388.6/20

yield_cav4cX_mean vs Slug



Right In: -1.818+/-0.000 χ^2/NDF : 9887177310.2/15

Left Out: -2.016+/-0.000 χ^2/NDF : 1493605.2/2

Right Out: 0.165+/-0.000 χ^2/NDF : 3611245020.0/18

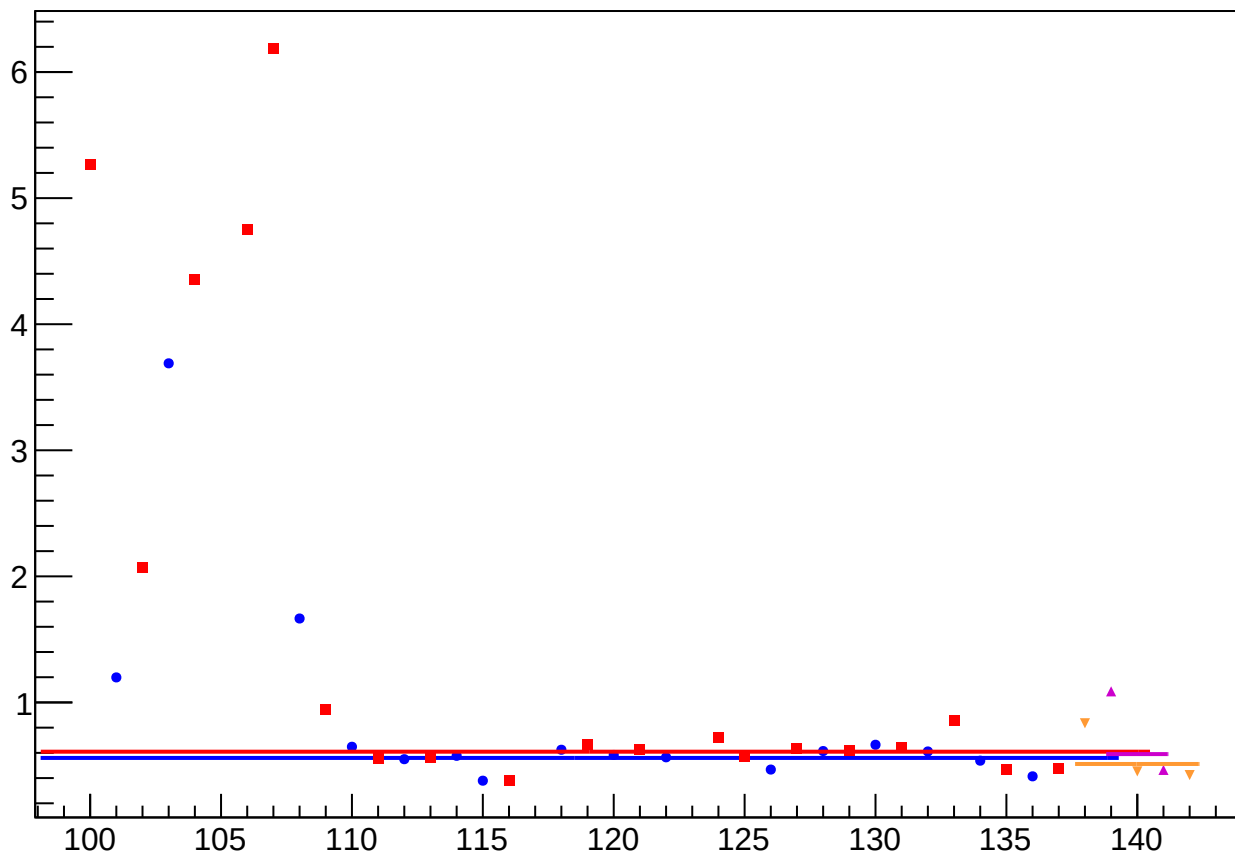
Left In: -1.859+/-0.001 χ^2/NDF : 2782979.1/1

+ sign -1.867+/-0.000 χ^2/NDF : 9888829902.2/18

All: -1.159+/-0.000 χ^2/NDF : 13538834566.2/20

- sign -0.257+/-0.000 χ^2/NDF : 3625454429.4/20

yield_cav4cX_rms vs Slug



Right In: 0.560 ± 0.000 χ^2/NDF : 1598439.5/15

Left Out: 0.512 ± 0.000 χ^2/NDF : 244366.4/2

Right Out: 0.609 ± 0.000 χ^2/NDF : 2476010.3/18

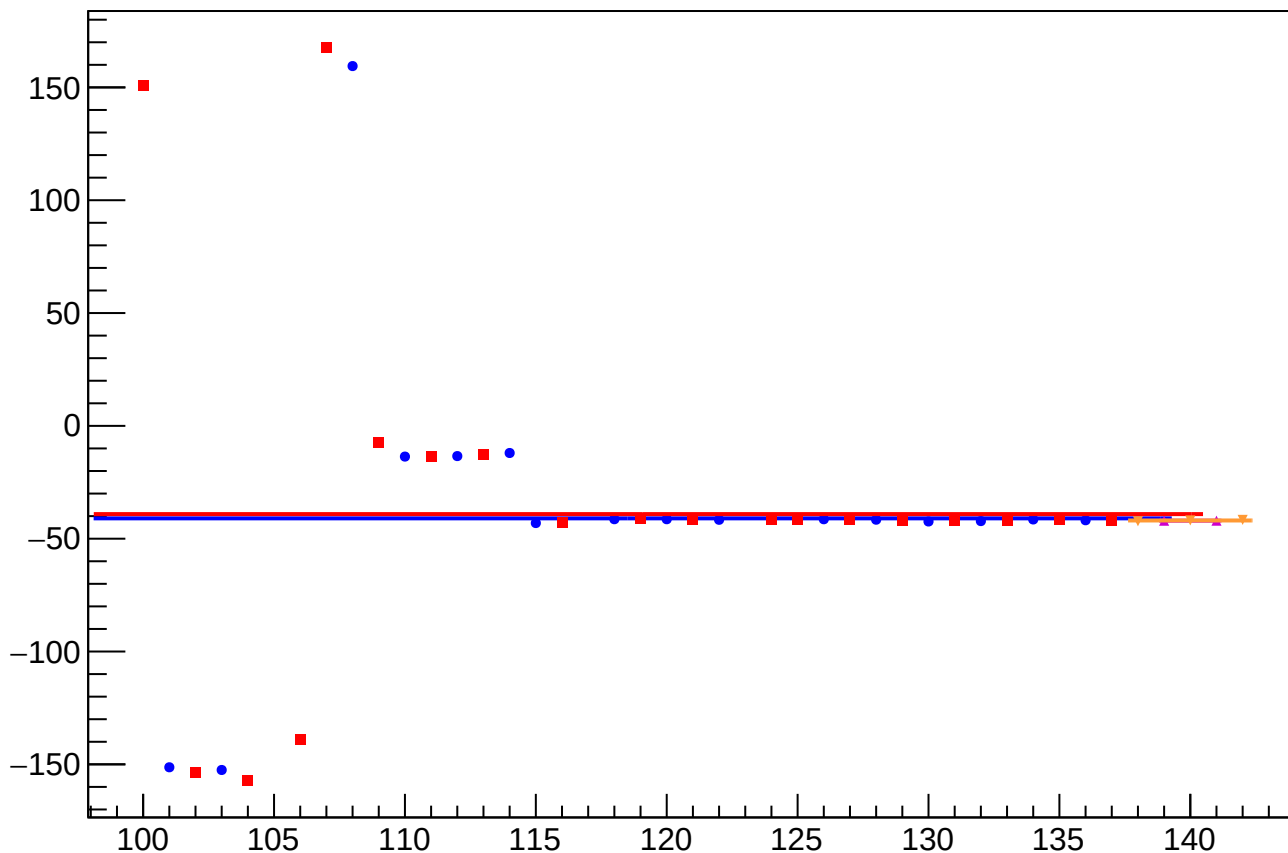
Left In: 0.590 ± 0.000 χ^2/NDF : 440322.9/1

+ sign 0.548 ± 0.000 χ^2/NDF : 1861363.4/18

All: 0.573 ± 0.000 χ^2/NDF : 4842424.9/39

- sign 0.605 ± 0.000 χ^2/NDF : 2918356.7/20

yield_cav4cY_mean vs Slug



Right In: -40.987 $\pm$ 0.000 χ^2 /NDF: 3449622021.8/15

Left Out: -41.926 $\pm$ 0.000 χ^2 /NDF: 596911.5/2

Right Out: -39.101 $\pm$ 0.000 χ^2 /NDF: 2480133442.0/18

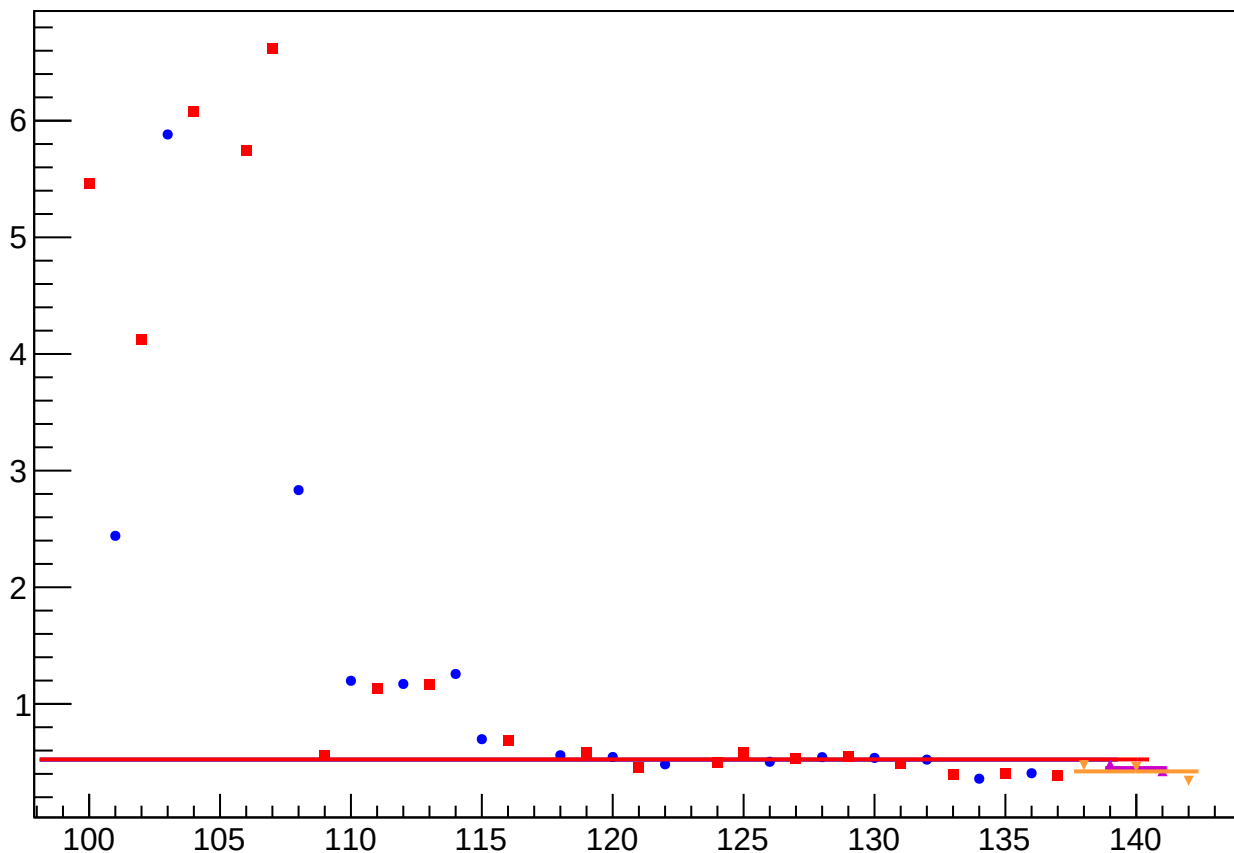
Left In: -42.017 $\pm$ 0.000 χ^2 /NDF: 349.2/1

+ sign -41.318 $\pm$ 0.000 χ^2 /NDF: 3455950318.4/18

All: -40.676 $\pm$ 0.000 χ^2 /NDF: 6005527100.7/1

- sign -39.953 $\pm$ 0.000 χ^2 /NDF: 2524618143.9/20

yield_cav4cY_rms vs Slug



Right In: 0.522 $\pm$ 0.000 χ^2 /NDF: 2949327.6/15

Left Out: 0.421 $\pm$ 0.000 χ^2 /NDF:73913.0/2

Right Out: 0.524 $\pm$ 0.000 χ^2 /NDF: 3264460.0/18

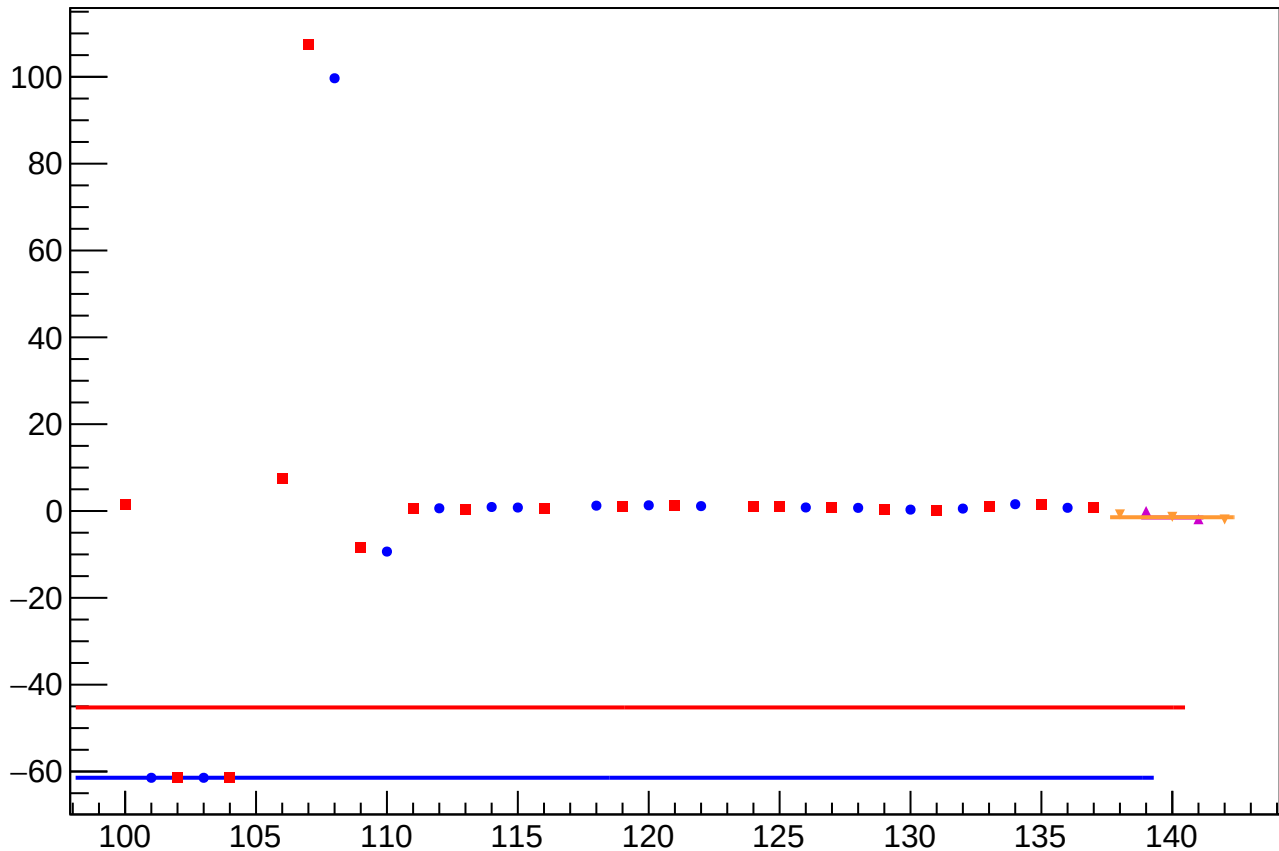
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:13495.8/1

+ sign 0.487 $\pm$ 0.000 χ^2 /NDF: 3155285.8/18

All: 0.494 $\pm$ 0.000 χ^2 /NDF: 6497410.2/39

- sign 0.502 $\pm$ 0.000 χ^2 /NDF: 3335422.7/20

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF : 273496278670.9/15

Left Out: -1.437+/-0.000 χ^2/NDF : 1229886.6/2

Right Out: -45.245+/-0.000 χ^2/NDF : 357870328061478.0/18

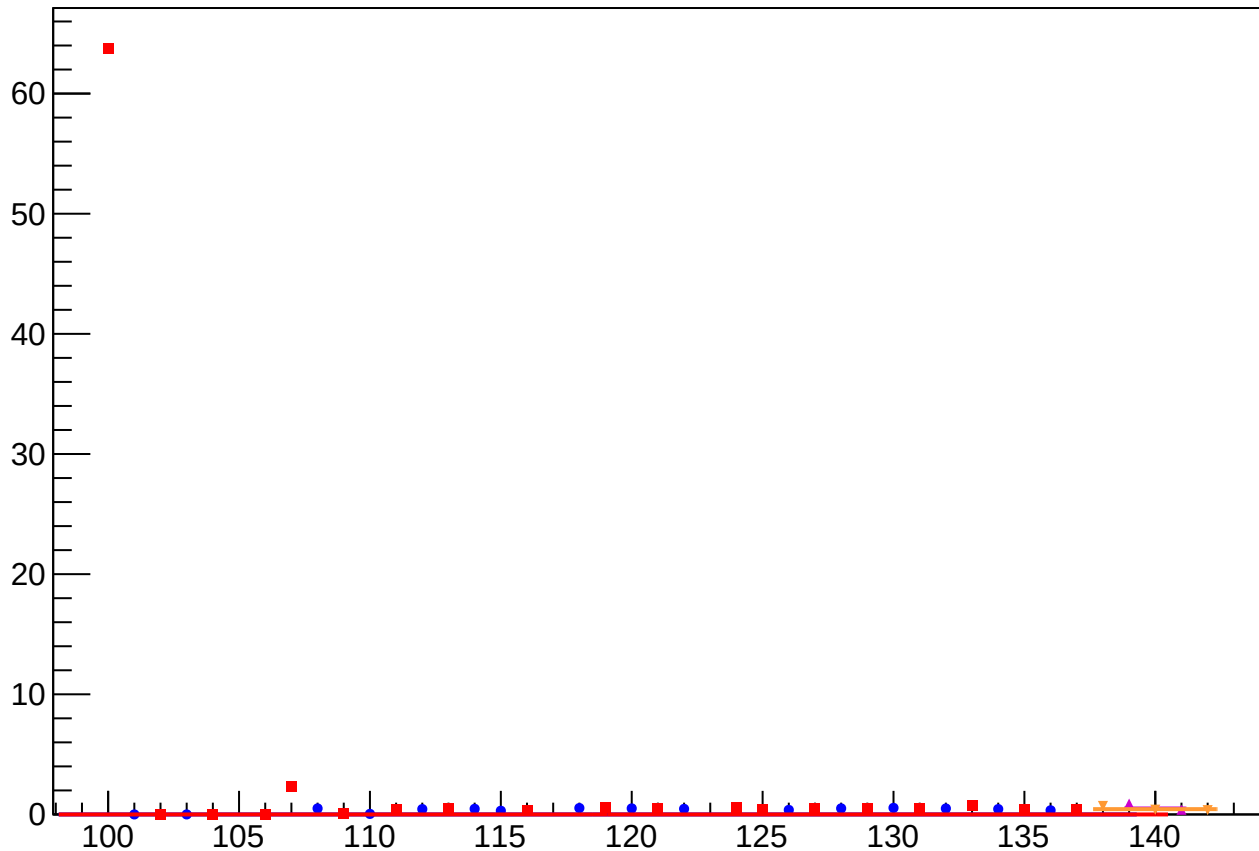
Left In: -1.502+/-0.000 χ^2/NDF : 2891561.6/1

+ sign -61.435+/-0.000 χ^2/NDF : 299946977516.3/1

All: -52.748+/-0.000 χ^2/NDF : 409154486538

- sign -45.245+/-0.000 χ^2/NDF : 357879962418144.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 9156181.6/15

Left Out: 0.442+/-0.000 χ^2/NDF :236358.0/2

Right Out: 0.001+/-0.000 χ^2/NDF : 9345109.5/18

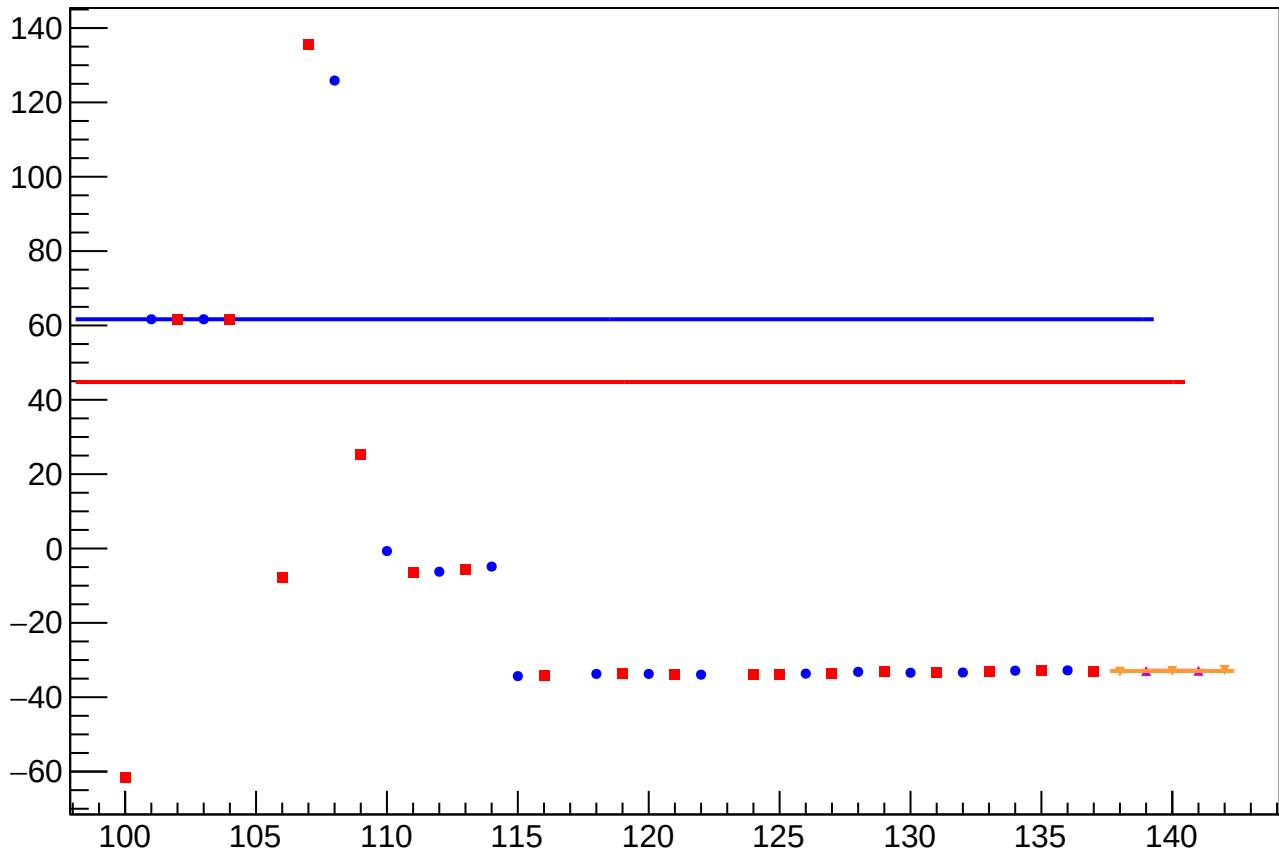
Left In: 0.495+/-0.000 χ^2/NDF :432233.1/1

+ sign 0.001+/-0.000 χ^2/NDF : 12243895.8/18

All: 0.001+/-0.000 χ^2/NDF : 24475651.6/39

- sign 0.001+/-0.000 χ^2/NDF : 12231744.5/20

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF : 369463062074.0/15

Left Out: -32.949+/-0.000 χ^2/NDF : 677563.0/2

Right Out: 44.786+/-0.000 χ^2/NDF : 366094778229951.8/18

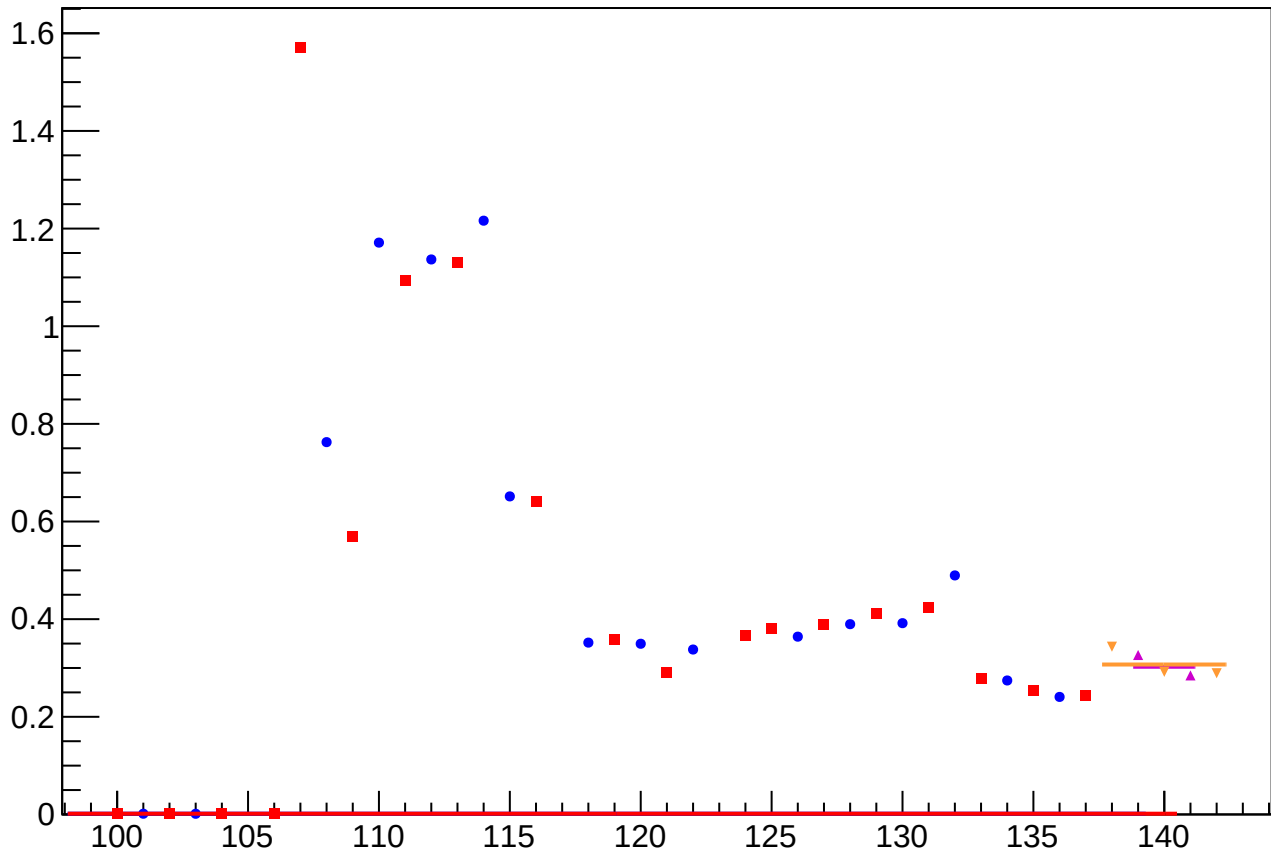
Left In: -32.891+/-0.000 χ^2/NDF : 11084.3/1

+ sign 61.656+/-0.000 χ^2/NDF : 553535373620.2/18

All: 52.684+/-0.000 χ^2/NDF : 4178509252551.8/18

- sign 44.782+/-0.000 χ^2/NDF : 366203550630877.1/18

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 11024564.1/15

Left Out: 0.307+/-0.000 χ^2/NDF : 24138.3/2

Right Out: 0.002+/-0.000 χ^2/NDF : 10559220.1/18

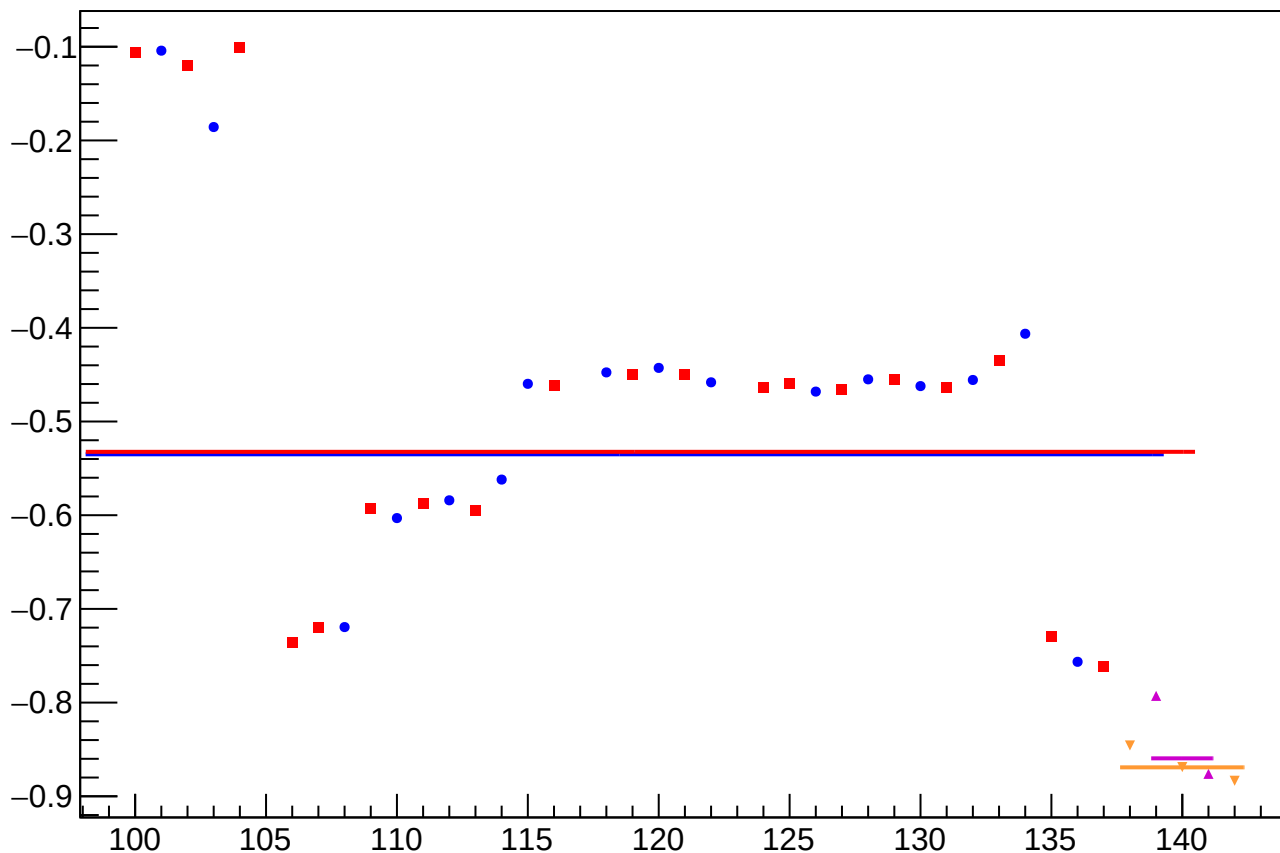
Left In: 0.303+/-0.000 χ^2/NDF : 15401.5/1

+ sign 0.002+/-0.000 χ^2/NDF : 14889183.0/18

All: 0.002+/-0.000 χ^2/NDF : 28730423.7/39

- sign 0.002+/-0.000 χ^2/NDF : 13841166.0/20

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF : 300846309.5/15

Left Out: -0.869+/-0.000 χ^2/NDF : 666132.4/2

Right Out: -0.532+/-0.000 χ^2/NDF : 214124648.5/18

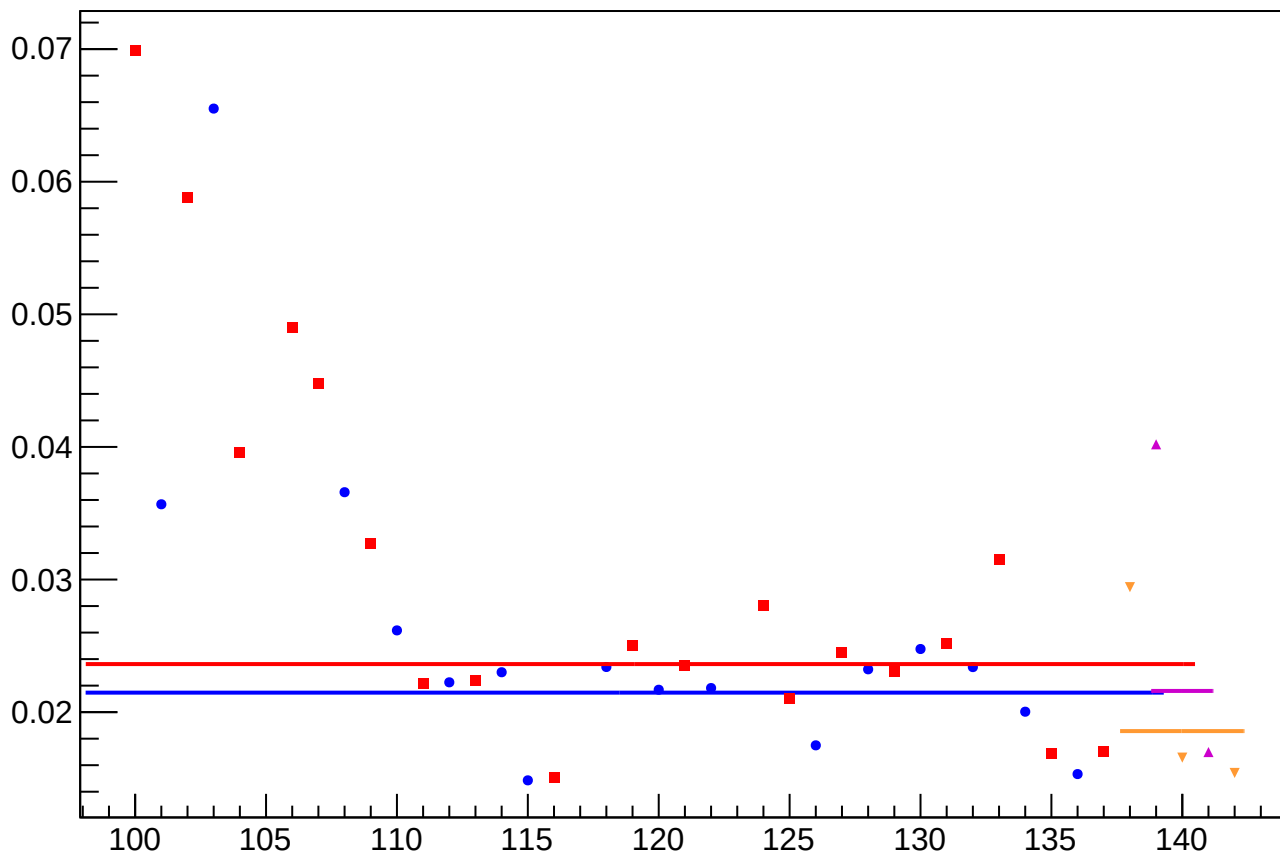
Left In: -0.860+/-0.000 χ^2/NDF : 2889585.6/1

+ sign -0.622+/-0.000 χ^2/NDF : 638263652.5/18

All: -0.612+/-0.000 χ^2/NDF : 1080757622.1/3

- sign -0.600+/-0.000 χ^2/NDF : 439304659.5/20

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 : 217626.2/2

Right Out: 0.024+/-0.000 χ^2/NDF : 1277268.6/18

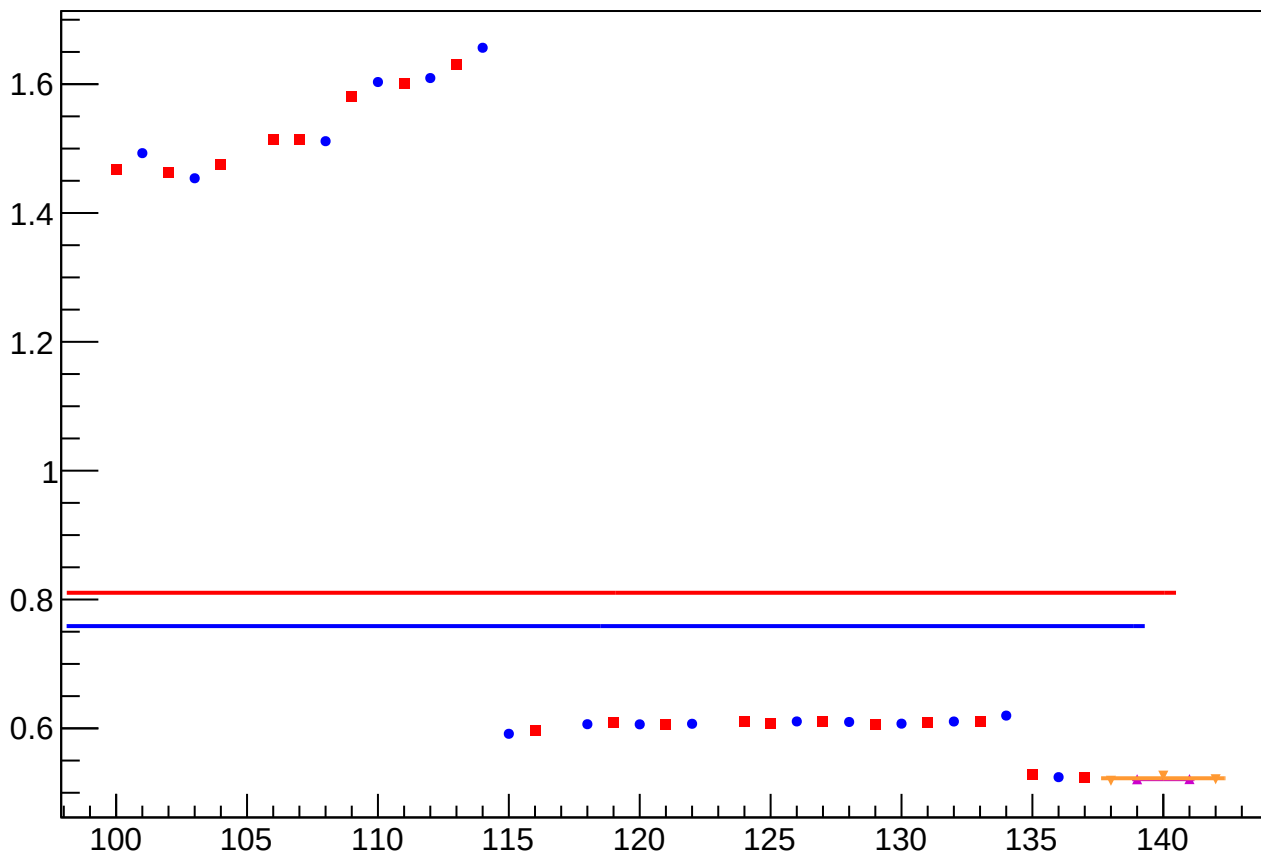
Left In: 0.022+/-0.000 χ^2/NDF : 449402.2/1

+ sign 0.021+/-0.000 χ^2/NDF : 1422350.6/18

All: 0.022+/-0.000 χ^2/NDF : 3252461.9/39

- sign 0.023+/-0.000 χ^2/NDF : 1743710.3/20

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF : 4304169889.2/15

Left Out: 0.523+/-0.000 χ^2/NDF :190969.2/2

Right Out: 0.810+/-0.000 χ^2/NDF : 4769381416.8/18

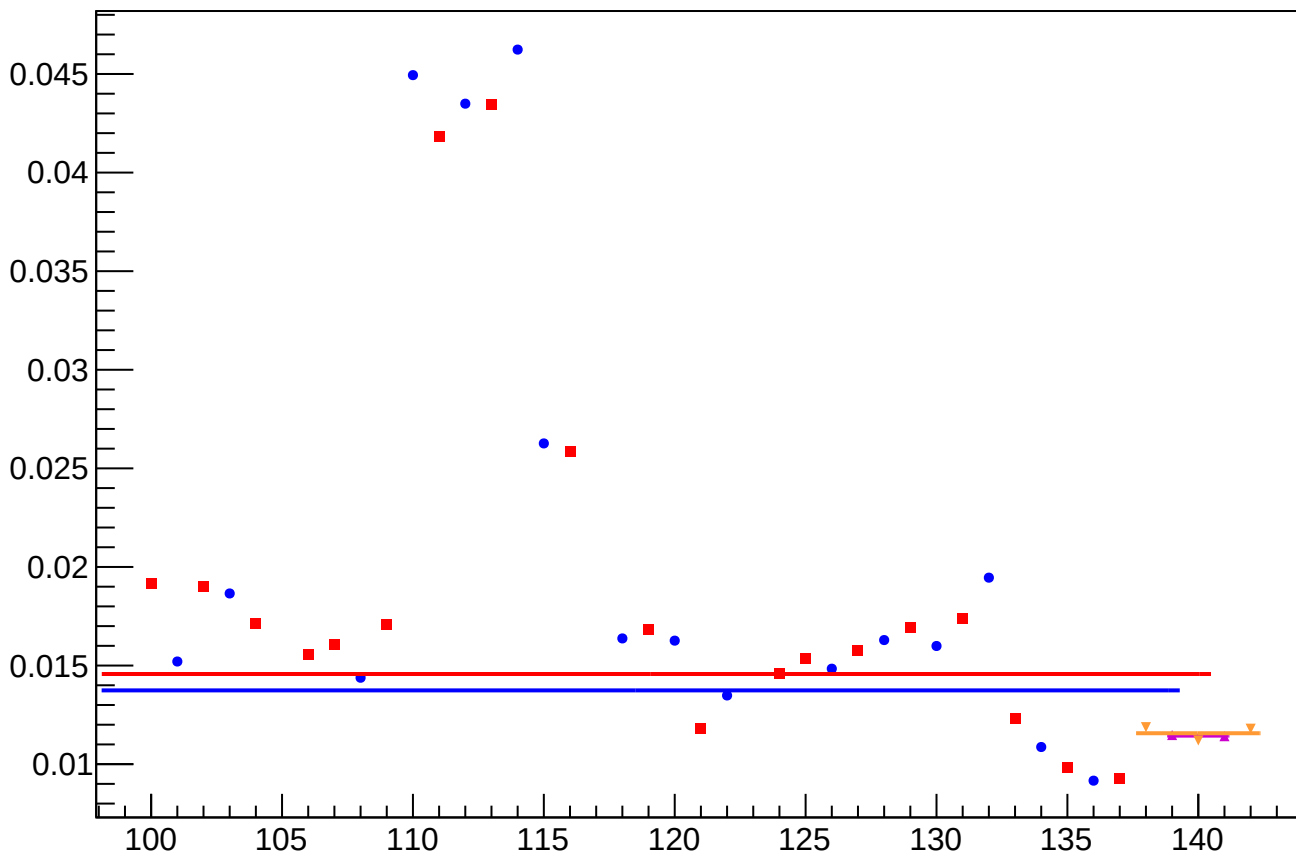
Left In: 0.521+/-0.000 χ^2/NDF :208.1/1

+ sign 0.683+/-0.000 χ^2/NDF : 4864683218.5/18

All: 0.702+/-0.000 χ^2/NDF : 10412901855.6/3

- sign 0.723+/-0.000 χ^2/NDF : 5514009990.3/20

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:3016.7/2

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1455054.4/18

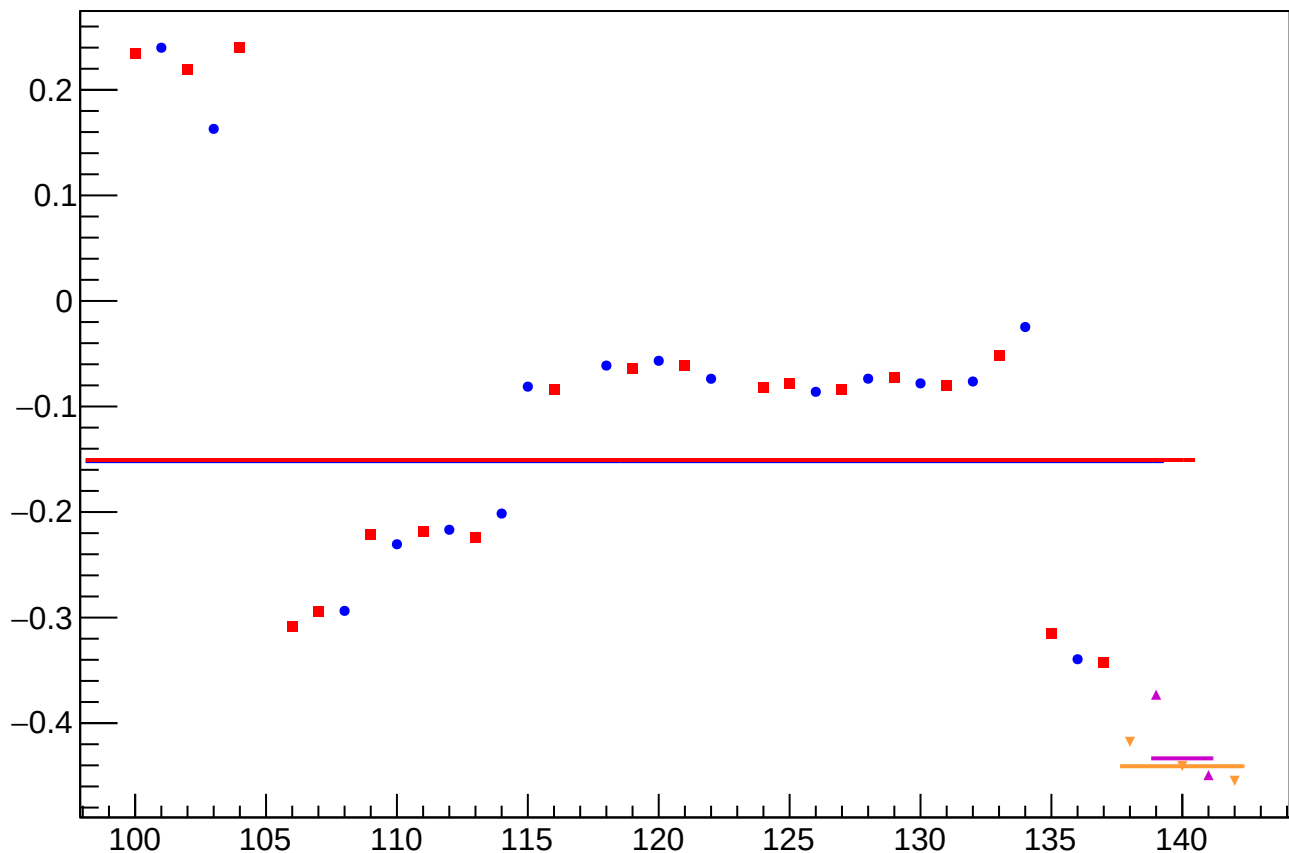
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:22.0/1

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1747621.8/18

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3391057.9/39

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1628756.8/20

yield_bpm4eX_mean vs Slug



Right In: -0.152 ± 0.000 $\chi^2/\text{NDF}: 276791709.3/15$

Left Out: -0.441 ± 0.000 $\chi^2/\text{NDF}: 710199.8/2$

Right Out: -0.151 ± 0.000 $\chi^2/\text{NDF}: 199410234.4/18$

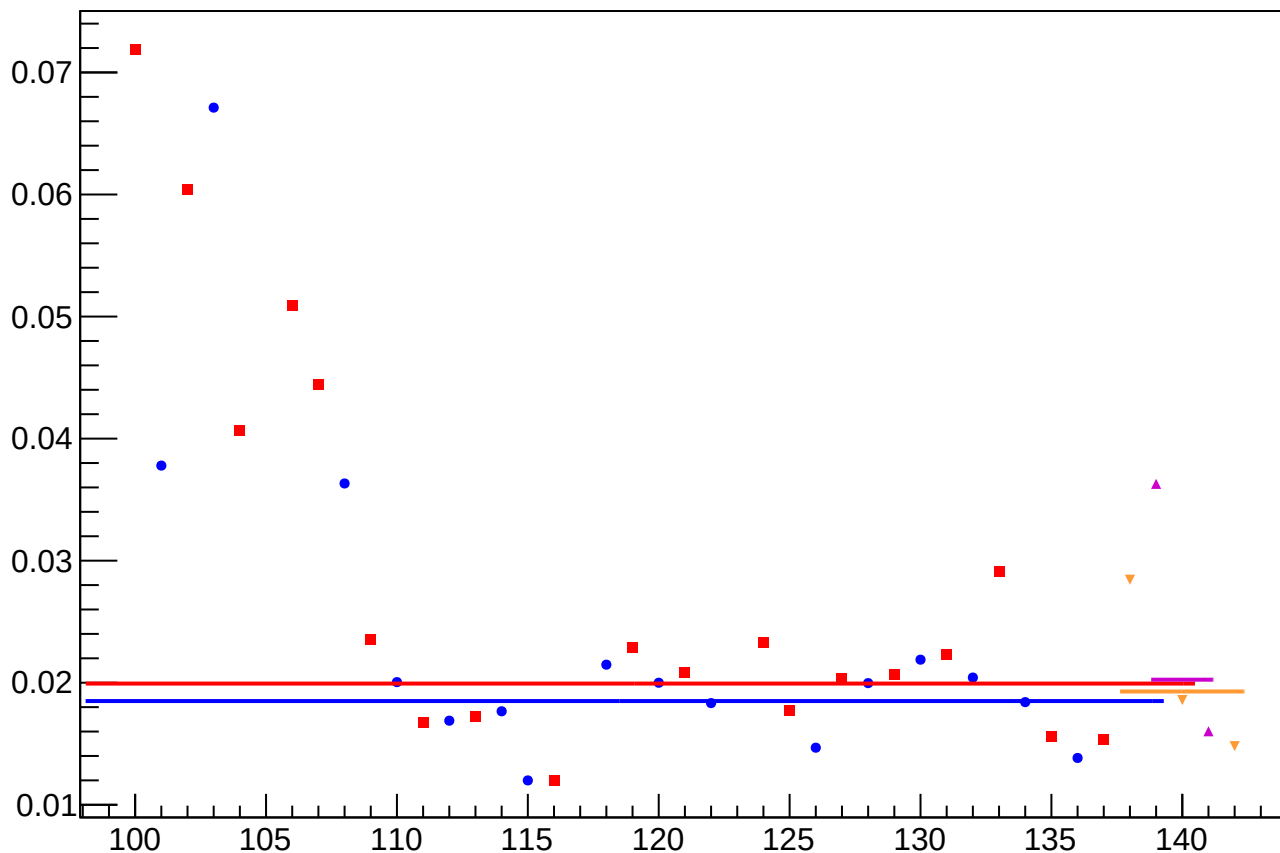
Left In: -0.433 ± 0.000 $\chi^2/\text{NDF}: 2932556.9/1$

+ sign -0.212 ± 0.000 $\chi^2/\text{NDF}: 544825571.6/18$

All: -0.207 ± 0.000 $\chi^2/\text{NDF}: 947832725.6/39$

- sign -0.202 ± 0.000 $\chi^2/\text{NDF}: 402190369.3/20$

yield_bpm4eX_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 1372359.1/15

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:197238.4/2

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1547561.3/18

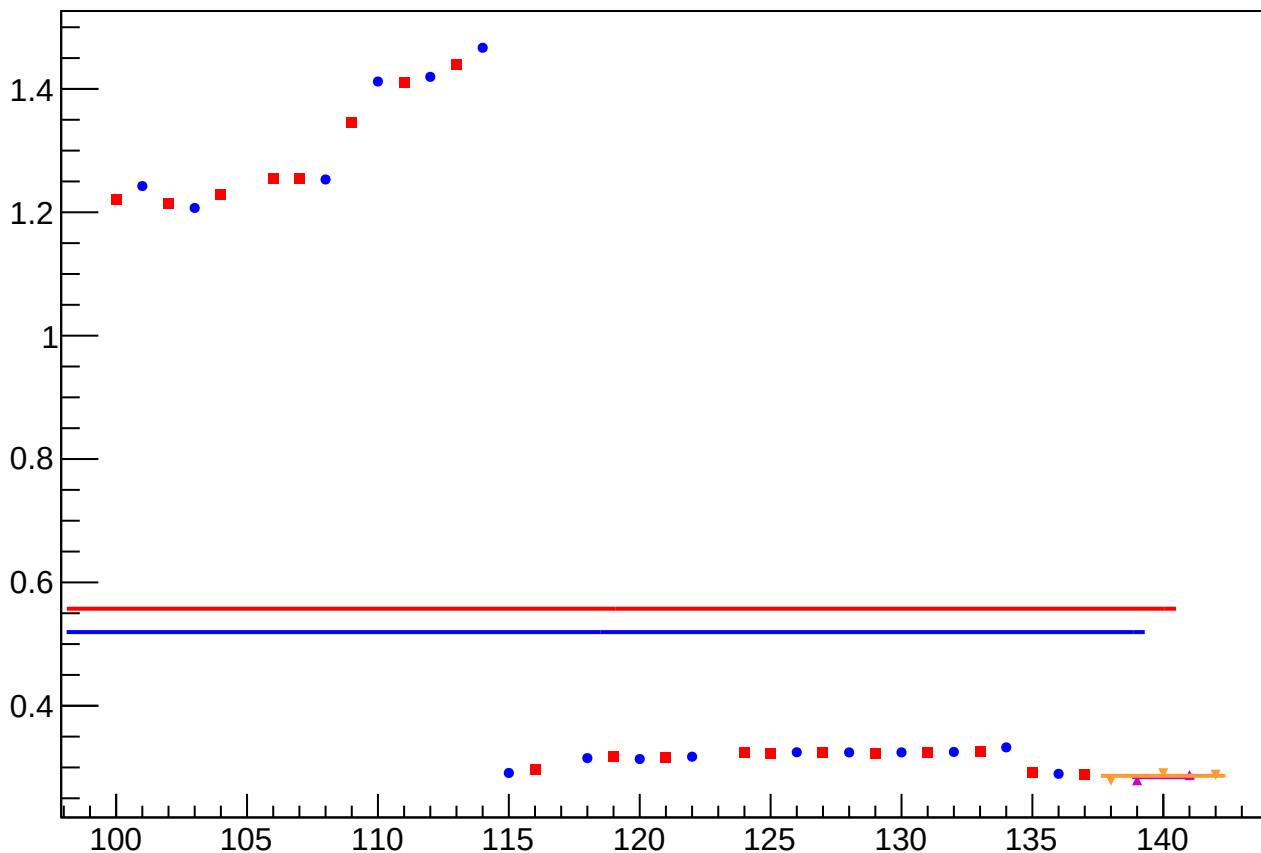
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:414967.5/1

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1573531.8/18

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3568333.1/39

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1963035.0/20

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF : 6319132275.3/15

Left Out: 0.286+/-0.000 χ^2/NDF :383959.9/2

Right Out: 0.557+/-0.000 χ^2/NDF : 6746144835.5/18

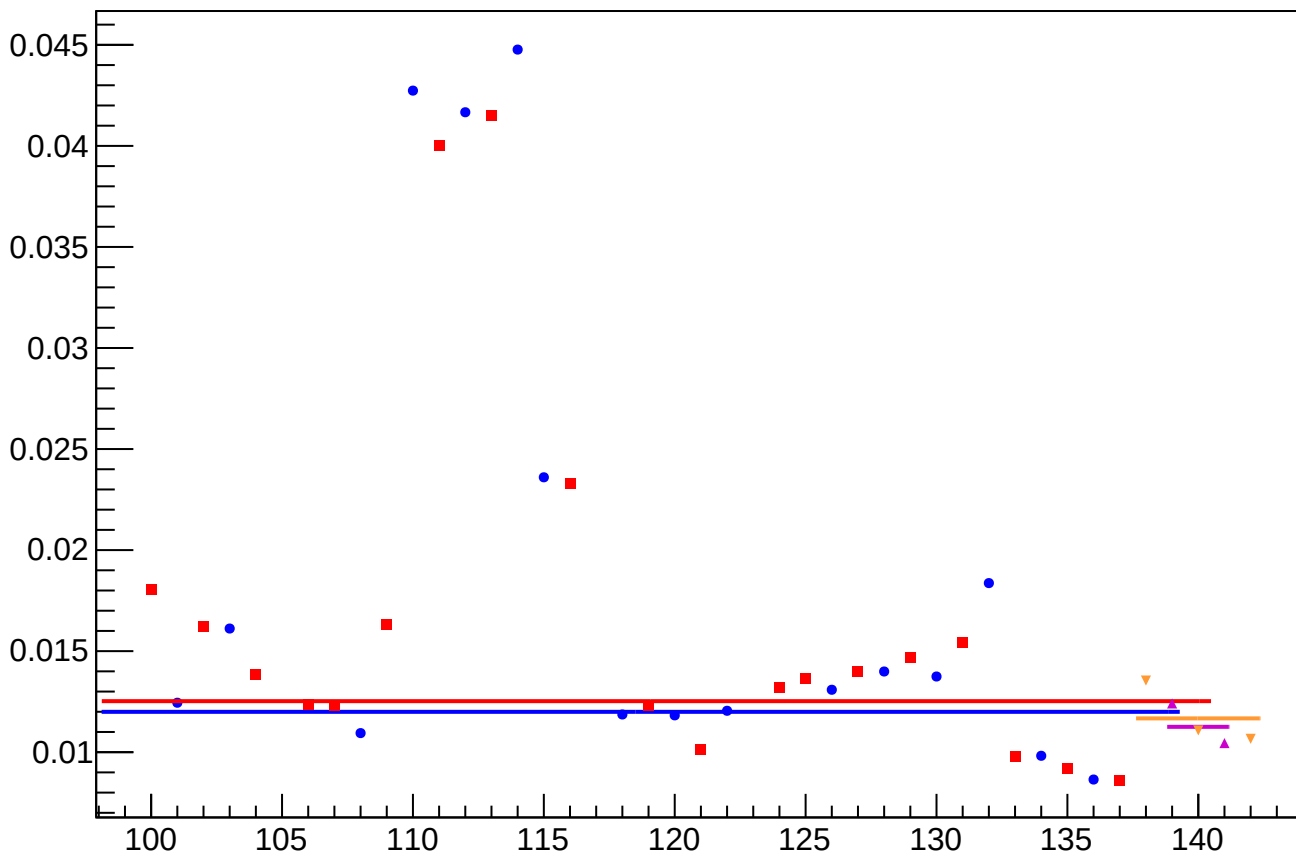
Left In: 0.284+/-0.000 χ^2/NDF :223511.2/1

+ sign 0.460+/-0.000 χ^2/NDF : 6895006879.1/18

All: 0.474+/-0.000 χ^2/NDF : 14390302370.6/3

- sign 0.489+/-0.000 χ^2/NDF : 7471945123.1/20

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1491608.2/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:40701.4/2

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1434210.5/18

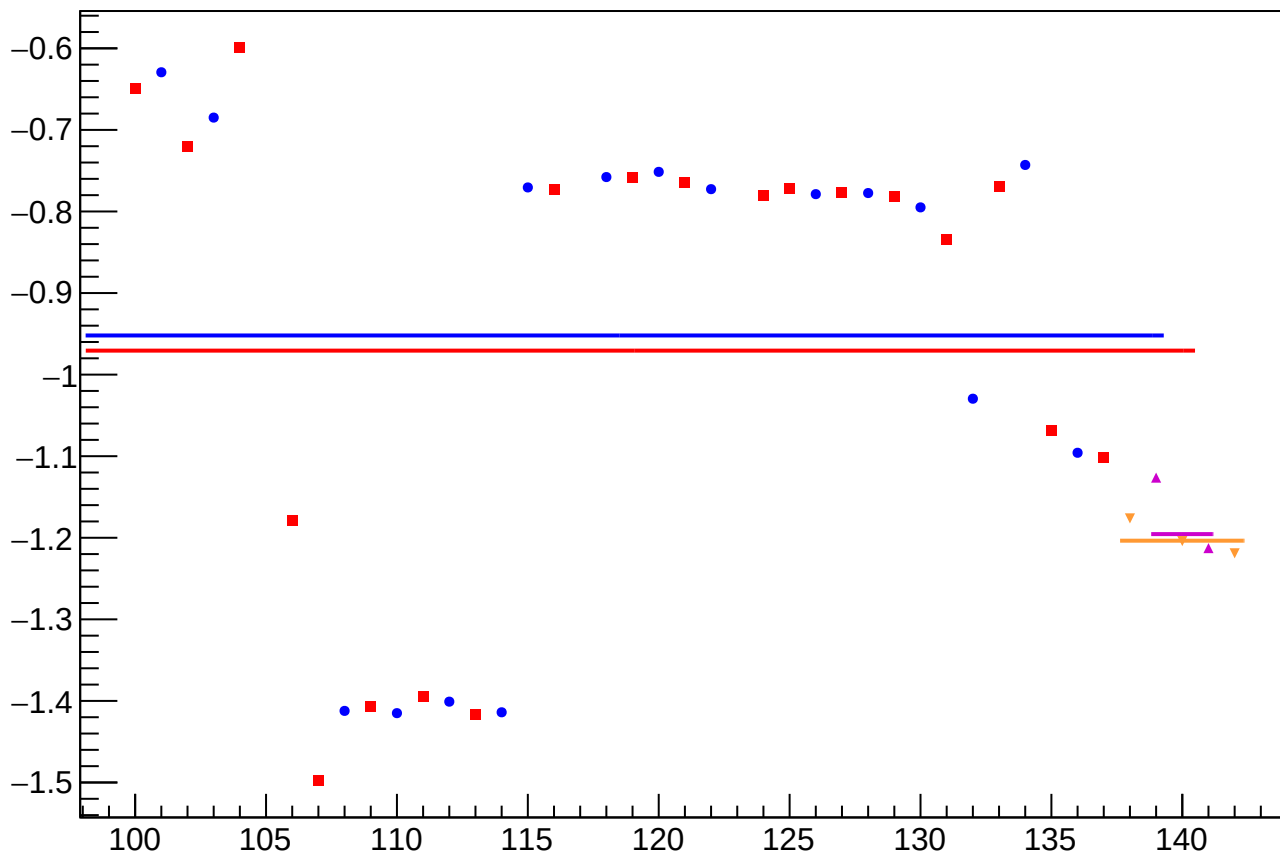
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:24134.1/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1534546.8/18

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3028981.4/39

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1489772.9/20

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF : 699468857.6/15

Left Out: -1.204+/-0.000 χ^2/NDF : 902326.2/2

Right Out: -0.971+/-0.000 χ^2/NDF : 714505458.0/18

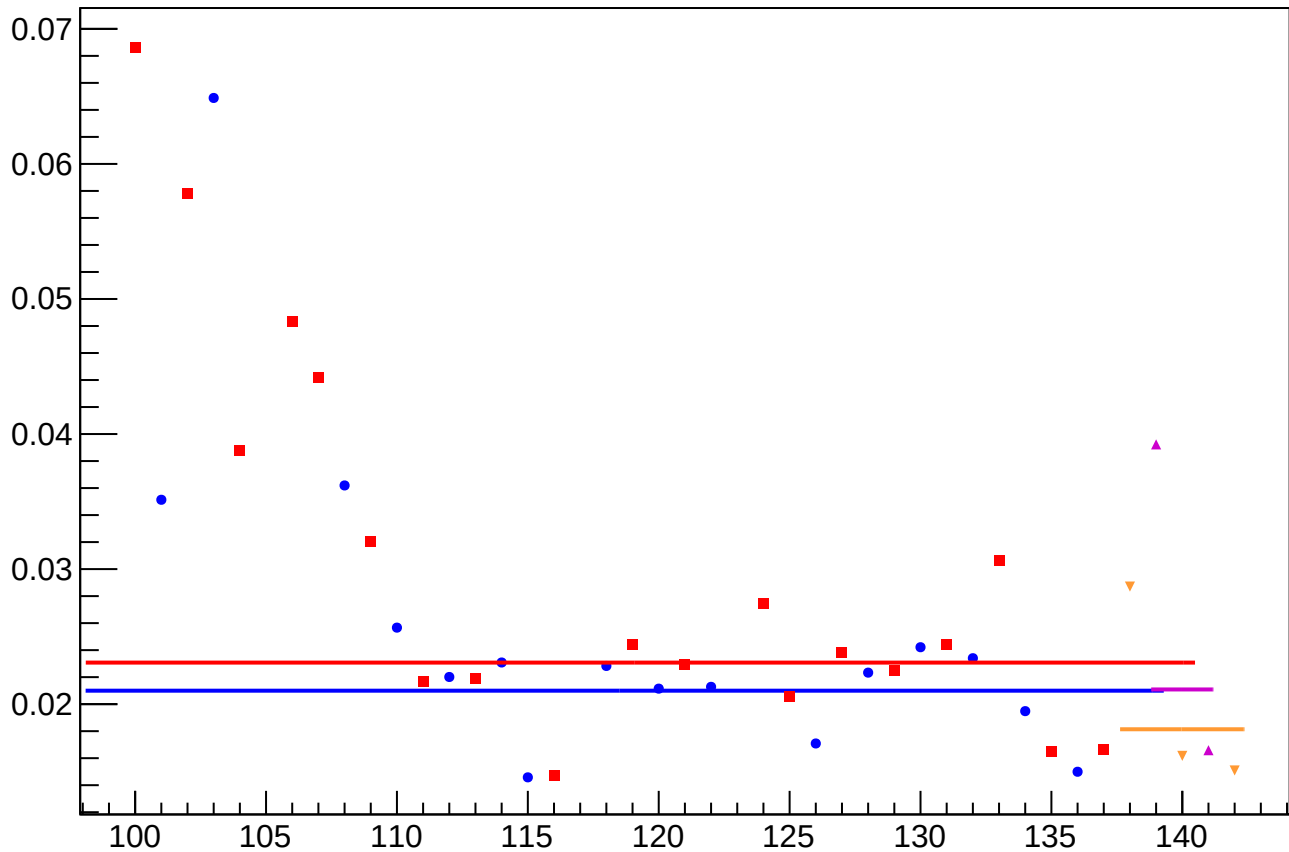
Left In: -1.196+/-0.000 χ^2/NDF : 3269432.6/1

+ sign -1.018+/-0.000 χ^2/NDF : 900499402.1/18

All: -1.018+/-0.000 χ^2/NDF : 1728416674.4/3

- sign -1.017+/-0.000 χ^2/NDF : 827917260.3/20

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF : 216619.0/2

Right Out: 0.023+/-0.000 χ^2/NDF : 1281311.4/18

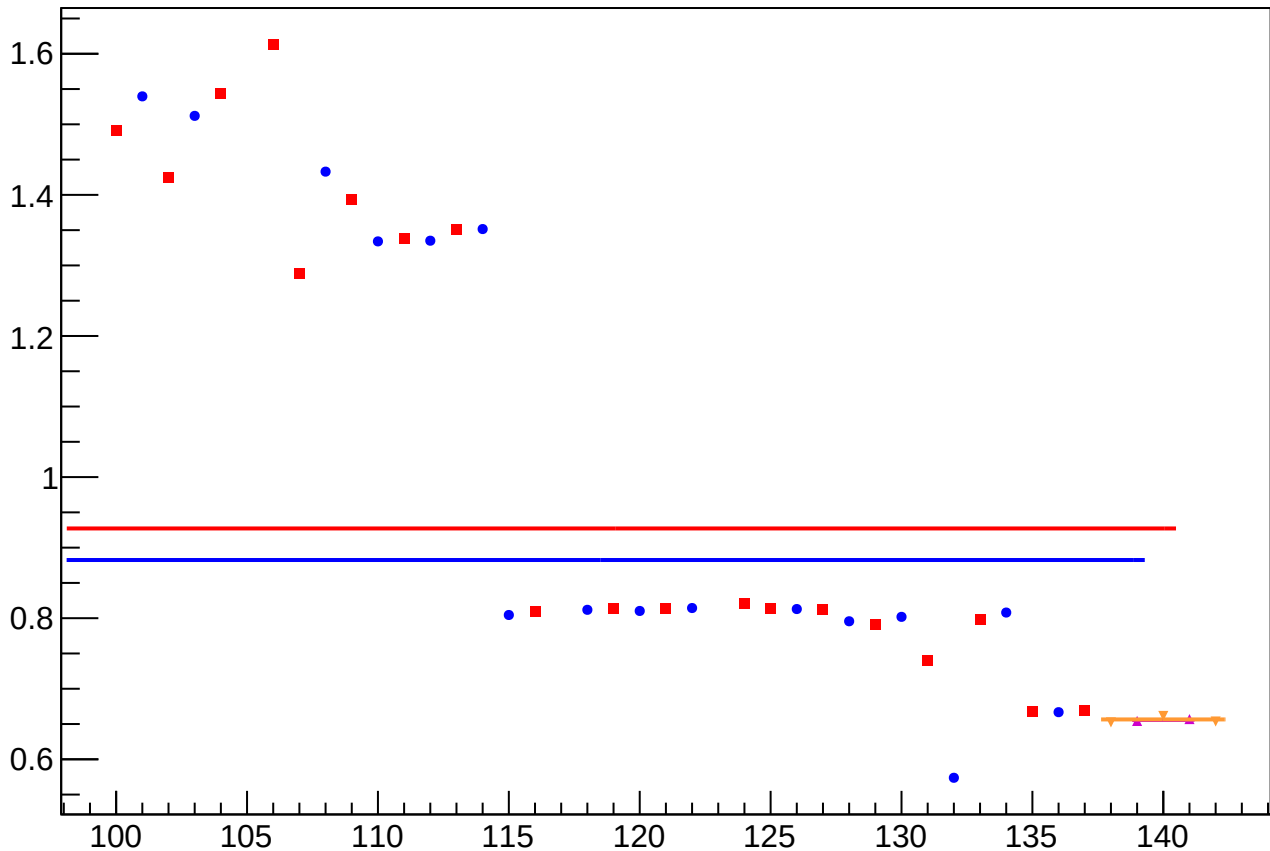
Left In: 0.021+/-0.000 χ^2/NDF : 449084.1/1

+ sign 0.020+/-0.000 χ^2/NDF : 1435218.0/18

All: 0.021+/-0.000 χ^2/NDF : 3267737.5/39

- sign 0.023+/-0.000 χ^2/NDF : 1747623.8/20

yield_bpm4acY_mean vs Slug



Right In: 0.882 $\pm$ 0.000 χ^2 /NDF: 2784156746.4/15

Left Out: 0.657 $\pm$ 0.000 χ^2 /NDF:274915.5/2

Right Out: 0.927 $\pm$ 0.000 χ^2 /NDF: 2762998321.3/18

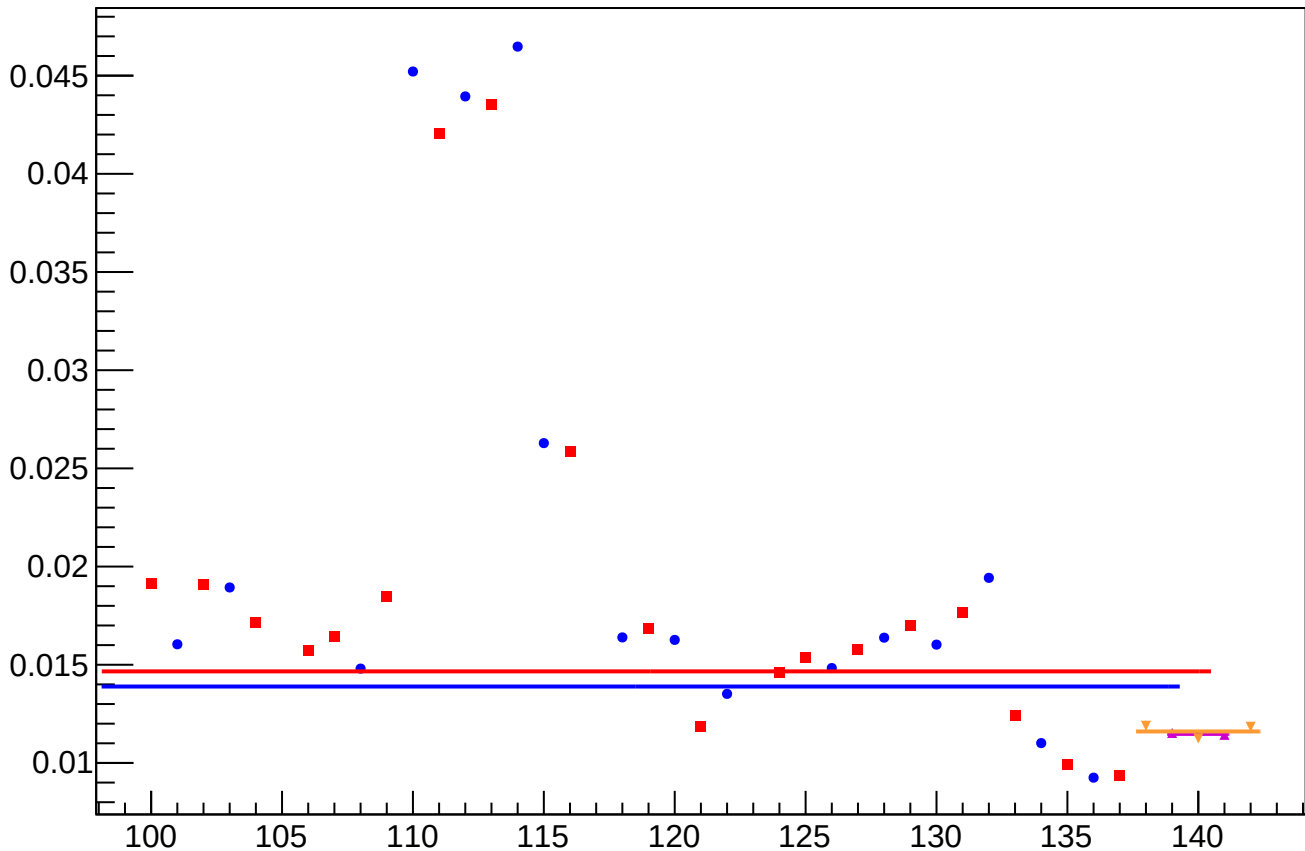
Left In: 0.656 $\pm$ 0.000 χ^2 /NDF:22461.5/1

+ sign 0.809 $\pm$ 0.000 χ^2 /NDF: 3290913318.6/18

All: 0.826 $\pm$ 0.000 χ^2 /NDF: 6729557027.7/39

- sign 0.844 $\pm$ 0.000 χ^2 /NDF: 3412339470.5/20

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:2834.4/2

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1467025.6/18

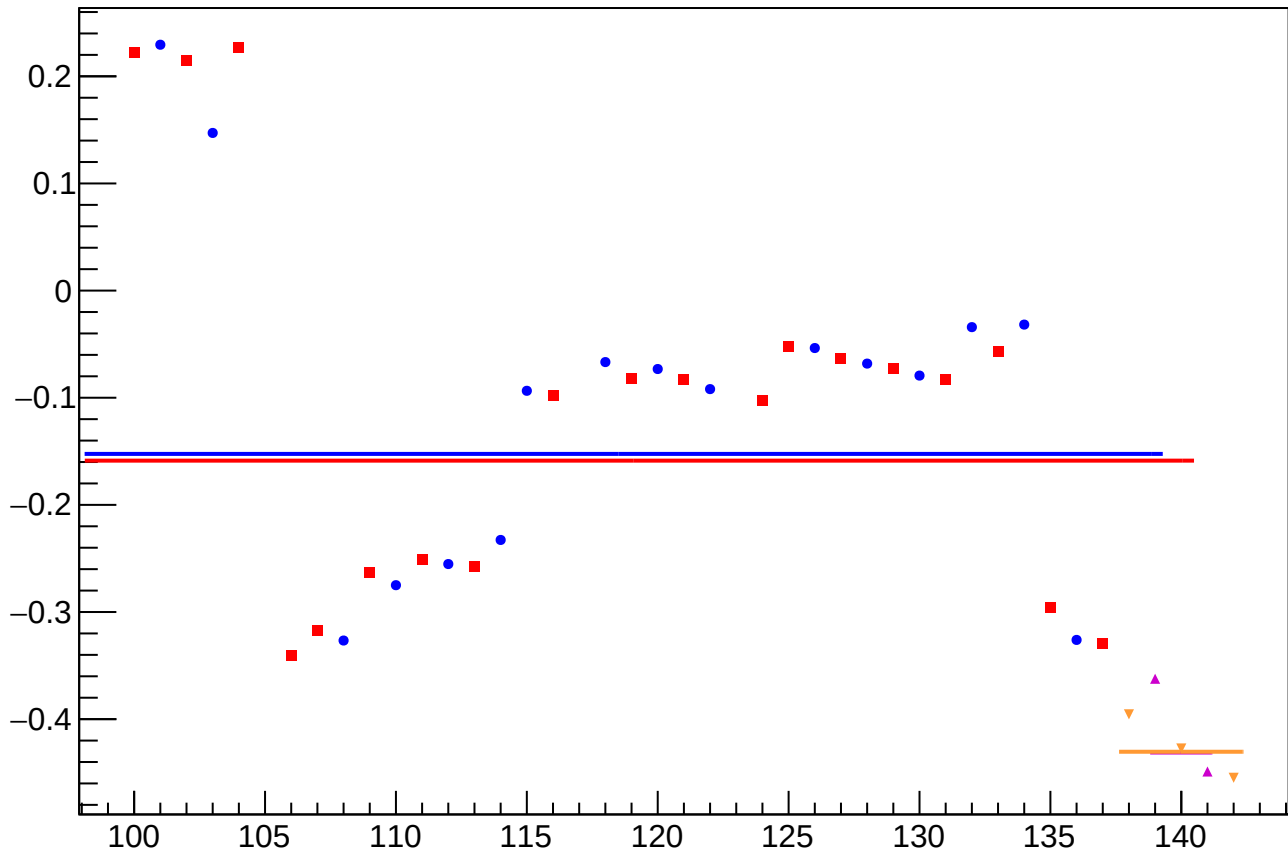
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:56.5/1

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1753425.2/18

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3411771.6/39

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1645795.0/20

yield_bpm4ecX_mean vs Slug



Right In: -0.152 ± 0.000 χ^2/NDF : 274261842.6/15

Left Out: -0.430 ± 0.000 χ^2/NDF : 1833680.8/2

Right Out: -0.159 ± 0.000 χ^2/NDF : 195614120.0/18

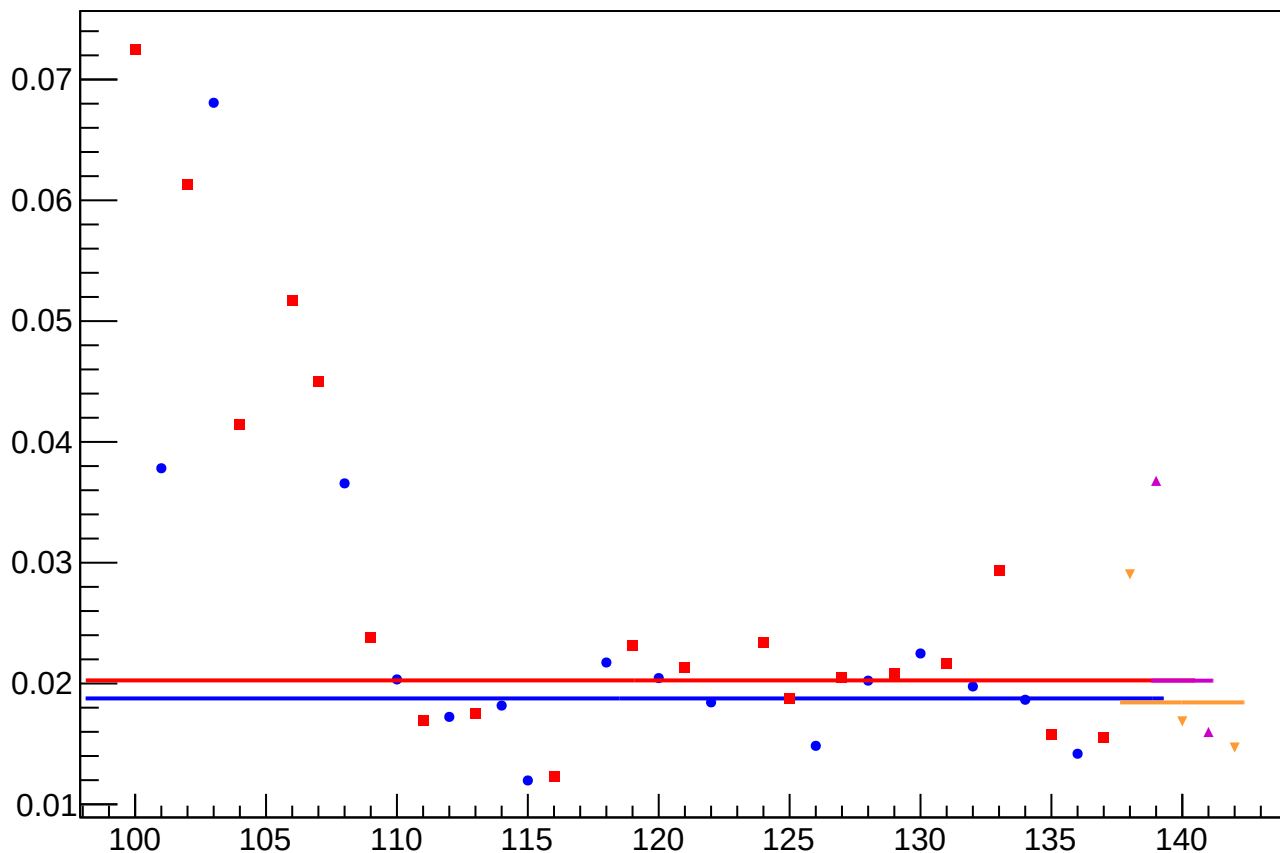
Left In: -0.431 ± 0.000 χ^2/NDF : 3698326.0/1

+ sign -0.214 ± 0.000 χ^2/NDF : 533179298.5/18

All: -0.212 ± 0.000 χ^2/NDF : 915965623.1/39

- sign -0.209 ± 0.000 χ^2/NDF : 382592877.5/20

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF : 230202.5/2

Right Out: 0.020+/-0.000 χ^2/NDF : 1529624.9/18

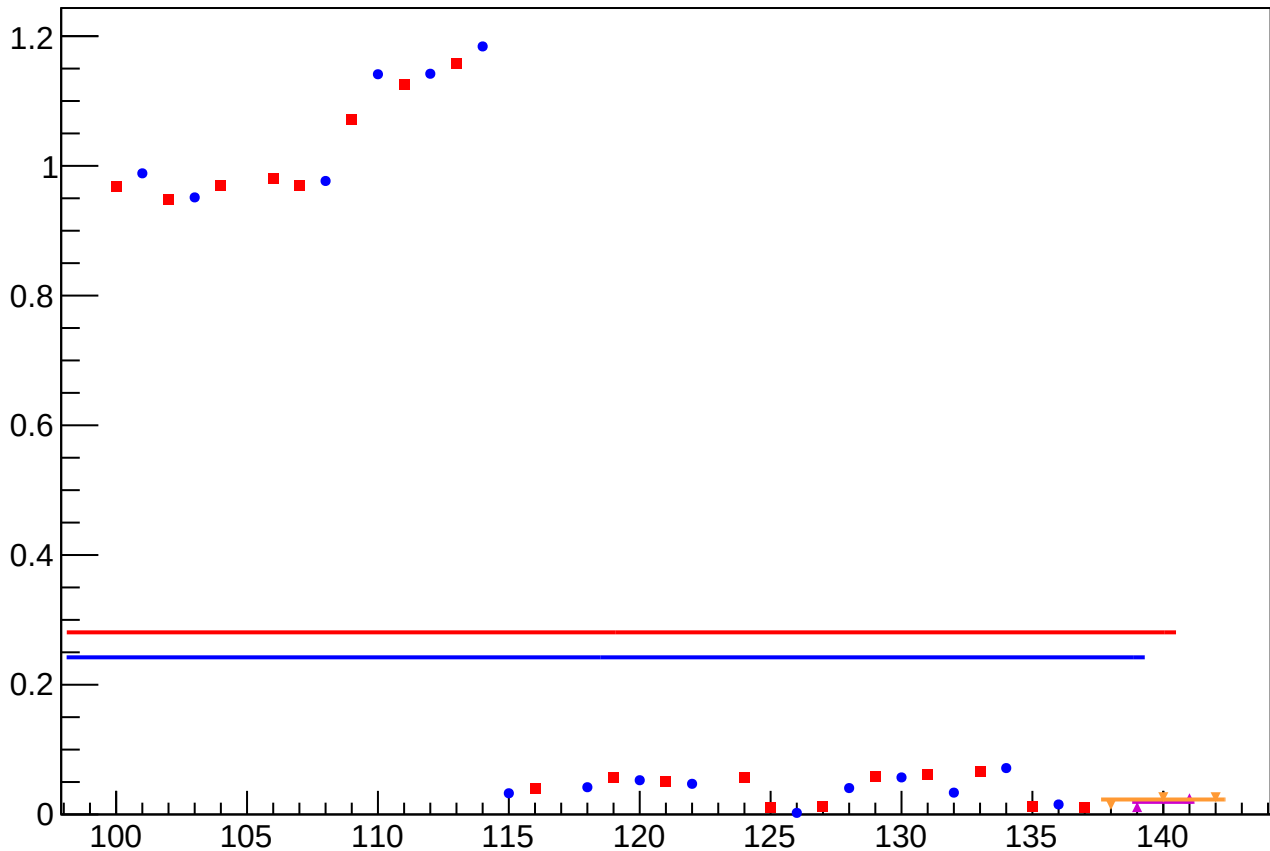
Left In: 0.020+/-0.000 χ^2/NDF : 426546.7/1

+ sign 0.019+/-0.000 χ^2/NDF : 1580336.1/18

All: 0.019+/-0.000 χ^2/NDF : 3579578.3/39

- sign 0.020+/-0.000 χ^2/NDF : 1956173.5/20

yield_bpm4ecY_mean vs Slug



Right In: 0.242 $\pm$ 0.000 χ^2 /NDF: 6507444426.7/15

Left Out: 0.023 $\pm$ 0.000 χ^2 /NDF:442978.7/2

Right Out: 0.281 $\pm$ 0.000 χ^2 /NDF: 6757631639.3/18

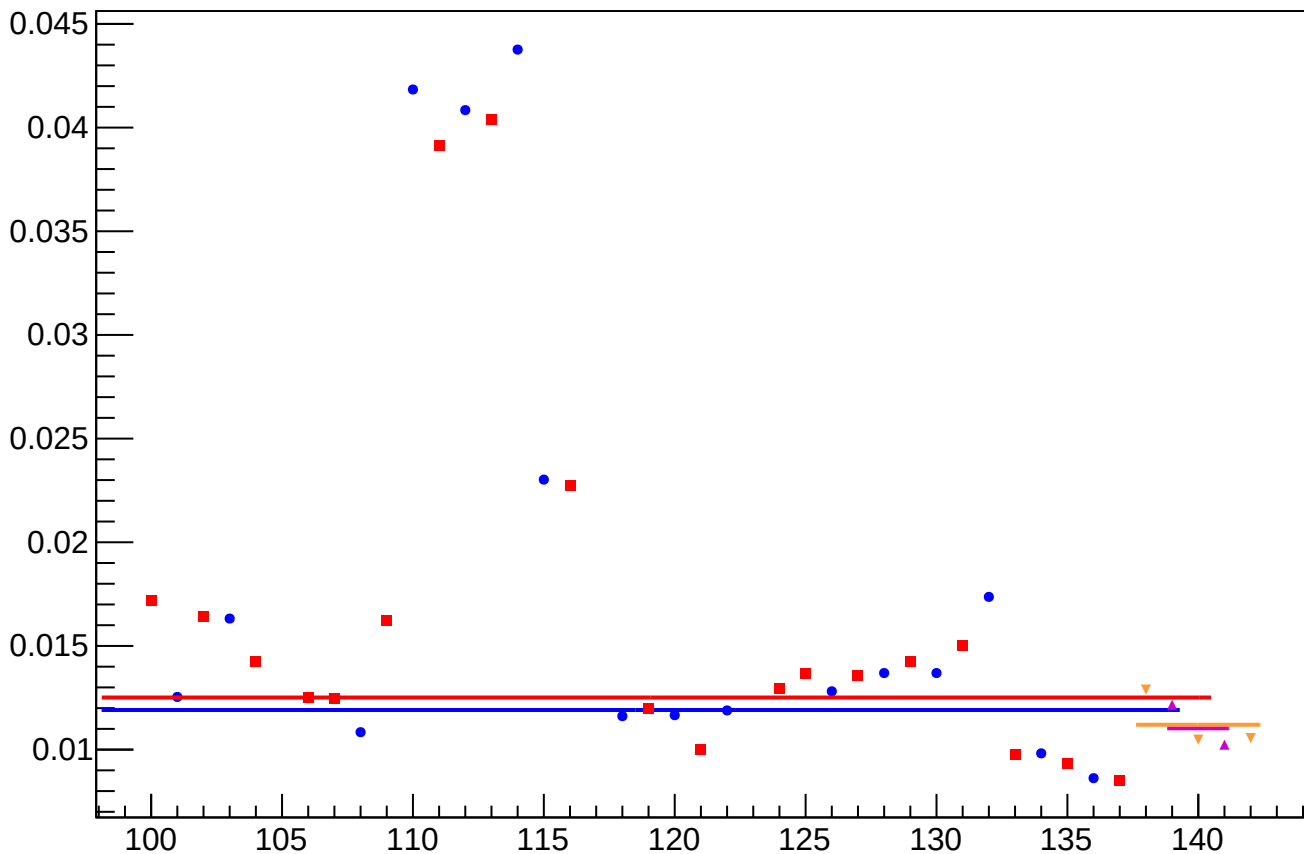
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:594560.1/1

+ sign 0.183 $\pm$ 0.000 χ^2 /NDF: 7050868240.3/18

All: 0.198 $\pm$ 0.000 χ^2 /NDF: 14520325532.3/3

- sign 0.214 $\pm$ 0.000 χ^2 /NDF: 7444094950.5/20

yield_bpm4ecY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1459428.8/15

Left Out: 0.011 ± 0.000 χ^2/NDF : 36310.4/2

Right Out: 0.013 ± 0.000 χ^2/NDF : 1392455.1/18

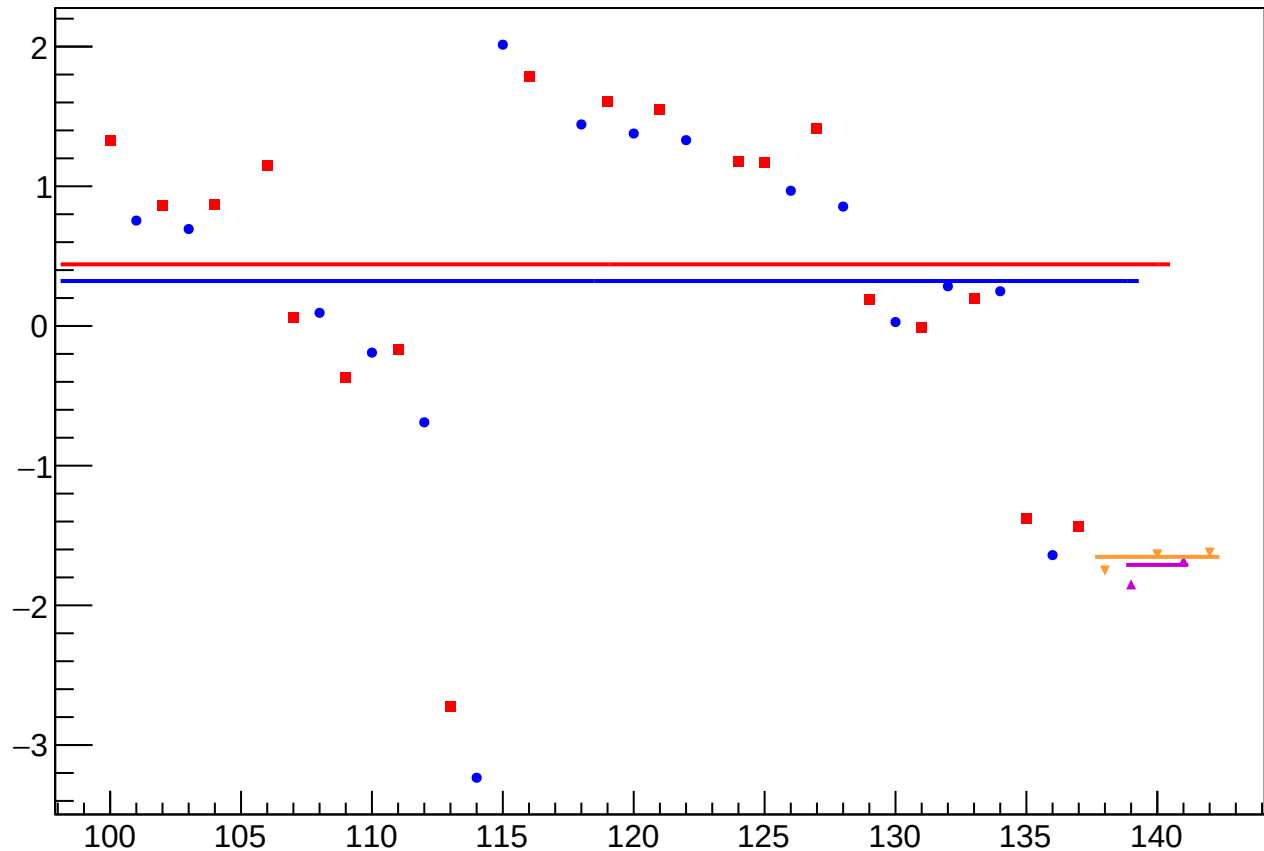
Left In: 0.011 ± 0.000 χ^2/NDF : 24269.5/1

+ sign 0.012 ± 0.000 χ^2/NDF : 1507163.0/18

All: 0.012 ± 0.000 χ^2/NDF : 2977560.8/39

- sign 0.012 ± 0.000 χ^2/NDF : 1461040.4/20

yield_bpm1X_mean vs Slug



Right In: 0.322+/-0.000 χ^2/NDF : 1664983742.5/15

Left Out: -1.653+/-0.000 χ^2/NDF : 491708.3/2

Right Out: 0.441+/-0.000 χ^2/NDF : 1796703168.4/18

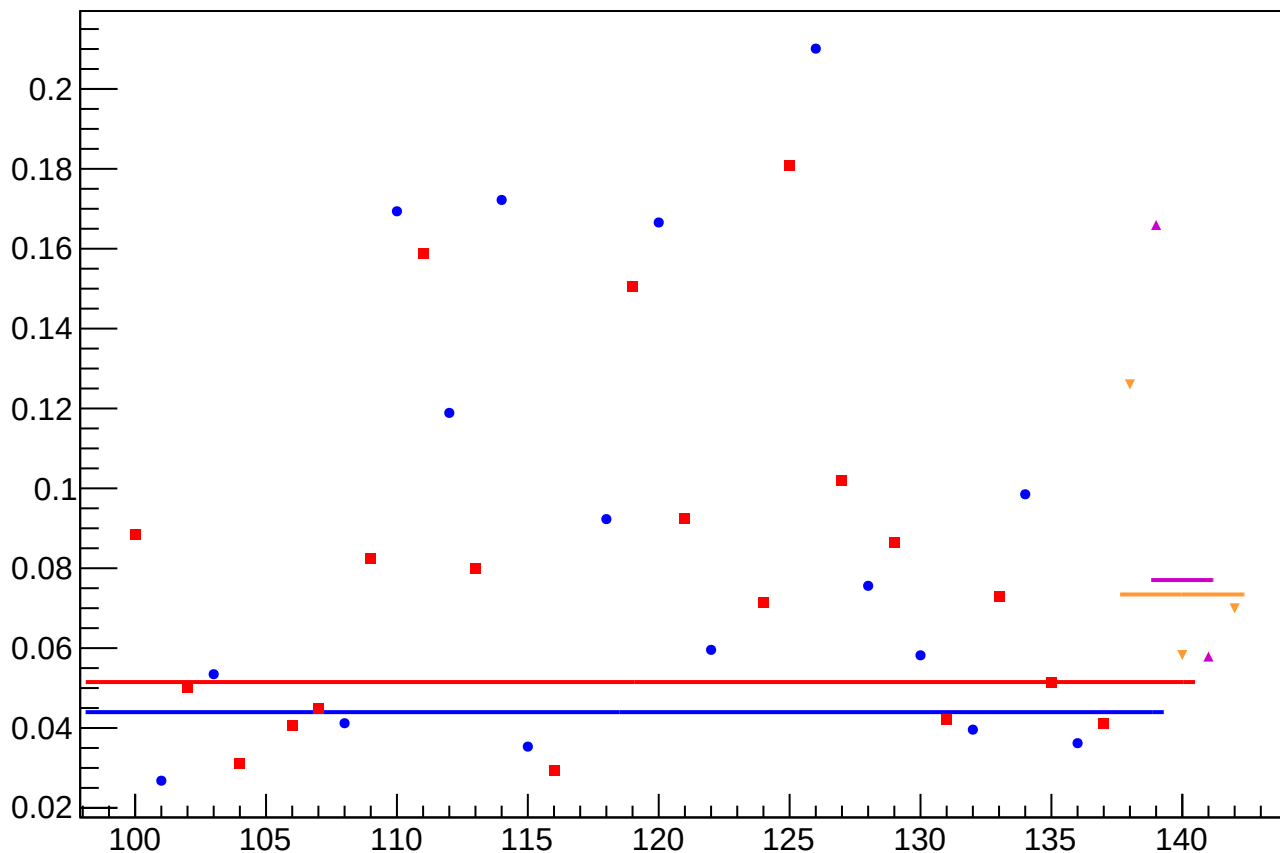
Left In: -1.711+/-0.000 χ^2/NDF : 677810.0/1

+ sign 0.119+/-0.000 χ^2/NDF : 2461129156.0/18

All: 0.177+/-0.000 χ^2/NDF : 4959477385.6/39

- sign 0.248+/-0.000 χ^2/NDF : 2481797062.6/20

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF : 2787474.8/15

Left Out: 0.073+/-0.000 χ^2/NDF :288888.2/2

Right Out: 0.052+/-0.000 χ^2/NDF : 2367478.8/18

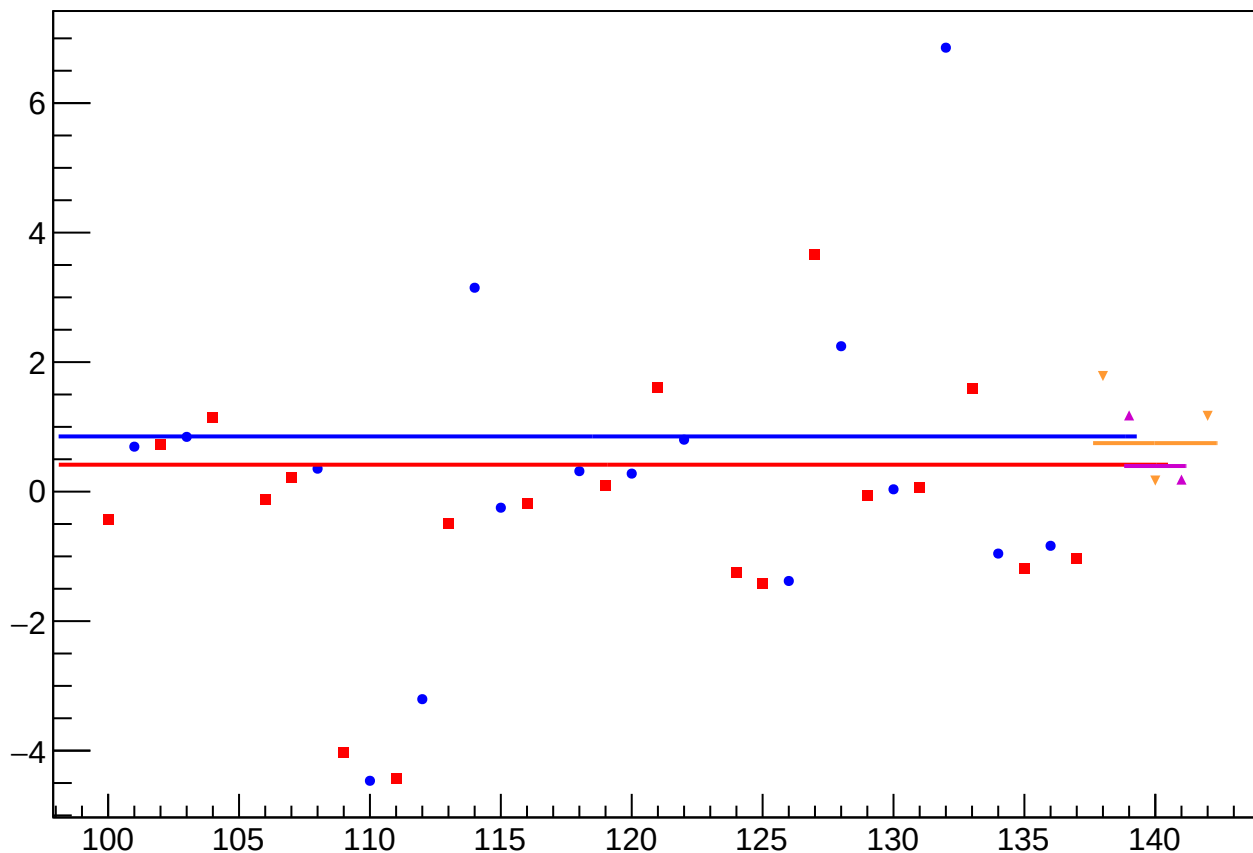
Left In: 0.077+/-0.000 χ^2/NDF :552999.3/1

+ sign 0.047+/-0.000 χ^2/NDF : 3430494.9/18

All: 0.050+/-0.000 χ^2/NDF : 6635789.1/39

- sign 0.054+/-0.000 χ^2/NDF : 3113360.7/20

yield_bpm1Y_mean vs Slug



Right In: 0.852 $\pm$ 0.000 χ^2 /NDF: 11576037687.7/15

Left Out: 0.749 $\pm$ 0.000 χ^2 /NDF: 160197270.2/2

Right Out: 0.416 $\pm$ 0.000 χ^2 /NDF: 5121892038.7/18

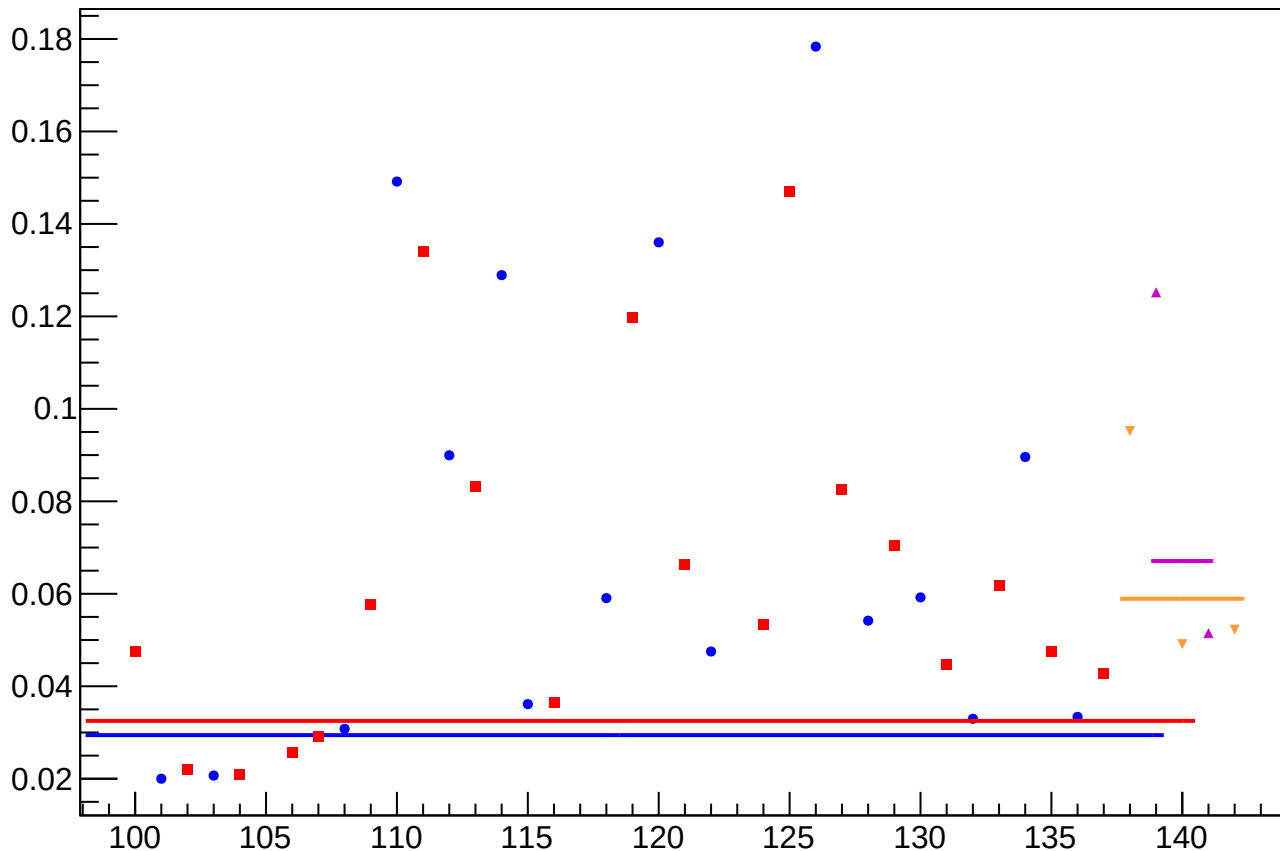
Left In: 0.395 $\pm$ 0.000 χ^2 /NDF: 38382253.7/1

+ sign 0.844 $\pm$ 0.000 χ^2 /NDF: 11739831827.6/18

All: 0.641 $\pm$ 0.000 χ^2 /NDF: 17303121433.6/3

- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 5160366261.1/20

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3192424.8/15

Left Out: 0.059+/-0.000 χ^2/NDF :235180.2/2

Right Out: 0.033+/-0.000 χ^2/NDF : 3315430.7/18

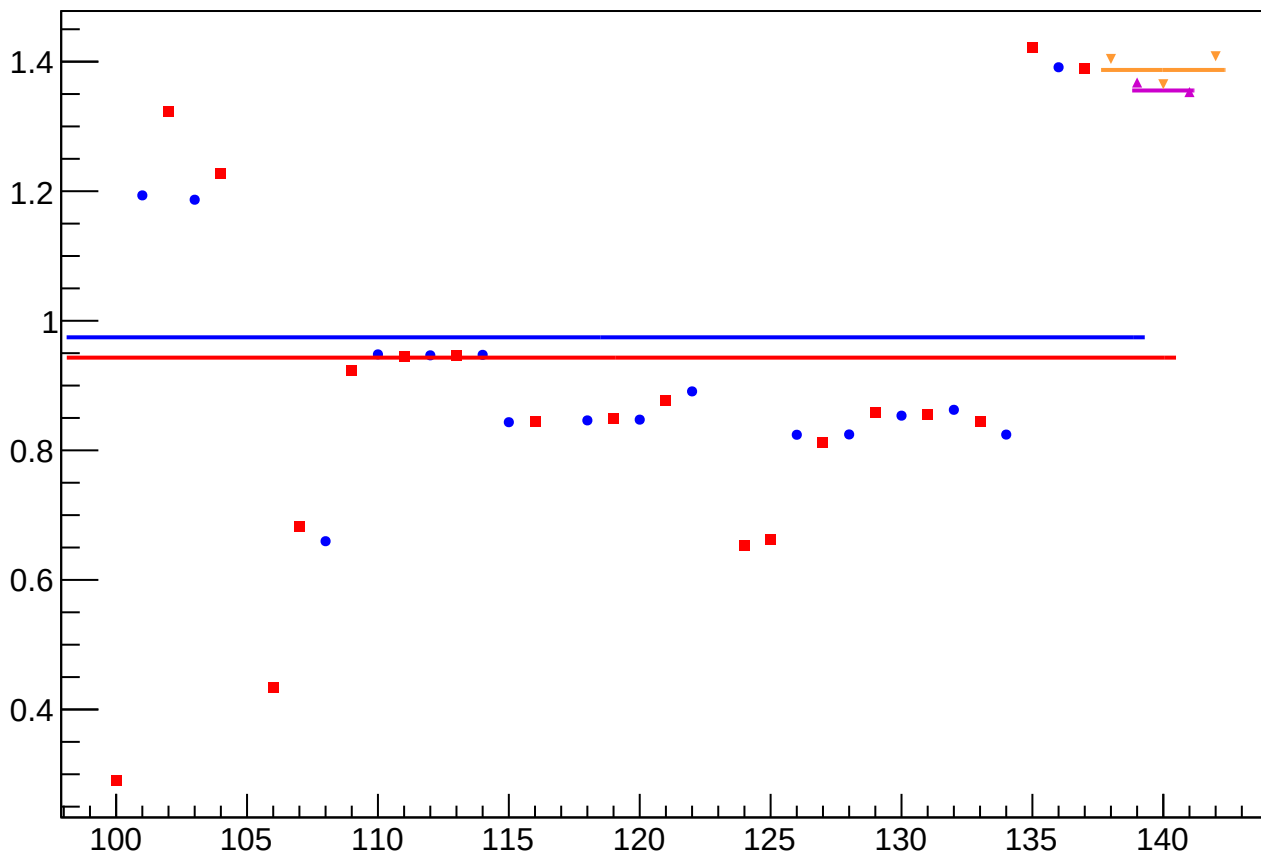
Left In: 0.067+/-0.000 χ^2/NDF :424755.3/1

+ sign 0.032+/-0.000 χ^2/NDF : 4014214.4/18

All: 0.033+/-0.000 χ^2/NDF : 8315050.2/39

- sign 0.034+/-0.000 χ^2/NDF : 4268716.6/20

yield_bpm11X_mean vs Slug



Right In: 0.974 ± 0.000 χ^2/NDF : 1458735246.5/15

Left Out: 1.387 ± 0.000 χ^2/NDF : 4363473.4/2

Right Out: 0.943 ± 0.000 χ^2/NDF : 1670579900.3/18

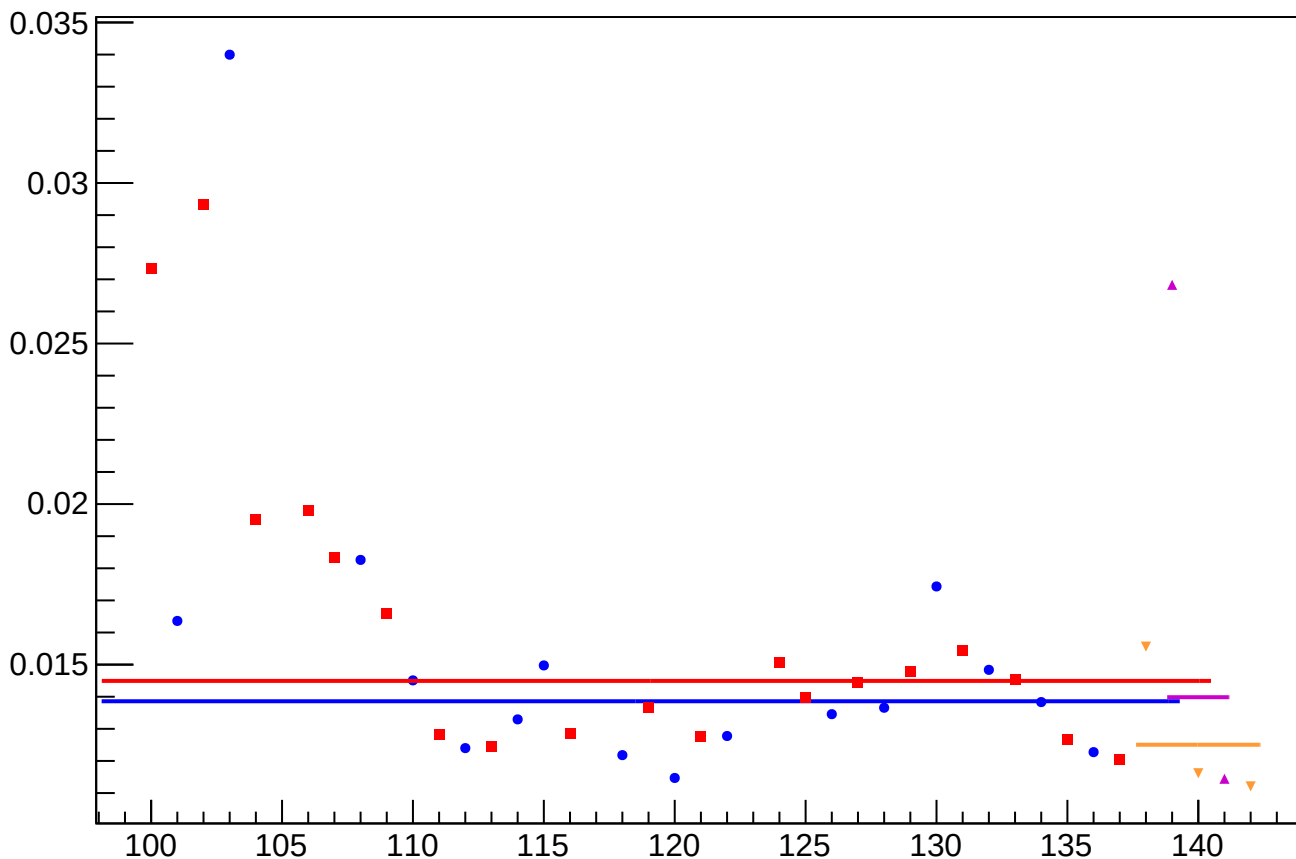
Left In: 1.355 ± 0.000 χ^2/NDF : 204674.7/1

+ sign 1.074 ± 0.000 χ^2/NDF : 2790784630.1/18

All: 1.048 ± 0.000 χ^2/NDF : 5469614429.8/39

- sign 1.018 ± 0.000 χ^2/NDF : 2617405325.6/20

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:65997.3/2

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 544337.7/18

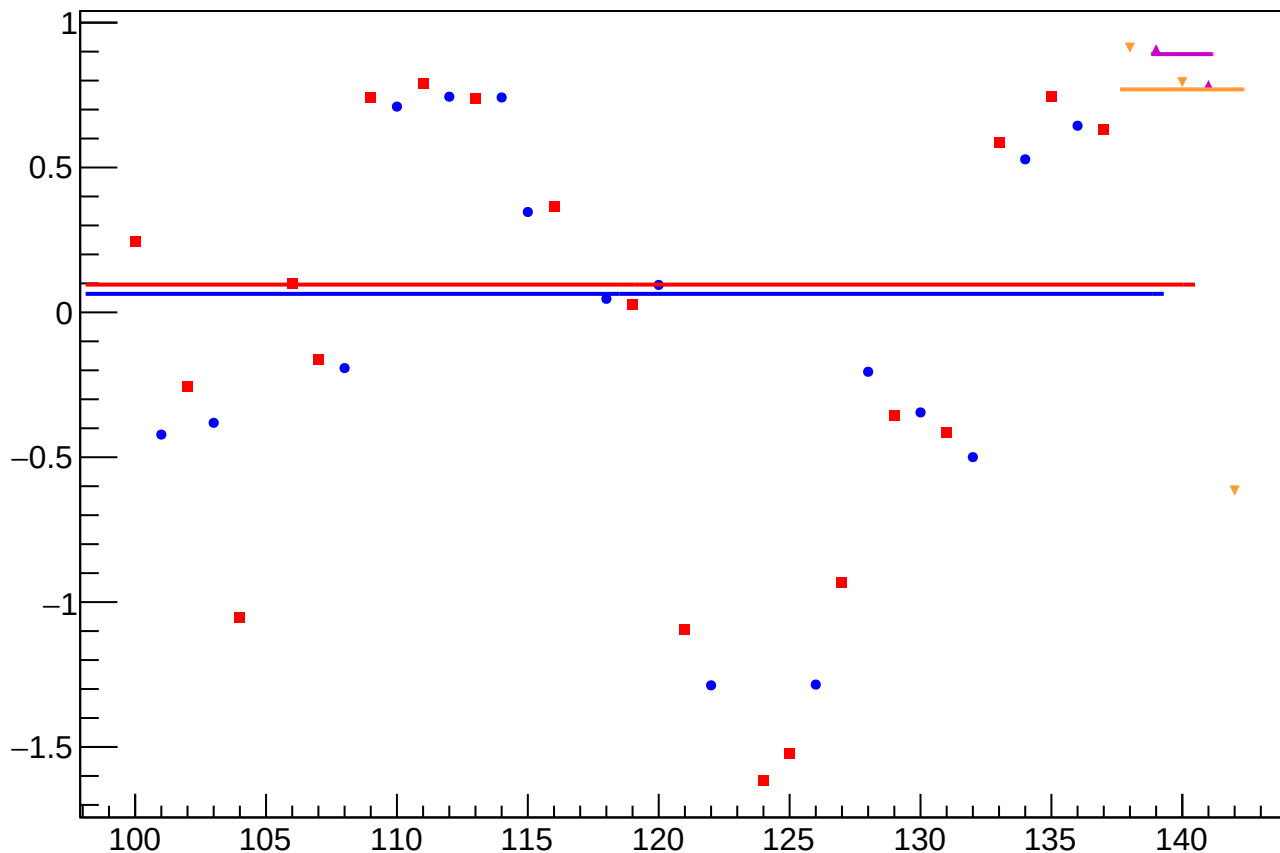
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:444136.1/1

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 694576.5/18

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 1715878.6/39

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 991347.0/20

yield_bpm11Y_mean vs Slug



Right In: 0.064 $\pm$ 0.000 χ^2 /NDF: 11035911379.4/15

Left Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 4390480573.5/2

Right Out: 0.096 $\pm$ 0.000 χ^2 /NDF: 17784850774.3/18

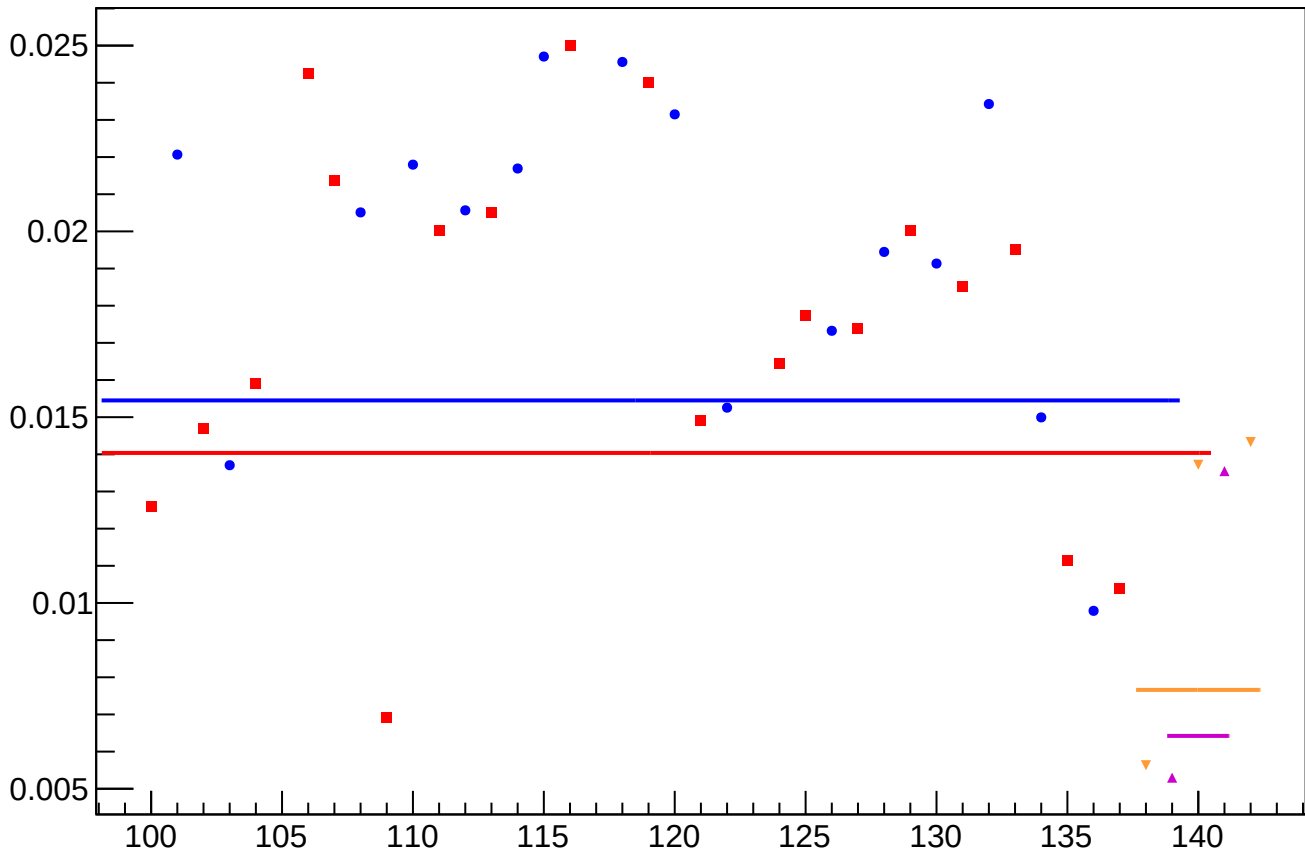
Left In: 0.891 $\pm$ 0.000 χ^2 /NDF: 58816808.8/1

+ sign 0.419 $\pm$ 0.000 χ^2 /NDF: 21740388718.9/18

All: 0.471 $\pm$ 0.000 χ^2 /NDF: 49718212446.9/3

- sign 0.513 $\pm$ 0.000 χ^2 /NDF: 27734426002.3/20

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1293711.1/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 649698.4/2

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1686554.4/18

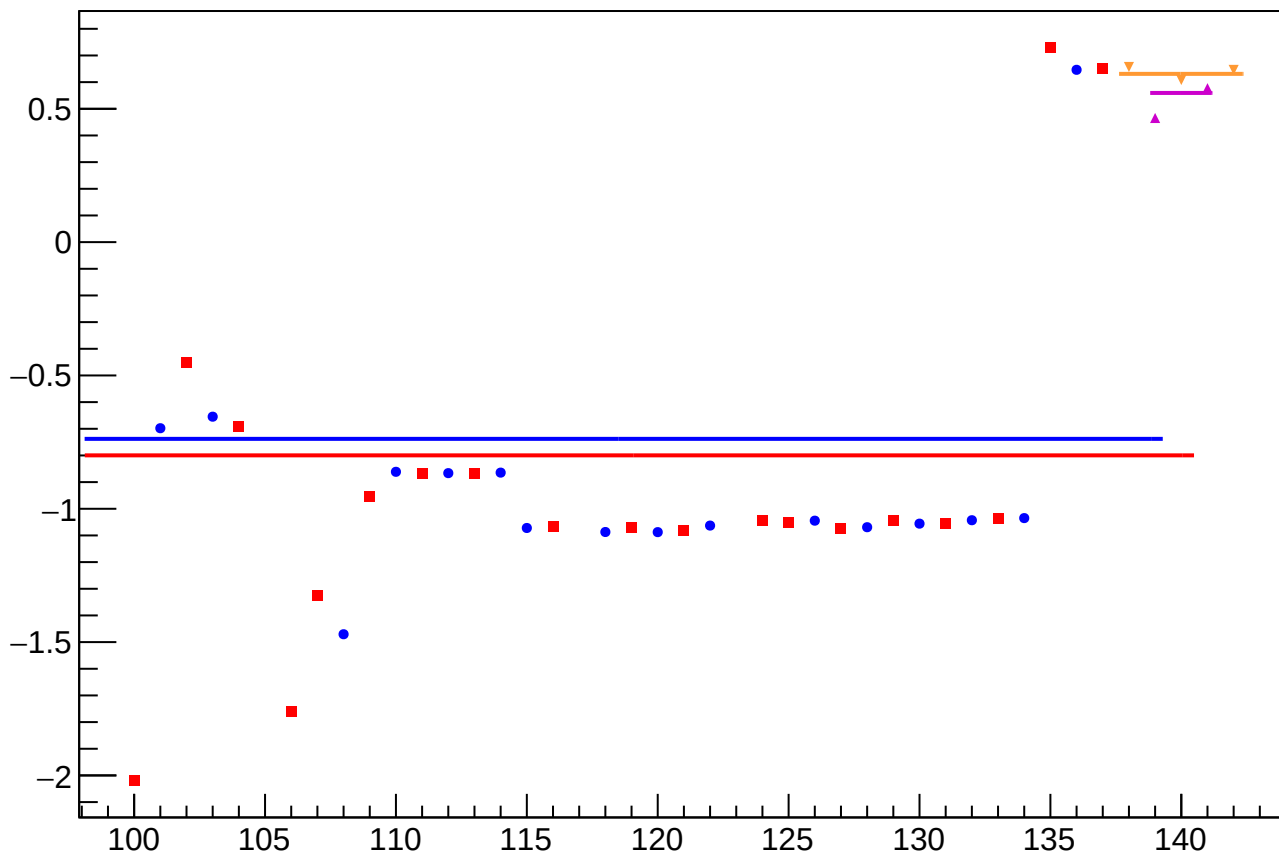
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 525554.8/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3481939.1/18

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 7629463.3/39

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 4024944.9/20

yield_bpm12X_mean vs Slug



Right In: -0.738 ± 0.000 $\chi^2/\text{NDF}: 2072845802.4/15$

Left Out: 0.631 ± 0.000 $\chi^2/\text{NDF}: 749829.5/2$

+ sign -0.436 ± 0.000 $\chi^2/\text{NDF}: 4364500139.6/18$

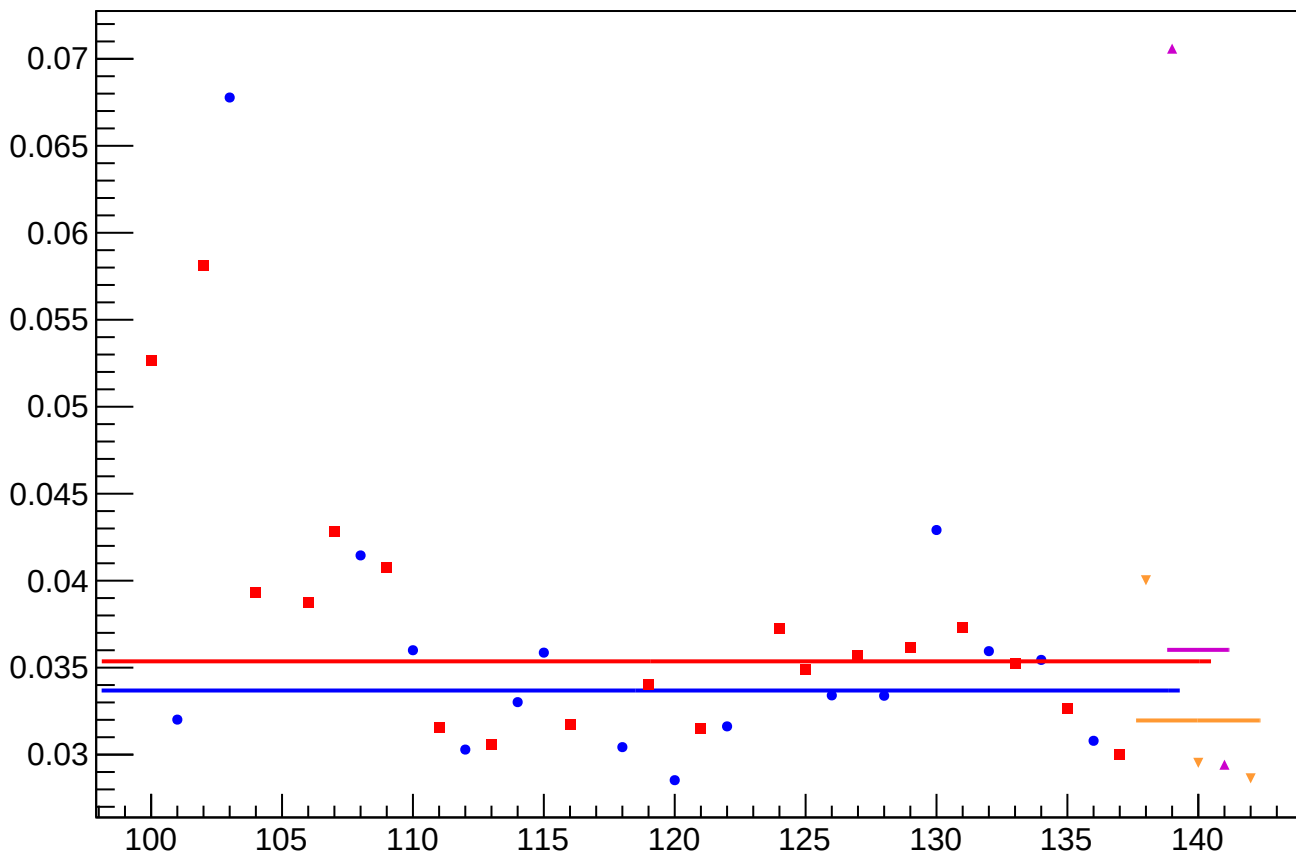
Right Out: -0.800 ± 0.000 $\chi^2/\text{NDF}: 1883862445.0/18$

All: -0.502 ± 0.000 $\chi^2/\text{NDF}: 7877772973.5/3$

- sign -0.577 ± 0.000 $\chi^2/\text{NDF}: 3447525480.7/20$

Left In: 0.559 ± 0.000 $\chi^2/\text{NDF}: 1700834.8/1$

yield_bpm12X_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 420227.2/15

Left Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 70396.8/2

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 296353.9/18

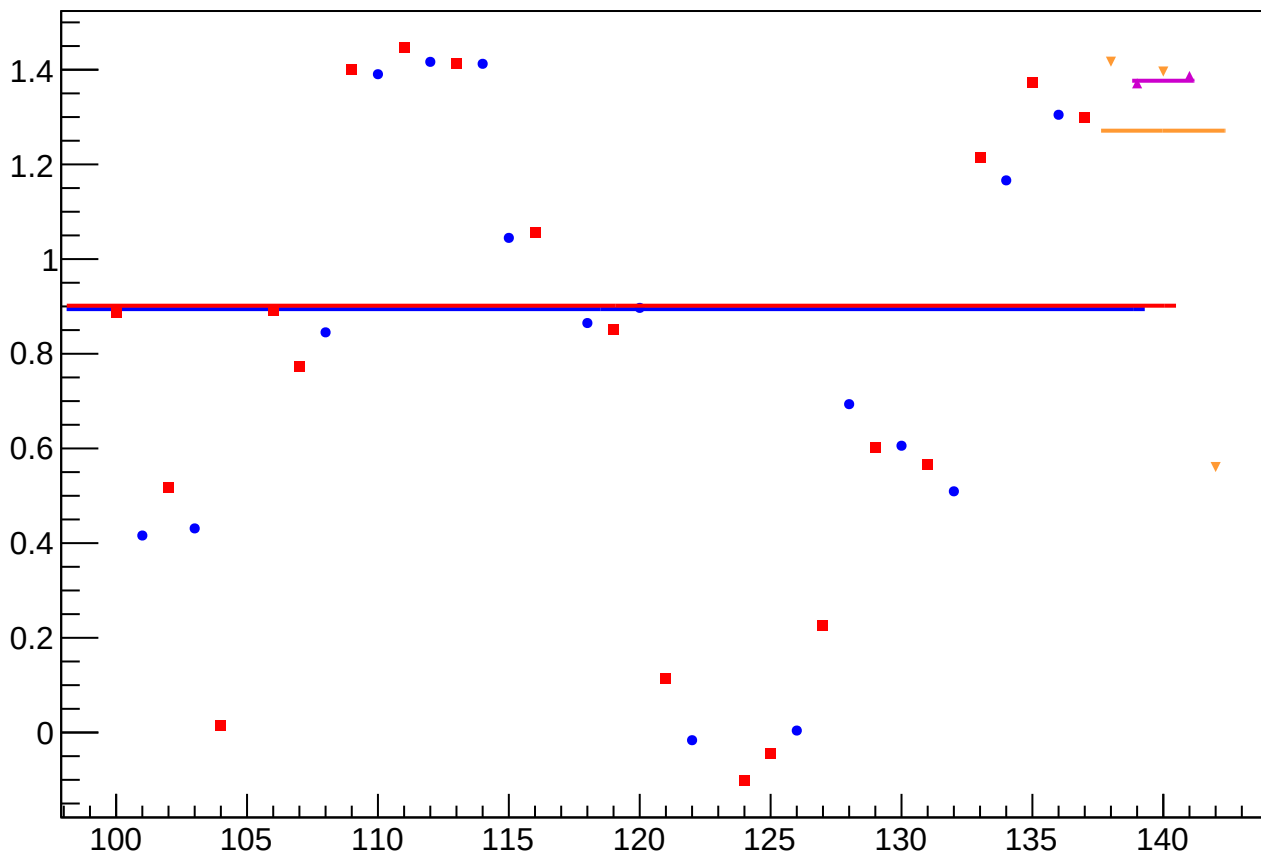
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 461306.7/1

+ sign 0.033 $\pm$ 0.000 χ^2 /NDF: 497874.8/18

All: 0.034 $\pm$ 0.000 χ^2 /NDF: 1287270.0/39

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 758398.2/20

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF : 12749707787.6/15

Left Out: 1.271+/-0.000 χ^2/NDF : 2833688212.8/2

Right Out: 0.902+/-0.000 χ^2/NDF : 17893051843.7/18

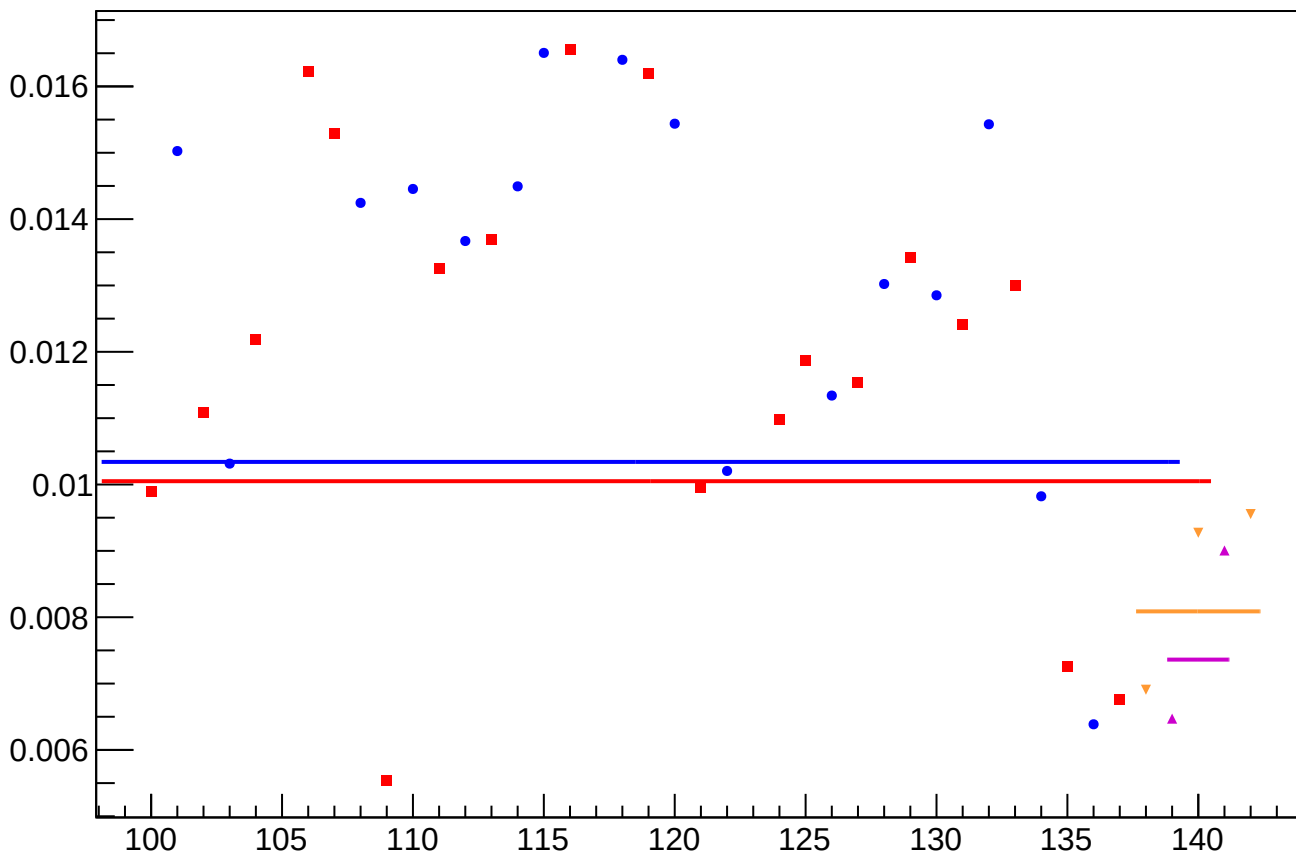
Left In: 1.377+/-0.000 χ^2/NDF : 1593079.3/1

+ sign 1.023+/-0.000 χ^2/NDF : 18288563893.5/18

All: 1.040+/-0.000 χ^2/NDF : 40637684088.4/3

- sign 1.055+/-0.000 χ^2/NDF : 22303237352.1/20

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1350446.6/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:87913.8/2

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1336866.7/18

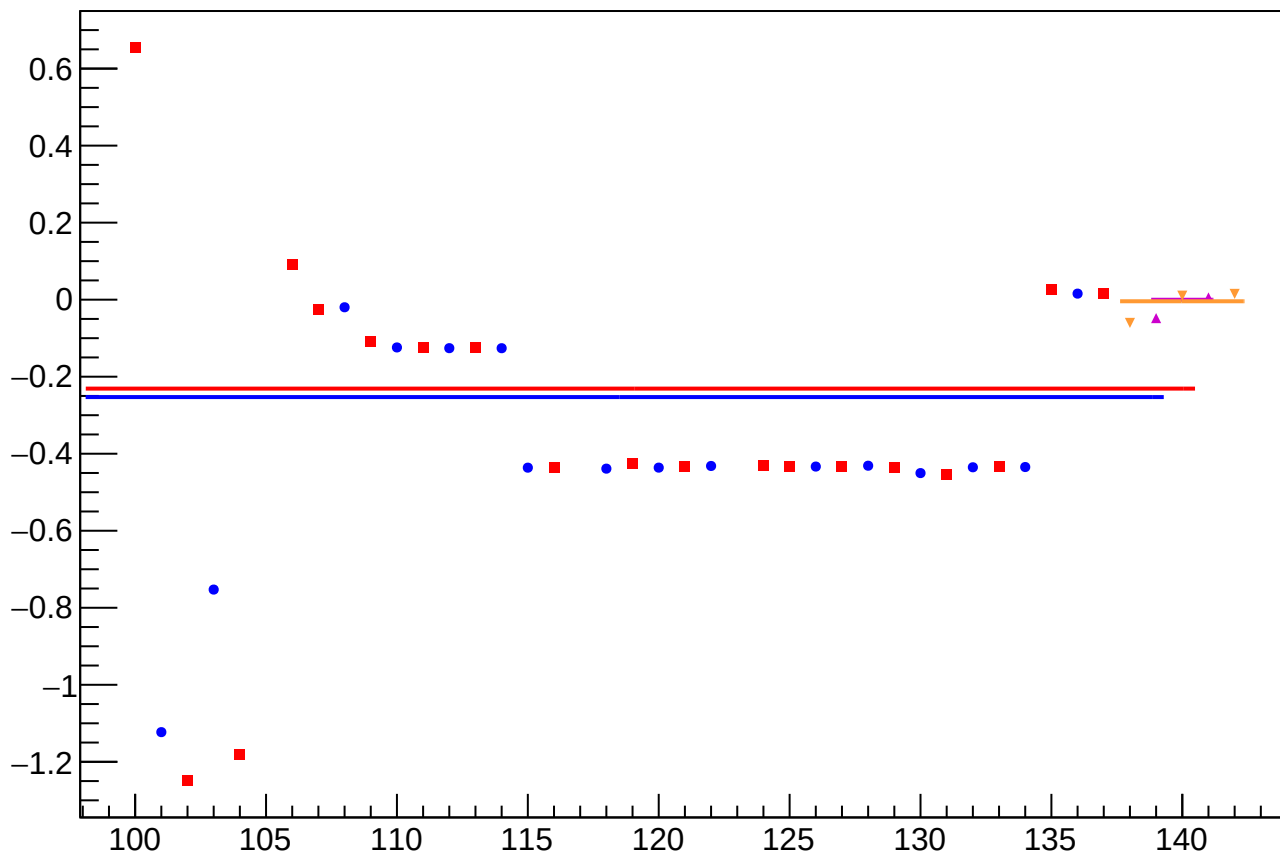
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:84502.3/1

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1631606.9/18

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3348735.9/39

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1703730.0/20

yield_bpm16X_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF : 2025242410.1/15

Left Out: -0.004+/-0.000 χ^2/NDF : 14944358.7/2

Right Out: -0.231+/-0.000 χ^2/NDF : 1808702536.0/18

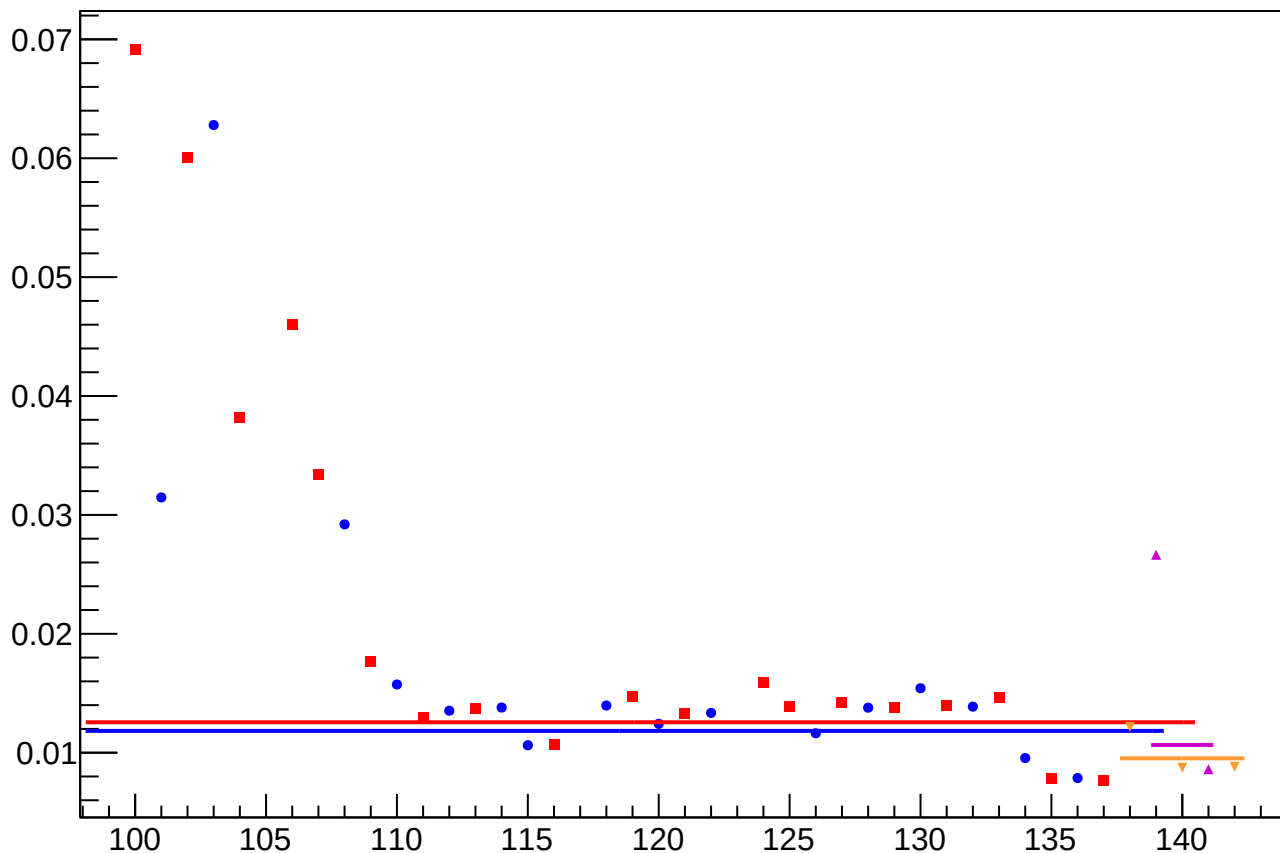
Left In: -0.000+/-0.000 χ^2/NDF : 2997694.4/1

+ sign -0.174+/-0.000 χ^2/NDF : 2733623426.6/18

All: -0.174+/-0.000 χ^2/NDF : 4960904669.7/3

- sign -0.174+/-0.000 χ^2/NDF : 2227280044.1/20

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:65591.6/2

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2217419.3/18

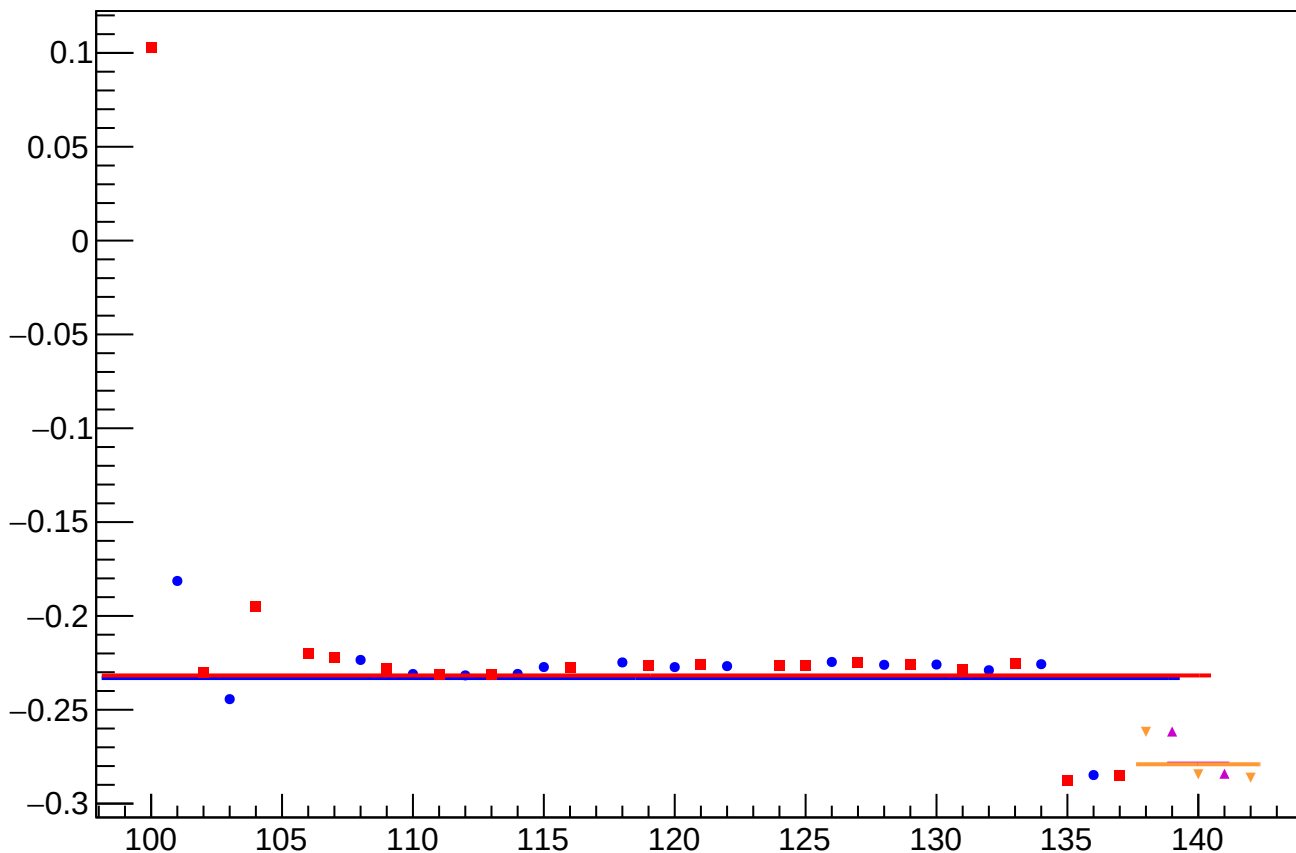
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:676261.8/1

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2127548.3/18

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5123140.8/39

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2950495.0/20

yield_bpm16Y_mean vs Slug



Right In: -0.233 ± 0.000 χ^2/NDF : 199059878.3/15

Left Out: -0.279 ± 0.000 χ^2/NDF : 8663398.8/2

Right Out: -0.232 ± 0.000 χ^2/NDF : 287244778.7/18

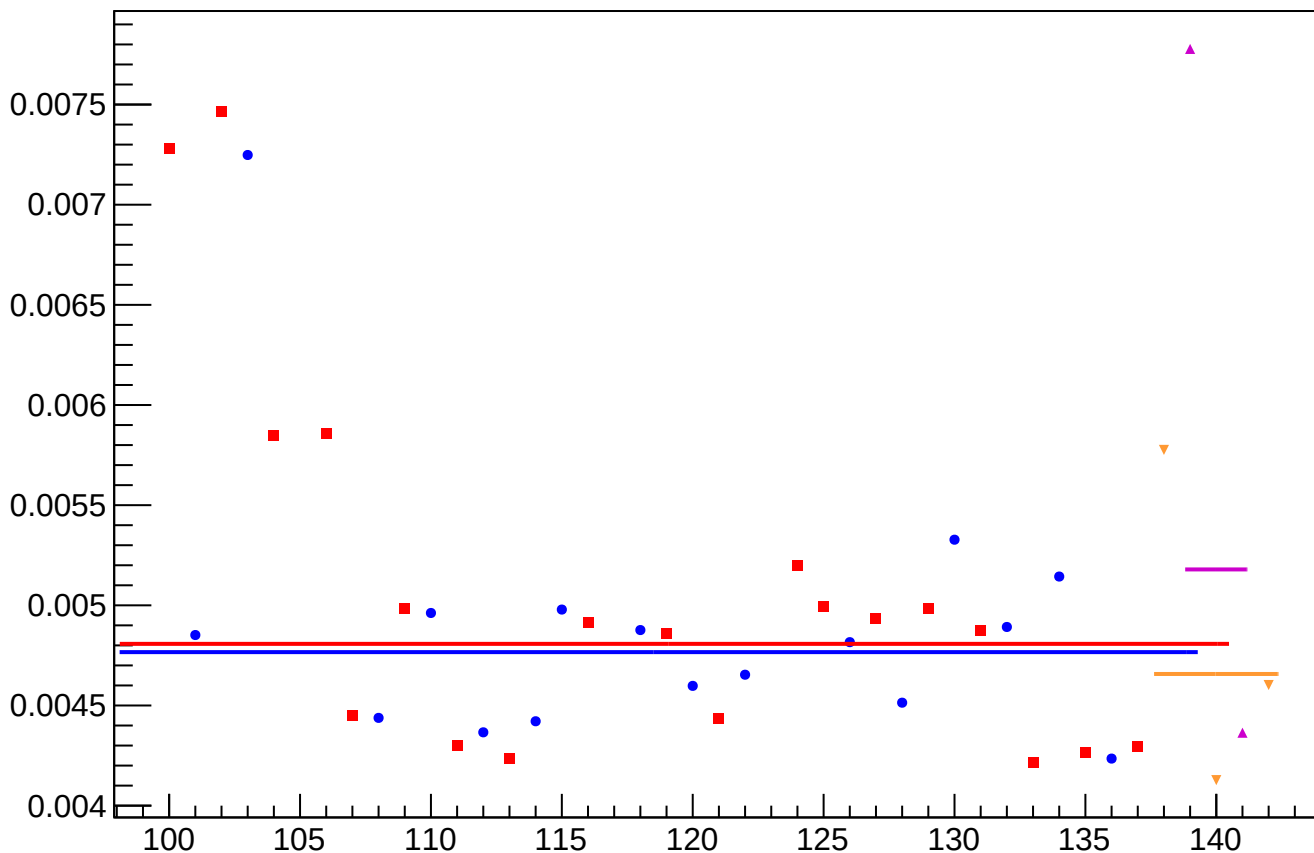
Left In: -0.279 ± 0.000 χ^2/NDF : 5089024.7/1

+ sign -0.244 ± 0.000 χ^2/NDF : 344834719.1/18

All: -0.242 ± 0.000 χ^2/NDF : 743335086.9/39

- sign -0.239 ± 0.000 χ^2/NDF : 395078378.2/20

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 : 78313.8/2

Right Out: 0.005+/-0.000 χ^2/NDF : 293738.0/18

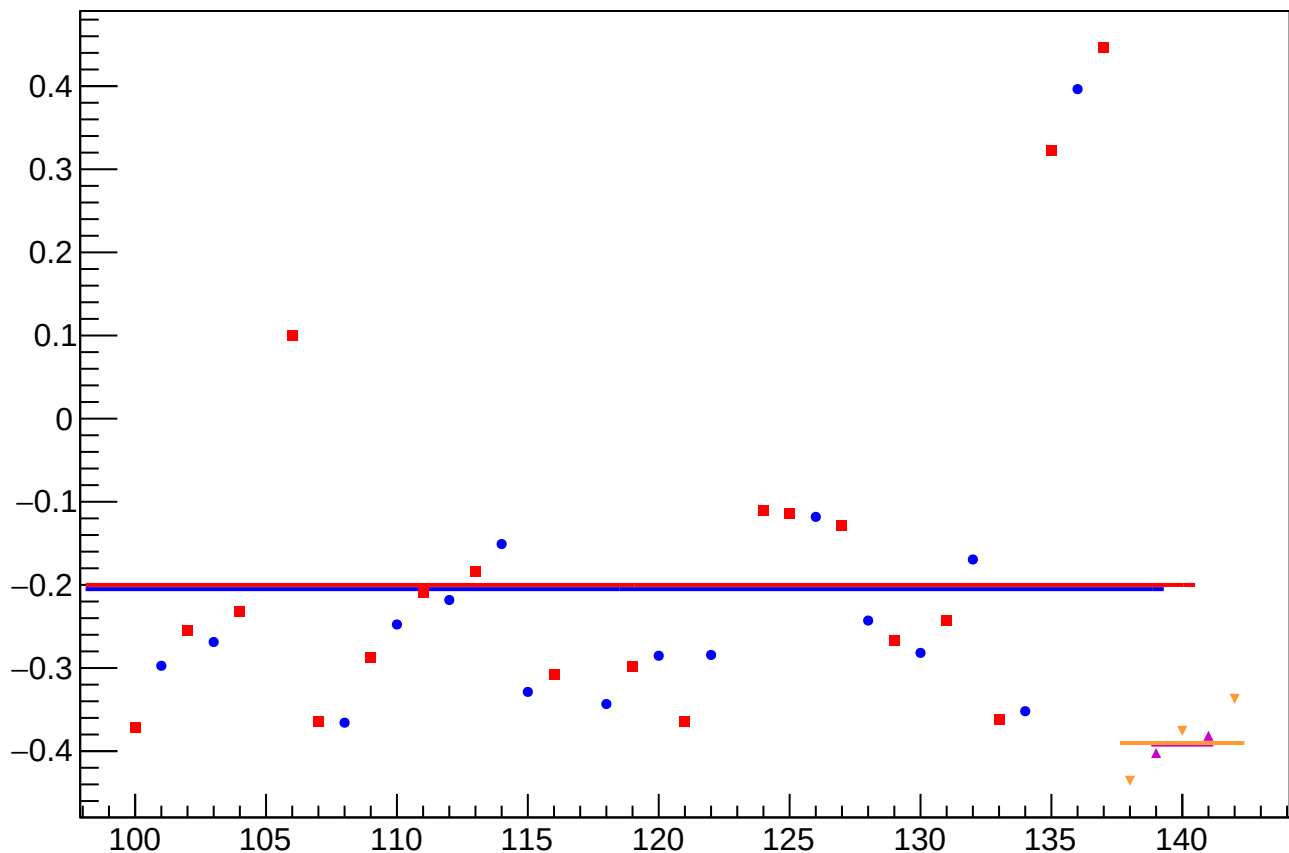
Left In: 0.005+/-0.000 χ^2/NDF : 234830.3/1

+ sign 0.005+/-0.000 χ^2/NDF : 271619.1/18

All: 0.005+/-0.000 χ^2/NDF : 818682.9/39

- sign 0.005+/-0.000 χ^2/NDF : 541418.2/20

yield_bpm0i02X_mean vs Slug



Right In: -0.205 $\pm$ 0.000 χ^2 /NDF: 6189271855.3/15

Left Out: -0.390 $\pm$ 0.000 χ^2 /NDF:115805985.1/2

Right Out: -0.200 $\pm$ 0.000 χ^2 /NDF: 5249978819.5/18

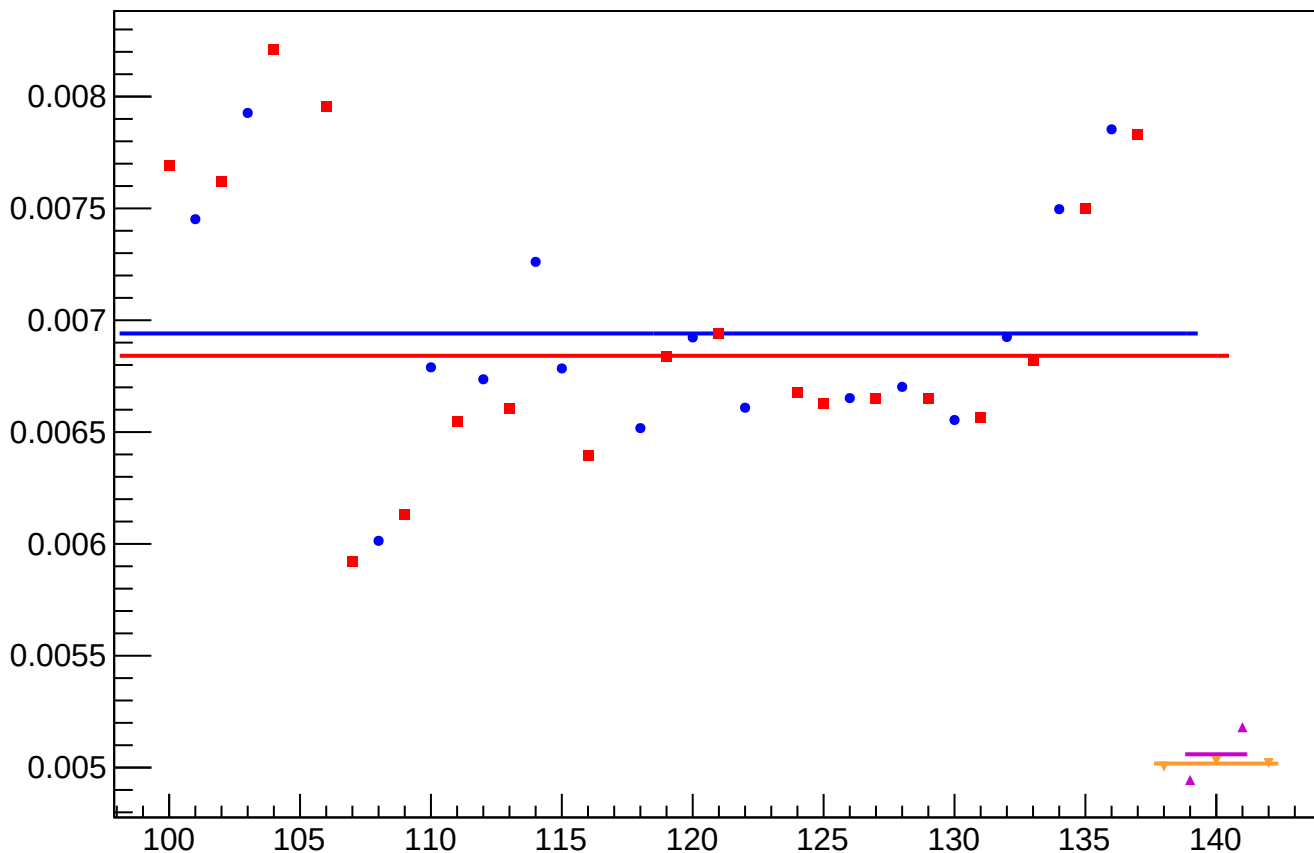
Left In: -0.392 $\pm$ 0.000 χ^2 /NDF:7005920.7/1

+ sign -0.270 $\pm$ 0.000 χ^2 /NDF: 8060435331.0/18

All: -0.264 $\pm$ 0.000 χ^2 /NDF: 15029513681.9/1

- sign -0.257 $\pm$ 0.000 χ^2 /NDF: 6950835814.0/20

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 85159.0/15

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:18.9/2

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 99819.4/18

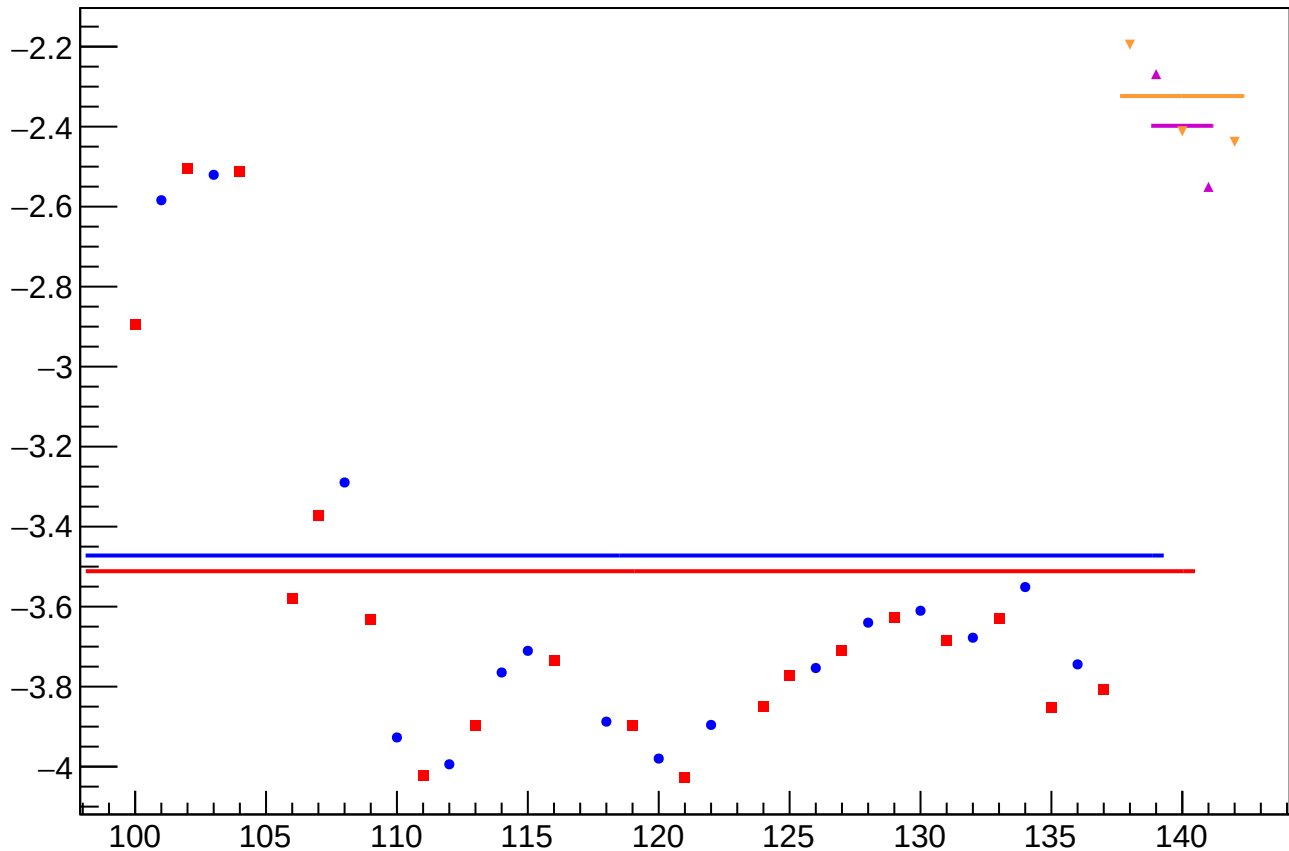
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:1817.3/1

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 464172.6/18

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 857737.1/39

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 393122.7/20

yield_bpm0i02Y_mean vs Slug



Right In: -3.472+/-0.000 χ^2/NDF : 29592353445.4/15

Left Out: -2.324+/-0.000 χ^2/NDF : 248233185.9/2

+ sign -3.295+/-0.000 χ^2/NDF : 51993766930.7/18

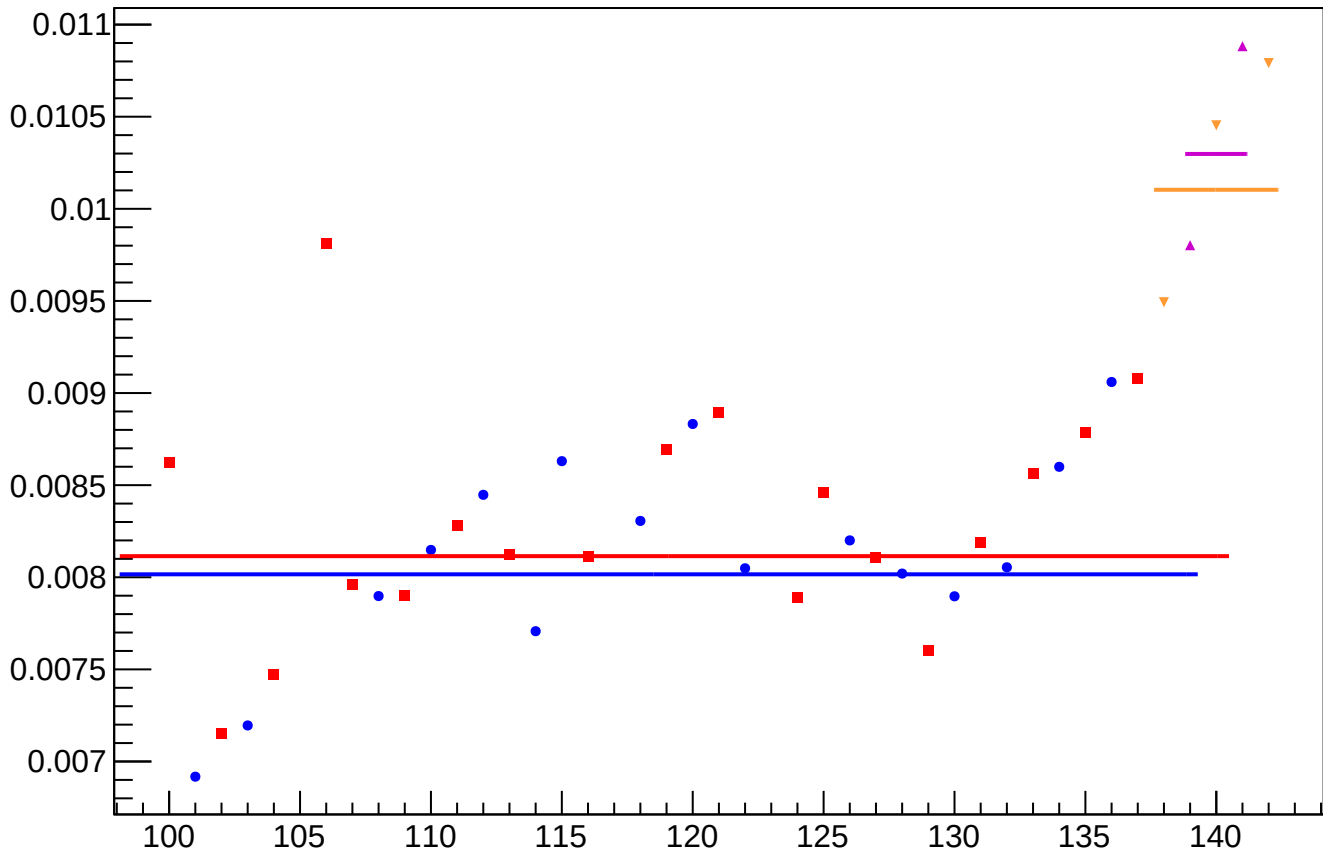
Right Out: -3.511+/-0.000 χ^2/NDF : 29716501733.6/18

All: -3.330+/-0.000 χ^2/NDF : 99738185339.2/1

- sign -3.367+/-0.000 χ^2/NDF : 47416351358.1/20

Left In: -2.398+/-0.000 χ^2/NDF : 318060386.9/1

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF :11709.1/2

Right Out: 0.008+/-0.000 χ^2/NDF : 71067.5/18

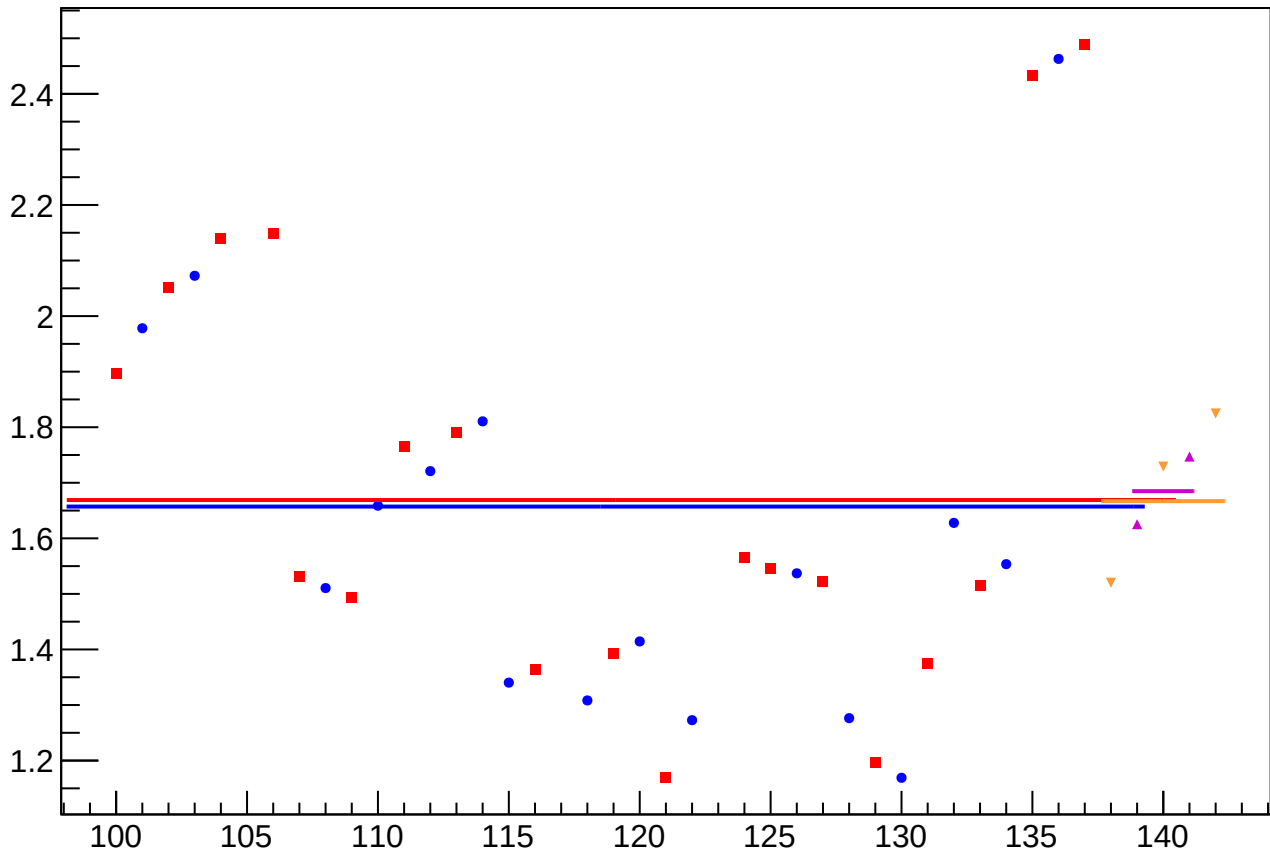
Left In: 0.010+/-0.000 χ^2/NDF :9333.0/1

+ sign 0.008+/-0.000 χ^2/NDF : 244233.2/18

All: 0.008+/-0.000 χ^2/NDF : 458713.9/39

- sign 0.008+/-0.000 χ^2/NDF : 214032.6/20

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF : 6666154117.3/15

Left Out: 1.667+/-0.000 χ^2/NDF : 243763287.4/2

Right Out: 1.669+/-0.000 χ^2/NDF : 6357589265.5/18

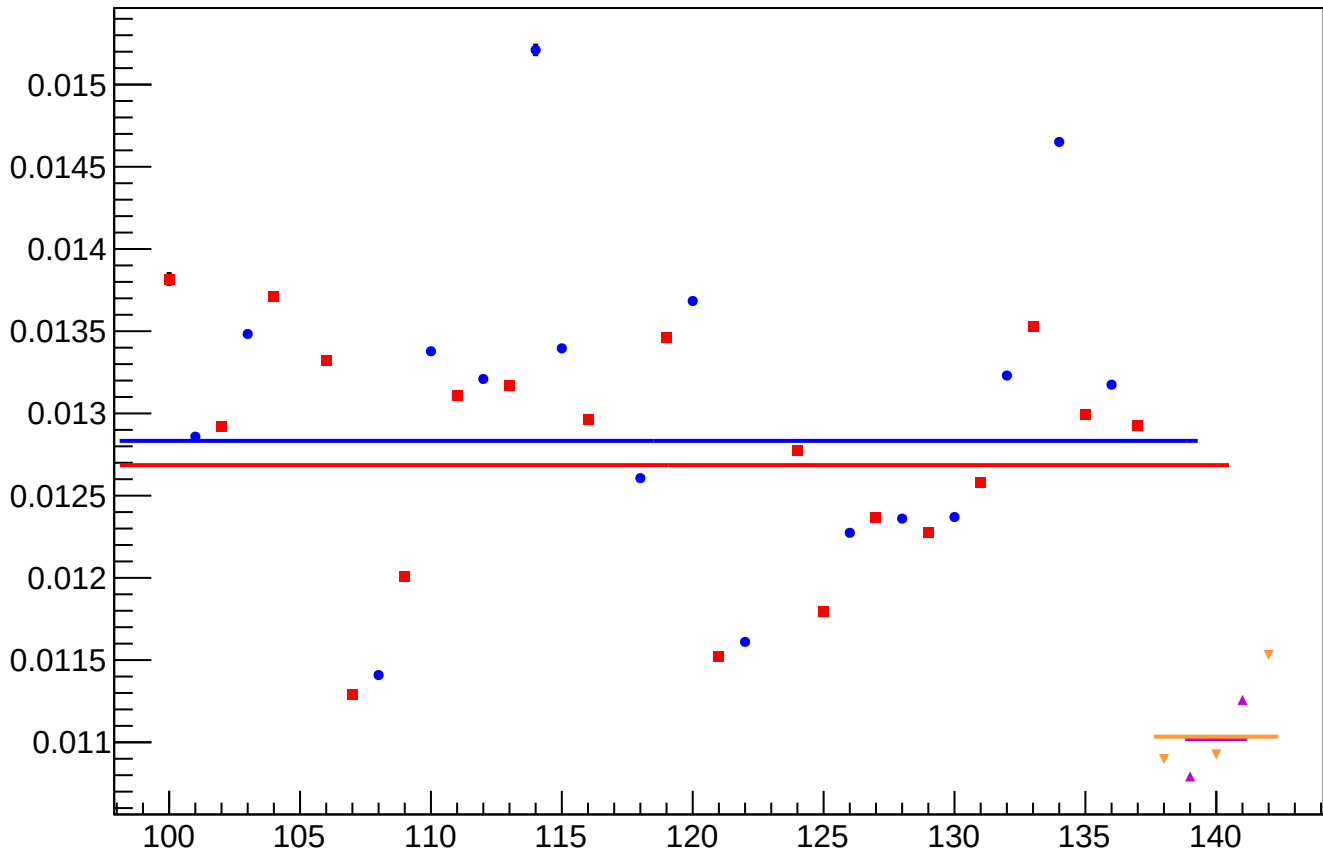
Left In: 1.685+/-0.000 χ^2/NDF : 51529960.7/1

+ sign 1.660+/-0.000 χ^2/NDF : 6911048468.7/18

All: 1.666+/-0.000 χ^2/NDF : 13327731054.3/3

- sign 1.673+/-0.000 χ^2/NDF : 6411835356.6/20

yield_bpm0i02aX_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 52516.5/15

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1982.1/2

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 43279.9/18

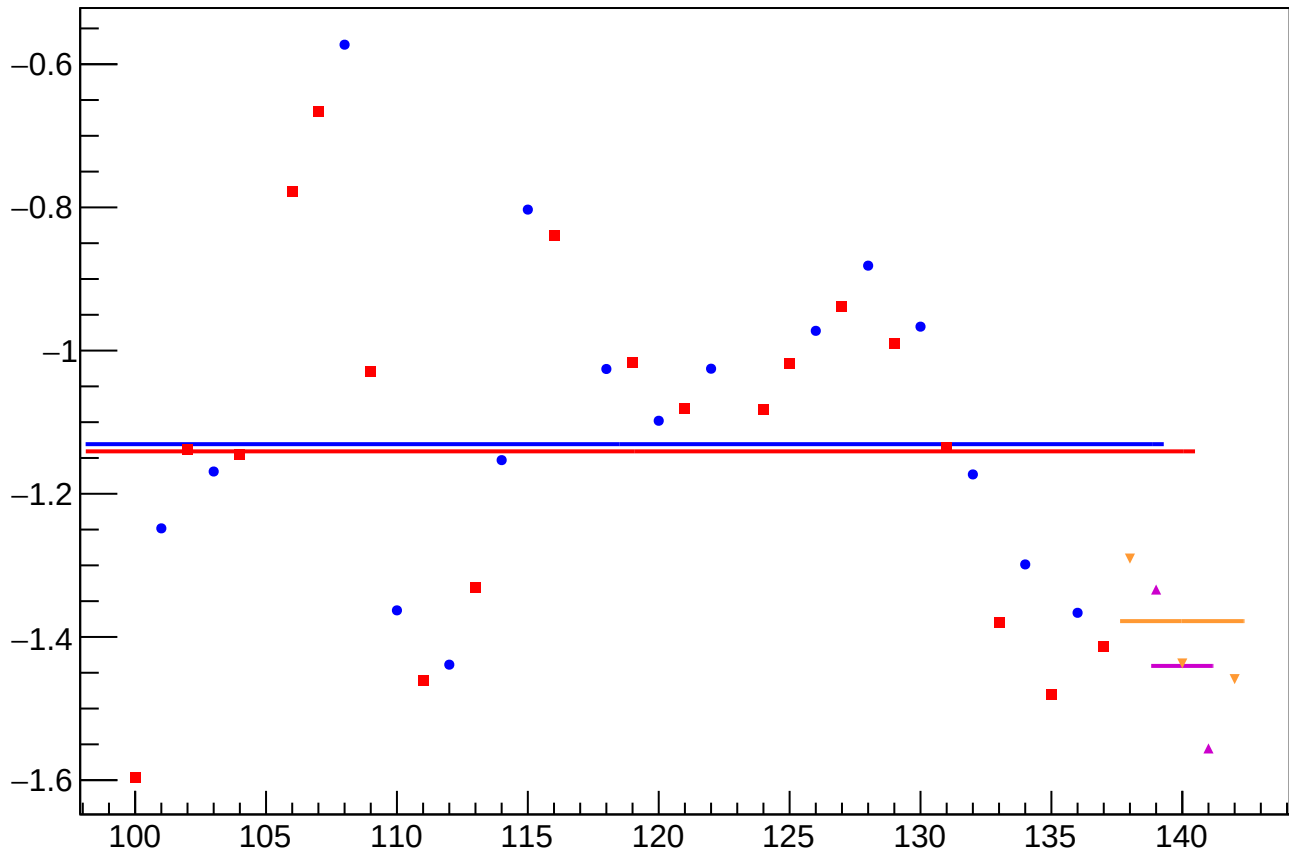
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1508.1/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 131276.2/18

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 235148.2/39

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 103769.4/20

yield_bpm0i02aY_mean vs Slug



Right In: -1.131+/-0.000 χ^2/NDF : 3790121991.7/15

Left Out: -1.378+/-0.000 χ^2/NDF : 171491351.1/2

Right Out: -1.141+/-0.000 χ^2/NDF : 3544012262.4/18

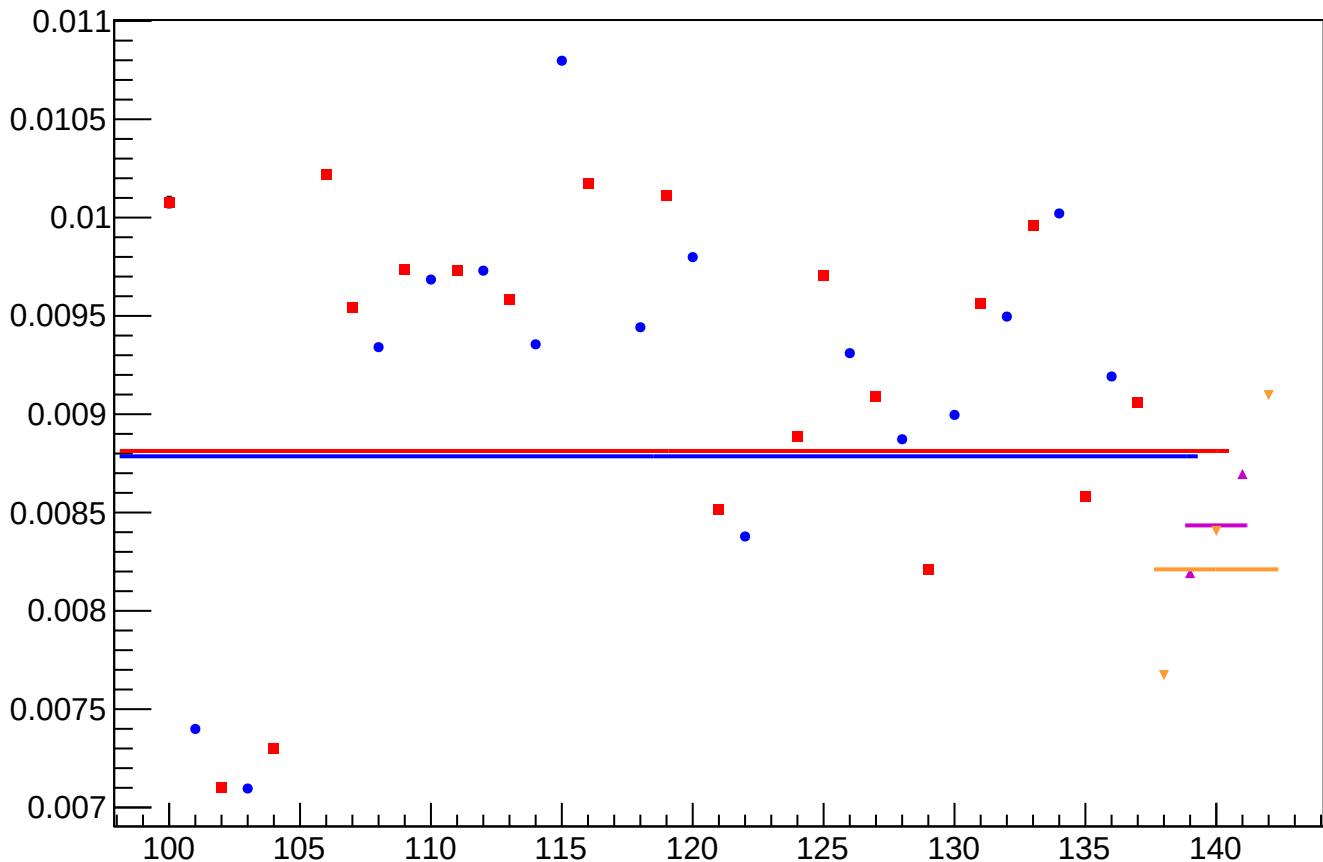
Left In: -1.440+/-0.000 χ^2/NDF : 291581663.1/1

+ sign -1.192+/-0.000 χ^2/NDF : 5315732803.9/18

All: -1.198+/-0.000 χ^2/NDF : 10841843020.6/18

- sign -1.204+/-0.000 χ^2/NDF : 5518905589.5/20

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 173477.6/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:16273.4/2

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 204443.3/18

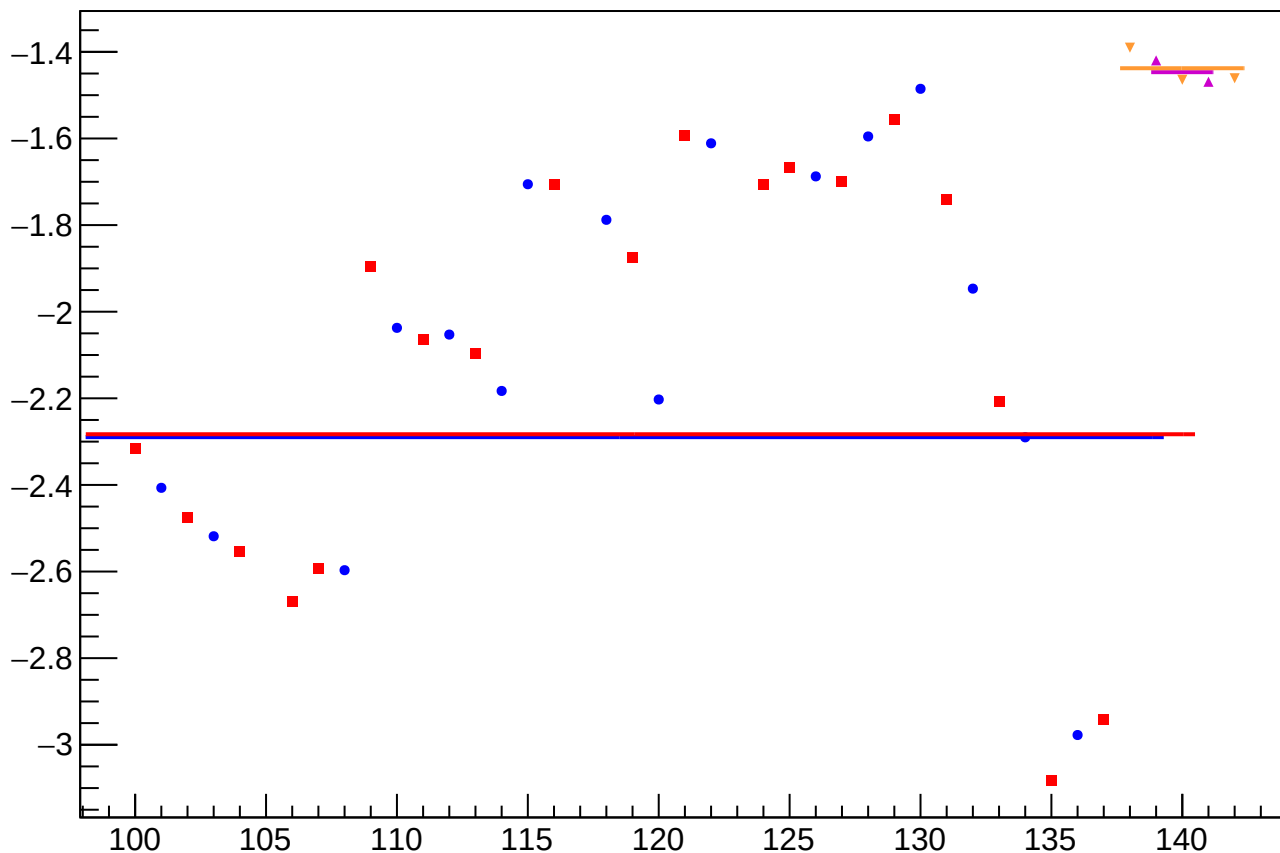
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:3009.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 204407.1/18

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 418200.9/39

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 212826.5/20

yield_bpm0i05X_mean vs Slug



Right In: -2.290+/-0.000 χ^2 /NDF: 15222817978.4/15

Left Out: -1.438+/-0.000 χ^2 /NDF: 27233199.7/2

Right Out: -2.283+/-0.000 χ^2 /NDF: 17032219519.1/18

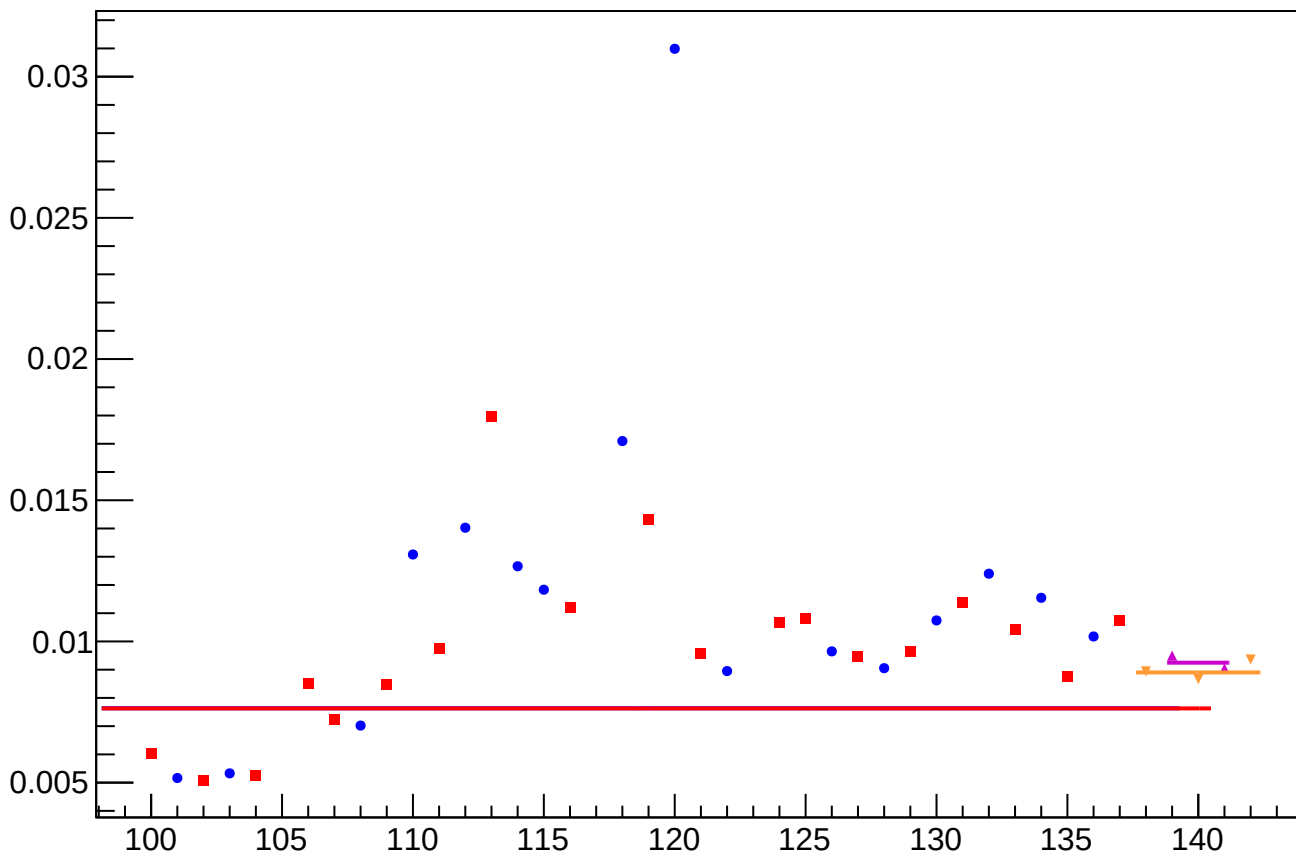
Left In: -1.447+/-0.000 χ^2 /NDF: 11035804.7/1

+ sign -2.115+/-0.000 χ^2 /NDF: 28209202100.1/18

All: -2.132+/-0.000 χ^2 /NDF: 56054381623.6/1

- sign -2.148+/-0.000 χ^2 /NDF: 27785122304.5/20

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1710797.2/15

Left Out: 0.009+/-0.000 χ^2/NDF : 3083.4/2

Right Out: 0.008+/-0.000 χ^2/NDF : 1317740.1/18

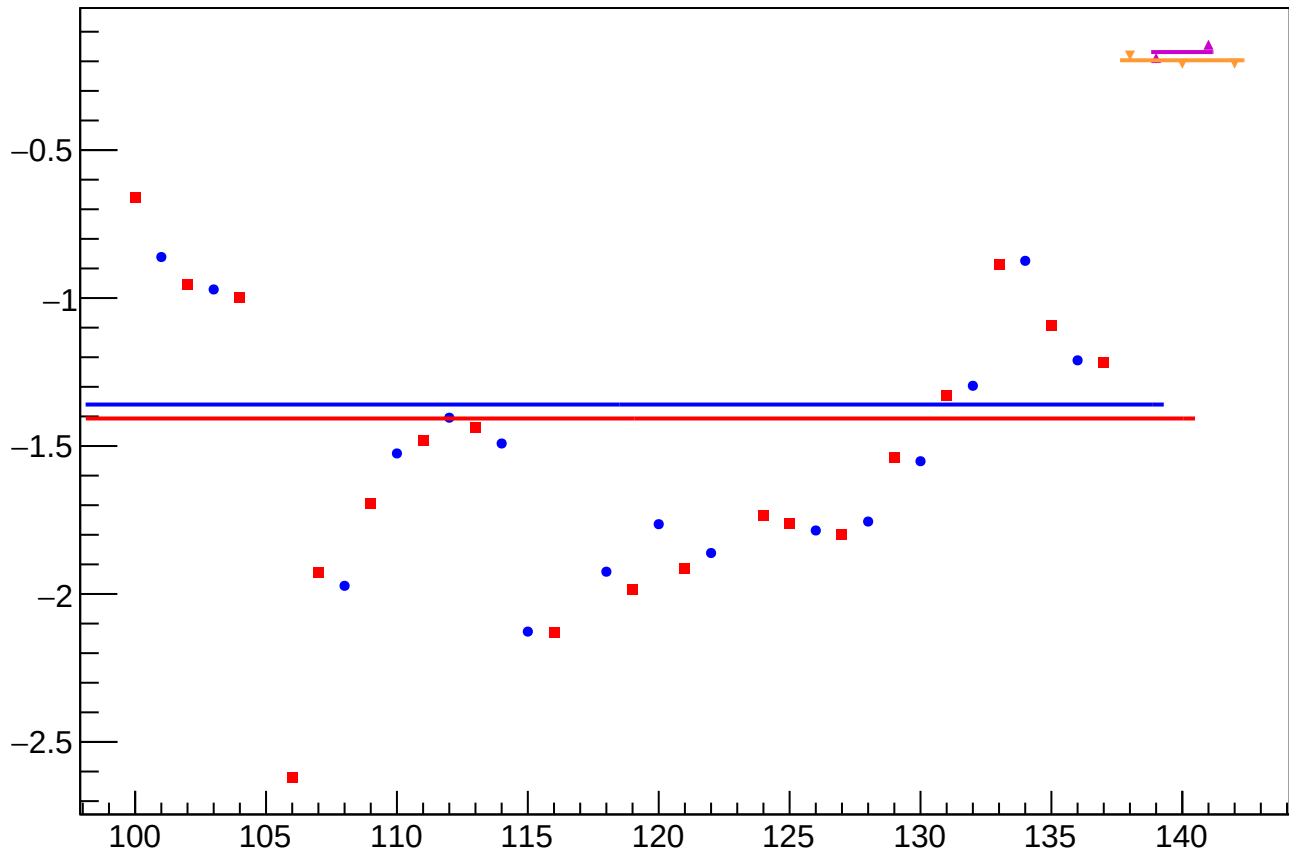
Left In: 0.009+/-0.000 χ^2/NDF : 1852.6/1

+ sign 0.008+/-0.000 χ^2/NDF : 1771406.0/18

All: 0.008+/-0.000 χ^2/NDF : 3171684.9/39

- sign 0.008+/-0.000 χ^2/NDF : 1400277.4/20

yield_bpm0i05Y_mean vs Slug



Right In: -1.360 ± 0.000 $\chi^2/\text{NDF}: 21491965614.5/15$

Left Out: -0.197 ± 0.000 $\chi^2/\text{NDF}: 18713673.8/2$

Right Out: -1.407 ± 0.000 $\chi^2/\text{NDF}: 29835610413.0/18$

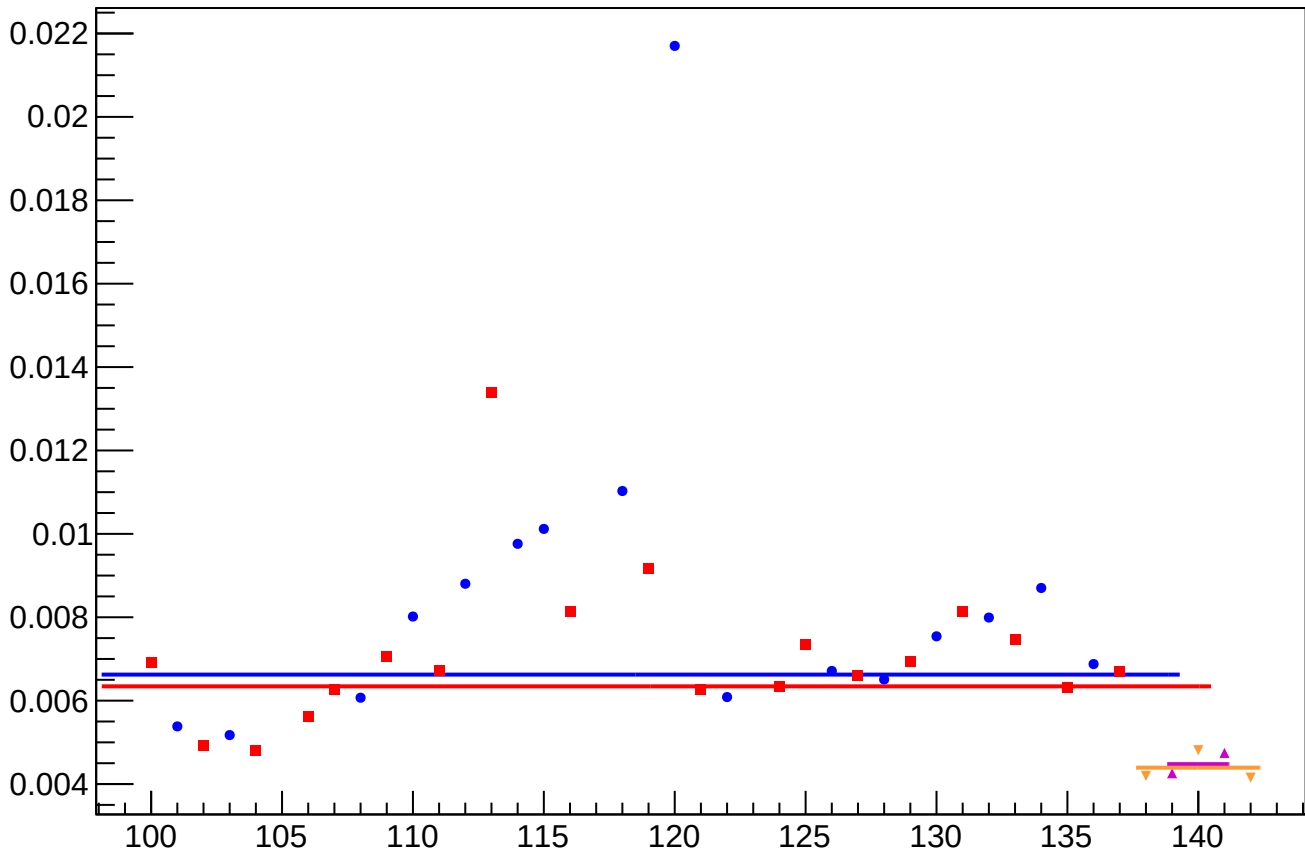
Left In: -0.169 ± 0.000 $\chi^2/\text{NDF}: 40266852.2/1$

+ sign -0.861 ± 0.000 $\chi^2/\text{NDF}: 97984104818.5/18$

All: -0.921 ± 0.000 $\chi^2/\text{NDF}: 209832713284.8$

- sign -0.980 ± 0.000 $\chi^2/\text{NDF}: 110211698219.1/20$

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 :17628.3/2

Right Out: 0.006+/-0.000 χ^2/NDF : 529170.9/18

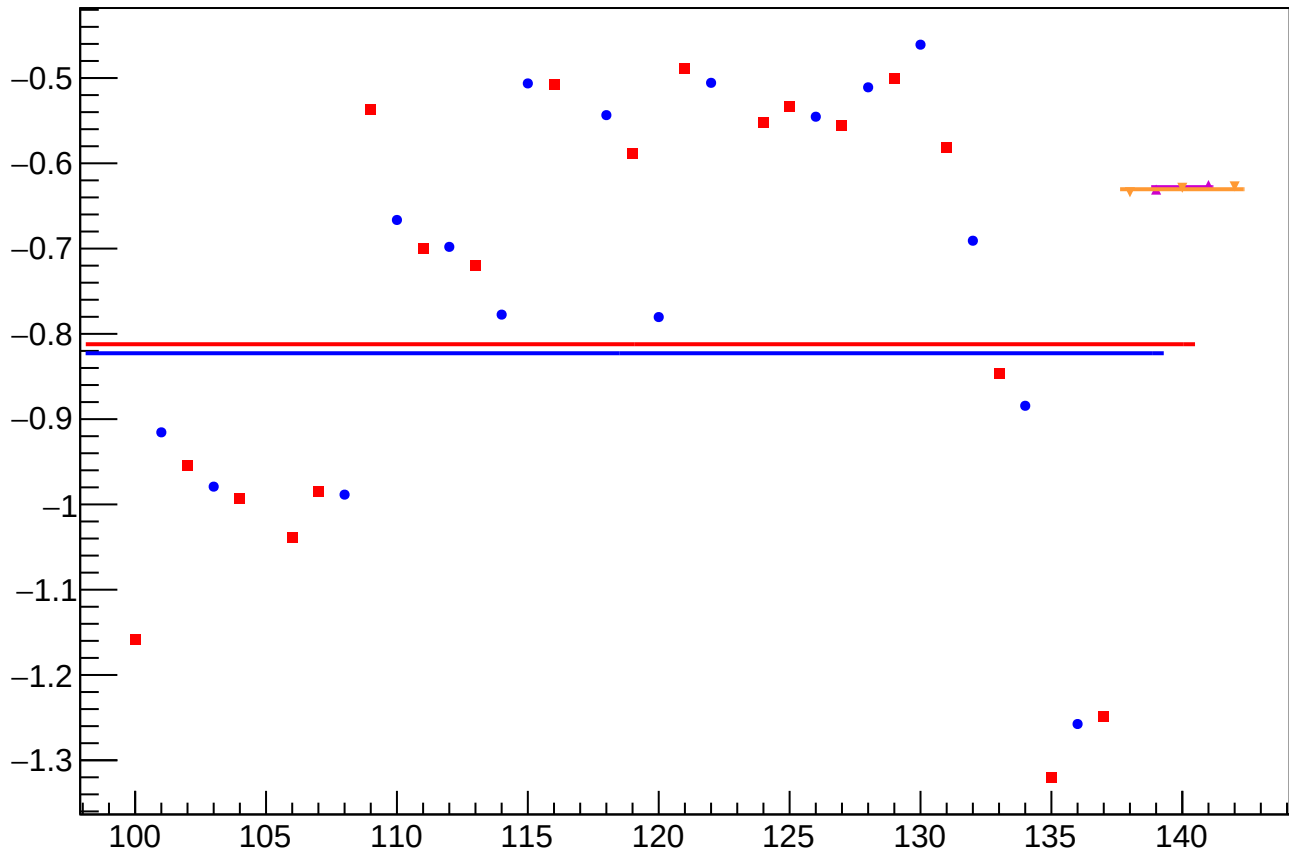
Left In: 0.004+/-0.000 χ^2/NDF :9410.4/1

+ sign 0.006+/-0.000 χ^2/NDF : 1274568.5/18

All: 0.006+/-0.000 χ^2/NDF : 2178236.3/39

- sign 0.006+/-0.000 χ^2/NDF : 903429.9/20

yield_bpm0i07X_mean vs Slug



Right In: -0.823+/-0.000 χ^2 /NDF: 12226599844.5/15

Left Out: -0.630+/-0.000 χ^2 /NDF: 395129.4/2

Right Out: -0.812+/-0.000 χ^2 /NDF: 14825441332.4/18

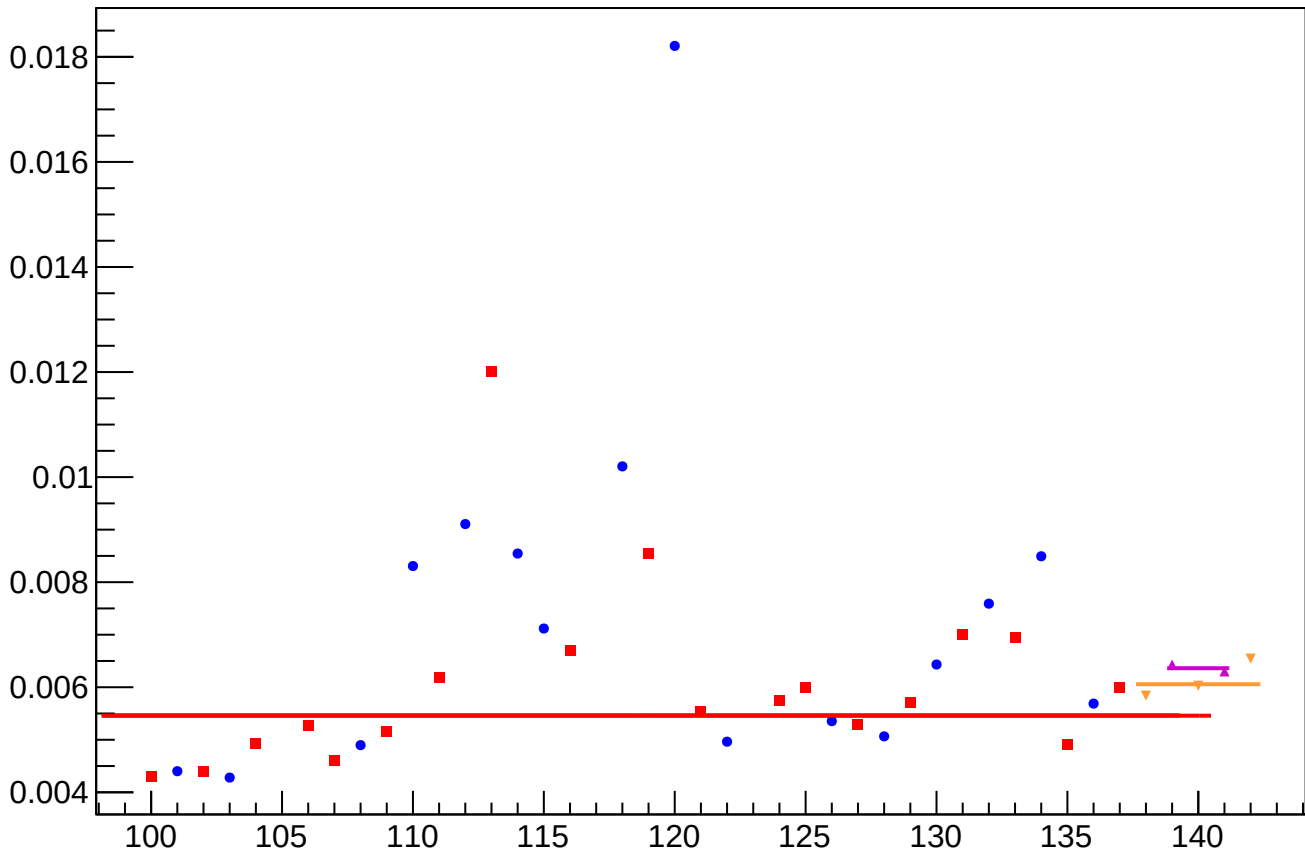
Left In: -0.628+/-0.000 χ^2 /NDF: 272960.2/1

+ sign -0.783+/-0.000 χ^2 /NDF: 13631673759.4/18

All: -0.783+/-0.000 χ^2 /NDF: 29544063354.2/1

- sign -0.783+/-0.000 χ^2 /NDF: 15912380870.2/20

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 961483.6/15

Left Out: 0.006+/-0.000 χ^2/NDF : 6181.9/2

Right Out: 0.005+/-0.000 χ^2/NDF : 507792.7/18

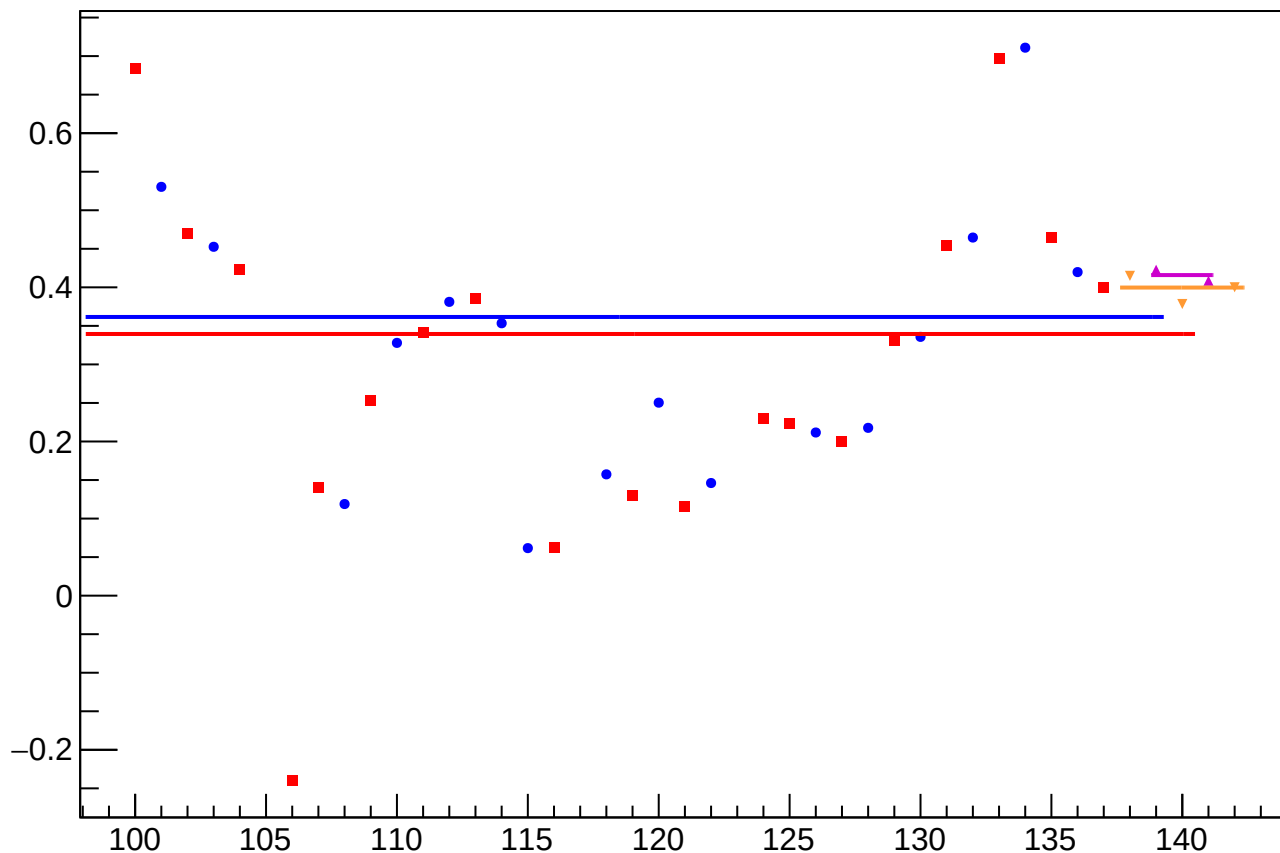
Left In: 0.006+/-0.000 χ^2/NDF : 320.8/1

+ sign 0.006+/-0.000 χ^2/NDF : 994432.7/18

All: 0.006+/-0.000 χ^2/NDF : 1554909.6/39

- sign 0.006+/-0.000 χ^2/NDF : 560413.0/20

yield_bpm0i07Y_mean vs Slug



Right In: 0.362 $\pm$ 0.000 χ^2 /NDF: 8775952187.9/15

Left Out: 0.400 $\pm$ 0.000 χ^2 /NDF:23633439.0/2

Right Out: 0.339 $\pm$ 0.000 χ^2 /NDF: 12071802789.9/18

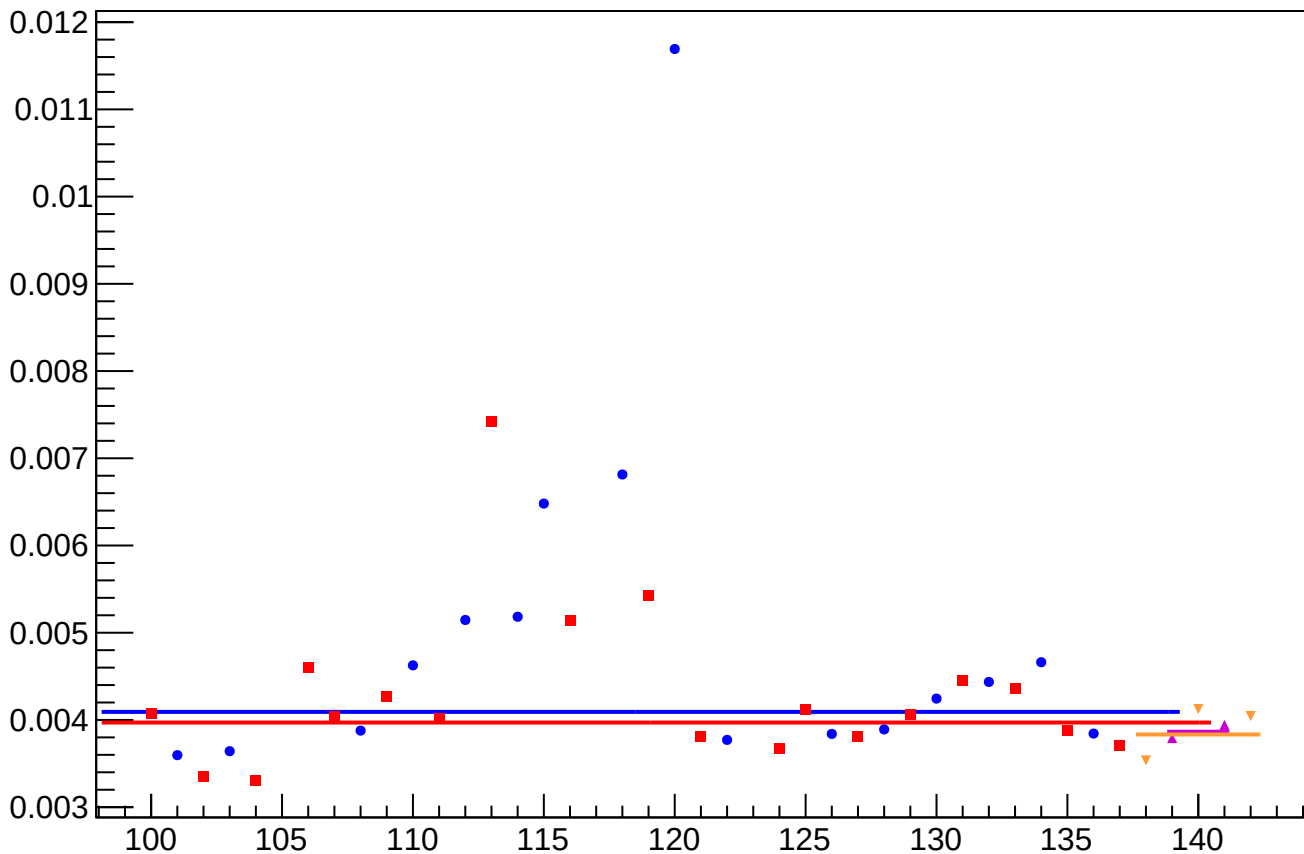
Left In: 0.416 $\pm$ 0.000 χ^2 /NDF:3732023.7/1

+ sign 0.369 $\pm$ 0.000 χ^2 /NDF: 8904902311.9/18

All: 0.360 $\pm$ 0.000 χ^2 /NDF: 21418574455.3/3

- sign 0.351 $\pm$ 0.000 χ^2 /NDF: 12438258252.2/20

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 :14225.1/2

Right Out: 0.004+/-0.000 χ^2/NDF : 313701.1/18

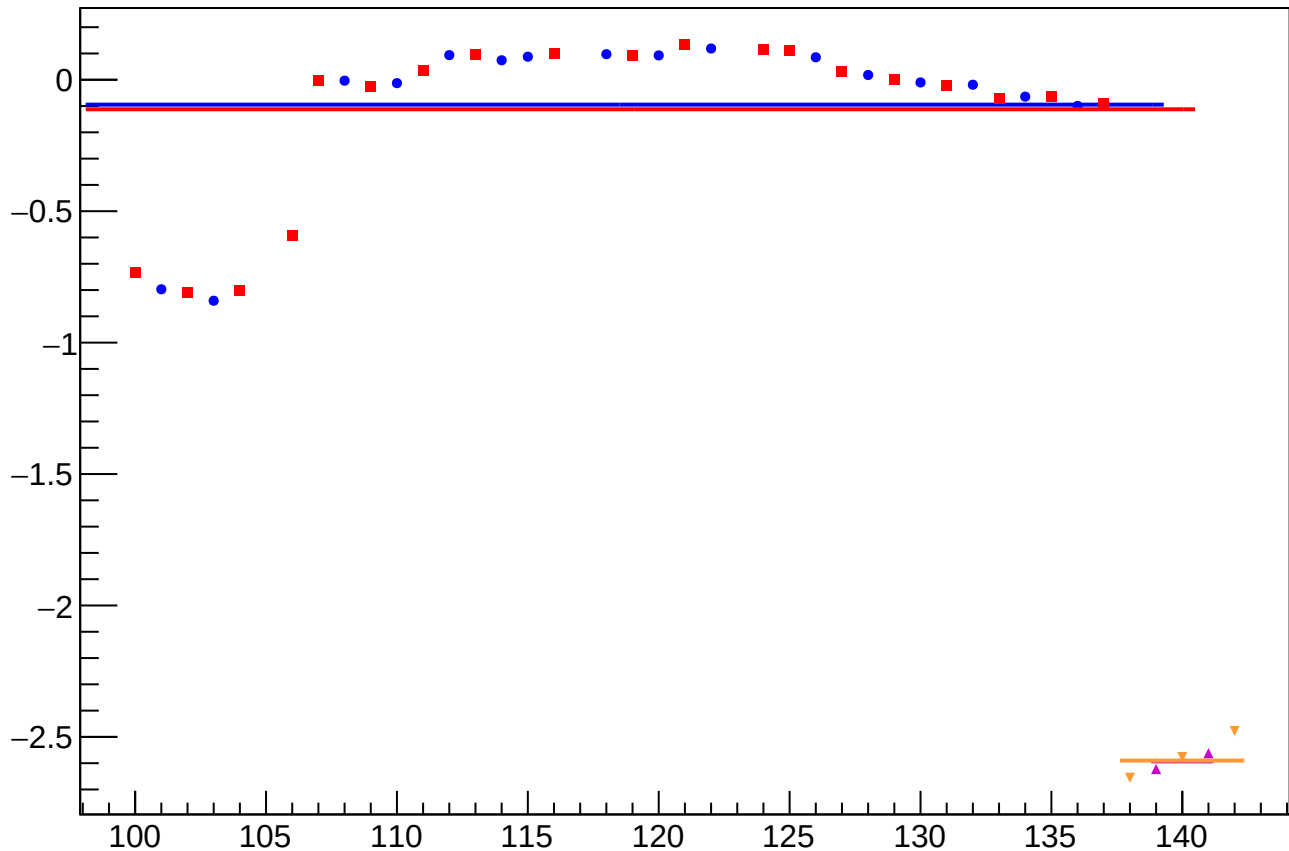
Left In: 0.004+/-0.000 χ^2/NDF :830.2/1

+ sign 0.004+/-0.000 χ^2/NDF : 515693.9/18

All: 0.004+/-0.000 χ^2/NDF : 835134.8/39

- sign 0.004+/-0.000 χ^2/NDF : 315907.3/20

yield_bpm1i02X_mean vs Slug



Right In: -0.095+/-0.000 χ^2/NDF : 5489721985.1/15

Left Out: -2.590+/-0.000 χ^2/NDF : 46986566.0/2

Right Out: -0.112+/-0.000 χ^2/NDF : 6190163375.6/18

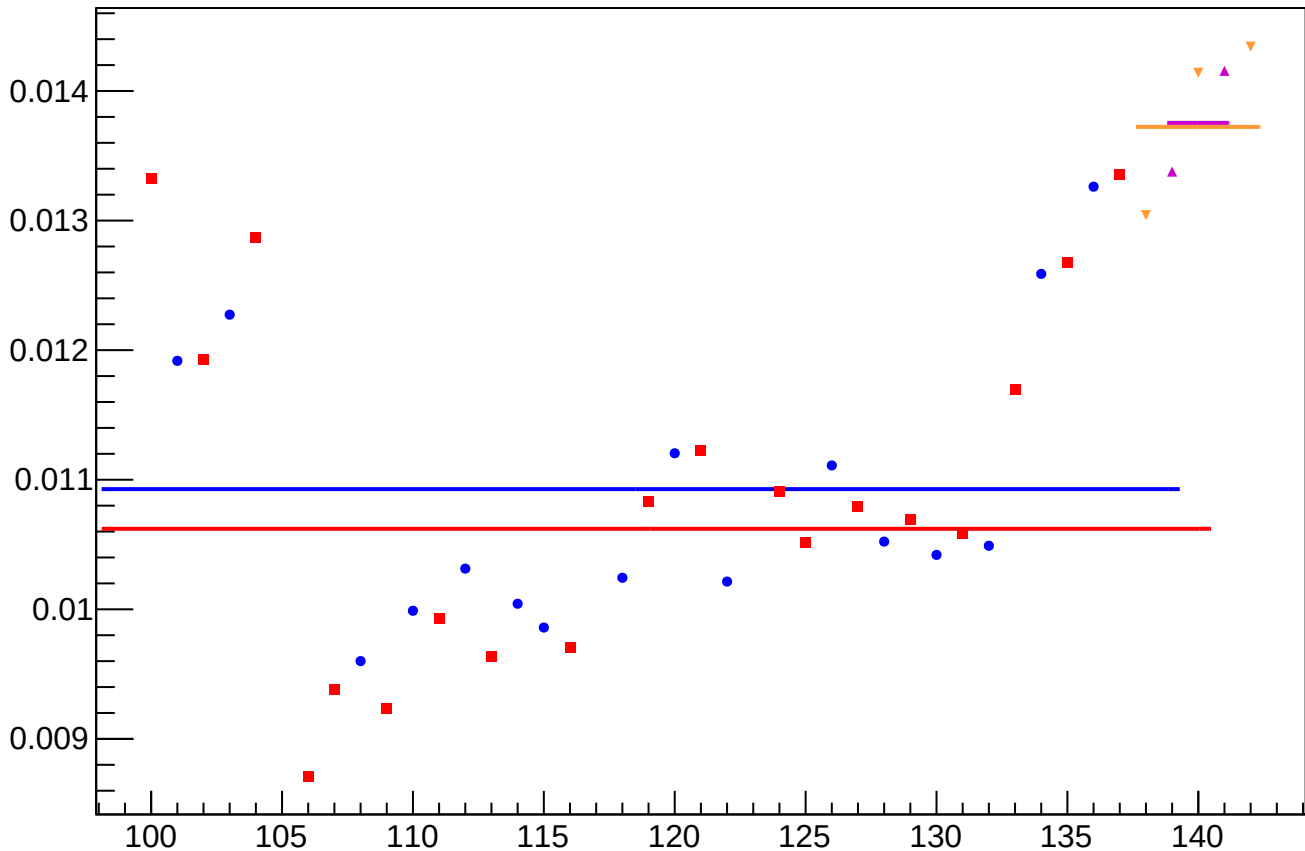
Left In: -2.593+/-0.000 χ^2/NDF : 8289410.7/1

+ sign -0.478+/-0.000 χ^2/NDF : 62543812573.6/18

All: -0.446+/-0.000 χ^2/NDF : 118074831549.2

- sign -0.416+/-0.000 χ^2/NDF : 55392281890.9/20

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 136478.1/15

Left Out: 0.014+/-0.000 χ^2/NDF : 7260.8/2

Right Out: 0.011+/-0.000 χ^2/NDF : 190526.1/18

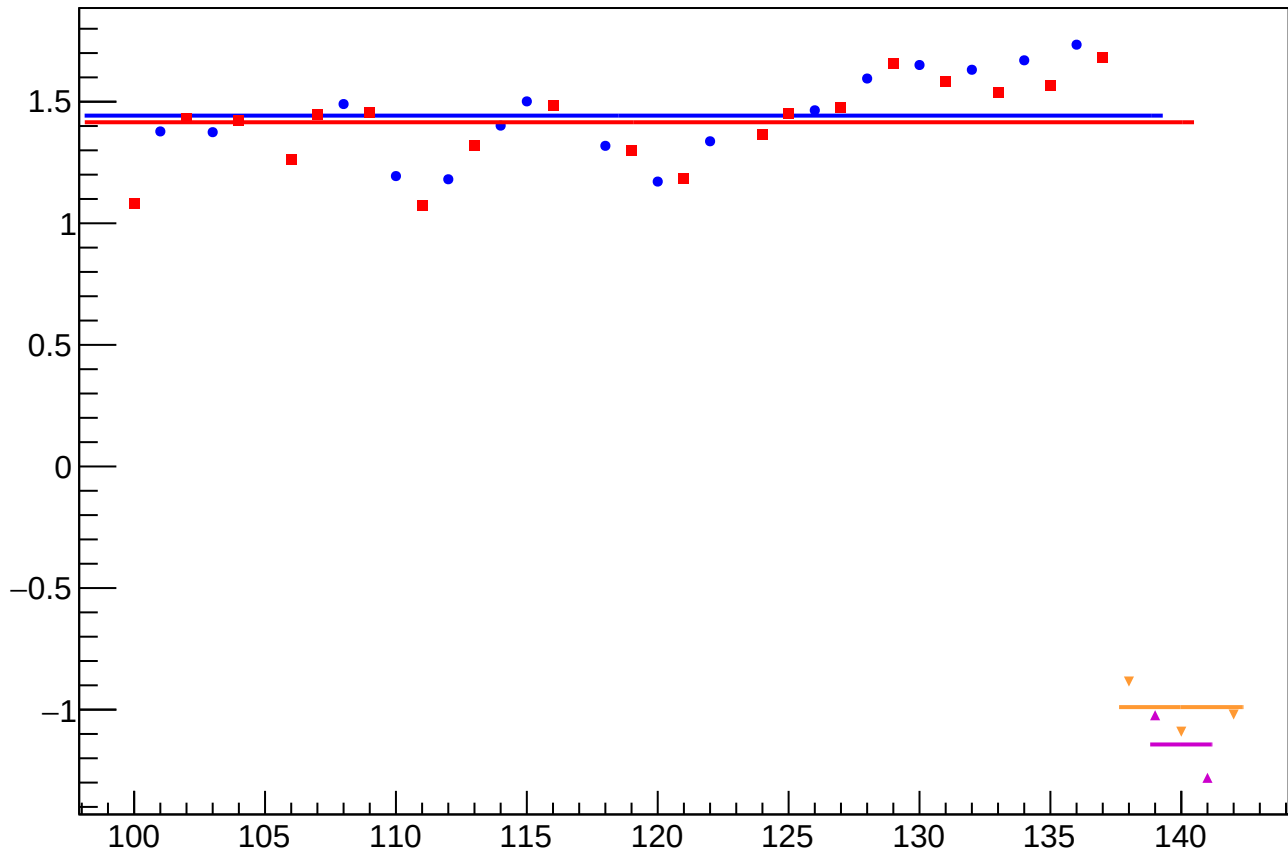
Left In: 0.014+/-0.000 χ^2/NDF : 2750.6/1

+ sign 0.011+/-0.000 χ^2/NDF : 286826.9/18

All: 0.011+/-0.000 χ^2/NDF : 645933.7/39

- sign 0.011+/-0.000 χ^2/NDF : 350136.6/20

yield_bpm1i02Y_mean vs Slug



Right In: 1.443+/-0.000 χ^2/NDF : 3739724691.1/15

Left Out: -0.990+/-0.000 χ^2/NDF : 168333303.9/2

+ sign 1.128+/-0.000 χ^2/NDF : 103916803926.0/18

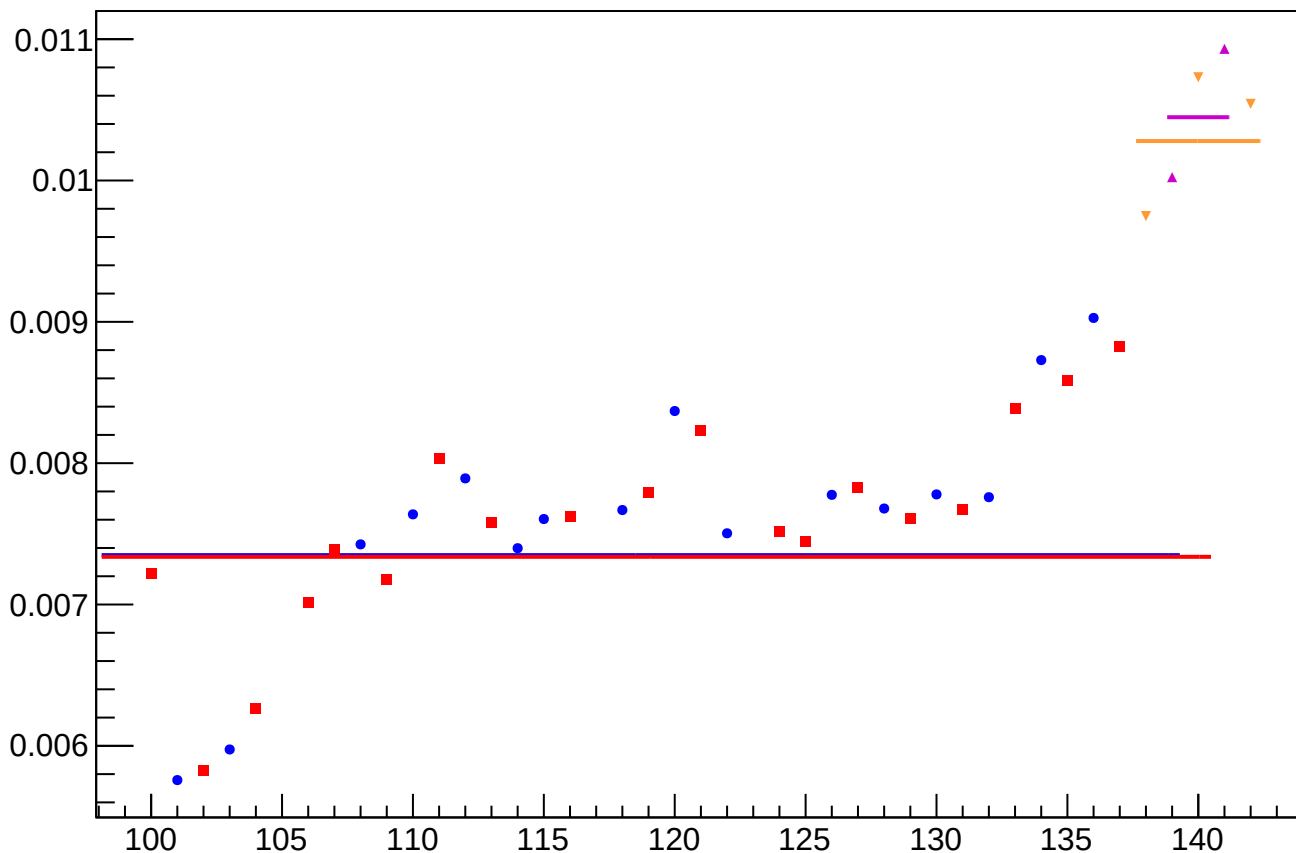
Right Out: 1.415+/-0.000 χ^2/NDF : 2803466123.0/18

All: 1.140+/-0.000 χ^2/NDF : 199679198357.5

Left In: -1.143+/-0.000 χ^2/NDF : 259988195.2/1

- sign 1.151+/-0.000 χ^2/NDF : 95723978409.0/20

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 270864.2/15

Left Out: 0.010+/-0.000 χ^2/NDF : 8119.3/2

Right Out: 0.007+/-0.000 χ^2/NDF : 195372.6/18

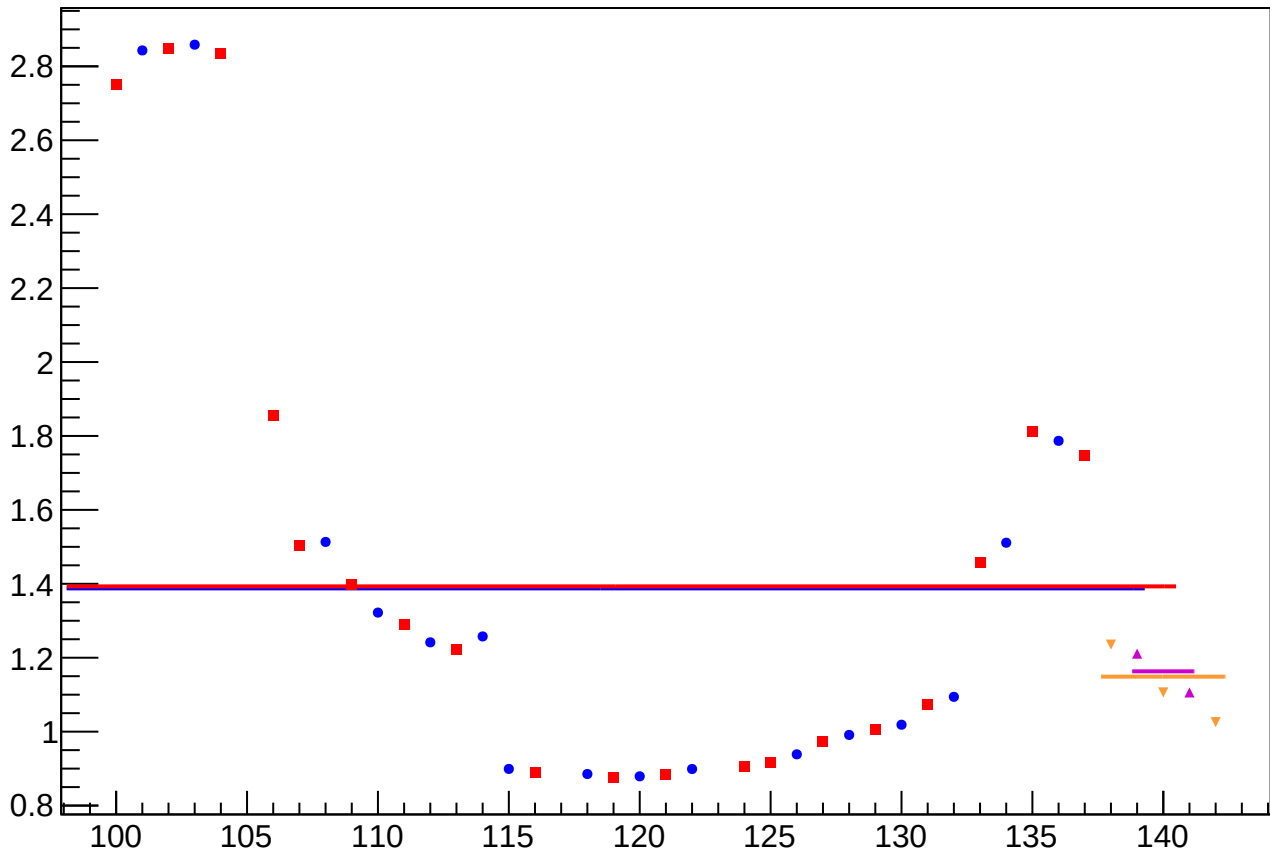
Left In: 0.010+/-0.000 χ^2/NDF : 6478.5/1

+ sign 0.008+/-0.000 χ^2/NDF : 569193.2/18

All: 0.008+/-0.000 χ^2/NDF : 1045602.6/39

- sign 0.008+/-0.000 χ^2/NDF : 475689.8/20

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF : 58612635453.0/15

Left Out: 1.149+/-0.000 χ^2/NDF : 210355170.3/2

Right Out: 1.393+/-0.000 χ^2/NDF : 55365724659.7/18

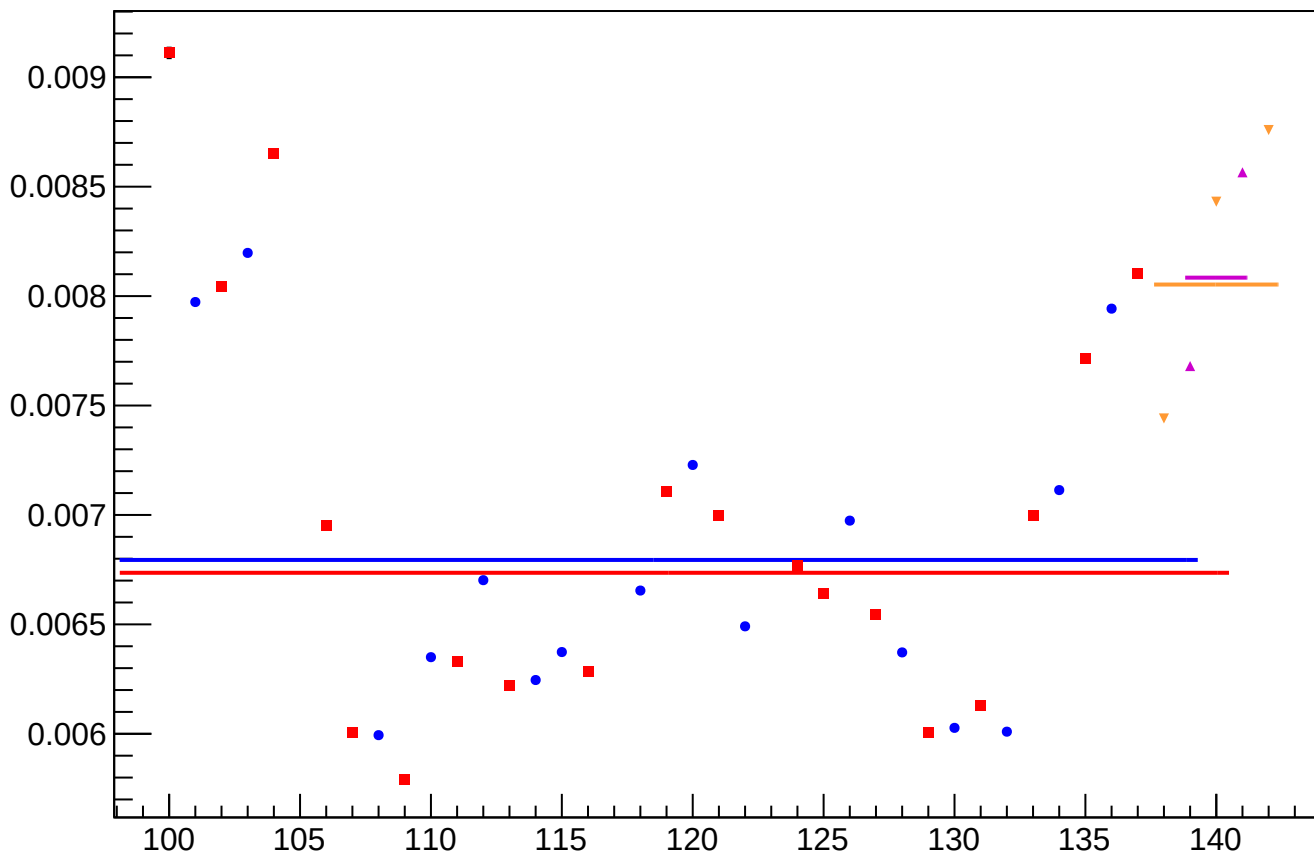
Left In: 1.163+/-0.000 χ^2/NDF : 71387004.8/1

+ sign 1.347+/-0.000 χ^2/NDF : 60301487851.4/18

All: 1.354+/-0.000 χ^2/NDF : 116944830337.8

- sign 1.361+/-0.000 χ^2/NDF : 56625591908.8/20

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 164456.7/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:19317.1/2

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 198492.7/18

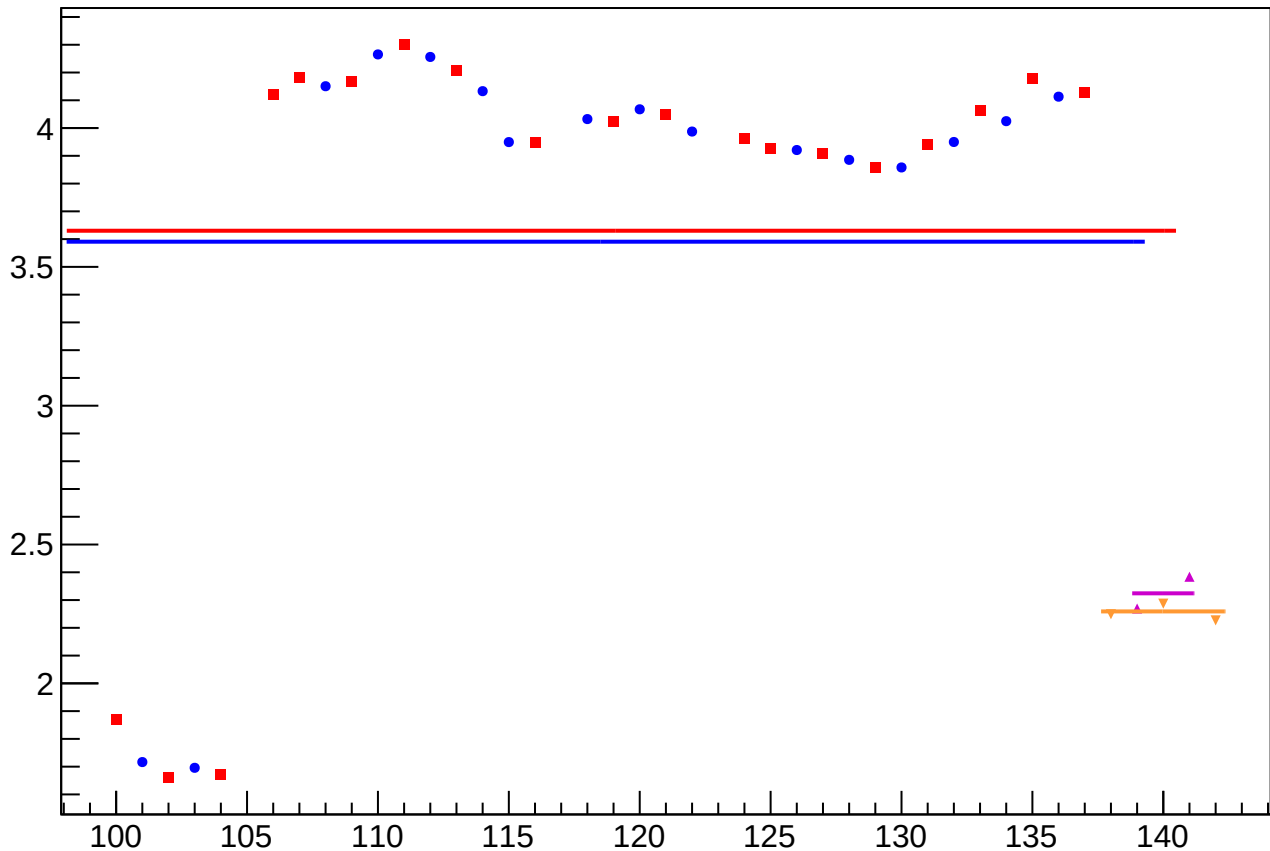
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:10156.6/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 265892.9/18

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 557671.0/39

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 290470.7/20

yield_bpm1i04Y_mean vs Slug



Right In: 3.591 $\pm$ 0.000 χ^2/NDF : 202184644473.7/15

Left Out: 2.259 $\pm$ 0.000 χ^2/NDF : 21701560.8/2

Right Out: 3.630 $\pm$ 0.000 χ^2/NDF : 212588390342.3/18

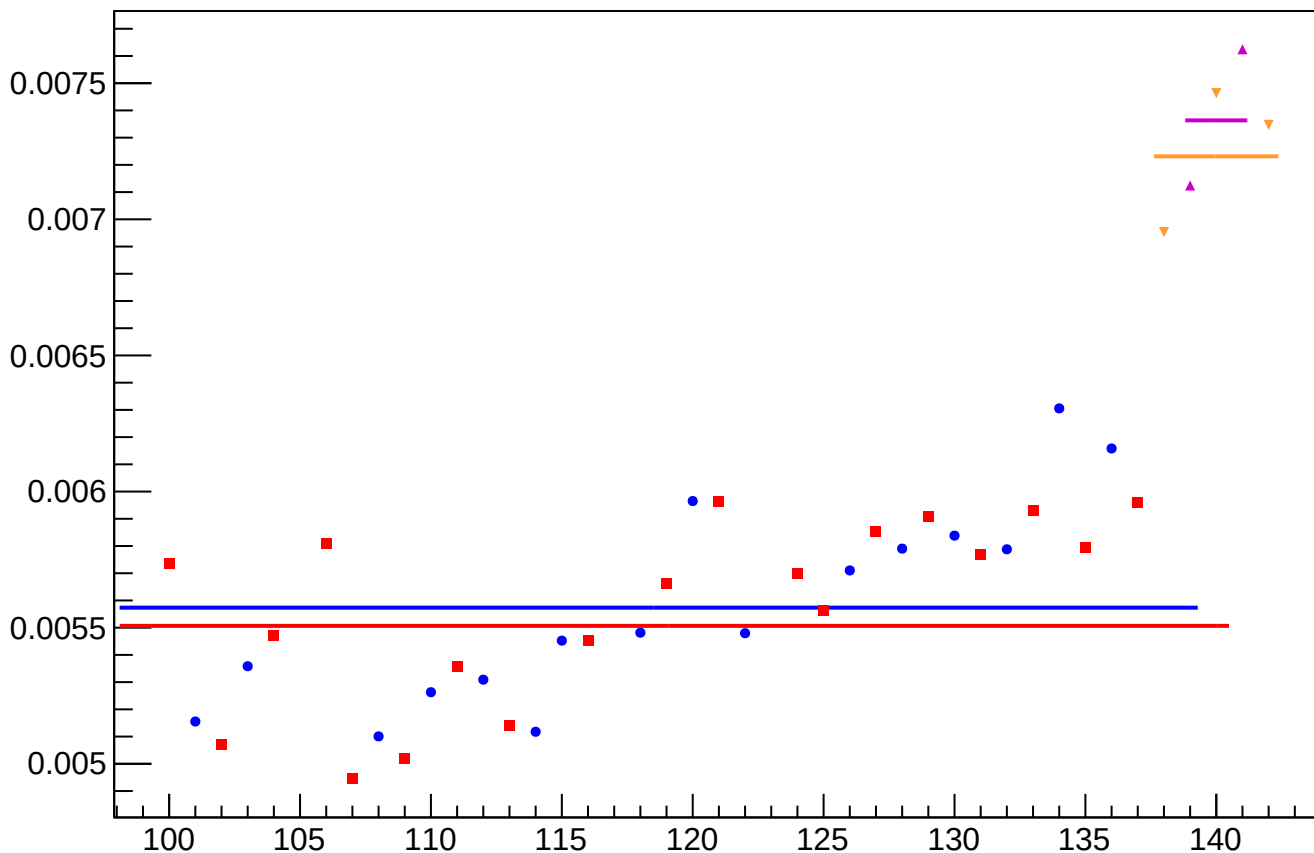
Left In: 2.324 $\pm$ 0.000 χ^2/NDF : 103716002.6/1

+ sign 3.399 $\pm$ 0.000 χ^2/NDF : 261141948443.5/18

All: 3.439 $\pm$ 0.000 χ^2/NDF : 522482905274.7

- sign 3.478 $\pm$ 0.000 χ^2/NDF : 260489117450.6/20

yield_bpm1i04Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 59130.1/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 4282.5/2

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 57427.9/18

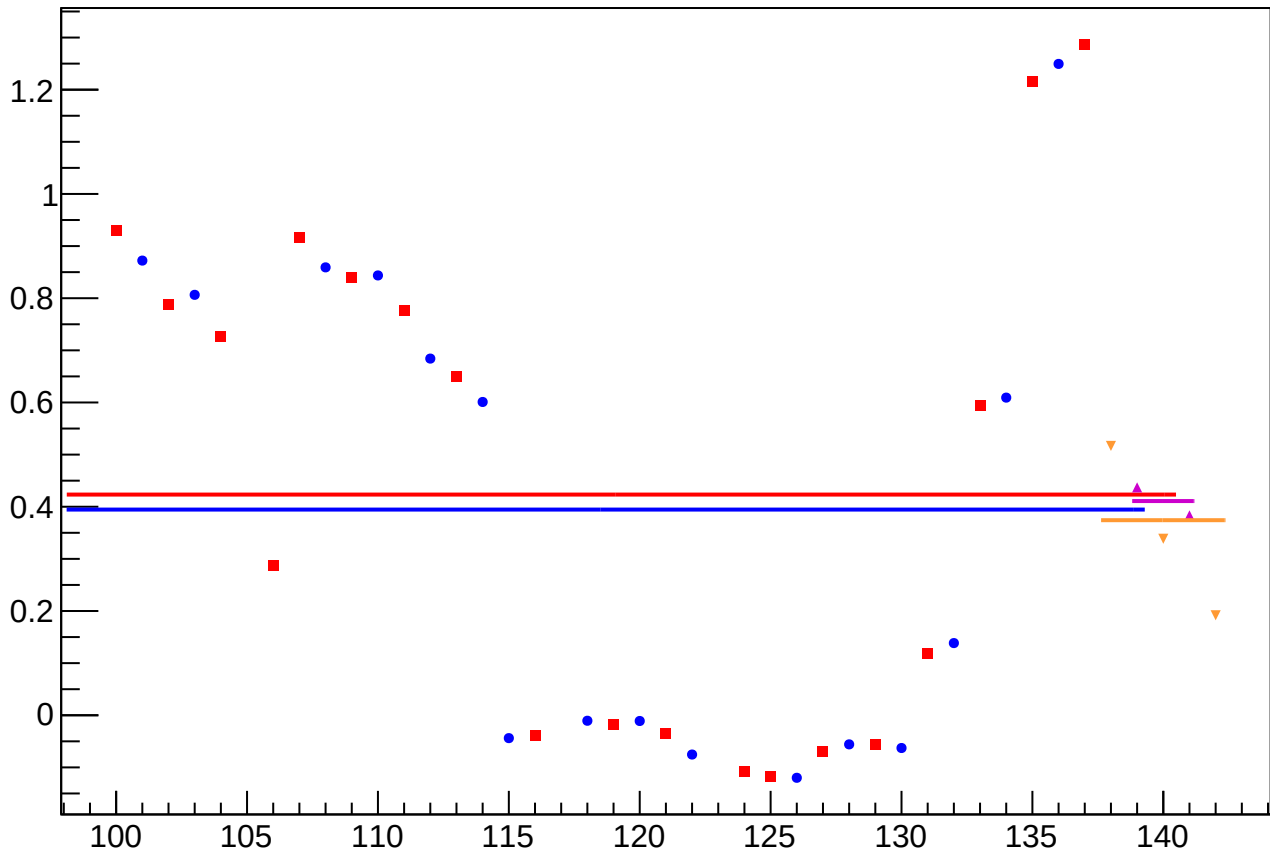
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3964.2/1

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 246090.4/18

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 502915.0/39

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 254649.5/20

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF : 7412548044.8/15

Left Out: 0.374+/-0.000 χ^2/NDF :123808178.5/2

+ sign 0.391+/-0.000 χ^2/NDF : 7538988603.7/18

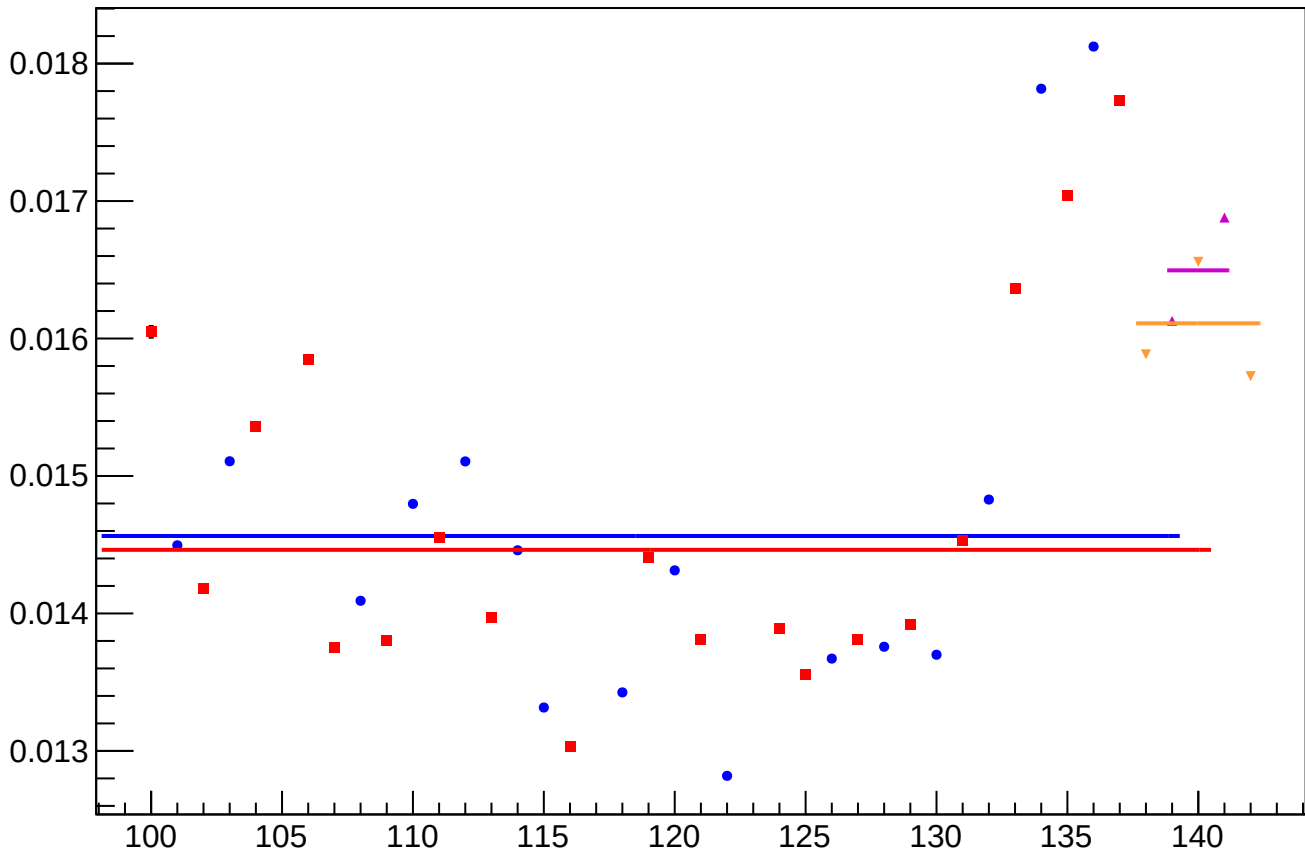
Right Out: 0.423+/-0.000 χ^2/NDF : 6904060515.1/18

All: 0.406+/-0.000 χ^2/NDF : 14467865197.2/3

- sign 0.421+/-0.000 χ^2/NDF : 6909429403.0/20

Left In: 0.411+/-0.000 χ^2/NDF :4543503.4/1

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF : 2046.5/2

Right Out: 0.014+/-0.000 χ^2/NDF : 77396.3/18

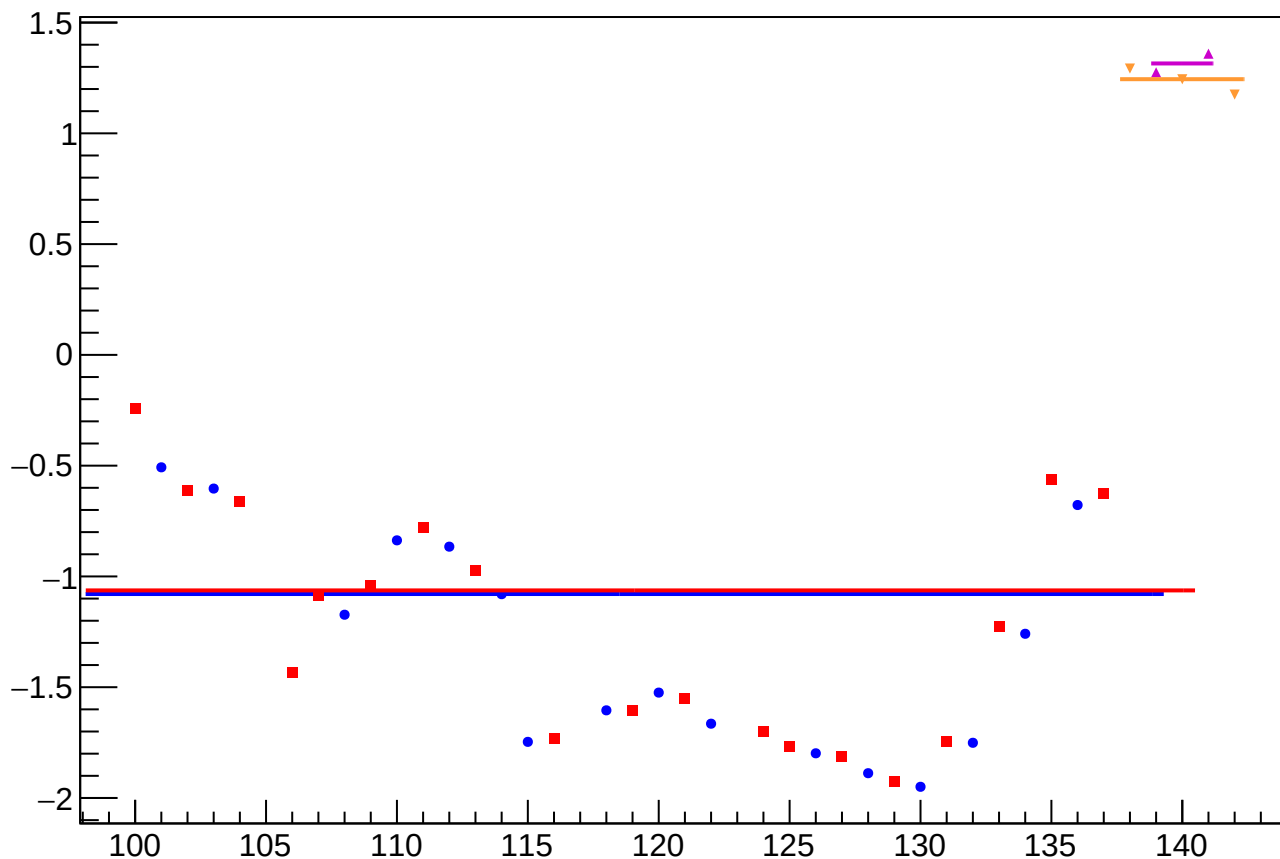
Left In: 0.016+/-0.000 χ^2/NDF : 1786.1/1

+ sign 0.015+/-0.000 χ^2/NDF : 165525.3/18

All: 0.015+/-0.000 χ^2/NDF : 289186.4/39

- sign 0.015+/-0.000 χ^2/NDF : 123385.9/20

yield_bpm1i06Y_mean vs Slug



Right In: -1.079+/-0.000 χ^2/NDF : 59756571764.5/15

Left Out: 1.244+/-0.000 χ^2/NDF : 264903450.3/2

Right Out: -1.063+/-0.000 χ^2/NDF : 49910403943.5/18

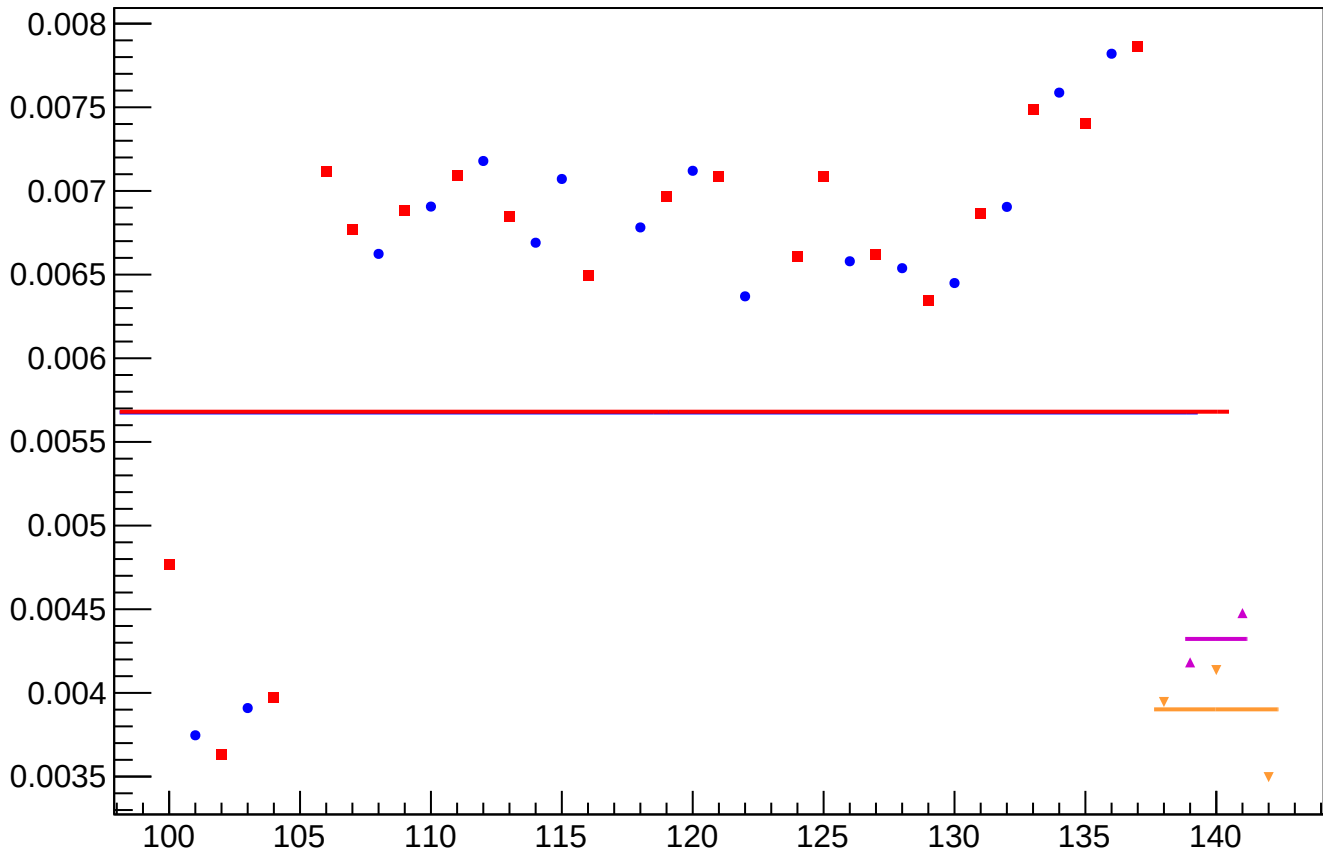
Left In: 1.315+/-0.000 χ^2/NDF : 154337492.0/1

+ sign -0.172+/-0.000 χ^2/NDF : 476654279498.8/18

All: -0.251+/-0.000 χ^2/NDF : 874710528127.0

- sign -0.340+/-0.000 χ^2/NDF : 393771531795.5/20

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF :15990.3/2

Right Out: 0.006+/-0.000 χ^2/NDF : 980583.9/18

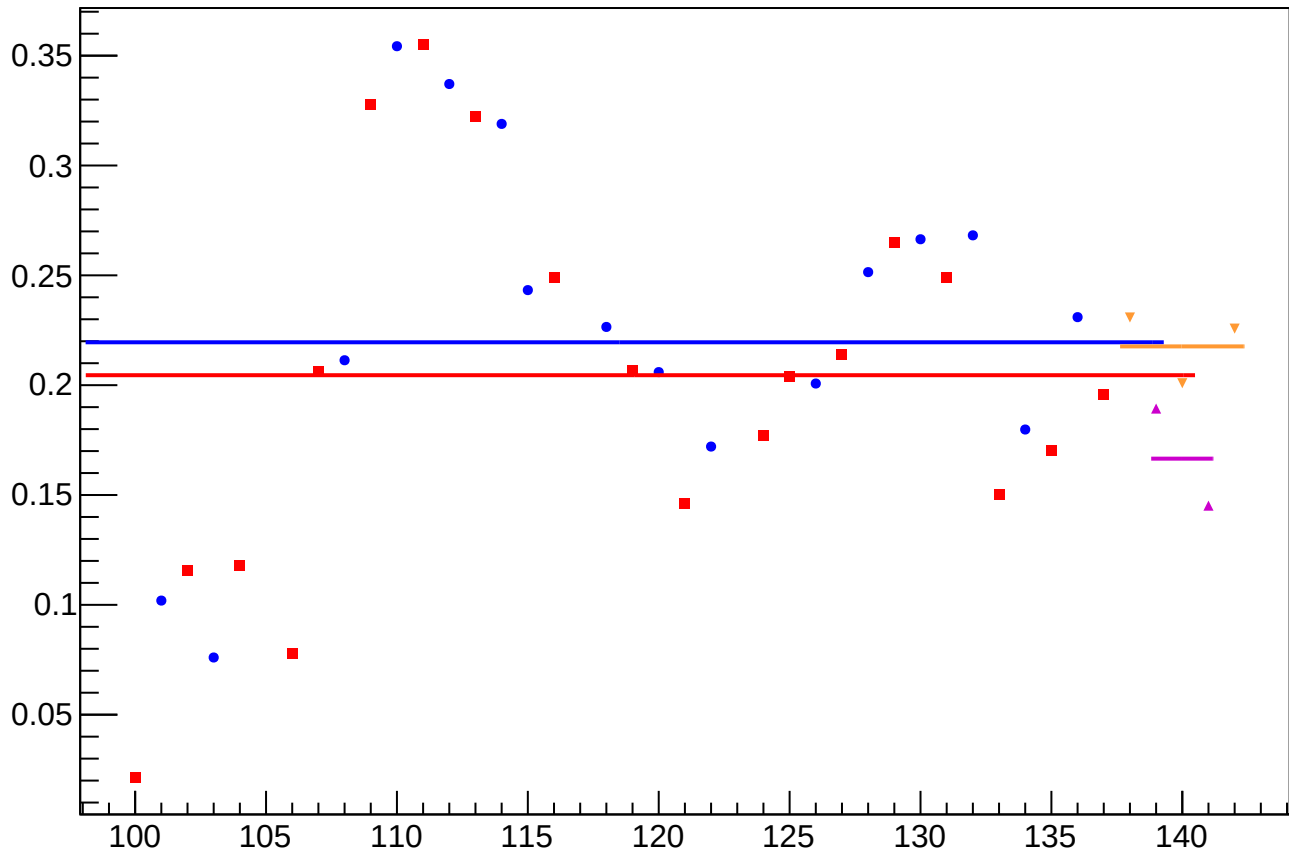
Left In: 0.004+/-0.000 χ^2/NDF :3775.8/1

+ sign 0.005+/-0.000 χ^2/NDF : 1446627.9/18

All: 0.005+/-0.000 χ^2/NDF : 2679692.1/39

- sign 0.005+/-0.000 χ^2/NDF : 1208432.7/20

yield_bpm2i01X_mean vs Slug



Right In: 0.220 ± 0.000 χ^2/NDF : 16729743257.8/15

Left Out: 0.218 ± 0.000 χ^2/NDF : 200690742.4/2

Right Out: 0.205 ± 0.000 χ^2/NDF : 22312377506.1/18

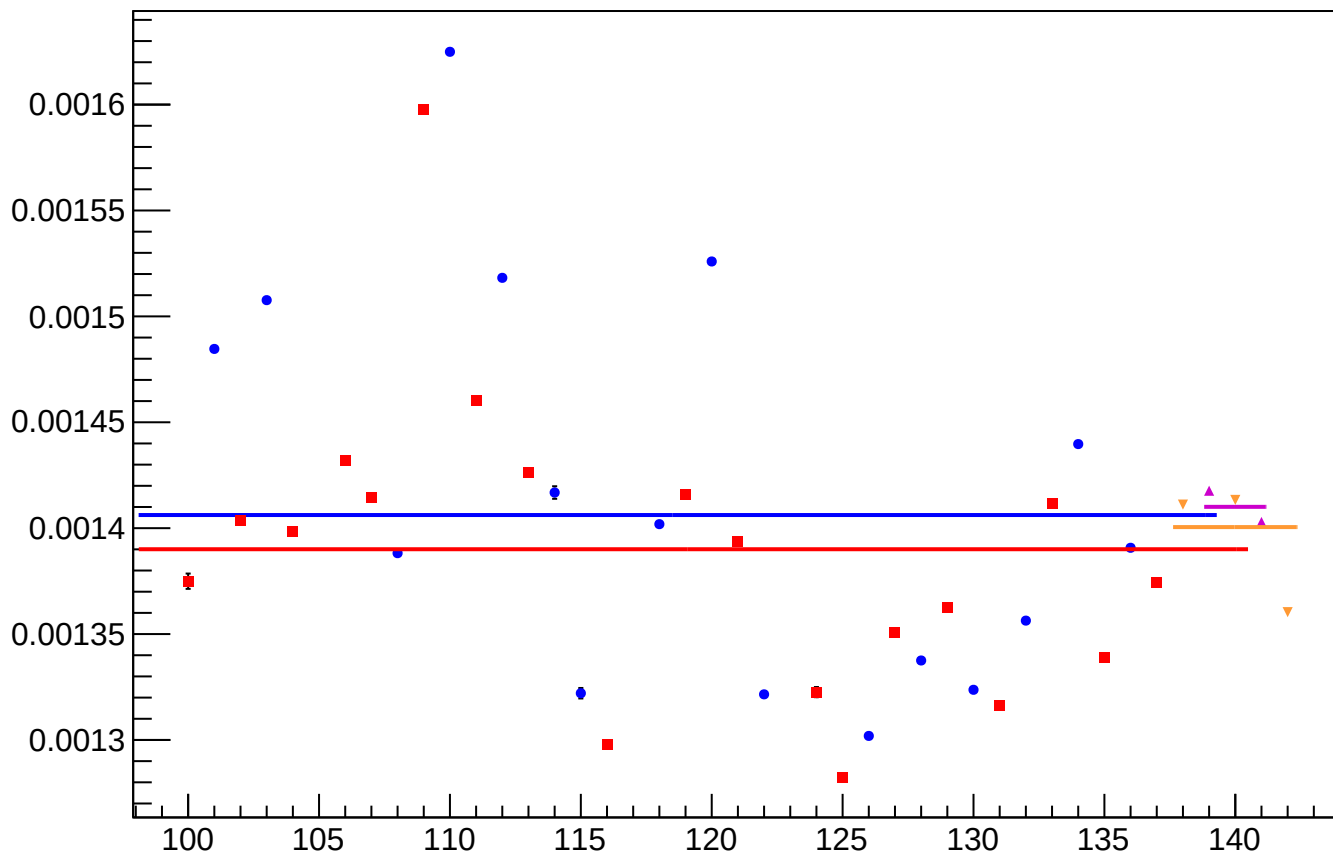
Left In: 0.167 ± 0.000 χ^2/NDF : 421950548.6/1

+ sign 0.219 ± 0.000 χ^2/NDF : 16933257151.0/18

All: 0.208 ± 0.000 χ^2/NDF : 41759063129.9/3

- sign 0.197 ± 0.000 χ^2/NDF : 23750762147.8/20

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 :990.0/2

Right Out: 0.001+/-0.000 χ^2/NDF : 34786.9/18

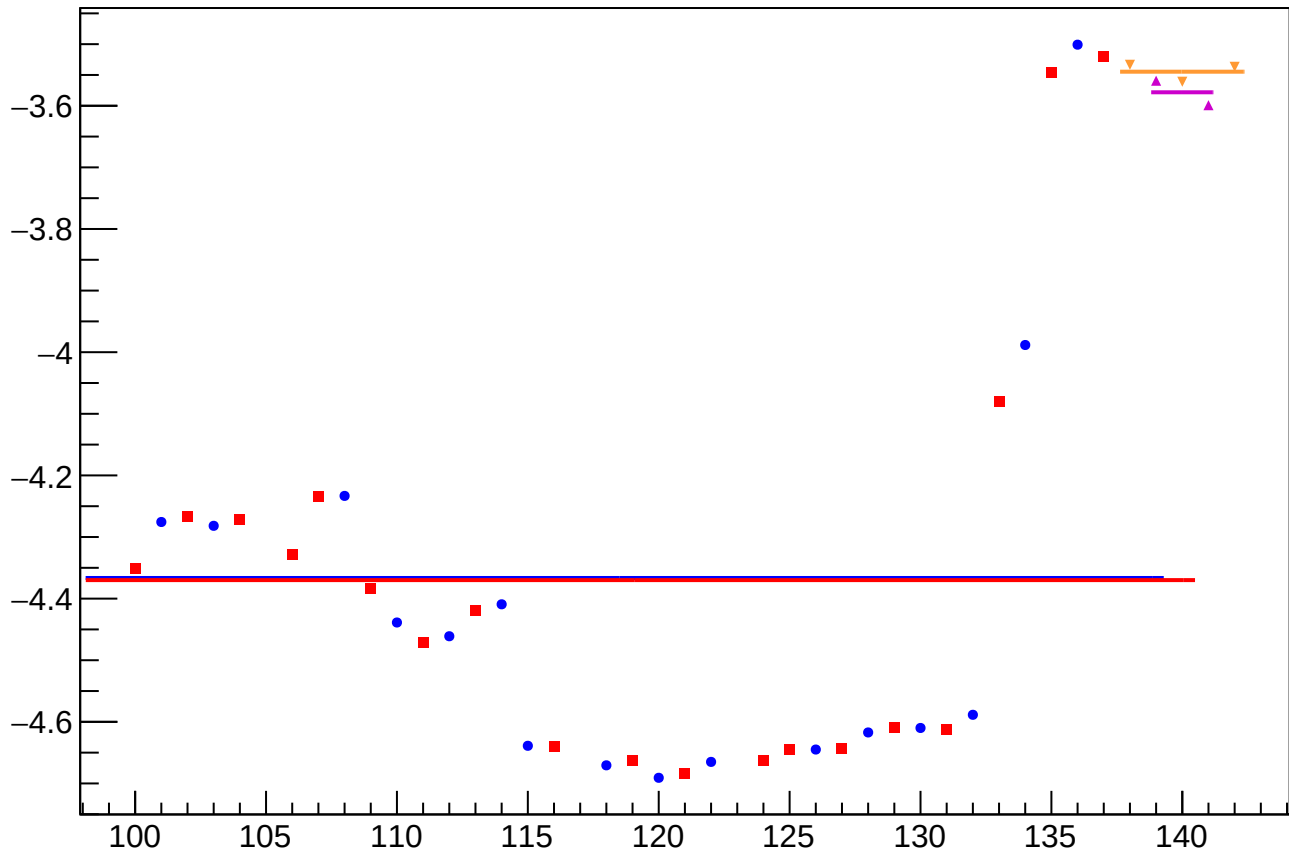
Left In: 0.001+/-0.000 χ^2/NDF :94.0/1

+ sign 0.001+/-0.000 χ^2/NDF : 49243.1/18

All: 0.001+/-0.000 χ^2/NDF : 85258.6/39

- sign 0.001+/-0.000 χ^2/NDF : 35445.3/20

yield_bpm2i01Y_mean vs Slug



Right In: -4.367+/-0.000 χ^2/NDF : 353013303743.6/15

Left Out: -3.545+/-0.000 χ^2/NDF : 110503188.0/2

Right Out: -4.370+/-0.000 χ^2/NDF : 296136368274.3/18

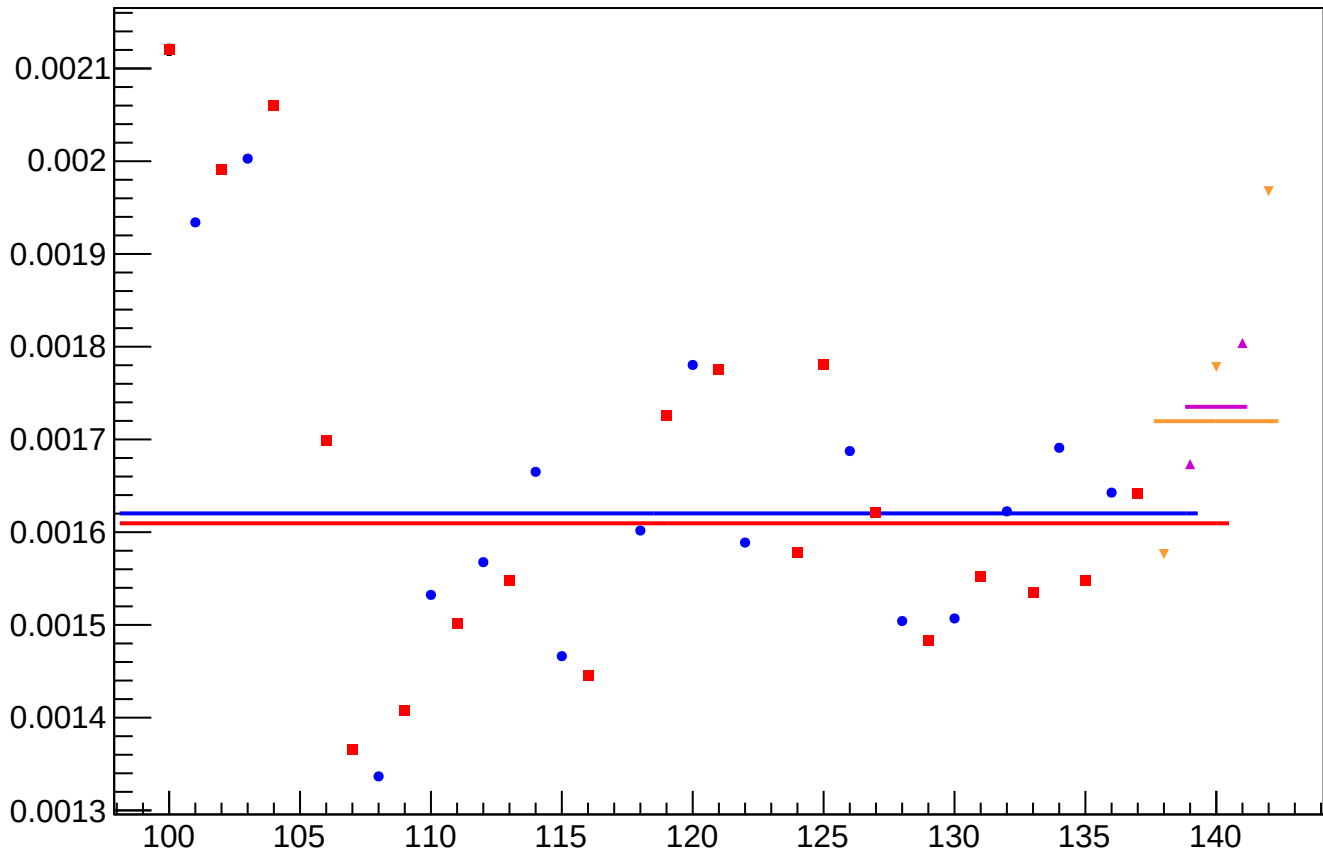
Left In: -3.578+/-0.000 χ^2/NDF : 216958793.5/1

+ sign -4.203+/-0.000 χ^2/NDF : 705694823718.1/18

All: -4.220+/-0.000 χ^2/NDF : 1291855884804

- sign -4.238+/-0.000 χ^2/NDF : 584149621234.8/20

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 :27020.8/2

Right Out: 0.002+/-0.000 χ^2/NDF : 184968.0/18

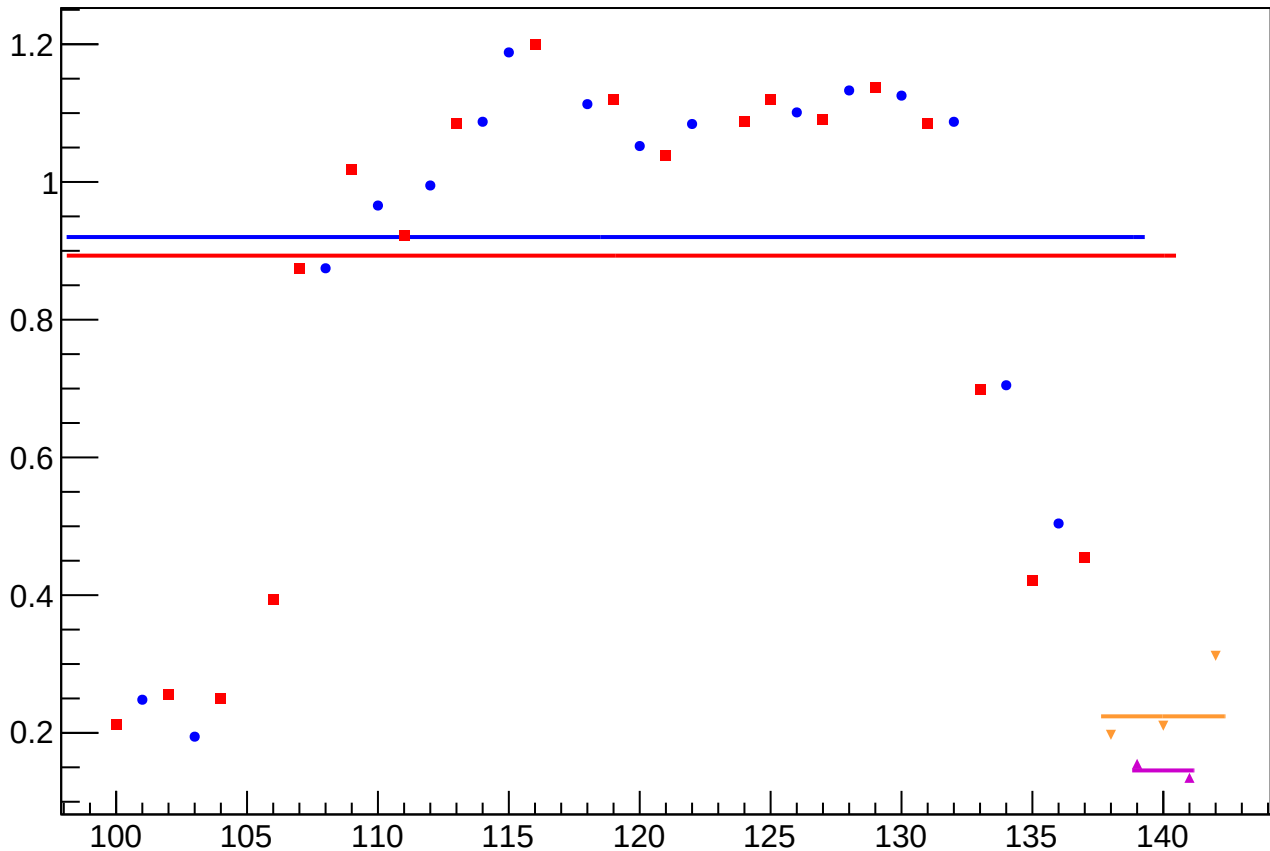
Left In: 0.002+/-0.000 χ^2/NDF :4689.7/1

+ sign 0.002+/-0.000 χ^2/NDF : 177565.8/18

All: 0.002+/-0.000 χ^2/NDF : 382006.0/39

- sign 0.002+/-0.000 χ^2/NDF : 204143.3/20

yield_bpm2i02X_mean vs Slug



Right In: 0.920 $\pm$ 0.000 χ^2/NDF : 14566431727.4/15

Left Out: 0.224 $\pm$ 0.000 χ^2/NDF : 52114413.1/2

+ sign 0.823 $\pm$ 0.000 χ^2/NDF : 26426636030.7/18

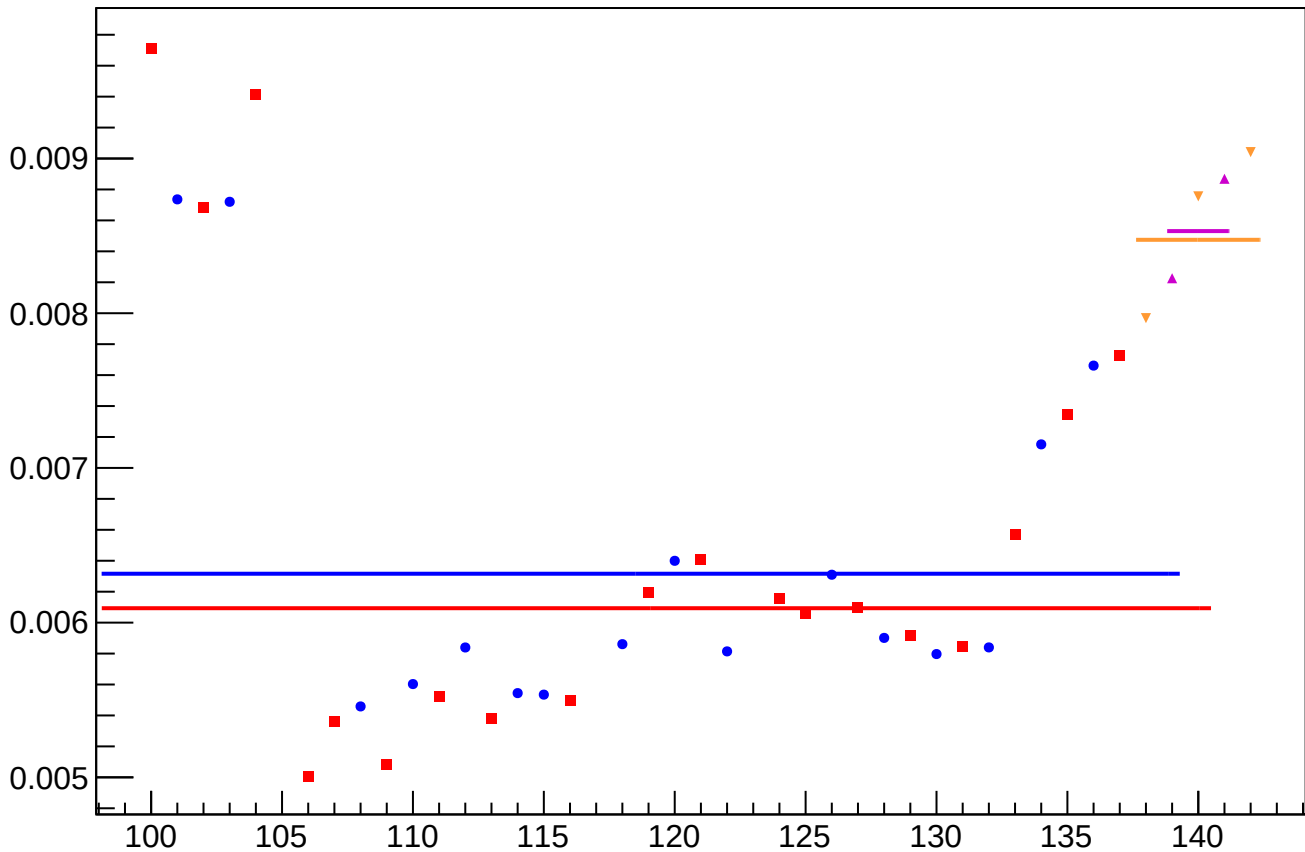
Right Out: 0.893 $\pm$ 0.000 χ^2/NDF : 17642154019.1/18

All: 0.818 $\pm$ 0.000 χ^2/NDF : 55875336429.6/3

- sign 0.812 $\pm$ 0.000 χ^2/NDF : 29435436124.0/20

Left In: 0.145 $\pm$ 0.000 χ^2/NDF : 2427884.8/1

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF :11339.6/2

Right Out: 0.006+/-0.000 χ^2/NDF : 435933.6/18

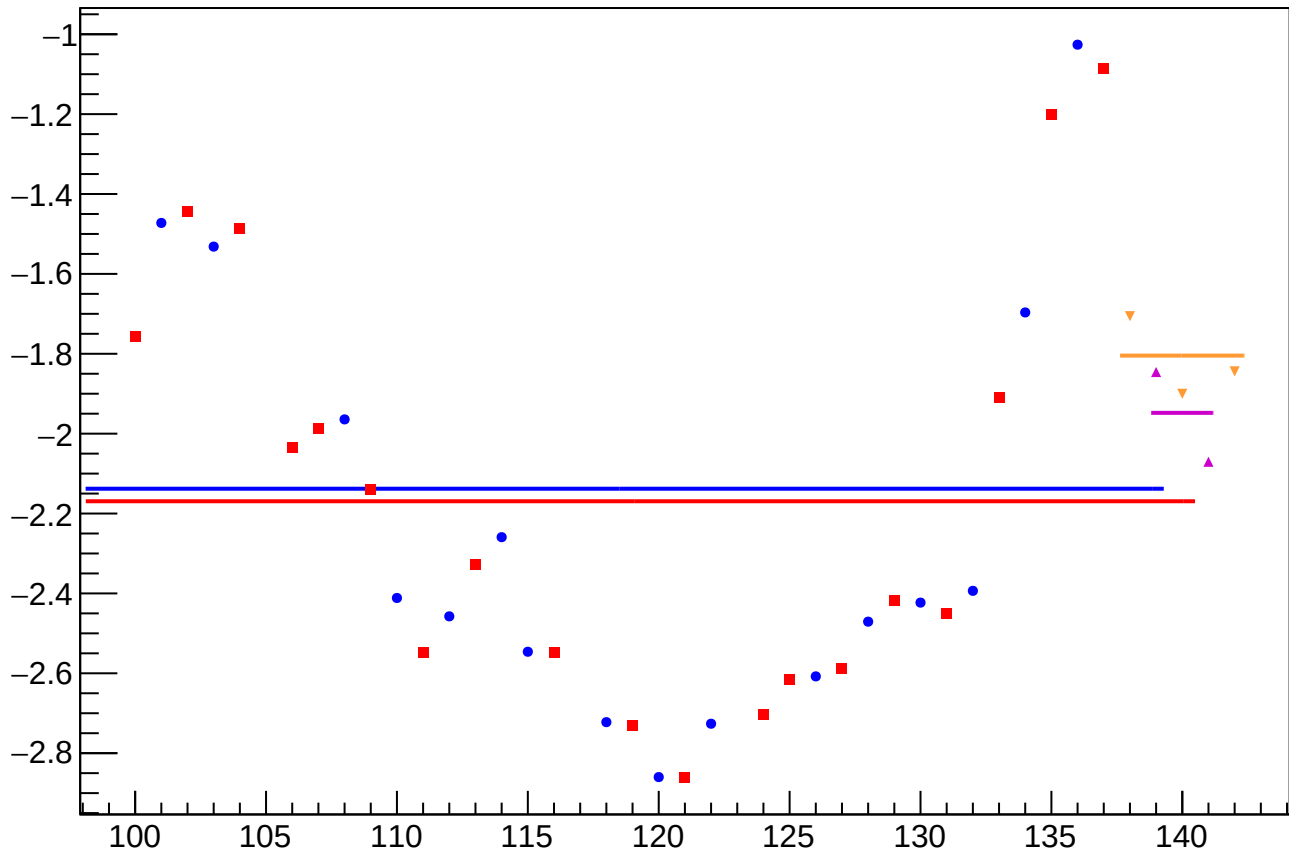
Left In: 0.009+/-0.000 χ^2/NDF :4877.1/1

+ sign 0.007+/-0.000 χ^2/NDF : 574186.7/18

All: 0.006+/-0.000 χ^2/NDF : 1279921.2/39

- sign 0.006+/-0.000 χ^2/NDF : 691562.6/20

yield_bpm2i02Y_mean vs Slug



Right In: -2.138+/-0.000 χ^2/NDF : 65666622158.4/15

Left Out: -1.805+/-0.000 χ^2/NDF : 293562123.0/2

Right Out: -2.169+/-0.000 χ^2/NDF : 57409196879.6/18

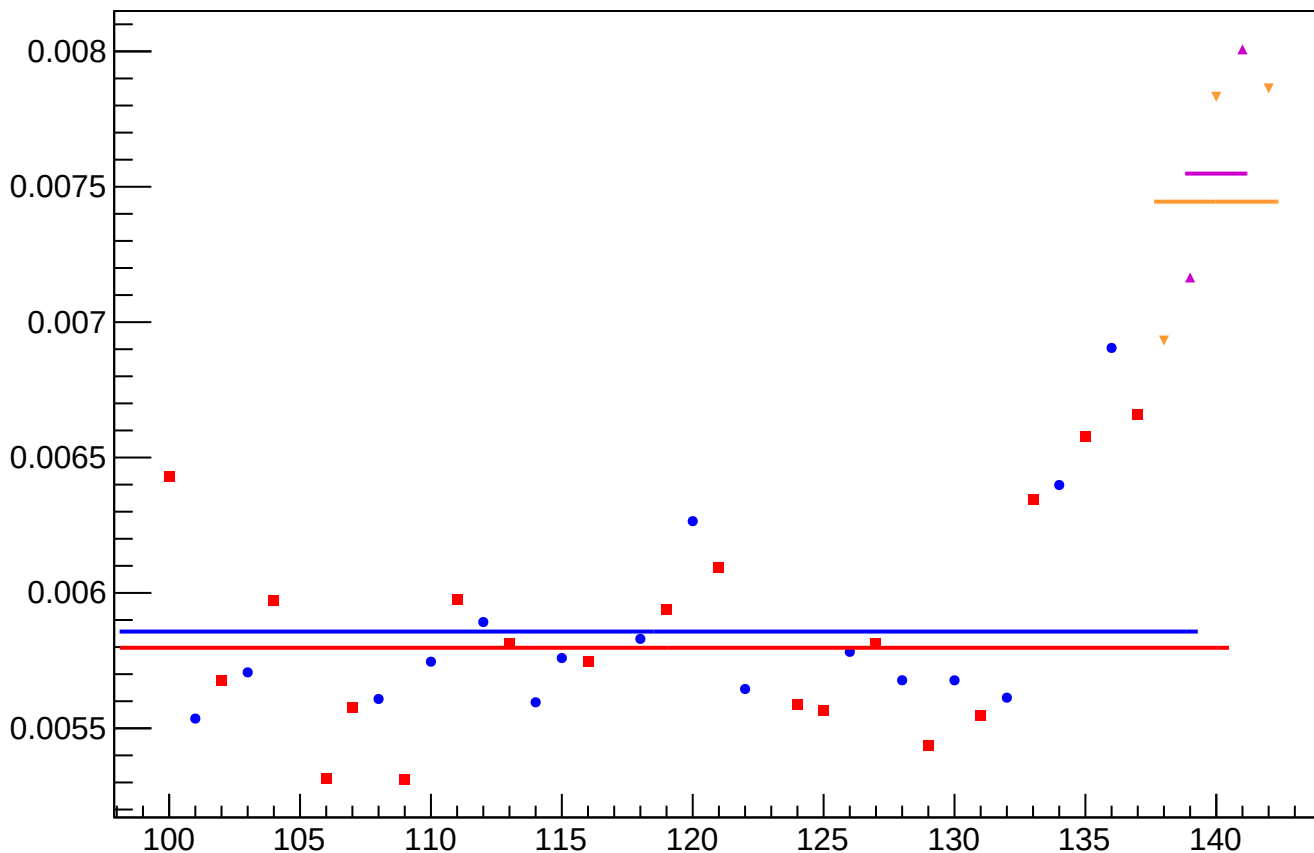
Left In: -1.948+/-0.000 χ^2/NDF : 377915028.2/1

+ sign -2.088+/-0.000 χ^2/NDF : 69451353195.6/18

All: -2.116+/-0.000 χ^2/NDF : 128915456043.4

- sign -2.143+/-0.000 χ^2/NDF : 59089387593.0/20

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF :15100.8/2

Right Out: 0.006+/-0.000 χ^2/NDF : 56374.2/18

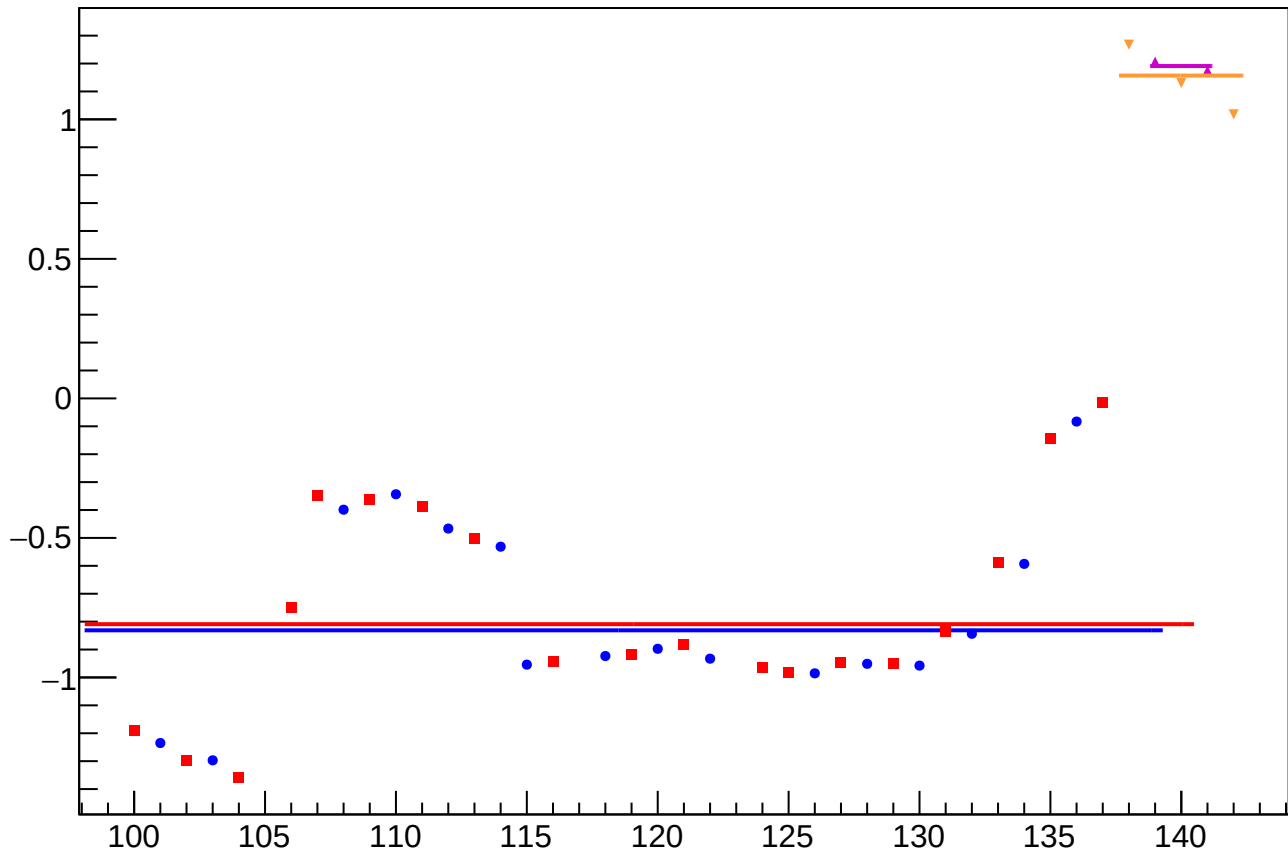
Left In: 0.008+/-0.000 χ^2/NDF :10629.9/1

+ sign 0.006+/-0.000 χ^2/NDF : 235459.7/18

All: 0.006+/-0.000 χ^2/NDF : 467446.9/39

- sign 0.006+/-0.000 χ^2/NDF : 230056.2/20

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 7112259663.3/15

Left Out: 1.157 ± 0.000 χ^2/NDF : 120046946.5/2

Right Out: -0.809 ± 0.000 χ^2/NDF : 8146337898.7/18

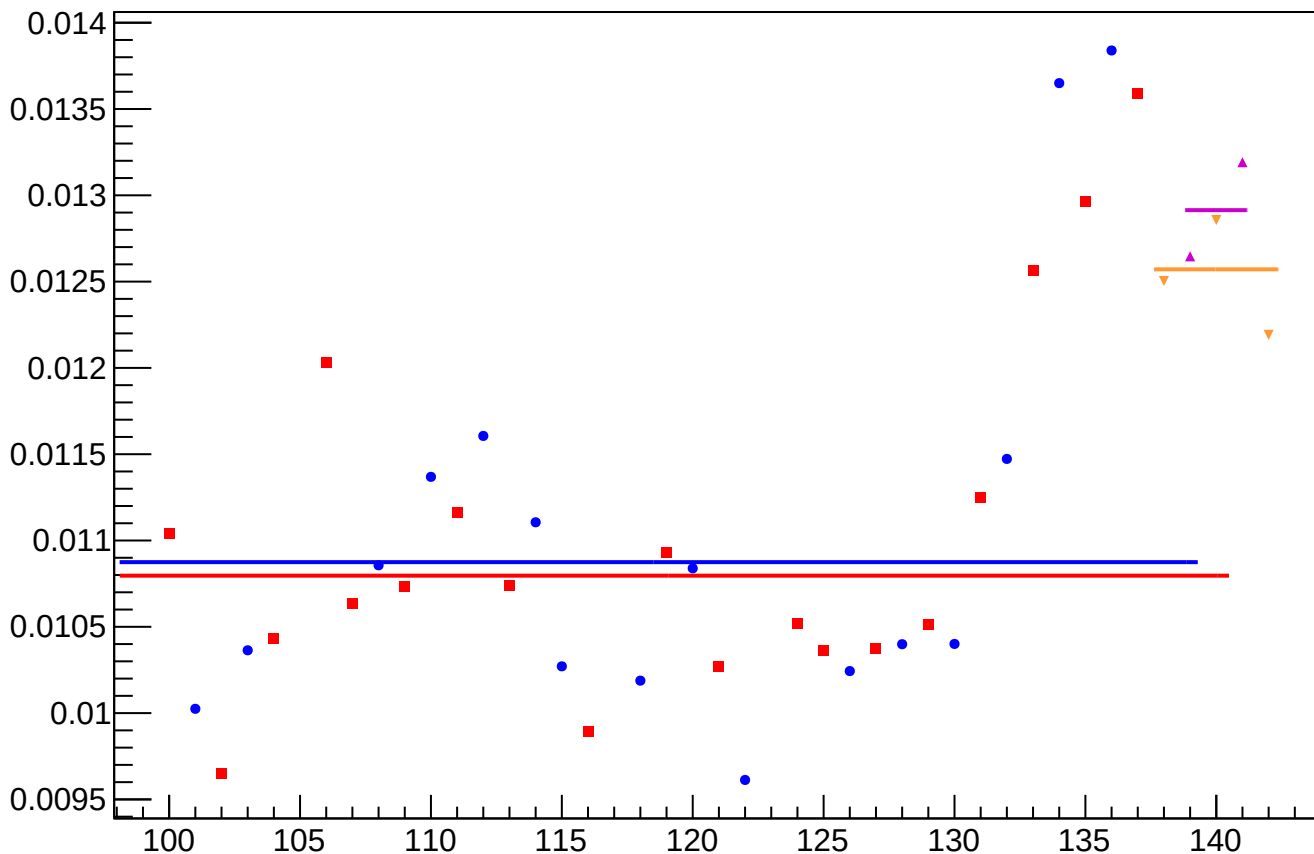
Left In: 1.191 ± 0.000 χ^2/NDF : 2582653.9/1

+ sign -0.478 ± 0.000 χ^2/NDF : 49046468536.3/18

All: -0.501 ± 0.000 χ^2/NDF : 92629738610.2

- sign -0.524 ± 0.000 χ^2/NDF : 43505252891.8/20

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 157612.7/15

Left Out: 0.013+/-0.000 χ^2/NDF : 1712.4/2

Right Out: 0.011+/-0.000 χ^2/NDF : 99122.1/18

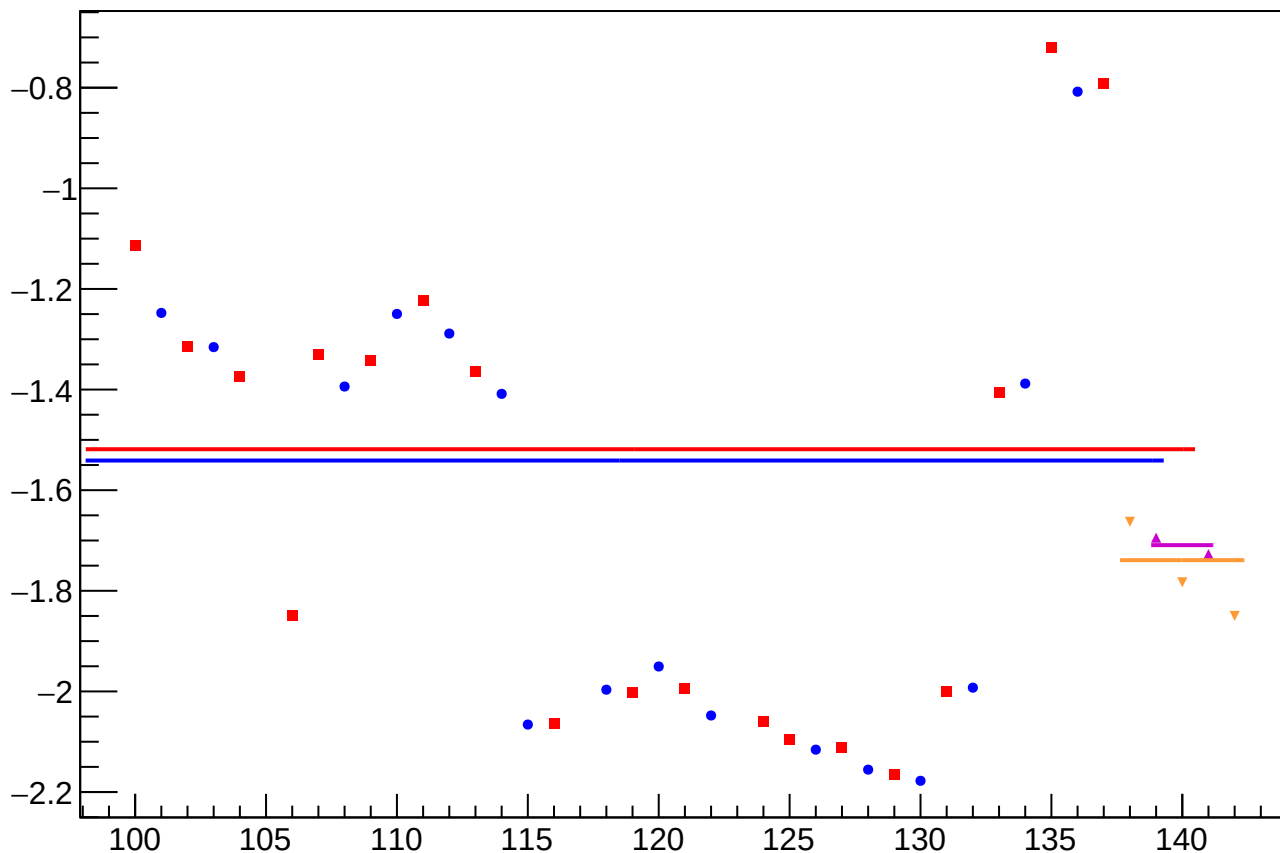
Left In: 0.013+/-0.000 χ^2/NDF : 1531.0/1

+ sign 0.011+/-0.000 χ^2/NDF : 220226.6/18

All: 0.011+/-0.000 χ^2/NDF : 400583.8/39

- sign 0.011+/-0.000 χ^2/NDF : 179915.1/20

yield_bpm0i01Y_mean vs Slug



Right In: -1.541+/-0.000 χ^2/NDF : 162409397922.2/15

Left Out: -1.739+/-0.000 χ^2/NDF : 1287403620.1/2

Right Out: -1.519+/-0.000 χ^2/NDF : 145077318641.2/18

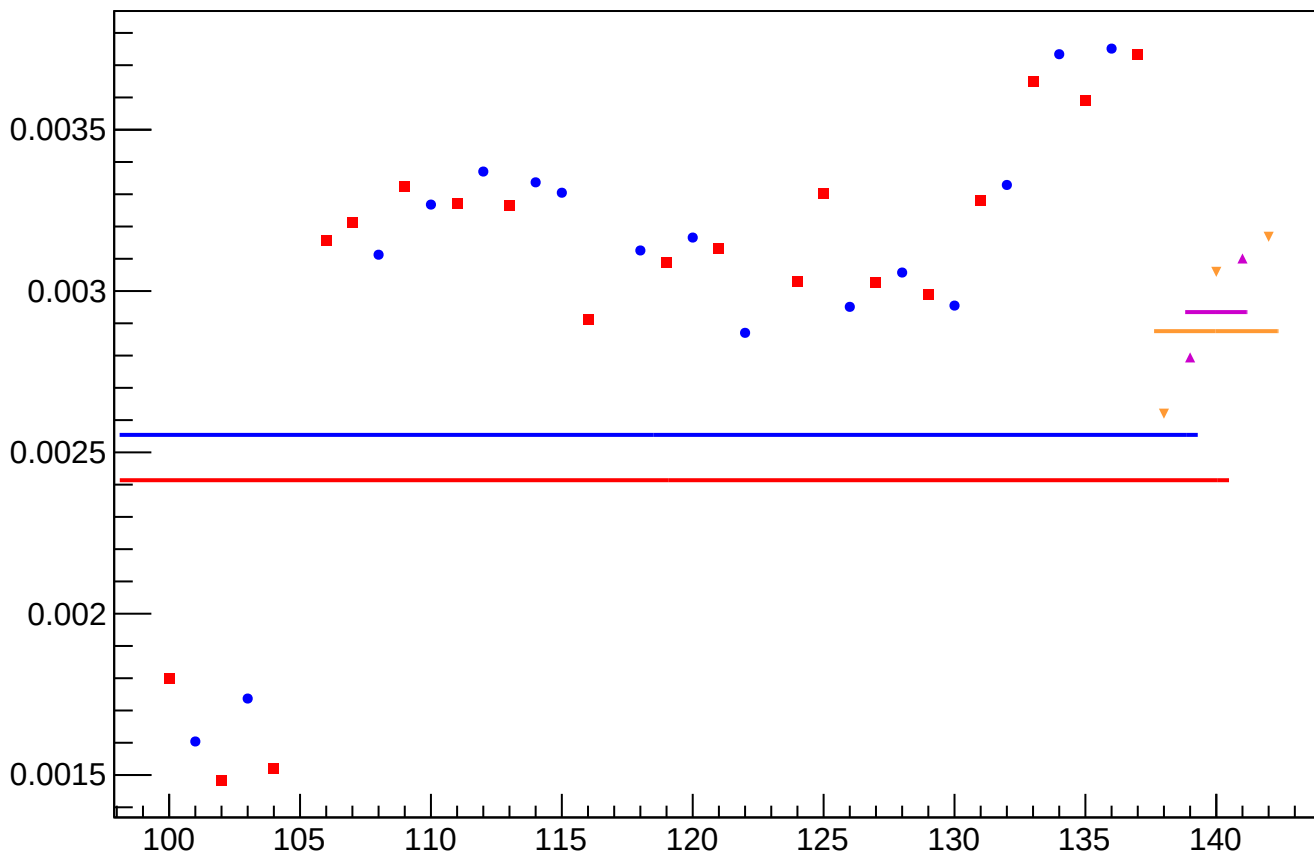
Left In: -1.709+/-0.000 χ^2/NDF : 50014259.1/1

+ sign -1.581+/-0.000 χ^2/NDF : 171053555516.6/18

All: -1.565+/-0.000 χ^2/NDF : 322632410664.9

- sign -1.549+/-0.000 χ^2/NDF : 150955553704.6/20

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF : 26842.5/2

Right Out: 0.002+/-0.000 χ^2/NDF : 1546830.8/18

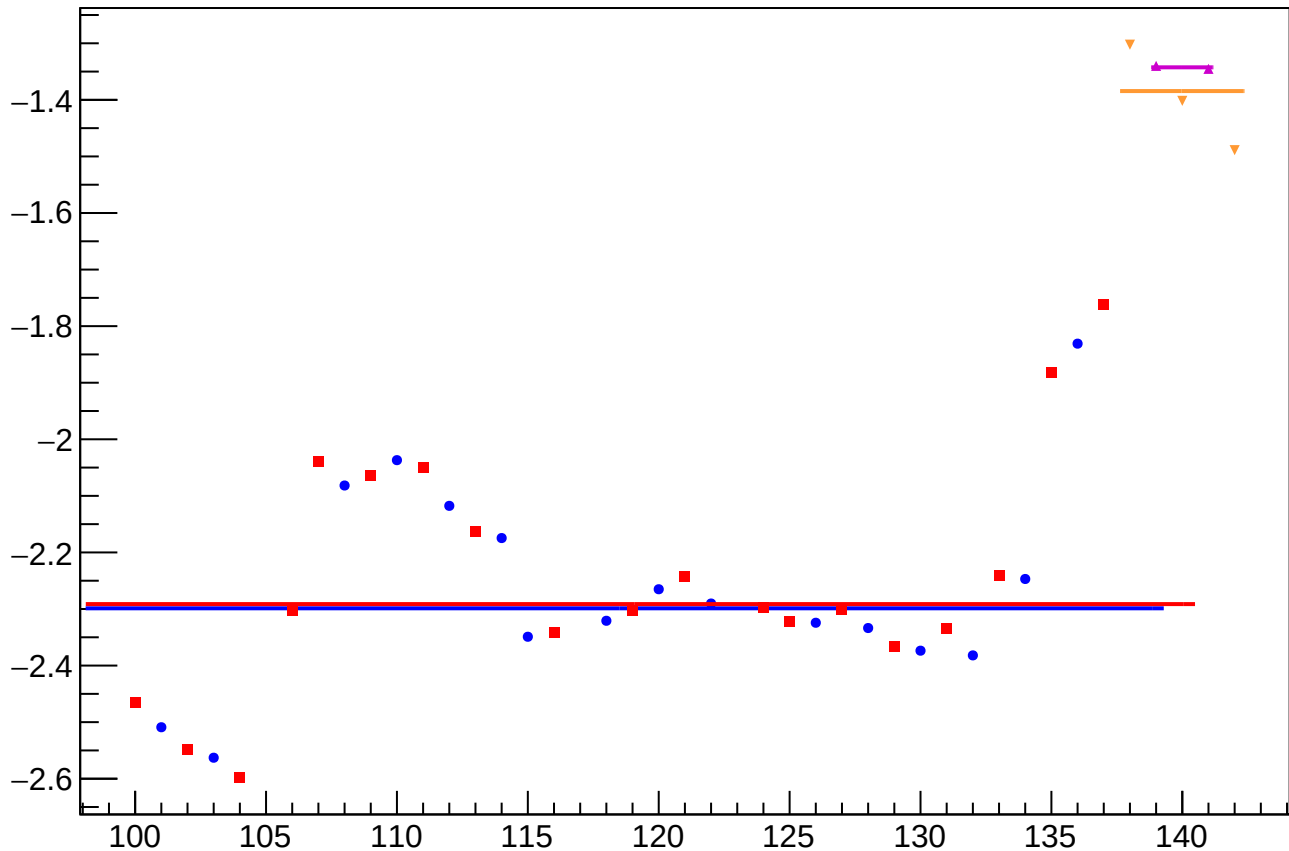
Left In: 0.003+/-0.000 χ^2/NDF : 8879.9/1

+ sign 0.003+/-0.000 χ^2/NDF : 1238052.3/18

All: 0.003+/-0.000 χ^2/NDF : 2898817.5/39

- sign 0.002+/-0.000 χ^2/NDF : 1642750.8/20

yield_bpm0i01aX_mean vs Slug



Right In: -2.299+/-0.000 χ^2/NDF : 6129071089.8/15

Left Out: -1.384+/-0.000 χ^2/NDF : 137092025.7/2

Right Out: -2.291+/-0.000 χ^2/NDF : 6831007568.9/18

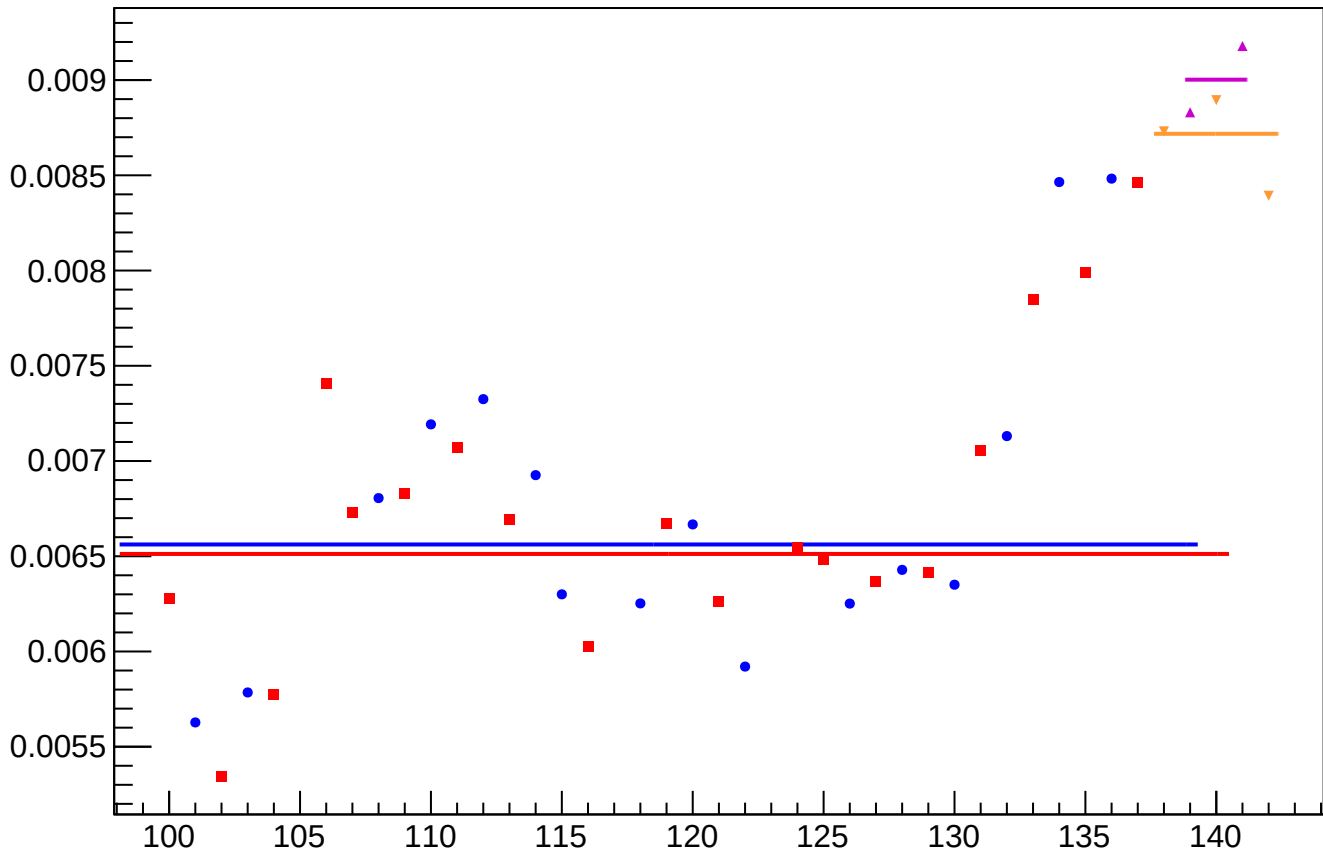
Left In: -1.342+/-0.000 χ^2/NDF : 145810.5/1

+ sign -2.169+/-0.000 χ^2/NDF : 25376674056.8/18

All: -2.177+/-0.000 χ^2/NDF : 49118918659.1/20

- sign -2.185+/-0.000 χ^2/NDF : 23717349954.3/20

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 221890.3/15

Left Out: 0.009+/-0.000 χ^2/NDF :1954.0/2

Right Out: 0.007+/-0.000 χ^2/NDF : 184961.7/18

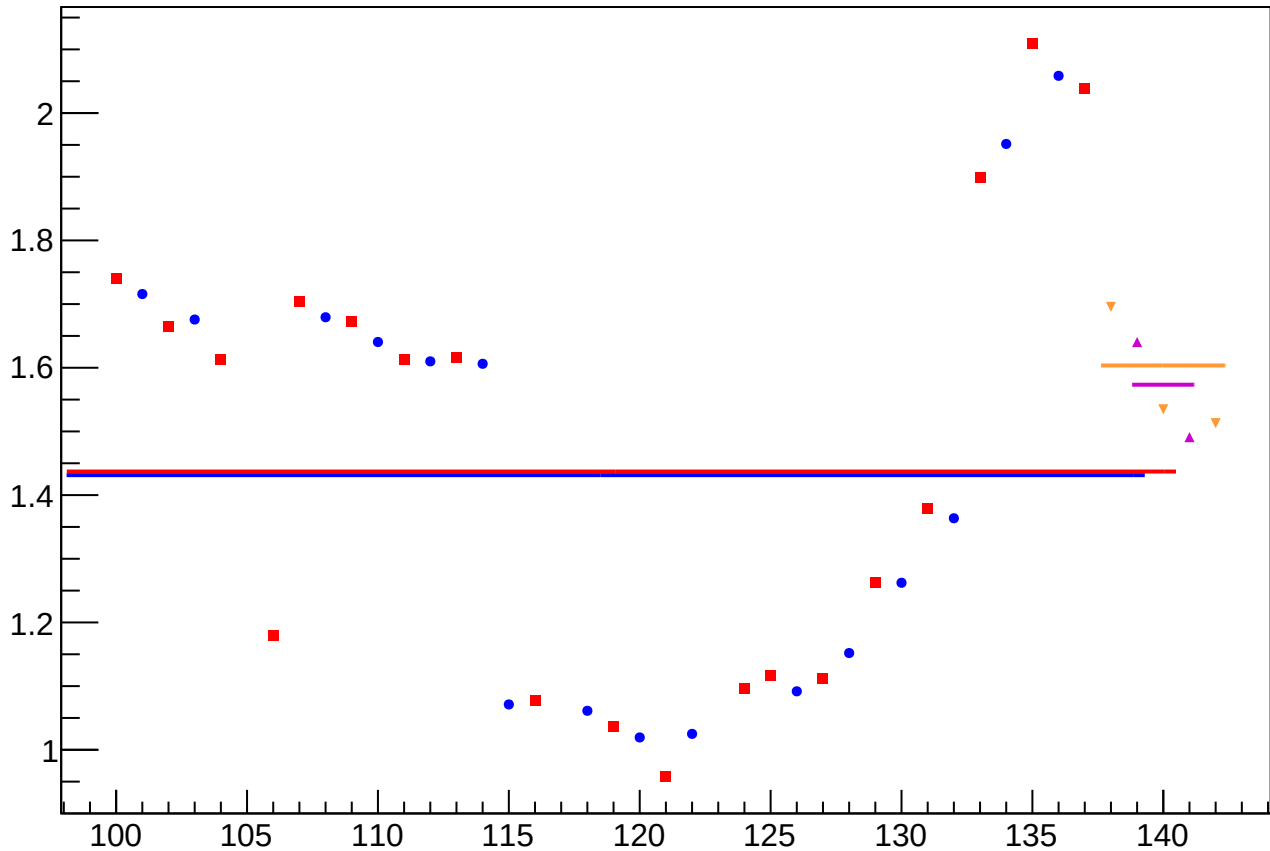
Left In: 0.009+/-0.000 χ^2/NDF :1279.9/1

+ sign 0.007+/-0.000 χ^2/NDF : 436386.2/18

All: 0.007+/-0.000 χ^2/NDF : 856346.7/39

- sign 0.007+/-0.000 χ^2/NDF : 418833.8/20

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF : 189180734956.1/15

Left Out: 1.604+/-0.000 χ^2/NDF : 625330617.3/2

Right Out: 1.437+/-0.000 χ^2/NDF : 182019221175.5/18

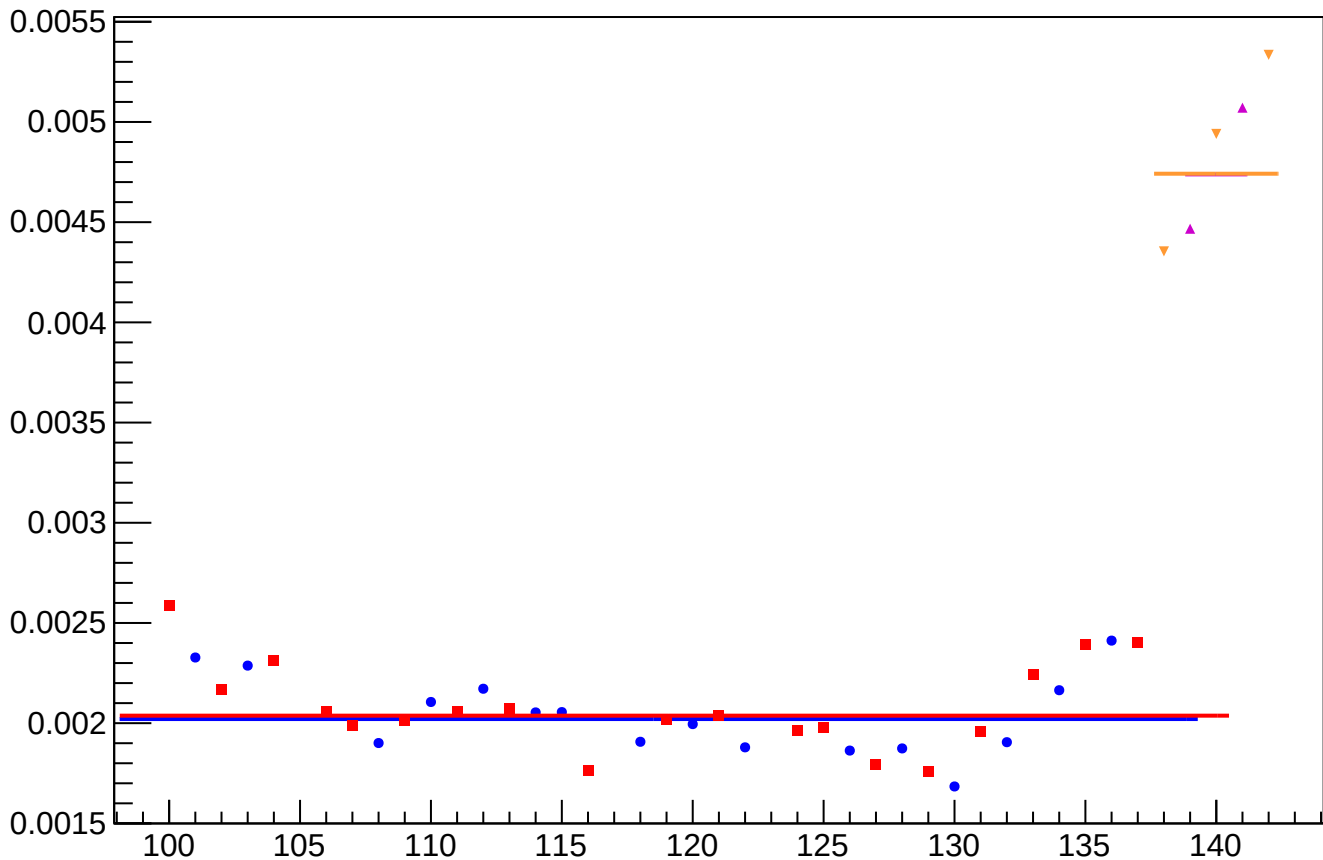
Left In: 1.573+/-0.000 χ^2/NDF : 416294982.4/1

+ sign 1.440+/-0.000 χ^2/NDF : 192319315287.2/18

All: 1.442+/-0.000 χ^2/NDF : 376101344329.8

- sign 1.443+/-0.000 χ^2/NDF : 183775677520.3/20

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 154923.3/15

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:25231.3/2

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 113640.4/18

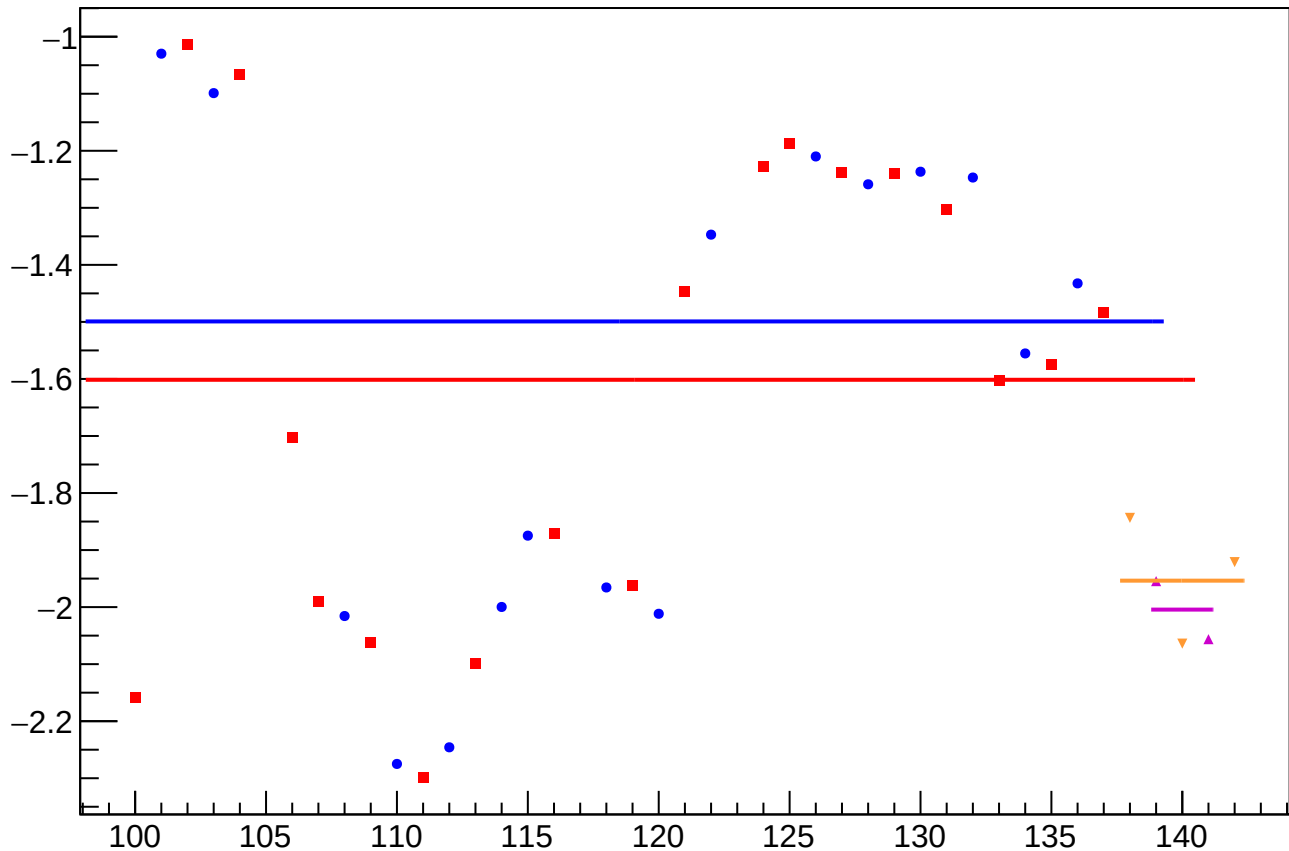
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:13615.4/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1434853.0/18

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 2614106.4/39

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1179200.4/20

yield_bpm0l01X_mean vs Slug



Right In: -1.499+/-0.000 χ^2/NDF : 22930357522.2/15

Left Out: -1.954+/-0.000 χ^2/NDF : 650075298.7/2

Right Out: -1.601+/-0.000 χ^2/NDF : 28324914147.6/18

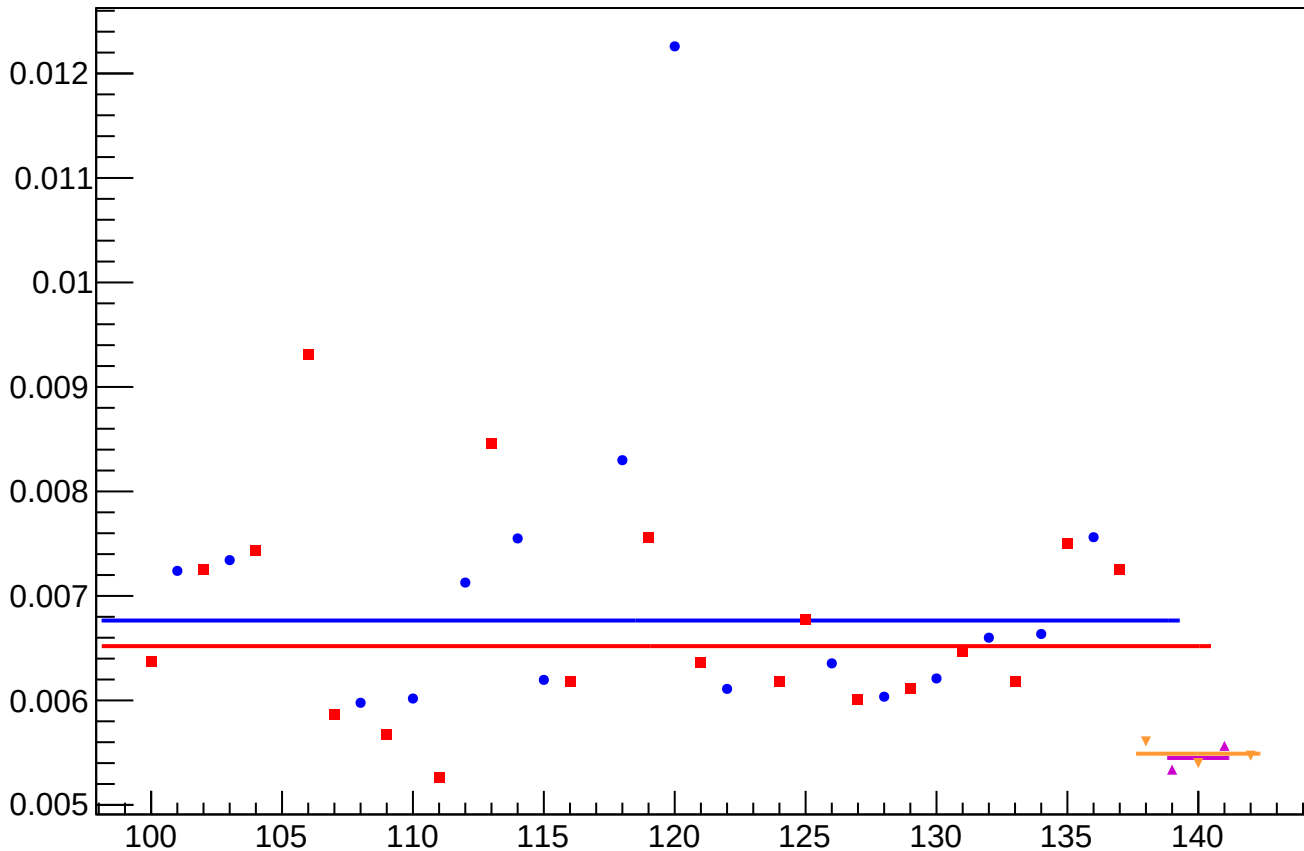
Left In: -2.004+/-0.000 χ^2/NDF : 146416551.4/1

+ sign -1.644+/-0.000 χ^2/NDF : 32918551057.5/18

All: -1.676+/-0.000 χ^2/NDF : 68606790448.2/20

- sign -1.706+/-0.000 χ^2/NDF : 35283881148.8/20

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 238566.1/15

Left Out: 0.005+/-0.000 χ^2/NDF :1133.8/2

Right Out: 0.007+/-0.000 χ^2/NDF : 245428.1/18

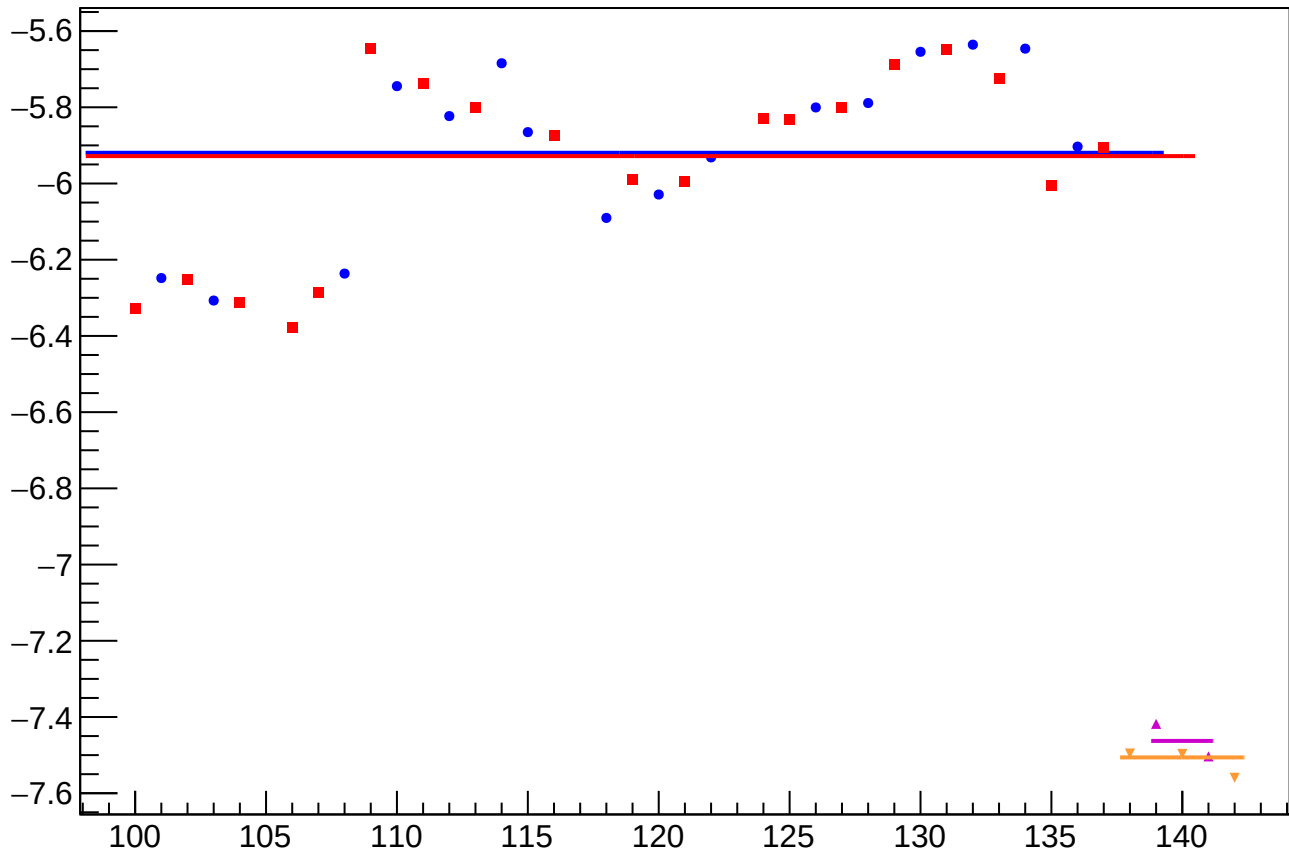
Left In: 0.005+/-0.000 χ^2/NDF :1462.6/1

+ sign 0.006+/-0.000 χ^2/NDF : 386584.8/18

All: 0.006+/-0.000 χ^2/NDF : 732435.8/39

- sign 0.006+/-0.000 χ^2/NDF : 343004.8/20

yield_bpm0l01Y_mean vs Slug



Right In: -5.919 $\pm$ 0.000 χ^2 /NDF: 11742457053.3/15

Left Out: -7.506 $\pm$ 0.000 χ^2 /NDF: 8436732.5/2

Right Out: -5.928 $\pm$ 0.000 χ^2 /NDF: 12641528579.2/18

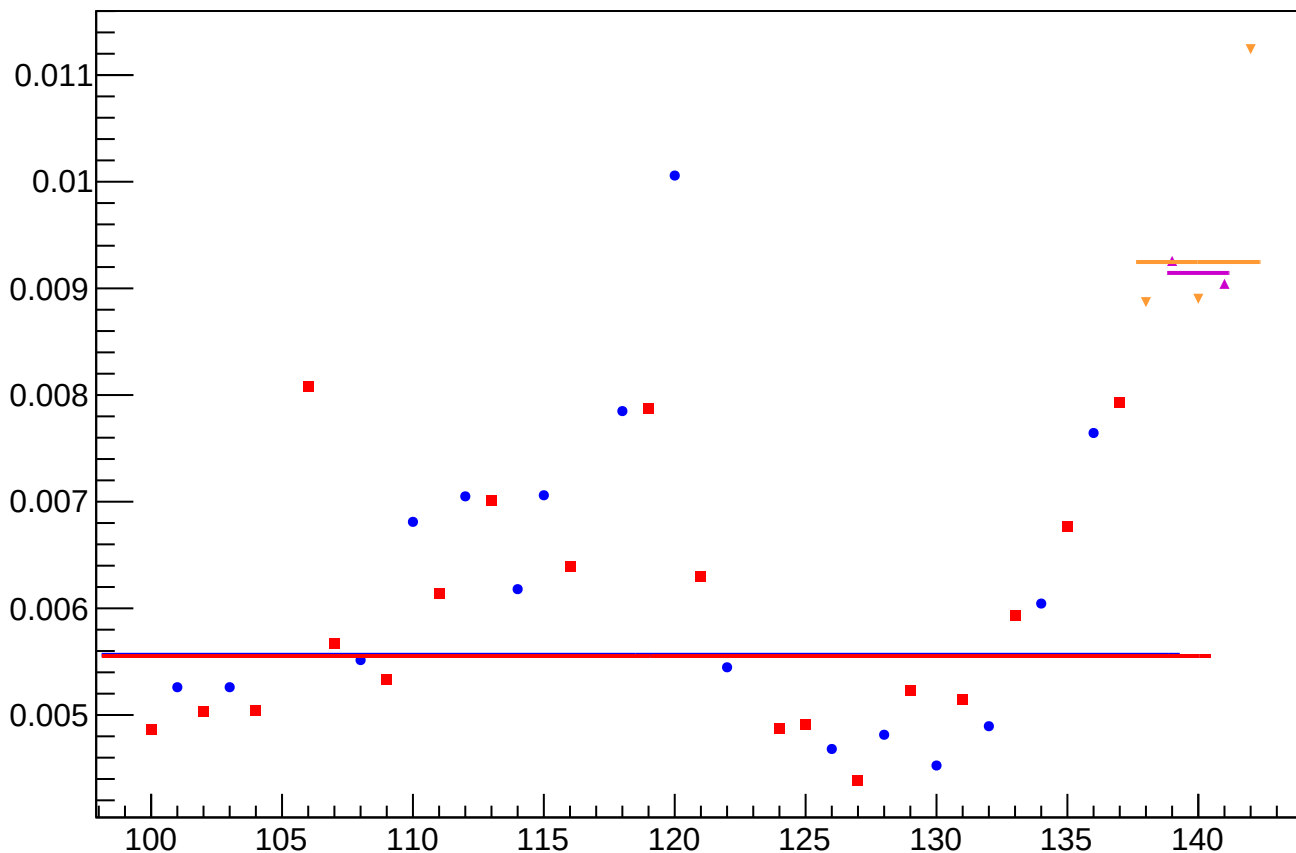
Left In: -7.463 $\pm$ 0.000 χ^2 /NDF: 25648567.3/1

+ sign -6.040 $\pm$ 0.000 χ^2 /NDF: 49723866770.8/18

All: -6.032 $\pm$ 0.000 χ^2 /NDF: 93548817578.6/1

- sign -6.024 $\pm$ 0.000 χ^2 /NDF: 43797670661.6/20

yield_bpm0l01Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 495546.3/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:23494.6/2

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 364541.1/18

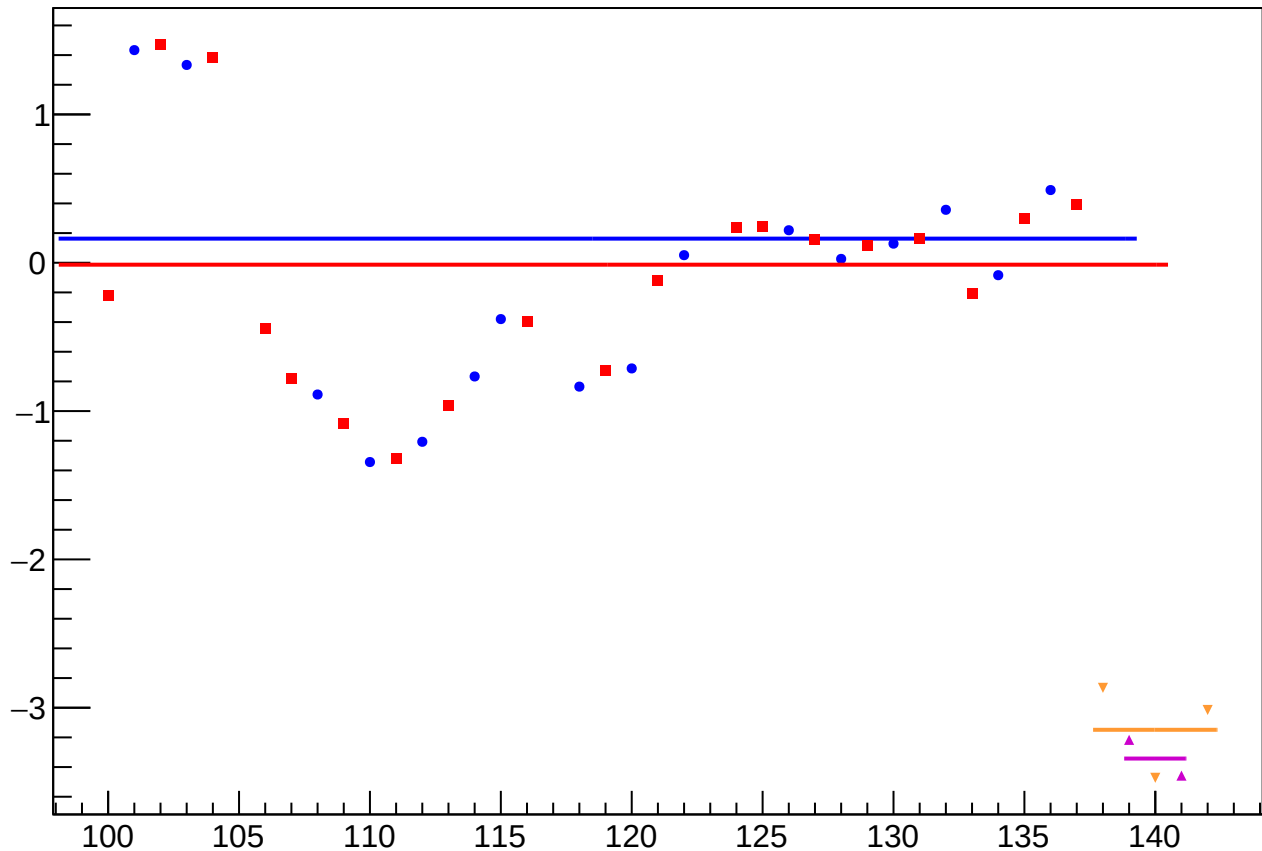
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:324.0/1

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 928208.6/18

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1635072.2/39

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 705904.2/20

yield_bpm0l02X_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF : 17940034444.3/15

Left Out: -3.149+/-0.000 χ^2/NDF : 467556495.8/2

Right Out: -0.013+/-0.000 χ^2/NDF : 22484002798.8/18

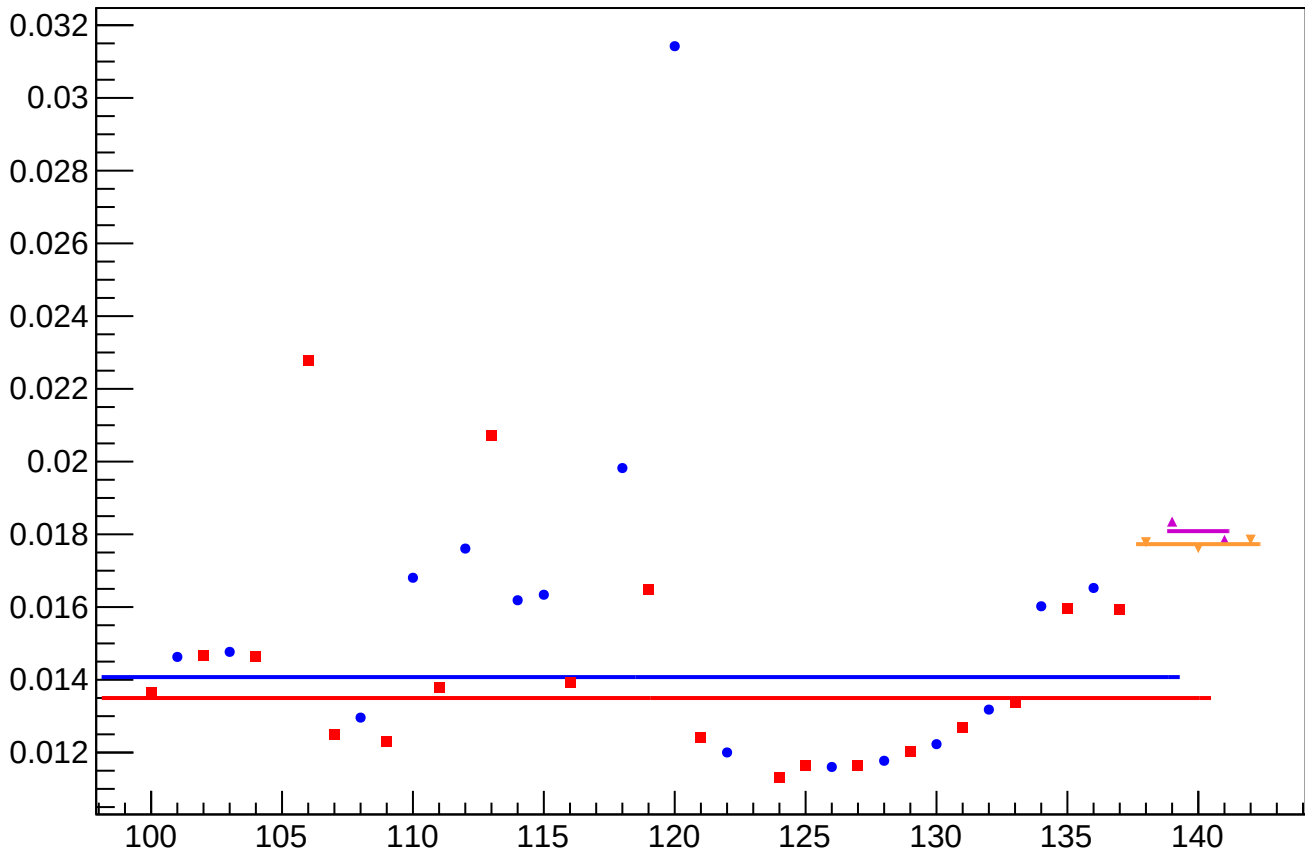
Left In: -3.343+/-0.000 χ^2/NDF : 72964449.6/1

+ sign -0.369+/-0.000 χ^2/NDF : 74449082508.5/18

All: -0.390+/-0.000 χ^2/NDF : 146155105419.7

- sign -0.410+/-0.000 χ^2/NDF : 71672762901.2/20

yield_bpm0l02X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 465421.6/15

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:113.2/2

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 314810.3/18

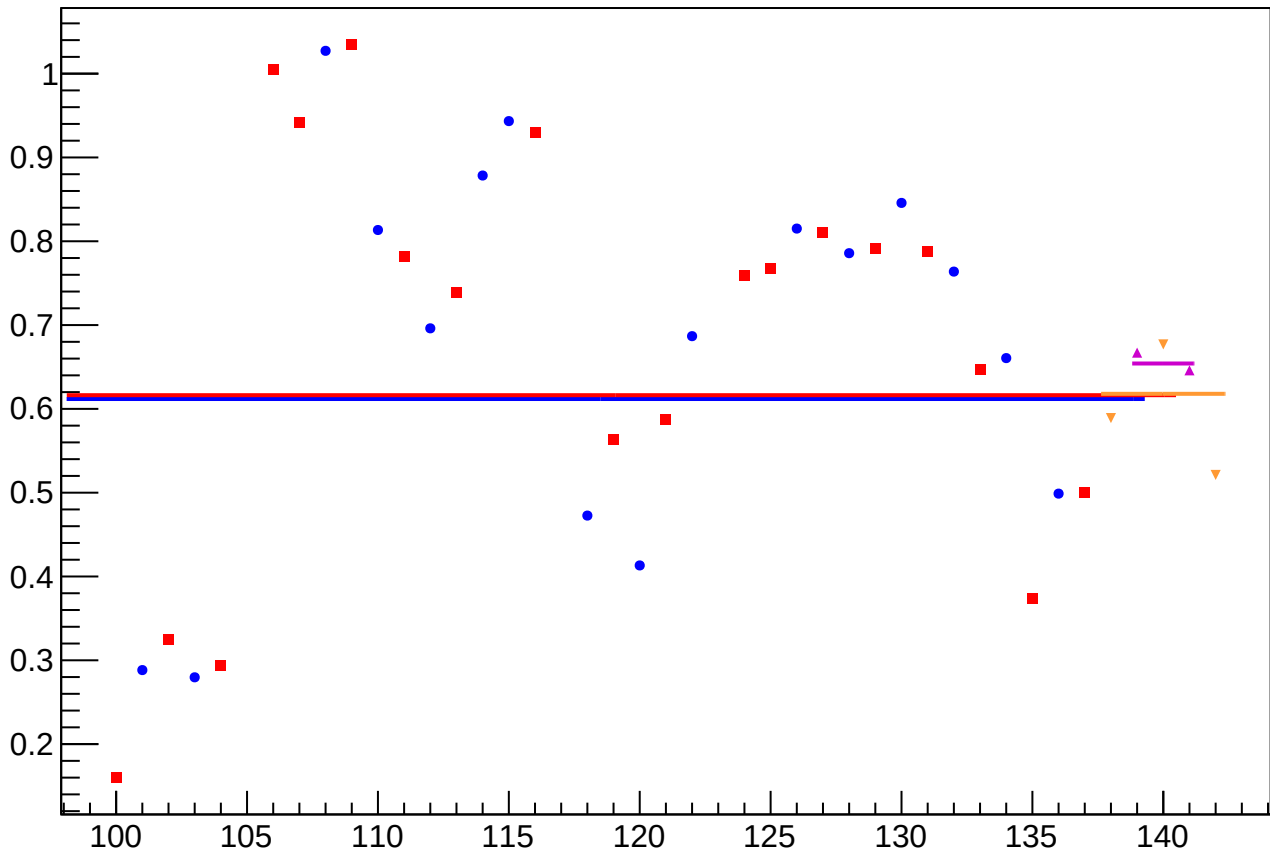
Left In: 0.018 $\pm$ 0.000 χ^2 /NDF:634.0/1

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 602129.4/18

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 1119316.8/39

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 502035.3/20

yield_bpm0l02Y_mean vs Slug



Right In: 0.612 $\pm$ 0.000 χ^2 /NDF: 5639014502.0/15

Left Out: 0.618 $\pm$ 0.000 χ^2 /NDF: 90041790.7/2

Right Out: 0.616 $\pm$ 0.000 χ^2 /NDF: 6419512040.7/18

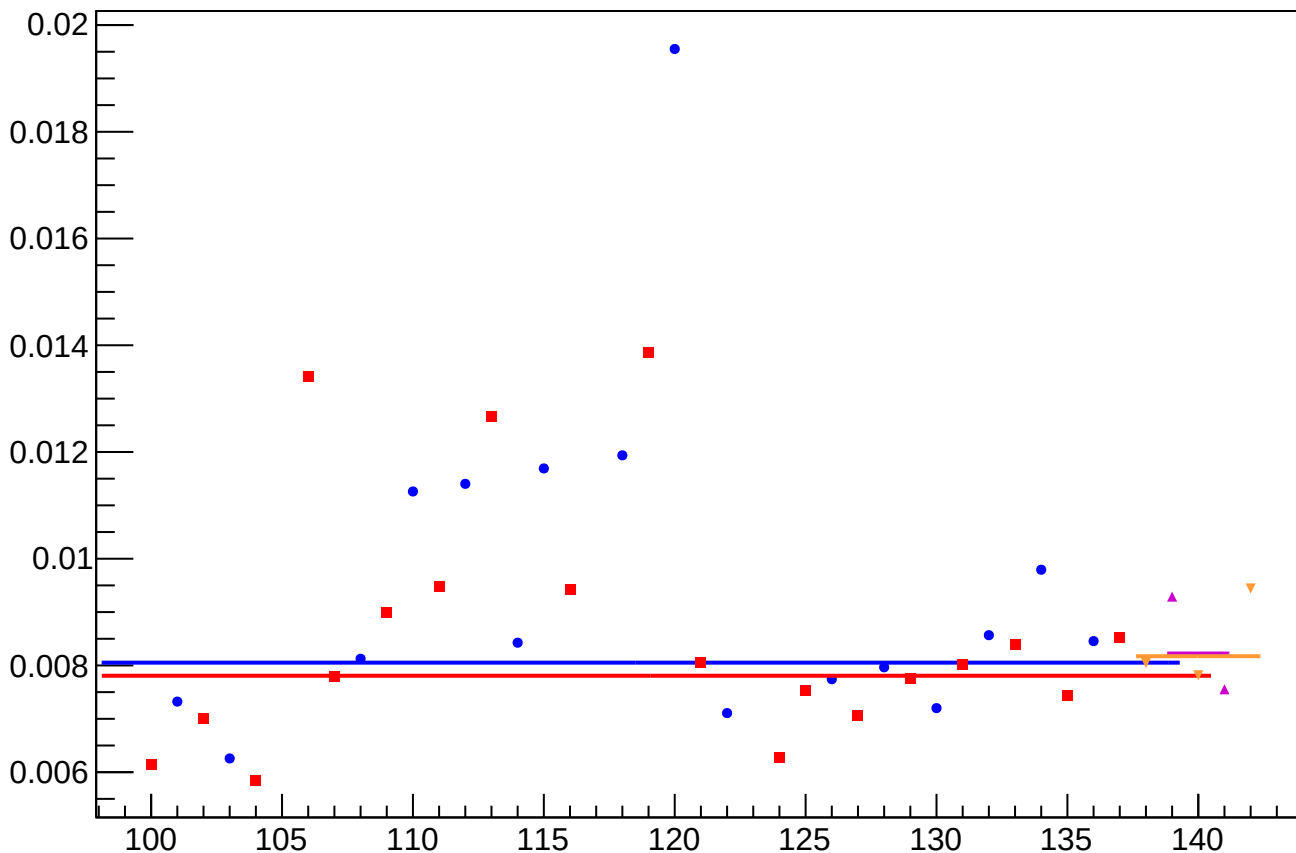
Left In: 0.654 $\pm$ 0.000 χ^2 /NDF: 2335156.2/1

+ sign 0.613 $\pm$ 0.000 χ^2 /NDF: 5729838816.4/18

All: 0.618 $\pm$ 0.000 χ^2 /NDF: 12183767233.3/3

- sign 0.623 $\pm$ 0.000 χ^2 /NDF: 6447984917.3/20

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 598309.5/15

Left Out: 0.008 ± 0.000 χ^2/NDF : 17279.2/2

Right Out: 0.008 ± 0.000 χ^2/NDF : 587157.2/18

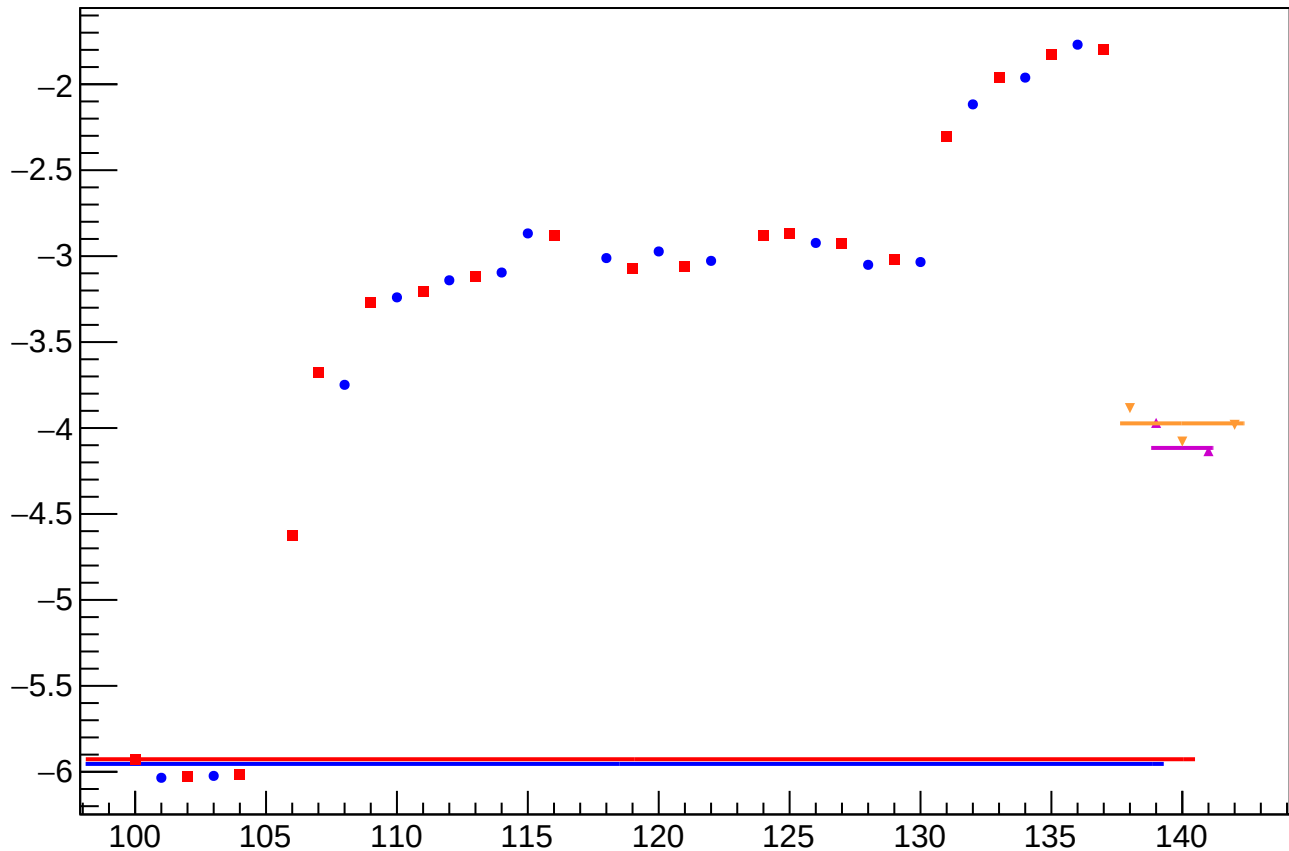
Left In: 0.008 ± 0.000 χ^2/NDF : 31625.3/1

+ sign 0.008 ± 0.000 χ^2/NDF : 616178.9/18

All: 0.008 ± 0.000 χ^2/NDF : 1246212.0/39

- sign 0.008 ± 0.000 χ^2/NDF : 625122.3/20

yield_bpm0l03X_mean vs Slug



Right In: -5.954+/-0.000 χ^2/NDF : 13099475661.5/15

Left Out: -3.973+/-0.000 χ^2/NDF : 2023012.2/2

Right Out: -5.927+/-0.000 χ^2/NDF : 13922819741.5/18

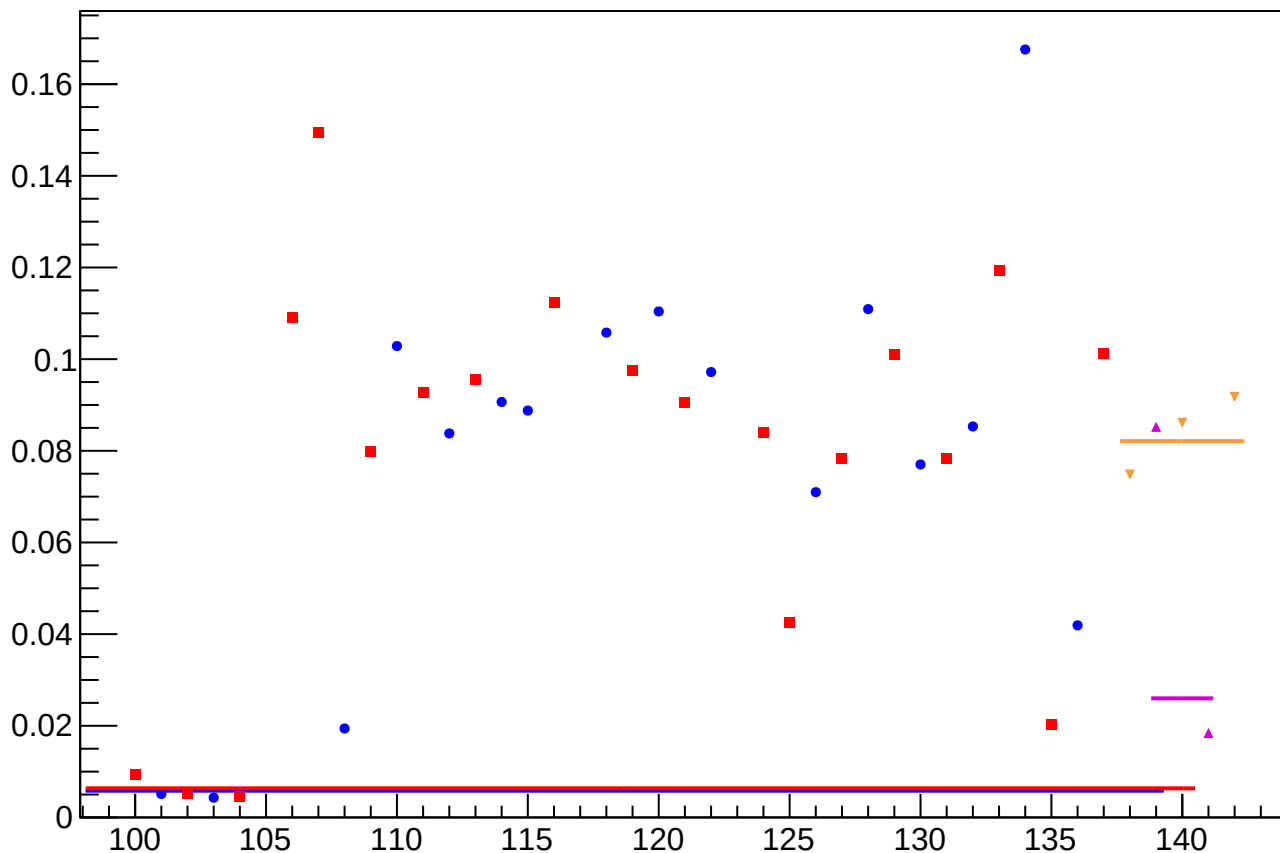
Left In: -4.116+/-0.000 χ^2/NDF : 2078769.5/1

+ sign -5.944+/-0.000 χ^2/NDF : 14140676067.6/18

All: -5.922+/-0.000 χ^2/NDF : 30596864295.8

- sign -5.895+/-0.000 χ^2/NDF : 16399082311.0/20

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8700553.3/15

Left Out: 0.082 $\pm$ 0.000 χ^2 /NDF:25082.6/2

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8751831.3/18

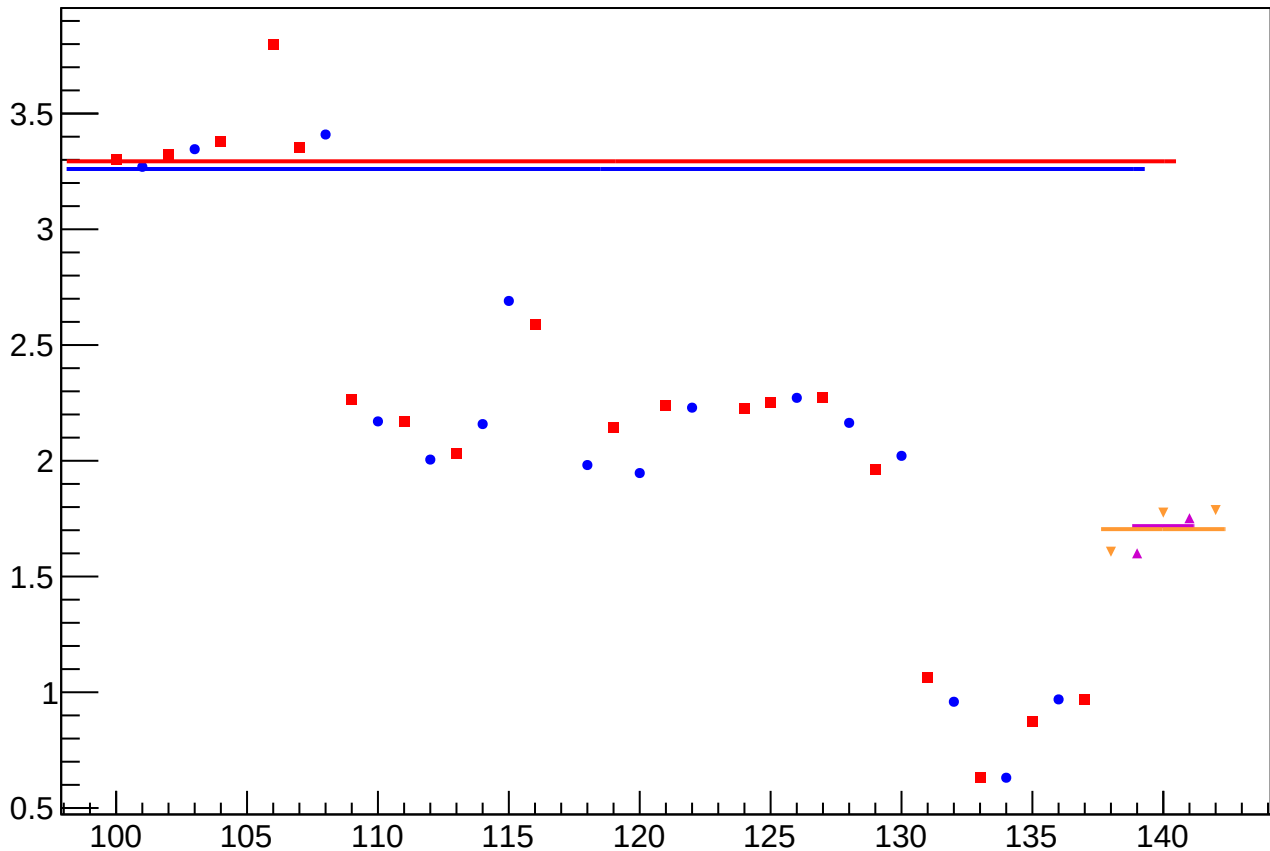
Left In: 0.026 $\pm$ 0.000 χ^2 /NDF:687197.3/1

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 11805270.4/18

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 21835844.1/39

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 10020666.6/20

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF : 3009624113.9/15

Left Out: 1.705+/-0.000 χ^2/NDF : 1632725.7/2

Right Out: 3.294+/-0.000 χ^2/NDF : 3243748149.8/18

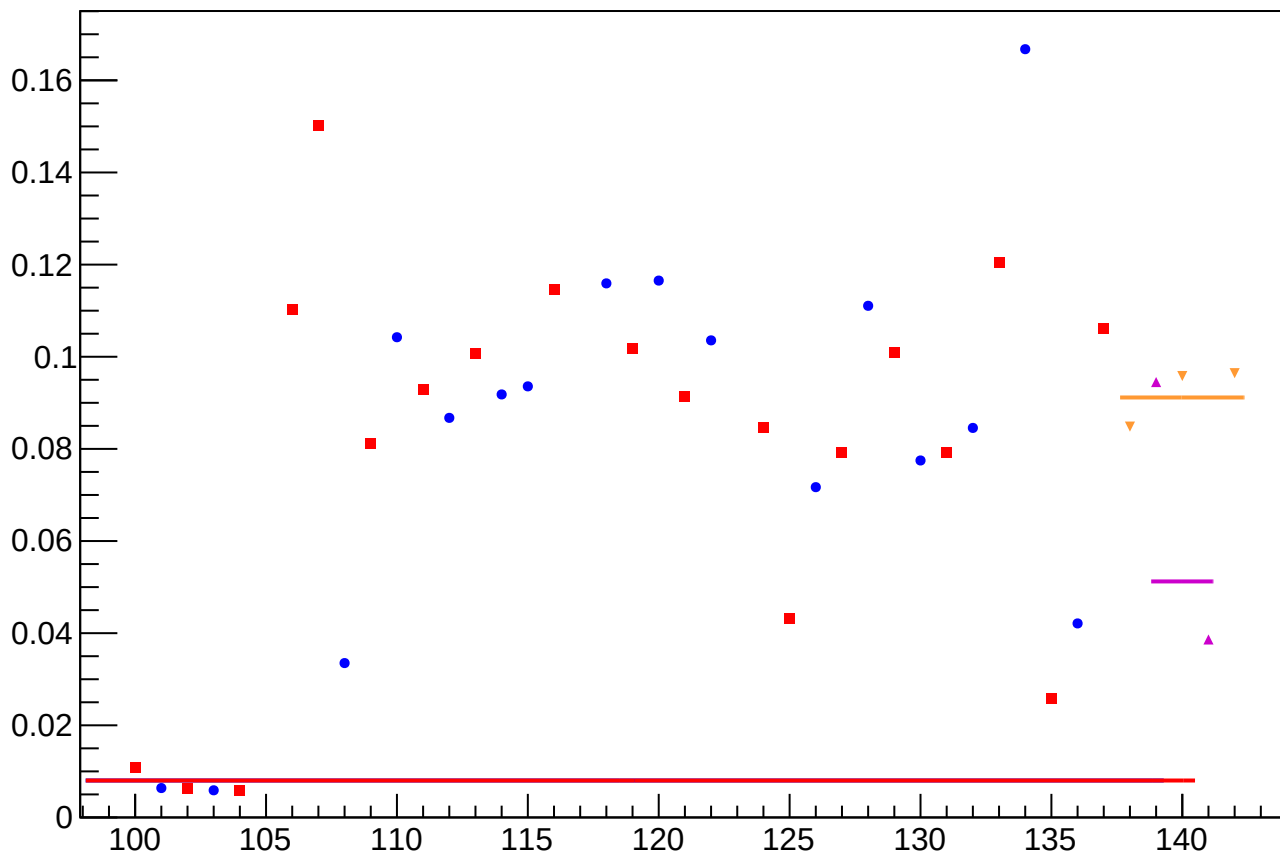
Left In: 1.718+/-0.000 χ^2/NDF : 1299400.3/1

+ sign 3.249+/-0.000 χ^2/NDF : 3544075541.3/18

All: 3.263+/-0.000 χ^2/NDF : 7595731668.6/39

- sign 3.276+/-0.000 χ^2/NDF : 4040619673.9/20

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 8415681.1/15

Left Out: 0.091 $\pm$ 0.000 χ^2 /NDF:13701.9/2

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8542249.7/18

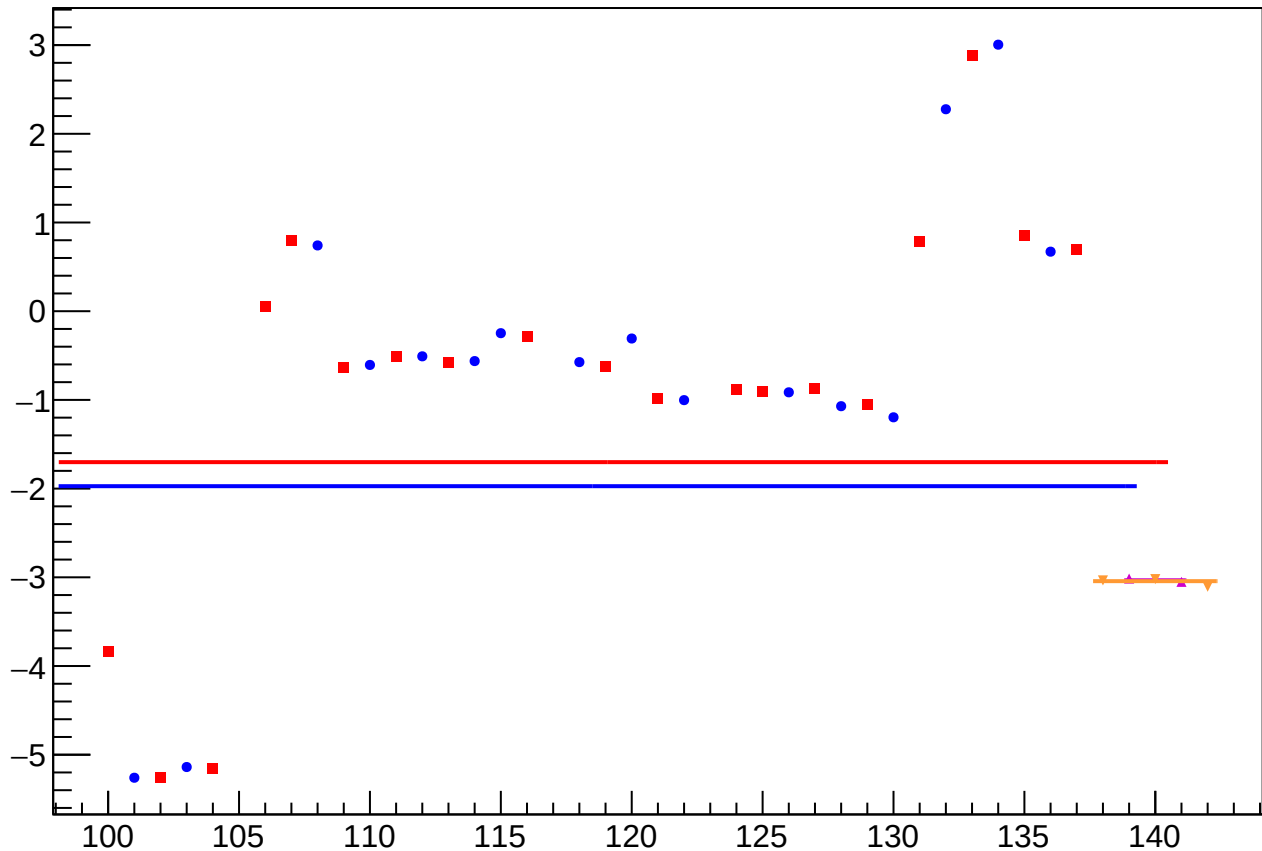
Left In: 0.051 $\pm$ 0.000 χ^2 /NDF:353136.5/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 11472335.7/18

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 21564406.3/39

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 10091629.0/20

yield_bpm0l04X_mean vs Slug



Right In: -1.973+/-0.000 χ^2/NDF : 161975701237.3/15

Left Out: -3.043+/-0.000 χ^2/NDF : 35079415.6/2

Right Out: -1.702+/-0.000 χ^2/NDF : 168156981746.0/18

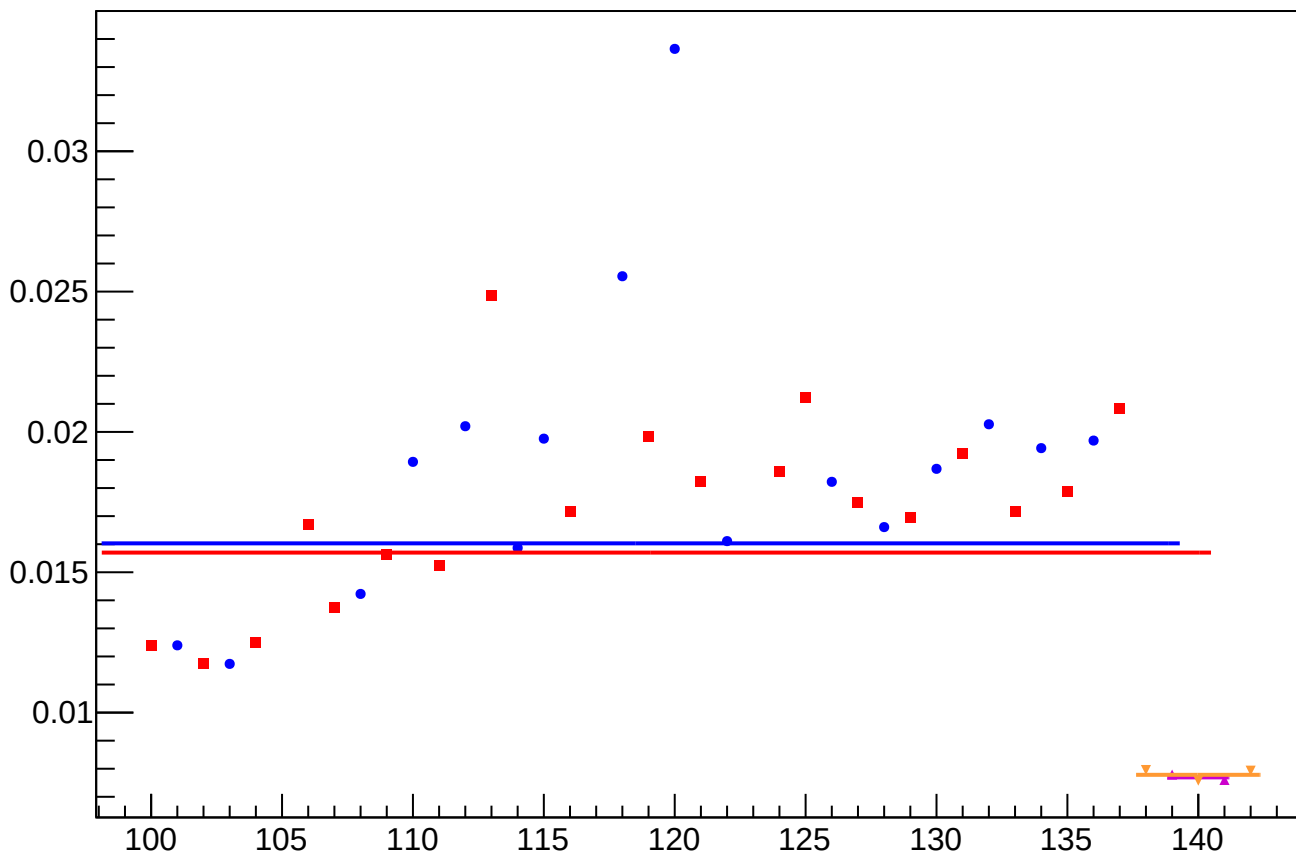
Left In: -3.033+/-0.000 χ^2/NDF : 9634122.4/1

+ sign -2.605+/-0.000 χ^2/NDF : 177357964311.7/18

All: -2.504+/-0.000 χ^2/NDF : 370728442894.0

- sign -2.401+/-0.000 χ^2/NDF : 192221941187.7/20

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF :2195.4/2

Right Out: 0.016+/-0.000 χ^2/NDF : 504766.0/18

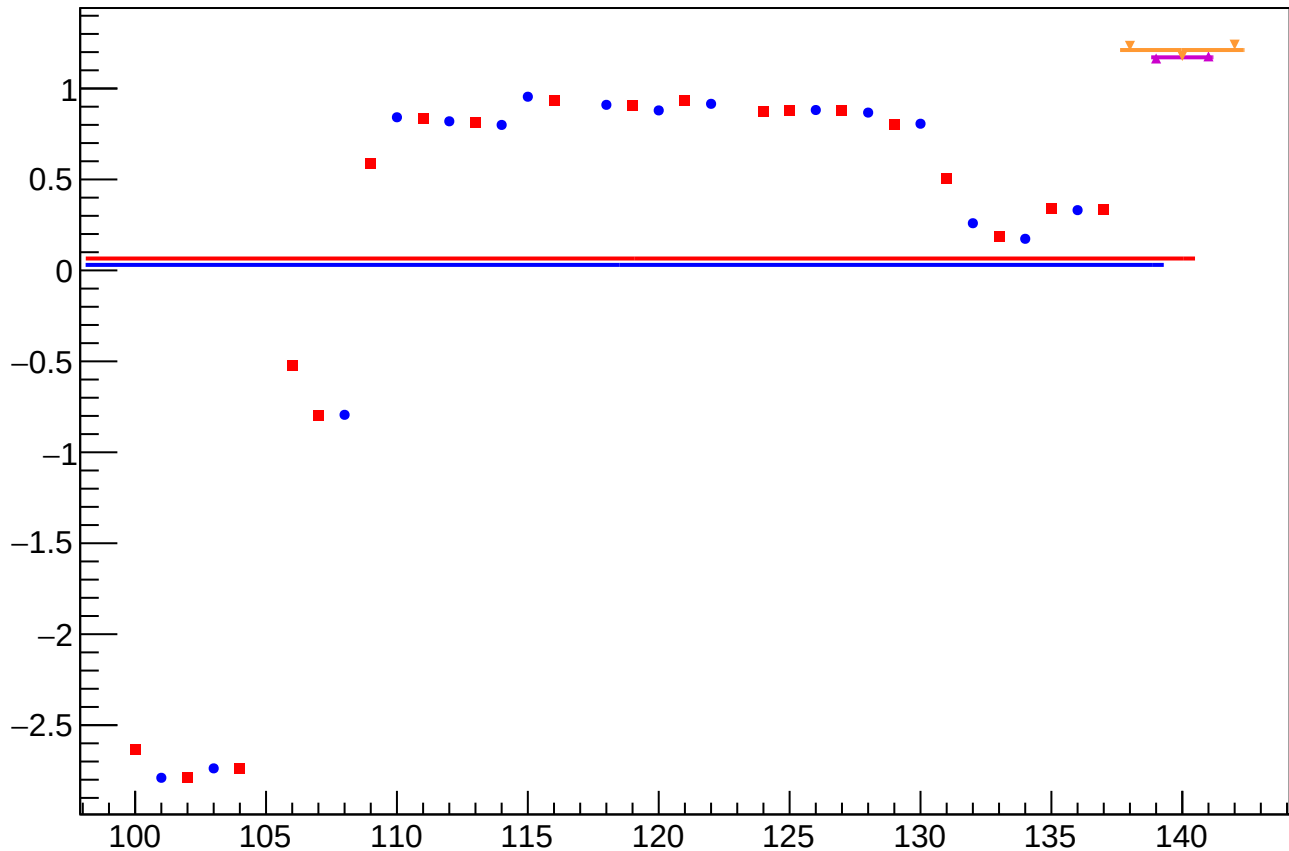
Left In: 0.008+/-0.000 χ^2/NDF :513.9/1

+ sign 0.011+/-0.000 χ^2/NDF : 2559107.2/18

All: 0.011+/-0.000 χ^2/NDF : 4810951.5/39

- sign 0.011+/-0.000 χ^2/NDF : 2245524.5/20

yield_bpm0l04Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 851677270962.0/15

Left Out: 1.211 $\pm$ 0.000 χ^2 /NDF:22023704.1/2

Right Out: 0.065 $\pm$ 0.000 χ^2 /NDF: 935478930138.7/18

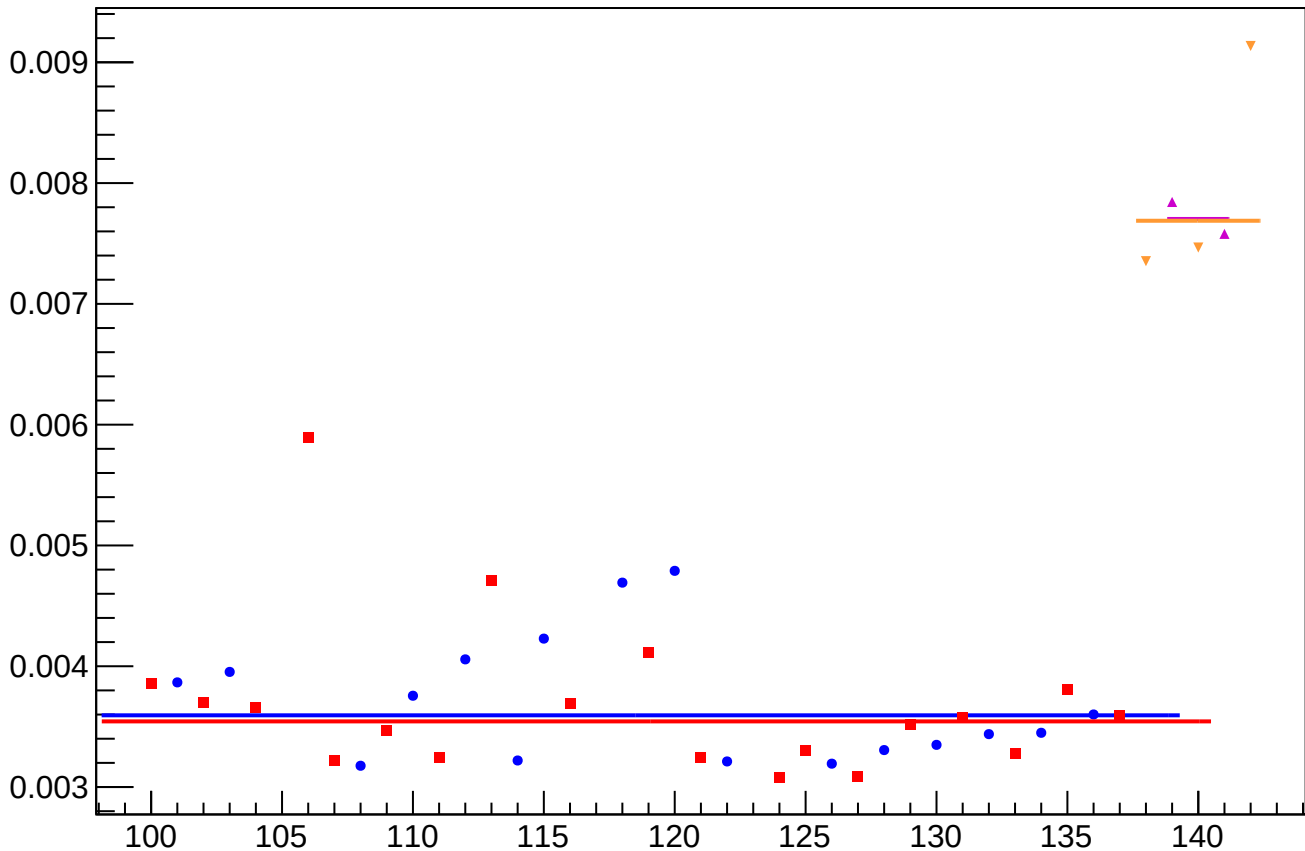
Left In: 1.171 $\pm$ 0.000 χ^2 /NDF:763039.2/1

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 887400678747.2/18

All: 0.099 $\pm$ 0.000 χ^2 /NDF: 1850003061227.

- sign 0.109 $\pm$ 0.000 χ^2 /NDF: 962481459016.9/20

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 180415.0/15

Left Out: 0.008+/-0.000 χ^2/NDF : 21713.7/2

Right Out: 0.004+/-0.000 χ^2/NDF : 224729.1/18

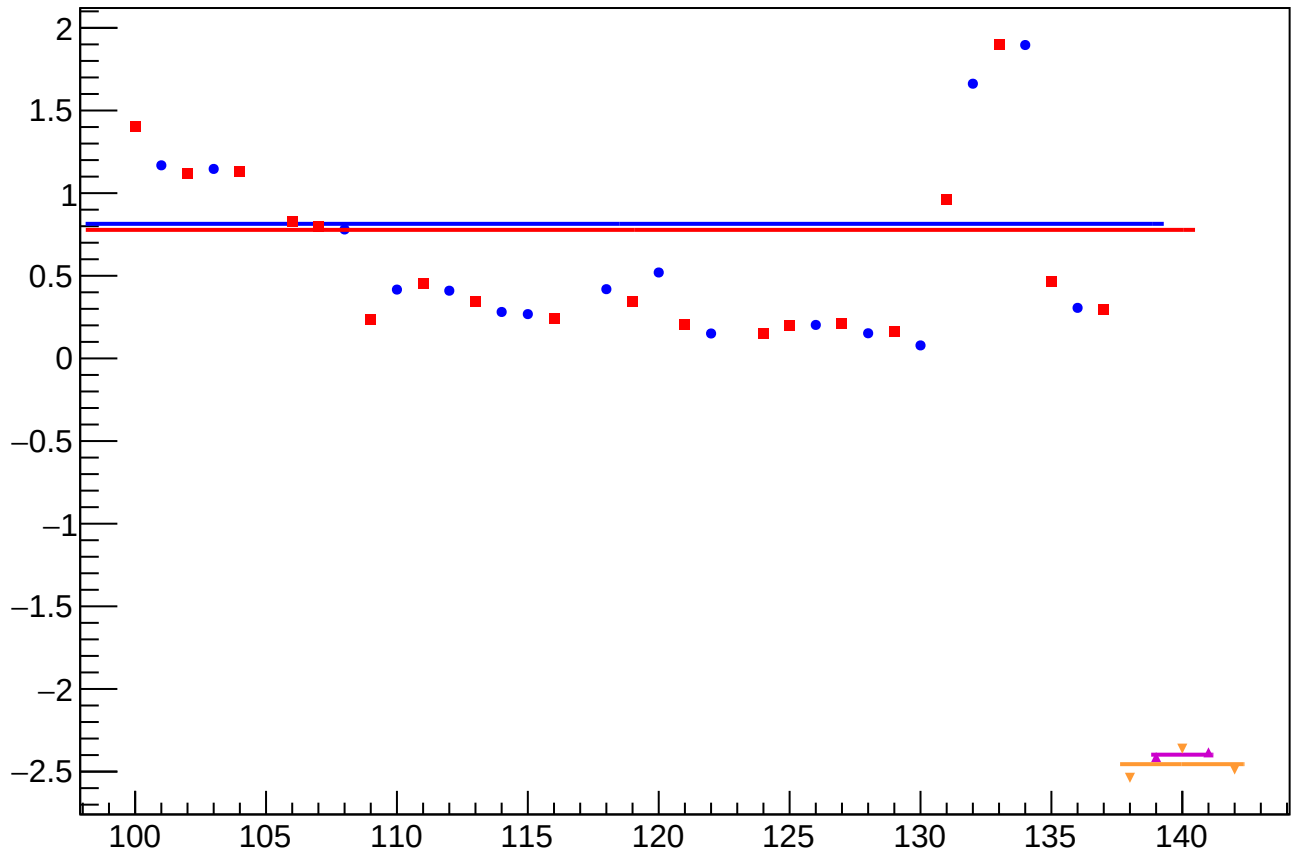
Left In: 0.008+/-0.000 χ^2/NDF : 797.9/1

+ sign 0.004+/-0.000 χ^2/NDF : 1059998.0/18

All: 0.004+/-0.000 χ^2/NDF : 2053638.2/39

- sign 0.004+/-0.000 χ^2/NDF : 989334.6/20

yield_bpm0l05X_mean vs Slug



Right In: 0.814 $\pm$ 0.000 χ^2 /NDF: 35412149008.2/15

Left Out: -2.455 $\pm$ 0.000 χ^2 /NDF: 200606562.0/2

Right Out: 0.778 $\pm$ 0.000 χ^2 /NDF: 34603328062.2/18

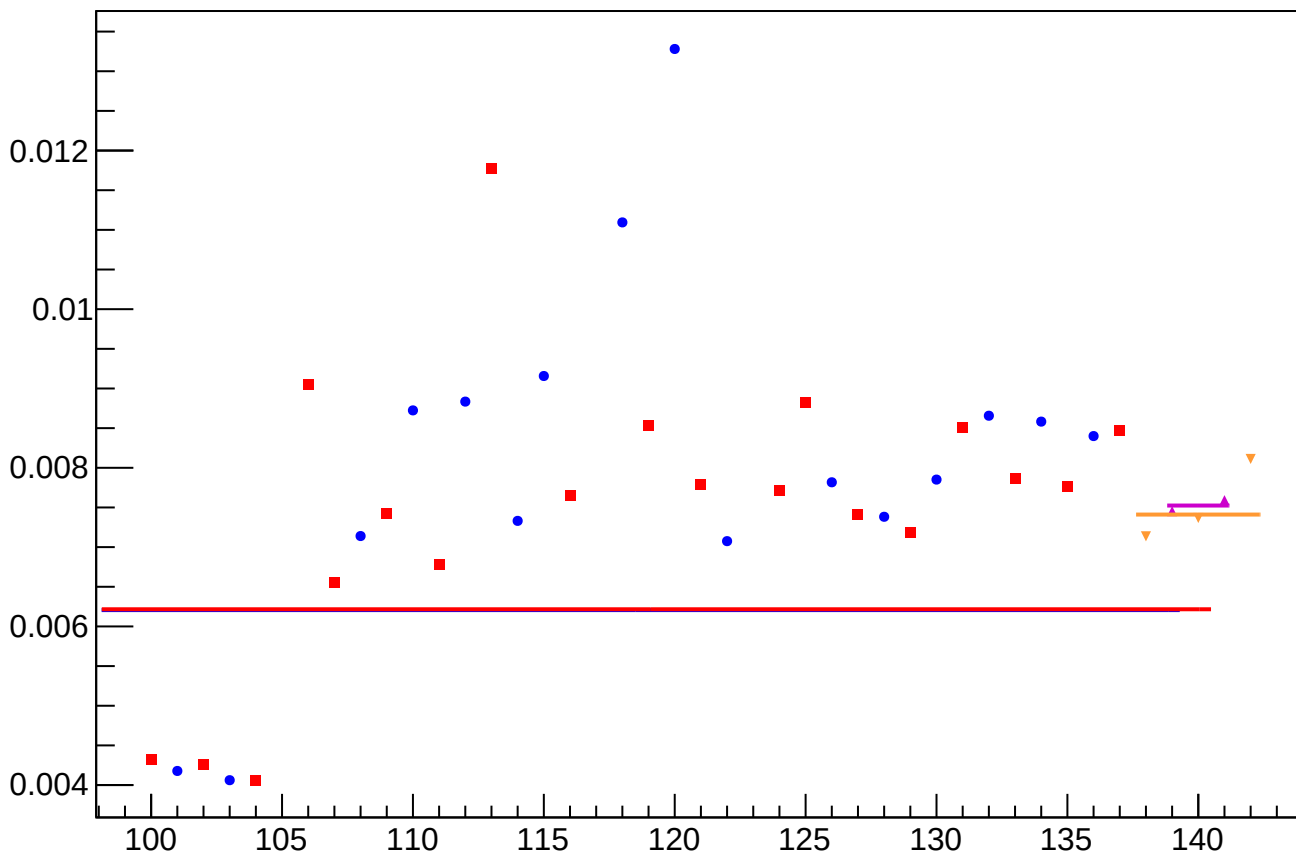
Left In: -2.398 $\pm$ 0.000 χ^2 /NDF: 5363814.3/1

+ sign 0.244 $\pm$ 0.000 χ^2 /NDF: 304568422562.1/18

All: 0.287 $\pm$ 0.000 χ^2 /NDF: 561904351346.4

- sign 0.328 $\pm$ 0.000 χ^2 /NDF: 256713609107.2/20

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF : 7360.0/2

Right Out: 0.006+/-0.000 χ^2/NDF : 1161117.9/18

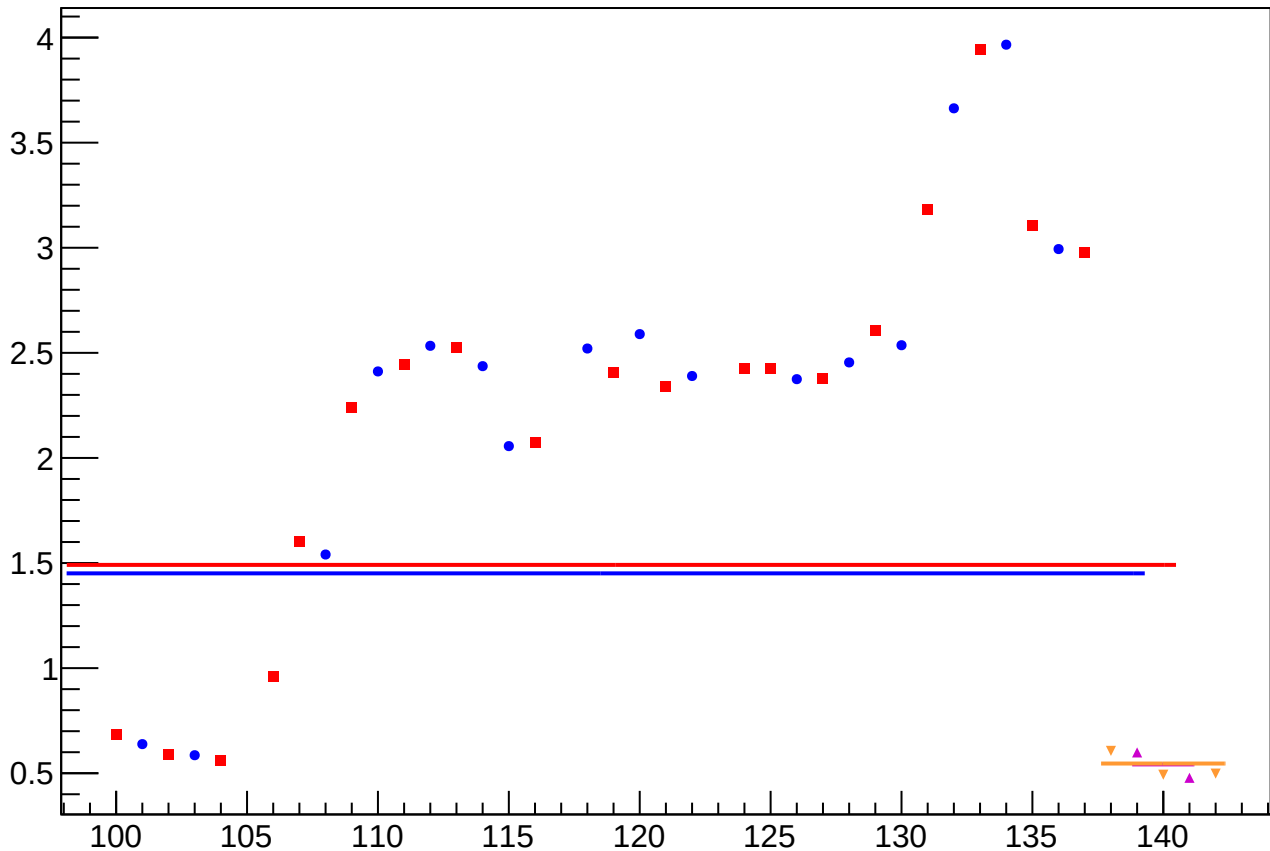
Left In: 0.008+/-0.000 χ^2/NDF : 247.0/1

+ sign 0.006+/-0.000 χ^2/NDF : 1504254.0/18

All: 0.006+/-0.000 χ^2/NDF : 2741006.9/39

- sign 0.006+/-0.000 χ^2/NDF : 1236716.1/20

yield_bpm0l05Y_mean vs Slug



Right In: 1.451+/-0.000 χ^2/NDF : 169635774704.4/15

Left Out: 0.546+/-0.000 χ^2/NDF : 98705820.6/2

Right Out: 1.491+/-0.000 χ^2/NDF : 186952709821.0/18

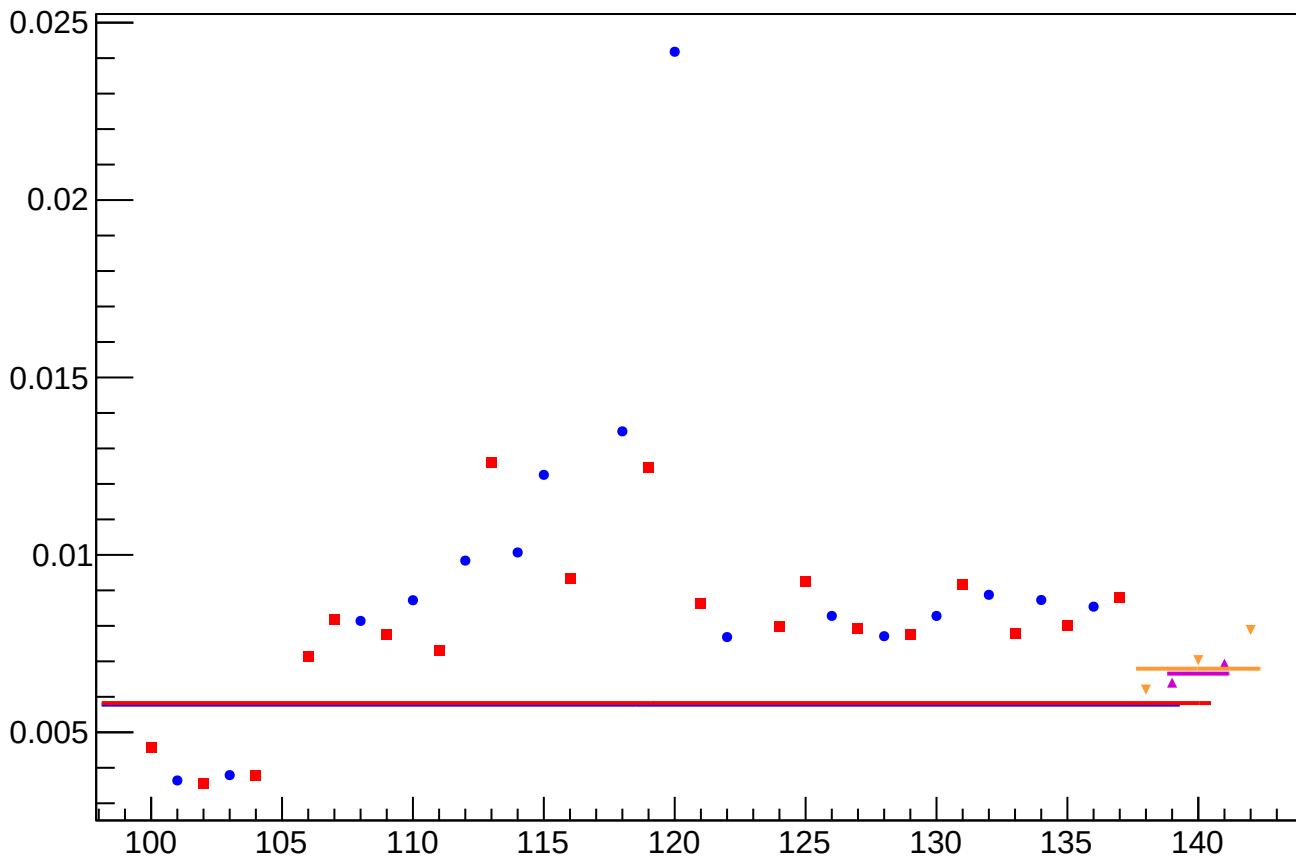
Left In: 0.542+/-0.000 χ^2/NDF : 100612102.4/1

+ sign 1.293+/-0.000 χ^2/NDF : 191192043102.8/18

All: 1.323+/-0.000 χ^2/NDF : 399859058431.5

- sign 1.352+/-0.000 χ^2/NDF : 208337820667.0/20

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2213885.3/15

Left Out: 0.007+/-0.000 χ^2/NDF :24249.0/2

Right Out: 0.006+/-0.000 χ^2/NDF : 1955751.4/18

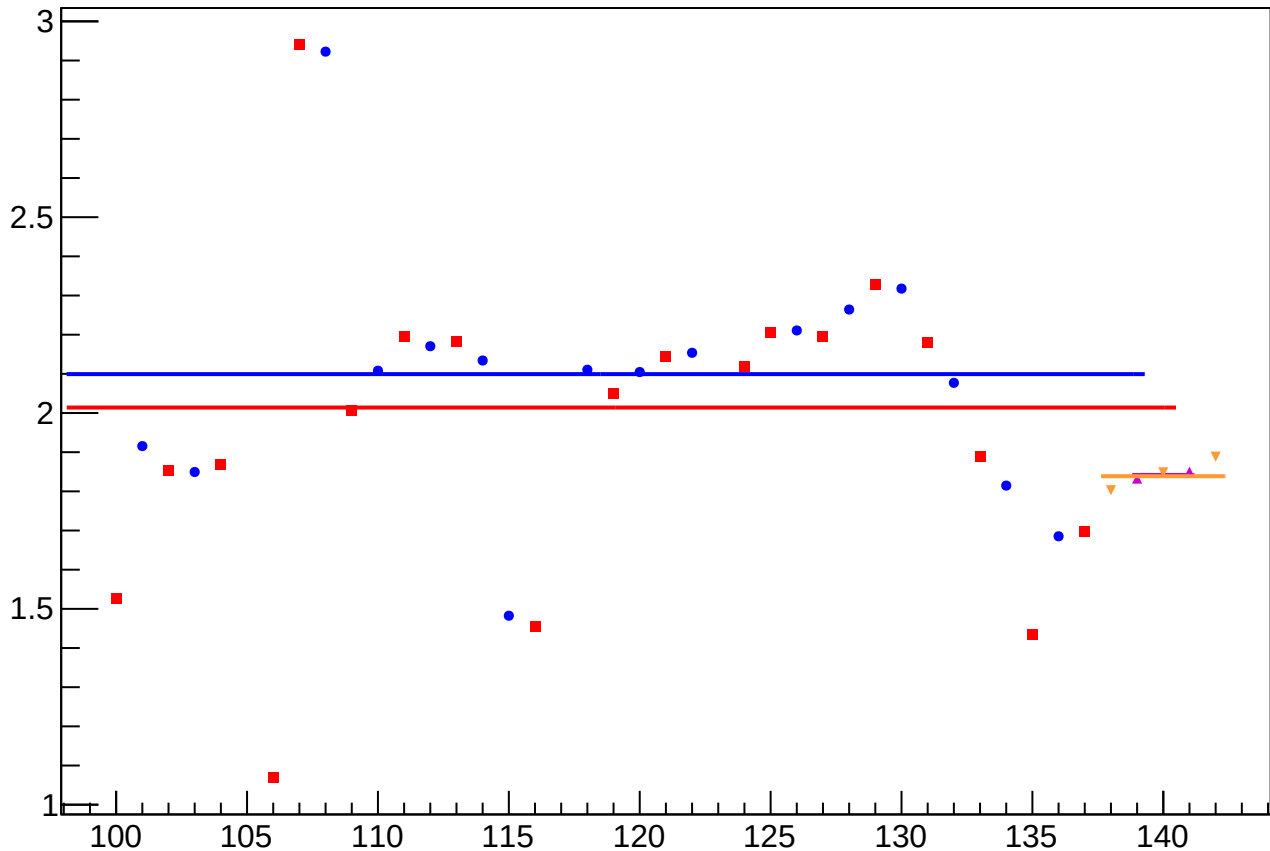
Left In: 0.007+/-0.000 χ^2/NDF :3952.3/1

+ sign 0.006+/-0.000 χ^2/NDF : 2291863.9/18

All: 0.006+/-0.000 χ^2/NDF : 4284157.7/39

- sign 0.006+/-0.000 χ^2/NDF : 1992265.8/20

yield_bpm0l06X_mean vs Slug



Right In: 2.099 $\pm$ 0.000 χ^2 /NDF: 13928556396.8/15

Left Out: 1.839 $\pm$ 0.000 χ^2 /NDF:23253119.3/2

Right Out: 2.014 $\pm$ 0.000 χ^2 /NDF: 19615856596.5/18

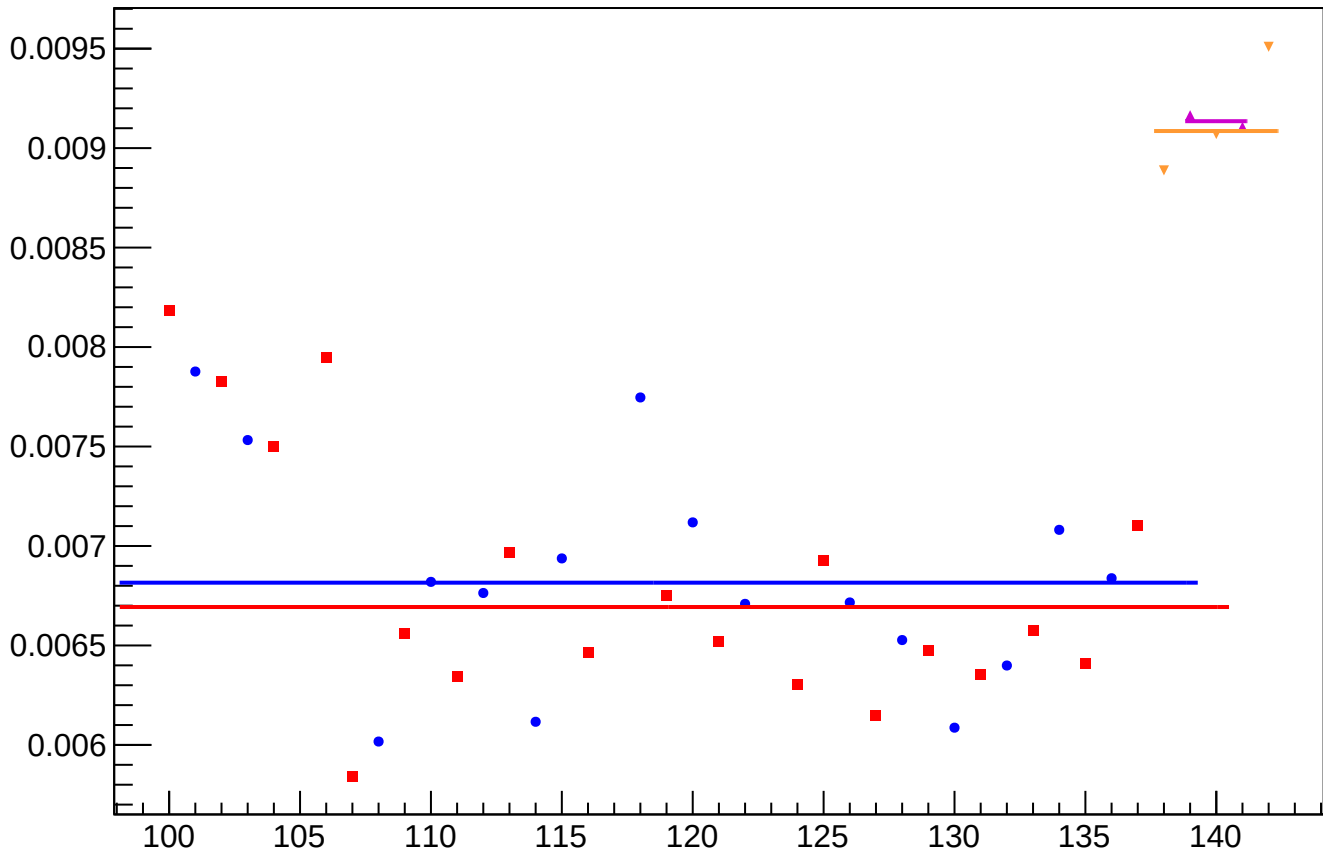
Left In: 1.842 $\pm$ 0.000 χ^2 /NDF:1530330.4/1

+ sign 2.065 $\pm$ 0.000 χ^2 /NDF: 15283393675.8/18

All: 2.029 $\pm$ 0.000 χ^2 /NDF: 35832992123.4/3

- sign 1.995 $\pm$ 0.000 χ^2 /NDF: 20131521294.9/20

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 86781.0/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:2281.2/2

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 87876.9/18

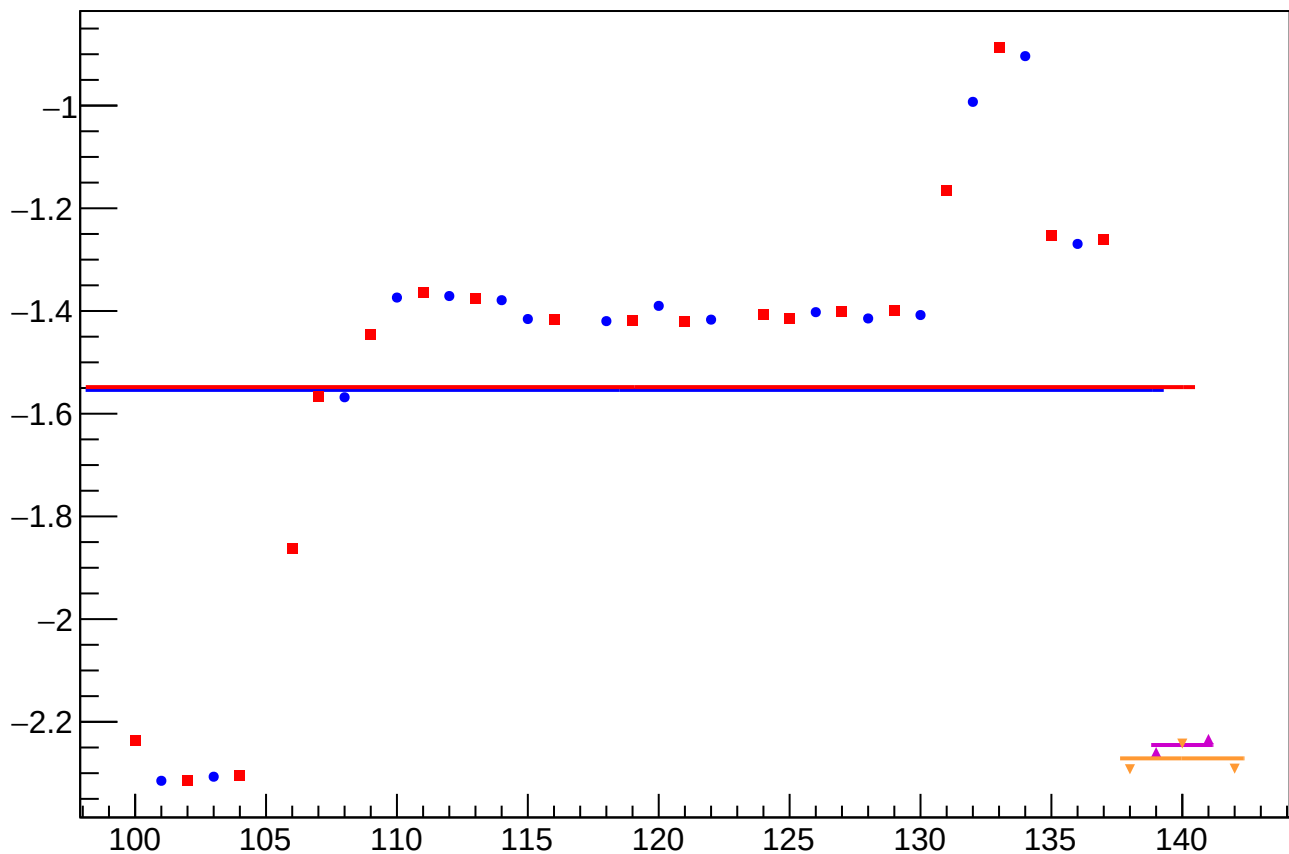
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:32.8/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 291095.3/18

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 590259.0/39

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 294738.7/20

yield_bpm0l06Y_mean vs Slug



Right In: -1.554+/-0.000 χ^2/NDF : 175176621986.0/15

Left Out: -2.271+/-0.000 χ^2/NDF :105909660.6/2

 $+ \text{sign } -1.668 \pm 0.000 \quad \chi^2/\text{NDF: } 251775052034.4/18$

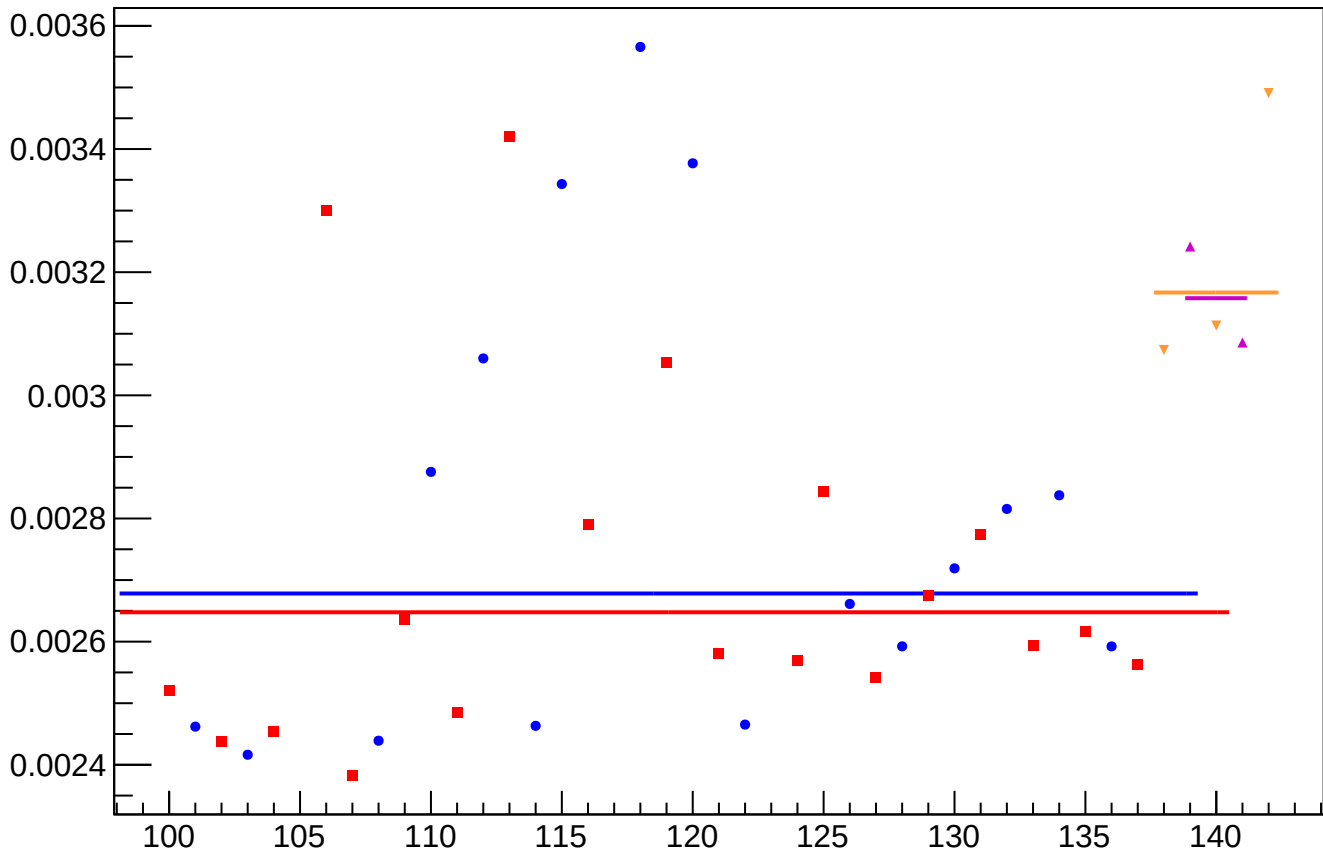
Right Out: -1.548 $\pm$ 0.000 χ^2 /NDF: 174743666302.8/18

All: -1.654+/-0.000 χ^2/NDF : 491240482126.0

- sign -1.640+/-0.000 χ^2/NDF : 239047618606.7/20

Left In: -2.245+/-0.000 χ^2/NDF :24866259.0/1

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 : 8452.3/2

Right Out: 0.003+/-0.000 χ^2/NDF : 116150.5/18

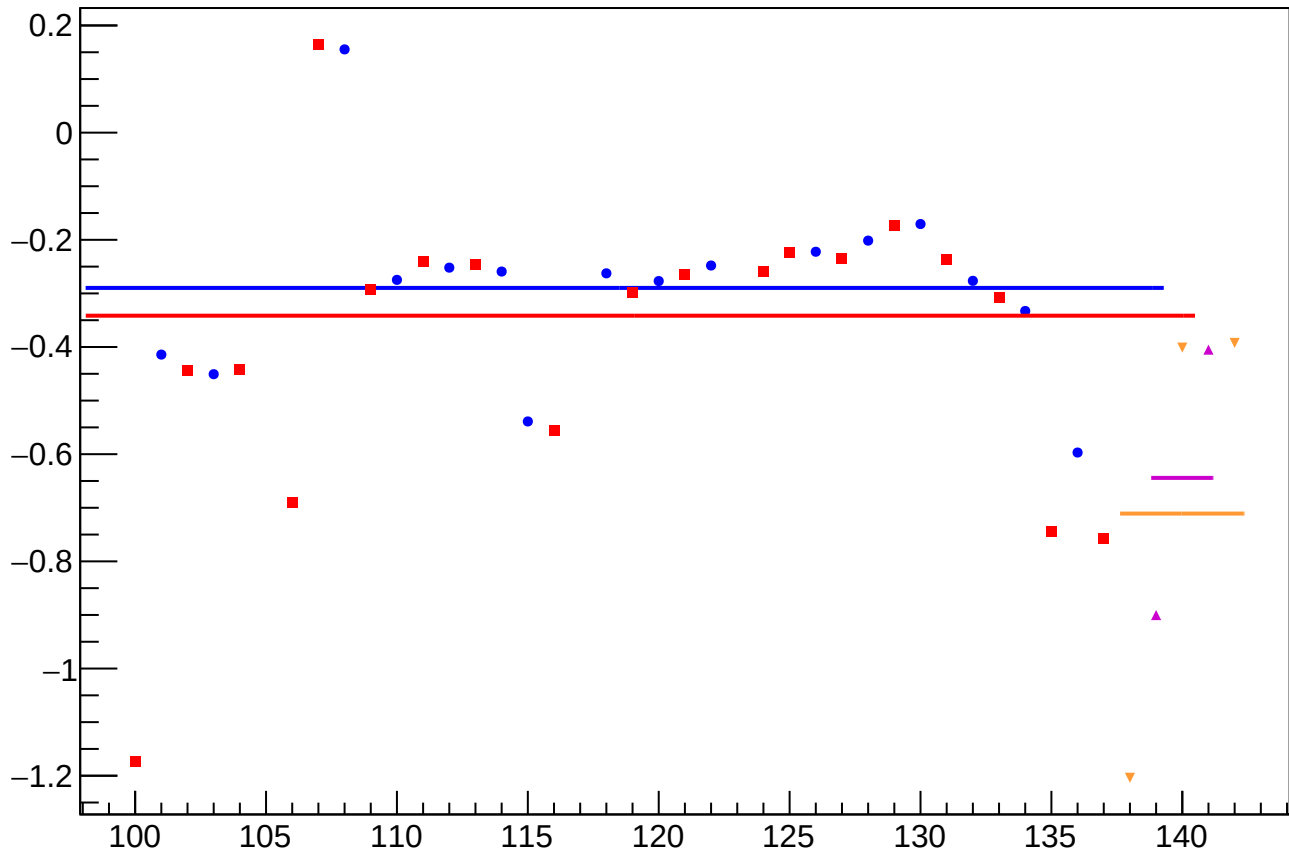
Left In: 0.003+/-0.000 χ^2/NDF : 1843.0/1

+ sign 0.003+/-0.000 χ^2/NDF : 237322.2/18

All: 0.003+/-0.000 χ^2/NDF : 426048.4/39

- sign 0.003+/-0.000 χ^2/NDF : 186857.9/20

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF : 1645174238.4/15

Left Out: -0.711+/-0.000 χ^2/NDF : 1253487941.0/2

+ sign -0.347+/-0.000 χ^2/NDF : 4145756581.0/18

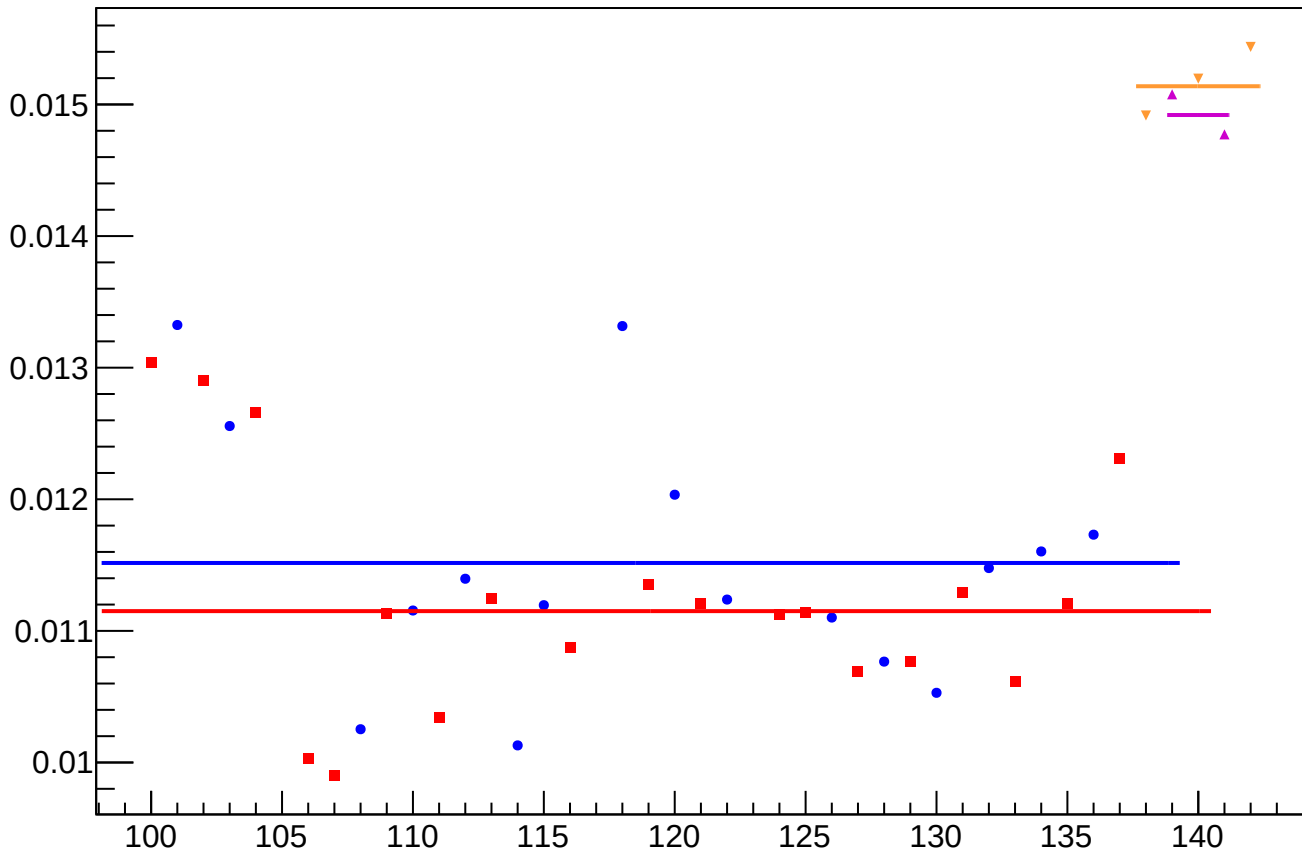
Right Out: -0.342+/-0.000 χ^2/NDF : 2609243421.7/18

All: -0.361+/-0.000 χ^2/NDF : 7816721971.8/3

Left In: -0.644+/-0.000 χ^2/NDF : 444730601.5/1

- sign -0.375+/-0.000 χ^2/NDF : 3645423242.4/20

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 84278.9/15

Left Out: 0.015+/-0.000 χ^2/NDF : 640.0/2

Right Out: 0.011+/-0.000 χ^2/NDF : 70560.1/18

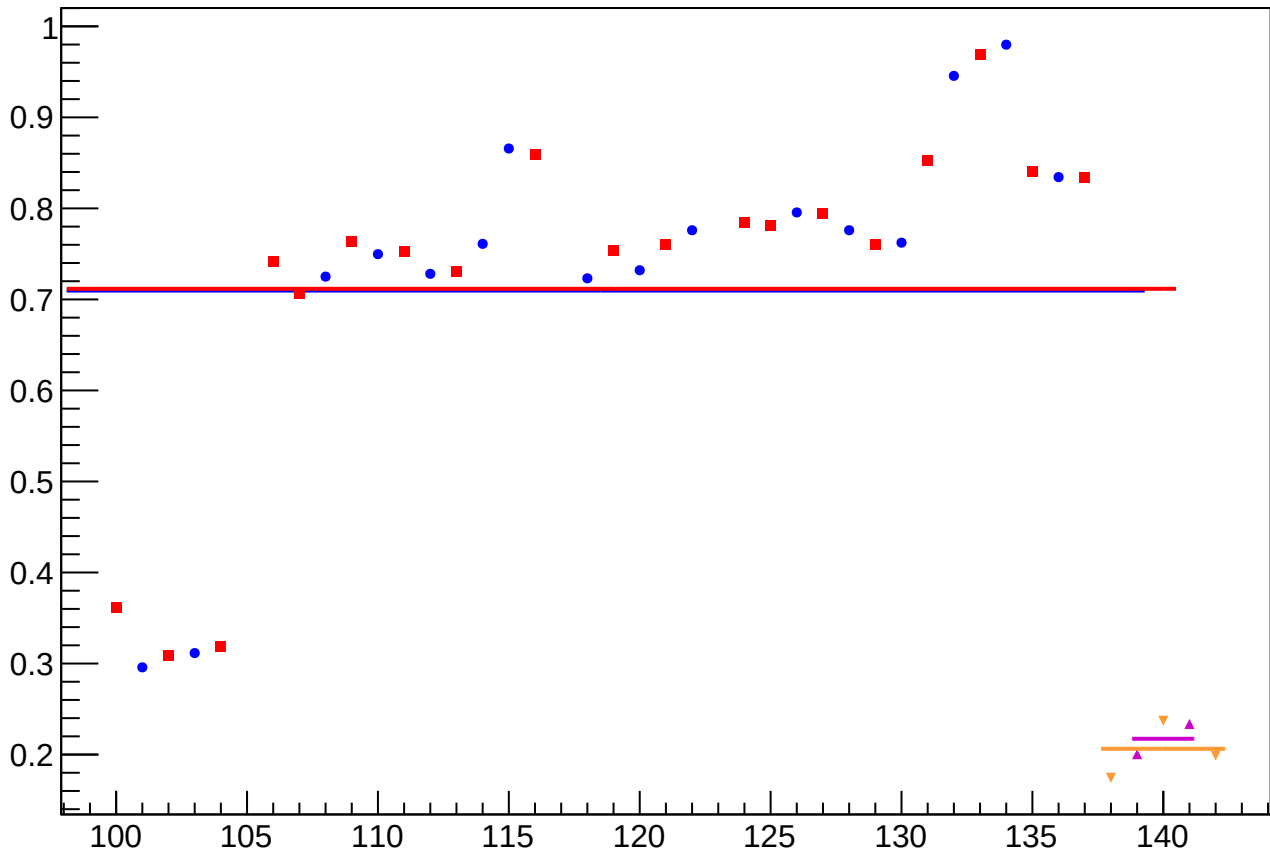
Left In: 0.015+/-0.000 χ^2/NDF : 335.7/1

+ sign 0.012+/-0.000 χ^2/NDF : 269478.2/18

All: 0.012+/-0.000 χ^2/NDF : 535910.6/39

- sign 0.012+/-0.000 χ^2/NDF : 254406.0/20

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF : 48924347494.6/15

Left Out: 0.206+/-0.000 χ^2/NDF : 385360770.8/2

Right Out: 0.712+/-0.000 χ^2/NDF : 44174681920.8/18

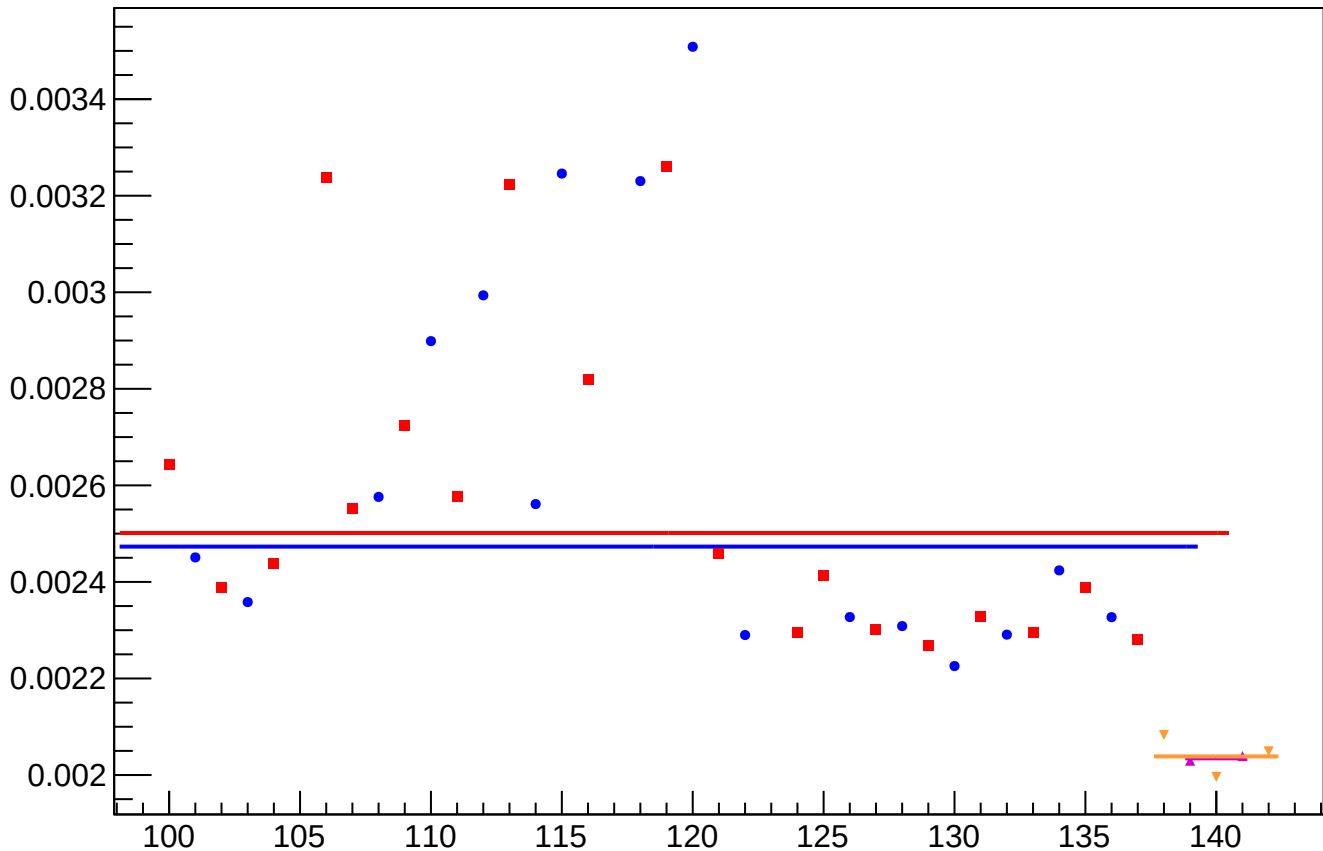
Left In: 0.217+/-0.000 χ^2/NDF : 114332880.9/1

+ sign 0.556+/-0.000 χ^2/NDF : 135816634916.1/18

All: 0.567+/-0.000 χ^2/NDF : 254593594324.5

- sign 0.578+/-0.000 χ^2/NDF : 118367980868.9/20

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 :1485.1/2

Right Out: 0.003+/-0.000 χ^2/NDF : 177427.2/18

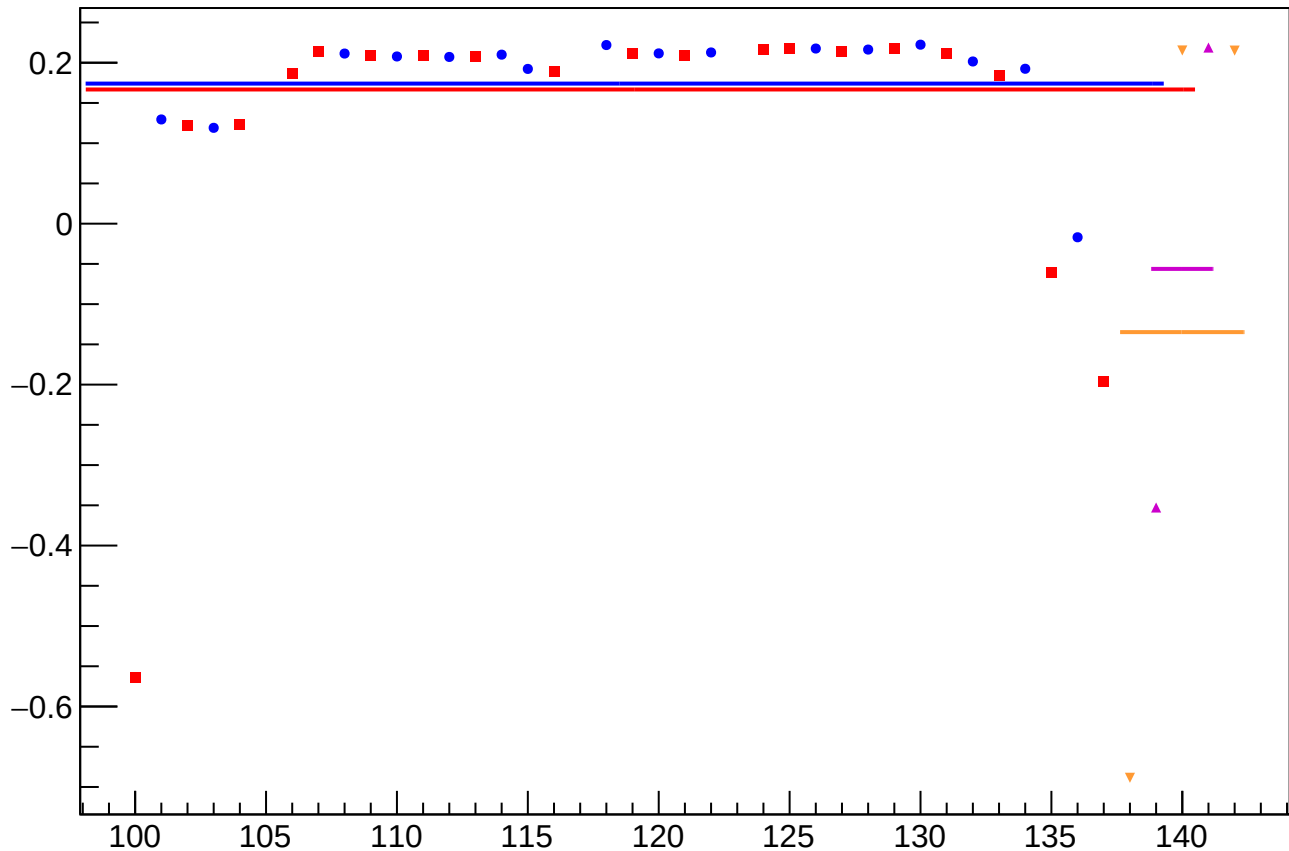
Left In: 0.002+/-0.000 χ^2/NDF :18.8/1

+ sign 0.002+/-0.000 χ^2/NDF : 338511.8/18

All: 0.002+/-0.000 χ^2/NDF : 650060.8/39

- sign 0.002+/-0.000 χ^2/NDF : 309574.0/20

yield_bpm0l08X_mean vs Slug



Right In: 0.174+/-0.000 χ^2/NDF : 401946344.0/15

Left Out: -0.135+/-0.000 χ^2/NDF : 1947938692.2/2

Right Out: 0.167+/-0.000 χ^2/NDF : 894131198.6/18

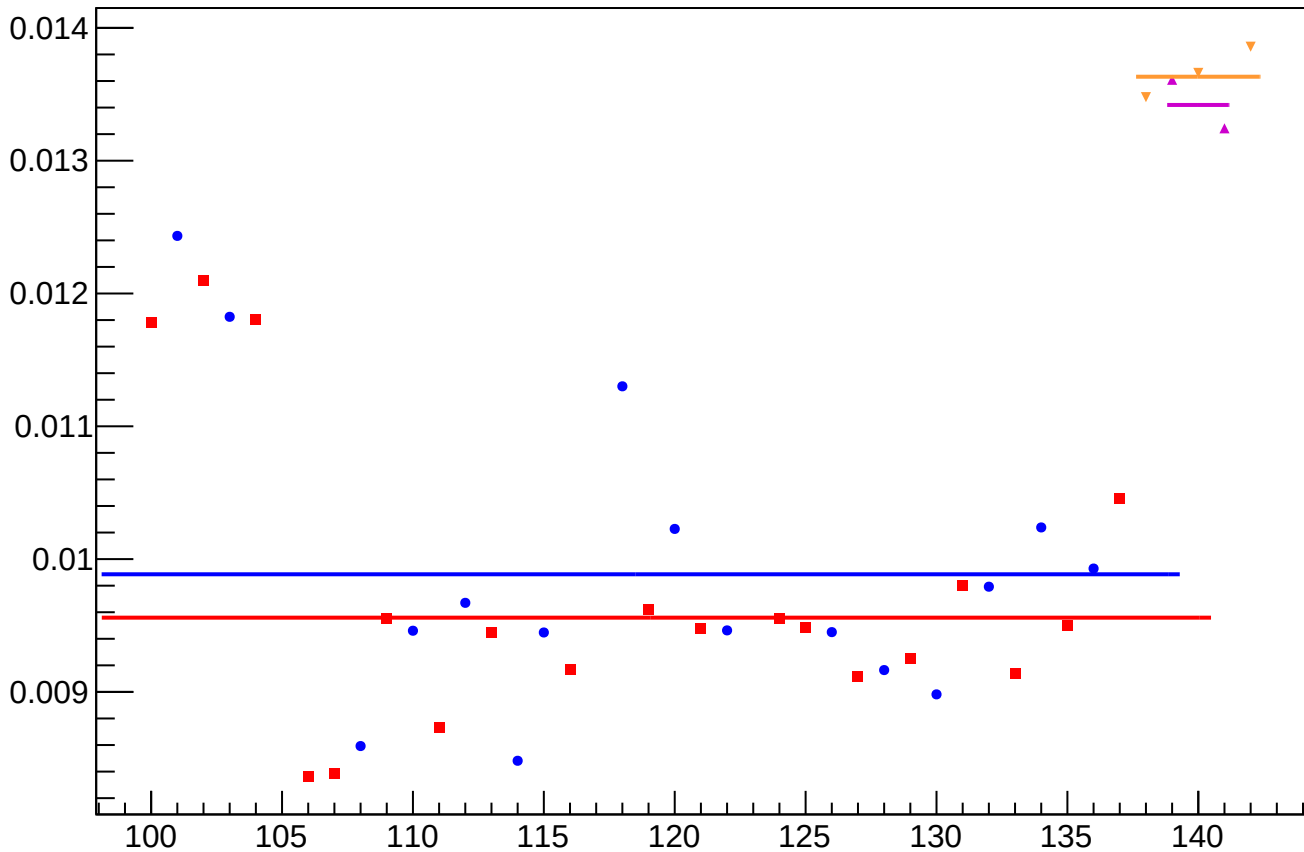
Left In: -0.056+/-0.000 χ^2/NDF : 734641933.7/1

+ sign 0.135+/-0.000 χ^2/NDF : 3188403762.7/18

All: 0.140+/-0.000 χ^2/NDF : 5222034850.6/39

- sign 0.144+/-0.000 χ^2/NDF : 2030603917.1/20

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 148562.0/15

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 409.4/2

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 136197.0/18

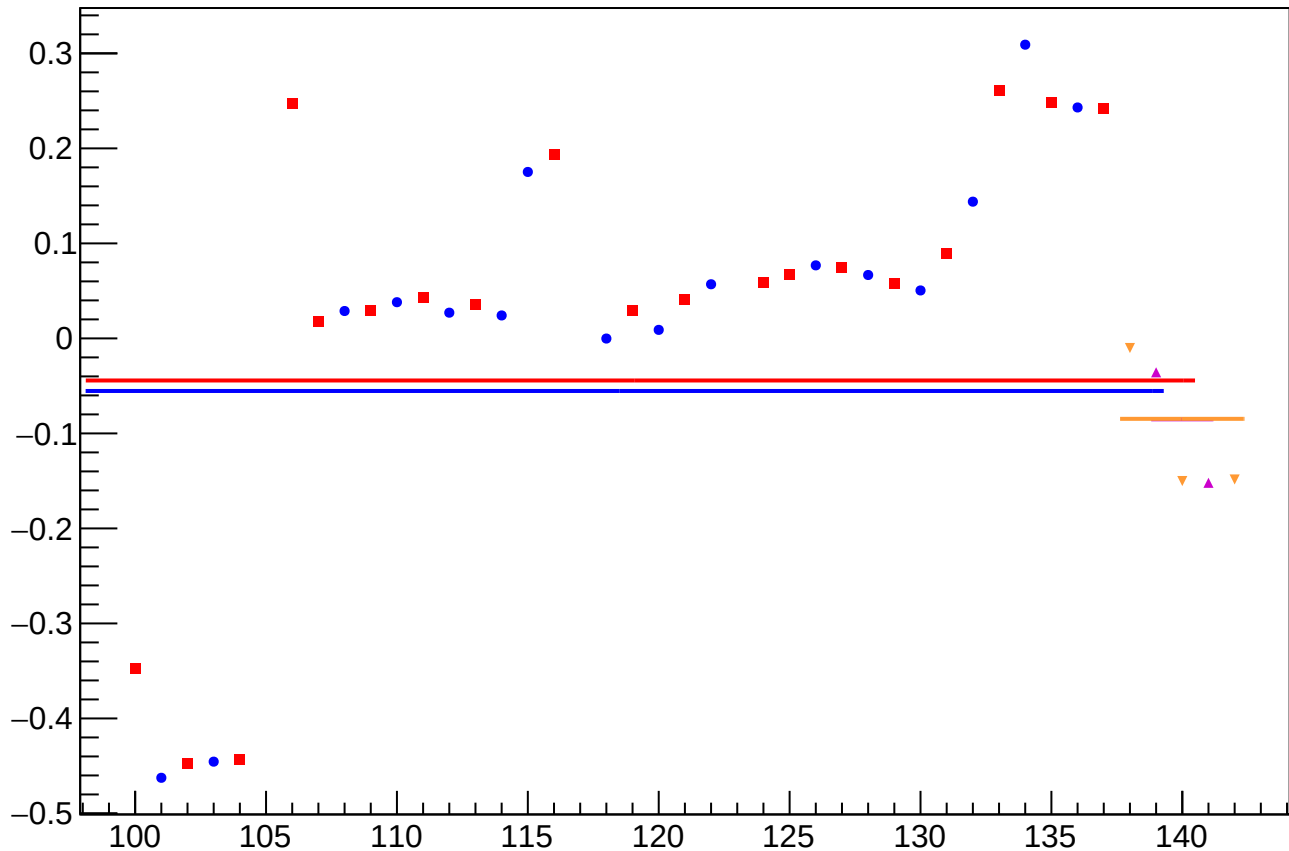
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 600.8/1

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 395822.7/18

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 787010.5/39

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 377776.6/20

yield_bpm0l08Y_mean vs Slug



Right In: -0.055+/-0.000 χ^2/NDF : 24081939190.6/15

Left Out: -0.085+/-0.000 χ^2/NDF : 987120705.4/2

Right Out: -0.044+/-0.000 χ^2/NDF : 22136167141.7/18

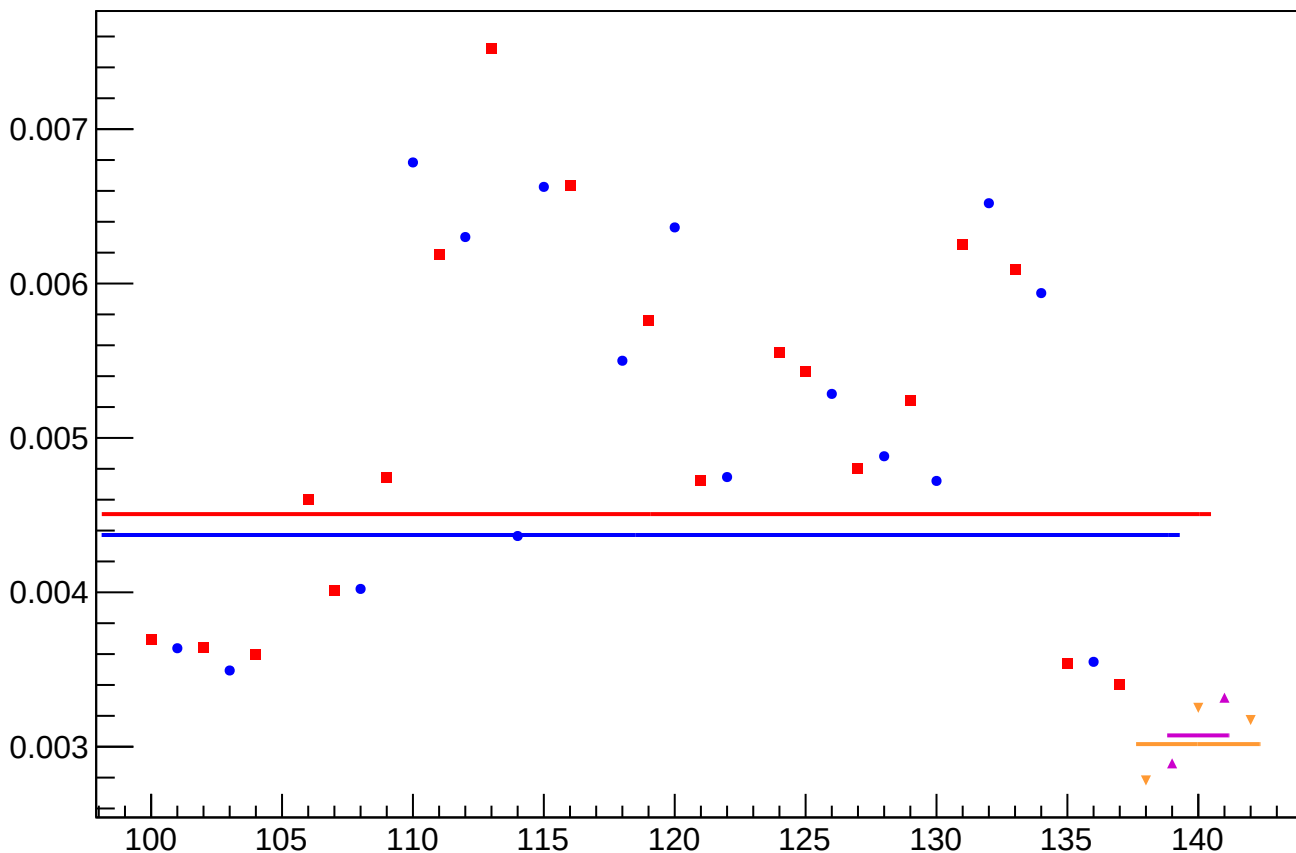
Left In: -0.085+/-0.000 χ^2/NDF : 558645986.5/1

+ sign -0.067+/-0.000 χ^2/NDF : 25176133070.6/18

All: -0.063+/-0.000 χ^2/NDF : 48071562398.2/18

- sign -0.059+/-0.000 χ^2/NDF : 22878536910.0/20

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:20000.3/2

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 704549.6/18

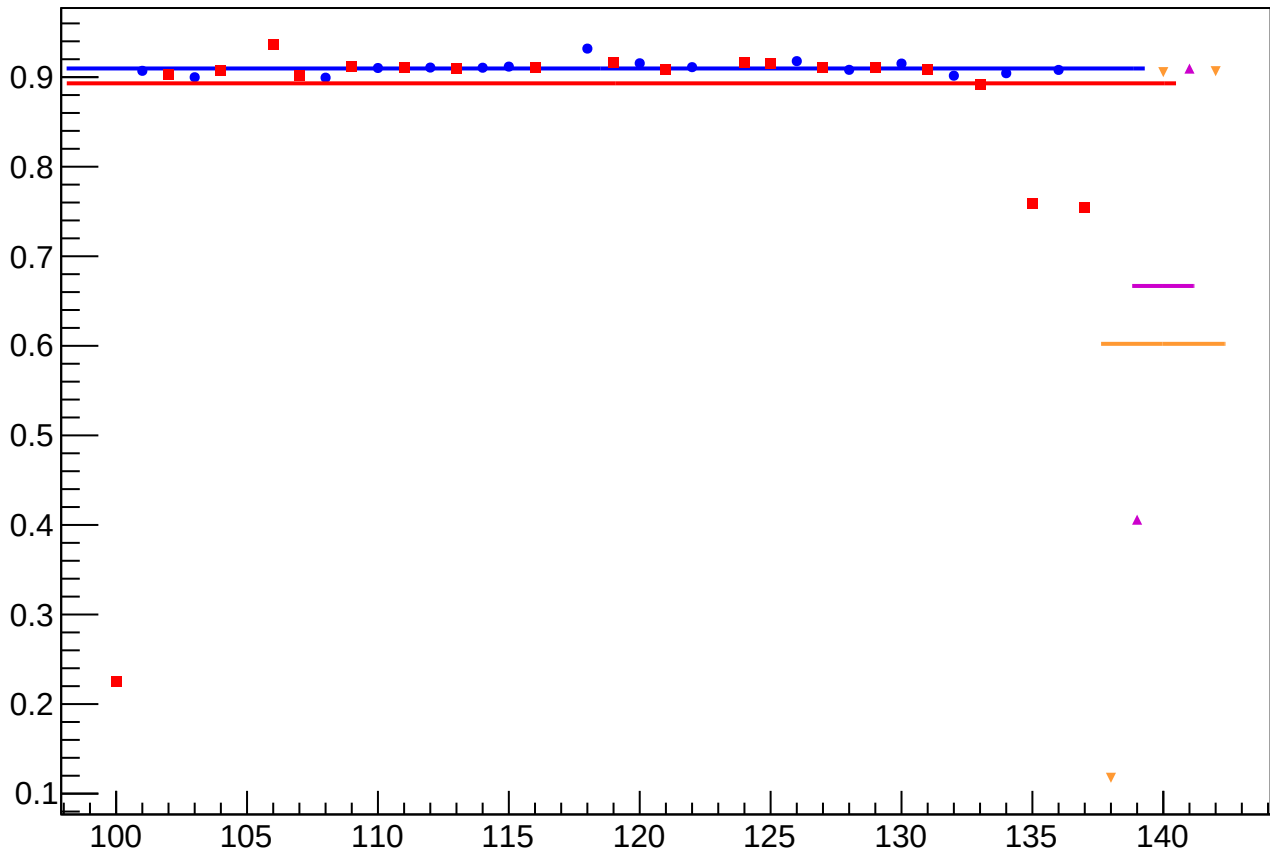
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:14943.2/1

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1137256.4/18

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2321781.8/39

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1171217.2/20

yield_bpm0l09X_mean vs Slug



Right In: 0.910 $\pm$ 0.000 χ^2 /NDF: 3133349.6/15

Left Out: 0.602 $\pm$ 0.000 χ^2 /NDF:1616094575.4/2

Right Out: 0.893 $\pm$ 0.000 χ^2 /NDF: 327979021.4/18

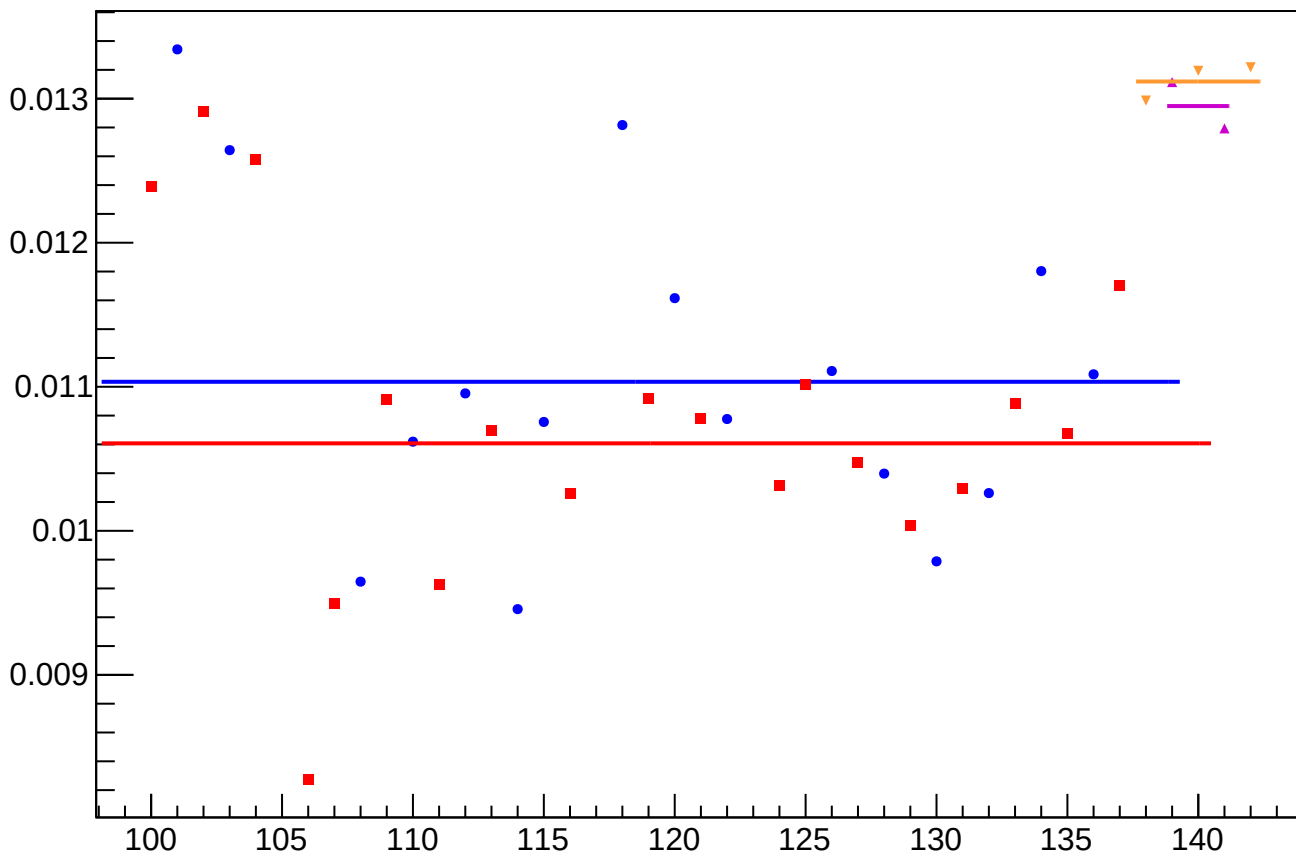
Left In: 0.667 $\pm$ 0.000 χ^2 /NDF:618765029.6/1

+ sign 0.860 $\pm$ 0.000 χ^2 /NDF: 2488138644.5/18

All: 0.861 $\pm$ 0.000 χ^2 /NDF: 3869175824.0/39

- sign 0.863 $\pm$ 0.000 χ^2 /NDF: 1380589407.7/20

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 130353.1/15

Left Out: 0.013+/-0.000 χ^2/NDF : 242.7/2

Right Out: 0.011+/-0.000 χ^2/NDF : 143947.4/18

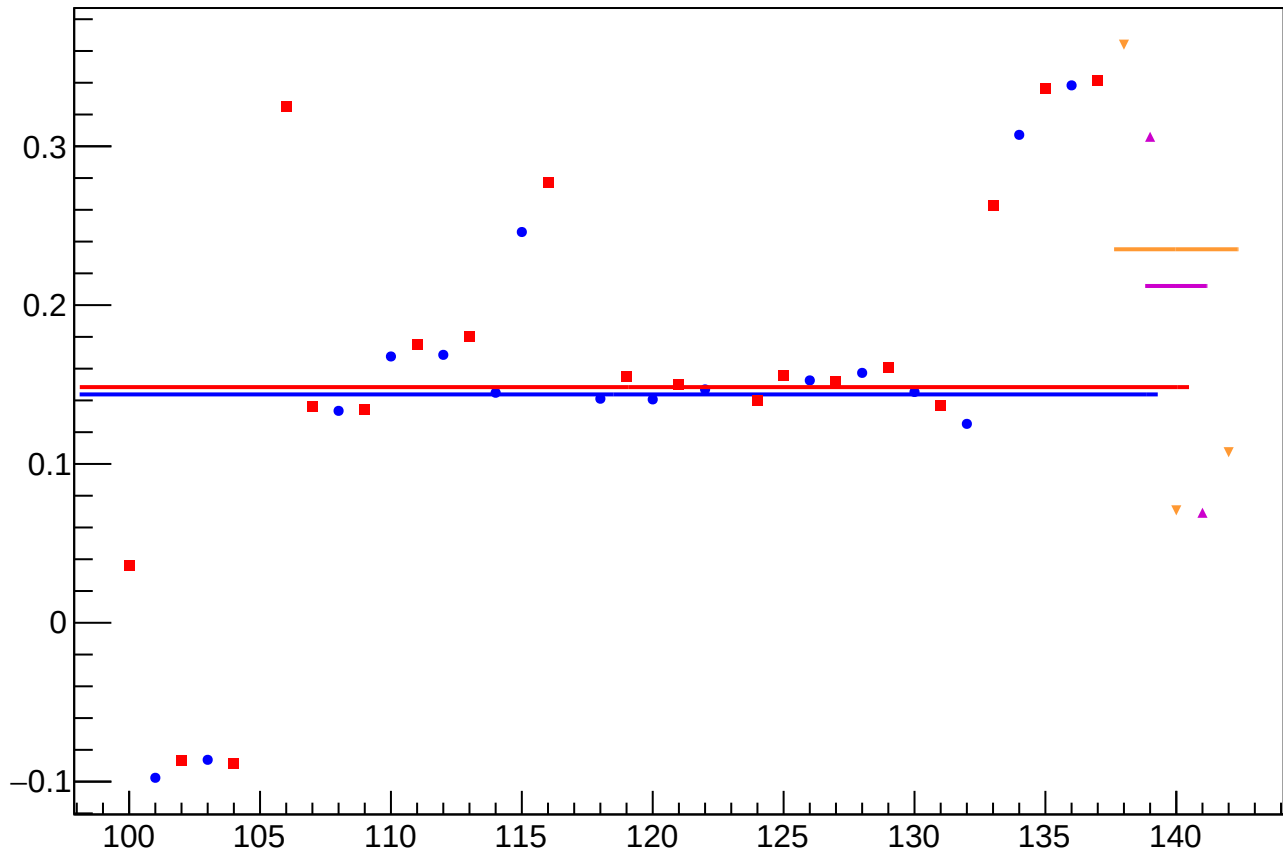
Left In: 0.013+/-0.000 χ^2/NDF : 504.2/1

+ sign 0.011+/-0.000 χ^2/NDF : 210471.6/18

All: 0.011+/-0.000 χ^2/NDF : 462586.0/39

- sign 0.011+/-0.000 χ^2/NDF : 237392.3/20

yield_bpm0l09Y_mean vs Slug



Right In: 0.144 $\pm$ 0.000 χ^2 /NDF: 7867304536.4/15

Left Out: 0.235 $\pm$ 0.000 χ^2 /NDF: 2748927209.1/2

Right Out: 0.148 $\pm$ 0.000 χ^2 /NDF: 7128567107.5/18

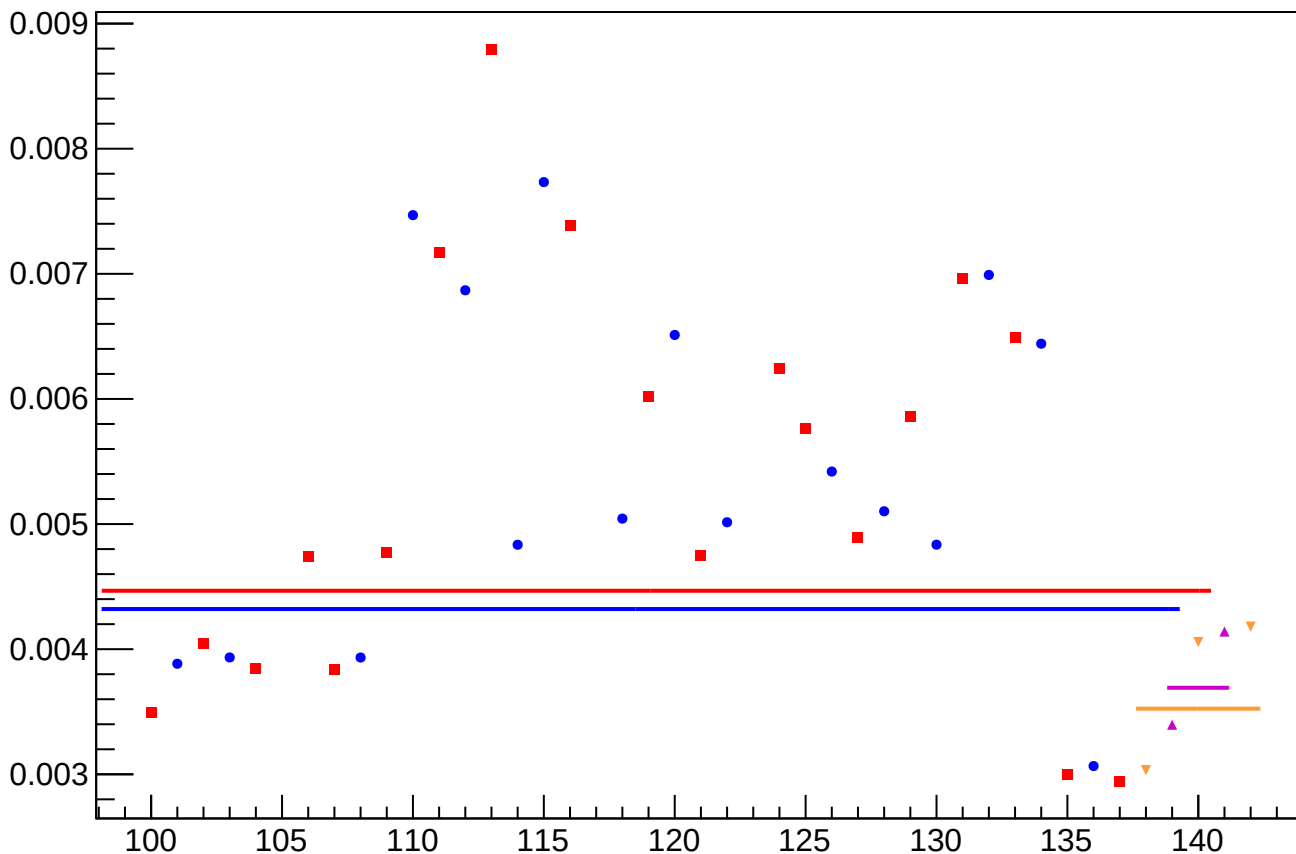
Left In: 0.212 $\pm$ 0.000 χ^2 /NDF: 1484708606.4/1

+ sign 0.172 $\pm$ 0.000 χ^2 /NDF: 11419246101.9/18

All: 0.169 $\pm$ 0.000 χ^2 /NDF: 20369400840.9/3

- sign 0.166 $\pm$ 0.000 χ^2 /NDF: 8940326717.0/20

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 878343.4/15

Left Out: 0.004+/-0.000 χ^2/NDF : 79869.6/2

Right Out: 0.004+/-0.000 χ^2/NDF : 1085759.3/18

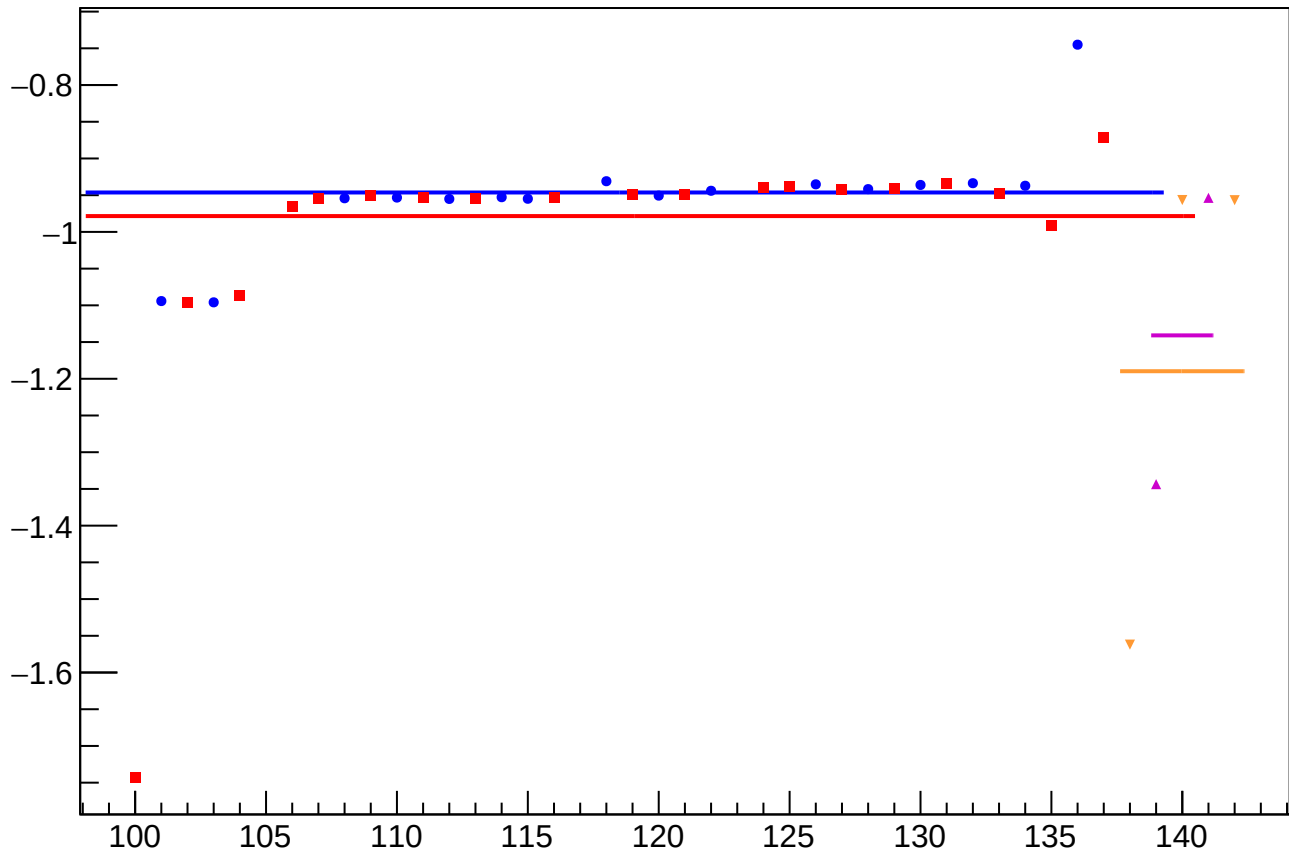
Left In: 0.004+/-0.000 χ^2/NDF : 29365.8/1

+ sign 0.004+/-0.000 χ^2/NDF : 1080181.9/18

All: 0.004+/-0.000 χ^2/NDF : 2306974.3/39

- sign 0.004+/-0.000 χ^2/NDF : 1212097.2/20

yield_bpm0l10X_mean vs Slug



Right In: -0.946+/-0.000 χ^2/NDF : 404509465.5/15

Left Out: -1.190+/-0.000 χ^2/NDF : 1229699828.5/2

Right Out: -0.978+/-0.000 χ^2/NDF : 461081476.3/18

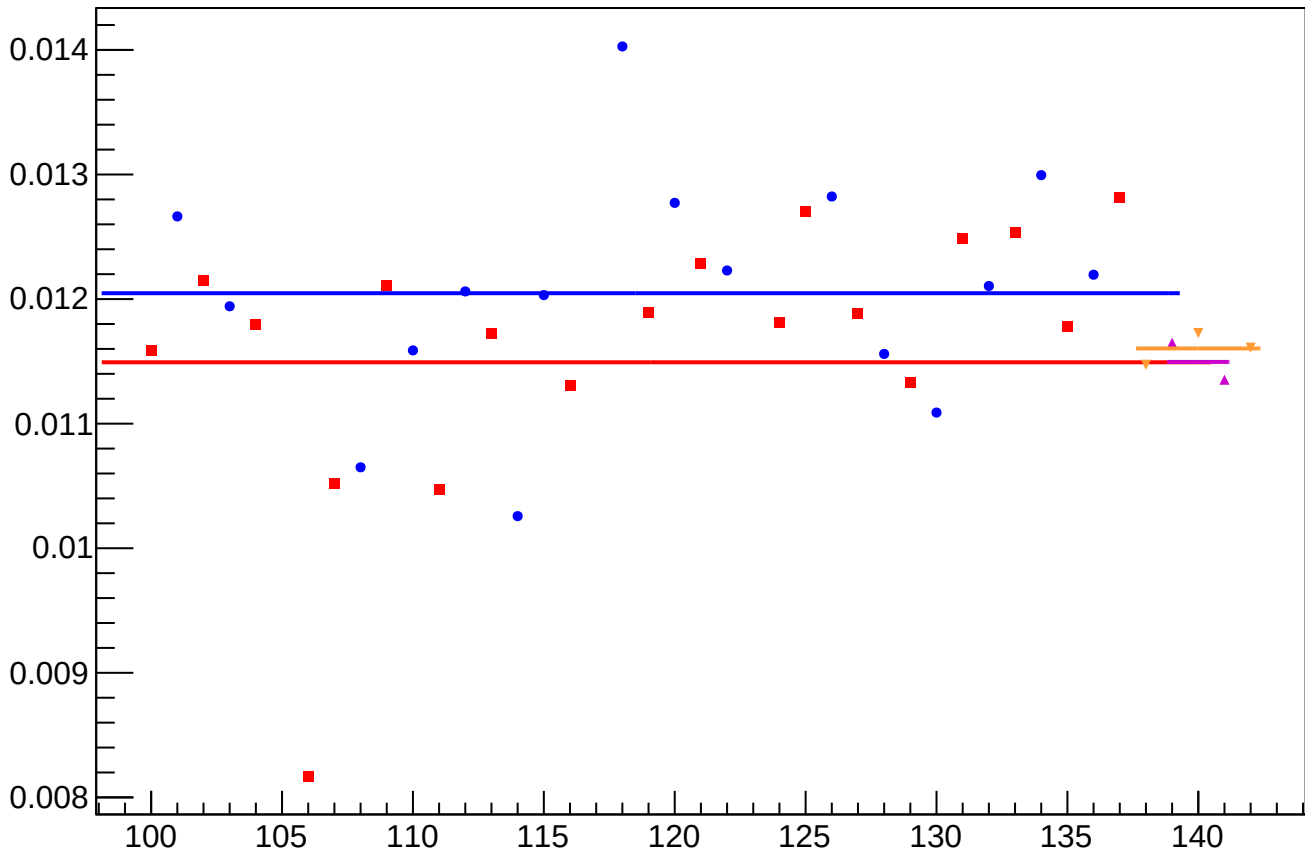
Left In: -1.141+/-0.000 χ^2/NDF : 474111389.9/1

+ sign -1.002+/-0.000 χ^2/NDF : 2280403539.0/18

All: -1.006+/-0.000 χ^2/NDF : 3484928403.8/3

- sign -1.009+/-0.000 χ^2/NDF : 1203178487.5/20

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 62476.3/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:358.9/2

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 151309.4/18

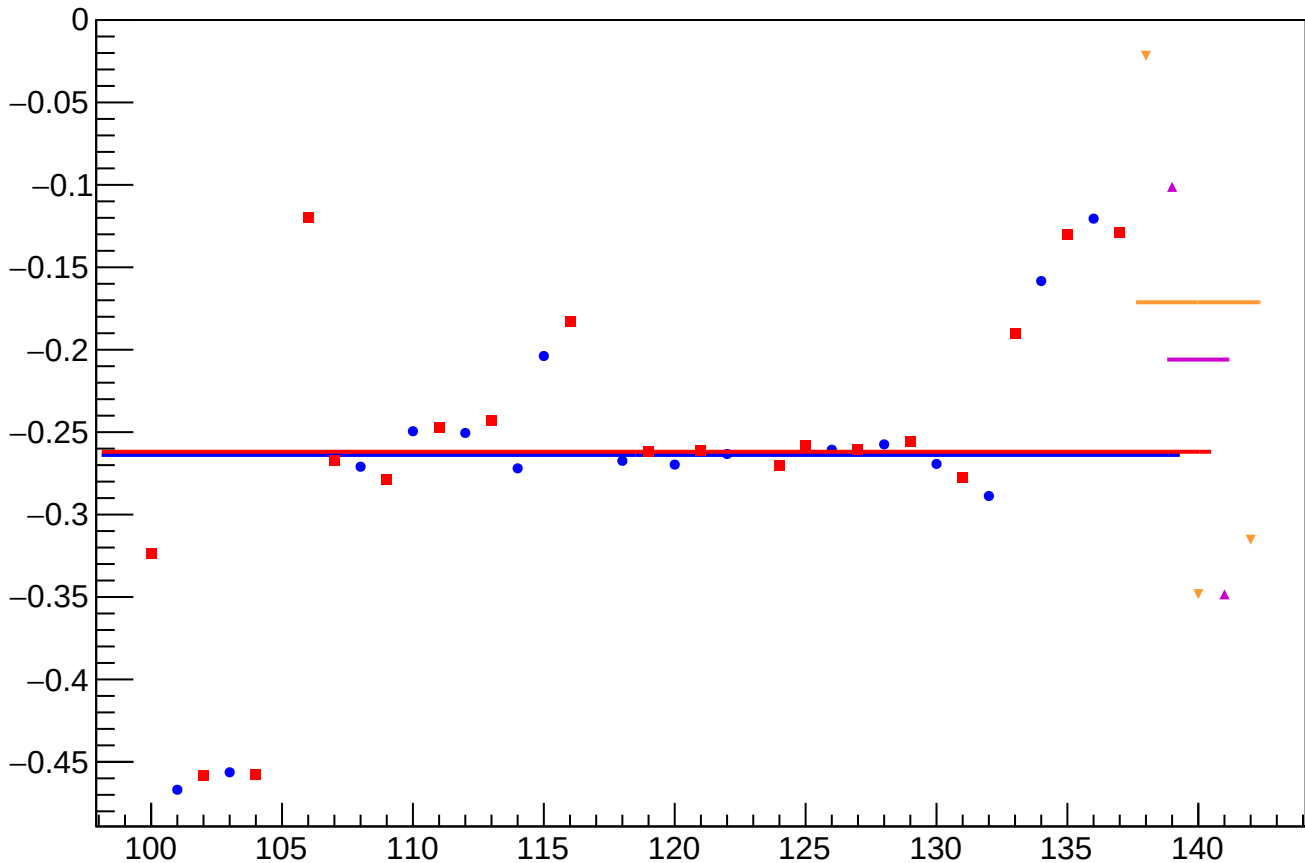
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:549.9/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 67124.3/18

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 232049.3/39

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 151859.4/20

yield_bpm0l10Y_mean vs Slug



Right In: -0.264+/-0.000 χ^2/NDF : 6106171444.3/15

Left Out: -0.171+/-0.000 χ^2/NDF : 2580095016.8/2

Right Out: -0.262+/-0.000 χ^2/NDF : 5250043427.3/18

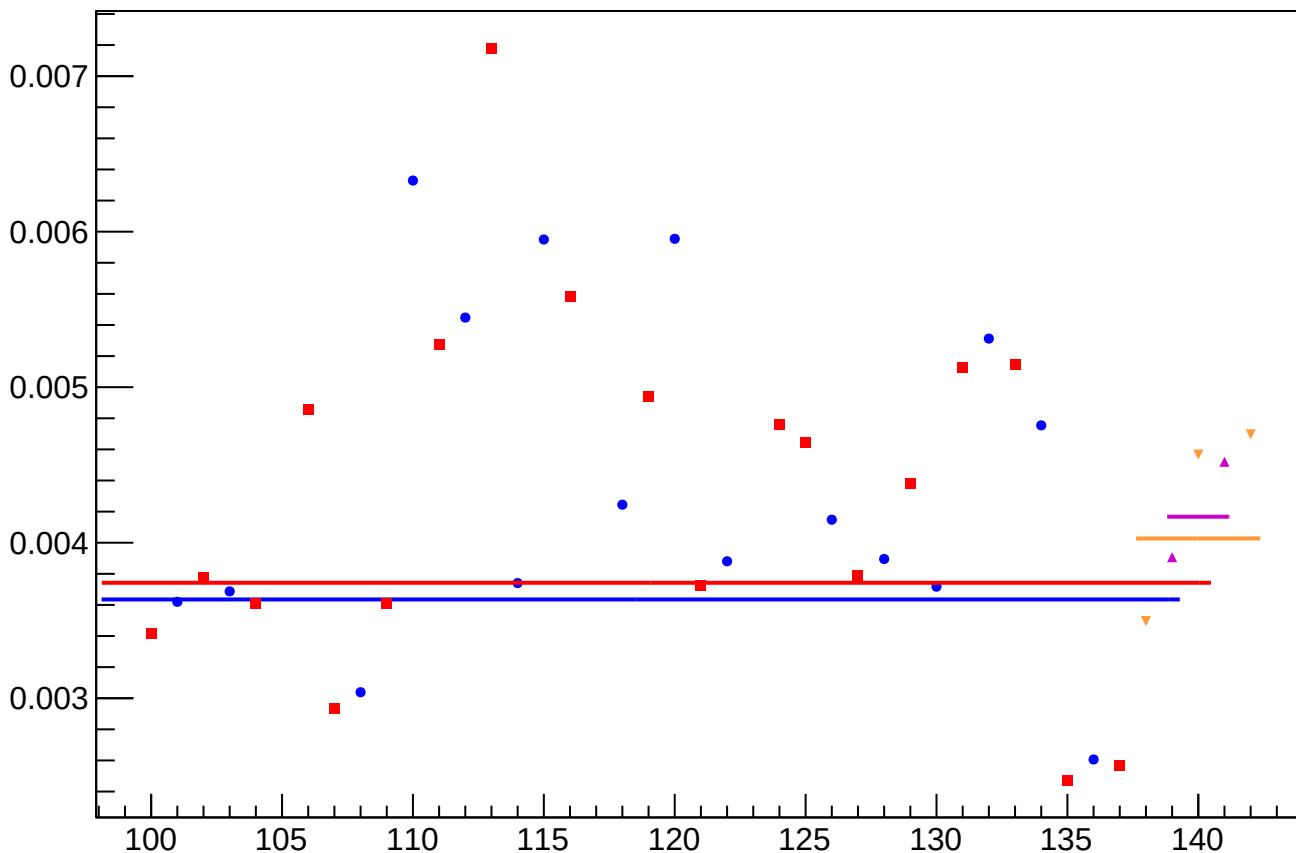
Left In: -0.206+/-0.000 χ^2/NDF : 1255456131.1/1

+ sign -0.246+/-0.000 χ^2/NDF : 9406962643.2/18

All: -0.249+/-0.000 χ^2/NDF : 16144547744.9

- sign -0.253+/-0.000 χ^2/NDF : 6725558611.7/20

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF : 65356.1/2

Right Out: 0.004+/-0.000 χ^2/NDF : 894189.4/18

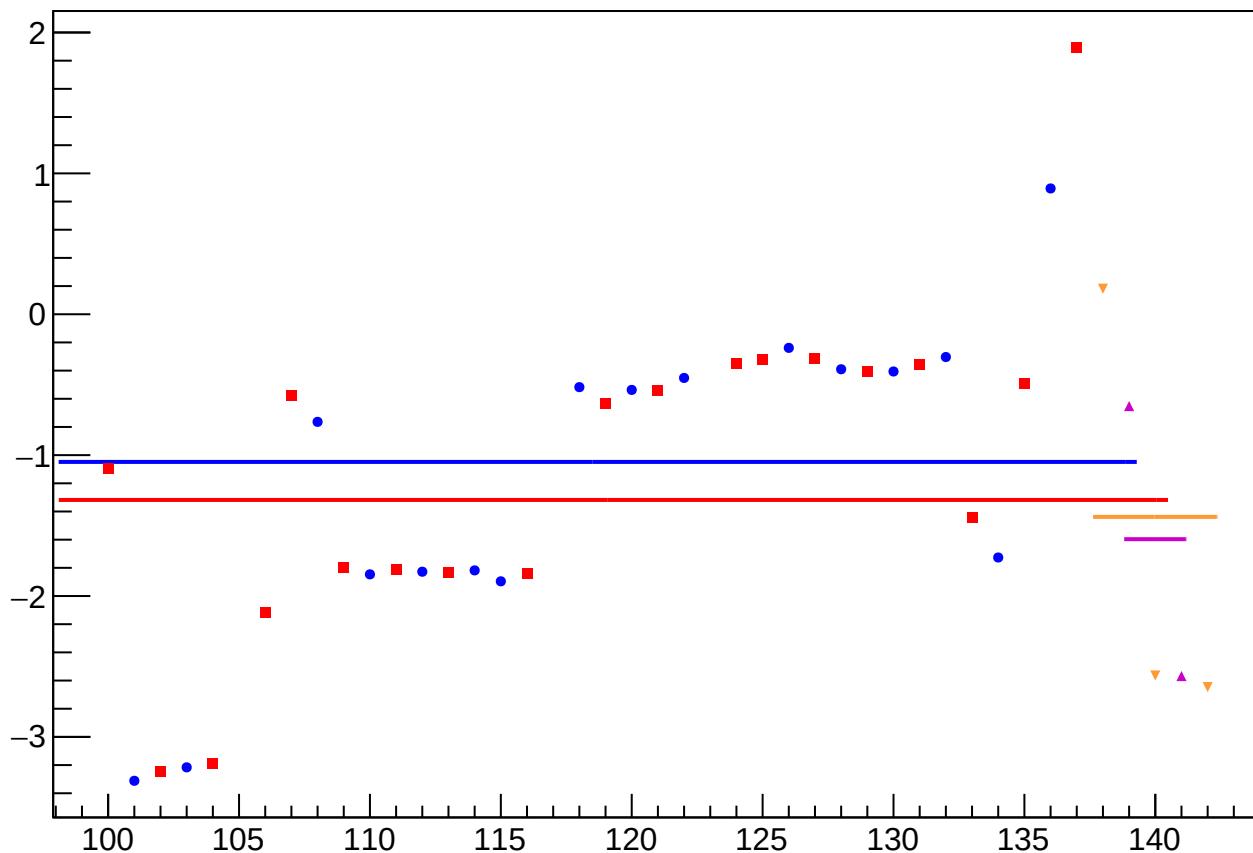
Left In: 0.004+/-0.000 χ^2/NDF : 15477.4/1

+ sign 0.004+/-0.000 χ^2/NDF : 819807.2/18

All: 0.004+/-0.000 χ^2/NDF : 1760258.5/39

- sign 0.004+/-0.000 χ^2/NDF : 935047.8/20

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF : 2347020985.5/15

Left Out: -1.438+/-0.000 χ^2/NDF : 676416926.7/2

Right Out: -1.318+/-0.000 χ^2/NDF : 1847995615.1/18

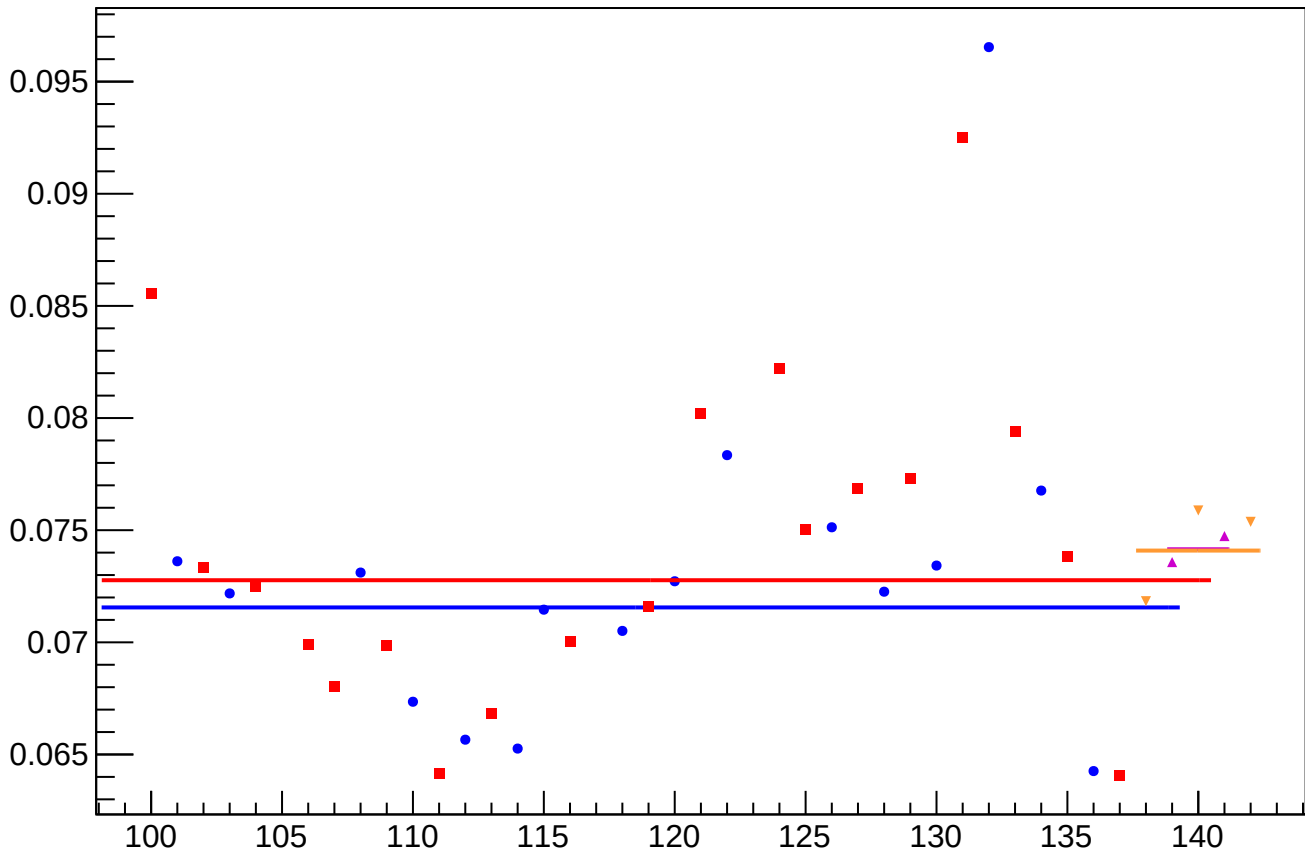
Left In: -1.596+/-0.000 χ^2/NDF : 281816024.1/1

+ sign -1.130+/-0.000 χ^2/NDF : 3066978725.7/18

All: -1.247+/-0.000 χ^2/NDF : 5265065117.9/3

- sign -1.369+/-0.000 χ^2/NDF : 2149253947.9/20

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF : 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF :2653.1/2

Right Out: 0.073+/-0.000 χ^2/NDF : 96874.2/18

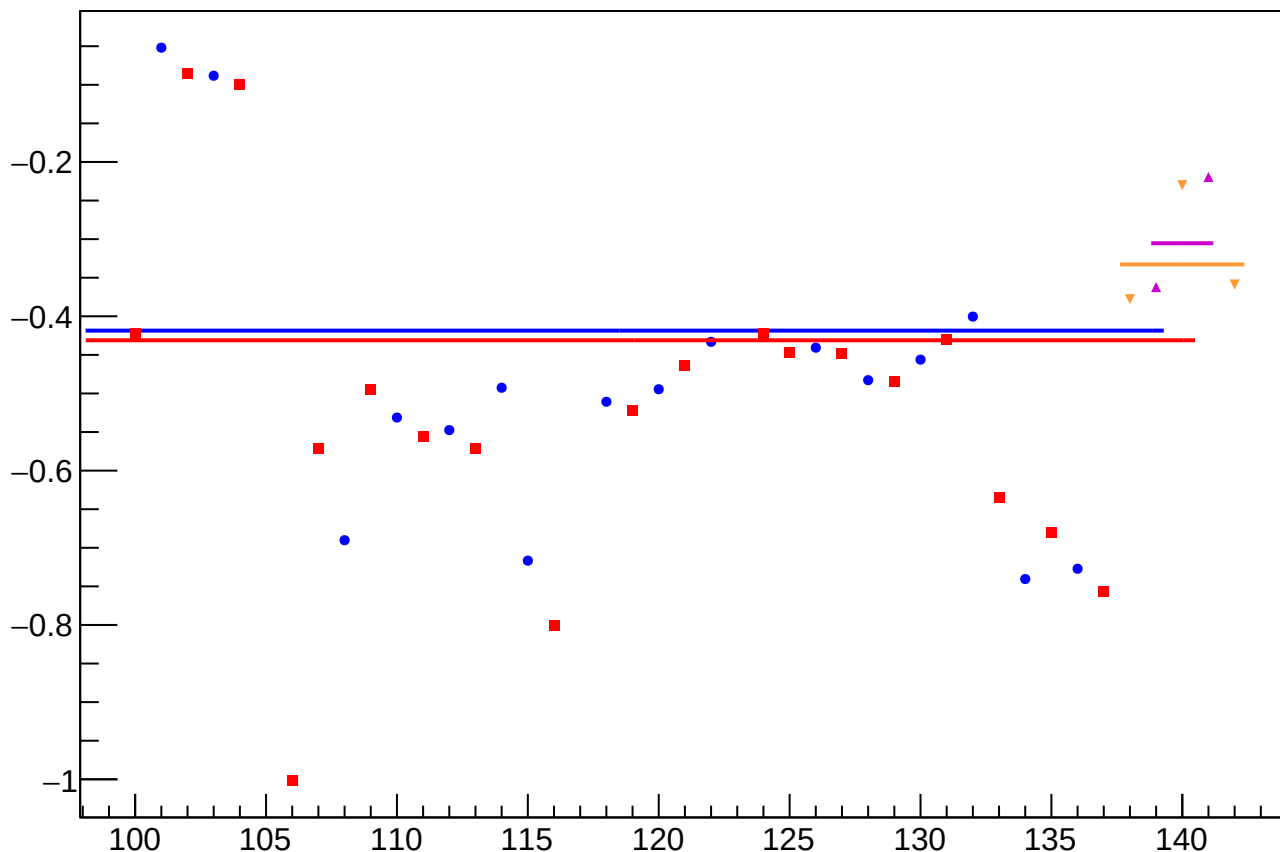
Left In: 0.074+/-0.000 χ^2/NDF :206.5/1

+ sign 0.072+/-0.000 χ^2/NDF : 107567.6/18

All: 0.073+/-0.000 χ^2/NDF : 207098.2/39

- sign 0.073+/-0.000 χ^2/NDF : 98036.9/20

yield_bpm0r03Y_mean vs Slug



Right In: -0.419+/-0.000 χ^2/NDF : 3072147227.9/15

Left Out: -0.333+/-0.000 χ^2/NDF : 129043835.2/2

Right Out: -0.431+/-0.000 χ^2/NDF : 3196655095.4/18

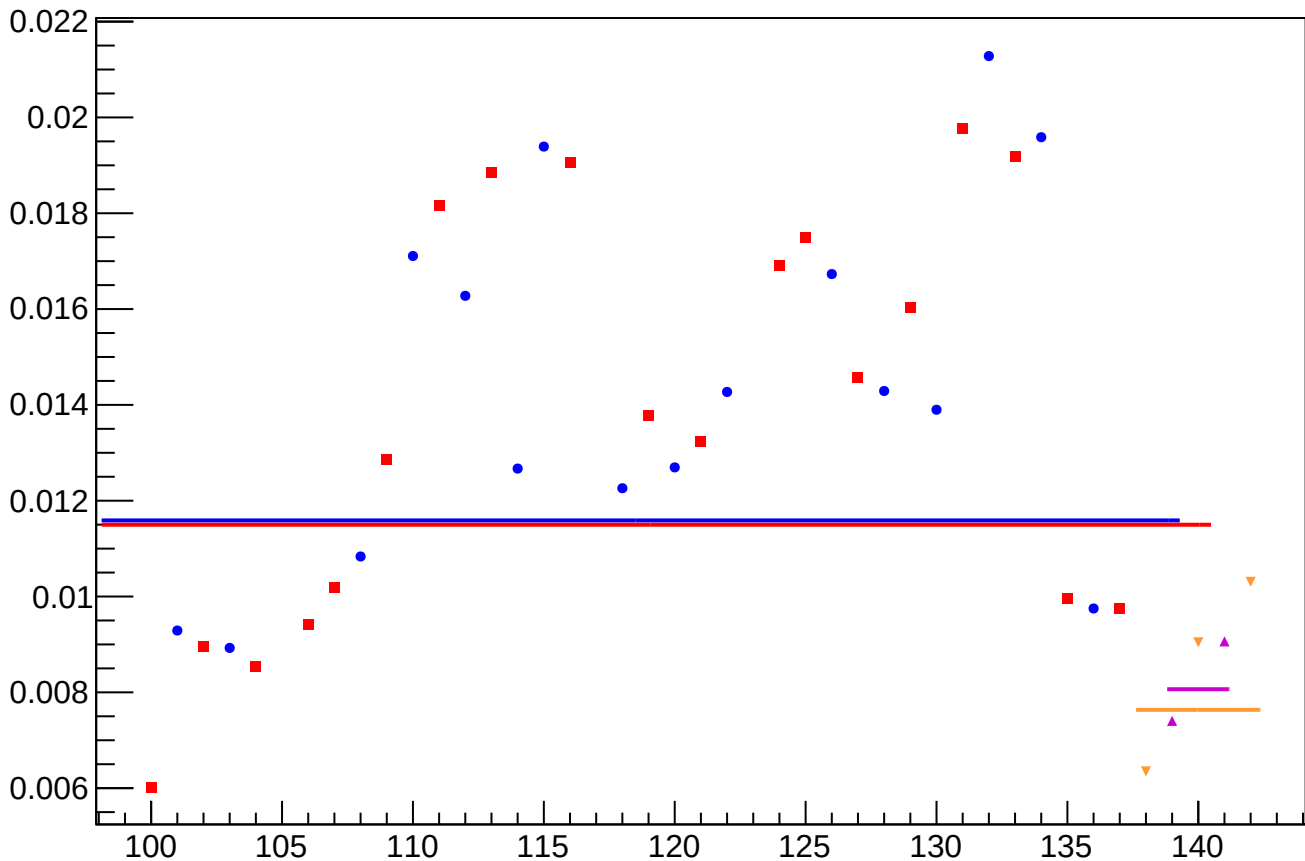
Left In: -0.305+/-0.000 χ^2/NDF : 114822001.5/1

+ sign -0.384+/-0.000 χ^2/NDF : 3332776535.9/18

All: -0.386+/-0.000 χ^2/NDF : 6890384870.5/3

- sign -0.388+/-0.000 χ^2/NDF : 3556994125.5/20

yield_bpm0r03Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 786260.7/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:146793.6/2

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1164657.0/18

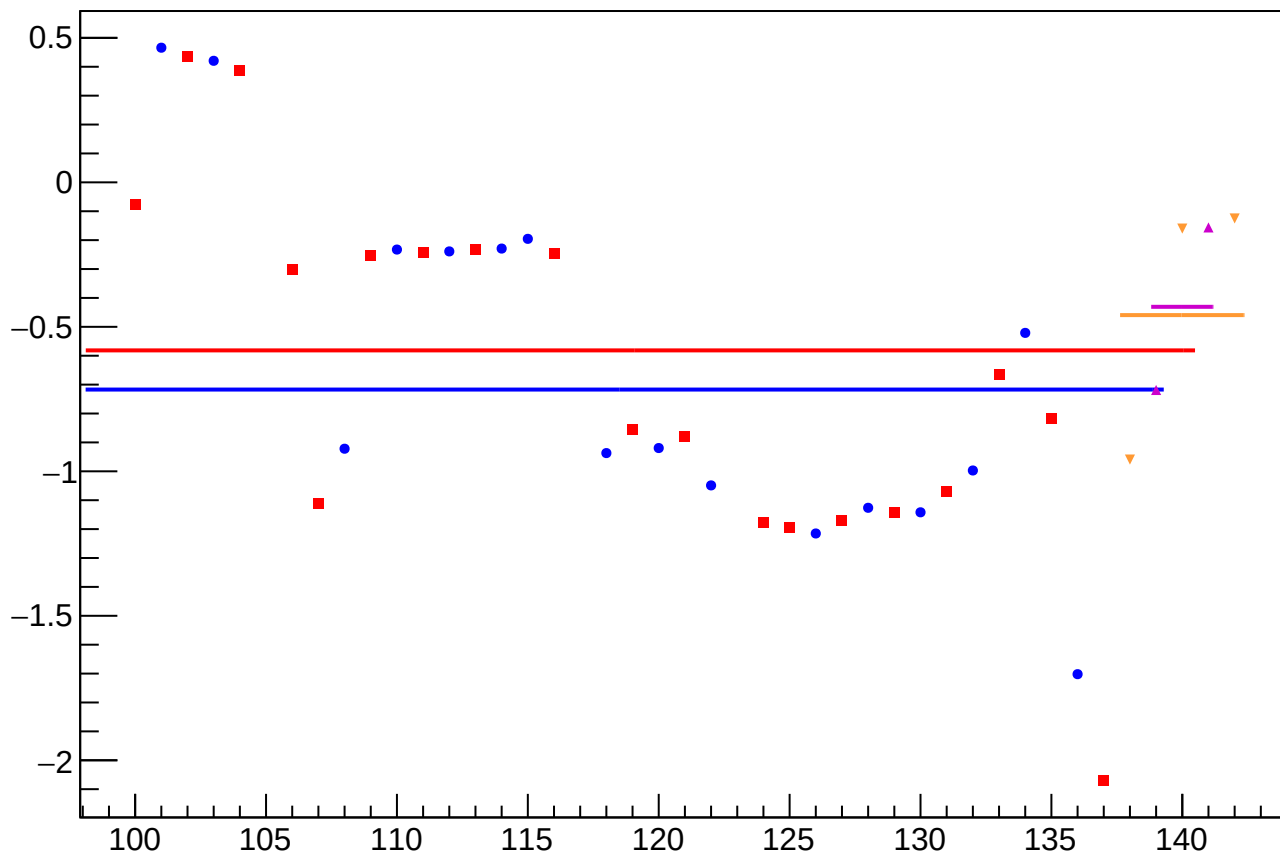
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:31093.0/1

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1491782.2/18

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 3061160.8/39

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1561617.0/20

yield_bpm0r05X_mean vs Slug



Right In: -0.717 ± 0.000 $\chi^2/\text{NDF}: 437423792.4/15$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 46172123.6/2$

Right Out: -0.582 ± 0.000 $\chi^2/\text{NDF}: 342062039.8/18$

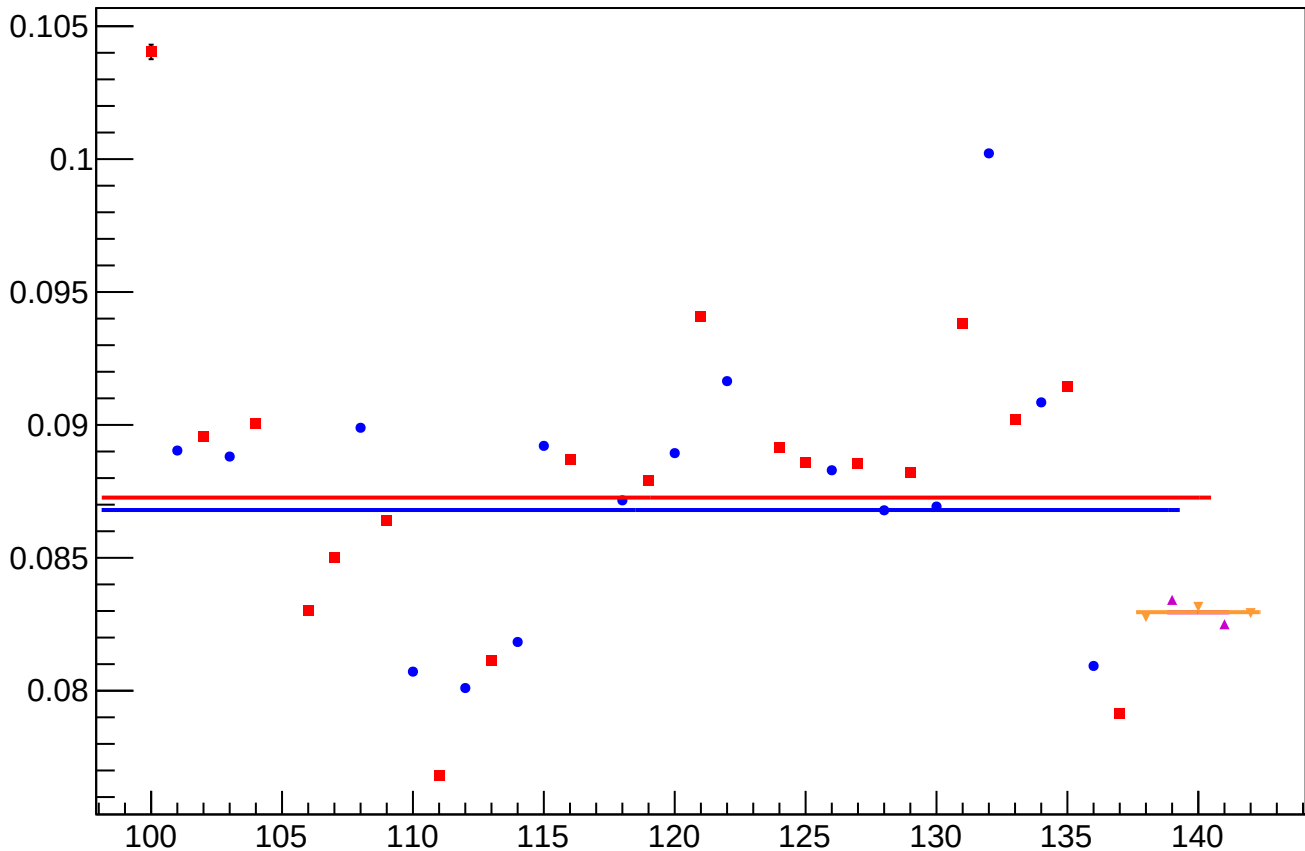
Left In: -0.431 ± 0.000 $\chi^2/\text{NDF}: 19661517.7/1$

+ sign -0.656 ± 0.000 $\chi^2/\text{NDF}: 498587963.2/18$

All: -0.604 ± 0.000 $\chi^2/\text{NDF}: 871641155.8/39$

- sign -0.551 ± 0.000 $\chi^2/\text{NDF}: 366231550.5/20$

yield_bpm0r05X_rms vs Slug



Right In: 0.087 $\pm$ 0.000 χ^2 /NDF: 43575.8/15

Left Out: 0.083 $\pm$ 0.000 χ^2 /NDF:17.4/2

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 46163.9/18

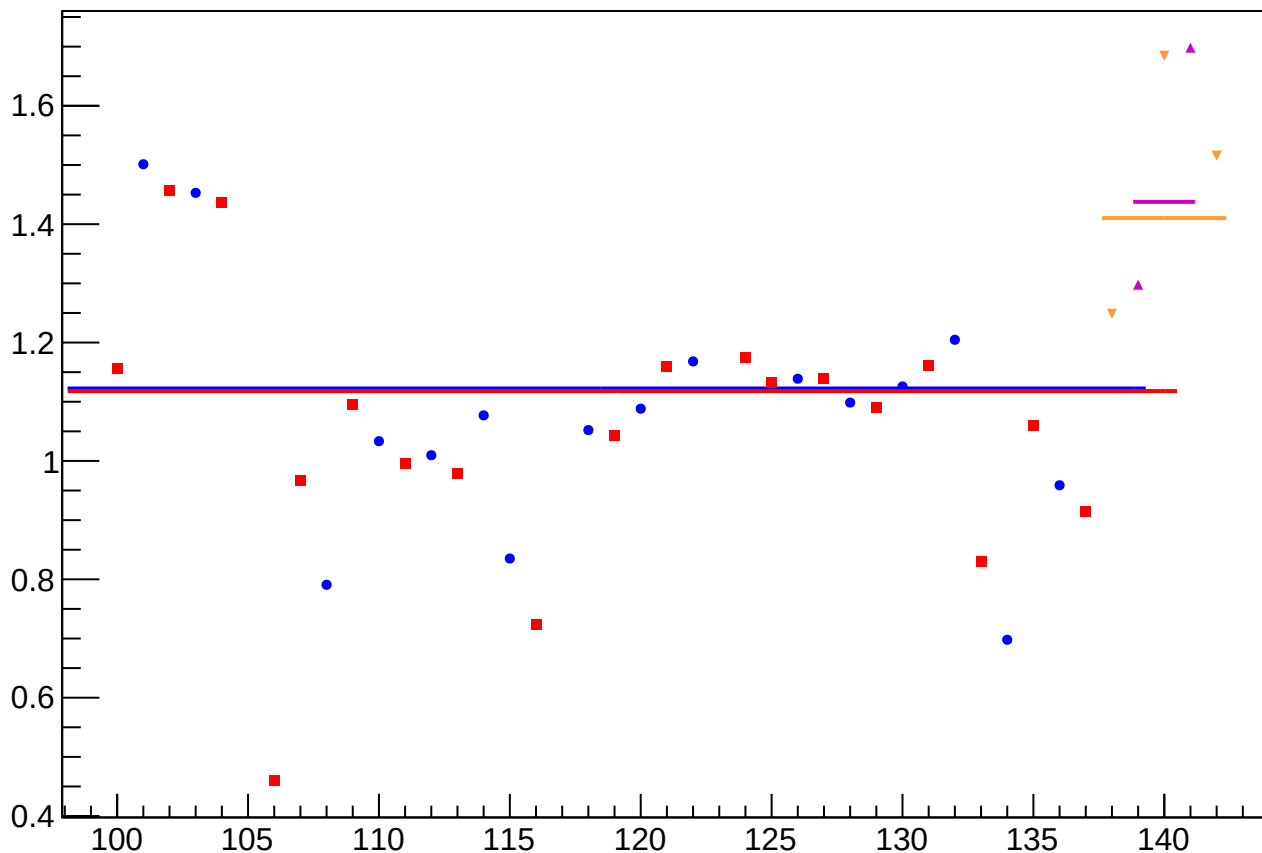
Left In: 0.083 $\pm$ 0.000 χ^2 /NDF:104.7/1

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 50262.9/18

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 104233.1/39

- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 53656.5/20

yield_bpm0r05Y_mean vs Slug



Right In: 1.122 $\pm$ 0.000 χ^2 /NDF: 1454303379.1/15

Left Out: 1.410 $\pm$ 0.000 χ^2 /NDF: 840199671.6/2

Right Out: 1.118 $\pm$ 0.000 χ^2 /NDF: 1570269350.9/18

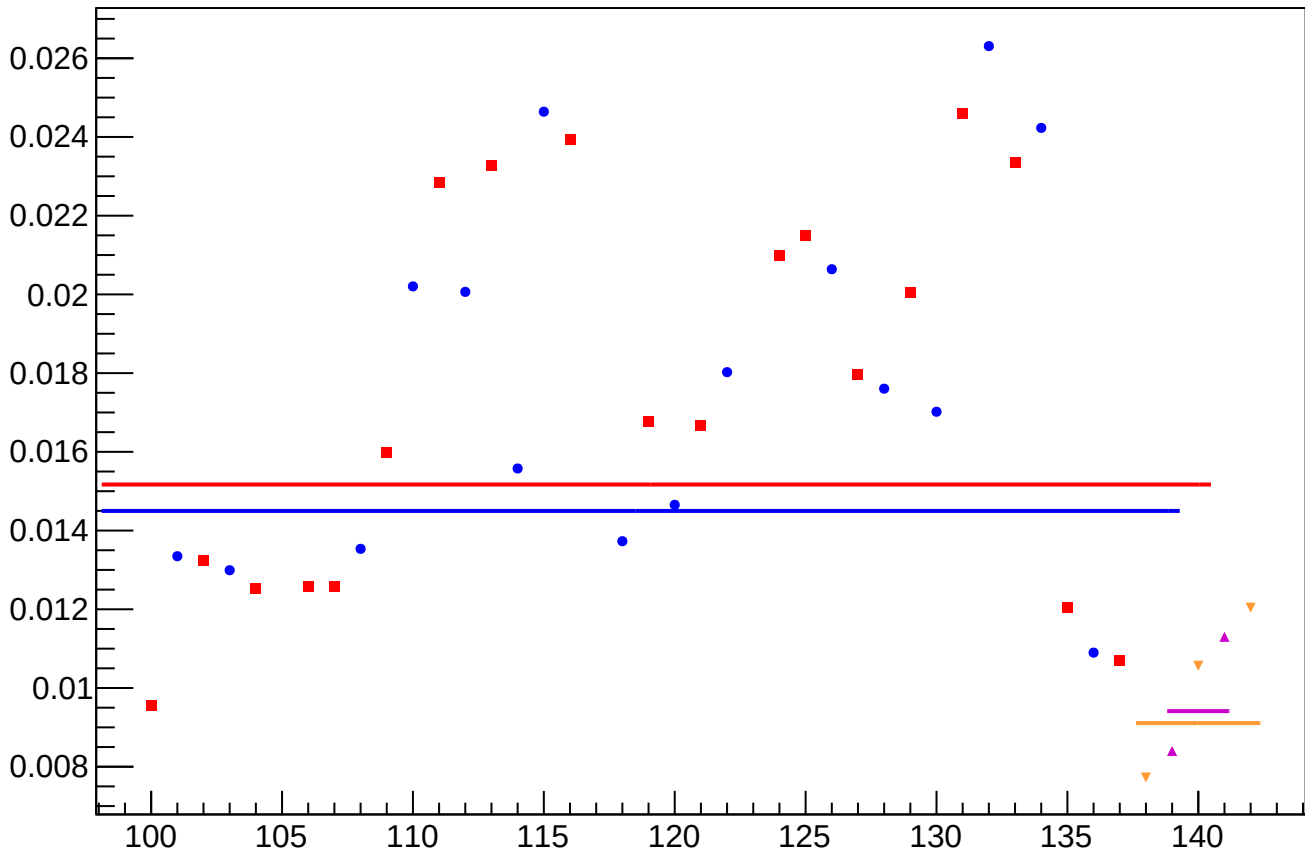
Left In: 1.438 $\pm$ 0.000 χ^2 /NDF: 631398872.8/1

+ sign 1.247 $\pm$ 0.000 χ^2 /NDF: 3316865837.0/18

All: 1.246 $\pm$ 0.000 χ^2 /NDF: 6592463210.5/39

- sign 1.244 $\pm$ 0.000 χ^2 /NDF: 3275331796.7/20

yield_bpm0r05Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 710345.3/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:123475.9/2

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 864637.6/18

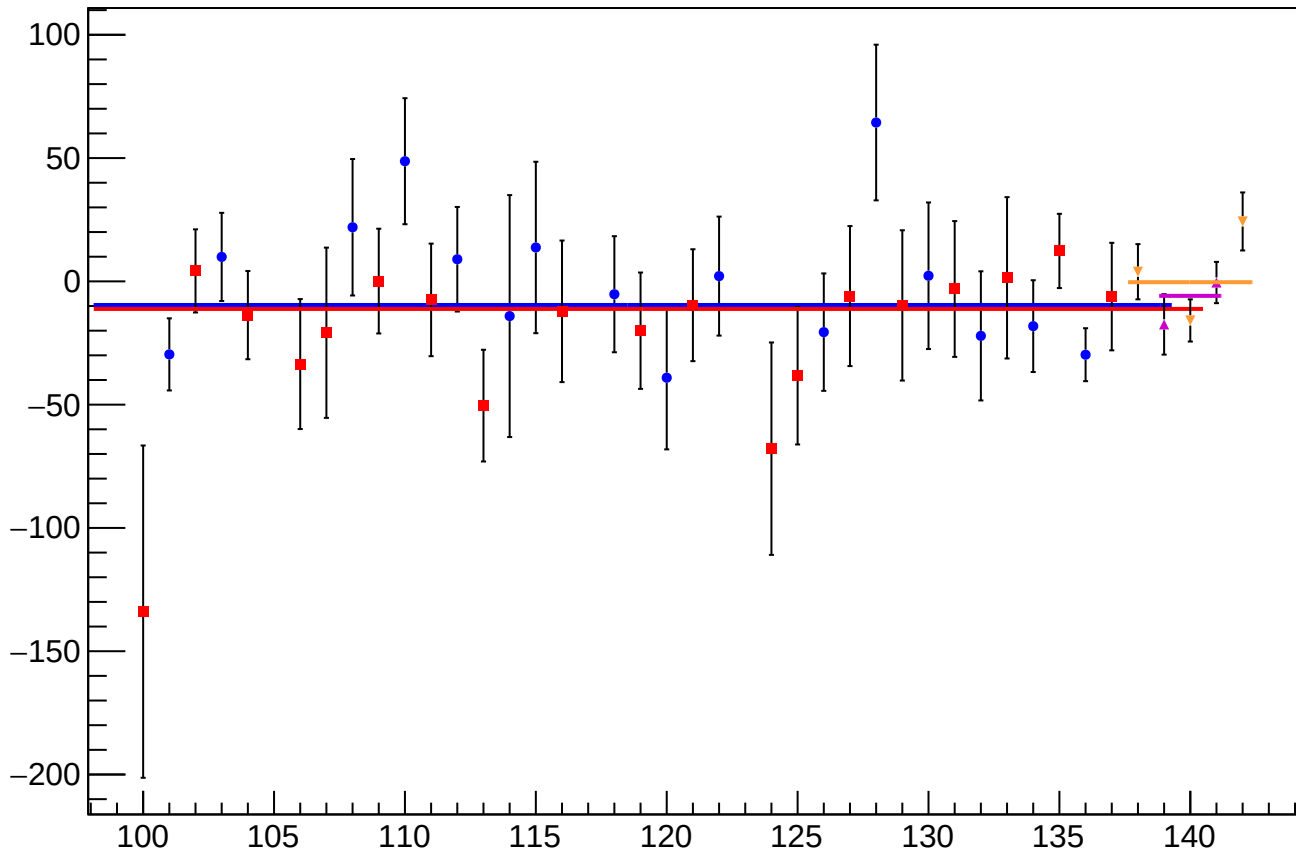
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:66343.8/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1550519.0/18

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3203535.8/39

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1627140.4/20

diff_bpm4aX_mean vs Slug



Right In: -9.581 ± 5.291 χ^2/NDF : 21.9/15

Left Out: -0.338 ± 5.887 χ^2/NDF : 7.8/2

Right Out: -11.177 ± 5.497 χ^2/NDF : 13.9/18

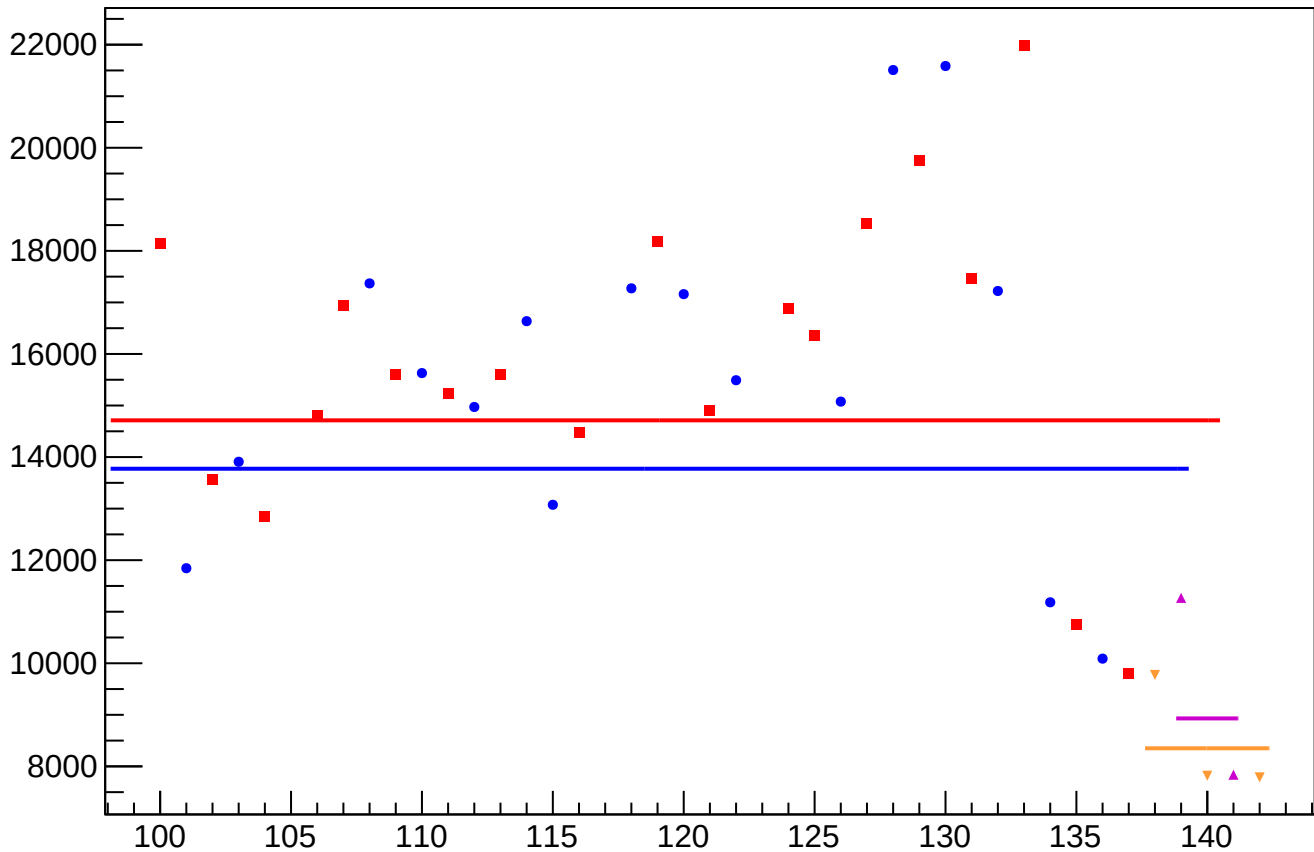
Left In: -5.876 ± 6.912 χ^2/NDF : 1.3/1

+ sign -5.452 ± 3.935 χ^2/NDF : 31.1/18

All: -7.124 ± 2.904 χ^2/NDF : 47.0/39

- sign -9.124 ± 4.302 χ^2/NDF : 15.5/20

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF : 747586.2/15

Left Out: 8350.631+/-4.163 χ^2/NDF : 44633.3/2

+ sign 11350.889+/-2.783 χ^2/NDF : 1731118.8/18

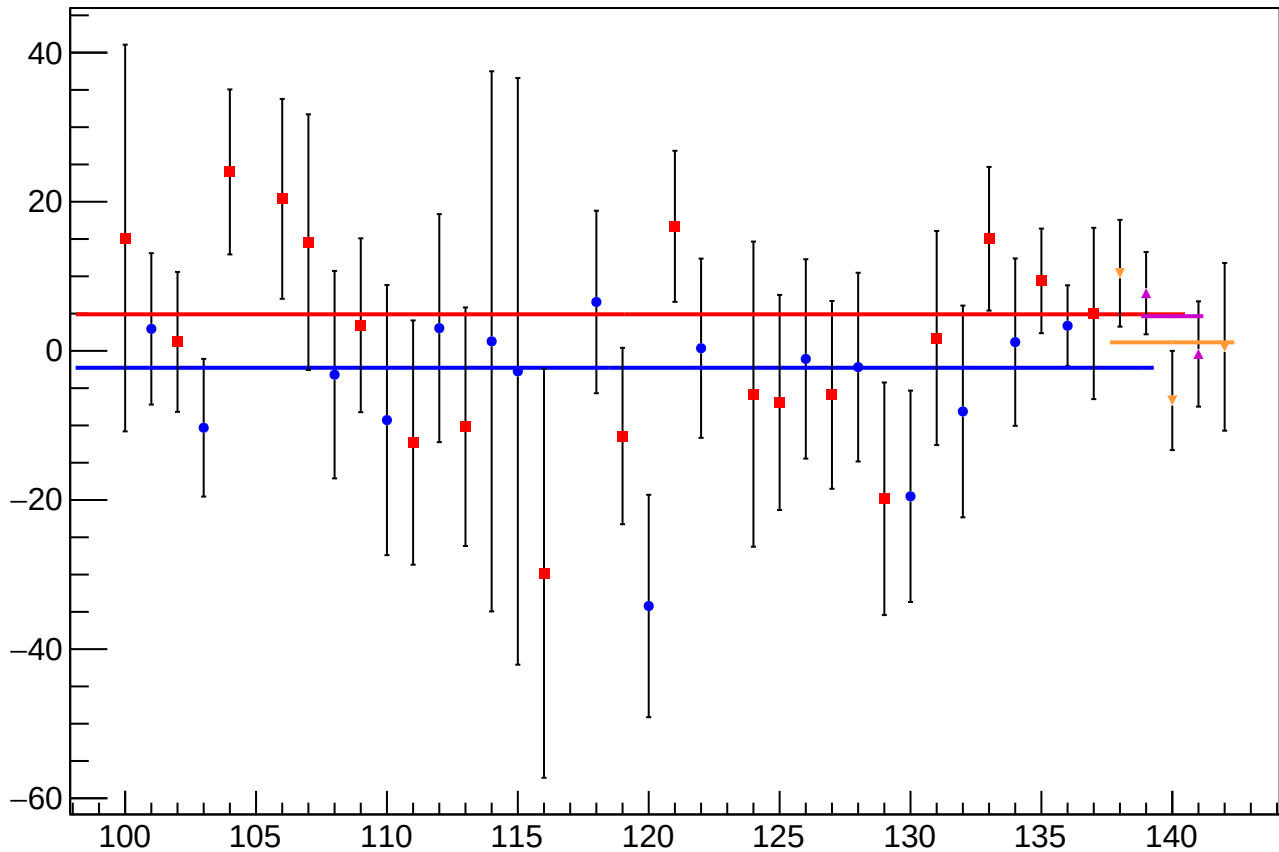
Right Out: 14712.201+/-3.887 χ^2/NDF : 557305.5/18

All: 11861.570+/-2.053 χ^2/NDF : 3326546.3/3

- sign 12472.039+/-3.042 χ^2/NDF : 1521480.5/20

Left In: 8930.034+/-4.888 χ^2/NDF : 106895.9/1

diff_bpm4aY_mean vs Slug



Right In: -2.267 ± 2.922 χ^2/NDF : 9.3/15

Left Out: 1.144 ± 4.473 χ^2/NDF : 3.1/2

Right Out: 4.904 ± 2.836 χ^2/NDF : 17.6/18

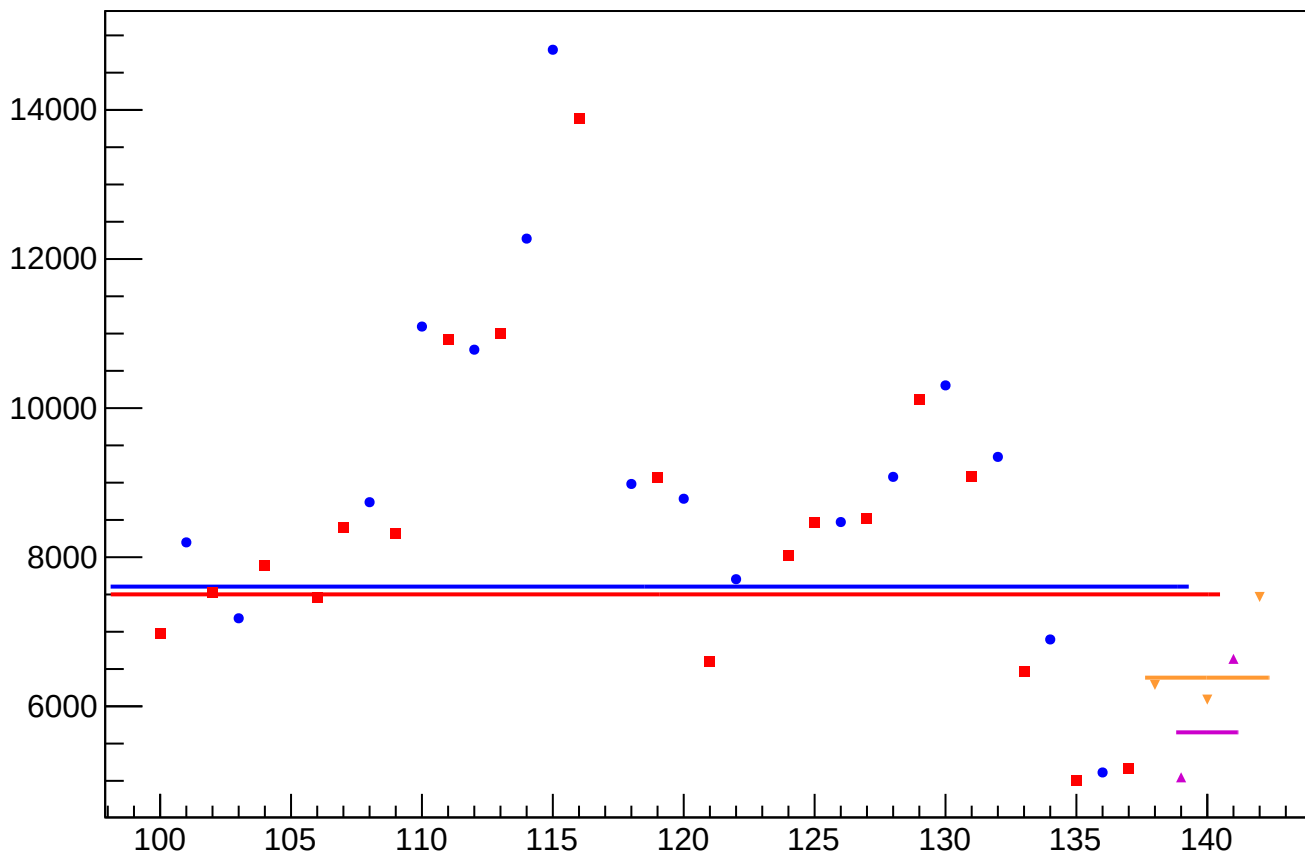
Left In: 4.647 ± 4.349 χ^2/NDF : 0.8/1

+ sign -1.247 ± 2.446 χ^2/NDF : 12.8/18

All: 1.879 ± 1.704 χ^2/NDF : 34.3/39

- sign 4.827 ± 2.376 χ^2/NDF : 18.4/20

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF : 891494.3/15

Left Out: 6384.285+/-3.163 χ^2/NDF : 22809.5/2

Right Out: 7501.522+/-2.005 χ^2/NDF : 823557.5/18

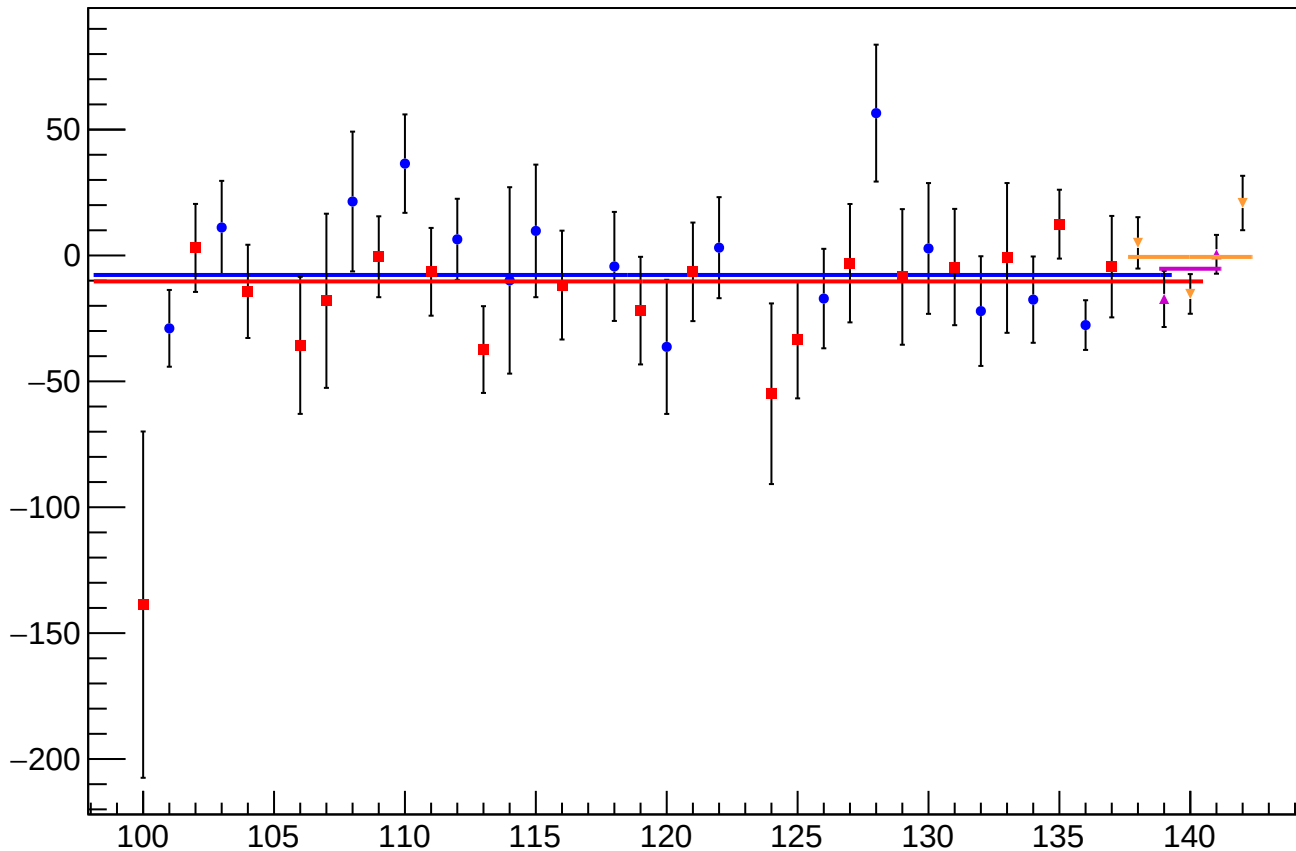
Left In: 5650.626+/-3.075 χ^2/NDF : 62880.2/1

+ sign 7240.324+/-1.730 χ^2/NDF : 1018838.6/18

All: 7090.568+/-1.205 χ^2/NDF : 2173995.5/39

- sign 6949.344+/-1.680 χ^2/NDF : 1140593.0/20

diff_bpm4eX_mean vs Slug



Right In: -7.741 ± 4.748 χ^2/NDF : 22.7/15

Left Out: -0.573 ± 5.401 χ^2/NDF : 7.7/2

Right Out: -10.307 ± 4.840 χ^2/NDF : 13.9/18

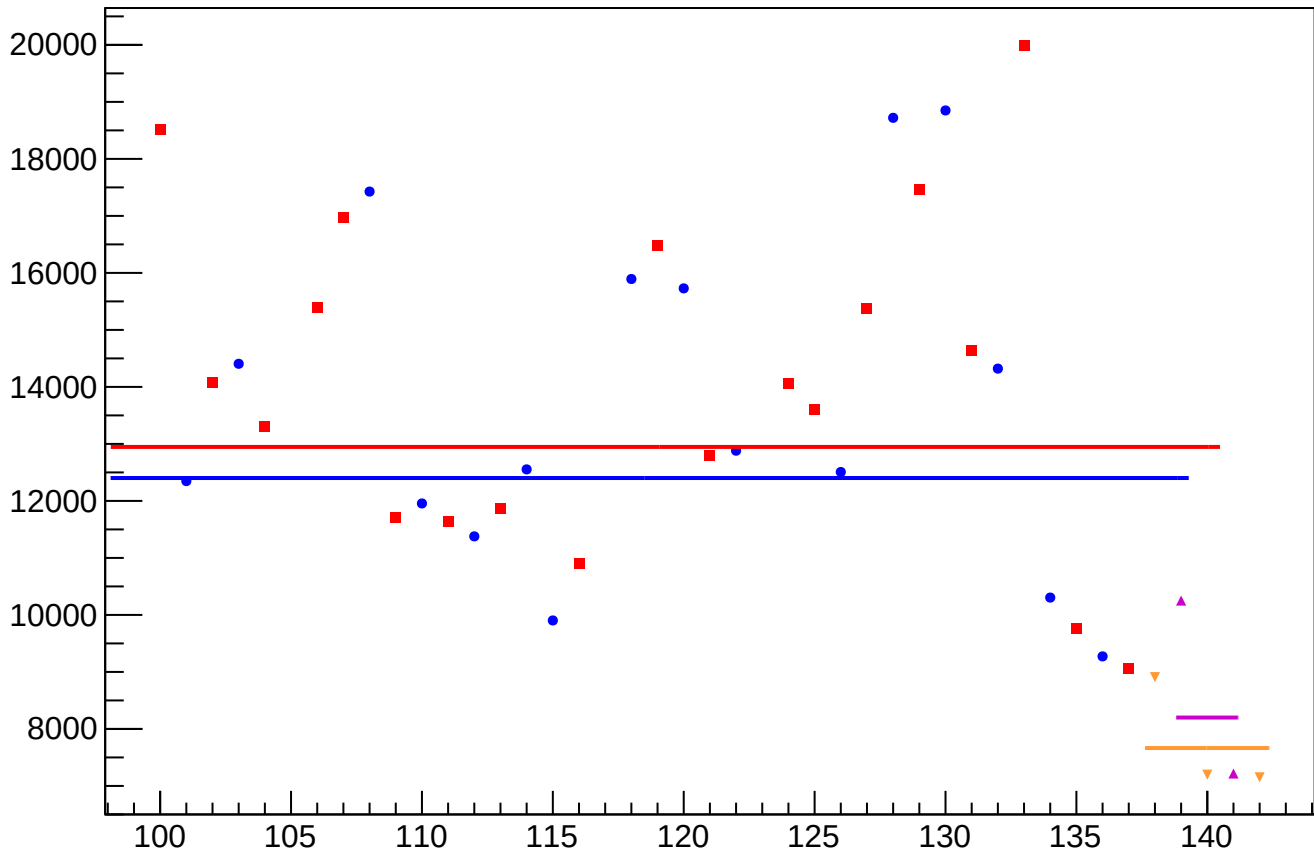
Left In: -5.271 ± 6.340 χ^2/NDF : 1.7/1

+ sign -4.616 ± 3.566 χ^2/NDF : 31.4/18

All: -6.389 ± 2.615 χ^2/NDF : 47.9/39

- sign -8.453 ± 3.847 χ^2/NDF : 16.0/20

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF : 678310.8/15

Left Out: 7664.901+/-3.819 χ^2/NDF : 41281.7/2

Right Out: 12947.255+/-3.422 χ^2/NDF : 555198.3/18

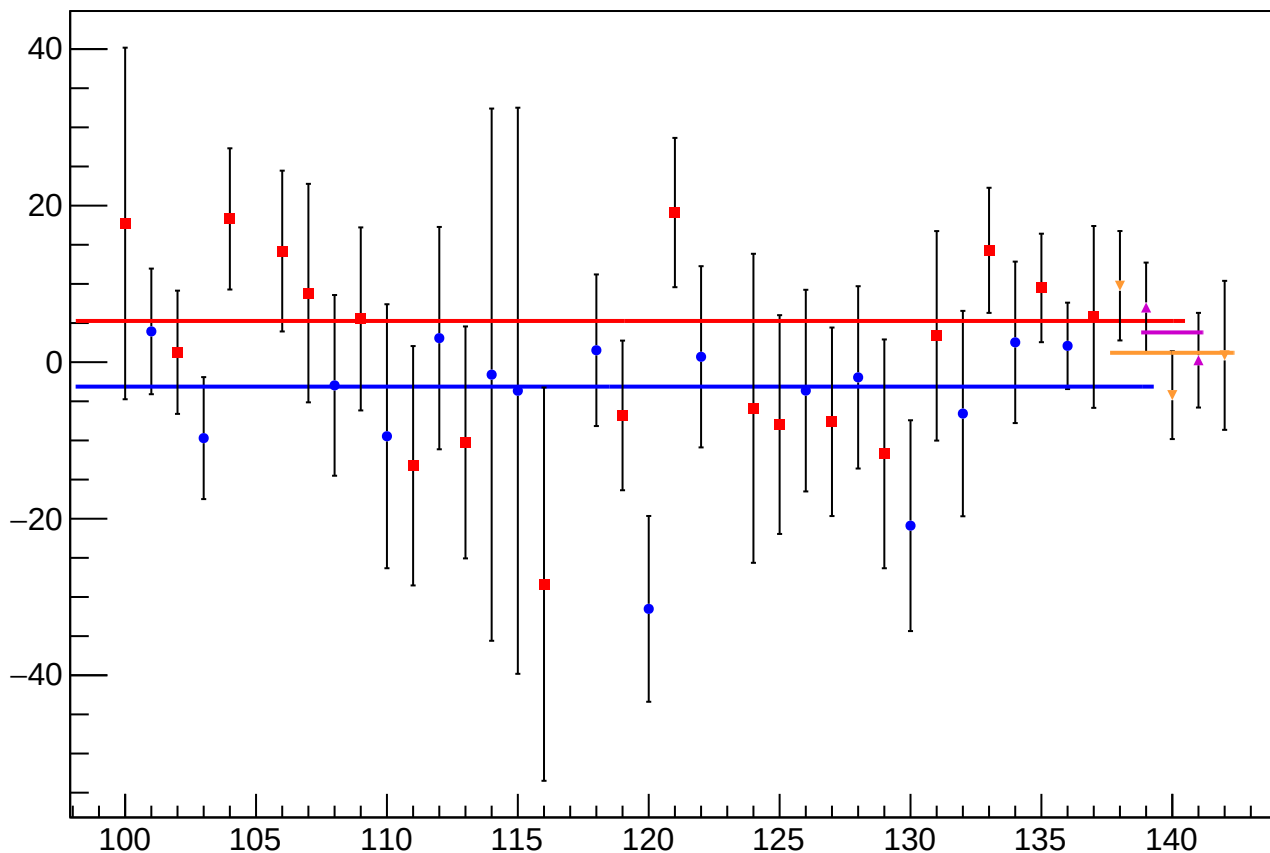
Left In: 8199.658+/-4.483 χ^2/NDF : 100213.4/1

+ sign 10336.577+/-2.521 χ^2/NDF : 1587414.4/18

All: 10735.330+/-1.849 χ^2/NDF : 3005478.2/3

- sign 11199.433+/-2.720 χ^2/NDF : 1363947.4/20

diff_bpm4eY_mean vs Slug



Right In: -3.123 ± 2.656 χ^2/NDF : 10.9/15

Left Out: 1.198 ± 3.976 χ^2/NDF : 2.4/2

Right Out: 5.265 ± 2.553 χ^2/NDF : 16.9/18

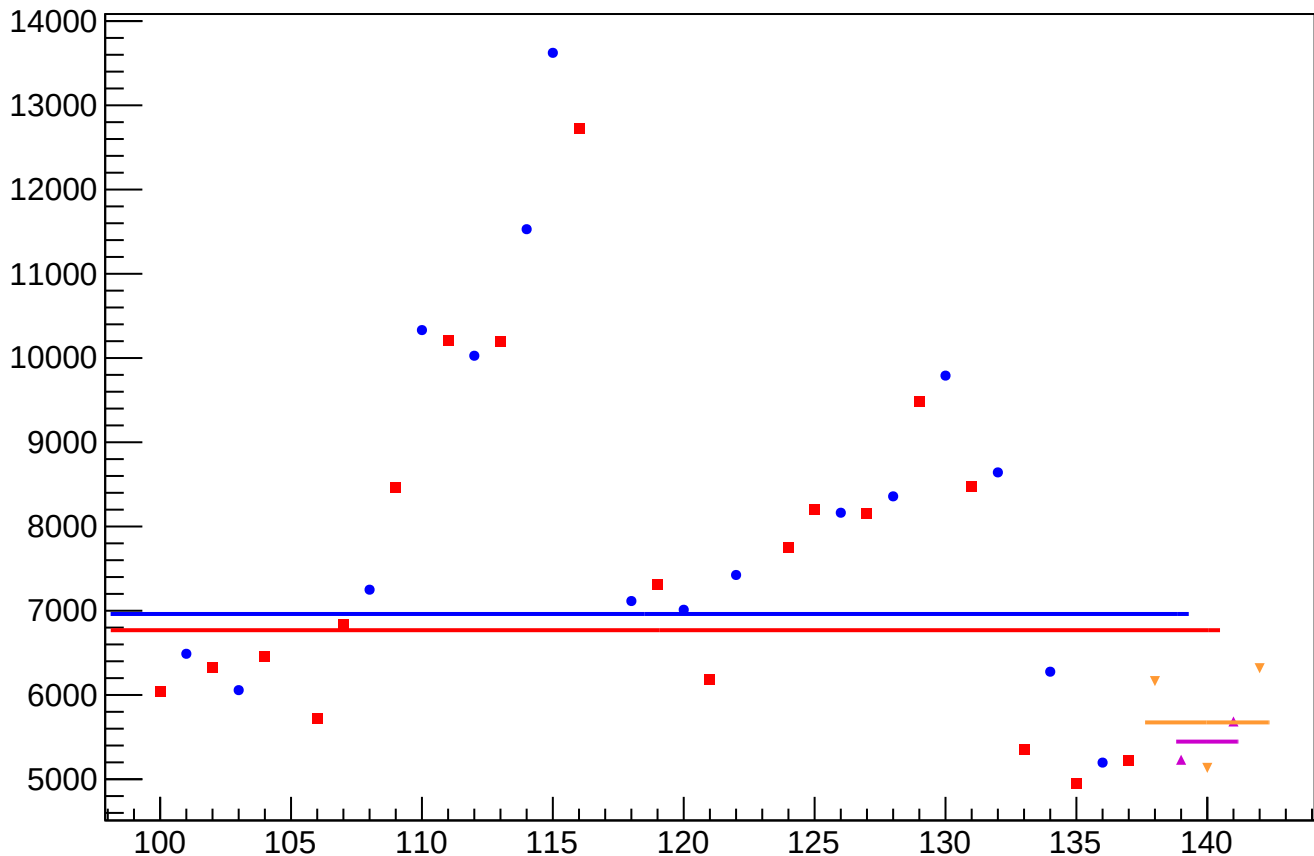
Left In: 3.800 ± 4.161 χ^2/NDF : 0.7/1

+ sign -1.790 ± 2.208 χ^2/NDF : 14.1/18

All: 1.586 ± 1.550 χ^2/NDF : 36.4/39

- sign 4.864 ± 2.176 χ^2/NDF : 17.7/20

diff_bpm4eY_rms vs Slug



Right In: 6961.606 $\pm$ 1.878 χ^2 /NDF: 696410.4/15

Left Out: 5674.298 $\pm$ 2.811 χ^2 /NDF:37488.3/2

Right Out: 6768.993 $\pm$ 1.805 χ^2 /NDF: 798105.0/18

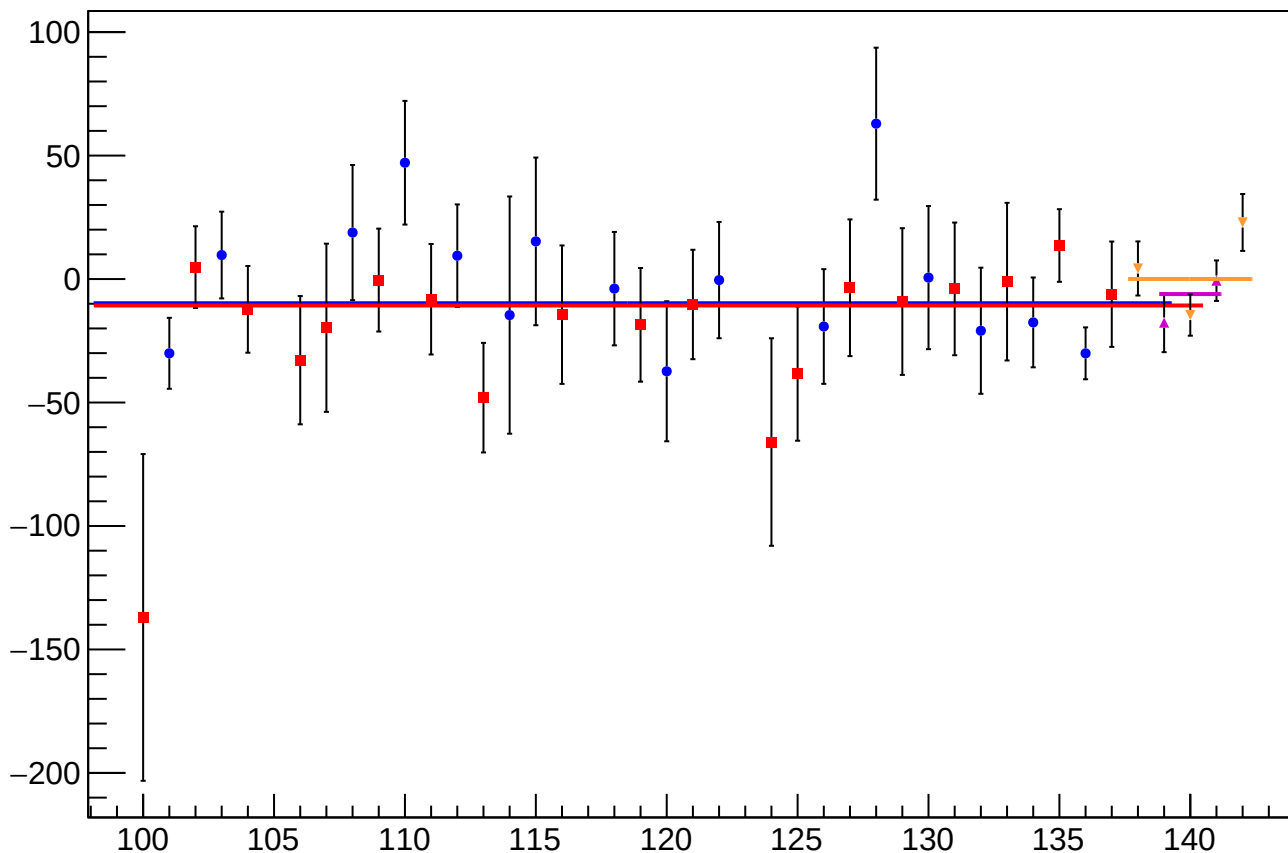
Left In: 5446.335 $\pm$ 2.942 χ^2 /NDF:5949.0/1

+ sign 6564.429 $\pm$ 1.562 χ^2 /NDF: 878892.3/18

All: 6484.678 $\pm$ 1.096 χ^2 /NDF: 1834904.1/39

- sign 6407.237 $\pm$ 1.539 χ^2 /NDF: 950870.4/20

diff_bpm4acX_mean vs Slug



Right In: -9.810 ± 5.178 χ^2/NDF : 22.0/15

Left Out: 0.033 ± 5.762 χ^2/NDF : 7.1/2

Right Out: -10.703 ± 5.381 χ^2/NDF : 14.3/18

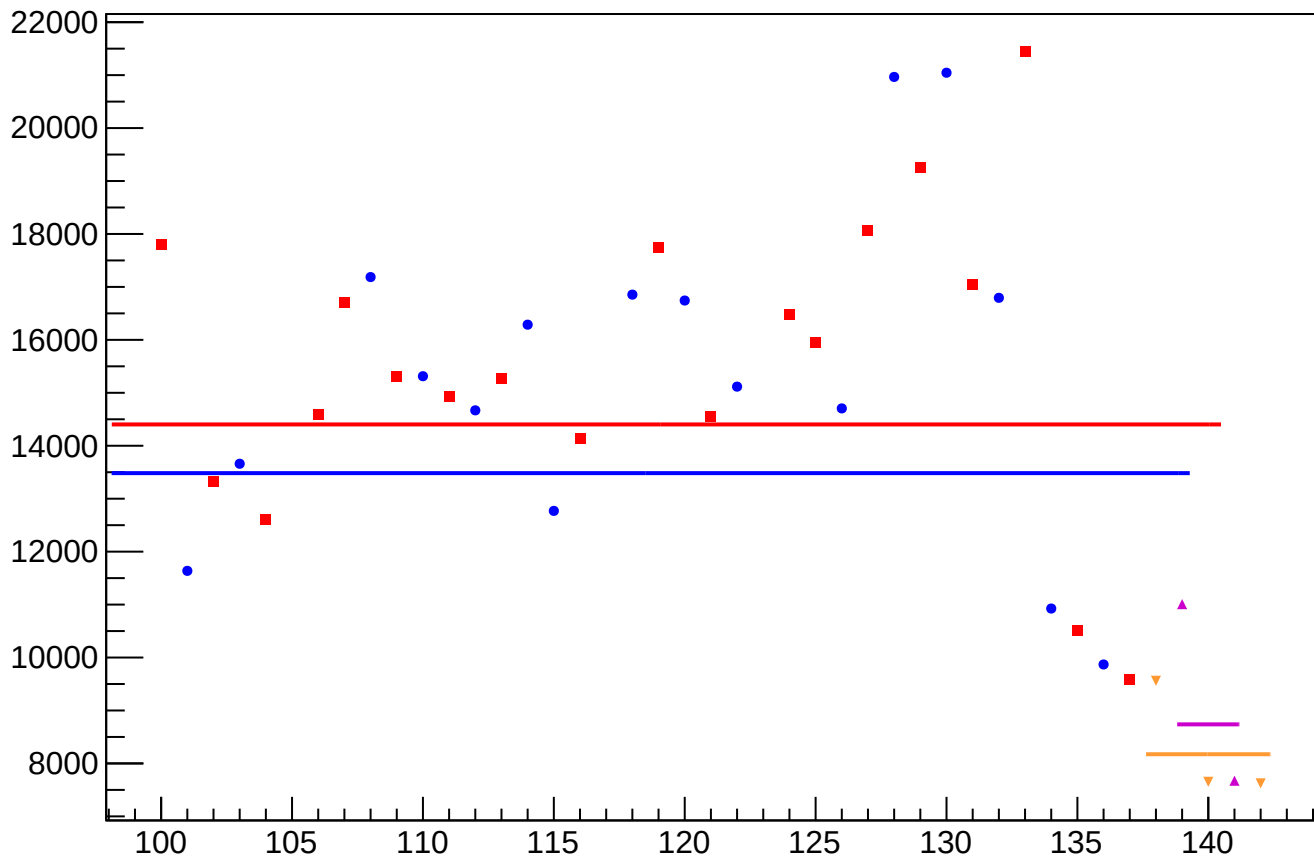
Left In: -6.076 ± 6.762 χ^2/NDF : 1.4/1

+ sign -5.412 ± 3.851 χ^2/NDF : 30.8/18

All: -7.005 ± 2.842 χ^2/NDF : 47.1/39

- sign -8.909 ± 4.210 χ^2/NDF : 16.0/20

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF : 743704.4/15

Left Out: 8173.434+/-4.074 χ^2/NDF : 44362.3/2

Right Out: 14402.670+/-3.805 χ^2/NDF : 552430.0/18

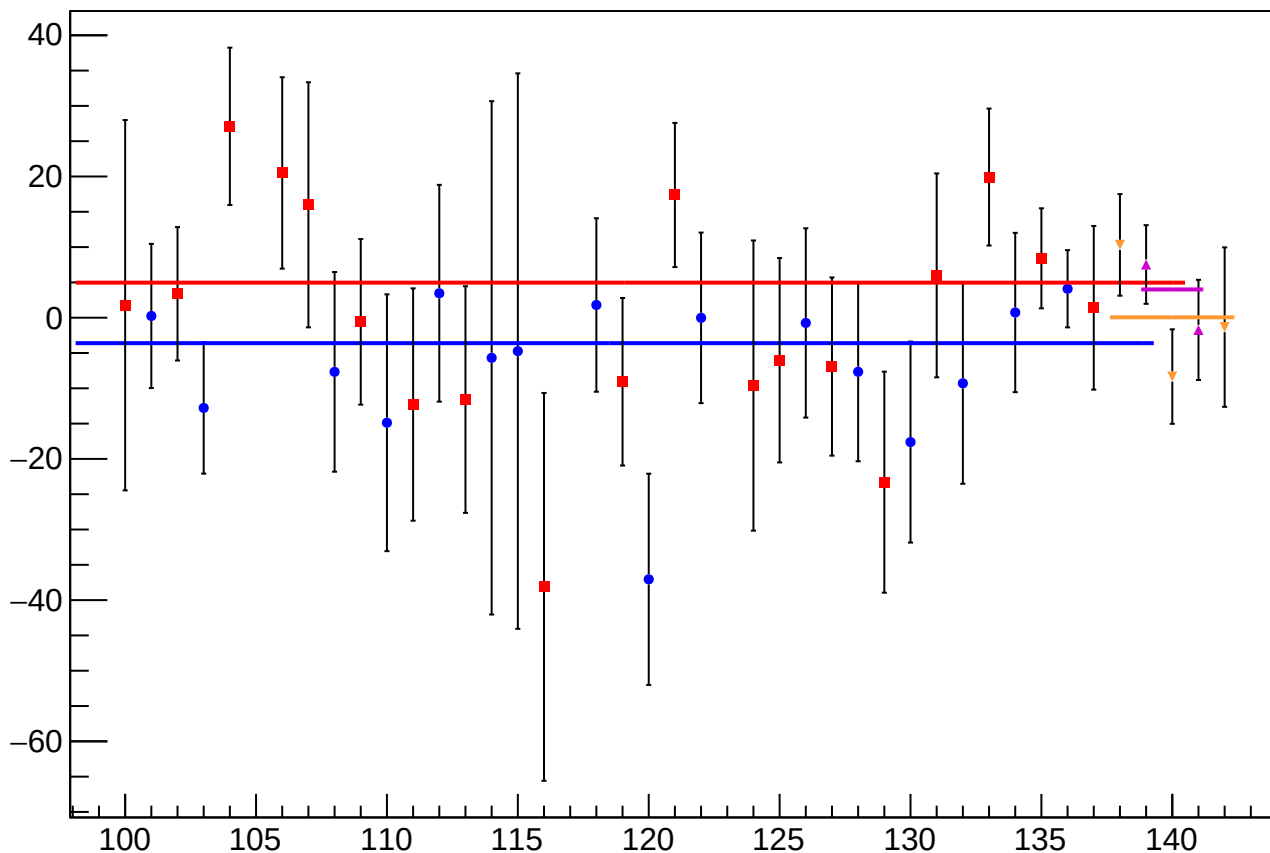
Left In: 8738.001+/-4.782 χ^2/NDF : 105703.5/1

+ sign 11110.565+/-2.723 χ^2/NDF : 1727610.8/18

All: 11609.867+/-2.009 χ^2/NDF : 3318922.4/3

- sign 12206.622+/-2.977 χ^2/NDF : 1517518.1/20

diff_bpm4acY_mean vs Slug



Right In: -3.605 ± 2.940 χ^2/NDF : 10.5/15

Left Out: 0.053 ± 4.496 χ^2/NDF : 3.6/2

Right Out: 4.965 ± 2.855 χ^2/NDF : 21.4/18

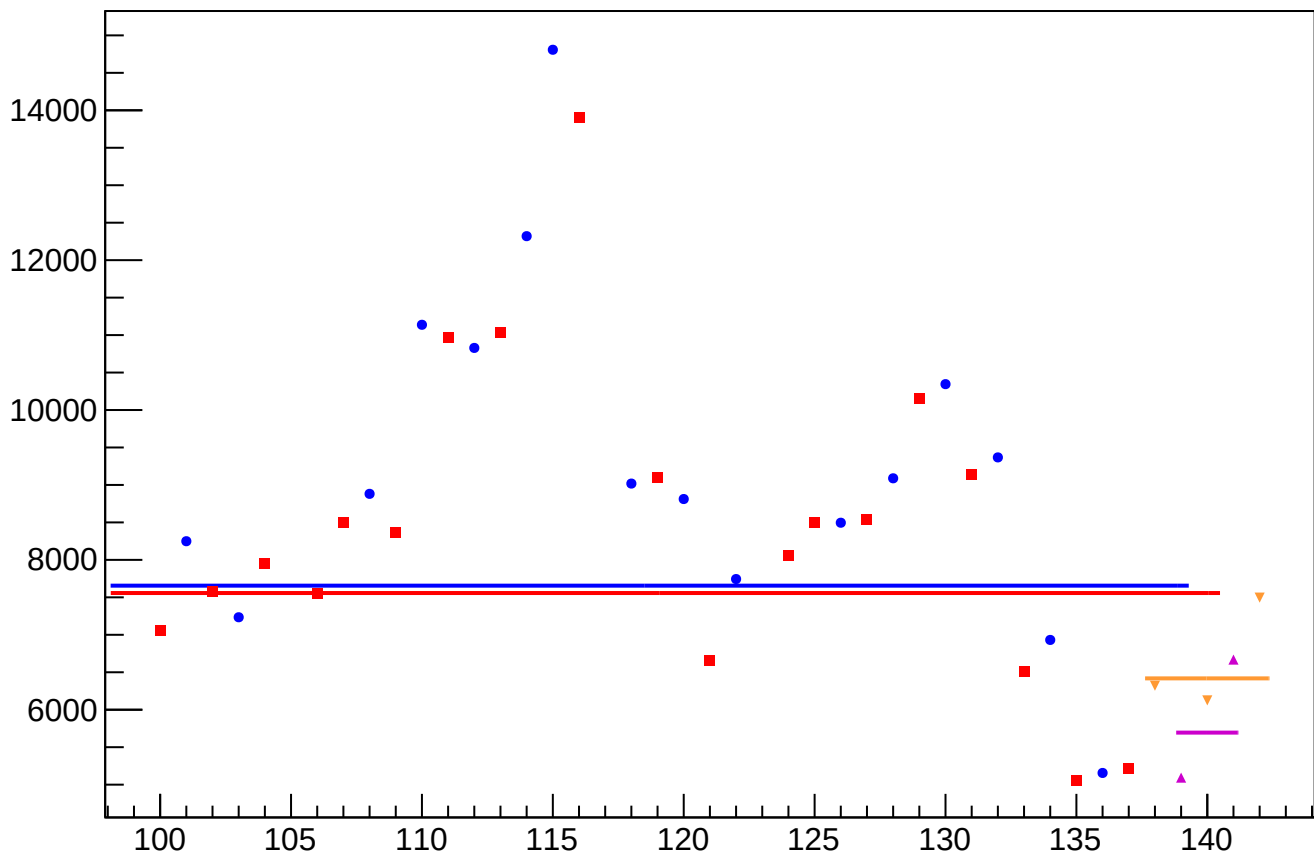
Left In: 4.001 ± 4.381 χ^2/NDF : 1.1/1

+ sign -2.510 ± 2.461 χ^2/NDF : 14.6/18

All: 1.185 ± 1.715 χ^2/NDF : 41.4/39

- sign 4.678 ± 2.392 χ^2/NDF : 22.5/20

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF : 879769.7/15

Left Out: 6418.407+/-3.179 χ^2/NDF : 22441.2/2

Right Out: 7557.497+/-2.019 χ^2/NDF : 809860.3/18

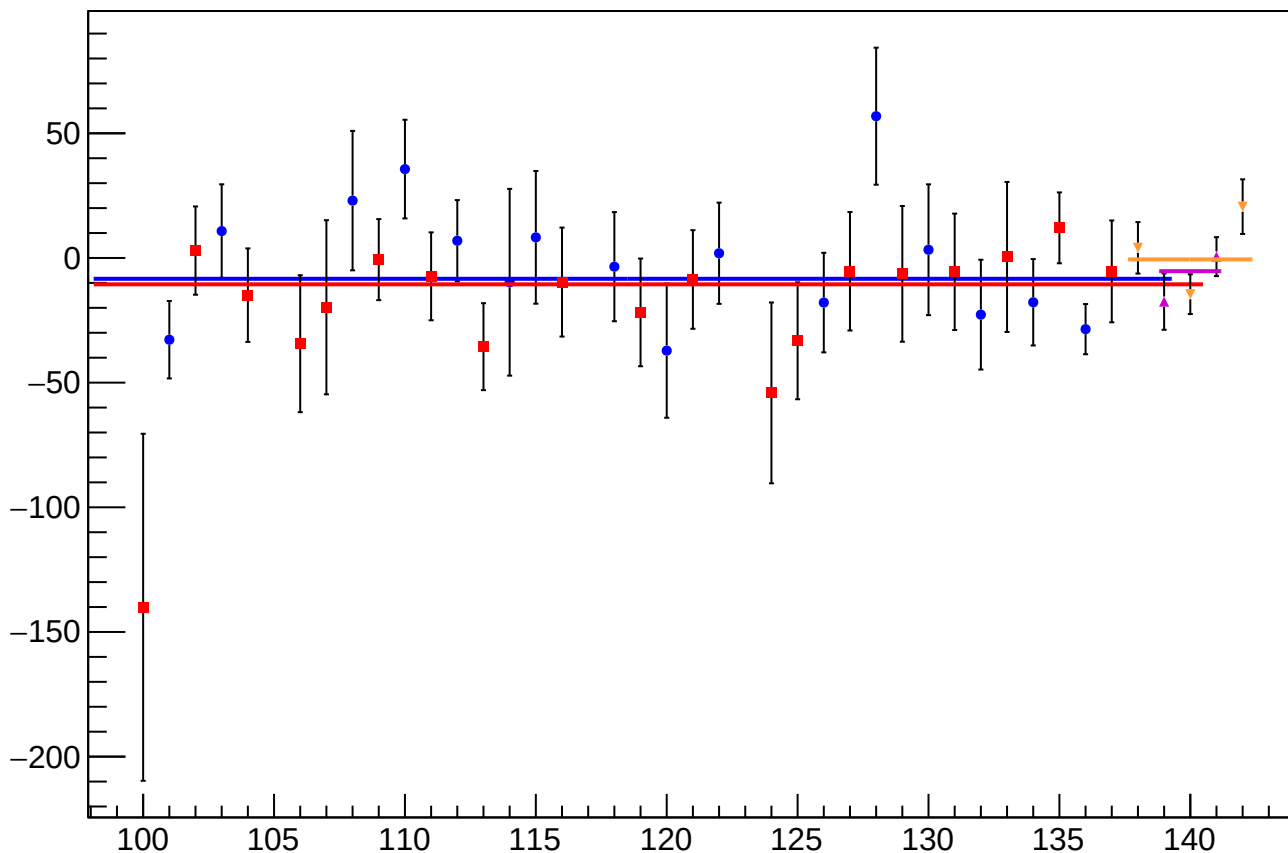
Left In: 5694.543+/-3.098 χ^2/NDF : 61006.1/1

+ sign 7285.206+/-1.740 χ^2/NDF : 1008340.1/18

All: 7139.658+/-1.213 χ^2/NDF : 2146627.3/39

- sign 7002.085+/-1.692 χ^2/NDF : 1124674.6/20

diff_bpm4ecX_mean vs Slug



Right In: -8.352 ± 4.814 χ^2/NDF : 23.2/15

Left Out: -0.575 ± 5.467 χ^2/NDF : 7.0/2

Right Out: -10.573 ± 4.911 χ^2/NDF : 12.9/18

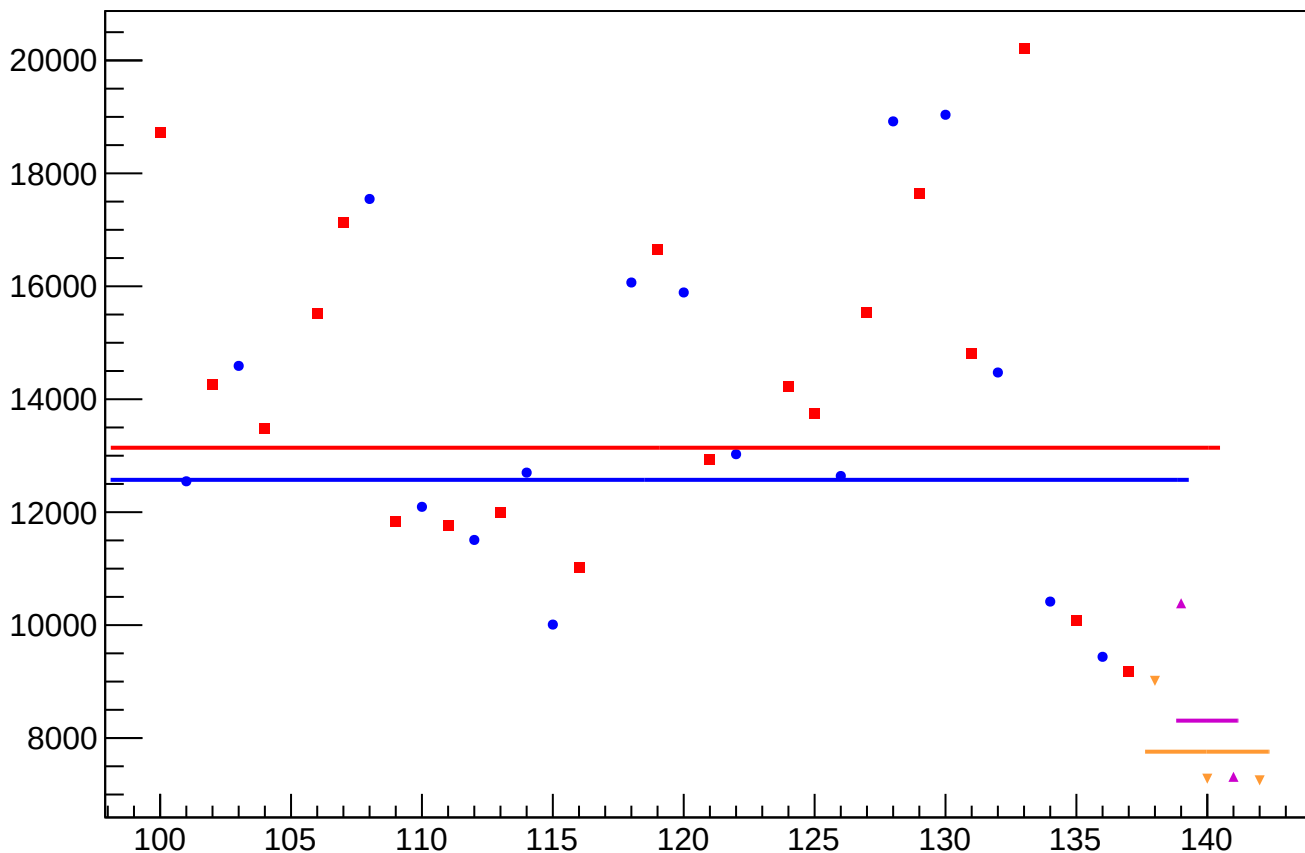
Left In: -5.297 ± 6.424 χ^2/NDF : 1.7/1

+ sign -4.955 ± 3.613 χ^2/NDF : 31.4/18

All: -6.650 ± 2.651 χ^2/NDF : 46.9/39

- sign -8.627 ± 3.902 χ^2/NDF : 15.1/20

diff_bpm4ecX_rms vs Slug



Right In: 12572.586 $\pm$ 3.404 χ^2 /NDF: 665026.8/15

Left Out: 7758.639 $\pm$ 3.865 χ^2 /NDF:41032.6/2

Right Out: 13141.218 $\pm$ 3.473 χ^2 /NDF: 534726.5/18

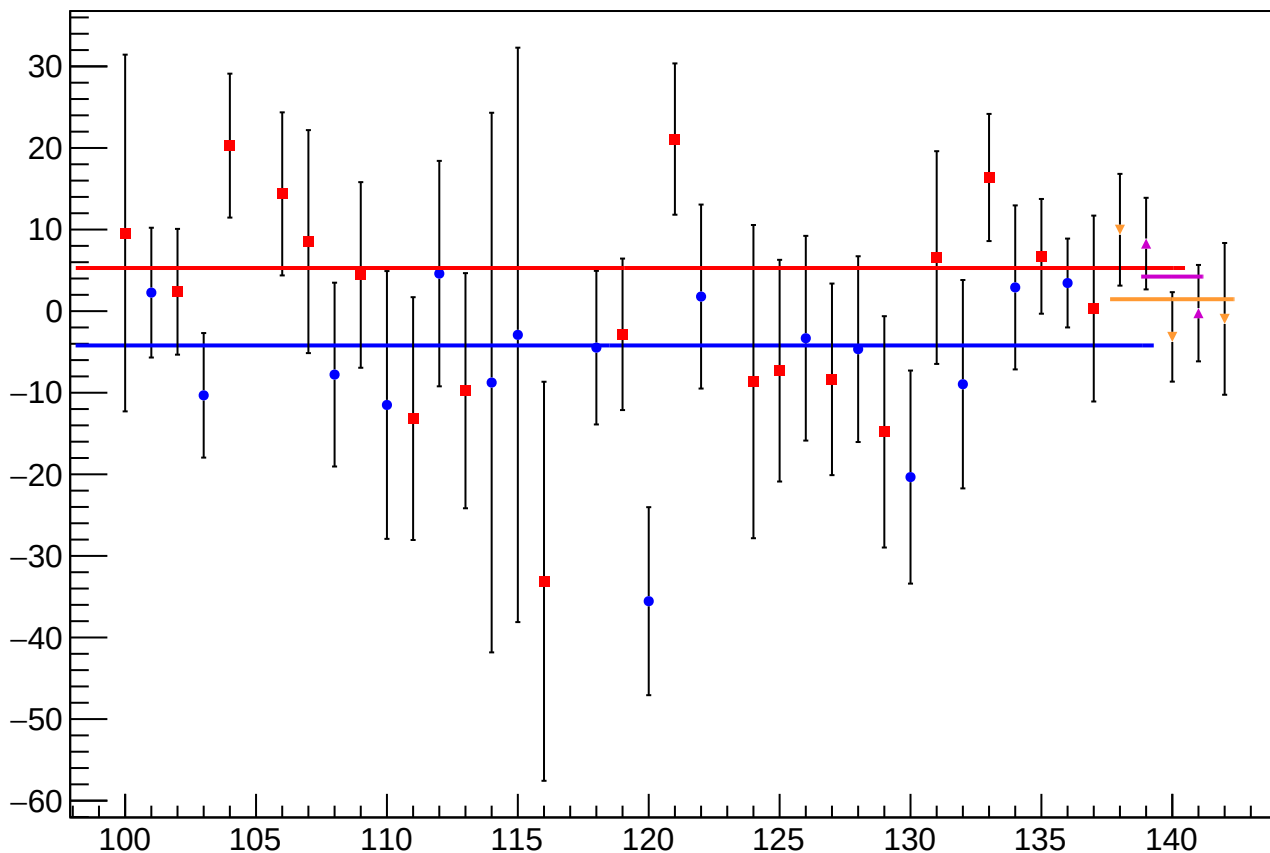
Left In: 8308.236 $\pm$ 4.543 χ^2 /NDF:100167.5/1

+ sign 10470.106 $\pm$ 2.555 χ^2 /NDF: 1579627.7/18

All: 10880.293 $\pm$ 1.874 χ^2 /NDF: 2984810.4/3

- sign 11358.681 $\pm$ 2.759 χ^2 /NDF: 1349331.0/20

diff_bpm4ecY_mean vs Slug



Right In: -4.204 $\pm$ 2.600 χ^2 /NDF: 13.9/15

Left Out: 1.463 $\pm$ 3.888 χ^2 /NDF: 2.3/2

Right Out: 5.288 $\pm$ 2.502 χ^2 /NDF: 19.7/18

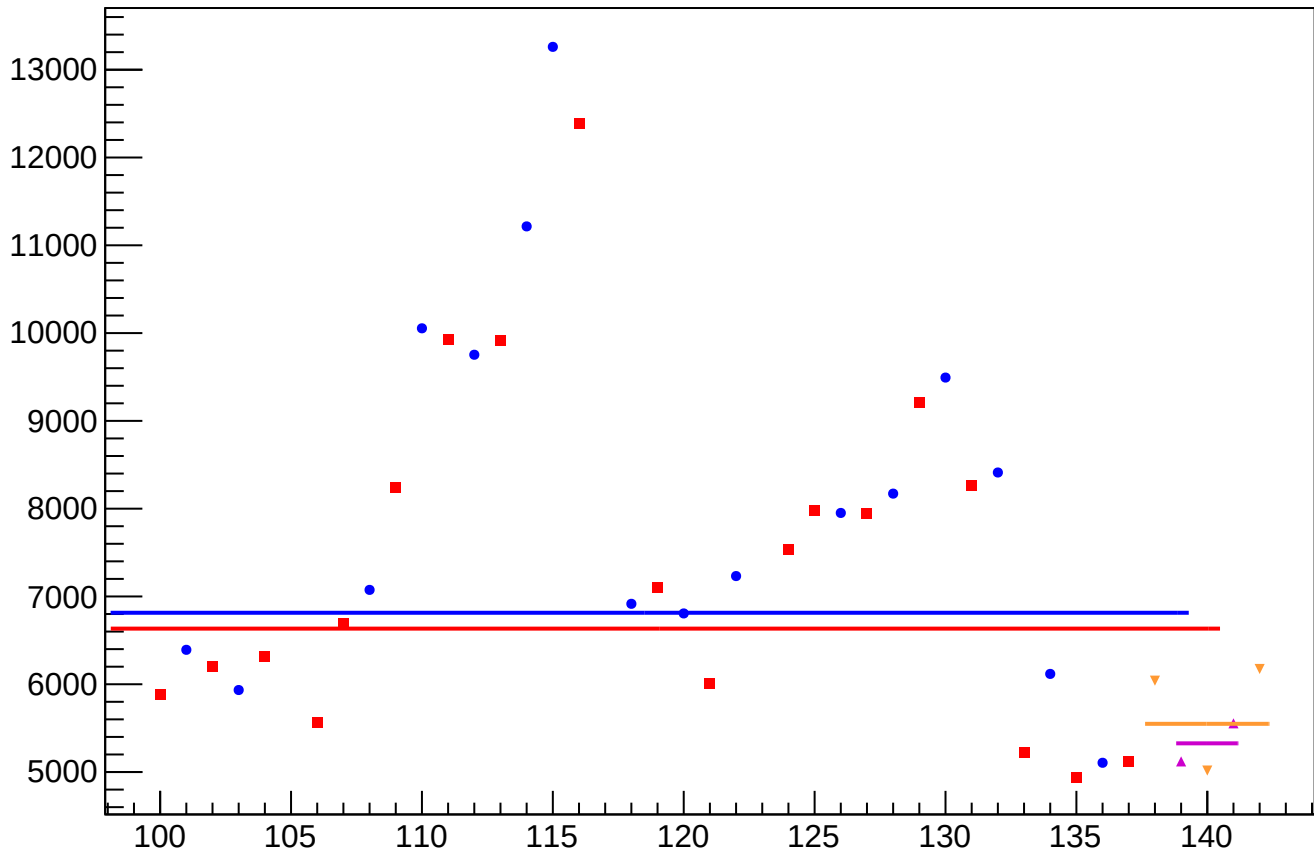
Left In: 4.235 $\pm$ 4.070 χ^2 /NDF: 1.1/1

+ sign -2.453 $\pm$ 2.162 χ^2 /NDF: 17.7/18

All: 1.325 $\pm$ 1.518 χ^2 /NDF: 44.6/39

- sign 4.999 $\pm$ 2.131 χ^2 /NDF: 20.9/20

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF : 674093.4/15

Left Out: 5549.161+/-2.749 χ^2/NDF : 38172.8/2

Right Out: 6633.695+/-1.769 χ^2/NDF : 763347.6/18

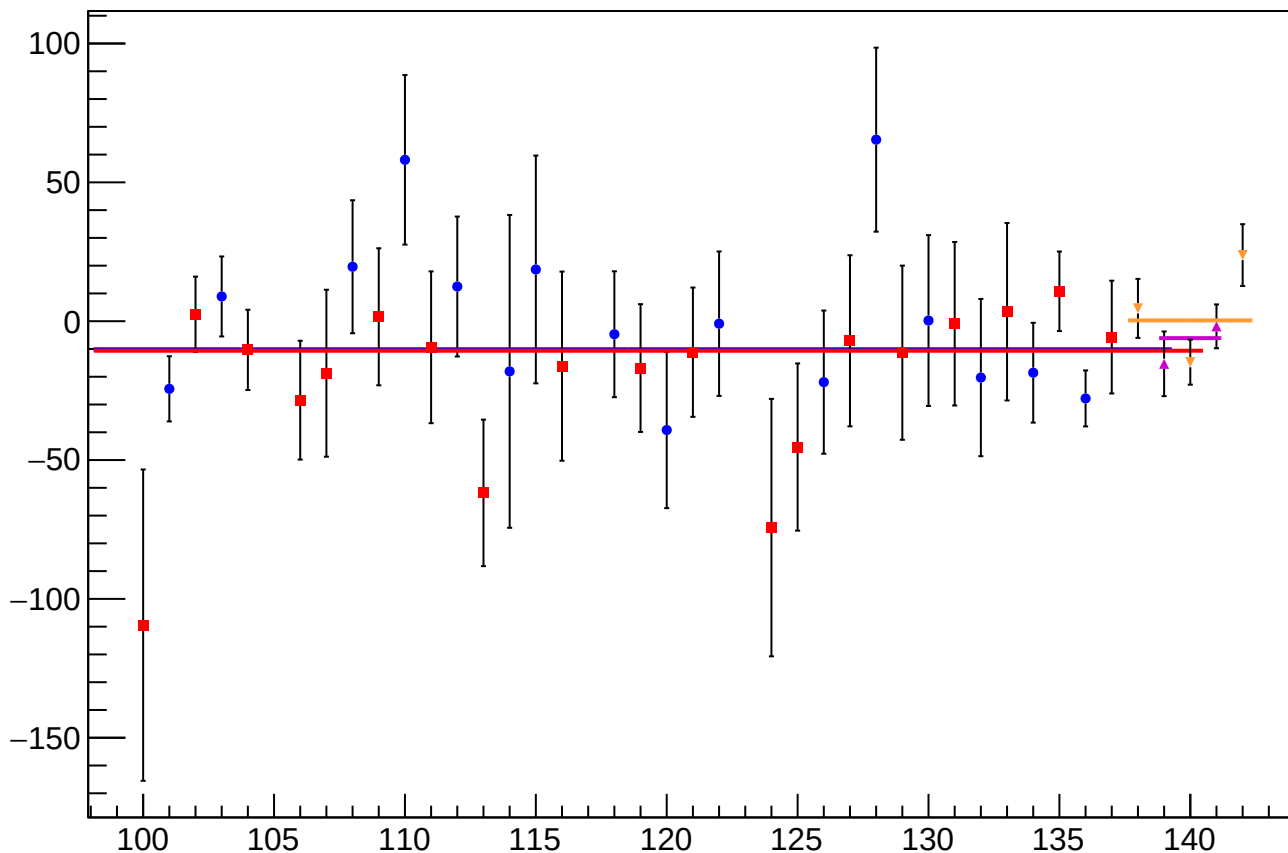
Left In: 5326.889+/-2.878 χ^2/NDF : 5664.5/1

+ sign 6423.320+/-1.528 χ^2/NDF : 858562.3/18

All: 6348.250+/-1.073 χ^2/NDF : 1781982.8/39

- sign 6275.256+/-1.507 χ^2/NDF : 918662.5/20

diff_bpm1X_mean vs Slug



Right In: -10.113 ± 5.017 χ^2/NDF : 21.3/15

Left Out: 0.287 ± 5.576 χ^2/NDF : 8.1/2

Right Out: -10.624 ± 5.277 χ^2/NDF : 14.7/18

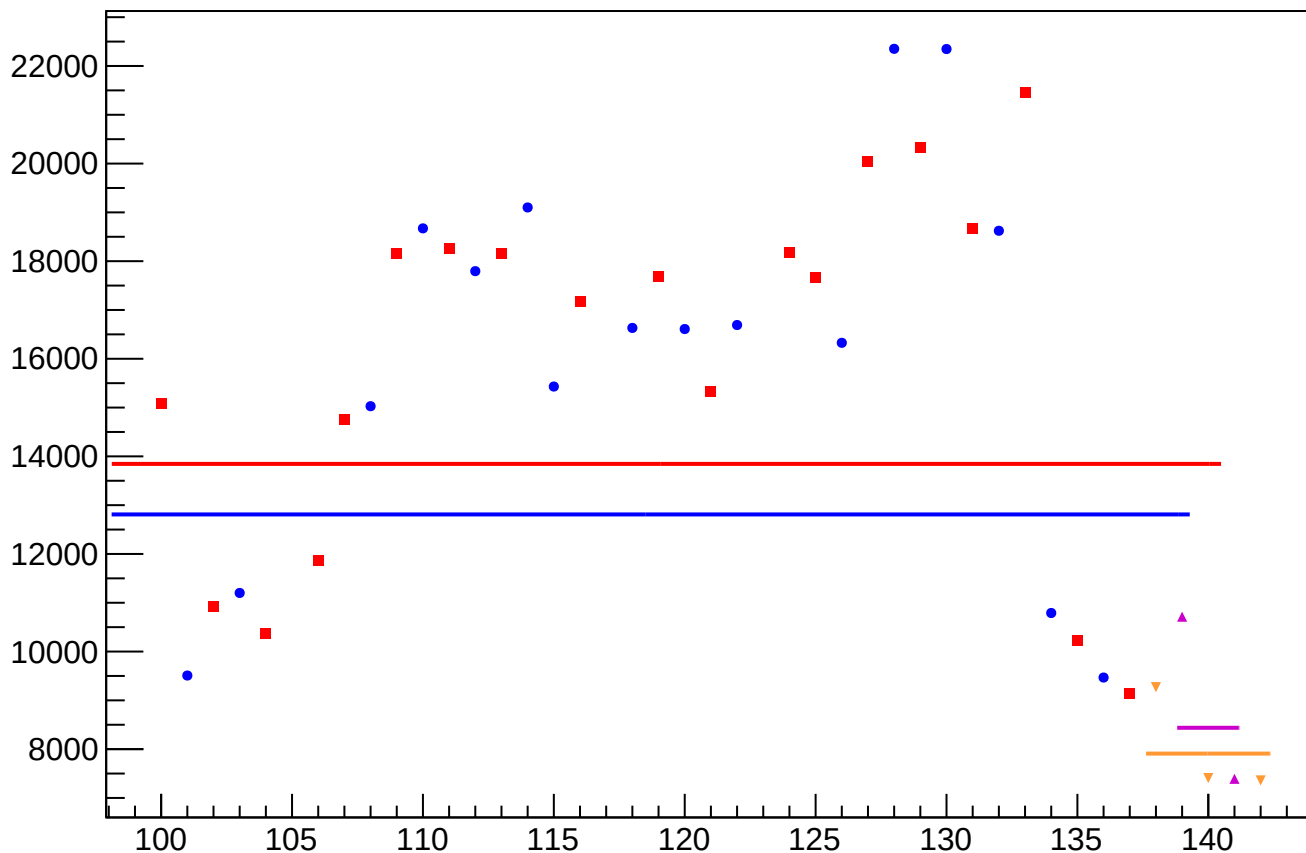
Left In: -6.097 ± 6.536 χ^2/NDF : 0.9/1

+ sign -5.460 ± 3.730 χ^2/NDF : 31.3/18

All: -6.987 ± 2.761 χ^2/NDF : 47.6/39

- sign -8.837 ± 4.106 χ^2/NDF : 16.0/20

diff_bpm1X_rms vs Slug



Right In: 12809.964+/-3.548 χ^2/NDF : 1248252.1/15

Left Out: 7908.831+/-3.943 χ^2/NDF : 45394.6/2

Right Out: 13845.622+/-3.731 χ^2/NDF : 1096555.2/18

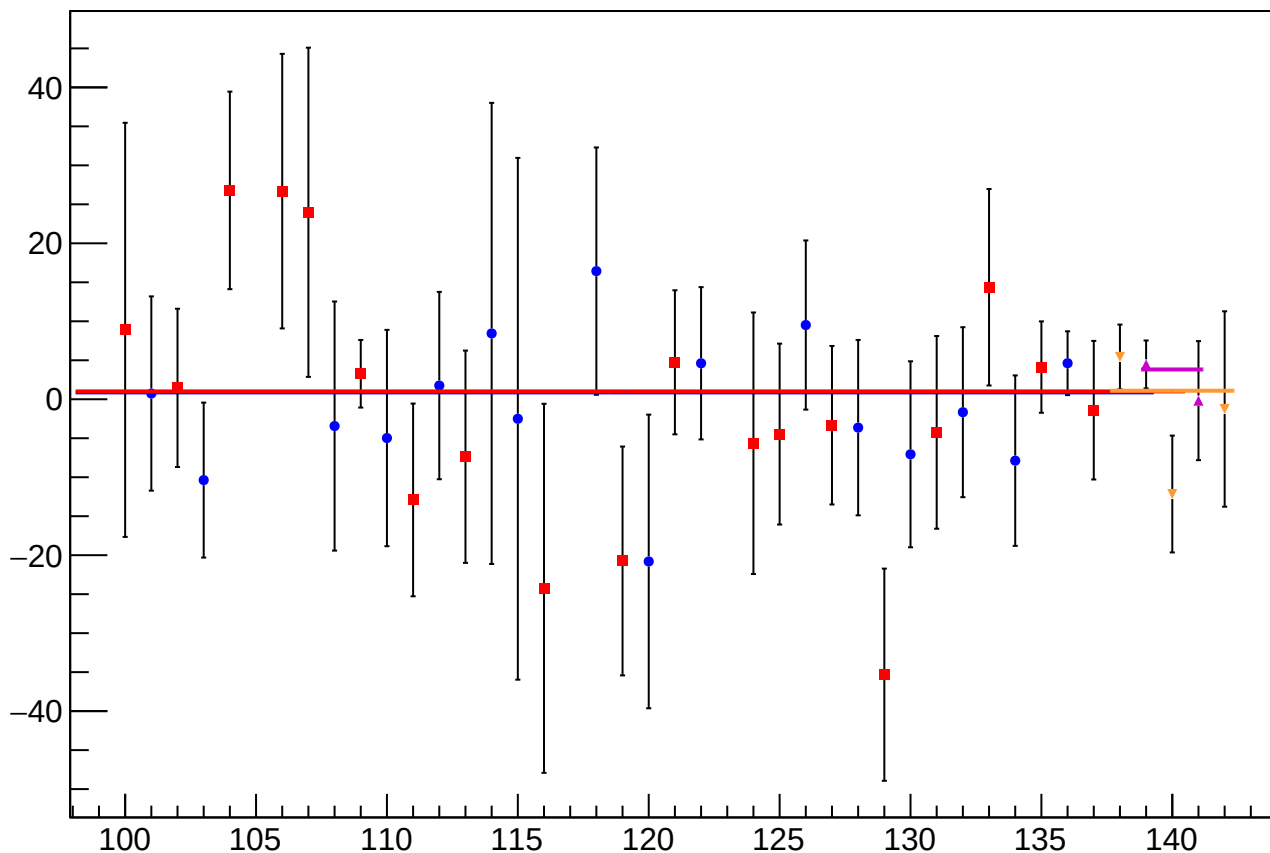
Left In: 8437.795+/-4.621 χ^2/NDF : 111459.2/1

+ sign 10617.384+/-2.637 χ^2/NDF : 2147443.0/18

All: 11112.131+/-1.952 χ^2/NDF : 4262242.9/3

- sign 11711.598+/-2.903 χ^2/NDF : 2036969.9/20

diff_bpm1Y_mean vs Slug



Right In: 0.882 ± 2.566 χ^2/NDF : 6.8/15

Left Out: 1.093 ± 3.490 χ^2/NDF : 4.2/2

Right Out: 1.006 ± 2.314 χ^2/NDF : 22.3/18

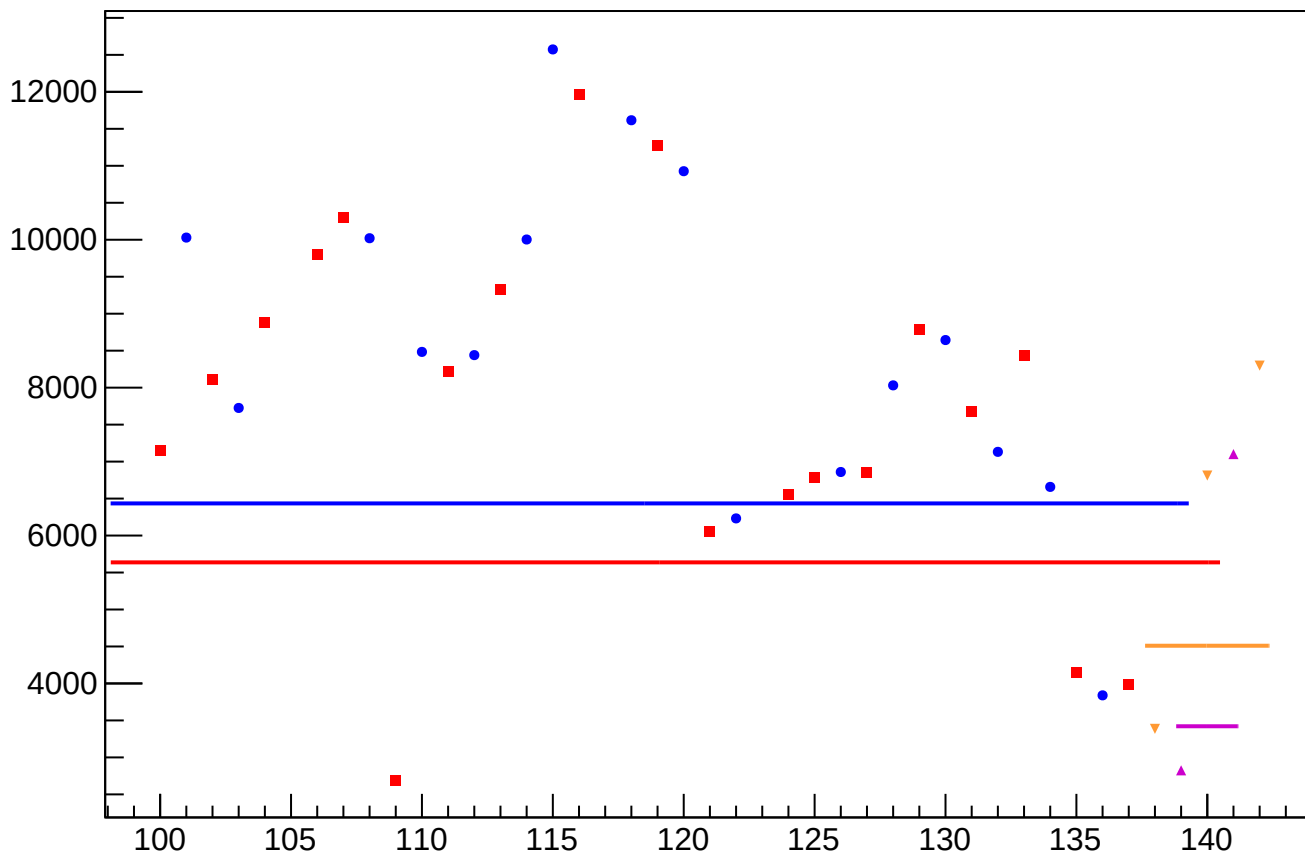
Left In: 3.820 ± 2.850 χ^2/NDF : 0.3/1

+ sign 0.956 ± 2.067 χ^2/NDF : 11.1/18

All: 1.621 ± 1.356 χ^2/NDF : 34.5/39

- sign 2.124 ± 1.796 χ^2/NDF : 23.2/20

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF : 1750609.4/15

Left Out: 4510.130+/-2.468 χ^2/NDF : 517786.7/2

Right Out: 5637.344+/-1.636 χ^2/NDF : 2580013.6/18

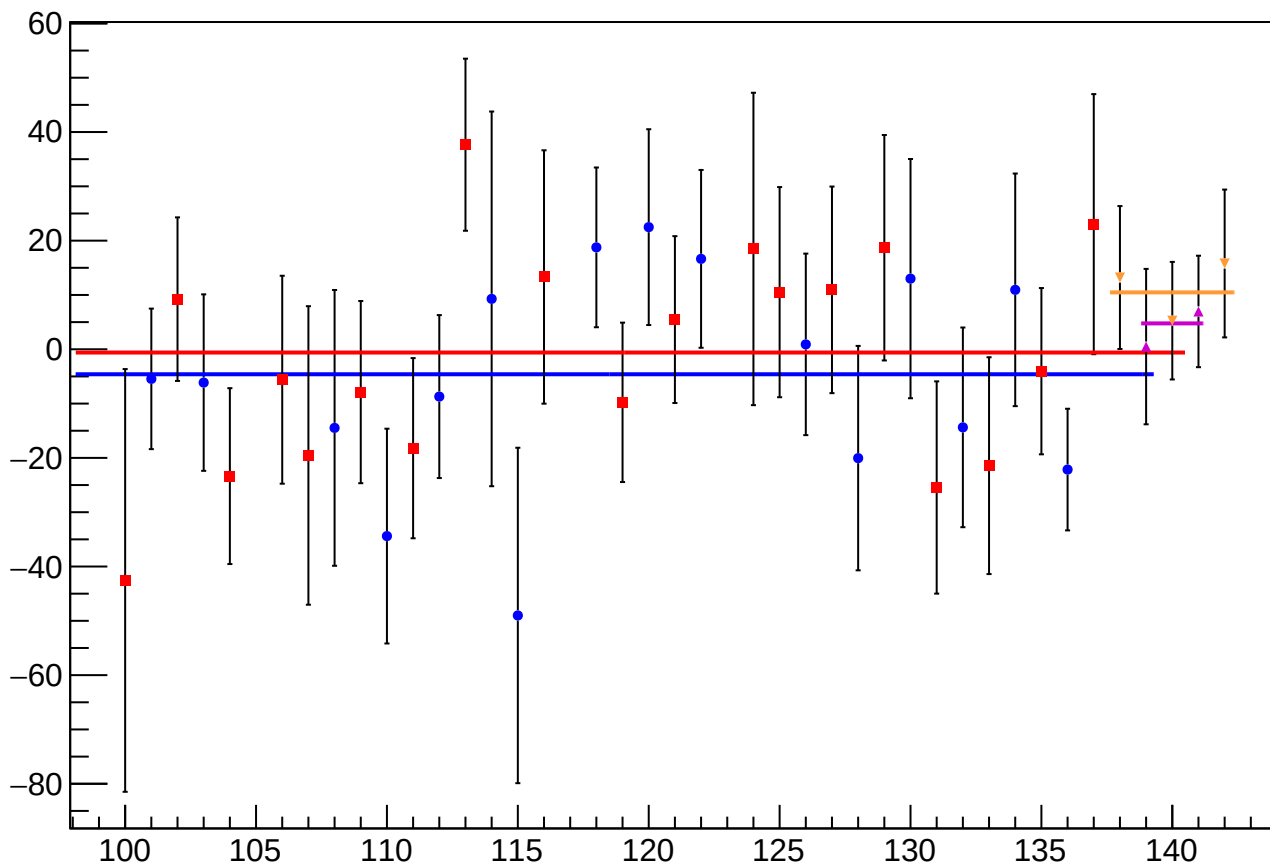
Left In: 3421.155+/-2.016 χ^2/NDF : 539771.2/1

+ sign 5759.204+/-1.462 χ^2/NDF : 2663149.6/18

All: 5188.216+/-0.959 χ^2/NDF : 6779467.1/39

- sign 4757.045+/-1.270 χ^2/NDF : 3848542.8/20

diff_bpm11X_mean vs Slug



Right In: -4.602 ± 4.355 χ^2/NDF : 15.8/15

Left Out: 10.476 ± 7.123 χ^2/NDF : 0.4/2

Right Out: -0.600 ± 4.266 χ^2/NDF : 17.9/18

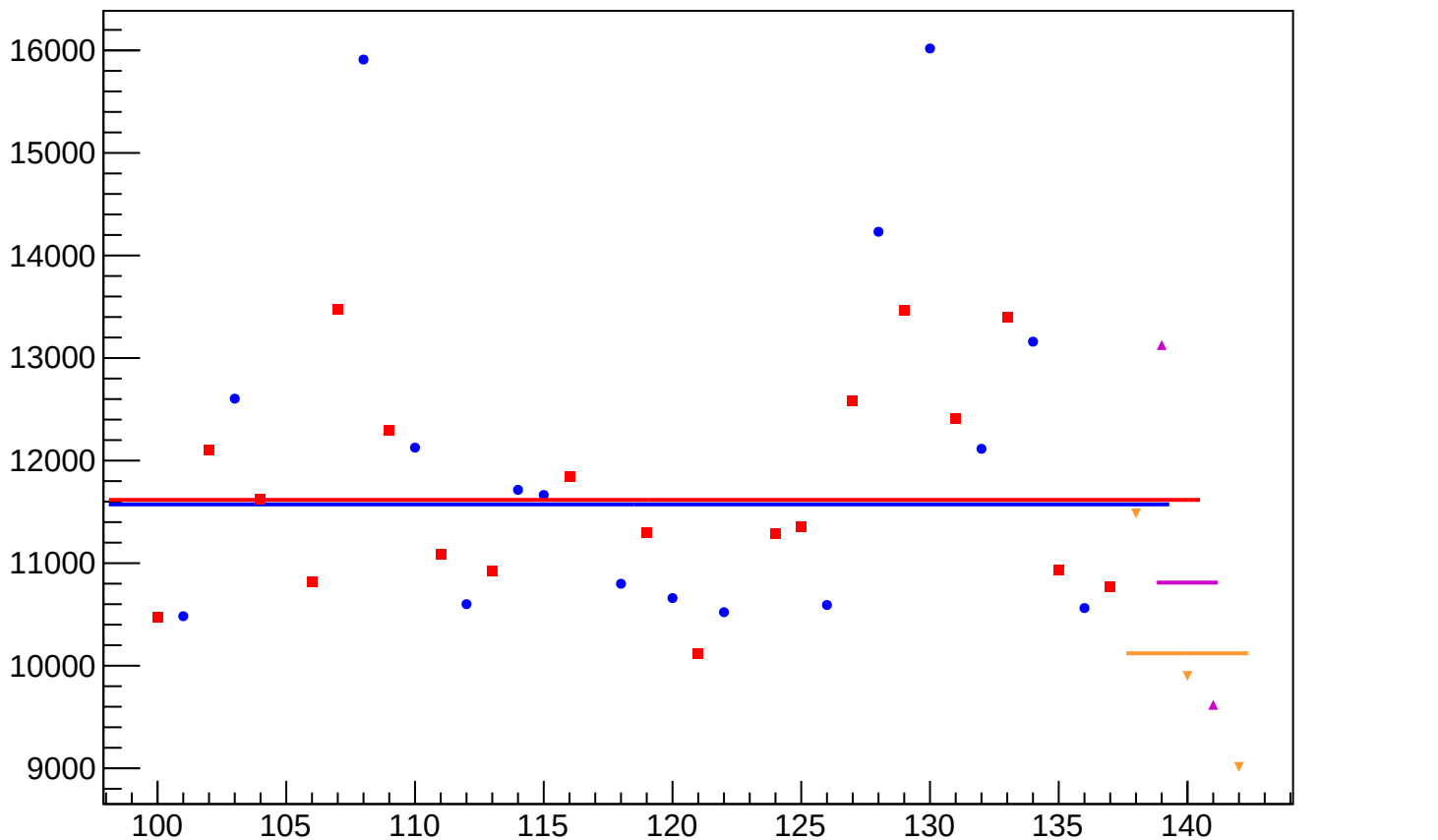
Left In: 4.765 ± 8.339 χ^2/NDF : 0.1/1

+ sign -0.499 ± 3.715 χ^2/NDF : 19.5/18

All: -0.004 ± 2.656 χ^2/NDF : 37.9/39

- sign 0.513 ± 3.798 χ^2/NDF : 18.4/20

diff_bpm11X_rms vs Slug



Right In: 11573.073+/-3.079 χ^2/NDF : 260067.0/15

Left Out: 10121.287+/-5.037 χ^2/NDF : 35598.1/2

Right Out: 11616.773+/-3.017 χ^2/NDF : 93165.6/18

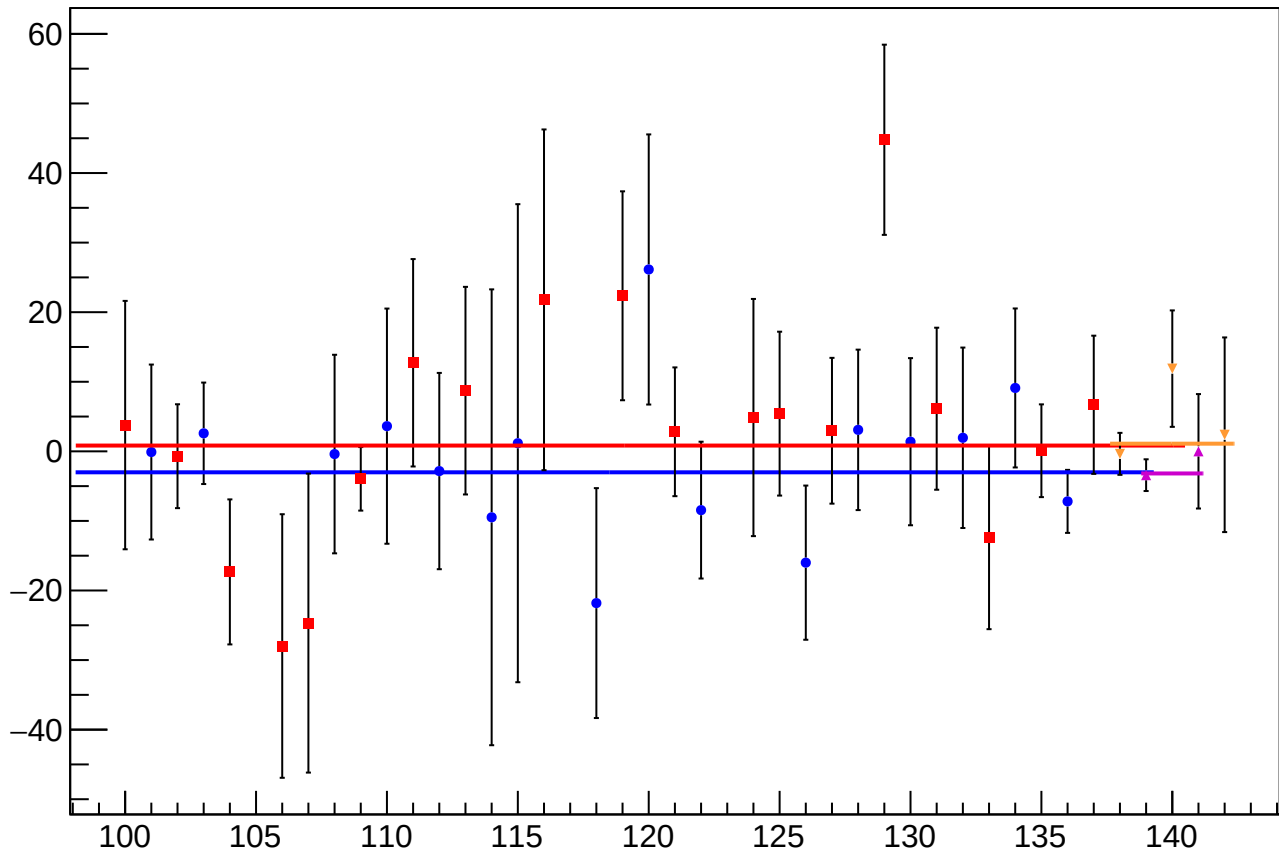
Left In: 10810.717+/-5.896 χ^2/NDF : 79416.5/1

+ sign 11178.092+/-2.627 χ^2/NDF : 356142.1/18

All: 11310.825+/-1.878 χ^2/NDF : 548754.9/39

- sign 11449.542+/-2.686 χ^2/NDF : 187392.5/20

diff_bpm11Y_mean vs Slug



Right In: -3.014 ± 2.654 $\chi^2/\text{NDF}: 8.7/15$

Left Out: 1.101 ± 2.782 $\chi^2/\text{NDF}: 1.9/2$

Right Out: 0.831 ± 2.352 $\chi^2/\text{NDF}: 23.8/18$

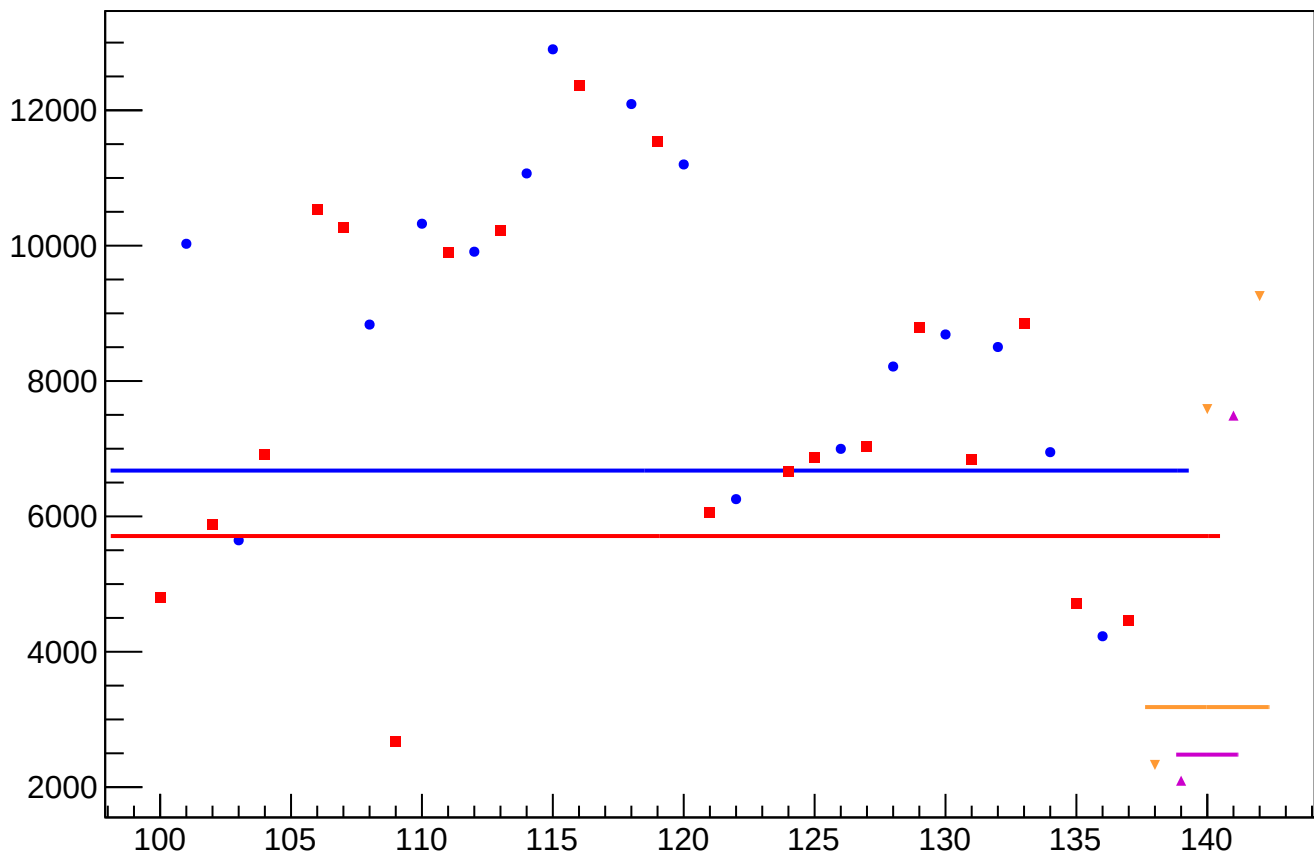
Left In: -3.178 ± 2.197 $\chi^2/\text{NDF}: 0.2/1$

+ sign -1.054 ± 1.920 $\chi^2/\text{NDF}: 11.7/18$

All: -1.204 ± 1.232 $\chi^2/\text{NDF}: 37.3/39$

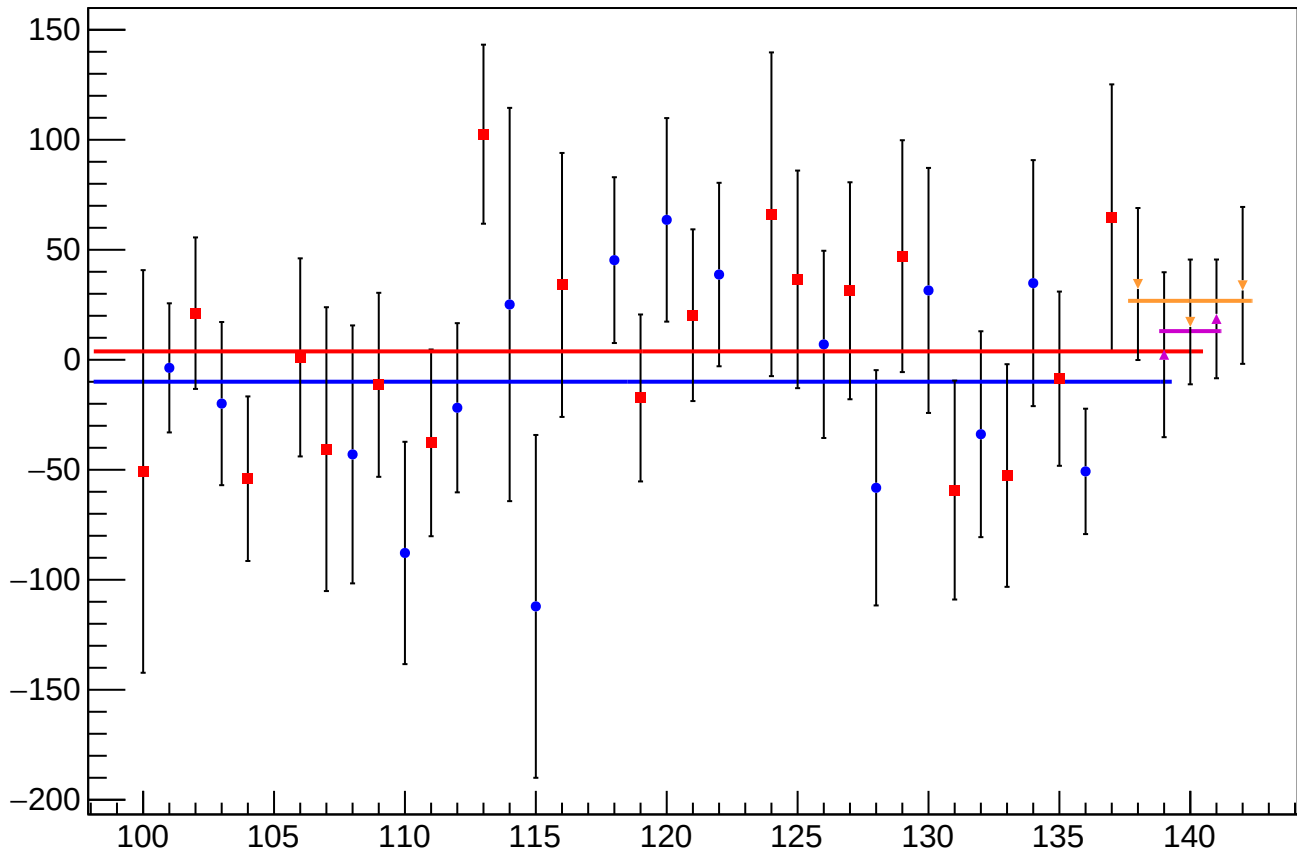
- sign -1.309 ± 1.605 $\chi^2/\text{NDF}: 25.5/20$

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF : 1572864.3/15 + sign 5012.010+/-1.358 χ^2/NDF : 4315711.8/18
 Left Out: 3182.846+/-1.967 χ^2/NDF : 1091030.5/2 All: 4407.875+/-0.871 χ^2/NDF : 9765903.5/39
 Right Out: 5709.821+/-1.663 χ^2/NDF : 2301039.5/18 - sign 3985.568+/-1.135 χ^2/NDF : 5113844.6/20
 Left In: 2480.308+/-1.554 χ^2/NDF : 798908.6/1

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF : 15.3/15

Left Out: 26.795+/-18.673 χ^2/NDF : 0.2/2

Right Out: 3.814+/-10.636 χ^2/NDF : 17.3/18

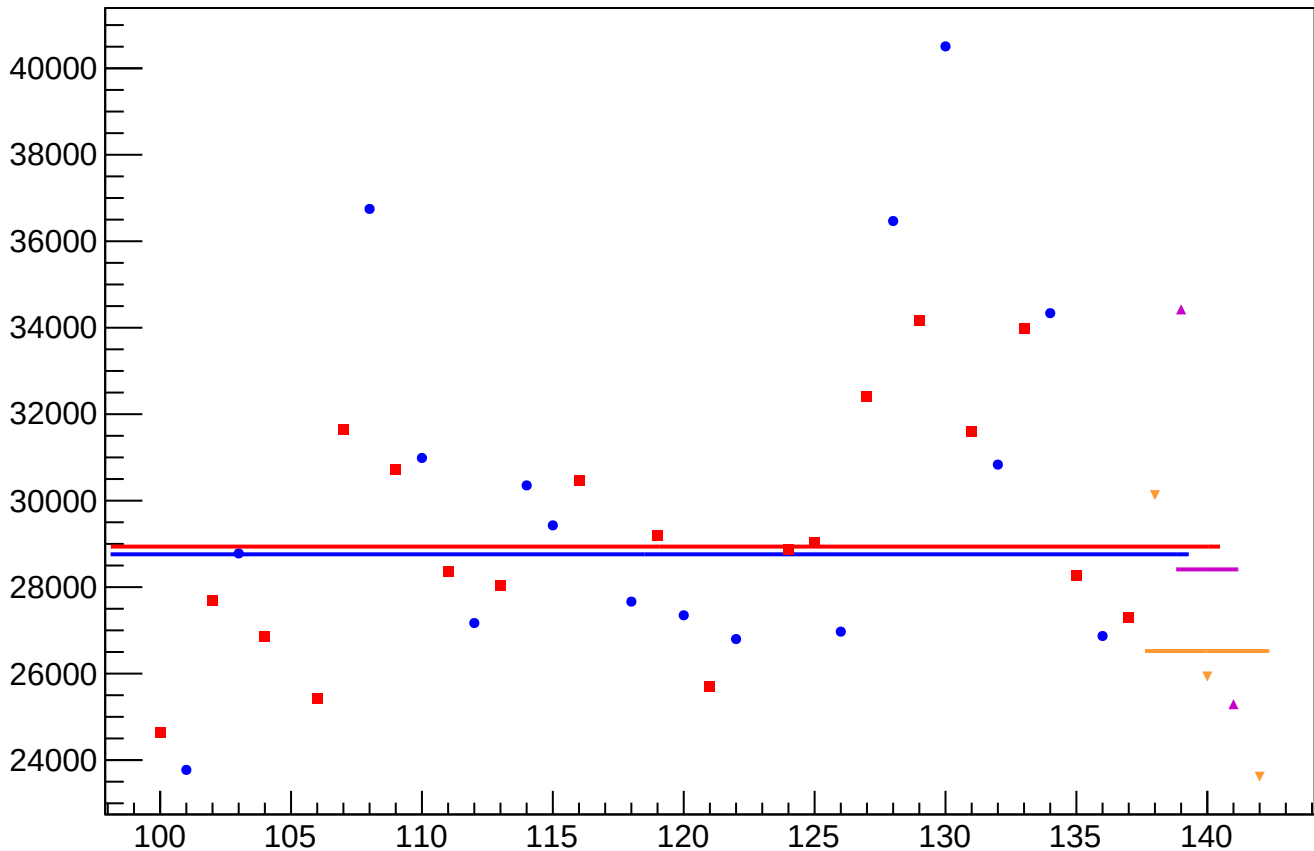
Left In: 13.031+/-21.903 χ^2/NDF : 0.1/1

+ sign -0.707+/-9.372 χ^2/NDF : 18.4/18

All: 2.368+/-6.695 χ^2/NDF : 36.2/39

- sign 5.572+/-9.568 χ^2/NDF : 17.6/20

diff_bpm12X_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF : 277639.9/15

Left Out: 26522.289+/-13.204 χ^2/NDF : 35943.2/2

Right Out: 28937.633+/-7.521 χ^2/NDF : 106266.0/18

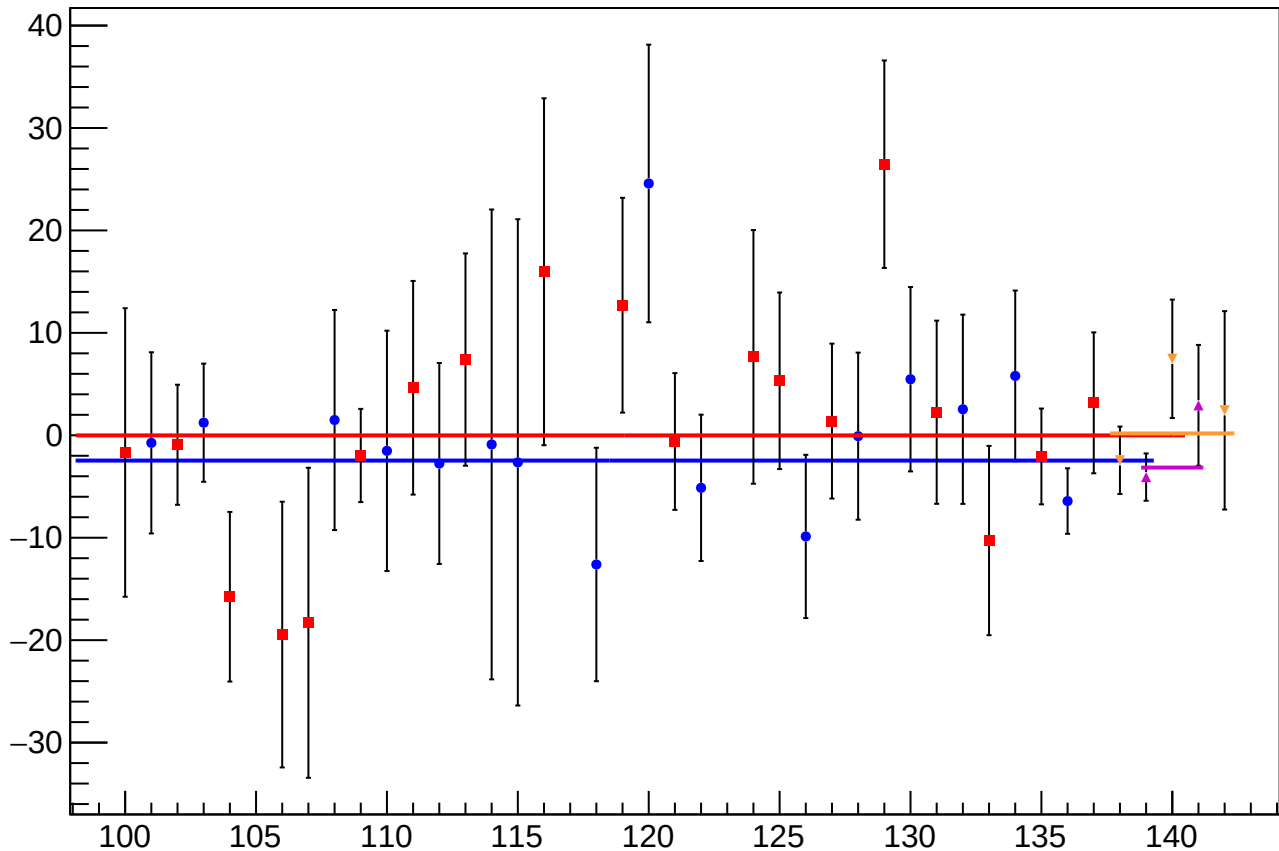
Left In: 28409.950+/-15.488 χ^2/NDF : 78168.4/1

+ sign 28195.562+/-6.627 χ^2/NDF : 335052.1/18

All: 28509.636+/-4.734 χ^2/NDF : 525012.3/39

- sign 28836.941+/-6.765 χ^2/NDF : 185373.7/20

diff_bpm12Y_mean vs Slug



Right In: -2.467 ± 1.916 χ^2/NDF : 10.0/15

Left Out: 0.181 ± 2.744 χ^2/NDF : 2.3/2

Right Out: -0.009 ± 1.828 χ^2/NDF : 20.0/18

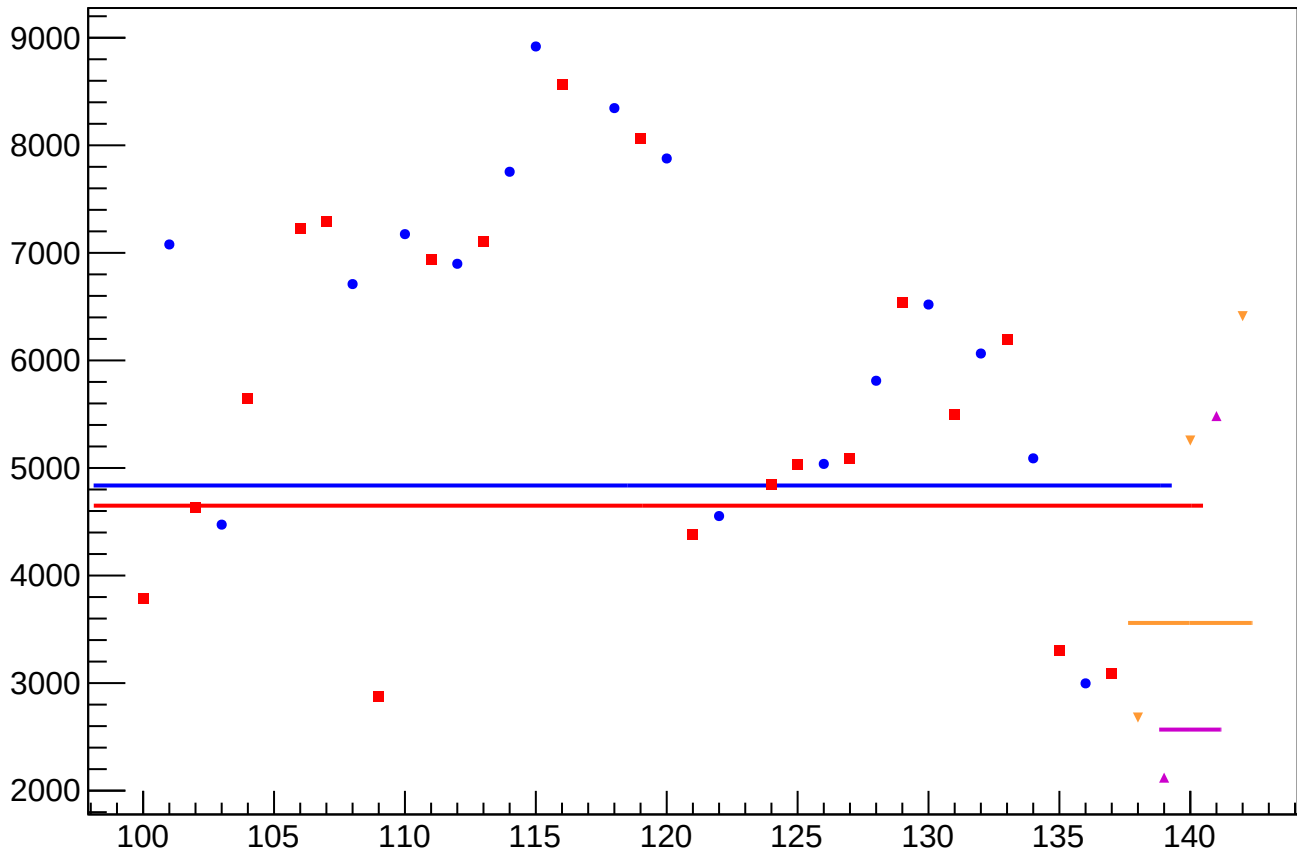
Left In: -3.150 ± 2.150 χ^2/NDF : 1.2/1

+ sign -1.600 ± 1.571 χ^2/NDF : 12.9/18

All: -1.447 ± 1.042 χ^2/NDF : 35.4/39

- sign -1.327 ± 1.393 χ^2/NDF : 22.4/20

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF : 1547766.9/15

Left Out: 3559.355+/-1.940 χ^2/NDF : 488323.7/2

Right Out: 4649.613+/-1.293 χ^2/NDF : 1434548.7/18

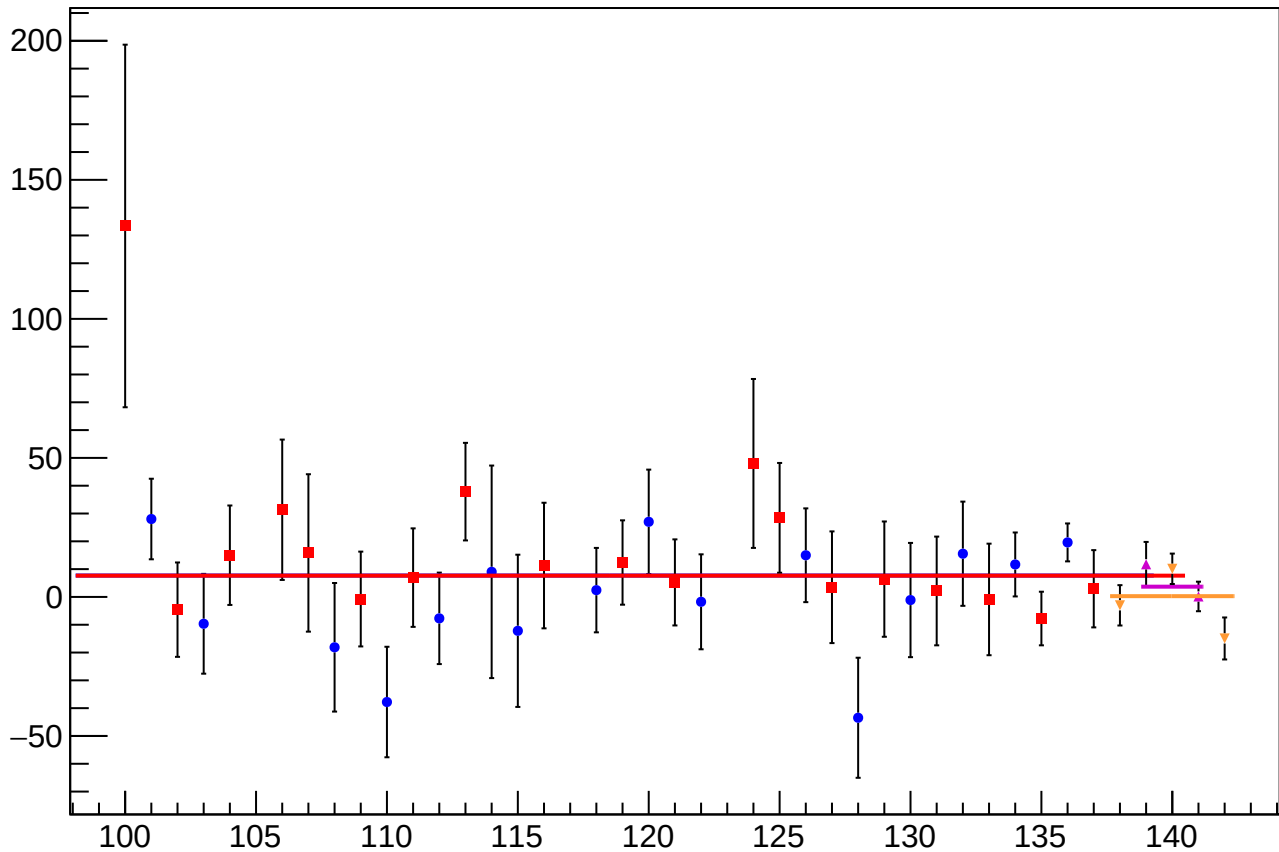
Left In: 2567.718+/-1.520 χ^2/NDF : 563267.9/1

+ sign 4418.459+/-1.111 χ^2/NDF : 2327694.8/18

All: 4058.780+/-0.737 χ^2/NDF : 5601232.9/39

- sign 3776.005+/-0.985 χ^2/NDF : 3086217.5/20

diff_bpm16X_mean vs Slug



Right In: 7.699 ± 3.820 χ^2/NDF : 21.6/15

Left Out: 0.277 ± 3.780 χ^2/NDF : 7.5/2

Right Out: 7.650 ± 4.099 χ^2/NDF : 14.6/18

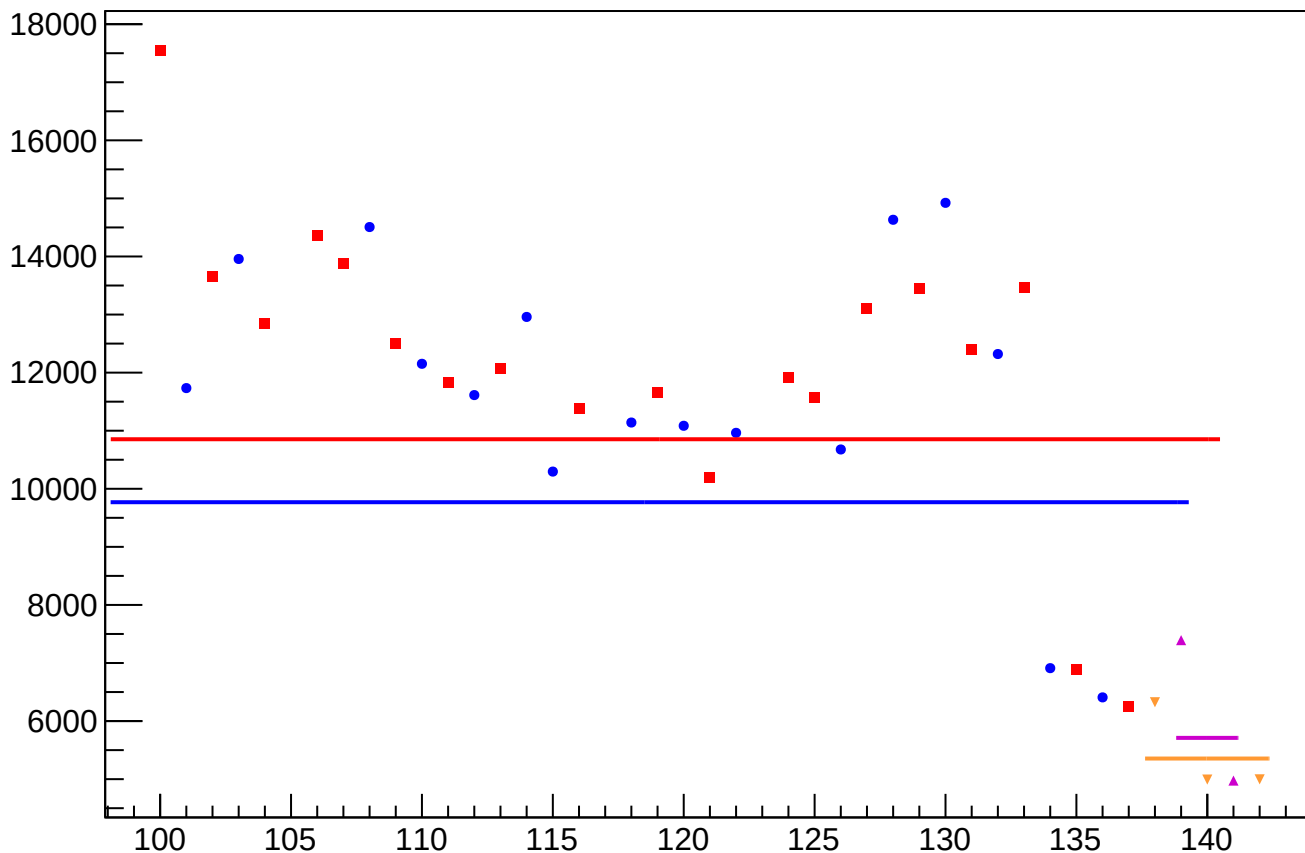
Left In: 3.690 ± 4.433 χ^2/NDF : 1.4/1

+ sign 3.949 ± 2.687 χ^2/NDF : 31.0/18

All: 4.781 ± 2.004 χ^2/NDF : 47.7/39

- sign 5.825 ± 3.010 χ^2/NDF : 16.5/20

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2 /NDF: 1213694.6/15

Left Out: 5355.128+/-2.673 χ^2 /NDF: 48947.1/2

Right Out: 10852.989+/-2.899 χ^2 /NDF: 874500.2/18

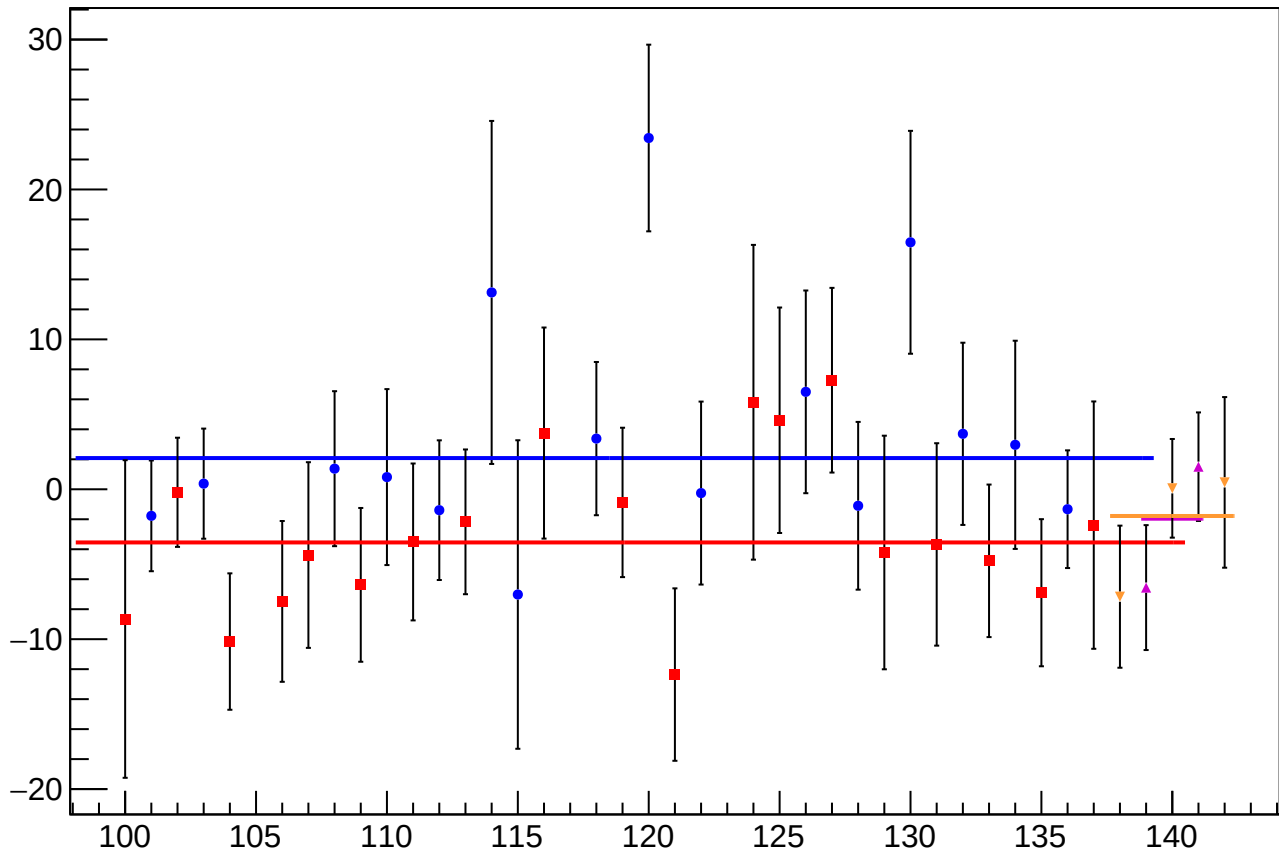
Left In: 5710.827+/-3.135 χ^2 /NDF: 125932.1/1

+ sign 7538.618+/-1.900 χ^2 /NDF: 2611877.3/18

All: 7957.368+/-1.417 χ^2 /NDF: 5172445.3/39

- sign 8482.884+/-2.128 χ^2 /NDF: 2451008.1/20

diff_bpm16Y_mean vs Slug



Right In: 2.082 ± 1.345 χ^2/NDF : 21.0/15

Left Out: -1.782 ± 2.442 χ^2/NDF : 1.8/2

Right Out: -3.546 ± 1.304 χ^2/NDF : 13.4/18

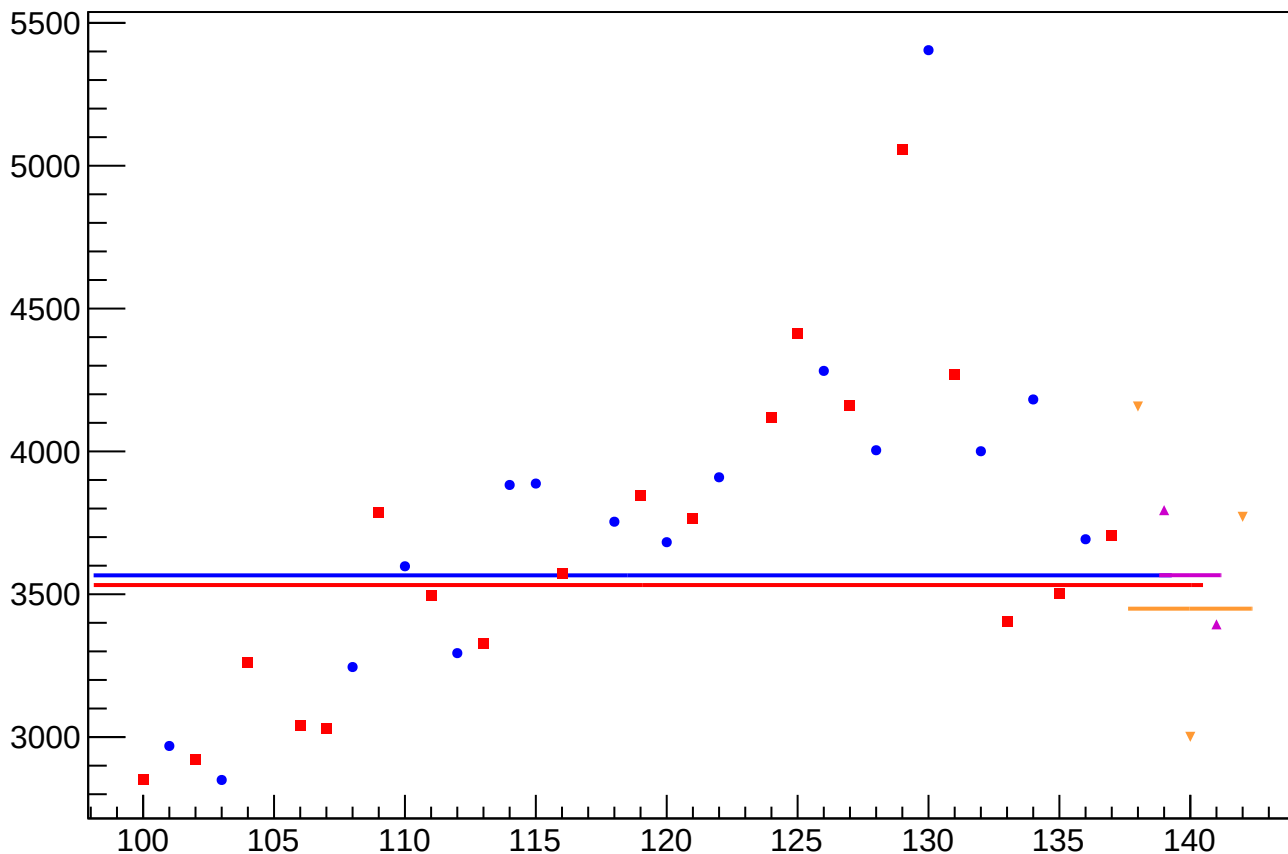
Left In: -1.962 ± 2.732 χ^2/NDF : 2.1/1

+ sign 1.182 ± 1.178 χ^2/NDF : 24.6/18

All: -1.038 ± 0.833 χ^2/NDF : 47.6/39

- sign -3.252 ± 1.177 χ^2/NDF : 15.9/20

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2 /NDF: 341105.5/15

Left Out: 3449.520+/-1.727 χ^2 /NDF: 88127.0/2

Right Out: 3532.189+/-0.922 χ^2 /NDF: 278693.0/18

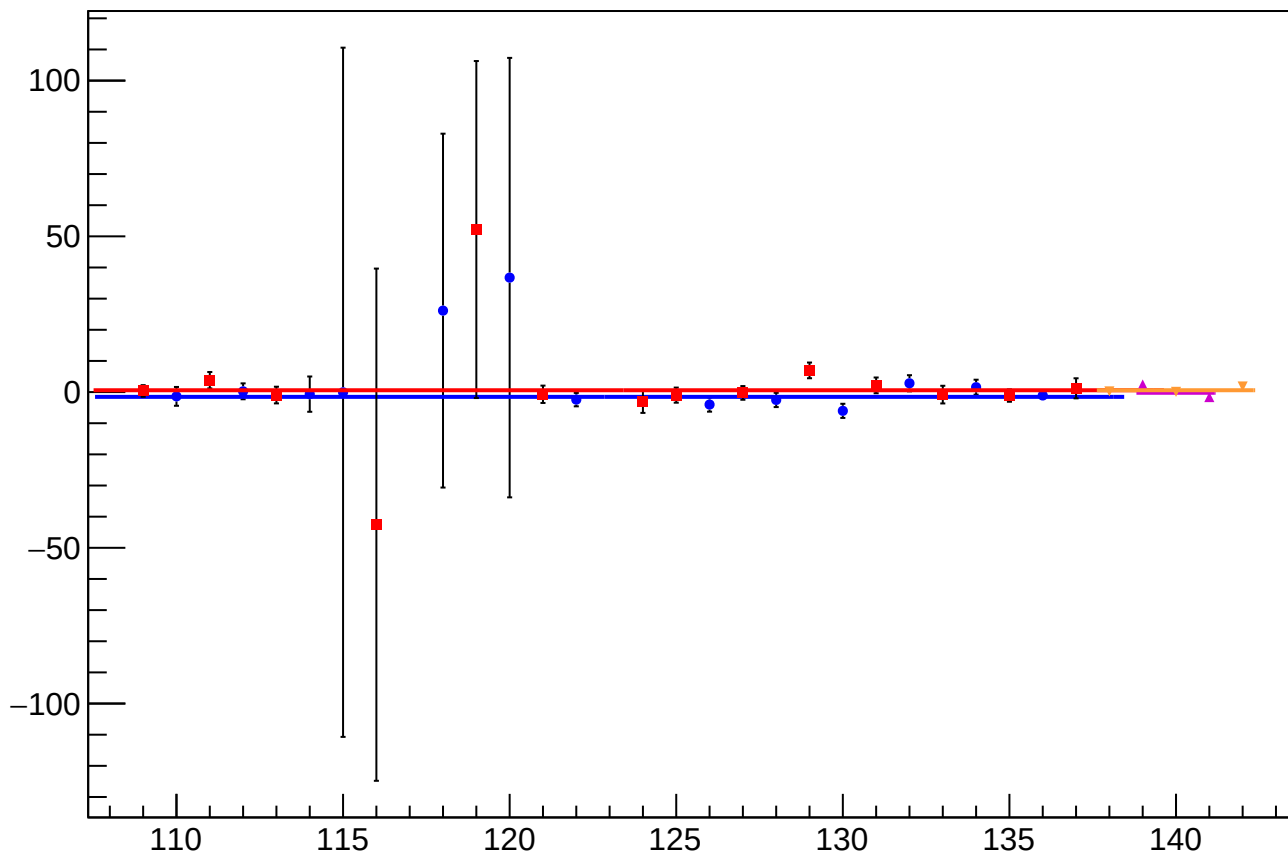
Left In: 3566.654+/-1.932 χ^2 /NDF: 10490.7/1

+ sign 3538.991+/-0.833 χ^2 /NDF: 432732.9/18

All: 3538.787+/-0.589 χ^2 /NDF: 722175.9/39

- sign 3538.584+/-0.832 χ^2 /NDF: 289442.8/20

diff_bpm1p02bX_mean vs Slug



Right In: -1.536 ± 0.733 χ^2/NDF : 11.1/12

Left Out: 0.592 ± 0.716 χ^2/NDF : 1.1/2

Right Out: 0.588 ± 0.717 χ^2/NDF : 12.7/13

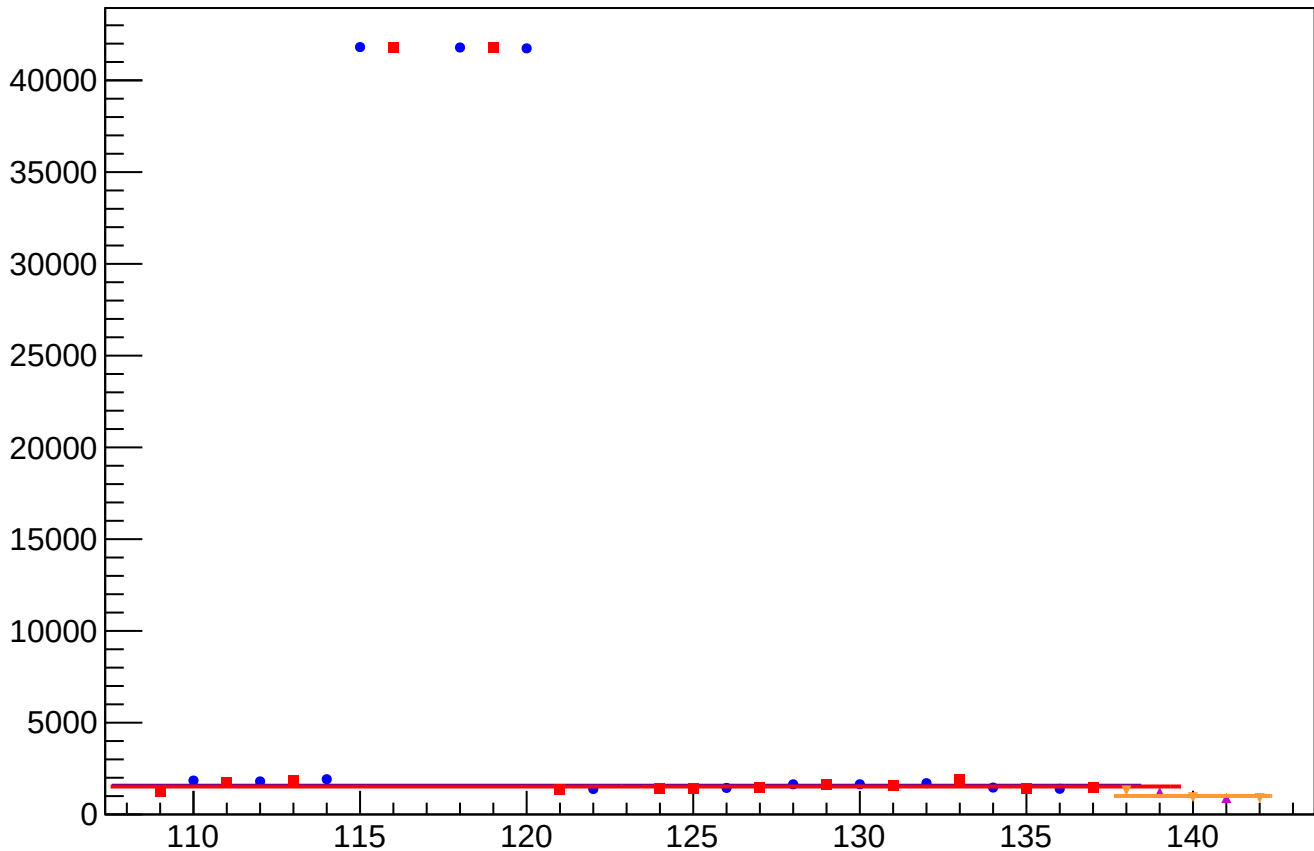
Left In: -0.222 ± 0.777 χ^2/NDF : 6.1/1

+ sign -0.447 ± 0.512 χ^2/NDF : 16.5/15

All: -0.125 ± 0.367 χ^2/NDF : 36.7/31

- sign 0.215 ± 0.527 χ^2/NDF : 19.4/15

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307 ± 0.518 χ^2/NDF : 2016990.6/12

Left Out: 1007.685 ± 0.506 χ^2/NDF : 103062.4/2

Right Out: 1523.678 ± 0.507 χ^2/NDF : 1739658.0/13

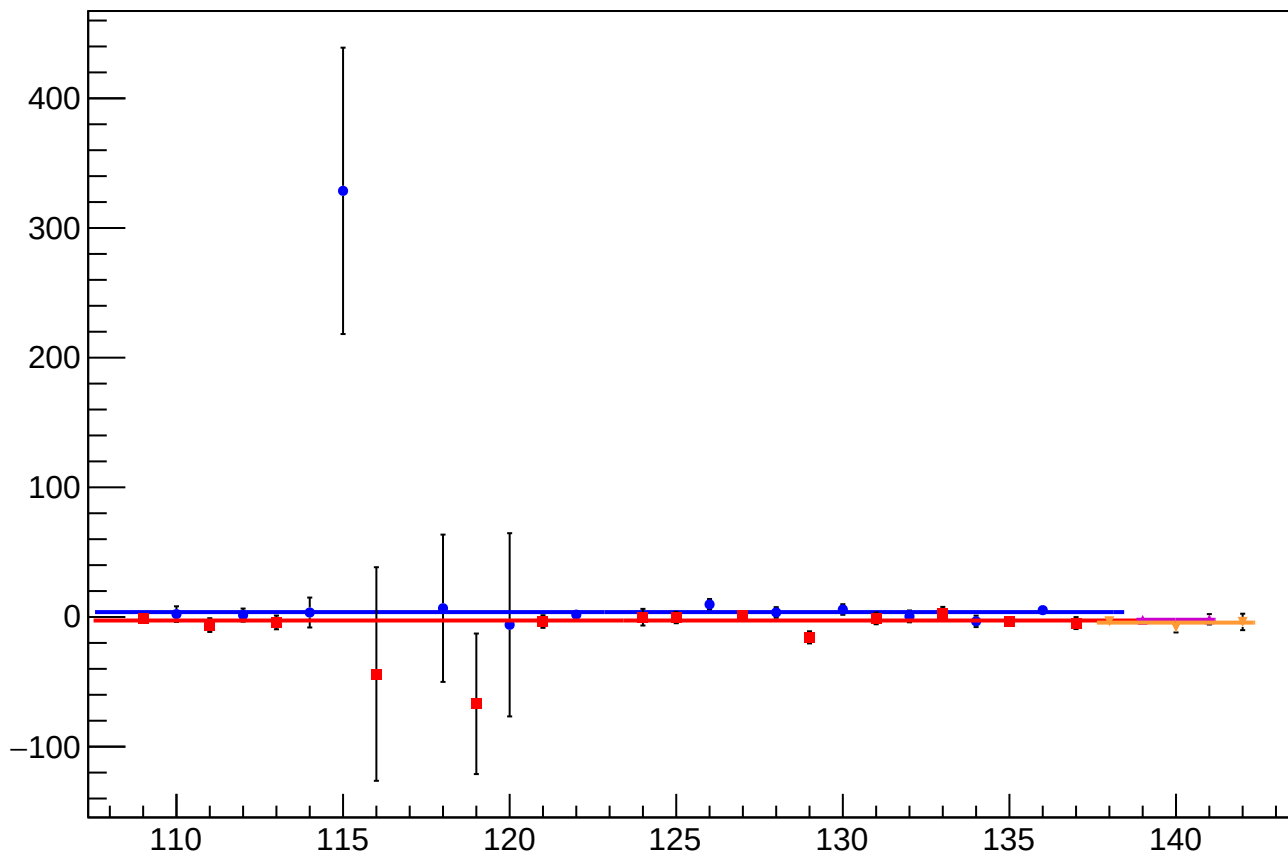
Left In: 1006.900 ± 0.549 χ^2/NDF : 75691.1/1

+ sign 1279.399 ± 0.362 χ^2/NDF : 2710834.0/15

All: 1282.562 ± 0.260 χ^2/NDF : 5004230.9/31

- sign 1285.912 ± 0.373 χ^2/NDF : 2293239.7/15

diff_bpm1p02bY_mean vs Slug



Right In: 3.777 ± 1.248 χ^2/NDF : 15.2/12

Left Out: -4.330 ± 1.778 χ^2/NDF : 1.1/2

Right Out: -2.709 ± 1.211 χ^2/NDF : 13.6/13

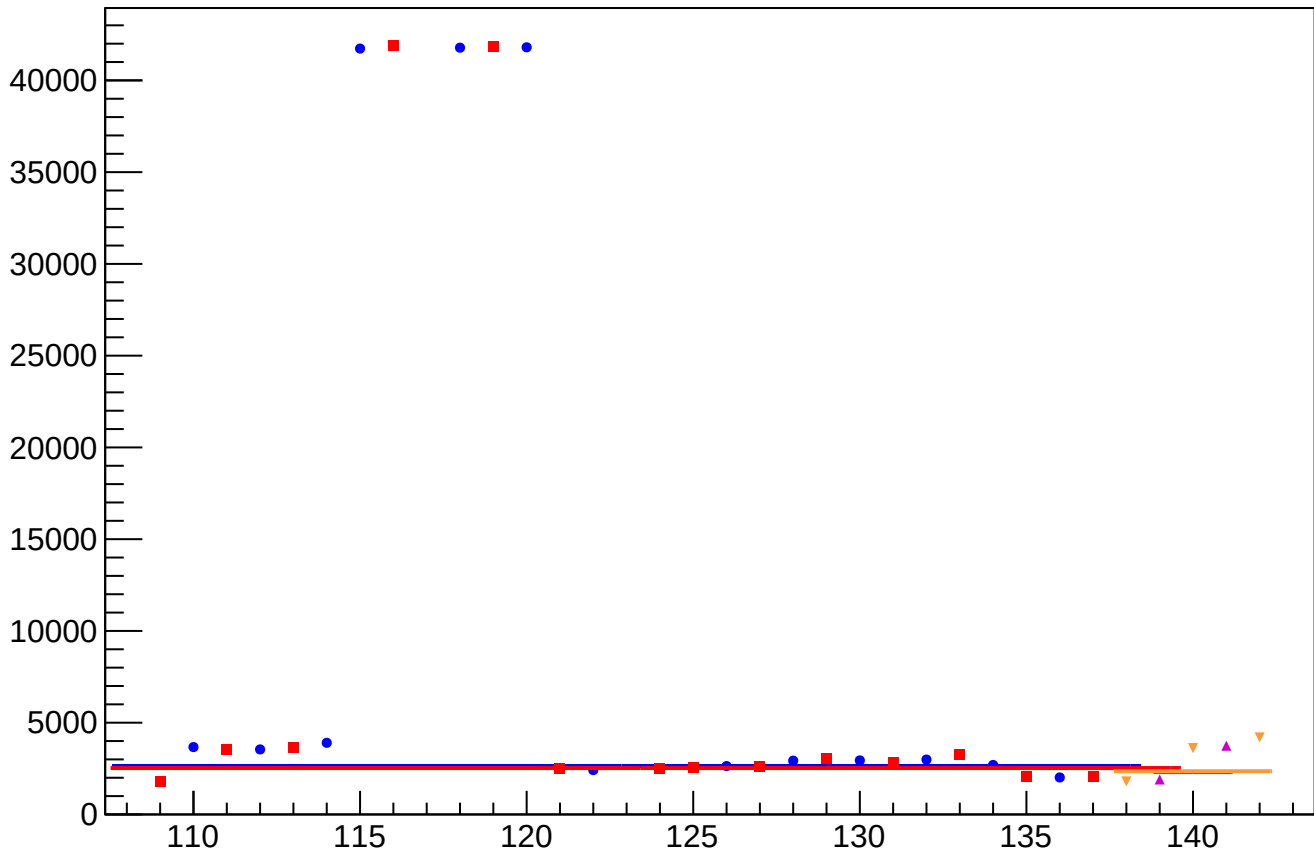
Left In: -2.132 ± 1.869 χ^2/NDF : 0.0/1

+ sign 1.100 ± 1.022 χ^2/NDF : 30.1/15

All: -0.729 ± 0.721 χ^2/NDF : 50.2/31

- sign -2.538 ± 1.016 χ^2/NDF : 13.7/15

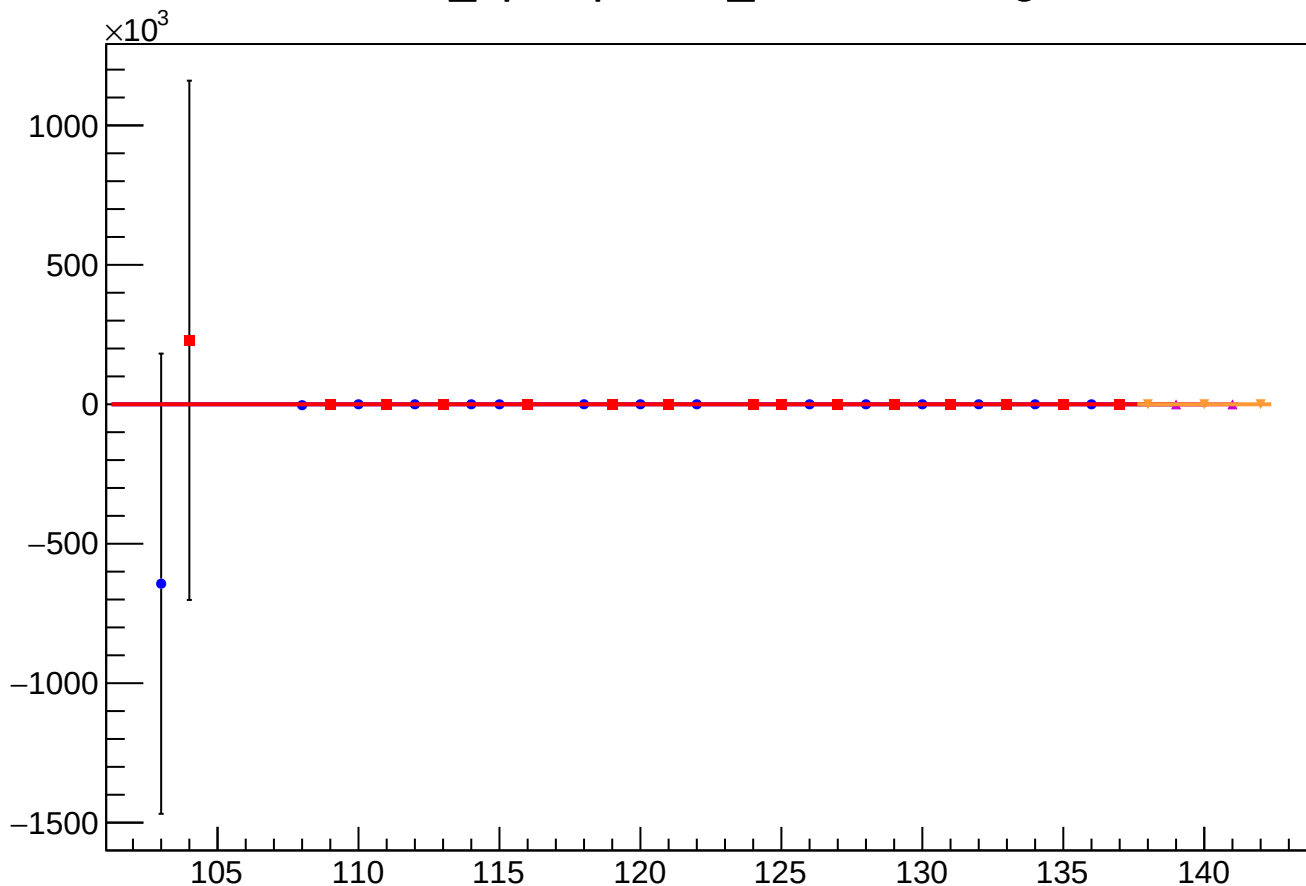
diff_bpm1p02bY_rms vs Slug



Right In: 2639.943 ± 0.883 $\chi^2/\text{NDF}: 2173395.1/12$
 Left Out: 2355.703 ± 1.257 $\chi^2/\text{NDF}: 512482.4/2$
 Right Out: 2529.018 ± 0.856 $\chi^2/\text{NDF}: 1949928.1/13$
 Left In: 2309.277 ± 1.322 $\chi^2/\text{NDF}: 330119.6/1$

+ sign 2546.084 ± 0.722 $\chi^2/\text{NDF}: 2720117.5/15$
 All: 2504.856 ± 0.509 $\chi^2/\text{NDF}: 5026114.3/3$
 - sign 2464.059 ± 0.719 $\chi^2/\text{NDF}: 2299517.0/15$

diff_bpm1p03aX_mean vs Slug



Right In: -1.215 ± 1.125 χ^2/NDF : 18.8/14

Left Out: -0.018 ± 1.025 χ^2/NDF : 5.0/2

Right Out: -2.670 ± 1.211 χ^2/NDF : 14.4/14

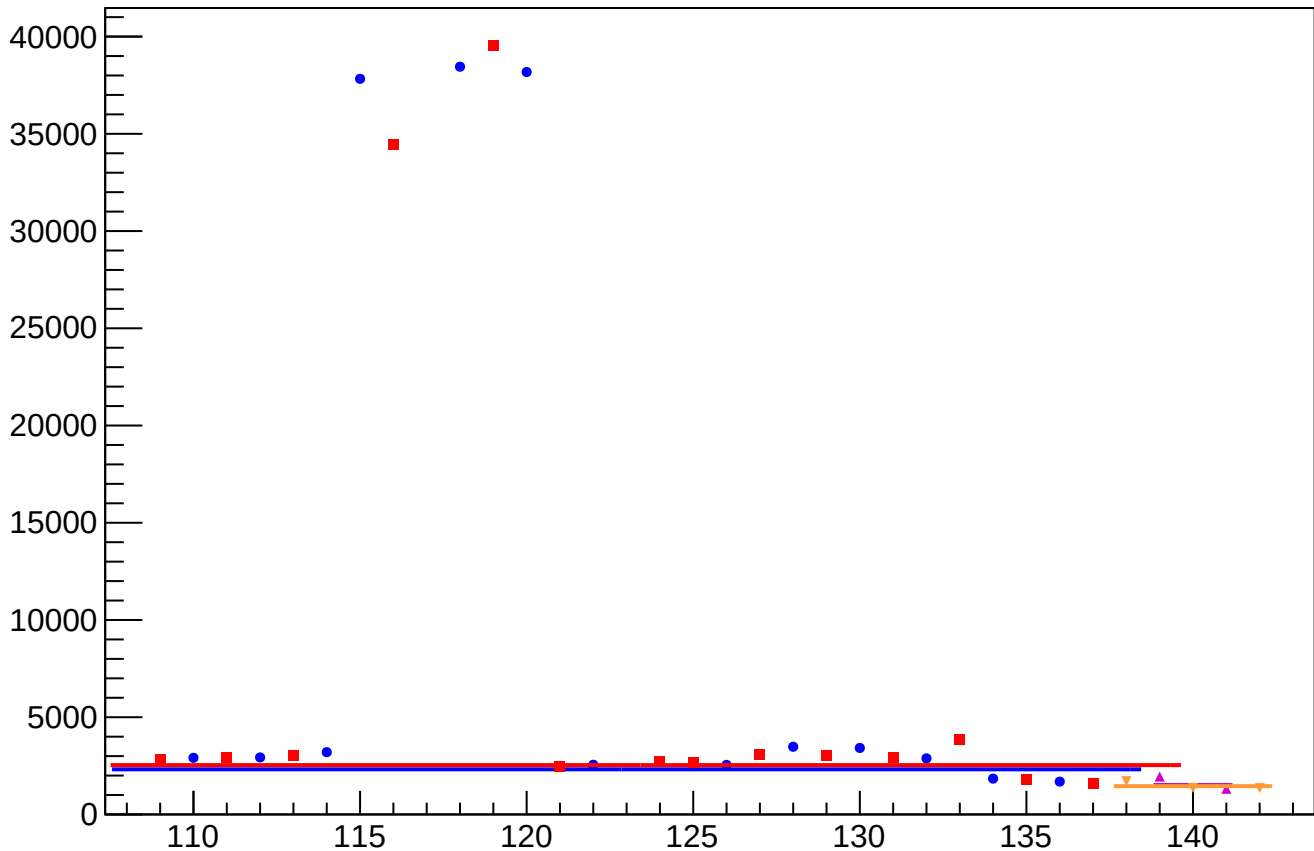
Left In: -1.242 ± 1.173 χ^2/NDF : 0.2/1

+ sign -0.560 ± 0.758 χ^2/NDF : 24.4/17

All: -1.174 ± 0.563 χ^2/NDF : 41.2/34

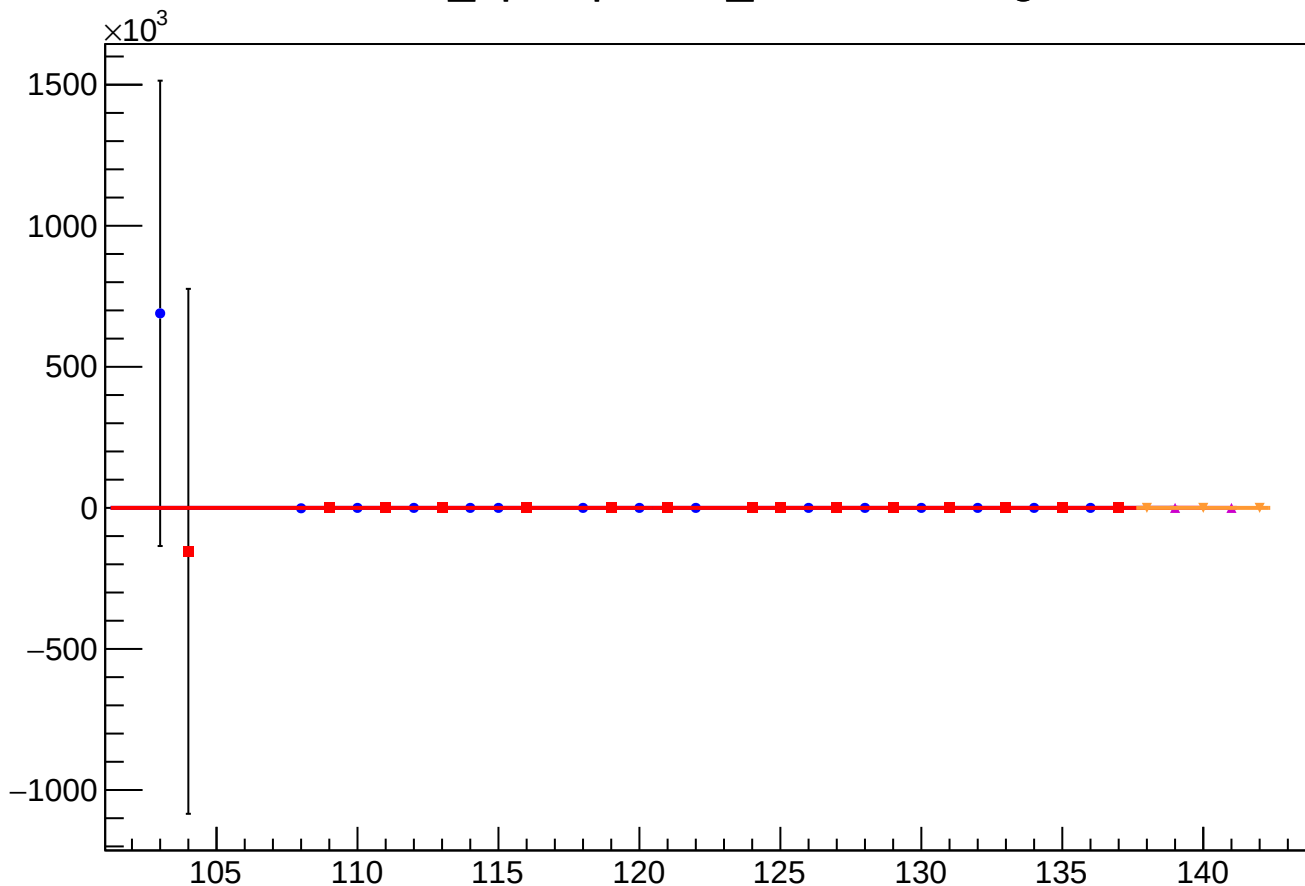
- sign -1.933 ± 0.843 χ^2/NDF : 15.3/16

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF : 2461445.1/12 + sign 1846.815+/-0.536 χ^2/NDF : 3156639.2/15
 Left Out: 1454.208+/-0.724 χ^2/NDF : 47169.8/2 All: 1919.491+/-0.398 χ^2/NDF : 6094741.2/31
 Right Out: 2537.615+/-0.856 χ^2/NDF : 2038153.2/13 - sign 2009.419+/-0.596 χ^2/NDF : 2896919.2/15
 Left In: 1513.728+/-0.830 χ^2/NDF : 121378.6/1

diff_bpm1p03aY_mean vs Slug



Right In: 1.708 $\pm$ 1.076 χ^2 /NDF: 5.0/14

Left Out: -3.246 $\pm$ 1.290 χ^2 /NDF: 0.6/2

Right Out: -1.893 $\pm$ 1.052 χ^2 /NDF: 15.3/14

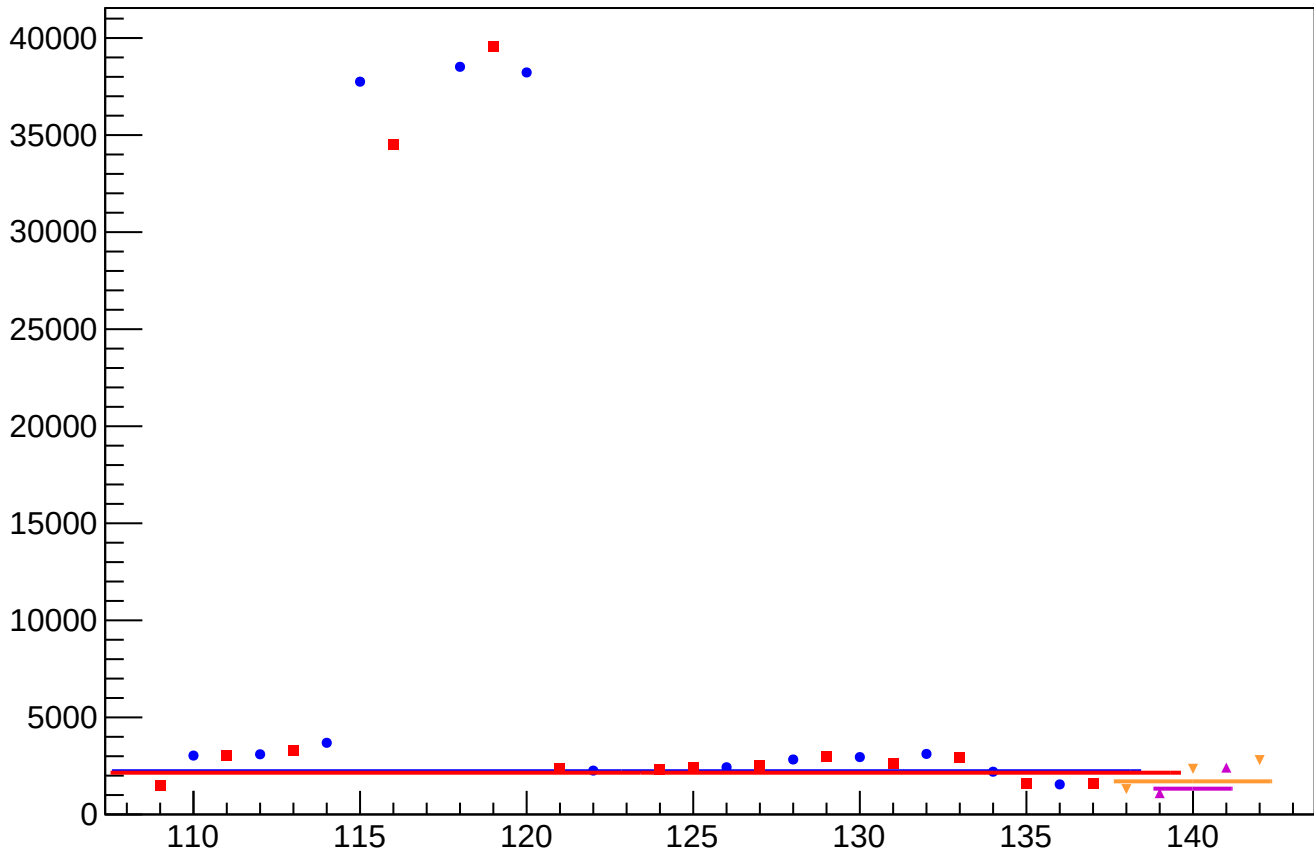
Left In: 0.191 $\pm$ 1.085 χ^2 /NDF: 0.6/1

+ sign -0.325 $\pm$ 0.827 χ^2 /NDF: 14.3/17

All: -0.630 $\pm$ 0.558 χ^2 /NDF: 32.3/34

- sign -0.884 $\pm$ 0.755 χ^2 /NDF: 17.8/16

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944 ± 0.761 $\chi^2/\text{NDF}: 2522286.5/12$

Left Out: 1705.995 ± 0.913 $\chi^2/\text{NDF}: 384971.5/2$

Right Out: 2150.841 ± 0.744 $\chi^2/\text{NDF}: 2231322.0/13$

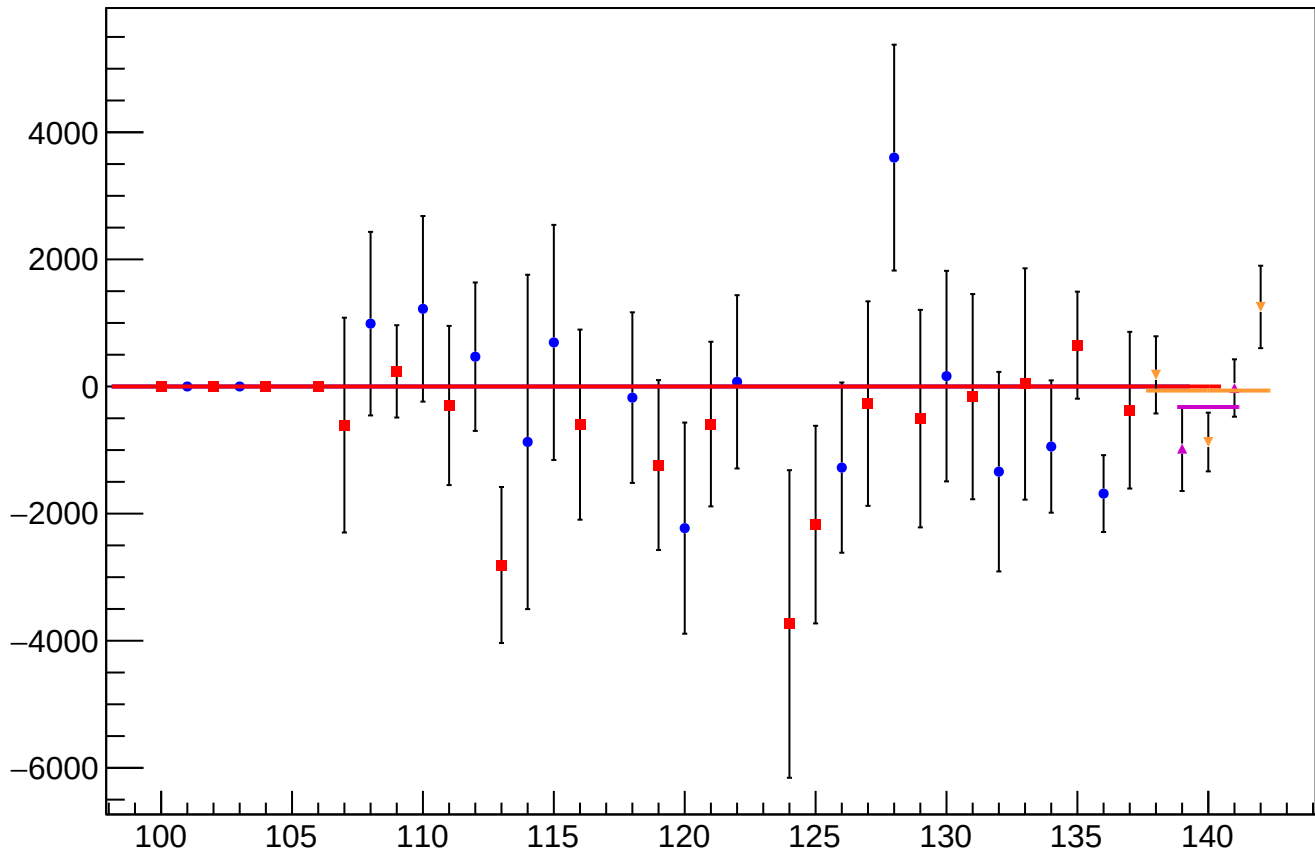
Left In: 1328.451 ± 0.767 $\chi^2/\text{NDF}: 423605.0/1$

+ sign 2013.213 ± 0.584 $\chi^2/\text{NDF}: 3099460.5/15$

All: 1871.161 ± 0.394 $\chi^2/\text{NDF}: 6454988.6/31$

- sign 1752.564 ± 0.534 $\chi^2/\text{NDF}: 3247148.5/15$

diff_cav4bX_mean vs Slug



Right In: 0.255 ± 0.356 χ^2/NDF : 17.7/15

Left Out: -63.837 ± 319.773 χ^2/NDF : 7.4/2

Right Out: 0.096 ± 0.328 χ^2/NDF : 15.4/18

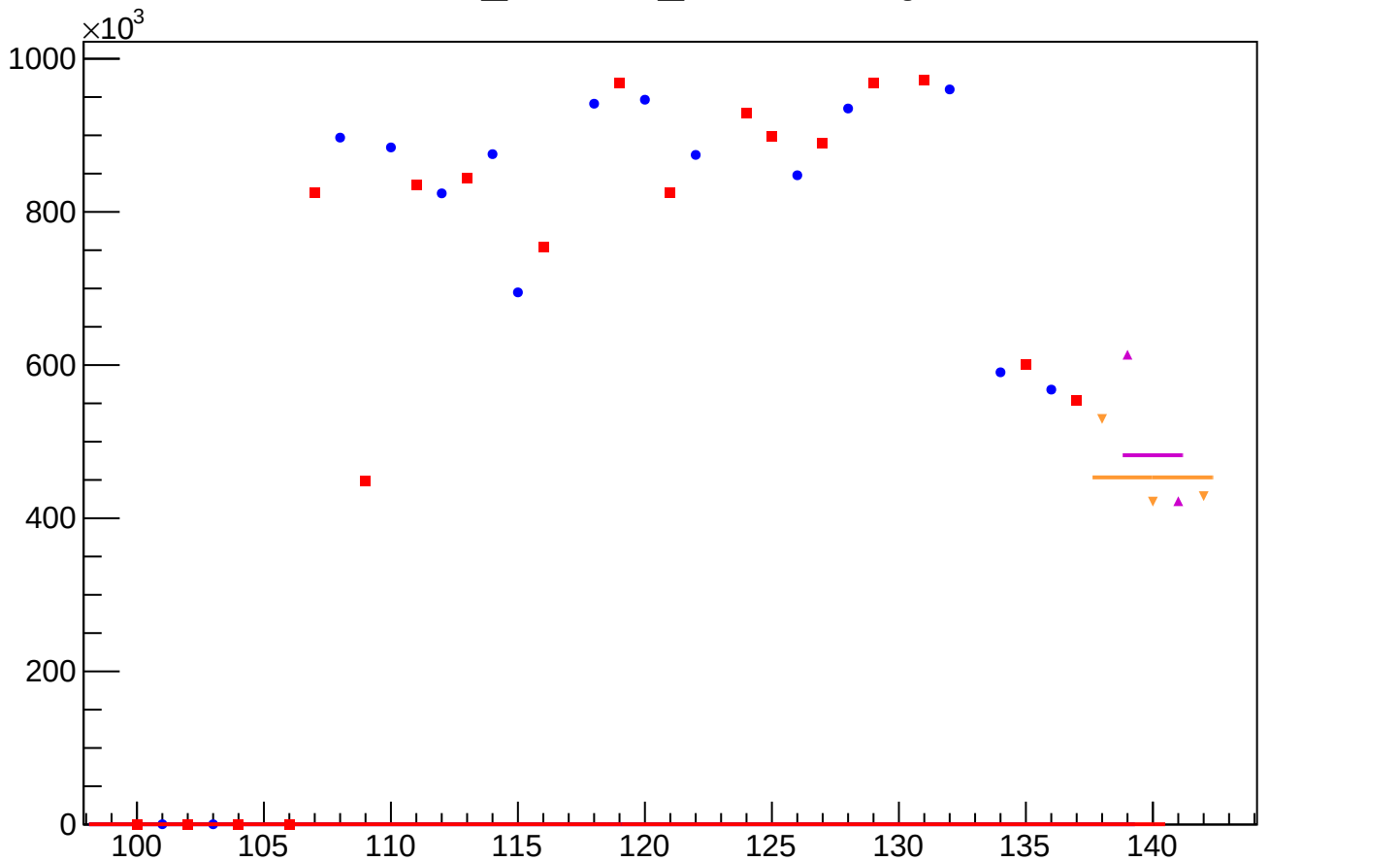
Left In: -322.627 ± 373.752 χ^2/NDF : 1.4/1

+ sign 0.255 ± 0.356 χ^2/NDF : 25.1/18

All: 0.169 ± 0.241 χ^2/NDF : 42.8/39

- sign 0.096 ± 0.328 χ^2/NDF : 17.6/20

diff_cav4bX_rms vs Slug



Right In: 398.881 $\pm$ 0.251 χ^2/NDF : 8491830.9/14

Left Out: 453335.651 $\pm$ 226.113 χ^2/NDF : 43826.0/2

Right Out: 393.240 $\pm$ 0.232 χ^2/NDF : 7648578.2/17

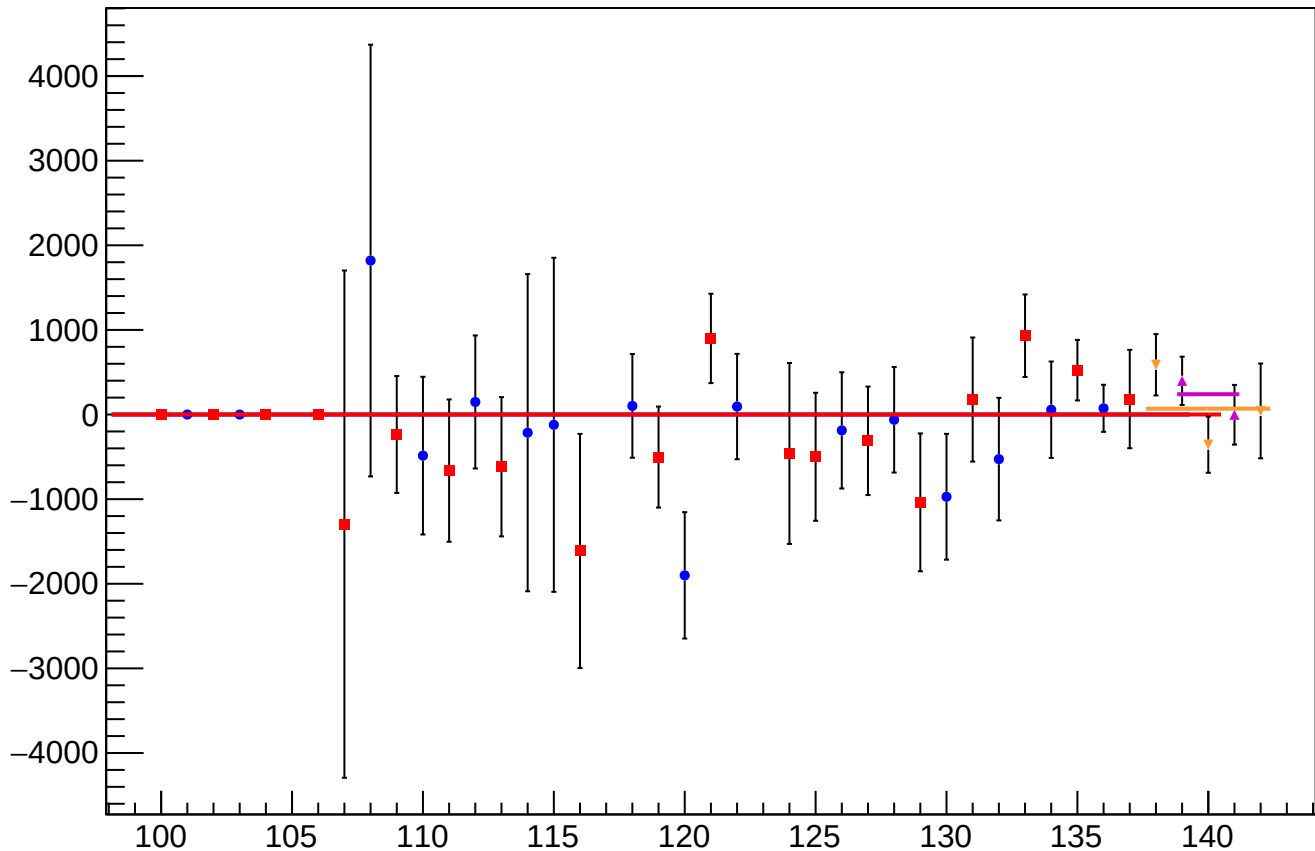
Left In: 482295.920 $\pm$ 264.282 χ^2/NDF : 112826.6/1

+ sign 399.441 $\pm$ 0.251 χ^2/NDF : 12548222.7/17

All: 396.289 $\pm$ 0.170 χ^2/NDF : 23634847.6/37

- sign 393.611 $\pm$ 0.232 χ^2/NDF : 11086334.3/19

diff_cav4bY_mean vs Slug



Right In: -0.020 ± 0.347 χ^2/NDF : 10.5/15

Left Out: 68.977 ± 224.196 χ^2/NDF : 3.7/2

Right Out: 0.599 ± 0.324 χ^2/NDF : 15.0/18

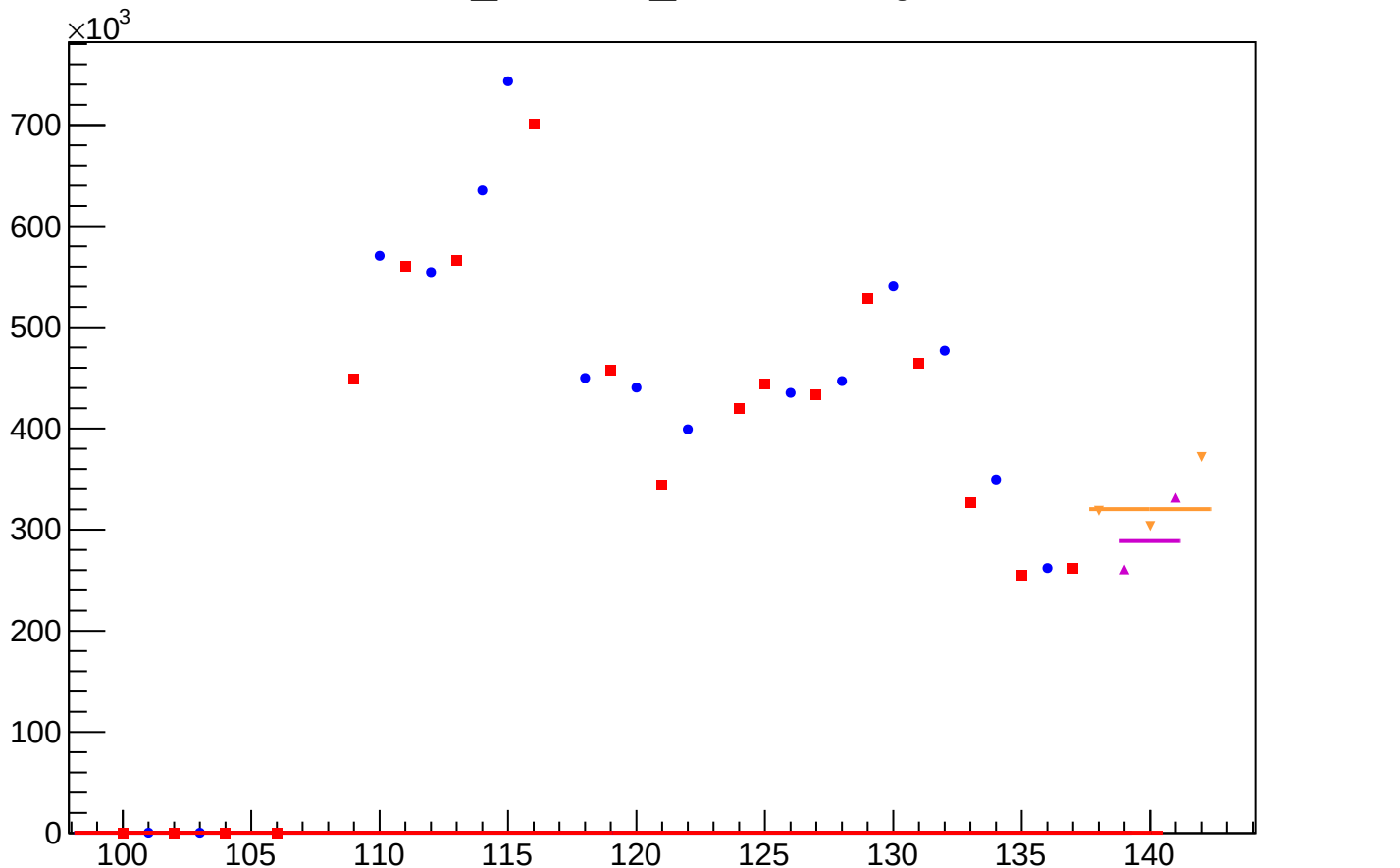
Left In: 240.113 ± 221.680 χ^2/NDF : 0.8/1

+ sign -0.020 ± 0.347 χ^2/NDF : 14.3/18

All: 0.311 ± 0.237 χ^2/NDF : 32.9/39

- sign 0.599 ± 0.324 χ^2/NDF : 17.0/20

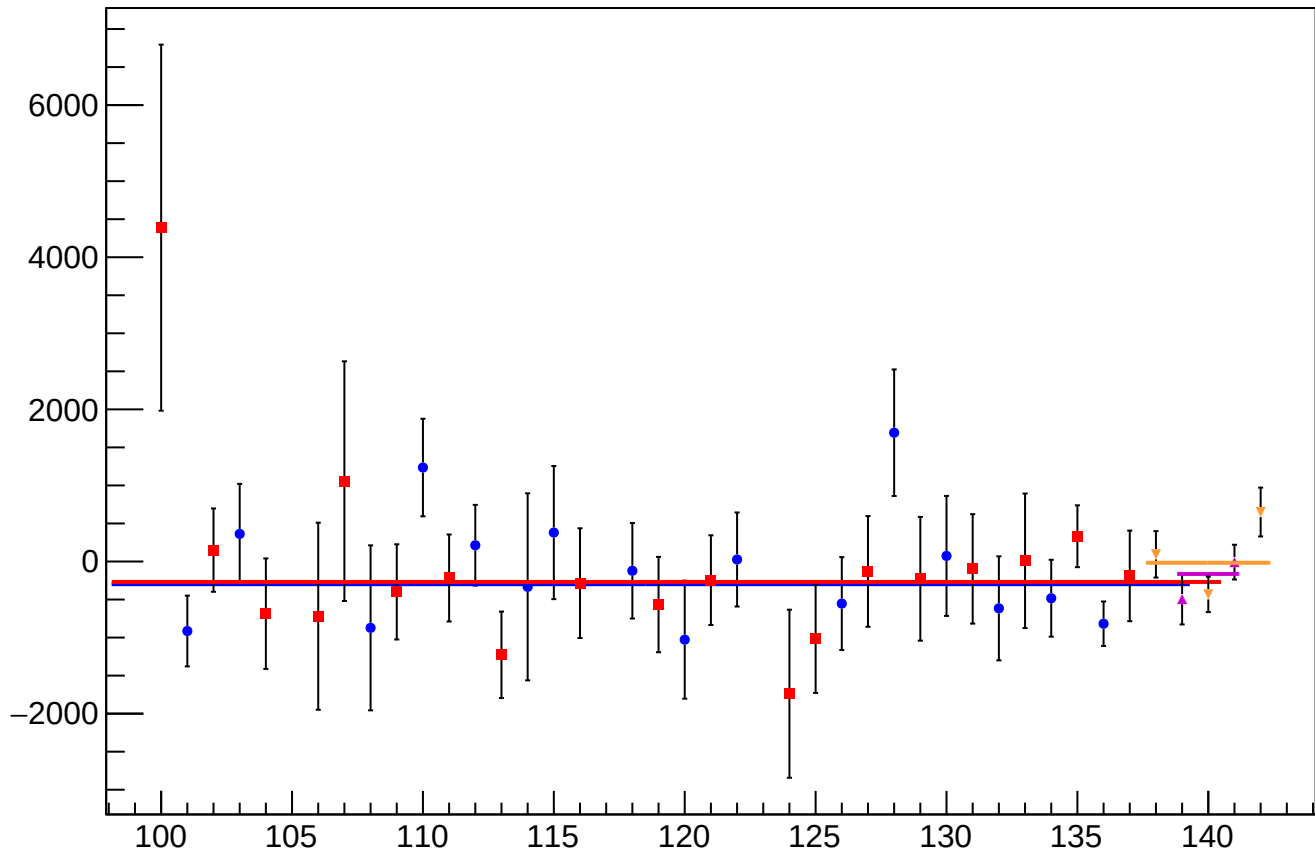
diff_cav4bY_rms vs Slug



Right In: 390.276 ± 0.245 χ^2/NDF : 11132240.7/14
 Left Out: 320275.210 ± 158.531 χ^2/NDF : 22056.5/2
 Right Out: 387.984 ± 0.229 χ^2/NDF : 11074302.3/17
 Left In: 288726.247 ± 156.752 χ^2/NDF : 48921.0/1

+ sign 391.042 ± 0.245 χ^2/NDF : 15225849.9/17
 All: 389.736 ± 0.167 χ^2/NDF : 29732729.1/37
 - sign 388.599 ± 0.229 χ^2/NDF : 14506826.2/19

diff_cav4cX_mean vs Slug



Right In: -298.263 ± 147.367 χ^2/NDF : 21.2/15

Left Out: -16.635 ± 160.427 χ^2/NDF : 7.6/2

Right Out: -268.892 ± 156.582 χ^2/NDF : 13.9/18

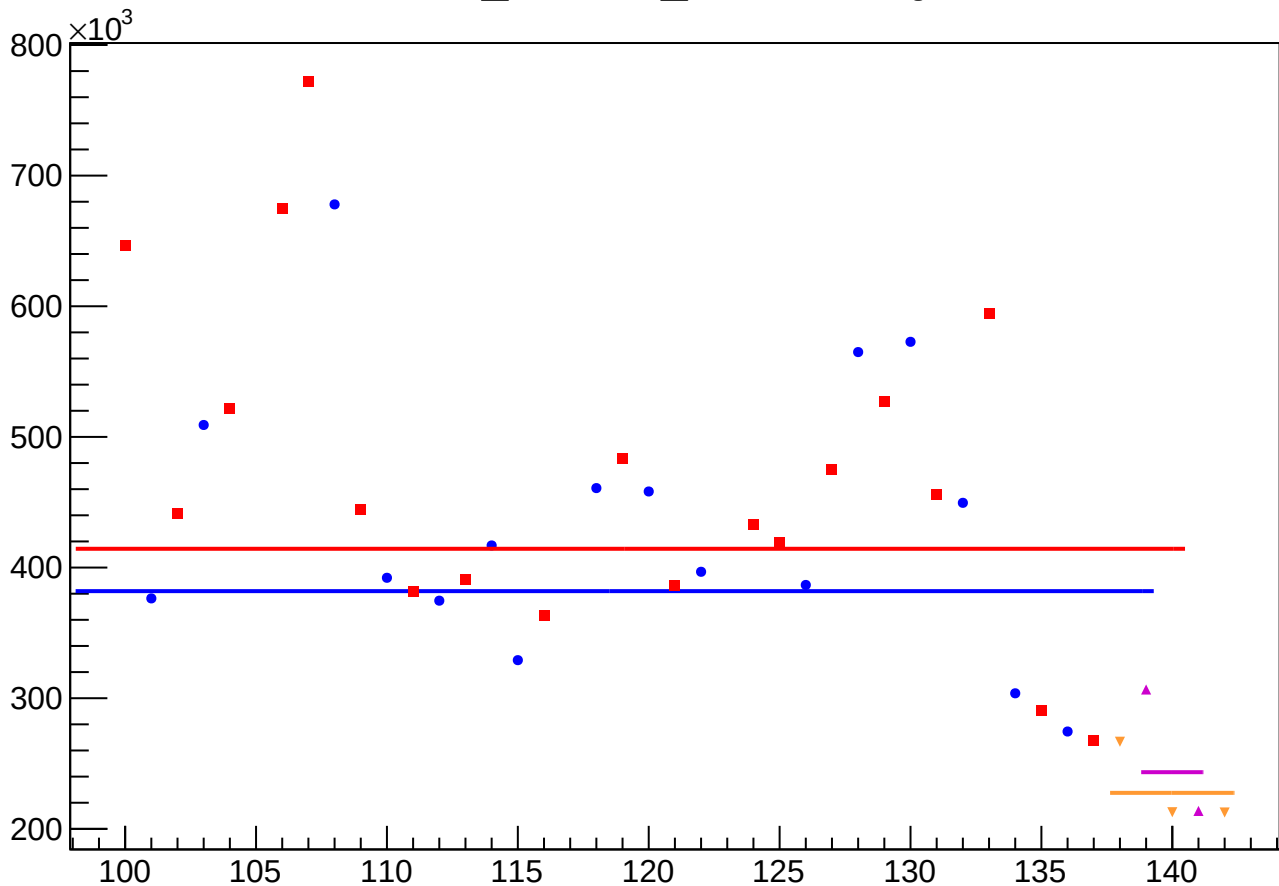
Left In: -163.141 ± 188.370 χ^2/NDF : 1.4/1

+ sign -169.377 ± 108.528 χ^2/NDF : 30.5/18

All: -194.613 ± 80.616 χ^2/NDF : 46.1/39

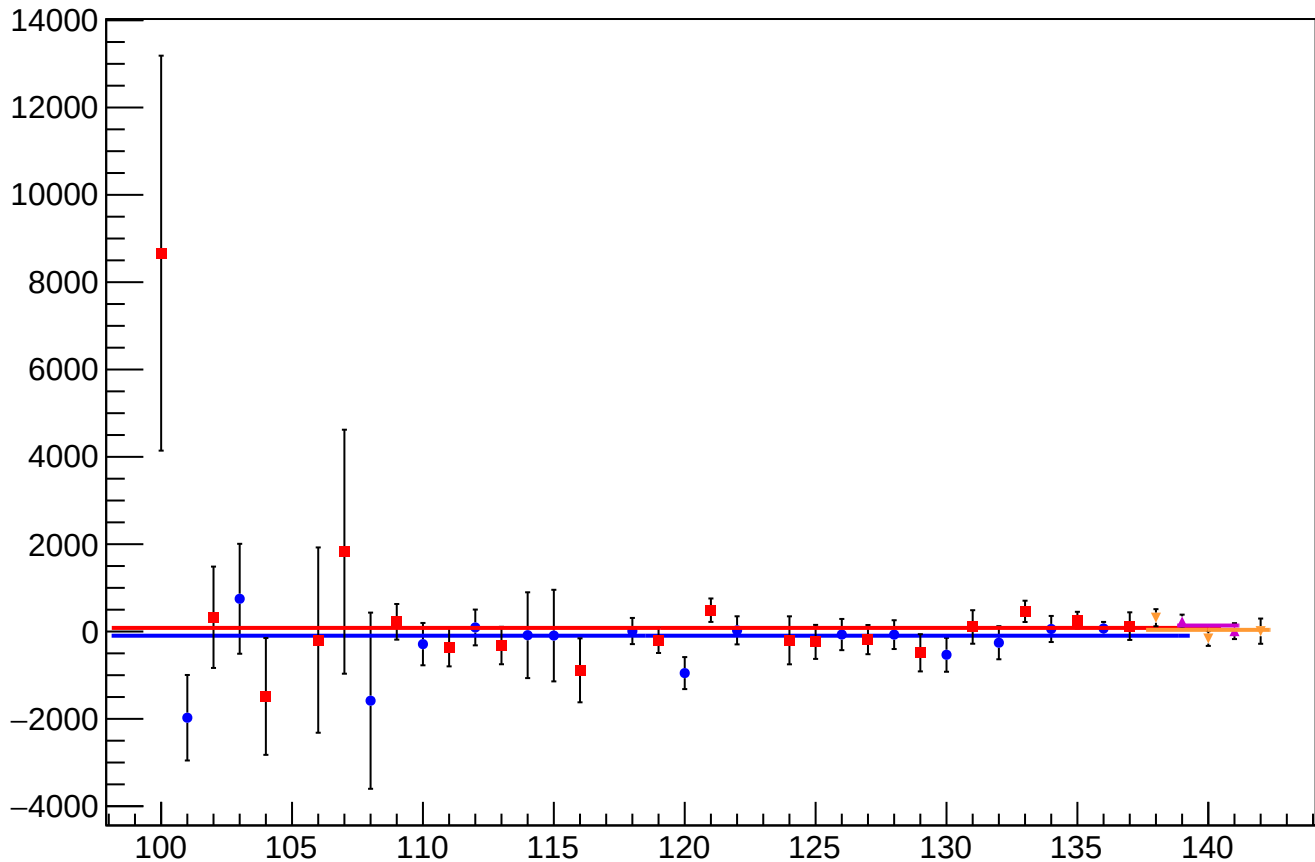
- sign -225.679 ± 120.413 χ^2/NDF : 15.5/20

diff_cav4cX_rms vs Slug



Right In: 381960.471 ± 104.223 $\chi^2/\text{NDF}: 836441.6/15$ $+ \text{sign } 311288.237 \pm 76.748$ $\chi^2/\text{NDF}: 1886246.3/18$
 Left Out: 227565.287 ± 113.439 $\chi^2/\text{NDF}: 45294.3/2$ All: 326167.649 ± 57.011 $\chi^2/\text{NDF}: 3810340.0/10$
 Right Out: 414378.043 ± 110.748 $\chi^2/\text{NDF}: 760082.5/18$ $- \text{sign } 344486.332 \pm 85.158$ $\chi^2/\text{NDF}: 1840233.3/20$
 Left In: 243388.097 ± 133.198 $\chi^2/\text{NDF}: 105785.4/1$

diff_cav4cY_mean vs Slug



Right In: -95.850 ± 88.267 χ^2/NDF : 13.7/15

Left Out: 38.227 ± 117.230 χ^2/NDF : 3.4/2

Right Out: 82.750 ± 87.316 χ^2/NDF : 19.1/18

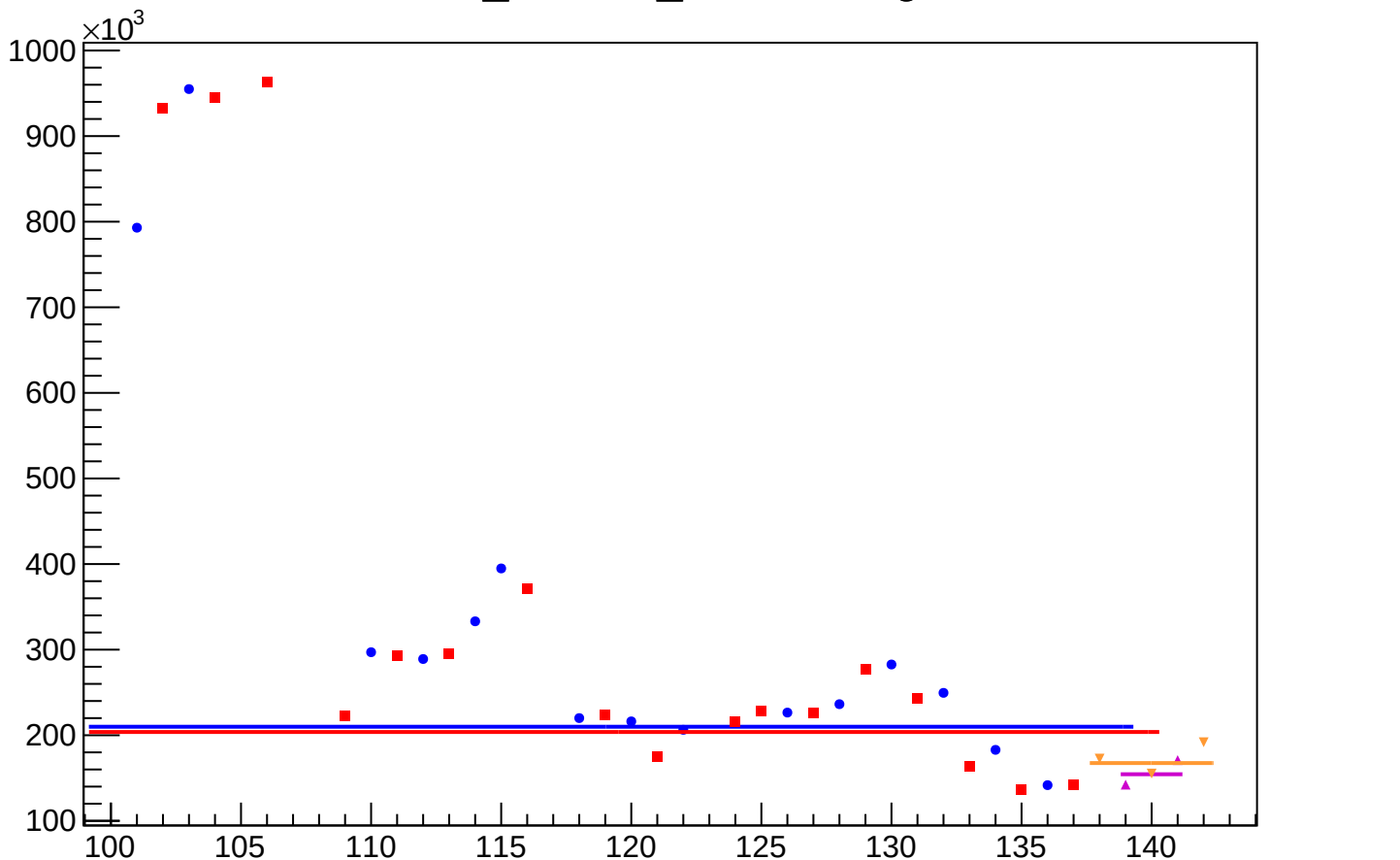
Left In: 137.152 ± 118.292 χ^2/NDF : 0.9/1

+ sign -47.341 ± 70.514 χ^2/NDF : 17.9/18

All: 27.577 ± 49.767 χ^2/NDF : 40.3/39

- sign 101.937 ± 70.250 χ^2/NDF : 20.1/20

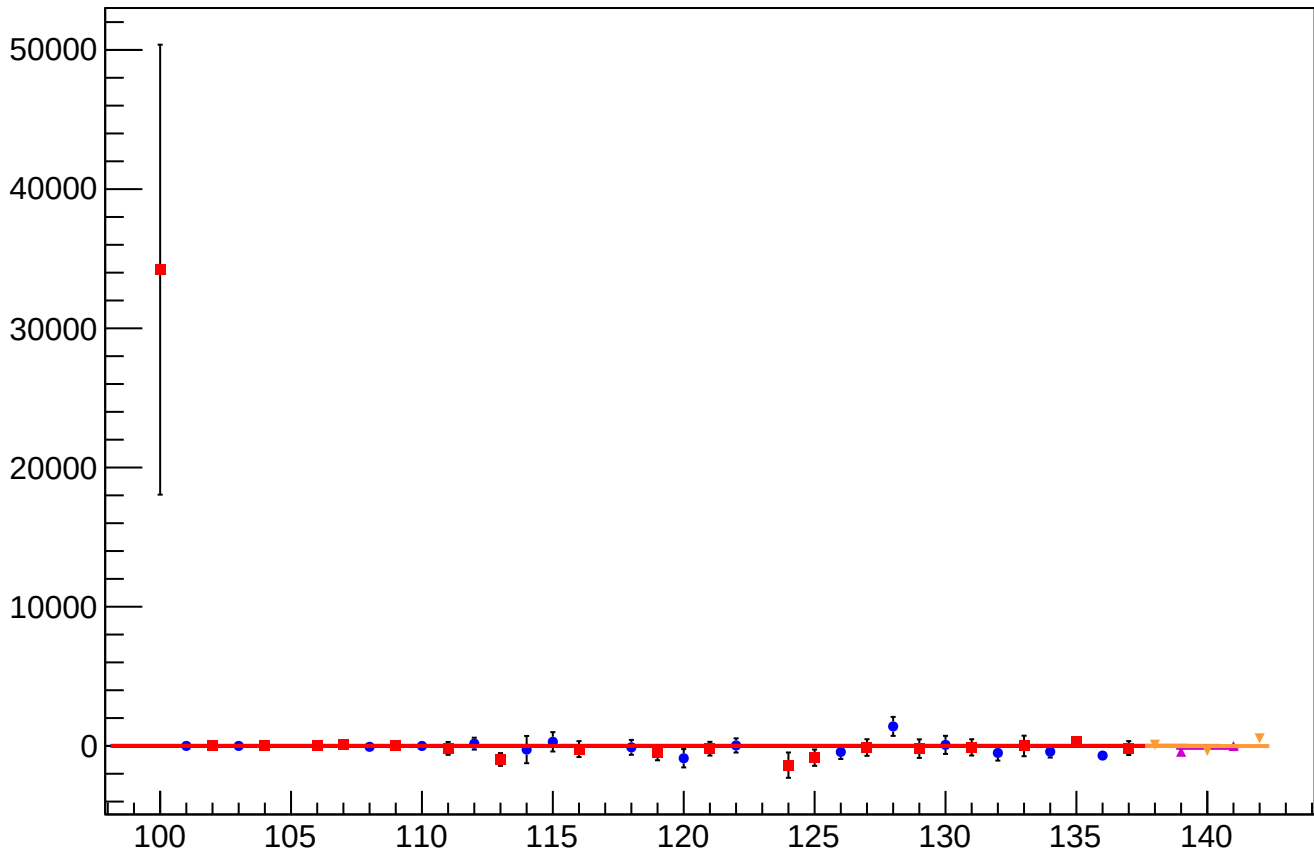
diff_cav4cY_rms vs Slug



Right In: 209929.195 $\pm$ 62.523 χ^2 /NDF: 1959897.2/14
 Left Out: 167501.713 $\pm$ 82.894 χ^2 /NDF:26040.6/2
 Right Out: 203793.382 $\pm$ 61.895 χ^2 /NDF: 2070478.1/16
 Left In: 154430.987 $\pm$ 83.645 χ^2 /NDF:28737.4/1

+ sign 194544.675 $\pm$ 49.916 χ^2 /NDF: 2152914.3/17
 All: 190422.976 $\pm$ 35.239 χ^2 /NDF: 4490766.
 - sign 186327.984 $\pm$ 49.754 χ^2 /NDF: 2324260.1/18

diff_cav4dX_mean vs Slug



Right In: -0.035 ± 0.172 χ^2/NDF : 18.1/15

Left Out: -10.672 ± 133.479 χ^2/NDF : 7.7/2

Right Out: -0.355 ± 0.160 χ^2/NDF : 16.5/18

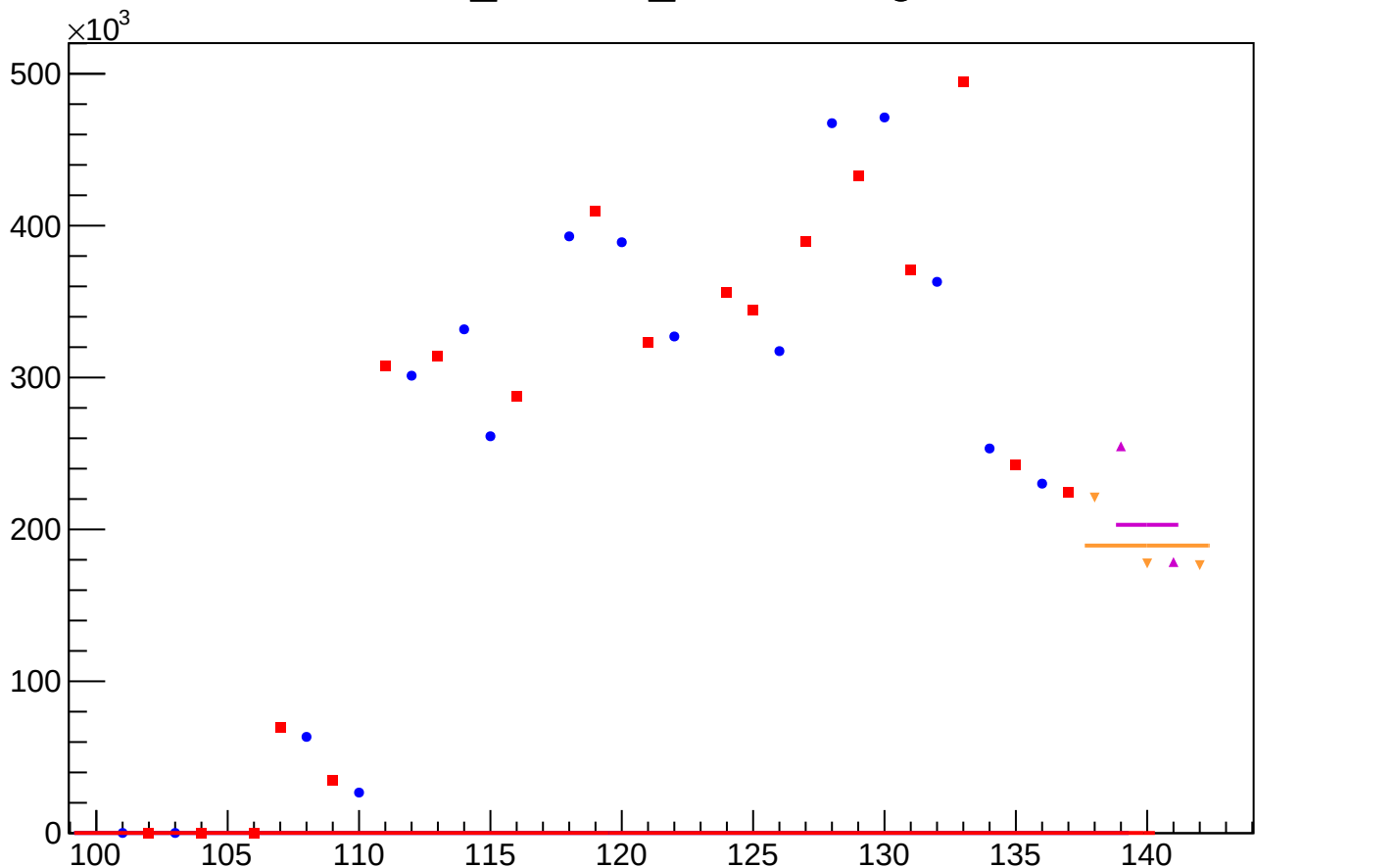
Left In: -139.421 ± 157.053 χ^2/NDF : 1.5/1

+ sign -0.035 ± 0.172 χ^2/NDF : 25.8/18

All: -0.207 ± 0.117 χ^2/NDF : 46.4/39

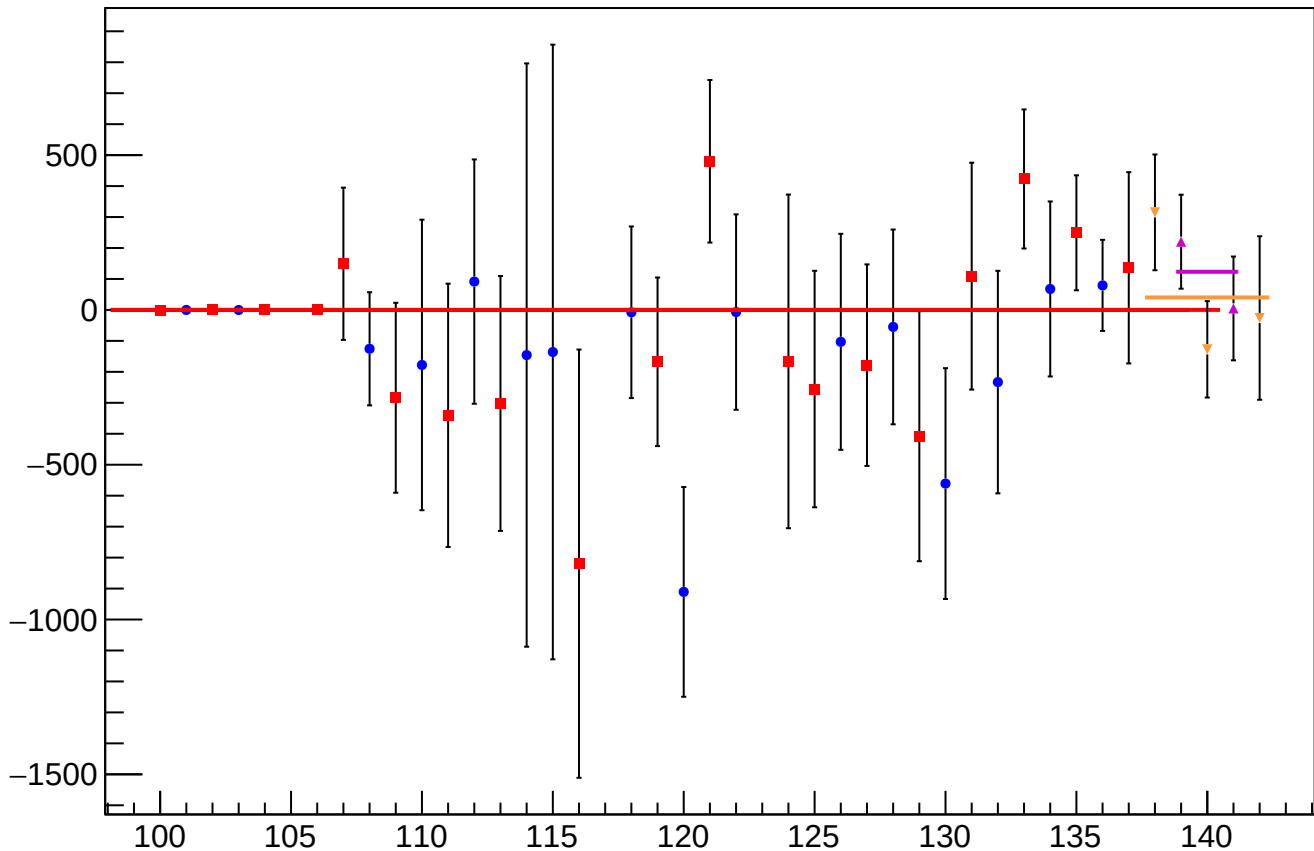
- sign -0.355 ± 0.160 χ^2/NDF : 18.8/20

diff_cav4dX_rms vs Slug



Right In: 149.092 $\pm$ 0.122 χ^2 /NDF: 11301940.9/15
 Left Out: 189376.141 $\pm$ 94.384 χ^2 /NDF:43224.7/2
 Right Out: 149.379 $\pm$ 0.113 χ^2 /NDF: 11288711.4/17
 Left In: 203020.693 $\pm$ 111.053 χ^2 /NDF:102757.8/1
 + sign 149.407 $\pm$ 0.122 χ^2 /NDF: 15364623.3/18
 All: 149.505 $\pm$ 0.083 χ^2 /NDF: 30093260.1/30
 - sign 149.590 $\pm$ 0.113 χ^2 /NDF: 14728635.6/19

diff_cav4dY_mean vs Slug



Right In: -0.068 ± 0.177 χ^2/NDF : 11.2/15

Left Out: 40.254 ± 108.982 χ^2/NDF : 3.4/2

Right Out: 0.126 ± 0.166 χ^2/NDF : 15.2/18

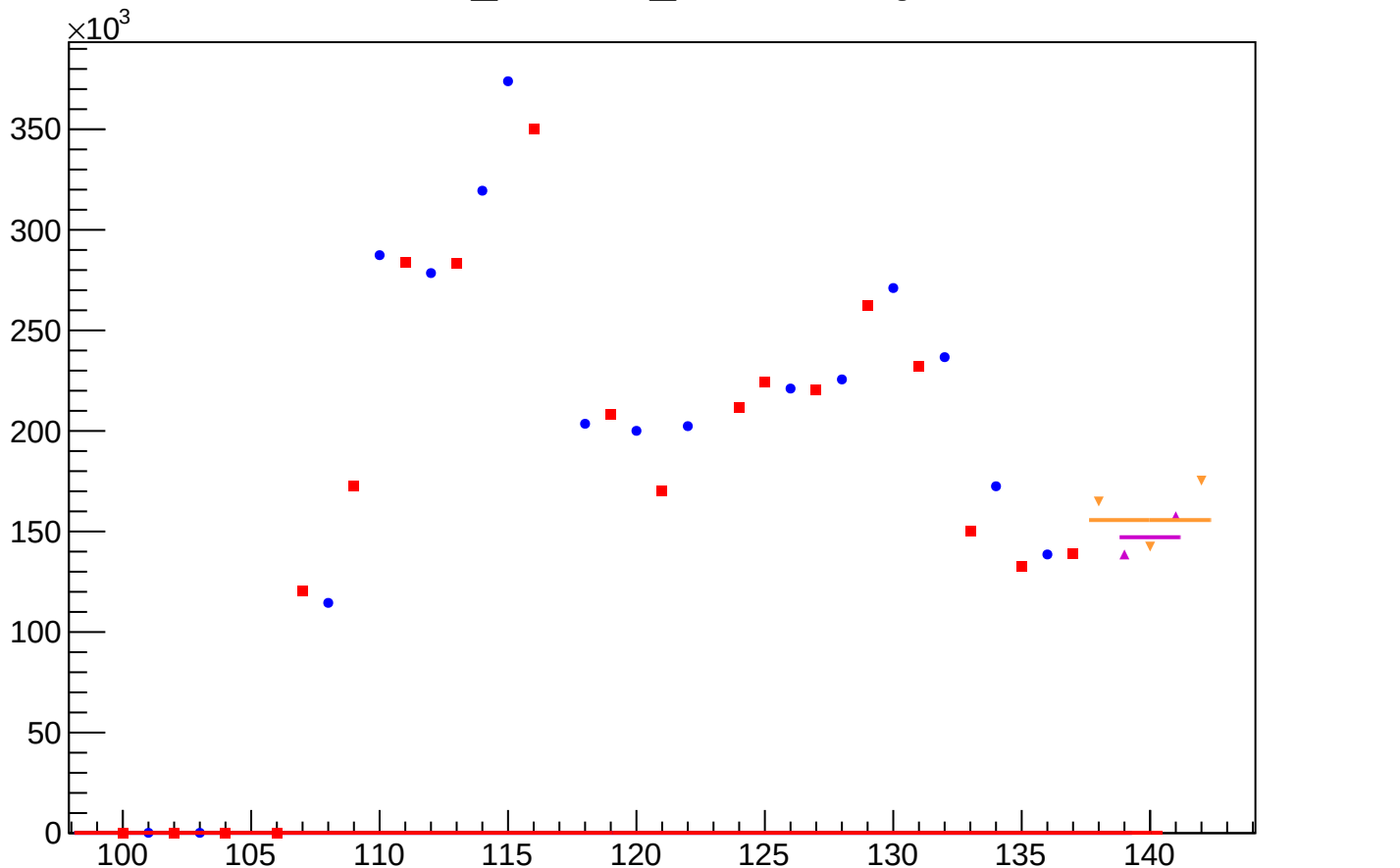
Left In: 123.249 ± 112.507 χ^2/NDF : 0.9/1

+ sign -0.068 ± 0.177 χ^2/NDF : 14.7/18

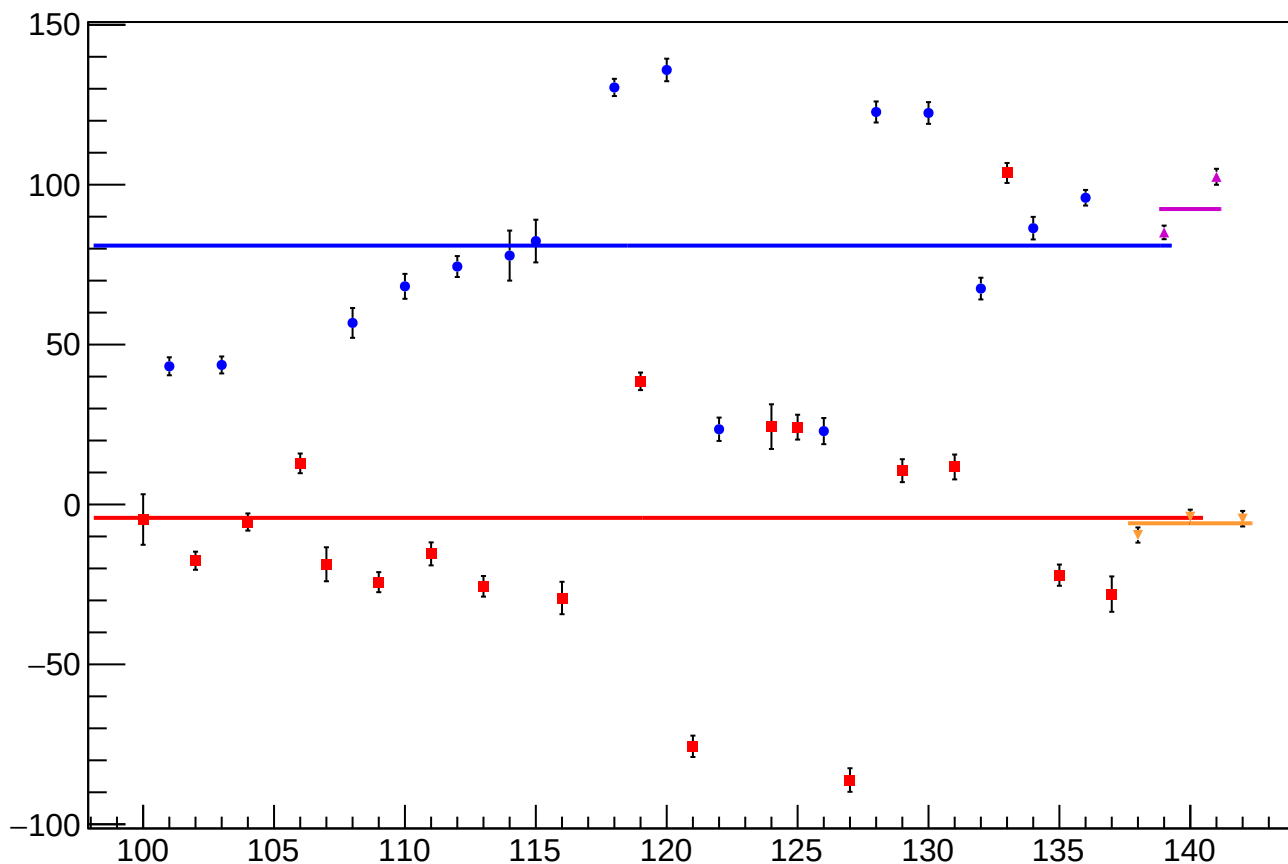
All: 0.035 ± 0.121 χ^2/NDF : 32.7/39

- sign 0.126 ± 0.166 χ^2/NDF : 17.3/20

diff_cav4dY_rms vs Slug



diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF : 1813.9/15

Left Out: -5.878+/-1.350 χ^2/NDF : 3.6/2

Right Out: -4.183+/-0.820 χ^2/NDF : 2719.7/18

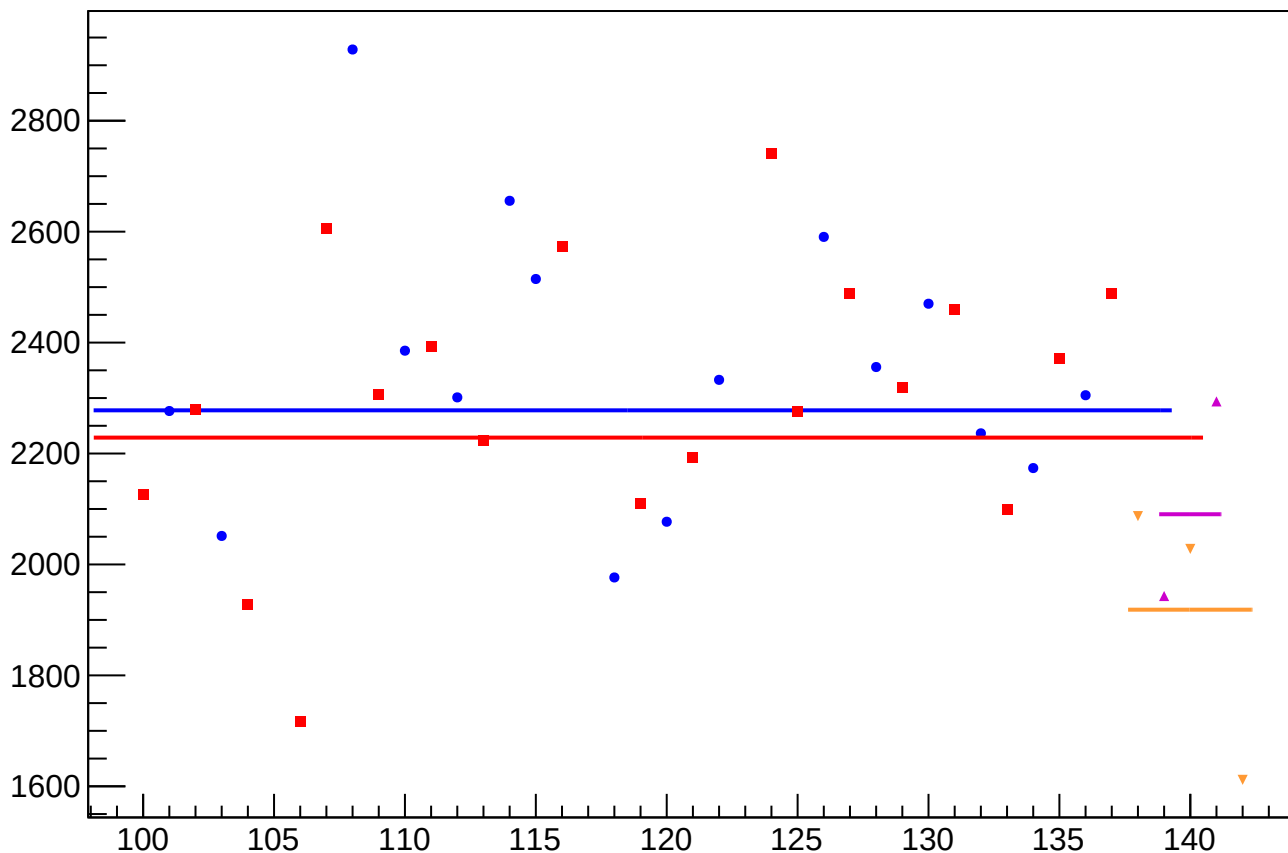
Left In: 92.391+/-1.621 χ^2/NDF : 28.0/1

+ sign 56.253+/-0.720 χ^2/NDF : 4776.2/18

All: 36.200+/-0.513 χ^2/NDF : 11925.4/39

- sign 15.499+/-0.732 χ^2/NDF : 5573.8/20

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF : 115771.4/15

Left Out: 1918.442+/-0.955 χ^2/NDF : 46854.7/2

Right Out: 2228.689+/-0.580 χ^2/NDF : 151135.6/18

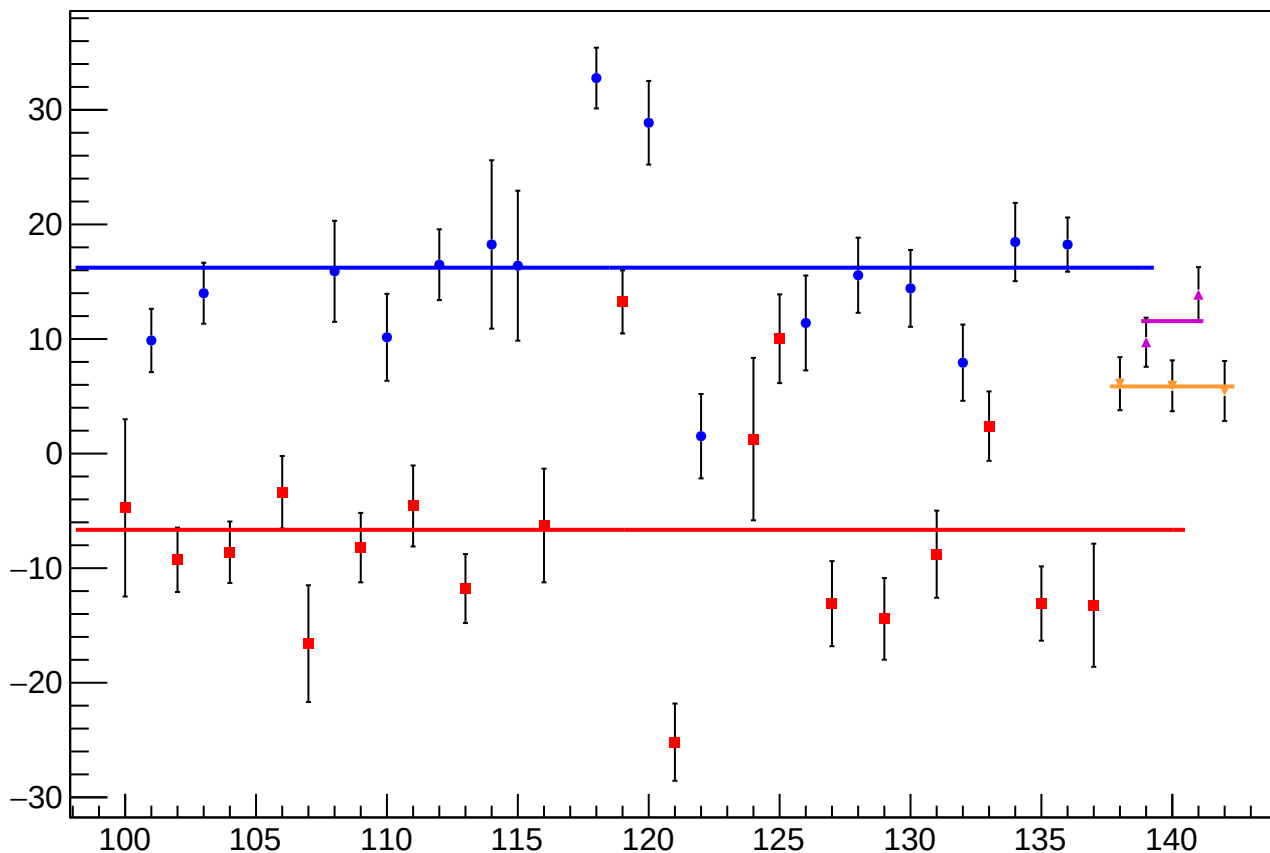
Left In: 2090.524+/-1.146 χ^2/NDF : 22830.3/1

+ sign 2175.619+/-0.509 χ^2/NDF : 264010.9/18

All: 2187.877+/-0.363 χ^2/NDF : 450723.1/39

- sign 2200.531+/-0.517 χ^2/NDF : 185534.8/20

diff_bpm0i01Y_mean vs Slug



Right In: 16.226 ± 0.838 χ^2/NDF : 84.5/15

Left Out: 5.860 ± 1.366 χ^2/NDF : 0.0/2

Right Out: -6.652 ± 0.809 χ^2/NDF : 134.6/18

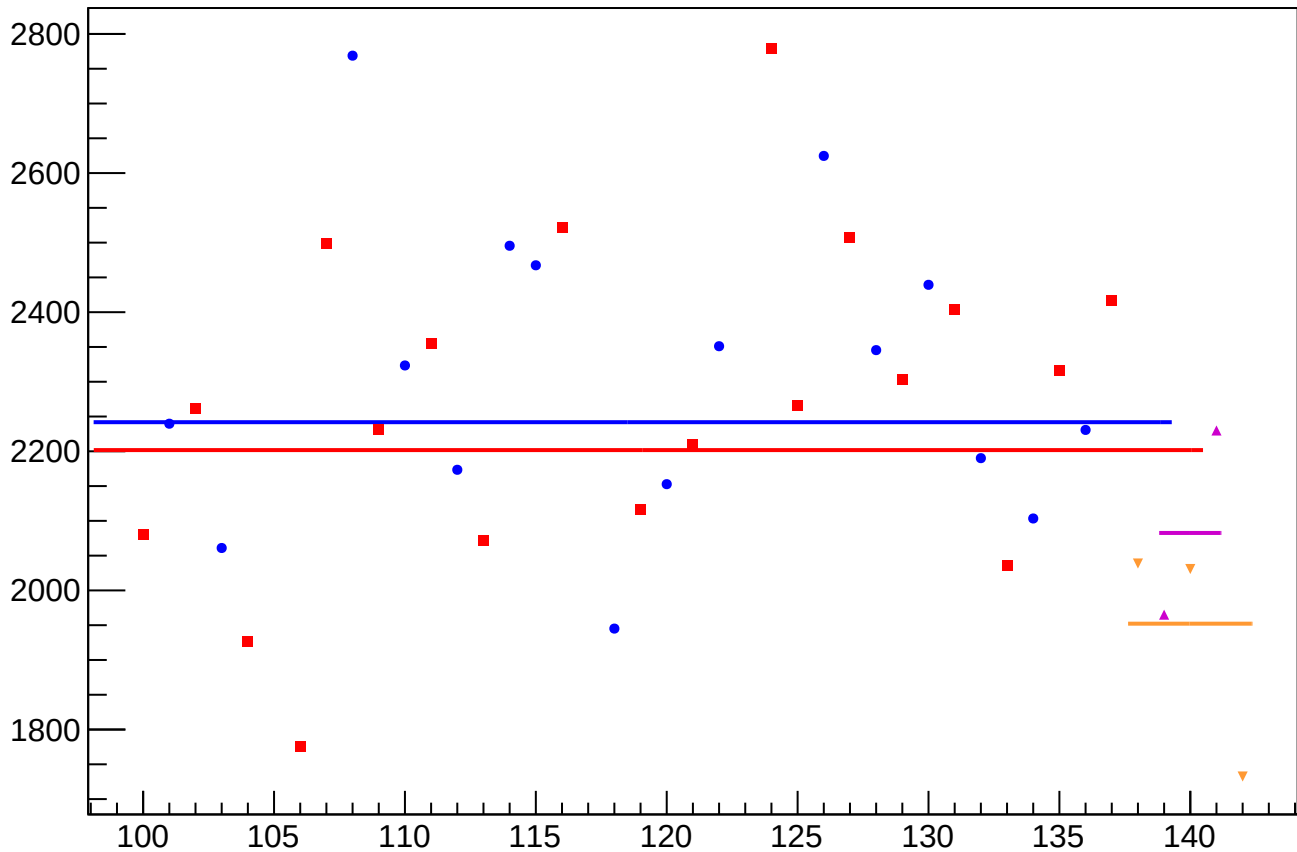
Left In: 11.563 ± 1.598 χ^2/NDF : 1.7/1

+ sign 13.395 ± 0.714 χ^2/NDF : 126.4/18

All: 5.320 ± 0.508 χ^2/NDF : 624.6/39

- sign -2.935 ± 0.722 χ^2/NDF : 239.6/20

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853 $\pm$ 0.592 χ^2 /NDF: 102260.7/15

Left Out: 1952.178 $\pm$ 0.966 χ^2 /NDF: 19401.7/2

Right Out: 2201.739 $\pm$ 0.572 χ^2 /NDF: 129882.5/18

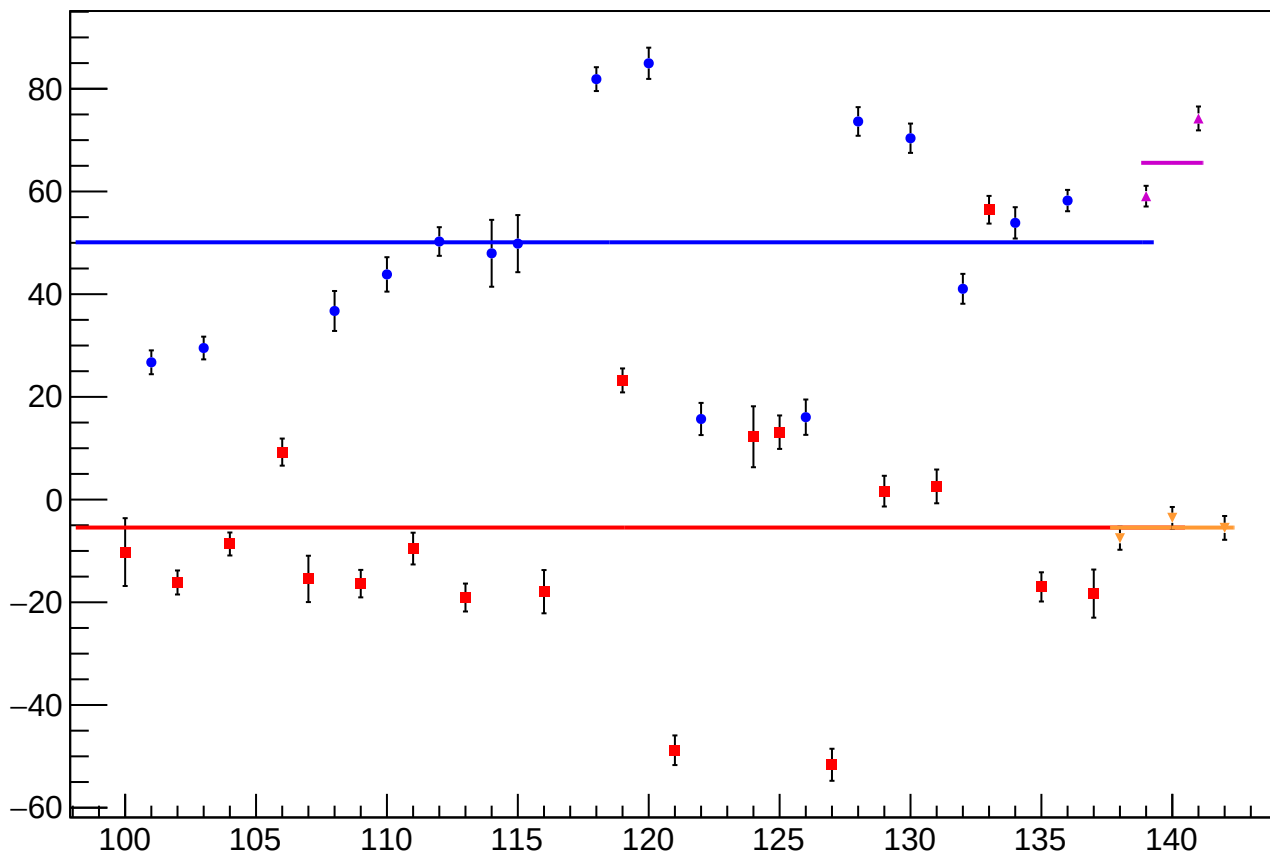
Left In: 2082.612 $\pm$ 1.130 χ^2 /NDF: 13546.0/1

+ sign 2162.732 $\pm$ 0.505 χ^2 /NDF: 186998.9/18

All: 2170.000 $\pm$ 0.359 χ^2 /NDF: 339688.8/39

- sign 2177.431 $\pm$ 0.511 χ^2 /NDF: 152270.9/20

diff_bpm0i01aX_mean vs Slug



Right In: 50.102 $\pm$ 0.722 χ^2 /NDF: 888.5/15

Left Out: -5.450 $\pm$ 1.281 χ^2 /NDF:1.7/2

Right Out: -5.444 $\pm$ 0.694 χ^2 /NDF: 1311.6/18

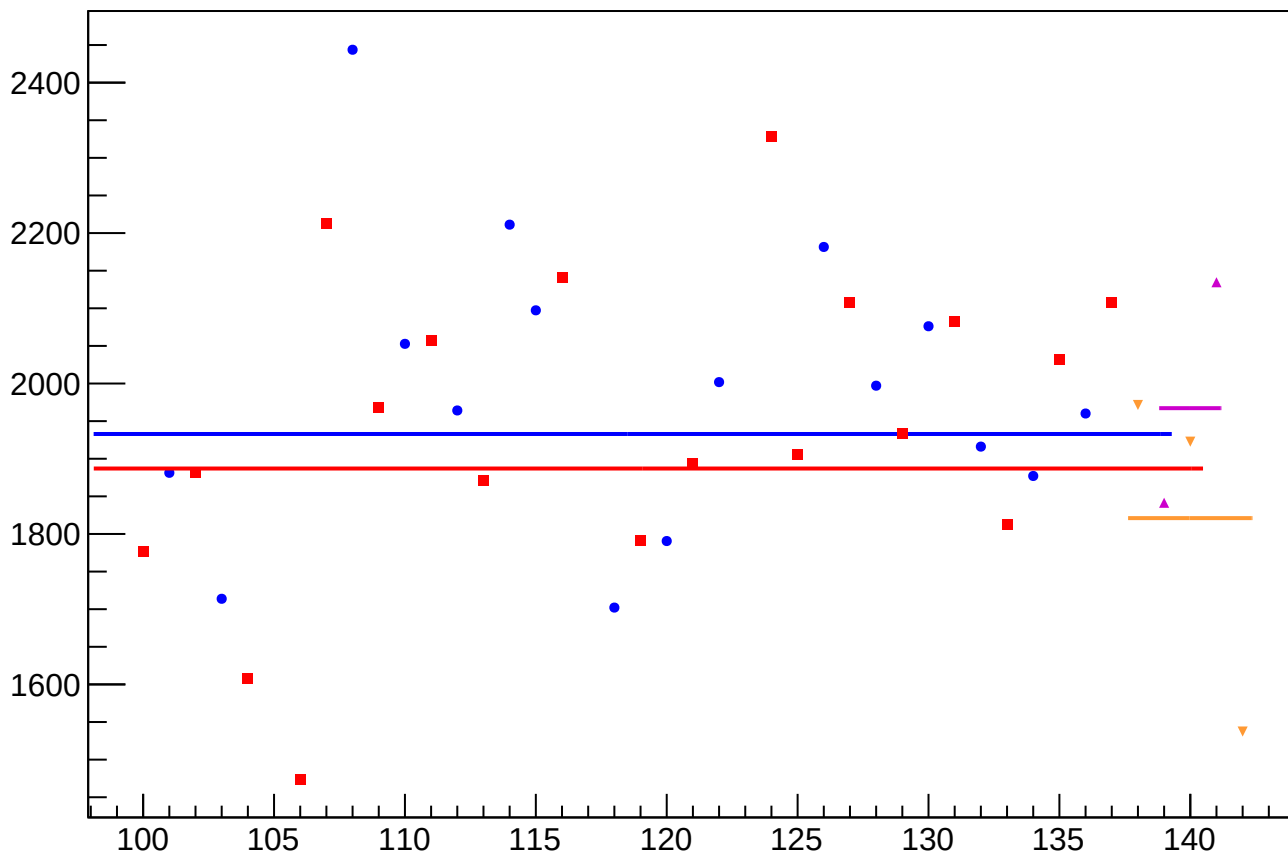
Left In: 65.580 $\pm$ 1.523 χ^2 /NDF:24.2/1

+ sign 36.702 $\pm$ 0.629 χ^2 /NDF: 2317.7/18

All: 21.804 $\pm$ 0.446 χ^2 /NDF: 6581.2/39

- sign 6.780 $\pm$ 0.632 χ^2 /NDF: 3136.9/20

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904 $\pm$ 0.511 χ^2 /NDF: 105967.6/15

Left Out: 1821.070 $\pm$ 0.906 χ^2 /NDF: 43597.7/2

Right Out: 1887.006 $\pm$ 0.491 χ^2 /NDF: 149746.6/18

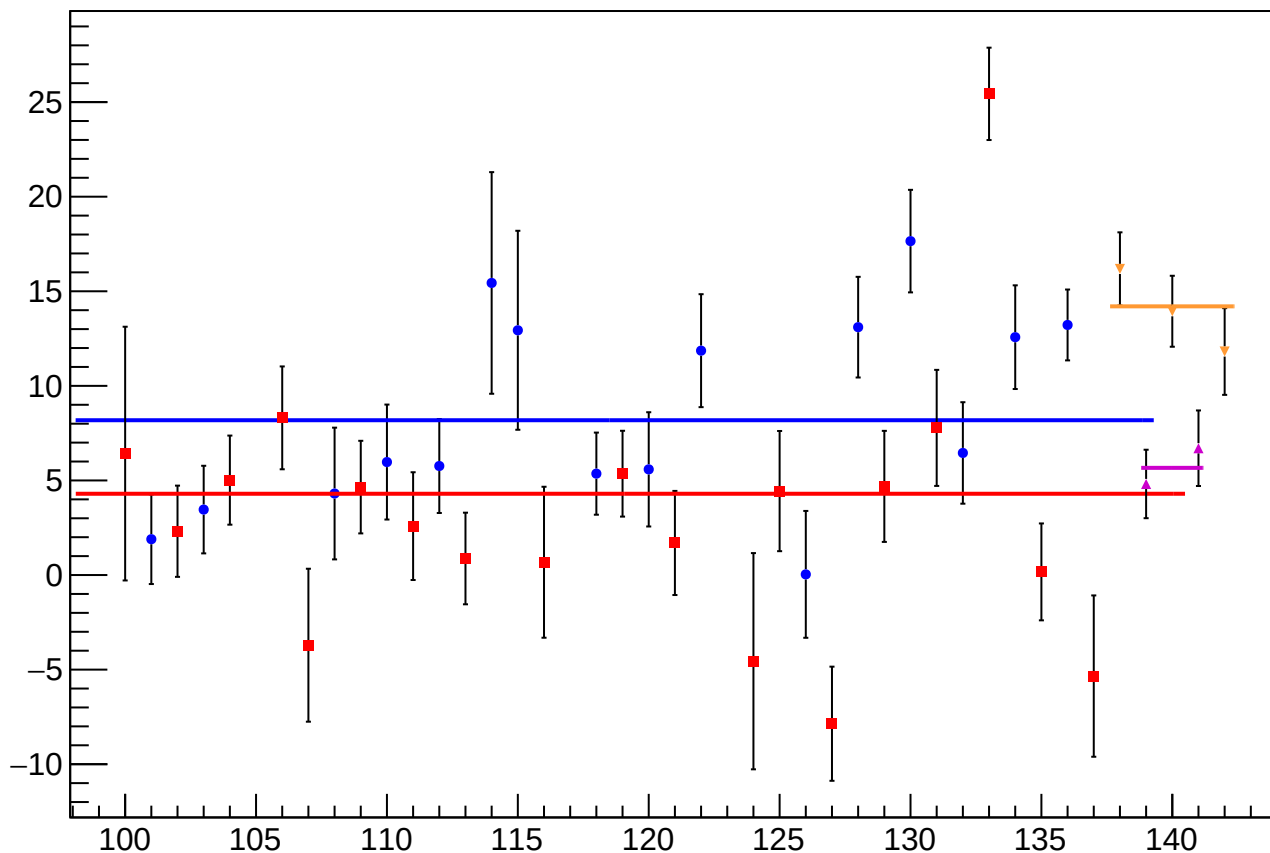
Left In: 1967.237 $\pm$ 1.077 χ^2 /NDF: 18156.8/1

+ sign 1905.928 $\pm$ 0.445 χ^2 /NDF: 161136.0/18

All: 1903.382 $\pm$ 0.315 χ^2 /NDF: 333702.0/39

- sign 1900.814 $\pm$ 0.447 χ^2 /NDF: 172500.2/20

diff_bpm0i01aY_mean vs Slug



Right In: 8.183 ± 0.684 χ^2/NDF : 52.0/15

Left Out: 14.203 ± 1.161 χ^2/NDF : 2.1/2

Right Out: 4.297 ± 0.665 χ^2/NDF : 114.0/18

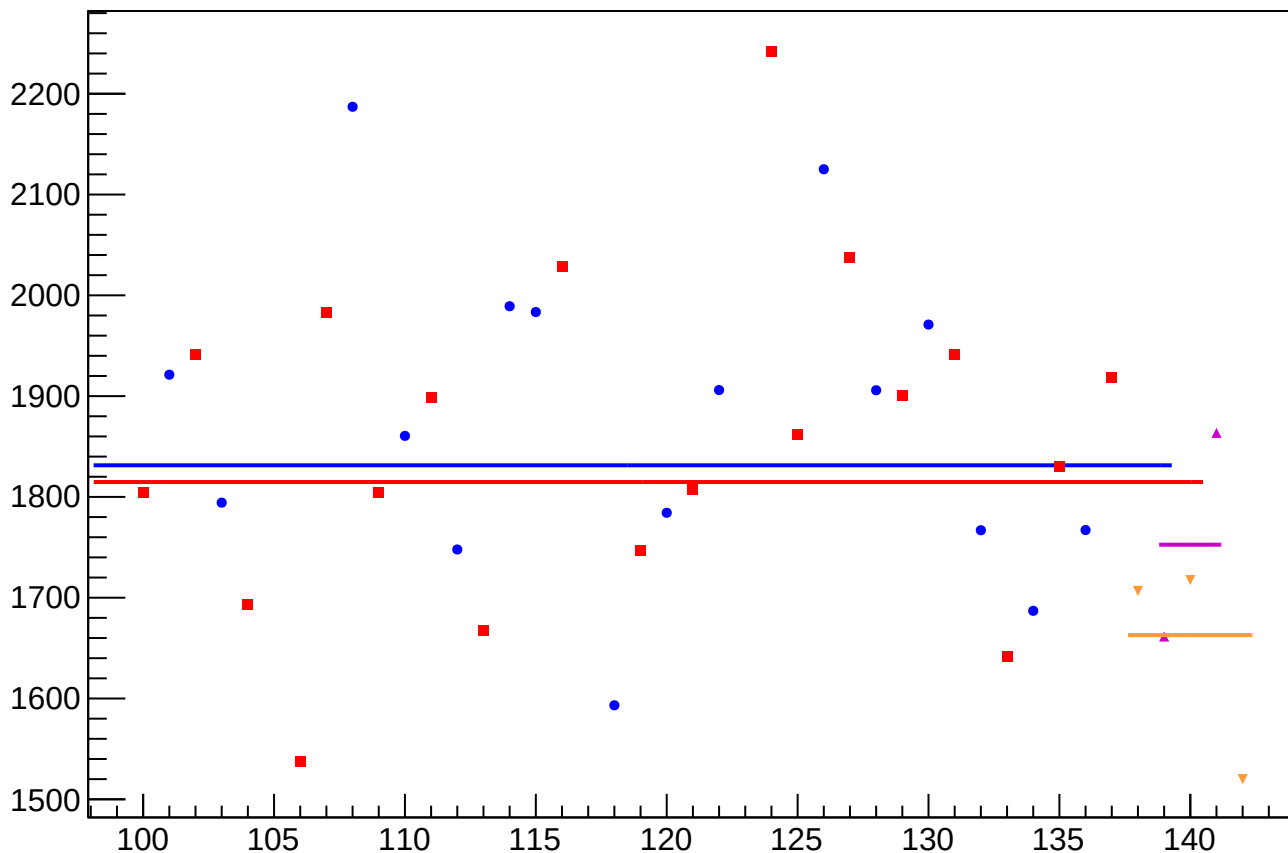
Left In: 5.666 ± 1.341 χ^2/NDF : 0.5/1

+ sign 9.732 ± 0.589 χ^2/NDF : 74.1/18

All: 7.180 ± 0.419 χ^2/NDF : 227.3/39

- sign 4.567 ± 0.596 χ^2/NDF : 115.3/20

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF : 86919.2/15

Left Out: 1662.908+/-0.821 χ^2/NDF : 10498.7/2

Right Out: 1814.774+/-0.471 χ^2/NDF : 90738.7/18

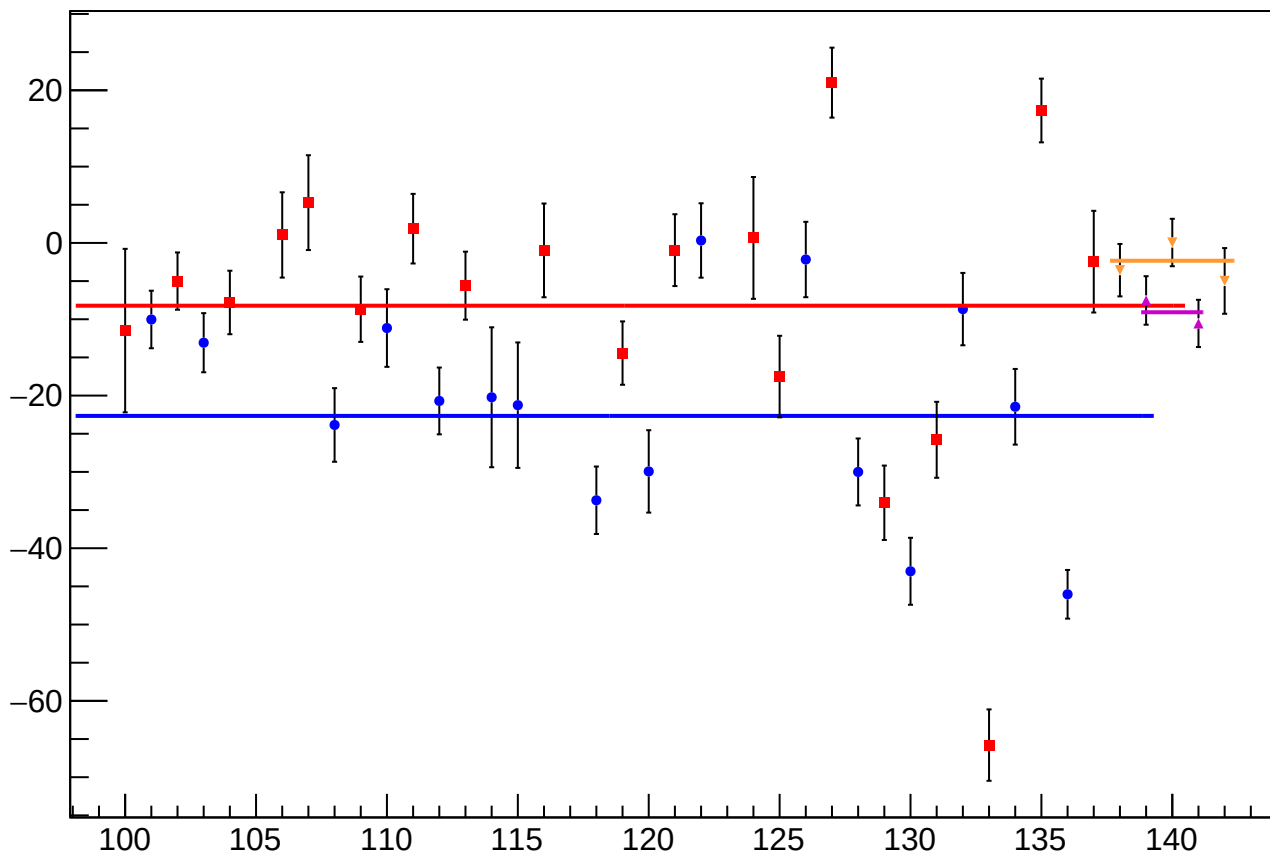
Left In: 1752.605+/-0.948 χ^2/NDF : 11243.2/1

+ sign 1788.007+/-0.417 χ^2/NDF : 128675.9/18

All: 1795.161+/-0.296 χ^2/NDF : 234704.7/39

- sign 1802.487+/-0.421 χ^2/NDF : 105431.6/20

diff_bpm0l01X_mean vs Slug



Right In: -22.663 ± 1.152 χ^2/NDF : 157.2/15

Left Out: -2.334 ± 2.031 χ^2/NDF : 1.1/2

Right Out: -8.224 ± 1.129 χ^2/NDF : 294.8/18

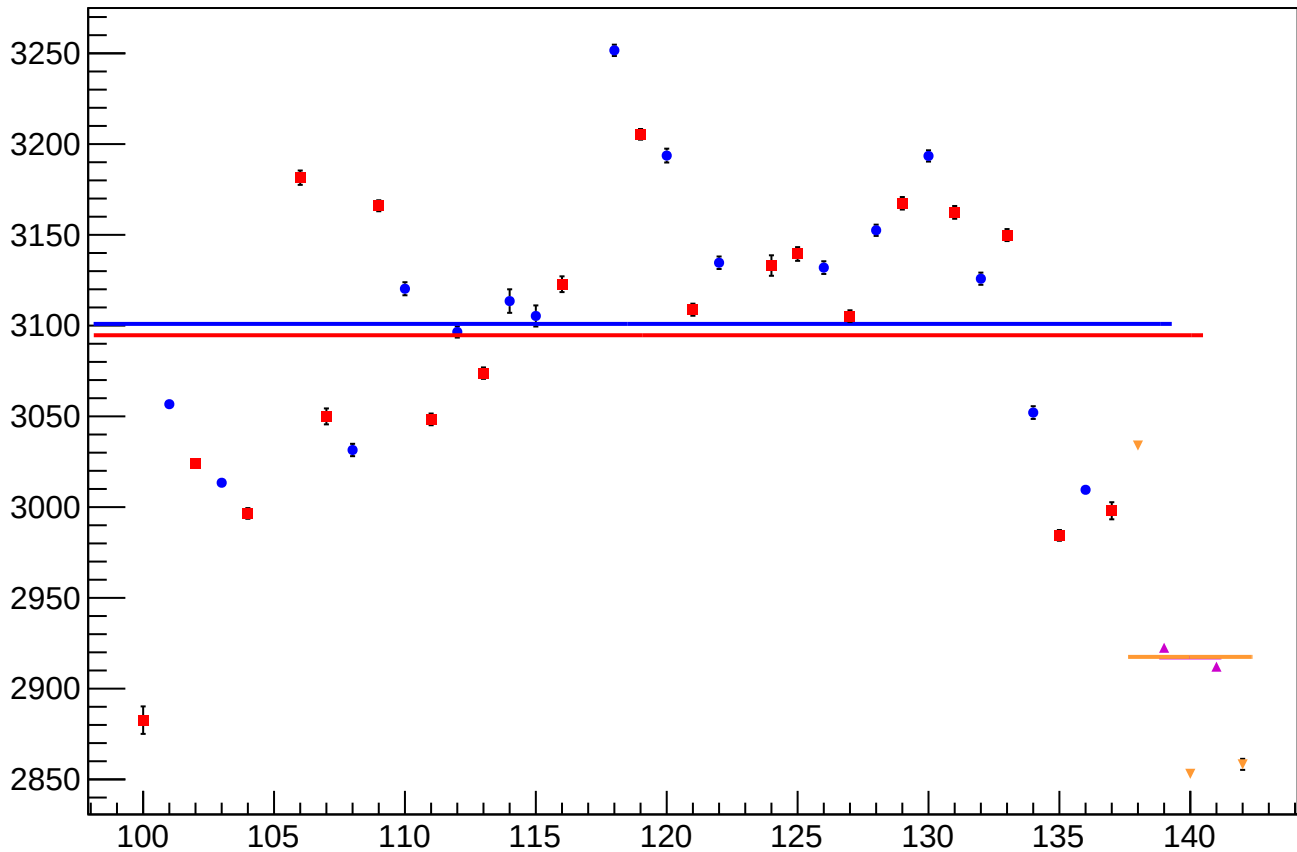
Left In: -9.083 ± 2.217 χ^2/NDF : 0.5/1

+ sign -17.716 ± 1.002 χ^2/NDF : 234.1/18

All: -13.077 ± 0.710 χ^2/NDF : 572.5/39

- sign -8.401 ± 1.006 χ^2/NDF : 295.4/20

diff_bpm0l01X_rms vs Slug



Right In: 3100.940 $\pm$ 0.815 χ^2 /NDF: 7893.7/15

Left Out: 2917.492 $\pm$ 1.436 χ^2 /NDF: 3536.2/2

Right Out: 3094.688 $\pm$ 0.798 χ^2 /NDF: 8584.4/18

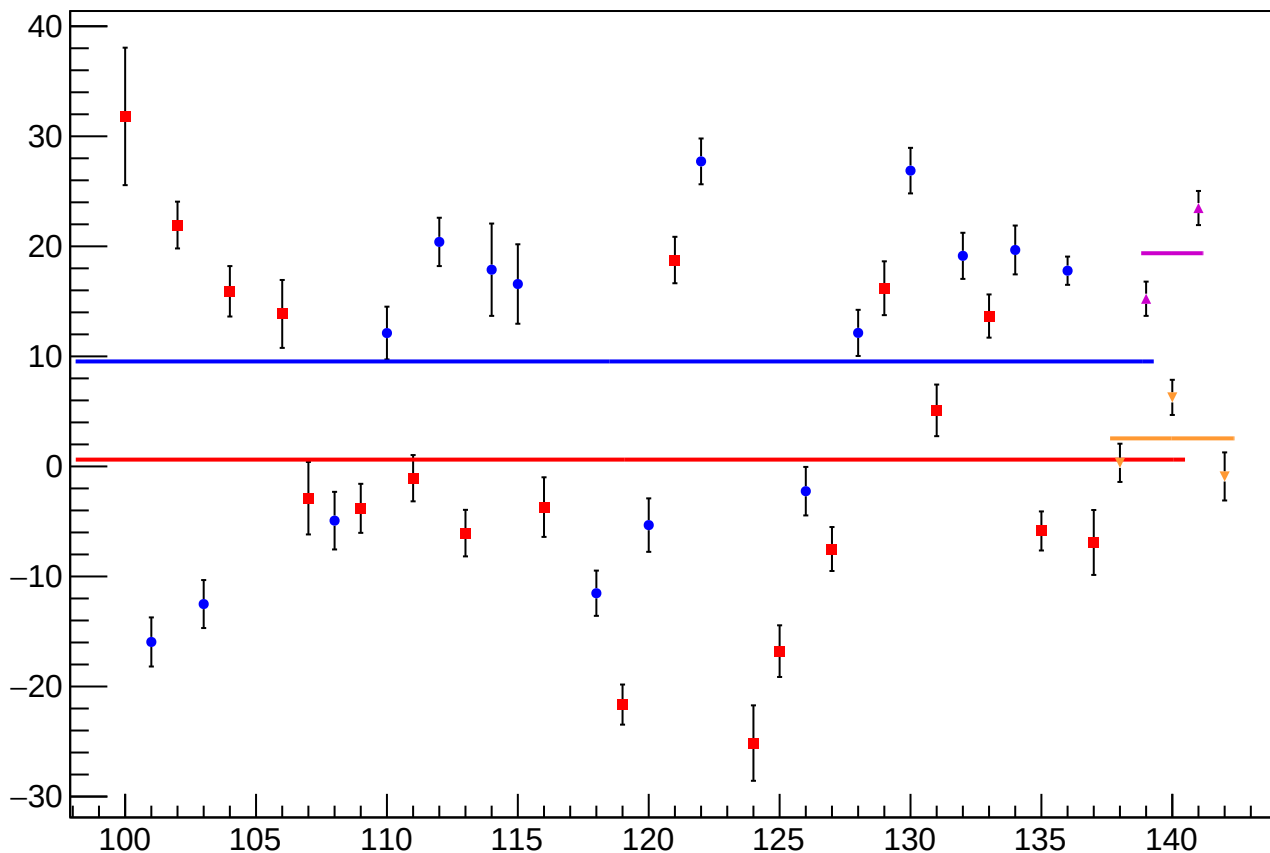
Left In: 2917.187 $\pm$ 1.568 χ^2 /NDF: 11.0/1

+ sign 3056.304 $\pm$ 0.709 χ^2 /NDF: 23771.8/18

All: 3057.226 $\pm$ 0.502 χ^2 /NDF: 42549.0/39

- sign 3058.155 $\pm$ 0.711 χ^2 /NDF: 18773.8/20

diff_bpm0l01Y_mean vs Slug



Right In: 9.540 $\pm$ 0.541 χ^2 /NDF: 698.7/15

Left Out: 2.548 $\pm$ 1.035 χ^2 /NDF: 9.6/2

Right Out: 0.620 $\pm$ 0.534 χ^2 /NDF: 665.8/18

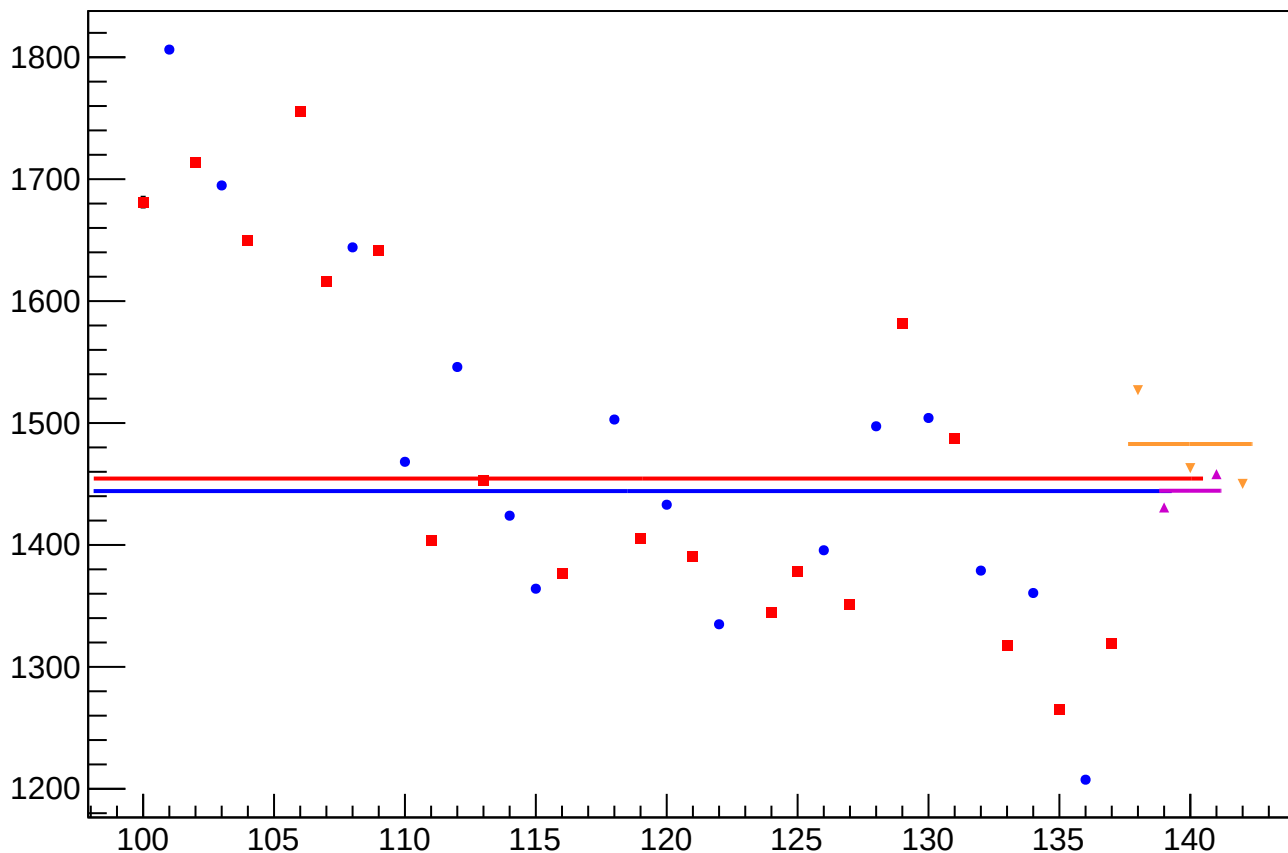
Left In: 19.373 $\pm$ 1.099 χ^2 /NDF: 14.1/1

+ sign 8.040 $\pm$ 0.480 χ^2 /NDF: 744.1/18

All: 6.124 $\pm$ 0.339 χ^2 /NDF: 1691.6/39

- sign 4.203 $\pm$ 0.480 χ^2 /NDF: 915.5/20

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF : 180147.9/15

Left Out: 1482.805+/-0.732 χ^2/NDF : 2045.4/2

Right Out: 1454.470+/-0.378 χ^2/NDF : 142772.9/18

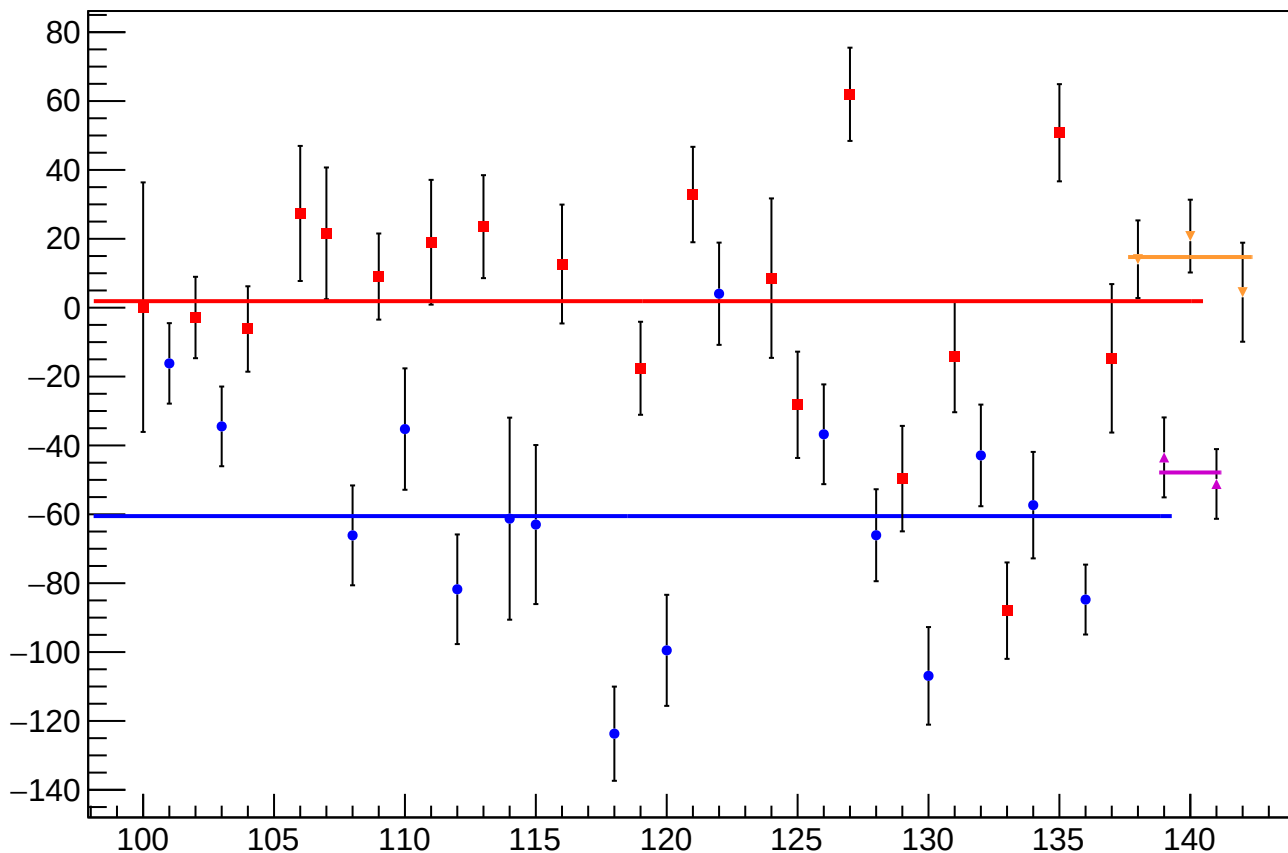
Left In: 1444.473+/-0.777 χ^2/NDF : 309.1/1

+ sign 1452.476+/-0.339 χ^2/NDF : 184378.0/18

All: 1452.518+/-0.240 χ^2/NDF : 327594.0/39

- sign 1452.560+/-0.340 χ^2/NDF : 143216.0/20

diff_bpm0l02X_mean vs Slug



Right In: -60.516 ± 3.596 χ^2/NDF : 90.3/15

Left Out: 14.708 ± 6.795 χ^2/NDF : 0.8/2

Right Out: 1.894 ± 3.543 χ^2/NDF : 103.8/18

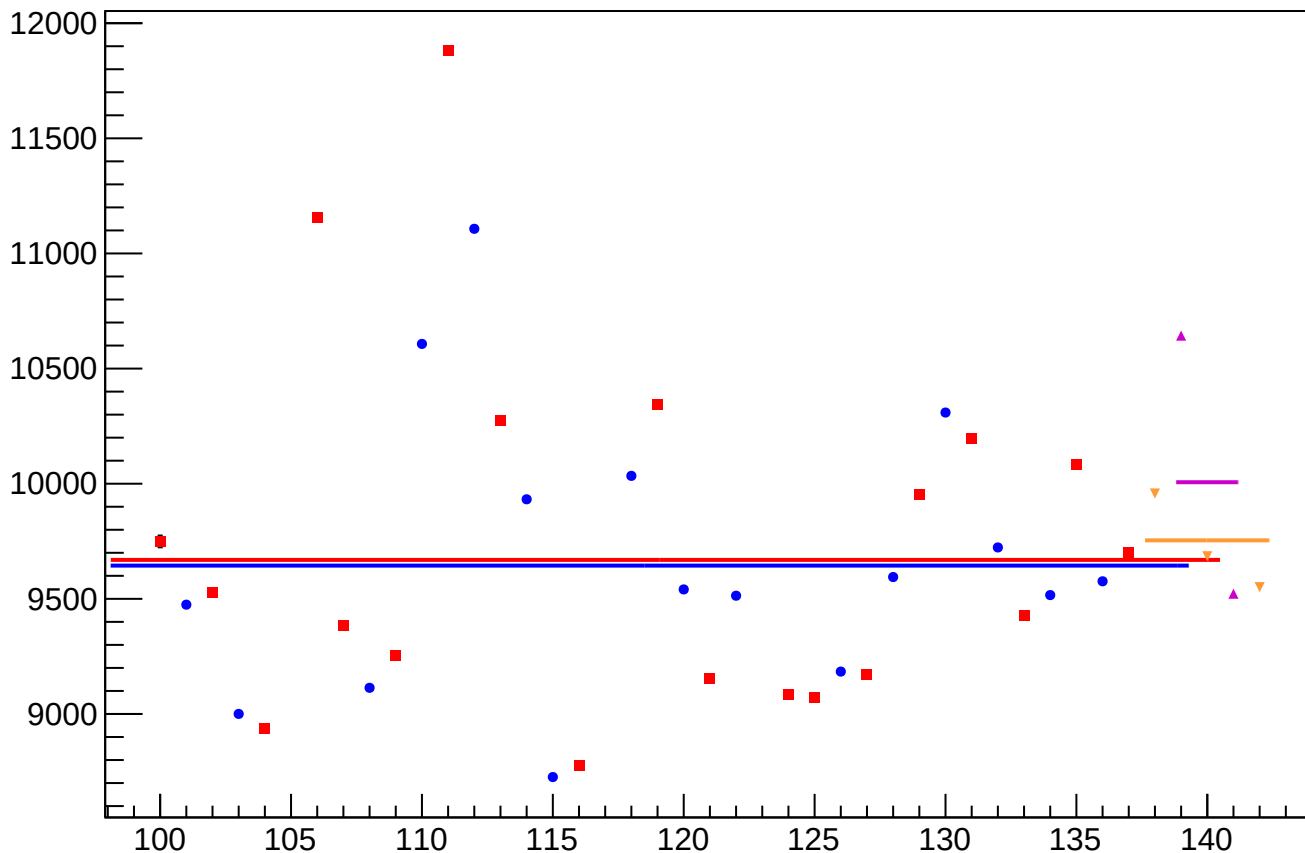
Left In: -47.853 ± 7.628 χ^2/NDF : 0.3/1

+ sign -44.055 ± 3.179 χ^2/NDF : 186.9/18

All: -25.695 ± 2.260 χ^2/NDF : 393.5/39

- sign -6.932 ± 3.213 χ^2/NDF : 139.1/20

diff_bpm0l02X_rms vs Slug



Right In: 9644.396 $\pm$ 2.543 χ^2 /NDF: 44101.6/15

Left Out: 9754.033 $\pm$ 4.805 χ^2 /NDF:1136.7/2

Right Out: 9669.136 $\pm$ 2.505 χ^2 /NDF: 79878.1/18

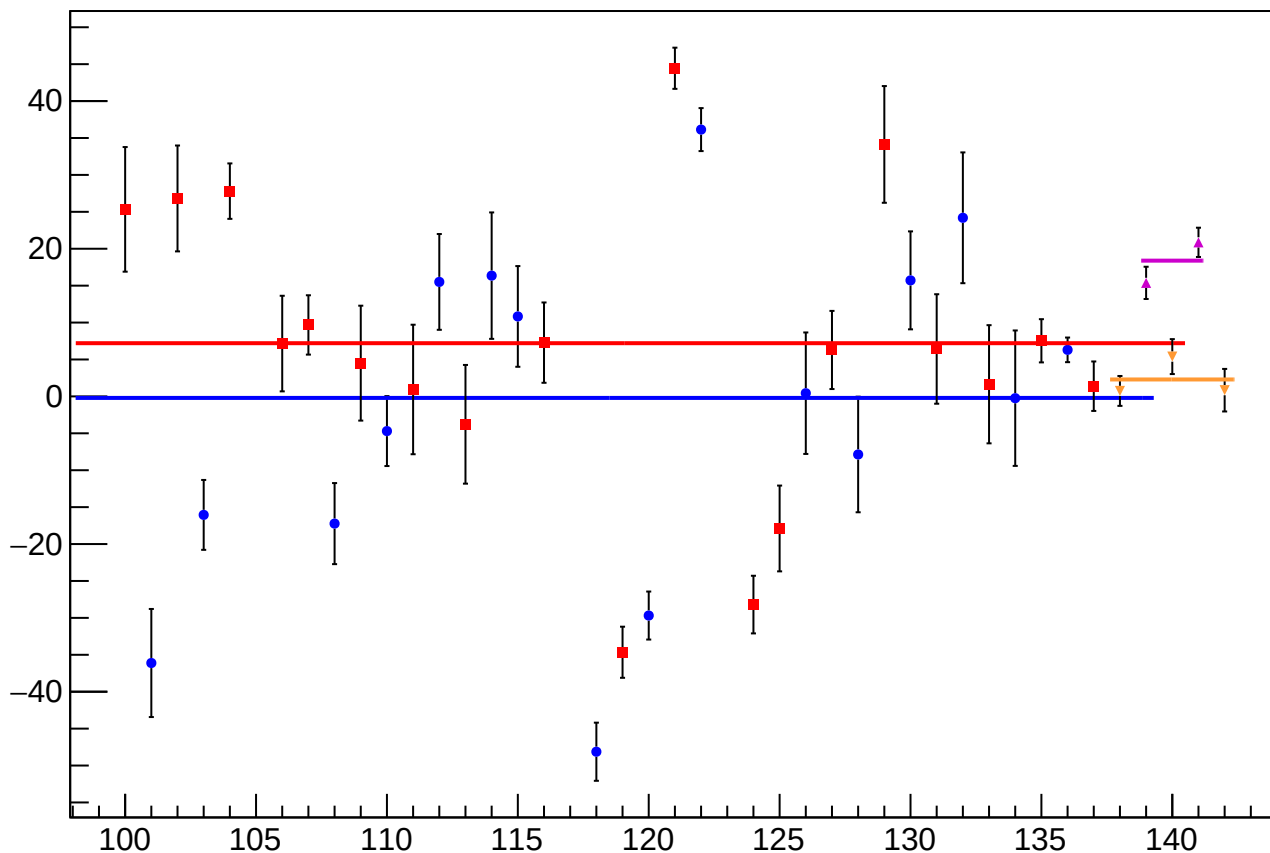
Left In: 10006.467 $\pm$ 5.394 χ^2 /NDF:10592.3/1

+ sign 9668.387 $\pm$ 2.248 χ^2 /NDF: 45645.1/18

All: 9698.358 $\pm$ 1.598 χ^2 /NDF: 139692.0/39

- sign 9728.986 $\pm$ 2.272 χ^2 /NDF: 93687.4/20

diff_bpm0l02Y_mean vs Slug



Right In: -0.206 ± 1.045 $\chi^2/\text{NDF}: 473.7/15$

Left Out: 2.292 ± 1.357 $\chi^2/\text{NDF}: 2.6/2$

Right Out: 7.206 ± 1.074 $\chi^2/\text{NDF}: 485.6/18$

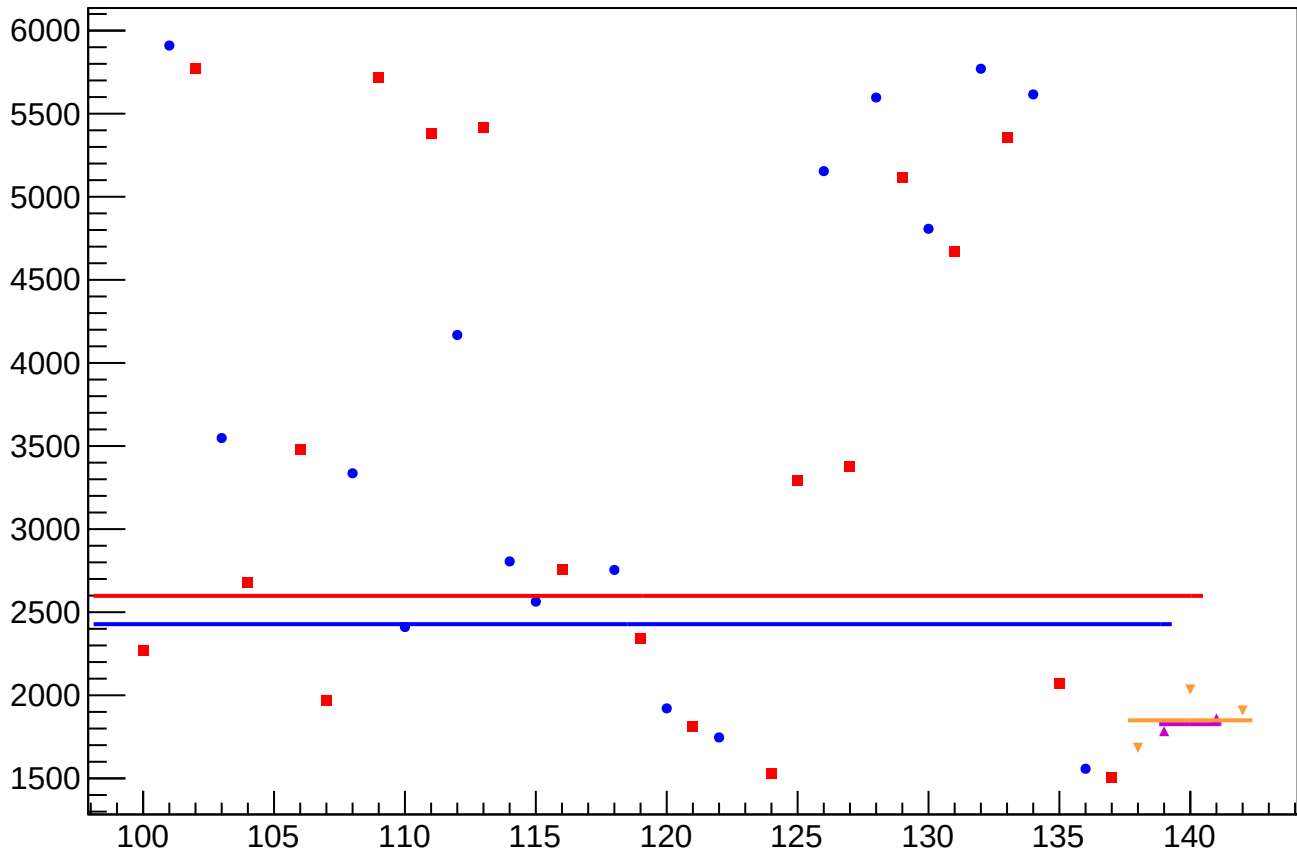
Left In: 18.387 ± 1.468 $\chi^2/\text{NDF}: 3.5/1$

+ sign 0.724 ± 0.828 $\chi^2/\text{NDF}: 478.4/18$

All: 5.678 ± 0.599 $\chi^2/\text{NDF}: 1080.3/39$

- sign 11.103 ± 0.867 $\chi^2/\text{NDF}: 526.9/20$

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF : 2815335.2/15

Left Out: 1849.343+/-0.960 χ^2/NDF : 26472.3/2

Right Out: 2598.321+/-0.759 χ^2/NDF : 2514932.7/18

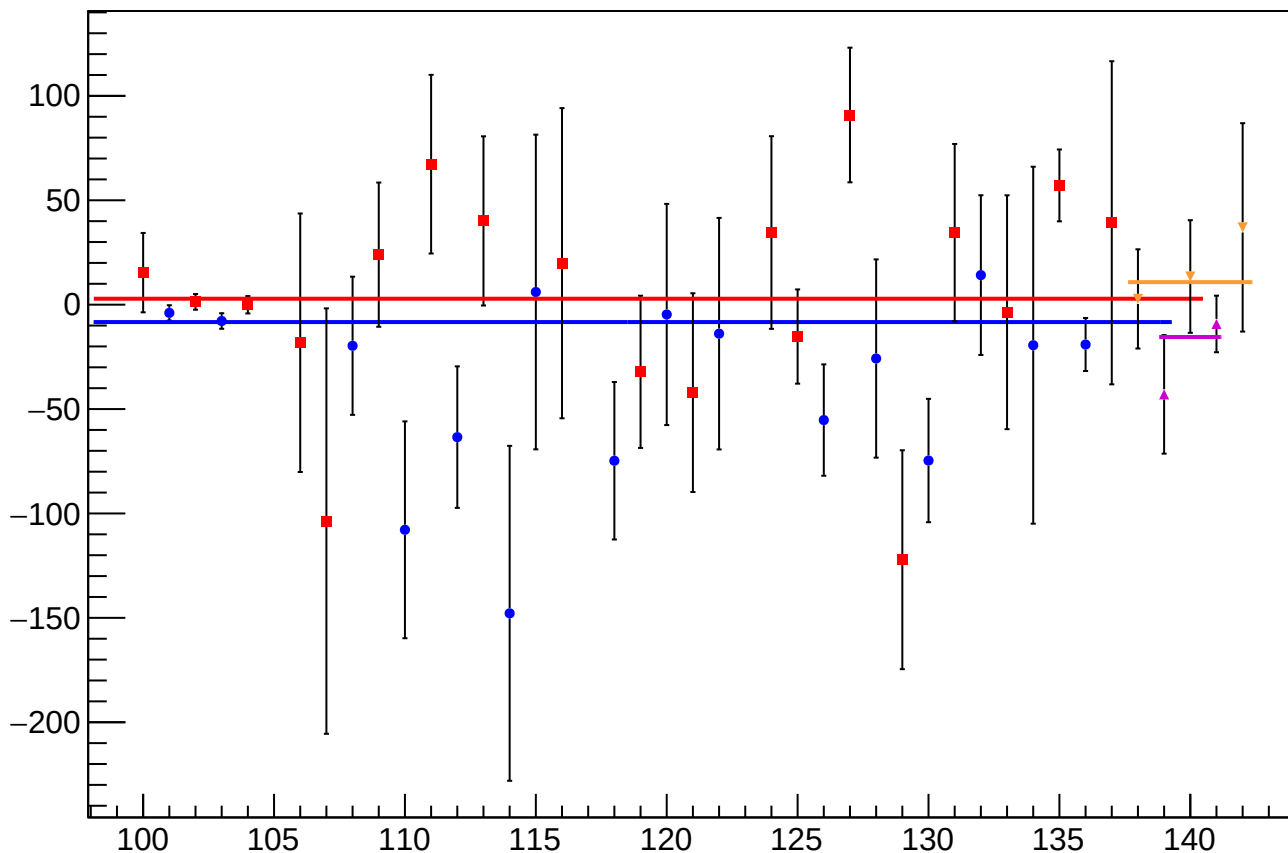
Left In: 1826.272+/-1.038 χ^2/NDF : 1350.0/1

+ sign 2212.541+/-0.586 χ^2/NDF : 3070110.3/18

All: 2268.245+/-0.423 χ^2/NDF : 5965806.1/39

- sign 2329.241+/-0.613 χ^2/NDF : 2876737.4/20

diff_bpm0l03X_mean vs Slug



Right In: -8.332 ± 2.499 χ^2/NDF : 23.4/15

Left Out: 10.795 ± 16.793 χ^2/NDF : 0.4/2

Right Out: 2.848 ± 2.640 χ^2/NDF : 32.6/18

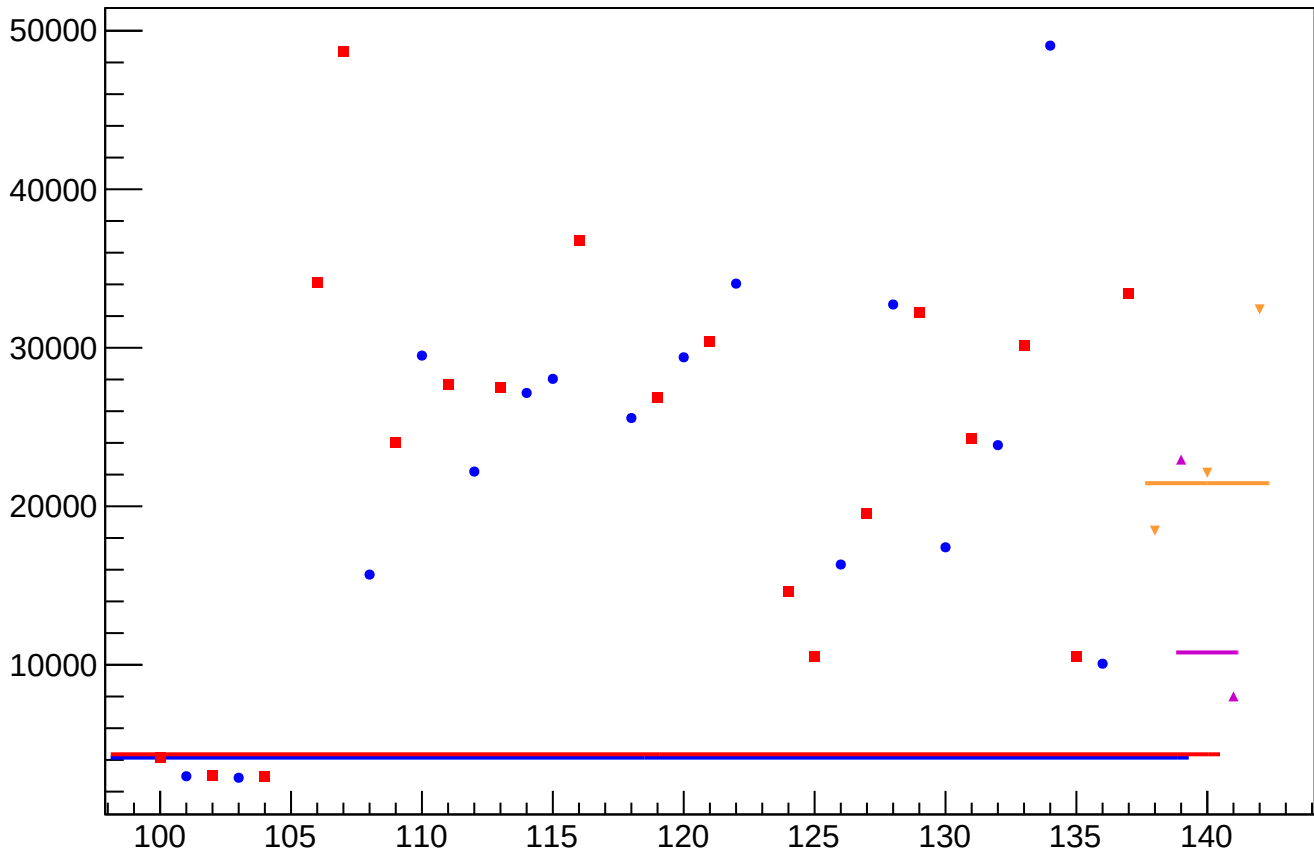
Left In: -15.489 ± 12.229 χ^2/NDF : 1.1/1

+ sign -7.918 ± 2.472 χ^2/NDF : 25.1/18

All: -3.156 ± 1.785 χ^2/NDF : 68.8/39

- sign 2.032 ± 2.580 χ^2/NDF : 35.9/20

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF : 6836950.5/15

Left Out: 21458.540+/-11.874 χ^2/NDF : 129479.7/2

Right Out: 4354.437+/-1.866 χ^2/NDF : 7624762.5/18

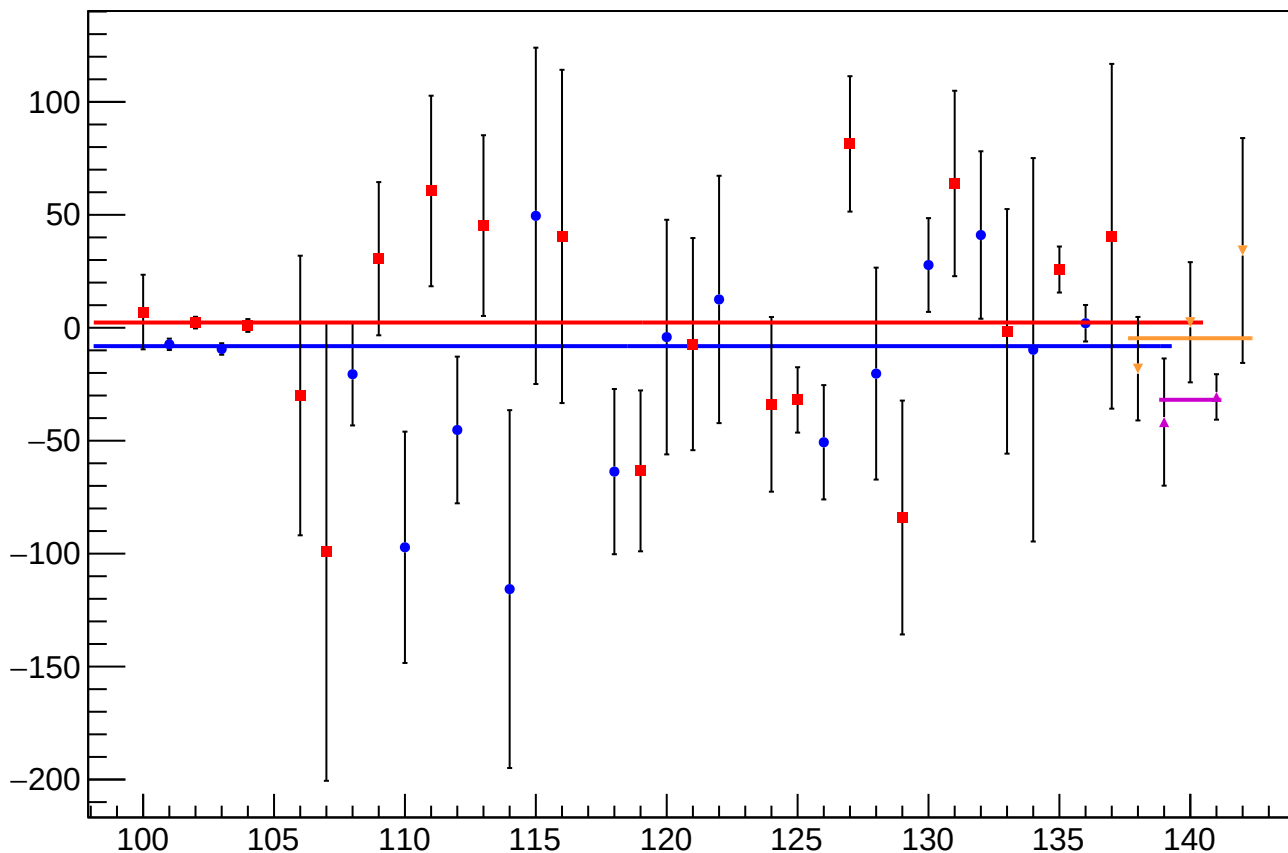
Left In: 10780.135+/-8.648 χ^2/NDF : 450689.6/1

+ sign 4521.004+/-1.748 χ^2/NDF : 9046156.9/18

All: 4578.178+/-1.262 χ^2/NDF : 17651419.3/3

- sign 4640.458+/-1.824 χ^2/NDF : 8603027.3/20

diff_bpm0l03Y_mean vs Slug



Right In: -8.132 ± 1.720 $\chi^2/\text{NDF}: 19.1/15$

Left Out: -4.632 ± 16.393 $\chi^2/\text{NDF}: 1.0/2$

Right Out: 2.325 ± 1.822 $\chi^2/\text{NDF}: 33.1/18$

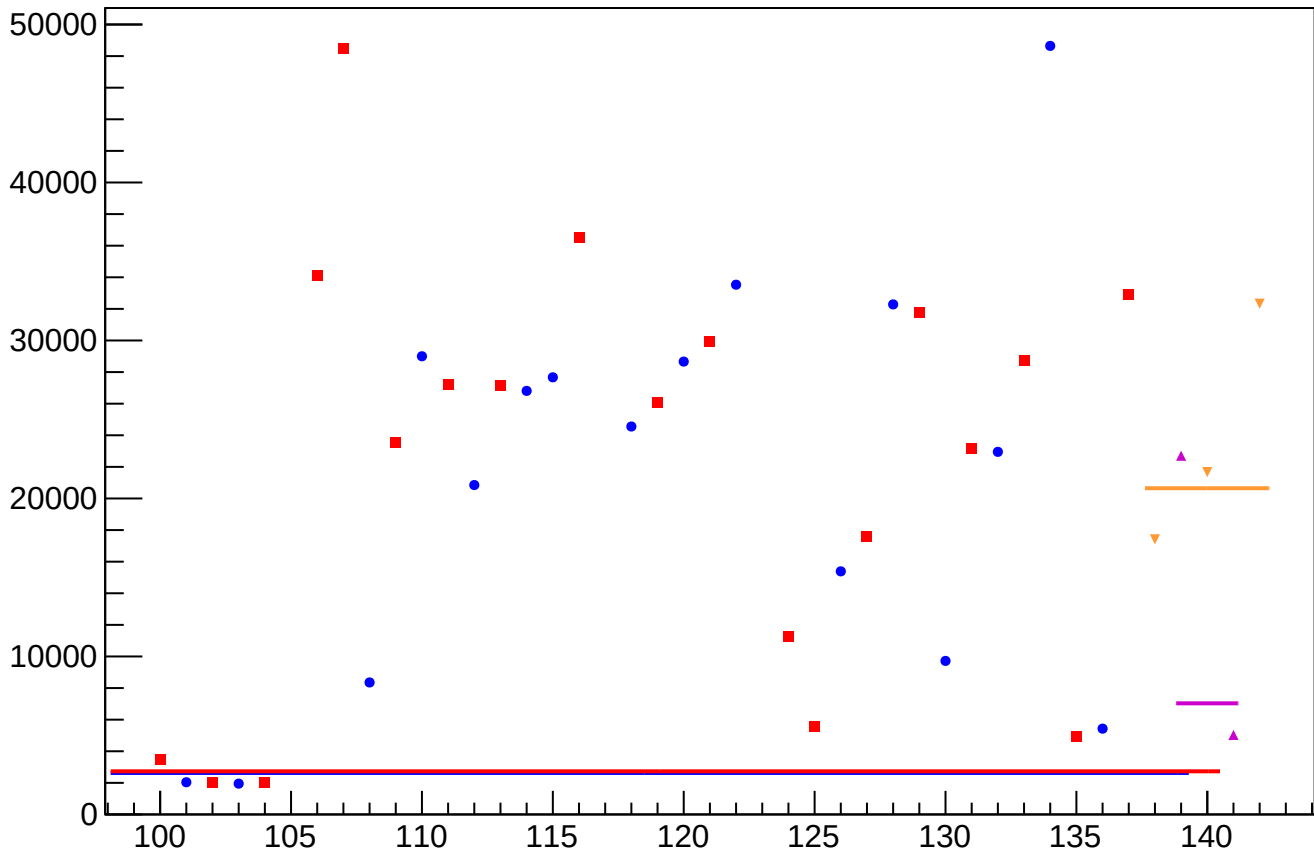
Left In: -31.883 ± 9.477 $\chi^2/\text{NDF}: 0.1/1$

+ sign -8.094 ± 1.711 $\chi^2/\text{NDF}: 20.2/18$

All: -3.699 ± 1.236 $\chi^2/\text{NDF}: 79.8/39$

- sign 1.106 ± 1.789 $\chi^2/\text{NDF}: 45.8/20$

diff_bpm0l03Y_rms vs Slug



Right In: 2626.430 ± 1.216 $\chi^2/\text{NDF}: 6780884.6/15$

Left Out: 20647.782 ± 11.592 $\chi^2/\text{NDF}: 152969.2/2$

Right Out: 2730.235 ± 1.288 $\chi^2/\text{NDF}: 7985984.4/18$

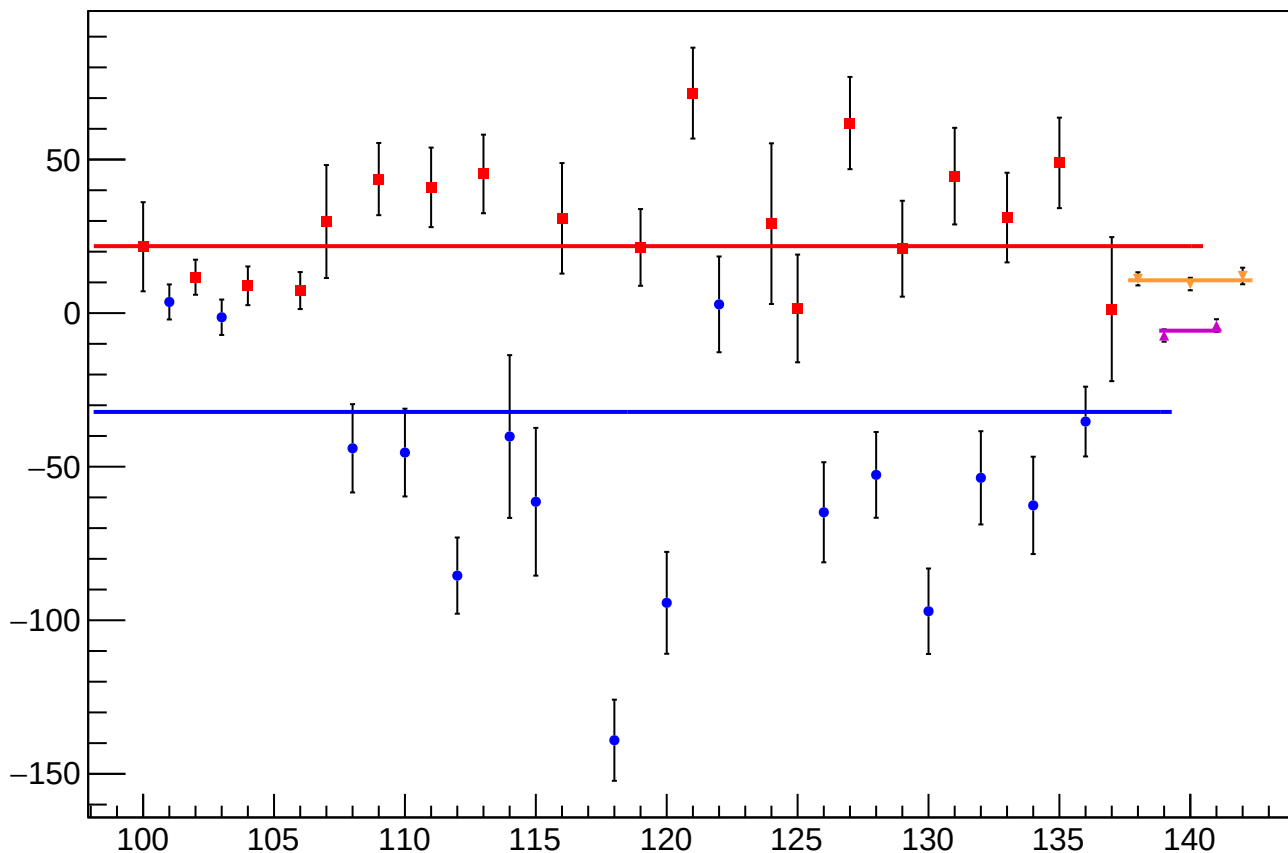
Left In: 7033.562 ± 6.701 $\chi^2/\text{NDF}: 698656.8/1$

+ sign 2822.754 ± 1.210 $\chi^2/\text{NDF}: 9324622.0/18$

All: 2851.812 ± 0.874 $\chi^2/\text{NDF}: 18408171.4/3$

- sign 2883.575 ± 1.265 $\chi^2/\text{NDF}: 9082342.0/20$

diff_bpm0l04X_mean vs Slug



Right In: -32.171 ± 2.842 χ^2/NDF : 207.8/15

Left Out: 10.686 ± 1.297 χ^2/NDF : 0.7/2

Right Out: 21.801 ± 2.557 χ^2/NDF : 49.1/18

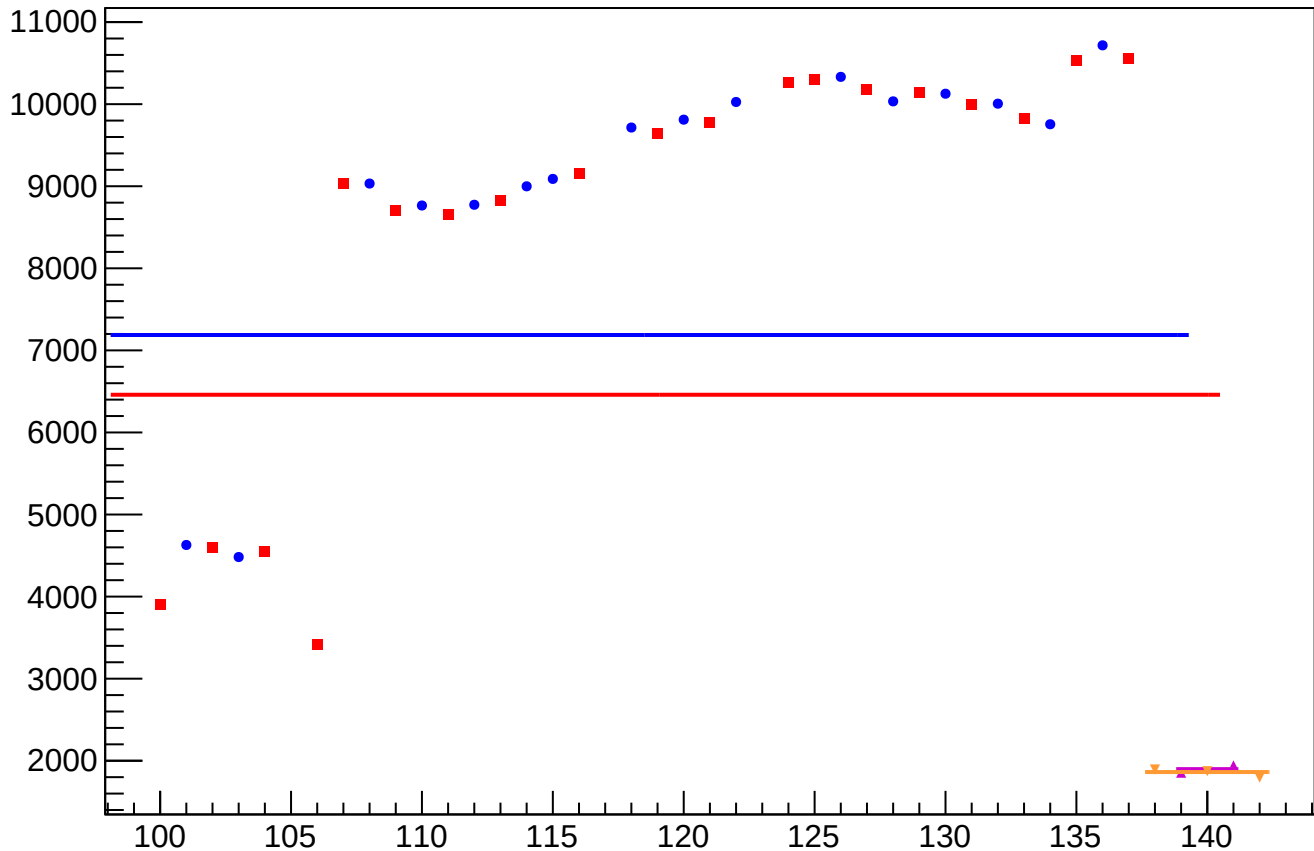
Left In: -5.720 ± 1.444 χ^2/NDF : 1.3/1

+ sign 3.299 ± 1.180 χ^2/NDF : 396.7/18

All: 2.192 ± 0.860 χ^2/NDF : 536.7/39

- sign 0.935 ± 1.258 χ^2/NDF : 138.2/20

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF : 1705887.0/15

Left Out: 1862.341+/-0.917 χ^2/NDF : 1758.7/2

Right Out: 6459.323+/-1.808 χ^2/NDF : 2276337.9/18

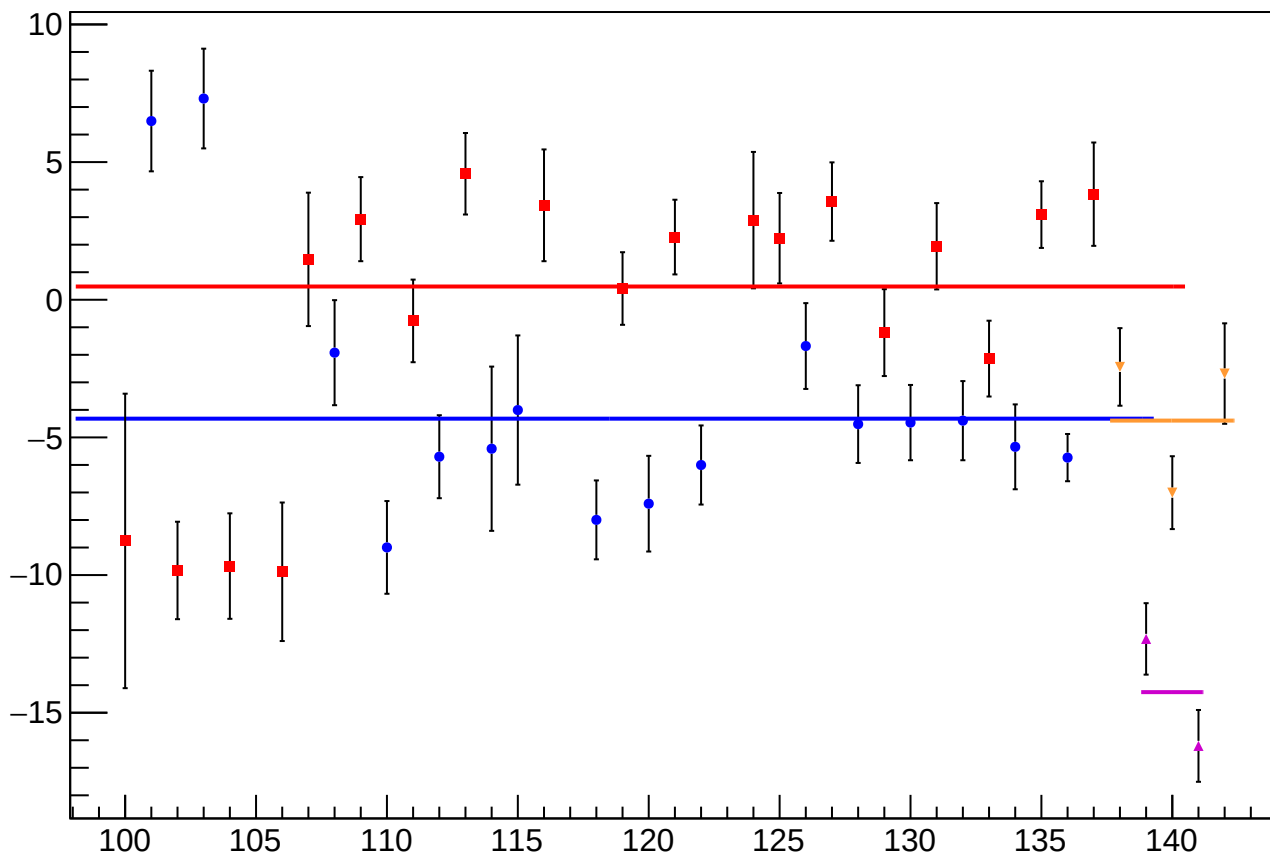
Left In: 1897.999+/-1.021 χ^2/NDF : 1914.7/1

+ sign 2780.231+/-0.834 χ^2/NDF : 7519927.9/18

All: 2883.540+/-0.608 χ^2/NDF : 14655147.9/3

- sign 3000.899+/-0.889 χ^2/NDF : 7102465.9/20

diff_bpm0l04Y_mean vs Slug



Right In: -4.319 ± 0.380 χ^2/NDF : 103.7/15

Left Out: -4.389 ± 0.853 χ^2/NDF : 6.7/2

Right Out: 0.481 ± 0.379 χ^2/NDF : 117.2/18

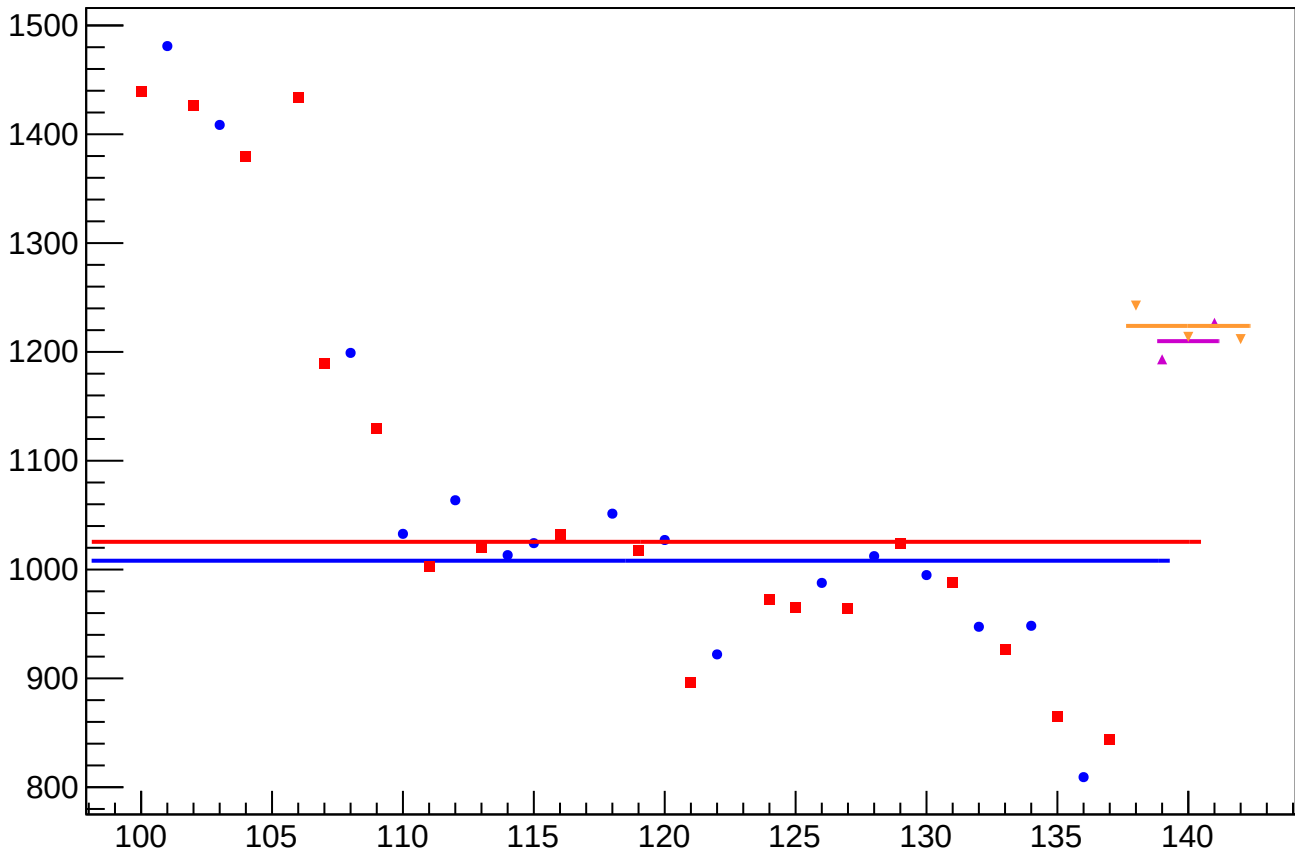
Left In: -14.252 ± 0.920 χ^2/NDF : 4.5/1

+ sign -4.331 ± 0.347 χ^2/NDF : 110.4/18

All: -3.005 ± 0.246 χ^2/NDF : 480.8/39

- sign -1.653 ± 0.350 χ^2/NDF : 341.0/20

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF : 378836.2/15

Left Out: 1223.899+/-0.603 χ^2/NDF : 555.0/2

+ sign 1043.820+/-0.245 χ^2/NDF : 486245.4/18

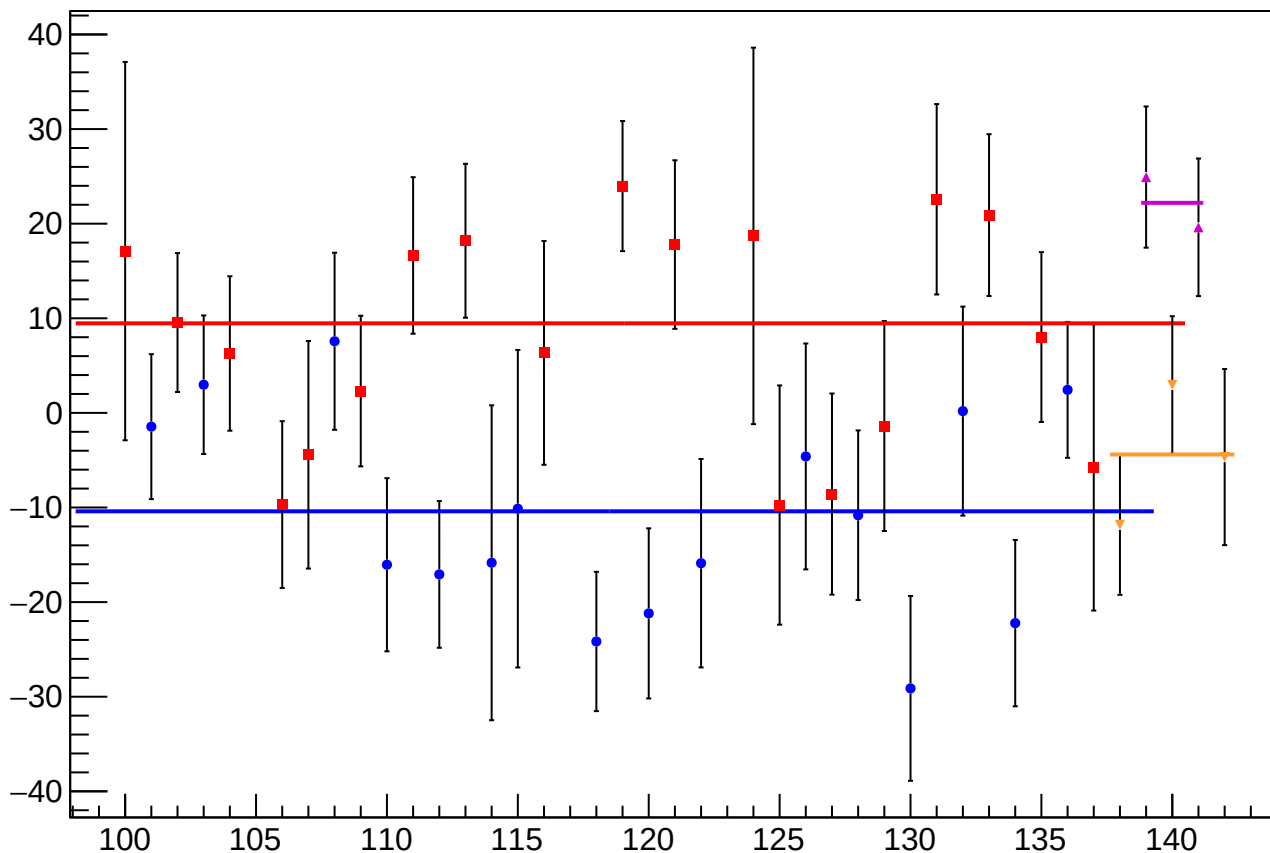
Right Out: 1025.486+/-0.268 χ^2/NDF : 345991.2/18

All: 1047.972+/-0.174 χ^2/NDF : 902199.7/39

- sign 1052.202+/-0.248 χ^2/NDF : 415376.0/20

Left In: 1209.896+/-0.651 χ^2/NDF : 664.6/1

diff_bpm0l05X_mean vs Slug



Right In: -10.404 ± 2.280 χ^2/NDF : 24.6/15

Left Out: -4.394 ± 4.531 χ^2/NDF : 2.0/2

Right Out: 9.467 ± 2.191 χ^2/NDF : 25.4/18

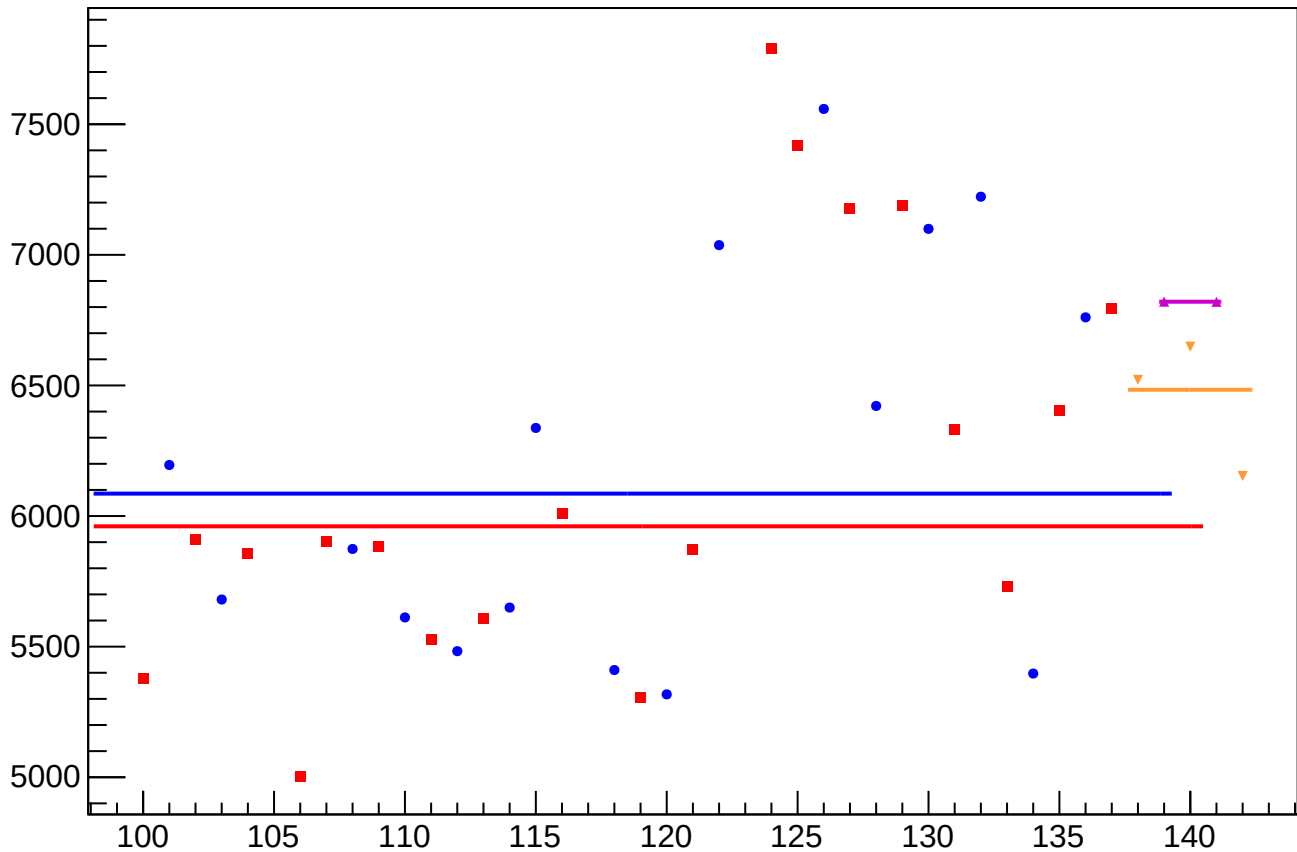
Left In: 22.203 ± 5.208 χ^2/NDF : 0.3/1

+ sign -9.189 ± 2.037 χ^2/NDF : 28.1/18

All: 1.183 ± 1.434 χ^2/NDF : 110.2/39

- sign 11.382 ± 2.019 χ^2/NDF : 30.7/20

diff_bpm0l05X_rms vs Slug



Right In: 6085.873+/-1.612 χ^2/NDF : 179118.8/15

Left Out: 6483.498+/-3.204 χ^2/NDF : 3594.1/2

Right Out: 5960.613+/-1.549 χ^2/NDF : 162772.6/18

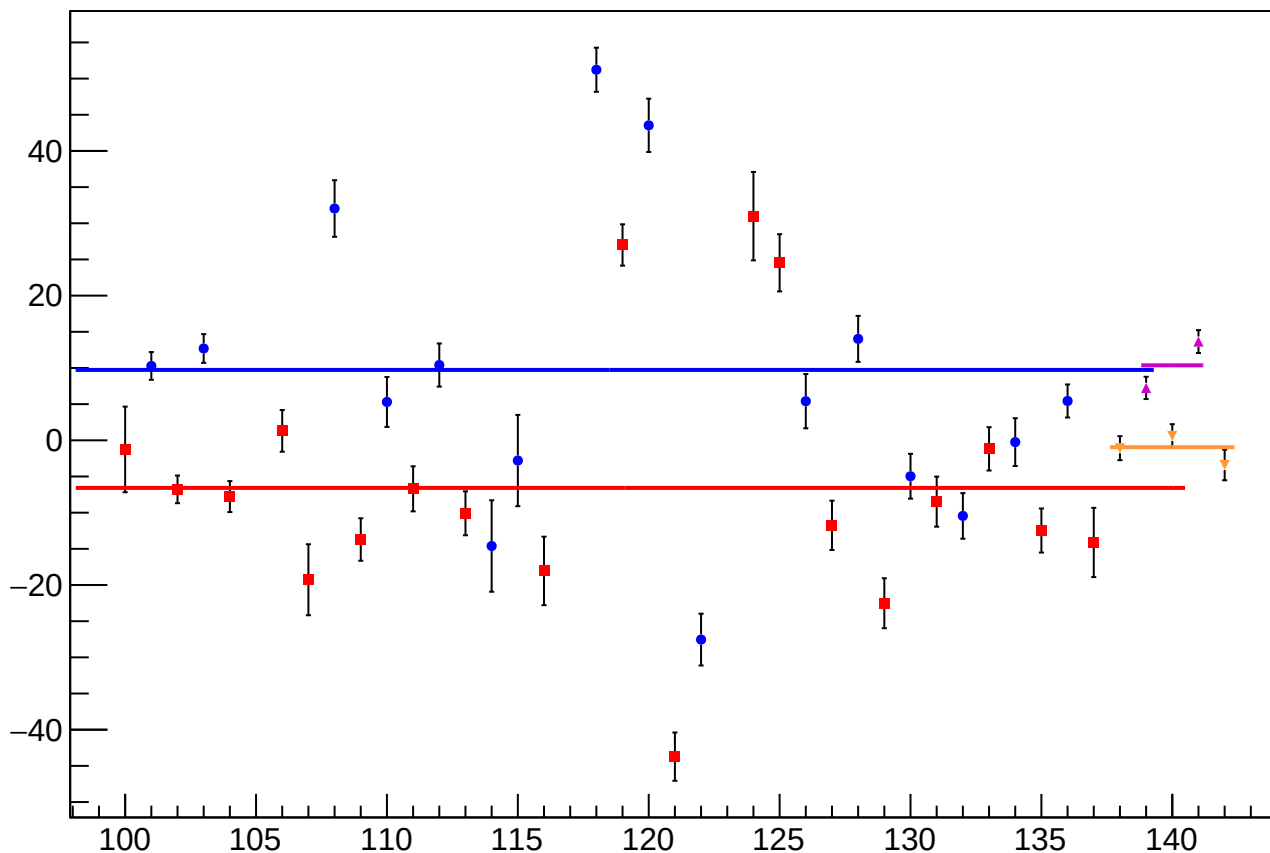
Left In: 6820.527+/-3.683 χ^2/NDF : 0.0/1

+ sign 6166.225+/-1.440 χ^2/NDF : 195005.1/18

All: 6127.744+/-1.014 χ^2/NDF : 405519.4/39

- sign 6089.908+/-1.428 χ^2/NDF : 209098.3/20

diff_bpm0l05Y_mean vs Slug



Right In: 9.733 ± 0.755 χ^2/NDF : 512.4/15

Left Out: -0.948 ± 1.015 χ^2/NDF : 2.3/2

Right Out: -6.576 ± 0.730 χ^2/NDF : 423.8/18

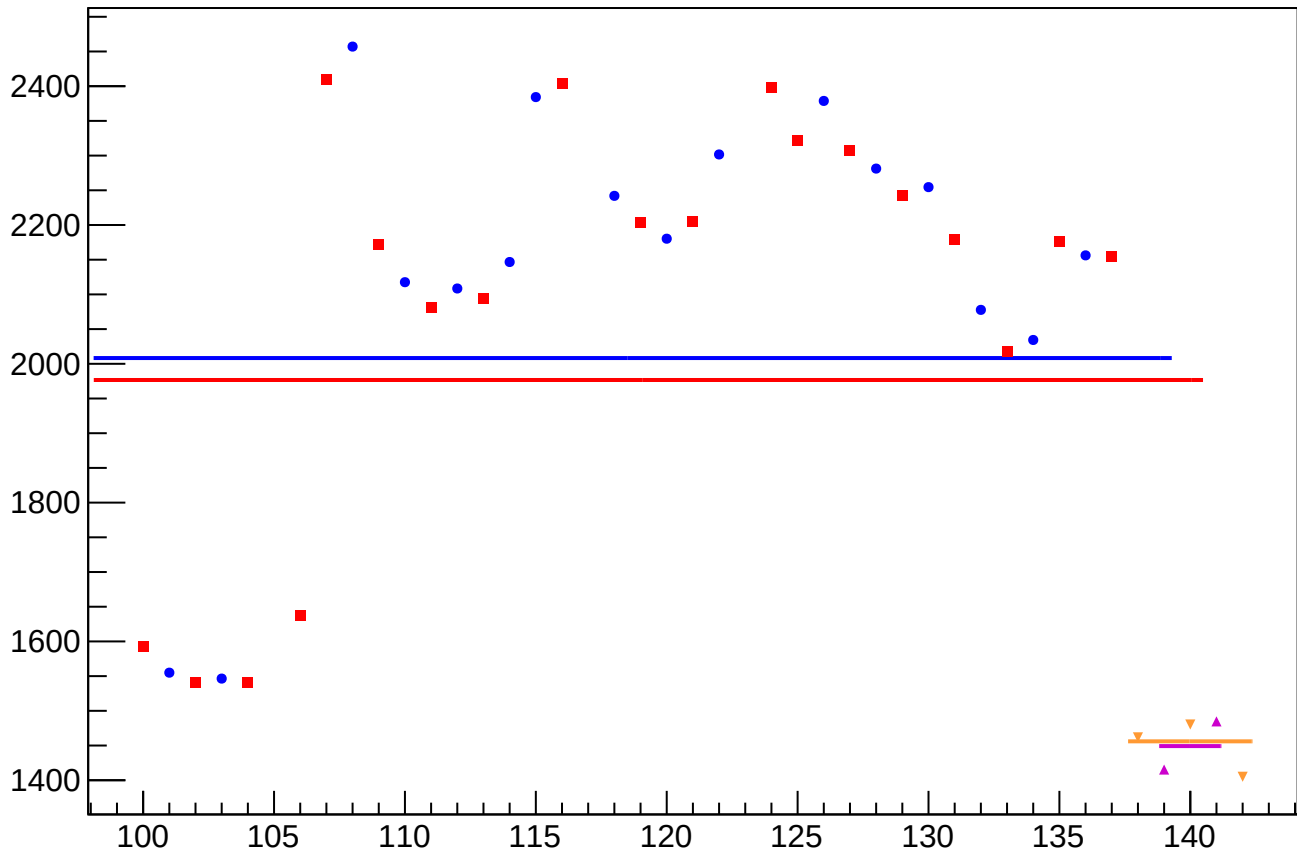
Left In: 10.368 ± 1.102 χ^2/NDF : 8.4/1

+ sign 5.930 ± 0.606 χ^2/NDF : 585.9/18

All: 2.280 ± 0.429 χ^2/NDF : 1255.3/39

- sign -1.407 ± 0.609 χ^2/NDF : 596.4/20

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296+/-0.534 χ^2/NDF : 344387.2/15

Left Out: 1456.037+/-0.718 χ^2/NDF : 1638.3/2

Right Out: 1976.677+/-0.516 χ^2/NDF : 365375.1/18

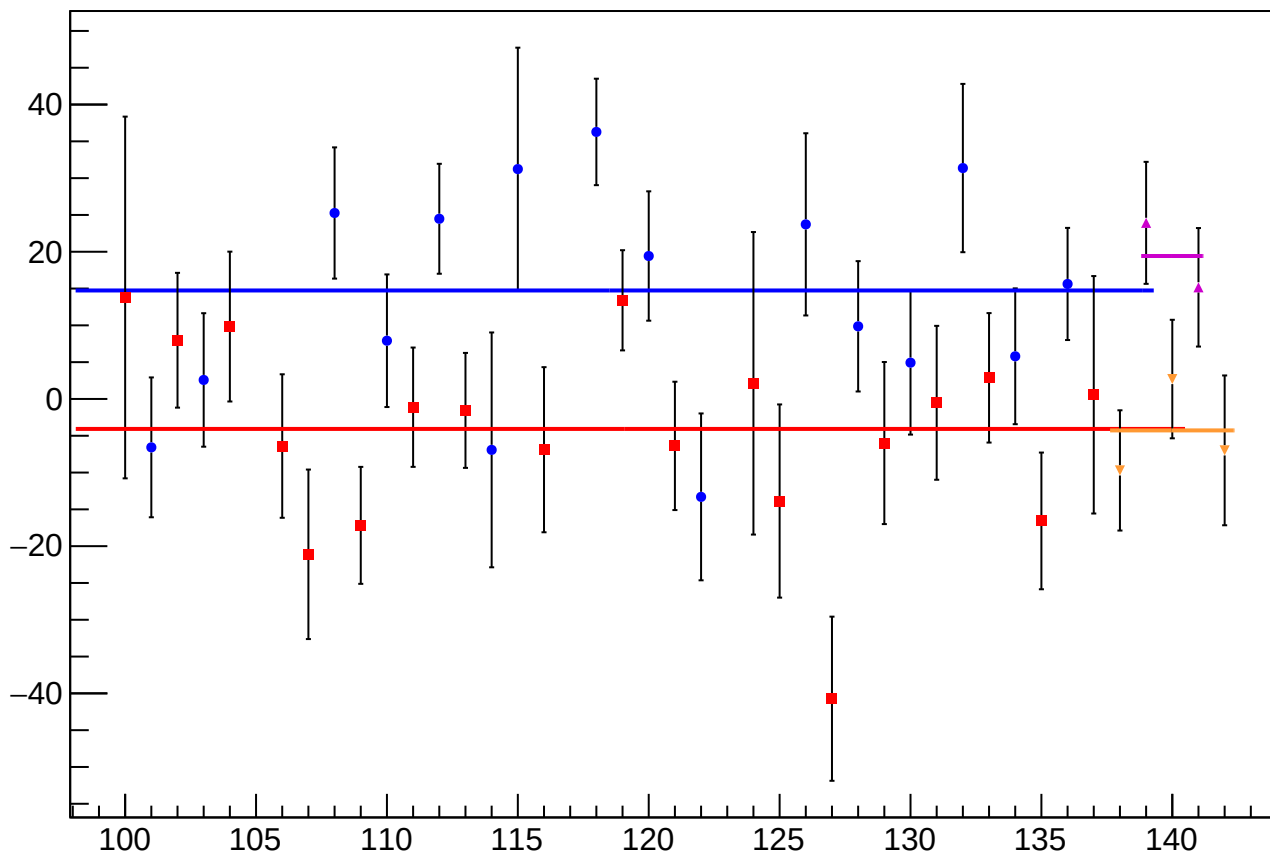
Left In: 1449.197+/-0.779 χ^2/NDF : 1979.8/1

+ sign 1811.667+/-0.428 χ^2/NDF : 727102.7/18

All: 1813.705+/-0.304 χ^2/NDF : 1412767.9/39

- sign 1815.764+/-0.431 χ^2/NDF : 685619.8/20

diff_bpm0l06X_mean vs Slug



Right In: 14.739 $\pm$ 2.358 χ^2 /NDF: 33.5/15

Left Out: -4.272 $\pm$ 4.996 χ^2 /NDF: 1.3/2

Right Out: -4.072 $\pm$ 2.274 χ^2 /NDF: 30.2/18

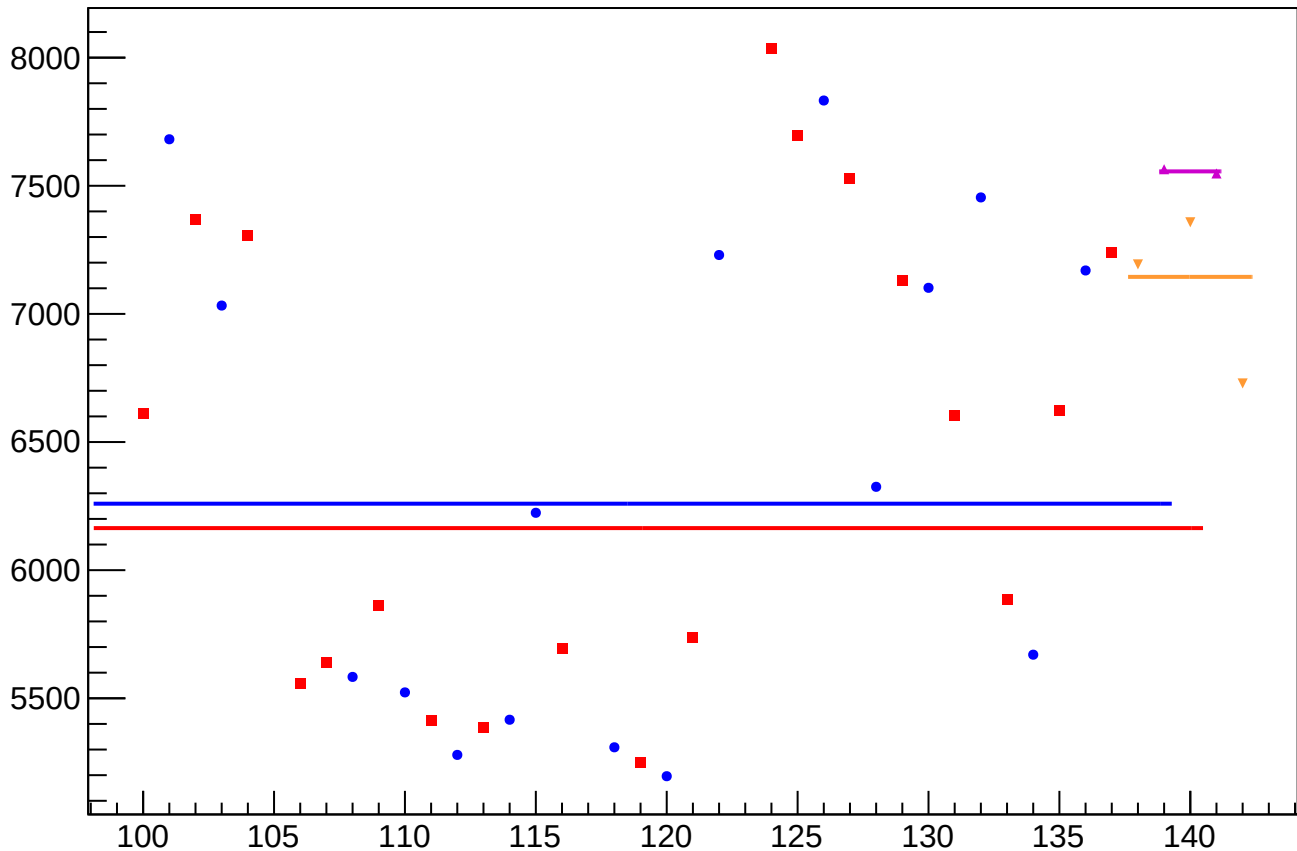
Left In: 19.422 $\pm$ 5.775 χ^2 /NDF: 0.6/1

+ sign 11.277 $\pm$ 2.132 χ^2 /NDF: 46.6/18

All: 5.132 $\pm$ 1.502 χ^2 /NDF: 108.2/39

- sign -0.918 $\pm$ 2.116 χ^2 /NDF: 45.1/20

diff_bpm0l06X_rms vs Slug



Right In: 6259.416 $\pm$ 1.667 χ^2 /NDF: 308606.8/15

Left Out: 7144.503 $\pm$ 3.533 χ^2 /NDF:4809.9/2

Right Out: 6164.140 $\pm$ 1.608 χ^2 /NDF: 265058.6/18

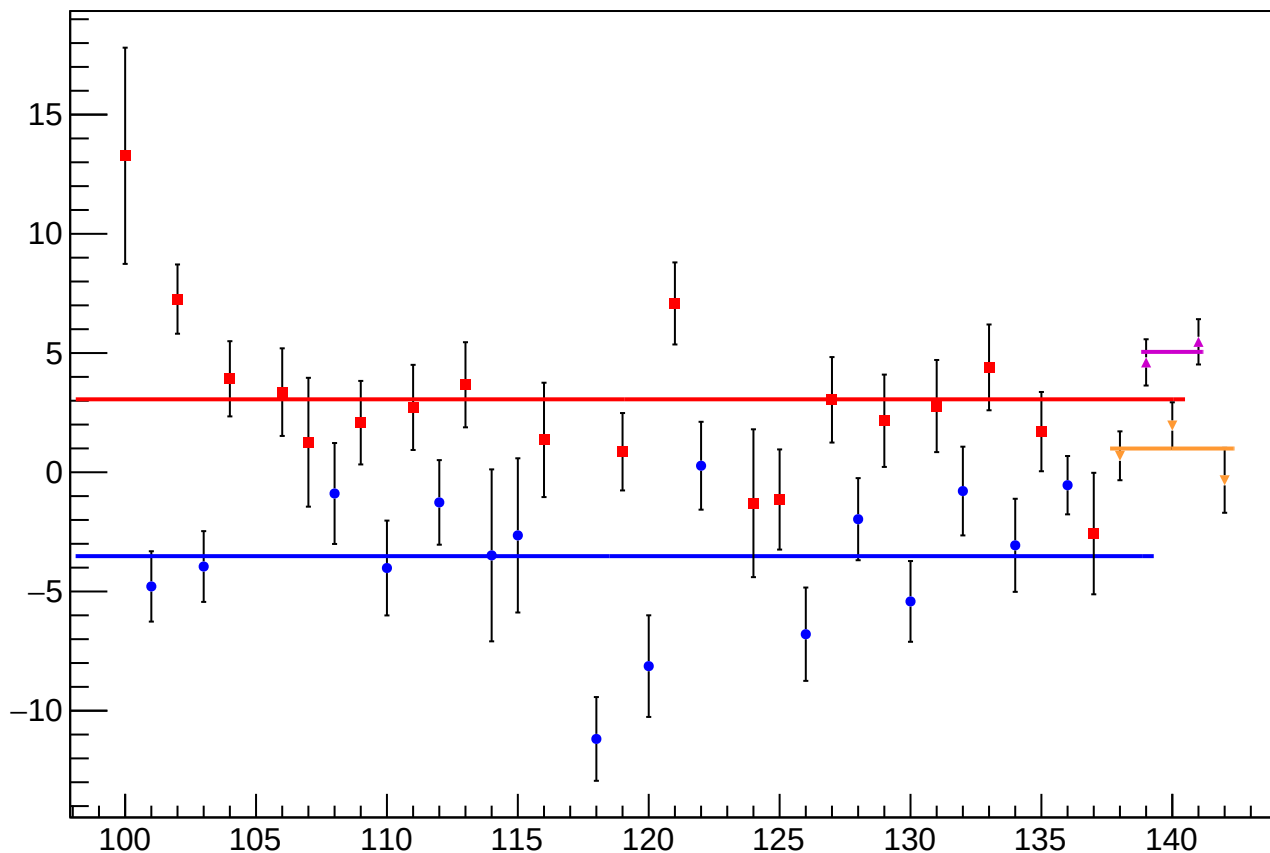
Left In: 7556.124 $\pm$ 4.083 χ^2 /NDF:4.1/1

+ sign 6420.623 $\pm$ 1.508 χ^2 /NDF: 364756.0/18

All: 6385.530 $\pm$ 1.062 χ^2 /NDF: 731504.1/39

- sign 6350.977 $\pm$ 1.496 χ^2 /NDF: 365672.8/20

diff_bpm0l06Y_mean vs Slug



Right In: -3.518 ± 0.452 χ^2/NDF : 45.1/15

Left Out: 0.996 ± 0.627 χ^2/NDF : 2.0/2

Right Out: 3.059 ± 0.438 χ^2/NDF : 34.8/18

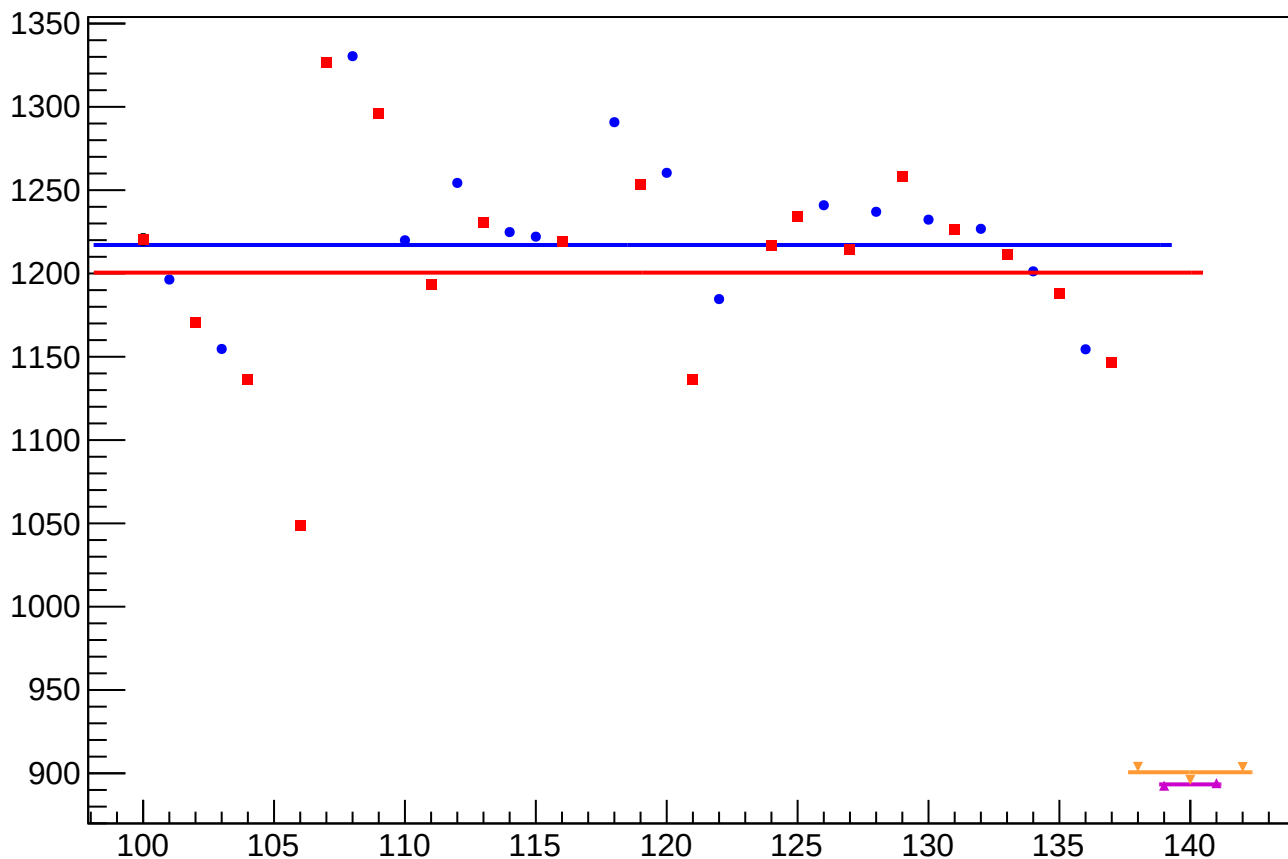
Left In: 5.048 ± 0.679 χ^2/NDF : 0.4/1

+ sign -1.973 ± 0.367 χ^2/NDF : 81.2/18

All: 0.825 ± 0.260 χ^2/NDF : 239.2/39

- sign 3.644 ± 0.368 χ^2/NDF : 41.3/20

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094 ± 0.320 χ^2/NDF : 21686.7/15

Left Out: 900.623 ± 0.444 χ^2/NDF : 74.2/2

Right Out: 1200.497 ± 0.310 χ^2/NDF : 37654.3/18

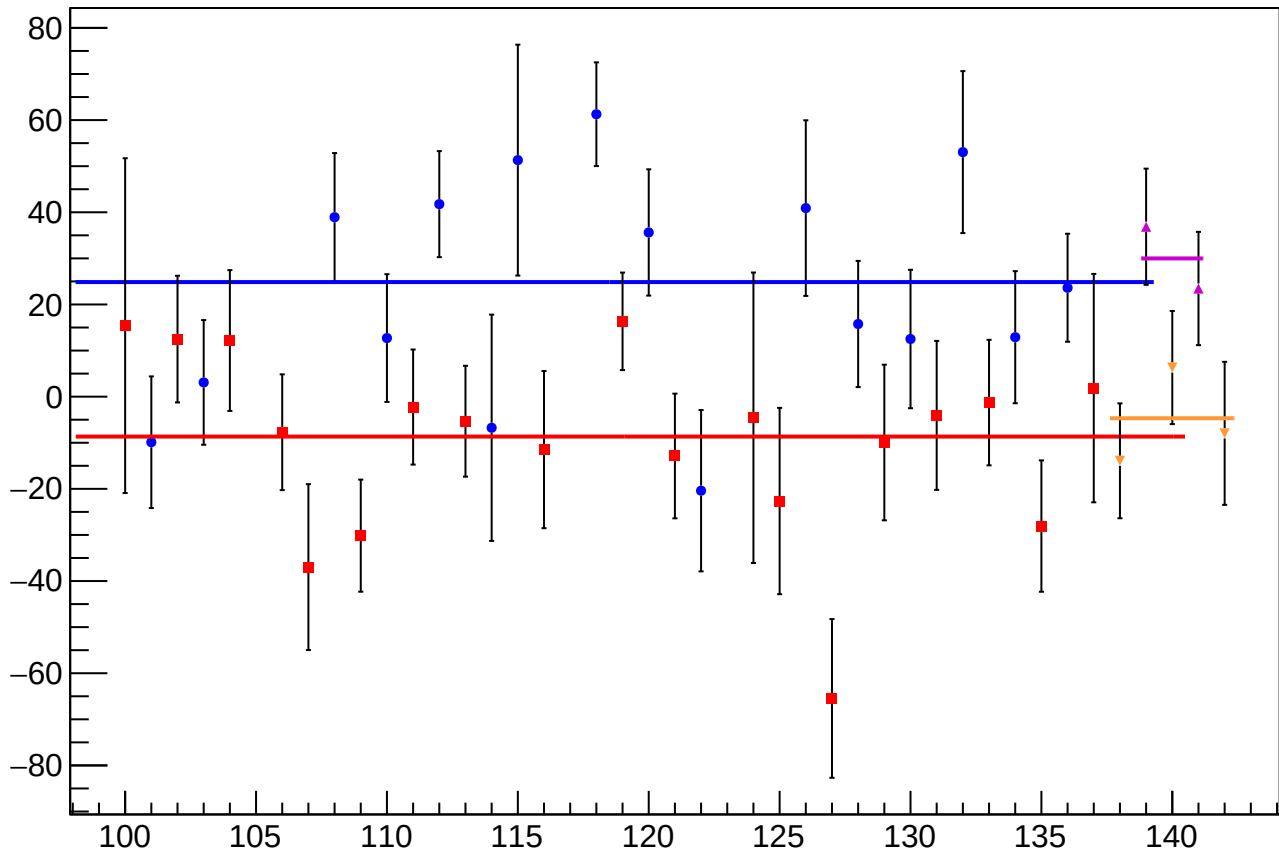
Left In: 893.355 ± 0.480 χ^2/NDF : 2.5/1

+ sign 1108.793 ± 0.259 χ^2/NDF : 356674.6/18

All: 1109.461 ± 0.184 χ^2/NDF : 683233.5/39

- sign 1110.134 ± 0.260 χ^2/NDF : 326545.5/20

diff_bpm0l07X_mean vs Slug



Right In: 24.860 ± 3.628 χ^2/NDF : 38.1/15

Left Out: -4.684 ± 7.617 χ^2/NDF : 1.4/2

Right Out: -8.658 ± 3.454 χ^2/NDF : 30.1/18

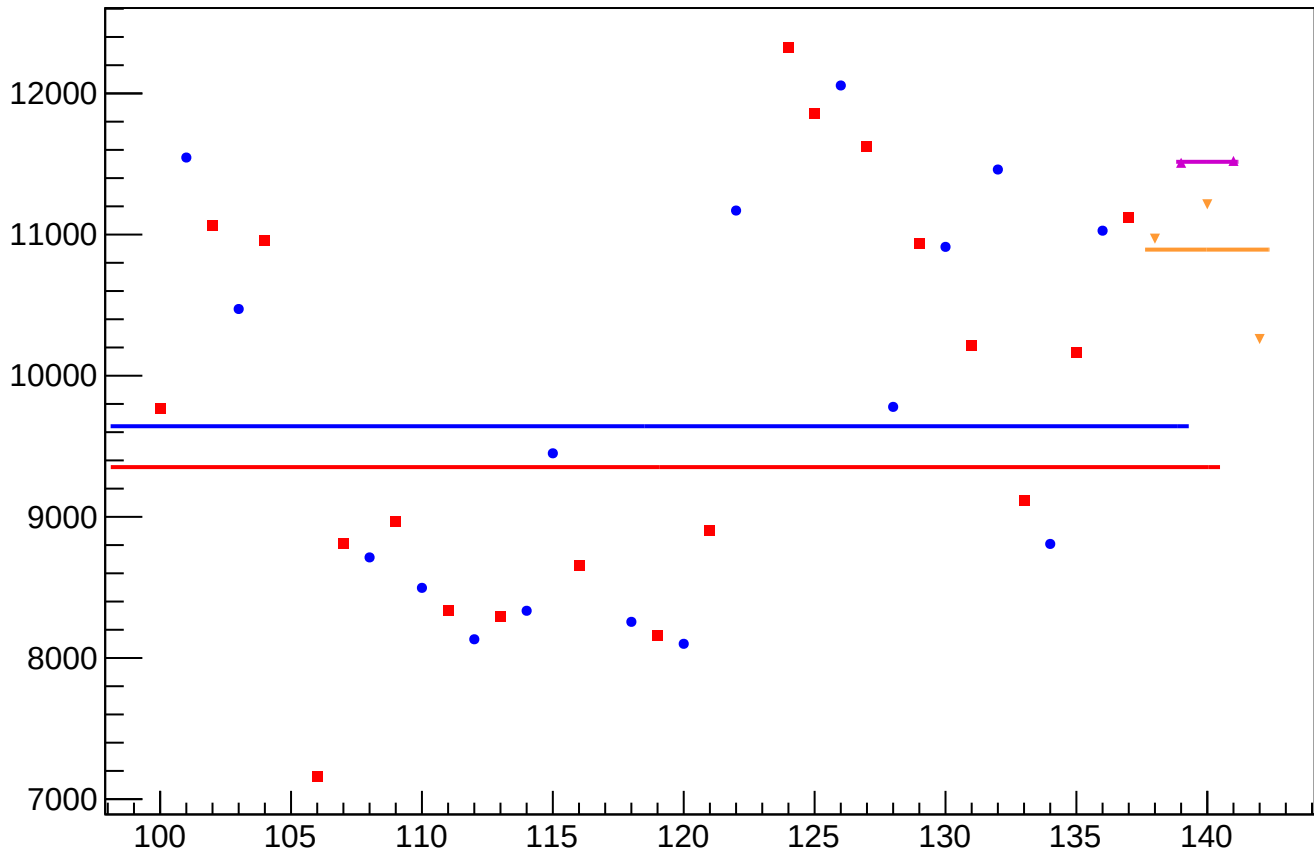
Left In: 29.990 ± 8.800 χ^2/NDF : 0.6/1

+ sign 19.396 ± 3.275 χ^2/NDF : 51.8/18

All: 7.735 ± 2.294 χ^2/NDF : 124.1/39

- sign -3.500 ± 3.215 χ^2/NDF : 47.4/20

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF : 279657.4/15

Left Out: 10893.442+/-5.386 χ^2/NDF : 4779.3/2

Right Out: 9352.503+/-2.442 χ^2/NDF : 301779.3/18

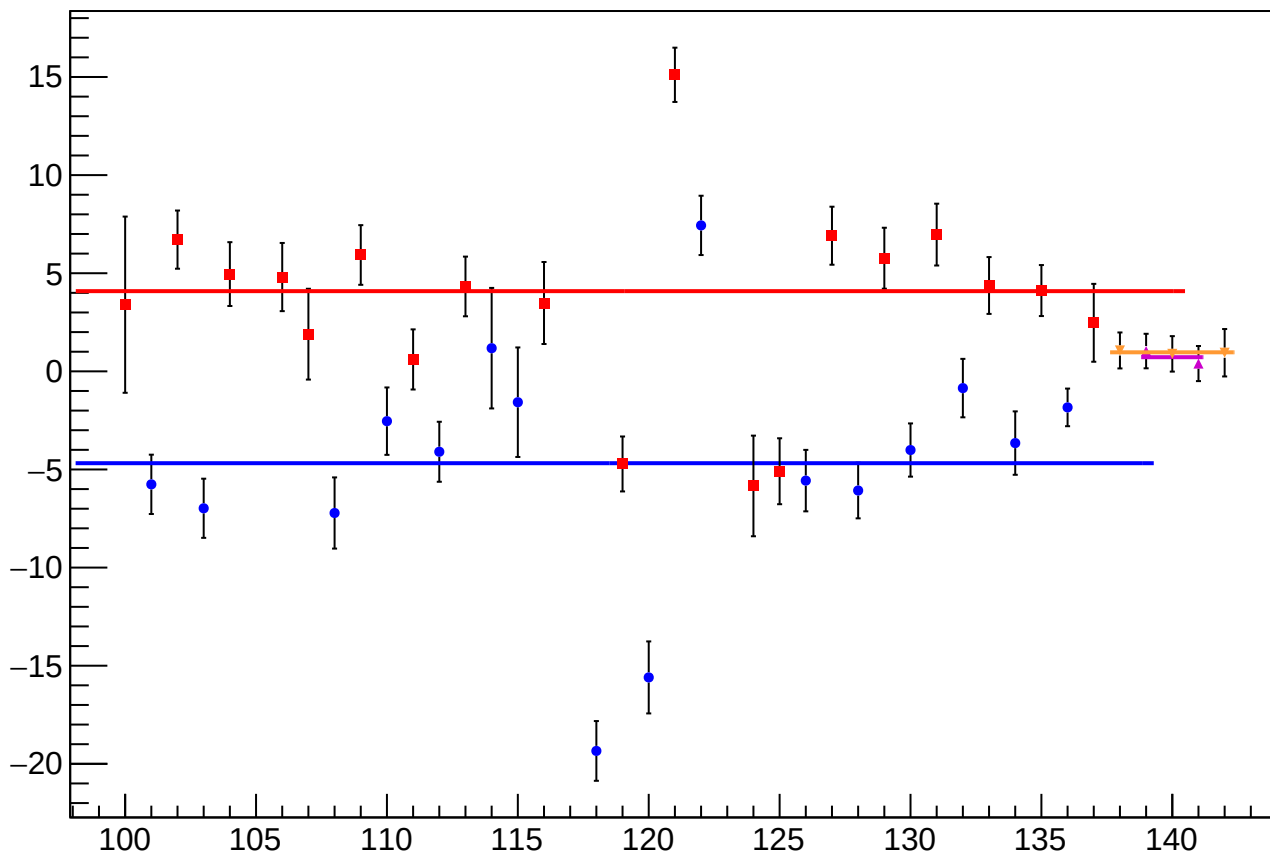
Left In: 11515.535+/-6.223 χ^2/NDF : 1.1/1

+ sign 9873.486+/-2.316 χ^2/NDF : 328438.9/18

All: 9755.173+/-1.622 χ^2/NDF : 740042.0/39

- sign 9641.184+/-2.273 χ^2/NDF : 406479.4/20

diff_bpm0l07Y_mean vs Slug



Right In: -4.681 ± 0.386 χ^2/NDF : 221.2/15

Left Out: 0.970 ± 0.568 χ^2/NDF : 0.0/2

Right Out: 4.087 ± 0.376 χ^2/NDF : 168.1/18

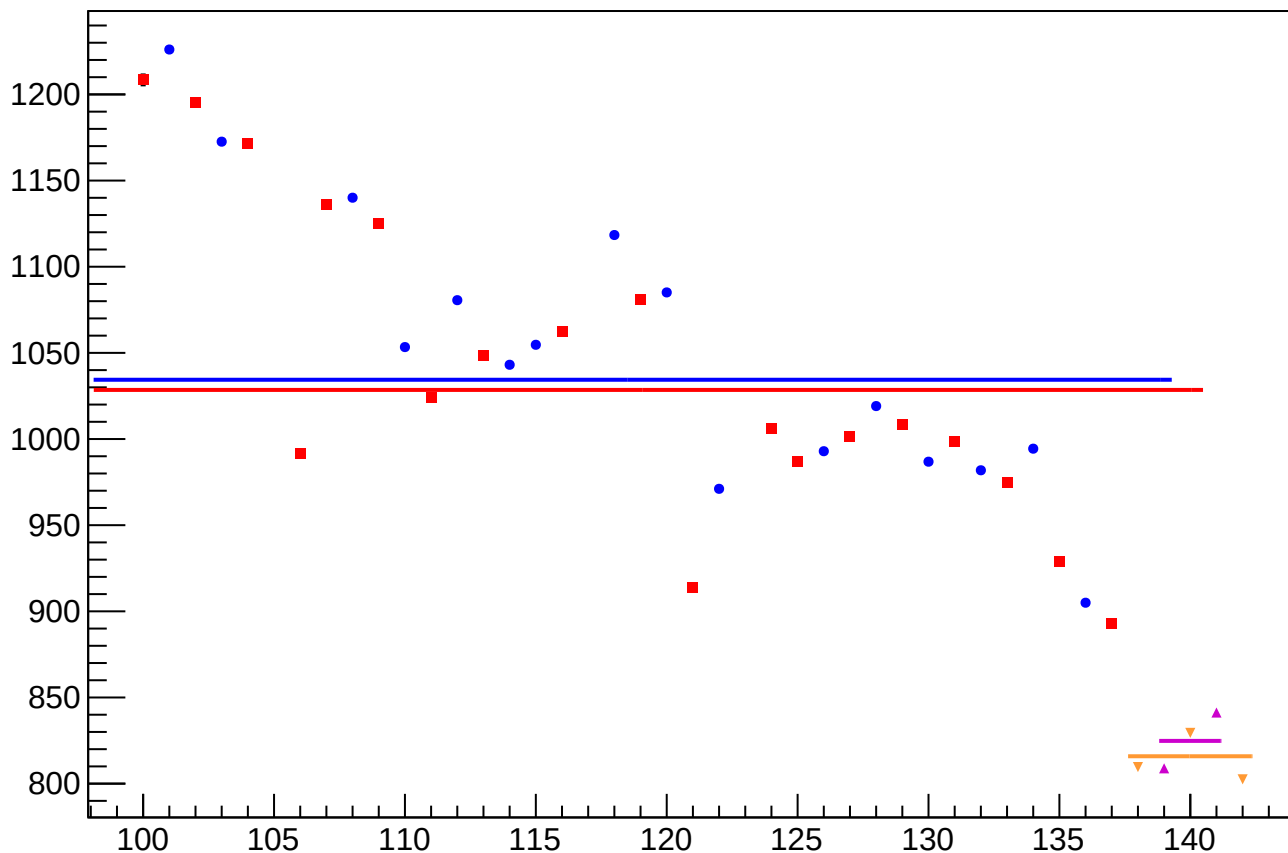
Left In: 0.721 ± 0.627 χ^2/NDF : 0.3/1

+ sign -2.896 ± 0.319 χ^2/NDF : 288.9/18

All: 0.115 ± 0.227 χ^2/NDF : 658.6/39

- sign 3.195 ± 0.323 χ^2/NDF : 189.5/20

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402 $\pm$ 0.273 χ^2 /NDF: 113278.6/15

Left Out: 815.889 $\pm$ 0.402 χ^2 /NDF:790.2/2

Right Out: 1028.501 $\pm$ 0.266 χ^2 /NDF: 101624.8/18

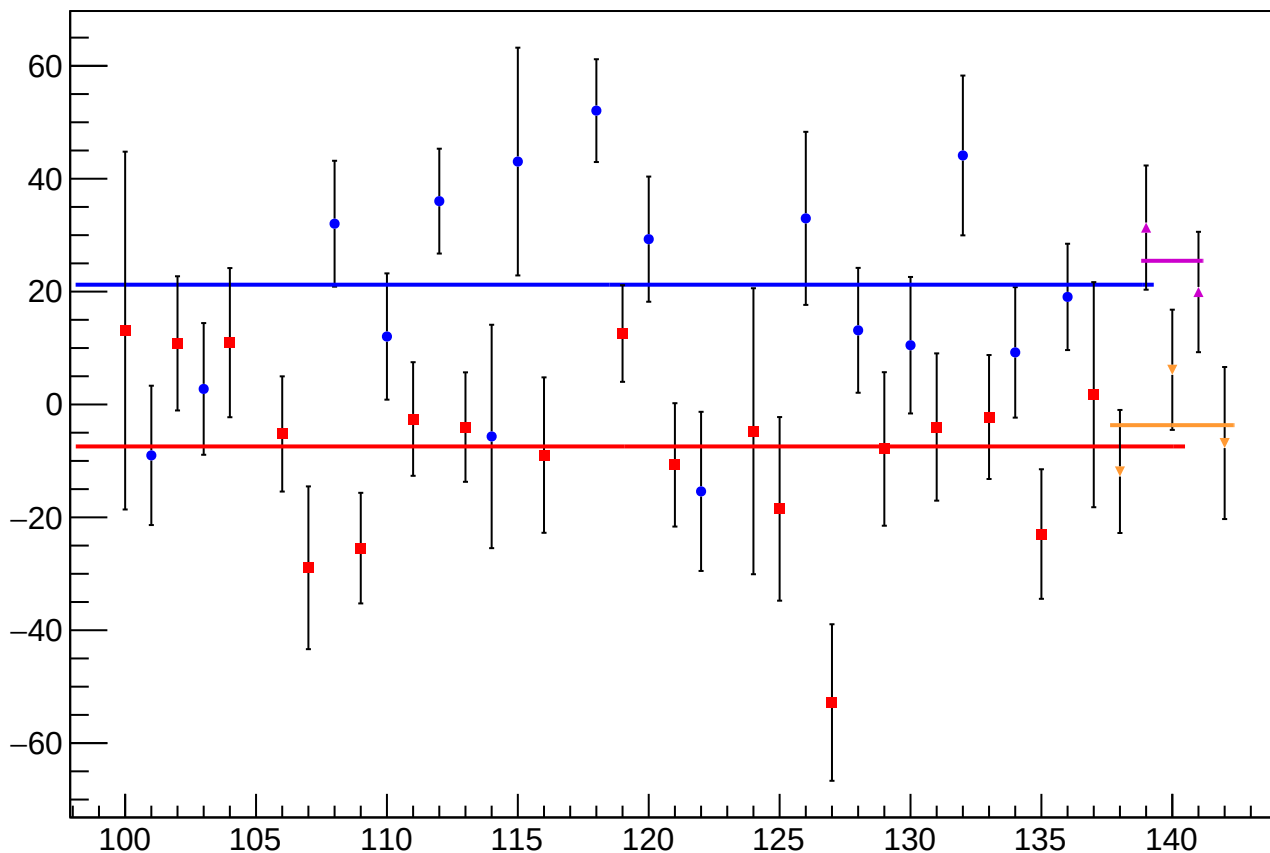
Left In: 824.806 $\pm$ 0.443 χ^2 /NDF:1333.1/1

+ sign 965.413 $\pm$ 0.226 χ^2 /NDF: 316654.8/18

All: 969.927 $\pm$ 0.160 χ^2 /NDF: 575587.8/39

- sign 974.543 $\pm$ 0.228 χ^2 /NDF: 258123.7/20

diff_bpm0l08X_mean vs Slug



Right In: 21.222 $\pm$ 2.952 χ^2 /NDF: 40.1/15

Left Out: -3.665 $\pm$ 6.631 χ^2 /NDF:1.5/2

Right Out: -7.435 $\pm$ 2.810 χ^2 /NDF: 29.8/18

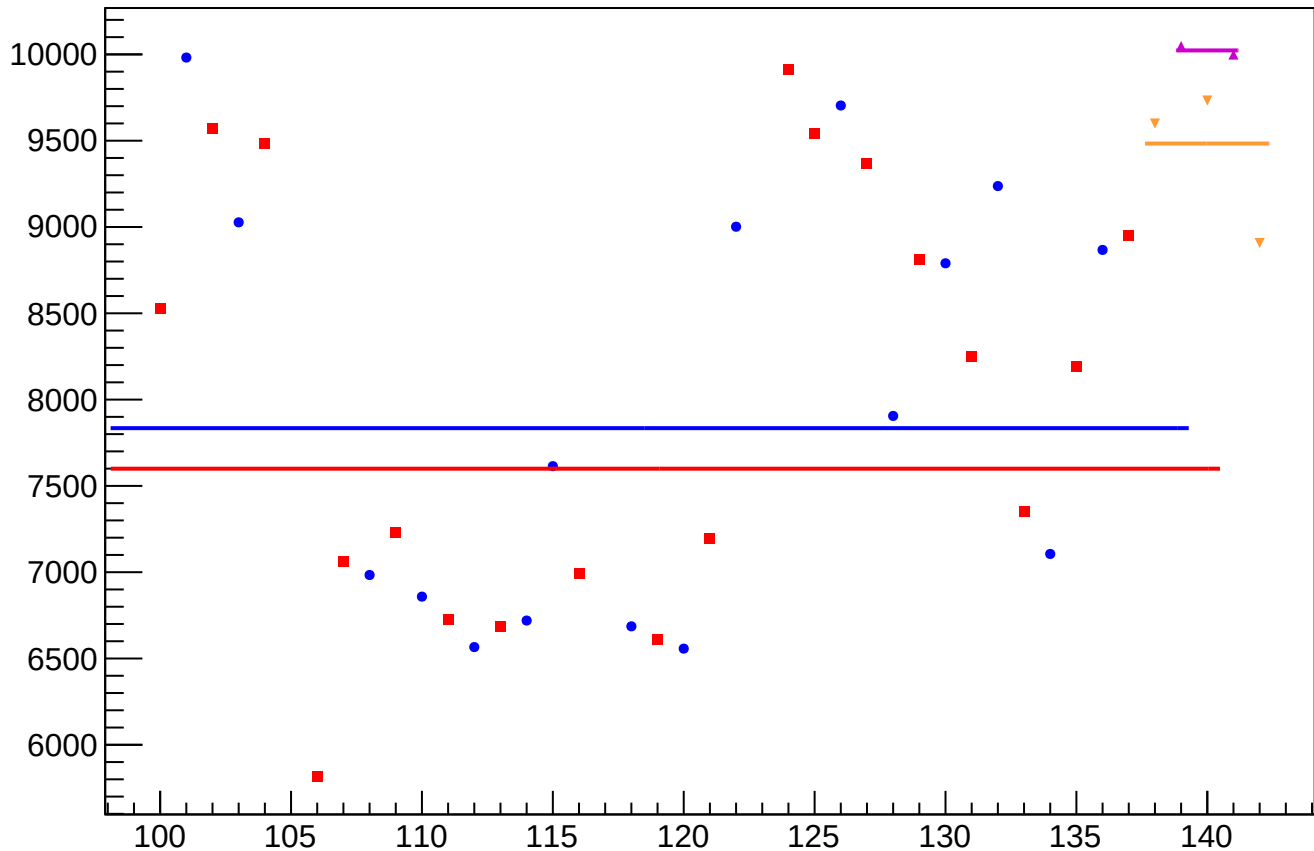
Left In: 25.457 $\pm$ 7.658 χ^2 /NDF:0.6/1

+ sign 17.106 $\pm$ 2.697 χ^2 /NDF: 53.3/18

All: 6.561 $\pm$ 1.886 χ^2 /NDF: 129.8/39

- sign -3.532 $\pm$ 2.638 χ^2 /NDF: 46.6/20

diff_bpm0l08X_rms vs Slug



Right In: 7834.618 $\pm$ 2.087 χ^2 /NDF: 318089.6/15

Left Out: 9483.490 $\pm$ 4.689 χ^2 /NDF: 4983.8/2

Right Out: 7599.749 $\pm$ 1.987 χ^2 /NDF: 344296.8/18

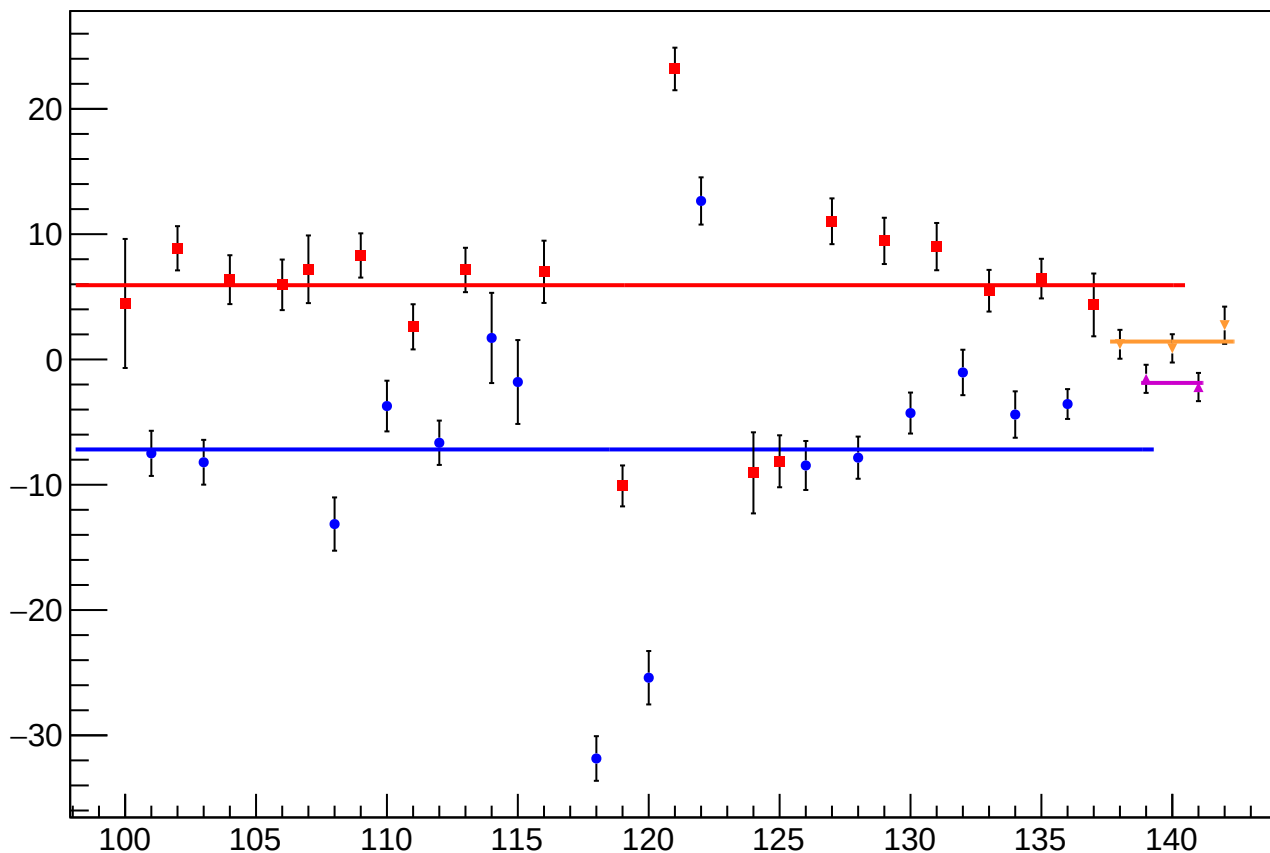
Left In: 10023.058 $\pm$ 5.415 χ^2 /NDF: 20.9/1

+ sign 8107.349 $\pm$ 1.907 χ^2 /NDF: 426297.0/18

All: 7994.941 $\pm$ 1.333 χ^2 /NDF: 953906.1/39

- sign 7887.348 $\pm$ 1.866 χ^2 /NDF: 520807.7/20

diff_bpm0l08Y_mean vs Slug



Right In: -7.183 ± 0.462 χ^2/NDF : 422.2/15

Left Out: 1.429 ± 0.709 χ^2/NDF : 1.0/2

Right Out: 5.927 ± 0.449 χ^2/NDF : 290.4/18

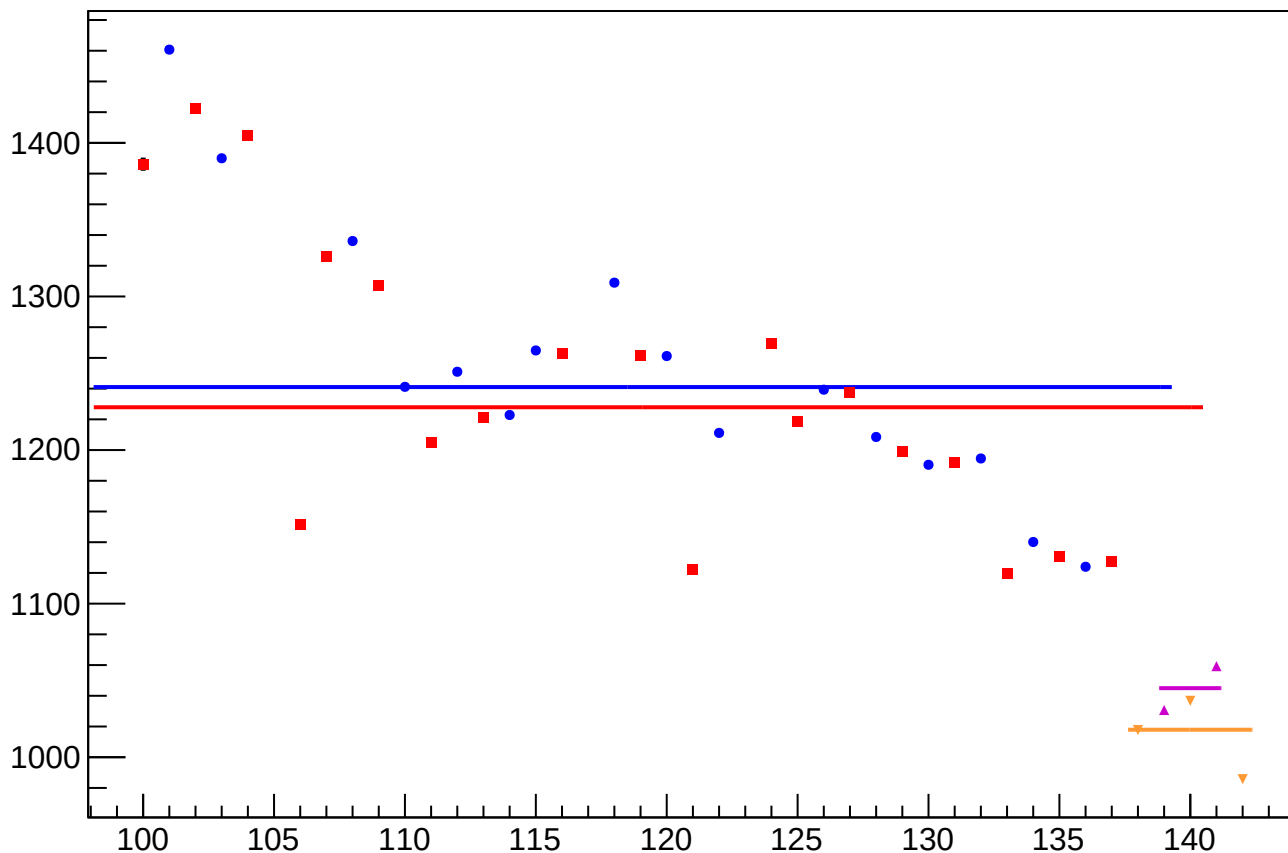
Left In: -1.872 ± 0.795 χ^2/NDF : 0.2/1

+ sign -4.613 ± 0.387 χ^2/NDF : 526.8/18

All: -0.329 ± 0.275 χ^2/NDF : 1137.5/39

- sign 4.040 ± 0.391 χ^2/NDF : 363.5/20

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007 $\pm$ 0.327 χ^2 /NDF: 80653.5/15

Left Out: 1017.899 $\pm$ 0.501 χ^2 /NDF:1495.7/2

Right Out: 1227.864 $\pm$ 0.318 χ^2 /NDF: 82339.2/18

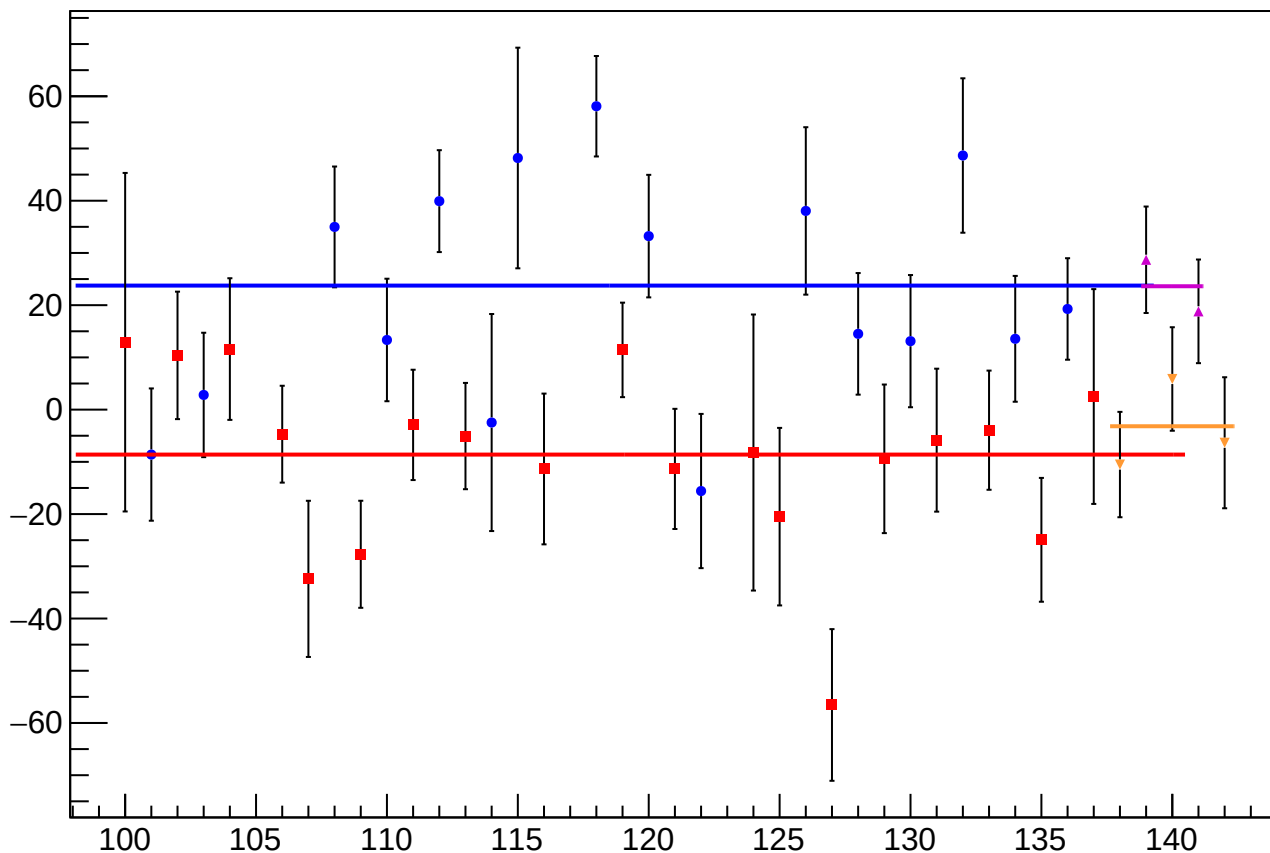
Left In: 1044.973 $\pm$ 0.562 χ^2 /NDF:644.5/1

+ sign 1174.434 $\pm$ 0.274 χ^2 /NDF: 221124.9/18

All: 1178.974 $\pm$ 0.195 χ^2 /NDF: 384912.8/39

- sign 1183.603 $\pm$ 0.277 χ^2 /NDF: 163232.8/20

diff_bpm0l09X_mean vs Slug



Right In: 23.750 $\pm$ 3.081 χ^2 /NDF: 43.4/15

Left Out: -3.184 $\pm$ 6.159 χ^2 /NDF:1.4/2

Right Out: -8.609 $\pm$ 2.899 χ^2 /NDF: 30.5/18

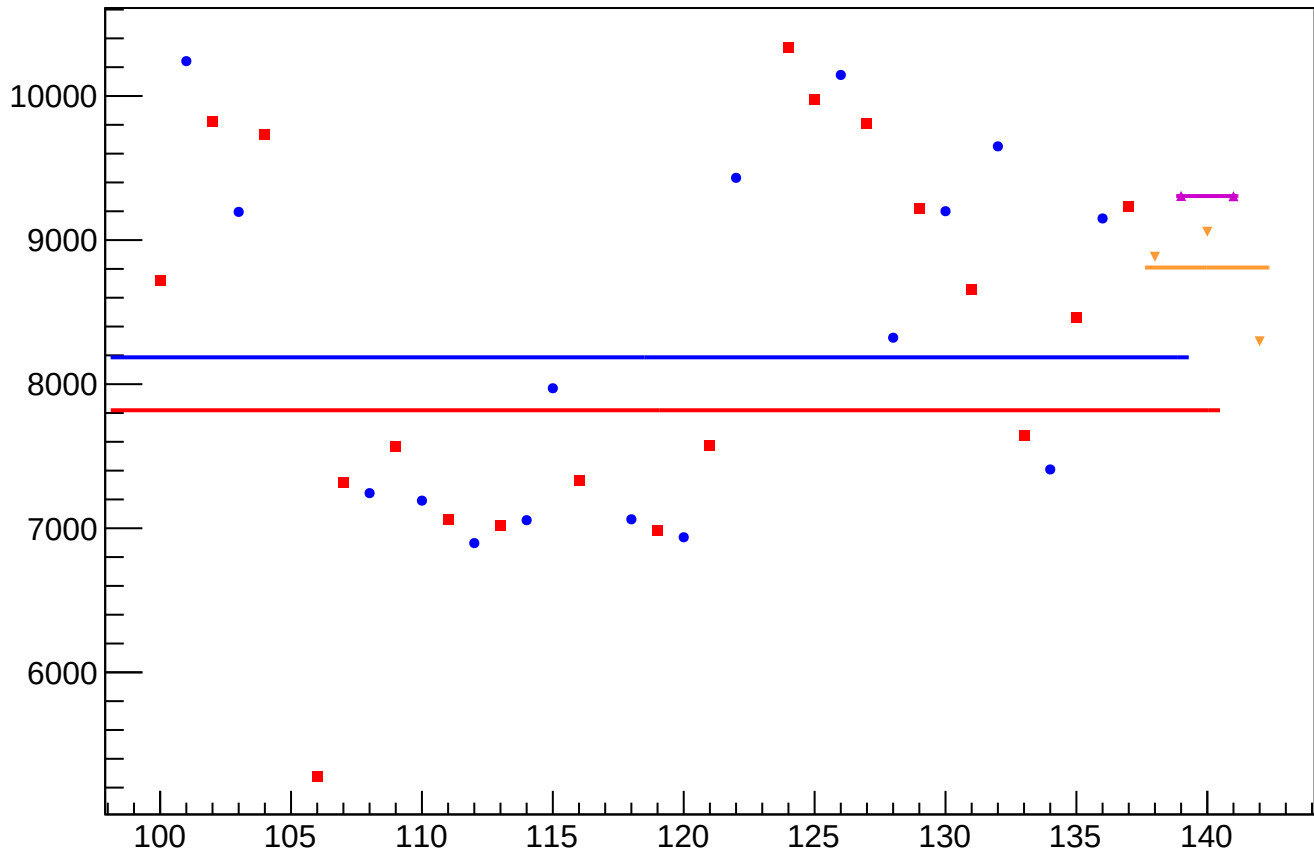
Left In: 23.625 $\pm$ 7.110 χ^2 /NDF:0.5/1

+ sign 18.357 $\pm$ 2.756 χ^2 /NDF: 60.1/18

All: 6.878 $\pm$ 1.923 χ^2 /NDF: 142.5/39

- sign -4.014 $\pm$ 2.684 χ^2 /NDF: 48.6/20

diff_bpm0l09X_rms vs Slug



Right In: 8186.361+/-2.179 χ^2/NDF : 290628.8/15

Left Out: 8809.633+/-4.355 χ^2/NDF : 4703.5/2

Right Out: 7818.965+/-2.050 χ^2/NDF : 422998.1/18

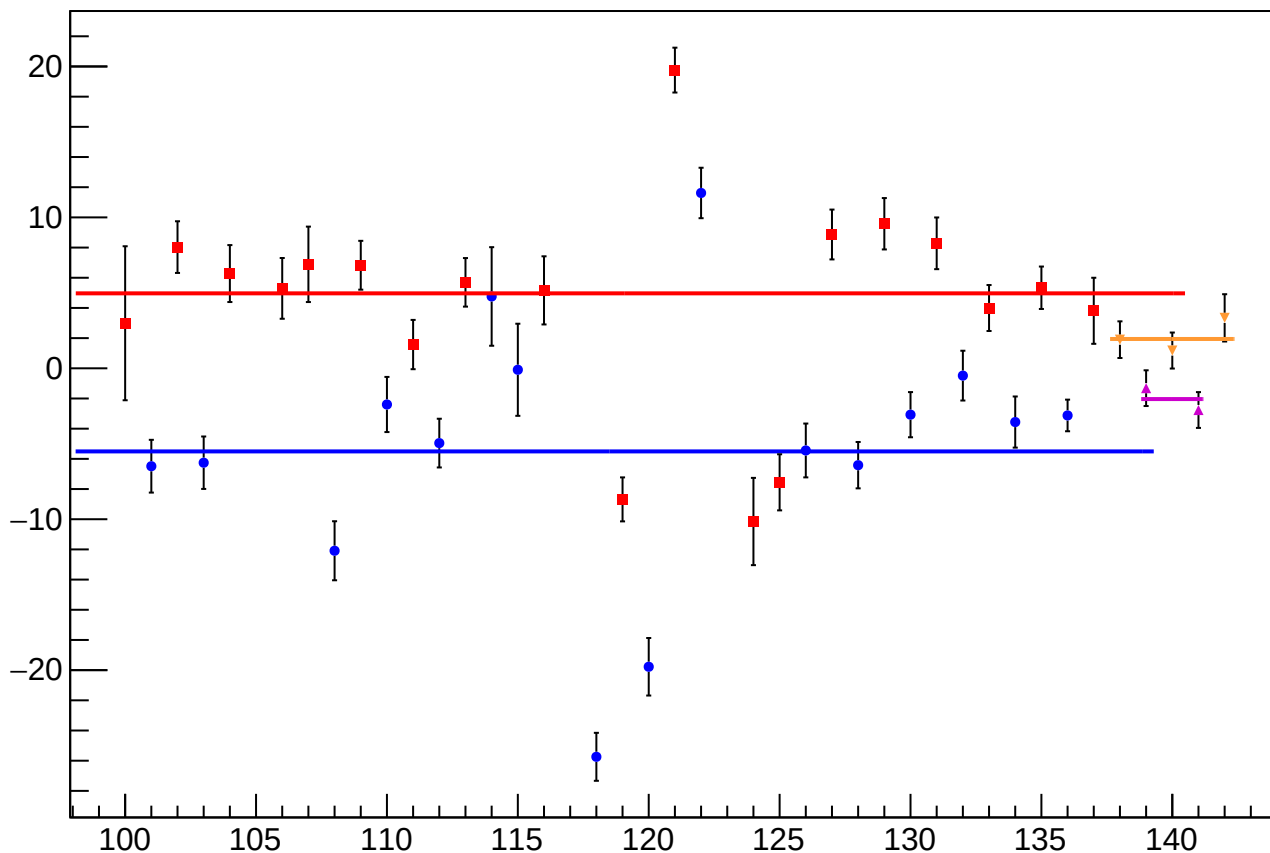
Left In: 9305.678+/-5.028 χ^2/NDF : 0.0/1

+ sign 8311.146+/-1.949 χ^2/NDF : 311714.5/18

All: 8167.343+/-1.360 χ^2/NDF : 820303.5/39

- sign 8030.882+/-1.898 χ^2/NDF : 497974.6/20

diff_bpm0l09Y_mean vs Slug



Right In: -5.506 ± 0.421 χ^2/NDF : 369.8/15

Left Out: 1.944 ± 0.748 χ^2/NDF : 1.2/2

Right Out: 4.967 ± 0.410 χ^2/NDF : 287.3/18

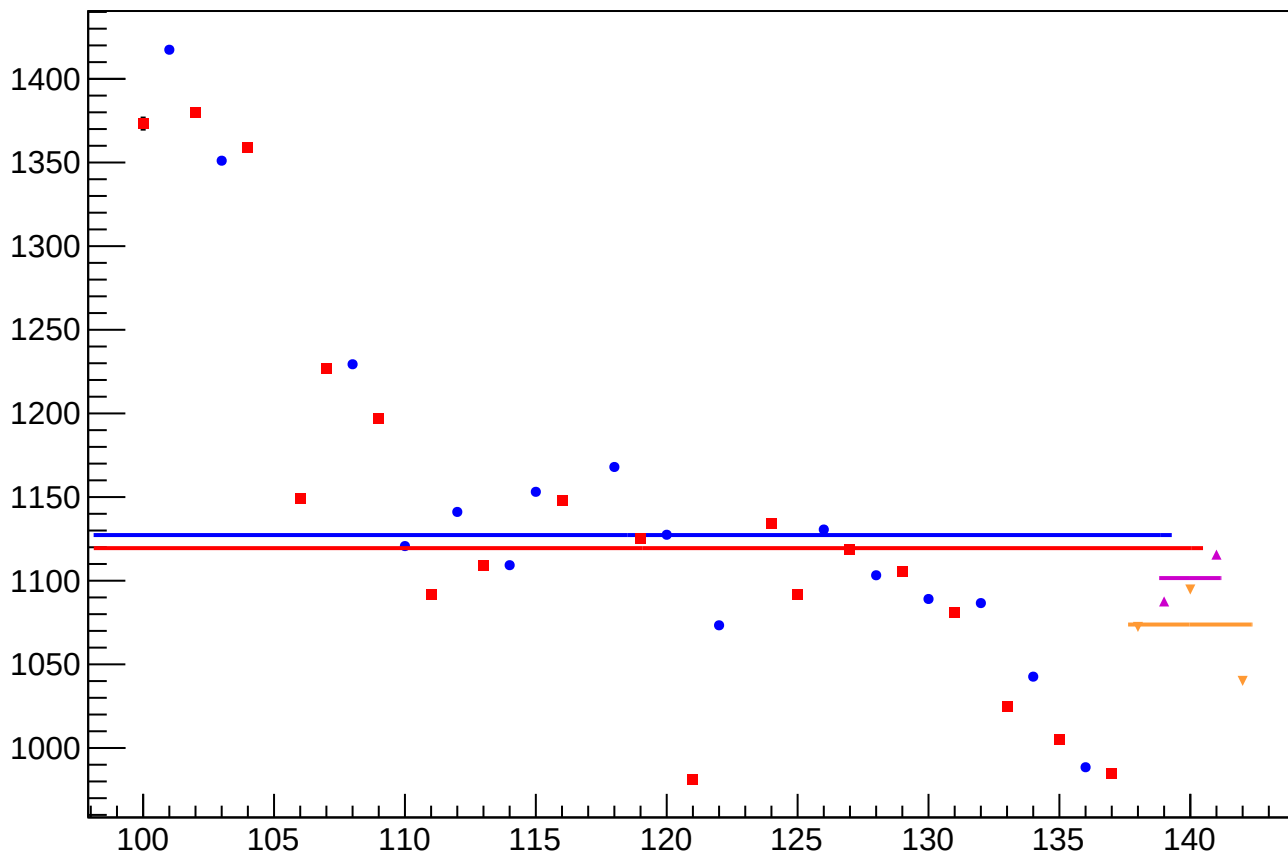
Left In: -2.038 ± 0.838 χ^2/NDF : 0.7/1

+ sign -3.714 ± 0.367 χ^2/NDF : 446.4/18

All: -0.068 ± 0.260 χ^2/NDF : 989.4/39

- sign 3.612 ± 0.369 χ^2/NDF : 344.4/20

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF : 140615.8/15

Left Out: 1073.808+/-0.529 χ^2/NDF :1543.9/2

Right Out: 1119.473+/-0.290 χ^2/NDF : 140736.0/18

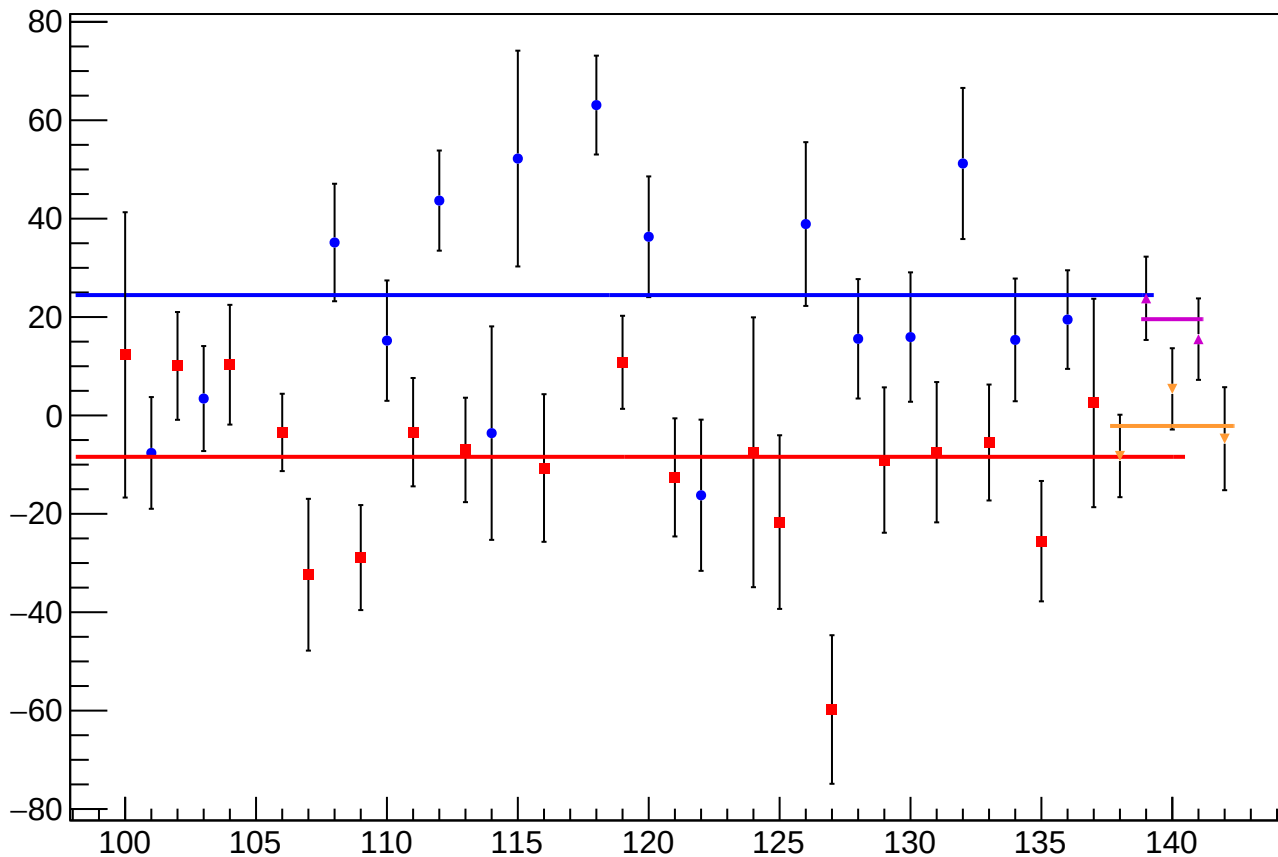
Left In: 1101.575+/-0.593 χ^2/NDF :557.4/1

+ sign 1114.426+/-0.259 χ^2/NDF : 149927.1/18

All: 1115.215+/-0.184 χ^2/NDF : 291975.1/39

- sign 1116.011+/-0.261 χ^2/NDF : 142029.4/20

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2 /NDF: 48.3/15

Left Out: -2.140+/-5.129 χ^2 /NDF:1.4/2

Right Out: -8.413+/-2.891 χ^2 /NDF: 31.1/18

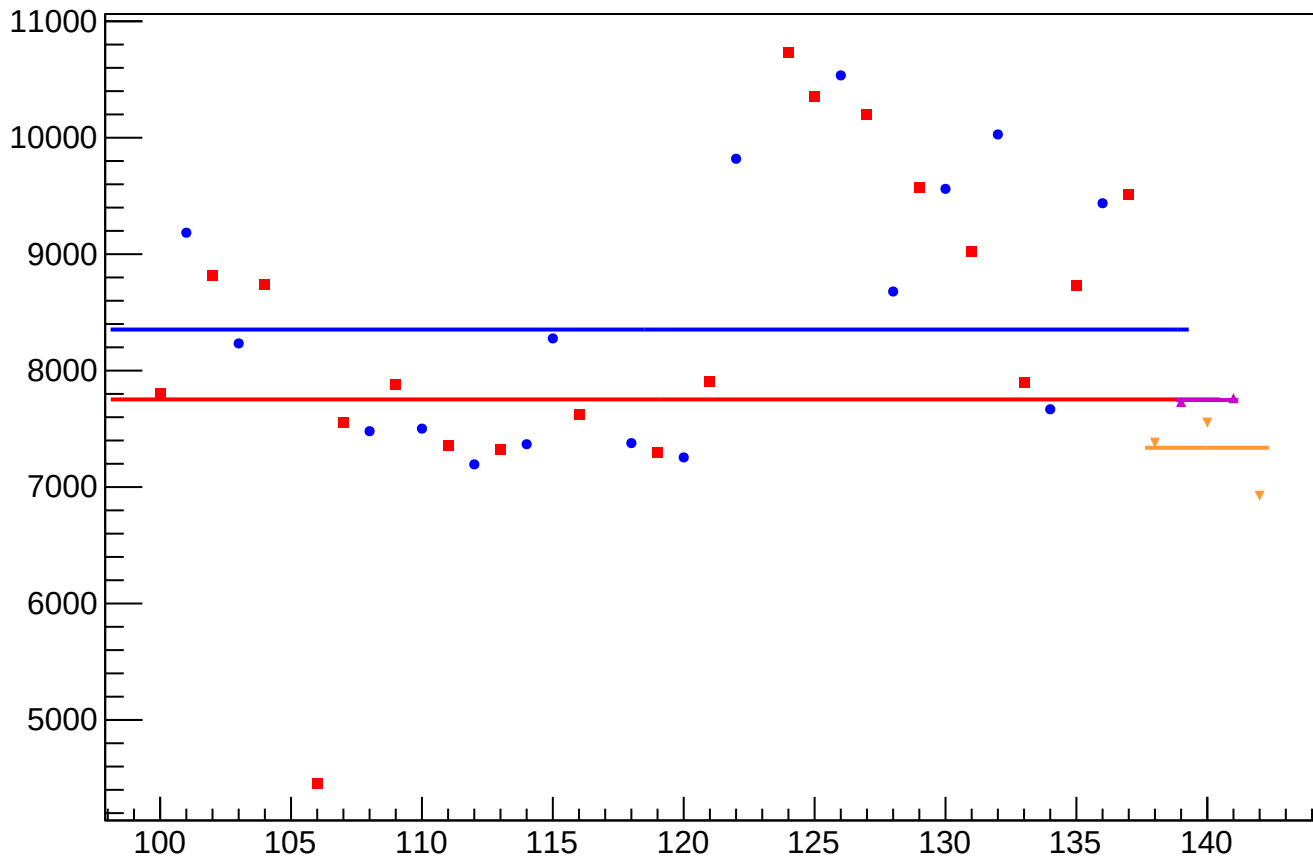
Left In: 19.566+/-5.920 χ^2 /NDF:0.5/1

+ sign 17.224+/-2.676 χ^2 /NDF: 69.3/18

All: 6.800+/-1.864 χ^2 /NDF: 148.5/39

- sign -3.025+/-2.598 χ^2 /NDF: 49.7/20

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF : 220412.5/15

Left Out: 7337.694+/-3.627 χ^2/NDF : 4521.7/2

Right Out: 7752.674+/-2.044 χ^2/NDF : 588072.1/18

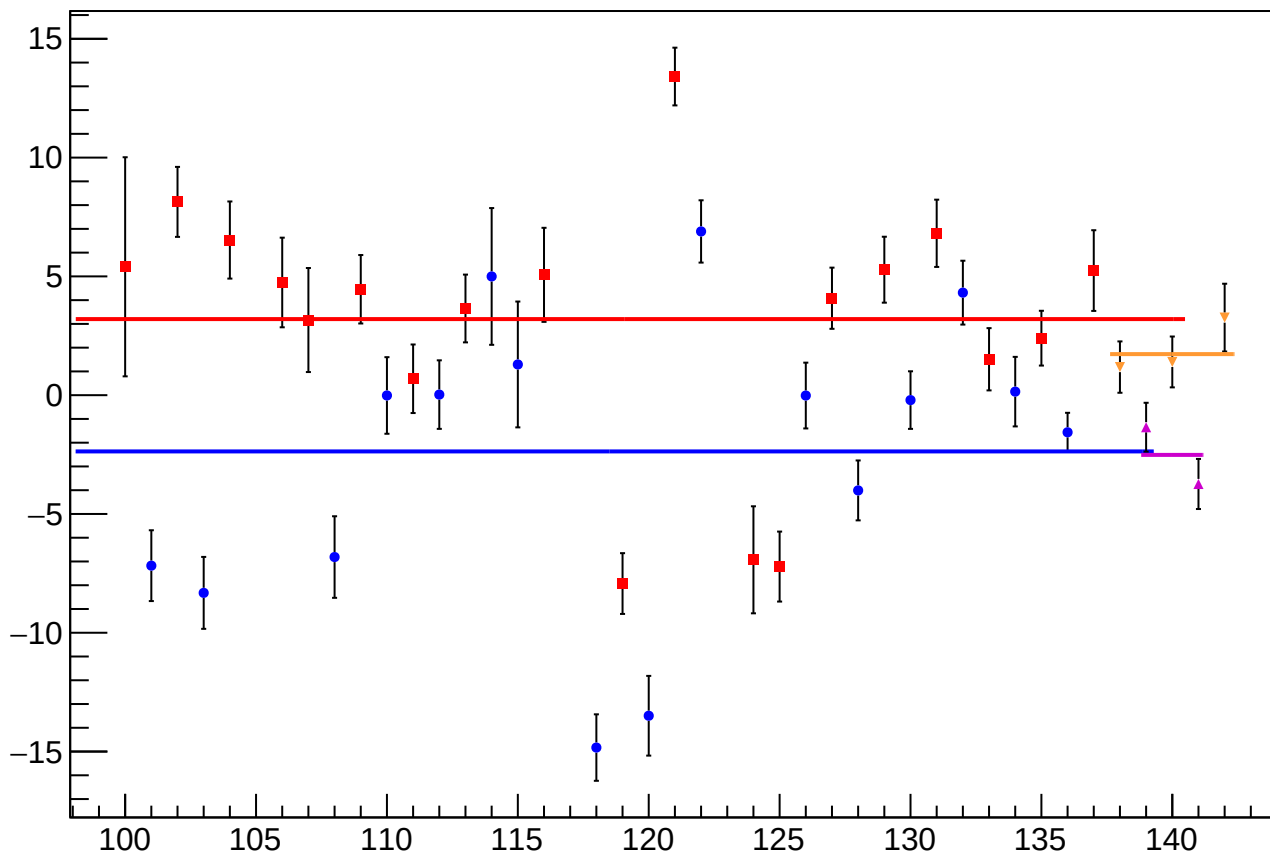
Left In: 7747.588+/-4.186 χ^2/NDF : 14.4/1

+ sign 8076.540+/-1.892 χ^2/NDF : 281948.5/18

All: 7909.319+/-1.318 χ^2/NDF : 885211.8/39

- sign 7751.694+/-1.837 χ^2/NDF : 588087.7/20

diff_bpm0l10Y_mean vs Slug



Right In: -2.368 ± 0.350 χ^2/NDF : 255.6/15

Left Out: 1.728 ± 0.671 χ^2/NDF : 1.5/2

Right Out: 3.203 ± 0.346 χ^2/NDF : 250.5/18

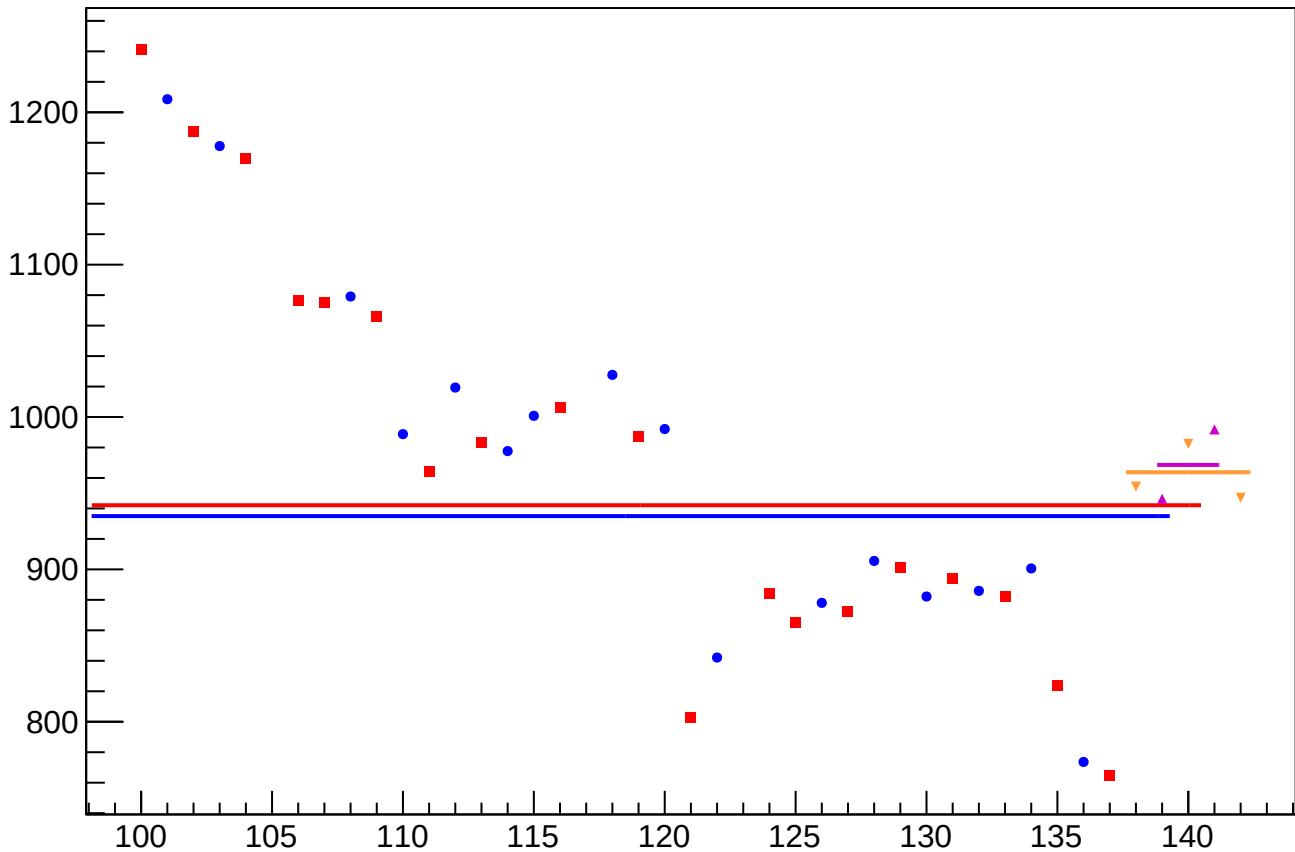
Left In: -2.514 ± 0.736 χ^2/NDF : 2.6/1

+ sign -1.490 ± 0.311 χ^2/NDF : 286.4/18

All: 0.322 ± 0.221 χ^2/NDF : 657.5/39

- sign 2.167 ± 0.313 χ^2/NDF : 302.5/20

diff_bpm0l10Y_rms vs Slug



Right In: 934.975 $\pm$ 0.248 χ^2 /NDF: 254363.7/15

Left Out: 963.744 $\pm$ 0.474 χ^2 /NDF:1033.0/2

Right Out: 942.096 $\pm$ 0.245 χ^2 /NDF: 232453.5/18

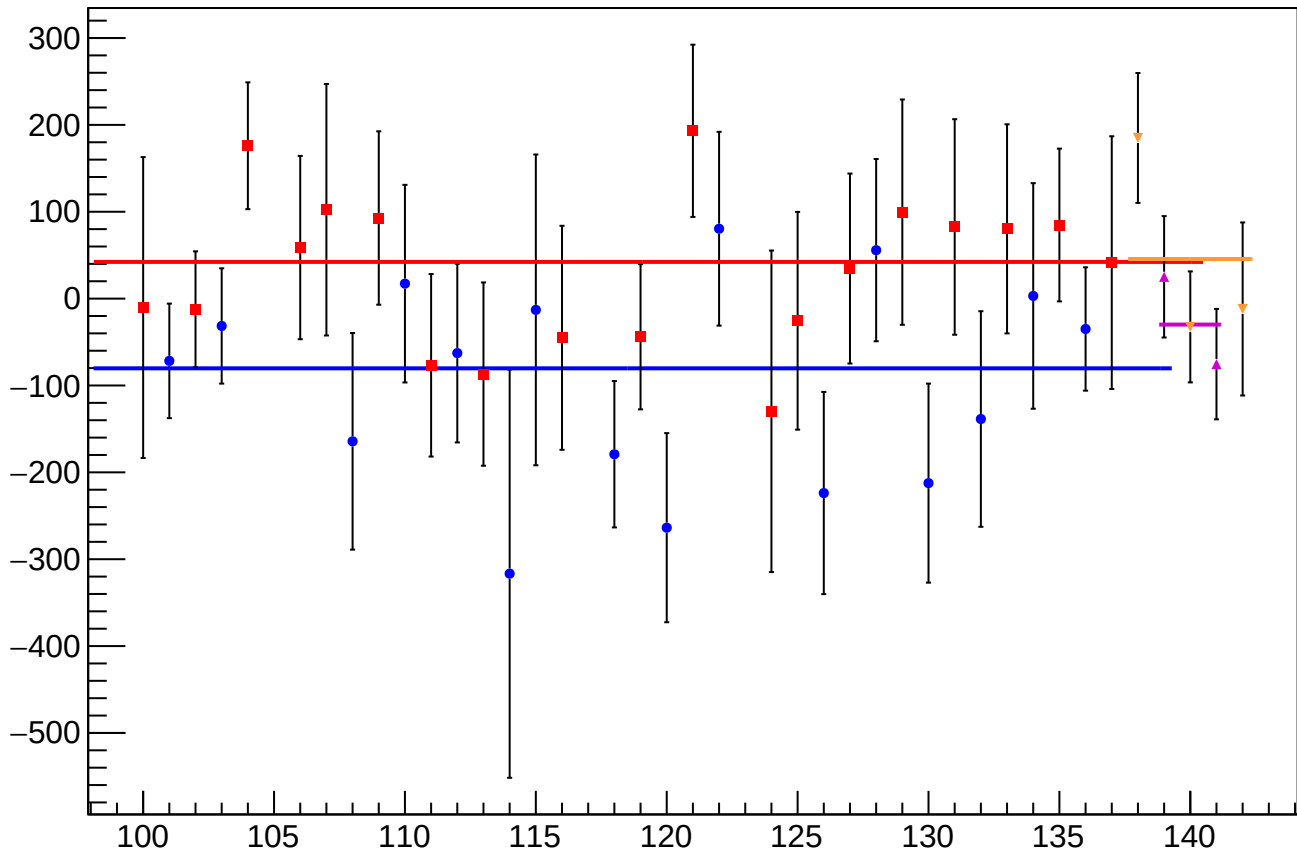
Left In: 968.553 $\pm$ 0.521 χ^2 /NDF:1908.0/1

+ sign 941.140 $\pm$ 0.220 χ^2 /NDF: 258285.2/18

All: 943.989 $\pm$ 0.156 χ^2 /NDF: 495100.3/39

- sign 946.889 $\pm$ 0.222 χ^2 /NDF: 236475.7/20

diff_bpm0r03X_mean vs Slug



Right In: -80.250 $\pm$ 24.909 χ^2 /NDF: 14.8/15

Left Out: 45.580 $\pm$ 43.665 χ^2 /NDF: 5.3/2

Right Out: 42.263 $\pm$ 24.144 χ^2 /NDF: 13.0/18

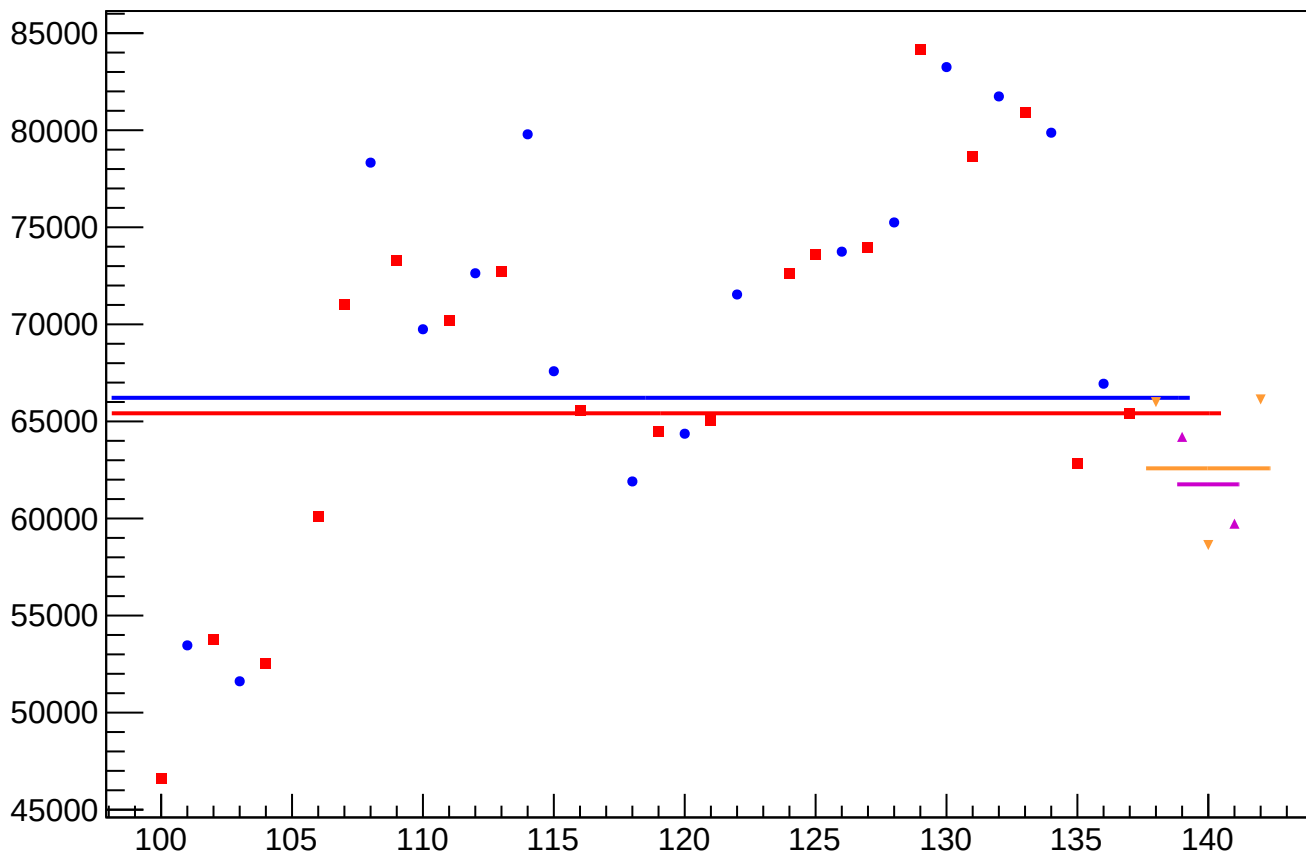
Left In: -29.885 $\pm$ 47.020 χ^2 /NDF: 1.1/1

+ sign -49.357 $\pm$ 21.636 χ^2 /NDF: 26.4/18

All: -10.793 $\pm$ 15.243 χ^2 /NDF: 48.7/39

- sign 27.209 $\pm$ 21.478 χ^2 /NDF: 16.0/20

diff_bpm0r03X_rms vs Slug



Right In: 66216.115+/-17.613 χ^2/NDF : 338377.6/15

Left Out: 62583.390+/-30.876 χ^2/NDF : 14345.6/2

Right Out: 65418.529+/-17.073 χ^2/NDF : 304555.9/18

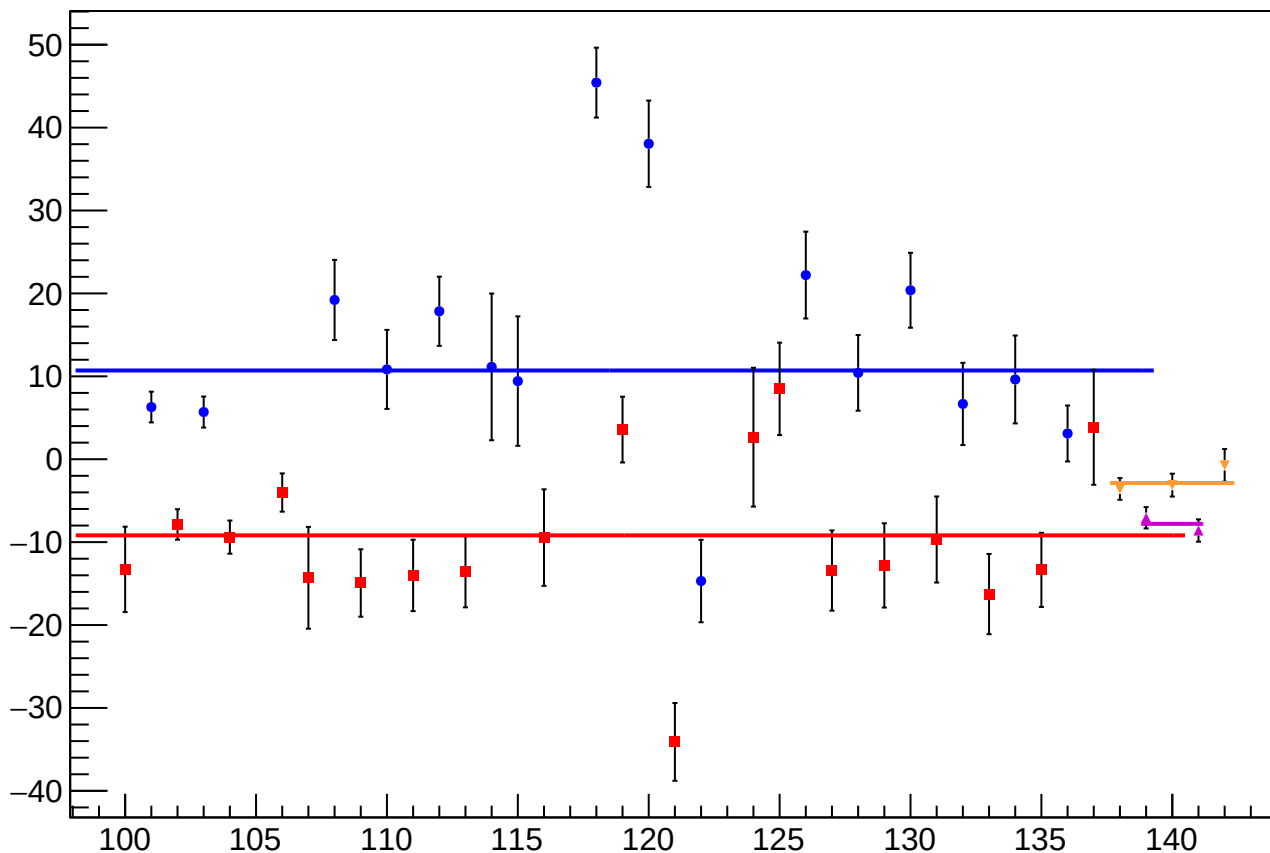
Left In: 61758.573+/-33.248 χ^2/NDF : 4482.5/1

+ sign 65324.212+/-15.299 χ^2/NDF : 363167.2/18

All: 64987.076+/-10.778 χ^2/NDF : 682759.1/3

- sign 64654.842+/-15.187 χ^2/NDF : 318627.7/20

diff_bpm0r03Y_mean vs Slug



Right In: 10.705 ± 0.921 χ^2/NDF : 155.6/15

Left Out: -2.869 ± 0.856 χ^2/NDF : 1.5/2

Right Out: -9.182 ± 0.850 χ^2/NDF : 69.6/18

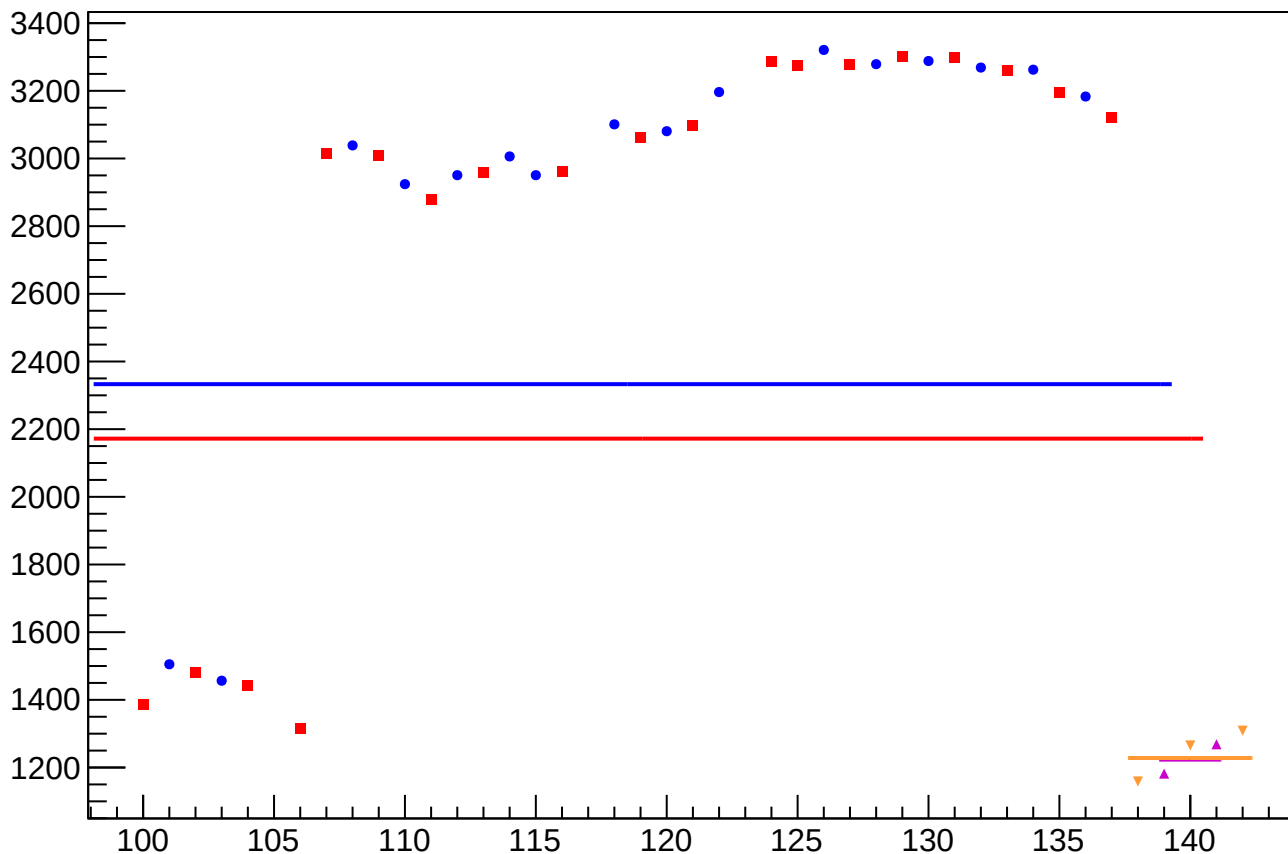
Left In: -7.794 ± 0.931 χ^2/NDF : 0.7/1

+ sign 3.426 ± 0.627 χ^2/NDF : 273.6/18

All: -2.554 ± 0.444 χ^2/NDF : 527.3/39

- sign -8.552 ± 0.628 χ^2/NDF : 71.5/20

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF : 1651407.8/15

Left Out: 1228.082+/-0.605 χ^2/NDF : 10389.7/2

Right Out: 2172.041+/-0.601 χ^2/NDF : 1984197.6/18

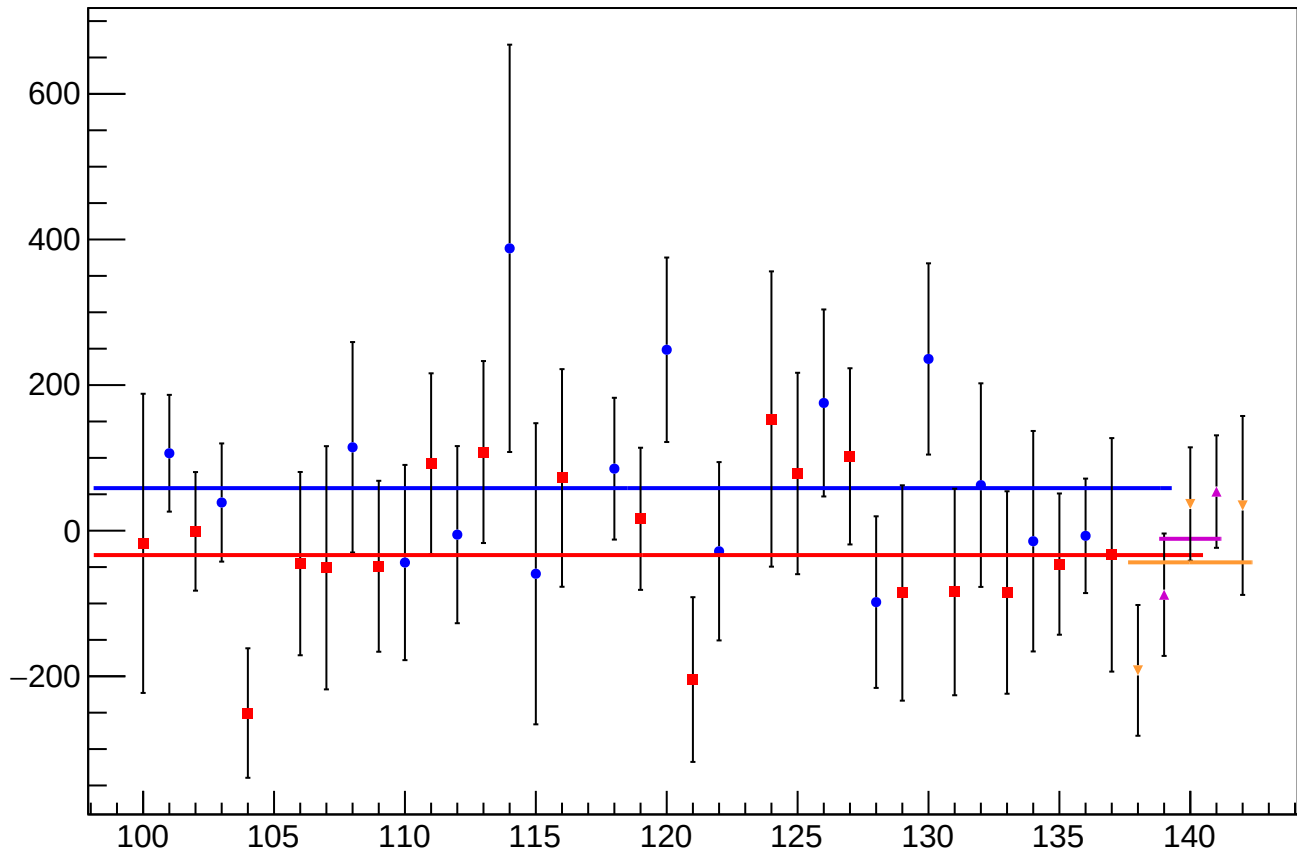
Left In: 1223.297+/-0.659 χ^2/NDF : 4327.1/1

+ sign 1740.542+/-0.443 χ^2/NDF : 3206860.2/18

All: 1740.668+/-0.314 χ^2/NDF : 6327602.6/39

- sign 1740.794+/-0.444 χ^2/NDF : 3120742.2/20

diff_bpm0r05X_mean vs Slug



Right In: 58.446 $\pm$ 28.918 χ^2 /NDF: 11.3/15

Left Out: -43.515 $\pm$ 53.072 χ^2 /NDF: 4.2/2

Right Out: -33.520 $\pm$ 28.106 χ^2 /NDF: 14.7/18

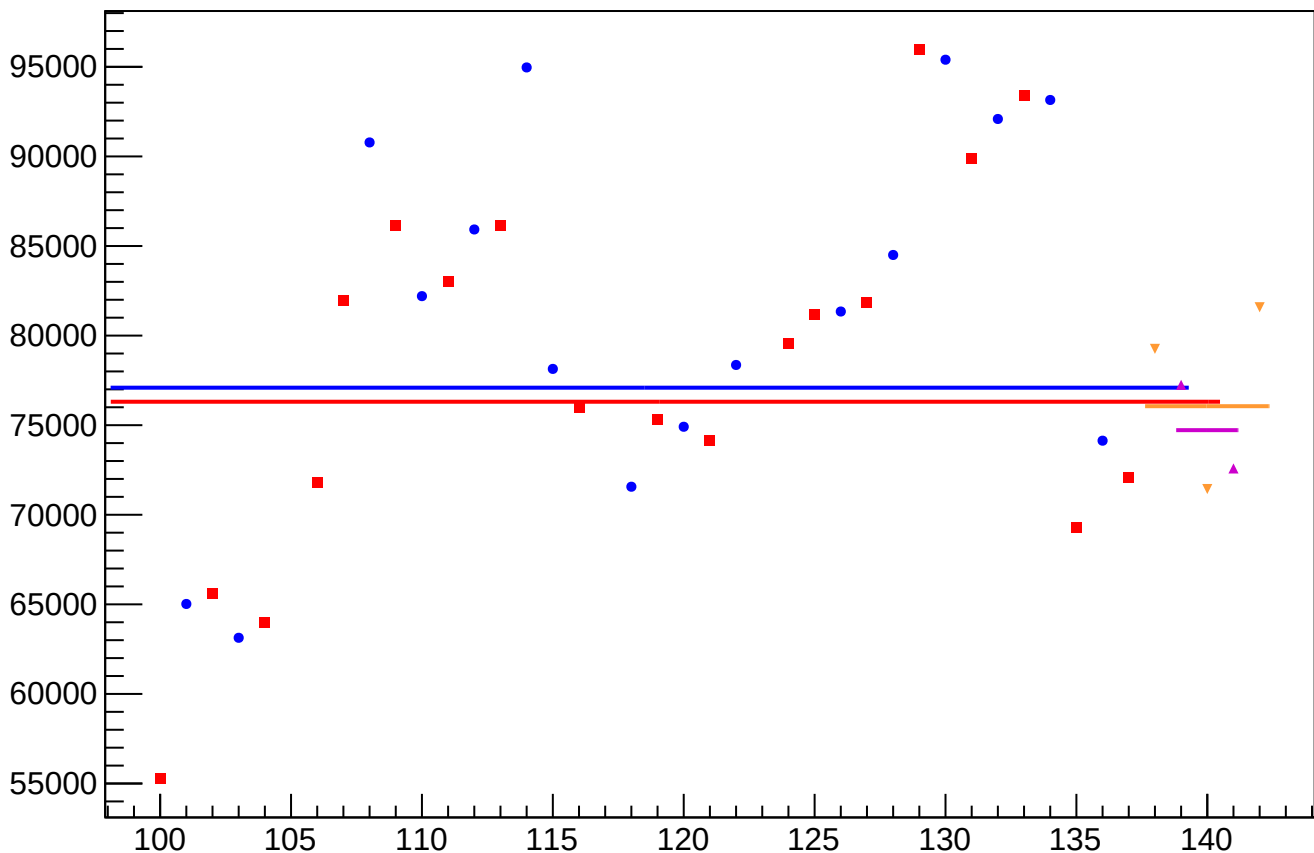
Left In: -11.156 $\pm$ 56.894 χ^2 /NDF: 1.5/1

+ sign 35.105 $\pm$ 25.393 χ^2 /NDF: 18.3/18

All: 2.739 $\pm$ 17.886 χ^2 /NDF: 37.9/39

- sign -29.133 $\pm$ 25.199 χ^2 /NDF: 16.3/20

diff_bpm0r05X_rms vs Slug



Right In: 77093.125+/-20.448 χ^2/NDF : 248542.7/15

Left Out: 76059.593+/-37.528 χ^2/NDF :13626.1/2

Right Out: 76308.708+/-19.874 χ^2/NDF : 234433.2/18

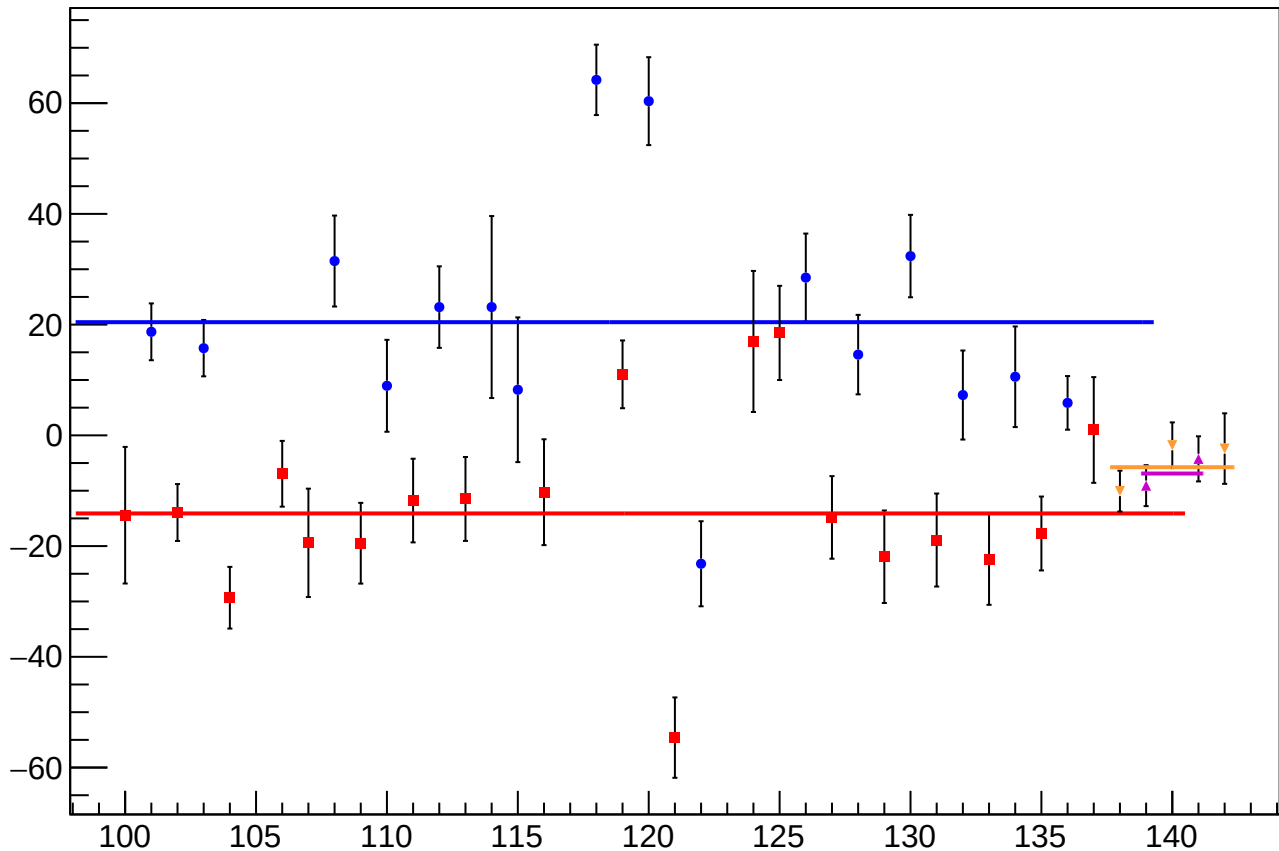
Left In: 74722.352+/-40.230 χ^2/NDF :3341.2/1

+ sign 76856.525+/-17.955 χ^2/NDF : 262753.7/18

All: 76423.725+/-12.648 χ^2/NDF : 502931.1/3

- sign 75997.521+/-17.818 χ^2/NDF : 239024.2/20

diff_bpm0r05Y_mean vs Slug



Right In: 20.441 ± 1.782 χ^2/NDF : 127.8/15

Left Out: -5.755 ± 2.524 χ^2/NDF : 2.6/2

Right Out: -14.102 ± 1.714 χ^2/NDF : 83.8/18

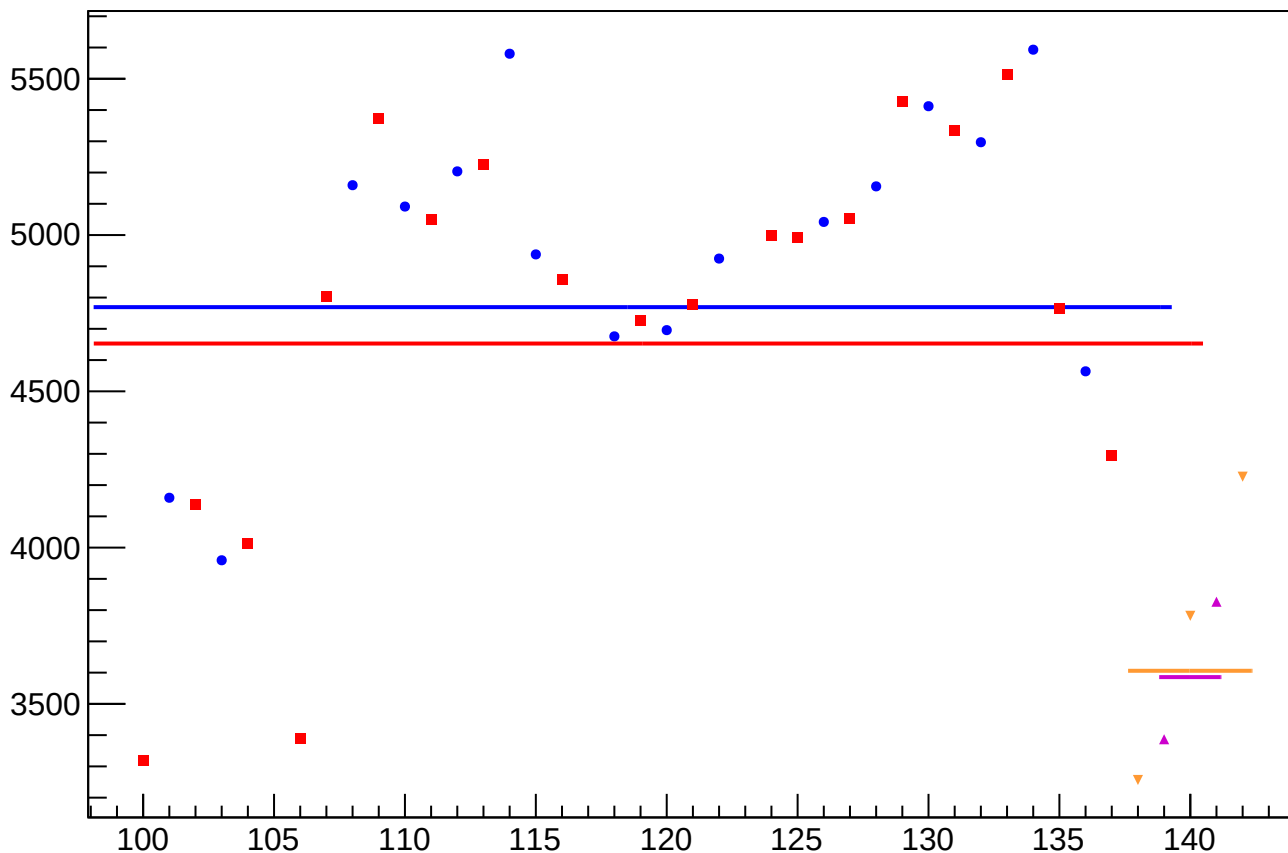
Left In: -6.898 ± 2.739 χ^2/NDF : 0.8/1

+ sign 11.729 ± 1.456 χ^2/NDF : 202.3/18

All: -0.199 ± 1.028 χ^2/NDF : 425.8/39

- sign -12.075 ± 1.453 χ^2/NDF : 89.5/20

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF : 151678.3/15

Left Out: 3605.905+/-1.785 χ^2/NDF : 40595.0/2

Right Out: 4652.924+/-1.212 χ^2/NDF : 265116.1/18

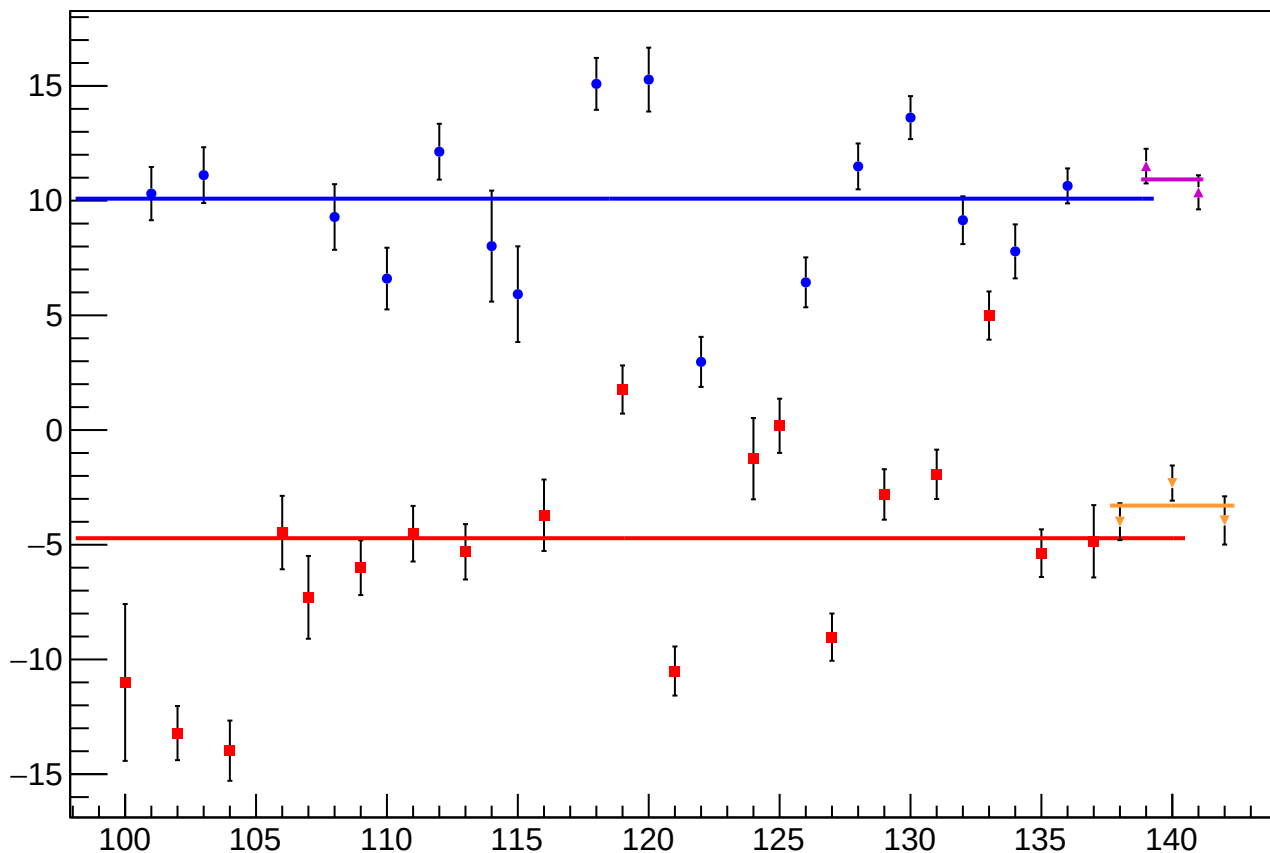
Left In: 3585.682+/-1.937 χ^2/NDF : 12785.7/1

+ sign 4382.444+/-1.029 χ^2/NDF : 475818.2/18

All: 4367.517+/-0.727 χ^2/NDF : 972411.9/39

- sign 4352.653+/-1.027 χ^2/NDF : 496174.0/20

diff_bpm2i01X_mean vs Slug



Right In: 10.086 ± 0.288 χ^2/NDF : 123.9/15

Left Out: -3.293 ± 0.490 χ^2/NDF : 2.8/2

Right Out: -4.715 ± 0.286 χ^2/NDF : 310.2/18

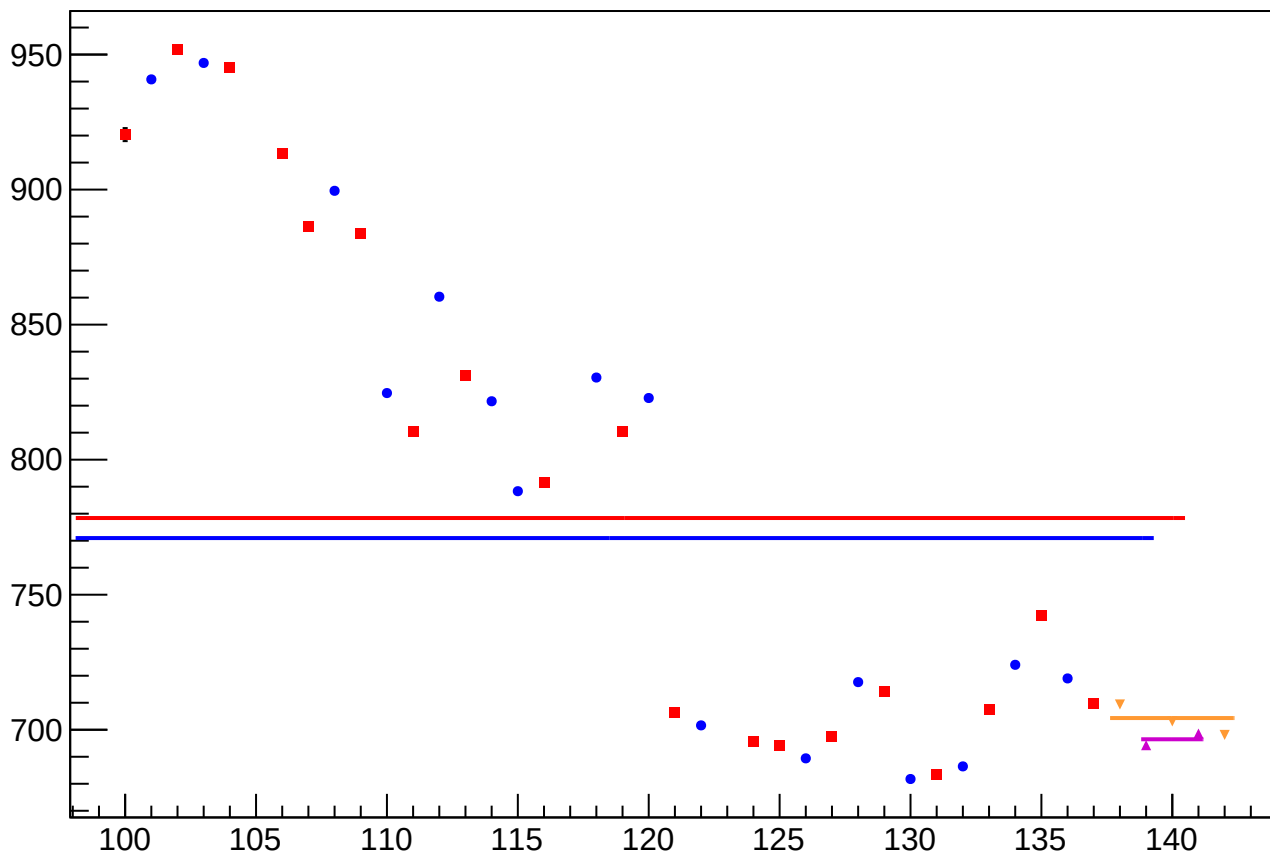
Left In: 10.925 ± 0.529 χ^2/NDF : 1.2/1

+ sign 6.649 ± 0.249 χ^2/NDF : 679.8/18

All: 2.777 ± 0.177 χ^2/NDF : 2158.1/39

- sign -1.185 ± 0.251 χ^2/NDF : 987.5/20

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF : 192911.9/15

Left Out: 704.333+/-0.347 χ^2/NDF :154.2/2

Right Out: 778.394+/-0.202 χ^2/NDF : 196544.2/18

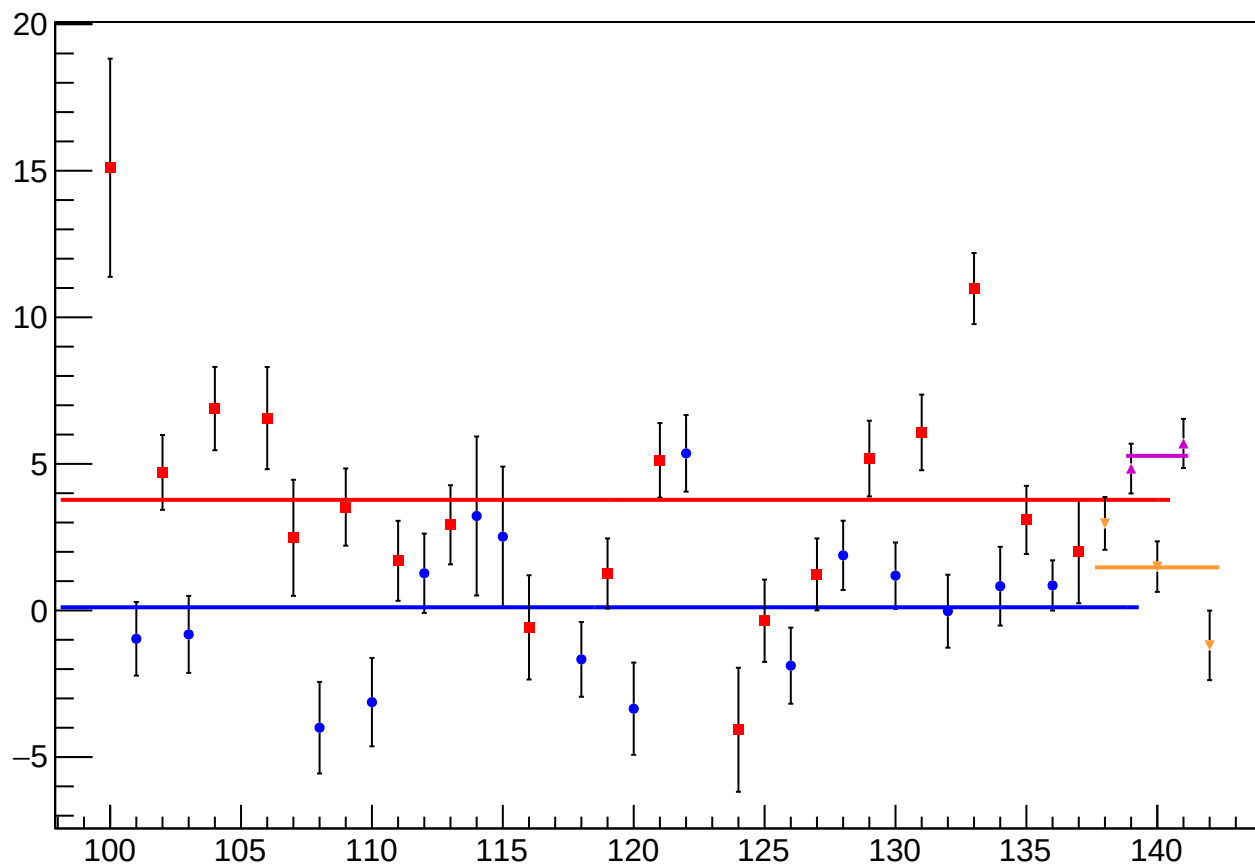
Left In: 696.472+/-0.374 χ^2/NDF :32.9/1

+ sign 753.852+/-0.176 χ^2/NDF : 220507.3/18

All: 756.842+/-0.125 χ^2/NDF : 454772.8/39

- sign 759.902+/-0.178 χ^2/NDF : 233679.9/20

diff_bpm2i01Y_mean vs Slug



Right In: 0.109 ± 0.330 χ^2/NDF : 45.4/15

Left Out: 1.470 ± 0.551 χ^2/NDF : 7.8/2

Right Out: 3.774 ± 0.326 χ^2/NDF : 99.6/18

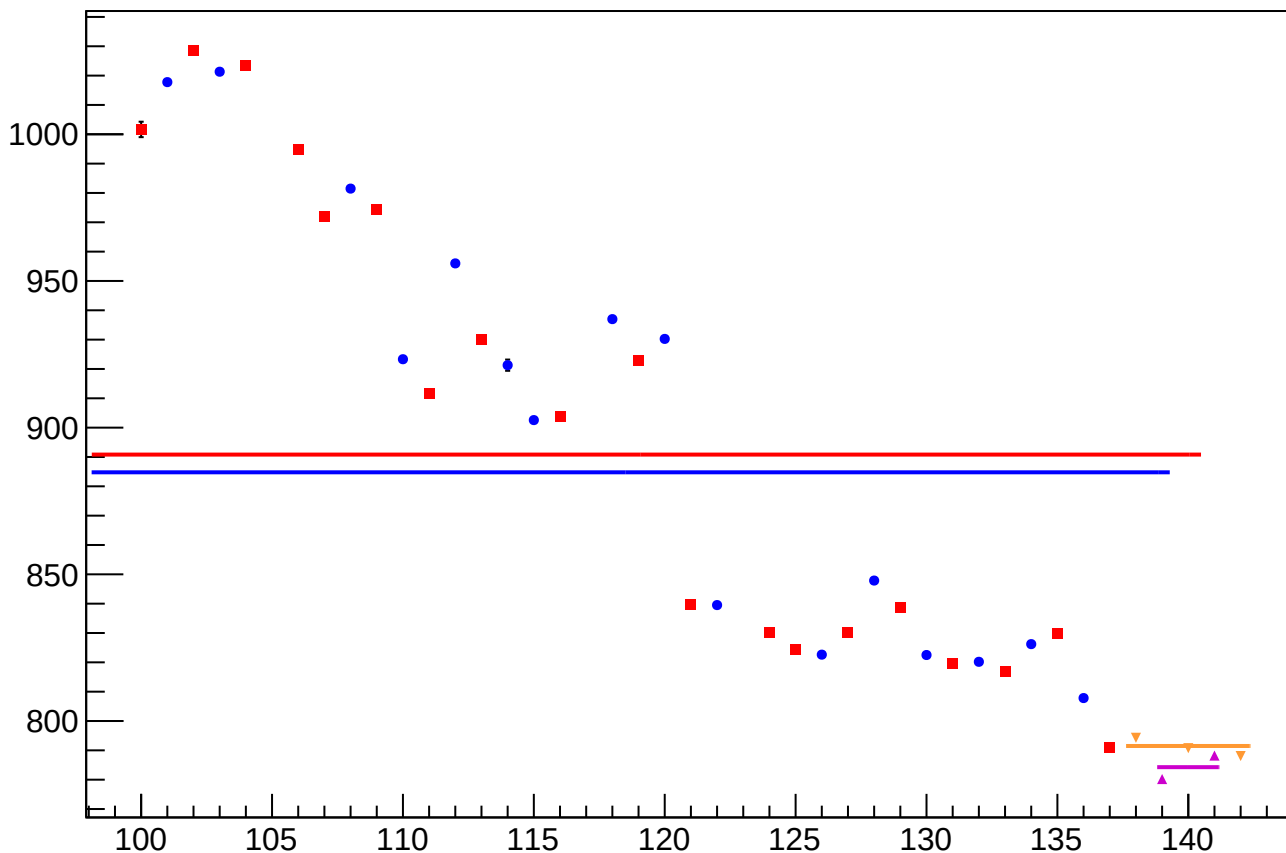
Left In: 5.274 ± 0.596 χ^2/NDF : 0.5/1

+ sign 0.468 ± 0.283 χ^2/NDF : 57.7/18

All: 2.274 ± 0.201 χ^2/NDF : 244.9/39

- sign 4.119 ± 0.286 χ^2/NDF : 105.0/20

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF : 104494.1/15

Left Out: 791.487+/-0.390 χ^2/NDF : 37.5/2

Right Out: 890.815+/-0.231 χ^2/NDF : 107763.6/18

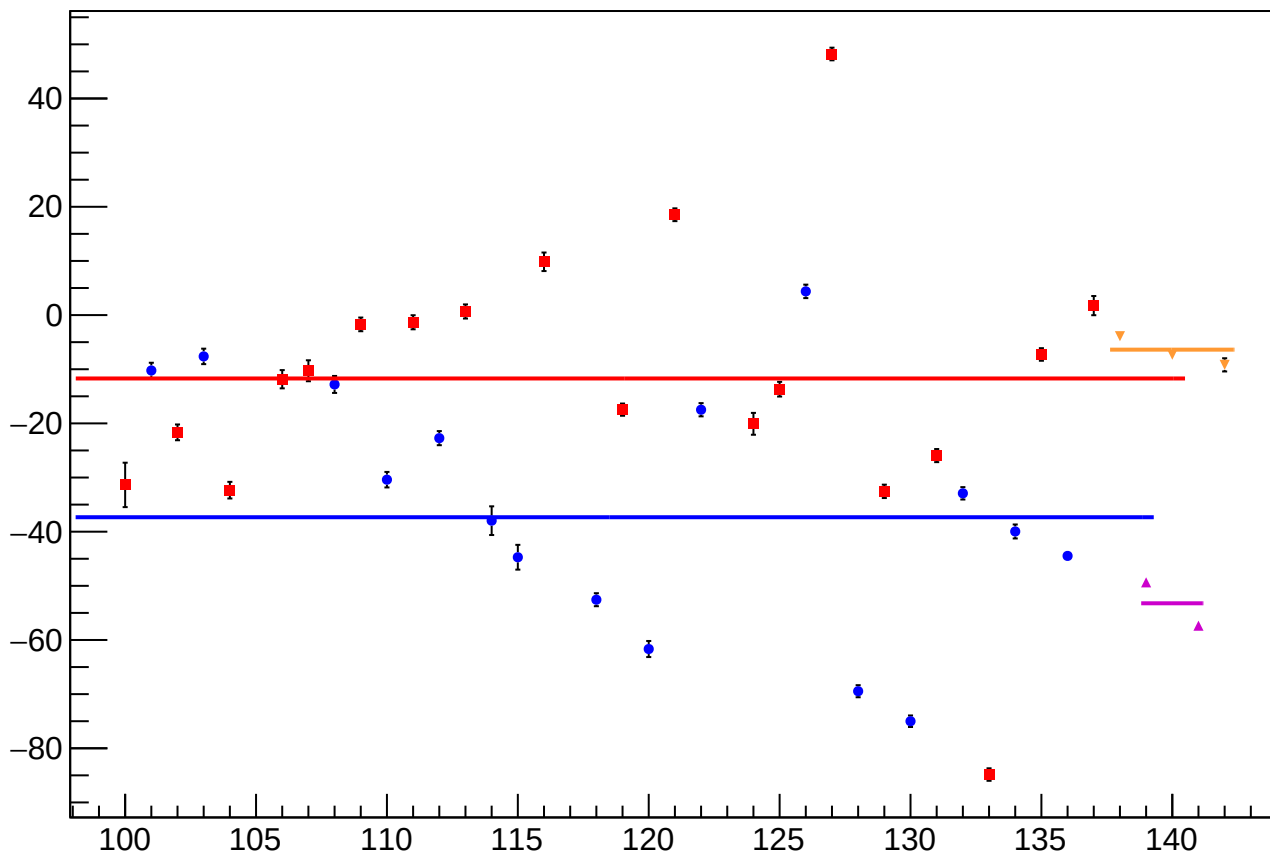
Left In: 784.267+/-0.421 χ^2/NDF : 90.1/1

+ sign 860.159+/-0.200 χ^2/NDF : 146726.6/18

All: 863.184+/-0.142 χ^2/NDF : 304232.5/39

- sign 866.274+/-0.202 χ^2/NDF : 157044.1/20

diff_bpm2i02X_mean vs Slug



Right In: -37.330 ± 0.322 $\chi^2/\text{NDF}: 5184.7/15$

Left Out: -6.383 ± 0.556 $\chi^2/\text{NDF}: 14.2/2$

Right Out: -11.706 ± 0.318 $\chi^2/\text{NDF}: 8463.6/18$

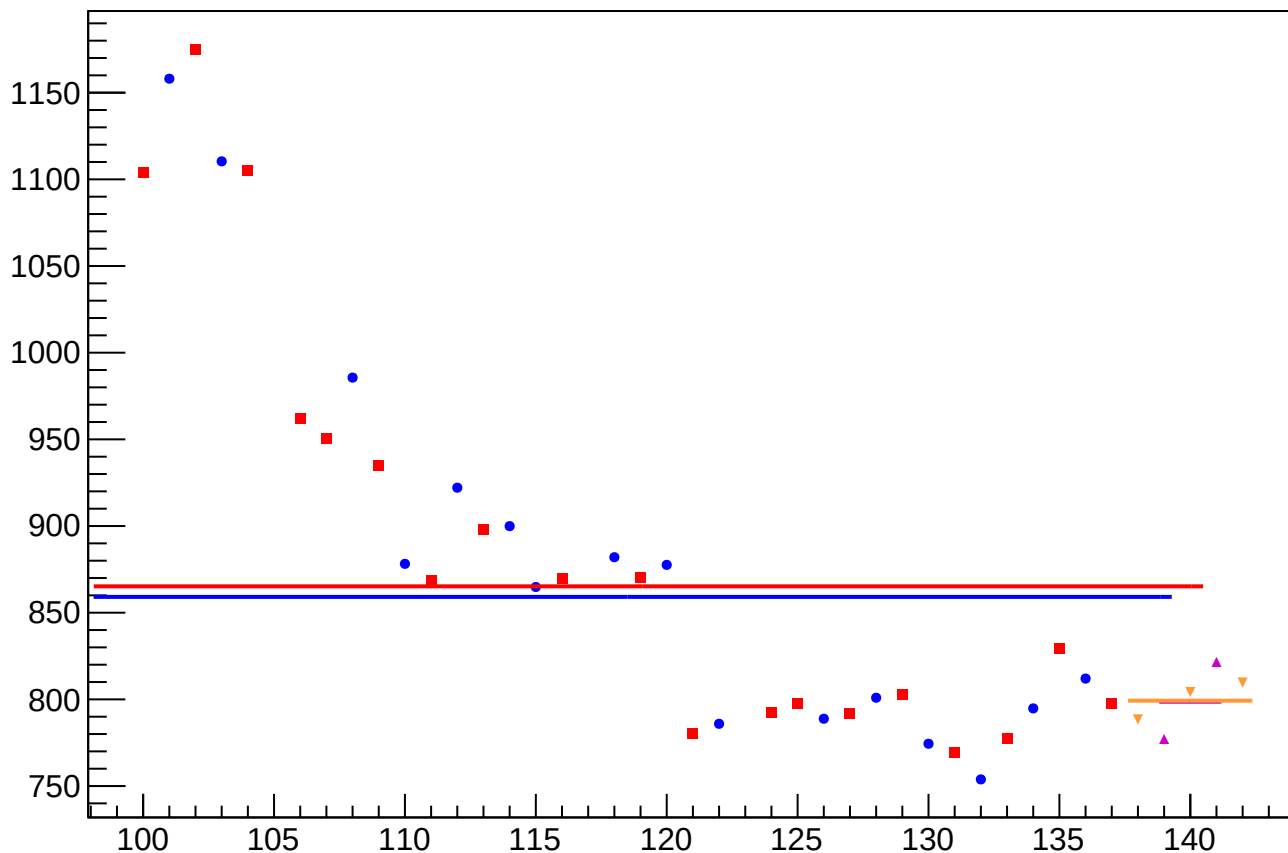
Left In: -53.224 ± 0.607 $\chi^2/\text{NDF}: 43.4/1$

+ sign -29.575 ± 0.279 $\chi^2/\text{NDF}: 7517.3/18$

All: -25.157 ± 0.198 $\chi^2/\text{NDF}: 20203.1/39$

- sign -20.640 ± 0.282 $\chi^2/\text{NDF}: 12177.0/20$

diff_bpm2i02X_rms vs Slug



Right In: 859.126 $\pm$ 0.228 χ^2 /NDF: 228710.0/15

Left Out: 799.247 $\pm$ 0.393 χ^2 /NDF:504.7/2

Right Out: 865.213 $\pm$ 0.225 χ^2 /NDF: 223669.1/18

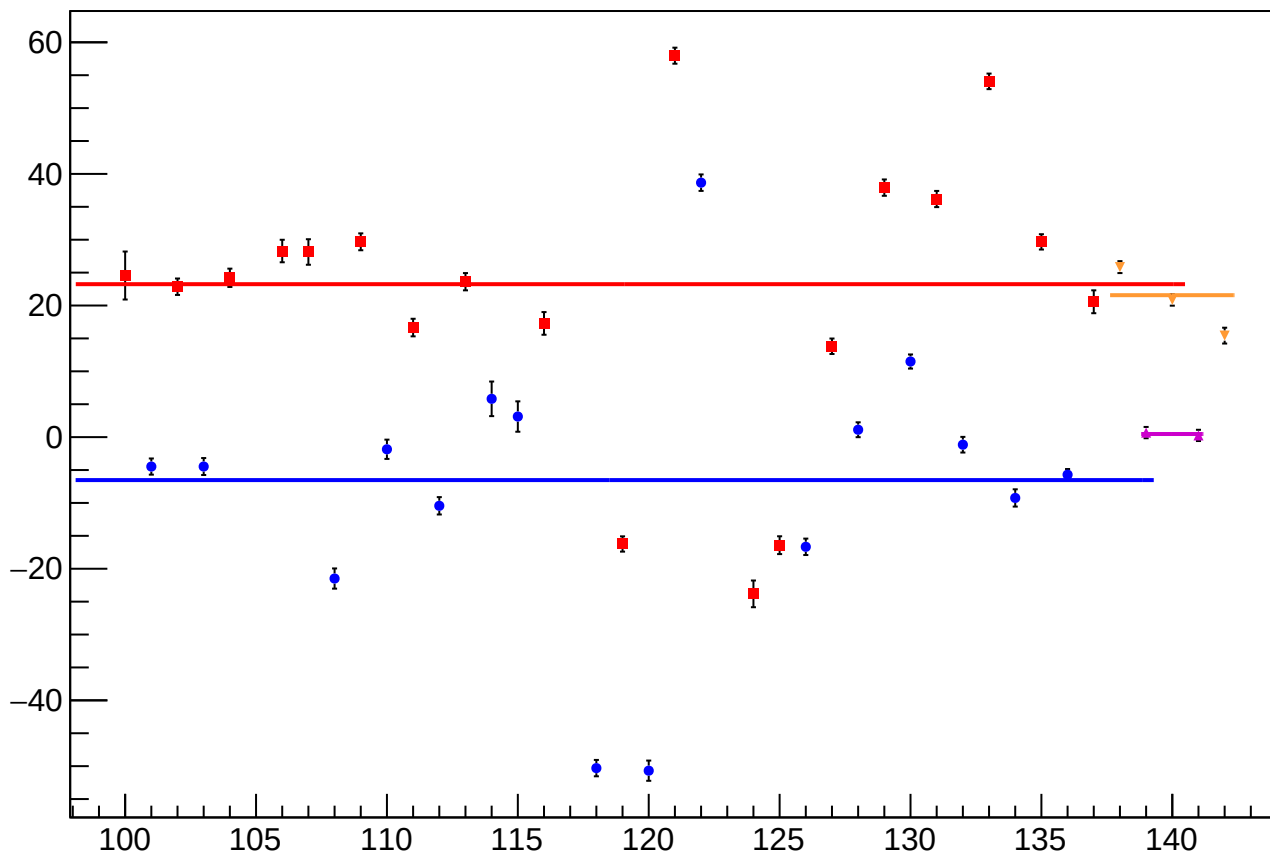
Left In: 798.637 $\pm$ 0.429 χ^2 /NDF:2676.8/1

+ sign 844.122 $\pm$ 0.197 χ^2 /NDF: 246573.7/18

All: 847.467 $\pm$ 0.140 χ^2 /NDF: 492376.8/39

- sign 850.887 $\pm$ 0.199 χ^2 /NDF: 245219.6/20

diff_bpm2i02Y_mean vs Slug



Right In: -6.529 ± 0.321 χ^2/NDF : 3946.1/15

Left Out: 21.571 ± 0.558 χ^2/NDF : 48.9/2

Right Out: 23.244 ± 0.317 χ^2/NDF : 4470.0/18

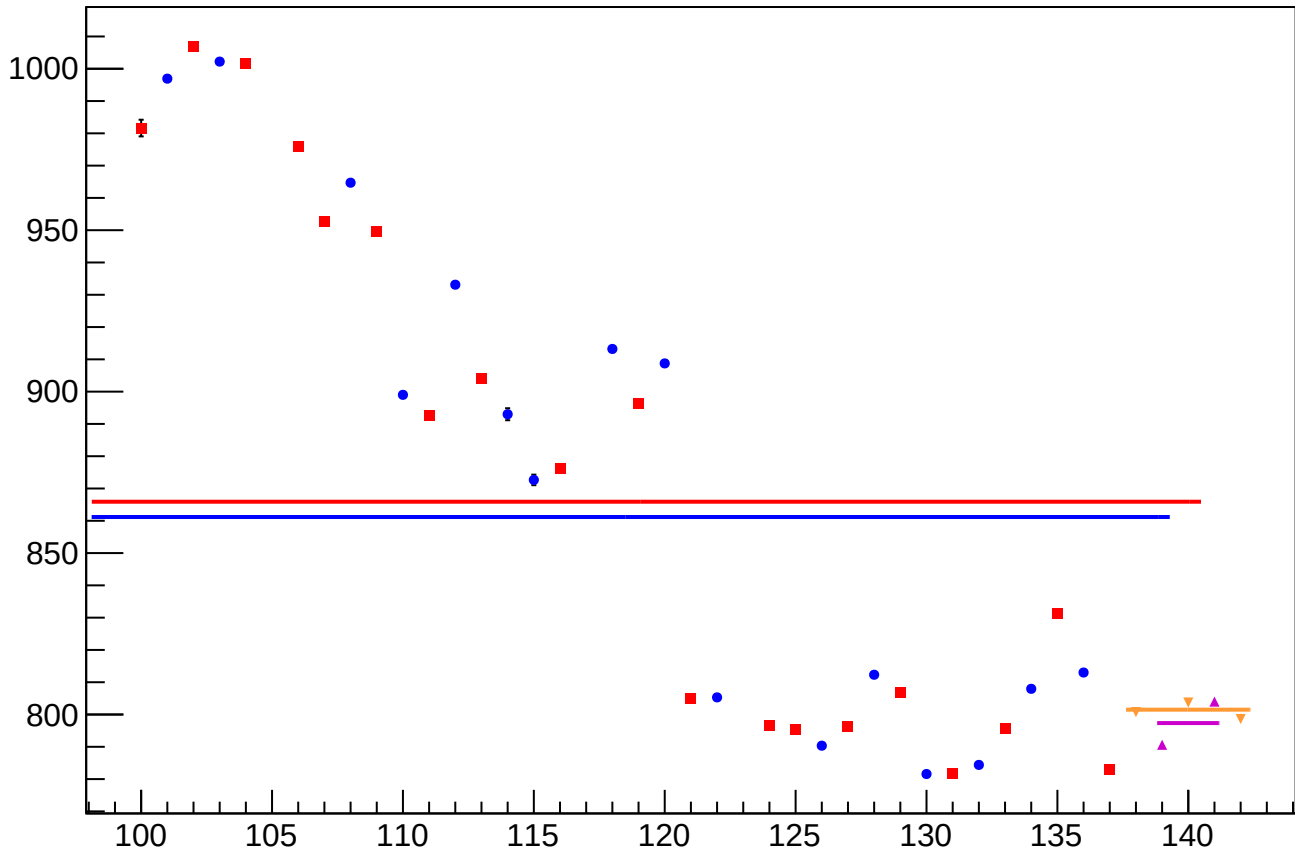
Left In: 0.474 ± 0.606 χ^2/NDF : 0.1/1

+ sign 0.466 ± 0.278 χ^2/NDF : 5900.1/18

All: 9.327 ± 0.198 χ^2/NDF : 13524.1/39

- sign 18.350 ± 0.281 χ^2/NDF : 5578.8/20

diff_bpm2i02Y_rms vs Slug



Right In: 861.169 $\pm$ 0.227 χ^2 /NDF: 113529.7/15

Left Out: 801.497 $\pm$ 0.395 χ^2 /NDF:25.6/2

Right Out: 865.907 $\pm$ 0.224 χ^2 /NDF: 118418.0/18

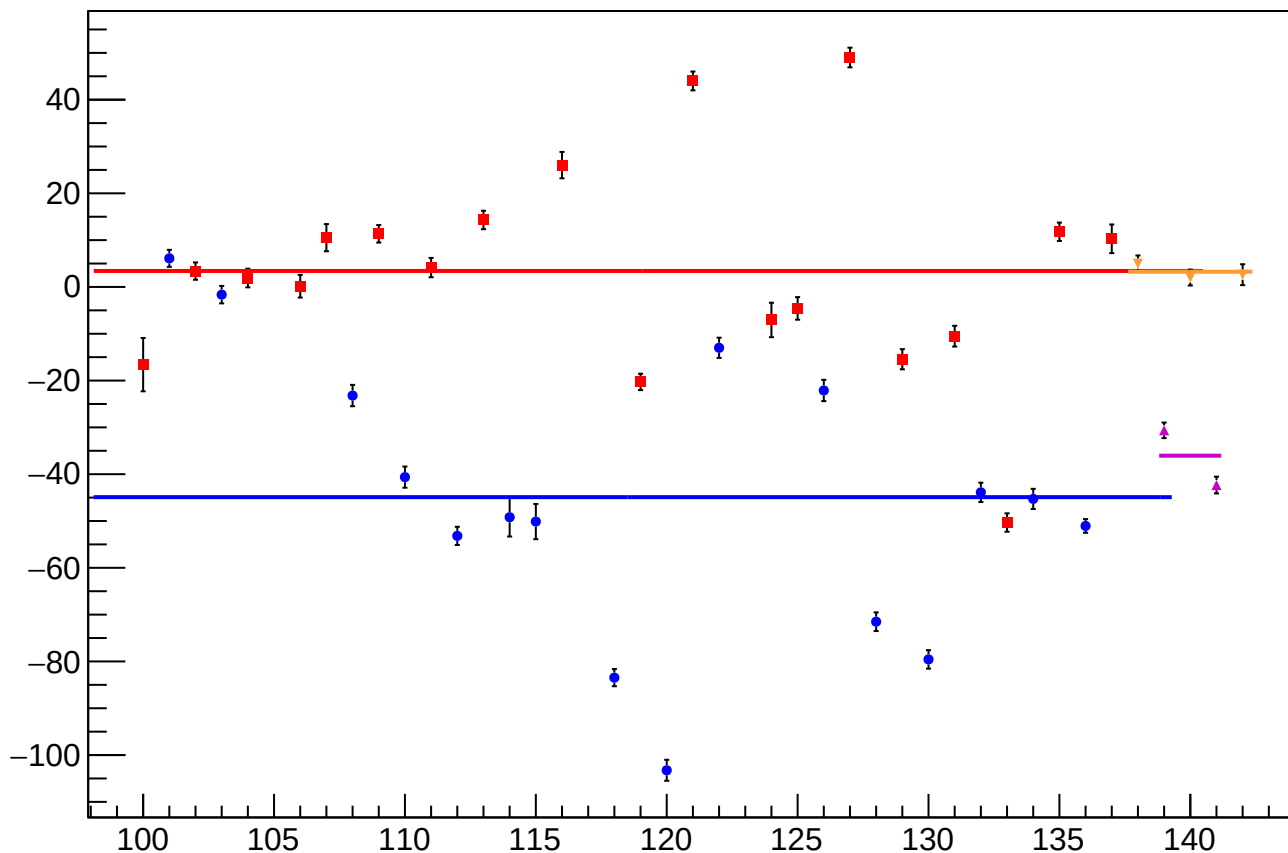
Left In: 797.350 $\pm$ 0.428 χ^2 /NDF:243.6/1

+ sign 846.317 $\pm$ 0.197 χ^2 /NDF: 130737.6/18

All: 848.723 $\pm$ 0.140 χ^2 /NDF: 269801.6/39

- sign 851.174 $\pm$ 0.199 χ^2 /NDF: 138762.4/20

diff_bpm0i02X_mean vs Slug



Right In: -44.905 ± 0.520 χ^2/NDF : 3377.6/15

Left Out: 3.256 ± 1.071 χ^2/NDF : 1.6/2

Right Out: 3.416 ± 0.509 χ^2/NDF : 2102.1/18

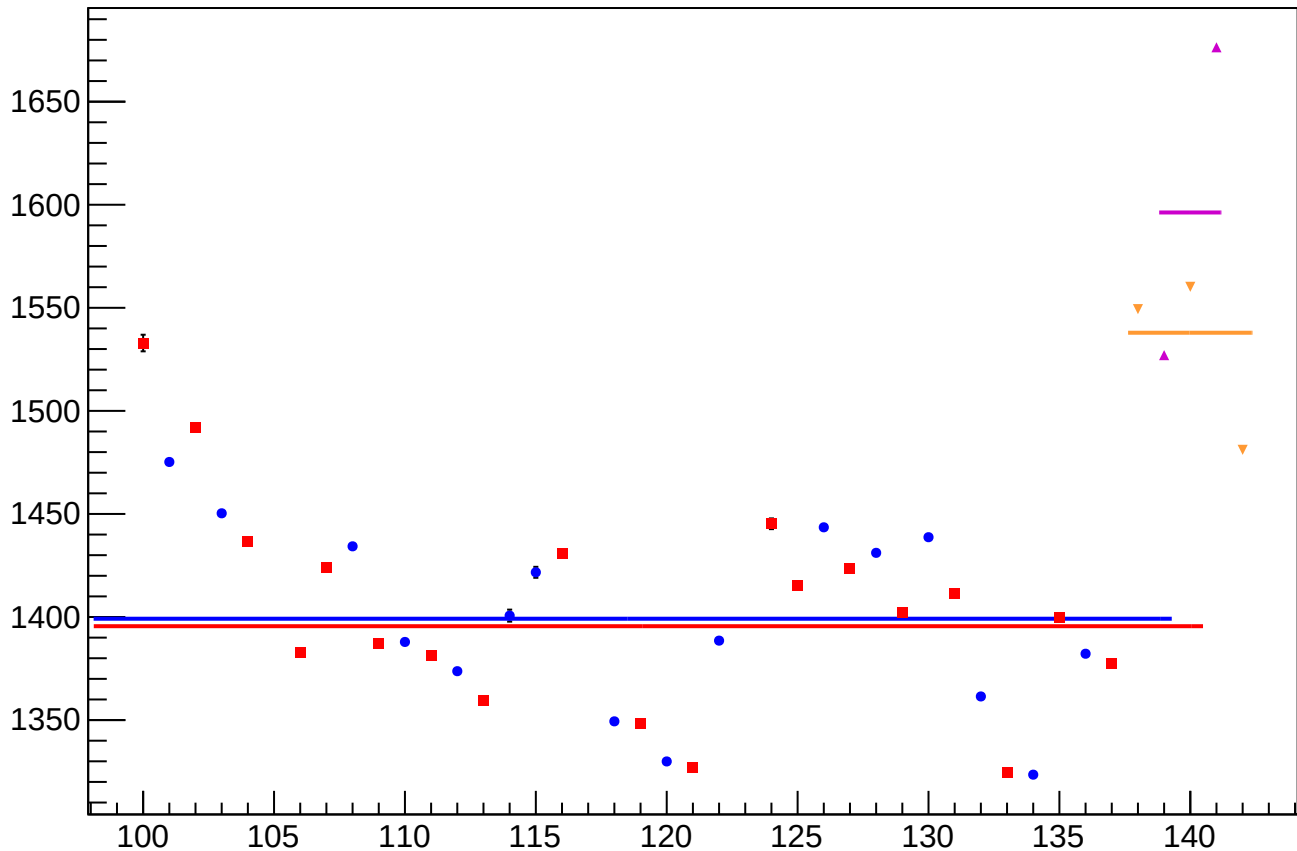
Left In: -36.047 ± 1.216 χ^2/NDF : 23.0/1

+ sign -35.727 ± 0.468 χ^2/NDF : 5014.6/18

All: -19.165 ± 0.331 χ^2/NDF : 10552.9/39

- sign -2.467 ± 0.470 χ^2/NDF : 3020.6/20

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2 /NDF: 14844.1/15

Left Out: 1537.909+/-0.758 χ^2 /NDF:1724.9/2

Right Out: 1395.546+/-0.360 χ^2 /NDF: 16240.9/18

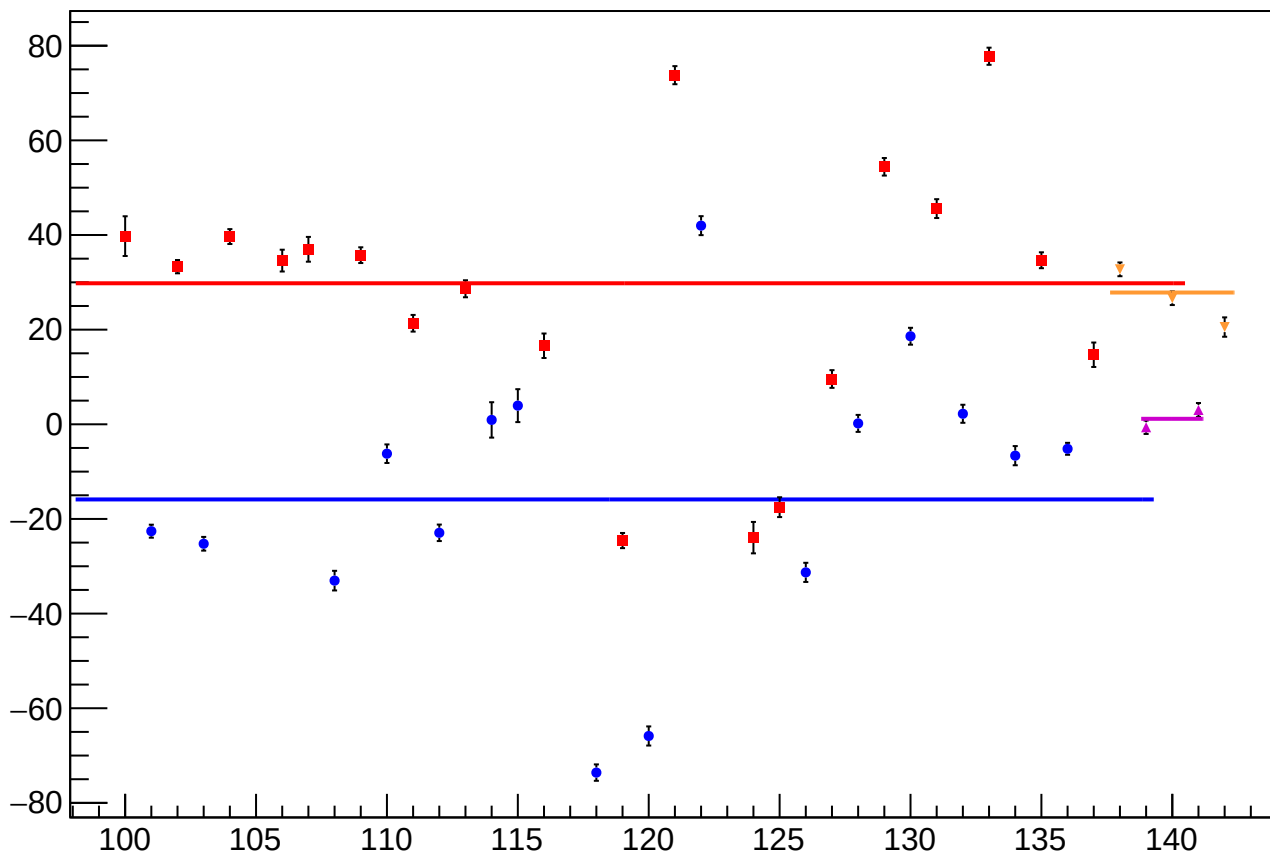
Left In: 1596.249+/-0.860 χ^2 /NDF:7496.2/1

+ sign 1425.612+/-0.331 χ^2 /NDF: 43711.6/18

All: 1425.539+/-0.234 χ^2 /NDF: 113777.1/39

- sign 1425.466+/-0.332 χ^2 /NDF: 70065.4/20

diff_bpm0i02Y_mean vs Slug



Right In: -15.878 ± 0.455 χ^2/NDF : 3477.8/15

Left Out: 27.846 ± 0.917 χ^2/NDF : 24.8/2

Right Out: 29.801 ± 0.444 χ^2/NDF : 3681.2/18

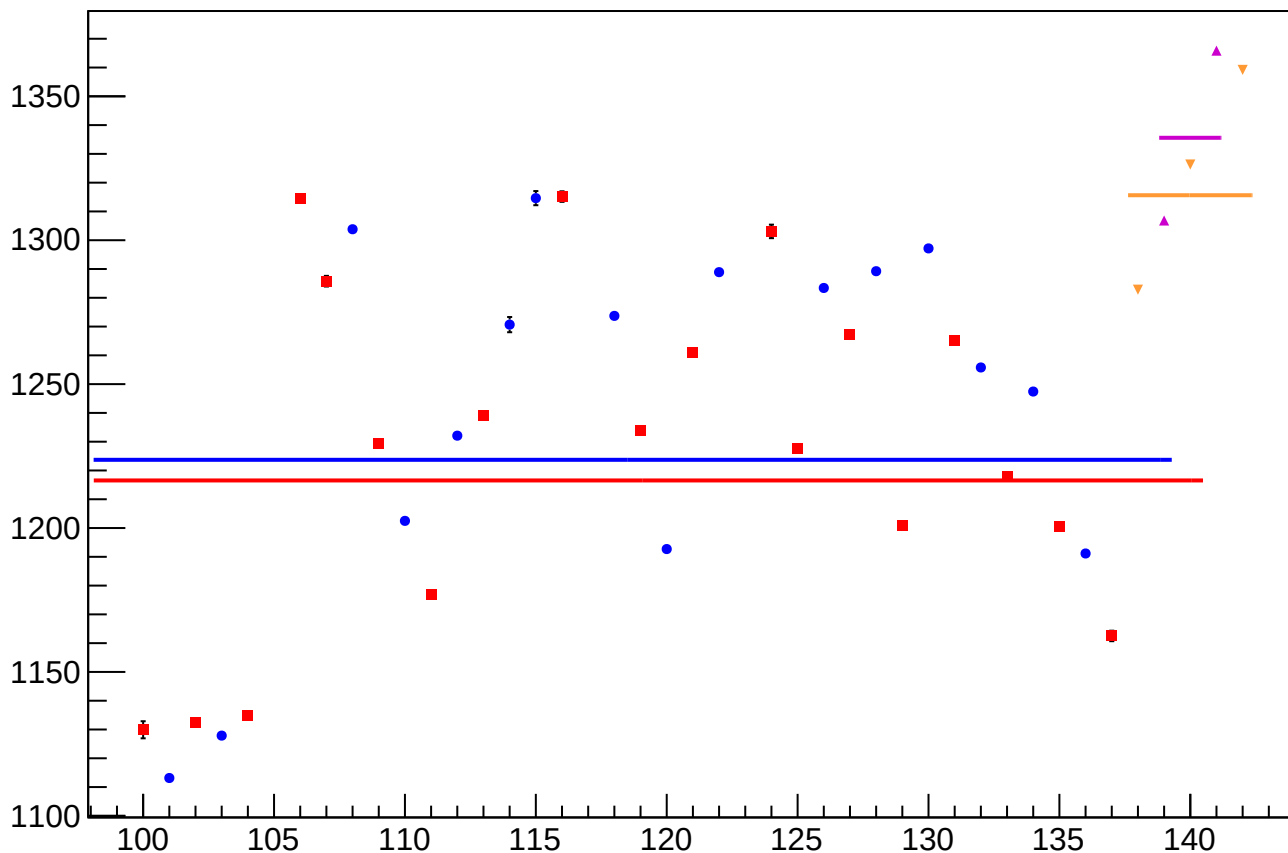
Left In: 1.159 ± 1.018 χ^2/NDF : 3.2/1

+ sign -7.226 ± 0.408 χ^2/NDF : 5327.9/18

All: 9.013 ± 0.288 χ^2/NDF : 12846.7/39

- sign 25.214 ± 0.407 χ^2/NDF : 4349.8/20

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702 $\pm$ 0.322 χ^2 /NDF: 40883.8/15

Left Out: 1315.630 $\pm$ 0.648 χ^2 /NDF:2031.9/2

Right Out: 1216.533 $\pm$ 0.314 χ^2 /NDF: 29381.0/18

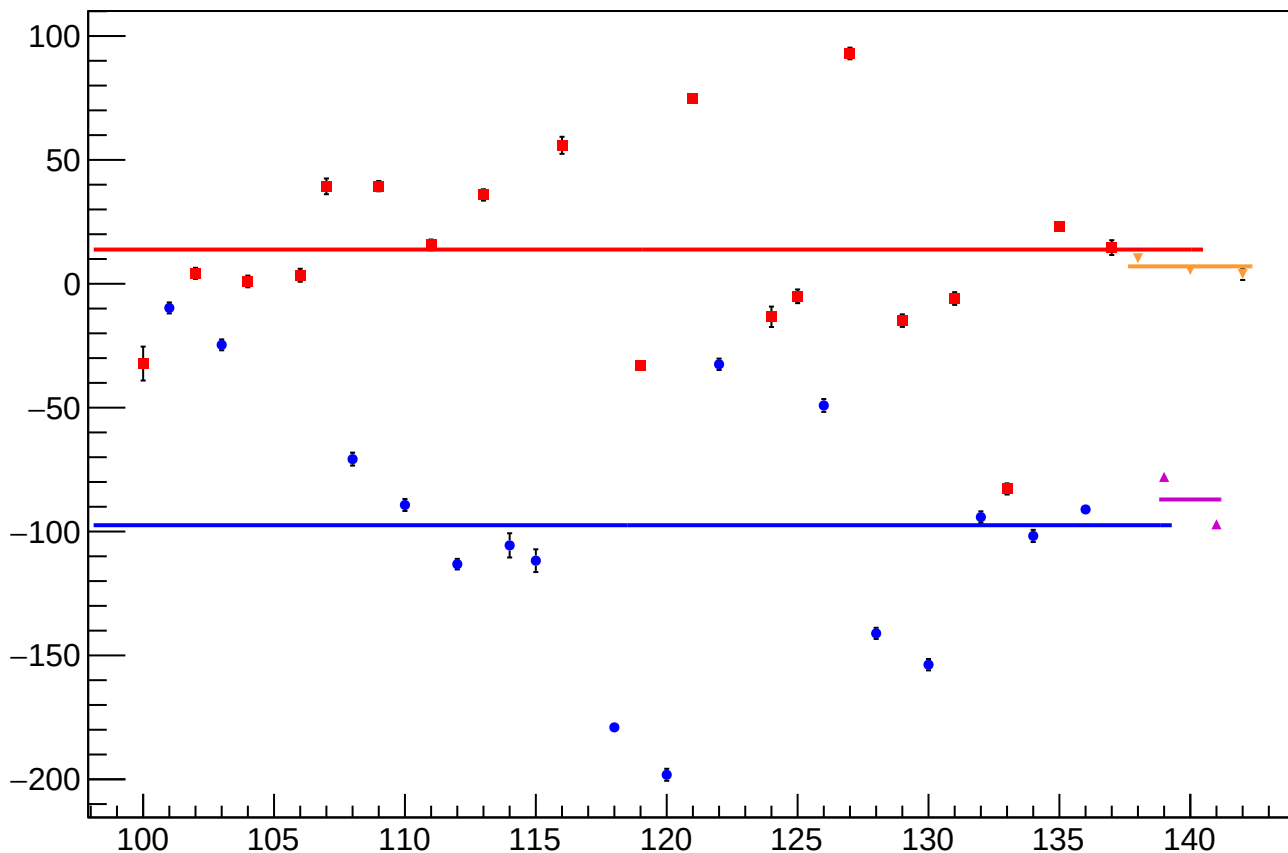
Left In: 1335.590 $\pm$ 0.720 χ^2 /NDF:1680.5/1

+ sign 1241.893 $\pm$ 0.288 χ^2 /NDF: 59053.5/18

All: 1238.742 $\pm$ 0.204 χ^2 /NDF: 113345.5/39

- sign 1235.599 $\pm$ 0.288 χ^2 /NDF: 54053.4/20

diff_bpm0i02aX_mean vs Slug



Right In: -97.455 ± 0.579 $\chi^2/\text{NDF}: 8300.2/15$

Left Out: 7.033 ± 1.129 $\chi^2/\text{NDF}: 5.4/2$

Right Out: 13.816 ± 0.566 $\chi^2/\text{NDF}: 5352.2/18$

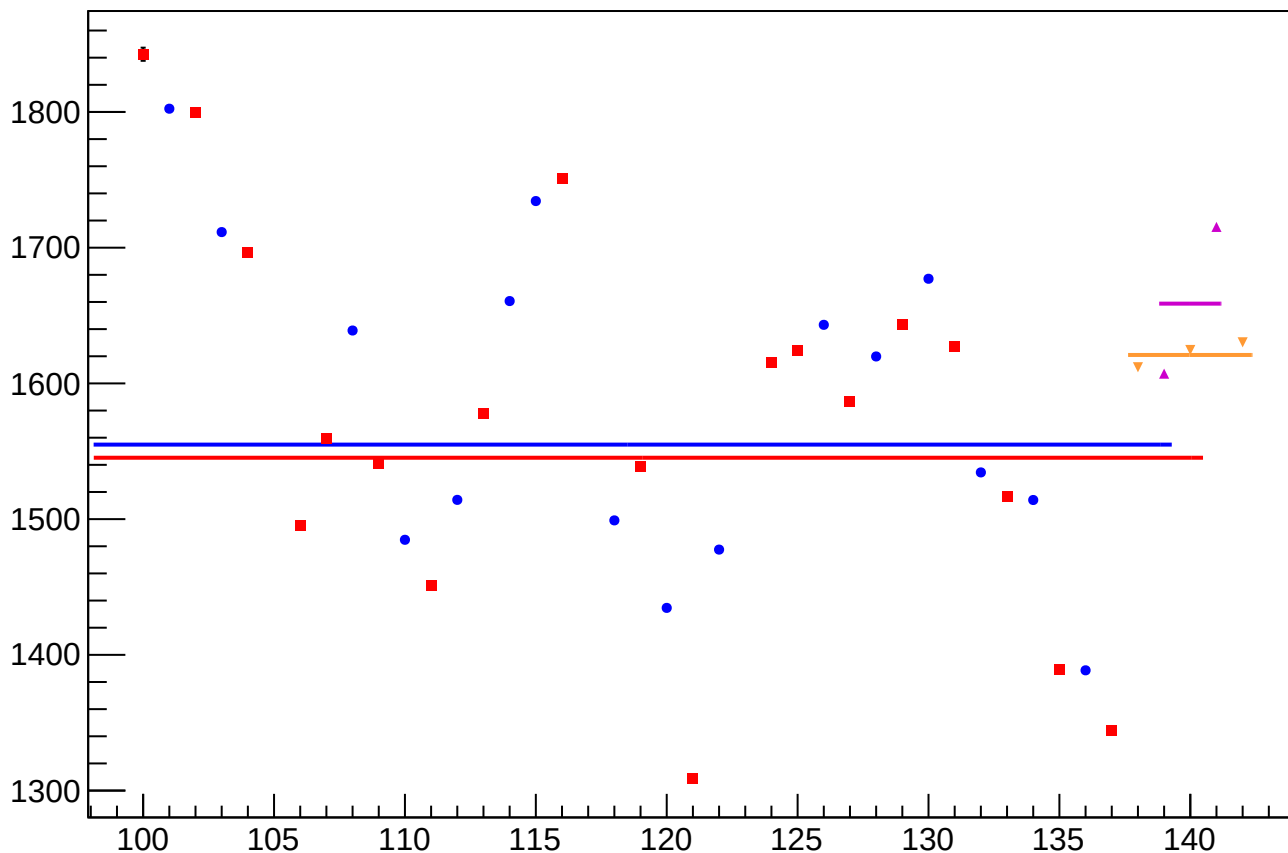
Left In: -87.064 ± 1.263 $\chi^2/\text{NDF}: 57.1/1$

+ sign -75.665 ± 0.515 $\chi^2/\text{NDF}: 15087.4/18$

All: -39.404 ± 0.365 $\chi^2/\text{NDF}: 35719.8/39$

- sign -3.029 ± 0.516 $\chi^2/\text{NDF}: 10720.0/20$

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908 $\pm$ 0.410 χ^2 /NDF: 87920.1/15

Left Out: 1620.960 $\pm$ 0.798 χ^2 /NDF: 86.6/2

Right Out: 1545.239 $\pm$ 0.400 χ^2 /NDF: 108789.4/18

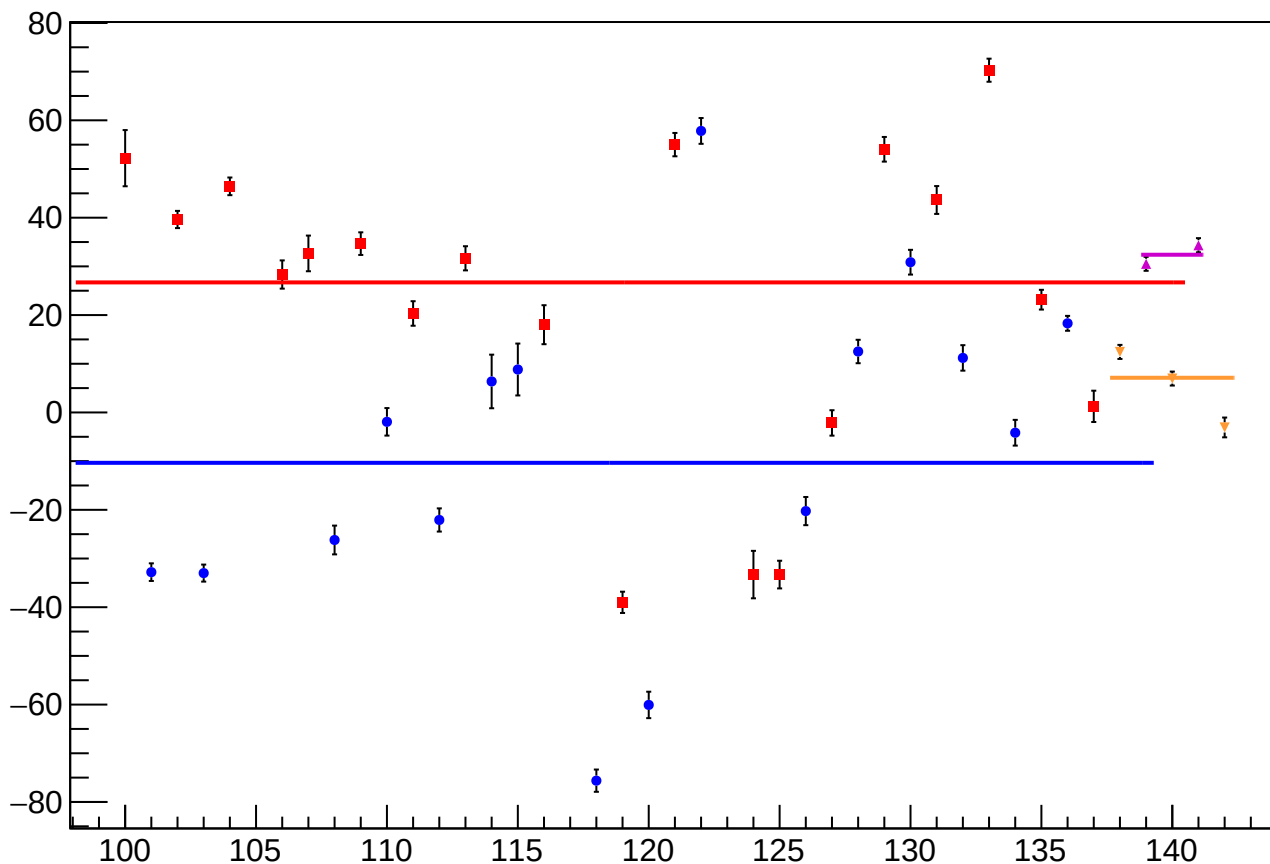
Left In: 1658.772 $\pm$ 0.893 χ^2 /NDF: 3654.2/1

+ sign 1568.683 $\pm$ 0.364 χ^2 /NDF: 93426.7/18

All: 1566.443 $\pm$ 0.258 χ^2 /NDF: 219398.9/39

- sign 1564.197 $\pm$ 0.365 χ^2 /NDF: 125896.5/20

diff_bpm0i02aY_mean vs Slug



Right In: -10.345 ± 0.603 χ^2/NDF : 3007.0/15

Left Out: 7.123 ± 0.909 χ^2/NDF : 38.7/2

Right Out: 26.709 ± 0.586 χ^2/NDF : 2540.7/18

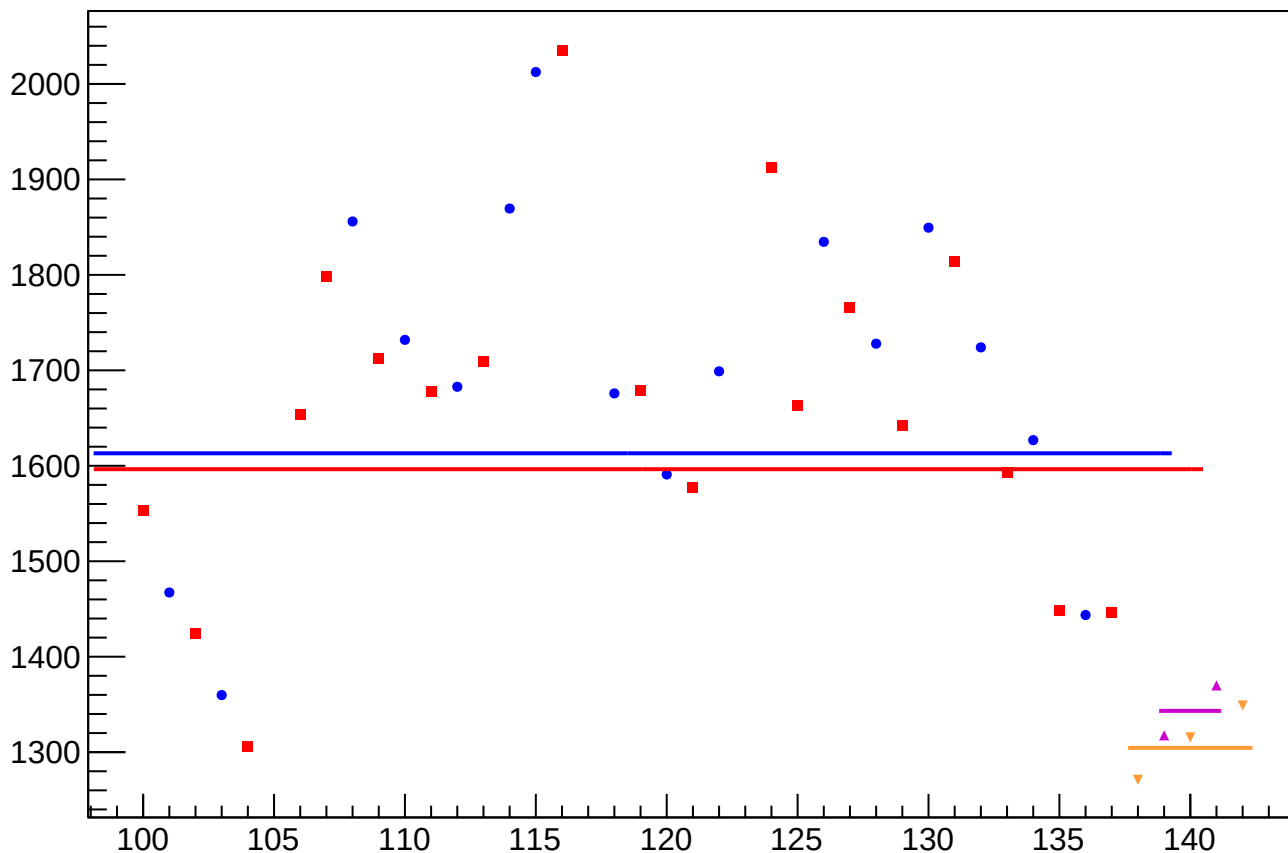
Left In: 32.391 ± 1.023 χ^2/NDF : 3.5/1

+ sign -5.009 ± 0.503 χ^2/NDF : 3301.9/18

All: 11.354 ± 0.358 χ^2/NDF : 8014.5/39

- sign 28.114 ± 0.509 χ^2/NDF : 2567.4/20

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094 $\pm$ 0.426 χ^2 /NDF: 154710.6/15

Left Out: 1304.507 $\pm$ 0.643 χ^2 /NDF: 2145.3/2

Right Out: 1596.442 $\pm$ 0.415 χ^2 /NDF: 160714.8/18

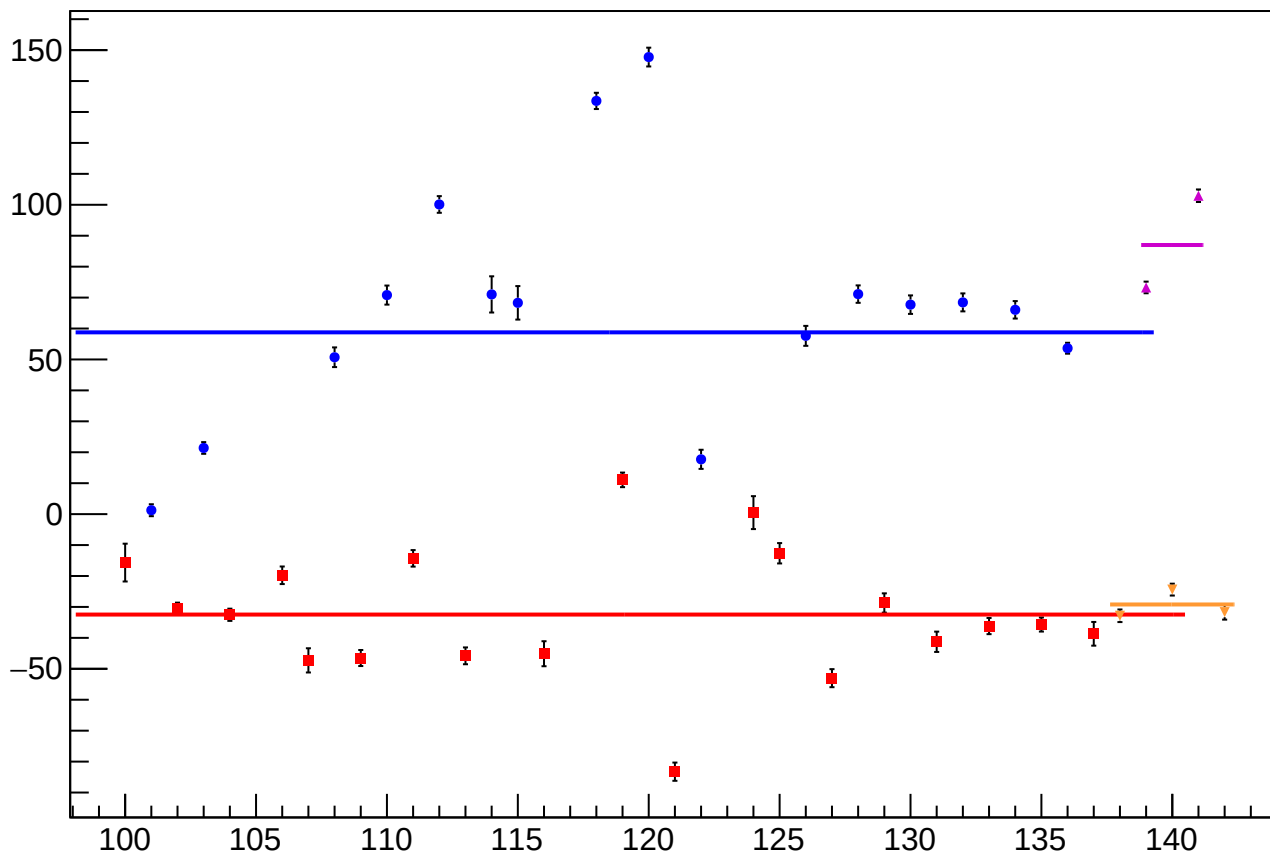
Left In: 1343.237 $\pm$ 0.723 χ^2 /NDF: 1306.3/1

+ sign 1518.837 $\pm$ 0.355 χ^2 /NDF: 316771.9/18

All: 1526.243 $\pm$ 0.253 χ^2 /NDF: 571893.7/39

- sign 1533.830 $\pm$ 0.360 χ^2 /NDF: 254242.8/20

diff_bpm0i05X_mean vs Slug



Right In: 58.761 $\pm$ 0.672 χ^2 /NDF: 3443.3/15

Left Out: -29.207 $\pm$ 1.209 χ^2 /NDF:10.5/2

Right Out: -32.467 $\pm$ 0.648 χ^2 /NDF: 930.8/18

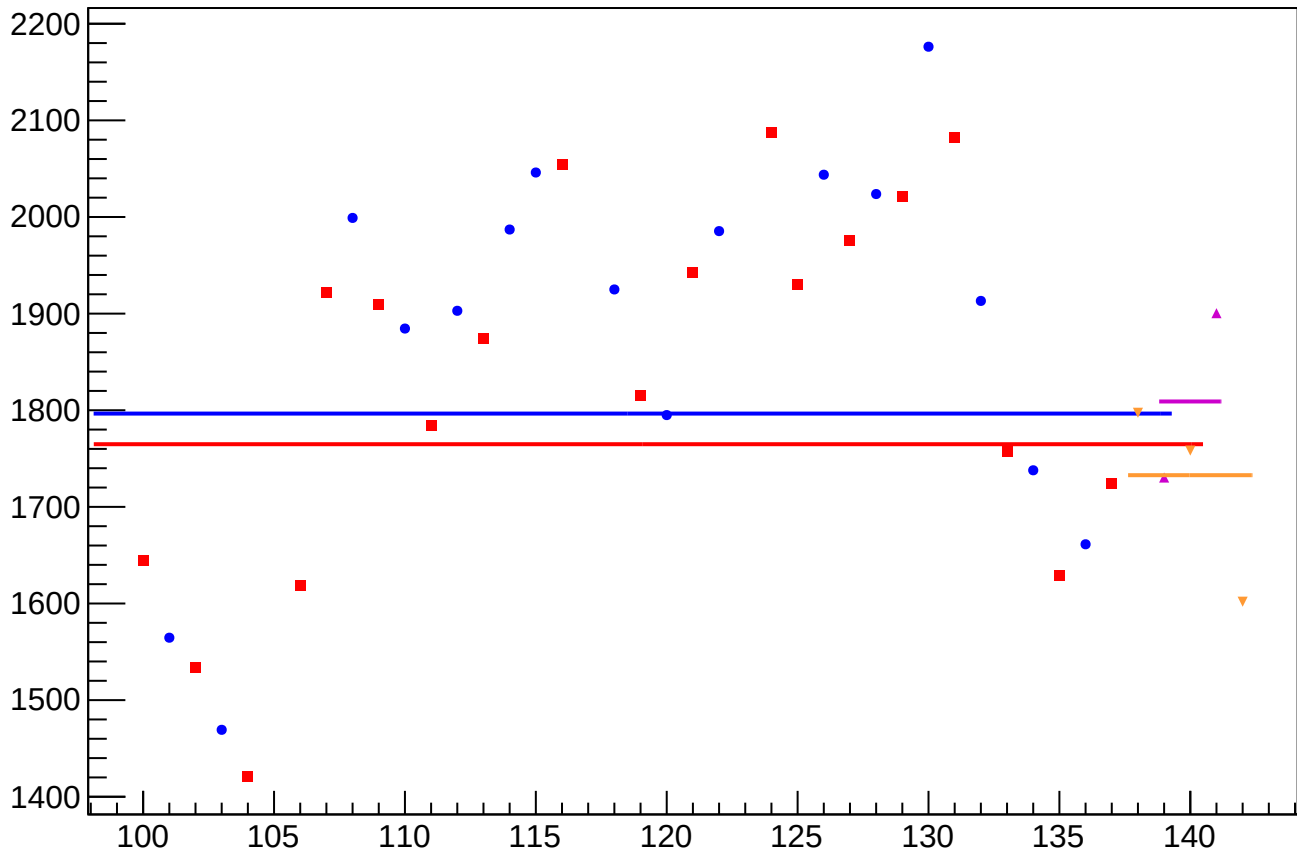
Left In: 86.999 $\pm$ 1.381 χ^2 /NDF:114.6/1

+ sign 37.977 $\pm$ 0.588 χ^2 /NDF: 7497.1/18

All: 13.517 $\pm$ 0.415 χ^2 /NDF: 18135.5/39

- sign -10.883 $\pm$ 0.587 χ^2 /NDF: 7177.8/20

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF : 193171.9/15

Left Out: 1732.798+/-0.855 χ^2/NDF : 8248.3/2

Right Out: 1764.860+/-0.459 χ^2/NDF : 189987.9/18

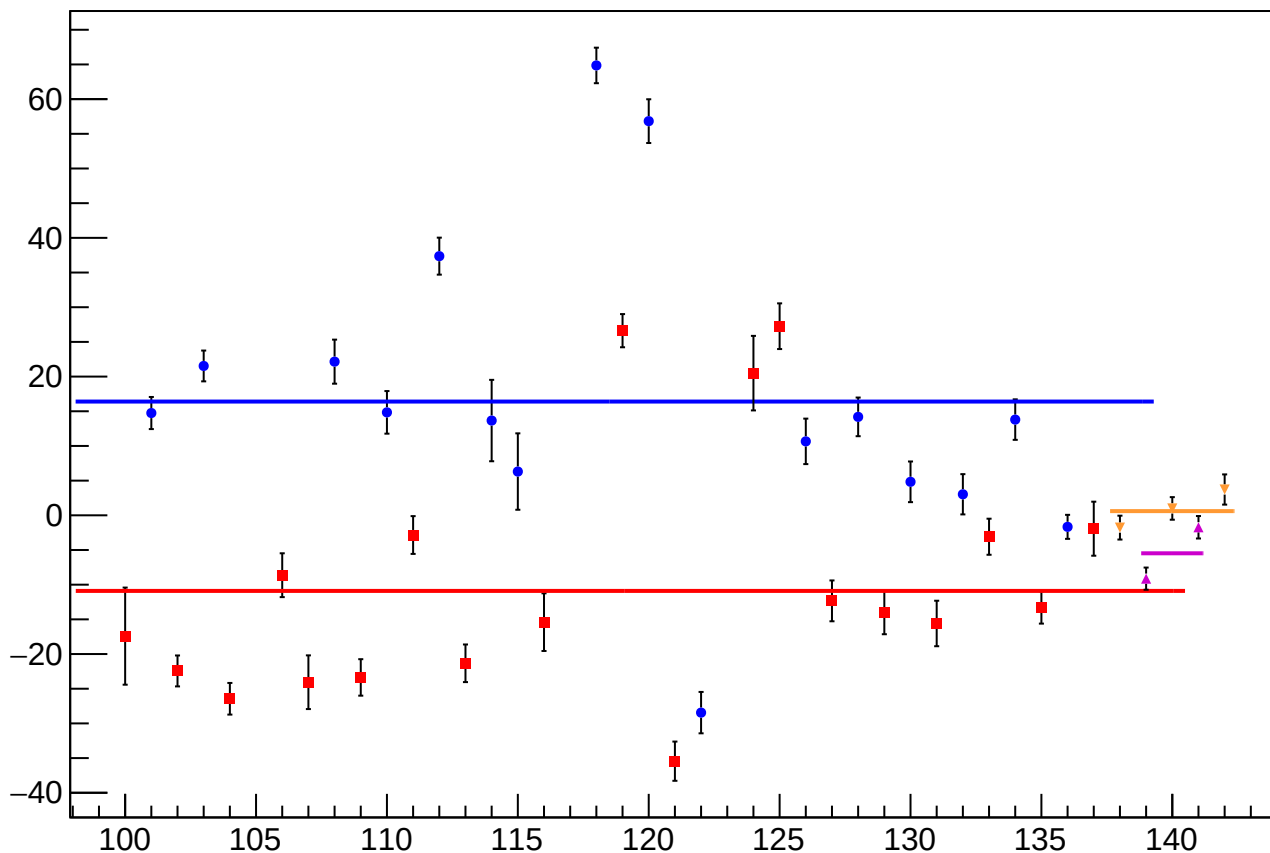
Left In: 1809.076+/-0.976 χ^2/NDF : 7543.9/1

+ sign 1781.491+/-0.416 χ^2/NDF : 205667.9/18

All: 1777.165+/-0.294 χ^2/NDF : 405096.3/39

- sign 1772.849+/-0.415 χ^2/NDF : 199211.9/20

diff_bpm0i05Y_mean vs Slug



Right In: 16.400 ± 0.695 $\chi^2/\text{NDF}: 973.0/15$

Left Out: 0.604 ± 1.039 $\chi^2/\text{NDF}: 4.0/2$

Right Out: -10.899 ± 0.676 $\chi^2/\text{NDF}: 641.7/18$

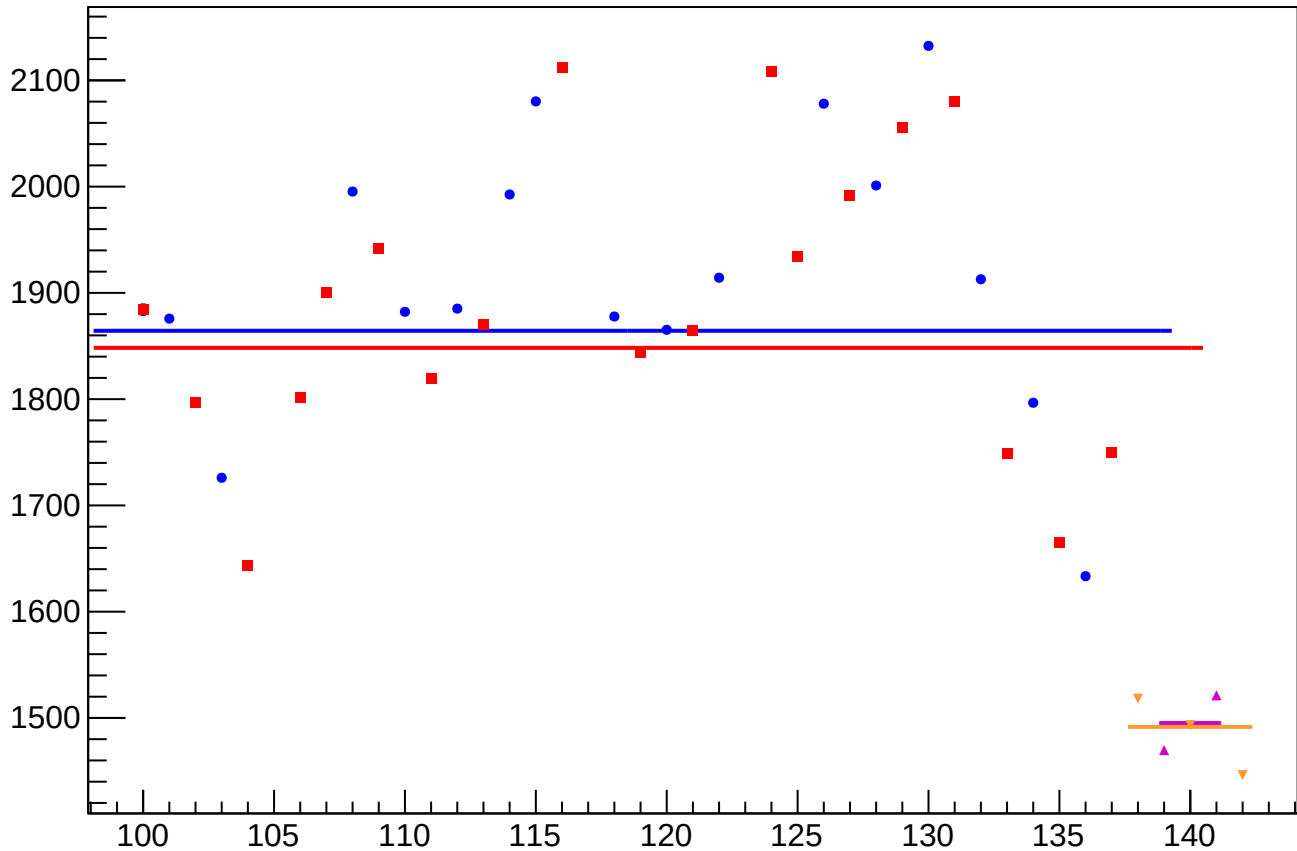
Left In: -5.476 ± 1.137 $\chi^2/\text{NDF}: 10.6/1$

+ sign 11.518 ± 0.578 $\chi^2/\text{NDF}: 1136.6/18$

All: 1.083 ± 0.410 $\chi^2/\text{NDF}: 2462.4/39$

- sign -9.483 ± 0.581 $\chi^2/\text{NDF}: 669.1/20$

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335 $\pm$ 0.491 χ^2 /NDF: 83311.5/15

Left Out: 1491.572 $\pm$ 0.735 χ^2 /NDF:1346.5/2

Right Out: 1848.284 $\pm$ 0.478 χ^2 /NDF: 74956.9/18

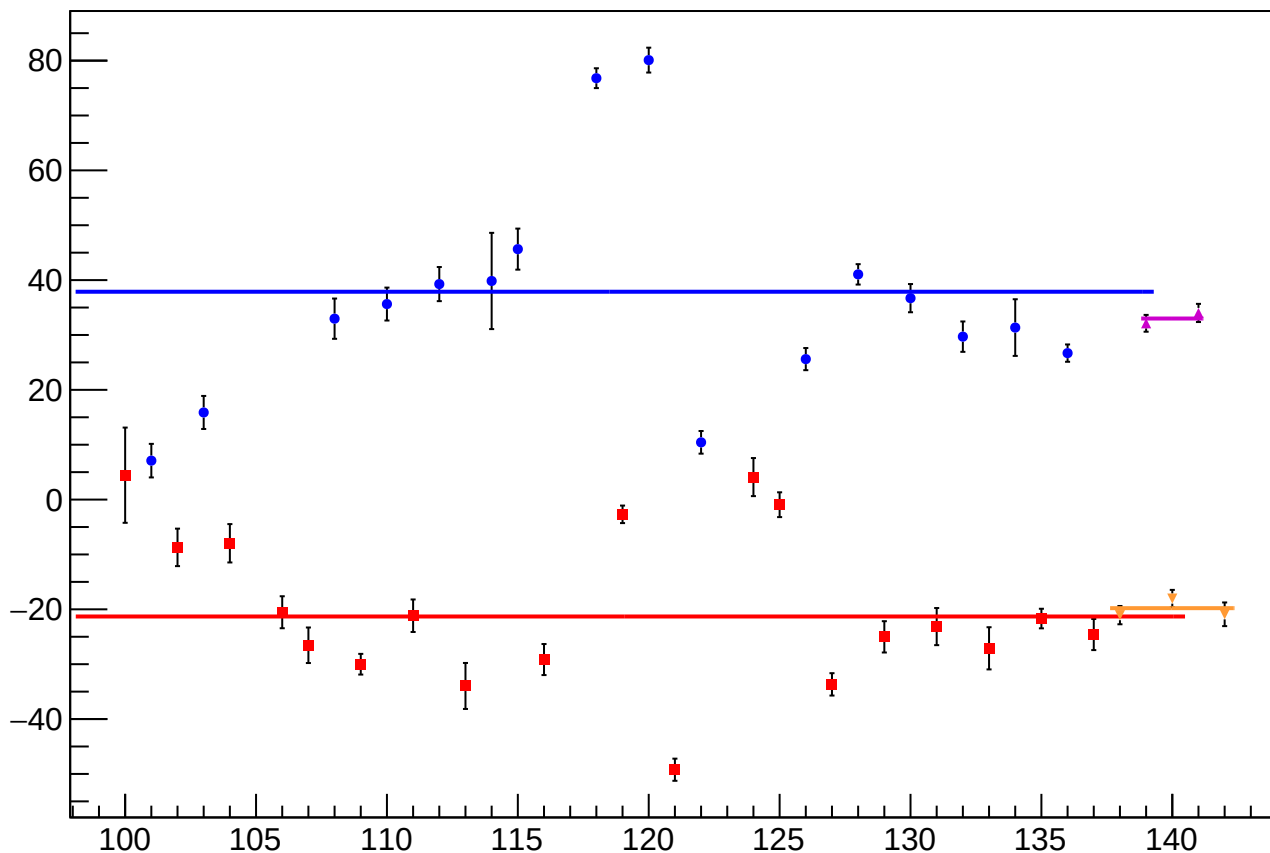
Left In: 1495.194 $\pm$ 0.804 χ^2 /NDF:1028.0/1

+ sign 1749.126 $\pm$ 0.408 χ^2 /NDF: 262492.1/18

All: 1752.569 $\pm$ 0.290 χ^2 /NDF: 481037.3/39

- sign 1756.055 $\pm$ 0.411 χ^2 /NDF: 218402.2/20

diff_bpm0i07X_mean vs Slug



Right In: 37.880 ± 0.622 χ^2/NDF : 1249.8/15

Left Out: -19.789 ± 1.013 χ^2/NDF : 2.1/2

Right Out: -21.306 ± 0.593 χ^2/NDF : 582.6/18

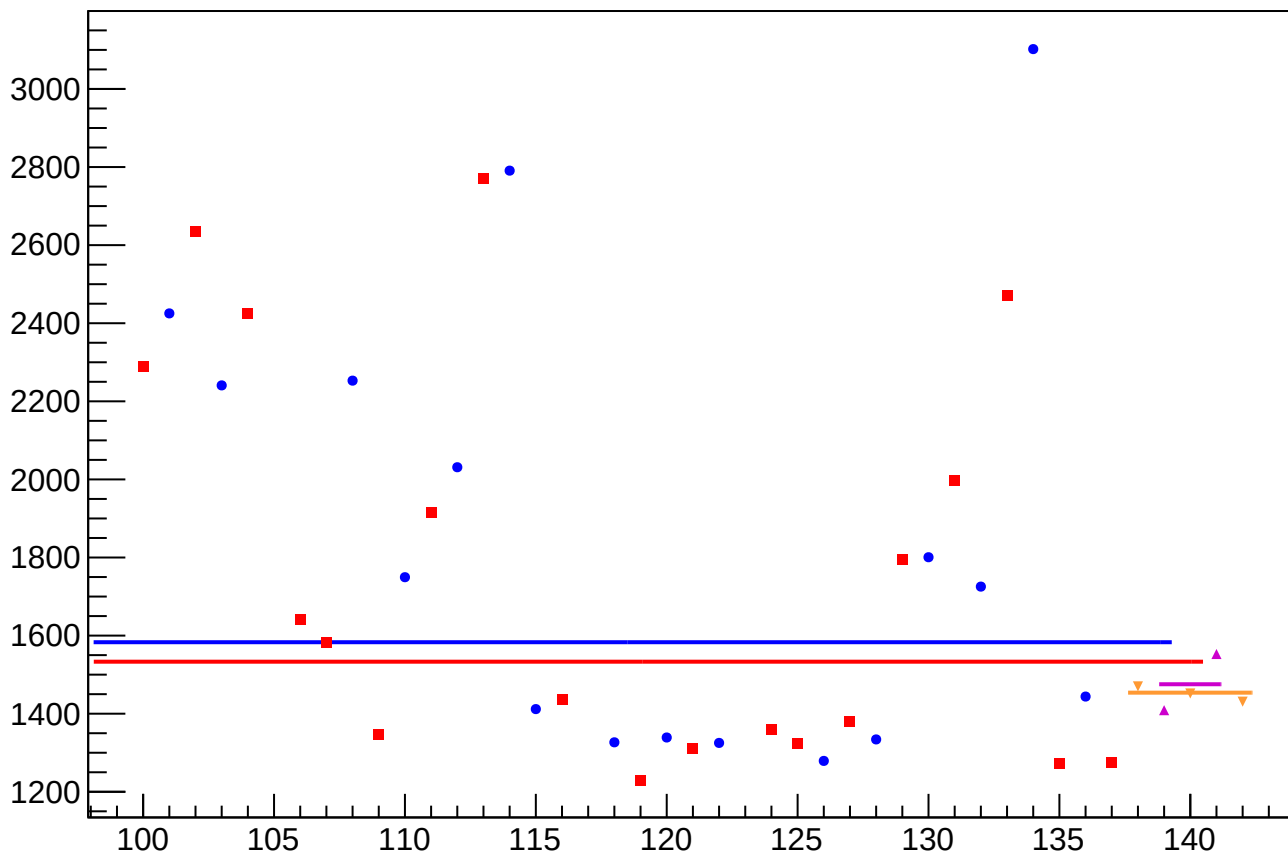
Left In: 32.999 ± 1.125 χ^2/NDF : 0.7/1

+ sign 22.080 ± 0.530 χ^2/NDF : 3604.3/18

All: 6.117 ± 0.373 χ^2/NDF : 7803.7/39

- sign -9.501 ± 0.525 χ^2/NDF : 2406.8/20

diff_bpm0i07X_rms vs Slug



Right In: 1583.050 $\pm$ 0.440 χ^2 /NDF: 787672.4/15

Left Out: 1453.874 $\pm$ 0.716 χ^2 /NDF:418.1/2

Right Out: 1533.190 $\pm$ 0.419 χ^2 /NDF: 950777.4/18

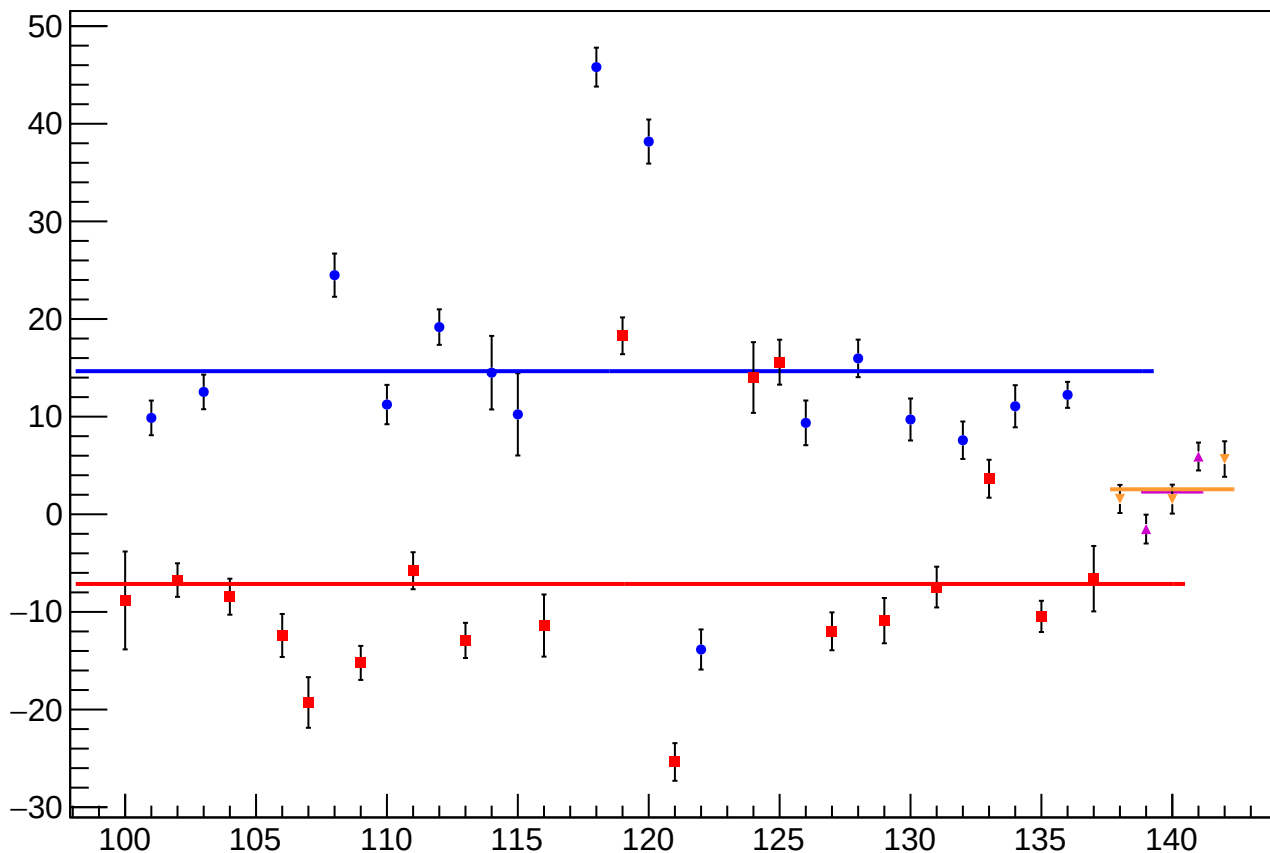
Left In: 1475.427 $\pm$ 0.796 χ^2 /NDF:8129.2/1

+ sign 1547.658 $\pm$ 0.375 χ^2 /NDF: 811696.3/18

All: 1533.998 $\pm$ 0.264 χ^2 /NDF: 1777354.4/39

- sign 1520.633 $\pm$ 0.371 χ^2 /NDF: 963032.6/20

diff_bpm0i07Y_mean vs Slug



Right In: 14.658 $\pm$ 0.504 χ^2 /NDF: 614.8/15

Left Out: 2.561 $\pm$ 0.898 χ^2 /NDF: 3.8/2

Right Out: -7.135 $\pm$ 0.483 χ^2 /NDF: 509.4/18

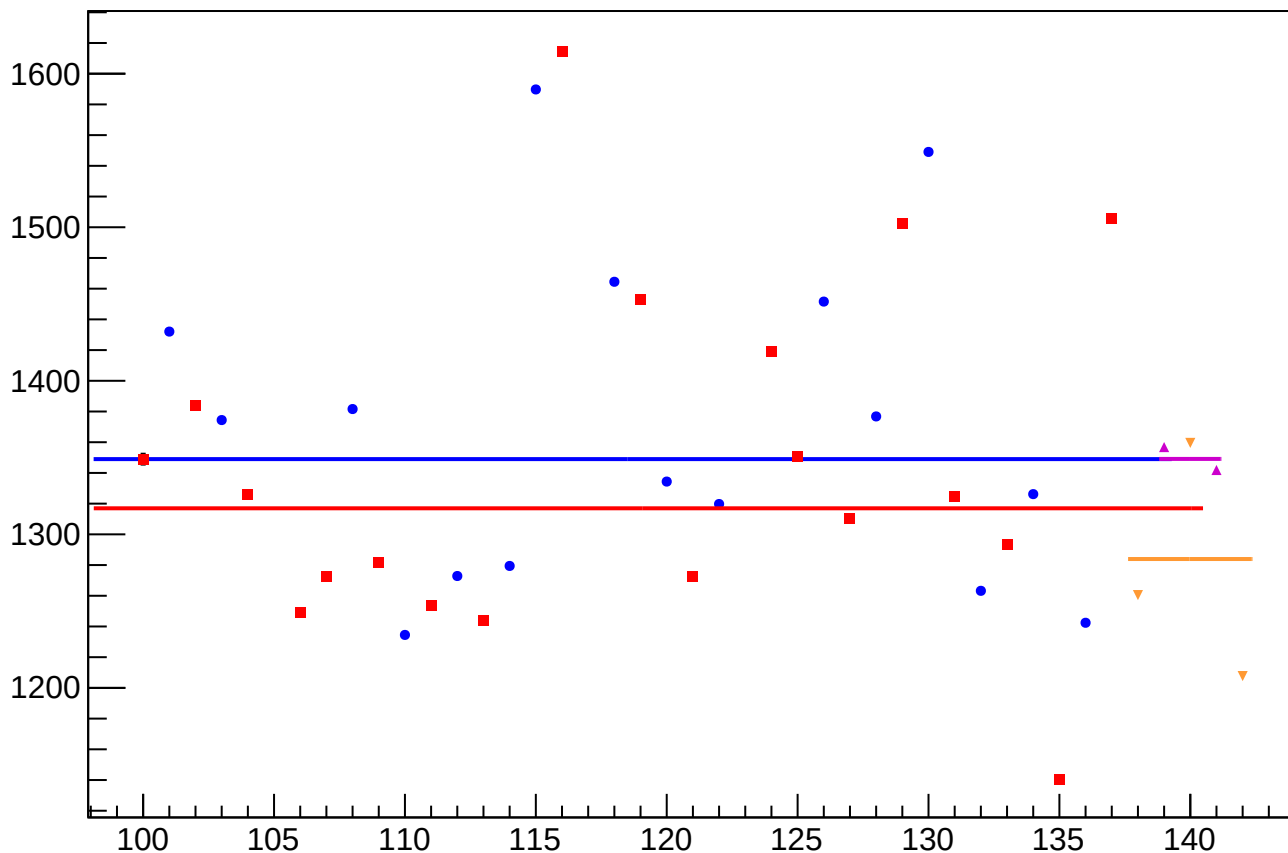
Left In: 2.326 $\pm$ 1.026 χ^2 /NDF: 13.1/1

+ sign 11.756 $\pm$ 0.440 χ^2 /NDF: 756.5/18

All: 3.116 $\pm$ 0.310 χ^2 /NDF: 2115.6/39

- sign -5.418 $\pm$ 0.437 χ^2 /NDF: 592.1/20

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000 $\pm$ 0.357 χ^2 /NDF: 68383.7/15

Left Out: 1283.931 $\pm$ 0.635 χ^2 /NDF: 9244.8/2

Right Out: 1316.961 $\pm$ 0.342 χ^2 /NDF: 86873.7/18

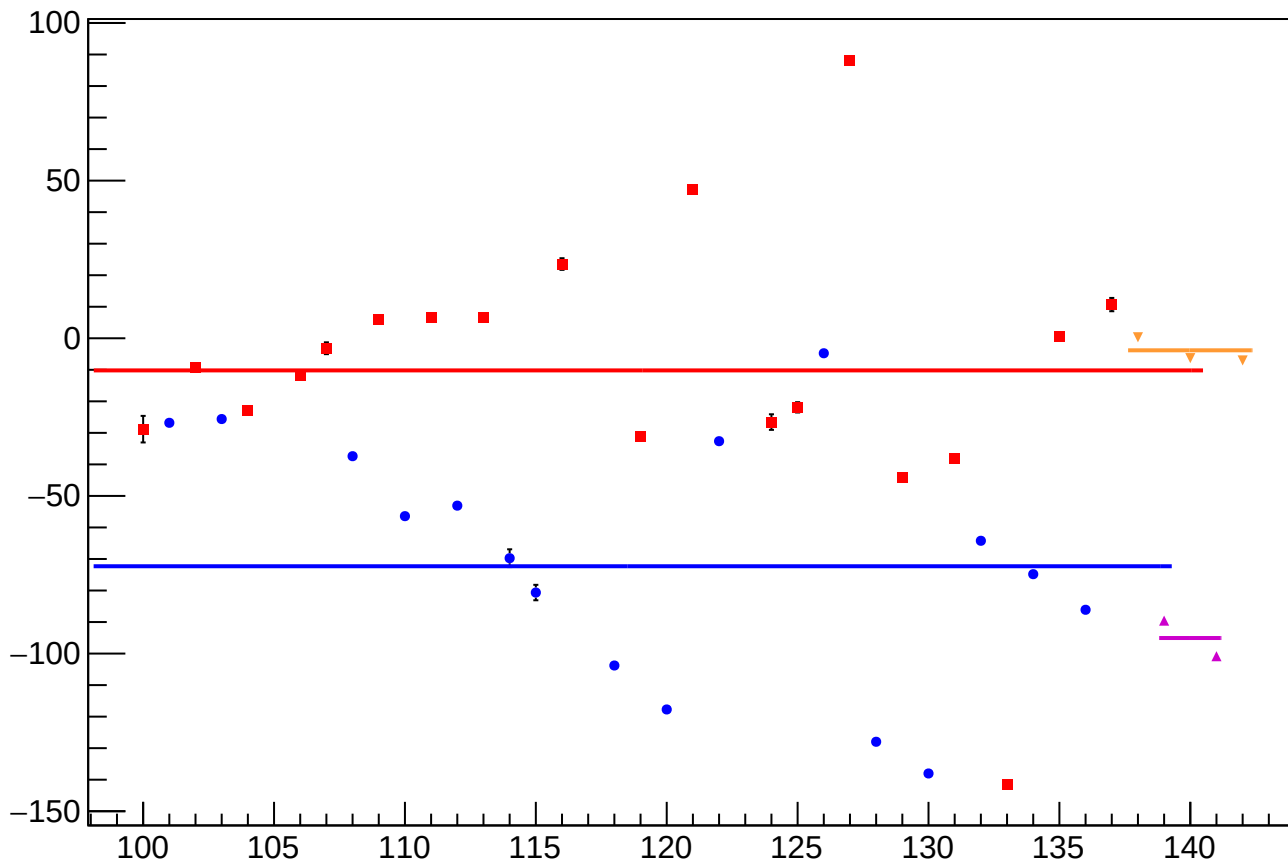
Left In: 1349.121 $\pm$ 0.726 χ^2 /NDF: 105.7/1

+ sign 1333.392 $\pm$ 0.311 χ^2 /NDF: 85609.1/18

All: 1328.062 $\pm$ 0.219 χ^2 /NDF: 174780.1/39

- sign 1322.796 $\pm$ 0.309 χ^2 /NDF: 88587.1/20

diff_bpm1i02X_mean vs Slug



Right In: -72.304 ± 0.349 $\chi^2/\text{NDF}: 12153.8/15$

Left Out: -3.818 ± 0.639 $\chi^2/\text{NDF}: 27.7/2$

Right Out: -10.188 ± 0.345 $\chi^2/\text{NDF}: 19045.9/18$

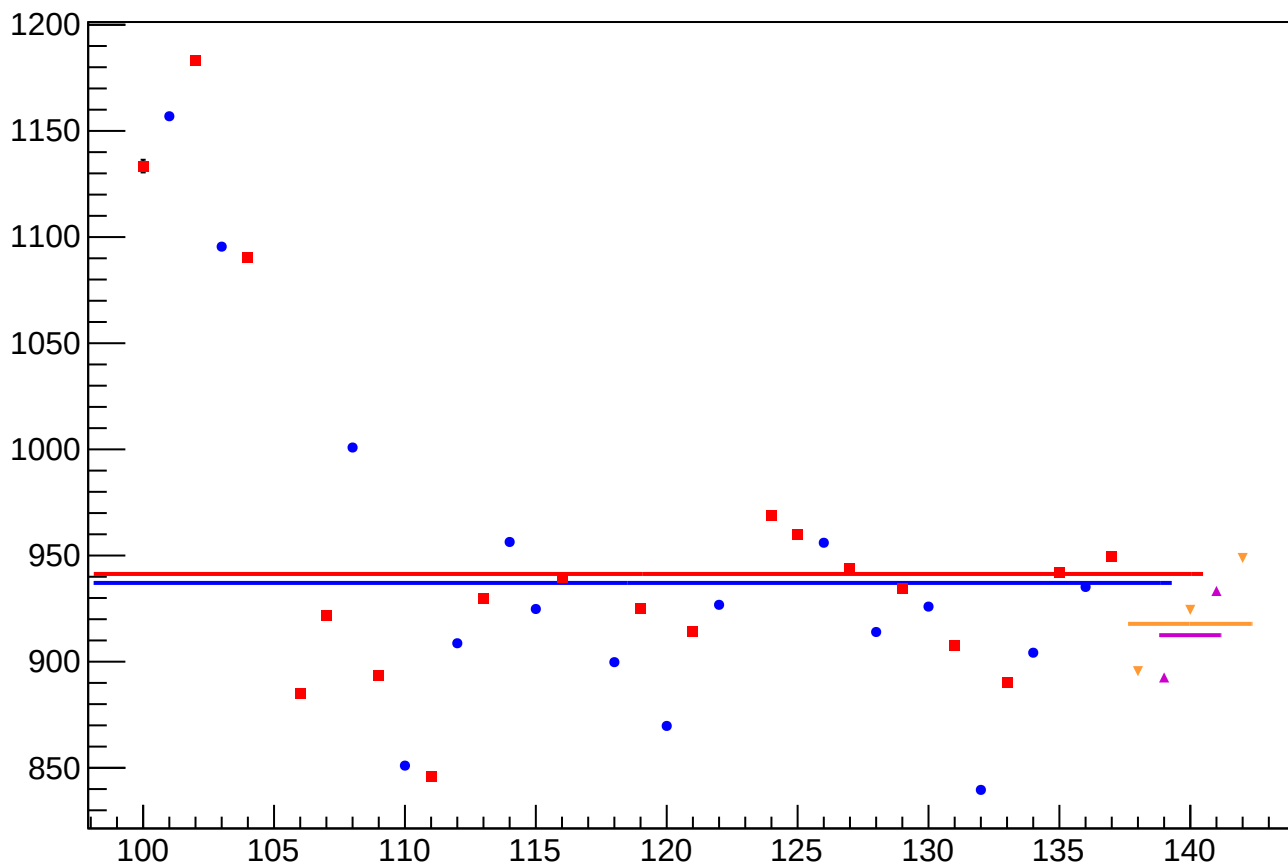
Left In: -95.066 ± 0.694 $\chi^2/\text{NDF}: 66.1/1$

+ sign -56.539 ± 0.307 $\chi^2/\text{NDF}: 21022.7/18$

All: -41.856 ± 0.217 $\chi^2/\text{NDF}: 56759.8/39$

- sign -26.983 ± 0.309 $\chi^2/\text{NDF}: 31120.5/20$

diff_bpm1i02X_rms vs Slug



Right In: 937.097 $\pm$ 0.247 χ^2 /NDF: 104660.4/15

Left Out: 917.823 $\pm$ 0.452 χ^2 /NDF:1996.3/2

Right Out: 941.323 $\pm$ 0.244 χ^2 /NDF: 101031.2/18

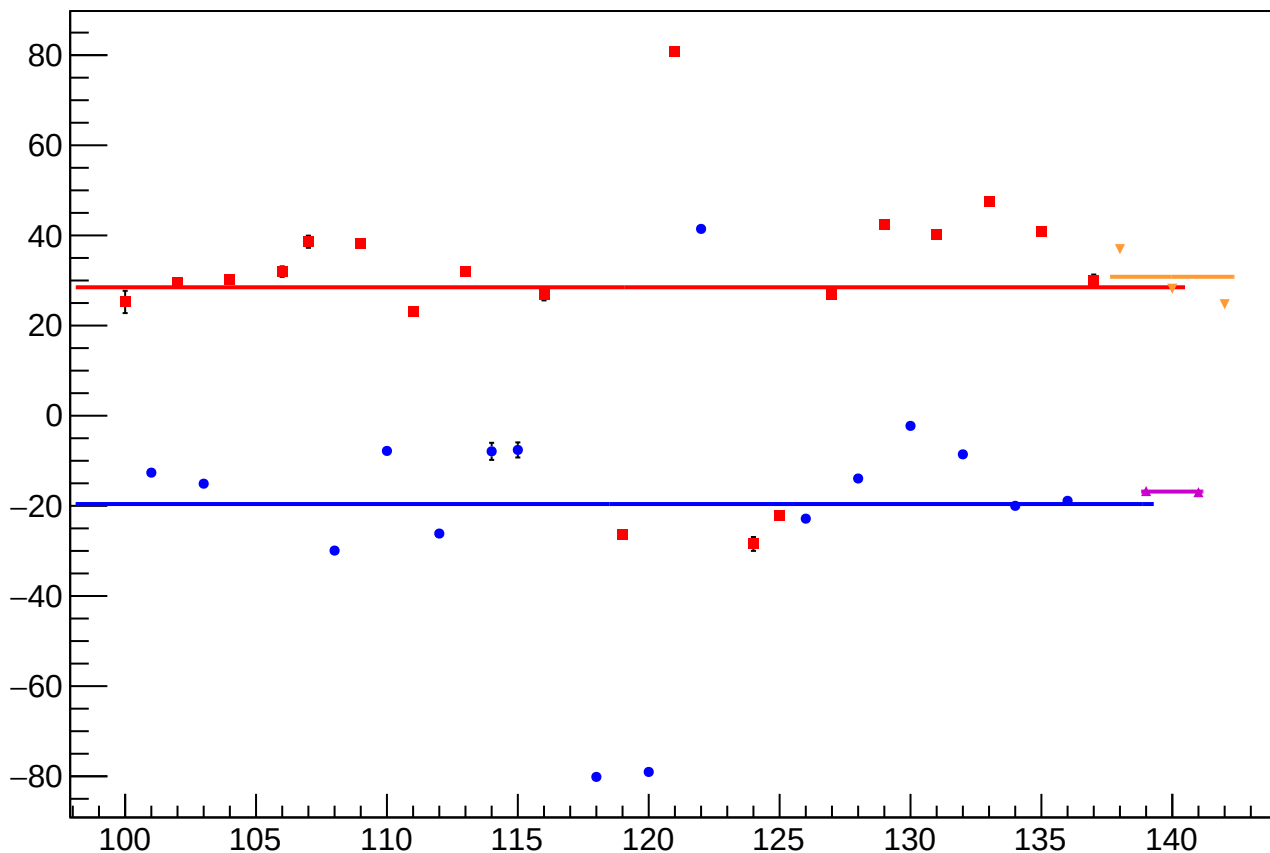
Left In: 912.489 $\pm$ 0.491 χ^2 /NDF:1723.4/1

+ sign 932.660 $\pm$ 0.217 χ^2 /NDF: 108057.3/18

All: 934.130 $\pm$ 0.154 χ^2 /NDF: 213676.1/39

- sign 935.618 $\pm$ 0.218 χ^2 /NDF: 105526.4/20

diff_bpm1i02Y_mean vs Slug



Right In: -19.597 $\pm$ 0.234 χ^2 /NDF: 13170.1/15

Left Out: 30.825 $\pm$ 0.445 χ^2 /NDF:126.5/2

Right Out: 28.496 $\pm$ 0.230 χ^2 /NDF: 12971.2/18

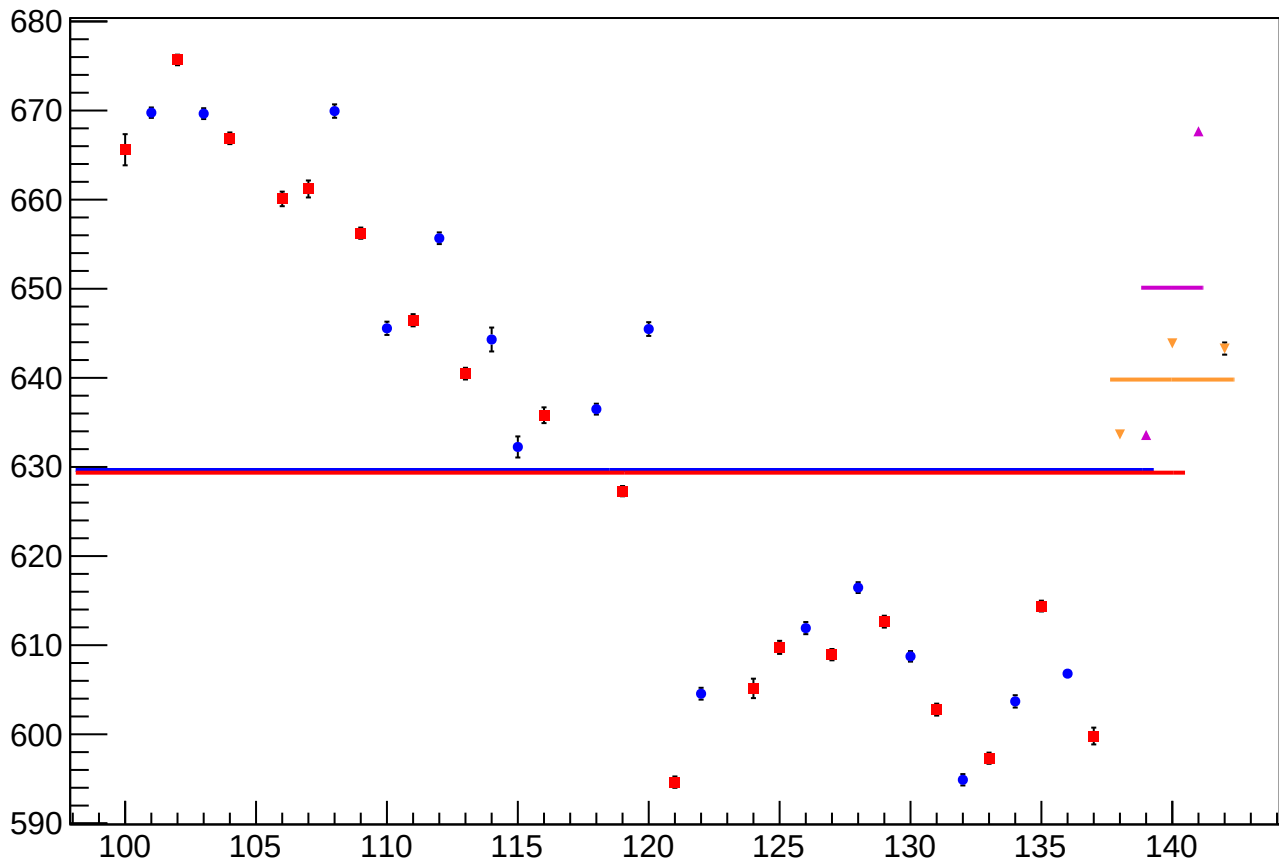
Left In: -16.832 $\pm$ 0.494 χ^2 /NDF:0.1/1

+ sign -8.682 $\pm$ 0.207 χ^2 /NDF: 23342.4/18

All: 5.804 $\pm$ 0.147 χ^2 /NDF: 53061.9/39

- sign 20.446 $\pm$ 0.208 χ^2 /NDF: 19888.8/20

diff_bpm1i02Y_rms vs Slug



Right In: 629.660 $\pm$ 0.166 χ^2 /NDF: 25315.5/15

Left Out: 639.809 $\pm$ 0.315 χ^2 /NDF:240.3/2

Right Out: 629.361 $\pm$ 0.162 χ^2 /NDF: 26791.2/18

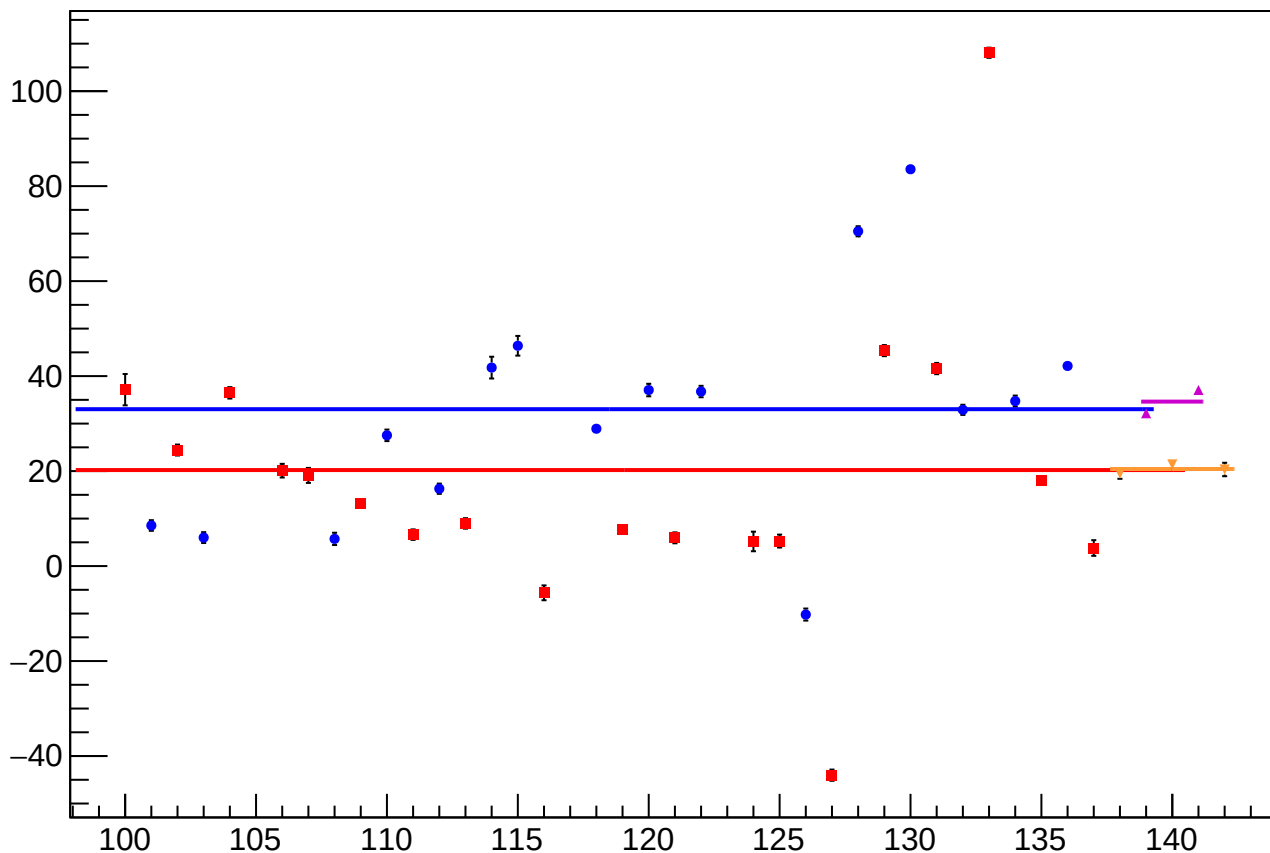
Left In: 650.116 $\pm$ 0.349 χ^2 /NDF:2375.4/1

+ sign 631.857 $\pm$ 0.146 χ^2 /NDF: 26369.8/18

All: 632.449 $\pm$ 0.104 χ^2 /NDF: 58469.9/39

- sign 633.047 $\pm$ 0.147 χ^2 /NDF: 32067.3/20

diff_bpm1i04X_mean vs Slug



Right In: 33.033 ± 0.289 χ^2/NDF : 6700.1/15

Left Out: 20.440 ± 0.670 χ^2/NDF : 1.6/2

Right Out: 20.215 ± 0.286 χ^2/NDF : 11869.7/18

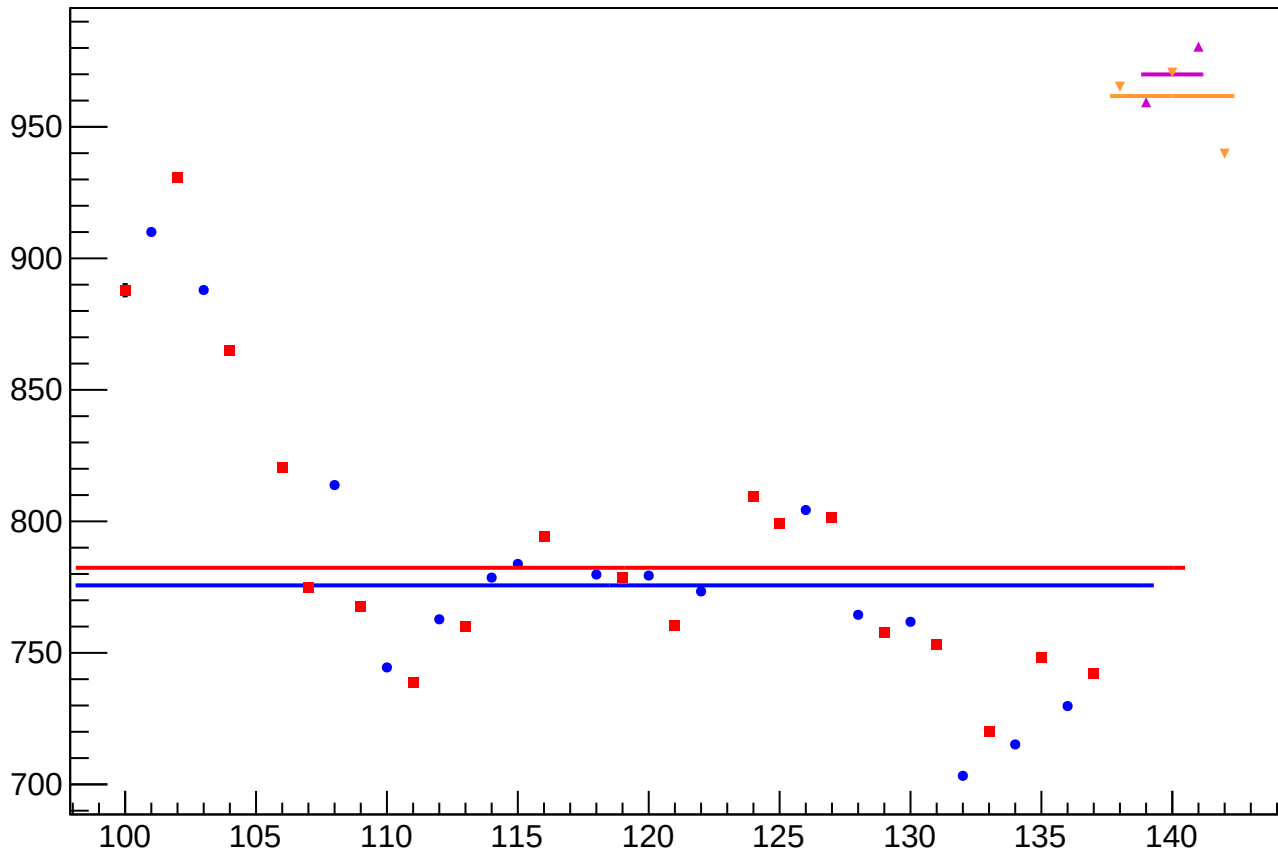
Left In: 34.629 ± 0.737 χ^2/NDF : 11.0/1

+ sign 31.058 ± 0.265 χ^2/NDF : 6999.8/18

All: 26.601 ± 0.188 χ^2/NDF : 19779.9/39

- sign 22.099 ± 0.267 χ^2/NDF : 12212.7/20

diff_bpm1i04X_rms vs Slug



Right In: 775.664 $\pm$ 0.204 χ^2 /NDF: 74660.0/15

Left Out: 961.719 $\pm$ 0.474 χ^2 /NDF: 642.8/2

Right Out: 782.358 $\pm$ 0.202 χ^2 /NDF: 64566.3/18

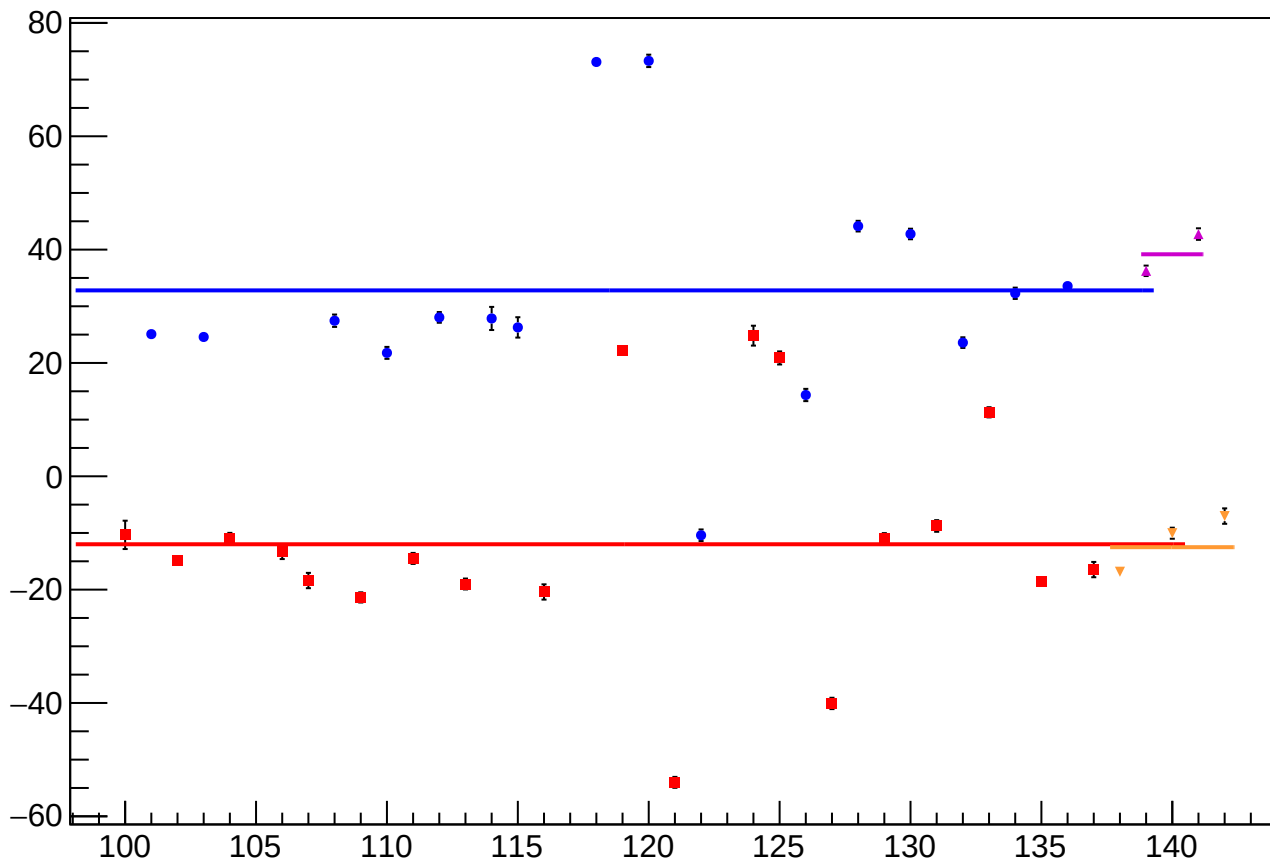
Left In: 969.942 $\pm$ 0.521 χ^2 /NDF: 411.2/1

+ sign 804.853 $\pm$ 0.188 χ^2 /NDF: 205429.6/18

All: 805.858 $\pm$ 0.133 χ^2 /NDF: 382944.9/39

- sign 806.874 $\pm$ 0.189 χ^2 /NDF: 177457.5/20

diff_bpm1i04Y_mean vs Slug



Right In: 32.804 $\pm$ 0.244 χ^2 /NDF: 6259.3/15

Left Out: -12.511 $\pm$ 0.590 χ^2 /NDF: 46.7/2

Right Out: -11.994 $\pm$ 0.241 χ^2 /NDF: 6559.7/18

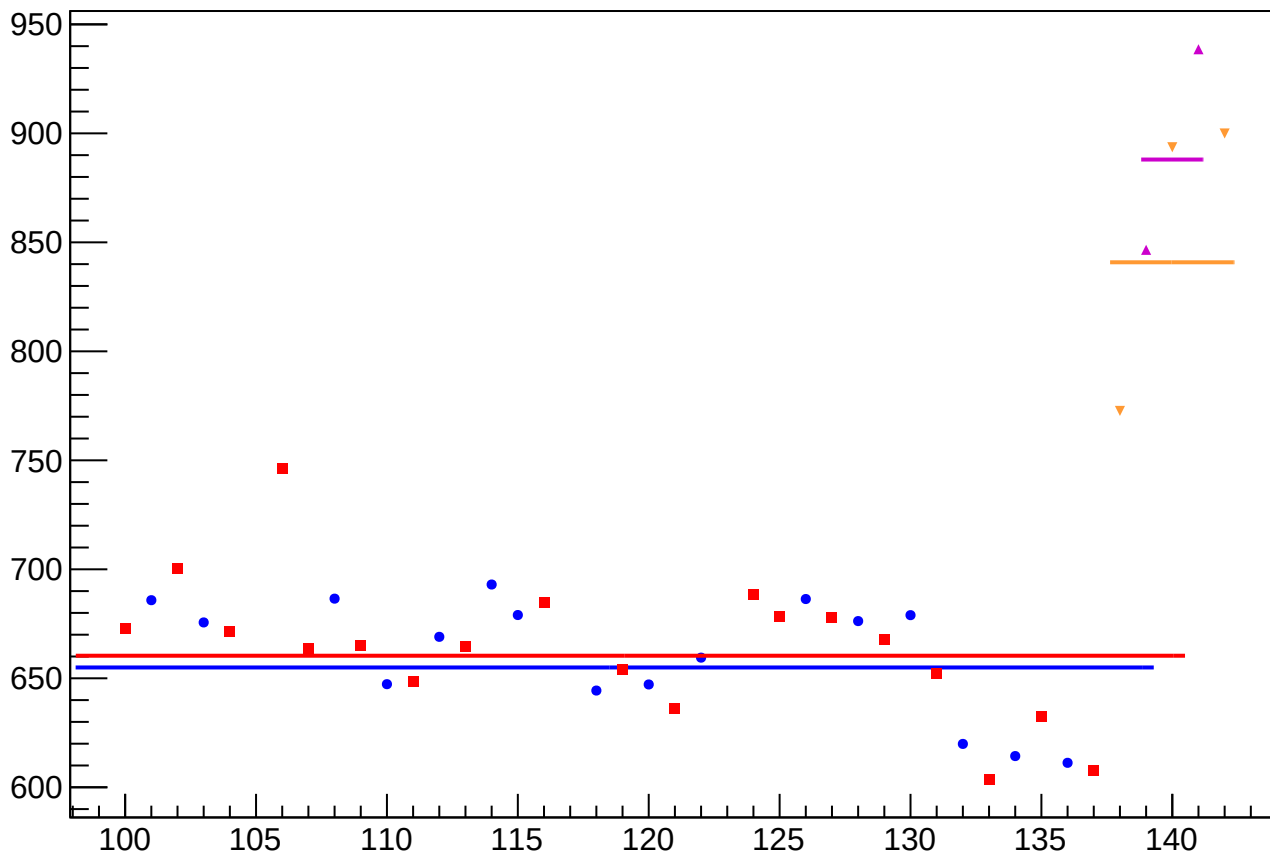
Left In: 39.176 $\pm$ 0.683 χ^2 /NDF: 22.3/1

+ sign 26.209 $\pm$ 0.225 χ^2 /NDF: 11345.3/18

All: 10.105 $\pm$ 0.160 χ^2 /NDF: 33254.5/39

- sign -6.328 $\pm$ 0.227 χ^2 /NDF: 11568.1/20

diff_bpm1i04Y_rms vs Slug



Right In: 654.970 $\pm$ 0.172 χ^2 /NDF: 26744.4/15

Left Out: 840.850 $\pm$ 0.417 χ^2 /NDF:21538.0/2

Right Out: 660.355 $\pm$ 0.171 χ^2 /NDF: 30417.5/18

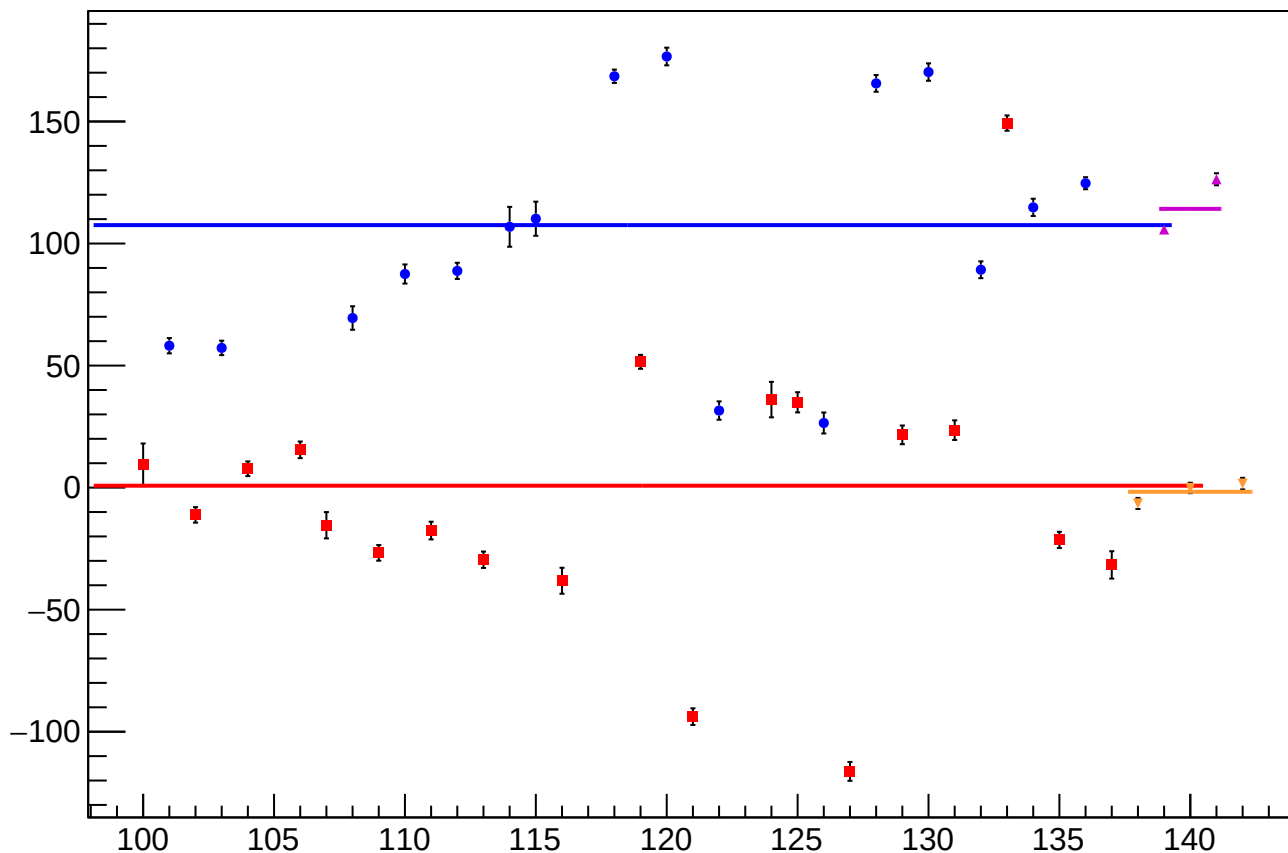
Left In: 887.987 $\pm$ 0.483 χ^2 /NDF:8975.2/1

+ sign 682.021 $\pm$ 0.159 χ^2 /NDF: 217869.6/18

All: 683.772 $\pm$ 0.113 χ^2 /NDF: 454856.2/39

- sign 685.559 $\pm$ 0.161 χ^2 /NDF: 236742.2/20

diff_bpm1i06X_mean vs Slug



Right In: 107.548 $\pm$ 0.885 χ^2 /NDF: 2955.8/15

Left Out: -1.703 $\pm$ 1.304 χ^2 /NDF: 7.0/2

Right Out: 0.788 $\pm$ 0.861 χ^2 /NDF: 4763.9/18

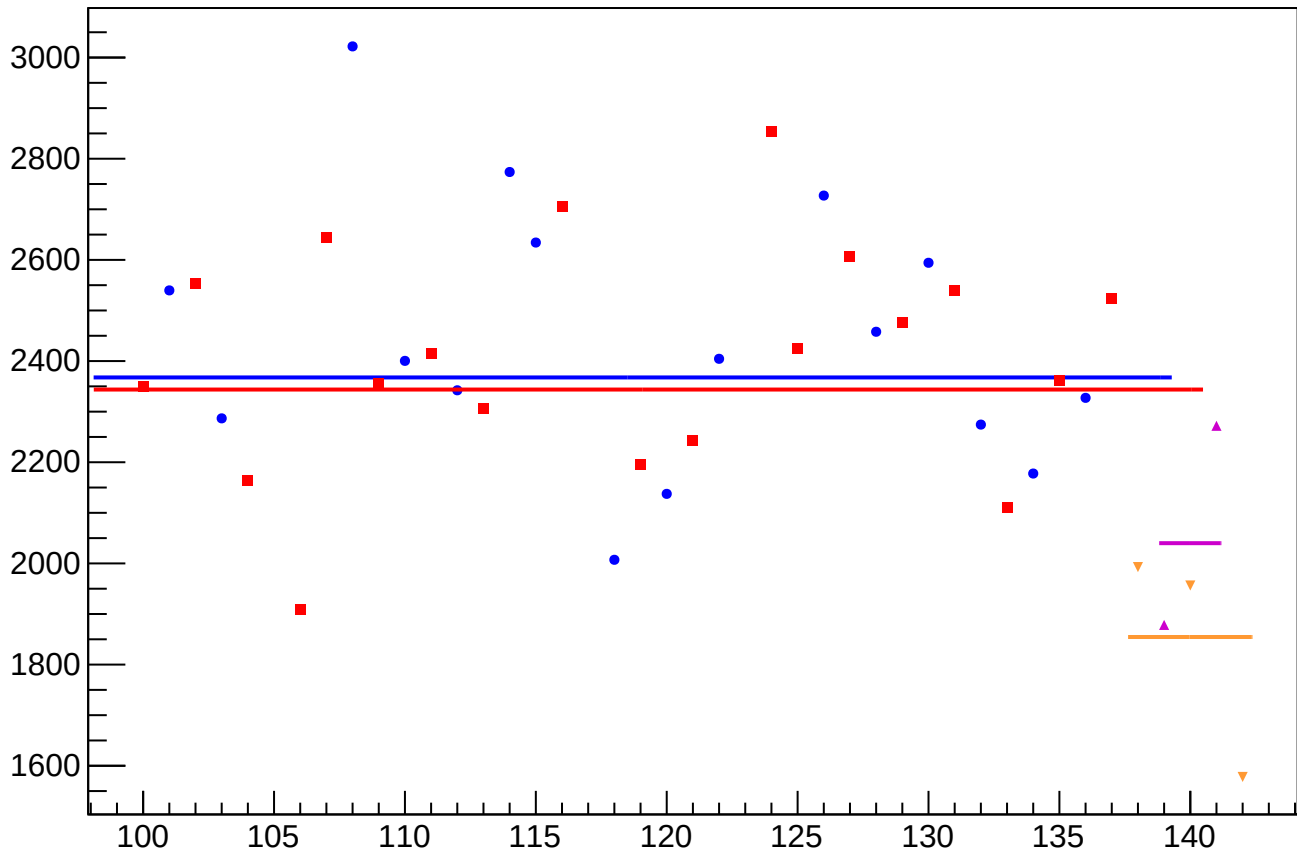
Left In: 114.207 $\pm$ 1.580 χ^2 /NDF: 41.0/1

+ sign 73.081 $\pm$ 0.732 χ^2 /NDF: 7766.9/18

All: 50.640 $\pm$ 0.526 χ^2 /NDF: 18482.0/39

- sign 26.738 $\pm$ 0.756 χ^2 /NDF: 8776.8/20

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF : 126764.1/15

Left Out: 1854.528+/-0.922 χ^2/NDF : 39009.1/2

Right Out: 2343.704+/-0.609 χ^2/NDF : 112274.4/18

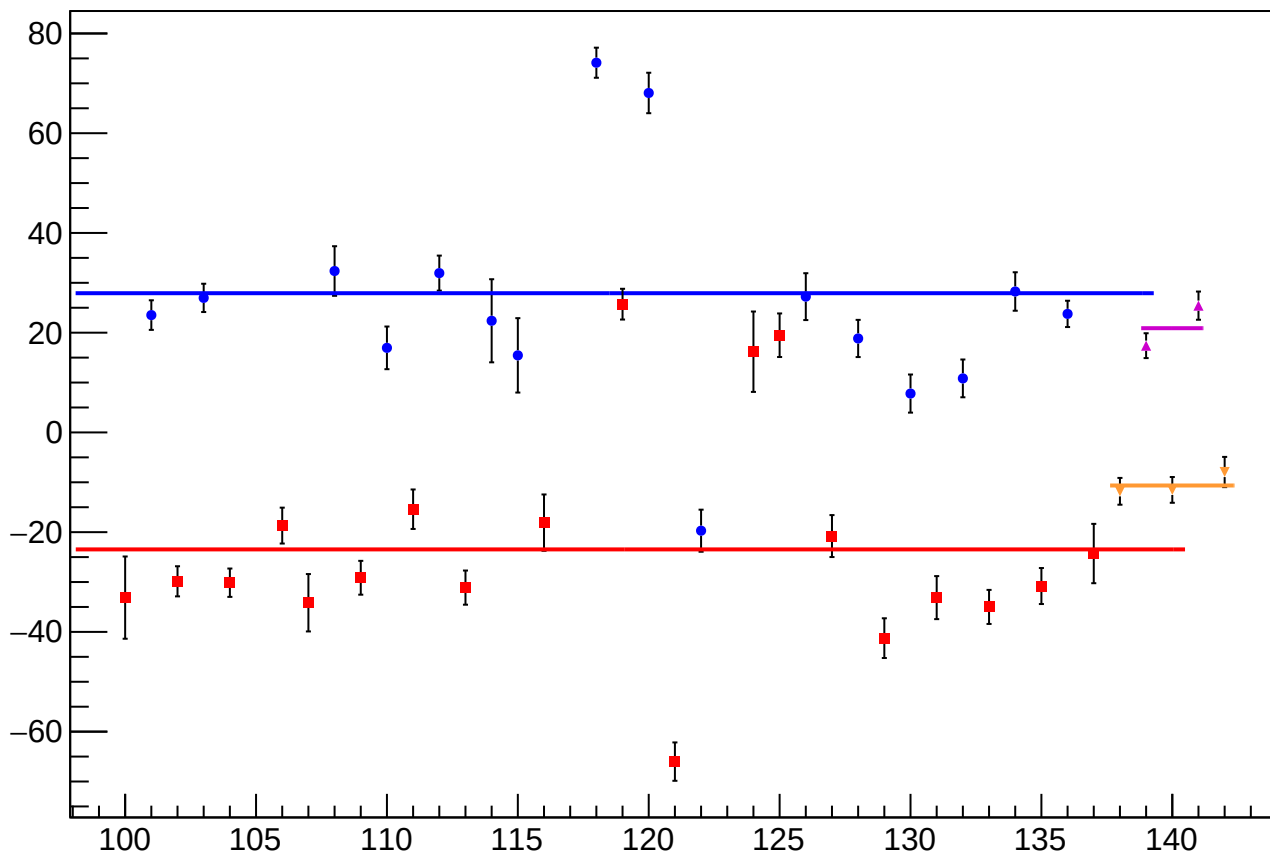
Left In: 2040.008+/-1.118 χ^2/NDF : 30017.8/1

+ sign 2205.757+/-0.518 χ^2/NDF : 377707.1/18

All: 2238.909+/-0.372 χ^2/NDF : 585415.1/39

- sign 2274.219+/-0.535 χ^2/NDF : 199247.7/20

diff_bpm1i06Y_mean vs Slug



Right In: 27.916 ± 0.937 $\chi^2/\text{NDF}: 530.7/15$

Left Out: -10.643 ± 1.587 $\chi^2/\text{NDF}: 1.1/2$

Right Out: -23.457 ± 0.903 $\chi^2/\text{NDF}: 567.9/18$

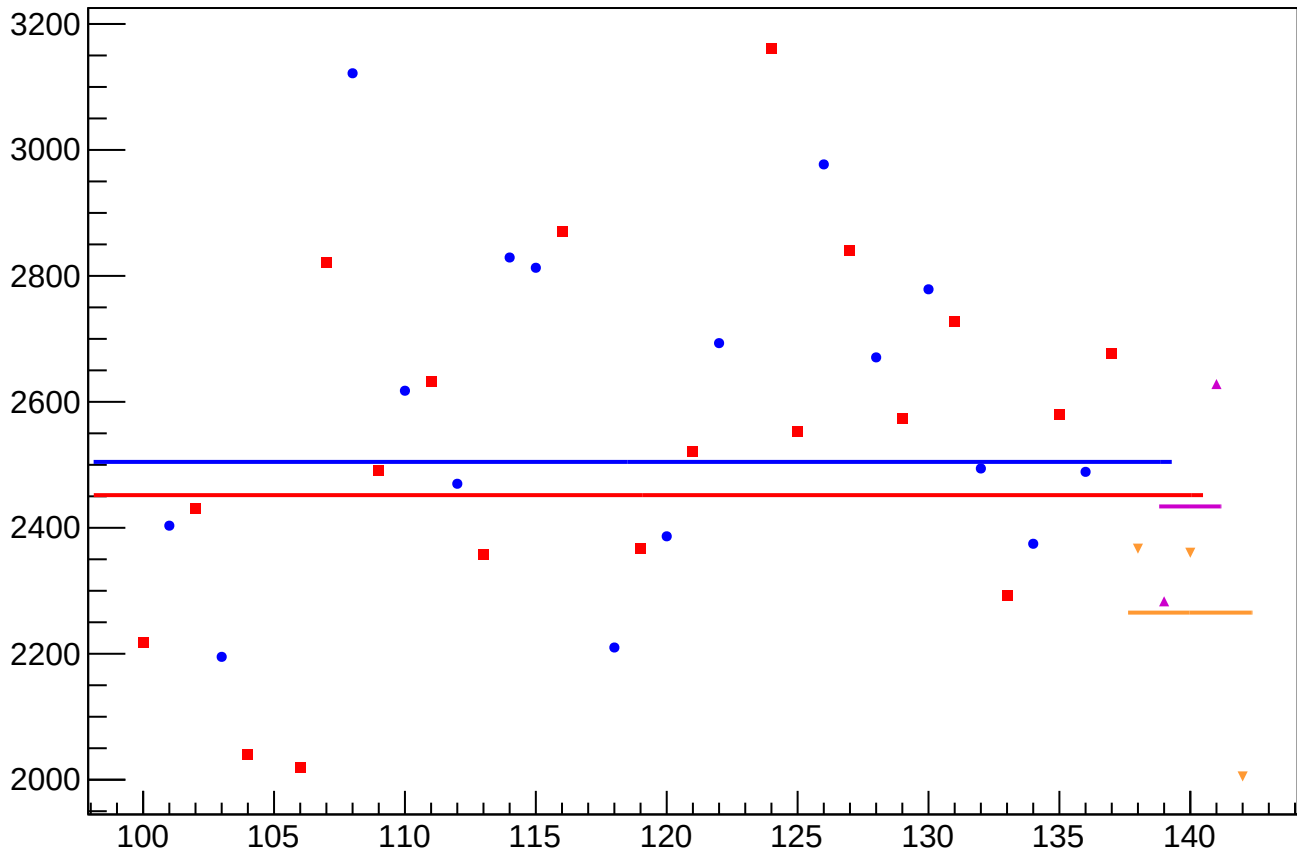
Left In: 20.900 ± 1.869 $\chi^2/\text{NDF}: 4.5/1$

+ sign 17.948 ± 0.807 $\chi^2/\text{NDF}: 969.8/18$

All: 1.565 ± 0.573 $\chi^2/\text{NDF}: 2830.2/39$

- sign -15.071 ± 0.813 $\chi^2/\text{NDF}: 1029.0/20$

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654 $\pm$ 0.662 χ^2 /NDF: 126599.1/15

Left Out: 2265.348 $\pm$ 1.122 χ^2 /NDF: 20297.9/2

Right Out: 2451.880 $\pm$ 0.638 χ^2 /NDF: 153237.1/18

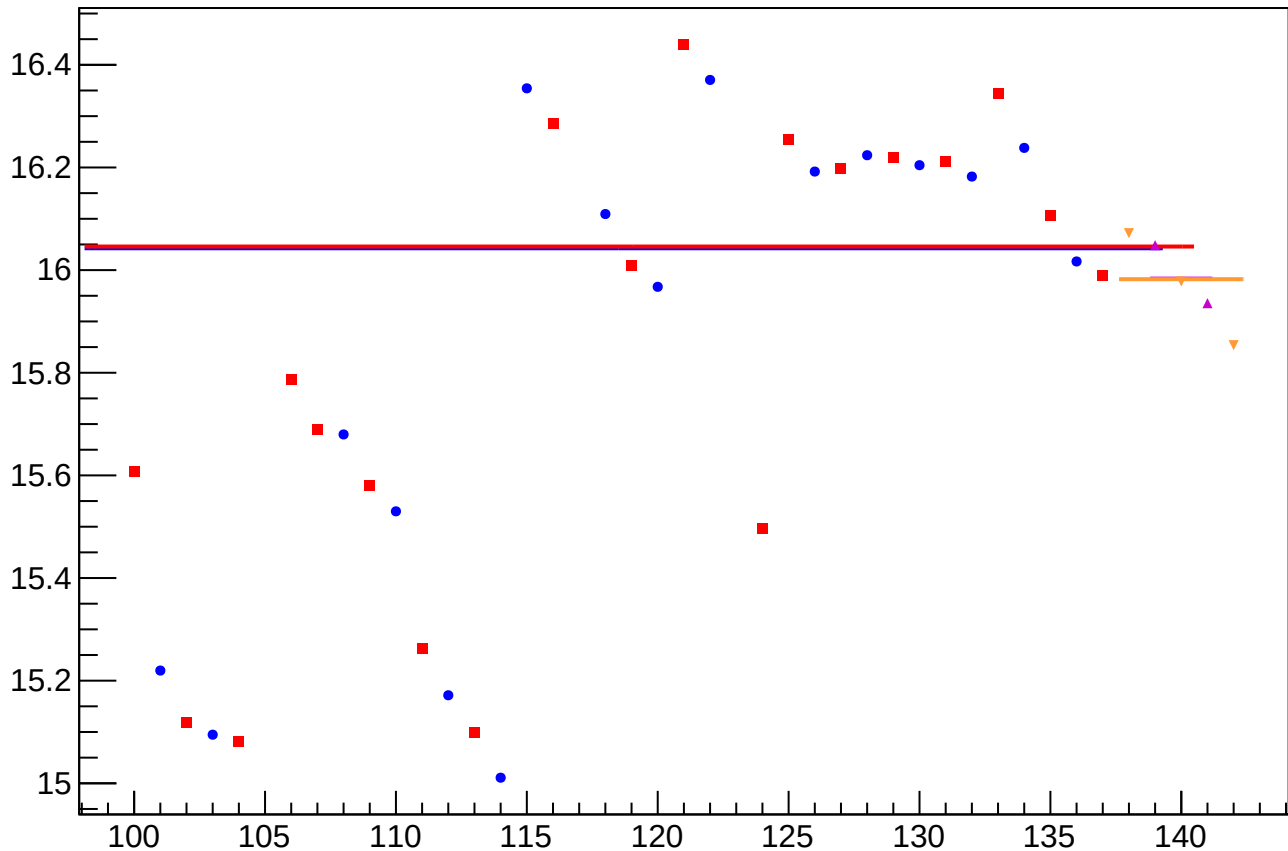
Left In: 2433.937 $\pm$ 1.322 χ^2 /NDF: 16755.0/1

+ sign 2442.791 $\pm$ 0.570 χ^2 /NDF: 180637.8/18

All: 2445.617 $\pm$ 0.405 χ^2 /NDF: 350828.8/39

- sign 2448.488 $\pm$ 0.575 χ^2 /NDF: 170141.5/20

yield_sam1_mean vs Slug



Right In: 16.043+/-0.000 χ^2/NDF : 2840540588.4/15

Left Out: 15.982+/-0.000 χ^2/NDF : 136474634.6/2

+ sign 16.021+/-0.000 χ^2/NDF : 3023922443.6/18

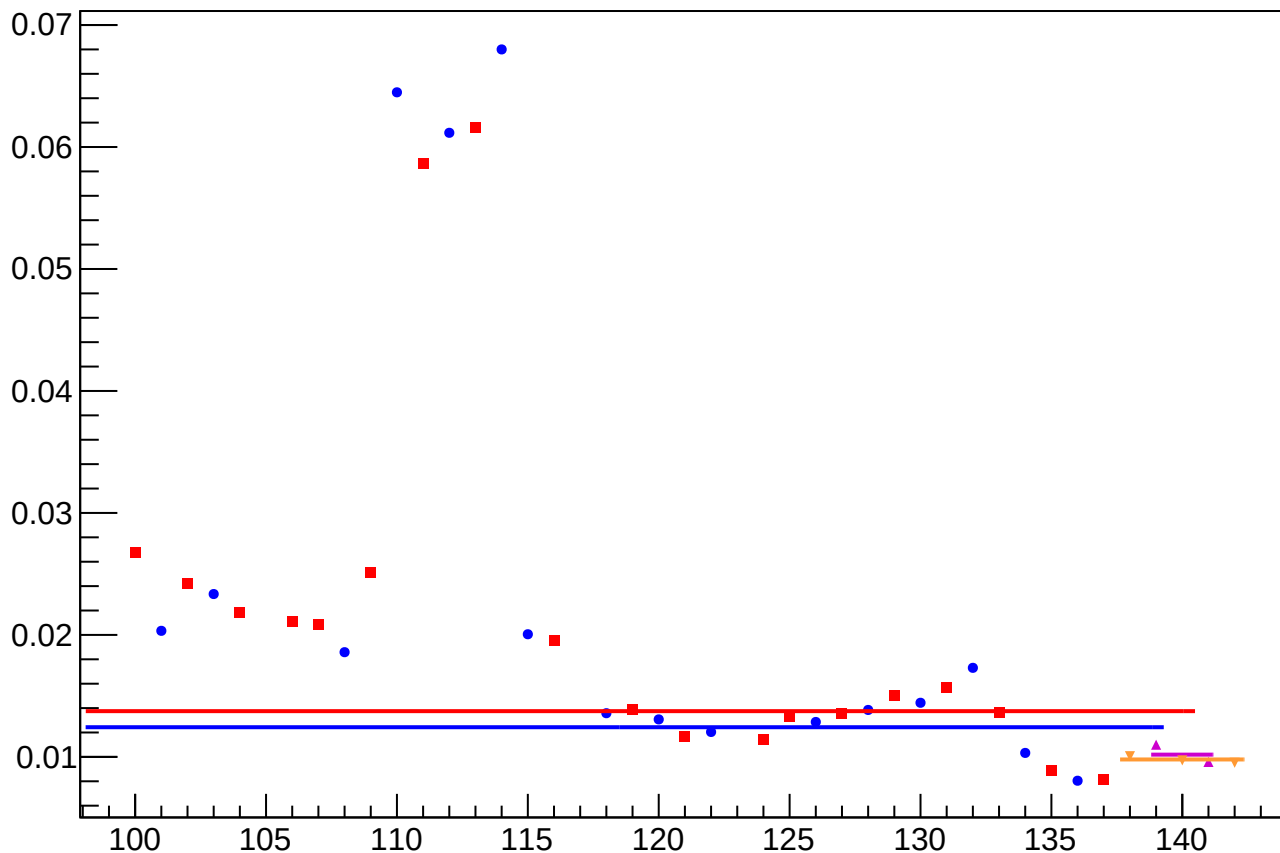
Right Out: 16.046+/-0.000 χ^2/NDF : 3552158387.5/18

All: 16.022+/-0.000 χ^2/NDF : 6665749694.8/3

Left In: 15.983+/-0.000 χ^2/NDF : 48962310.0/1

- sign 16.025+/-0.000 χ^2/NDF : 3641465161.2/20

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2316842.7/15

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:1807.2/2

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2230614.9/18

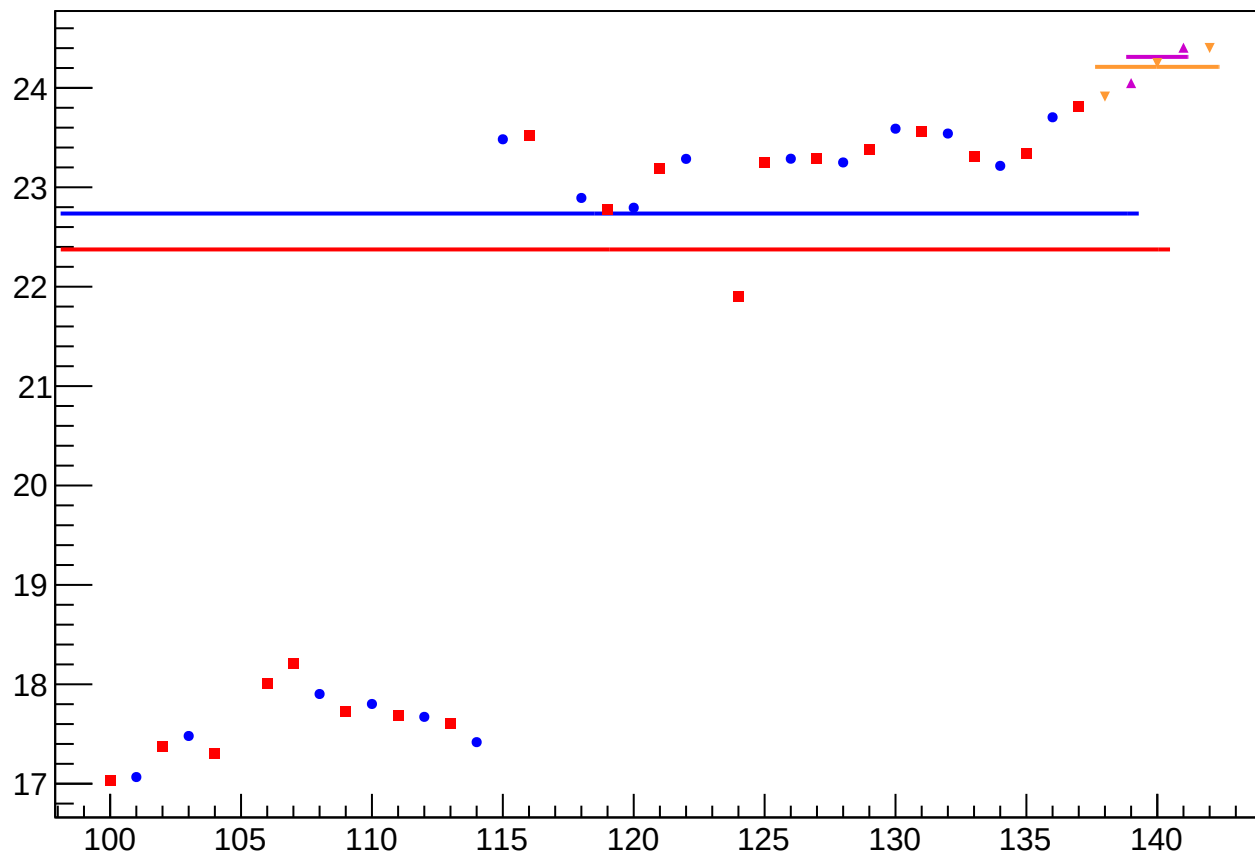
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:15324.0/1

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2499191.2/18

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5063447.2/39

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2508399.2/20

yield_sam2_mean vs Slug



Right In: 22.736+/-0.000 χ^2 /NDF: 1220713728.0/15

Left Out: 24.212+/-0.000 χ^2 /NDF: 4244440.2/2

Right Out: 22.375+/-0.000 χ^2 /NDF: 1215661430.7/18

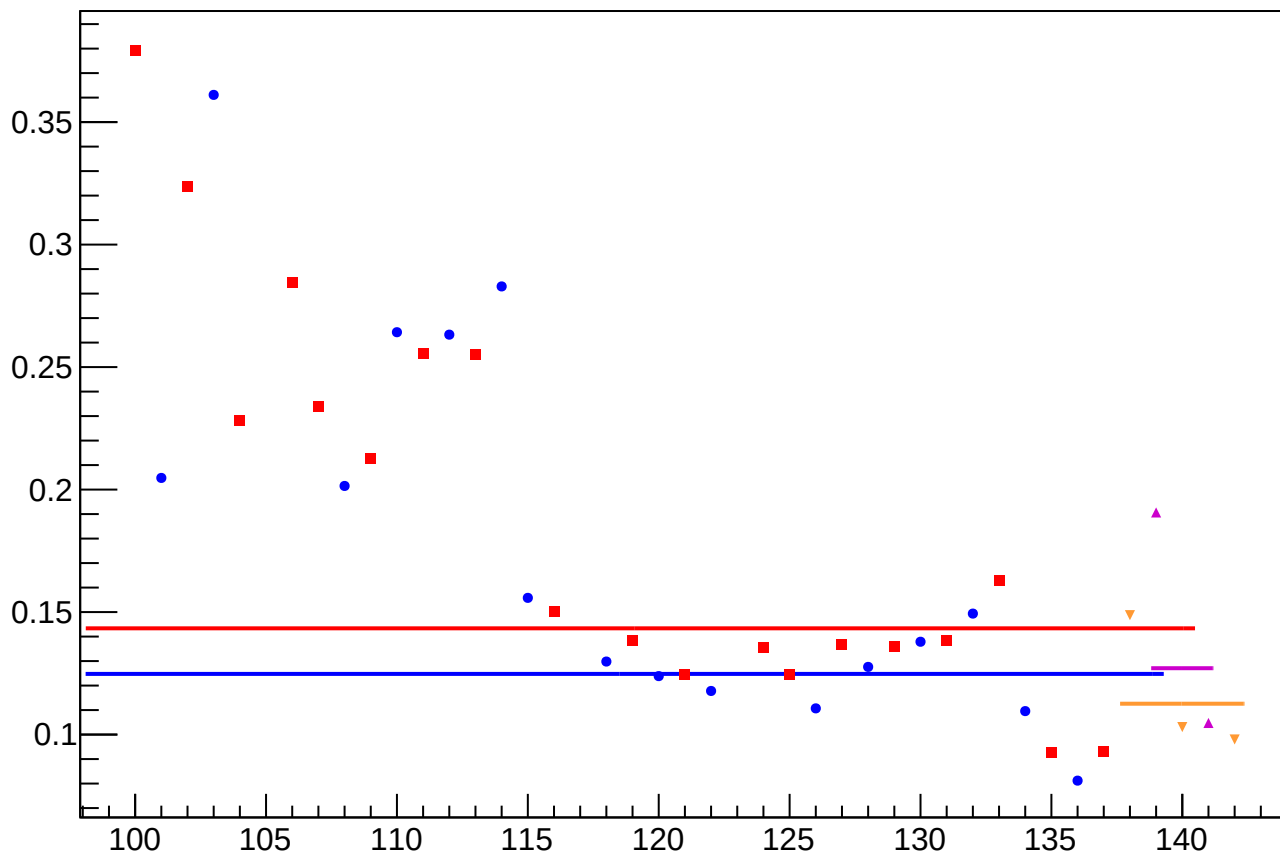
Left In: 24.312+/-0.000 χ^2 /NDF: 2161256.9/1

+ sign 23.142+/-0.000 χ^2 /NDF: 1430969564.0/18

All: 23.011+/-0.000 χ^2 /NDF: 2920076742.9/3

- sign 22.841+/-0.000 χ^2 /NDF: 1470273799.7/20

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF : 1749818.7/15

Left Out: 0.113+/-0.000 χ^2/NDF :109164.6/2

Right Out: 0.143+/-0.000 χ^2/NDF : 1570103.9/18

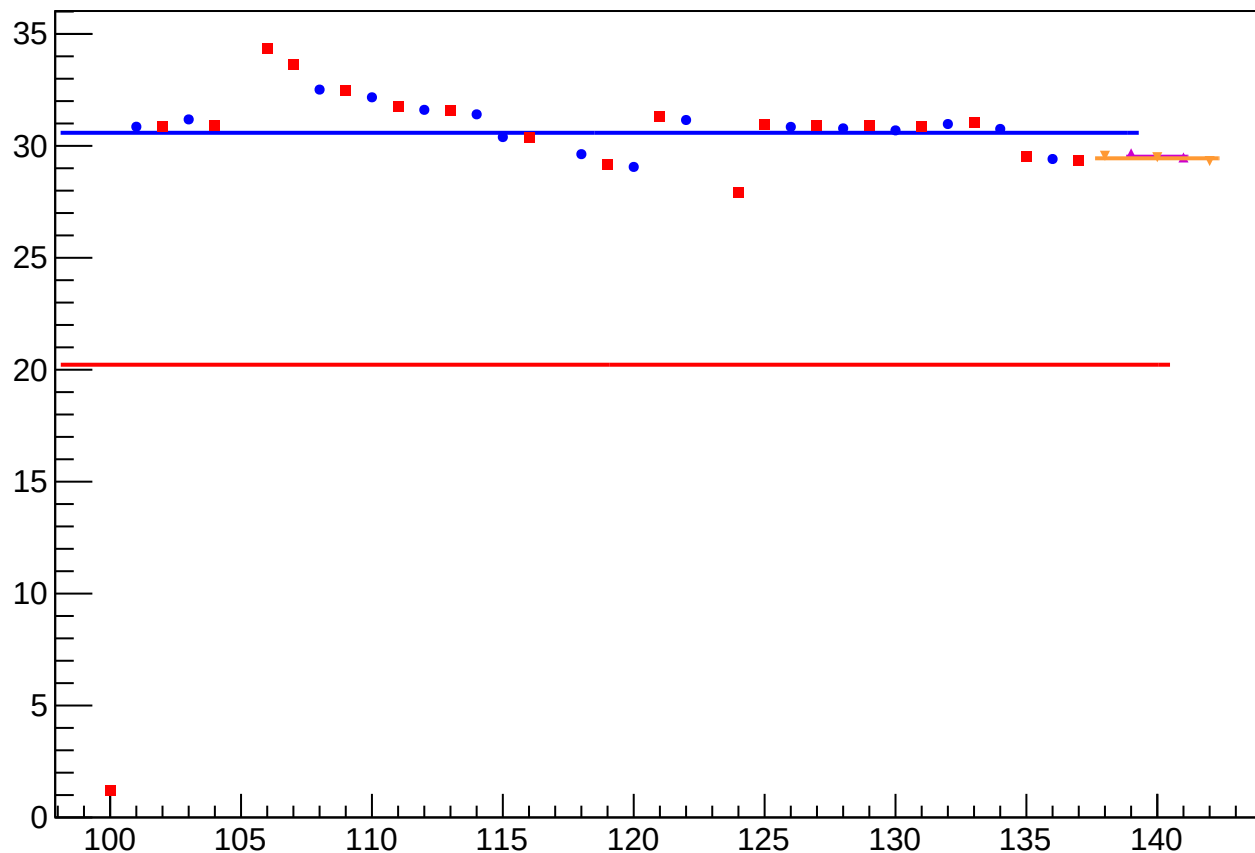
Left In: 0.127+/-0.000 χ^2/NDF :251752.3/1

+ sign 0.121+/-0.000 χ^2/NDF : 1886993.5/18

All: 0.129+/-0.000 χ^2/NDF : 3879359.8/39

- sign 0.139+/-0.000 χ^2/NDF : 1857516.9/20

yield_sam3_mean vs Slug



Right In: 30.585 $\pm$ 0.000 χ^2 /NDF: 652266844.4/15

Left Out: 29.445 $\pm$ 0.000 χ^2 /NDF: 2027111.1/2

Right Out: 20.224 $\pm$ 0.000 χ^2 /NDF: 221262816636.2/18

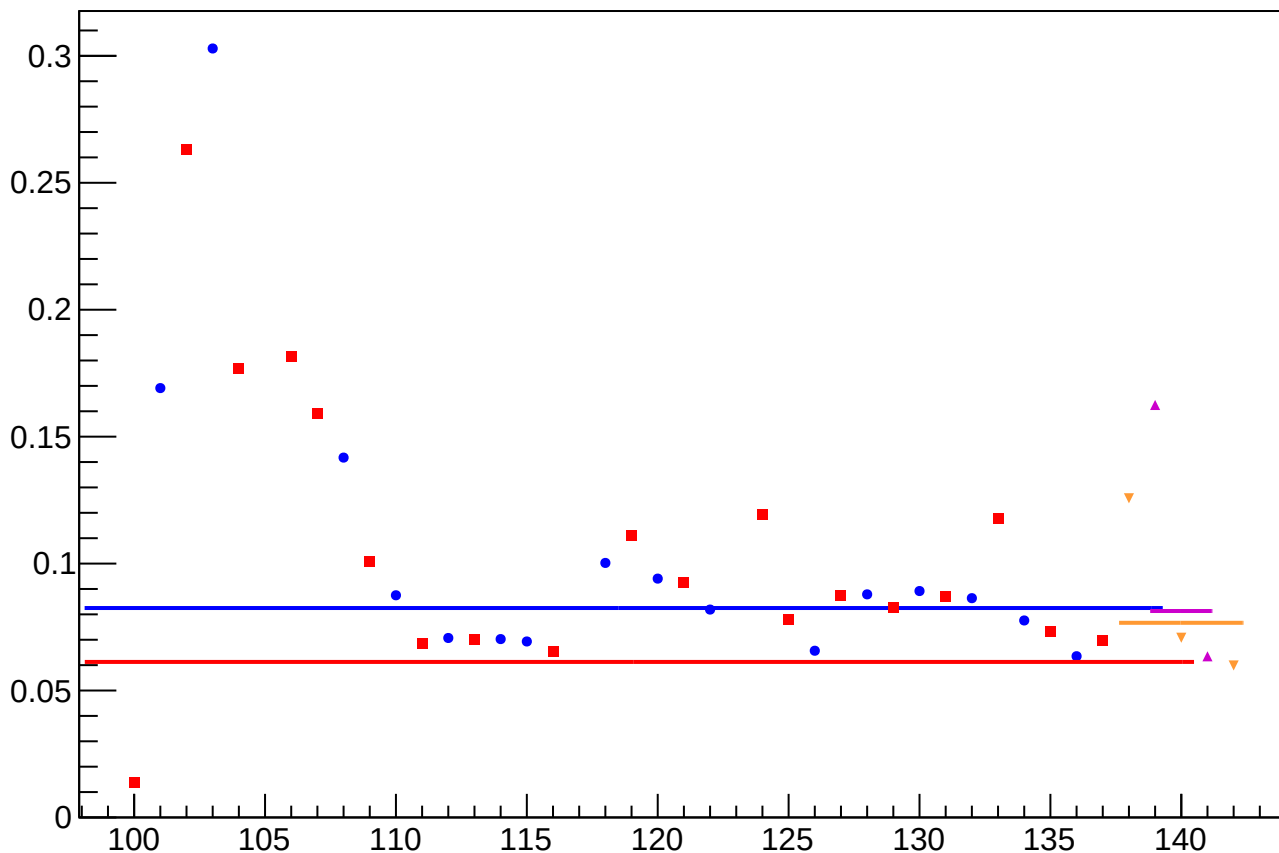
Left In: 29.517 $\pm$ 0.000 χ^2 /NDF: 881061.0/1

+ sign 30.321 $\pm$ 0.000 χ^2 /NDF: 887134688.2/18

All: 25.418 $\pm$ 0.000 χ^2 /NDF: 278640559865.

- sign 21.507 $\pm$ 0.000 χ^2 /NDF: 234240527060.1/20

yield_sam3_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1261492.7/15

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:251610.2/2

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 4014305.3/18

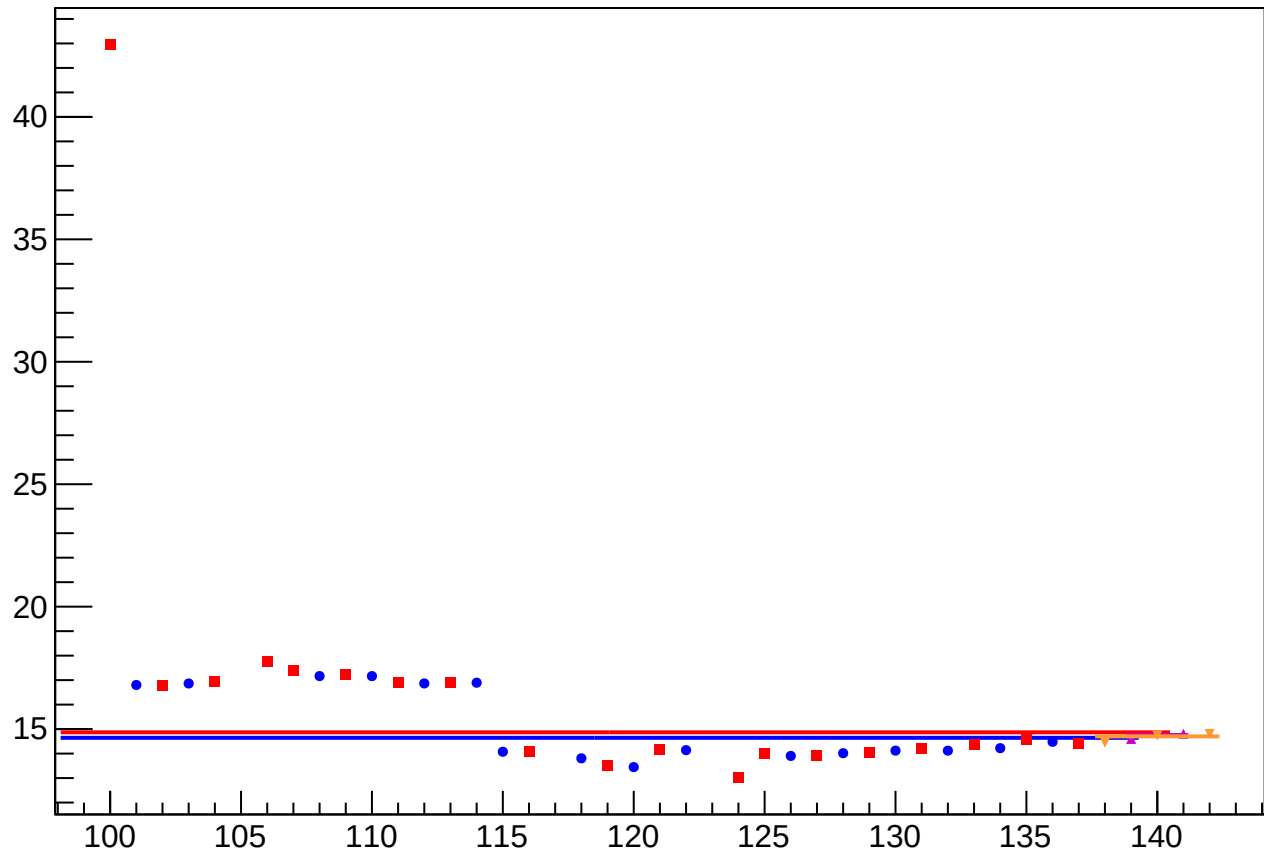
Left In: 0.081 $\pm$ 0.000 χ^2 /NDF:505053.7/1

+ sign 0.081 $\pm$ 0.000 χ^2 /NDF: 1525240.3/18

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 6493781.6/39

- sign 0.064 $\pm$ 0.000 χ^2 /NDF: 4640304.0/20

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF : 1193913109.5/15

Left Out: 14.702+/-0.000 χ^2/NDF : 4290142.0/2

Right Out: 14.868+/-0.000 χ^2/NDF : 1730040006.8/18

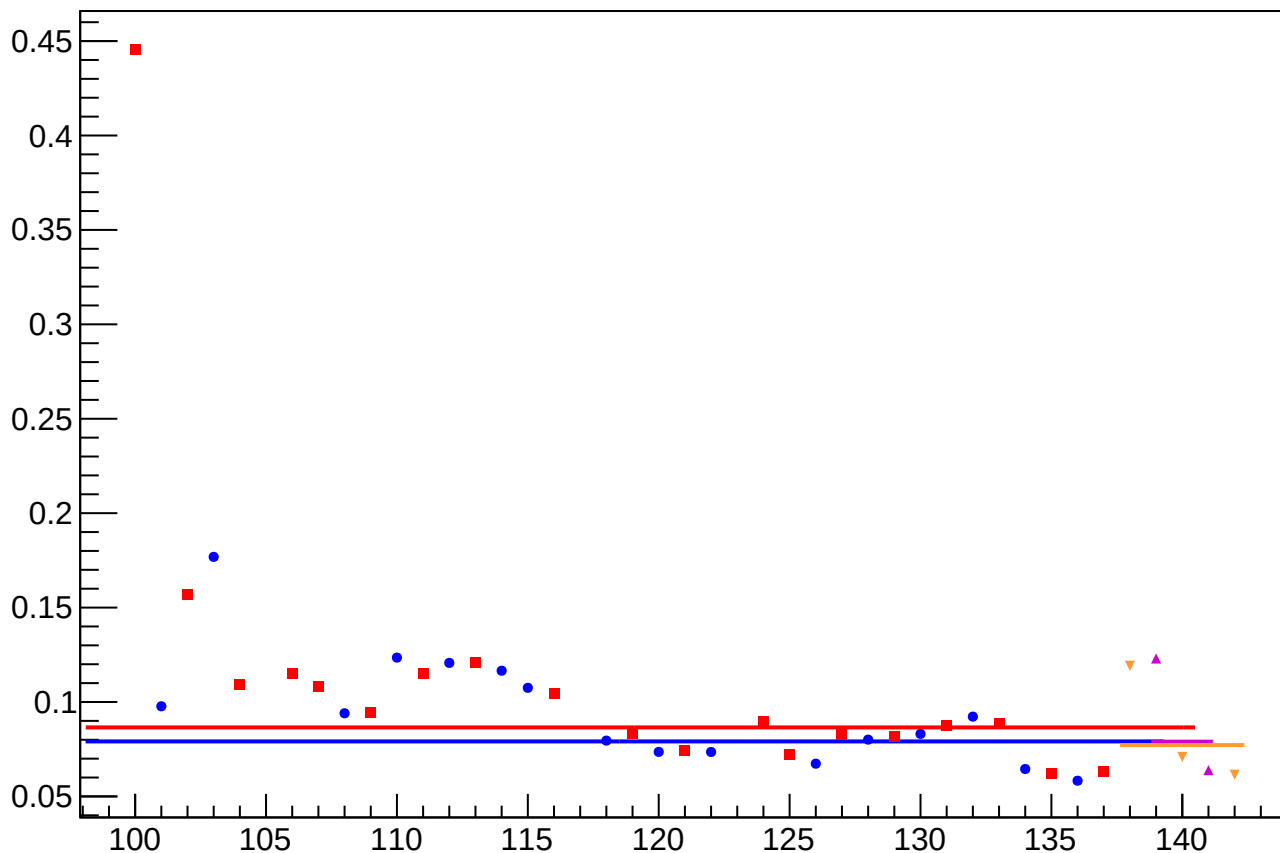
Left In: 14.757+/-0.000 χ^2/NDF : 1795161.5/1

+ sign 14.657+/-0.000 χ^2/NDF : 1198875498.0/18

All: 14.744+/-0.000 χ^2/NDF : 2952495830.1/3

- sign 14.845+/-0.000 χ^2/NDF : 1733916568.9/20

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF : 918198.7/15

Left Out: 0.077+/-0.000 χ^2/NDF : 229256.7/2

Right Out: 0.087+/-0.000 χ^2/NDF : 793345.8/18

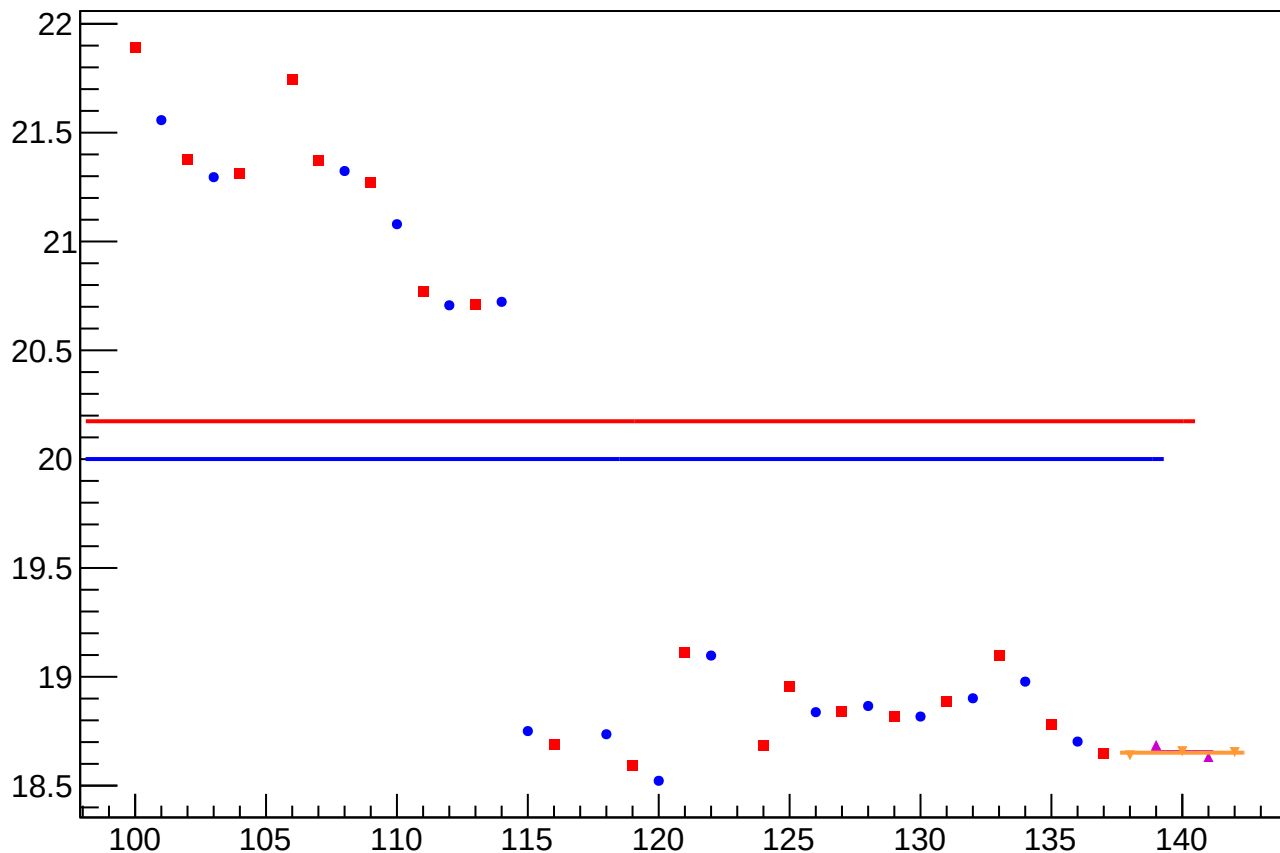
Left In: 0.079+/-0.000 χ^2/NDF : 281880.3/1

+ sign 0.079+/-0.000 χ^2/NDF : 1148974.8/18

All: 0.082+/-0.000 χ^2/NDF : 2287256.7/39

- sign 0.085+/-0.000 χ^2/NDF : 1094488.0/20

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF : 10878846617.7/15

Left Out: 18.651+/-0.000 χ^2/NDF :106491.5/2

Right Out: 20.174+/-0.000 χ^2/NDF : 10426322430.8/18

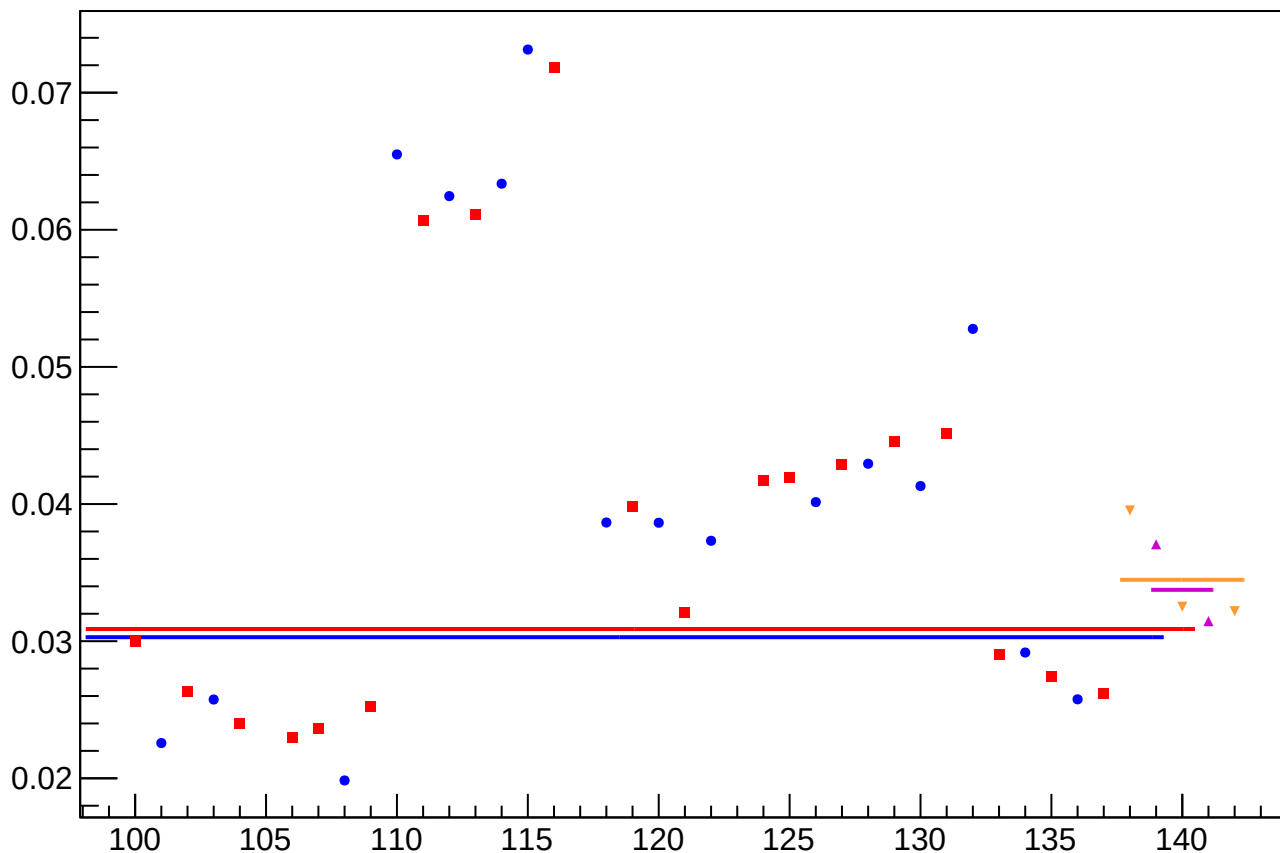
Left In: 18.654+/-0.000 χ^2/NDF :1053320.6/1

+ sign 19.731+/-0.000 χ^2/NDF : 13239305569.5/18

All: 19.815+/-0.000 χ^2/NDF : 26489293994.4

- sign 19.901+/-0.000 χ^2/NDF : 13134415888.1/20

yield_sam5_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 1447374.9/15

Left Out: 0.034 $\pm$ 0.000 χ^2 /NDF:34169.6/2

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 1204729.6/18

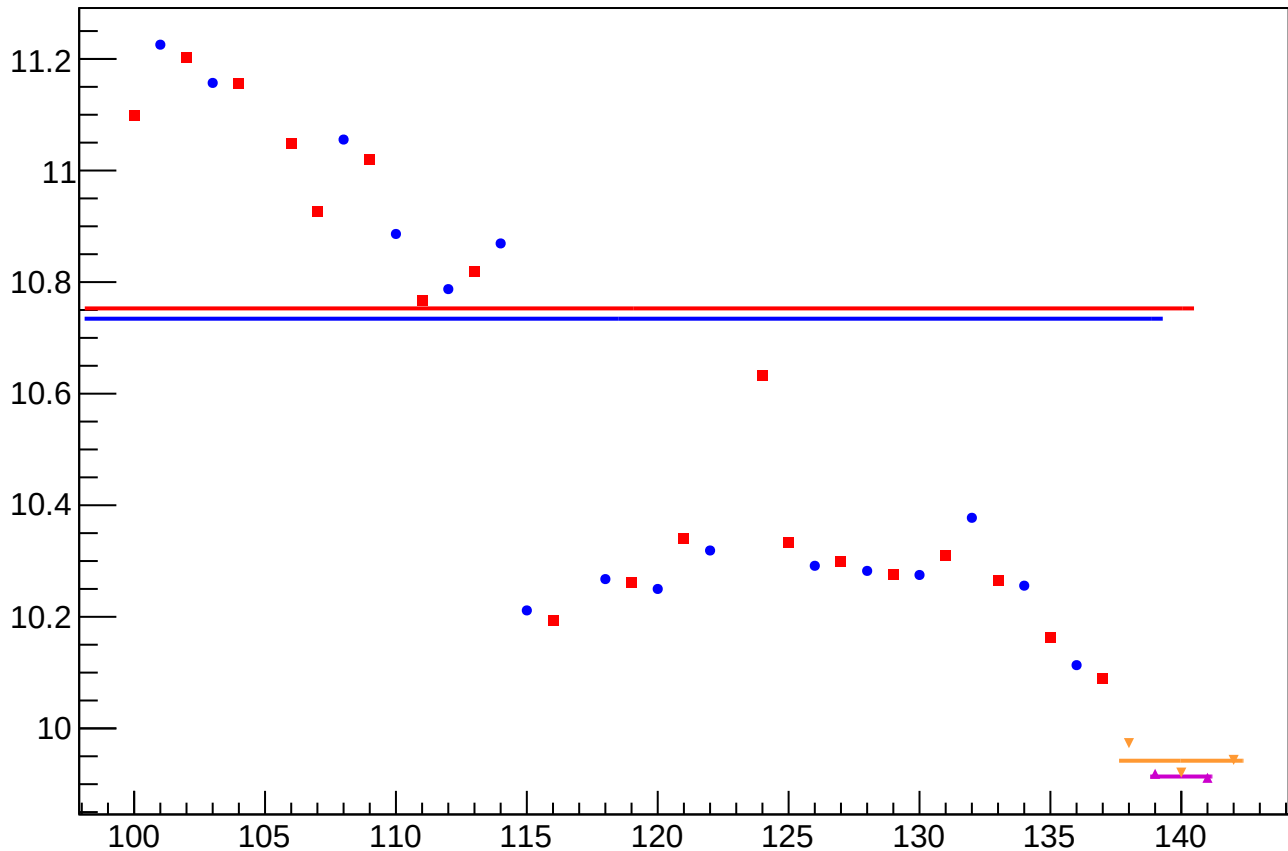
Left In: 0.034 $\pm$ 0.000 χ^2 /NDF:21697.1/1

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1526973.4/18

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 2773158.2/39

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1245576.8/20

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF : 5879444478.4/15

Left Out: 9.942+/-0.000 χ^2/NDF : 2482257.3/2

Right Out: 10.753+/-0.000 χ^2/NDF : 4344265704.2/18

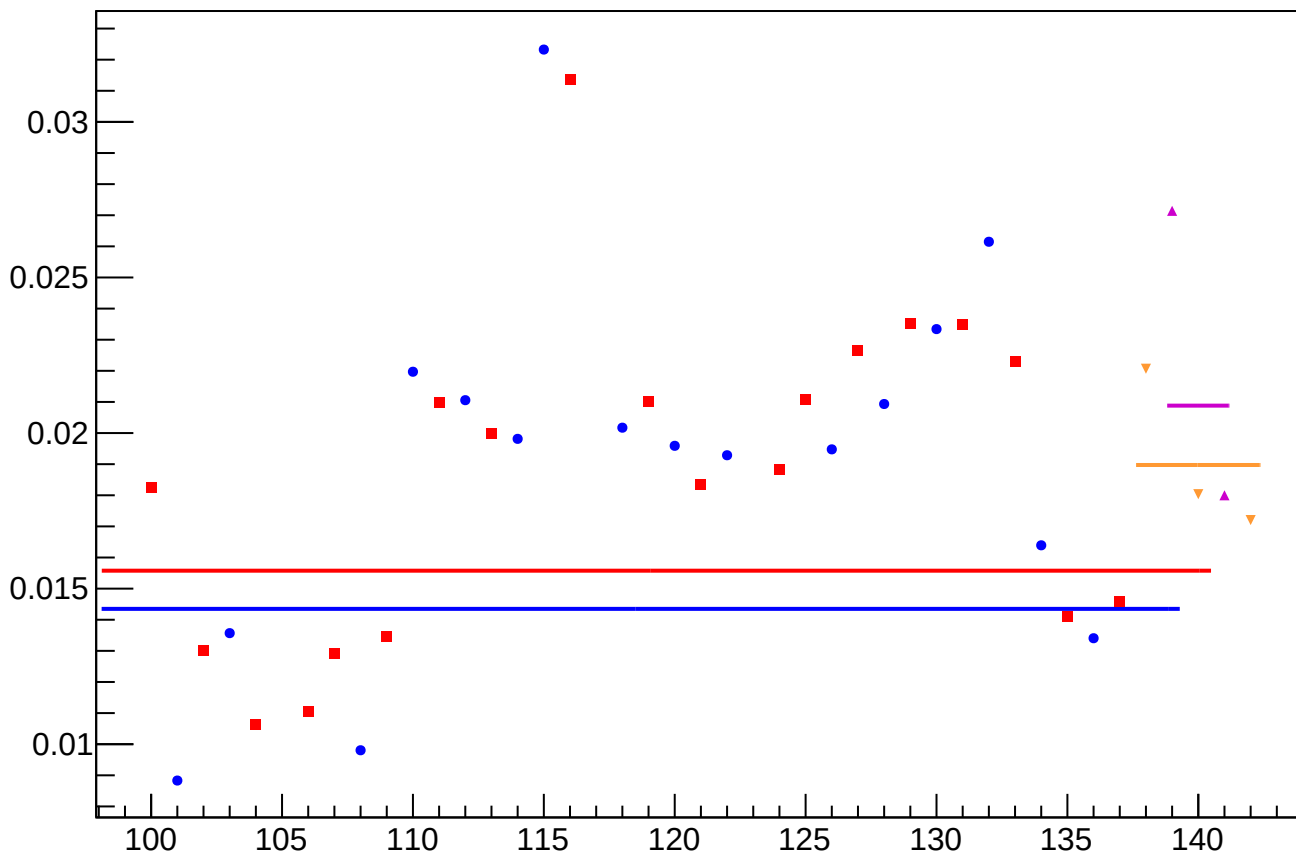
Left In: 9.914+/-0.000 χ^2/NDF : 39953.0/1

+ sign 10.611+/-0.000 χ^2/NDF : 8575470984.2/18

All: 10.629+/-0.000 χ^2/NDF : 15157386594.4

- sign 10.649+/-0.000 χ^2/NDF : 6559630797.2/20

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1481790.8/15

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:40506.0/2

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 1071979.1/18

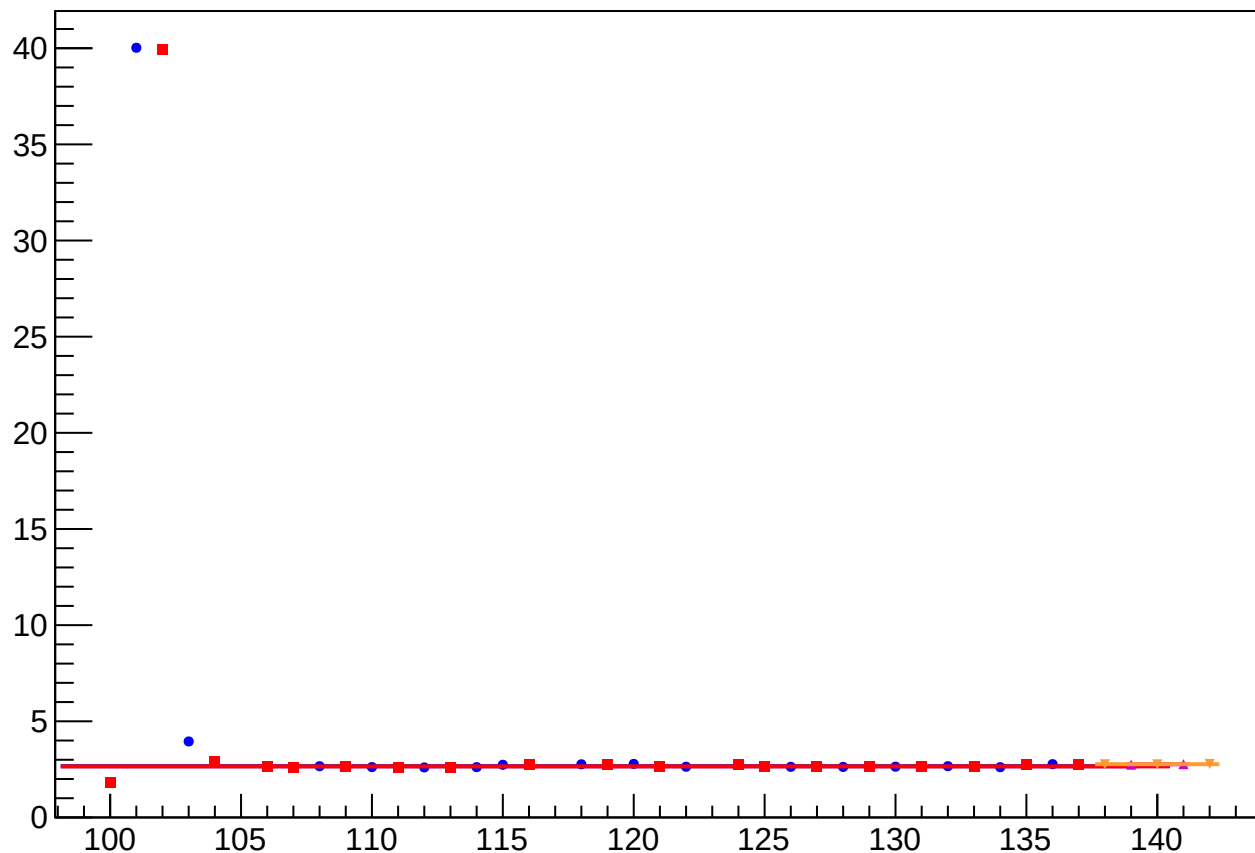
Left In: 0.021 $\pm$ 0.000 χ^2 /NDF:129492.0/1

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 1705779.5/18

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 3125962.1/39

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 1378531.4/20

yield_sam7_mean vs Slug



Right In: 2.664 $\pm$ 0.000 χ^2 /NDF: 67839888284.3/15

Left Out: 2.770 $\pm$ 0.000 χ^2 /NDF:16913673.8/2

Right Out: 2.656 $\pm$ 0.000 χ^2 /NDF: 65056887880.1/18

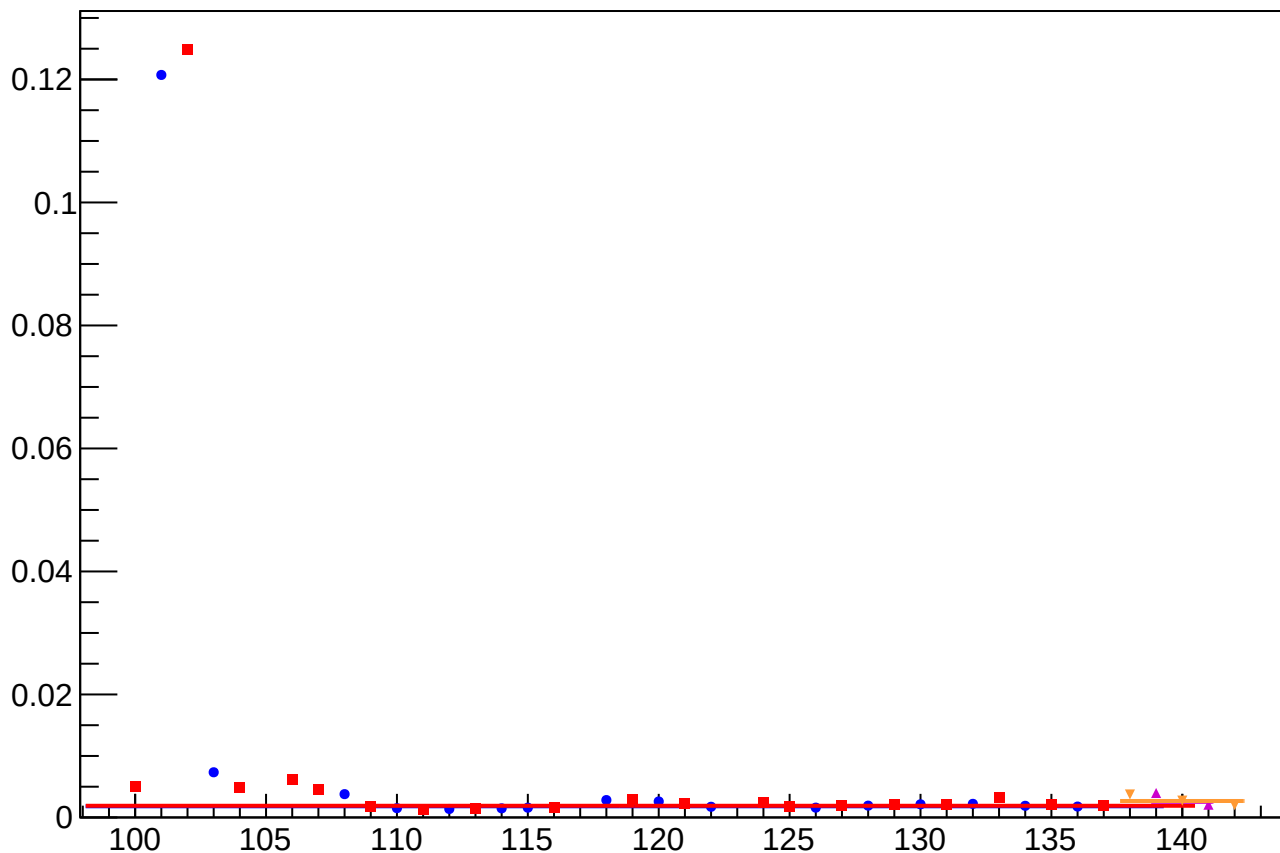
Left In: 2.766 $\pm$ 0.000 χ^2 /NDF:27223053.2/1

+ sign 2.678 $\pm$ 0.000 χ^2 /NDF: 70039532423.0/18

All: 2.674 $\pm$ 0.000 χ^2 /NDF: 137342857547.2

- sign 2.671 $\pm$ 0.000 χ^2 /NDF: 67258110276.8/20

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1822680.9/15

Left Out: 0.003+/-0.000 χ^2/NDF :194471.0/2

Right Out: 0.002+/-0.000 χ^2/NDF : 2525514.7/18

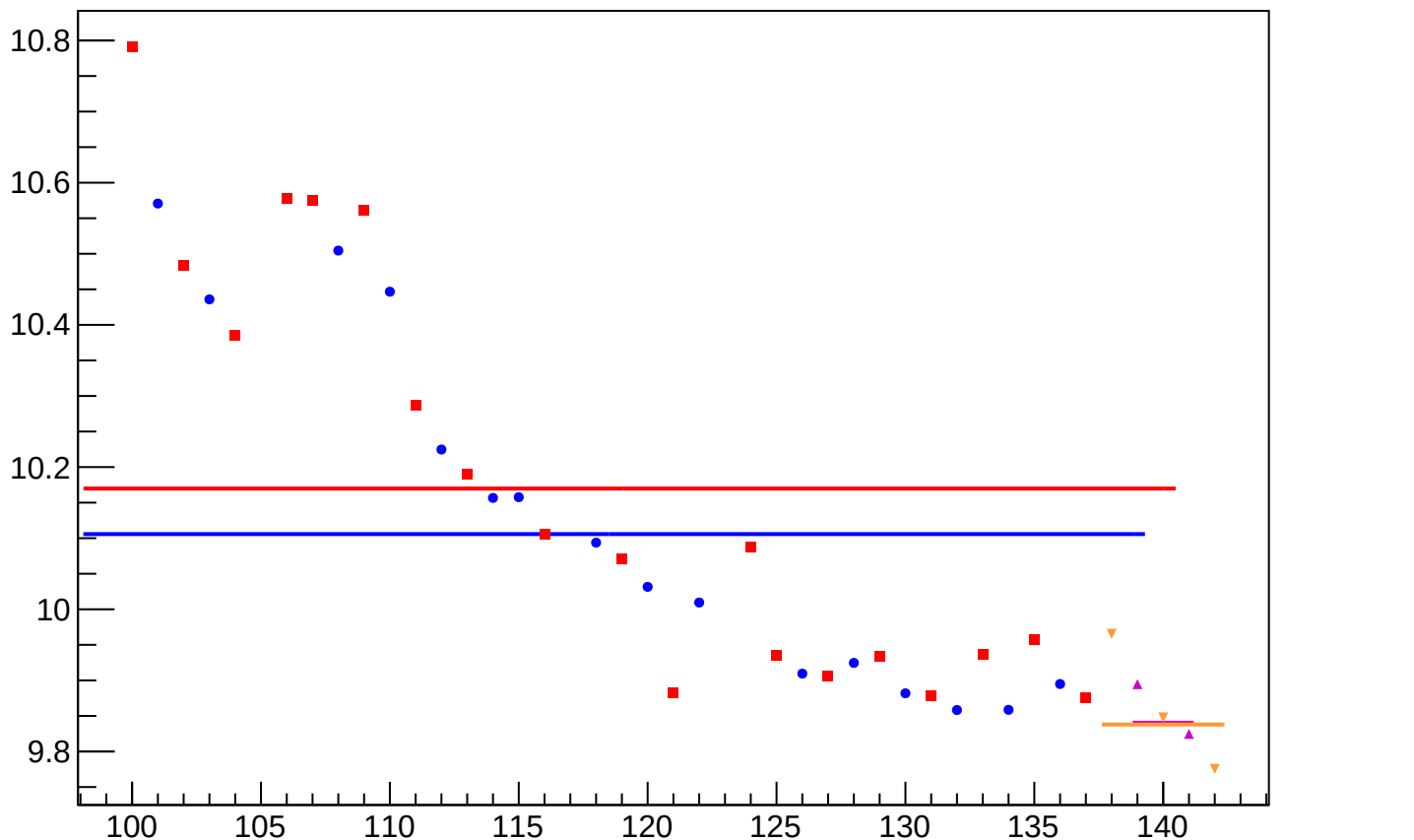
Left In: 0.003+/-0.000 χ^2/NDF :276970.4/1

+ sign 0.002+/-0.000 χ^2/NDF : 2305906.4/18

All: 0.002+/-0.000 χ^2/NDF : 5261020.4/39

- sign 0.002+/-0.000 χ^2/NDF : 2950798.5/20

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF : 9126550621.3/15

Left Out: 9.838+/-0.000 χ^2/NDF : 114587377.5/2

Right Out: 10.170+/-0.000 χ^2/NDF : 9135610954.1/18

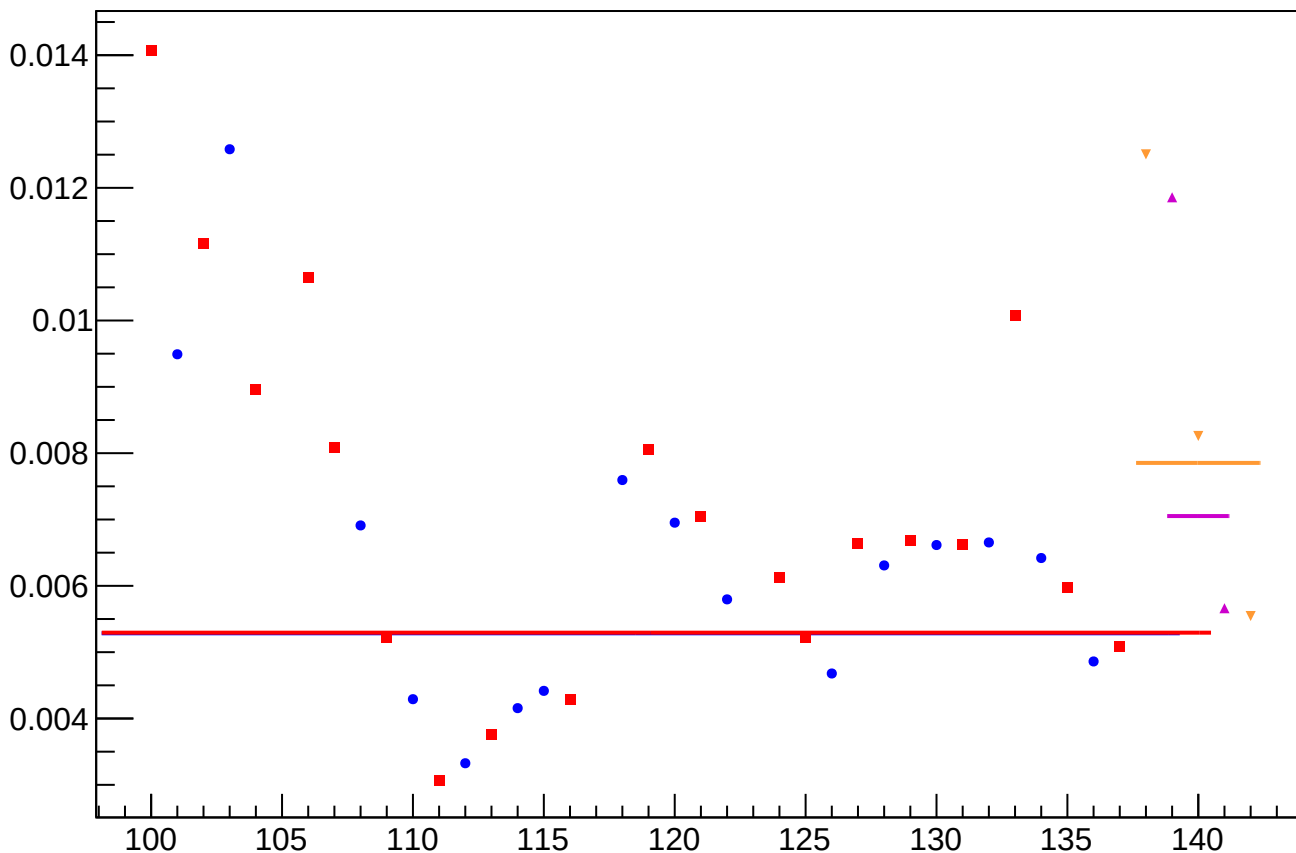
Left In: 9.840+/-0.000 χ^2/NDF : 21200876.0/1

+ sign 10.076+/-0.000 χ^2/NDF : 10774778678.3/18

All: 10.105+/-0.000 χ^2/NDF : 22681411512.6

- sign 10.133+/-0.000 χ^2/NDF : 11553912114.7/20

yield_sam8_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1274133.0/15

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:308515.7/2

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1792250.8/18

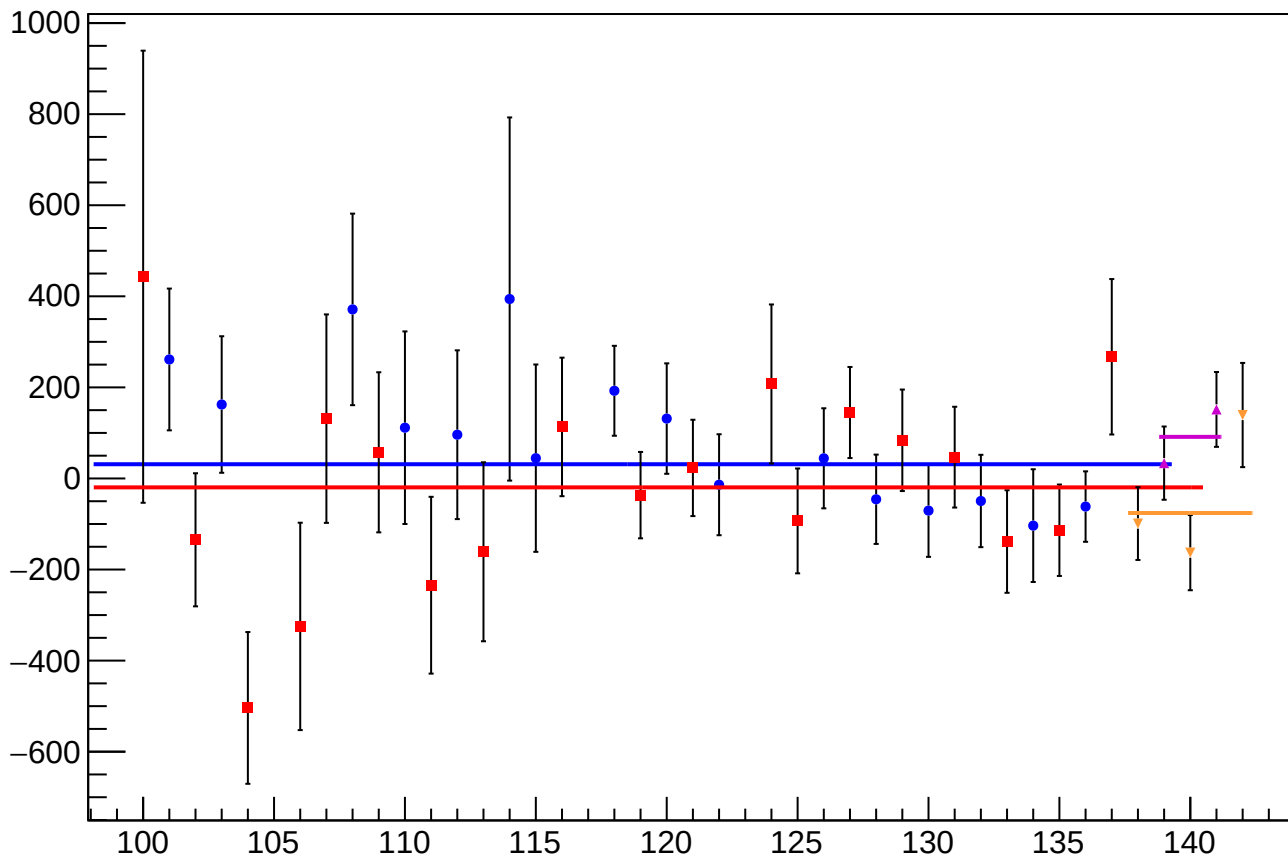
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:332480.4/1

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1864778.3/18

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4127431.3/39

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2261350.6/20

reg_asym_sam1_mean vs Slug



Right In: 31.249 $\pm$ 30.786 χ^2 /NDF: 15.1/15

Left Out: -75.831 $\pm$ 51.309 χ^2 /NDF: 4.7/2

Right Out: -19.573 $\pm$ 31.059 χ^2 /NDF: 25.9/18

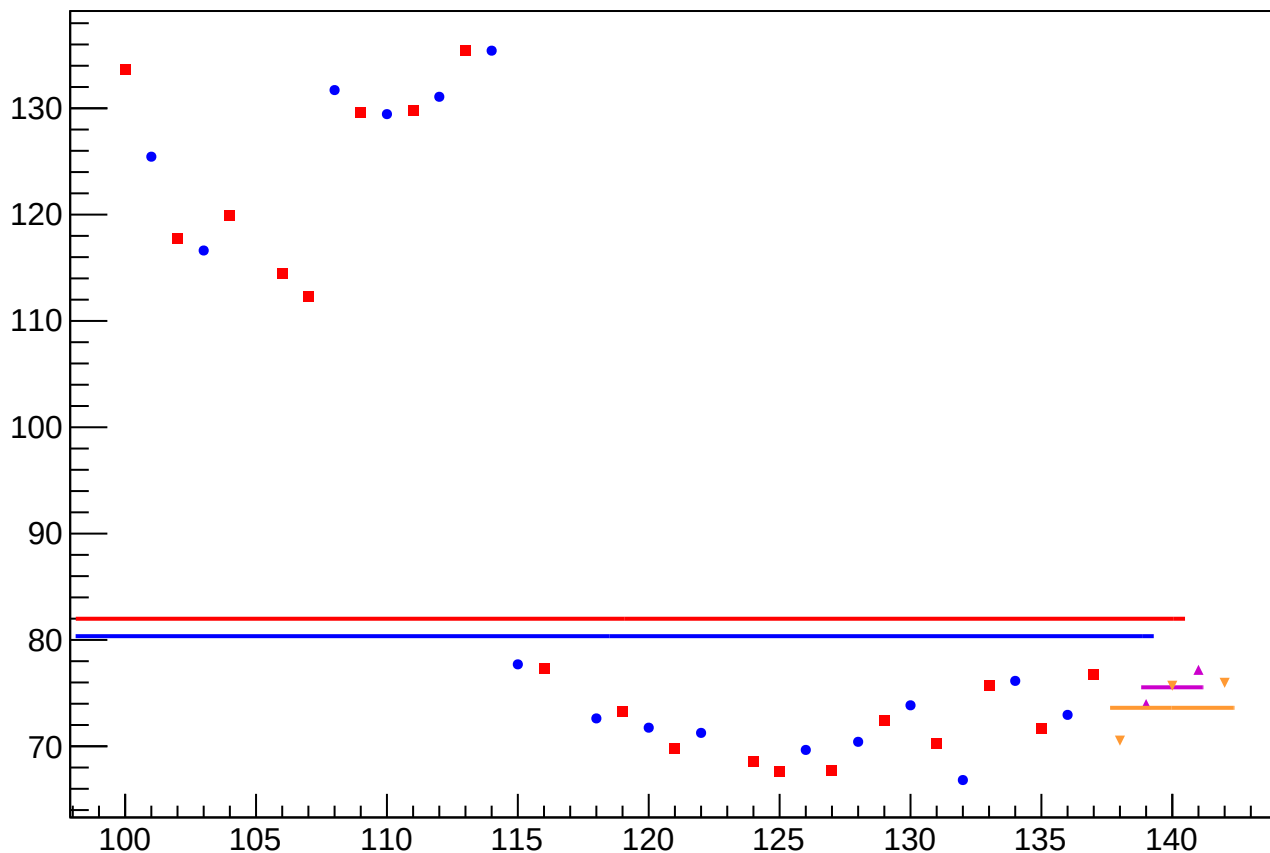
Left In: 91.349 $\pm$ 57.474 χ^2 /NDF: 1.1/1

+ sign 2.903 $\pm$ 26.399 χ^2 /NDF: 23.0/18

All: 4.156 $\pm$ 18.985 χ^2 /NDF: 52.9/39

- sign 5.498 $\pm$ 27.324 χ^2 /NDF: 29.8/20

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2 /NDF: 840039.5/15

Left Out: 73.616+/-0.036 χ^2 /NDF: 5095.2/2

Right Out: 81.993+/-0.022 χ^2 /NDF: 932337.7/18

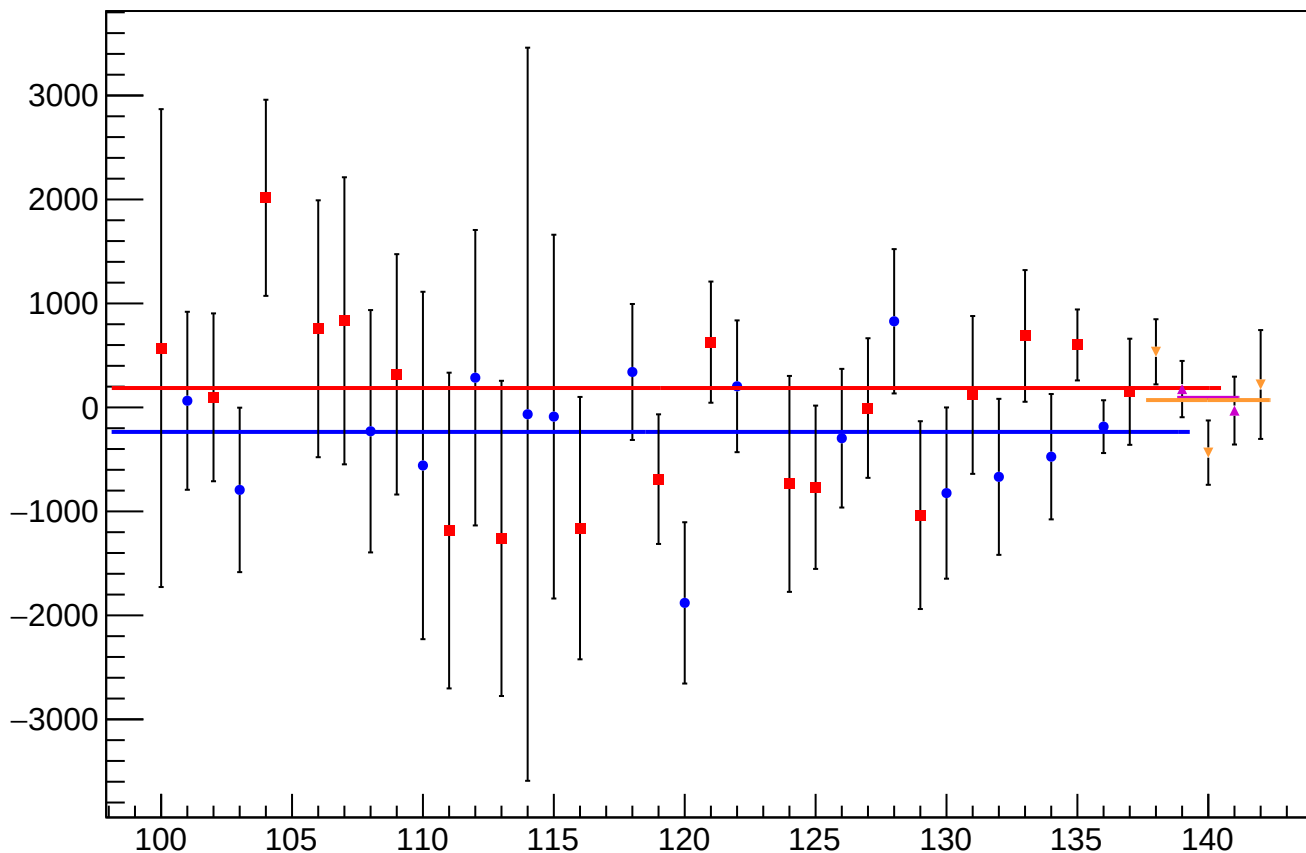
Left In: 75.545+/-0.041 χ^2 /NDF: 1568.0/1

+ sign 78.570+/-0.019 χ^2 /NDF: 870491.4/18

All: 79.519+/-0.013 χ^2 /NDF: 1829230.4/39

- sign 80.536+/-0.019 χ^2 /NDF: 953388.4/20

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521 ± 163.765 χ^2/NDF : 9.9/15

Left Out: 70.699 ± 202.920 χ^2/NDF : 4.9/2

Right Out: 186.618 ± 170.394 χ^2/NDF : 16.0/18

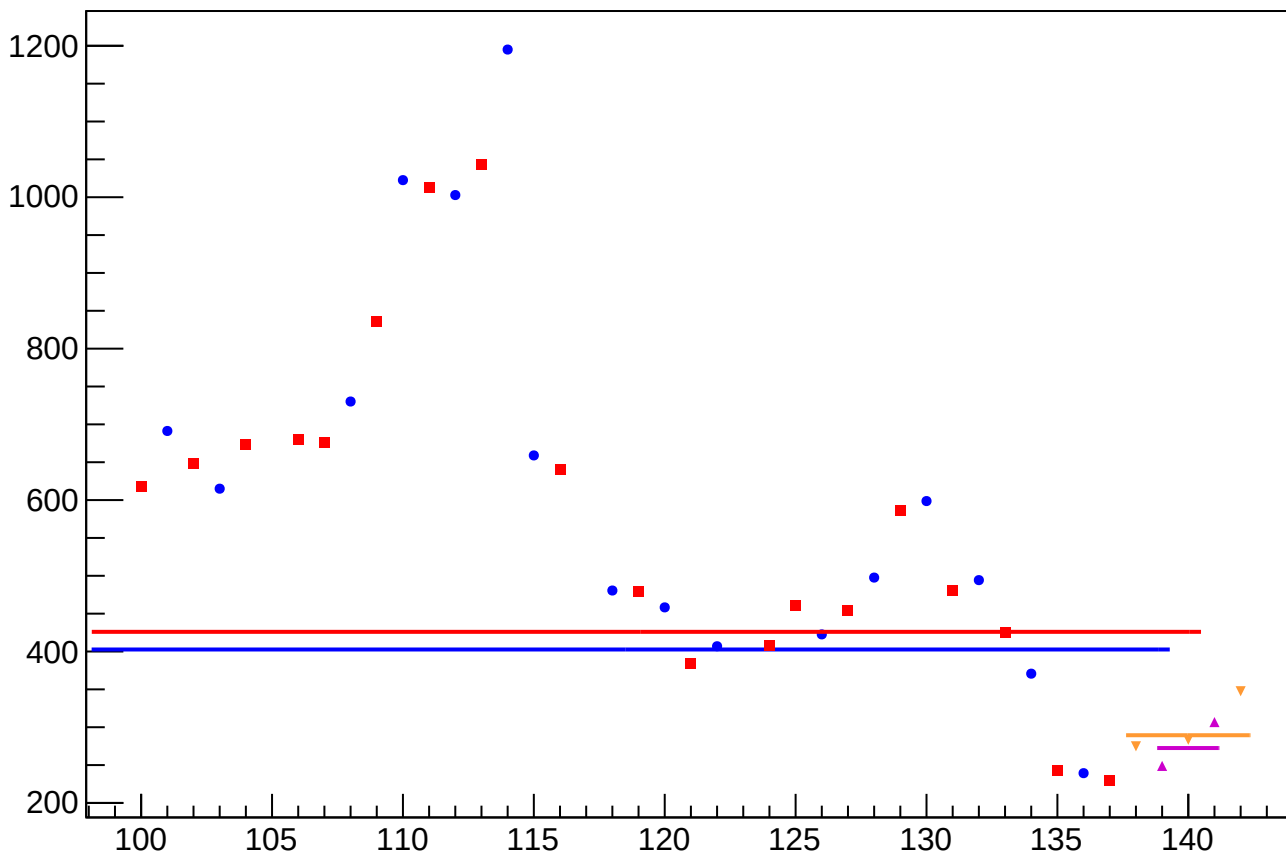
Left In: 92.033 ± 208.379 χ^2/NDF : 0.2/1

+ sign -114.741 ± 127.440 χ^2/NDF : 16.3/18

All: 12.450 ± 91.653 χ^2/NDF : 34.7/39

- sign 148.717 ± 131.908 χ^2/NDF : 16.3/20

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF : 2360092.2/15

Left Out: 289.427+/-0.143 χ^2/NDF : 29752.2/2

Right Out: 425.980+/-0.120 χ^2/NDF : 2368792.4/18

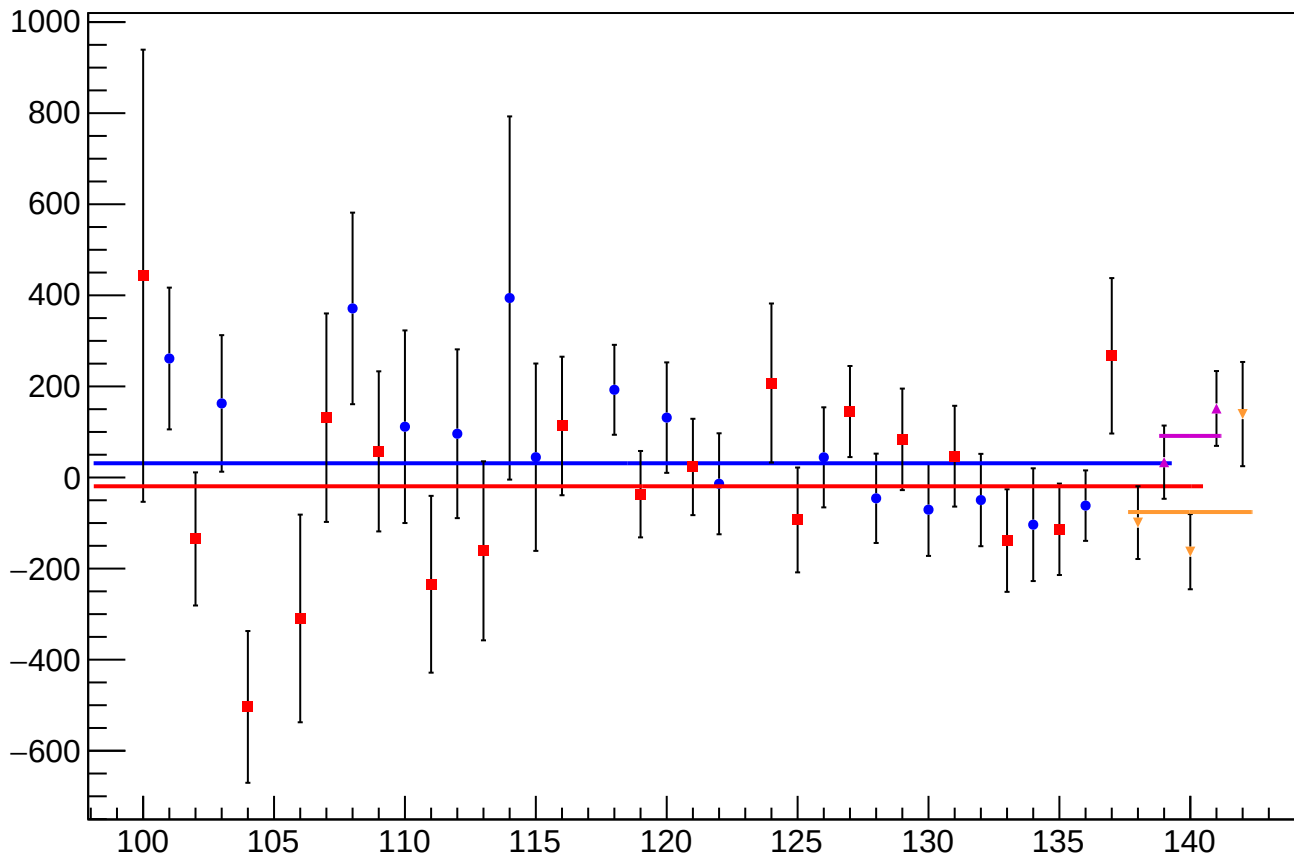
Left In: 272.510+/-0.147 χ^2/NDF : 37258.4/1

+ sign 357.997+/-0.090 χ^2/NDF : 2766966.4/18

All: 361.128+/-0.065 χ^2/NDF : 5825651.9/39

- sign 364.482+/-0.093 χ^2/NDF : 3056184.9/20

cor_asym_sam1_mean vs Slug



Right In: 31.260 $\pm$ 30.786 χ^2 /NDF: 15.1/15

Left Out: -75.828 $\pm$ 51.309 χ^2 /NDF: 4.7/2

Right Out: -19.282 $\pm$ 31.060 χ^2 /NDF: 25.7/18

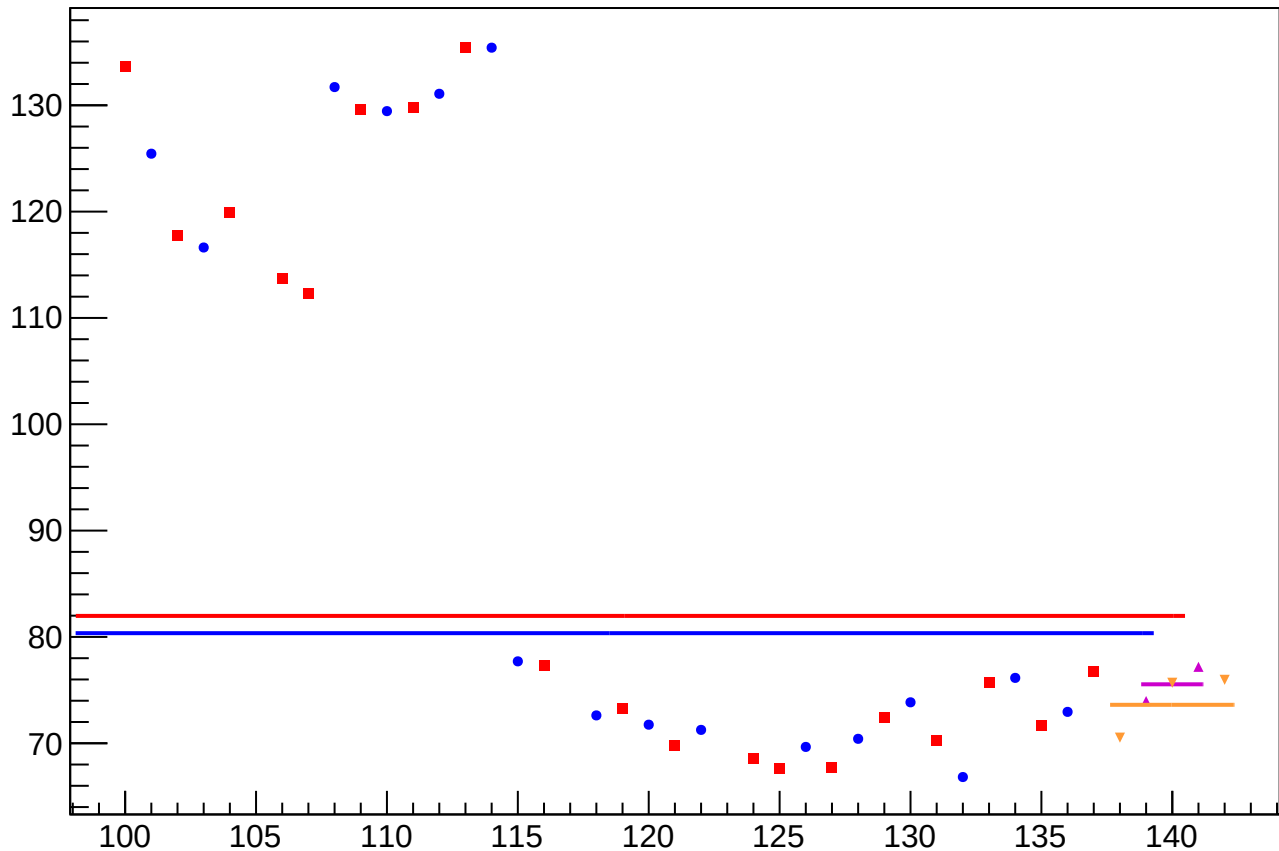
Left In: 91.346 $\pm$ 57.474 χ^2 /NDF: 1.1/1

+ sign 2.912 $\pm$ 26.399 χ^2 /NDF: 23.0/18

All: 4.269 $\pm$ 18.986 χ^2 /NDF: 52.7/39

- sign 5.724 $\pm$ 27.325 χ^2 /NDF: 29.6/20

cor_asym_sam1_rms vs Slug



Right In: 80.354 $\pm$ 0.022 χ^2 /NDF: 840039.7/15

Left Out: 73.616 $\pm$ 0.036 χ^2 /NDF: 5095.2/2

Right Out: 81.978 $\pm$ 0.022 χ^2 /NDF: 930466.5/18

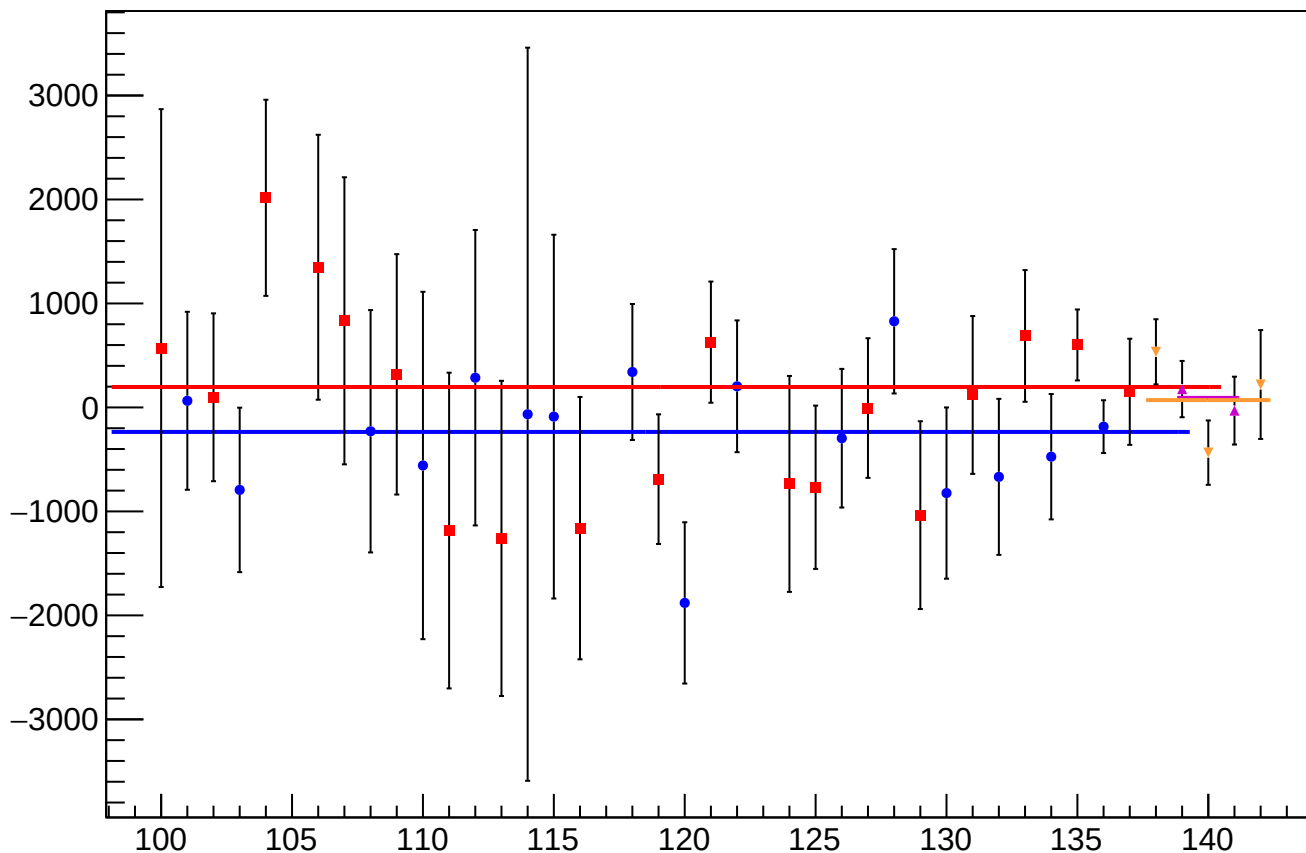
Left In: 75.545 $\pm$ 0.041 χ^2 /NDF: 1568.0/1

+ sign 78.570 $\pm$ 0.019 χ^2 /NDF: 870491.6/18

All: 79.513 $\pm$ 0.013 χ^2 /NDF: 1827204.6/39

- sign 80.524 $\pm$ 0.019 χ^2 /NDF: 951426.1/20

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519 ± 163.765 χ^2/NDF : 9.9/15

Left Out: 70.700 ± 202.920 χ^2/NDF : 4.9/2

Right Out: 196.579 ± 170.492 χ^2/NDF : 16.6/18

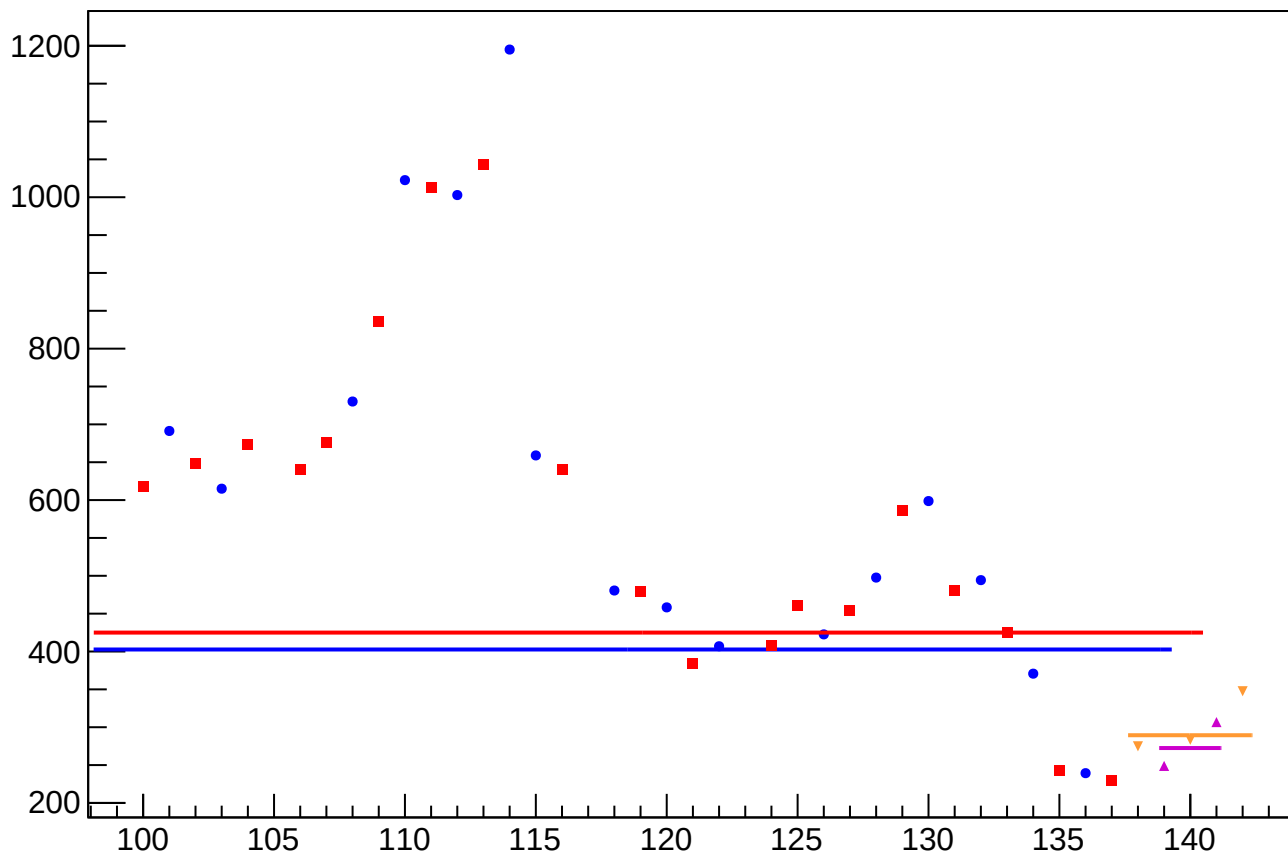
Left In: 92.033 ± 208.379 χ^2/NDF : 0.2/1

+ sign -114.739 ± 127.440 χ^2/NDF : 16.3/18

All: 15.273 ± 91.668 χ^2/NDF : 35.4/39

- sign 154.657 ± 131.954 χ^2/NDF : 17.0/20

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658 $\pm$ 0.116 χ^2/NDF : 2360087.3/15

Left Out: 289.426 $\pm$ 0.143 χ^2/NDF : 29752.7/2

Right Out: 424.988 $\pm$ 0.121 χ^2/NDF : 2341027.2/18

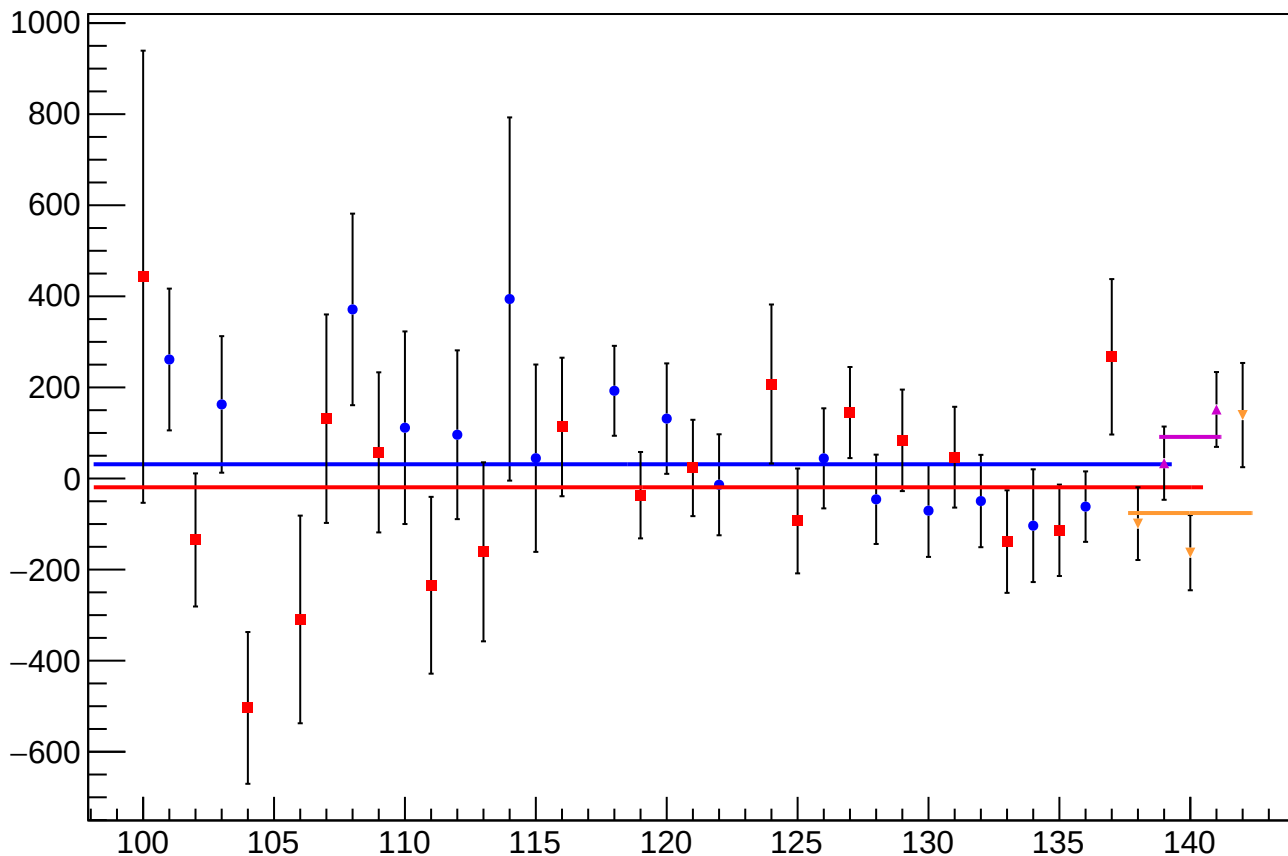
Left In: 272.509 $\pm$ 0.147 χ^2/NDF : 37257.5/1

+ sign 357.997 $\pm$ 0.090 χ^2/NDF : 2766967.9/18

All: 360.819 $\pm$ 0.065 χ^2/NDF : 5788750.9/39

- sign 363.845 $\pm$ 0.093 χ^2/NDF : 3019750.0/20

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260 $\pm$ 30.786 χ^2 /NDF: 15.1/15

Left Out: -75.828 $\pm$ 51.309 χ^2 /NDF: 4.7/2

Right Out: -19.282 $\pm$ 31.060 χ^2 /NDF: 25.7/18

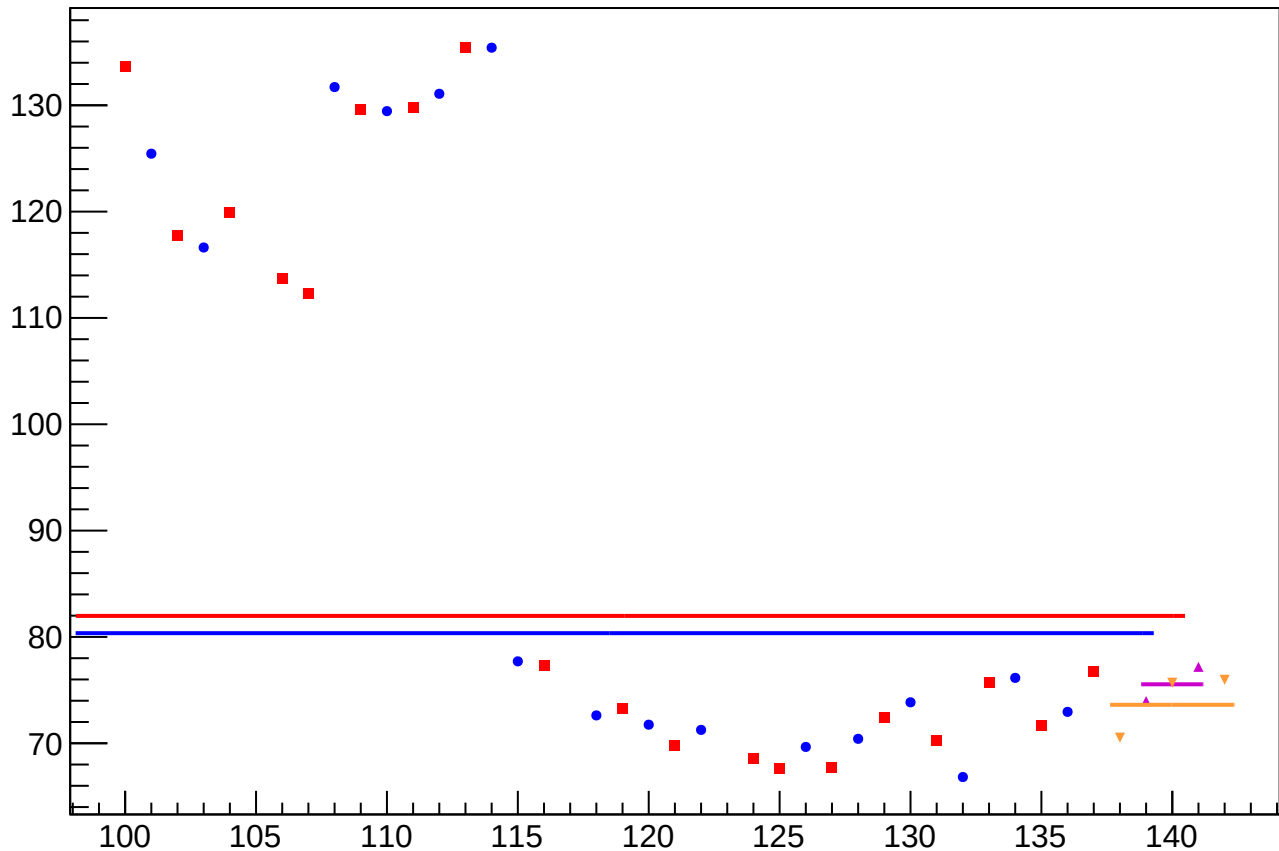
Left In: 91.346 $\pm$ 57.474 χ^2 /NDF: 1.1/1

+ sign 2.912 $\pm$ 26.399 χ^2 /NDF: 23.0/18

All: 4.269 $\pm$ 18.986 χ^2 /NDF: 52.7/39

- sign 5.724 $\pm$ 27.325 χ^2 /NDF: 29.6/20

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354 $\pm$ 0.022 χ^2 /NDF: 840039.7/15

Left Out: 73.616 $\pm$ 0.036 χ^2 /NDF: 5095.2/2

Right Out: 81.978 $\pm$ 0.022 χ^2 /NDF: 930466.5/18

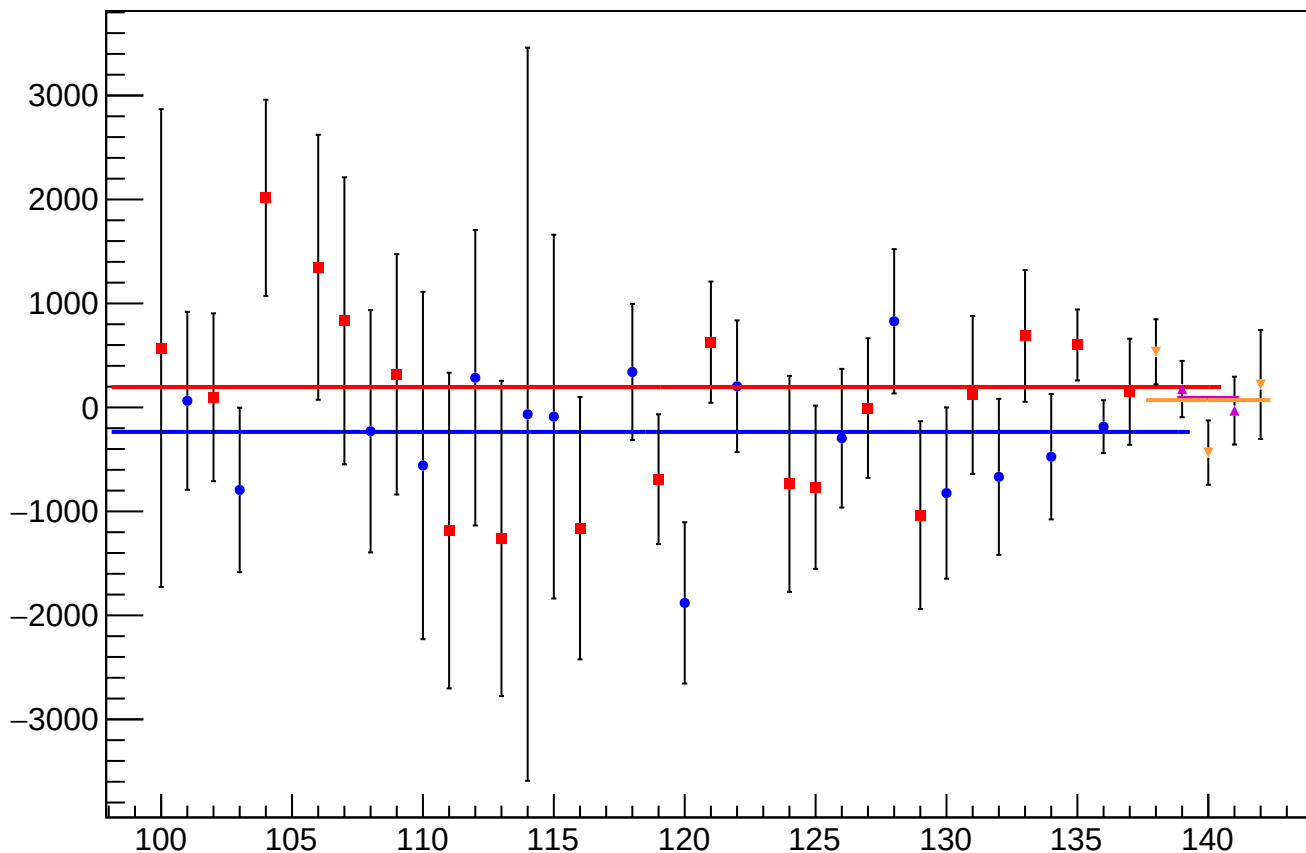
Left In: 75.545 $\pm$ 0.041 χ^2 /NDF: 1568.0/1

+ sign 78.570 $\pm$ 0.019 χ^2 /NDF: 870491.6/18

All: 79.513 $\pm$ 0.013 χ^2 /NDF: 1827204.6/39

- sign 80.524 $\pm$ 0.019 χ^2 /NDF: 951426.1/20

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519 ± 163.765 χ^2/NDF : 9.9/15

Left Out: 70.700 ± 202.920 χ^2/NDF : 4.9/2

Right Out: 196.579 ± 170.492 χ^2/NDF : 16.6/18

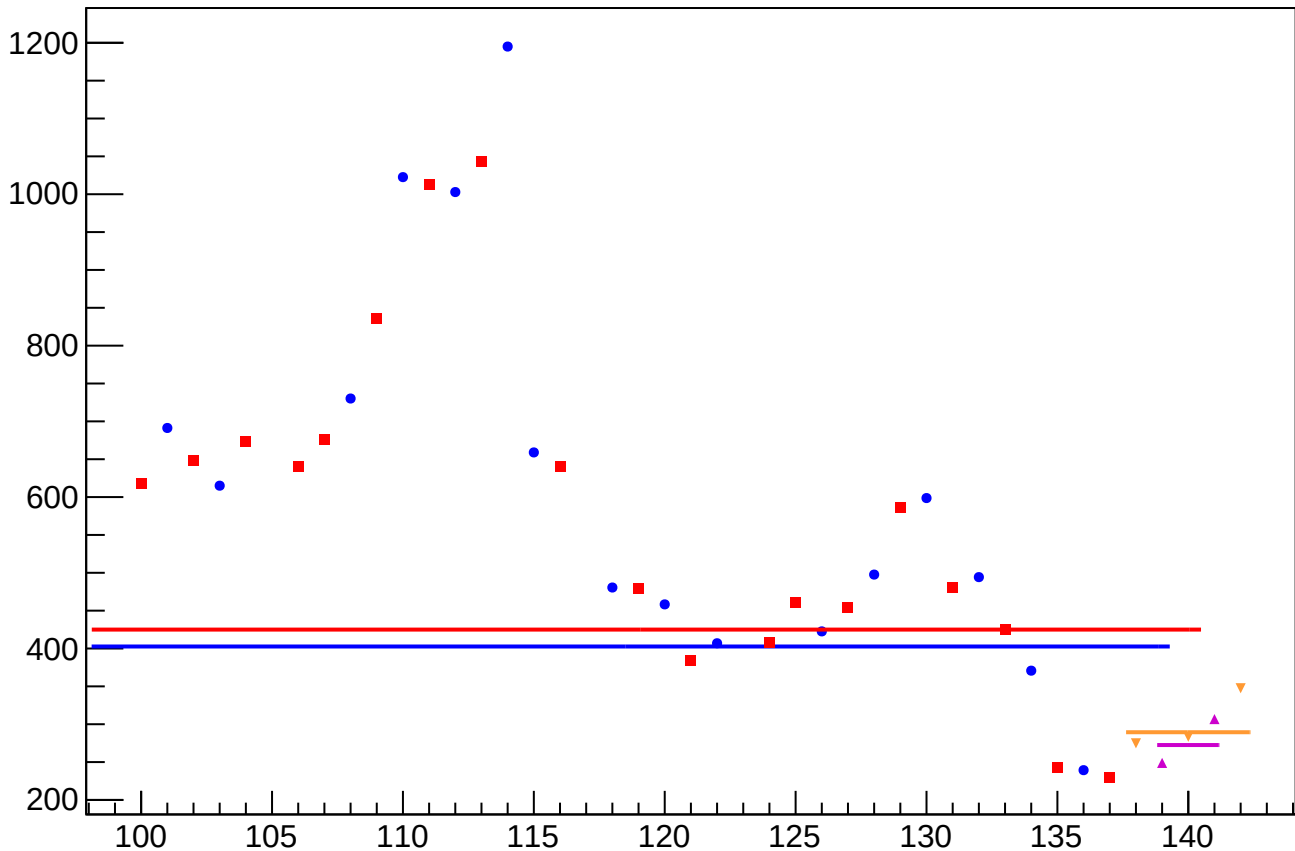
Left In: 92.033 ± 208.379 χ^2/NDF : 0.2/1

+ sign -114.739 ± 127.440 χ^2/NDF : 16.3/18

All: 15.273 ± 91.668 χ^2/NDF : 35.4/39

- sign 154.657 ± 131.954 χ^2/NDF : 17.0/20

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658 $\pm$ 0.116 χ^2/NDF : 2360087.3/15

Left Out: 289.426 $\pm$ 0.143 χ^2/NDF : 29752.7/2

Right Out: 424.988 $\pm$ 0.121 χ^2/NDF : 2341027.2/18

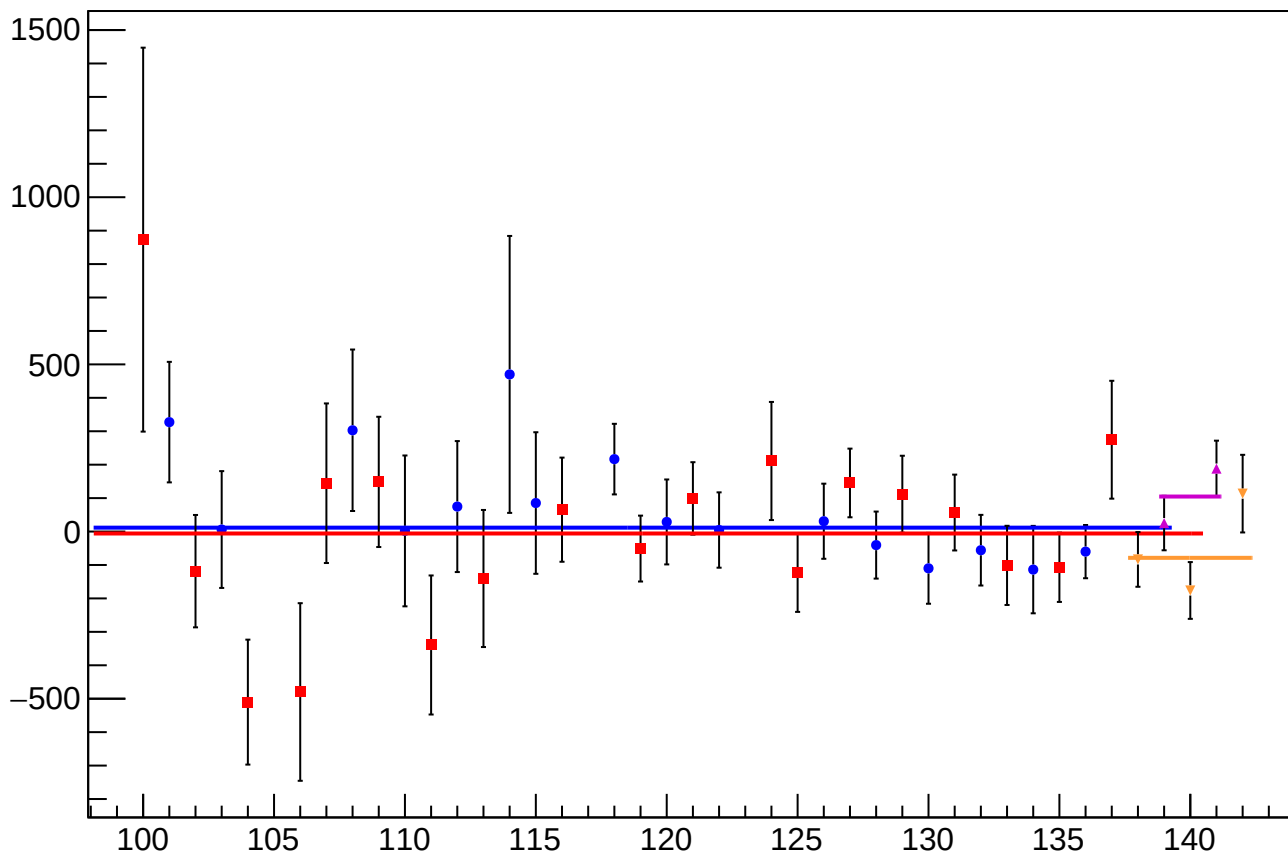
Left In: 272.509 $\pm$ 0.147 χ^2/NDF : 37257.5/1

+ sign 357.997 $\pm$ 0.090 χ^2/NDF : 2766967.9/18

All: 360.819 $\pm$ 0.065 χ^2/NDF : 5788750.9/39

- sign 363.845 $\pm$ 0.093 χ^2/NDF : 3019750.0/20

dit_asym_sam1_mean vs Slug



Right In: 11.651 $\pm$ 32.297 χ^2 /NDF: 13.5/15

Left Out: -78.625 $\pm$ 52.545 χ^2 /NDF:4.1/2

Right Out: -5.817 $\pm$ 32.444 χ^2 /NDF: 28.8/18

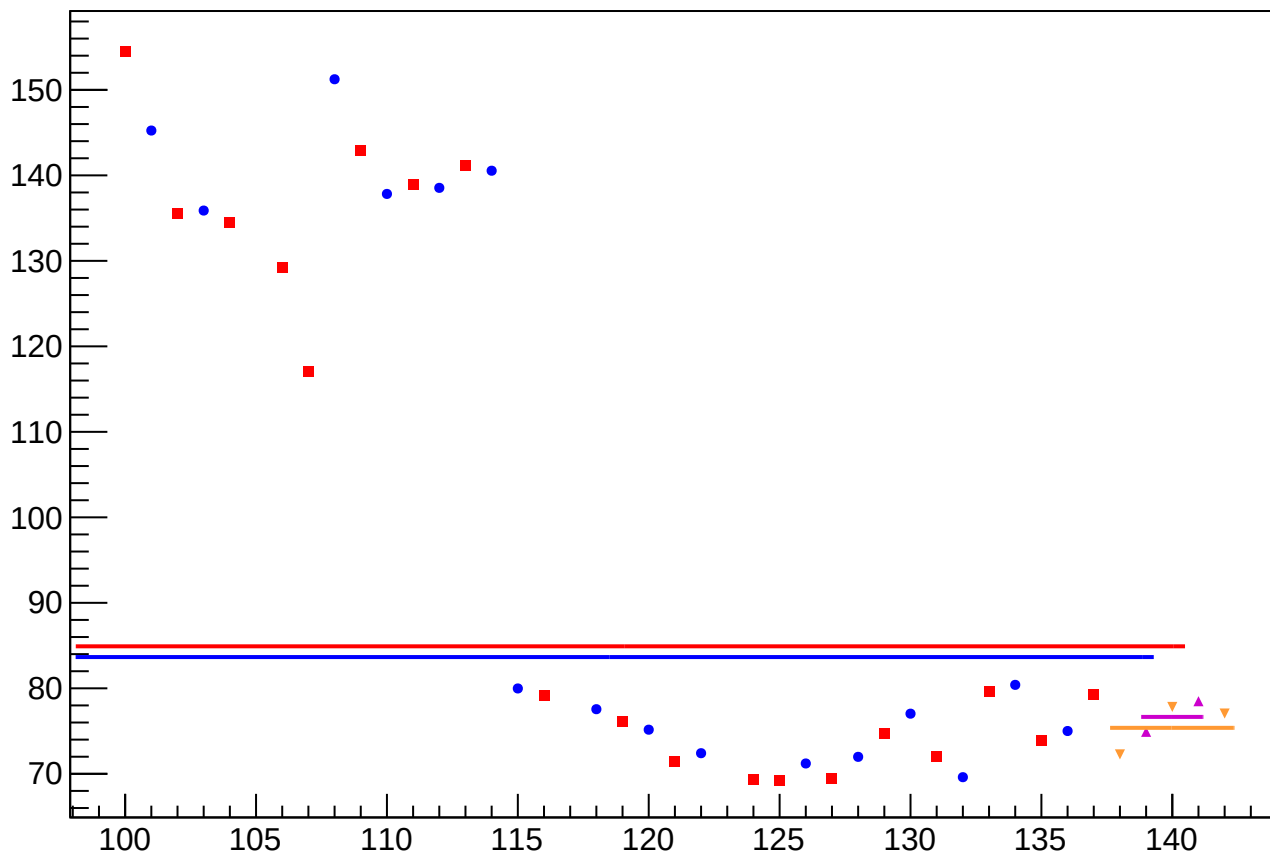
Left In: 104.722 $\pm$ 58.327 χ^2 /NDF:1.9/1

+ sign -13.103 $\pm$ 27.515 χ^2 /NDF: 19.7/18

All: 3.099 $\pm$ 19.746 χ^2 /NDF: 53.9/39

- sign 20.302 $\pm$ 28.353 χ^2 /NDF: 33.5/20

dit_asym_sam1_rms vs Slug



Right In: 83.657 $\pm$ 0.023 χ^2 /NDF: 1034794.6/15

Left Out: 75.378 $\pm$ 0.037 χ^2 /NDF: 4954.3/2

Right Out: 84.913 $\pm$ 0.023 χ^2 /NDF: 1121669.5/18

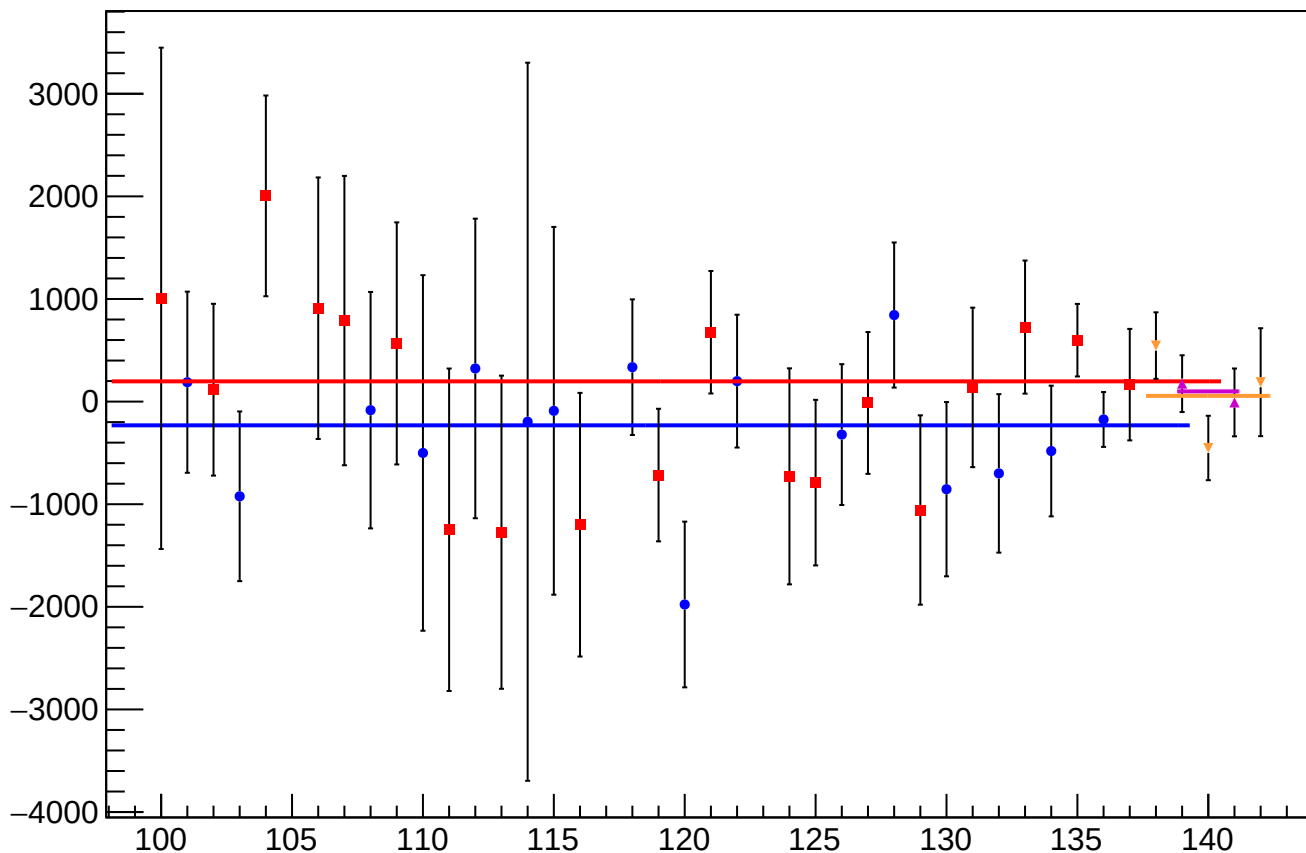
Left In: 76.657 $\pm$ 0.041 χ^2 /NDF: 1881.0/1

+ sign 81.387 $\pm$ 0.019 χ^2 /NDF: 1075787.7/18

All: 82.151 $\pm$ 0.014 χ^2 /NDF: 2233122.3/39

- sign 82.962 $\pm$ 0.020 χ^2 /NDF: 1154154.9/20

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407 ± 170.133 χ^2/NDF : 10.4/15

Left Out: 55.758 ± 207.239 χ^2/NDF : 5.0/2

Right Out: 197.206 ± 176.091 χ^2/NDF : 15.9/18

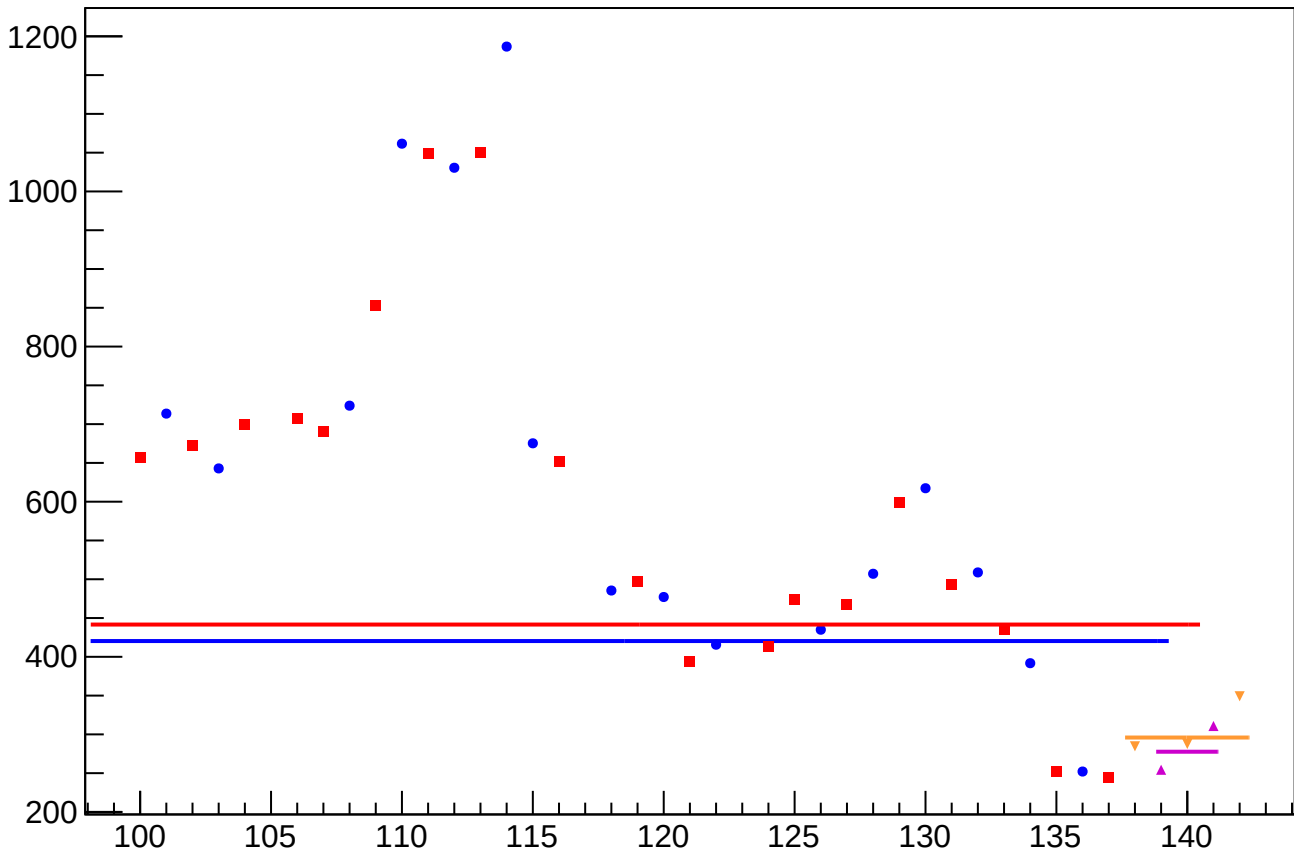
Left In: 99.424 ± 212.166 χ^2/NDF : 0.2/1

+ sign -115.790 ± 131.497 χ^2/NDF : 16.5/18

All: 16.671 ± 94.366 χ^2/NDF : 34.8/39

- sign 157.323 ± 135.501 χ^2/NDF : 16.2/20

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF : 2254610.0/15

Left Out: 295.937+/-0.147 χ^2/NDF : 24300.6/2

Right Out: 441.598+/-0.125 χ^2/NDF : 2307588.5/18

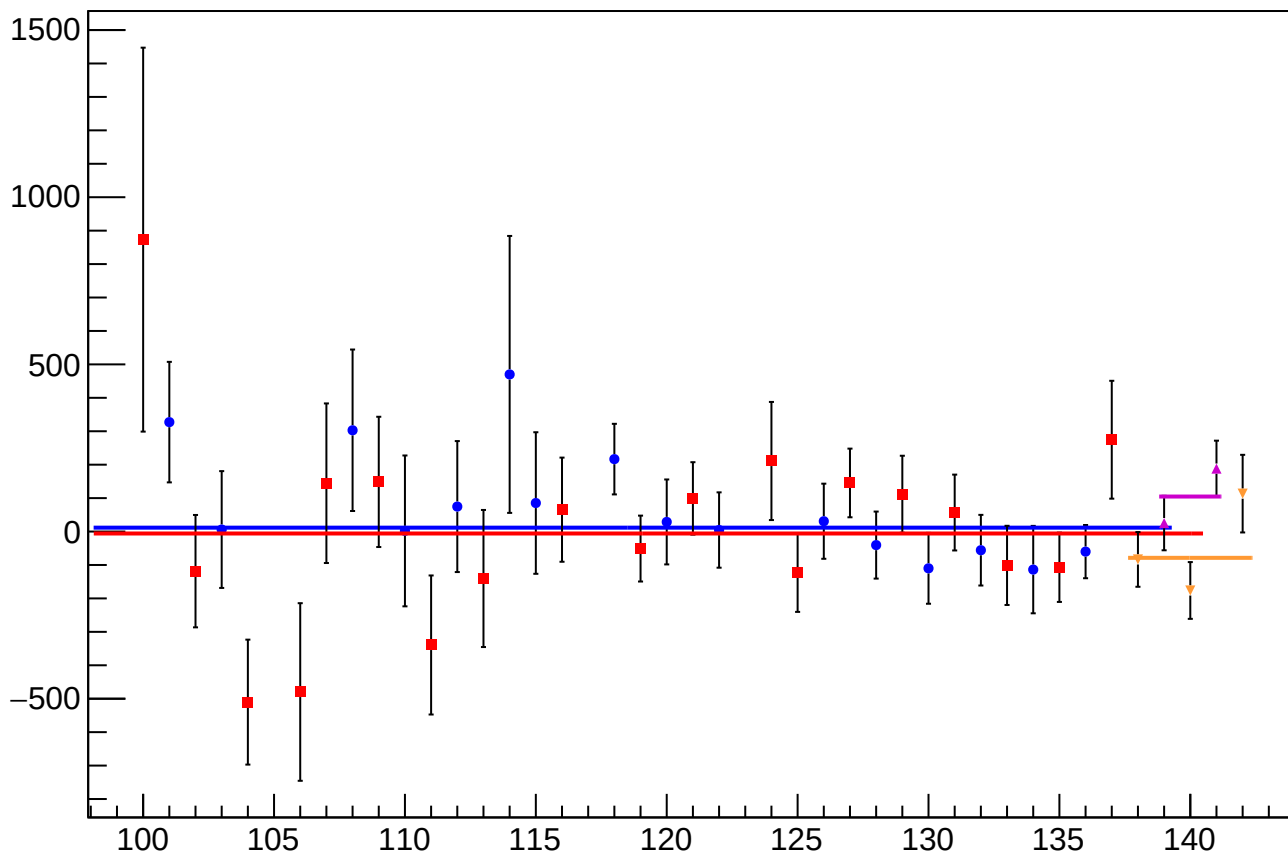
Left In: 277.637+/-0.150 χ^2/NDF : 34260.6/1

+ sign 370.247+/-0.093 χ^2/NDF : 2709366.3/18

All: 372.417+/-0.067 χ^2/NDF : 5759576.3/39

- sign 374.722+/-0.096 χ^2/NDF : 3049086.9/20

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652 $\pm$ 32.297 χ^2 /NDF: 13.5/15

Left Out: -78.626 $\pm$ 52.545 χ^2 /NDF: 4.1/2

Right Out: -5.816 $\pm$ 32.444 χ^2 /NDF: 28.8/18

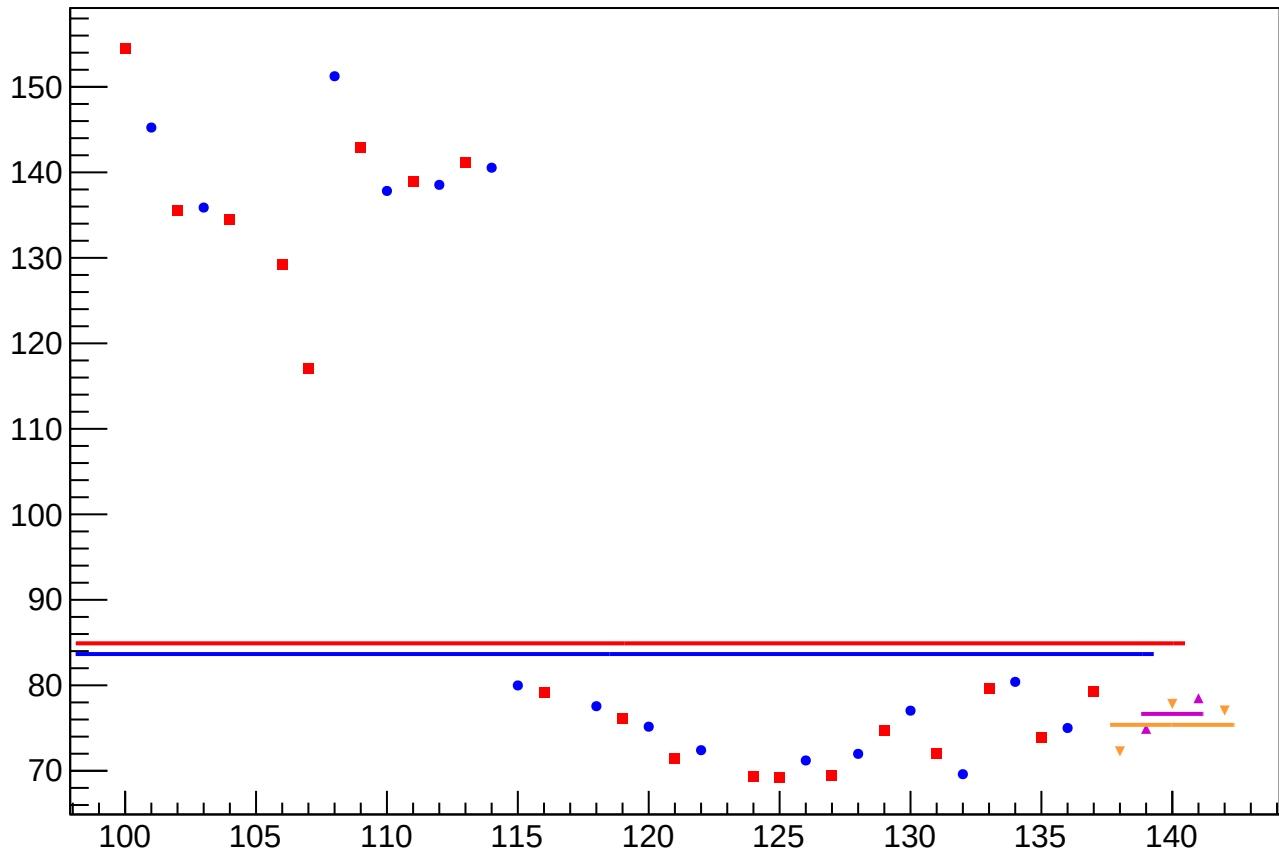
Left In: 104.722 $\pm$ 58.327 χ^2 /NDF: 1.9/1

+ sign -13.103 $\pm$ 27.515 χ^2 /NDF: 19.7/18

All: 3.099 $\pm$ 19.746 χ^2 /NDF: 53.9/39

- sign 20.303 $\pm$ 28.353 χ^2 /NDF: 33.5/20

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657 $\pm$ 0.023 χ^2 /NDF: 1034794.1/15

Left Out: 75.378 $\pm$ 0.037 χ^2 /NDF: 4954.3/2

Right Out: 84.913 $\pm$ 0.023 χ^2 /NDF: 1121668.5/18

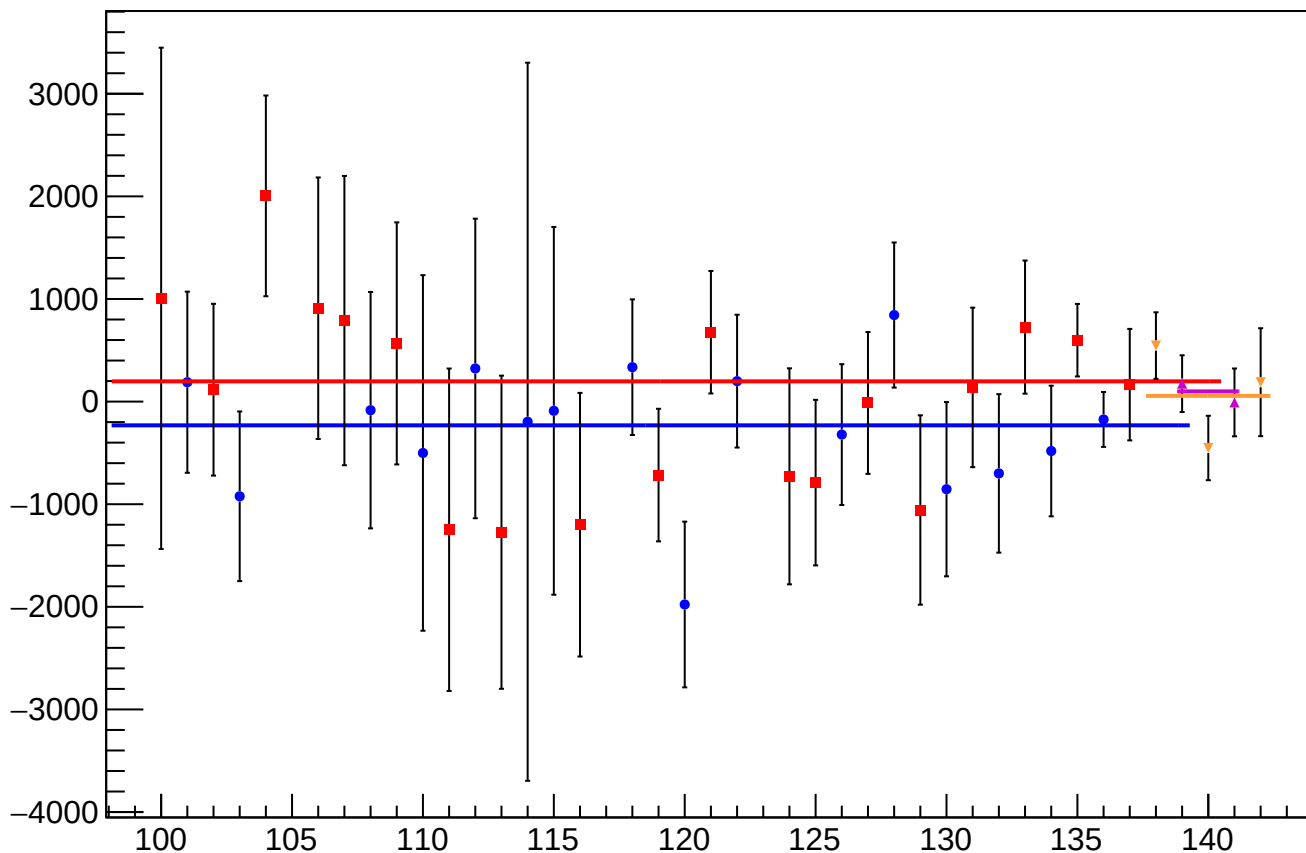
Left In: 76.657 $\pm$ 0.041 χ^2 /NDF: 1881.1/1

+ sign 81.387 $\pm$ 0.019 χ^2 /NDF: 1075786.7/18

All: 82.151 $\pm$ 0.014 χ^2 /NDF: 2233119.7/39

- sign 82.962 $\pm$ 0.020 χ^2 /NDF: 1154153.4/20

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405 ± 170.132 $\chi^2/\text{NDF}: 10.4/15$

Left Out: 55.757 ± 207.238 $\chi^2/\text{NDF}: 5.0/2$

Right Out: 197.207 ± 176.091 $\chi^2/\text{NDF}: 15.9/18$

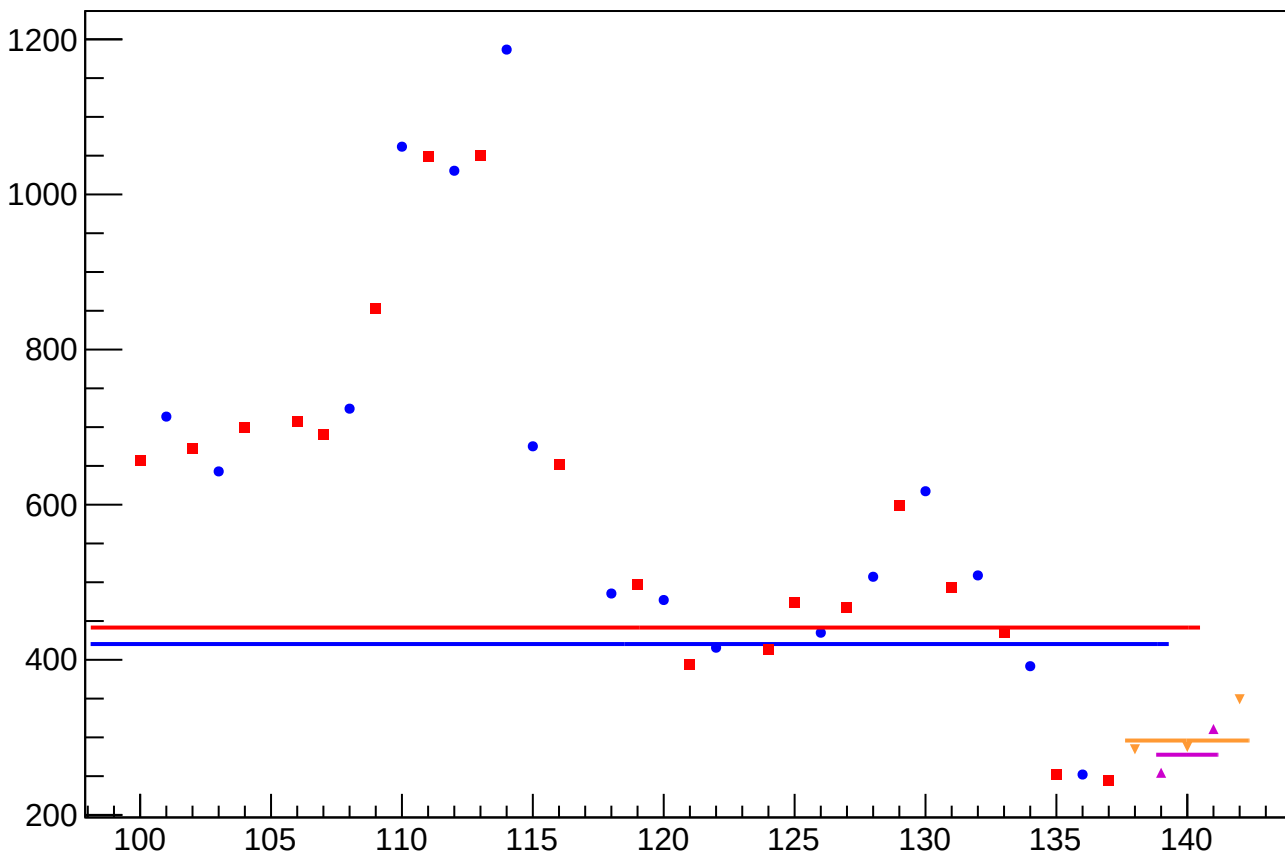
Left In: 99.424 ± 212.166 $\chi^2/\text{NDF}: 0.2/1$

+ sign -115.789 ± 131.497 $\chi^2/\text{NDF}: 16.5/18$

All: 16.672 ± 94.366 $\chi^2/\text{NDF}: 34.8/39$

- sign 157.323 ± 135.501 $\chi^2/\text{NDF}: 16.2/20$

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF : 2254614.9/15

Left Out: 295.937+/-0.147 χ^2/NDF : 24300.2/2

+ sign 370.247+/-0.093 χ^2/NDF : 2709369.0/18

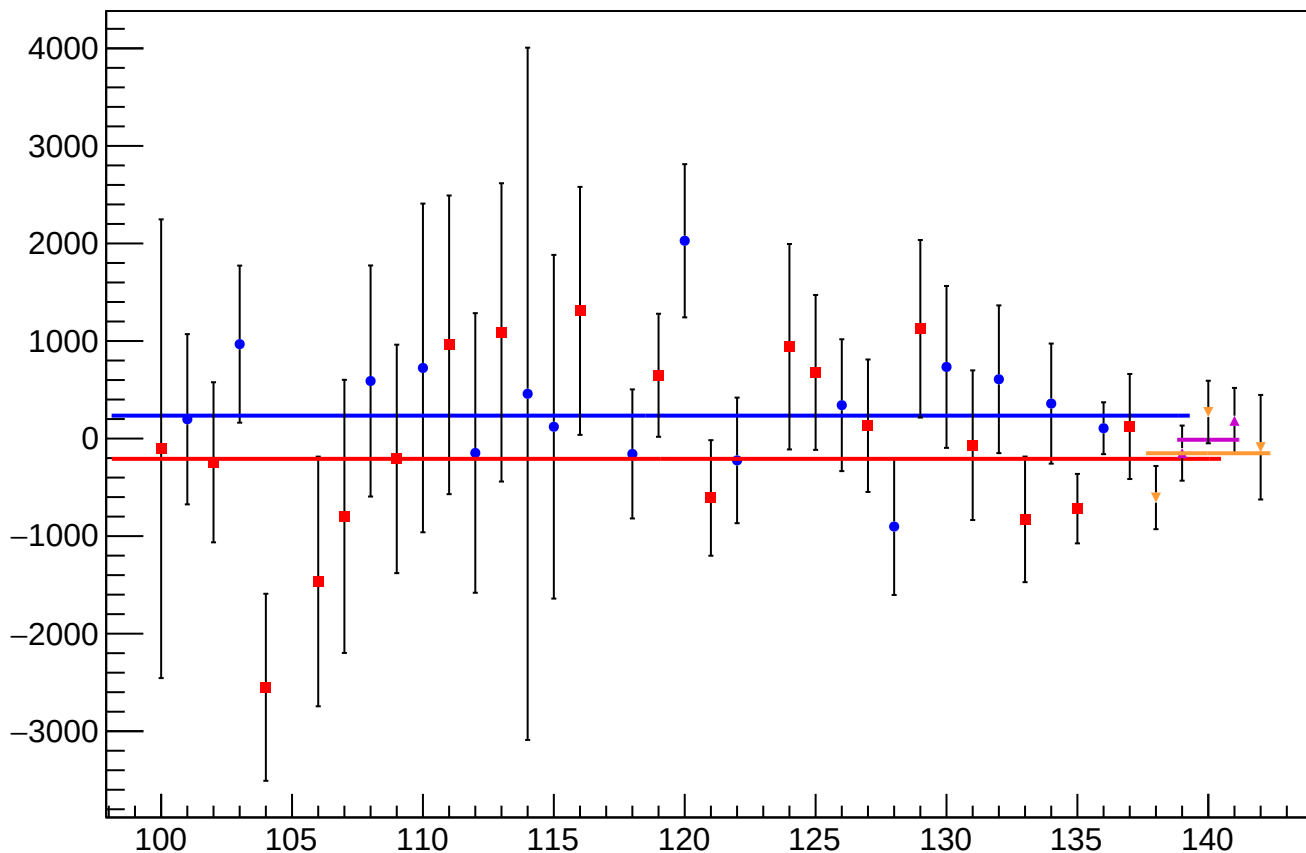
Right Out: 441.597+/-0.125 χ^2/NDF : 2307595.1/18

All: 372.417+/-0.067 χ^2/NDF : 5759582.4/39

- sign 374.721+/-0.096 χ^2/NDF : 3049090.4/20

Left In: 277.637+/-0.150 χ^2/NDF : 34260.8/1

asym_sam1_mean vs Slug



Right In: 235.054 $\pm$ 168.199 χ^2 /NDF: 10.7/15

Left Out: -150.572 $\pm$ 209.700 χ^2 /NDF:3.7/2

Right Out: -207.936 $\pm$ 174.716 χ^2 /NDF: 20.4/18

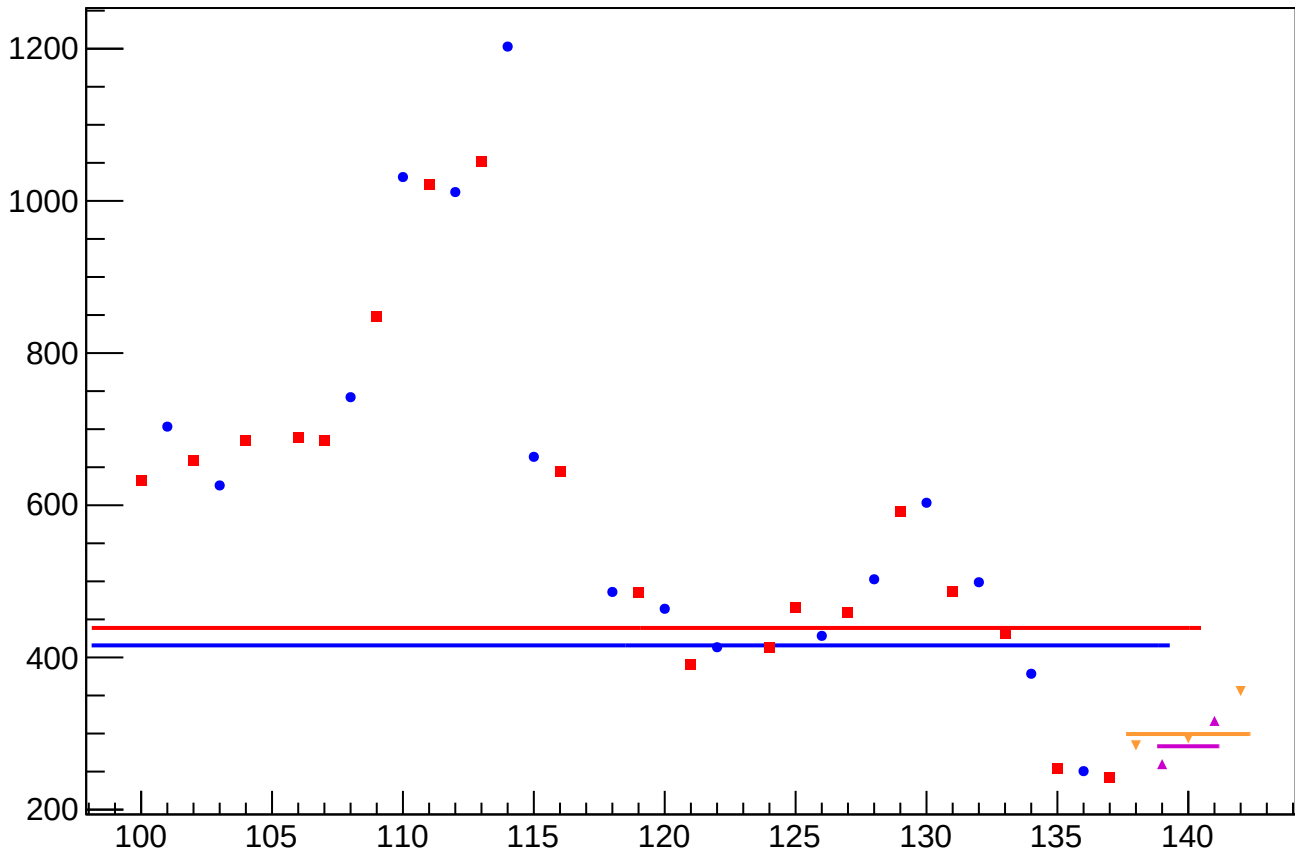
Left In: -12.190 $\pm$ 216.464 χ^2 /NDF:0.6/1

+ sign 84.086 $\pm$ 131.207 χ^2 /NDF: 16.5/18

All: -19.500 $\pm$ 94.412 χ^2 /NDF: 39.2/39

- sign -130.718 $\pm$ 135.956 χ^2 /NDF: 21.4/20

asym_sam1_rms vs Slug



Right In: 415.840 $\pm$ 0.119 χ^2 /NDF: 2223949.6/15

Left Out: 299.340 $\pm$ 0.148 χ^2 /NDF: 27055.0/2

Right Out: 438.773 $\pm$ 0.124 χ^2 /NDF: 2234776.6/18

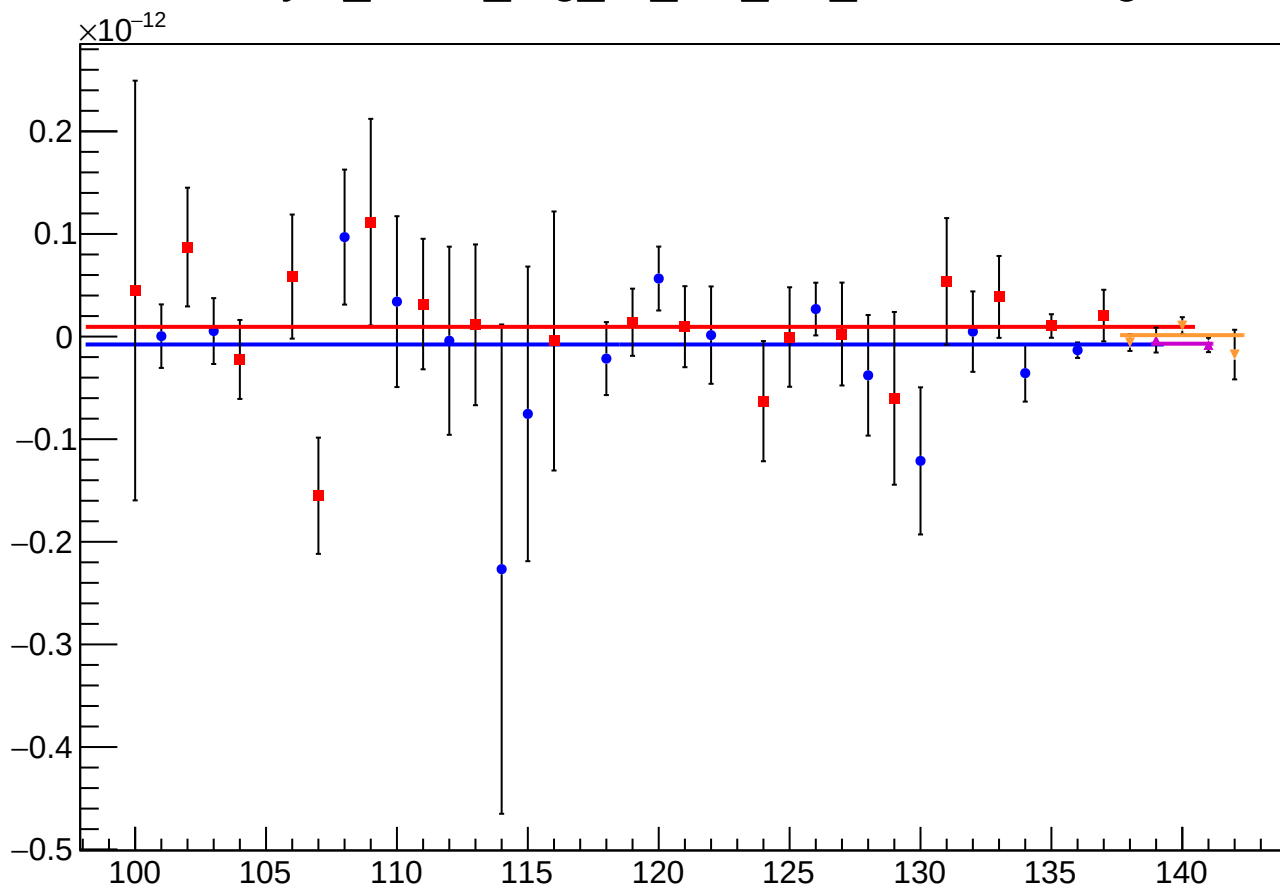
Left In: 283.283 $\pm$ 0.153 χ^2 /NDF: 33376.5/1

+ sign 370.231 $\pm$ 0.093 χ^2 /NDF: 2626624.8/18

All: 373.706 $\pm$ 0.067 χ^2 /NDF: 5522558.8/39

- sign 377.436 $\pm$ 0.096 χ^2 /NDF: 2893026.2/20

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 : 2.6/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.3/18

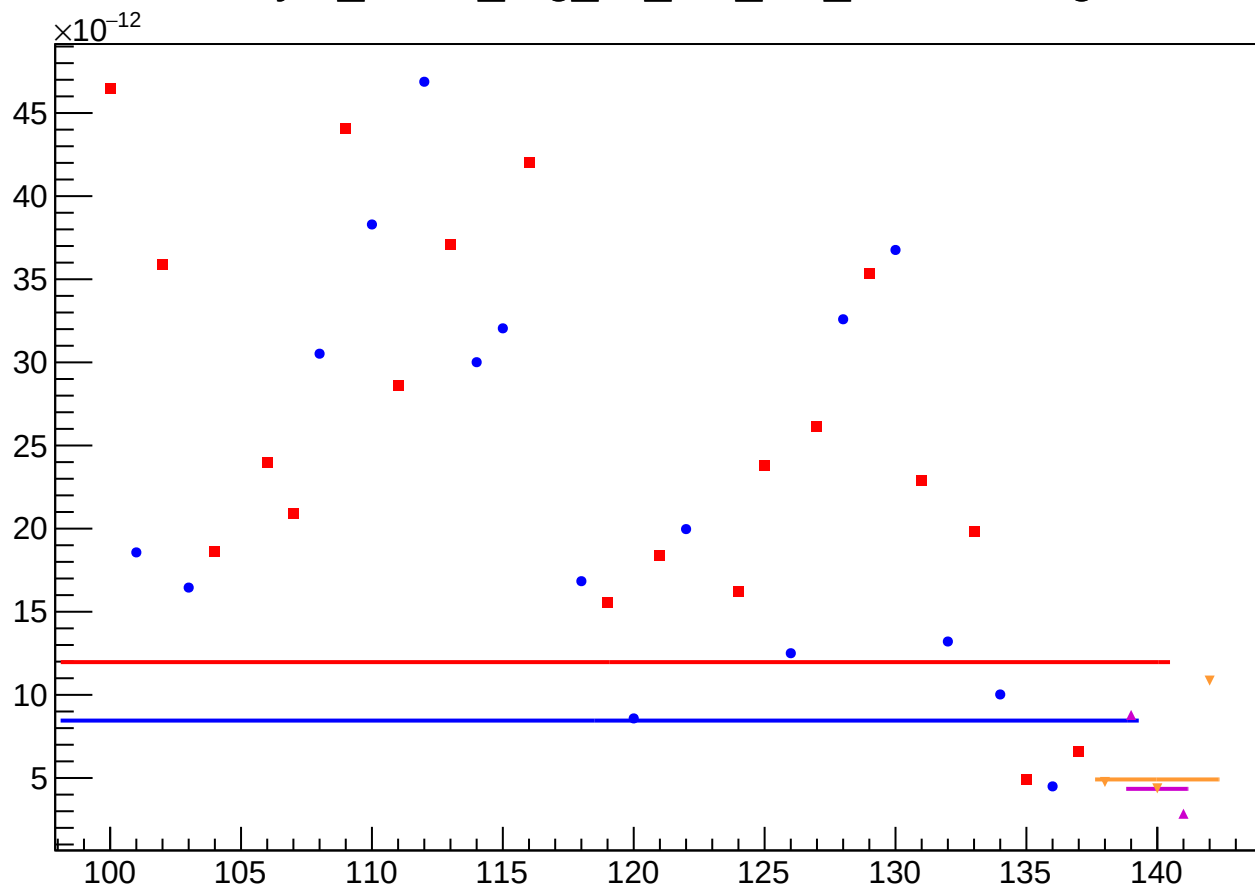
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 18.6/18

All: -0.000 ± 0.000 χ^2/NDF : 37.7/39

- sign -0.000 ± 0.000 χ^2/NDF : 19.0/20

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 :130114.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2760154.9/18

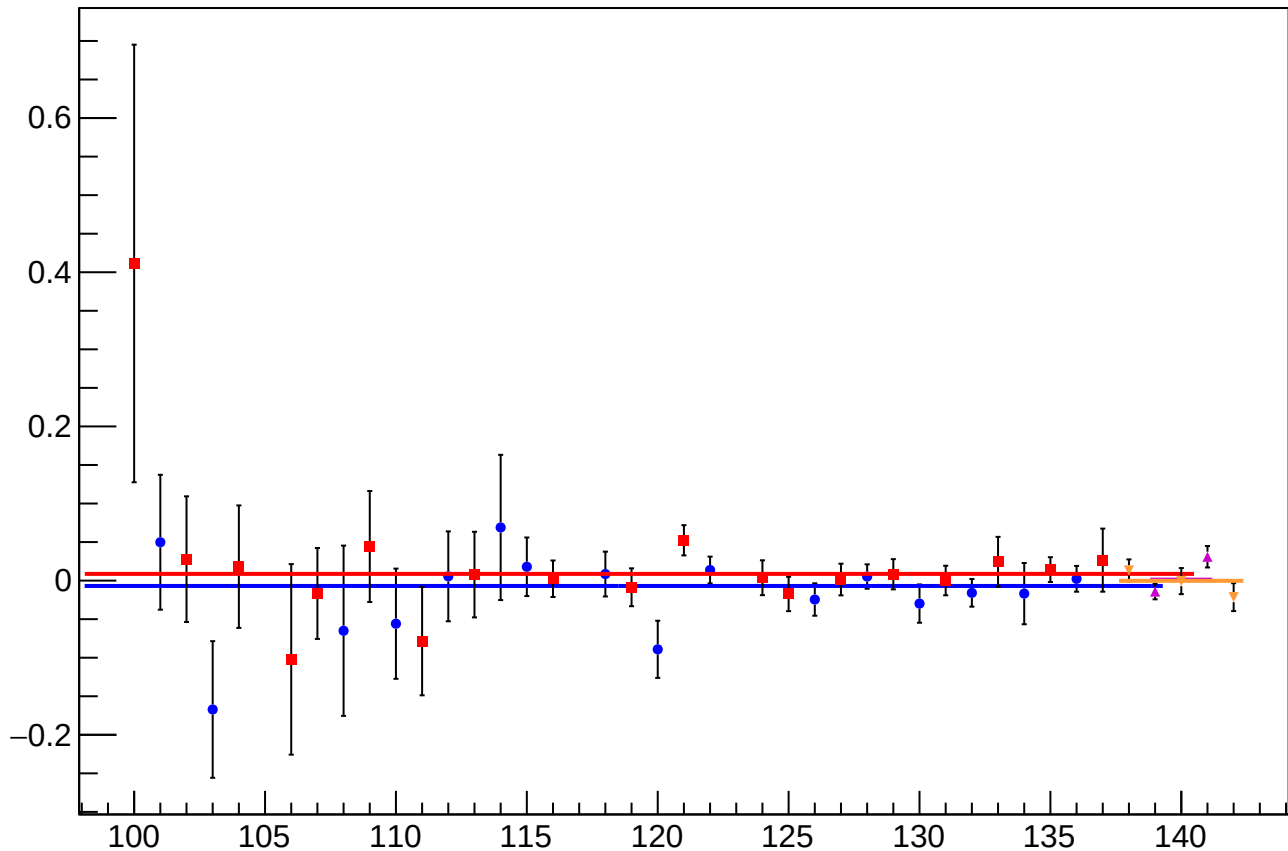
Left In: 0.000+/-0.000 χ^2/NDF :360168.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 3244177.1/18

All: 0.000+/-0.000 χ^2/NDF : 7502784.2/39

- sign 0.000+/-0.000 χ^2/NDF : 4244726.8/20

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 14.9/15

Left Out: -0.000 ± 0.009 χ^2/NDF : 2.3/2

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

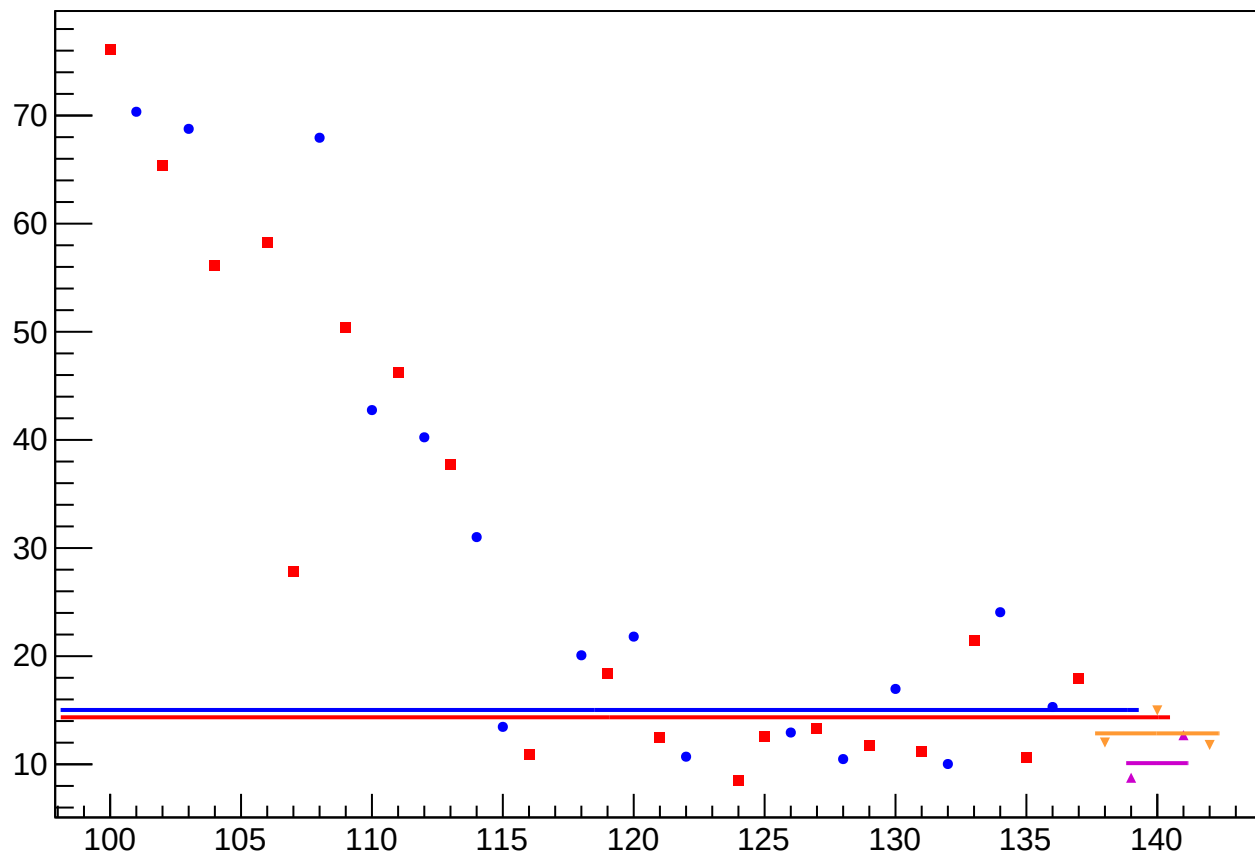
Left In: 0.001 ± 0.008 χ^2/NDF : 6.9/1

+ sign -0.005 ± 0.005 χ^2/NDF : 17.5/18

All: 0.001 ± 0.004 χ^2/NDF : 39.7/39

- sign 0.006 ± 0.005 χ^2/NDF : 20.1/20

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026 $\pm$ 0.005 χ^2 /NDF: 3438260.9/15

Left Out: 12.860 $\pm$ 0.007 χ^2 /NDF: 45543.8/2

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629014.9/18

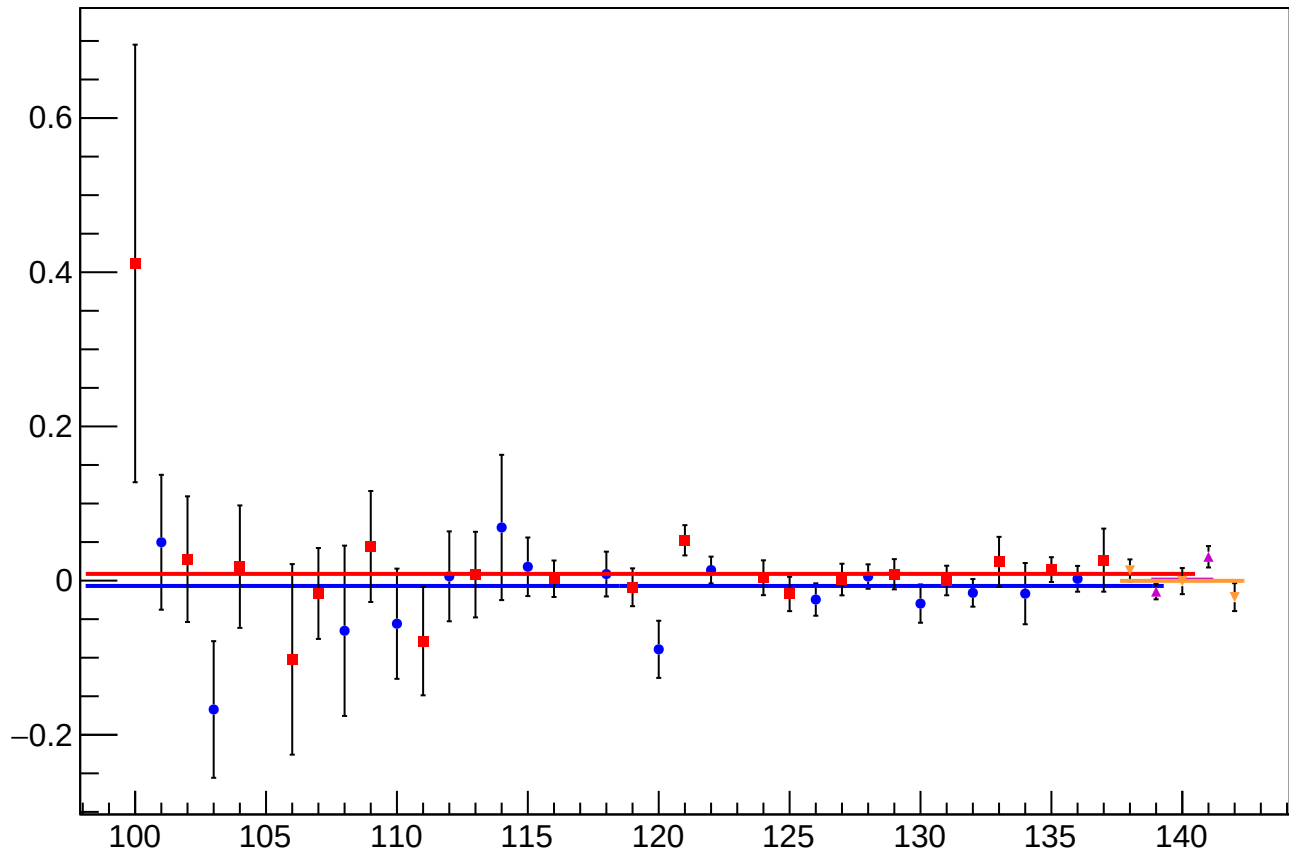
Left In: 10.108 $\pm$ 0.006 χ^2 /NDF: 105359.6/1

+ sign 14.287 $\pm$ 0.004 χ^2 /NDF: 3554373.5/18

All: 13.444 $\pm$ 0.003 χ^2 /NDF: 7712569.3/39

- sign 12.732 $\pm$ 0.004 χ^2 /NDF: 4070463.1/20

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 14.9/15

Left Out: -0.000 ± 0.009 χ^2/NDF : 2.3/2

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

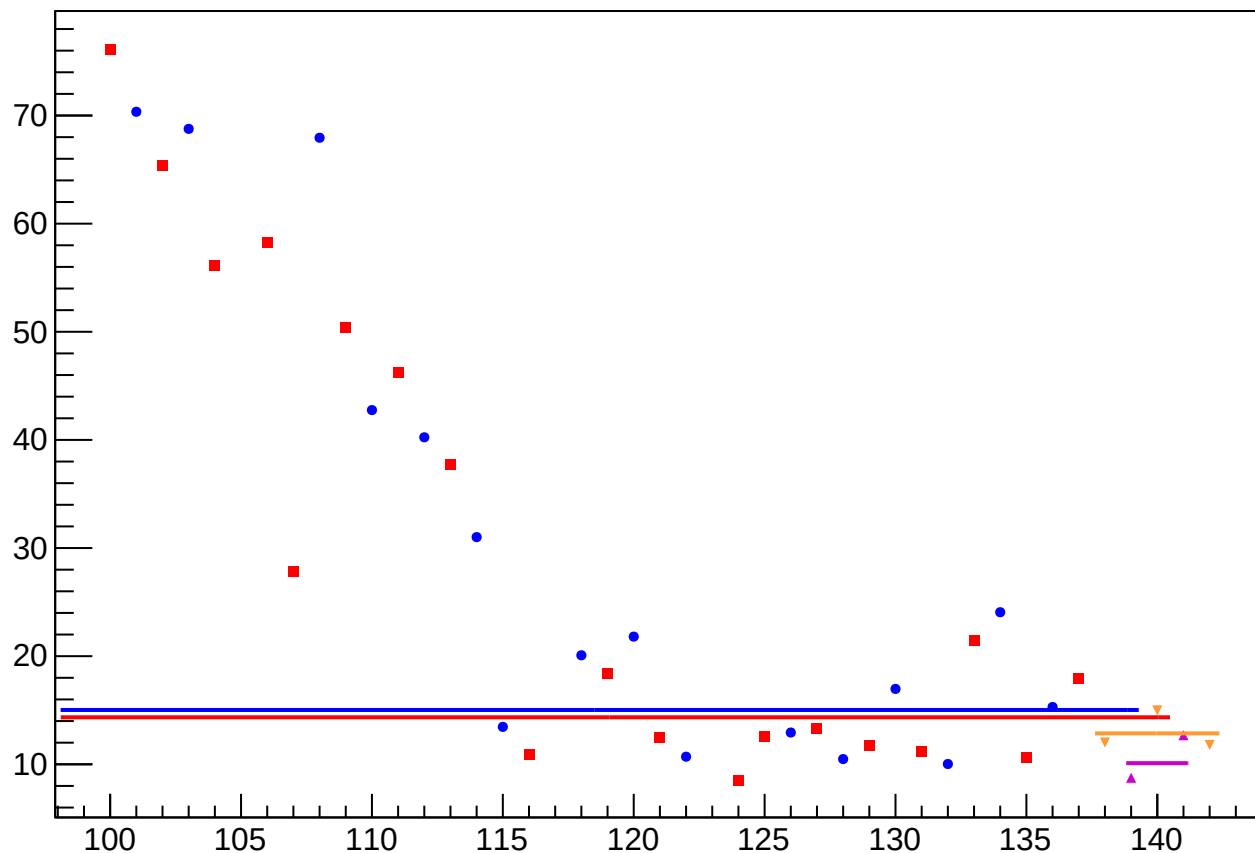
Left In: 0.001 ± 0.008 χ^2/NDF : 6.9/1

+ sign -0.005 ± 0.005 χ^2/NDF : 17.5/18

All: 0.001 ± 0.004 χ^2/NDF : 39.7/39

- sign 0.006 ± 0.005 χ^2/NDF : 20.1/20

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF : 3438260.9/15

Left Out: 12.860+/-0.007 χ^2/NDF : 45543.8/2

Right Out: 14.348+/-0.005 χ^2/NDF : 3629014.9/18

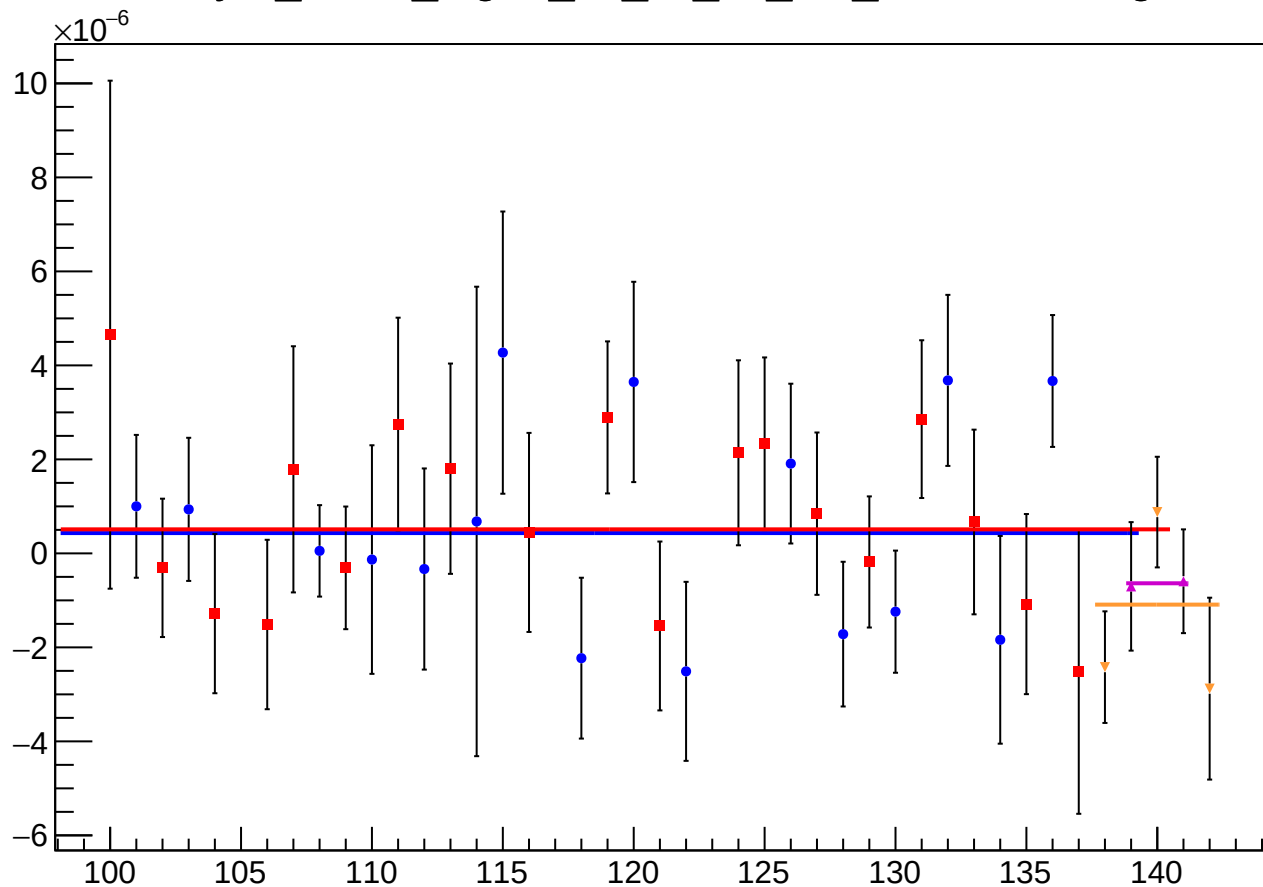
Left In: 10.108+/-0.006 χ^2/NDF : 105359.6/1

+ sign 14.287+/-0.004 χ^2/NDF : 3554373.5/18

All: 13.444+/-0.003 χ^2/NDF : 7712569.3/39

- sign 12.732+/-0.004 χ^2/NDF : 4070463.1/20

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 4.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

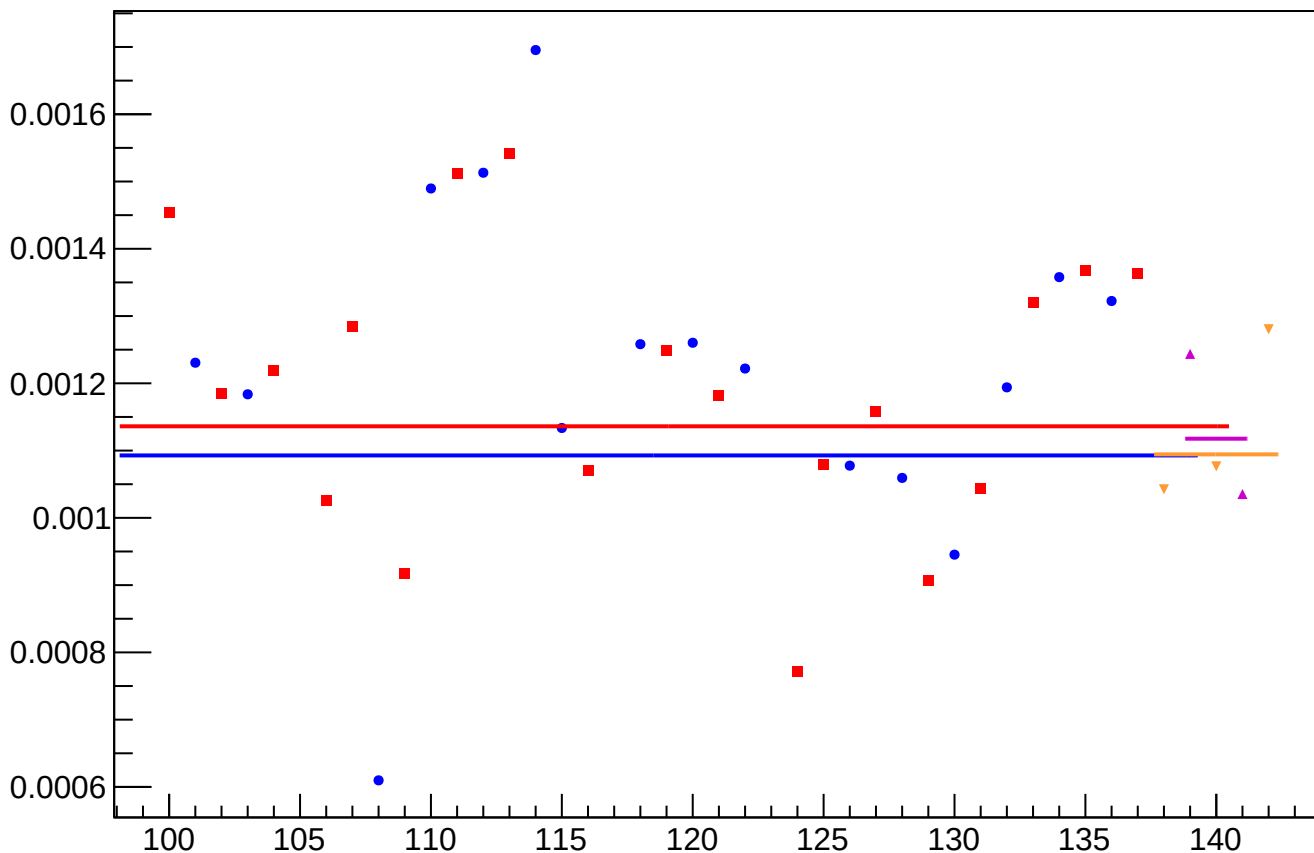
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.1/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/20

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 :22761.8/2

Right Out: 0.001+/-0.000 χ^2/NDF : 407257.8/18

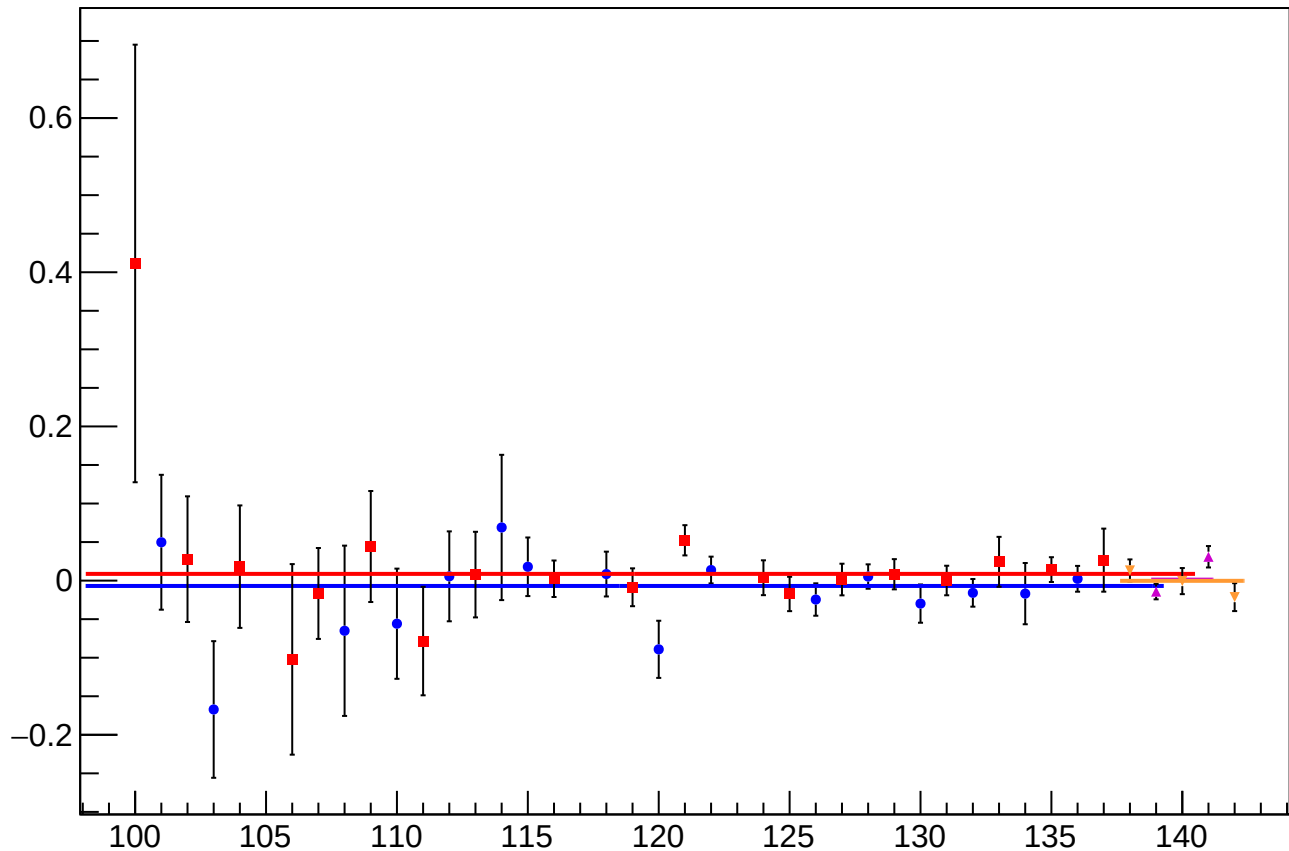
Left In: 0.001+/-0.000 χ^2/NDF :28115.1/1

+ sign 0.001+/-0.000 χ^2/NDF : 854609.0/18

All: 0.001+/-0.000 χ^2/NDF : 1301788.6/39

- sign 0.001+/-0.000 χ^2/NDF : 436112.8/20

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 14.9/15

Left Out: -0.000 ± 0.009 χ^2/NDF : 2.3/2

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

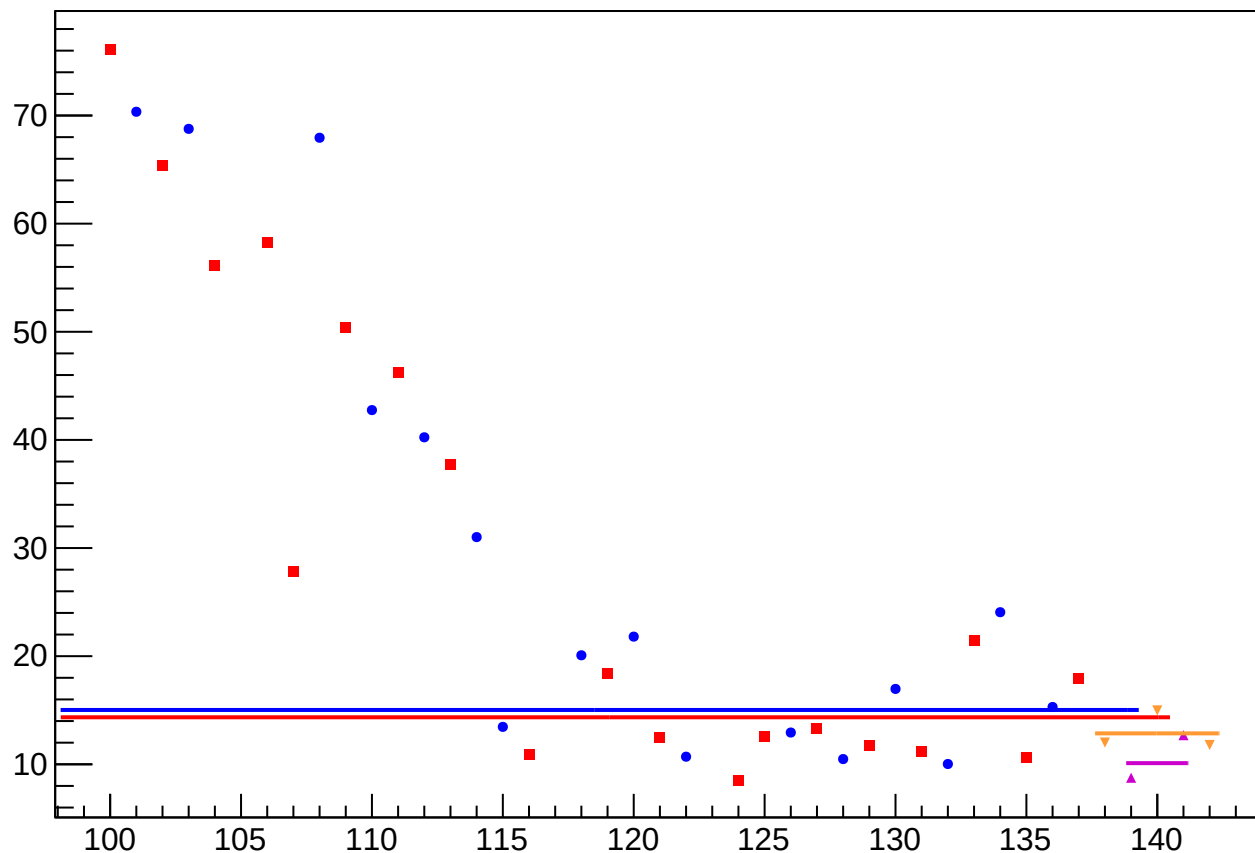
Left In: 0.001 ± 0.008 χ^2/NDF : 6.9/1

+ sign -0.005 ± 0.005 χ^2/NDF : 17.5/18

All: 0.001 ± 0.004 χ^2/NDF : 39.7/39

- sign 0.006 ± 0.005 χ^2/NDF : 20.1/20

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: 12.860 $\pm$ 0.007 χ^2 /NDF: 45546.7/2

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629004.9/18

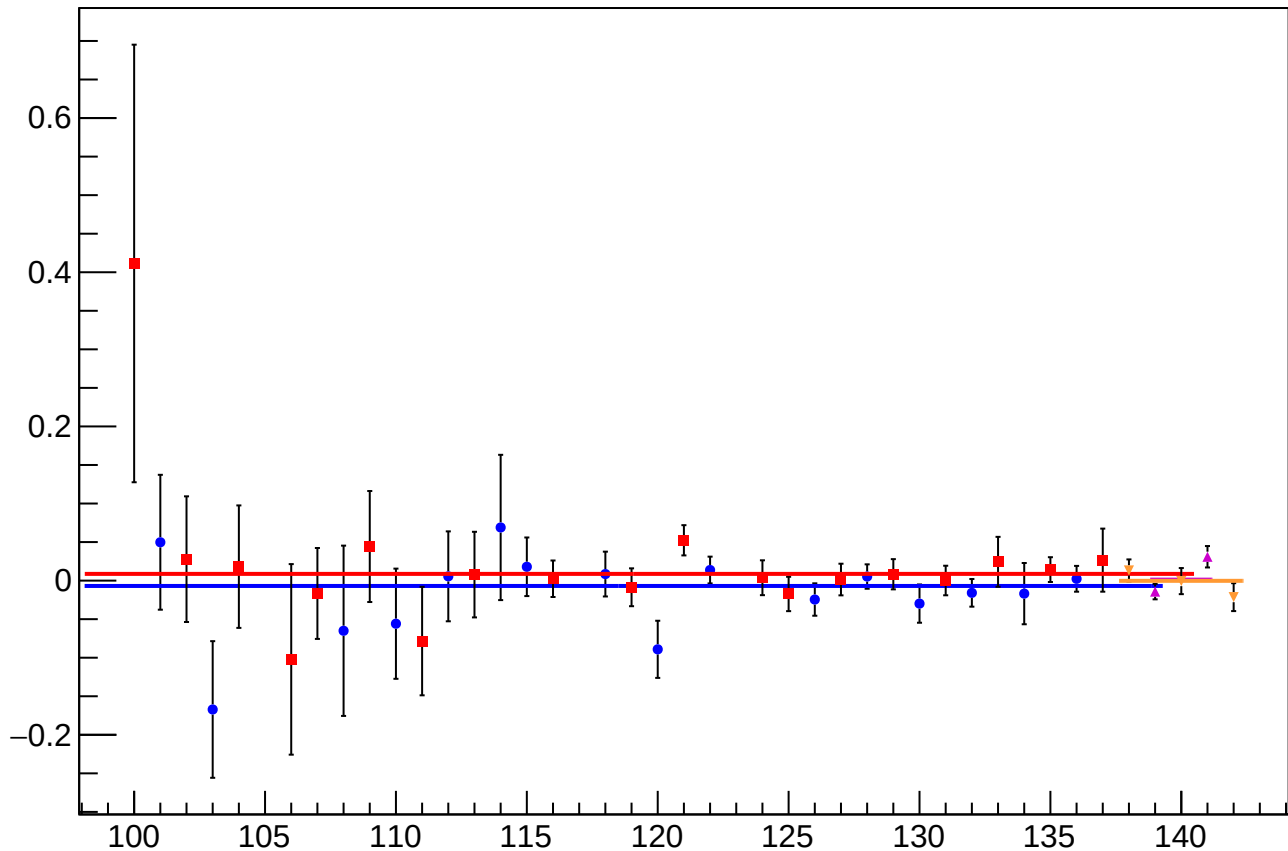
Left In: 10.108 $\pm$ 0.006 χ^2 /NDF: 105368.1/1

+ sign 14.287 $\pm$ 0.004 χ^2 /NDF: 3554379.9/18

All: 13.444 $\pm$ 0.003 χ^2 /NDF: 7712566.2/39

- sign 12.732 $\pm$ 0.004 χ^2 /NDF: 4070455.7/20

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: -0.000 ± 0.009 χ^2/NDF : 2.3/2

Right Out: 0.009 ± 0.006 χ^2/NDF : 12.6/18

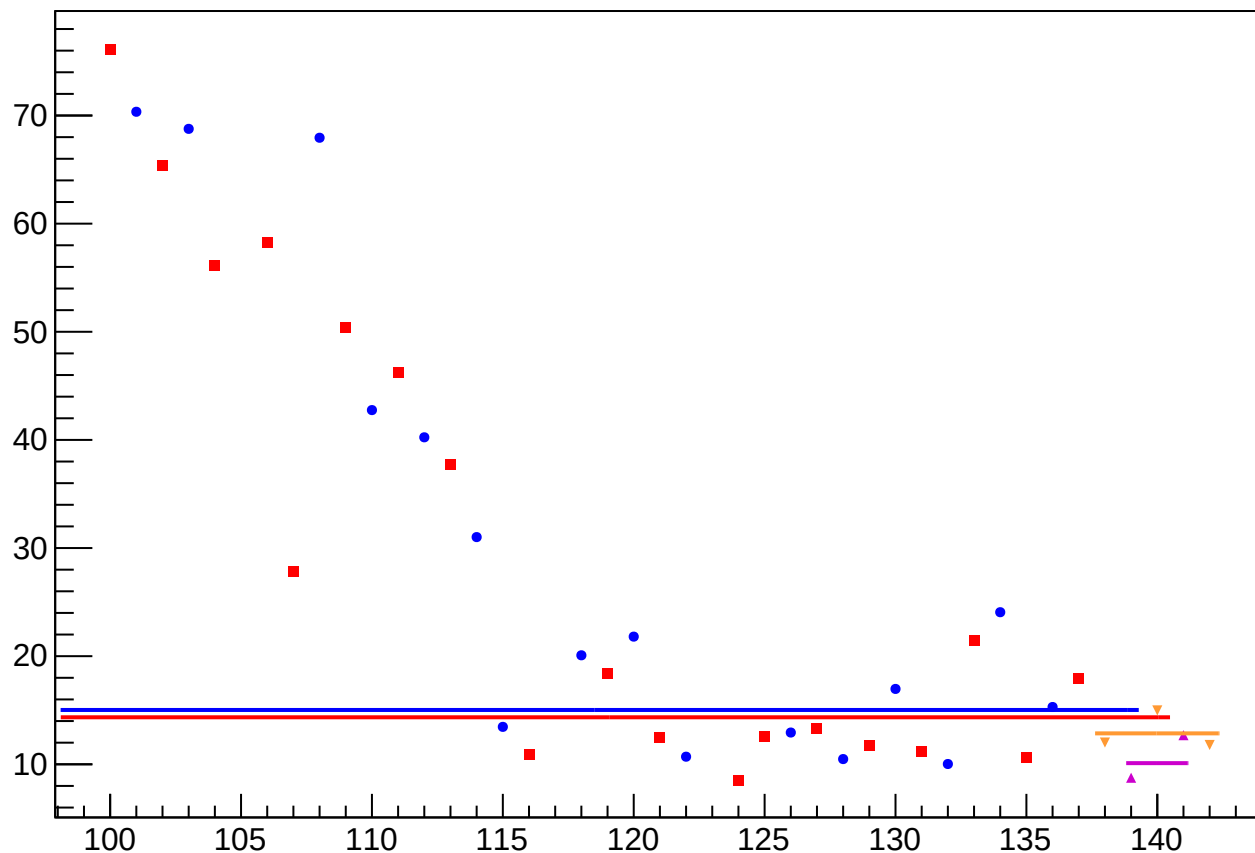
Left In: 0.001 ± 0.008 χ^2/NDF : 6.9/1

+ sign -0.005 ± 0.005 χ^2/NDF : 17.5/18

All: 0.001 ± 0.004 χ^2/NDF : 39.7/39

- sign 0.006 ± 0.005 χ^2/NDF : 20.1/20

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: 12.860 $\pm$ 0.007 χ^2 /NDF: 45546.7/2

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629004.9/18

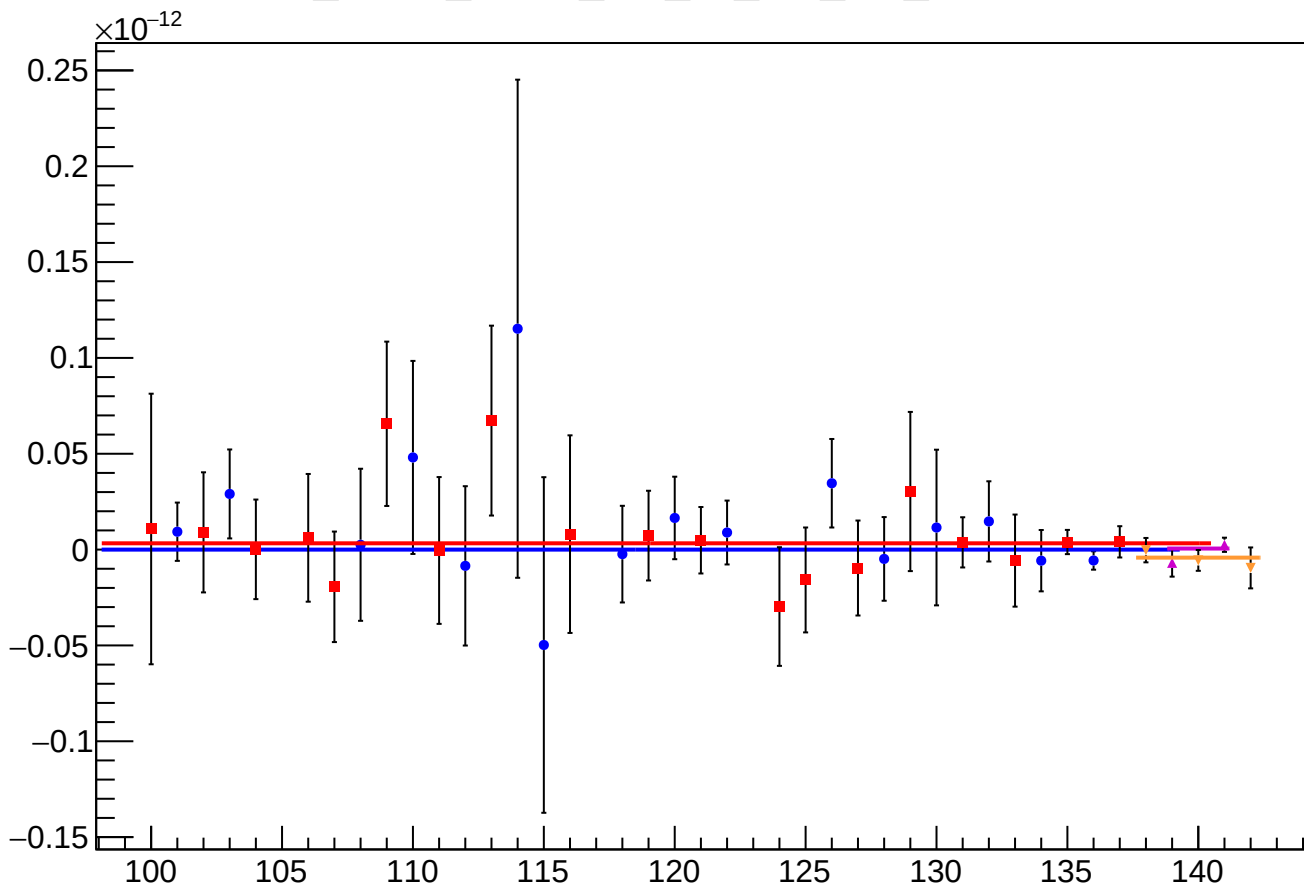
Left In: 10.108 $\pm$ 0.006 χ^2 /NDF: 105368.1/1

+ sign 14.287 $\pm$ 0.004 χ^2 /NDF: 3554379.9/18

All: 13.444 $\pm$ 0.003 χ^2 /NDF: 7712566.2/39

- sign 12.732 $\pm$ 0.004 χ^2 /NDF: 4070455.7/20

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7.0/18

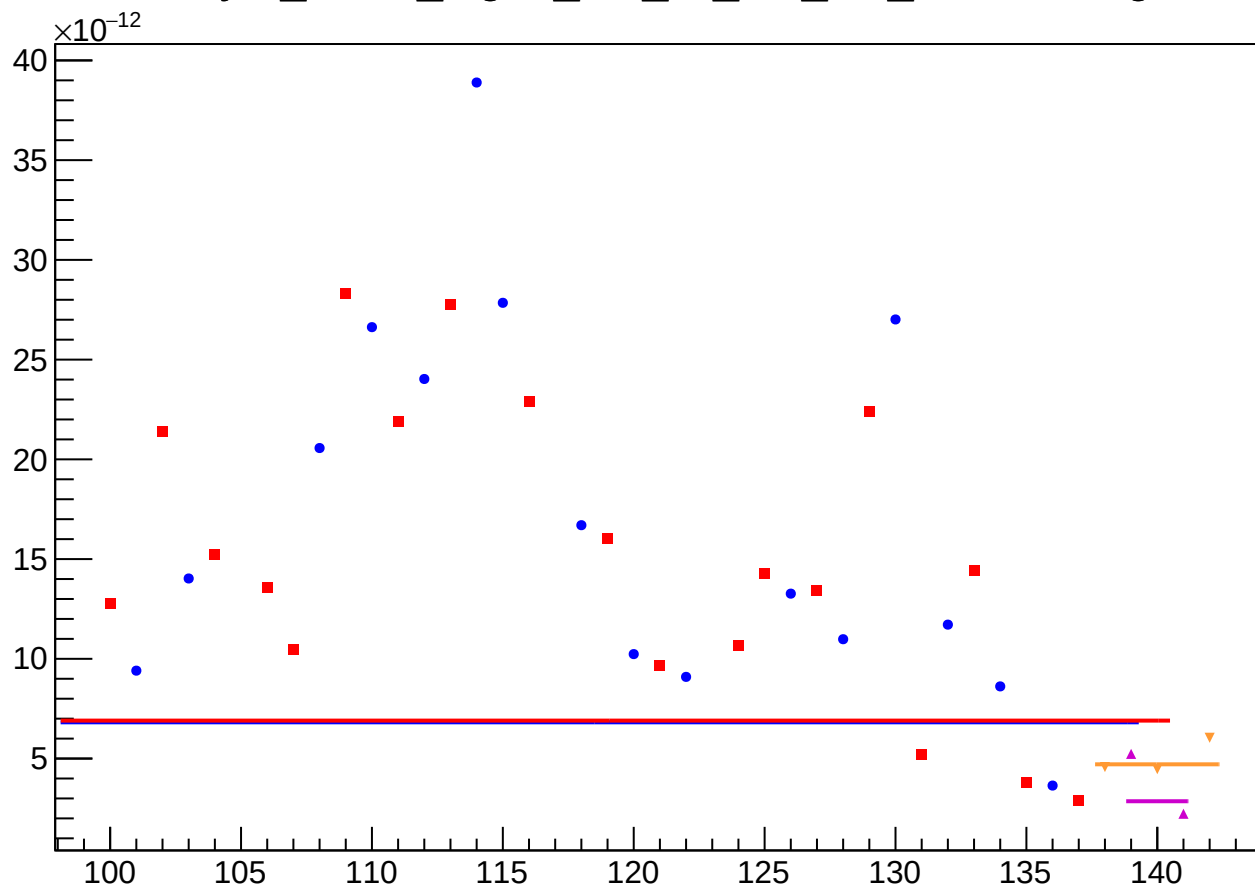
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.3/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 10.6/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8.6/20

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 : 36059.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 4241227.1/18

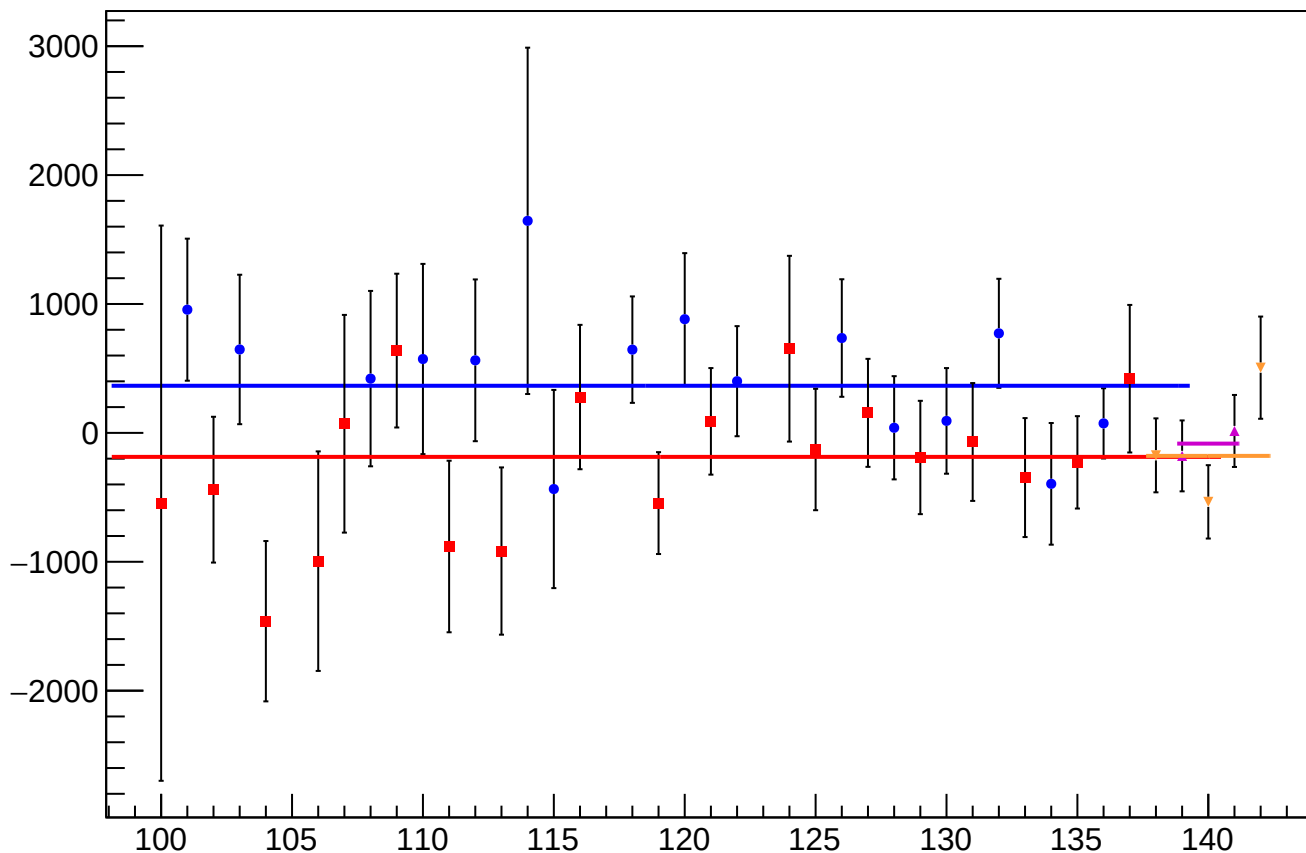
Left In: 0.000+/-0.000 χ^2/NDF : 274305.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3851415.9/18

All: 0.000+/-0.000 χ^2/NDF : 9835585.8/39

- sign 0.000+/-0.000 χ^2/NDF : 5751917.6/20

reg_asym_sam2_mean vs Slug



Right In: 365.540 $\pm$ 118.873 χ^2 /NDF: 11.5/15

Left Out: -178.412 $\pm$ 180.009 χ^2 /NDF:4.6/2

Right Out: -186.141 $\pm$ 120.188 χ^2 /NDF: 15.0/18

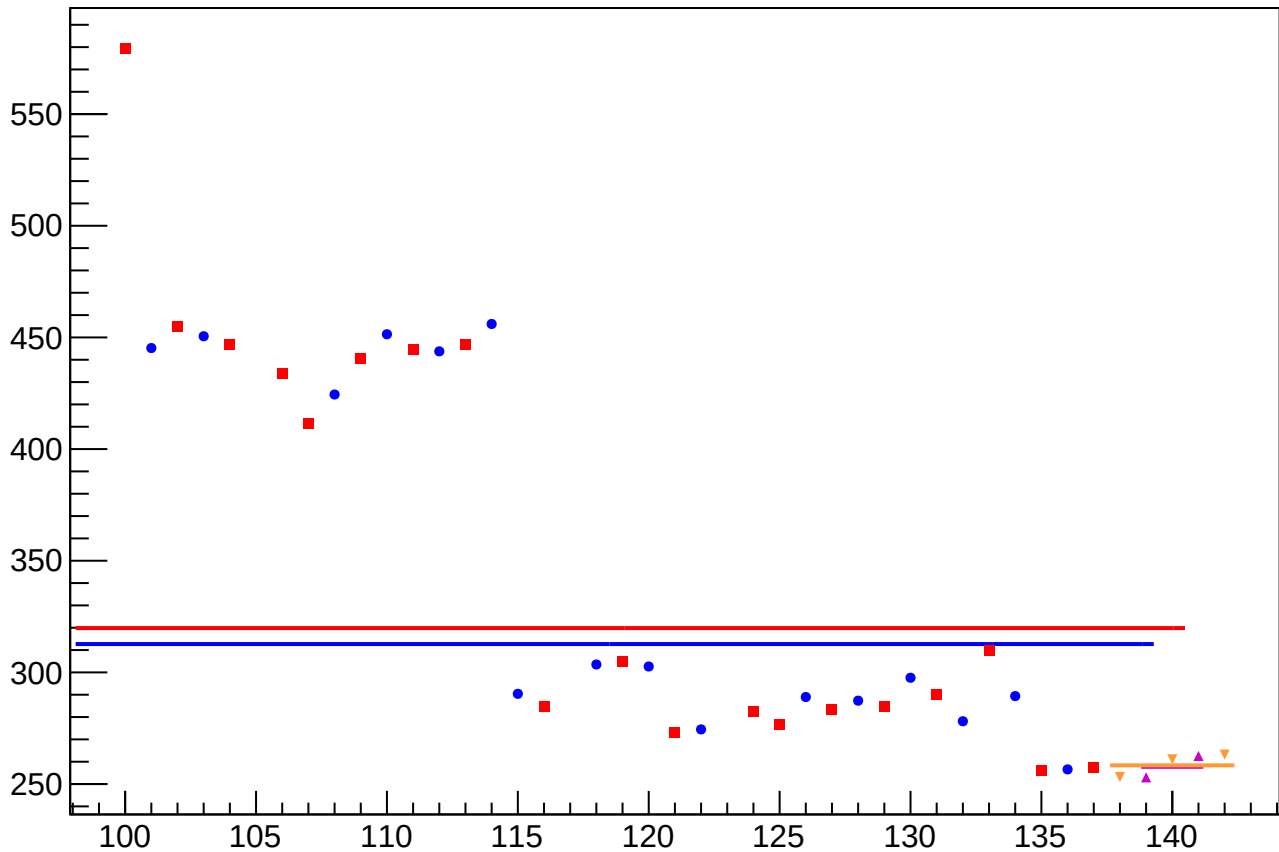
Left In: -83.261 $\pm$ 195.985 χ^2 /NDF:0.2/1

+ sign 200.361 $\pm$ 99.196 χ^2 /NDF: 22.4/18

All: 26.962 $\pm$ 71.267 χ^2 /NDF: 44.2/39

- sign -158.024 $\pm$ 102.456 χ^2 /NDF: 15.5/20

reg_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602207.7/15

Left Out: 258.371 $\pm$ 0.127 χ^2 /NDF:1139.8/2

Right Out: 319.841 $\pm$ 0.085 χ^2 /NDF: 697878.1/18

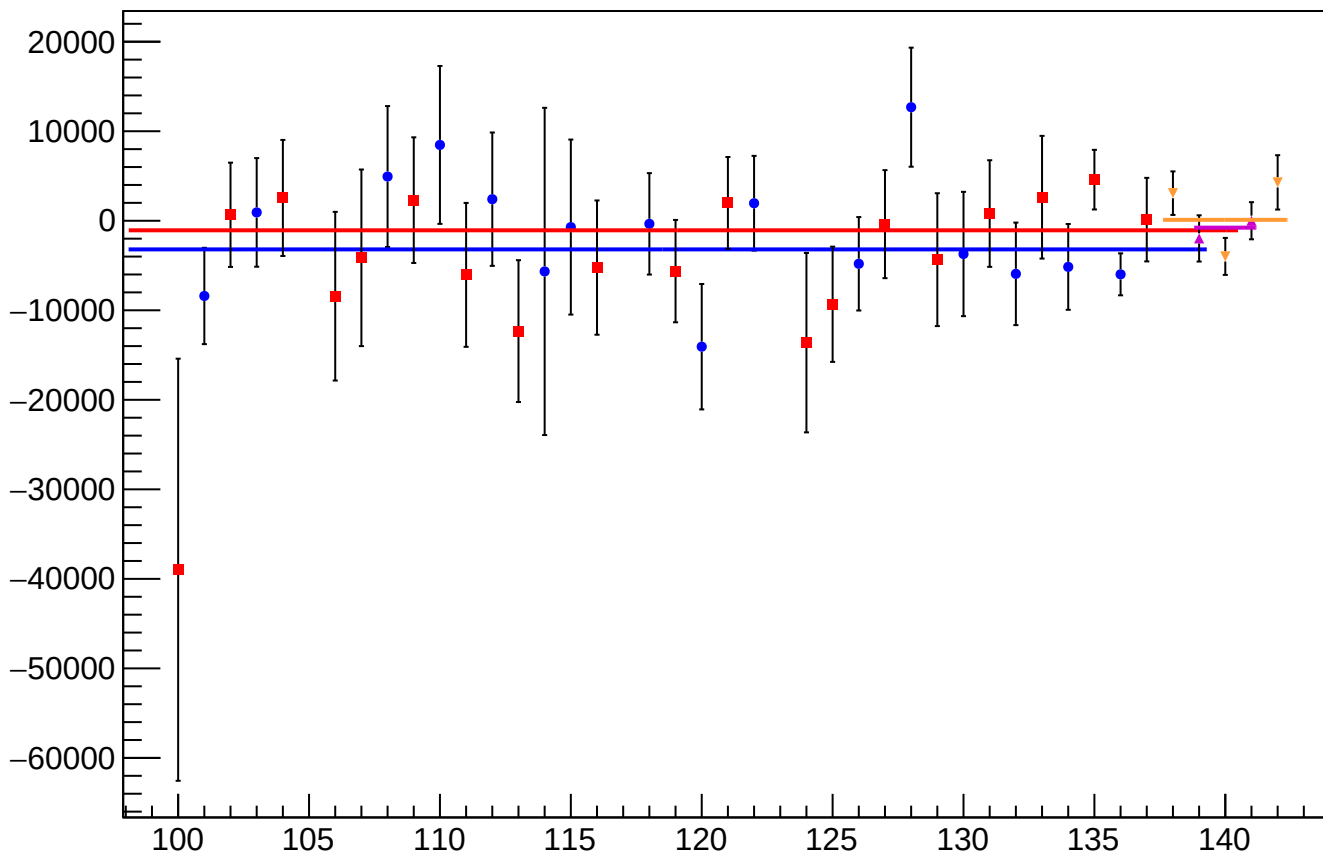
Left In: 257.716 $\pm$ 0.139 χ^2 /NDF:1198.6/1

+ sign 296.190 $\pm$ 0.070 χ^2 /NDF: 730126.2/18

All: 299.418 $\pm$ 0.050 χ^2 /NDF: 1579620.2/39

- sign 302.862 $\pm$ 0.072 χ^2 /NDF: 845116.0/20

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742 ± 1353.814 χ^2/NDF : 16.1/15

Left Out: 104.668 ± 1397.363 χ^2/NDF : 7.3/2

Right Out: -1065.939 ± 1443.326 χ^2/NDF : 14.4/18

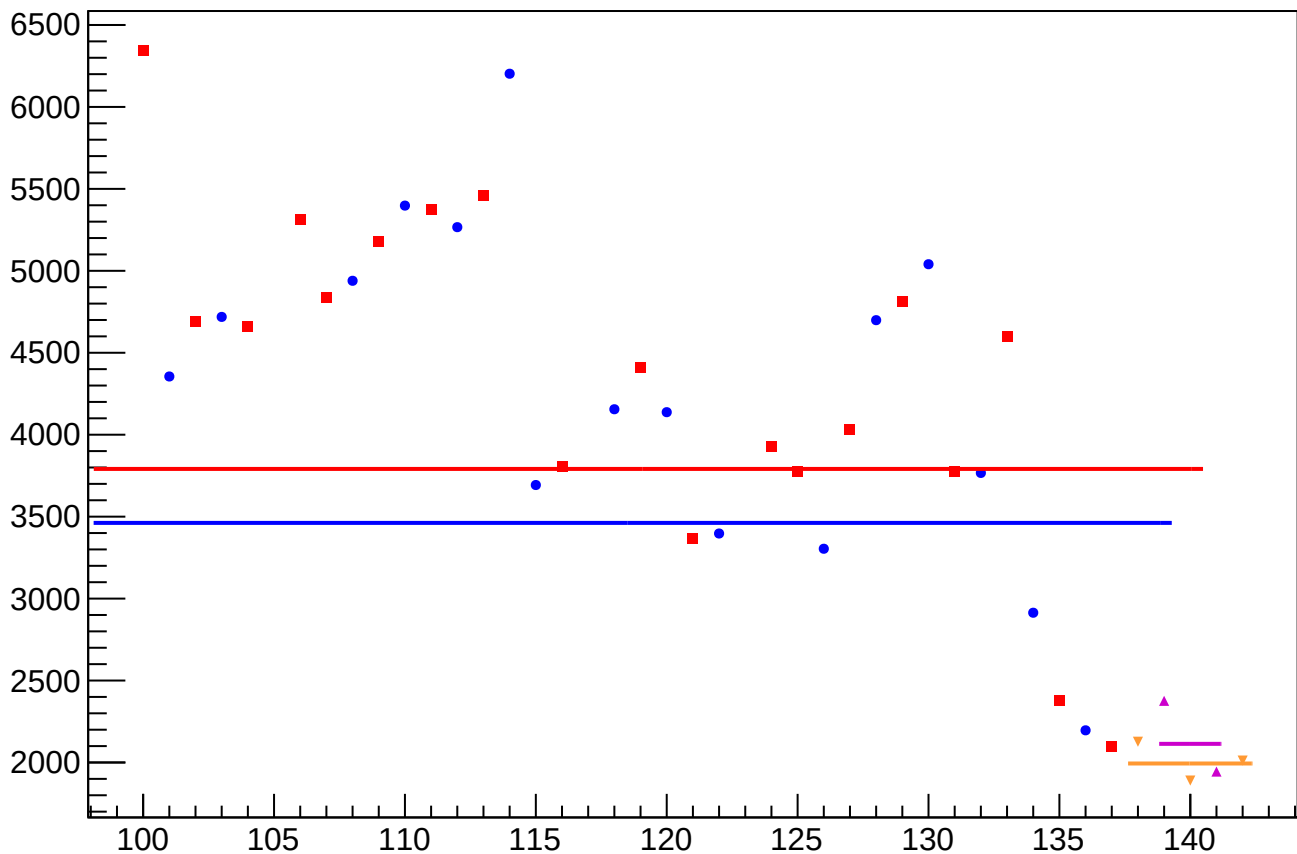
Left In: -770.881 ± 1617.166 χ^2/NDF : 0.4/1

+ sign -1599.314 ± 972.322 χ^2/NDF : 26.3/18

All: -1300.999 ± 721.659 χ^2/NDF : 41.3/39

- sign -935.116 ± 1076.821 χ^2/NDF : 14.8/20

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF : 1309580.1/15

Left Out: 1993.830+/-0.988 χ^2/NDF : 11118.8/2

Right Out: 3791.207+/-1.021 χ^2/NDF : 1155755.9/18

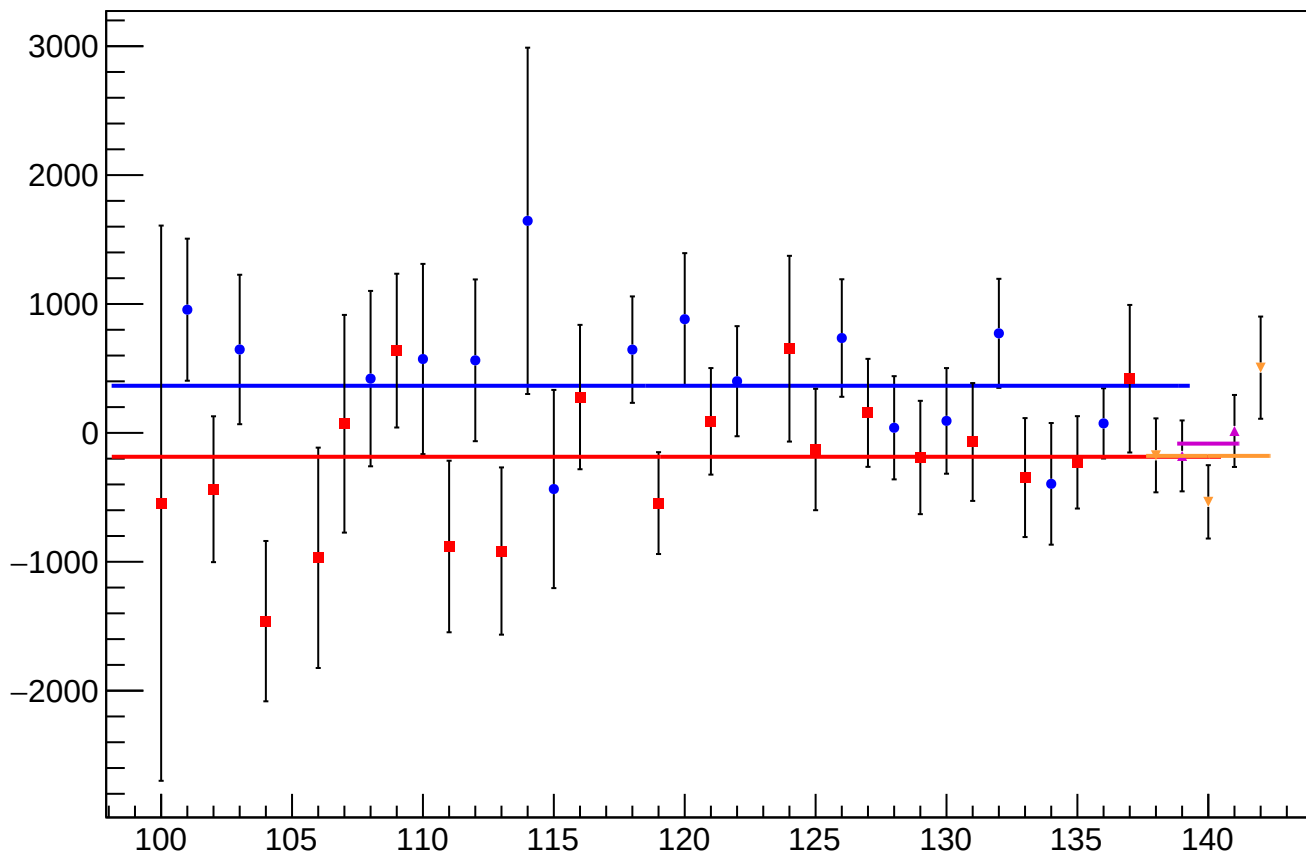
Left In: 2113.692+/-1.144 χ^2/NDF : 33968.2/1

+ sign 2751.112+/-0.688 χ^2/NDF : 2459437.6/18

All: 2884.198+/-0.510 χ^2/NDF : 4930462.1/39

- sign 3047.428+/-0.761 χ^2/NDF : 2387598.9/20

cor_asym_sam2_mean vs Slug



Right In: 365.523 ± 118.873 χ^2/NDF : 11.5/15

Left Out: -178.391 ± 180.009 χ^2/NDF : 4.6/2

Right Out: -185.331 ± 120.199 χ^2/NDF : 14.9/18

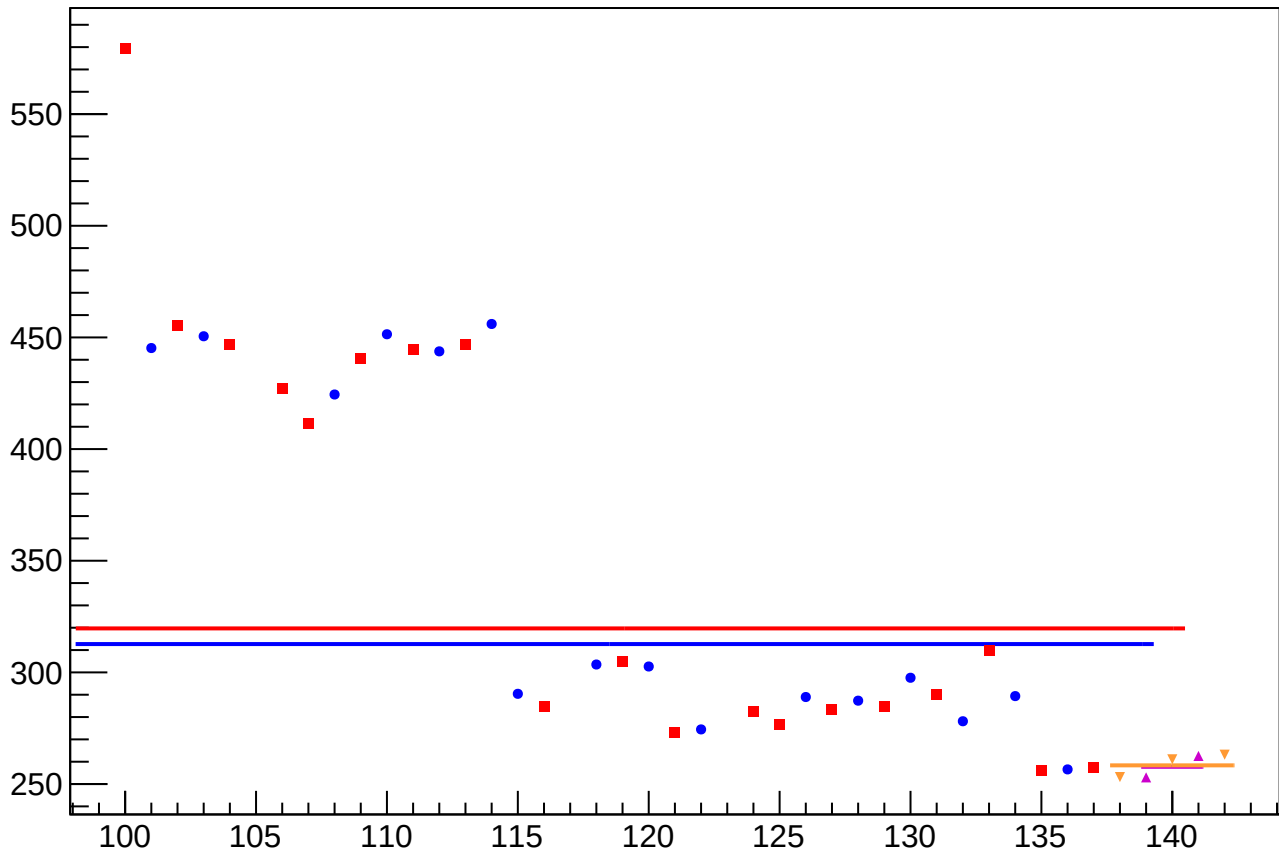
Left In: -83.287 ± 195.985 χ^2/NDF : 0.2/1

+ sign 200.356 ± 99.196 χ^2/NDF : 22.4/18

All: 27.255 ± 71.269 χ^2/NDF : 44.1/39

- sign -157.439 ± 102.463 χ^2/NDF : 15.4/20

cor_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602209.1/15

Left Out: 258.371 $\pm$ 0.127 χ^2 /NDF:1139.8/2

Right Out: 319.693 $\pm$ 0.085 χ^2 /NDF: 693714.1/18

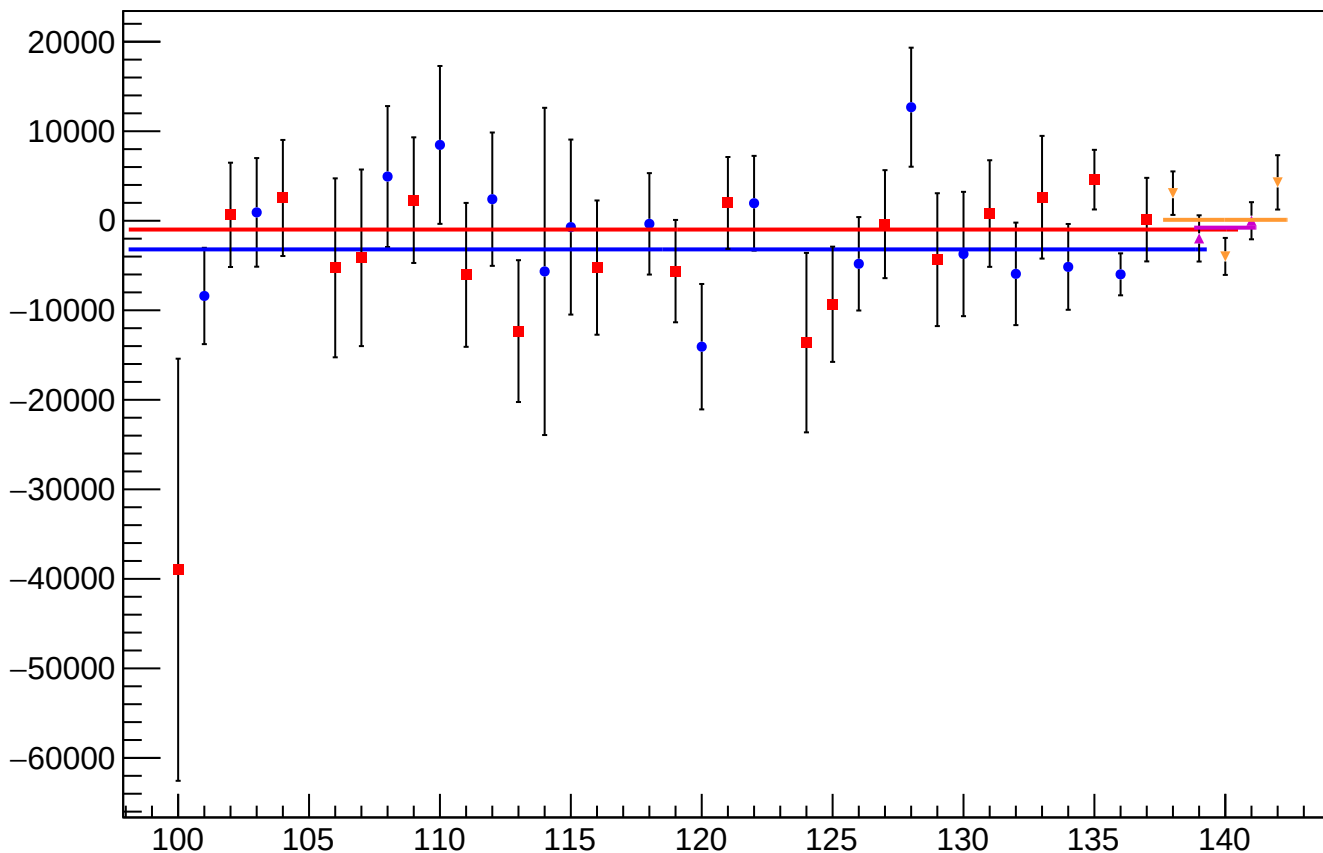
Left In: 257.716 $\pm$ 0.139 χ^2 /NDF:1198.6/1

+ sign 296.190 $\pm$ 0.070 χ^2 /NDF: 730127.8/18

All: 299.365 $\pm$ 0.050 χ^2 /NDF: 1574611.4/39

- sign 302.752 $\pm$ 0.072 χ^2 /NDF: 840249.1/20

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673 ± 1353.816 χ^2/NDF : 16.1/15

Left Out: 104.668 ± 1397.362 χ^2/NDF : 7.3/2

Right Out: -980.937 ± 1445.265 χ^2/NDF : 14.0/18

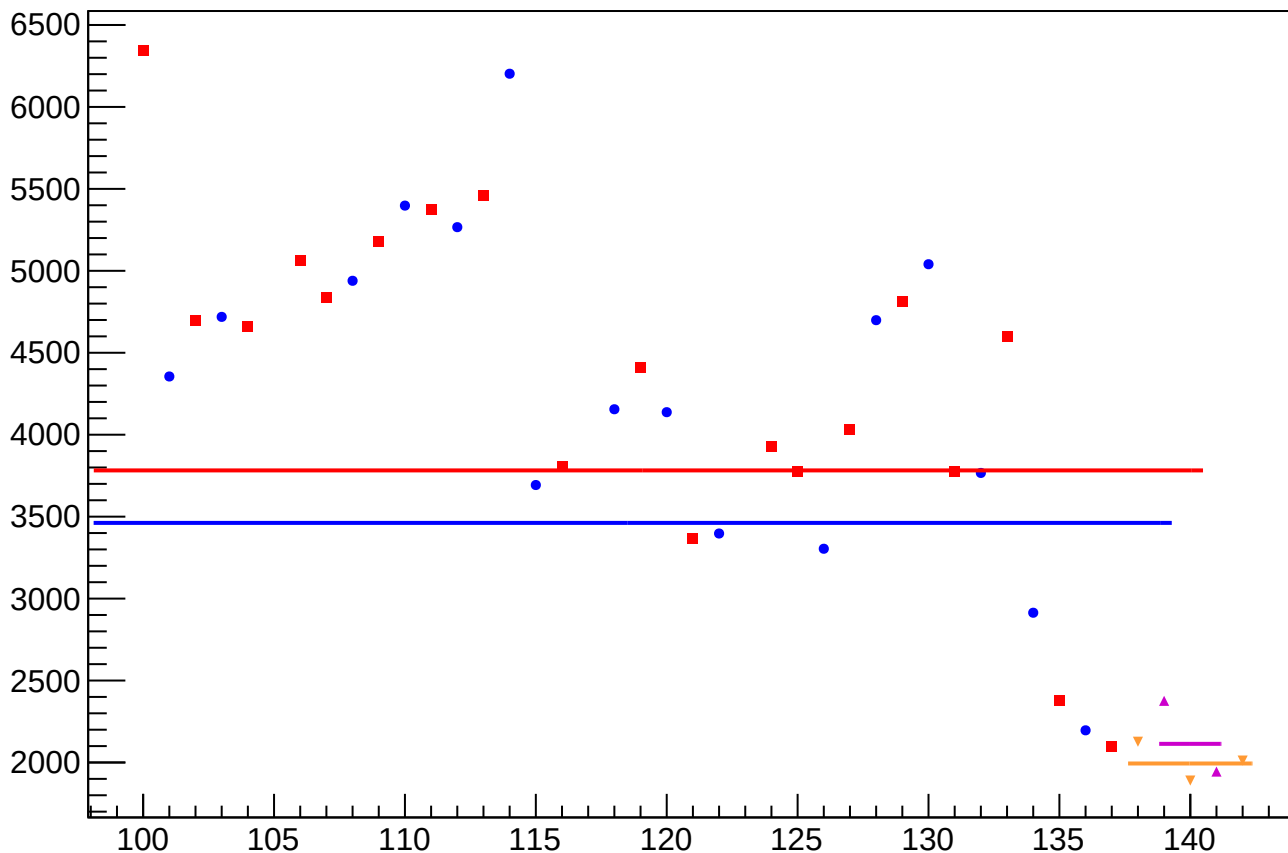
Left In: -770.945 ± 1617.167 χ^2/NDF : 0.4/1

+ sign -1599.275 ± 972.323 χ^2/NDF : 26.3/18

All: -1279.940 ± 721.902 χ^2/NDF : 40.8/39

- sign -887.692 ± 1077.625 χ^2/NDF : 14.3/20

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF : 1309596.2/15

Left Out: 1993.830+/-0.988 χ^2/NDF : 11119.2/2

Right Out: 3782.176+/-1.022 χ^2/NDF : 1136342.8/18

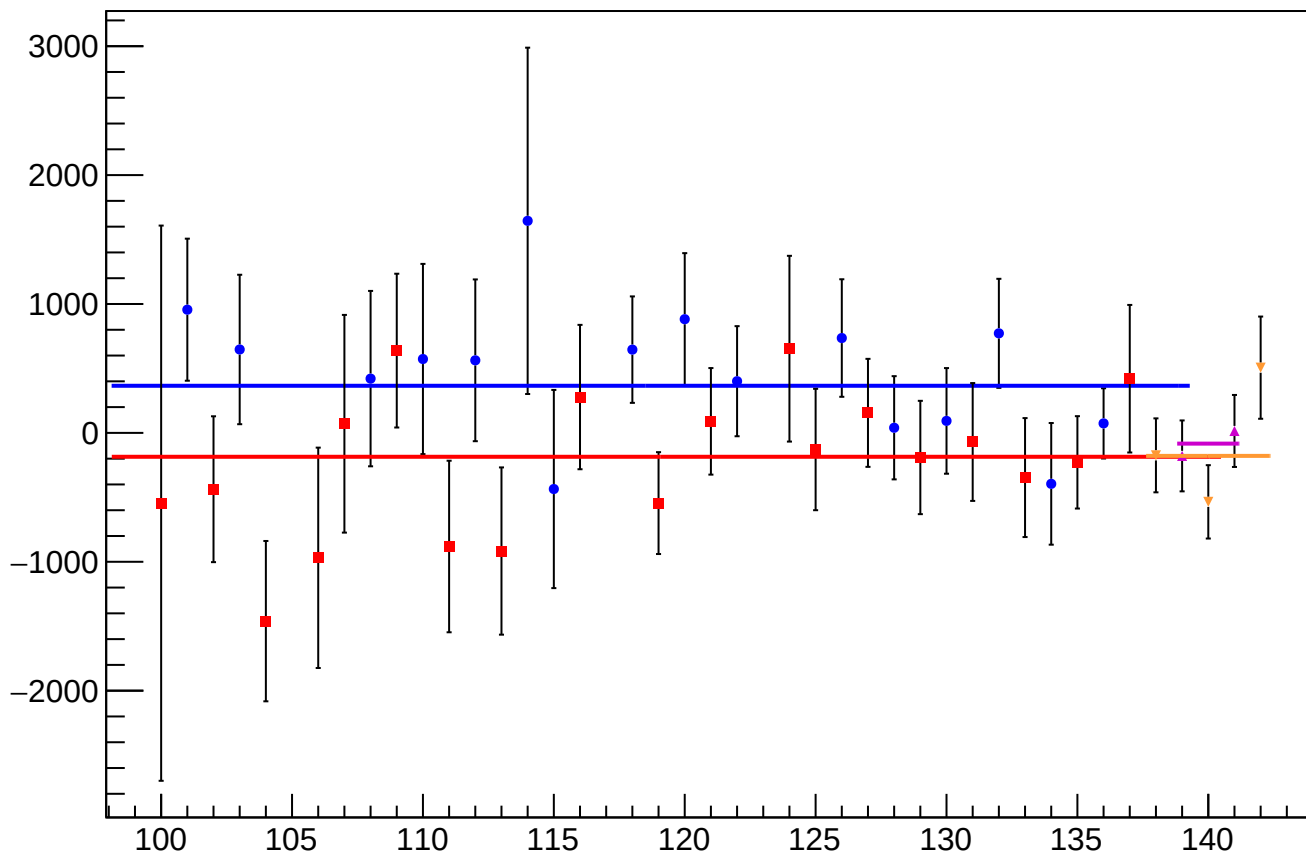
Left In: 2113.693+/-1.144 χ^2/NDF : 33968.1/1

+ sign 2751.112+/-0.688 χ^2/NDF : 2459459.2/18

All: 2881.337+/-0.510 χ^2/NDF : 4893312.1/39

- sign 3041.297+/-0.762 χ^2/NDF : 2353910.4/20

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523 ± 118.873 χ^2/NDF : 11.5/15

Left Out: -178.391 ± 180.009 χ^2/NDF : 4.6/2

Right Out: -185.331 ± 120.199 χ^2/NDF : 14.9/18

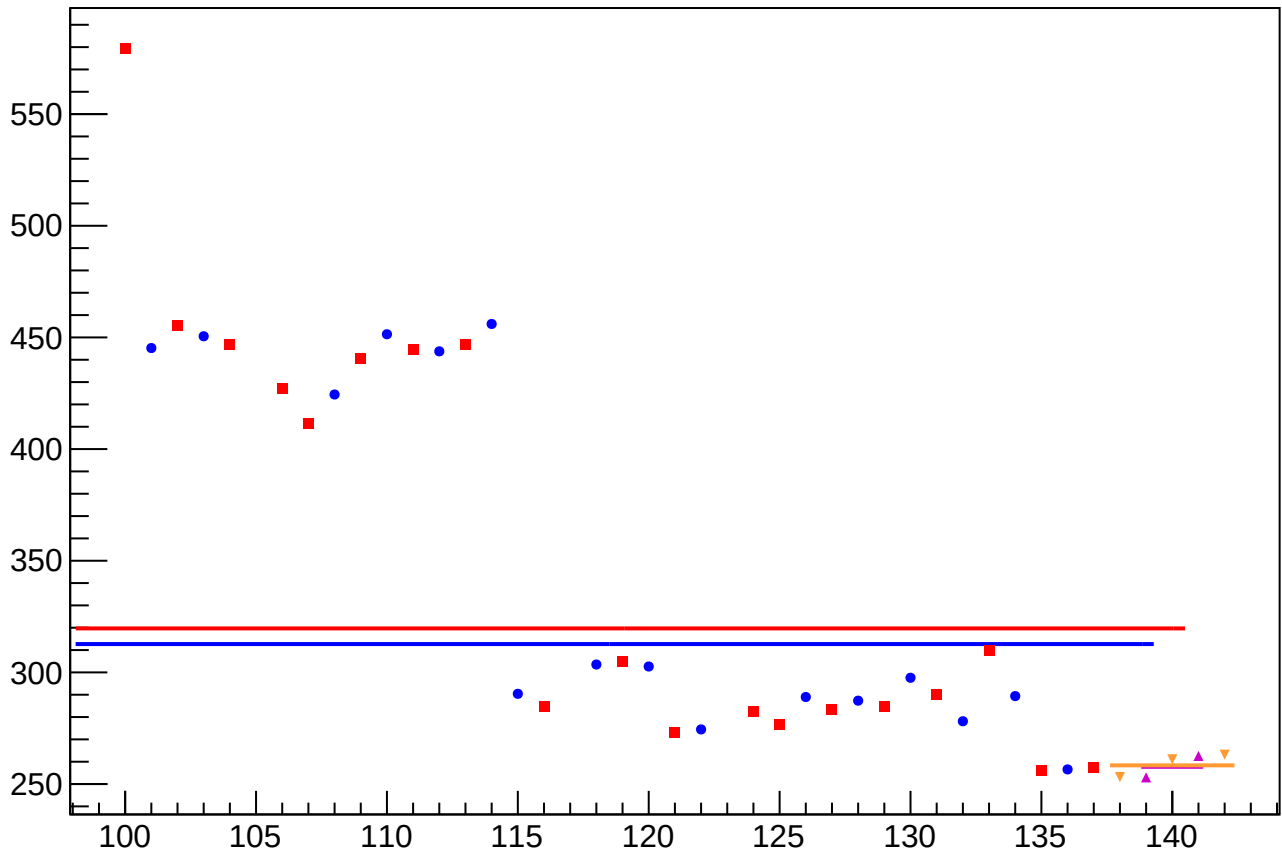
Left In: -83.287 ± 195.985 χ^2/NDF : 0.2/1

+ sign 200.356 ± 99.196 χ^2/NDF : 22.4/18

All: 27.255 ± 71.269 χ^2/NDF : 44.1/39

- sign -157.439 ± 102.463 χ^2/NDF : 15.4/20

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF : 602209.1/15

Left Out: 258.371+/-0.127 χ^2/NDF :1139.8/2

Right Out: 319.693+/-0.085 χ^2/NDF : 693714.1/18

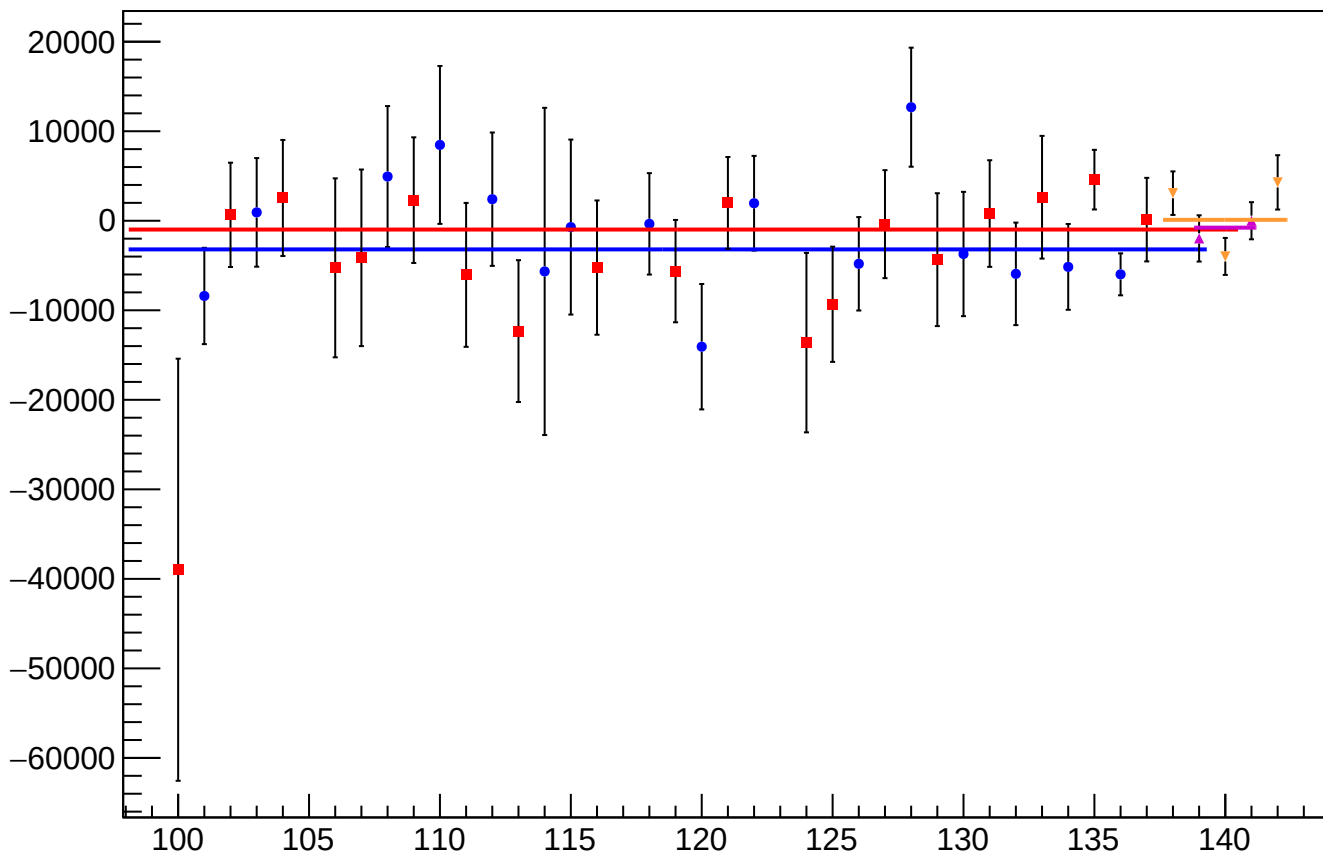
Left In: 257.716+/-0.139 χ^2/NDF :1198.6/1

+ sign 296.190+/-0.070 χ^2/NDF : 730127.8/18

All: 299.365+/-0.050 χ^2/NDF : 1574611.4/39

- sign 302.752+/-0.072 χ^2/NDF : 840249.1/20

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF : 16.1/15

Left Out: 104.668+/-1397.362 χ^2/NDF : 7.3/2

Right Out: -980.937+/-1445.265 χ^2/NDF : 14.0/18

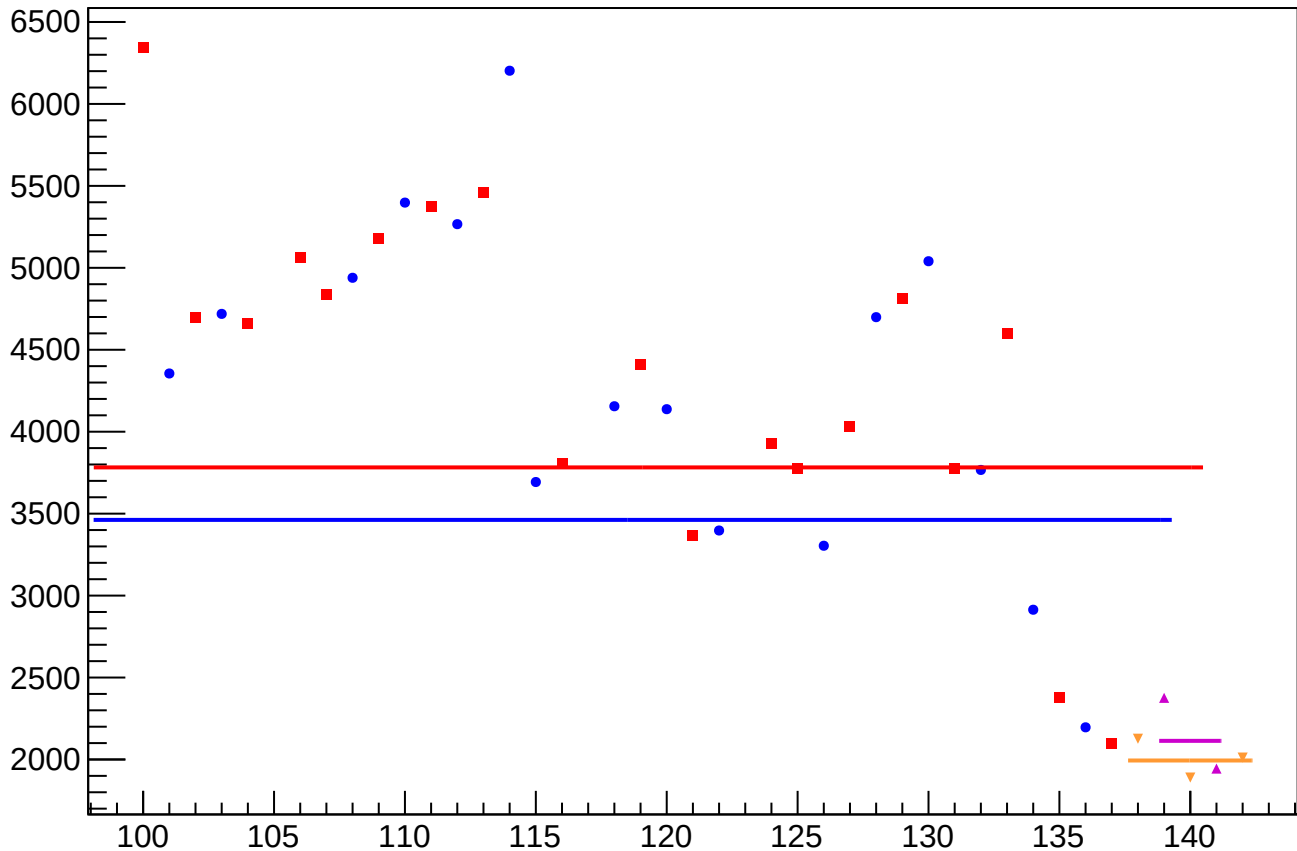
Left In: -770.945+/-1617.167 χ^2/NDF : 0.4/1

+ sign -1599.275+/-972.323 χ^2/NDF : 26.3/18

All: -1279.940+/-721.902 χ^2/NDF : 40.8/39

- sign -887.692+/-1077.625 χ^2/NDF : 14.3/20

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF : 1309596.2/15

Left Out: 1993.830+/-0.988 χ^2/NDF : 11119.2/2

Right Out: 3782.176+/-1.022 χ^2/NDF : 1136342.8/18

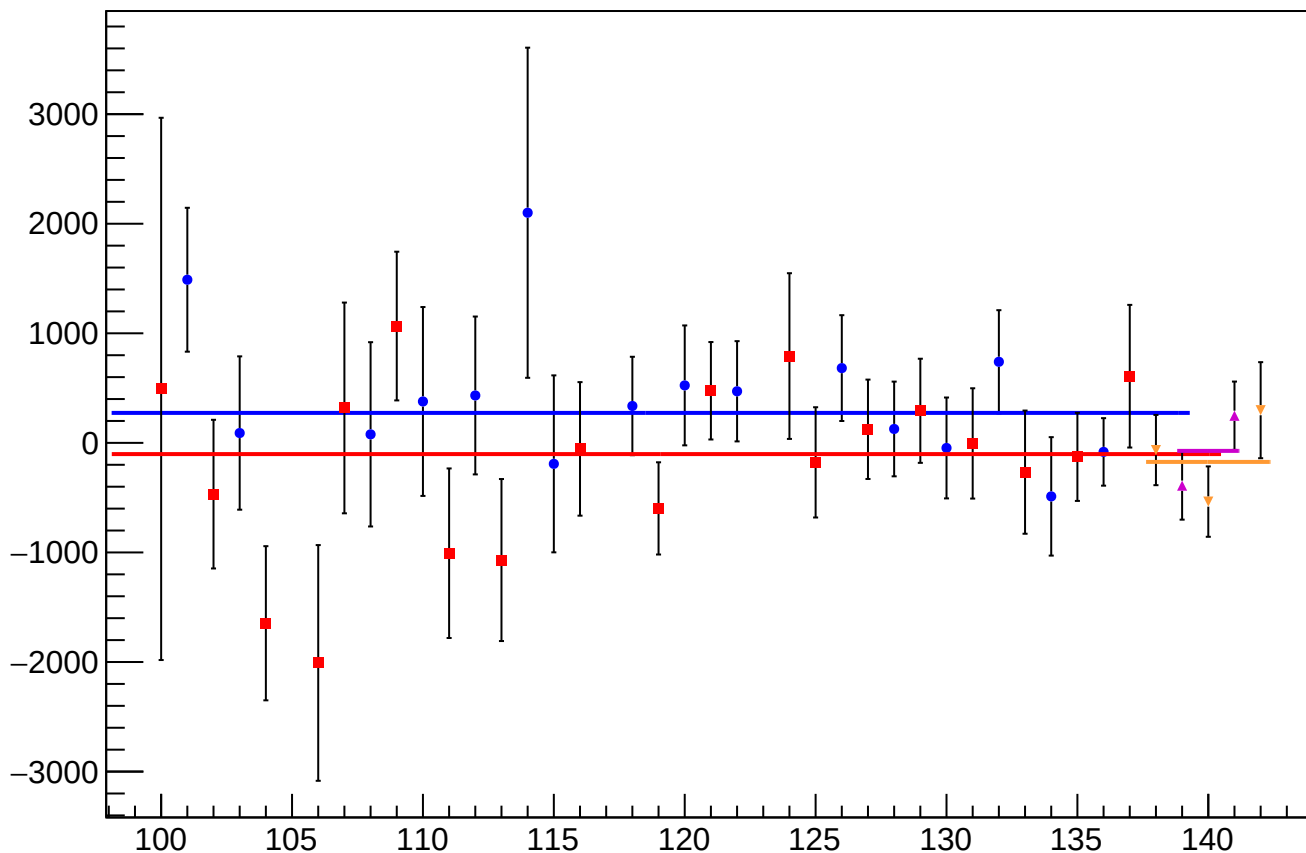
Left In: 2113.693+/-1.144 χ^2/NDF : 33968.1/1

+ sign 2751.112+/-0.688 χ^2/NDF : 2459459.2/18

All: 2881.337+/-0.510 χ^2/NDF : 4893312.1/39

- sign 3041.297+/-0.762 χ^2/NDF : 2353910.4/20

dit_asym_sam2_mean vs Slug



Right In: 273.578 $\pm$ 132.537 χ^2 /NDF: 11.4/15

Left Out: -173.762 $\pm$ 201.479 χ^2 /NDF: 2.5/2

Right Out: -102.369 $\pm$ 133.606 χ^2 /NDF: 21.3/18

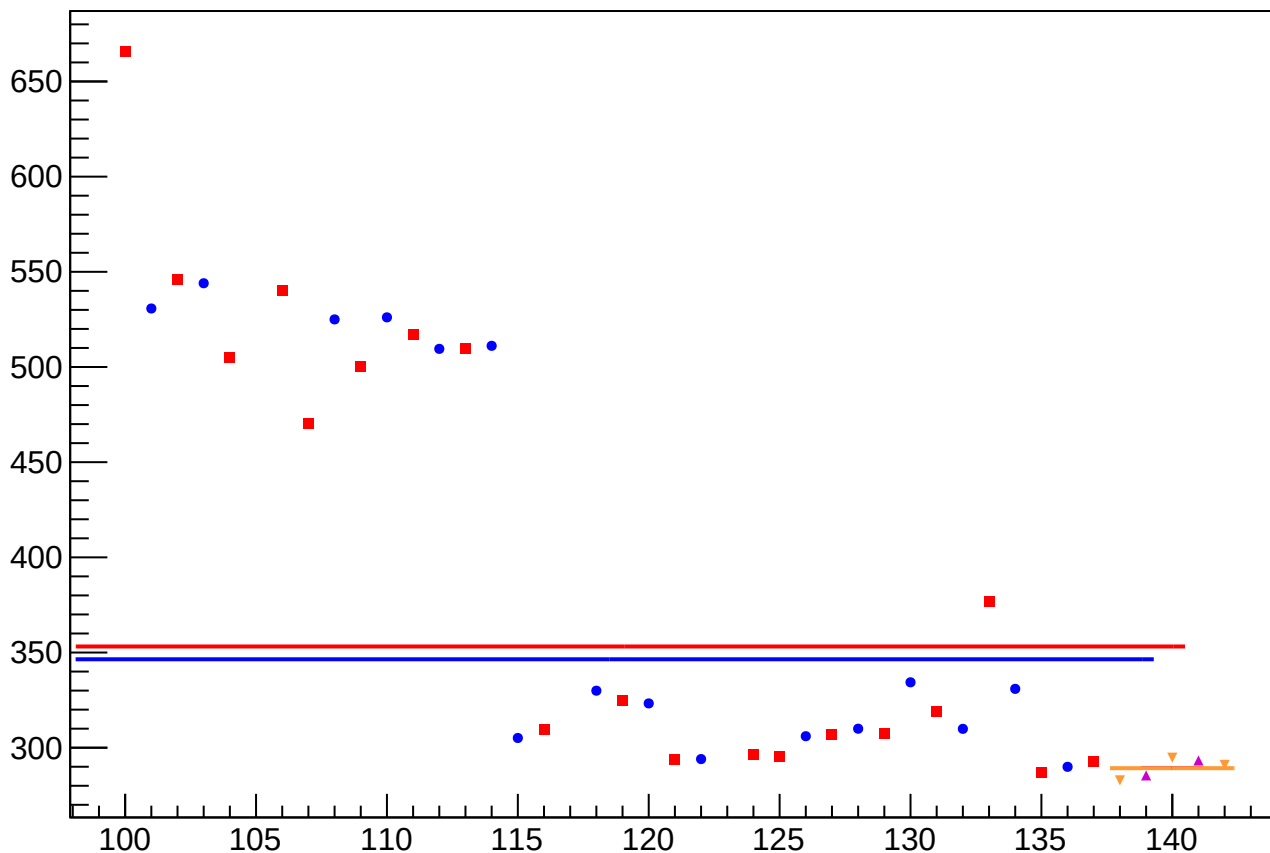
Left In: -73.105 $\pm$ 219.989 χ^2 /NDF: 2.1/1

+ sign 138.467 $\pm$ 110.727 χ^2 /NDF: 17.4/18

All: 25.582 $\pm$ 79.494 χ^2 /NDF: 43.0/39

- sign -94.484 $\pm$ 114.195 χ^2 /NDF: 23.4/20

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF : 768763.1/15

Left Out: 289.247+/-0.142 χ^2/NDF : 1418.7/2

Right Out: 353.178+/-0.094 χ^2/NDF : 866364.3/18

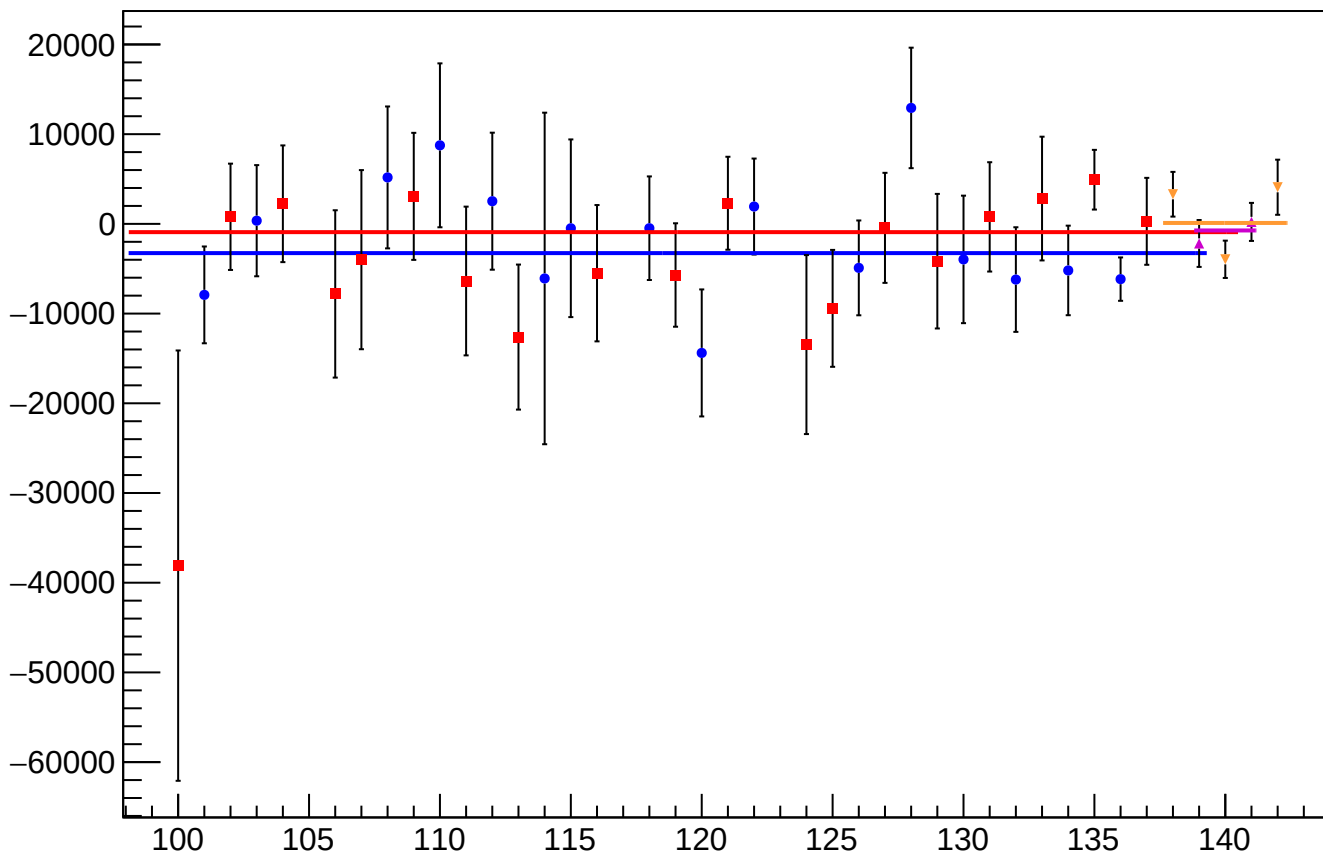
Left In: 289.350+/-0.156 χ^2/NDF : 637.6/1

+ sign 329.176+/-0.078 χ^2/NDF : 882726.0/18

All: 332.473+/-0.056 χ^2/NDF : 1876379.8/39

- sign 335.979+/-0.081 χ^2/NDF : 989995.8/20

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837 ± 1384.139 χ^2/NDF : 16.0/15

Left Out: 102.997 ± 1416.950 χ^2/NDF : 7.1/2

Right Out: -921.196 ± 1460.727 χ^2/NDF : 14.6/18

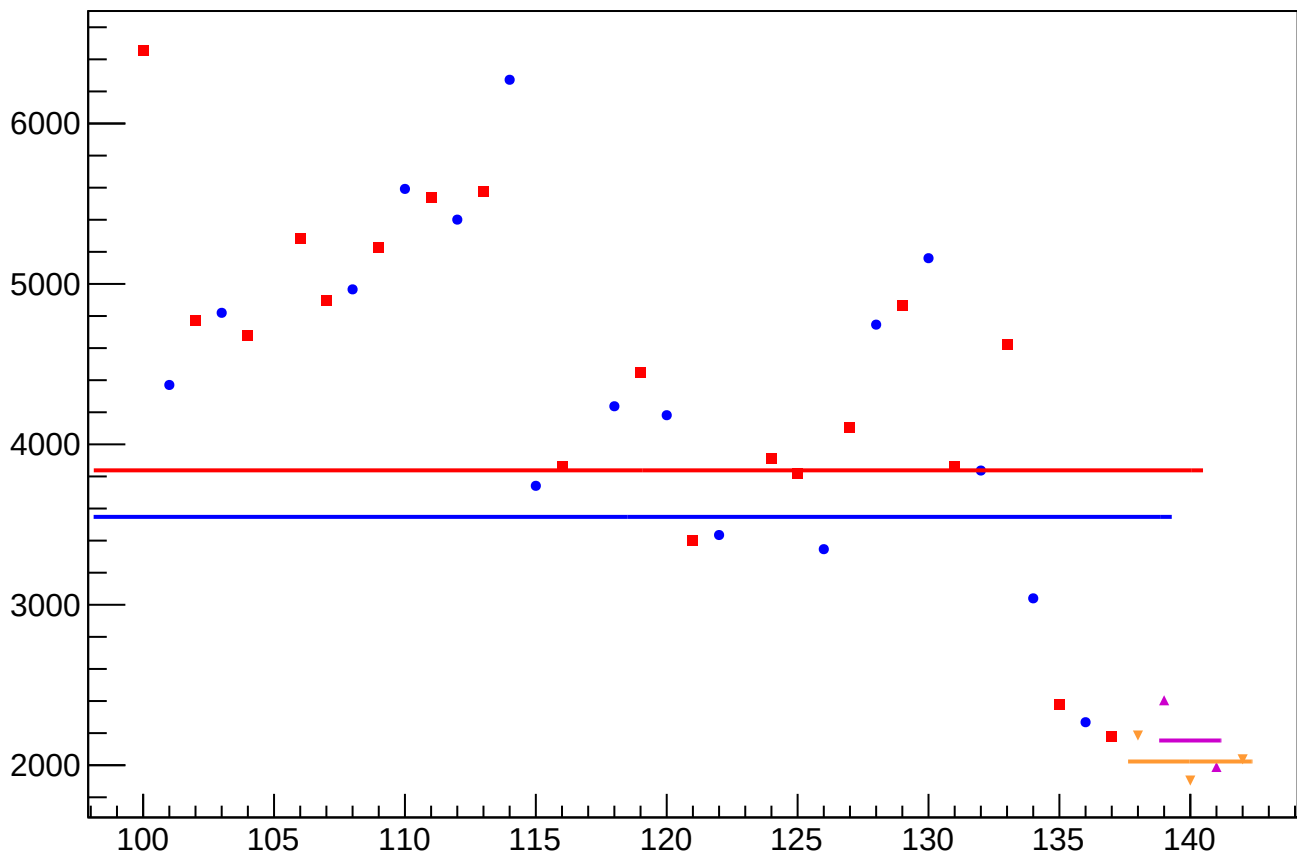
Left In: -734.055 ± 1646.667 χ^2/NDF : 0.5/1

+ sign -1617.294 ± 990.131 χ^2/NDF : 26.0/18

All: -1266.298 ± 733.730 χ^2/NDF : 41.5/39

- sign -838.784 ± 1092.741 χ^2/NDF : 15.1/20

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF : 1258486.8/15

Left Out: 2023.081+/-1.002 χ^2/NDF : 14990.7/2

Right Out: 3837.970+/-1.033 χ^2/NDF : 1155831.8/18

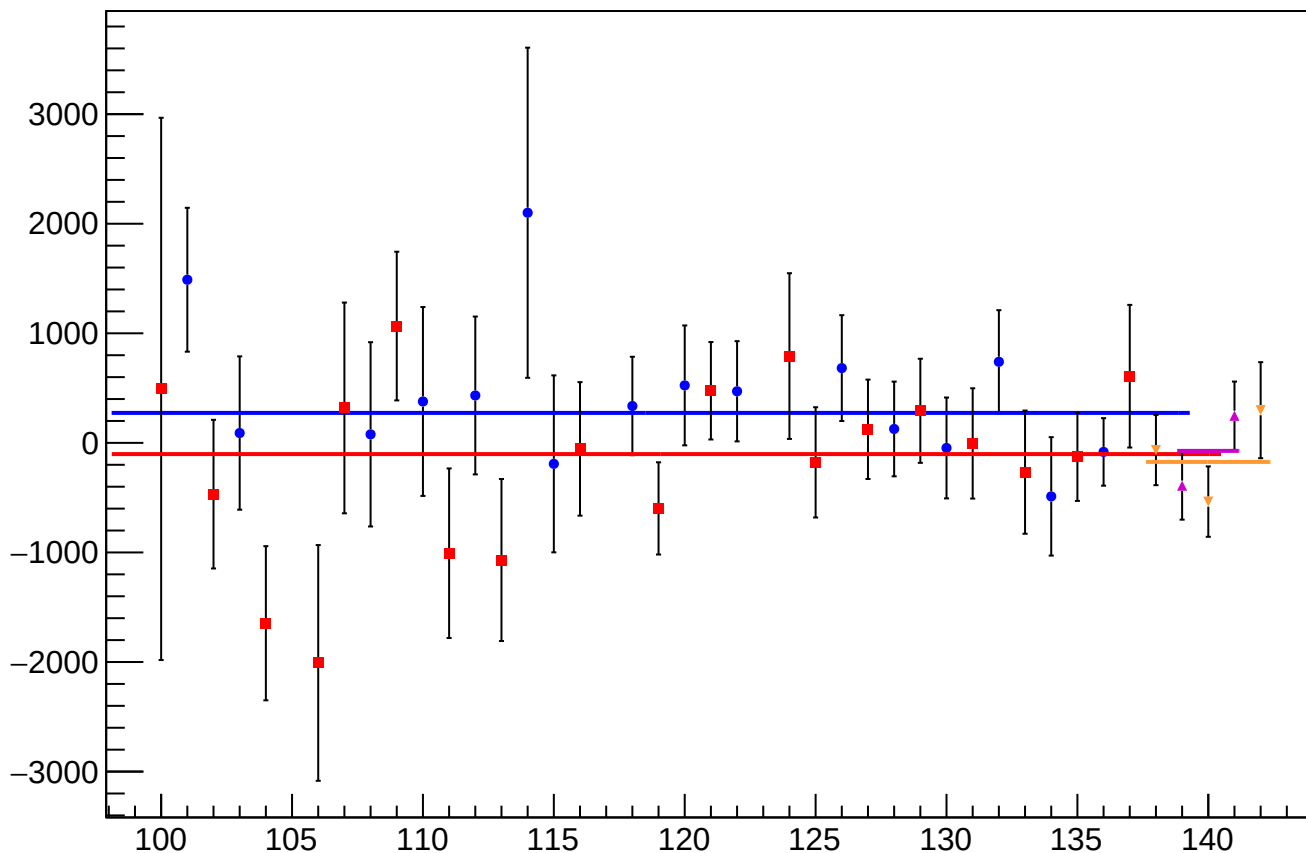
Left In: 2154.015+/-1.164 χ^2/NDF : 30502.5/1

+ sign 2803.385+/-0.700 χ^2/NDF : 2458761.6/18

All: 2935.491+/-0.519 χ^2/NDF : 4894576.0/39

- sign 3096.397+/-0.773 χ^2/NDF : 2356845.9/20

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582 ± 132.536 χ^2/NDF : 11.4/15

Left Out: -173.769 ± 201.478 χ^2/NDF : 2.5/2

Right Out: -102.368 ± 133.606 χ^2/NDF : 21.3/18

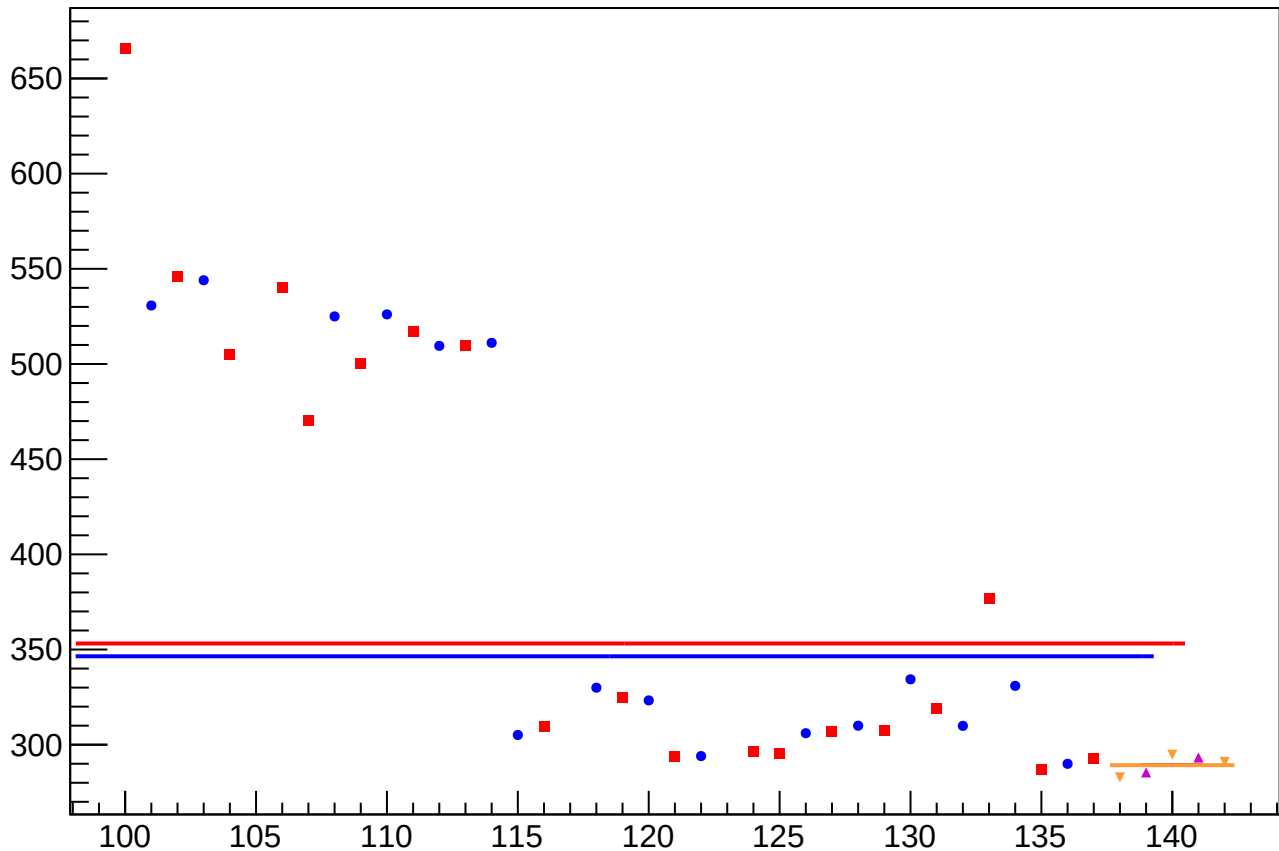
Left In: -73.103 ± 219.989 χ^2/NDF : 2.1/1

+ sign 138.469 ± 110.727 χ^2/NDF : 17.4/18

All: 25.584 ± 79.494 χ^2/NDF : 43.0/39

- sign -94.482 ± 114.195 χ^2/NDF : 23.4/20

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453 $\pm$ 0.094 χ^2 /NDF: 768754.7/15

Left Out: 289.247 $\pm$ 0.142 χ^2 /NDF:1419.0/2

Right Out: 353.176 $\pm$ 0.094 χ^2 /NDF: 866353.6/18

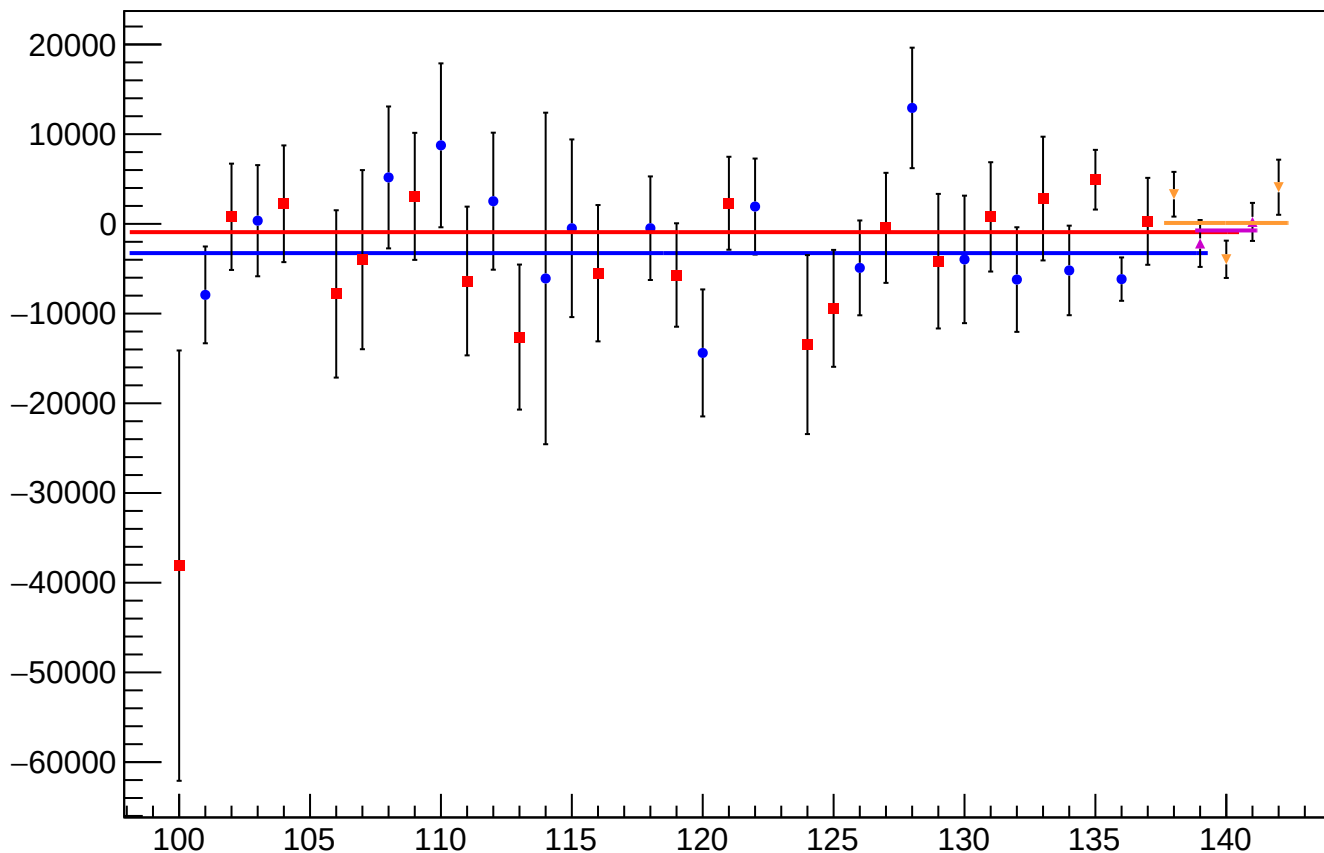
Left In: 289.350 $\pm$ 0.156 χ^2 /NDF:637.7/1

+ sign 329.175 $\pm$ 0.078 χ^2 /NDF: 882711.3/18

All: 332.472 $\pm$ 0.056 χ^2 /NDF: 1876351.0/39

- sign 335.978 $\pm$ 0.081 χ^2 /NDF: 989981.2/20

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828 ± 1384.137 χ^2/NDF : 16.0/15

Left Out: 102.995 ± 1416.950 χ^2/NDF : 7.1/2

Right Out: -921.200 ± 1460.725 χ^2/NDF : 14.6/18

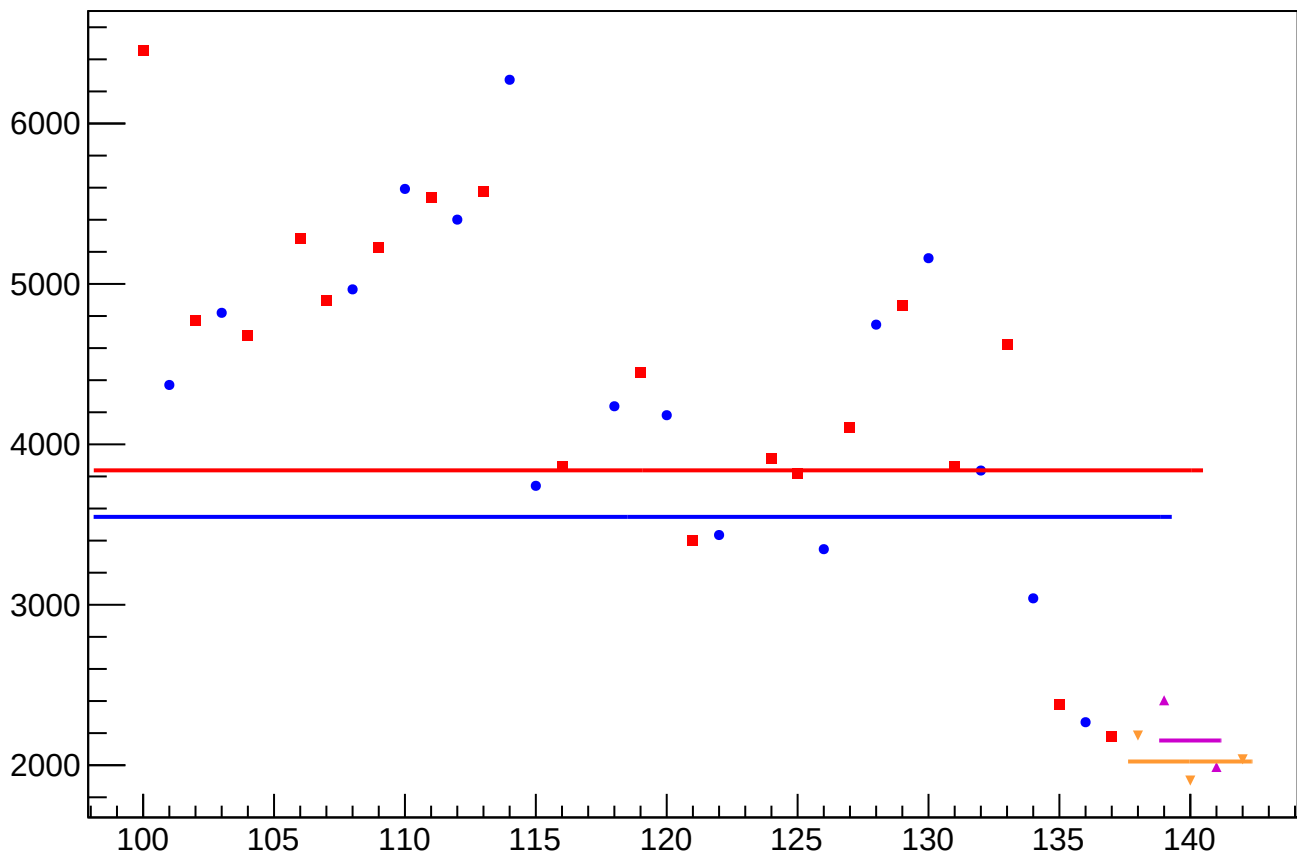
Left In: -734.058 ± 1646.666 χ^2/NDF : 0.5/1

+ sign -1617.292 ± 990.130 χ^2/NDF : 26.0/18

All: -1266.299 ± 733.729 χ^2/NDF : 41.5/39

- sign -838.787 ± 1092.740 χ^2/NDF : 15.1/20

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF : 1258472.8/15

Left Out: 2023.081+/-1.002 χ^2/NDF : 14990.0/2

Right Out: 3837.965+/-1.033 χ^2/NDF : 1155821.5/18

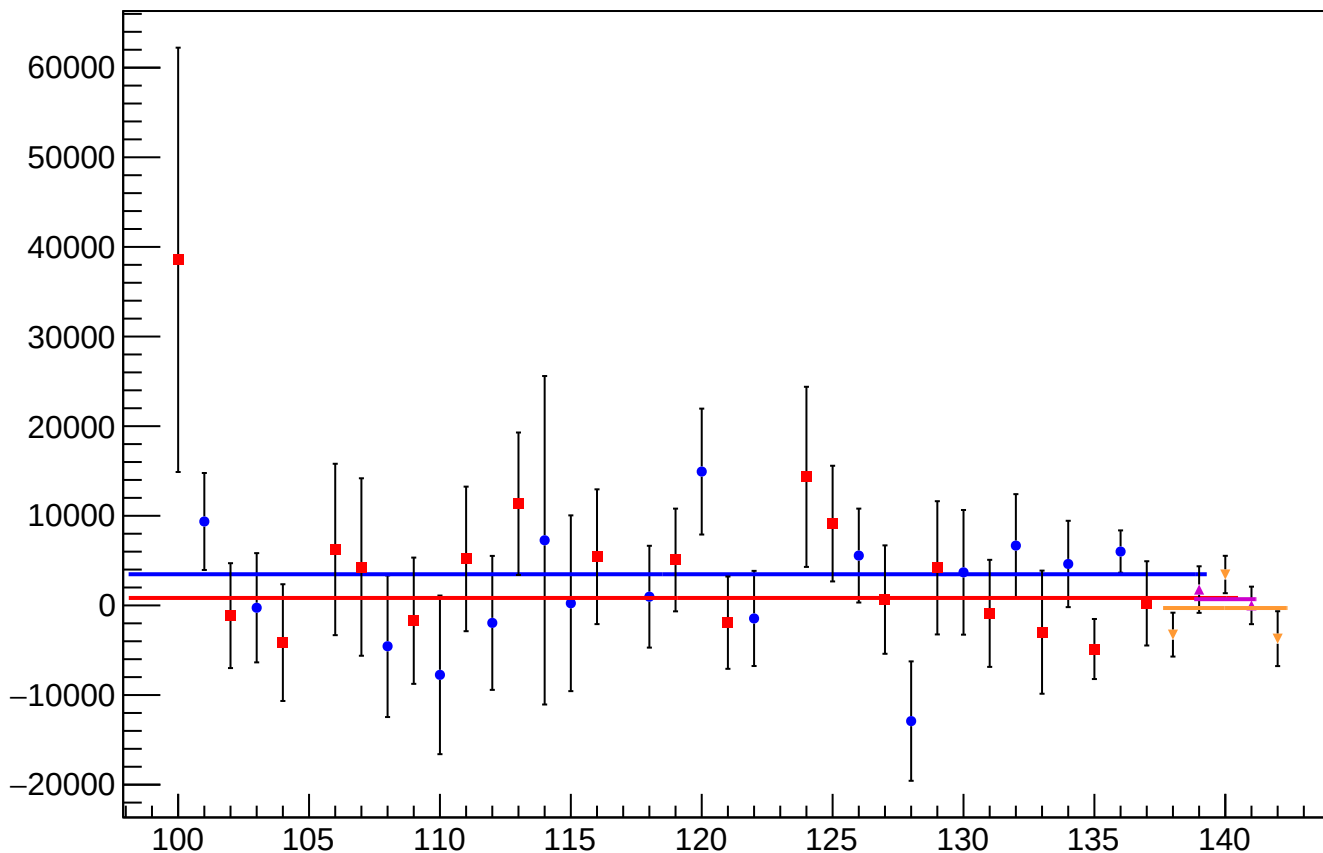
Left In: 2154.014+/-1.164 χ^2/NDF : 30501.1/1

+ sign 2803.384+/-0.700 χ^2/NDF : 2458743.8/18

All: 2935.489+/-0.519 χ^2/NDF : 4894544.3/39

- sign 3096.394+/-0.773 χ^2/NDF : 2356832.8/20

asym_sam2_mean vs Slug



Right In: 3478.372 $\pm$ 1360.356 χ^2 /NDF: 16.3/15

Left Out: -290.396 $\pm$ 1409.398 χ^2 /NDF: 5.9/2

Right Out: 832.583 $\pm$ 1449.649 χ^2 /NDF: 14.0/18

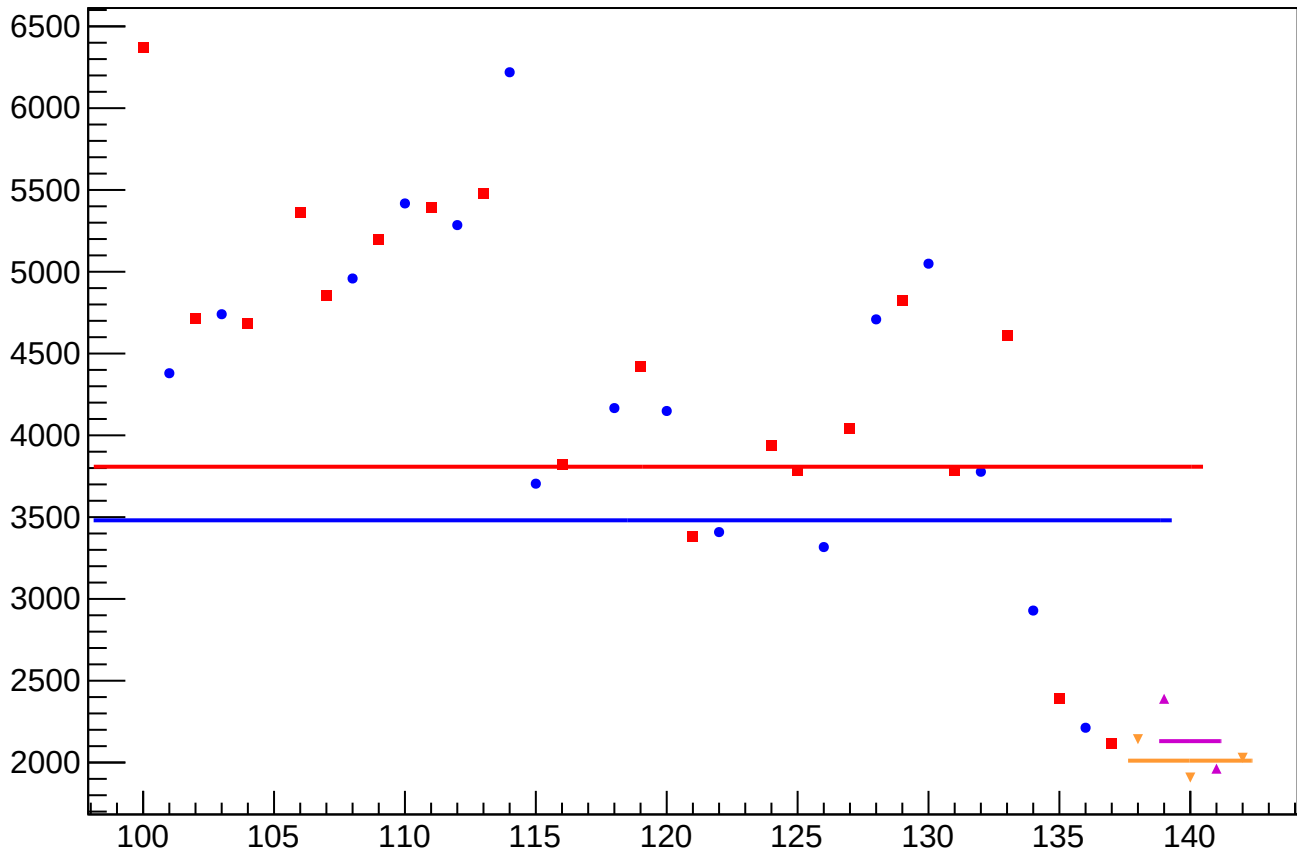
Left In: 696.941 $\pm$ 1629.790 χ^2 /NDF: 0.3/1

+ sign 1660.699 $\pm$ 978.796 χ^2 /NDF: 26.0/18

All: 1261.520 $\pm$ 726.217 χ^2 /NDF: 40.6/39

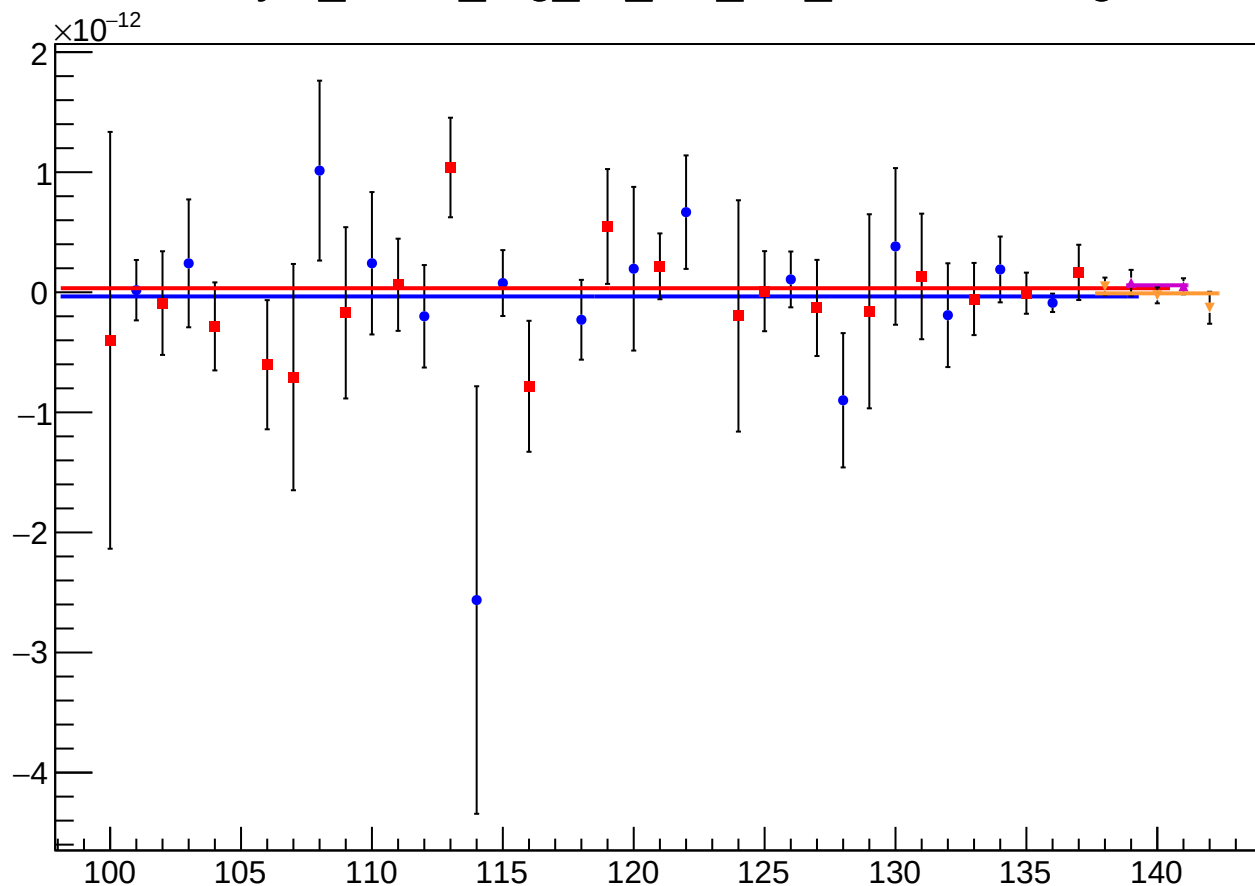
- sign 772.670 $\pm$ 1083.168 χ^2 /NDF: 14.3/20

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF : 1296641.6/15 + sign 2771.965+/-0.692 χ^2/NDF : 2432488.6/18
 Left Out: 2011.358+/-0.997 χ^2/NDF : 10713.2/2 All: 2904.675+/-0.514 χ^2/NDF : 4877560.1/39
 Right Out: 3808.151+/-1.025 χ^2/NDF : 1147564.2/18 - sign 3067.198+/-0.766 χ^2/NDF : 2363278.2/20
 Left In: 2130.654+/-1.152 χ^2/NDF : 32789.4/1

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 : 1.5/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.5/18

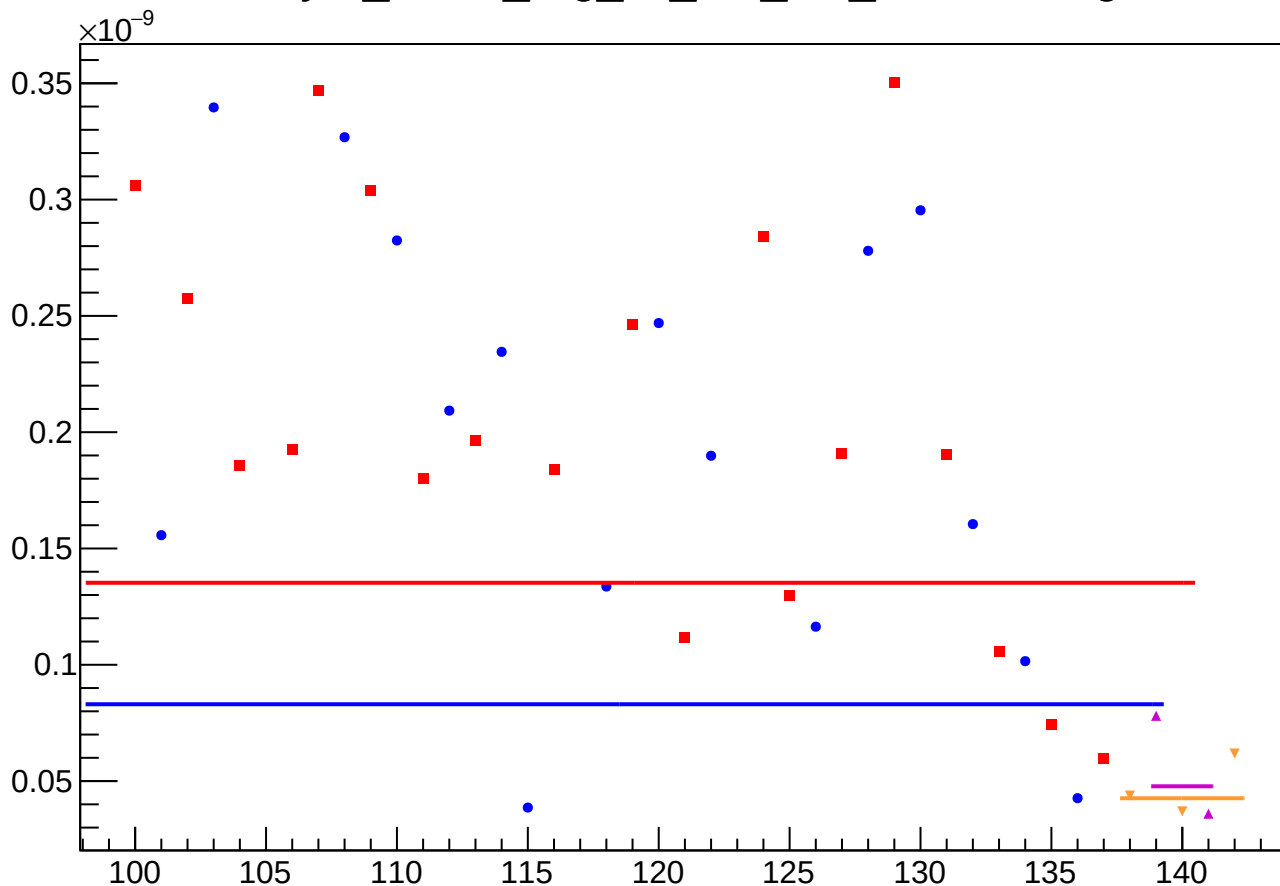
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 13.5/18

All: 0.000 ± 0.000 χ^2/NDF : 28.5/39

- sign 0.000 ± 0.000 χ^2/NDF : 13.6/20

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2702339.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 56740.6/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1401659.7/18

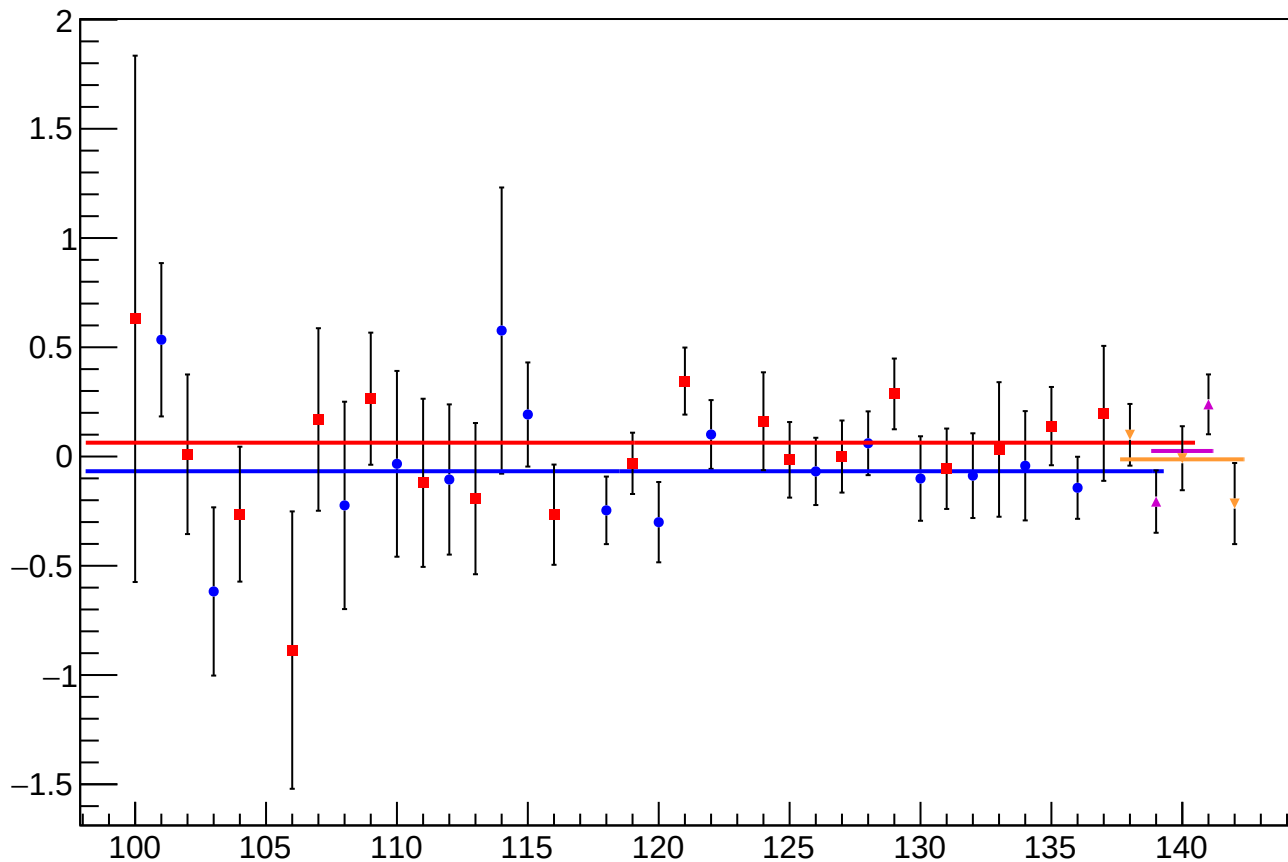
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 223047.2/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3321826.7/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6585728.6/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3097478.9/20

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: -0.013 ± 0.089 χ^2/NDF : 1.8/2

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

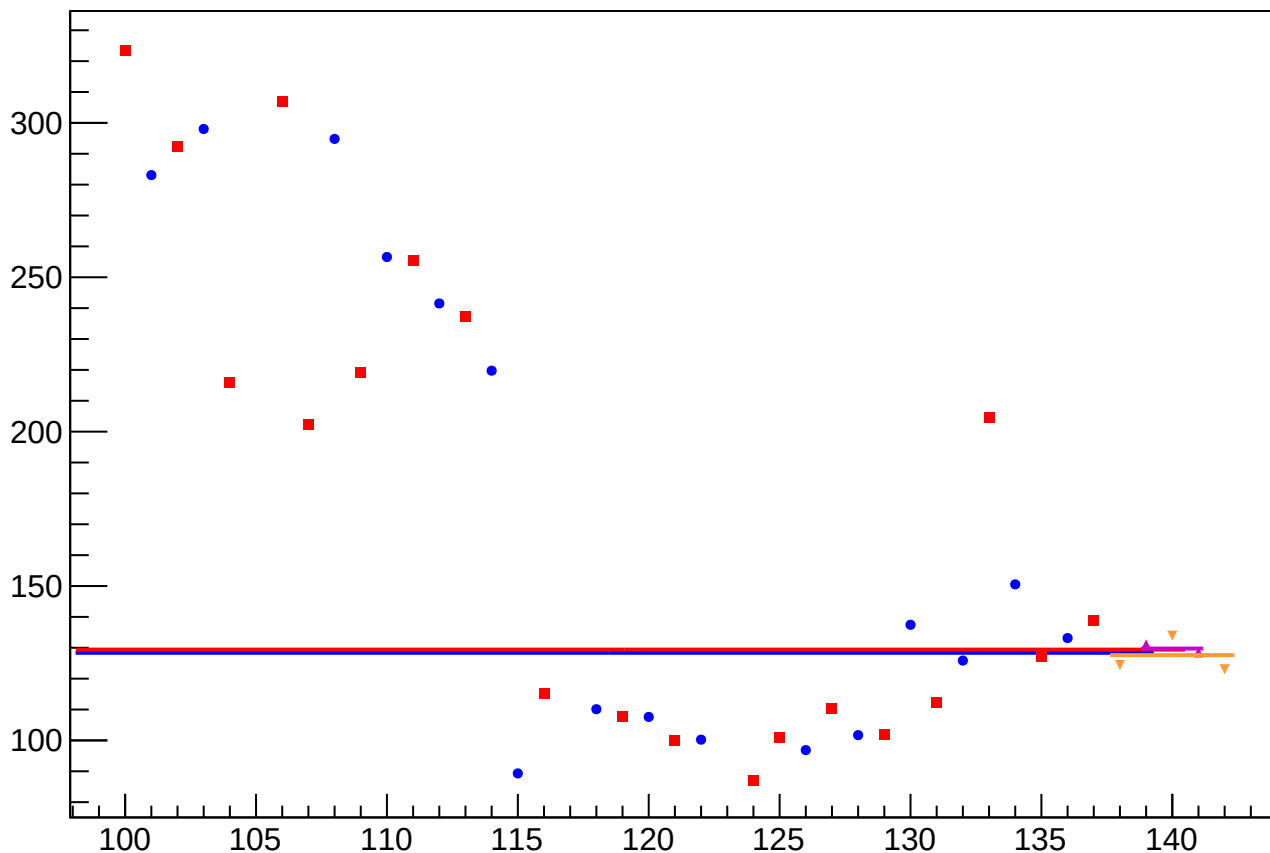
Left In: 0.025 ± 0.099 χ^2/NDF : 5.1/1

+ sign -0.054 ± 0.045 χ^2/NDF : 14.6/18

All: -0.000 ± 0.032 χ^2/NDF : 36.7/39

- sign 0.055 ± 0.046 χ^2/NDF : 19.2/20

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380 $\pm$ 0.037 χ^2 /NDF: 1805078.6/15

Left Out: 127.617 $\pm$ 0.063 χ^2 /NDF:5961.1/2

Right Out: 129.399 $\pm$ 0.037 χ^2 /NDF: 1888271.6/18

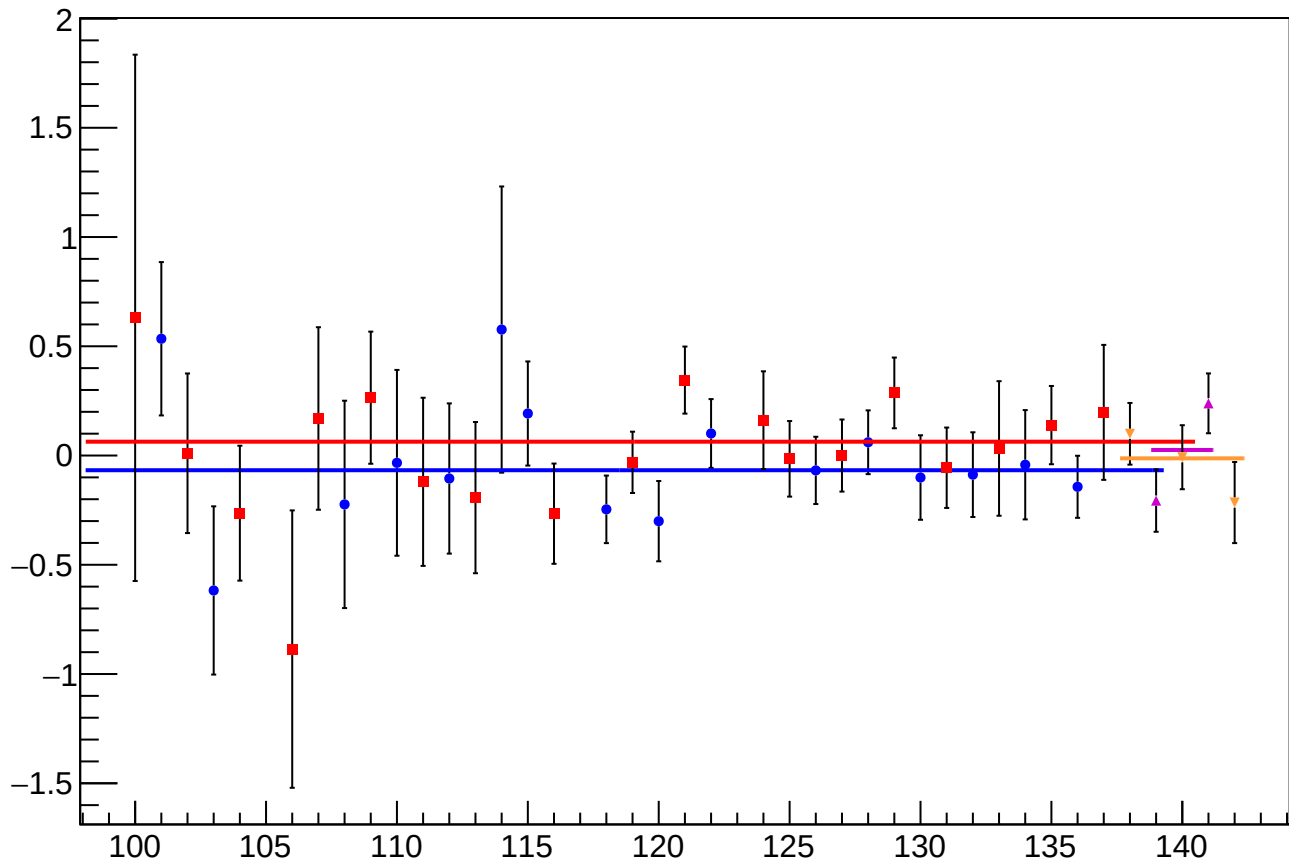
Left In: 129.742 $\pm$ 0.070 χ^2 /NDF:344.5/1

+ sign 128.187 $\pm$ 0.032 χ^2 /NDF: 1811149.1/18

All: 128.816 $\pm$ 0.023 χ^2 /NDF: 3700590.2/39

- sign 129.473 $\pm$ 0.032 χ^2 /NDF: 1888635.1/20

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: -0.013 ± 0.089 χ^2/NDF : 1.8/2

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

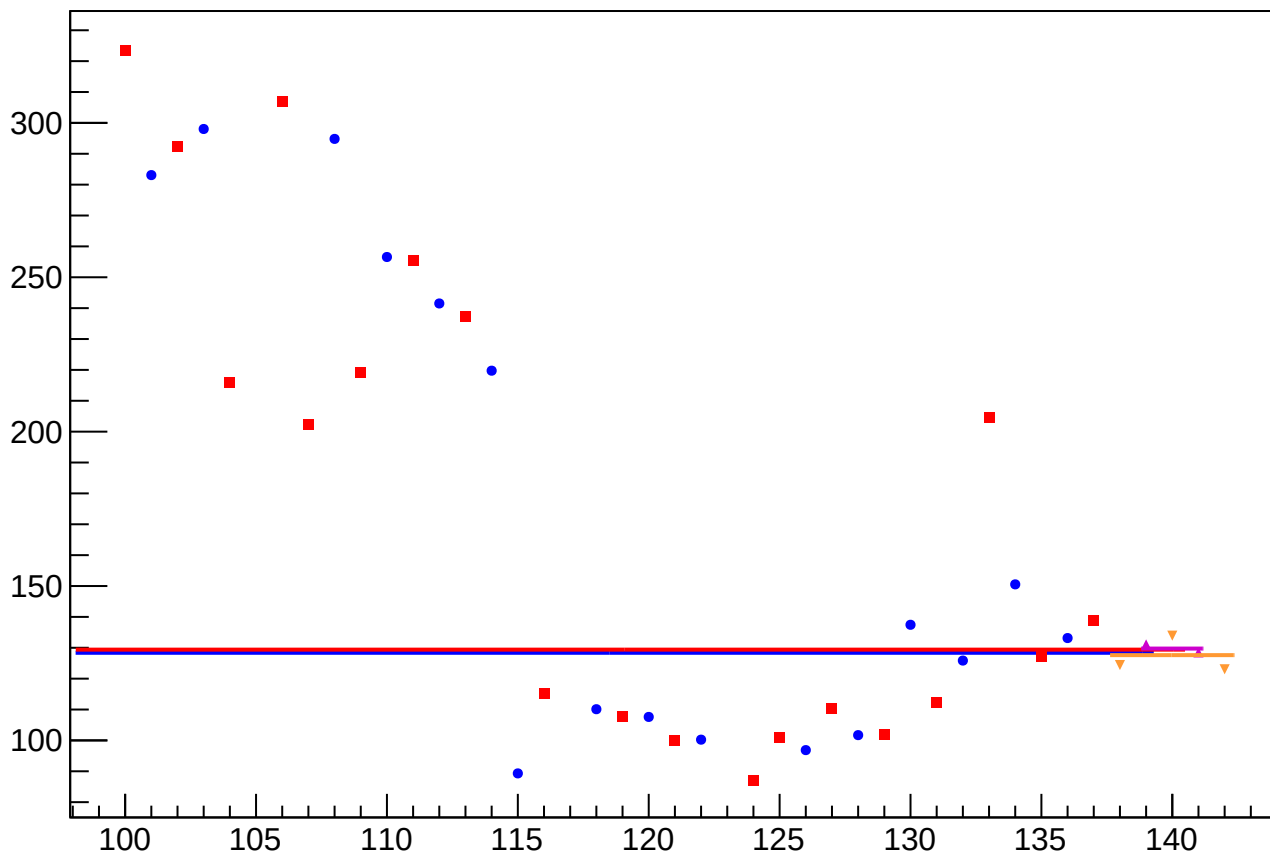
Left In: 0.025 ± 0.099 χ^2/NDF : 5.1/1

+ sign -0.054 ± 0.045 χ^2/NDF : 14.6/18

All: -0.000 ± 0.032 χ^2/NDF : 36.7/39

- sign 0.055 ± 0.046 χ^2/NDF : 19.2/20

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380 $\pm$ 0.037 χ^2 /NDF: 1805078.6/15

Left Out: 127.617 $\pm$ 0.063 χ^2 /NDF:5961.1/2

Right Out: 129.399 $\pm$ 0.037 χ^2 /NDF: 1888271.6/18

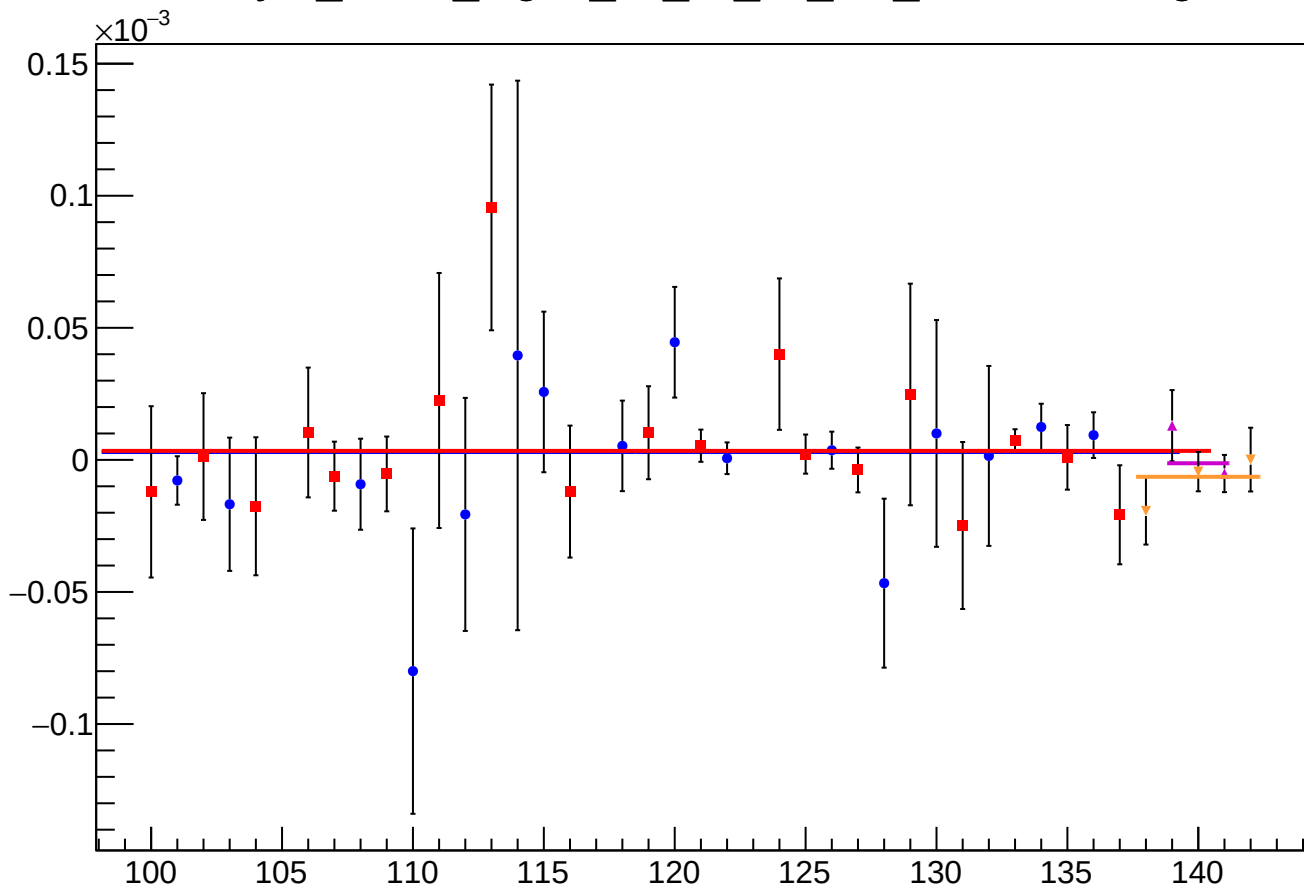
Left In: 129.742 $\pm$ 0.070 χ^2 /NDF:344.5/1

+ sign 128.187 $\pm$ 0.032 χ^2 /NDF: 1811149.1/18

All: 128.816 $\pm$ 0.023 χ^2 /NDF: 3700590.2/39

- sign 129.473 $\pm$ 0.032 χ^2 /NDF: 1888635.1/20

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.1/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:1.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/18

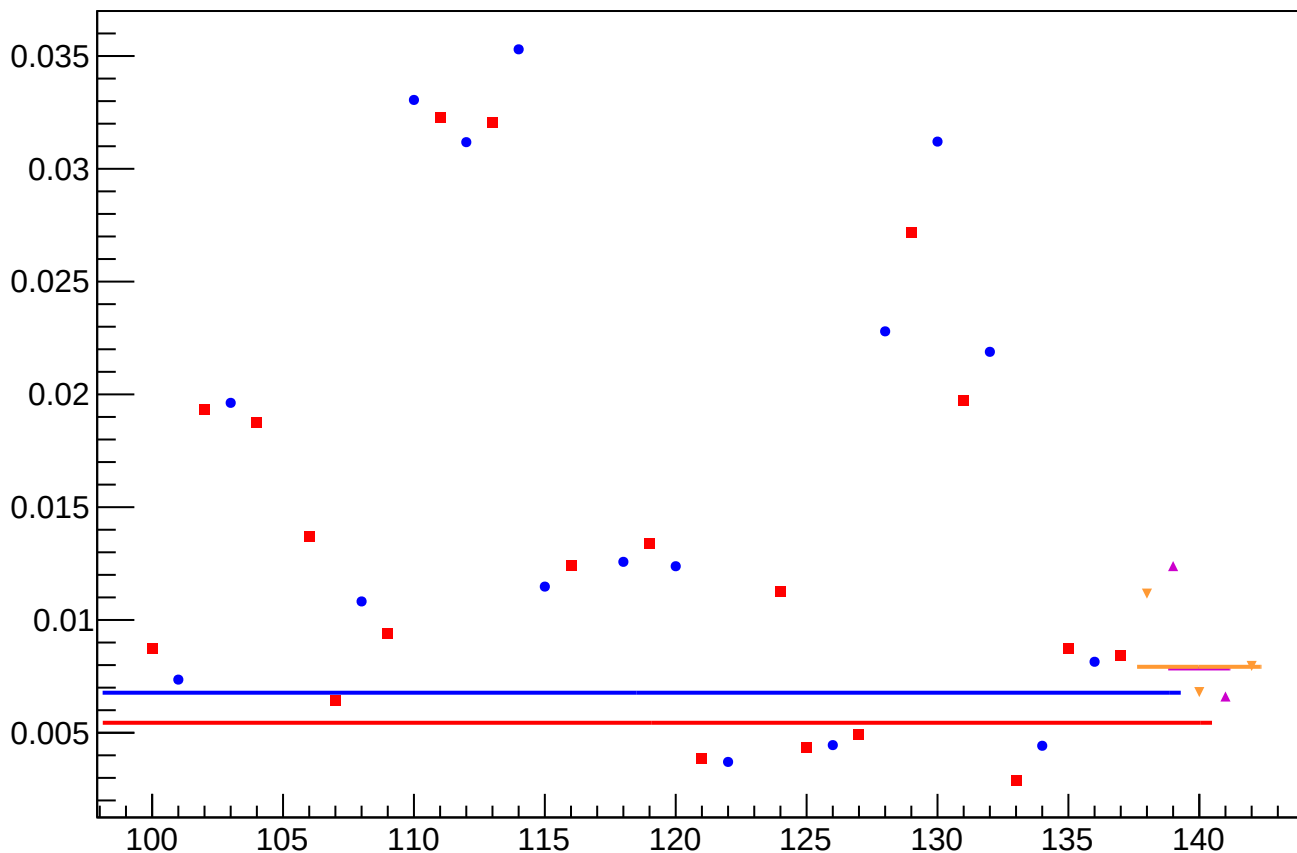
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:1.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.3/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/20

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 : 175138.8/2

Right Out: 0.005+/-0.000 χ^2/NDF : 5572364.1/18

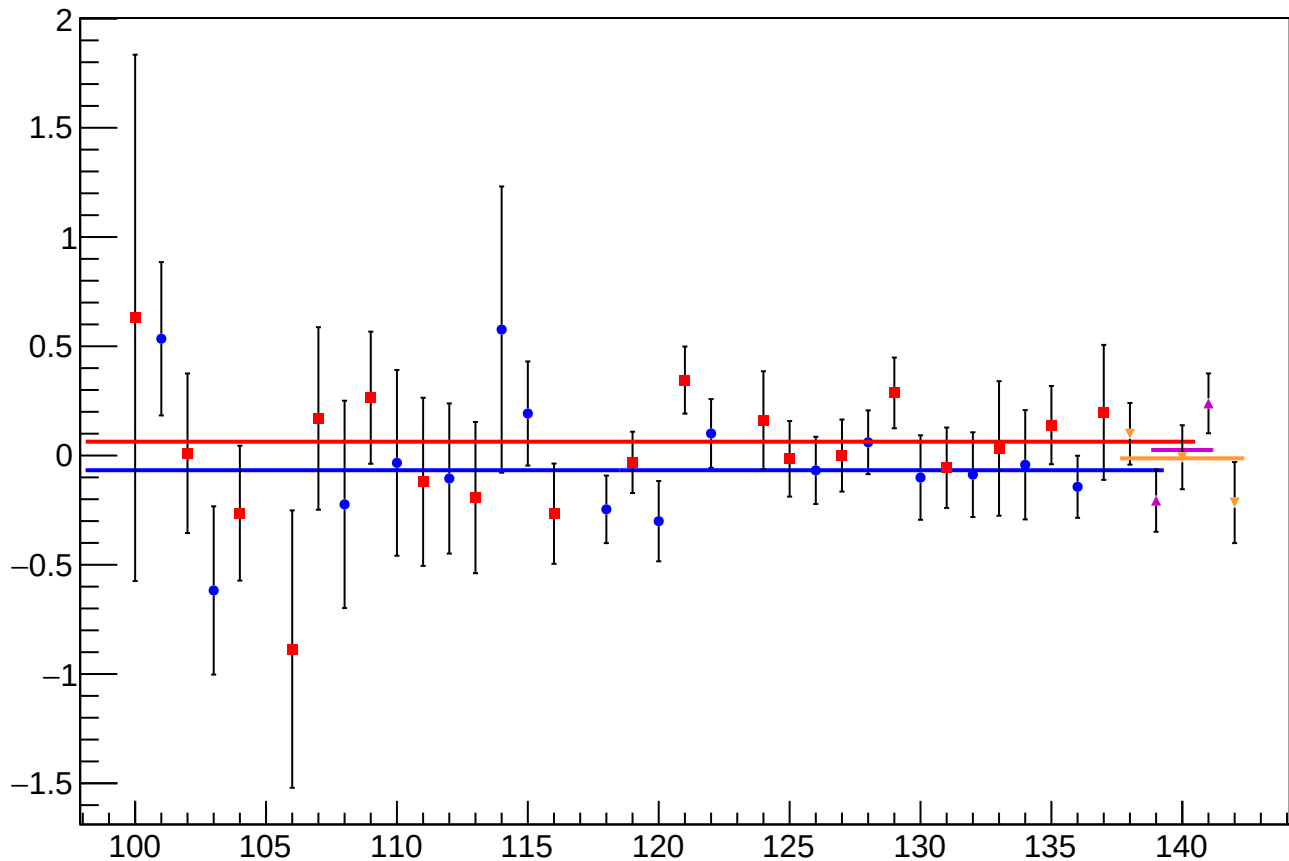
Left In: 0.008+/-0.000 χ^2/NDF : 288973.5/1

+ sign 0.007+/-0.000 χ^2/NDF : 5010248.3/18

All: 0.006+/-0.000 χ^2/NDF : 11359285.9/39

- sign 0.006+/-0.000 χ^2/NDF : 6114664.8/20

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 $\chi^2/\text{NDF}: 12.5/15$

Left Out: -0.013 ± 0.089 $\chi^2/\text{NDF}: 1.8/2$

Right Out: 0.063 ± 0.052 $\chi^2/\text{NDF}: 14.0/18$

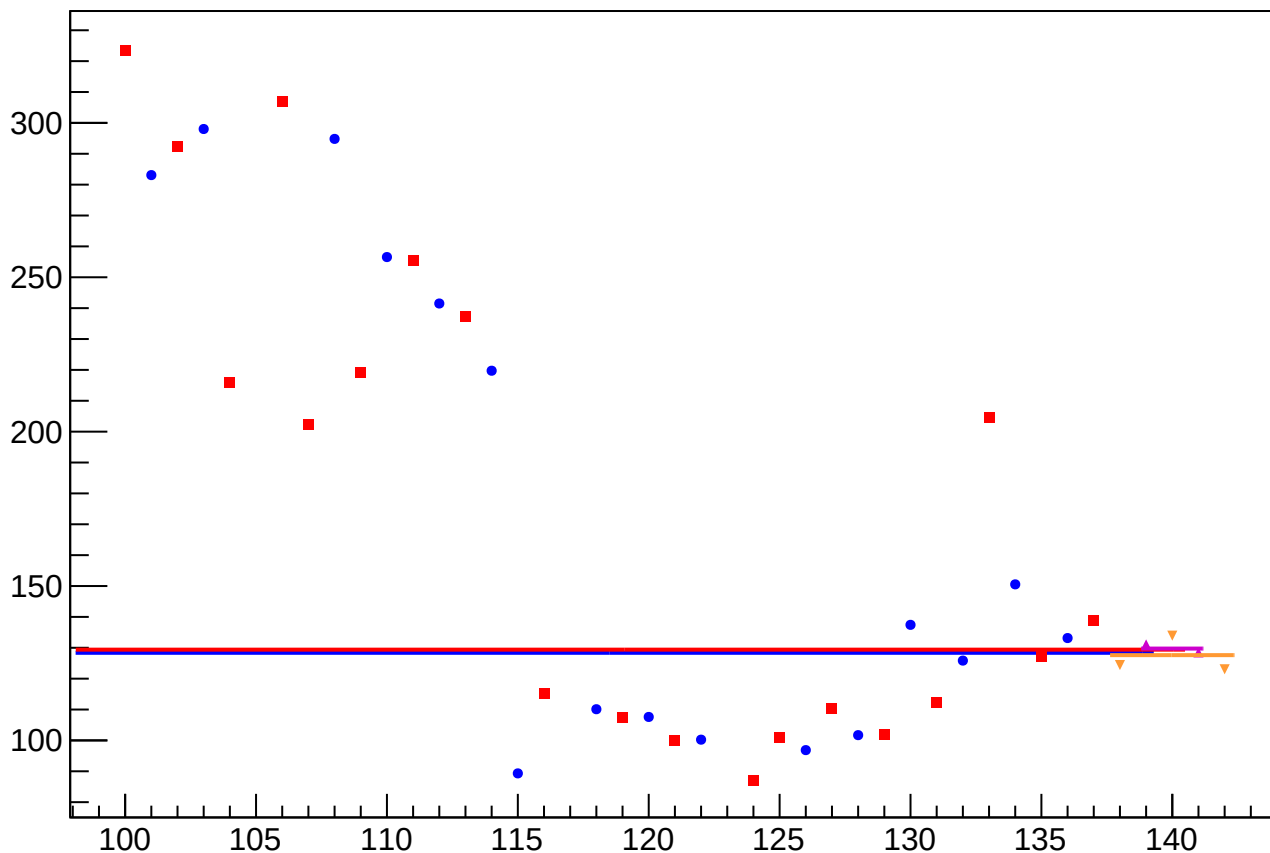
Left In: 0.025 ± 0.099 $\chi^2/\text{NDF}: 5.1/1$

+ sign -0.054 ± 0.045 $\chi^2/\text{NDF}: 14.6/18$

All: -0.000 ± 0.032 $\chi^2/\text{NDF}: 36.7/39$

- sign 0.055 ± 0.046 $\chi^2/\text{NDF}: 19.2/20$

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF : 1805026.7/15

Left Out: 127.617+/-0.063 χ^2/NDF : 5962.7/2

Right Out: 129.396+/-0.036 χ^2/NDF : 1888272.8/18

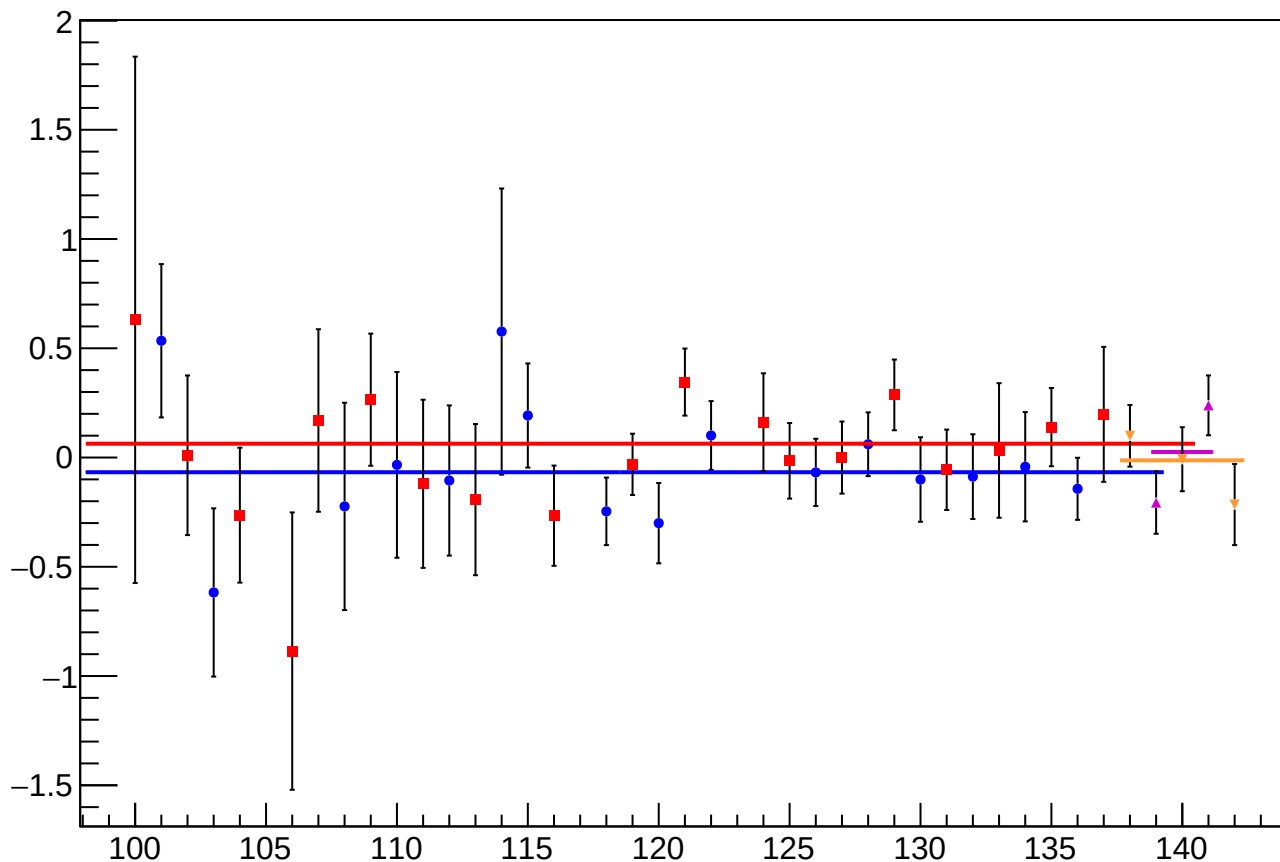
Left In: 129.743+/-0.070 χ^2/NDF : 344.0/1

+ sign 128.185+/-0.032 χ^2/NDF : 1811098.1/18

All: 128.814+/-0.023 χ^2/NDF : 3700540.1/39

- sign 129.470+/-0.032 χ^2/NDF : 1888636.1/20

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: -0.013 ± 0.089 χ^2/NDF : 1.8/2

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

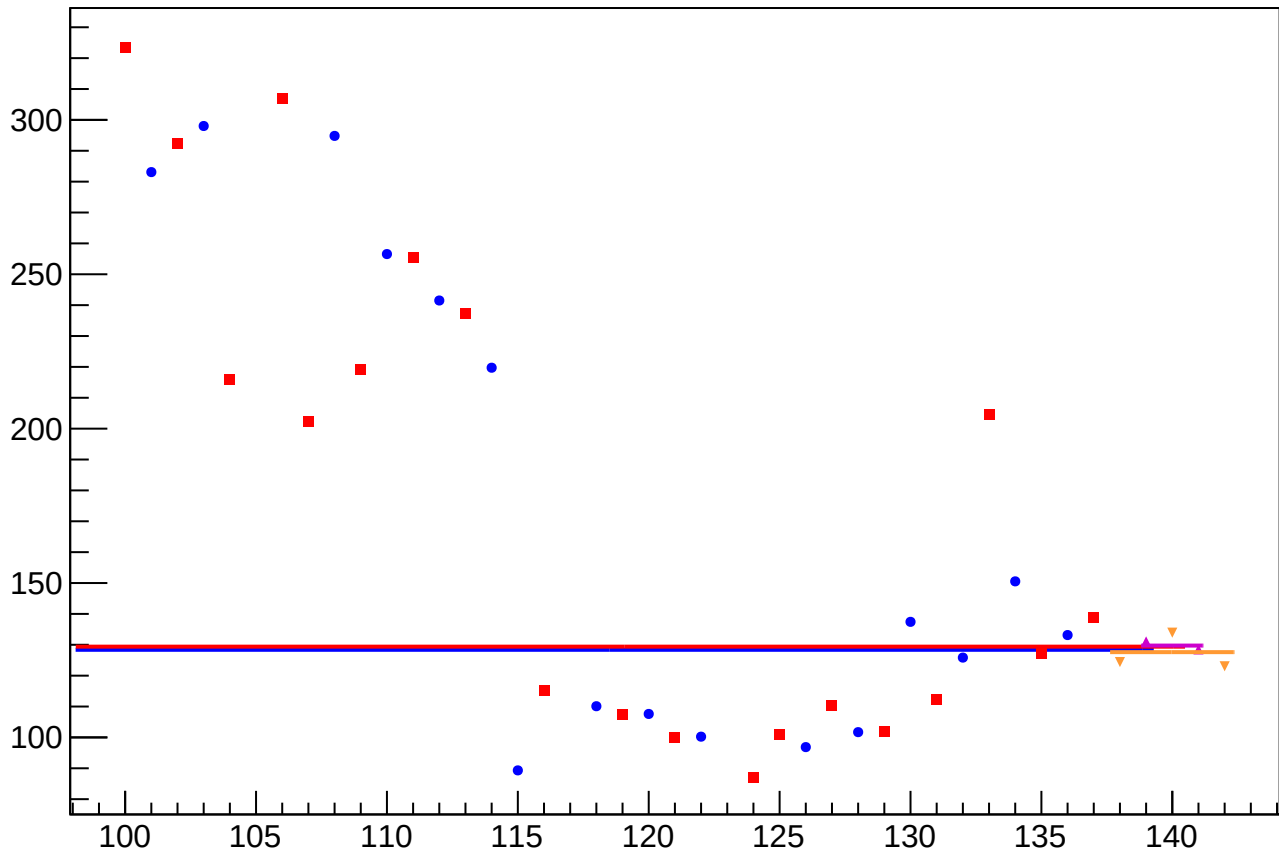
Left In: 0.025 ± 0.099 χ^2/NDF : 5.1/1

+ sign -0.054 ± 0.045 χ^2/NDF : 14.6/18

All: -0.000 ± 0.032 χ^2/NDF : 36.7/39

- sign 0.055 ± 0.046 χ^2/NDF : 19.2/20

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: 127.617 $\pm$ 0.063 χ^2 /NDF: 5962.7/2

Right Out: 129.396 $\pm$ 0.036 χ^2 /NDF: 1888272.8/18

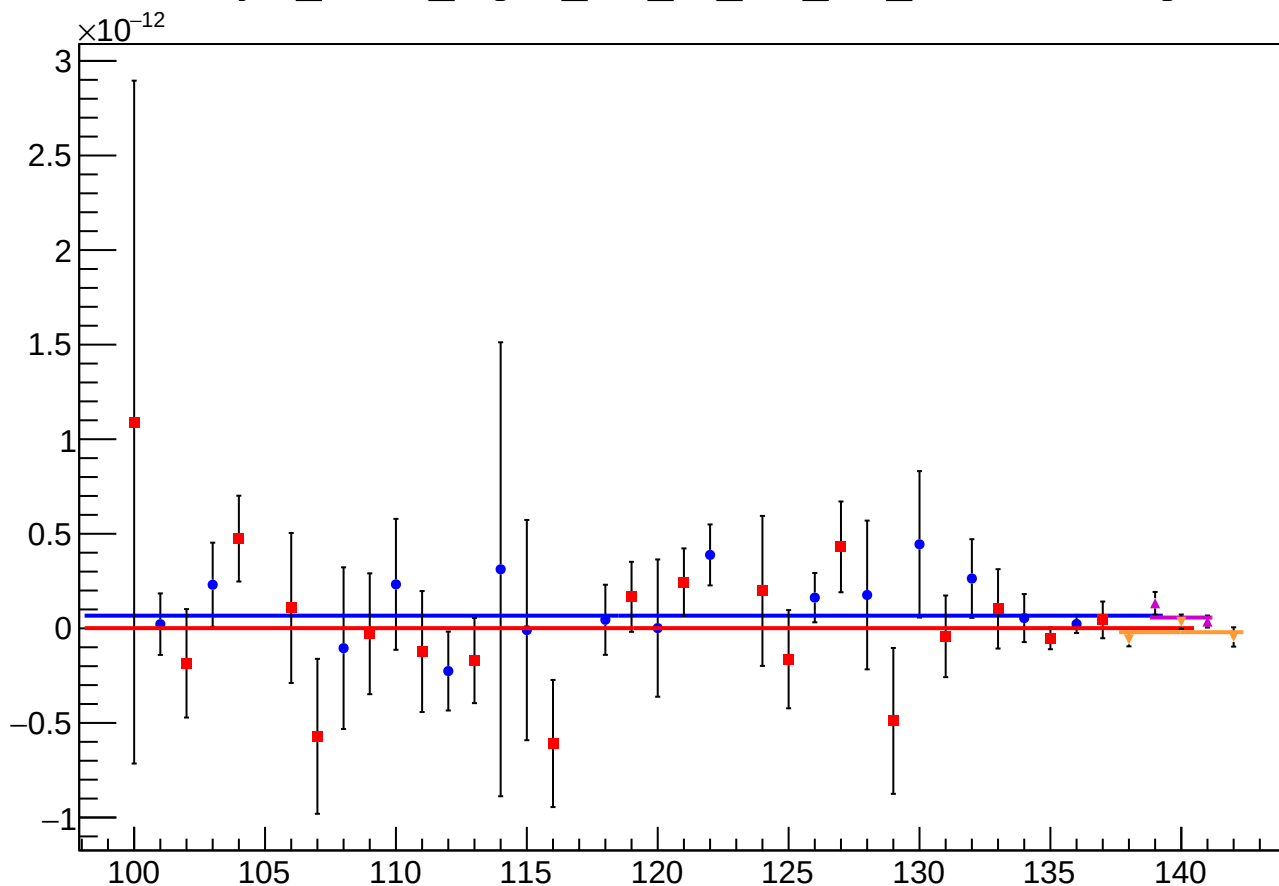
Left In: 129.743 $\pm$ 0.070 χ^2 /NDF: 344.0/1

+ sign 128.185 $\pm$ 0.032 χ^2 /NDF: 1811098.1/18

All: 128.814 $\pm$ 0.023 χ^2 /NDF: 3700540.1/39

- sign 129.470 $\pm$ 0.032 χ^2 /NDF: 1888636.1/20

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: 3.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/18

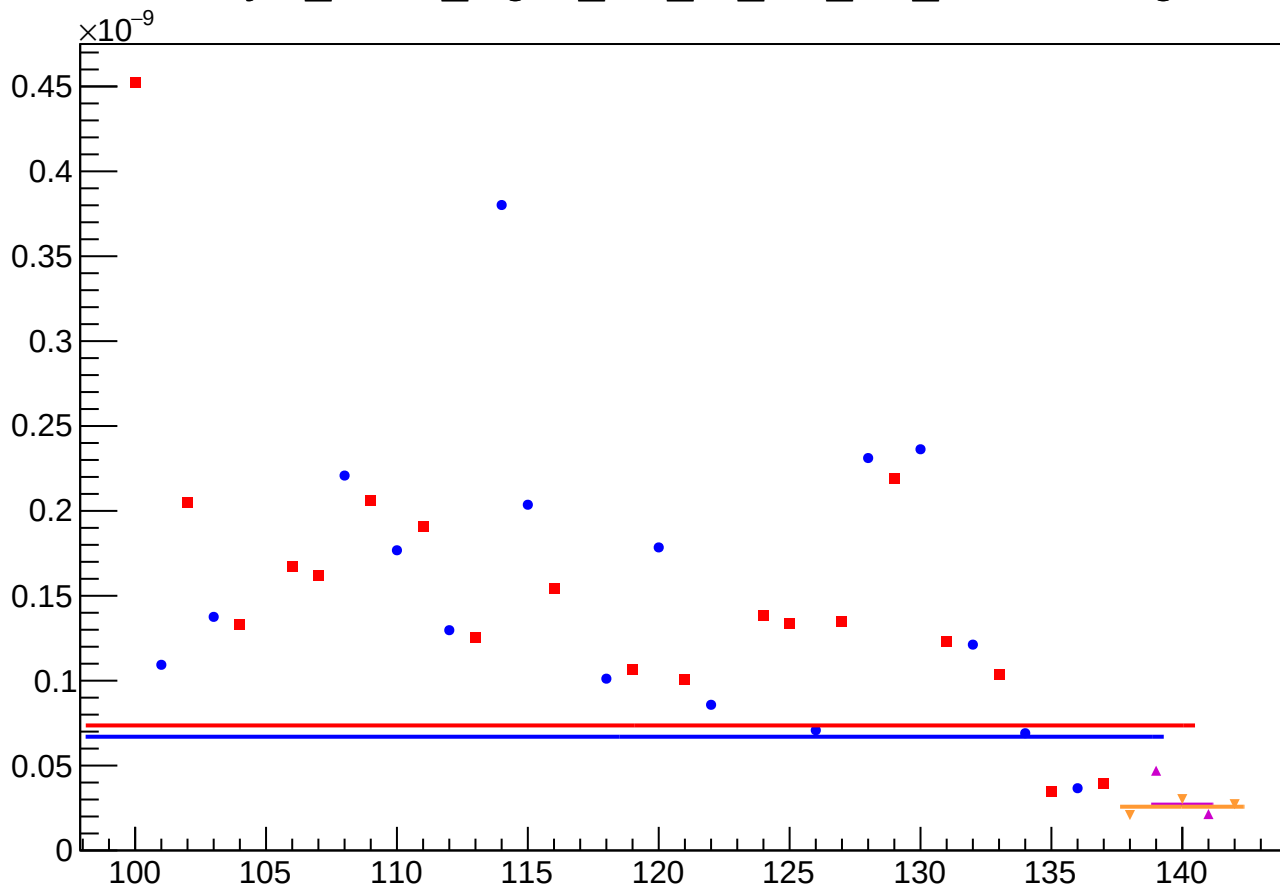
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.0/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/20

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:64425.4/2

Right Out: 0.000+/-0.000 χ^2 /NDF: 3653663.9/18

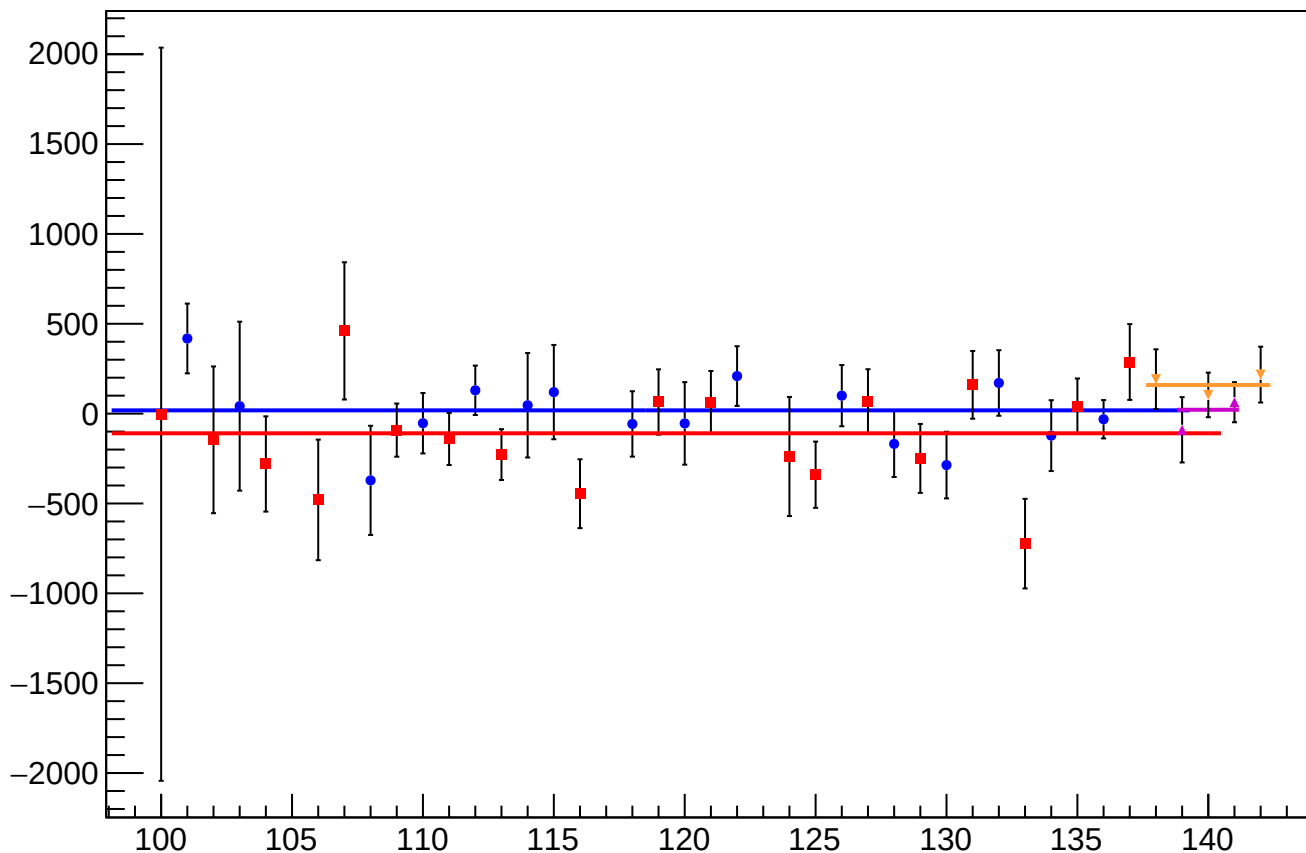
Left In: 0.000+/-0.000 χ^2 /NDF:284070.1/1

+ sign 0.000+/-0.000 χ^2 /NDF: 5072530.7/18

All: 0.000+/-0.000 χ^2 /NDF: 10919769.9/39

- sign 0.000+/-0.000 χ^2 /NDF: 5801841.6/20

reg_asym_sam3_mean vs Slug



Right In: 18.204 $\pm$ 45.704 χ^2 /NDF: 13.9/15

Left Out: 159.257 $\pm$ 83.764 χ^2 /NDF: 0.4/2

Right Out: -109.432 $\pm$ 45.825 χ^2 /NDF: 25.5/18

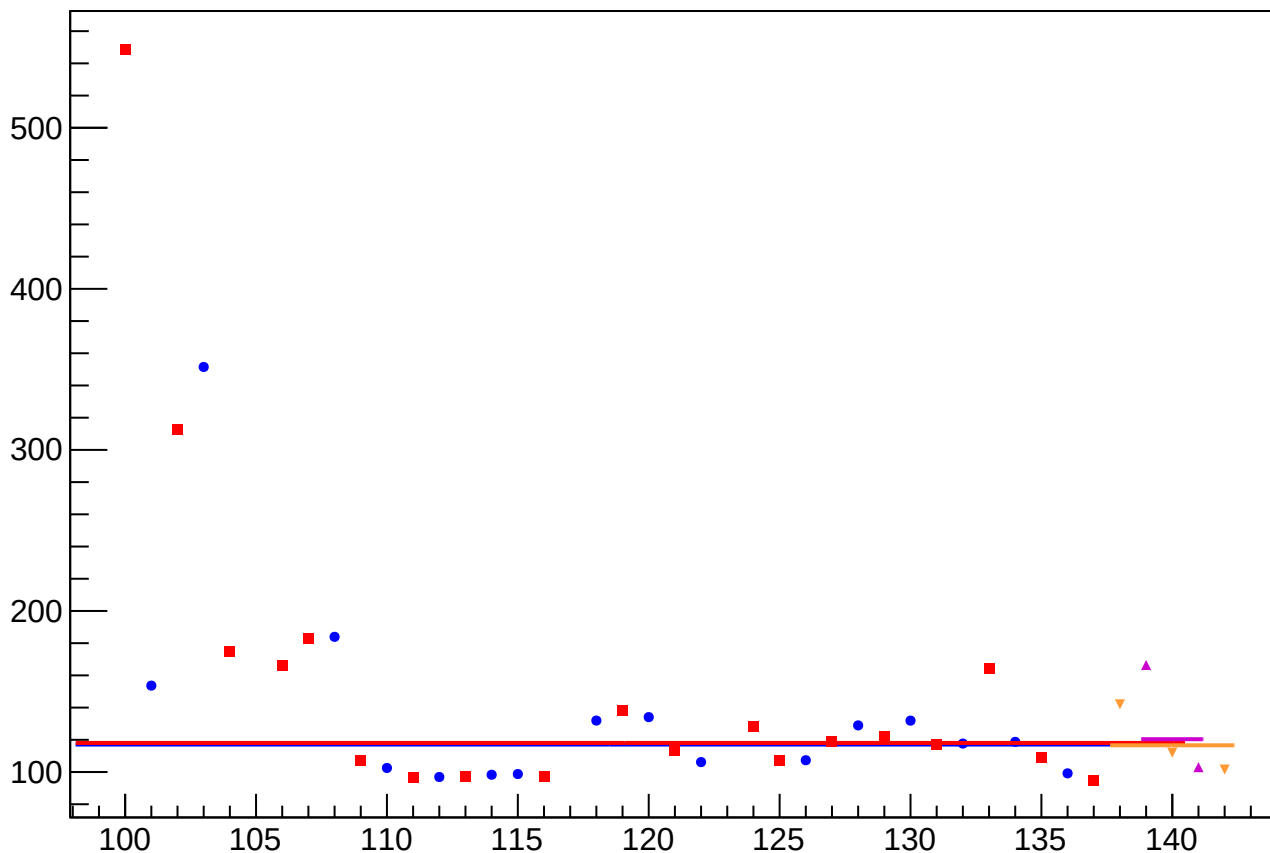
Left In: 21.460 $\pm$ 95.059 χ^2 /NDF: 0.5/1

+ sign 50.564 $\pm$ 40.120 χ^2 /NDF: 16.4/18

All: -15.168 $\pm$ 28.770 χ^2 /NDF: 49.5/39

- sign -84.751 $\pm$ 41.279 χ^2 /NDF: 27.5/20

reg_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858400.8/15

Left Out: 116.589 $\pm$ 0.059 χ^2 /NDF: 68470.5/2

Right Out: 118.057 $\pm$ 0.032 χ^2 /NDF: 990748.0/18

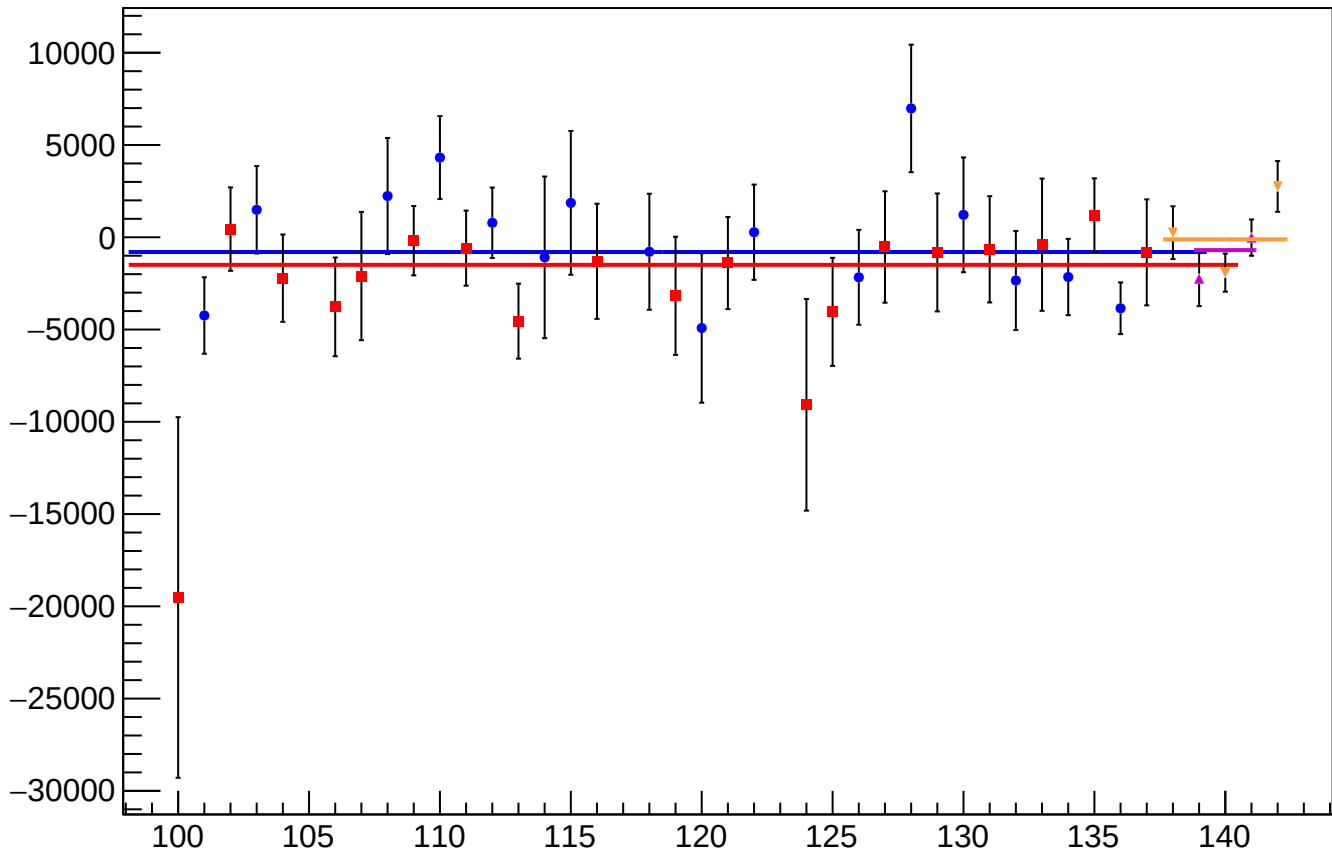
Left In: 120.376 $\pm$ 0.067 χ^2 /NDF: 177044.0/1

+ sign 116.954 $\pm$ 0.028 χ^2 /NDF: 926920.6/18

All: 117.702 $\pm$ 0.020 χ^2 /NDF: 2097110.7/39

- sign 118.495 $\pm$ 0.029 χ^2 /NDF: 1168757.2/20

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF : 23.4/15

Left Out: -112.947+/-714.934 χ^2/NDF : 7.5/2

Right Out: -1493.897+/-613.097 χ^2/NDF : 12.9/18

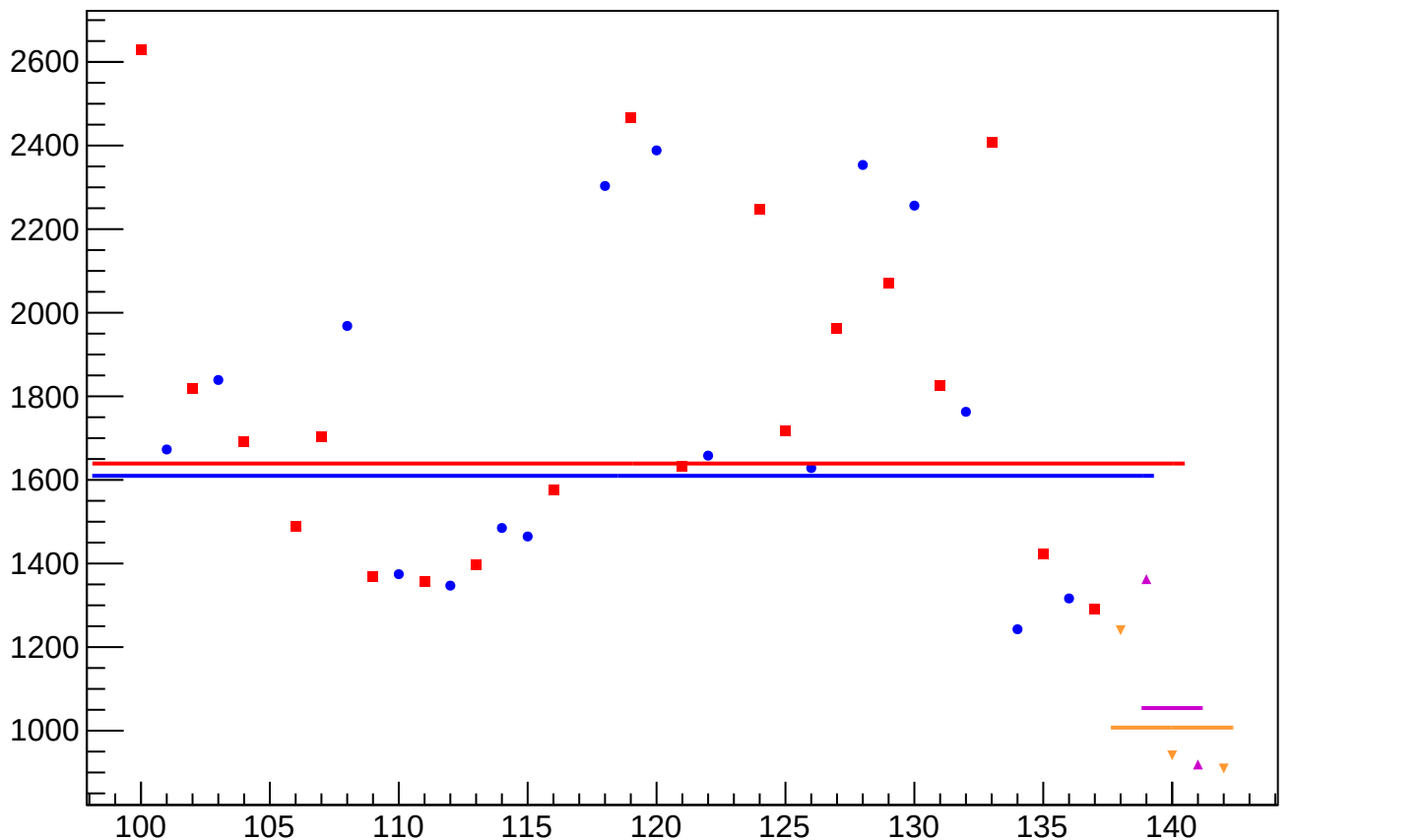
Left In: -695.237+/-820.342 χ^2/NDF : 1.6/1

+ sign -506.762+/-466.672 χ^2/NDF : 31.4/18

All: -839.354+/-338.293 χ^2/NDF : 47.6/39

- sign -1207.672+/-491.097 χ^2/NDF : 15.1/20

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782 $\pm$ 0.436 χ^2/NDF : 619129.2/15

Left Out: 1007.407 $\pm$ 0.506 χ^2/NDF : 71582.9/2

Right Out: 1639.241 $\pm$ 0.434 χ^2/NDF : 520182.2/18

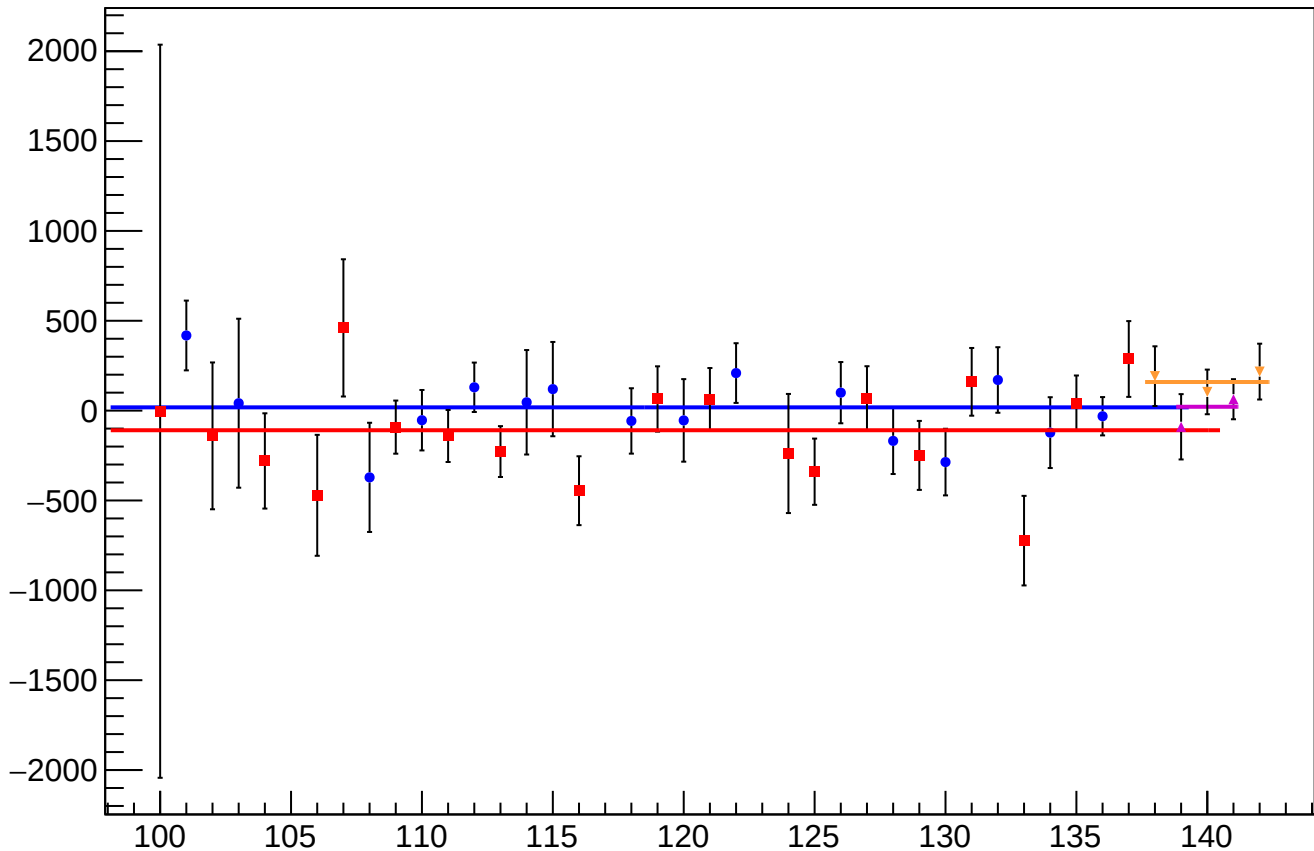
Left In: 1054.137 $\pm$ 0.580 χ^2/NDF : 123766.5/1

+ sign 1353.121 $\pm$ 0.330 χ^2/NDF : 1505571.0/18

All: 1389.388 $\pm$ 0.239 χ^2/NDF : 2827778.8/39

- sign 1429.551 $\pm$ 0.347 χ^2/NDF : 1296752.1/20

cor_asym_sam3_mean vs Slug



Right In: 18.191 ± 45.704 χ^2/NDF : 13.9/15

Left Out: 159.279 ± 83.764 χ^2/NDF : 0.4/2

Right Out: -109.151 ± 45.828 χ^2/NDF : 25.4/18

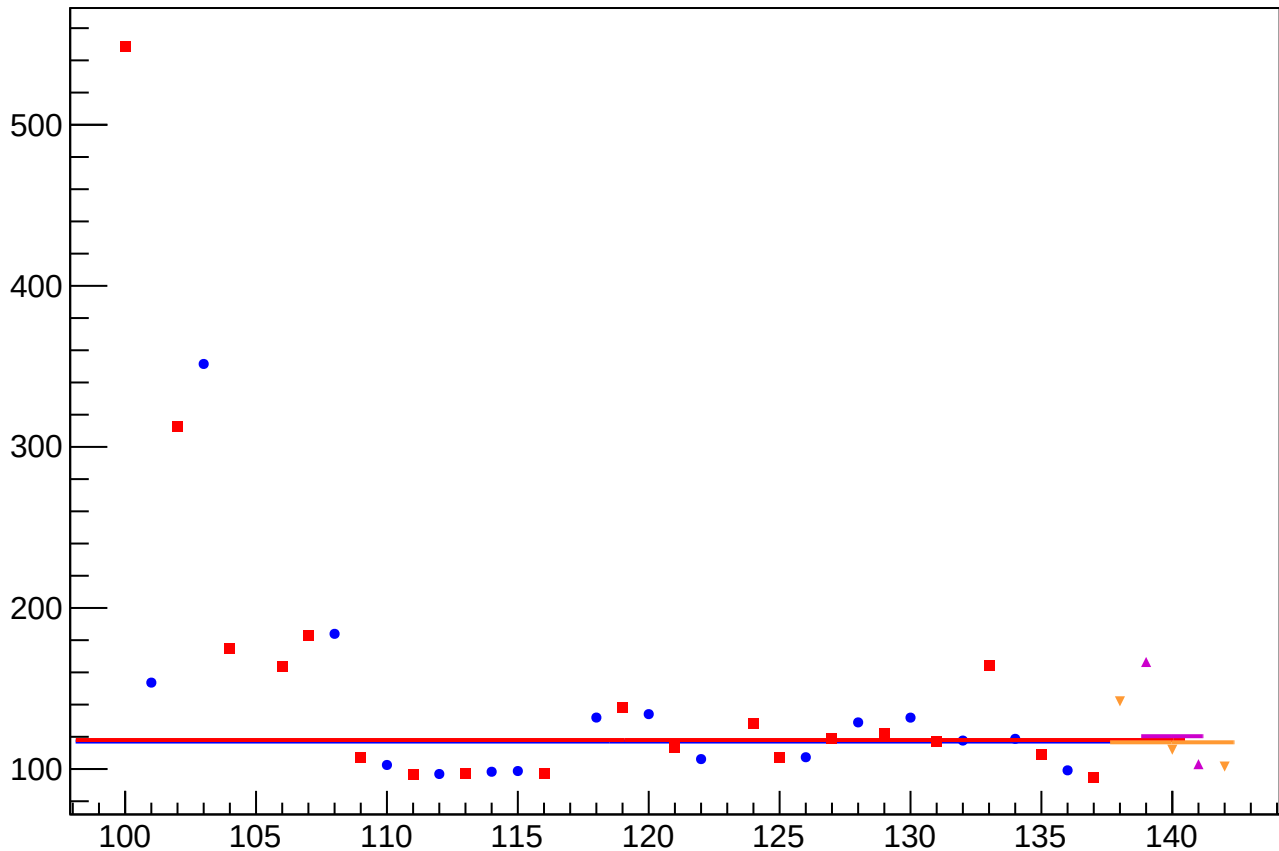
Left In: 21.461 ± 95.059 χ^2/NDF : 0.5/1

+ sign 50.558 ± 40.120 χ^2/NDF : 16.4/18

All: -15.055 ± 28.771 χ^2/NDF : 49.4/39

- sign -84.519 ± 41.281 χ^2/NDF : 27.5/20

cor_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858402.8/15

Left Out: 116.589 $\pm$ 0.059 χ^2 /NDF: 68470.5/2

Right Out: 118.006 $\pm$ 0.032 χ^2 /NDF: 986553.8/18

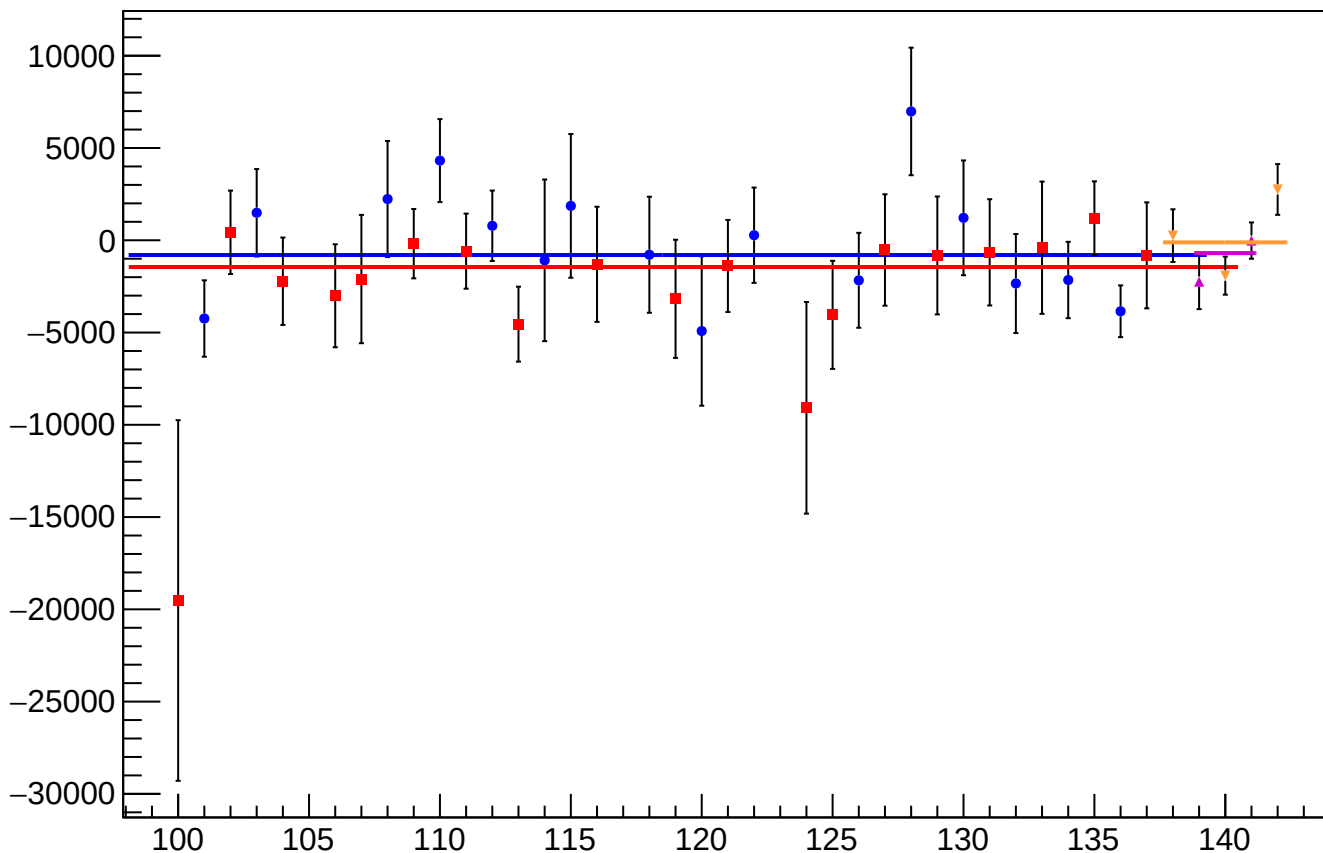
Left In: 120.376 $\pm$ 0.067 χ^2 /NDF: 177044.0/1

+ sign 116.954 $\pm$ 0.028 χ^2 /NDF: 926922.6/18

All: 117.682 $\pm$ 0.020 χ^2 /NDF: 2092885.1/39

- sign 118.453 $\pm$ 0.029 χ^2 /NDF: 1164606.6/20

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116 ± 616.014 χ^2/NDF : 23.4/15

Left Out: -112.915 ± 714.933 χ^2/NDF : 7.5/2

Right Out: -1448.433 ± 614.443 χ^2/NDF : 12.5/18

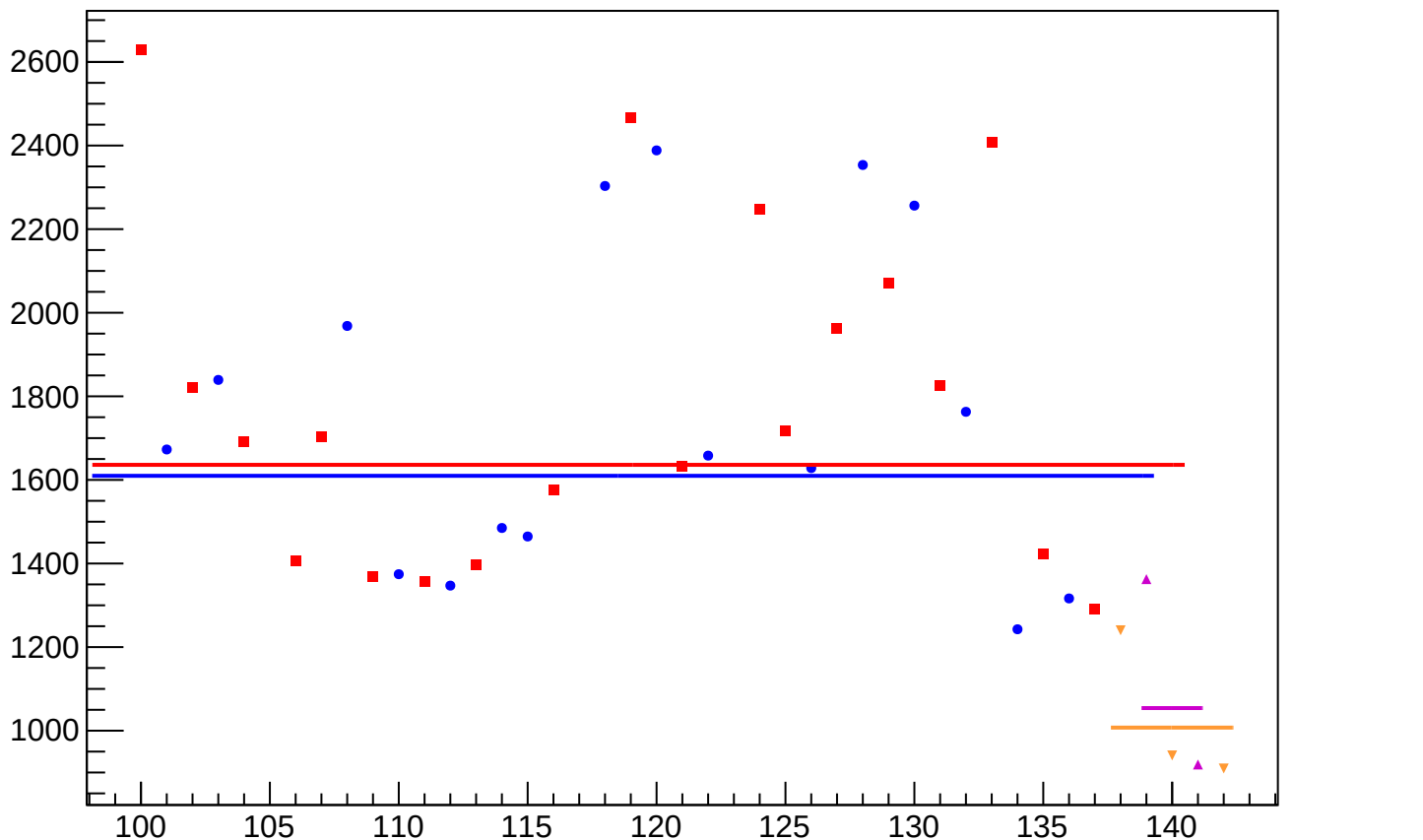
Left In: -695.246 ± 820.343 χ^2/NDF : 1.6/1

+ sign -506.736 ± 466.674 χ^2/NDF : 31.4/18

All: -824.670 ± 338.519 χ^2/NDF : 47.0/39

- sign -1177.745 ± 491.789 χ^2/NDF : 14.6/20

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF : 619158.3/15

Left Out: 1007.406+/-0.506 χ^2/NDF : 71583.3/2

Right Out: 1636.046+/-0.434 χ^2/NDF : 527809.9/18

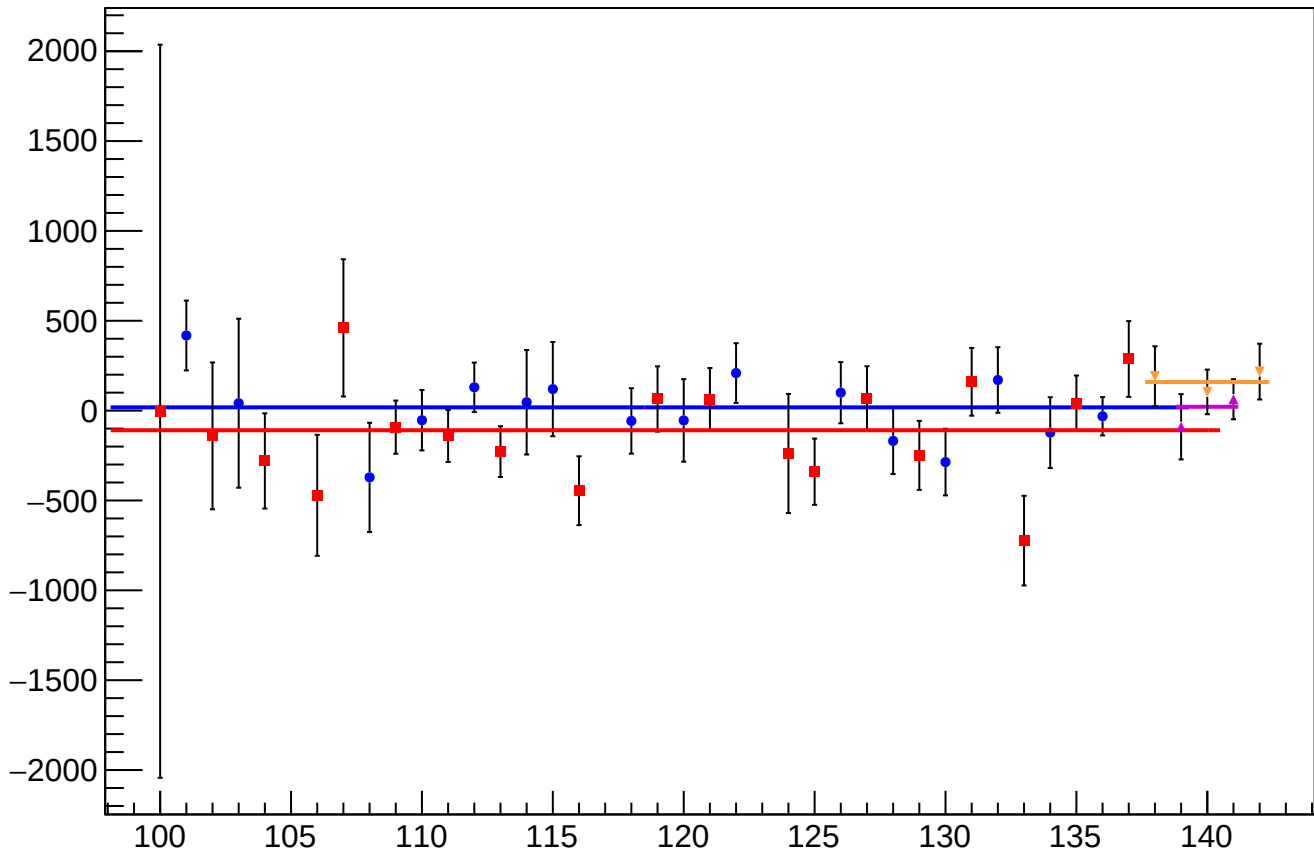
Left In: 1054.139+/-0.580 χ^2/NDF : 123764.9/1

+ sign 1353.123+/-0.330 χ^2/NDF : 1505623.9/18

All: 1388.086+/-0.239 χ^2/NDF : 2825565.2/39

- sign 1426.914+/-0.348 χ^2/NDF : 1296248.2/20

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191 $\pm$ 45.704 χ^2 /NDF: 13.9/15

Left Out: 159.279 $\pm$ 83.764 χ^2 /NDF: 0.4/2

Right Out: -109.151 $\pm$ 45.828 χ^2 /NDF: 25.4/18

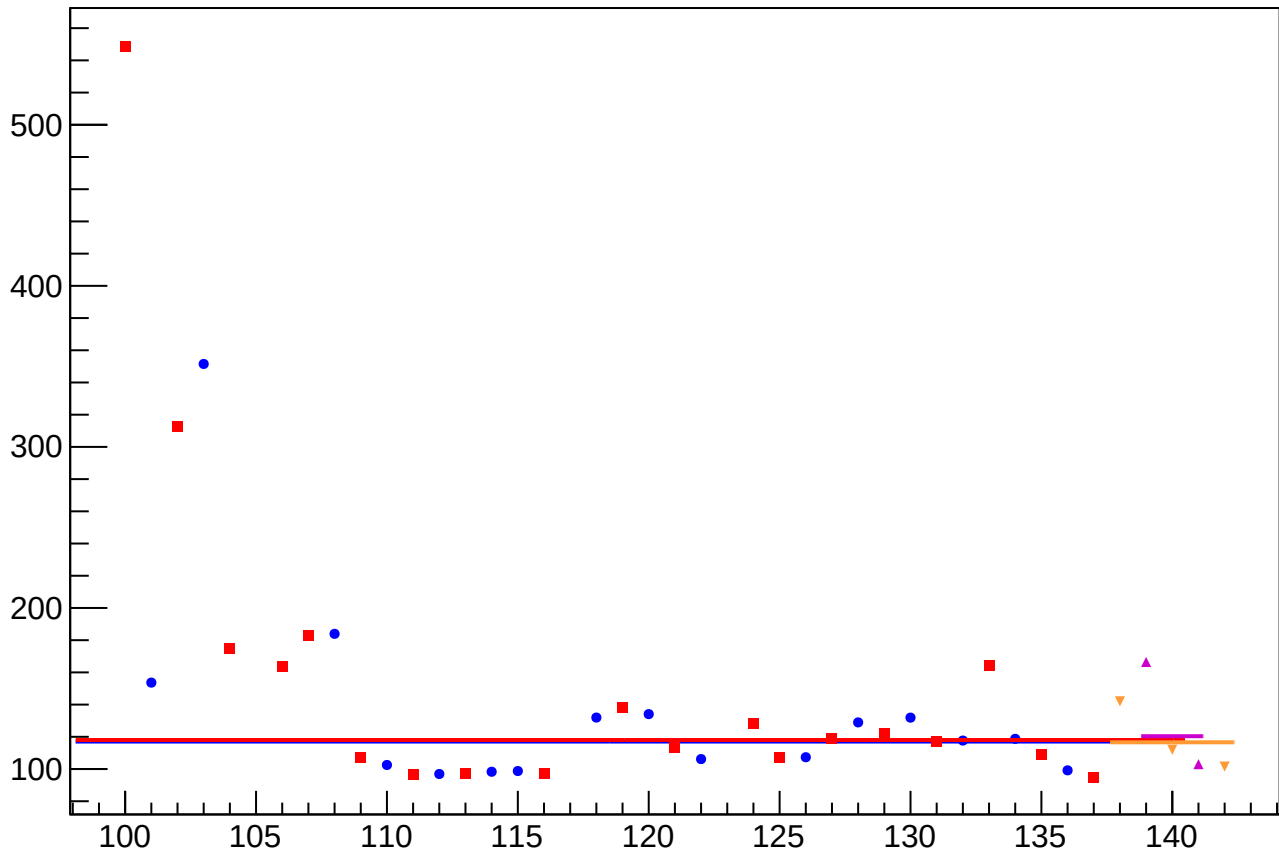
Left In: 21.461 $\pm$ 95.059 χ^2 /NDF: 0.5/1

+ sign 50.558 $\pm$ 40.120 χ^2 /NDF: 16.4/18

All: -15.055 $\pm$ 28.771 χ^2 /NDF: 49.4/39

- sign -84.519 $\pm$ 41.281 χ^2 /NDF: 27.5/20

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858402.8/15

Left Out: 116.589 $\pm$ 0.059 χ^2 /NDF: 68470.5/2

Right Out: 118.006 $\pm$ 0.032 χ^2 /NDF: 986553.8/18

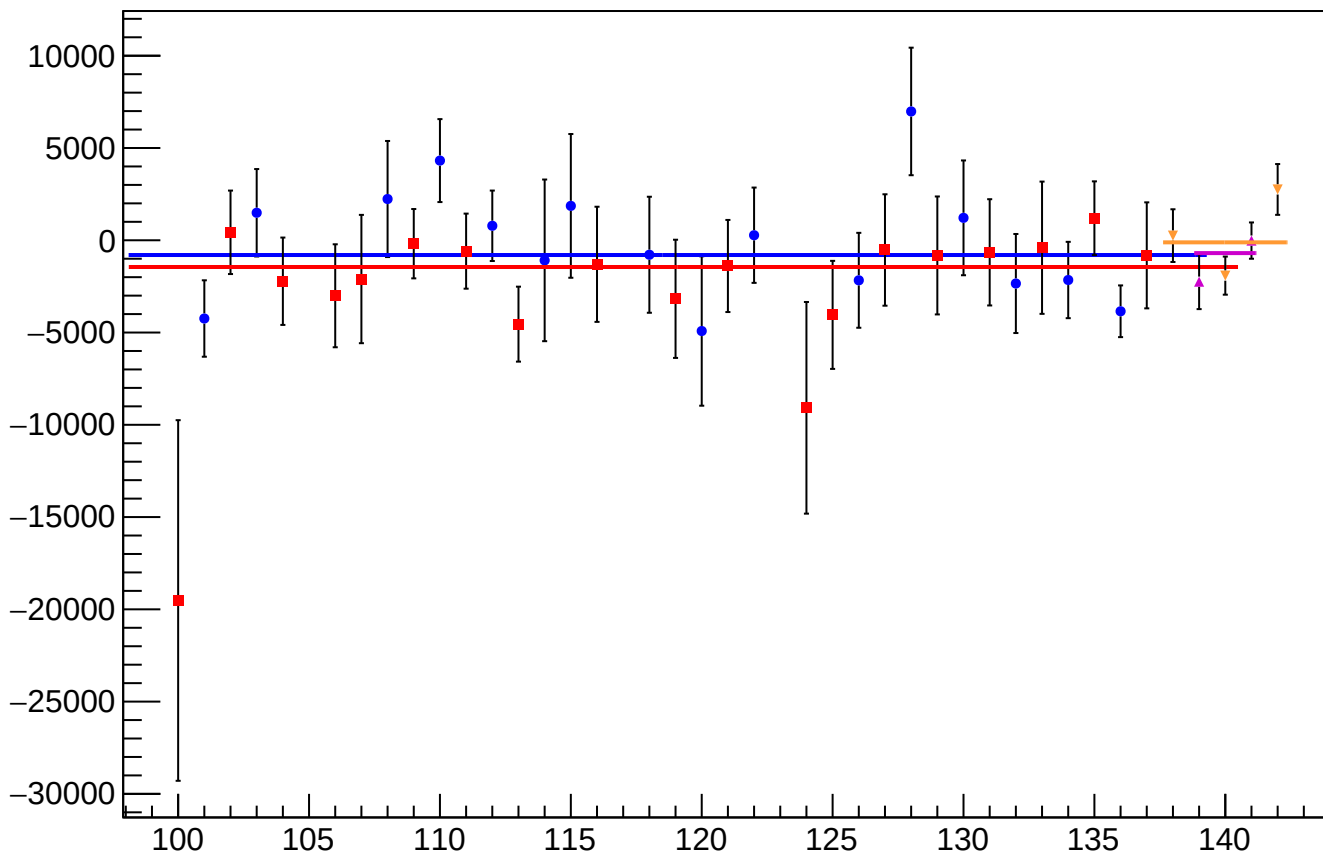
Left In: 120.376 $\pm$ 0.067 χ^2 /NDF: 177044.0/1

+ sign 116.954 $\pm$ 0.028 χ^2 /NDF: 926922.6/18

All: 117.682 $\pm$ 0.020 χ^2 /NDF: 2092885.1/39

- sign 118.453 $\pm$ 0.029 χ^2 /NDF: 1164606.6/20

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2 /NDF: 23.4/15

Left Out: -112.915+/-714.933 χ^2 /NDF:7.5/2

Right Out: -1448.433+/-614.443 χ^2 /NDF: 12.5/18

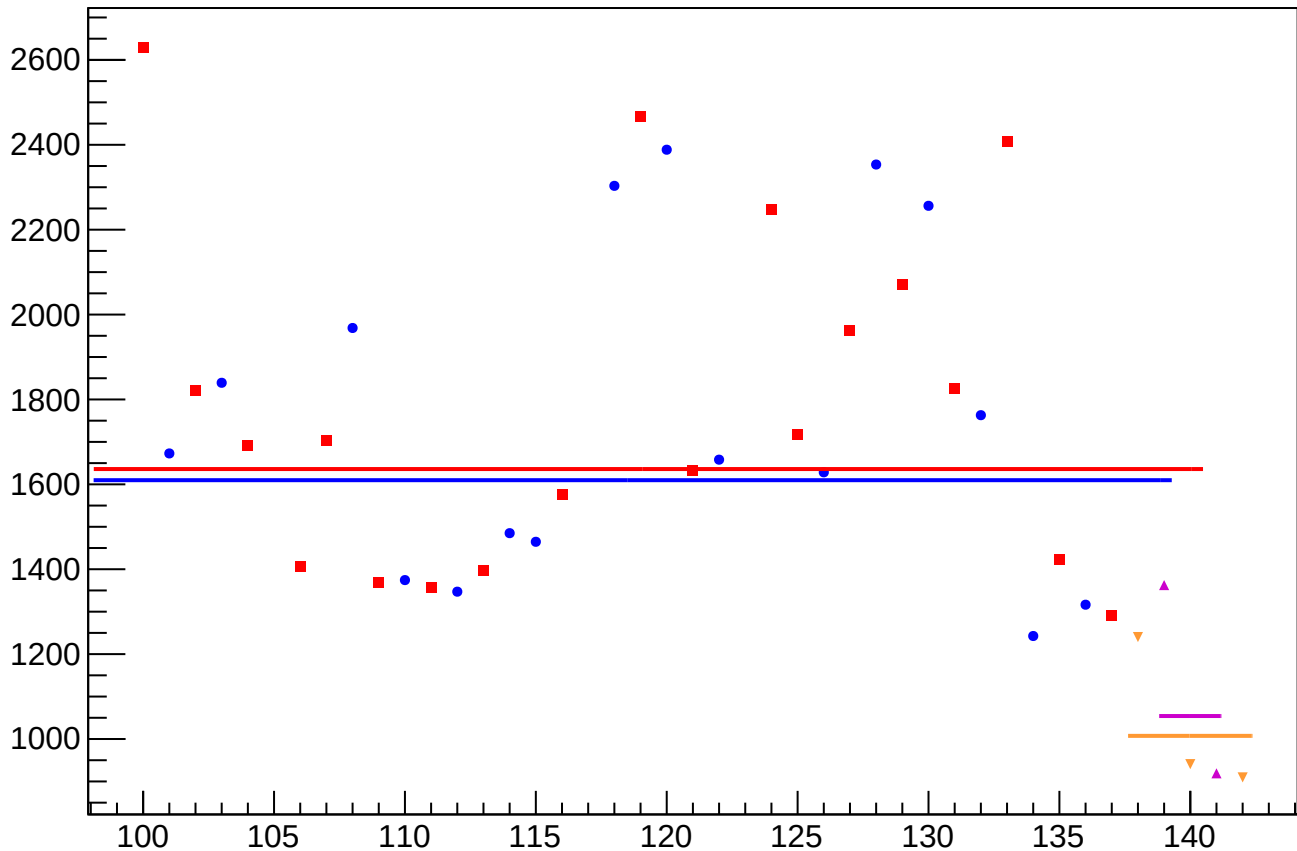
Left In: -695.246+/-820.343 χ^2 /NDF:1.6/1

+ sign -506.736+/-466.674 χ^2 /NDF: 31.4/18

All: -824.670+/-338.519 χ^2 /NDF: 47.0/39

- sign -1177.745+/-491.789 χ^2 /NDF: 14.6/20

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF : 619158.3/15

Left Out: 1007.406+/-0.506 χ^2/NDF : 71583.3/2

Right Out: 1636.046+/-0.434 χ^2/NDF : 527809.9/18

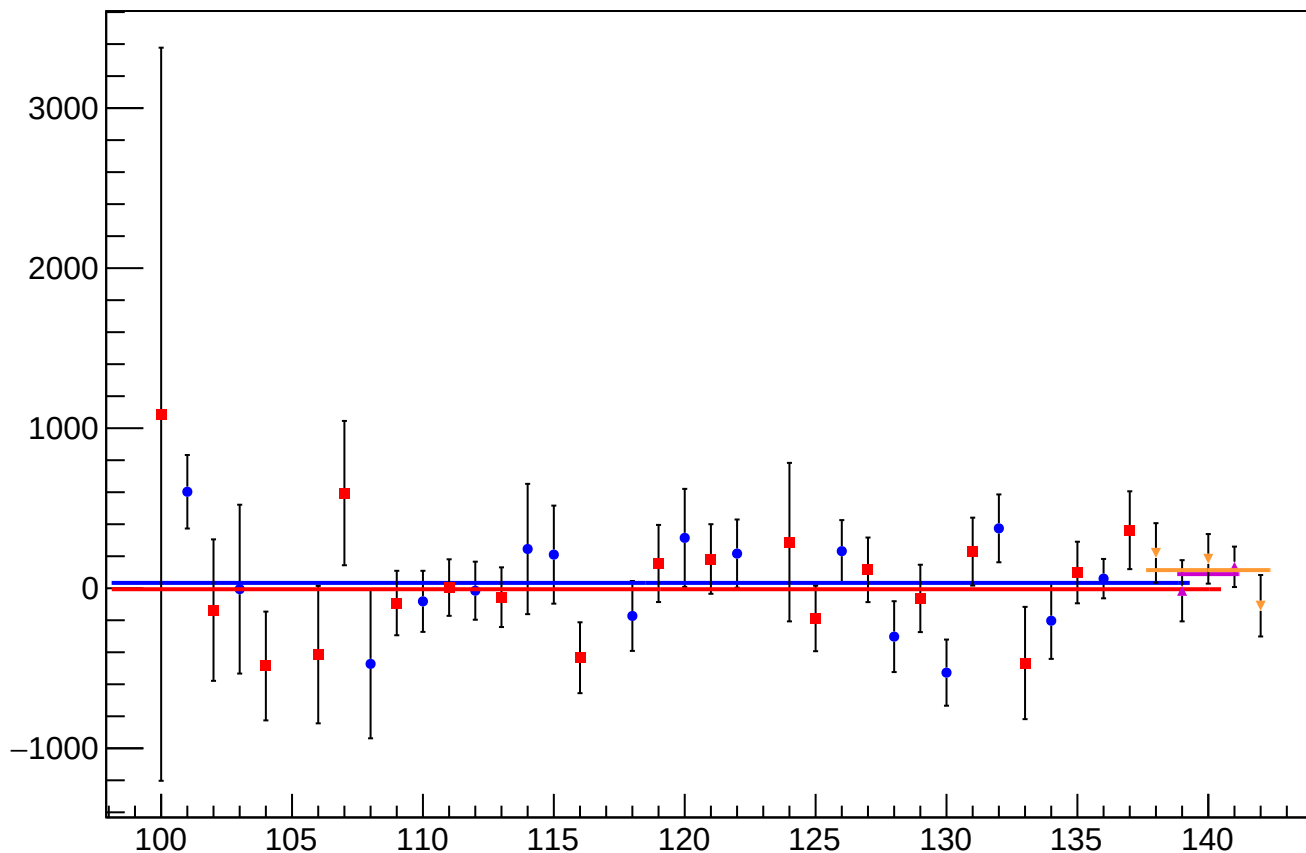
Left In: 1054.139+/-0.580 χ^2/NDF : 123764.9/1

+ sign 1353.123+/-0.330 χ^2/NDF : 1505623.9/18

All: 1388.086+/-0.239 χ^2/NDF : 2825565.2/39

- sign 1426.914+/-0.348 χ^2/NDF : 1296248.2/20

dit_asym_sam3_mean vs Slug



Right In: 33.471 ± 54.908 χ^2/NDF : 25.2/15

Left Out: 113.340 ± 101.182 χ^2/NDF : 1.9/2

Right Out: -6.107 ± 56.090 χ^2/NDF : 17.3/18

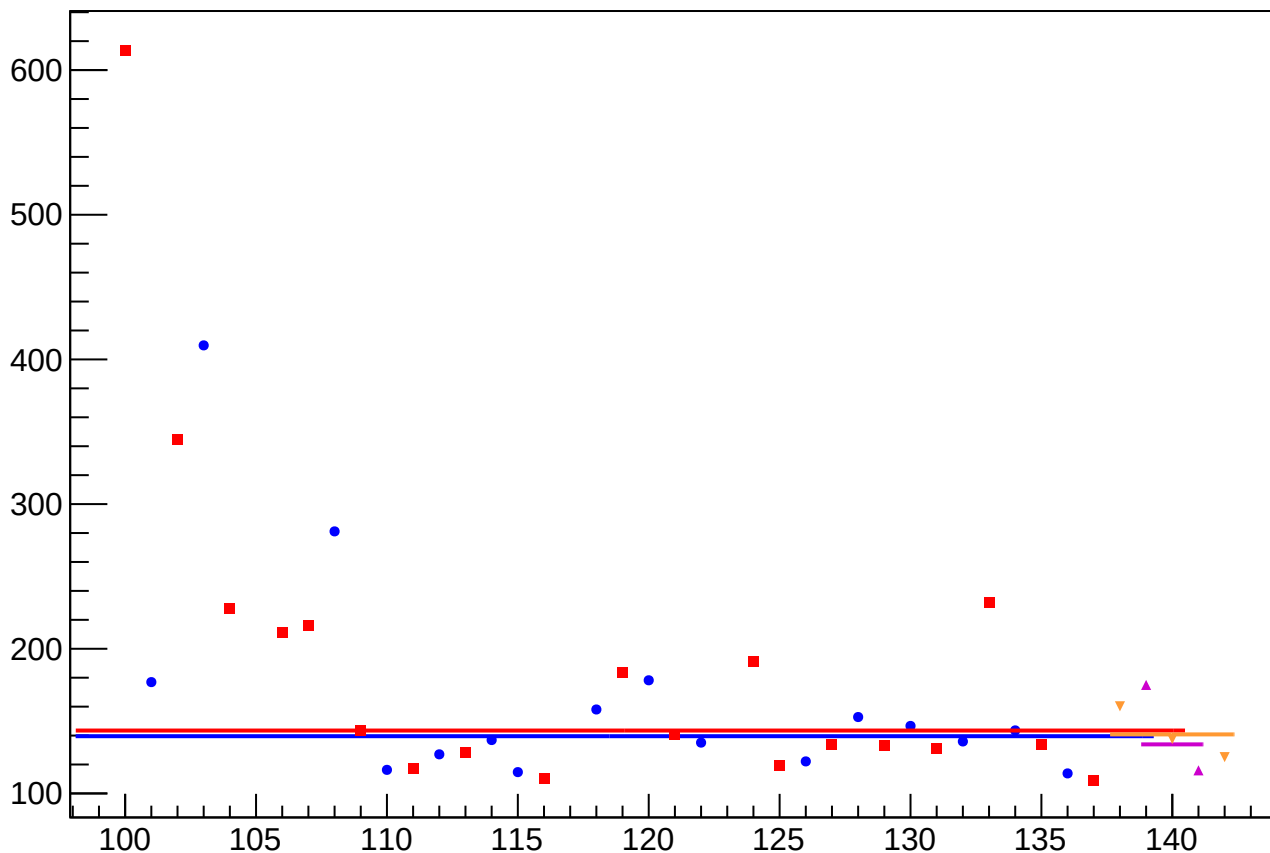
Left In: 88.363 ± 105.415 χ^2/NDF : 0.4/1

+ sign 51.640 ± 48.260 χ^2/NDF : 27.5/18

All: 33.663 ± 34.561 χ^2/NDF : 46.2/39

- sign 14.738 ± 49.517 χ^2/NDF : 18.4/20

dit_asym_sam3_rms vs Slug



Right In: 139.566 $\pm$ 0.039 χ^2 /NDF: 976734.6/15

Left Out: 140.807 $\pm$ 0.072 χ^2 /NDF: 36038.7/2

Right Out: 143.479 $\pm$ 0.040 χ^2 /NDF: 1116671.9/18

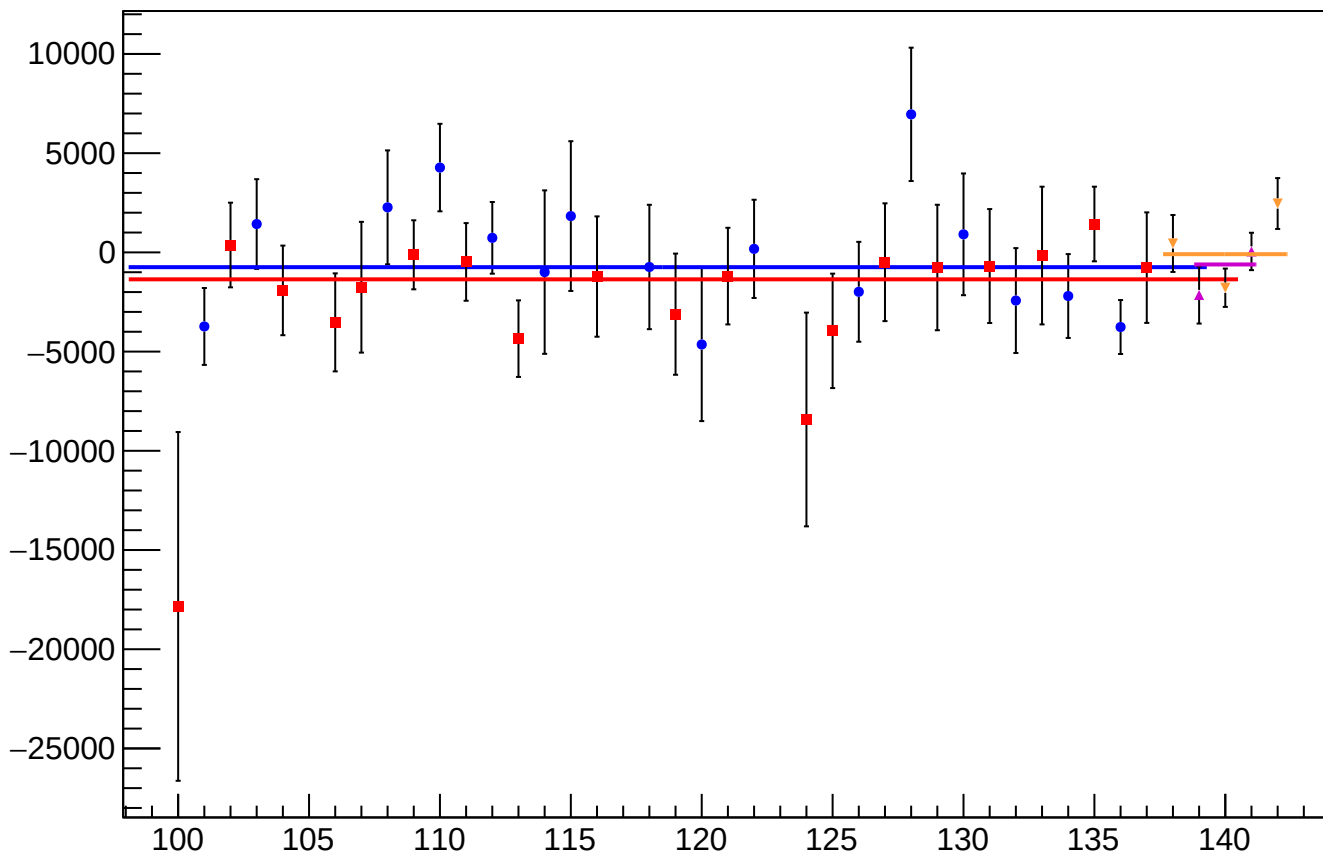
Left In: 133.916 $\pm$ 0.075 χ^2 /NDF: 132767.9/1

+ sign 139.849 $\pm$ 0.034 χ^2 /NDF: 1013005.6/18

All: 140.589 $\pm$ 0.024 χ^2 /NDF: 2276240.6/39

- sign 141.369 $\pm$ 0.035 χ^2 /NDF: 1262267.9/20

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681 ± 595.810 χ^2/NDF : 23.5/15

Left Out: -90.609 ± 679.224 χ^2/NDF : 7.2/2

Right Out: -1357.874 ± 585.808 χ^2/NDF : 13.5/18

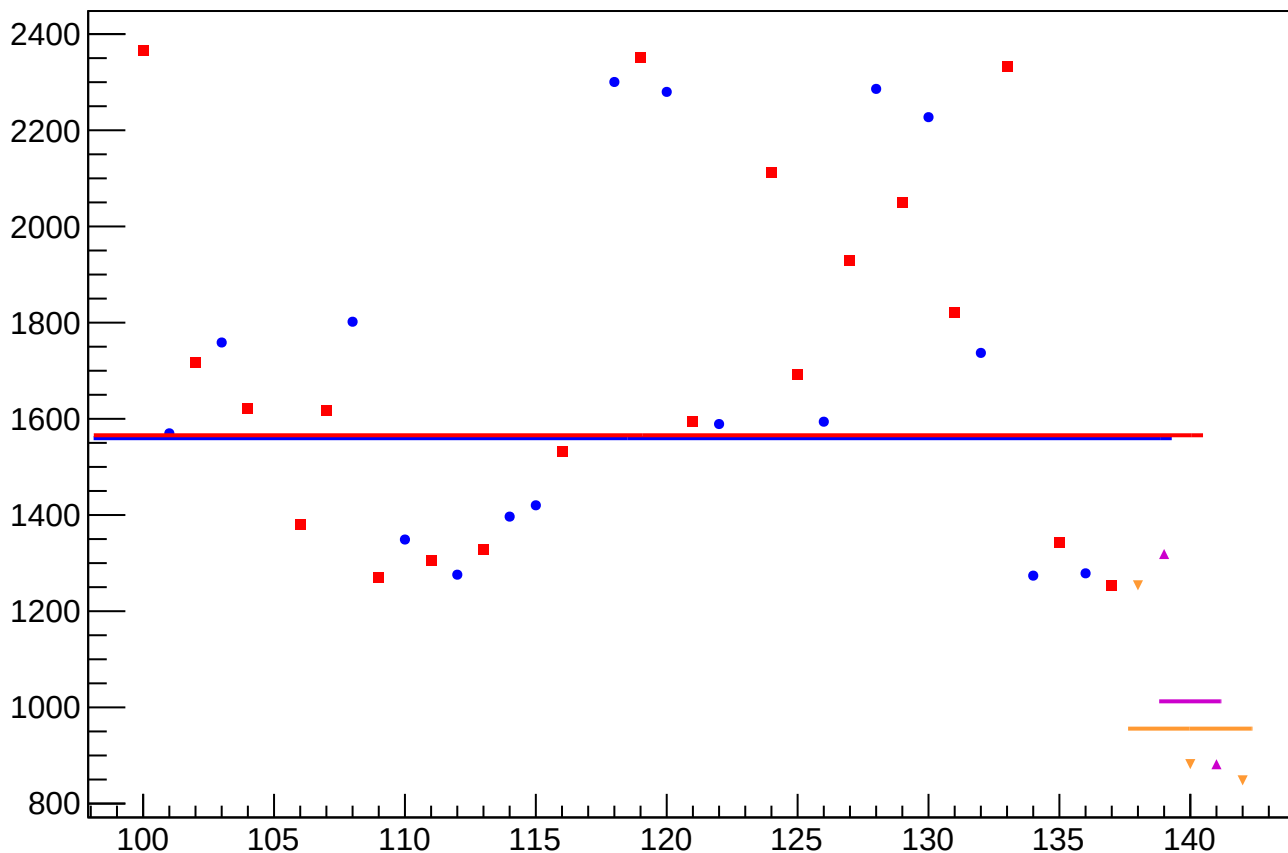
Left In: -608.641 ± 788.400 χ^2/NDF : 1.6/1

+ sign -460.253 ± 447.906 χ^2/NDF : 31.2/18

All: -760.483 ± 324.317 χ^2/NDF : 47.9/39

- sign -1091.363 ± 470.214 χ^2/NDF : 15.7/20

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735 $\pm$ 0.421 χ^2 /NDF: 604209.5/15

Left Out: 955.838 $\pm$ 0.480 χ^2 /NDF:111982.7/2

Right Out: 1565.808 $\pm$ 0.414 χ^2 /NDF: 563847.8/18

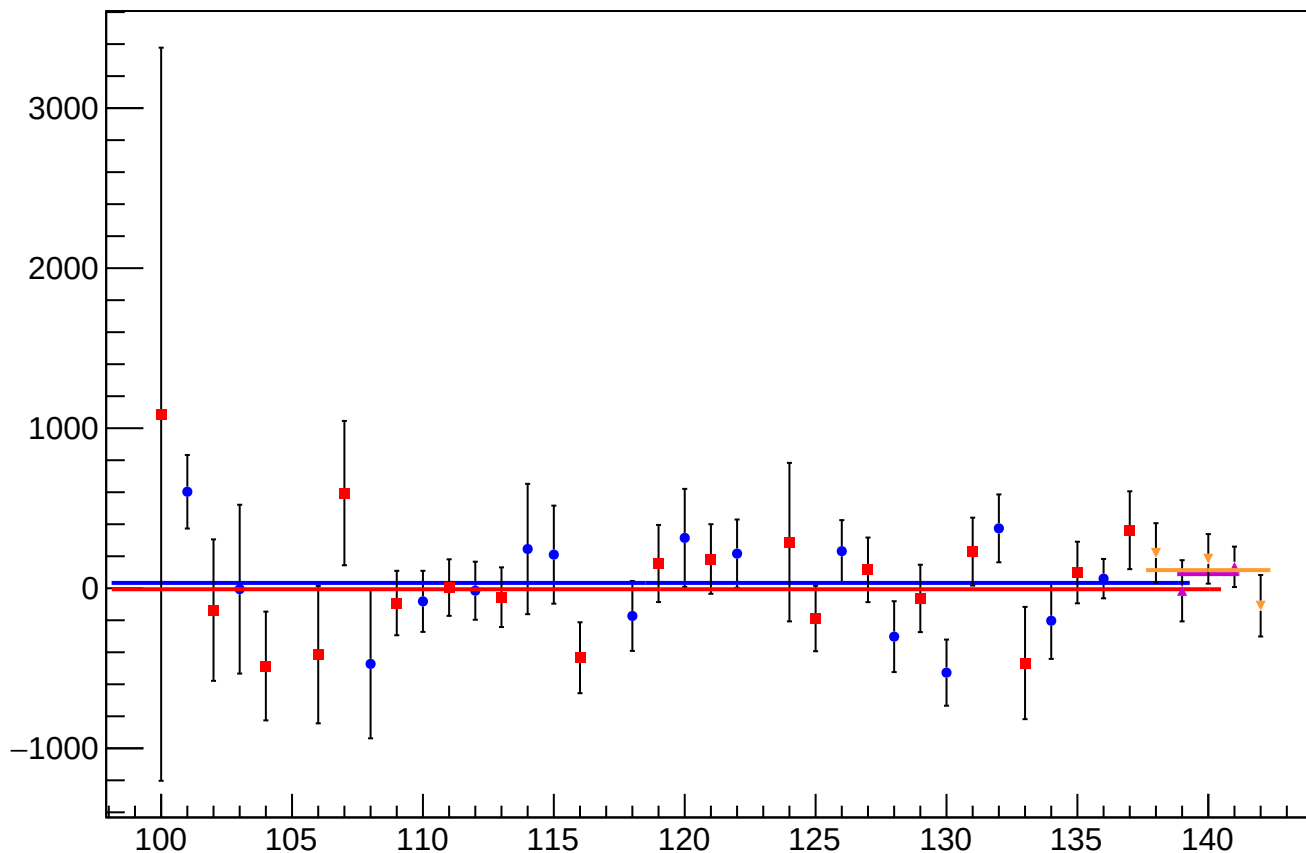
Left In: 1012.579 $\pm$ 0.557 χ^2 /NDF:128865.8/1

+ sign 1297.126 $\pm$ 0.317 χ^2 /NDF: 1609680.3/18

All: 1331.326 $\pm$ 0.229 χ^2 /NDF: 2961398.9/39

- sign 1369.018 $\pm$ 0.332 χ^2 /NDF: 1327207.1/20

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF : 25.2/15

Left Out: 113.339+/-101.182 χ^2/NDF : 1.9/2

Right Out: -6.103+/-56.090 χ^2/NDF : 17.3/18

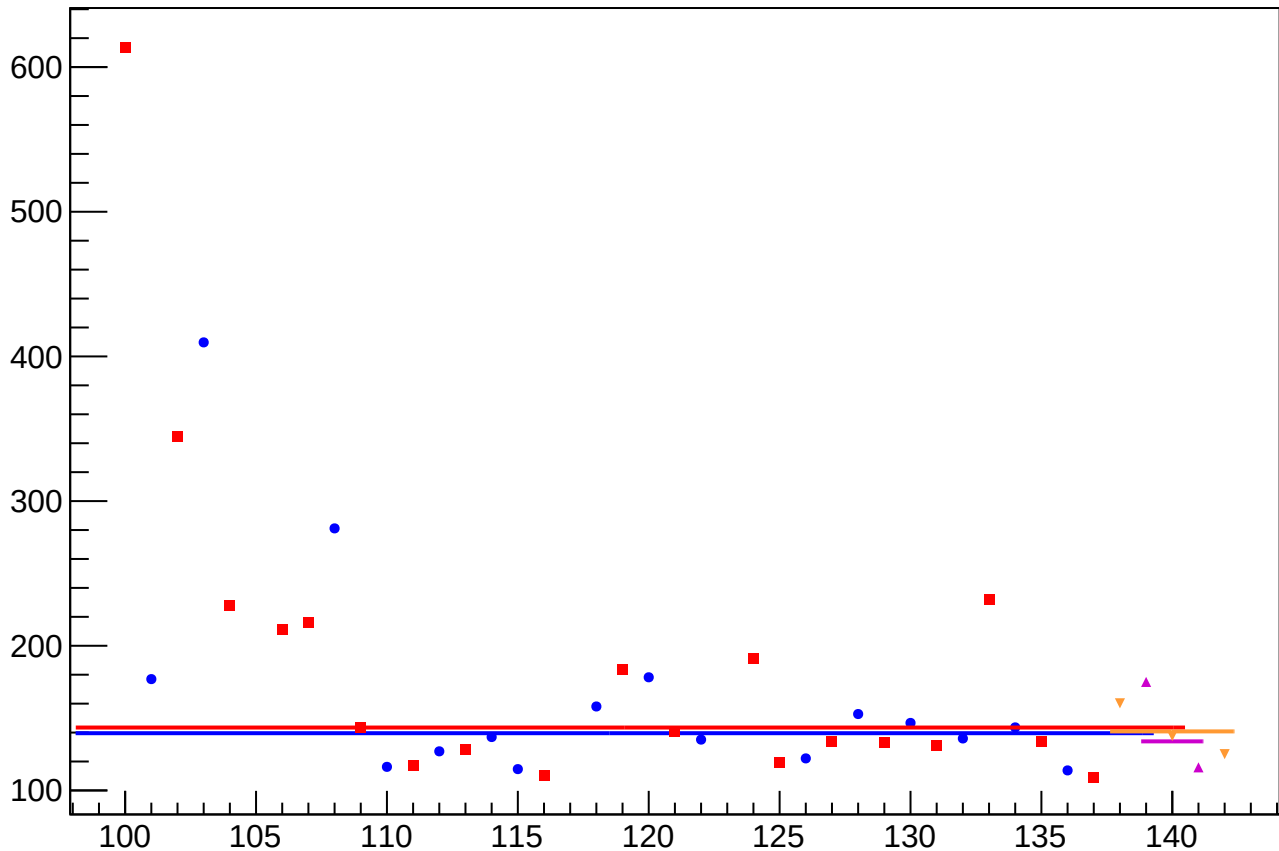
Left In: 88.360+/-105.416 χ^2/NDF : 0.4/1

+ sign 51.639+/-48.260 χ^2/NDF : 27.5/18

All: 33.664+/-34.561 χ^2/NDF : 46.2/39

- sign 14.740+/-49.517 χ^2/NDF : 18.4/20

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567 $\pm$ 0.039 χ^2 /NDF: 976737.0/15

Left Out: 140.807 $\pm$ 0.072 χ^2 /NDF: 36040.0/2

Right Out: 143.480 $\pm$ 0.040 χ^2 /NDF: 1116678.4/18

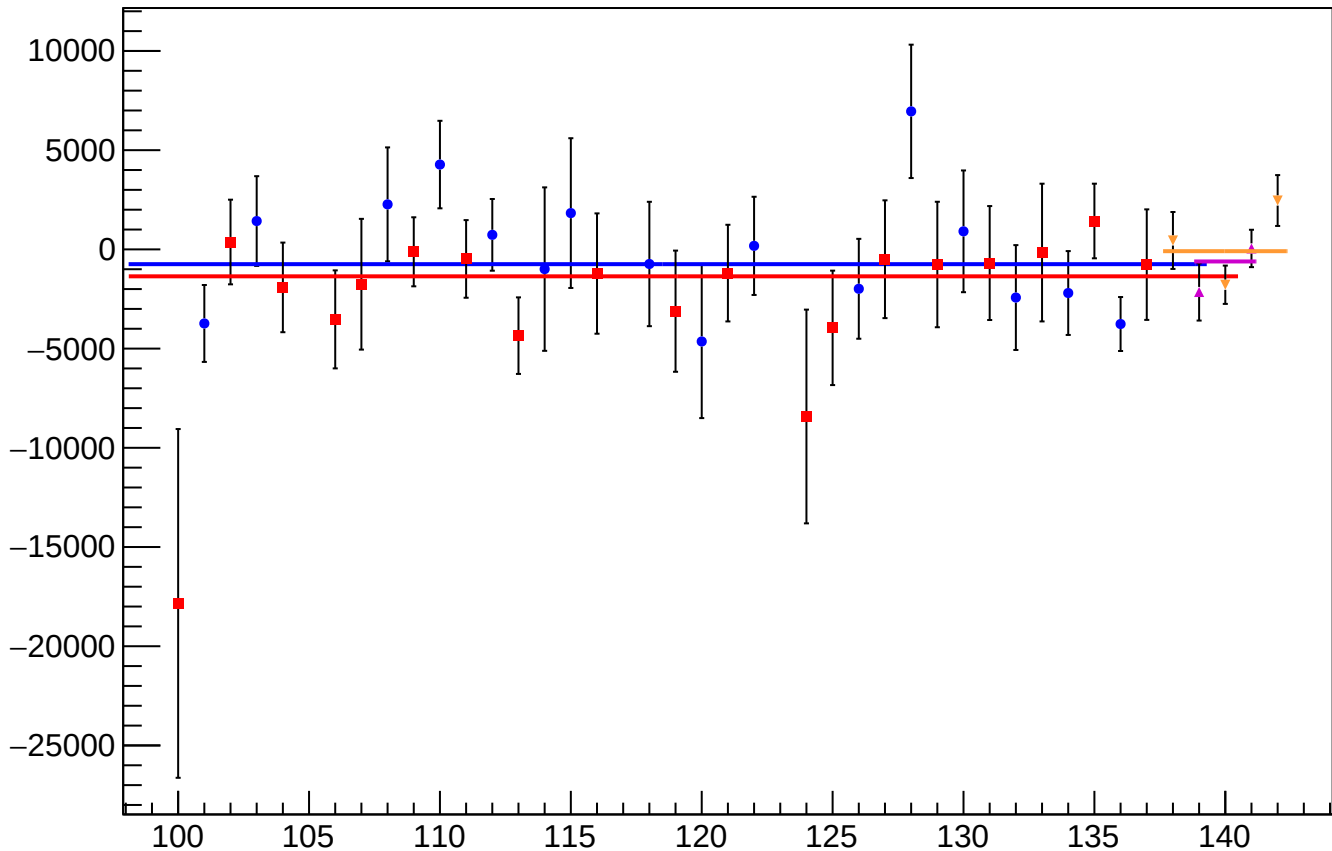
Left In: 133.916 $\pm$ 0.075 χ^2 /NDF: 132765.0/1

+ sign 139.849 $\pm$ 0.034 χ^2 /NDF: 1013009.3/18

All: 140.590 $\pm$ 0.024 χ^2 /NDF: 2276248.5/39

- sign 141.370 $\pm$ 0.035 χ^2 /NDF: 1262271.9/20

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF : 23.5/15

Left Out: -90.613+/-679.224 χ^2/NDF : 7.2/2

Right Out: -1357.874+/-585.807 χ^2/NDF : 13.5/18

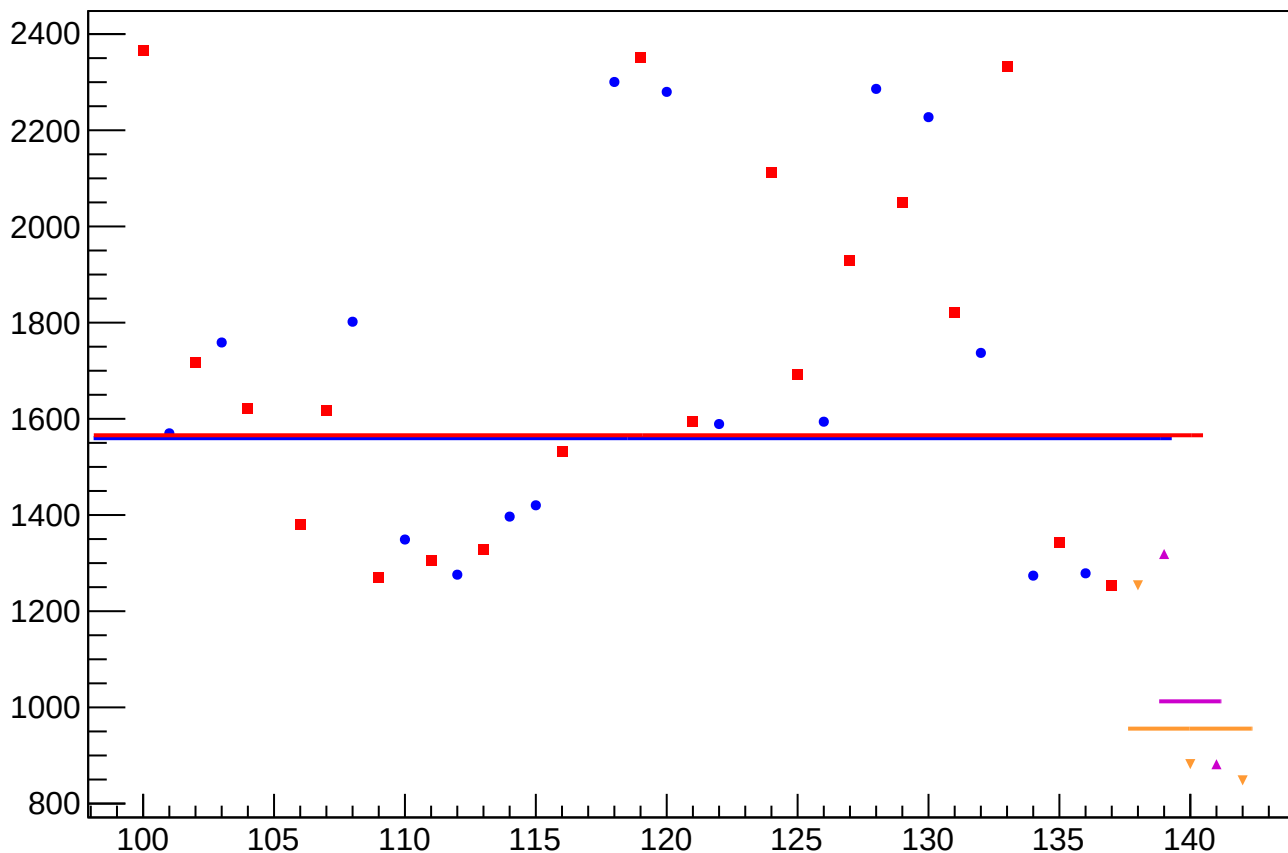
Left In: -608.641+/-788.400 χ^2/NDF : 1.6/1

+ sign -460.253+/-447.906 χ^2/NDF : 31.2/18

All: -760.483+/-324.317 χ^2/NDF : 47.9/39

- sign -1091.363+/-470.214 χ^2/NDF : 15.7/20

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF : 604209.8/15

Left Out: 955.838+/-0.480 χ^2/NDF :111983.7/2

Right Out: 1565.806+/-0.414 χ^2/NDF : 563845.7/18

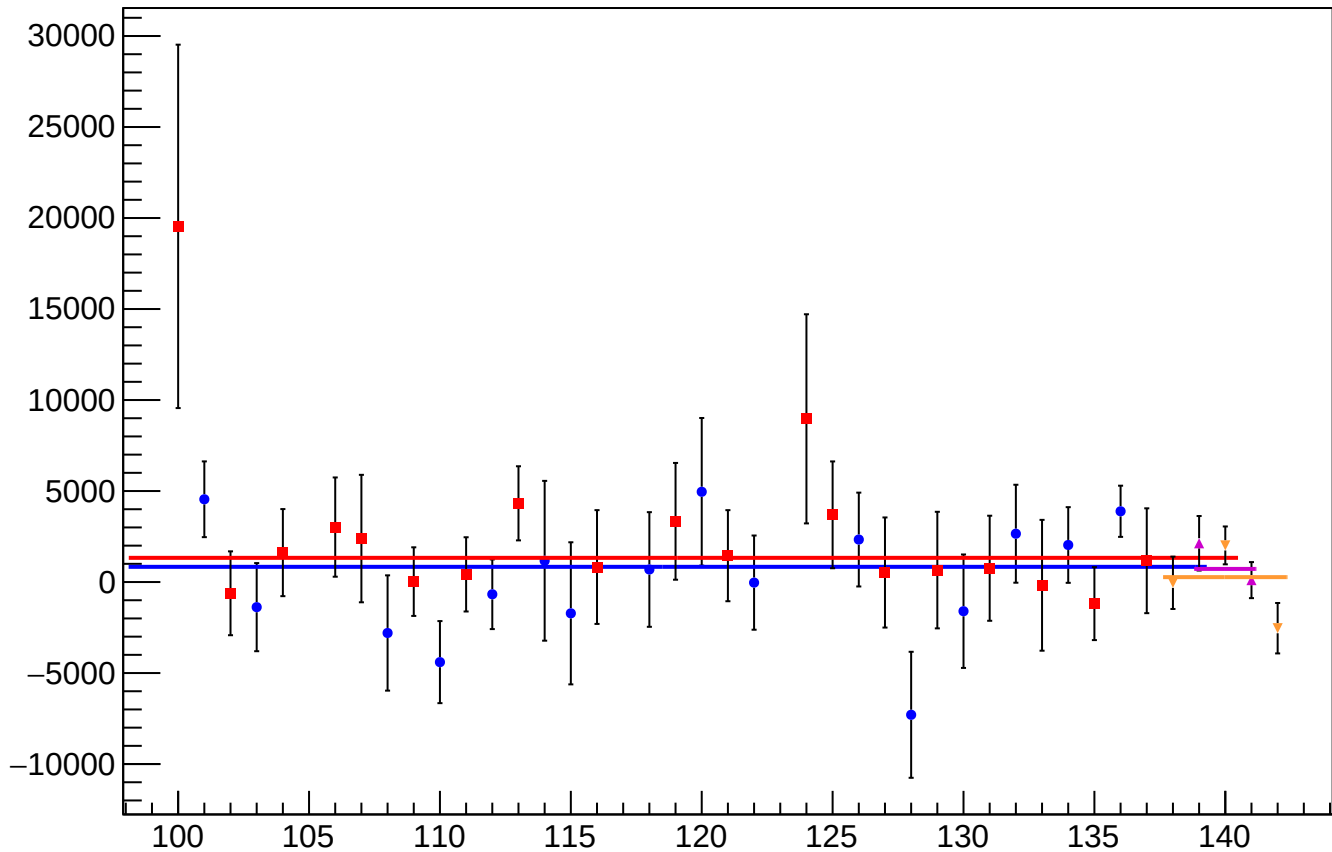
Left In: 1012.578+/-0.557 χ^2/NDF :128867.2/1

+ sign 1297.125+/-0.317 χ^2/NDF : 1609677.0/18

All: 1331.325+/-0.229 χ^2/NDF : 2961392.1/39

- sign 1369.017+/-0.332 χ^2/NDF : 1327204.2/20

asym_sam3_mean vs Slug



Right In: 835.496 ± 618.780 $\chi^2/\text{NDF}: 24.9/15$

Left Out: 269.291 ± 720.019 $\chi^2/\text{NDF}: 7.0/2$

Right Out: 1329.538 ± 616.428 $\chi^2/\text{NDF}: 12.1/18$

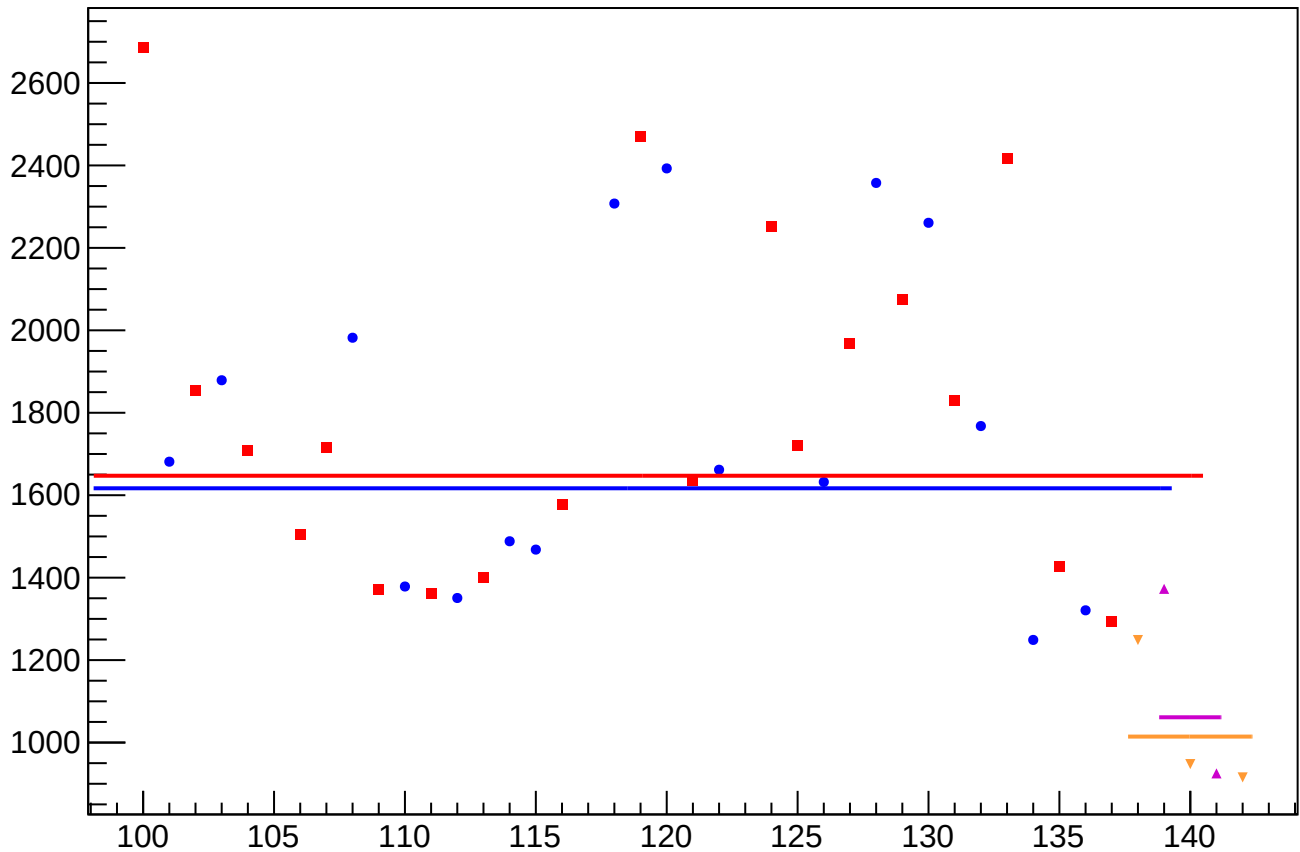
Left In: 720.901 ± 826.018 $\chi^2/\text{NDF}: 1.3/1$

+ sign 594.966 ± 469.290 $\chi^2/\text{NDF}: 32.2/18$

All: 840.133 ± 340.247 $\chi^2/\text{NDF}: 46.5/39$

- sign 1111.827 ± 494.027 $\chi^2/\text{NDF}: 13.7/20$

asym_sam3_rms vs Slug



Right In: 1616.804 $\pm$ 0.438 χ^2 /NDF: 622271.0/15

Left Out: 1014.463 $\pm$ 0.509 χ^2 /NDF: 71475.2/2

Right Out: 1647.227 $\pm$ 0.436 χ^2 /NDF: 523860.9/18

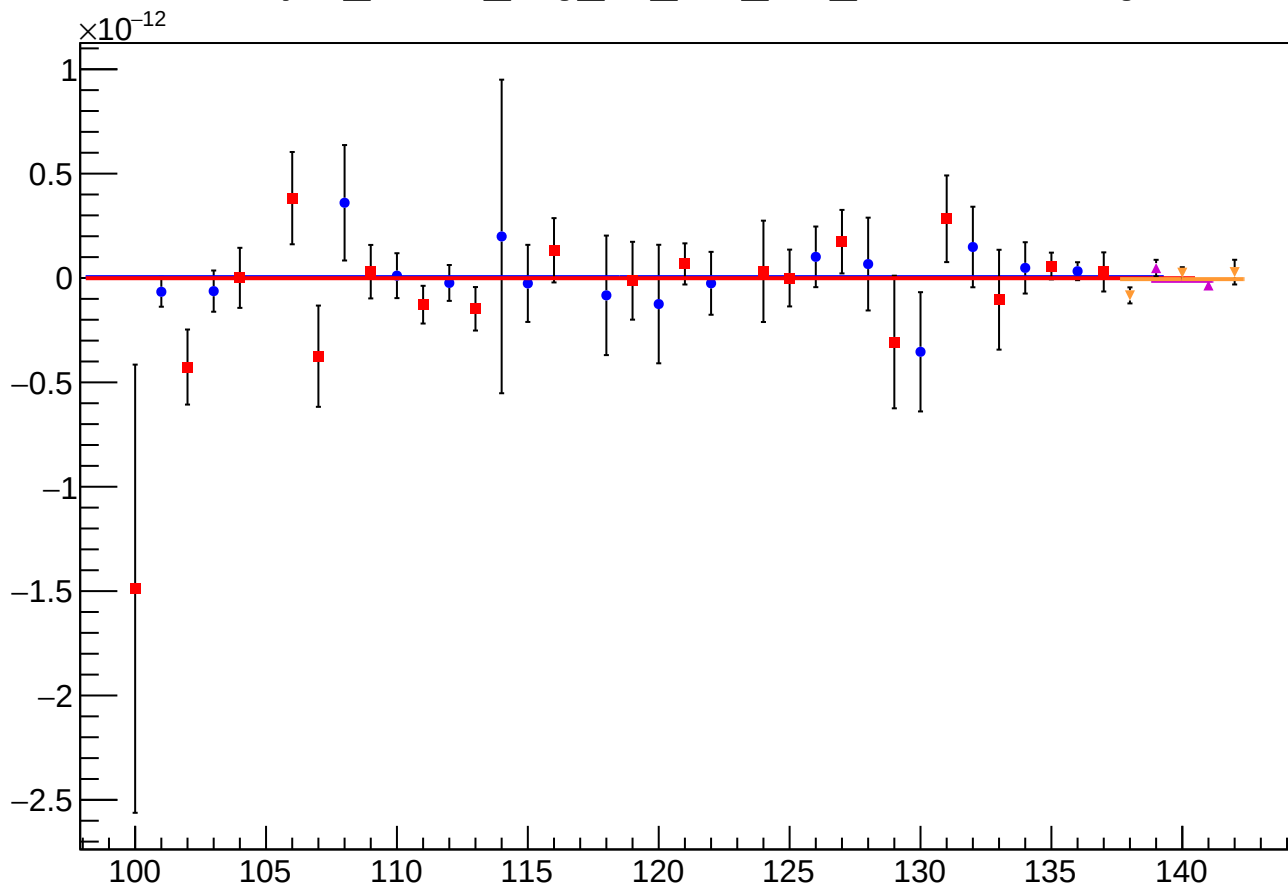
Left In: 1061.294 $\pm$ 0.584 χ^2 /NDF: 124302.8/1

+ sign 1360.923 $\pm$ 0.332 χ^2 /NDF: 1498824.2/18

All: 1397.312 $\pm$ 0.241 χ^2 /NDF: 2818711.3/39

- sign 1437.638 $\pm$ 0.349 χ^2 /NDF: 1294536.3/20

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 : 5.7/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.4/18

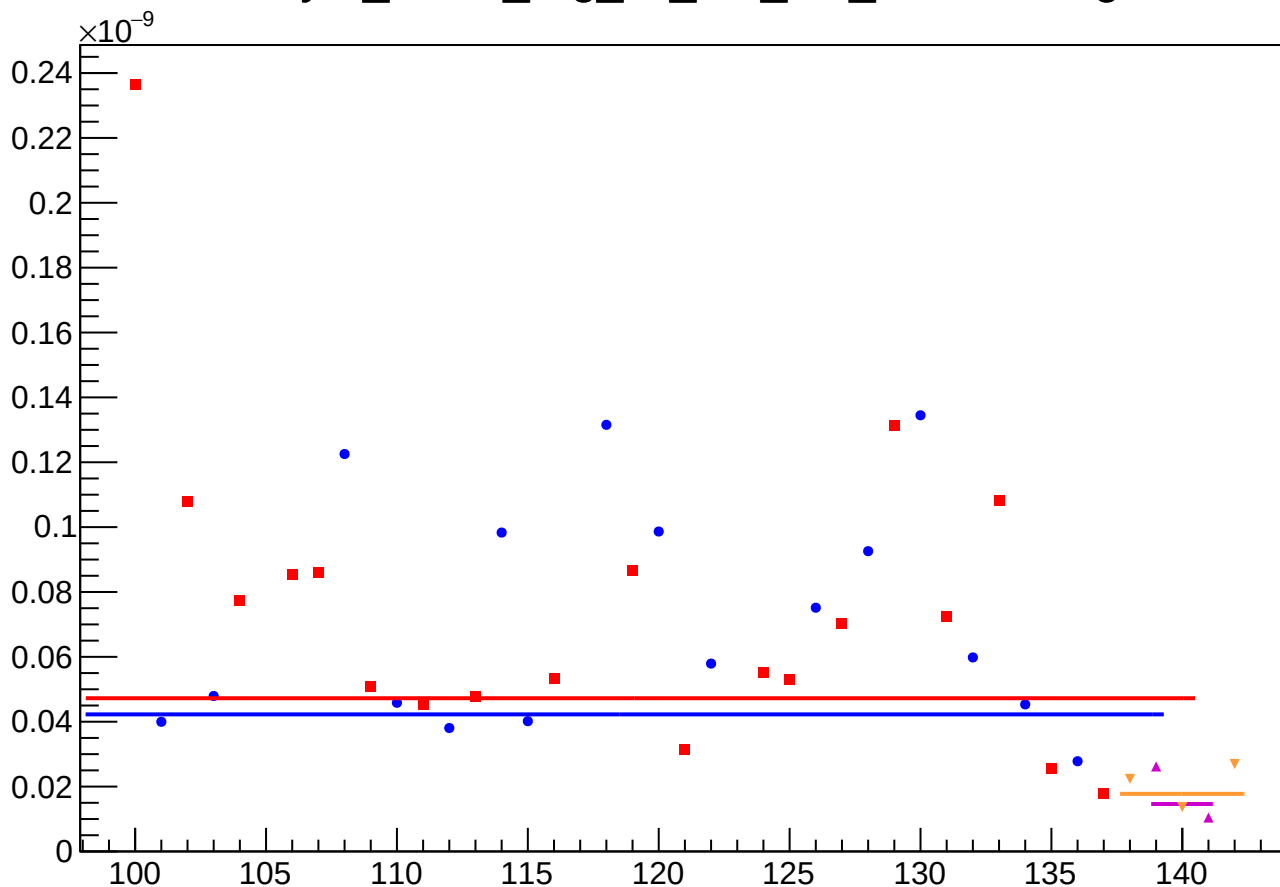
Left In: -0.000 ± 0.000 χ^2/NDF : 3.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 12.7/18

All: -0.000 ± 0.000 χ^2/NDF : 39.6/39

- sign -0.000 ± 0.000 χ^2/NDF : 26.8/20

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 : 123904.1/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 1410595.6/18

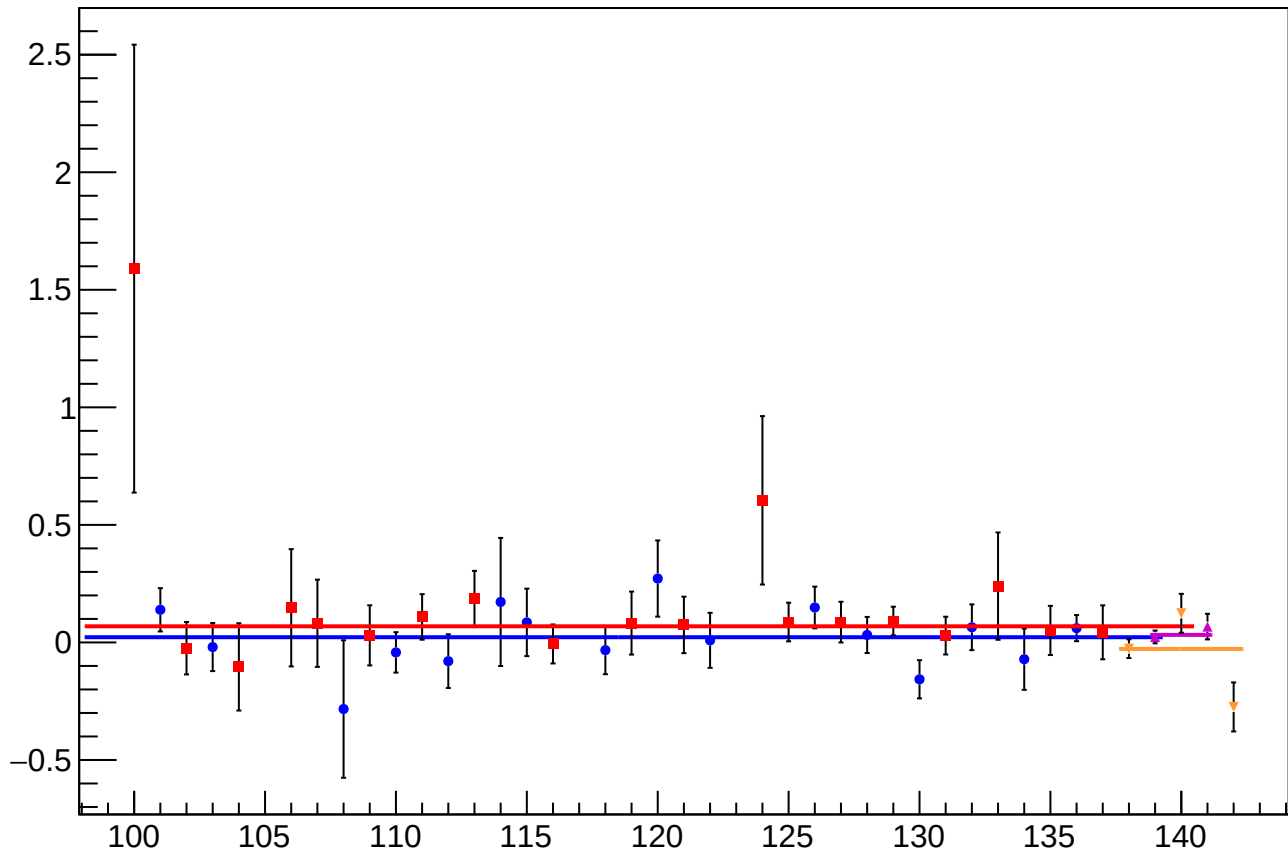
Left In: 0.000 ± 0.000 χ^2/NDF : 232315.4/1

+ sign 0.000 ± 0.000 χ^2/NDF : 2304179.8/18

All: 0.000 ± 0.000 χ^2/NDF : 5554249.7/39

- sign 0.000 ± 0.000 χ^2/NDF : 3237982.0/20

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 χ^2/NDF : 15.5/15

Left Out: -0.028 ± 0.034 χ^2/NDF : 9.0/2

Right Out: 0.069 ± 0.025 χ^2/NDF : 9.6/18

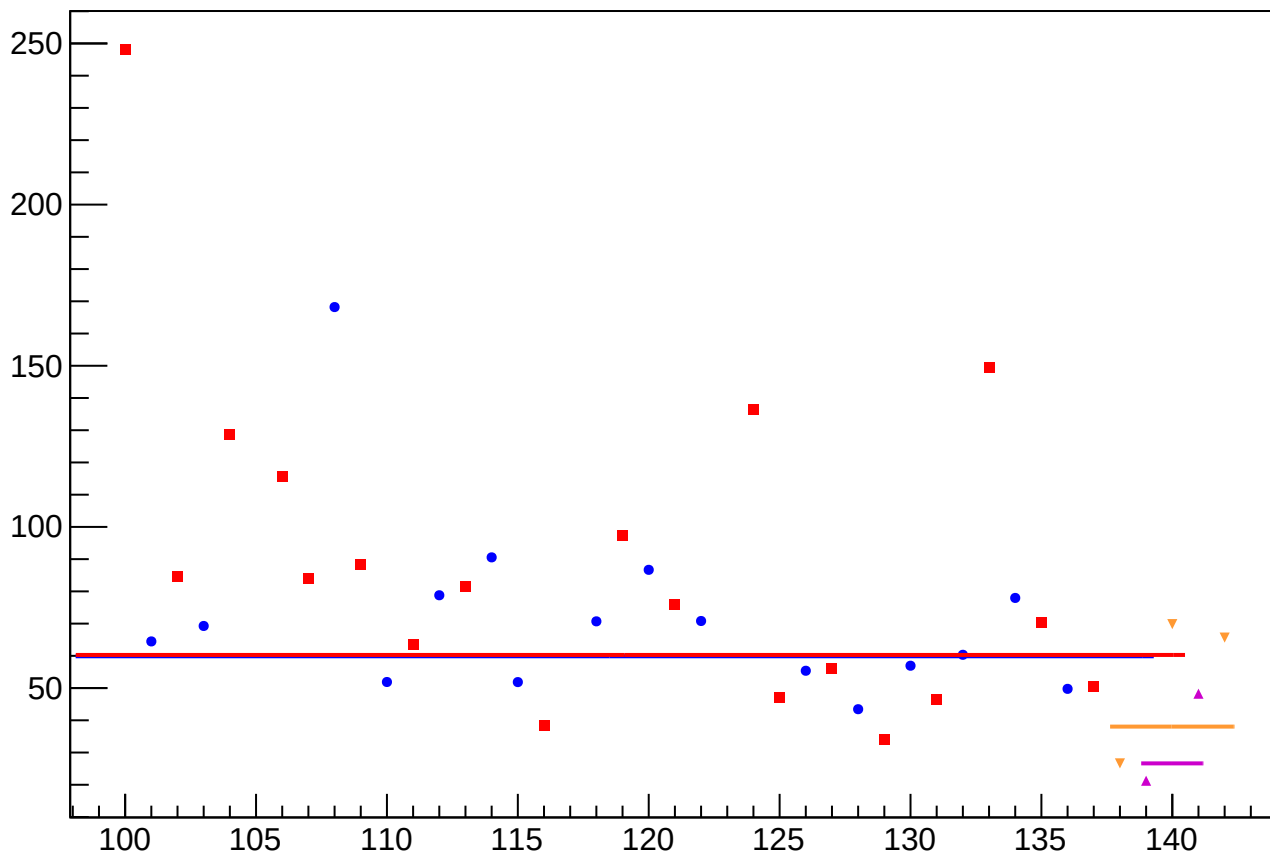
Left In: 0.032 ± 0.024 χ^2/NDF : 0.5/1

+ sign 0.005 ± 0.020 χ^2/NDF : 25.9/18

All: 0.030 ± 0.013 χ^2/NDF : 39.9/39

- sign 0.050 ± 0.018 χ^2/NDF : 11.2/20

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867 $\pm$ 0.017 χ^2 /NDF: 698954.5/15

Left Out: 38.045 $\pm$ 0.024 χ^2 /NDF: 600199.4/2

Right Out: 60.278 $\pm$ 0.018 χ^2 /NDF: 1977220.6/18

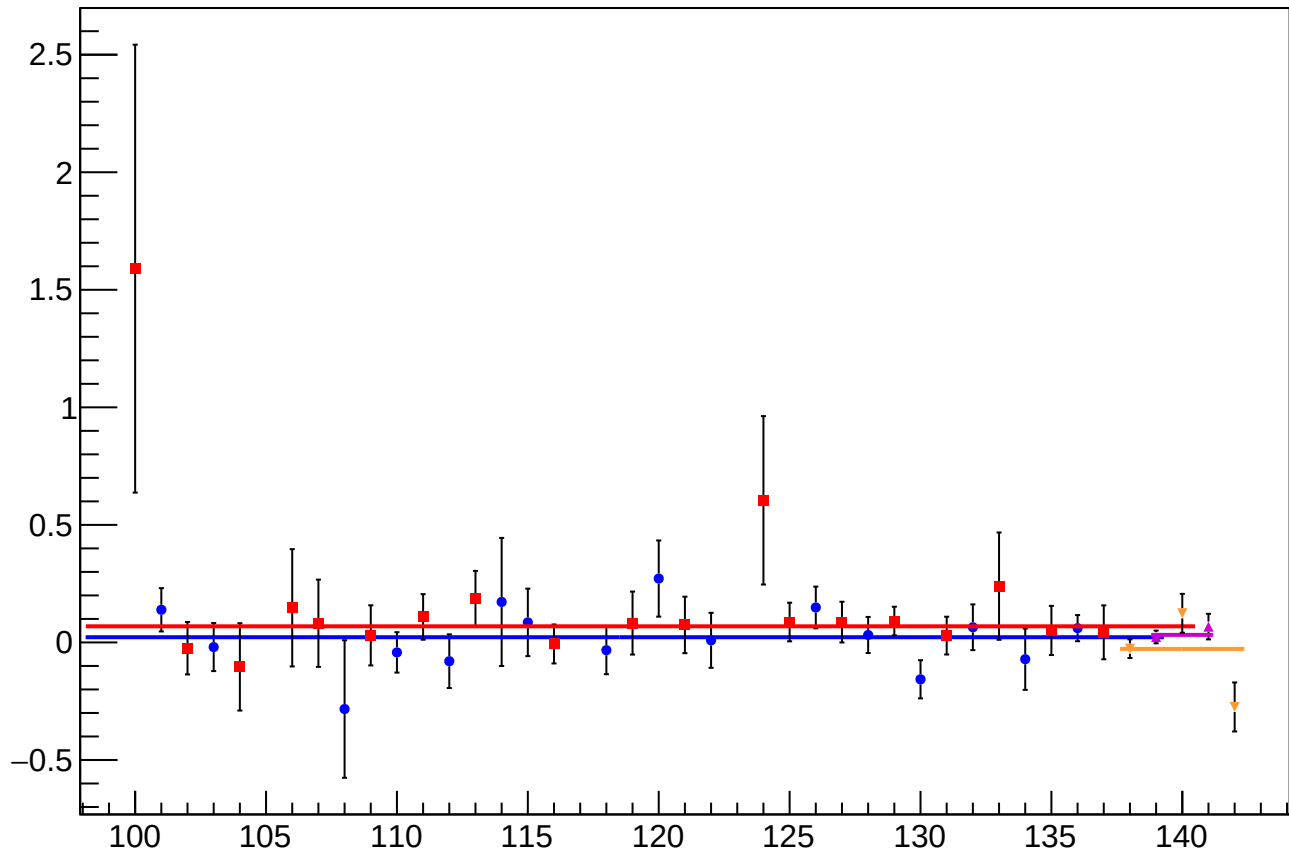
Left In: 26.634 $\pm$ 0.017 χ^2 /NDF: 394522.7/1

+ sign 52.319 $\pm$ 0.014 χ^2 /NDF: 1840282.4/18

All: 46.935 $\pm$ 0.009 χ^2 /NDF: 6311646.1/39

- sign 42.787 $\pm$ 0.012 χ^2 /NDF: 4213628.0/20

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 $\chi^2/\text{NDF}: 15.5/15$

Left Out: -0.028 ± 0.034 $\chi^2/\text{NDF}: 9.0/2$

Right Out: 0.069 ± 0.025 $\chi^2/\text{NDF}: 9.6/18$

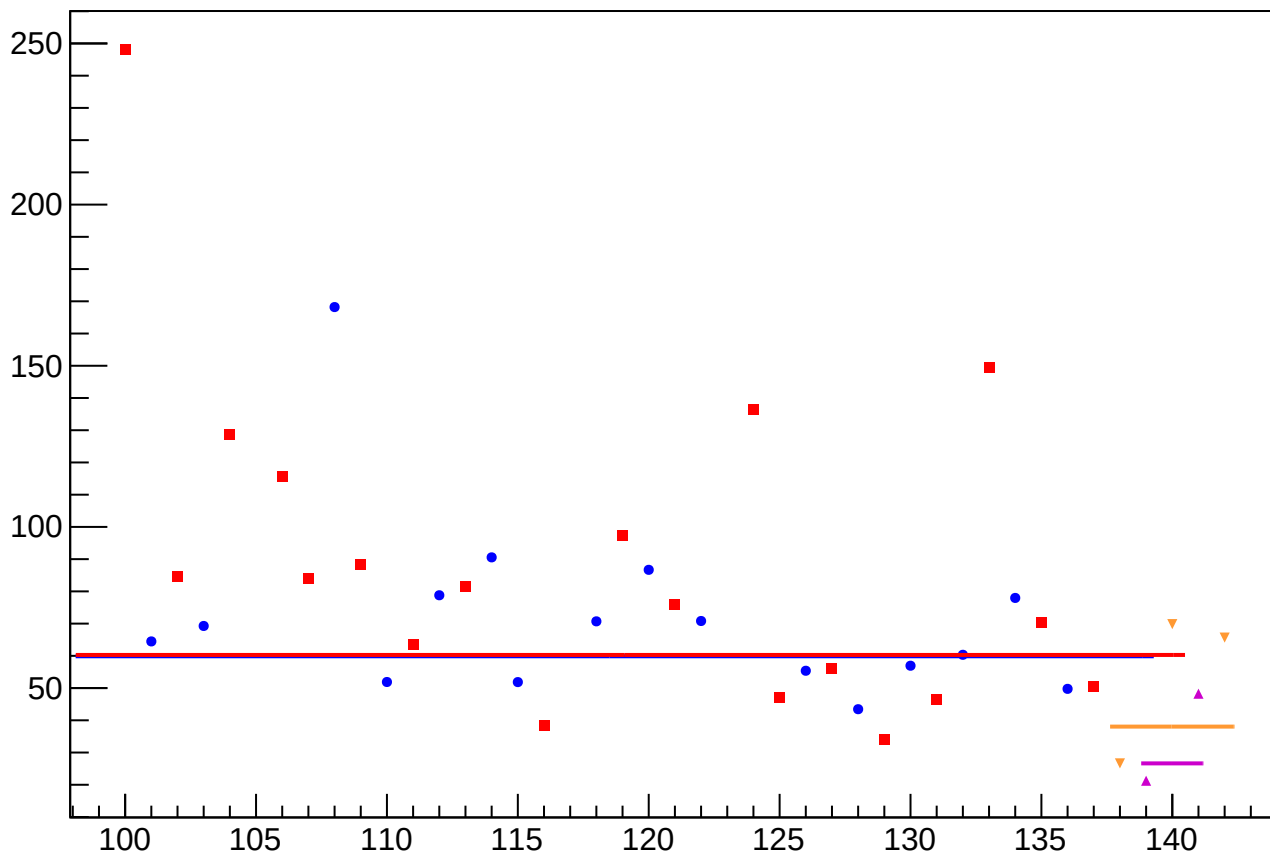
Left In: 0.032 ± 0.024 $\chi^2/\text{NDF}: 0.5/1$

+ sign 0.005 ± 0.020 $\chi^2/\text{NDF}: 25.9/18$

All: 0.030 ± 0.013 $\chi^2/\text{NDF}: 39.9/39$

- sign 0.050 ± 0.018 $\chi^2/\text{NDF}: 11.2/20$

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: 38.045 $\pm$ 0.024 χ^2 /NDF: 600199.4/2

Right Out: 60.278 $\pm$ 0.018 χ^2 /NDF: 1977220.6/18

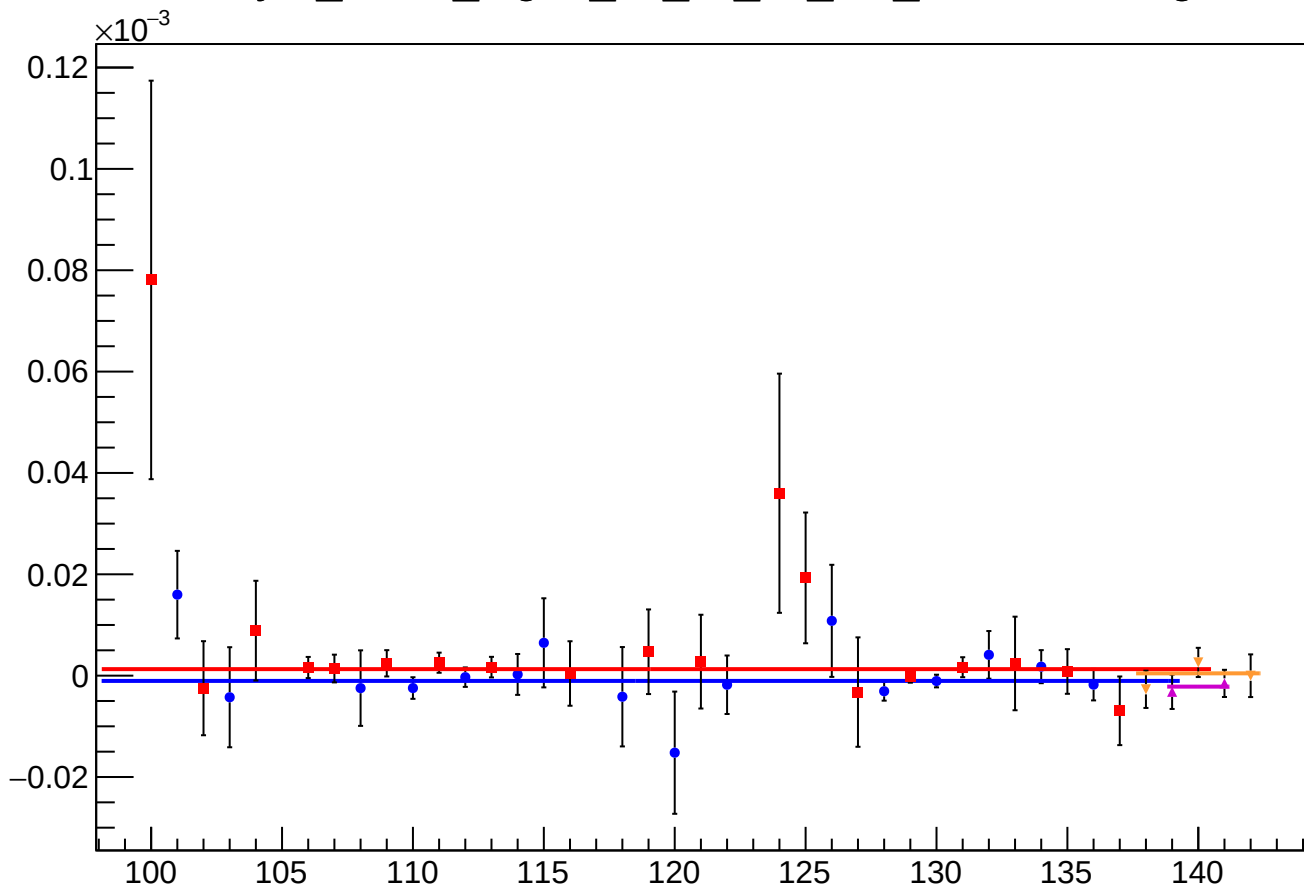
Left In: 26.634 $\pm$ 0.017 χ^2 /NDF: 394522.7/1

+ sign 52.319 $\pm$ 0.014 χ^2 /NDF: 1840282.4/18

All: 46.935 $\pm$ 0.009 χ^2 /NDF: 6311646.1/39

- sign 42.787 $\pm$ 0.012 χ^2 /NDF: 4213628.0/20

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 : 1.3/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 12.5/18

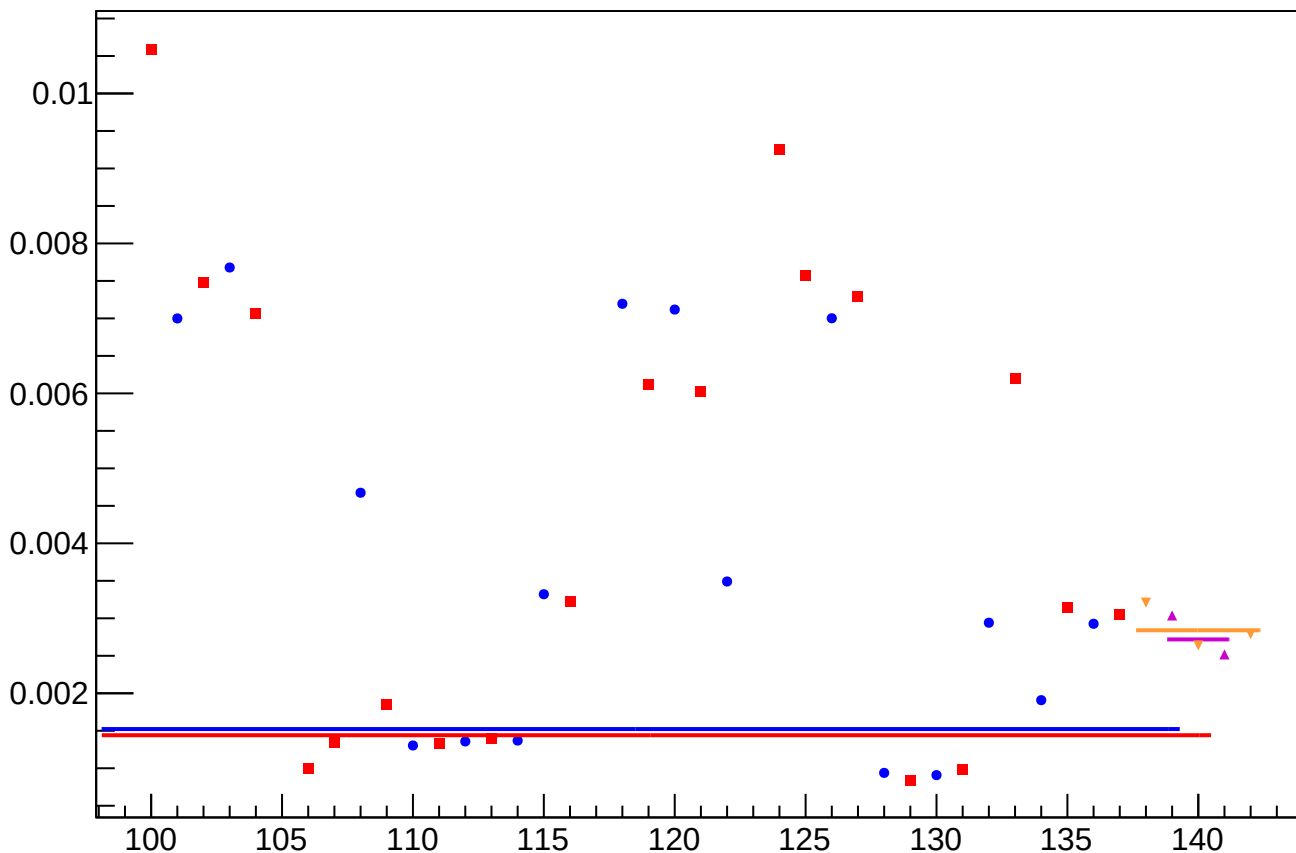
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 13.1/18

All: 0.000 ± 0.000 χ^2/NDF : 31.6/39

- sign 0.000 ± 0.000 χ^2/NDF : 15.0/20

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5182869.7/15

Left Out: 0.003+/-0.000 χ^2/NDF : 30174.6/2

Right Out: 0.001+/-0.000 χ^2/NDF : 5789411.1/18

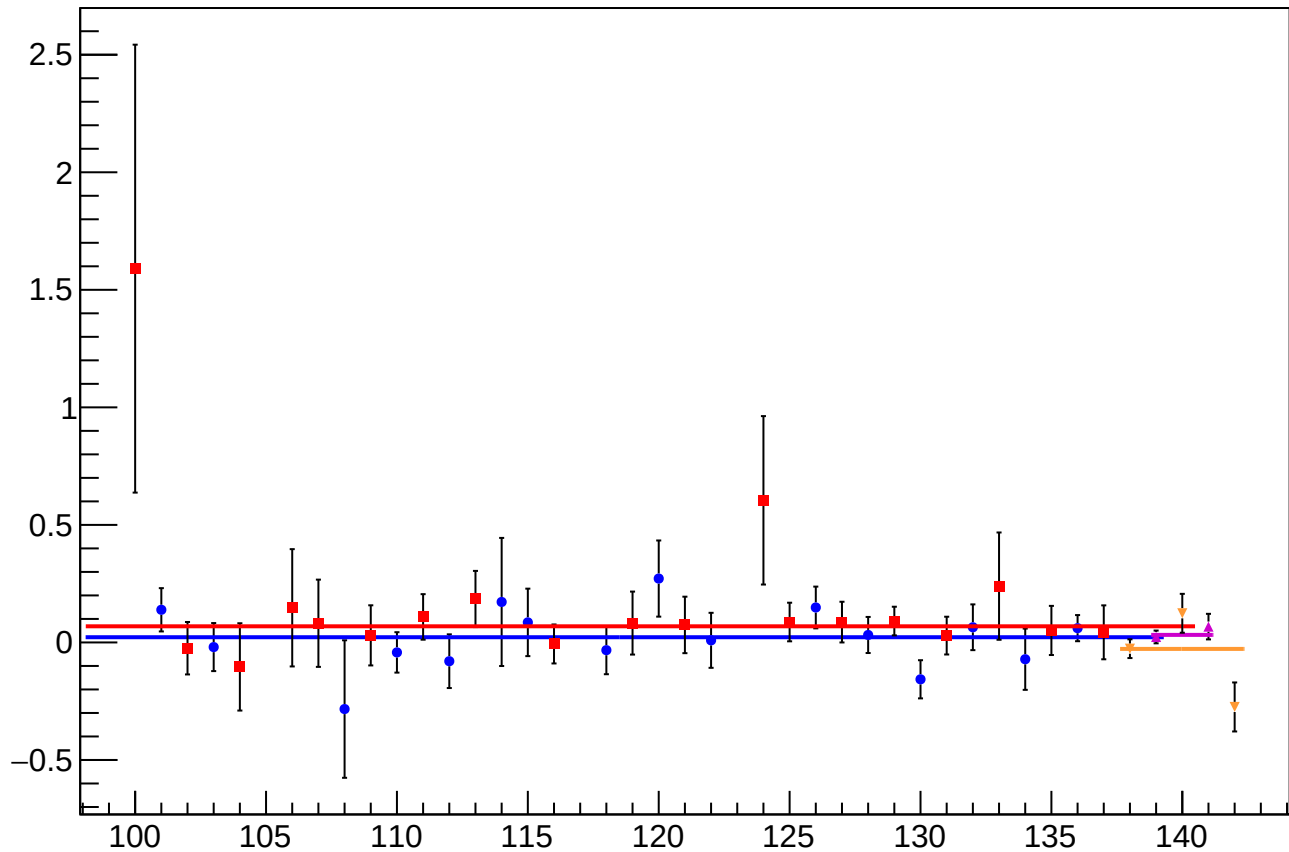
Left In: 0.003+/-0.000 χ^2/NDF : 28854.2/1

+ sign 0.002+/-0.000 χ^2/NDF : 5978488.6/18

All: 0.002+/-0.000 χ^2/NDF : 12489236.2/39

- sign 0.002+/-0.000 χ^2/NDF : 6482613.2/20

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 χ^2/NDF : 15.5/15

Left Out: -0.028 ± 0.034 χ^2/NDF : 9.0/2

Right Out: 0.069 ± 0.025 χ^2/NDF : 9.6/18

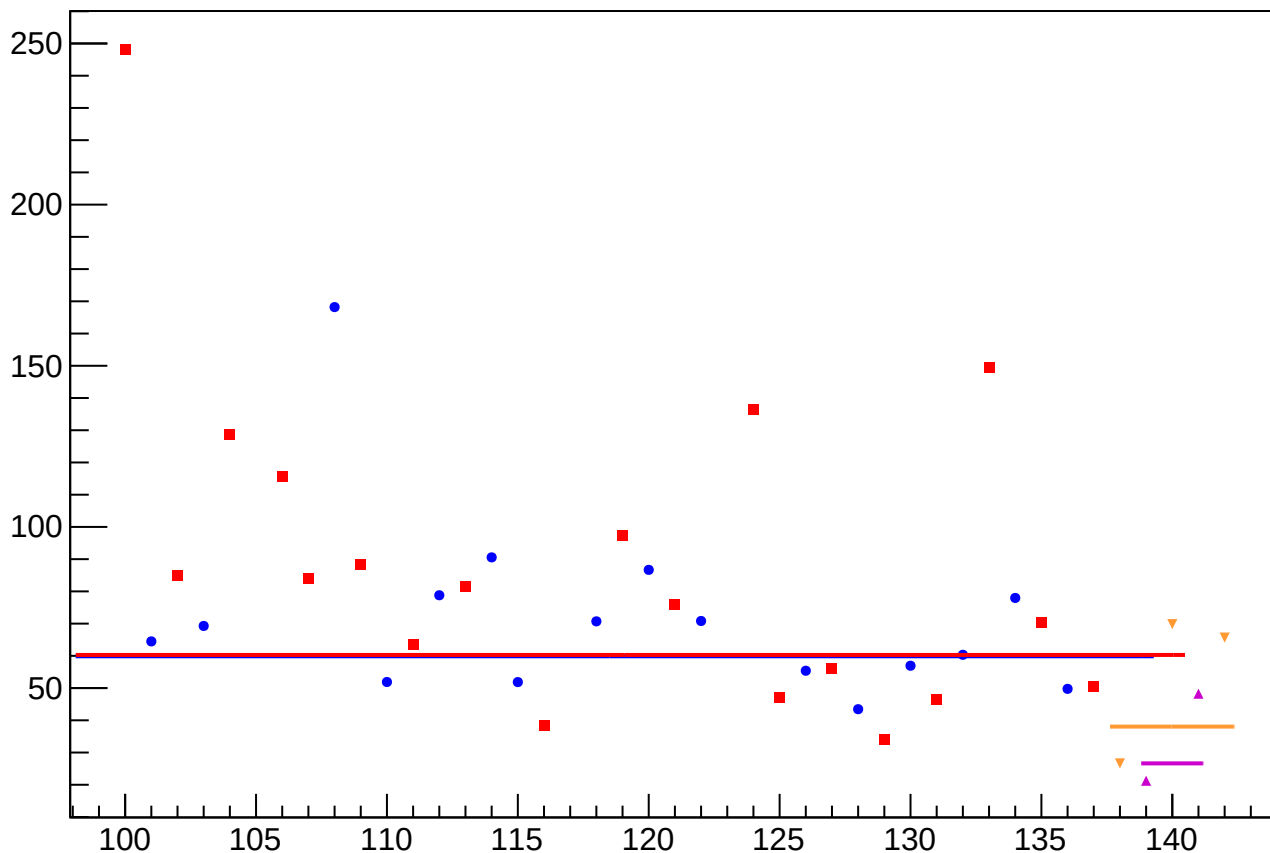
Left In: 0.032 ± 0.024 χ^2/NDF : 0.5/1

+ sign 0.005 ± 0.020 χ^2/NDF : 25.9/18

All: 0.030 ± 0.013 χ^2/NDF : 39.9/39

- sign 0.050 ± 0.018 χ^2/NDF : 11.2/20

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868 $\pm$ 0.017 χ^2 /NDF: 699008.9/15

Left Out: 38.043 $\pm$ 0.024 χ^2 /NDF: 600287.9/2

Right Out: 60.278 $\pm$ 0.018 χ^2 /NDF: 1977294.2/18

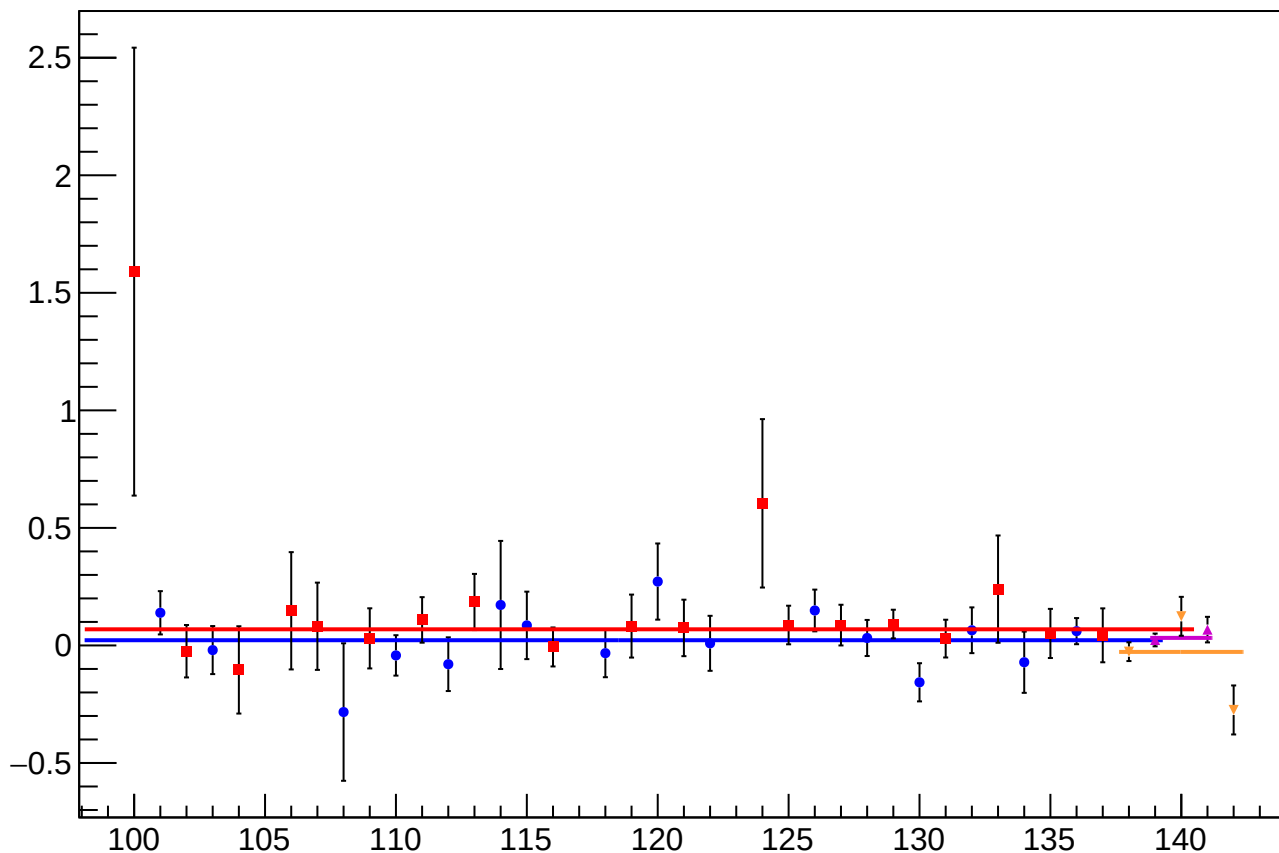
Left In: 26.633 $\pm$ 0.017 χ^2 /NDF: 394579.2/1

+ sign 52.318 $\pm$ 0.014 χ^2 /NDF: 1840596.7/18

All: 46.934 $\pm$ 0.009 χ^2 /NDF: 6312355.0/39

- sign 42.786 $\pm$ 0.012 χ^2 /NDF: 4213995.0/20

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 χ^2/NDF : 15.5/15

Left Out: -0.028 ± 0.034 χ^2/NDF : 9.0/2

Right Out: 0.069 ± 0.025 χ^2/NDF : 9.6/18

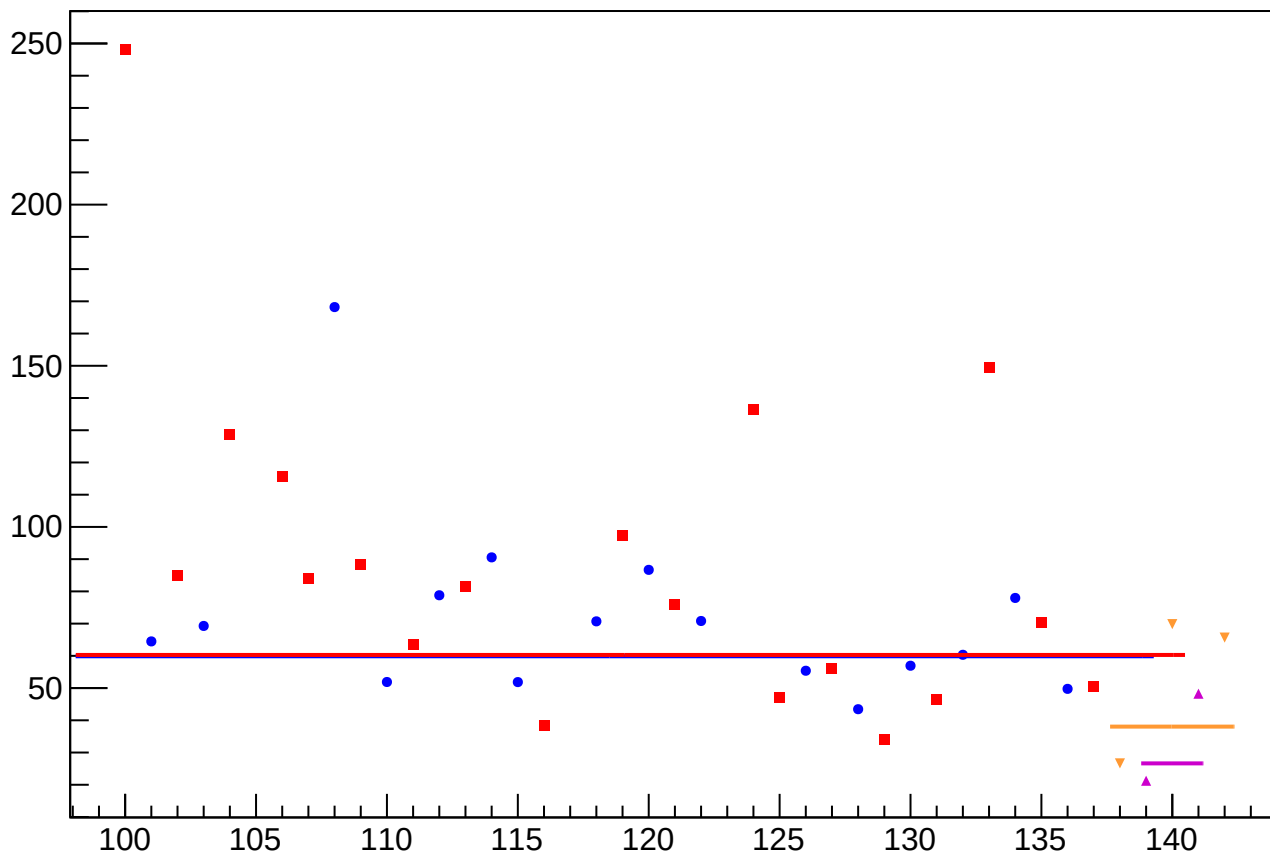
Left In: 0.032 ± 0.024 χ^2/NDF : 0.5/1

+ sign 0.005 ± 0.020 χ^2/NDF : 25.9/18

All: 0.030 ± 0.013 χ^2/NDF : 39.9/39

- sign 0.050 ± 0.018 χ^2/NDF : 11.2/20

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: 38.043 $\pm$ 0.024 χ^2 /NDF: 600287.9/2

Right Out: 60.278 $\pm$ 0.018 χ^2 /NDF: 1977294.2/18

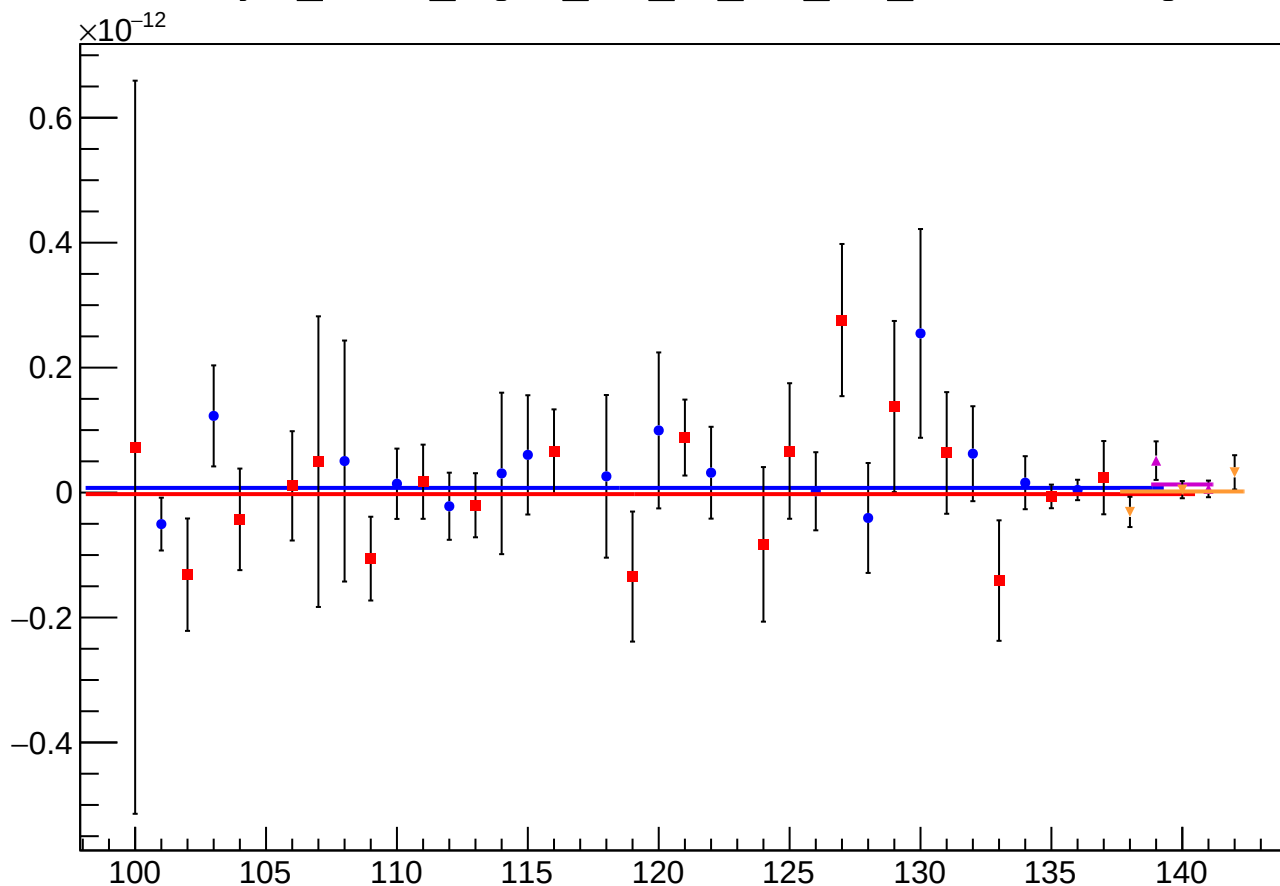
Left In: 26.633 $\pm$ 0.017 χ^2 /NDF: 394579.2/1

+ sign 52.318 $\pm$ 0.014 χ^2 /NDF: 1840596.7/18

All: 46.934 $\pm$ 0.009 χ^2 /NDF: 6312355.0/39

- sign 42.786 $\pm$ 0.012 χ^2 /NDF: 4213995.0/20

asym_sam3_eigen_cor_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:3.1/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/18

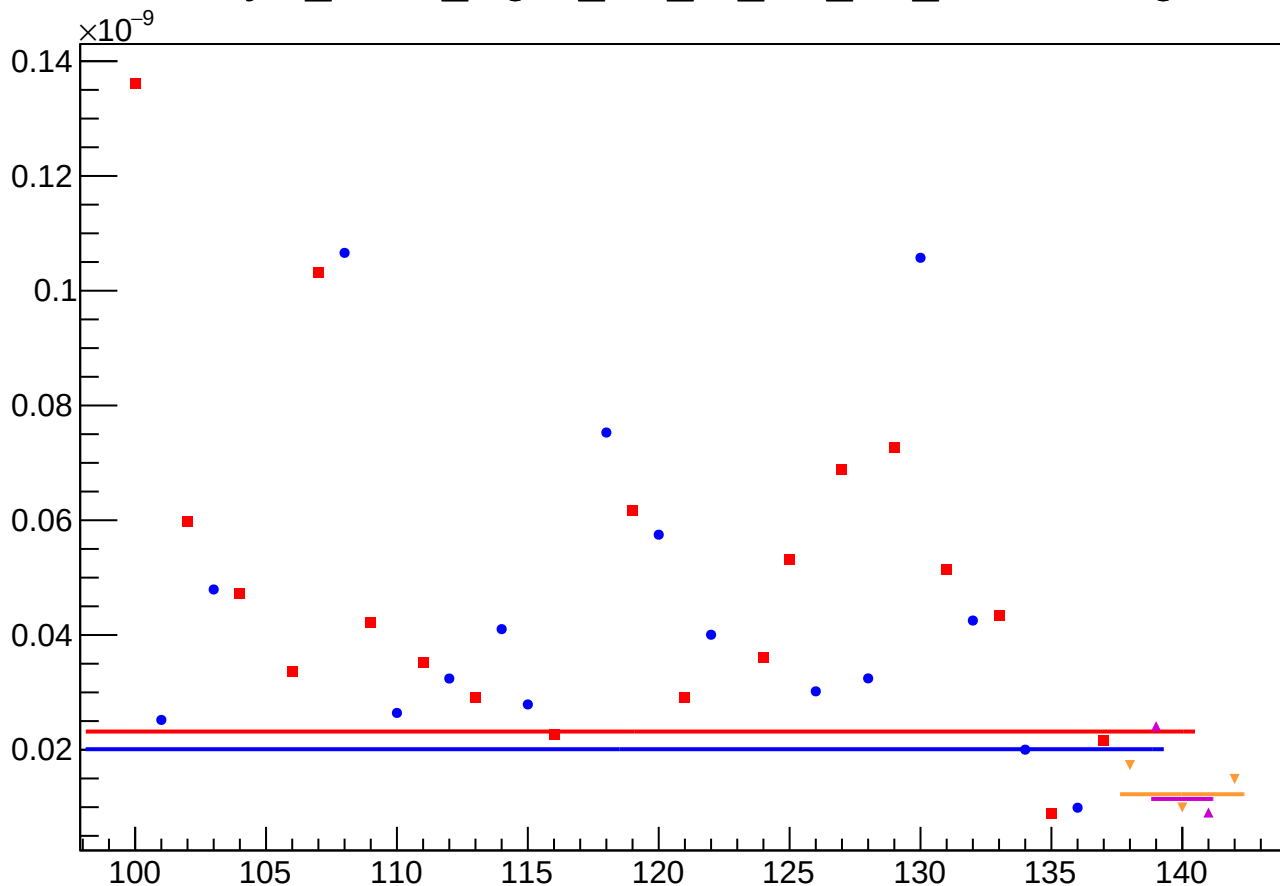
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11.6/18

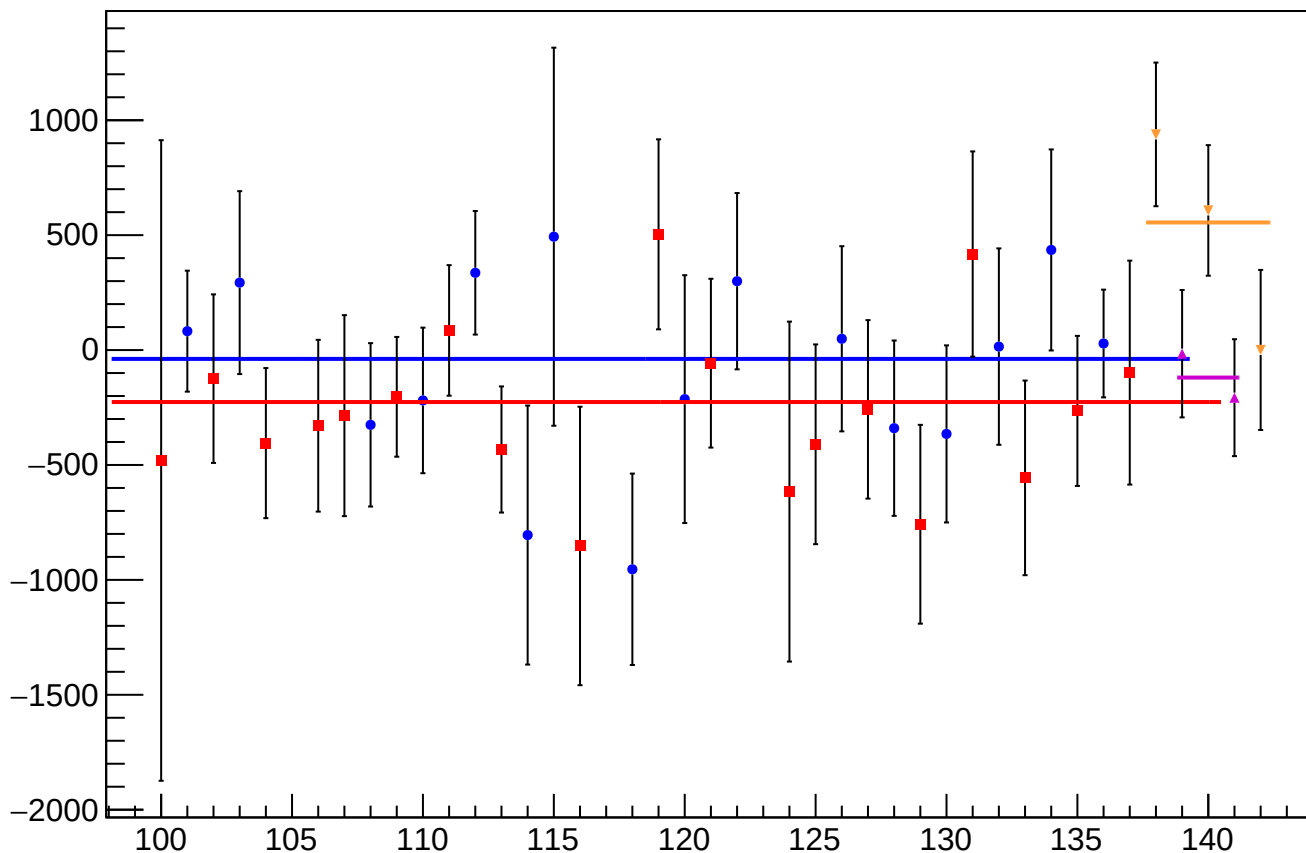
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 33.8/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/20

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_sam4_mean vs Slug



Right In: -38.498 ± 90.619 χ^2/NDF : 14.5/15

Left Out: 555.157 ± 179.966 χ^2/NDF : 4.1/2

Right Out: -226.168 ± 87.908 χ^2/NDF : 11.4/18

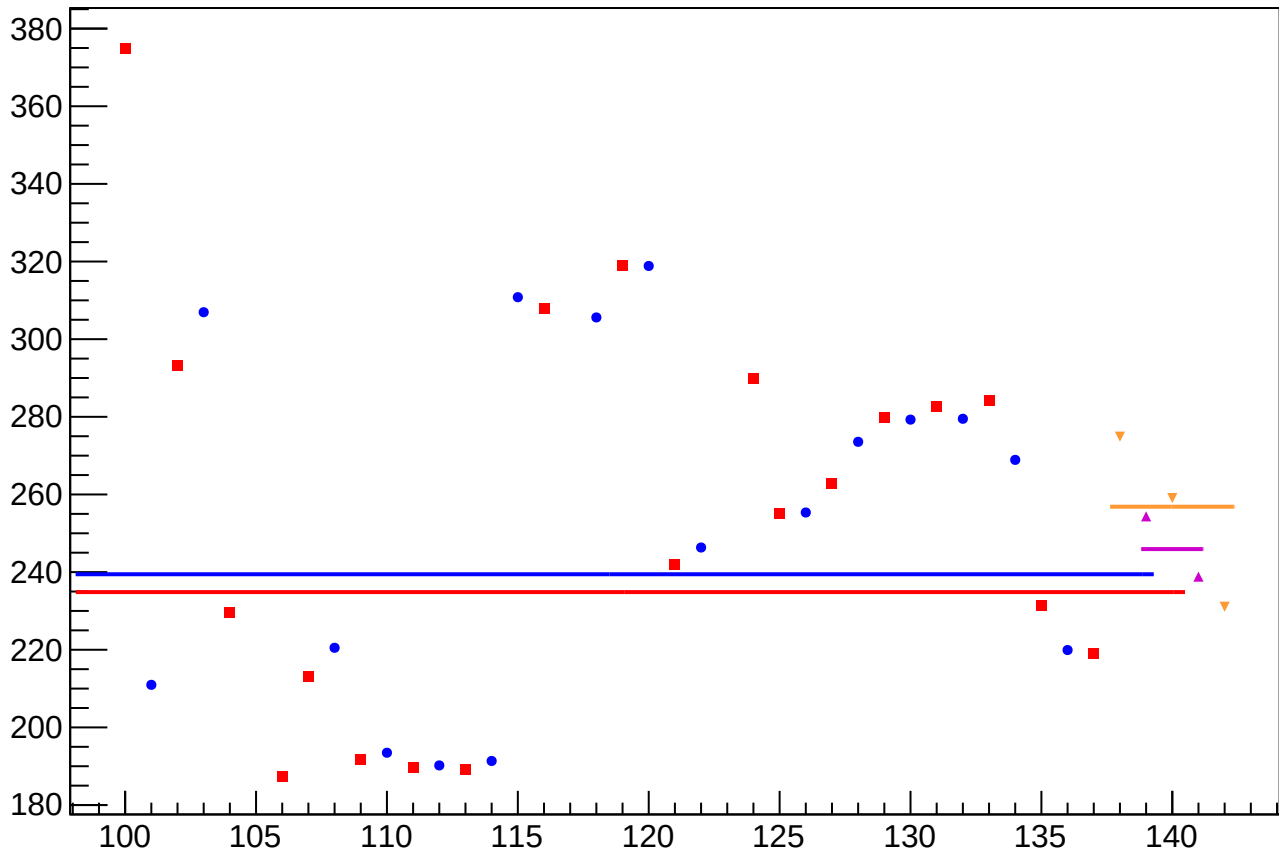
Left In: -119.716 ± 187.399 χ^2/NDF : 0.3/1

+ sign 81.576 ± 80.937 χ^2/NDF : 27.2/18

All: -65.123 ± 56.748 χ^2/NDF : 45.6/39

- sign -206.968 ± 79.586 χ^2/NDF : 11.9/20

reg_asym_sam4_rms vs Slug



Right In: 239.449 $\pm$ 0.064 χ^2 /NDF: 400955.7/15

Left Out: 256.844 $\pm$ 0.127 χ^2 /NDF:17737.5/2

Right Out: 234.855 $\pm$ 0.062 χ^2 /NDF: 481715.3/18

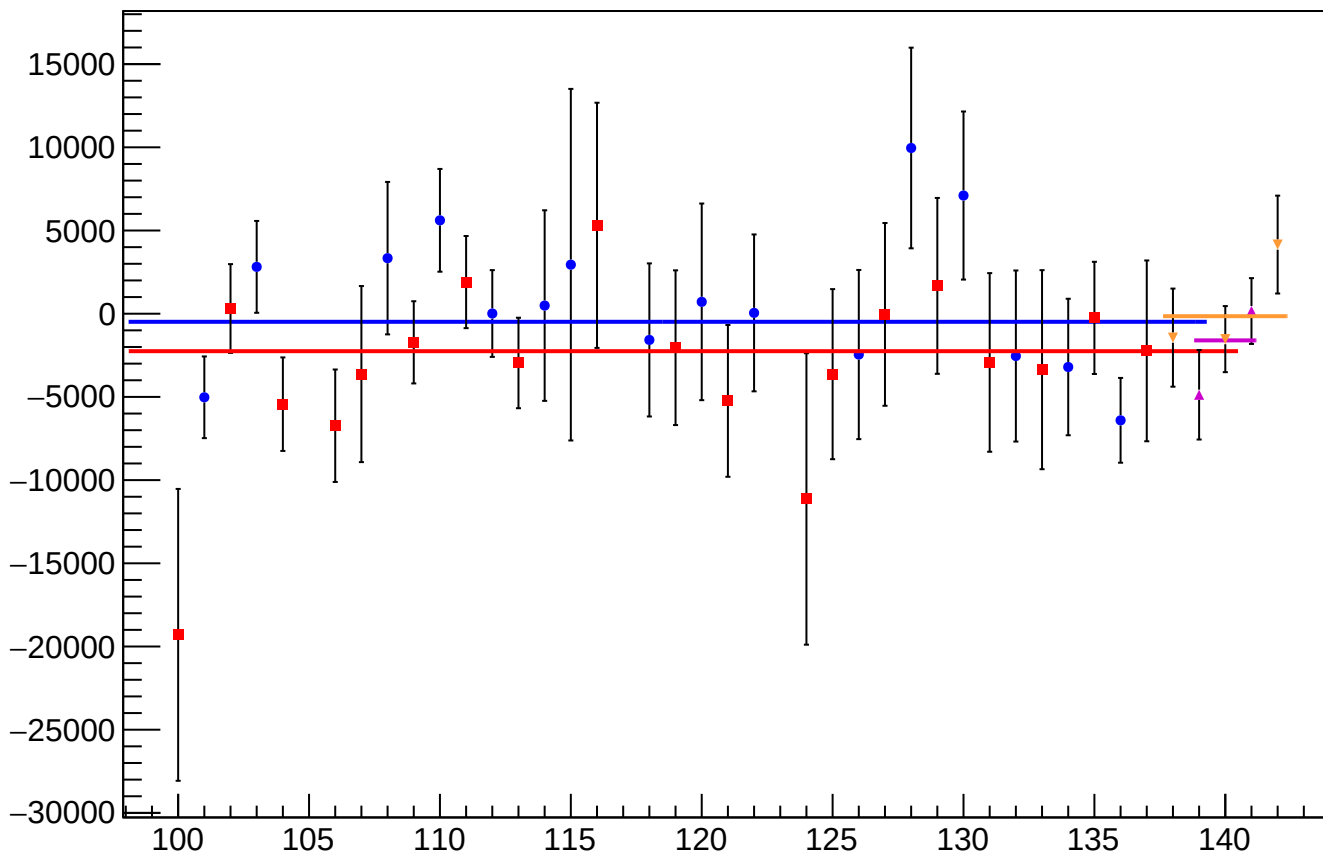
Left In: 245.933 $\pm$ 0.133 χ^2 /NDF:3406.3/1

+ sign 242.967 $\pm$ 0.057 χ^2 /NDF: 433598.5/18

All: 239.858 $\pm$ 0.040 χ^2 /NDF: 930252.3/39

- sign 236.853 $\pm$ 0.056 χ^2 /NDF: 490850.2/20

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF : 21.1/15

Left Out: -149.713+/-1436.798 χ^2/NDF : 2.8/2

Right Out: -2251.898+/-894.171 χ^2/NDF : 13.9/18

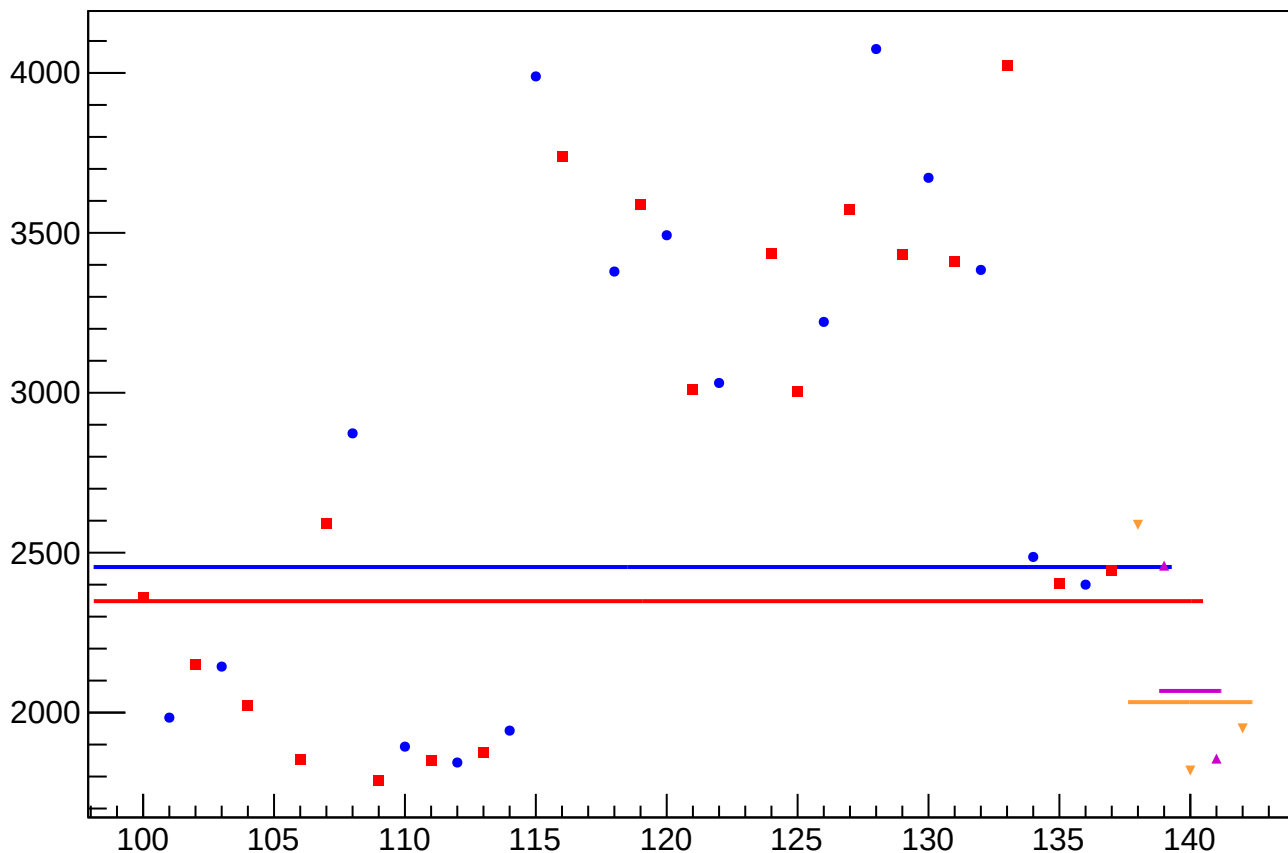
Left In: -1603.040+/-1593.239 χ^2/NDF : 2.3/1

+ sign -384.039+/-790.968 χ^2/NDF : 24.0/18

All: -1252.475+/-555.294 χ^2/NDF : 42.6/39

- sign -2096.477+/-779.761 χ^2/NDF : 16.3/20

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF : 894389.6/15

Left Out: 2032.645+/-1.016 χ^2/NDF : 95549.7/2

Right Out: 2348.446+/-0.632 χ^2/NDF : 1052421.6/18

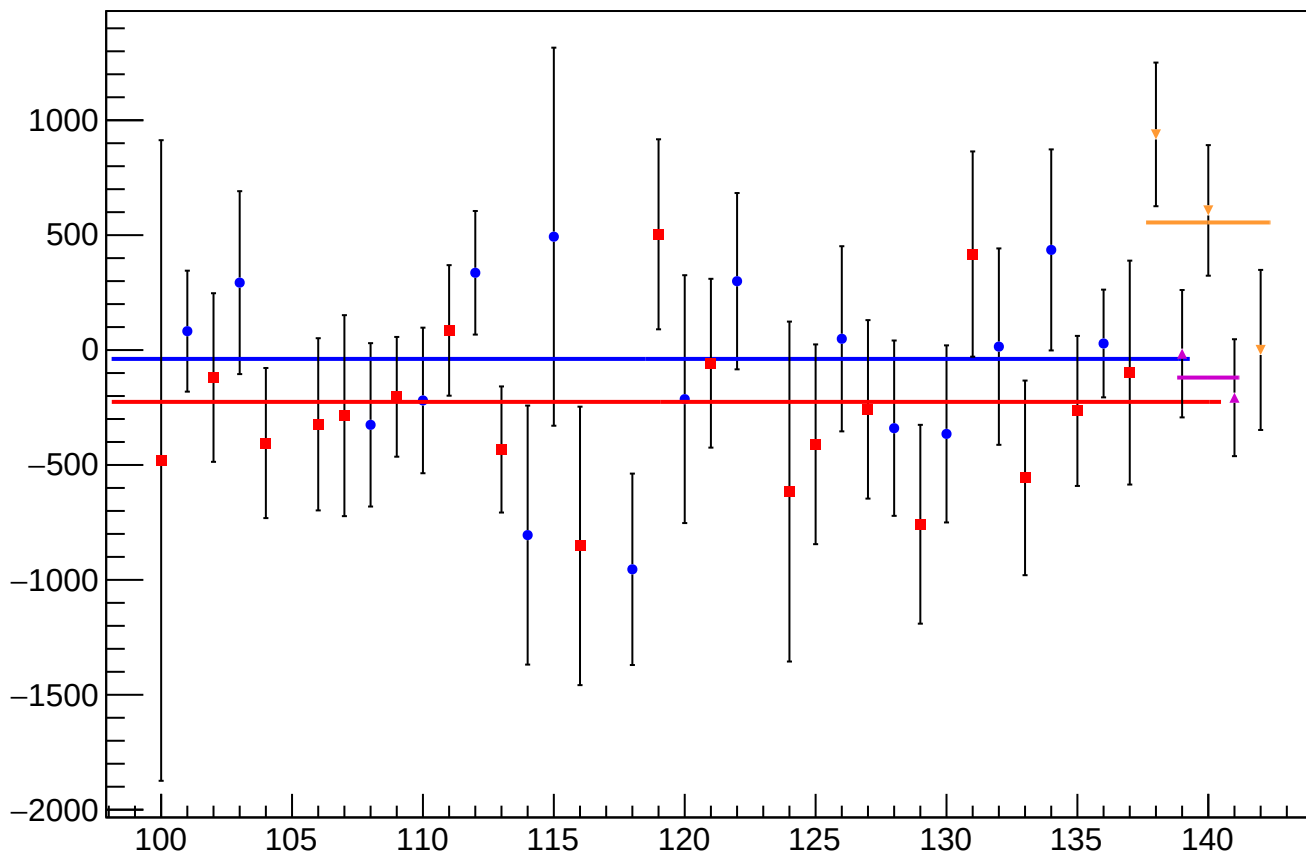
Left In: 2067.686+/-1.127 χ^2/NDF : 65304.5/1

+ sign 2327.073+/-0.559 χ^2/NDF : 1110443.7/18

All: 2303.807+/-0.393 χ^2/NDF : 2278812.3/39

- sign 2281.196+/-0.551 χ^2/NDF : 1164956.3/20

cor_asym_sam4_mean vs Slug



Right In: -38.519 ± 90.619 χ^2/NDF : 14.5/15

Left Out: 555.179 ± 179.966 χ^2/NDF : 4.1/2

Right Out: -225.515 ± 87.922 χ^2/NDF : 11.4/18

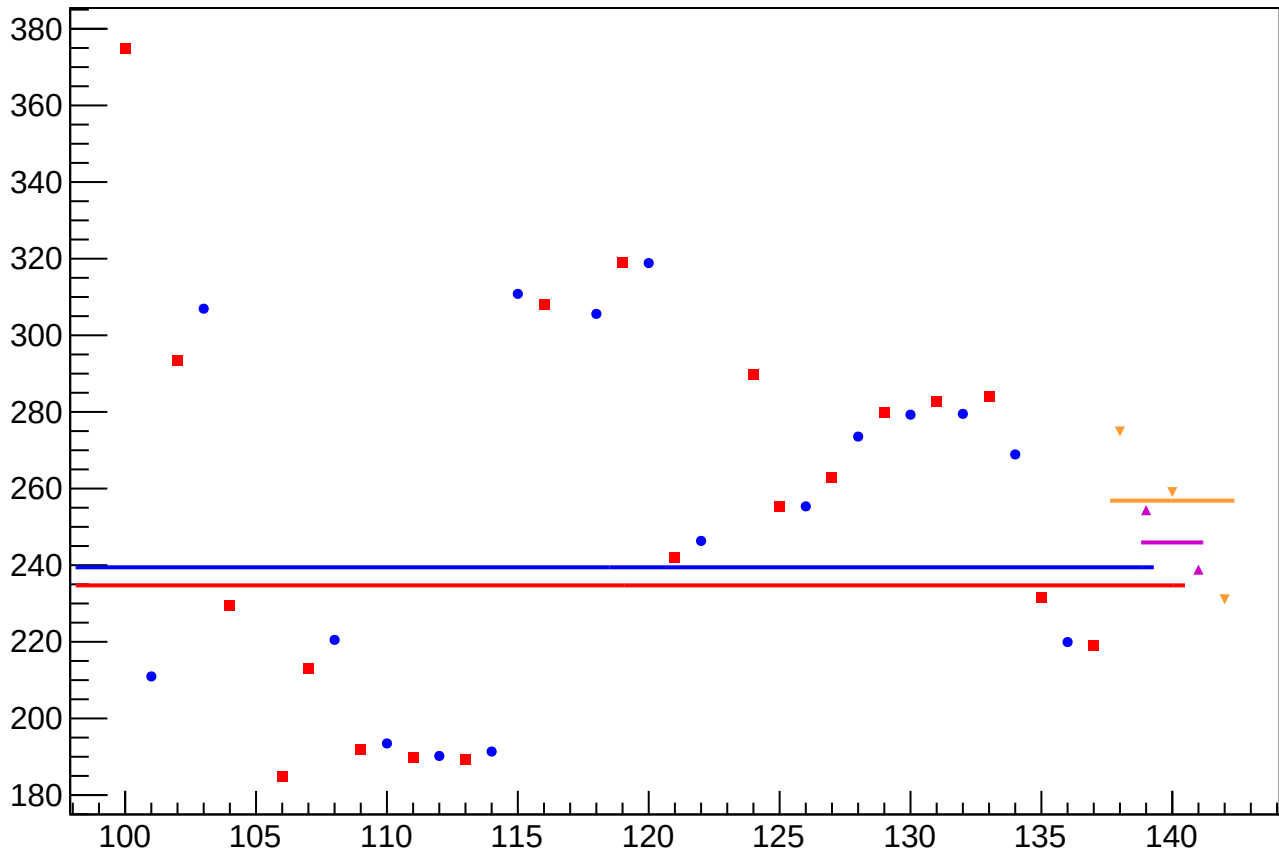
Left In: -119.738 ± 187.399 χ^2/NDF : 0.3/1

+ sign 81.564 ± 80.937 χ^2/NDF : 27.2/18

All: -64.838 ± 56.751 χ^2/NDF : 45.6/39

- sign -206.432 ± 79.597 χ^2/NDF : 11.9/20

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF : 400958.1/15

Left Out: 256.844+/-0.127 χ^2/NDF :17737.5/2

Right Out: 234.733+/-0.062 χ^2/NDF : 485238.4/18

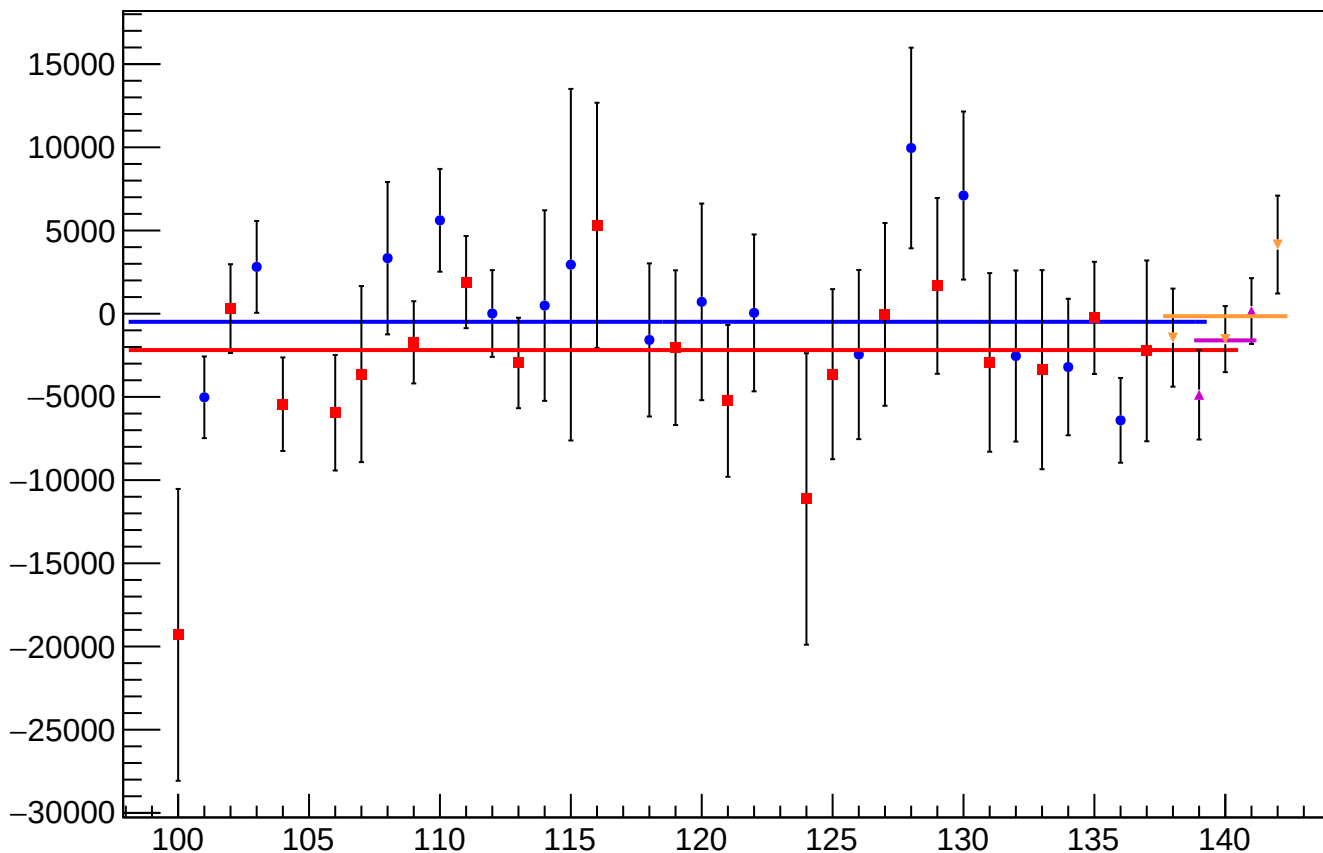
Left In: 245.933+/-0.133 χ^2/NDF :3406.3/1

+ sign 242.967+/-0.057 χ^2/NDF : 433600.7/18

All: 239.808+/-0.040 χ^2/NDF : 934093.1/39

- sign 236.753+/-0.056 χ^2/NDF : 494499.5/20

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF : 21.1/15

Left Out: -149.687+/-1436.796 χ^2/NDF : 2.8/2

Right Out: -2184.834+/-895.863 χ^2/NDF : 13.3/18

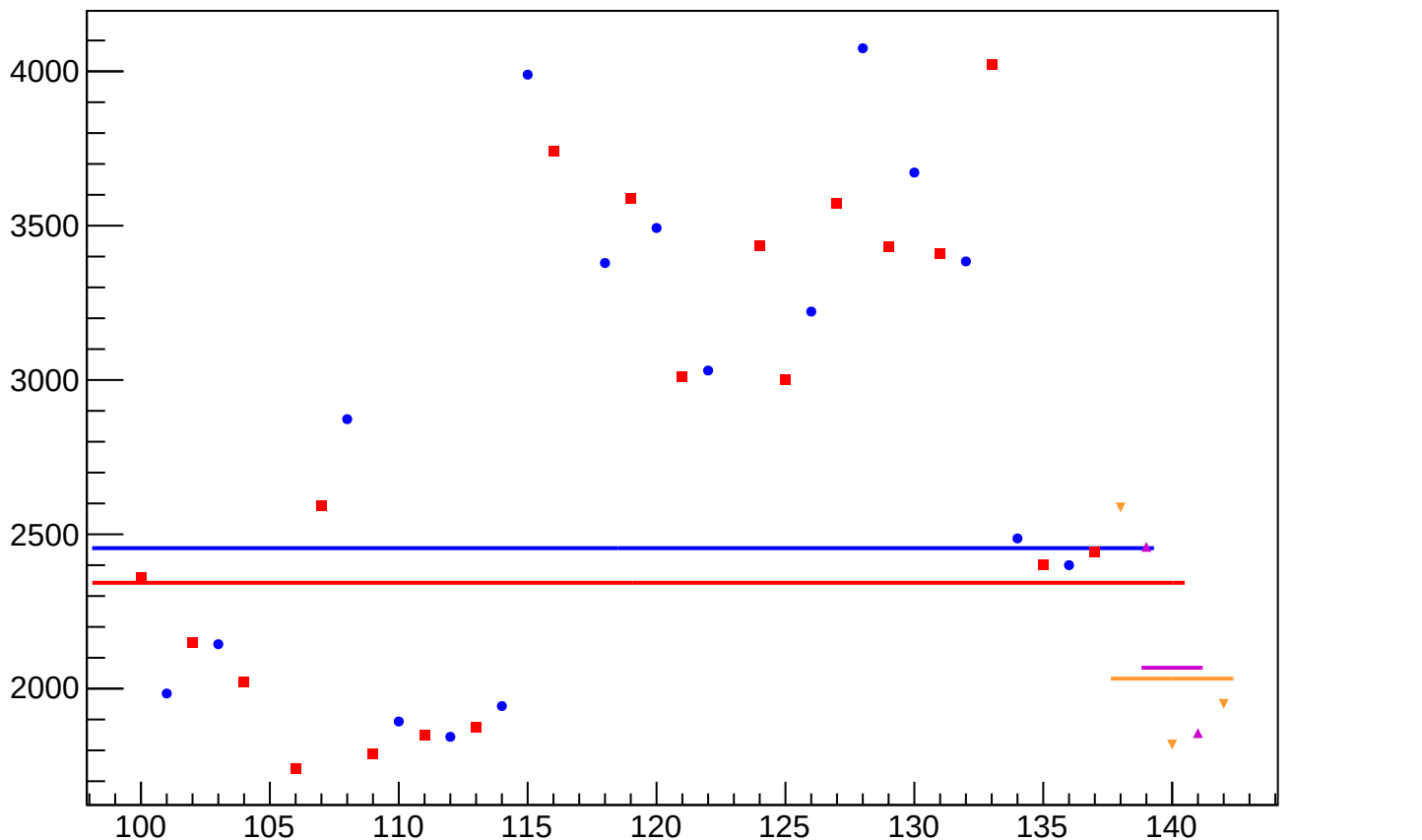
Left In: -1603.102+/-1593.240 χ^2/NDF : 2.3/1

+ sign -384.148+/-790.972 χ^2/NDF : 24.0/18

All: -1225.281+/-555.700 χ^2/NDF : 41.8/39

- sign -2045.091+/-780.882 χ^2/NDF : 15.6/20

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF : 894358.3/15

Left Out: 2032.642+/-1.016 χ^2/NDF : 95549.8/2

Right Out: 2342.955+/-0.633 χ^2/NDF : 1070387.8/18

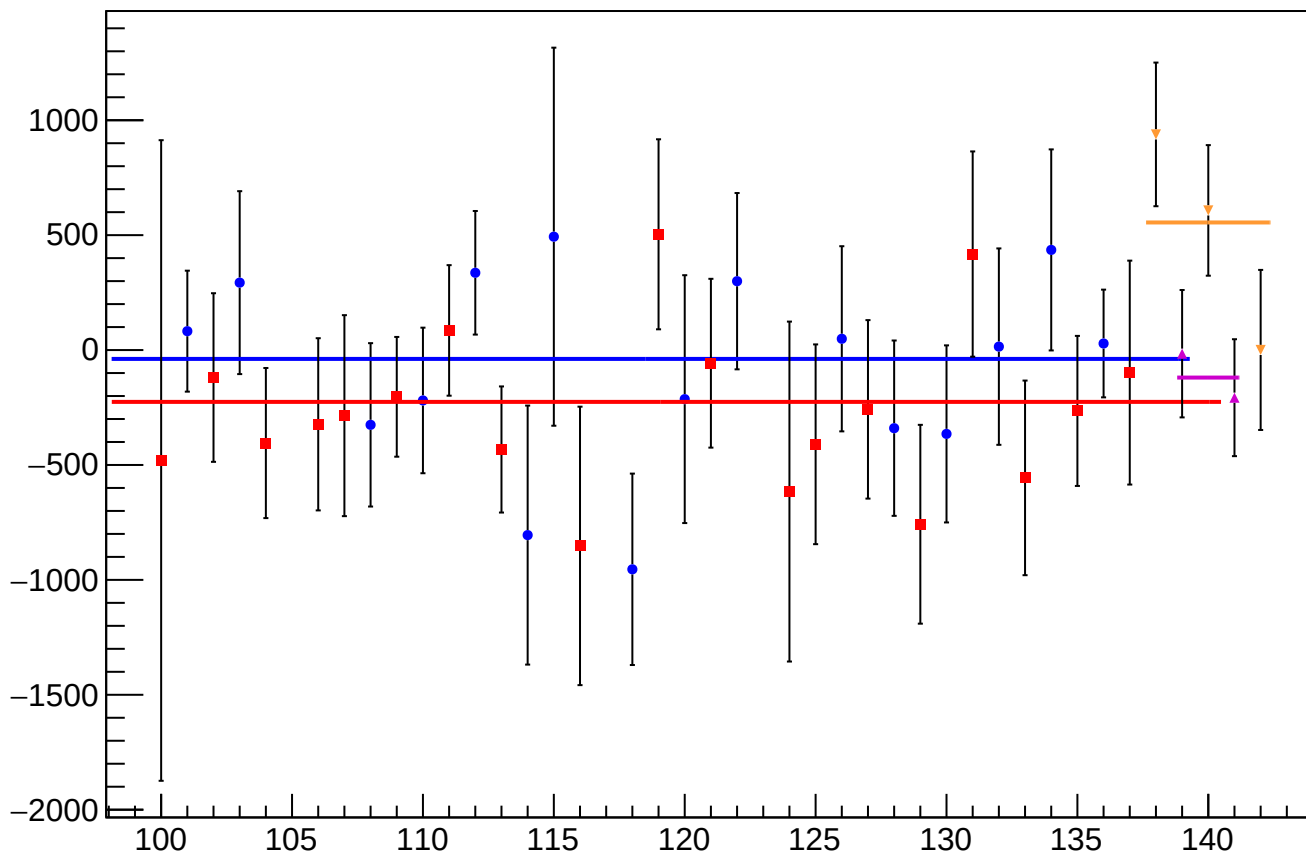
Left In: 2067.688+/-1.127 χ^2/NDF : 65303.5/1

+ sign 2327.088+/-0.559 χ^2/NDF : 1110427.4/18

All: 2301.637+/-0.393 χ^2/NDF : 2295566.9/39

- sign 2276.831+/-0.552 χ^2/NDF : 1181050.5/20

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519 ± 90.619 χ^2/NDF : 14.5/15

Left Out: 555.179 ± 179.966 χ^2/NDF : 4.1/2

Right Out: -225.515 ± 87.922 χ^2/NDF : 11.4/18

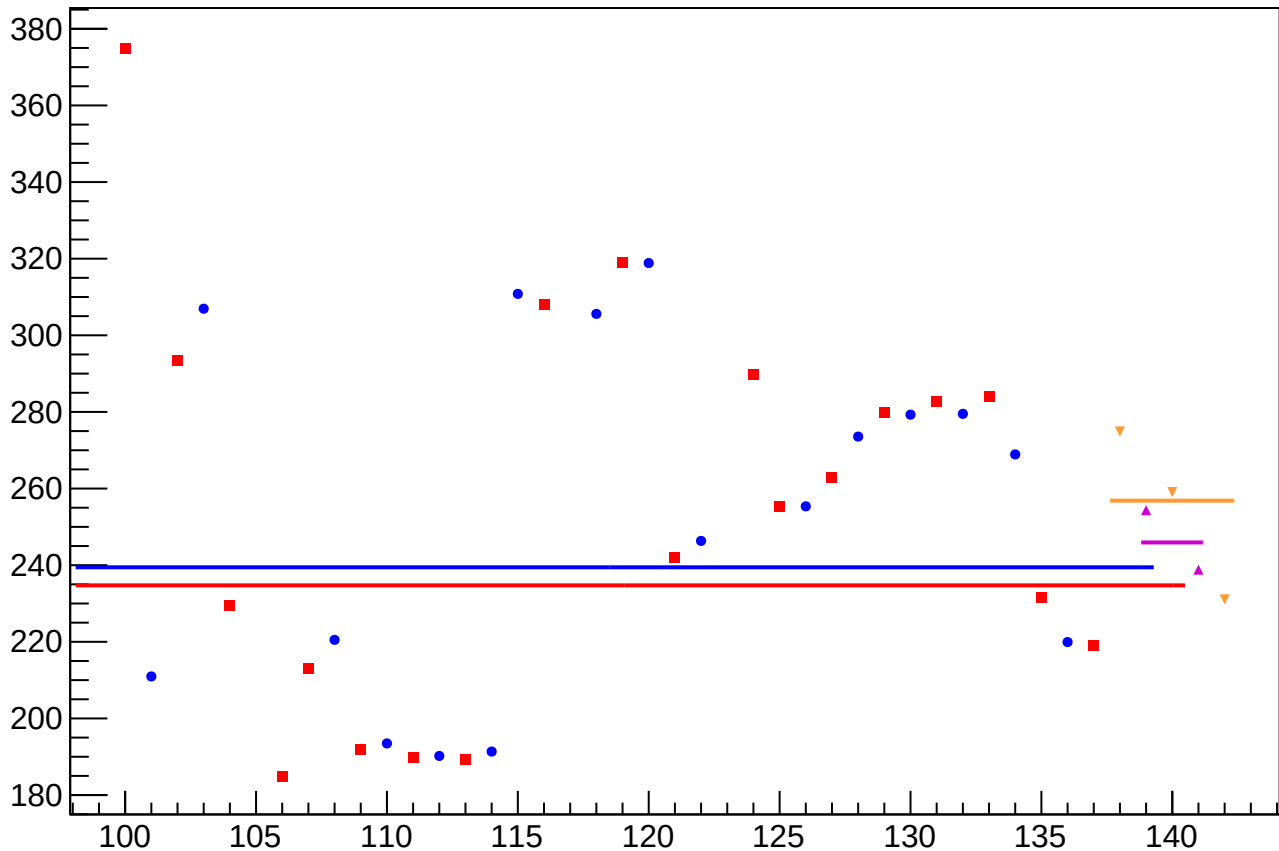
Left In: -119.738 ± 187.399 χ^2/NDF : 0.3/1

+ sign 81.564 ± 80.937 χ^2/NDF : 27.2/18

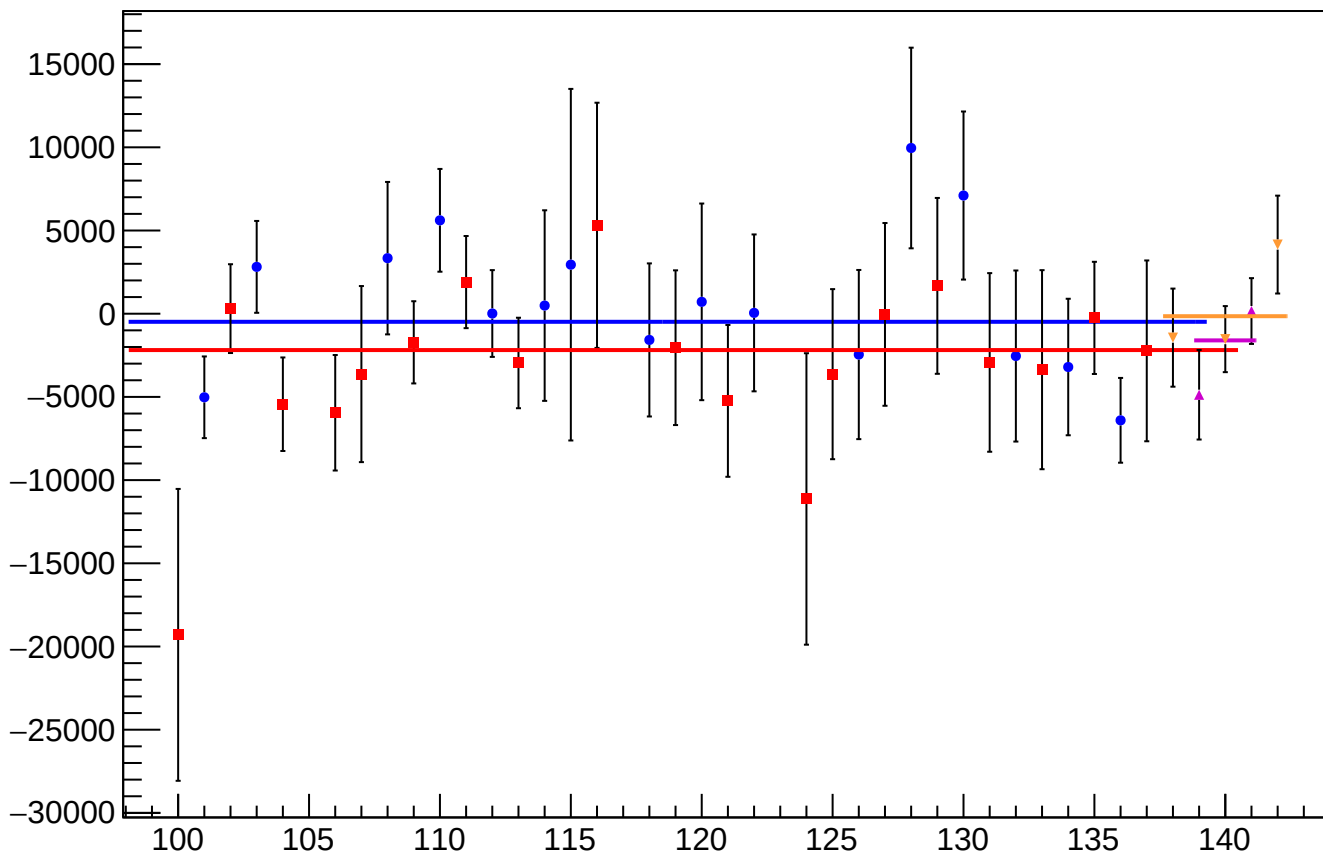
All: -64.838 ± 56.751 χ^2/NDF : 45.6/39

- sign -206.432 ± 79.597 χ^2/NDF : 11.9/20

eigen_cor_asym_sam4_rms vs Slug



asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF : 21.1/15

Left Out: -149.687+/-1436.796 χ^2/NDF : 2.8/2

Right Out: -2184.834+/-895.863 χ^2/NDF : 13.3/18

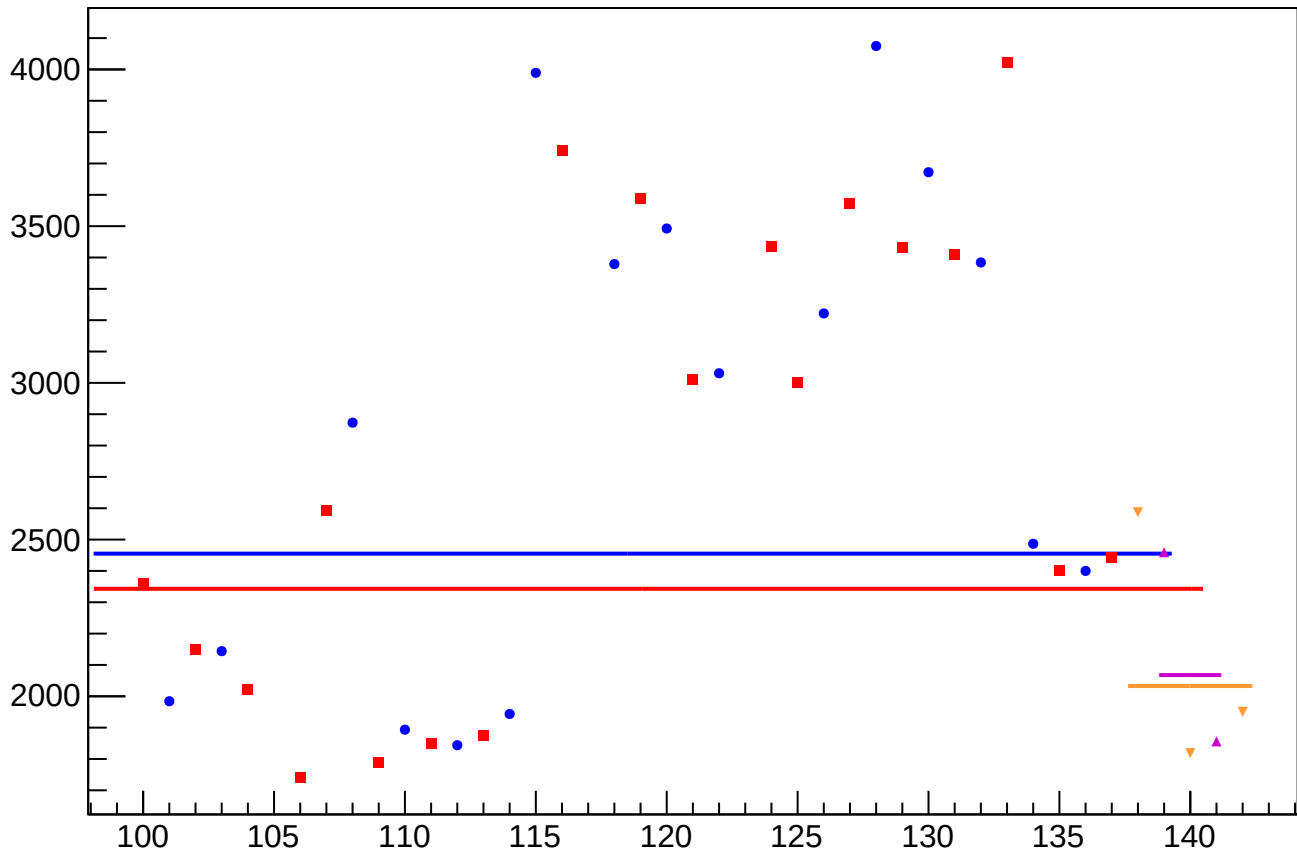
Left In: -1603.102+/-1593.240 χ^2/NDF : 2.3/1

+ sign -384.148+/-790.972 χ^2/NDF : 24.0/18

All: -1225.281+/-555.700 χ^2/NDF : 41.8/39

- sign -2045.091+/-780.882 χ^2/NDF : 15.6/20

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF : 894358.3/15

Left Out: 2032.642+/-1.016 χ^2/NDF : 95549.8/2

+ sign 2327.088+/-0.559 χ^2/NDF : 1110427.4/18

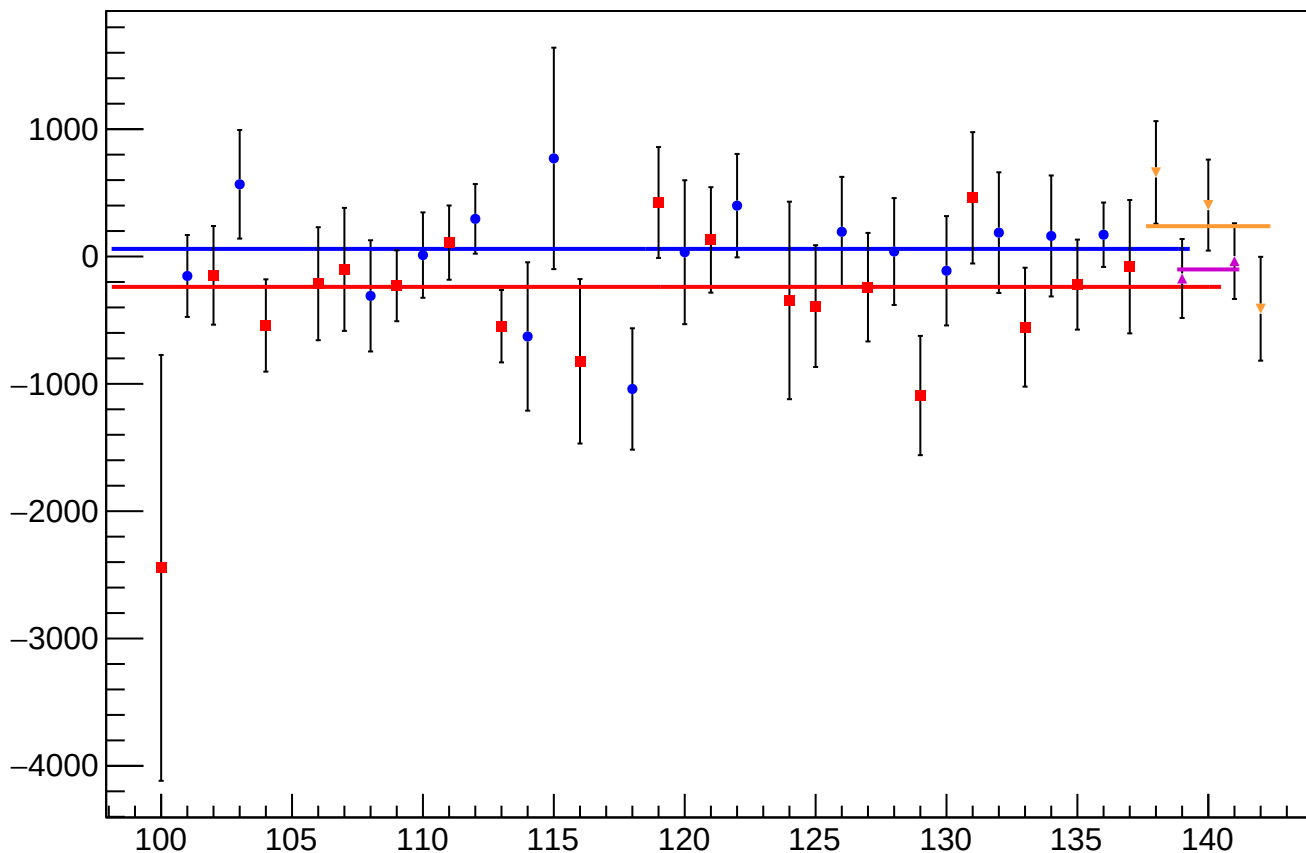
Right Out: 2342.955+/-0.633 χ^2/NDF : 1070387.8/18

All: 2301.637+/-0.393 χ^2/NDF : 2295566.9/39

- sign 2276.831+/-0.552 χ^2/NDF : 1181050.5/20

Left In: 2067.688+/-1.127 χ^2/NDF : 65303.5/1

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF : 12.0/15

Left Out: 238.065+/-223.562 χ^2/NDF : 3.8/2

Right Out: -238.516+/-95.062 χ^2/NDF : 14.9/18

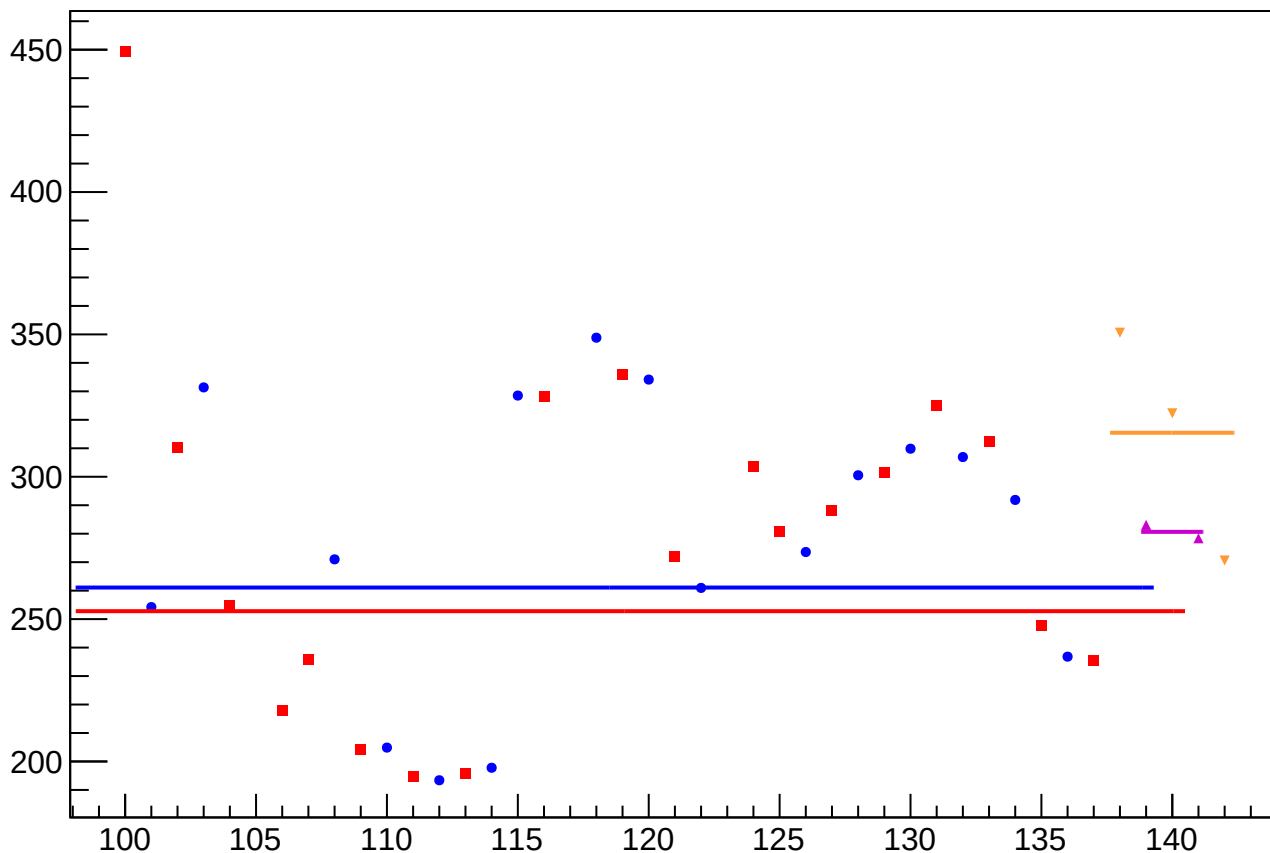
Left In: -101.581+/-214.611 χ^2/NDF : 0.1/1

+ sign 89.080+/-90.697 χ^2/NDF : 16.4/18

All: -69.978+/-62.753 χ^2/NDF : 37.7/39

- sign -216.055+/-86.917 χ^2/NDF : 15.4/20

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF : 462662.2/15

Left Out: 315.459+/-0.158 χ^2/NDF : 40182.8/2

Right Out: 252.787+/-0.067 χ^2/NDF : 537290.6/18

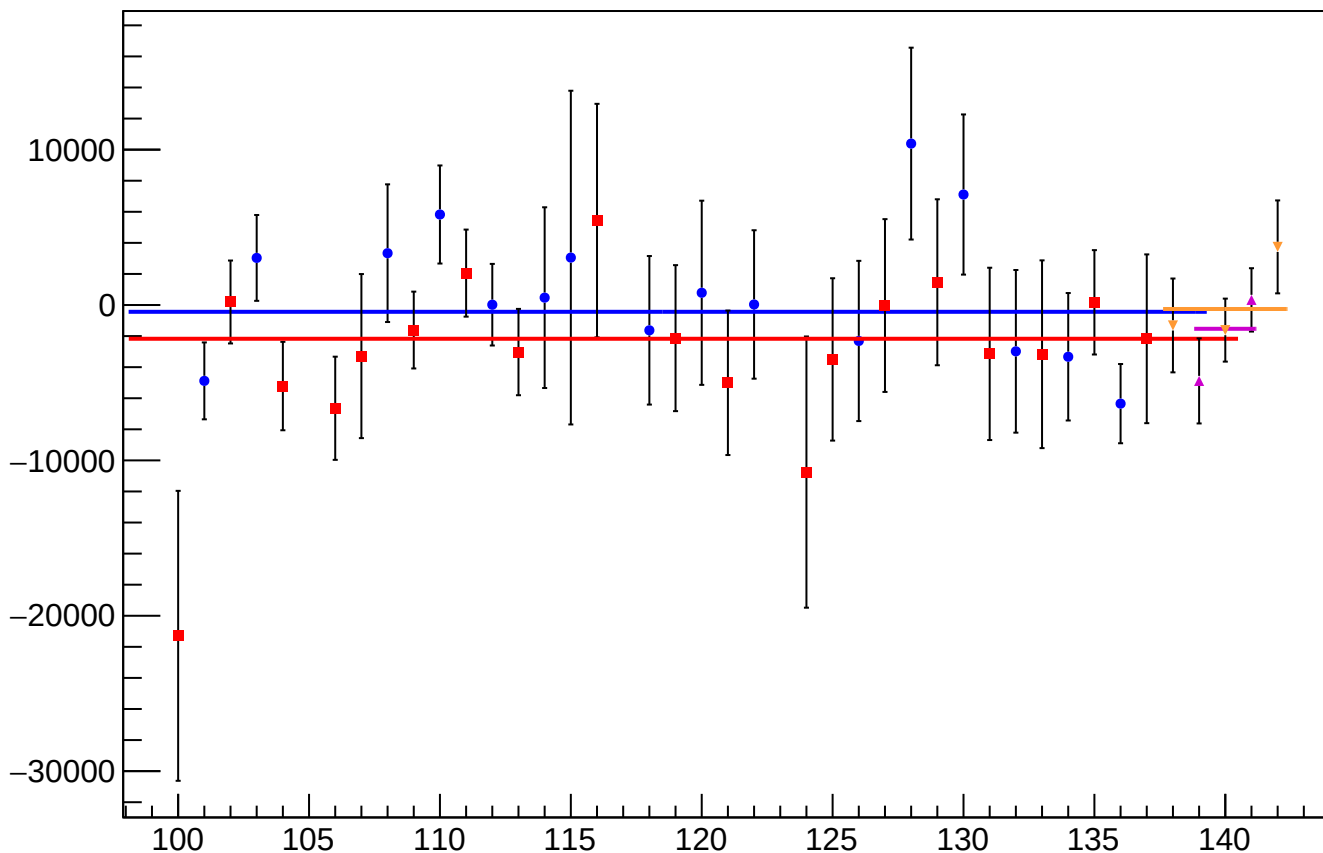
Left In: 280.649+/-0.152 χ^2/NDF : 240.1/1

+ sign 270.037+/-0.064 χ^2/NDF : 601669.4/18

All: 263.428+/-0.044 χ^2/NDF : 1187758.4/39

- sign 257.357+/-0.061 χ^2/NDF : 565710.4/20

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732 ± 955.134 χ^2/NDF : 21.2/15

Left Out: -255.913 ± 1466.800 χ^2/NDF : 2.4/2

Right Out: -2172.091 ± 901.102 χ^2/NDF : 14.0/18

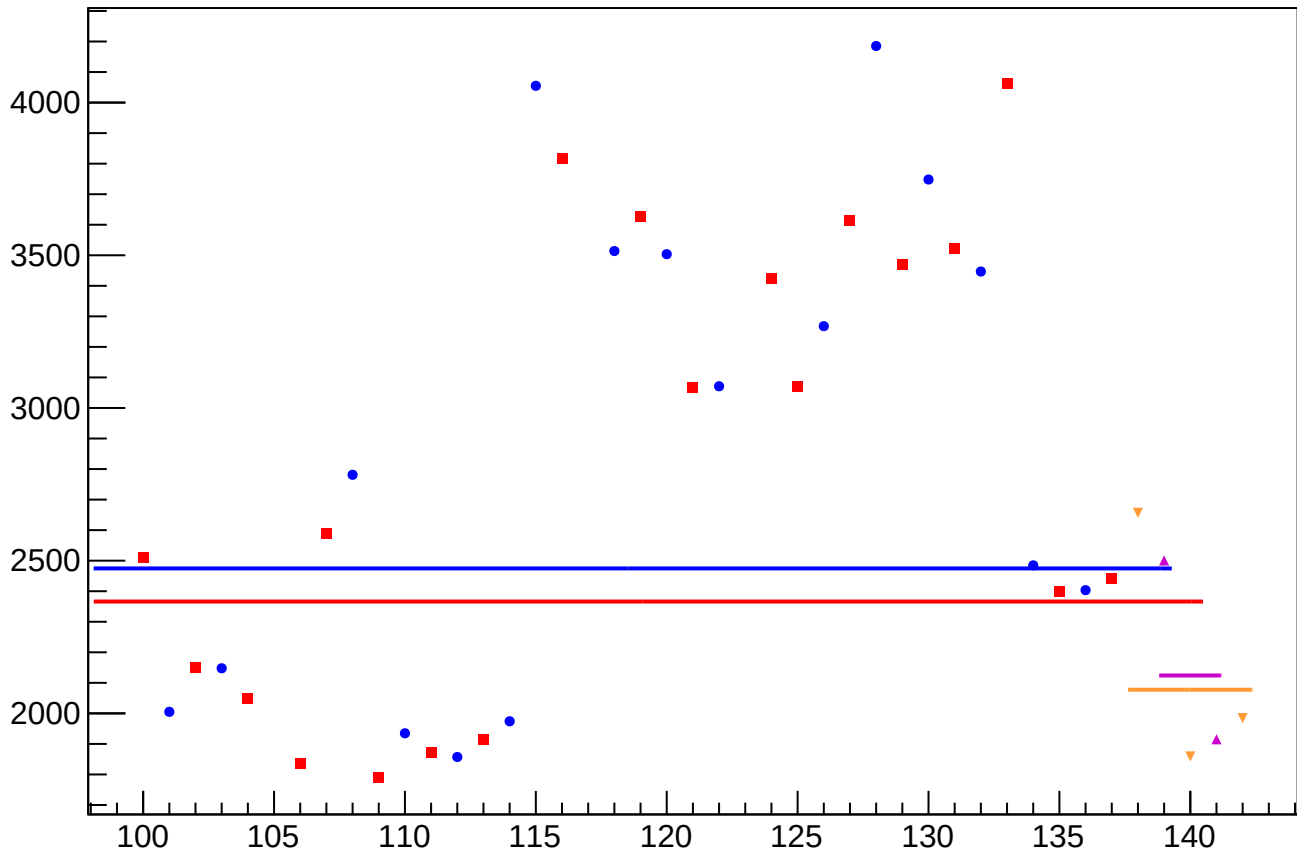
Left In: -1530.235 ± 1634.774 χ^2/NDF : 2.3/1

+ sign -382.891 ± 800.398 χ^2/NDF : 23.6/18

All: -1214.300 ± 561.950 χ^2/NDF : 42.1/39

- sign -2022.519 ± 789.157 χ^2/NDF : 16.4/20

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622 $\pm$ 0.675 χ^2 /NDF: 916250.9/15

Left Out: 2077.380 $\pm$ 1.037 χ^2 /NDF:98753.0/2

+ sign 2356.338 $\pm$ 0.566 χ^2 /NDF: 1118014.6/18

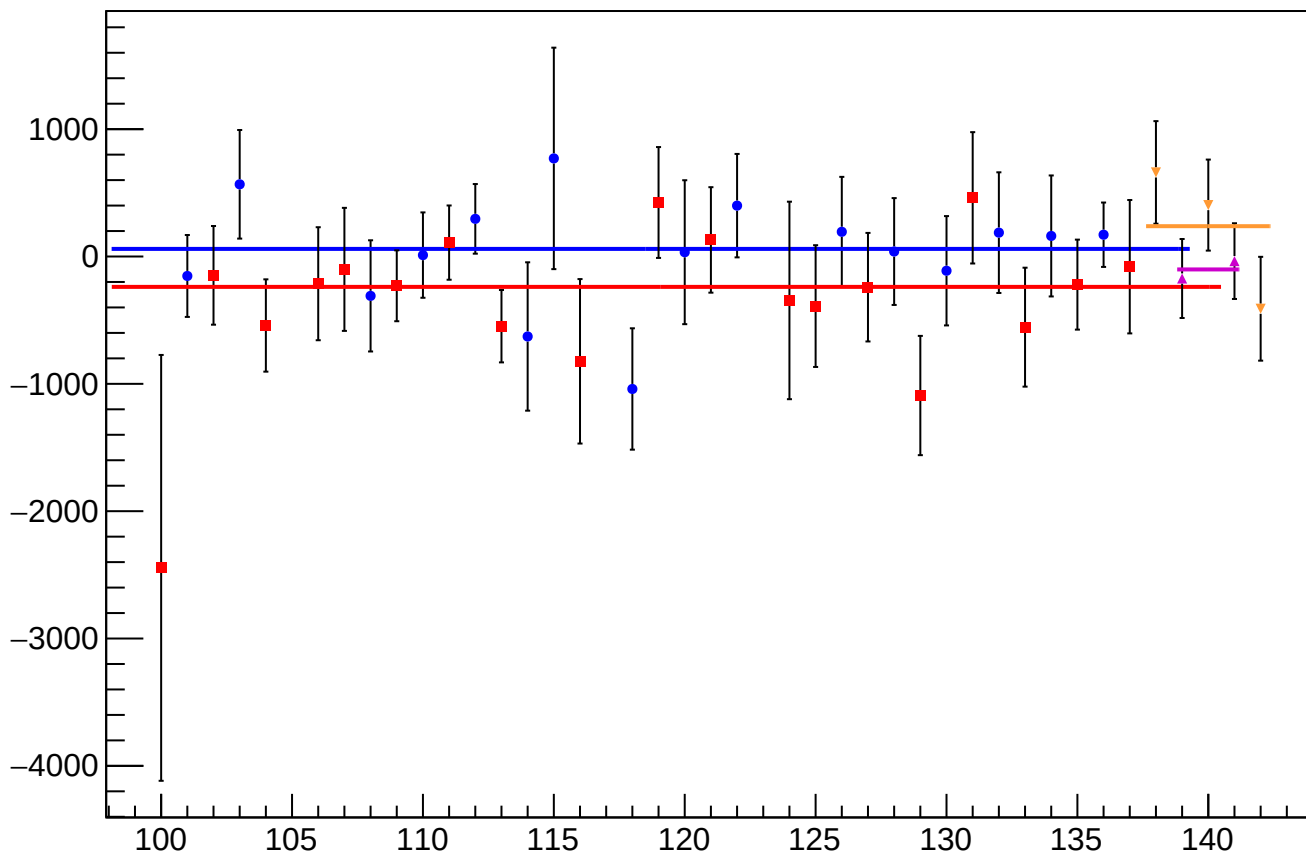
Right Out: 2366.221 $\pm$ 0.637 χ^2 /NDF: 1077175.3/18

All: 2332.737 $\pm$ 0.397 χ^2 /NDF: 2291149.1/39

Left In: 2124.080 $\pm$ 1.156 χ^2 /NDF:58876.3/1

- sign 2309.795 $\pm$ 0.558 χ^2 /NDF: 1169705.3/20

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734 ± 99.230 χ^2/NDF : 12.0/15

Left Out: 238.070 ± 223.562 χ^2/NDF : 3.8/2

Right Out: -238.515 ± 95.062 χ^2/NDF : 14.9/18

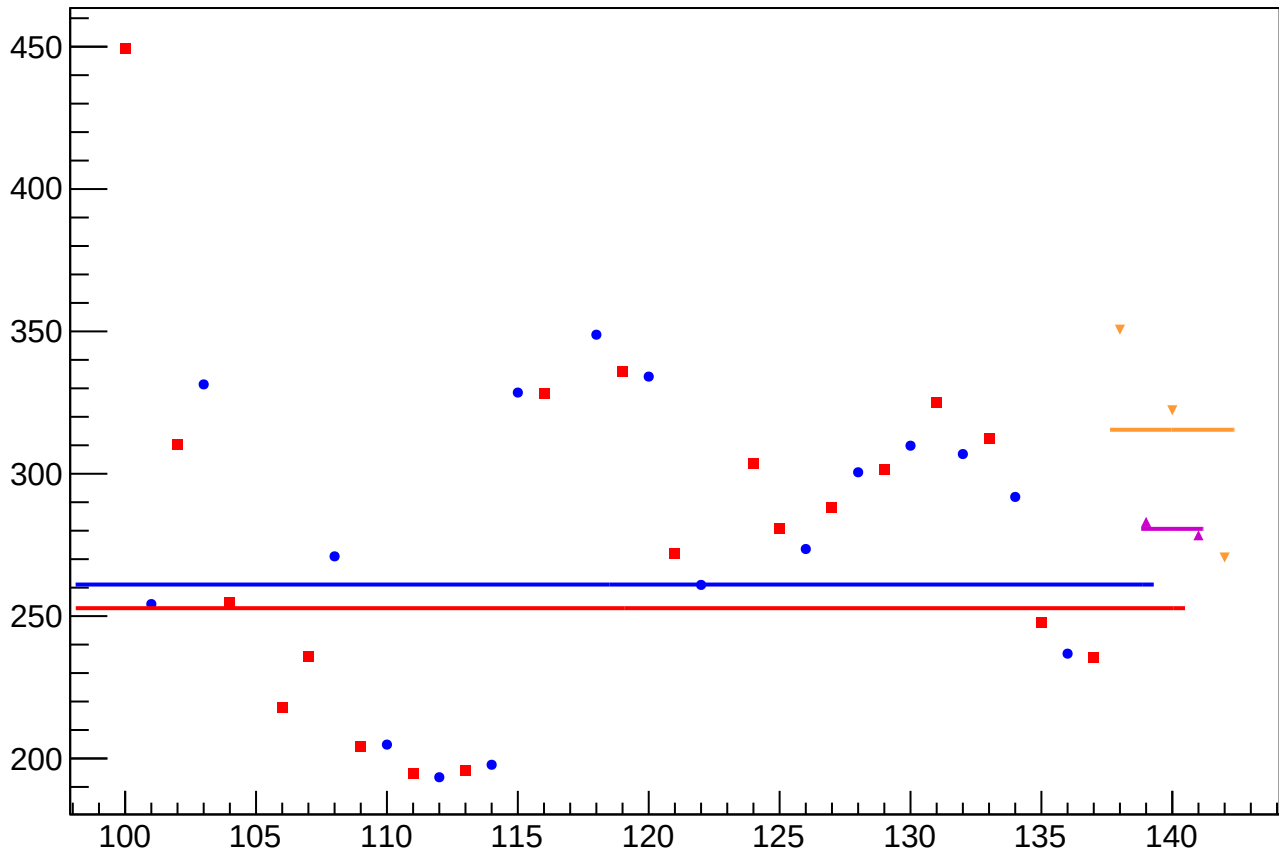
Left In: -101.578 ± 214.611 χ^2/NDF : 0.1/1

+ sign 89.085 ± 90.697 χ^2/NDF : 16.4/18

All: -69.975 ± 62.753 χ^2/NDF : 37.7/39

- sign -216.054 ± 86.917 χ^2/NDF : 15.4/20

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089 $\pm$ 0.070 χ^2 /NDF: 462665.3/15

Left Out: 315.460 $\pm$ 0.158 χ^2 /NDF: 40181.2/2

Right Out: 252.787 $\pm$ 0.067 χ^2 /NDF: 537293.8/18

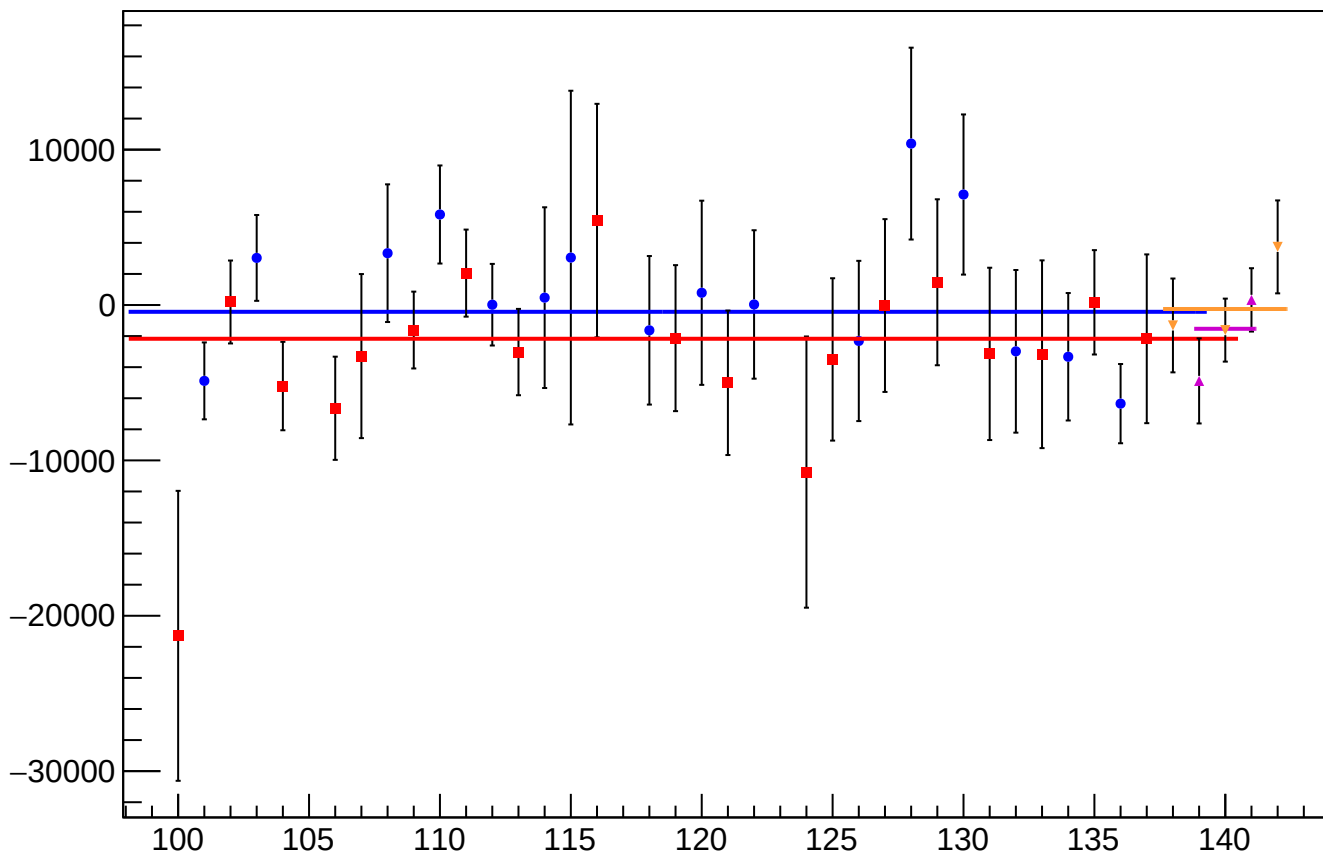
Left In: 280.649 $\pm$ 0.152 χ^2 /NDF: 240.0/1

+ sign 270.037 $\pm$ 0.064 χ^2 /NDF: 601671.5/18

All: 263.428 $\pm$ 0.044 χ^2 /NDF: 1187763.8/39

- sign 257.357 $\pm$ 0.061 χ^2 /NDF: 565713.3/20

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731 ± 955.133 χ^2/NDF : 21.2/15

Left Out: -255.918 ± 1466.798 χ^2/NDF : 2.4/2

Right Out: -2172.089 ± 901.101 χ^2/NDF : 14.0/18

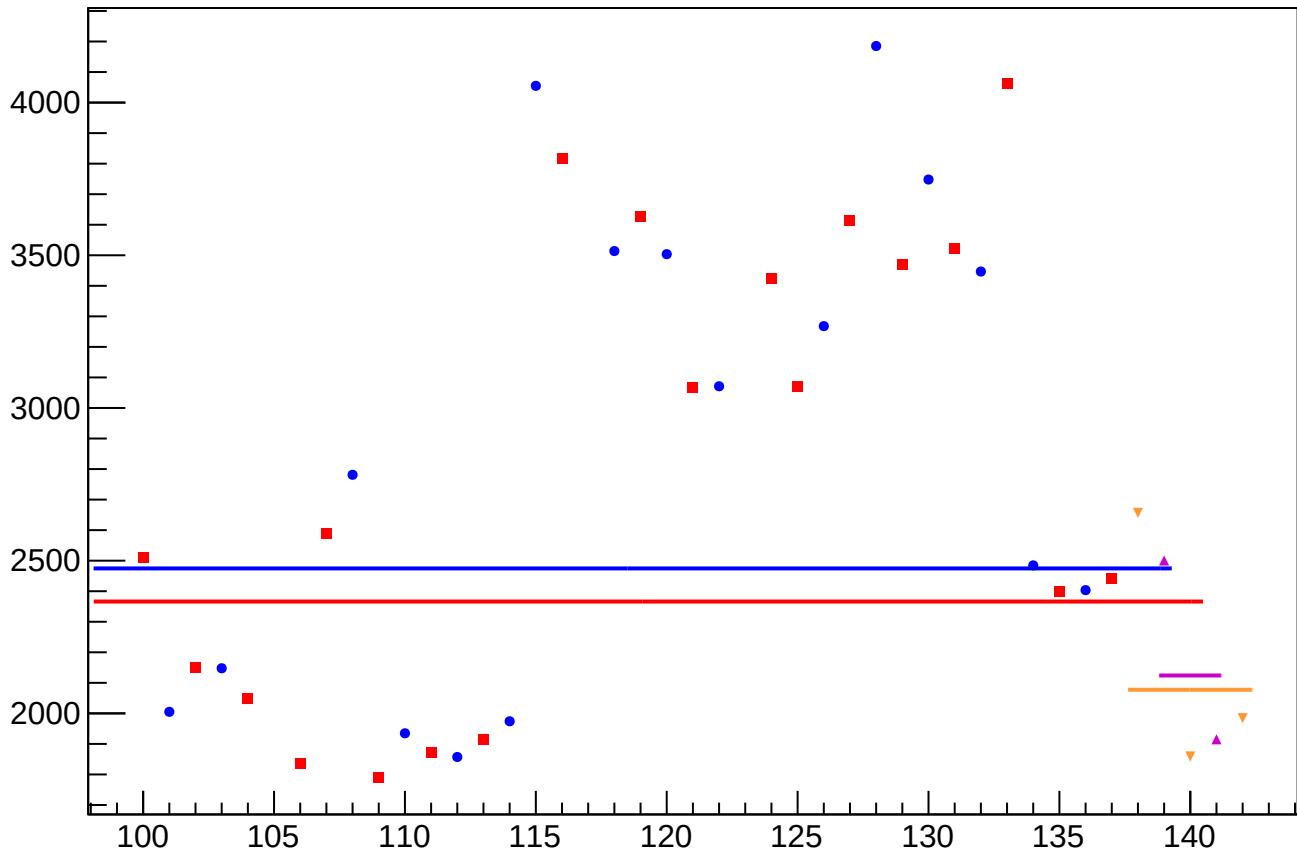
Left In: -1530.234 ± 1634.771 χ^2/NDF : 2.3/1

+ sign -382.892 ± 800.397 χ^2/NDF : 23.6/18

All: -1214.300 ± 561.950 χ^2/NDF : 42.1/39

- sign -2022.518 ± 789.156 χ^2/NDF : 16.4/20

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF : 916254.1/15

Left Out: 2077.377+/-1.037 χ^2/NDF : 98752.6/2

+ sign 2356.336+/-0.566 χ^2/NDF : 1118018.5/18

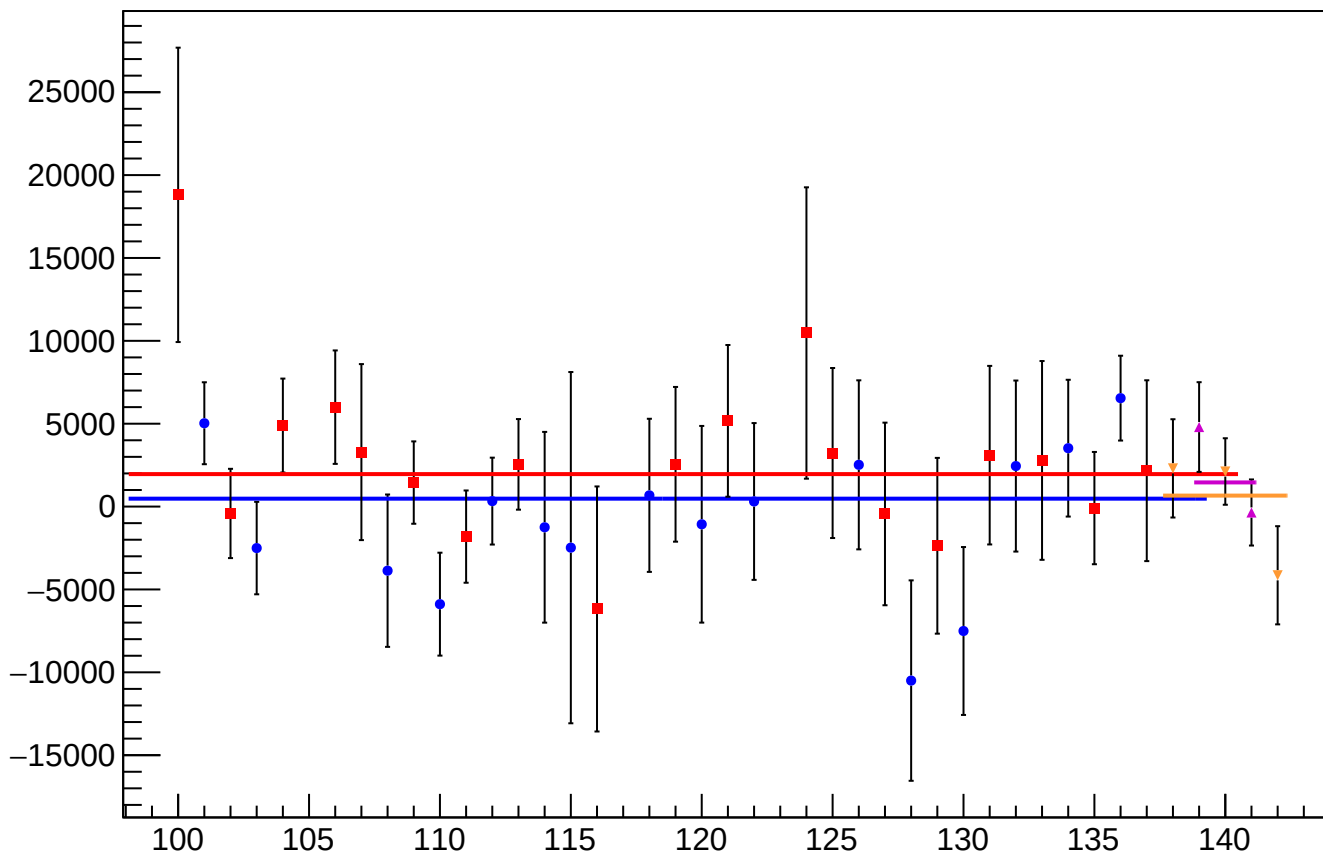
Right Out: 2366.219+/-0.637 χ^2/NDF : 1077177.7/18

All: 2332.735+/-0.397 χ^2/NDF : 2291156.8/39

- sign 2309.793+/-0.558 χ^2/NDF : 1169709.1/20

Left In: 2124.076+/-1.156 χ^2/NDF : 58877.0/1

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF : 22.1/15

Left Out: 662.264+/-1449.109 χ^2/NDF : 3.5/2

Right Out: 1959.491+/-899.702 χ^2/NDF : 12.8/18

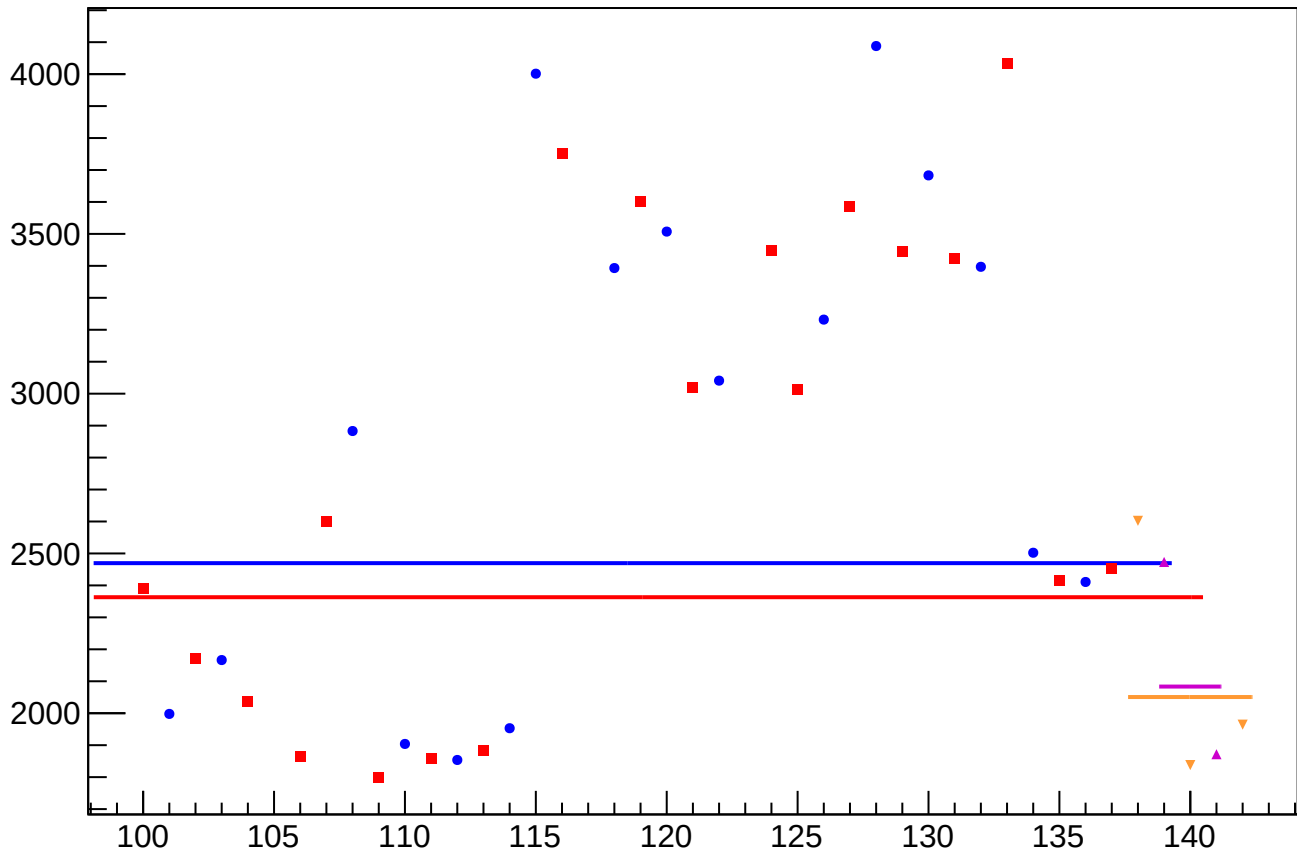
Left In: 1457.373+/-1604.971 χ^2/NDF : 2.4/1

+ sign 533.113+/-796.099 χ^2/NDF : 25.6/18

All: 1195.605+/-558.891 χ^2/NDF : 42.2/39

- sign 1839.432+/-784.804 χ^2/NDF : 15.3/20

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF : 886179.0/15

Left Out: 2050.658+/-1.025 χ^2/NDF : 93416.8/2

Right Out: 2363.052+/-0.636 χ^2/NDF : 1043344.3/18

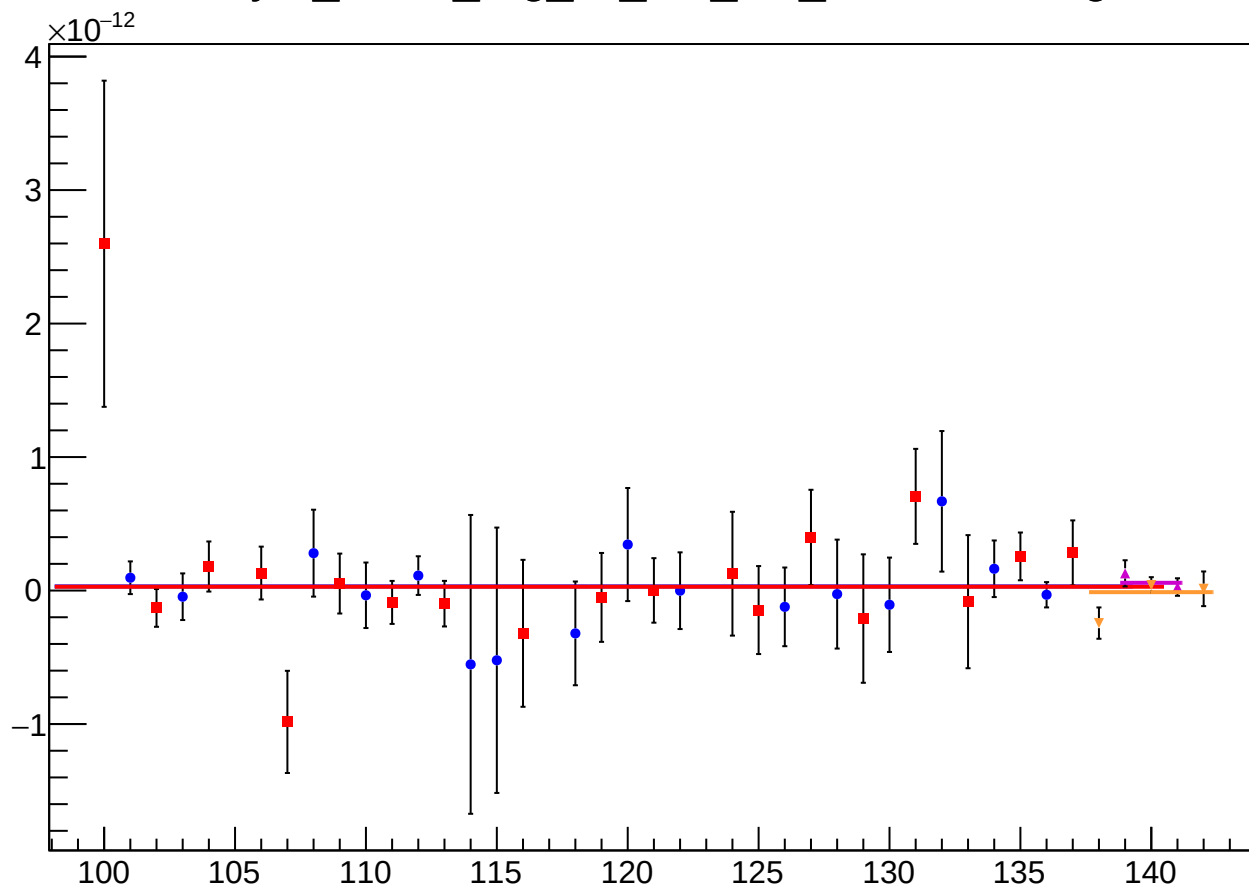
Left In: 2083.423+/-1.135 χ^2/NDF : 64087.5/1

+ sign 2343.187+/-0.563 χ^2/NDF : 1096328.2/18

All: 2319.353+/-0.395 χ^2/NDF : 2253488.6/39

- sign 2296.192+/-0.555 χ^2/NDF : 1153625.9/20

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:4.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/18

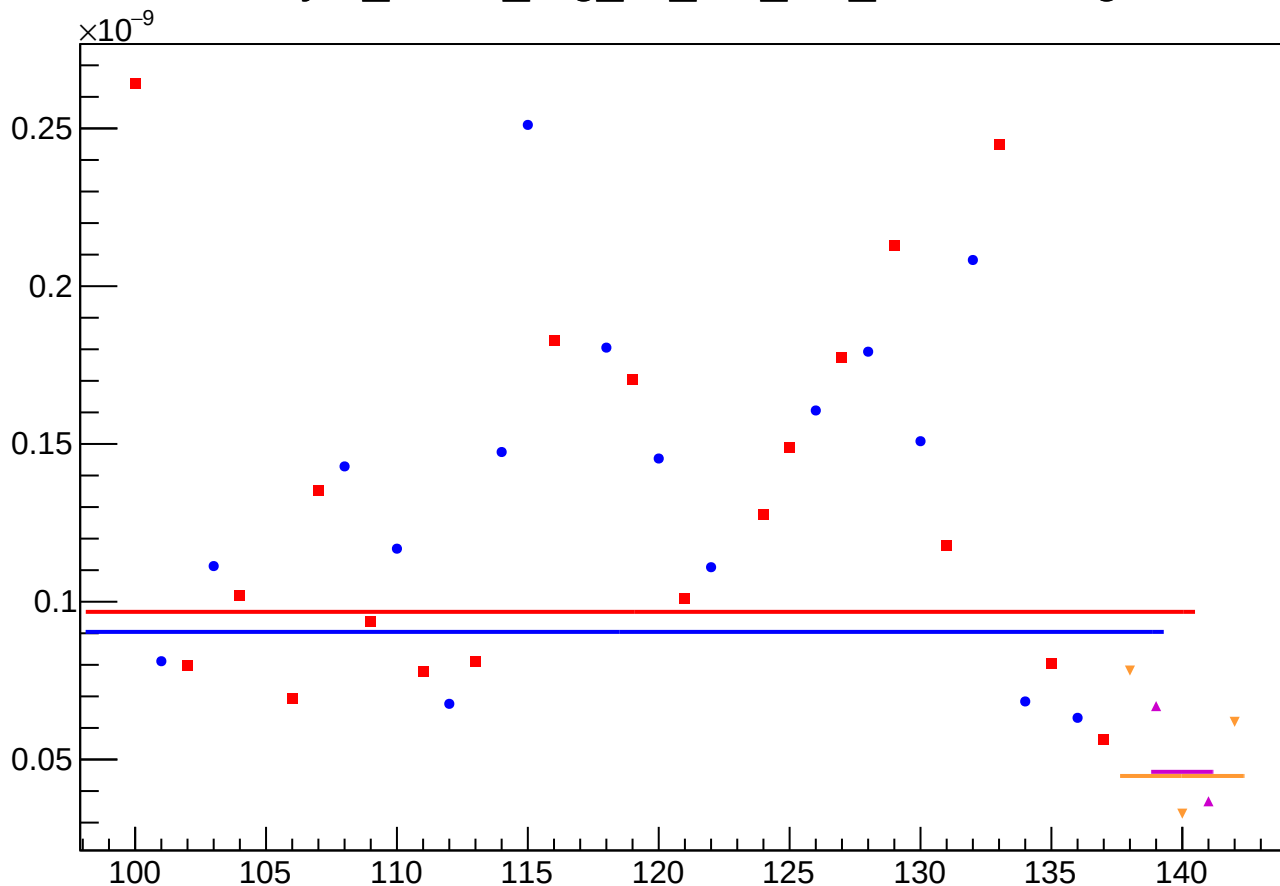
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11.3/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 35.8/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.1/20

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 : 279354.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 851500.3/18

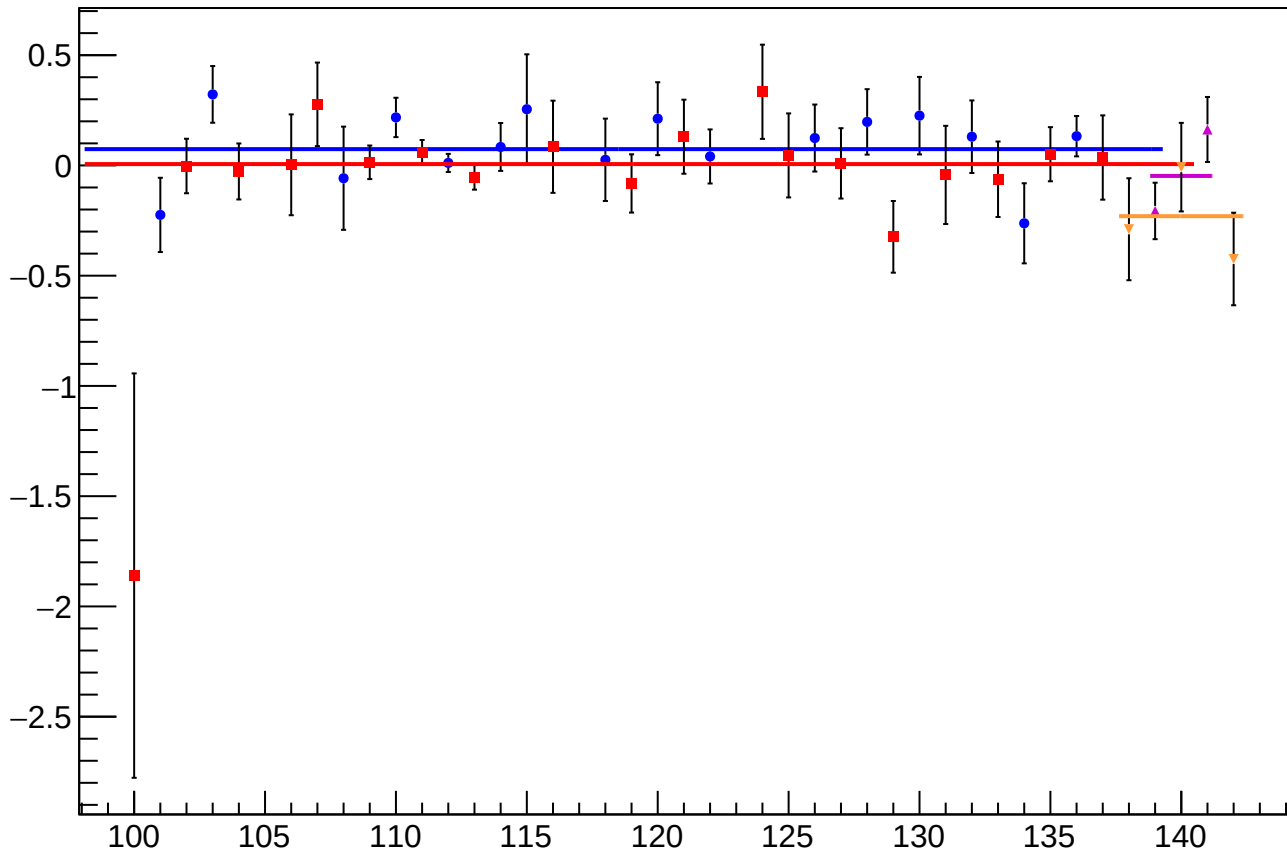
Left In: 0.000+/-0.000 χ^2/NDF : 130617.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 2016884.1/18

All: 0.000+/-0.000 χ^2/NDF : 3858201.5/39

- sign 0.000+/-0.000 χ^2/NDF : 1824159.5/20

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074 ± 0.027 $\chi^2/\text{NDF}: 19.0/15$

Left Out: -0.230 ± 0.123 $\chi^2/\text{NDF}: 2.1/2$

Right Out: 0.006 ± 0.027 $\chi^2/\text{NDF}: 16.4/18$

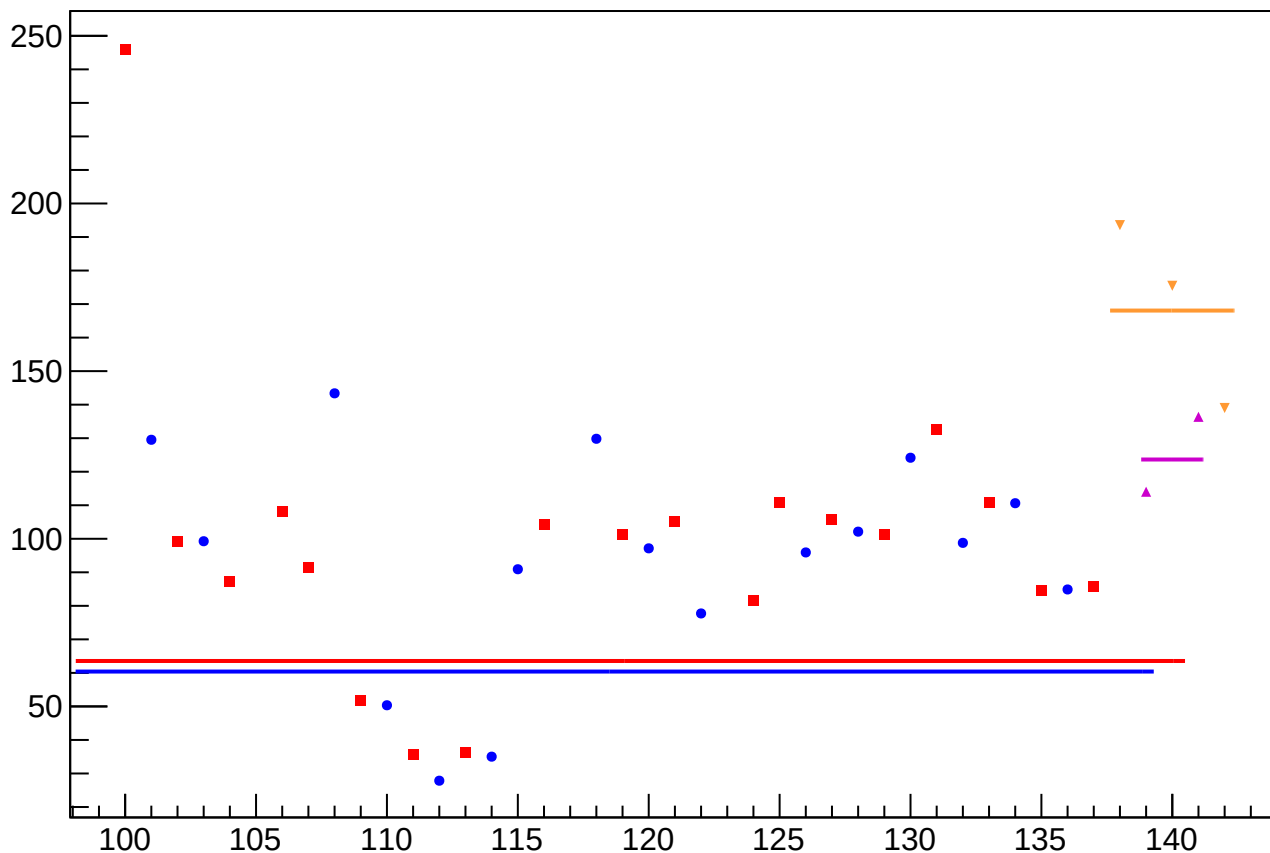
Left In: -0.048 ± 0.097 $\chi^2/\text{NDF}: 3.6/1$

+ sign 0.060 ± 0.026 $\chi^2/\text{NDF}: 27.0/18$

All: 0.030 ± 0.018 $\chi^2/\text{NDF}: 49.7/39$

- sign 0.002 ± 0.026 $\chi^2/\text{NDF}: 20.3/20$

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF : 3538126.0/15

Left Out: 168.066+/-0.087 χ^2/NDF : 65333.4/2

Right Out: 63.553+/-0.019 χ^2/NDF : 2654516.9/18

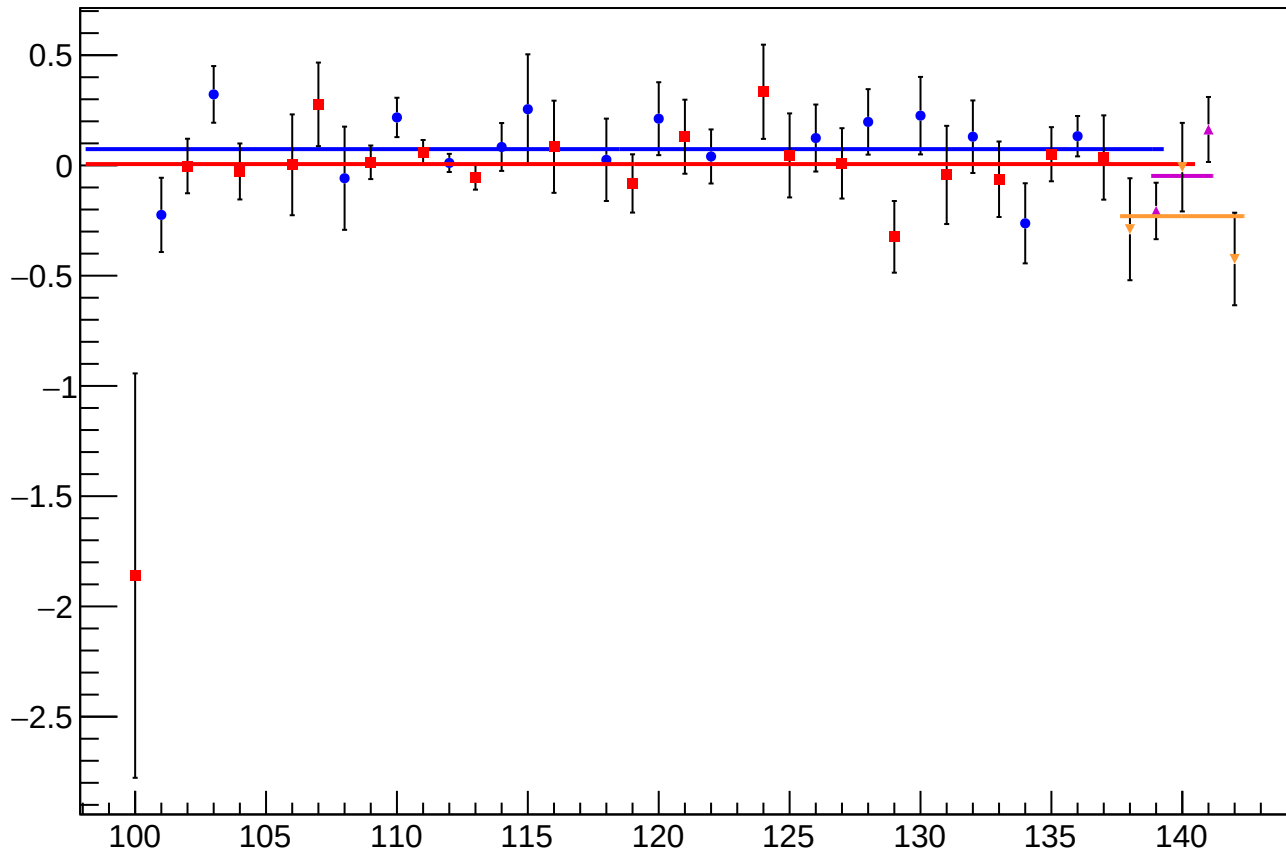
Left In: 123.642+/-0.068 χ^2/NDF : 26197.1/1

+ sign 65.363+/-0.019 χ^2/NDF : 5067725.5/18

All: 66.633+/-0.013 χ^2/NDF : 8475253.0/39

- sign 67.852+/-0.018 χ^2/NDF : 3398445.1/20

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074 $\pm$ 0.027 χ^2 /NDF: 19.0/15

Left Out: -0.230 $\pm$ 0.123 χ^2 /NDF: 2.1/2

Right Out: 0.006 $\pm$ 0.027 χ^2 /NDF: 16.4/18

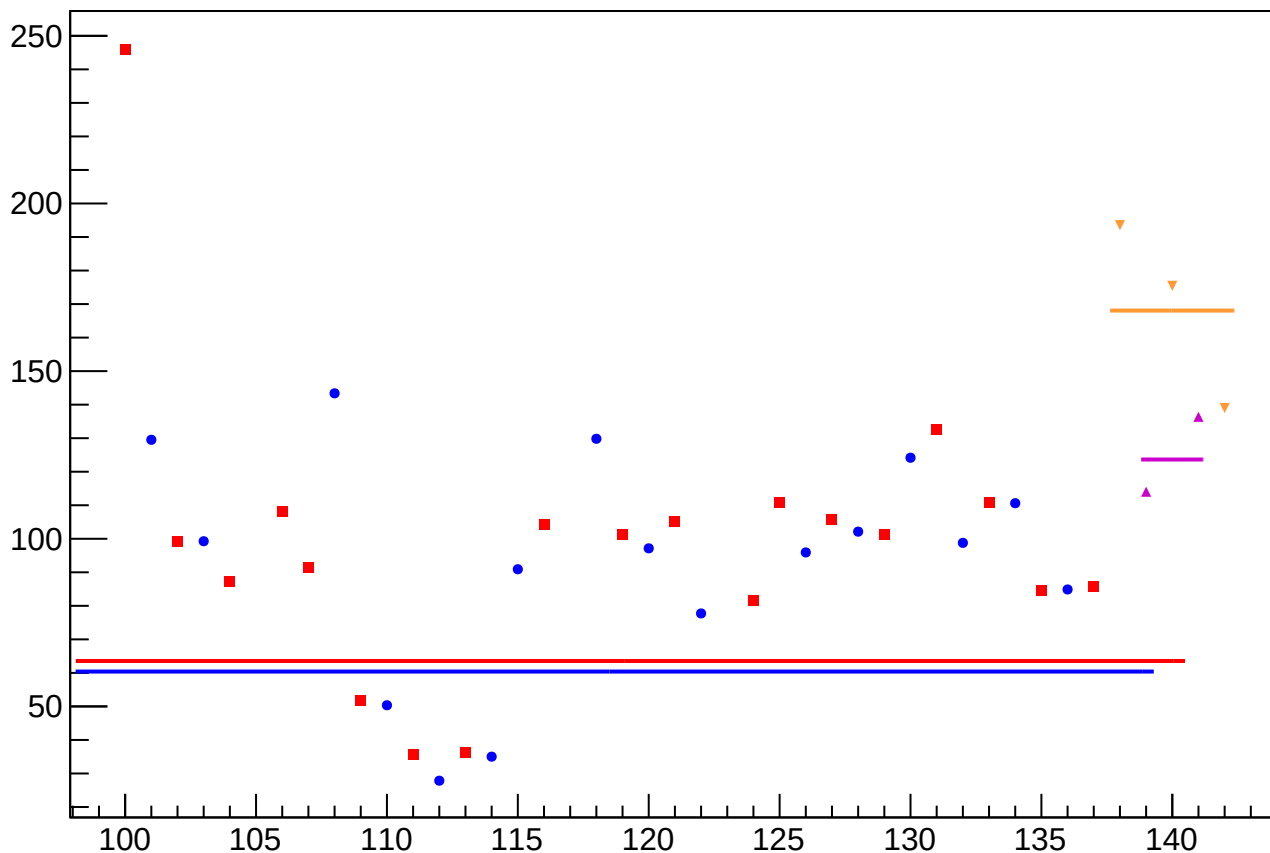
Left In: -0.048 $\pm$ 0.097 χ^2 /NDF: 3.6/1

+ sign 0.060 $\pm$ 0.026 χ^2 /NDF: 27.0/18

All: 0.030 $\pm$ 0.018 χ^2 /NDF: 49.7/39

- sign 0.002 $\pm$ 0.026 χ^2 /NDF: 20.3/20

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401 $\pm$ 0.019 χ^2/NDF : 3538126.0/15

Left Out: 168.066 $\pm$ 0.087 χ^2/NDF : 65333.4/2

Right Out: 63.553 $\pm$ 0.019 χ^2/NDF : 2654516.9/18

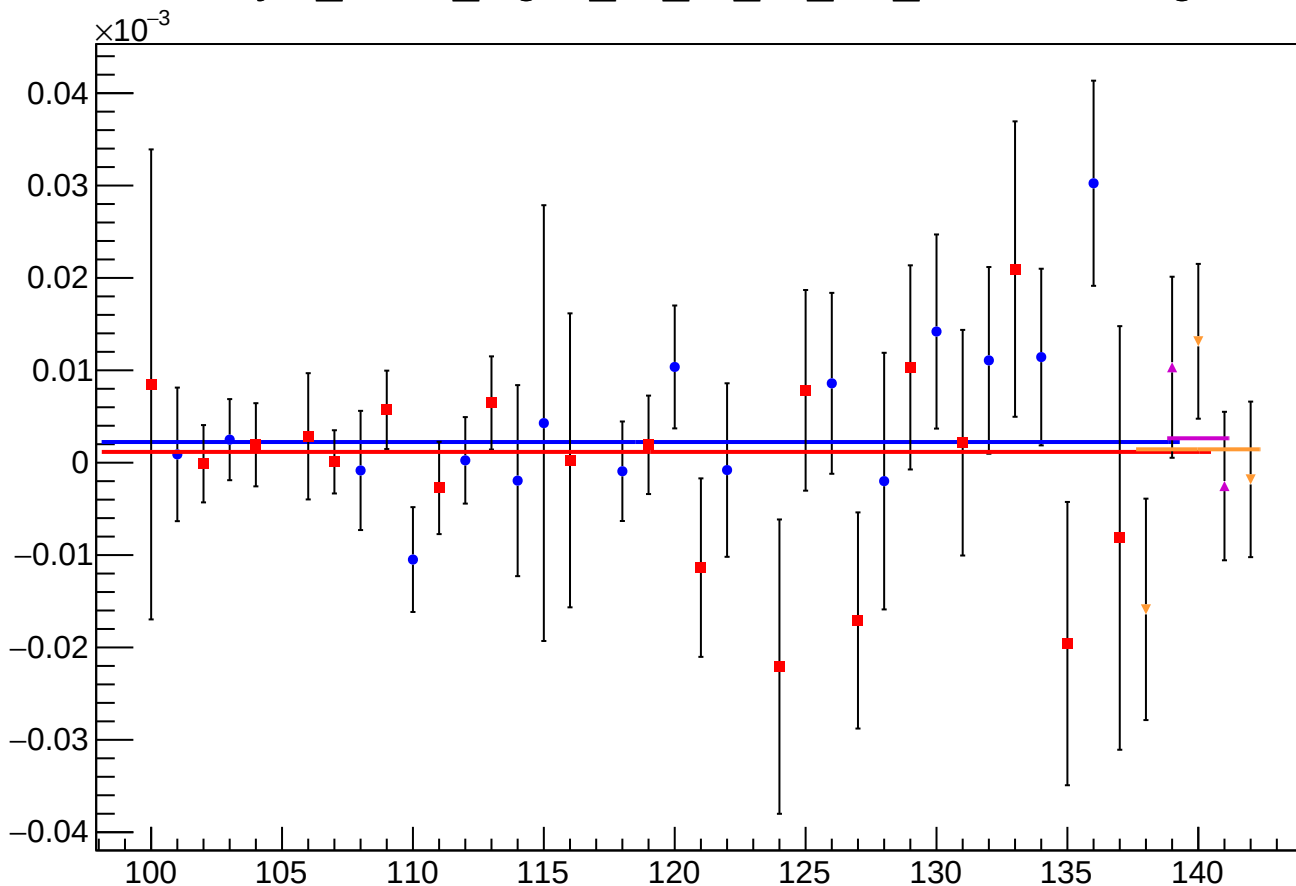
Left In: 123.642 $\pm$ 0.068 χ^2/NDF : 26197.1/1

+ sign 65.363 $\pm$ 0.019 χ^2/NDF : 5067725.5/18

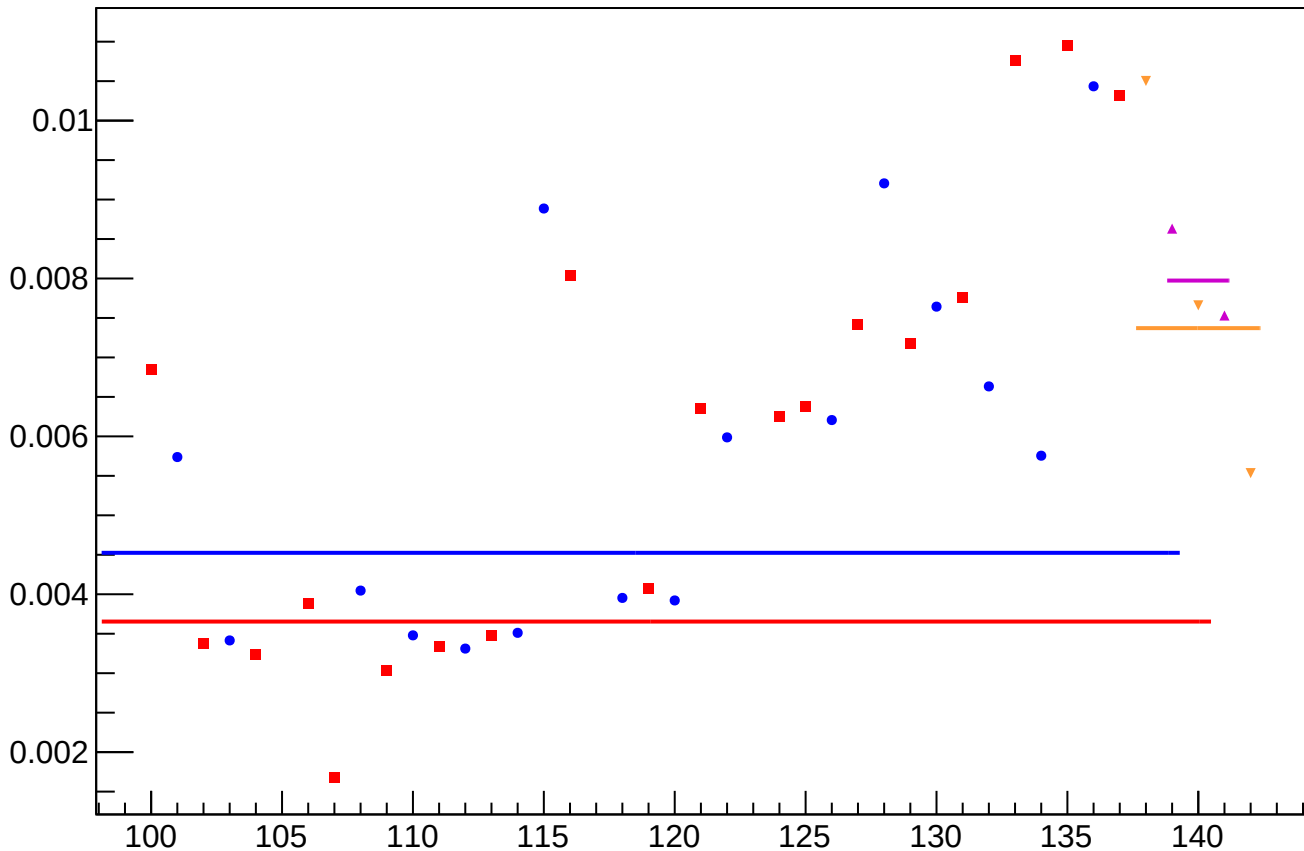
All: 66.633 $\pm$ 0.013 χ^2/NDF : 8475253.0/39

- sign 67.852 $\pm$ 0.018 χ^2/NDF : 3398445.1/20

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



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: 0.007 $\pm$ 0.000 χ^2/NDF : 234116.6/2

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 2933246.9/18

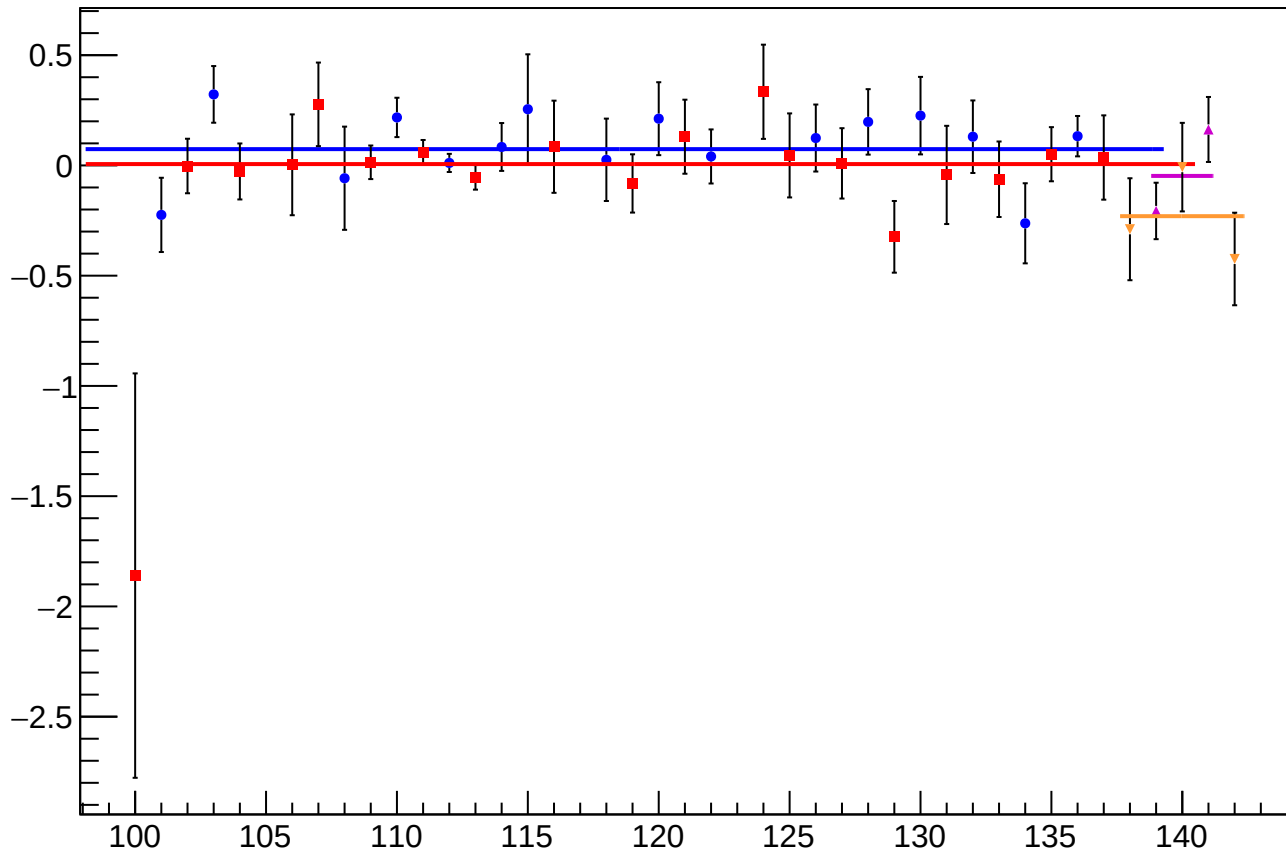
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 15089.3/1

+ sign 0.005 $\pm$ 0.000 χ^2/NDF : 2468220.9/18

All: 0.004 $\pm$ 0.000 χ^2/NDF : 6670067.0/39

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 3861568.0/20

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.074 $\pm$ 0.027 χ^2 /NDF: 19.0/15

Left Out: -0.230 $\pm$ 0.123 χ^2 /NDF: 2.1/2

Right Out: 0.006 $\pm$ 0.027 χ^2 /NDF: 16.4/18

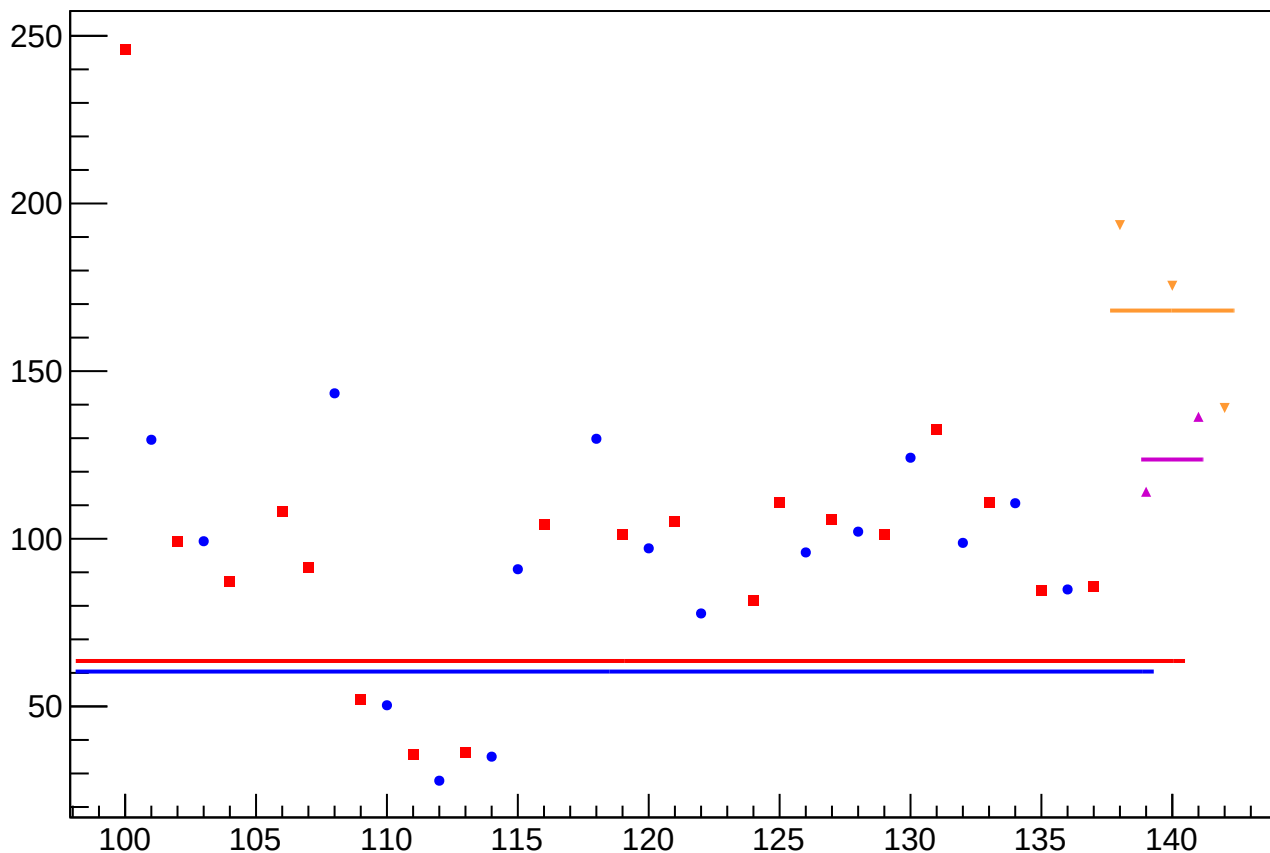
Left In: -0.048 $\pm$ 0.097 χ^2 /NDF: 3.6/1

+ sign 0.060 $\pm$ 0.026 χ^2 /NDF: 27.0/18

All: 0.030 $\pm$ 0.018 χ^2 /NDF: 49.7/39

- sign 0.002 $\pm$ 0.026 χ^2 /NDF: 20.3/20

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF : 3538382.9/15

Left Out: 168.066+/-0.087 χ^2/NDF : 65325.8/2

Right Out: 63.551+/-0.019 χ^2/NDF : 2654786.8/18

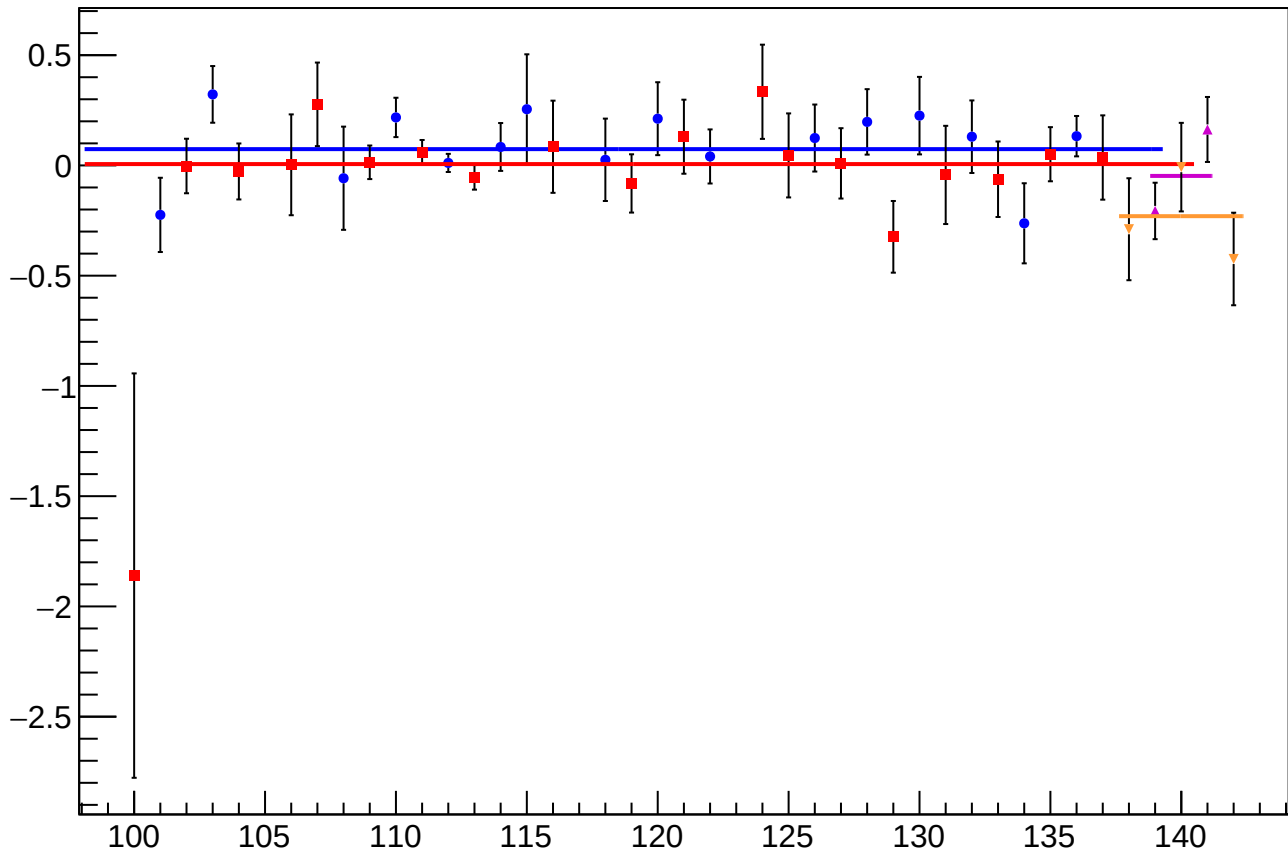
Left In: 123.641+/-0.068 χ^2/NDF : 26203.6/1

+ sign 65.361+/-0.019 χ^2/NDF : 5068044.7/18

All: 66.631+/-0.013 χ^2/NDF : 8475889.2/39

- sign 67.850+/-0.018 χ^2/NDF : 3398759.0/20

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: -0.230 ± 0.123 $\chi^2/\text{NDF}: 2.1/2$

Right Out: 0.006 ± 0.027 $\chi^2/\text{NDF}: 16.4/18$

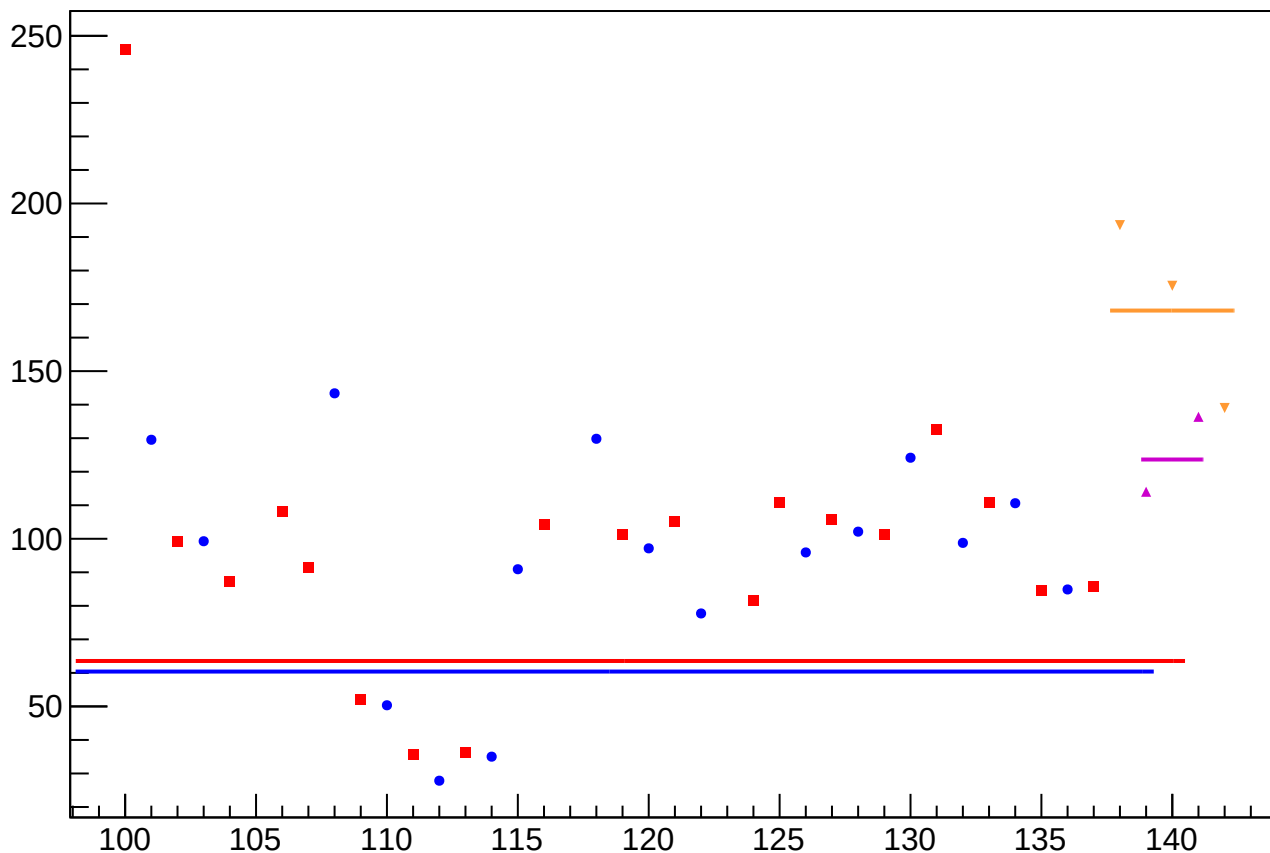
Left In: -0.048 ± 0.097 $\chi^2/\text{NDF}: 3.6/1$

+ sign 0.060 ± 0.026 $\chi^2/\text{NDF}: 27.0/18$

All: 0.030 ± 0.018 $\chi^2/\text{NDF}: 49.7/39$

- sign 0.002 ± 0.026 $\chi^2/\text{NDF}: 20.3/20$

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: 168.066+/-0.087 χ^2/NDF : 65325.8/2

Right Out: 63.551+/-0.019 χ^2/NDF : 2654786.8/18

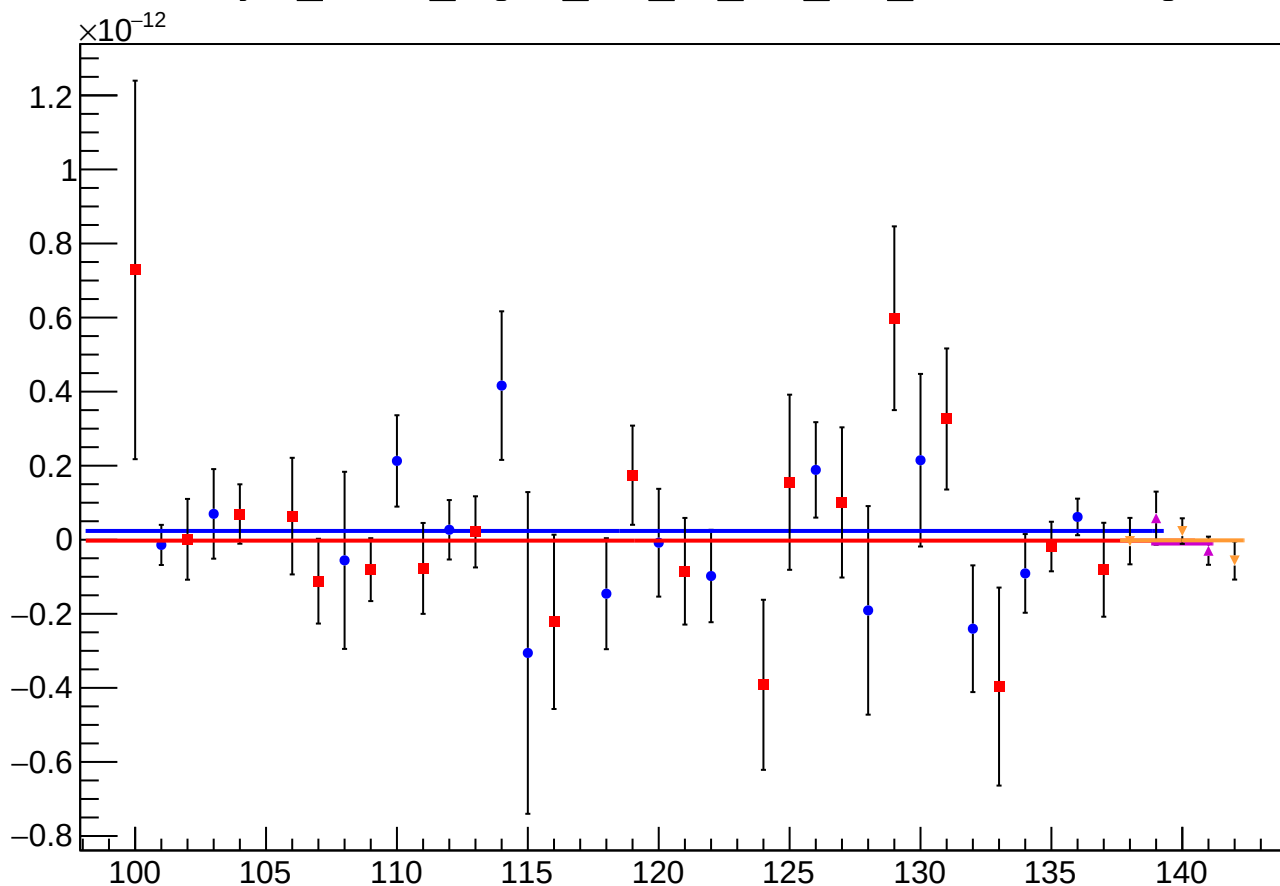
Left In: 123.641+/-0.068 χ^2/NDF : 26203.6/1

+ sign 65.361+/-0.019 χ^2/NDF : 5068044.7/18

All: 66.631+/-0.013 χ^2/NDF : 8475889.2/39

- sign 67.850+/-0.018 χ^2/NDF : 3398759.0/20

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 : 1.6/2

Right Out: -0.000+/-0.000 χ^2/NDF : 23.2/18

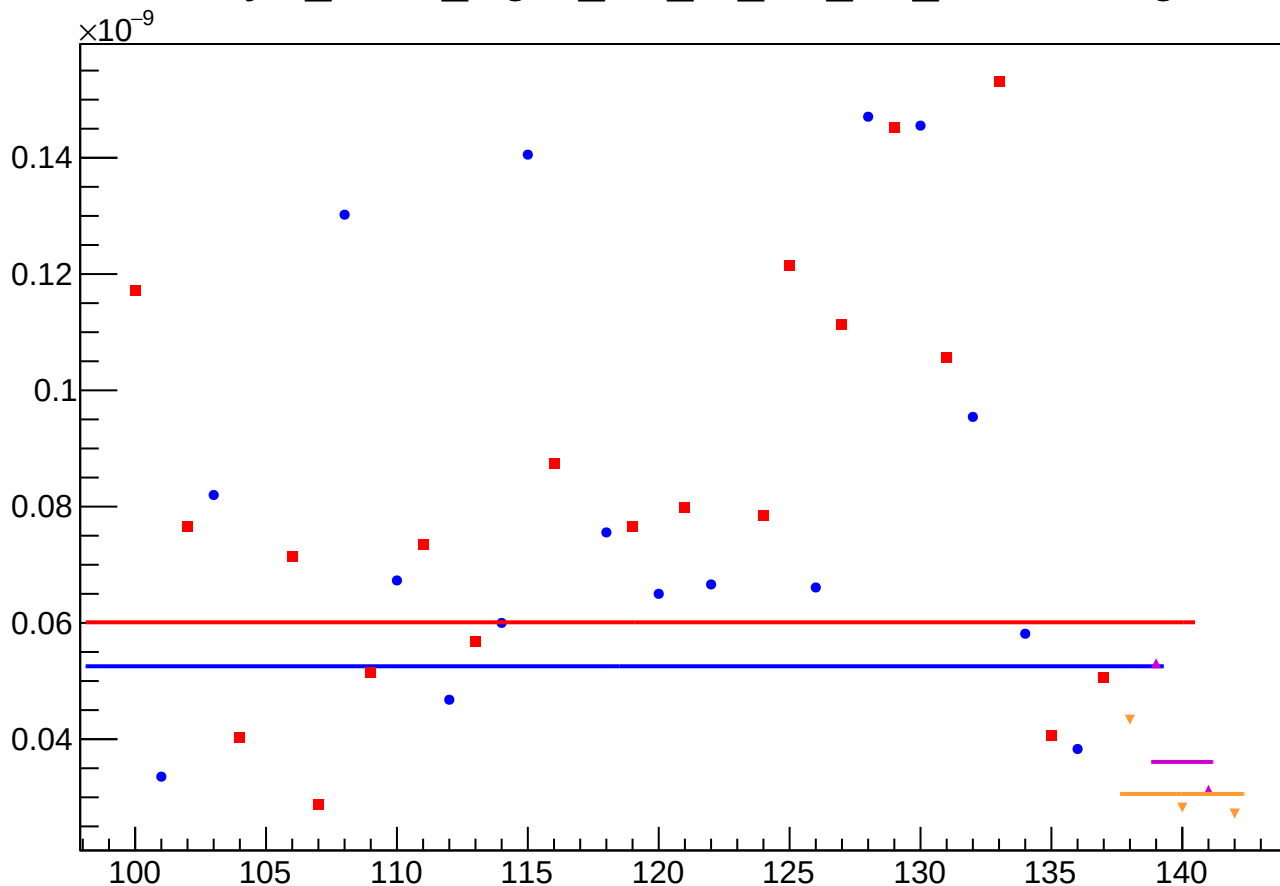
Left In: -0.000+/-0.000 χ^2/NDF : 1.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 18.9/18

All: 0.000+/-0.000 χ^2/NDF : 43.6/39

- sign -0.000+/-0.000 χ^2/NDF : 24.4/20

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 : 100828.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1539049.5/18

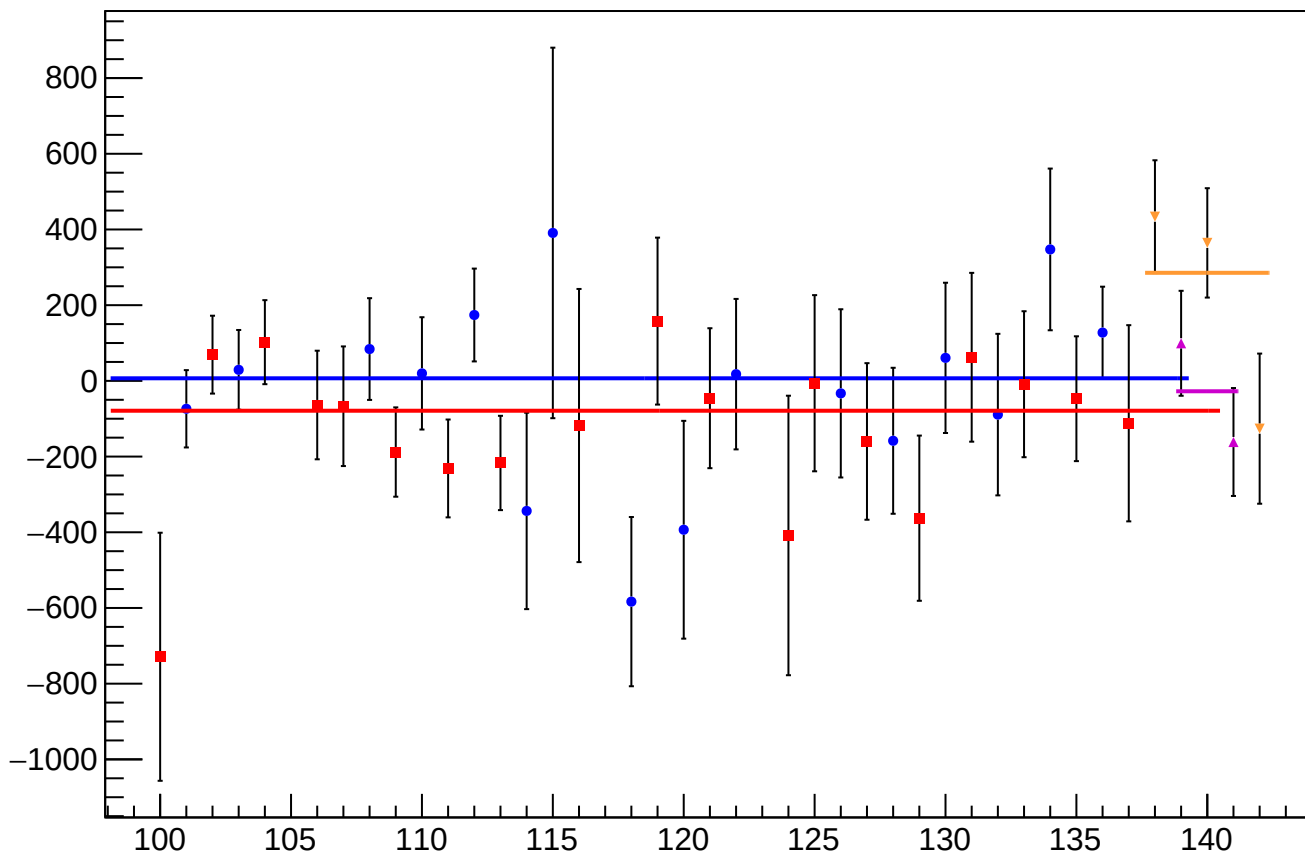
Left In: 0.000+/-0.000 χ^2/NDF : 144136.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2455504.1/18

All: 0.000+/-0.000 χ^2/NDF : 4897736.5/39

- sign 0.000+/-0.000 χ^2/NDF : 2270788.2/20

reg_asym_sam5_mean vs Slug



Right In: 6.811 ± 40.353 χ^2/NDF : 18.8/15

Left Out: 285.511 ± 91.916 χ^2/NDF : 5.6/2

Right Out: -78.883 ± 37.906 χ^2/NDF : 16.7/18

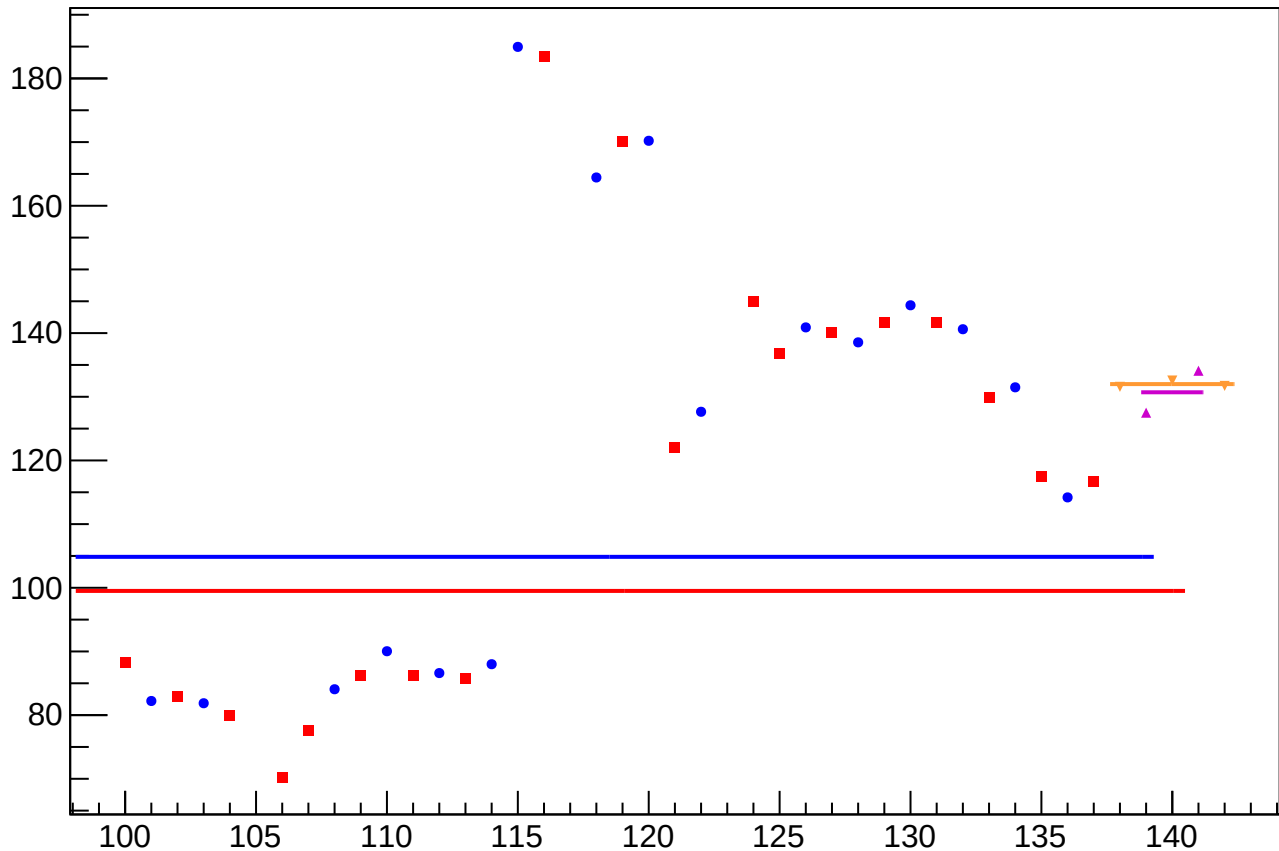
Left In: -27.474 ± 99.392 χ^2/NDF : 1.7/1

+ sign 51.847 ± 36.949 χ^2/NDF : 32.1/18

All: -12.882 ± 25.568 χ^2/NDF : 56.6/39

- sign -72.355 ± 35.418 χ^2/NDF : 18.6/20

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF : 931228.4/15

Left Out: 131.992+/-0.065 χ^2/NDF :51.0/2

Right Out: 99.508+/-0.027 χ^2/NDF : 1039037.0/18

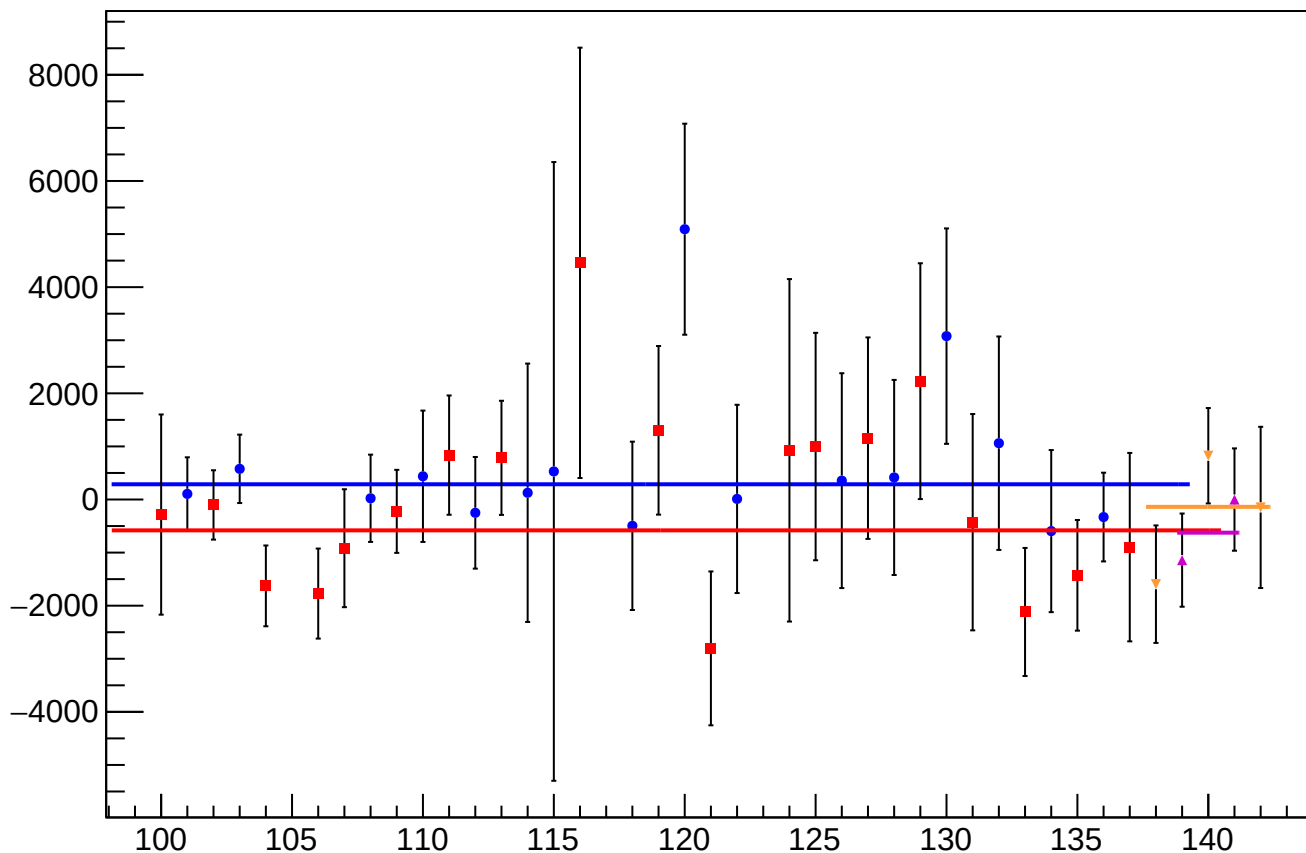
Left In: 130.704+/-0.070 χ^2/NDF :2193.9/1

+ sign 109.244+/-0.026 χ^2/NDF : 1077387.3/18

All: 106.234+/-0.018 χ^2/NDF : 2316094.4/39

- sign 103.469+/-0.025 χ^2/NDF : 1213244.1/20

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915 $\pm$ 293.474 χ^2 /NDF: 9.7/15

Left Out: -138.445 $\pm$ 633.789 χ^2 /NDF: 2.9/2

Right Out: -581.217 $\pm$ 269.775 χ^2 /NDF: 18.8/18

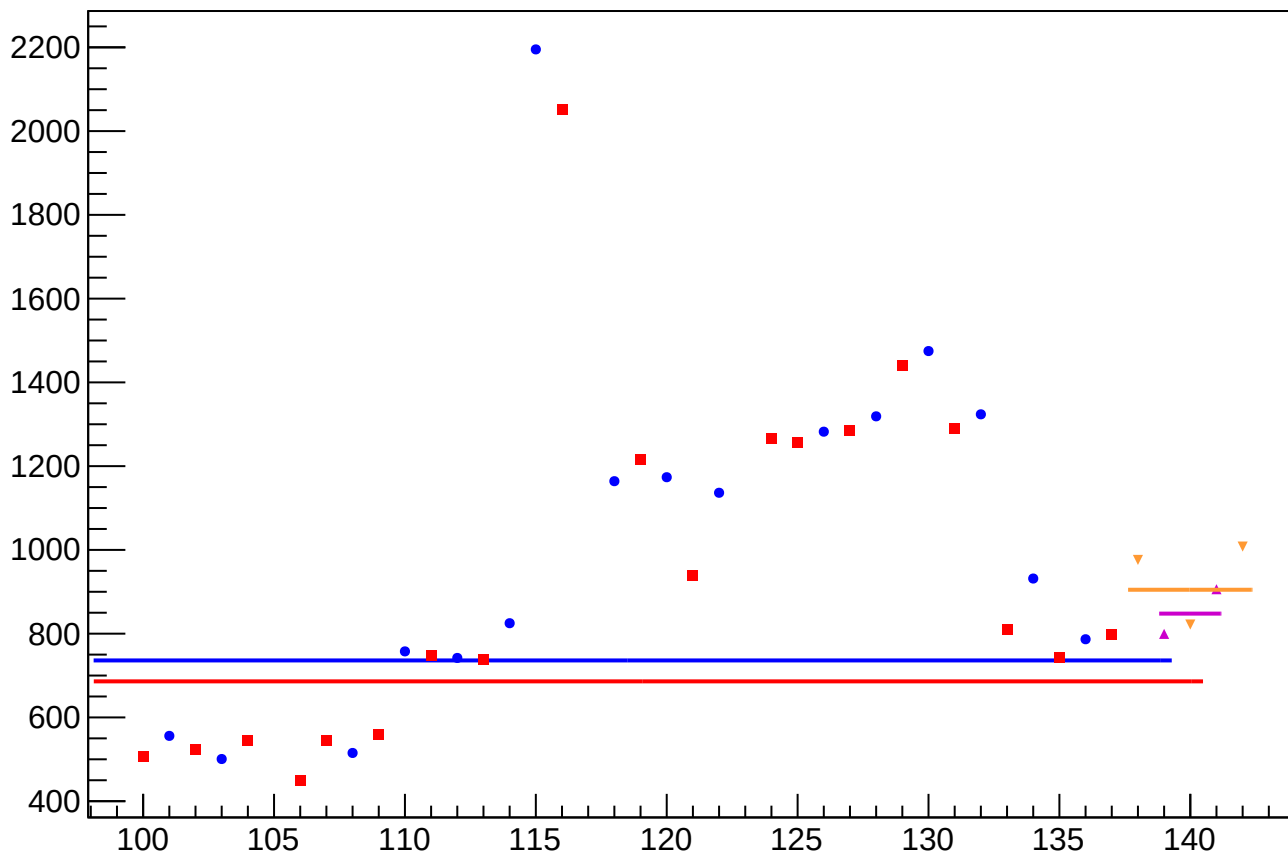
Left In: -624.614 $\pm$ 648.930 χ^2 /NDF: 0.8/1

+ sign 211.815 $\pm$ 266.309 χ^2 /NDF: 12.9/18

All: -214.551 $\pm$ 181.923 χ^2 /NDF: 37.3/39

- sign -587.612 $\pm$ 249.106 χ^2 /NDF: 19.5/20

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF : 1844496.2/15

Left Out: 904.846+/-0.448 χ^2/NDF : 34575.7/2

Right Out: 686.108+/-0.191 χ^2/NDF : 1819176.0/18

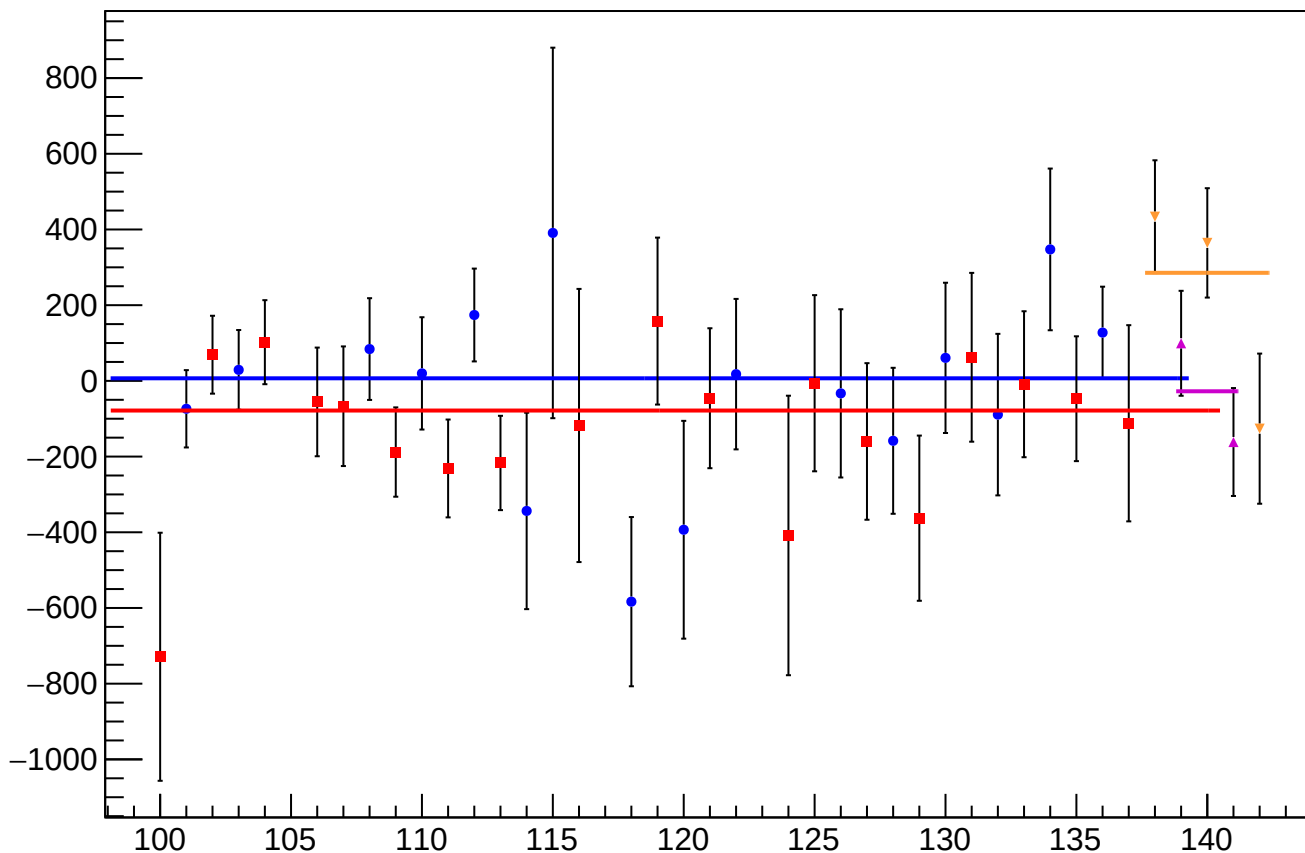
Left In: 847.872+/-0.459 χ^2/NDF : 13382.1/1

+ sign 765.880+/-0.188 χ^2/NDF : 1995840.4/18

All: 736.048+/-0.129 χ^2/NDF : 3981419.9/39

- sign 709.945+/-0.176 χ^2/NDF : 1938522.8/20

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF : 18.8/15

Left Out: 285.507+/-91.916 χ^2/NDF : 5.6/2

Right Out: -78.347+/-37.909 χ^2/NDF : 16.7/18

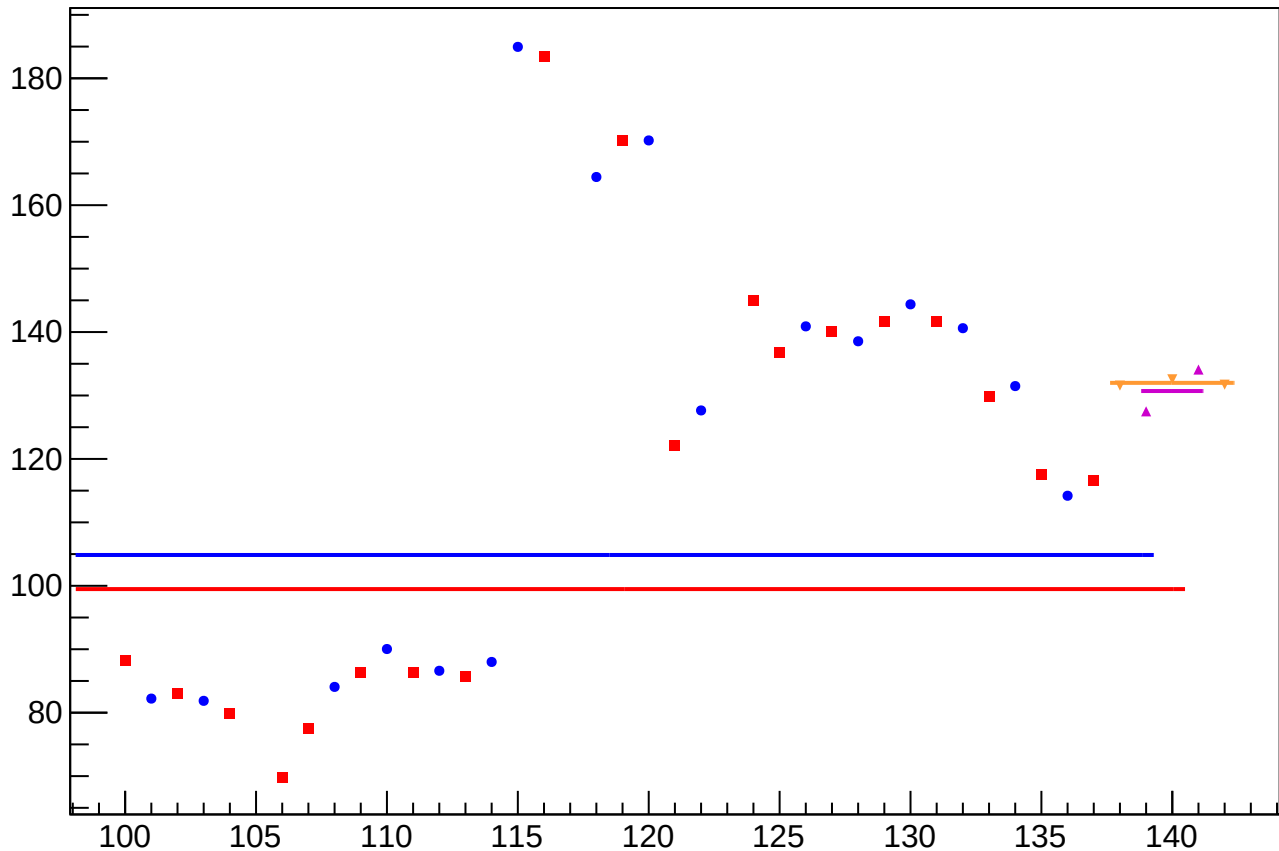
Left In: -27.484+/-99.392 χ^2/NDF : 1.7/1

+ sign 51.836+/-36.949 χ^2/NDF : 32.1/18

All: -12.639+/-25.569 χ^2/NDF : 56.6/39

- sign -71.888+/-35.420 χ^2/NDF : 18.6/20

cor_asym_sam5_rms vs Slug



Right In: 104.860 $\pm$ 0.029 χ^2 /NDF: 931227.7/15

Left Out: 131.992 $\pm$ 0.065 χ^2 /NDF:51.0/2

Right Out: 99.484 $\pm$ 0.027 χ^2 /NDF: 1041224.0/18

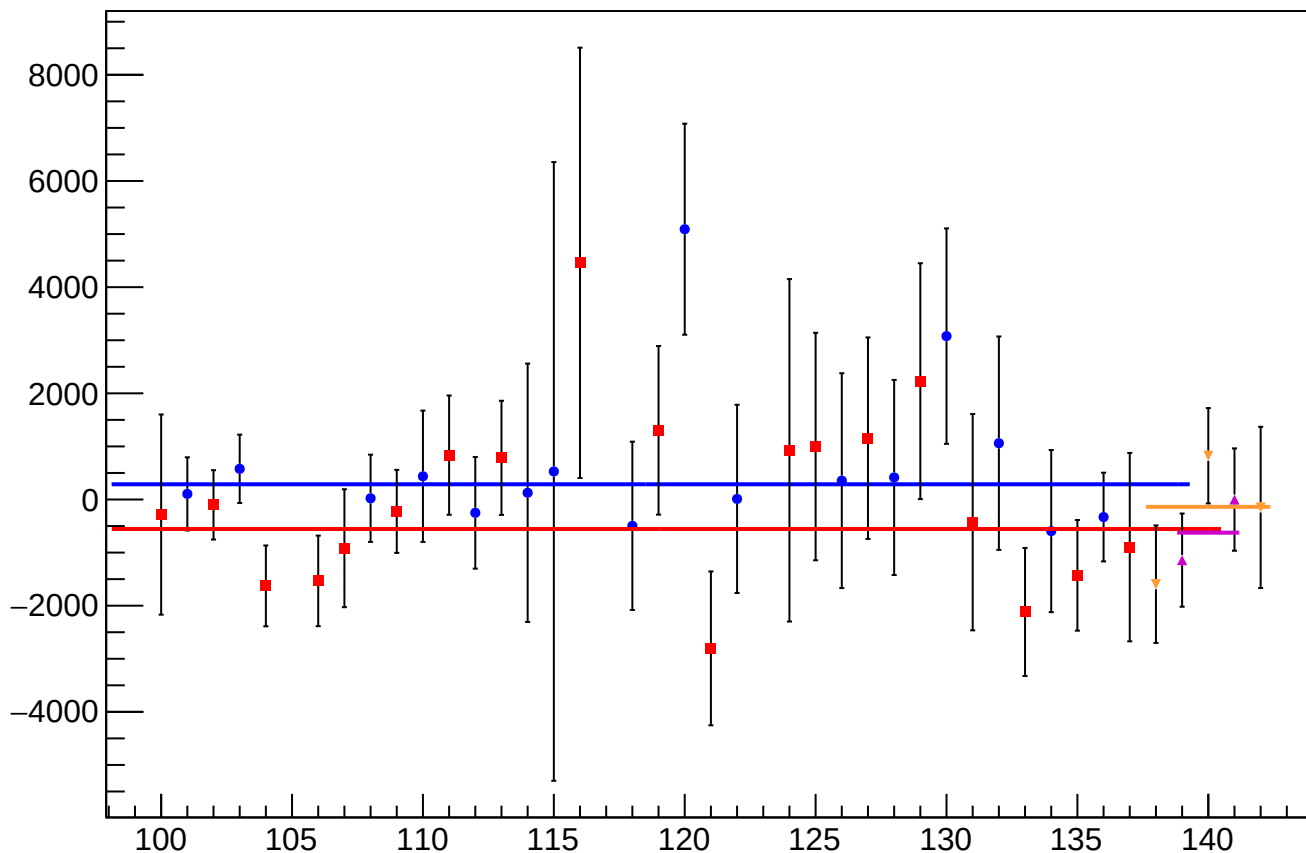
Left In: 130.704 $\pm$ 0.070 χ^2 /NDF:2193.9/1

+ sign 109.244 $\pm$ 0.026 χ^2 /NDF: 1077386.4/18

All: 106.224 $\pm$ 0.018 χ^2 /NDF: 2318719.3/39

- sign 103.449 $\pm$ 0.025 χ^2 /NDF: 1215691.4/20

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918 $\pm$ 293.473 χ^2 /NDF: 9.7/15

Left Out: -138.442 $\pm$ 633.789 χ^2 /NDF: 2.9/2

Right Out: -555.436 $\pm$ 269.953 χ^2 /NDF: 18.0/18

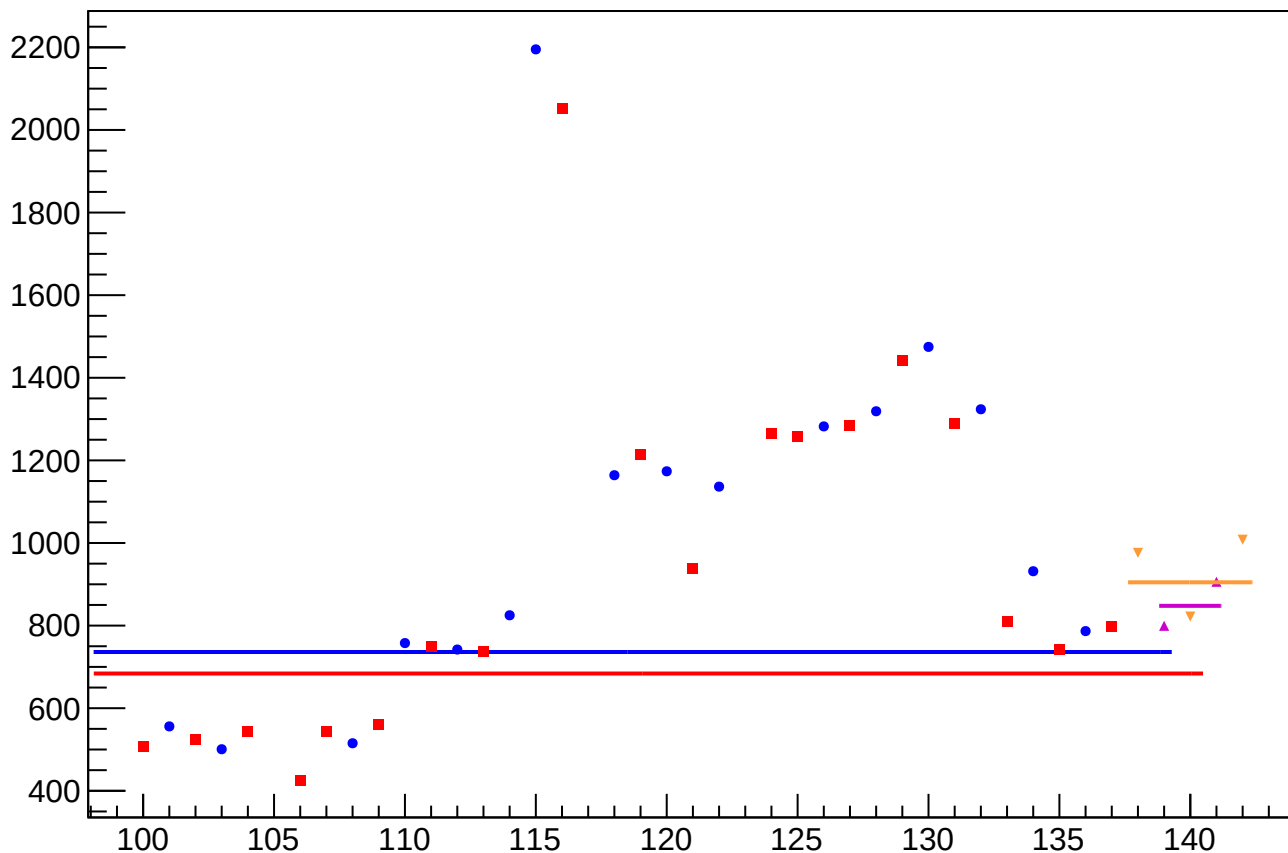
Left In: -624.609 $\pm$ 648.930 χ^2 /NDF: 0.8/1

+ sign 211.818 $\pm$ 266.309 χ^2 /NDF: 12.9/18

All: -202.613 $\pm$ 181.977 χ^2 /NDF: 36.3/39

- sign -565.641 $\pm$ 249.247 χ^2 /NDF: 18.8/20

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF : 1844498.2/15

Left Out: 904.846+/-0.448 χ^2/NDF : 34575.6/2

Right Out: 683.981+/-0.191 χ^2/NDF : 1850402.3/18

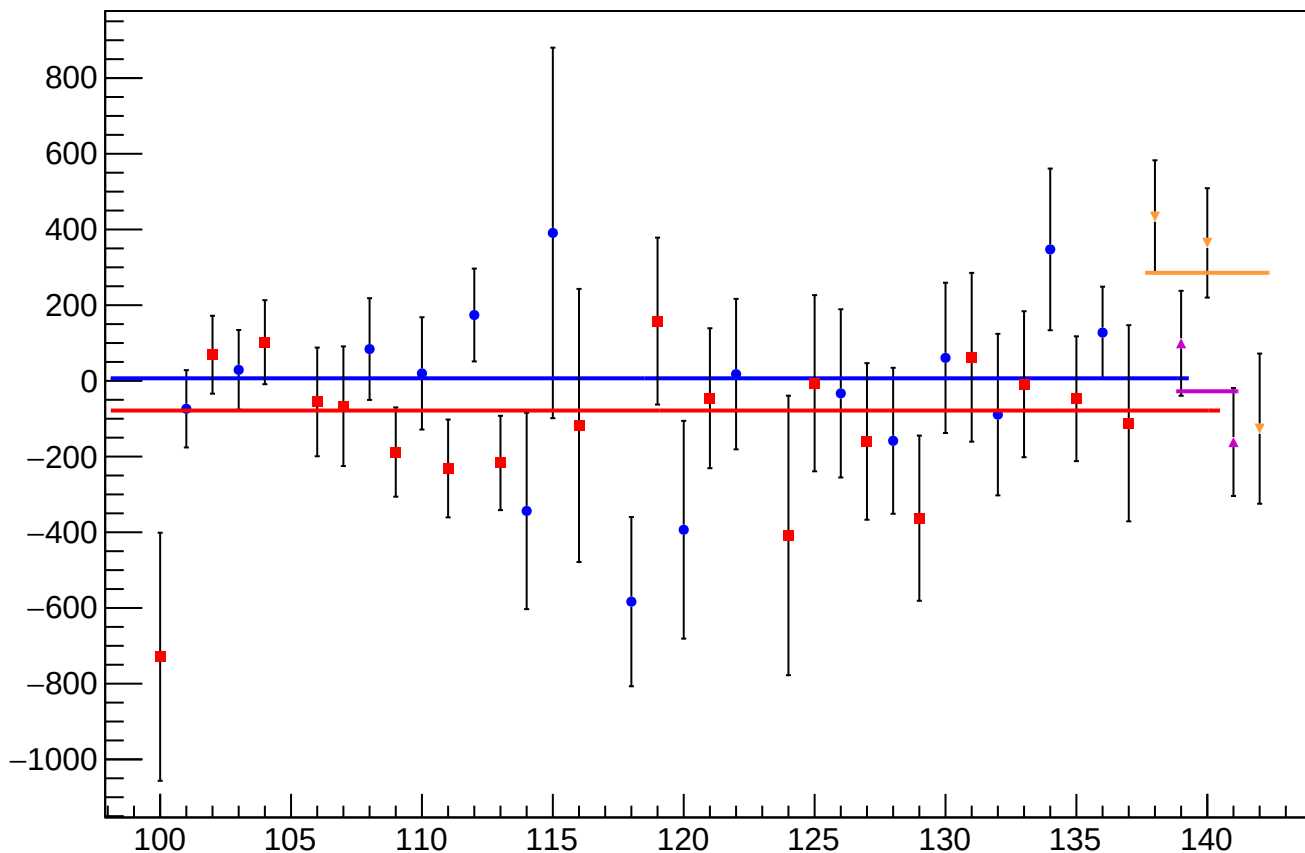
Left In: 847.872+/-0.459 χ^2/NDF : 13382.2/1

+ sign 765.879+/-0.188 χ^2/NDF : 1995842.9/18

All: 735.111+/-0.129 χ^2/NDF : 4018460.6/39

- sign 708.158+/-0.176 χ^2/NDF : 1972533.6/20

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799 $\pm$ 40.353 χ^2 /NDF: 18.8/15

Left Out: 285.507 $\pm$ 91.916 χ^2 /NDF: 5.6/2

Right Out: -78.347 $\pm$ 37.909 χ^2 /NDF: 16.7/18

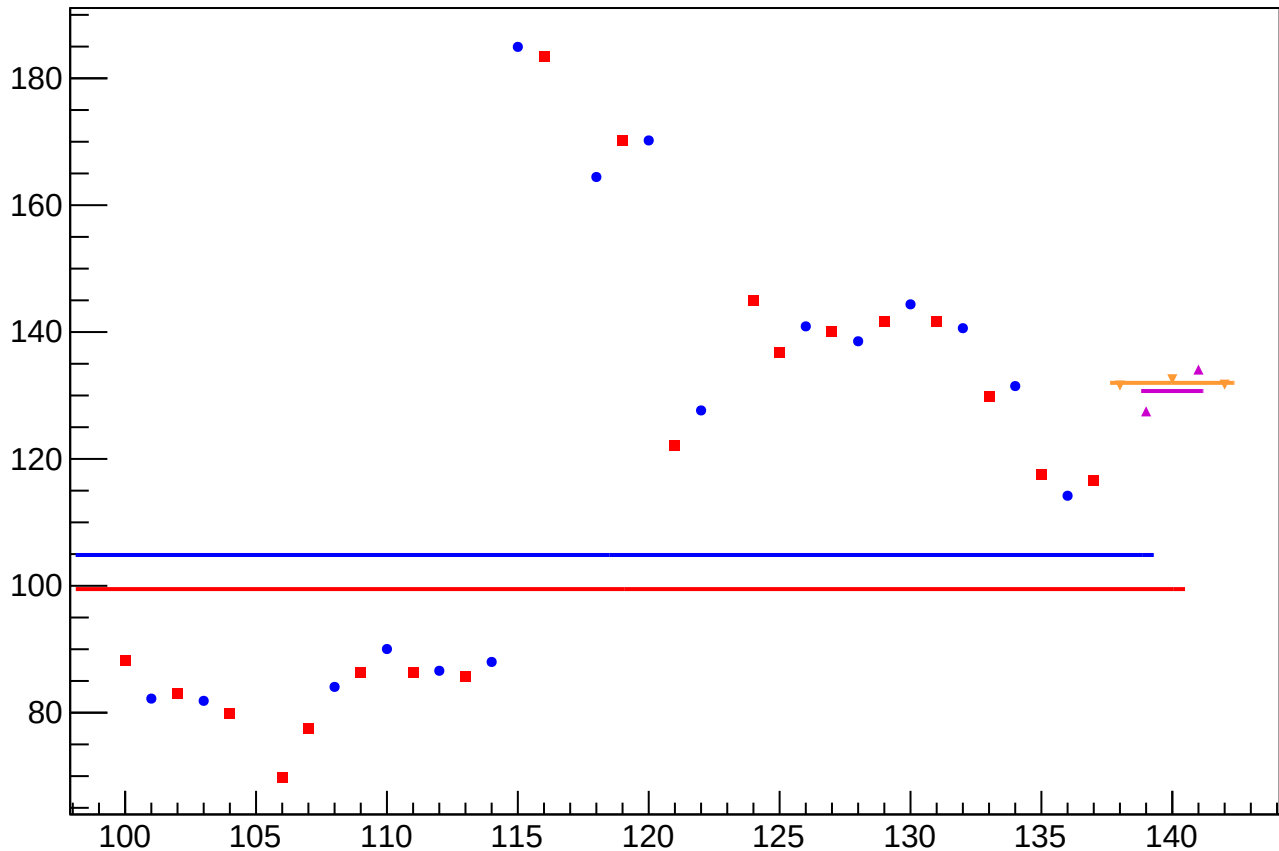
Left In: -27.484 $\pm$ 99.392 χ^2 /NDF: 1.7/1

+ sign 51.836 $\pm$ 36.949 χ^2 /NDF: 32.1/18

All: -12.639 $\pm$ 25.569 χ^2 /NDF: 56.6/39

- sign -71.888 $\pm$ 35.420 χ^2 /NDF: 18.6/20

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF : 931227.7/15

Left Out: 131.992+/-0.065 χ^2/NDF :51.0/2

Right Out: 99.484+/-0.027 χ^2/NDF : 1041224.0/18

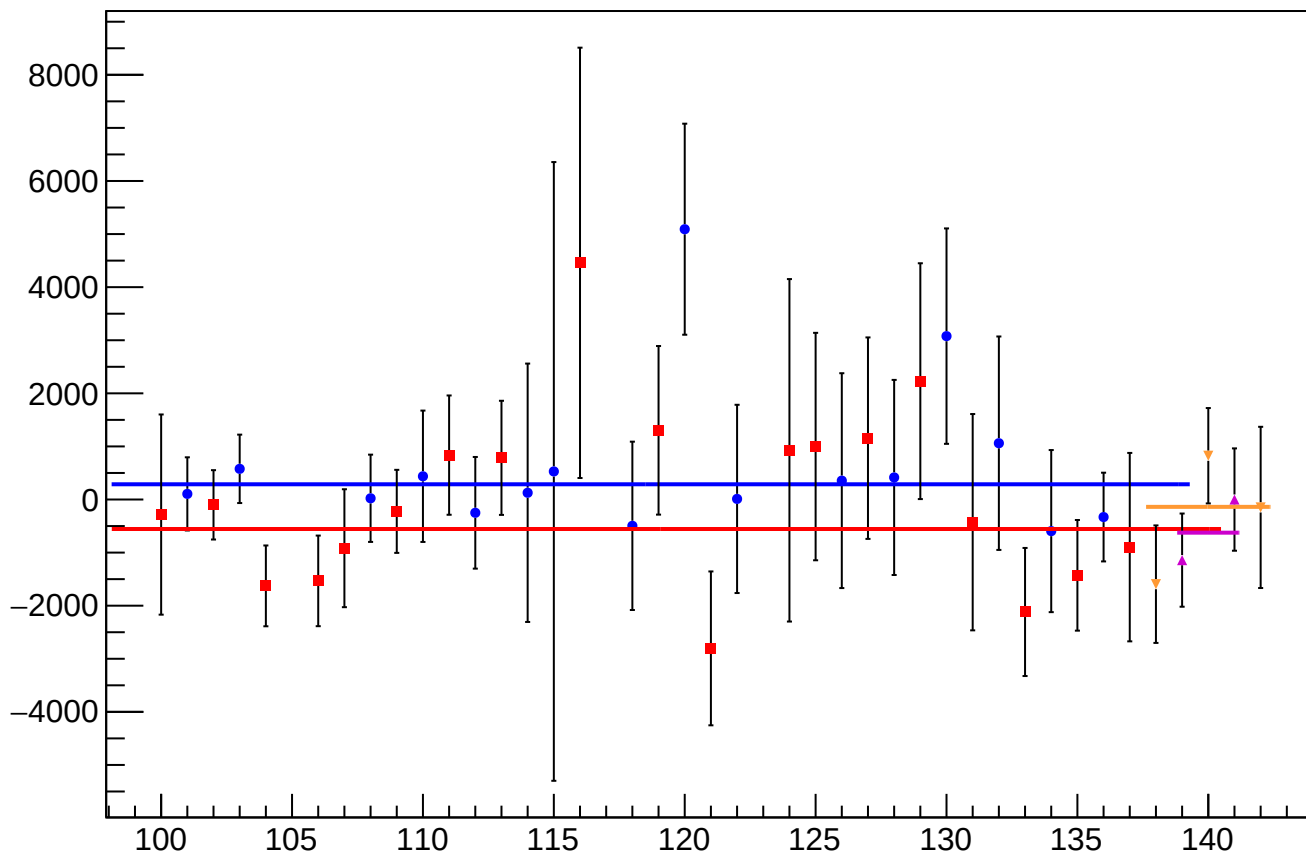
Left In: 130.704+/-0.070 χ^2/NDF :2193.9/1

+ sign 109.244+/-0.026 χ^2/NDF : 1077386.4/18

All: 106.224+/-0.018 χ^2/NDF : 2318719.3/39

- sign 103.449+/-0.025 χ^2/NDF : 1215691.4/20

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918 $\pm$ 293.473 χ^2 /NDF: 9.7/15

Left Out: -138.442 $\pm$ 633.789 χ^2 /NDF:2.9/2

Right Out: -555.436 $\pm$ 269.953 χ^2 /NDF: 18.0/18

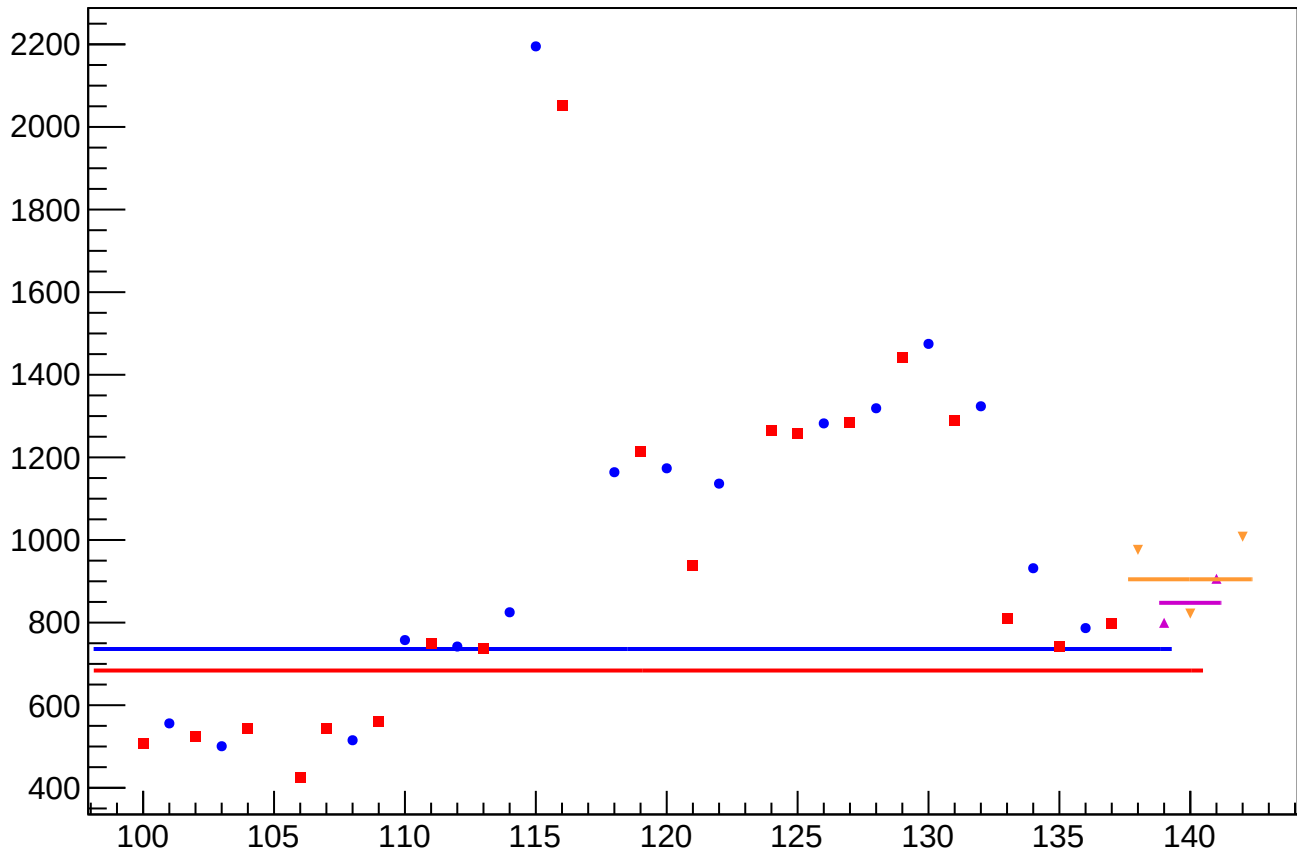
Left In: -624.609 $\pm$ 648.930 χ^2 /NDF:0.8/1

+ sign 211.818 $\pm$ 266.309 χ^2 /NDF: 12.9/18

All: -202.613 $\pm$ 181.977 χ^2 /NDF: 36.3/39

- sign -565.641 $\pm$ 249.247 χ^2 /NDF: 18.8/20

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF : 1844498.2/15

Left Out: 904.846+/-0.448 χ^2/NDF : 34575.6/2

Right Out: 683.981+/-0.191 χ^2/NDF : 1850402.3/18

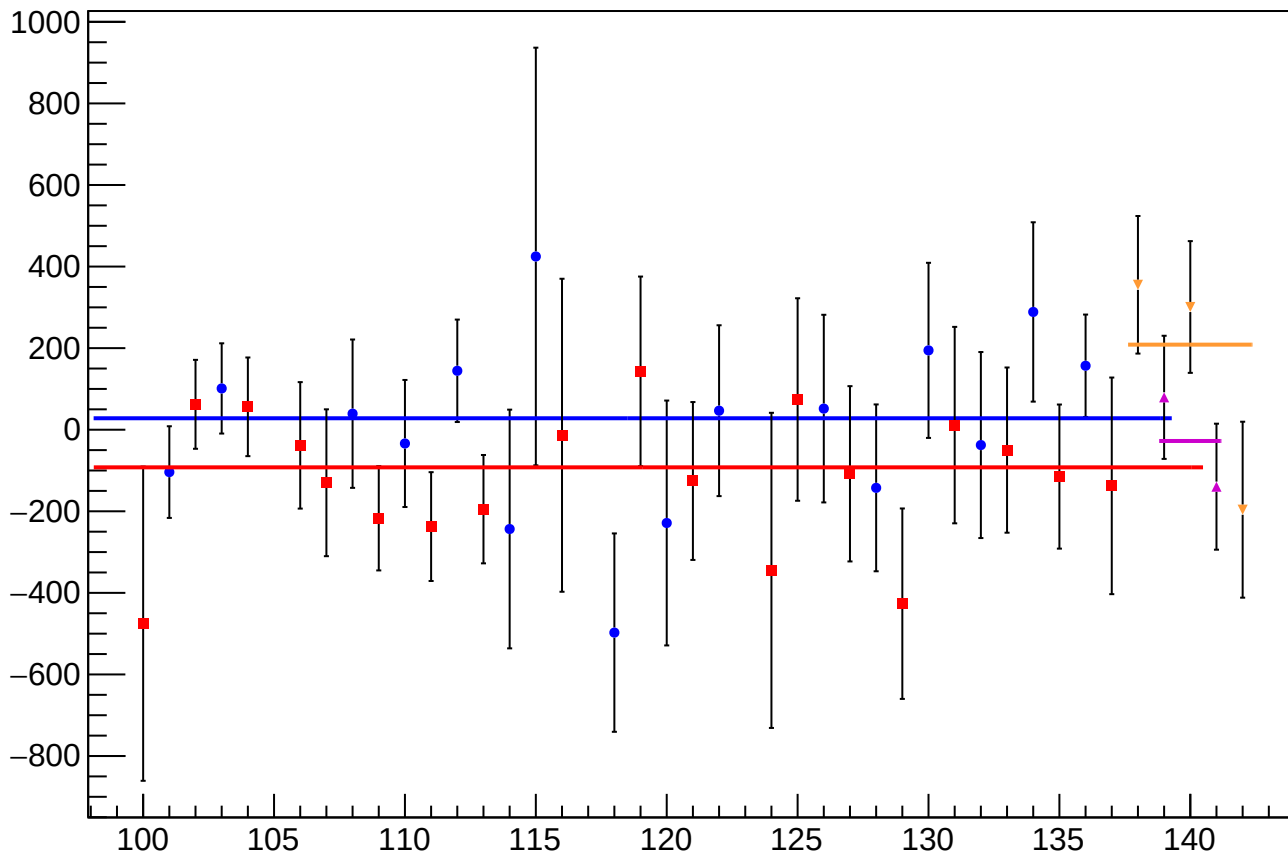
Left In: 847.872+/-0.459 χ^2/NDF : 13382.2/1

+ sign 765.879+/-0.188 χ^2/NDF : 1995842.9/18

All: 735.111+/-0.129 χ^2/NDF : 4018460.6/39

- sign 708.158+/-0.176 χ^2/NDF : 1972533.6/20

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF : 13.6/15

Left Out: 208.585+/-102.603 χ^2/NDF : 4.6/2

Right Out: -92.247+/-40.539 χ^2/NDF : 11.7/18

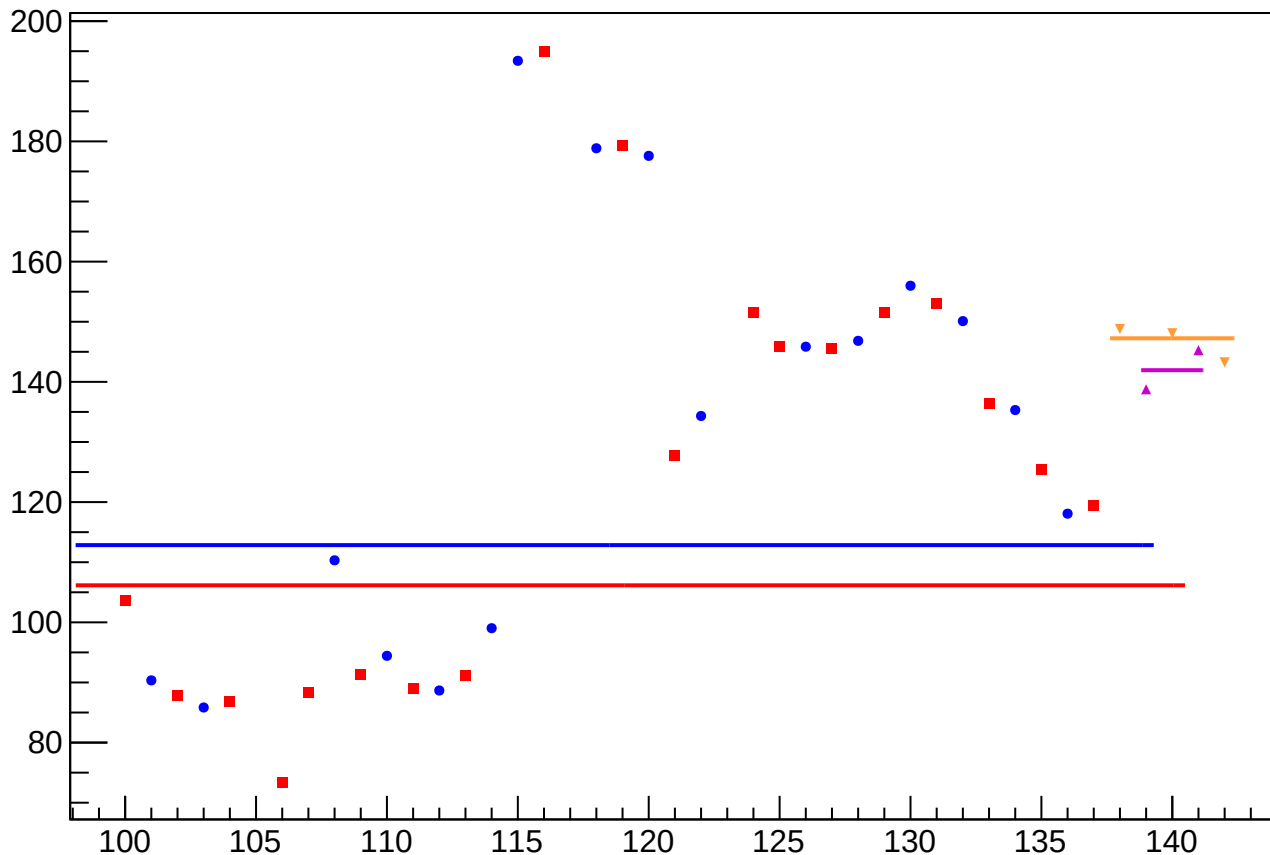
Left In: -27.614+/-107.957 χ^2/NDF : 1.0/1

+ sign 55.528+/-40.002 χ^2/NDF : 20.8/18

All: -18.040+/-27.532 χ^2/NDF : 40.3/39

- sign -84.259+/-37.951 χ^2/NDF : 13.1/20

dit_asym_sam5_rms vs Slug



Right In: 112.843 $\pm$ 0.031 χ^2 /NDF: 872225.9/15

Left Out: 147.247 $\pm$ 0.073 χ^2 /NDF:904.9/2

Right Out: 106.159 $\pm$ 0.029 χ^2 /NDF: 1002148.0/18

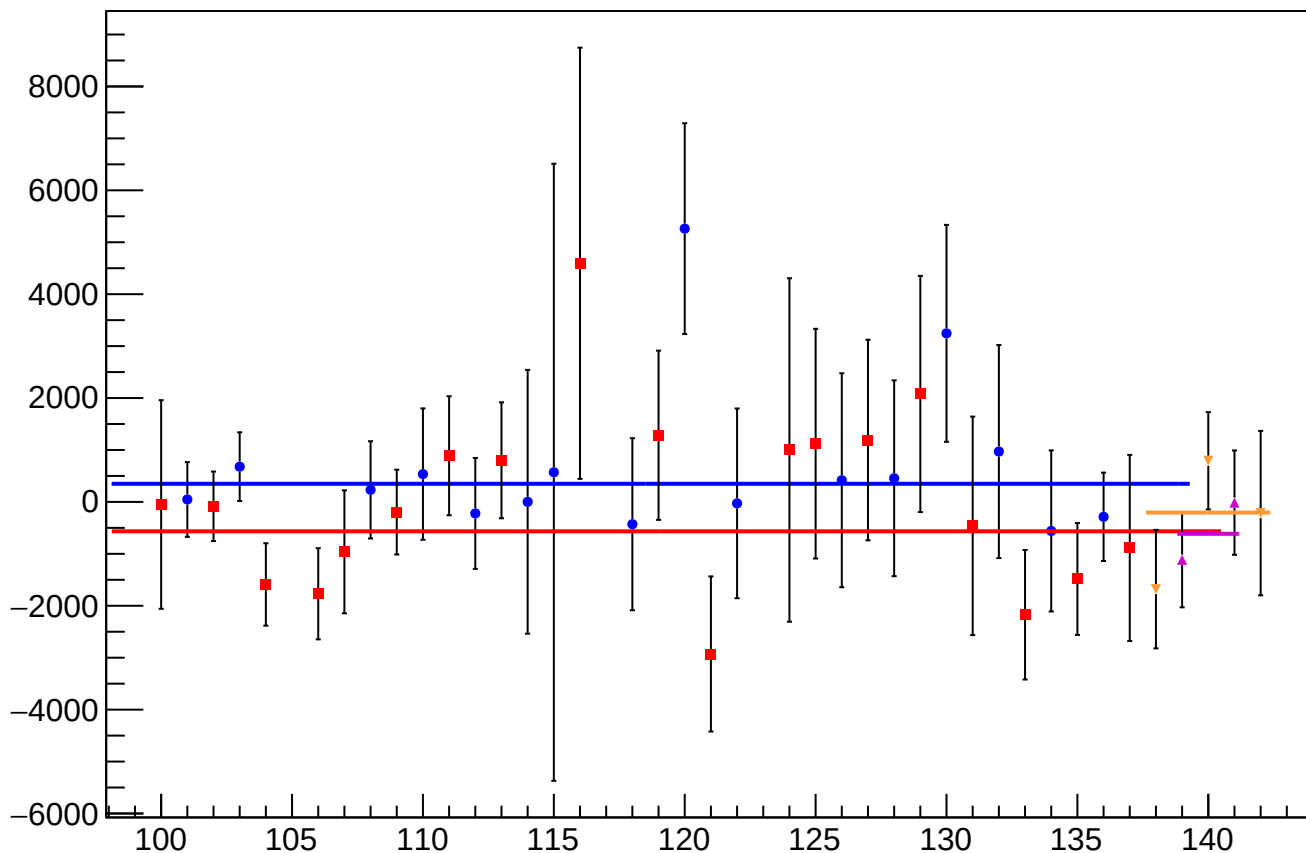
Left In: 141.942 $\pm$ 0.076 χ^2 /NDF:1812.5/1

+ sign 118.072 $\pm$ 0.028 χ^2 /NDF: 1063827.0/18

All: 114.130 $\pm$ 0.019 χ^2 /NDF: 2297280.1/39

- sign 110.581 $\pm$ 0.027 χ^2 /NDF: 1196538.3/20

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112 $\pm$ 305.328 χ^2 /NDF: 9.8/15

Left Out: -205.572 $\pm$ 658.489 χ^2 /NDF: 2.8/2

Right Out: -566.026 $\pm$ 279.219 χ^2 /NDF: 18.3/18

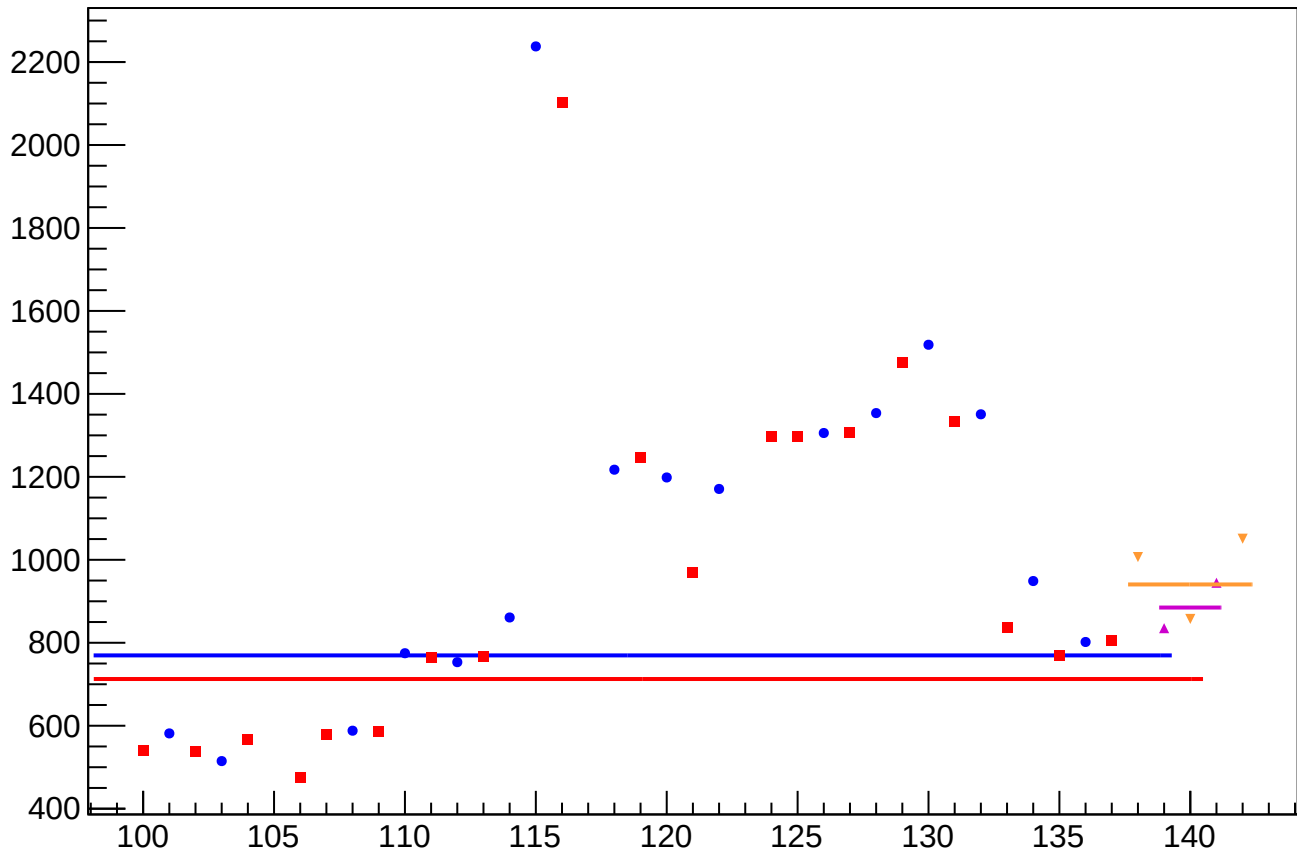
Left In: -614.326 $\pm$ 677.049 χ^2 /NDF: 0.7/1

+ sign 250.959 $\pm$ 276.999 χ^2 /NDF: 13.2/18

All: -190.065 $\pm$ 188.844 χ^2 /NDF: 36.9/39

- sign -573.047 $\pm$ 258.129 χ^2 /NDF: 19.0/20

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF : 1739937.3/15

Left Out: 940.598+/-0.466 χ^2/NDF : 32151.7/2

+ sign 799.824+/-0.196 χ^2/NDF : 1883148.5/18

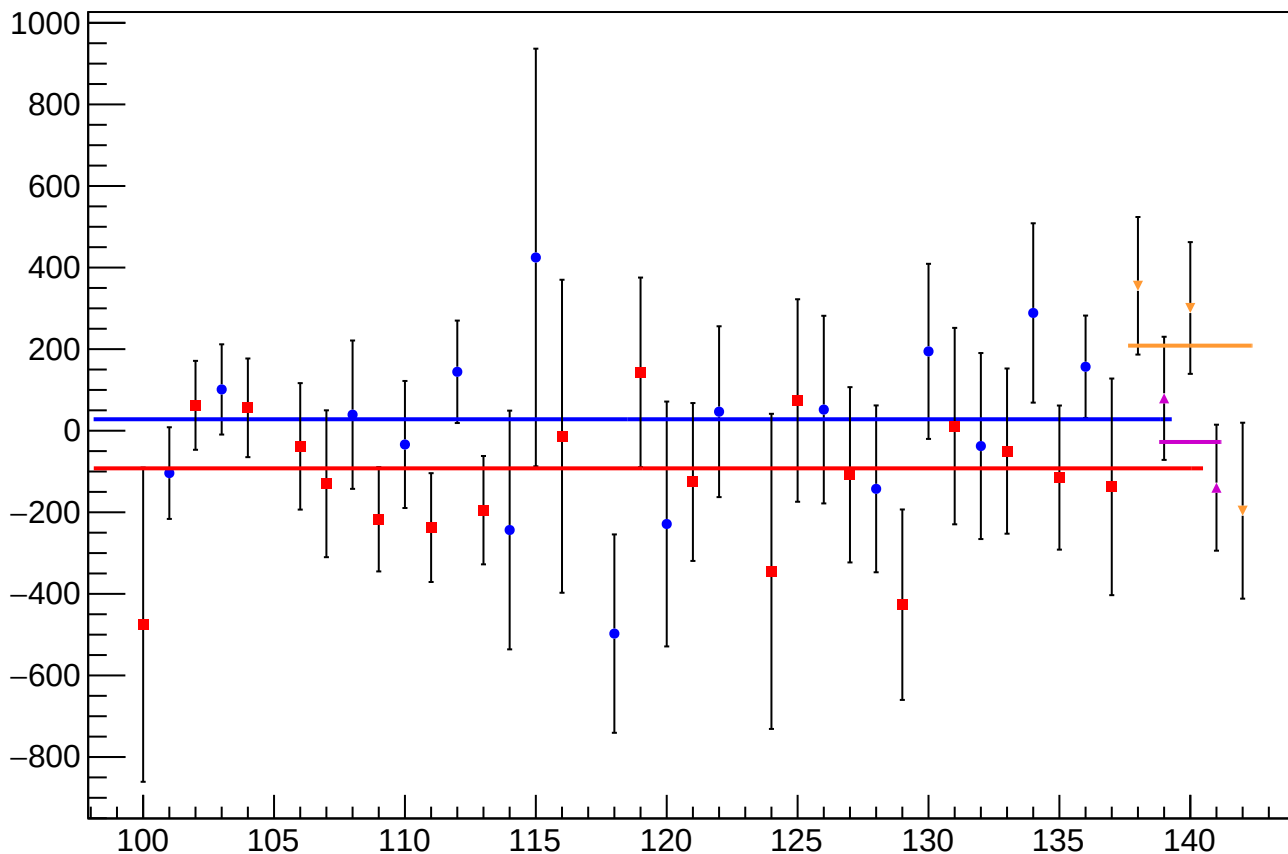
Right Out: 712.628+/-0.197 χ^2/NDF : 1767226.6/18

All: 766.559+/-0.134 χ^2/NDF : 3827921.5/39

- sign 737.672+/-0.183 χ^2/NDF : 1890882.0/20

Left In: 884.916+/-0.479 χ^2/NDF : 12971.3/1

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF : 13.6/15

Left Out: 208.584+/-102.603 χ^2/NDF : 4.6/2

Right Out: -92.247+/-40.539 χ^2/NDF : 11.7/18

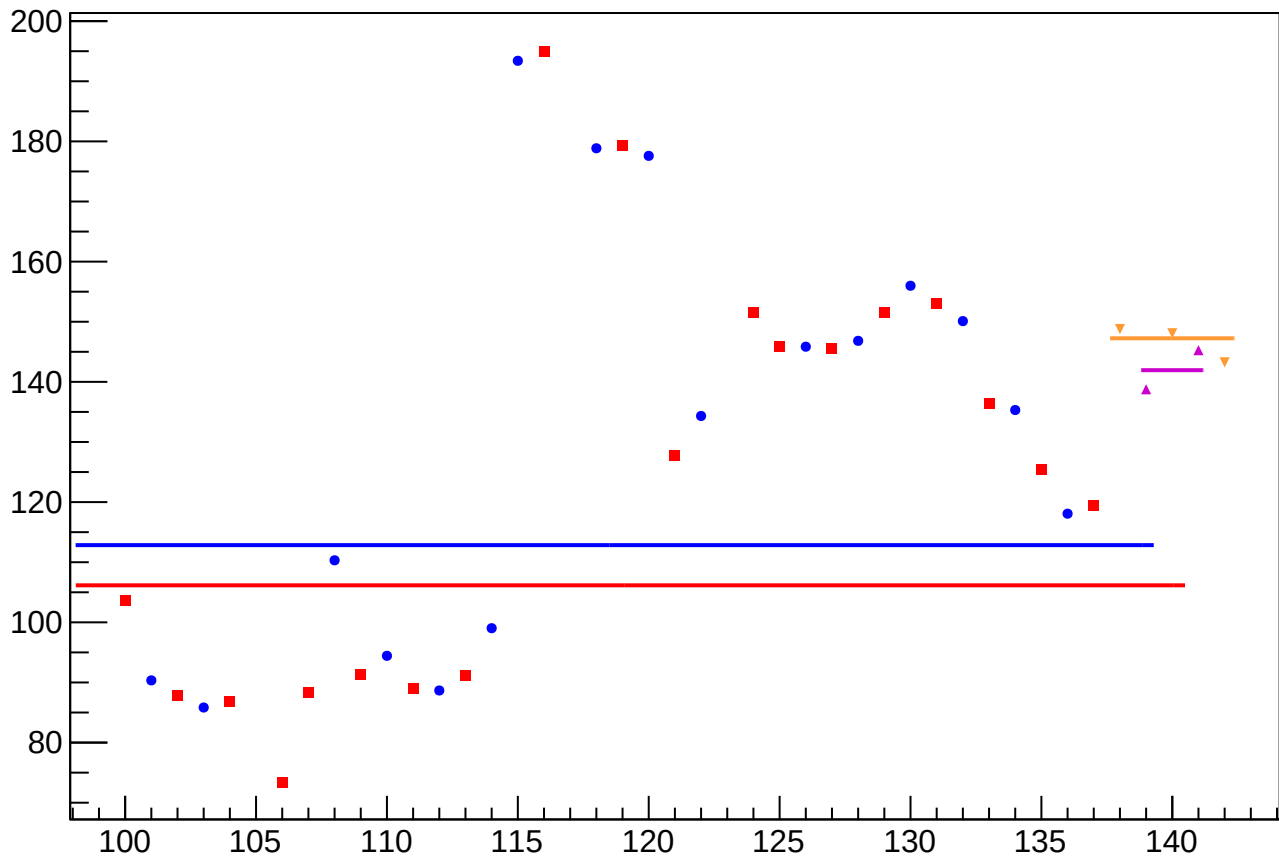
Left In: -27.616+/-107.957 χ^2/NDF : 1.0/1

+ sign 55.527+/-40.001 χ^2/NDF : 20.8/18

All: -18.041+/-27.532 χ^2/NDF : 40.3/39

- sign -84.260+/-37.951 χ^2/NDF : 13.1/20

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842 $\pm$ 0.031 χ^2 /NDF: 872219.7/15

Left Out: 147.248 $\pm$ 0.073 χ^2 /NDF: 905.1/2

Right Out: 106.158 $\pm$ 0.029 χ^2 /NDF: 1002136.6/18

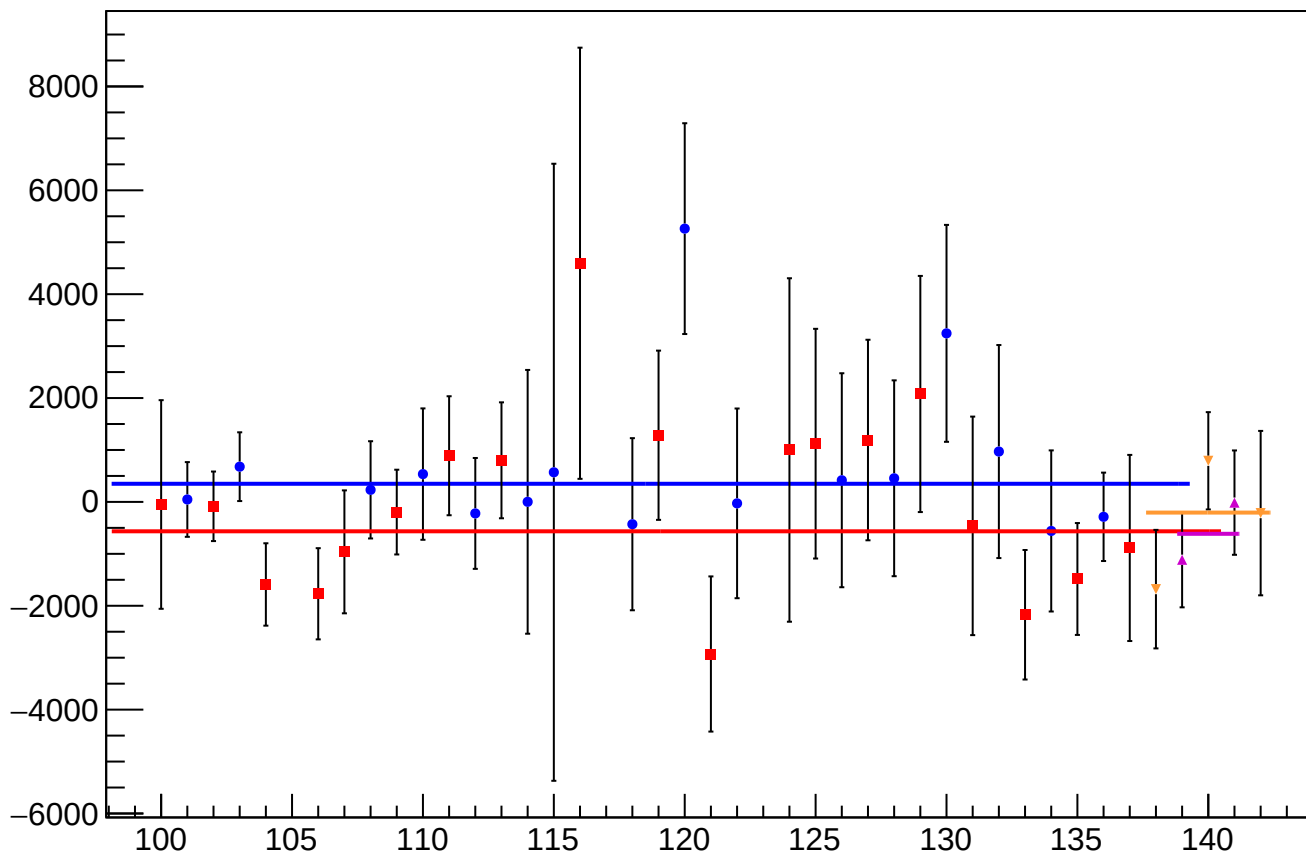
Left In: 141.943 $\pm$ 0.076 χ^2 /NDF: 1812.5/1

+ sign 118.072 $\pm$ 0.028 χ^2 /NDF: 1063831.7/18

All: 114.129 $\pm$ 0.019 χ^2 /NDF: 2297282.4/39

- sign 110.581 $\pm$ 0.027 χ^2 /NDF: 1196536.3/20

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111 $\pm$ 305.328 χ^2 /NDF: 9.8/15

Left Out: -205.572 $\pm$ 658.491 χ^2 /NDF: 2.8/2

Right Out: -566.026 $\pm$ 279.218 χ^2 /NDF: 18.3/18

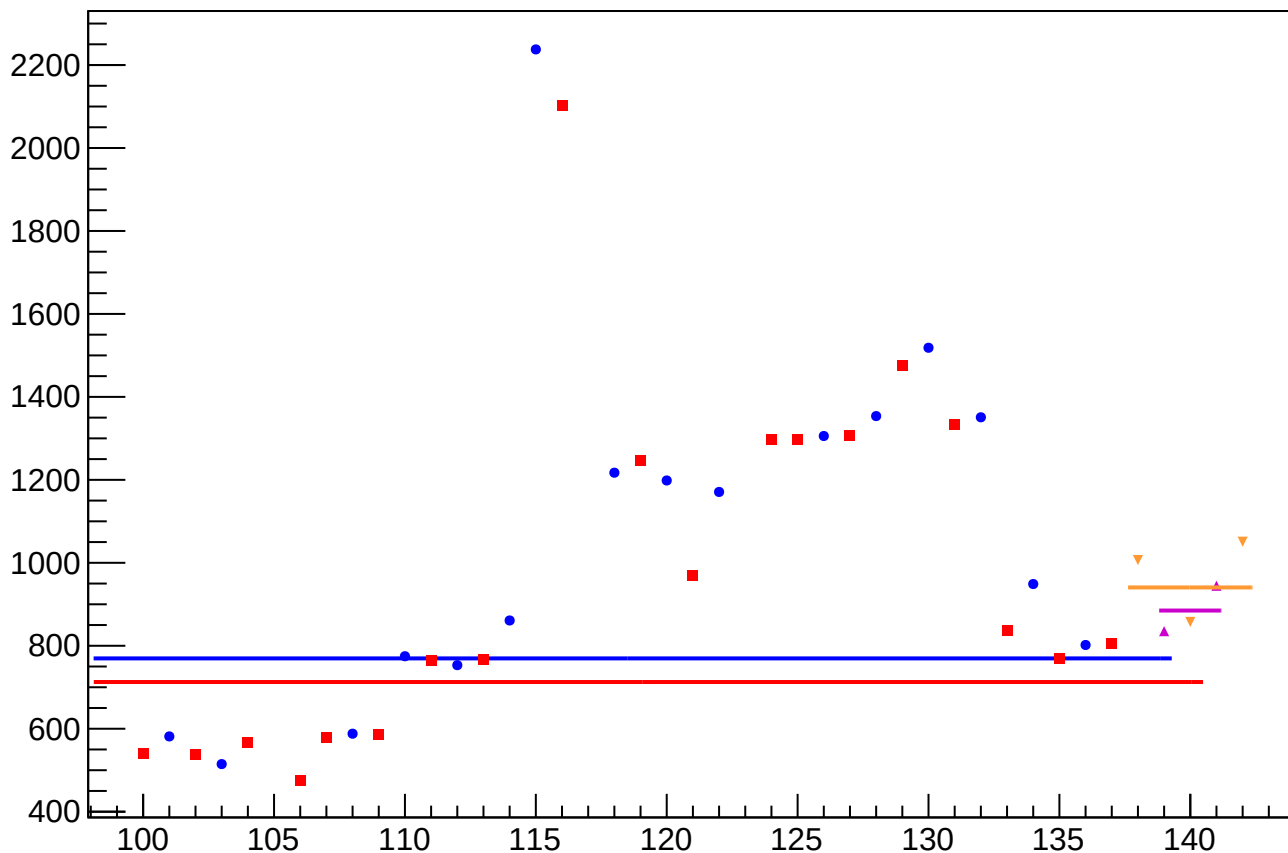
Left In: -614.328 $\pm$ 677.051 χ^2 /NDF: 0.7/1

+ sign 250.959 $\pm$ 276.999 χ^2 /NDF: 13.2/18

All: -190.065 $\pm$ 188.844 χ^2 /NDF: 36.9/39

- sign -573.047 $\pm$ 258.129 χ^2 /NDF: 19.0/20

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556 $\pm$ 0.216 χ^2 /NDF: 1739933.9/15

Left Out: 940.601 $\pm$ 0.466 χ^2 /NDF:32151.4/2

+ sign 799.823 $\pm$ 0.196 χ^2 /NDF: 1883150.3/18

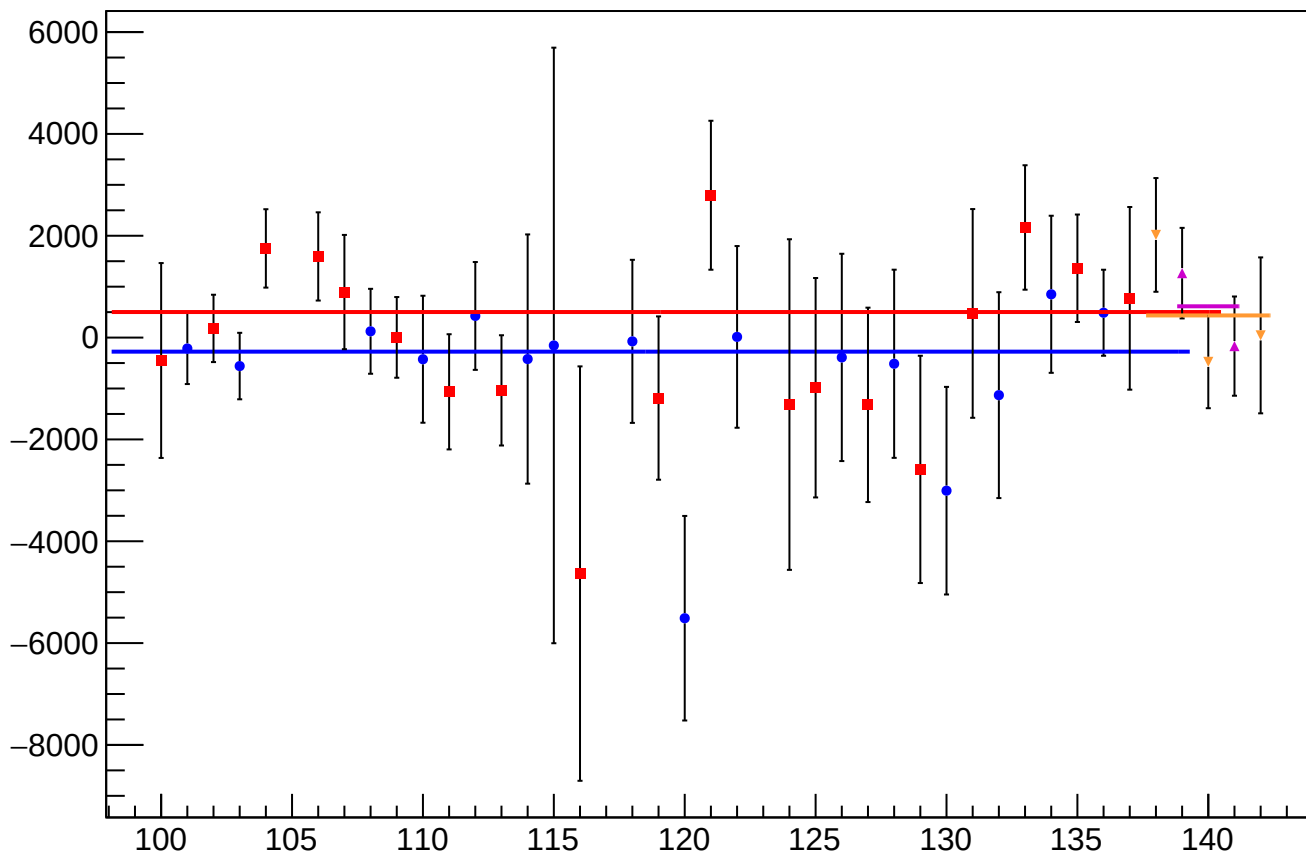
Right Out: 712.627 $\pm$ 0.197 χ^2 /NDF: 1767219.7/18

All: 766.558 $\pm$ 0.134 χ^2 /NDF: 3827921.1/39

- sign 737.671 $\pm$ 0.183 χ^2 /NDF: 1890879.6/20

Left In: 884.919 $\pm$ 0.479 χ^2 /NDF:12971.6/1

asym_sam5_mean vs Slug



Right In: -276.199 ± 296.708 χ^2/NDF : 11.1/15

Left Out: 435.047 ± 640.800 χ^2/NDF : 3.1/2

Right Out: 501.985 ± 272.991 χ^2/NDF : 20.5/18

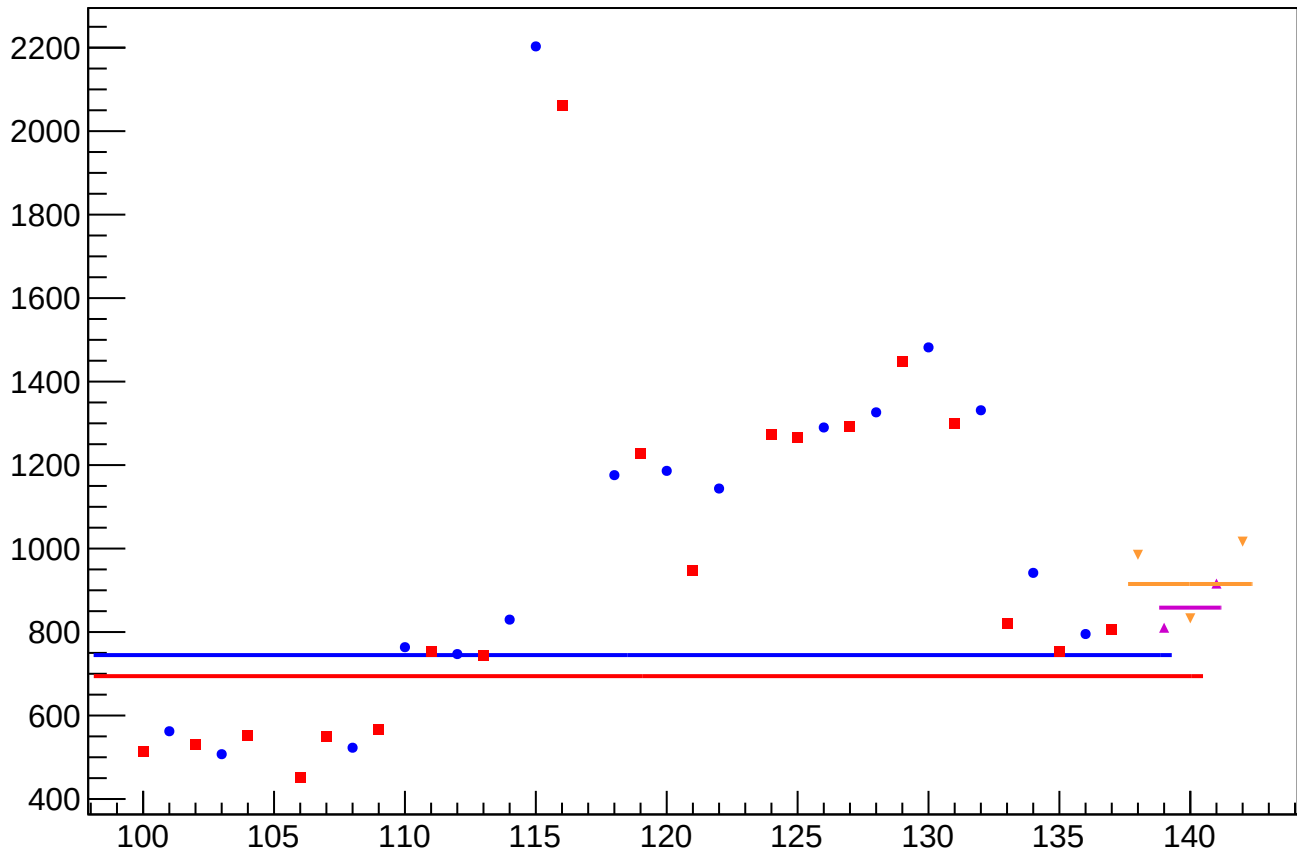
Left In: 614.484 ± 656.814 χ^2/NDF : 1.2/1

+ sign -150.632 ± 269.246 χ^2/NDF : 15.1/18

All: 205.968 ± 184.019 χ^2/NDF : 40.1/39

- sign 518.556 ± 252.084 χ^2/NDF : 21.7/20

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF : 1822553.5/15

Left Out: 915.117+/-0.453 χ^2/NDF : 32967.4/2

Right Out: 694.348+/-0.193 χ^2/NDF : 1803741.9/18

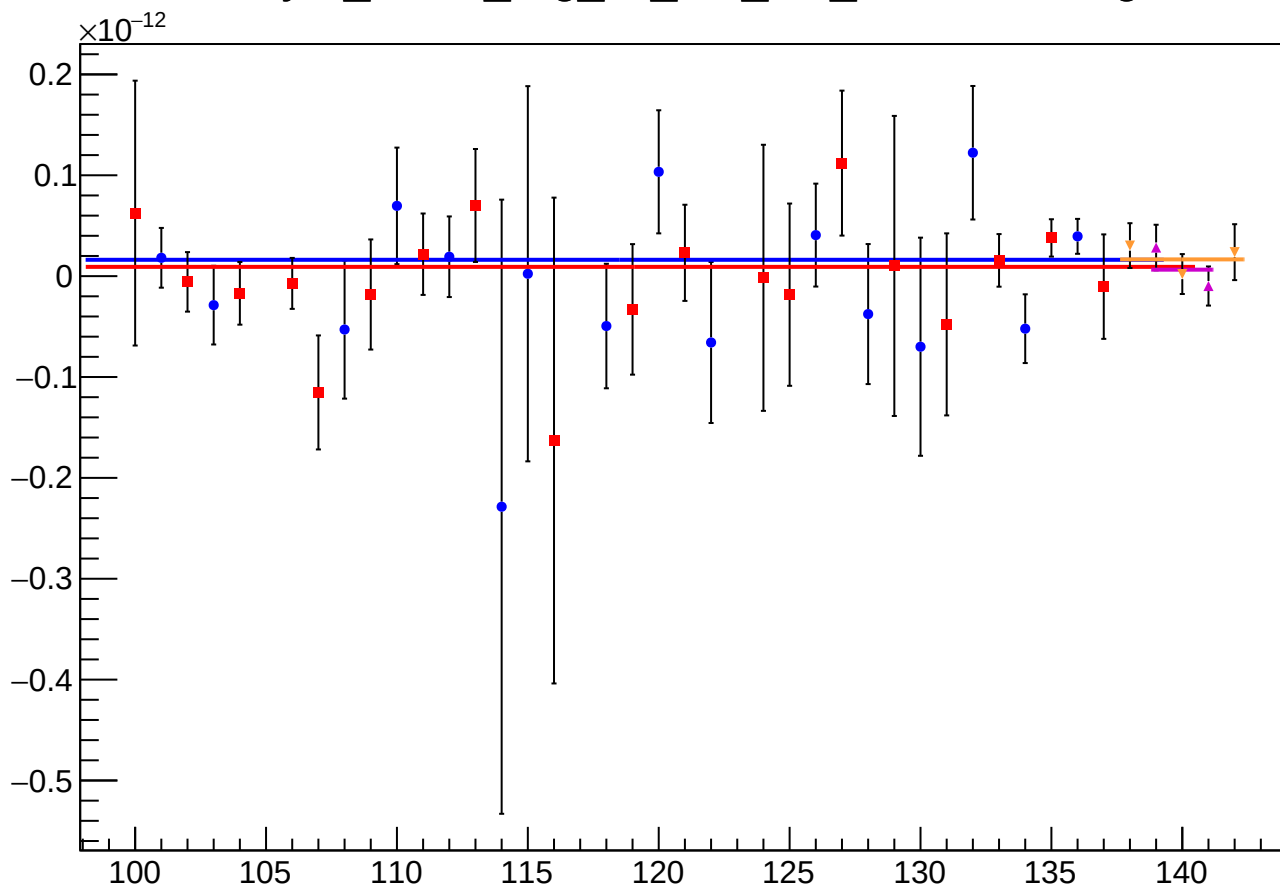
Left In: 858.436+/-0.464 χ^2/NDF : 12848.0/1

+ sign 774.854+/-0.190 χ^2/NDF : 1971888.1/18

All: 744.834+/-0.130 χ^2/NDF : 3941573.7/39

- sign 718.519+/-0.178 χ^2/NDF : 1923027.0/20

asym_sam5_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 : 1.0/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.1/18

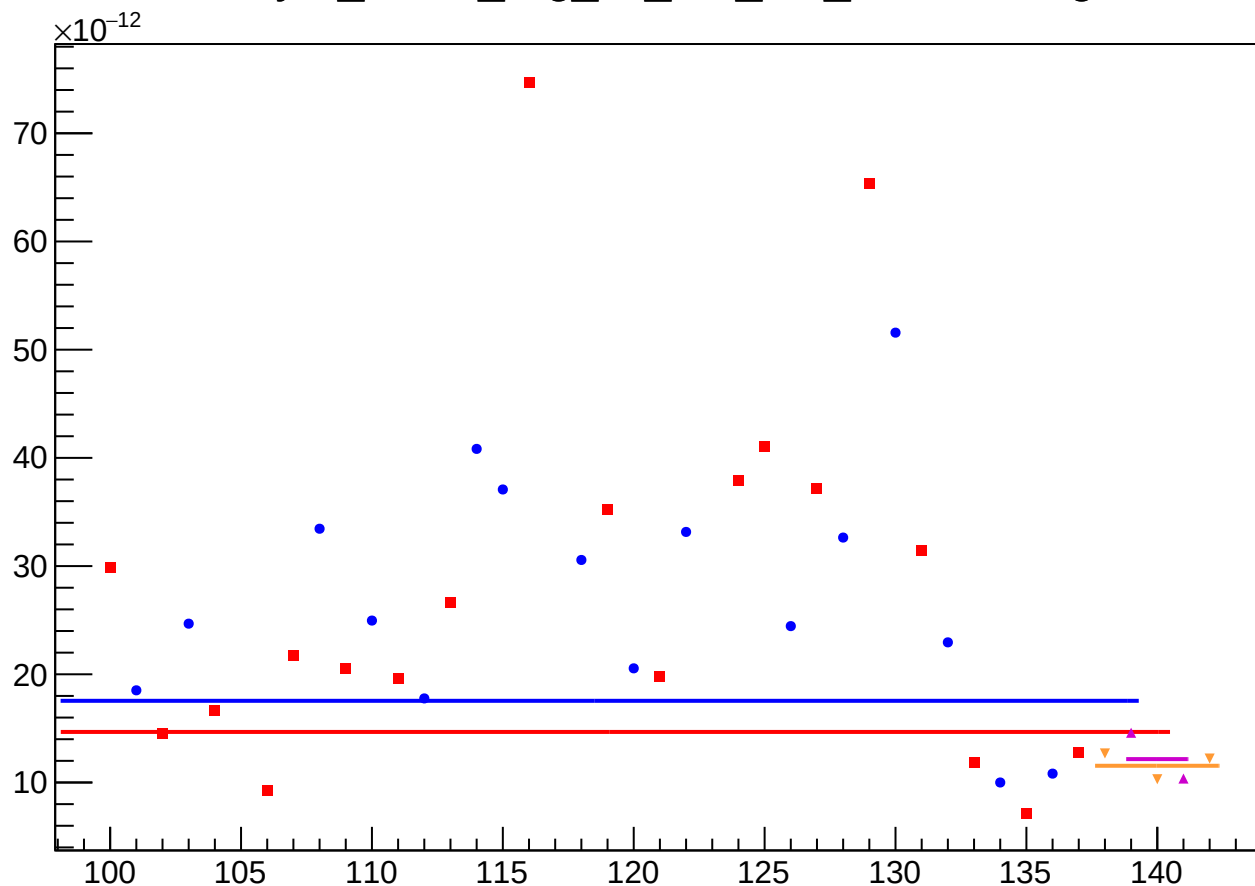
Left In: 0.000 ± 0.000 χ^2/NDF : 1.6/1

+ sign 0.000 ± 0.000 χ^2/NDF : 18.9/18

All: 0.000 ± 0.000 χ^2/NDF : 35.2/39

- sign 0.000 ± 0.000 χ^2/NDF : 15.8/20

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 : 14343.6/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1741597.8/18

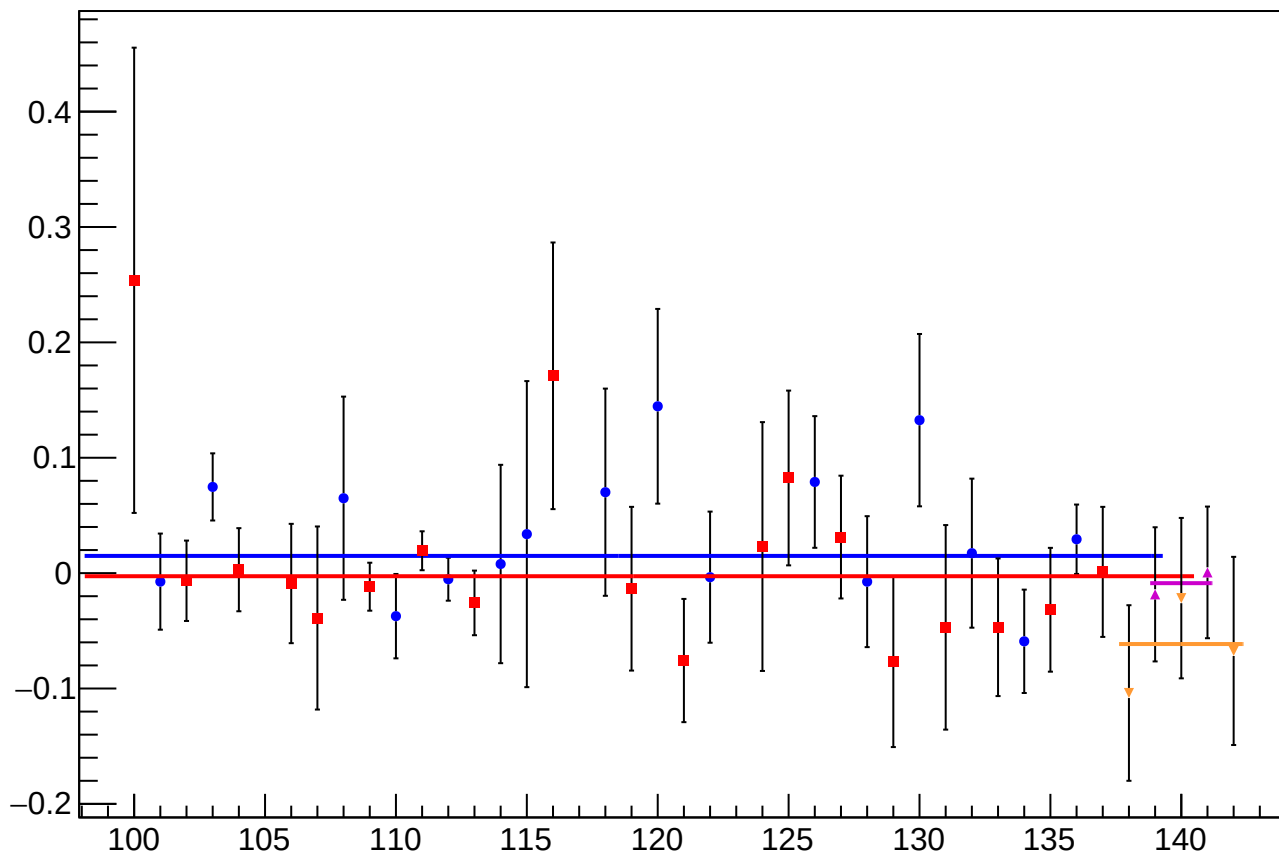
Left In: 0.000+/-0.000 χ^2/NDF : 40470.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 1424604.2/18

All: 0.000+/-0.000 χ^2/NDF : 3269795.5/39

- sign 0.000+/-0.000 χ^2/NDF : 1823523.4/20

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.061 ± 0.043 χ^2/NDF : 0.6/2

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

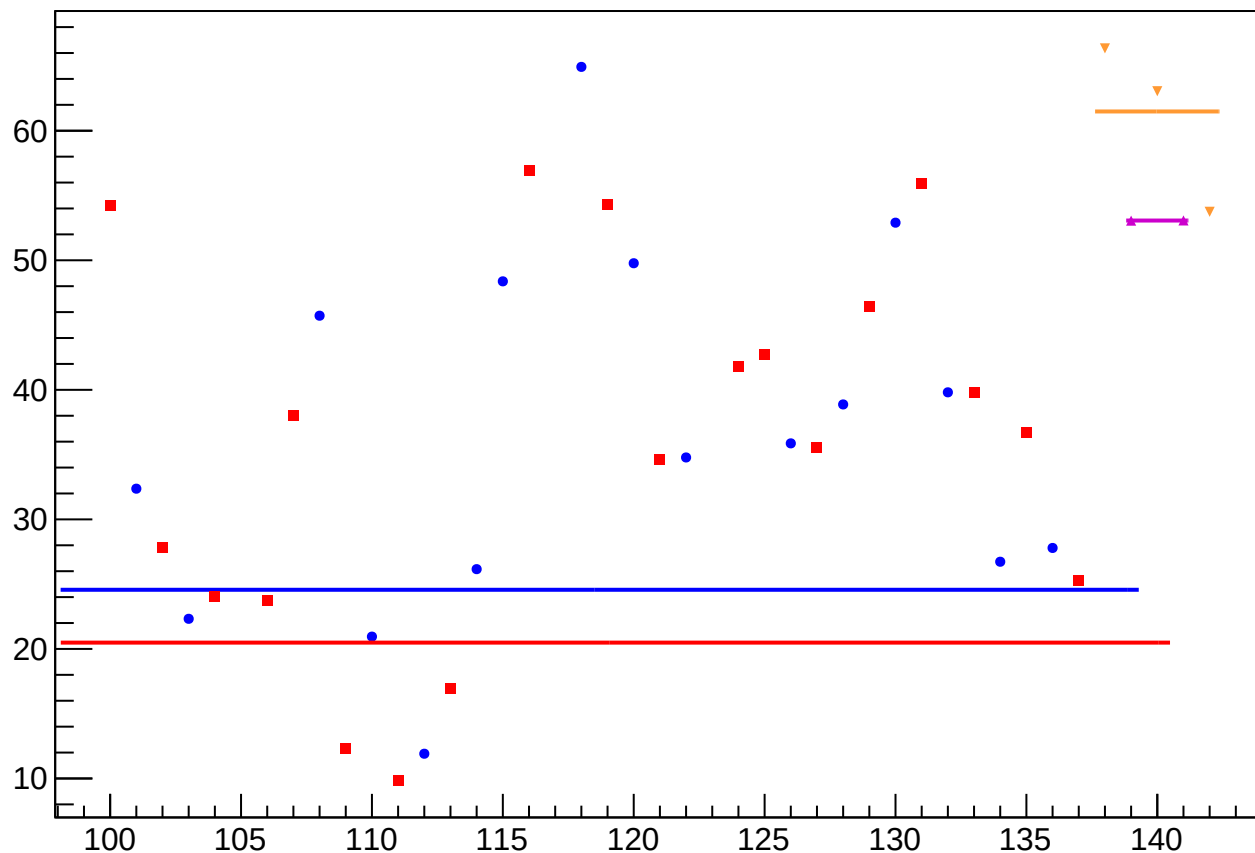
Left In: -0.009 ± 0.041 χ^2/NDF : 0.1/1

+ sign 0.011 ± 0.010 χ^2/NDF : 21.3/18

All: 0.003 ± 0.007 χ^2/NDF : 34.9/39

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/20

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566 $\pm$ 0.007 χ^2 /NDF: 2484530.5/15

Left Out: 61.487 $\pm$ 0.031 χ^2 /NDF: 27238.7/2

Right Out: 20.488 $\pm$ 0.007 χ^2 /NDF: 3583938.4/18

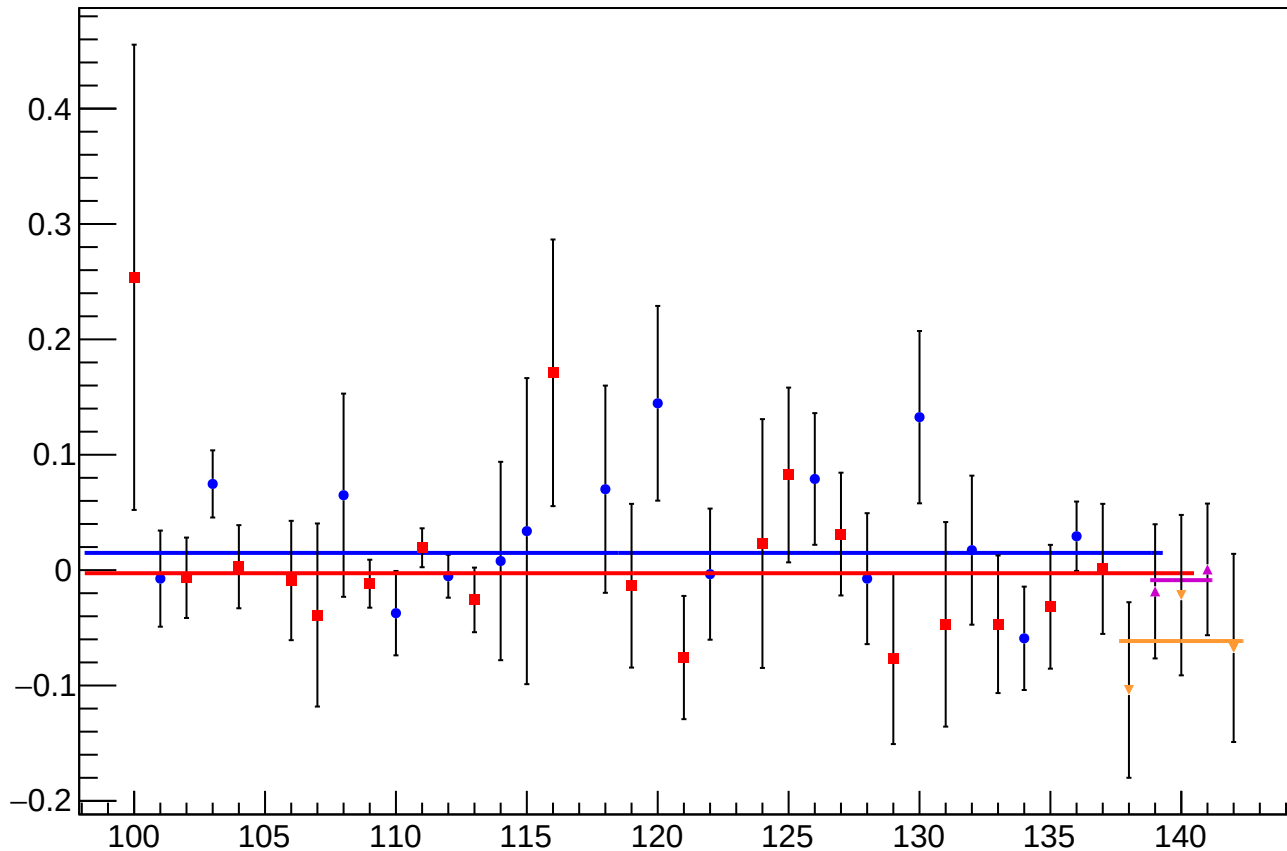
Left In: 53.068 $\pm$ 0.029 χ^2 /NDF: 0.1/1

+ sign 26.636 $\pm$ 0.007 χ^2 /NDF: 3875720.6/18

All: 24.054 $\pm$ 0.005 χ^2 /NDF: 8899811.4/39

- sign 22.078 $\pm$ 0.006 χ^2 /NDF: 4801615.6/20

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.061 ± 0.043 χ^2/NDF : 0.6/2

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

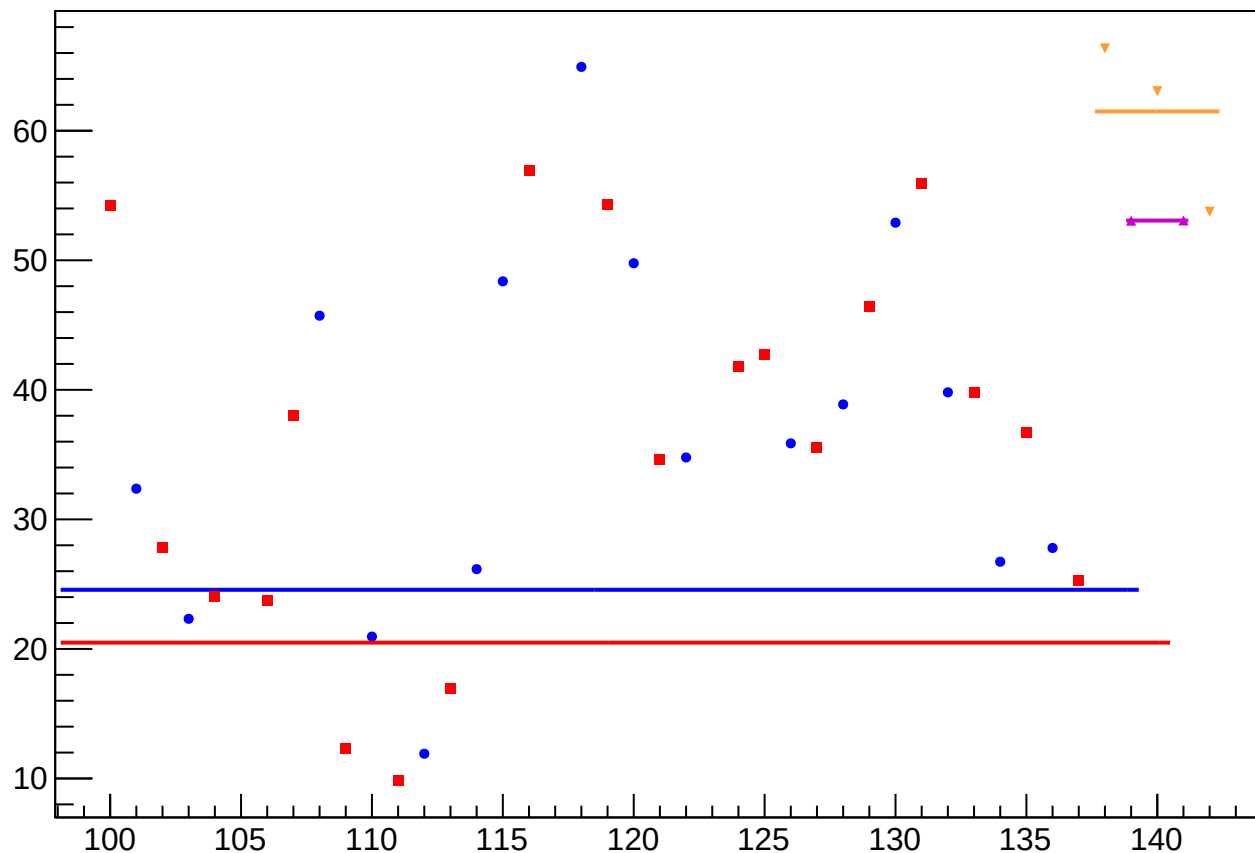
Left In: -0.009 ± 0.041 χ^2/NDF : 0.1/1

+ sign 0.011 ± 0.010 χ^2/NDF : 21.3/18

All: 0.003 ± 0.007 χ^2/NDF : 34.9/39

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/20

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF : 2484530.5/15

Left Out: 61.487+/-0.031 χ^2/NDF : 27238.7/2

Right Out: 20.488+/-0.007 χ^2/NDF : 3583938.4/18

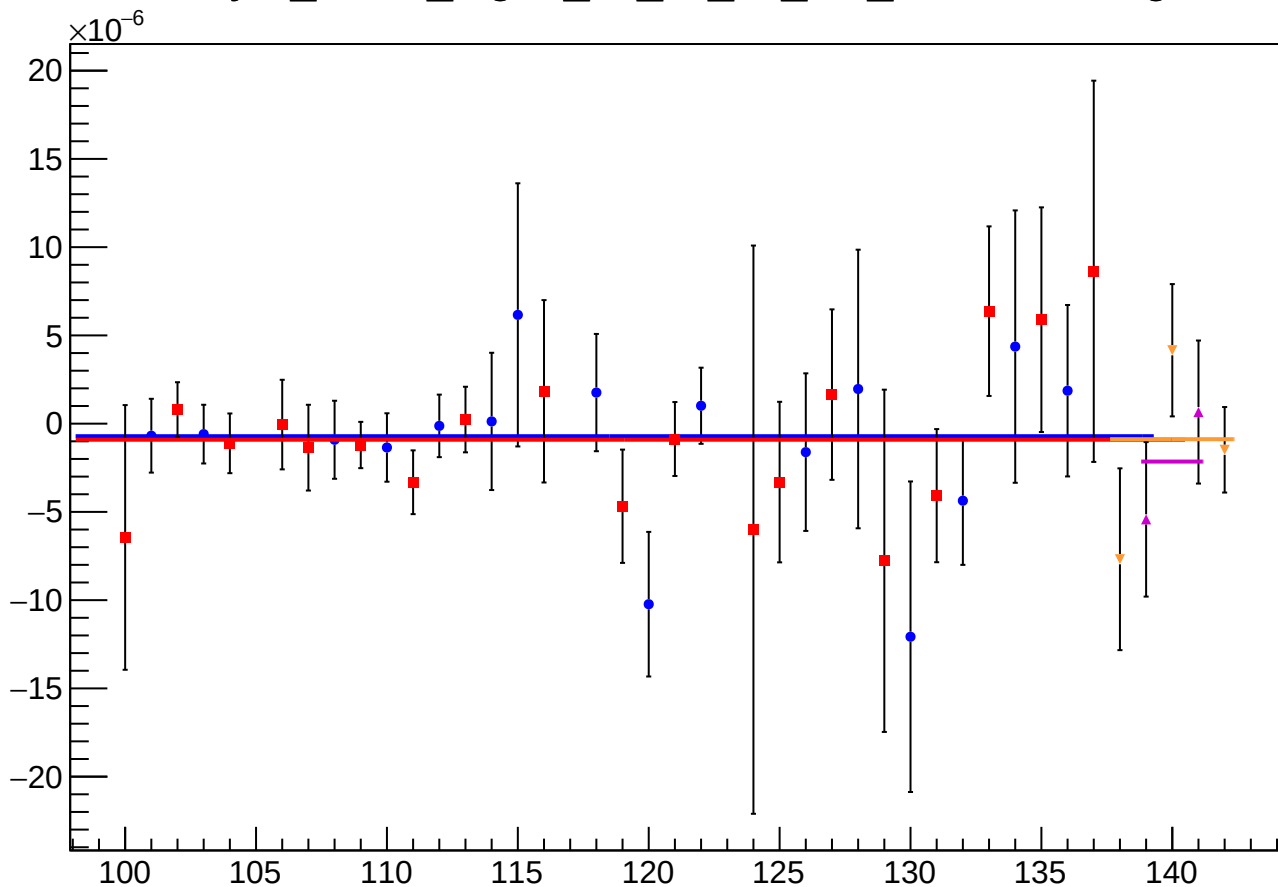
Left In: 53.068+/-0.029 χ^2/NDF : 0.1/1

+ sign 26.636+/-0.007 χ^2/NDF : 3875720.6/18

All: 24.054+/-0.005 χ^2/NDF : 8899811.4/39

- sign 22.078+/-0.006 χ^2/NDF : 4801615.6/20

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 : 3.6/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.9/18

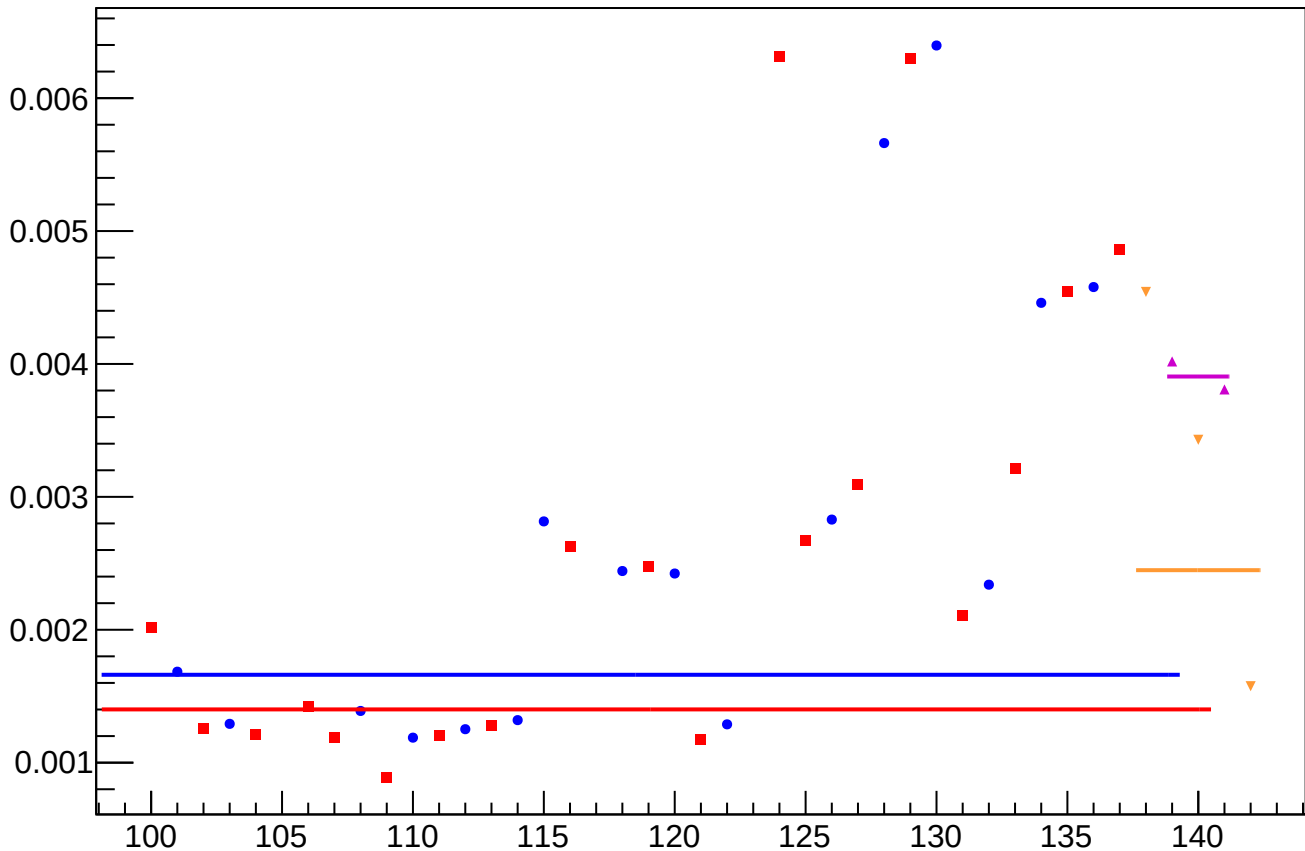
Left In: -0.000 ± 0.000 χ^2/NDF : 1.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 14.9/18

All: -0.000 ± 0.000 χ^2/NDF : 28.0/39

- sign -0.000 ± 0.000 χ^2/NDF : 13.1/20

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF : 727401.1/2

Right Out: 0.001+/-0.000 χ^2/NDF : 2915624.2/18

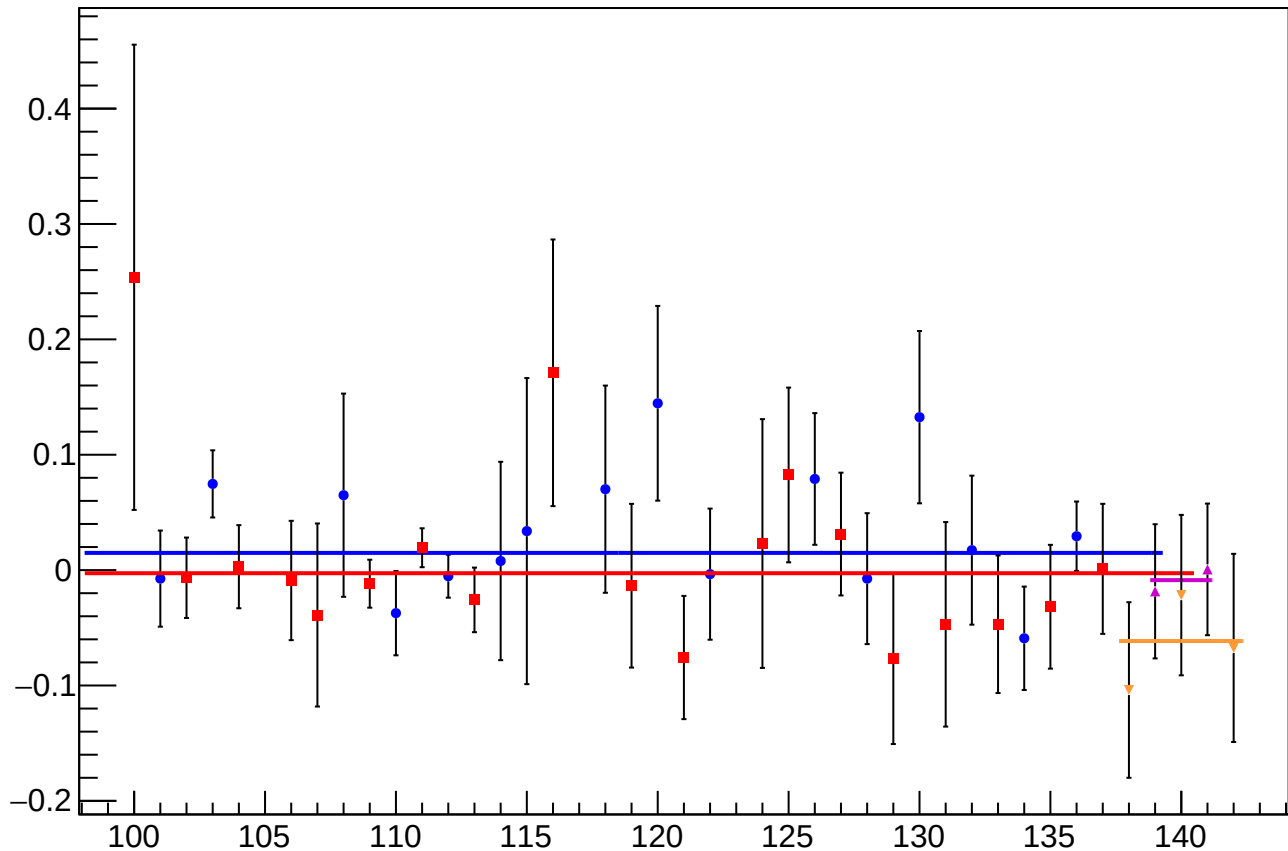
Left In: 0.004+/-0.000 χ^2/NDF : 2495.1/1

+ sign 0.002+/-0.000 χ^2/NDF : 3973877.9/18

All: 0.002+/-0.000 χ^2/NDF : 8436636.5/39

- sign 0.001+/-0.000 χ^2/NDF : 4283985.5/20

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 χ^2/NDF : 17.8/15

Left Out: -0.061 ± 0.043 χ^2/NDF : 0.6/2

Right Out: -0.003 ± 0.009 χ^2/NDF : 12.5/18

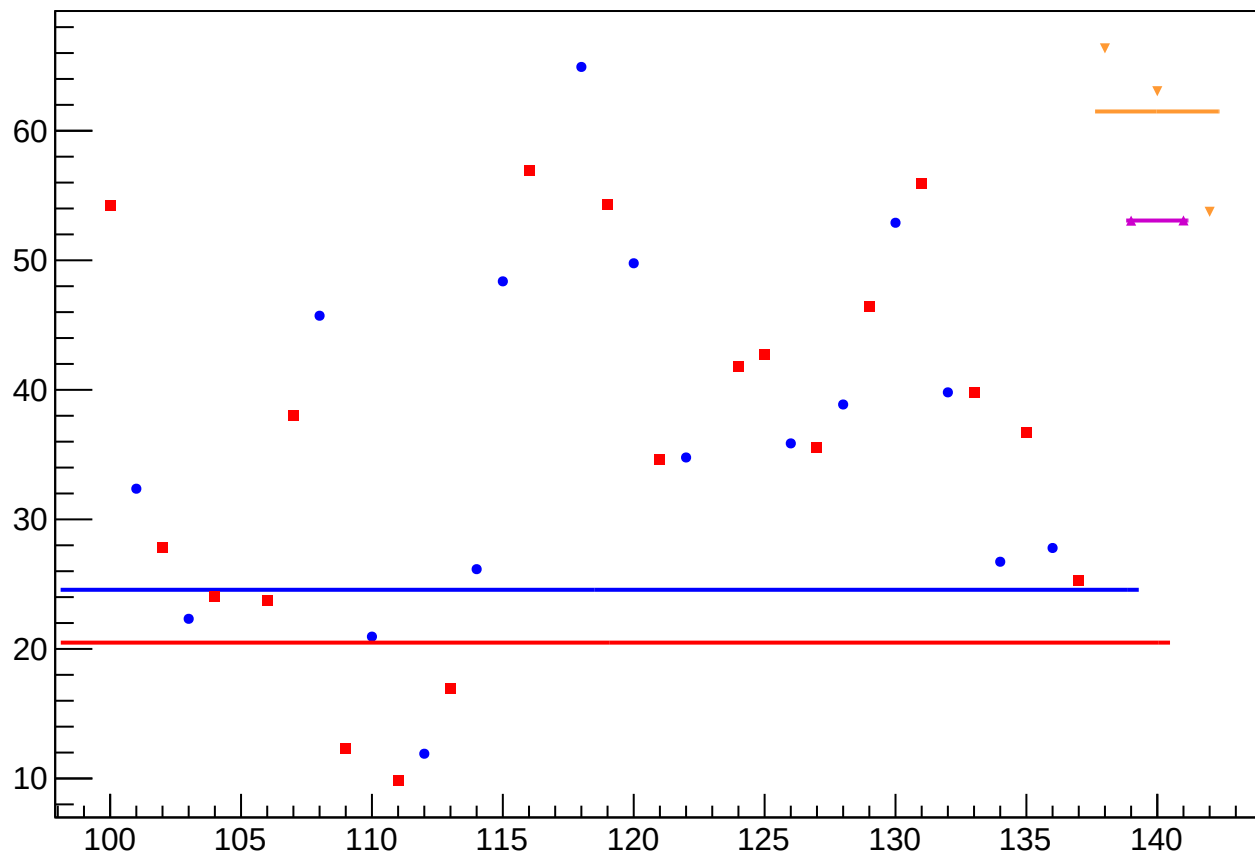
Left In: -0.009 ± 0.041 χ^2/NDF : 0.1/1

+ sign 0.011 ± 0.010 χ^2/NDF : 21.3/18

All: 0.003 ± 0.007 χ^2/NDF : 34.9/39

- sign -0.003 ± 0.009 χ^2/NDF : 12.5/20

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: 61.489 $\pm$ 0.031 χ^2/NDF : 27243.6/2

Right Out: 20.487 $\pm$ 0.007 χ^2/NDF : 3583888.1/18

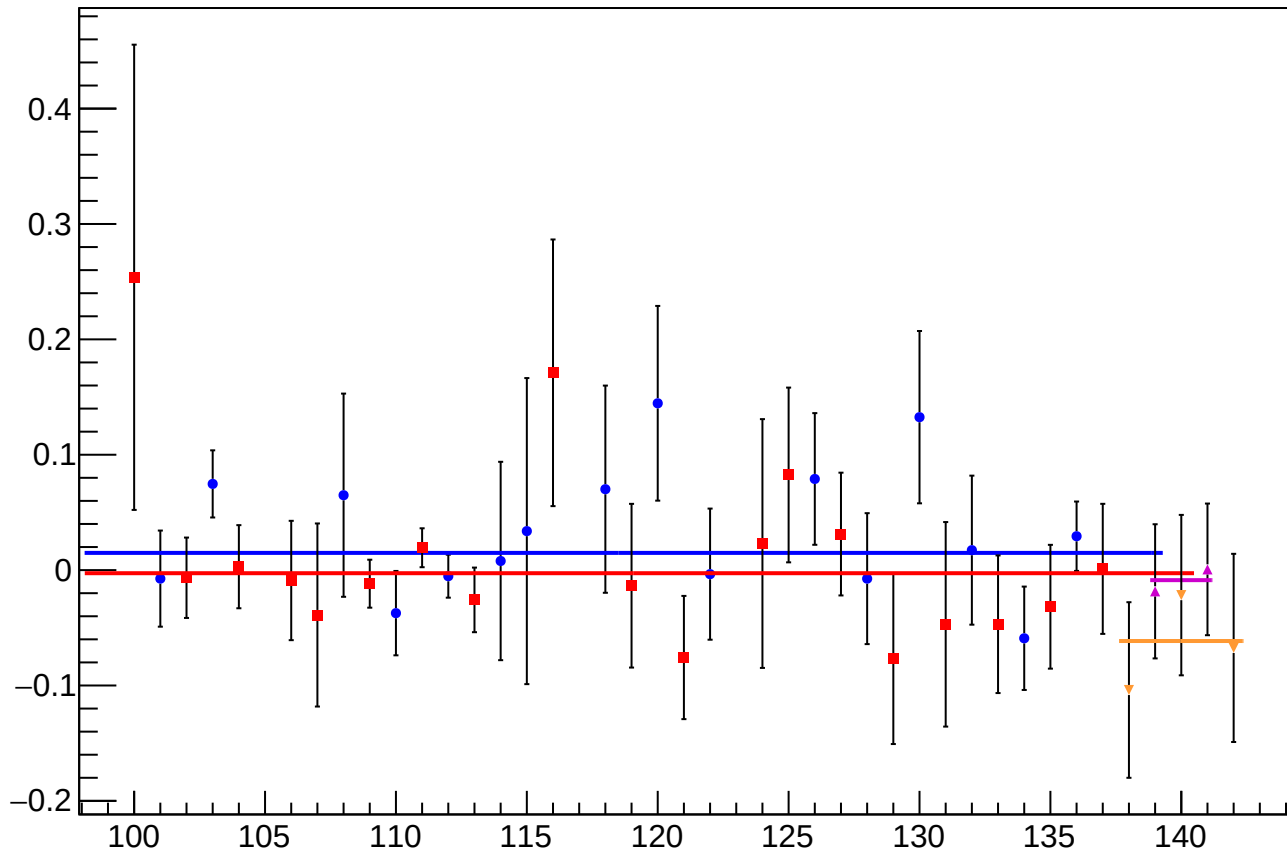
Left In: 53.070 $\pm$ 0.029 χ^2/NDF : 0.1/1

+ sign 26.636 $\pm$ 0.007 χ^2/NDF : 3875734.7/18

All: 24.054 $\pm$ 0.005 χ^2/NDF : 8899900.7/39

- sign 22.078 $\pm$ 0.006 χ^2/NDF : 4801680.7/20

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.011 χ^2 /NDF: 17.8/15

Left Out: -0.061 $\pm$ 0.043 χ^2 /NDF: 0.6/2

Right Out: -0.003 $\pm$ 0.009 χ^2 /NDF: 12.5/18

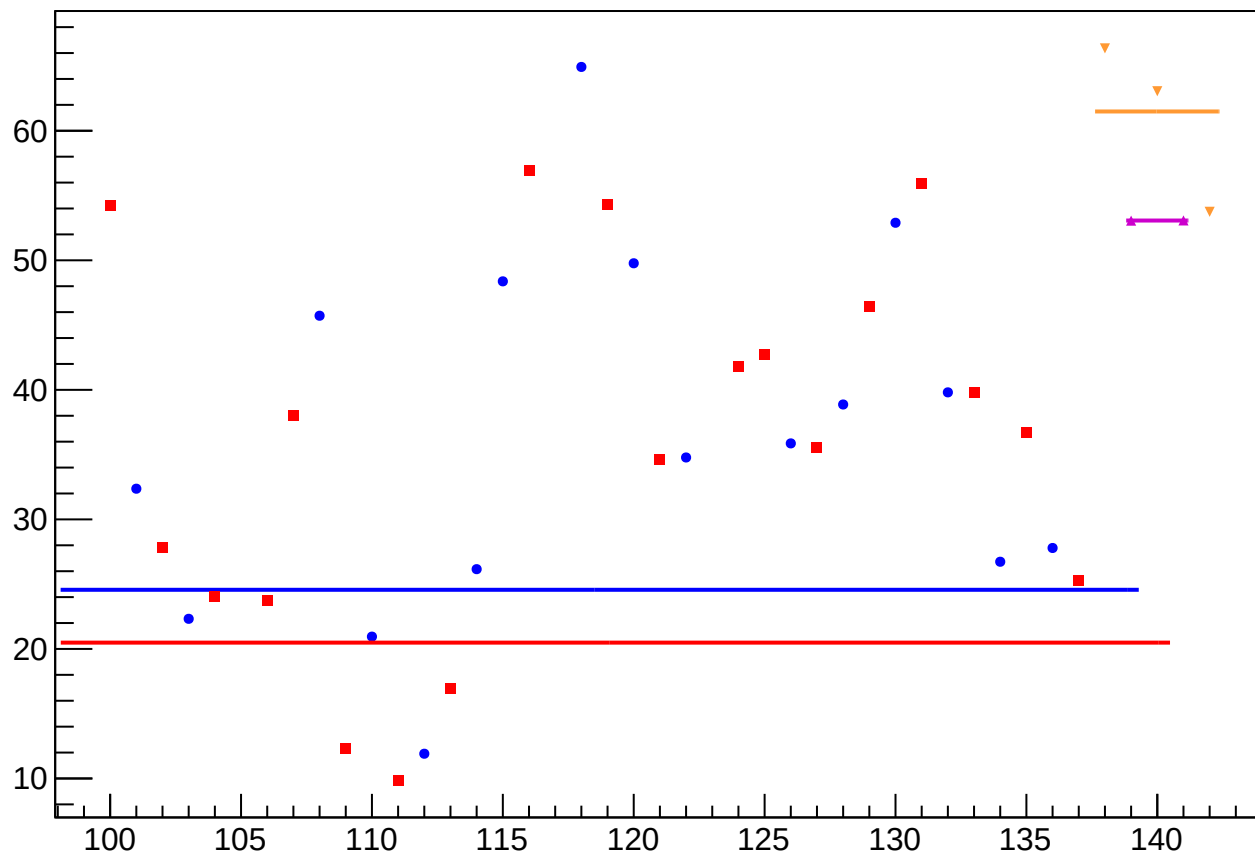
Left In: -0.009 $\pm$ 0.041 χ^2 /NDF: 0.1/1

+ sign 0.011 $\pm$ 0.010 χ^2 /NDF: 21.3/18

All: 0.003 $\pm$ 0.007 χ^2 /NDF: 34.9/39

- sign -0.003 $\pm$ 0.009 χ^2 /NDF: 12.5/20

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: 61.489 $\pm$ 0.031 χ^2 /NDF: 27243.6/2

Right Out: 20.487 $\pm$ 0.007 χ^2 /NDF: 3583888.1/18

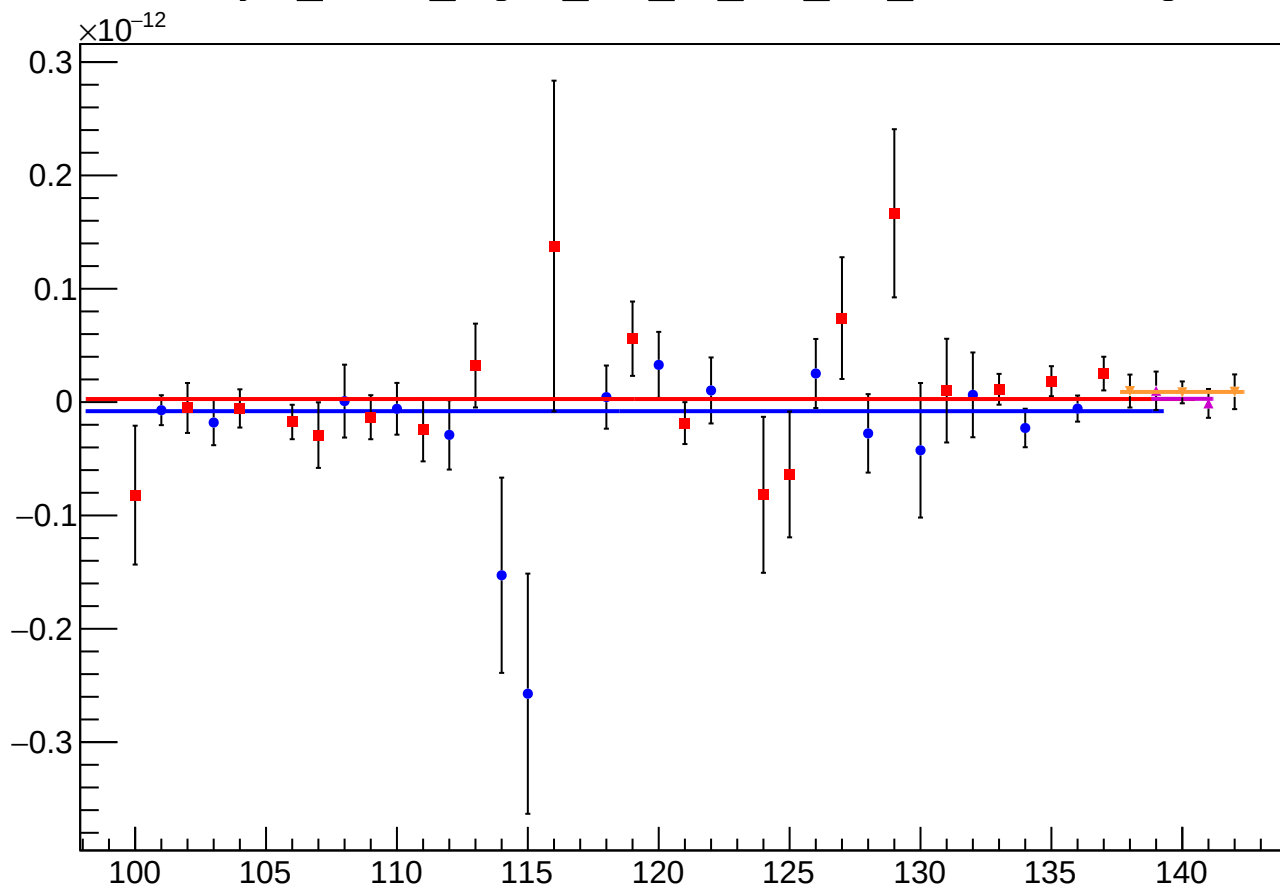
Left In: 53.070 $\pm$ 0.029 χ^2 /NDF: 0.1/1

+ sign 26.636 $\pm$ 0.007 χ^2 /NDF: 3875734.7/18

All: 24.054 $\pm$ 0.005 χ^2 /NDF: 8899900.7/39

- sign 22.078 $\pm$ 0.006 χ^2 /NDF: 4801680.7/20

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.5/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 26.1/18

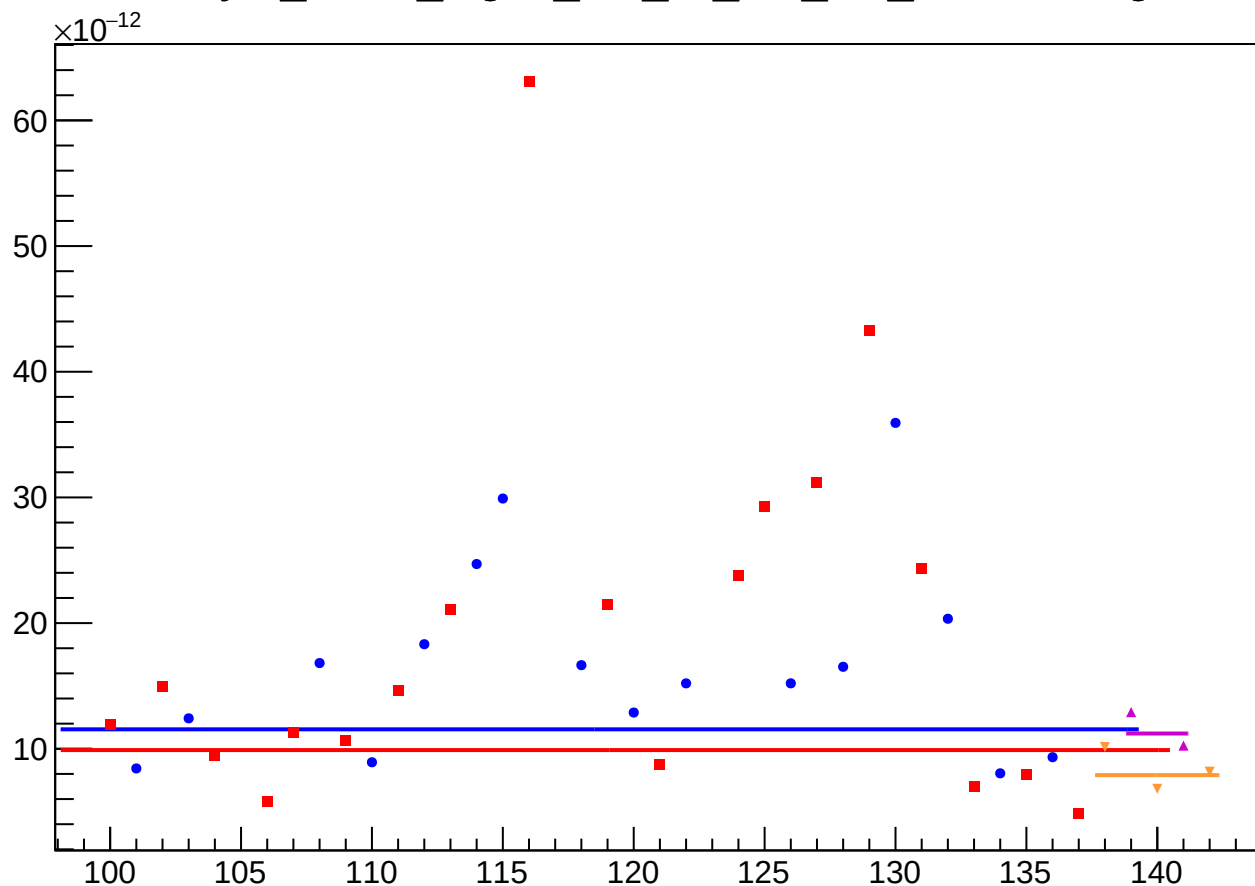
Left In: 0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 18.0/18

All: 0.000 ± 0.000 χ^2/NDF : 44.7/39

- sign 0.000 ± 0.000 χ^2/NDF : 26.4/20

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 : 73479.2/2

Right Out: 0.000 +/- 0.000 χ^2/NDF : 2635766.2/18

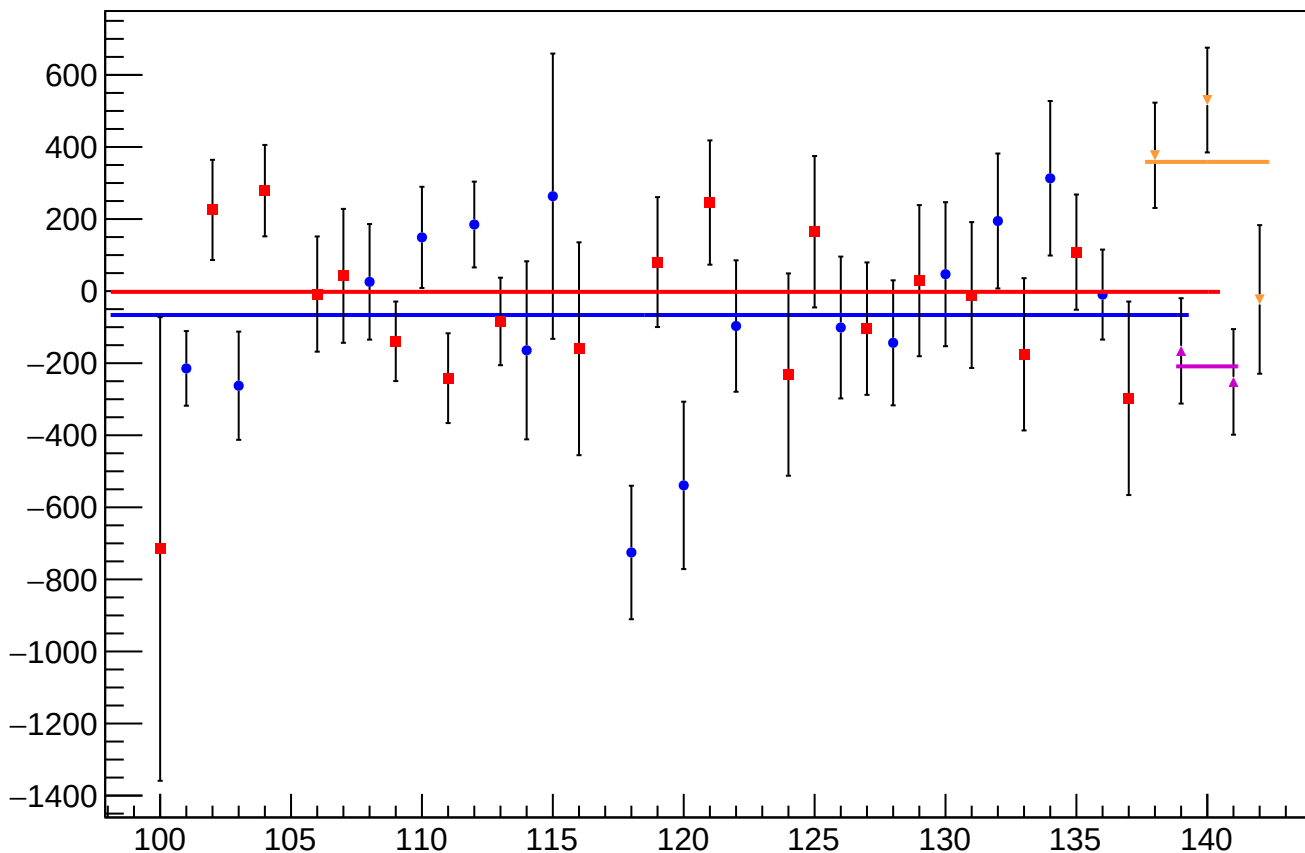
Left In: 0.000 +/- 0.000 χ^2/NDF : 31663.8/1

+ sign 0.000 +/- 0.000 χ^2/NDF : 1568779.9/18

All: 0.000 +/- 0.000 χ^2/NDF : 4262979.2/39

- sign 0.000 +/- 0.000 χ^2/NDF : 2693978.0/20

reg_asym_sam6_mean vs Slug



Right In: -66.230 ± 40.937 χ^2/NDF : 34.4/15

Left Out: 358.648 ± 92.185 χ^2/NDF : 4.8/2

Right Out: -2.017 ± 38.866 χ^2/NDF : 21.1/18

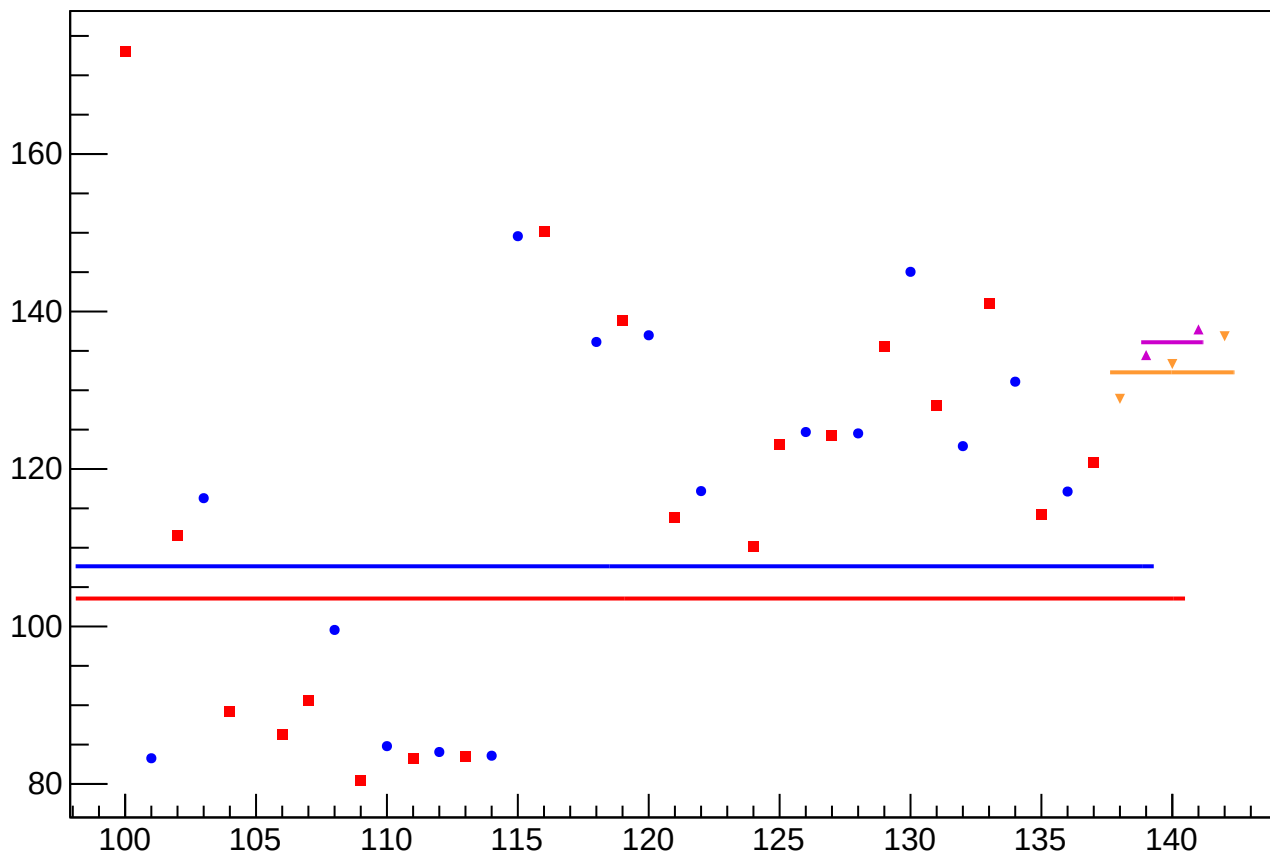
Left In: -208.827 ± 103.488 χ^2/NDF : 0.2/1

+ sign 3.756 ± 37.414 χ^2/NDF : 57.0/18

All: -12.350 ± 26.084 χ^2/NDF : 82.1/39

- sign -27.582 ± 36.385 χ^2/NDF : 24.8/20

reg_asym_sam6_rms vs Slug



Right In: 107.644 $\pm$ 0.029 χ^2 /NDF: 532821.7/15

Left Out: 132.275 $\pm$ 0.065 χ^2 /NDF:2152.6/2

Right Out: 103.550 $\pm$ 0.027 χ^2 /NDF: 617345.0/18

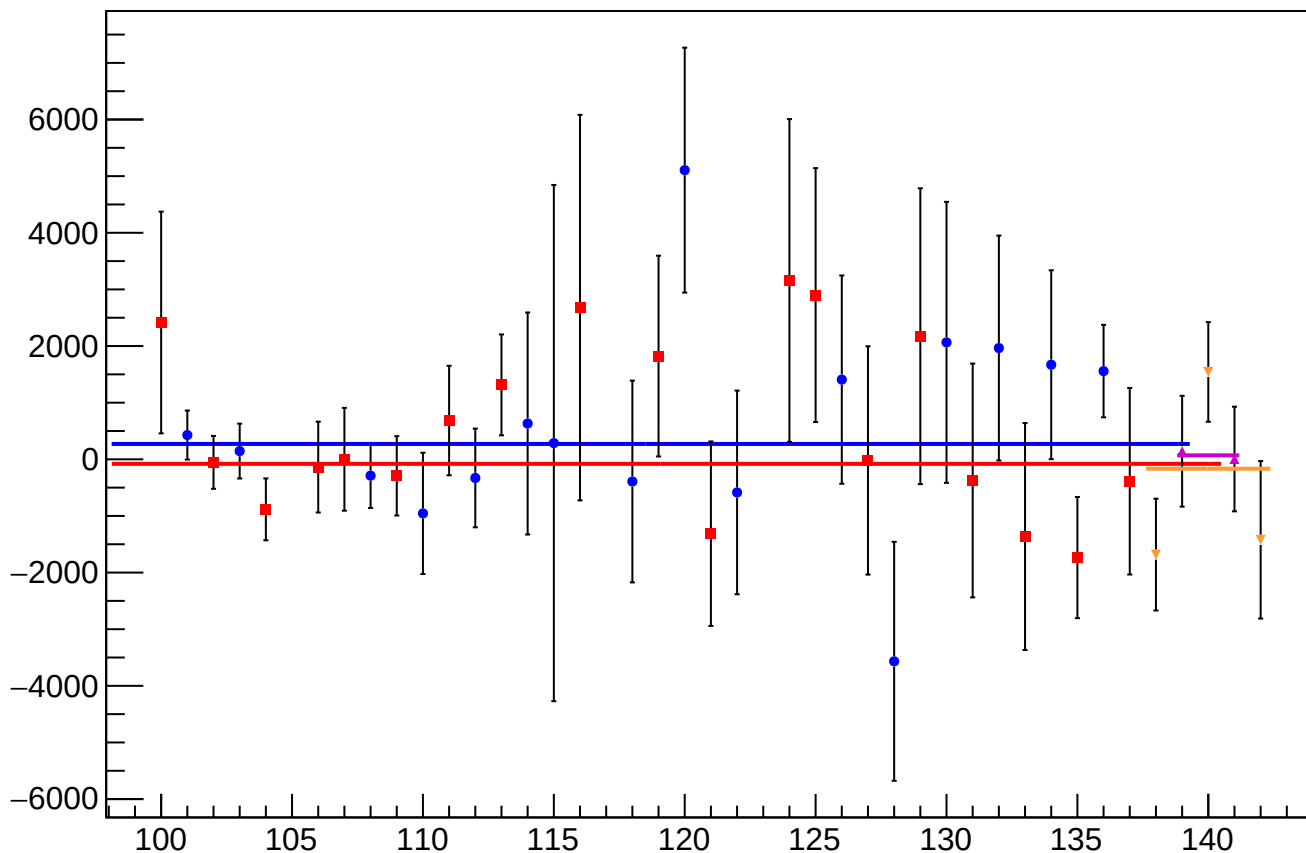
Left In: 136.096 $\pm$ 0.073 χ^2 /NDF:496.2/1

+ sign 111.701 $\pm$ 0.026 χ^2 /NDF: 654240.8/18

All: 109.580 $\pm$ 0.018 χ^2 /NDF: 1457954.8/39

- sign 107.573 $\pm$ 0.026 χ^2 /NDF: 791197.9/20

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505 $\pm$ 230.663 χ^2 /NDF: 16.5/15

Left Out: -165.753 $\pm$ 593.849 χ^2 /NDF: 6.9/2

Right Out: -80.094 $\pm$ 232.154 χ^2 /NDF: 16.0/18

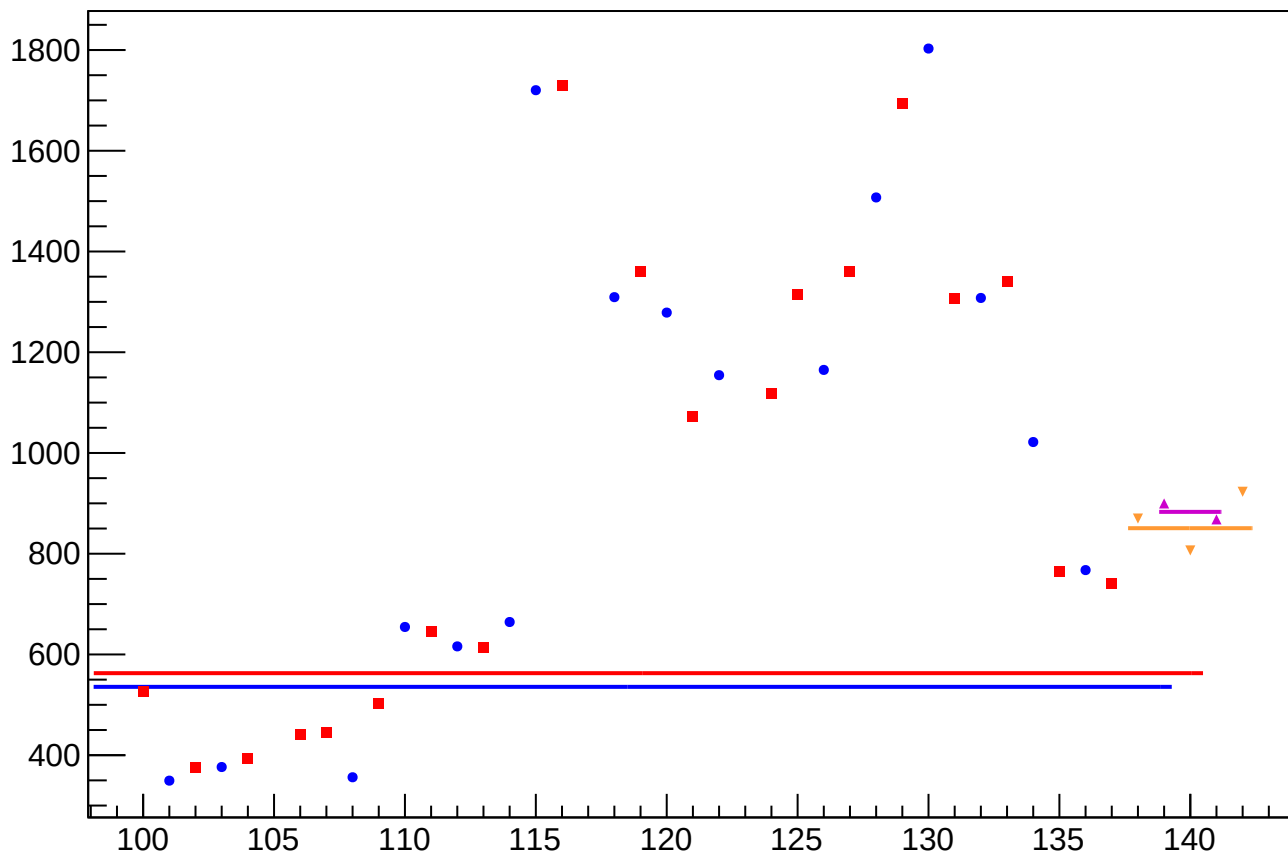
Left In: 70.076 $\pm$ 671.776 χ^2 /NDF: 0.0/1

+ sign 214.184 $\pm$ 215.013 χ^2 /NDF: 23.9/18

All: 77.879 $\pm$ 153.572 χ^2 /NDF: 40.8/39

- sign -64.073 $\pm$ 219.421 χ^2 /NDF: 16.1/20

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683 $\pm$ 0.163 χ^2 /NDF: 3632390.5/15

Left Out: 850.661 $\pm$ 0.420 χ^2 /NDF: 11202.0/2

Right Out: 562.845 $\pm$ 0.164 χ^2 /NDF: 3111031.5/18

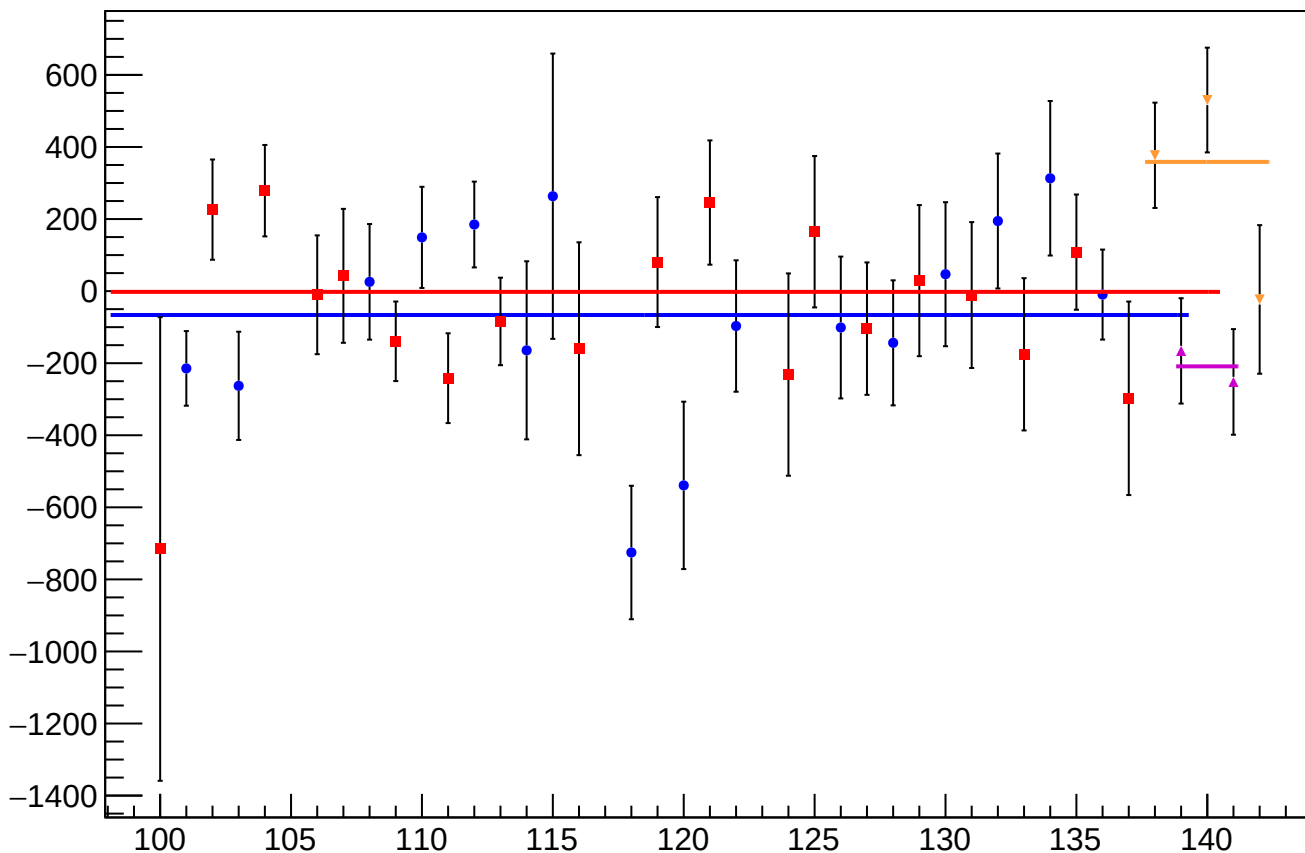
Left In: 883.069 $\pm$ 0.475 χ^2 /NDF: 1105.9/1

+ sign 576.974 $\pm$ 0.152 χ^2 /NDF: 4132483.0/18

All: 586.788 $\pm$ 0.109 χ^2 /NDF: 7659095.5/39

- sign 597.008 $\pm$ 0.155 χ^2 /NDF: 3518106.9/20

cor_asym_sam6_mean vs Slug



Right In: -66.256 ± 40.937 χ^2/NDF : 34.4/15

Left Out: 358.642 ± 92.185 χ^2/NDF : 4.8/2

Right Out: -2.062 ± 38.937 χ^2/NDF : 21.1/18

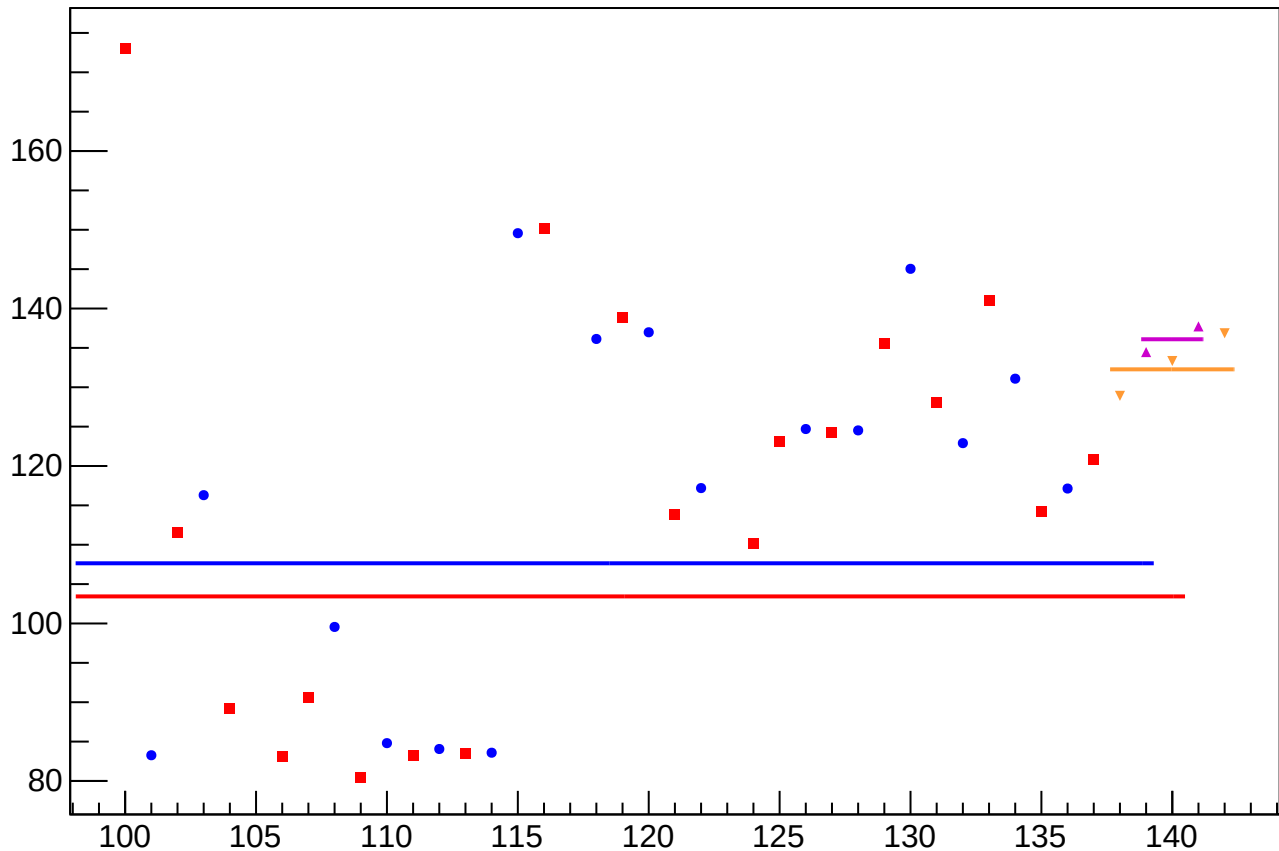
Left In: -208.828 ± 103.488 χ^2/NDF : 0.2/1

+ sign 3.734 ± 37.414 χ^2/NDF : 57.0/18

All: -12.398 ± 26.105 χ^2/NDF : 82.2/39

- sign -27.702 ± 36.442 χ^2/NDF : 24.8/20

cor_asym_sam6_rms vs Slug



Right In: 107.644 $\pm$ 0.029 χ^2 /NDF: 532822.8/15

Left Out: 132.275 $\pm$ 0.065 χ^2 /NDF:2152.6/2

Right Out: 103.438 $\pm$ 0.028 χ^2 /NDF: 624750.2/18

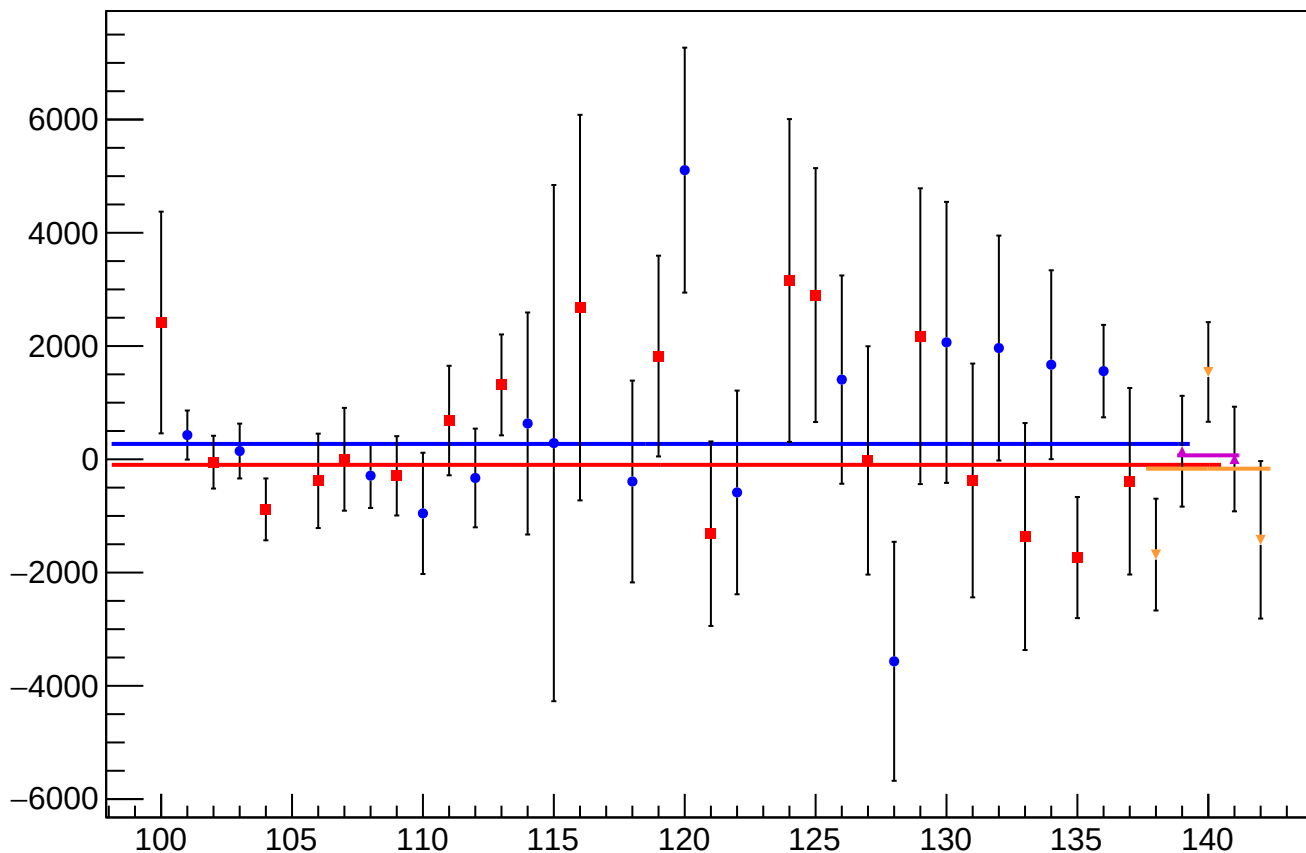
Left In: 136.096 $\pm$ 0.073 χ^2 /NDF:496.2/1

+ sign 111.701 $\pm$ 0.026 χ^2 /NDF: 654241.4/18

All: 109.539 $\pm$ 0.018 χ^2 /NDF: 1466981.9/39

- sign 107.487 $\pm$ 0.026 χ^2 /NDF: 799720.9/20

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645 $\pm$ 230.655 χ^2 /NDF: 16.5/15

Left Out: -165.735 $\pm$ 593.849 χ^2 /NDF: 6.9/2

Right Out: -97.847 $\pm$ 232.781 χ^2 /NDF: 16.1/18

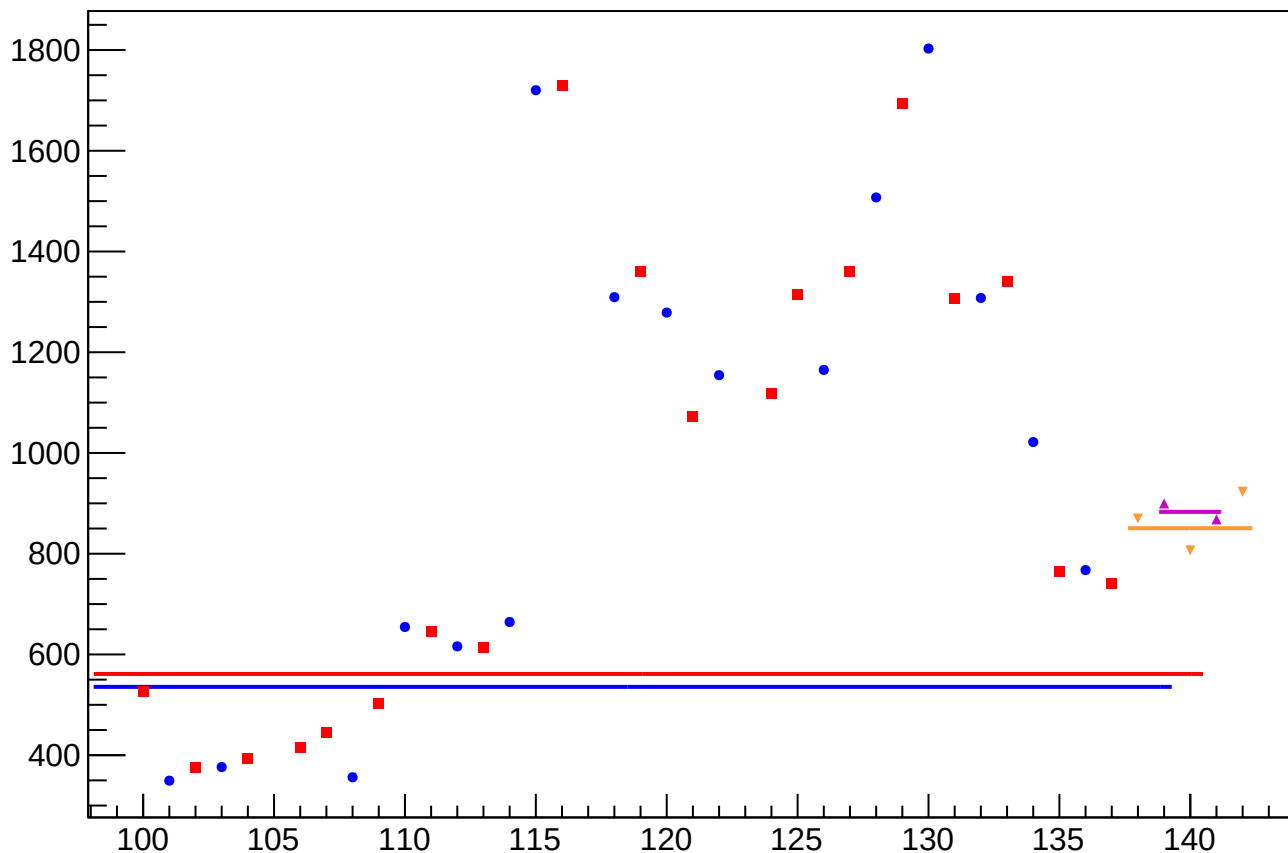
Left In: 70.098 $\pm$ 671.776 χ^2 /NDF: 0.0/1

+ sign 214.311 $\pm$ 215.007 χ^2 /NDF: 23.9/18

All: 70.577 $\pm$ 153.751 χ^2 /NDF: 41.0/39

- sign -79.843 $\pm$ 219.950 χ^2 /NDF: 16.2/20

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF : 3632591.0/15

Left Out: 850.661+/-0.420 χ^2/NDF : 11202.2/2

Right Out: 561.270+/-0.165 χ^2/NDF : 3130760.7/18

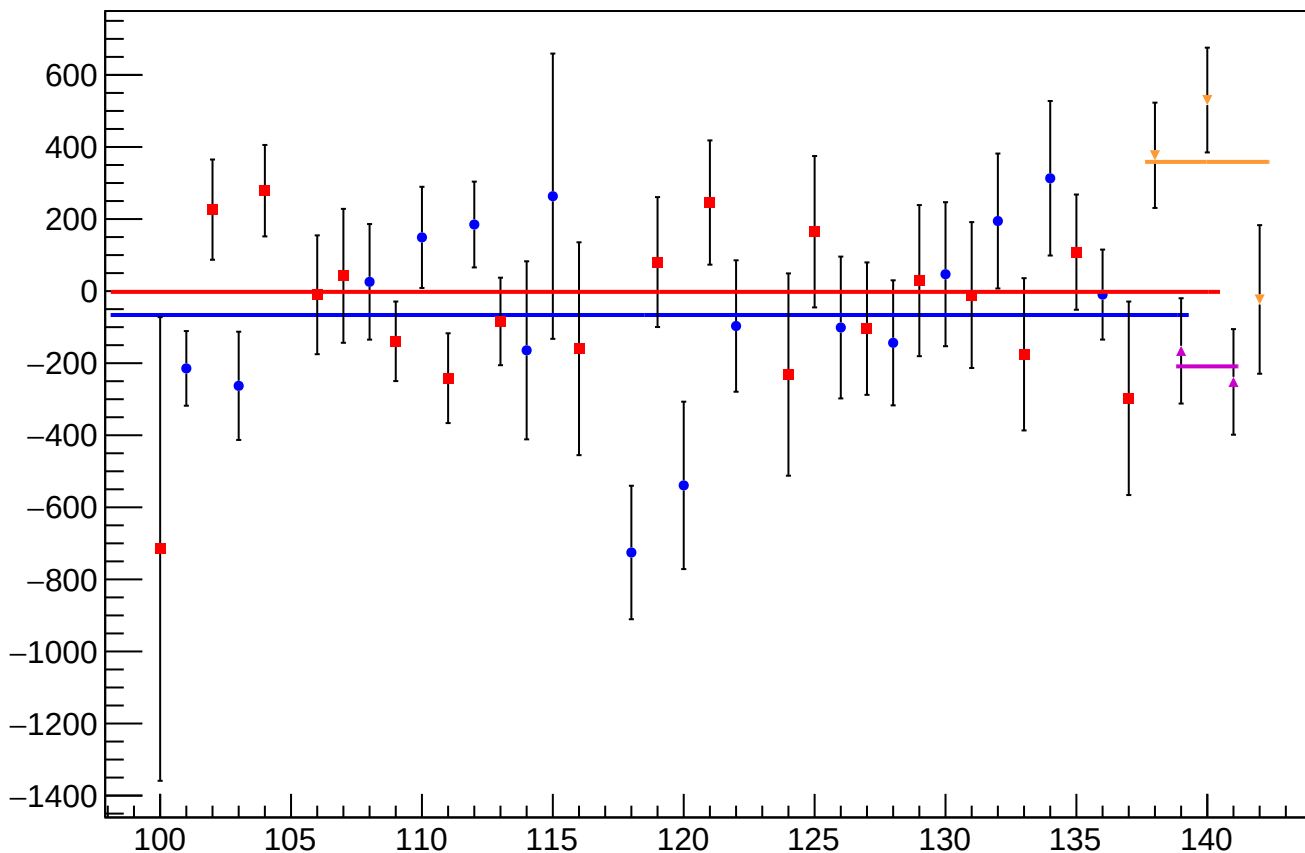
Left In: 883.069+/-0.475 χ^2/NDF : 1106.0/1

+ sign 576.953+/-0.152 χ^2/NDF : 4132754.4/18

All: 586.146+/-0.109 χ^2/NDF : 7681841.2/39

- sign 595.767+/-0.156 χ^2/NDF : 3541604.0/20

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256 ± 40.937 χ^2/NDF : 34.4/15

Left Out: 358.642 ± 92.185 χ^2/NDF : 4.8/2

Right Out: -2.062 ± 38.937 χ^2/NDF : 21.1/18

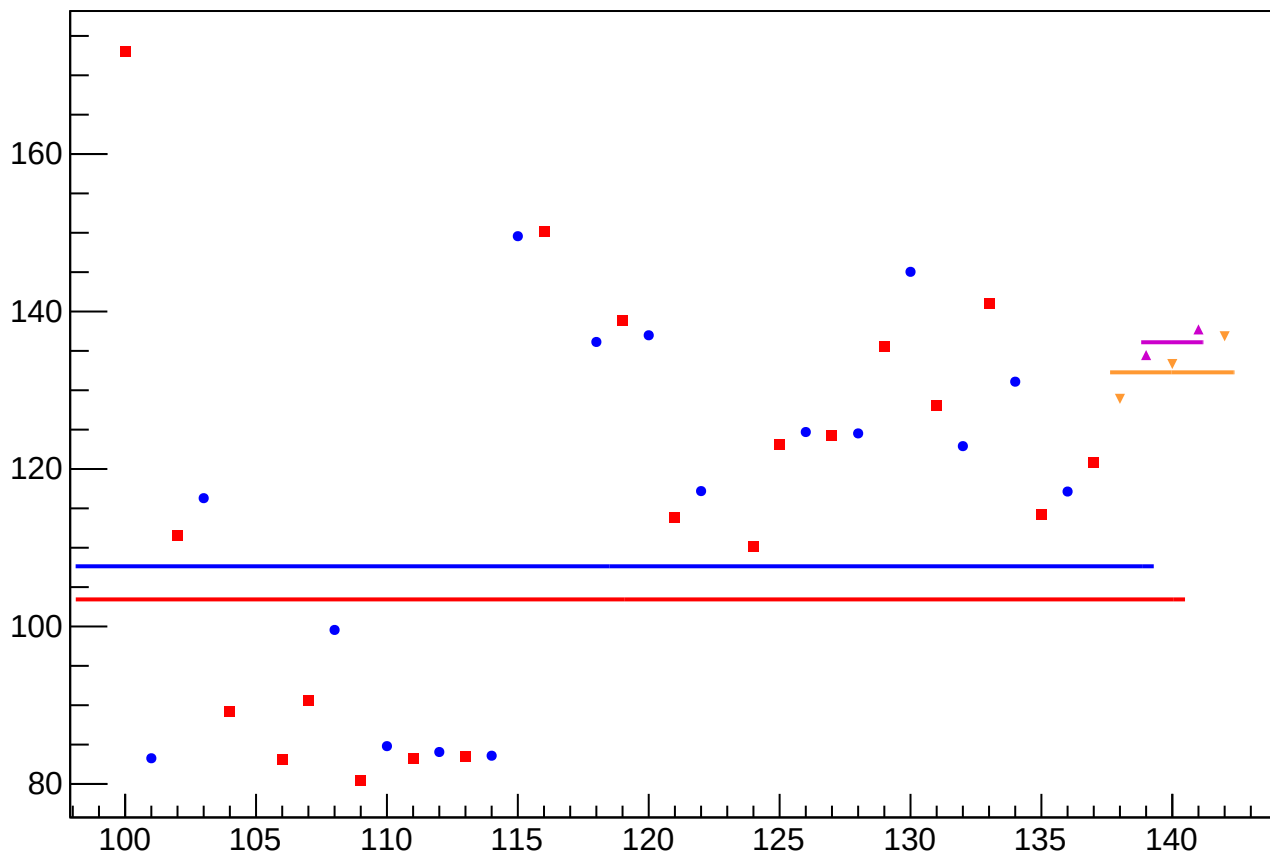
Left In: -208.828 ± 103.488 χ^2/NDF : 0.2/1

+ sign 3.734 ± 37.414 χ^2/NDF : 57.0/18

All: -12.398 ± 26.105 χ^2/NDF : 82.2/39

- sign -27.702 ± 36.442 χ^2/NDF : 24.8/20

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644 $\pm$ 0.029 χ^2 /NDF: 532822.8/15

Left Out: 132.275 $\pm$ 0.065 χ^2 /NDF: 2152.6/2

Right Out: 103.438 $\pm$ 0.028 χ^2 /NDF: 624750.2/18

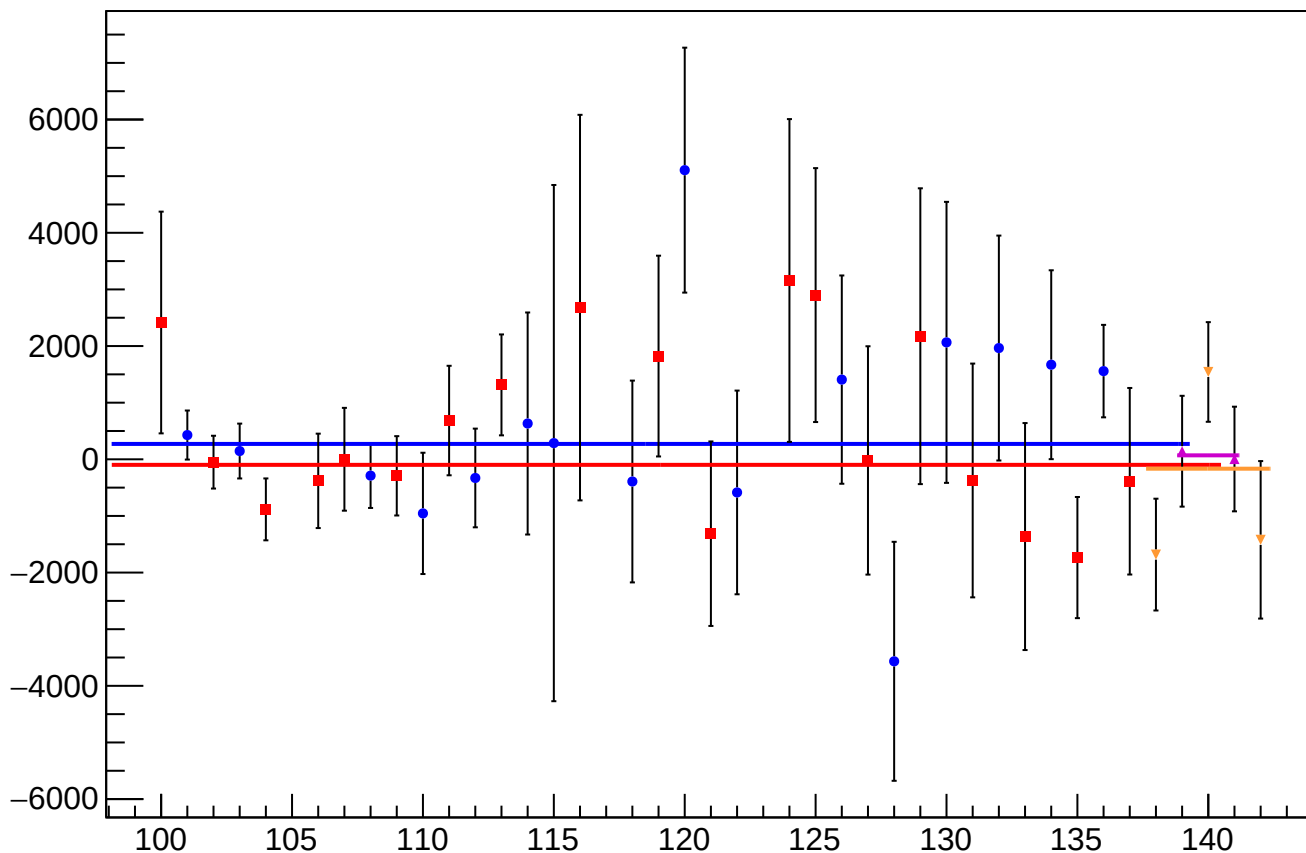
Left In: 136.096 $\pm$ 0.073 χ^2 /NDF: 496.2/1

+ sign 111.701 $\pm$ 0.026 χ^2 /NDF: 654241.4/18

All: 109.539 $\pm$ 0.018 χ^2 /NDF: 1466981.9/39

- sign 107.487 $\pm$ 0.026 χ^2 /NDF: 799720.9/20

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645 $\pm$ 230.655 χ^2 /NDF: 16.5/15

Left Out: -165.735 $\pm$ 593.849 χ^2 /NDF:6.9/2

Right Out: -97.847 $\pm$ 232.781 χ^2 /NDF: 16.1/18

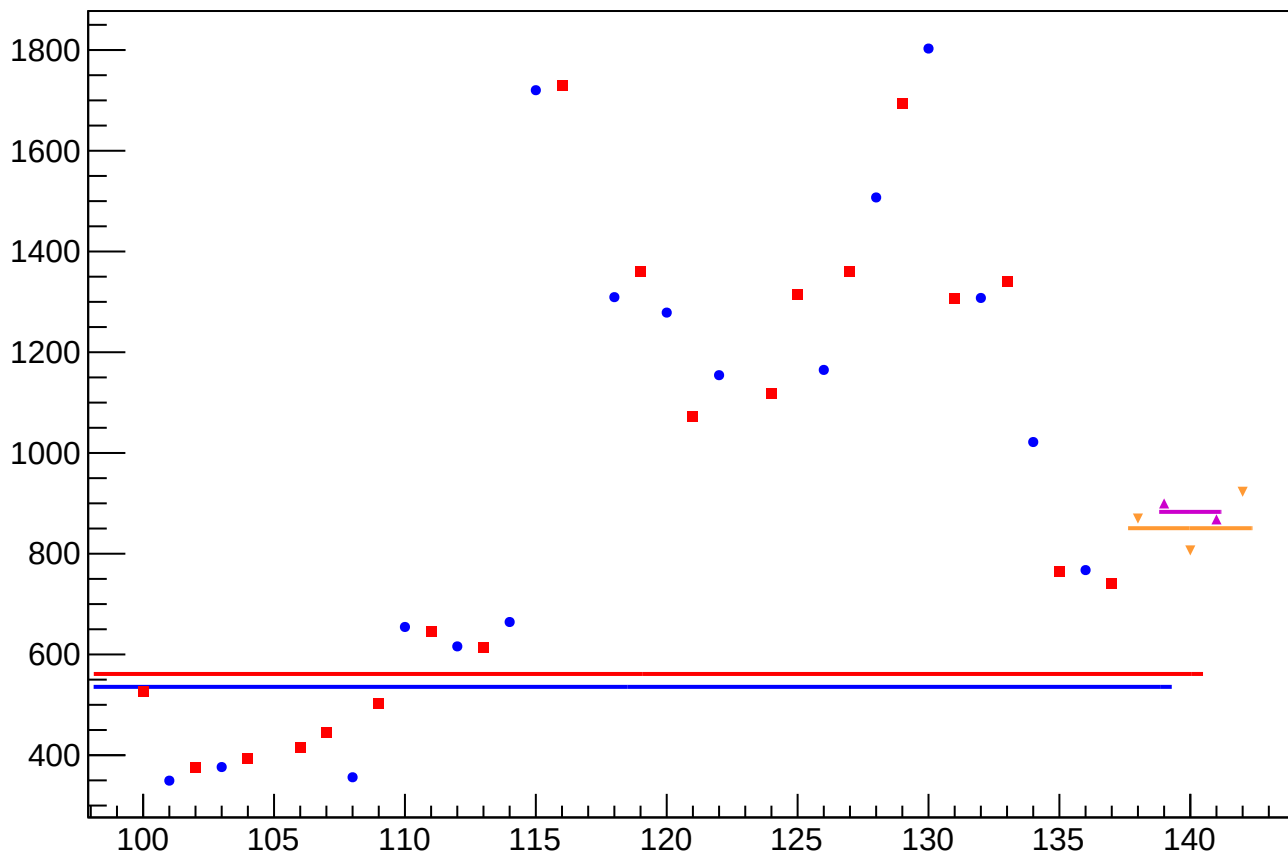
Left In: 70.098 $\pm$ 671.776 χ^2 /NDF:0.0/1

+ sign 214.311 $\pm$ 215.007 χ^2 /NDF: 23.9/18

All: 70.577 $\pm$ 153.751 χ^2 /NDF: 41.0/39

- sign -79.843 $\pm$ 219.950 χ^2 /NDF: 16.2/20

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661 $\pm$ 0.163 χ^2 /NDF: 3632591.0/15

Left Out: 850.661 $\pm$ 0.420 χ^2 /NDF: 11202.2/2

Right Out: 561.270 $\pm$ 0.165 χ^2 /NDF: 3130760.7/18

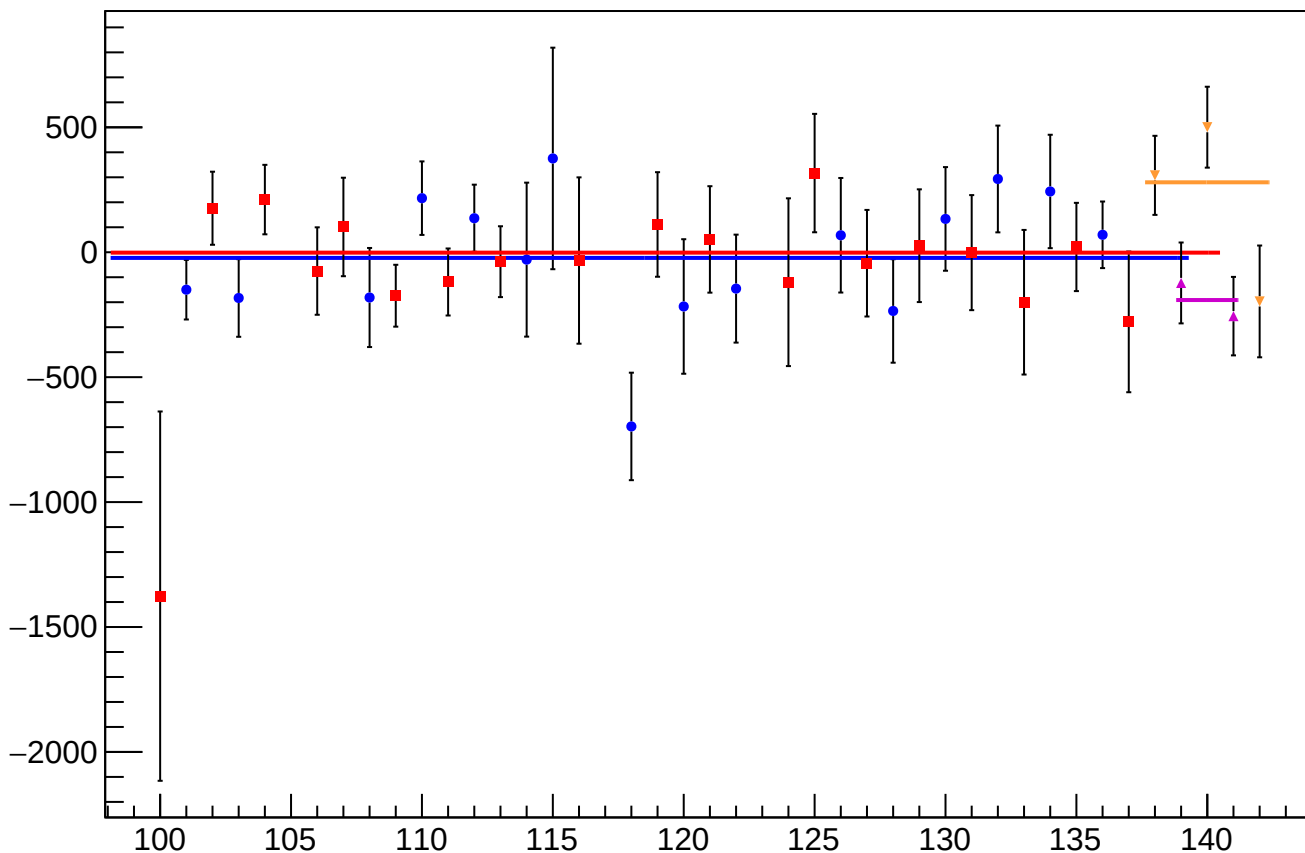
Left In: 883.069 $\pm$ 0.475 χ^2 /NDF: 1106.0/1

+ sign 576.953 $\pm$ 0.152 χ^2 /NDF: 4132754.4/18

All: 586.146 $\pm$ 0.109 χ^2 /NDF: 7681841.2/39

- sign 595.767 $\pm$ 0.156 χ^2 /NDF: 3541604.0/20

dit_asym_sam6_mean vs Slug



Right In: -22.678 ± 45.908 χ^2/NDF : 24.2/15

Left Out: 279.901 ± 100.979 χ^2/NDF : 6.4/2

Right Out: -1.600 ± 43.563 χ^2/NDF : 14.3/18

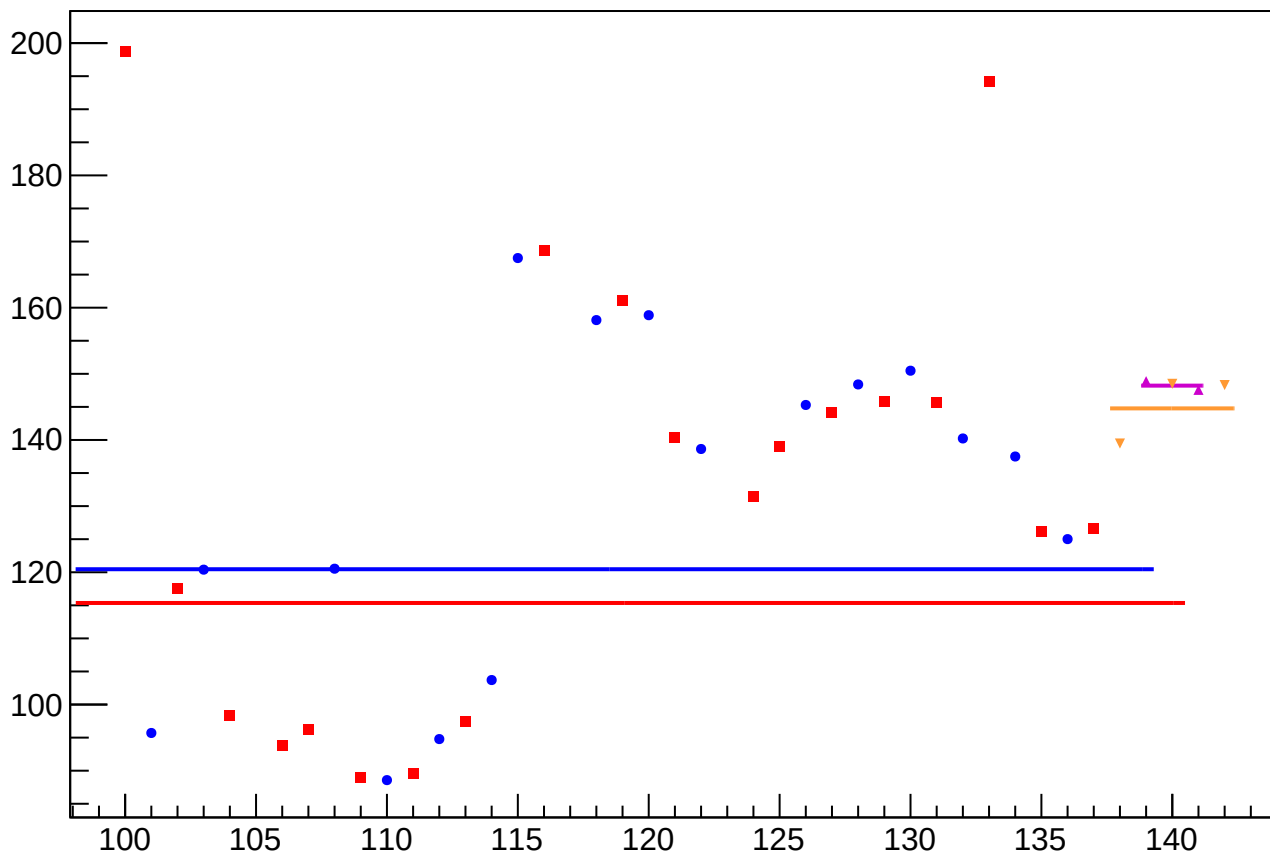
Left In: -191.303 ± 112.719 χ^2/NDF : 0.3/1

+ sign 29.150 ± 41.792 χ^2/NDF : 38.1/18

All: 0.671 ± 29.133 χ^2/NDF : 56.1/39

- sign -26.252 ± 40.634 χ^2/NDF : 17.1/20

dit_asym_sam6_rms vs Slug



Right In: 120.458 $\pm$ 0.032 χ^2 /NDF: 530331.6/15

Left Out: 144.774 $\pm$ 0.071 χ^2 /NDF:3803.0/2

Right Out: 115.357 $\pm$ 0.031 χ^2 /NDF: 767236.0/18

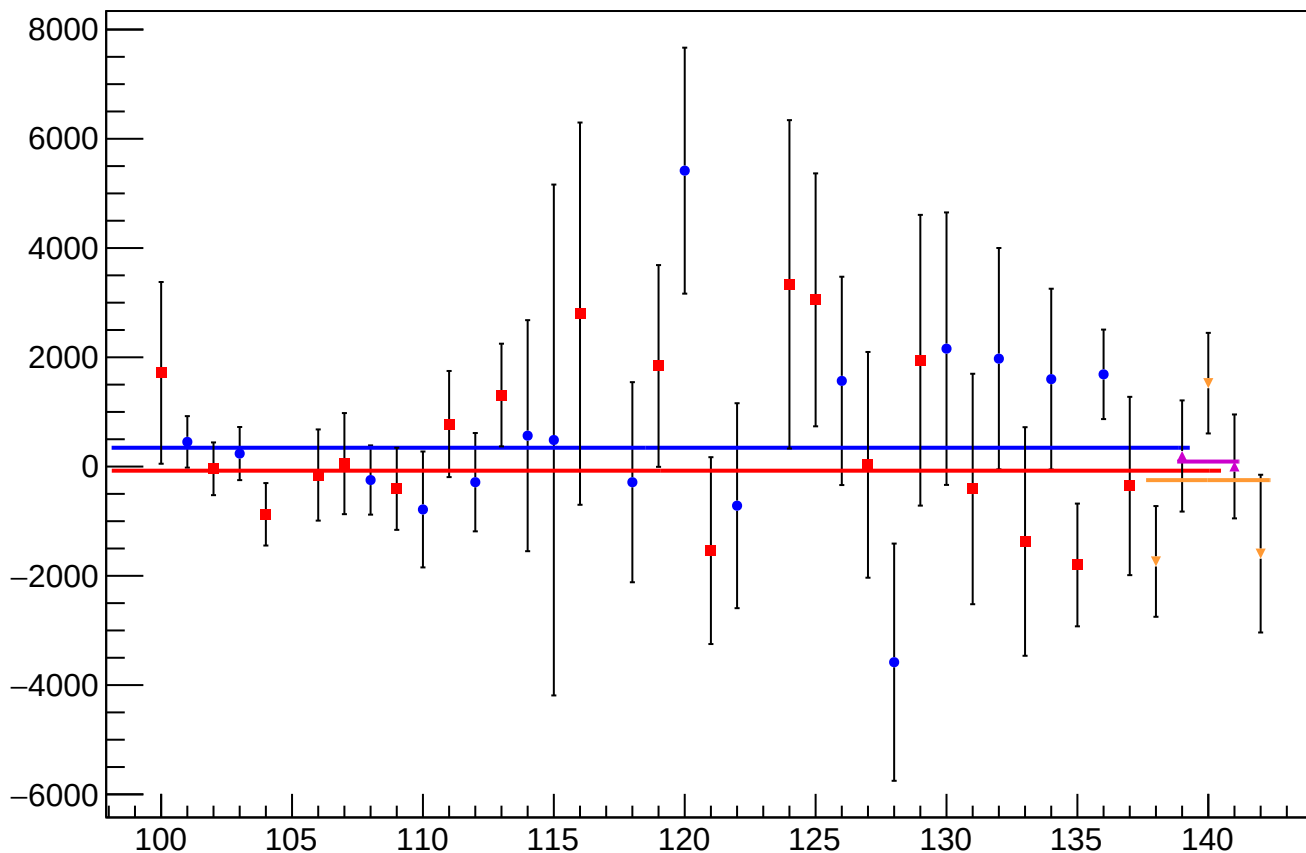
Left In: 148.215 $\pm$ 0.080 χ^2 /NDF:67.7/1

+ sign 124.623 $\pm$ 0.030 χ^2 /NDF: 630241.3/18

All: 122.055 $\pm$ 0.021 χ^2 /NDF: 1560104.3/39

- sign 119.627 $\pm$ 0.029 χ^2 /NDF: 915168.4/20

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437 ± 241.532 χ^2/NDF : 16.2/15

Left Out: -248.303 ± 616.234 χ^2/NDF : 6.7/2

Right Out: -75.434 ± 240.479 χ^2/NDF : 15.3/18

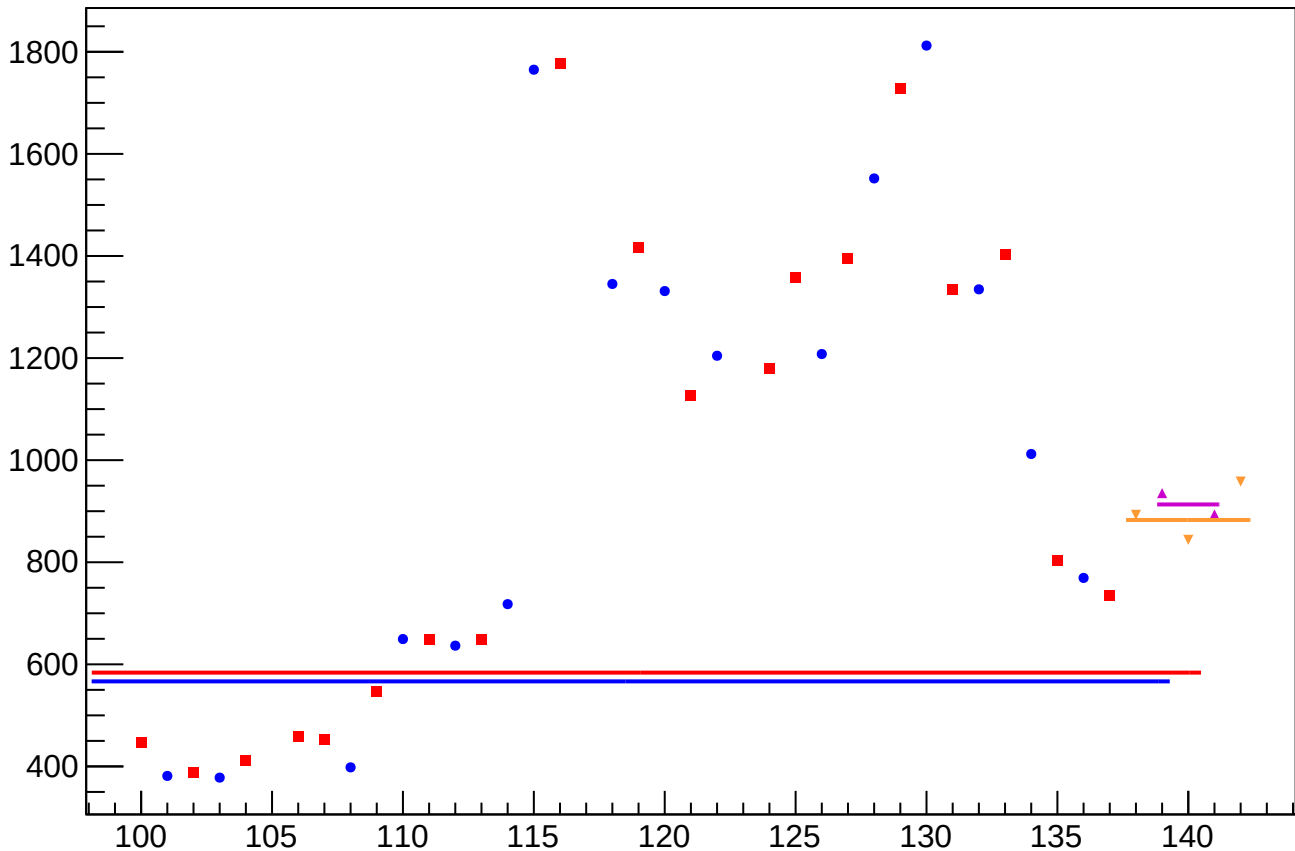
Left In: 91.631 ± 694.869 χ^2/NDF : 0.0/1

+ sign 265.504 ± 224.876 χ^2/NDF : 23.8/18

All: 105.670 ± 159.846 χ^2/NDF : 40.1/39

- sign -57.565 ± 227.255 χ^2/NDF : 15.3/20

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603 $\pm$ 0.171 χ^2/NDF : 3432440.2/15

Left Out: 882.811 $\pm$ 0.436 χ^2/NDF : 9200.5/2

Right Out: 583.794 $\pm$ 0.170 χ^2/NDF : 3107513.6/18

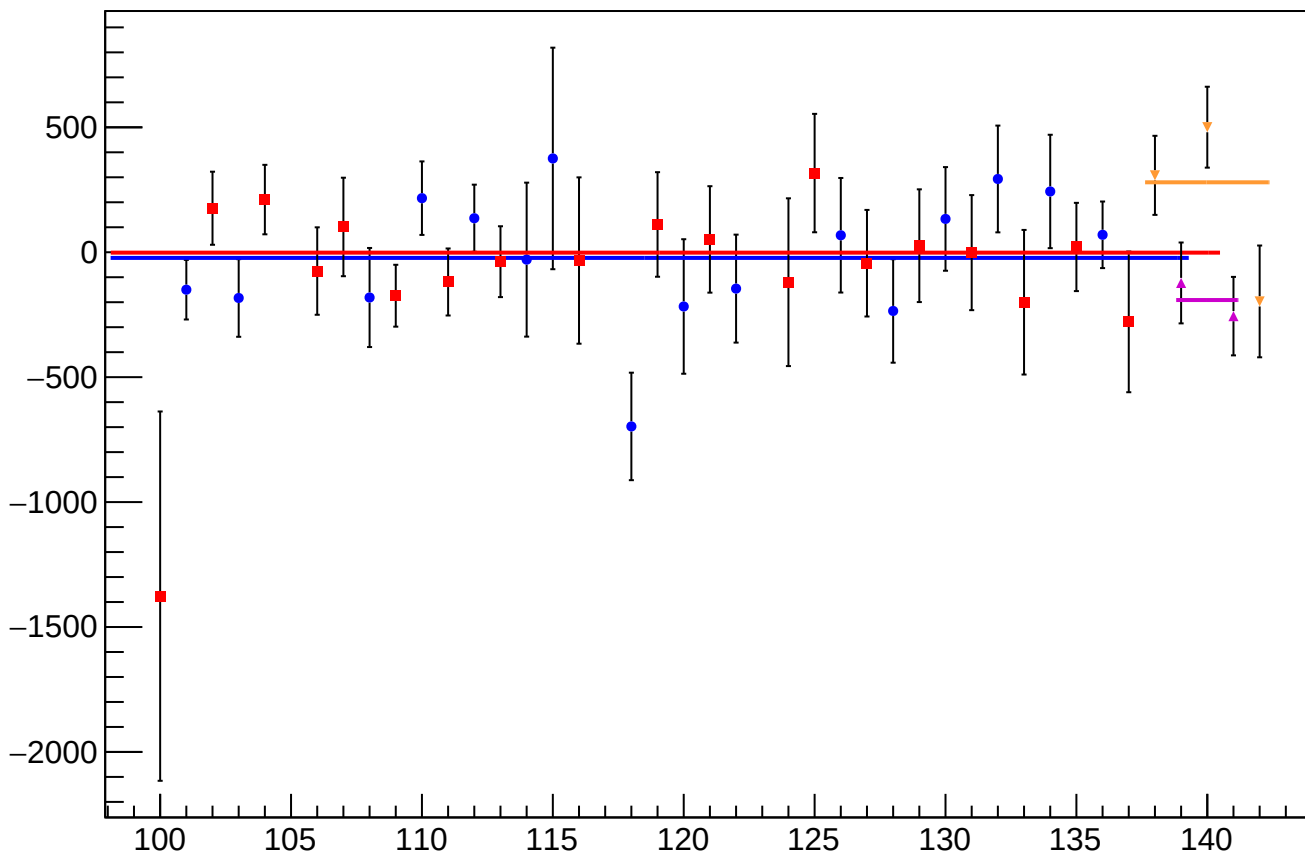
Left In: 913.243 $\pm$ 0.491 χ^2/NDF : 1787.5/1

+ sign 608.711 $\pm$ 0.159 χ^2/NDF : 3898117.7/18

All: 613.817 $\pm$ 0.113 χ^2/NDF : 7410990.5/39

- sign 619.032 $\pm$ 0.161 χ^2/NDF : 3510788.7/20

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680 ± 45.908 χ^2/NDF : 24.2/15

Left Out: 279.903 ± 100.979 χ^2/NDF : 6.4/2

Right Out: -1.601 ± 43.563 χ^2/NDF : 14.3/18

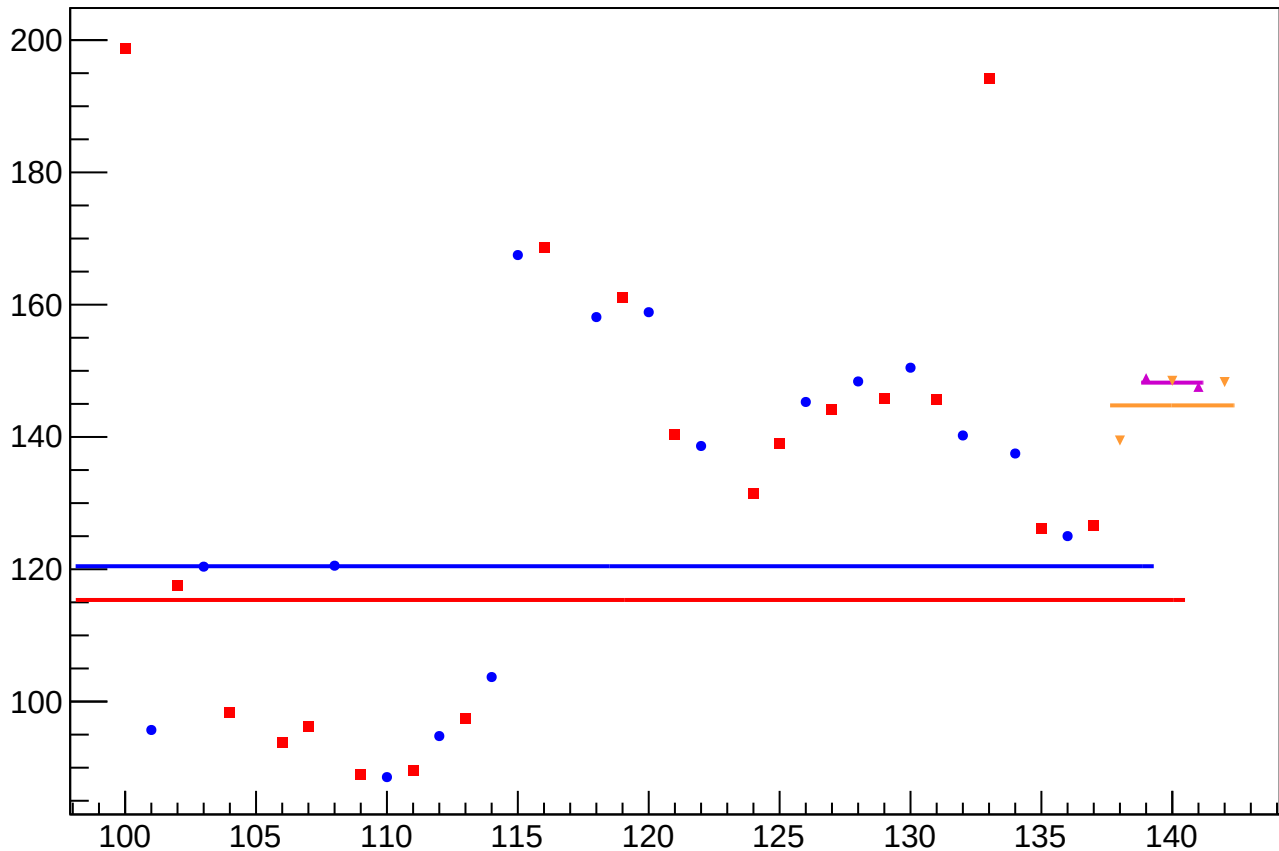
Left In: -191.301 ± 112.719 χ^2/NDF : 0.3/1

+ sign 29.149 ± 41.792 χ^2/NDF : 38.1/18

All: 0.670 ± 29.133 χ^2/NDF : 56.1/39

- sign -26.253 ± 40.634 χ^2/NDF : 17.1/20

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458 $\pm$ 0.032 χ^2/NDF : 530335.0/15

Left Out: 144.774 $\pm$ 0.071 χ^2/NDF : 3802.7/2

Right Out: 115.357 $\pm$ 0.031 χ^2/NDF : 767234.8/18

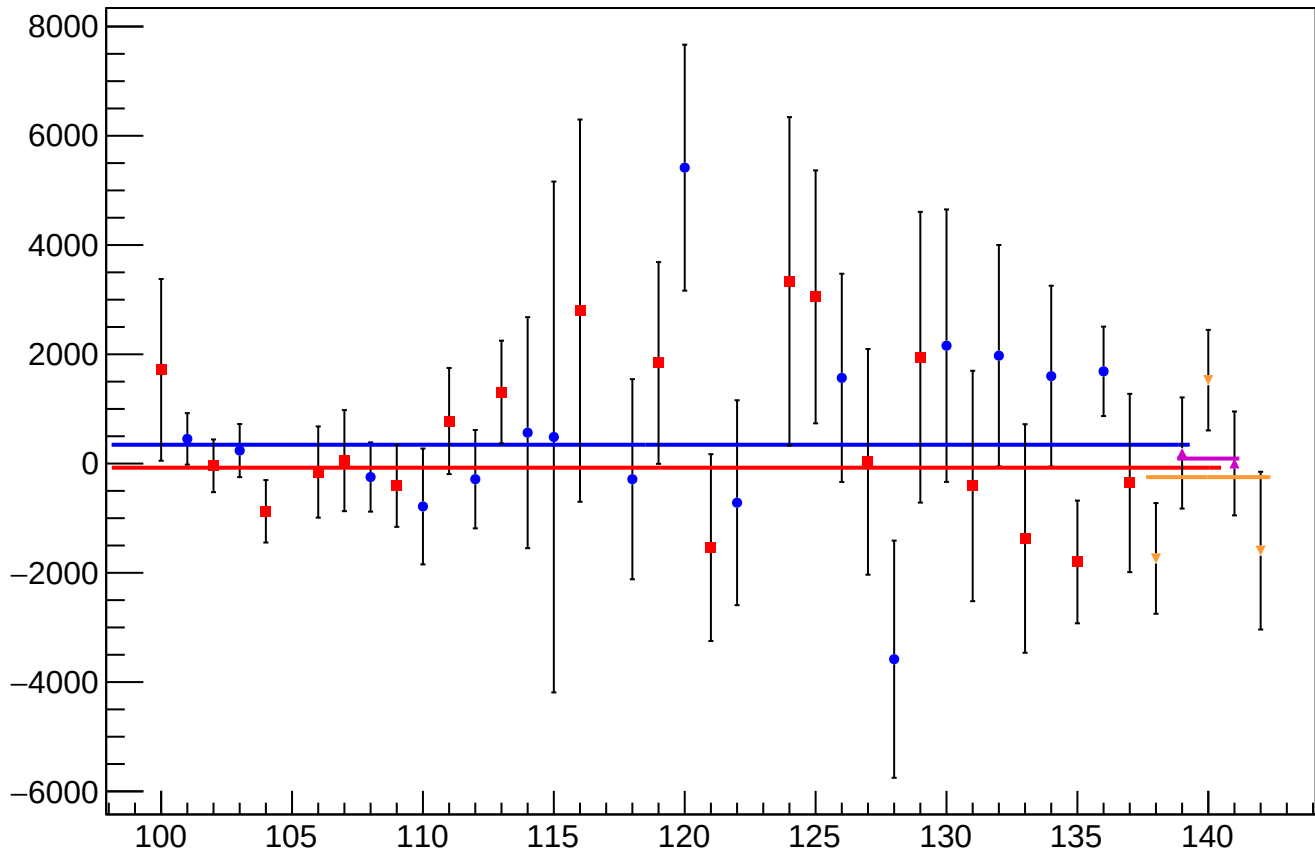
Left In: 148.215 $\pm$ 0.080 χ^2/NDF : 67.7/1

+ sign 124.623 $\pm$ 0.030 χ^2/NDF : 630245.7/18

All: 122.055 $\pm$ 0.021 χ^2/NDF : 1560107.6/39

- sign 119.627 $\pm$ 0.029 χ^2/NDF : 915167.6/20

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436 ± 241.531 $\chi^2/\text{NDF}: 16.2/15$

Left Out: -248.298 ± 616.234 $\chi^2/\text{NDF}: 6.7/2$

Right Out: -75.435 ± 240.479 $\chi^2/\text{NDF}: 15.3/18$

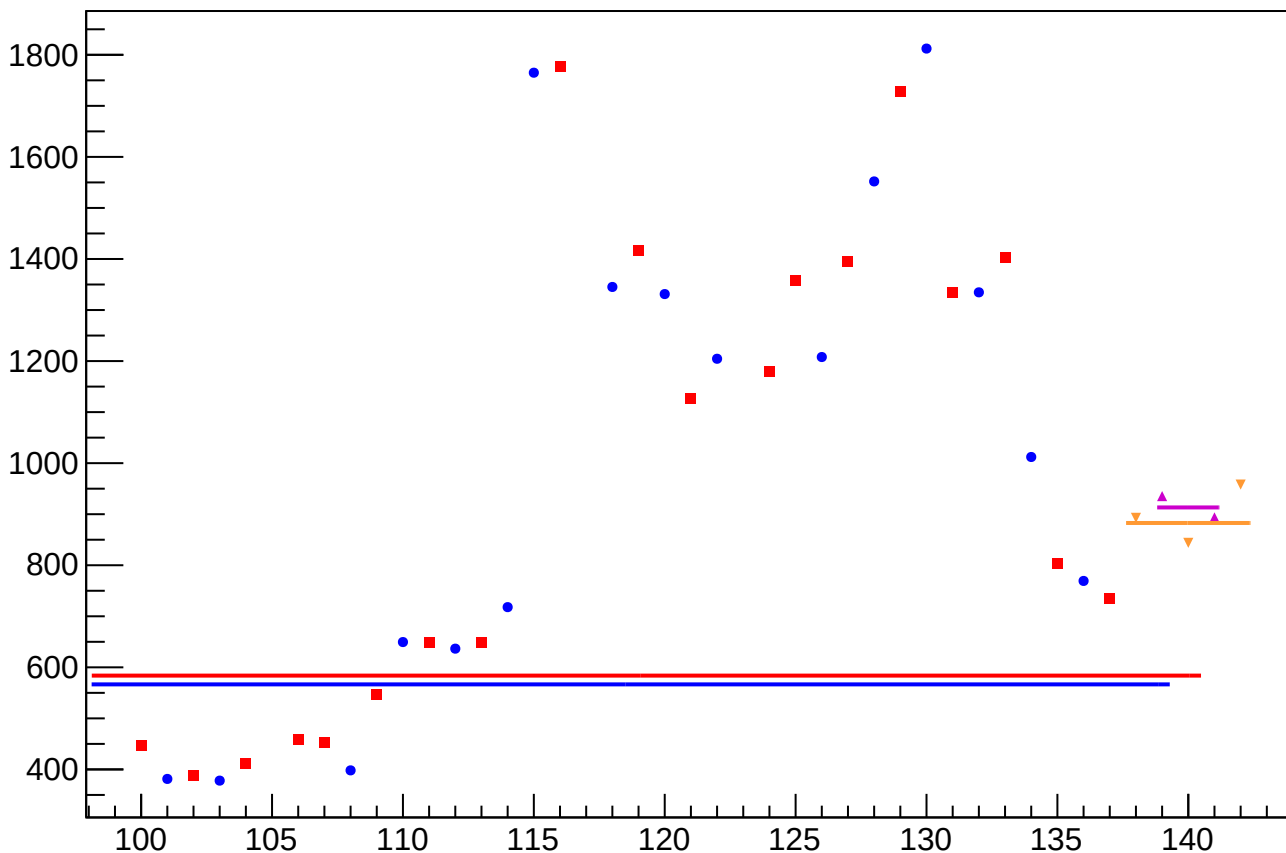
Left In: 91.632 ± 694.868 $\chi^2/\text{NDF}: 0.0/1$

+ sign 265.504 ± 224.875 $\chi^2/\text{NDF}: 23.8/18$

All: 105.669 ± 159.845 $\chi^2/\text{NDF}: 40.1/39$

- sign -57.566 ± 227.255 $\chi^2/\text{NDF}: 15.3/20$

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF : 3432444.7/15

Left Out: 882.810+/-0.436 χ^2/NDF : 9200.9/2

Right Out: 583.794+/-0.170 χ^2/NDF : 3107513.8/18

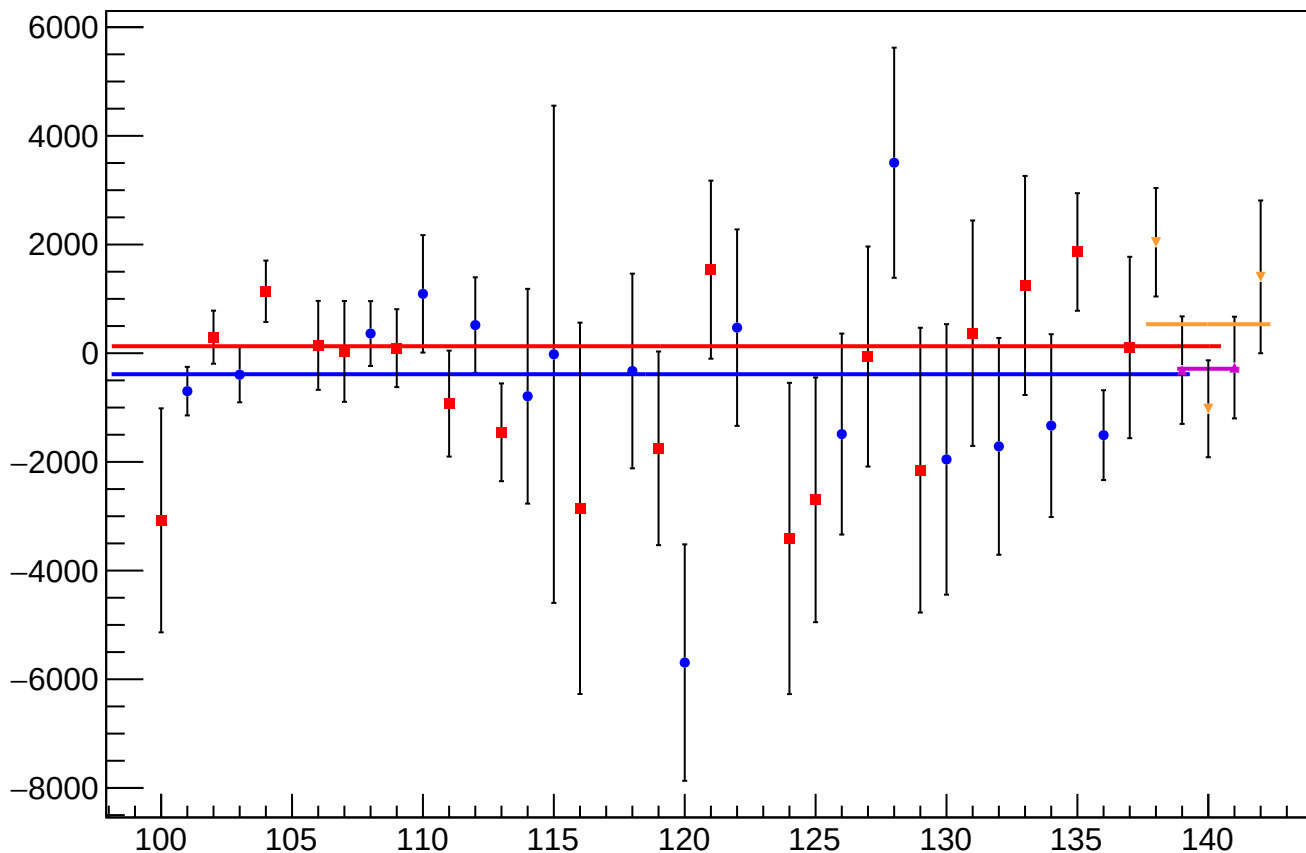
Left In: 913.242+/-0.491 χ^2/NDF : 1787.7/1

+ sign 608.711+/-0.159 χ^2/NDF : 3898123.4/18

All: 613.817+/-0.113 χ^2/NDF : 7410996.1/39

- sign 619.031+/-0.161 χ^2/NDF : 3510788.6/20

asym_sam6_mean vs Slug



Right In: -386.522 ± 237.525 χ^2/NDF : 17.9/15

Left Out: 533.480 ± 601.113 χ^2/NDF : 5.7/2

Right Out: 128.583 ± 238.241 χ^2/NDF : 19.4/18

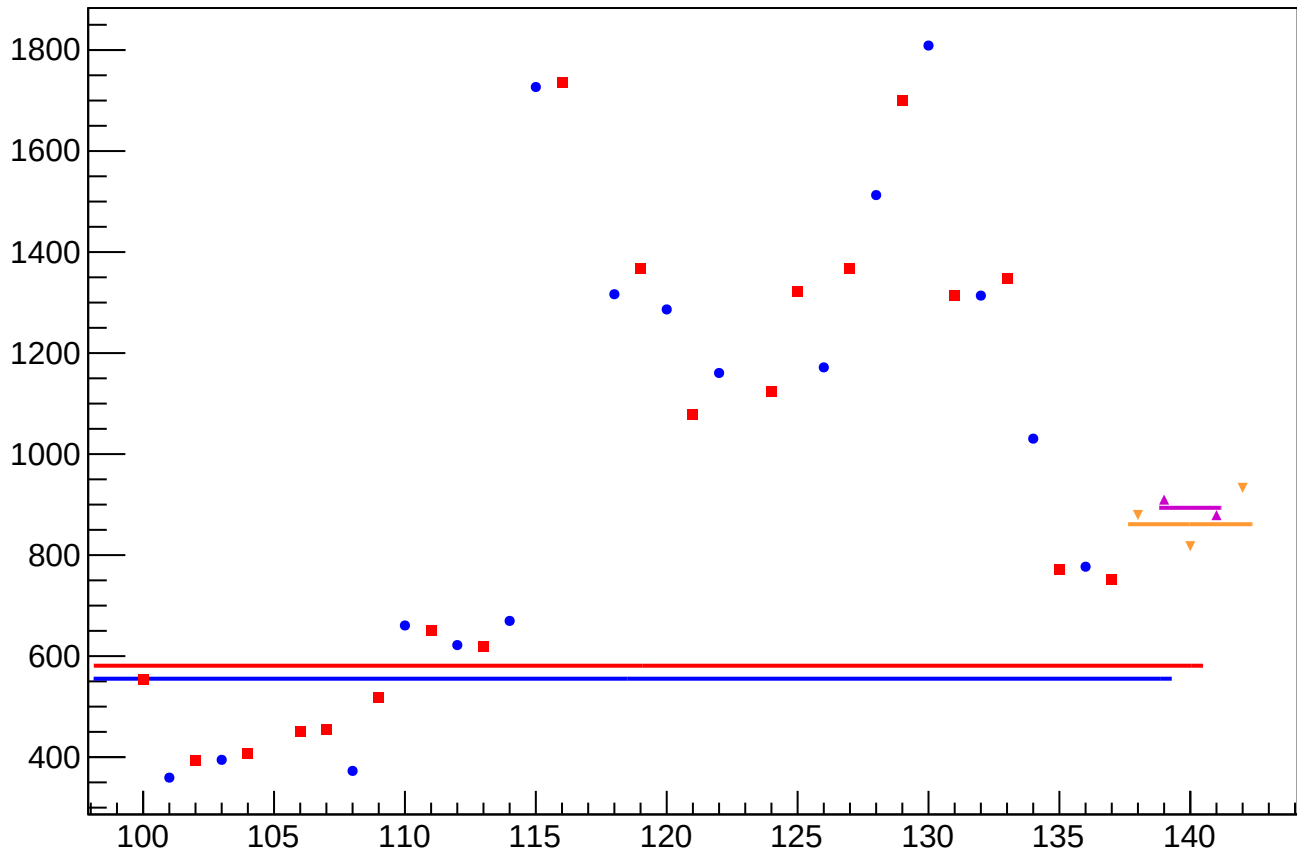
Left In: -286.281 ± 679.800 χ^2/NDF : 0.0/1

+ sign -262.276 ± 220.904 χ^2/NDF : 25.7/18

All: -92.581 ± 157.574 χ^2/NDF : 46.6/39

- sign 83.203 ± 224.833 χ^2/NDF : 19.7/20

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF : 3482531.0/15

Left Out: 861.157+/-0.425 χ^2/NDF : 10686.9/2

Right Out: 580.996+/-0.168 χ^2/NDF : 2983560.8/18

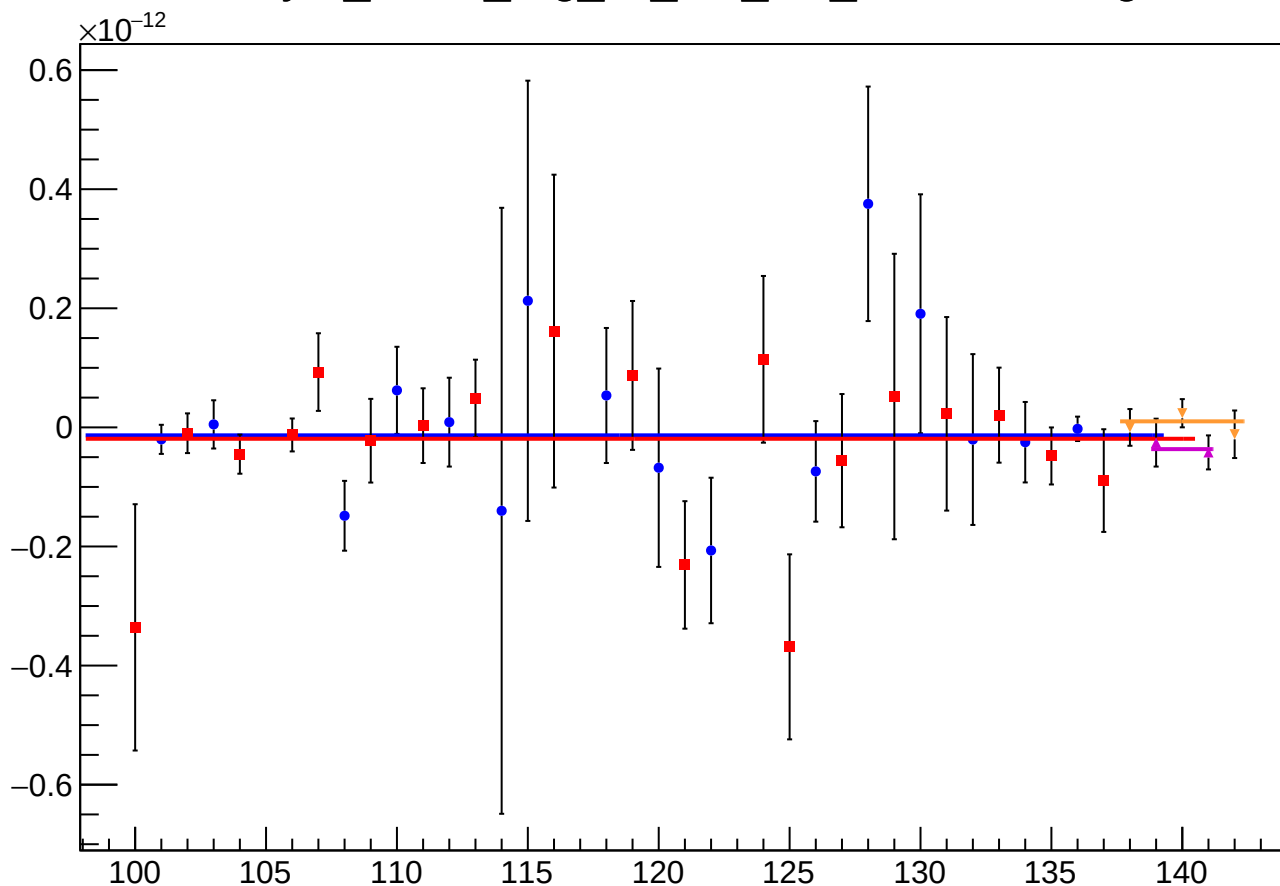
Left In: 893.658+/-0.481 χ^2/NDF : 1017.2/1

+ sign 596.599+/-0.156 χ^2/NDF : 3941104.6/18

All: 605.734+/-0.111 χ^2/NDF : 7309443.5/39

- sign 615.196+/-0.159 χ^2/NDF : 3361376.4/20

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.7/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.9/18

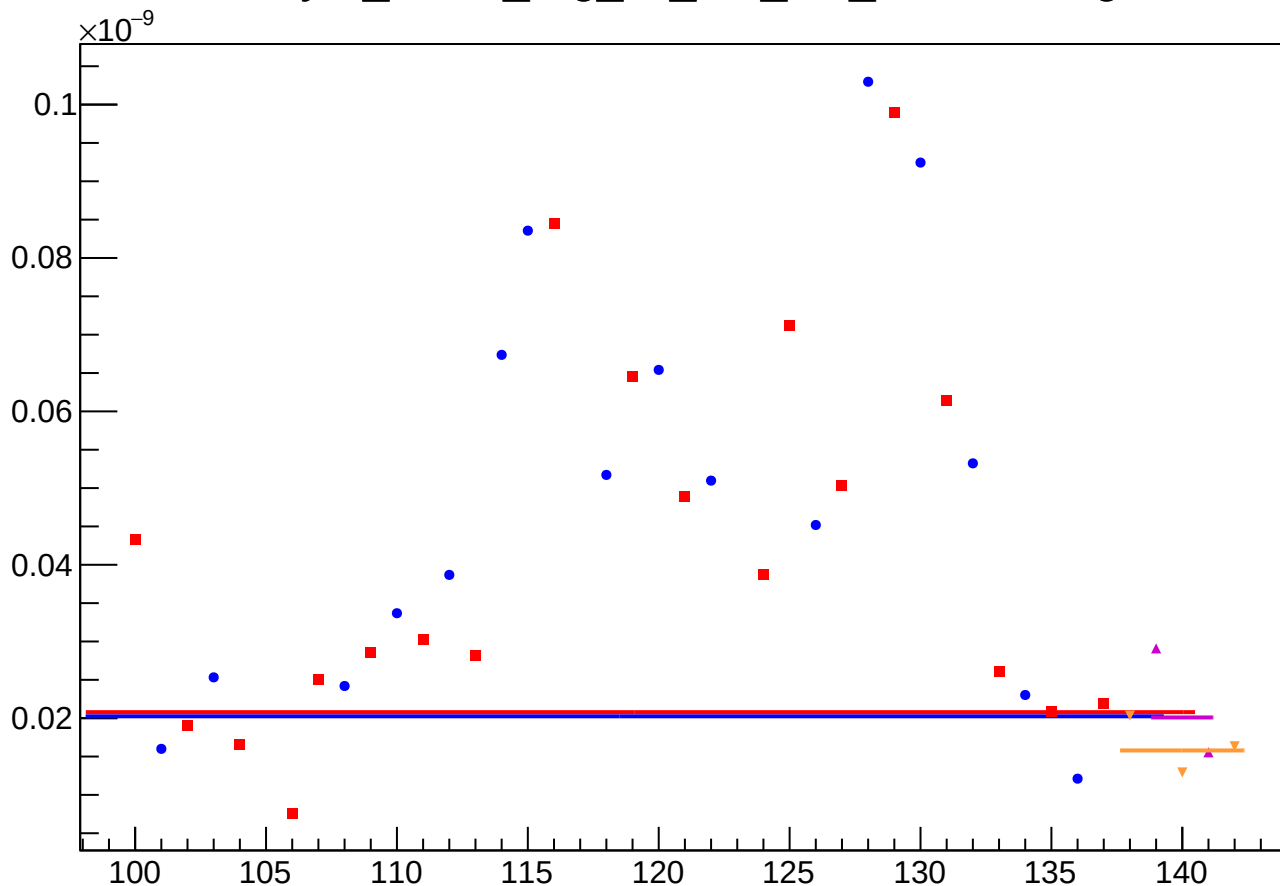
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 17.9/18

All: -0.000 ± 0.000 χ^2/NDF : 39.7/39

- sign -0.000 ± 0.000 χ^2/NDF : 20.4/20

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 73197.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1855885.9/18

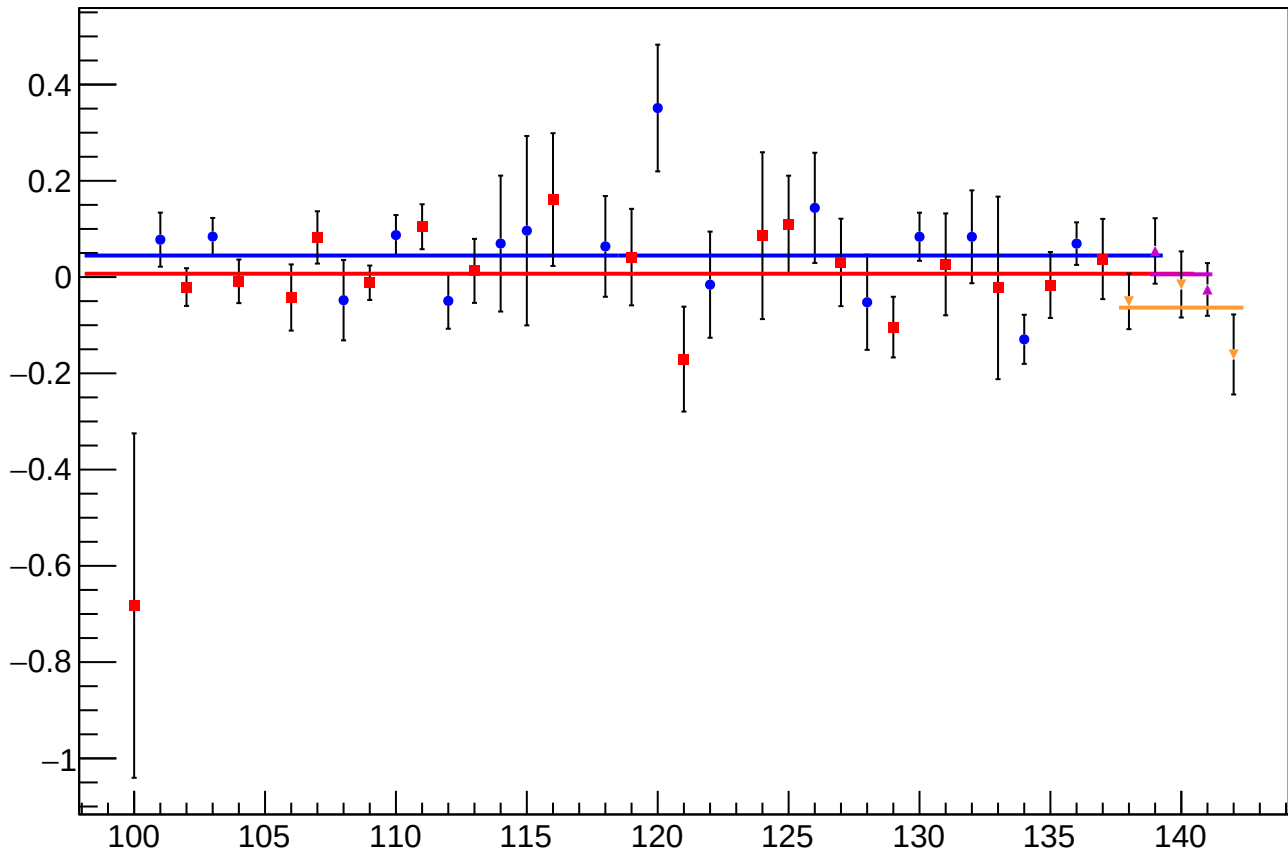
Left In: 0.000+/-0.000 χ^2/NDF : 150817.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 2164697.7/18

All: 0.000+/-0.000 χ^2/NDF : 4204733.5/39

- sign 0.000+/-0.000 χ^2/NDF : 2008002.8/20

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.016 χ^2 /NDF: 26.6/15

Left Out: -0.063 $\pm$ 0.039 χ^2 /NDF: 1.9/2

Right Out: 0.007 $\pm$ 0.015 χ^2 /NDF: 20.2/18

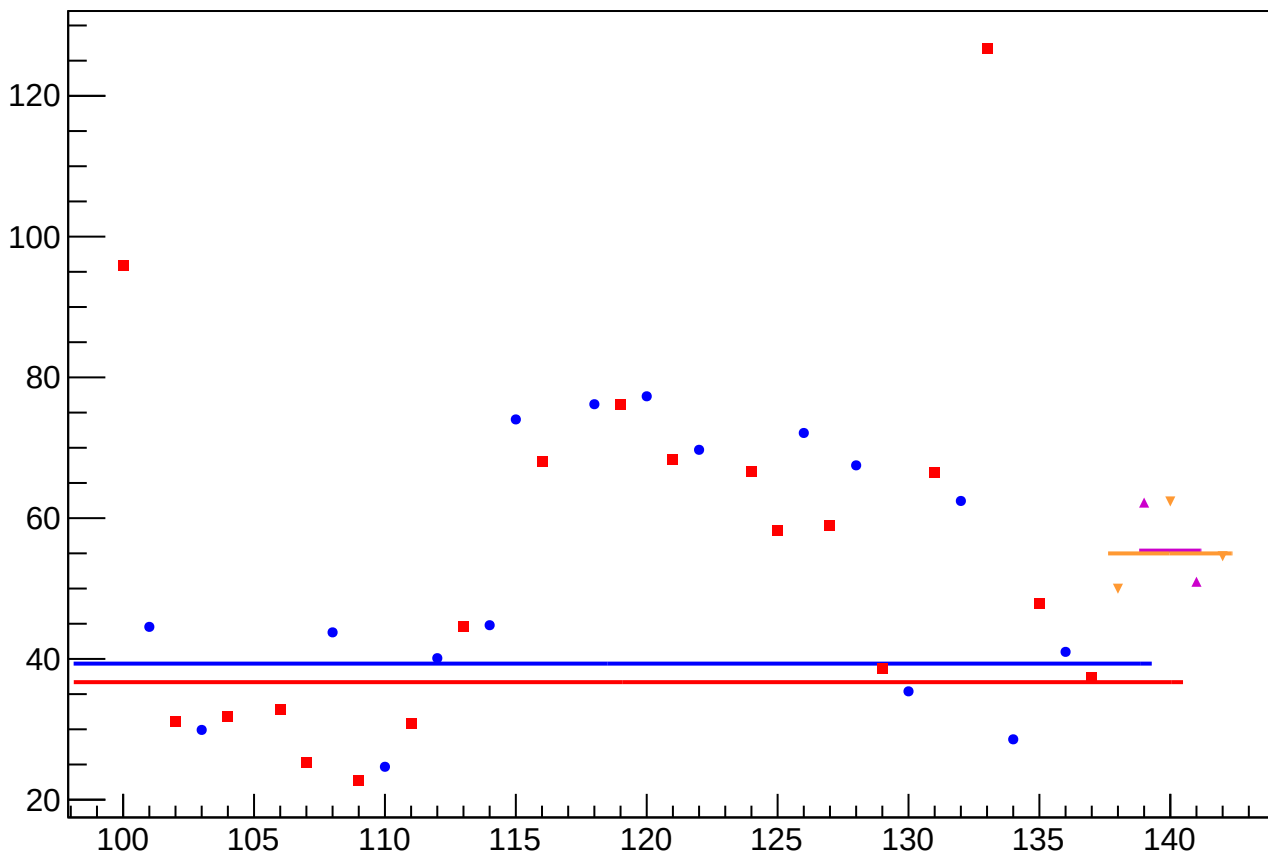
Left In: 0.006 $\pm$ 0.043 χ^2 /NDF: 0.8/1

+ sign 0.029 $\pm$ 0.015 χ^2 /NDF: 35.1/18

All: 0.018 $\pm$ 0.010 χ^2 /NDF: 57.3/39

- sign 0.007 $\pm$ 0.014 χ^2 /NDF: 21.0/20

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335 $\pm$ 0.011 χ^2 /NDF: 1566525.1/15

Left Out: 54.990 $\pm$ 0.028 χ^2 /NDF: 38253.0/2

Right Out: 36.700 $\pm$ 0.011 χ^2 /NDF: 2096756.0/18

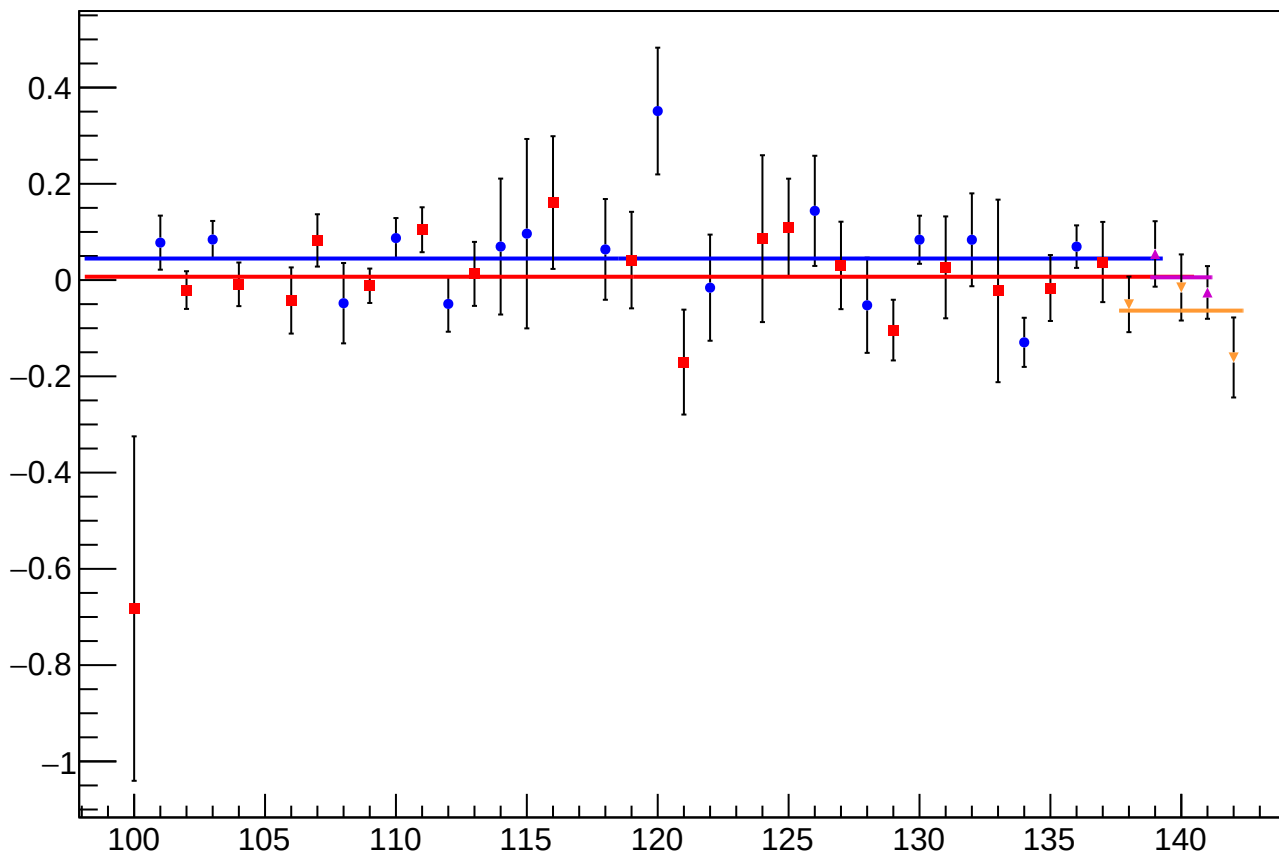
Left In: 55.388 $\pm$ 0.030 χ^2 /NDF: 33165.1/1

+ sign 41.594 $\pm$ 0.010 χ^2 /NDF: 1880343.6/18

All: 40.133 $\pm$ 0.007 χ^2 /NDF: 4388827.2/39

- sign 38.784 $\pm$ 0.010 χ^2 /NDF: 2471116.7/20

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: -0.063 $\pm$ 0.039 χ^2 /NDF:1.9/2

Right Out: 0.007 $\pm$ 0.015 χ^2 /NDF: 20.2/18

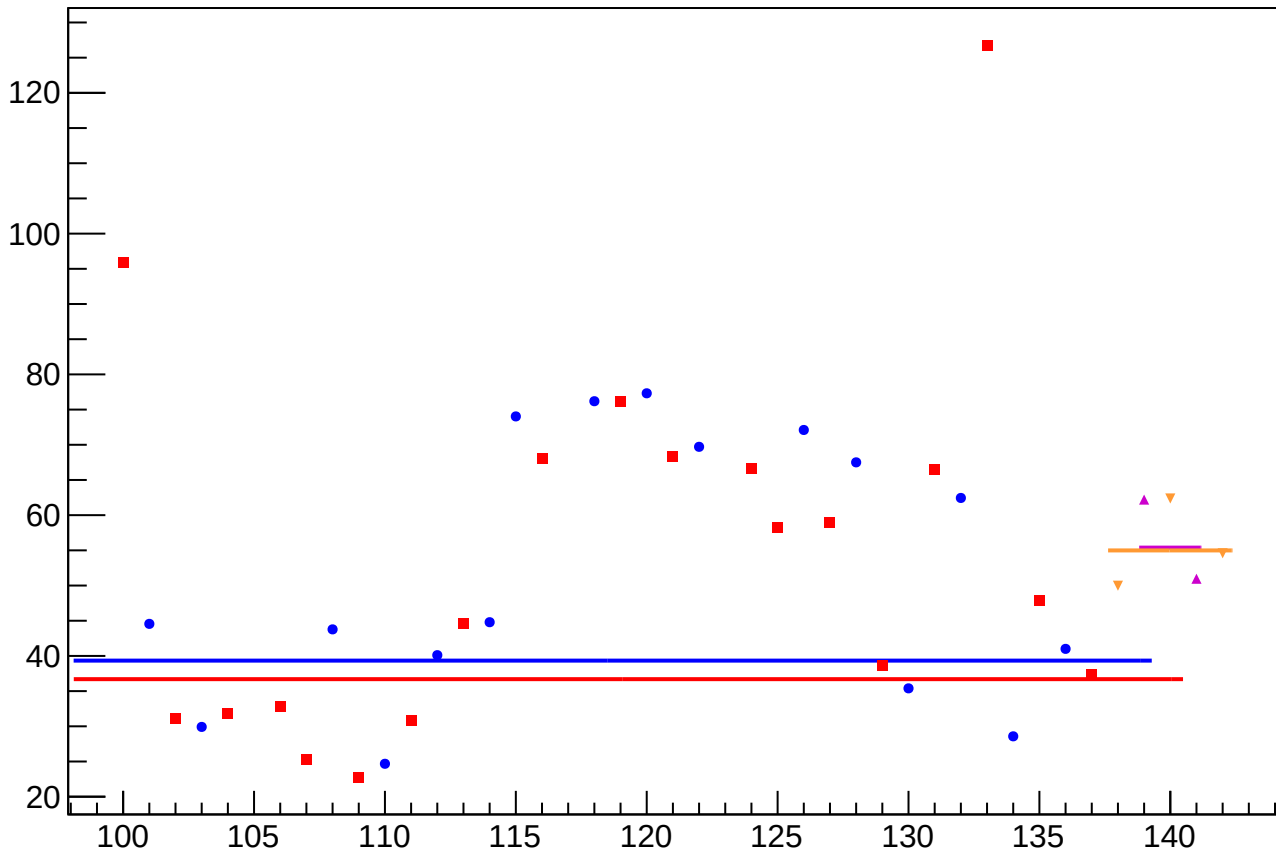
Left In: 0.006 $\pm$ 0.043 χ^2 /NDF:0.8/1

+ sign 0.029 $\pm$ 0.015 χ^2 /NDF: 35.1/18

All: 0.018 $\pm$ 0.010 χ^2 /NDF: 57.3/39

- sign 0.007 $\pm$ 0.014 χ^2 /NDF: 21.0/20

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335 $\pm$ 0.011 χ^2/NDF : 1566525.1/15

Left Out: 54.990 $\pm$ 0.028 χ^2/NDF : 38253.0/2

Right Out: 36.700 $\pm$ 0.011 χ^2/NDF : 2096756.0/18

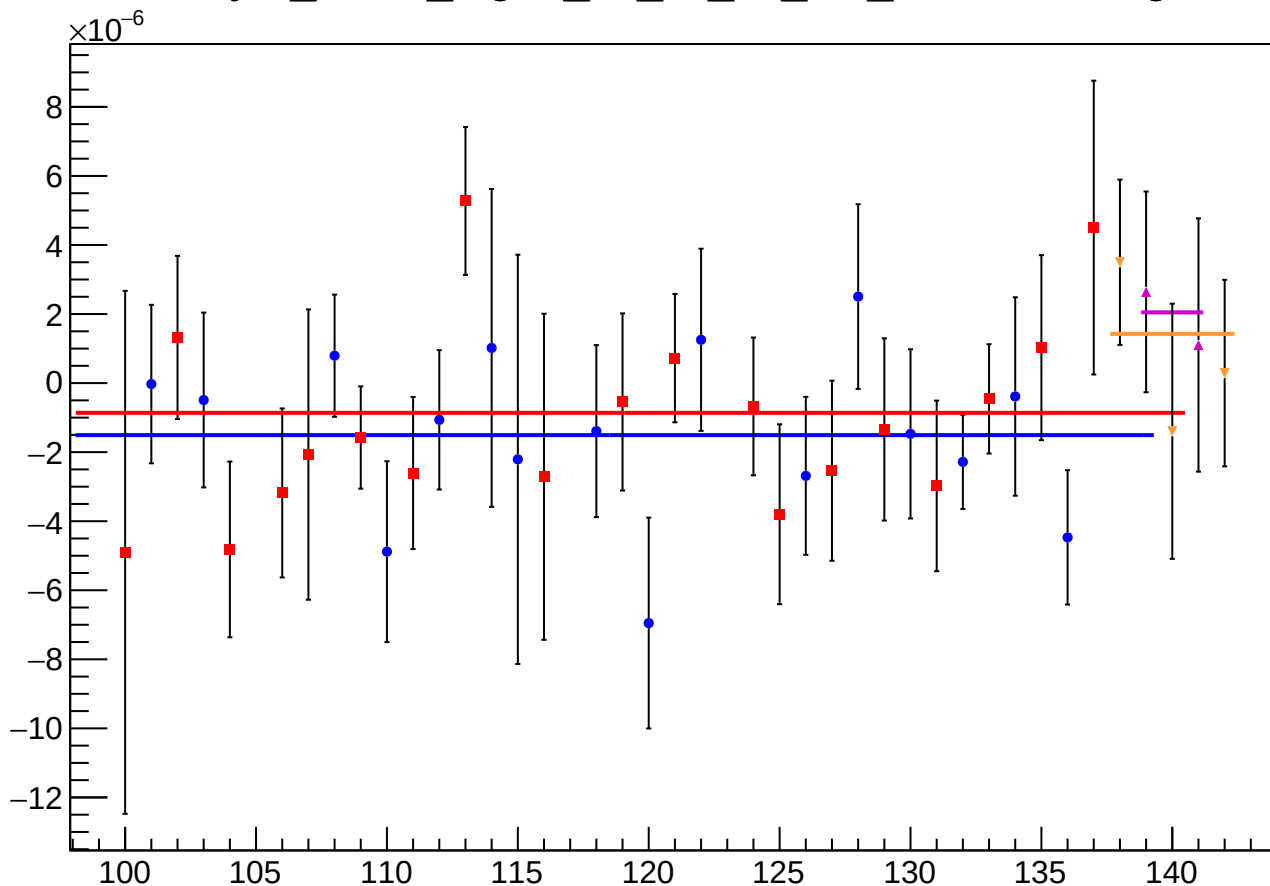
Left In: 55.388 $\pm$ 0.030 χ^2/NDF : 33165.1/1

+ sign 41.594 $\pm$ 0.010 χ^2/NDF : 1880343.6/18

All: 40.133 $\pm$ 0.007 χ^2/NDF : 4388827.2/39

- sign 38.784 $\pm$ 0.010 χ^2/NDF : 2471116.7/20

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1.5/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 19.1/18

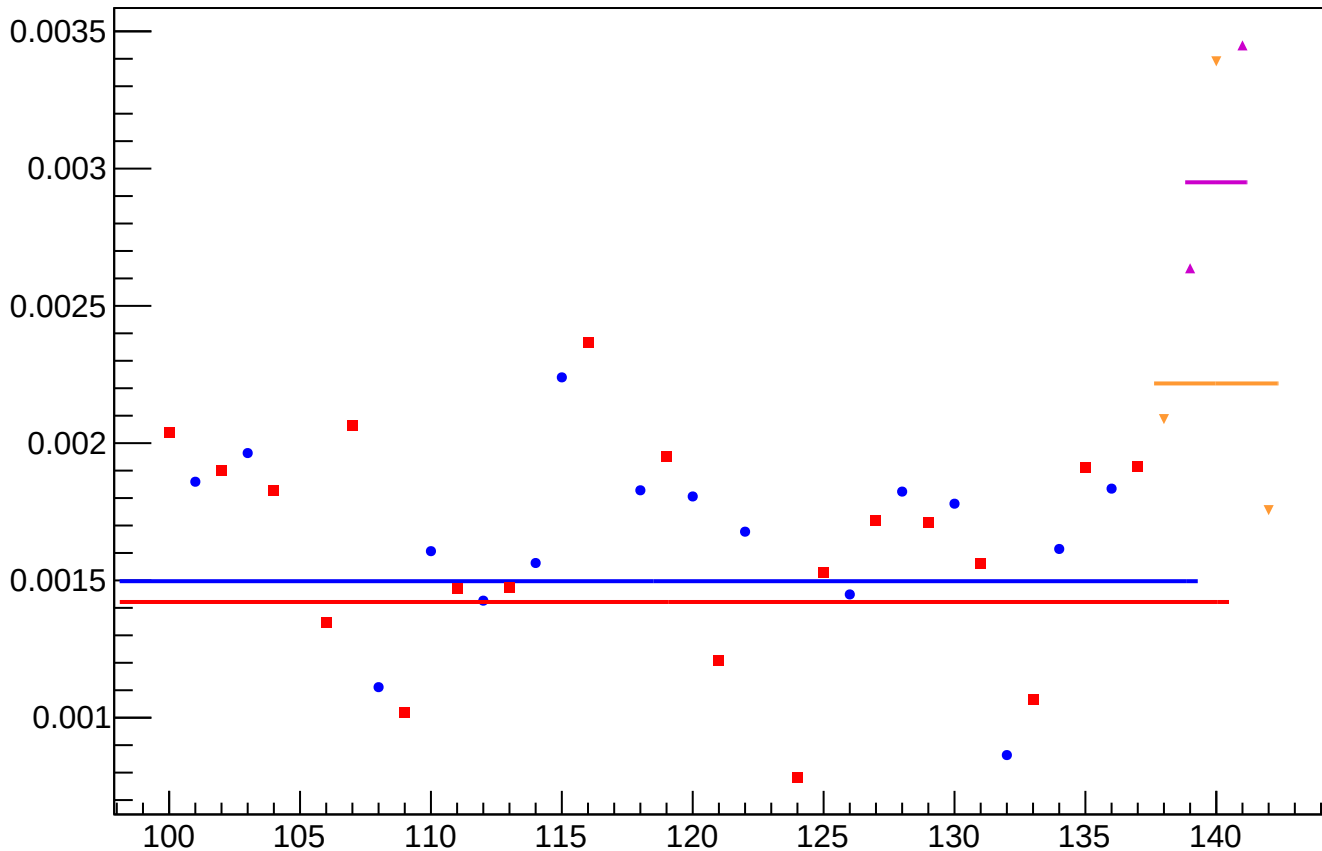
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 18.3/18

All: -0.000 ± 0.000 χ^2/NDF : 39.5/39

- sign -0.000 ± 0.000 χ^2/NDF : 20.8/20

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF : 265907.1/2

Right Out: 0.001+/-0.000 χ^2/NDF : 998047.4/18

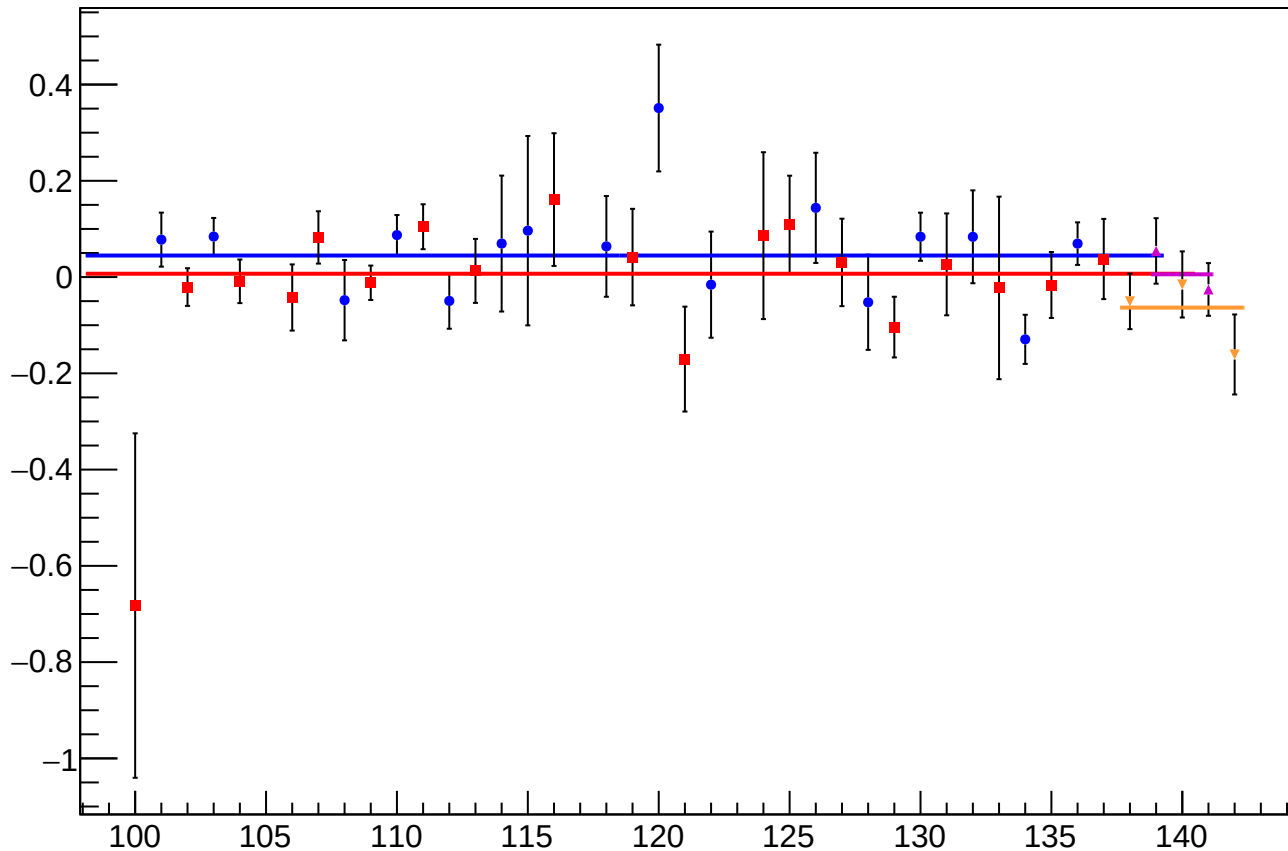
Left In: 0.003+/-0.000 χ^2/NDF : 60171.6/1

+ sign 0.002+/-0.000 χ^2/NDF : 1486675.8/18

All: 0.002+/-0.000 χ^2/NDF : 3416885.4/39

- sign 0.002+/-0.000 χ^2/NDF : 1910080.5/20

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.016 χ^2 /NDF: 26.6/15

Left Out: -0.063 $\pm$ 0.039 χ^2 /NDF: 1.9/2

Right Out: 0.007 $\pm$ 0.015 χ^2 /NDF: 20.2/18

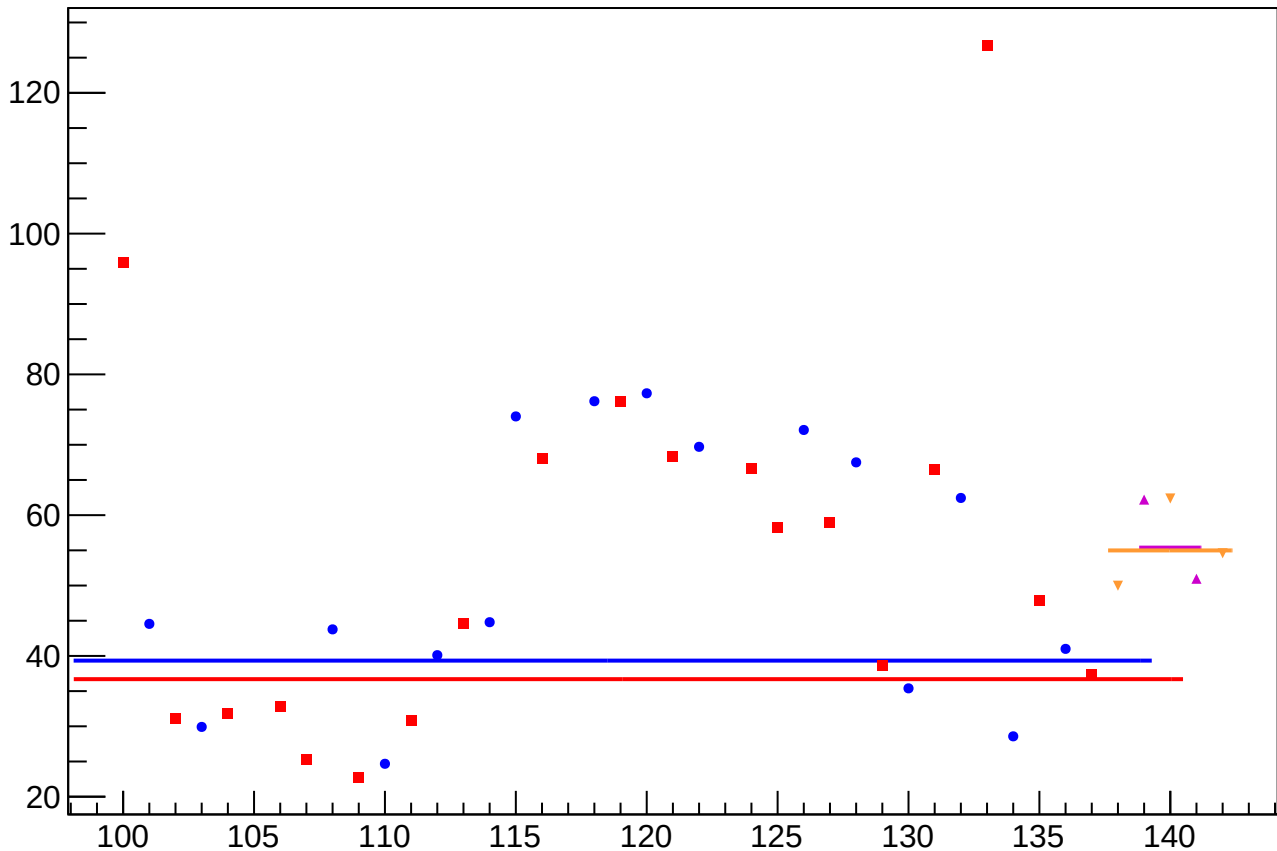
Left In: 0.006 $\pm$ 0.043 χ^2 /NDF: 0.8/1

+ sign 0.029 $\pm$ 0.015 χ^2 /NDF: 35.1/18

All: 0.018 $\pm$ 0.010 χ^2 /NDF: 57.3/39

- sign 0.007 $\pm$ 0.014 χ^2 /NDF: 21.0/20

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334 $\pm$ 0.011 χ^2/NDF : 1566545.4/15

Left Out: 54.990 $\pm$ 0.028 χ^2/NDF : 38247.7/2

Right Out: 36.699 $\pm$ 0.011 χ^2/NDF : 2096748.4/18

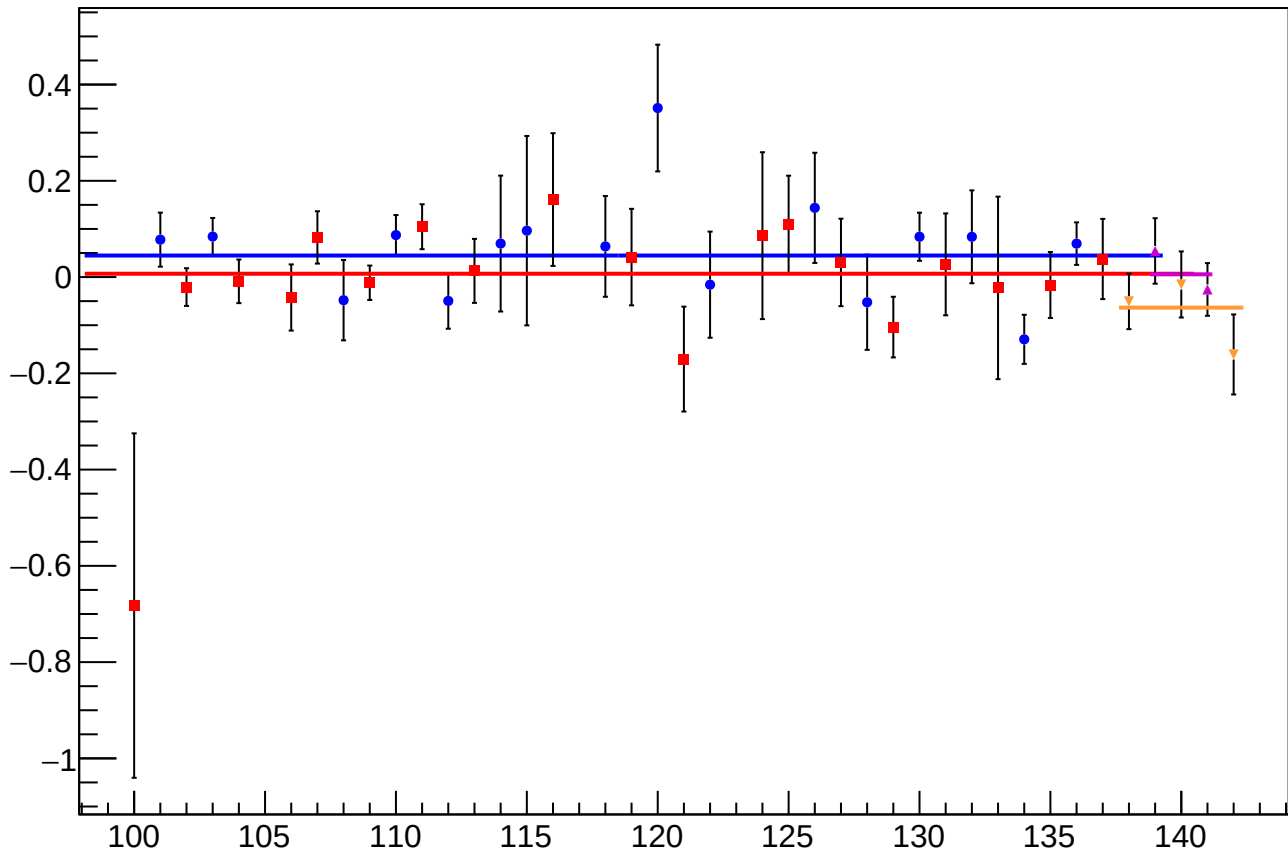
Left In: 55.387 $\pm$ 0.030 χ^2/NDF : 33171.1/1

+ sign 41.593 $\pm$ 0.010 χ^2/NDF : 1880369.9/18

All: 40.133 $\pm$ 0.007 χ^2/NDF : 4388836.4/39

- sign 38.784 $\pm$ 0.010 χ^2/NDF : 2471105.1/20

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.016 χ^2 /NDF: 26.6/15

Left Out: -0.063 $\pm$ 0.039 χ^2 /NDF: 1.9/2

Right Out: 0.007 $\pm$ 0.015 χ^2 /NDF: 20.2/18

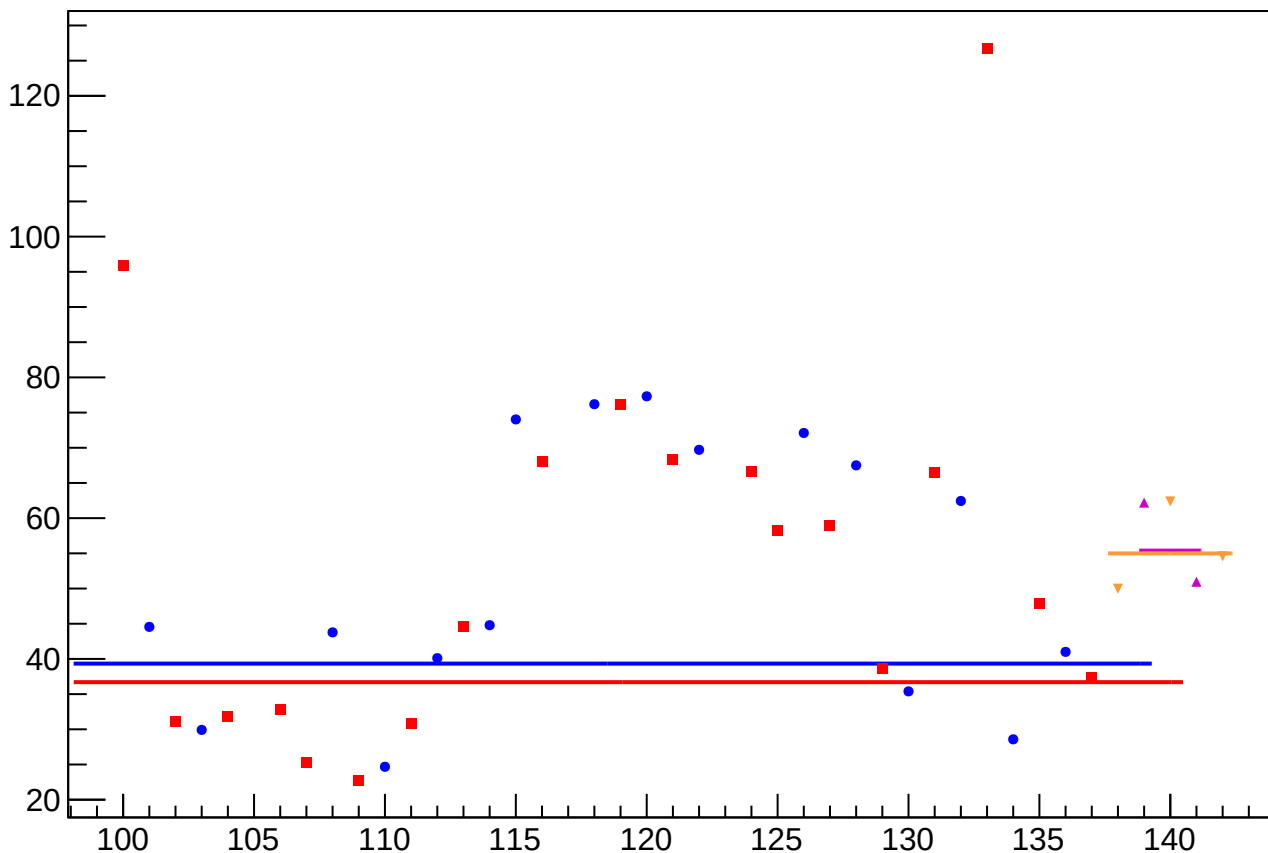
Left In: 0.006 $\pm$ 0.043 χ^2 /NDF: 0.8/1

+ sign 0.029 $\pm$ 0.015 χ^2 /NDF: 35.1/18

All: 0.018 $\pm$ 0.010 χ^2 /NDF: 57.3/39

- sign 0.007 $\pm$ 0.014 χ^2 /NDF: 21.0/20

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.334 $\pm$ 0.011 χ^2/NDF : 1566545.4/15

Left Out: 54.990 $\pm$ 0.028 χ^2/NDF : 38247.7/2

Right Out: 36.699 $\pm$ 0.011 χ^2/NDF : 2096748.4/18

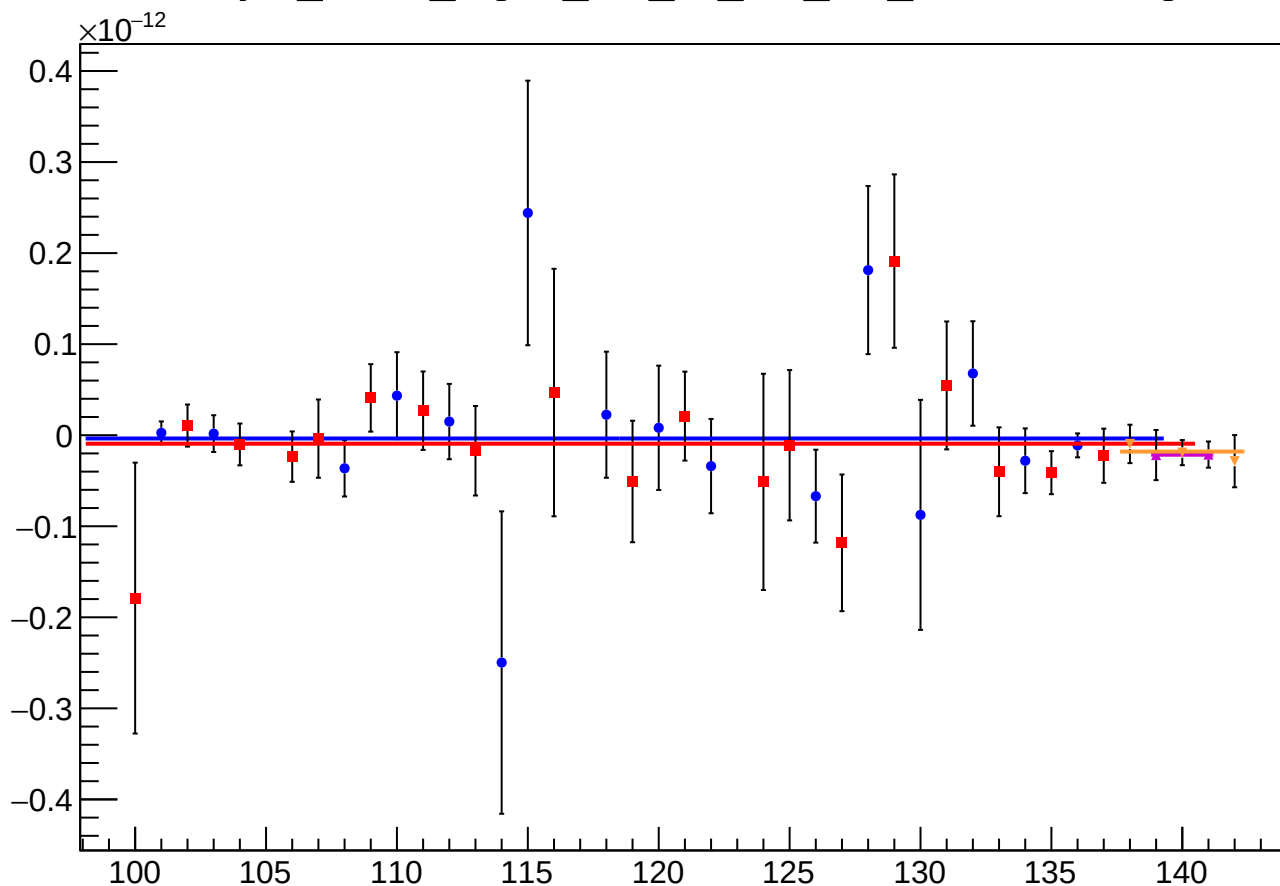
Left In: 55.387 $\pm$ 0.030 χ^2/NDF : 33171.1/1

+ sign 41.593 $\pm$ 0.010 χ^2/NDF : 1880369.9/18

All: 40.133 $\pm$ 0.007 χ^2/NDF : 4388836.4/39

- sign 38.784 $\pm$ 0.010 χ^2/NDF : 2471105.1/20

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 : 0.3/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.7/18

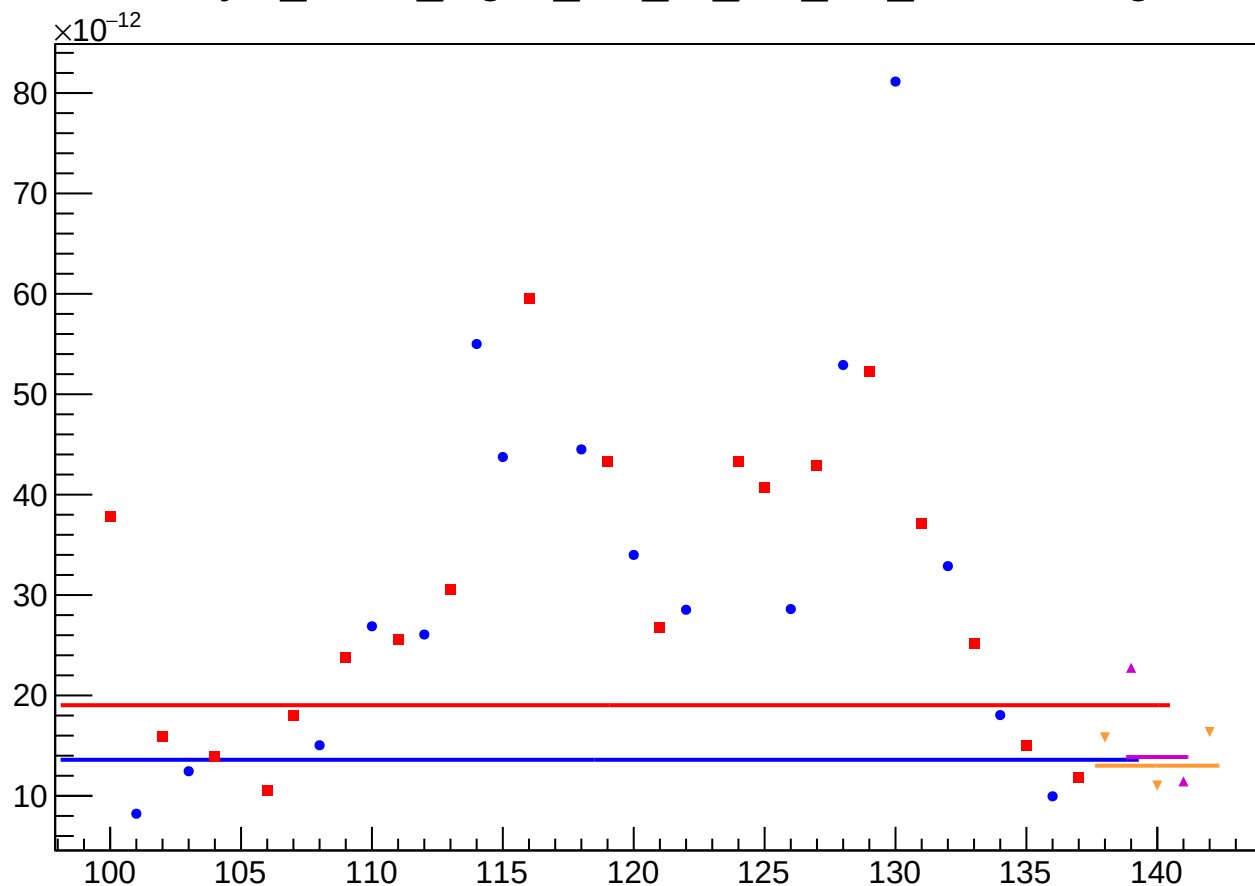
Left In: -0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 18.1/18

All: -0.000 ± 0.000 χ^2/NDF : 34.8/39

- sign -0.000 ± 0.000 χ^2/NDF : 16.3/20

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 : 104331.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2049385.6/18

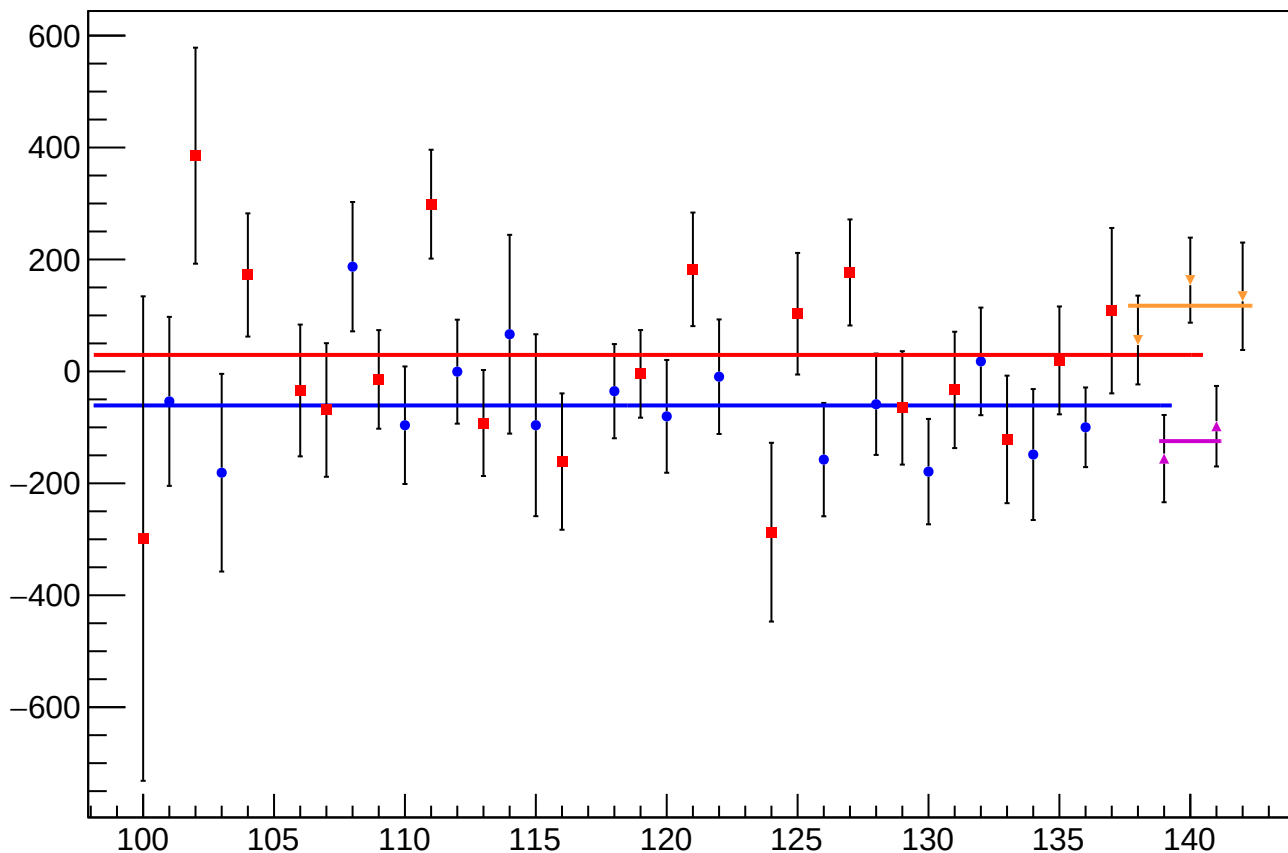
Left In: 0.000+/-0.000 χ^2/NDF : 265619.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 3295600.2/18

All: 0.000+/-0.000 χ^2/NDF : 6159967.4/39

- sign 0.000+/-0.000 χ^2/NDF : 2532655.2/20

reg_asym_sam7_mean vs Slug



Right In: -60.846 ± 26.054 $\chi^2/\text{NDF}: 10.6/15$

Left Out: 117.338 ± 47.635 $\chi^2/\text{NDF}: 1.0/2$

Right Out: 29.453 ± 25.105 $\chi^2/\text{NDF}: 31.2/18$

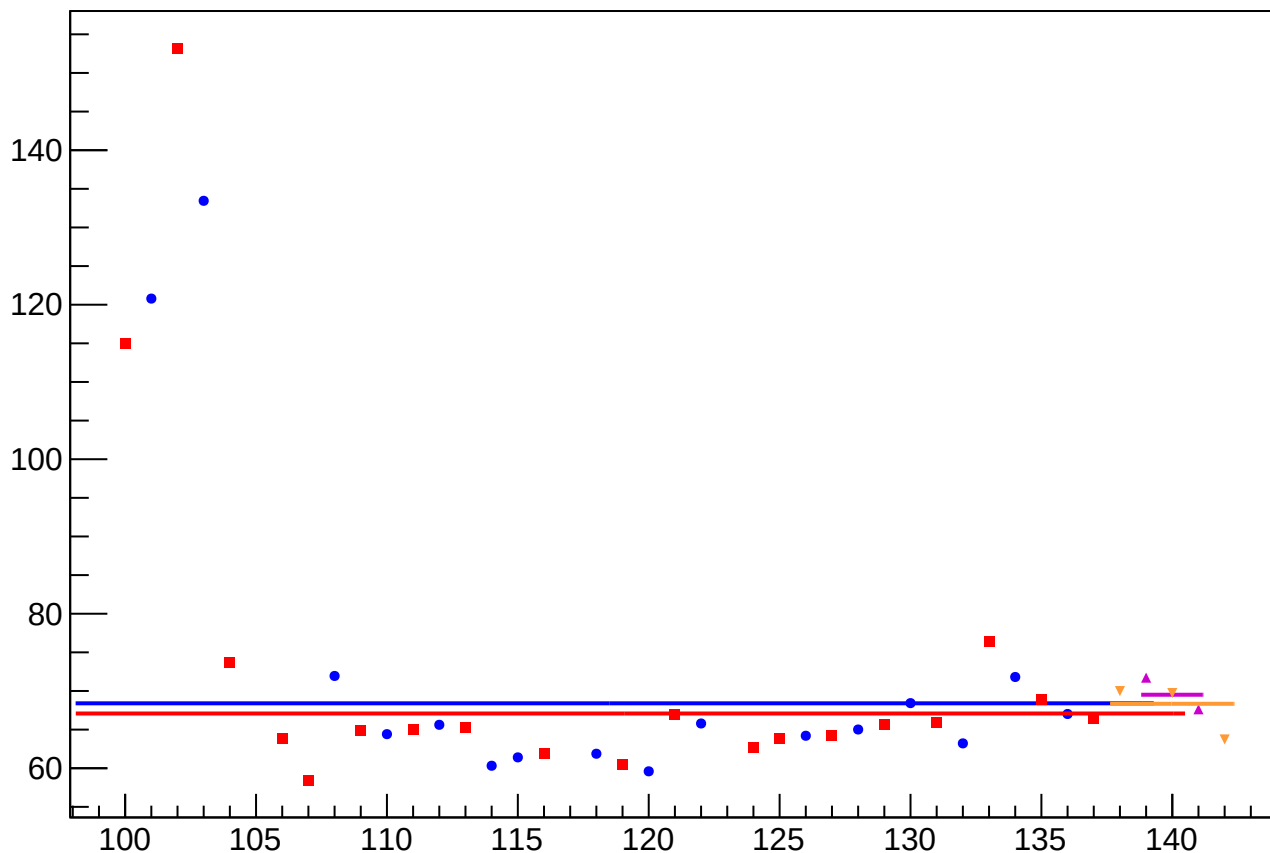
Left In: -124.572 ± 52.868 $\chi^2/\text{NDF}: 0.3/1$

+ sign -19.816 ± 22.858 $\chi^2/\text{NDF}: 22.3/18$

All: -9.270 ± 16.099 $\chi^2/\text{NDF}: 61.2/39$

- sign 1.112 ± 22.678 $\chi^2/\text{NDF}: 38.4/20$

reg_asym_sam7_rms vs Slug



Right In: 68.403 $\pm$ 0.018 χ^2 /NDF: 569557.5/15

Left Out: 68.342 $\pm$ 0.034 χ^2 /NDF: 6150.8/2

Right Out: 67.086 $\pm$ 0.018 χ^2 /NDF: 481815.1/18

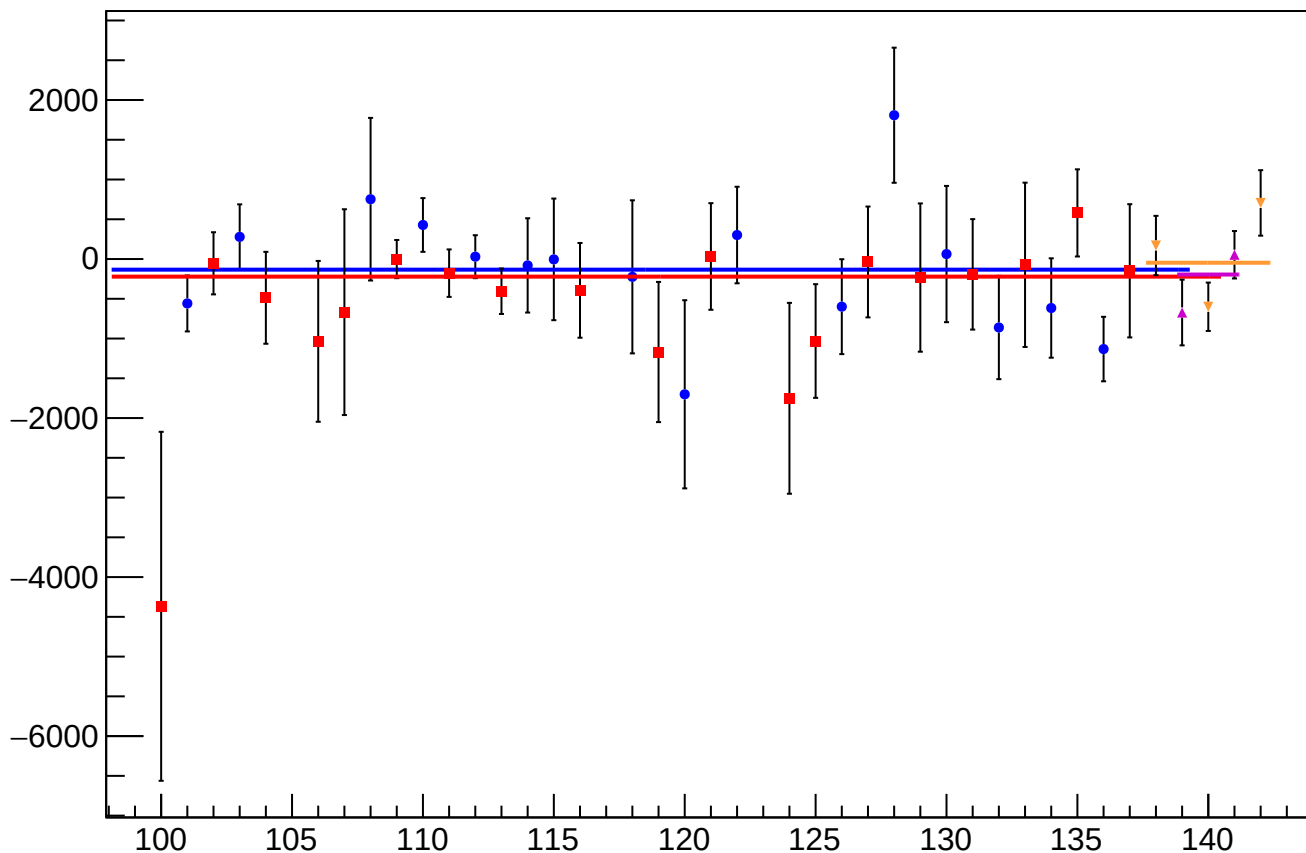
Left In: 69.513 $\pm$ 0.037 χ^2 /NDF: 2978.5/1

+ sign 68.389 $\pm$ 0.016 χ^2 /NDF: 575710.8/18

All: 67.957 $\pm$ 0.011 χ^2 /NDF: 1065360.9/39

- sign 67.532 $\pm$ 0.016 χ^2 /NDF: 488233.9/20

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2 /NDF: 22.5/15

Left Out: -46.565+/-204.536 χ^2 /NDF: 7.0/2

Right Out: -221.324+/-117.783 χ^2 /NDF: 12.5/18

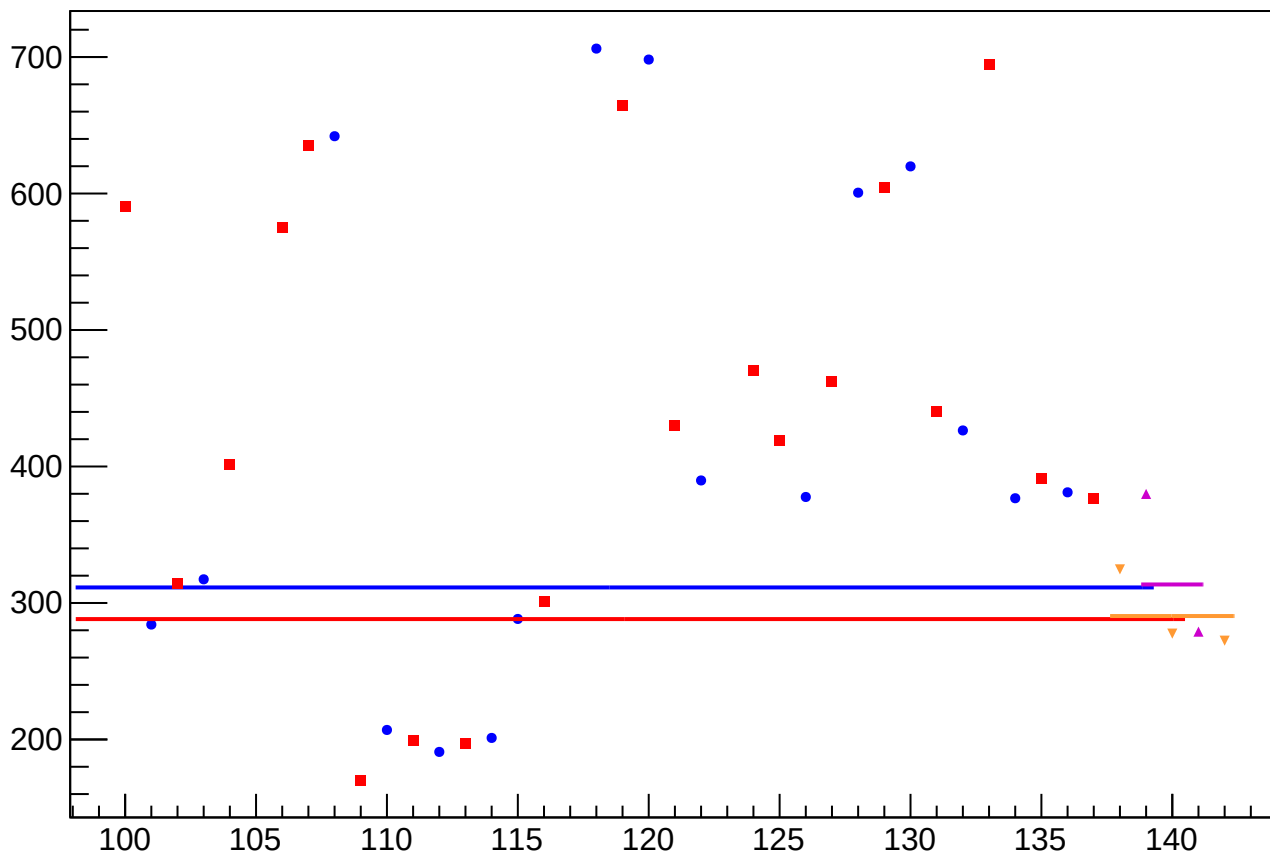
Left In: -195.127+/-241.776 χ^2 /NDF: 2.0/1

+ sign -109.676+/-107.219 χ^2 /NDF: 29.6/18

All: -163.654+/-75.340 χ^2 /NDF: 44.7/39

- sign -216.299+/-105.886 χ^2 /NDF: 14.6/20

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF : 2123797.6/15

Left Out: 290.437+/-0.145 χ^2/NDF : 24245.3/2

Right Out: 288.205+/-0.083 χ^2/NDF : 2715380.6/18

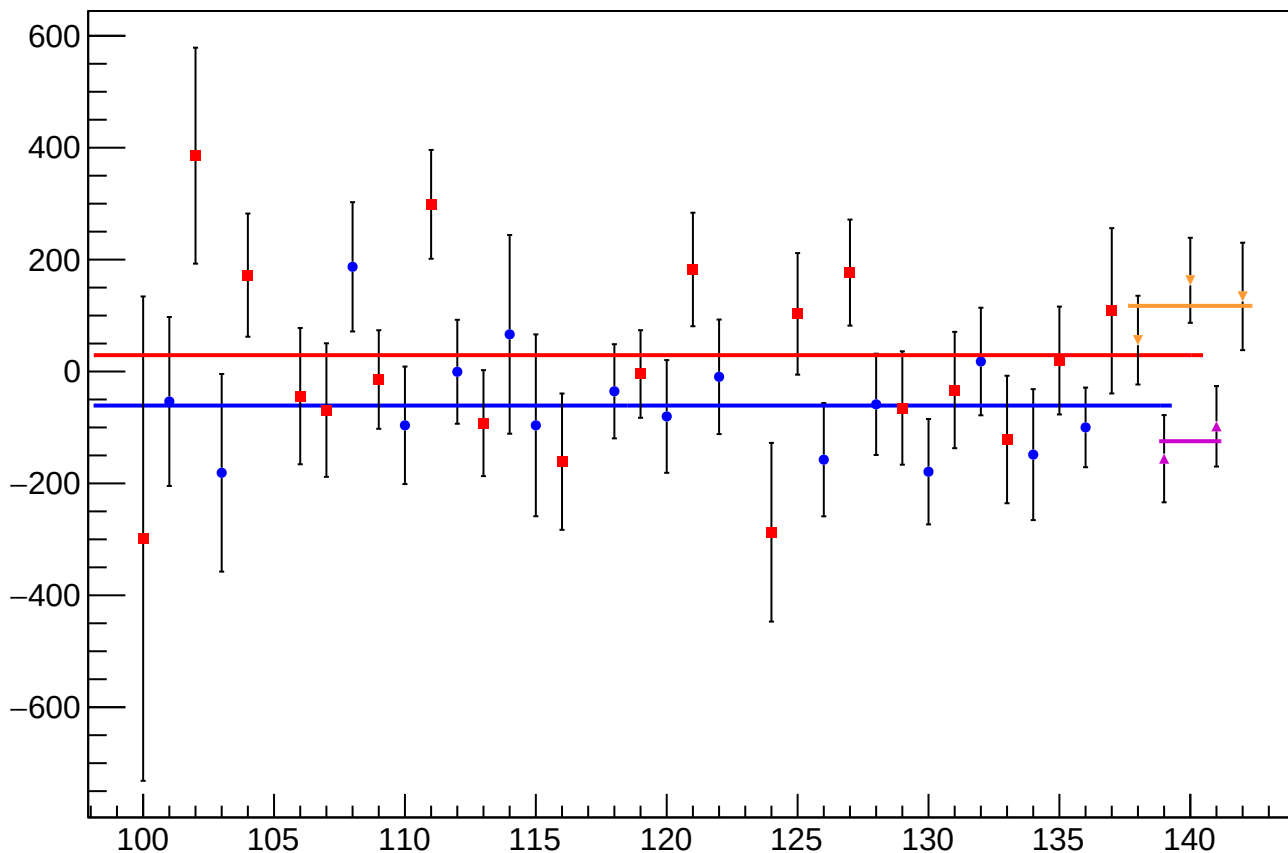
Left In: 313.565+/-0.171 χ^2/NDF : 78465.5/1

+ sign 305.629+/-0.076 χ^2/NDF : 2163258.8/18

All: 299.271+/-0.053 χ^2/NDF : 4988784.1/39

- sign 293.069+/-0.075 χ^2/NDF : 2811629.8/20

cor_asym_sam7_mean vs Slug



Right In: -60.848 $\pm$ 26.054 χ^2 /NDF: 10.6/15

Left Out: 117.335 $\pm$ 47.635 χ^2 /NDF: 1.0/2

Right Out: 29.221 $\pm$ 25.143 χ^2 /NDF: 31.3/18

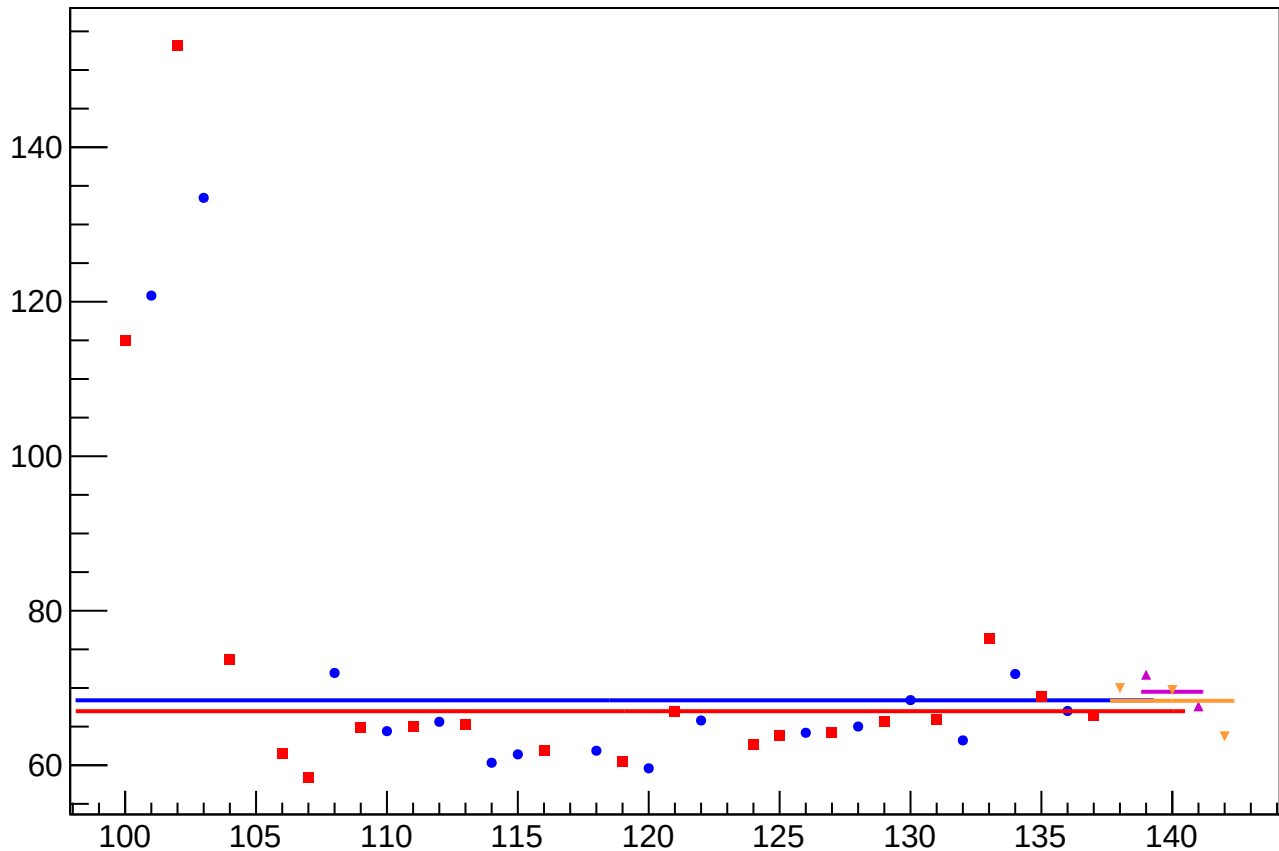
Left In: -124.573 $\pm$ 52.868 χ^2 /NDF: 0.3/1

+ sign -19.819 $\pm$ 22.858 χ^2 /NDF: 22.3/18

All: -9.414 $\pm$ 16.109 χ^2 /NDF: 61.2/39

- sign 0.853 $\pm$ 22.706 χ^2 /NDF: 38.5/20

cor_asym_sam7_rms vs Slug



Right In: 68.403 ± 0.018 $\chi^2/\text{NDF}: 569557.9/15$

Left Out: 68.342 ± 0.034 $\chi^2/\text{NDF}: 6150.8/2$

Right Out: 66.995 ± 0.018 $\chi^2/\text{NDF}: 484487.7/18$

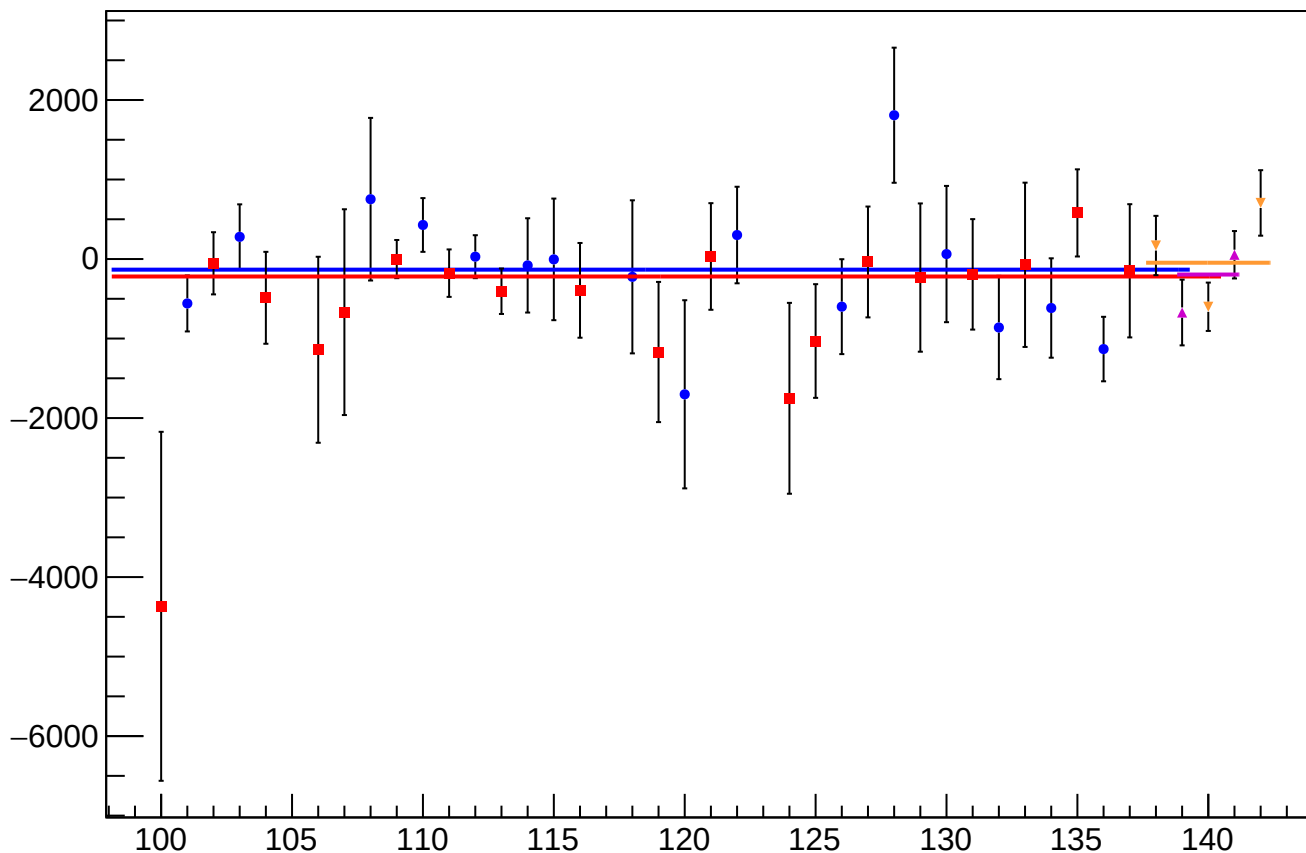
Left In: 69.513 ± 0.037 $\chi^2/\text{NDF}: 2978.5/1$

+ sign 68.389 ± 0.016 $\chi^2/\text{NDF}: 575711.2/18$

All: 67.921 ± 0.011 $\chi^2/\text{NDF}: 1068545.3/39$

- sign 67.459 ± 0.016 $\chi^2/\text{NDF}: 491167.6/20$

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587 ± 125.904 χ^2/NDF : 22.5/15

Left Out: -46.562 ± 204.536 χ^2/NDF : 7.0/2

Right Out: -219.615 ± 117.989 χ^2/NDF : 12.5/18

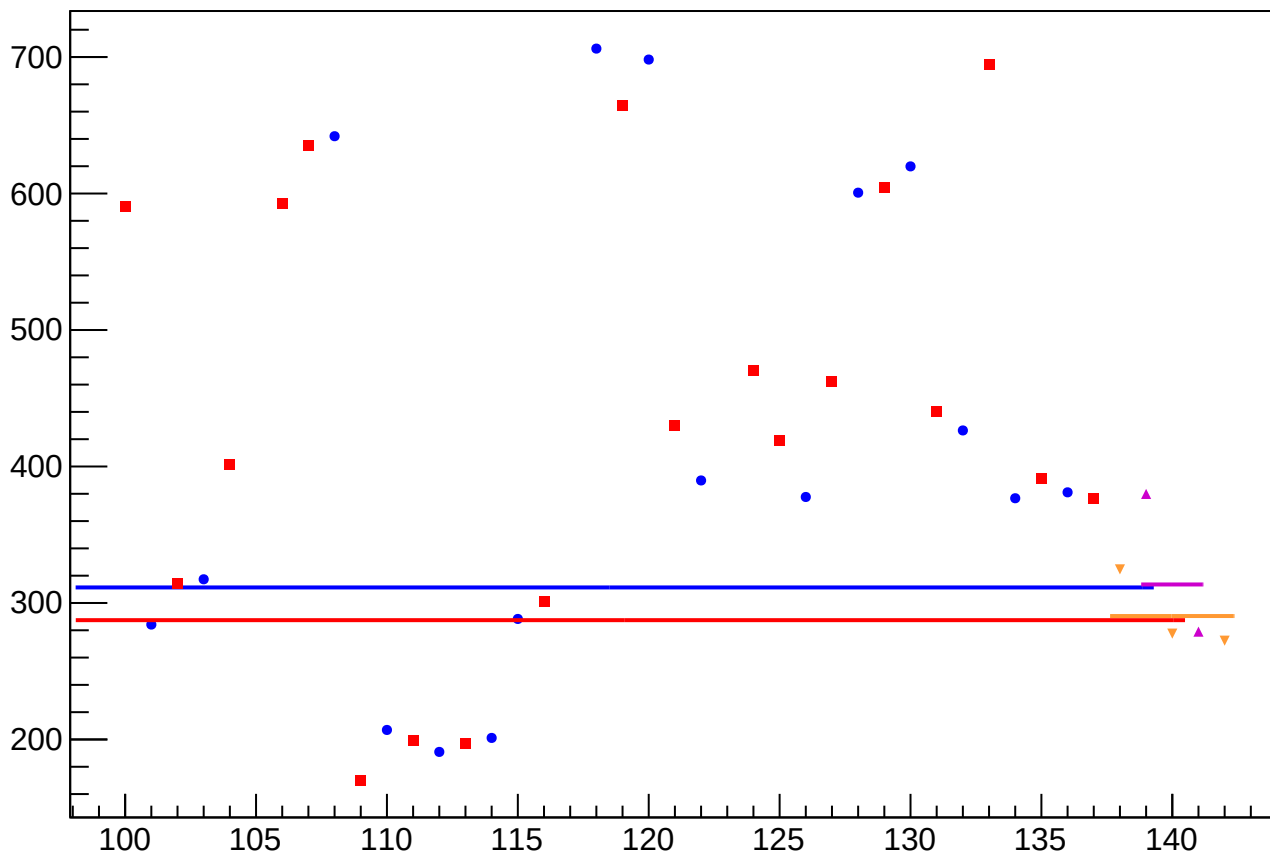
Left In: -195.122 ± 241.777 χ^2/NDF : 2.0/1

+ sign -109.673 ± 107.219 χ^2/NDF : 29.6/18

All: -162.872 ± 75.394 χ^2/NDF : 44.6/39

- sign -214.904 ± 106.037 χ^2/NDF : 14.6/20

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF : 2123799.0/15

Left Out: 290.436+/-0.145 χ^2/NDF : 24244.3/2

Right Out: 287.413+/-0.083 χ^2/NDF : 2690258.0/18

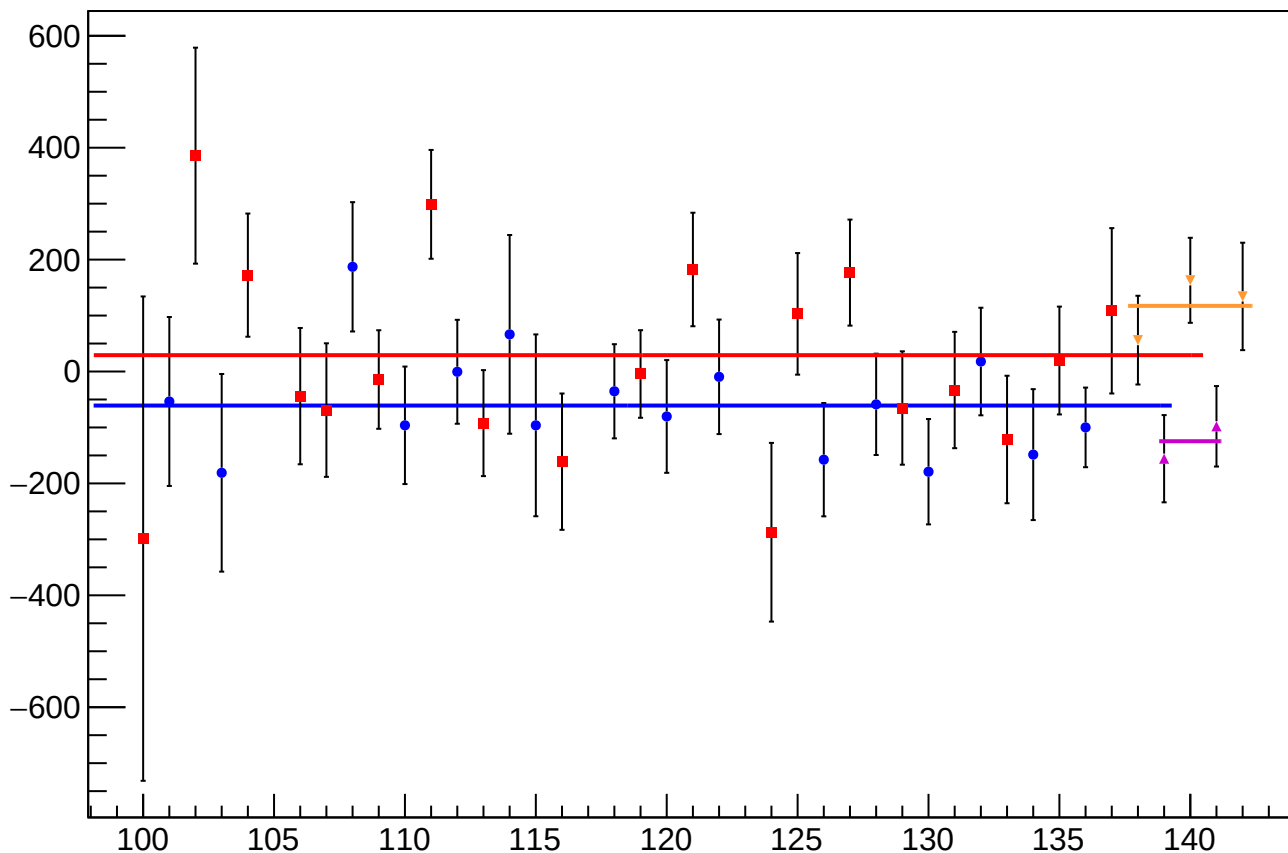
Left In: 313.566+/-0.171 χ^2/NDF : 78464.3/1

+ sign 305.631+/-0.076 χ^2/NDF : 2163263.0/18

All: 298.964+/-0.053 χ^2/NDF : 4966180.2/39

- sign 292.443+/-0.075 χ^2/NDF : 2787622.2/20

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848 ± 26.054 χ^2/NDF : 10.6/15

Left Out: 117.335 ± 47.635 χ^2/NDF : 1.0/2

Right Out: 29.221 ± 25.143 χ^2/NDF : 31.3/18

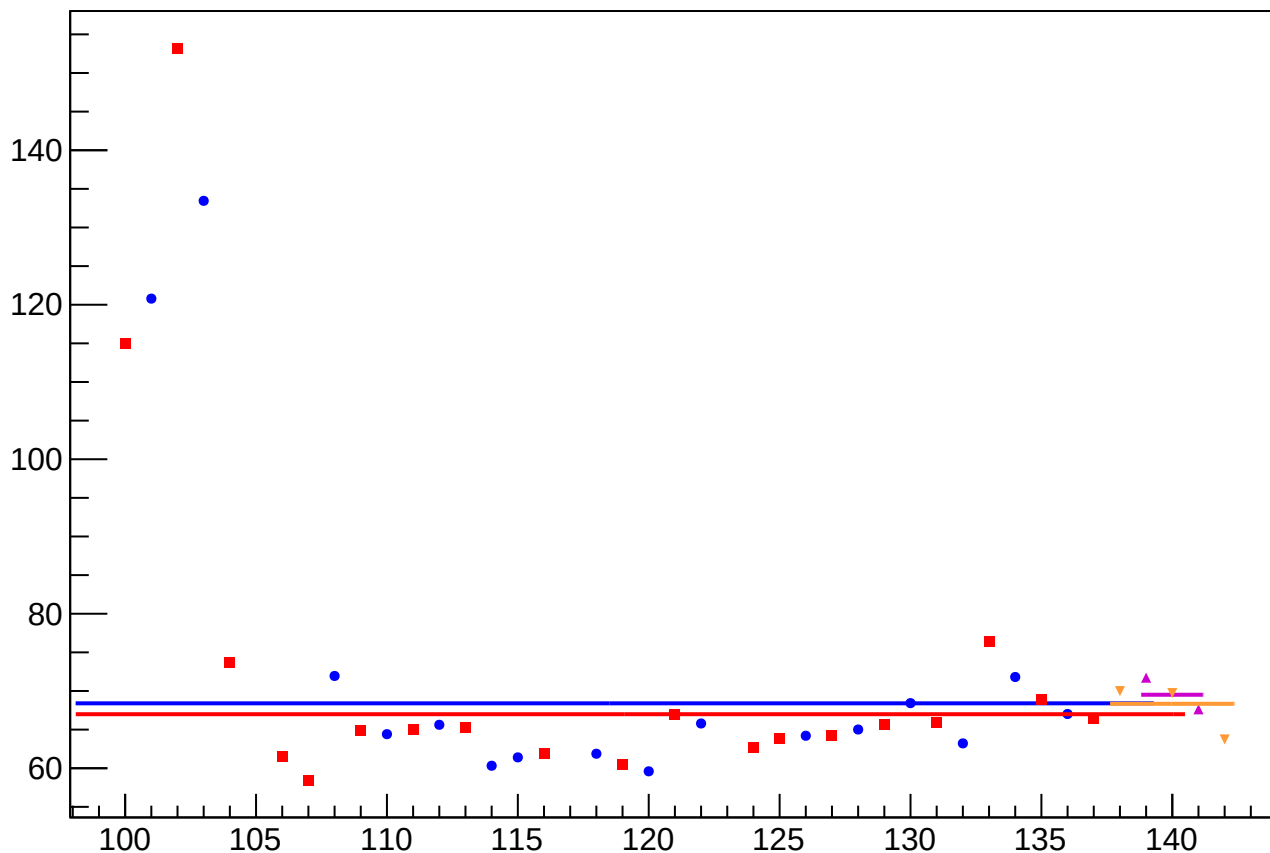
Left In: -124.573 ± 52.868 χ^2/NDF : 0.3/1

+ sign -19.819 ± 22.858 χ^2/NDF : 22.3/18

All: -9.414 ± 16.109 χ^2/NDF : 61.2/39

- sign 0.853 ± 22.706 χ^2/NDF : 38.5/20

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403 $\pm$ 0.018 χ^2 /NDF: 569557.9/15

Left Out: 68.342 $\pm$ 0.034 χ^2 /NDF: 6150.8/2

Right Out: 66.995 $\pm$ 0.018 χ^2 /NDF: 484487.7/18

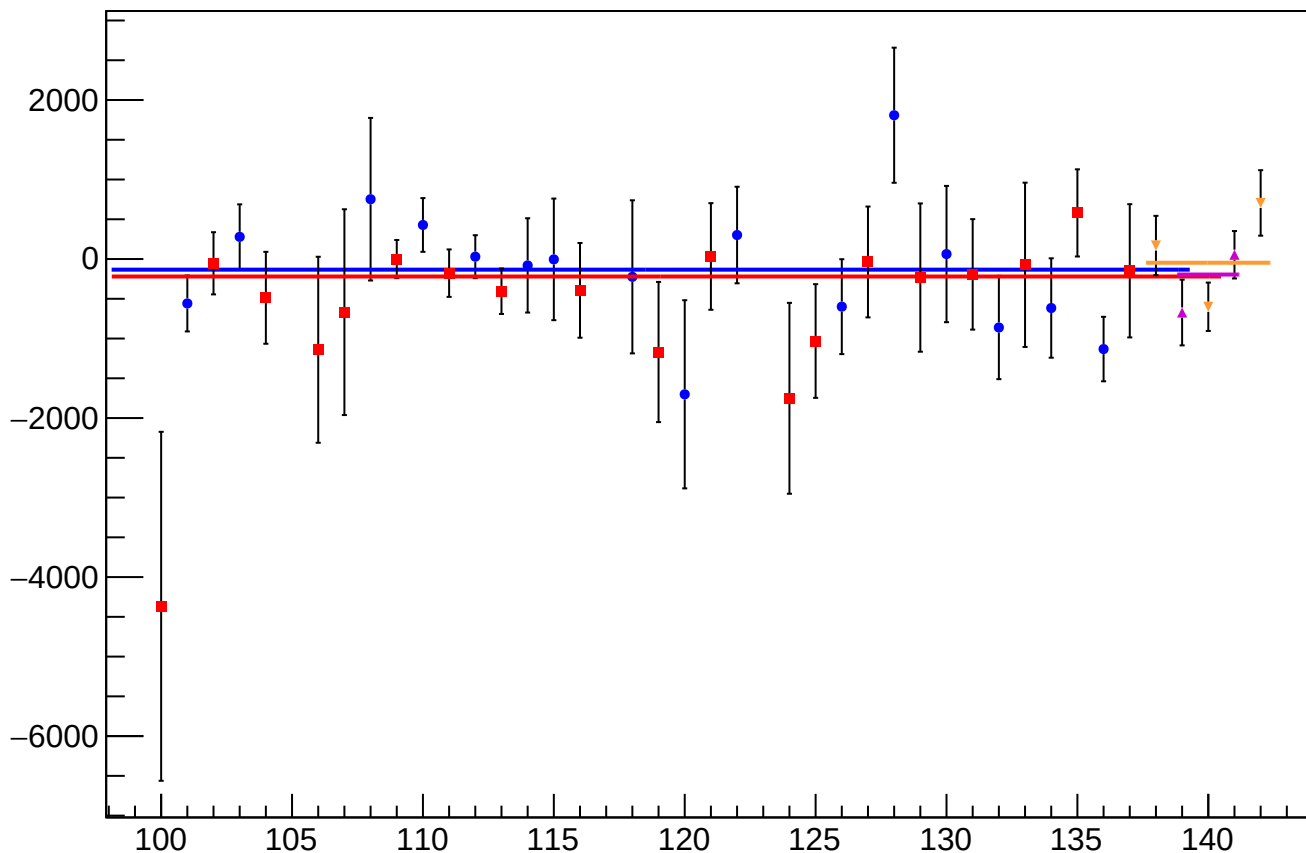
Left In: 69.513 $\pm$ 0.037 χ^2 /NDF: 2978.5/1

+ sign 68.389 $\pm$ 0.016 χ^2 /NDF: 575711.2/18

All: 67.921 $\pm$ 0.011 χ^2 /NDF: 1068545.3/39

- sign 67.459 $\pm$ 0.016 χ^2 /NDF: 491167.6/20

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -133.587 ± 125.904 χ^2/NDF : 22.5/15

Left Out: -46.562 ± 204.536 χ^2/NDF : 7.0/2

Right Out: -219.615 ± 117.989 χ^2/NDF : 12.5/18

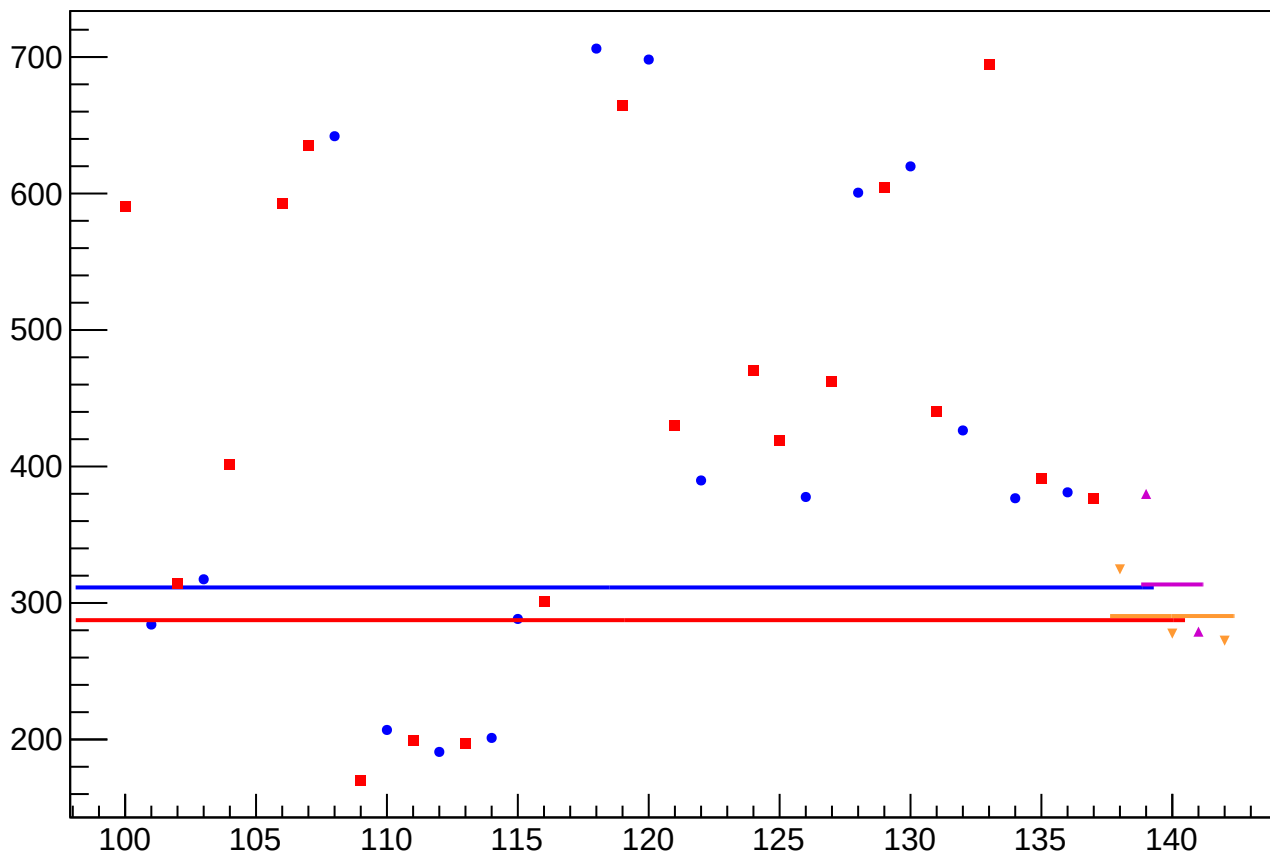
Left In: -195.122 ± 241.777 χ^2/NDF : 2.0/1

+ sign -109.673 ± 107.219 χ^2/NDF : 29.6/18

All: -162.872 ± 75.394 χ^2/NDF : 44.6/39

- sign -214.904 ± 106.037 χ^2/NDF : 14.6/20

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388 $\pm$ 0.089 χ^2/NDF : 2123799.0/15

Left Out: 290.436 $\pm$ 0.145 χ^2/NDF : 24244.3/2

Right Out: 287.413 $\pm$ 0.083 χ^2/NDF : 2690258.0/18

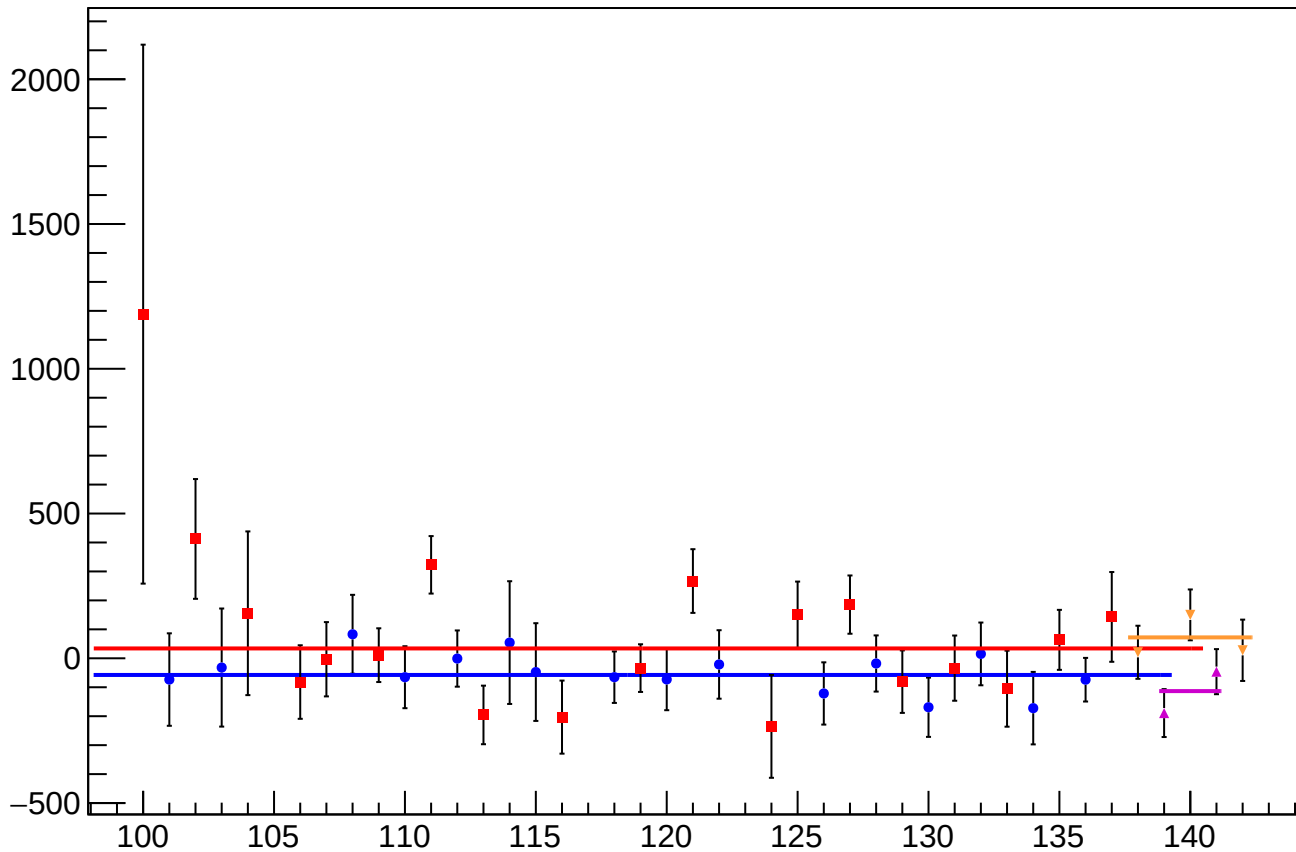
Left In: 313.566 $\pm$ 0.171 χ^2/NDF : 78464.3/1

+ sign 305.631 $\pm$ 0.076 χ^2/NDF : 2163263.0/18

All: 298.964 $\pm$ 0.053 χ^2/NDF : 4966180.2/39

- sign 292.443 $\pm$ 0.075 χ^2/NDF : 2787622.2/20

dit_asym_sam7_mean vs Slug



Right In: -57.533 ± 28.087 χ^2/NDF : 4.9/15

Left Out: 72.195 ± 54.413 χ^2/NDF : 1.3/2

Right Out: 34.033 ± 27.398 χ^2/NDF : 37.1/18

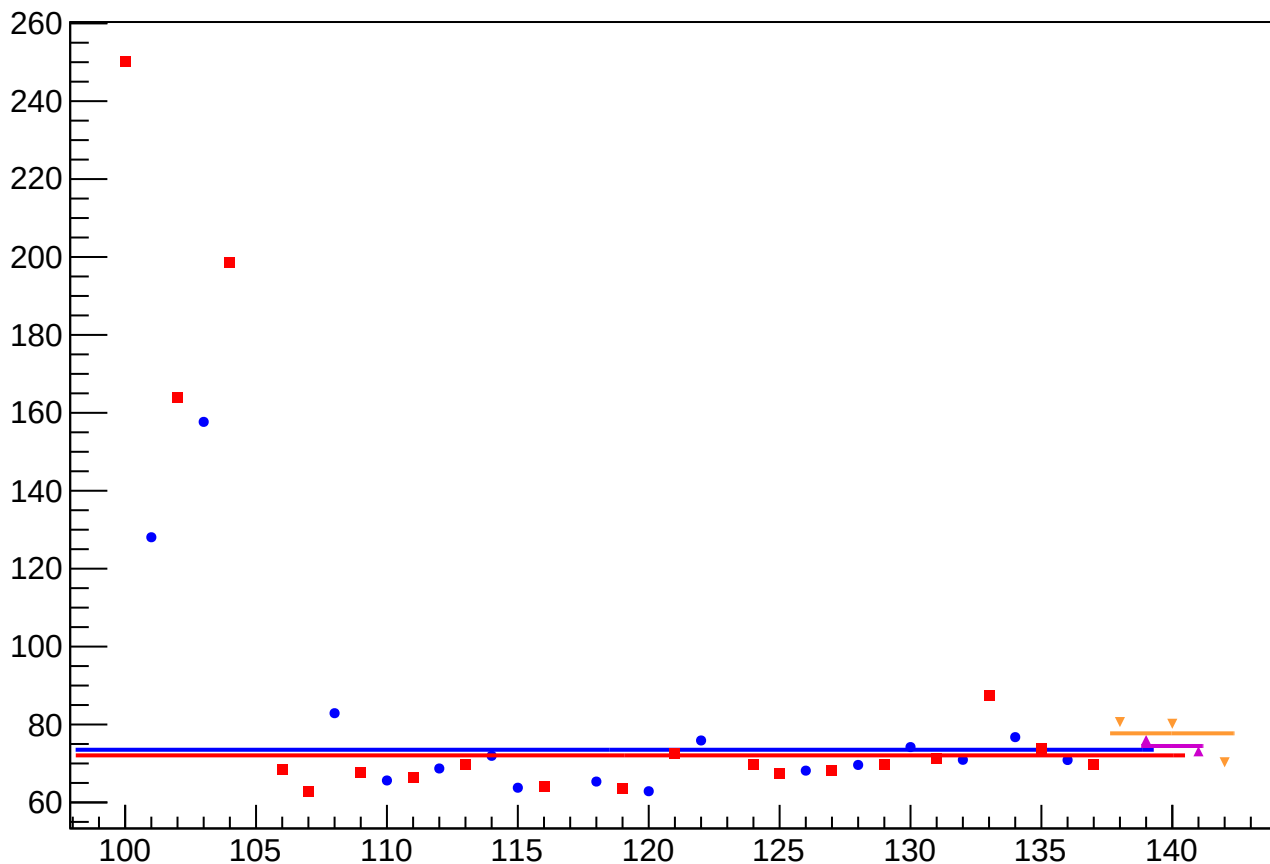
Left In: -113.294 ± 56.710 χ^2/NDF : 1.6/1

+ sign -30.240 ± 24.958 χ^2/NDF : 10.6/18

All: -11.832 ± 17.545 χ^2/NDF : 55.9/39

- sign 6.153 ± 24.670 χ^2/NDF : 44.2/20

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF : 656847.5/15

Left Out: 77.730+/-0.038 χ^2/NDF :13399.2/2

Right Out: 72.074+/-0.019 χ^2/NDF : 958495.0/18

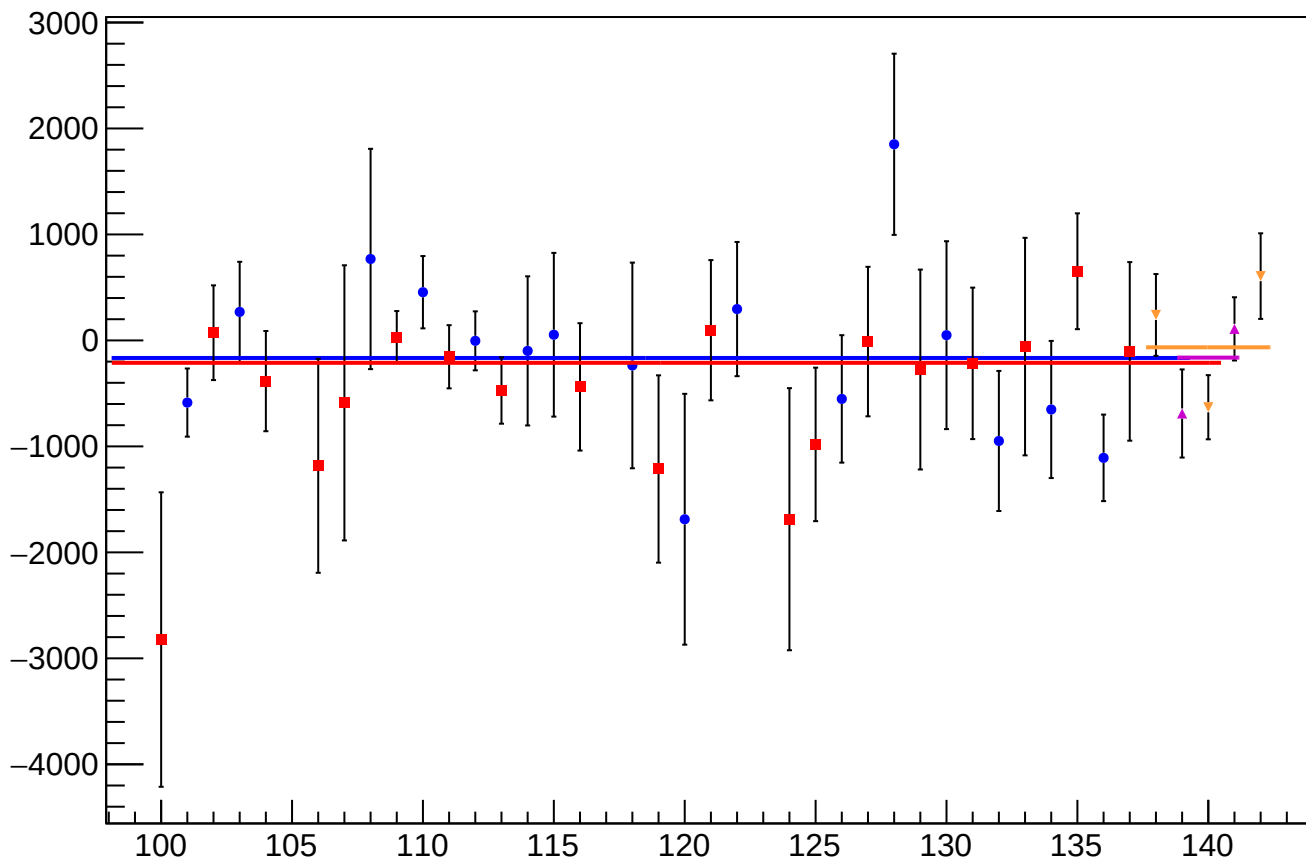
Left In: 74.484+/-0.040 χ^2/NDF :1299.1/1

+ sign 74.405+/-0.018 χ^2/NDF : 679705.1/18

All: 73.457+/-0.012 χ^2/NDF : 1648137.2/39

- sign 72.530+/-0.017 χ^2/NDF : 962723.3/20

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF : 22.6/15

Left Out: -65.025+/-205.171 $\chi^2/\text{NDF}: 6.9/2$

Right Out: -211.347 ± 120.122 χ^2/NDF : 13.6/18

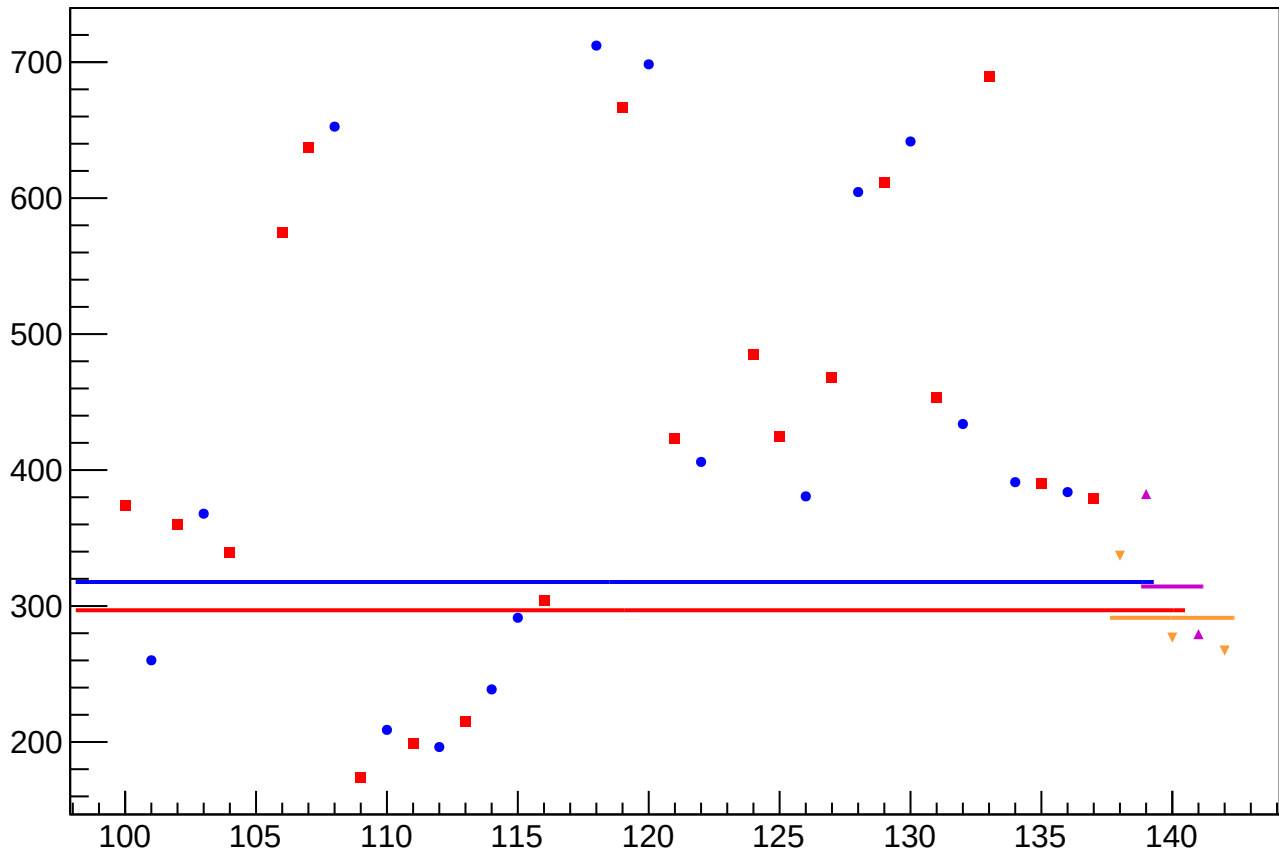
Left In: -162.339+/-242.342 χ^2/NDF :2.4/1

+ sign -137.211+/-108.866 χ^2/NDF : 29.7/18

All: -169.816 ± 76.538 χ^2/NDF : 45.9/39

- sign -201.681+/-107.626 χ^2/NDF : 16.1/20

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664 $\pm$ 0.091 χ^2/NDF : 2136192.8/15

Left Out: 291.330 $\pm$ 0.145 χ^2/NDF : 39757.5/2

Right Out: 296.888 $\pm$ 0.085 χ^2/NDF : 2541040.3/18

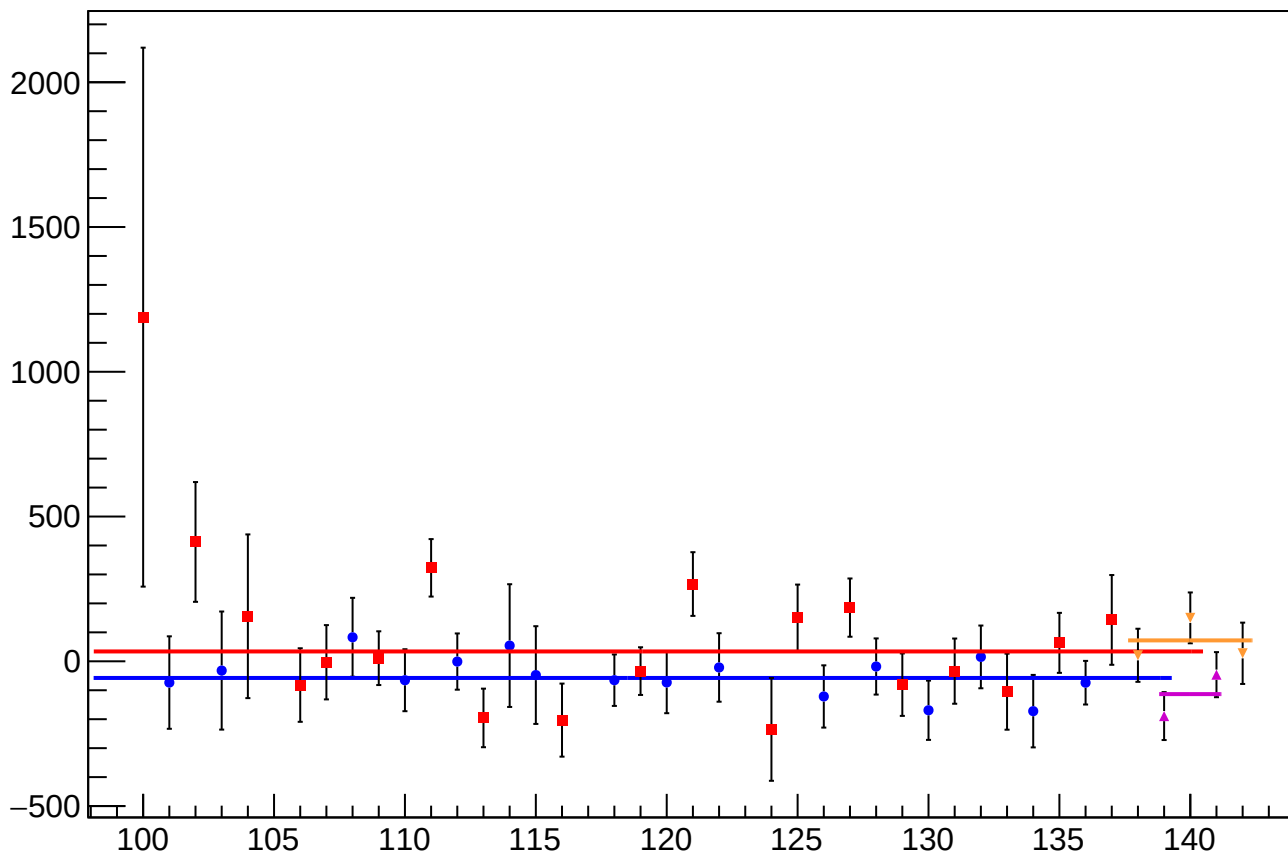
Left In: 314.351 $\pm$ 0.171 χ^2/NDF : 81115.6/1

+ sign 310.250 $\pm$ 0.077 χ^2/NDF : 2199621.5/18

All: 305.234 $\pm$ 0.054 χ^2/NDF : 4838507.7/39

- sign 300.332 $\pm$ 0.076 χ^2/NDF : 2630492.2/20

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532 ± 28.087 χ^2/NDF : 4.9/15

Left Out: 72.193 ± 54.413 χ^2/NDF : 1.3/2

Right Out: 34.034 ± 27.398 χ^2/NDF : 37.1/18

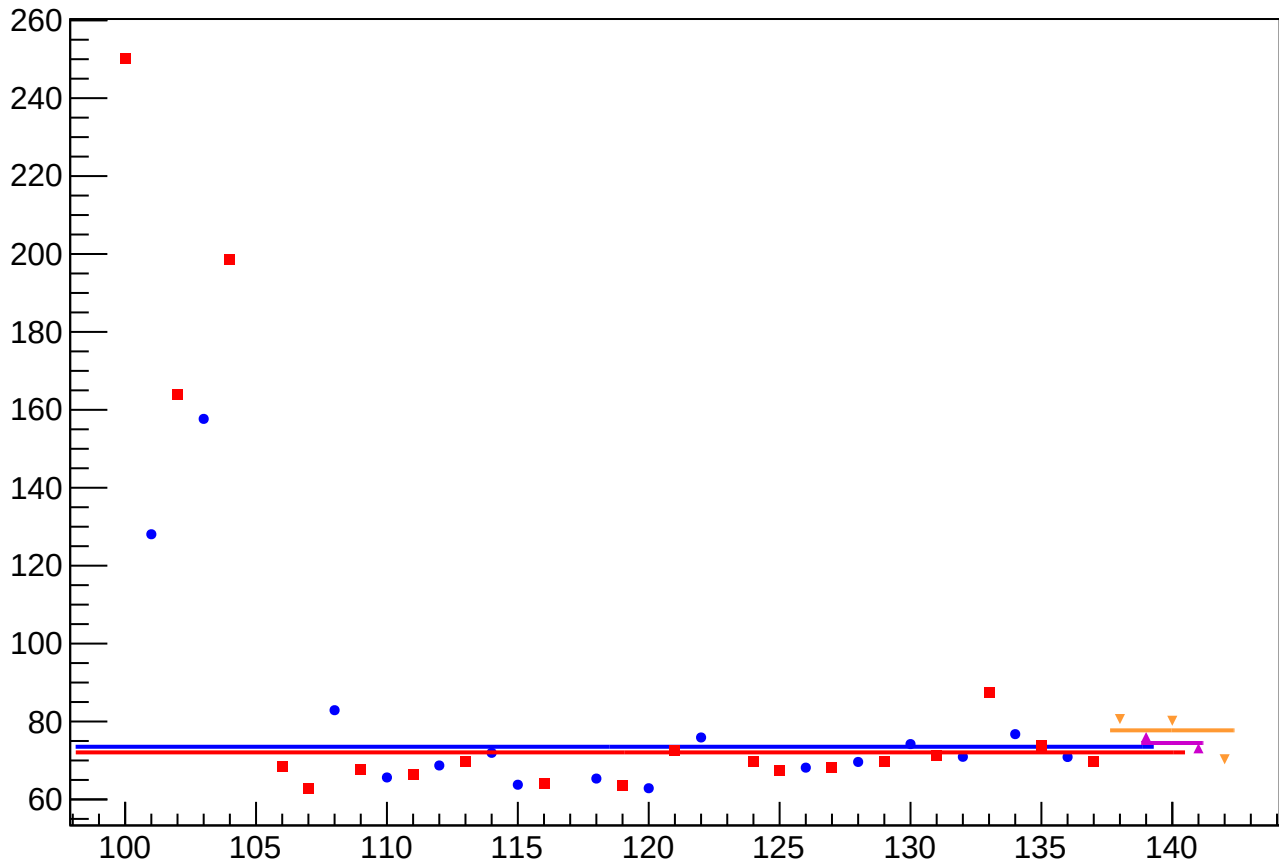
Left In: -113.295 ± 56.710 χ^2/NDF : 1.6/1

+ sign -30.240 ± 24.958 χ^2/NDF : 10.6/18

All: -11.832 ± 17.545 χ^2/NDF : 55.9/39

- sign 6.154 ± 24.670 χ^2/NDF : 44.2/20

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF : 656849.2/15

Left Out: 77.730+/-0.038 χ^2/NDF :13398.7/2

Right Out: 72.074+/-0.019 χ^2/NDF : 958496.3/18

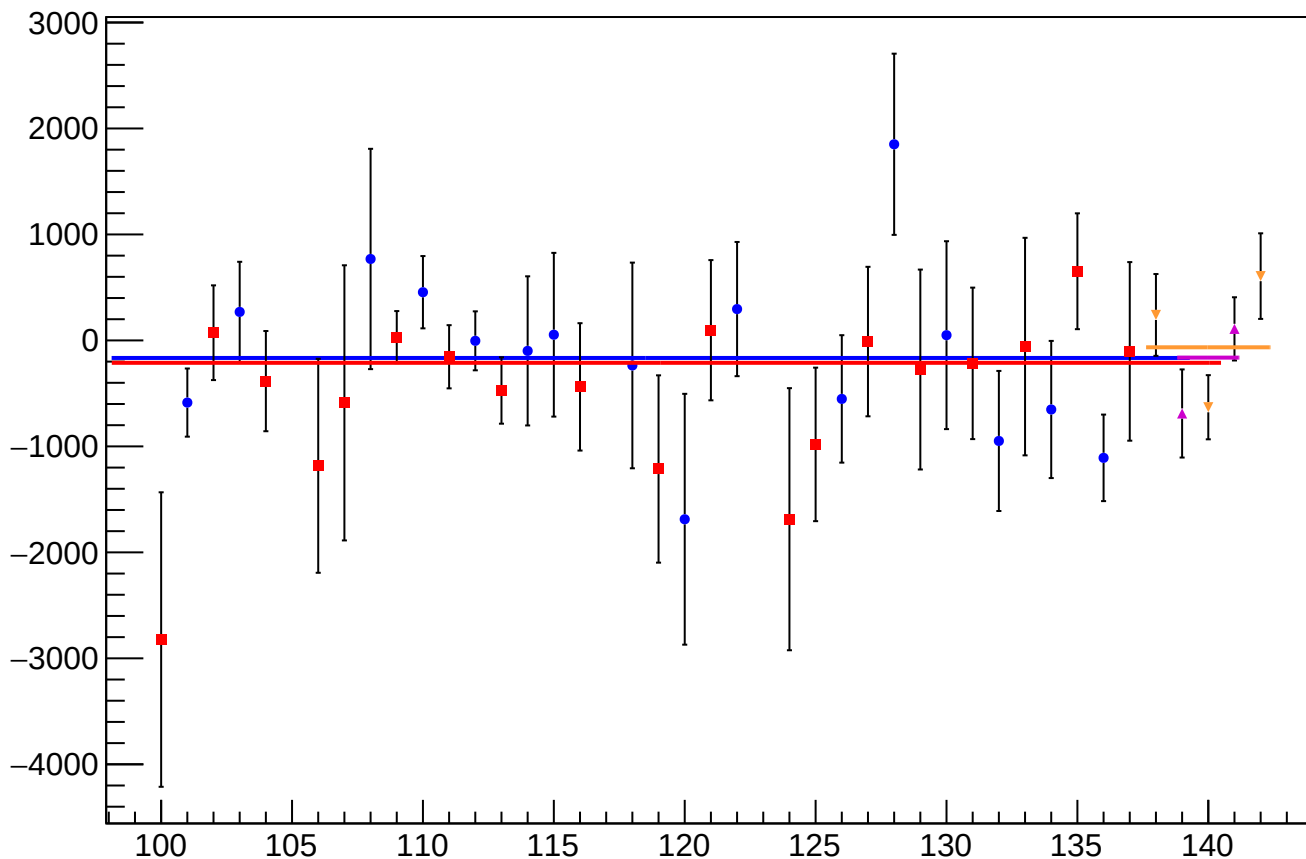
Left In: 74.484+/-0.040 χ^2/NDF :1299.1/1

+ sign 74.405+/-0.018 χ^2/NDF : 679707.0/18

All: 73.457+/-0.012 χ^2/NDF : 1648140.4/39

- sign 72.530+/-0.017 χ^2/NDF : 962724.8/20

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498 ± 128.437 χ^2/NDF : 22.6/15

Left Out: -65.026 ± 205.170 χ^2/NDF : 6.9/2

Right Out: -211.347 ± 120.121 χ^2/NDF : 13.6/18

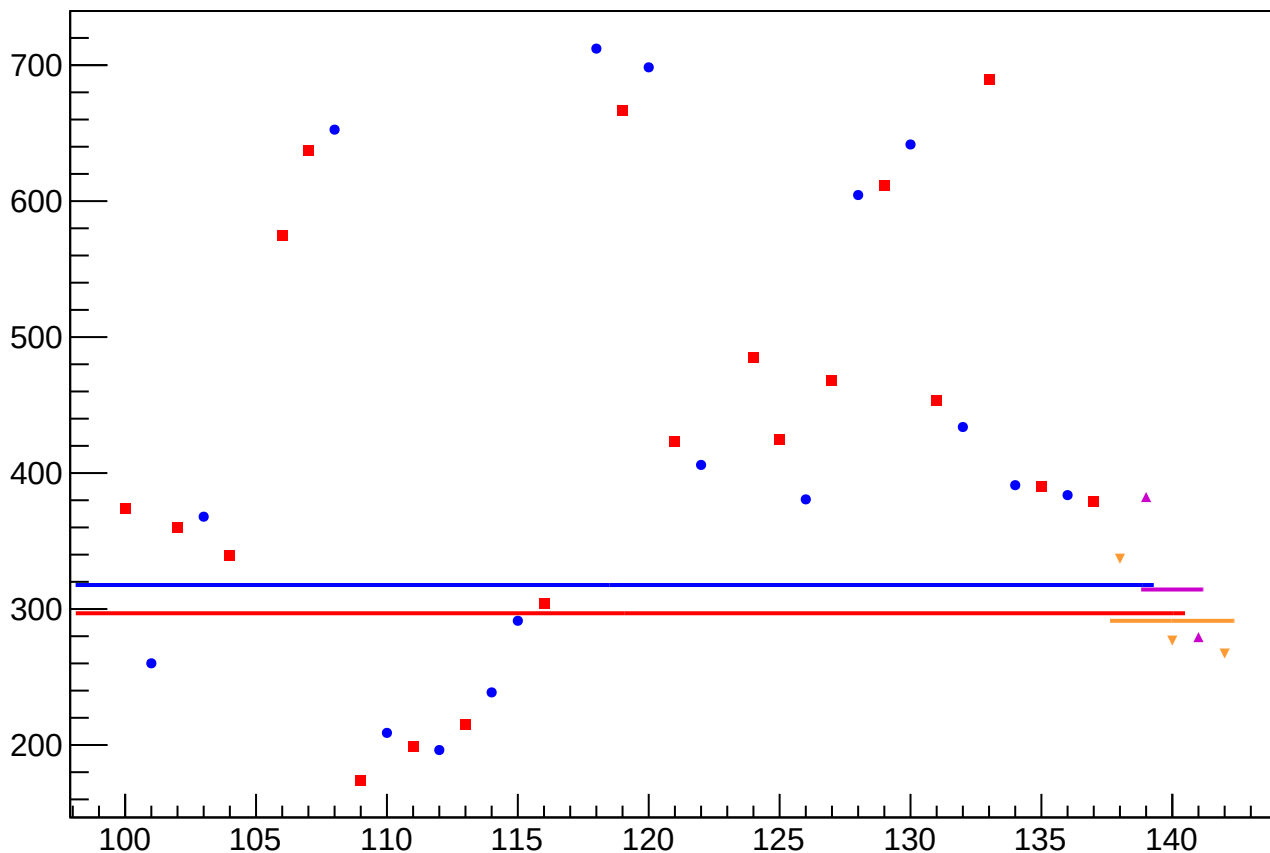
Left In: -162.341 ± 242.342 χ^2/NDF : 2.4/1

+ sign -137.211 ± 108.865 χ^2/NDF : 29.7/18

All: -169.815 ± 76.537 χ^2/NDF : 45.9/39

- sign -201.681 ± 107.625 χ^2/NDF : 16.1/20

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661 +/- 0.091 χ^2/NDF : 2136224.4/15

Left Out: 291.330 +/- 0.145 χ^2/NDF : 39757.4/2

Right Out: 296.887 +/- 0.085 χ^2/NDF : 2541051.2/18

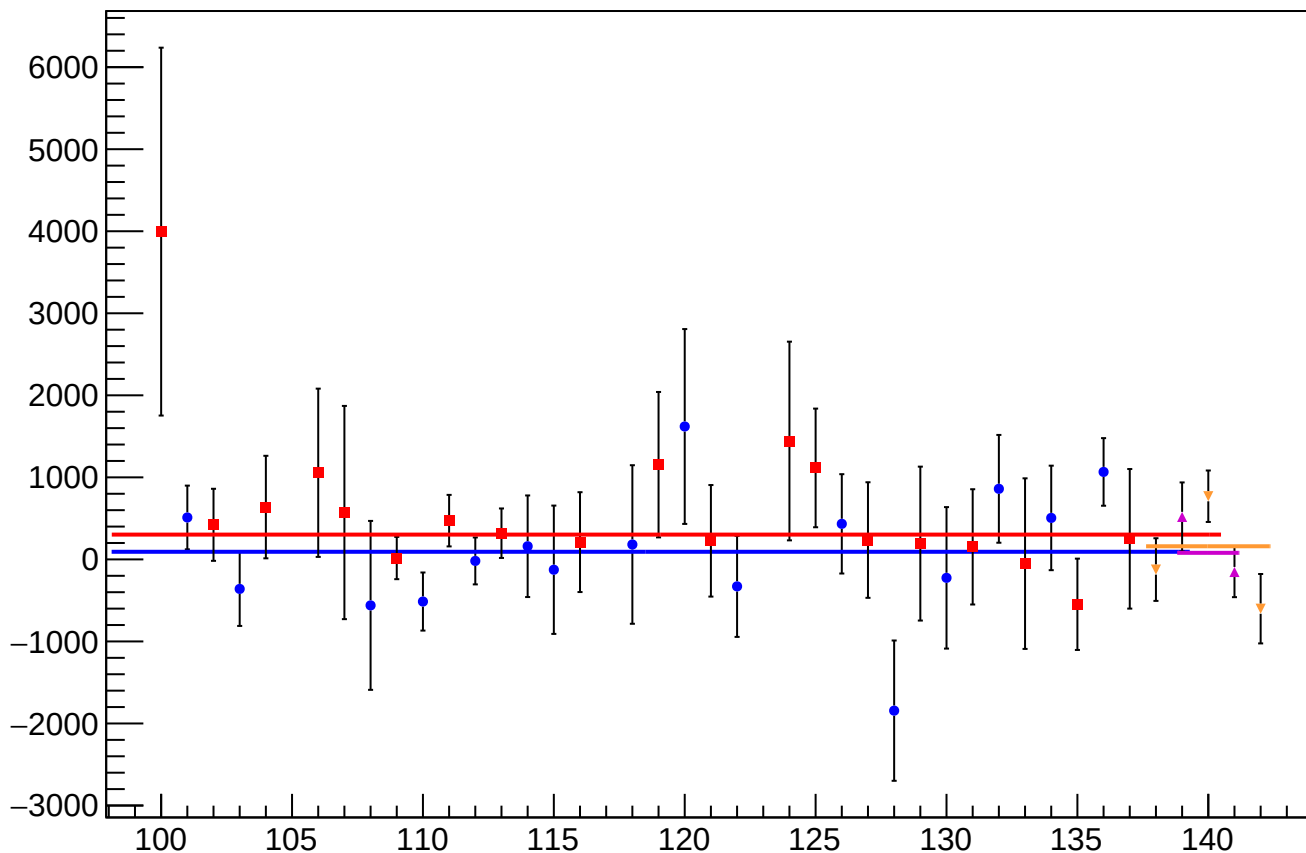
Left In: 314.351 +/- 0.171 χ^2/NDF : 81114.6/1

+ sign 310.248 +/- 0.077 χ^2/NDF : 2199649.2/18

All: 305.233 +/- 0.054 χ^2/NDF : 4838546.0/39

- sign 300.331 +/- 0.076 χ^2/NDF : 2630503.6/20

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF : 20.8/15

Left Out: 160.026+/-210.315 χ^2/NDF : 7.6/2

Right Out: 302.273+/-123.916 χ^2/NDF : 10.8/18

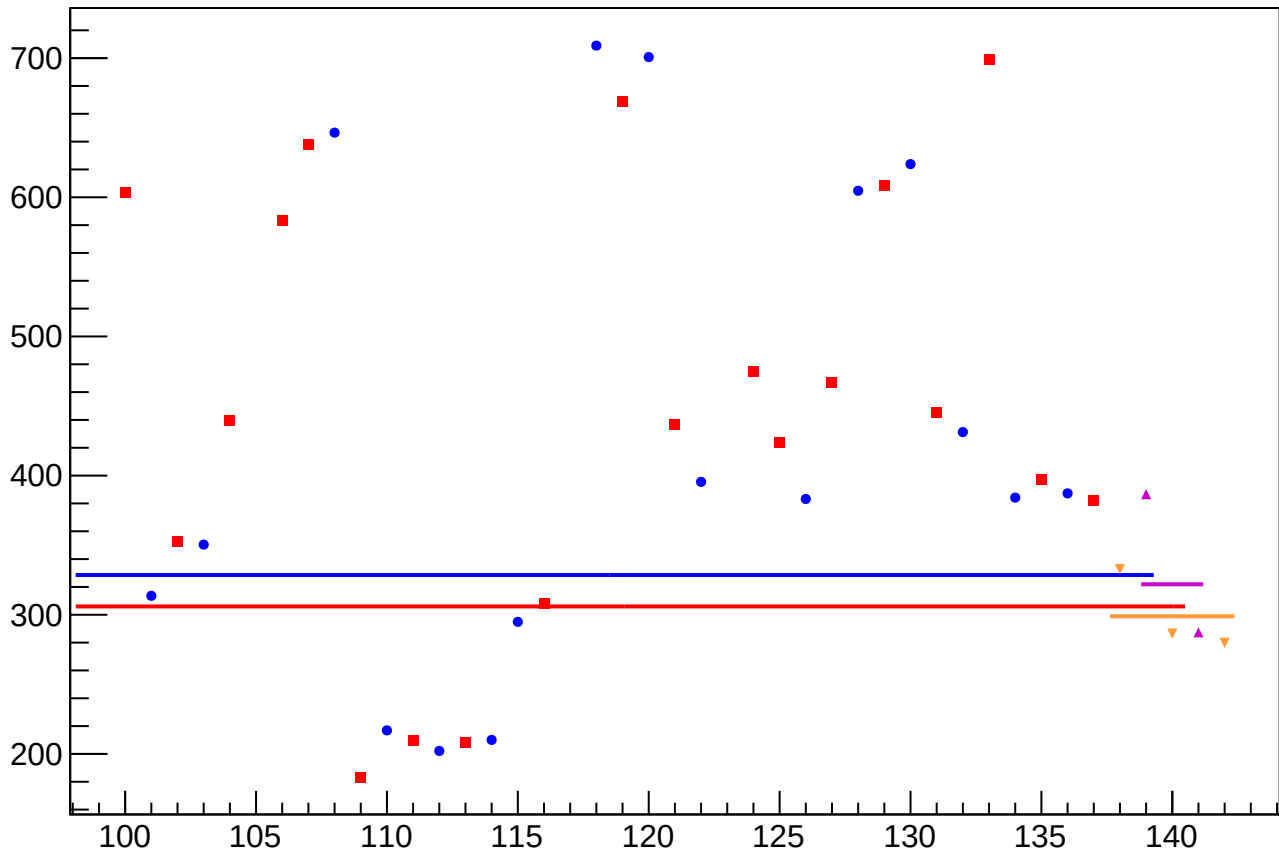
Left In: 80.019+/-247.931 χ^2/NDF : 1.7/1

+ sign 111.785+/-111.759 χ^2/NDF : 28.5/18

All: 185.419+/-78.700 χ^2/NDF : 42.4/39

- sign 257.850+/-110.843 χ^2/NDF : 13.1/20

asym_sam7_rms vs Slug



Right In: 328.567 $\pm$ 0.093 χ^2 /NDF: 1958873.4/15

Left Out: 298.896 $\pm$ 0.149 χ^2 /NDF: 22885.6/2

Right Out: 305.988 $\pm$ 0.088 χ^2 /NDF: 2527463.5/18

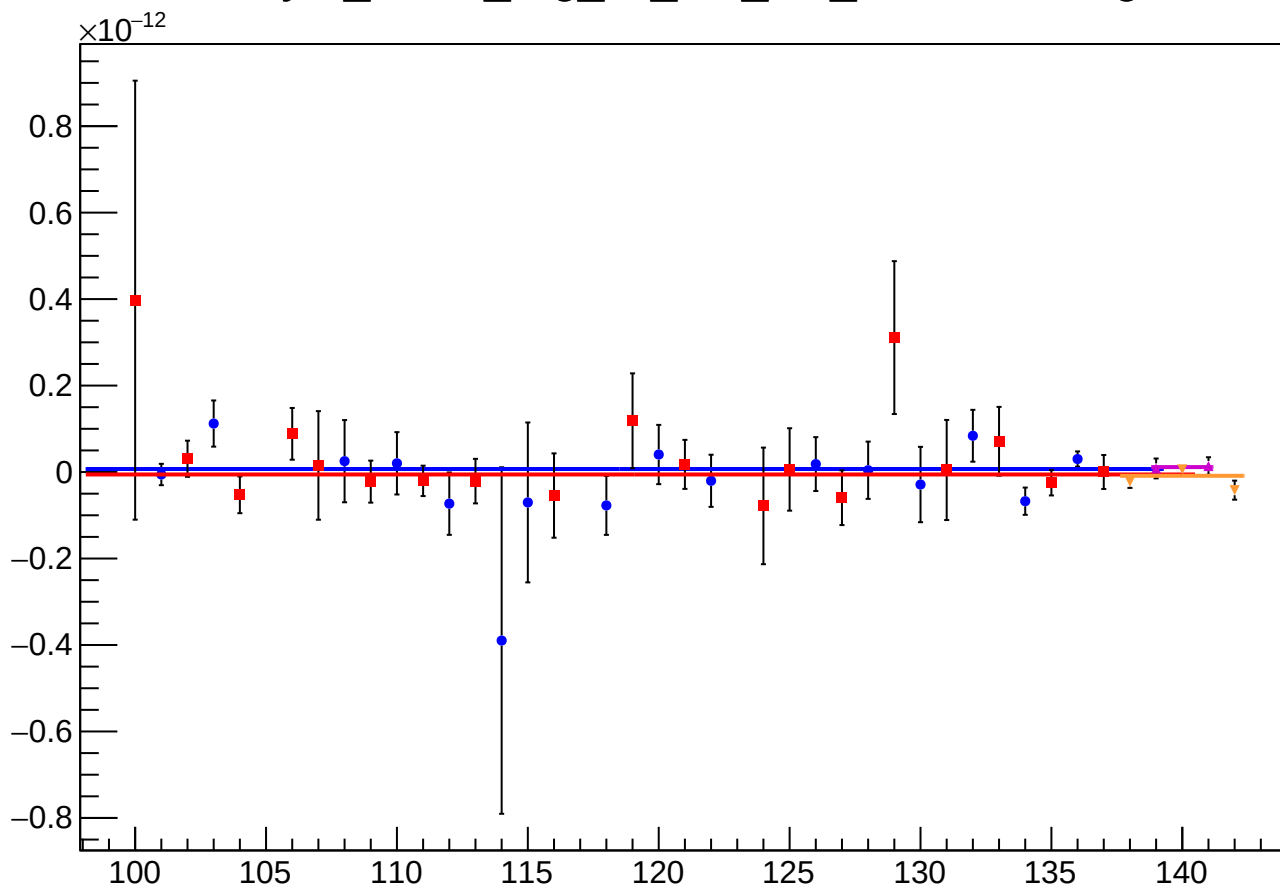
Left In: 321.904 $\pm$ 0.175 χ^2 /NDF: 72722.6/1

+ sign 320.188 $\pm$ 0.079 χ^2 /NDF: 2010325.2/18

All: 314.634 $\pm$ 0.056 χ^2 /NDF: 4626906.7/39

- sign 309.169 $\pm$ 0.078 χ^2 /NDF: 2606780.7/20

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 : 5.1/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.8/18

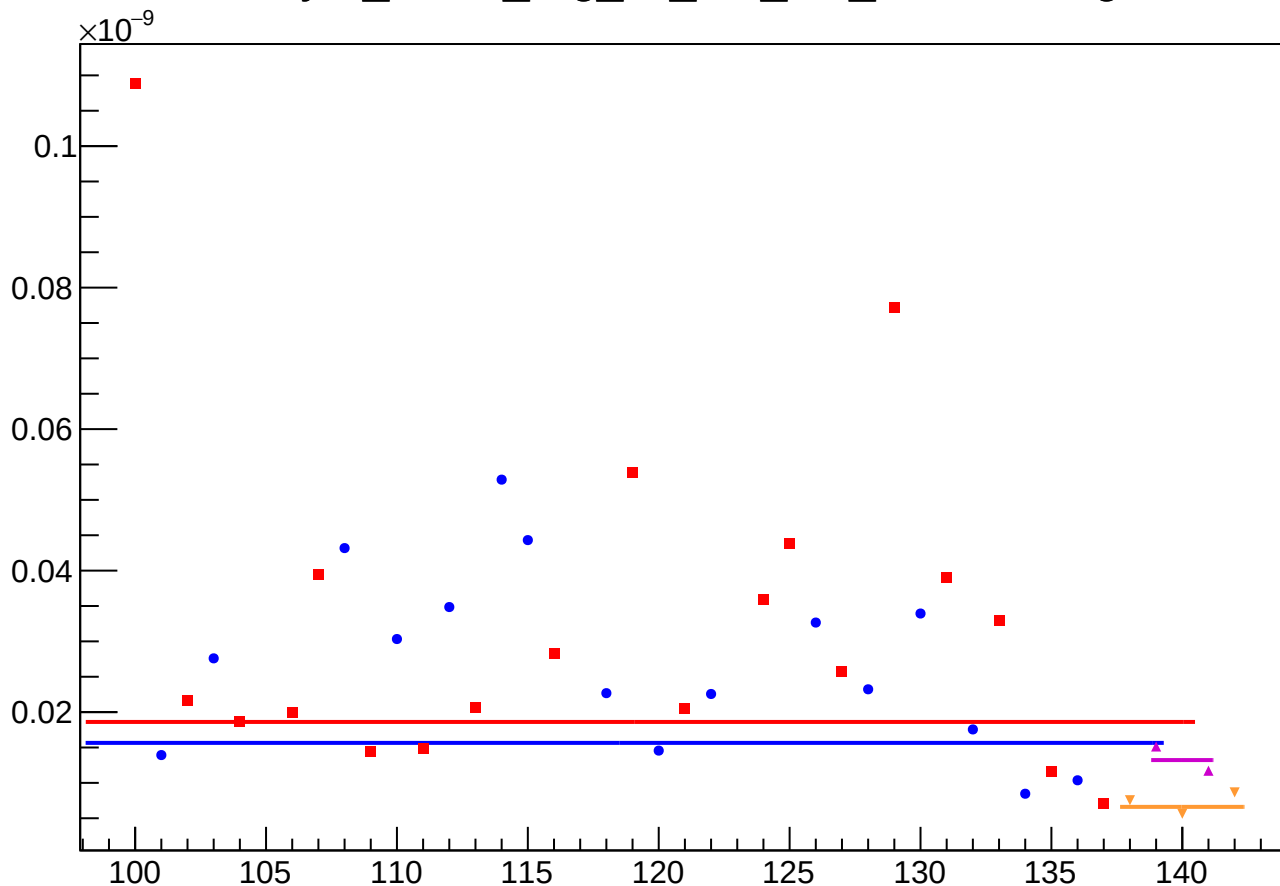
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 24.2/18

All: -0.000 ± 0.000 χ^2/NDF : 37.9/39

- sign 0.000 ± 0.000 χ^2/NDF : 13.6/20

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 : 42485.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1228542.0/18

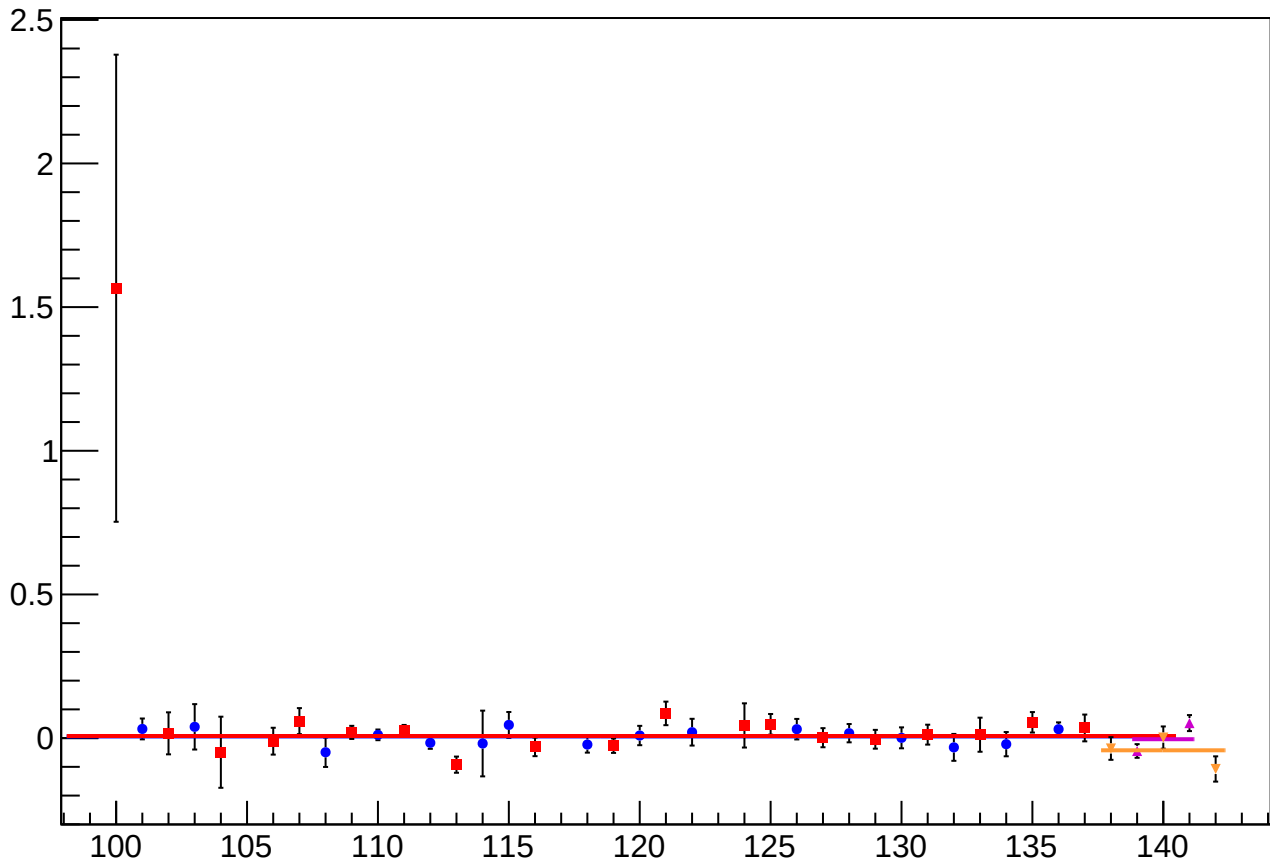
Left In: 0.000+/-0.000 χ^2/NDF : 24988.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 2098836.5/18

All: 0.000+/-0.000 χ^2/NDF : 4137375.0/39

- sign 0.000+/-0.000 χ^2/NDF : 1400098.4/20

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: -0.042 $\pm$ 0.023 χ^2 /NDF: 3.5/2

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

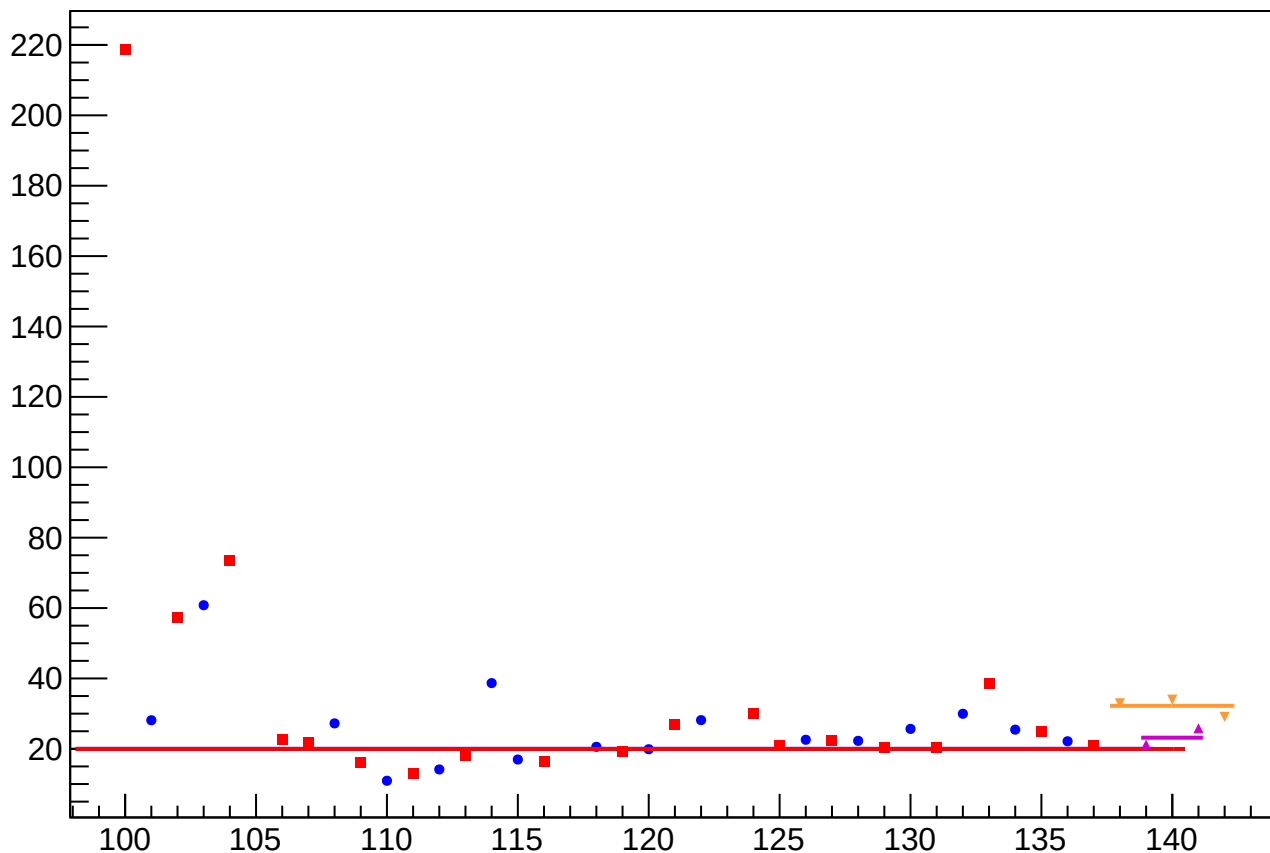
Left In: -0.004 $\pm$ 0.018 χ^2 /NDF: 7.0/1

+ sign 0.001 $\pm$ 0.008 χ^2 /NDF: 15.2/18

All: 0.003 $\pm$ 0.005 χ^2 /NDF: 52.5/39

- sign 0.005 $\pm$ 0.007 χ^2 /NDF: 37.1/20

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF : 1641371.9/15

Left Out: 32.220+/-0.017 χ^2/NDF : 14997.1/2

Right Out: 19.963+/-0.006 χ^2/NDF : 1716895.2/18

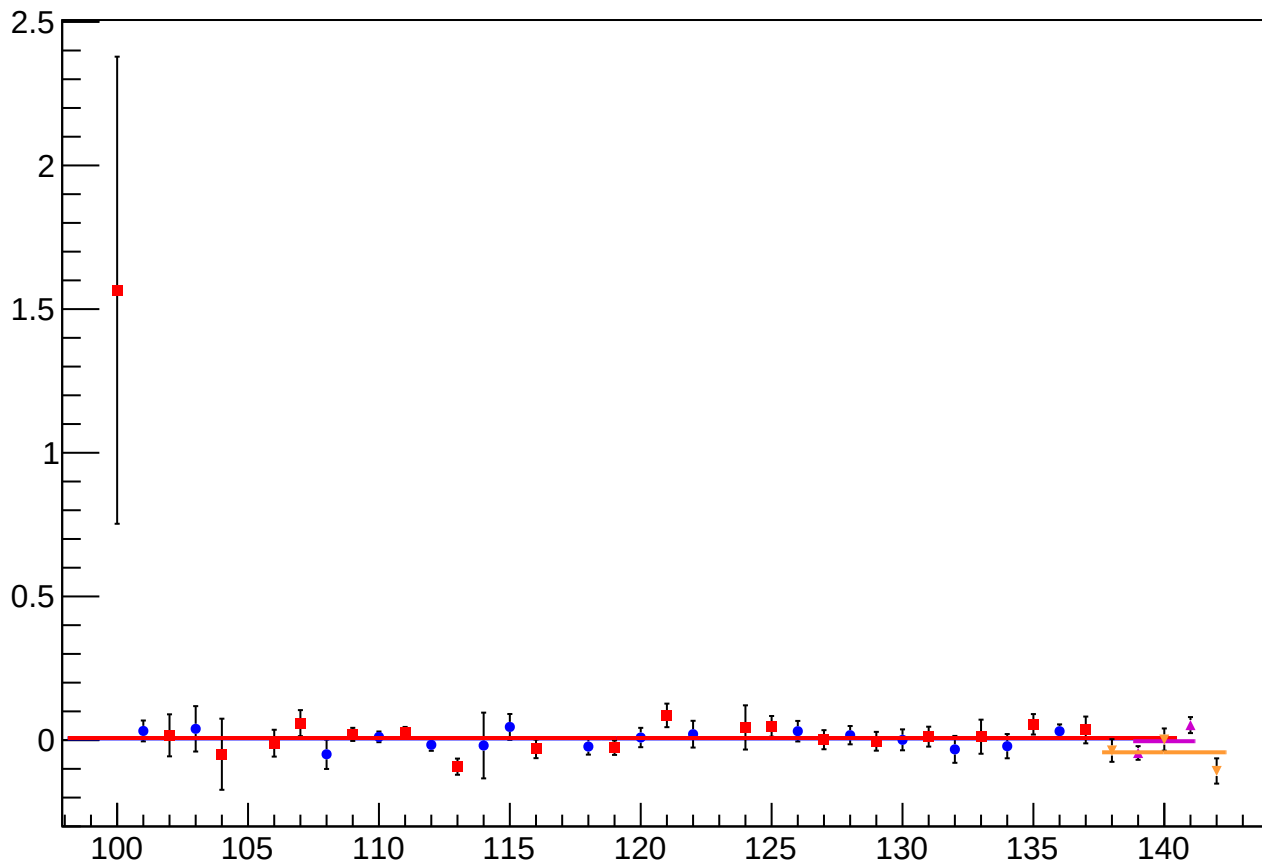
Left In: 23.167+/-0.013 χ^2/NDF : 31753.1/1

+ sign 21.328+/-0.005 χ^2/NDF : 2143028.5/18

All: 20.895+/-0.004 χ^2/NDF : 3956055.6/39

- sign 20.497+/-0.005 χ^2/NDF : 1800916.5/20

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: -0.042 $\pm$ 0.023 χ^2 /NDF: 3.5/2

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

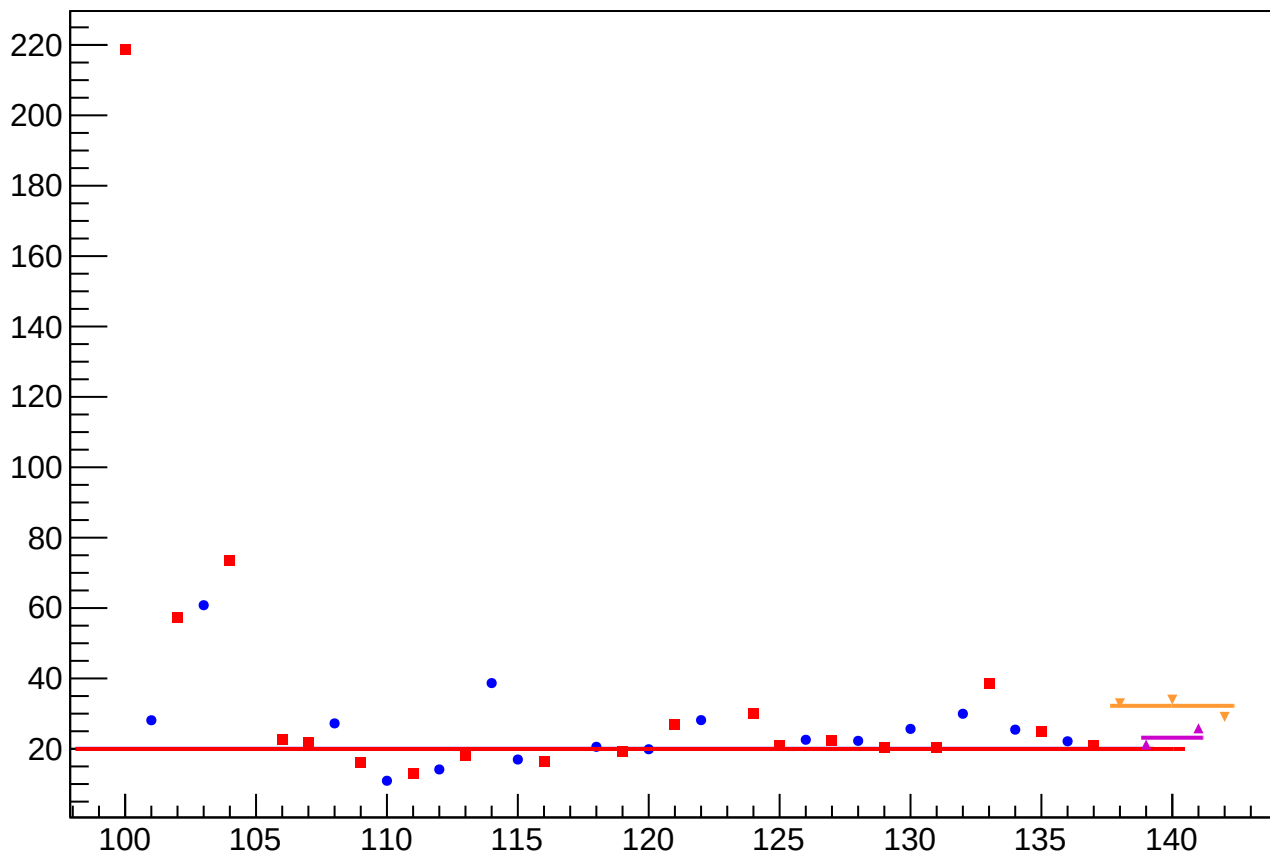
Left In: -0.004 $\pm$ 0.018 χ^2 /NDF: 7.0/1

+ sign 0.001 $\pm$ 0.008 χ^2 /NDF: 15.2/18

All: 0.003 $\pm$ 0.005 χ^2 /NDF: 52.5/39

- sign 0.005 $\pm$ 0.007 χ^2 /NDF: 37.1/20

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF : 1641371.9/15

Left Out: 32.220+/-0.017 χ^2/NDF :14997.1/2

Right Out: 19.963+/-0.006 χ^2/NDF : 1716895.2/18

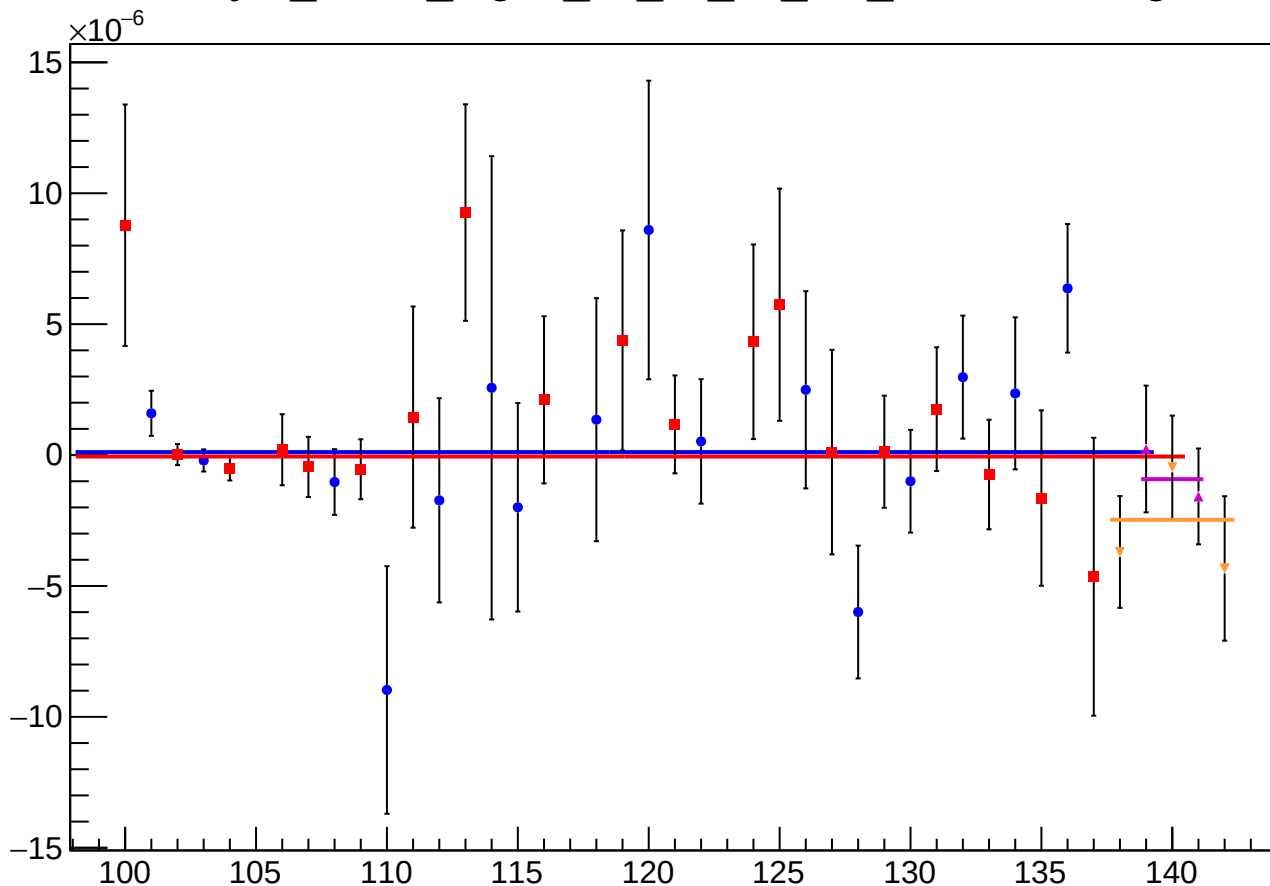
Left In: 23.167+/-0.013 χ^2/NDF :31753.1/1

+ sign 21.328+/-0.005 χ^2/NDF : 2143028.5/18

All: 20.895+/-0.004 χ^2/NDF : 3956055.6/39

- sign 20.497+/-0.005 χ^2/NDF : 1800916.5/20

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: 1.8/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/18

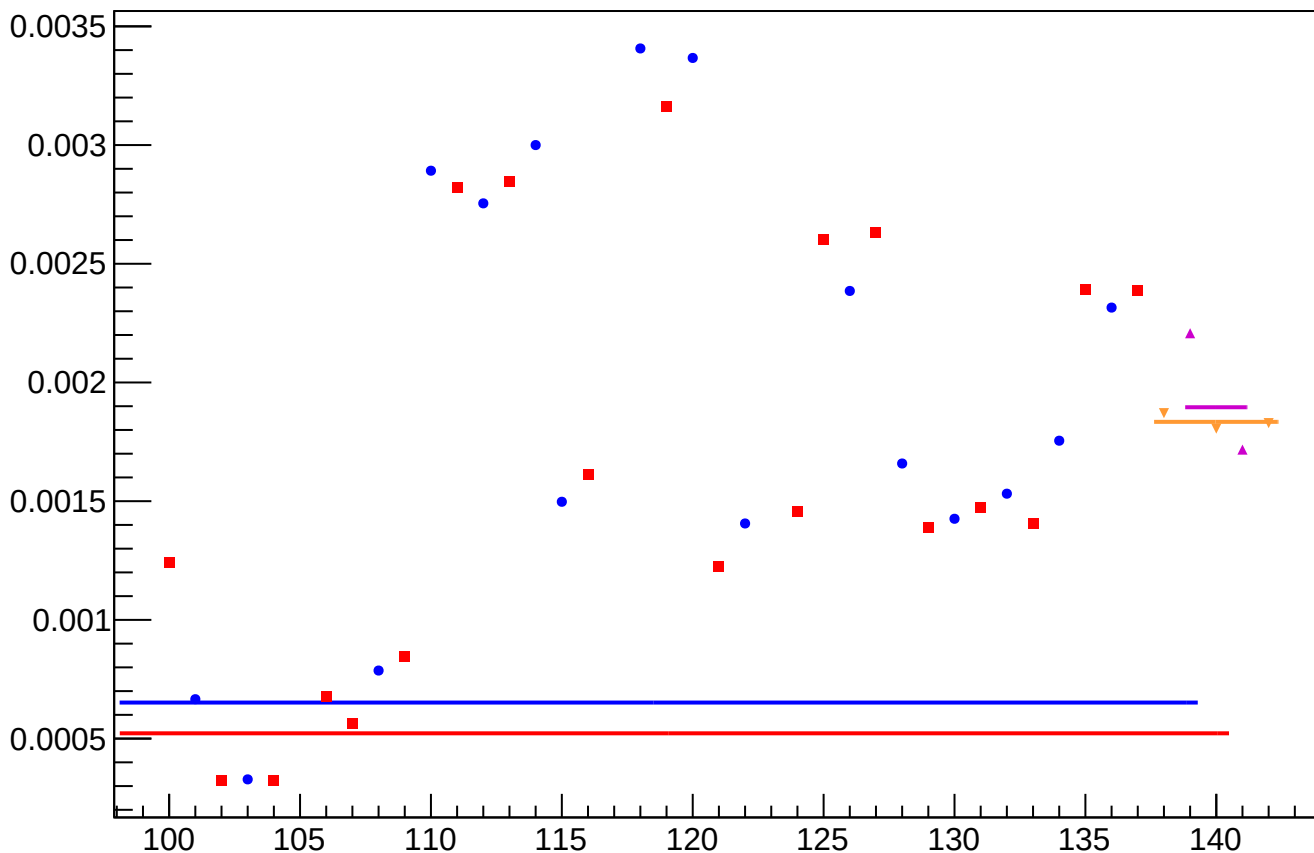
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.7/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 49.5/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/20

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 : 1015.0/2

Right Out: 0.001+/-0.000 χ^2/NDF : 6676790.5/18

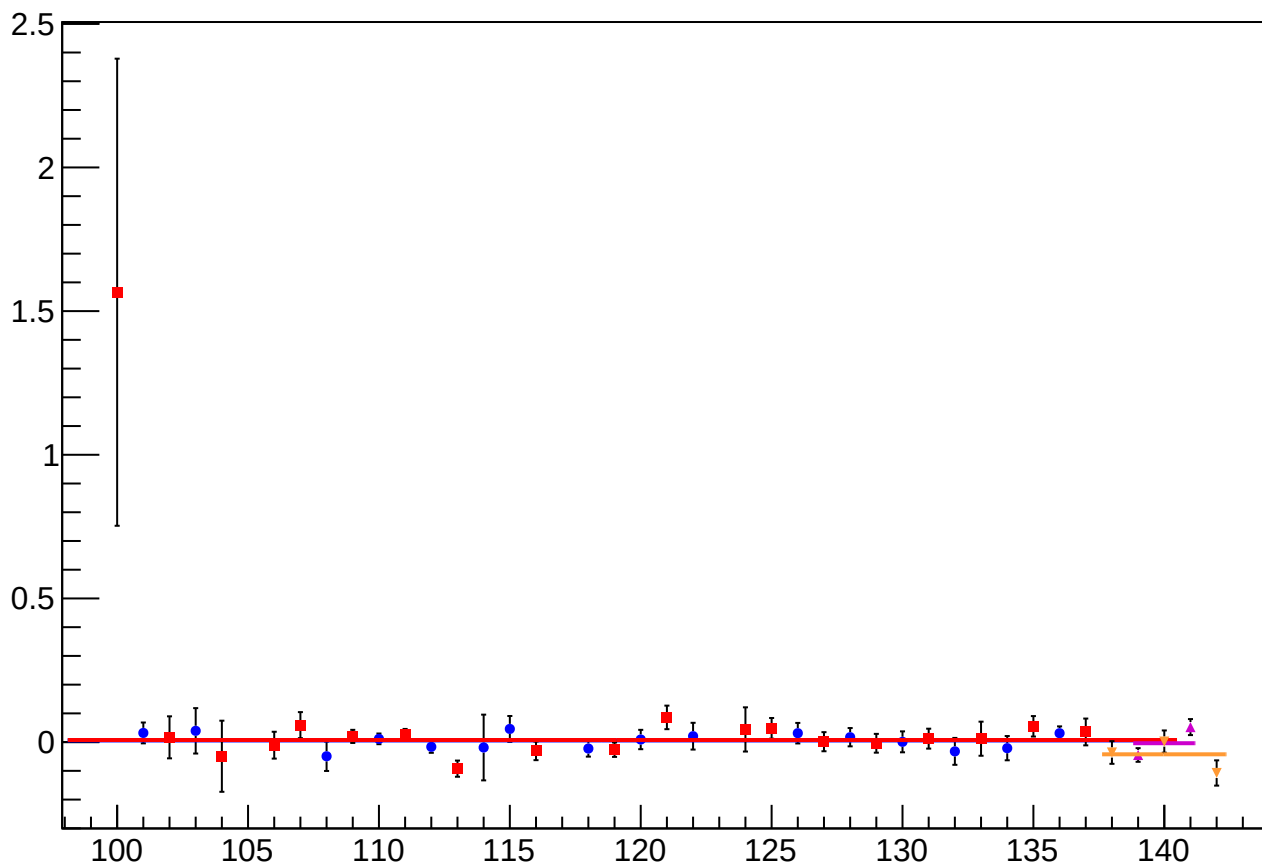
Left In: 0.002+/-0.000 χ^2/NDF : 52177.3/1

+ sign 0.001+/-0.000 χ^2/NDF : 7949268.8/18

All: 0.001+/-0.000 χ^2/NDF : 16702701.6/39

- sign 0.001+/-0.000 χ^2/NDF : 8444218.4/20

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 χ^2/NDF : 7.9/15

Left Out: -0.042 ± 0.023 χ^2/NDF : 3.5/2

Right Out: 0.007 ± 0.008 χ^2/NDF : 29.8/18

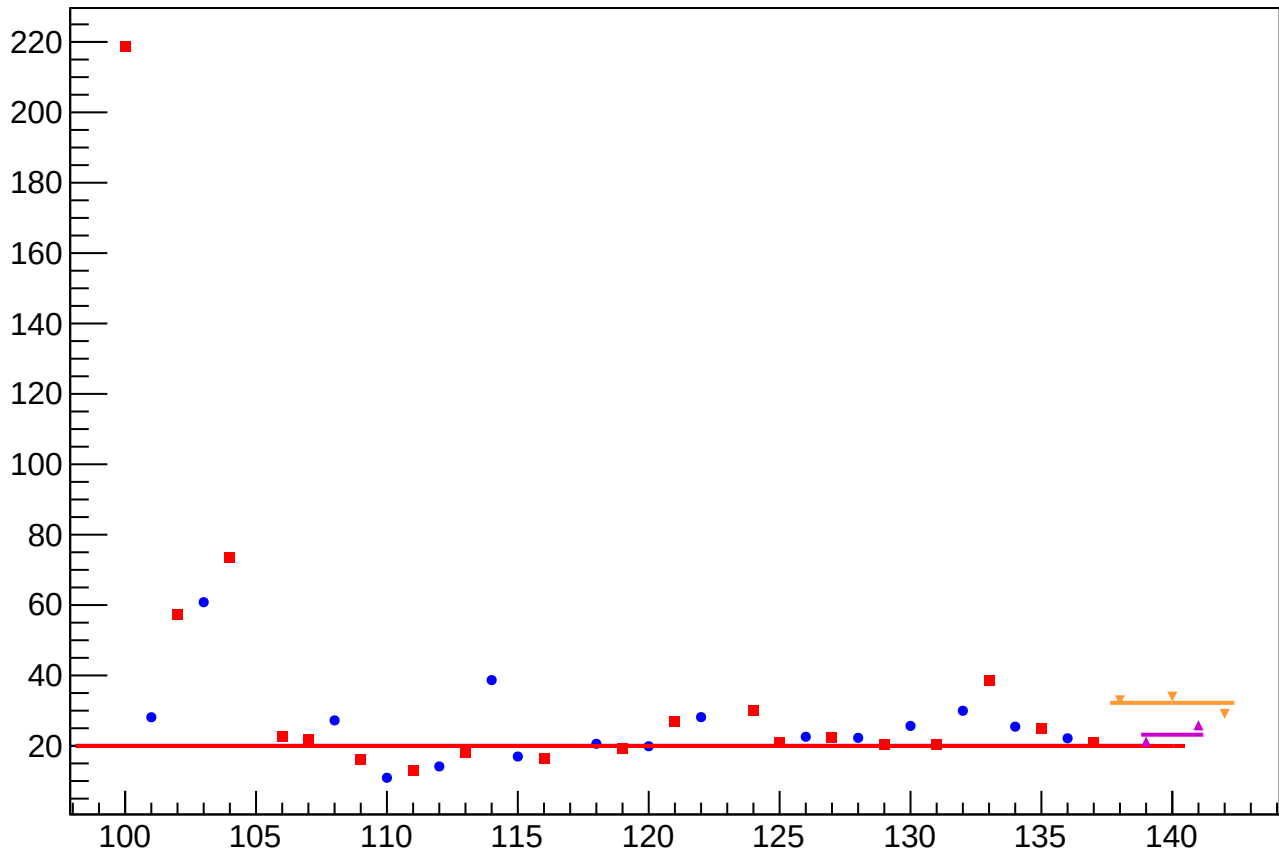
Left In: -0.004 ± 0.018 χ^2/NDF : 7.0/1

+ sign 0.001 ± 0.008 χ^2/NDF : 15.2/18

All: 0.003 ± 0.005 χ^2/NDF : 52.5/39

- sign 0.005 ± 0.007 χ^2/NDF : 37.1/20

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF : 1641197.3/15

Left Out: 32.220+/-0.017 χ^2/NDF :14994.8/2

Right Out: 19.963+/-0.006 χ^2/NDF : 1716830.0/18

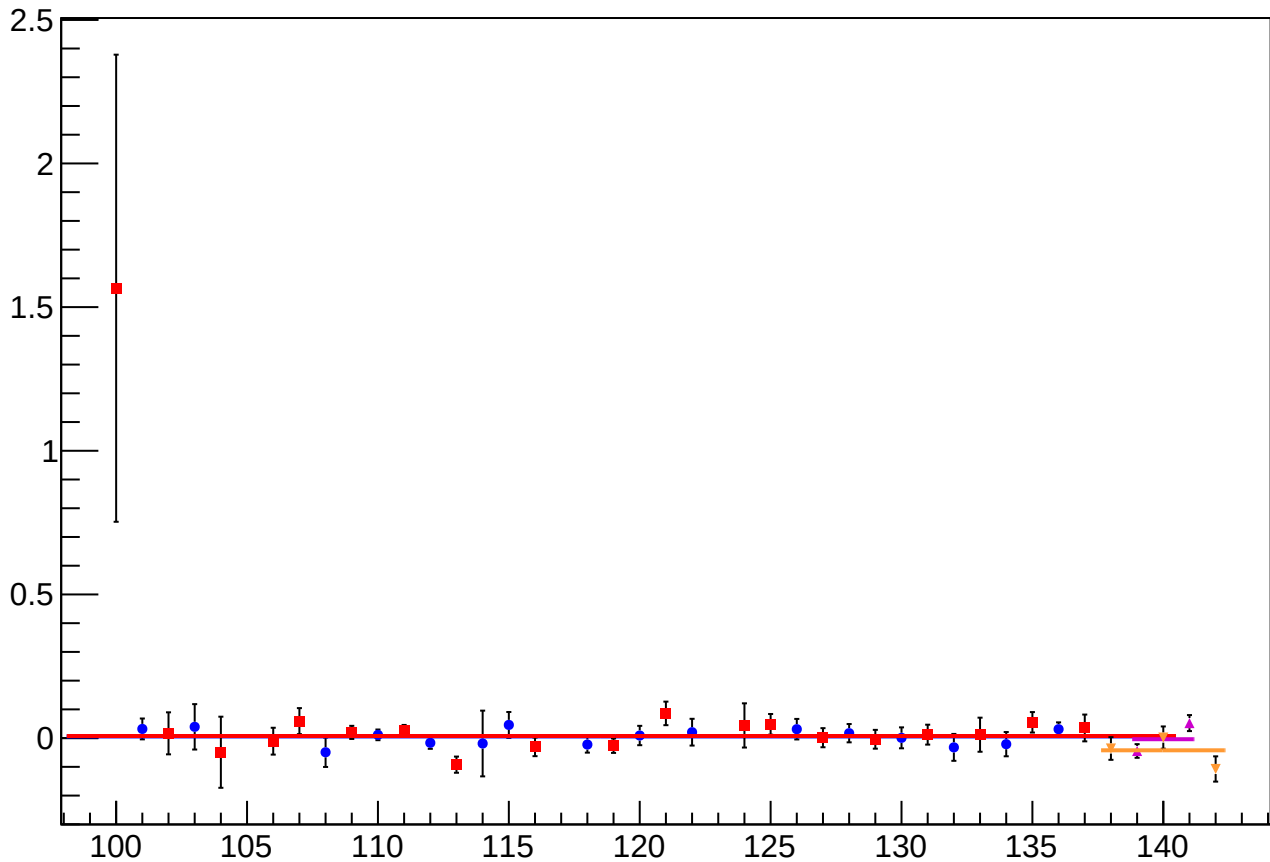
Left In: 23.167+/-0.013 χ^2/NDF :31755.7/1

+ sign 21.329+/-0.005 χ^2/NDF : 2142819.0/18

All: 20.895+/-0.004 χ^2/NDF : 3955788.7/39

- sign 20.497+/-0.005 χ^2/NDF : 1800849.0/20

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 ± 0.008 χ^2/NDF : 7.9/15

Left Out: -0.042 ± 0.023 χ^2/NDF : 3.5/2

Right Out: 0.007 ± 0.008 χ^2/NDF : 29.8/18

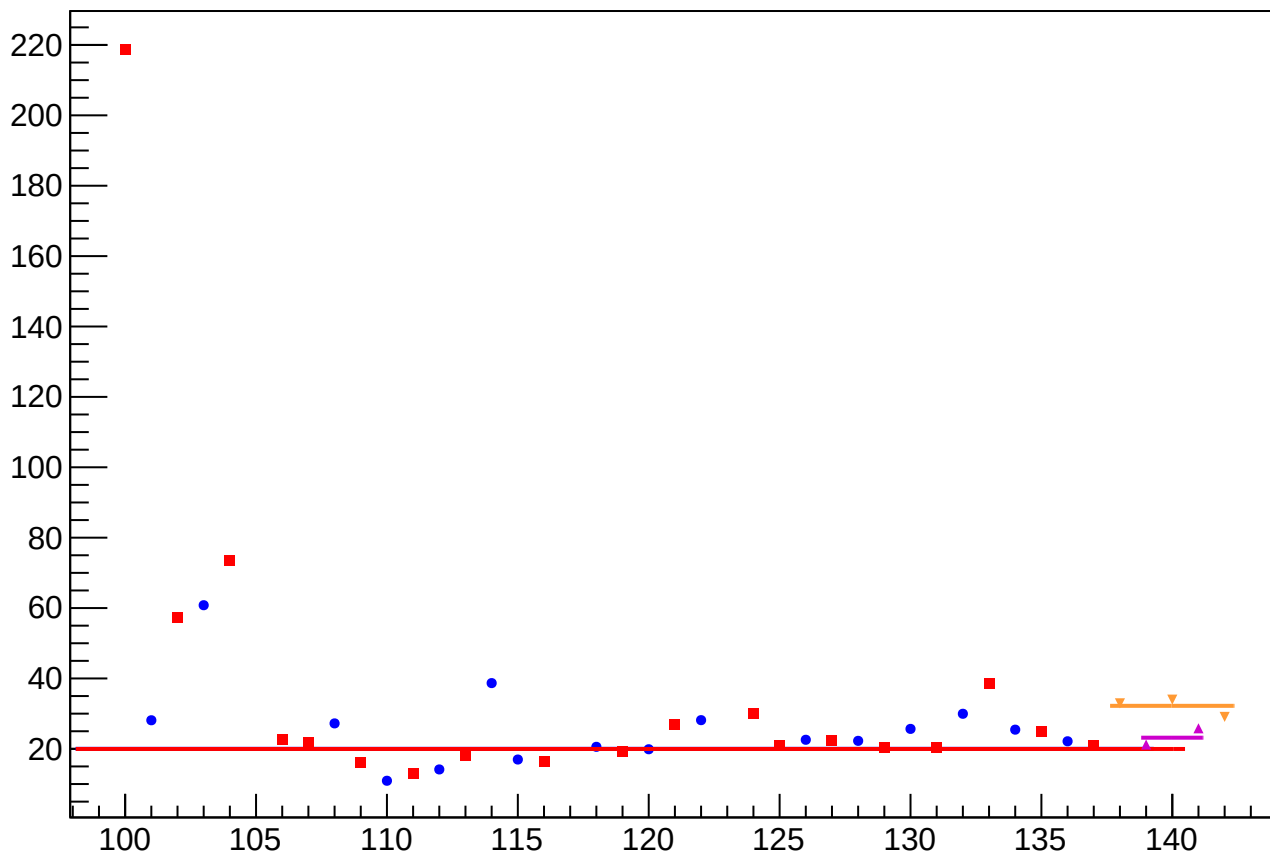
Left In: -0.004 ± 0.018 χ^2/NDF : 7.0/1

+ sign 0.001 ± 0.008 χ^2/NDF : 15.2/18

All: 0.003 ± 0.005 χ^2/NDF : 52.5/39

- sign 0.005 ± 0.007 χ^2/NDF : 37.1/20

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: 32.220 $\pm$ 0.017 χ^2 /NDF:14994.8/2

Right Out: 19.963 $\pm$ 0.006 χ^2 /NDF: 1716830.0/18

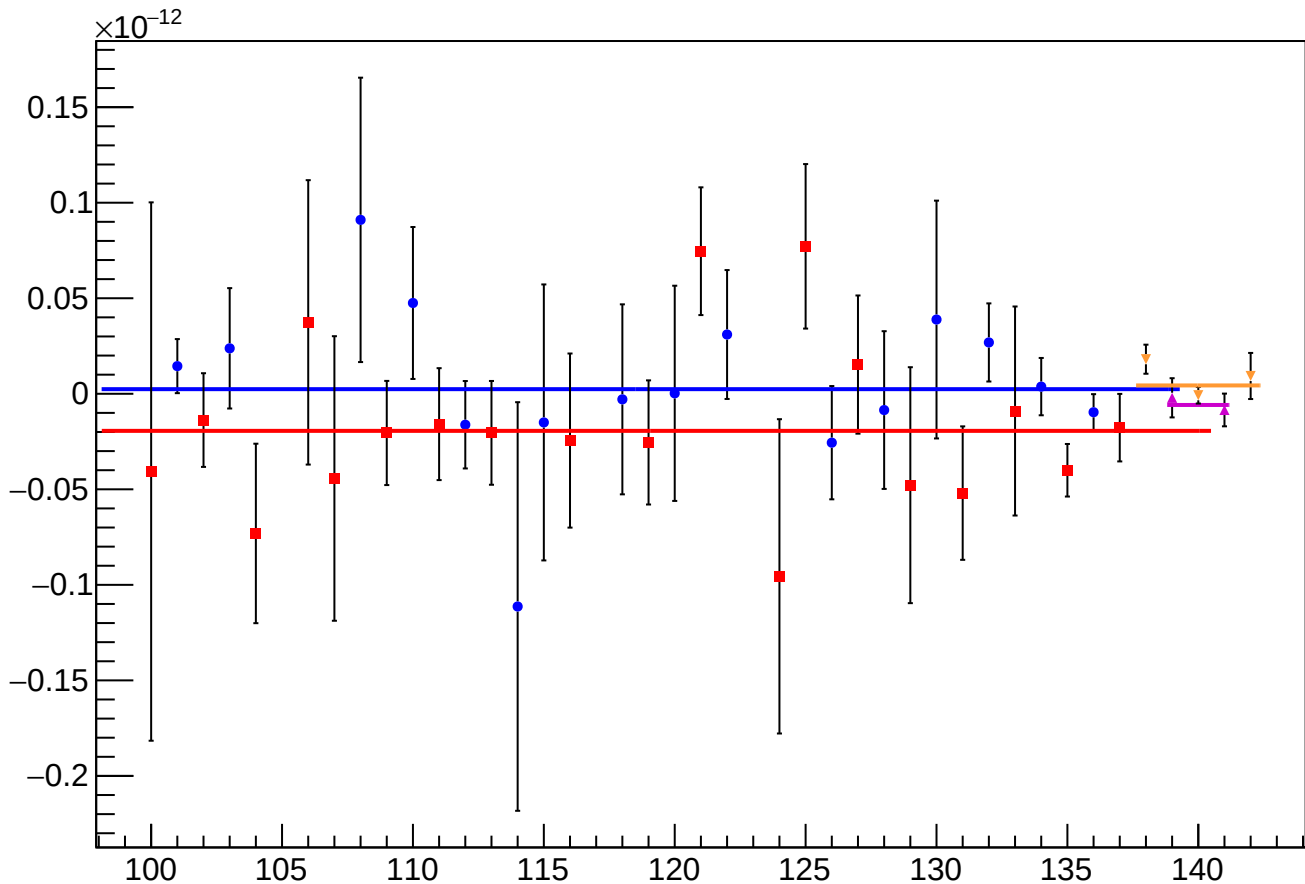
Left In: 23.167 $\pm$ 0.013 χ^2 /NDF:31755.7/1

+ sign 21.329 $\pm$ 0.005 χ^2 /NDF: 2142819.0/18

All: 20.895 $\pm$ 0.004 χ^2 /NDF: 3955788.7/39

- sign 20.497 $\pm$ 0.005 χ^2 /NDF: 1800849.0/20

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: 4.8/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.2/18

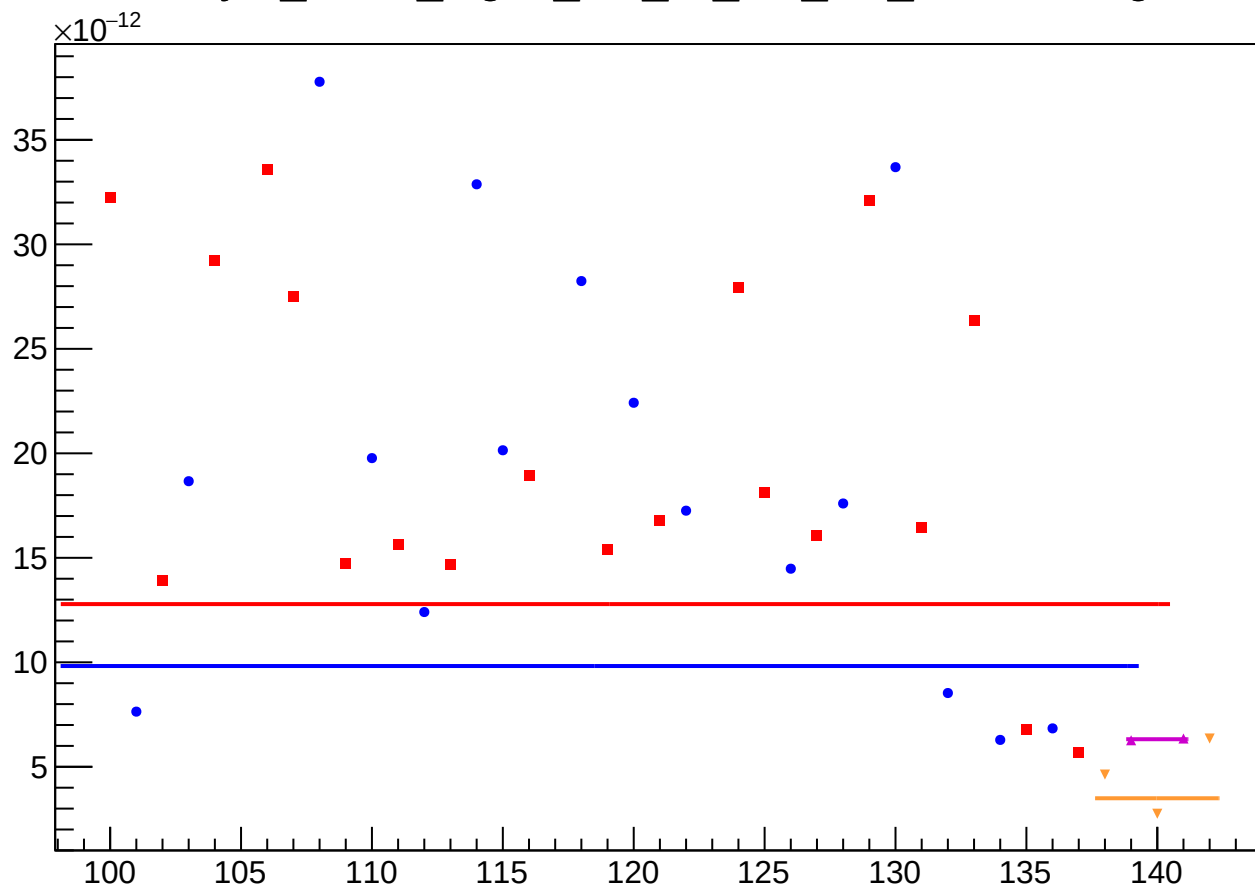
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 46.0/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 22.4/20

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 : 214767.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1798852.4/18

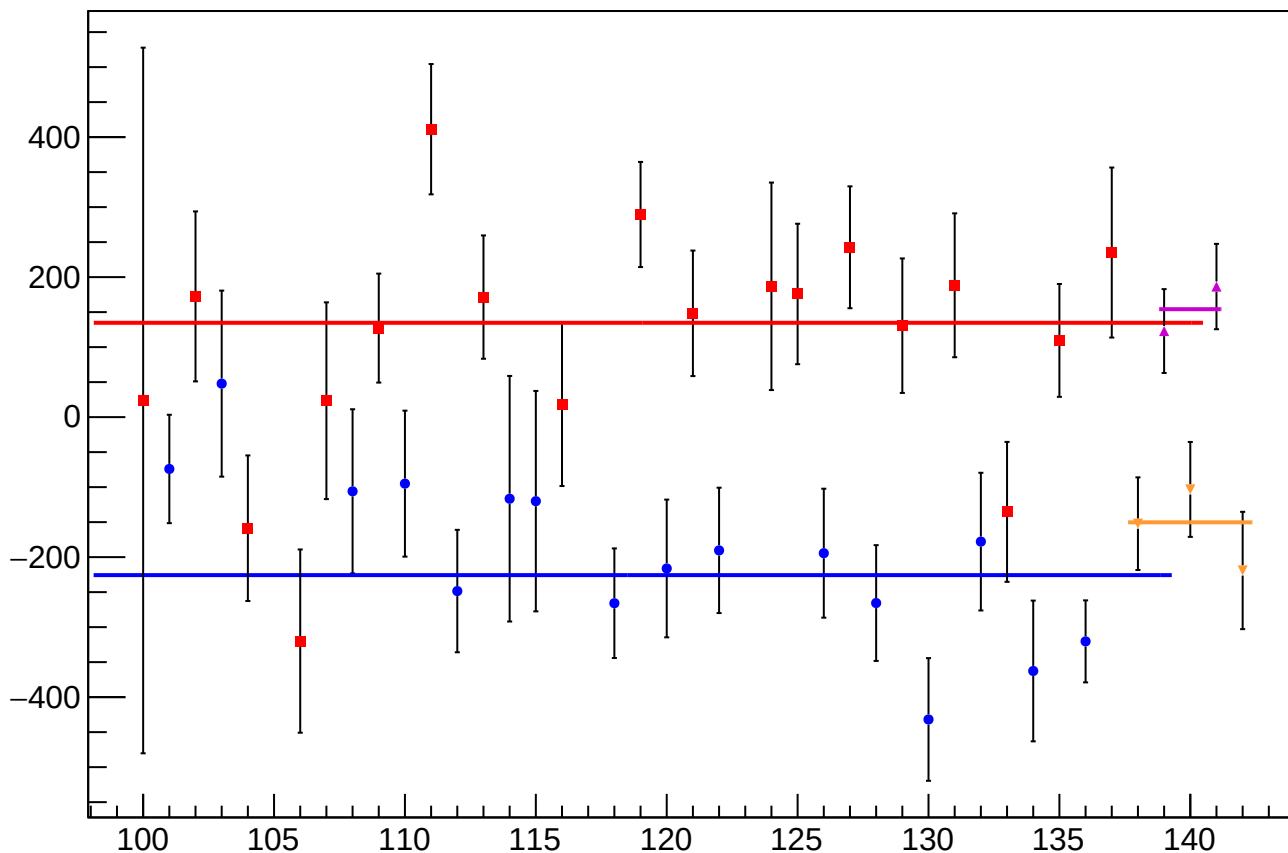
Left In: 0.000+/-0.000 χ^2/NDF : 78.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 3948007.2/18

All: 0.000+/-0.000 χ^2/NDF : 7647799.5/39

- sign 0.000+/-0.000 χ^2/NDF : 2697752.4/20

reg_asym_sam8_mean vs Slug



Right In: -225.692 ± 23.118 $\chi^2/\text{NDF}: 22.6/15$

Left Out: -150.291 ± 41.223 $\chi^2/\text{NDF}: 1.2/2$

Right Out: 134.762 ± 23.192 $\chi^2/\text{NDF}: 45.3/18$

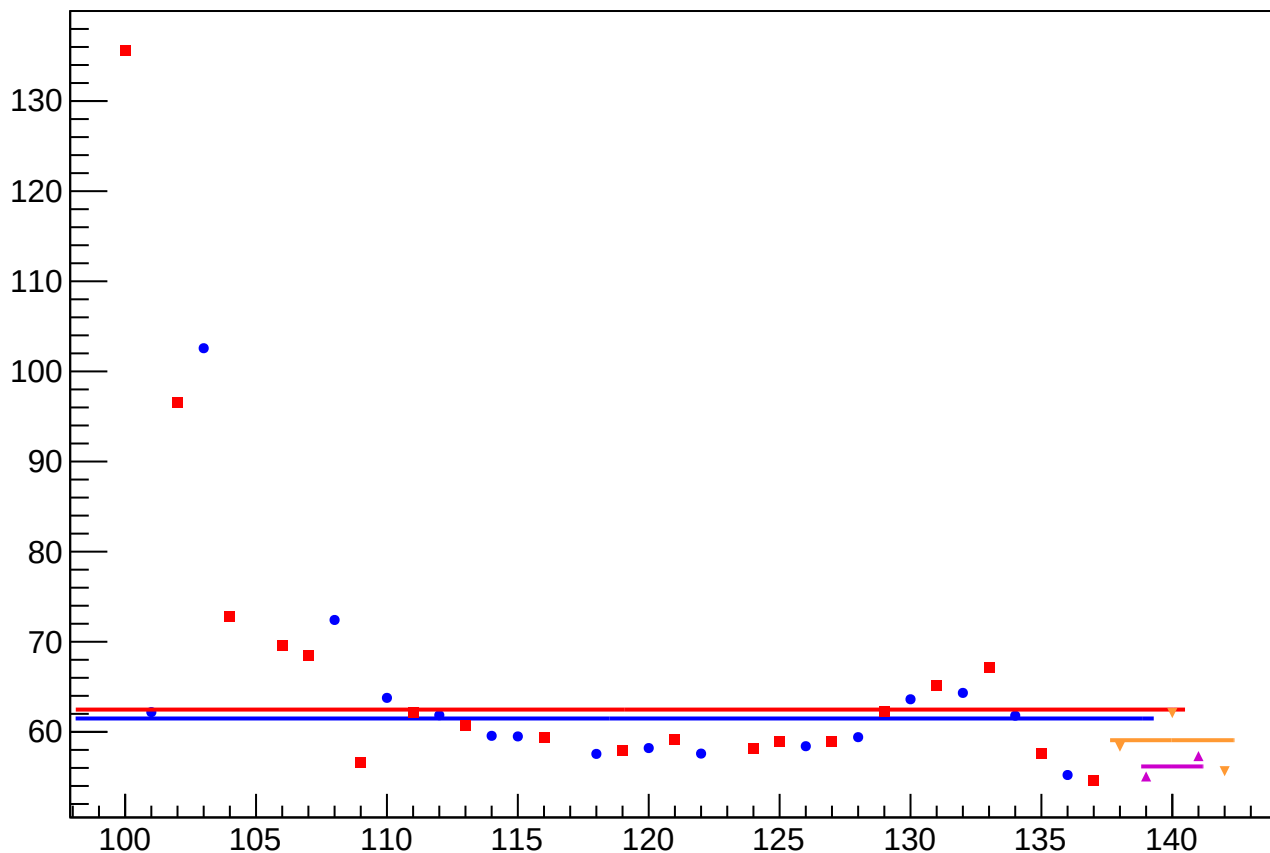
Left In: 154.183 ± 42.727 $\chi^2/\text{NDF}: 0.6/1$

+ sign -207.651 ± 20.164 $\chi^2/\text{NDF}: 26.3/18$

All: -36.106 ± 14.335 $\chi^2/\text{NDF}: 218.6/39$

- sign 139.182 ± 20.383 $\chi^2/\text{NDF}: 46.0/20$

reg_asym_sam8_rms vs Slug



Right In: 61.486 $\pm$ 0.016 χ^2 /NDF: 250669.2/15

Left Out: 59.077 $\pm$ 0.029 χ^2 /NDF: 7540.0/2

Right Out: 62.476 $\pm$ 0.016 χ^2 /NDF: 281148.3/18

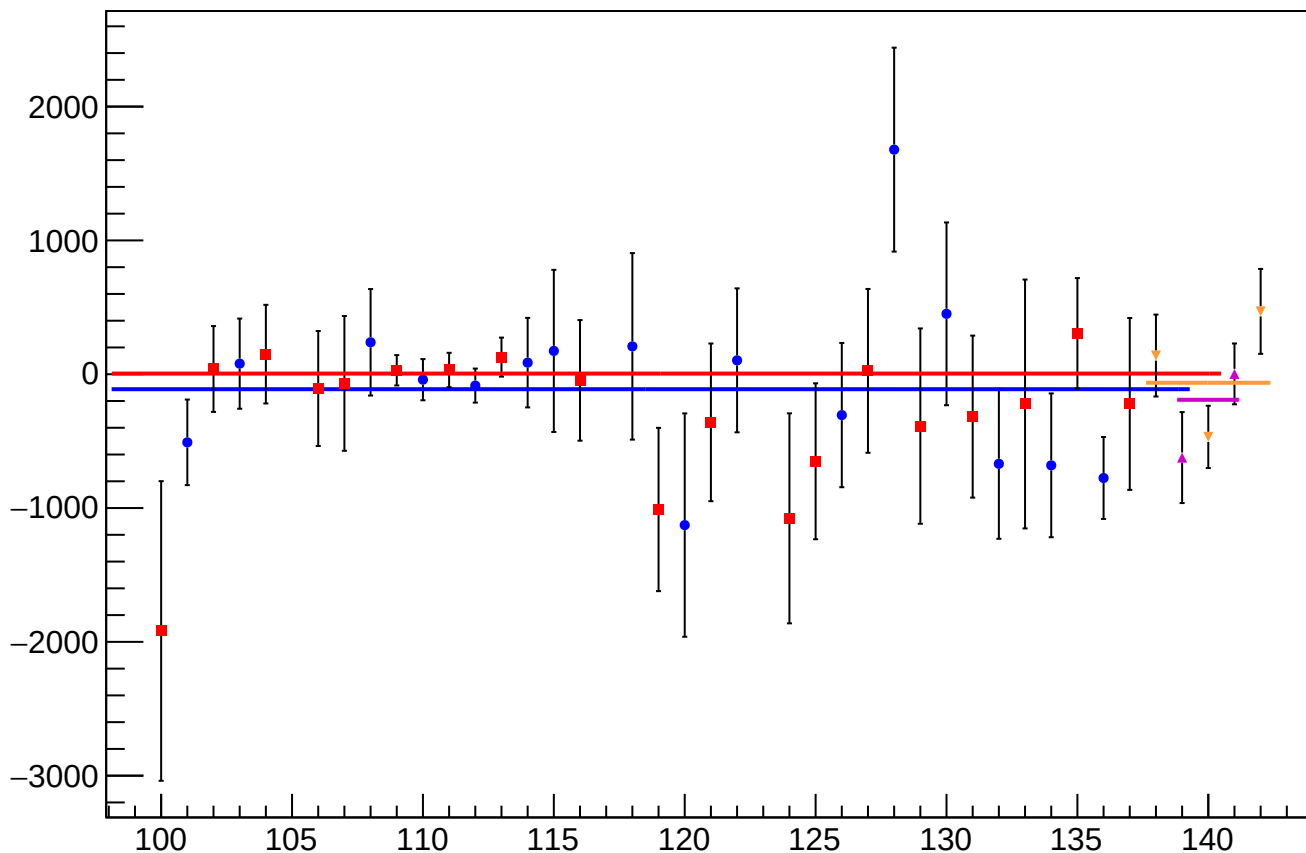
Left In: 56.165 $\pm$ 0.030 χ^2 /NDF: 1398.1/1

+ sign 60.910 $\pm$ 0.014 χ^2 /NDF: 263405.0/18

All: 60.974 $\pm$ 0.010 χ^2 /NDF: 579692.9/39

- sign 61.040 $\pm$ 0.014 χ^2 /NDF: 316246.7/20

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885 ± 76.212 χ^2/NDF : 18.5/15

Left Out: -63.748 ± 160.020 χ^2/NDF : 6.3/2

Right Out: 4.893 ± 63.933 χ^2/NDF : 11.6/18

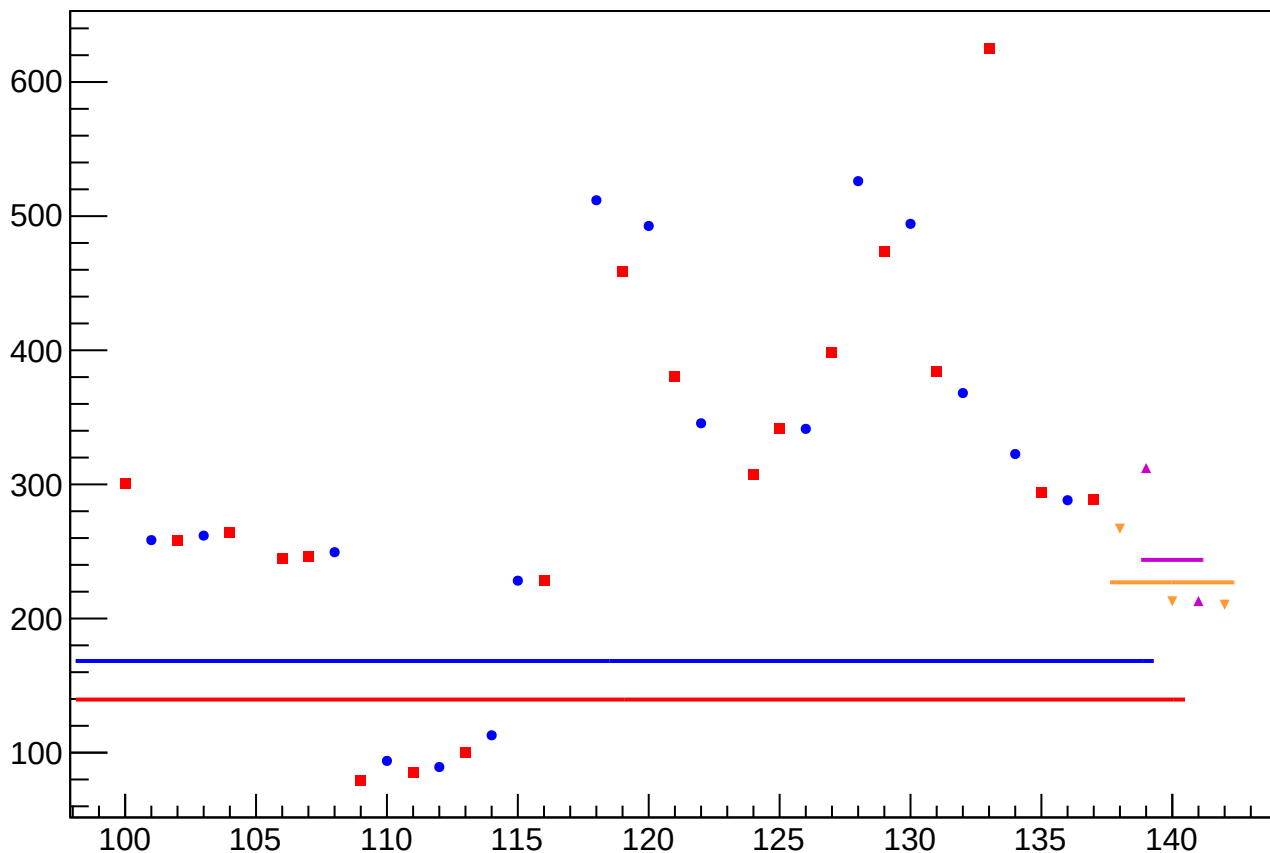
Left In: -190.958 ± 188.997 χ^2/NDF : 2.3/1

+ sign -102.985 ± 68.807 χ^2/NDF : 24.8/18

All: -53.529 ± 45.461 χ^2/NDF : 40.7/39

- sign -15.217 ± 60.561 χ^2/NDF : 14.9/20

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544046.8/15

Left Out: 226.963+/-0.113 χ^2/NDF : 47055.4/2

Right Out: 139.594+/-0.045 χ^2/NDF : 5154153.5/18

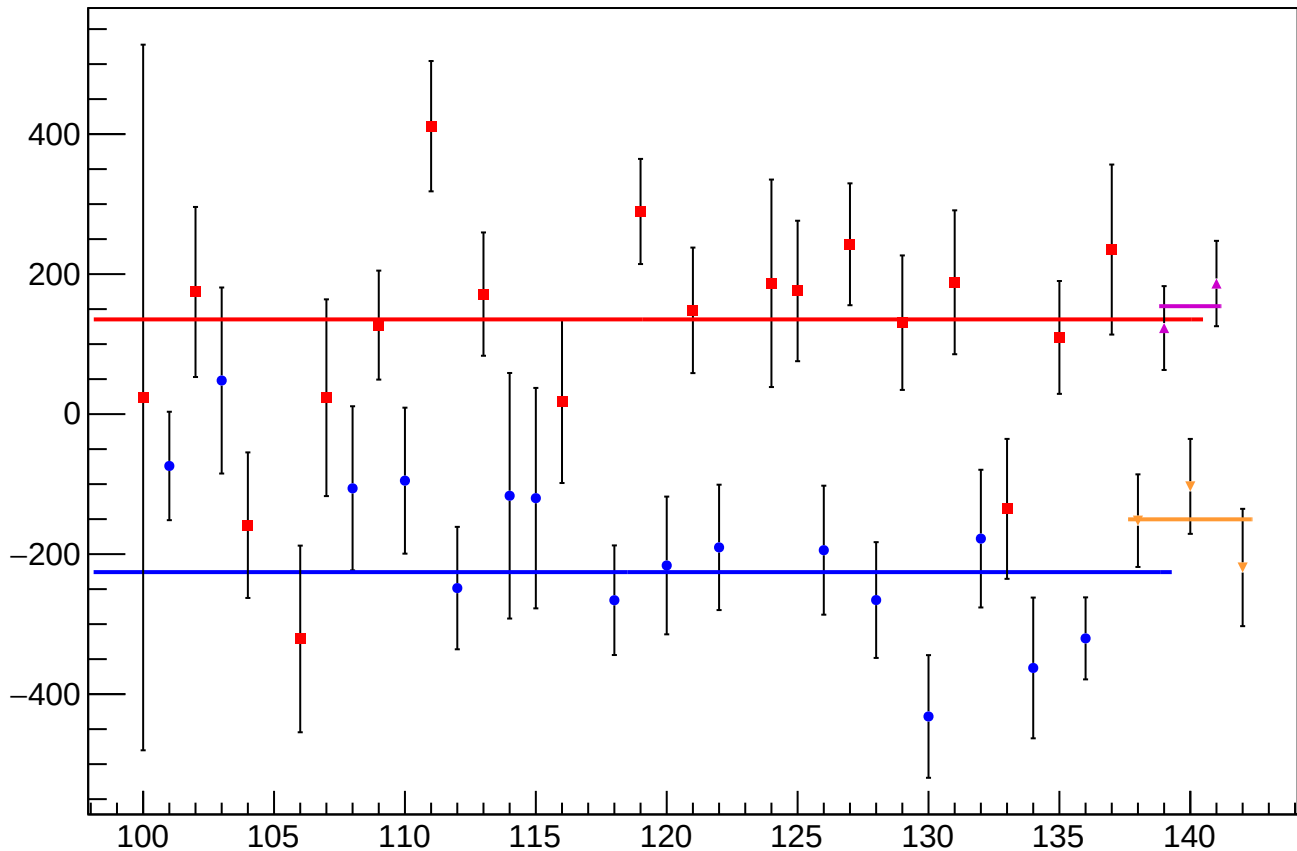
Left In: 243.728+/-0.134 χ^2/NDF : 117467.4/1

+ sign 179.170+/-0.049 χ^2/NDF : 4809974.4/18

All: 162.895+/-0.032 χ^2/NDF : 10825018.7/39

- sign 150.286+/-0.043 χ^2/NDF : 5816449.5/20

cor_asym_sam8_mean vs Slug



Right In: -225.692 ± 23.118 χ^2/NDF : 22.6/15

Left Out: -150.287 ± 41.223 χ^2/NDF : 1.2/2

Right Out: 135.311 ± 23.205 χ^2/NDF : 44.9/18

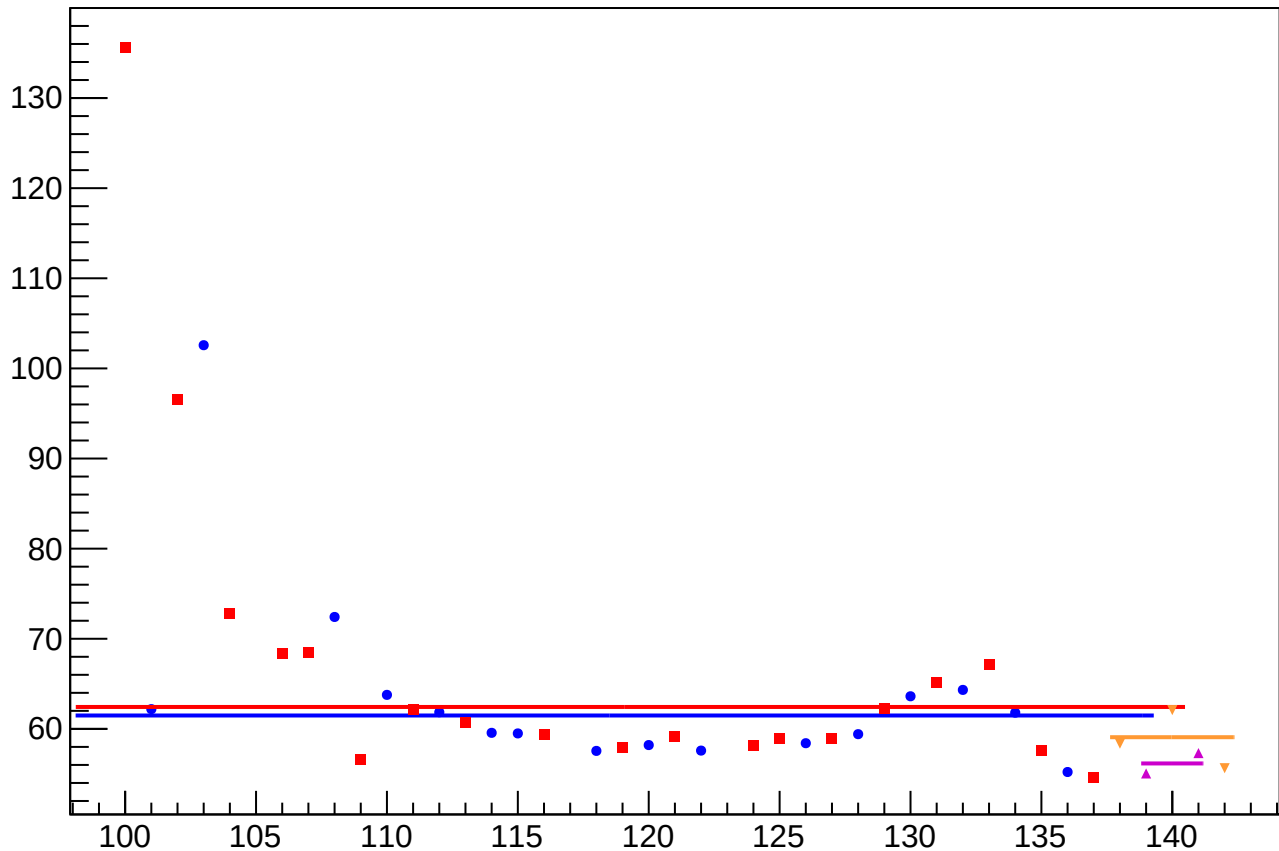
Left In: 154.185 ± 42.727 χ^2/NDF : 0.6/1

+ sign -207.650 ± 20.164 χ^2/NDF : 26.3/18

All: -35.971 ± 14.338 χ^2/NDF : 218.5/39

- sign 139.610 ± 20.392 χ^2/NDF : 45.6/20

cor_asym_sam8_rms vs Slug



Right In: 61.486 $\pm$ 0.016 χ^2 /NDF: 250671.7/15

Left Out: 59.077 $\pm$ 0.029 χ^2 /NDF: 7540.0/2

Right Out: 62.433 $\pm$ 0.016 χ^2 /NDF: 279408.8/18

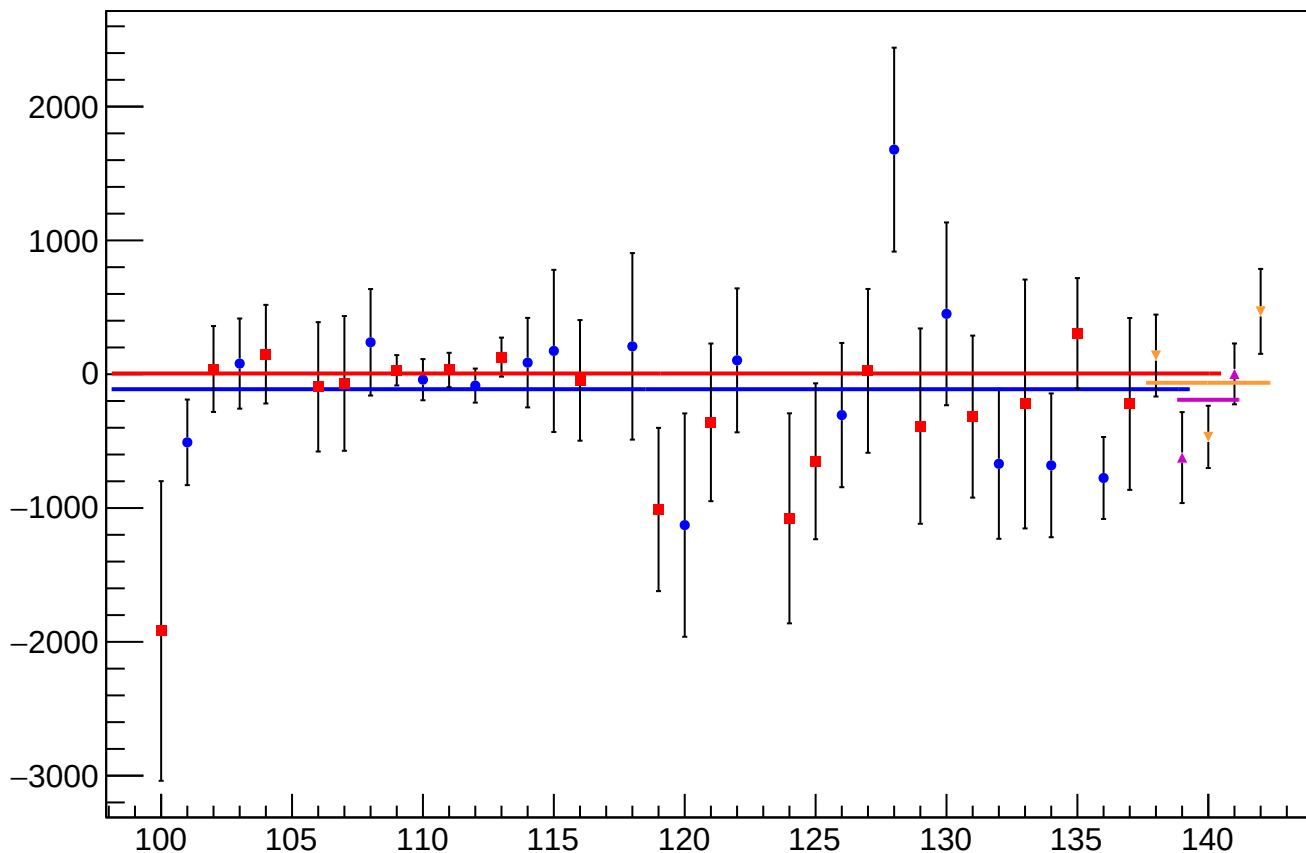
Left In: 56.165 $\pm$ 0.030 χ^2 /NDF: 1398.1/1

+ sign 60.910 $\pm$ 0.014 χ^2 /NDF: 263407.6/18

All: 60.957 $\pm$ 0.010 χ^2 /NDF: 577469.7/39

- sign 61.005 $\pm$ 0.014 χ^2 /NDF: 314039.9/20

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866 ± 76.213 χ^2/NDF : 18.5/15

Left Out: -63.748 ± 160.020 χ^2/NDF : 6.3/2

Right Out: 5.616 ± 64.085 χ^2/NDF : 11.6/18

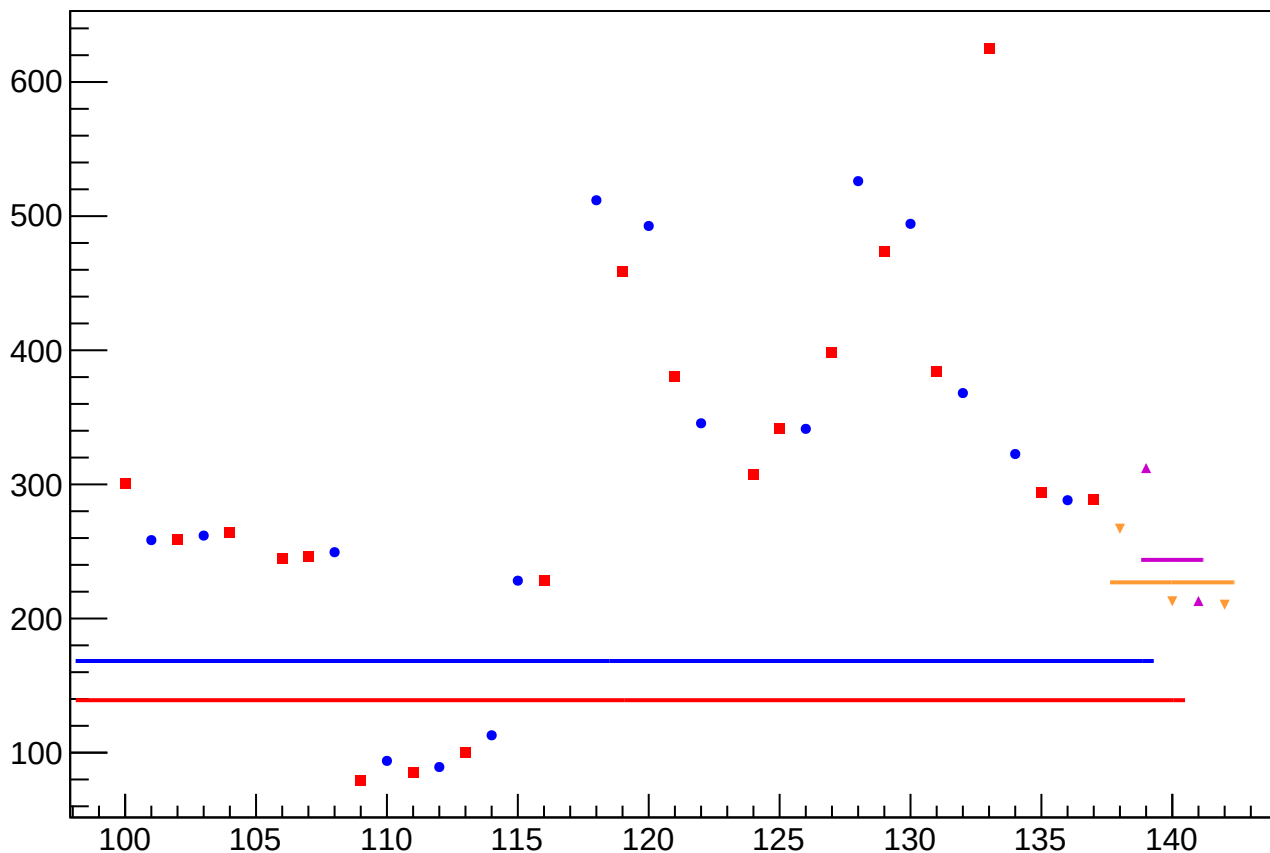
Left In: -190.950 ± 188.997 χ^2/NDF : 2.3/1

+ sign -102.970 ± 68.807 χ^2/NDF : 24.8/18

All: -53.298 ± 45.515 χ^2/NDF : 40.7/39

- sign -14.654 ± 60.691 χ^2/NDF : 14.9/20

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544100.8/15

Left Out: 226.963+/-0.113 χ^2/NDF : 47053.7/2

Right Out: 139.105+/-0.045 χ^2/NDF : 5130011.5/18

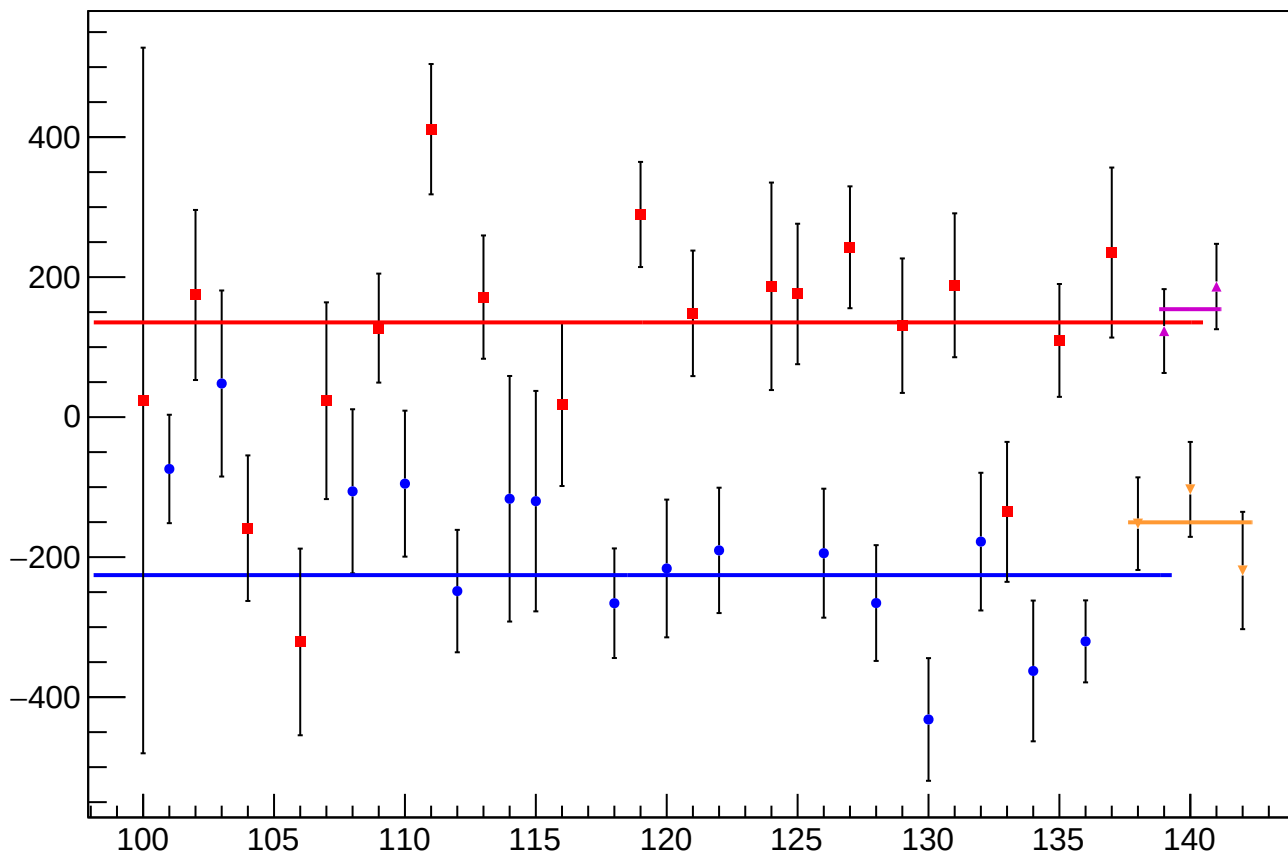
Left In: 243.728+/-0.134 χ^2/NDF : 117467.1/1

+ sign 179.171+/-0.049 χ^2/NDF : 4810022.9/18

All: 162.704+/-0.032 χ^2/NDF : 10810844.6/39

- sign 149.893+/-0.043 χ^2/NDF : 5797167.1/20

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692 ± 23.118 χ^2/NDF : 22.6/15

Left Out: -150.287 ± 41.223 χ^2/NDF : 1.2/2

Right Out: 135.311 ± 23.205 χ^2/NDF : 44.9/18

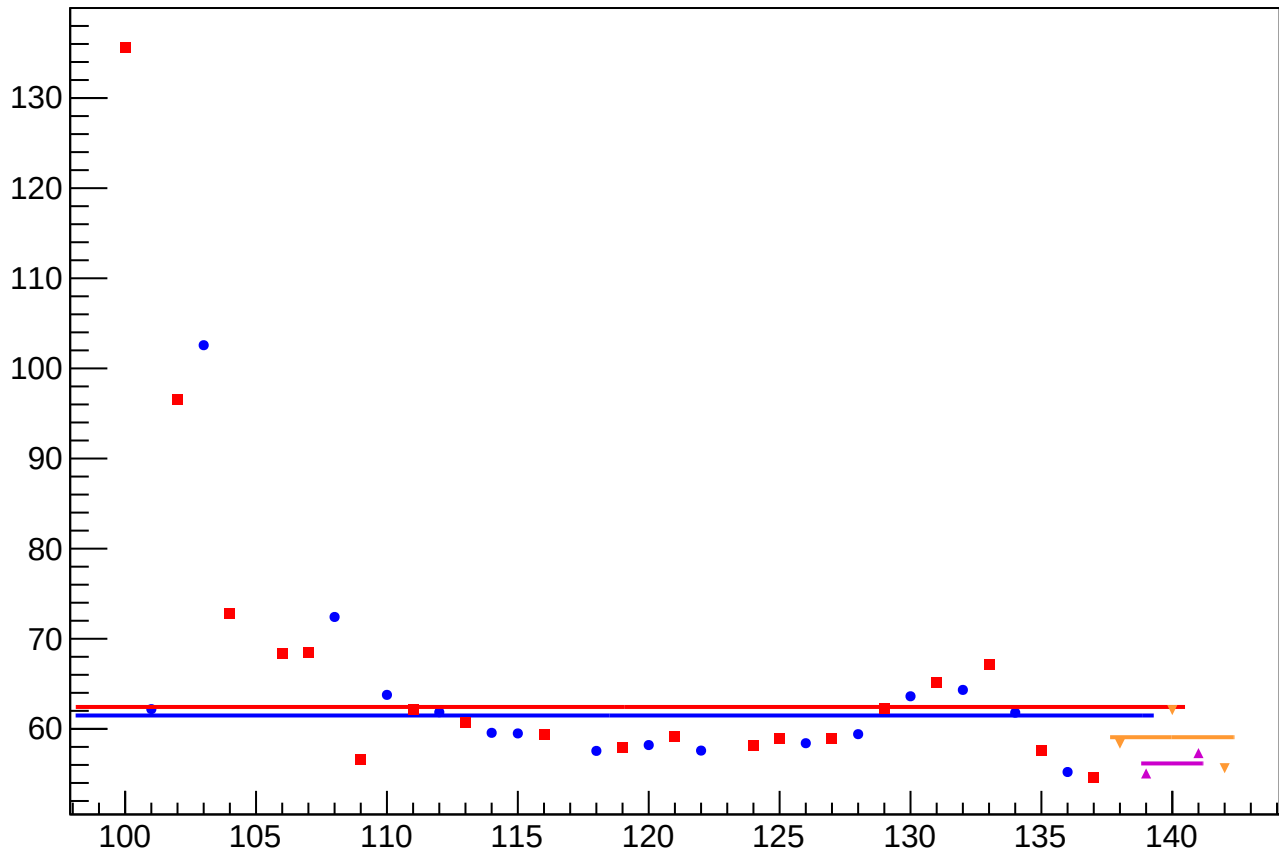
Left In: 154.185 ± 42.727 χ^2/NDF : 0.6/1

+ sign -207.650 ± 20.164 χ^2/NDF : 26.3/18

All: -35.971 ± 14.338 χ^2/NDF : 218.5/39

- sign 139.610 ± 20.392 χ^2/NDF : 45.6/20

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486 $\pm$ 0.016 χ^2 /NDF: 250671.7/15

Left Out: 59.077 $\pm$ 0.029 χ^2 /NDF: 7540.0/2

Right Out: 62.433 $\pm$ 0.016 χ^2 /NDF: 279408.8/18

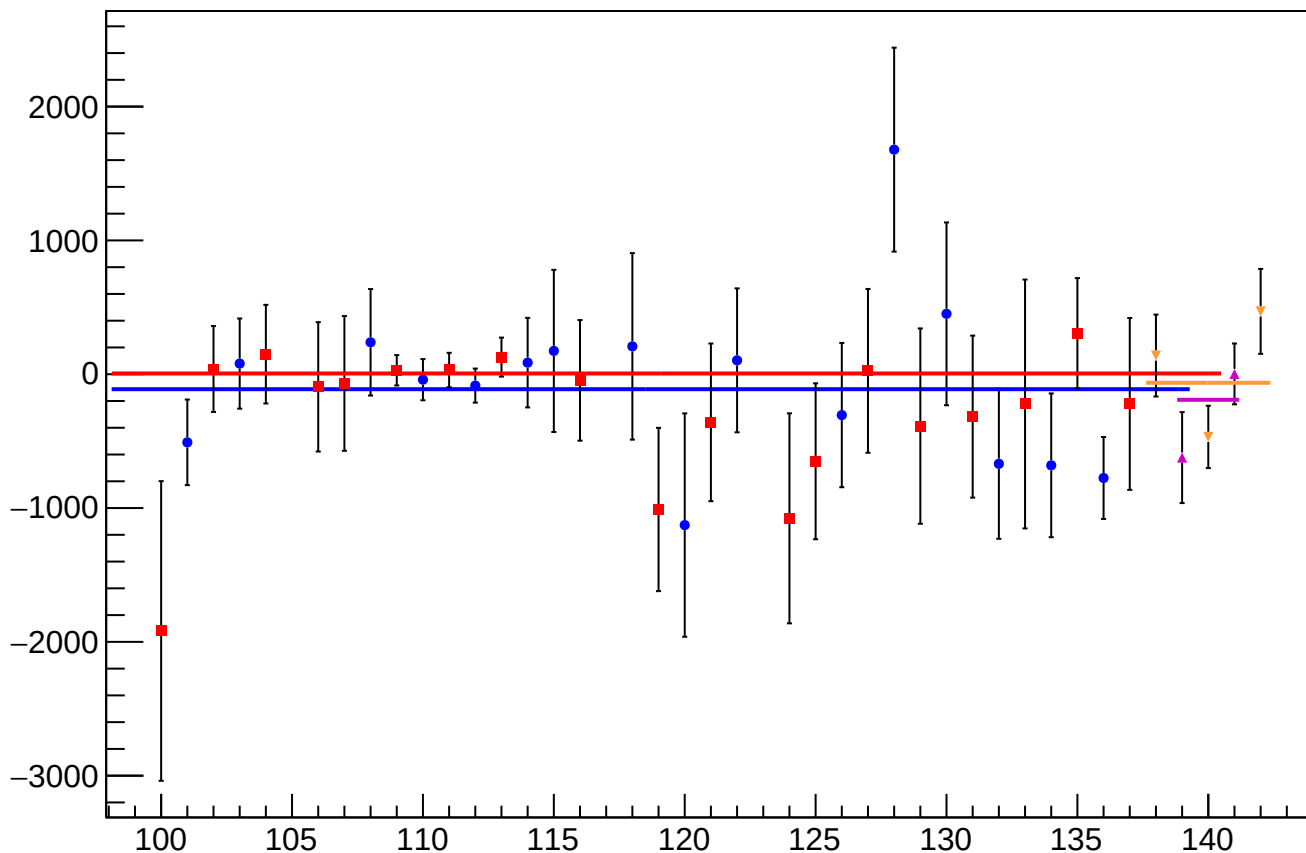
Left In: 56.165 $\pm$ 0.030 χ^2 /NDF: 1398.1/1

+ sign 60.910 $\pm$ 0.014 χ^2 /NDF: 263407.6/18

All: 60.957 $\pm$ 0.010 χ^2 /NDF: 577469.7/39

- sign 61.005 $\pm$ 0.014 χ^2 /NDF: 314039.9/20

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF : 18.5/15

Left Out: -63.748+/-160.020 χ^2/NDF : 6.3/2

Right Out: 5.616+/-64.085 χ^2/NDF : 11.6/18

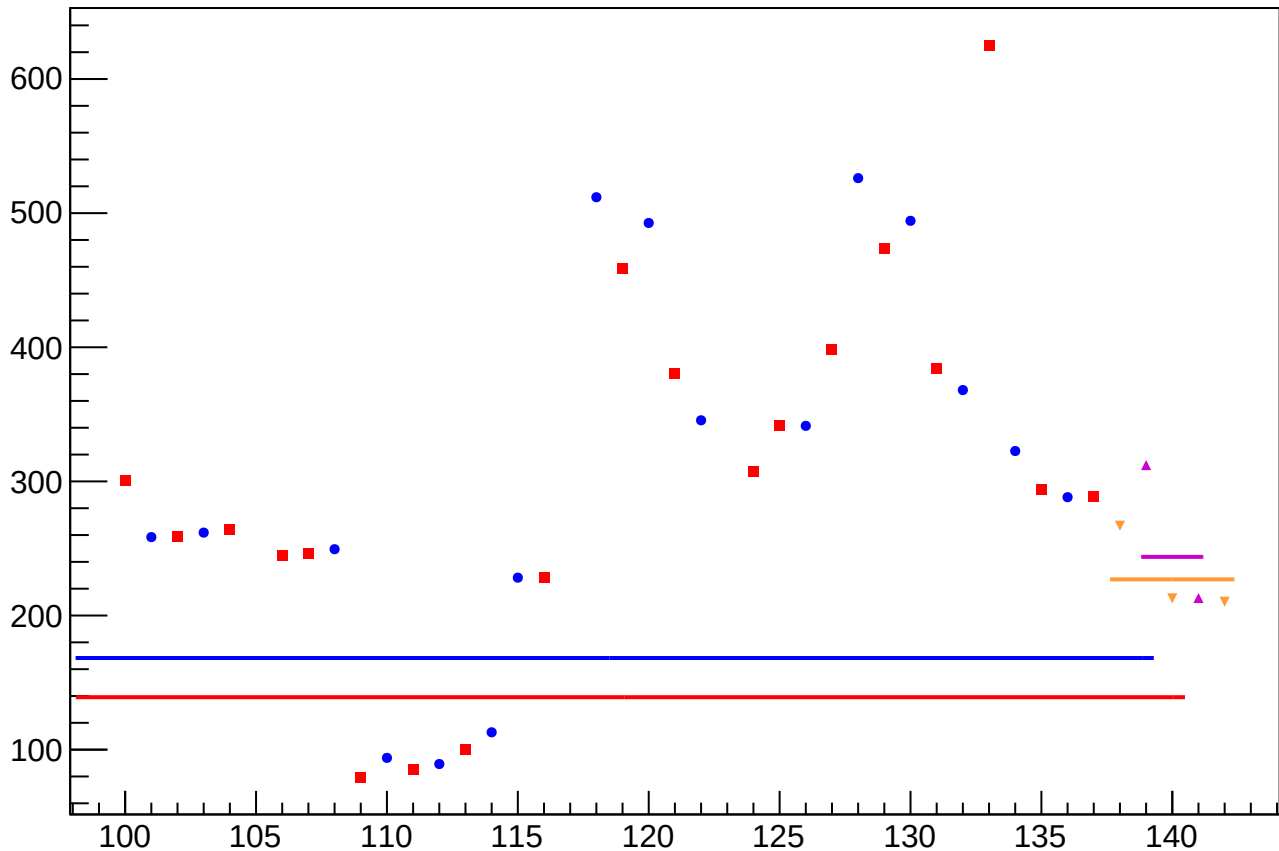
Left In: -190.950+/-188.997 χ^2/NDF : 2.3/1

+ sign -102.970+/-68.807 χ^2/NDF : 24.8/18

All: -53.298+/-45.515 χ^2/NDF : 40.7/39

- sign -14.654+/-60.691 χ^2/NDF : 14.9/20

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF : 4544100.8/15

Left Out: 226.963+/-0.113 χ^2/NDF : 47053.7/2

Right Out: 139.105+/-0.045 χ^2/NDF : 5130011.5/18

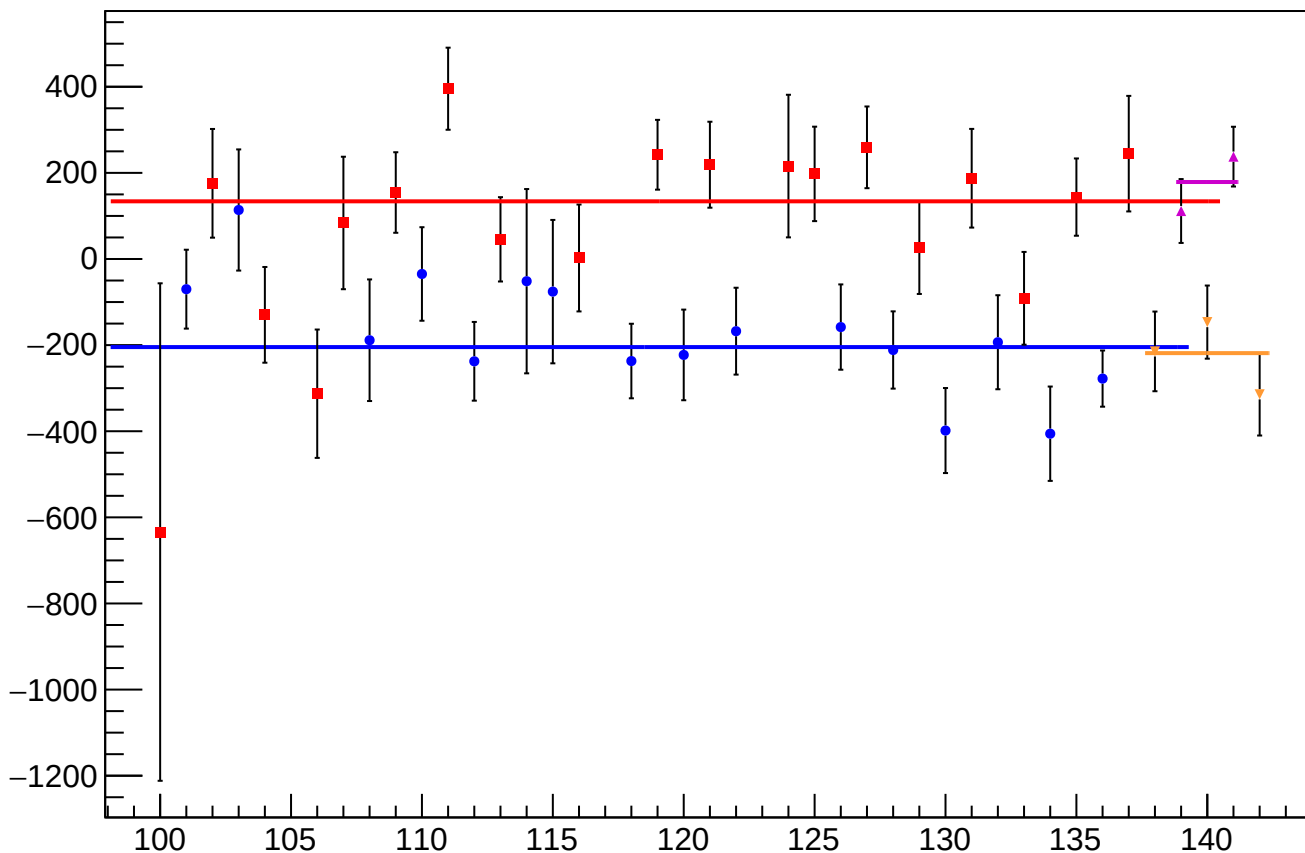
Left In: 243.728+/-0.134 χ^2/NDF : 117467.1/1

+ sign 179.171+/-0.049 χ^2/NDF : 4810022.9/18

All: 162.704+/-0.032 χ^2/NDF : 10810844.6/39

- sign 149.893+/-0.043 χ^2/NDF : 5797167.1/20

dit_asym_sam8_mean vs Slug



Right In: -204.577 ± 25.523 χ^2/NDF : 20.0/15

Left Out: -218.596 ± 52.366 χ^2/NDF : 1.7/2

Right Out: 133.924 ± 25.484 χ^2/NDF : 37.2/18

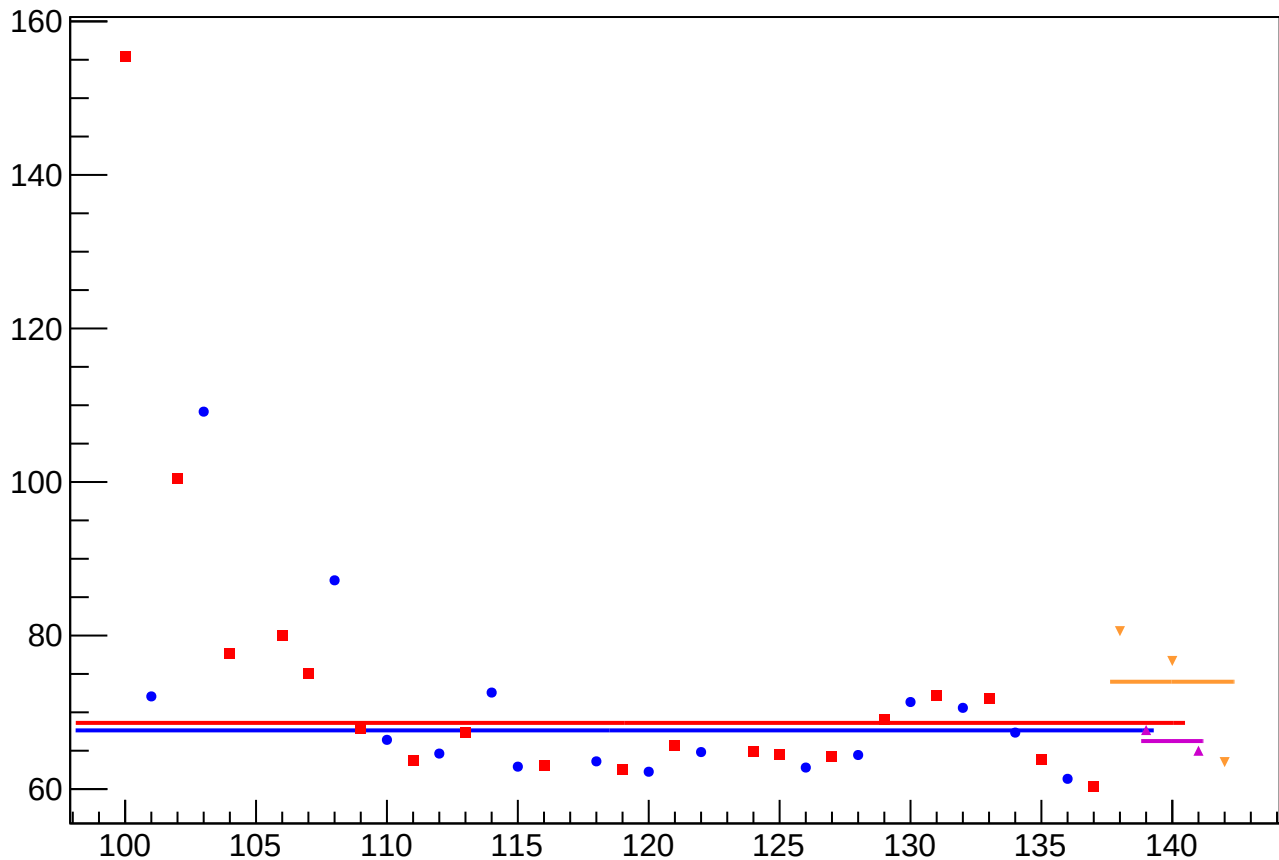
Left In: 178.771 ± 50.676 χ^2/NDF : 1.5/1

+ sign -207.268 ± 22.943 χ^2/NDF : 21.8/18

All: -30.795 ± 16.161 χ^2/NDF : 178.6/39

- sign 142.976 ± 22.767 χ^2/NDF : 39.4/20

dit_asym_sam8_rms vs Slug



Right In: 67.647 $\pm$ 0.018 χ^2 /NDF: 263669.9/15

Left Out: 73.986 $\pm$ 0.037 χ^2 /NDF: 36099.5/2

Right Out: 68.624 $\pm$ 0.018 χ^2 /NDF: 248164.6/18

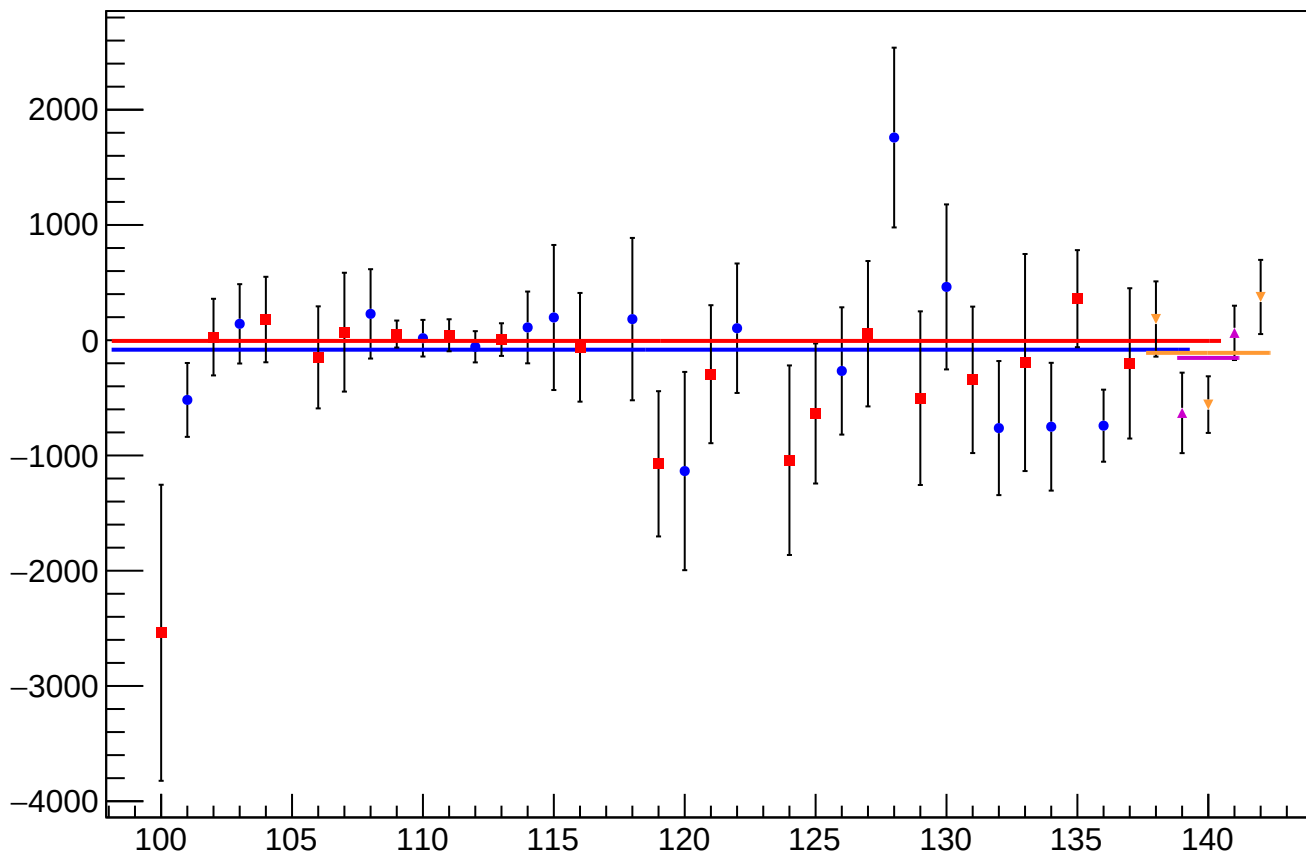
Left In: 66.258 $\pm$ 0.036 χ^2 /NDF: 1408.6/1

+ sign 68.864 $\pm$ 0.016 χ^2 /NDF: 323444.3/18

All: 68.502 $\pm$ 0.011 χ^2 /NDF: 577484.2/39

- sign 68.146 $\pm$ 0.016 χ^2 /NDF: 253053.6/20

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228 ± 78.676 χ^2/NDF : 19.2/15

Left Out: -109.629 ± 167.612 χ^2/NDF : 6.4/2

Right Out: -6.063 ± 65.910 χ^2/NDF : 12.0/18

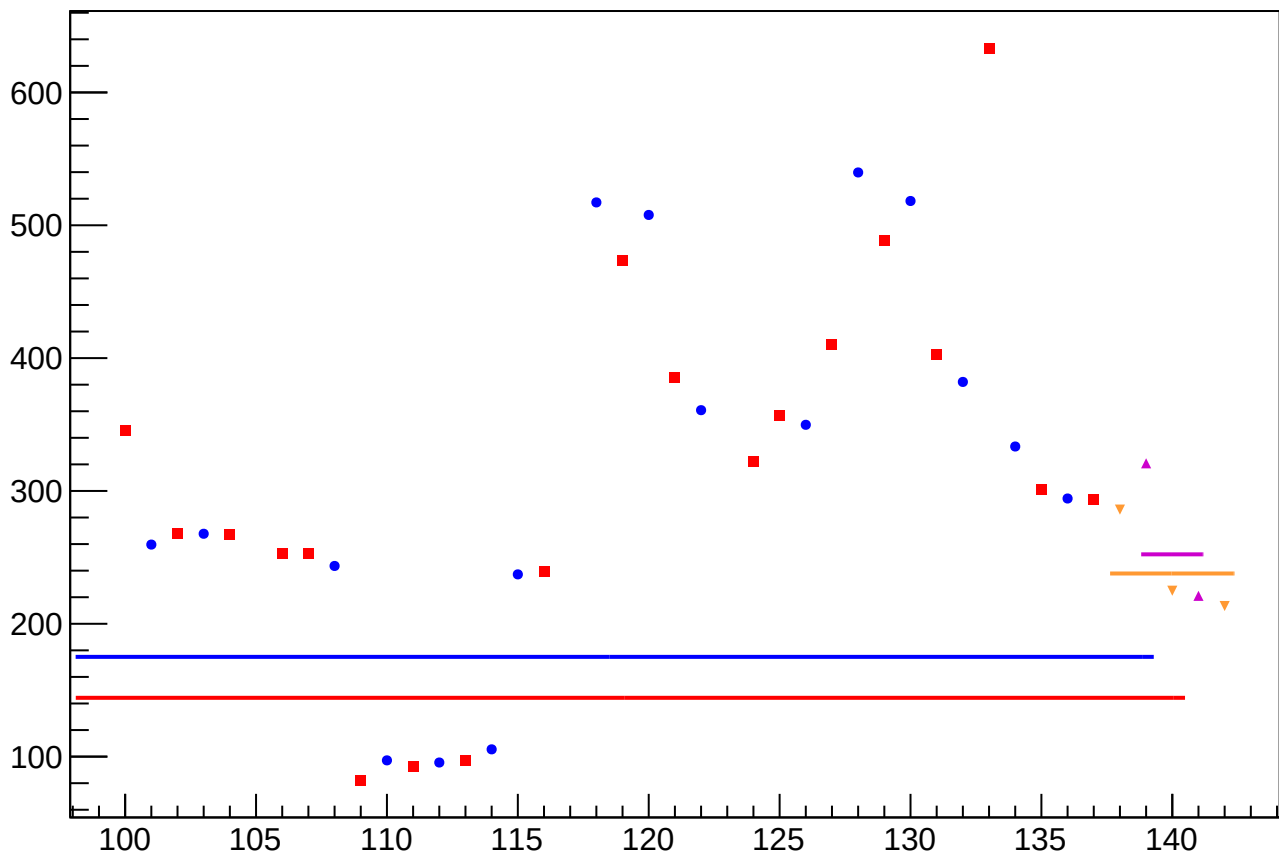
Left In: -153.535 ± 195.350 χ^2/NDF : 2.7/1

+ sign -87.175 ± 71.220 χ^2/NDF : 25.6/18

All: -49.841 ± 46.956 χ^2/NDF : 41.4/39

- sign -21.135 ± 62.451 χ^2/NDF : 15.3/20

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF : 4429076.5/15

Left Out: 237.855+/-0.119 χ^2/NDF : 60528.3/2

Right Out: 144.276+/-0.047 χ^2/NDF : 5132432.2/18

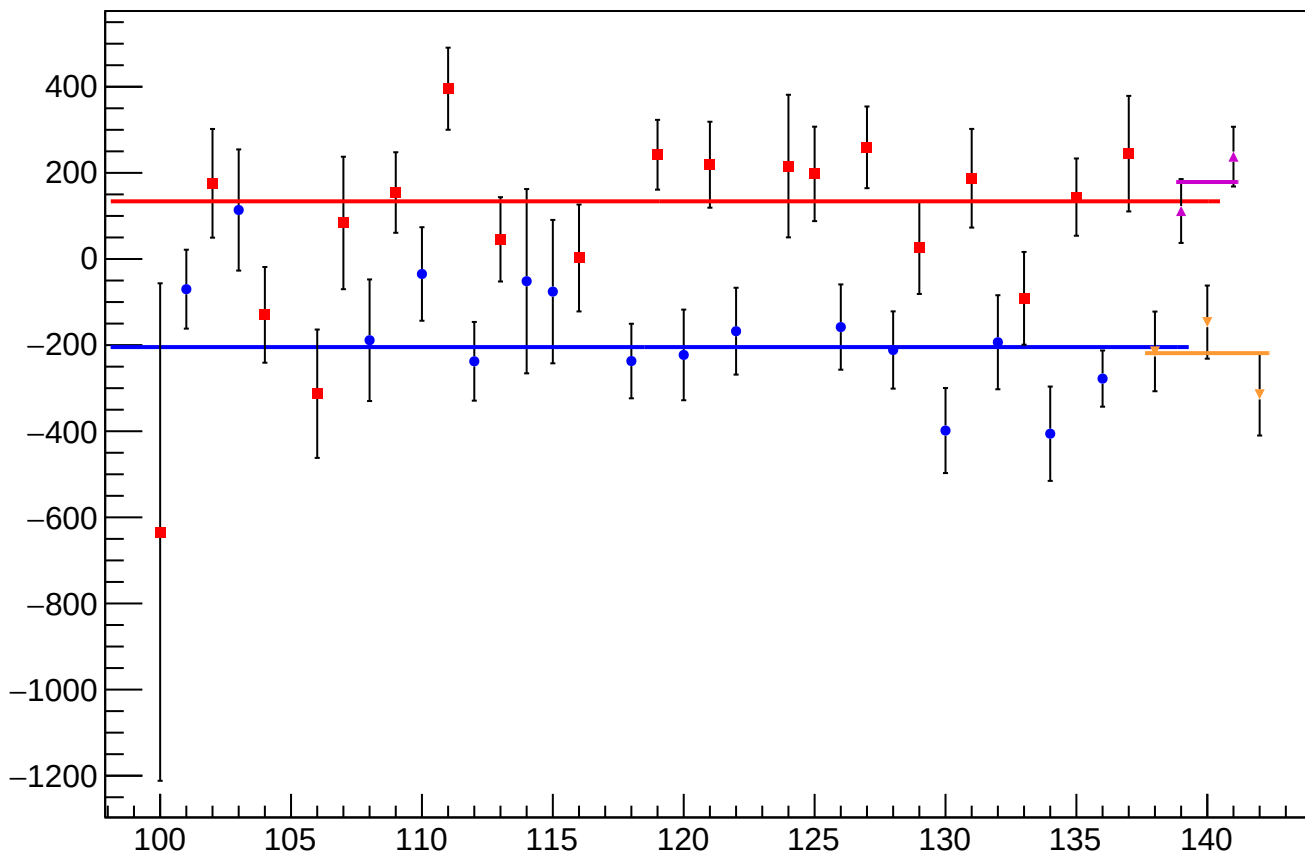
Left In: 252.278+/-0.138 χ^2/NDF : 112165.2/1

+ sign 186.430+/-0.050 χ^2/NDF : 4719348.0/18

All: 168.840+/-0.033 χ^2/NDF : 10728594.8/39

- sign 155.314+/-0.044 χ^2/NDF : 5793434.4/20

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577 ± 25.523 χ^2/NDF : 20.0/15

Left Out: -218.598 ± 52.366 χ^2/NDF : 1.7/2

Right Out: 133.926 ± 25.483 χ^2/NDF : 37.2/18

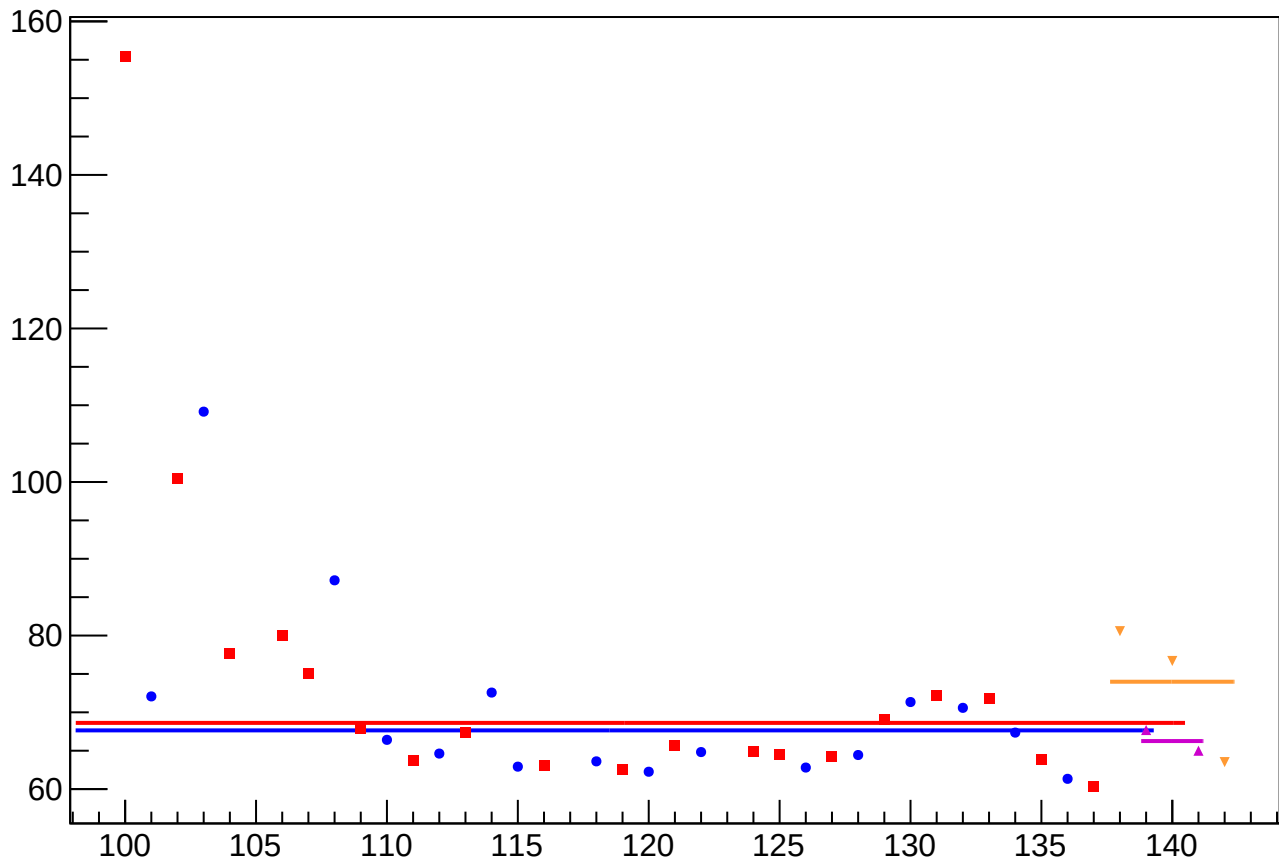
Left In: 178.770 ± 50.676 χ^2/NDF : 1.5/1

+ sign -207.268 ± 22.943 χ^2/NDF : 21.8/18

All: -30.794 ± 16.161 χ^2/NDF : 178.6/39

- sign 142.977 ± 22.767 χ^2/NDF : 39.4/20

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647 ± 0.018 χ^2/NDF : 263668.9/15

Left Out: 73.986 ± 0.037 χ^2/NDF : 36098.6/2

Right Out: 68.624 ± 0.018 χ^2/NDF : 248166.1/18

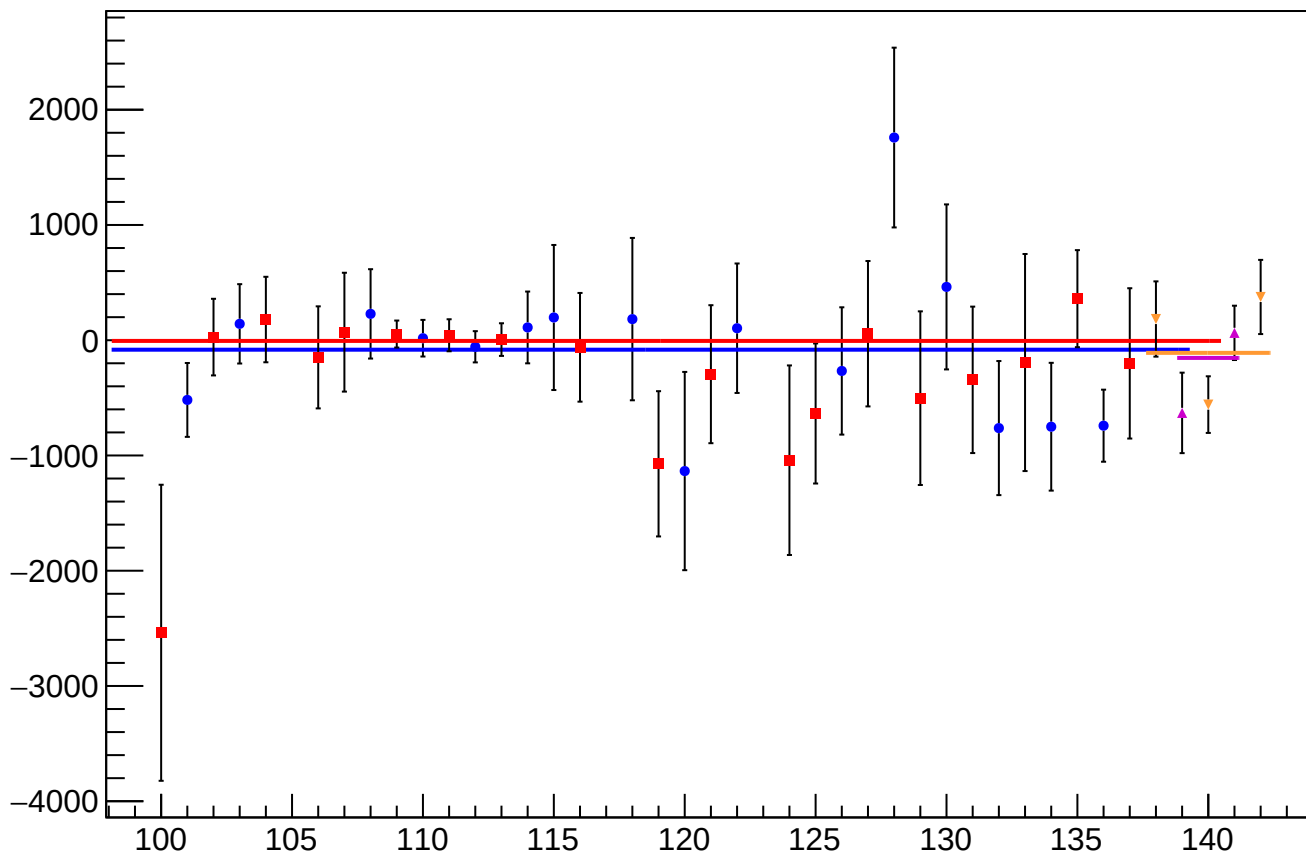
Left In: 66.258 ± 0.036 χ^2/NDF : 1408.5/1

+ sign 68.864 ± 0.016 χ^2/NDF : 323443.8/18

All: 68.502 ± 0.011 χ^2/NDF : 577484.6/39

- sign 68.146 ± 0.016 χ^2/NDF : 253054.4/20

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226 ± 78.675 χ^2/NDF : 19.2/15

Left Out: -109.630 ± 167.611 χ^2/NDF : 6.4/2

Right Out: -6.062 ± 65.910 χ^2/NDF : 12.0/18

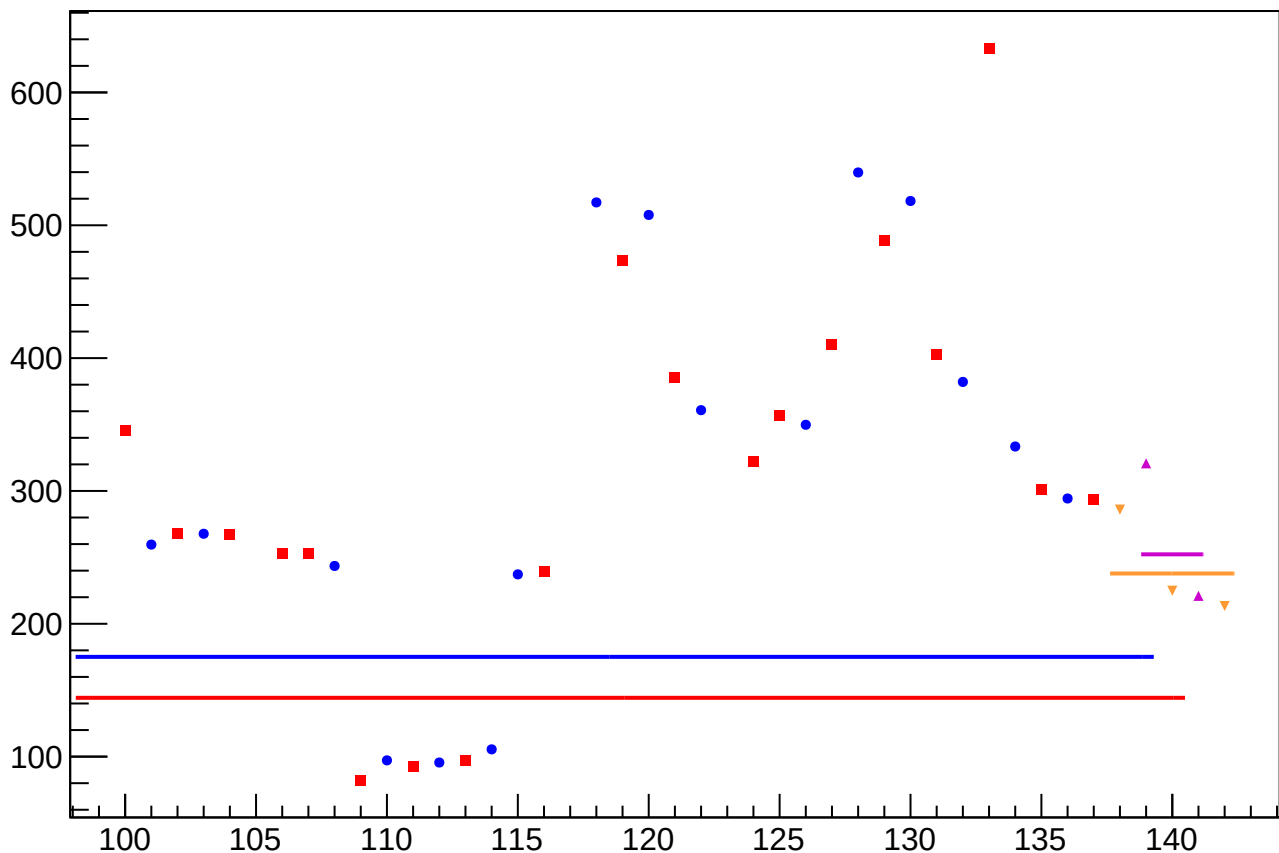
Left In: -153.536 ± 195.349 χ^2/NDF : 2.7/1

+ sign -87.174 ± 71.220 χ^2/NDF : 25.6/18

All: -49.840 ± 46.956 χ^2/NDF : 41.4/39

- sign -21.134 ± 62.451 χ^2/NDF : 15.3/20

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF : 4429098.4/15

Left Out: 237.854+/-0.119 χ^2/NDF : 60526.8/2

Right Out: 144.276+/-0.047 χ^2/NDF : 5132412.3/18

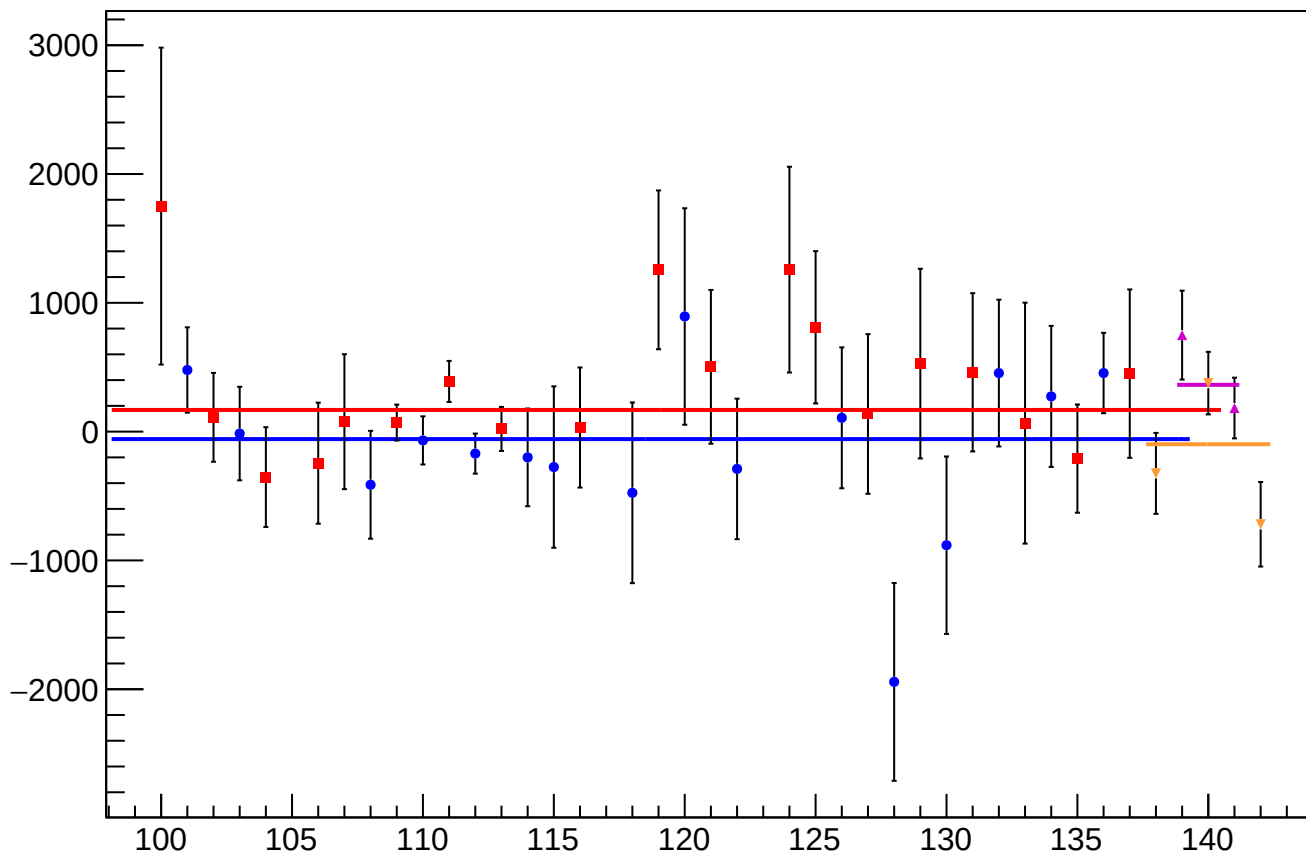
Left In: 252.277+/-0.138 χ^2/NDF : 112164.0/1

+ sign 186.428+/-0.050 χ^2/NDF : 4719373.9/18

All: 168.839+/-0.033 χ^2/NDF : 10728585.3/39

- sign 155.314+/-0.044 χ^2/NDF : 5793410.8/20

asym_sam8_mean vs Slug



Right In: -57.970 ± 86.890 $\chi^2/\text{NDF}: 17.4/15$

Left Out: -97.990 ± 165.823 $\chi^2/\text{NDF}: 7.9/2$

Right Out: 168.322 ± 74.598 $\chi^2/\text{NDF}: 15.5/18$

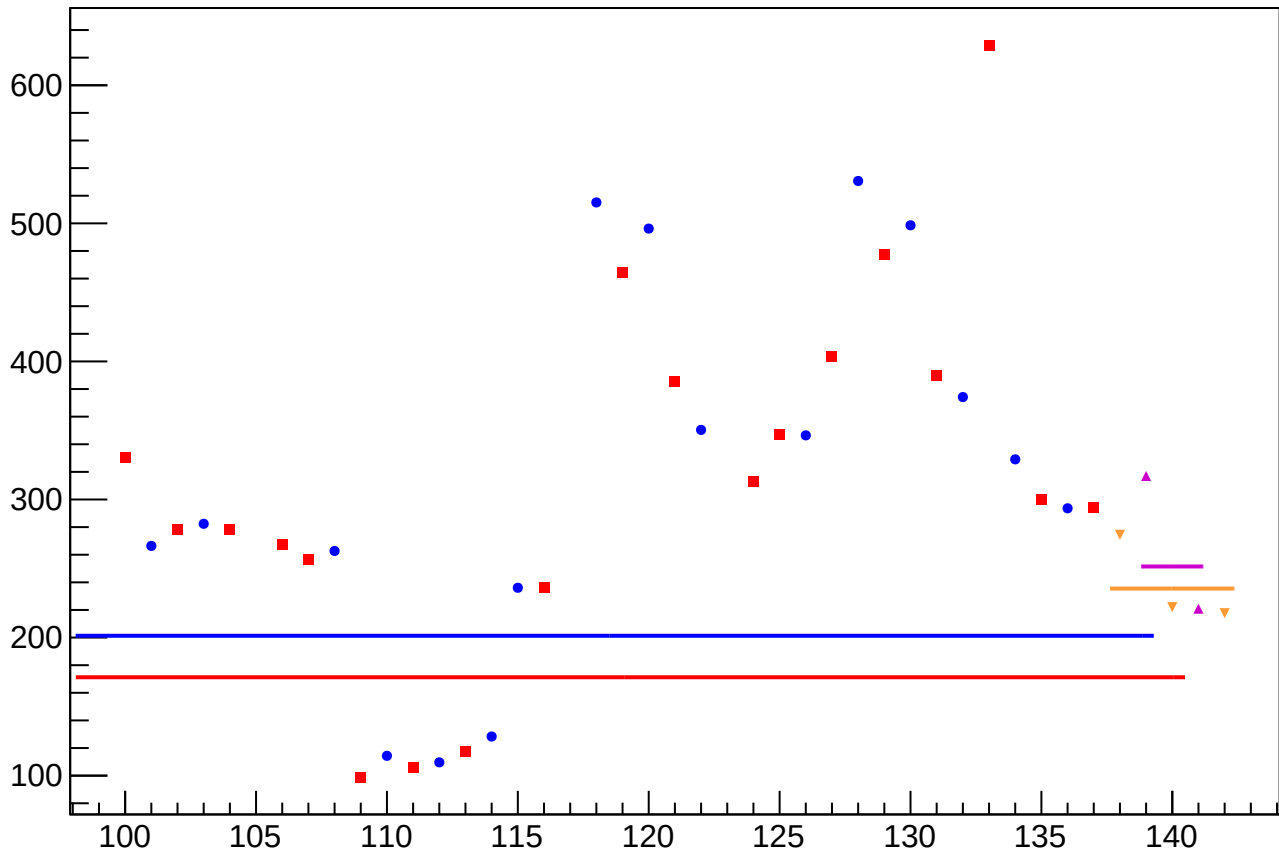
Left In: 363.239 ± 194.625 $\chi^2/\text{NDF}: 1.8/1$

+ sign -66.592 ± 76.964 $\chi^2/\text{NDF}: 25.3/18$

All: 76.270 ± 51.645 $\chi^2/\text{NDF}: 49.8/39$

- sign 193.289 ± 69.656 $\chi^2/\text{NDF}: 18.2/20$

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF : 3572199.4/15

Left Out: 235.504+/-0.117 χ^2/NDF :42736.7/2

Right Out: 171.252+/-0.053 χ^2/NDF : 4192554.2/18

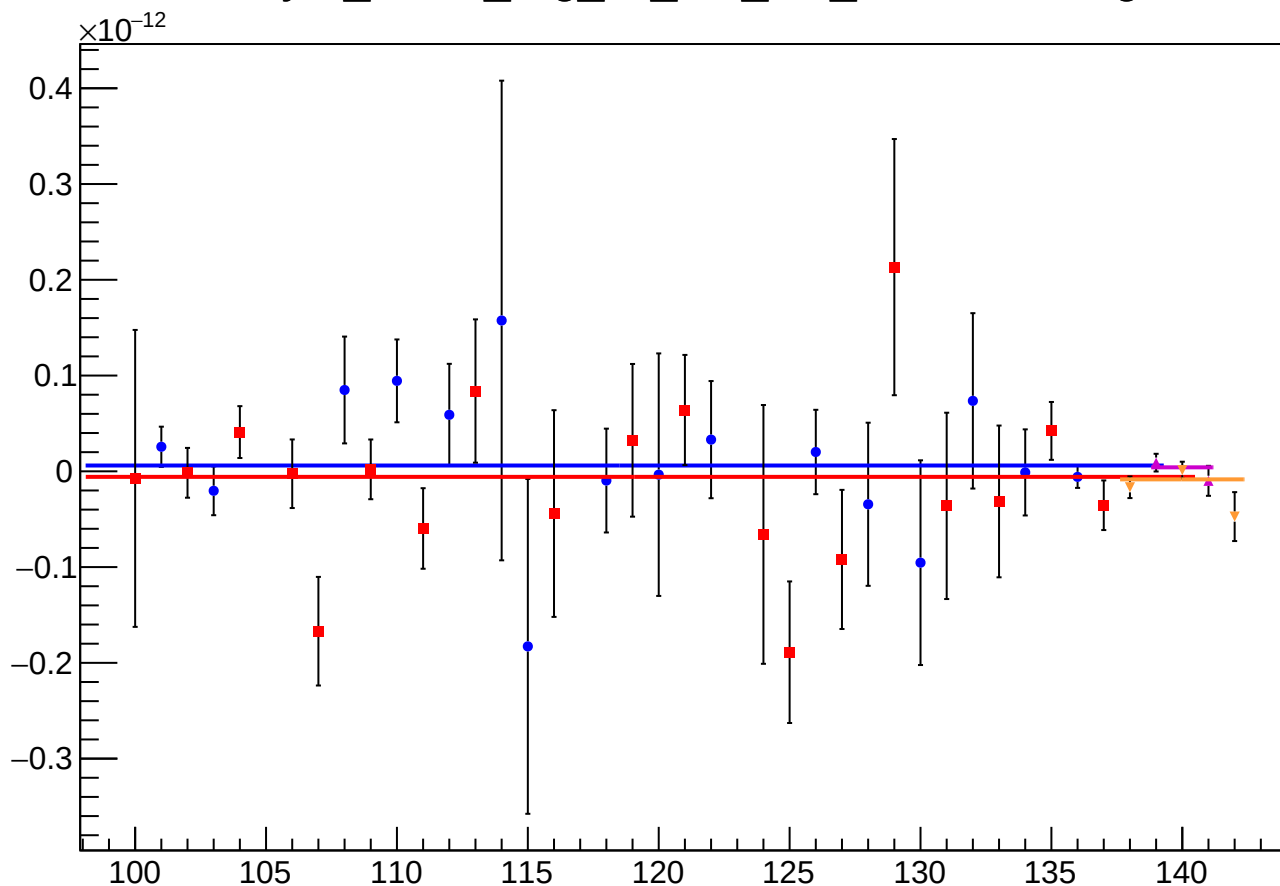
Left In: 251.493+/-0.138 χ^2/NDF :105768.5/1

+ sign 208.669+/-0.054 χ^2/NDF : 3681693.2/18

All: 193.750 ± 0.037 χ^2/NDF : 8413136.8/39

- sign 181.530+/-0.049 χ^2/NDF : 4594735.8/20

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 4.0/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.5/18

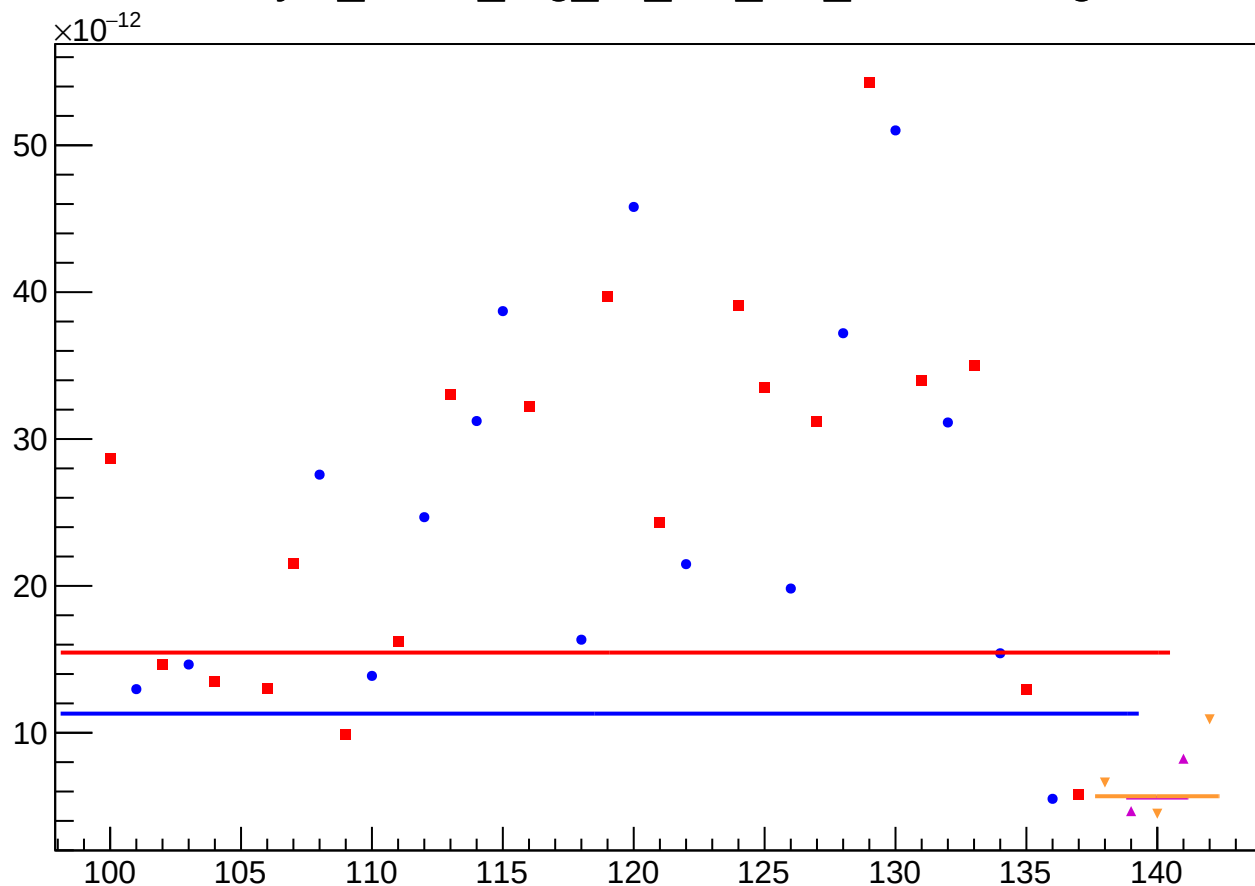
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.1/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 52.0/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32.2/20

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 134256.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1442096.6/18

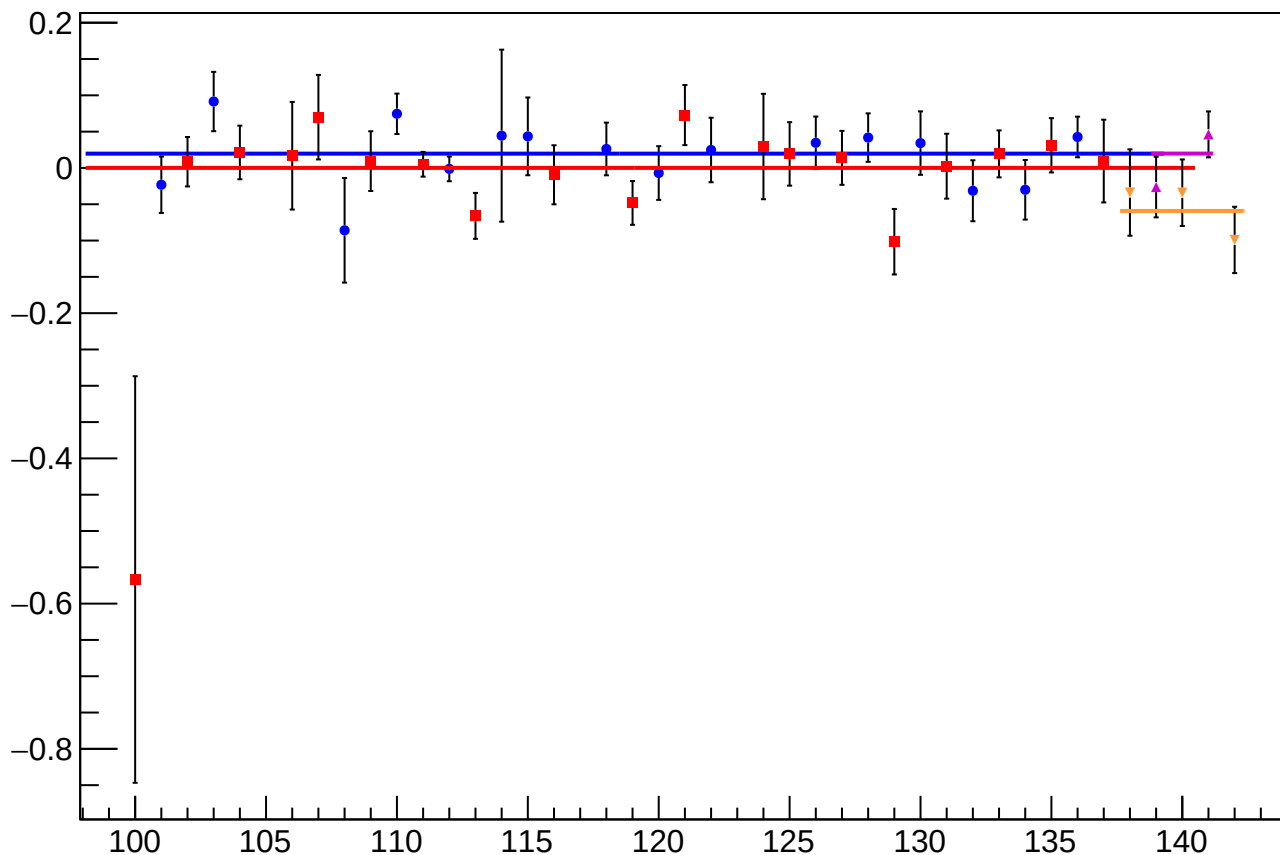
Left In: 0.000+/-0.000 χ^2/NDF : 77085.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2482744.1/18

All: 0.000+/-0.000 χ^2/NDF : 5228341.5/39

- sign 0.000+/-0.000 χ^2/NDF : 2685126.3/20

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 $\chi^2/\text{NDF}: 17.0/15$

Left Out: -0.059 ± 0.028 $\chi^2/\text{NDF}: 1.2/2$

Right Out: 0.000 ± 0.009 $\chi^2/\text{NDF}: 22.8/18$

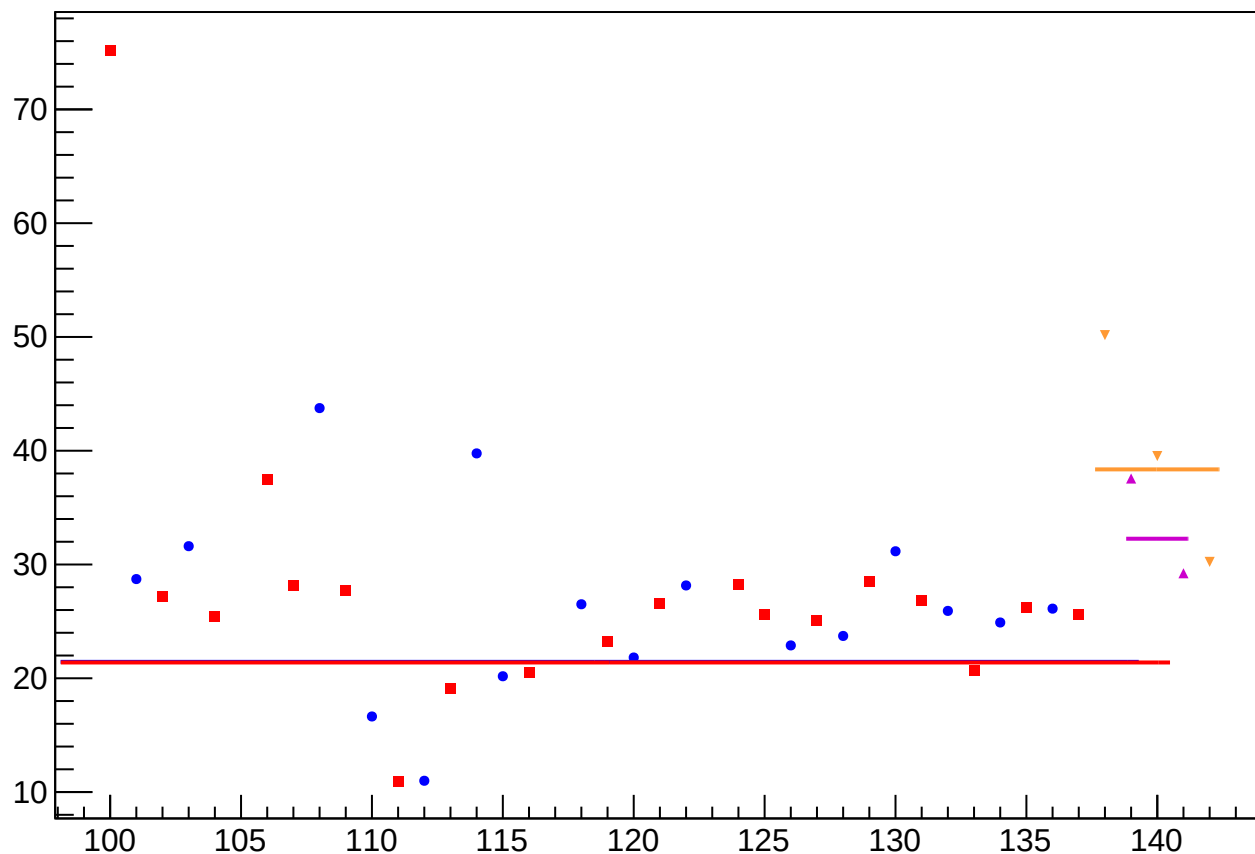
Left In: 0.020 ± 0.025 $\chi^2/\text{NDF}: 1.9/1$

+ sign 0.013 ± 0.008 $\chi^2/\text{NDF}: 25.3/18$

All: 0.007 ± 0.006 $\chi^2/\text{NDF}: 51.5/39$

- sign 0.002 ± 0.008 $\chi^2/\text{NDF}: 25.3/20$

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444 $\pm$ 0.006 χ^2 /NDF: 1540713.8/15

Left Out: 38.360 $\pm$ 0.020 χ^2 /NDF:143356.0/2

Right Out: 21.389 $\pm$ 0.006 χ^2 /NDF: 1311934.3/18

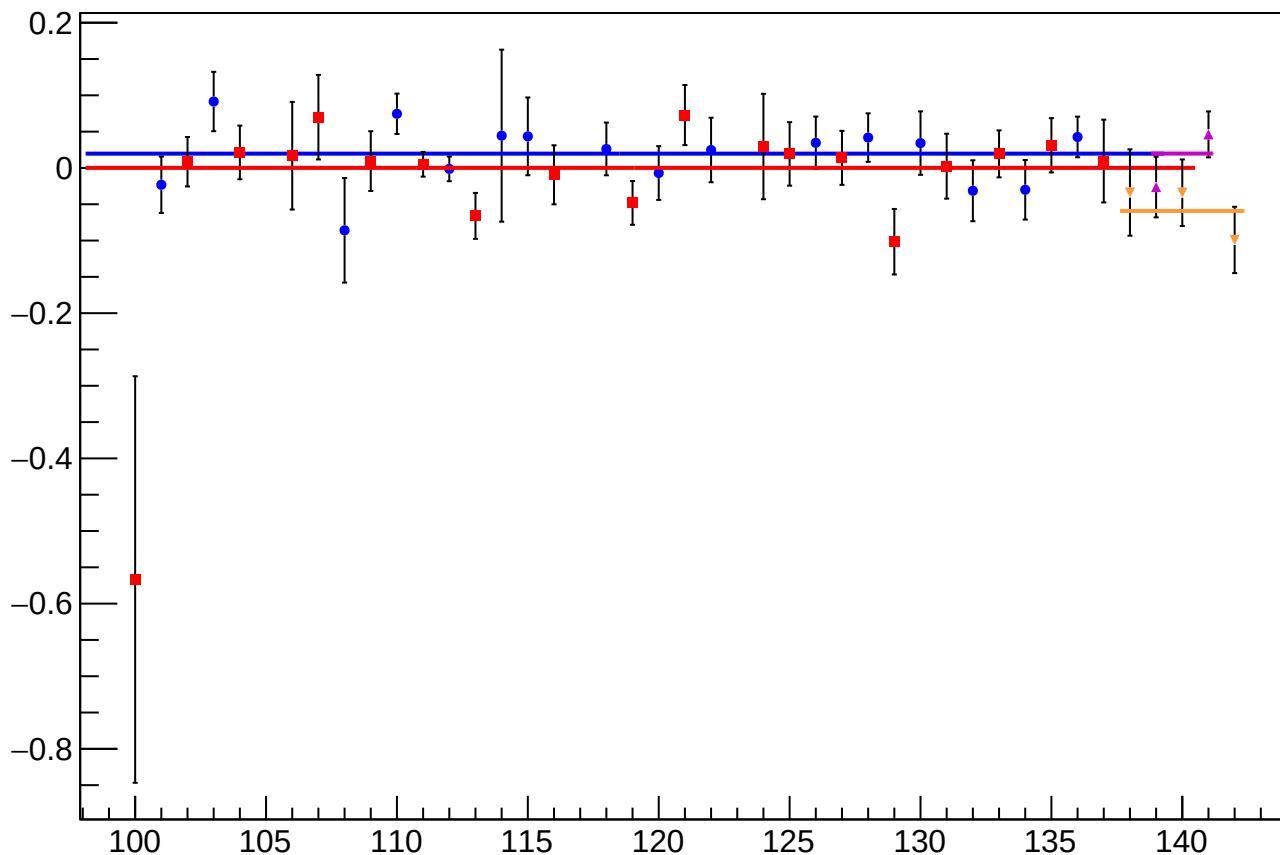
Left In: 32.266 $\pm$ 0.018 χ^2 /NDF:50547.7/1

+ sign 22.889 $\pm$ 0.006 χ^2 /NDF: 2332121.2/18

All: 22.689 $\pm$ 0.004 χ^2 /NDF: 4031038.8/39

- sign 22.501 $\pm$ 0.006 χ^2 /NDF: 1696677.5/20

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: -0.059 $\pm$ 0.028 χ^2/NDF : 1.2/2

Right Out: 0.000 $\pm$ 0.009 χ^2/NDF : 22.8/18

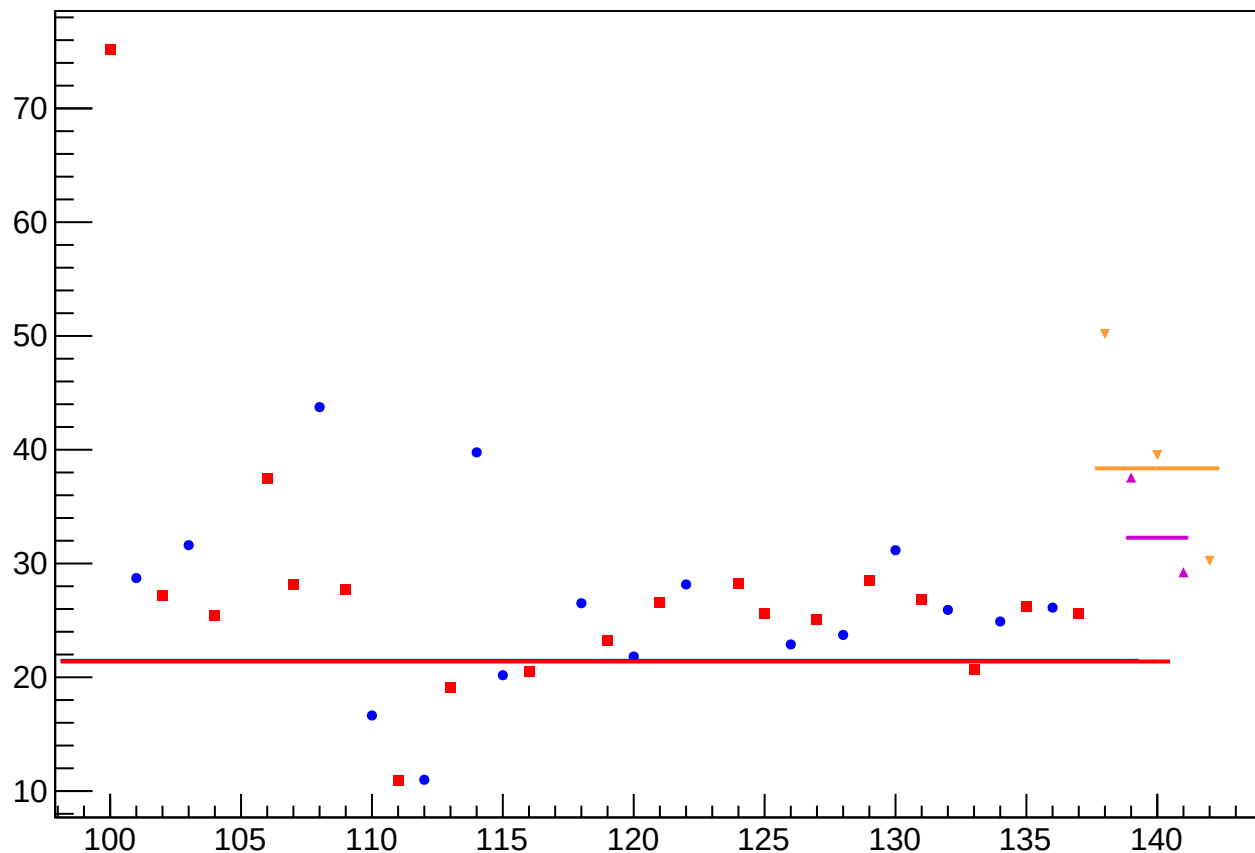
Left In: 0.020 $\pm$ 0.025 χ^2/NDF : 1.9/1

+ sign 0.013 $\pm$ 0.008 χ^2/NDF : 25.3/18

All: 0.007 $\pm$ 0.006 χ^2/NDF : 51.5/39

- sign 0.002 $\pm$ 0.008 χ^2/NDF : 25.3/20

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF : 1540713.8/15

Left Out: 38.360+/-0.020 χ^2/NDF :143356.0/2

Right Out: 21.389+/-0.006 χ^2/NDF : 1311934.3/18

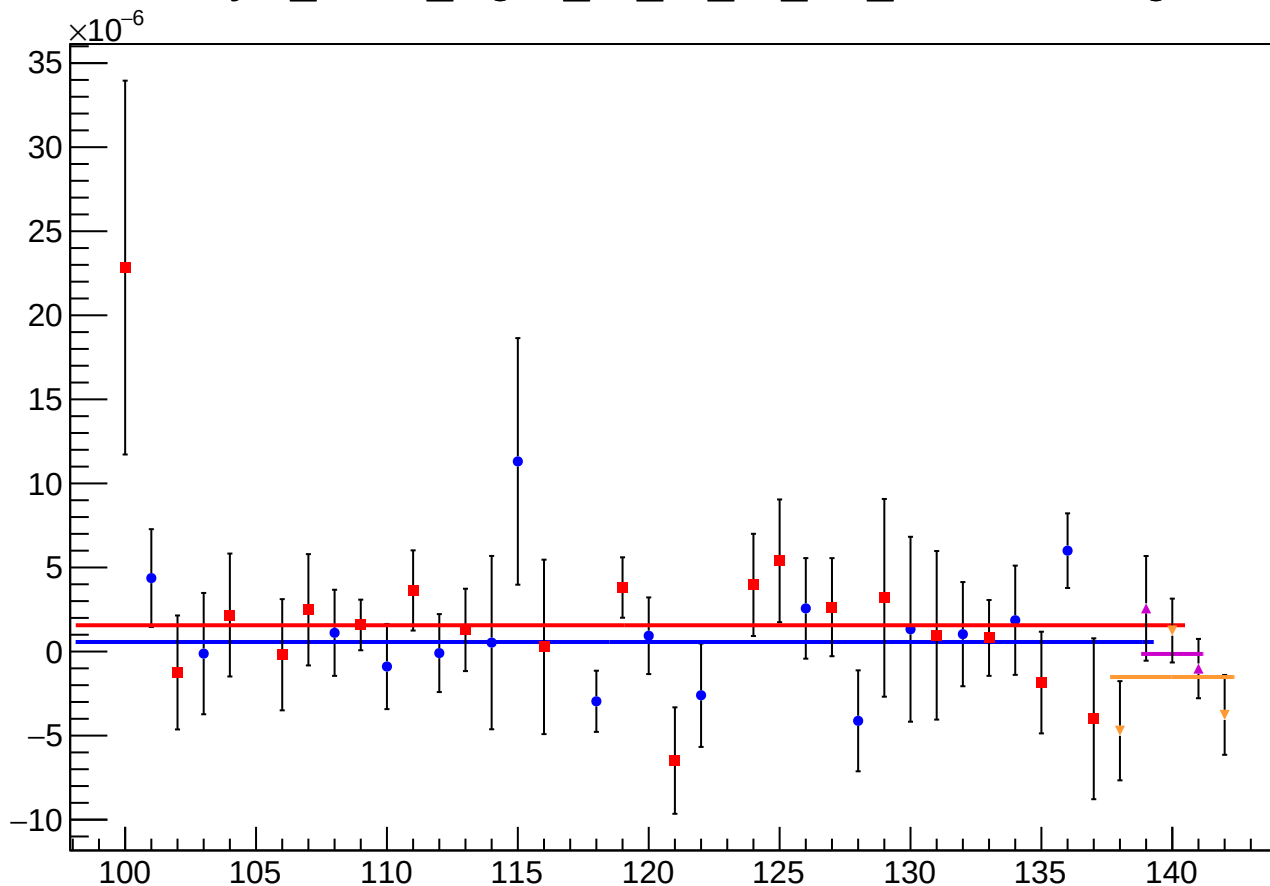
Left In: 32.266+/-0.018 χ^2/NDF :50547.7/1

+ sign 22.889+/-0.006 χ^2/NDF : 2332121.2/18

All: 22.689+/-0.004 χ^2/NDF : 4031038.8/39

- sign 22.501+/-0.006 χ^2/NDF : 1696677.5/20

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 : 4.2/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.3/18

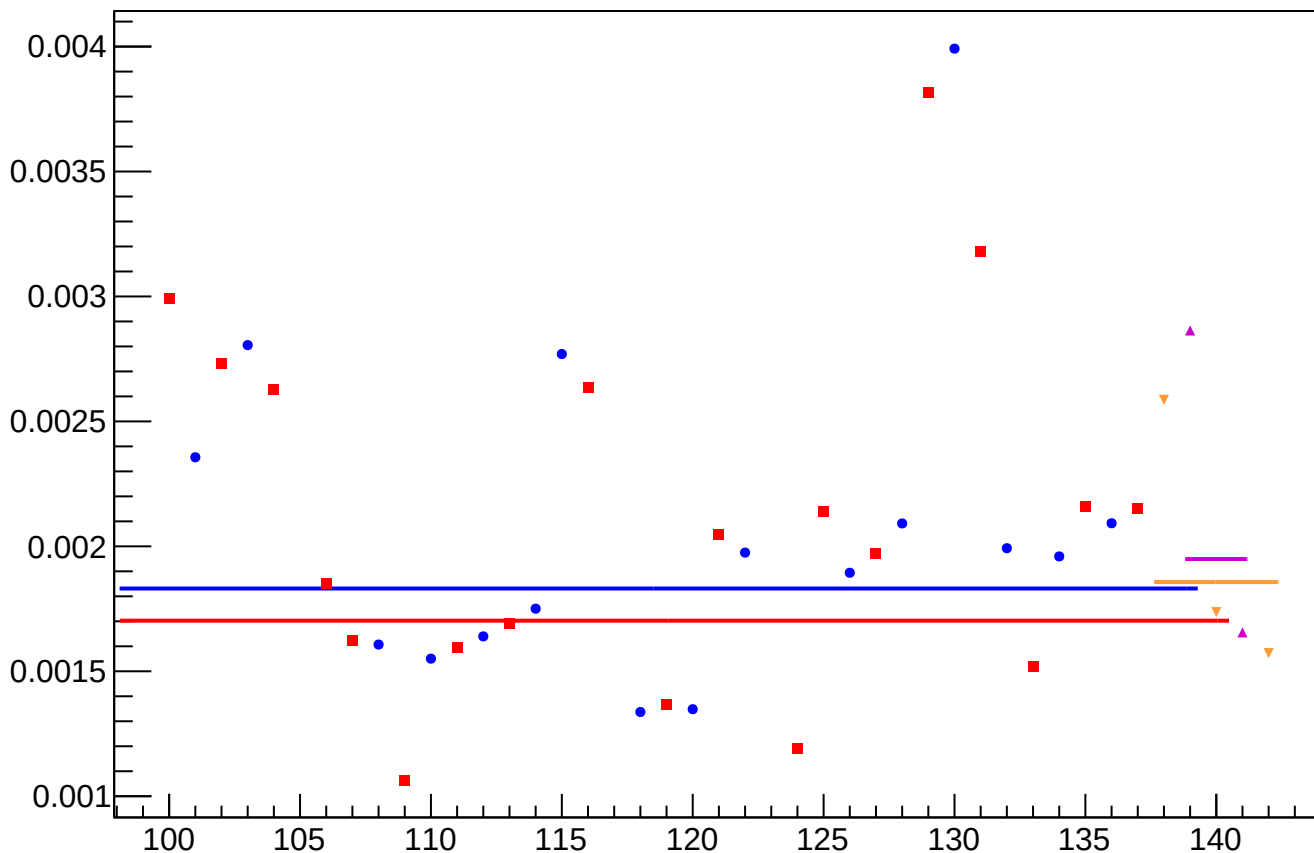
Left In: -0.000 ± 0.000 χ^2/NDF : 1.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 24.4/18

All: 0.000 ± 0.000 χ^2/NDF : 46.6/39

- sign 0.000 ± 0.000 χ^2/NDF : 20.3/20

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 :158968.1/2

Right Out: 0.002+/-0.000 χ^2/NDF : 1478057.9/18

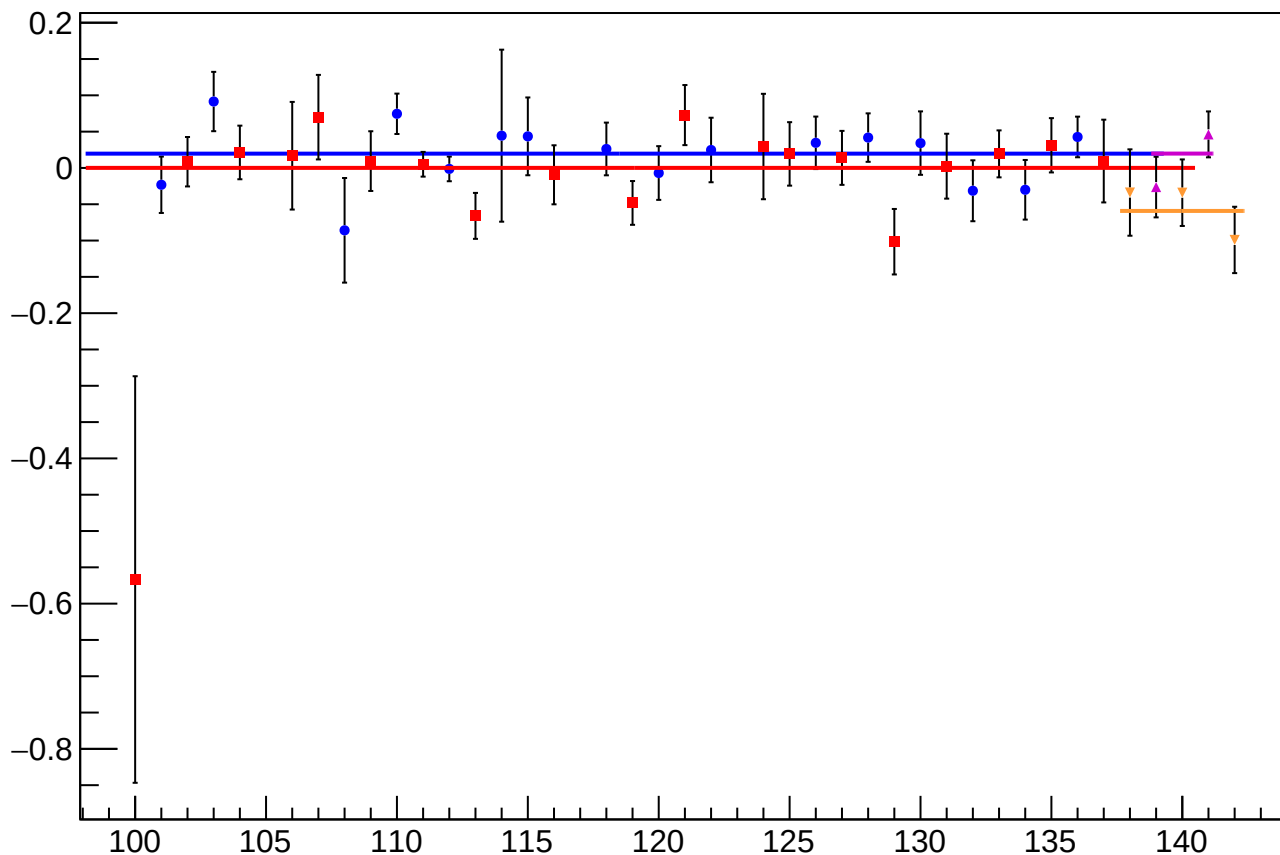
Left In: 0.002+/-0.000 χ^2/NDF :227870.9/1

+ sign 0.002+/-0.000 χ^2/NDF : 1059962.2/18

All: 0.002+/-0.000 χ^2/NDF : 2833927.9/39

- sign 0.002+/-0.000 χ^2/NDF : 1749549.6/20

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 $\chi^2/\text{NDF}: 17.0/15$

Left Out: -0.059 ± 0.028 $\chi^2/\text{NDF}: 1.2/2$

Right Out: 0.000 ± 0.009 $\chi^2/\text{NDF}: 22.8/18$

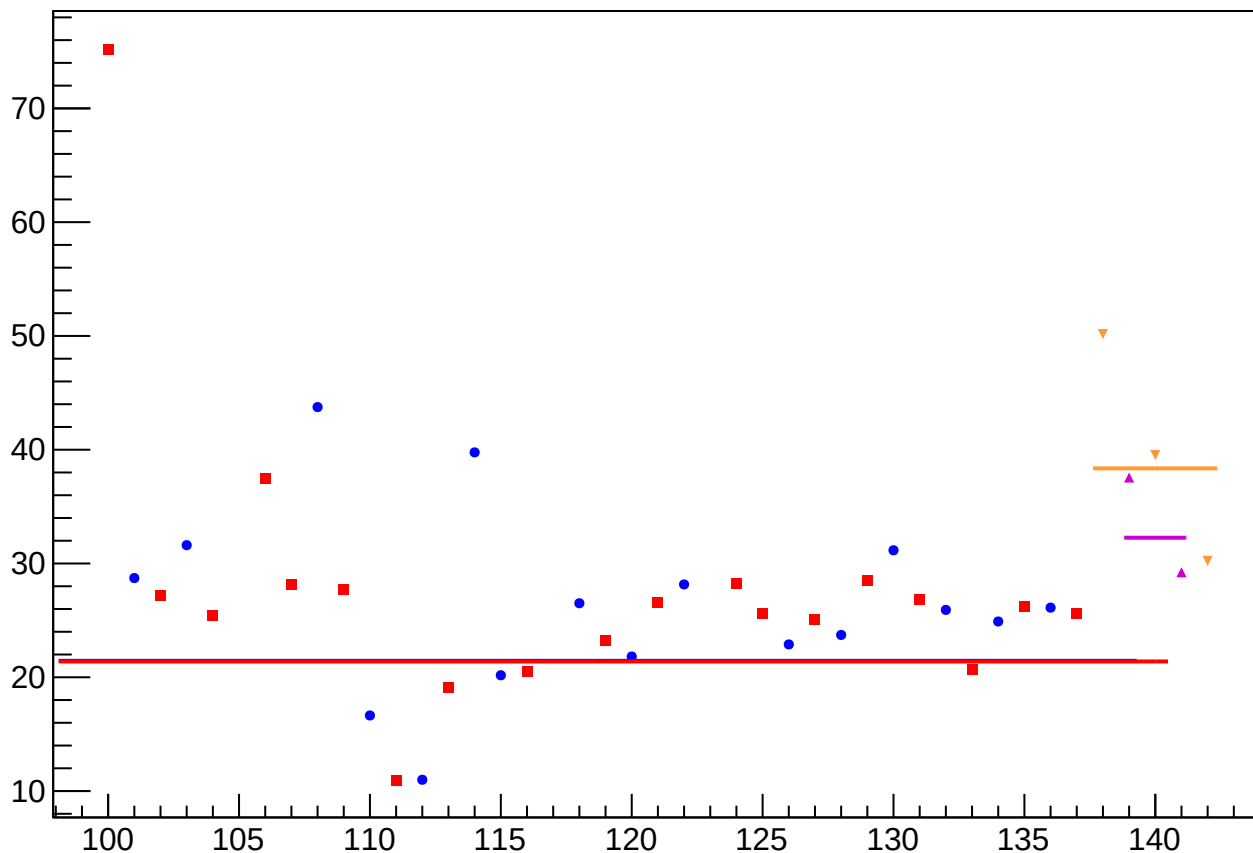
Left In: 0.020 ± 0.025 $\chi^2/\text{NDF}: 1.9/1$

+ sign 0.013 ± 0.008 $\chi^2/\text{NDF}: 25.3/18$

All: 0.007 ± 0.006 $\chi^2/\text{NDF}: 51.5/39$

- sign 0.002 ± 0.008 $\chi^2/\text{NDF}: 25.3/20$

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF : 1540859.8/15

Left Out: 38.360+/-0.020 χ^2/NDF : 143347.3/2

Right Out: 21.389+/-0.006 χ^2/NDF : 1312055.7/18

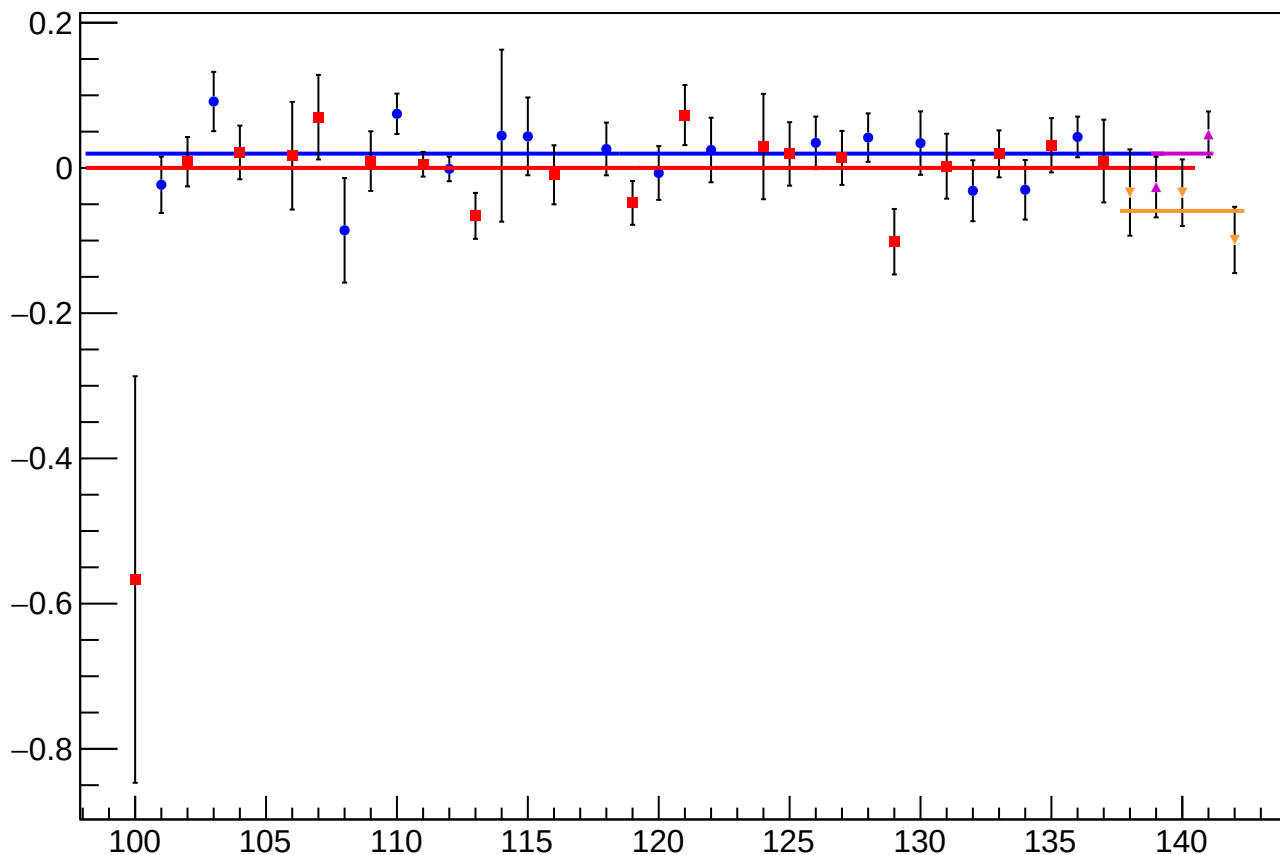
Left In: 32.266+/-0.018 χ^2/NDF : 50544.6/1

+ sign 22.888+/-0.006 χ^2/NDF : 2332322.6/18

All: 22.688+/-0.004 χ^2/NDF : 4031403.0/39

- sign 22.501+/-0.006 χ^2/NDF : 1696840.8/20

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 $\pm$ 0.009 χ^2 /NDF: 17.0/15

Left Out: -0.059 $\pm$ 0.028 χ^2 /NDF: 1.2/2

Right Out: 0.000 $\pm$ 0.009 χ^2 /NDF: 22.8/18

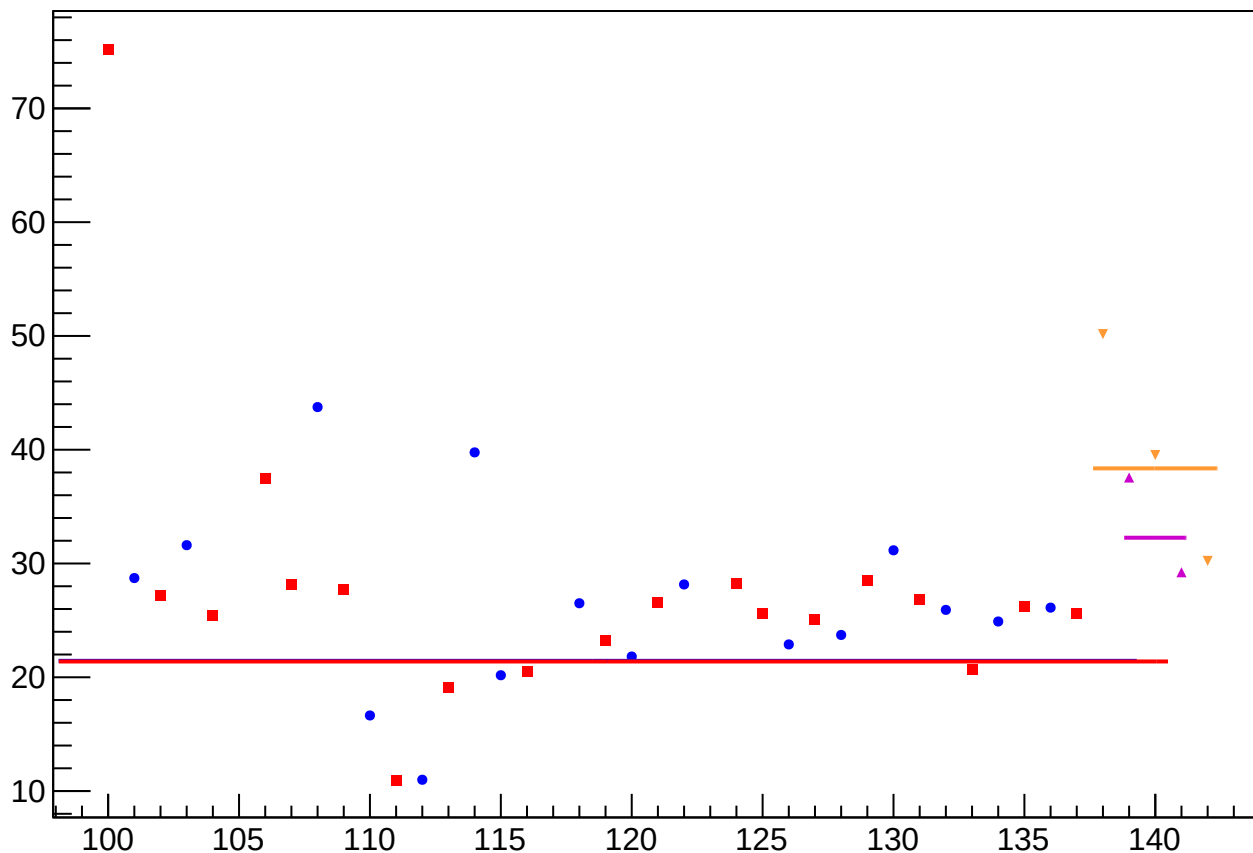
Left In: 0.020 $\pm$ 0.025 χ^2 /NDF: 1.9/1

+ sign 0.013 $\pm$ 0.008 χ^2 /NDF: 25.3/18

All: 0.007 $\pm$ 0.006 χ^2 /NDF: 51.5/39

- sign 0.002 $\pm$ 0.008 χ^2 /NDF: 25.3/20

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF : 1540859.8/15

Left Out: 38.360+/-0.020 χ^2/NDF : 143347.3/2

Right Out: 21.389+/-0.006 χ^2/NDF : 1312055.7/18

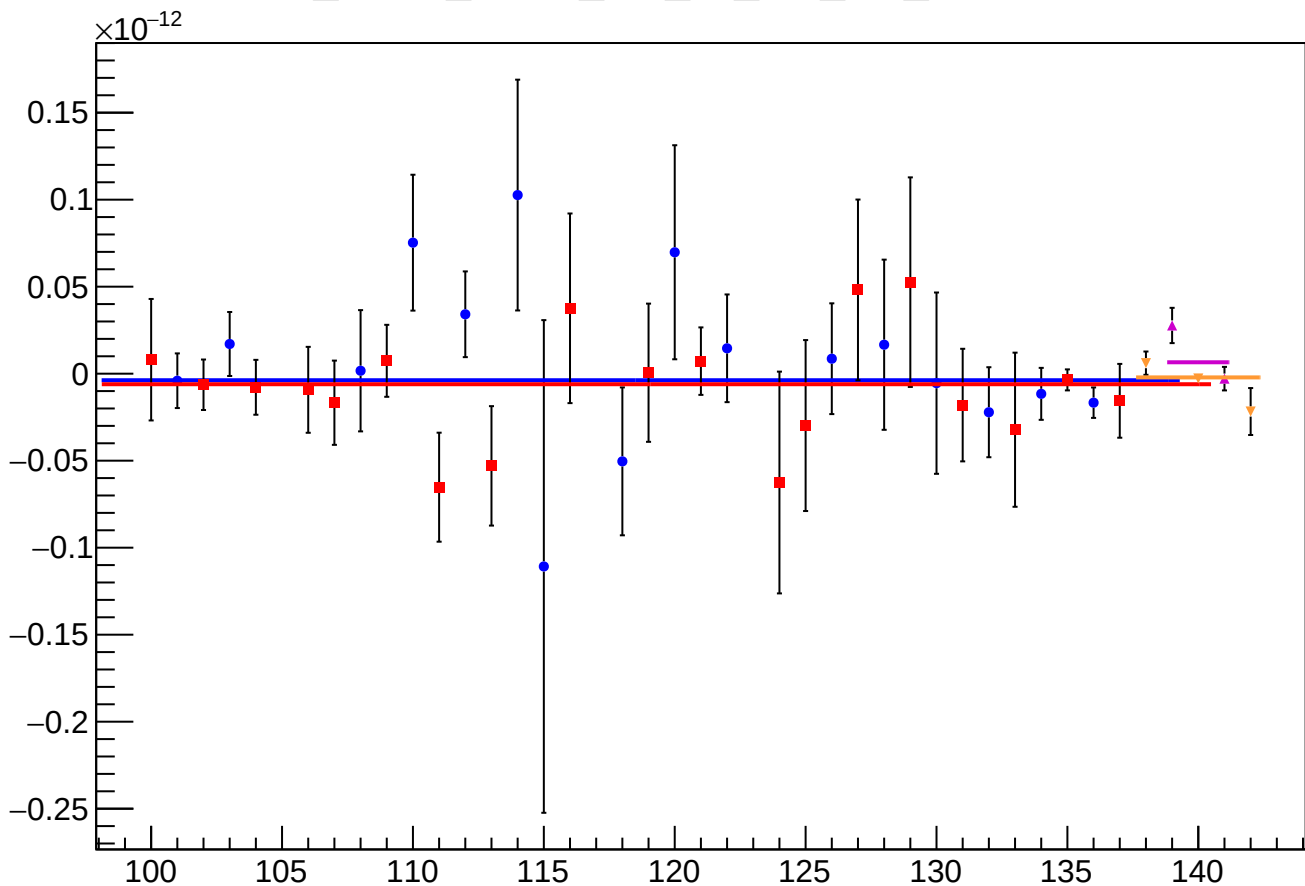
Left In: 32.266+/-0.018 χ^2/NDF : 50544.6/1

+ sign 22.888+/-0.006 χ^2/NDF : 2332322.6/18

All: 22.688+/-0.004 χ^2/NDF : 4031403.0/39

- sign 22.501+/-0.006 χ^2/NDF : 1696840.8/20

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 3.7/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.3/18

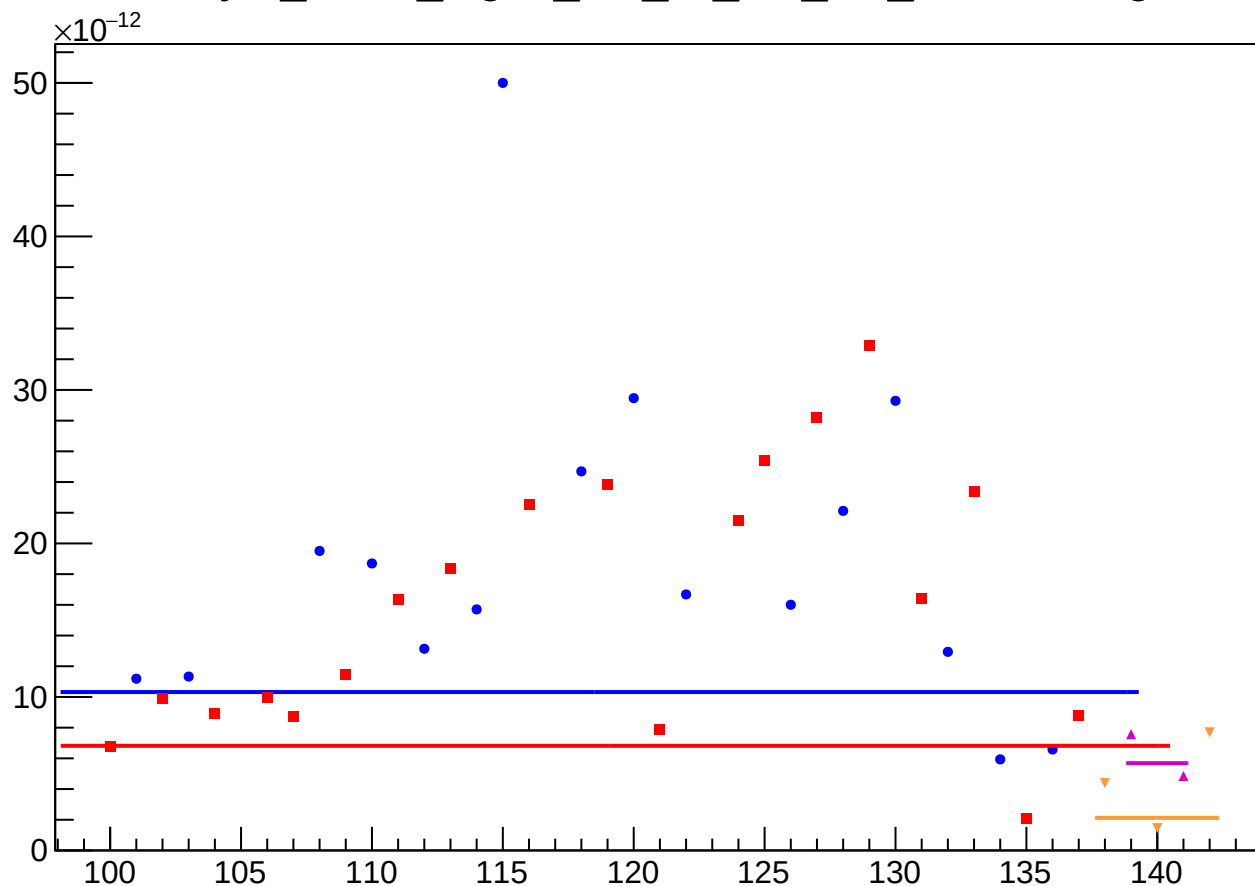
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6.3/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/20

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 : 678357.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 4021812.9/18

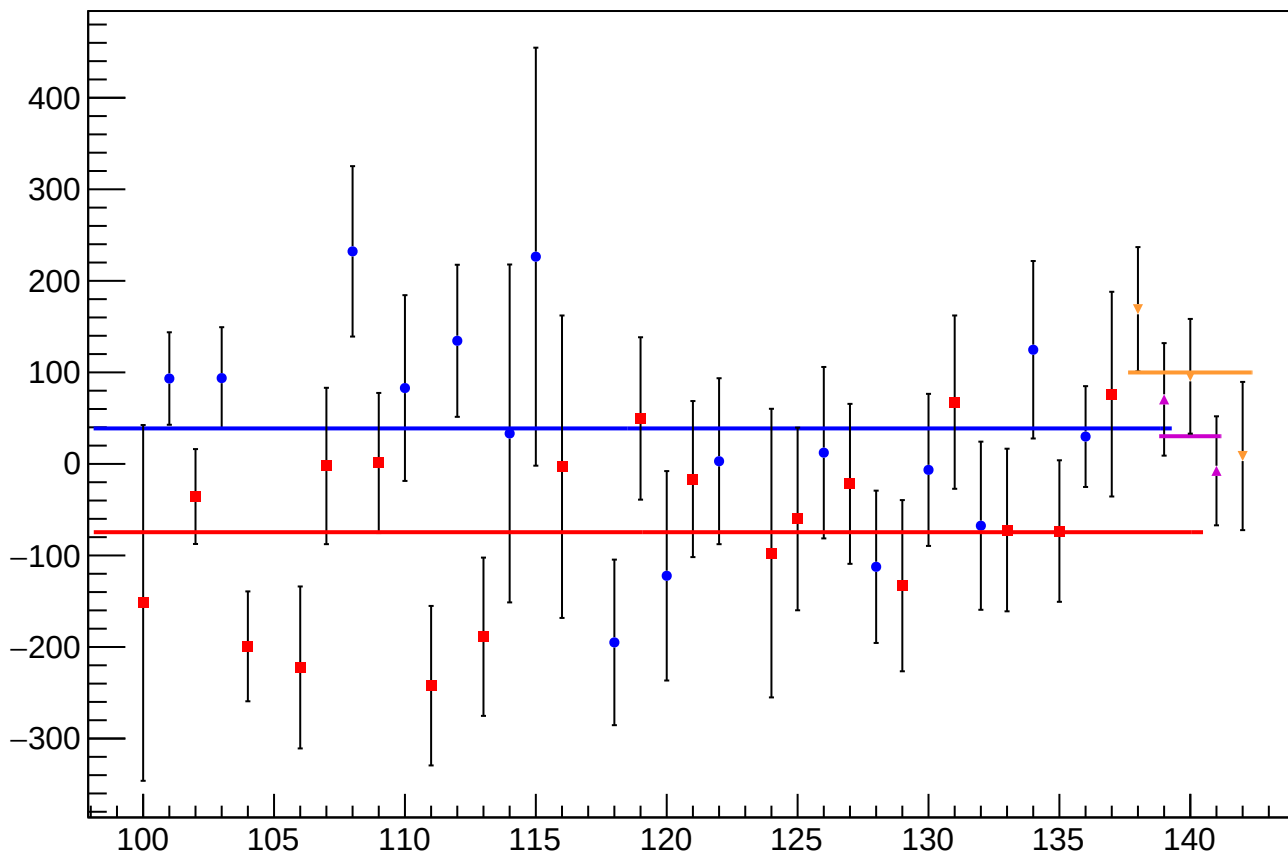
Left In: 0.000+/-0.000 χ^2/NDF : 99989.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 6264027.2/18

All: 0.000+/-0.000 χ^2/NDF : 11328787.7/39

- sign 0.000+/-0.000 χ^2/NDF : 4172474.1/20

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782 ± 20.413 $\chi^2/\text{NDF}: 23.3/15$

Left Out: 99.893 ± 40.029 $\chi^2/\text{NDF}: 2.3/2$

Right Out: -74.578 ± 19.802 $\chi^2/\text{NDF}: 22.5/18$

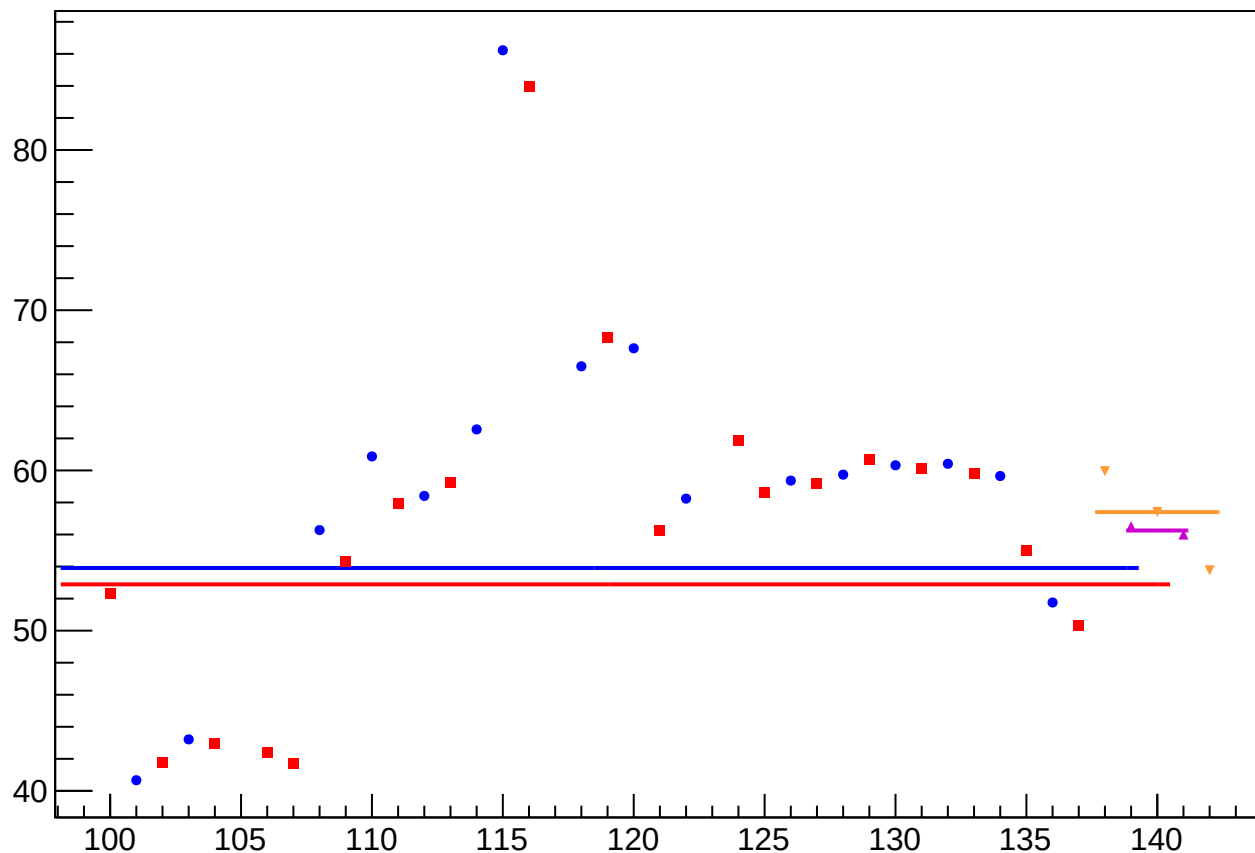
Left In: 30.258 ± 42.769 $\chi^2/\text{NDF}: 0.8/1$

+ sign 51.395 ± 18.185 $\chi^2/\text{NDF}: 27.5/18$

All: -2.980 ± 12.782 $\chi^2/\text{NDF}: 73.4/39$

- sign -56.072 ± 17.969 $\chi^2/\text{NDF}: 28.2/20$

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912 $\pm$ 0.014 χ^2 /NDF: 393261.4/15

Left Out: 57.400 $\pm$ 0.028 χ^2 /NDF: 6855.7/2

Right Out: 52.889 $\pm$ 0.014 χ^2 /NDF: 425226.7/18

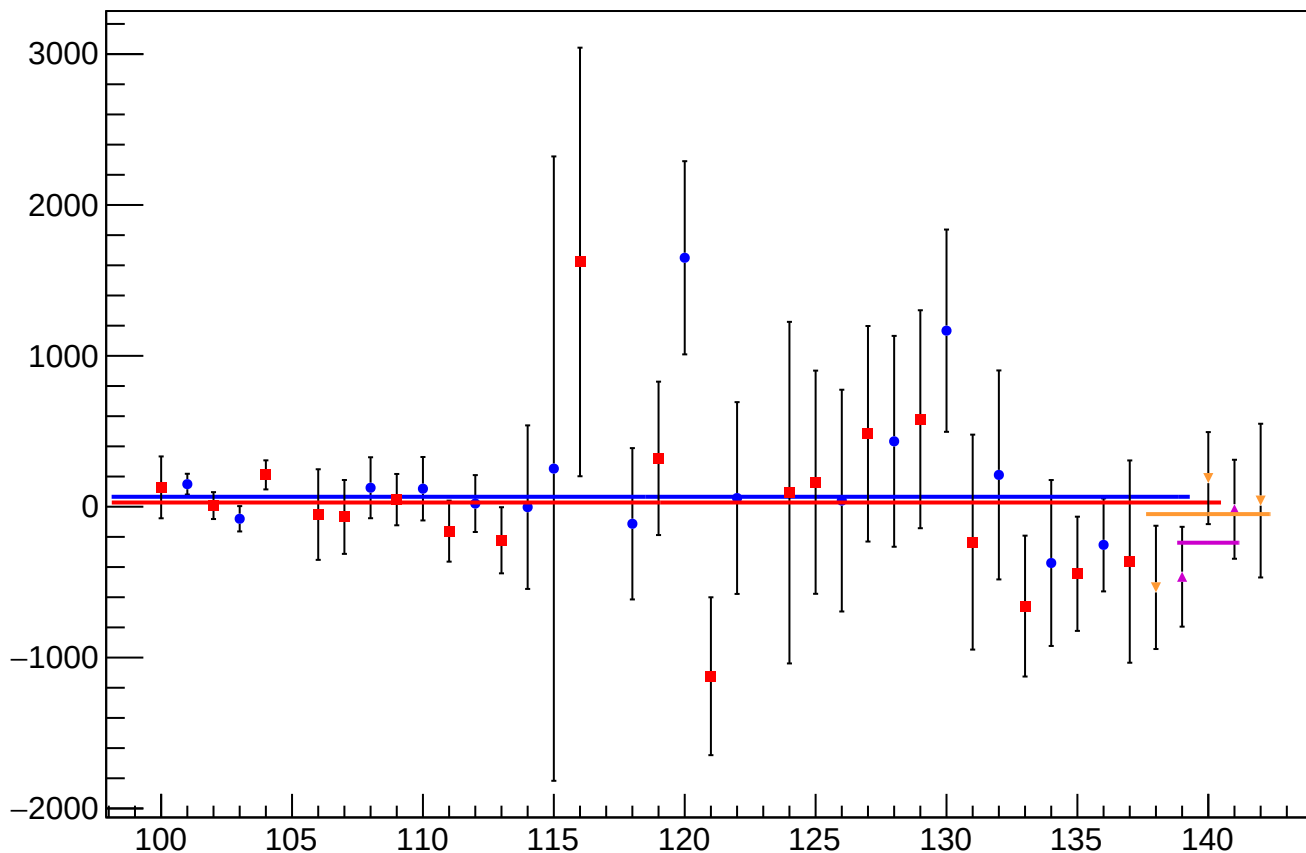
Left In: 56.250 $\pm$ 0.030 χ^2 /NDF: 72.6/1

+ sign 54.632 $\pm$ 0.013 χ^2 /NDF: 412169.4/18

All: 54.050 $\pm$ 0.009 χ^2 /NDF: 851687.6/39

- sign 53.482 $\pm$ 0.013 χ^2 /NDF: 435472.5/20

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF : 15.7/15

Left Out: -49.001+/-220.372 χ^2/NDF : 2.1/2

Right Out: 27.850+/-50.291 χ^2/NDF : 18.0/18

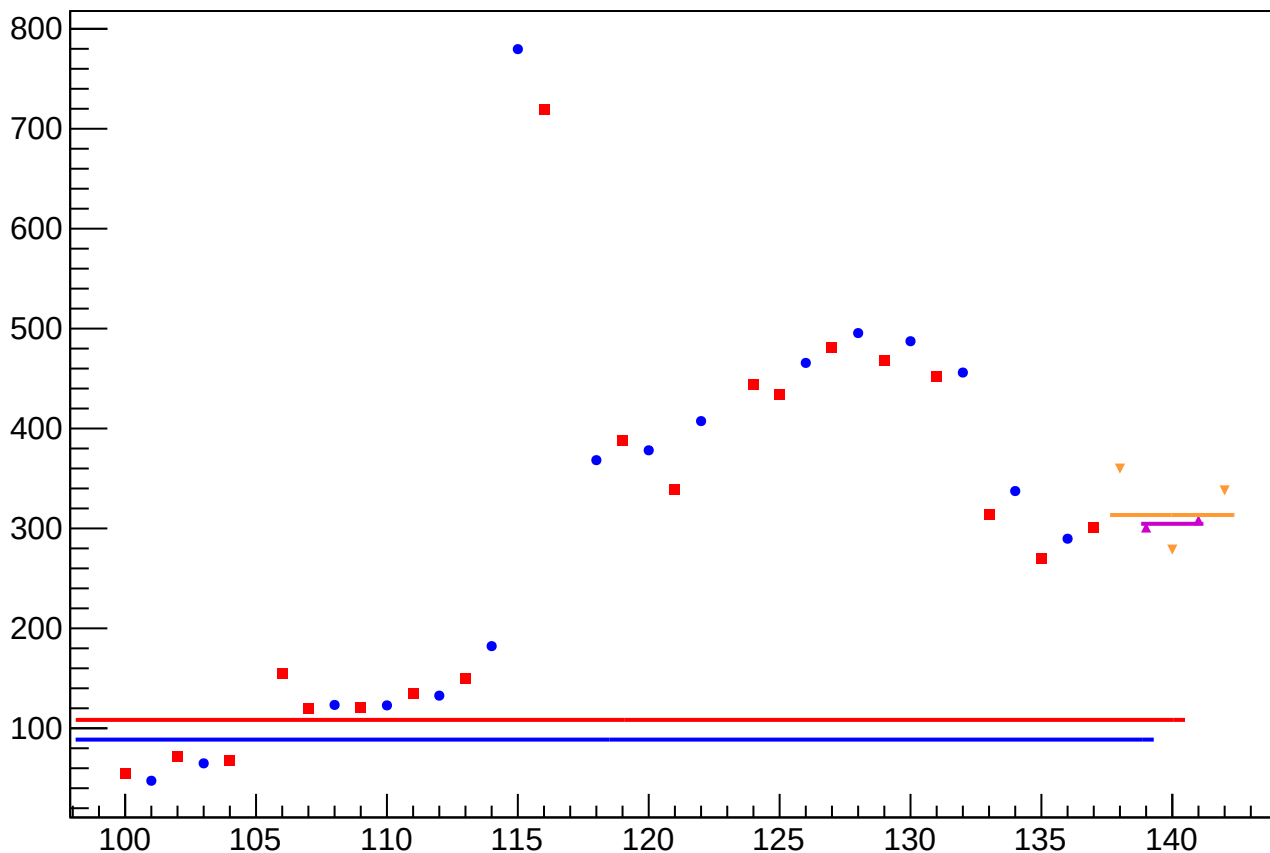
Left In: -238.645+/-232.948 χ^2/NDF : 0.9/1

+ sign 60.962+/-45.478 χ^2/NDF : 18.0/18

All: 40.219+/-33.383 χ^2/NDF : 38.6/39

- sign 15.982+/-49.159 χ^2/NDF : 20.2/20

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF : 6648055.6/15

Left Out: 313.467+/-0.156 χ^2/NDF : 56276.5/2

Right Out: 108.385+/-0.036 χ^2/NDF : 5362841.6/18

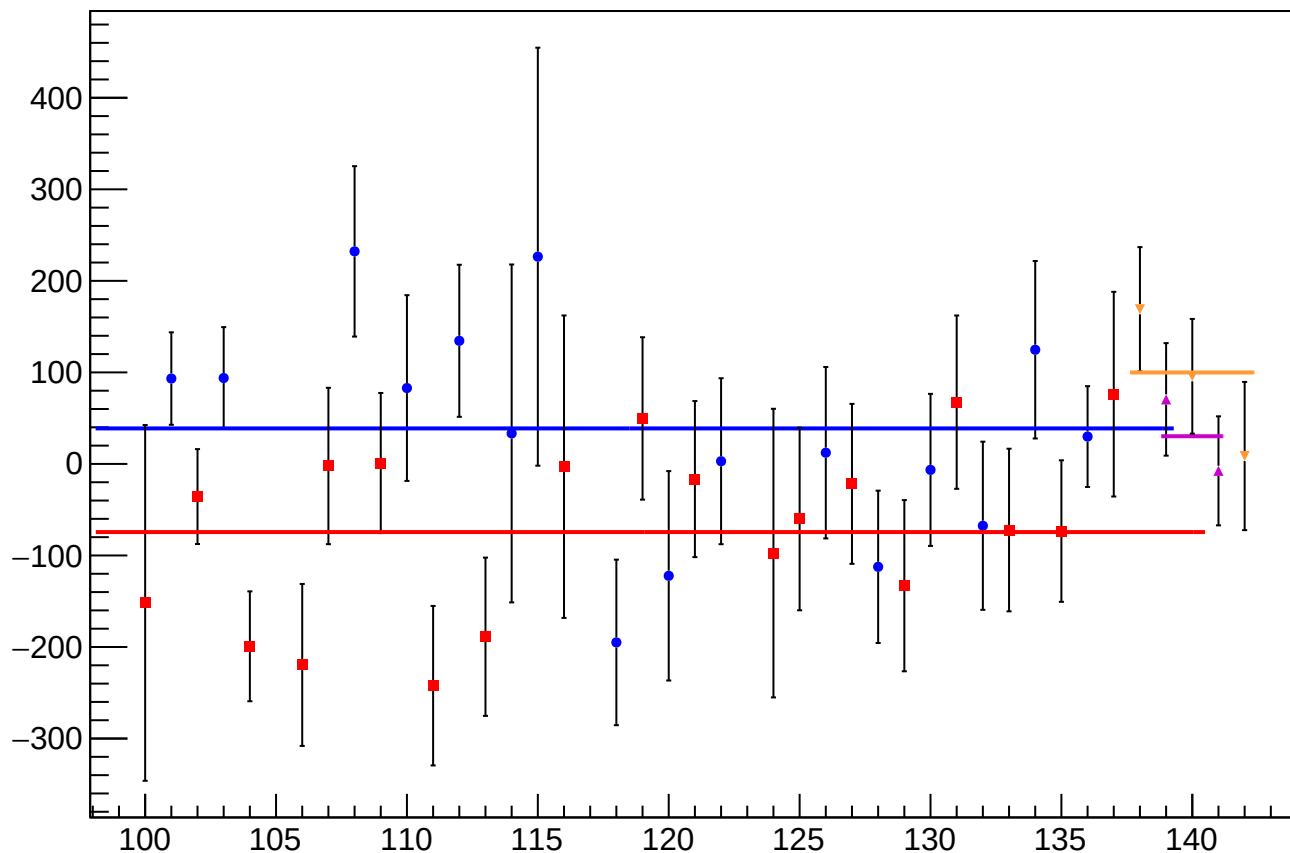
Left In: 304.635+/-0.165 χ^2/NDF : 498.3/1

+ sign 98.232+/-0.032 χ^2/NDF : 8697053.6/18

All: 106.945+/-0.024 χ^2/NDF : 15575847.6/39

- sign 117.125+/-0.035 χ^2/NDF : 6719618.2/20

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794 ± 20.413 $\chi^2/\text{NDF}: 23.3/15$

Left Out: 99.894 ± 40.029 $\chi^2/\text{NDF}: 2.3/2$

Right Out: -74.442 ± 19.803 $\chi^2/\text{NDF}: 22.3/18$

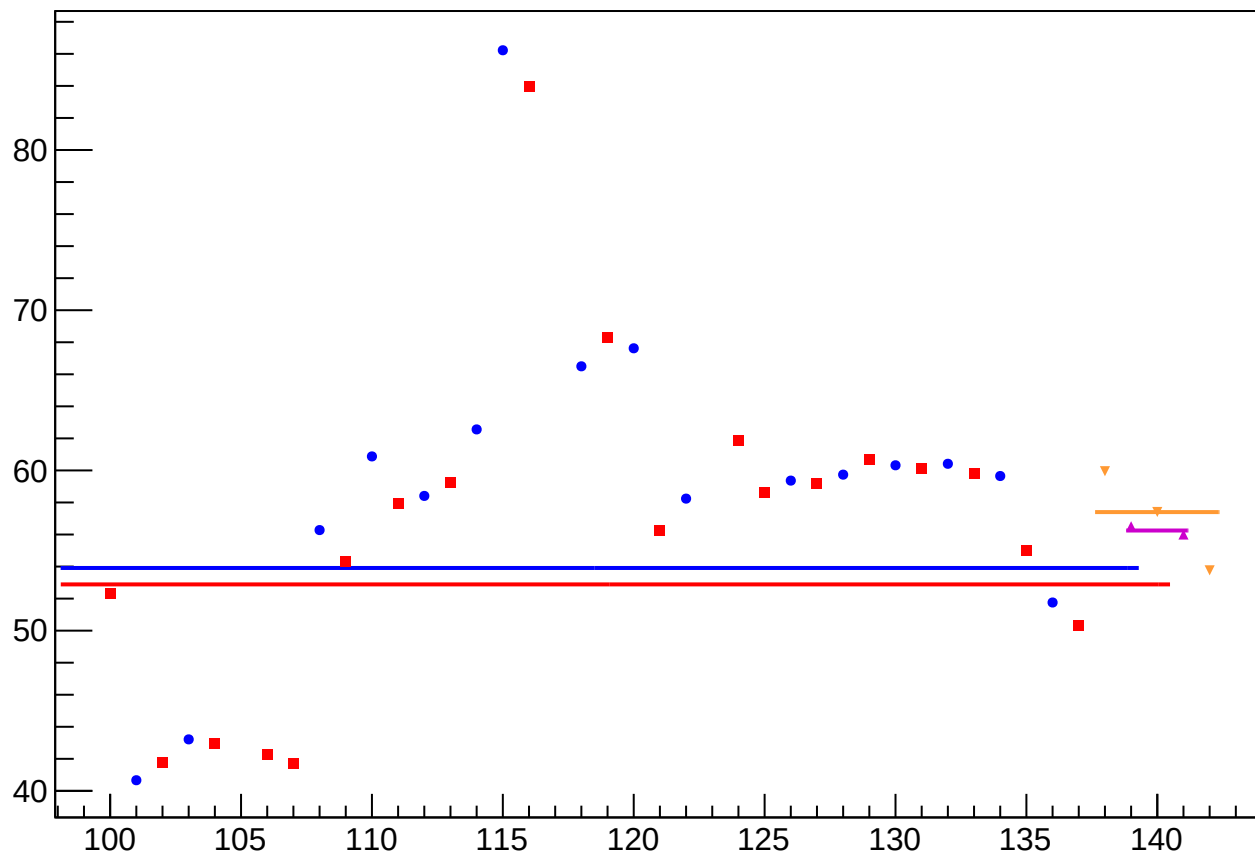
Left In: 30.251 ± 42.769 $\chi^2/\text{NDF}: 0.8/1$

+ sign 51.404 ± 18.185 $\chi^2/\text{NDF}: 27.5/18$

All: -2.915 ± 12.782 $\chi^2/\text{NDF}: 73.2/39$

- sign -55.959 ± 17.970 $\chi^2/\text{NDF}: 28.1/20$

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912 $\pm$ 0.014 χ^2 /NDF: 393260.8/15

Left Out: 57.400 $\pm$ 0.028 χ^2 /NDF: 6855.7/2

Right Out: 52.887 $\pm$ 0.014 χ^2 /NDF: 425534.3/18

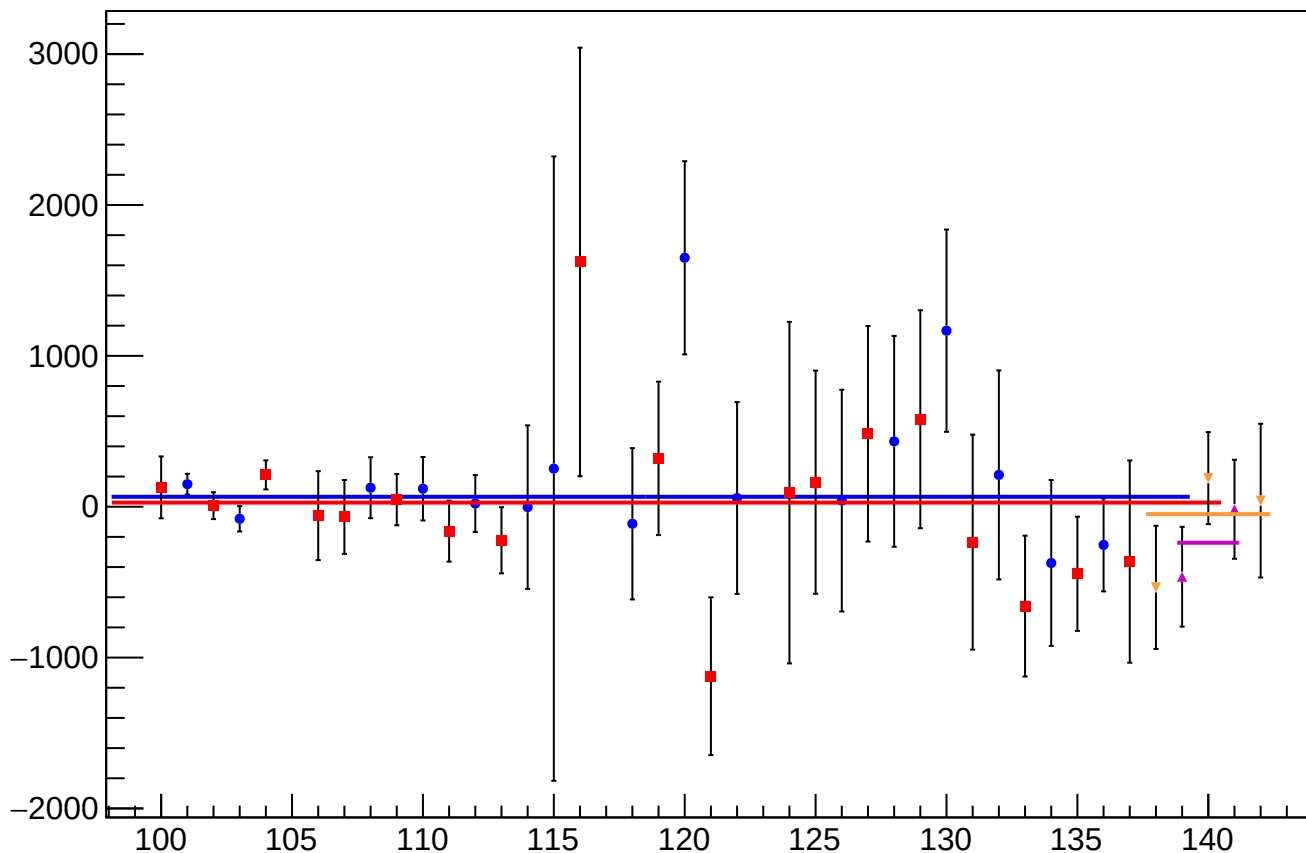
Left In: 56.250 $\pm$ 0.030 χ^2 /NDF: 72.6/1

+ sign 54.632 $\pm$ 0.013 χ^2 /NDF: 412168.7/18

All: 54.049 $\pm$ 0.009 χ^2 /NDF: 852020.2/39

- sign 53.481 $\pm$ 0.013 χ^2 /NDF: 435793.4/20

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857 $\pm$ 46.477 χ^2 /NDF: 15.7/15

Left Out: -48.997 $\pm$ 220.372 χ^2 /NDF:2.1/2

Right Out: 27.406 $\pm$ 50.249 χ^2 /NDF: 18.0/18

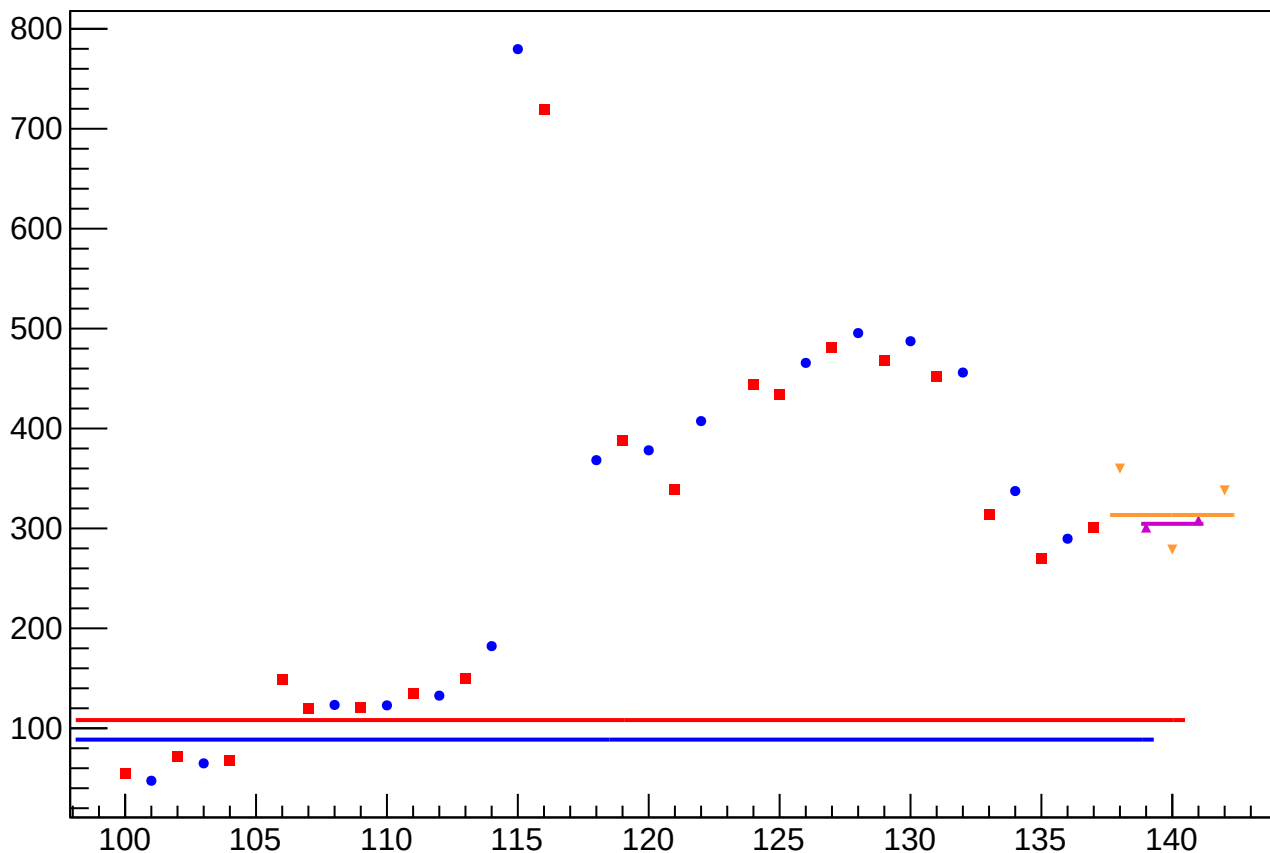
Left In: -238.644 $\pm$ 232.948 χ^2 /NDF:0.9/1

+ sign 60.966 $\pm$ 45.477 χ^2 /NDF: 18.0/18

All: 40.016 $\pm$ 33.370 χ^2 /NDF: 38.7/39

- sign 15.577 $\pm$ 49.119 χ^2 /NDF: 20.2/20

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF : 6648135.5/15

Left Out: 313.467+/-0.156 χ^2/NDF : 56276.6/2

Right Out: 108.207+/-0.036 χ^2/NDF : 5354864.8/18

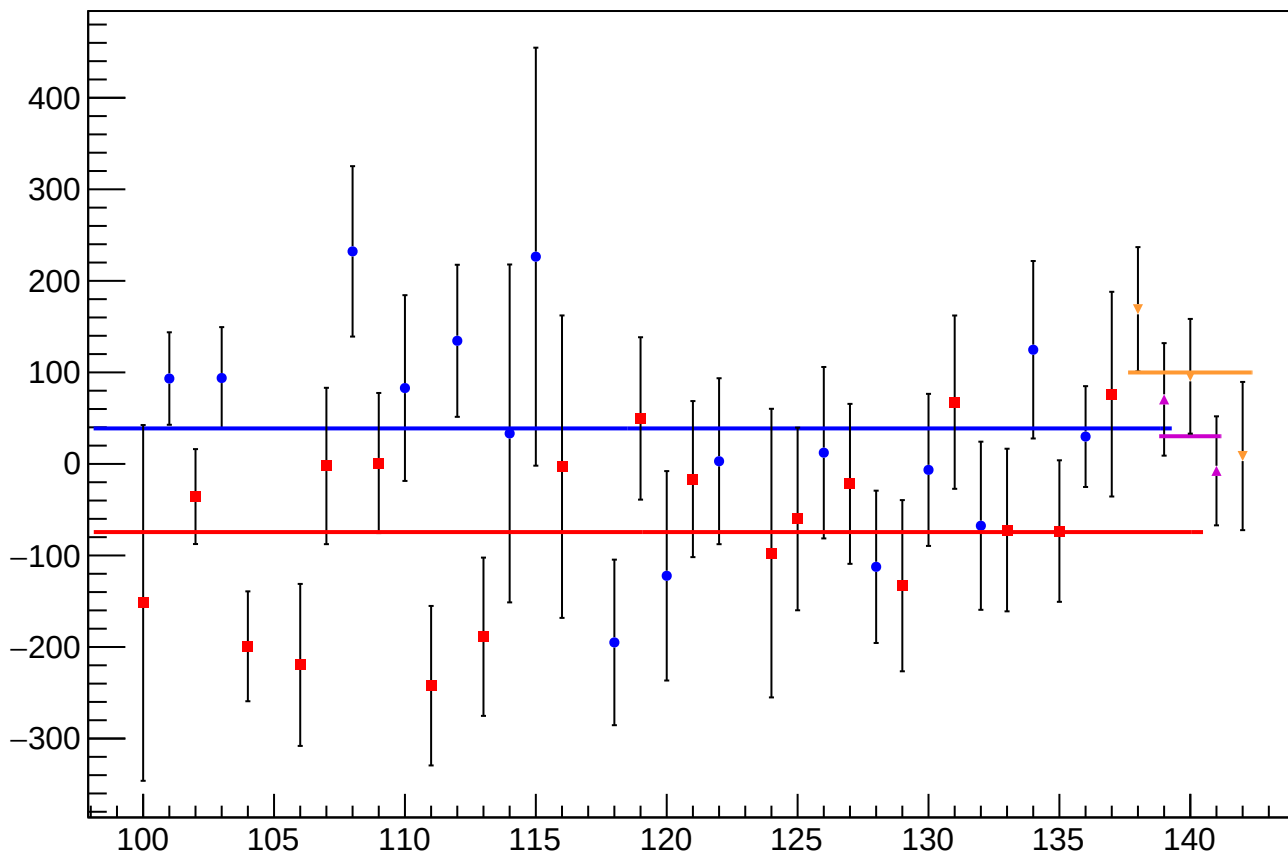
Left In: 304.636+/-0.165 χ^2/NDF : 498.4/1

+ sign 98.229+/-0.032 χ^2/NDF : 8697182.2/18

All: 106.865+/-0.024 χ^2/NDF : 15567659.8/39

- sign 116.940+/-0.035 χ^2/NDF : 6714214.1/20

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794 $\pm$ 20.413 χ^2 /NDF: 23.3/15

Left Out: 99.894 $\pm$ 40.029 χ^2 /NDF: 2.3/2

Right Out: -74.442 $\pm$ 19.803 χ^2 /NDF: 22.3/18

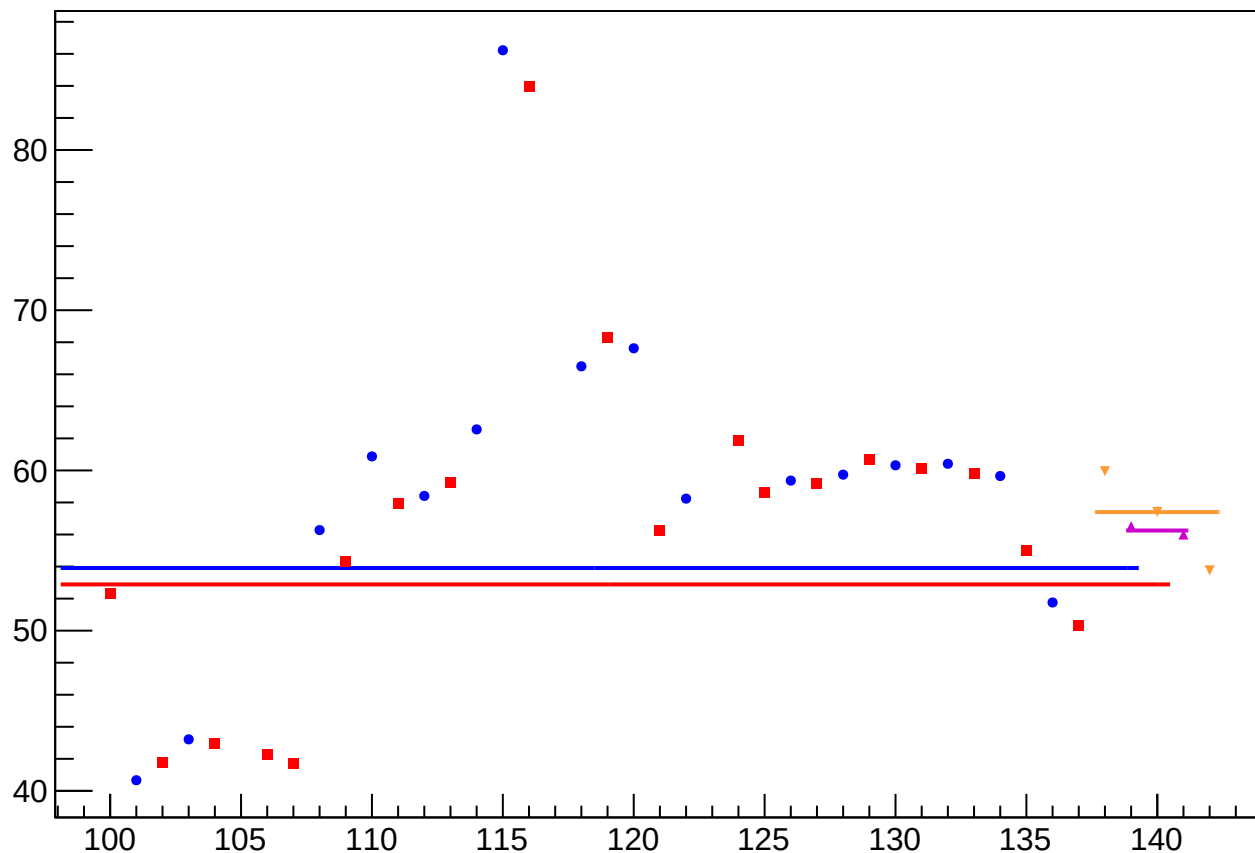
Left In: 30.251 $\pm$ 42.769 χ^2 /NDF: 0.8/1

+ sign 51.404 $\pm$ 18.185 χ^2 /NDF: 27.5/18

All: -2.915 $\pm$ 12.782 χ^2 /NDF: 73.2/39

- sign -55.959 $\pm$ 17.970 χ^2 /NDF: 28.1/20

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912 $\pm$ 0.014 χ^2 /NDF: 393260.8/15

Left Out: 57.400 $\pm$ 0.028 χ^2 /NDF: 6855.7/2

Right Out: 52.887 $\pm$ 0.014 χ^2 /NDF: 425534.3/18

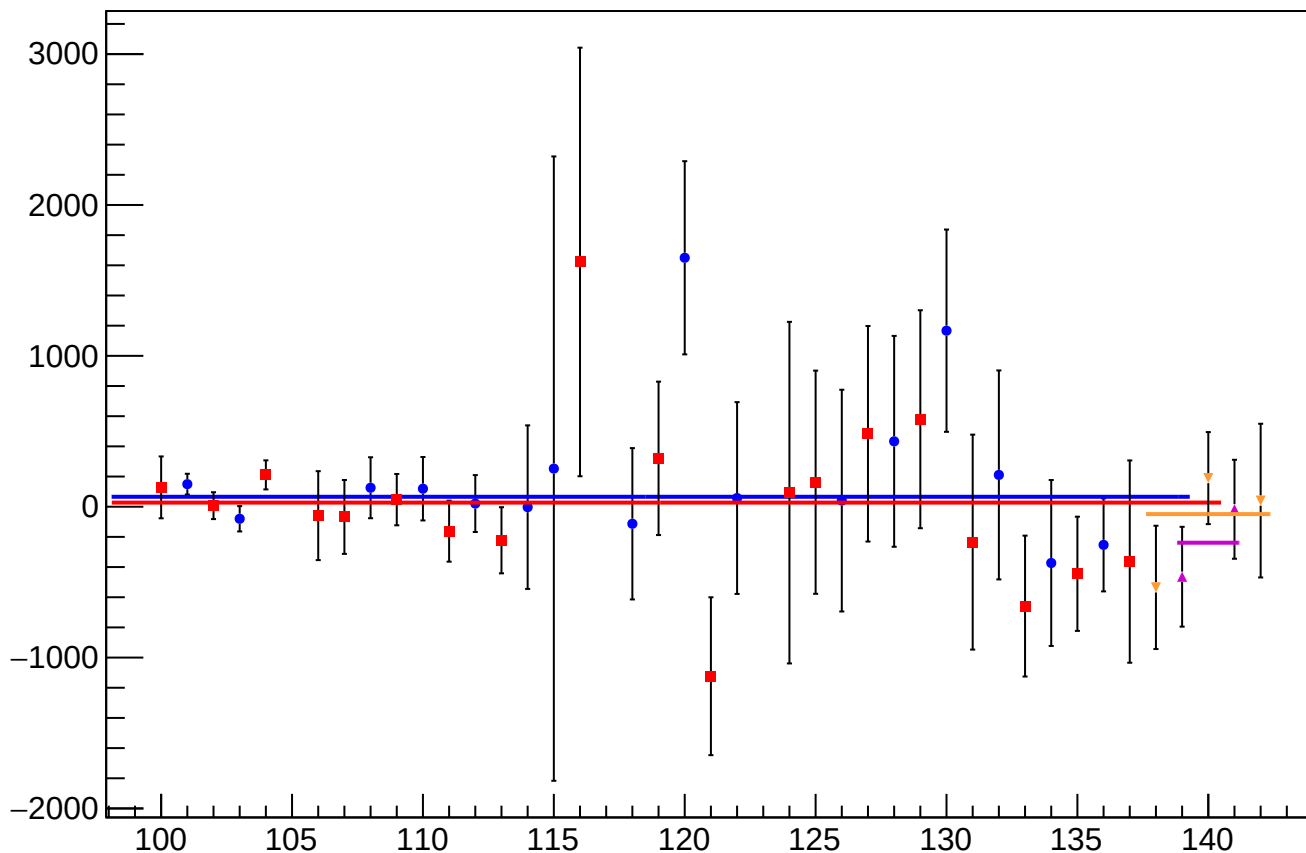
Left In: 56.250 $\pm$ 0.030 χ^2 /NDF: 72.6/1

+ sign 54.632 $\pm$ 0.013 χ^2 /NDF: 412168.7/18

All: 54.049 $\pm$ 0.009 χ^2 /NDF: 852020.2/39

- sign 53.481 $\pm$ 0.013 χ^2 /NDF: 435793.4/20

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: -48.997 $\pm$ 220.372 χ^2 /NDF: 2.1/2

Right Out: 27.406 $\pm$ 50.249 χ^2 /NDF: 18.0/18

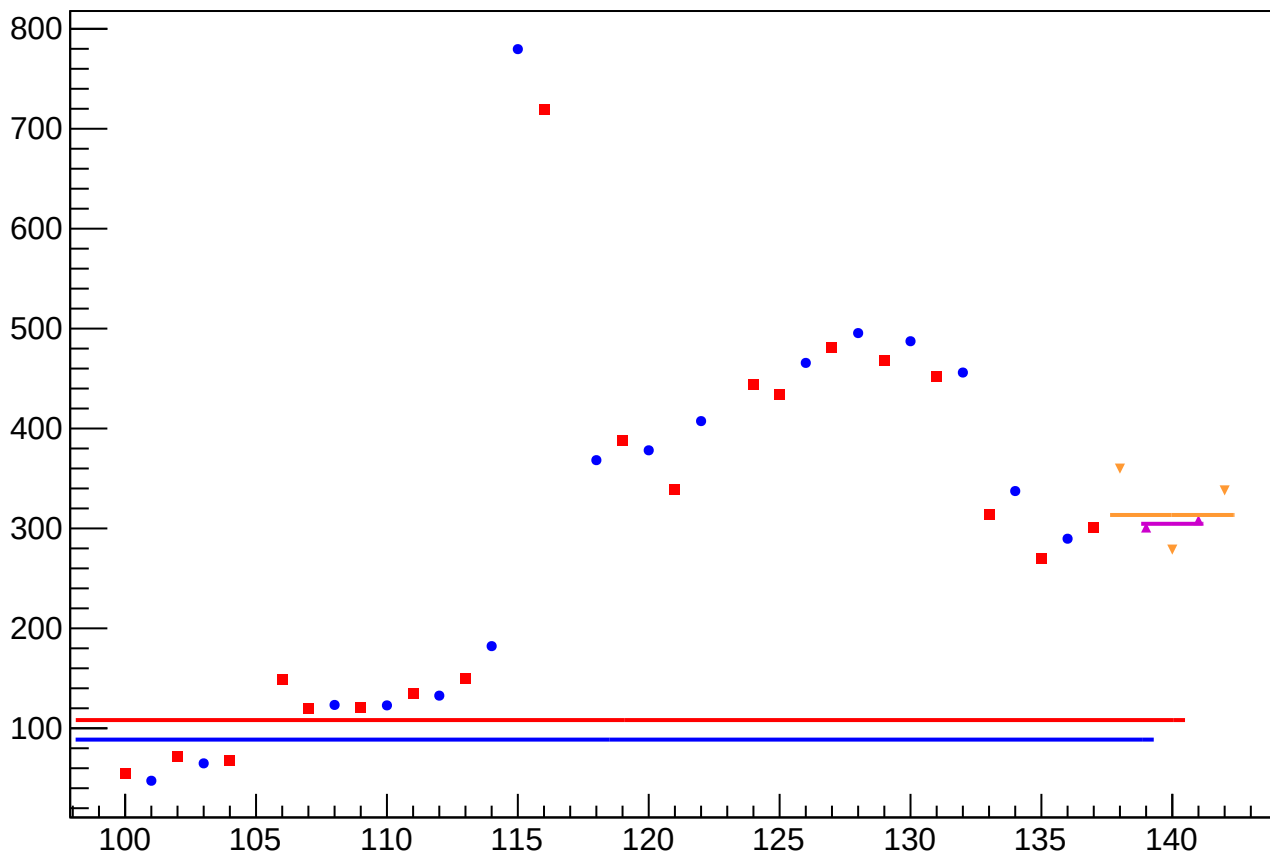
Left In: -238.644 $\pm$ 232.948 χ^2 /NDF: 0.9/1

+ sign 60.966 $\pm$ 45.477 χ^2 /NDF: 18.0/18

All: 40.016 $\pm$ 33.370 χ^2 /NDF: 38.7/39

- sign 15.577 $\pm$ 49.119 χ^2 /NDF: 20.2/20

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF : 6648135.5/15

Left Out: 313.467+/-0.156 χ^2/NDF : 56276.6/2

Right Out: 108.207+/-0.036 χ^2/NDF : 5354864.8/18

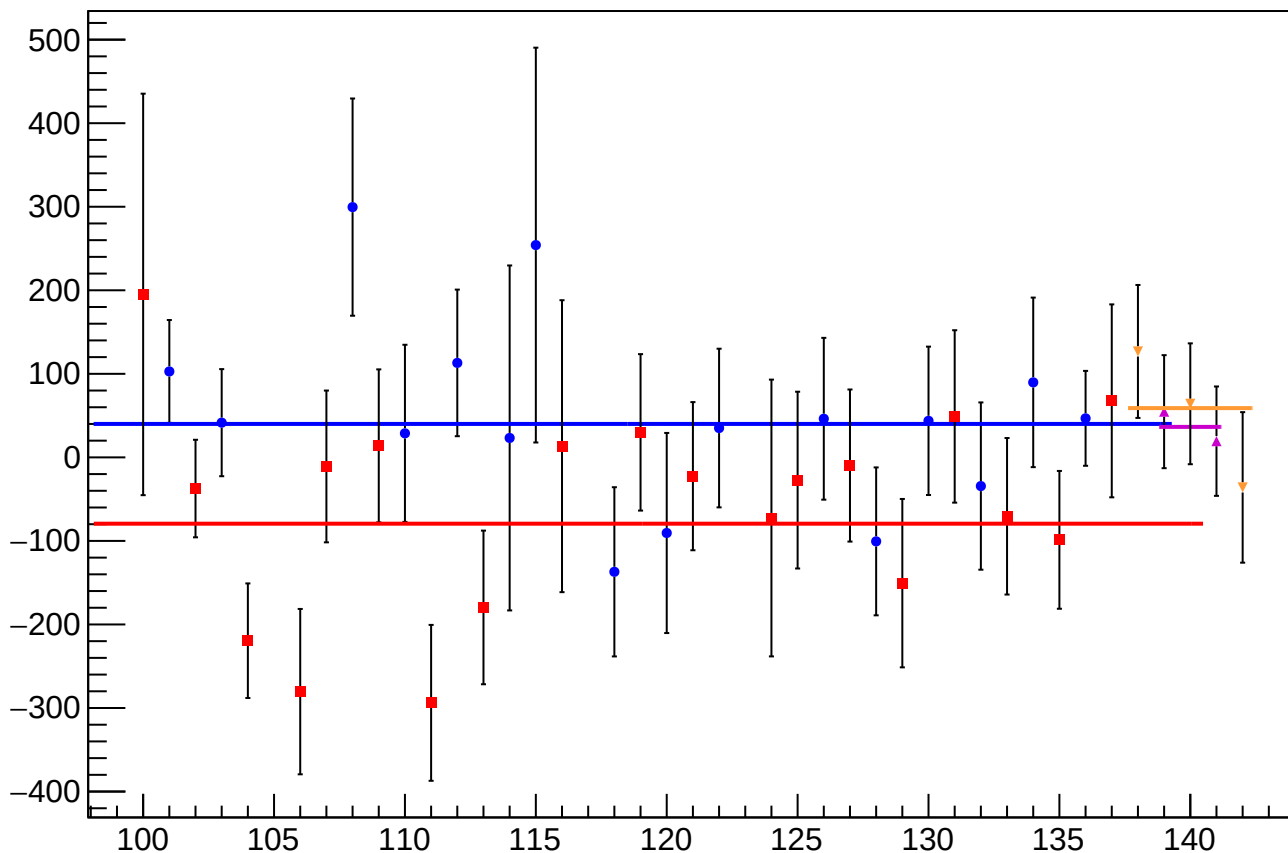
Left In: 304.636+/-0.165 χ^2/NDF : 498.4/1

+ sign 98.229+/-0.032 χ^2/NDF : 8697182.2/18

All: 106.865+/-0.024 χ^2/NDF : 15567659.8/39

- sign 116.940+/-0.035 χ^2/NDF : 6714214.1/20

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030 $\pm$ 22.515 χ^2 /NDF: 14.1/15

Left Out: 58.972 $\pm$ 46.014 χ^2 /NDF:1.8/2

Right Out: -79.378 $\pm$ 21.577 χ^2 /NDF: 24.8/18

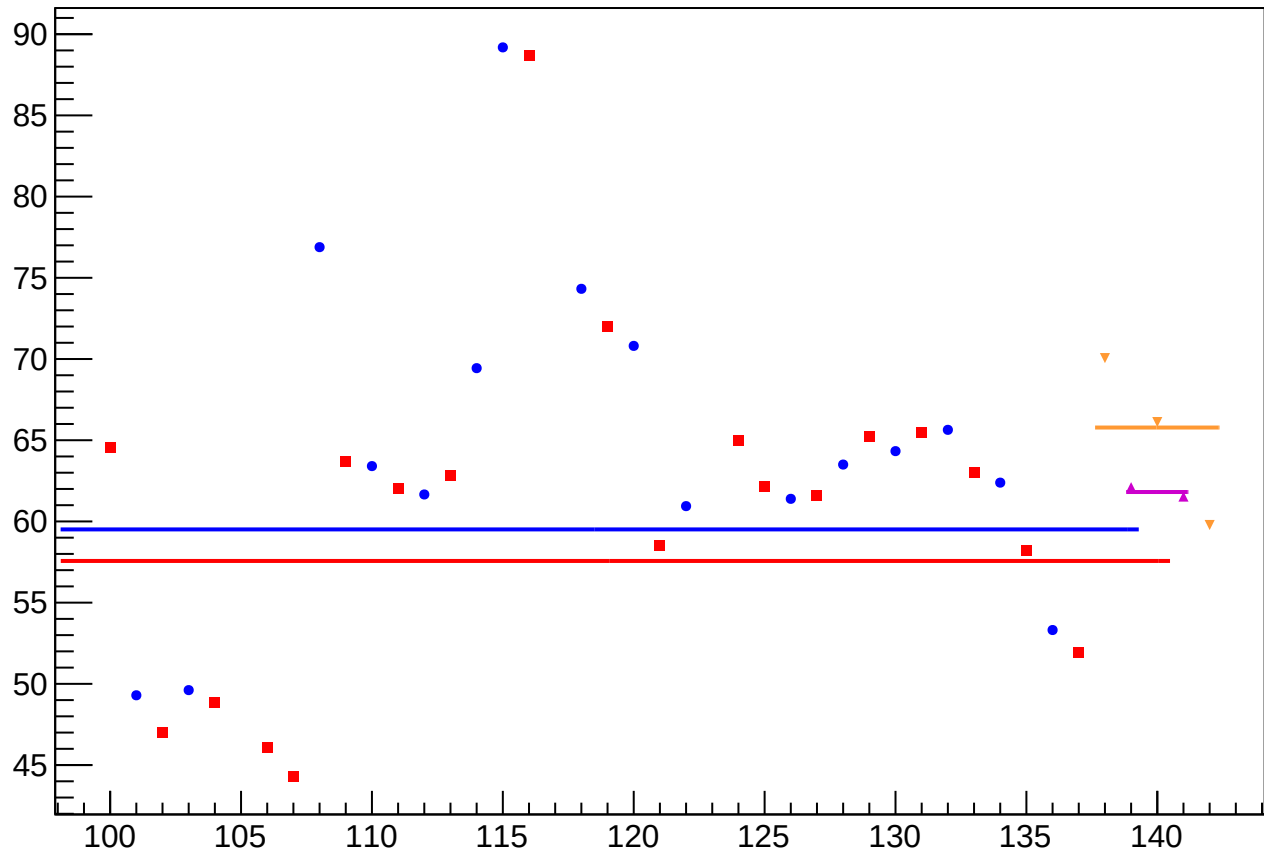
Left In: 36.479 $\pm$ 47.039 χ^2 /NDF:0.1/1

+ sign 43.689 $\pm$ 20.223 χ^2 /NDF: 16.1/18

All: -9.354 $\pm$ 14.079 χ^2 /NDF: 59.4/39

- sign -59.238 $\pm$ 19.612 χ^2 /NDF: 30.0/20

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2 /NDF: 283192.7/15

Left Out: 65.782+/-0.033 χ^2 /NDF:14693.1/2

Right Out: 57.567+/-0.015 χ^2 /NDF: 347377.8/18

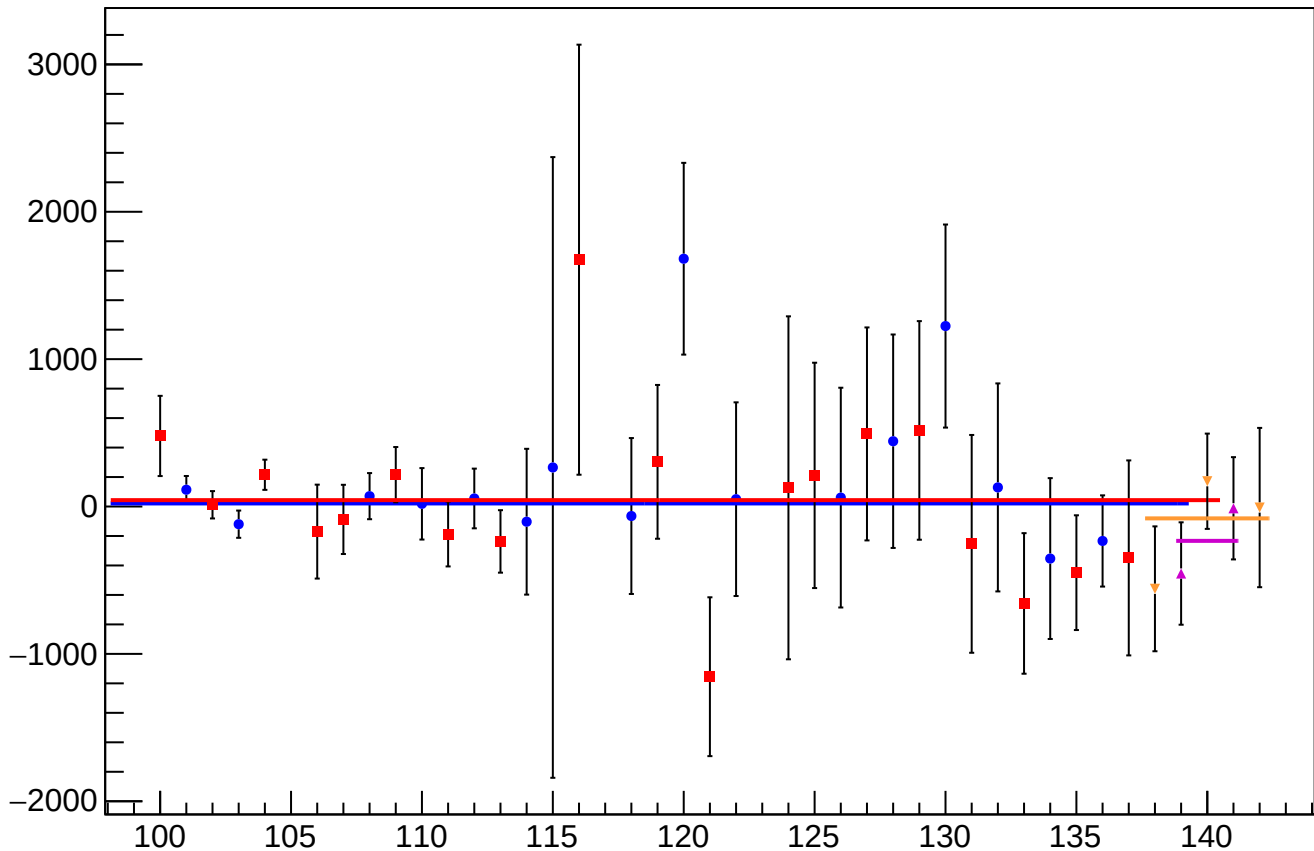
Left In: 61.812+/-0.033 χ^2 /NDF:75.7/1

+ sign 60.720+/-0.014 χ^2 /NDF: 327875.9/18

All: 59.476+/-0.010 χ^2 /NDF: 703491.4/39

- sign 58.305+/-0.014 χ^2 /NDF: 360908.5/20

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840 $\pm$ 53.585 χ^2 /NDF: 14.6/15

Left Out: -80.532 $\pm$ 232.110 χ^2 /NDF:1.9/2

Right Out: 43.262 $\pm$ 53.210 χ^2 /NDF: 21.5/18

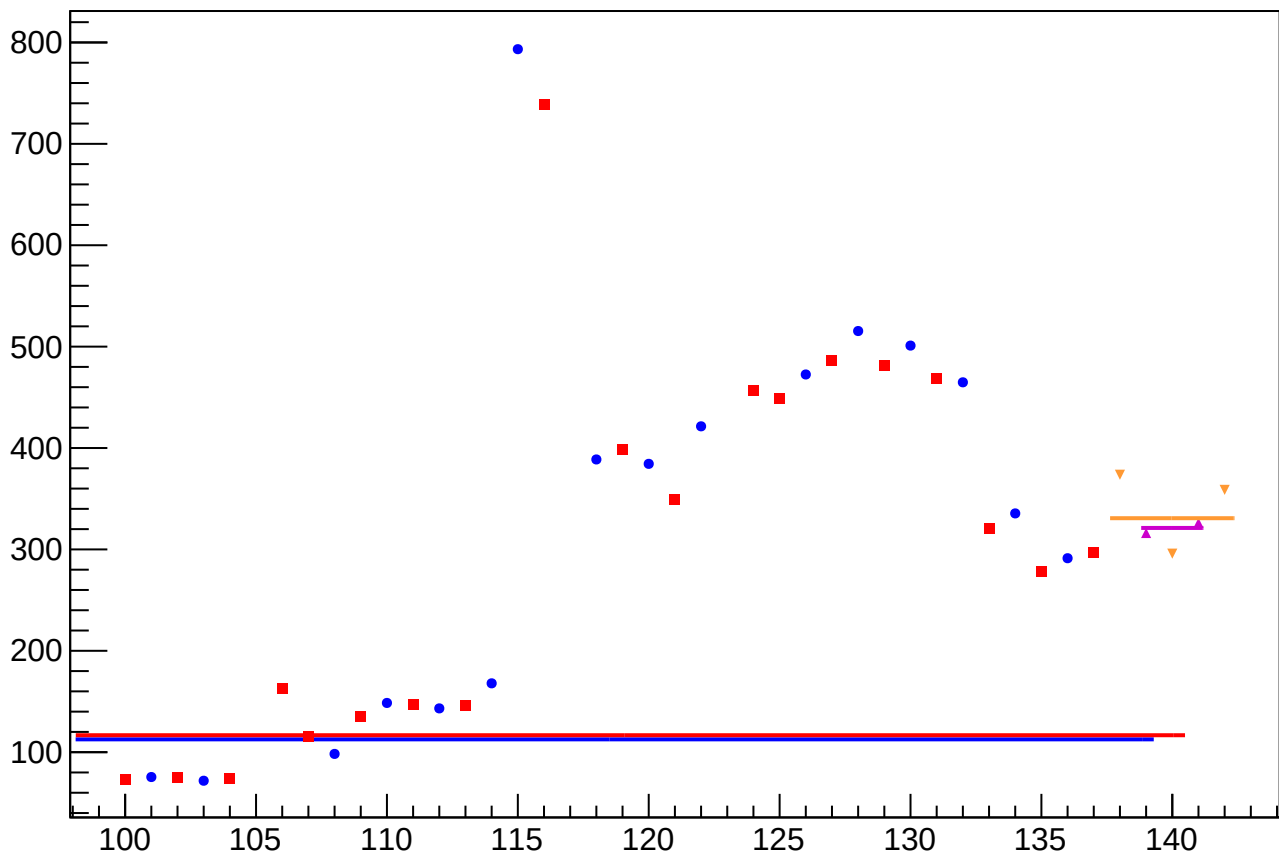
Left In: -233.051 $\pm$ 245.503 χ^2 /NDF:0.8/1

+ sign 15.711 $\pm$ 52.212 χ^2 /NDF: 16.7/18

All: 23.318 $\pm$ 36.845 χ^2 /NDF: 40.3/39

- sign 30.864 $\pm$ 52.003 χ^2 /NDF: 23.5/20

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668 ± 0.038 $\chi^2/\text{NDF}: 5599655.1/15$

Left Out: 330.780 ± 0.164 $\chi^2/\text{NDF}: 49218.4/2$

Right Out: 116.733 ± 0.038 $\chi^2/\text{NDF}: 5141387.7/18$

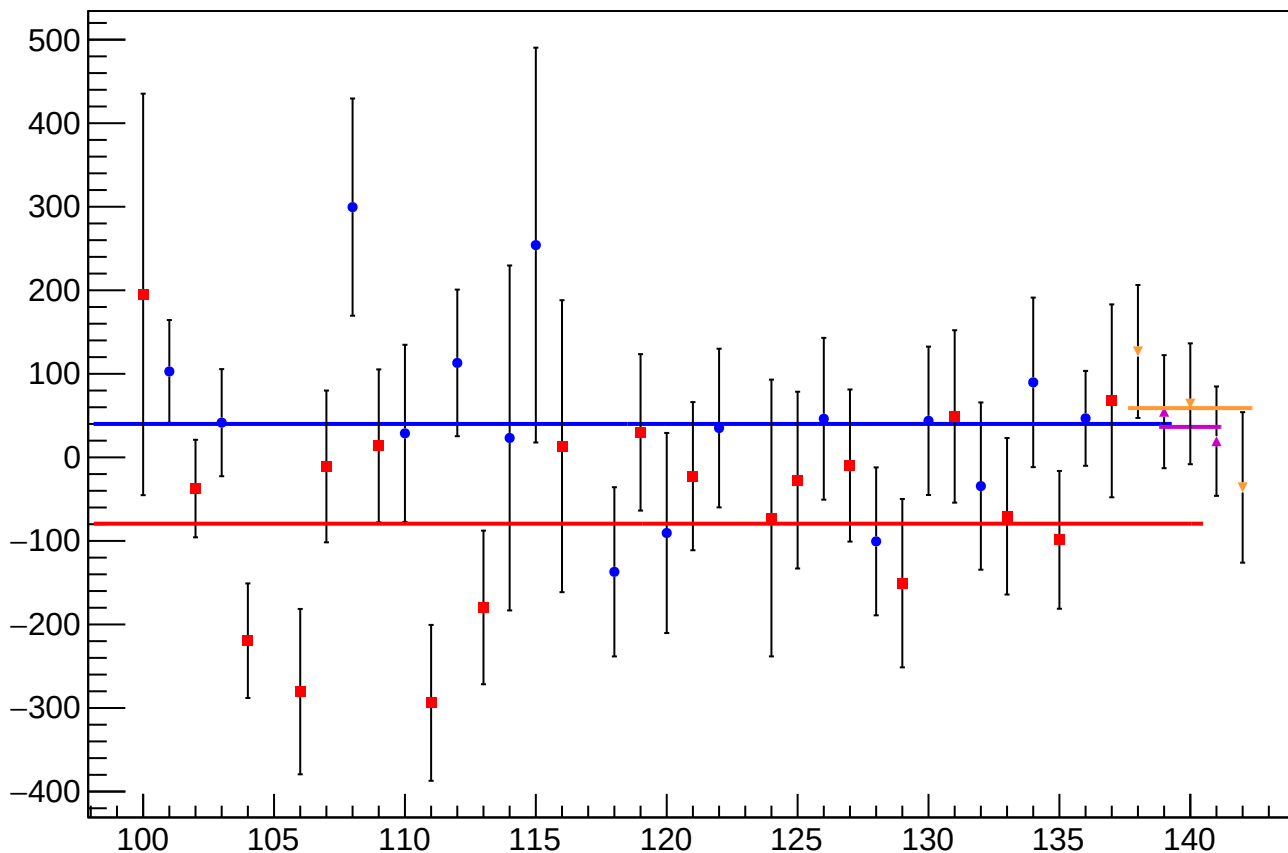
Left In: 321.172 ± 0.174 $\chi^2/\text{NDF}: 821.7/1$

+ sign 123.705 ± 0.037 $\chi^2/\text{NDF}: 7325554.8/18$

All: 124.809 ± 0.026 $\chi^2/\text{NDF}: 13794225.8/39$

- sign 125.906 ± 0.037 $\chi^2/\text{NDF}: 6466886.9/20$

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030 ± 22.515 χ^2/NDF : 14.1/15

Left Out: 58.971 ± 46.014 χ^2/NDF : 1.8/2

Right Out: -79.378 ± 21.577 χ^2/NDF : 24.8/18

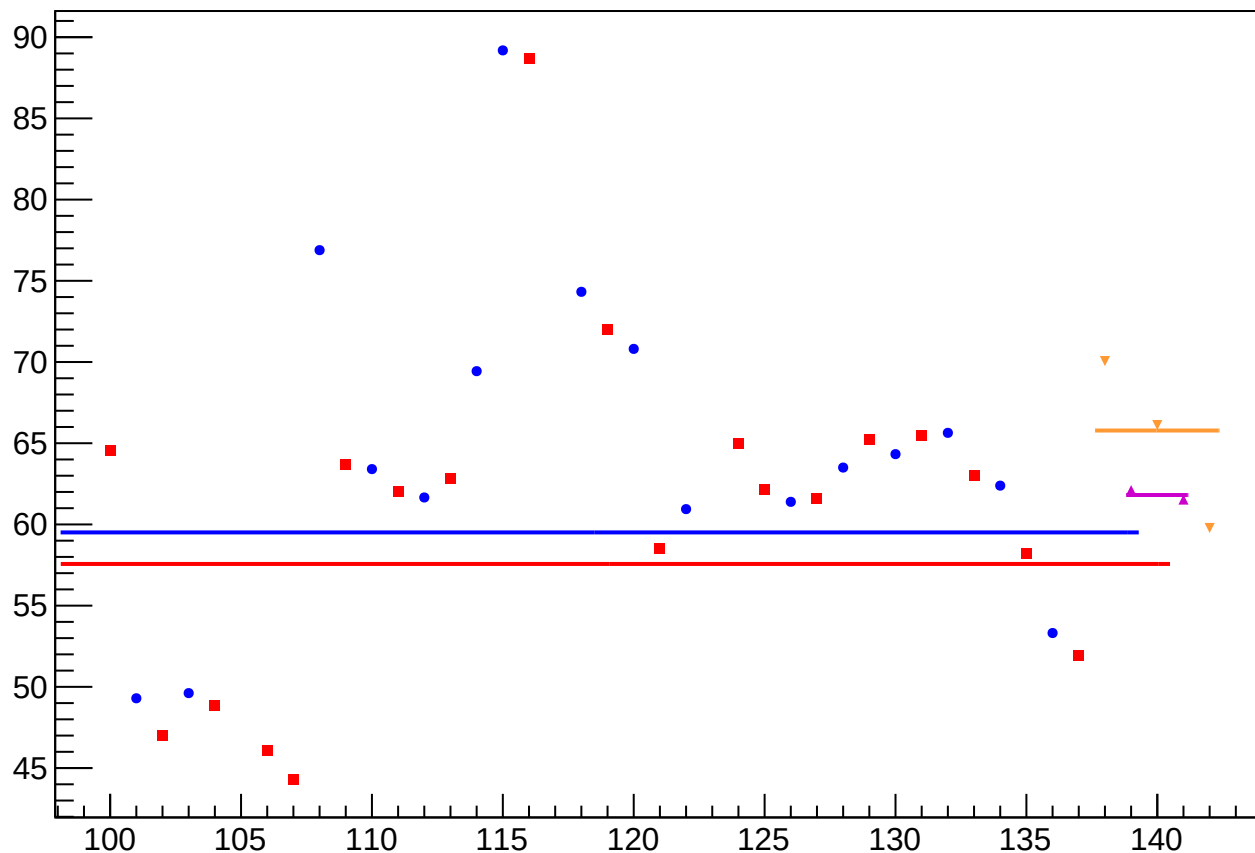
Left In: 36.478 ± 47.039 χ^2/NDF : 0.1/1

+ sign 43.689 ± 20.223 χ^2/NDF : 16.1/18

All: -9.354 ± 14.079 χ^2/NDF : 59.4/39

- sign -59.238 ± 19.612 χ^2/NDF : 30.0/20

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF : 283190.4/15

Left Out: 65.782+/-0.033 χ^2/NDF :14693.2/2

Right Out: 57.567+/-0.015 χ^2/NDF : 347374.2/18

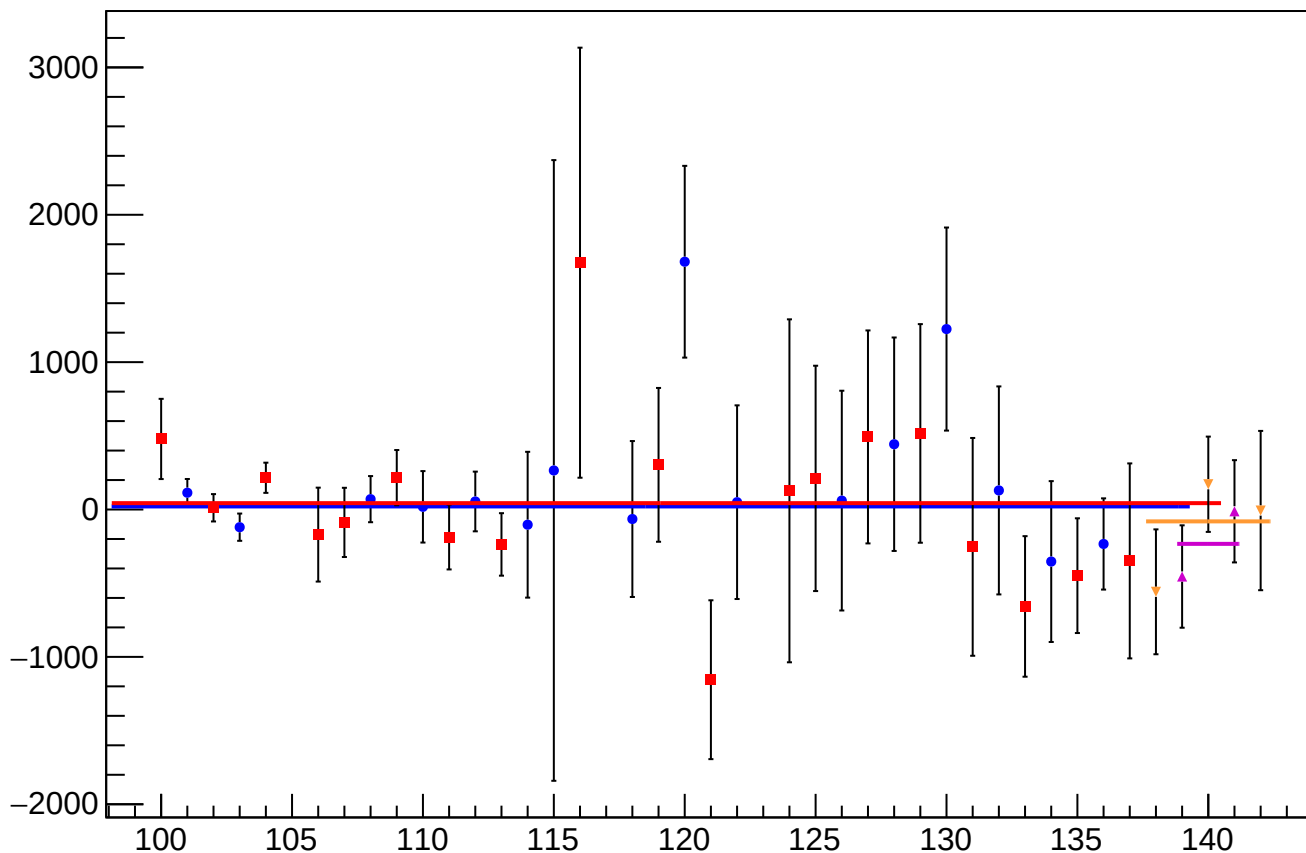
Left In: 61.812+/-0.033 χ^2/NDF :75.7/1

+ sign 60.720+/-0.014 χ^2/NDF : 327878.7/18

All: 59.476+/-0.010 χ^2/NDF : 703493.8/39

- sign 58.305+/-0.014 χ^2/NDF : 360908.2/20

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: -80.532 $\pm$ 232.111 χ^2 /NDF:1.9/2

Right Out: 43.262 $\pm$ 53.210 χ^2 /NDF: 21.5/18

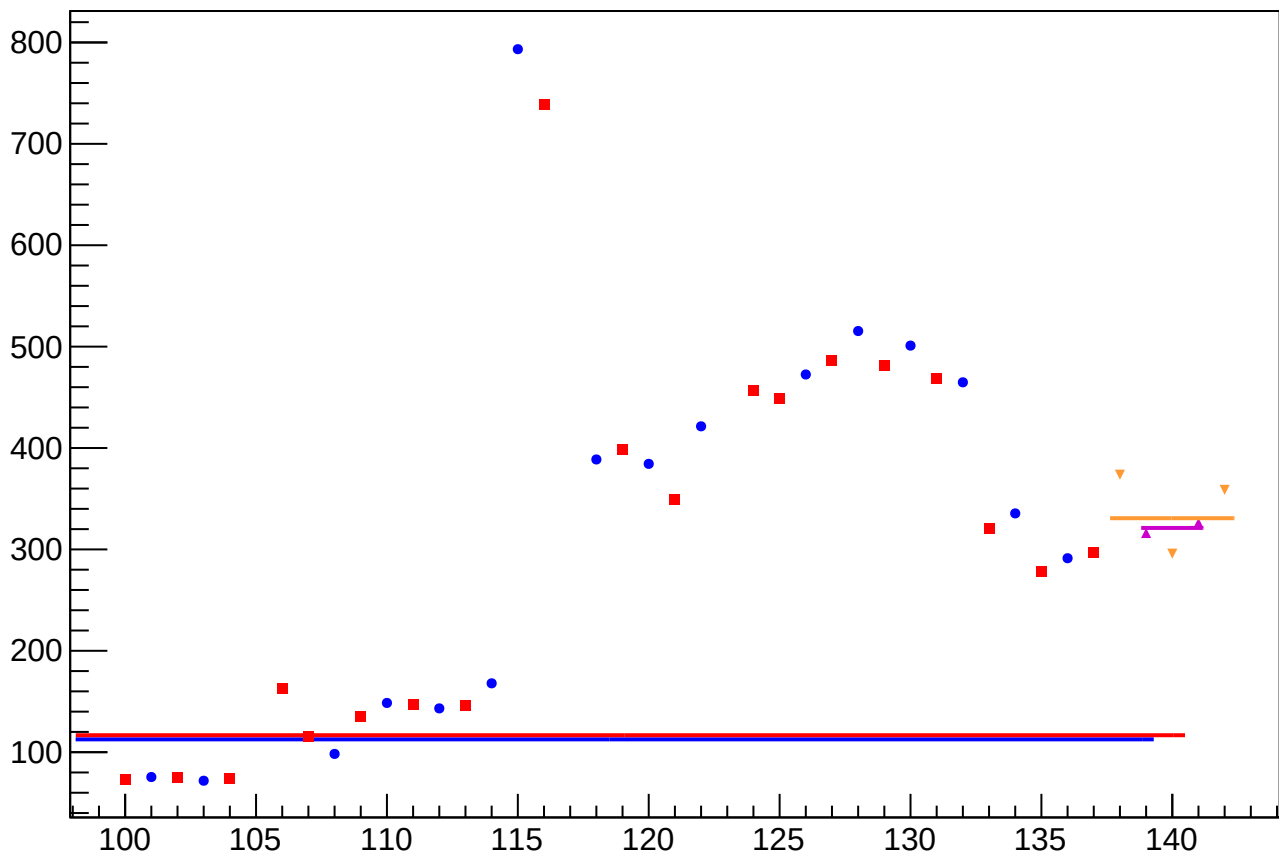
Left In: -233.052 $\pm$ 245.504 χ^2 /NDF:0.8/1

+ sign 15.710 $\pm$ 52.212 χ^2 /NDF: 16.7/18

All: 23.318 $\pm$ 36.845 χ^2 /NDF: 40.3/39

- sign 30.864 $\pm$ 52.003 χ^2 /NDF: 23.5/20

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF : 5599653.6/15

Left Out: 330.781+/-0.164 χ^2/NDF : 49218.4/2

Right Out: 116.732+/-0.038 χ^2/NDF : 5141390.3/18

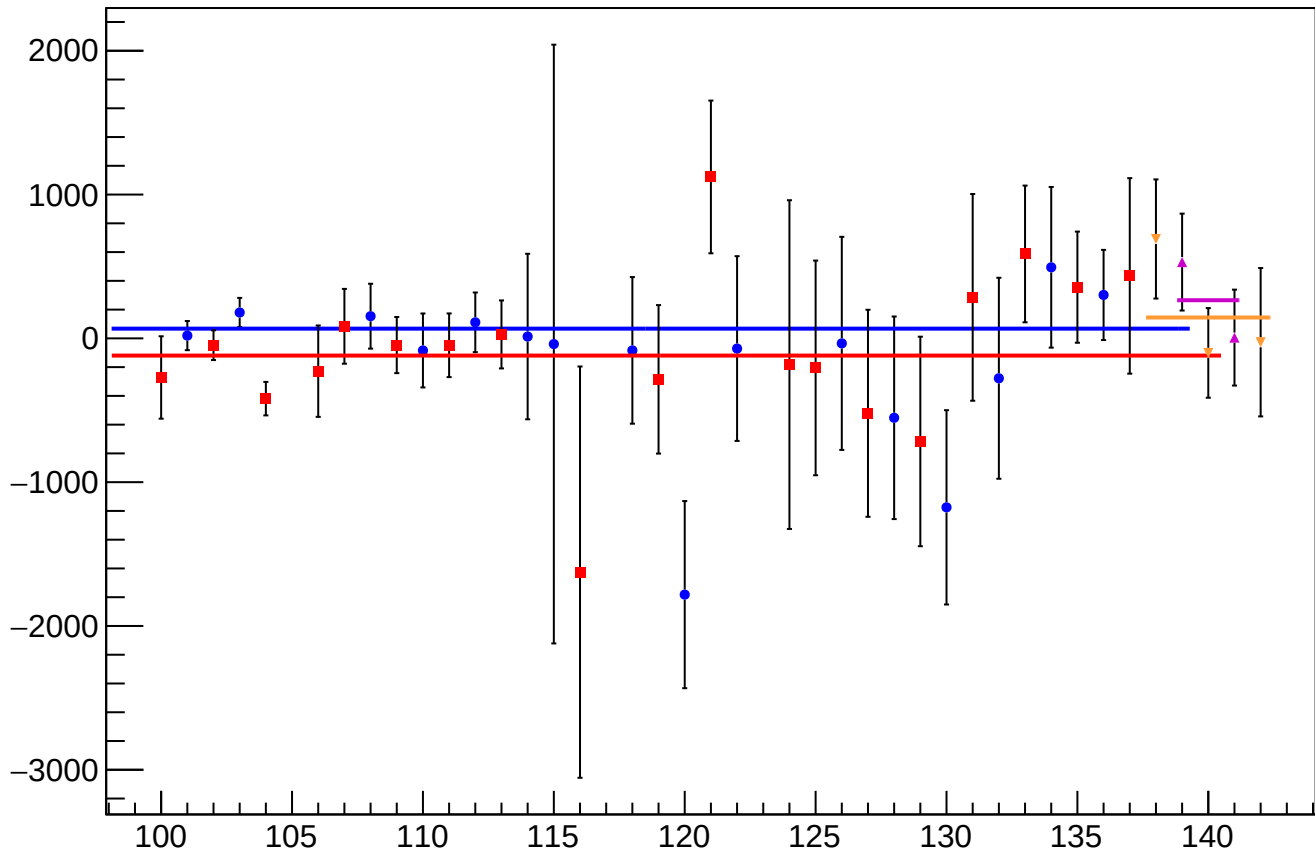
Left In: 321.174+/-0.174 χ^2/NDF : 821.8/1

+ sign 123.704+/-0.037 χ^2/NDF : 7325566.5/18

All: 124.809+/-0.026 χ^2/NDF : 13794251.0/39

- sign 125.905+/-0.037 χ^2/NDF : 6466900.6/20

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF : 15.8/15

Left Out: 145.123+/-224.287 χ^2/NDF : 2.5/2

Right Out: -119.635+/-57.941 χ^2/NDF : 21.1/18

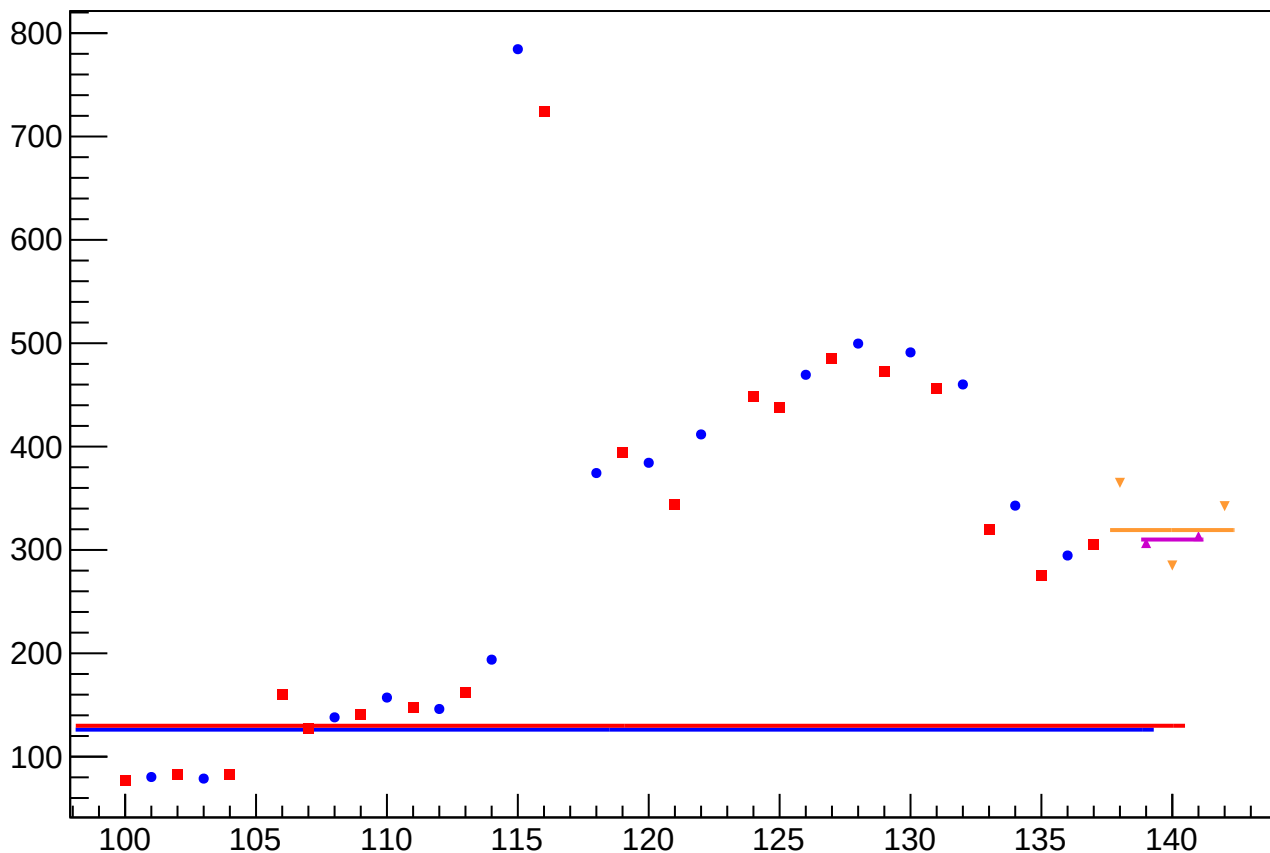
Left In: 265.202+/-237.009 χ^2/NDF : 1.2/1

+ sign 72.664+/-57.212 χ^2/NDF : 18.4/18

All: -14.029+/-40.123 χ^2/NDF : 47.7/39

- sign -97.932+/-56.284 χ^2/NDF : 24.8/20

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF : 5220128.2/15

Left Out: 319.241+/-0.159 χ^2/NDF : 52520.8/2

Right Out: 129.914+/-0.041 χ^2/NDF : 4647677.8/18

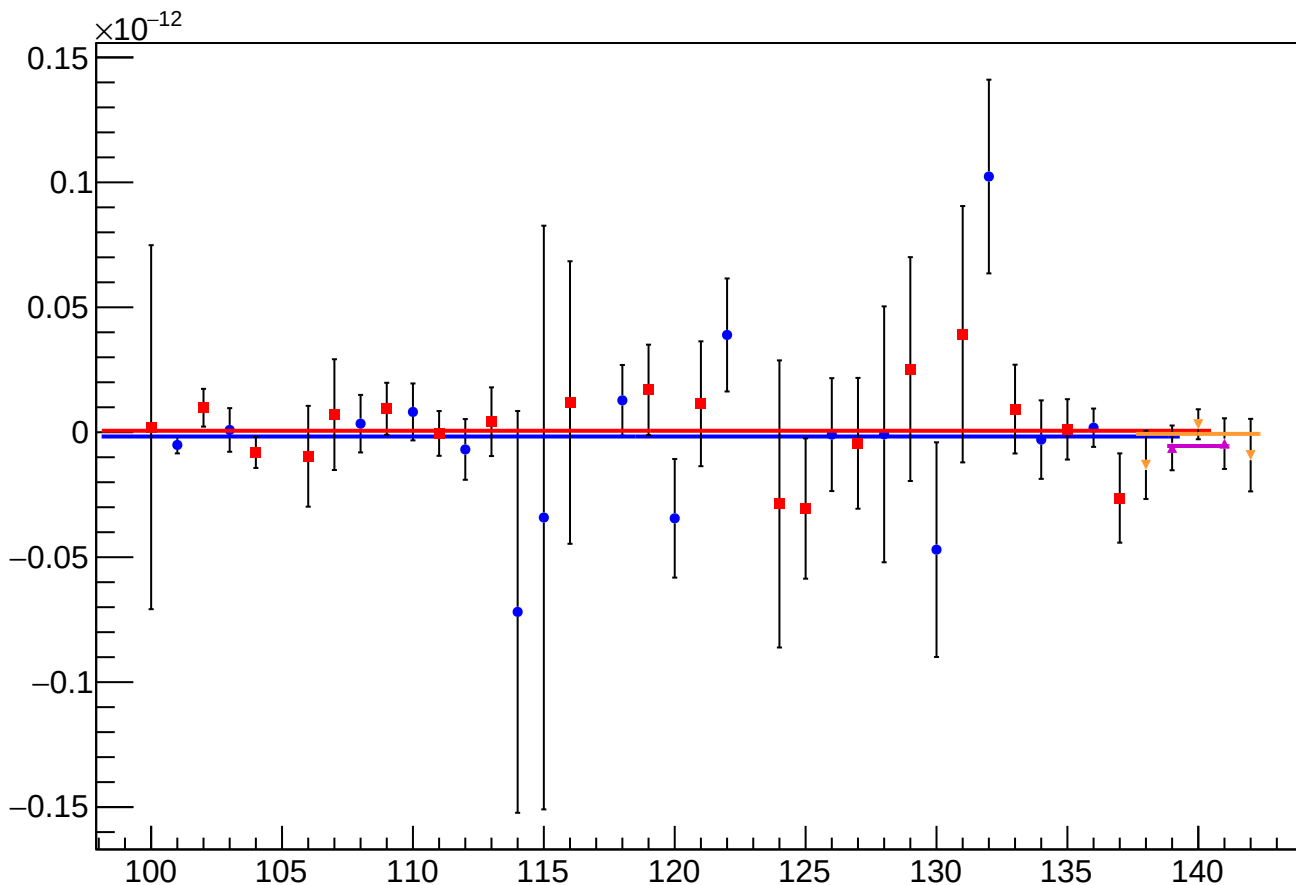
Left In: 310.070+/-0.168 χ^2/NDF : 396.7/1

+ sign 138.717+/-0.040 χ^2/NDF : 6658469.7/18

All: 139.407+/-0.028 χ^2/NDF : 12397511.6/39

- sign 140.074+/-0.040 χ^2/NDF : 5738470.2/20

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2 /NDF: 1.6/2

Right Out: 0.000+/-0.000 χ^2 /NDF: 10.5/18

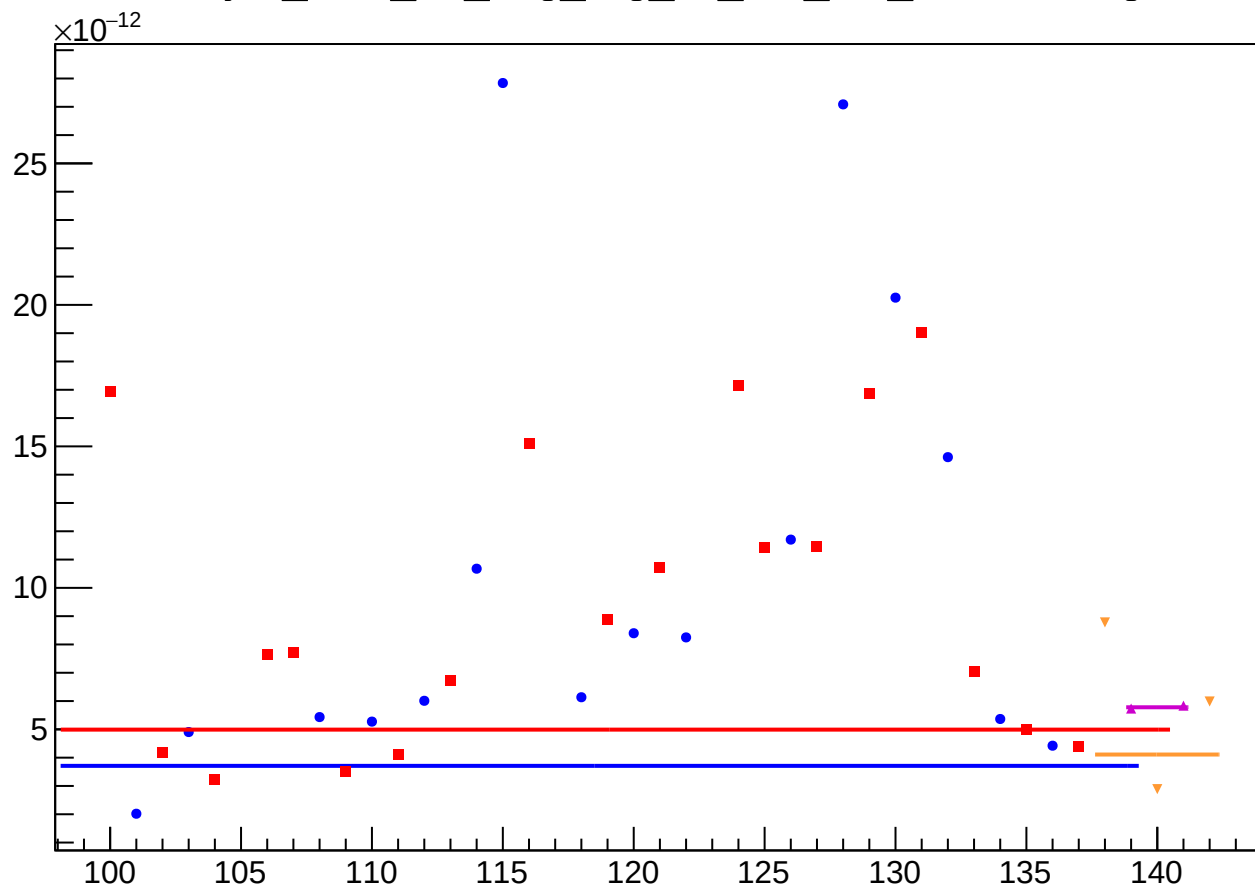
Left In: -0.000+/-0.000 χ^2 /NDF: 0.0/1

+ sign -0.000+/-0.000 χ^2 /NDF: 19.4/18

All: -0.000+/-0.000 χ^2 /NDF: 30.7/39

- sign -0.000+/-0.000 χ^2 /NDF: 11.2/20

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 :350390.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1295374.6/18

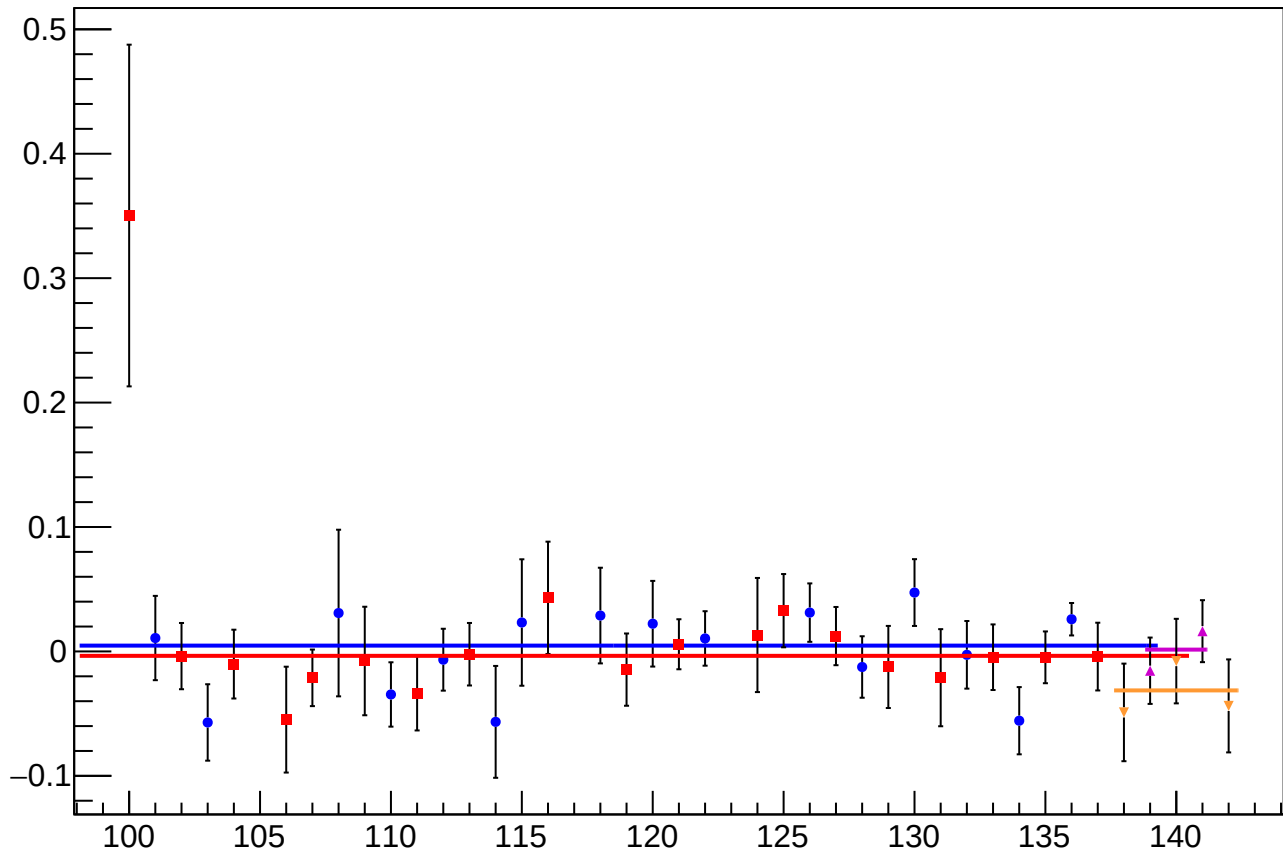
Left In: 0.000+/-0.000 χ^2/NDF :114.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 2532615.7/18

All: 0.000+/-0.000 χ^2/NDF : 4119827.0/39

- sign 0.000+/-0.000 χ^2/NDF : 1318033.7/20

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: -0.031 ± 0.021 χ^2/NDF : 0.8/2

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

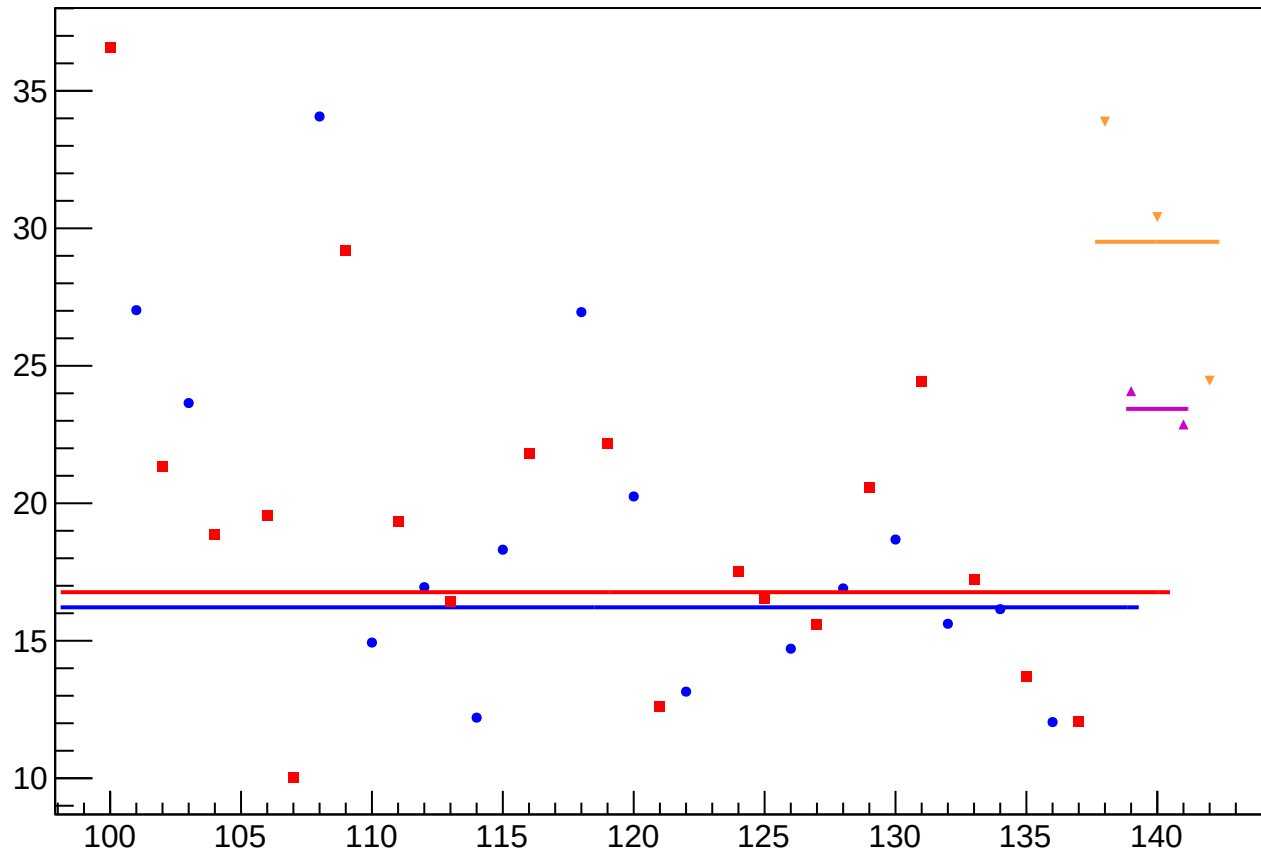
Left In: 0.001 ± 0.018 χ^2/NDF : 0.8/1

+ sign 0.002 ± 0.006 χ^2/NDF : 24.9/18

All: -0.001 ± 0.004 χ^2/NDF : 39.6/39

- sign -0.003 ± 0.006 χ^2/NDF : 14.4/20

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: 29.510 $\pm$ 0.015 χ^2 /NDF: 62770.0/2

Right Out: 16.766 $\pm$ 0.005 χ^2 /NDF: 866715.7/18

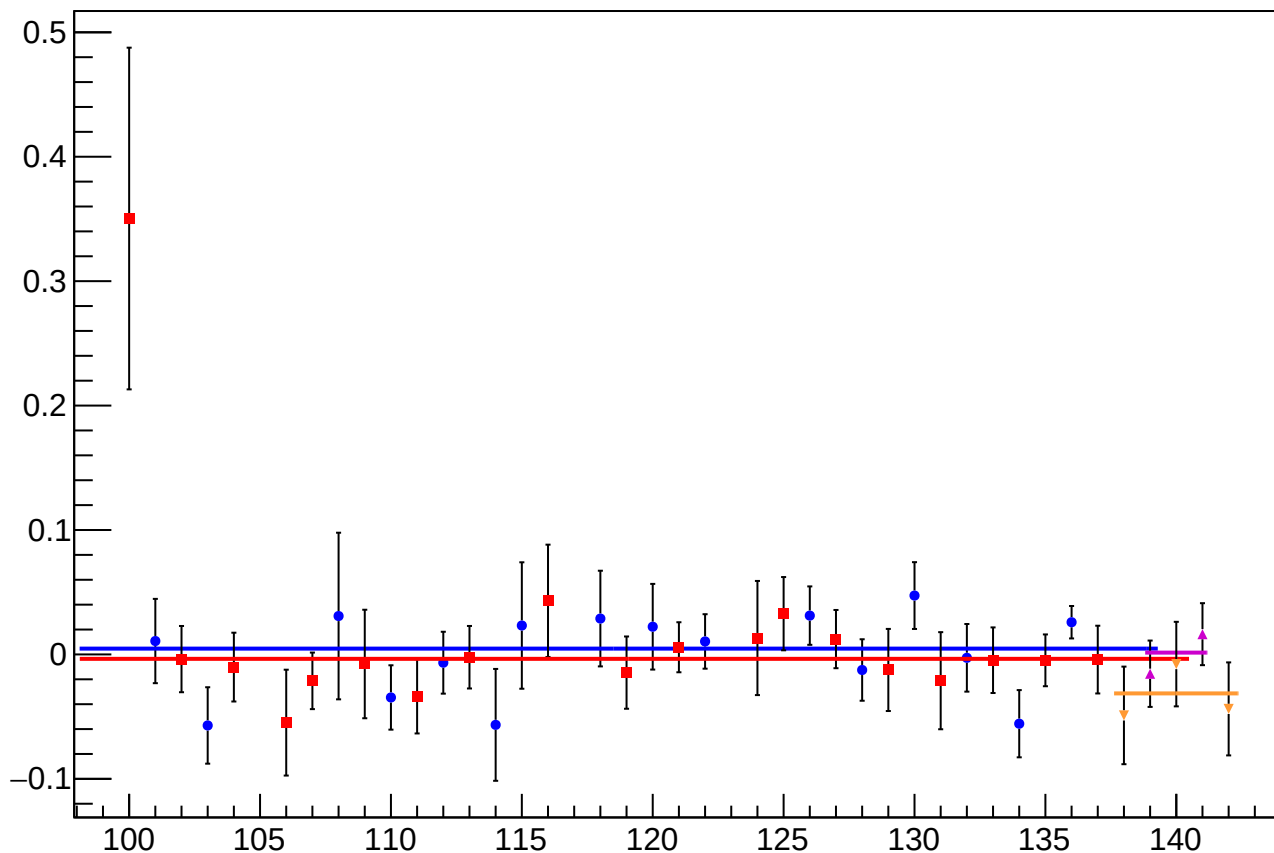
Left In: 23.433 $\pm$ 0.013 χ^2 /NDF: 2199.4/1

+ sign 17.383 $\pm$ 0.004 χ^2 /NDF: 1726445.9/18

All: 17.465 $\pm$ 0.003 χ^2 /NDF: 2832958.7/39

- sign 17.546 $\pm$ 0.004 χ^2 /NDF: 1105832.4/20

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005 ± 0.007 $\chi^2/\text{NDF}: 21.5/15$

Left Out: -0.031 ± 0.021 $\chi^2/\text{NDF}: 0.8/2$

Right Out: -0.004 ± 0.007 $\chi^2/\text{NDF}: 13.6/18$

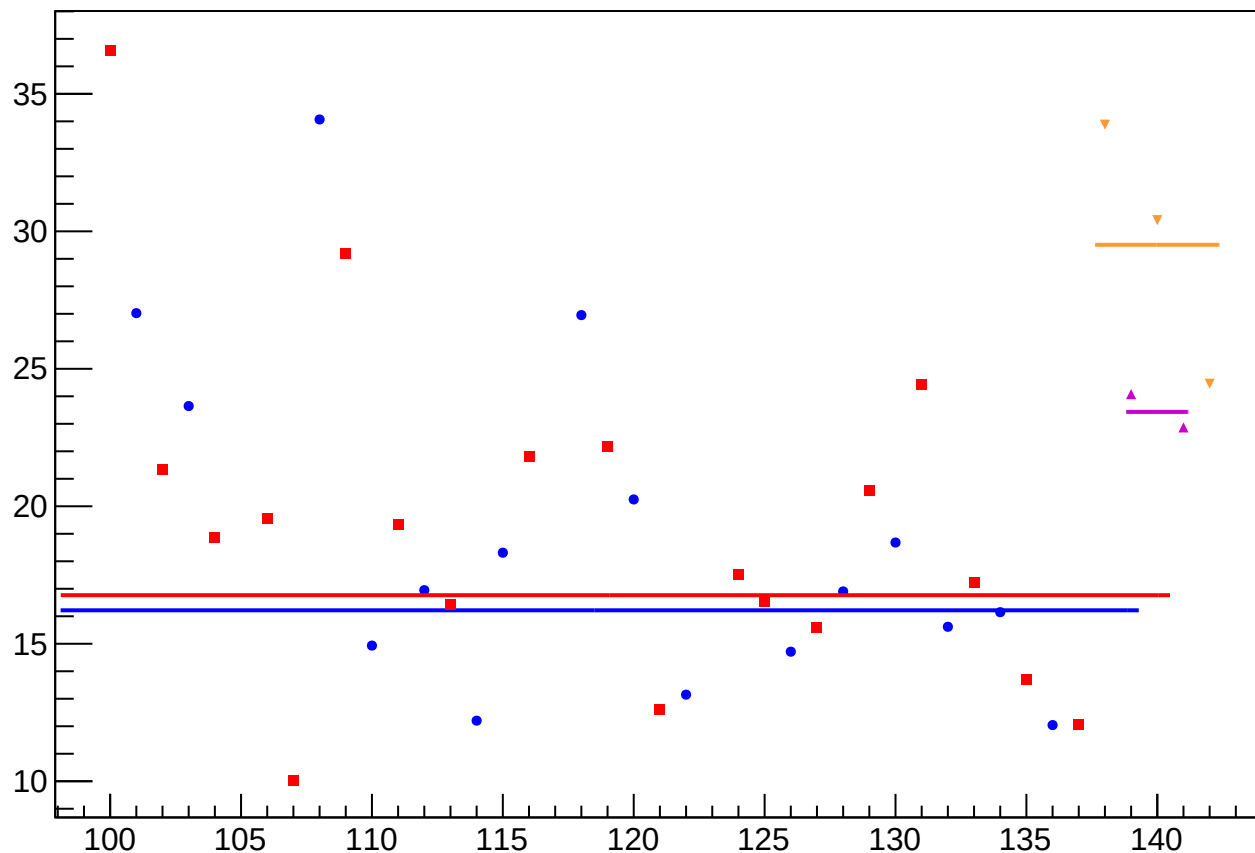
Left In: 0.001 ± 0.018 $\chi^2/\text{NDF}: 0.8/1$

+ sign 0.002 ± 0.006 $\chi^2/\text{NDF}: 24.9/18$

All: -0.001 ± 0.004 $\chi^2/\text{NDF}: 39.6/39$

- sign -0.003 ± 0.006 $\chi^2/\text{NDF}: 14.4/20$

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: 29.510 $\pm$ 0.015 χ^2/NDF : 62770.0/2

Right Out: 16.766 $\pm$ 0.005 χ^2/NDF : 866715.7/18

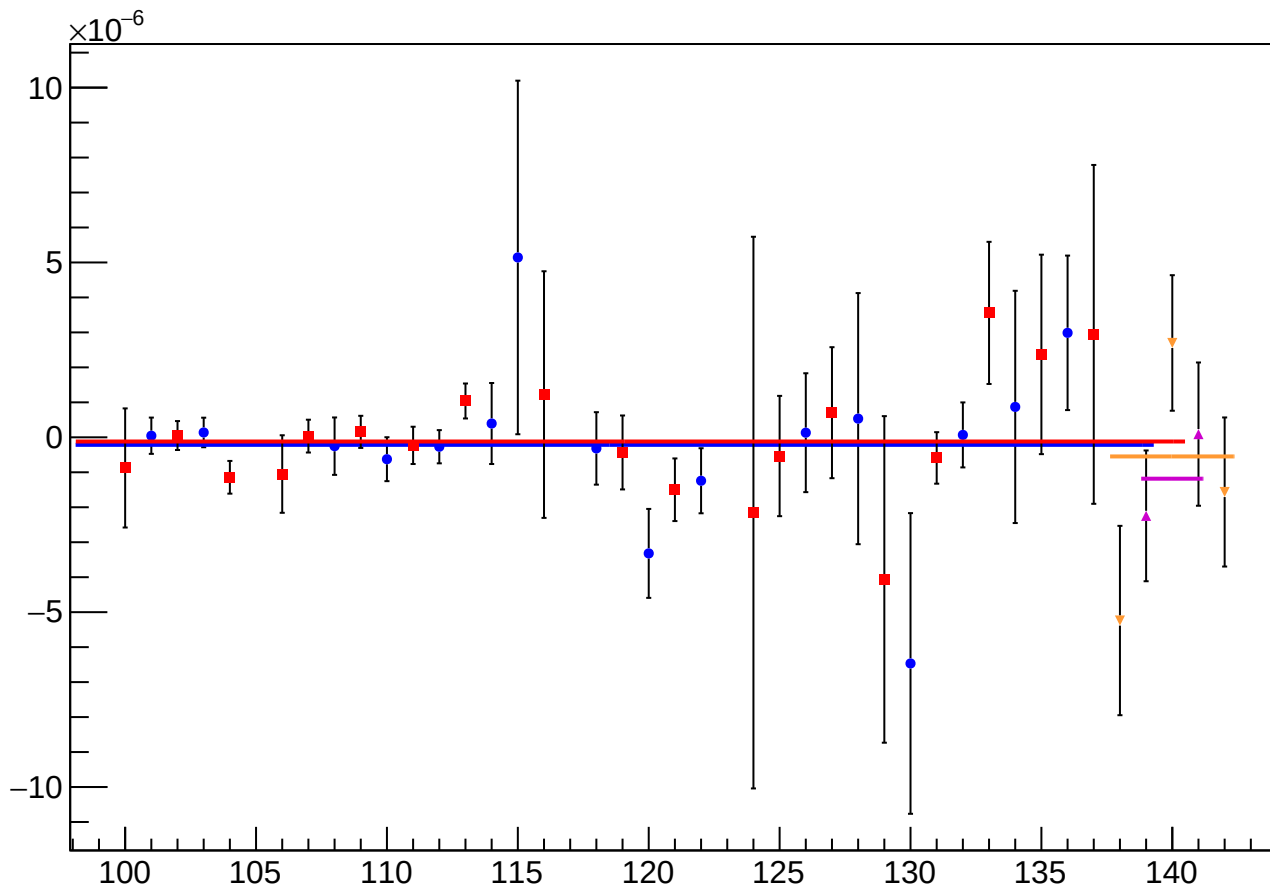
Left In: 23.433 $\pm$ 0.013 χ^2/NDF : 2199.4/1

+ sign 17.383 $\pm$ 0.004 χ^2/NDF : 1726445.9/18

All: 17.465 $\pm$ 0.003 χ^2/NDF : 2832958.7/39

- sign 17.546 $\pm$ 0.004 χ^2/NDF : 1105832.4/20

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 : 6.0/2

Right Out: -0.000+/-0.000 χ^2/NDF : 20.2/18

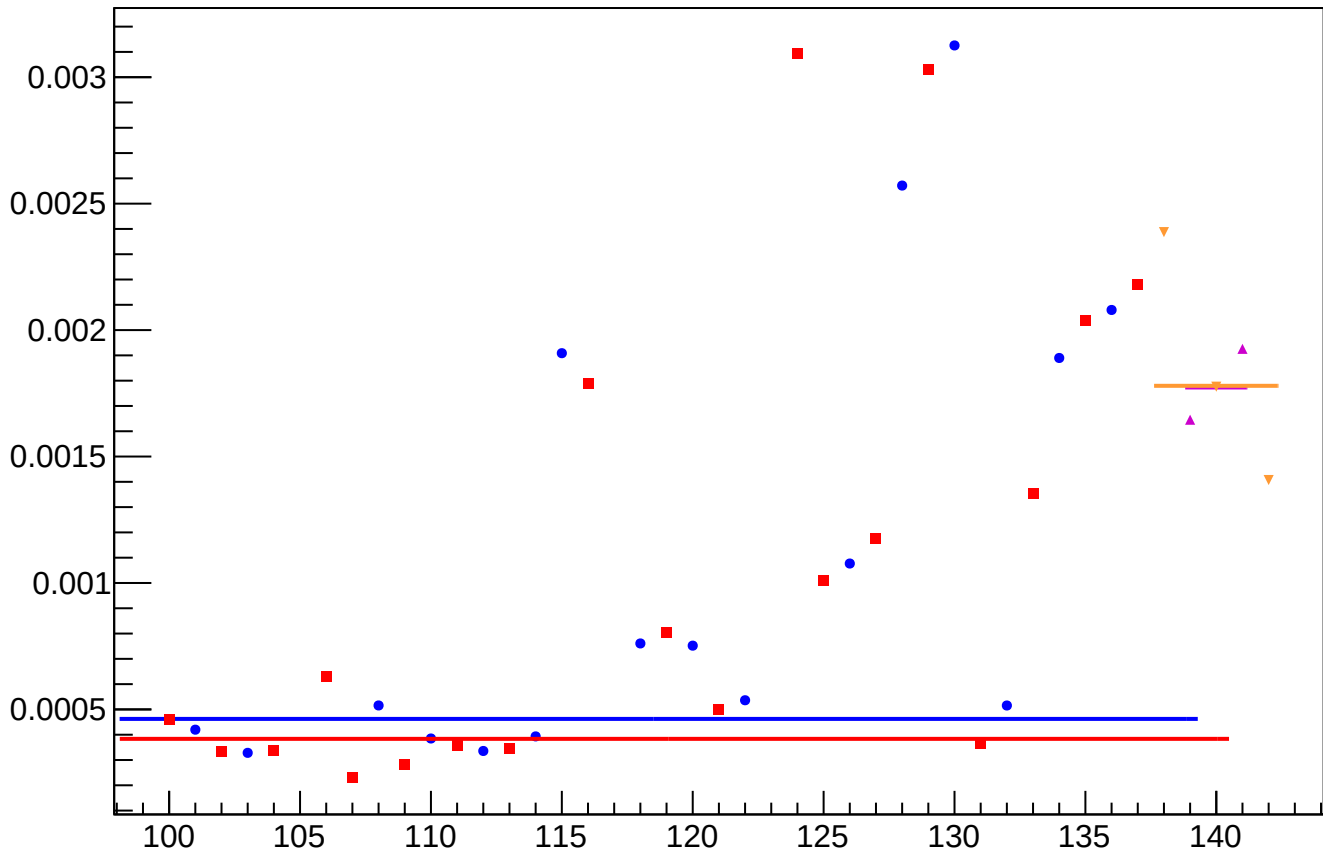
Left In: -0.000+/-0.000 χ^2/NDF : 0.7/1

+ sign -0.000+/-0.000 χ^2/NDF : 20.6/18

All: -0.000+/-0.000 χ^2/NDF : 42.2/39

- sign -0.000+/-0.000 χ^2/NDF : 21.5/20

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4015939.2/15

Left Out: 0.002+/-0.000 χ^2/NDF :161893.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 4058129.5/18

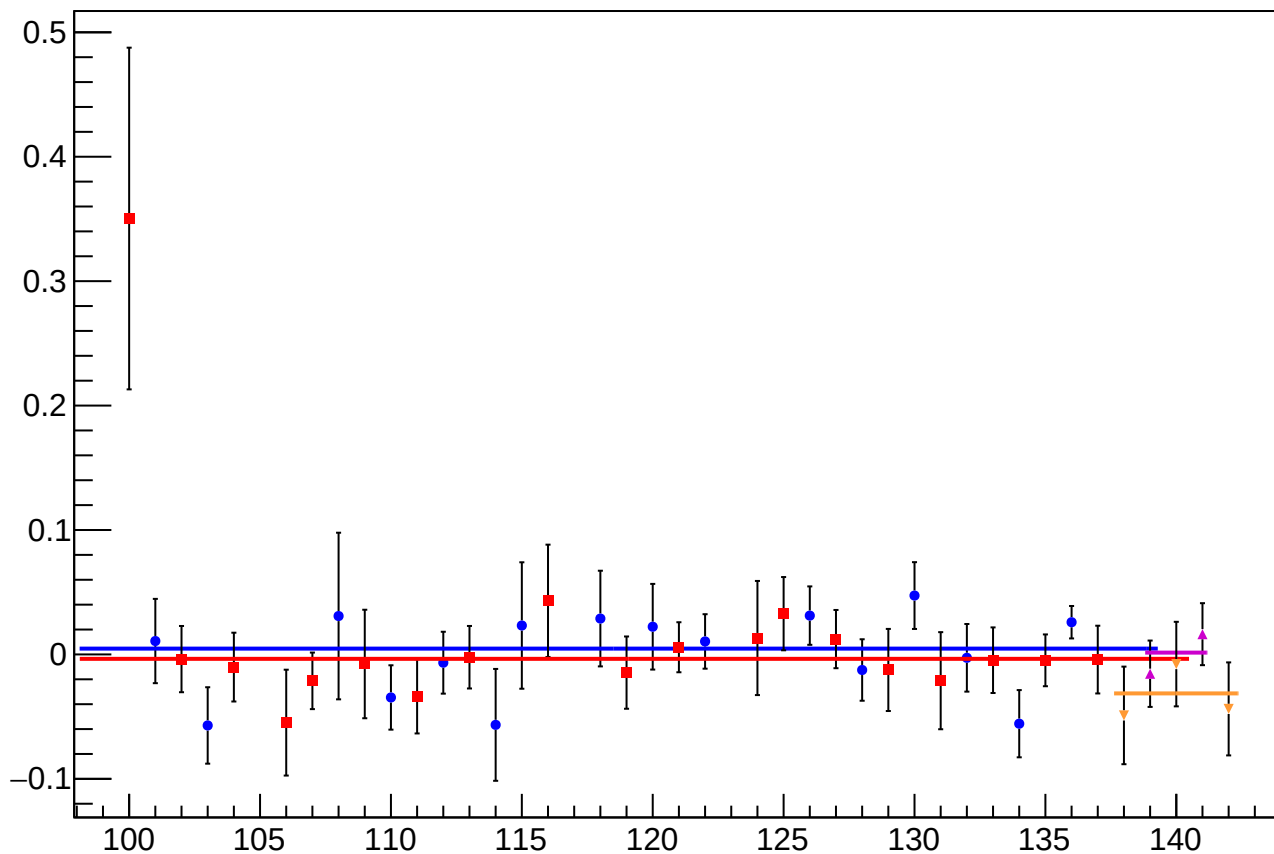
Left In: 0.002+/-0.000 χ^2/NDF :20430.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 6282178.7/18

All: 0.000+/-0.000 χ^2/NDF : 12590841.7/39

- sign 0.000+/-0.000 χ^2/NDF : 6071735.4/20

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: -0.031 ± 0.021 χ^2/NDF : 0.8/2

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

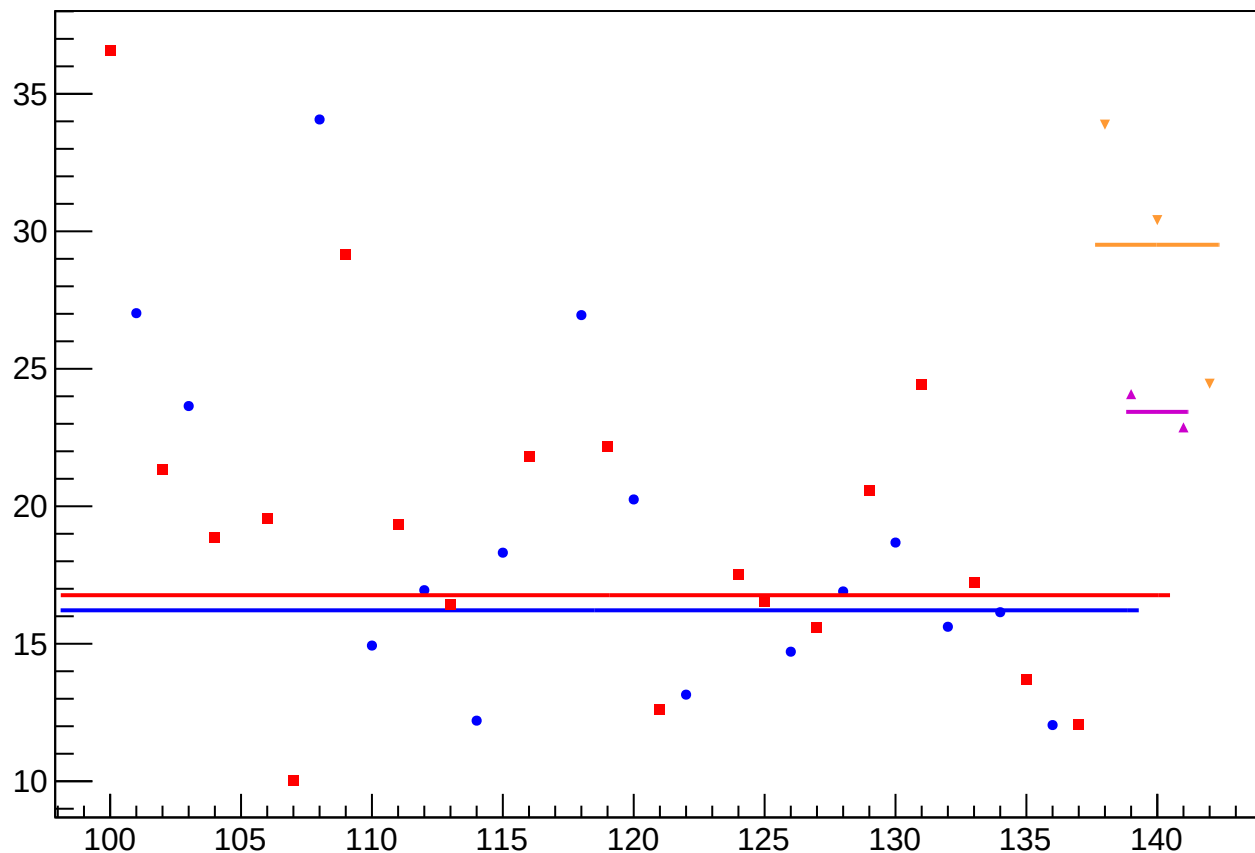
Left In: 0.001 ± 0.018 χ^2/NDF : 0.8/1

+ sign 0.002 ± 0.006 χ^2/NDF : 24.9/18

All: -0.001 ± 0.004 χ^2/NDF : 39.6/39

- sign -0.003 ± 0.006 χ^2/NDF : 14.4/20

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: 29.511 $\pm$ 0.015 χ^2/NDF : 62769.4/2

Right Out: 16.766 $\pm$ 0.005 χ^2/NDF : 866705.3/18

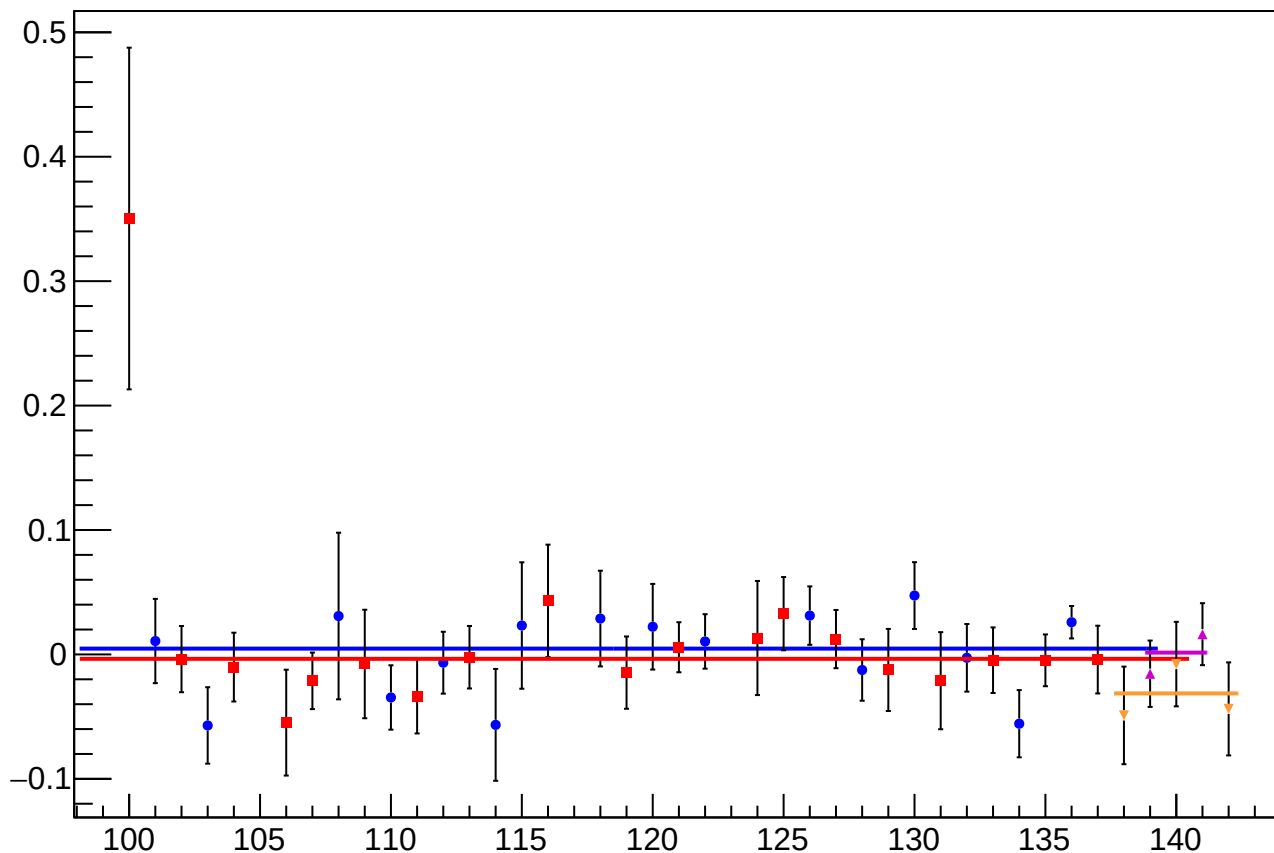
Left In: 23.434 $\pm$ 0.013 χ^2/NDF : 2198.8/1

+ sign 17.383 $\pm$ 0.004 χ^2/NDF : 1726501.9/18

All: 17.465 $\pm$ 0.003 χ^2/NDF : 2833078.4/39

- sign 17.546 $\pm$ 0.004 χ^2/NDF : 1105895.7/20

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: -0.031 ± 0.021 χ^2/NDF : 0.8/2

Right Out: -0.004 ± 0.007 χ^2/NDF : 13.6/18

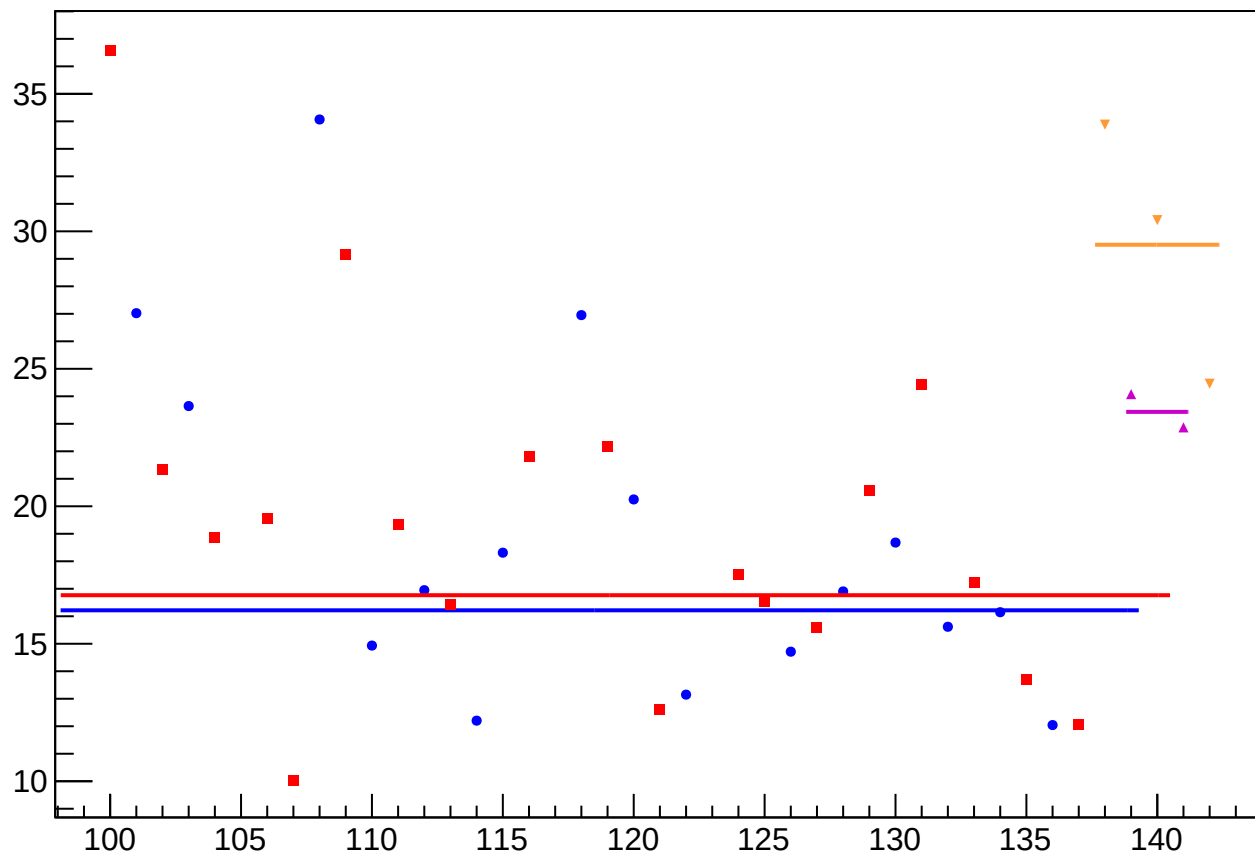
Left In: 0.001 ± 0.018 χ^2/NDF : 0.8/1

+ sign 0.002 ± 0.006 χ^2/NDF : 24.9/18

All: -0.001 ± 0.004 χ^2/NDF : 39.6/39

- sign -0.003 ± 0.006 χ^2/NDF : 14.4/20

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF : 943830.6/15

Left Out: 29.511+/-0.015 χ^2/NDF : 62769.4/2

Right Out: 16.766+/-0.005 χ^2/NDF : 866705.3/18

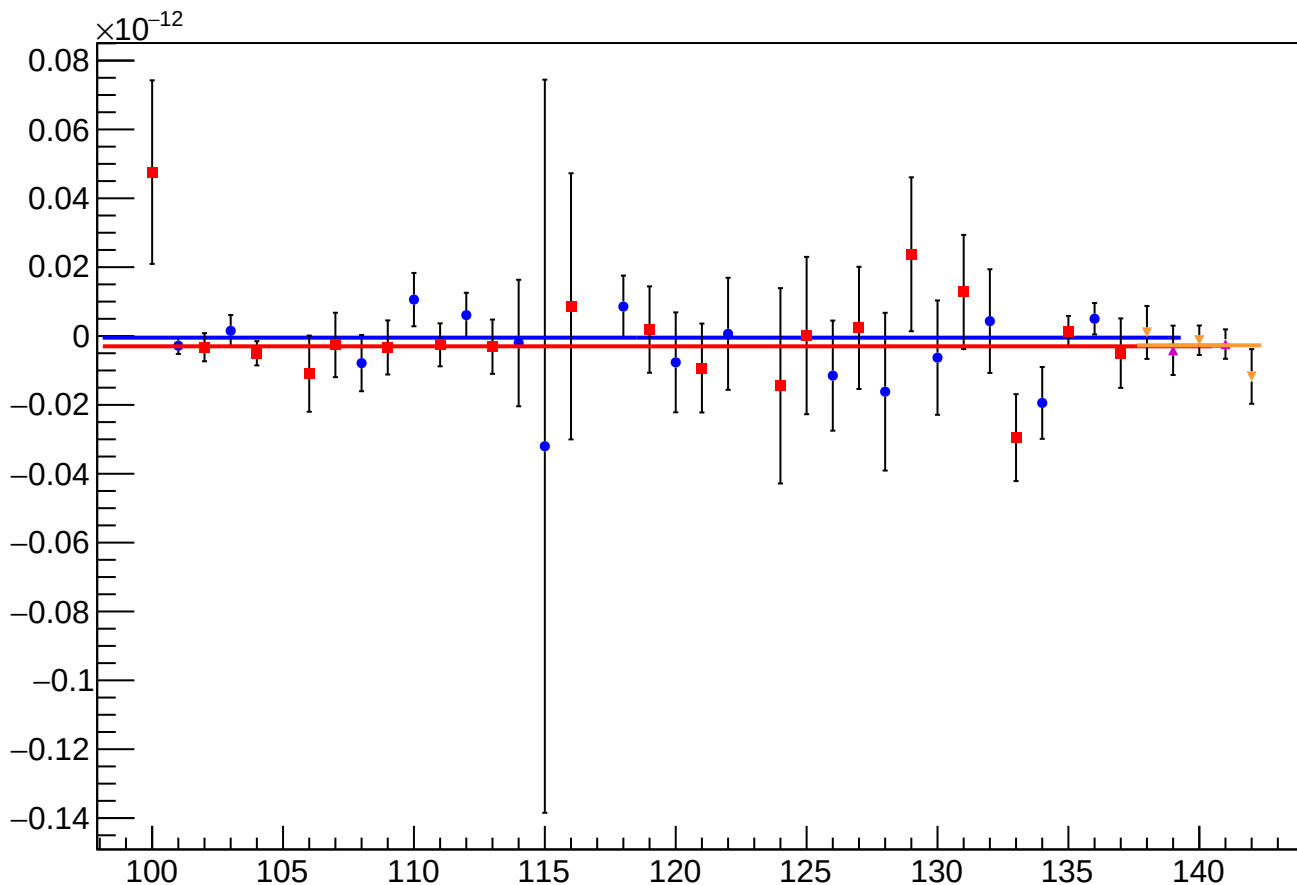
Left In: 23.434+/-0.013 χ^2/NDF : 2198.8/1

+ sign 17.383+/-0.004 χ^2/NDF : 1726501.9/18

All: 17.465+/-0.003 χ^2/NDF : 2833078.4/39

- sign 17.546+/-0.004 χ^2/NDF : 1105895.7/20

asym_sam_15_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: 1.7/2

Right Out: -0.000+/-0.000 χ^2 /NDF: 13.0/18

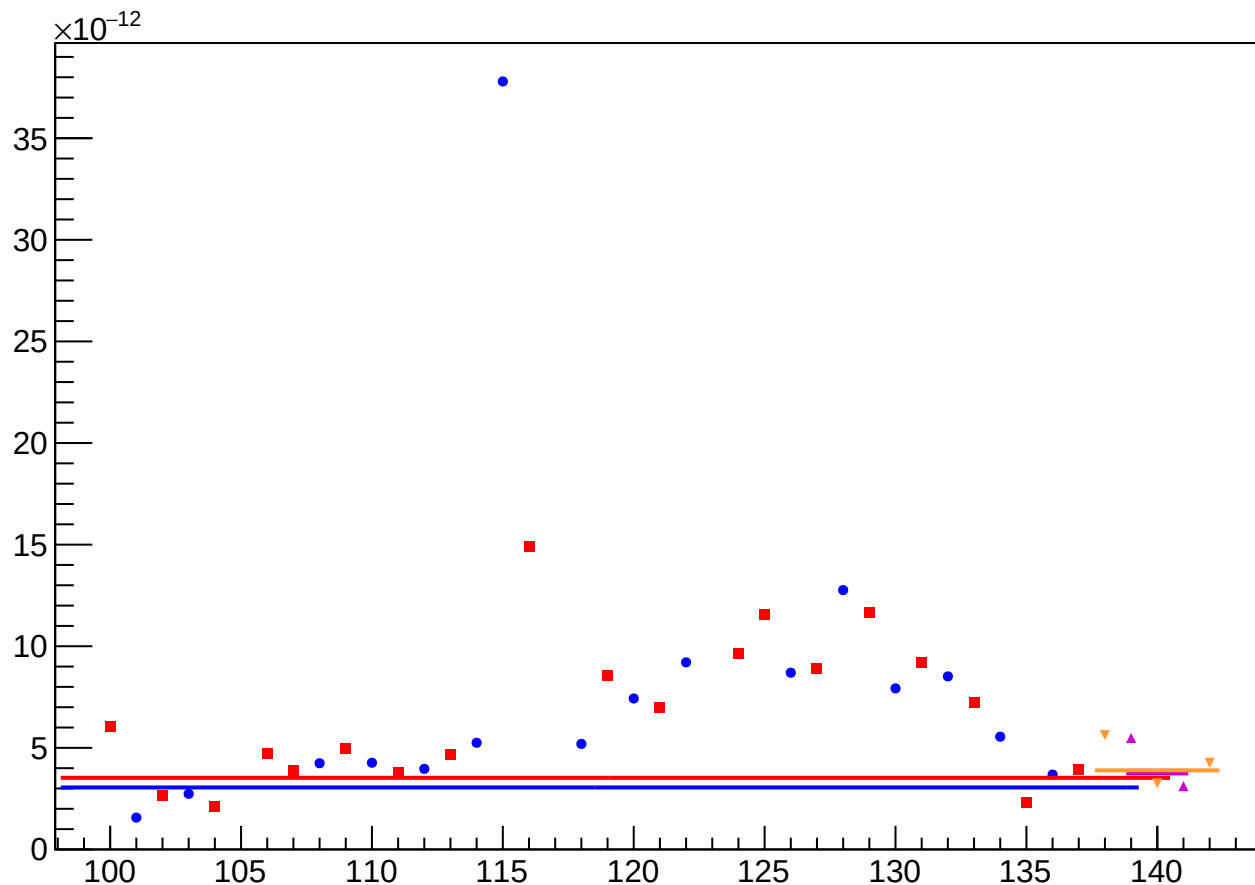
Left In: -0.000+/-0.000 χ^2 /NDF: 0.0/1

+ sign -0.000+/-0.000 χ^2 /NDF: 14.3/18

All: -0.000+/-0.000 χ^2 /NDF: 28.3/39

- sign -0.000+/-0.000 χ^2 /NDF: 13.1/20

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 : 150976.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2559080.1/18

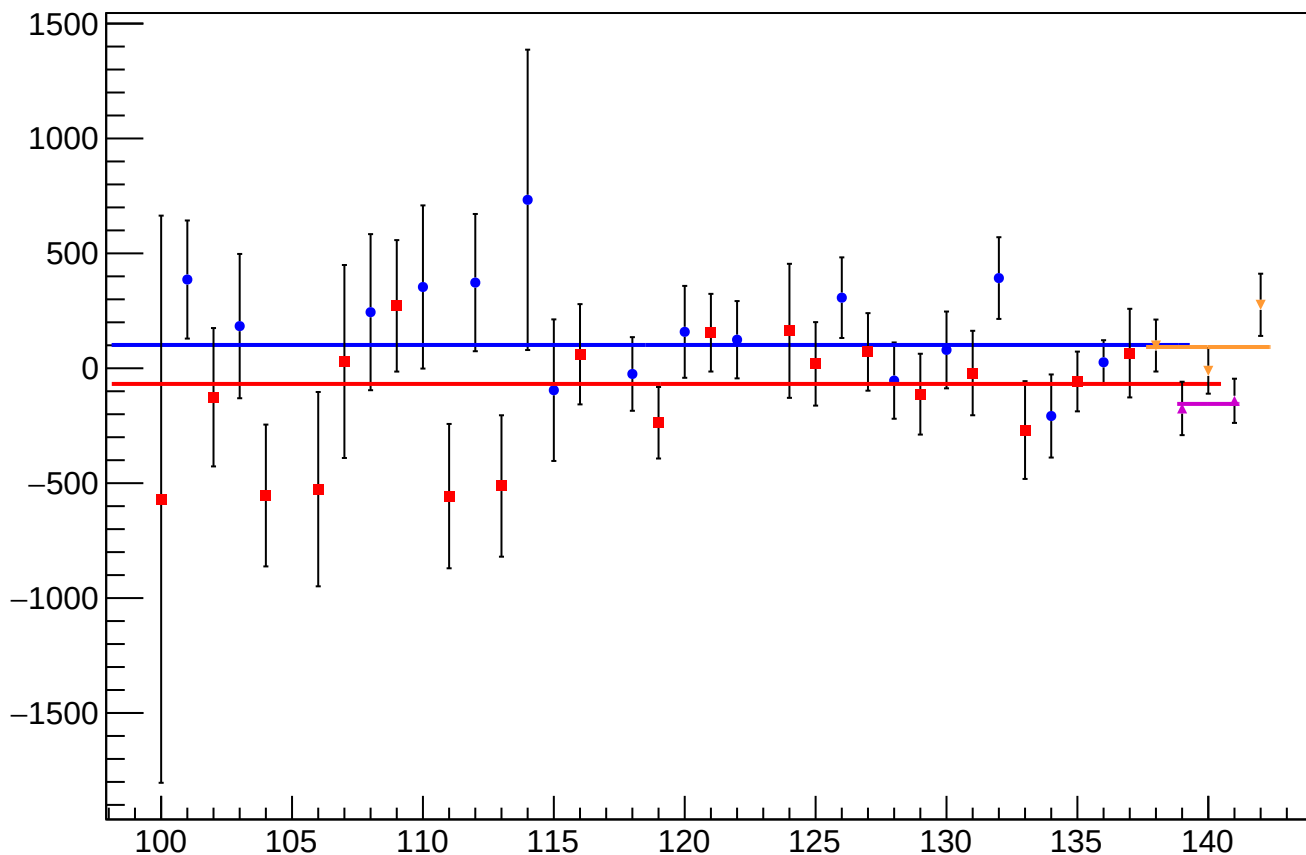
Left In: 0.000+/-0.000 χ^2/NDF : 161273.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 3188896.0/18

All: 0.000+/-0.000 χ^2/NDF : 5967775.3/39

- sign 0.000+/-0.000 χ^2/NDF : 2725877.6/20

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460 $\pm$ 47.631 χ^2 /NDF: 13.4/15

Left Out: 92.525 $\pm$ 65.344 χ^2 /NDF: 2.9/2

Right Out: -68.108 $\pm$ 49.327 χ^2 /NDF: 16.1/18

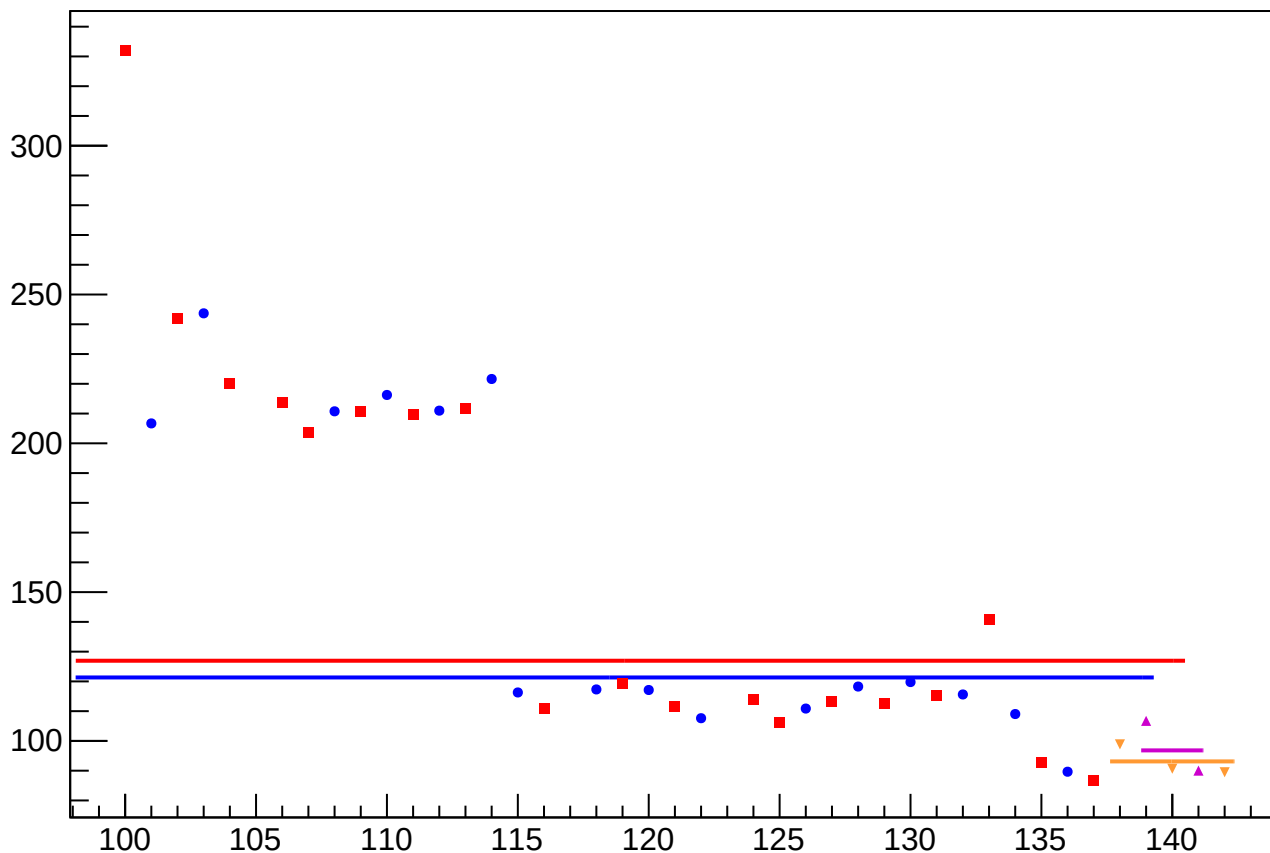
Left In: -155.069 $\pm$ 74.081 χ^2 /NDF: 0.0/1

+ sign 98.359 $\pm$ 38.490 χ^2 /NDF: 16.3/18

All: 7.999 $\pm$ 28.081 χ^2 /NDF: 45.2/39

- sign -94.820 $\pm$ 41.058 χ^2 /NDF: 17.1/20

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325 $\pm$ 0.034 χ^2/NDF : 1286651.5/15

Left Out: 93.116 $\pm$ 0.046 χ^2/NDF : 7802.6/2

Right Out: 126.945 $\pm$ 0.035 χ^2/NDF : 1471592.1/18

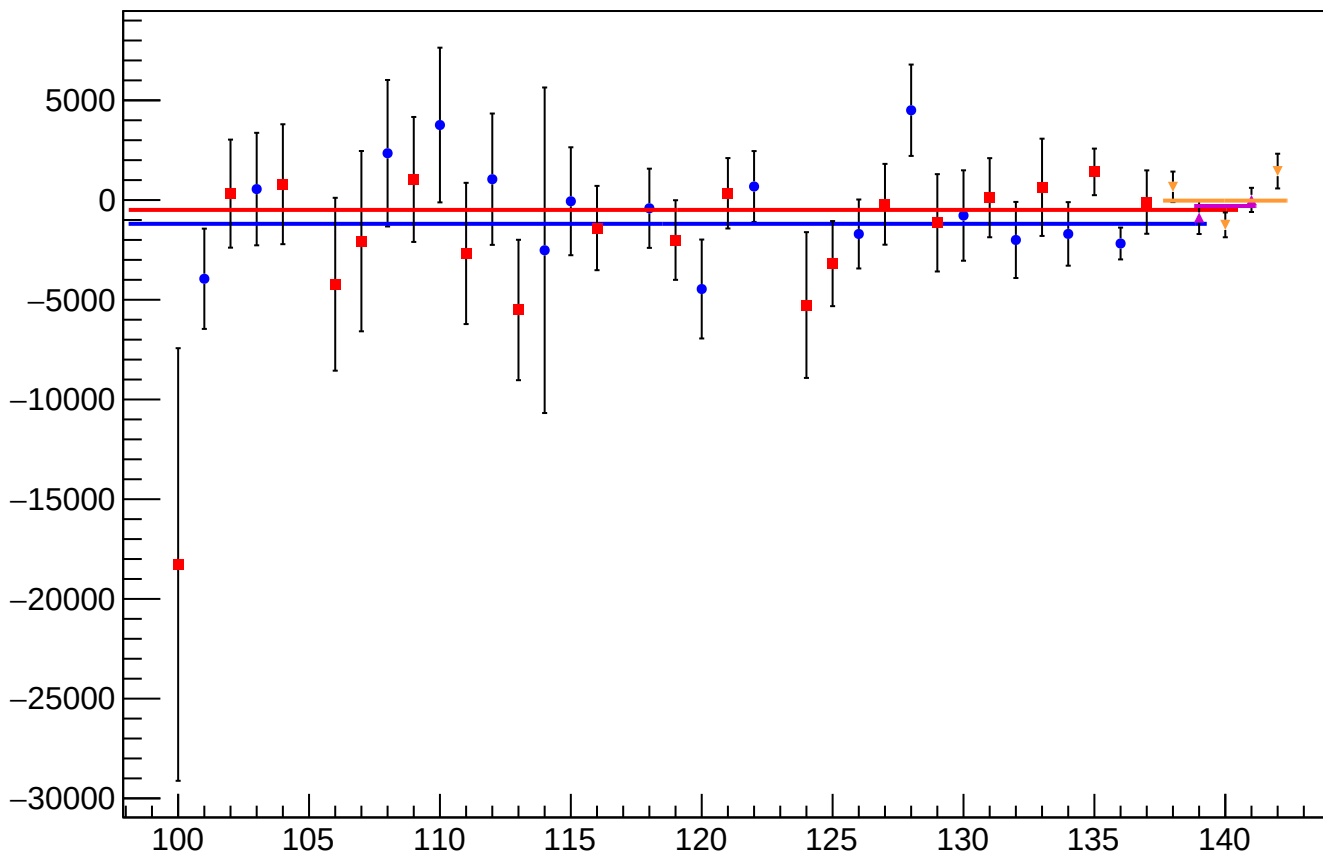
Left In: 96.820 $\pm$ 0.052 χ^2/NDF : 24583.8/1

+ sign 111.537 $\pm$ 0.027 χ^2/NDF : 1537871.8/18

All: 114.416 $\pm$ 0.020 χ^2/NDF : 3287090.8/39

- sign 117.691 $\pm$ 0.029 χ^2/NDF : 1725306.5/20

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1192.168 ± 478.908 χ^2/NDF : 15.9/15

Left Out: -28.725 ± 422.157 χ^2/NDF : 7.5/2

Right Out: -494.627 ± 521.756 χ^2/NDF : 13.9/18

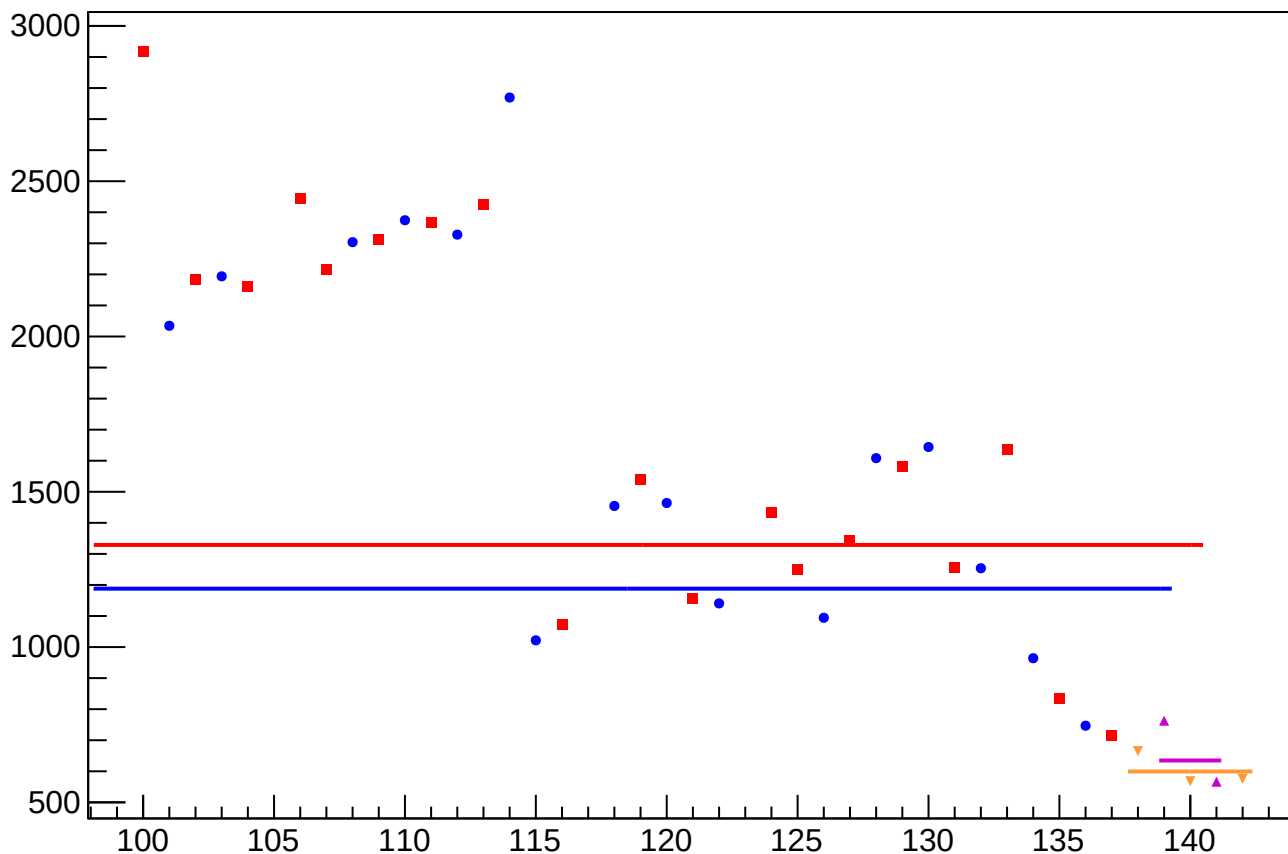
Left In: -298.916 ± 489.282 χ^2/NDF : 0.7/1

+ sign -537.460 ± 316.683 χ^2/NDF : 26.8/18

All: -472.720 ± 236.878 χ^2/NDF : 41.5/39

- sign -390.492 ± 356.903 χ^2/NDF : 14.7/20

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF : 2044635.7/15

Left Out: 599.282+/-0.299 χ^2/NDF : 21377.1/2

Right Out: 1328.816+/-0.369 χ^2/NDF : 1957758.3/18

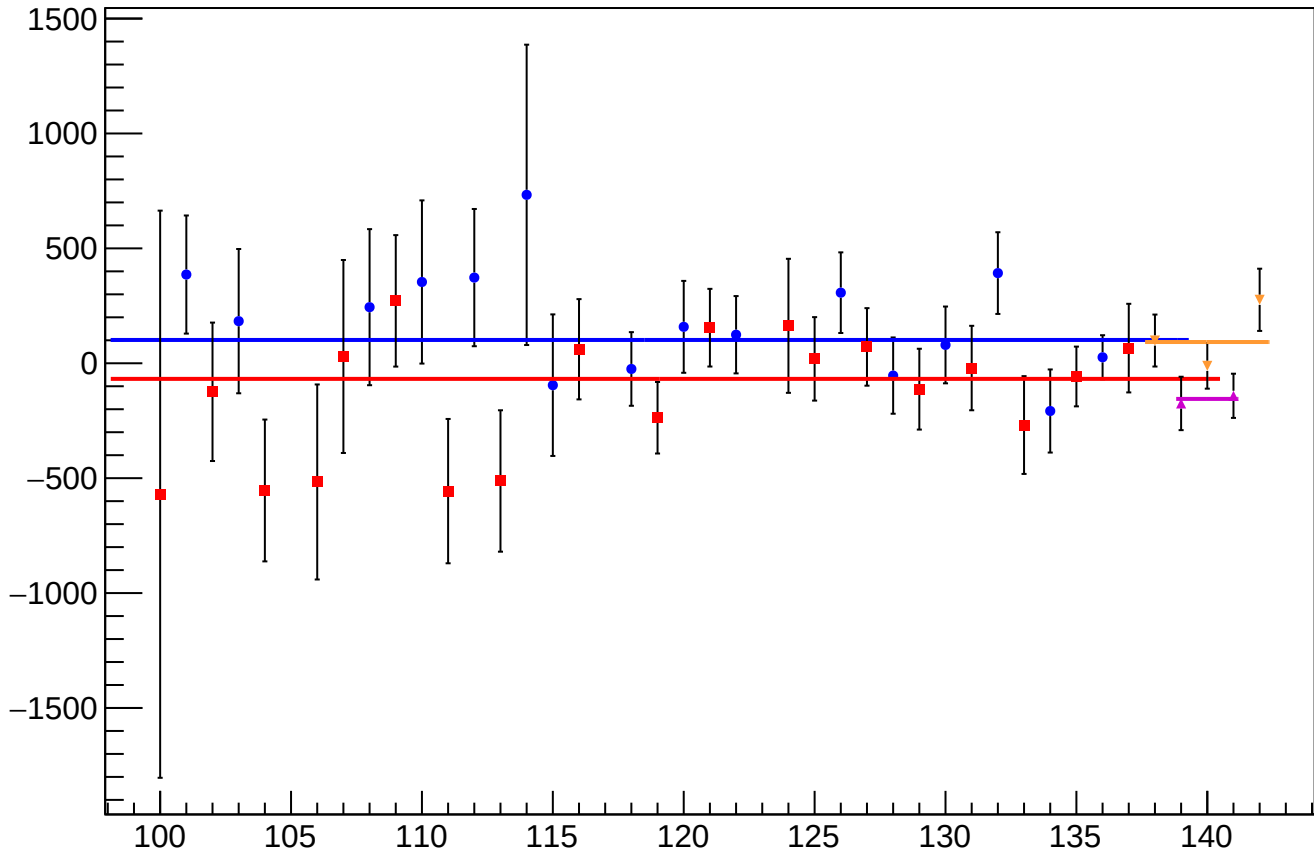
Left In: 634.812+/-0.346 χ^2/NDF : 73043.4/1

+ sign 856.739+/-0.224 χ^2/NDF : 3767174.2/18

All: 902.026+/-0.167 χ^2/NDF : 7773615.9/39

- sign 959.546+/-0.252 χ^2/NDF : 3913593.8/20

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446 $\pm$ 47.631 χ^2 /NDF: 13.3/15

Left Out: 92.533 $\pm$ 65.344 χ^2 /NDF: 2.9/2

Right Out: -67.881 $\pm$ 49.331 χ^2 /NDF: 16.1/18

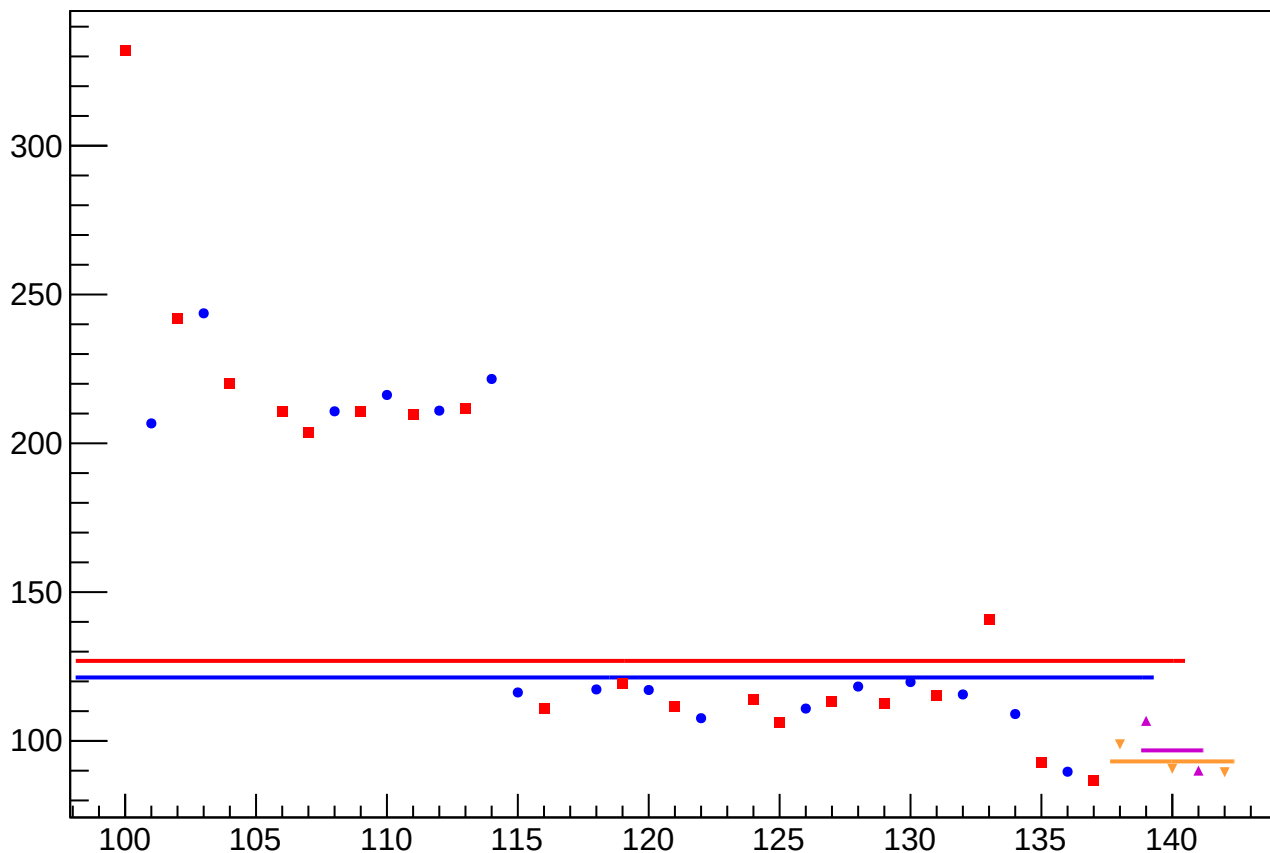
Left In: -155.079 $\pm$ 74.081 χ^2 /NDF: 0.0/1

+ sign 98.354 $\pm$ 38.490 χ^2 /NDF: 16.3/18

All: 8.071 $\pm$ 28.081 χ^2 /NDF: 45.1/39

- sign -94.669 $\pm$ 41.060 χ^2 /NDF: 17.1/20

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325 $\pm$ 0.034 χ^2 /NDF: 1286654.0/15

Left Out: 93.116 $\pm$ 0.046 χ^2 /NDF:7802.6/2

Right Out: 126.895 $\pm$ 0.035 χ^2 /NDF: 1465478.6/18

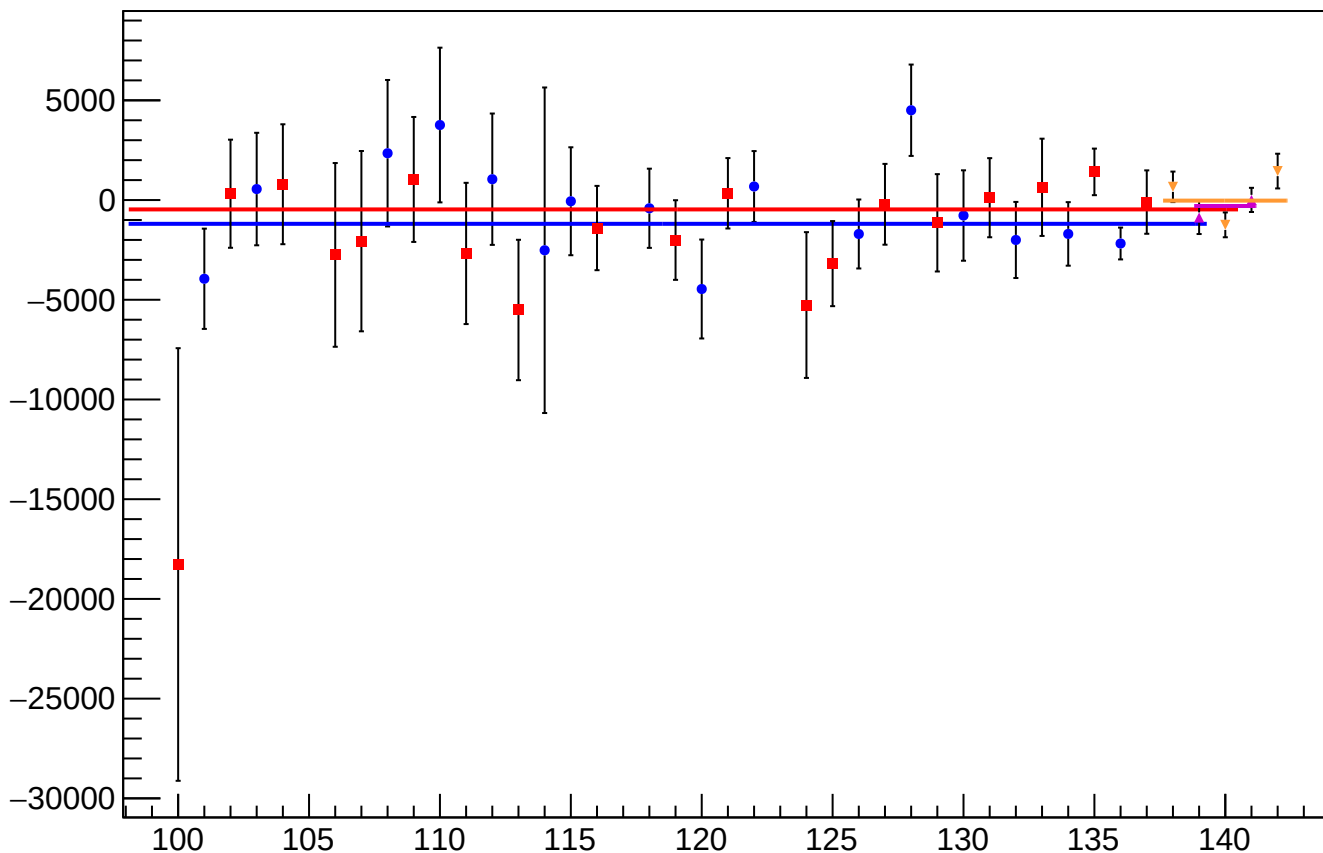
Left In: 96.820 $\pm$ 0.052 χ^2 /NDF:24583.8/1

+ sign 111.537 $\pm$ 0.027 χ^2 /NDF: 1537874.2/18

All: 114.399 $\pm$ 0.020 χ^2 /NDF: 3279935.1/39

- sign 117.656 $\pm$ 0.029 χ^2 /NDF: 1718424.2/20

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1192.145 ± 478.909 χ^2/NDF : 15.9/15

Left Out: -28.711 ± 422.157 χ^2/NDF : 7.5/2

Right Out: -469.736 ± 522.203 χ^2/NDF : 13.4/18

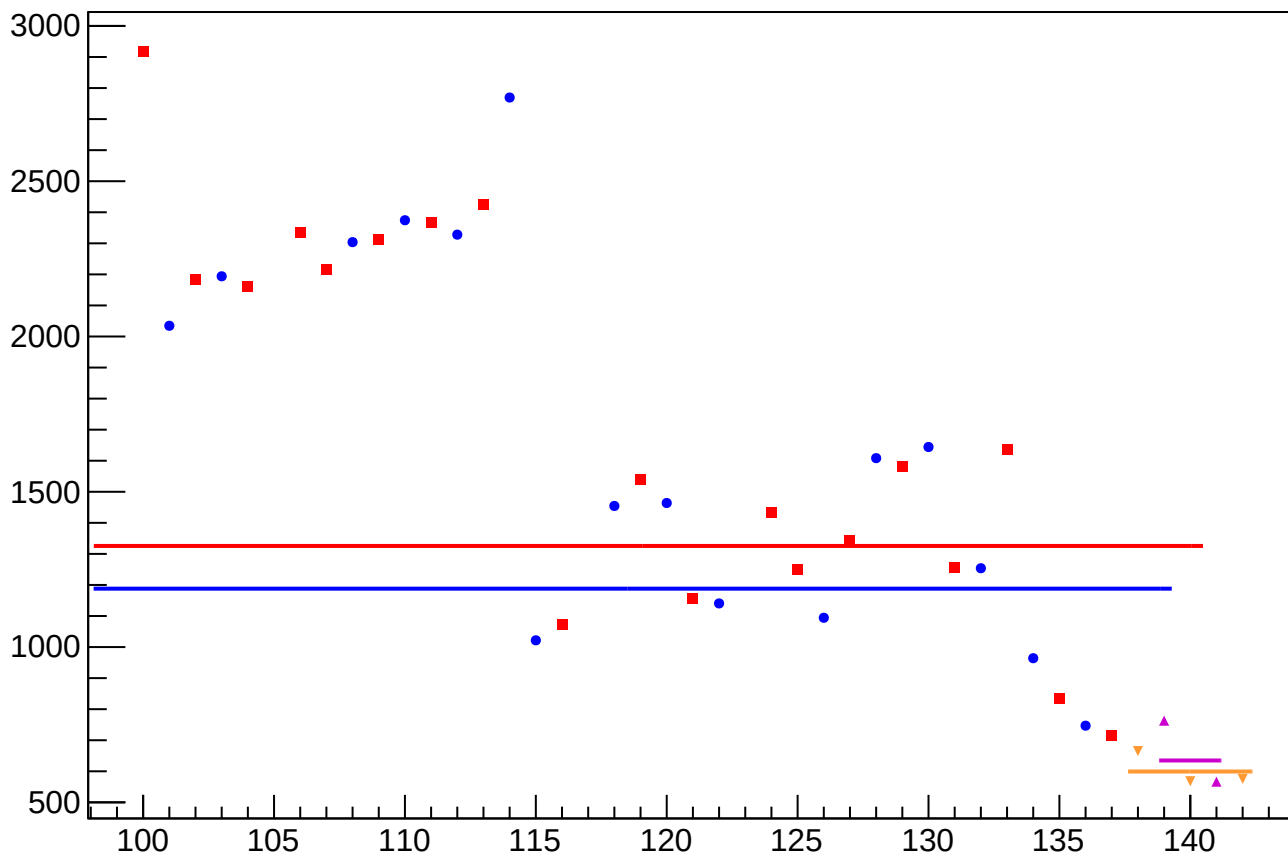
Left In: -298.930 ± 489.282 χ^2/NDF : 0.7/1

+ sign -537.441 ± 316.683 χ^2/NDF : 26.8/18

All: -467.581 ± 236.920 χ^2/NDF : 41.0/39

- sign -378.780 ± 357.046 χ^2/NDF : 14.2/20

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF : 2044666.3/15

Left Out: 599.282+/-0.299 χ^2/NDF : 21377.3/2

Right Out: 1325.564+/-0.369 χ^2/NDF : 1920986.7/18

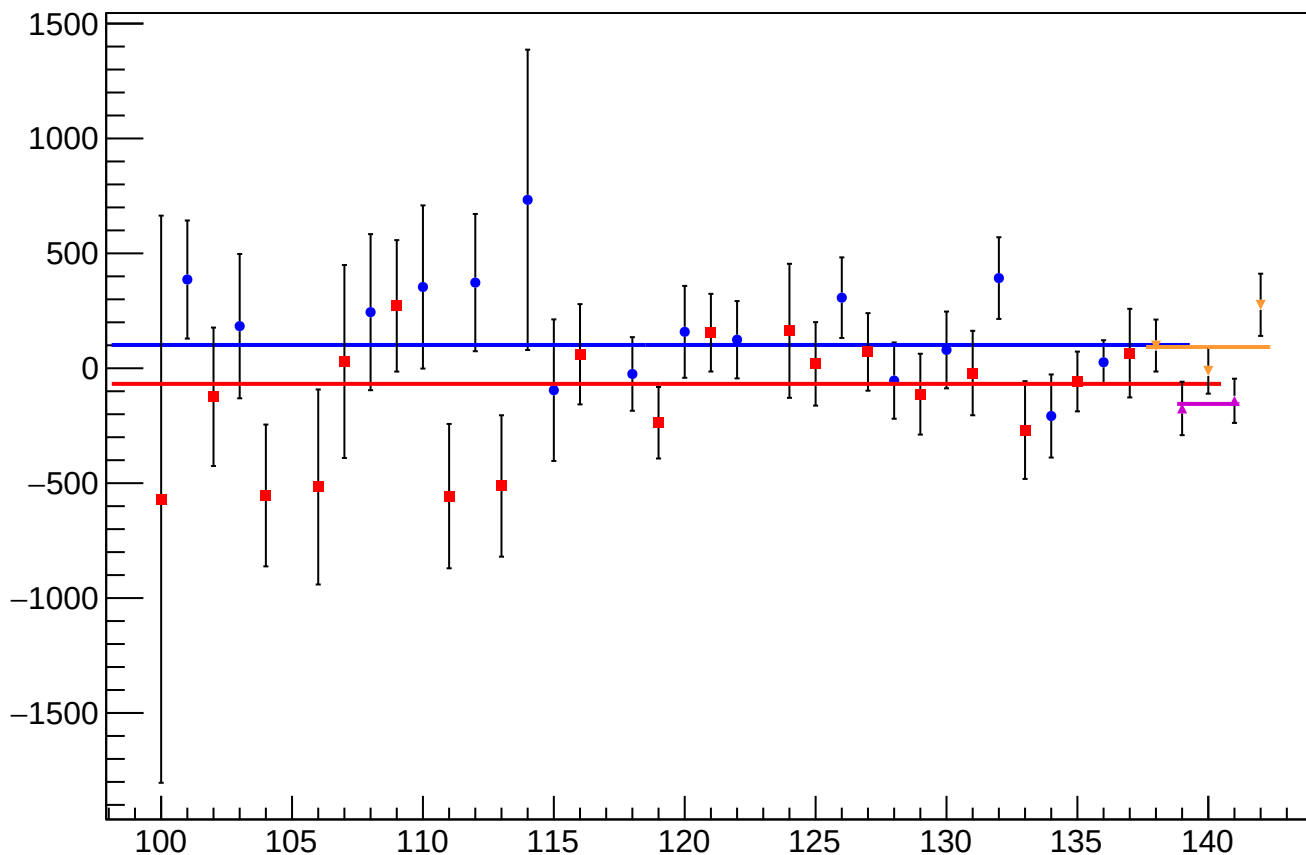
Left In: 634.812+/-0.346 χ^2/NDF : 73042.9/1

+ sign 856.738+/-0.224 χ^2/NDF : 3767204.2/18

All: 901.205+/-0.168 χ^2/NDF : 7714274.4/39

- sign 957.730+/-0.252 χ^2/NDF : 3857512.8/20

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446 $\pm$ 47.631 χ^2 /NDF: 13.3/15

Left Out: 92.533 $\pm$ 65.344 χ^2 /NDF:2.9/2

Right Out: -67.881 $\pm$ 49.331 χ^2 /NDF: 16.1/18

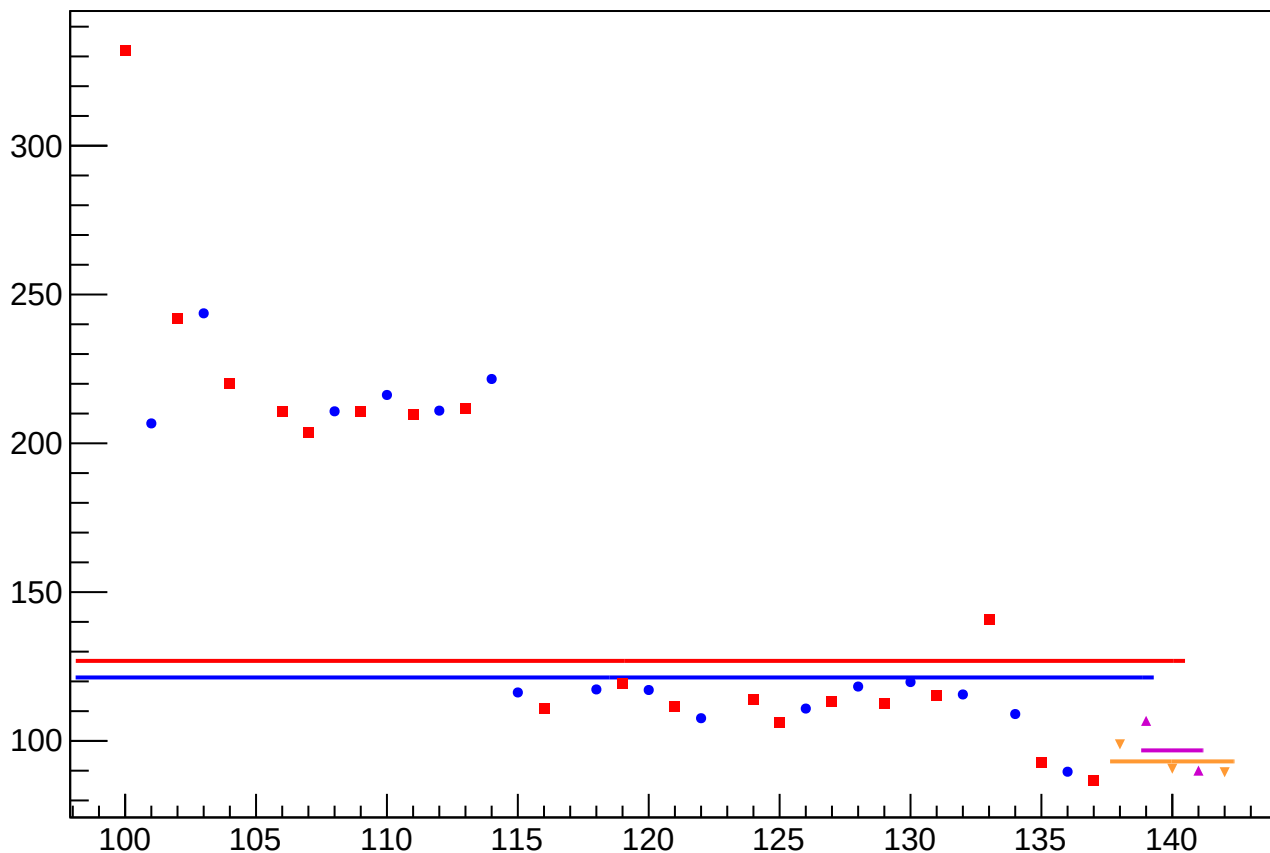
Left In: -155.079 $\pm$ 74.081 χ^2 /NDF:0.0/1

+ sign 98.354 $\pm$ 38.490 χ^2 /NDF: 16.3/18

All: 8.071 $\pm$ 28.081 χ^2 /NDF: 45.1/39

- sign -94.669 $\pm$ 41.060 χ^2 /NDF: 17.1/20

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325 $\pm$ 0.034 χ^2 /NDF: 1286654.0/15

Left Out: 93.116 $\pm$ 0.046 χ^2 /NDF: 7802.6/2

Right Out: 126.895 $\pm$ 0.035 χ^2 /NDF: 1465478.6/18

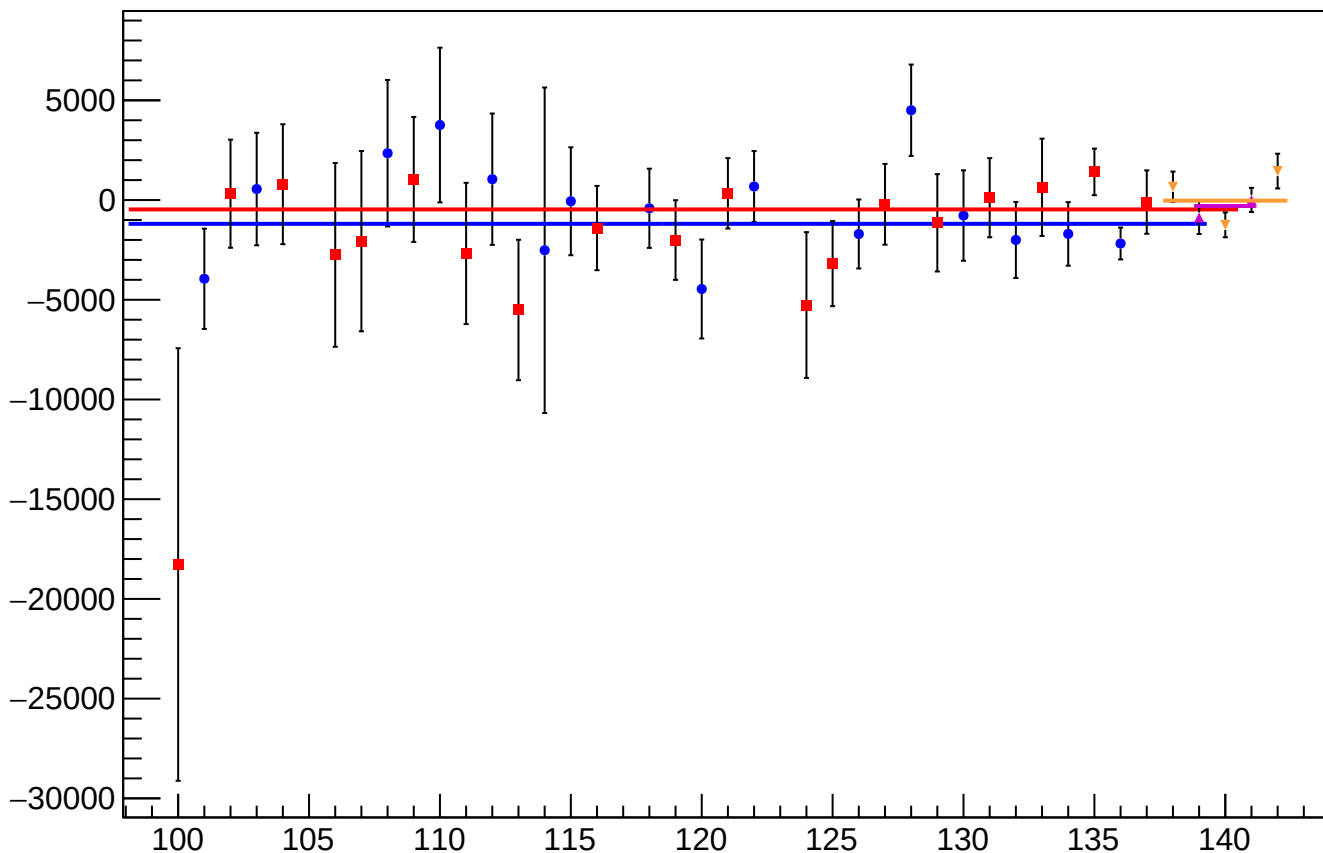
Left In: 96.820 $\pm$ 0.052 χ^2 /NDF: 24583.8/1

+ sign 111.537 $\pm$ 0.027 χ^2 /NDF: 1537874.2/18

All: 114.399 $\pm$ 0.020 χ^2 /NDF: 3279935.1/39

- sign 117.656 $\pm$ 0.029 χ^2 /NDF: 1718424.2/20

asym_sam_26_avg_eigen_cor_correction_mean vs Slug



Right In: -1192.145 ± 478.909 χ^2/NDF : 15.9/15

Left Out: -28.711 ± 422.157 χ^2/NDF : 7.5/2

Right Out: -469.736 ± 522.203 χ^2/NDF : 13.4/18

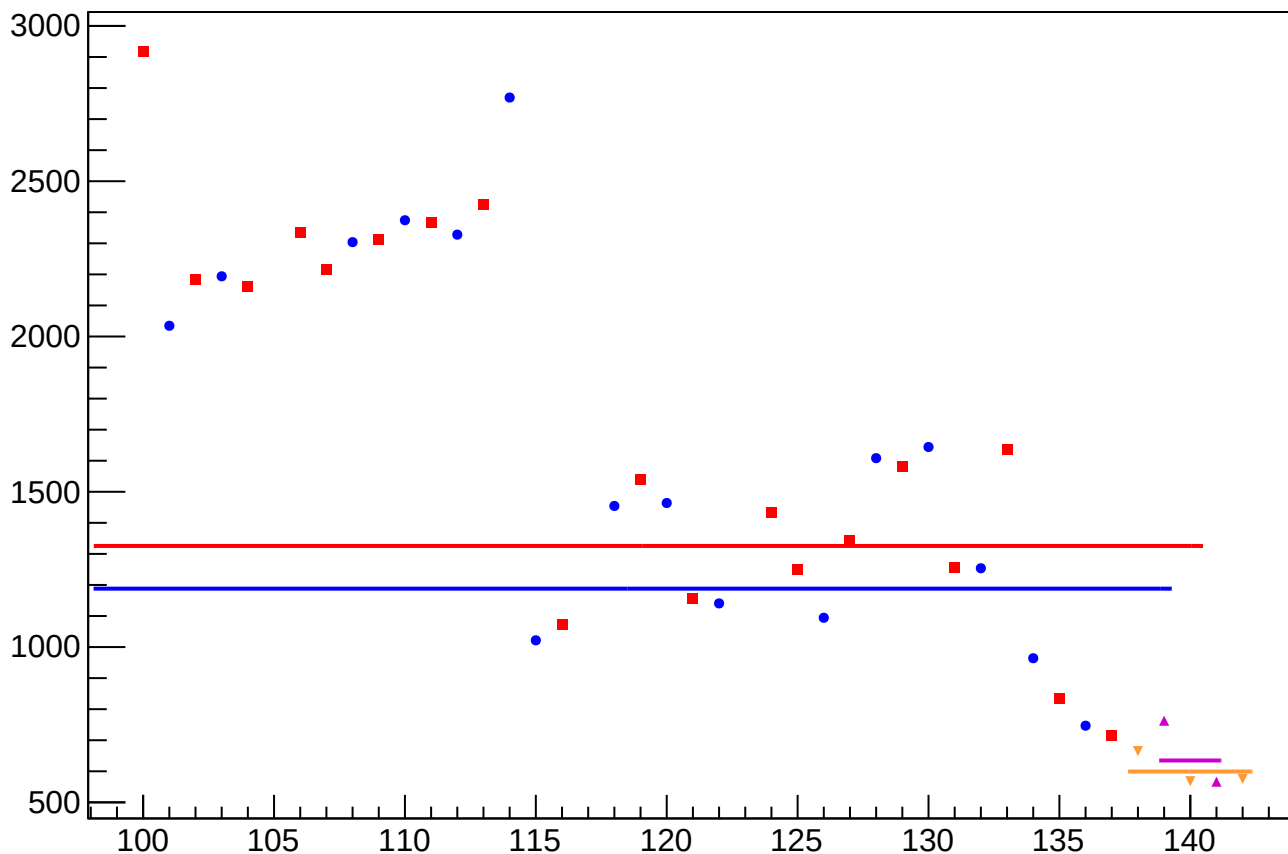
Left In: -298.930 ± 489.282 χ^2/NDF : 0.7/1

+ sign -537.441 ± 316.683 χ^2/NDF : 26.8/18

All: -467.581 ± 236.920 χ^2/NDF : 41.0/39

- sign -378.780 ± 357.046 χ^2/NDF : 14.2/20

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF : 2044666.3/15

Left Out: 599.282+/-0.299 χ^2/NDF : 21377.3/2

Right Out: 1325.564+/-0.369 χ^2/NDF : 1920986.7/18

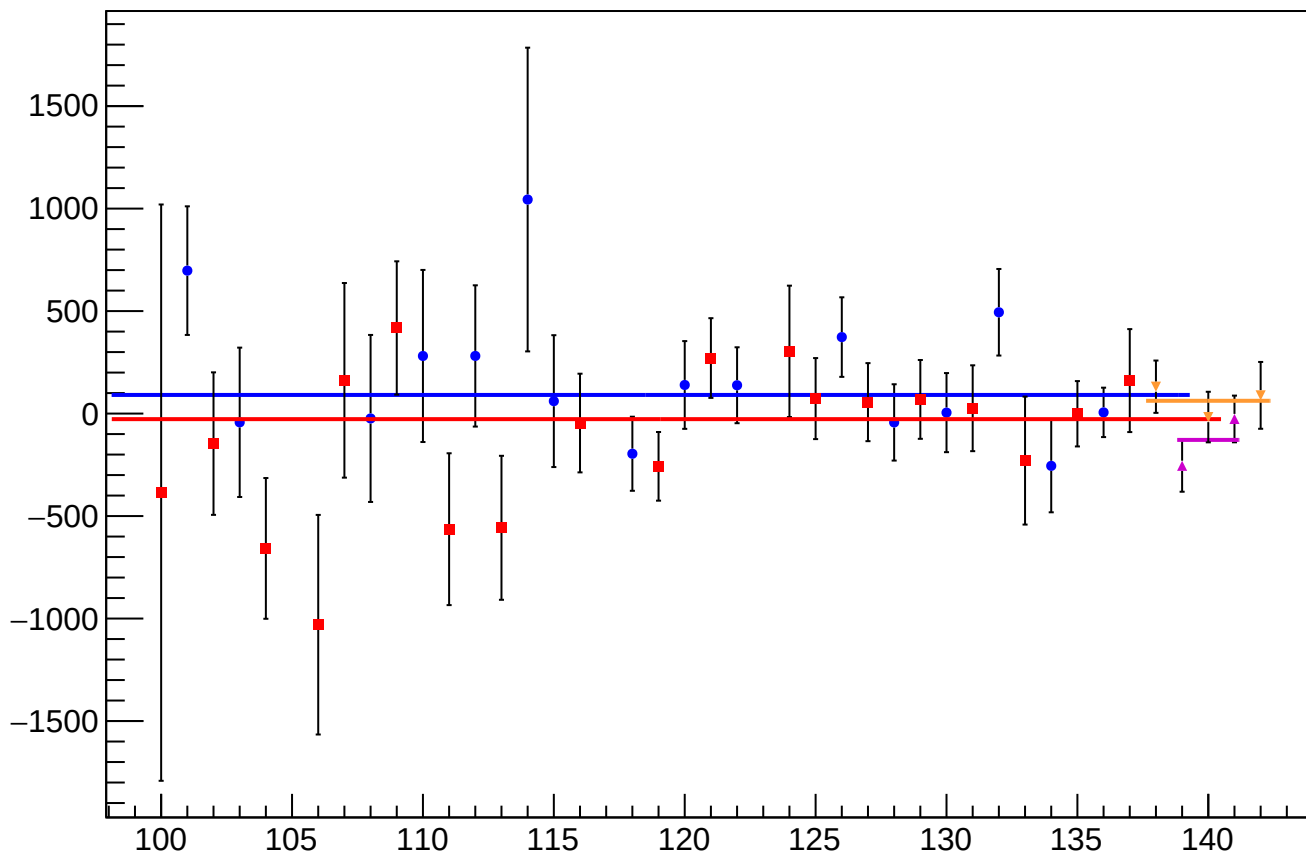
Left In: 634.812+/-0.346 χ^2/NDF : 73042.9/1

+ sign 856.738+/-0.224 χ^2/NDF : 3767204.2/18

All: 901.205+/-0.168 χ^2/NDF : 7714274.4/39

- sign 957.730+/-0.252 χ^2/NDF : 3857512.8/20

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908 $\pm$ 55.565 χ^2 /NDF: 18.1/15

Left Out: 62.395 $\pm$ 77.919 χ^2 /NDF:0.7/2

Right Out: -27.170 $\pm$ 57.015 χ^2 /NDF: 20.6/18

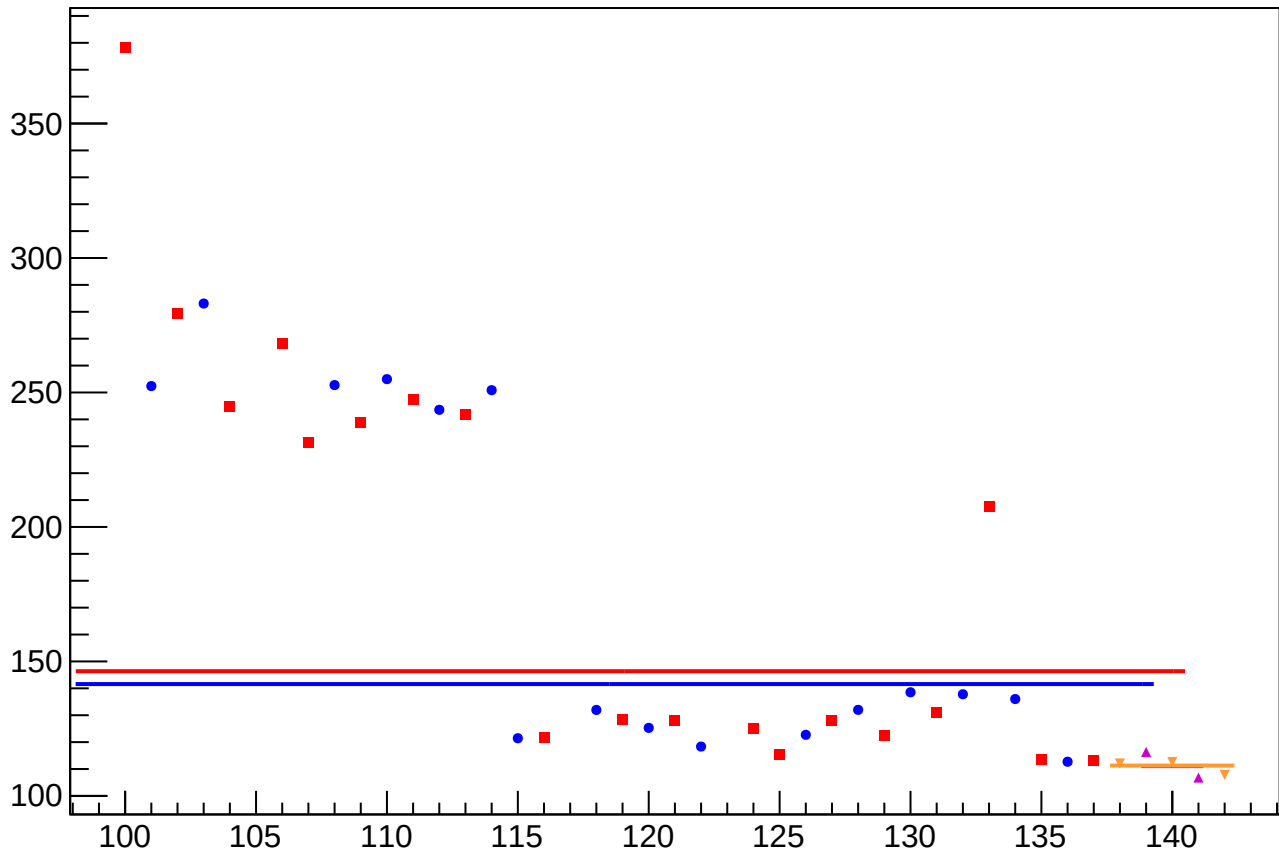
Left In: -128.445 $\pm$ 84.681 χ^2 /NDF:1.8/1

+ sign 81.296 $\pm$ 45.240 χ^2 /NDF: 18.9/18

All: 14.376 $\pm$ 32.692 χ^2 /NDF: 46.8/39

- sign -58.760 $\pm$ 47.294 χ^2 /NDF: 23.3/20

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586 $\pm$ 0.039 χ^2 /NDF: 1262366.8/15

Left Out: 111.292 $\pm$ 0.055 χ^2 /NDF:1213.1/2

Right Out: 146.368 $\pm$ 0.040 χ^2 /NDF: 1513656.0/18

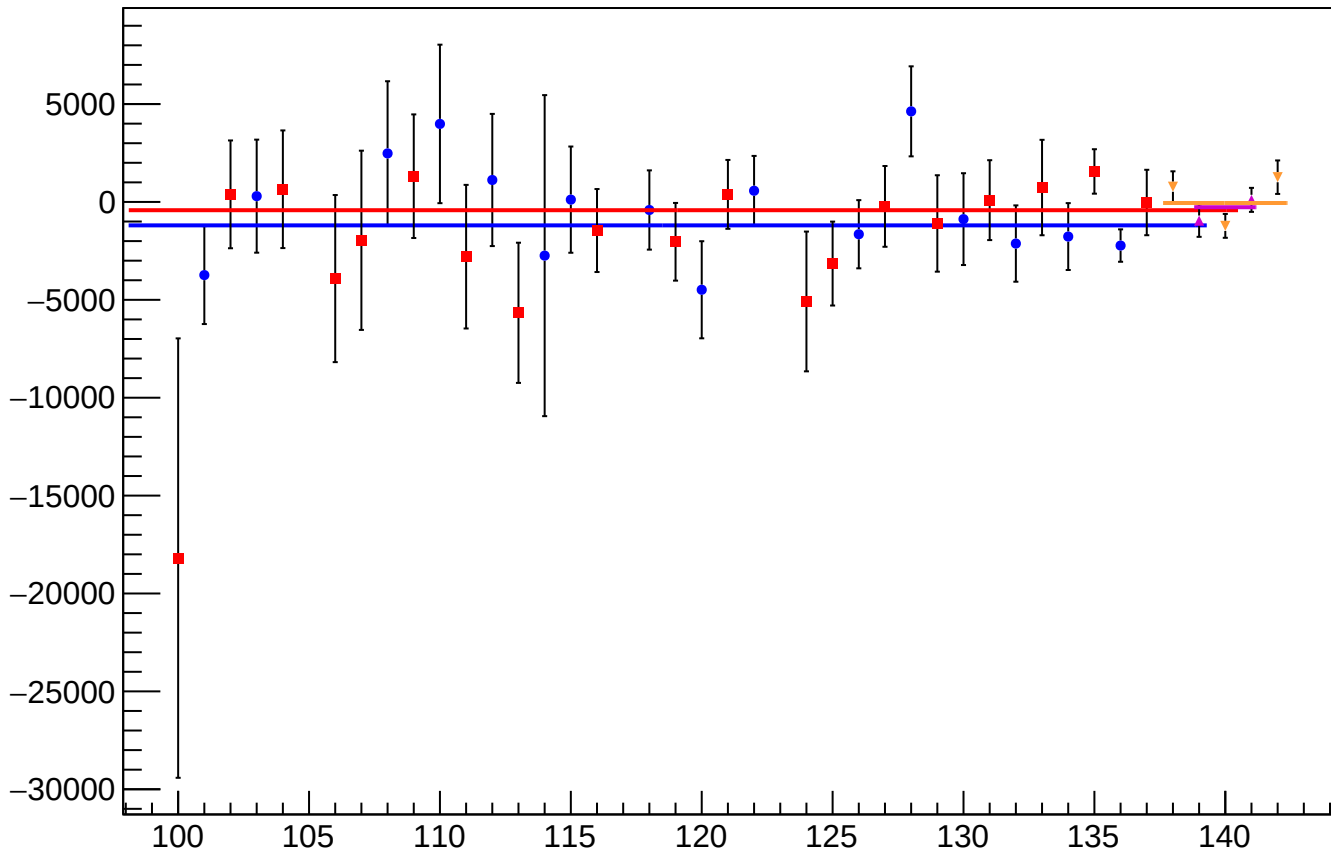
Left In: 111.084 $\pm$ 0.060 χ^2 /NDF:6273.3/1

+ sign 131.374 $\pm$ 0.032 χ^2 /NDF: 1463992.0/18

All: 133.280 $\pm$ 0.023 χ^2 /NDF: 3230278.2/39

- sign 135.362 $\pm$ 0.033 χ^2 /NDF: 1758858.8/20

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663 ± 491.384 χ^2/NDF : 16.0/15

Left Out: -53.666 ± 419.552 χ^2/NDF : 7.2/2

Right Out: -422.161 ± 523.834 χ^2/NDF : 14.3/18

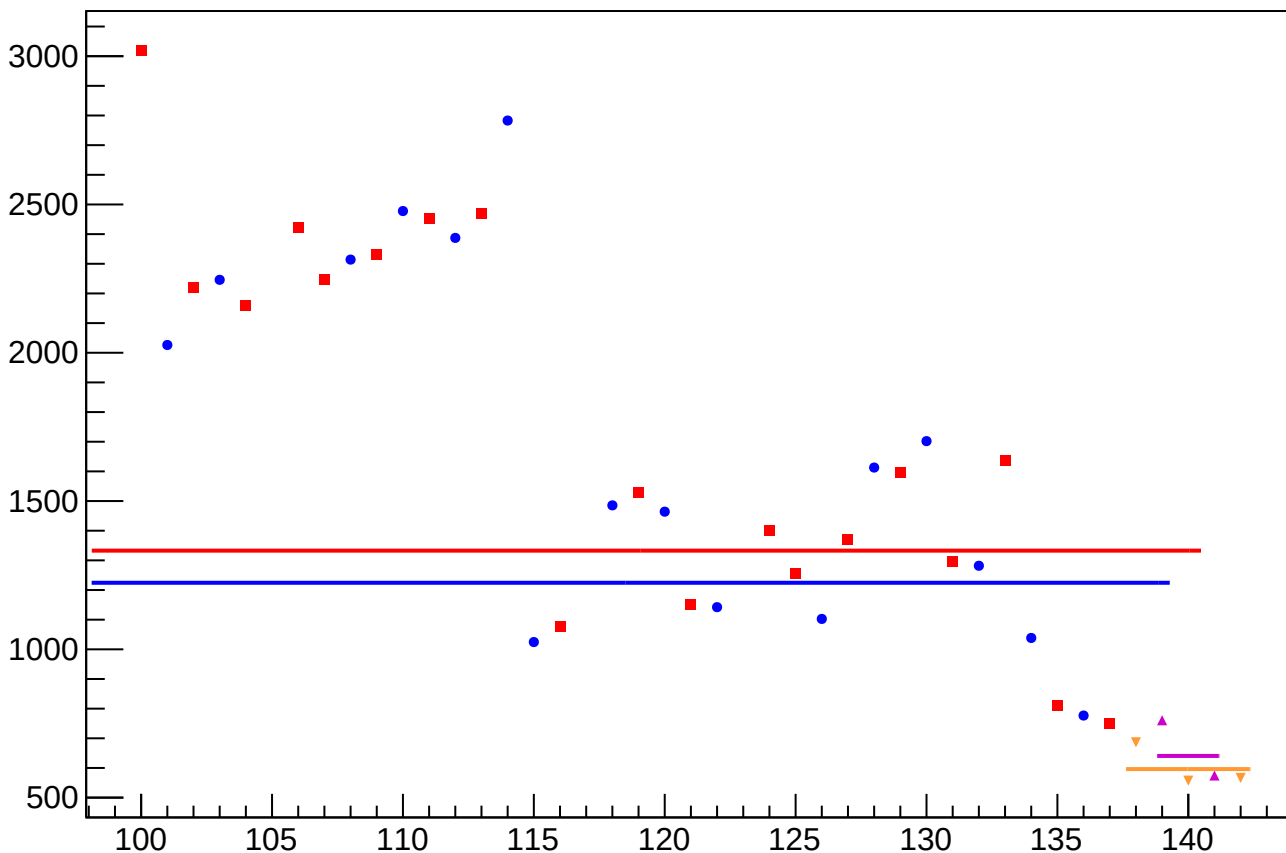
Left In: -269.417 ± 492.754 χ^2/NDF : 1.1/1

+ sign -535.590 ± 319.071 χ^2/NDF : 26.3/18

All: -449.746 ± 238.465 χ^2/NDF : 41.8/39

- sign -341.123 ± 358.915 χ^2/NDF : 15.4/20

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF : 1959362.3/15

Left Out: 596.234+/-0.297 χ^2/NDF : 37083.3/2

+ sign 861.118+/-0.226 χ^2/NDF : 3887212.6/18

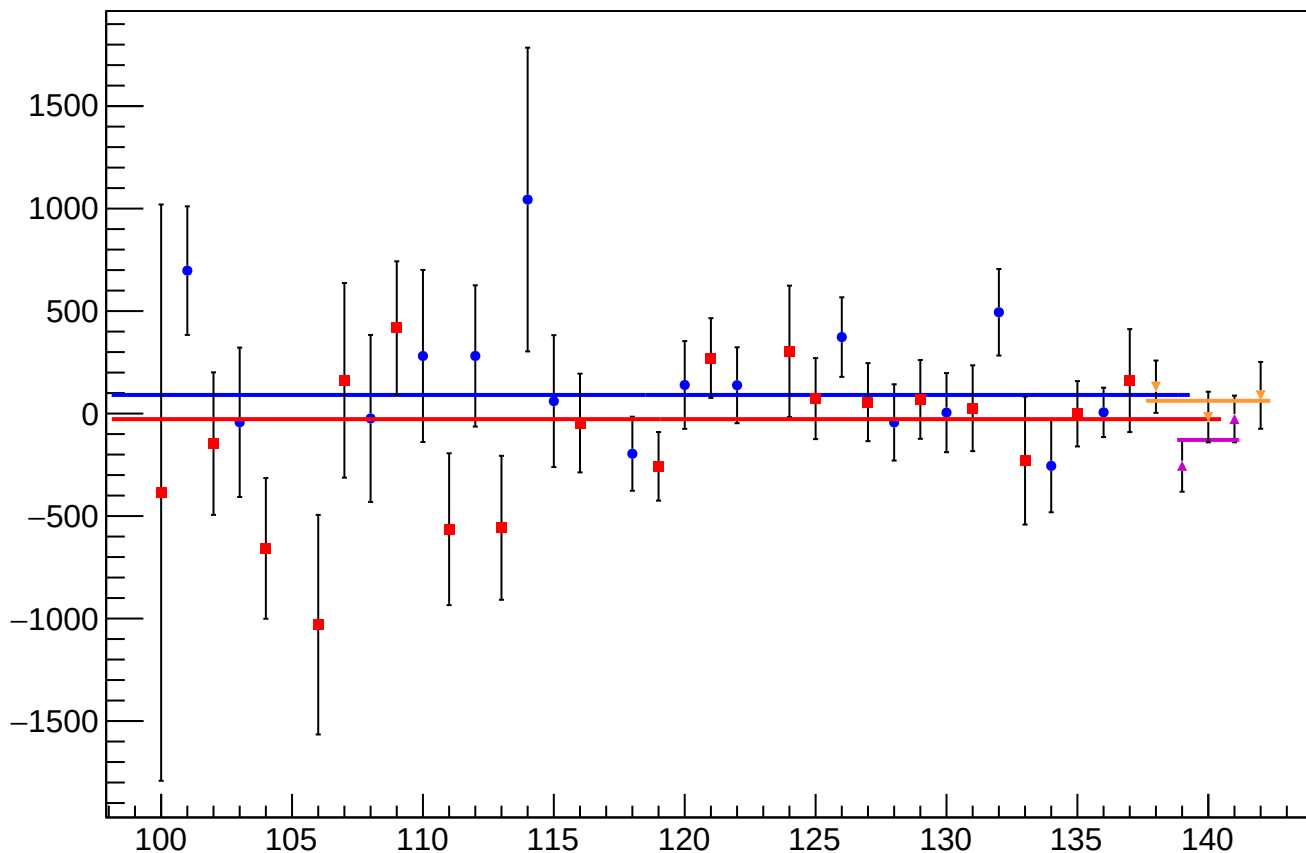
Right Out: 1332.785+/-0.370 χ^2/NDF : 1994811.5/18

All: 907.208+/-0.169 χ^2/NDF : 7894852.3/39

Left In: 640.555+/-0.348 χ^2/NDF : 65340.8/1

- sign 965.527+/-0.254 χ^2/NDF : 3913105.4/20

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910 $\pm$ 55.564 χ^2 /NDF: 18.1/15

Left Out: 62.392 $\pm$ 77.919 χ^2 /NDF:0.7/2

Right Out: -27.170 $\pm$ 57.015 χ^2 /NDF: 20.6/18

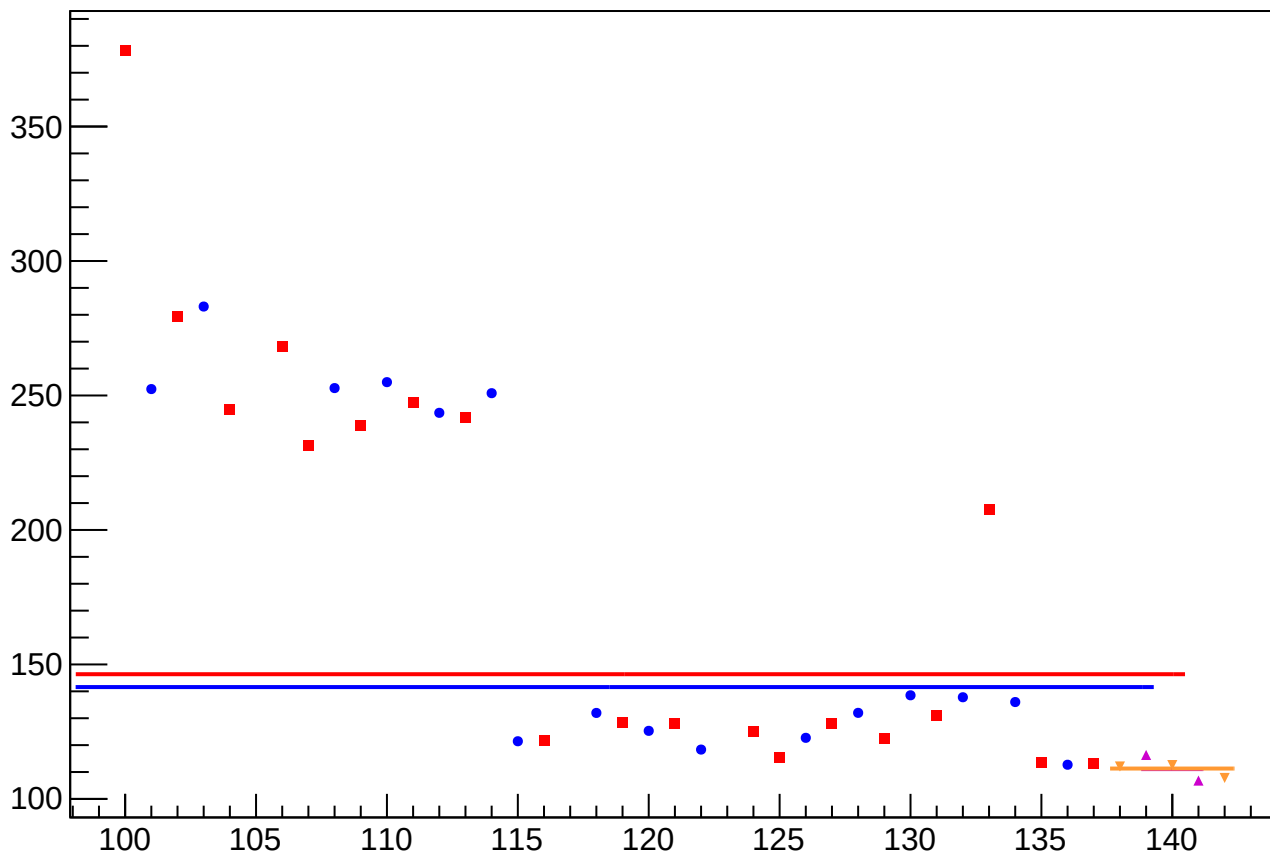
Left In: -128.444 $\pm$ 84.681 χ^2 /NDF:1.8/1

+ sign 81.297 $\pm$ 45.240 χ^2 /NDF: 18.9/18

All: 14.377 $\pm$ 32.692 χ^2 /NDF: 46.8/39

- sign -58.760 $\pm$ 47.294 χ^2 /NDF: 23.3/20

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586 $\pm$ 0.039 χ^2 /NDF: 1262350.2/15

Left Out: 111.292 $\pm$ 0.055 χ^2 /NDF:1213.3/2

Right Out: 146.368 $\pm$ 0.040 χ^2 /NDF: 1513641.5/18

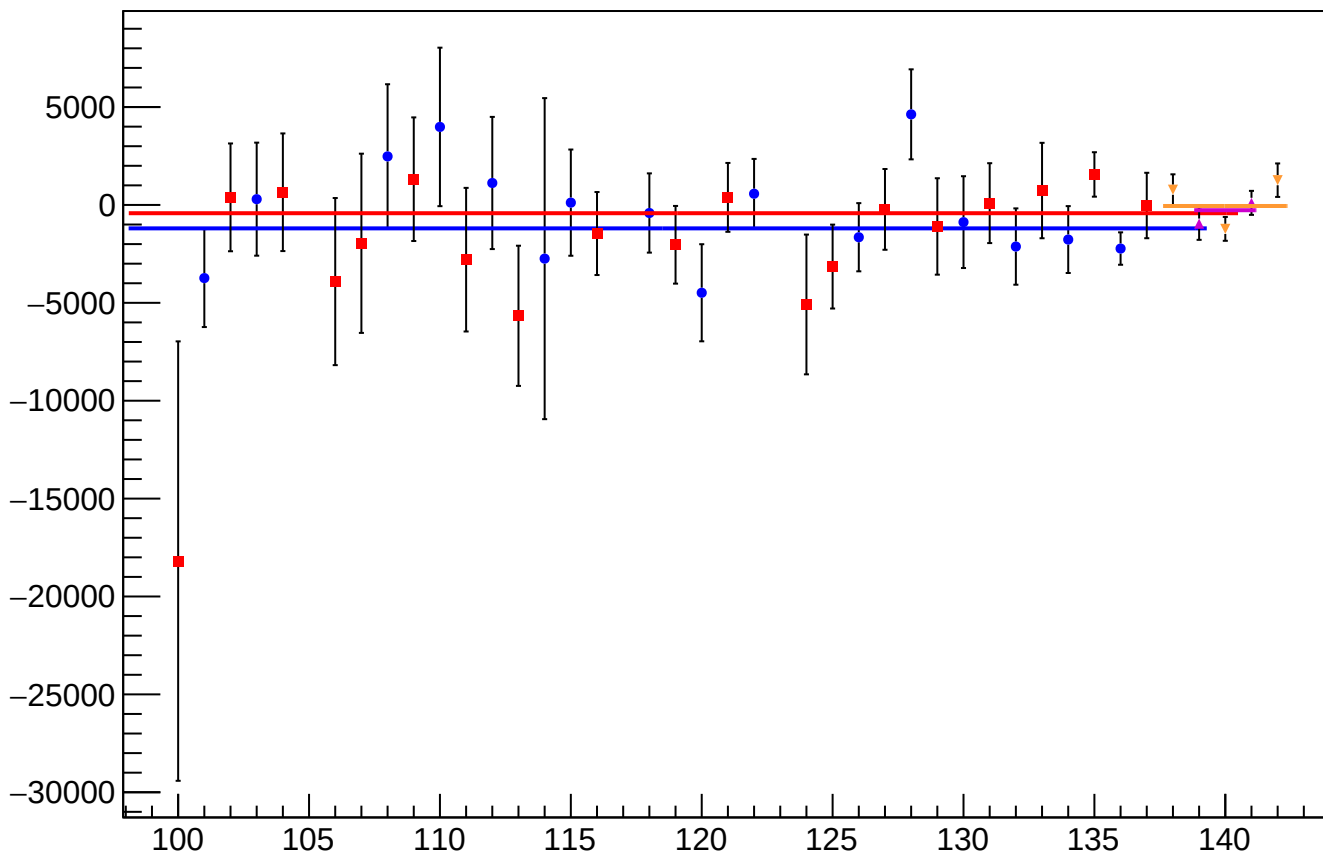
Left In: 111.084 $\pm$ 0.060 χ^2 /NDF:6272.8/1

+ sign 131.373 $\pm$ 0.032 χ^2 /NDF: 1463968.2/18

All: 133.279 $\pm$ 0.023 χ^2 /NDF: 3230228.5/39

- sign 135.362 $\pm$ 0.033 χ^2 /NDF: 1758831.4/20

asym_sam_26_avg_eigen_dit_correction_mean vs Slug



Right In: -1196.659 ± 491.383 χ^2/NDF : 16.0/15

Left Out: -53.666 ± 419.552 χ^2/NDF : 7.2/2

Right Out: -422.163 ± 523.833 χ^2/NDF : 14.3/18

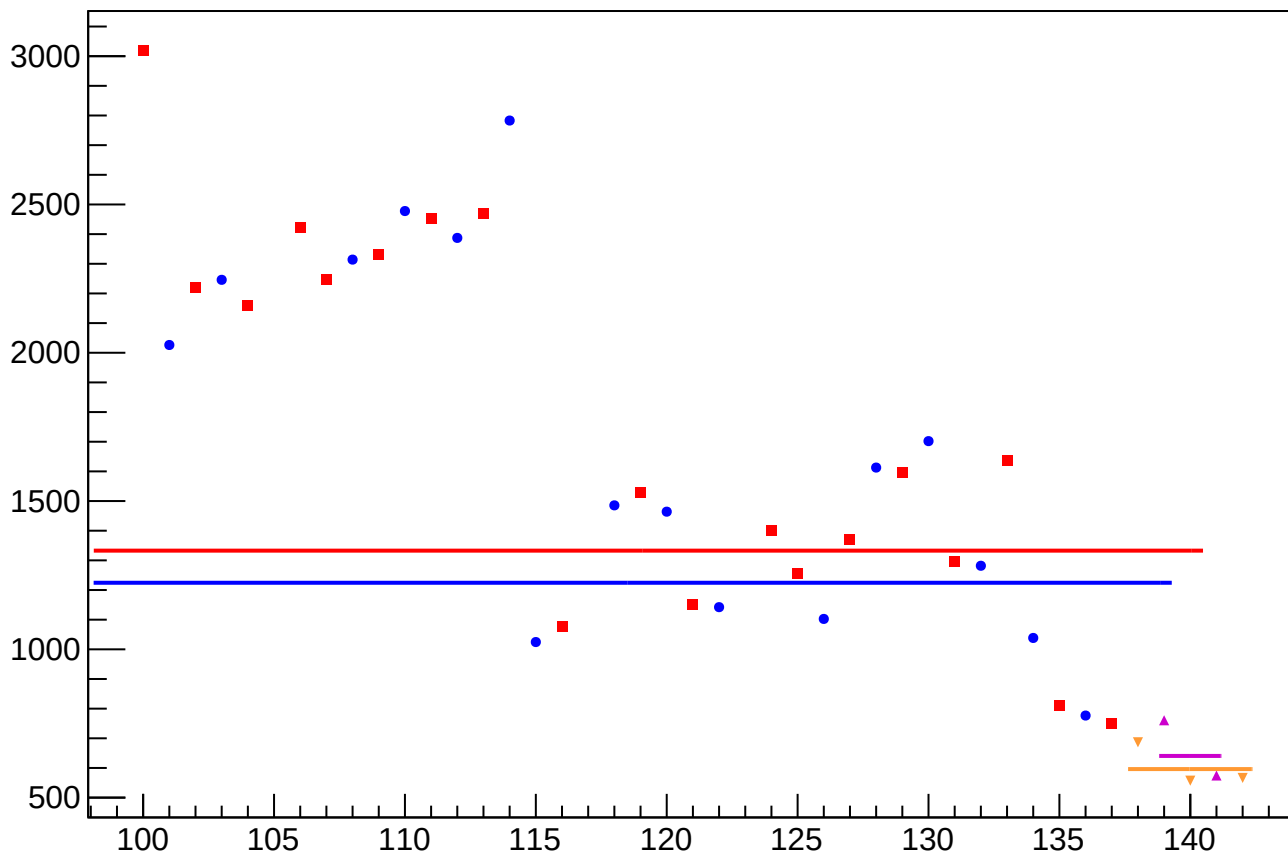
Left In: -269.419 ± 492.754 χ^2/NDF : 1.1/1

+ sign -535.589 ± 319.071 χ^2/NDF : 26.3/18

All: -449.746 ± 238.465 χ^2/NDF : 41.8/39

- sign -341.126 ± 358.914 χ^2/NDF : 15.4/20

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470 ± 0.347 $\chi^2/\text{NDF}: 1959341.1/15$

Left Out: 596.234 ± 0.297 $\chi^2/\text{NDF}: 37080.4/2$

Right Out: 1332.784 ± 0.370 $\chi^2/\text{NDF}: 1994794.3/18$

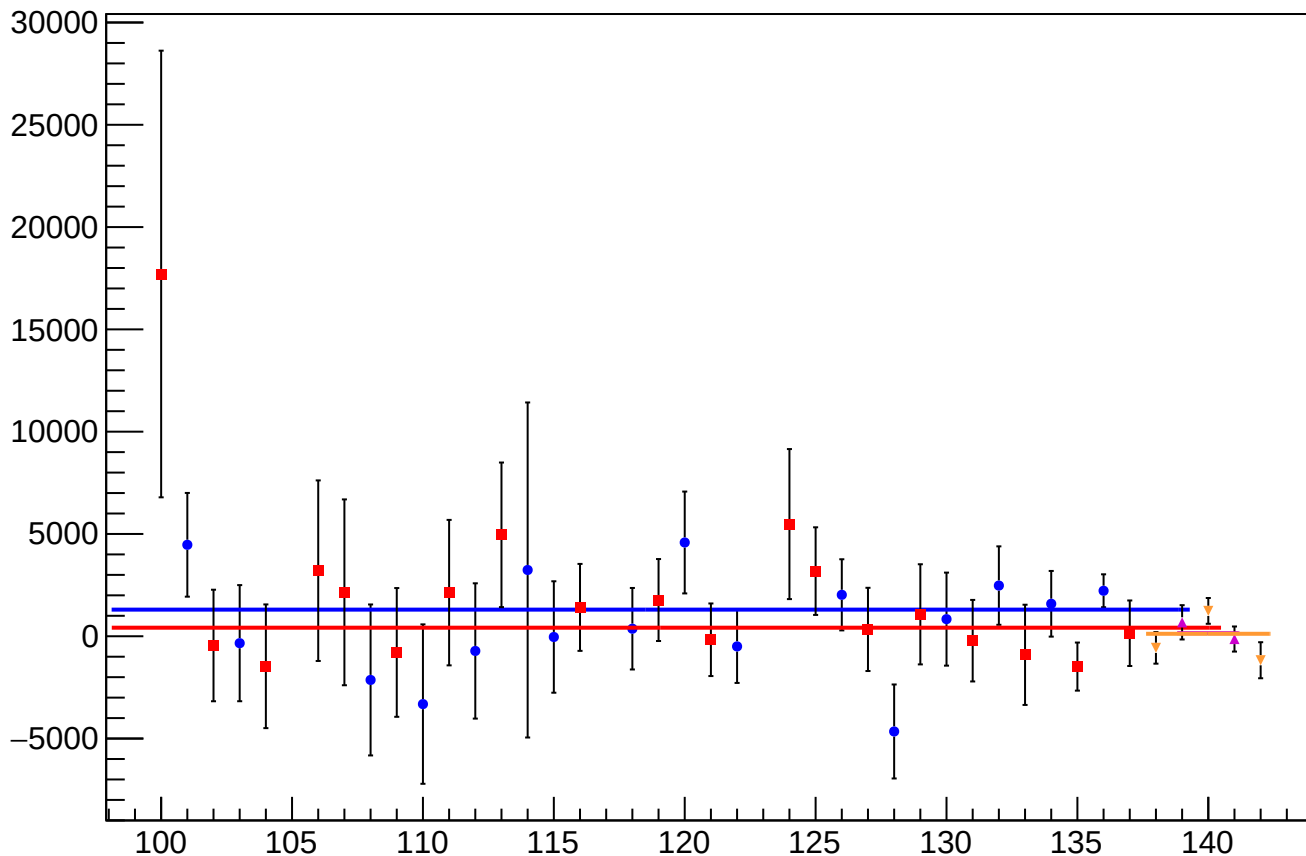
Left In: 640.555 ± 0.348 $\chi^2/\text{NDF}: 65337.2/1$

+ sign 861.119 ± 0.226 $\chi^2/\text{NDF}: 3887185.1/18$

All: 907.208 ± 0.169 $\chi^2/\text{NDF}: 7894802.9/39$

- sign 965.526 ± 0.254 $\chi^2/\text{NDF}: 3913084.6/20$

asym_sam_26_avg_mean vs Slug



Right In: 1301.623 $\pm$ 481.959 χ^2 /NDF: 16.5/15

Left Out: 120.632 $\pm$ 427.261 χ^2 /NDF: 6.1/2

Right Out: 418.283 $\pm$ 524.515 χ^2 /NDF: 13.0/18

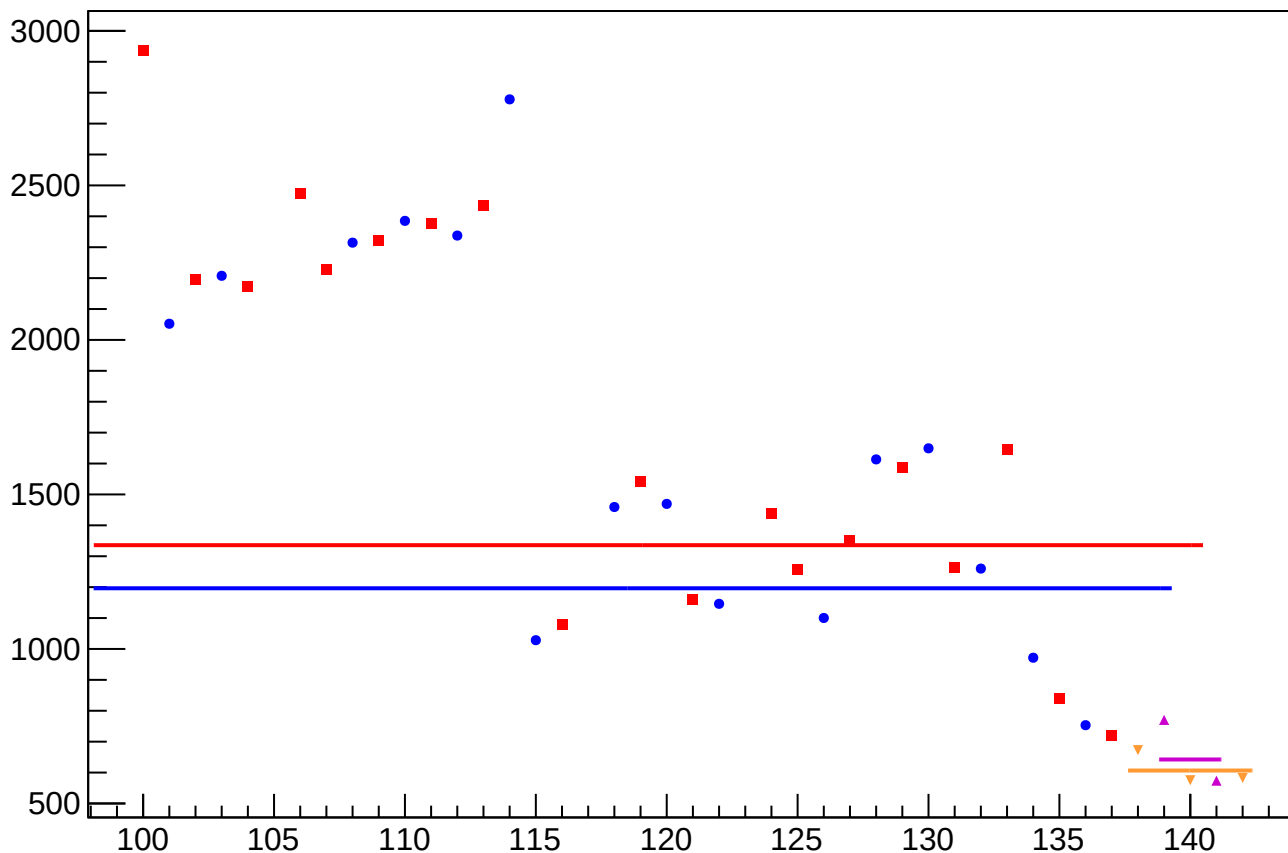
Left In: 149.066 $\pm$ 494.983 χ^2 /NDF: 0.6/1

+ sign 640.337 $\pm$ 319.716 χ^2 /NDF: 25.9/18

All: 479.630 $\pm$ 239.051 χ^2 /NDF: 40.3/39

- sign 275.882 $\pm$ 359.994 χ^2 /NDF: 13.8/20

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF : 2031710.2/15

Left Out: 606.601+/-0.302 χ^2/NDF : 20998.3/2

Right Out: 1335.809+/-0.371 χ^2/NDF : 1951472.1/18

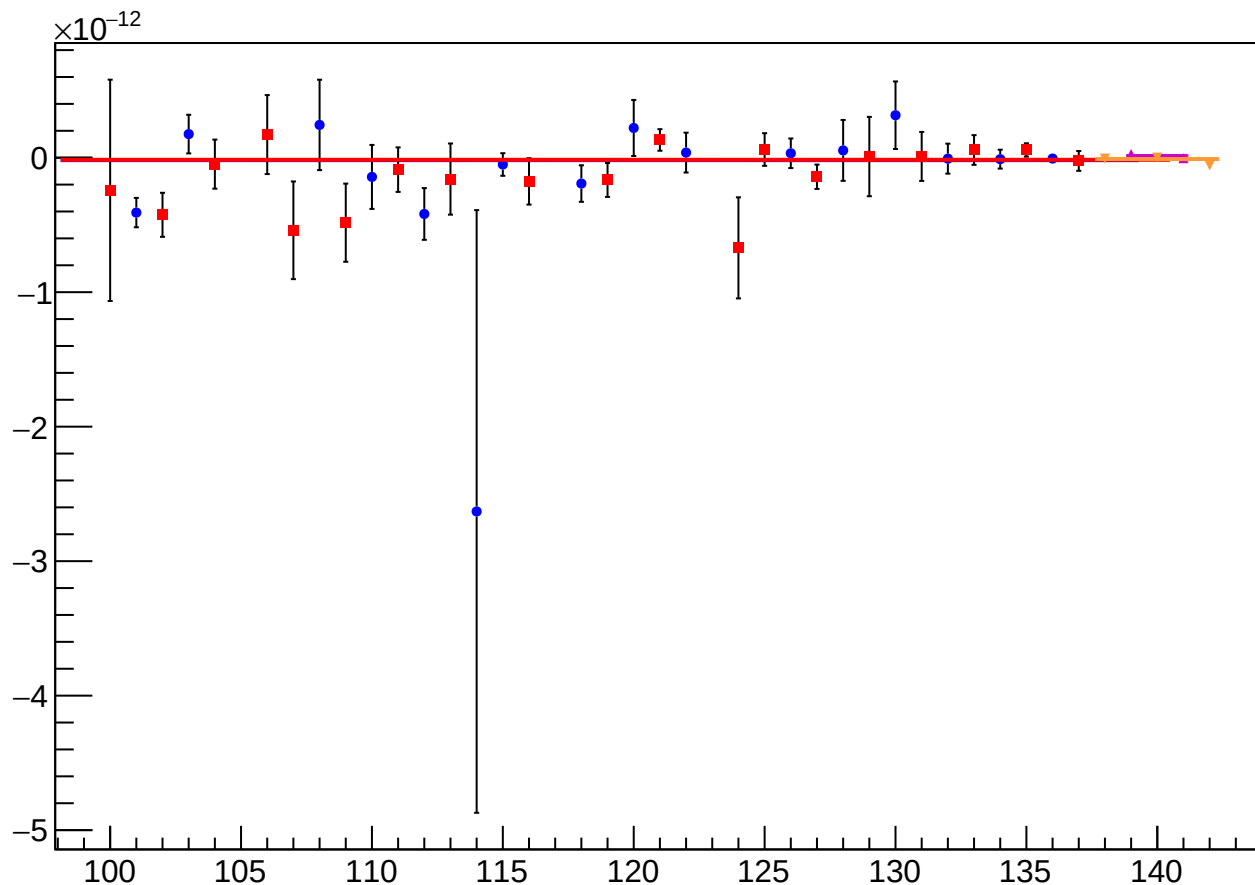
Left In: 642.354+/-0.350 χ^2/NDF : 71693.8/1

+ sign 866.126+/-0.226 χ^2/NDF : 3729548.2/18

All: 911.493+/-0.169 χ^2/NDF : 7693134.5/39

- sign 969.011+/-0.255 χ^2/NDF : 3872261.3/20

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2/NDF : 26.8/15

Left Out: -0.000 $\pm$ 0.000 χ^2/NDF : 2.0/2

Right Out: -0.000 $\pm$ 0.000 χ^2/NDF : 25.6/18

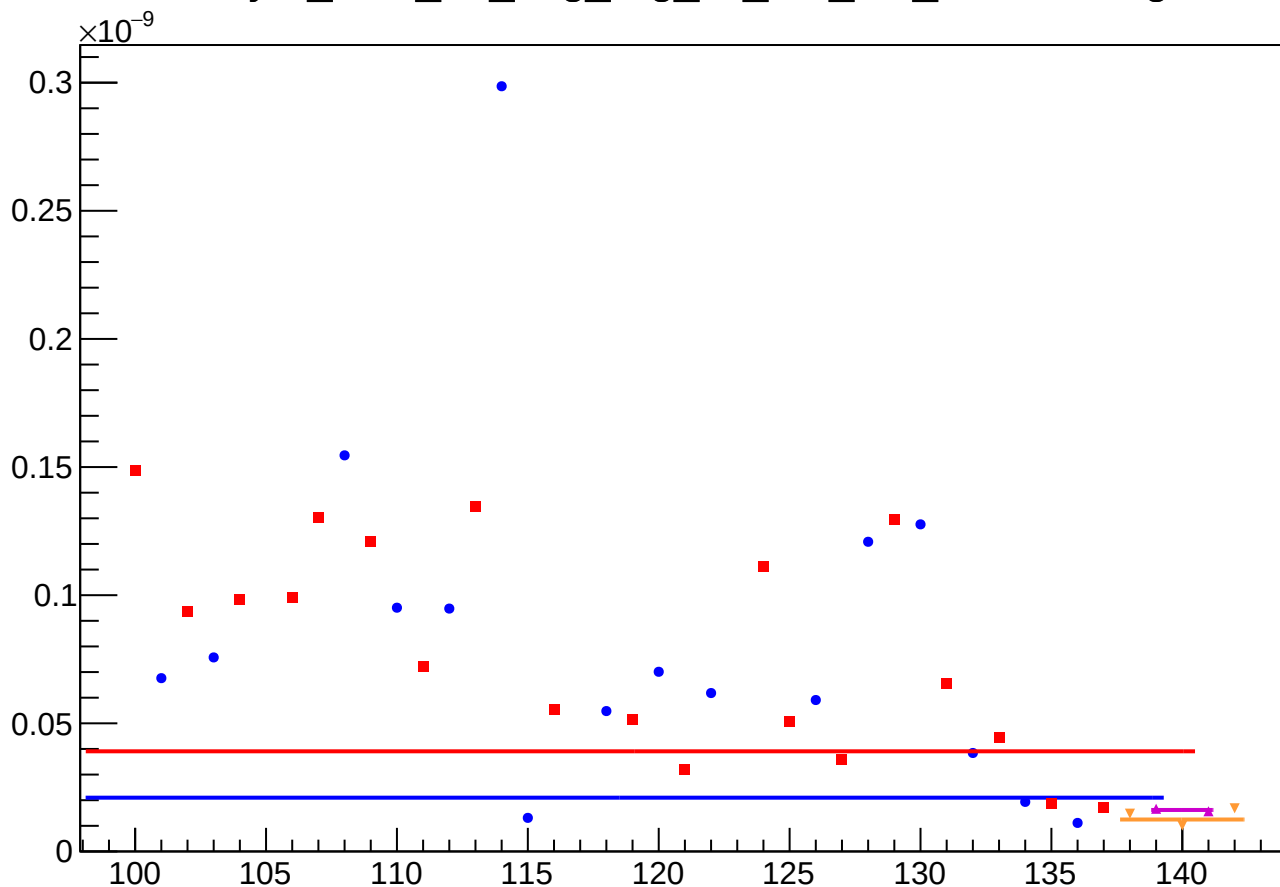
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.7/1

+ sign -0.000 $\pm$ 0.000 χ^2/NDF : 29.0/18

All: -0.000 $\pm$ 0.000 χ^2/NDF : 56.7/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 27.0/20

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3380958.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 78388.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2073862.3/18

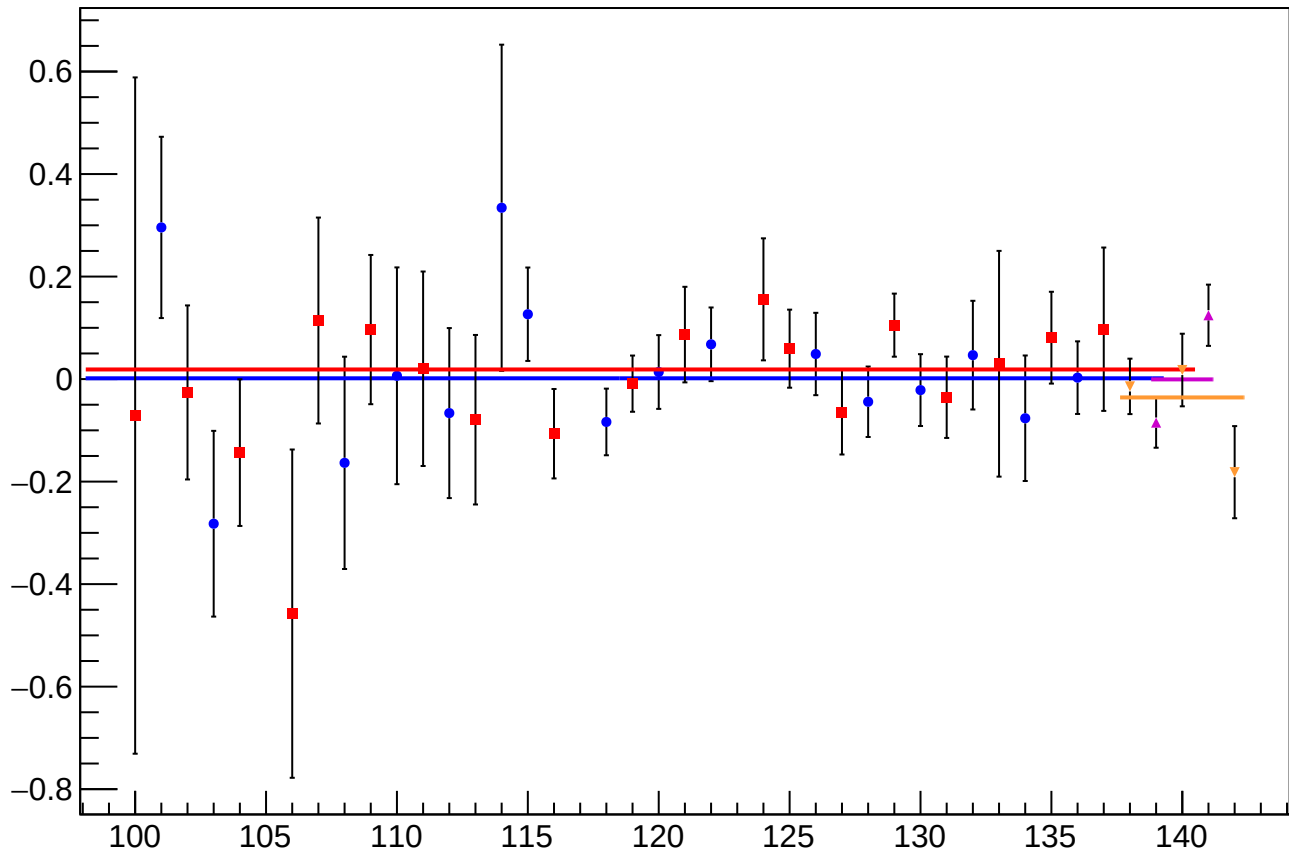
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1354.6/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3747617.1/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7105218.2/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3017124.7/20

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.023 χ^2/NDF : 13.1/15

Left Out: -0.036 ± 0.039 χ^2/NDF : 3.4/2

Right Out: 0.019 ± 0.024 χ^2/NDF : 13.1/18

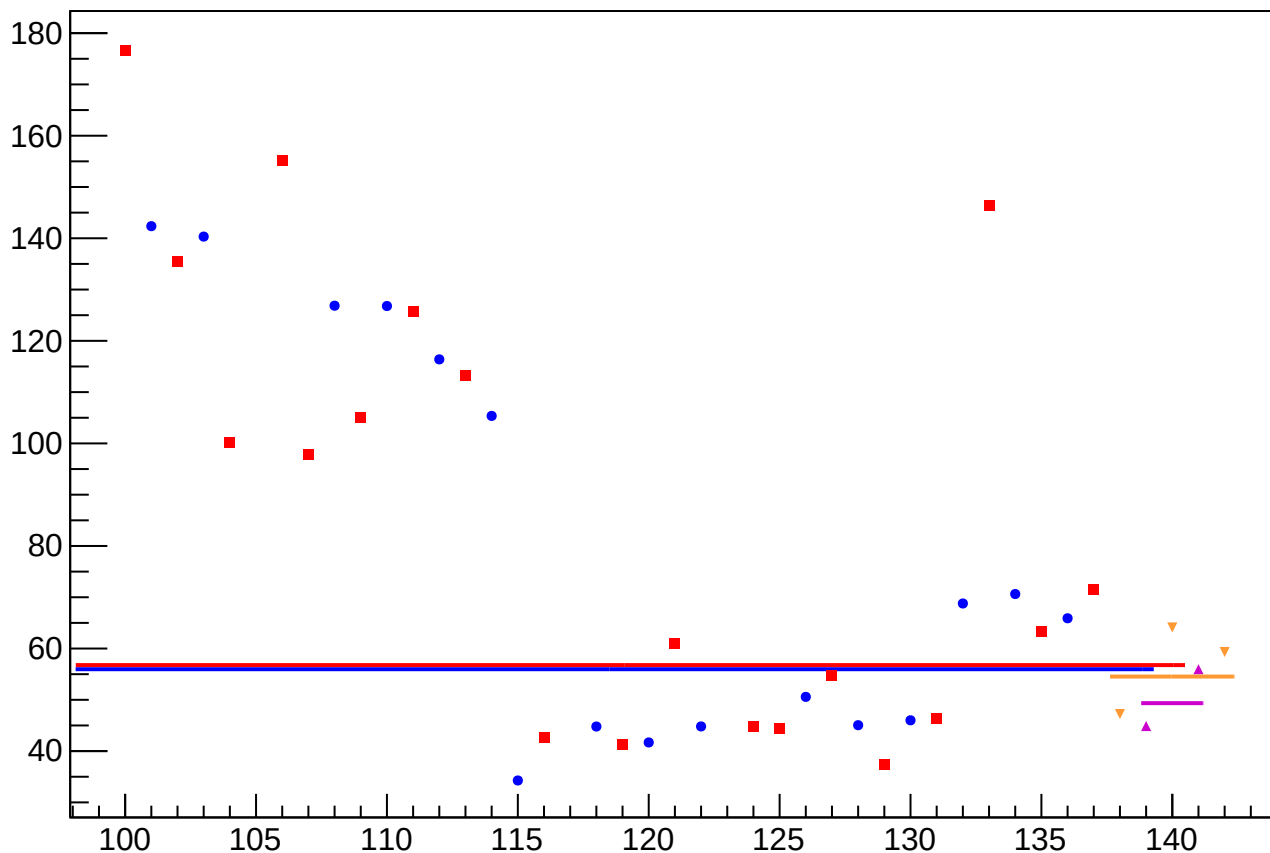
Left In: -0.001 ± 0.038 χ^2/NDF : 7.3/1

+ sign -0.008 ± 0.020 χ^2/NDF : 17.1/18

All: 0.003 ± 0.014 χ^2/NDF : 38.3/39

- sign 0.013 ± 0.020 χ^2/NDF : 20.6/20

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2 /NDF: 2179829.3/15

Left Out: 54.537+/-0.027 χ^2 /NDF: 78750.1/2

Right Out: 56.770+/-0.017 χ^2 /NDF: 2553223.5/18

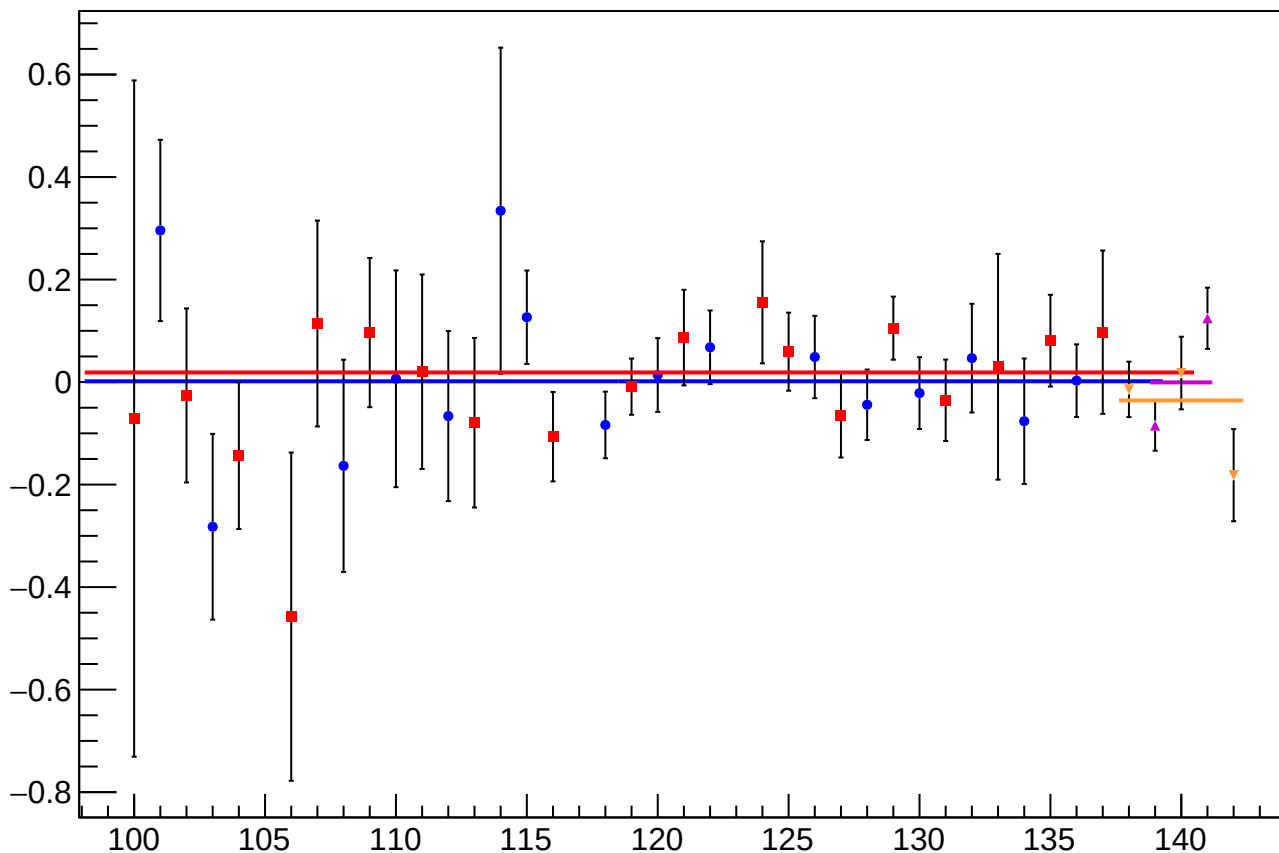
Left In: 49.348+/-0.027 χ^2 /NDF: 41051.7/1

+ sign 55.586+/-0.014 χ^2 /NDF: 2260575.2/18

All: 55.145+/-0.010 χ^2 /NDF: 4912167.6/39

- sign 54.707+/-0.014 χ^2 /NDF: 2649663.8/20

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: -0.036 ± 0.039 χ^2/NDF : 3.4/2

Right Out: 0.019 ± 0.024 χ^2/NDF : 13.1/18

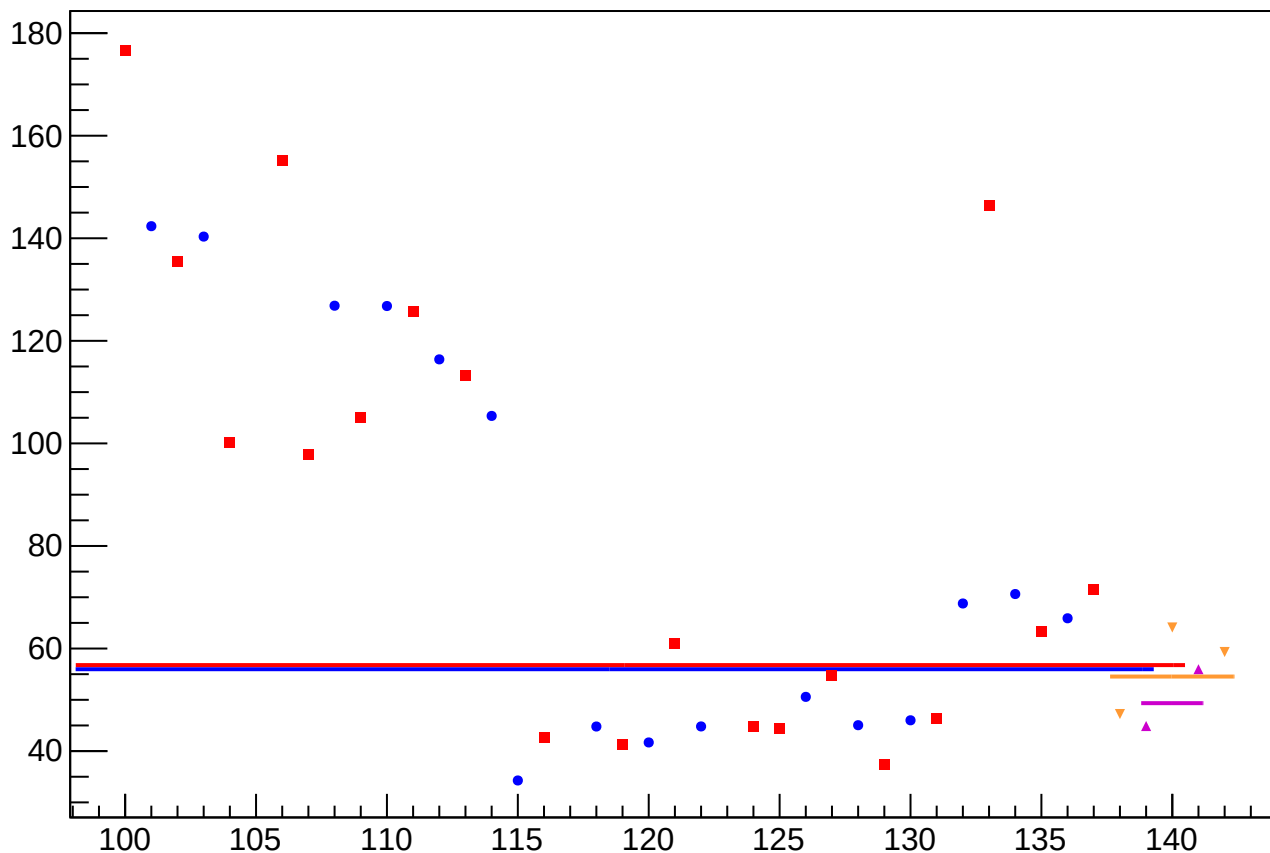
Left In: -0.001 ± 0.038 χ^2/NDF : 7.3/1

+ sign -0.008 ± 0.020 χ^2/NDF : 17.1/18

All: 0.003 ± 0.014 χ^2/NDF : 38.3/39

- sign 0.013 ± 0.020 χ^2/NDF : 20.6/20

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: 54.537 $\pm$ 0.027 χ^2 /NDF: 78750.1/2

Right Out: 56.770 $\pm$ 0.017 χ^2 /NDF: 2553223.5/18

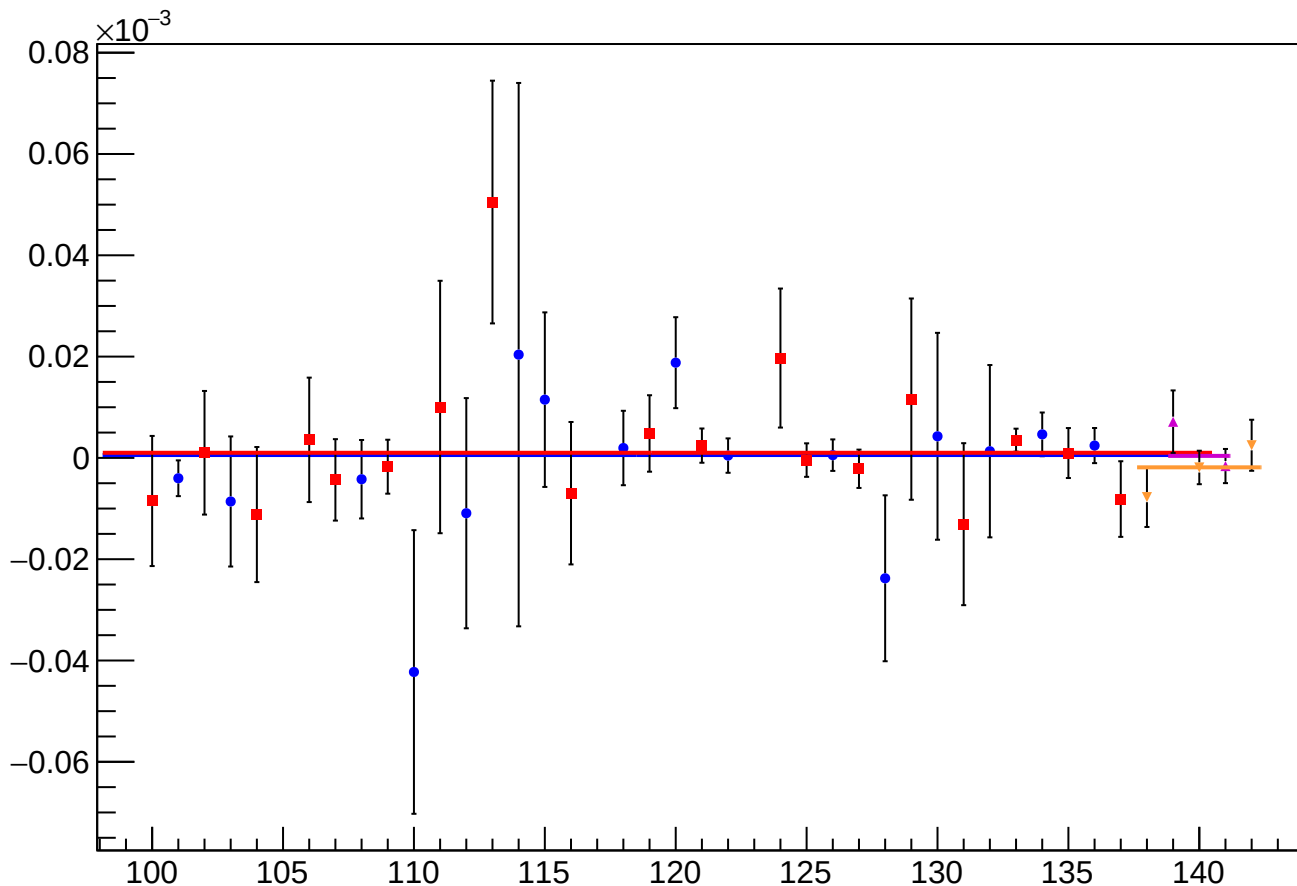
Left In: 49.348 $\pm$ 0.027 χ^2 /NDF: 41051.7/1

+ sign 55.586 $\pm$ 0.014 χ^2 /NDF: 2260575.2/18

All: 55.145 $\pm$ 0.010 χ^2 /NDF: 4912167.6/39

- sign 54.707 $\pm$ 0.014 χ^2 /NDF: 2649663.8/20

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 13.3/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.7/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.8/18

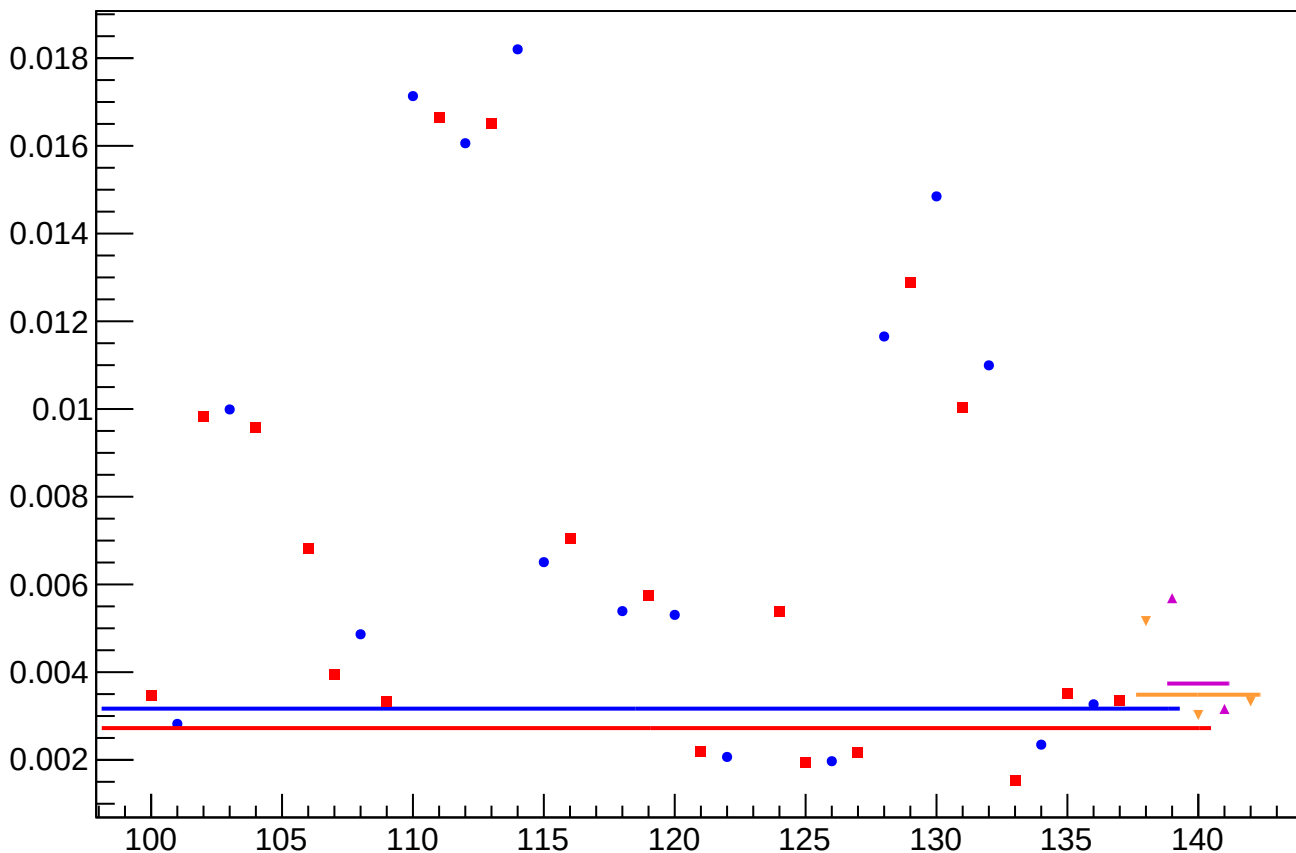
Left In: 0.000 ± 0.000 χ^2/NDF : 1.5/1

+ sign -0.000 ± 0.000 χ^2/NDF : 15.7/18

All: 0.000 ± 0.000 χ^2/NDF : 31.4/39

- sign 0.000 ± 0.000 χ^2/NDF : 15.4/20

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 : 203144.9/2

Right Out: 0.003+/-0.000 χ^2/NDF : 5153213.6/18

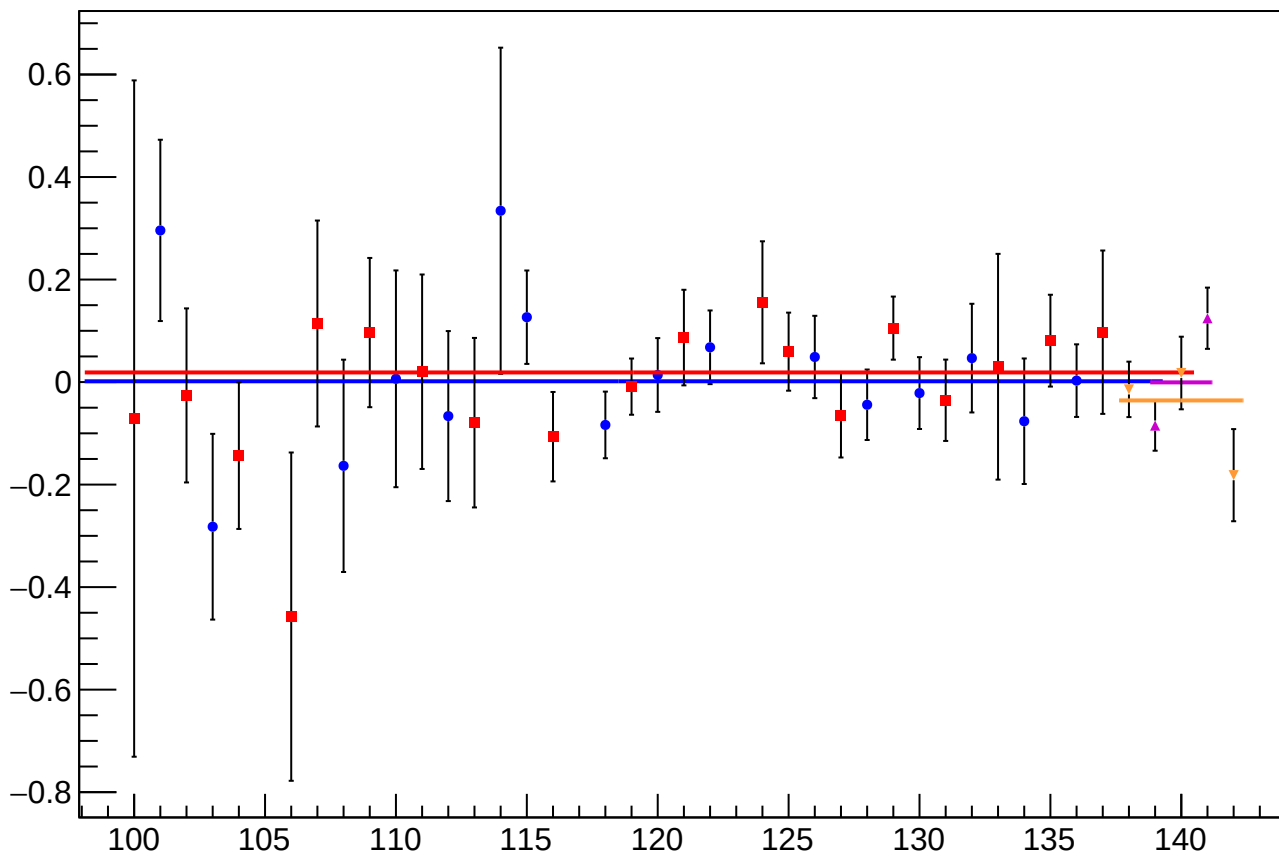
Left In: 0.004+/-0.000 χ^2/NDF : 257261.9/1

+ sign 0.003+/-0.000 χ^2/NDF : 4772919.6/18

All: 0.003+/-0.000 χ^2/NDF : 10472435.5/39

- sign 0.003+/-0.000 χ^2/NDF : 5609007.0/20

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.023 χ^2/NDF : 13.1/15

Left Out: -0.036 ± 0.039 χ^2/NDF : 3.4/2

Right Out: 0.019 ± 0.024 χ^2/NDF : 13.1/18

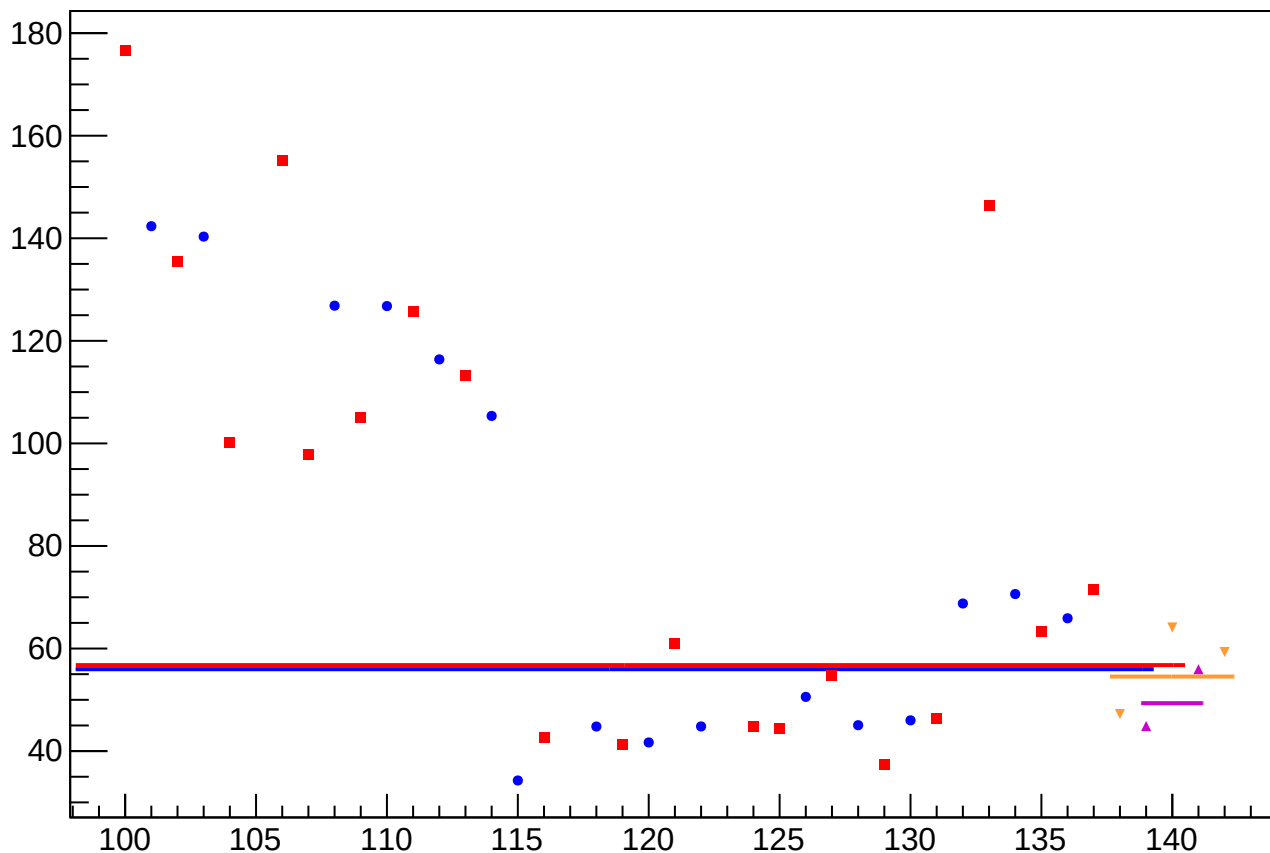
Left In: -0.001 ± 0.038 χ^2/NDF : 7.3/1

+ sign -0.008 ± 0.020 χ^2/NDF : 17.1/18

All: 0.003 ± 0.014 χ^2/NDF : 38.3/39

- sign 0.013 ± 0.020 χ^2/NDF : 20.6/20

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: 54.537 $\pm$ 0.027 χ^2 /NDF: 78758.2/2

Right Out: 56.770 $\pm$ 0.017 χ^2 /NDF: 2553168.3/18

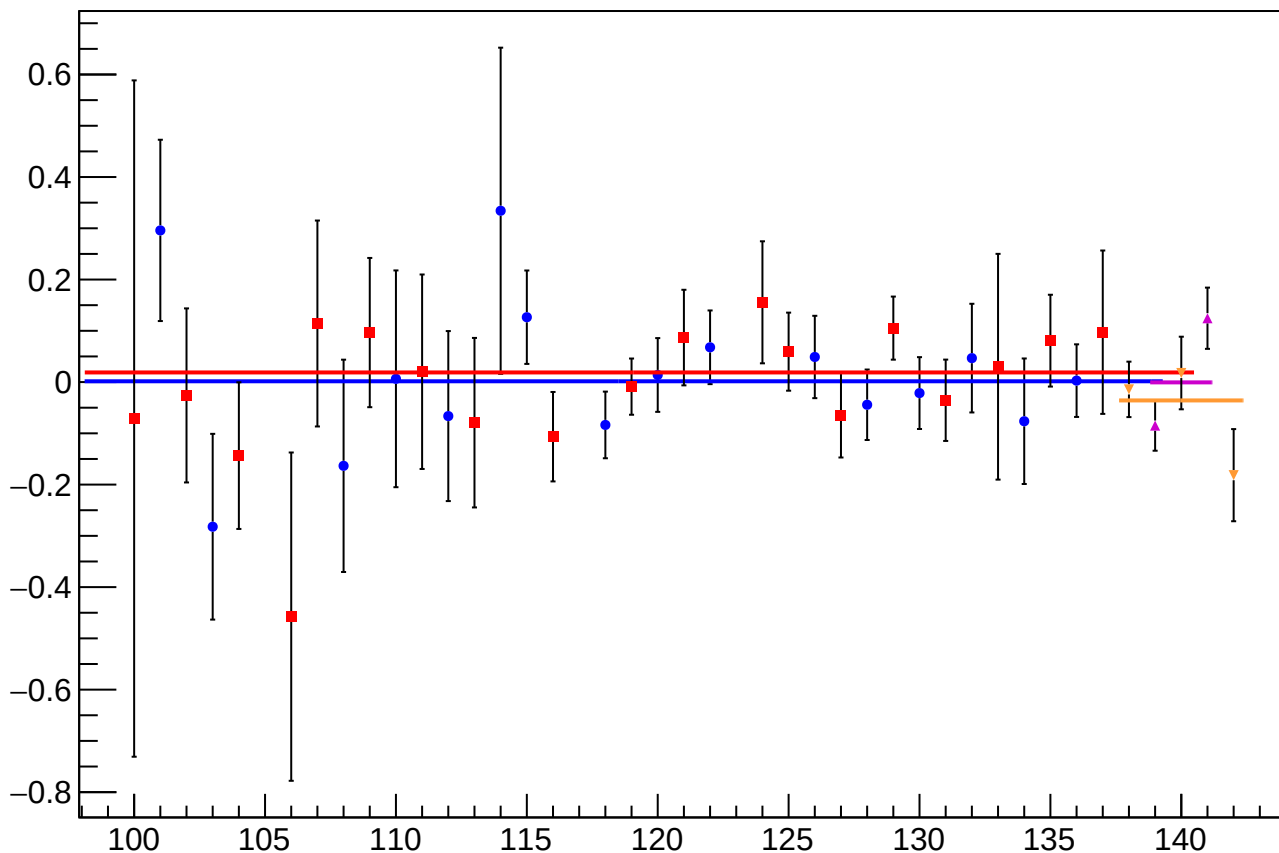
Left In: 49.349 $\pm$ 0.027 χ^2 /NDF: 41056.9/1

+ sign 55.586 $\pm$ 0.014 χ^2 /NDF: 2260511.1/18

All: 55.145 $\pm$ 0.010 χ^2 /NDF: 4912035.5/39

- sign 54.707 $\pm$ 0.014 χ^2 /NDF: 2649596.3/20

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: -0.036 $\pm$ 0.039 χ^2 /NDF: 3.4/2

Right Out: 0.019 $\pm$ 0.024 χ^2 /NDF: 13.1/18

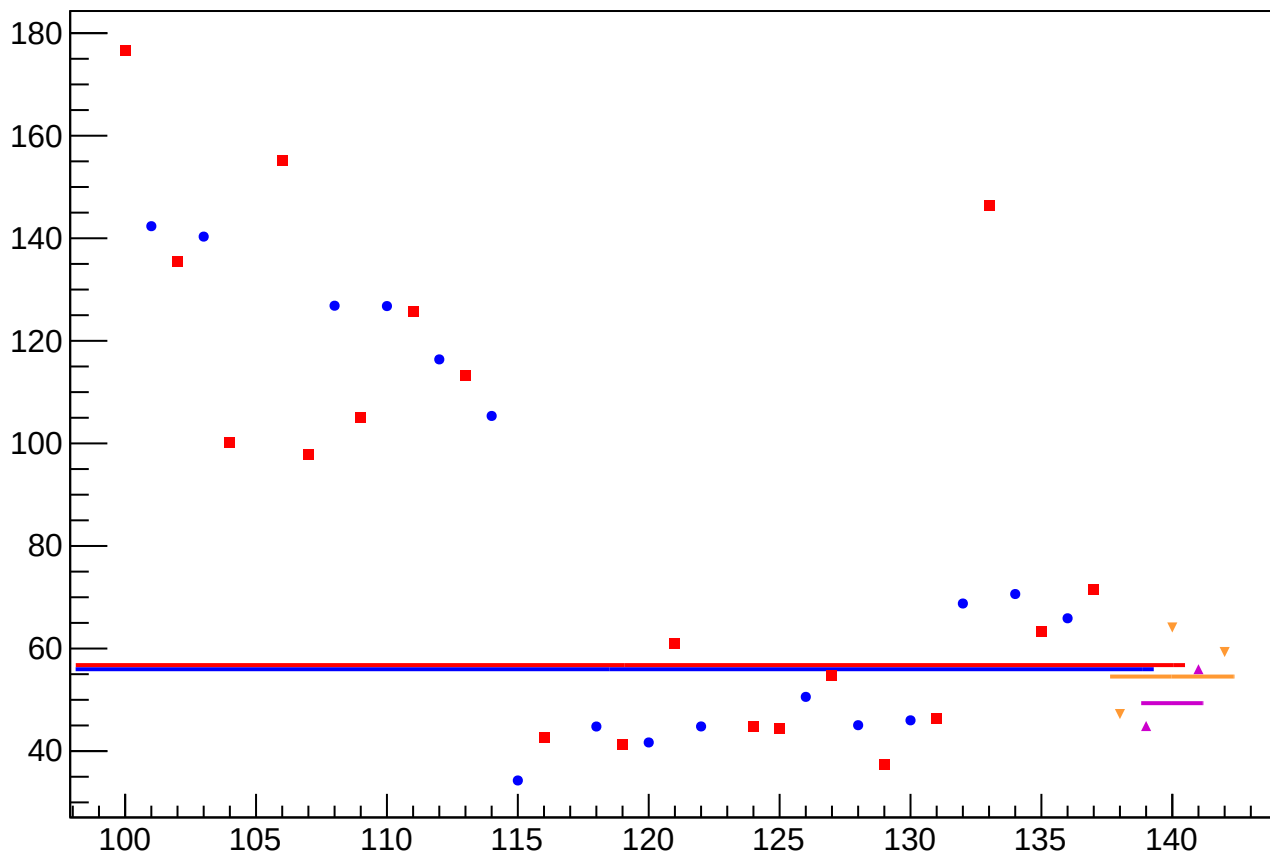
Left In: -0.001 $\pm$ 0.038 χ^2 /NDF: 7.3/1

+ sign -0.008 $\pm$ 0.020 χ^2 /NDF: 17.1/18

All: 0.003 $\pm$ 0.014 χ^2 /NDF: 38.3/39

- sign 0.013 $\pm$ 0.020 χ^2 /NDF: 20.6/20

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF : 2179757.6/15

Left Out: 54.537+/-0.027 χ^2/NDF : 78758.2/2

Right Out: 56.770+/-0.017 χ^2/NDF : 2553168.3/18

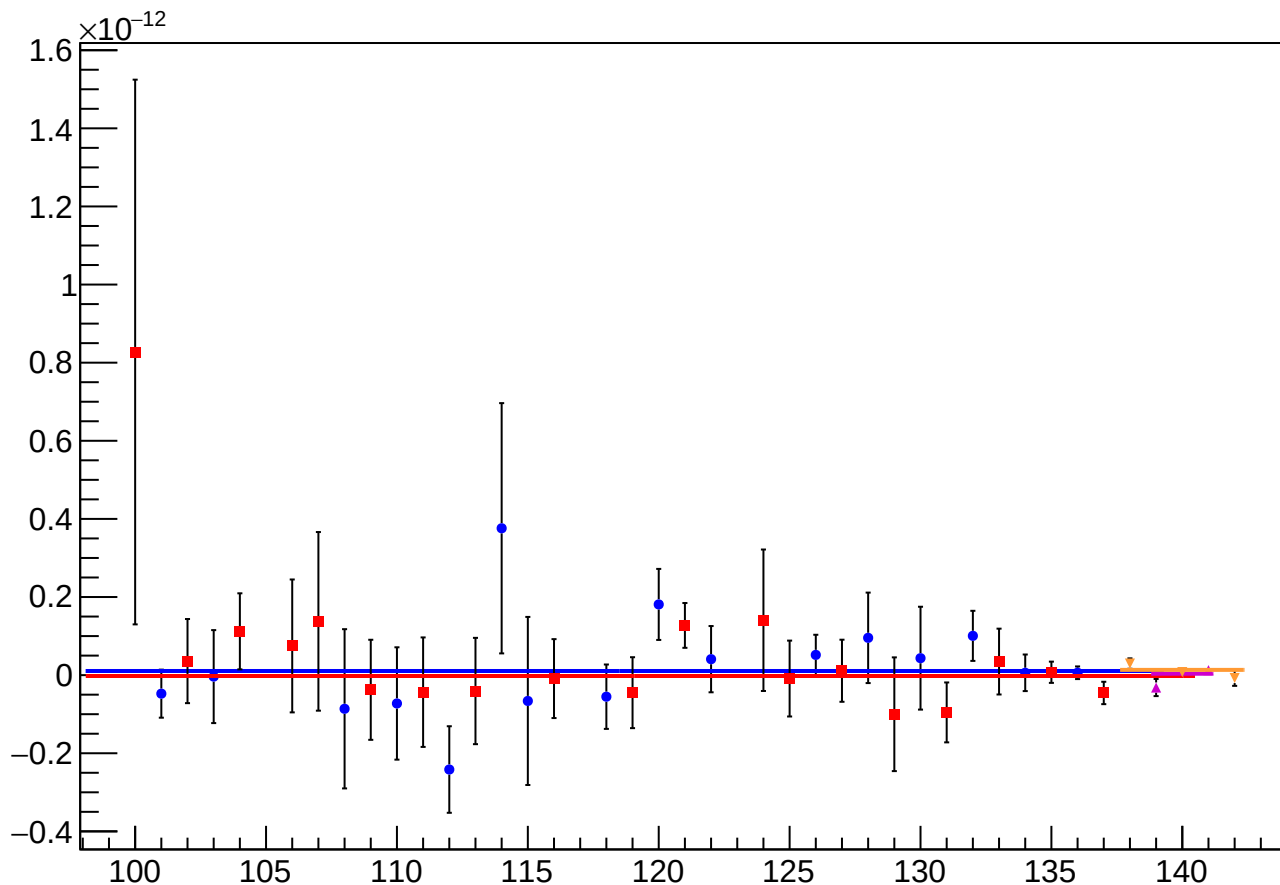
Left In: 49.349+/-0.027 χ^2/NDF : 41056.9/1

+ sign 55.586+/-0.014 χ^2/NDF : 2260511.1/18

All: 55.145+/-0.010 χ^2/NDF : 4912035.5/39

- sign 54.707+/-0.014 χ^2/NDF : 2649596.3/20

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 : 2.8/2

Right Out: -0.000+/-0.000 χ^2/NDF : 14.3/18

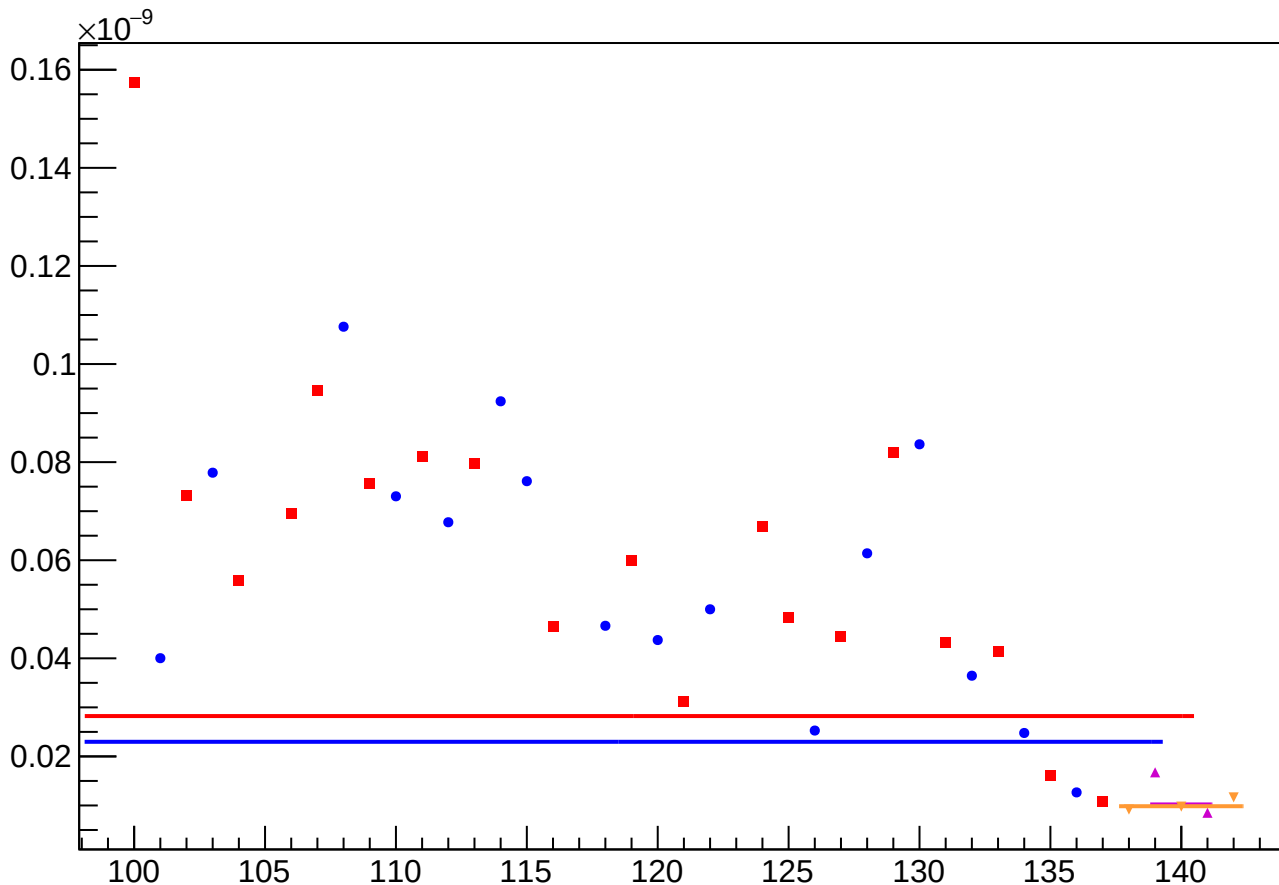
Left In: 0.000+/-0.000 χ^2/NDF : 3.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 18.5/18

All: 0.000+/-0.000 χ^2/NDF : 37.1/39

- sign 0.000+/-0.000 χ^2/NDF : 17.6/20

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 : 21548.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3820523.4/18

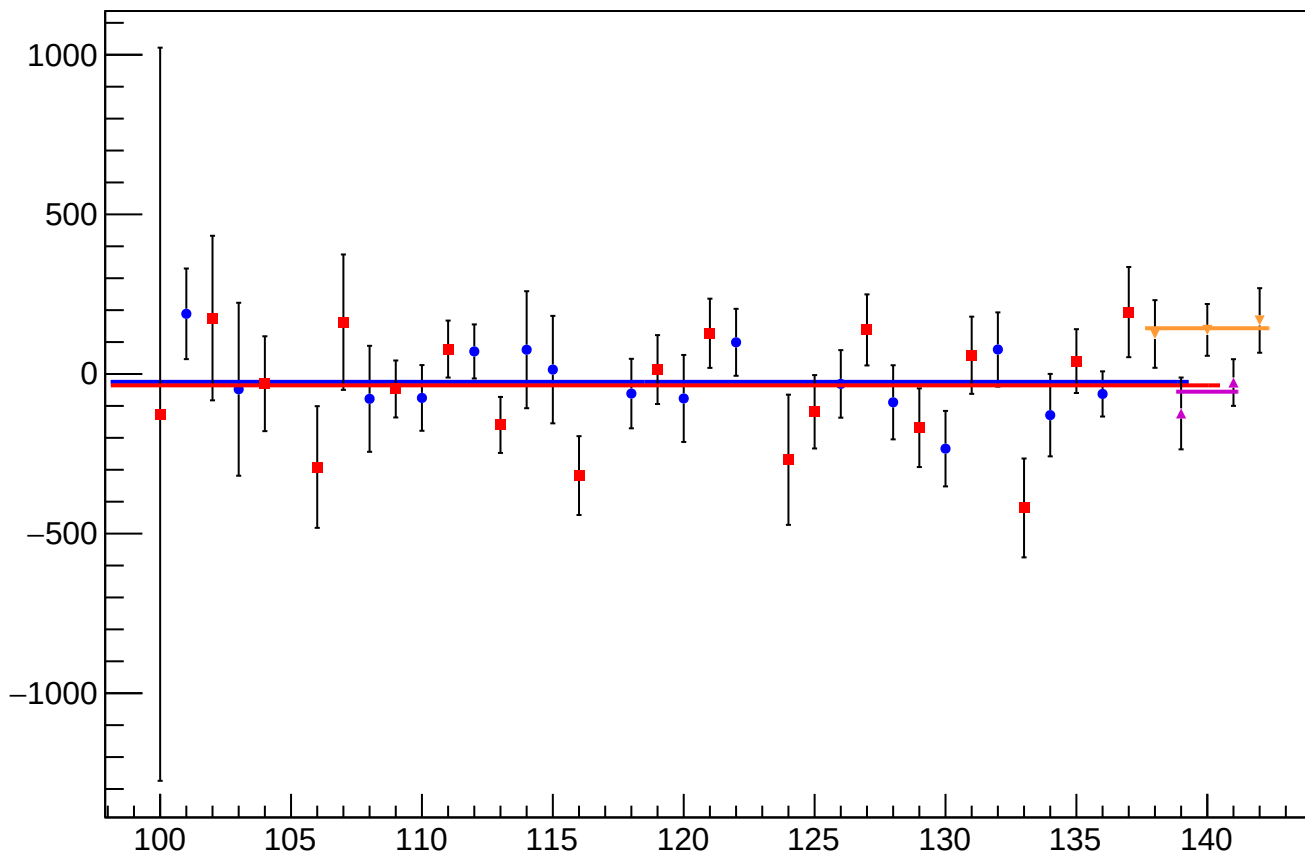
Left In: 0.000+/-0.000 χ^2/NDF : 224968.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 5231059.9/18

All: 0.000+/-0.000 χ^2/NDF : 11255158.9/39

- sign 0.000+/-0.000 χ^2/NDF : 5960723.2/20

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 143.323 ± 54.329 χ^2/NDF : 0.1/2

Right Out: -35.582 ± 28.454 χ^2/NDF : 30.1/18

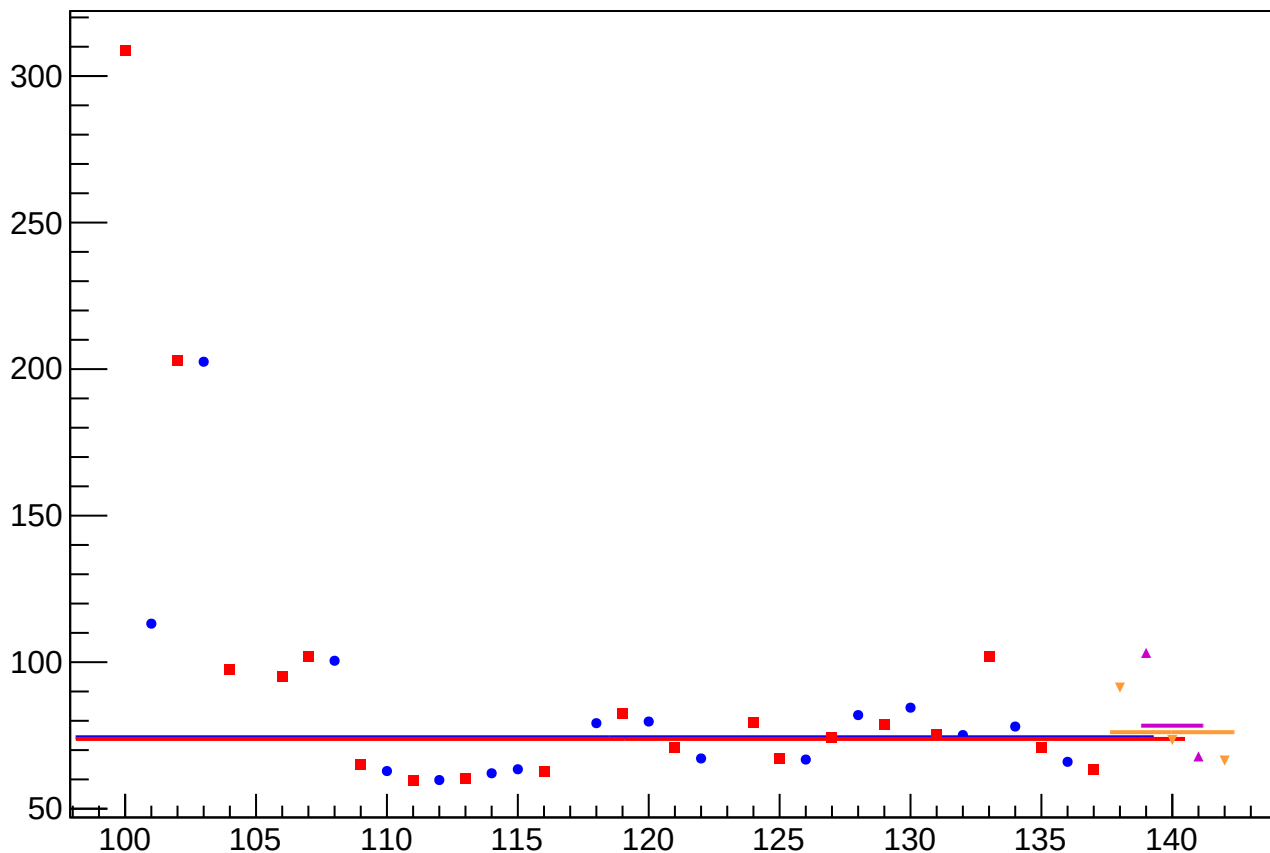
Left In: -55.483 ± 61.307 χ^2/NDF : 0.5/1

+ sign 12.437 ± 25.523 χ^2/NDF : 18.6/18

All: -13.049 ± 18.148 χ^2/NDF : 51.3/39

- sign -39.109 ± 25.810 χ^2/NDF : 30.7/20

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369 $\pm$ 0.020 χ^2 /NDF: 827583.1/15

Left Out: 76.115 $\pm$ 0.038 χ^2 /NDF: 61726.1/2

Right Out: 73.815 $\pm$ 0.020 χ^2 /NDF: 931949.0/18

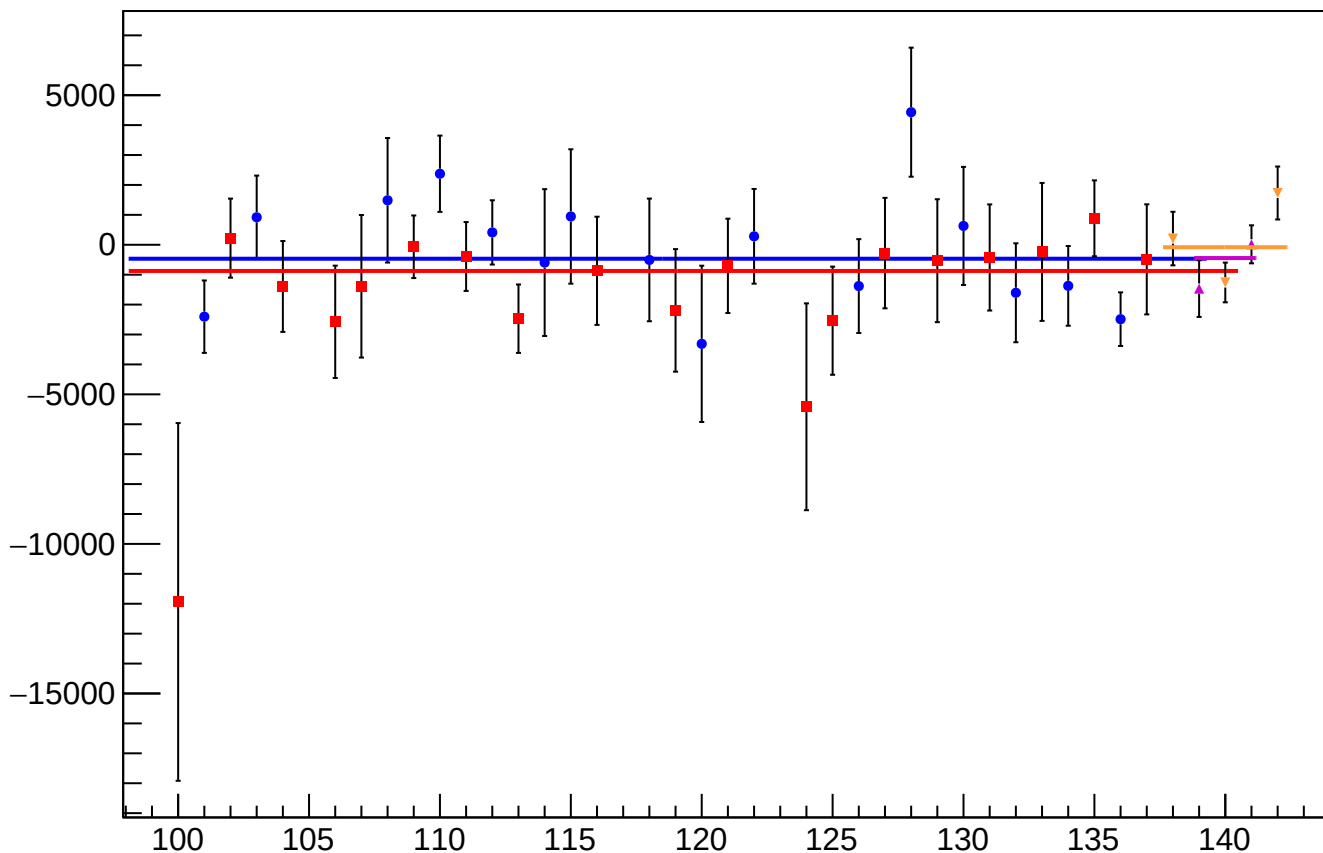
Left In: 78.336 $\pm$ 0.043 χ^2 /NDF: 138533.9/1

+ sign 74.754 $\pm$ 0.018 χ^2 /NDF: 890919.8/18

All: 74.686 $\pm$ 0.013 χ^2 /NDF: 1970381.4/39

- sign 74.616 $\pm$ 0.018 χ^2 /NDF: 1079432.7/20

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -466.524 ± 375.030 χ^2/NDF : 23.7/15

Left Out: -81.738 ± 456.661 χ^2/NDF : 7.4/2

Right Out: -875.351 ± 372.239 χ^2/NDF : 13.1/18

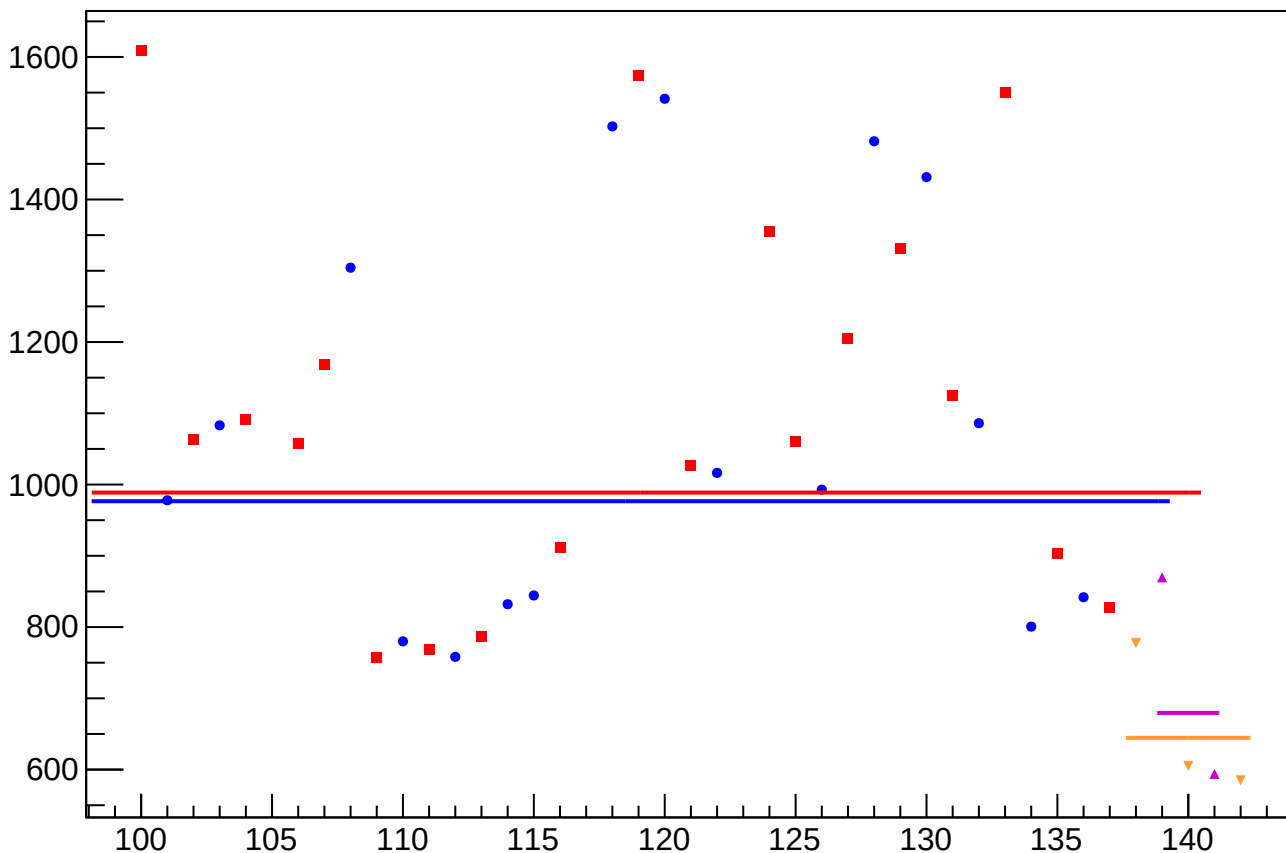
Left In: -444.049 ± 527.854 χ^2/NDF : 1.7/1

+ sign -311.538 ± 289.822 χ^2/NDF : 31.6/18

All: -511.643 ± 209.836 χ^2/NDF : 47.8/39

- sign -732.103 ± 304.206 χ^2/NDF : 15.2/20

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583 $\pm$ 0.265 χ^2 /NDF: 736605.1/15

Left Out: 644.562 $\pm$ 0.323 χ^2 /NDF: 60203.9/2

Right Out: 988.763 $\pm$ 0.263 χ^2 /NDF: 715703.4/18

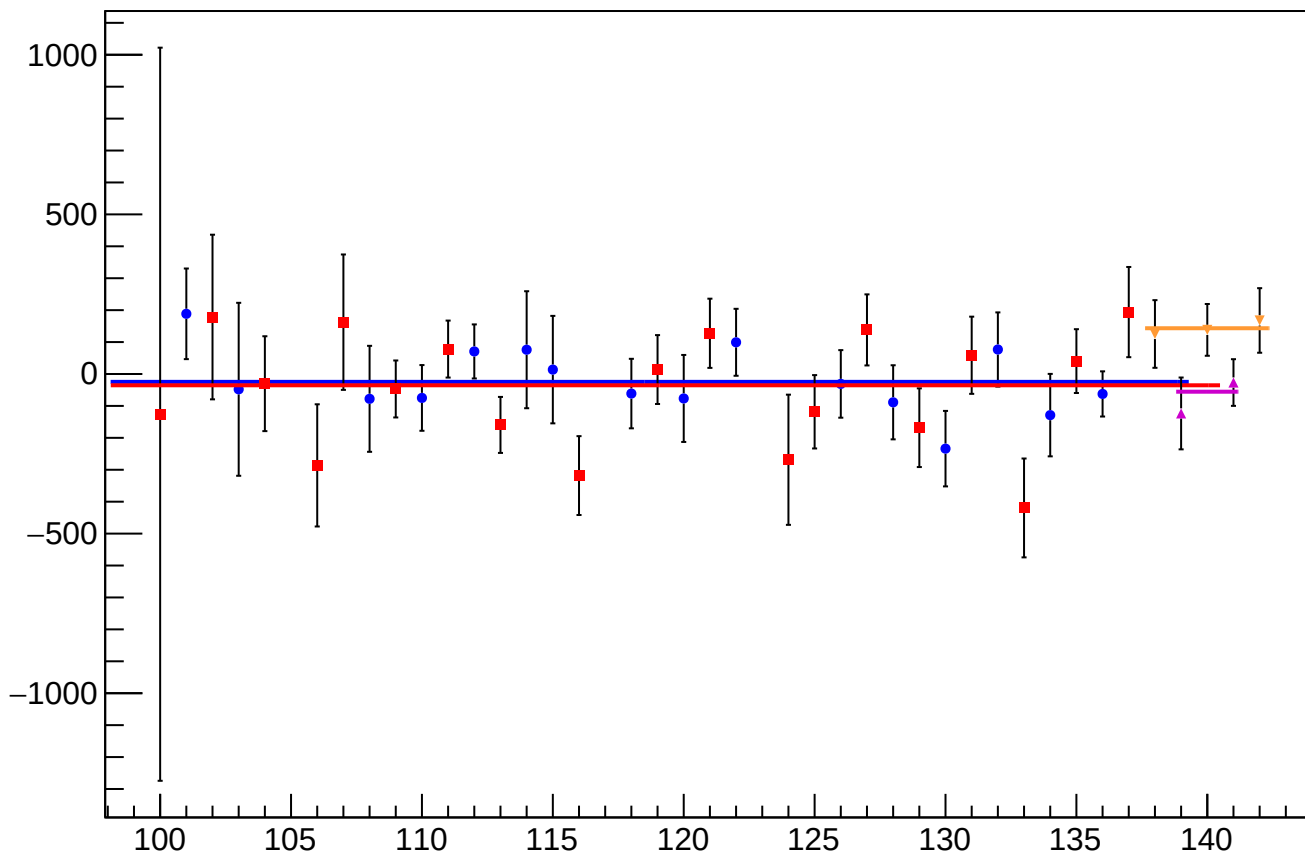
Left In: 679.566 $\pm$ 0.373 χ^2 /NDF: 116839.3/1

+ sign 842.849 $\pm$ 0.205 χ^2 /NDF: 1428205.5/18

All: 863.414 $\pm$ 0.148 χ^2 /NDF: 2740227.1/39

- sign 886.070 $\pm$ 0.215 χ^2 /NDF: 1290859.3/20

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 143.330 ± 54.329 χ^2/NDF : 0.1/2

Right Out: -35.383 ± 28.457 χ^2/NDF : 30.0/18

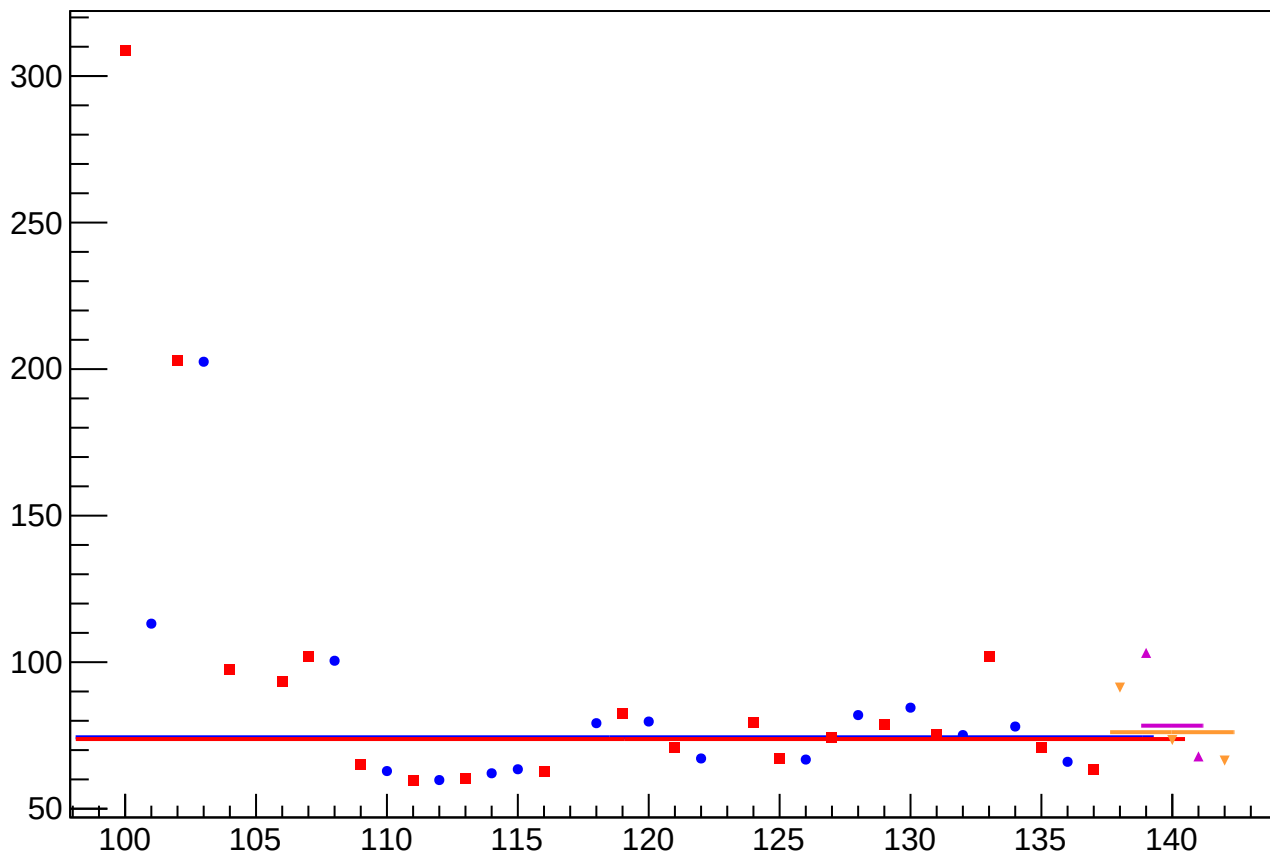
Left In: -55.483 ± 61.307 χ^2/NDF : 0.5/1

+ sign 12.432 ± 25.523 χ^2/NDF : 18.6/18

All: -12.968 ± 18.149 χ^2/NDF : 51.2/39

- sign -38.946 ± 25.812 χ^2/NDF : 30.6/20

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369 $\pm$ 0.020 χ^2 /NDF: 827585.2/15

Left Out: 76.115 $\pm$ 0.038 χ^2 /NDF: 61726.1/2

Right Out: 73.773 $\pm$ 0.020 χ^2 /NDF: 928163.8/18

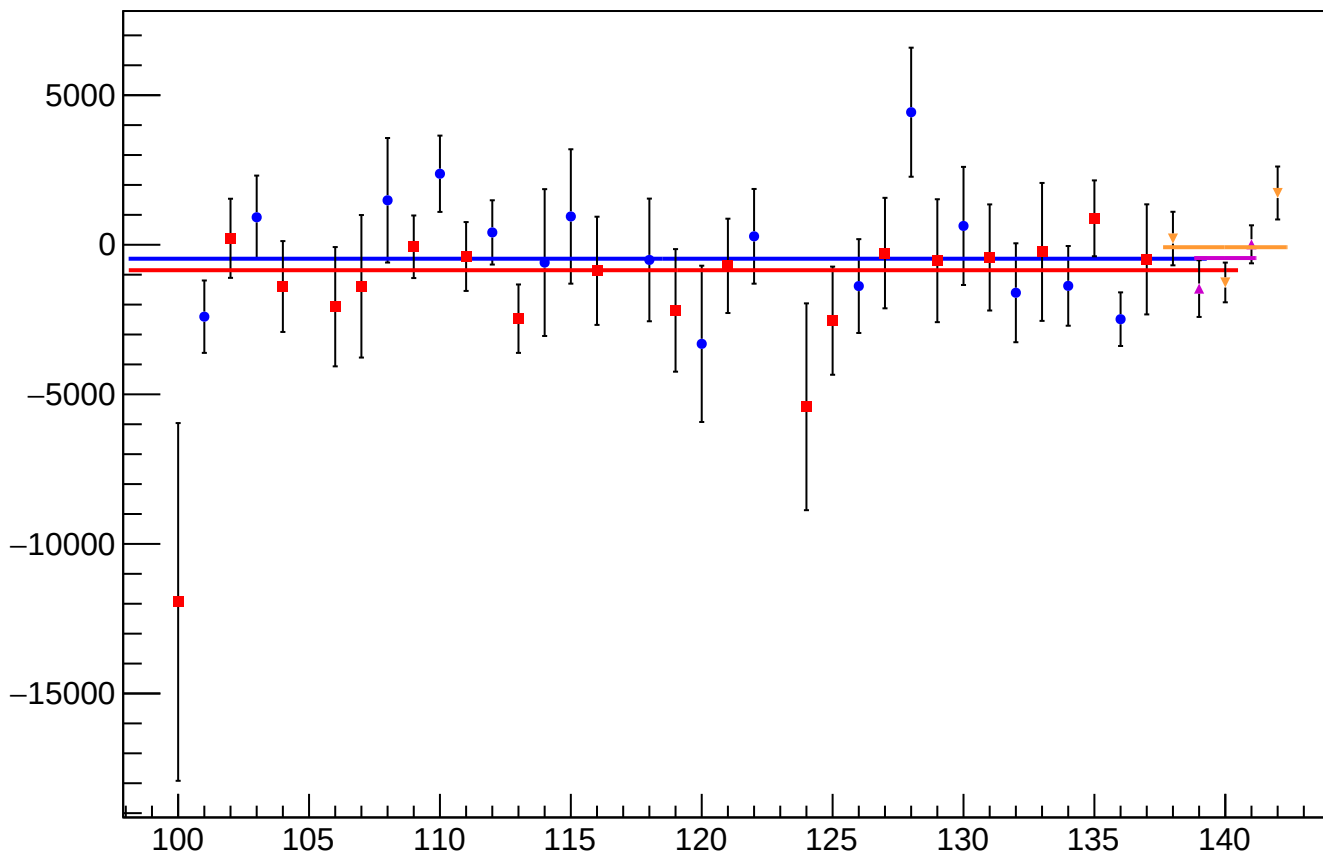
Left In: 78.336 $\pm$ 0.043 χ^2 /NDF: 138533.9/1

+ sign 74.754 $\pm$ 0.018 χ^2 /NDF: 890921.9/18

All: 74.669 $\pm$ 0.013 χ^2 /NDF: 1966780.7/39

- sign 74.582 $\pm$ 0.018 χ^2 /NDF: 1075813.7/20

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -466.511 ± 375.033 χ^2/NDF : 23.7/15

Left Out: -81.722 ± 456.661 χ^2/NDF : 7.4/2

Right Out: -850.757 ± 373.092 χ^2/NDF : 12.6/18

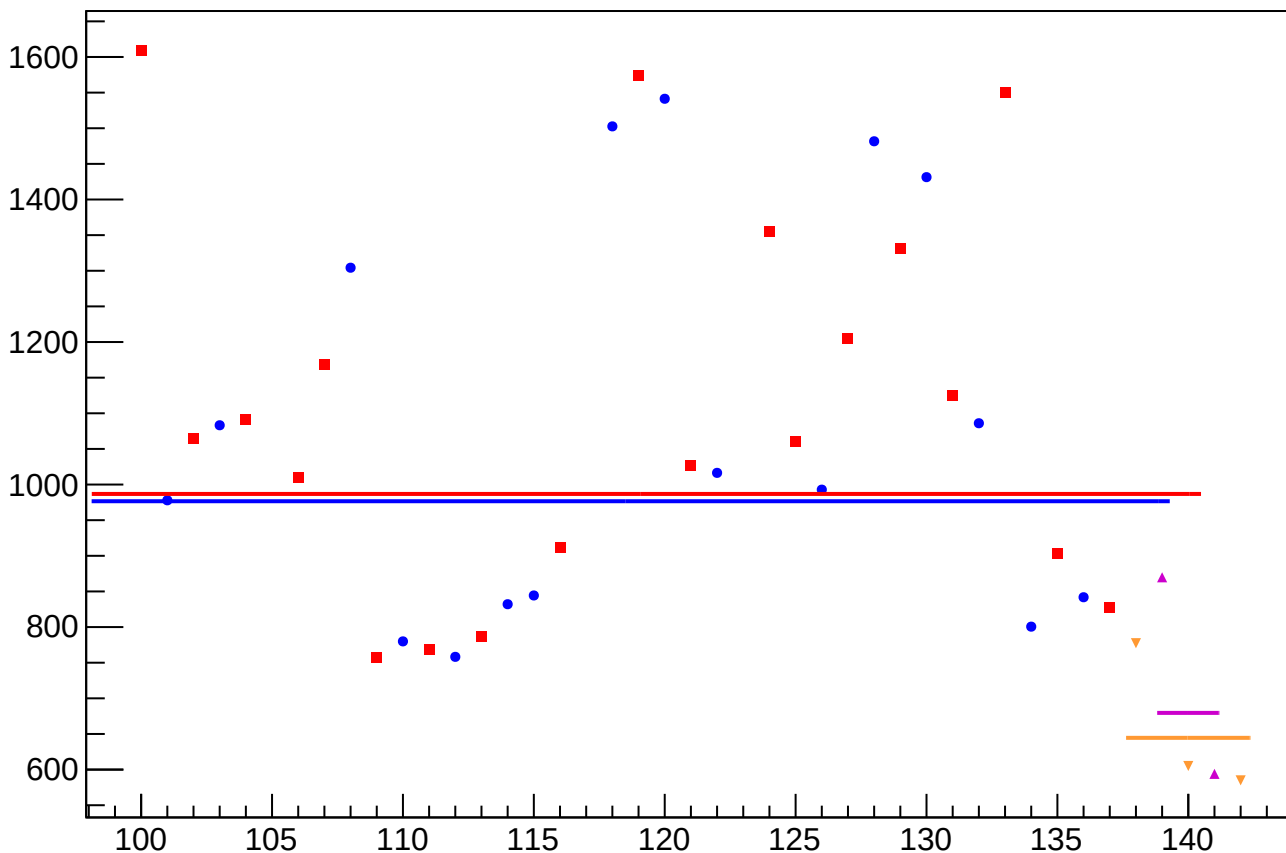
Left In: -444.051 ± 527.855 χ^2/NDF : 1.7/1

+ sign -311.521 ± 289.823 χ^2/NDF : 31.6/18

All: -503.315 ± 209.989 χ^2/NDF : 47.2/39

- sign -715.265 ± 304.671 χ^2/NDF : 14.7/20

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF : 736628.5/15

Left Out: 644.561+/-0.323 χ^2/NDF : 60203.9/2

Right Out: 986.823+/-0.264 χ^2/NDF : 713316.0/18

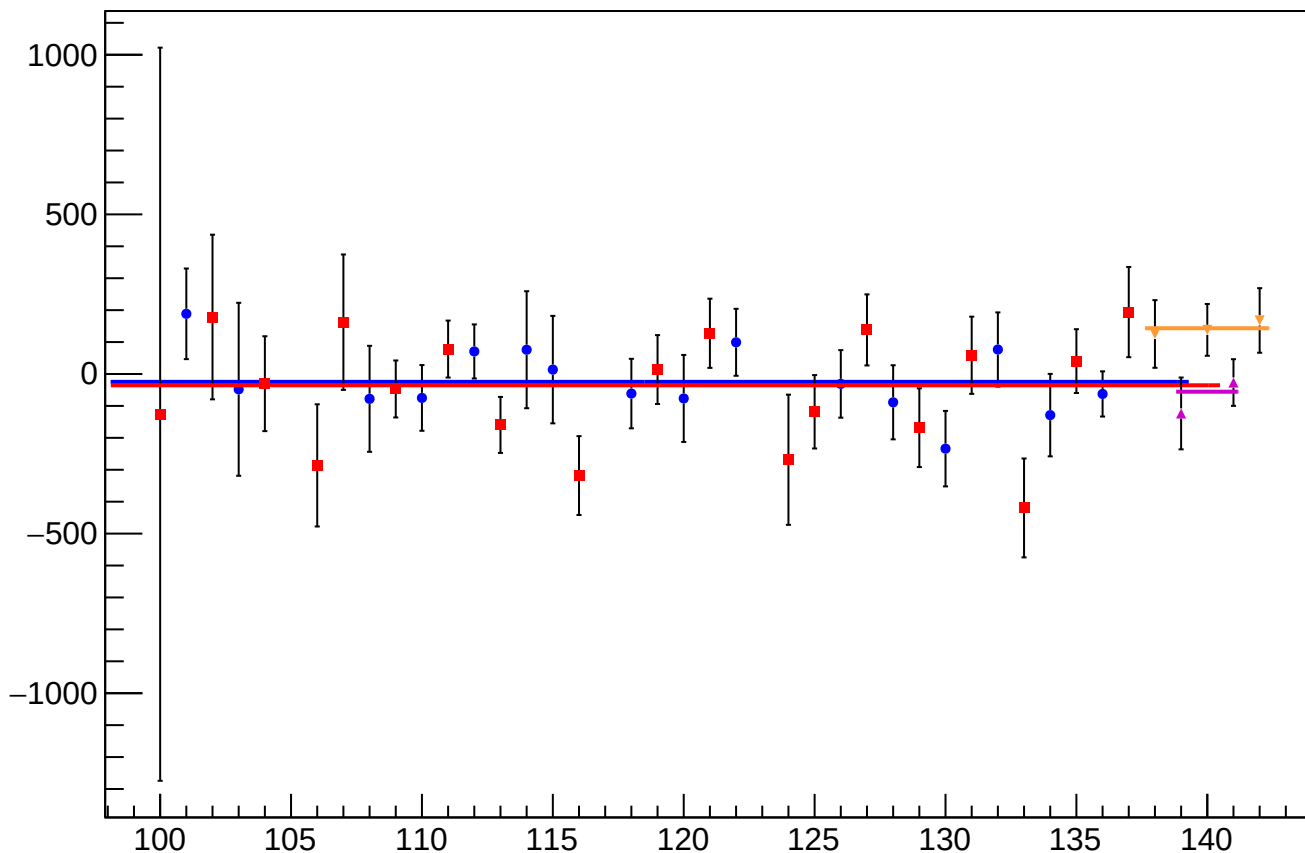
Left In: 679.567+/-0.373 χ^2/NDF : 116837.9/1

+ sign 842.851+/-0.205 χ^2/NDF : 1428251.6/18

All: 862.618+/-0.148 χ^2/NDF : 2729881.0/39

- sign 884.462+/-0.215 χ^2/NDF : 1282045.1/20

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640 ± 28.913 χ^2/NDF : 11.0/15

Left Out: 143.330 ± 54.329 χ^2/NDF : 0.1/2

Right Out: -35.383 ± 28.457 χ^2/NDF : 30.0/18

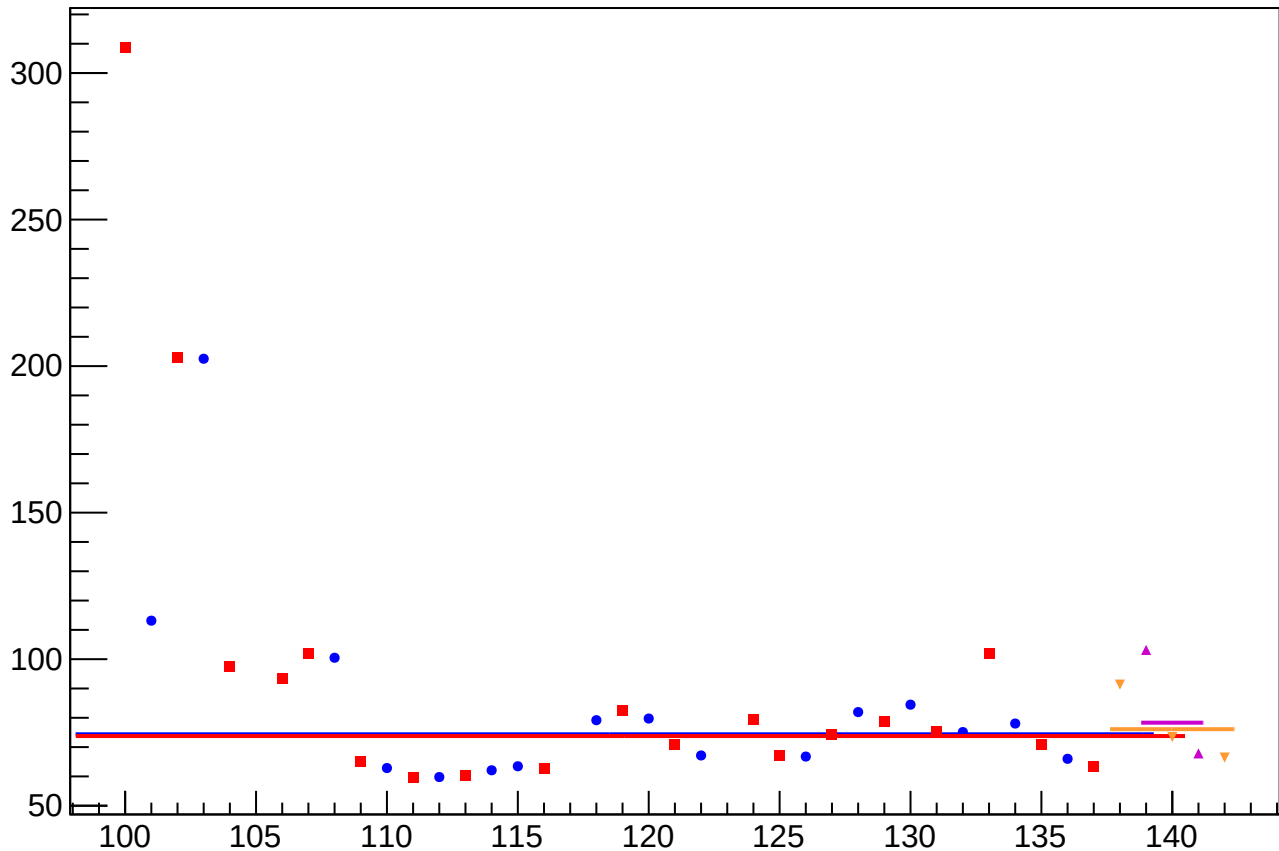
Left In: -55.483 ± 61.307 χ^2/NDF : 0.5/1

+ sign 12.432 ± 25.523 χ^2/NDF : 18.6/18

All: -12.968 ± 18.149 χ^2/NDF : 51.2/39

- sign -38.946 ± 25.812 χ^2/NDF : 30.6/20

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369 $\pm$ 0.020 χ^2 /NDF: 827585.2/15

Left Out: 76.115 $\pm$ 0.038 χ^2 /NDF: 61726.1/2

Right Out: 73.773 $\pm$ 0.020 χ^2 /NDF: 928163.8/18

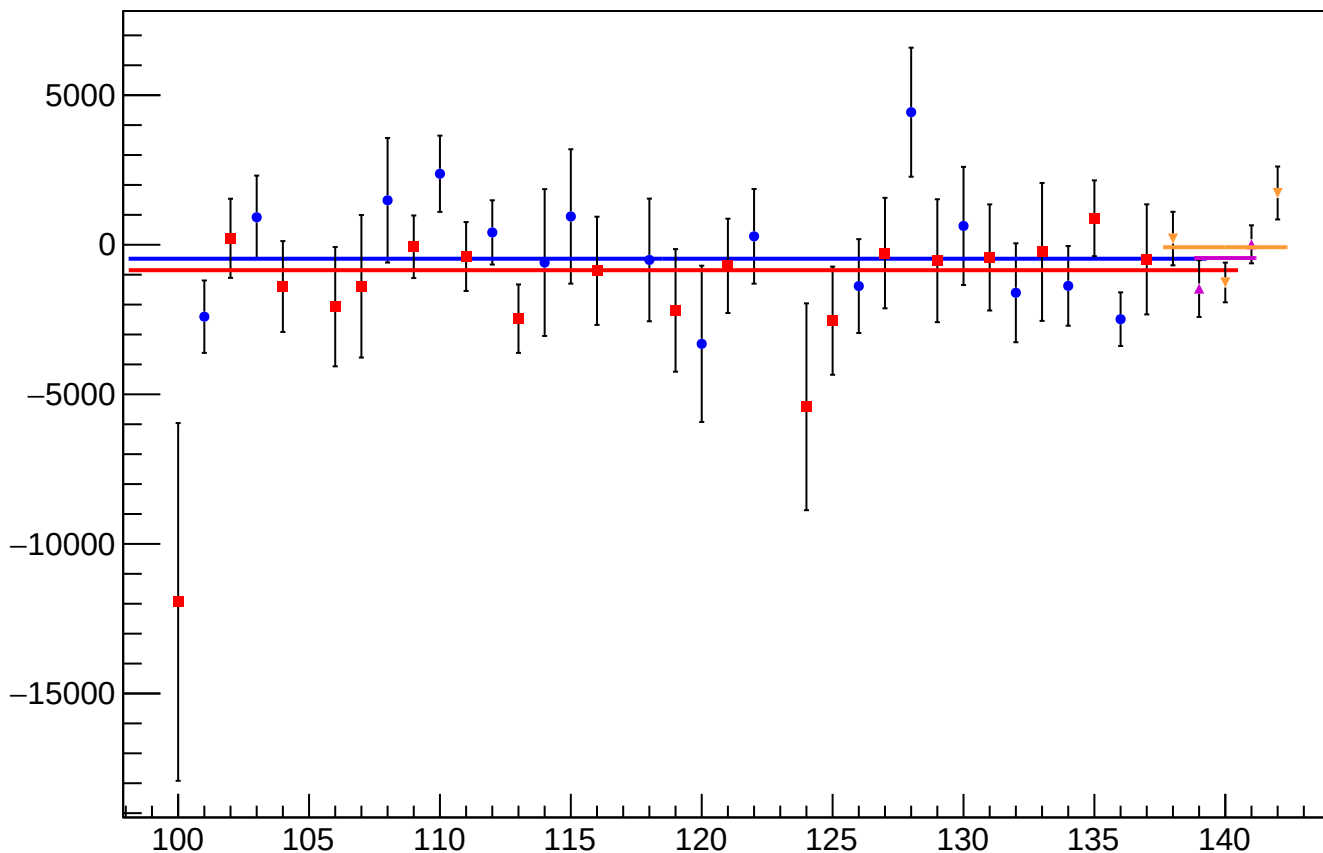
Left In: 78.336 $\pm$ 0.043 χ^2 /NDF: 138533.9/1

+ sign 74.754 $\pm$ 0.018 χ^2 /NDF: 890921.9/18

All: 74.669 $\pm$ 0.013 χ^2 /NDF: 1966780.7/39

- sign 74.582 $\pm$ 0.018 χ^2 /NDF: 1075813.7/20

asym_sam_37_avg_eigen_cor_correction_mean vs Slug



Right In: -466.511 ± 375.033 χ^2/NDF : 23.7/15

Left Out: -81.722 ± 456.661 χ^2/NDF : 7.4/2

Right Out: -850.757 ± 373.092 χ^2/NDF : 12.6/18

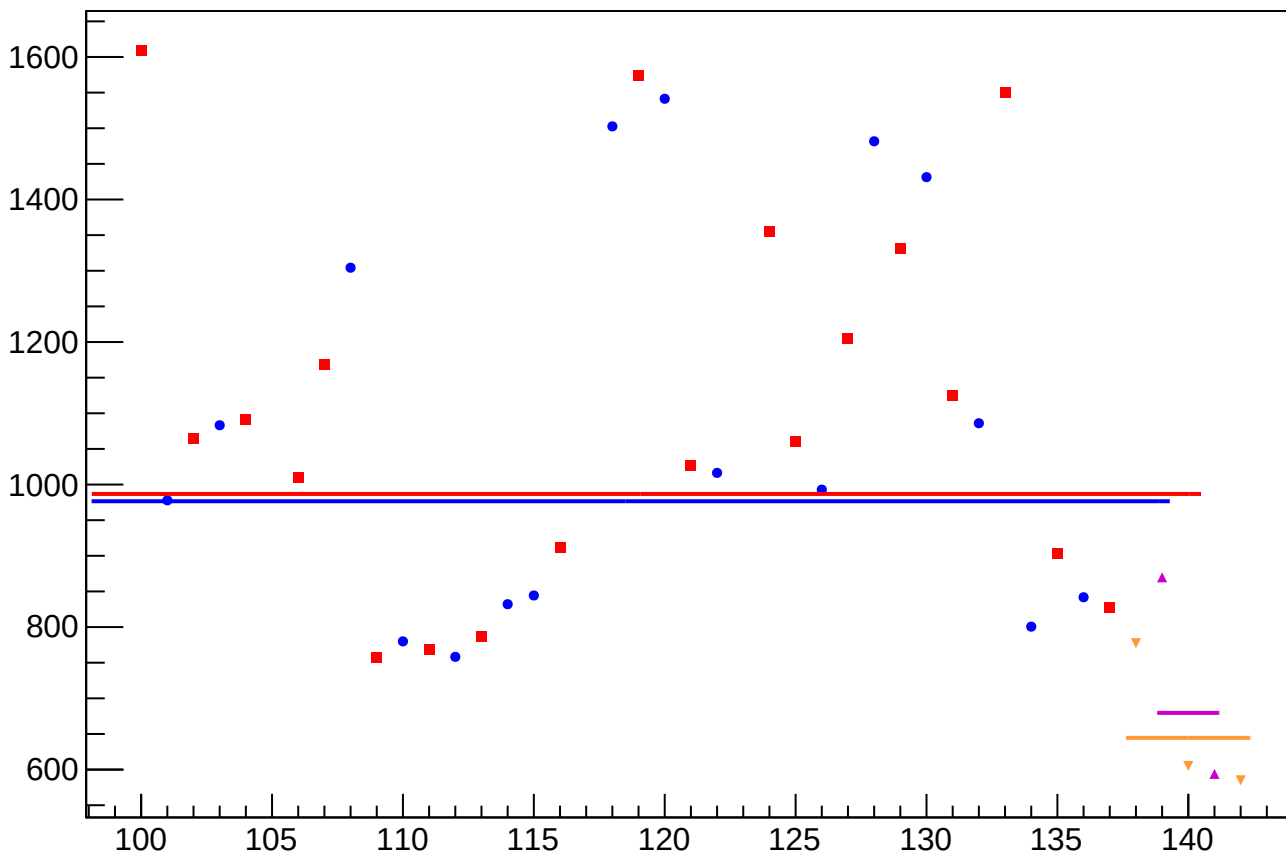
Left In: -444.051 ± 527.855 χ^2/NDF : 1.7/1

+ sign -311.521 ± 289.823 χ^2/NDF : 31.6/18

All: -503.315 ± 209.989 χ^2/NDF : 47.2/39

- sign -715.265 ± 304.671 χ^2/NDF : 14.7/20

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF : 736628.5/15

Left Out: 644.561+/-0.323 χ^2/NDF : 60203.9/2

Right Out: 986.823+/-0.264 χ^2/NDF : 713316.0/18

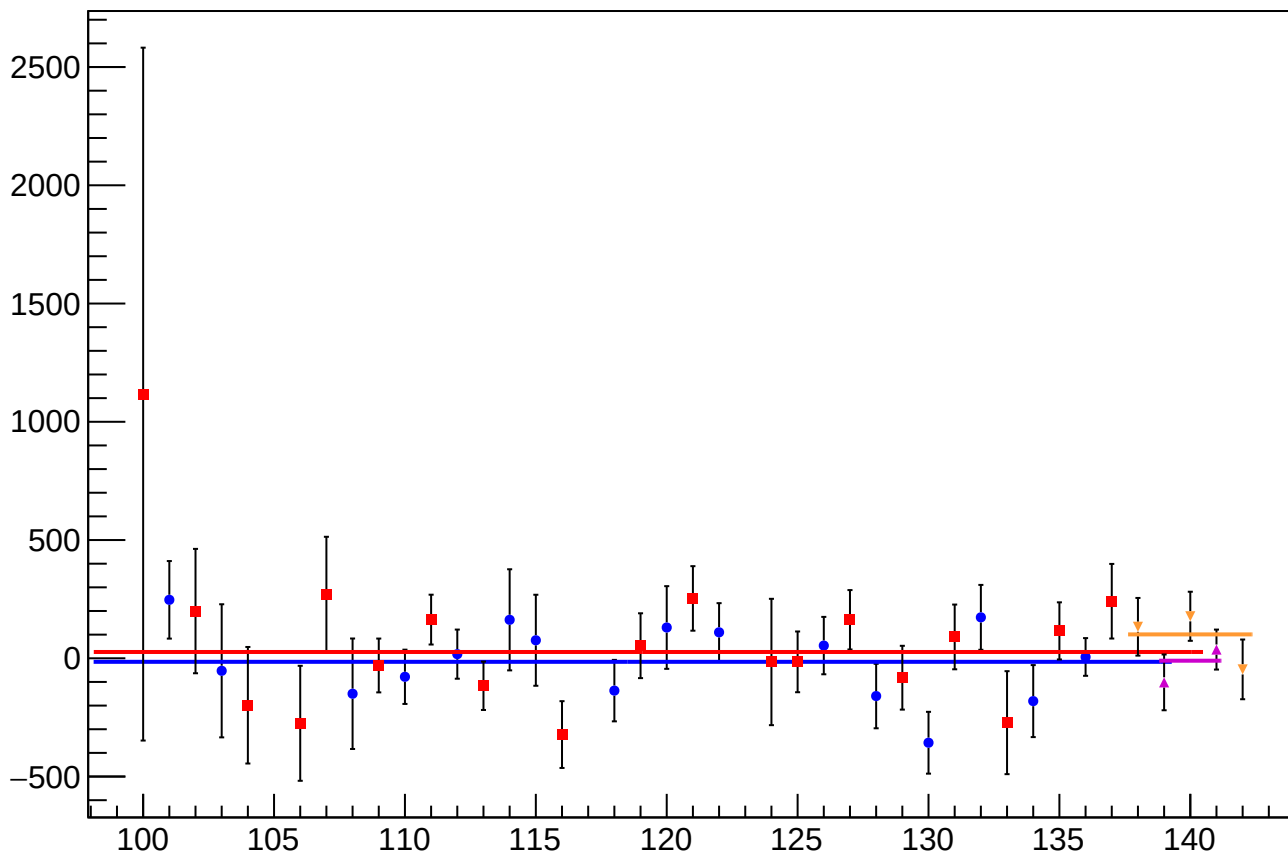
Left In: 679.567+/-0.373 χ^2/NDF : 116837.9/1

+ sign 842.851+/-0.205 χ^2/NDF : 1428251.6/18

All: 862.618+/-0.148 χ^2/NDF : 2729881.0/39

- sign 884.462+/-0.215 χ^2/NDF : 1282045.1/20

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953 ± 33.761 χ^2/NDF : 18.3/15

Left Out: 101.015 ± 66.988 χ^2/NDF : 2.0/2

Right Out: 26.654 ± 34.073 χ^2/NDF : 23.6/18

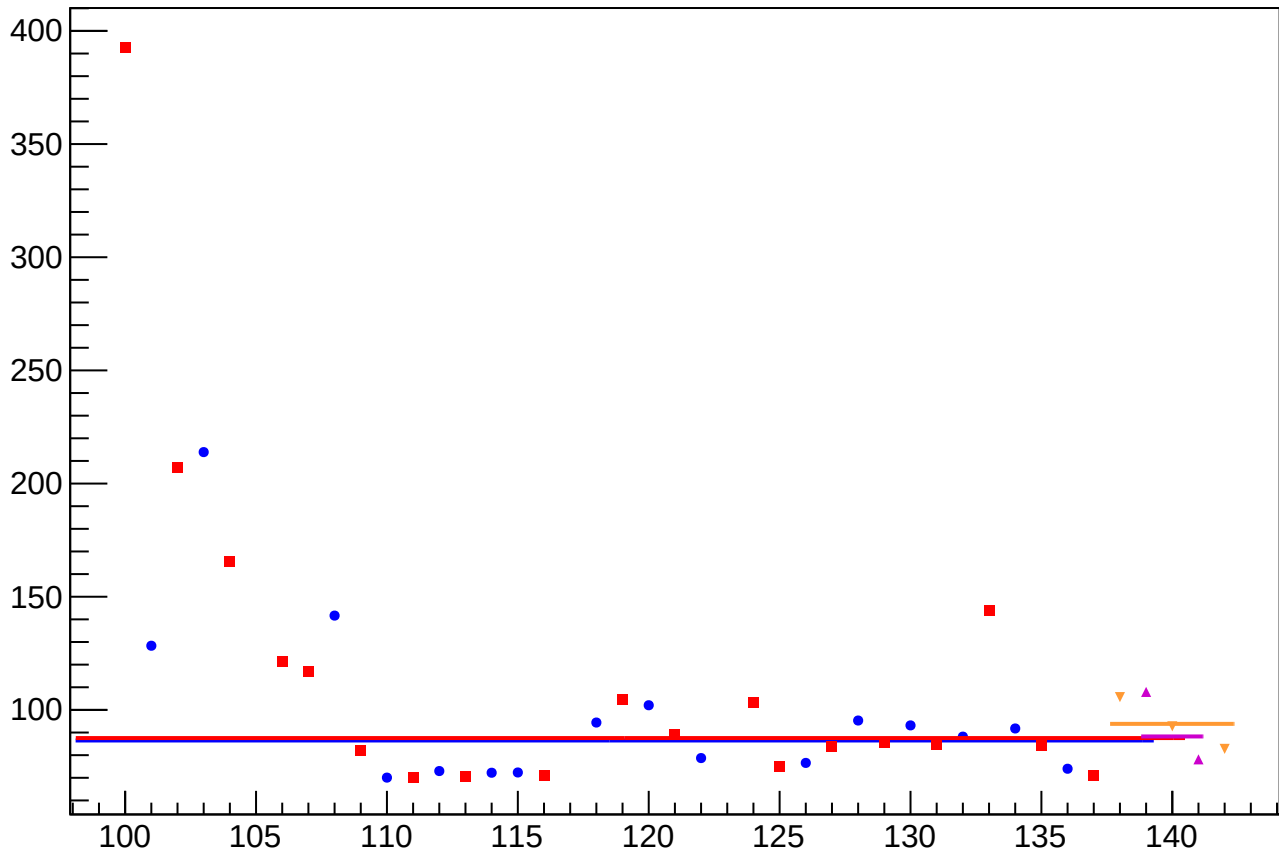
Left In: -10.233 ± 68.697 χ^2/NDF : 0.9/1

+ sign 8.536 ± 30.148 χ^2/NDF : 22.6/18

All: 13.887 ± 21.450 χ^2/NDF : 47.5/39

- sign 19.372 ± 30.525 χ^2/NDF : 24.8/20

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489 $\pm$ 0.024 χ^2 /NDF: 856257.9/15

Left Out: 93.829 $\pm$ 0.047 χ^2 /NDF: 34333.2/2

Right Out: 87.555 $\pm$ 0.024 χ^2 /NDF: 1129794.0/18

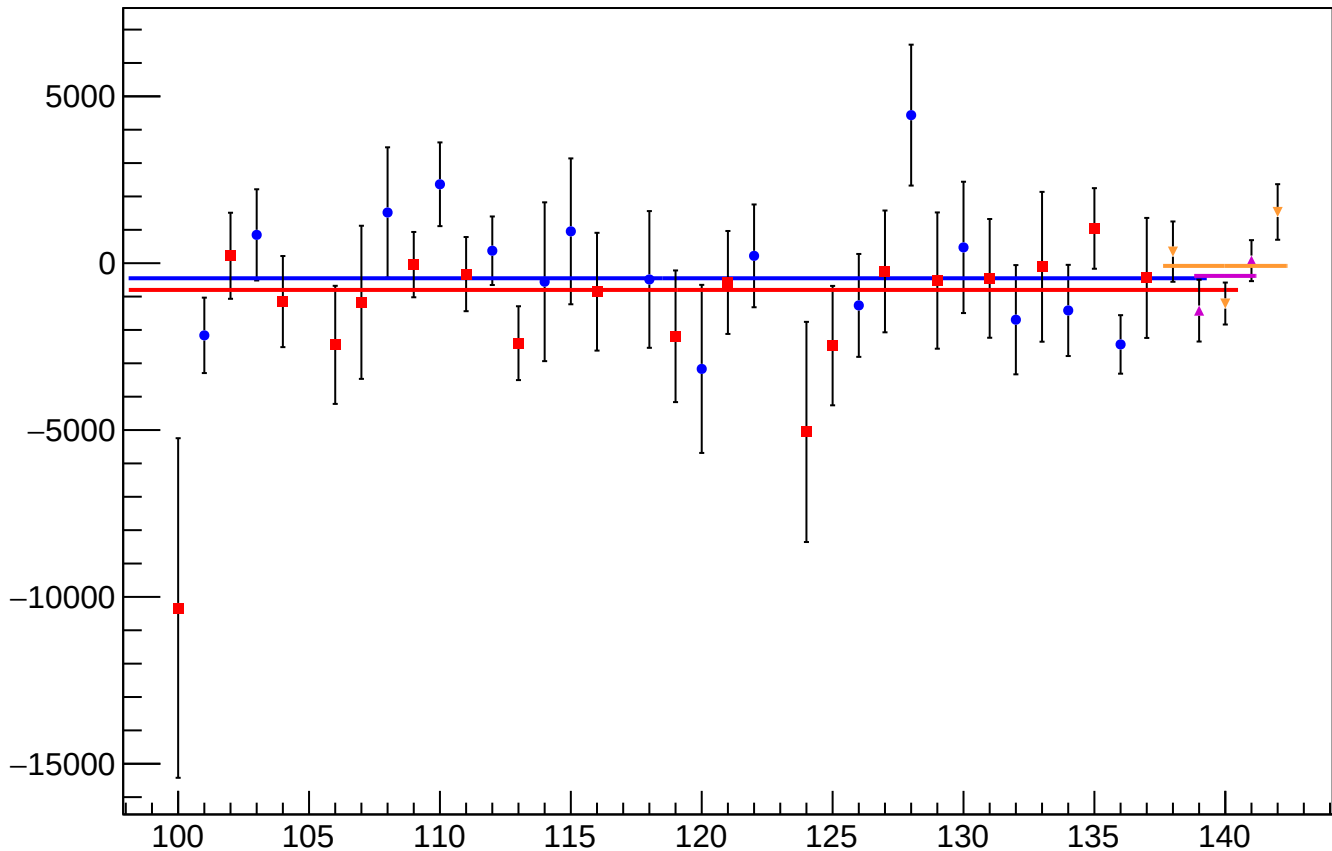
Left In: 88.269 $\pm$ 0.049 χ^2 /NDF: 84356.3/1

+ sign 87.976 $\pm$ 0.021 χ^2 /NDF: 909741.3/18

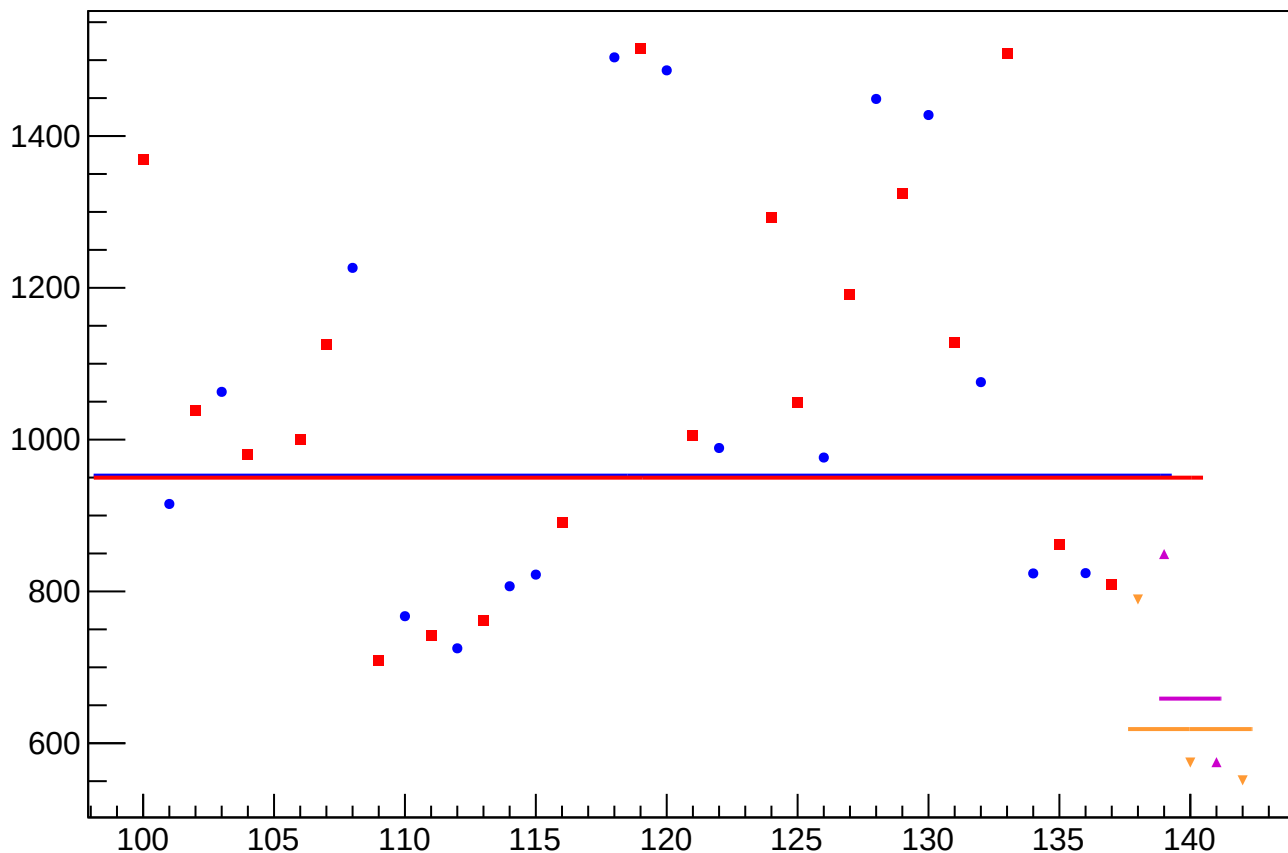
All: 87.837 $\pm$ 0.015 χ^2 /NDF: 2124150.5/39

- sign 87.696 $\pm$ 0.022 χ^2 /NDF: 1214324.0/20

asym_sam_37_avg_dit_correction_mean vs Slug



asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551 $\pm$ 0.259 χ^2 /NDF: 746346.9/15

Left Out: 618.640 $\pm$ 0.310 χ^2 /NDF: 94372.5/2

Right Out: 949.891 $\pm$ 0.253 χ^2 /NDF: 751675.2/18

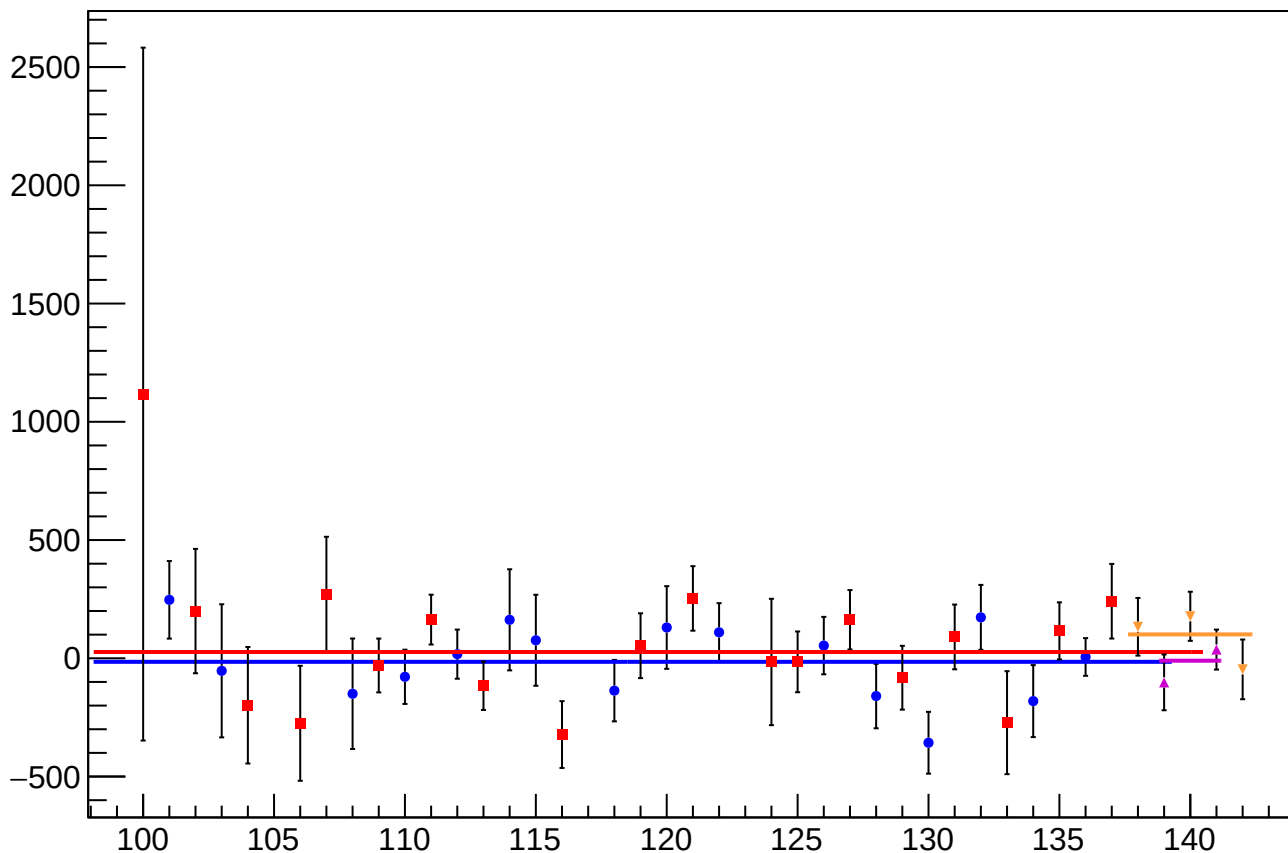
Left In: 658.772 $\pm$ 0.362 χ^2 /NDF: 121721.4/1

+ sign 815.691 $\pm$ 0.199 χ^2 /NDF: 1524490.2/18

All: 834.164 $\pm$ 0.143 χ^2 /NDF: 2850525.2/39

- sign 854.309 $\pm$ 0.207 χ^2 /NDF: 1307947.9/20

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954 ± 33.761 χ^2/NDF : 18.3/15

Left Out: 101.014 ± 66.989 χ^2/NDF : 2.0/2

Right Out: 26.658 ± 34.073 χ^2/NDF : 23.6/18

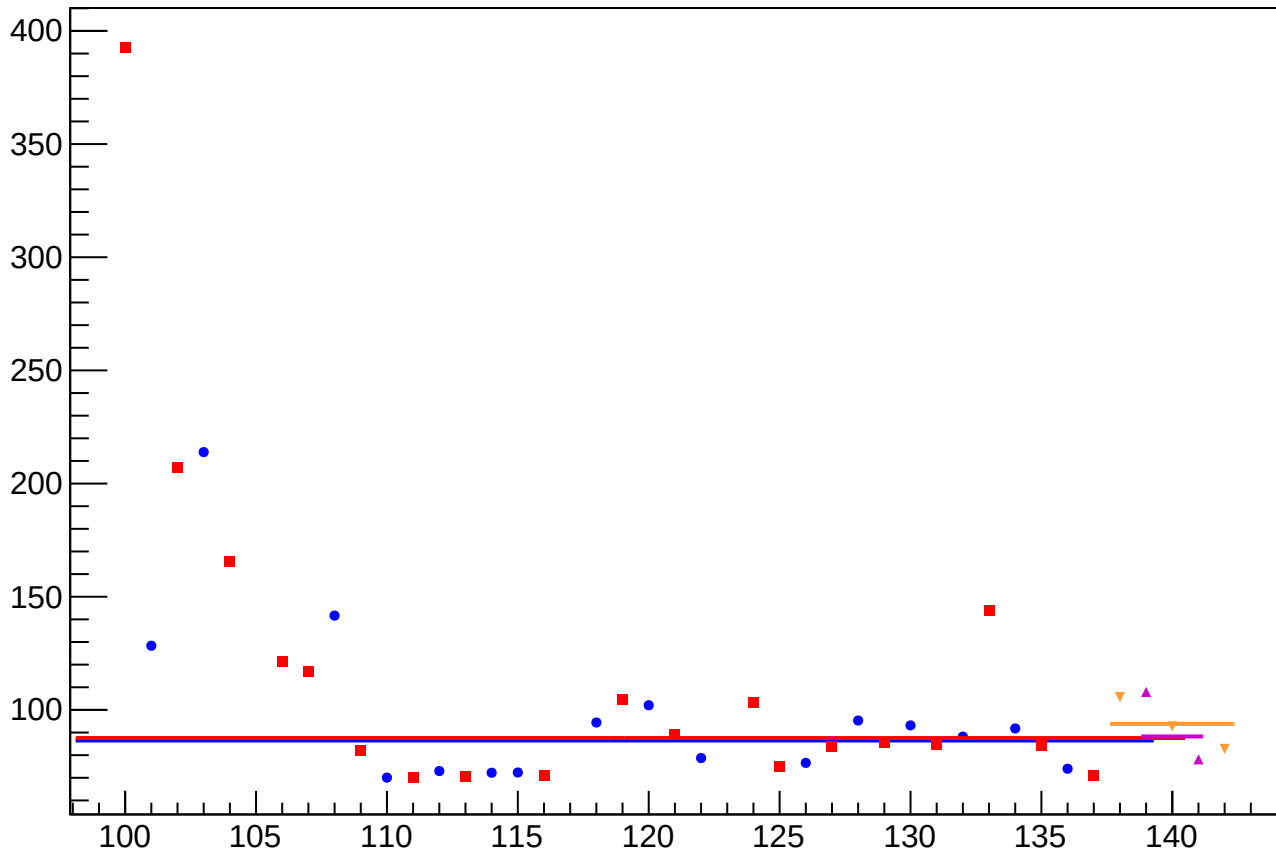
Left In: -10.235 ± 68.697 χ^2/NDF : 0.9/1

+ sign 8.536 ± 30.149 χ^2/NDF : 22.6/18

All: 13.887 ± 21.450 χ^2/NDF : 47.5/39

- sign 19.374 ± 30.525 χ^2/NDF : 24.8/20

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF : 856249.6/15

Left Out: 93.830+/-0.047 χ^2/NDF : 34333.3/2

Right Out: 87.555+/-0.024 χ^2/NDF : 1129791.7/18

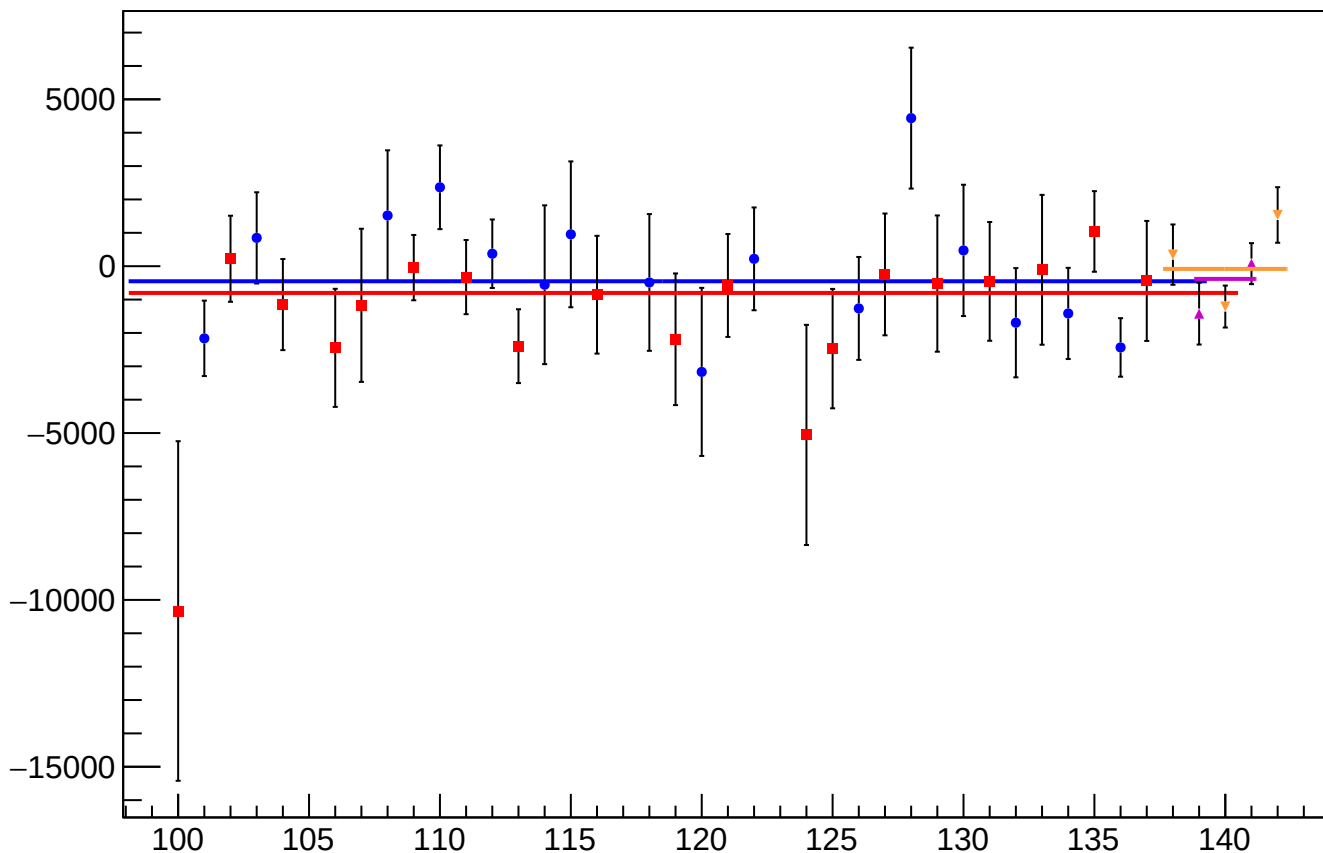
Left In: 88.269+/-0.049 χ^2/NDF : 84354.7/1

+ sign 87.976+/-0.021 χ^2/NDF : 909731.8/18

All: 87.838+/-0.015 χ^2/NDF : 2124136.9/39

- sign 87.696+/-0.022 χ^2/NDF : 1214319.9/20

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -451.378 ± 365.605 χ^2/NDF : 23.7/15

Left Out: -81.092 ± 438.697 χ^2/NDF : 7.2/2

Right Out: -801.205 ± 357.865 χ^2/NDF : 13.6/18

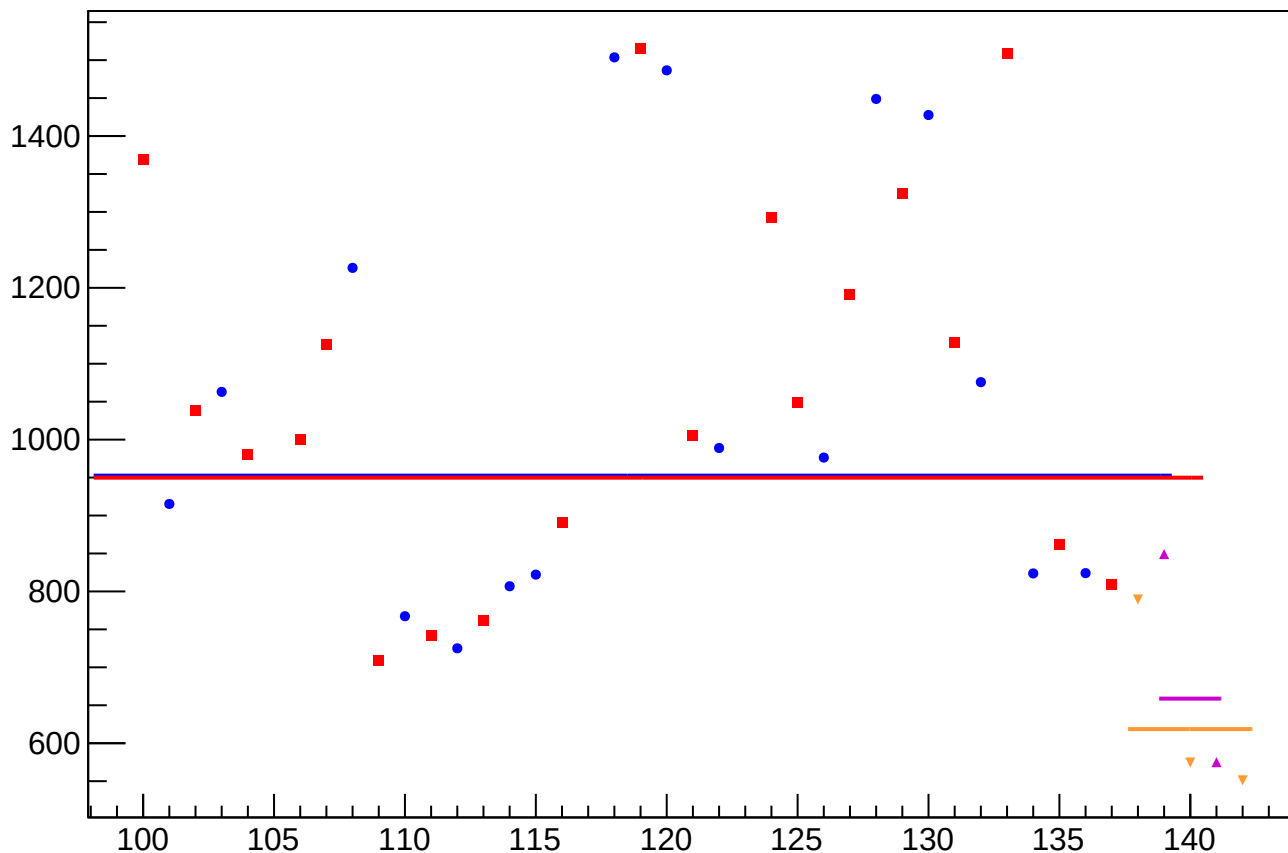
Left In: -380.720 ± 511.852 χ^2/NDF : 1.8/1

+ sign -299.610 ± 280.858 χ^2/NDF : 31.4/18

All: -473.510 ± 202.849 χ^2/NDF : 48.0/39

- sign -663.148 ± 293.291 χ^2/NDF : 15.9/20

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: 618.640 $\pm$ 0.310 χ^2 /NDF: 94373.2/2

Right Out: 949.890 $\pm$ 0.253 χ^2 /NDF: 751674.5/18

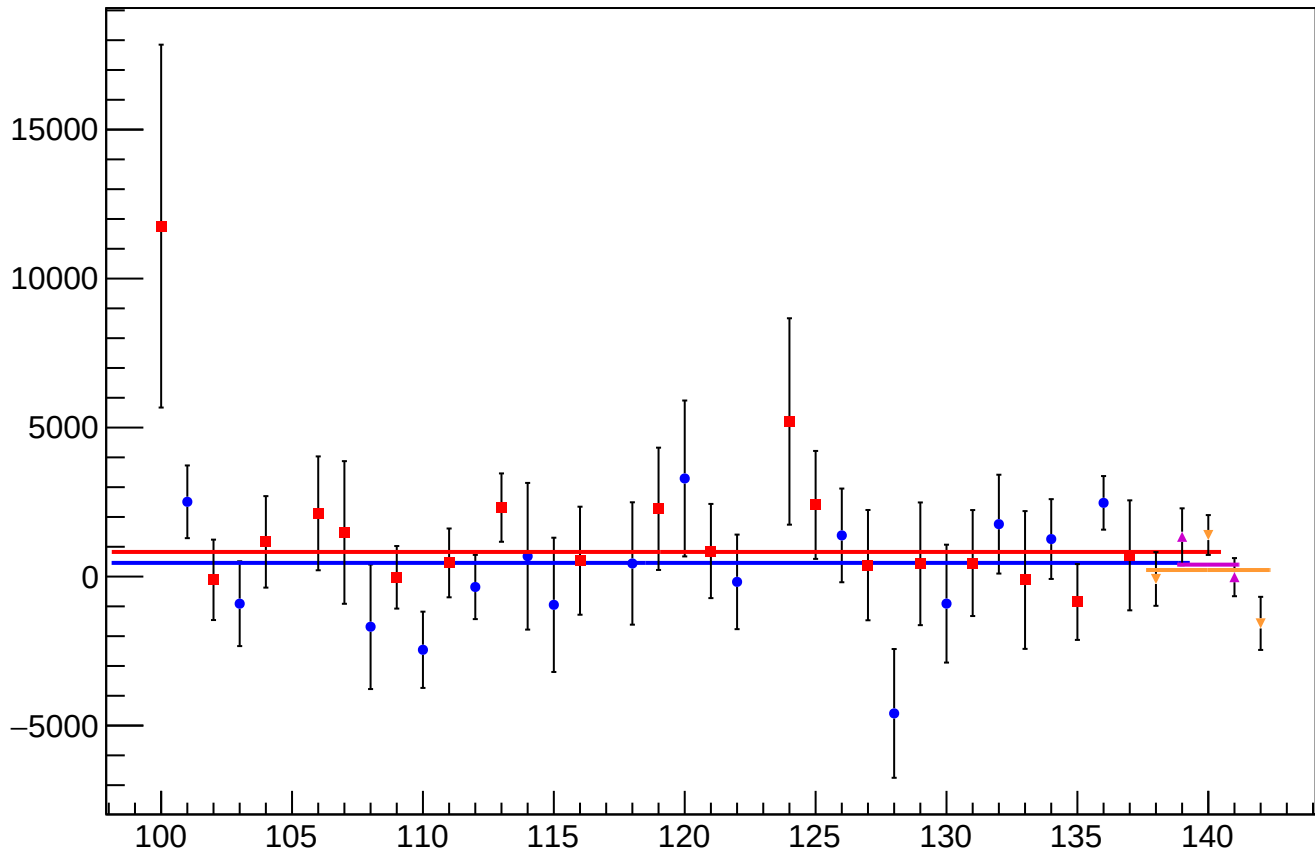
Left In: 658.771 $\pm$ 0.362 χ^2 /NDF: 121722.2/1

+ sign 815.691 $\pm$ 0.199 χ^2 /NDF: 1524487.5/18

All: 834.163 $\pm$ 0.143 χ^2 /NDF: 2850518.8/39

- sign 854.307 $\pm$ 0.207 χ^2 /NDF: 1307944.5/20

asym_sam_37_avg_mean vs Slug



Right In: 459.137 $\pm$ 376.873 χ^2 /NDF: 24.6/15

Left Out: 220.085 $\pm$ 459.967 χ^2 /NDF: 7.2/2

Right Out: 826.531 $\pm$ 374.244 χ^2 /NDF: 11.7/18

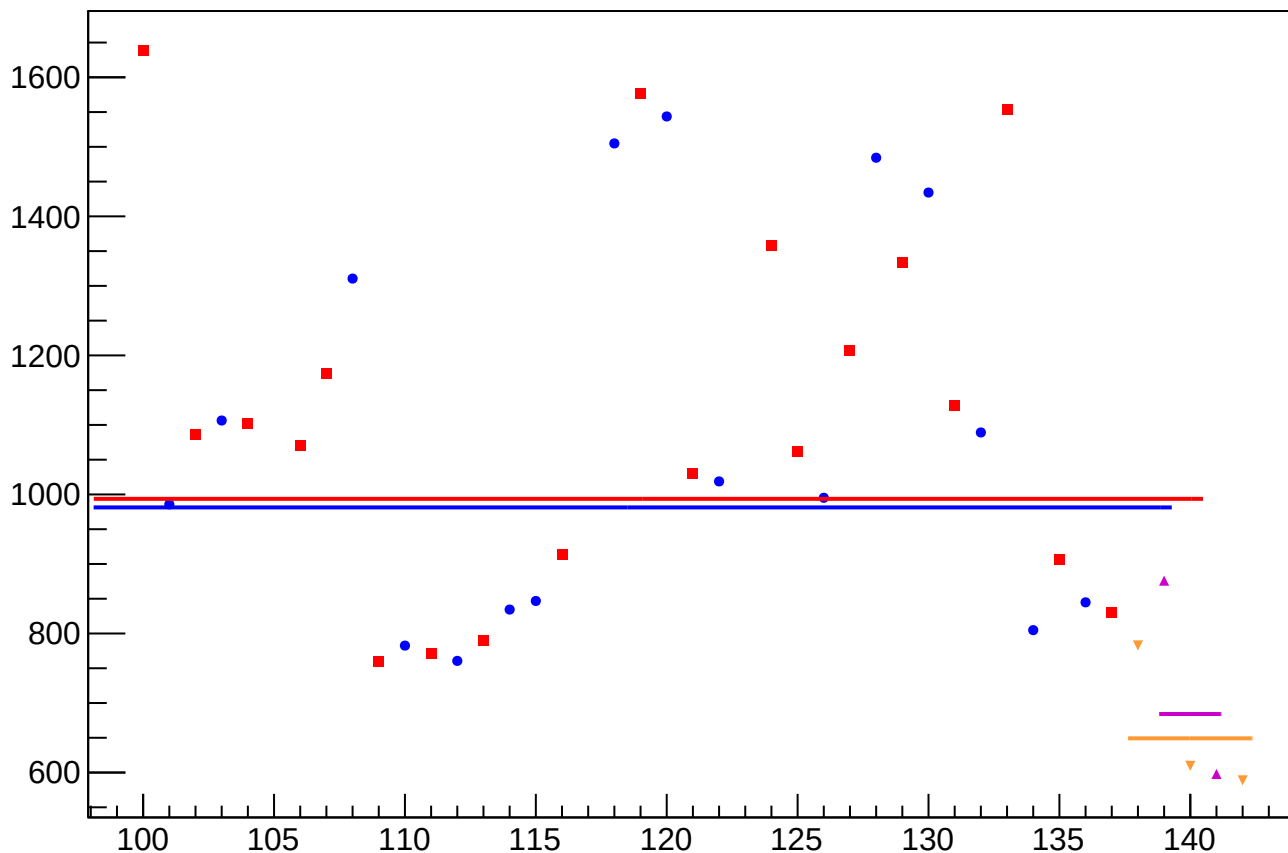
Left In: 400.506 $\pm$ 531.475 χ^2 /NDF: 1.4/1

+ sign 363.116 $\pm$ 291.517 χ^2 /NDF: 32.0/18

All: 516.413 $\pm$ 211.066 χ^2 /NDF: 46.0/39

- sign 685.312 $\pm$ 305.993 χ^2 /NDF: 13.5/20

asym_sam_37_avg_rms vs Slug



Right In: 981.349 ± 0.266 $\chi^2/\text{NDF}: 737627.4/15$

Left Out: 649.189 ± 0.325 $\chi^2/\text{NDF}: 60156.9/2$

Right Out: 993.684 ± 0.265 $\chi^2/\text{NDF}: 719799.0/18$

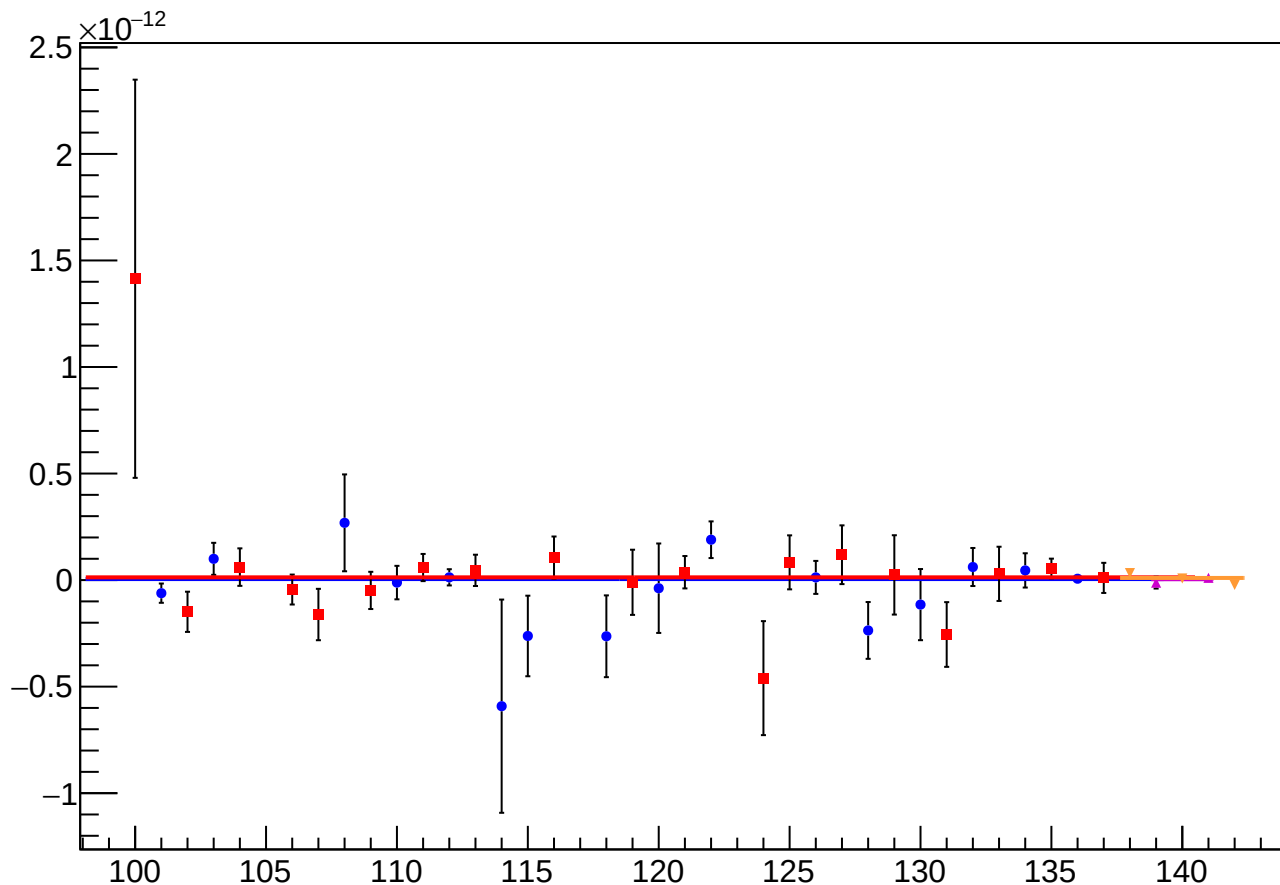
Left In: 684.186 ± 0.376 $\chi^2/\text{NDF}: 117040.7/1$

+ sign 847.929 ± 0.206 $\chi^2/\text{NDF}: 1421817.7/18$

All: 868.465 ± 0.149 $\chi^2/\text{NDF}: 2732933.0/39$

- sign 891.092 ± 0.216 $\chi^2/\text{NDF}: 1290254.3/20$

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 19.7/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 3.8/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.4/18

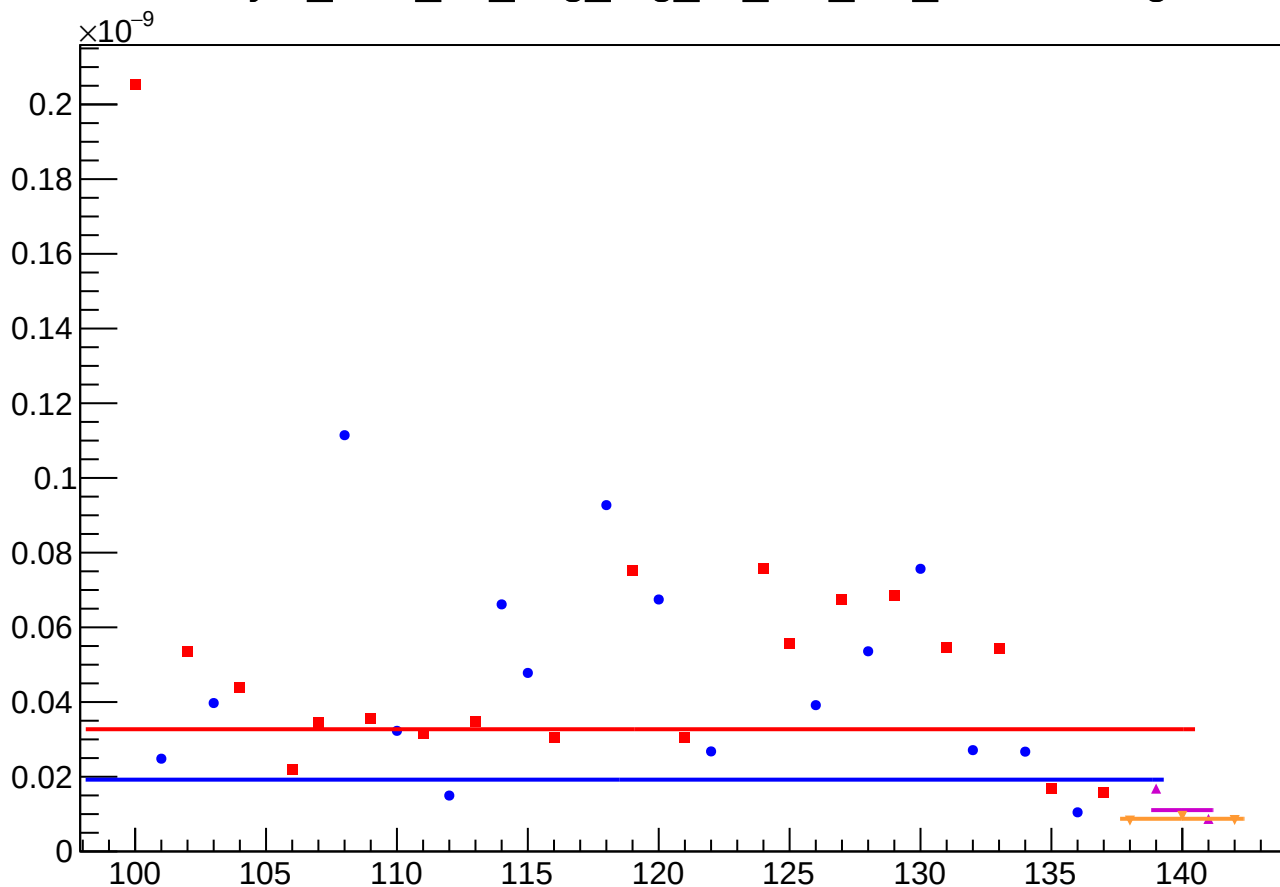
Left In: 0.000 ± 0.000 χ^2/NDF : 0.5/1

+ sign 0.000 ± 0.000 χ^2/NDF : 23.6/18

All: 0.000 ± 0.000 χ^2/NDF : 42.6/39

- sign 0.000 ± 0.000 χ^2/NDF : 19.0/20

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 : 5463.5/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1181327.3/18

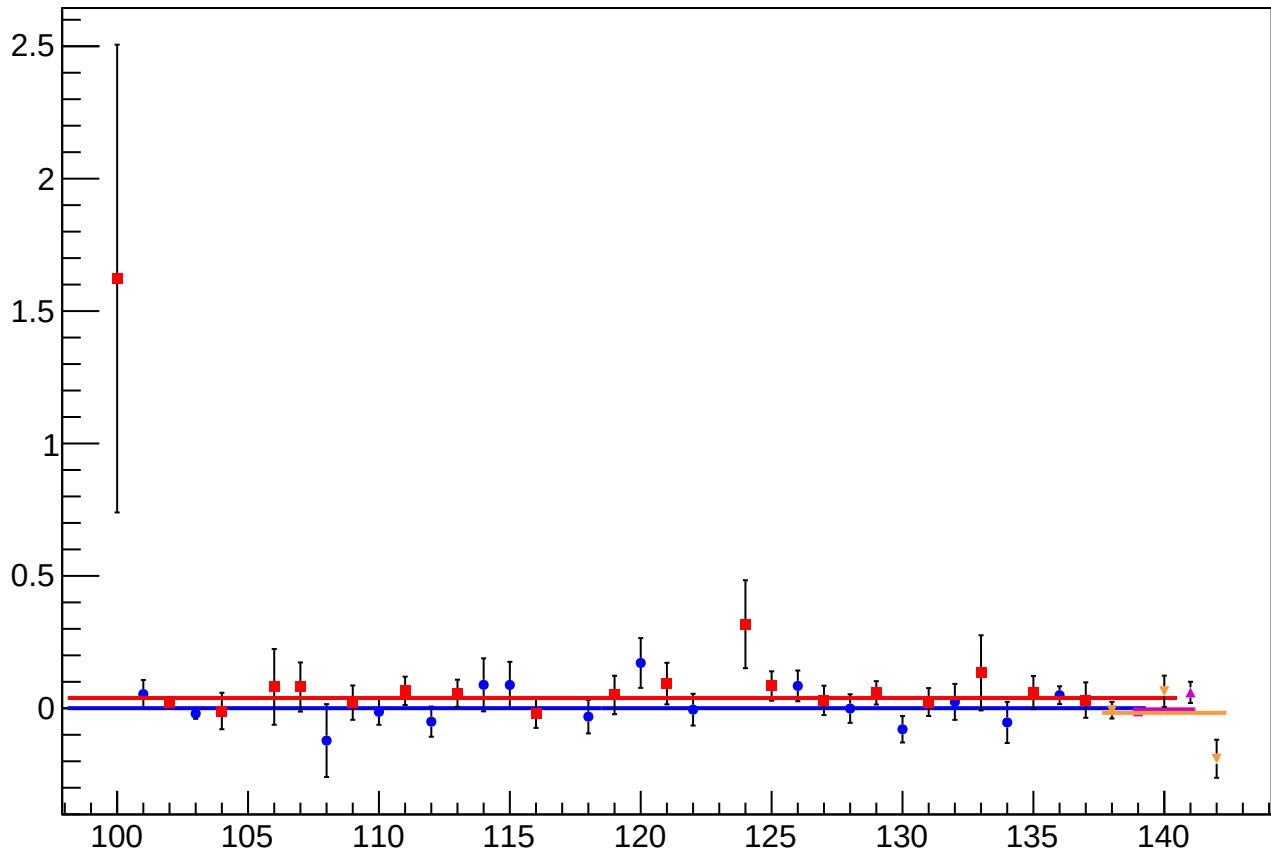
Left In: 0.000+/-0.000 χ^2/NDF : 122096.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2645734.4/18

All: 0.000+/-0.000 χ^2/NDF : 5688780.4/39

- sign 0.000+/-0.000 χ^2/NDF : 2741101.5/20

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.012 $\chi^2/\text{NDF}: 16.5/15$

Left Out: -0.017 ± 0.026 $\chi^2/\text{NDF}: 7.8/2$

Right Out: 0.039 ± 0.013 $\chi^2/\text{NDF}: 11.1/18$

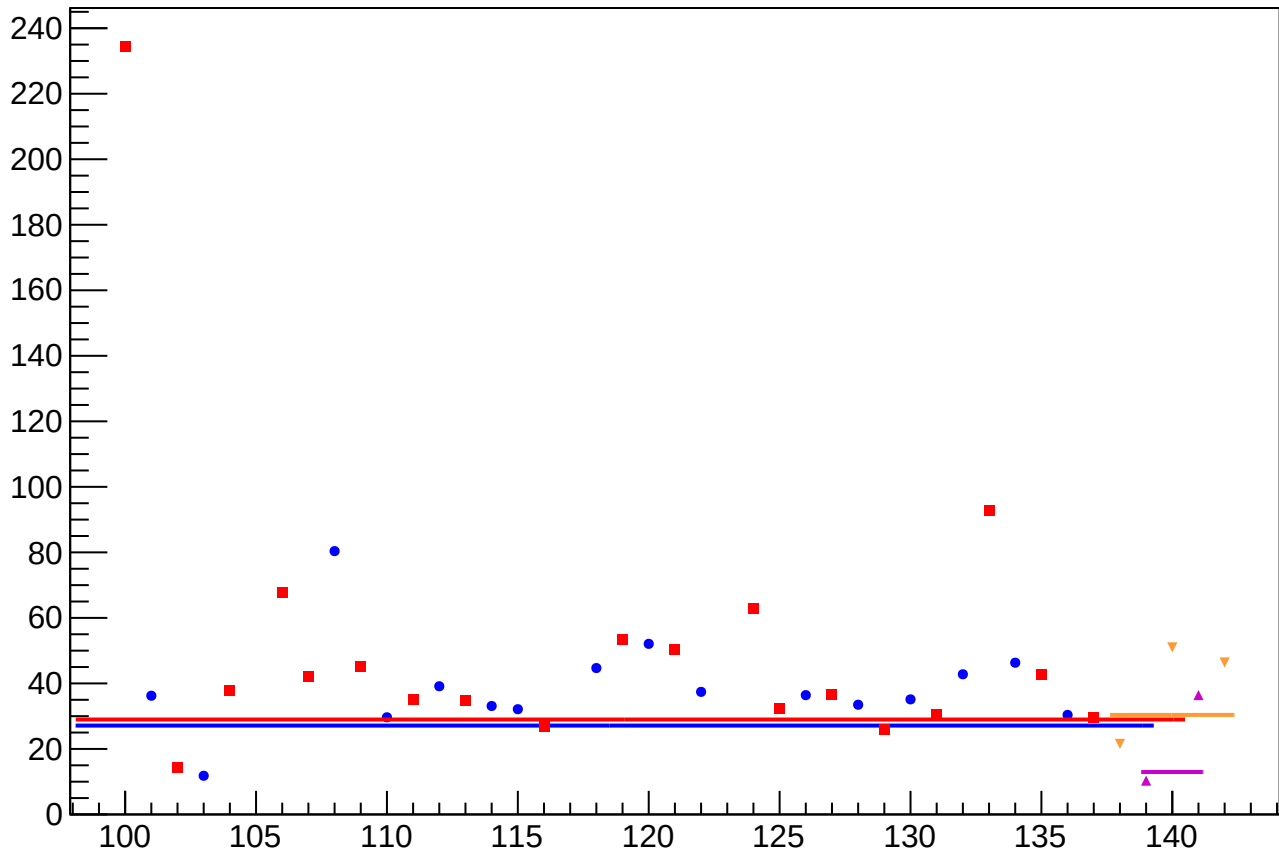
Left In: -0.004 ± 0.013 $\chi^2/\text{NDF}: 2.8/1$

+ sign -0.003 ± 0.011 $\chi^2/\text{NDF}: 24.7/18$

All: 0.009 ± 0.007 $\chi^2/\text{NDF}: 46.3/39$

- sign 0.018 ± 0.009 $\chi^2/\text{NDF}: 19.6/20$

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128 $\pm$ 0.009 χ^2 /NDF: 2415316.1/15

Left Out: 30.383 $\pm$ 0.018 χ^2 /NDF:500728.8/2

Right Out: 28.979 $\pm$ 0.009 χ^2 /NDF: 2456254.0/18

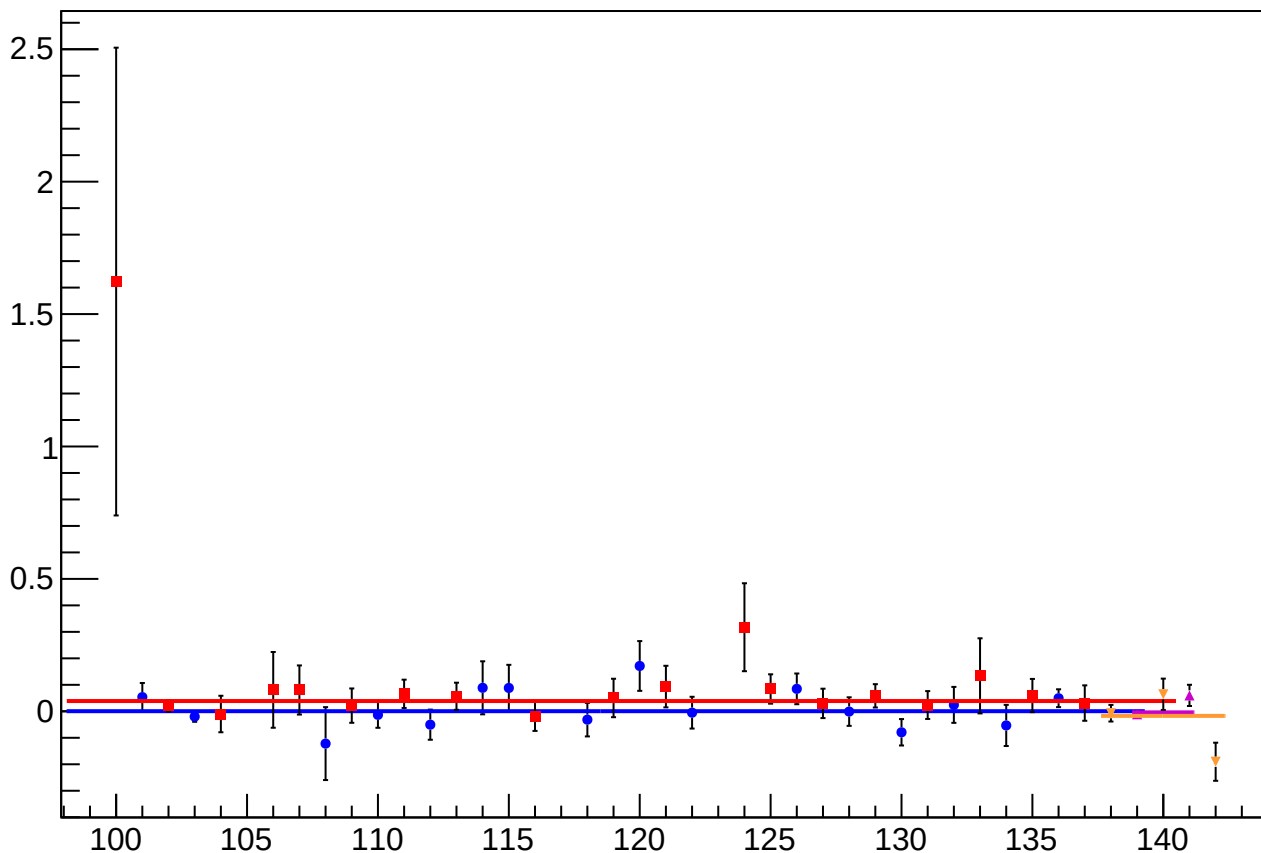
Left In: 12.961 $\pm$ 0.009 χ^2 /NDF:763978.4/1

+ sign 27.707 $\pm$ 0.008 χ^2 /NDF: 2942077.2/18

All: 23.724 $\pm$ 0.005 χ^2 /NDF: 8203556.0/39

- sign 21.031 $\pm$ 0.006 χ^2 /NDF: 4814700.9/20

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.012 χ^2/NDF : 16.5/15

Left Out: -0.017 ± 0.026 χ^2/NDF : 7.8/2

Right Out: 0.039 ± 0.013 χ^2/NDF : 11.1/18

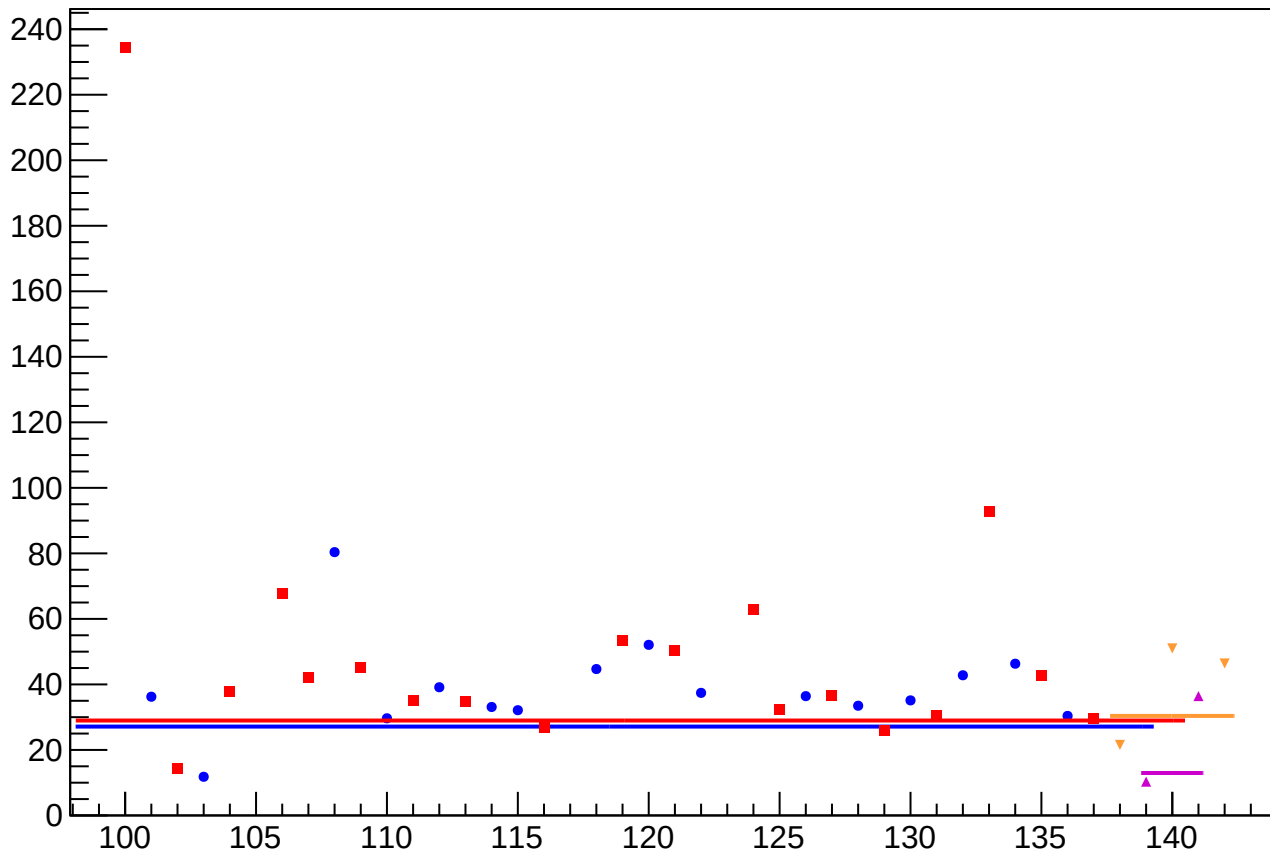
Left In: -0.004 ± 0.013 χ^2/NDF : 2.8/1

+ sign -0.003 ± 0.011 χ^2/NDF : 24.7/18

All: 0.009 ± 0.007 χ^2/NDF : 46.3/39

- sign 0.018 ± 0.009 χ^2/NDF : 19.6/20

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF : 2415316.1/15

Left Out: 30.383+/-0.018 χ^2/NDF : 500728.8/2

Right Out: 28.979+/-0.009 χ^2/NDF : 2456254.0/18

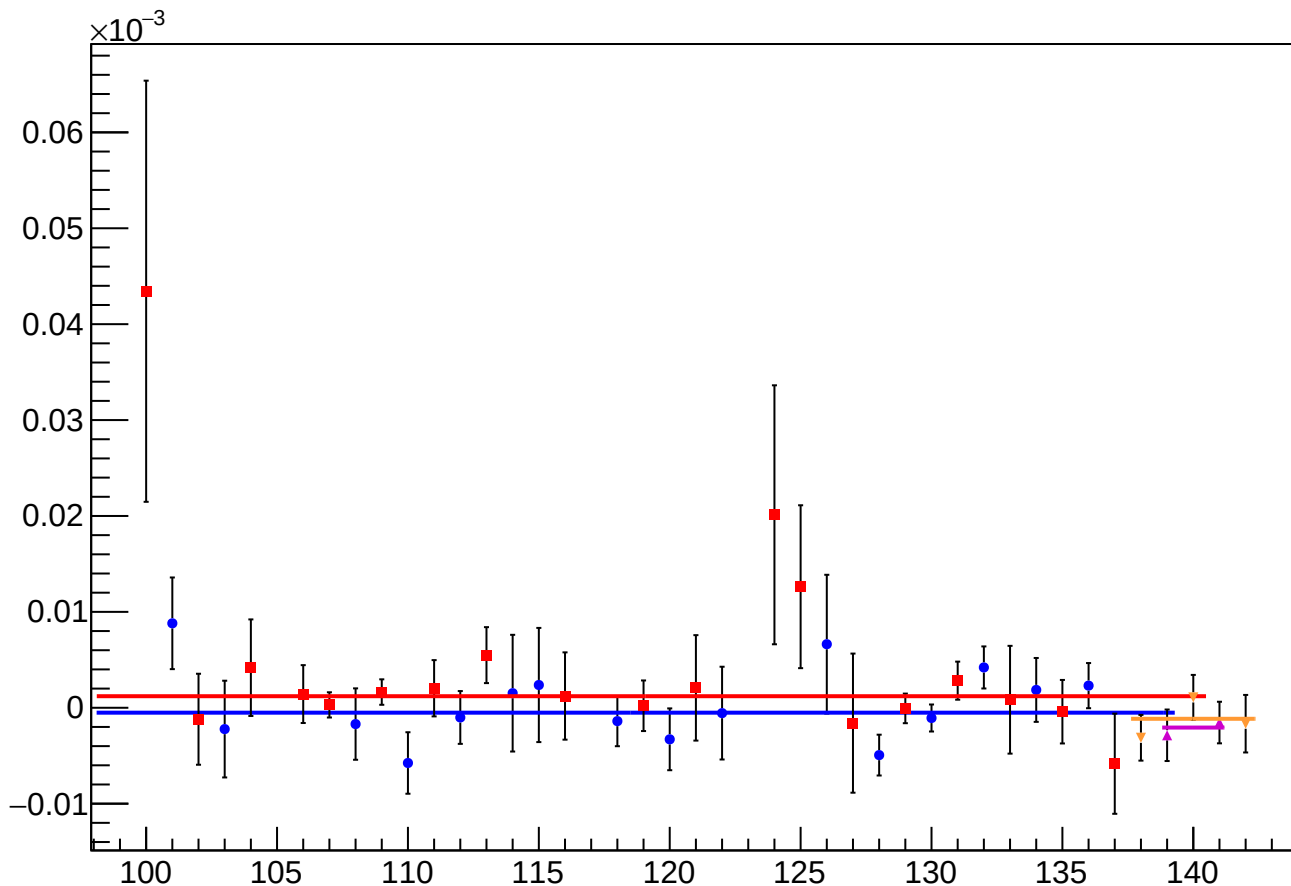
Left In: 12.961+/-0.009 χ^2/NDF : 763978.4/1

+ sign 27.707+/-0.008 χ^2/NDF : 2942077.2/18

All: 23.724+/-0.005 χ^2/NDF : 8203556.0/39

- sign 21.031+/-0.006 χ^2/NDF : 4814700.9/20

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: 1.6/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.6/18

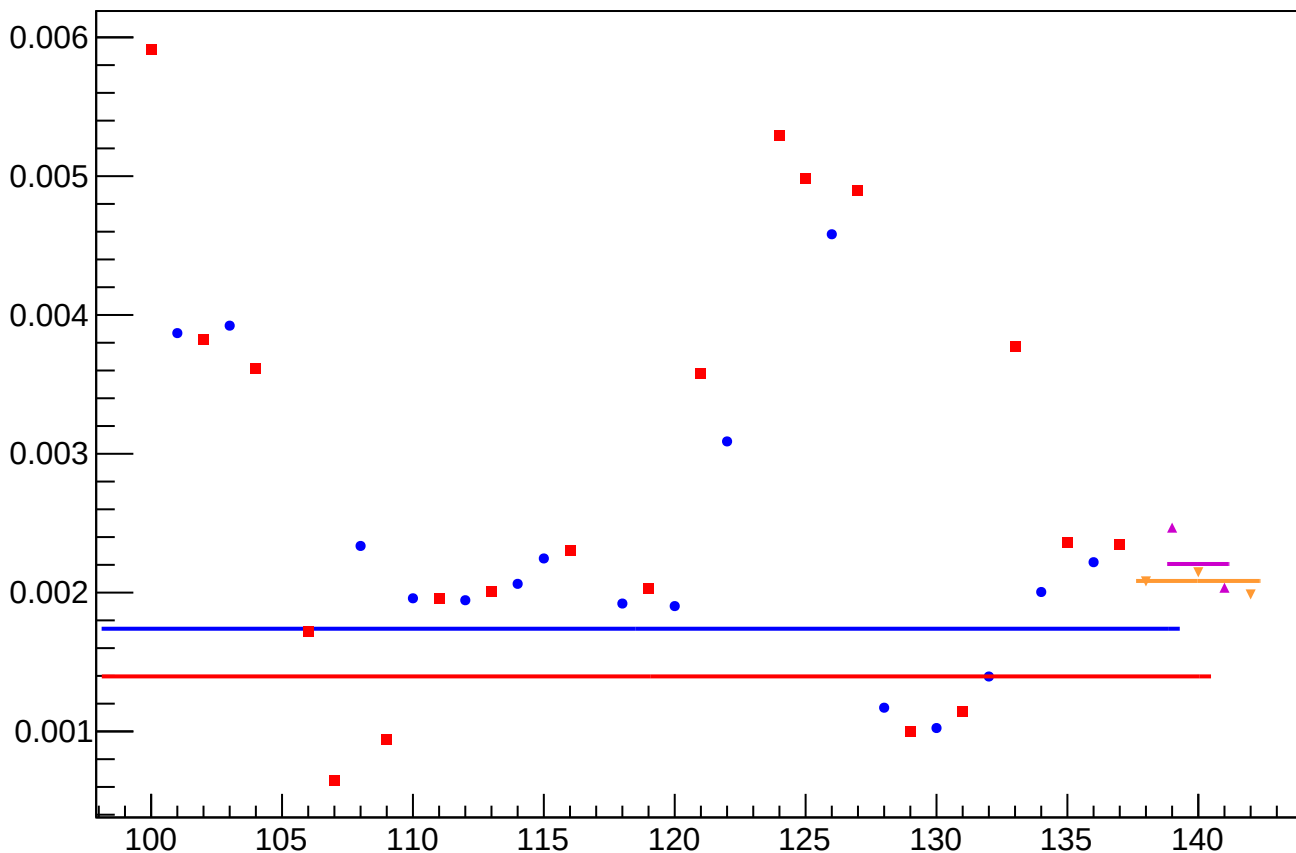
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 21.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.7/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/20

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:3525.1/2

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 4323193.2/18

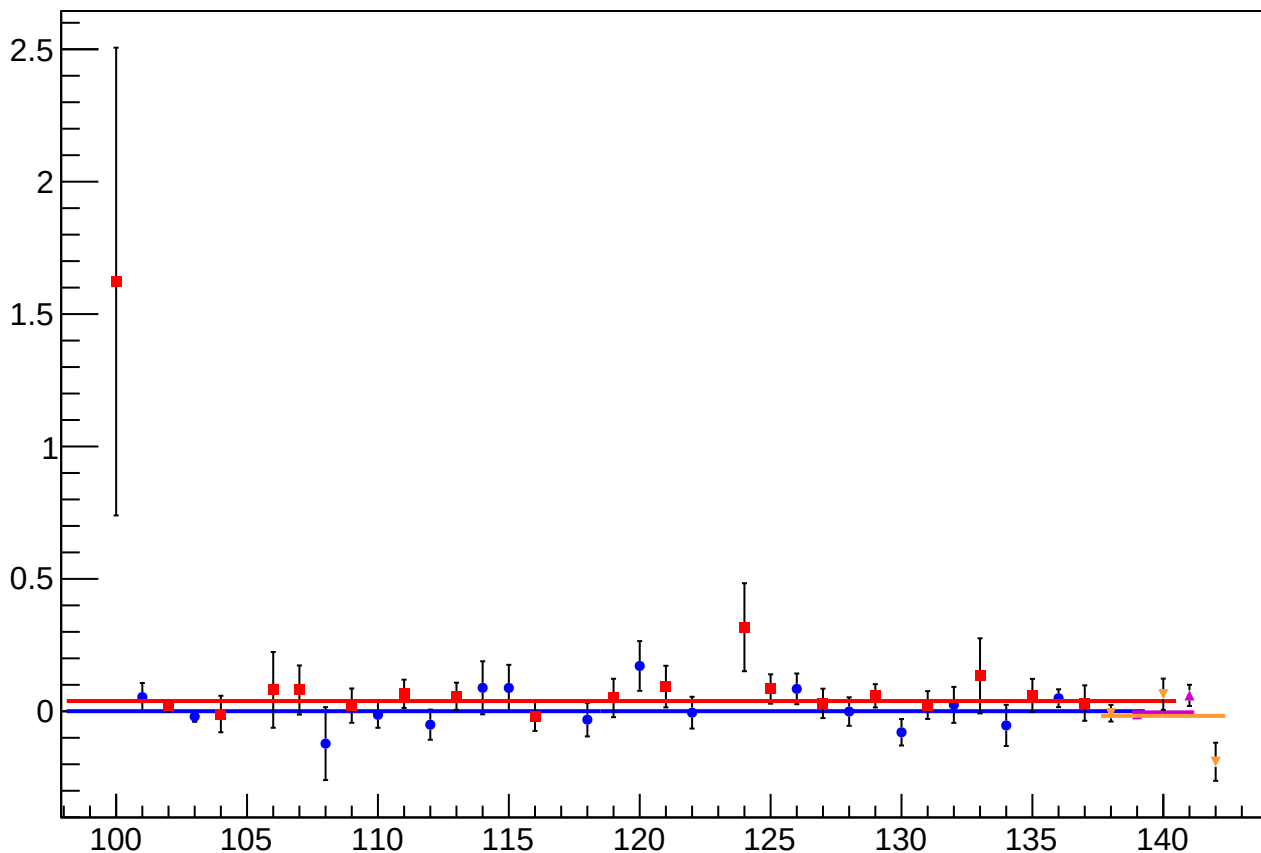
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:31460.8/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2239882.5/18

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7270203.3/39

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4761976.8/20

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.012 $\chi^2/\text{NDF}: 16.5/15$

Left Out: -0.017 ± 0.026 $\chi^2/\text{NDF}: 7.8/2$

Right Out: 0.039 ± 0.013 $\chi^2/\text{NDF}: 11.1/18$

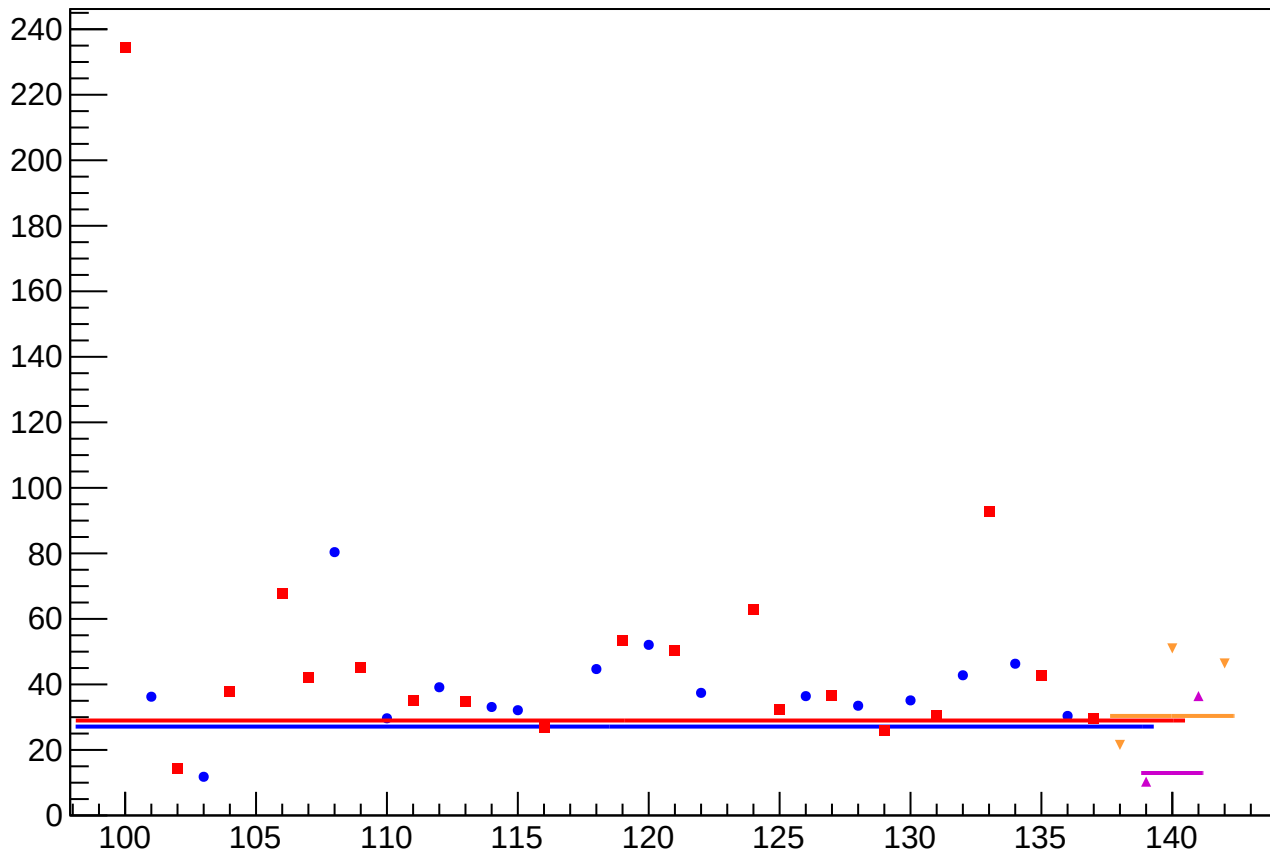
Left In: -0.004 ± 0.013 $\chi^2/\text{NDF}: 2.8/1$

+ sign -0.003 ± 0.011 $\chi^2/\text{NDF}: 24.7/18$

All: 0.009 ± 0.007 $\chi^2/\text{NDF}: 46.3/39$

- sign 0.018 ± 0.009 $\chi^2/\text{NDF}: 19.6/20$

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: 30.380+/-0.018 χ^2/NDF : 500897.1/2

Right Out: 28.982+/-0.009 χ^2/NDF : 2455659.1/18

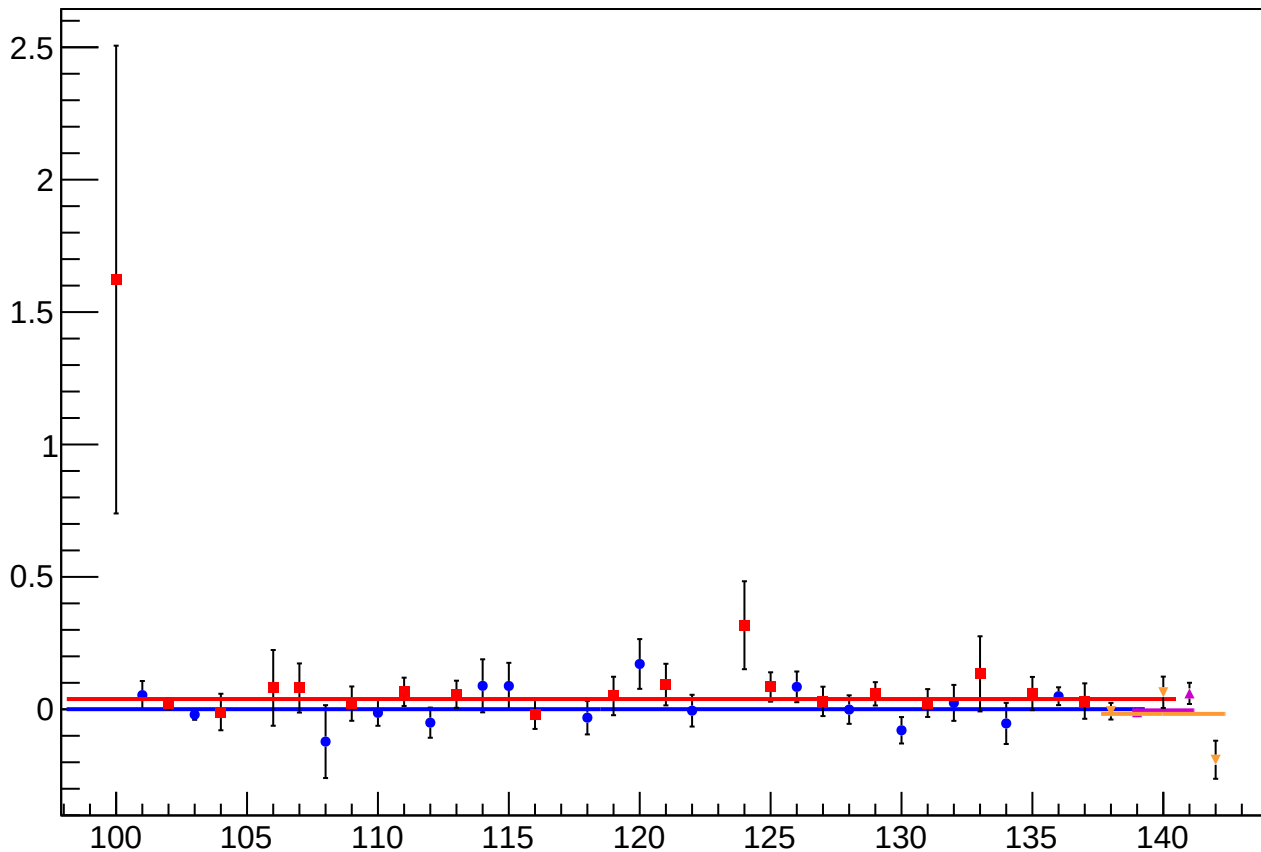
Left In: 12.960+/-0.009 χ^2/NDF : 764071.4/1

+ sign 27.706+/-0.008 χ^2/NDF : 2942537.9/18

All: 23.723+/-0.005 χ^2/NDF : 8204328.5/39

- sign 21.031+/-0.006 χ^2/NDF : 4815077.5/20

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2 /NDF: 16.5/15

Left Out: -0.017 $\pm$ 0.026 χ^2 /NDF: 7.8/2

Right Out: 0.039 $\pm$ 0.013 χ^2 /NDF: 11.1/18

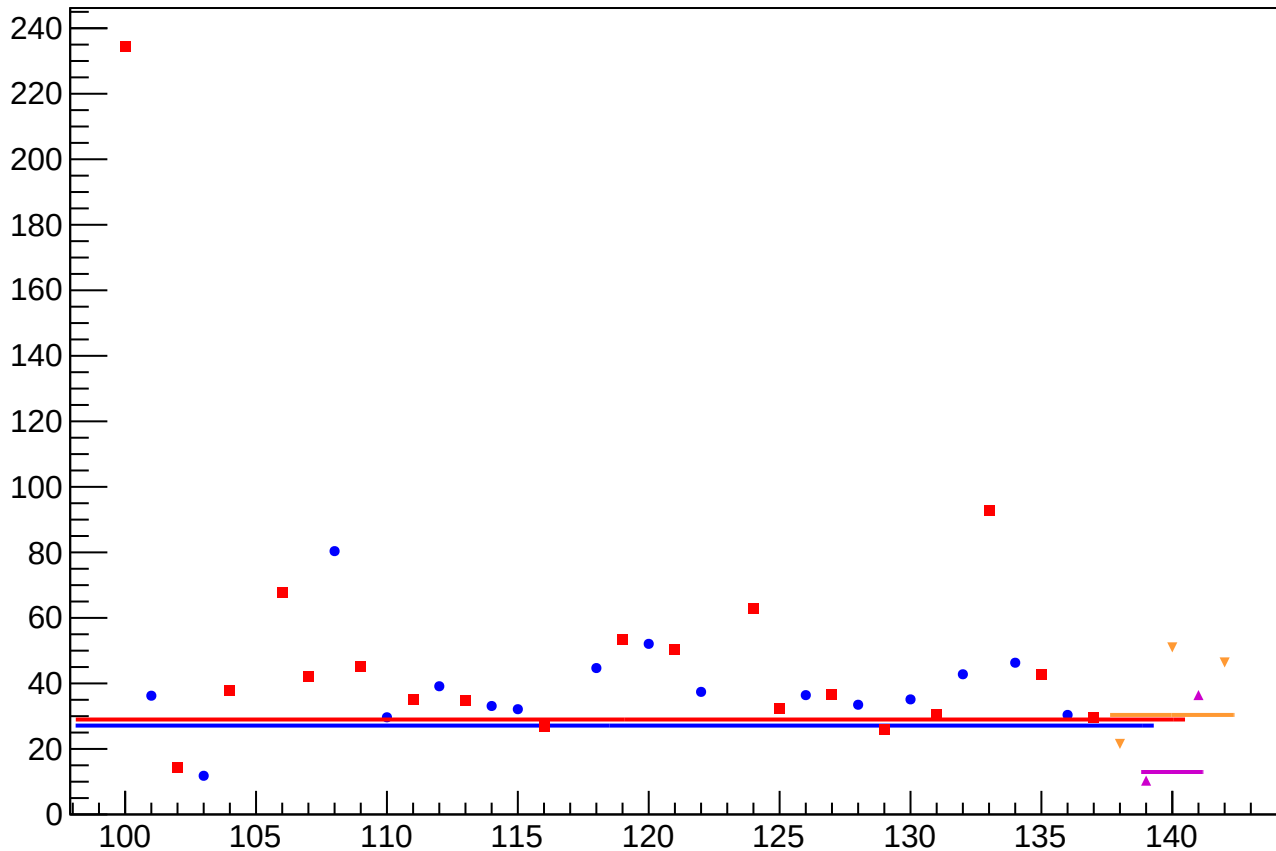
Left In: -0.004 $\pm$ 0.013 χ^2 /NDF: 2.8/1

+ sign -0.003 $\pm$ 0.011 χ^2 /NDF: 24.7/18

All: 0.009 $\pm$ 0.007 χ^2 /NDF: 46.3/39

- sign 0.018 $\pm$ 0.009 χ^2 /NDF: 19.6/20

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: 30.380 $\pm$ 0.018 χ^2 /NDF: 500897.1/2

Right Out: 28.982 $\pm$ 0.009 χ^2 /NDF: 2455659.1/18

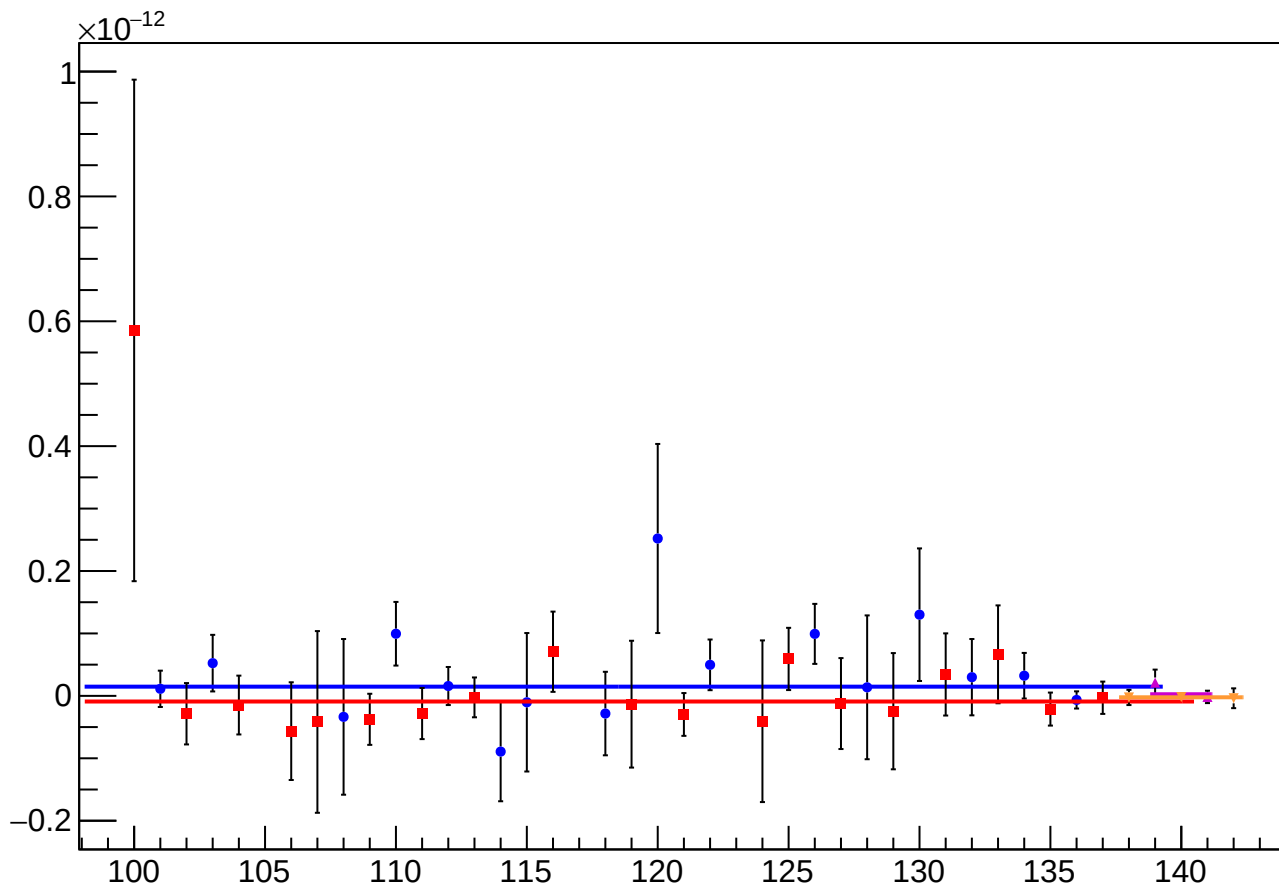
Left In: 12.960 $\pm$ 0.009 χ^2 /NDF: 764071.4/1

+ sign 27.706 $\pm$ 0.008 χ^2 /NDF: 2942537.9/18

All: 23.723 $\pm$ 0.005 χ^2 /NDF: 8204328.5/39

- sign 21.031 $\pm$ 0.006 χ^2 /NDF: 4815077.5/20

asym_sam_37_avg_eigen_cor_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 : 0.0/2

Right Out: -0.000+/-0.000 χ^2/NDF : 9.0/18

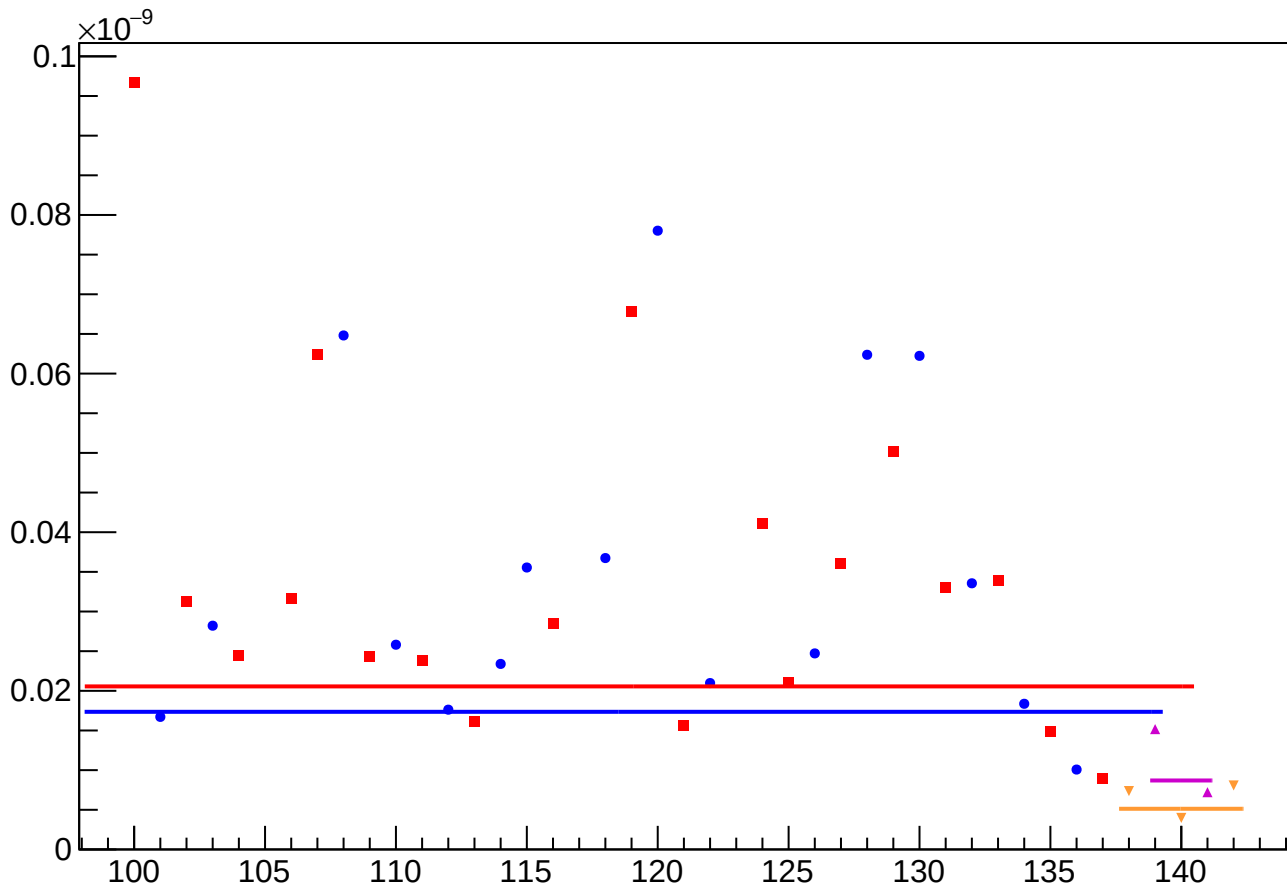
Left In: 0.000+/-0.000 χ^2/NDF : 1.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 18.4/18

All: 0.000+/-0.000 χ^2/NDF : 29.3/39

- sign -0.000+/-0.000 χ^2/NDF : 10.7/20

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 :197637.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1925673.6/18

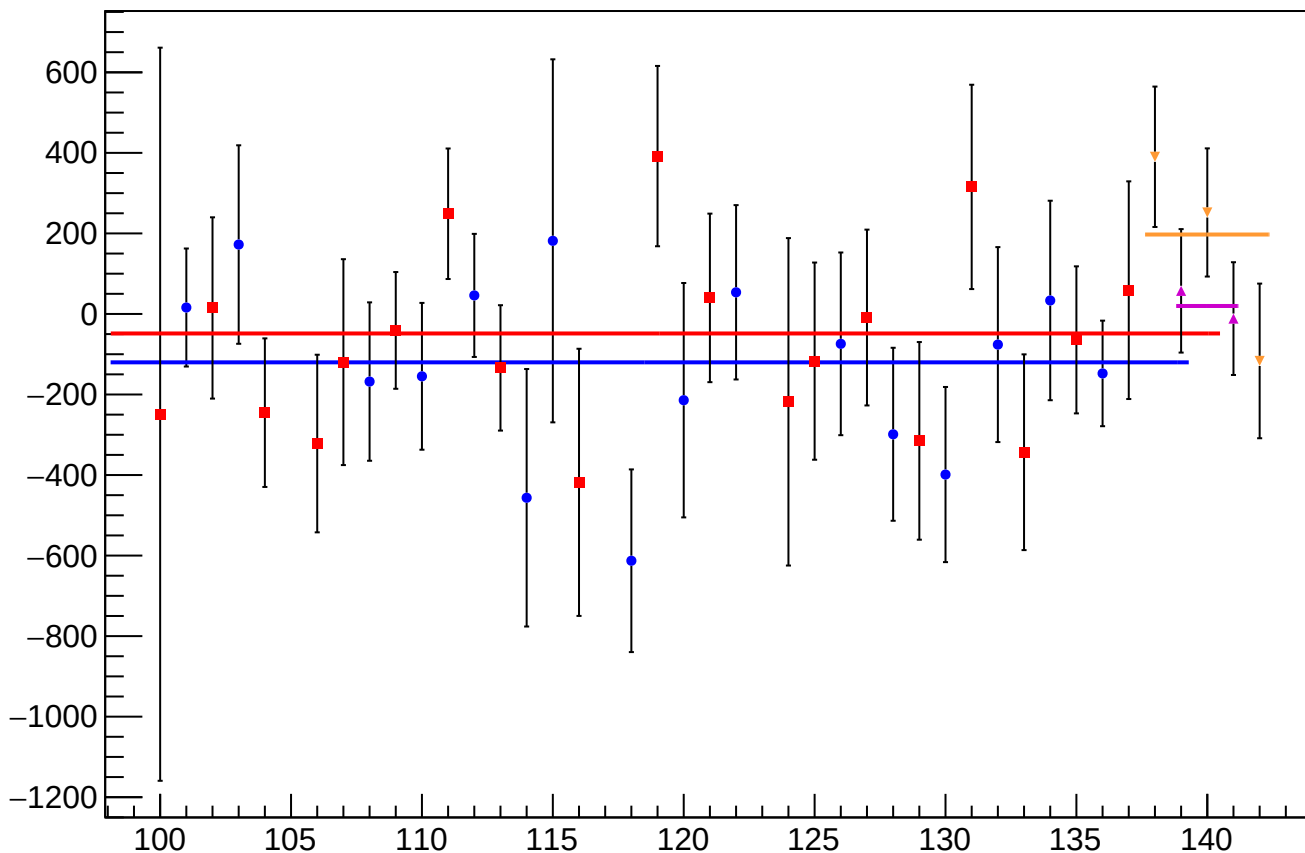
Left In: 0.000+/-0.000 χ^2/NDF :237945.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 5156874.6/18

All: 0.000+/-0.000 χ^2/NDF : 9568041.6/39

- sign 0.000+/-0.000 χ^2/NDF : 3587459.7/20

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159 ± 51.103 $\chi^2/\text{NDF}: 13.4/15$

Left Out: 197.265 ± 100.248 $\chi^2/\text{NDF}: 4.0/2$

Right Out: -48.449 ± 49.910 $\chi^2/\text{NDF}: 17.0/18$

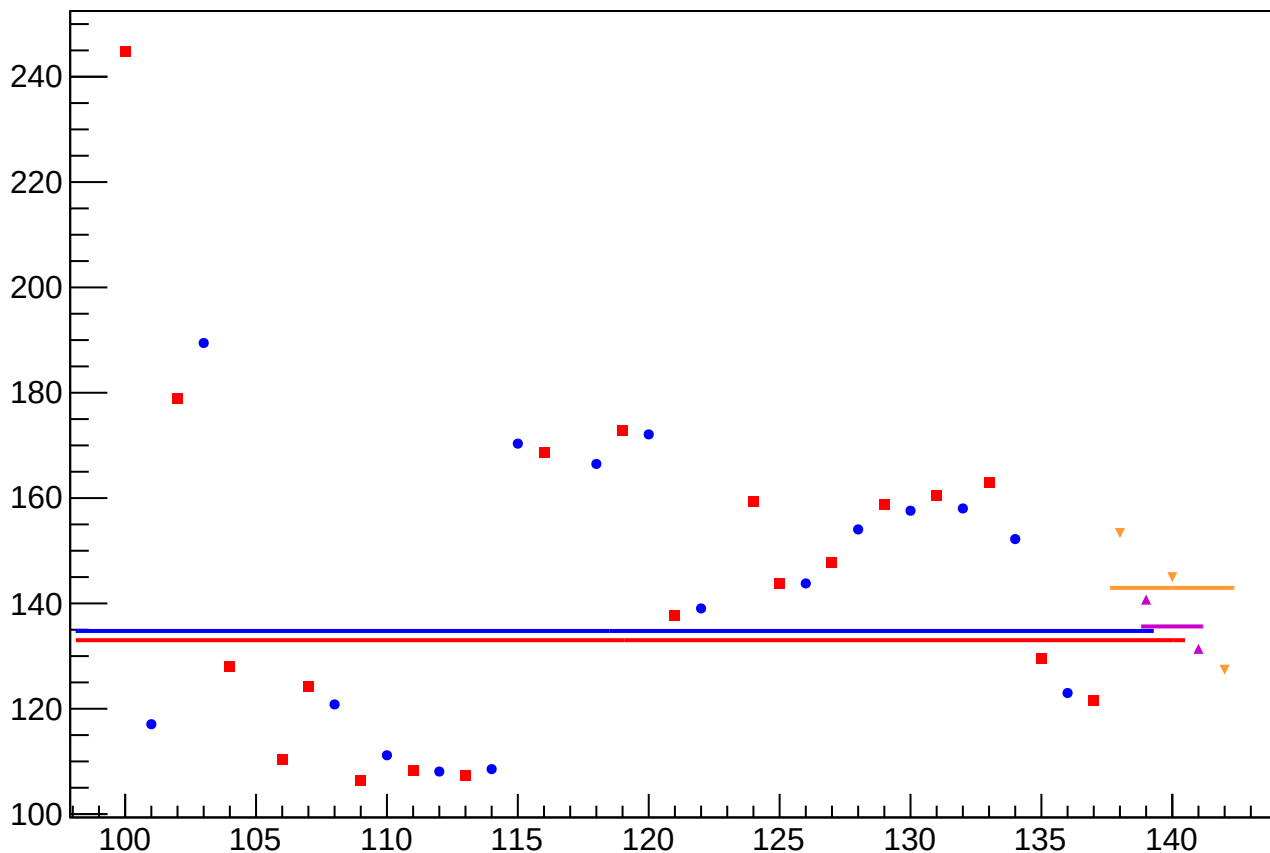
Left In: 19.801 ± 103.383 $\chi^2/\text{NDF}: 0.1/1$

+ sign -54.686 ± 45.529 $\chi^2/\text{NDF}: 25.4/18$

All: -44.994 ± 31.986 $\chi^2/\text{NDF}: 42.9/39$

- sign -35.548 ± 44.946 $\chi^2/\text{NDF}: 17.5/20$

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771 $\pm$ 0.036 χ^2 /NDF: 416778.7/15

Left Out: 142.952 $\pm$ 0.071 χ^2 /NDF: 20561.0/2

Right Out: 133.019 $\pm$ 0.035 χ^2 /NDF: 495717.0/18

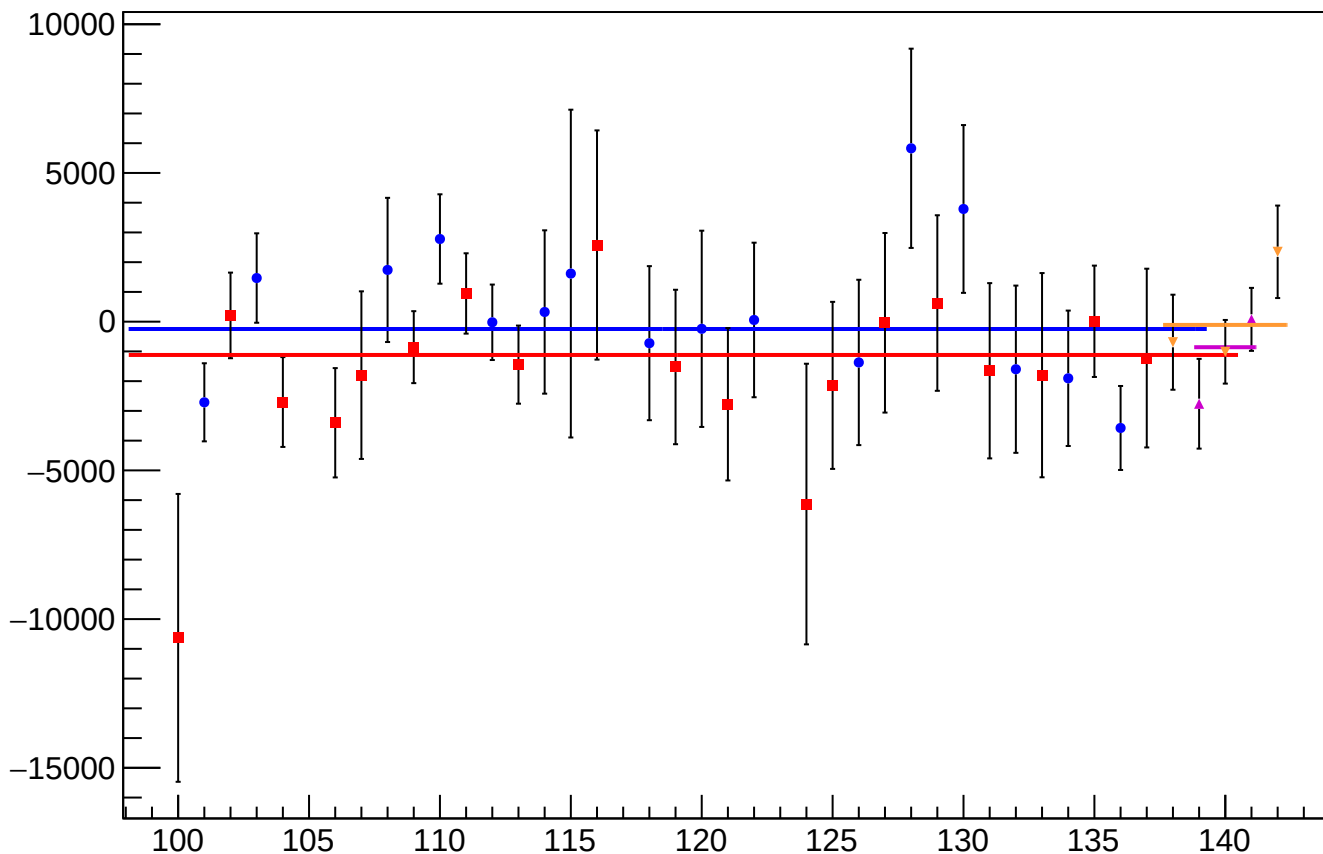
Left In: 135.628 $\pm$ 0.073 χ^2 /NDF: 4053.0/1

+ sign 136.459 $\pm$ 0.032 χ^2 /NDF: 447912.3/18

All: 134.967 $\pm$ 0.023 χ^2 /NDF: 952956.6/39

- sign 133.513 $\pm$ 0.032 χ^2 /NDF: 500803.2/20

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF : 21.6/15

Left Out: -109.253+/-771.771 χ^2/NDF : 3.3/2

Right Out: -1119.420+/-468.400 χ^2/NDF : 13.4/18

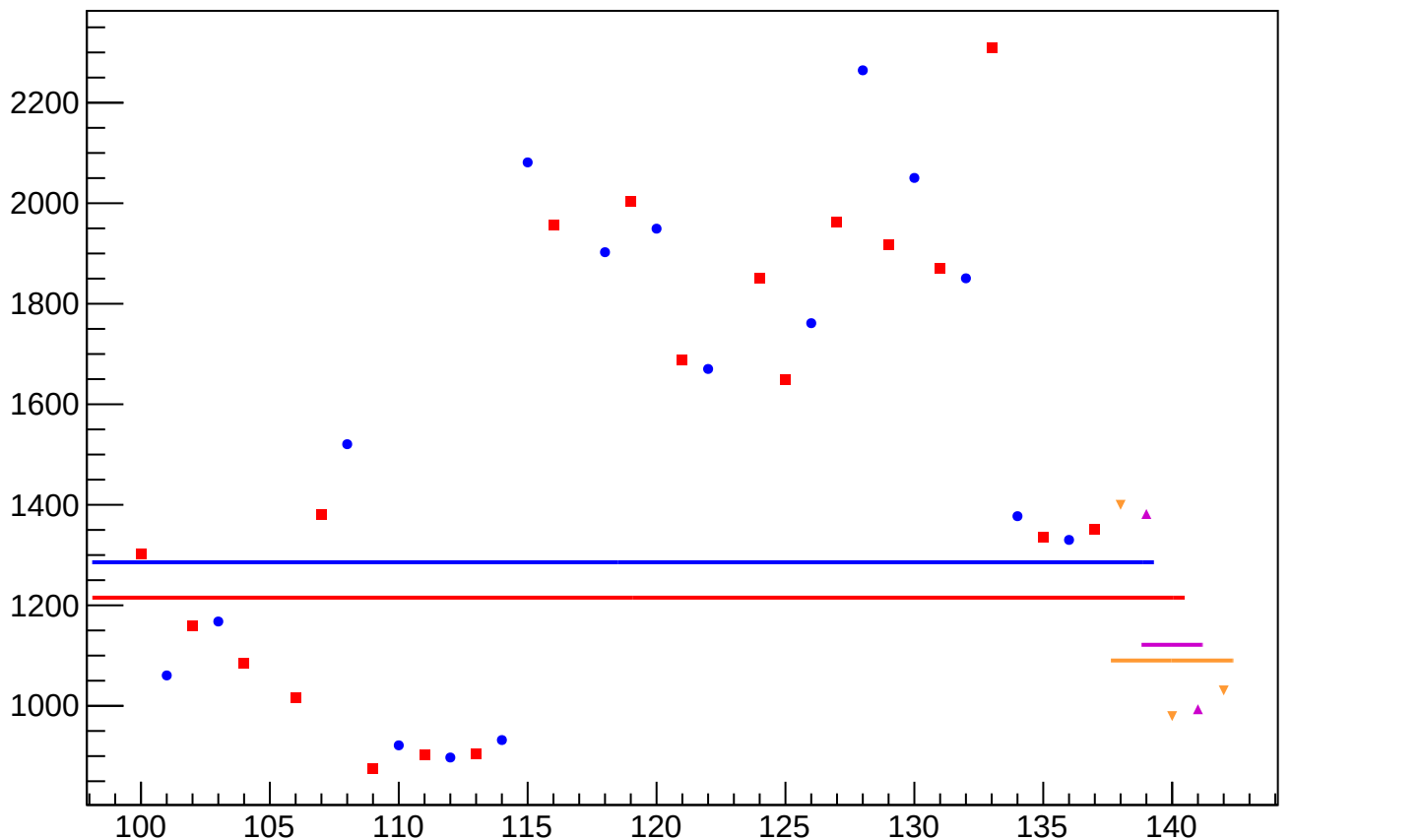
Left In: -858.638+/-866.658 χ^2/NDF : 2.4/1

+ sign -205.663+/-420.466 χ^2/NDF : 25.0/18

All: -641.687+/-294.300 χ^2/NDF : 42.9/39

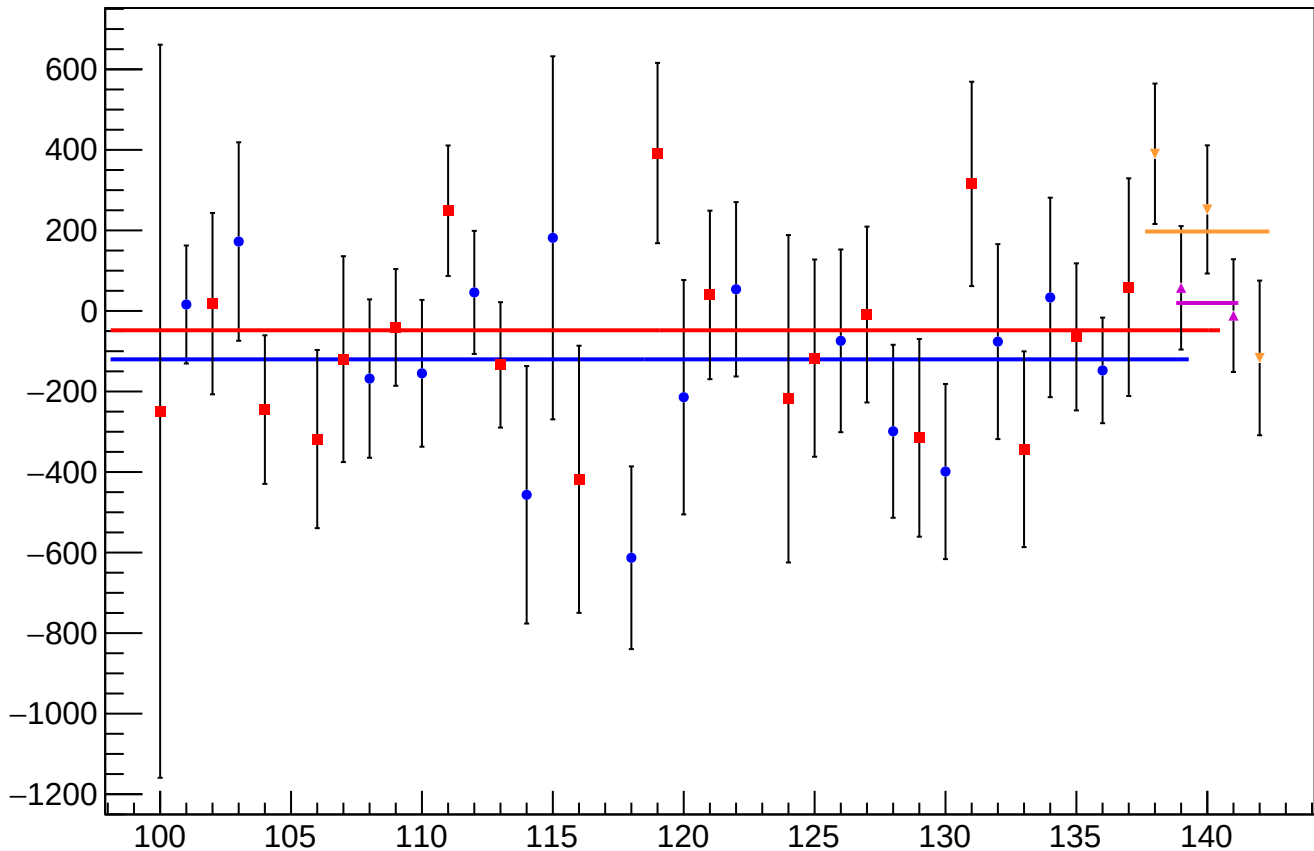
- sign -1060.466+/-412.067 χ^2/NDF : 15.8/20

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668 $\pm$ 0.355 χ^2 /NDF: 1170437.4/15
 Left Out: 1090.211 $\pm$ 0.546 χ^2 /NDF:99490.0/2
 Right Out: 1215.237 $\pm$ 0.331 χ^2 /NDF: 1386290.4/18
 Left In: 1121.452 $\pm$ 0.613 χ^2 /NDF:88815.1/1
 + sign 1227.654 $\pm$ 0.297 χ^2 /NDF: 1360130.9/18
 All: 1210.505 $\pm$ 0.208 χ^2 /NDF: 2859884.4/39
 - sign 1194.035 $\pm$ 0.291 χ^2 /NDF: 1493231.6/20

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169 ± 51.103 χ^2/NDF : 13.4/15

Left Out: 197.279 ± 100.248 χ^2/NDF : 4.0/2

Right Out: -48.013 ± 49.919 χ^2/NDF : 17.0/18

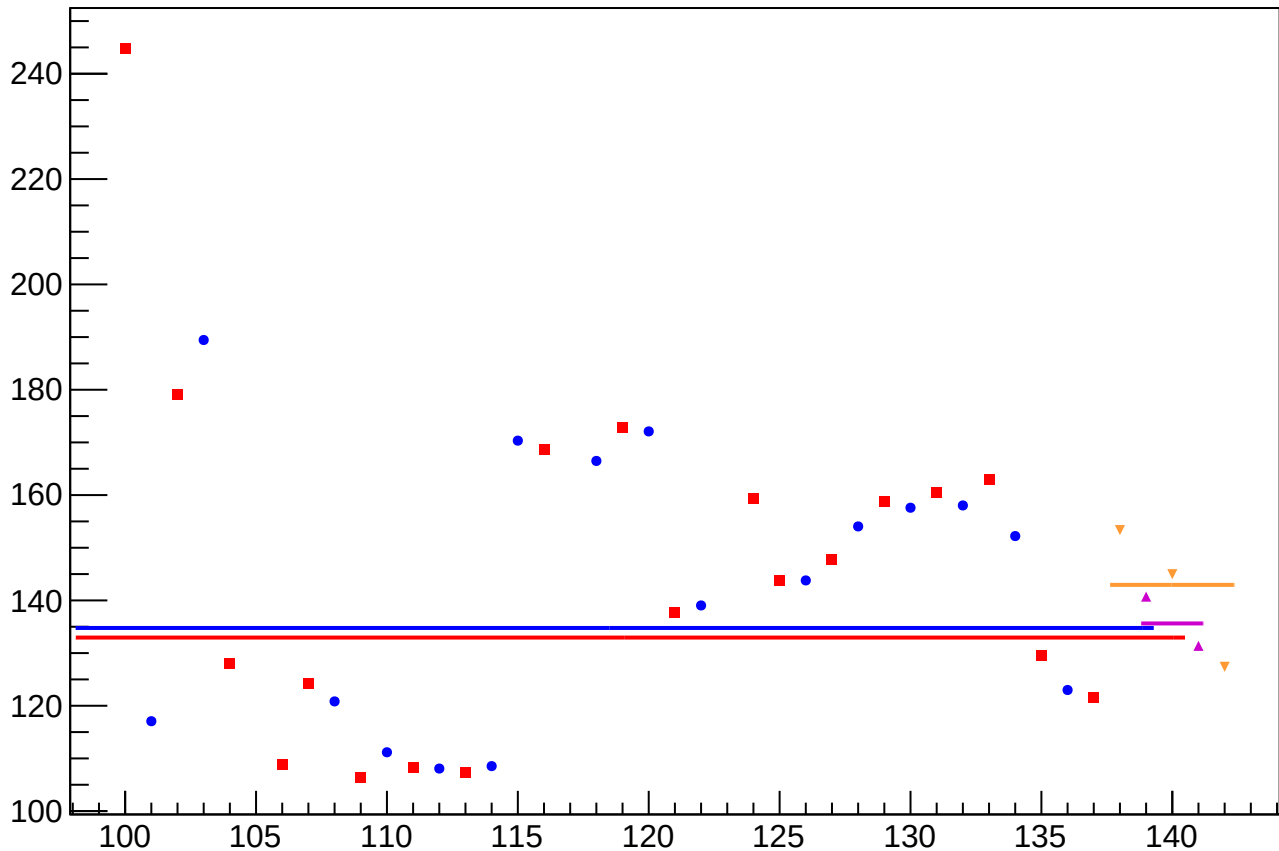
Left In: 19.792 ± 103.383 χ^2/NDF : 0.1/1

+ sign -54.692 ± 45.529 χ^2/NDF : 25.4/18

All: -44.818 ± 31.988 χ^2/NDF : 42.9/39

- sign -35.193 ± 44.953 χ^2/NDF : 17.4/20

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771 $\pm$ 0.036 χ^2 /NDF: 416781.8/15

Left Out: 142.952 $\pm$ 0.071 χ^2 /NDF: 20561.0/2

Right Out: 132.947 $\pm$ 0.035 χ^2 /NDF: 498850.6/18

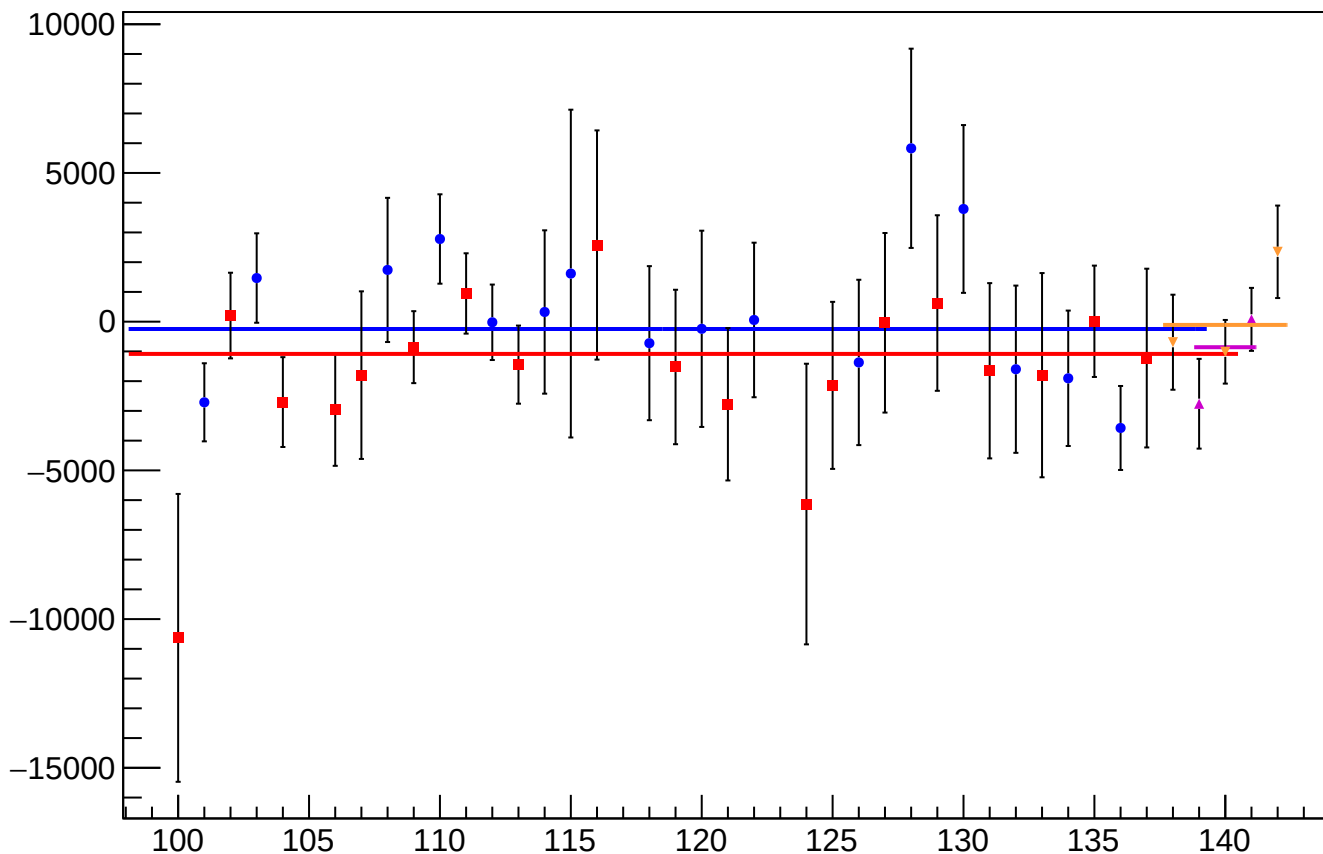
Left In: 135.629 $\pm$ 0.073 χ^2 /NDF: 4053.0/1

+ sign 136.459 $\pm$ 0.032 χ^2 /NDF: 447915.3/18

All: 134.937 $\pm$ 0.023 χ^2 /NDF: 956320.8/39

- sign 133.454 $\pm$ 0.032 χ^2 /NDF: 503994.8/20

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF : 21.6/15

Left Out: -109.238+/-771.770 χ^2/NDF : 3.3/2

Right Out: -1084.094+/-469.323 χ^2/NDF : 12.8/18

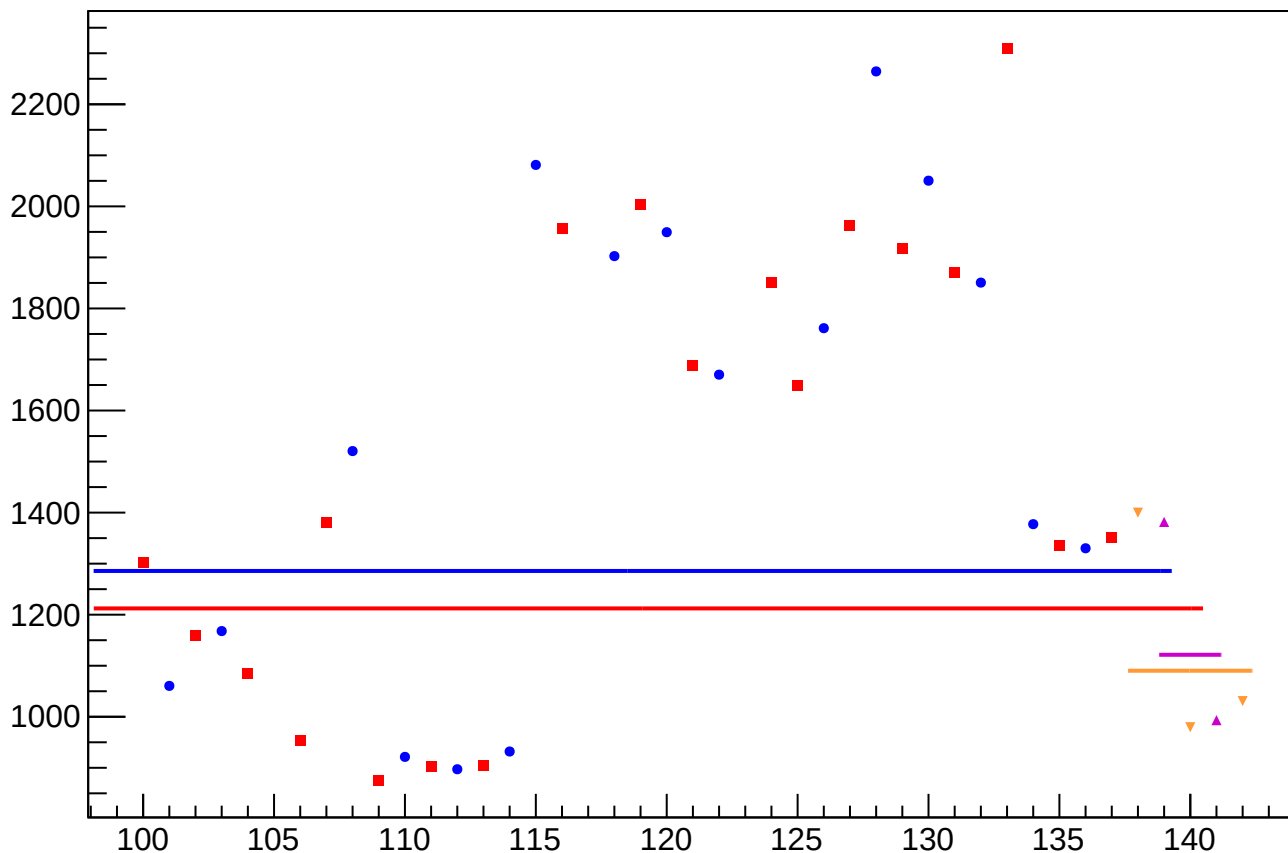
Left In: -858.673+/-866.659 χ^2/NDF : 2.4/1

+ sign -205.707+/-420.469 χ^2/NDF : 25.0/18

All: -627.060+/-294.530 χ^2/NDF : 42.2/39

- sign -1032.978+/-412.696 χ^2/NDF : 15.2/20

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2 /NDF: 1170412.5/15

Left Out: 1090.210+/-0.546 χ^2 /NDF:99490.0/2

Right Out: 1212.276+/-0.332 χ^2 /NDF: 1400635.5/18

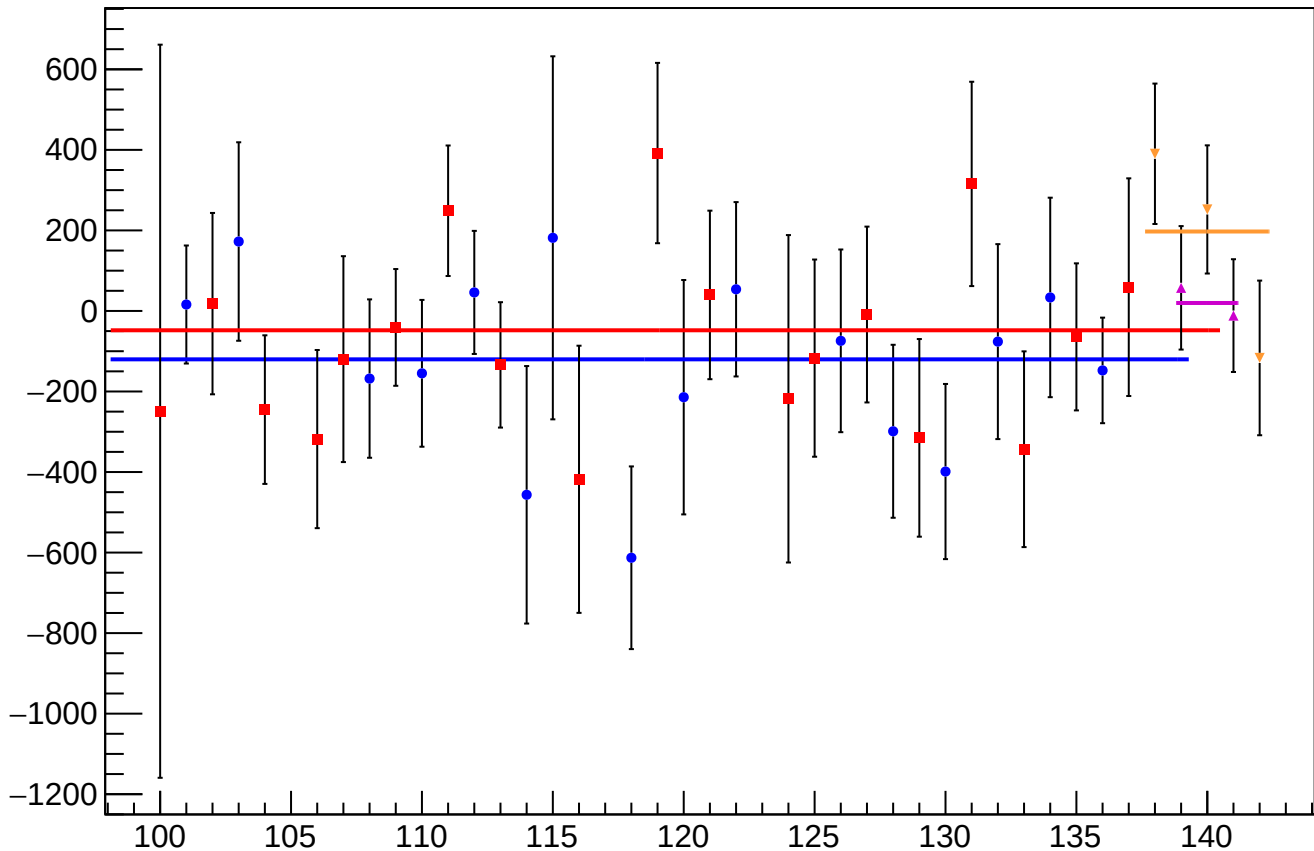
Left In: 1121.453+/-0.613 χ^2 /NDF:88813.8/1

+ sign 1227.662+/-0.297 χ^2 /NDF: 1360119.3/18

All: 1209.336+/-0.208 χ^2 /NDF: 2874012.1/39

- sign 1191.681+/-0.292 χ^2 /NDF: 1506433.2/20

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF : 13.4/15

Left Out: 197.279+/-100.248 χ^2/NDF : 4.0/2

Right Out: -48.013+/-49.919 χ^2/NDF : 17.0/18

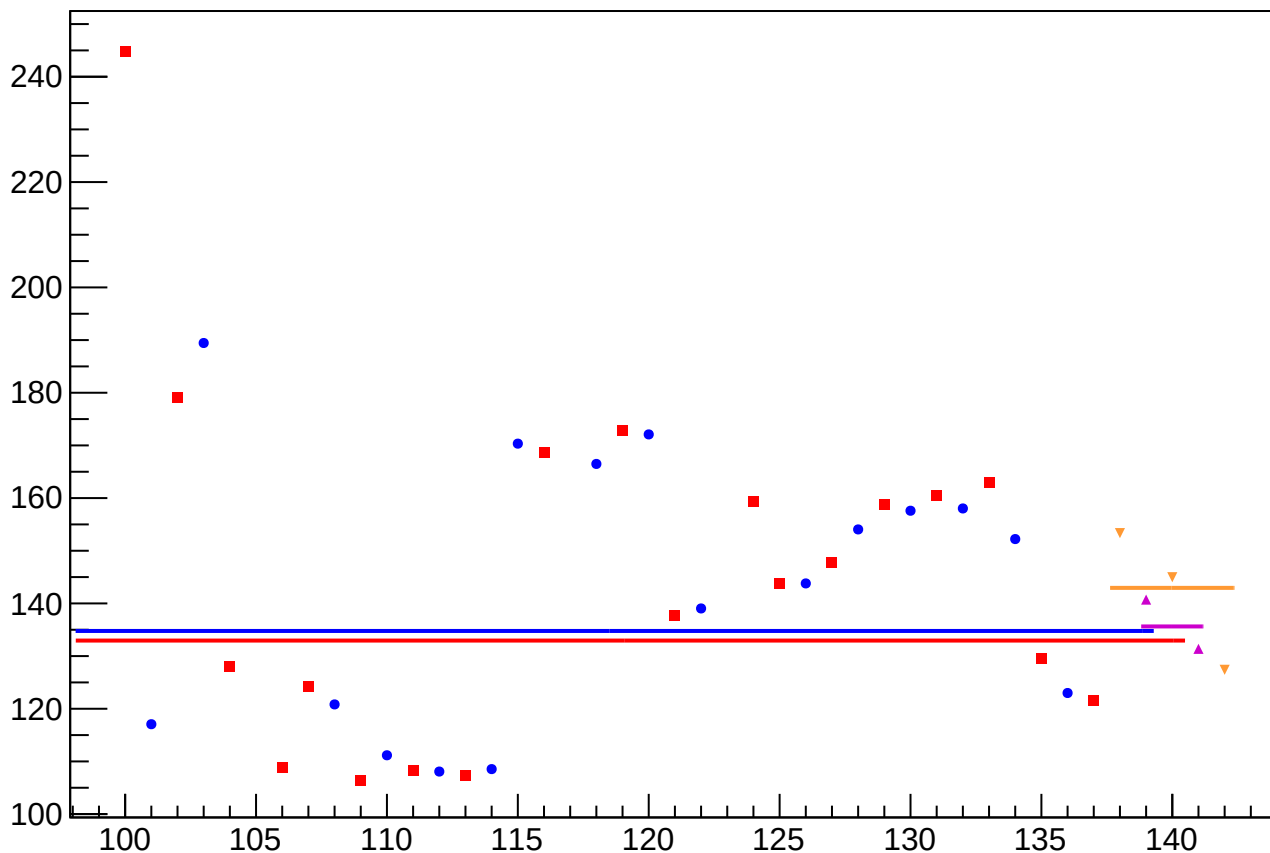
Left In: 19.792+/-103.383 χ^2/NDF : 0.1/1

+ sign -54.692+/-45.529 χ^2/NDF : 25.4/18

All: -44.818+/-31.988 χ^2/NDF : 42.9/39

- sign -35.193+/-44.953 χ^2/NDF : 17.4/20

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF : 416781.8/15

Left Out: 142.952+/-0.071 χ^2/NDF : 20561.0/2

Right Out: 132.947+/-0.035 χ^2/NDF : 498850.6/18

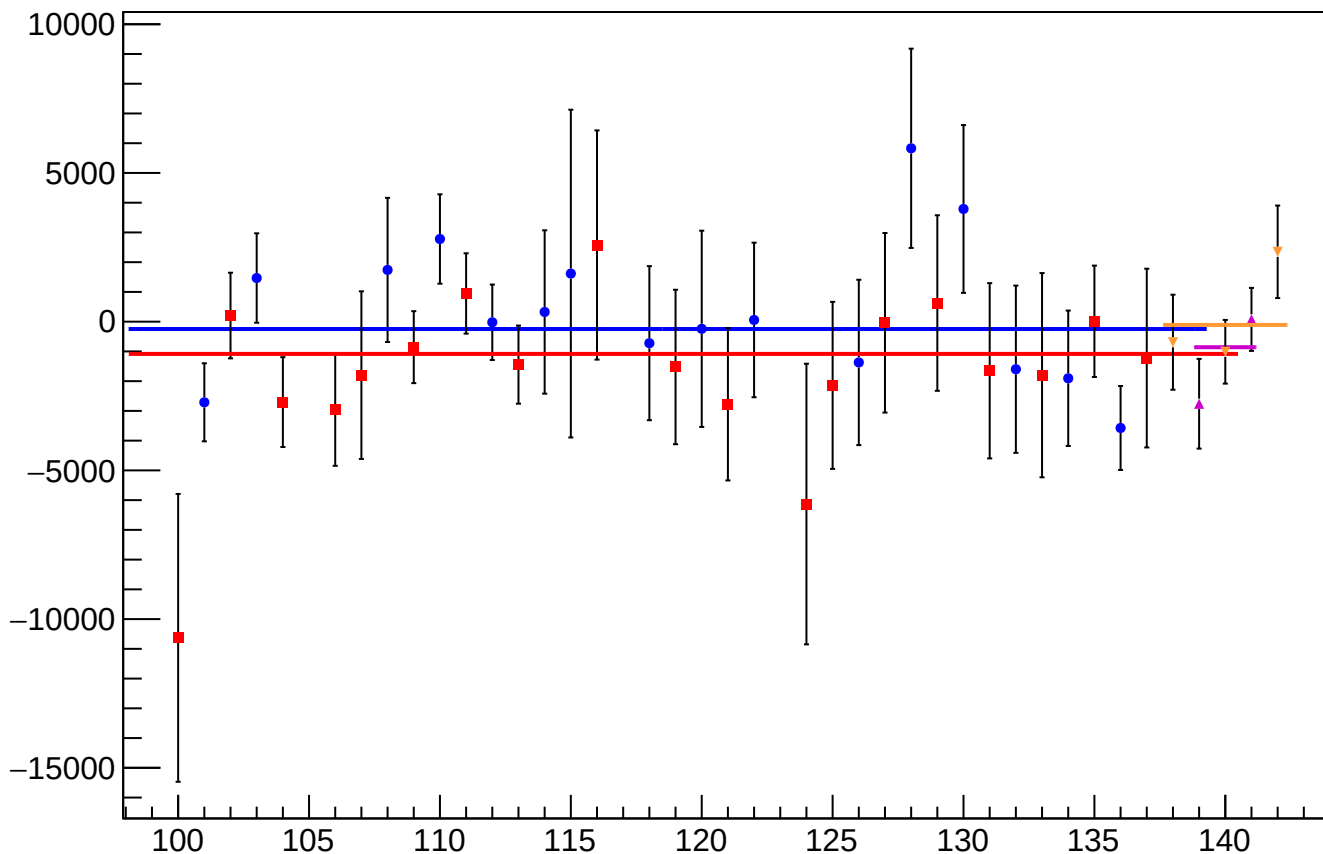
Left In: 135.629+/-0.073 χ^2/NDF : 4053.0/1

+ sign 136.459+/-0.032 χ^2/NDF : 447915.3/18

All: 134.937+/-0.023 χ^2/NDF : 956320.8/39

- sign 133.454+/-0.032 χ^2/NDF : 503994.8/20

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF : 21.6/15

Left Out: -109.238+/-771.770 χ^2/NDF : 3.3/2

Right Out: -1084.094+/-469.323 χ^2/NDF : 12.8/18

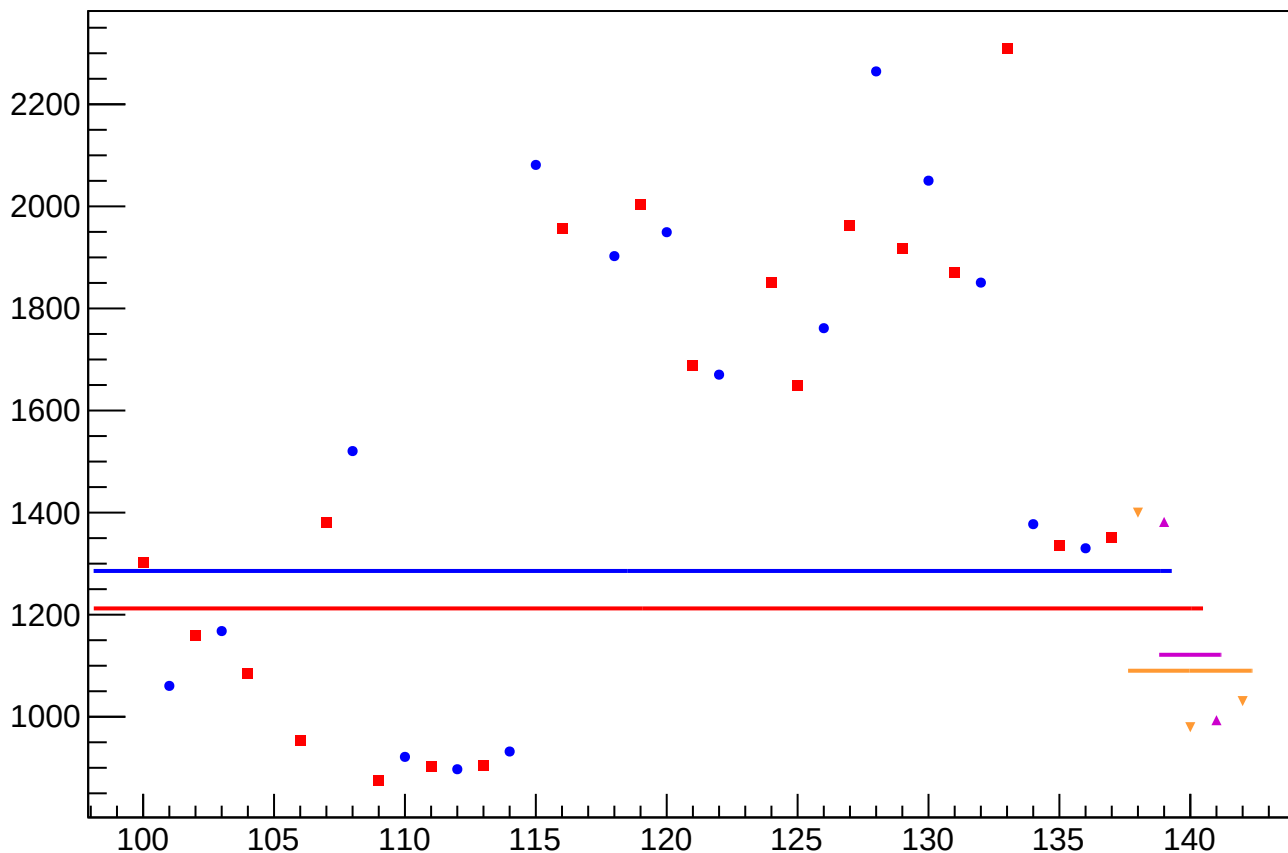
Left In: -858.673+/-866.659 χ^2/NDF : 2.4/1

+ sign -205.707+/-420.469 χ^2/NDF : 25.0/18

All: -627.060+/-294.530 χ^2/NDF : 42.2/39

- sign -1032.978+/-412.696 χ^2/NDF : 15.2/20

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: 1090.210 $\pm$ 0.546 χ^2 /NDF: 99490.0/2

Right Out: 1212.276 $\pm$ 0.332 χ^2 /NDF: 1400635.5/18

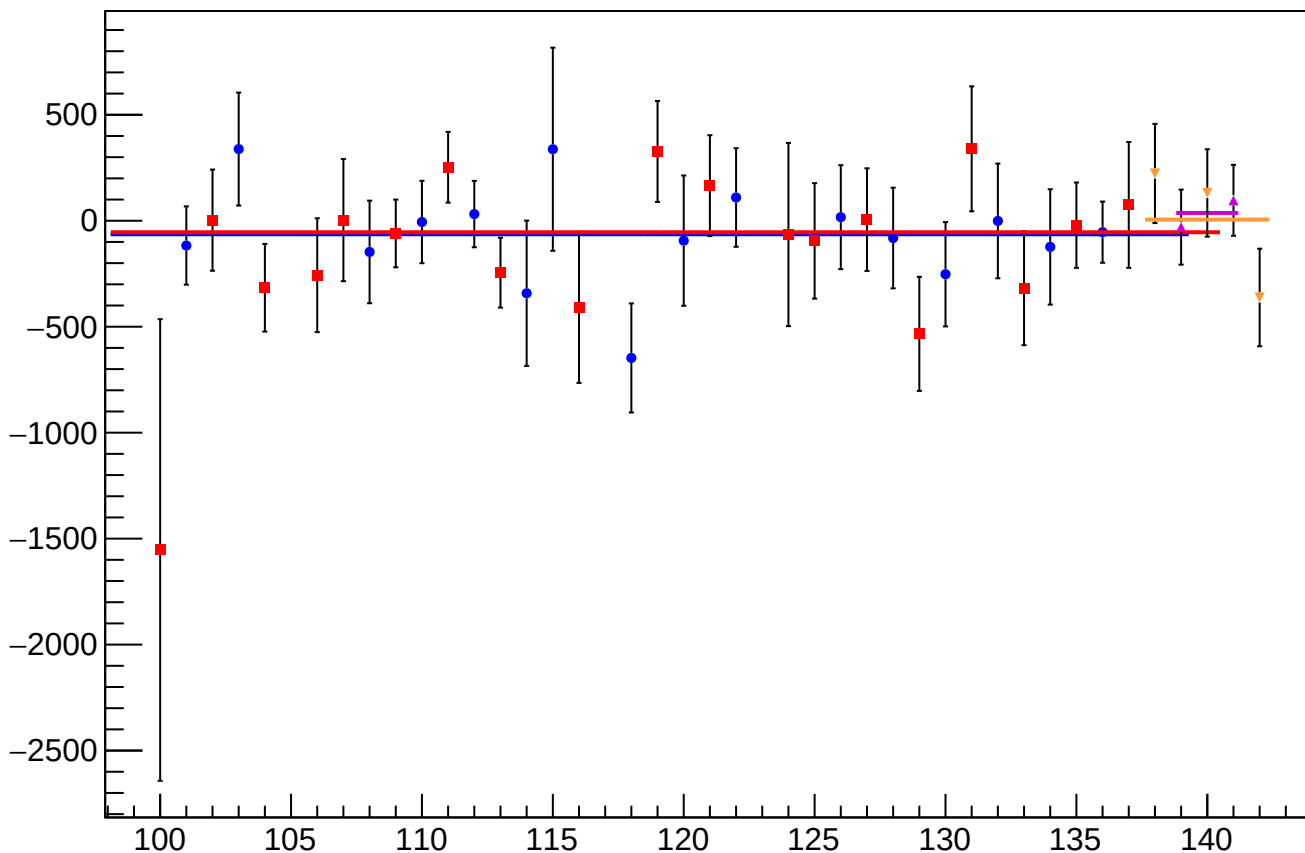
Left In: 1121.453 $\pm$ 0.613 χ^2 /NDF: 88813.8/1

+ sign 1227.662 $\pm$ 0.297 χ^2 /NDF: 1360119.3/18

All: 1209.336 $\pm$ 0.208 χ^2 /NDF: 2874012.1/39

- sign 1191.681 $\pm$ 0.292 χ^2 /NDF: 1506433.2/20

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF : 10.8/15

Left Out: 5.431+/-128.403 χ^2/NDF :3.8/2

Right Out: -54.305 ± 54.743 χ^2/NDF : 19.5/18

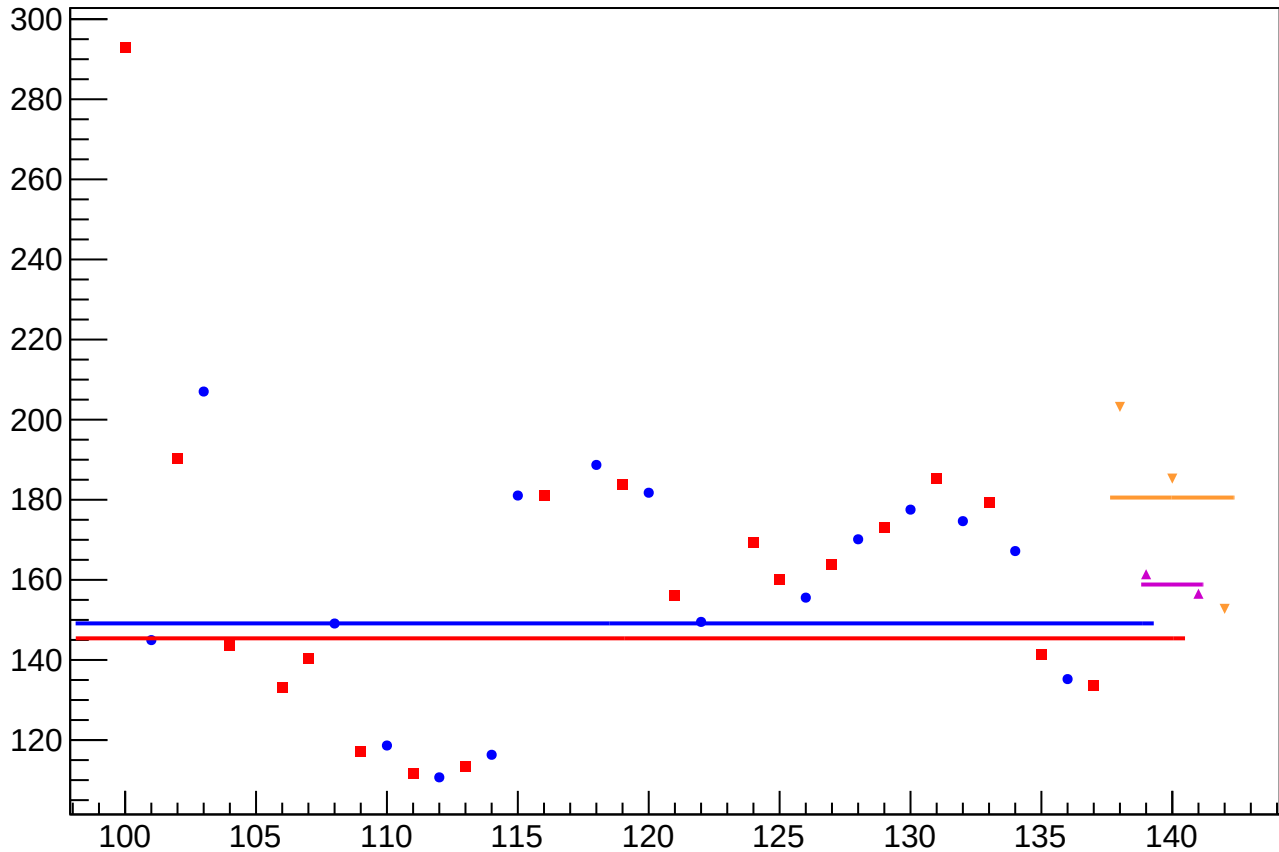
Left In: 36.763+/-121.612 χ^2/NDF :0.3/1

+ sign -52.476+/-51.894 χ^2/NDF : 14.8/18

All: -45.457 ± 35.976 χ^2/NDF : 35.1/39

- sign -38.961+/-49.918 χ^2/NDF : 20.2/20

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130 $\pm$ 0.040 χ^2 /NDF: 451003.6/15

Left Out: 180.551 $\pm$ 0.091 χ^2 /NDF: 48915.6/2

Right Out: 145.399 $\pm$ 0.039 χ^2 /NDF: 525820.0/18

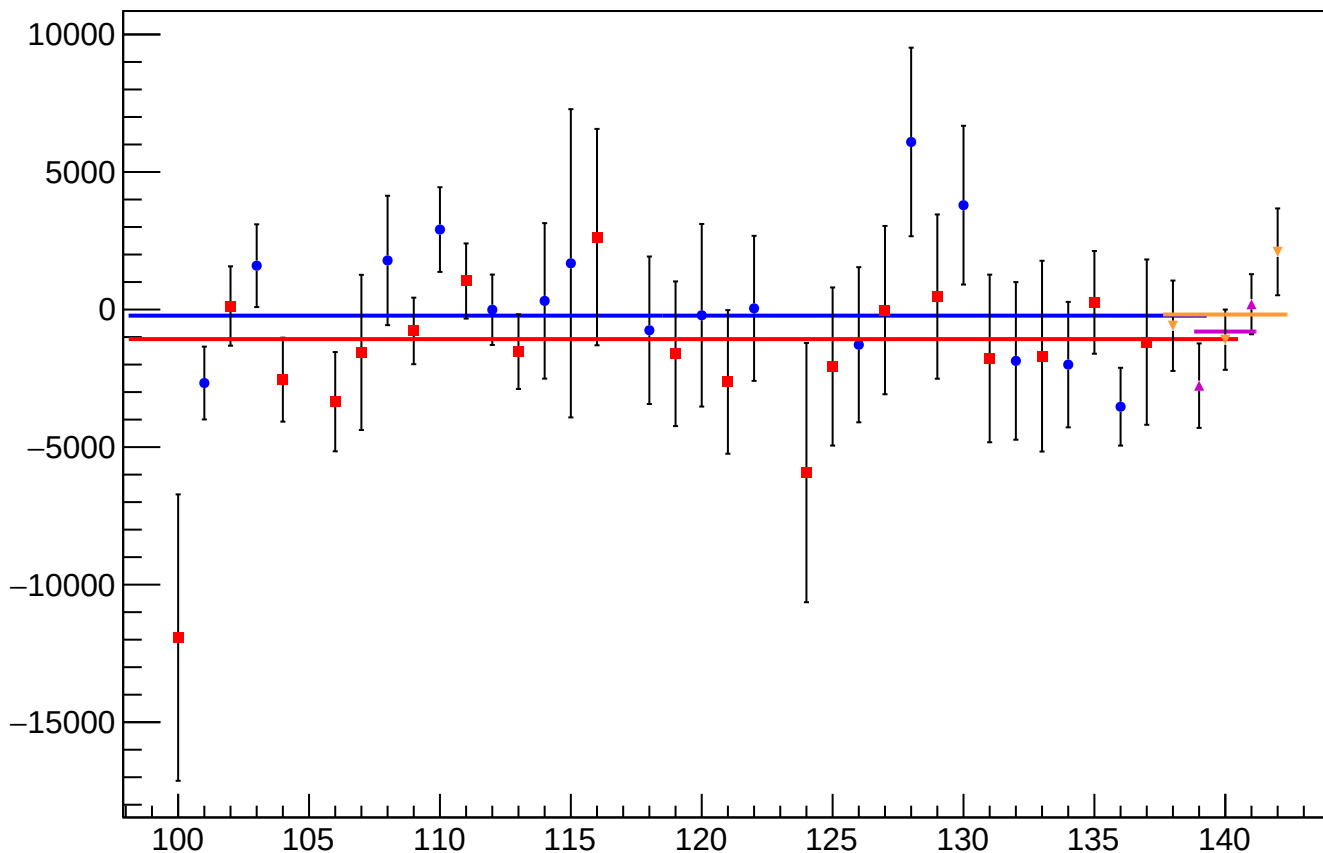
Left In: 158.836 $\pm$ 0.086 χ^2 /NDF: 797.9/1

+ sign 154.262 $\pm$ 0.037 χ^2 /NDF: 600119.7/18

All: 150.835 $\pm$ 0.025 χ^2 /NDF: 1163839.1/39

- sign 147.663 $\pm$ 0.035 χ^2 /NDF: 546919.6/20

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF : 21.9/15

Left Out: -180.196+/-789.067 χ^2/NDF : 2.8/2

Right Out: -1074.433+/-472.816 χ^2/NDF : 13.6/18

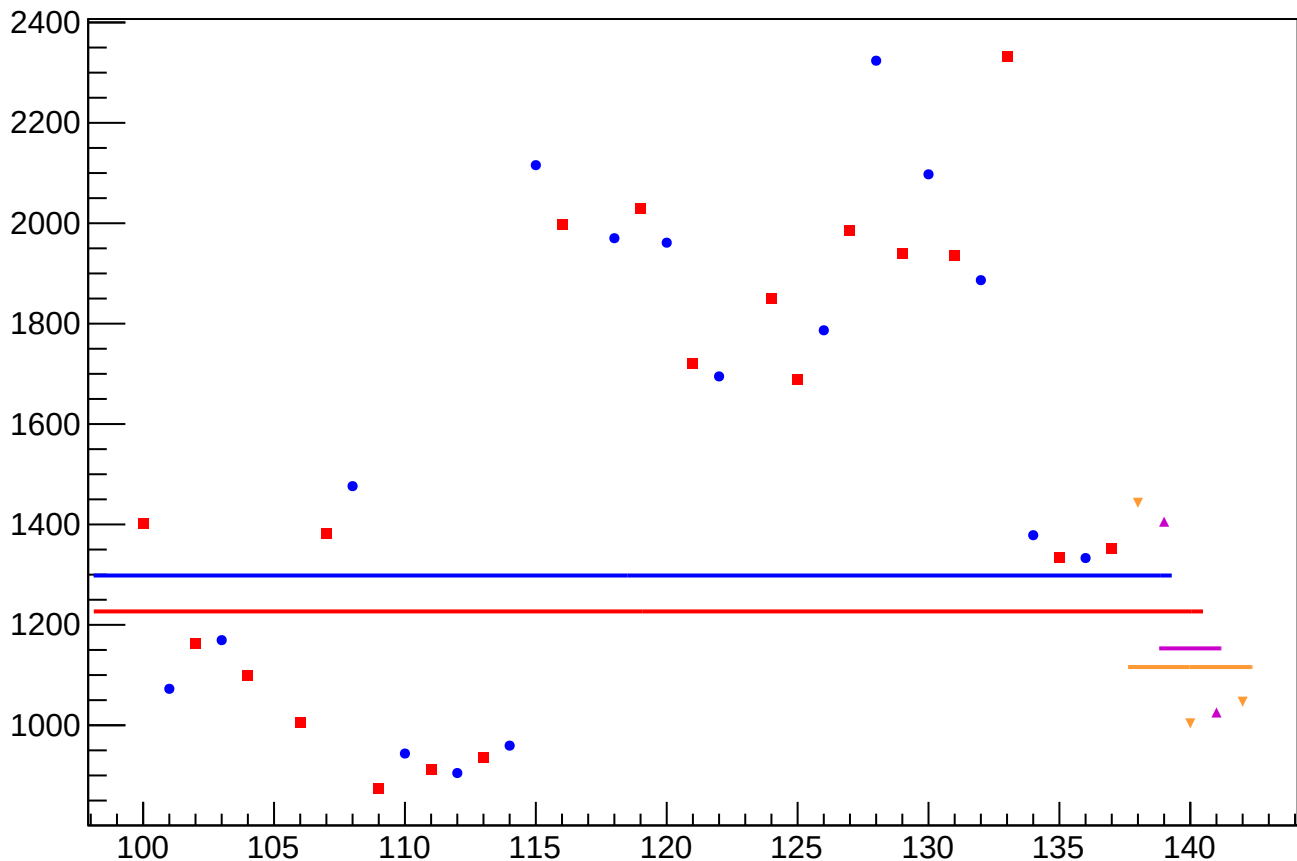
Left In: -800.229+/-889.832 χ^2/NDF : 2.5/1

+ sign -209.273+/-426.065 χ^2/NDF : 24.7/18

All: -619.805+/-298.211 χ^2/NDF : 42.7/39

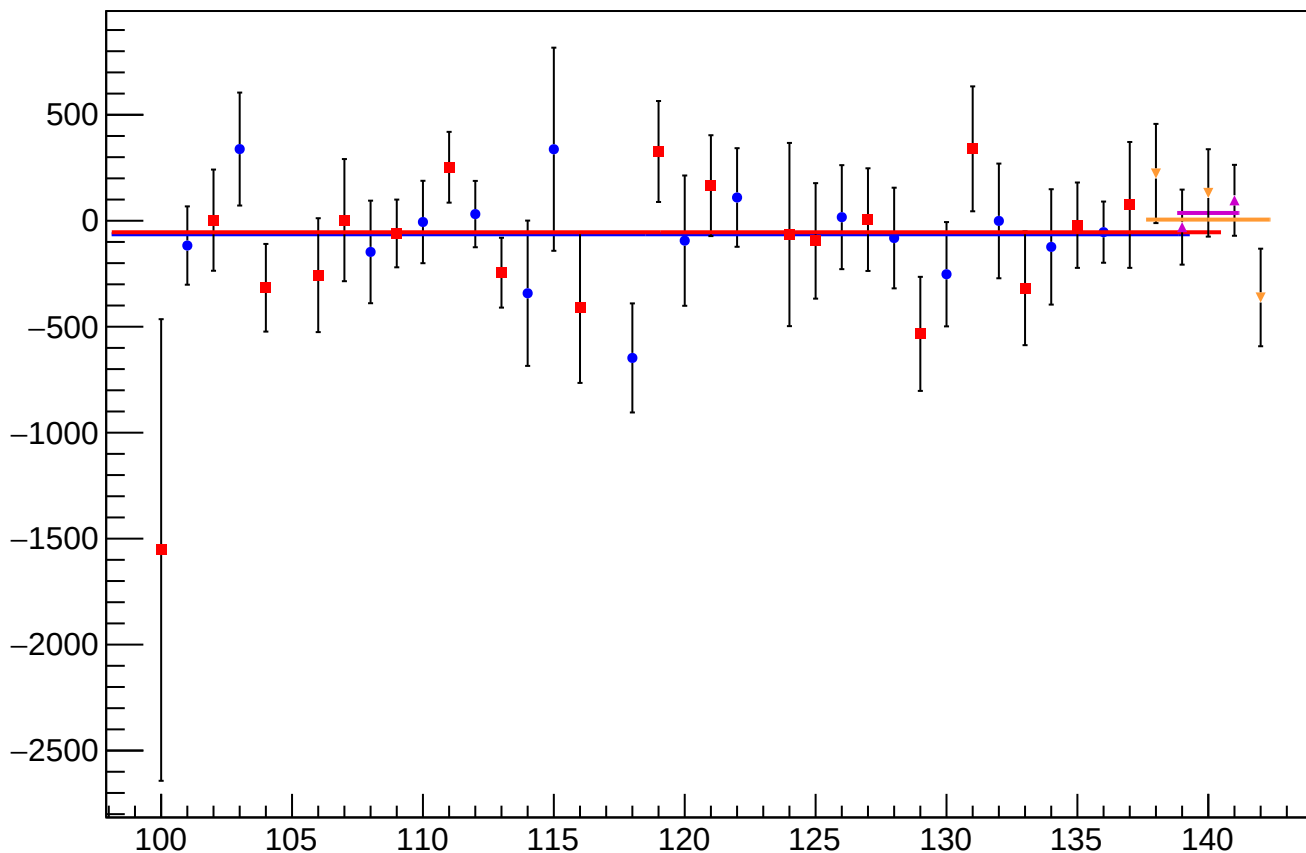
- sign -1014.060+/-417.533 χ^2/NDF : 16.2/20

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF : 1182123.0/15
 Left Out: 1115.965+/-0.558 χ^2/NDF : 104232.2/2
 Right Out: 1226.729+/-0.334 χ^2/NDF : 1404521.7/18
 Left In: 1153.128+/-0.629 χ^2/NDF : 81390.0/1
 + sign 1245.134+/-0.301 χ^2/NDF : 1362006.1/18
 All: 1227.479+/-0.211 χ^2/NDF : 2865320.3/39
 - sign 1210.523+/-0.295 χ^2/NDF : 1496582.0/20

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778 ± 56.734 χ^2/NDF : 10.8/15

Left Out: 5.433 ± 128.403 χ^2/NDF : 3.8/2

Right Out: -54.304 ± 54.743 χ^2/NDF : 19.5/18

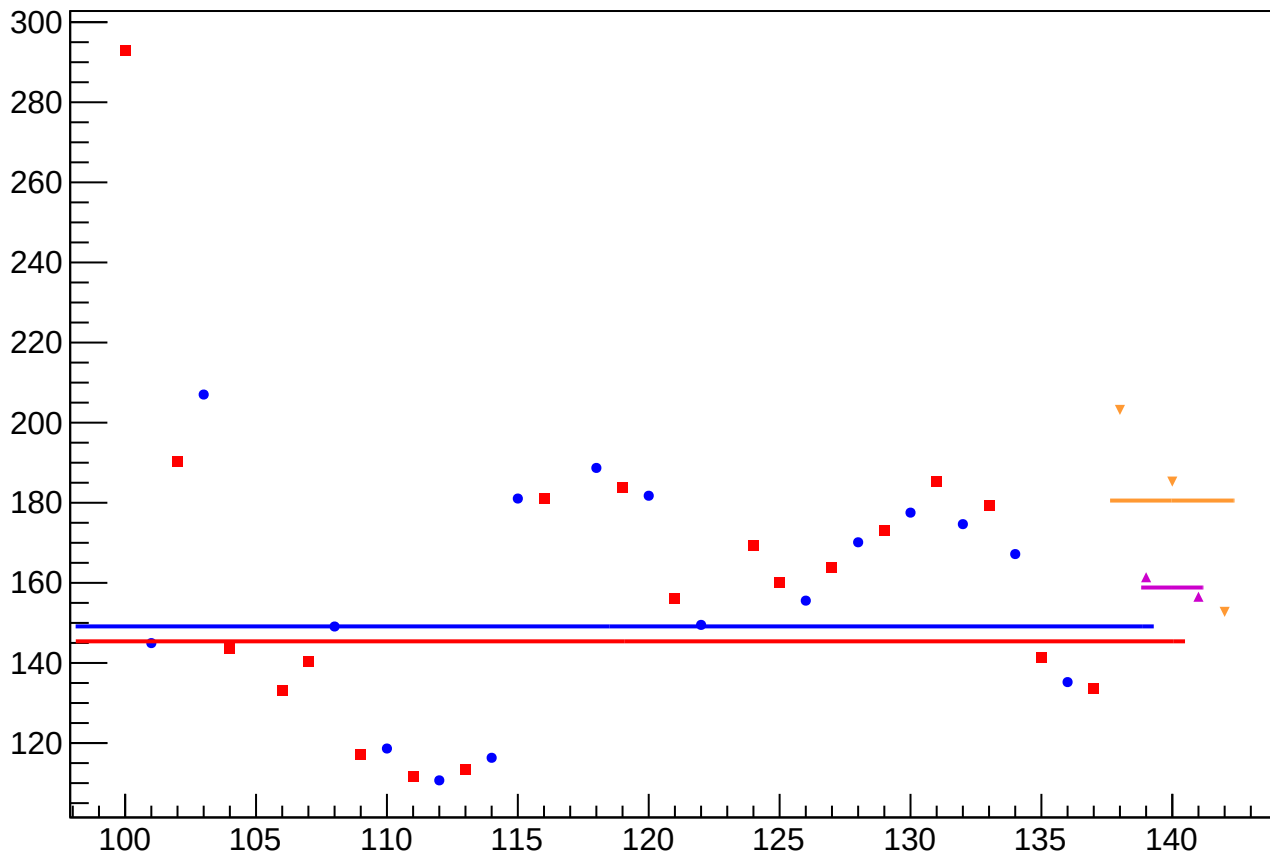
Left In: 36.765 ± 121.612 χ^2/NDF : 0.3/1

+ sign -52.473 ± 51.894 χ^2/NDF : 14.8/18

All: -45.455 ± 35.976 χ^2/NDF : 35.1/39

- sign -38.960 ± 49.918 χ^2/NDF : 20.2/20

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130 +/- 0.040 χ^2/NDF : 451005.1/15

Left Out: 180.551 +/- 0.091 χ^2/NDF : 48913.6/2

Right Out: 145.399 +/- 0.039 χ^2/NDF : 525822.2/18

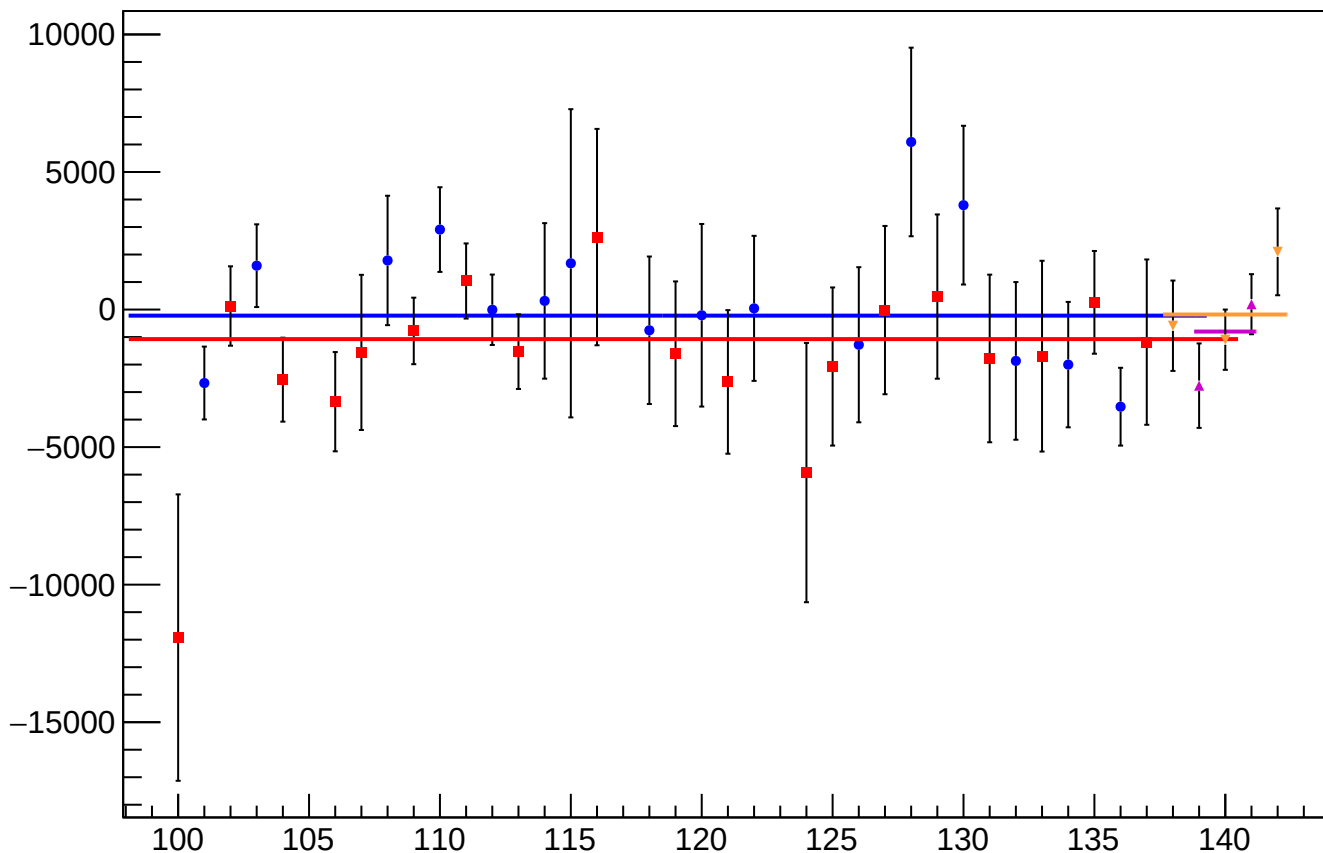
Left In: 158.836 +/- 0.086 χ^2/NDF : 797.7/1

+ sign 154.262 +/- 0.037 χ^2/NDF : 600120.4/18

All: 150.835 +/- 0.025 χ^2/NDF : 1163842.2/39

- sign 147.663 +/- 0.035 χ^2/NDF : 546921.6/20

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -221.239+/-506.201 χ^2/NDF : 21.9/15

Left Out: -180.199+/-789.066 χ^2/NDF : 2.8/2

Right Out: -1074.432+/-472.816 χ^2/NDF : 13.6/18

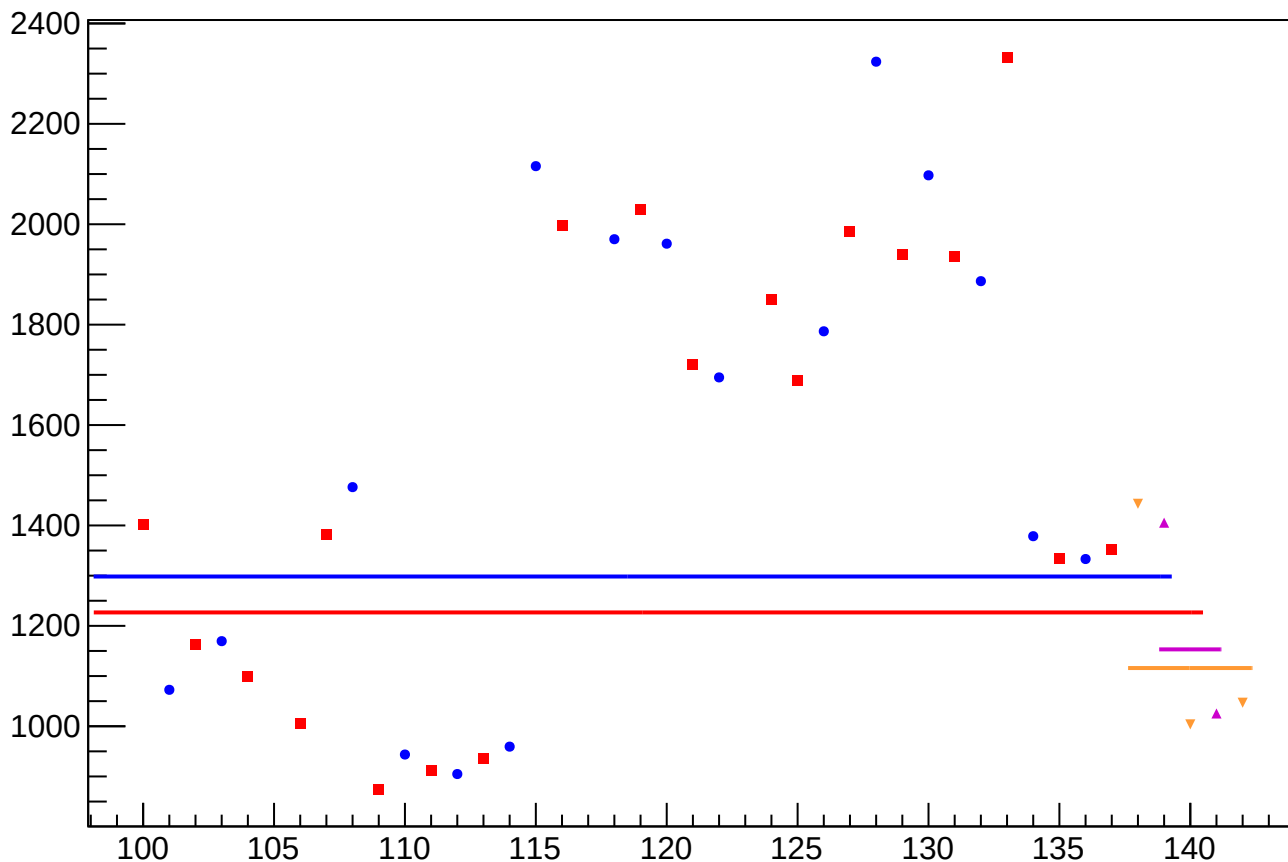
Left In: -800.229+/-889.830 χ^2/NDF : 2.5/1

+ sign -209.274+/-426.064 χ^2/NDF : 24.7/18

All: -619.805+/-298.211 χ^2/NDF : 42.7/39

- sign -1014.059+/-417.533 χ^2/NDF : 16.2/20

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF : 1182127.2/15

Left Out: 1115.963+/-0.558 χ^2/NDF : 104231.5/2

Right Out: 1226.727+/-0.334 χ^2/NDF : 1404524.7/18

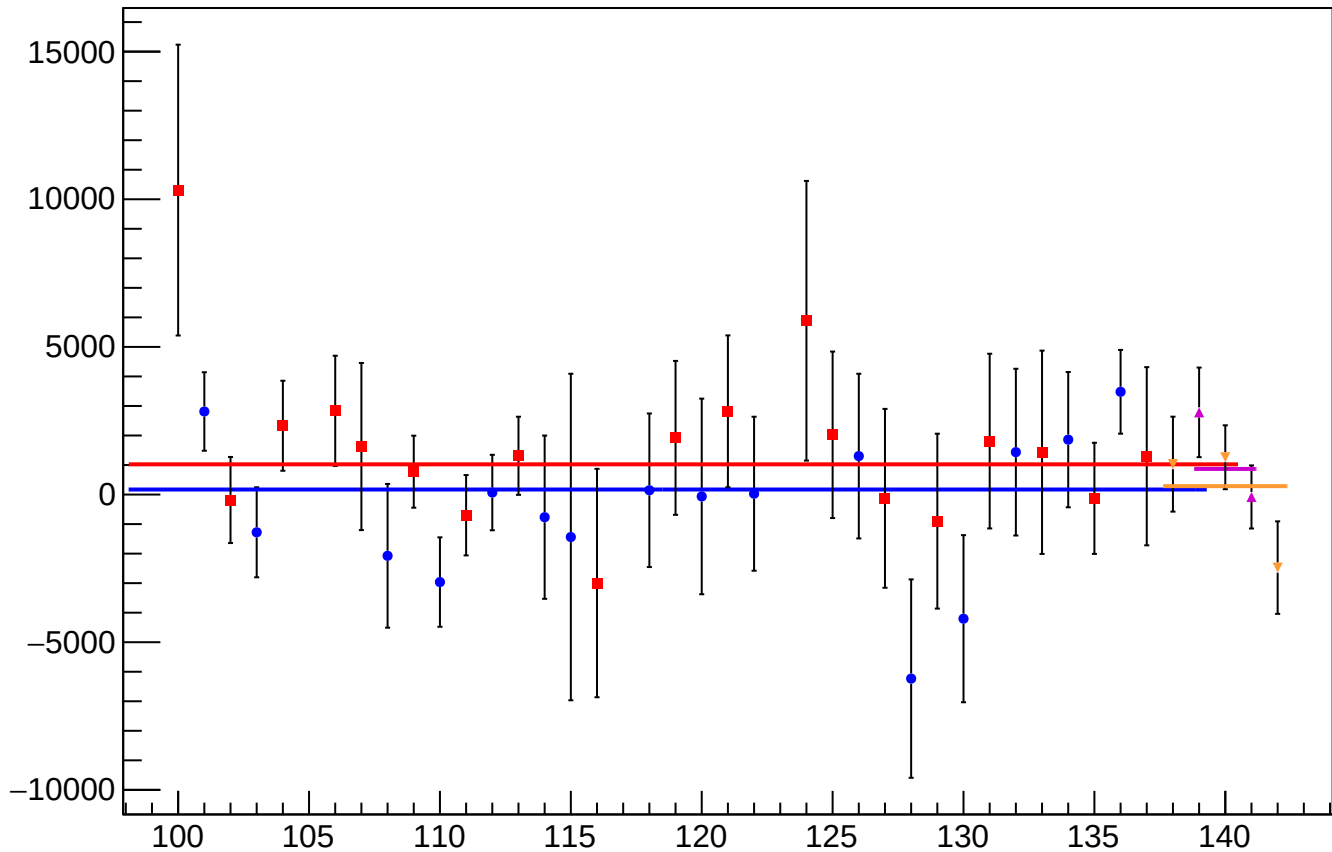
Left In: 1153.125+/-0.629 χ^2/NDF : 81390.7/1

+ sign 1245.132+/-0.301 χ^2/NDF : 1362010.2/18

All: 1227.477+/-0.211 χ^2/NDF : 2865328.5/39

- sign 1210.522+/-0.295 χ^2/NDF : 1496586.0/20

asym_sam_48_avg_mean vs Slug



Right In: 171.056 $\pm$ 505.136 χ^2 /NDF: 22.6/15

Left Out: 284.851 $\pm$ 778.943 χ^2 /NDF: 4.1/2

Right Out: 1023.699 $\pm$ 472.008 χ^2 /NDF: 11.6/18

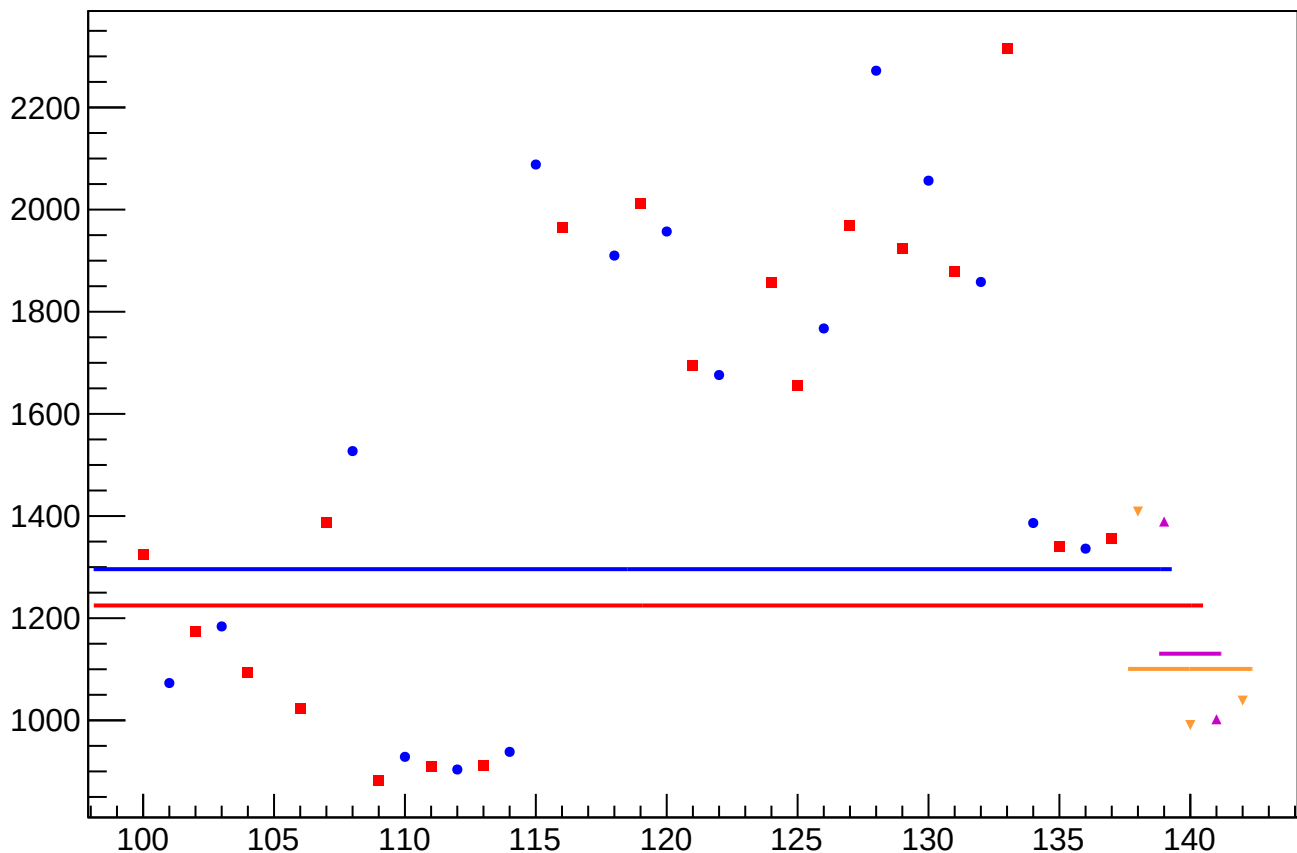
Left In: 868.074 $\pm$ 873.341 χ^2 /NDF: 2.4/1

+ sign 204.744 $\pm$ 423.820 χ^2 /NDF: 26.7/18

All: 604.643 $\pm$ 296.607 χ^2 /NDF: 42.4/39

- sign 988.517 $\pm$ 415.242 χ^2 /NDF: 14.0/20

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF : 1154185.9/15

Left Out: 1100.708+/-0.551 χ^2/NDF : 97216.9/2

Right Out: 1224.872+/-0.334 χ^2/NDF : 1371285.2/18

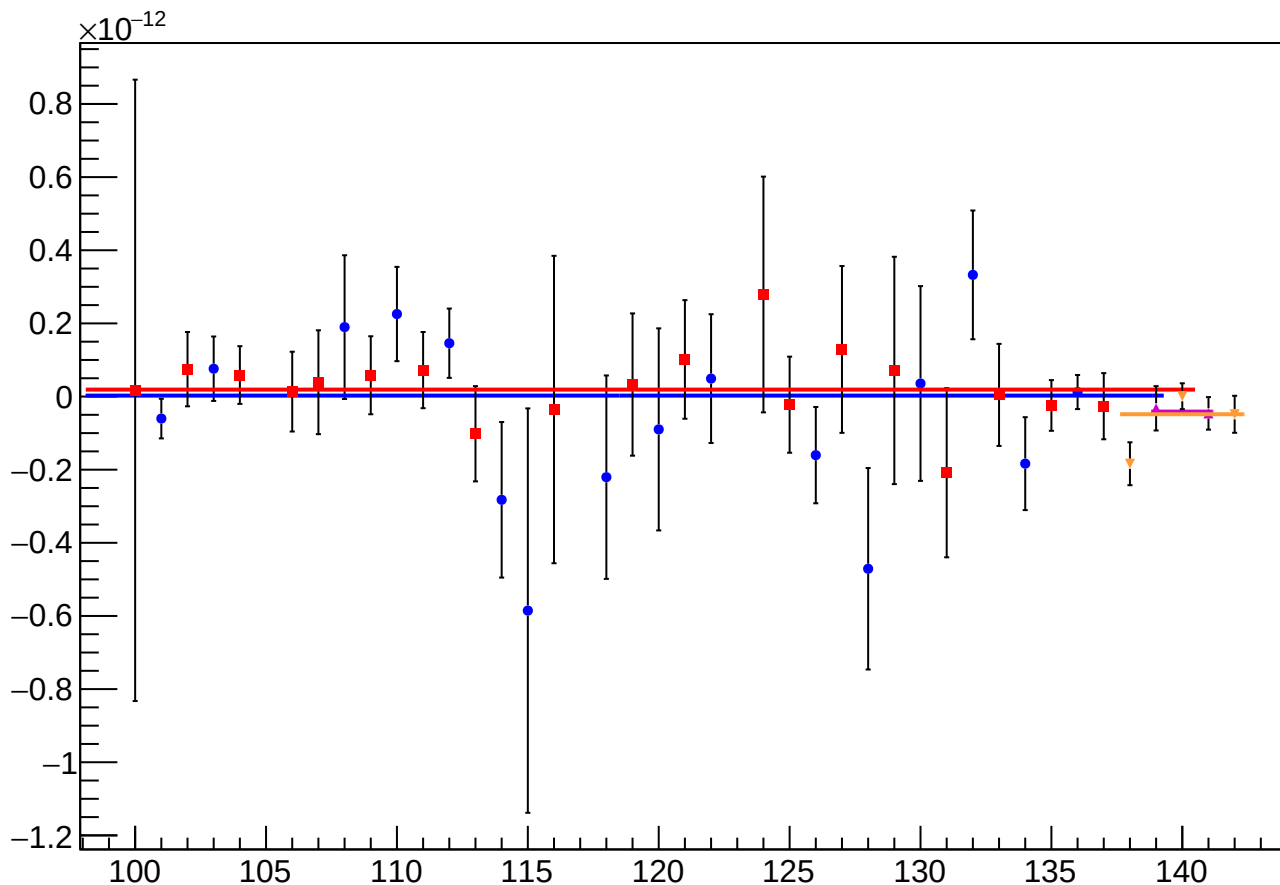
Left In: 1130.461+/-0.618 χ^2/NDF : 87062.8/1

+ sign 1238.176+/-0.300 χ^2/NDF : 1339888.9/18

All: 1220.498+/-0.210 χ^2/NDF : 2823145.7/39

- sign 1203.529+/-0.294 χ^2/NDF : 1476436.9/20

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF : 7.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 4.7/18

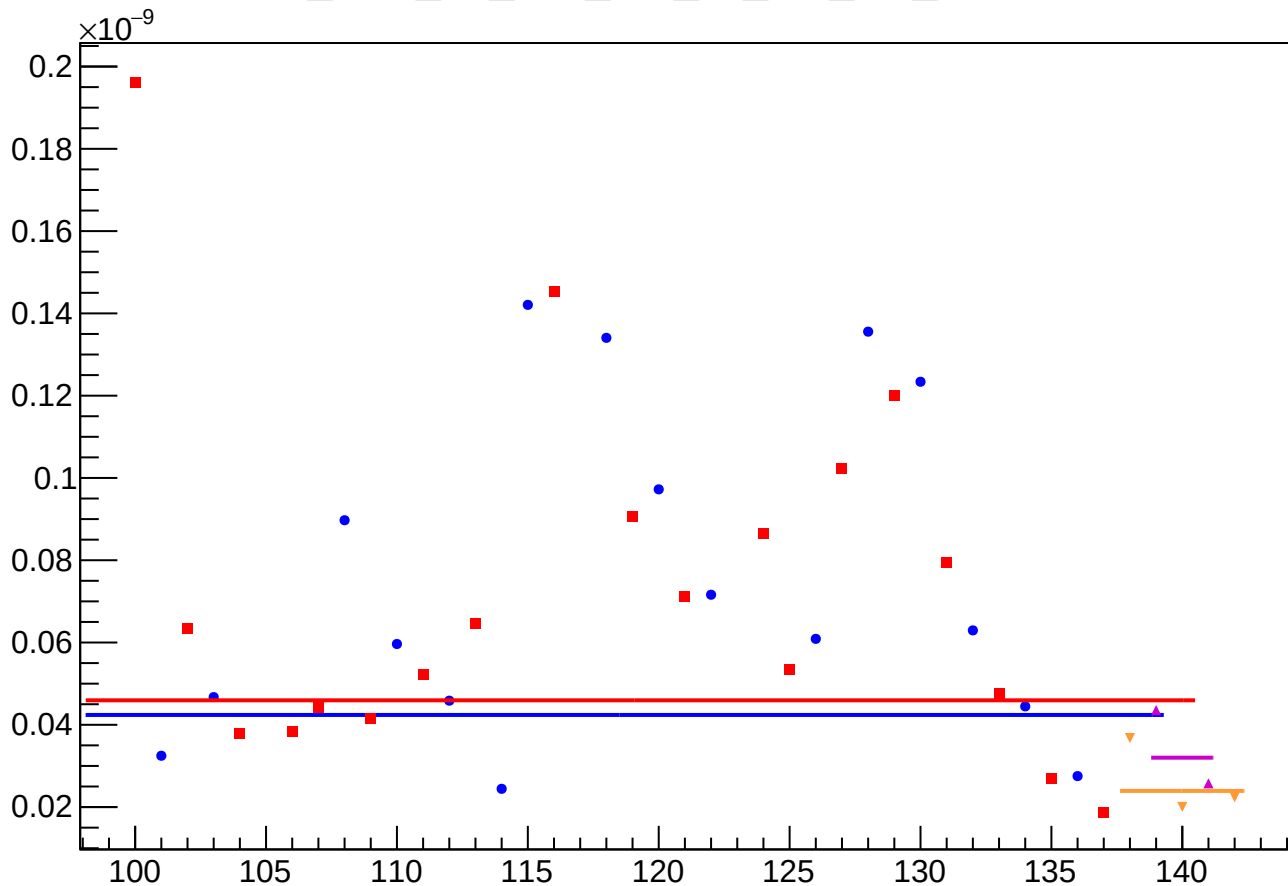
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 31.3/18

All: -0.000+/-0.000 χ^2/NDF : 38.2/39

- sign -0.000+/-0.000 χ^2/NDF : 6.5/20

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 : 122204.8/2

Right Out: 0.000 +/- 0.000 χ^2/NDF : 1118551.4/18

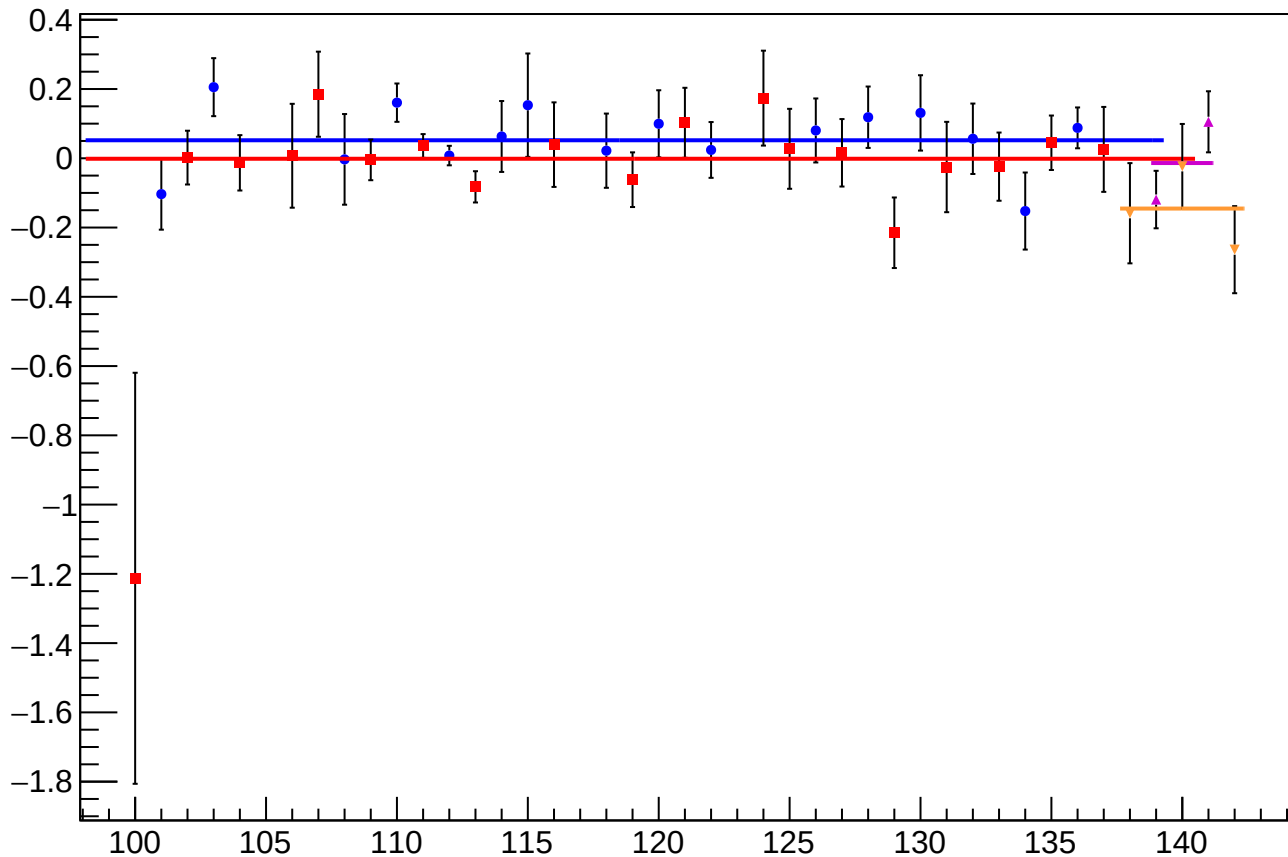
Left In: 0.000 +/- 0.000 χ^2/NDF : 112111.3/1

+ sign 0.000 +/- 0.000 χ^2/NDF : 1952303.1/18

All: 0.000 +/- 0.000 χ^2/NDF : 3501542.4/39

- sign 0.000 +/- 0.000 χ^2/NDF : 1413952.2/20

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 ± 0.018 χ^2/NDF : 18.0/15

Left Out: -0.145 ± 0.075 χ^2/NDF : 1.9/2

Right Out: -0.001 ± 0.018 χ^2/NDF : 19.2/18

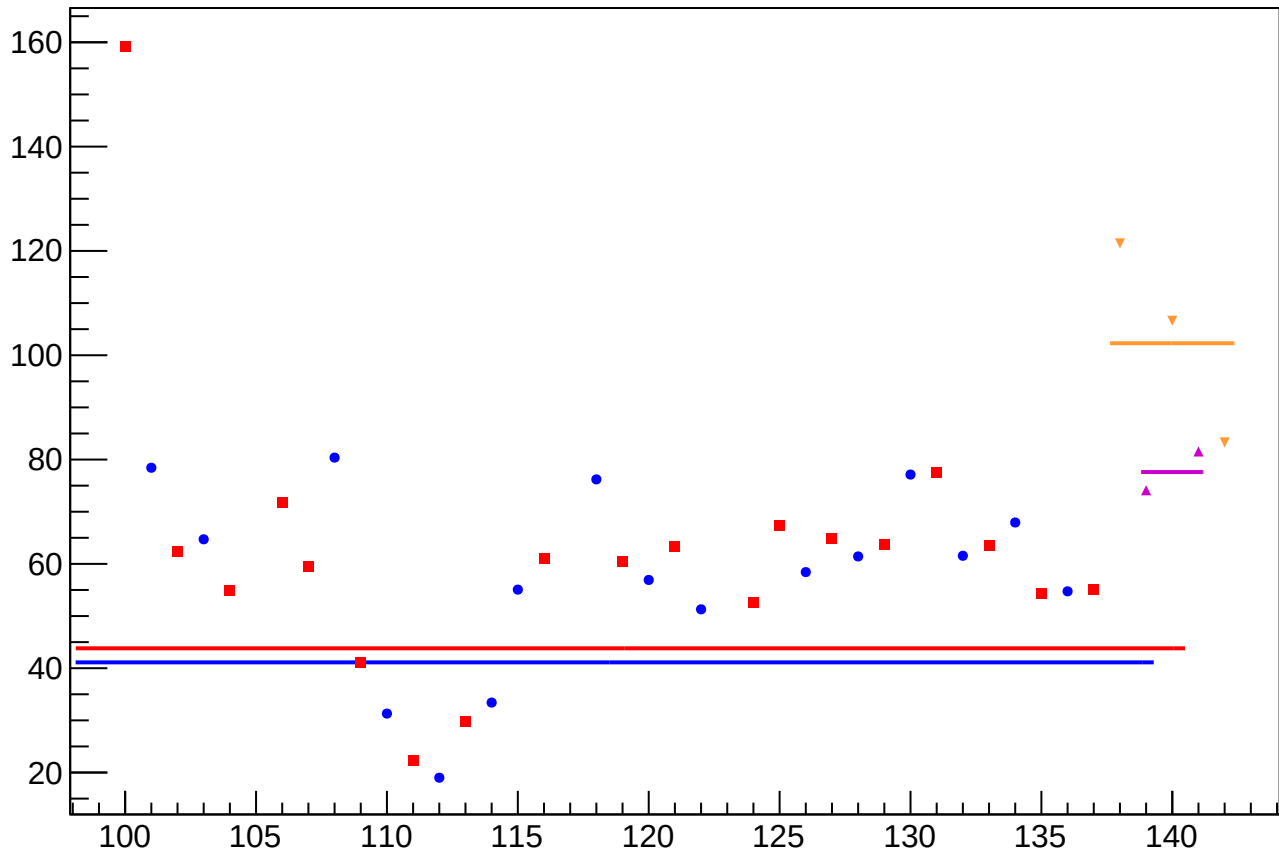
Left In: -0.014 ± 0.060 χ^2/NDF : 3.4/1

+ sign 0.042 ± 0.017 χ^2/NDF : 26.4/18

All: 0.019 ± 0.012 χ^2/NDF : 52.4/39

- sign -0.002 ± 0.017 χ^2/NDF : 22.7/20

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: 102.300 $\pm$ 0.053 χ^2 /NDF: 83217.2/2

Right Out: 43.813 $\pm$ 0.013 χ^2 /NDF: 2048452.0/18

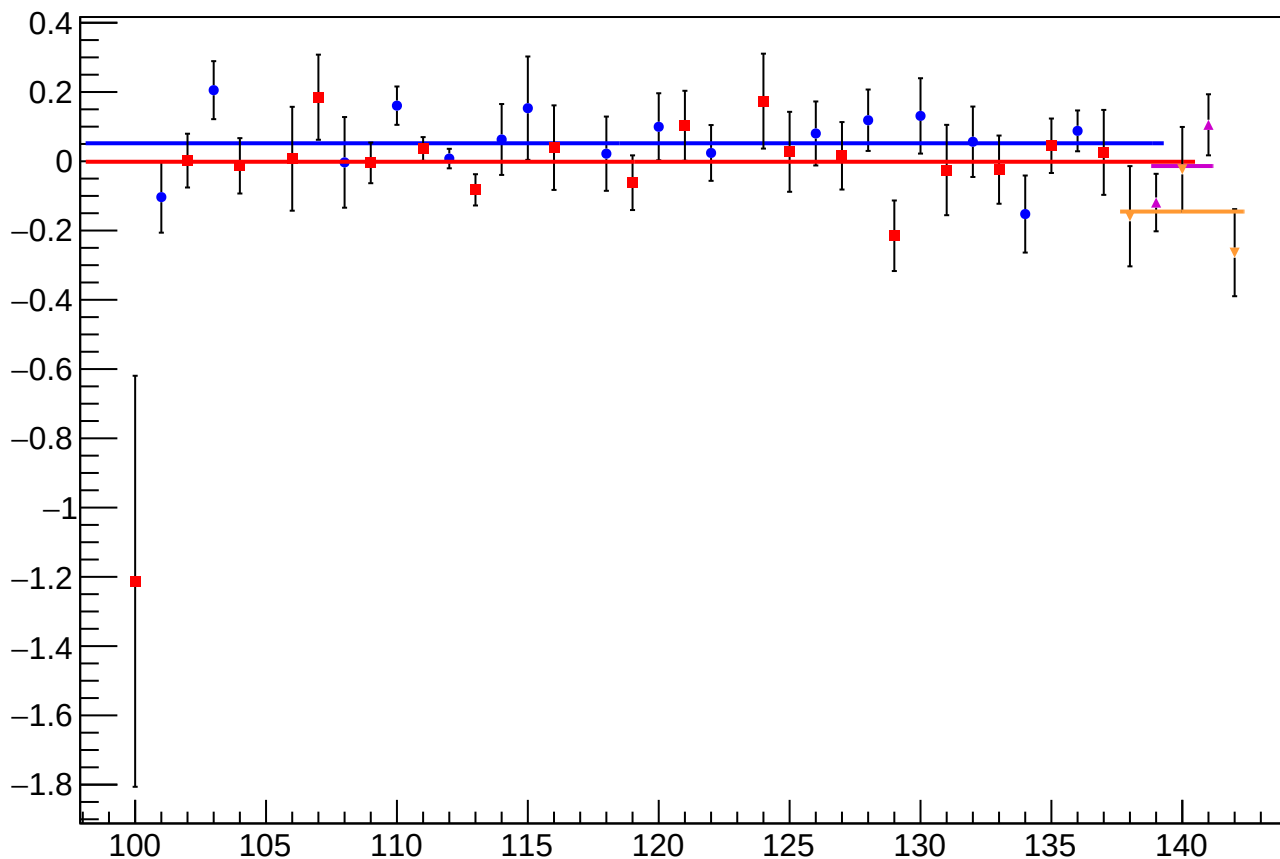
Left In: 77.610 $\pm$ 0.043 χ^2 /NDF: 7555.7/1

+ sign 44.374 $\pm$ 0.012 χ^2 /NDF: 4268969.1/18

All: 45.467 $\pm$ 0.009 χ^2 /NDF: 6915813.2/39

- sign 46.547 $\pm$ 0.012 χ^2 /NDF: 2630951.1/20

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: -0.145 ± 0.075 χ^2/NDF : 1.9/2

Right Out: -0.001 ± 0.018 χ^2/NDF : 19.2/18

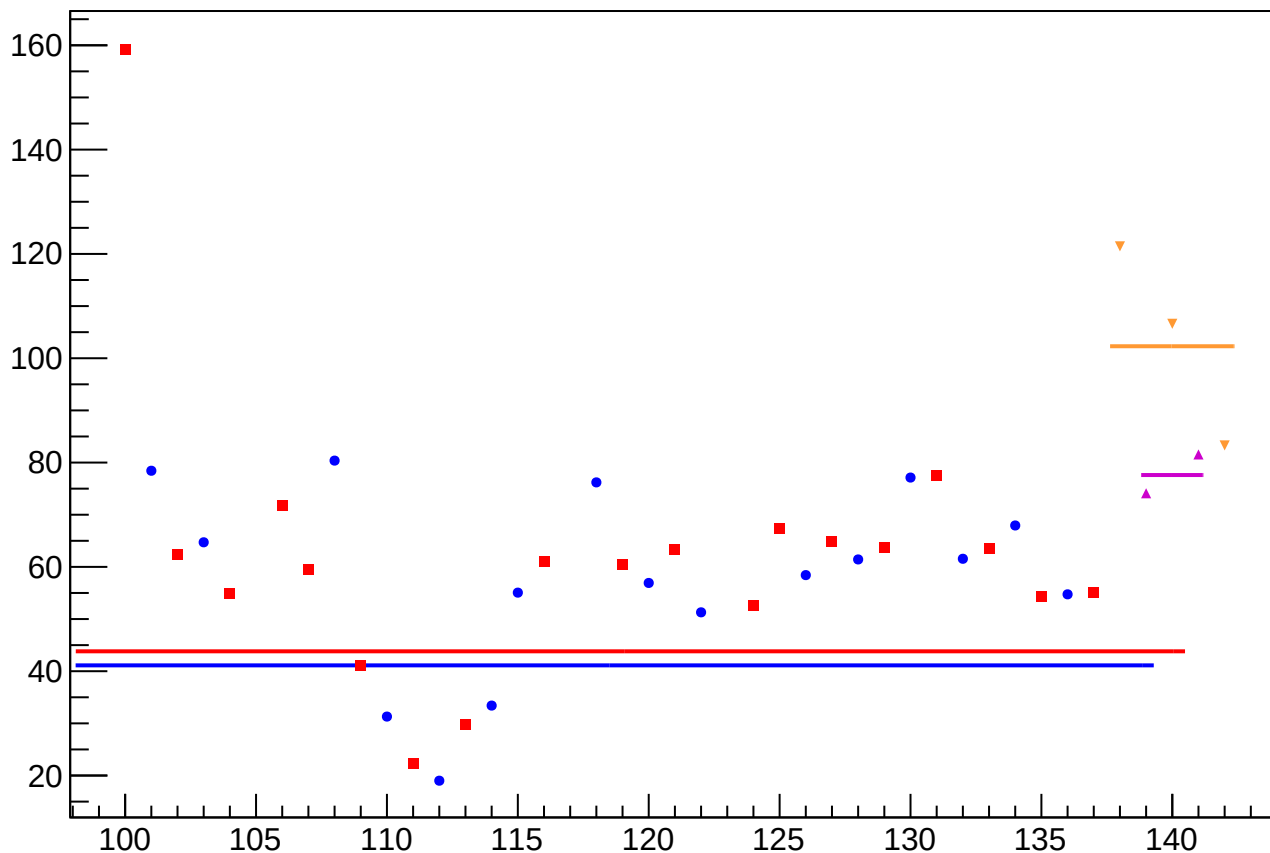
Left In: -0.014 ± 0.060 χ^2/NDF : 3.4/1

+ sign 0.042 ± 0.017 χ^2/NDF : 26.4/18

All: 0.019 ± 0.012 χ^2/NDF : 52.4/39

- sign -0.002 ± 0.017 χ^2/NDF : 22.7/20

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF : 2925302.3/15

Left Out: 102.300+/-0.053 χ^2/NDF : 83217.2/2

Right Out: 43.813+/-0.013 χ^2/NDF : 2048452.0/18

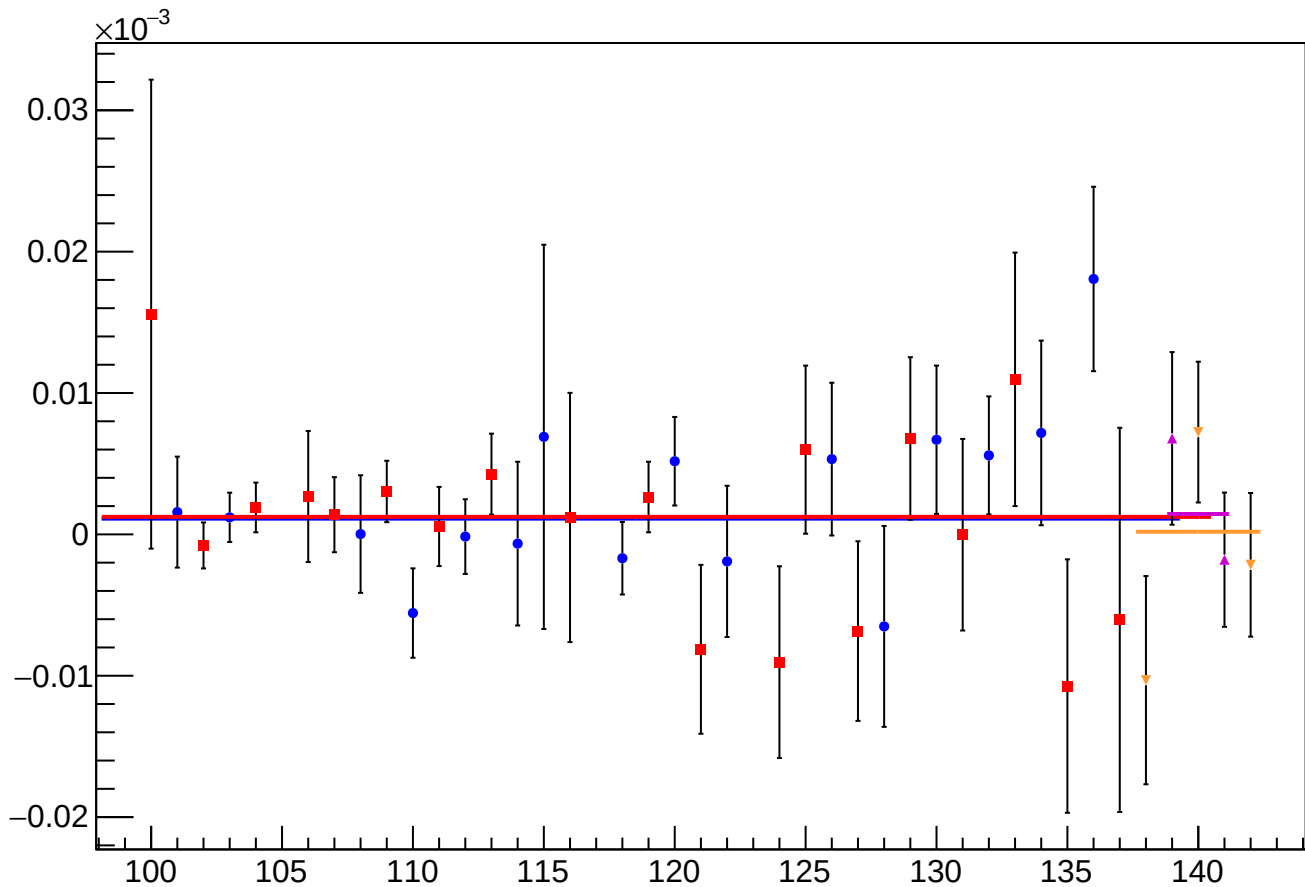
Left In: 77.610+/-0.043 χ^2/NDF : 7555.7/1

+ sign 44.374+/-0.012 χ^2/NDF : 4268969.1/18

All: 45.467+/-0.009 χ^2/NDF : 6915813.2/39

- sign 46.547+/-0.012 χ^2/NDF : 2630951.1/20

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: 4.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/18

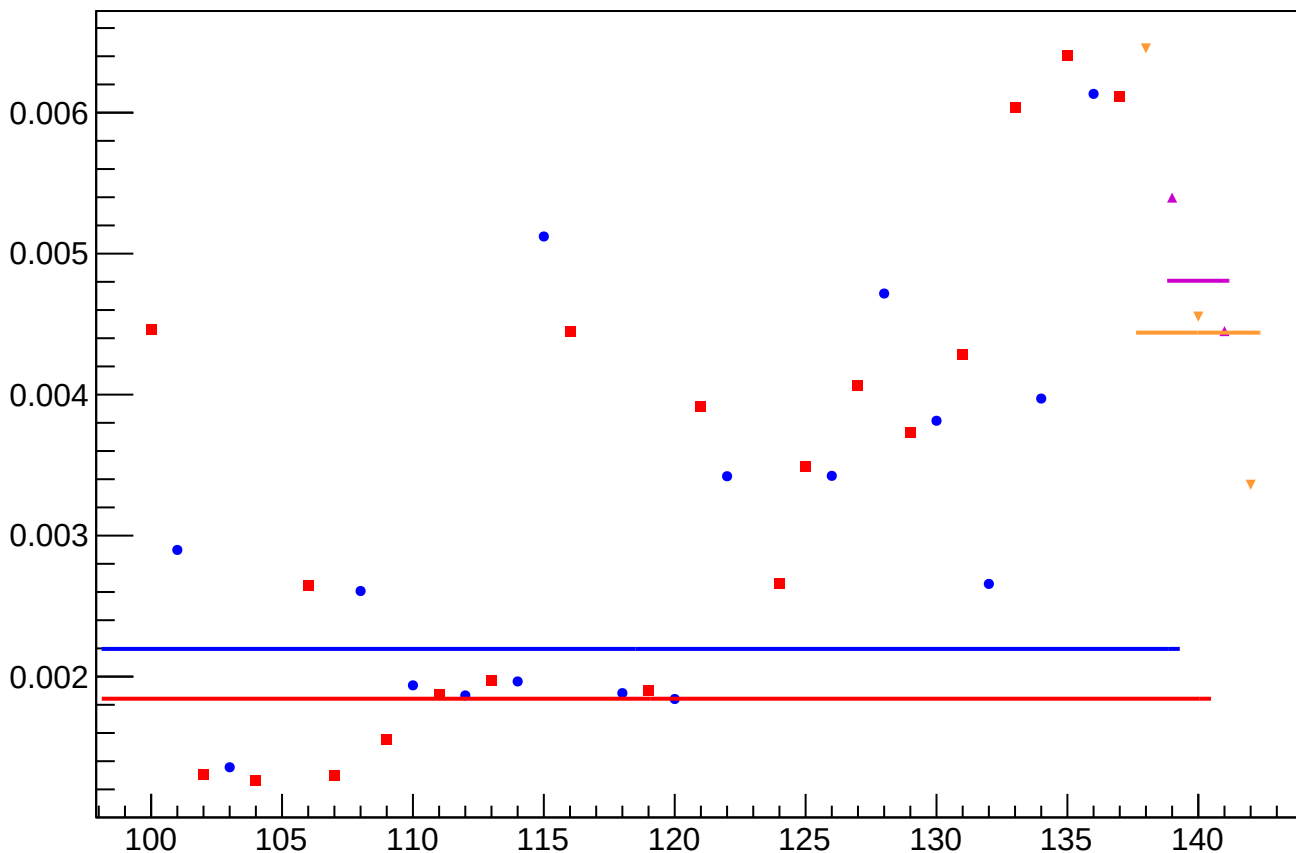
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.2/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 41.4/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/20

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: 0.004+/-0.000 χ^2/NDF : 241030.4/2

Right Out: 0.002+/-0.000 χ^2/NDF : 3137598.0/18

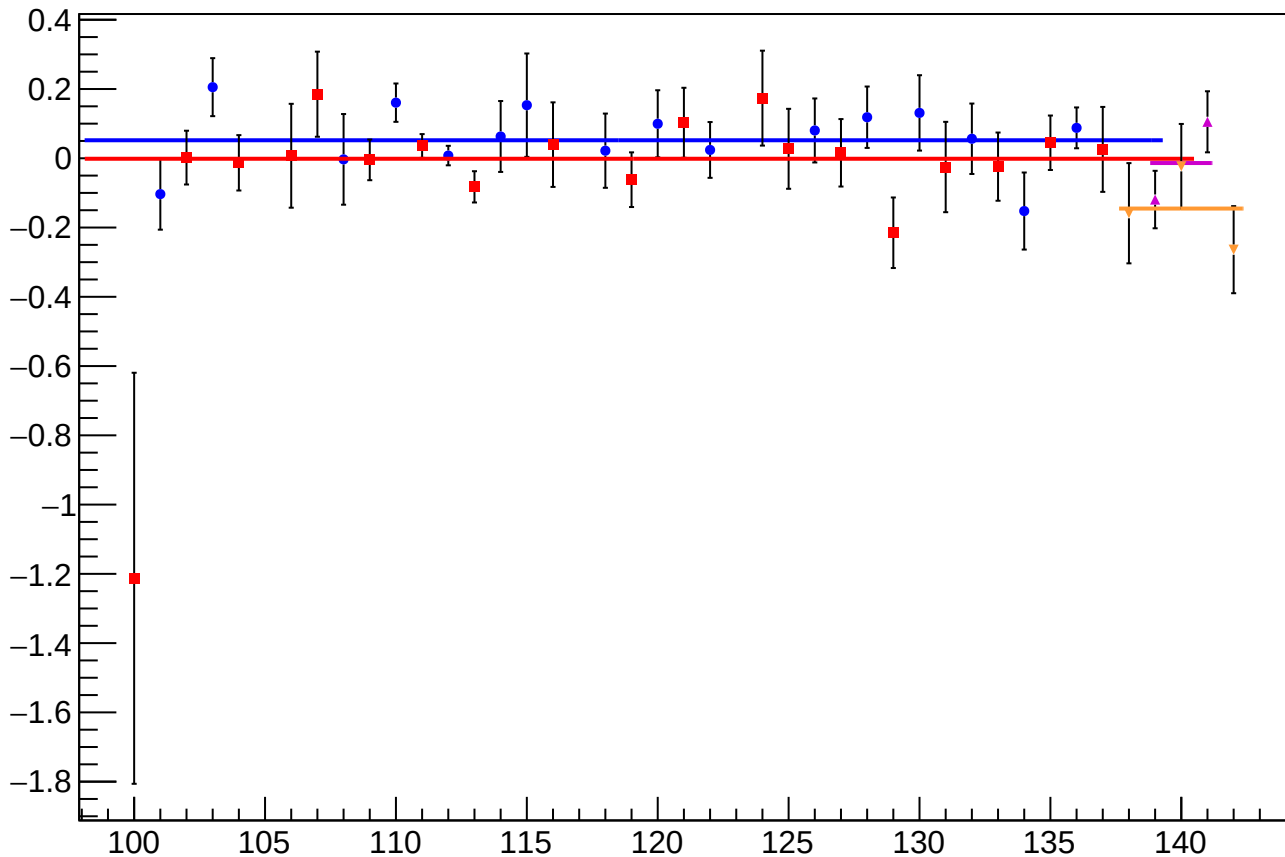
Left In: 0.005+/-0.000 χ^2/NDF : 29983.6/1

+ sign 0.002+/-0.000 χ^2/NDF : 3441868.6/18

All: 0.002+/-0.000 χ^2/NDF : 8054653.1/39

- sign 0.002+/-0.000 χ^2/NDF : 4368734.4/20

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: -0.145 $\pm$ 0.075 χ^2 /NDF: 1.9/2

Right Out: -0.001 $\pm$ 0.018 χ^2 /NDF: 19.2/18

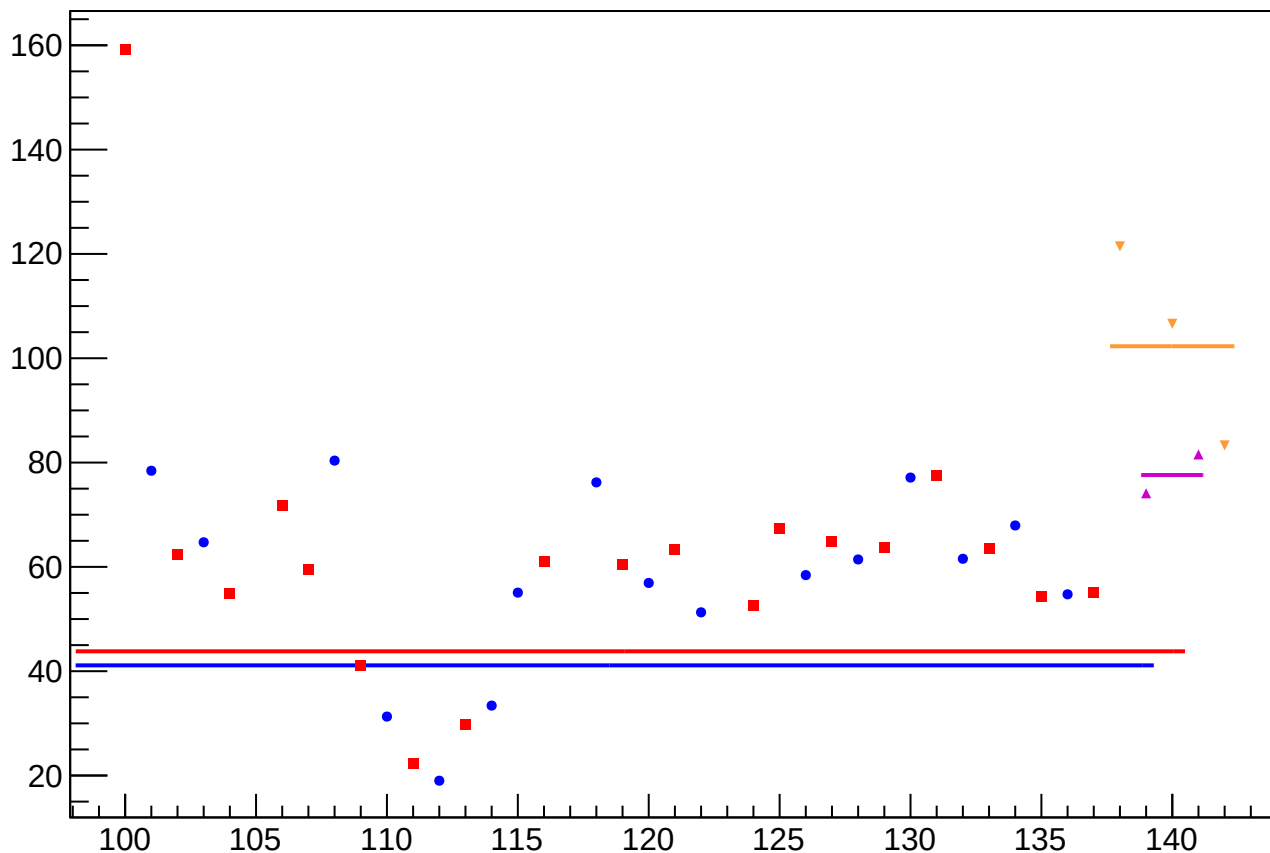
Left In: -0.014 $\pm$ 0.060 χ^2 /NDF: 3.4/1

+ sign 0.042 $\pm$ 0.017 χ^2 /NDF: 26.4/18

All: 0.019 $\pm$ 0.012 χ^2 /NDF: 52.4/39

- sign -0.002 $\pm$ 0.017 χ^2 /NDF: 22.7/20

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: 102.300 $\pm$ 0.053 χ^2 /NDF: 83208.8/2

Right Out: 43.813 $\pm$ 0.013 χ^2 /NDF: 2048627.9/18

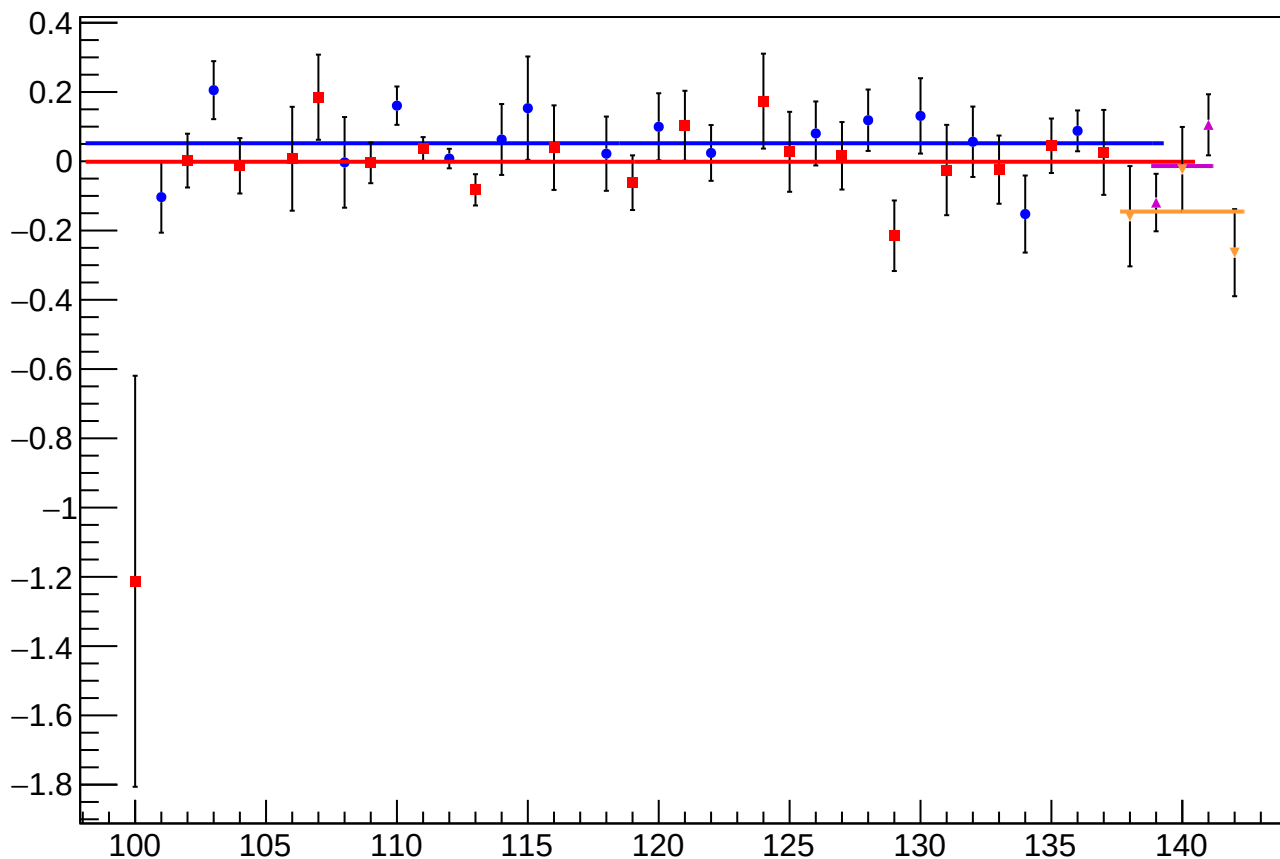
Left In: 77.610 $\pm$ 0.043 χ^2 /NDF: 7558.9/1

+ sign 44.373 $\pm$ 0.012 χ^2 /NDF: 4269171.7/18

All: 45.466 $\pm$ 0.009 χ^2 /NDF: 6916222.8/39

- sign 46.546 $\pm$ 0.012 χ^2 /NDF: 2631156.7/20

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: -0.145 $\pm$ 0.075 χ^2 /NDF: 1.9/2

Right Out: -0.001 $\pm$ 0.018 χ^2 /NDF: 19.2/18

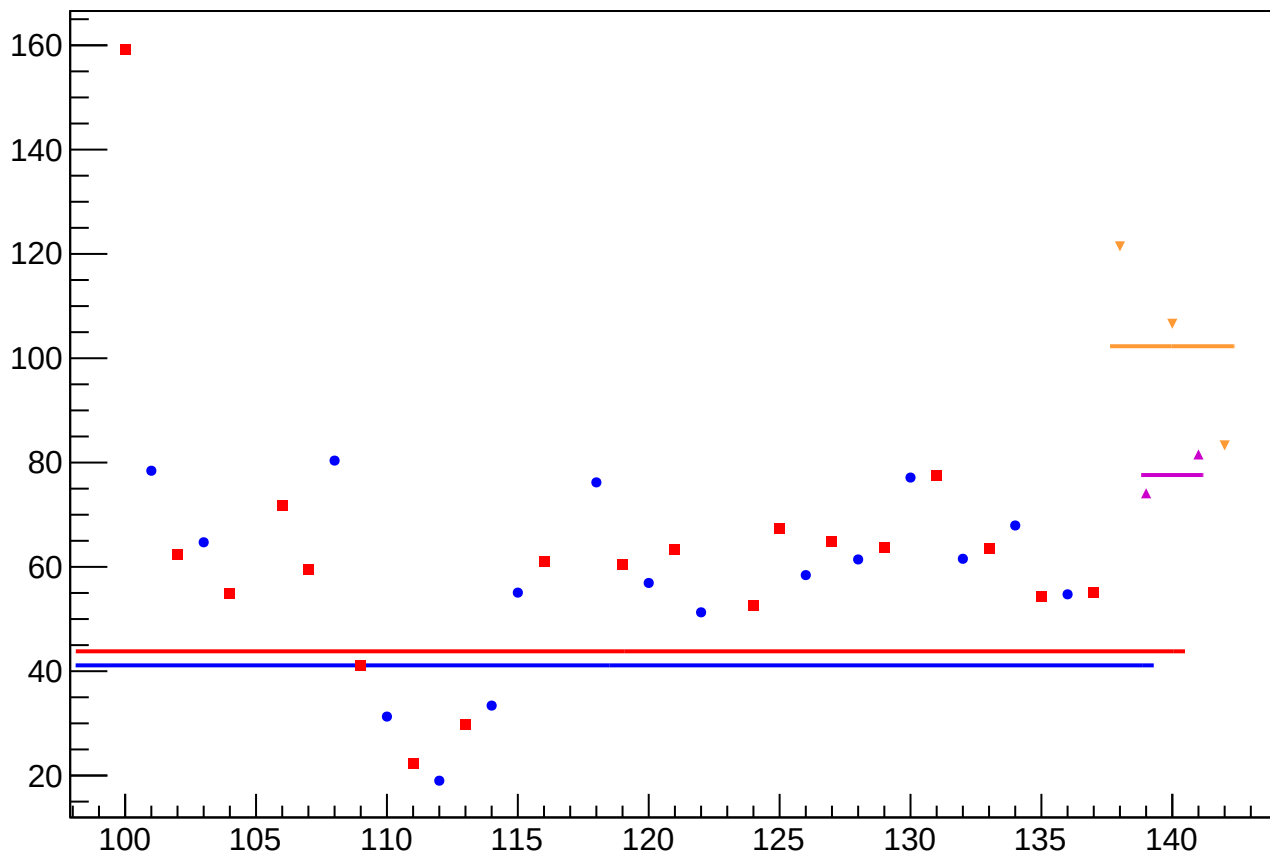
Left In: -0.014 $\pm$ 0.060 χ^2 /NDF: 3.4/1

+ sign 0.042 $\pm$ 0.017 χ^2 /NDF: 26.4/18

All: 0.019 $\pm$ 0.012 χ^2 /NDF: 52.4/39

- sign -0.002 $\pm$ 0.017 χ^2 /NDF: 22.7/20

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.119 $\pm$ 0.013 χ^2 /NDF: 2925464.8/15

Left Out: 102.300 $\pm$ 0.053 χ^2 /NDF: 83208.8/2

Right Out: 43.813 $\pm$ 0.013 χ^2 /NDF: 2048627.9/18

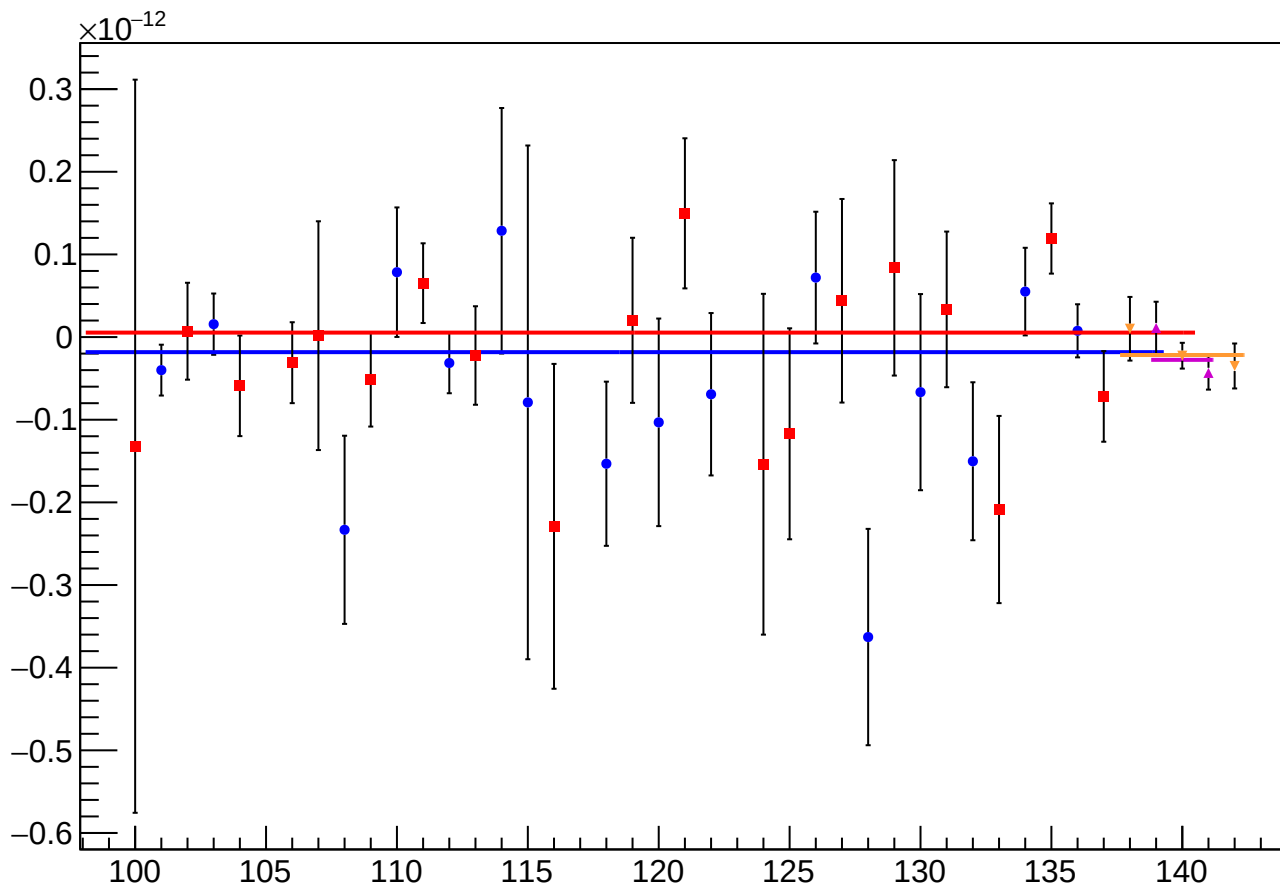
Left In: 77.610 $\pm$ 0.043 χ^2 /NDF: 7558.9/1

+ sign 44.373 $\pm$ 0.012 χ^2 /NDF: 4269171.7/18

All: 45.466 $\pm$ 0.009 χ^2 /NDF: 6916222.8/39

- sign 46.546 $\pm$ 0.012 χ^2 /NDF: 2631156.7/20

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 : 0.9/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.3/18

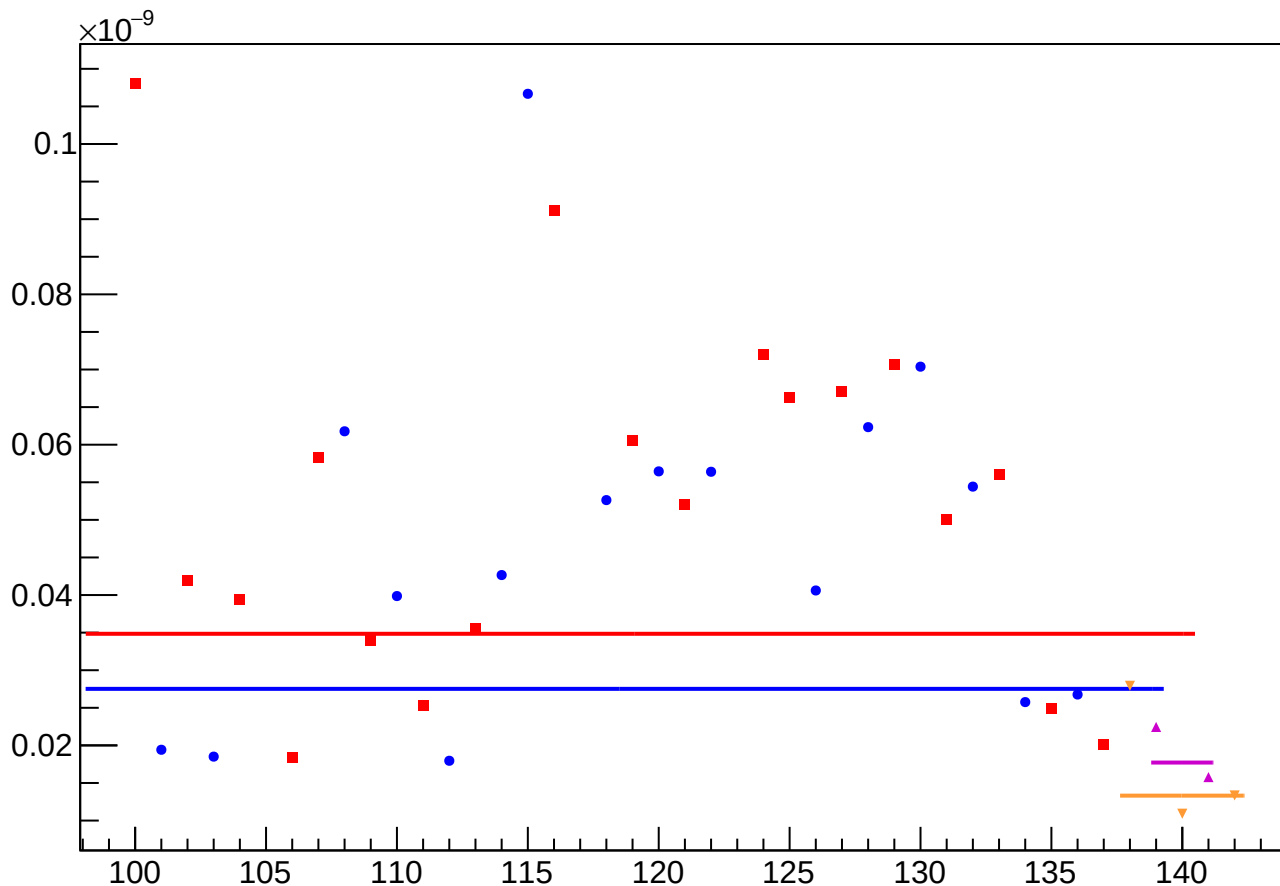
Left In: -0.000 ± 0.000 χ^2/NDF : 2.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 23.9/18

All: -0.000 ± 0.000 χ^2/NDF : 51.6/39

- sign -0.000 ± 0.000 χ^2/NDF : 27.3/20

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1799776.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 335408.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1676246.7/18

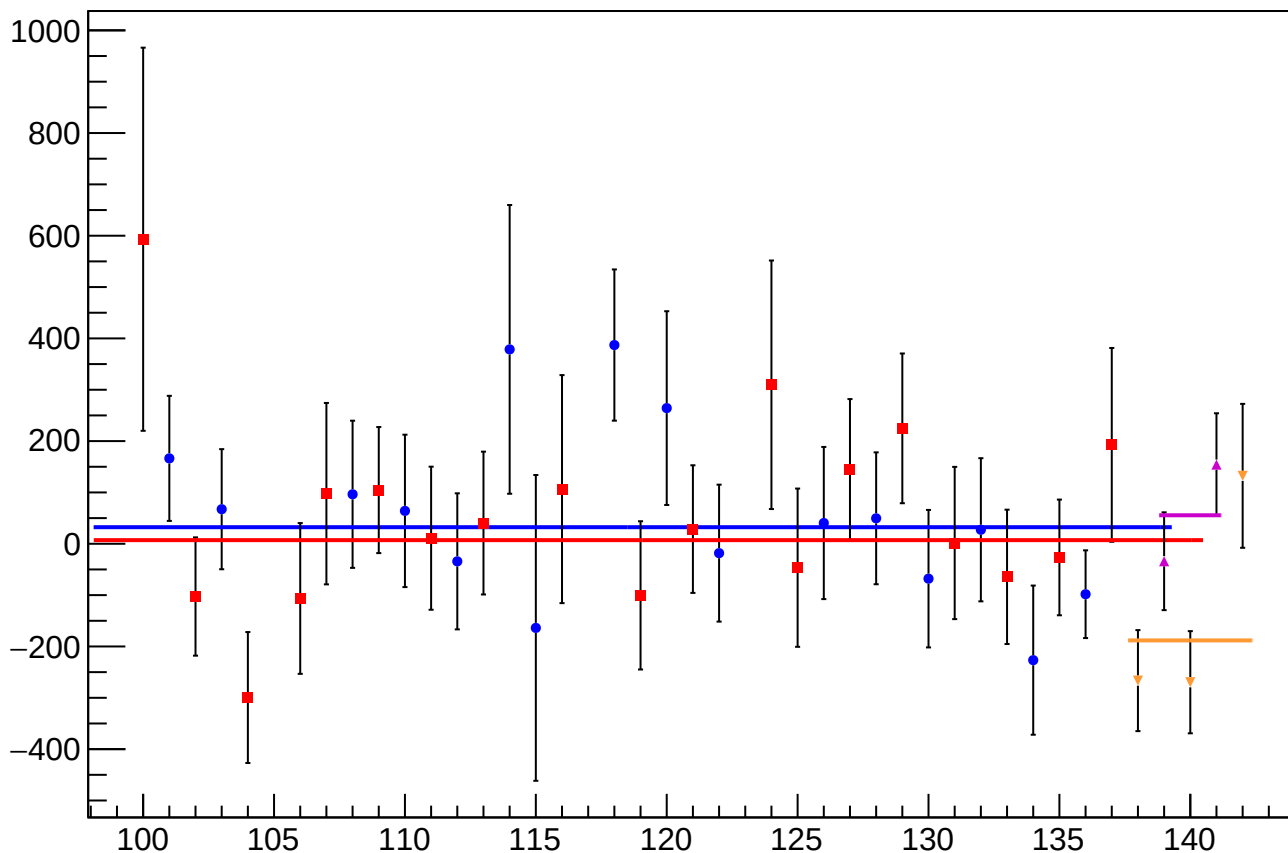
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 62883.6/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3224059.9/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6401864.5/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2768774.5/20

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF : 17.3/15

Left Out: -188.205+/-62.592 χ^2/NDF : 6.5/2

Right Out: 7.070+/-33.420 χ^2/NDF : 17.8/18

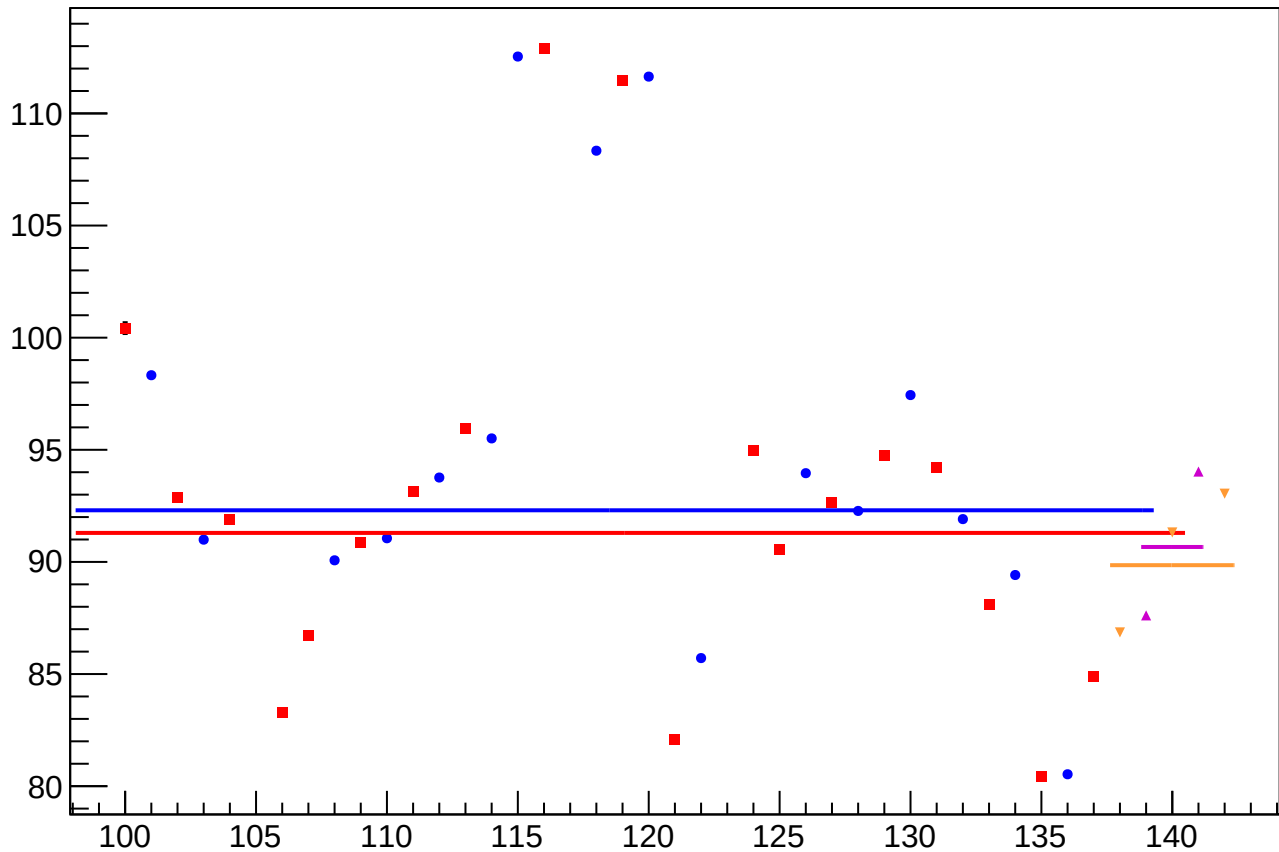
Left In: 55.523+/-68.969 χ^2/NDF : 1.9/1

+ sign -18.921+/-30.166 χ^2/NDF : 33.4/18

All: -1.265+/-21.298 χ^2/NDF : 54.1/39

- sign 16.284+/-30.075 χ^2/NDF : 20.0/20

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302 $\pm$ 0.024 χ^2 /NDF: 107066.1/15

Left Out: 89.855 $\pm$ 0.044 χ^2 /NDF:3323.4/2

Right Out: 91.294 $\pm$ 0.024 χ^2 /NDF: 105096.6/18

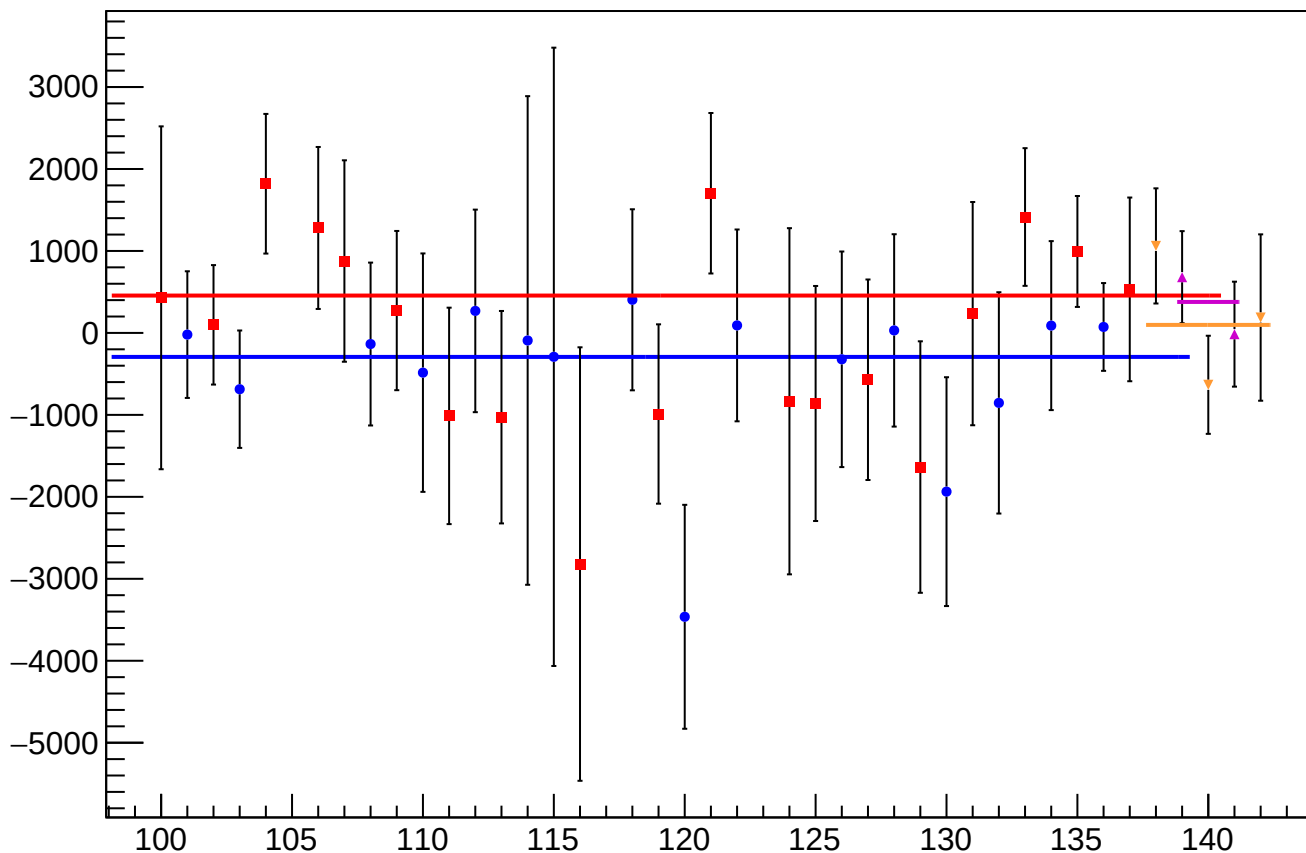
Left In: 90.667 $\pm$ 0.049 χ^2 /NDF:4313.4/1

+ sign 91.734 $\pm$ 0.021 χ^2 /NDF: 112737.7/18

All: 91.453 $\pm$ 0.015 χ^2 /NDF: 222626.4/39

- sign 91.174 $\pm$ 0.021 χ^2 /NDF: 109543.9/20

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756 ± 259.692 $\chi^2/\text{NDF}: 8.8/15$

Left Out: 97.759 ± 415.628 $\chi^2/\text{NDF}: 3.4/2$

Right Out: 455.830 ± 248.717 $\chi^2/\text{NDF}: 16.9/18$

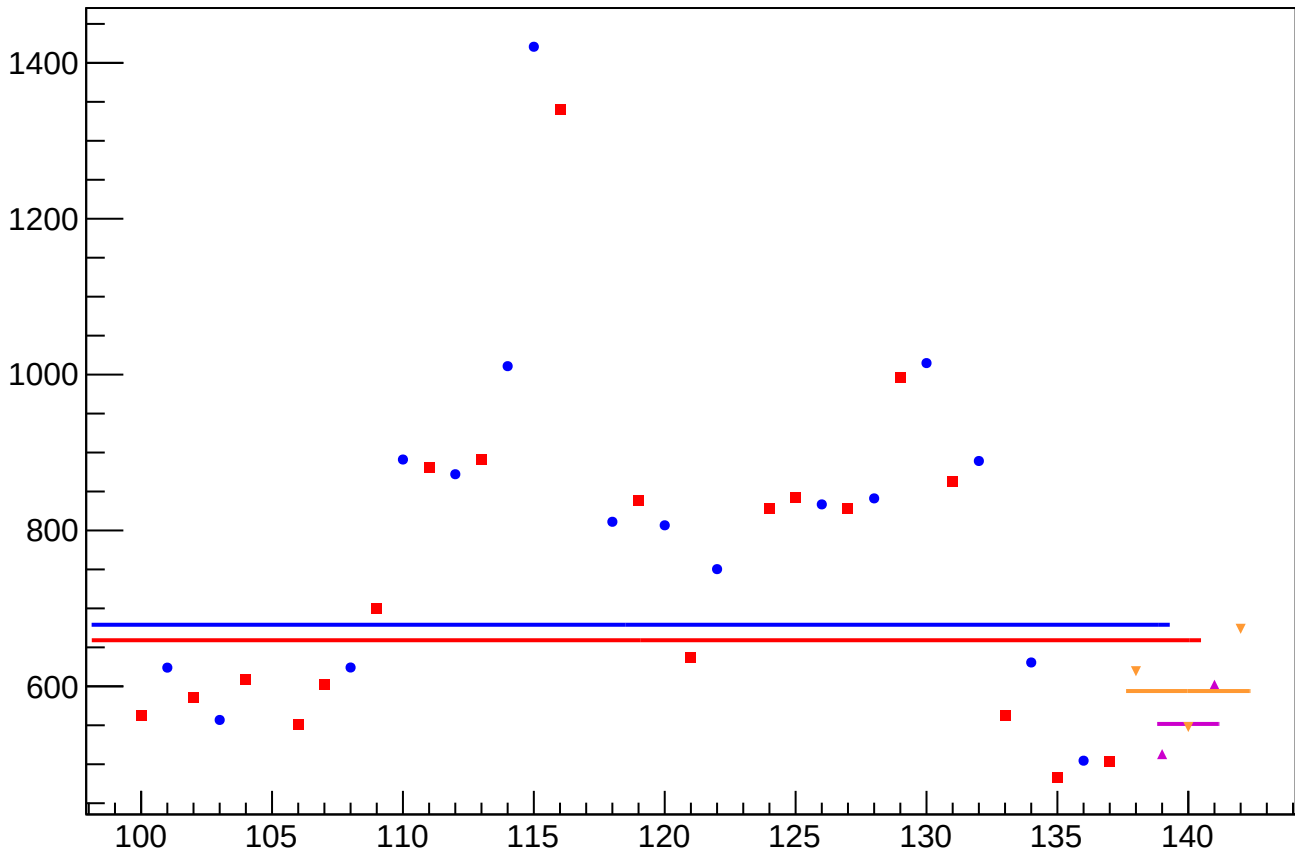
Left In: 377.944 ± 422.177 $\chi^2/\text{NDF}: 0.7/1$

+ sign -183.106 ± 220.237 $\chi^2/\text{NDF}: 12.8/18$

All: 134.791 ± 153.587 $\chi^2/\text{NDF}: 34.4/39$

- sign 435.763 ± 214.294 $\chi^2/\text{NDF}: 17.5/20$

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003 $\pm$ 0.184 χ^2/NDF : 767983.3/15

Left Out: 593.957 $\pm$ 0.294 χ^2/NDF : 26906.9/2

Right Out: 659.133 $\pm$ 0.176 χ^2/NDF : 795877.7/18

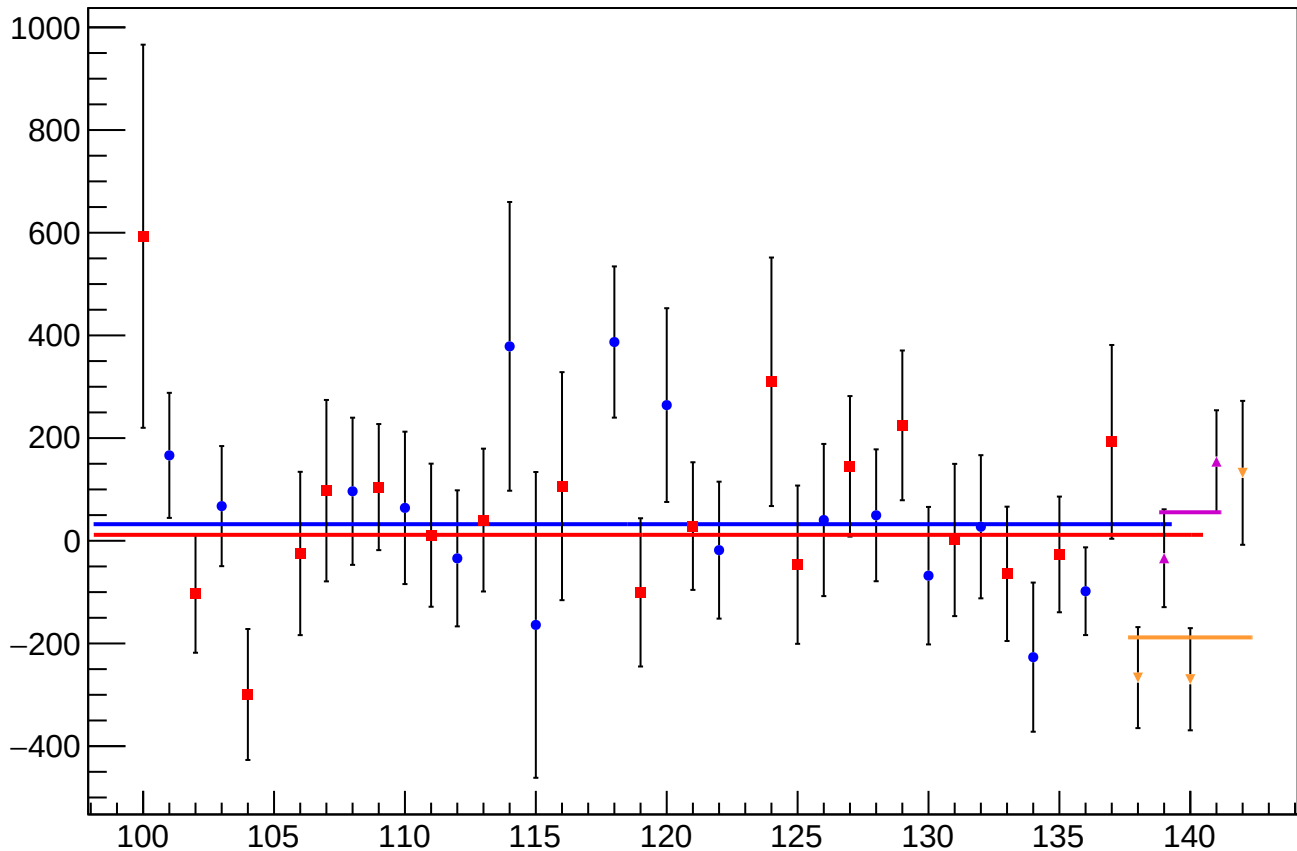
Left In: 551.739 $\pm$ 0.299 χ^2/NDF : 21856.8/1

+ sign 655.124 $\pm$ 0.156 χ^2/NDF : 855116.3/18

All: 642.970 $\pm$ 0.109 χ^2/NDF : 1780784.4/39

- sign 631.463 $\pm$ 0.152 χ^2/NDF : 913810.5/20

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312 ± 34.429 $\chi^2/\text{NDF}: 17.3/15$

Left Out: -188.201 ± 62.592 $\chi^2/\text{NDF}: 6.5/2$

Right Out: 11.576 ± 33.548 $\chi^2/\text{NDF}: 17.2/18$

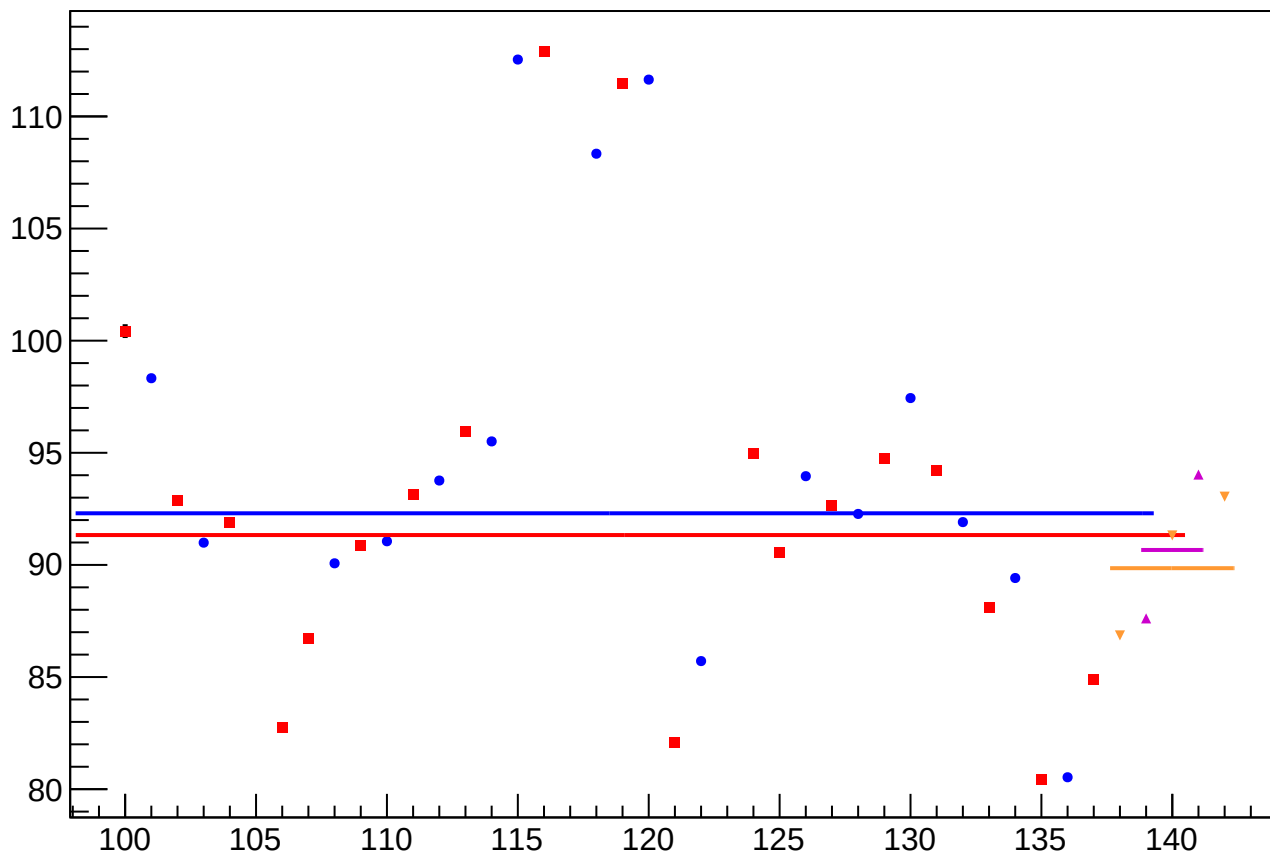
Left In: 55.526 ± 68.969 $\chi^2/\text{NDF}: 1.9/1$

+ sign -18.908 ± 30.166 $\chi^2/\text{NDF}: 33.4/18$

All: 0.537 ± 21.332 $\chi^2/\text{NDF}: 53.6/39$

- sign 19.985 ± 30.169 $\chi^2/\text{NDF}: 19.4/20$

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302 $\pm$ 0.024 χ^2 /NDF: 107066.1/15

Left Out: 89.855 $\pm$ 0.044 χ^2 /NDF:3323.4/2

Right Out: 91.332 $\pm$ 0.024 χ^2 /NDF: 104918.3/18

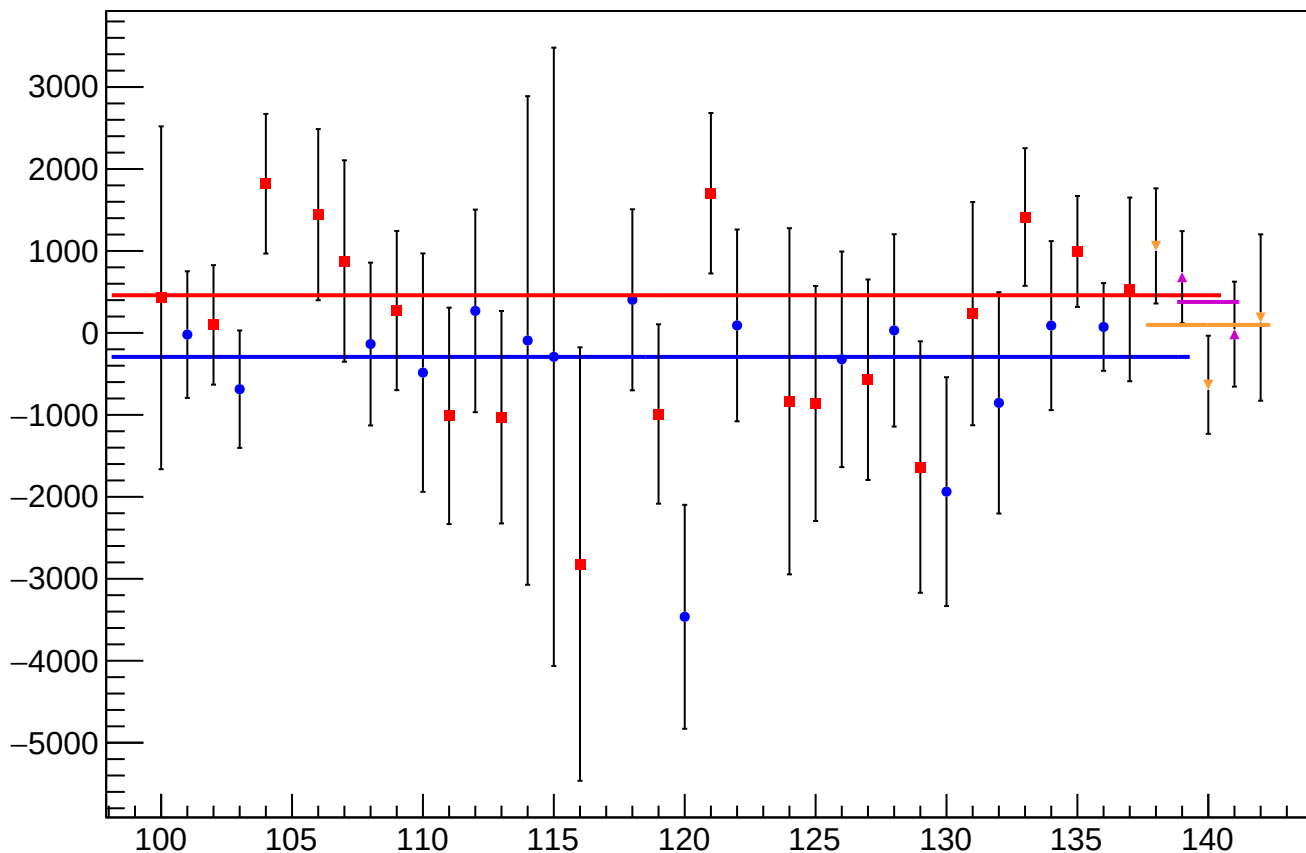
Left In: 90.667 $\pm$ 0.049 χ^2 /NDF:4313.4/1

+ sign 91.734 $\pm$ 0.021 χ^2 /NDF: 112737.7/18

All: 91.469 $\pm$ 0.015 χ^2 /NDF: 222427.5/39

- sign 91.205 $\pm$ 0.021 χ^2 /NDF: 109382.2/20

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753 ± 259.692 $\chi^2/\text{NDF}: 8.8/15$

Left Out: 97.759 ± 415.628 $\chi^2/\text{NDF}: 3.4/2$

Right Out: 459.595 ± 249.543 $\chi^2/\text{NDF}: 17.1/18$

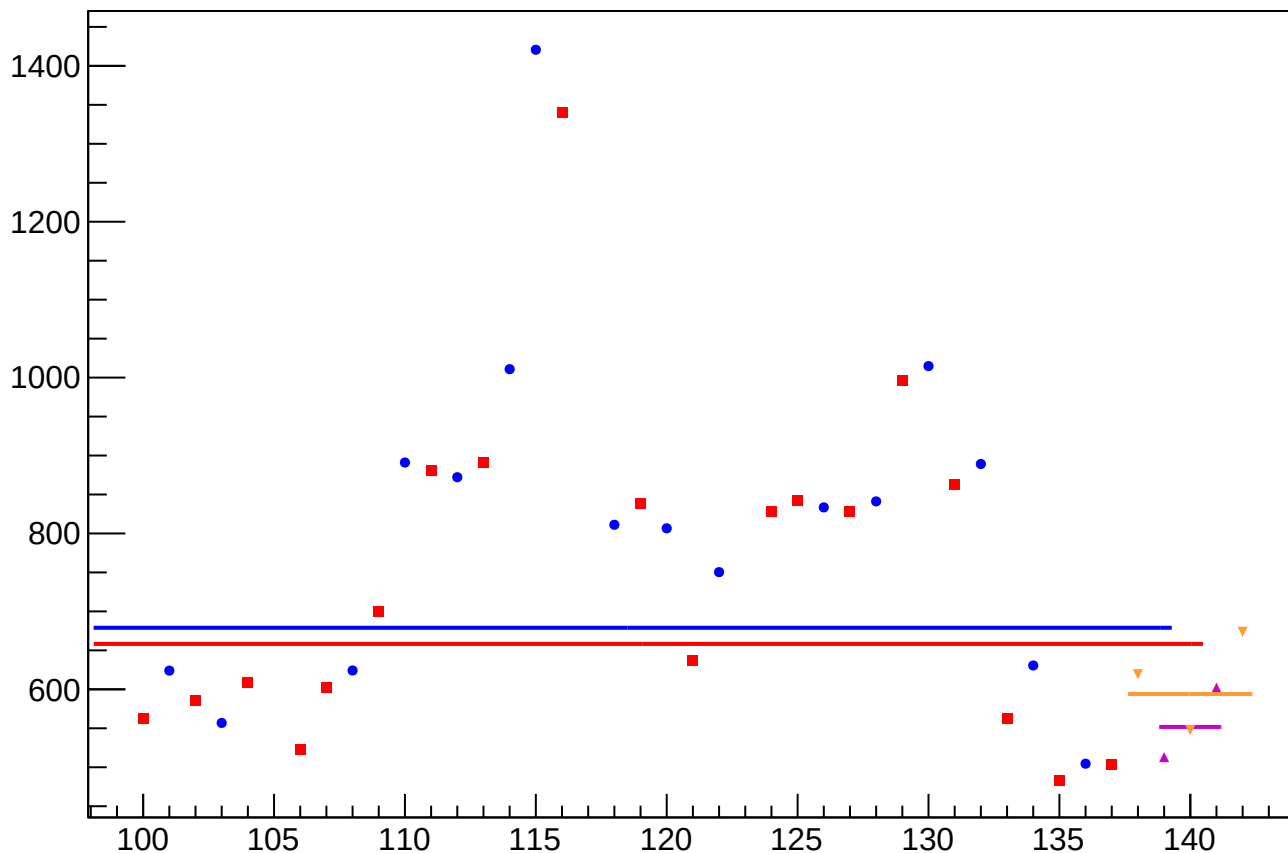
Left In: 377.941 ± 422.177 $\chi^2/\text{NDF}: 0.7/1$

+ sign -183.105 ± 220.236 $\chi^2/\text{NDF}: 12.8/18$

All: 135.410 ± 153.780 $\chi^2/\text{NDF}: 34.7/39$

- sign 438.453 ± 214.821 $\chi^2/\text{NDF}: 17.7/20$

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003 $\pm$ 0.184 χ^2/NDF : 767985.6/15

Left Out: 593.957 $\pm$ 0.294 χ^2/NDF : 26906.8/2

Right Out: 658.262 $\pm$ 0.176 χ^2/NDF : 805898.2/18

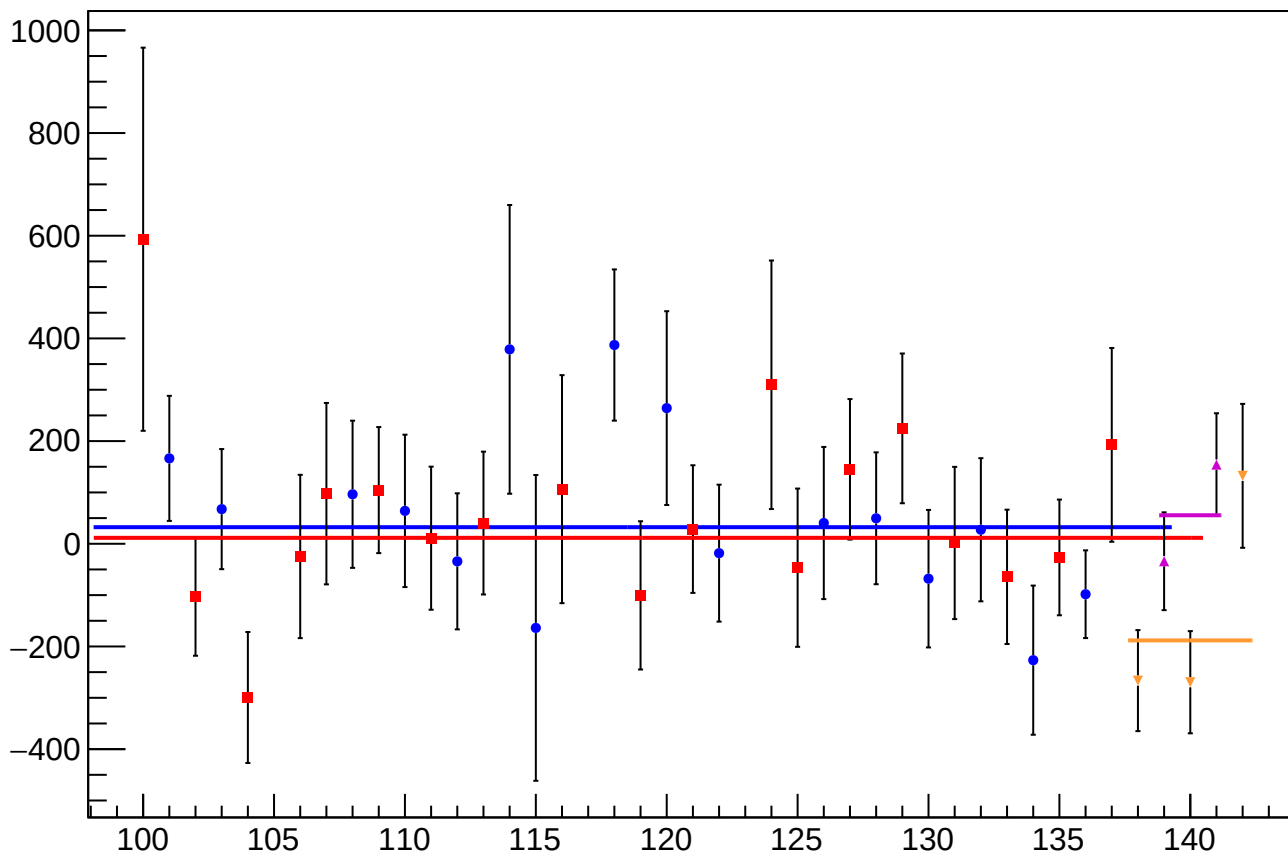
Left In: 551.739 $\pm$ 0.299 χ^2/NDF : 21856.7/1

+ sign 655.123 $\pm$ 0.156 χ^2/NDF : 855118.3/18

All: 642.598 $\pm$ 0.109 χ^2/NDF : 1789858.6/39

- sign 630.681 $\pm$ 0.152 χ^2/NDF : 922116.3/20

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312 $\pm$ 34.429 χ^2 /NDF: 17.3/15

Left Out: -188.201 $\pm$ 62.592 χ^2 /NDF: 6.5/2

Right Out: 11.576 $\pm$ 33.548 χ^2 /NDF: 17.2/18

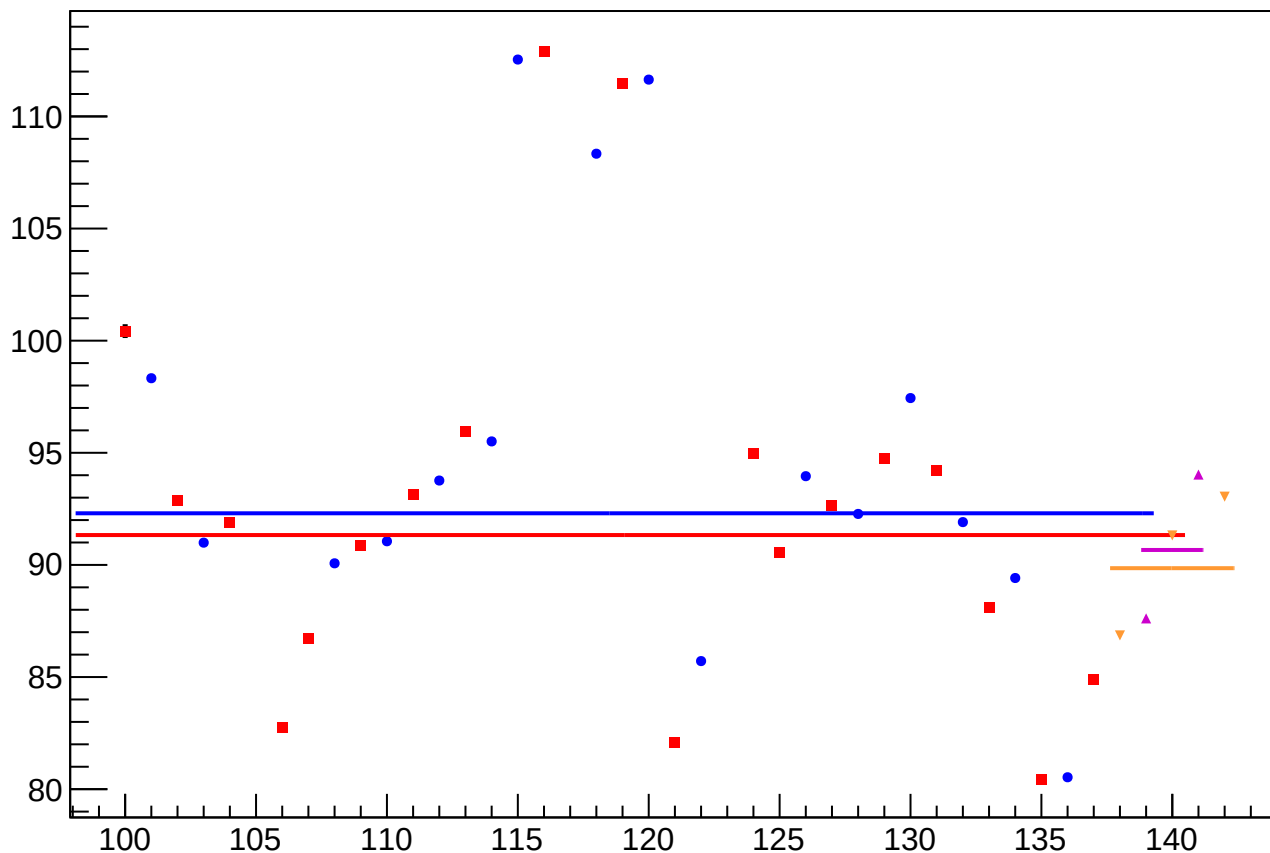
Left In: 55.526 $\pm$ 68.969 χ^2 /NDF: 1.9/1

+ sign -18.908 $\pm$ 30.166 χ^2 /NDF: 33.4/18

All: 0.537 $\pm$ 21.332 χ^2 /NDF: 53.6/39

- sign 19.985 $\pm$ 30.169 χ^2 /NDF: 19.4/20

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302 $\pm$ 0.024 χ^2 /NDF: 107066.1/15

Left Out: 89.855 $\pm$ 0.044 χ^2 /NDF: 3323.4/2

Right Out: 91.332 $\pm$ 0.024 χ^2 /NDF: 104918.3/18

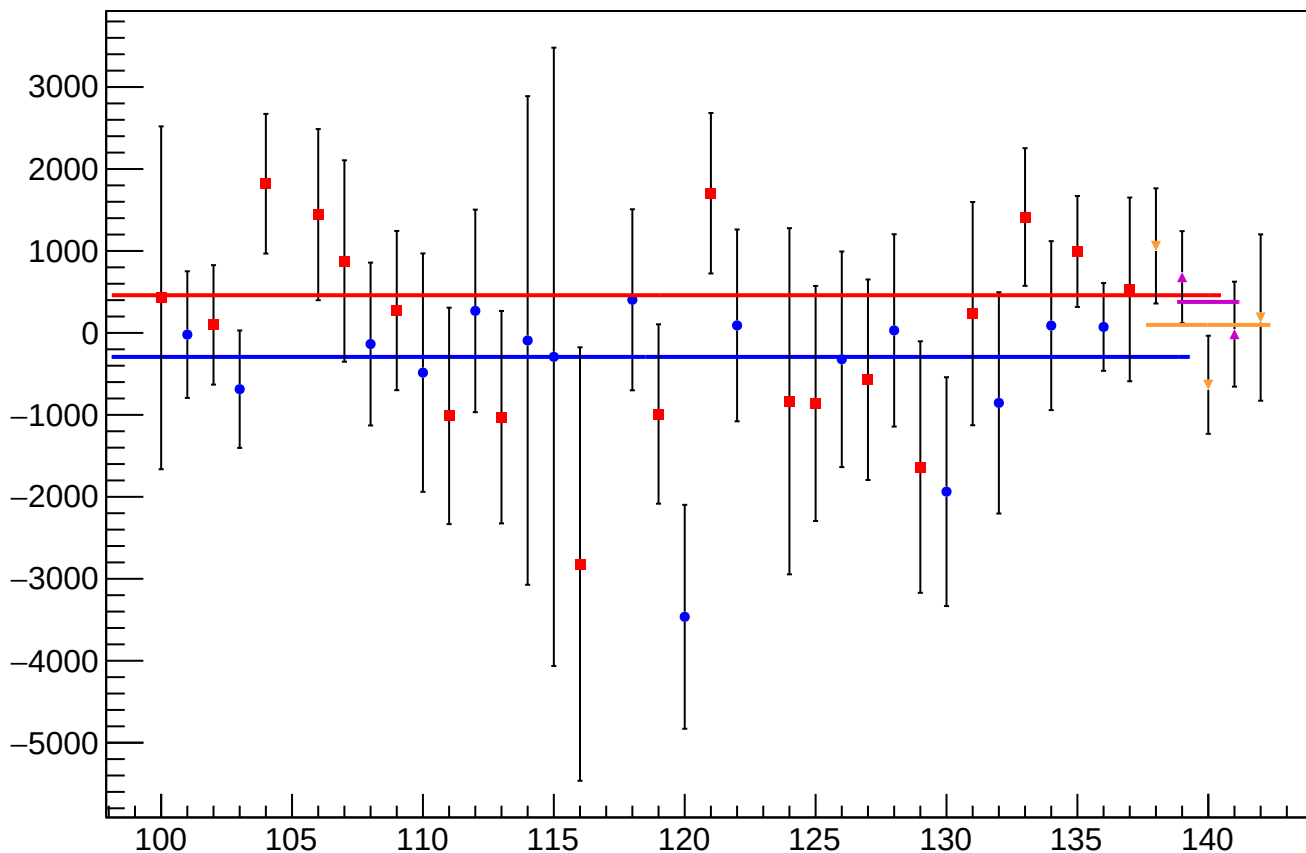
Left In: 90.667 $\pm$ 0.049 χ^2 /NDF: 4313.4/1

+ sign 91.734 $\pm$ 0.021 χ^2 /NDF: 112737.7/18

All: 91.469 $\pm$ 0.015 χ^2 /NDF: 222427.5/39

- sign 91.205 $\pm$ 0.021 χ^2 /NDF: 109382.2/20

asym_sam_15_dd_eigen_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF : 8.8/15

Left Out: 97.759+/-415.628 χ^2/NDF : 3.4/2

Right Out: 459.595+/-249.543 χ^2/NDF : 17.1/18

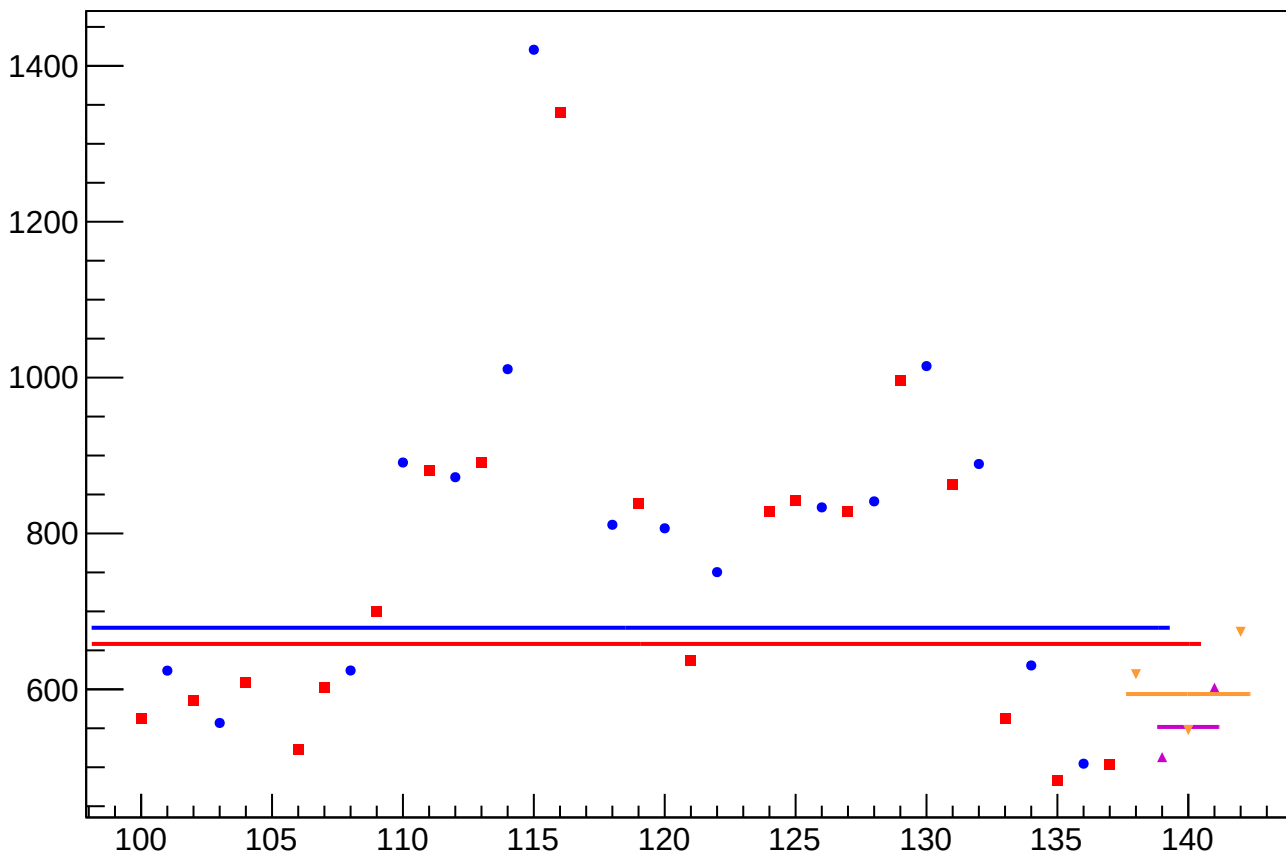
Left In: 377.941+/-422.177 χ^2/NDF : 0.7/1

+ sign -183.105+/-220.236 χ^2/NDF : 12.8/18

All: 135.410+/-153.780 χ^2/NDF : 34.7/39

- sign 438.453+/-214.821 χ^2/NDF : 17.7/20

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: 593.957 $\pm$ 0.294 χ^2 /NDF: 26906.8/2

Right Out: 658.262 $\pm$ 0.176 χ^2 /NDF: 805898.2/18

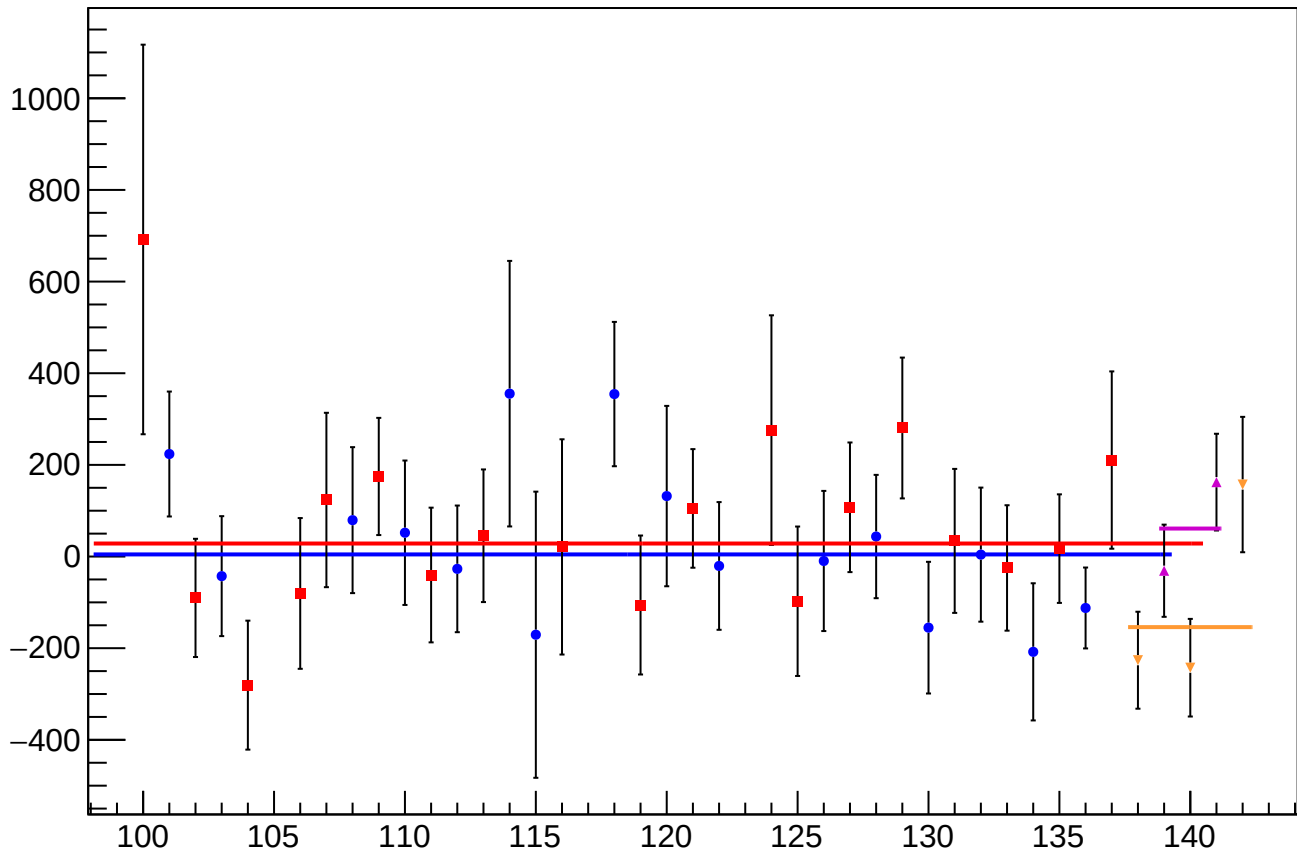
Left In: 551.739 $\pm$ 0.299 χ^2 /NDF: 21856.7/1

+ sign 655.123 $\pm$ 0.156 χ^2 /NDF: 855118.3/18

All: 642.598 $\pm$ 0.109 χ^2 /NDF: 1789858.6/39

- sign 630.681 $\pm$ 0.152 χ^2 /NDF: 922116.3/20

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619 ± 36.509 χ^2/NDF : 15.3/15

Left Out: -154.021 ± 66.920 χ^2/NDF : 5.6/2

Right Out: 28.407 ± 35.465 χ^2/NDF : 17.1/18

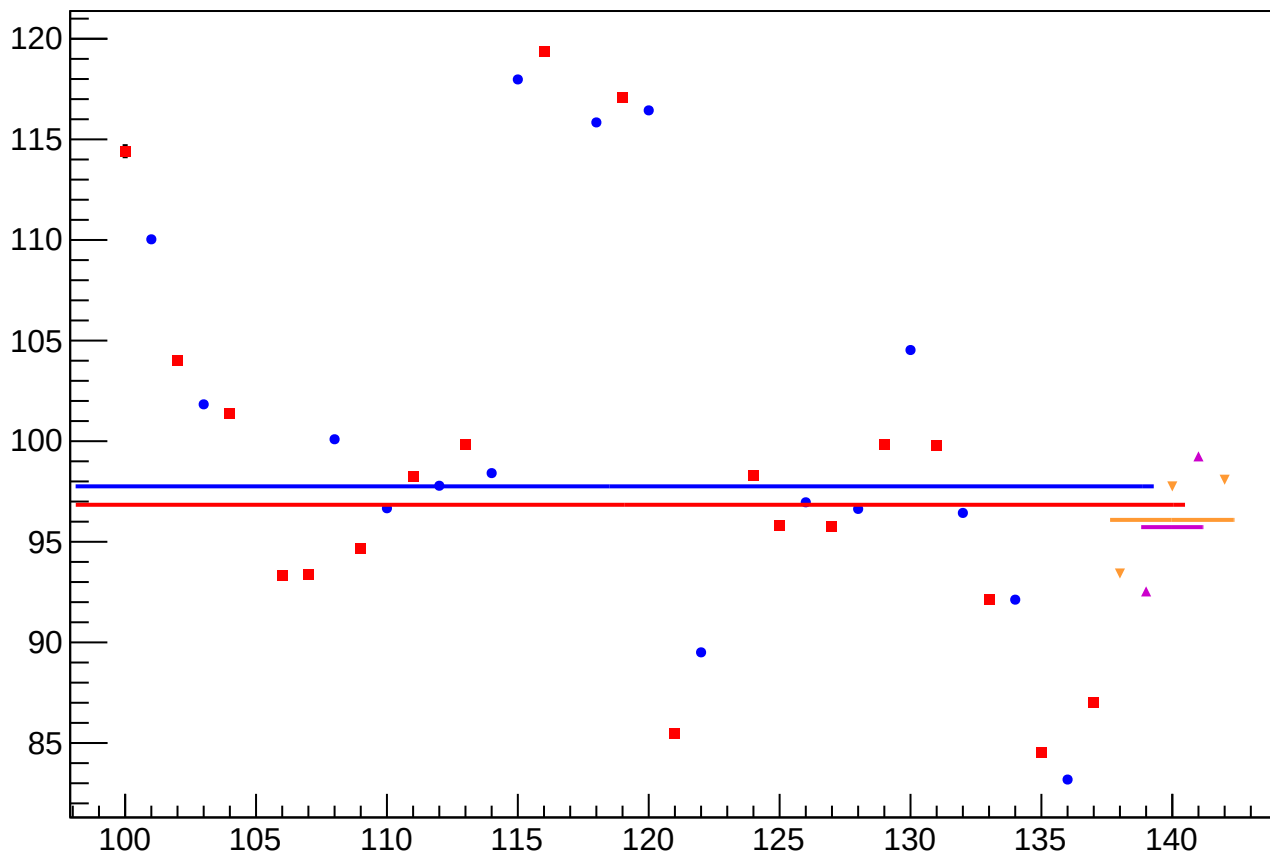
Left In: 61.067 ± 72.818 χ^2/NDF : 1.8/1

+ sign -31.768 ± 32.050 χ^2/NDF : 25.3/18

All: 1.622 ± 22.604 χ^2/NDF : 46.4/39

- sign 34.669 ± 31.884 χ^2/NDF : 19.0/20

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2 /NDF: 140654.4/15

Left Out: 96.089+/-0.047 χ^2 /NDF: 2121.7/2

Right Out: 96.840+/-0.025 χ^2 /NDF: 115170.9/18

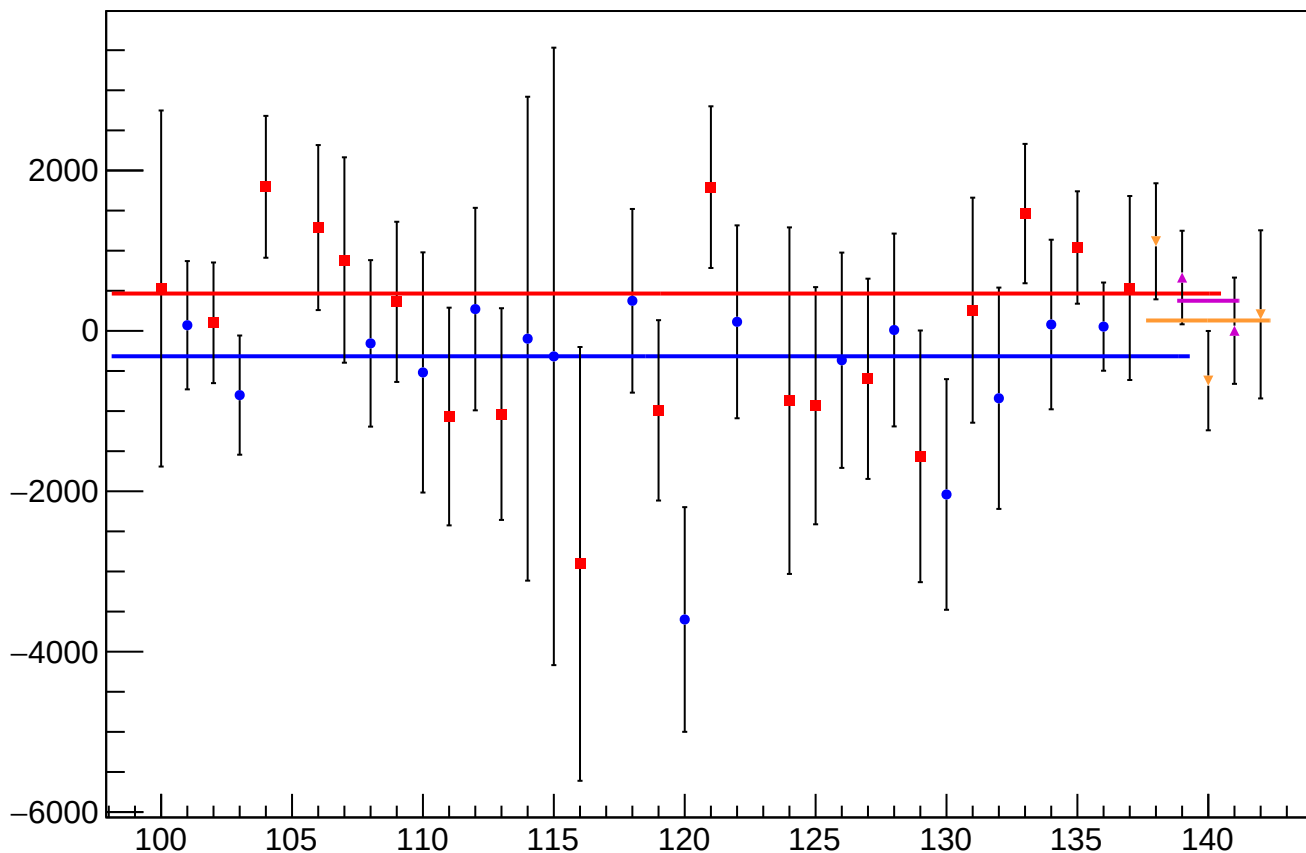
Left In: 95.729+/-0.051 χ^2 /NDF: 4236.5/1

+ sign 97.374+/-0.023 χ^2 /NDF: 143732.4/18

All: 96.998+/-0.016 χ^2 /NDF: 264061.6/39

- sign 96.627+/-0.023 χ^2 /NDF: 119783.4/20

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -316.572+/-267.515 χ^2/NDF : 9.2/15

Left Out: 129.639+/-429.258 χ^2/NDF : 3.3/2

Right Out: 465.576+/-256.646 χ^2/NDF : 16.5/18

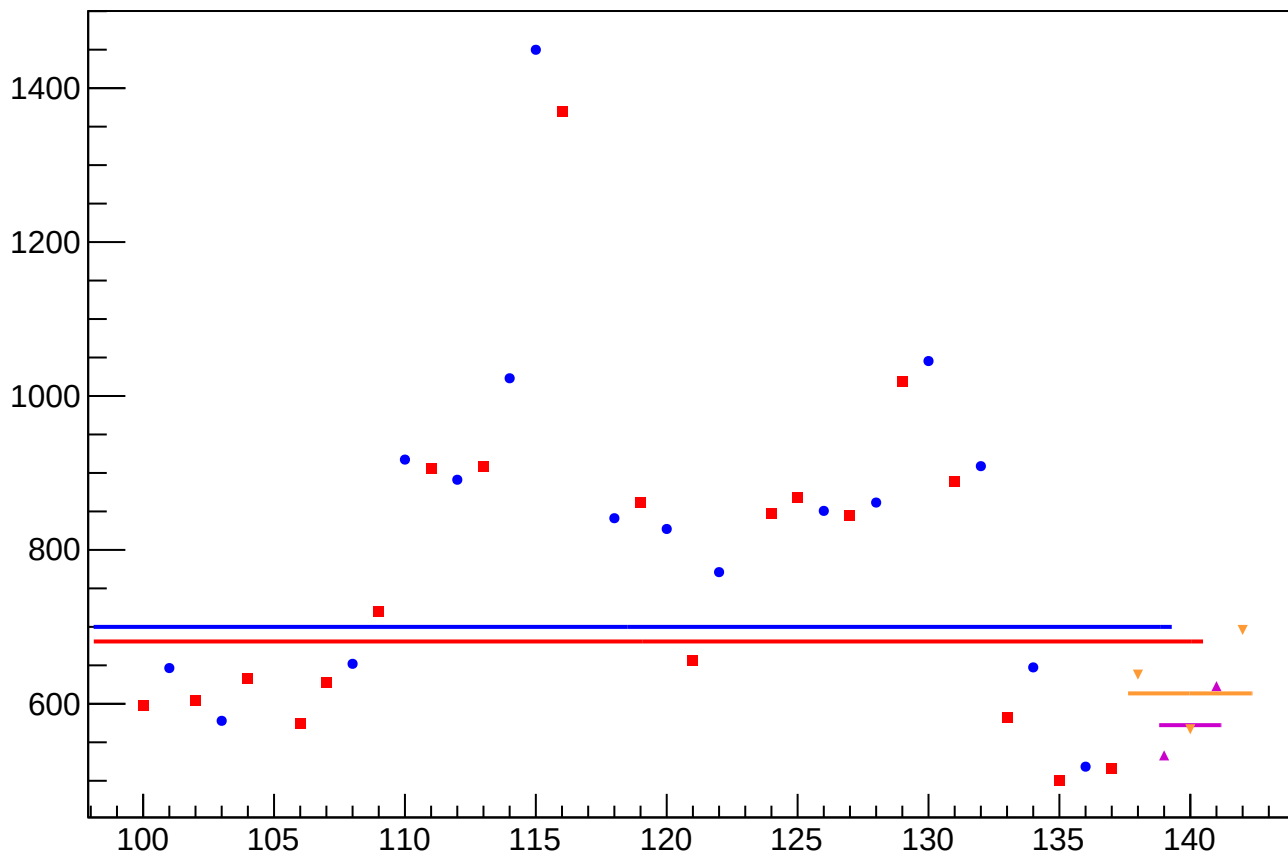
Left In: 375.742+/-437.774 χ^2/NDF : 0.6/1

+ sign -191.750+/-227.036 χ^2/NDF : 13.3/18

All: 133.390+/-158.510 χ^2/NDF : 34.3/39

- sign 442.598+/-221.403 χ^2/NDF : 17.1/20

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973 $\pm$ 0.189 χ^2 /NDF: 753665.4/15

Left Out: 613.548 $\pm$ 0.304 χ^2 /NDF: 25963.4/2

Right Out: 681.016 $\pm$ 0.181 χ^2 /NDF: 769397.2/18

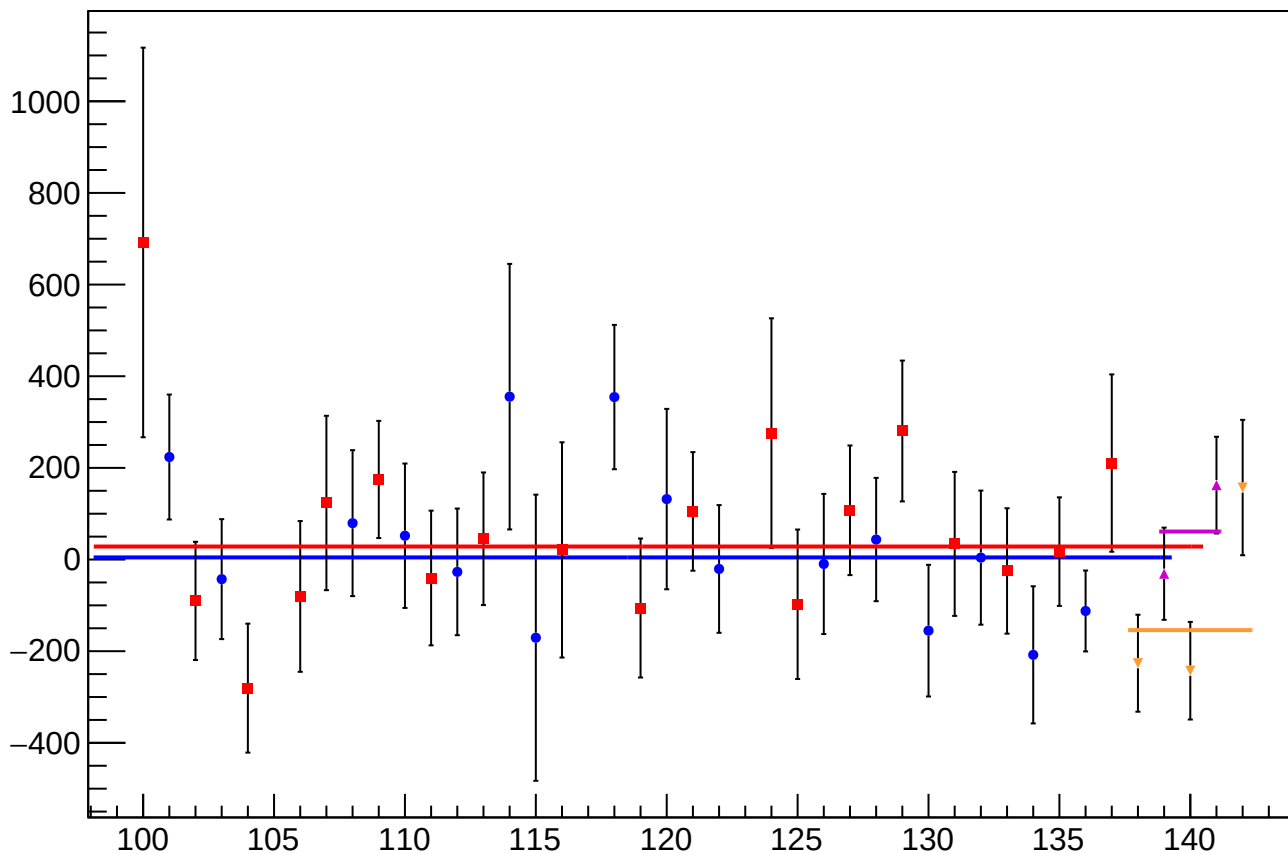
Left In: 572.296 $\pm$ 0.310 χ^2 /NDF: 20780.0/1

+ sign 675.797 $\pm$ 0.161 χ^2 /NDF: 838021.1/18

All: 664.219 $\pm$ 0.112 χ^2 /NDF: 1730148.6/39

- sign 653.208 $\pm$ 0.157 χ^2 /NDF: 881979.6/20

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620 ± 36.509 $\chi^2/\text{NDF}: 15.3/15$

Left Out: -154.021 ± 66.921 $\chi^2/\text{NDF}: 5.6/2$

Right Out: 28.407 ± 35.465 $\chi^2/\text{NDF}: 17.1/18$

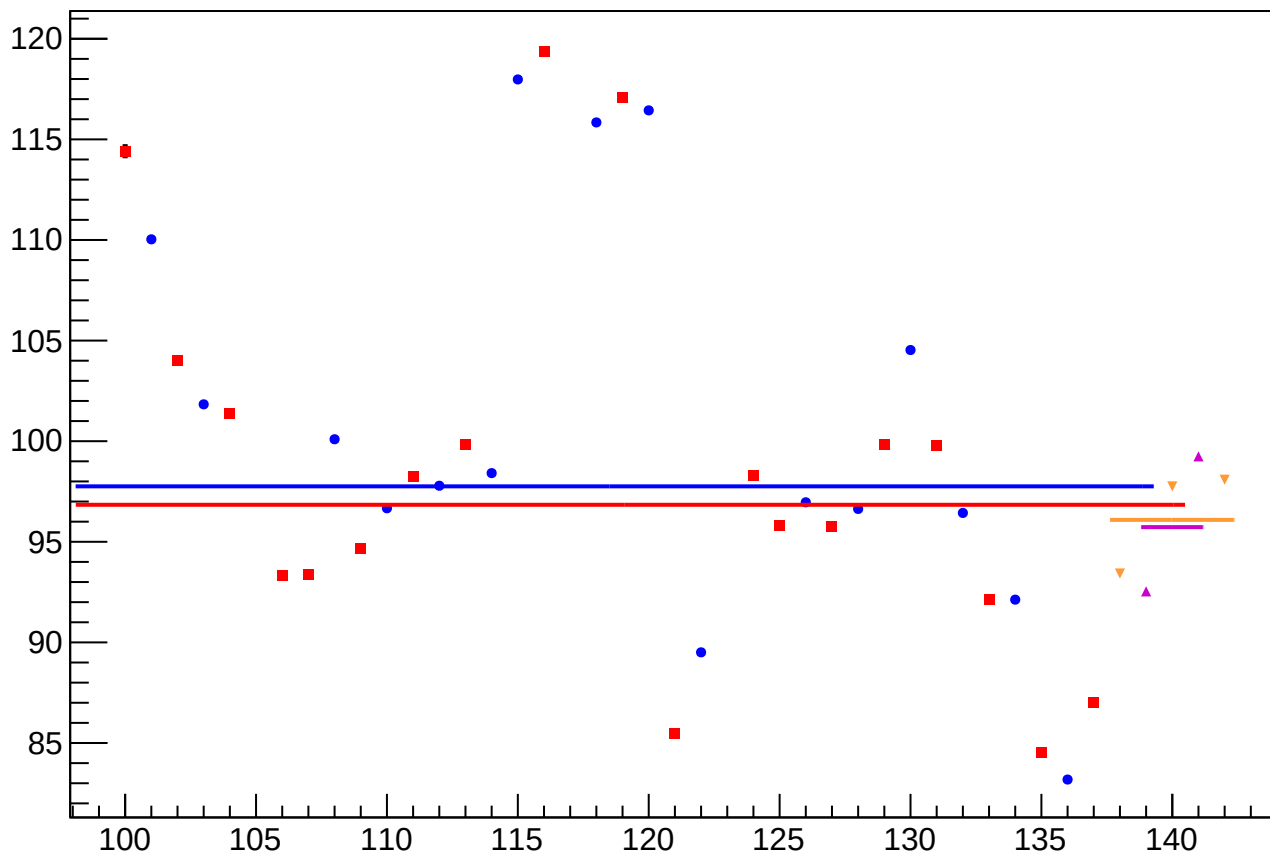
Left In: 61.067 ± 72.818 $\chi^2/\text{NDF}: 1.8/1$

+ sign -31.766 ± 32.050 $\chi^2/\text{NDF}: 25.3/18$

All: 1.623 ± 22.604 $\chi^2/\text{NDF}: 46.4/39$

- sign 34.669 ± 31.884 $\chi^2/\text{NDF}: 19.0/20$

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756 $\pm$ 0.026 χ^2/NDF : 140654.8/15

Left Out: 96.089 $\pm$ 0.047 χ^2/NDF : 2121.4/2

Right Out: 96.839 $\pm$ 0.025 χ^2/NDF : 115173.1/18

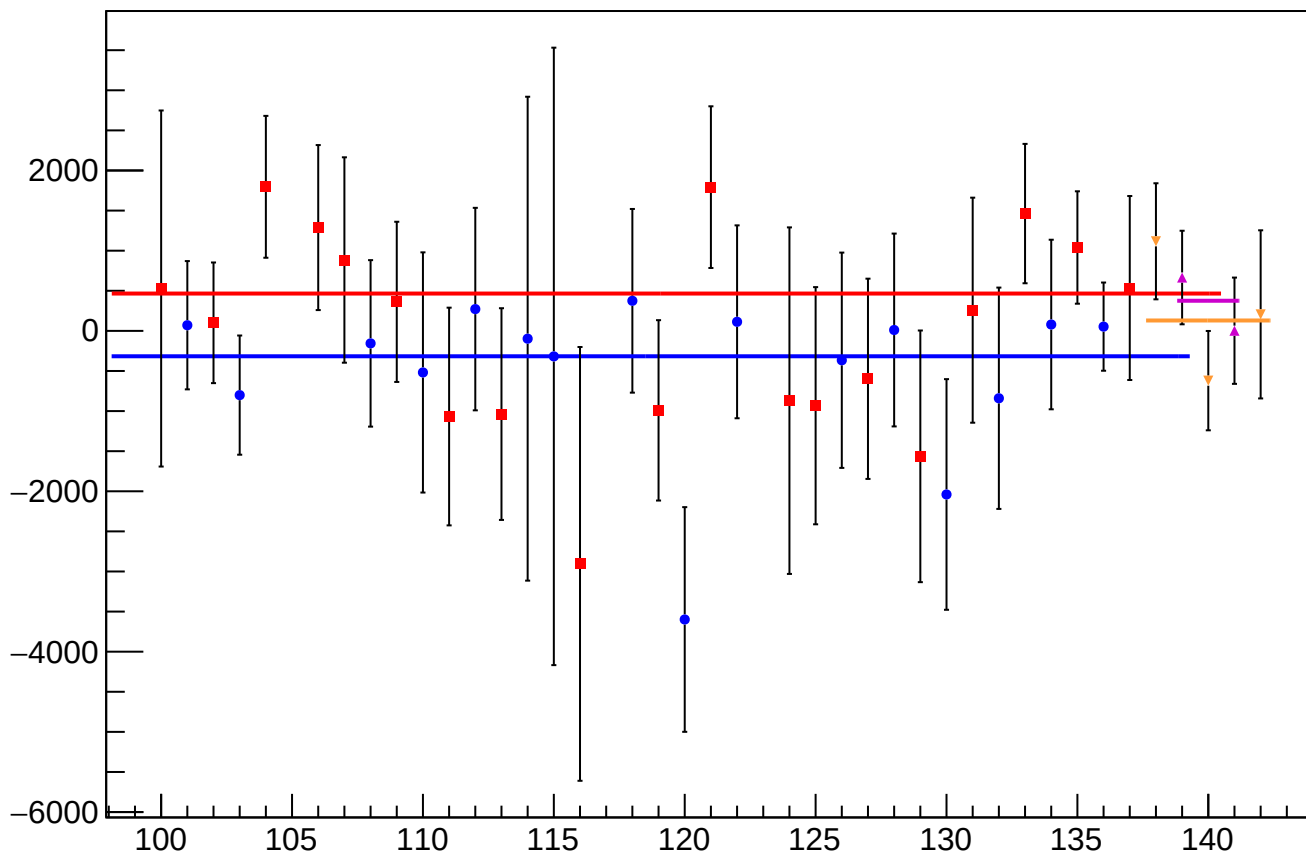
Left In: 95.730 $\pm$ 0.051 χ^2/NDF : 4236.5/1

+ sign 97.373 $\pm$ 0.023 χ^2/NDF : 143731.9/18

All: 96.998 $\pm$ 0.016 χ^2/NDF : 264063.0/39

- sign 96.627 $\pm$ 0.023 χ^2/NDF : 119785.2/20

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



Right In: -316.570 ± 267.515 $\chi^2/\text{NDF}: 9.2/15$

Left Out: 129.639 ± 429.260 $\chi^2/\text{NDF}: 3.3/2$

Right Out: 465.576 ± 256.645 $\chi^2/\text{NDF}: 16.5/18$

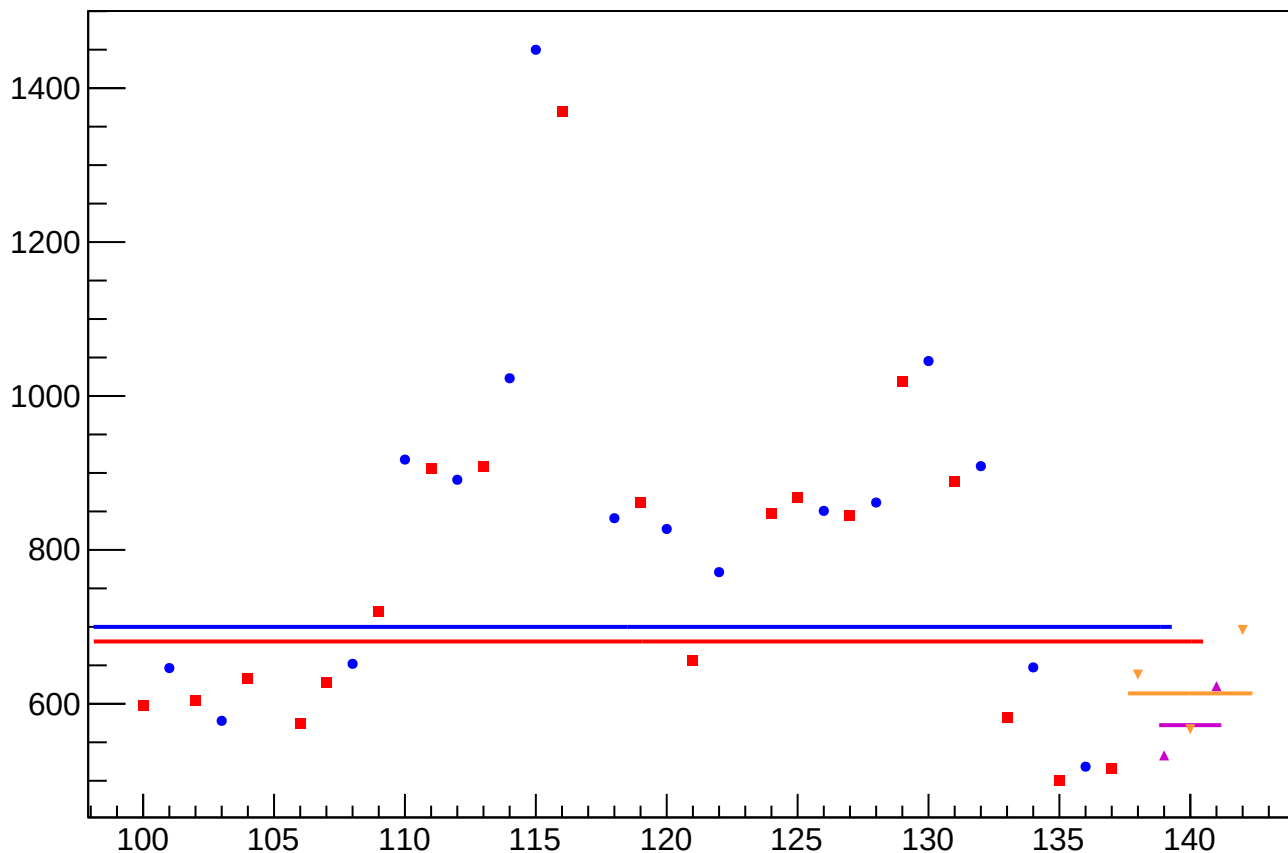
Left In: 375.744 ± 437.775 $\chi^2/\text{NDF}: 0.6/1$

+ sign -191.750 ± 227.035 $\chi^2/\text{NDF}: 13.3/18$

All: 133.390 ± 158.509 $\chi^2/\text{NDF}: 34.3/39$

- sign 442.599 ± 221.403 $\chi^2/\text{NDF}: 17.1/20$

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF : 753668.1/15

Left Out: 613.550+/-0.304 χ^2/NDF : 25963.1/2

Right Out: 681.015+/-0.181 χ^2/NDF : 769400.5/18

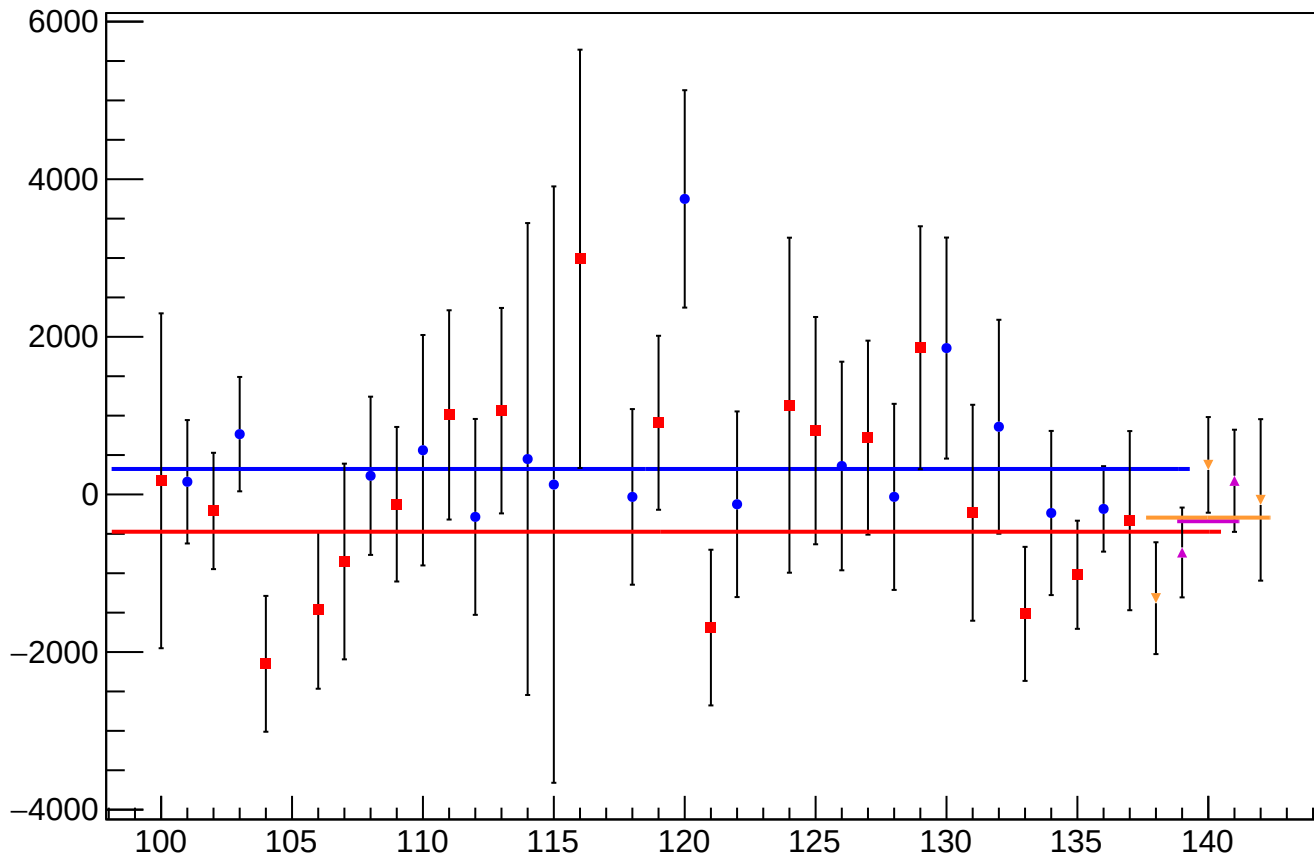
Left In: 572.297+/-0.310 χ^2/NDF : 20780.4/1

+ sign 675.796+/-0.161 χ^2/NDF : 838019.3/18

All: 664.218+/-0.112 χ^2/NDF : 1730145.8/39

- sign 653.207+/-0.157 χ^2/NDF : 881978.3/20

asym_sam_15_dd_mean vs Slug



Right In: 323.198 ± 262.332 $\chi^2/\text{NDF}: 9.7/15$

Left Out: -294.027 ± 420.562 $\chi^2/\text{NDF}: 3.3/2$

Right Out: -473.233 ± 251.330 $\chi^2/\text{NDF}: 19.4/18$

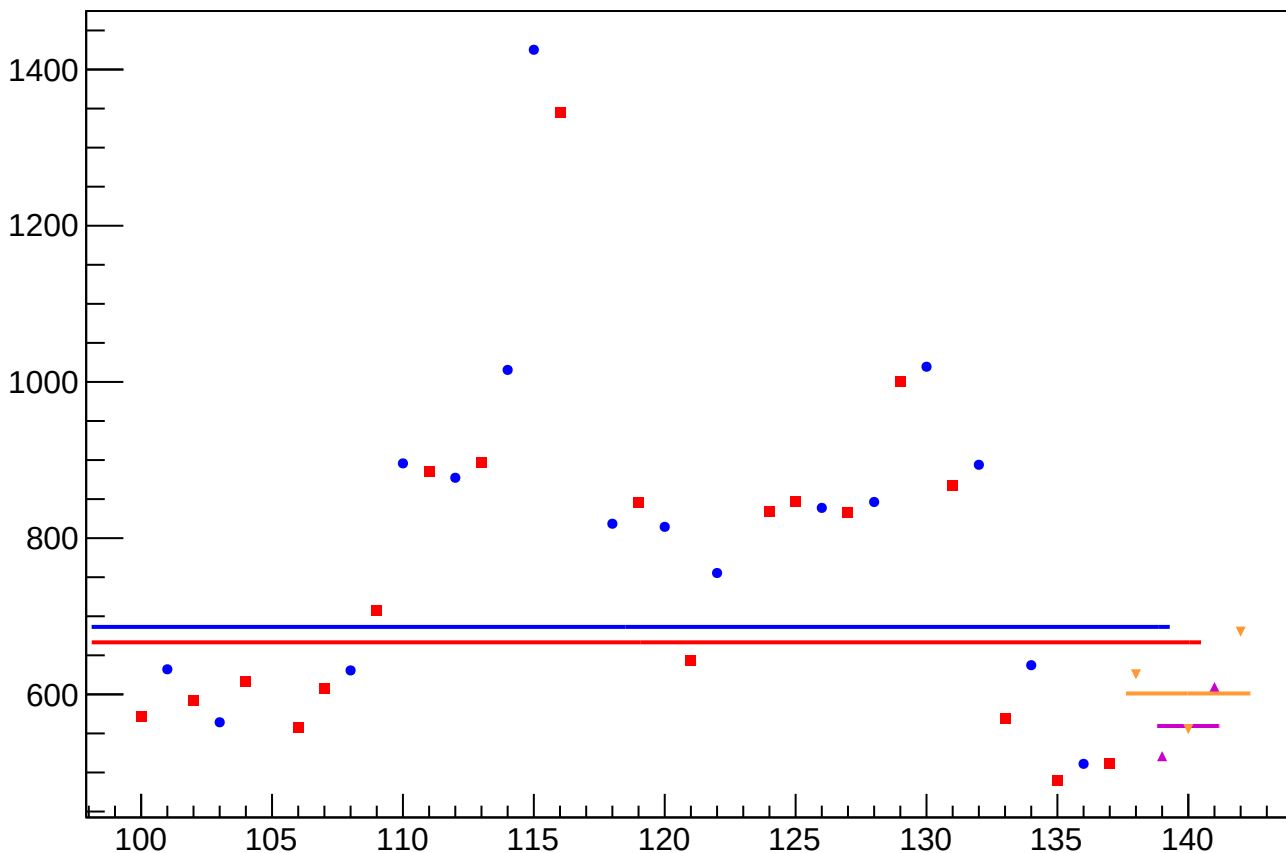
Left In: -339.835 ± 427.983 $\chi^2/\text{NDF}: 1.1/1$

+ sign 150.313 ± 222.581 $\chi^2/\text{NDF}: 14.6/18$

All: -152.213 ± 155.276 $\chi^2/\text{NDF}: 38.8/39$

- sign -439.027 ± 216.724 $\chi^2/\text{NDF}: 20.6/20$

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF : 749454.8/15

Left Out: 601.165+/-0.297 χ^2/NDF : 25604.6/2

Right Out: 666.634+/-0.178 χ^2/NDF : 777033.6/18

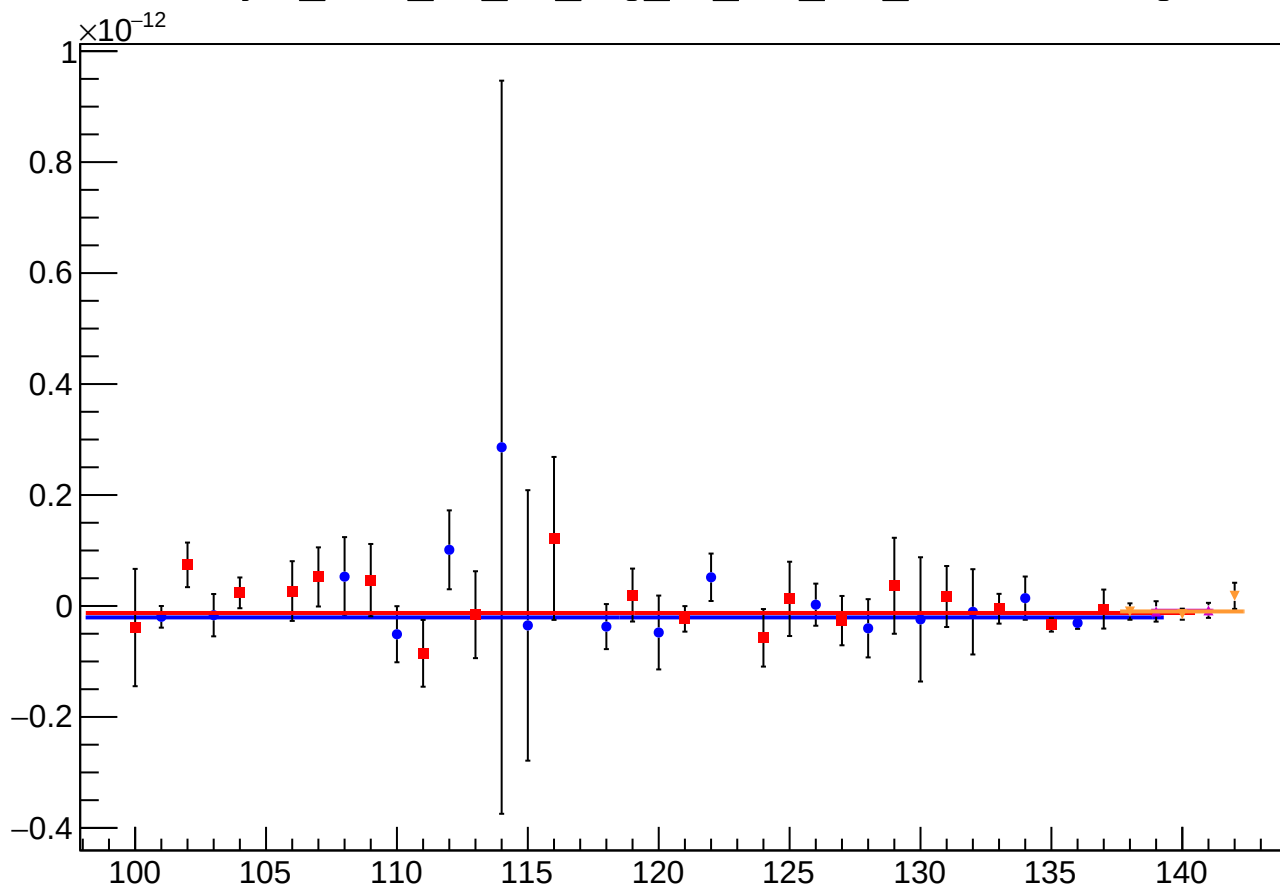
Left In: 559.502+/-0.303 χ^2/NDF : 21065.2/1

+ sign 662.521+/-0.157 χ^2/NDF : 834190.8/18

All: 650.531+/-0.110 χ^2/NDF : 1736781.1/39

- sign 639.163+/-0.153 χ^2/NDF : 891283.6/20

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: 1.7/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/18

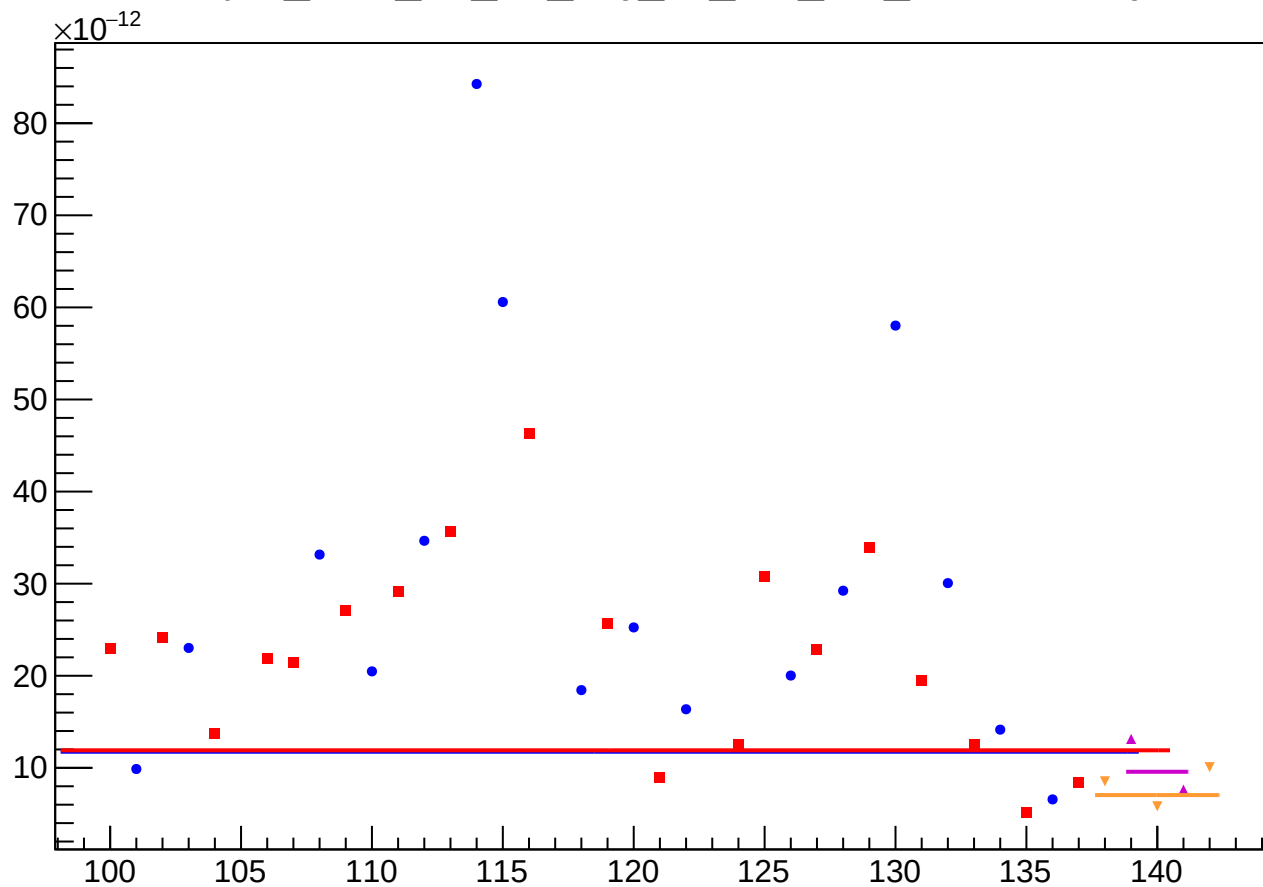
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.0/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/20

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF :83435.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2202451.9/18

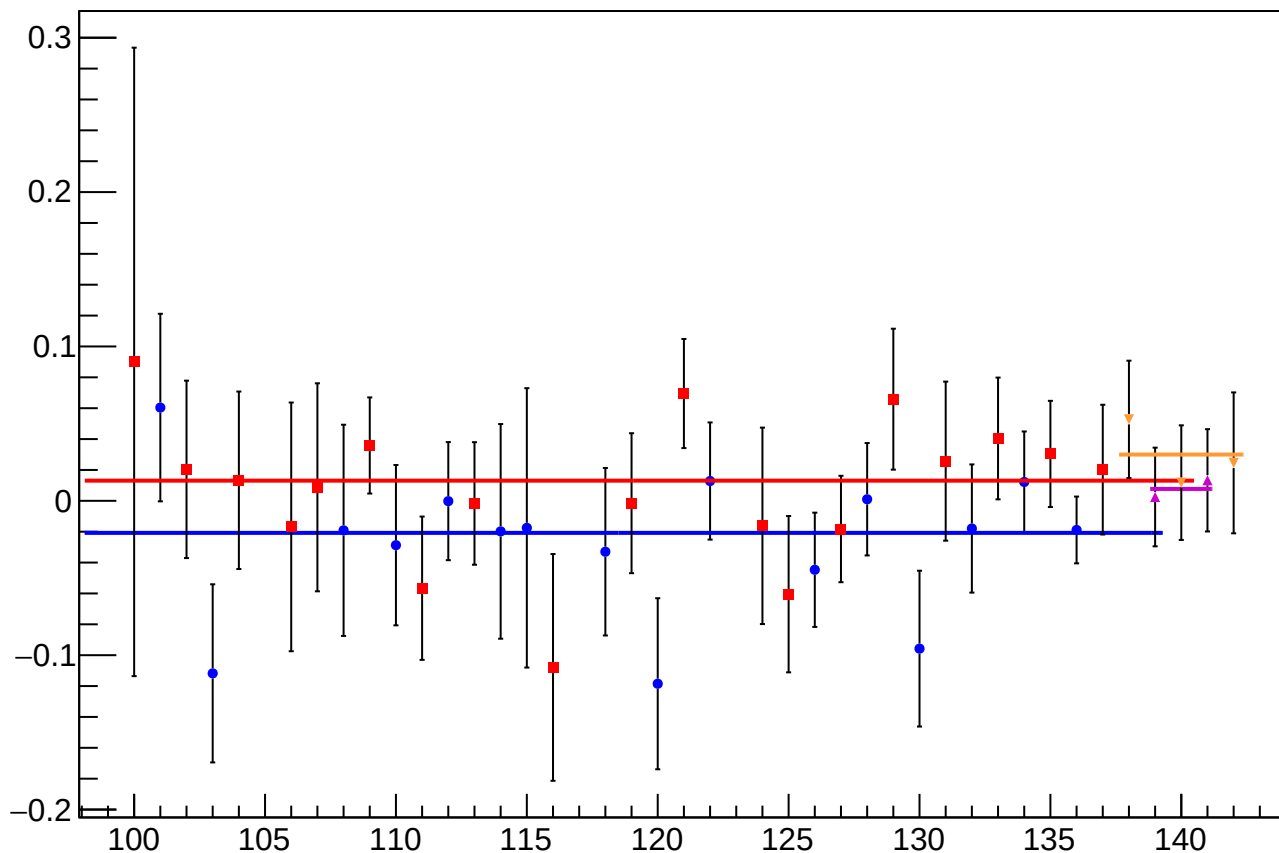
Left In: 0.000+/-0.000 χ^2/NDF :115946.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 2607625.5/18

All: 0.000+/-0.000 χ^2/NDF : 5069038.1/39

- sign 0.000+/-0.000 χ^2/NDF : 2378506.5/20

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: 0.030 ± 0.023 χ^2/NDF : 0.6/2

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

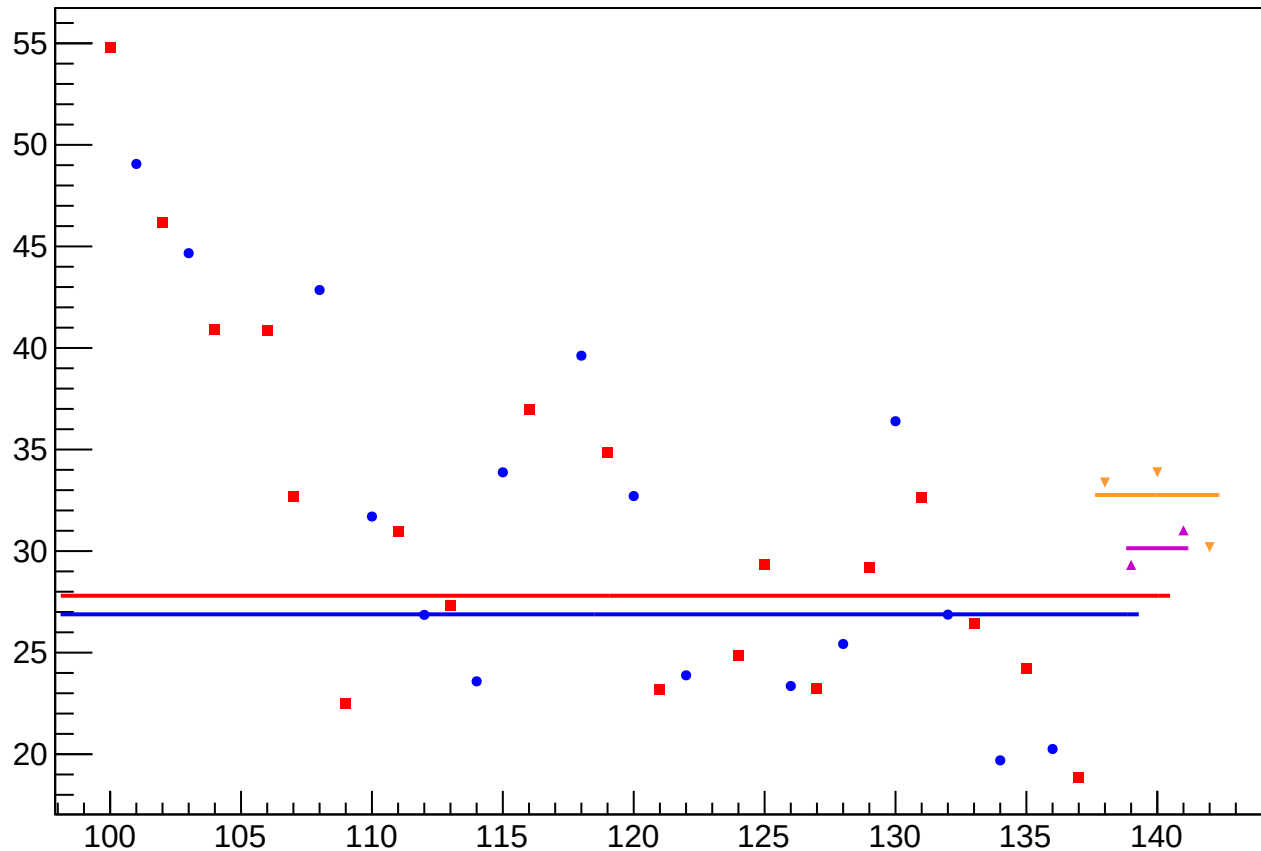
Left In: 0.008 ± 0.023 χ^2/NDF : 0.1/1

+ sign -0.012 ± 0.010 χ^2/NDF : 17.2/18

All: 0.000 ± 0.007 χ^2/NDF : 34.4/39

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/20

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886 $\pm$ 0.007 χ^2 /NDF: 1120557.7/15

Left Out: 32.762 $\pm$ 0.016 χ^2 /NDF: 8663.9/2

Right Out: 27.802 $\pm$ 0.007 χ^2 /NDF: 763106.1/18

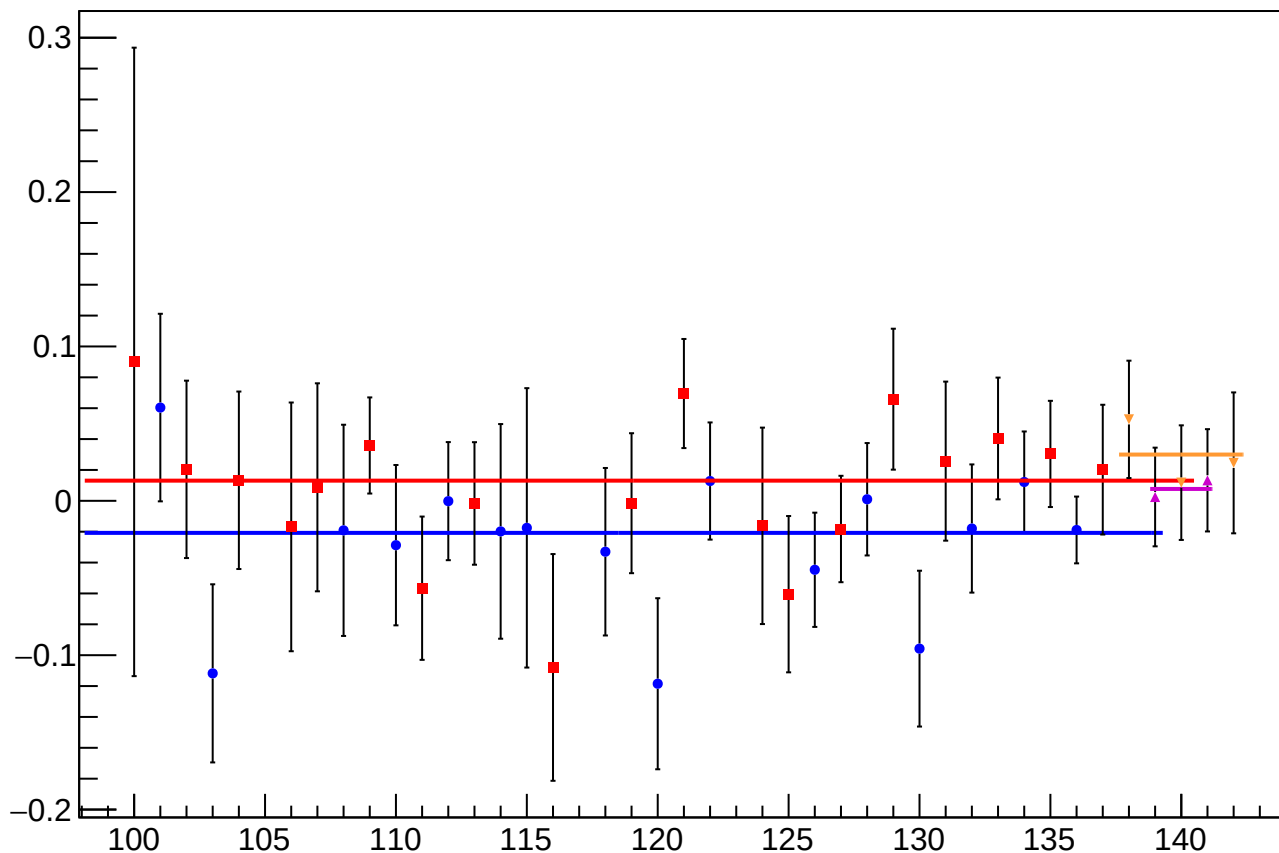
Left In: 30.140 $\pm$ 0.016 χ^2 /NDF: 2739.6/1

+ sign 27.904 $\pm$ 0.007 χ^2 /NDF: 1237576.9/18

All: 28.055 $\pm$ 0.005 χ^2 /NDF: 2021506.0/39

- sign 28.208 $\pm$ 0.007 χ^2 /NDF: 782924.9/20

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: 0.030 ± 0.023 χ^2/NDF : 0.6/2

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

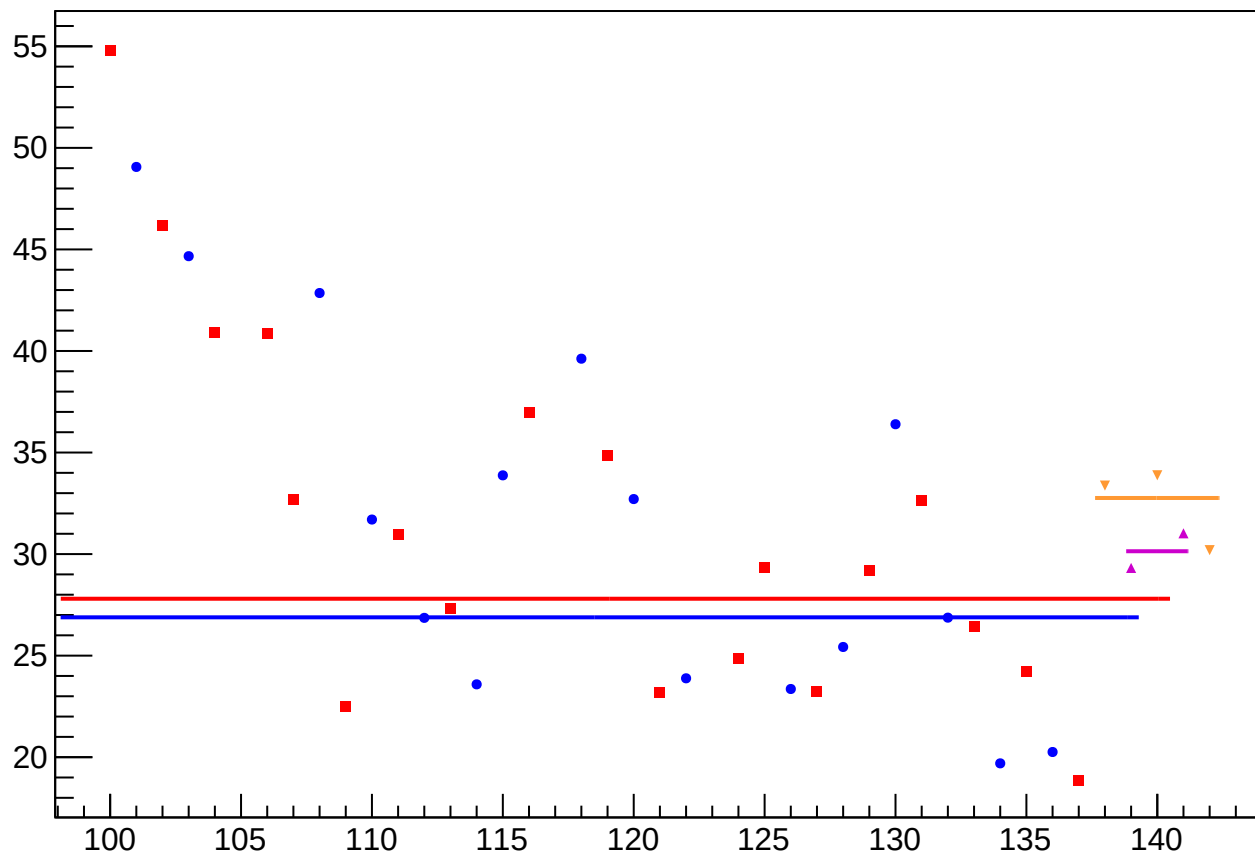
Left In: 0.008 ± 0.023 χ^2/NDF : 0.1/1

+ sign -0.012 ± 0.010 χ^2/NDF : 17.2/18

All: 0.000 ± 0.007 χ^2/NDF : 34.4/39

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/20

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: 32.762 $\pm$ 0.016 χ^2 /NDF: 8663.9/2

Right Out: 27.802 $\pm$ 0.007 χ^2 /NDF: 763106.1/18

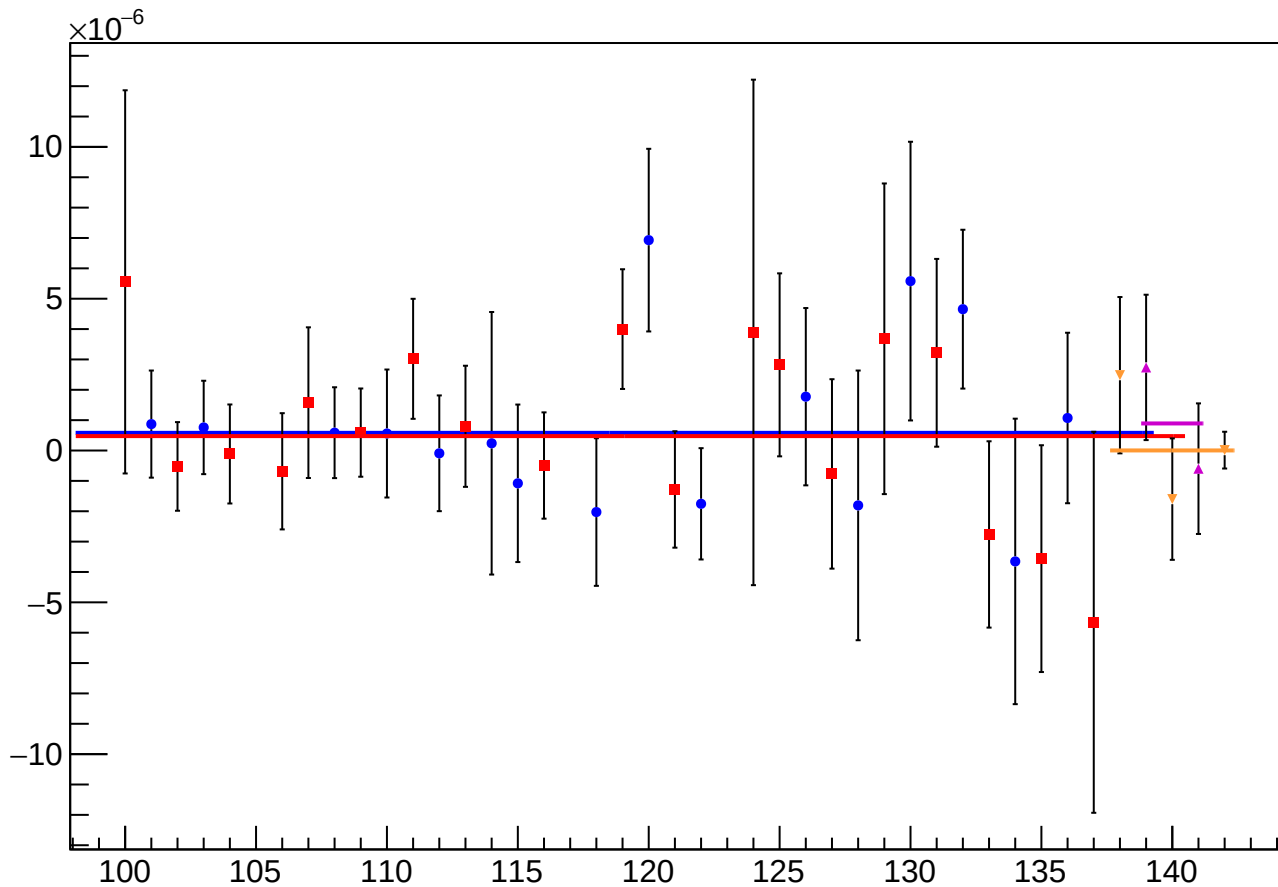
Left In: 30.140 $\pm$ 0.016 χ^2 /NDF: 2739.6/1

+ sign 27.904 $\pm$ 0.007 χ^2 /NDF: 1237576.9/18

All: 28.055 $\pm$ 0.005 χ^2 /NDF: 2021506.0/39

- sign 28.208 $\pm$ 0.007 χ^2 /NDF: 782924.9/20

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:1.6/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.2/18

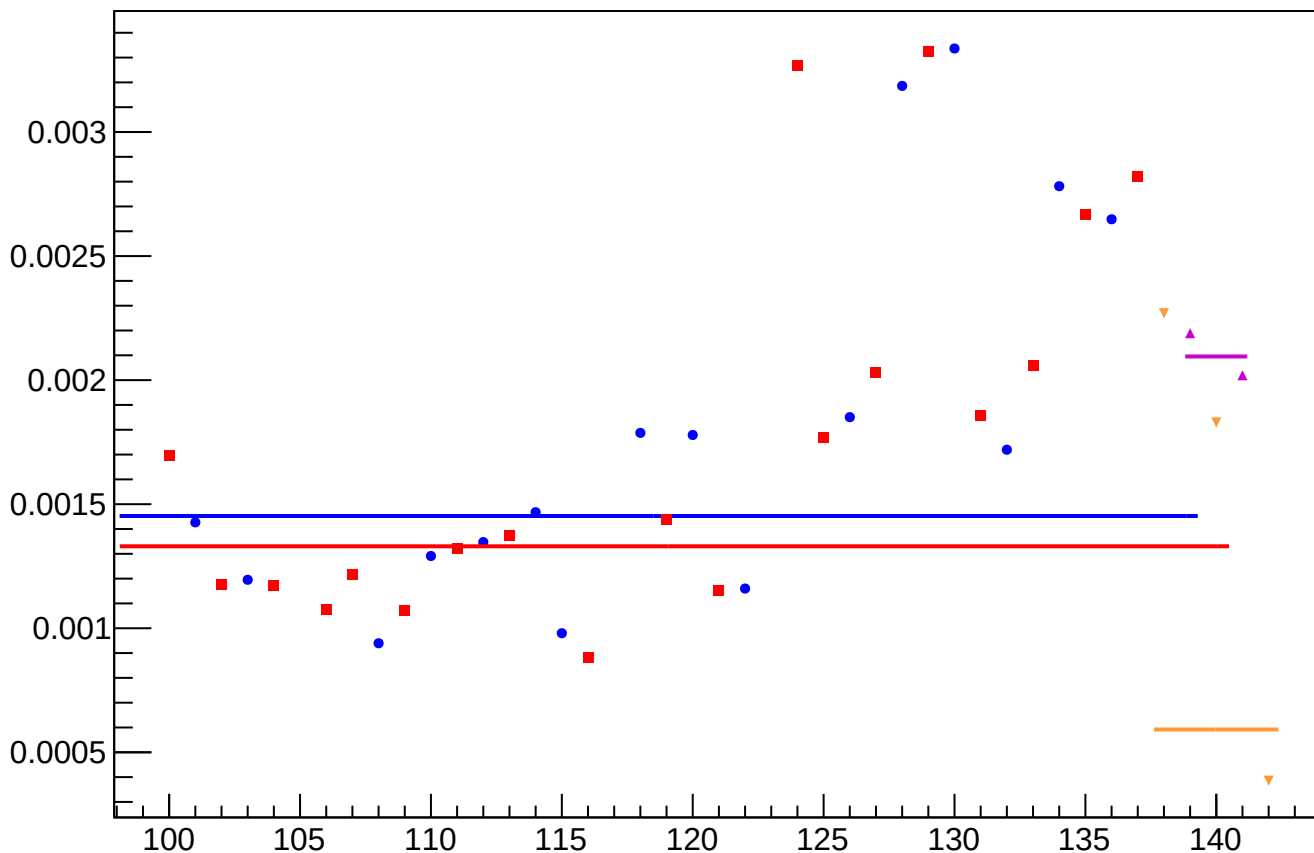
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.3/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/20

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 :1847089.8/2

Right Out: 0.001+/-0.000 χ^2/NDF : 1402821.5/18

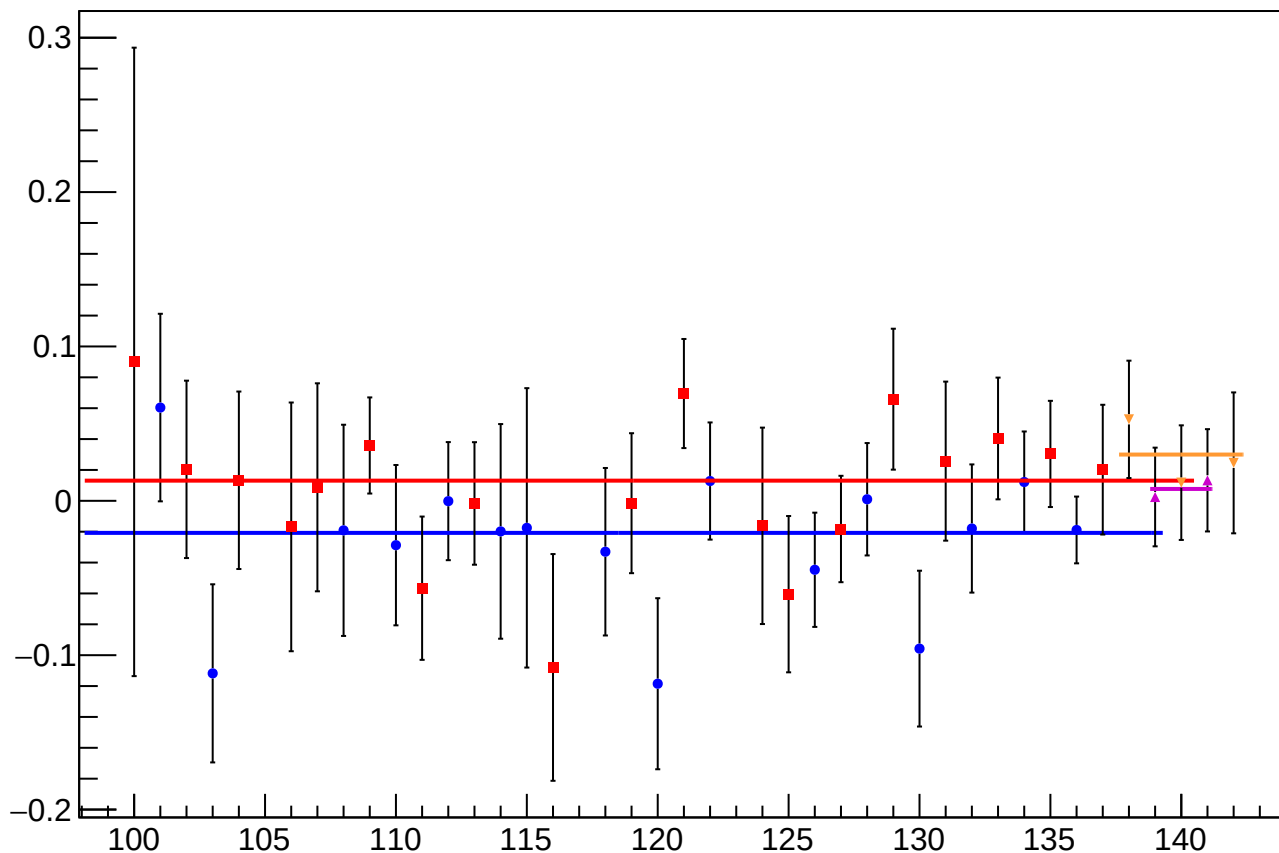
Left In: 0.002+/-0.000 χ^2/NDF :5555.3/1

+ sign 0.001+/-0.000 χ^2/NDF : 5826592.7/18

All: 0.001+/-0.000 χ^2/NDF : 8395176.3/39

- sign 0.001+/-0.000 χ^2/NDF : 1822273.5/20

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: 0.030 ± 0.023 χ^2/NDF : 0.6/2

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

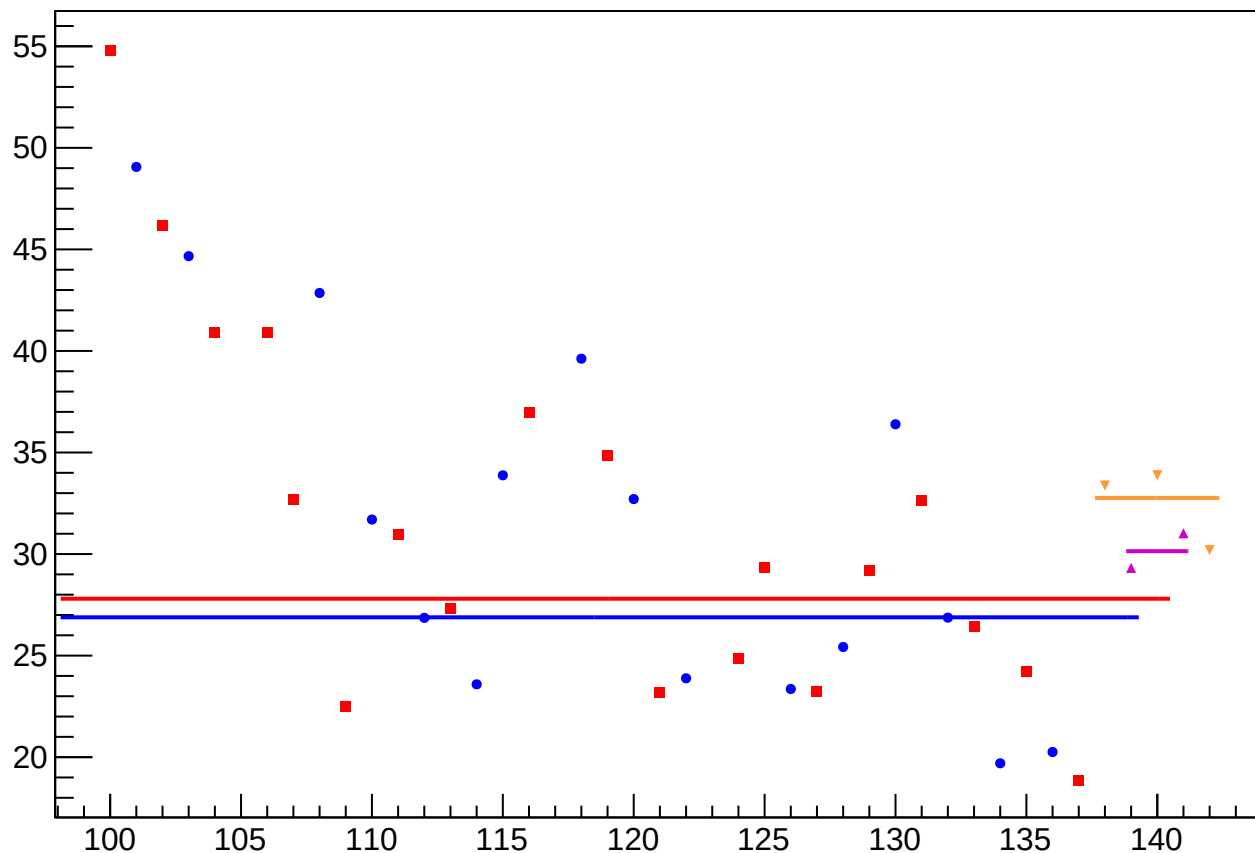
Left In: 0.008 ± 0.023 χ^2/NDF : 0.1/1

+ sign -0.012 ± 0.010 χ^2/NDF : 17.2/18

All: 0.000 ± 0.007 χ^2/NDF : 34.4/39

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/20

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: 32.763 $\pm$ 0.016 χ^2 /NDF: 8668.0/2

Right Out: 27.800 $\pm$ 0.007 χ^2 /NDF: 763213.5/18

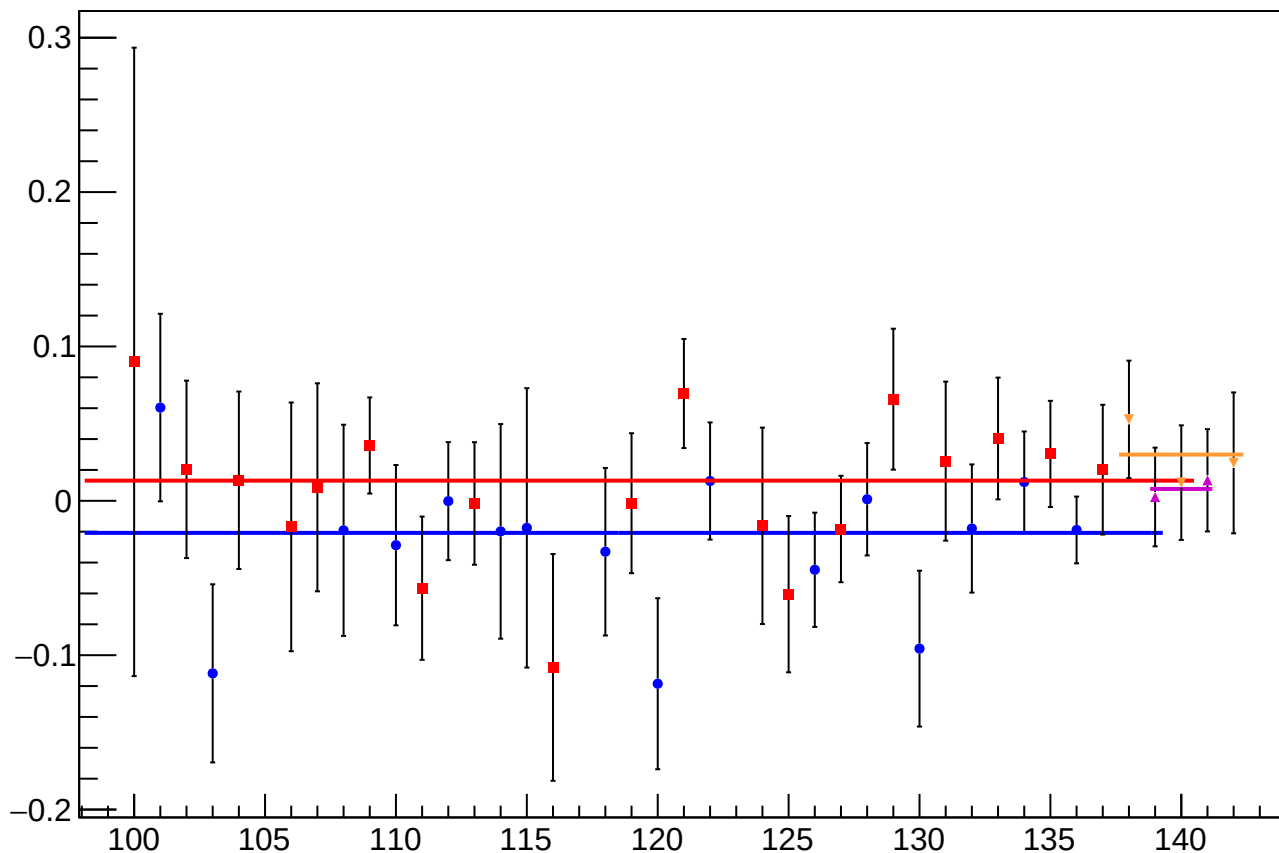
Left In: 30.141 $\pm$ 0.016 χ^2 /NDF: 2740.0/1

+ sign 27.904 $\pm$ 0.007 χ^2 /NDF: 1237653.4/18

All: 28.055 $\pm$ 0.005 χ^2 /NDF: 2021723.7/39

- sign 28.207 $\pm$ 0.007 χ^2 /NDF: 783068.1/20

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: 0.030 ± 0.023 χ^2/NDF : 0.6/2

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

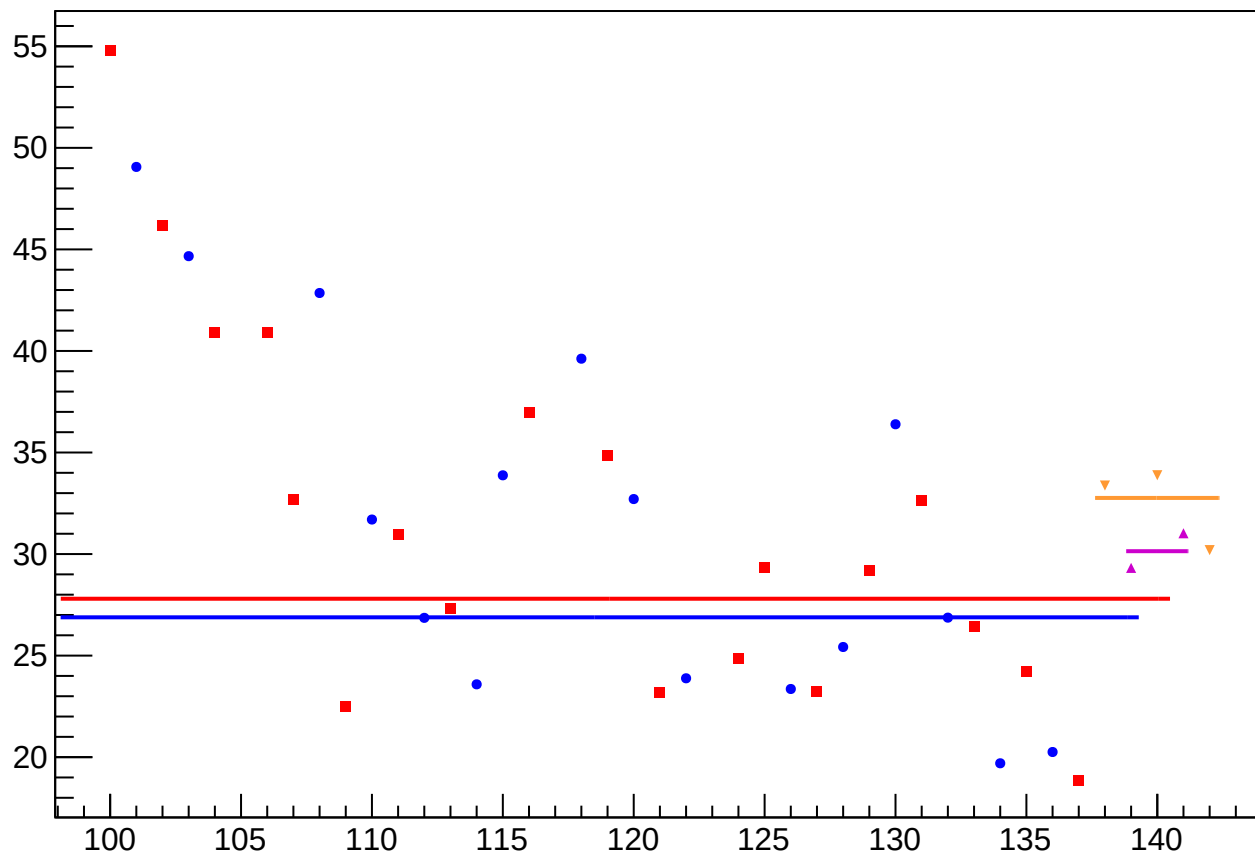
Left In: 0.008 ± 0.023 χ^2/NDF : 0.1/1

+ sign -0.012 ± 0.010 χ^2/NDF : 17.2/18

All: 0.000 ± 0.007 χ^2/NDF : 34.4/39

- sign 0.012 ± 0.010 χ^2/NDF : 14.0/20

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: 32.763 $\pm$ 0.016 χ^2 /NDF: 8668.0/2

Right Out: 27.800 $\pm$ 0.007 χ^2 /NDF: 763213.5/18

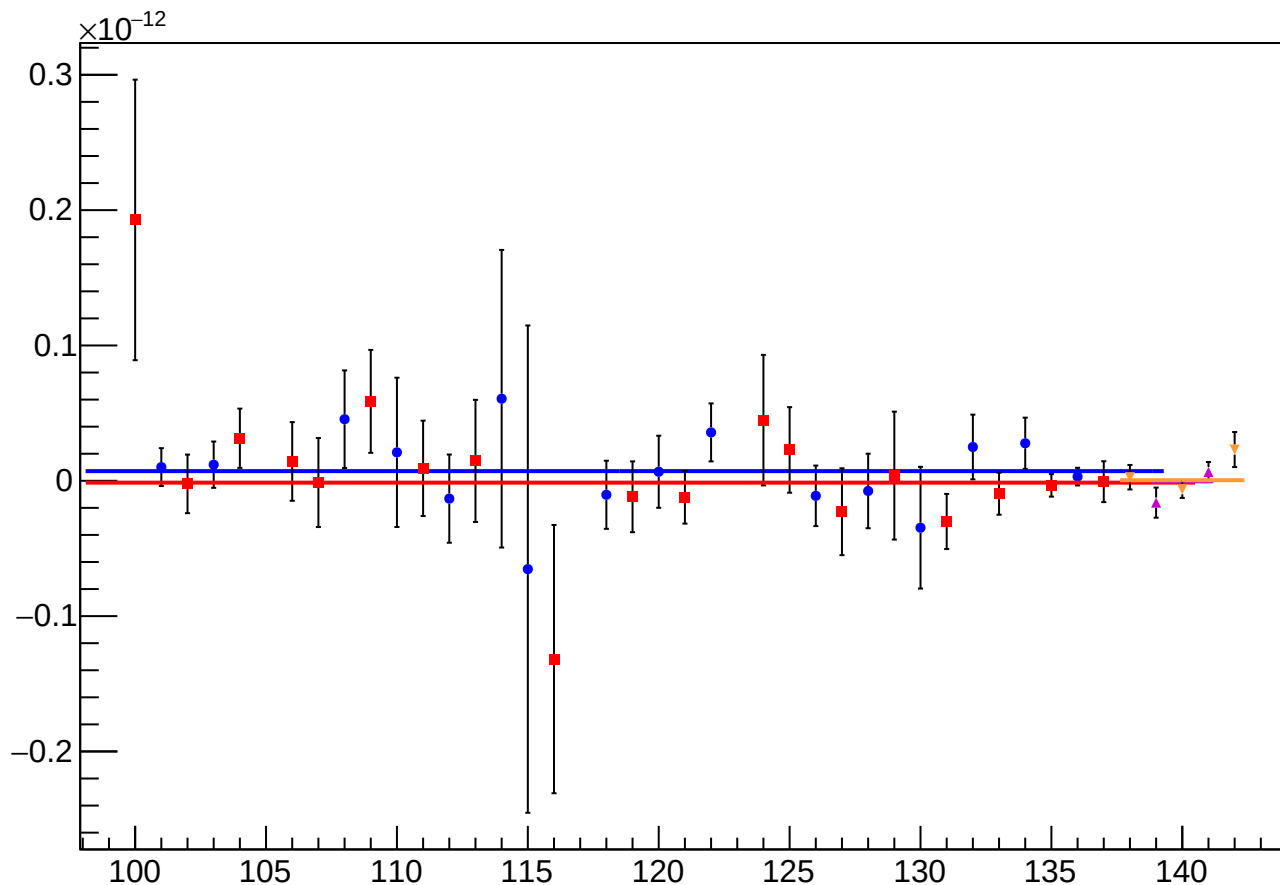
Left In: 30.141 $\pm$ 0.016 χ^2 /NDF: 2740.0/1

+ sign 27.904 $\pm$ 0.007 χ^2 /NDF: 1237653.4/18

All: 28.055 $\pm$ 0.005 χ^2 /NDF: 2021723.7/39

- sign 28.207 $\pm$ 0.007 χ^2 /NDF: 783068.1/20

asym_sam_15_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: 4.2/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.2/18

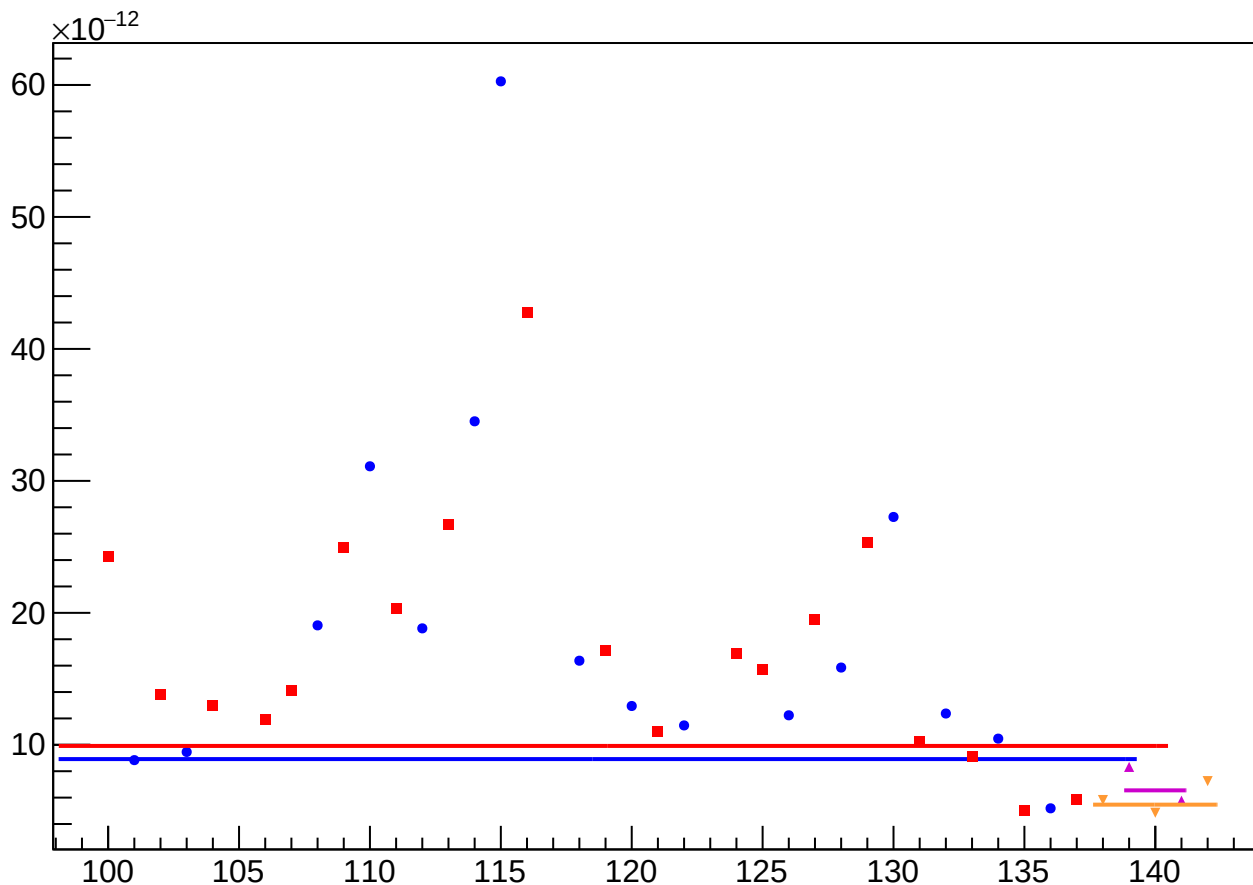
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.5/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.6/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/20

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2402804.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 59177.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2669812.1/18

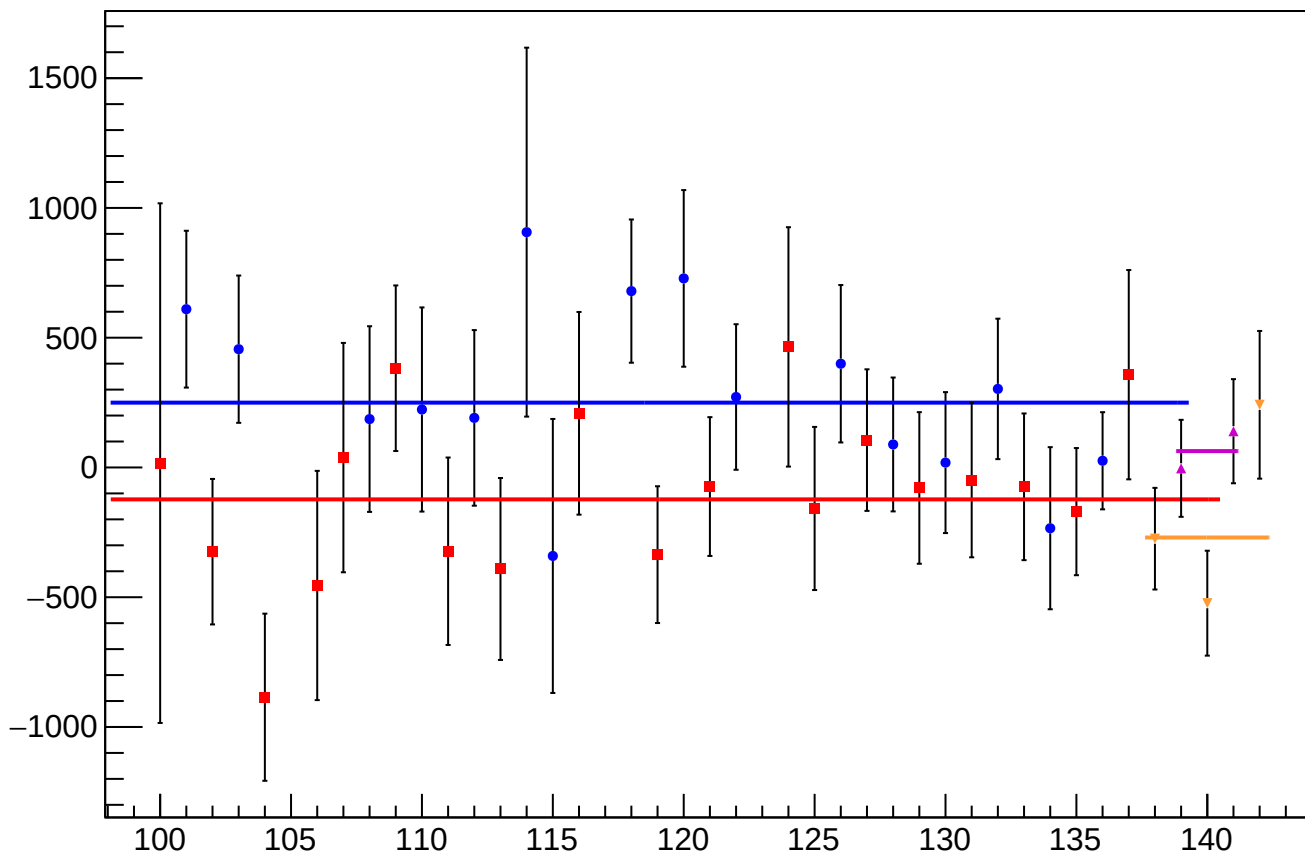
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 73333.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2997752.5/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6234613.7/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3106374.4/20

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761 $\pm$ 74.877 χ^2 /NDF: 13.8/15

Left Out: -269.888 $\pm$ 126.095 χ^2 /NDF: 4.8/2

Right Out: -122.993 $\pm$ 74.370 χ^2 /NDF: 15.6/18

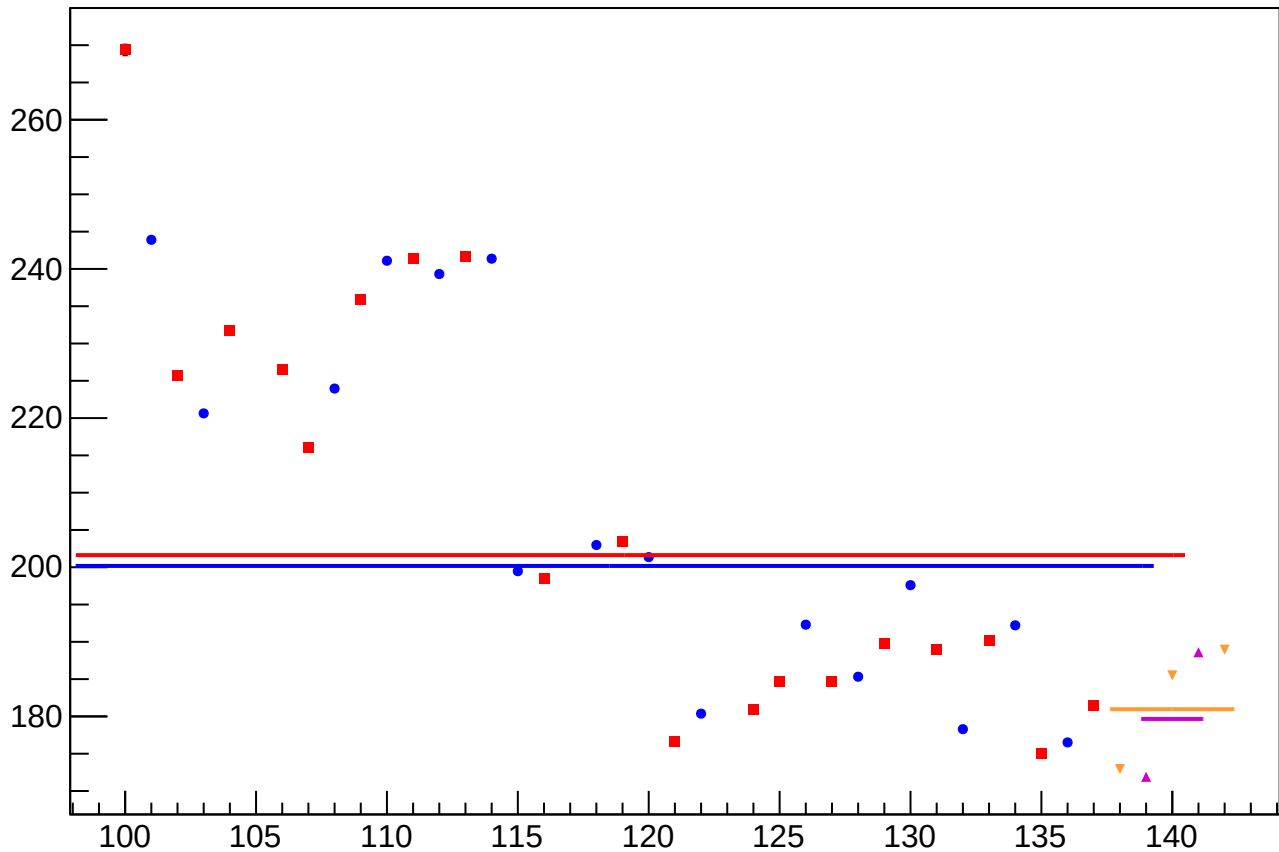
Left In: 63.069 $\pm$ 136.725 χ^2 /NDF: 0.3/1

+ sign 114.293 $\pm$ 64.382 χ^2 /NDF: 31.1/18

All: 18.315 $\pm$ 45.857 χ^2 /NDF: 52.9/39

- sign -80.512 $\pm$ 65.331 χ^2 /NDF: 17.3/20

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.3/15

Left Out: 180.968 $\pm$ 0.089 χ^2 /NDF: 5928.3/2

Right Out: 201.627 $\pm$ 0.053 χ^2 /NDF: 197245.7/18

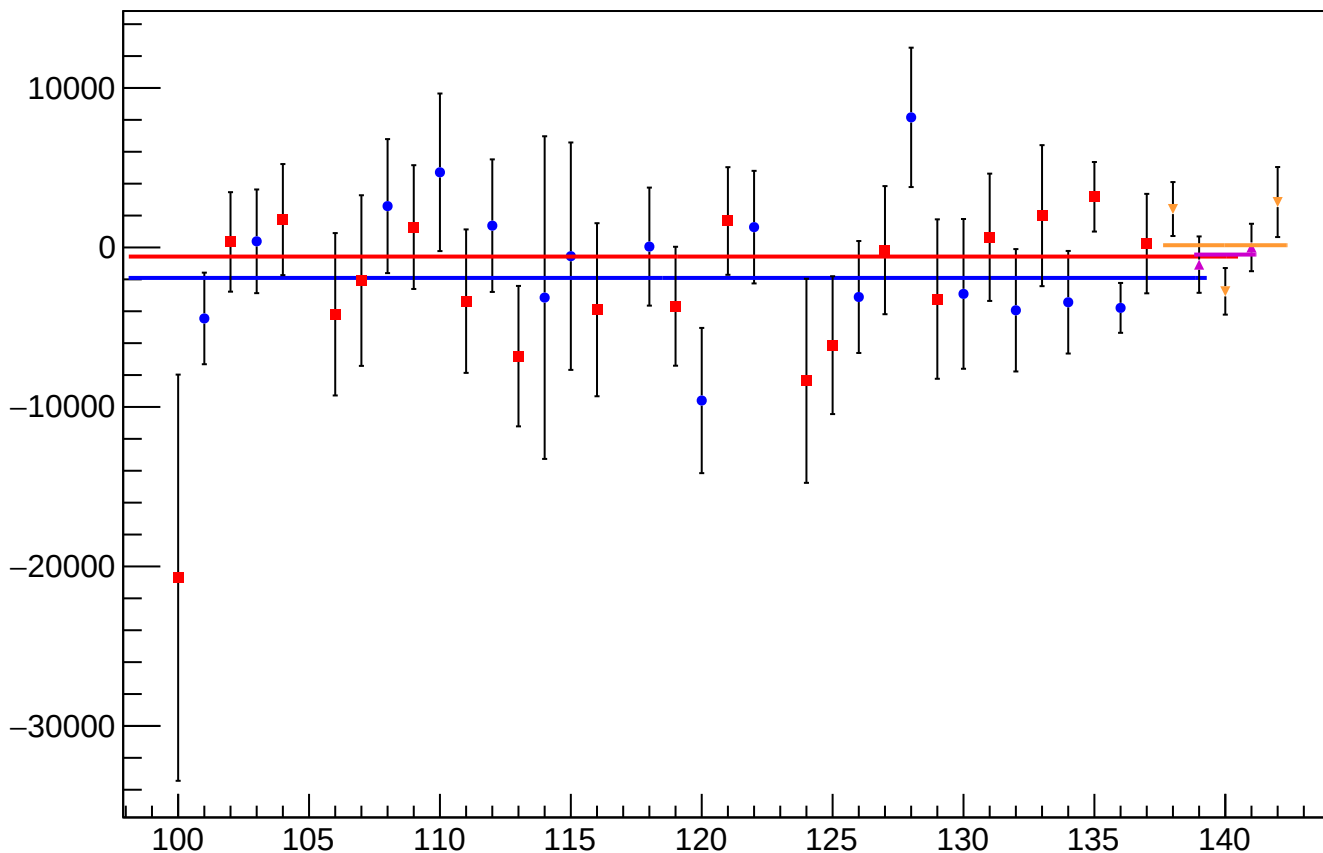
Left In: 179.662 $\pm$ 0.097 χ^2 /NDF: 7424.8/1

+ sign 195.169 $\pm$ 0.046 χ^2 /NDF: 221243.0/18

All: 195.880 $\pm$ 0.032 χ^2 /NDF: 466242.6/39

- sign 196.612 $\pm$ 0.046 χ^2 /NDF: 244504.7/20

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1910.348 ± 859.088 $\chi^2/\text{NDF}: 16.3/15$

Left Out: 140.412 ± 987.371 $\chi^2/\text{NDF}: 7.2/2$

Right Out: -570.946 ± 900.451 $\chi^2/\text{NDF}: 14.6/18$

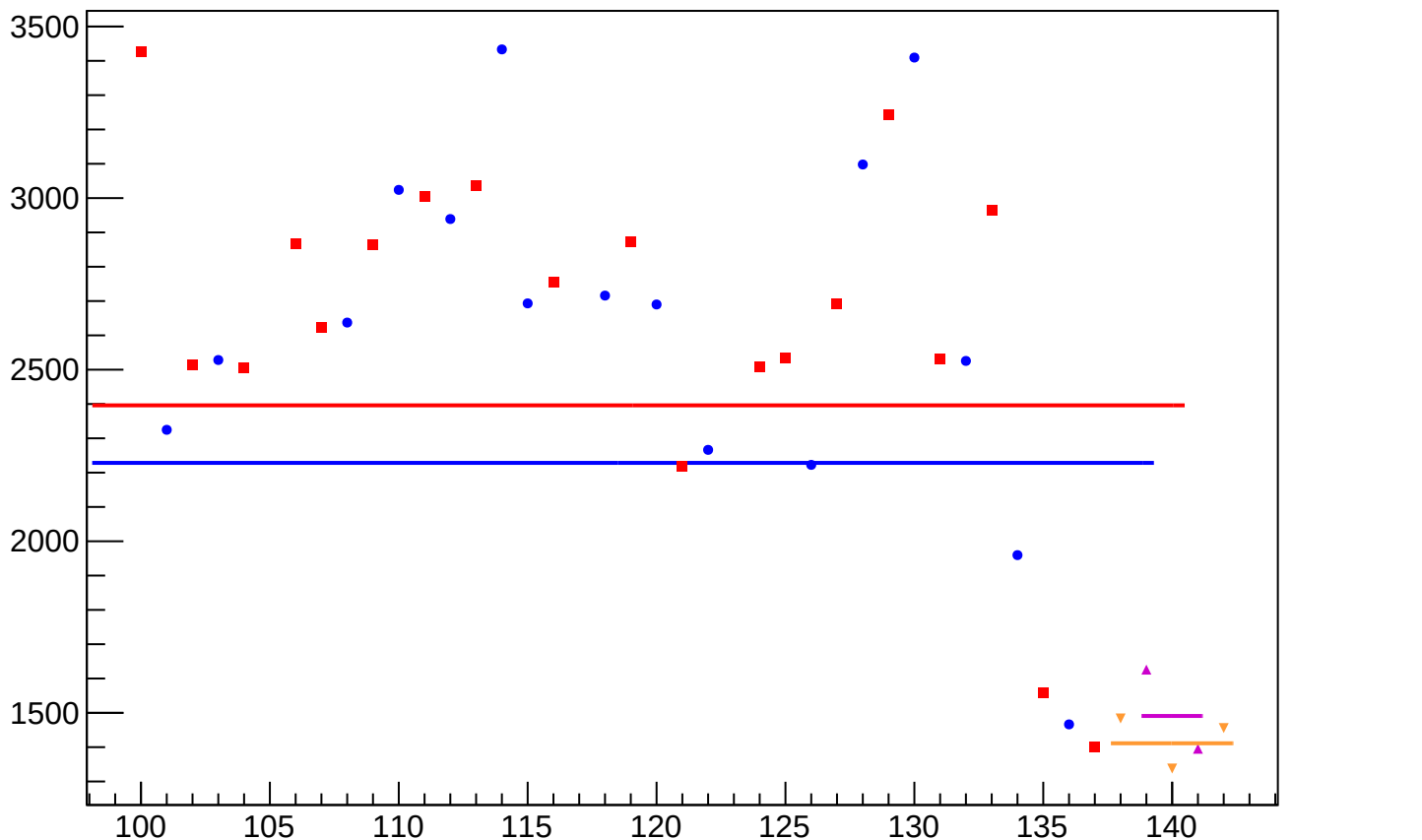
Left In: -446.862 ± 1137.847 $\chi^2/\text{NDF}: 0.2/1$

+ sign -1026.761 ± 648.108 $\chi^2/\text{NDF}: 26.0/18$

All: -796.488 ± 477.469 $\chi^2/\text{NDF}: 41.1/39$

- sign -523.162 ± 706.099 $\chi^2/\text{NDF}: 14.9/20$

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF : 947654.8/15

Left Out: 1411.276+/-0.698 χ^2/NDF : 9552.9/2

Right Out: 2396.080+/-0.637 χ^2/NDF : 799442.5/18

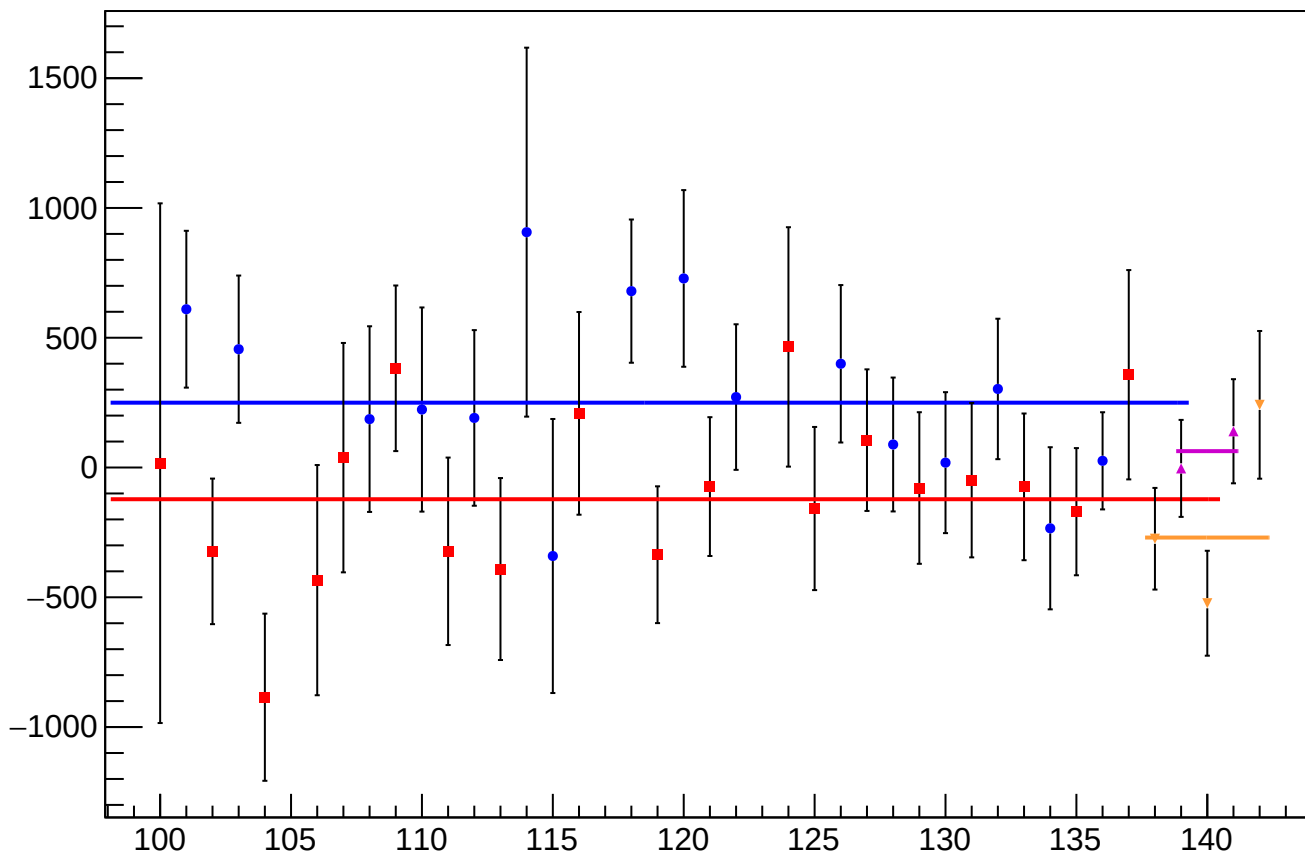
Left In: 1490.924+/-0.805 χ^2/NDF : 19945.9/1

+ sign 1876.353+/-0.458 χ^2/NDF : 1736856.5/18

All: 1954.616+/-0.338 χ^2/NDF : 3398277.7/39

- sign 2047.512+/-0.499 χ^2/NDF : 1597639.9/20

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764 ± 74.877 χ^2/NDF : 13.8/15

Left Out: -269.875 ± 126.095 χ^2/NDF : 4.8/2

Right Out: -122.210 ± 74.380 χ^2/NDF : 15.5/18

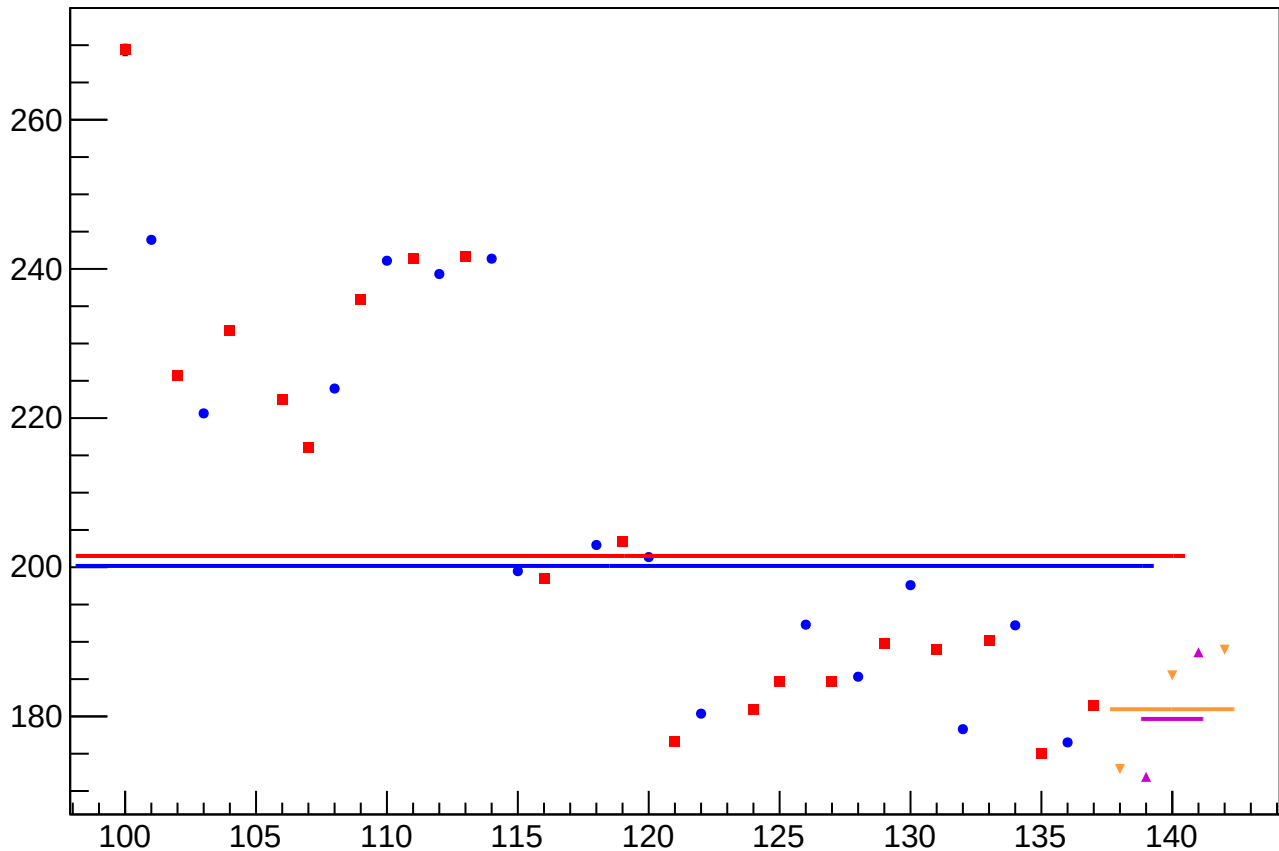
Left In: 63.056 ± 136.725 χ^2/NDF : 0.3/1

+ sign 114.298 ± 64.382 χ^2/NDF : 31.1/18

All: 18.629 ± 45.859 χ^2/NDF : 52.8/39

- sign -79.902 ± 65.338 χ^2/NDF : 17.2/20

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.6/15

Left Out: 180.968 $\pm$ 0.089 χ^2 /NDF: 5928.3/2

Right Out: 201.514 $\pm$ 0.053 χ^2 /NDF: 195431.2/18

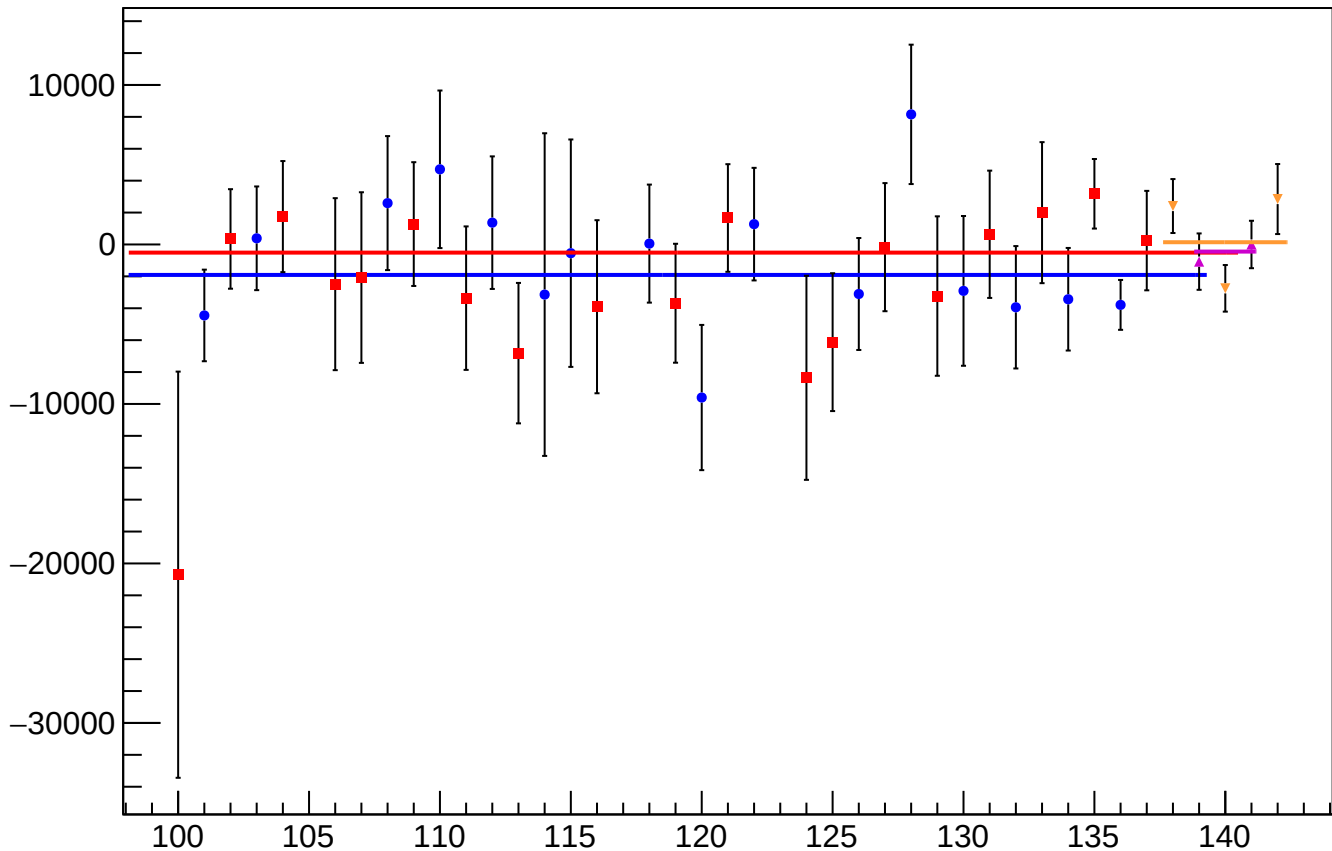
Left In: 179.662 $\pm$ 0.097 χ^2 /NDF: 7424.9/1

+ sign 195.169 $\pm$ 0.046 χ^2 /NDF: 221243.4/18

All: 195.837 $\pm$ 0.032 χ^2 /NDF: 463959.4/39

- sign 196.524 $\pm$ 0.046 χ^2 /NDF: 242279.7/20

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1910.310 ± 859.089 $\chi^2/\text{NDF}: 16.3/15$

Left Out: 140.400 ± 987.371 $\chi^2/\text{NDF}: 7.2/2$

Right Out: -511.276 ± 902.014 $\chi^2/\text{NDF}: 14.2/18$

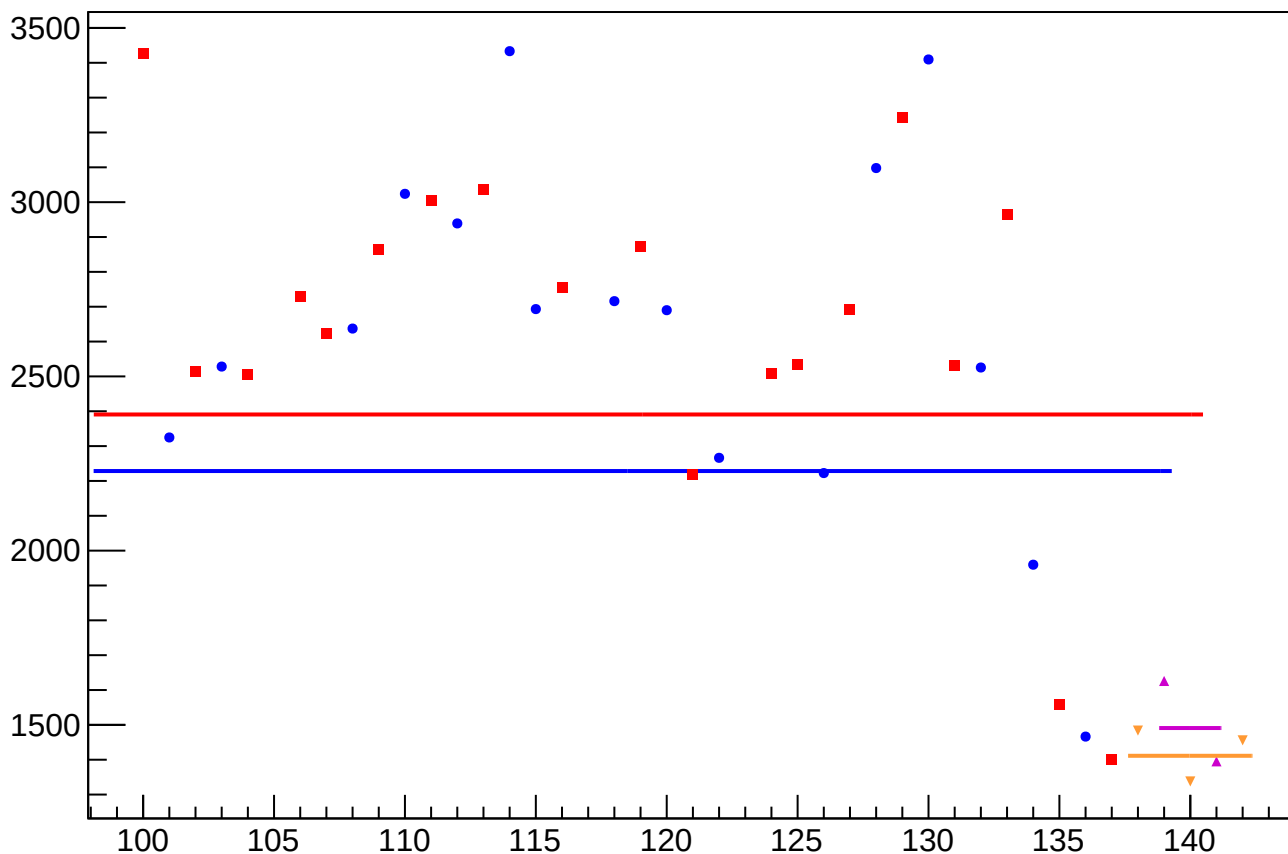
Left In: -446.907 ± 1137.847 $\chi^2/\text{NDF}: 0.2/1$

+ sign -1026.743 ± 648.109 $\chi^2/\text{NDF}: 26.0/18$

All: -779.969 ± 477.702 $\chi^2/\text{NDF}: 40.7/39$

- sign -486.435 ± 706.852 $\chi^2/\text{NDF}: 14.5/20$

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF : 947659.2/15

Left Out: 1411.276+/-0.698 χ^2/NDF : 9553.2/2

Right Out: 2390.731+/-0.638 χ^2/NDF : 790004.4/18

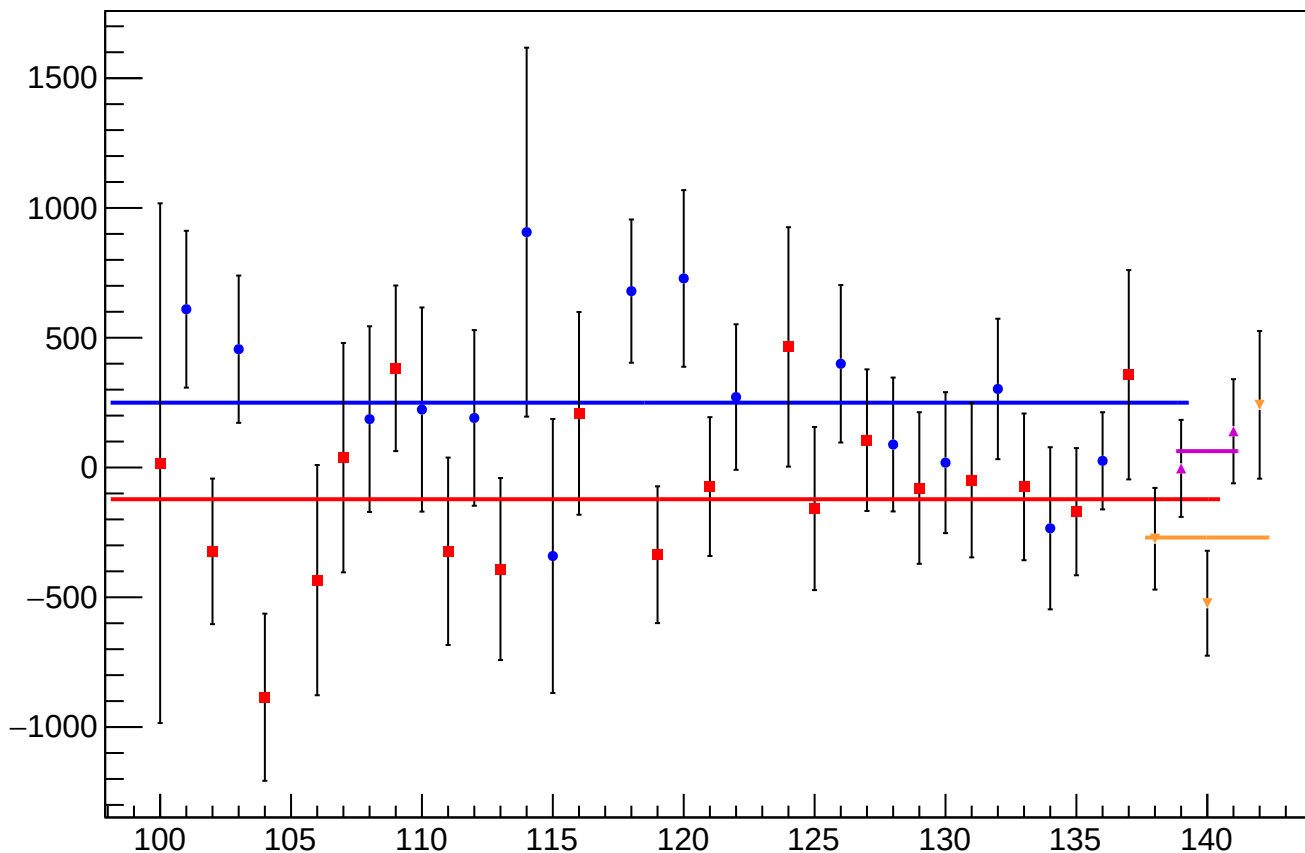
Left In: 1490.924+/-0.805 χ^2/NDF : 19945.9/1

+ sign 1876.354+/-0.458 χ^2/NDF : 1736867.5/18

All: 1952.687+/-0.338 χ^2/NDF : 3375613.4/39

- sign 2043.484+/-0.500 χ^2/NDF : 1578002.6/20

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764 $\pm$ 74.877 χ^2/NDF : 13.8/15

Left Out: -269.875 $\pm$ 126.095 χ^2/NDF : 4.8/2

Right Out: -122.210 $\pm$ 74.380 χ^2/NDF : 15.5/18

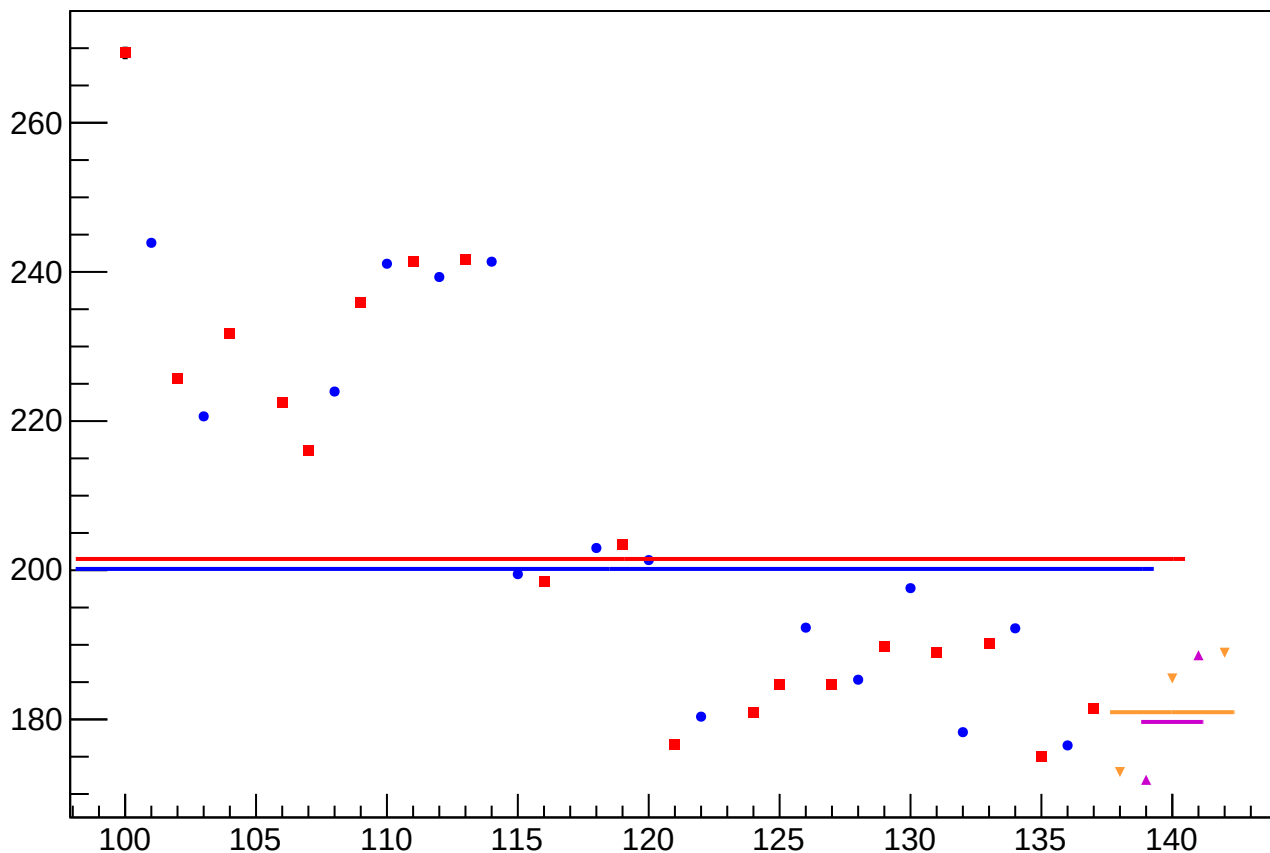
Left In: 63.056 $\pm$ 136.725 χ^2/NDF : 0.3/1

+ sign 114.298 $\pm$ 64.382 χ^2/NDF : 31.1/18

All: 18.629 $\pm$ 45.859 χ^2/NDF : 52.8/39

- sign -79.902 $\pm$ 65.338 χ^2/NDF : 17.2/20

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.6/15

Left Out: 180.968 $\pm$ 0.089 χ^2 /NDF: 5928.3/2

Right Out: 201.514 $\pm$ 0.053 χ^2 /NDF: 195431.2/18

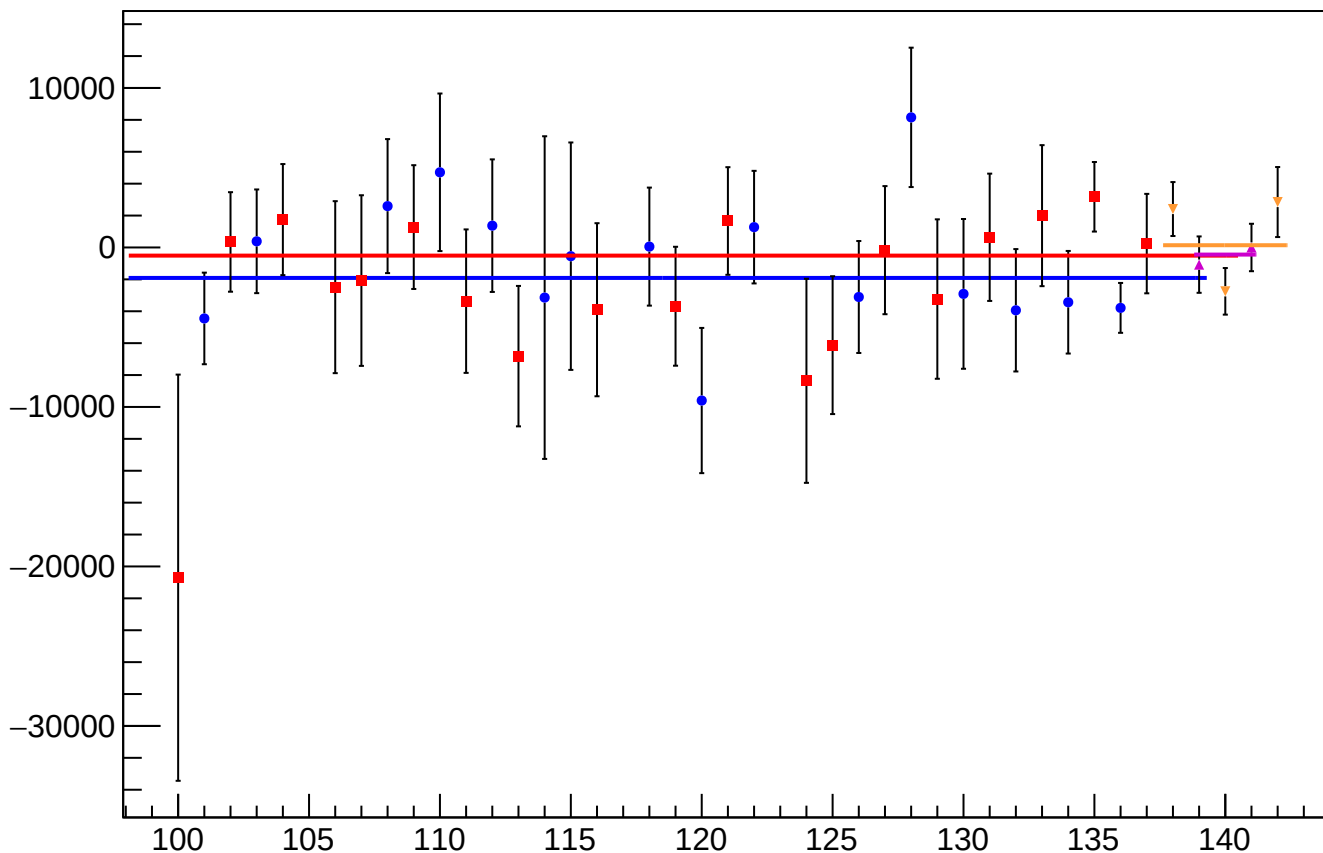
Left In: 179.662 $\pm$ 0.097 χ^2 /NDF: 7424.9/1

+ sign 195.169 $\pm$ 0.046 χ^2 /NDF: 221243.4/18

All: 195.837 $\pm$ 0.032 χ^2 /NDF: 463959.4/39

- sign 196.524 $\pm$ 0.046 χ^2 /NDF: 242279.7/20

asym_sam_26_dd_eigen_cor_correction_mean vs Slug



Right In: -1910.310 ± 859.089 χ^2/NDF : 16.3/15

Left Out: 140.400 ± 987.371 χ^2/NDF : 7.2/2

Right Out: -511.276 ± 902.014 χ^2/NDF : 14.2/18

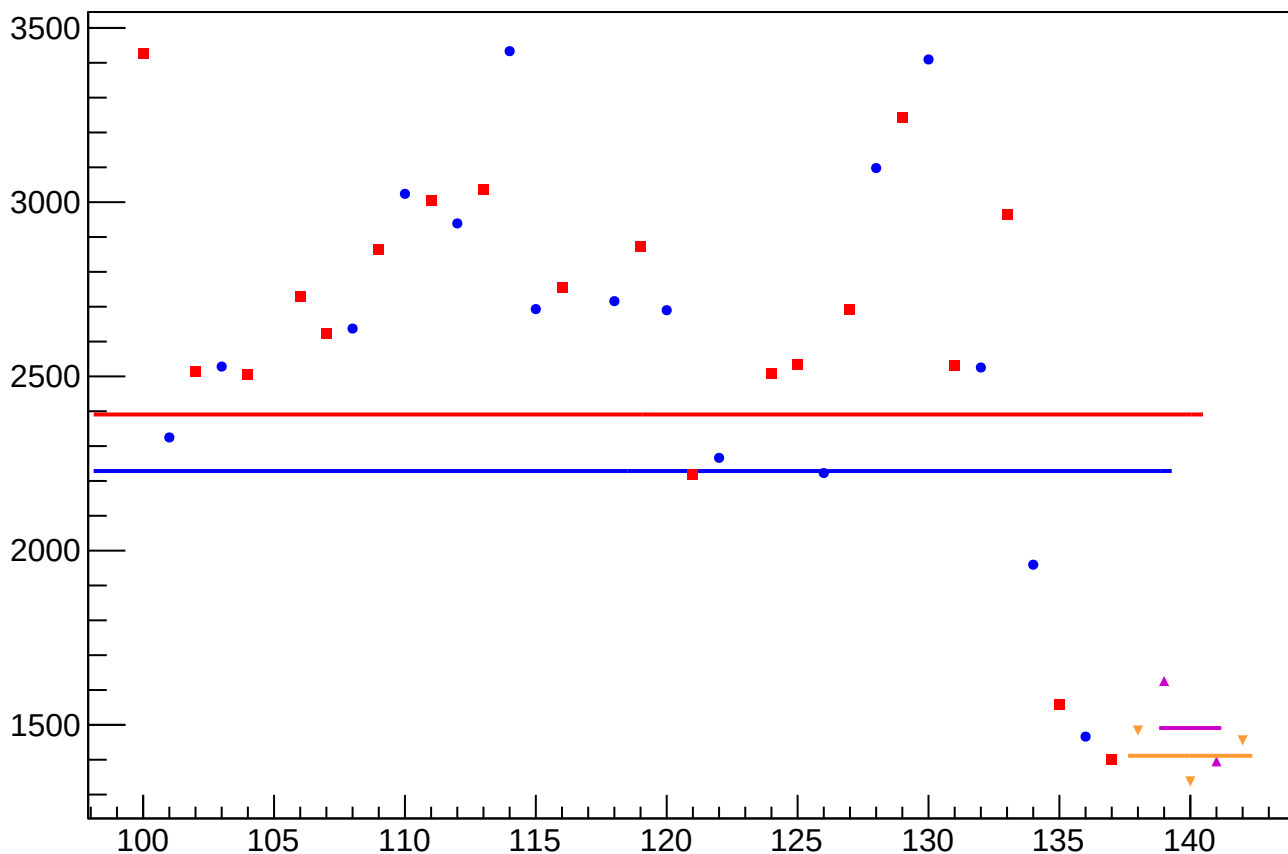
Left In: -446.907 ± 1137.847 χ^2/NDF : 0.2/1

+ sign -1026.743 ± 648.109 χ^2/NDF : 26.0/18

All: -779.969 ± 477.702 χ^2/NDF : 40.7/39

- sign -486.435 ± 706.852 χ^2/NDF : 14.5/20

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435 $\pm$ 0.607 χ^2 /NDF: 947659.2/15

Left Out: 1411.276 $\pm$ 0.698 χ^2 /NDF: 9553.2/2

Right Out: 2390.731 $\pm$ 0.638 χ^2 /NDF: 790004.4/18

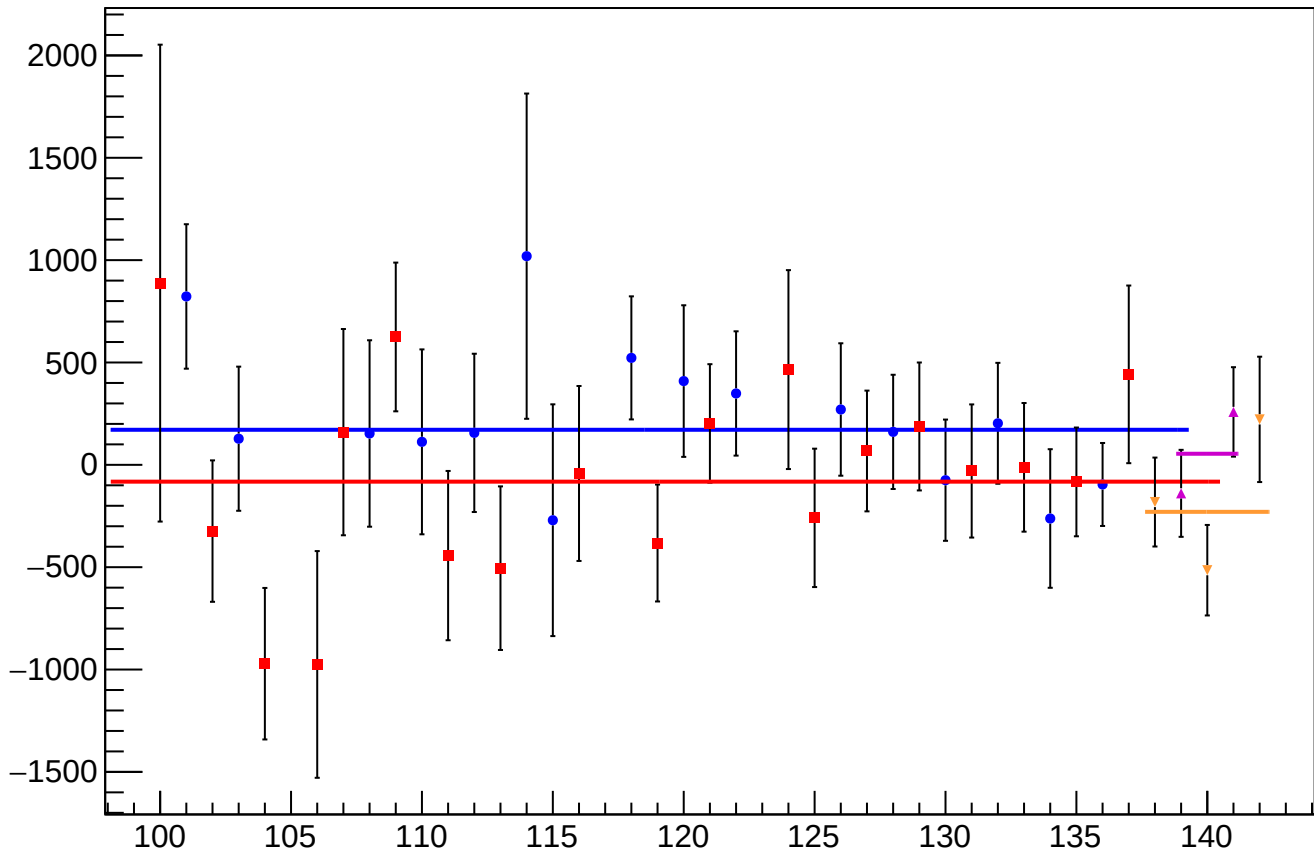
Left In: 1490.924 $\pm$ 0.805 χ^2 /NDF: 19945.9/1

+ sign 1876.354 $\pm$ 0.458 χ^2 /NDF: 1736867.5/18

All: 1952.687 $\pm$ 0.338 χ^2 /NDF: 3375613.4/39

- sign 2043.484 $\pm$ 0.500 χ^2 /NDF: 1578002.6/20

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258 ± 83.116 χ^2/NDF : 11.5/15

Left Out: -229.623 ± 138.255 χ^2/NDF : 3.9/2

Right Out: -82.152 ± 82.545 χ^2/NDF : 21.6/18

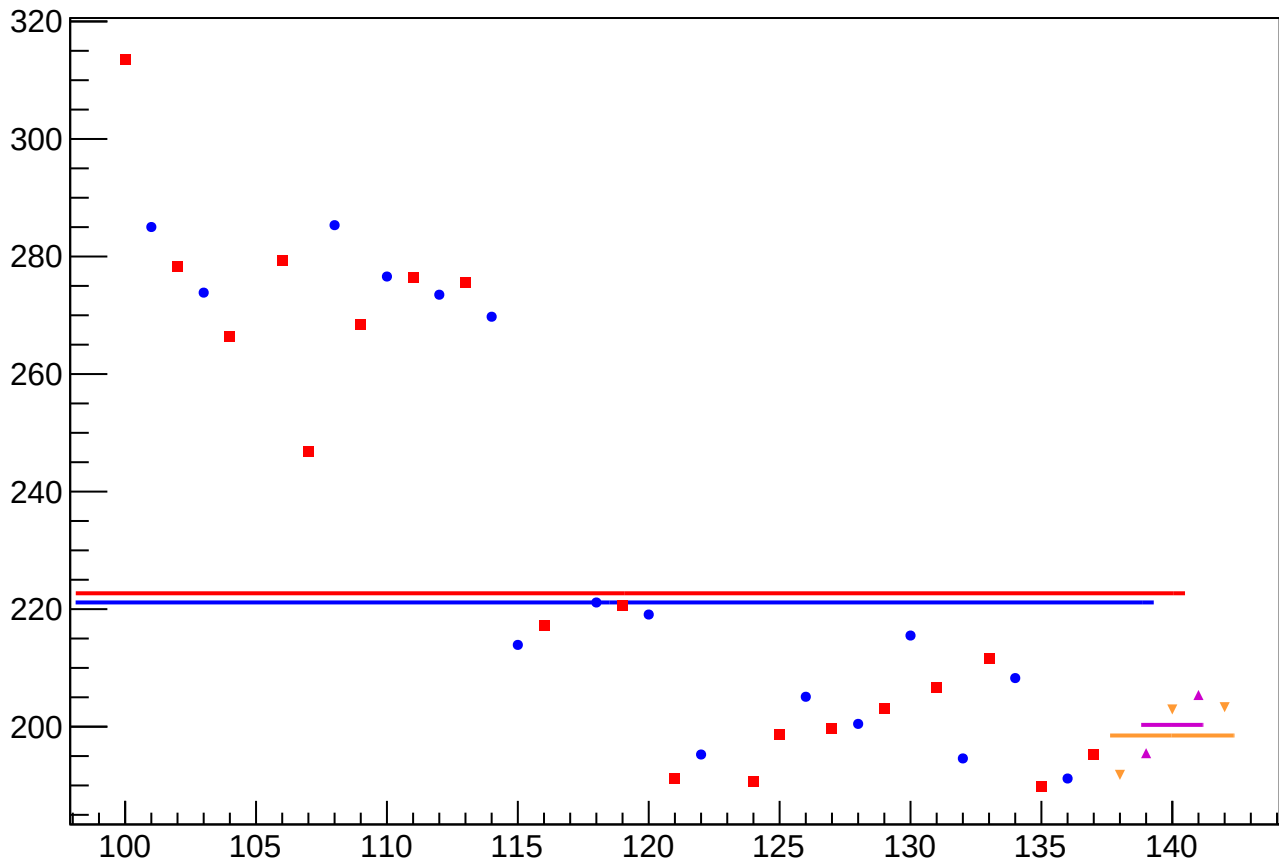
Left In: 54.146 ± 152.316 χ^2/NDF : 1.7/1

+ sign 64.836 ± 71.234 χ^2/NDF : 21.5/18

All: 7.894 ± 50.837 χ^2/NDF : 46.8/39

- sign -51.210 ± 72.573 χ^2/NDF : 23.9/20

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139 $\pm$ 0.059 χ^2 /NDF: 318702.0/15

Left Out: 198.499 $\pm$ 0.098 χ^2 /NDF: 3198.2/2

Right Out: 222.697 $\pm$ 0.058 χ^2 /NDF: 327032.3/18

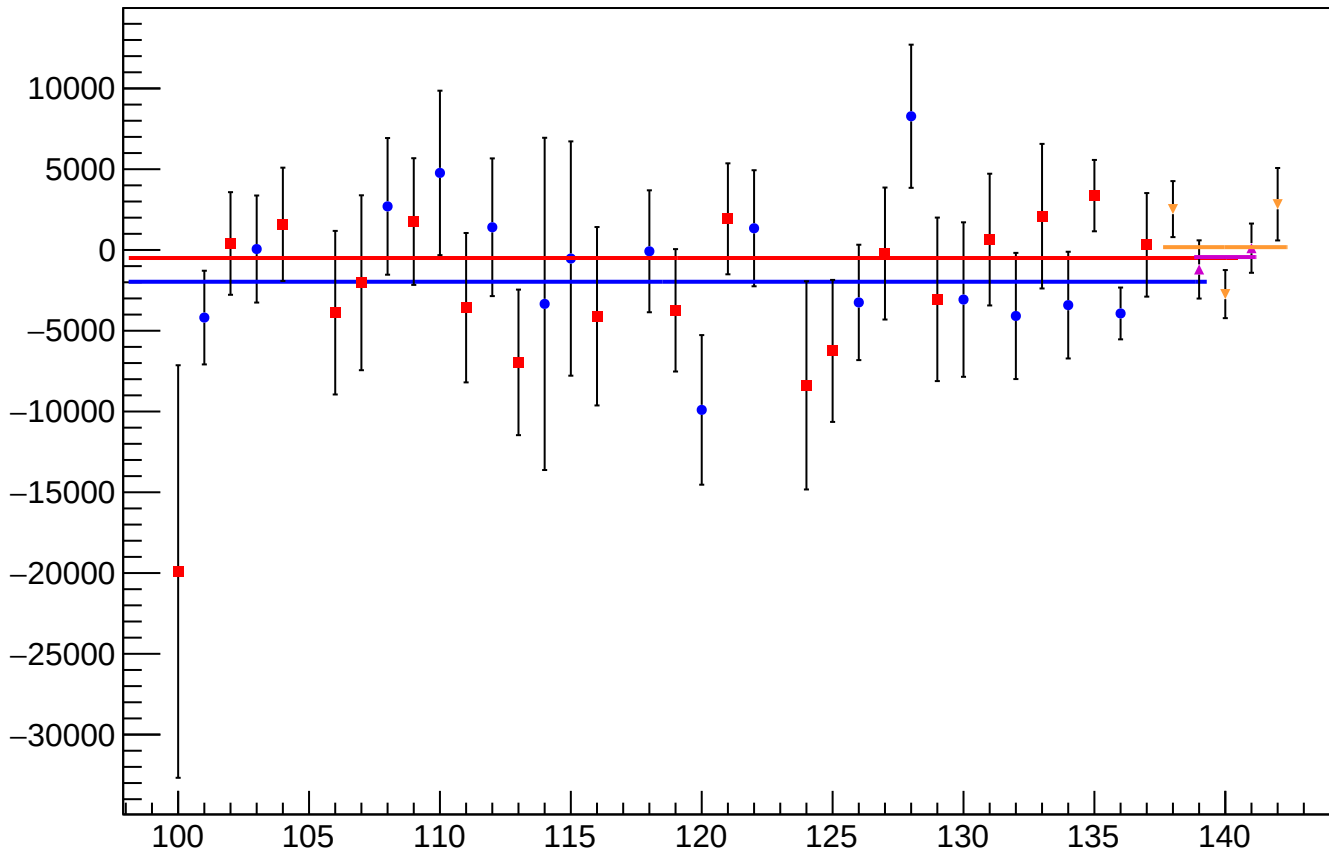
Left In: 200.306 $\pm$ 0.108 χ^2 /NDF: 2110.1/1

+ sign 215.129 $\pm$ 0.050 χ^2 /NDF: 361293.2/18

All: 216.348 $\pm$ 0.036 χ^2 /NDF: 725040.7/39

- sign 217.614 $\pm$ 0.051 χ^2 /NDF: 362553.1/20

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1967.414 ± 876.610 χ^2/NDF : 16.2/15

Left Out: 174.999 ± 1008.729 χ^2/NDF : 7.1/2

Right Out: -497.281 ± 914.759 χ^2/NDF : 14.8/18

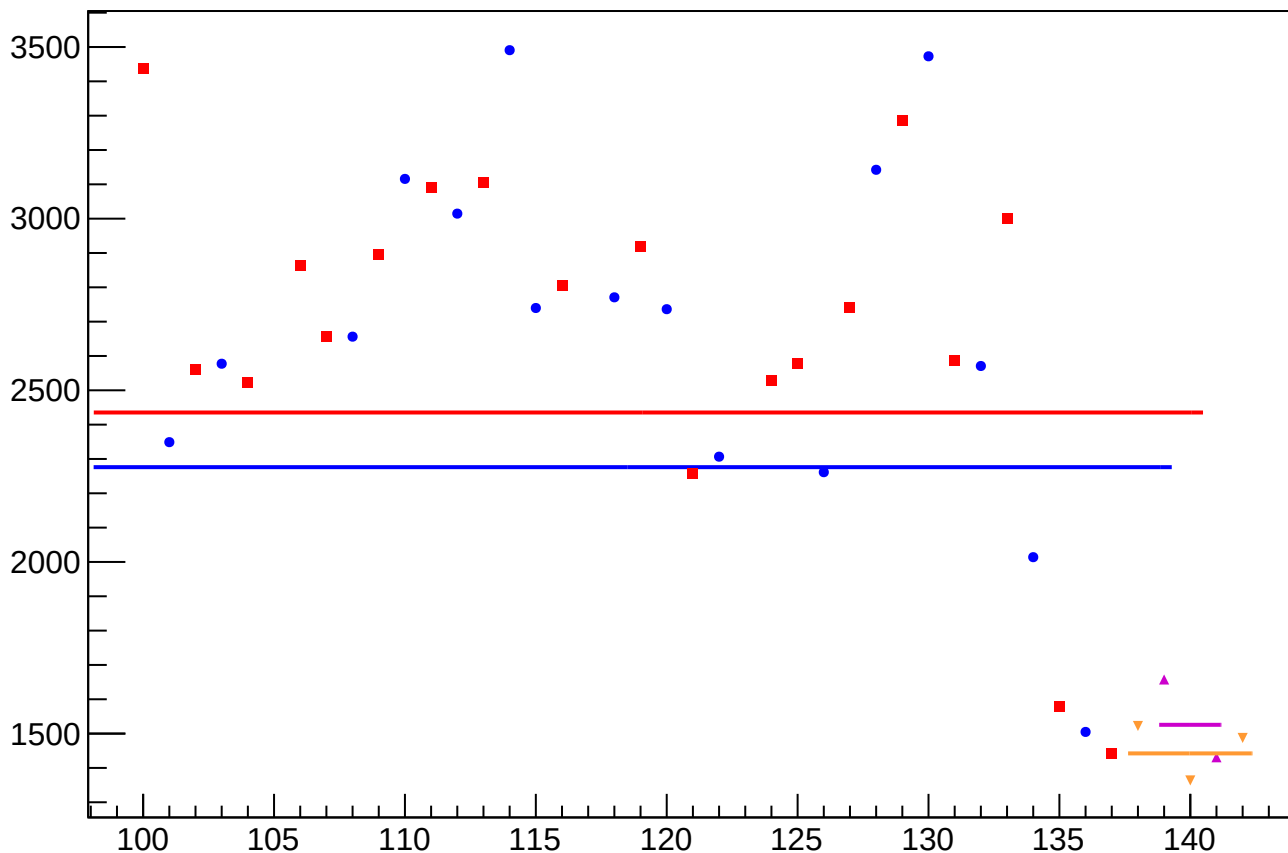
Left In: -437.966 ± 1163.882 χ^2/NDF : 0.3/1

+ sign -1045.609 ± 661.672 χ^2/NDF : 25.8/18

All: -783.869 ± 486.945 χ^2/NDF : 41.2/39

- sign -474.632 ± 719.208 χ^2/NDF : 15.1/20

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF : 926982.8/15

Left Out: 1442.309+/-0.713 χ^2/NDF : 10652.0/2

Right Out: 2435.354+/-0.647 χ^2/NDF : 791515.5/18

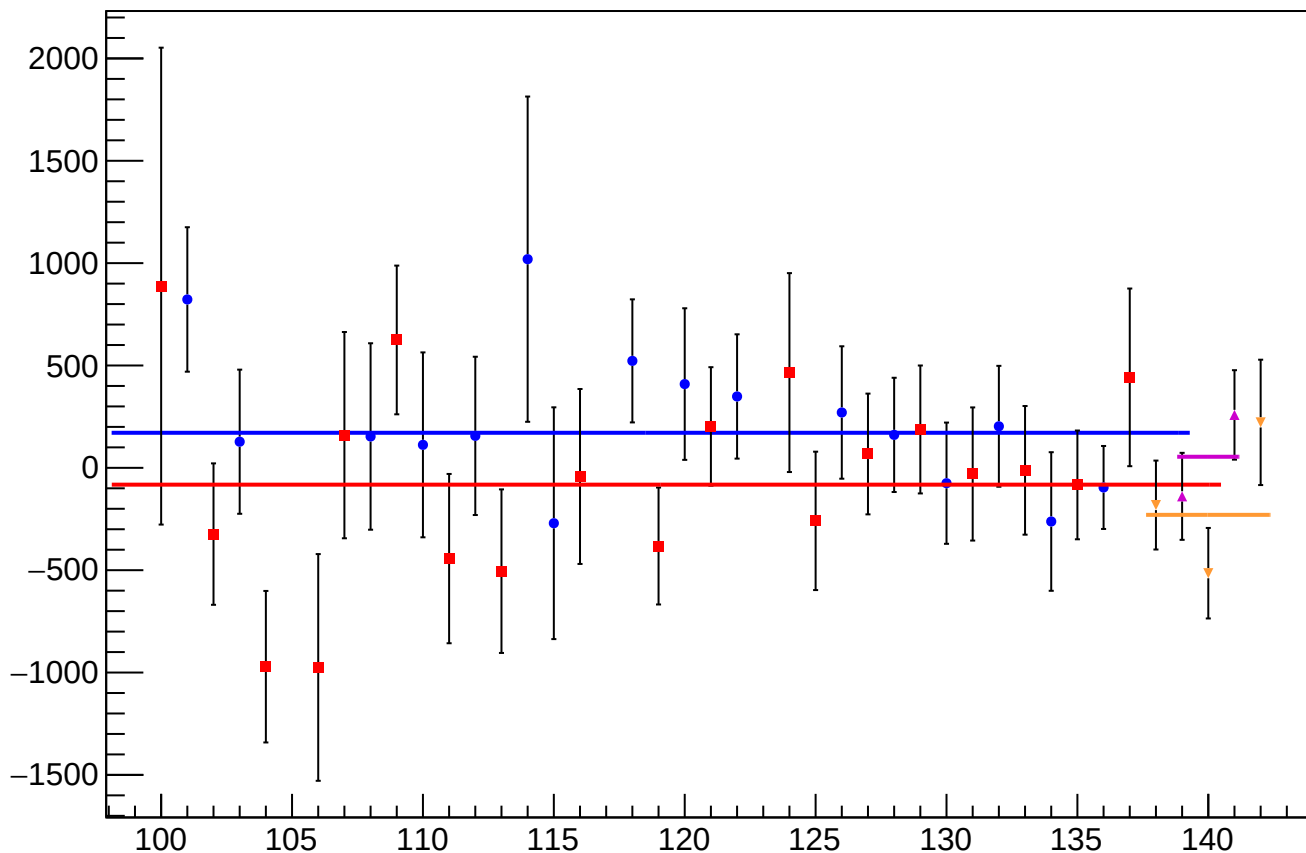
Left In: 1525.594+/-0.823 χ^2/NDF : 18429.3/1

+ sign 1917.368+/-0.468 χ^2/NDF : 1716215.4/18

All: 1995.571+/-0.344 χ^2/NDF : 3342477.4/39

- sign 2087.964+/-0.509 χ^2/NDF : 1565318.1/20

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260 ± 83.115 χ^2/NDF : 11.5/15

Left Out: -229.627 ± 138.255 χ^2/NDF : 3.9/2

Right Out: -82.150 ± 82.545 χ^2/NDF : 21.6/18

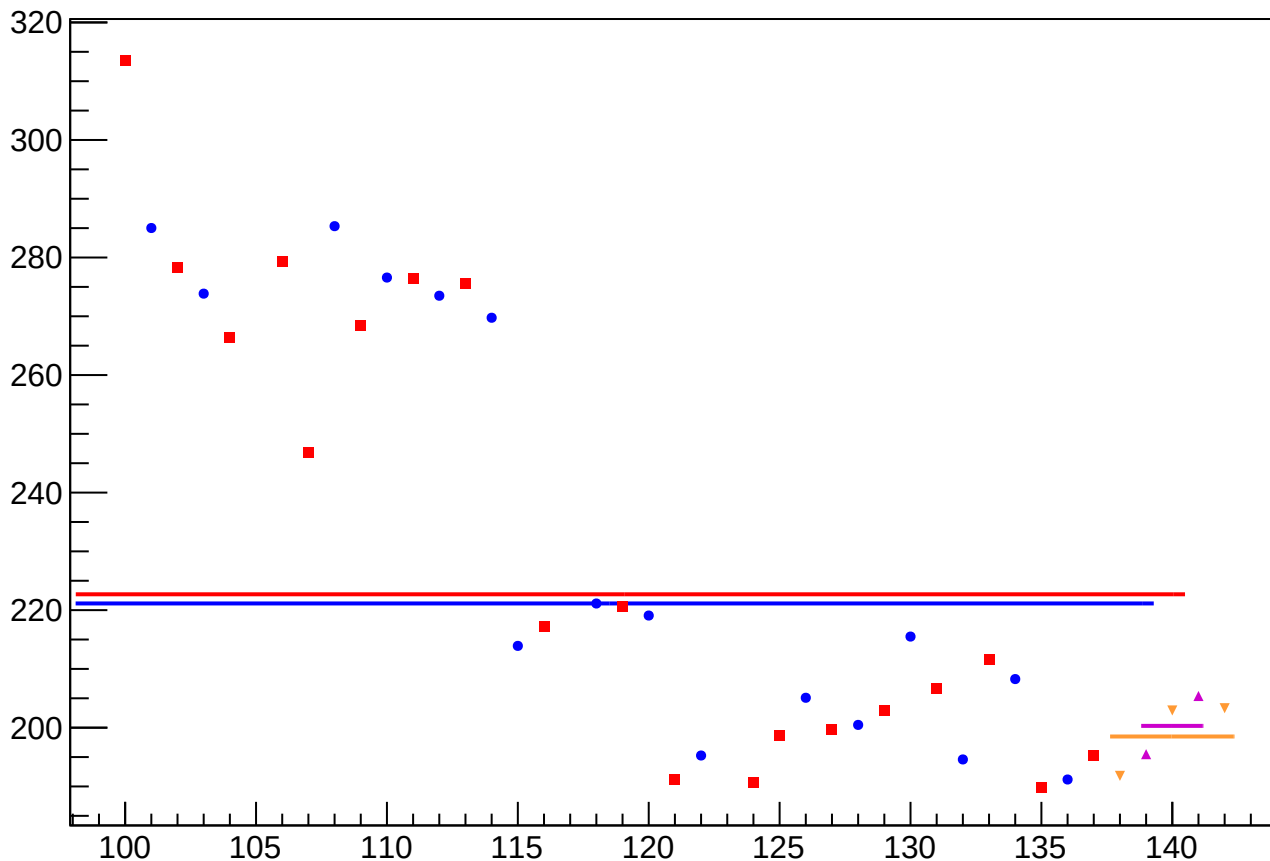
Left In: 54.146 ± 152.316 χ^2/NDF : 1.7/1

+ sign 64.837 ± 71.234 χ^2/NDF : 21.5/18

All: 7.895 ± 50.837 χ^2/NDF : 46.8/39

- sign -51.209 ± 72.573 χ^2/NDF : 23.9/20

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138 $\pm$ 0.059 χ^2/NDF : 318696.9/15

Left Out: 198.499 $\pm$ 0.098 χ^2/NDF : 3198.4/2

Right Out: 222.696 $\pm$ 0.058 χ^2/NDF : 327025.2/18

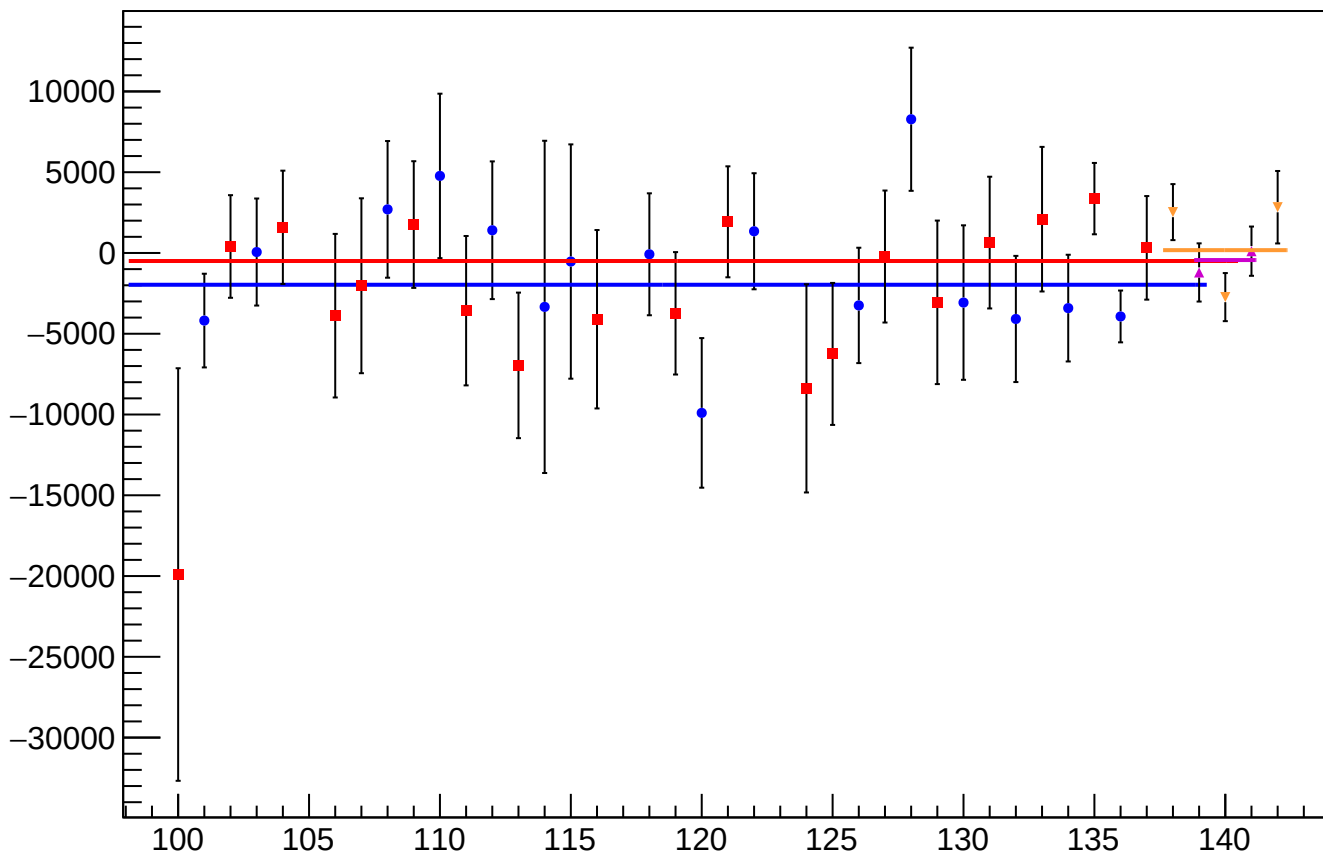
Left In: 200.305 $\pm$ 0.108 χ^2/NDF : 2110.3/1

+ sign 215.128 $\pm$ 0.050 χ^2/NDF : 361285.1/18

All: 216.347 $\pm$ 0.036 χ^2/NDF : 725024.3/39

- sign 217.613 $\pm$ 0.051 χ^2/NDF : 362544.7/20

asym_sam_26_dd_eigen_dit_correction_mean vs Slug



Right In: -1967.409 ± 876.608 $\chi^2/\text{NDF}: 16.2/15$

Left Out: 174.996 ± 1008.729 $\chi^2/\text{NDF}: 7.1/2$

Right Out: -497.282 ± 914.757 $\chi^2/\text{NDF}: 14.8/18$

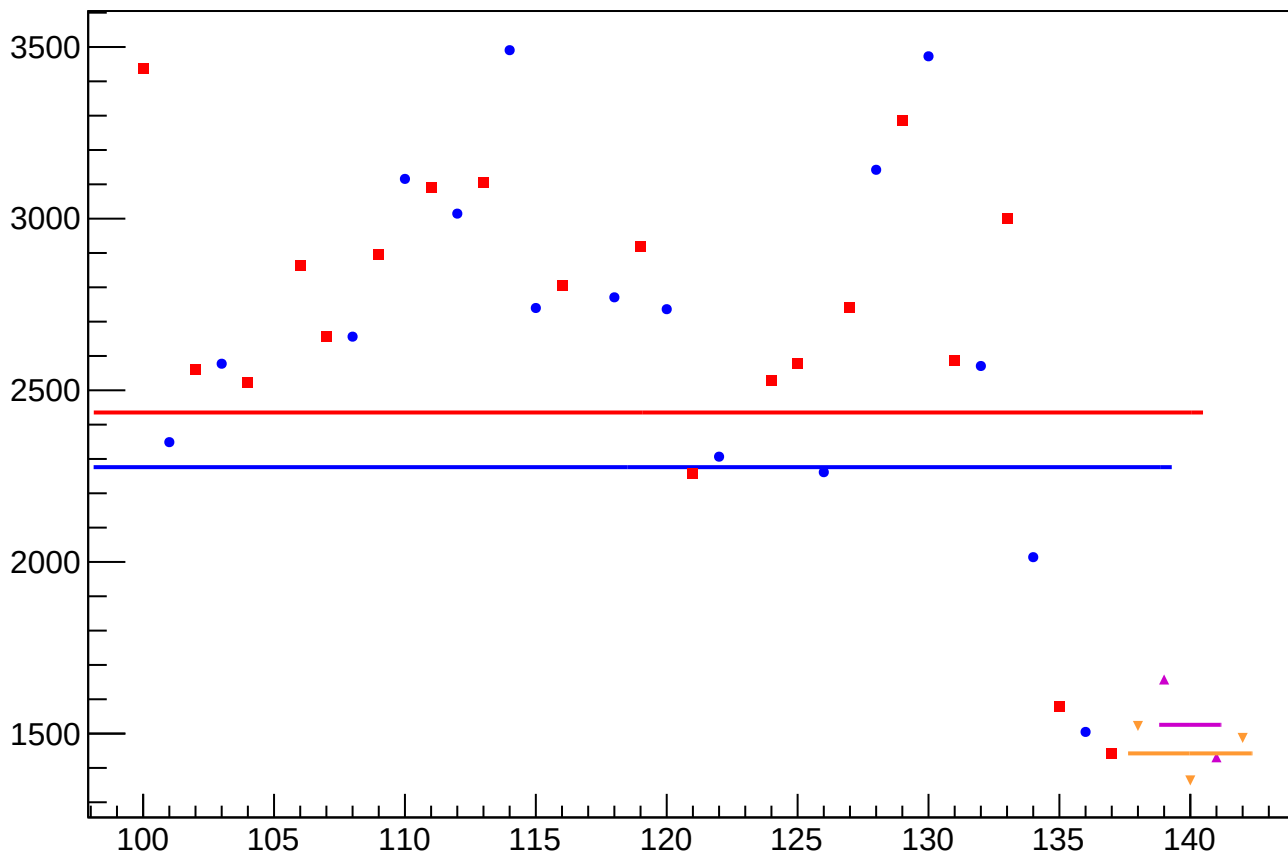
Left In: -437.967 ± 1163.881 $\chi^2/\text{NDF}: 0.3/1$

+ sign -1045.609 ± 661.671 $\chi^2/\text{NDF}: 25.8/18$

All: -783.870 ± 486.944 $\chi^2/\text{NDF}: 41.2/39$

- sign -474.633 ± 719.206 $\chi^2/\text{NDF}: 15.1/20$

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF : 926973.2/15

Left Out: 1442.309+/-0.713 χ^2/NDF : 10651.9/2

Right Out: 2435.351+/-0.647 χ^2/NDF : 791509.5/18

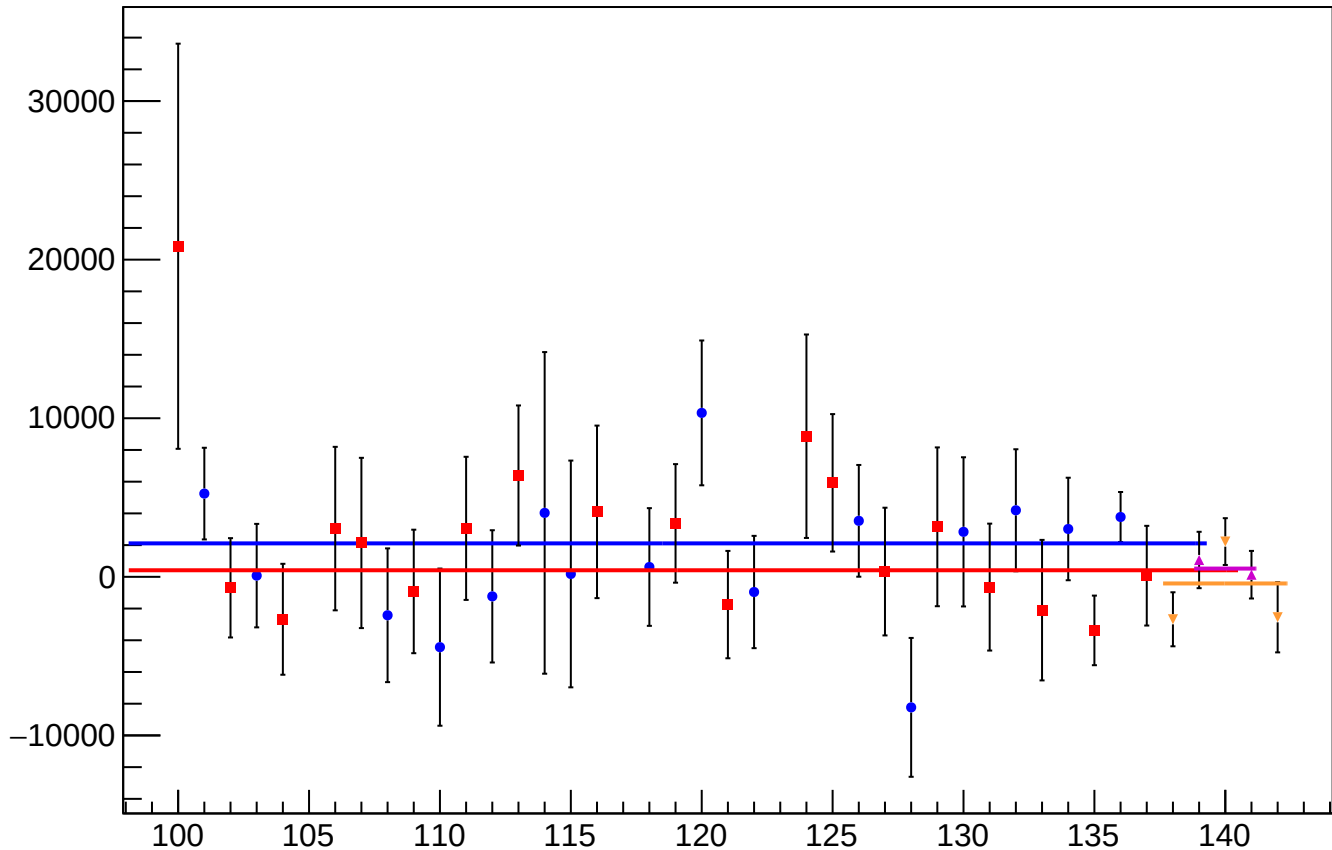
Left In: 1525.592+/-0.823 χ^2/NDF : 18428.8/1

+ sign 1917.367+/-0.468 χ^2/NDF : 1716202.8/18

All: 1995.569+/-0.344 χ^2/NDF : 3342455.7/39

- sign 2087.962+/-0.509 χ^2/NDF : 1565309.7/20

asym_sam_26_dd_mean vs Slug



Right In: 2109.537 $\pm$ 863.291 χ^2 /NDF: 16.6/15

Left Out: -418.147 $\pm$ 995.822 χ^2 /NDF: 5.9/2

Right Out: 414.095 $\pm$ 904.414 χ^2 /NDF: 14.7/18

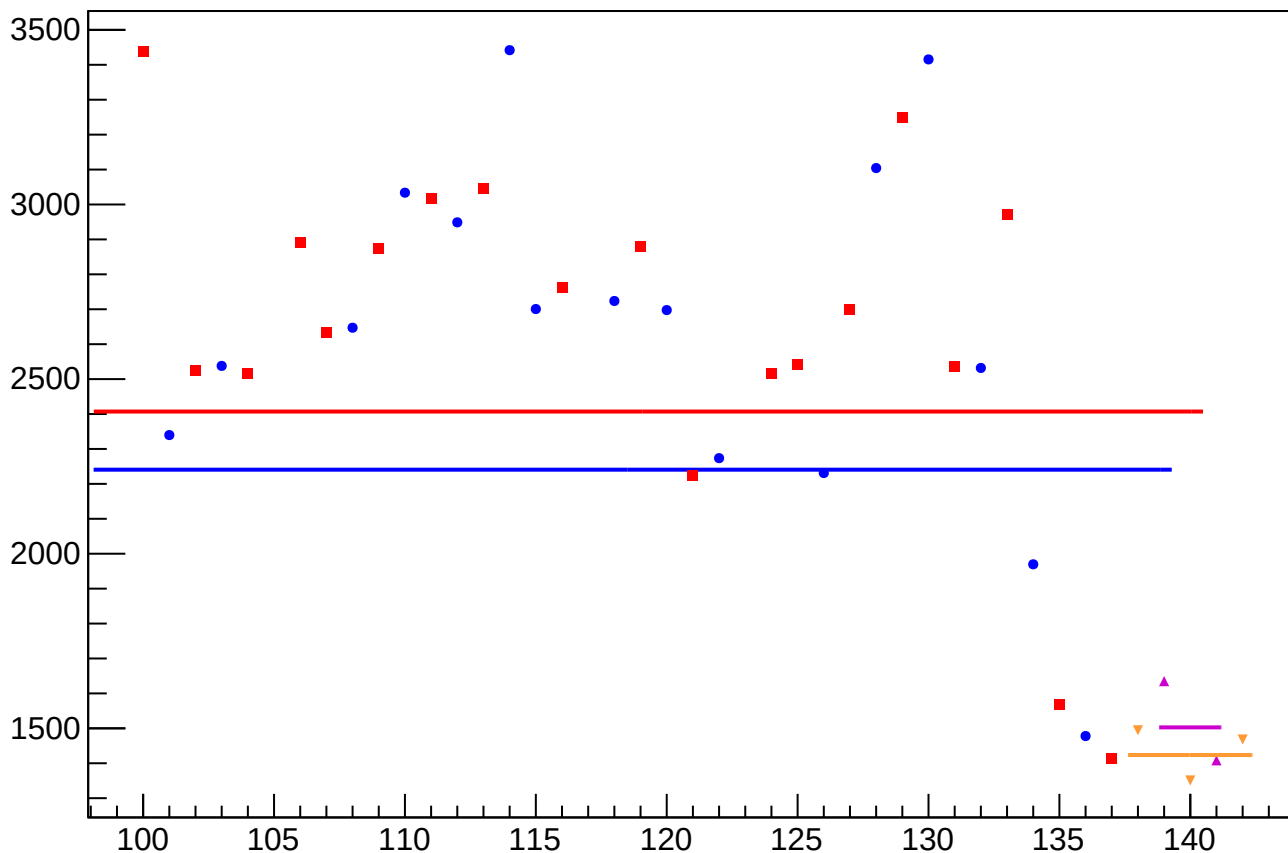
Left In: 520.206 $\pm$ 1146.641 χ^2 /NDF: 0.2/1

+ sign 1024.976 $\pm$ 652.300 χ^2 /NDF: 26.2/18

All: 764.033 $\pm$ 480.385 χ^2 /NDF: 41.4/39

- sign 454.791 $\pm$ 710.108 χ^2 /NDF: 14.8/20

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF : 933590.8/15

Left Out: 1423.597+/-0.704 χ^2/NDF : 9127.0/2

Right Out: 2407.124+/-0.640 χ^2/NDF : 788976.1/18

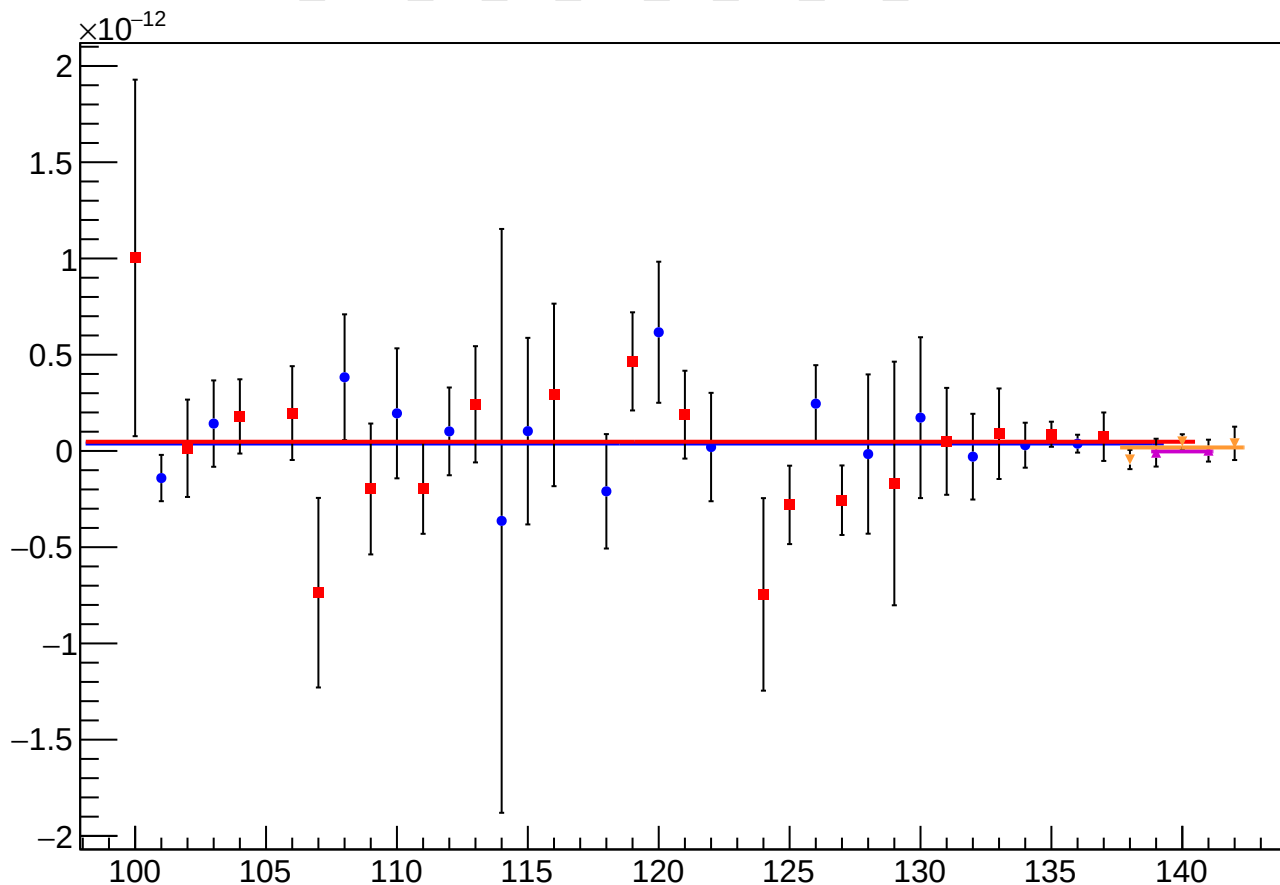
Left In: 1502.719+/-0.811 χ^2/NDF : 19000.6/1

+ sign 1890.061+/-0.461 χ^2/NDF : 1711356.5/18

All: 1967.952+/-0.340 χ^2/NDF : 3348684.8/39

- sign 2060.261+/-0.502 χ^2/NDF : 1575014.3/20

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: 2.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

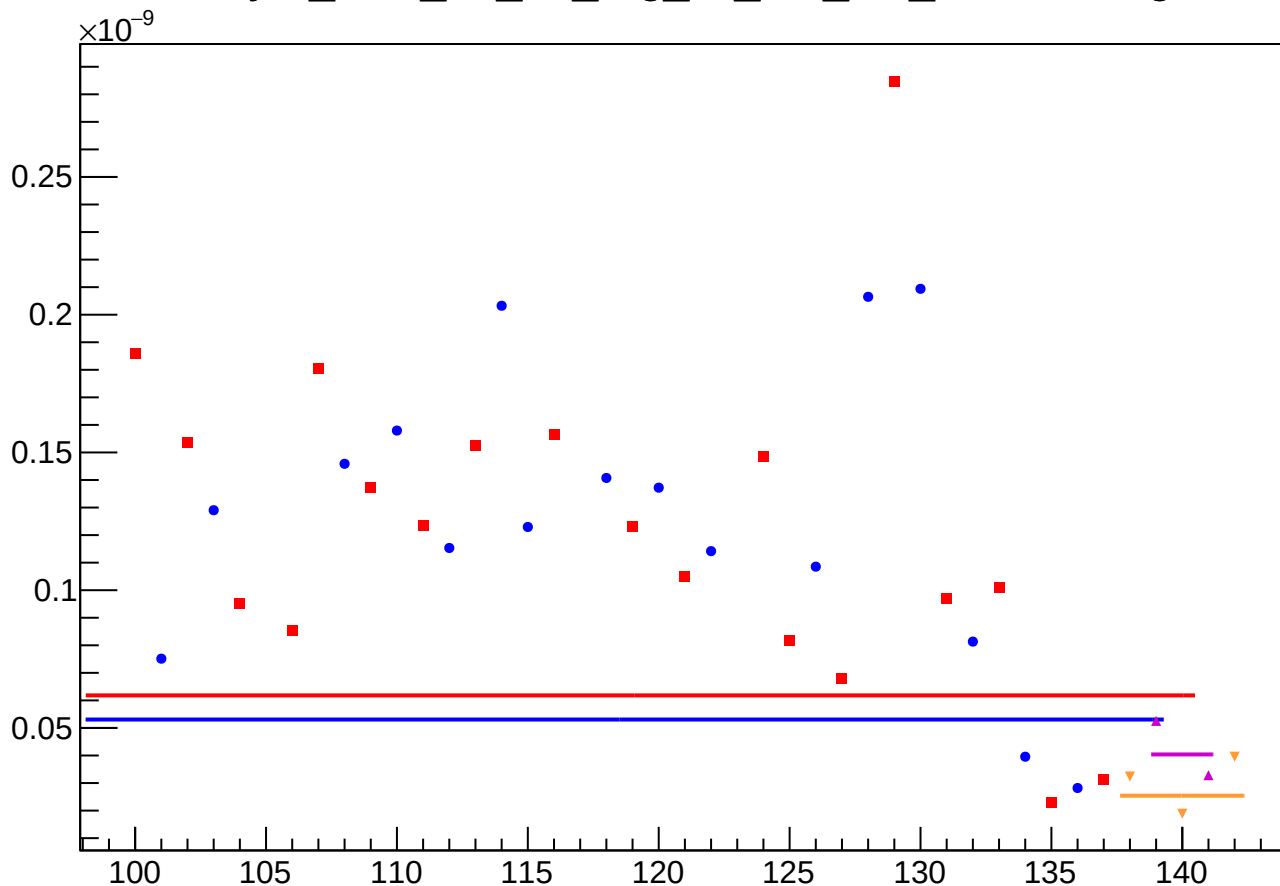
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10.9/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.8/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/20

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 :153039.5/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2416437.9/18

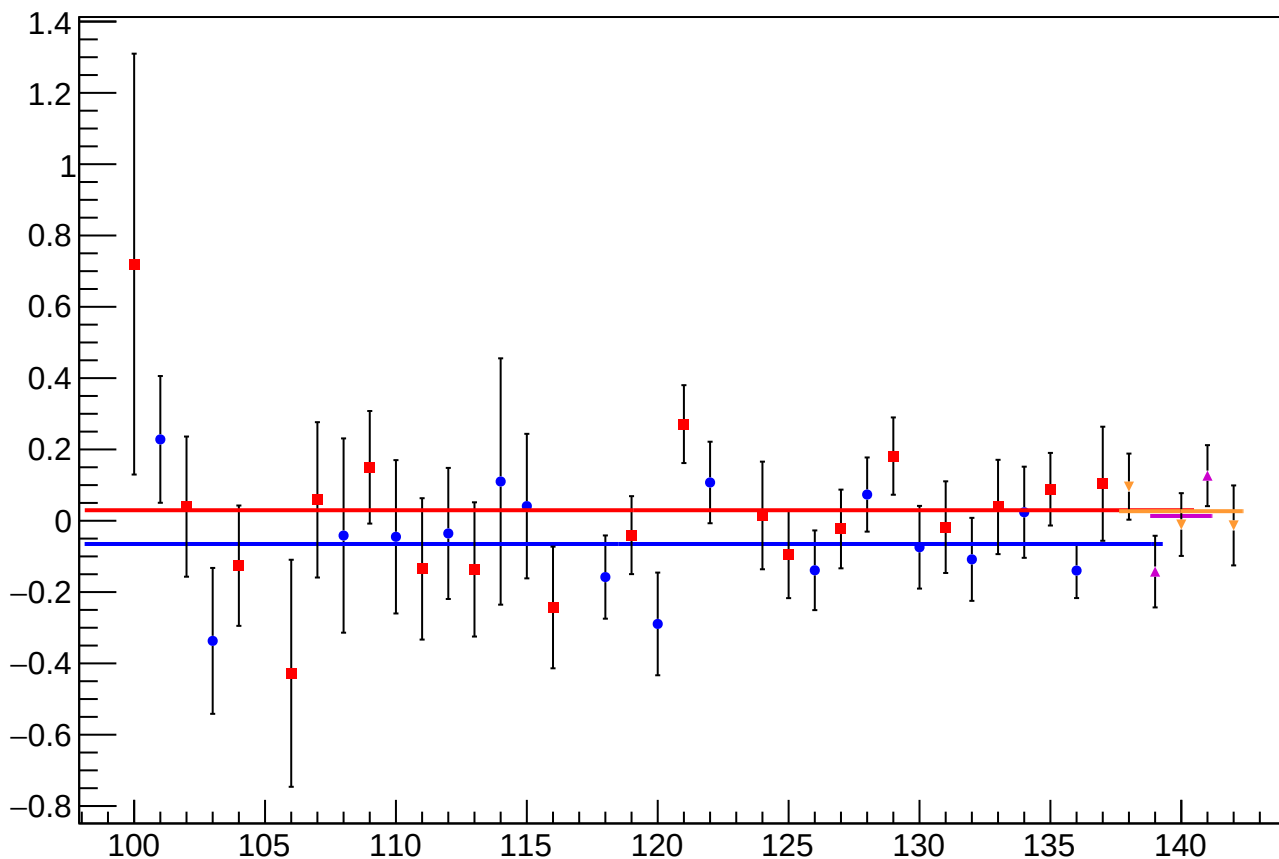
Left In: 0.000+/-0.000 χ^2/NDF :91801.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 3449107.0/18

All: 0.000+/-0.000 χ^2/NDF : 6525014.3/39

- sign 0.000+/-0.000 χ^2/NDF : 2745323.4/20

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: 0.027 ± 0.055 χ^2/NDF : 0.9/2

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

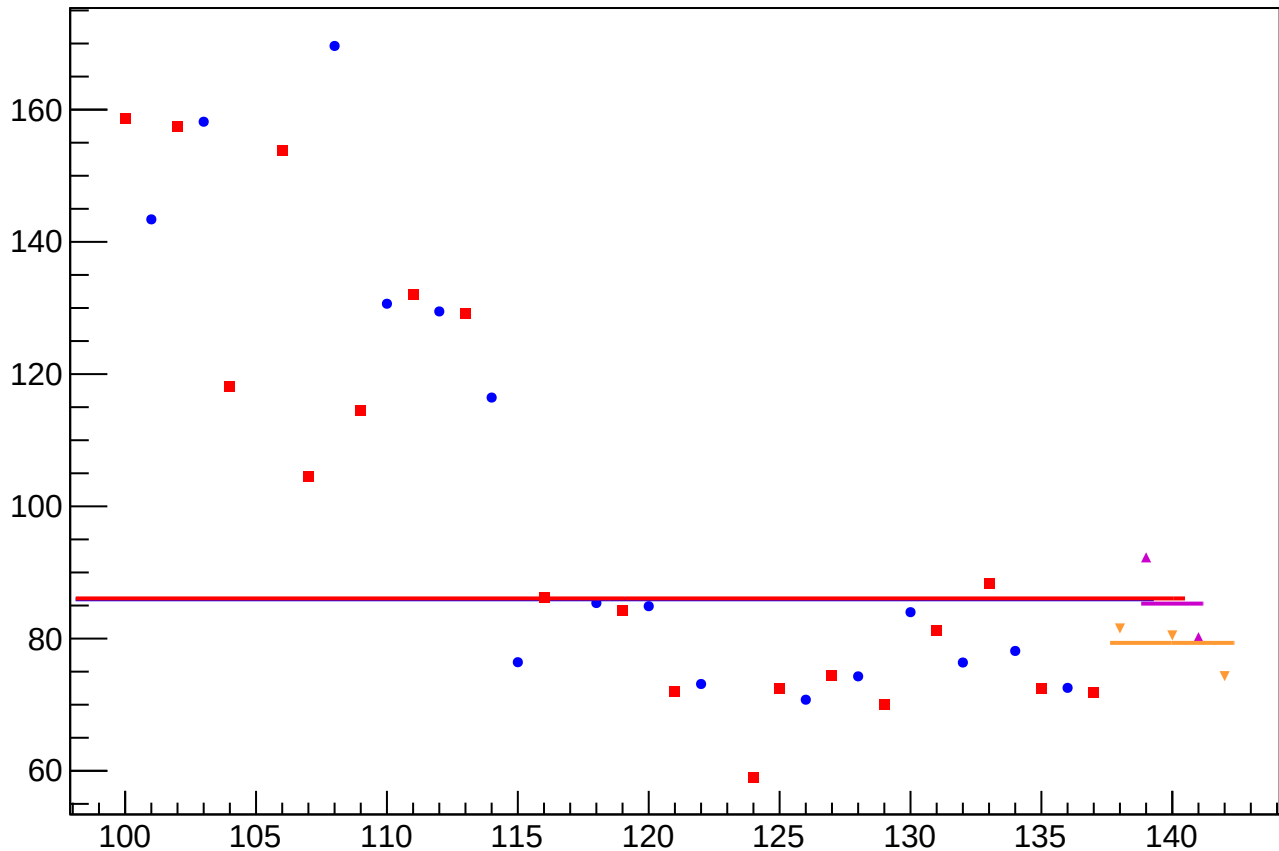
Left In: 0.013 ± 0.065 χ^2/NDF : 4.2/1

+ sign -0.041 ± 0.029 χ^2/NDF : 17.1/18

All: -0.008 ± 0.020 χ^2/NDF : 42.0/39

- sign 0.026 ± 0.029 χ^2/NDF : 22.3/20

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946 $\pm$ 0.024 χ^2 /NDF: 1035004.5/15

Left Out: 79.351 $\pm$ 0.039 χ^2 /NDF: 5472.0/2

Right Out: 86.073 $\pm$ 0.023 χ^2 /NDF: 991371.4/18

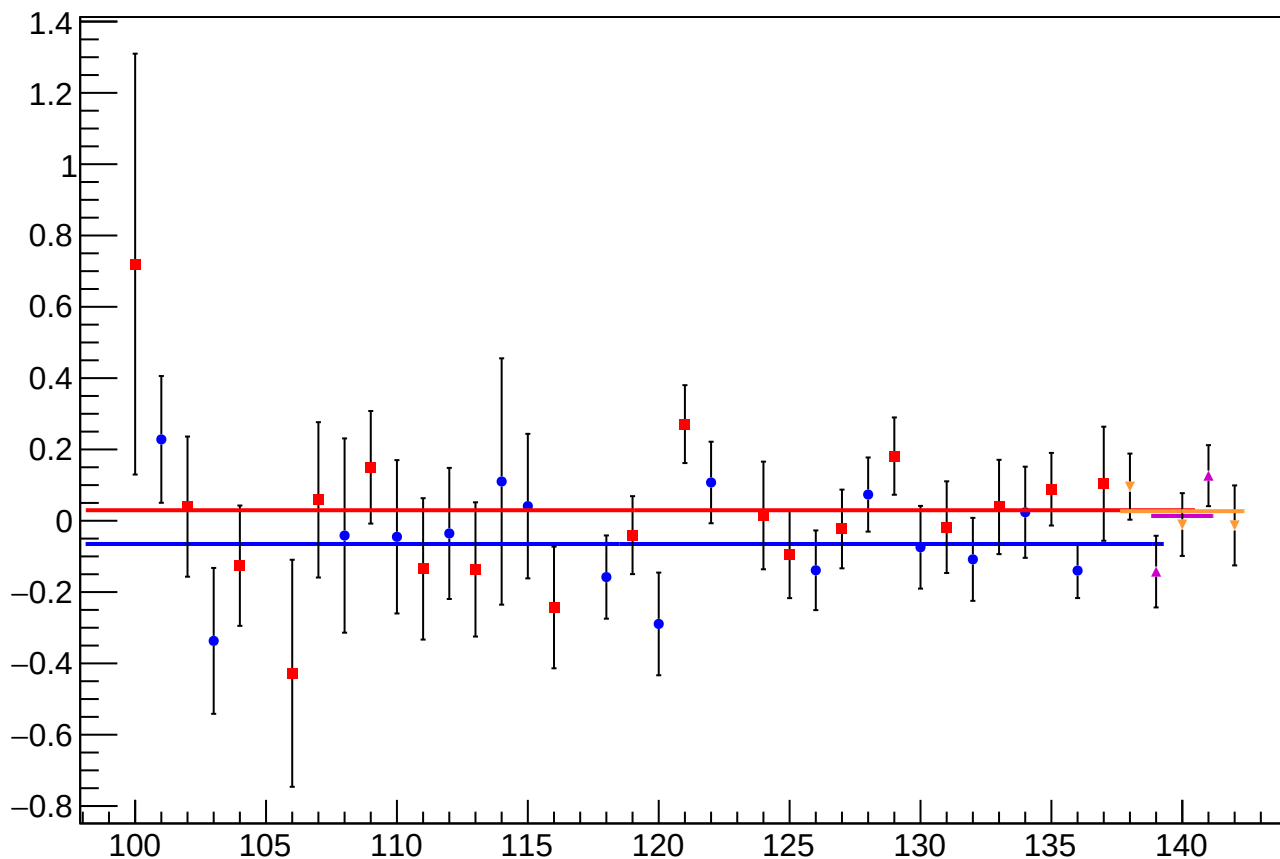
Left In: 85.290 $\pm$ 0.046 χ^2 /NDF: 16726.1/1

+ sign 84.198 $\pm$ 0.020 χ^2 /NDF: 1061257.6/18

All: 85.030 $\pm$ 0.014 χ^2 /NDF: 2073087.8/39

- sign 85.913 $\pm$ 0.021 χ^2 /NDF: 1008327.5/20

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: 0.027 ± 0.055 χ^2/NDF : 0.9/2

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

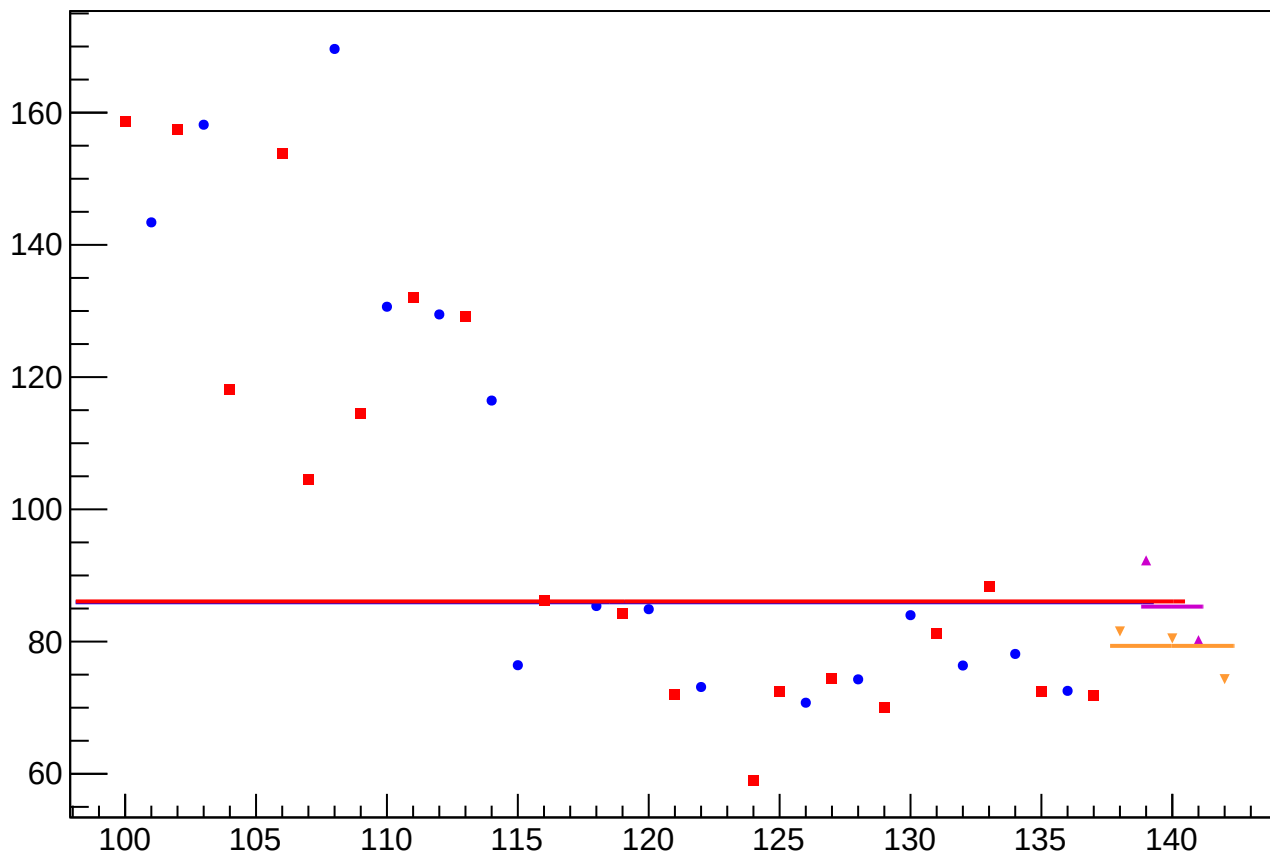
Left In: 0.013 ± 0.065 χ^2/NDF : 4.2/1

+ sign -0.041 ± 0.029 χ^2/NDF : 17.1/18

All: -0.008 ± 0.020 χ^2/NDF : 42.0/39

- sign 0.026 ± 0.029 χ^2/NDF : 22.3/20

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: 79.351 $\pm$ 0.039 χ^2 /NDF: 5472.0/2

Right Out: 86.073 $\pm$ 0.023 χ^2 /NDF: 991371.4/18

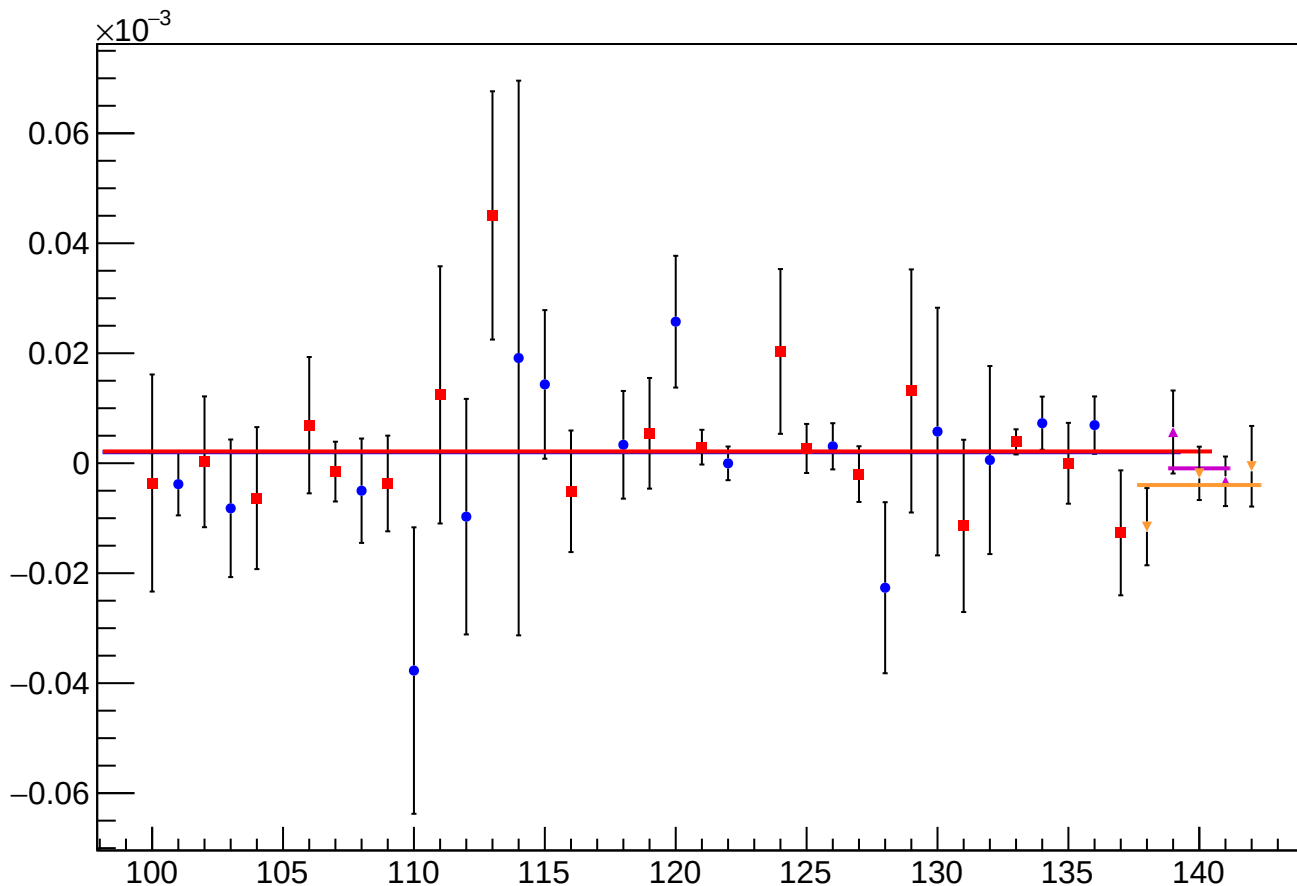
Left In: 85.290 $\pm$ 0.046 χ^2 /NDF: 16726.1/1

+ sign 84.198 $\pm$ 0.020 χ^2 /NDF: 1061257.6/18

All: 85.030 $\pm$ 0.014 χ^2 /NDF: 2073087.8/39

- sign 85.913 $\pm$ 0.021 χ^2 /NDF: 1008327.5/20

asym_sam_26_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: 1.6/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.5/18

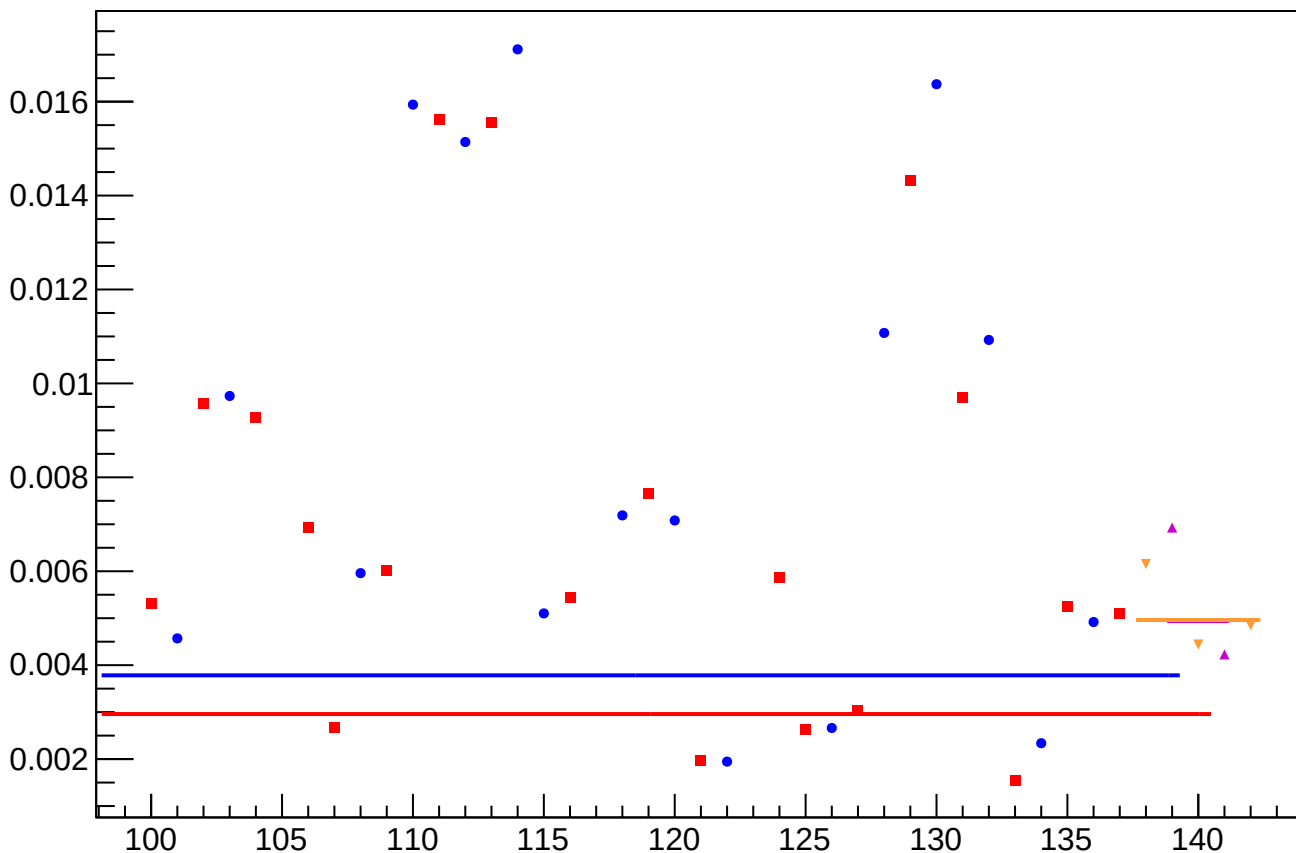
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.1/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/20

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF :81410.3/2

Right Out: 0.003+/-0.000 χ^2/NDF : 5548113.4/18

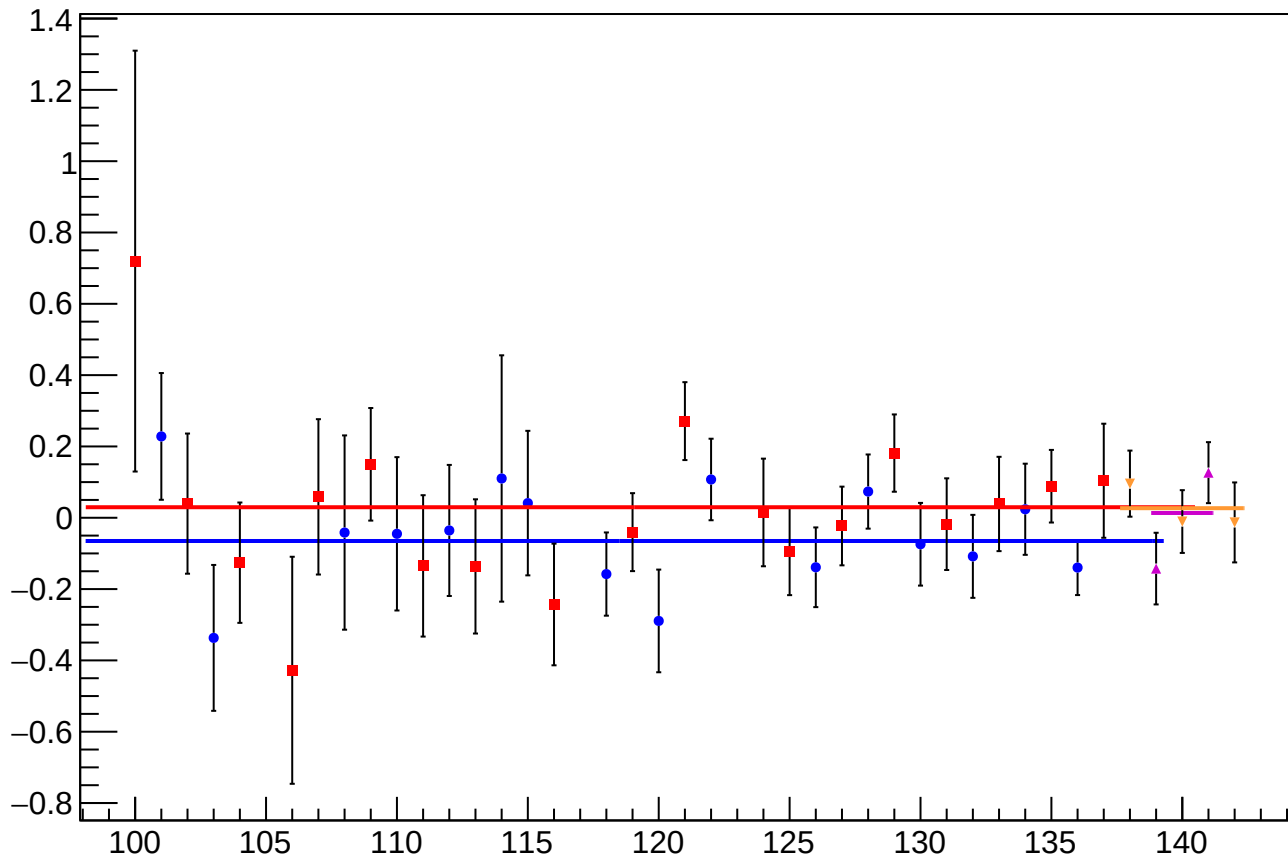
Left In: 0.005+/-0.000 χ^2/NDF :189045.8/1

+ sign 0.004+/-0.000 χ^2/NDF : 4956741.2/18

All: 0.004+/-0.000 χ^2/NDF : 11485255.4/39

- sign 0.003+/-0.000 χ^2/NDF : 6200116.7/20

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: 0.027 ± 0.055 χ^2/NDF : 0.9/2

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

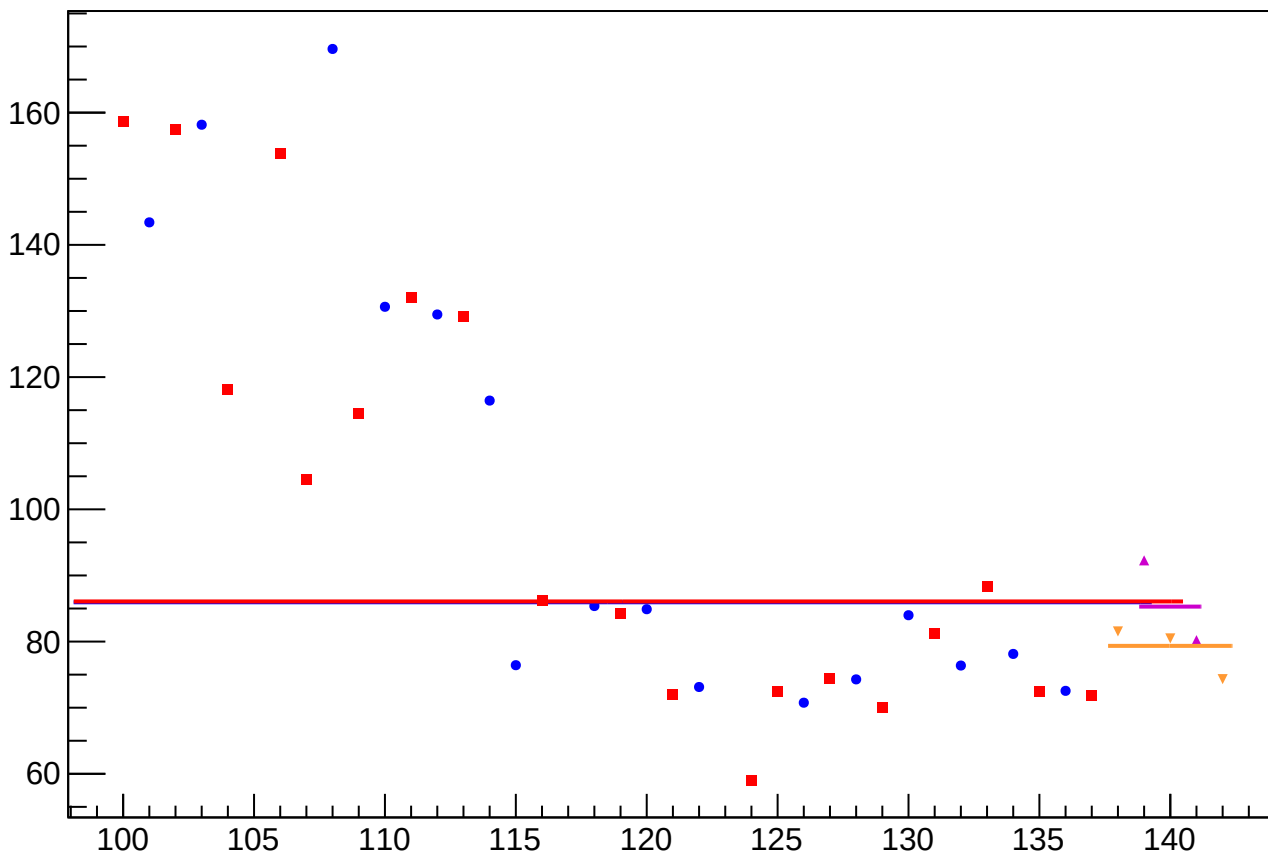
Left In: 0.013 ± 0.065 χ^2/NDF : 4.2/1

+ sign -0.041 ± 0.029 χ^2/NDF : 17.1/18

All: -0.008 ± 0.020 χ^2/NDF : 42.0/39

- sign 0.026 ± 0.029 χ^2/NDF : 22.3/20

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: 79.350 $\pm$ 0.039 χ^2 /NDF: 5469.9/2

Right Out: 86.070 $\pm$ 0.023 χ^2 /NDF: 991365.2/18

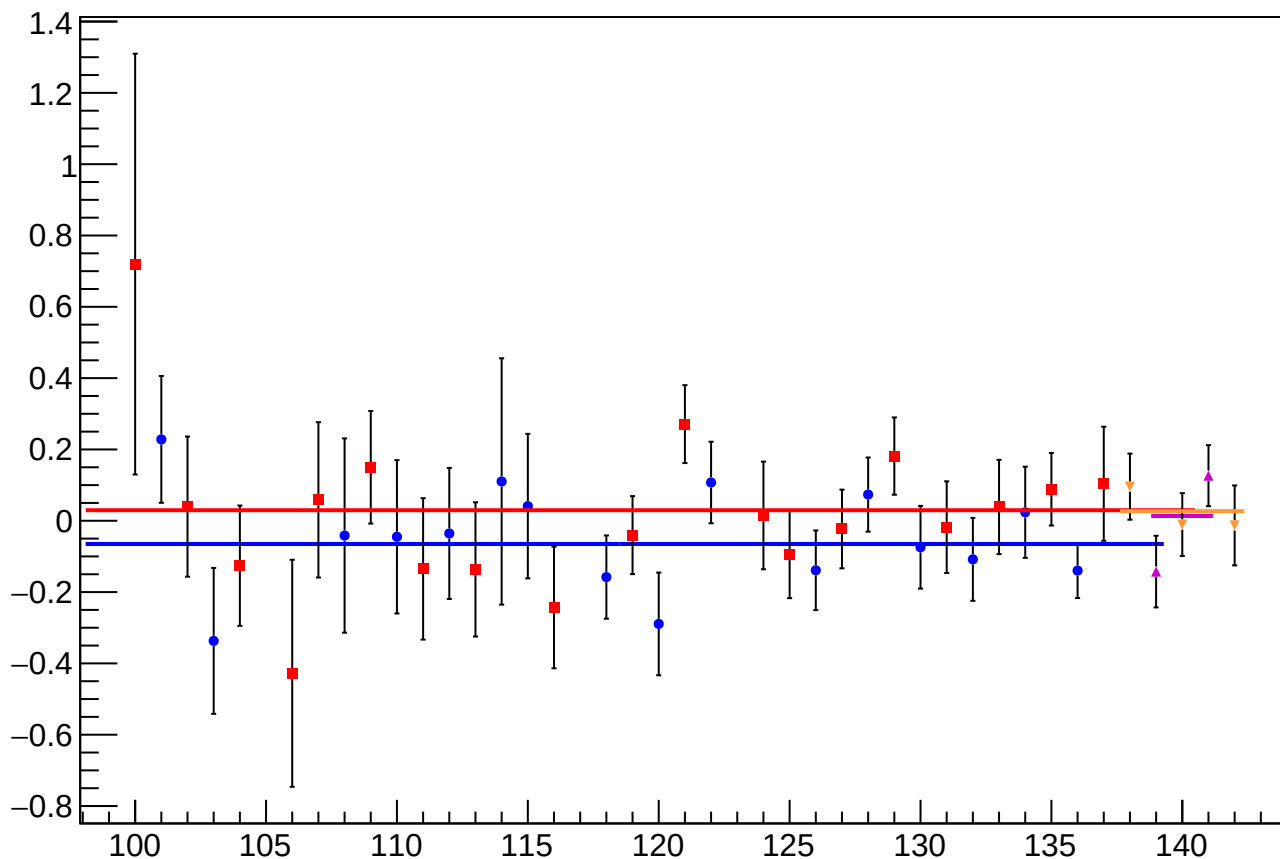
Left In: 85.289 $\pm$ 0.046 χ^2 /NDF: 16724.0/1

+ sign 84.196 $\pm$ 0.020 χ^2 /NDF: 1061224.7/18

All: 85.028 $\pm$ 0.014 χ^2 /NDF: 2073046.0/39

- sign 85.911 $\pm$ 0.021 χ^2 /NDF: 1008318.4/20

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: 0.027 ± 0.055 χ^2/NDF : 0.9/2

Right Out: 0.030 ± 0.033 χ^2/NDF : 18.1/18

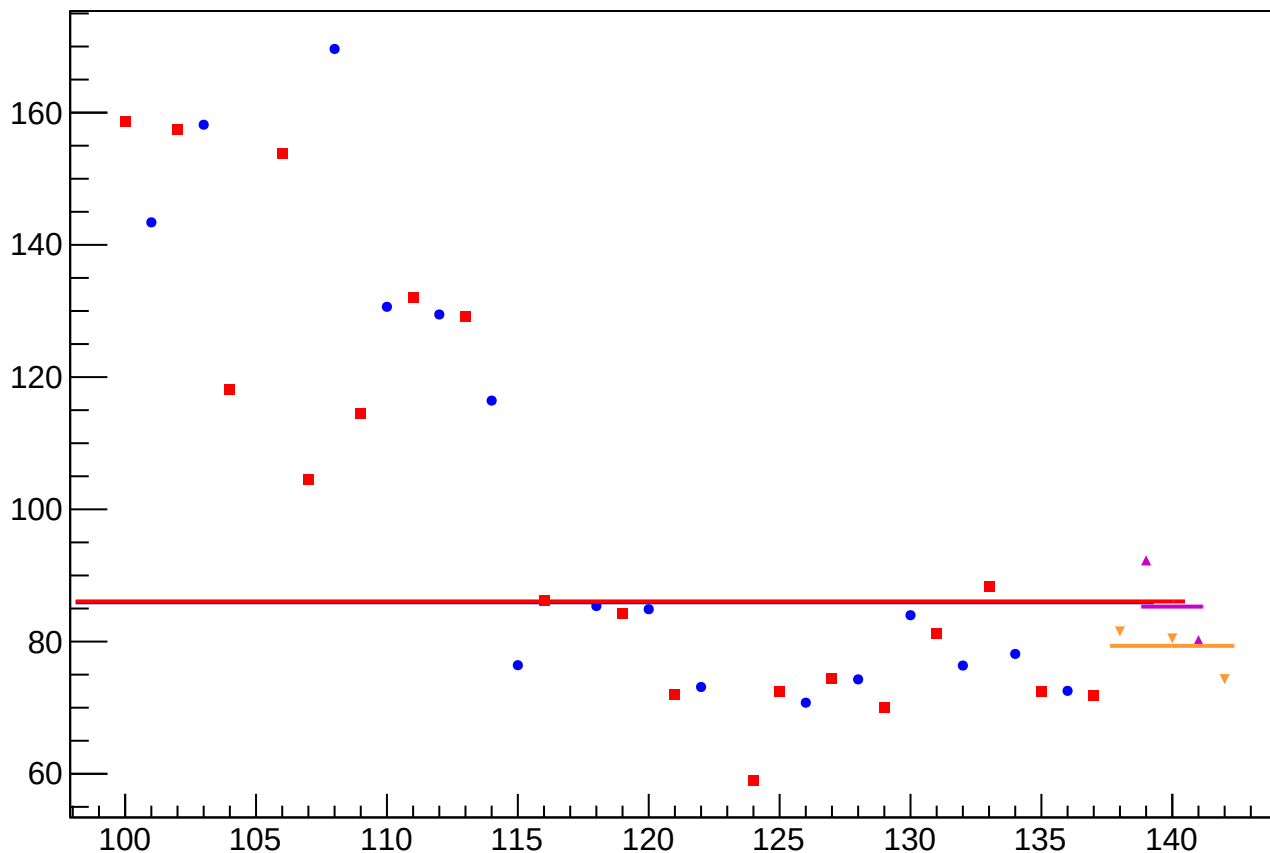
Left In: 0.013 ± 0.065 χ^2/NDF : 4.2/1

+ sign -0.041 ± 0.029 χ^2/NDF : 17.1/18

All: -0.008 ± 0.020 χ^2/NDF : 42.0/39

- sign 0.026 ± 0.029 χ^2/NDF : 22.3/20

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2/NDF : 1034986.7/15

Left Out: 79.350+/-0.039 χ^2/NDF : 5469.9/2

Right Out: 86.070+/-0.023 χ^2/NDF : 991365.2/18

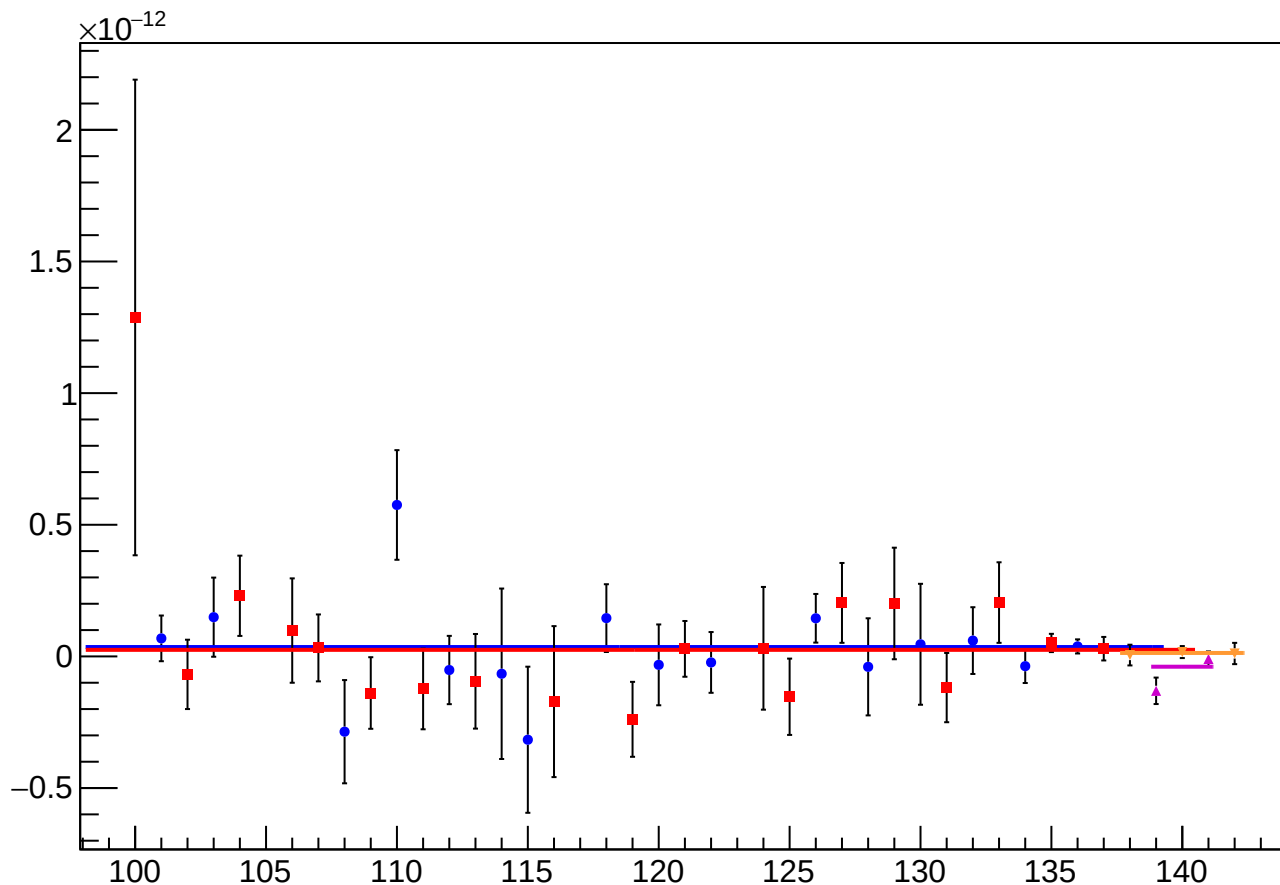
Left In: 85.289+/-0.046 χ^2/NDF : 16724.0/1

+ sign 84.196+/-0.020 χ^2/NDF : 1061224.7/18

All: 85.028+/-0.014 χ^2/NDF : 2073046.0/39

- sign 85.911+/-0.021 χ^2/NDF : 1008318.4/20

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: 0.1/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/18

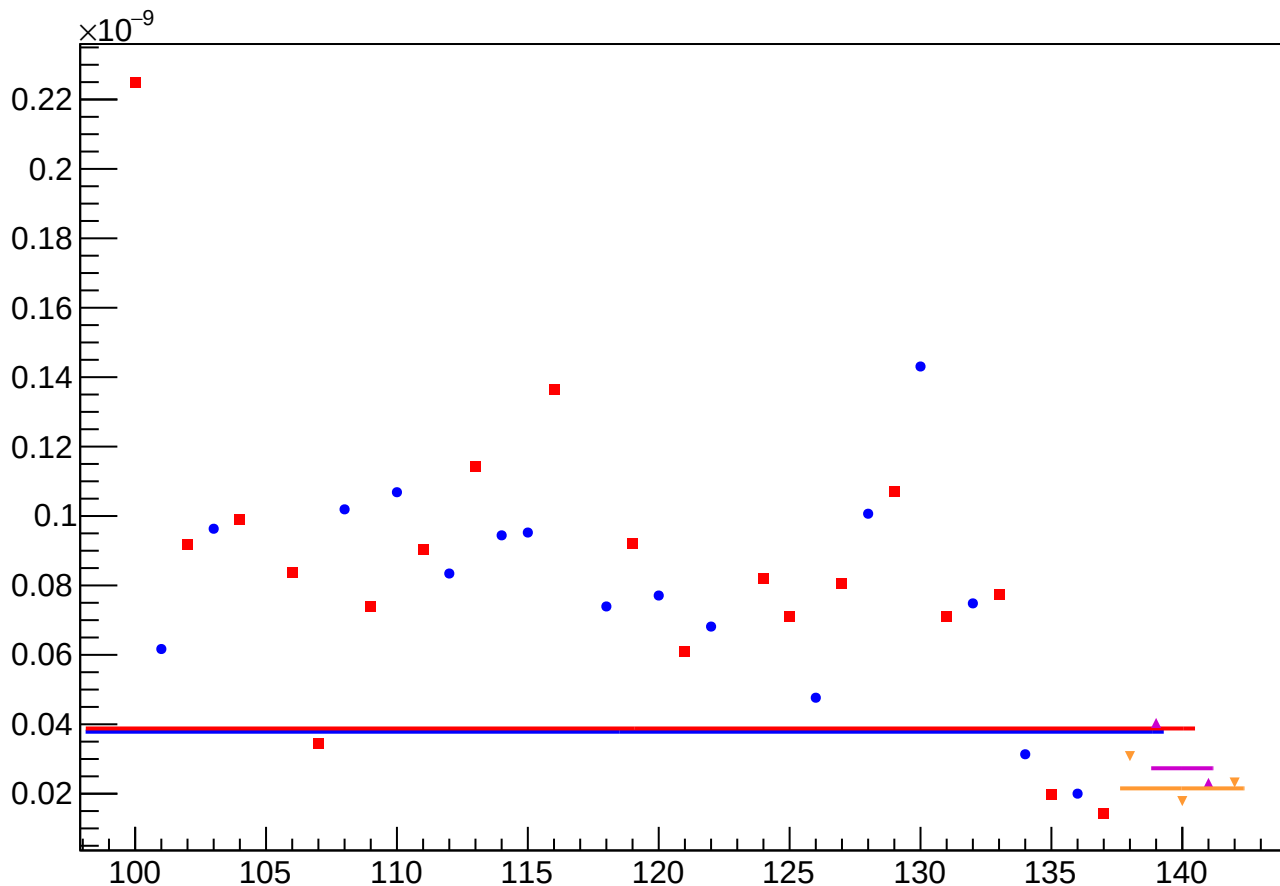
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 4.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 44.6/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.0/20

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3456922.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:166469.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4121603.1/18

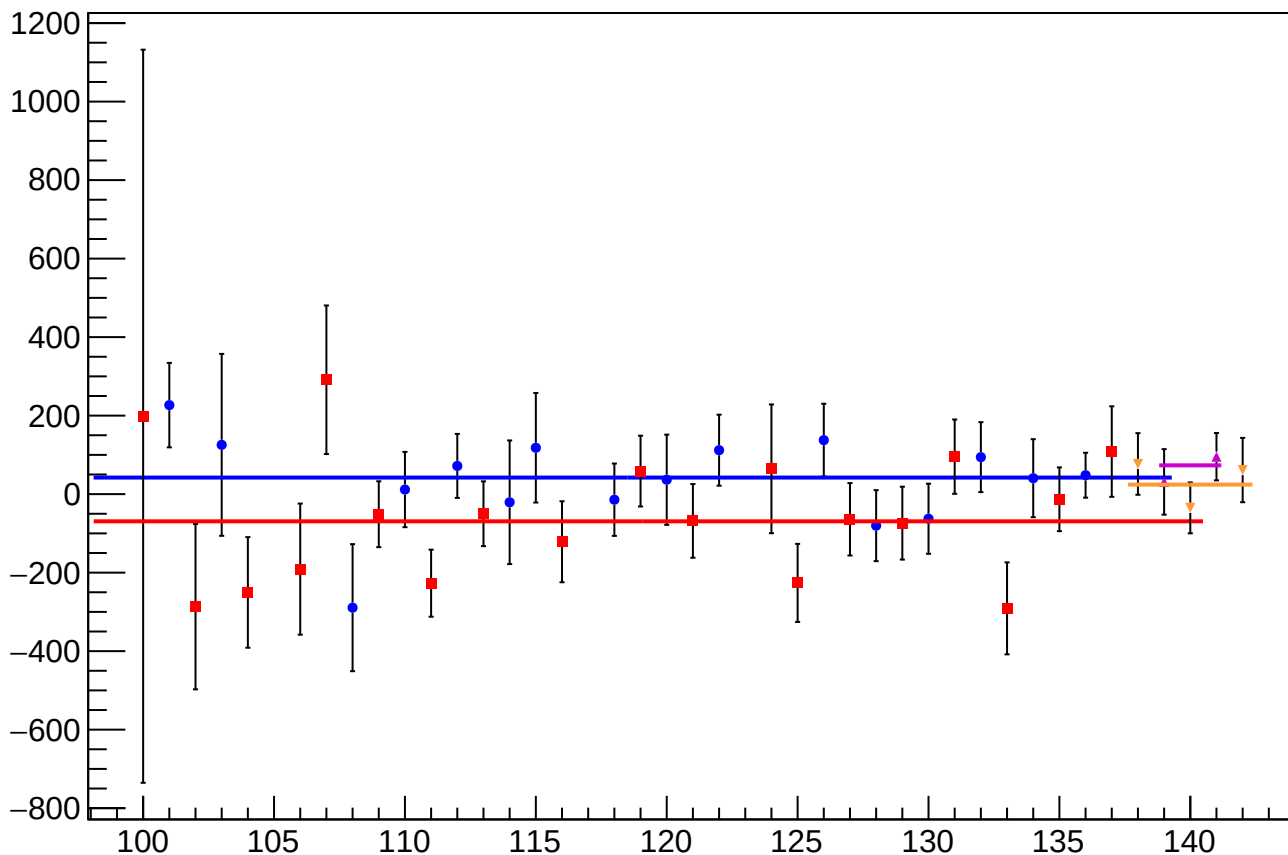
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:178533.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4343453.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9001180.6/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4537396.7/20

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220 $\pm$ 24.207 χ^2 /NDF: 13.6/15

Left Out: 24.241 $\pm$ 42.676 χ^2 /NDF: 1.5/2

Right Out: -69.249 $\pm$ 24.418 χ^2 /NDF: 25.4/18

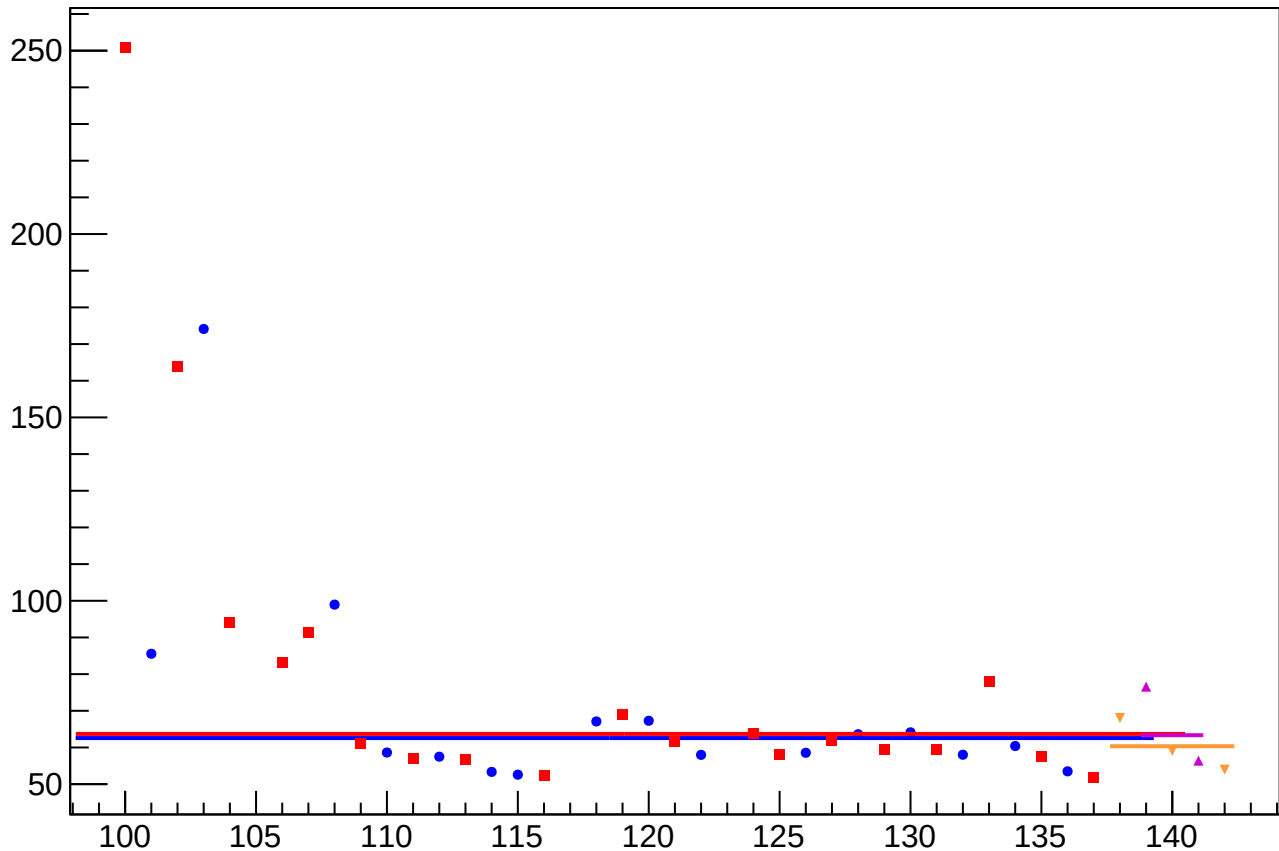
Left In: 73.343 $\pm$ 48.919 χ^2 /NDF: 0.4/1

+ sign 37.843 $\pm$ 21.055 χ^2 /NDF: 15.2/18

All: -0.031 $\pm$ 15.161 χ^2 /NDF: 54.5/39

- sign -40.808 $\pm$ 21.848 χ^2 /NDF: 32.6/20

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566 $\pm$ 0.017 χ^2 /NDF: 758603.5/15

Left Out: 60.338 $\pm$ 0.030 χ^2 /NDF: 32044.7/2

Right Out: 63.699 $\pm$ 0.017 χ^2 /NDF: 834180.2/18

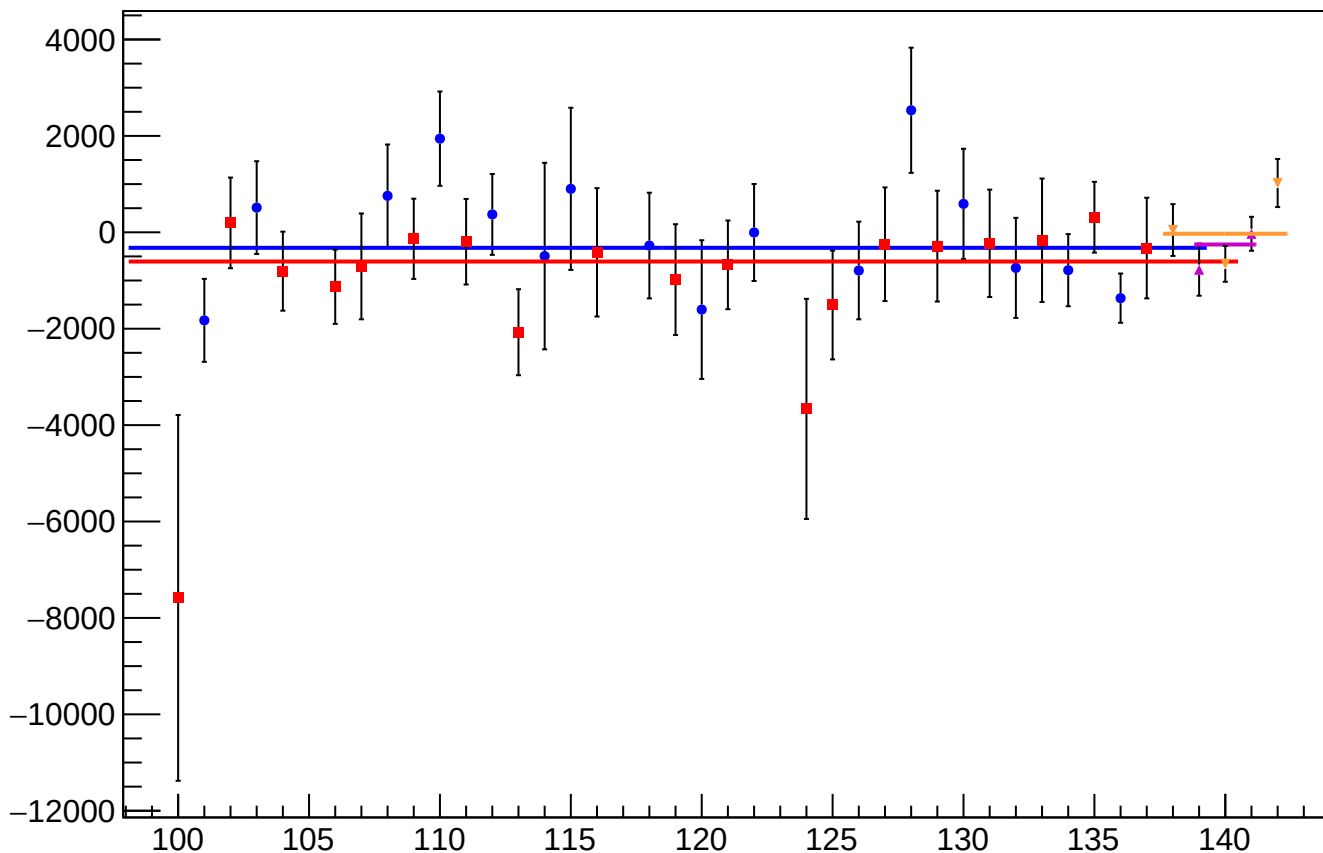
Left In: 63.342 $\pm$ 0.035 χ^2 /NDF: 76729.8/1

+ sign 62.023 $\pm$ 0.015 χ^2 /NDF: 794769.6/18

All: 62.796 $\pm$ 0.011 χ^2 /NDF: 1711358.9/39

- sign 63.628 $\pm$ 0.015 χ^2 /NDF: 910995.2/20

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663 ± 238.482 χ^2/NDF : 22.7/15

Left Out: -30.311 ± 260.811 χ^2/NDF : 7.3/2

Right Out: -605.859 ± 233.643 χ^2/NDF : 12.5/18

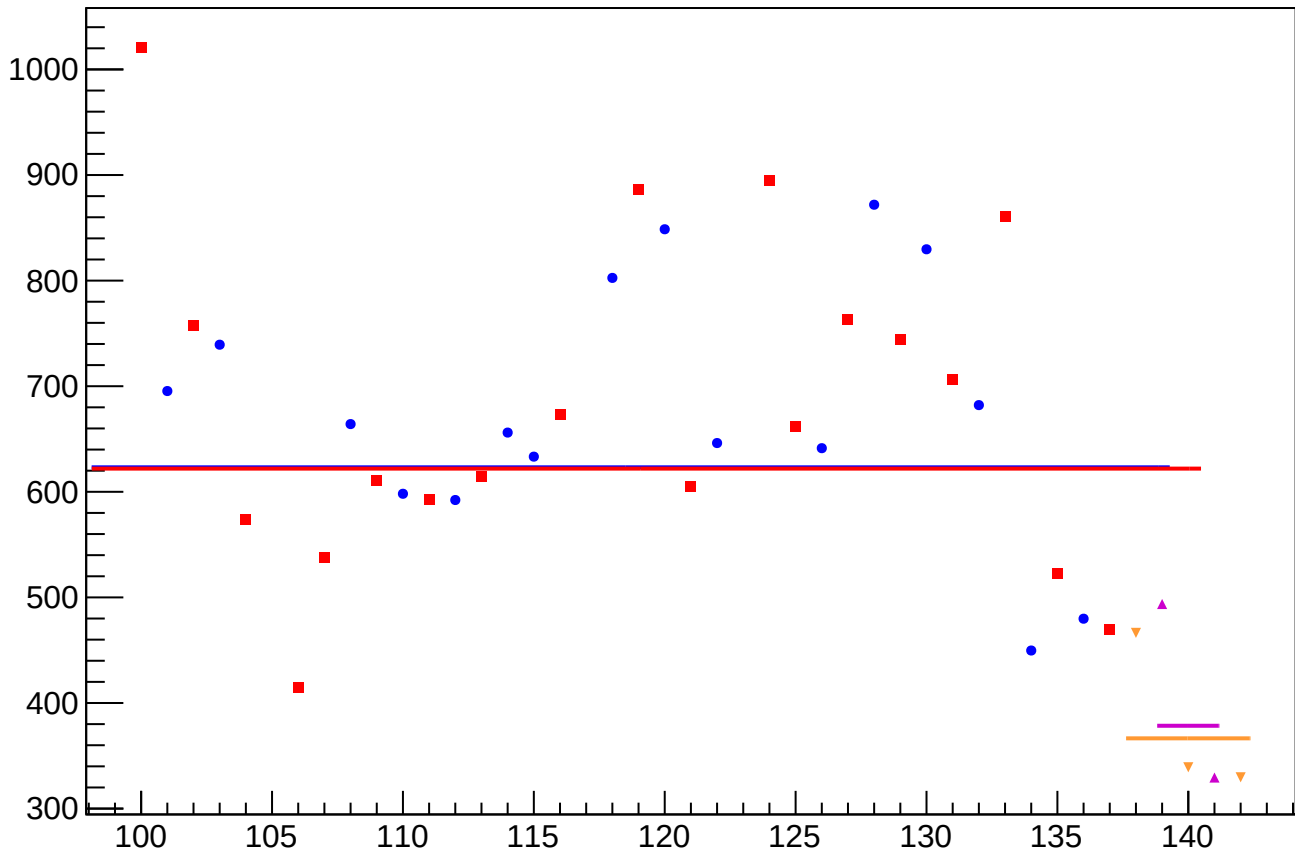
Left In: -252.902 ± 295.314 χ^2/NDF : 1.3/1

+ sign -188.990 ± 175.998 χ^2/NDF : 30.7/18

All: -323.829 ± 126.929 χ^2/NDF : 46.6/39

- sign -469.980 ± 183.231 χ^2/NDF : 14.7/20

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF : 565524.7/15

Left Out: 366.526+/-0.184 χ^2/NDF : 90924.5/2

Right Out: 621.975+/-0.165 χ^2/NDF : 582591.9/18

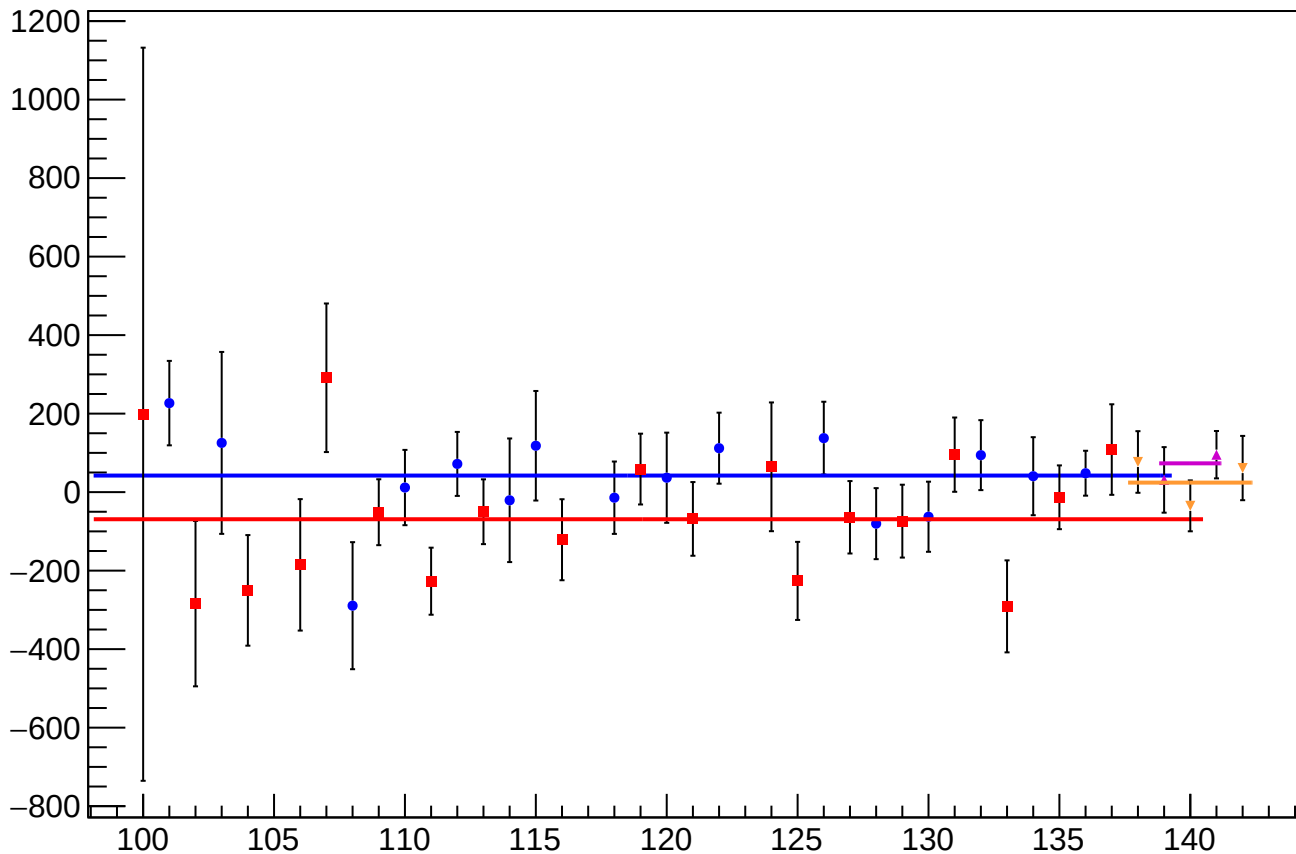
Left In: 378.441+/-0.209 χ^2/NDF : 129658.8/1

+ sign 506.308+/-0.124 χ^2/NDF : 1711278.4/18

All: 516.823+/-0.090 χ^2/NDF : 3274919.5/39

- sign 528.221+/-0.130 χ^2/NDF : 1548763.4/20

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213 $\pm$ 24.207 χ^2 /NDF: 13.6/15

Left Out: 24.253 $\pm$ 42.676 χ^2 /NDF: 1.5/2

Right Out: -69.068 $\pm$ 24.420 χ^2 /NDF: 25.3/18

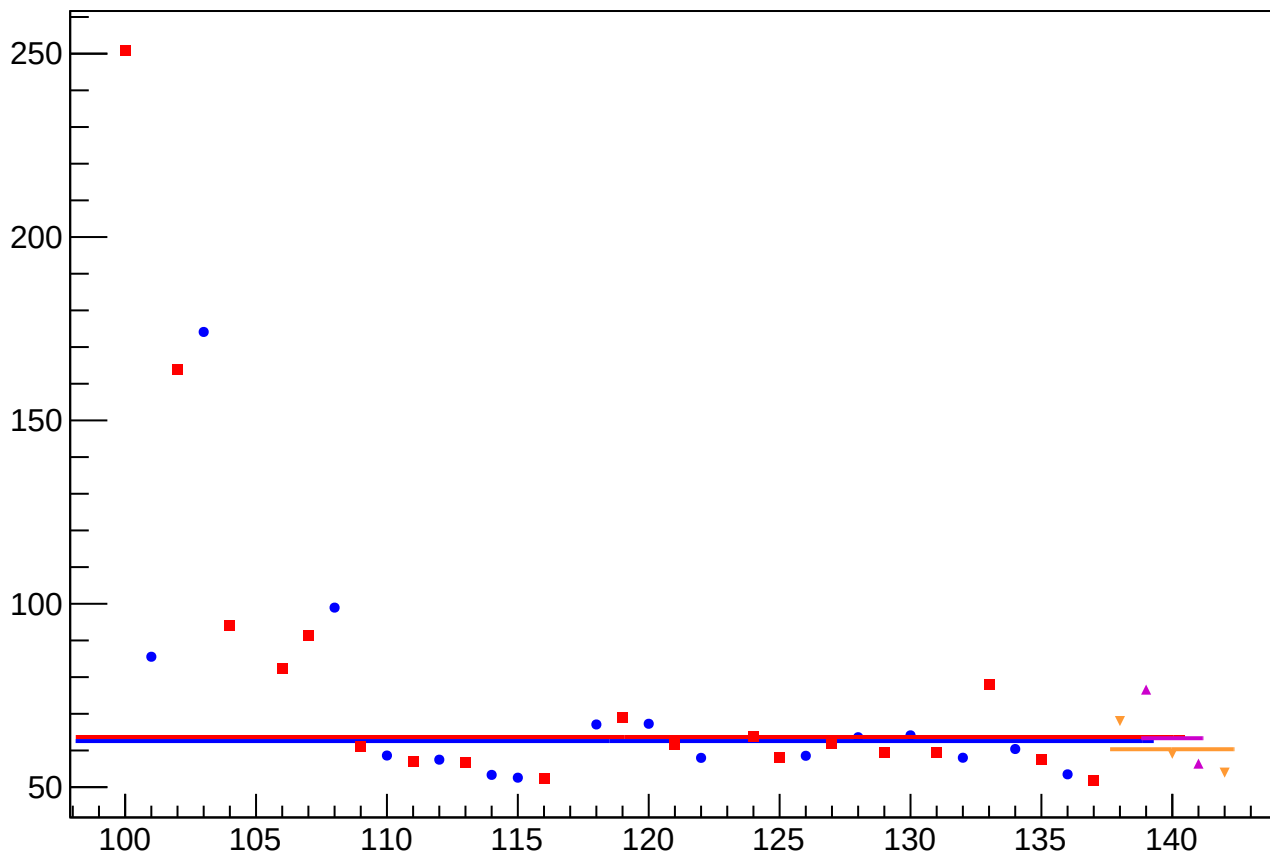
Left In: 73.344 $\pm$ 48.919 χ^2 /NDF: 0.4/1

+ sign 37.841 $\pm$ 21.055 χ^2 /NDF: 15.2/18

All: 0.042 $\pm$ 15.161 χ^2 /NDF: 54.3/39

- sign -40.660 $\pm$ 21.849 χ^2 /NDF: 32.5/20

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566 $\pm$ 0.017 χ^2 /NDF: 758605.6/15

Left Out: 60.338 $\pm$ 0.030 χ^2 /NDF: 32044.7/2

Right Out: 63.675 $\pm$ 0.017 χ^2 /NDF: 831432.5/18

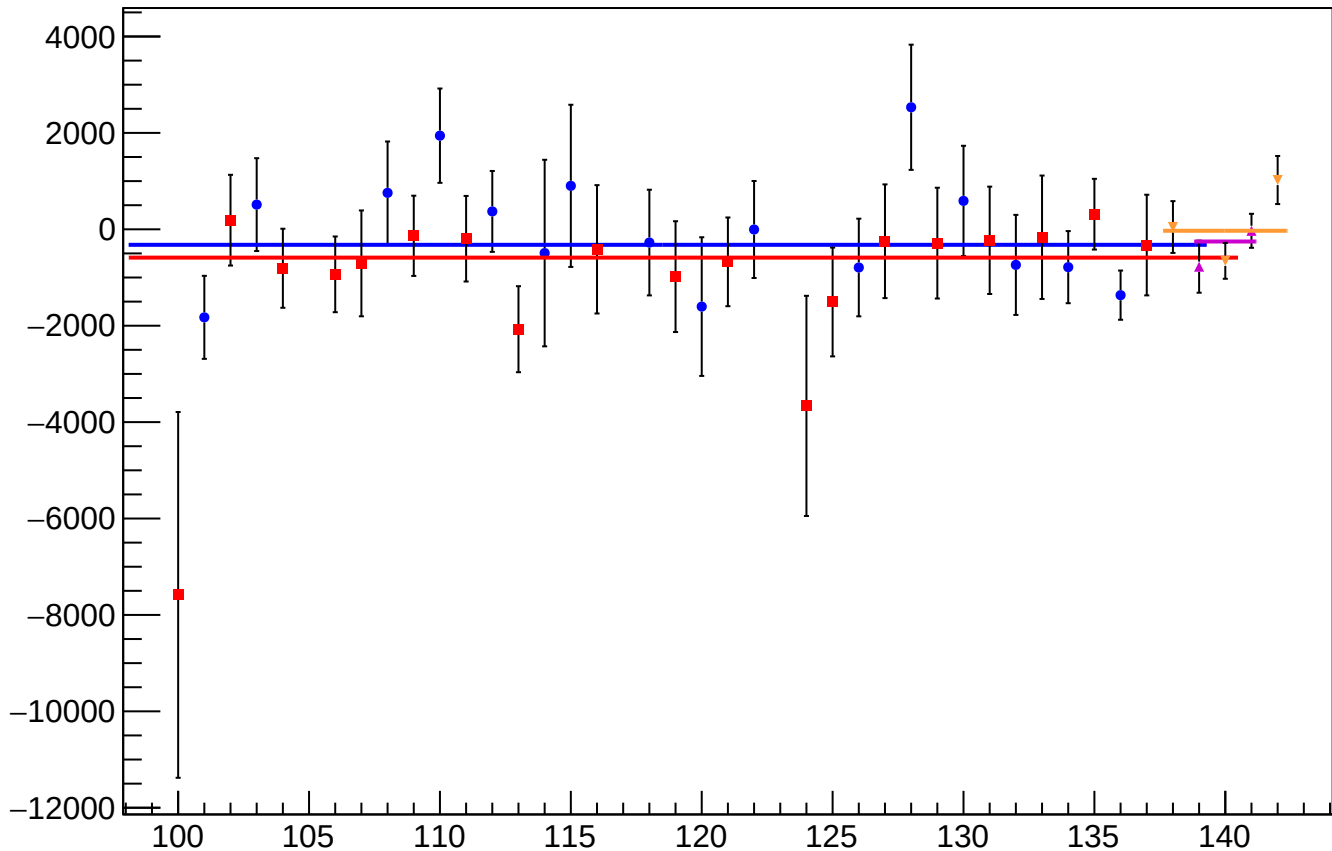
Left In: 63.342 $\pm$ 0.035 χ^2 /NDF: 76729.8/1

+ sign 62.023 $\pm$ 0.015 χ^2 /NDF: 794771.7/18

All: 62.787 $\pm$ 0.011 χ^2 /NDF: 1708468.0/39

- sign 63.609 $\pm$ 0.015 χ^2 /NDF: 908236.3/20

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -321.660 ± 238.484 χ^2/NDF : 22.7/15

Left Out: -30.296 ± 260.810 χ^2/NDF : 7.3/2

Right Out: -587.224 ± 234.080 χ^2/NDF : 12.2/18

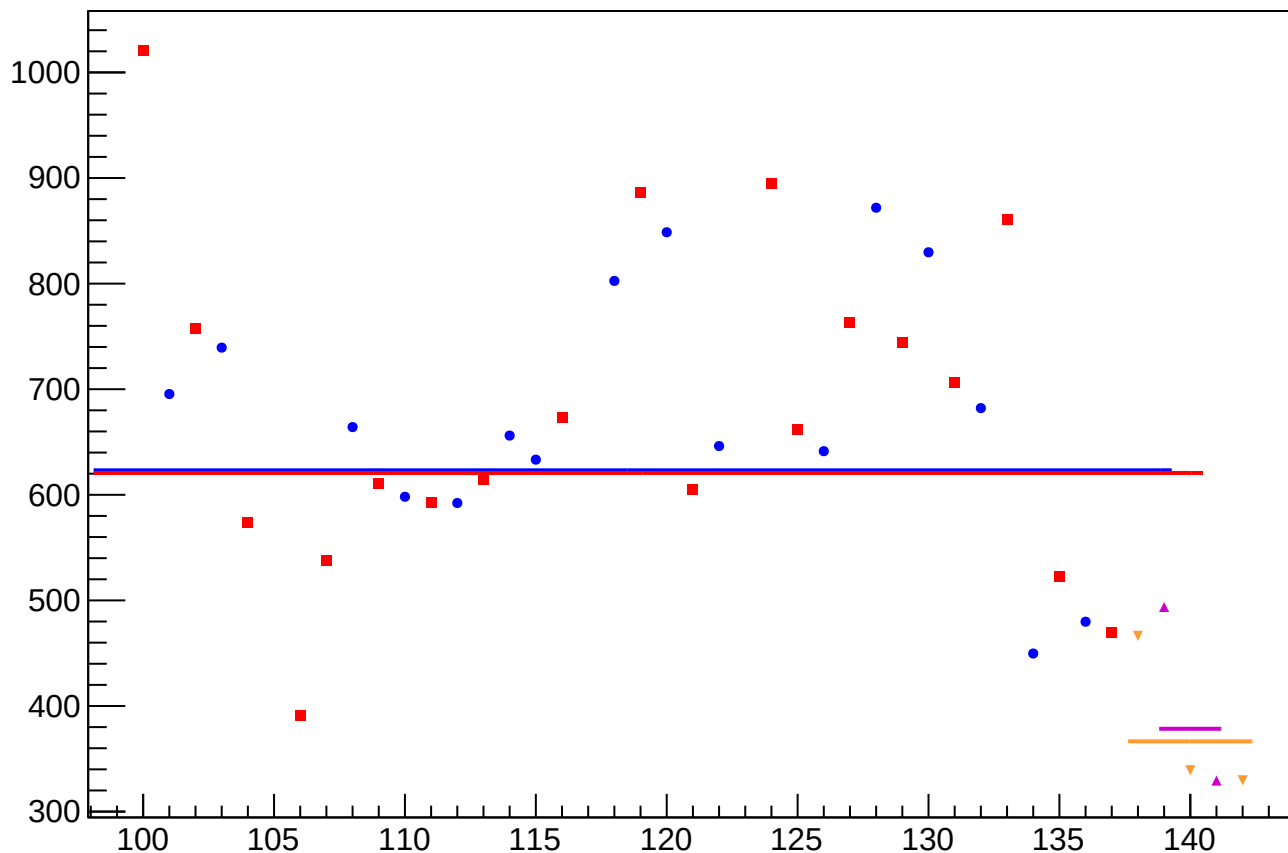
Left In: -252.908 ± 295.315 χ^2/NDF : 1.3/1

+ sign -188.981 ± 175.998 χ^2/NDF : 30.7/18

All: -318.030 ± 127.000 χ^2/NDF : 46.1/39

- sign -458.226 ± 183.442 χ^2/NDF : 14.3/20

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184 $\pm$ 0.169 χ^2 /NDF: 565557.0/15

Left Out: 366.525 $\pm$ 0.184 χ^2 /NDF: 90925.7/2

Right Out: 620.673 $\pm$ 0.166 χ^2 /NDF: 610523.8/18

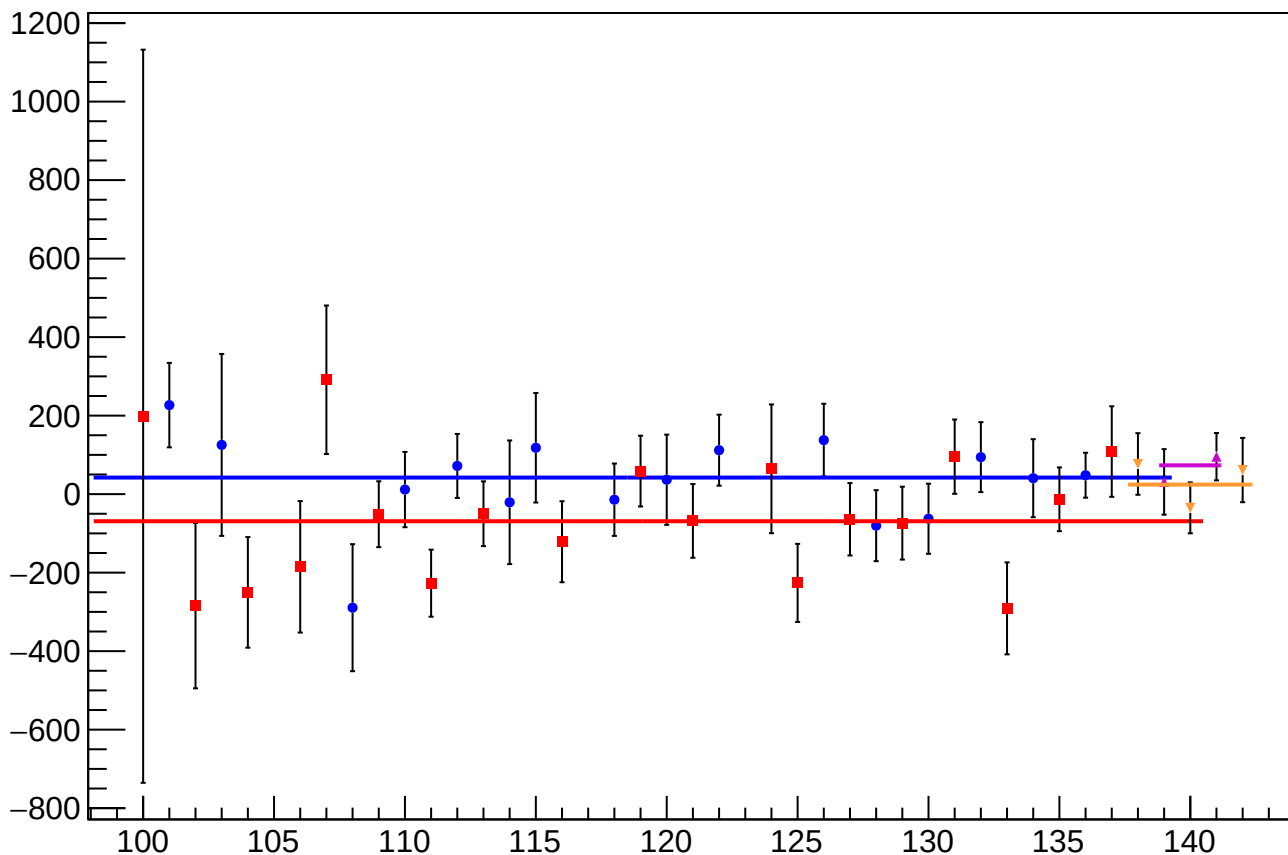
Left In: 378.442 $\pm$ 0.209 χ^2 /NDF: 129656.7/1

+ sign 506.308 $\pm$ 0.124 χ^2 /NDF: 1711333.7/18

All: 516.325 $\pm$ 0.090 χ^2 /NDF: 3291426.2/39

- sign 527.206 $\pm$ 0.130 χ^2 /NDF: 1566577.7/20

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF : 13.6/15

Left Out: 24.253+/-42.676 χ^2/NDF : 1.5/2

Right Out: -69.068+/-24.420 χ^2/NDF : 25.3/18

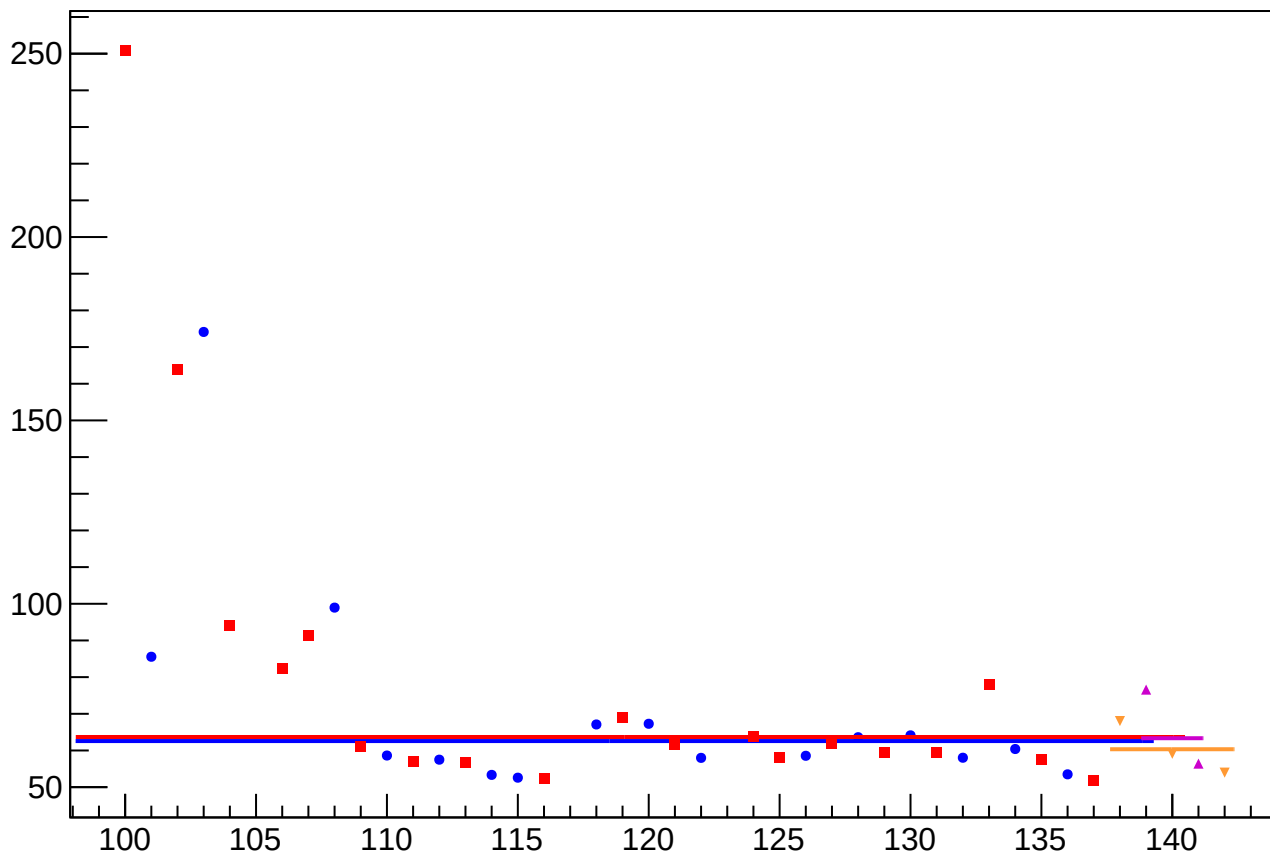
Left In: 73.344+/-48.919 χ^2/NDF : 0.4/1

+ sign 37.841+/-21.055 χ^2/NDF : 15.2/18

All: 0.042+/-15.161 χ^2/NDF : 54.3/39

- sign -40.660+/-21.849 χ^2/NDF : 32.5/20

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566 $\pm$ 0.017 χ^2 /NDF: 758605.6/15

Left Out: 60.338 $\pm$ 0.030 χ^2 /NDF: 32044.7/2

Right Out: 63.675 $\pm$ 0.017 χ^2 /NDF: 831432.5/18

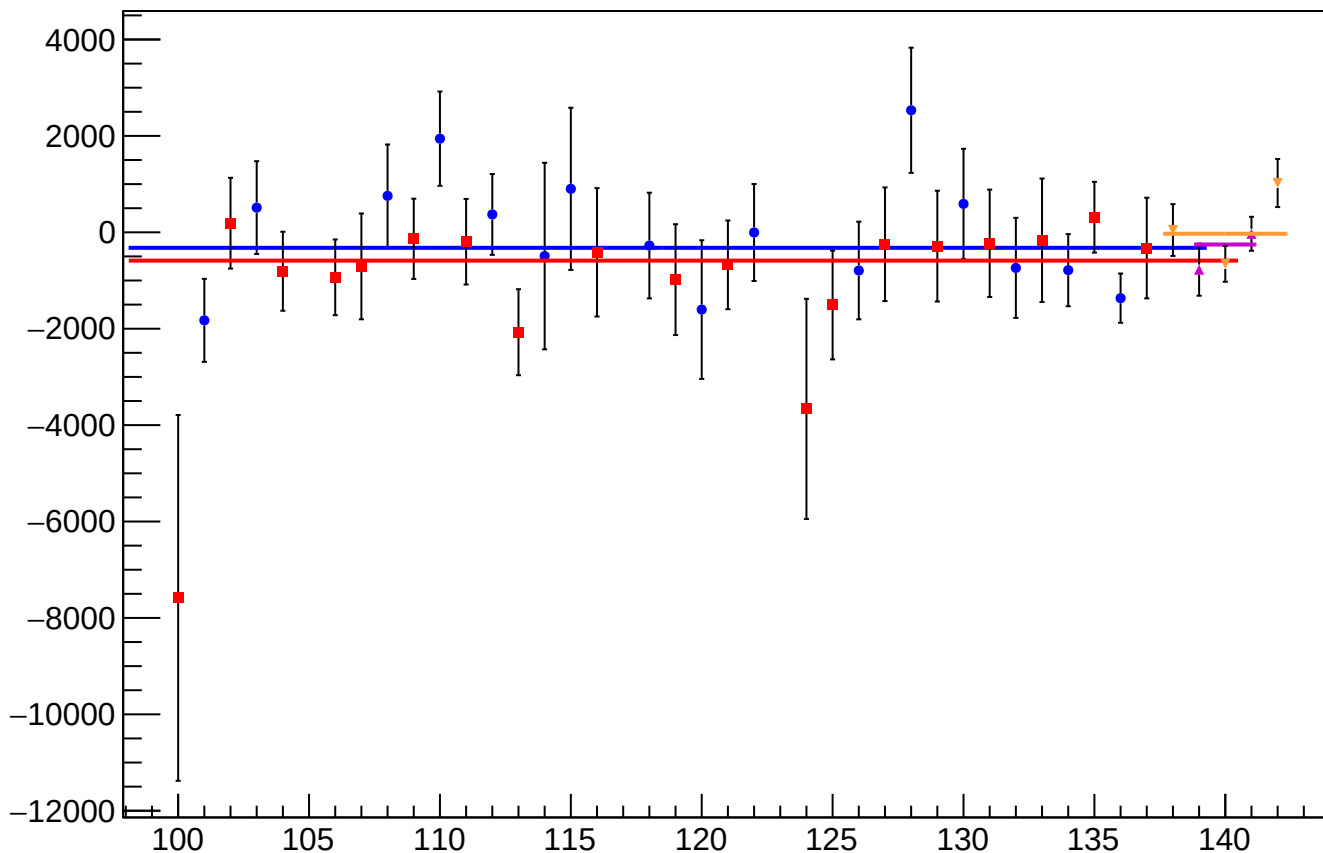
Left In: 63.342 $\pm$ 0.035 χ^2 /NDF: 76729.8/1

+ sign 62.023 $\pm$ 0.015 χ^2 /NDF: 794771.7/18

All: 62.787 $\pm$ 0.011 χ^2 /NDF: 1708468.0/39

- sign 63.609 $\pm$ 0.015 χ^2 /NDF: 908236.3/20

asym_sam_37_dd_eigen_cor_correction_mean vs Slug



Right In: -321.660 ± 238.484 χ^2/NDF : 22.7/15

Left Out: -30.296 ± 260.810 χ^2/NDF : 7.3/2

Right Out: -587.224 ± 234.080 χ^2/NDF : 12.2/18

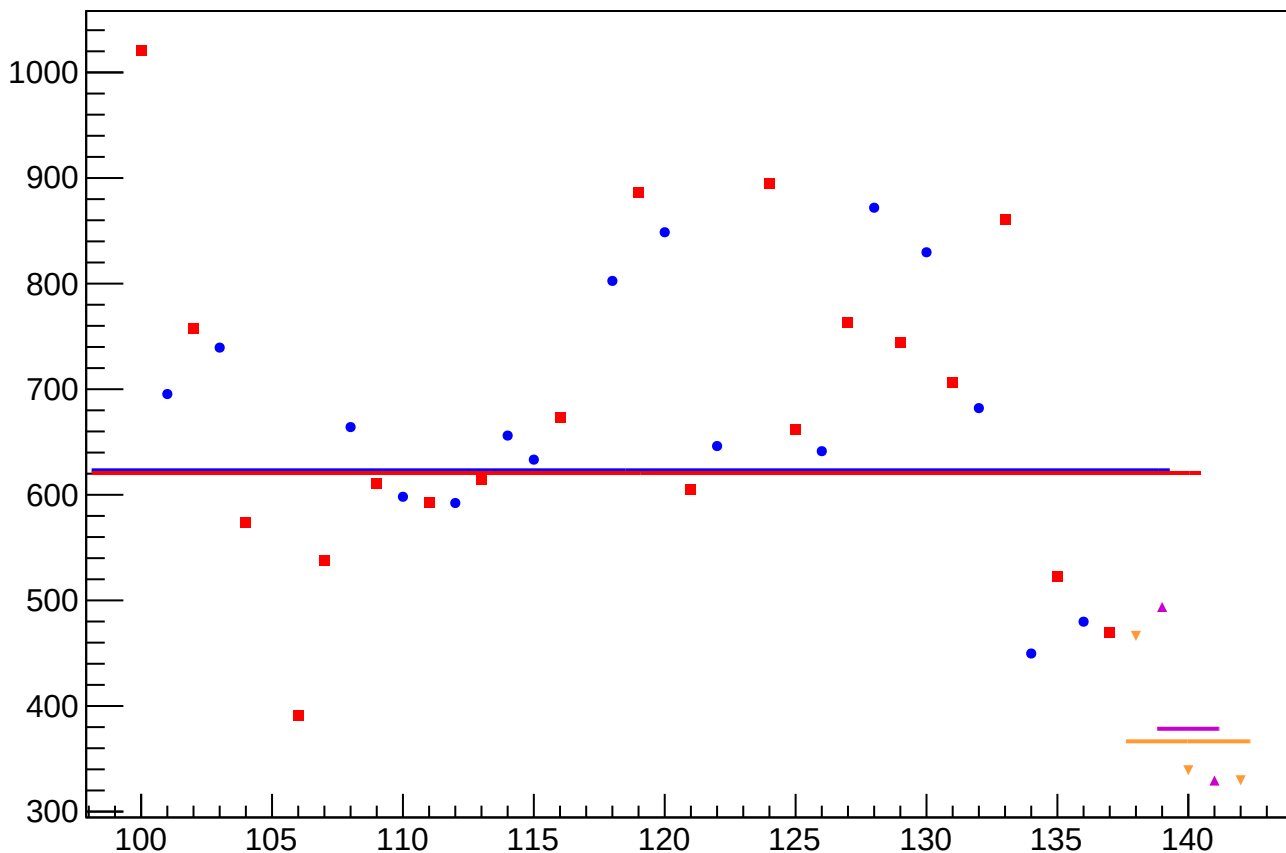
Left In: -252.908 ± 295.315 χ^2/NDF : 1.3/1

+ sign -188.981 ± 175.998 χ^2/NDF : 30.7/18

All: -318.030 ± 127.000 χ^2/NDF : 46.1/39

- sign -458.226 ± 183.442 χ^2/NDF : 14.3/20

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 623.184 $\pm$ 0.169 χ^2 /NDF: 565557.0/15

Left Out: 366.525 $\pm$ 0.184 χ^2 /NDF: 90925.7/2

Right Out: 620.673 $\pm$ 0.166 χ^2 /NDF: 610523.8/18

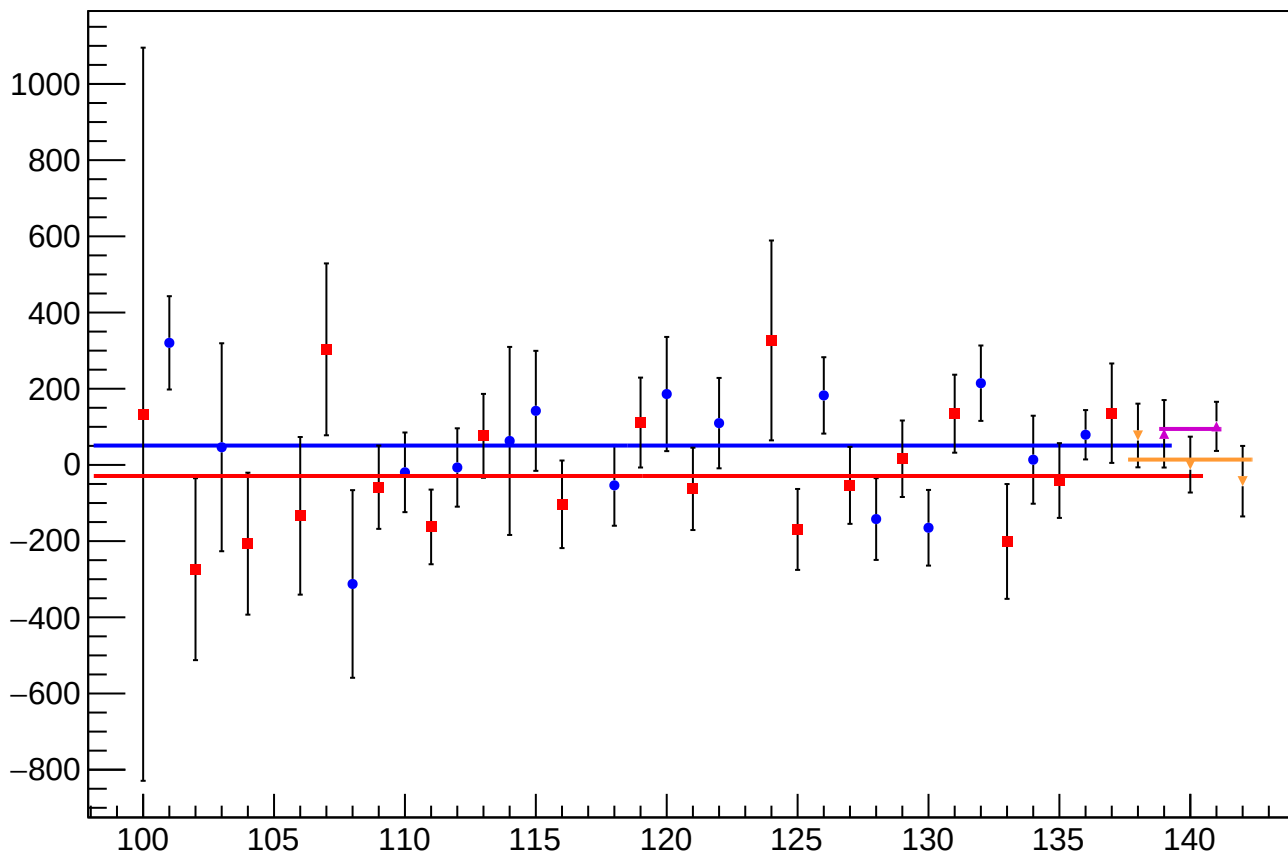
Left In: 378.442 $\pm$ 0.209 χ^2 /NDF: 129656.7/1

+ sign 506.308 $\pm$ 0.124 χ^2 /NDF: 1711333.7/18

All: 516.325 $\pm$ 0.090 χ^2 /NDF: 3291426.2/39

- sign 527.206 $\pm$ 0.130 χ^2 /NDF: 1566577.7/20

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840 $\pm$ 28.316 χ^2 /NDF: 22.9/15

Left Out: 14.009 $\pm$ 47.355 χ^2 /NDF:1.0/2

Right Out: -29.040 $\pm$ 28.910 χ^2 /NDF: 18.5/18

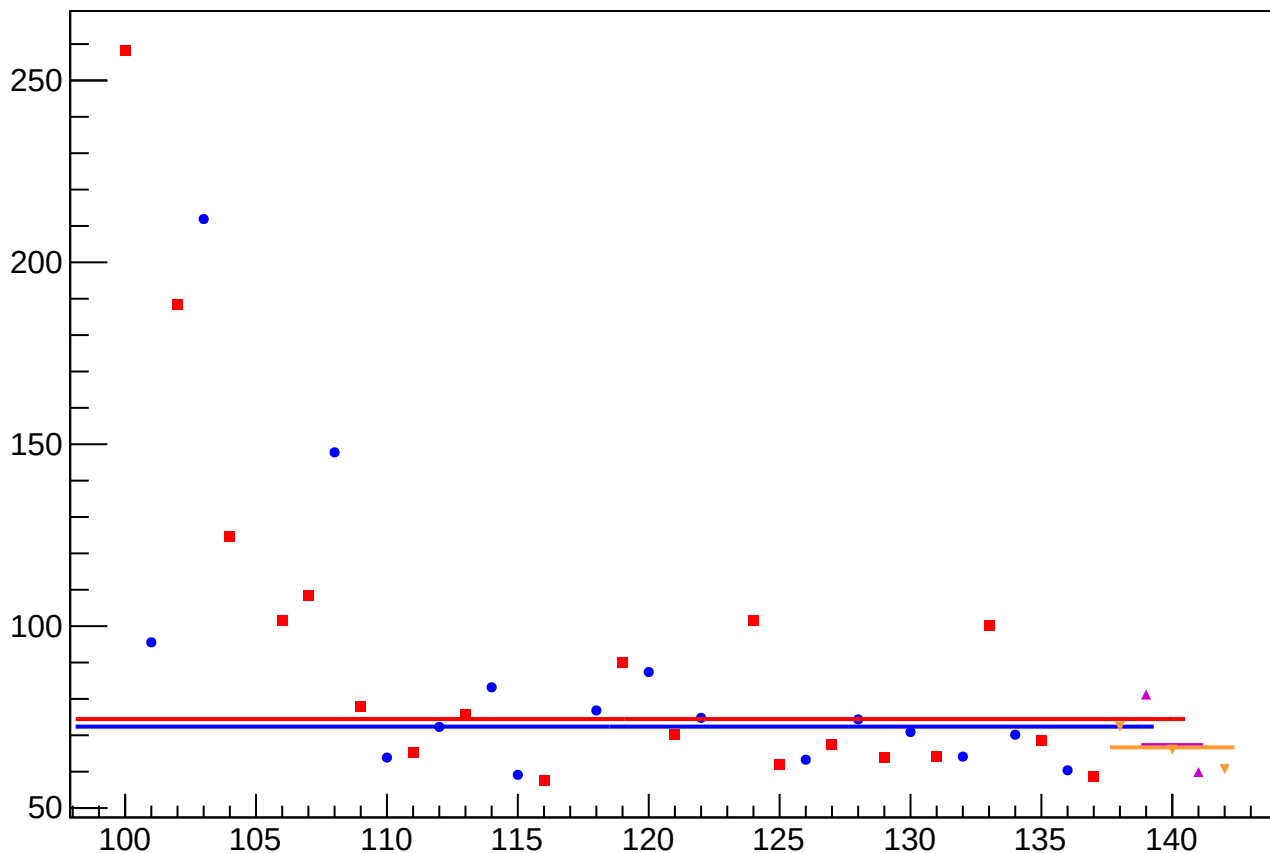
Left In: 94.453 $\pm$ 52.130 χ^2 /NDF:0.0/1

+ sign 41.139 $\pm$ 24.303 χ^2 /NDF: 24.3/18

All: 21.386 $\pm$ 17.521 χ^2 /NDF: 48.5/39

- sign 0.007 $\pm$ 25.282 χ^2 /NDF: 22.8/20

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF : 938175.3/15

Left Out: 66.669+/-0.033 χ^2/NDF : 17786.5/2

Right Out: 74.463+/-0.020 χ^2/NDF : 1052296.6/18

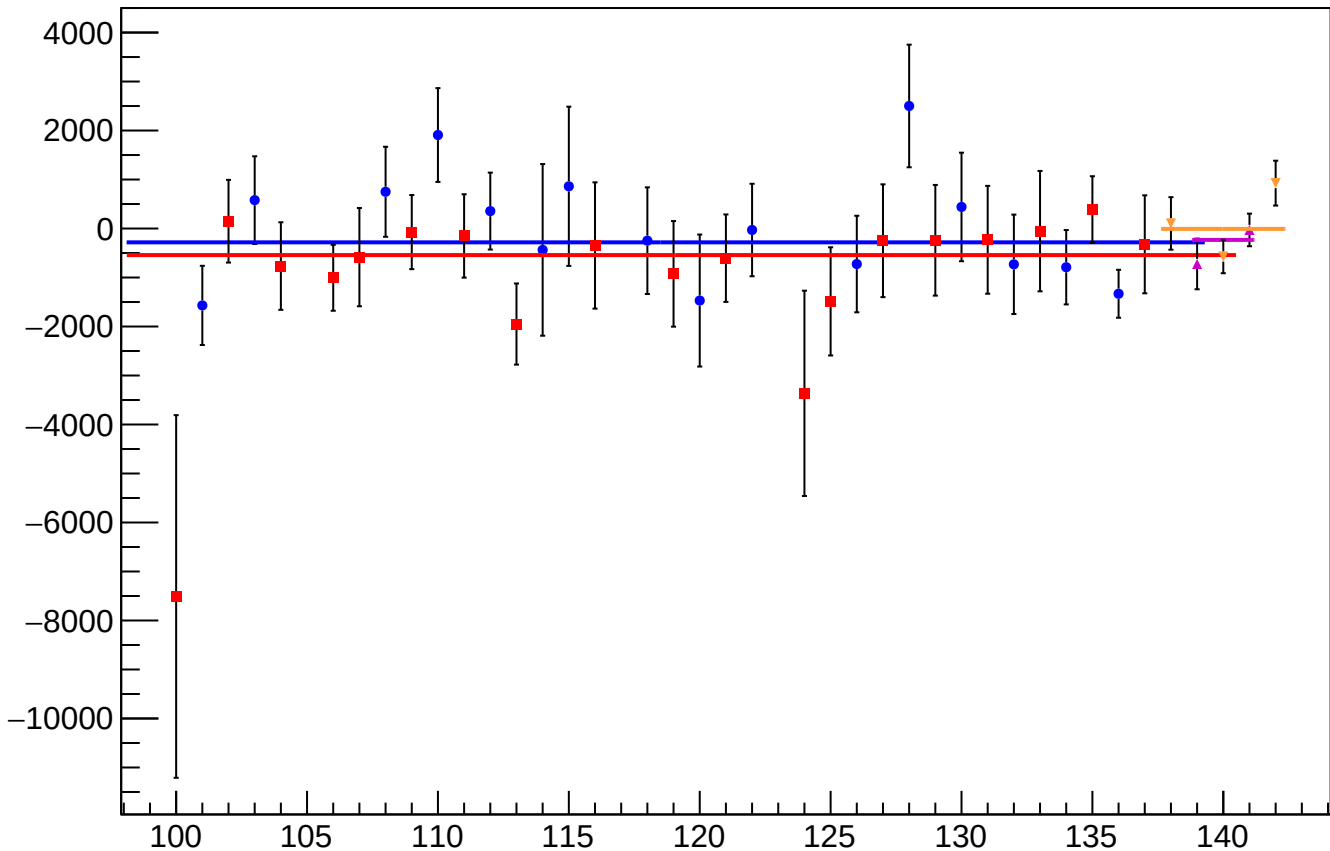
Left In: 67.301+/-0.037 χ^2/NDF : 75470.2/1

+ sign 70.874+/-0.017 χ^2/NDF : 977369.0/18

All: 71.789+/-0.012 χ^2/NDF : 2139910.8/39

- sign 72.779+/-0.018 χ^2/NDF : 1156644.1/20

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039 $\pm$ 227.789 χ^2/NDF : 22.8/15

Left Out: -7.305 $\pm$ 243.650 χ^2/NDF : 6.9/2

Right Out: -542.028 $\pm$ 220.904 χ^2/NDF : 13.3/18

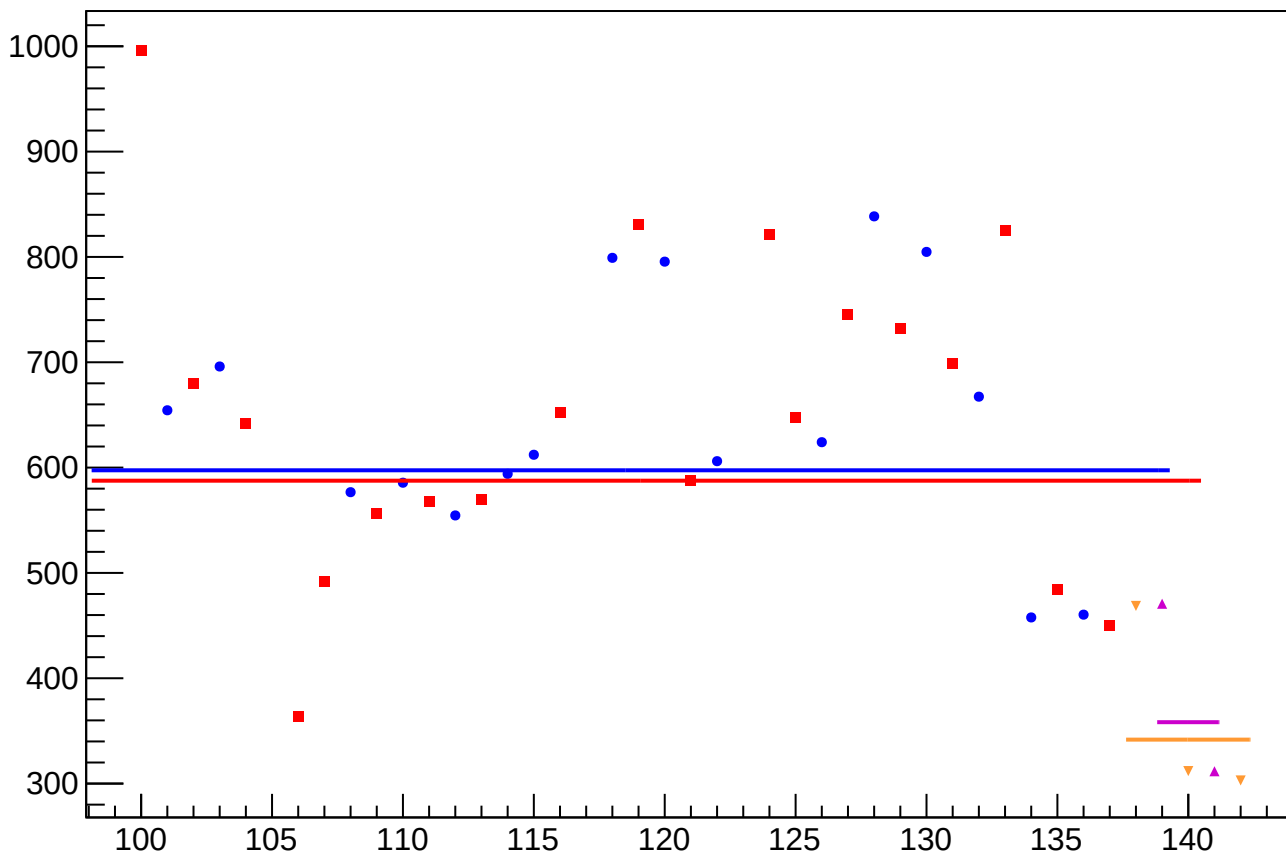
Left In: -232.377 $\pm$ 279.831 χ^2/NDF : 1.3/1

+ sign -153.904 $\pm$ 166.396 χ^2/NDF : 30.4/18

All: -282.986 $\pm$ 120.056 χ^2/NDF : 47.0/39

- sign -423.145 $\pm$ 173.389 χ^2/NDF : 15.3/20

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438 $\pm$ 0.161 χ^2 /NDF: 533791.9/15

Left Out: 341.727 $\pm$ 0.172 χ^2 /NDF:141822.0/2

Right Out: 587.565 $\pm$ 0.156 χ^2 /NDF: 689035.8/18

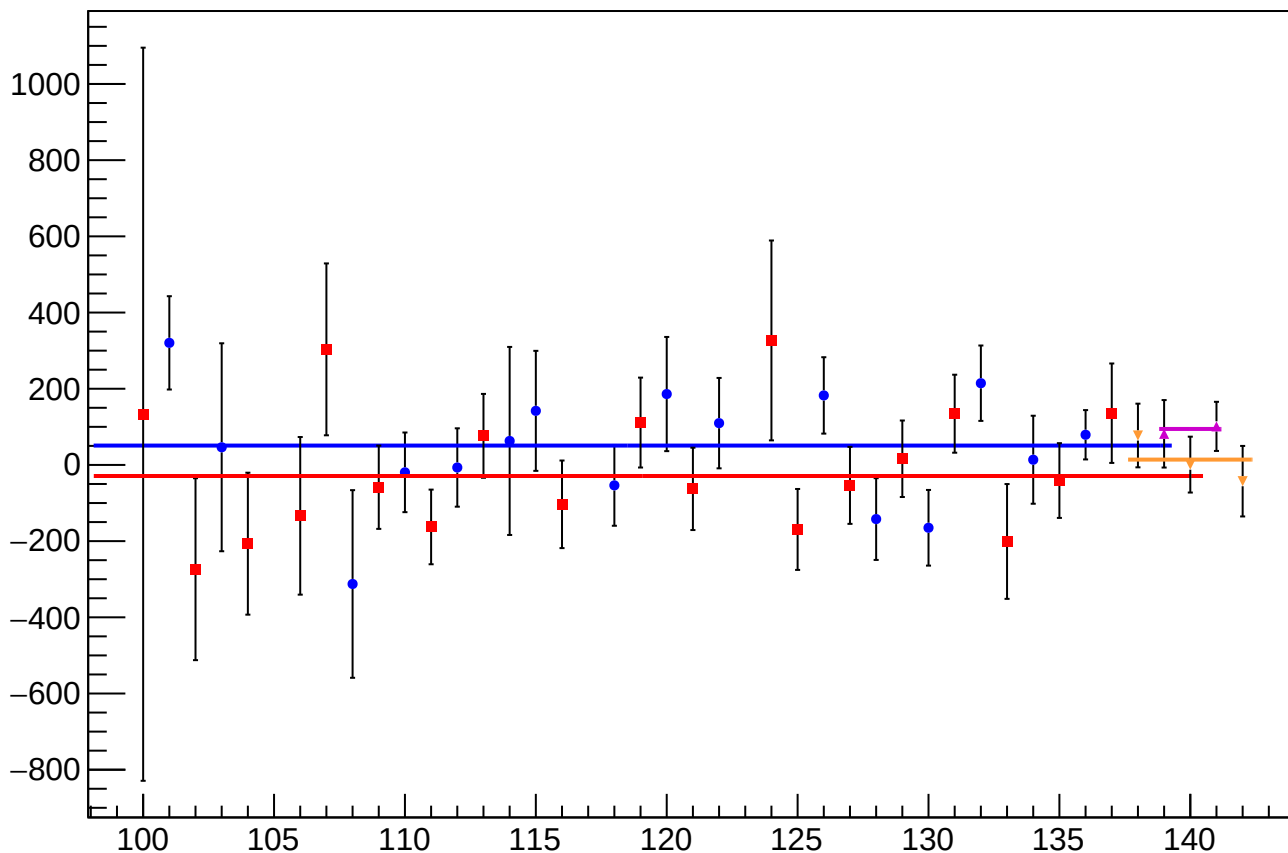
Left In: 358.287 $\pm$ 0.198 χ^2 /NDF:133794.6/1

+ sign 478.176 $\pm$ 0.118 χ^2 /NDF: 1851096.8/18

All: 488.418 $\pm$ 0.085 χ^2 /NDF: 3516907.7/39

- sign 499.539 $\pm$ 0.123 χ^2 /NDF: 1650005.4/20

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840 $\pm$ 28.316 χ^2 /NDF: 22.9/15

Left Out: 14.010 $\pm$ 47.355 χ^2 /NDF: 1.0/2

Right Out: -29.038 $\pm$ 28.910 χ^2 /NDF: 18.5/18

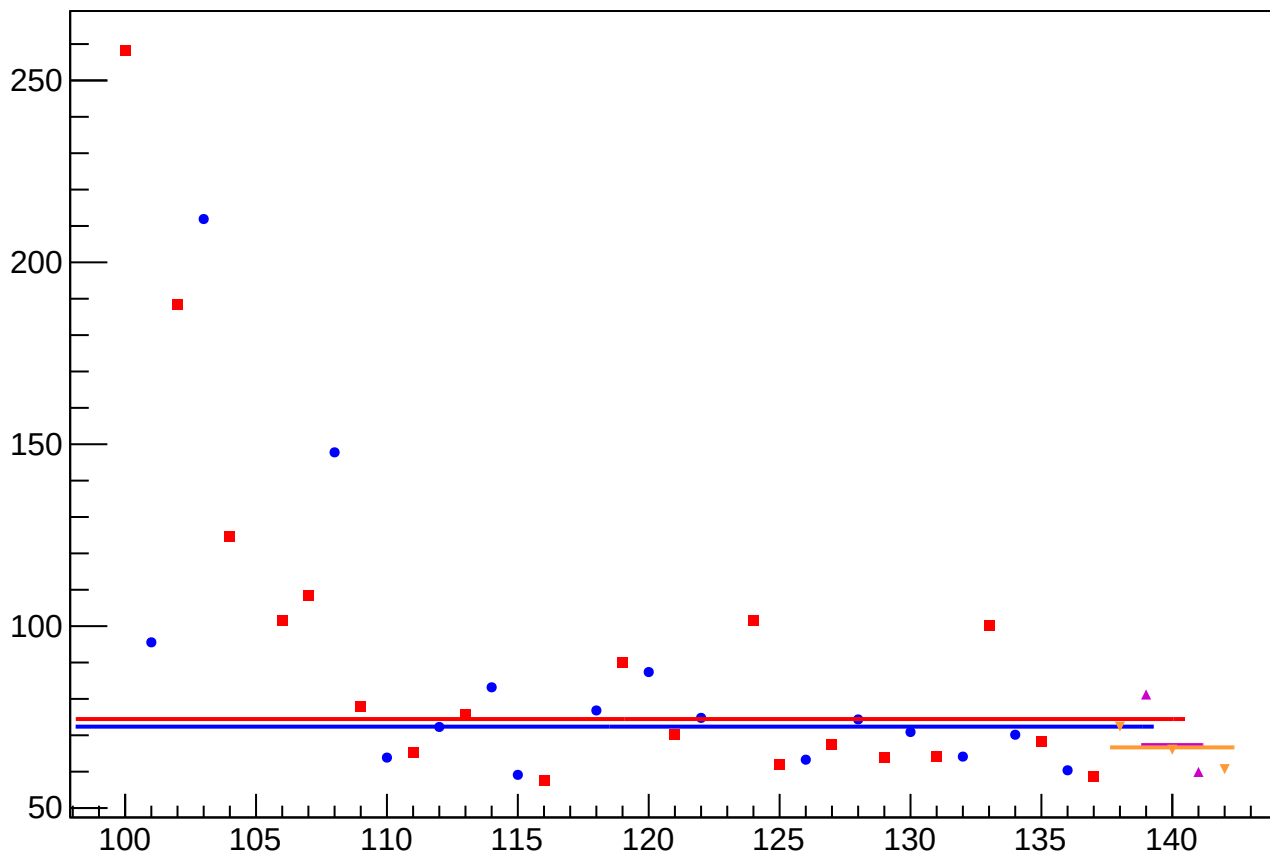
Left In: 94.453 $\pm$ 52.130 χ^2 /NDF: 0.0/1

+ sign 41.139 $\pm$ 24.303 χ^2 /NDF: 24.3/18

All: 21.386 $\pm$ 17.521 χ^2 /NDF: 48.5/39

- sign 0.008 $\pm$ 25.282 χ^2 /NDF: 22.8/20

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF : 938180.0/15

Left Out: 66.669+/-0.033 χ^2/NDF : 17788.1/2

Right Out: 74.463+/-0.020 χ^2/NDF : 1052290.0/18

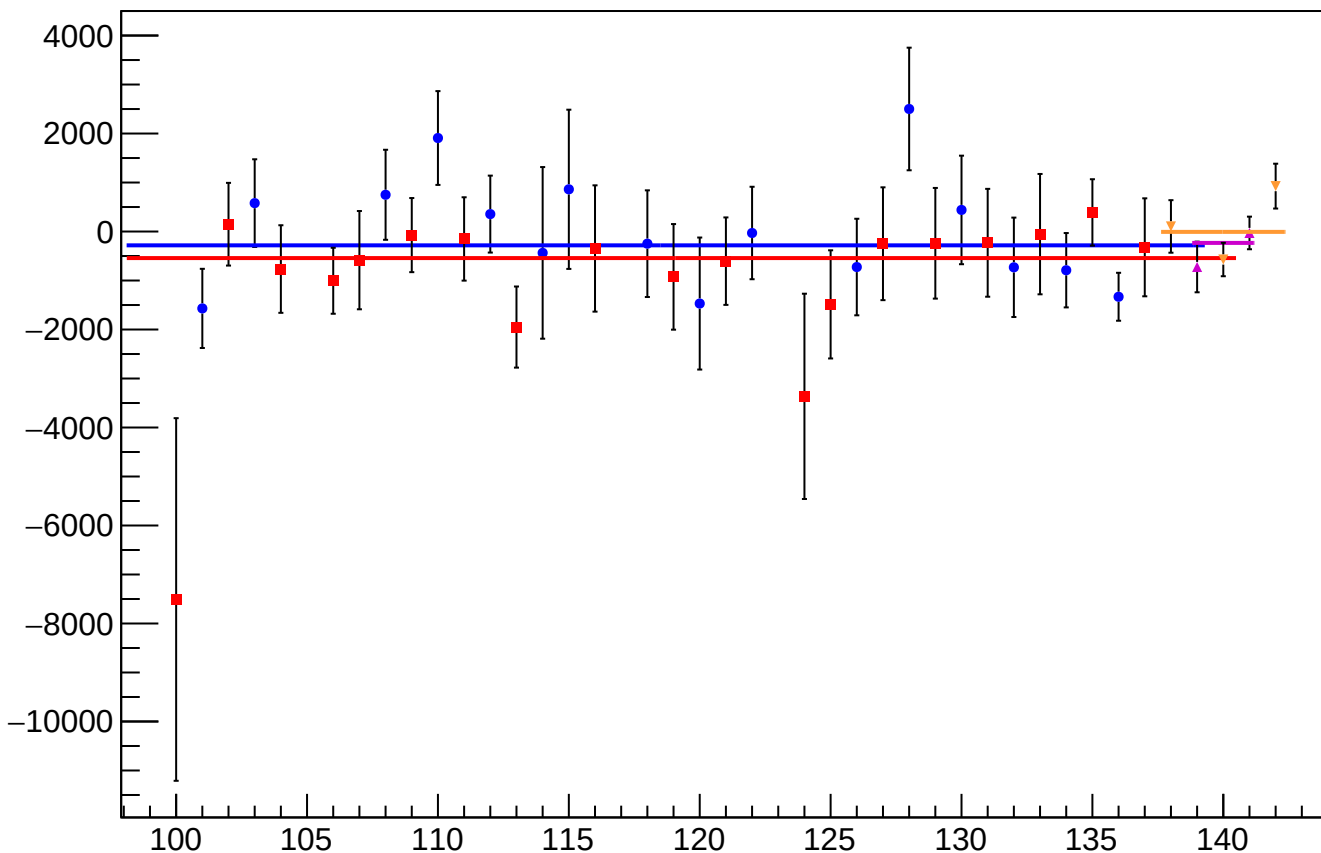
Left In: 67.301+/-0.037 χ^2/NDF : 75467.9/1

+ sign 70.874+/-0.017 χ^2/NDF : 977374.8/18

All: 71.789+/-0.012 χ^2/NDF : 2139907.4/39

- sign 72.779+/-0.018 χ^2/NDF : 1156634.3/20

asym_sam_37_dd_eigen_dit_correction_mean vs Slug



Right In: -282.038 ± 227.789 χ^2/NDF : 22.8/15

Left Out: -7.306 ± 243.650 χ^2/NDF : 6.9/2

Right Out: -542.028 ± 220.904 χ^2/NDF : 13.3/18

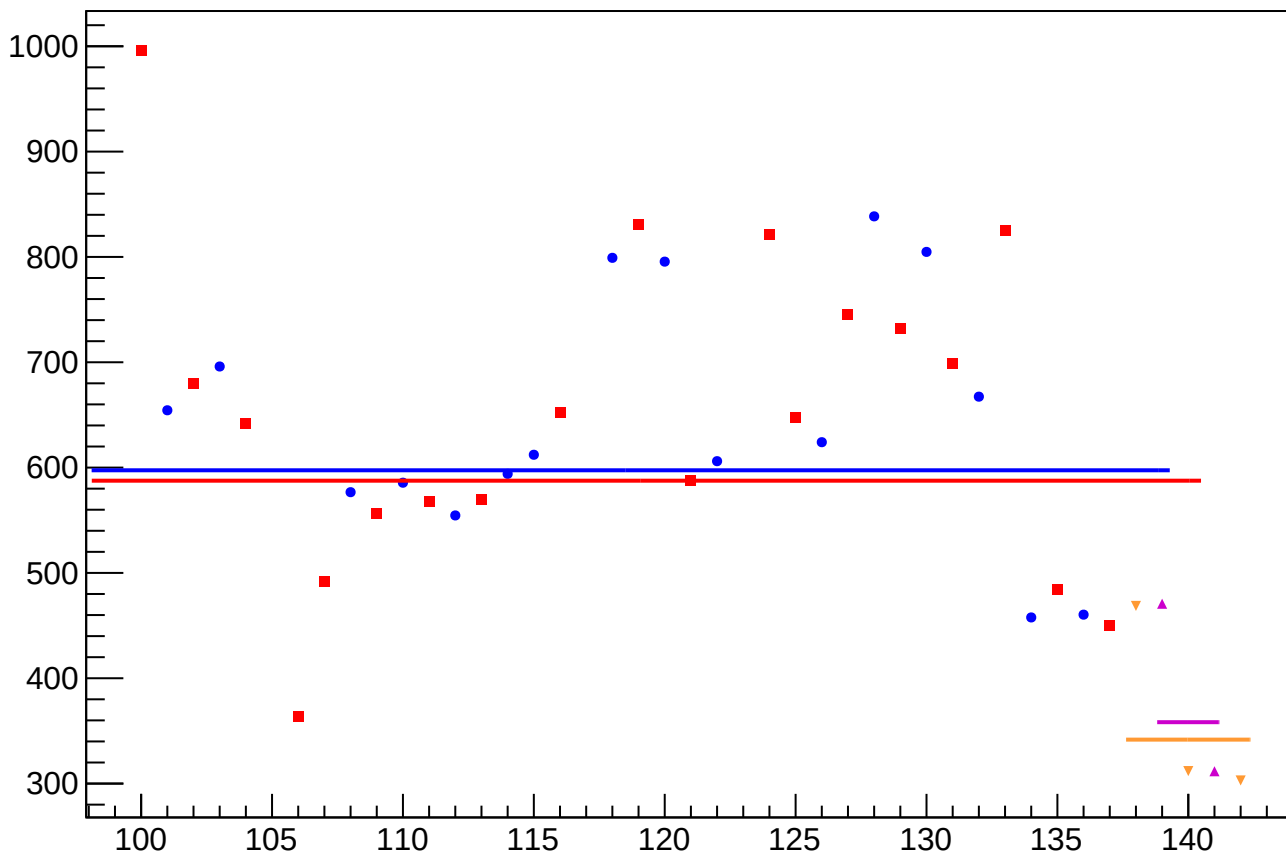
Left In: -232.376 ± 279.831 χ^2/NDF : 1.3/1

+ sign -153.904 ± 166.396 χ^2/NDF : 30.4/18

All: -282.986 ± 120.056 χ^2/NDF : 47.0/39

- sign -423.145 ± 173.388 χ^2/NDF : 15.3/20

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439 ± 0.161 $\chi^2/\text{NDF}: 533790.1/15$

Left Out: 341.728 ± 0.172 $\chi^2/\text{NDF}: 141823.7/2$

Right Out: 587.565 ± 0.156 $\chi^2/\text{NDF}: 689033.6/18$

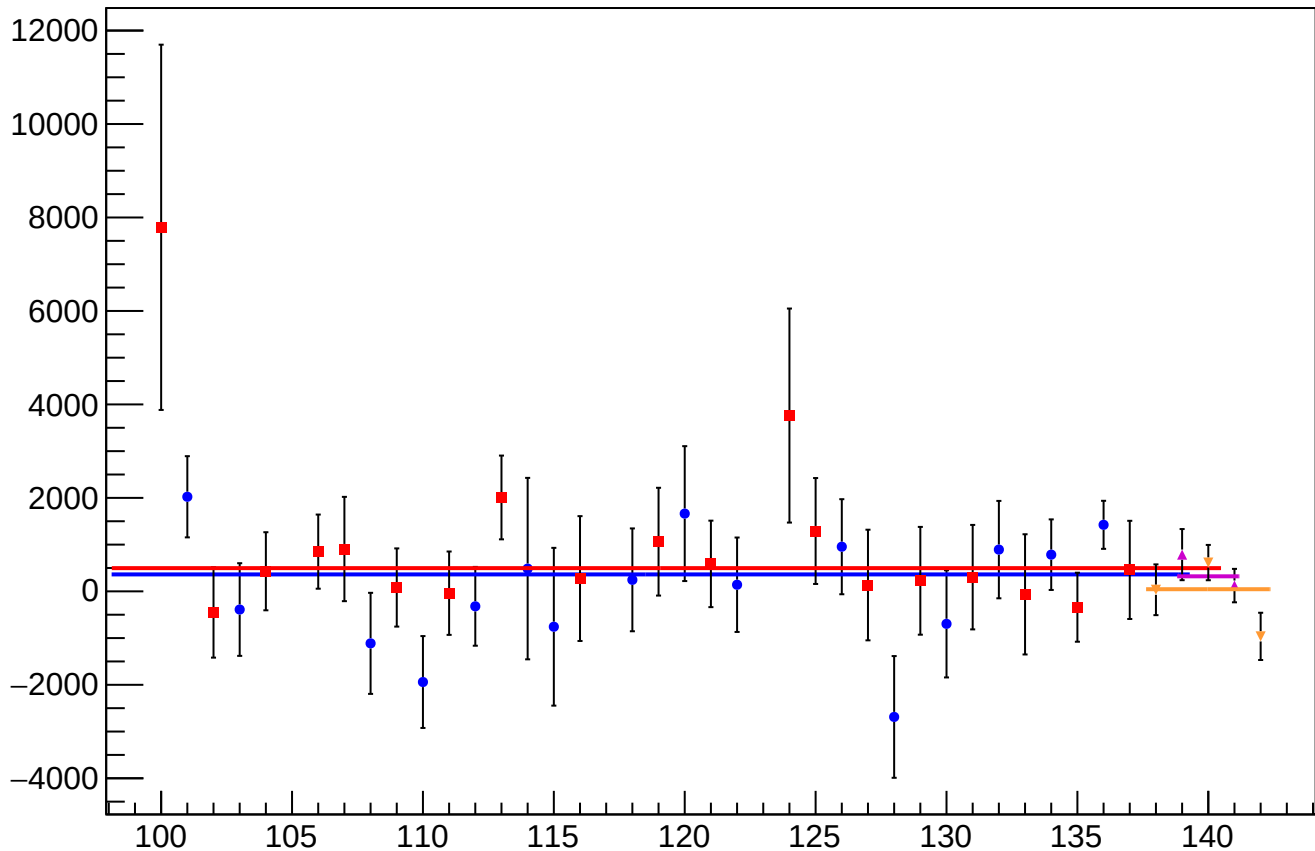
Left In: 358.286 ± 0.198 $\chi^2/\text{NDF}: 133796.7/1$

+ sign 478.176 ± 0.118 $\chi^2/\text{NDF}: 1851095.3/18$

All: 488.418 ± 0.085 $\chi^2/\text{NDF}: 3516905.8/39$

- sign 499.539 ± 0.123 $\chi^2/\text{NDF}: 1650005.9/20$

asym_sam_37_dd_mean vs Slug



Right In: 362.384 $\pm$ 240.303 χ^2 /NDF: 25.1/15

Left Out: 45.736 $\pm$ 264.393 χ^2 /NDF: 6.3/2

Right Out: 496.639 $\pm$ 236.029 χ^2 /NDF: 12.7/18

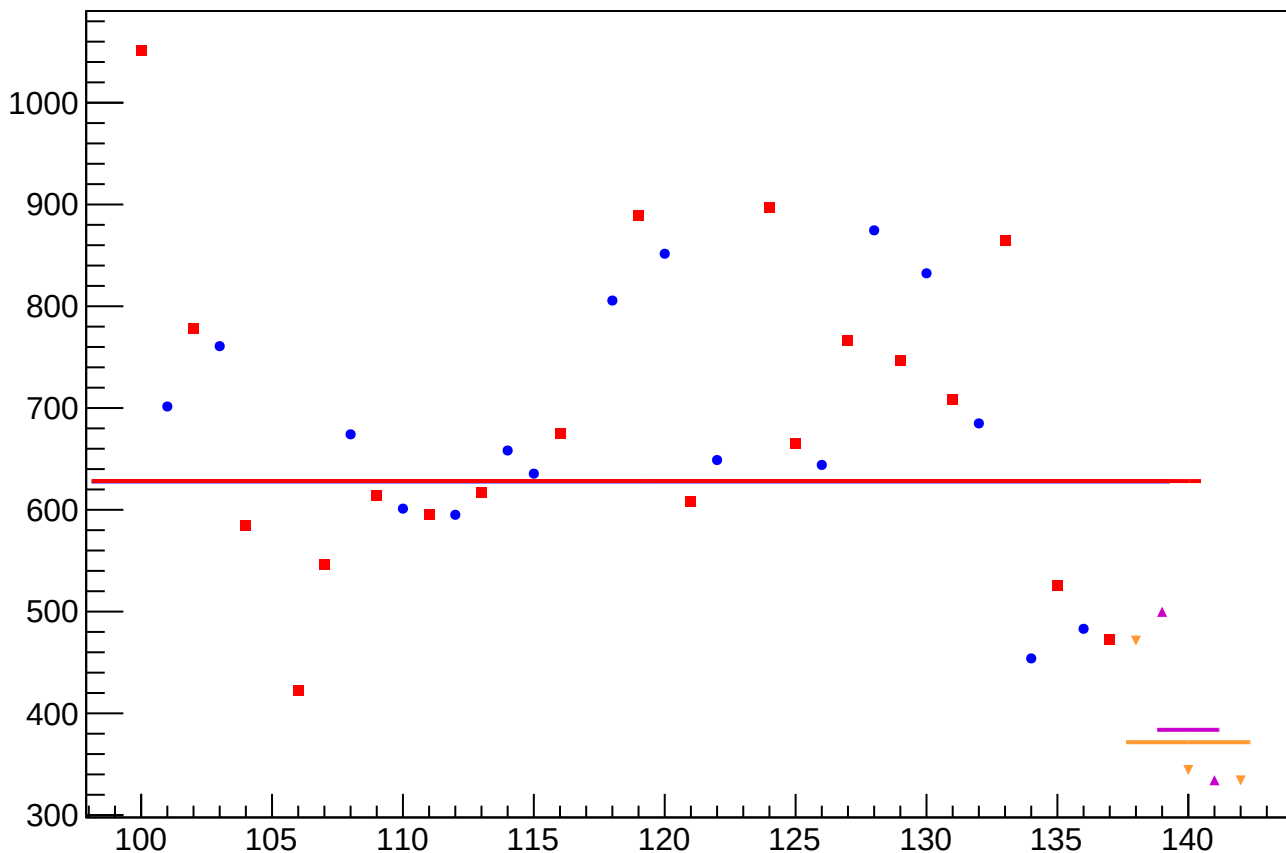
Left In: 321.617 $\pm$ 299.422 χ^2 /NDF: 1.0/1

+ sign 219.140 $\pm$ 177.828 χ^2 /NDF: 32.1/18

All: 319.988 $\pm$ 128.324 χ^2 /NDF: 46.7/39

- sign 429.563 $\pm$ 185.362 χ^2 /NDF: 13.9/20

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF : 566795.7/15

Left Out: 371.651+/-0.187 χ^2/NDF : 89004.2/2

Right Out: 628.250+/-0.167 χ^2/NDF : 570979.3/18

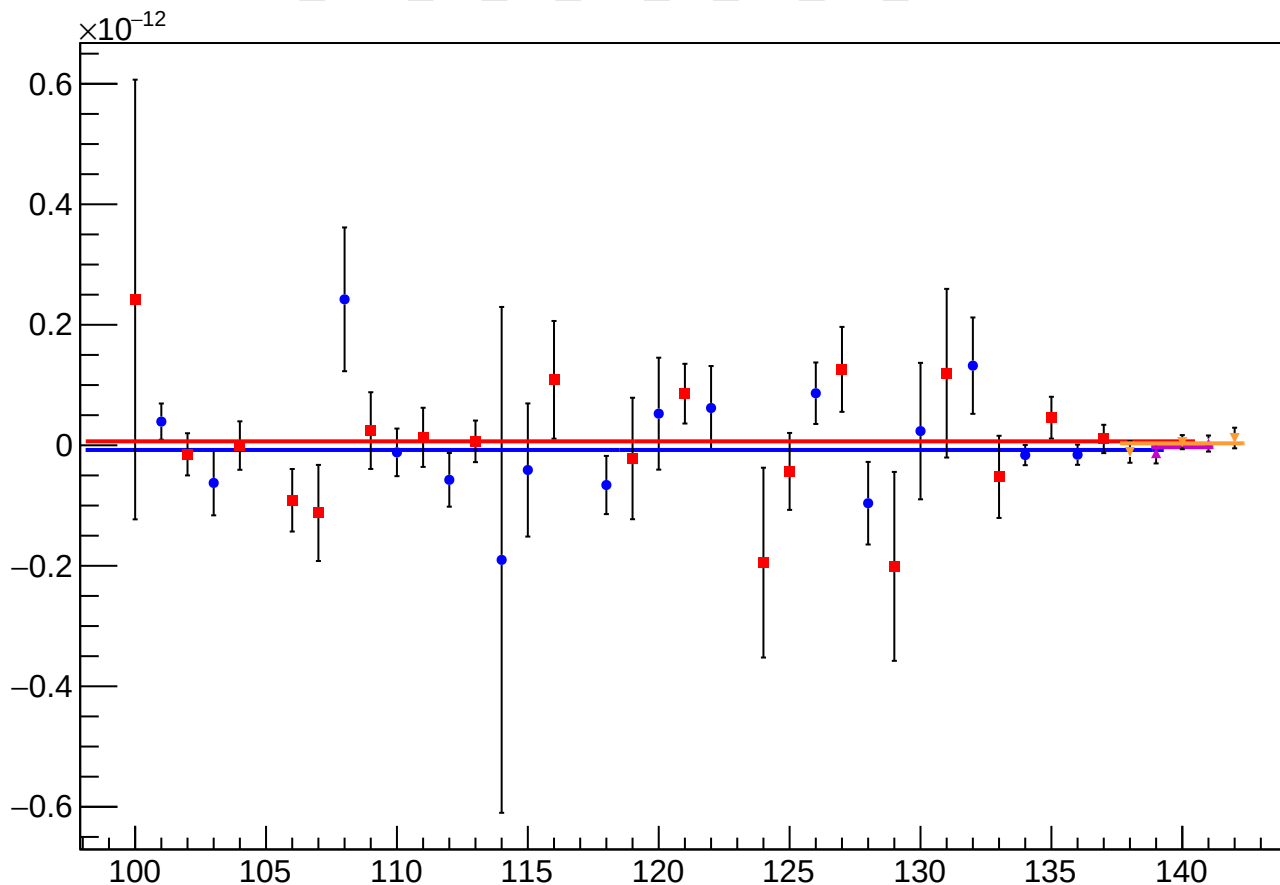
Left In: 383.829+/-0.212 χ^2/NDF : 128185.2/1

+ sign 511.976+/-0.126 χ^2/NDF : 1684583.2/18

All: 522.808+/-0.091 χ^2/NDF : 3221192.3/39

- sign 534.577+/-0.131 χ^2/NDF : 1521126.6/20

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: 0.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.0/18

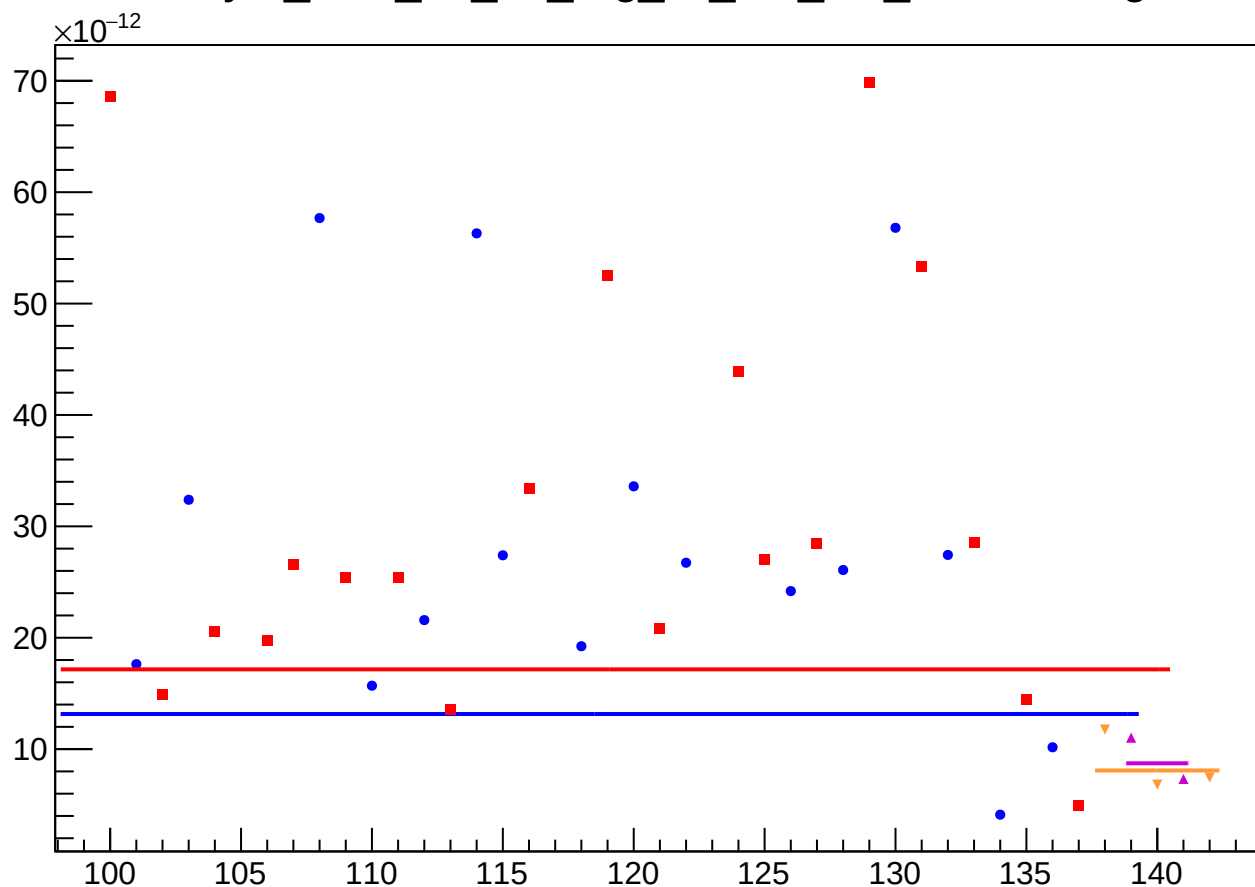
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.5/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 22.6/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.6/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/20

asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF :110036.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1646197.6/18

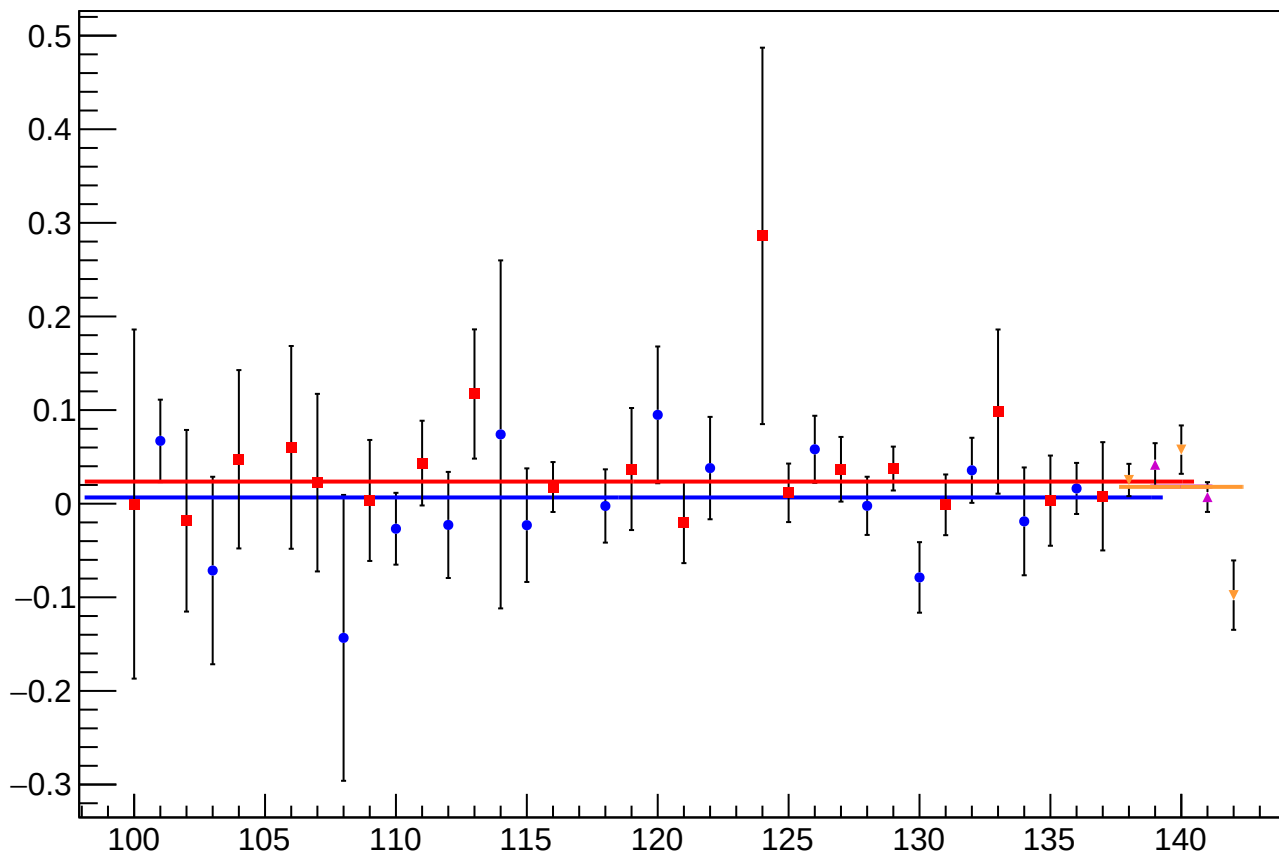
Left In: 0.000+/-0.000 χ^2/NDF :58456.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 2513431.4/18

All: 0.000+/-0.000 χ^2/NDF : 4896672.4/39

- sign 0.000+/-0.000 χ^2/NDF : 2288241.8/20

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.011 $\chi^2/\text{NDF}: 15.0/15$

Left Out: 0.018 ± 0.013 $\chi^2/\text{NDF}: 12.3/2$

Right Out: 0.024 ± 0.011 $\chi^2/\text{NDF}: 7.5/18$

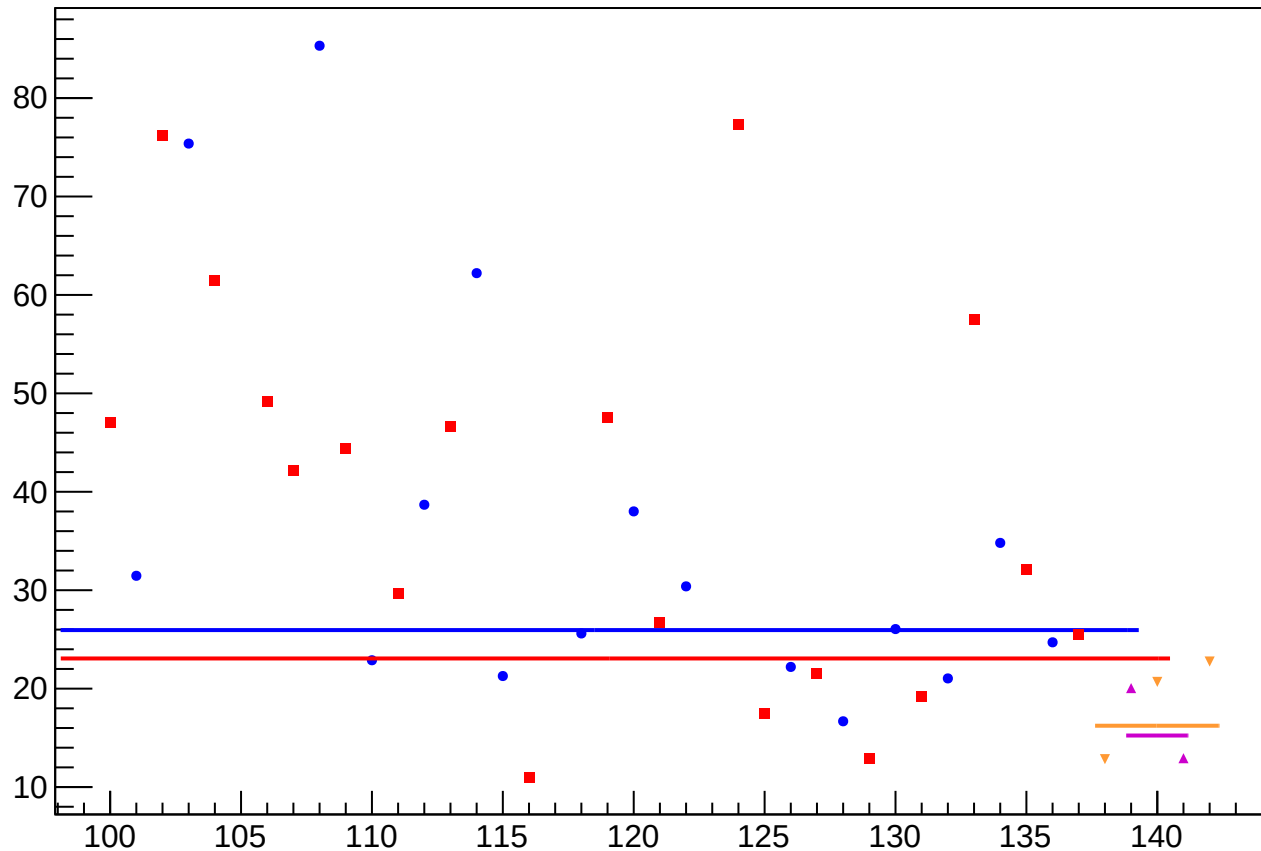
Left In: 0.018 ± 0.013 $\chi^2/\text{NDF}: 1.5/1$

+ sign 0.011 ± 0.009 $\chi^2/\text{NDF}: 27.7/18$

All: 0.017 ± 0.006 $\chi^2/\text{NDF}: 37.6/39$

- sign 0.022 ± 0.008 $\chi^2/\text{NDF}: 9.1/20$

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: 16.232 $\pm$ 0.009 χ^2/NDF : 198840.8/2

Right Out: 23.065 $\pm$ 0.007 χ^2/NDF : 3360857.8/18

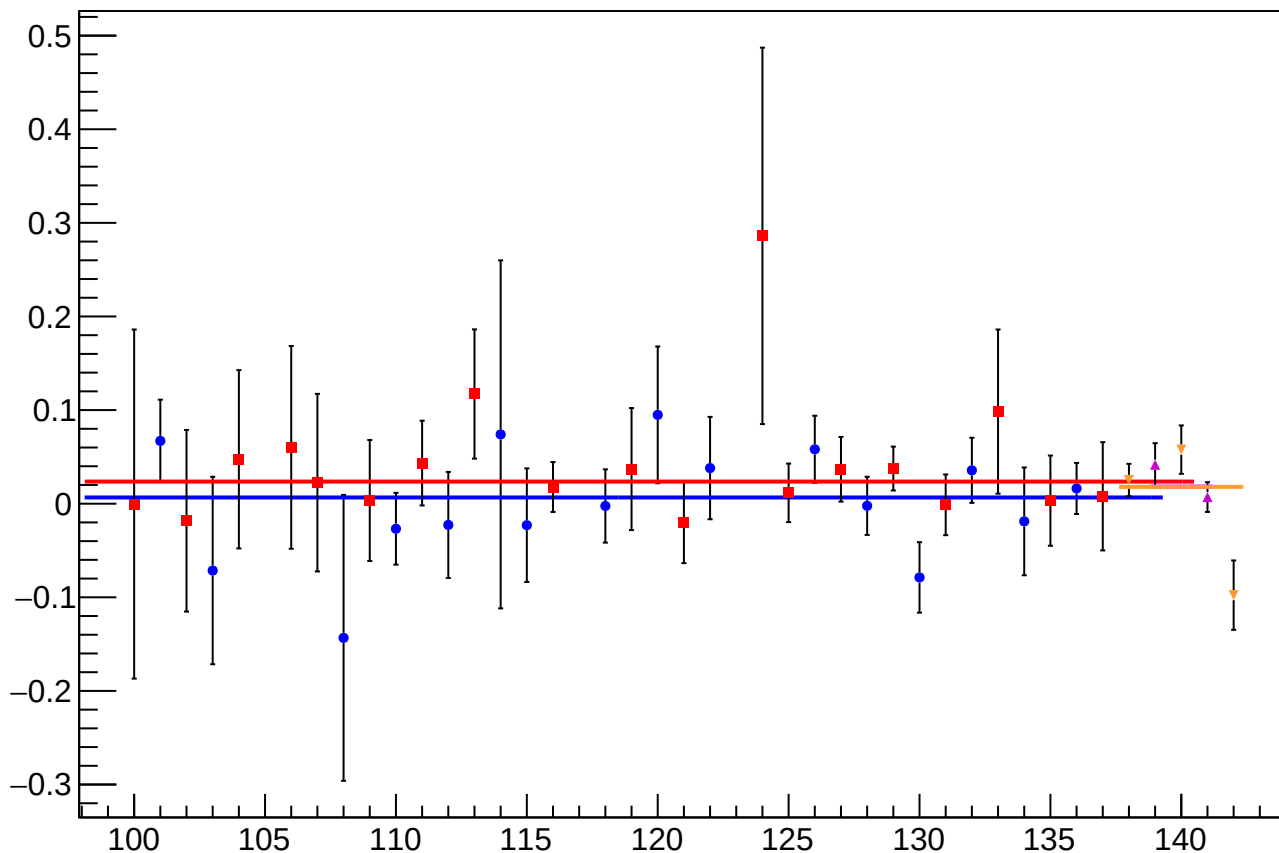
Left In: 15.236 $\pm$ 0.009 χ^2/NDF : 129755.0/1

+ sign 21.989 $\pm$ 0.006 χ^2/NDF : 2205203.1/18

All: 20.951 $\pm$ 0.004 χ^2/NDF : 6187997.4/39

- sign 19.997 $\pm$ 0.006 χ^2/NDF : 3926158.6/20

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.011 $\chi^2/\text{NDF}: 15.0/15$

Left Out: 0.018 ± 0.013 $\chi^2/\text{NDF}: 12.3/2$

Right Out: 0.024 ± 0.011 $\chi^2/\text{NDF}: 7.5/18$

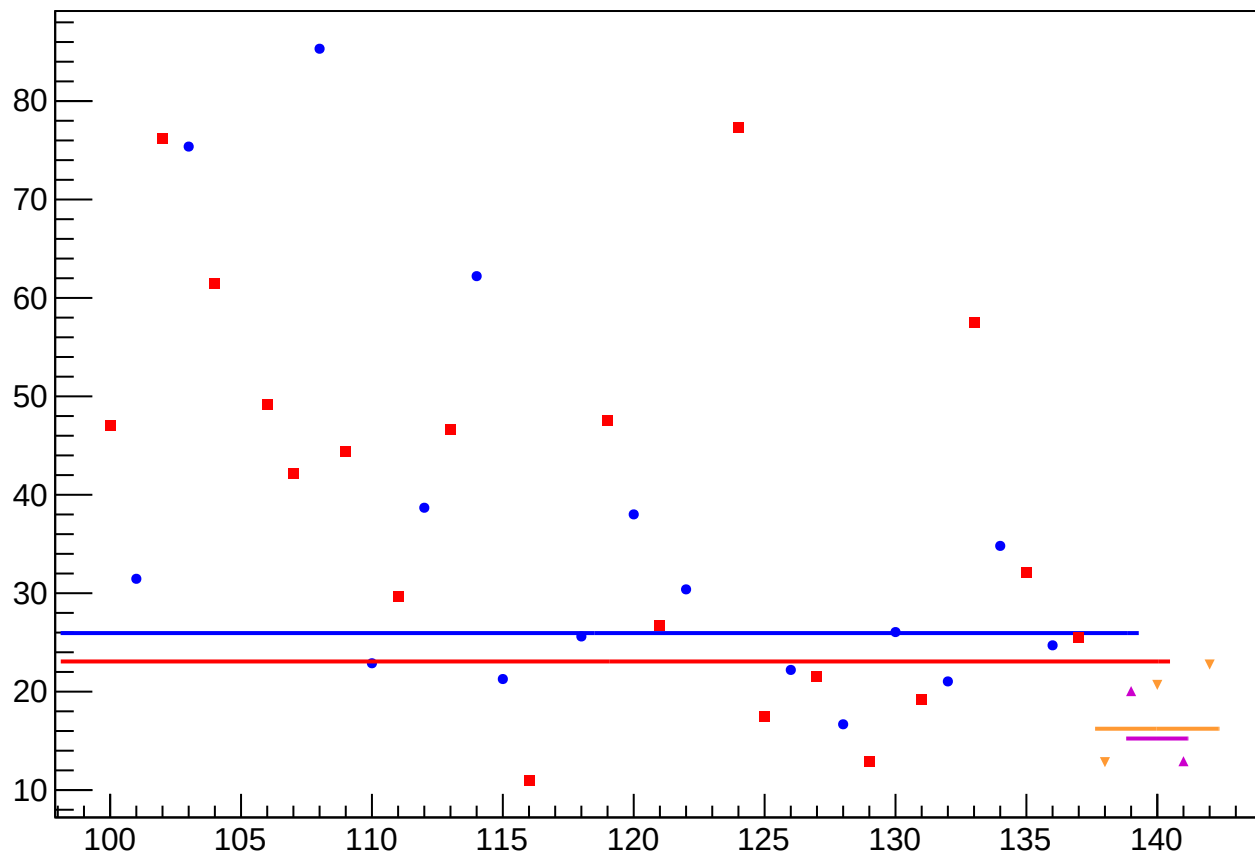
Left In: 0.018 ± 0.013 $\chi^2/\text{NDF}: 1.5/1$

+ sign 0.011 ± 0.009 $\chi^2/\text{NDF}: 27.7/18$

All: 0.017 ± 0.006 $\chi^2/\text{NDF}: 37.6/39$

- sign 0.022 ± 0.008 $\chi^2/\text{NDF}: 9.1/20$

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: 16.232 $\pm$ 0.009 χ^2 /NDF: 198840.8/2

Right Out: 23.065 $\pm$ 0.007 χ^2 /NDF: 3360857.8/18

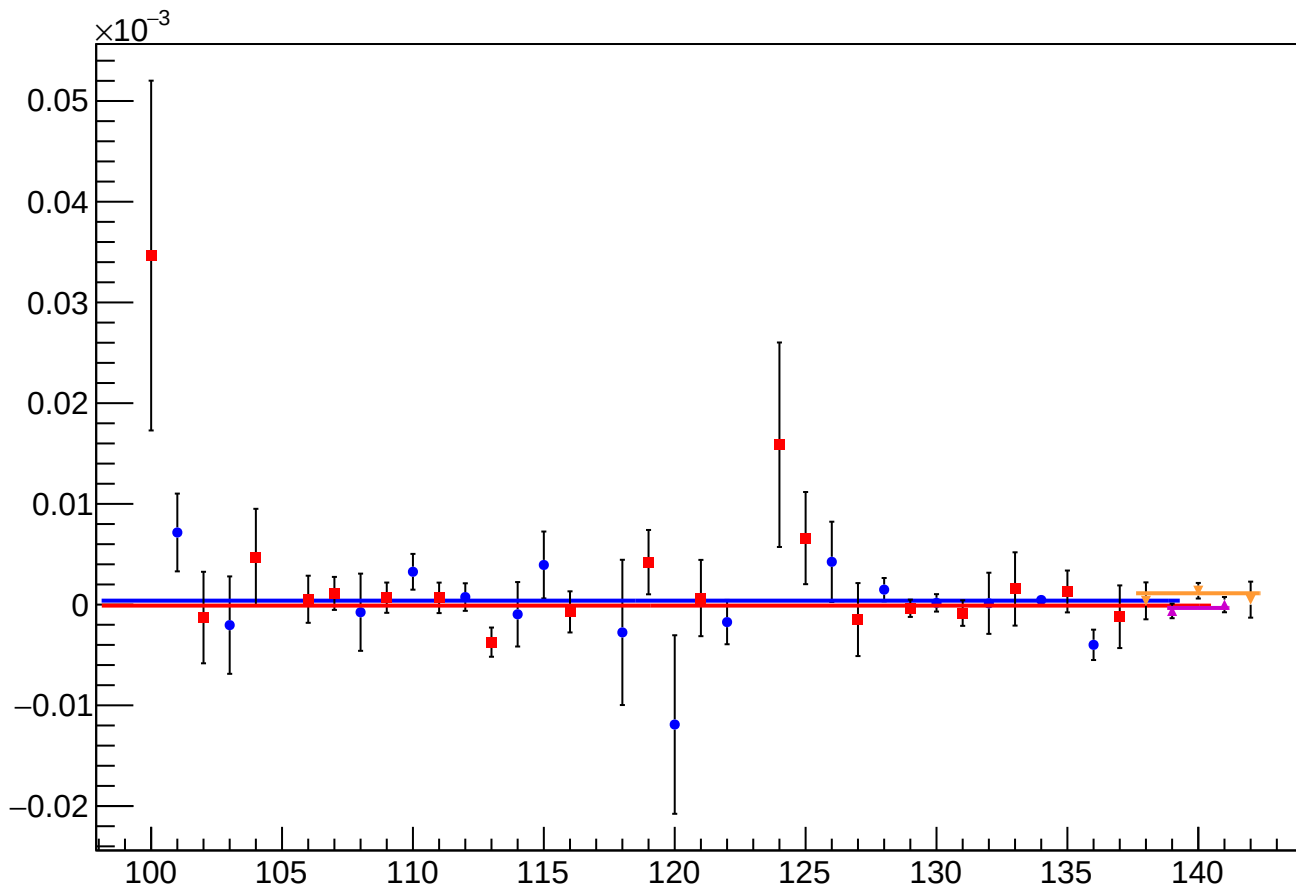
Left In: 15.236 $\pm$ 0.009 χ^2 /NDF: 129755.0/1

+ sign 21.989 $\pm$ 0.006 χ^2 /NDF: 2205203.1/18

All: 20.951 $\pm$ 0.004 χ^2 /NDF: 6187997.4/39

- sign 19.997 $\pm$ 0.006 χ^2 /NDF: 3926158.6/20

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: 0.4/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/18

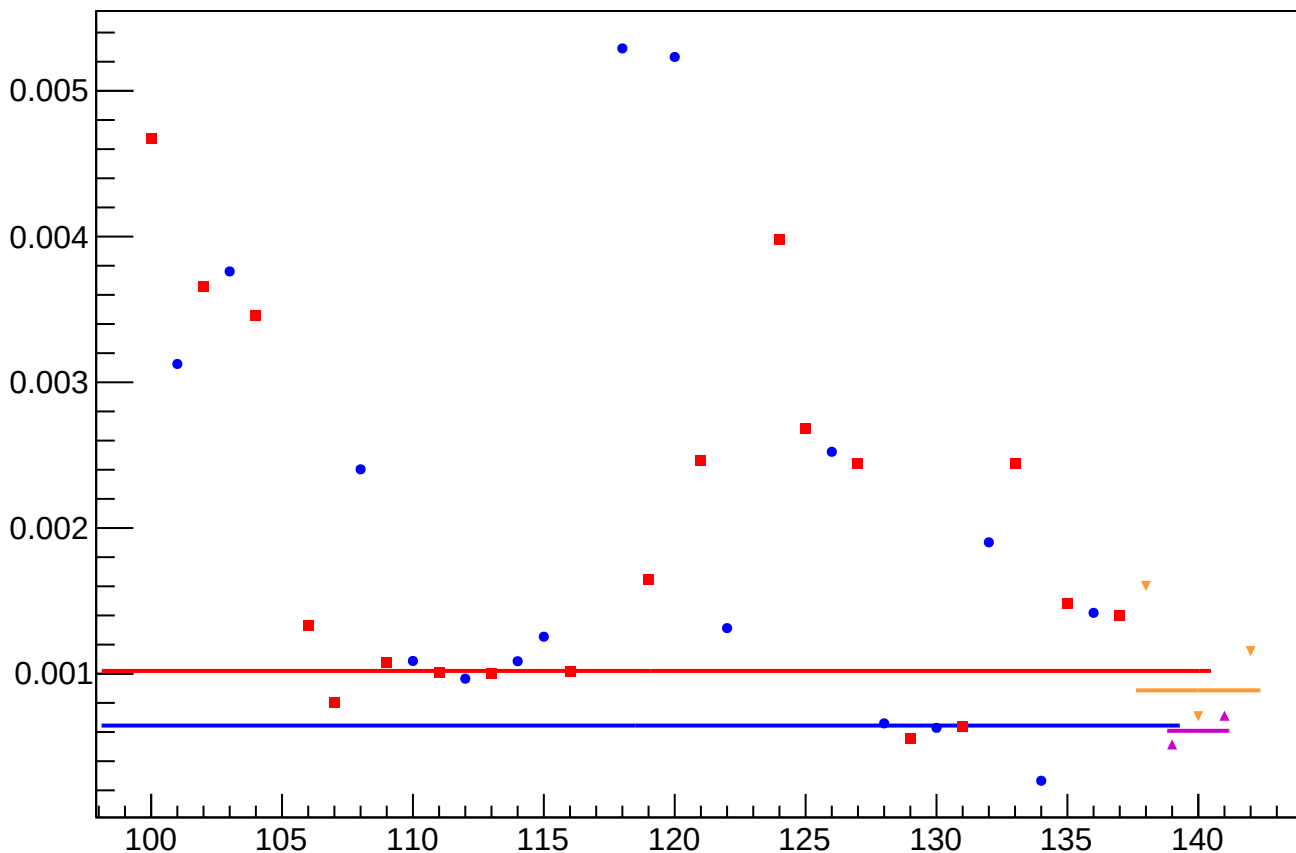
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 45.8/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/20

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: 0.001+/-0.000 χ^2/NDF : 455902.8/2

Right Out: 0.001+/-0.000 χ^2/NDF : 3662501.2/18

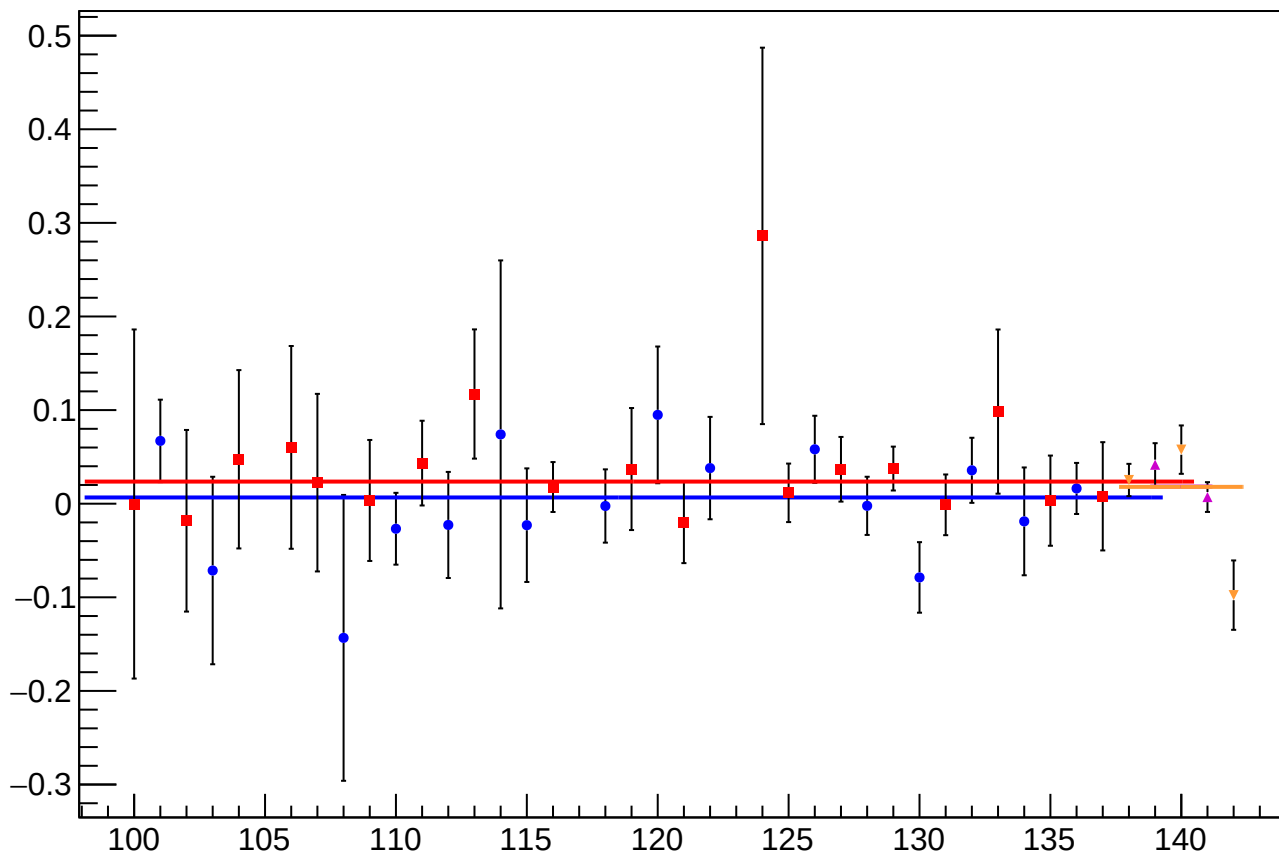
Left In: 0.001+/-0.000 χ^2/NDF : 71067.3/1

+ sign 0.001+/-0.000 χ^2/NDF : 7242363.1/18

All: 0.001+/-0.000 χ^2/NDF : 11900762.9/39

- sign 0.001+/-0.000 χ^2/NDF : 4443330.8/20

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: 0.018 ± 0.013 $\chi^2/\text{NDF}: 12.3/2$

Right Out: 0.024 ± 0.011 $\chi^2/\text{NDF}: 7.5/18$

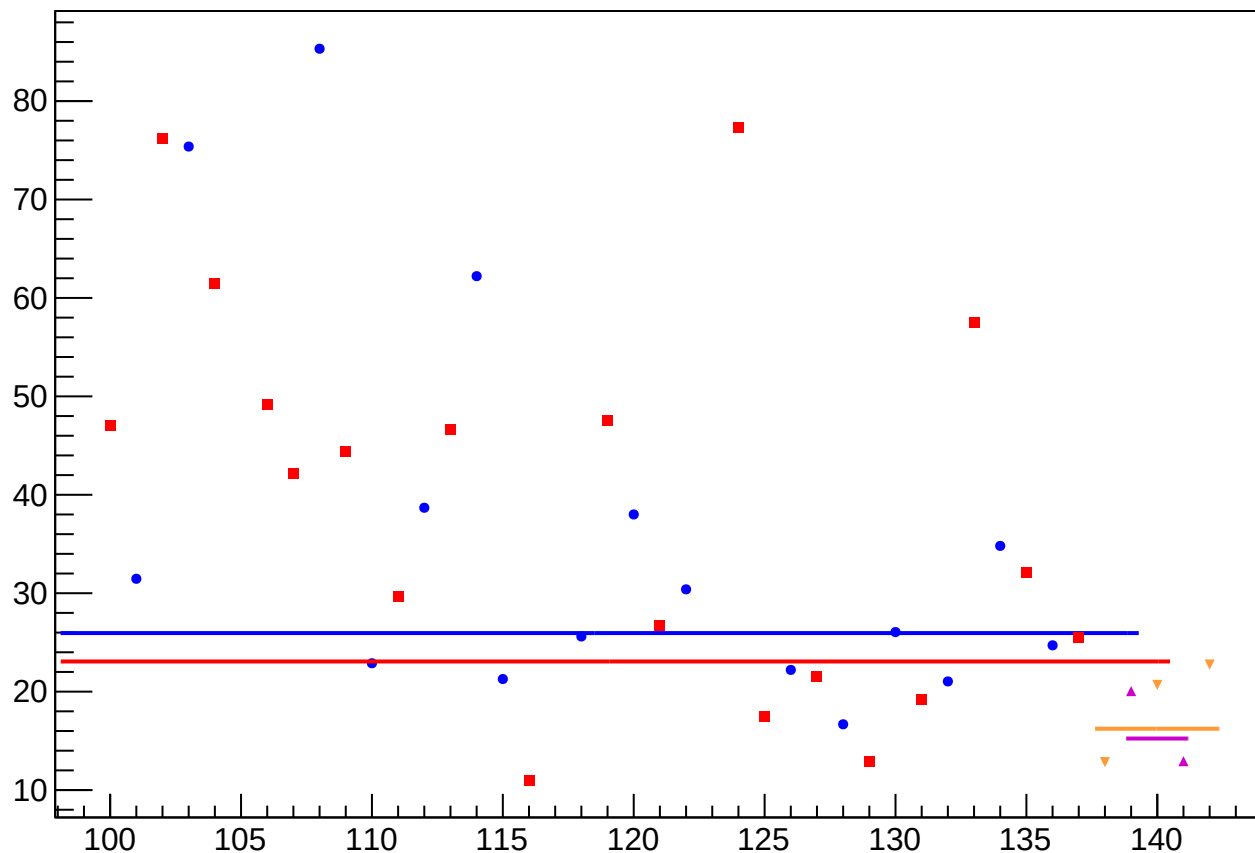
Left In: 0.018 ± 0.013 $\chi^2/\text{NDF}: 1.5/1$

+ sign 0.011 ± 0.009 $\chi^2/\text{NDF}: 27.7/18$

All: 0.017 ± 0.006 $\chi^2/\text{NDF}: 37.6/39$

- sign 0.022 ± 0.008 $\chi^2/\text{NDF}: 9.1/20$

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: 16.233 $\pm$ 0.009 χ^2/NDF : 198814.1/2

Right Out: 23.066 $\pm$ 0.007 χ^2/NDF : 3360688.5/18

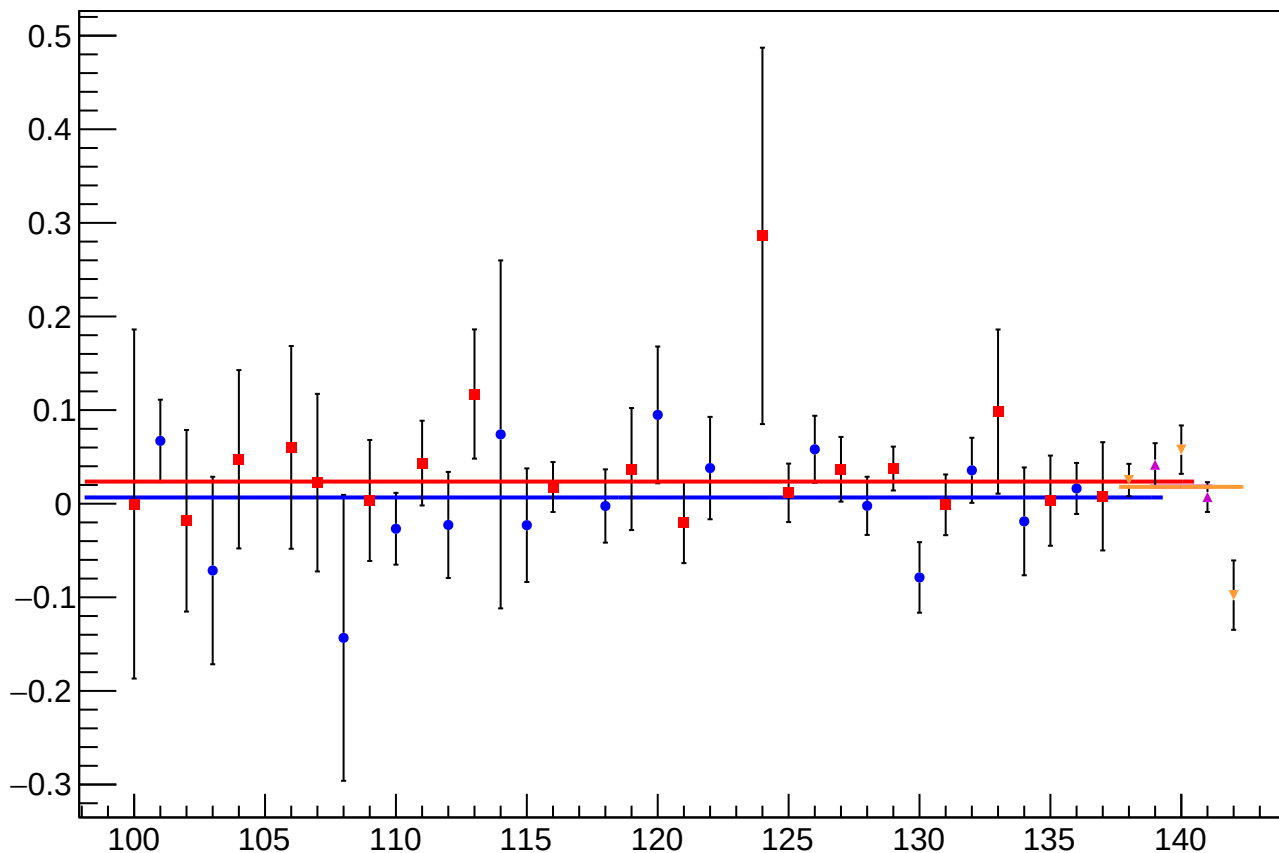
Left In: 15.237 $\pm$ 0.009 χ^2/NDF : 129722.8/1

+ sign 21.989 $\pm$ 0.006 χ^2/NDF : 2205068.7/18

All: 20.951 $\pm$ 0.004 χ^2/NDF : 6187682.4/39

- sign 19.998 $\pm$ 0.006 χ^2/NDF : 3925971.8/20

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: 0.018+/-0.013 χ^2/NDF : 12.3/2

Right Out: 0.024+/-0.011 χ^2/NDF : 7.5/18

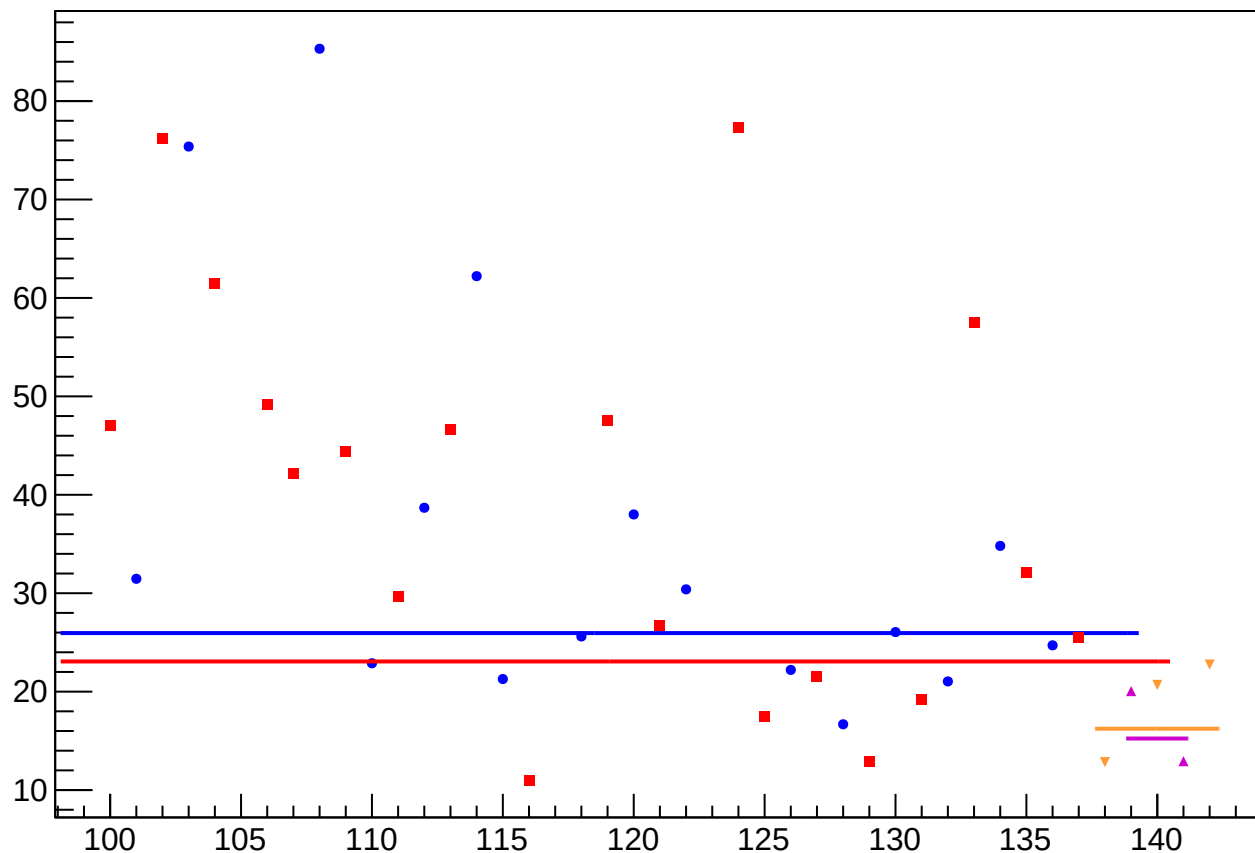
Left In: 0.018+/-0.013 χ^2/NDF : 1.5/1

+ sign 0.011+/-0.009 χ^2/NDF : 27.7/18

All: 0.017+/-0.006 χ^2/NDF : 37.6/39

- sign 0.022+/-0.008 χ^2/NDF : 9.1/20

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: 16.233 $\pm$ 0.009 χ^2 /NDF: 198814.1/2

Right Out: 23.066 $\pm$ 0.007 χ^2 /NDF: 3360688.5/18

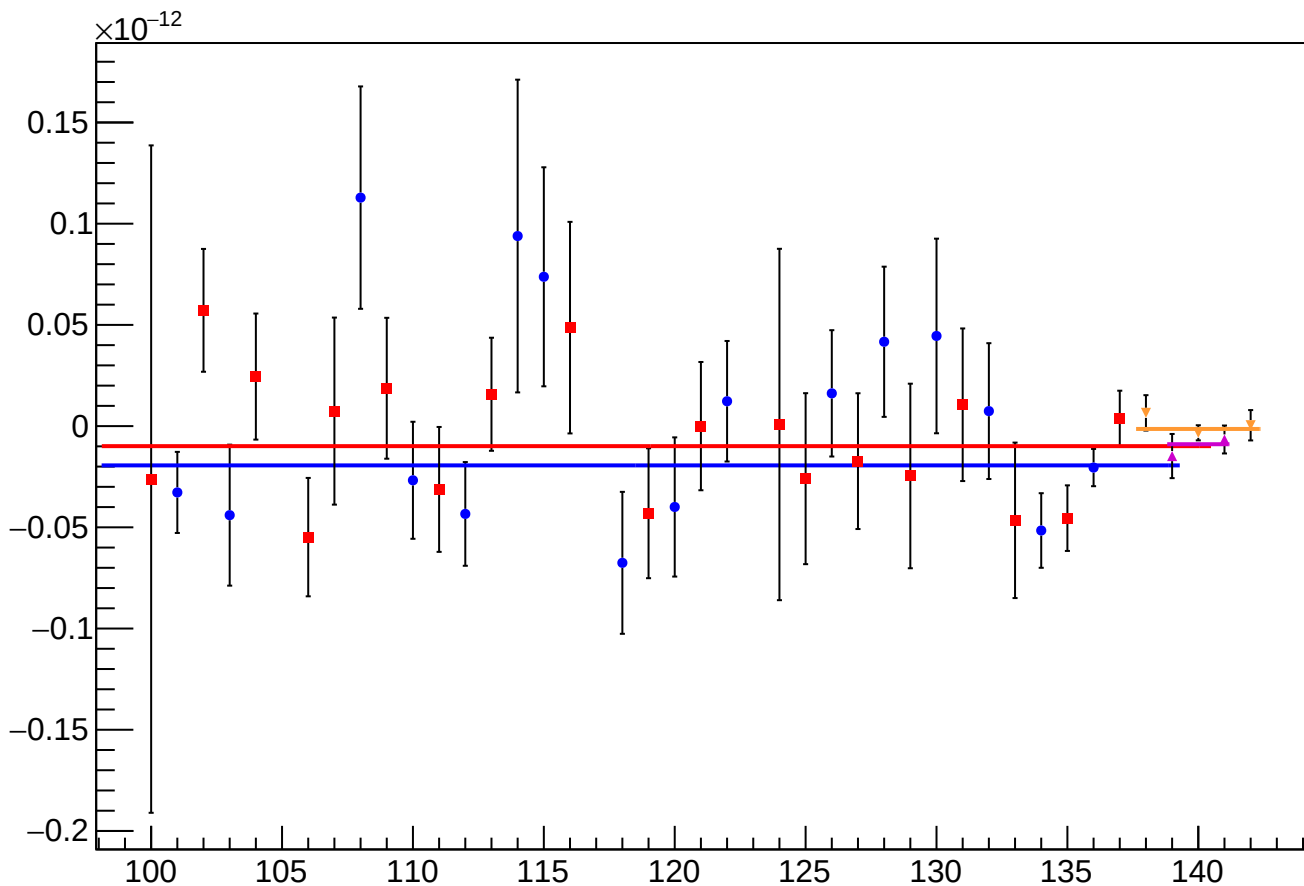
Left In: 15.237 $\pm$ 0.009 χ^2 /NDF: 129722.8/1

+ sign 21.989 $\pm$ 0.006 χ^2 /NDF: 2205068.7/18

All: 20.951 $\pm$ 0.004 χ^2 /NDF: 6187682.4/39

- sign 19.998 $\pm$ 0.006 χ^2 /NDF: 3925971.8/20

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 : 1.1/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.3/18

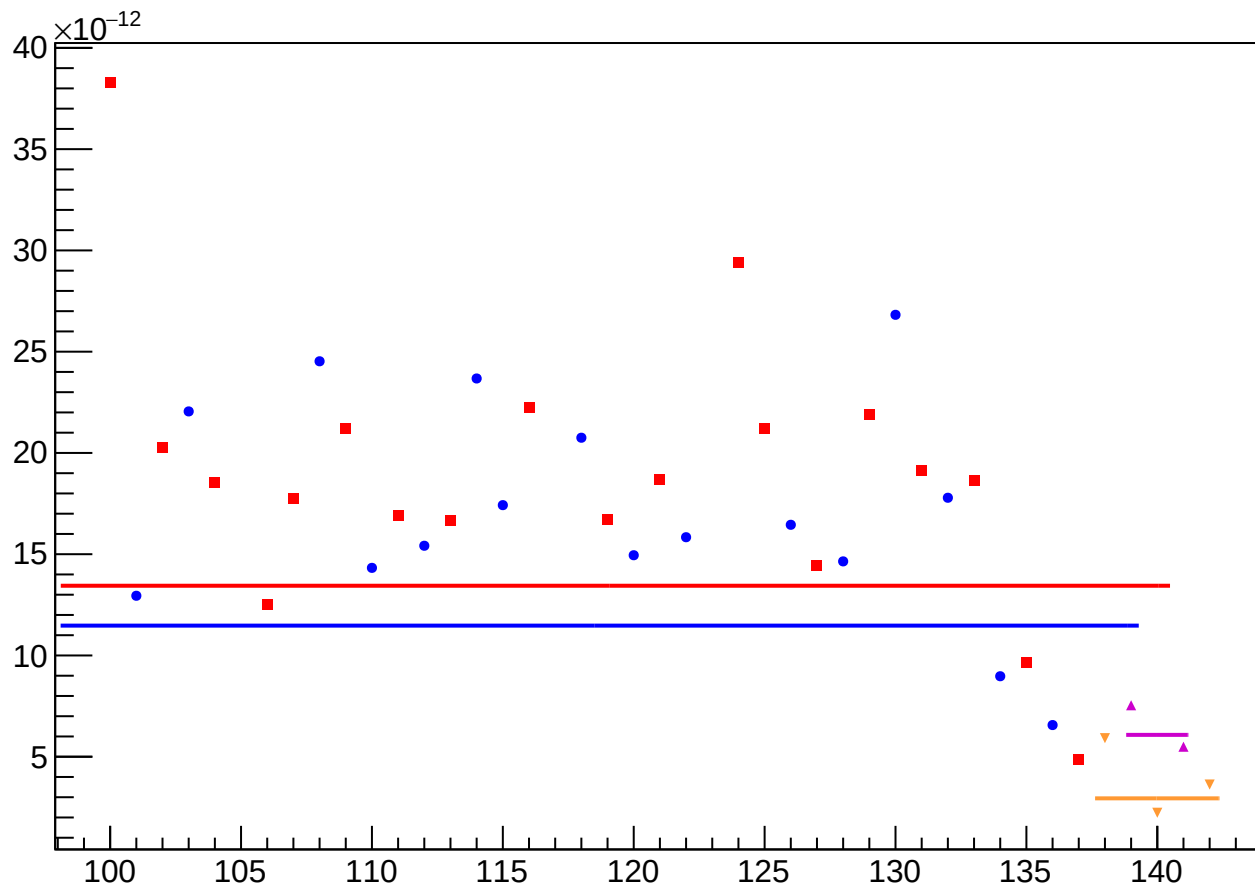
Left In: -0.000 ± 0.000 χ^2/NDF : 0.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 33.8/18

All: -0.000 ± 0.000 χ^2/NDF : 55.2/39

- sign -0.000 ± 0.000 χ^2/NDF : 20.7/20

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 : 320382.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1672848.8/18

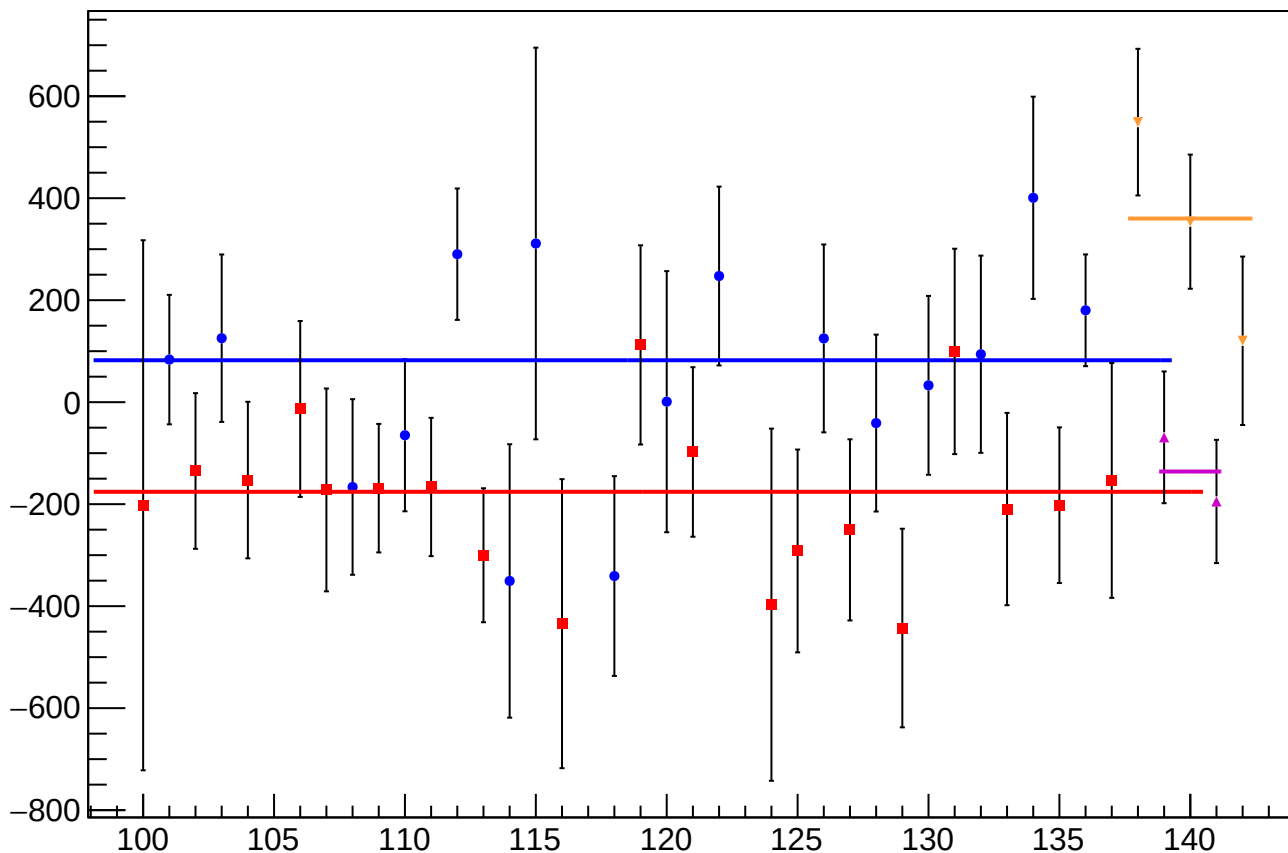
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 50281.8/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5073535.2/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 9618560.9/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3079957.5/20

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196 $\pm$ 42.133 χ^2 /NDF: 18.4/15

Left Out: 360.097 $\pm$ 83.661 χ^2 /NDF:3.8/2

Right Out: -175.732 $\pm$ 40.673 χ^2 /NDF: 9.9/18

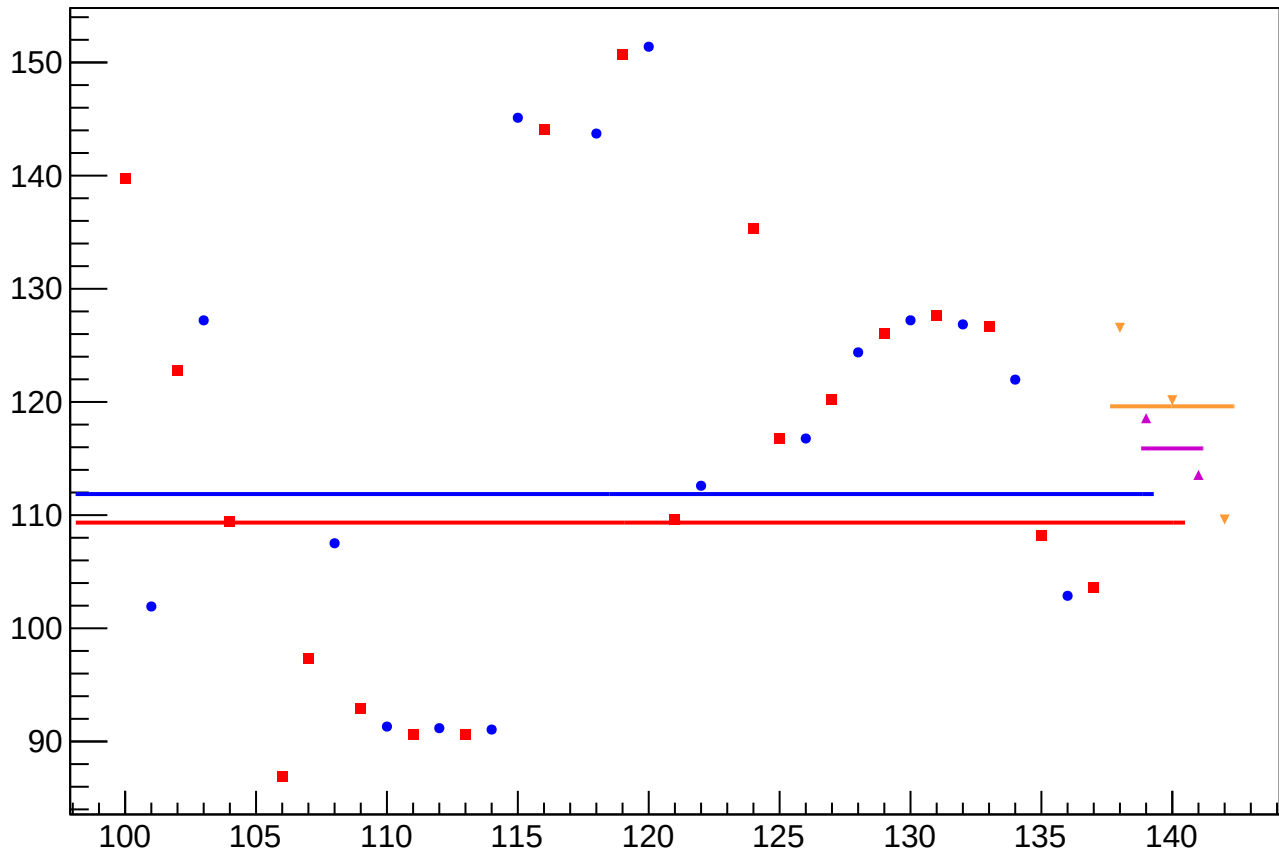
Left In: -135.996 $\pm$ 88.249 χ^2 /NDF:0.5/1

+ sign 138.420 $\pm$ 37.630 χ^2 /NDF: 31.0/18

All: -18.026 $\pm$ 26.361 χ^2 /NDF: 75.5/39

- sign -168.770 $\pm$ 36.938 χ^2 /NDF: 10.5/20

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862 $\pm$ 0.030 χ^2 /NDF: 306023.8/15

Left Out: 119.614 $\pm$ 0.059 χ^2 /NDF:12029.5/2

Right Out: 109.340 $\pm$ 0.029 χ^2 /NDF: 367219.9/18

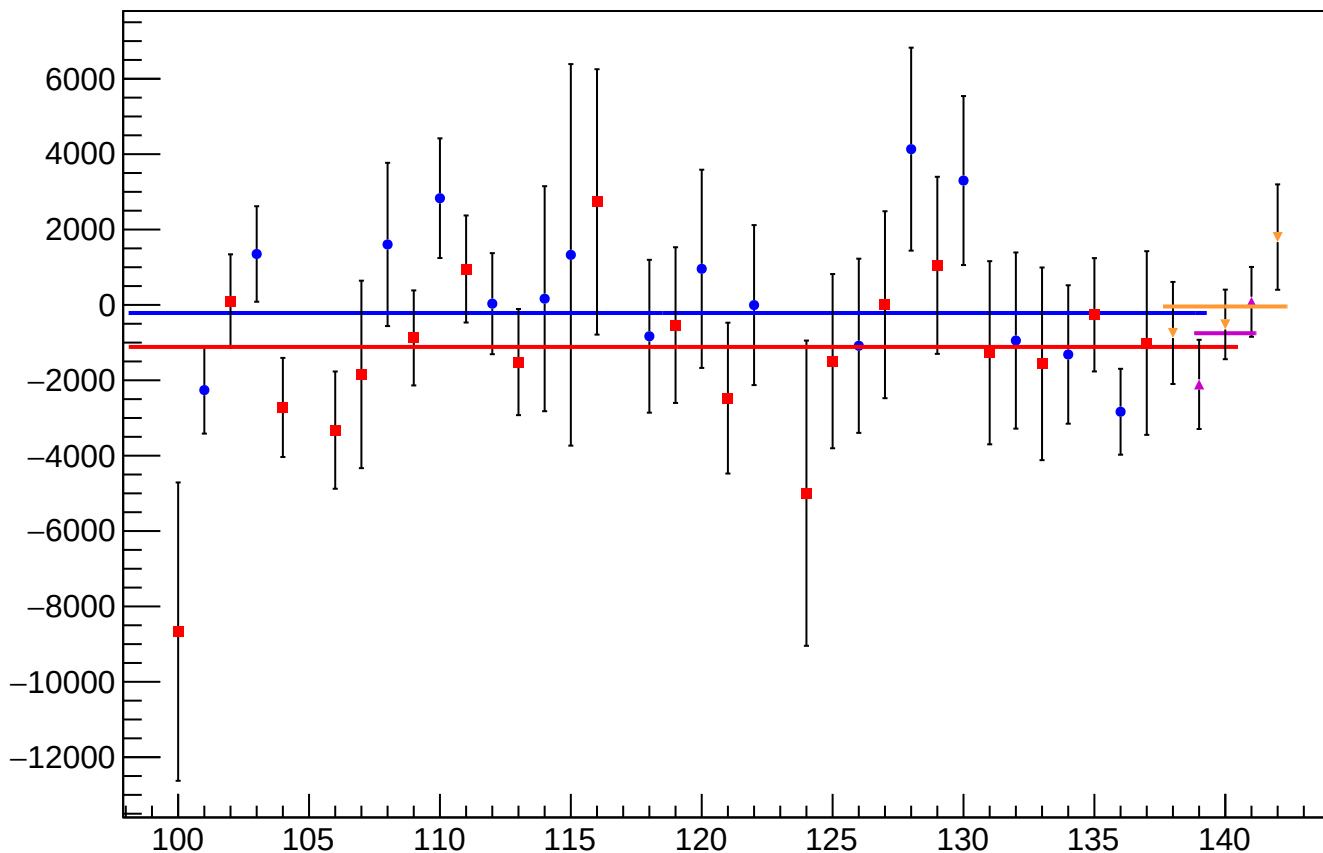
Left In: 115.895 $\pm$ 0.062 χ^2 /NDF:1606.7/1

+ sign 113.430 $\pm$ 0.027 χ^2 /NDF: 331749.0/18

All: 111.932 $\pm$ 0.019 χ^2 /NDF: 715899.8/39

- sign 110.489 $\pm$ 0.026 χ^2 /NDF: 377926.5/20

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187 ± 443.962 χ^2/NDF : 20.4/15

Left Out: -41.556 ± 669.527 χ^2/NDF : 2.3/2

Right Out: -1114.700 ± 423.039 χ^2/NDF : 14.5/18

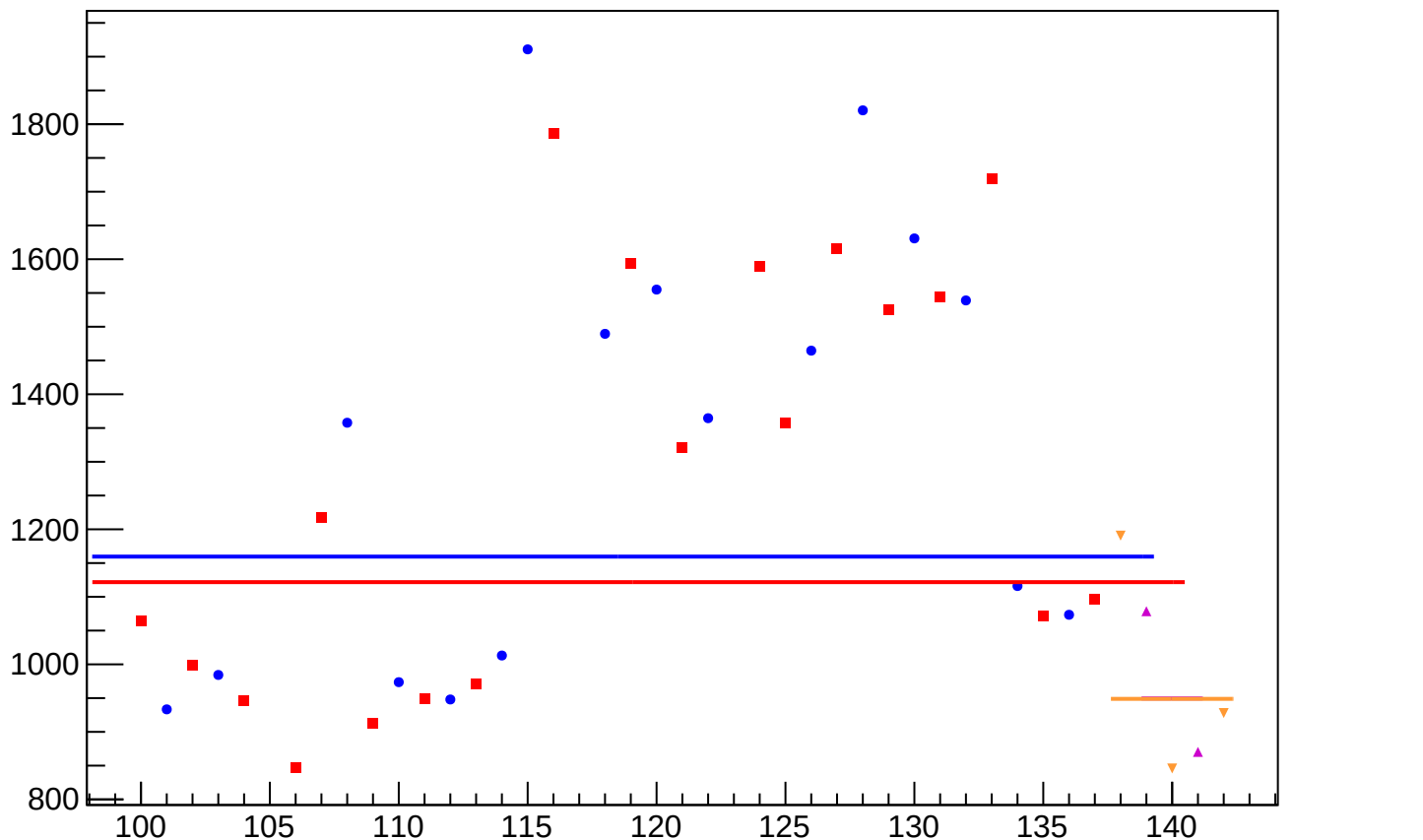
Left In: -750.548 ± 729.501 χ^2/NDF : 2.1/1

+ sign -161.464 ± 370.007 χ^2/NDF : 22.8/18

All: -597.002 ± 260.191 χ^2/NDF : 42.3/39

- sign -1023.059 ± 365.957 χ^2/NDF : 16.8/20

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF : 683693.3/15

Left Out: 948.894+/-0.473 χ^2/NDF : 89141.9/2

Right Out: 1121.752+/-0.299 χ^2/NDF : 782273.3/18

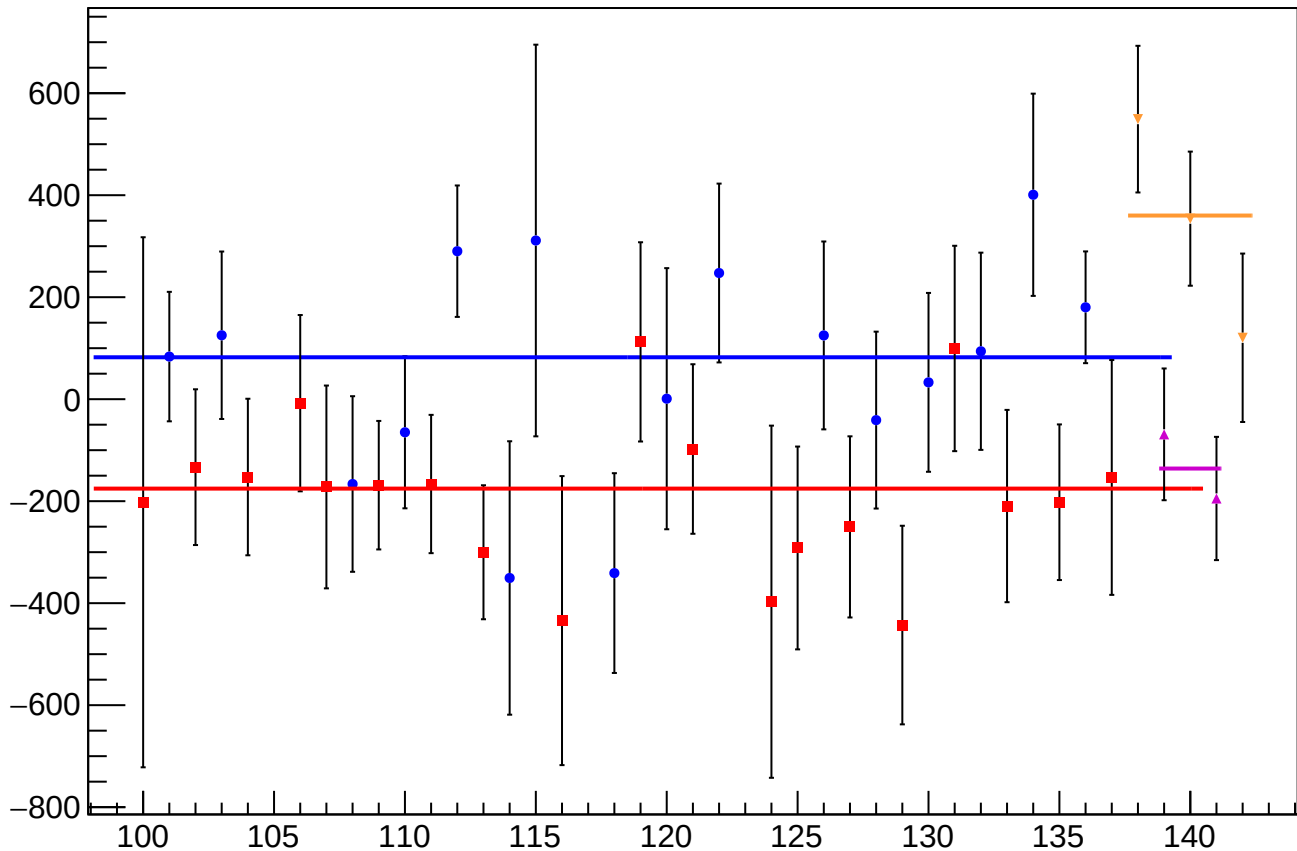
Left In: 949.483+/-0.516 χ^2/NDF : 38432.3/1

+ sign 1095.225+/-0.262 χ^2/NDF : 910377.8/18

All: 1086.720+/-0.184 χ^2/NDF : 1816637.2/39

- sign 1078.399+/-0.259 χ^2/NDF : 904168.6/20

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185 ± 42.133 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 360.106 ± 83.661 $\chi^2/\text{NDF}: 3.8/2$

Right Out: -175.338 ± 40.678 $\chi^2/\text{NDF}: 9.9/18$

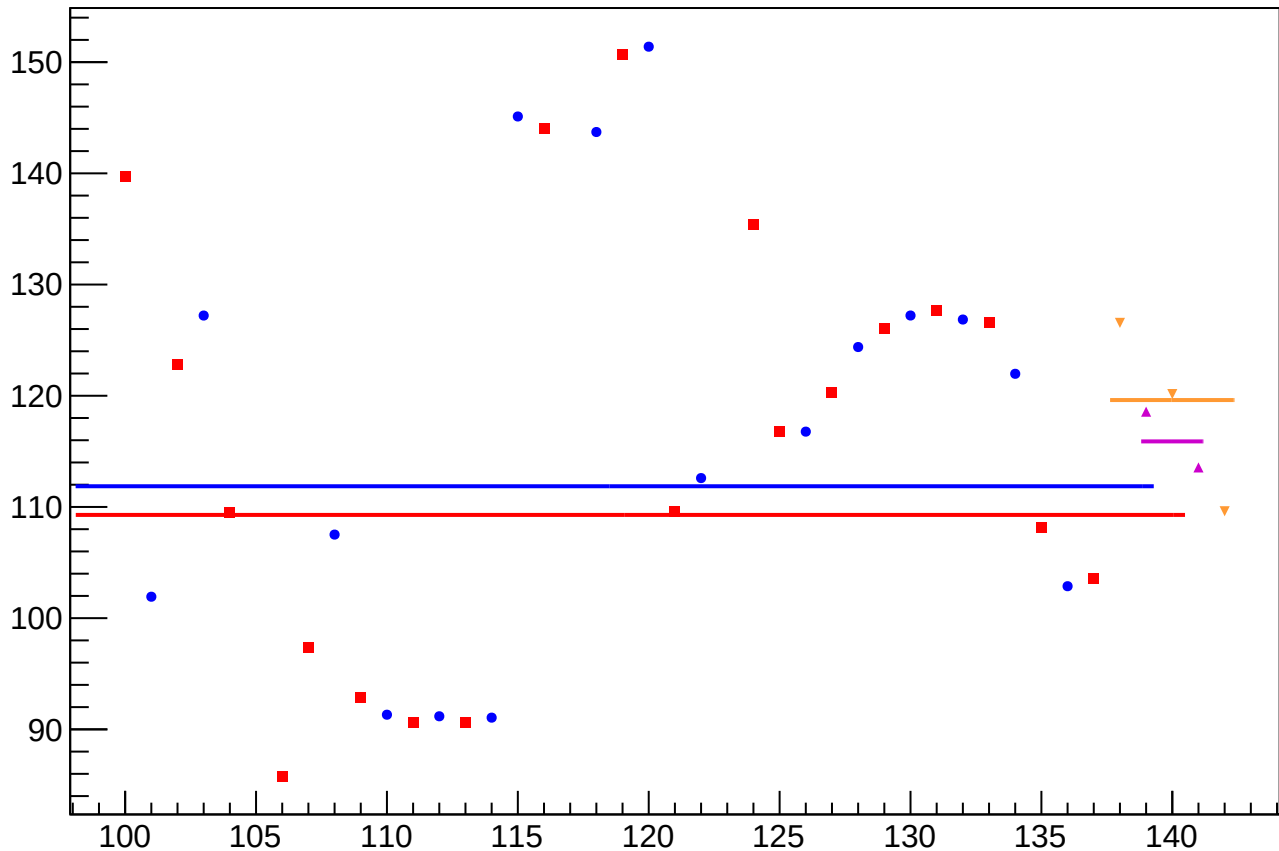
Left In: -136.008 ± 88.249 $\chi^2/\text{NDF}: 0.5/1$

+ sign 138.412 ± 37.630 $\chi^2/\text{NDF}: 31.0/18$

All: -17.848 ± 26.362 $\chi^2/\text{NDF}: 75.5/39$

- sign -168.446 ± 36.942 $\chi^2/\text{NDF}: 10.6/20$

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862 $\pm$ 0.030 χ^2 /NDF: 306025.0/15

Left Out: 119.614 $\pm$ 0.059 χ^2 /NDF:12029.5/2

Right Out: 109.284 $\pm$ 0.029 χ^2 /NDF: 370711.7/18

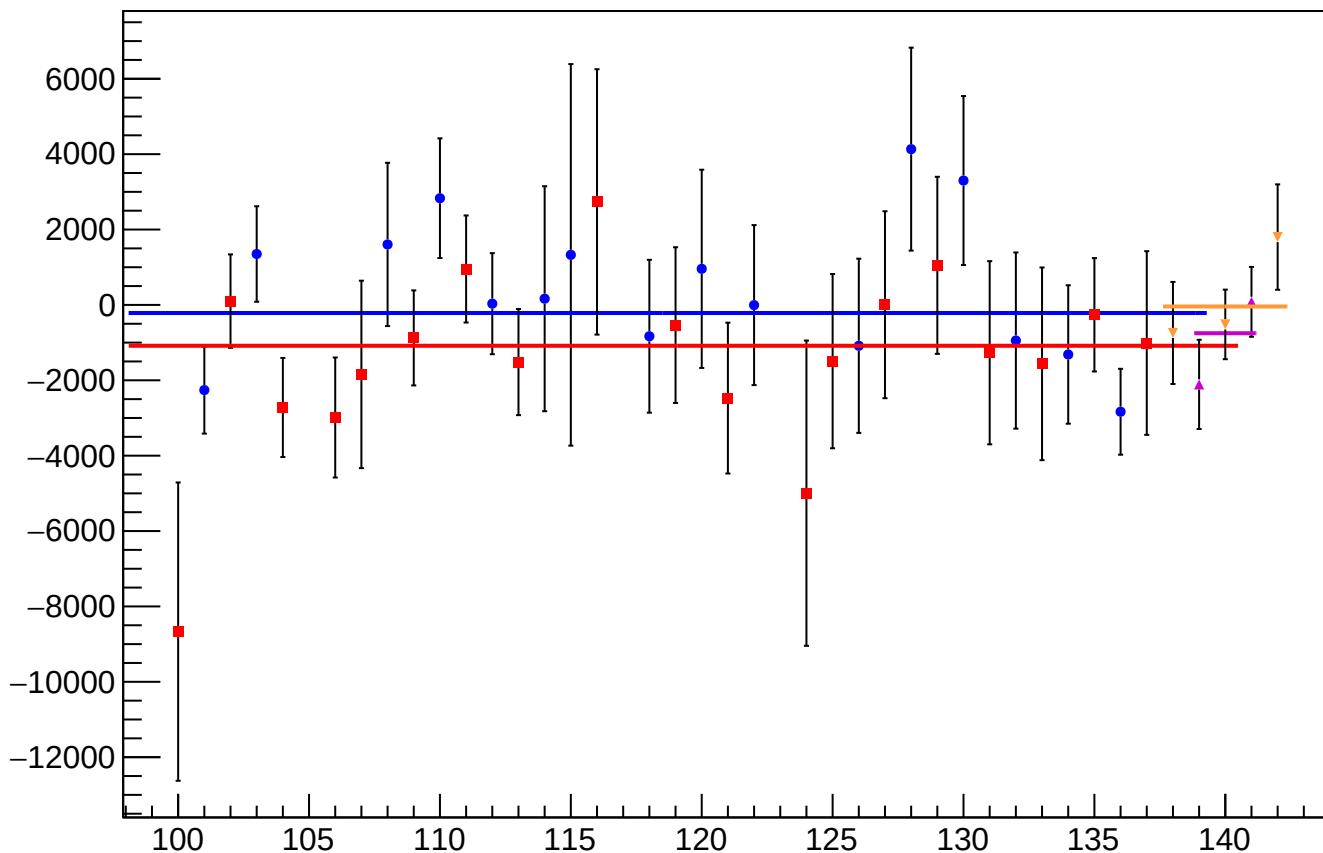
Left In: 115.895 $\pm$ 0.062 χ^2 /NDF:1606.7/1

+ sign 113.430 $\pm$ 0.027 χ^2 /NDF: 331750.1/18

All: 111.909 $\pm$ 0.019 χ^2 /NDF: 719744.4/39

- sign 110.443 $\pm$ 0.026 χ^2 /NDF: 381574.3/20

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF : 20.4/15

Left Out: -41.545+/-669.526 χ^2/NDF : 2.3/2

Right Out: -1083.943+/-423.774 χ^2/NDF : 13.9/18

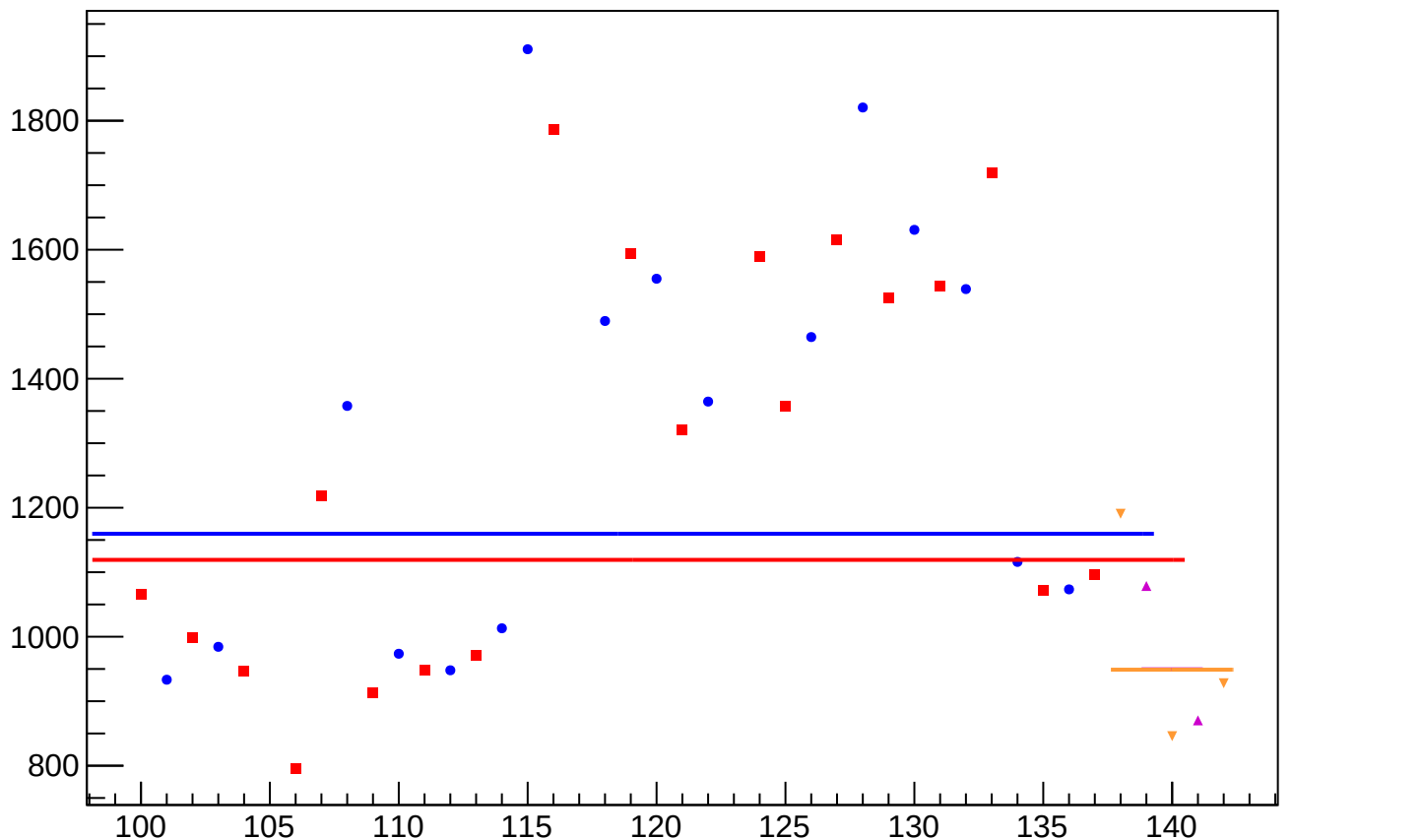
Left In: -750.574+/-729.501 χ^2/NDF : 2.1/1

+ sign -161.523+/-370.009 χ^2/NDF : 22.8/18

All: -584.746+/-260.362 χ^2/NDF : 41.5/39

- sign -999.830+/-366.433 χ^2/NDF : 16.2/20

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF : 683662.2/15

Left Out: 948.893+/-0.473 χ^2/NDF : 89142.1/2

Right Out: 1119.156+/-0.300 χ^2/NDF : 803154.6/18

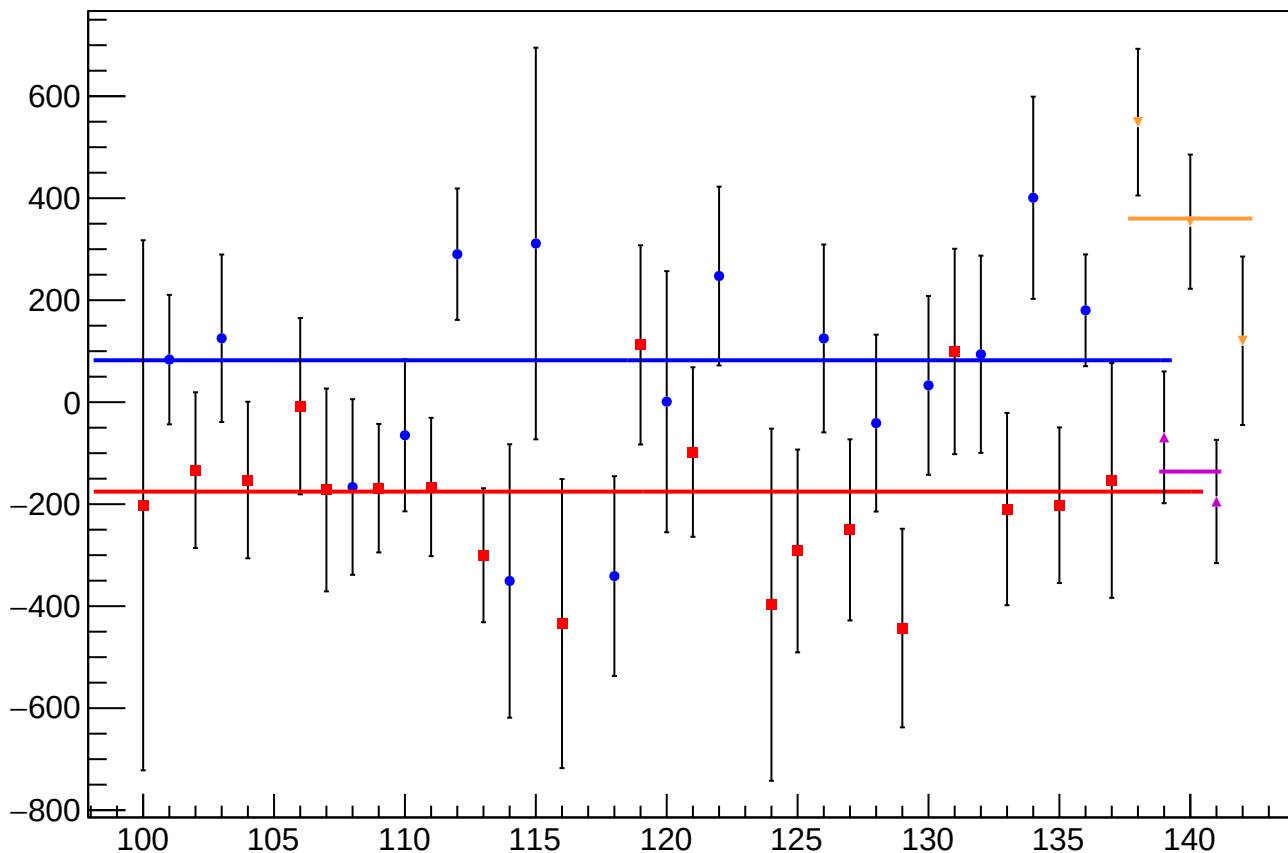
Left In: 949.483+/-0.516 χ^2/NDF : 38431.6/1

+ sign 1095.231+/-0.262 χ^2/NDF : 910360.5/18

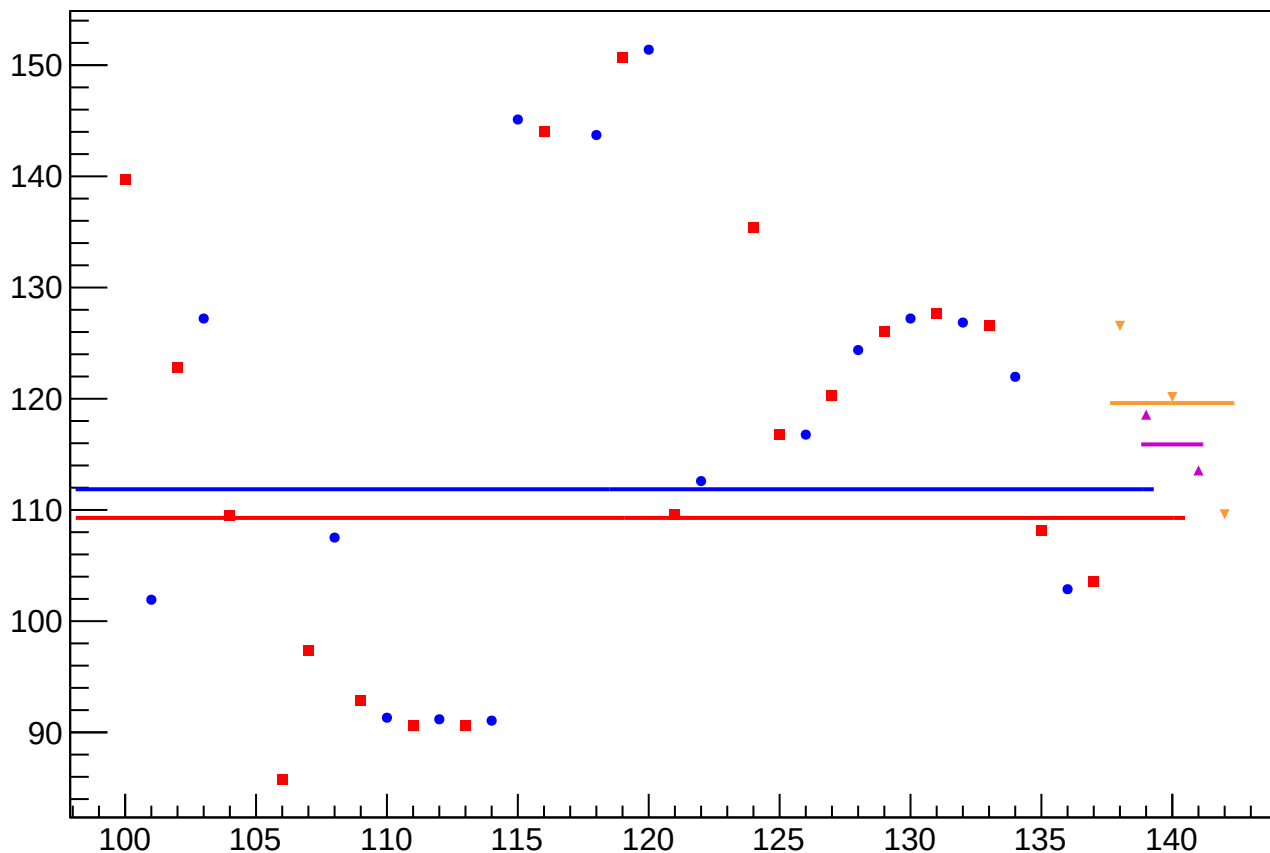
All: 1085.696+/-0.184 χ^2/NDF : 1835472.5/39

- sign 1076.345+/-0.259 χ^2/NDF : 922481.5/20

eigen_cor_asym_sam_48_dd_mean vs Slug



eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF : 306025.0/15

Left Out: 119.614+/-0.059 χ^2/NDF :12029.5/2

Right Out: 109.284+/-0.029 χ^2/NDF : 370711.7/18

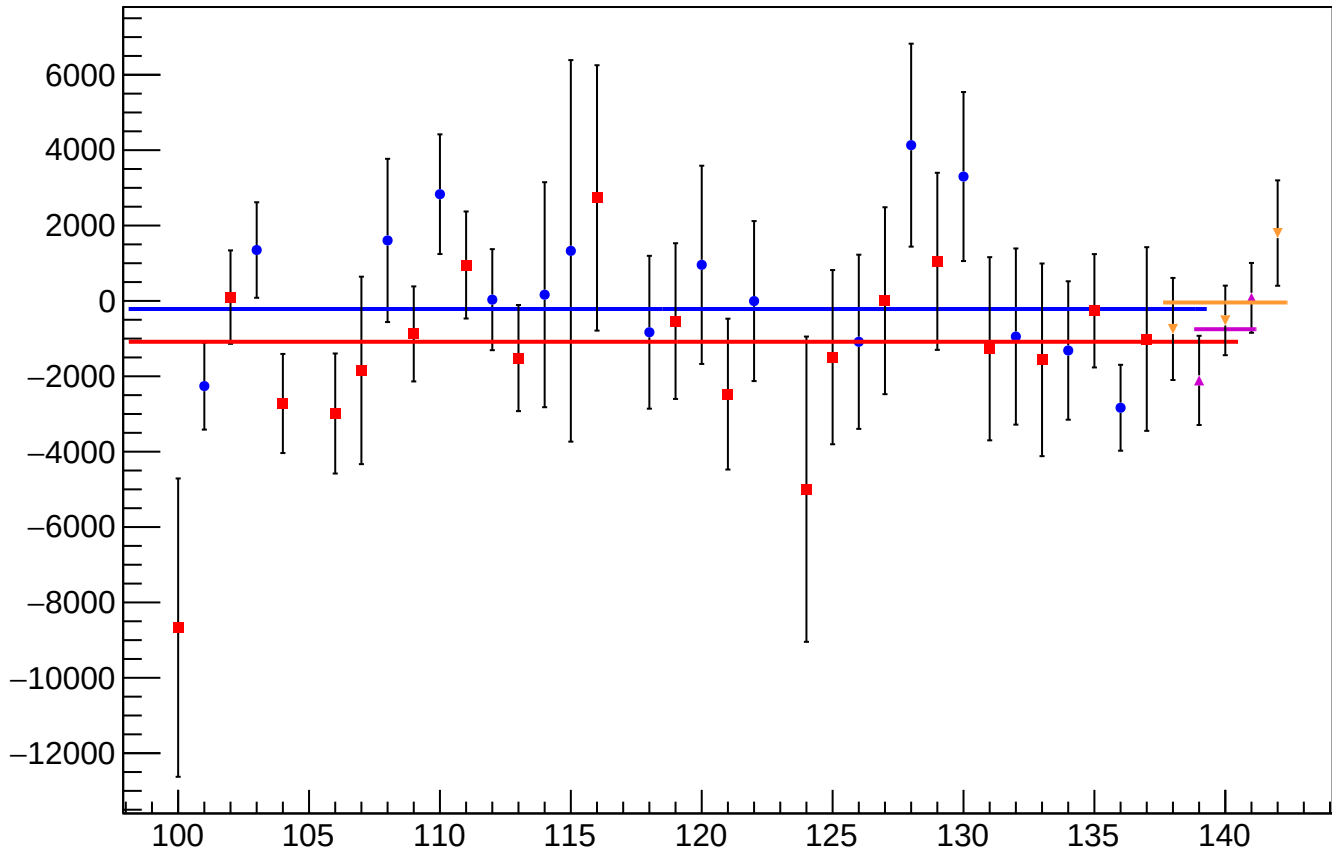
Left In: 115.895+/-0.062 χ^2/NDF :1606.7/1

+ sign 113.430+/-0.027 χ^2/NDF : 331750.1/18

All: 111.909+/-0.019 χ^2/NDF : 719744.4/39

- sign 110.443+/-0.026 χ^2/NDF : 381574.3/20

asym_sam_48_dd_eigen_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF : 20.4/15

Left Out: -41.545+/-669.526 χ^2/NDF : 2.3/2

Right Out: -1083.943+/-423.774 χ^2/NDF : 13.9/18

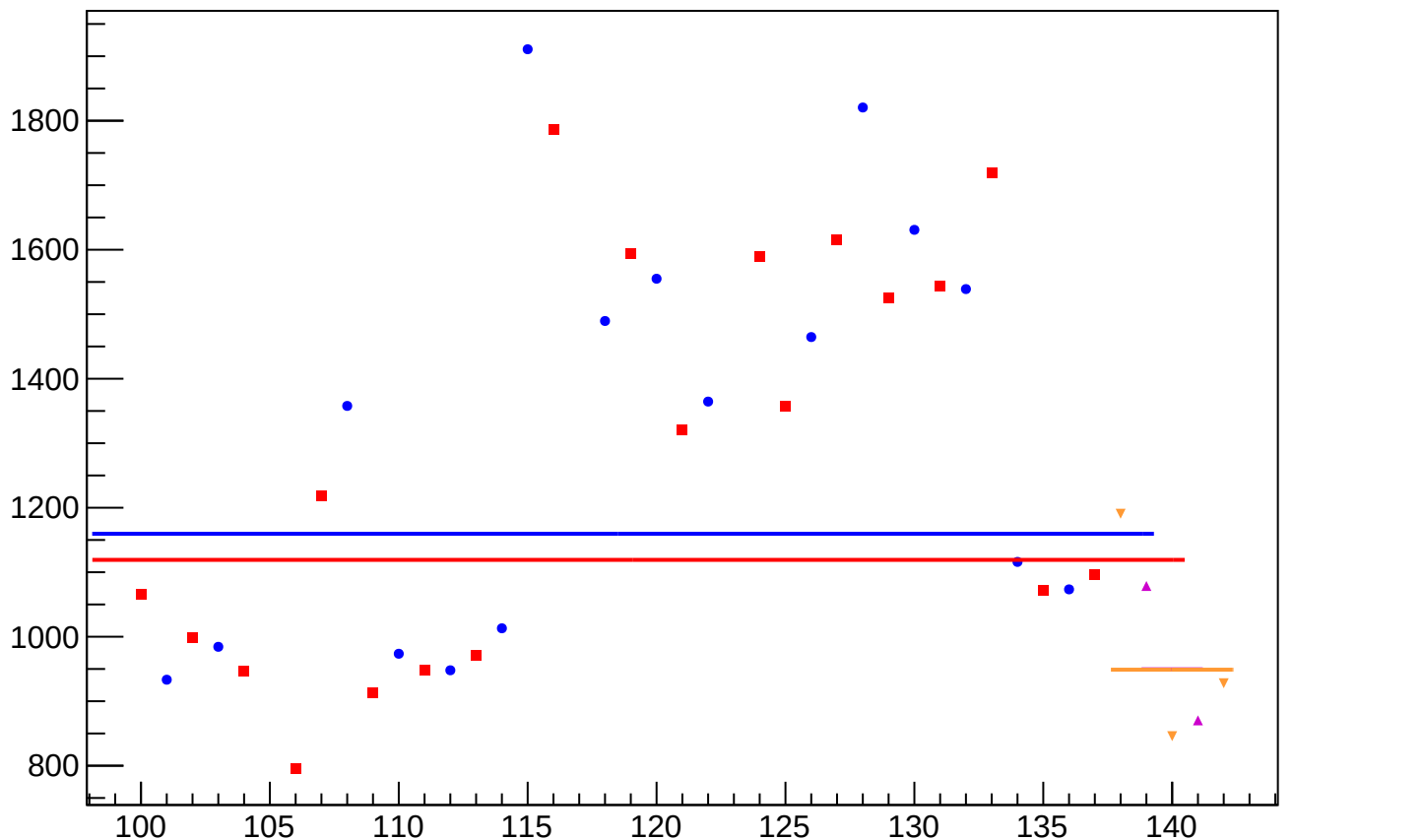
Left In: -750.574+/-729.501 χ^2/NDF : 2.1/1

+ sign -161.523+/-370.009 χ^2/NDF : 22.8/18

All: -584.746+/-260.362 χ^2/NDF : 41.5/39

- sign -999.830+/-366.433 χ^2/NDF : 16.2/20

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2 /NDF: 683662.2/15

Left Out: 948.893+/-0.473 χ^2 /NDF: 89142.1/2

Right Out: 1119.156+/-0.300 χ^2 /NDF: 803154.6/18

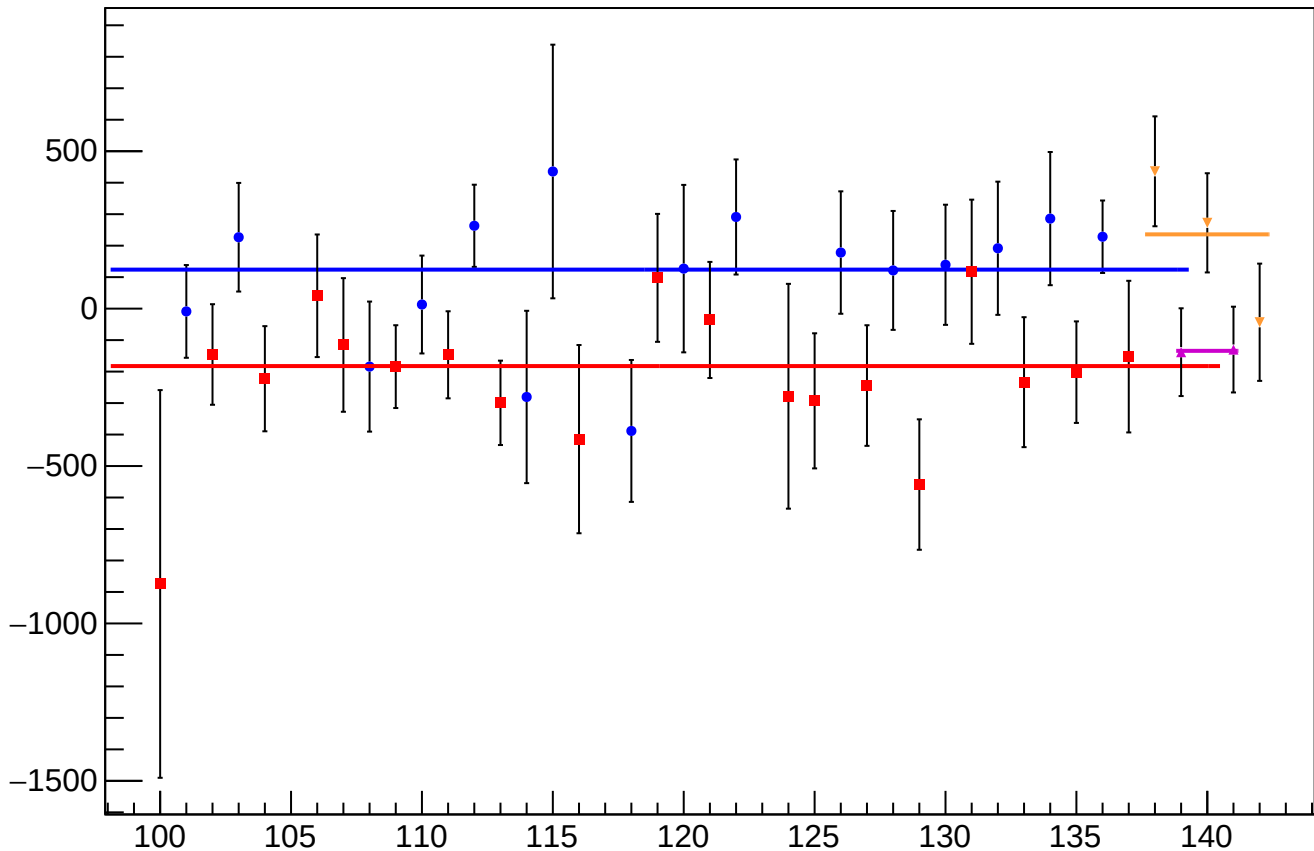
Left In: 949.483+/-0.516 χ^2 /NDF: 38431.6/1

+ sign 1095.231+/-0.262 χ^2 /NDF: 910360.5/18

All: 1085.696+/-0.184 χ^2 /NDF: 1835472.5/39

- sign 1076.345+/-0.259 χ^2 /NDF: 922481.5/20

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892 $\pm$ 45.238 χ^2 /NDF: 15.4/15

Left Out: 235.889 $\pm$ 99.040 χ^2 /NDF: 3.6/2

Right Out: -182.467 $\pm$ 43.224 χ^2 /NDF: 12.3/18

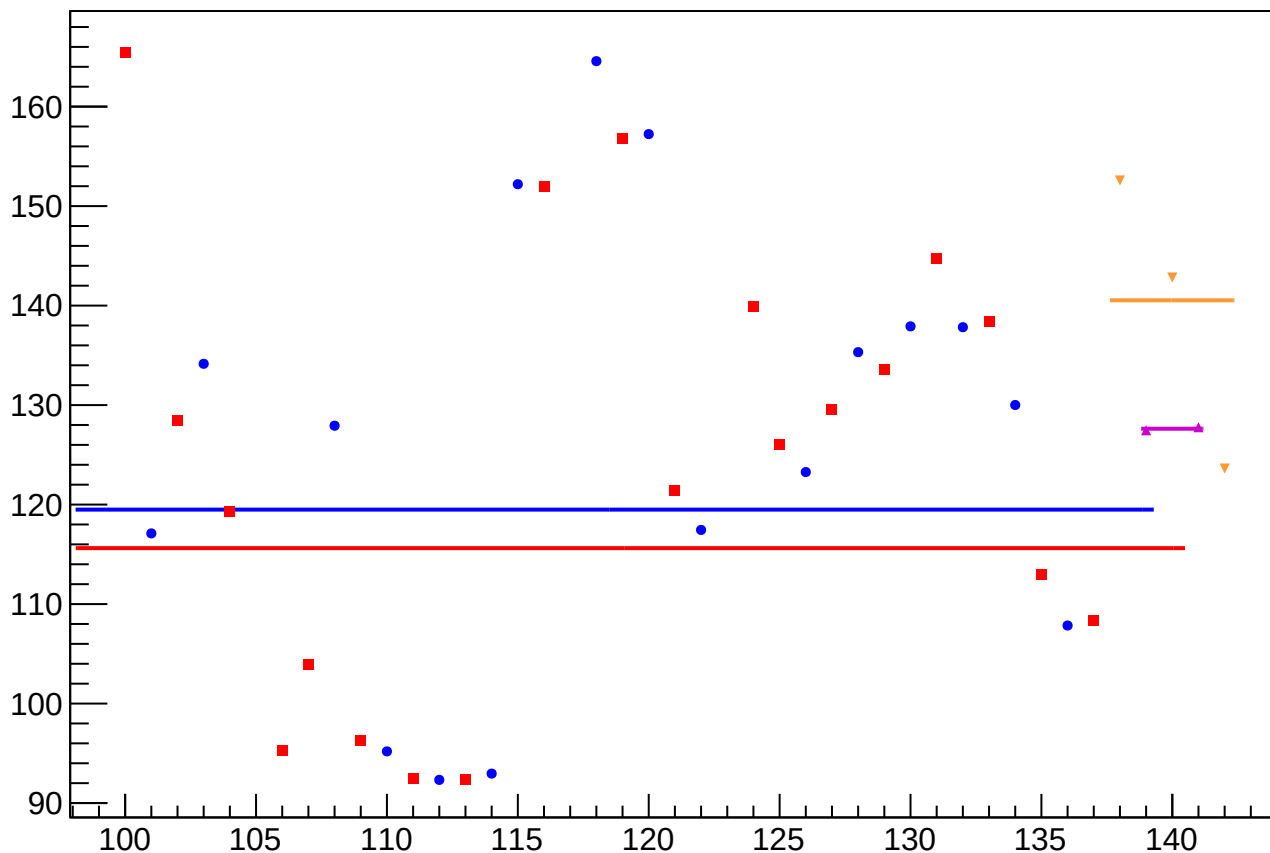
Left In: -134.094 $\pm$ 97.422 χ^2 /NDF: 0.0/1

+ sign 143.225 $\pm$ 41.149 χ^2 /NDF: 20.1/18

All: -22.096 $\pm$ 28.500 χ^2 /NDF: 63.6/39

- sign -174.511 $\pm$ 39.510 χ^2 /NDF: 12.5/20

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495 $\pm$ 0.032 χ^2 /NDF: 380250.8/15

Left Out: 140.532 $\pm$ 0.070 χ^2 /NDF: 26436.4/2

Right Out: 115.622 $\pm$ 0.031 χ^2 /NDF: 426961.7/18

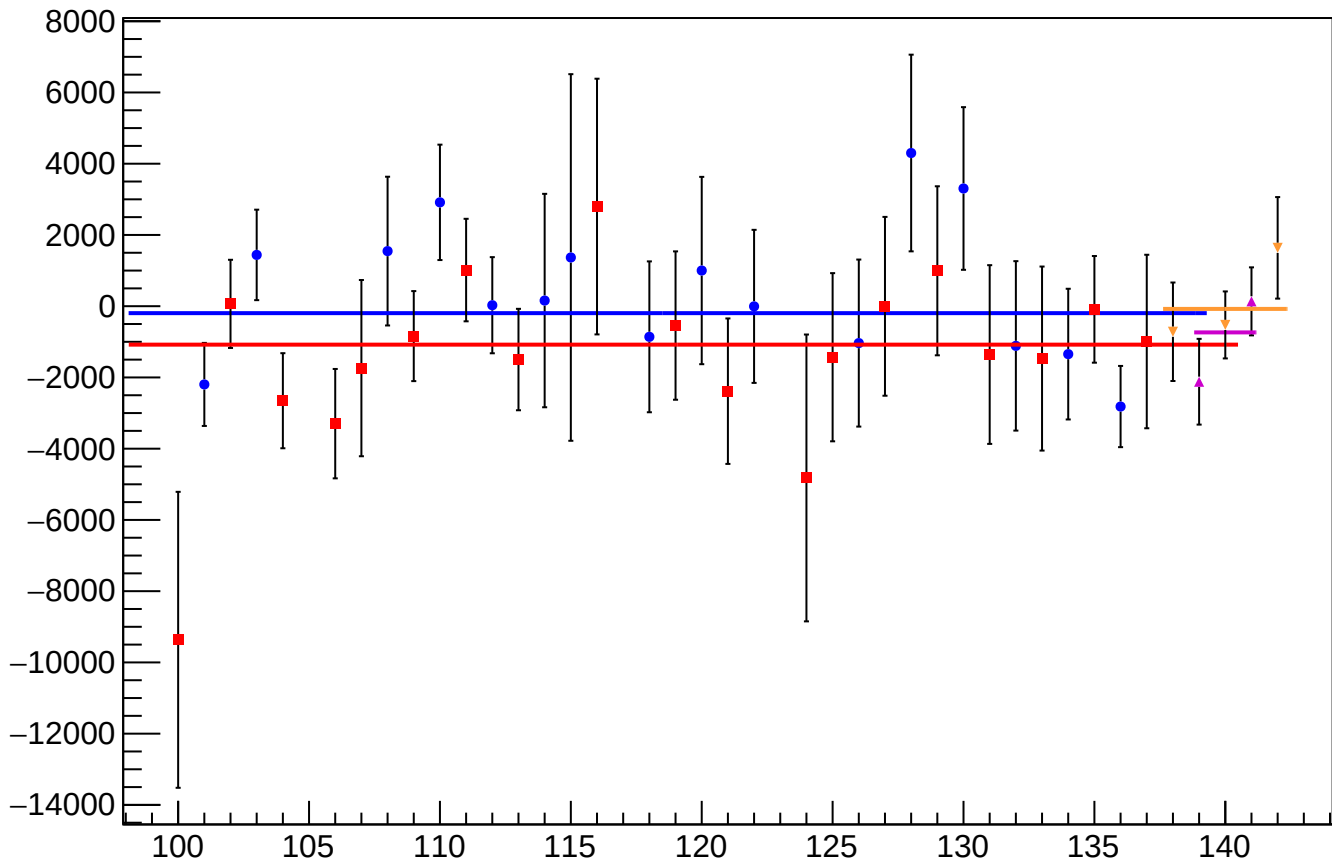
Left In: 127.626 $\pm$ 0.069 χ^2 /NDF: 4.9/1

+ sign 123.126 $\pm$ 0.029 χ^2 /NDF: 481348.7/18

All: 120.249 $\pm$ 0.020 χ^2 /NDF: 952479.5/39

- sign 117.596 $\pm$ 0.028 χ^2 /NDF: 452336.8/20

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2 /NDF: 20.4/15

Left Out: -76.173+/-682.616 χ^2 /NDF: 1.9/2

Right Out: -1079.393+/-425.950 χ^2 /NDF: 14.6/18

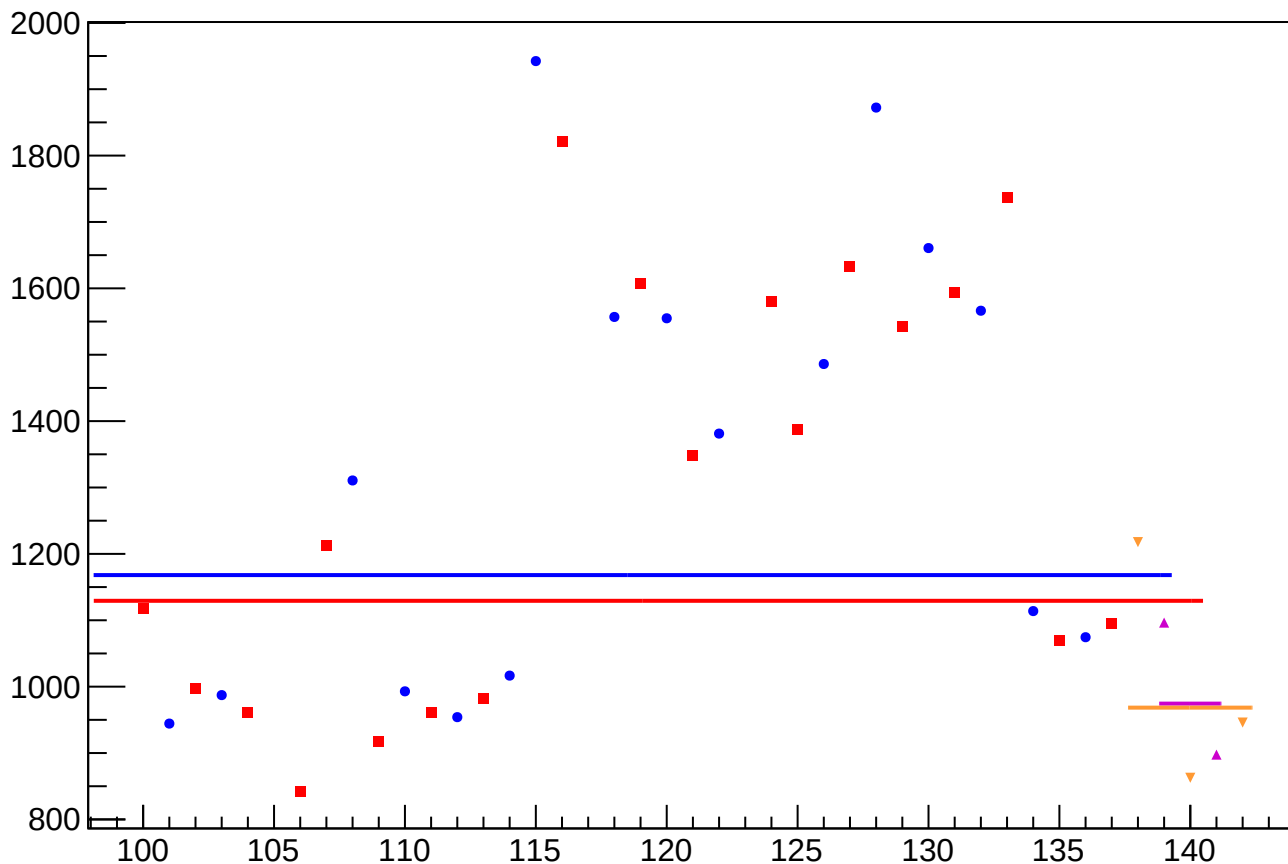
Left In: -735.814+/-748.081 χ^2 /NDF: 2.2/1

+ sign -159.361+/-374.151 χ^2 /NDF: 22.3/18

All: -581.808+/-263.140 χ^2 /NDF: 41.7/39

- sign -995.274+/-370.153 χ^2 /NDF: 16.9/20

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF : 709363.8/15

Left Out: 968.391+/-0.483 χ^2/NDF : 90796.9/2

Right Out: 1129.316+/-0.301 χ^2/NDF : 807222.5/18

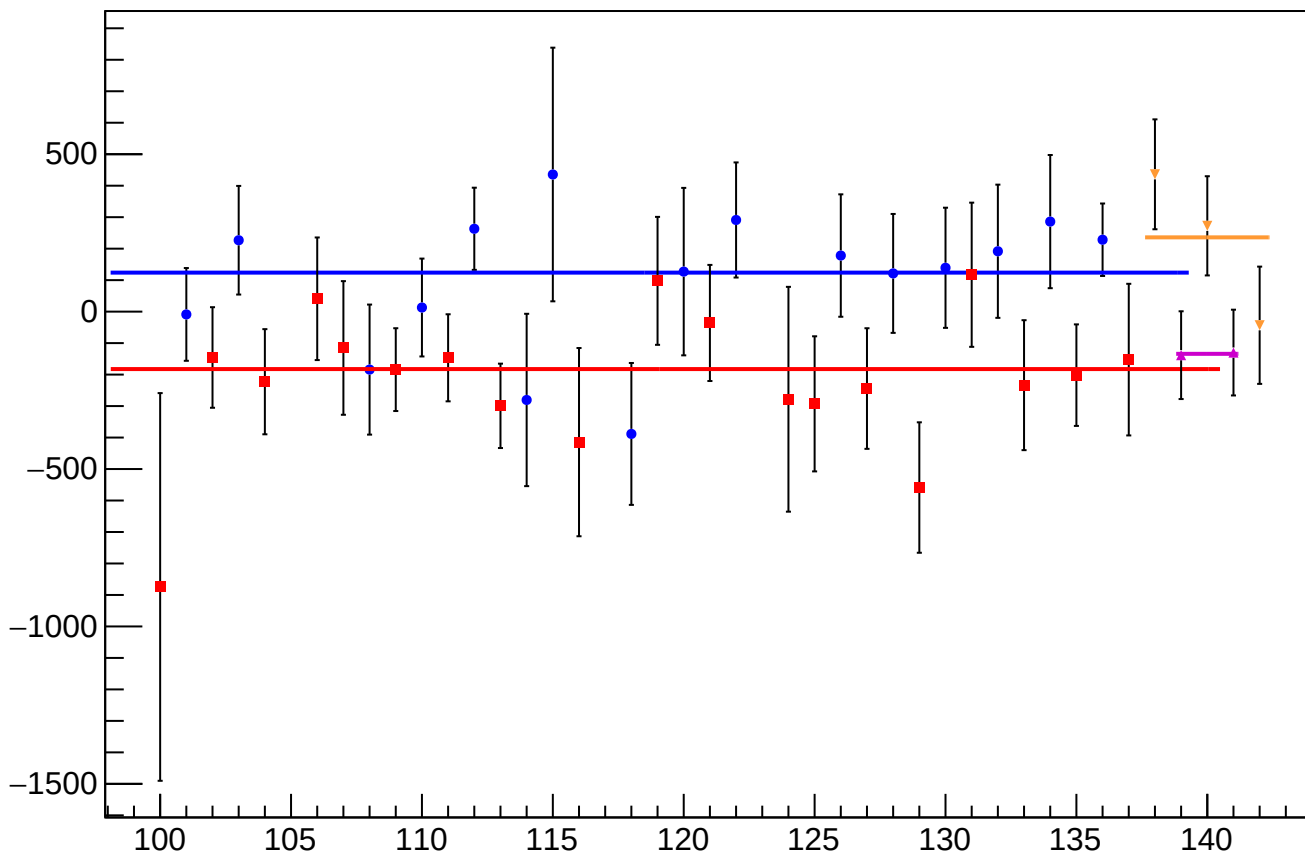
Left In: 974.437+/-0.529 χ^2/NDF : 33503.2/1

+ sign 1108.076+/-0.265 χ^2/NDF : 919873.7/18

All: 1099.647+/-0.186 χ^2/NDF : 1827346.3/39

- sign 1091.397+/-0.262 χ^2/NDF : 905464.2/20

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895 ± 45.238 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 235.892 ± 99.040 $\chi^2/\text{NDF}: 3.6/2$

Right Out: -182.468 ± 43.224 $\chi^2/\text{NDF}: 12.3/18$

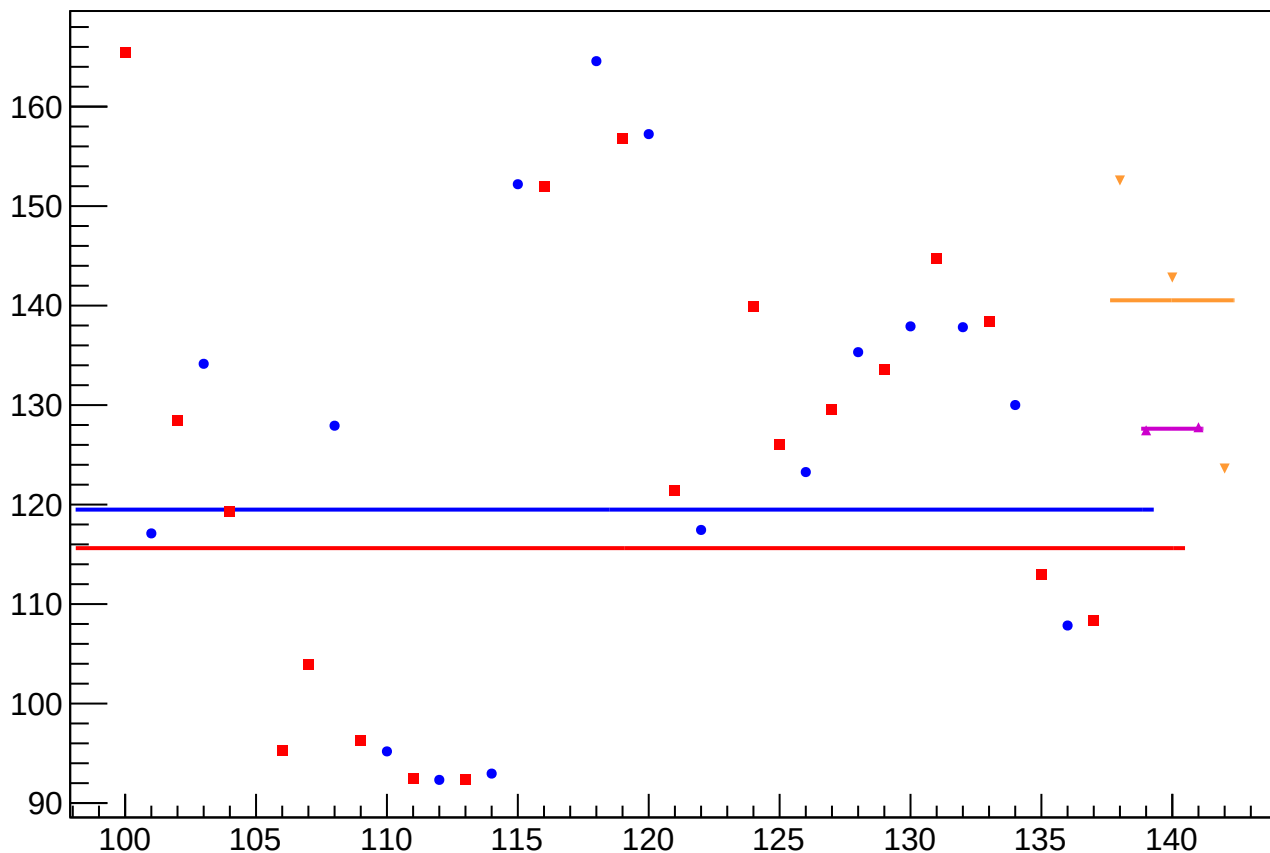
Left In: -134.093 ± 97.421 $\chi^2/\text{NDF}: 0.0/1$

+ sign 143.228 ± 41.149 $\chi^2/\text{NDF}: 20.1/18$

All: -22.095 ± 28.500 $\chi^2/\text{NDF}: 63.6/39$

- sign -174.511 ± 39.510 $\chi^2/\text{NDF}: 12.5/20$

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495 $\pm$ 0.032 χ^2 /NDF: 380254.2/15

Left Out: 140.532 $\pm$ 0.070 χ^2 /NDF: 26435.4/2

Right Out: 115.622 $\pm$ 0.031 χ^2 /NDF: 426966.4/18

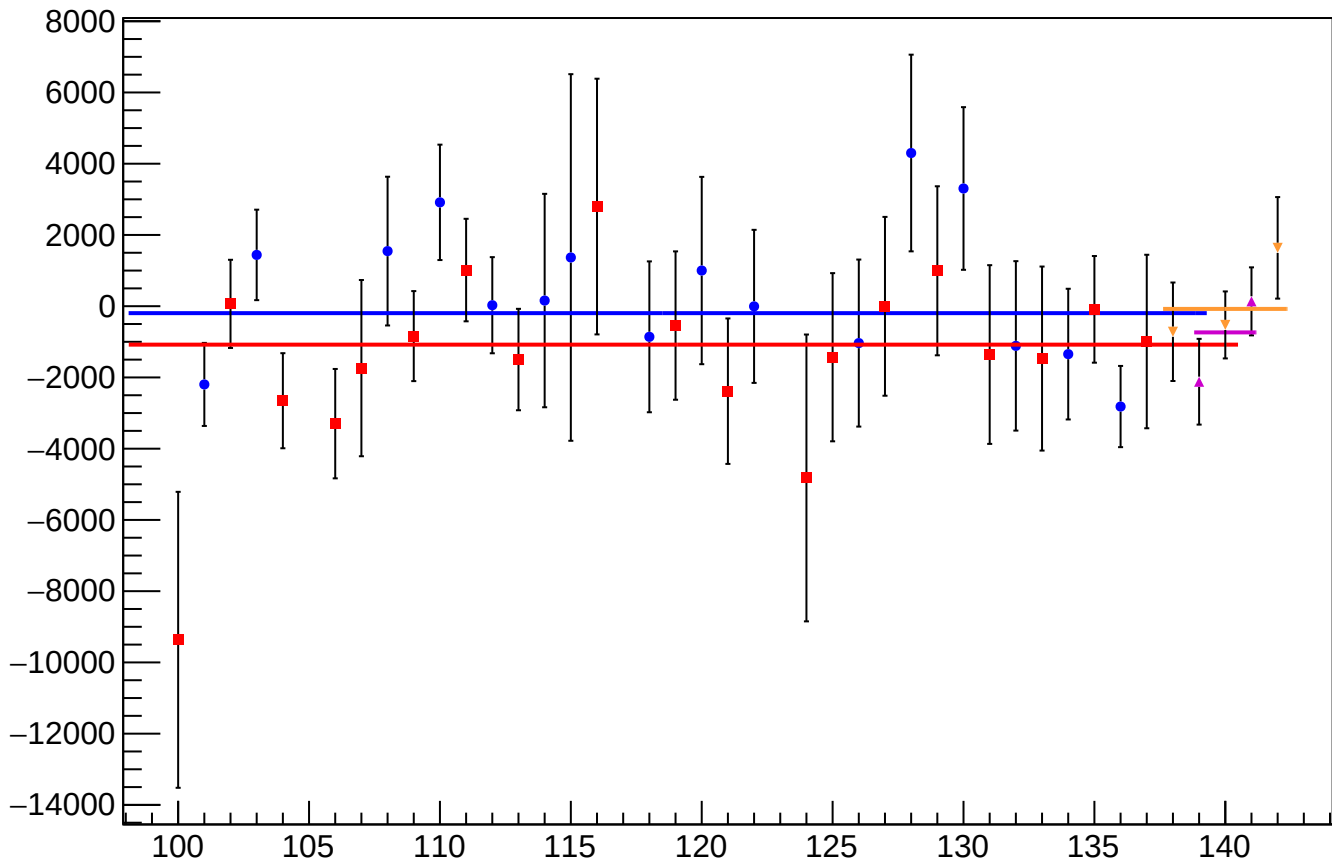
Left In: 127.626 $\pm$ 0.069 χ^2 /NDF: 5.0/1

+ sign 123.126 $\pm$ 0.029 χ^2 /NDF: 481351.4/18

All: 120.249 $\pm$ 0.020 χ^2 /NDF: 952487.2/39

- sign 117.596 $\pm$ 0.028 χ^2 /NDF: 452341.2/20

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -195.085 $\pm$ 447.334 χ^2/NDF : 20.4/15

Left Out: -76.174 $\pm$ 682.615 χ^2/NDF : 1.9/2

Right Out: -1079.393 $\pm$ 425.950 χ^2/NDF : 14.6/18

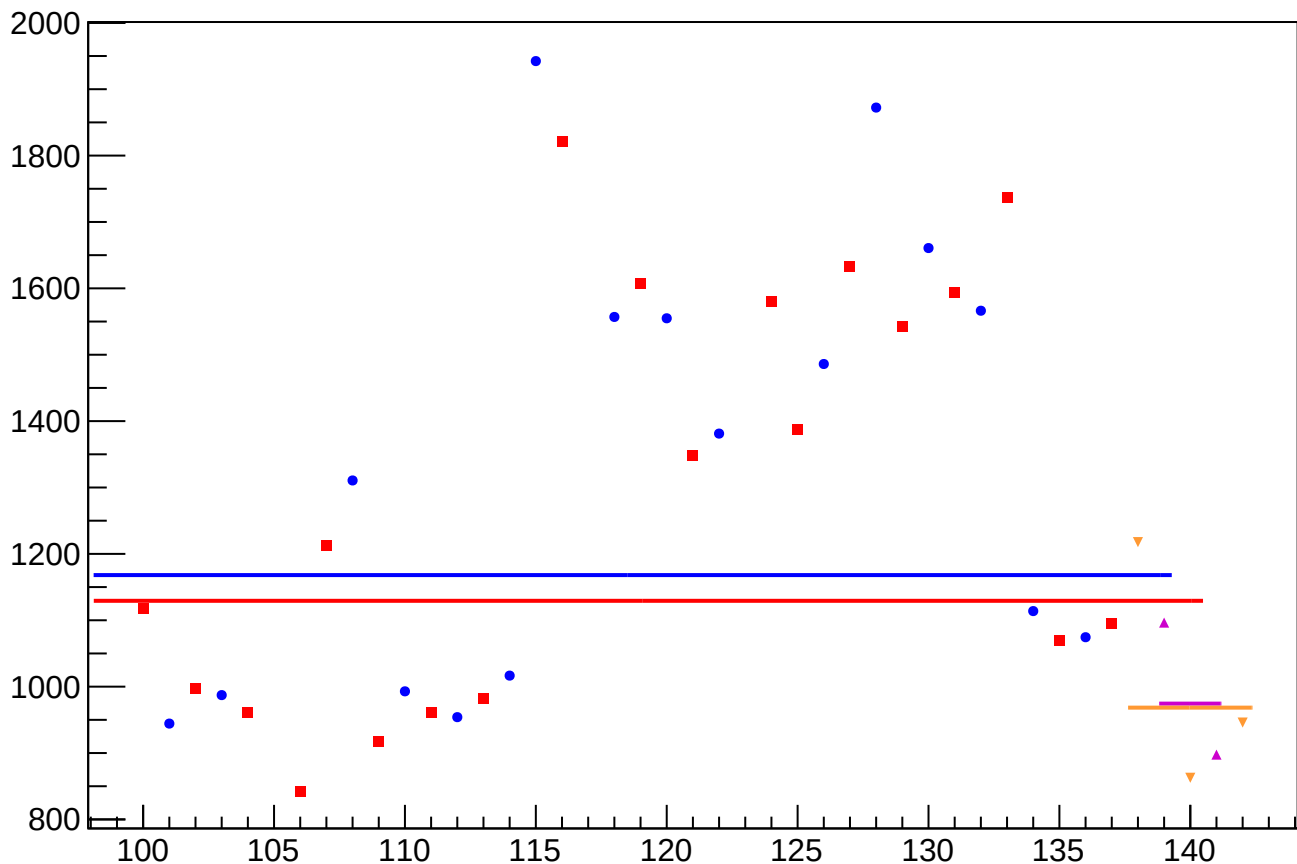
Left In: -735.814 $\pm$ 748.080 χ^2/NDF : 2.2/1

+ sign -159.361 $\pm$ 374.151 χ^2/NDF : 22.3/18

All: -581.808 $\pm$ 263.140 χ^2/NDF : 41.7/39

- sign -995.274 $\pm$ 370.153 χ^2/NDF : 16.9/20

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2 /NDF: 709365.6/15

Left Out: 968.390+/-0.483 χ^2 /NDF: 90796.9/2

Right Out: 1129.316+/-0.301 χ^2 /NDF: 807224.0/18

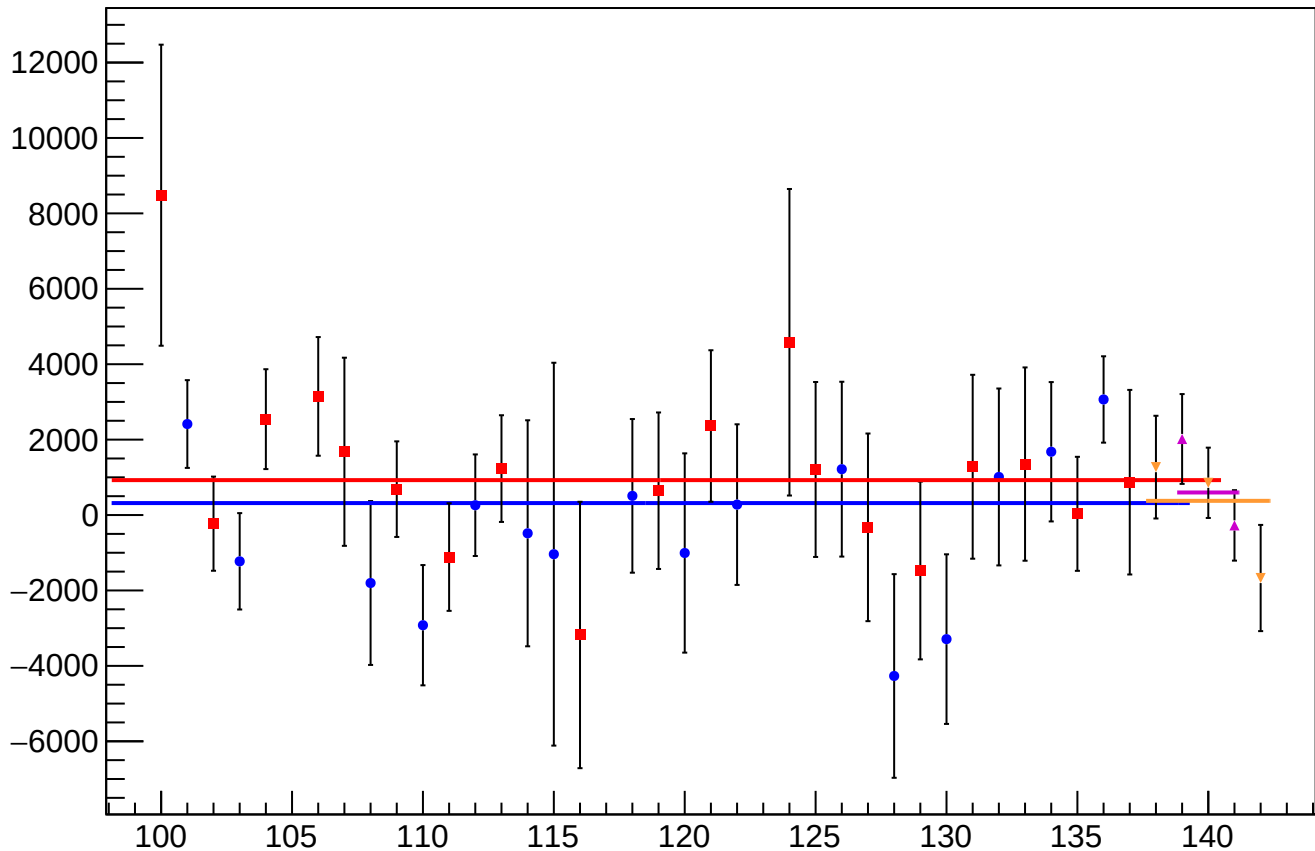
Left In: 974.436+/-0.529 χ^2 /NDF: 33503.9/1

+ sign 1108.075+/-0.265 χ^2 /NDF: 919877.0/18

All: 1099.646+/-0.186 χ^2 /NDF: 1827352.7/39

- sign 1091.397+/-0.262 χ^2 /NDF: 905467.4/20

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF : 22.2/15

Left Out: 376.570+/-675.182 χ^2/NDF : 2.8/2

Right Out: 926.036+/-425.405 χ^2/NDF : 14.5/18

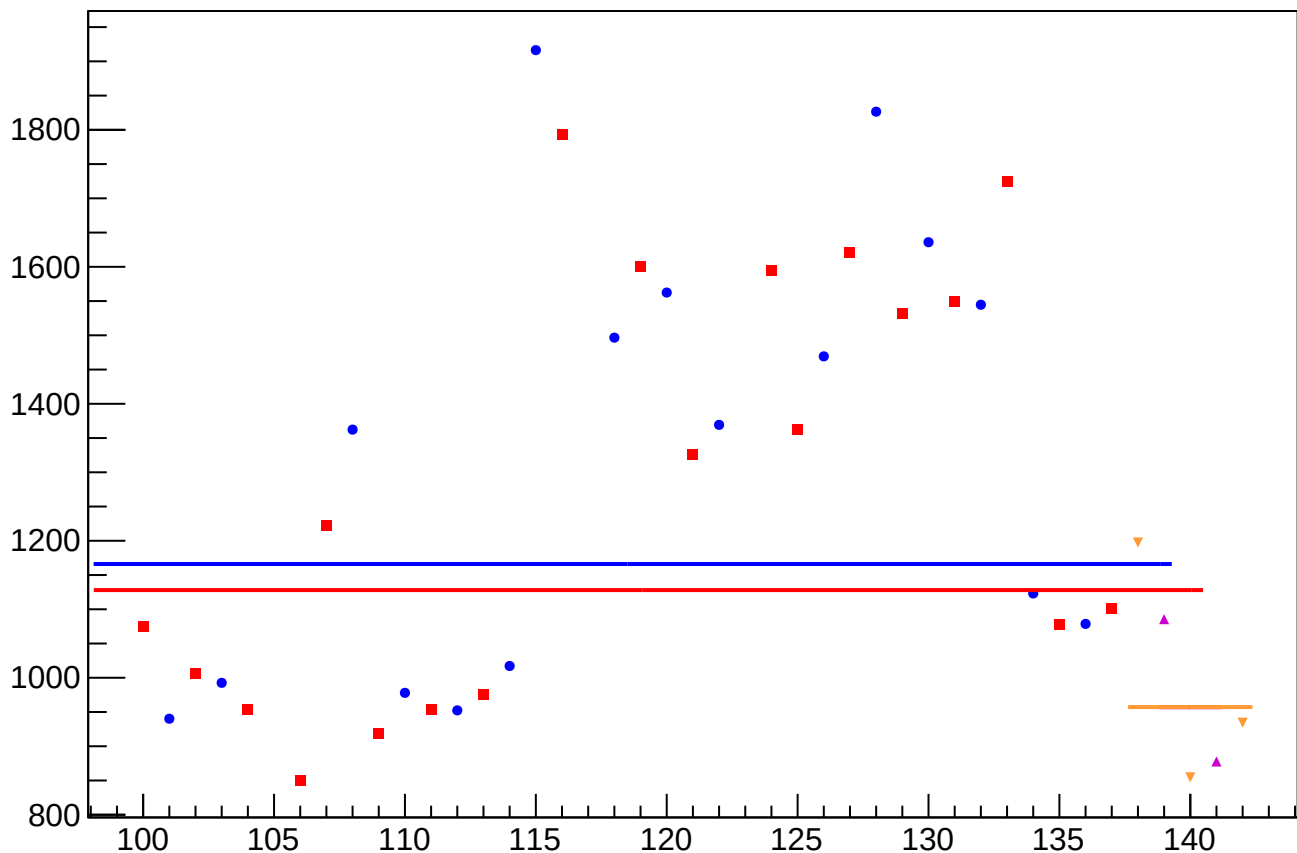
Left In: 598.439+/-735.093 χ^2/NDF : 2.3/1

+ sign 335.370+/-372.337 χ^2/NDF : 25.0/18

All: 592.453+/-261.805 χ^2/NDF : 42.9/39

- sign 843.848+/-368.195 χ^2/NDF : 17.0/20

asym_sam_48_dd_rms vs Slug



Right In: 1166.056 $\pm$ 0.316 χ^2 /NDF: 677063.1/15

Left Out: 957.176 $\pm$ 0.477 χ^2 /NDF: 87014.4/2

Right Out: 1128.006 $\pm$ 0.301 χ^2 /NDF: 775766.7/18

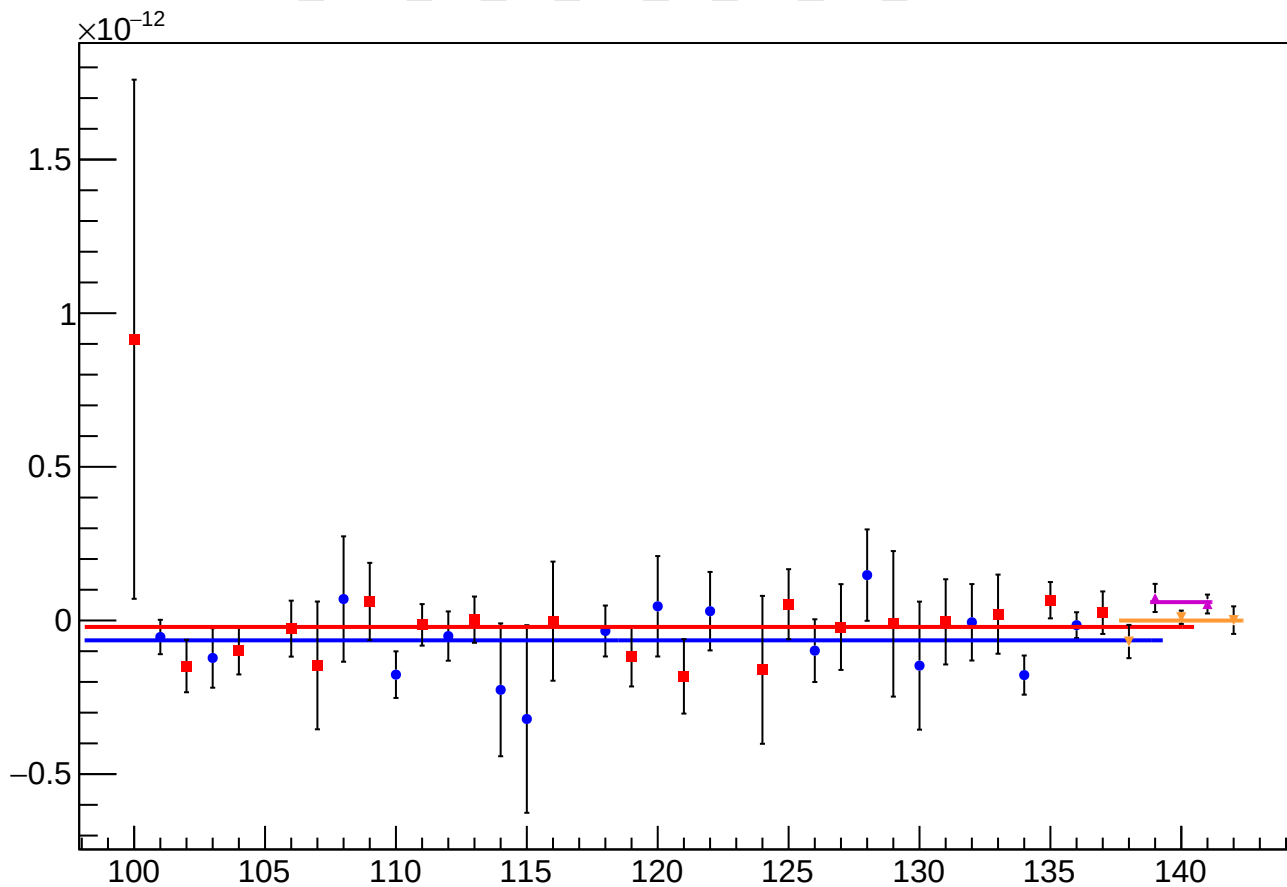
Left In: 956.953 $\pm$ 0.520 χ^2 /NDF: 37682.9/1

+ sign 1102.534 $\pm$ 0.263 χ^2 /NDF: 897283.5/18

All: 1093.715 $\pm$ 0.185 χ^2 /NDF: 1794077.2/39

- sign 1085.092 $\pm$ 0.260 χ^2 /NDF: 894574.9/20

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 : 1.8/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.5/18

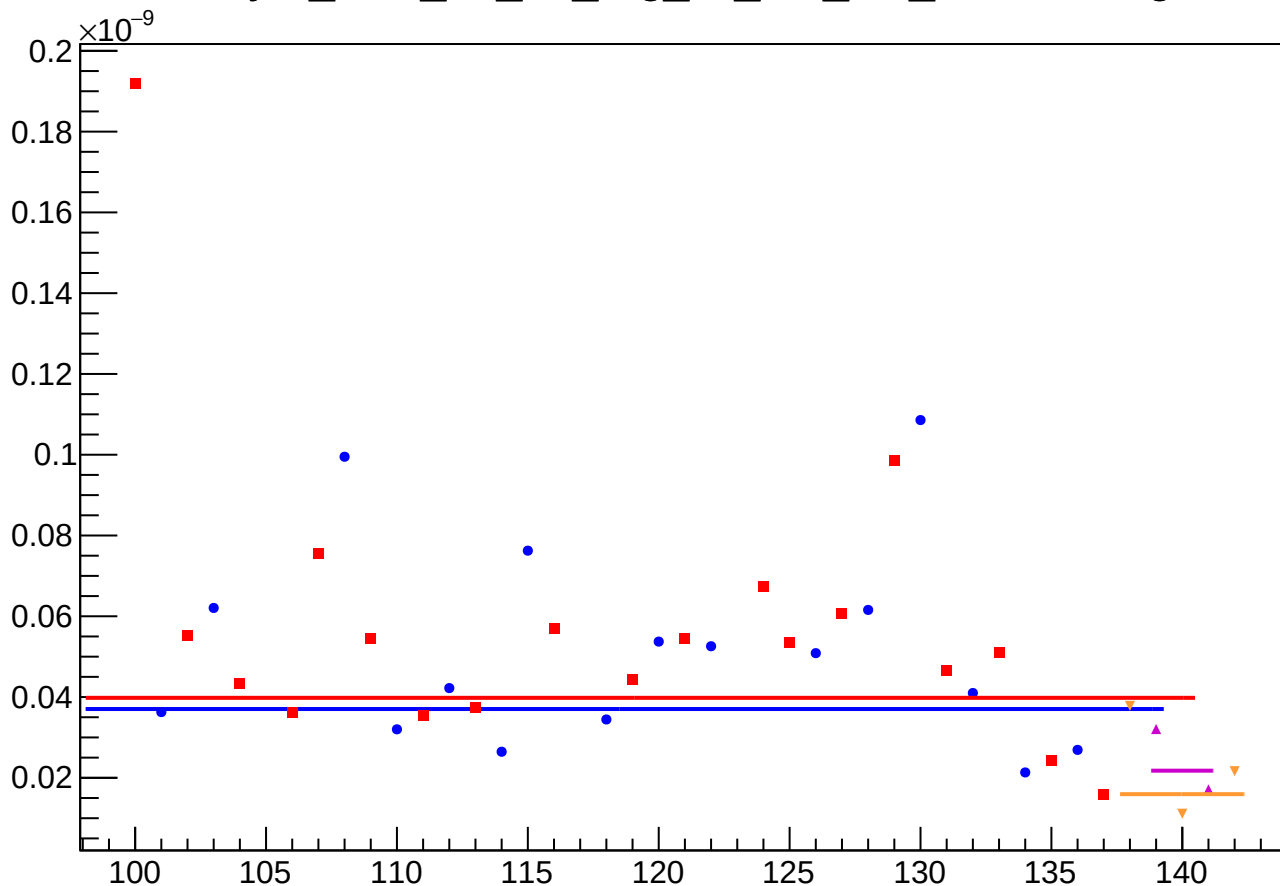
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign -0.000 ± 0.000 χ^2/NDF : 19.4/18

All: -0.000 ± 0.000 χ^2/NDF : 40.2/39

- sign 0.000 ± 0.000 χ^2/NDF : 17.1/20

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 : 458014.0/2

Right Out: 0.000+/-0.000 χ^2/NDF : 903728.0/18

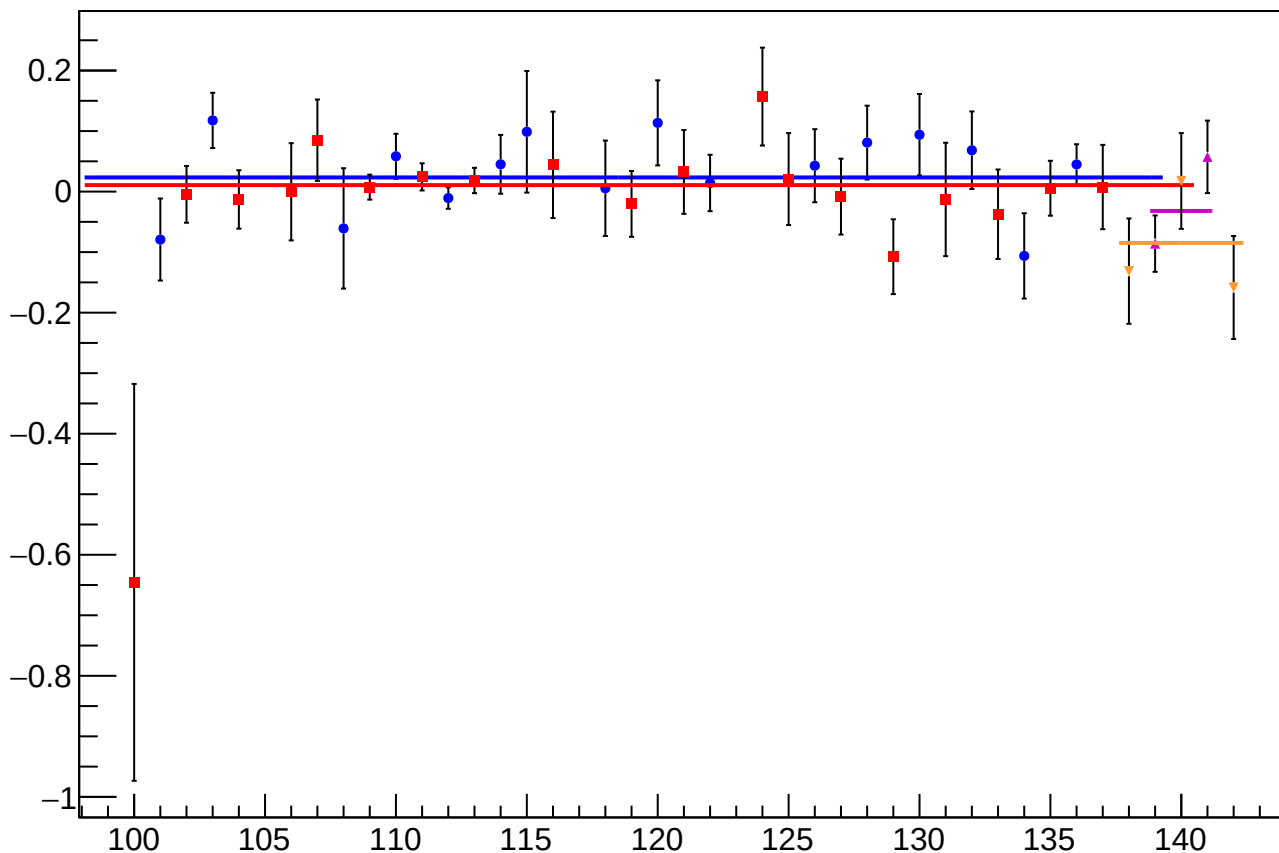
Left In: 0.000+/-0.000 χ^2/NDF : 146898.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 2544666.4/18

All: 0.000+/-0.000 χ^2/NDF : 4343138.9/39

- sign 0.000+/-0.000 χ^2/NDF : 1600058.3/20

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.011 χ^2 /NDF: 20.7/15

Left Out: -0.085 $\pm$ 0.048 χ^2 /NDF: 2.7/2

Right Out: 0.011 $\pm$ 0.010 χ^2 /NDF: 14.2/18

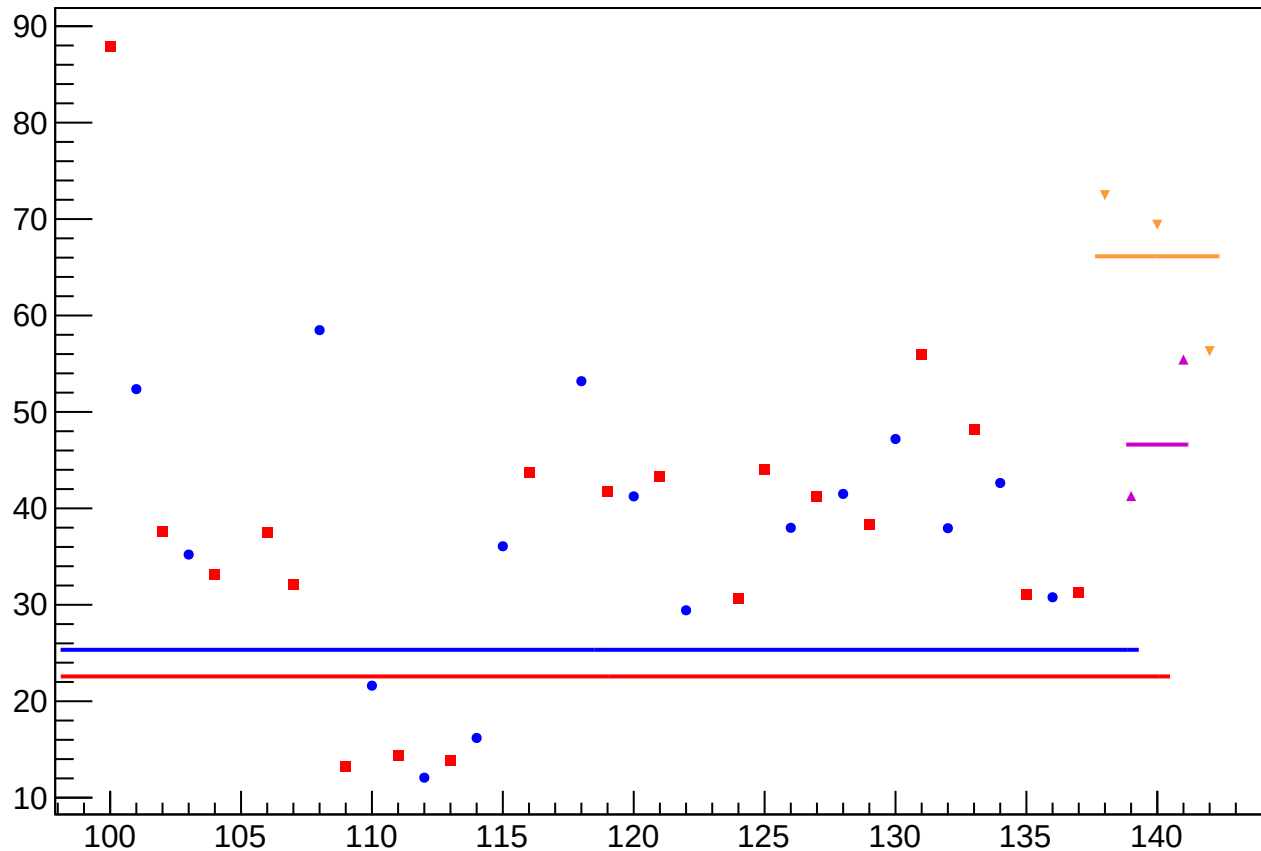
Left In: -0.032 $\pm$ 0.037 χ^2 /NDF: 3.6/1

+ sign 0.018 $\pm$ 0.011 χ^2 /NDF: 28.2/18

All: 0.012 $\pm$ 0.007 χ^2 /NDF: 47.8/39

- sign 0.008 $\pm$ 0.009 χ^2 /NDF: 19.1/20

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334 $\pm$ 0.008 χ^2/NDF : 2925132.2/15

Left Out: 66.138 $\pm$ 0.034 χ^2/NDF : 40795.8/2

Right Out: 22.571 $\pm$ 0.007 χ^2/NDF : 3139937.1/18

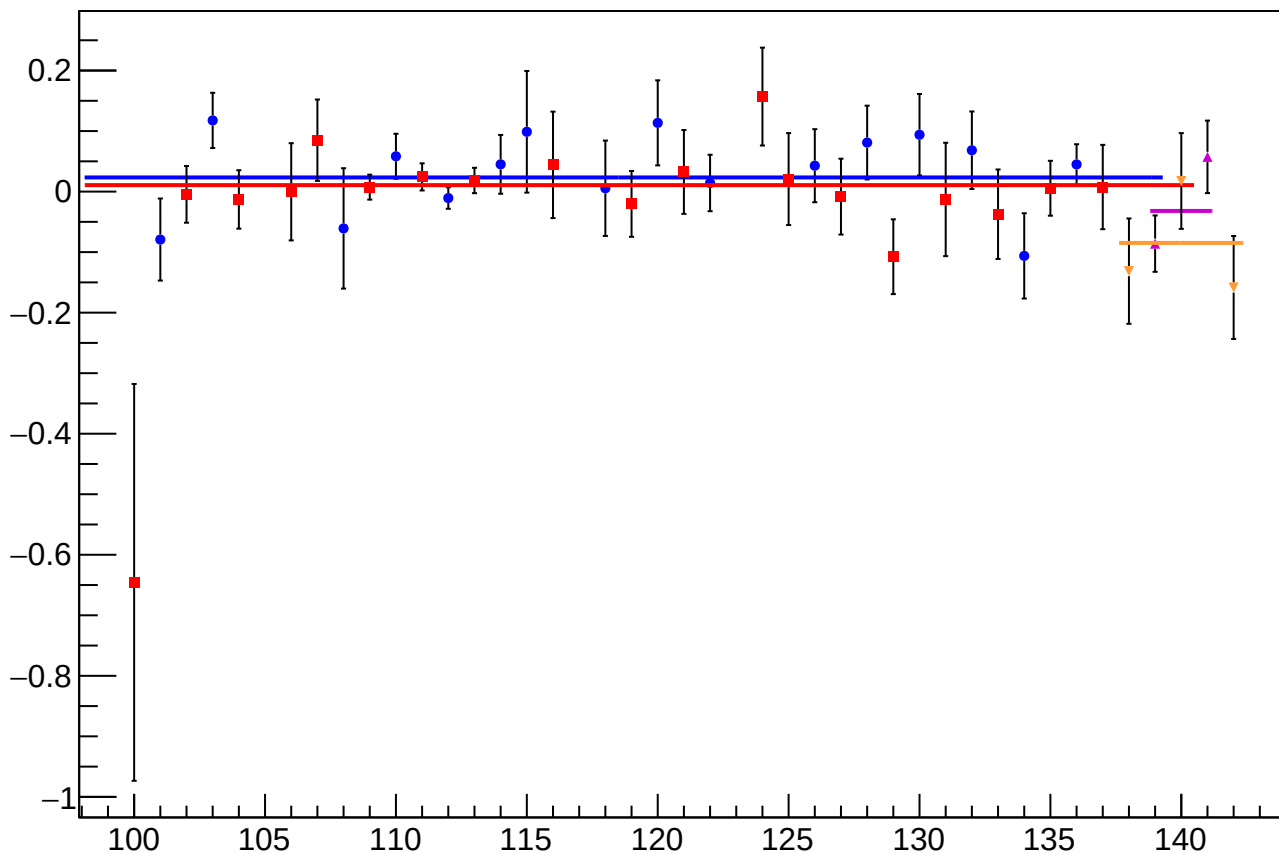
Left In: 46.615 $\pm$ 0.026 χ^2/NDF : 69603.5/1

+ sign 27.376 $\pm$ 0.008 χ^2/NDF : 4326461.7/18

All: 25.564 $\pm$ 0.005 χ^2/NDF : 8434687.2/39

- sign 24.167 $\pm$ 0.007 χ^2/NDF : 4008290.2/20

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.011 χ^2 /NDF: 20.7/15

Left Out: -0.085 $\pm$ 0.048 χ^2 /NDF: 2.7/2

Right Out: 0.011 $\pm$ 0.010 χ^2 /NDF: 14.2/18

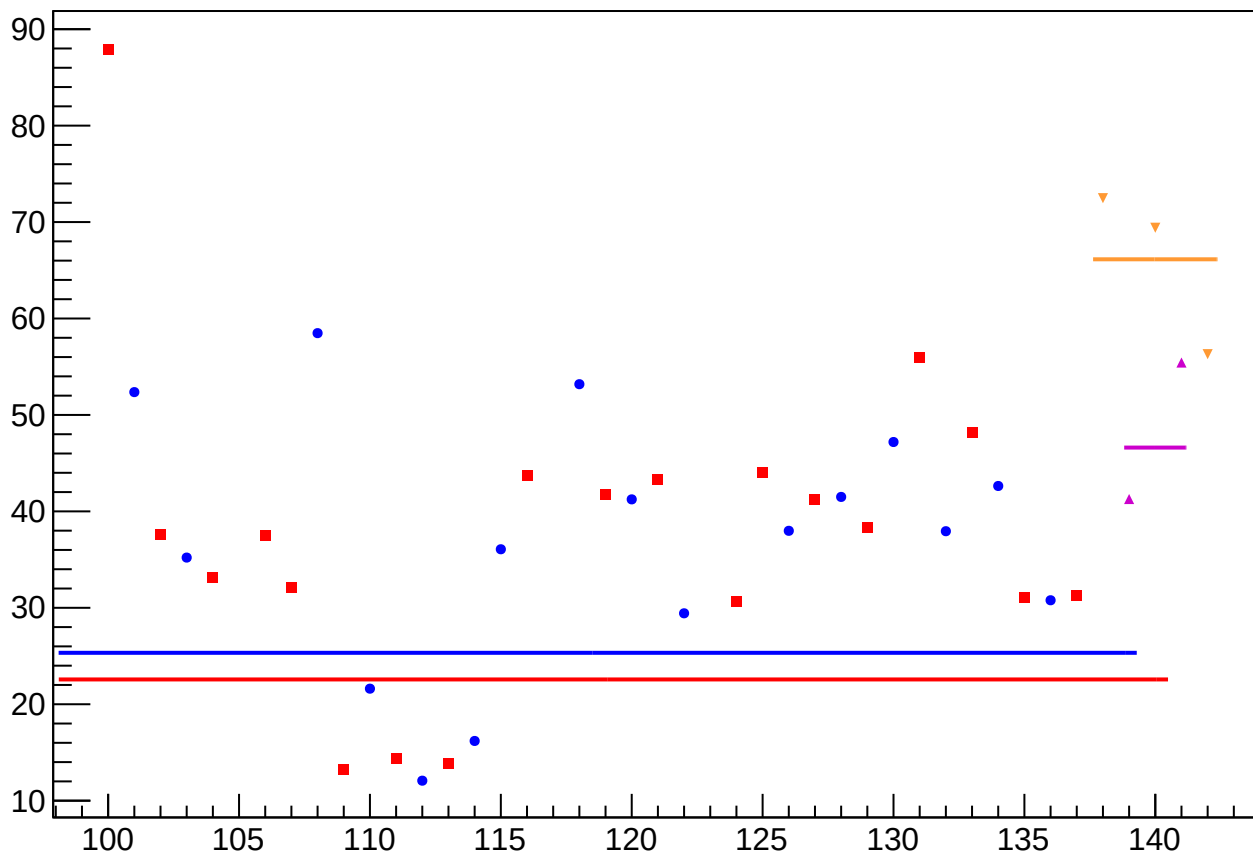
Left In: -0.032 $\pm$ 0.037 χ^2 /NDF: 3.6/1

+ sign 0.018 $\pm$ 0.011 χ^2 /NDF: 28.2/18

All: 0.012 $\pm$ 0.007 χ^2 /NDF: 47.8/39

- sign 0.008 $\pm$ 0.009 χ^2 /NDF: 19.1/20

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF : 2925132.2/15

Left Out: 66.138+/-0.034 χ^2/NDF : 40795.8/2

Right Out: 22.571+/-0.007 χ^2/NDF : 3139937.1/18

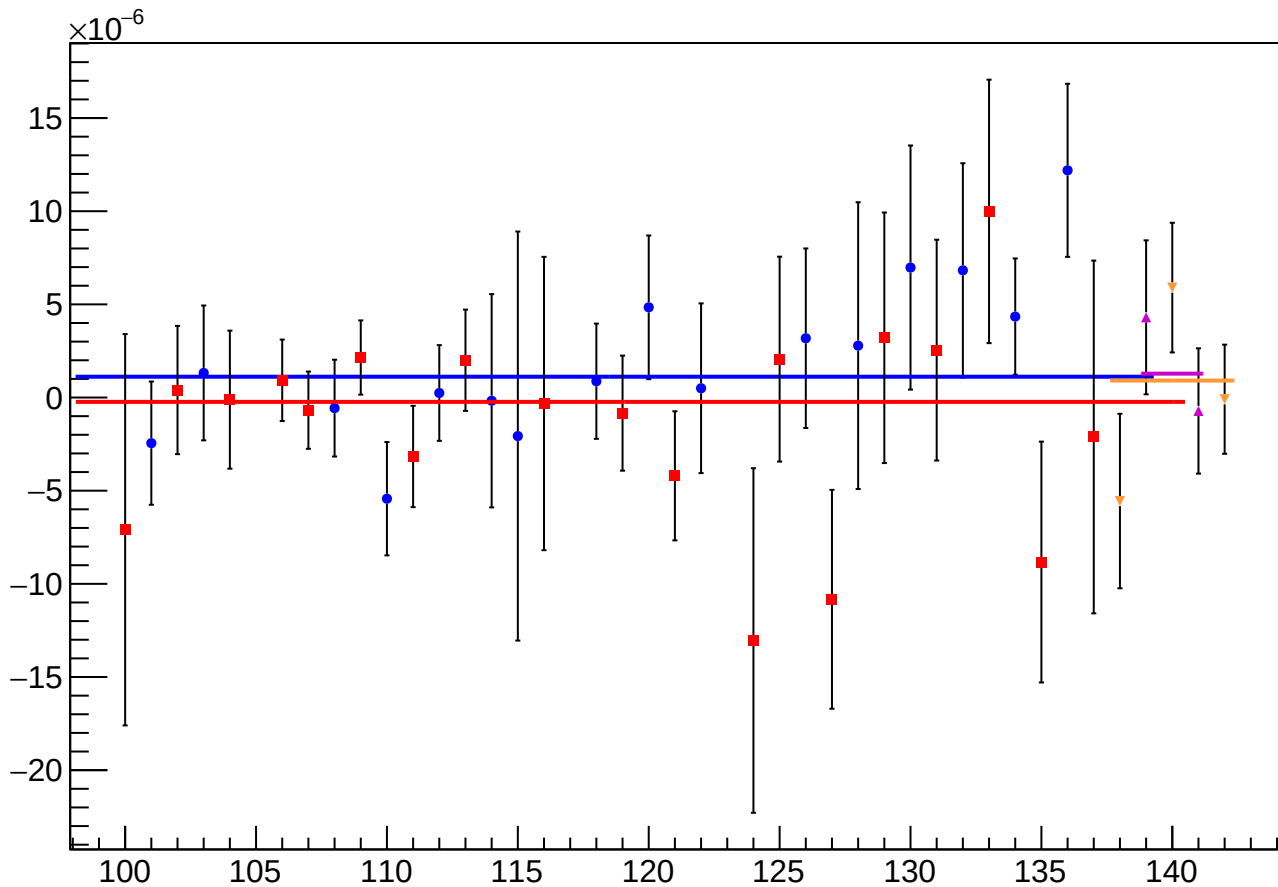
Left In: 46.615+/-0.026 χ^2/NDF : 69603.5/1

+ sign 27.376+/-0.008 χ^2/NDF : 4326461.7/18

All: 25.564+/-0.005 χ^2/NDF : 8434687.2/39

- sign 24.167+/-0.007 χ^2/NDF : 4008290.2/20

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 16.2/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 4.1/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.1/18

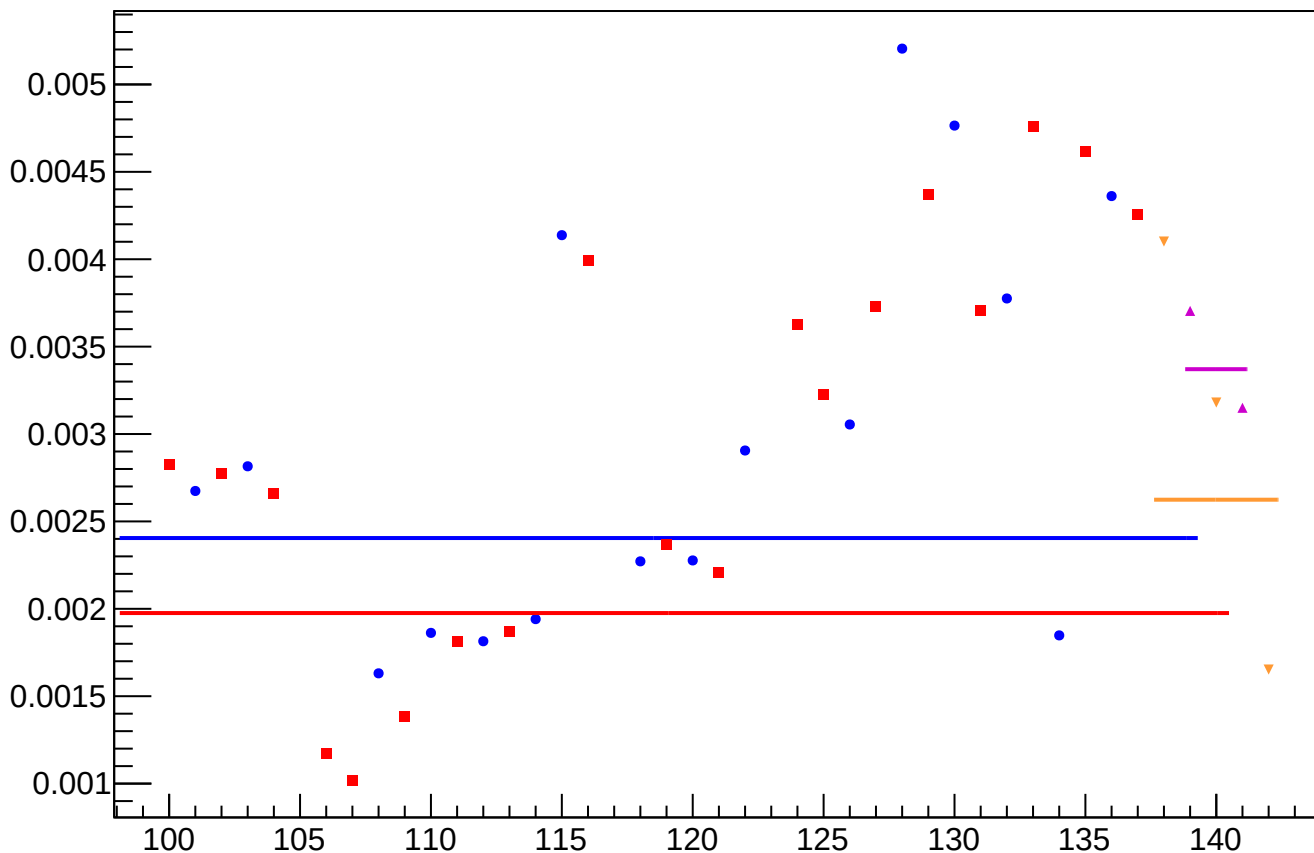
Left In: 0.000 ± 0.000 χ^2/NDF : 0.9/1

+ sign 0.000 ± 0.000 χ^2/NDF : 20.3/18

All: 0.000 ± 0.000 χ^2/NDF : 37.7/39

- sign -0.000 ± 0.000 χ^2/NDF : 16.3/20

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: 0.003+/-0.000 χ^2/NDF : 470313.8/2

Right Out: 0.002+/-0.000 χ^2/NDF : 2775363.3/18

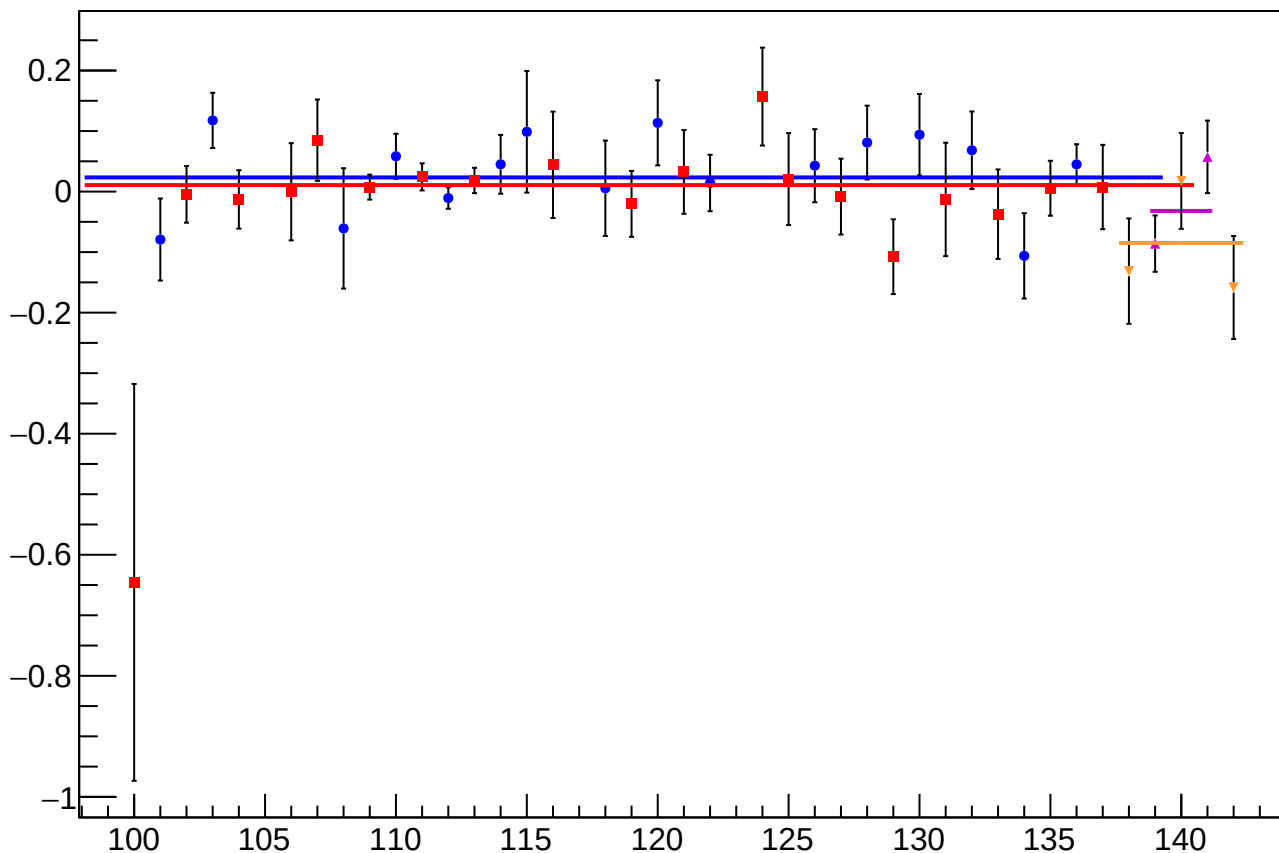
Left In: 0.003+/-0.000 χ^2/NDF : 21644.2/1

+ sign 0.002+/-0.000 χ^2/NDF : 2061554.6/18

All: 0.002+/-0.000 χ^2/NDF : 5557659.0/39

- sign 0.002+/-0.000 χ^2/NDF : 3318640.9/20

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 $\pm$ 0.011 χ^2 /NDF: 20.7/15

Left Out: -0.085 $\pm$ 0.048 χ^2 /NDF: 2.7/2

Right Out: 0.011 $\pm$ 0.010 χ^2 /NDF: 14.2/18

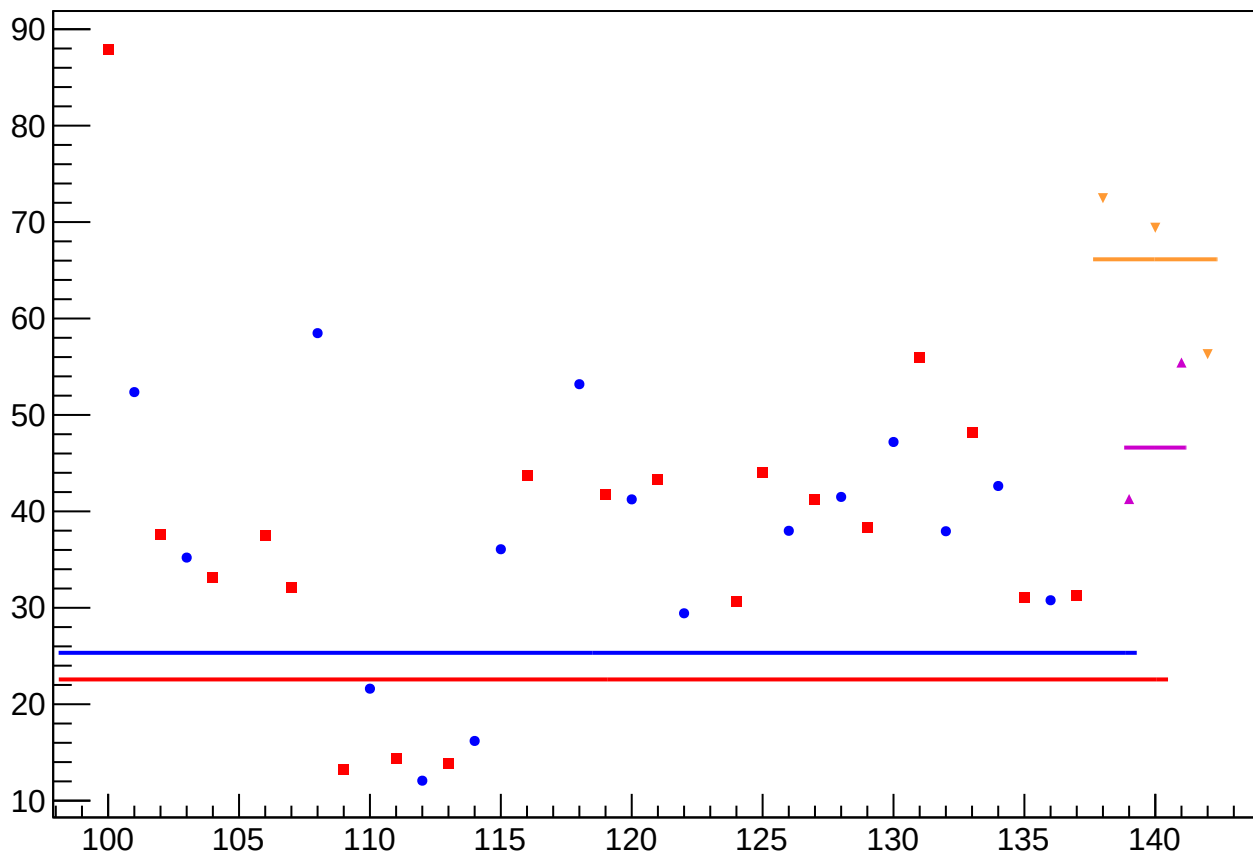
Left In: -0.032 $\pm$ 0.037 χ^2 /NDF: 3.6/1

+ sign 0.018 $\pm$ 0.011 χ^2 /NDF: 28.2/18

All: 0.012 $\pm$ 0.007 χ^2 /NDF: 47.8/39

- sign 0.008 $\pm$ 0.009 χ^2 /NDF: 19.1/20

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: 66.139 $\pm$ 0.034 χ^2/NDF : 40790.1/2

Right Out: 22.571 $\pm$ 0.007 χ^2/NDF : 3140082.3/18

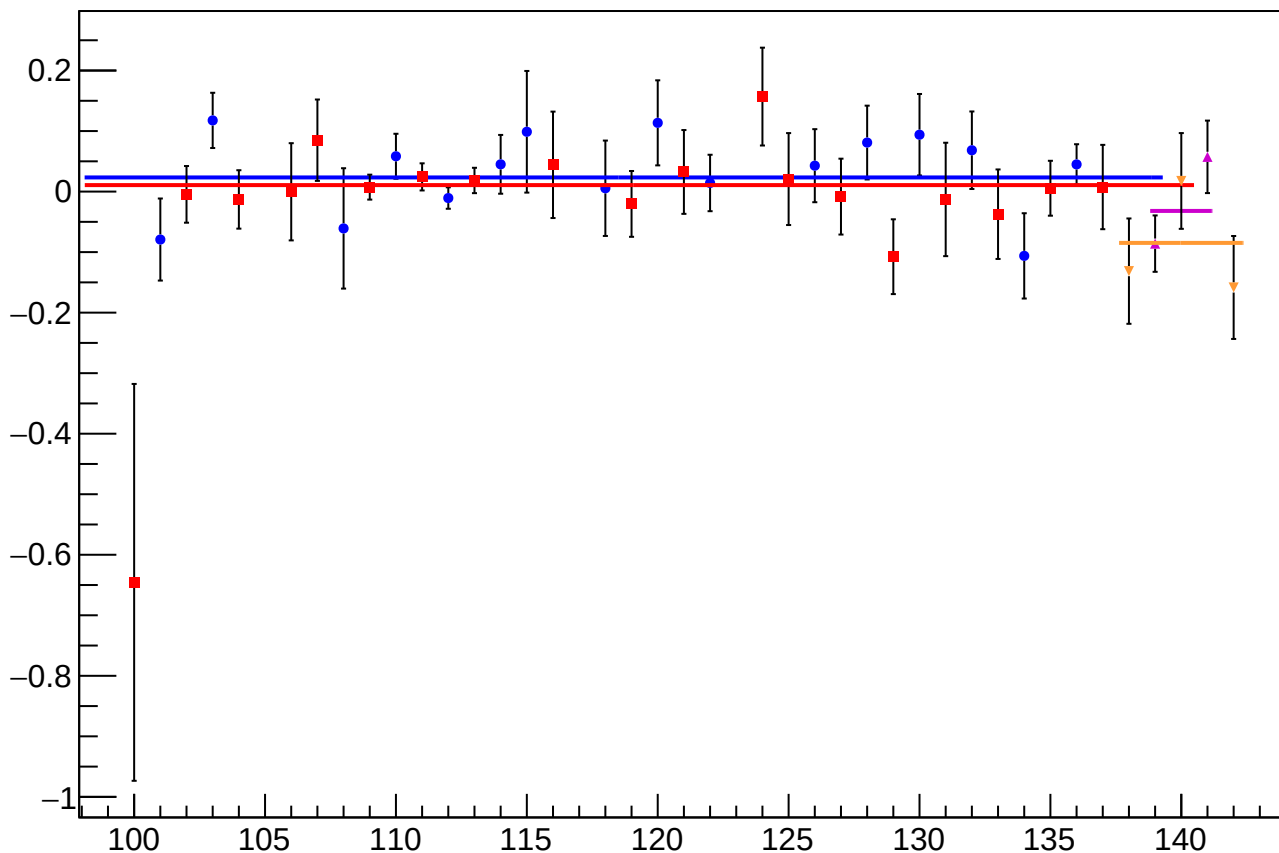
Left In: 46.614 $\pm$ 0.026 χ^2/NDF : 69615.1/1

+ sign 27.375 $\pm$ 0.008 χ^2/NDF : 4326974.9/18

All: 25.563 $\pm$ 0.005 χ^2/NDF : 8435304.5/39

- sign 24.167 $\pm$ 0.007 χ^2/NDF : 4008456.3/20

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: -0.085 ± 0.048 χ^2/NDF : 2.7/2

Right Out: 0.011 ± 0.010 χ^2/NDF : 14.2/18

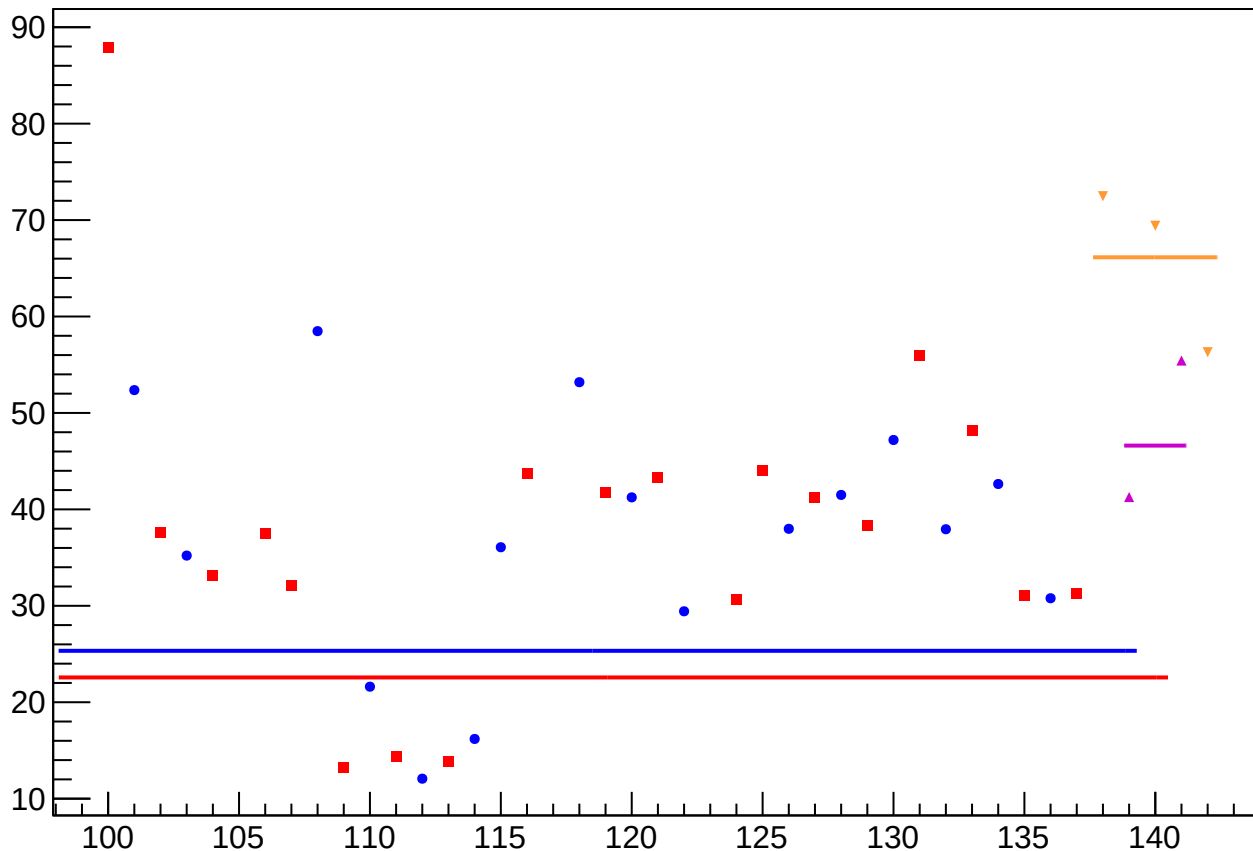
Left In: -0.032 ± 0.037 χ^2/NDF : 3.6/1

+ sign 0.018 ± 0.011 χ^2/NDF : 28.2/18

All: 0.012 ± 0.007 χ^2/NDF : 47.8/39

- sign 0.008 ± 0.009 χ^2/NDF : 19.1/20

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: 66.139 $\pm$ 0.034 χ^2/NDF : 40790.1/2

Right Out: 22.571 $\pm$ 0.007 χ^2/NDF : 3140082.3/18

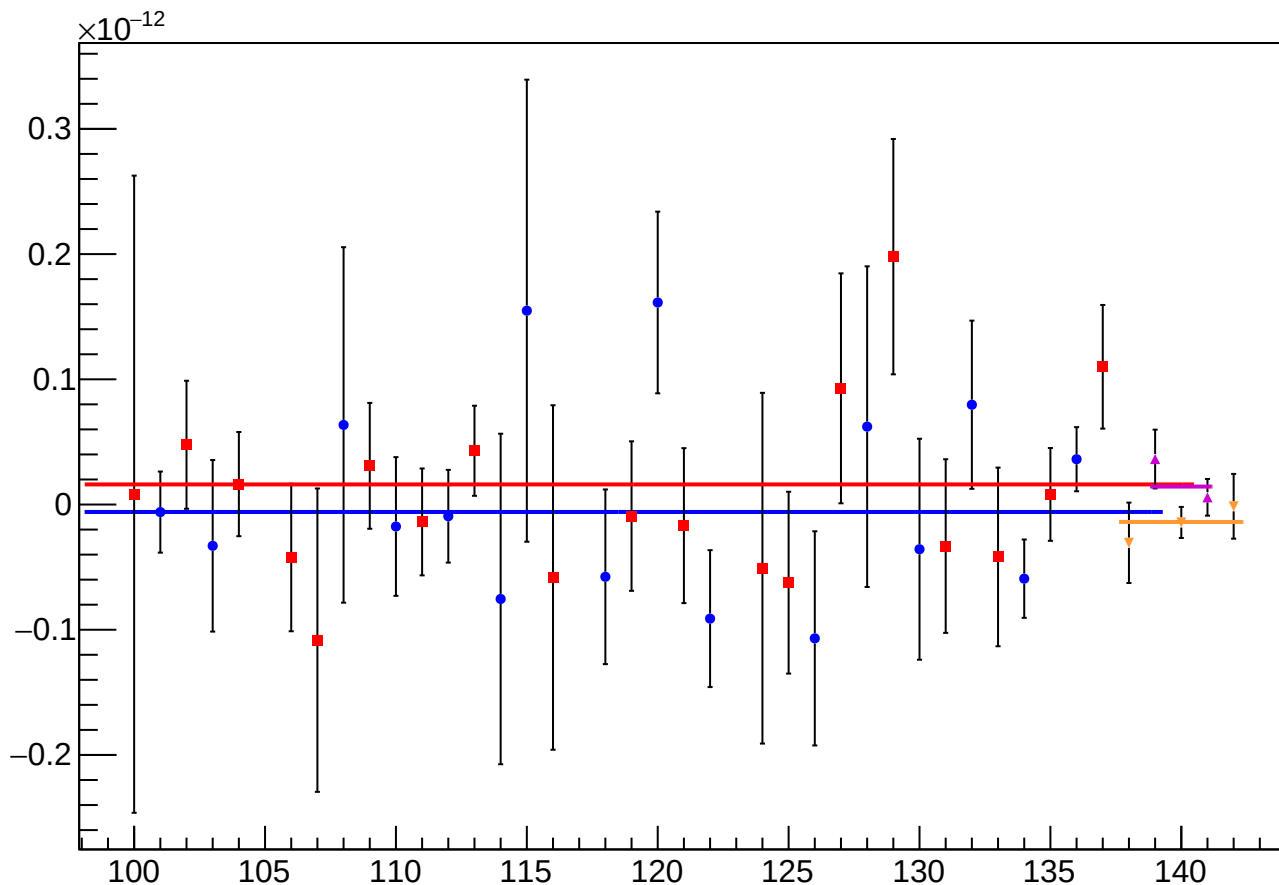
Left In: 46.614 $\pm$ 0.026 χ^2/NDF : 69615.1/1

+ sign 27.375 $\pm$ 0.008 χ^2/NDF : 4326974.9/18

All: 25.563 $\pm$ 0.005 χ^2/NDF : 8435304.5/39

- sign 24.167 $\pm$ 0.007 χ^2/NDF : 4008456.3/20

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 : 0.5/2

Right Out: 0.000+/-0.000 χ^2/NDF : 15.0/18

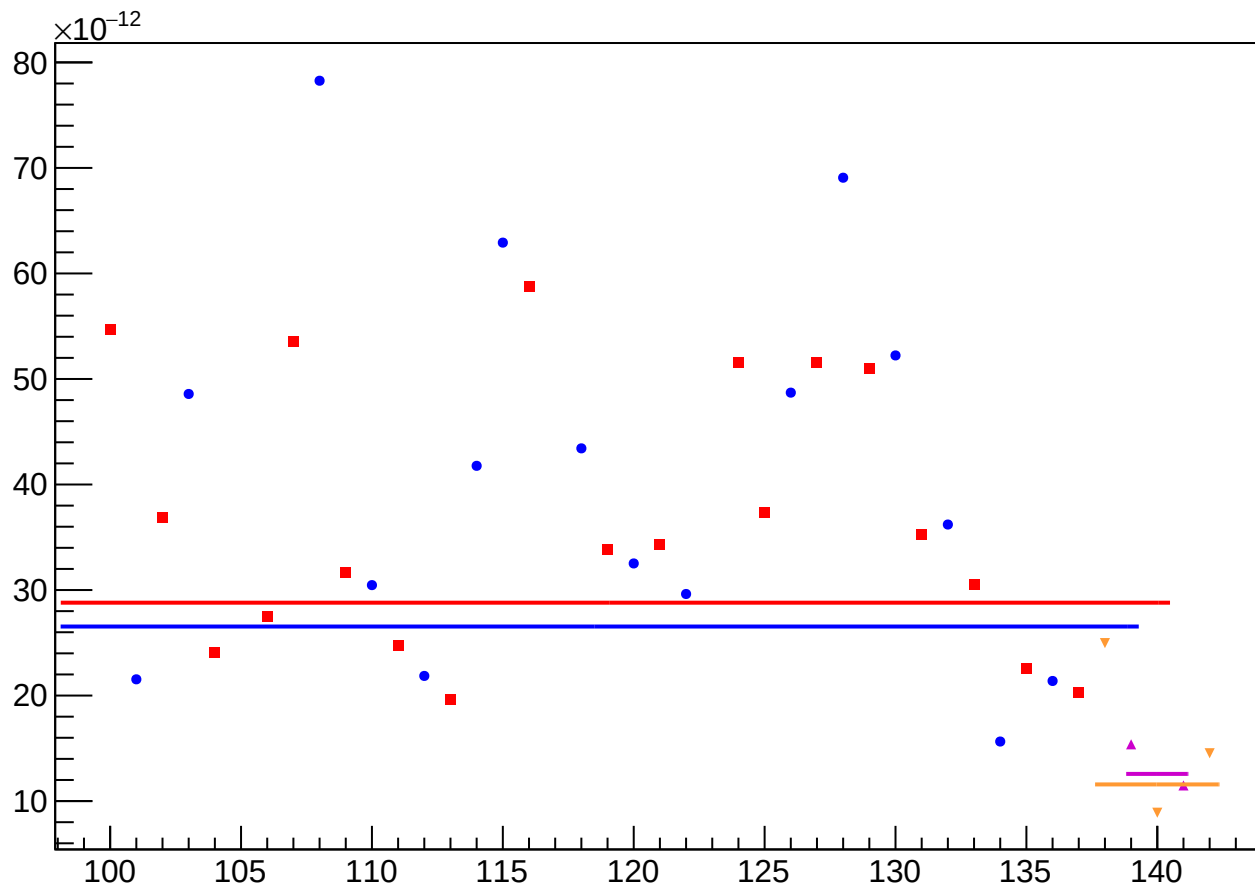
Left In: 0.000+/-0.000 χ^2/NDF : 1.2/1

+ sign -0.000+/-0.000 χ^2/NDF : 19.5/18

All: 0.000+/-0.000 χ^2/NDF : 40.2/39

- sign 0.000+/-0.000 χ^2/NDF : 16.2/20

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 : 467525.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 910681.7/18

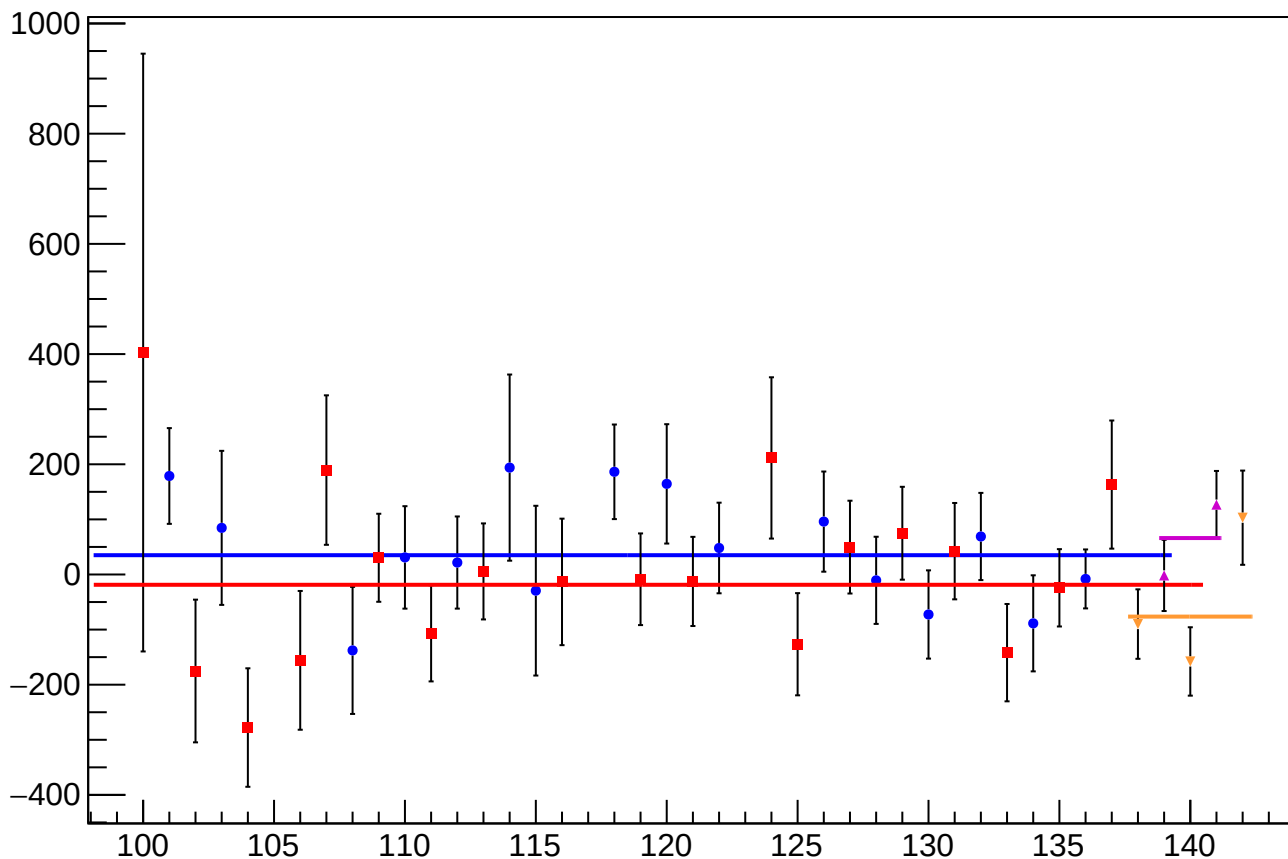
Left In: 0.000+/-0.000 χ^2/NDF : 39727.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 3799389.2/18

All: 0.000+/-0.000 χ^2/NDF : 6421081.0/39

- sign 0.000+/-0.000 χ^2/NDF : 2540588.2/20

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018 $\pm$ 22.134 χ^2 /NDF: 16.2/15

Left Out: -76.416 $\pm$ 39.281 χ^2 /NDF: 6.2/2

Right Out: -18.690 $\pm$ 22.137 χ^2 /NDF: 23.5/18

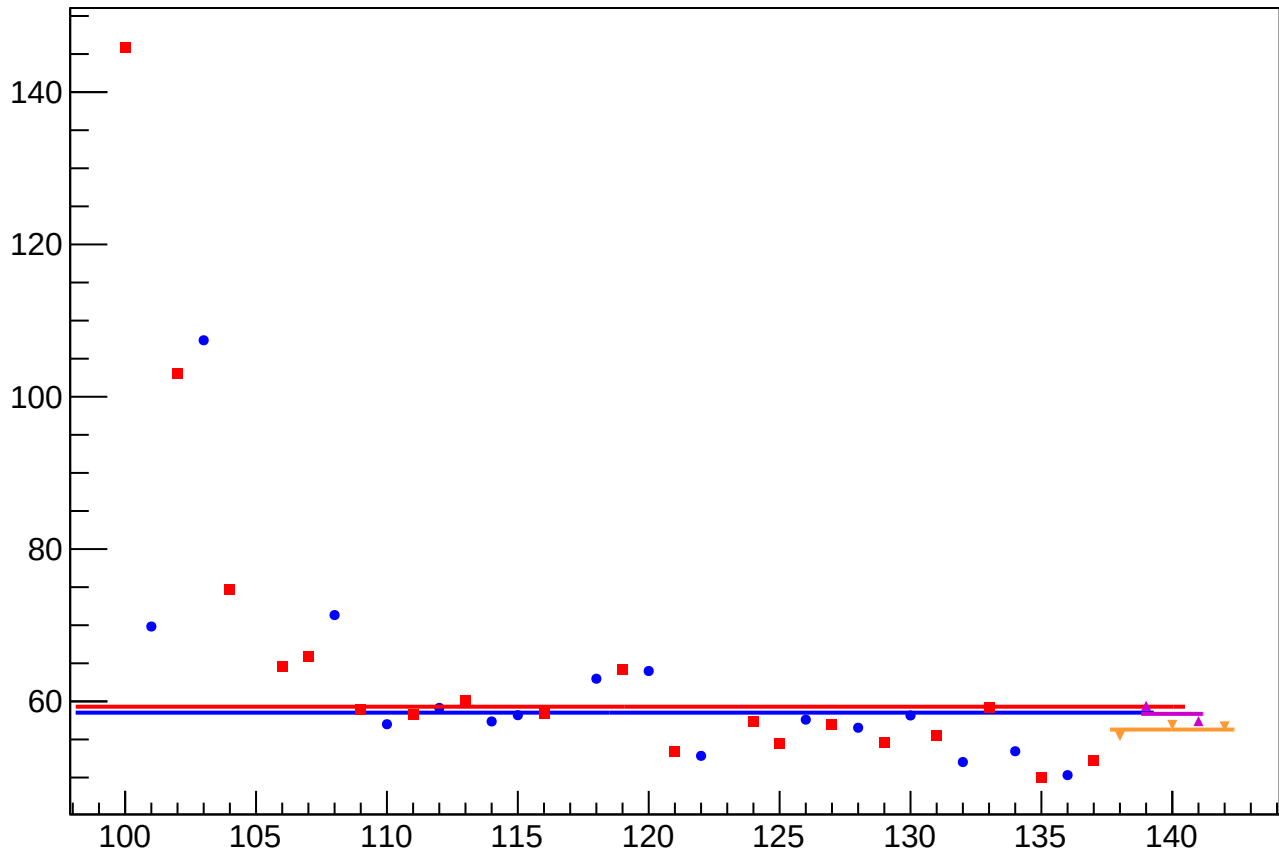
Left In: 66.121 $\pm$ 44.405 χ^2 /NDF: 2.1/1

+ sign 8.163 $\pm$ 19.284 χ^2 /NDF: 28.5/18

All: 3.312 $\pm$ 13.818 χ^2 /NDF: 57.1/39

- sign -1.808 $\pm$ 19.812 χ^2 /NDF: 28.5/20

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522 $\pm$ 0.016 χ^2 /NDF: 392742.4/15

Left Out: 56.299 $\pm$ 0.028 χ^2 /NDF: 597.8/2

Right Out: 59.301 $\pm$ 0.016 χ^2 /NDF: 406611.5/18

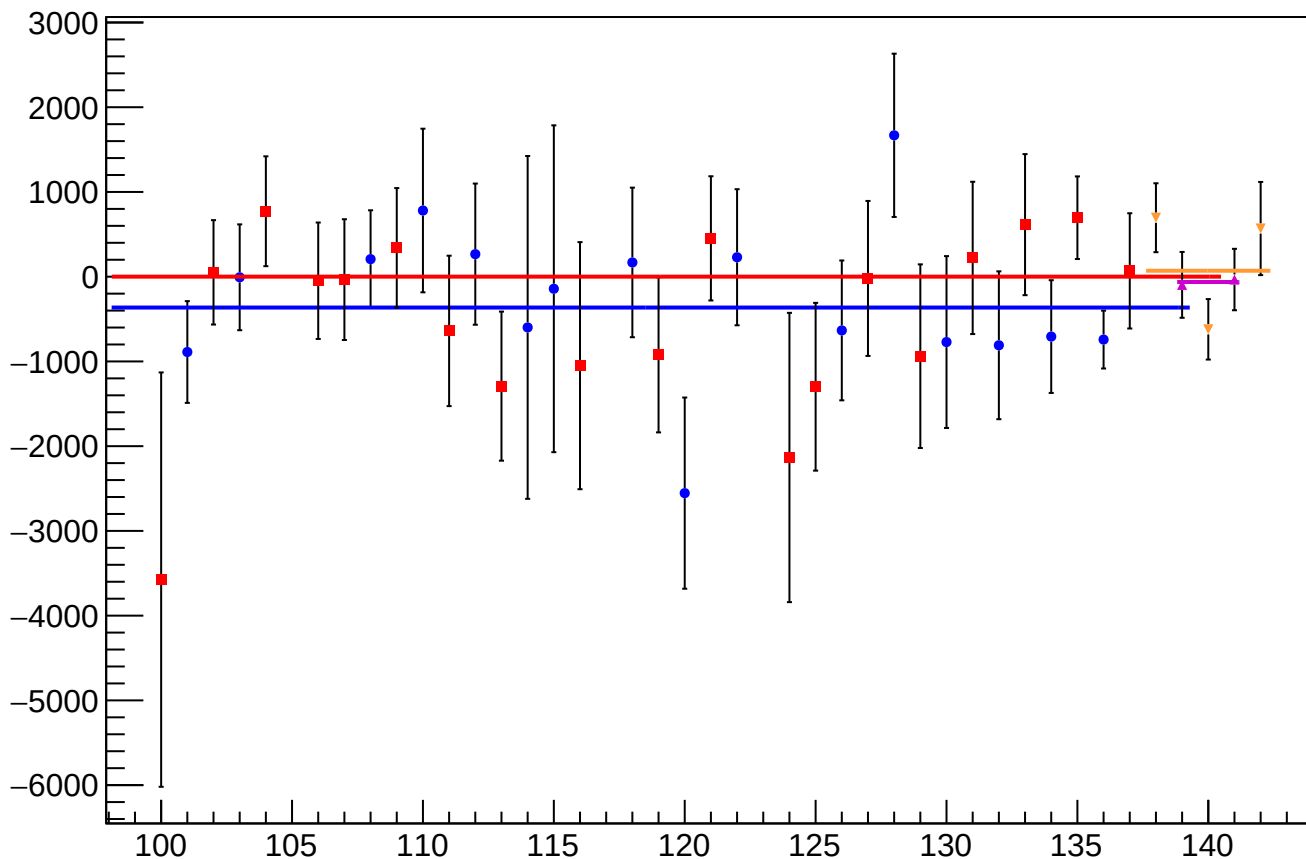
Left In: 58.363 $\pm$ 0.031 χ^2 /NDF: 1021.6/1

+ sign 57.986 $\pm$ 0.014 χ^2 /NDF: 398201.0/18

All: 58.535 $\pm$ 0.010 χ^2 /NDF: 809881.6/39

- sign 59.115 $\pm$ 0.014 χ^2 /NDF: 408348.1/20

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076 ± 180.601 $\chi^2/\text{NDF}: 15.2/15$

Left Out: 70.379 ± 241.065 $\chi^2/\text{NDF}: 6.9/2$

Right Out: 0.570 ± 183.085 $\chi^2/\text{NDF}: 15.1/18$

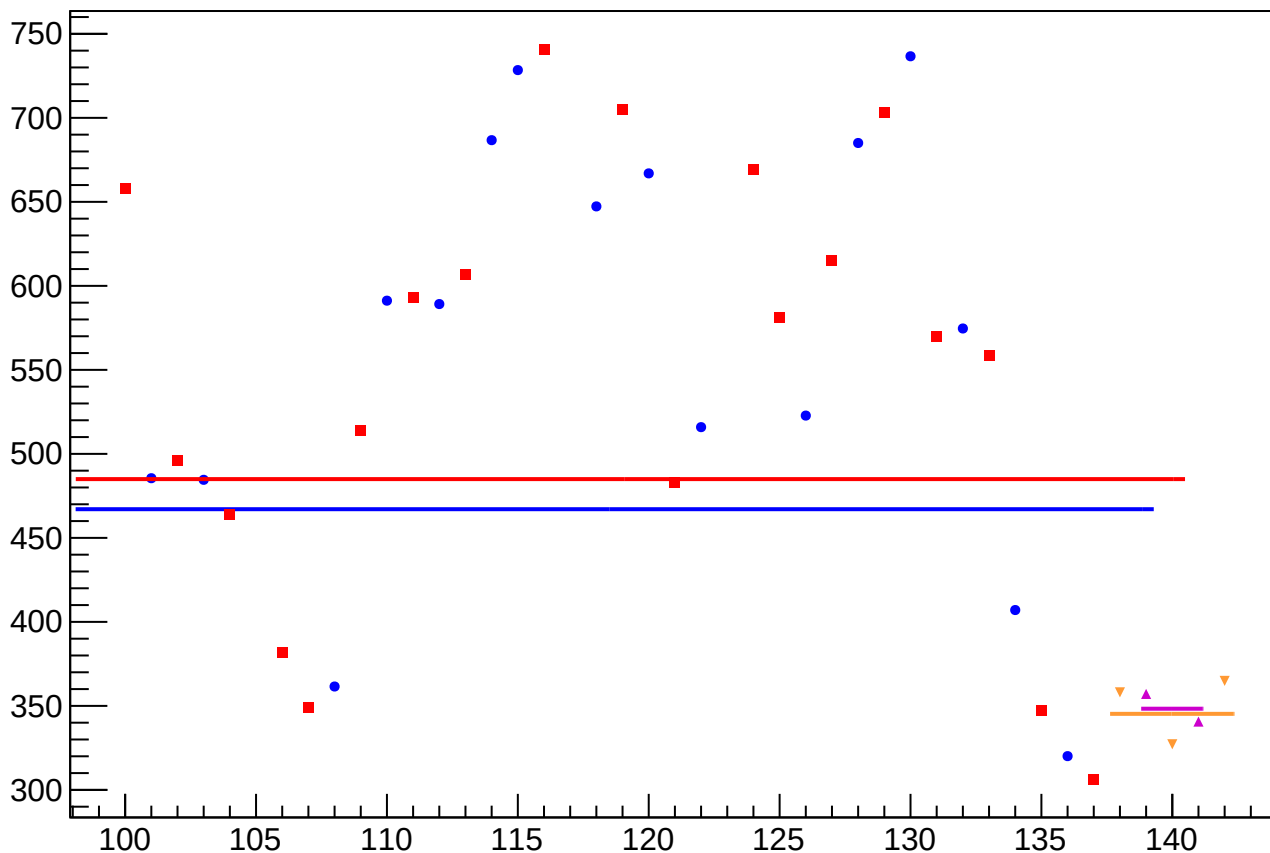
Left In: -62.780 ± 265.079 $\chi^2/\text{NDF}: 0.0/1$

+ sign -207.891 ± 144.537 $\chi^2/\text{NDF}: 24.2/18$

All: -117.780 ± 104.296 $\chi^2/\text{NDF}: 40.2/39$

- sign -19.890 ± 150.646 $\chi^2/\text{NDF}: 15.1/20$

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: 345.266 $\pm$ 0.170 χ^2 /NDF: 9679.1/2

Right Out: 484.982 $\pm$ 0.129 χ^2 /NDF: 874102.2/18

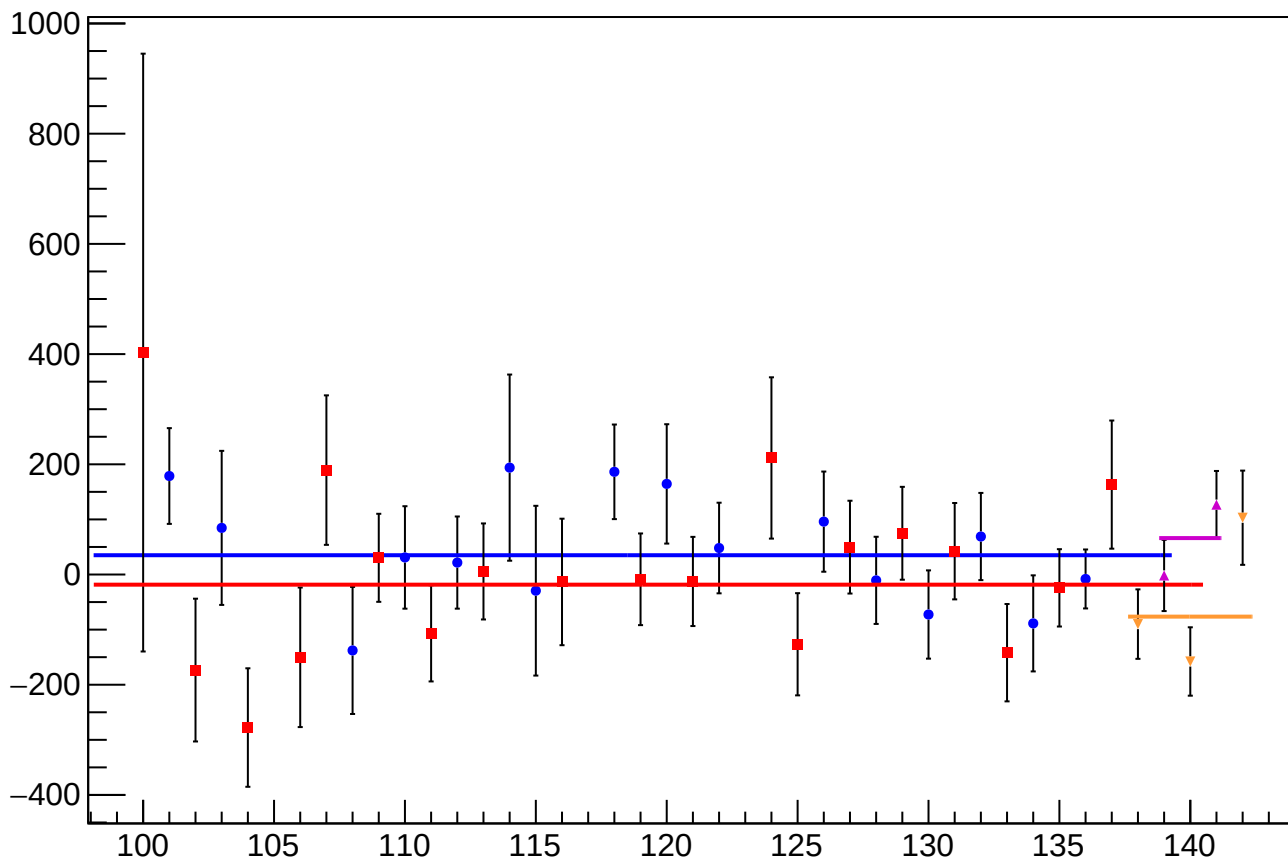
Left In: 348.322 $\pm$ 0.187 χ^2 /NDF: 1921.1/1

+ sign 423.281 $\pm$ 0.102 χ^2 /NDF: 1366991.8/18

All: 431.699 $\pm$ 0.074 χ^2 /NDF: 2617059.2/39

- sign 440.845 $\pm$ 0.107 χ^2 /NDF: 1235911.9/20

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017 $\pm$ 22.134 χ^2 /NDF: 16.2/15

Left Out: -76.409 $\pm$ 39.281 χ^2 /NDF:6.2/2

Right Out: -18.417 $\pm$ 22.141 χ^2 /NDF: 23.4/18

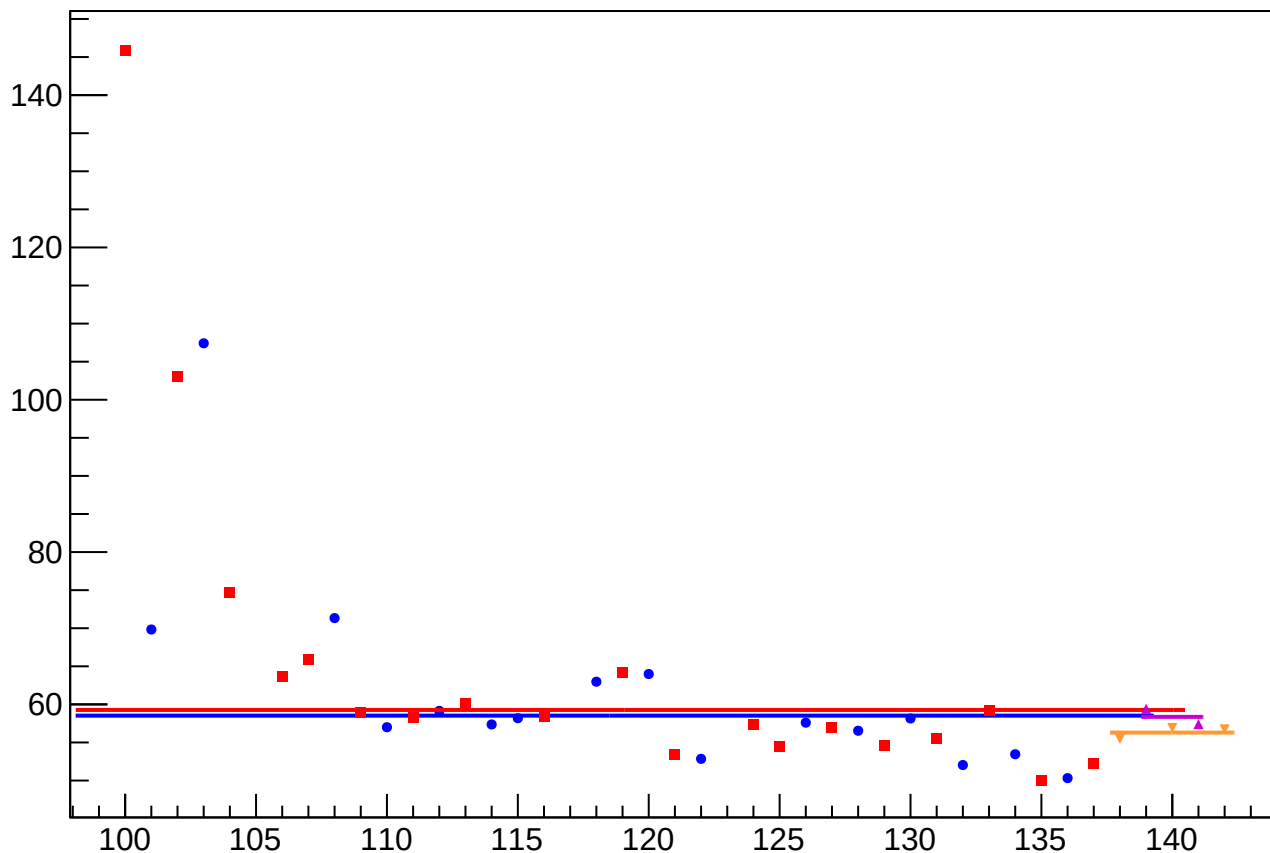
Left In: 66.123 $\pm$ 44.405 χ^2 /NDF:2.1/1

+ sign 8.163 $\pm$ 19.284 χ^2 /NDF: 28.5/18

All: 3.422 $\pm$ 13.819 χ^2 /NDF: 56.9/39

- sign -1.584 $\pm$ 19.815 χ^2 /NDF: 28.4/20

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522 $\pm$ 0.016 χ^2 /NDF: 392744.5/15

Left Out: 56.299 $\pm$ 0.028 χ^2 /NDF: 597.8/2

Right Out: 59.269 $\pm$ 0.016 χ^2 /NDF: 405616.3/18

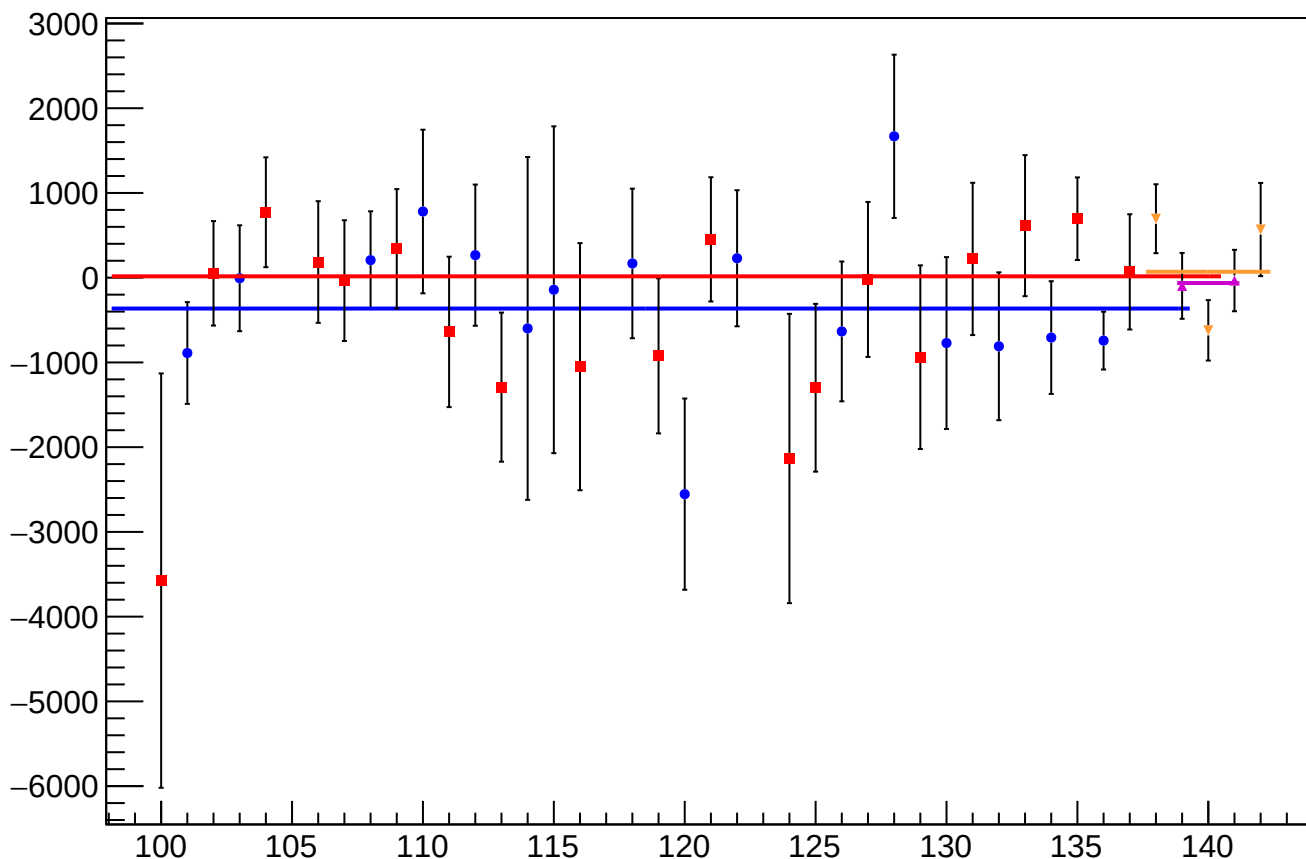
Left In: 58.363 $\pm$ 0.031 χ^2 /NDF: 1021.6/1

+ sign 57.986 $\pm$ 0.014 χ^2 /NDF: 398203.1/18

All: 58.522 $\pm$ 0.010 χ^2 /NDF: 808691.2/39

- sign 59.089 $\pm$ 0.014 χ^2 /NDF: 407305.2/20

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040 ± 180.602 χ^2/NDF : 15.2/15

Left Out: 70.375 ± 241.065 χ^2/NDF : 6.9/2

Right Out: 16.087 ± 183.650 χ^2/NDF : 15.1/18

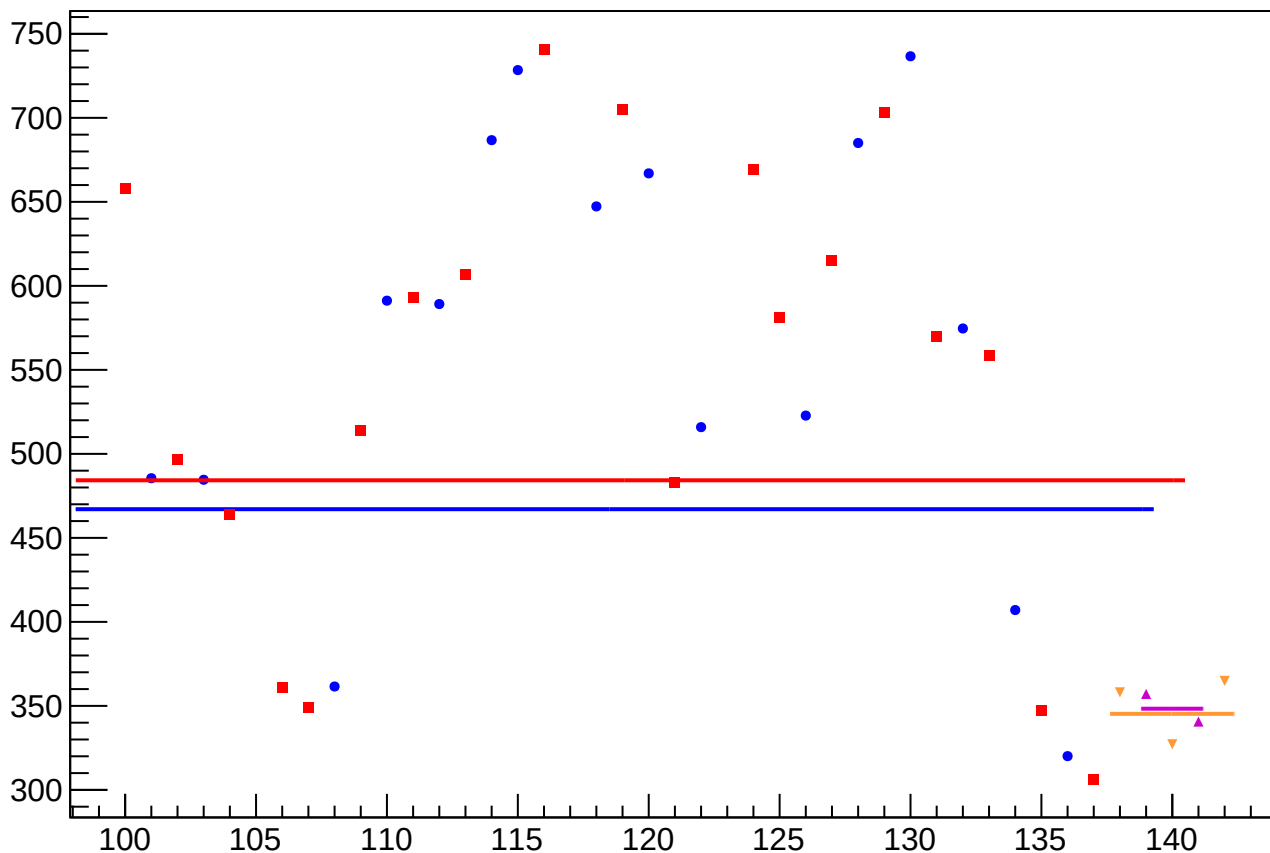
Left In: -62.786 ± 265.079 χ^2/NDF : 0.0/1

+ sign -207.868 ± 144.538 χ^2/NDF : 24.2/18

All: -112.990 ± 104.400 χ^2/NDF : 40.4/39

- sign -9.493 ± 150.960 χ^2/NDF : 15.2/20

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071 ± 0.128 $\chi^2/\text{NDF}: 1030281.3/15$

Left Out: 345.266 ± 0.170 $\chi^2/\text{NDF}: 9679.4/2$

Right Out: 484.274 ± 0.130 $\chi^2/\text{NDF}: 888797.2/18$

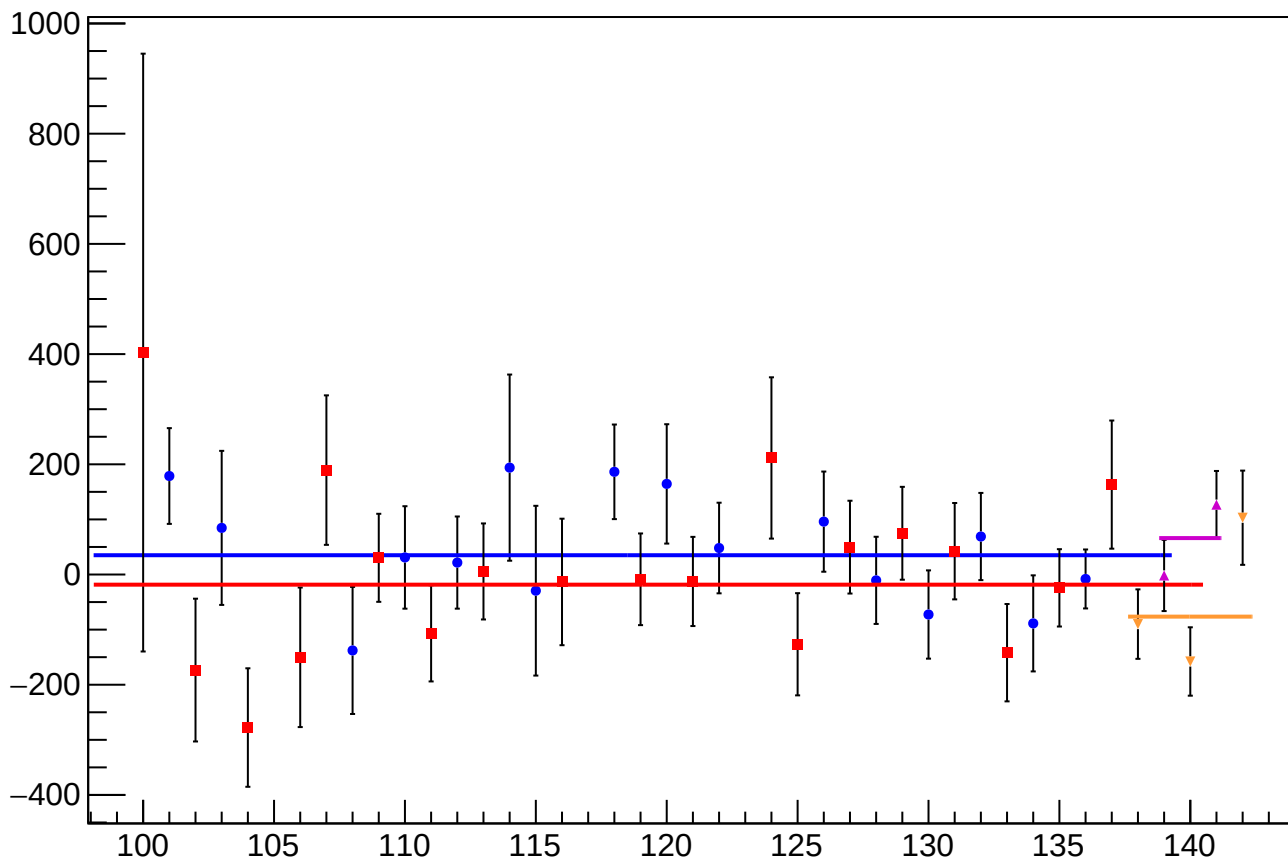
Left In: 348.322 ± 0.187 $\chi^2/\text{NDF}: 1921.1/1$

+ sign 423.282 ± 0.102 $\chi^2/\text{NDF}: 1367007.6/18$

All: 431.365 ± 0.074 $\chi^2/\text{NDF}: 2626262.8/39$

- sign 440.182 ± 0.107 $\chi^2/\text{NDF}: 1246178.3/20$

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017 $\pm$ 22.134 χ^2 /NDF: 16.2/15

Left Out: -76.409 $\pm$ 39.281 χ^2 /NDF:6.2/2

Right Out: -18.417 $\pm$ 22.141 χ^2 /NDF: 23.4/18

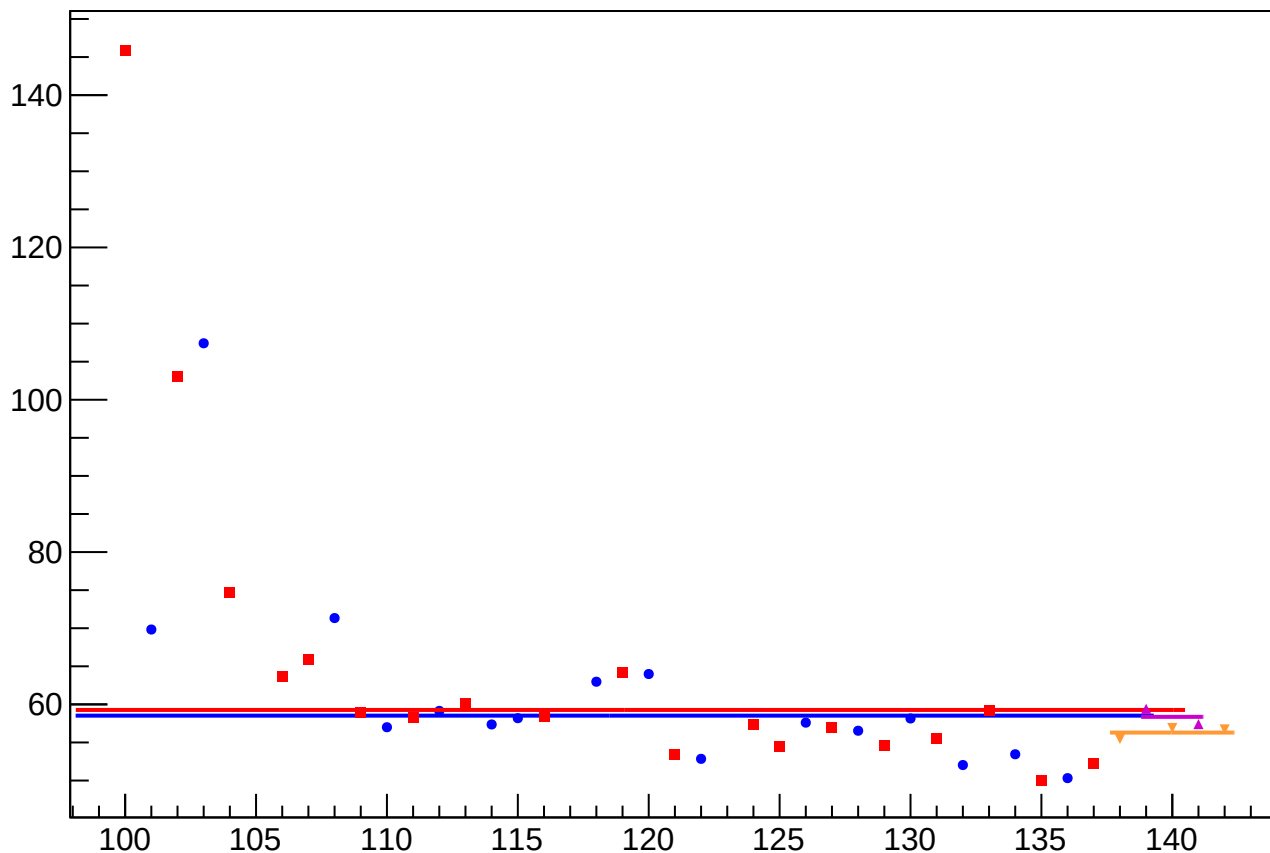
Left In: 66.123 $\pm$ 44.405 χ^2 /NDF:2.1/1

+ sign 8.163 $\pm$ 19.284 χ^2 /NDF: 28.5/18

All: 3.422 $\pm$ 13.819 χ^2 /NDF: 56.9/39

- sign -1.584 $\pm$ 19.815 χ^2 /NDF: 28.4/20

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: 56.299 $\pm$ 0.028 χ^2 /NDF: 597.8/2

Right Out: 59.269 $\pm$ 0.016 χ^2 /NDF: 405616.3/18

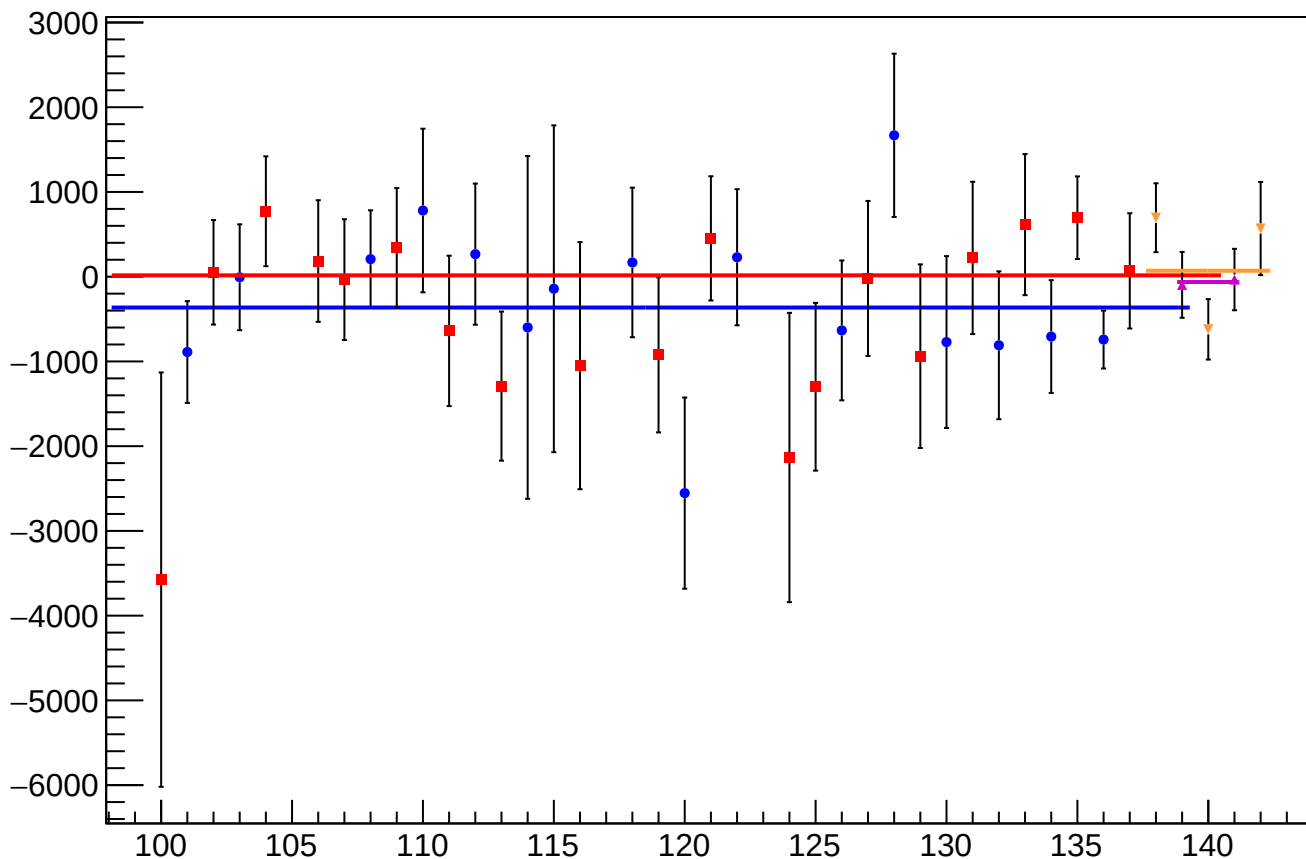
Left In: 58.363 $\pm$ 0.031 χ^2 /NDF: 1021.6/1

+ sign 57.986 $\pm$ 0.014 χ^2 /NDF: 398203.1/18

All: 58.522 $\pm$ 0.010 χ^2 /NDF: 808691.2/39

- sign 59.089 $\pm$ 0.014 χ^2 /NDF: 407305.2/20

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug



Right In: -364.040 ± 180.602 χ^2/NDF : 15.2/15

Left Out: 70.375 ± 241.065 χ^2/NDF : 6.9/2

Right Out: 16.087 ± 183.650 χ^2/NDF : 15.1/18

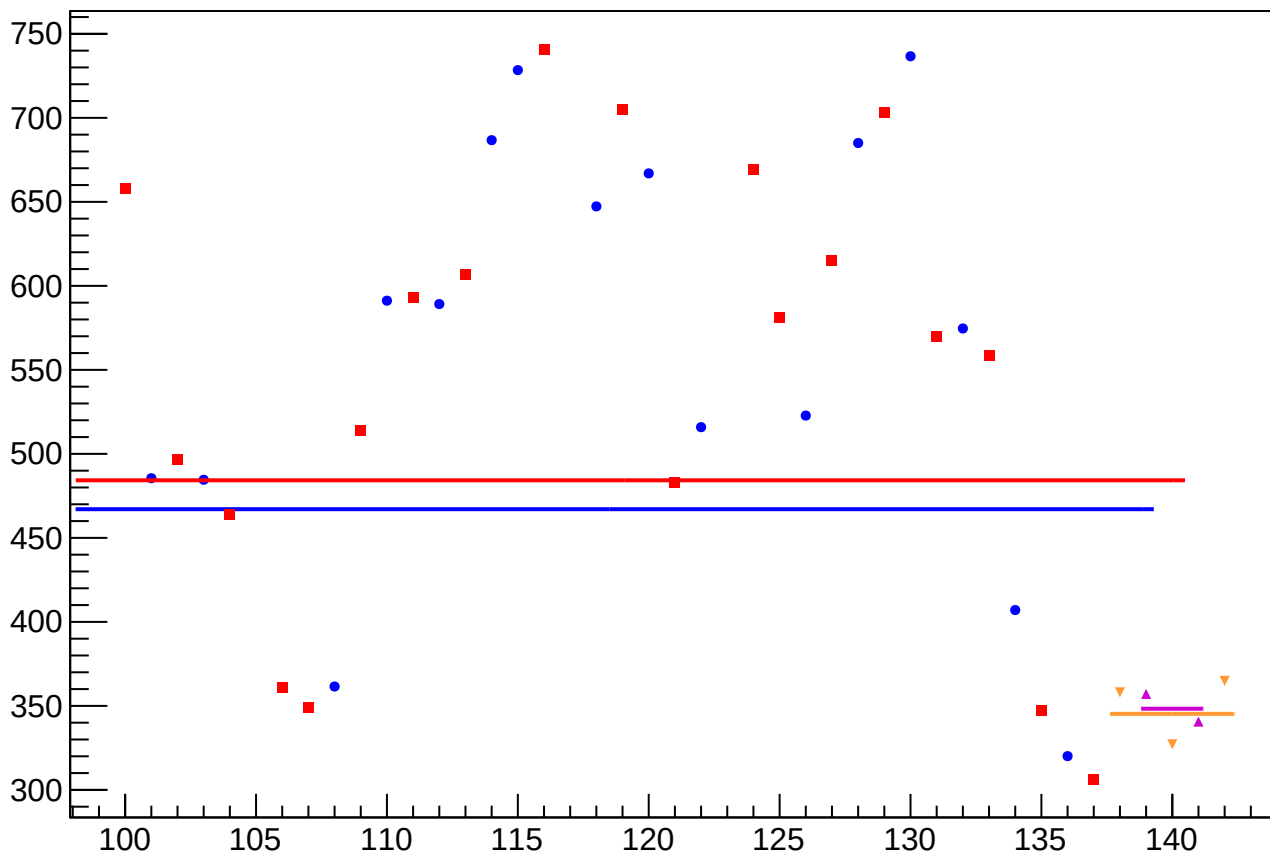
Left In: -62.786 ± 265.079 χ^2/NDF : 0.0/1

+ sign -207.868 ± 144.538 χ^2/NDF : 24.2/18

All: -112.990 ± 104.400 χ^2/NDF : 40.4/39

- sign -9.493 ± 150.960 χ^2/NDF : 15.2/20

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF : 1030281.3/15

Left Out: 345.266+/-0.170 χ^2/NDF : 9679.4/2

Right Out: 484.274+/-0.130 χ^2/NDF : 888797.2/18

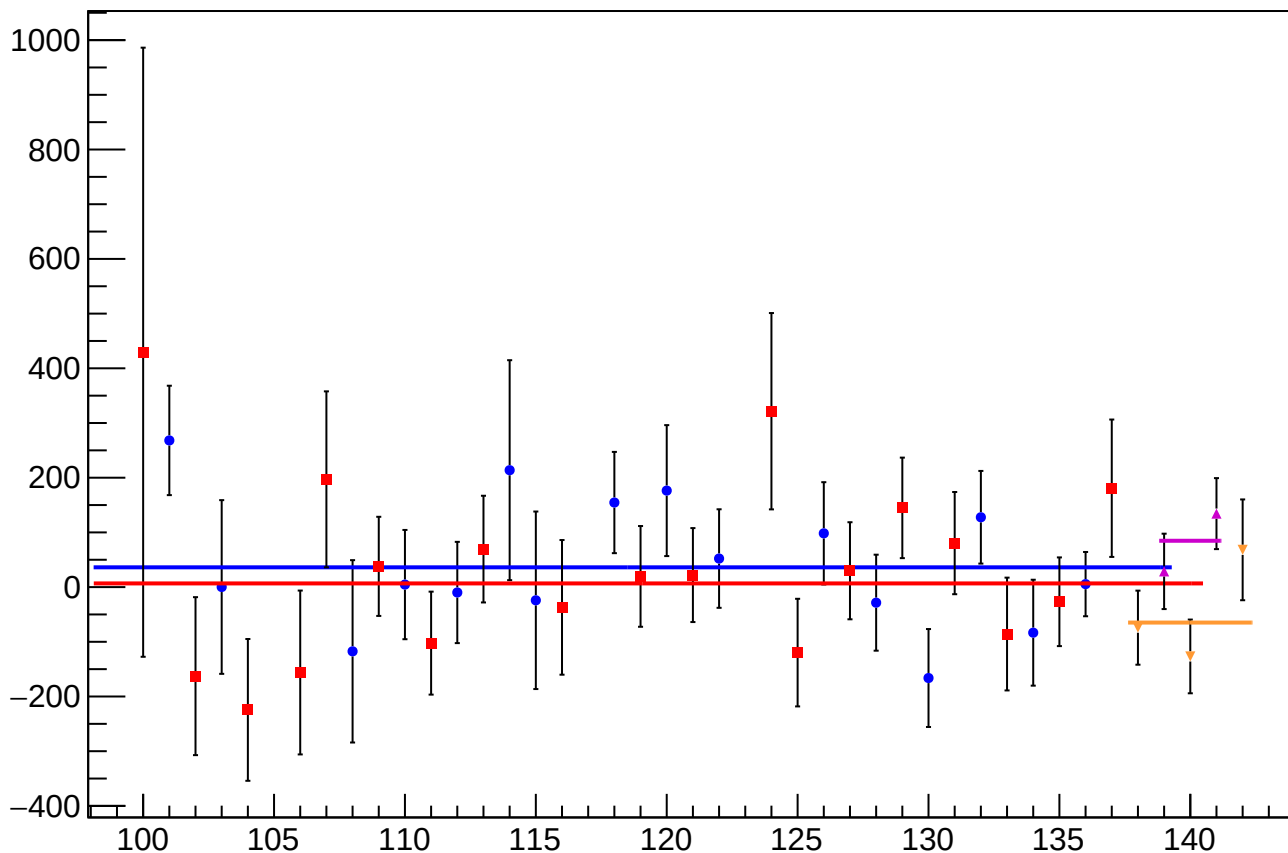
Left In: 348.322+/-0.187 χ^2/NDF : 1921.1/1

+ sign 423.282+/-0.102 χ^2/NDF : 1367007.6/18

All: 431.365+/-0.074 χ^2/NDF : 2626262.8/39

- sign 440.182+/-0.107 χ^2/NDF : 1246178.3/20

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157 ± 24.471 $\chi^2/\text{NDF}: 19.6/15$

Left Out: -64.835 ± 42.406 $\chi^2/\text{NDF}: 2.9/2$

Right Out: 6.734 ± 24.565 $\chi^2/\text{NDF}: 20.3/18$

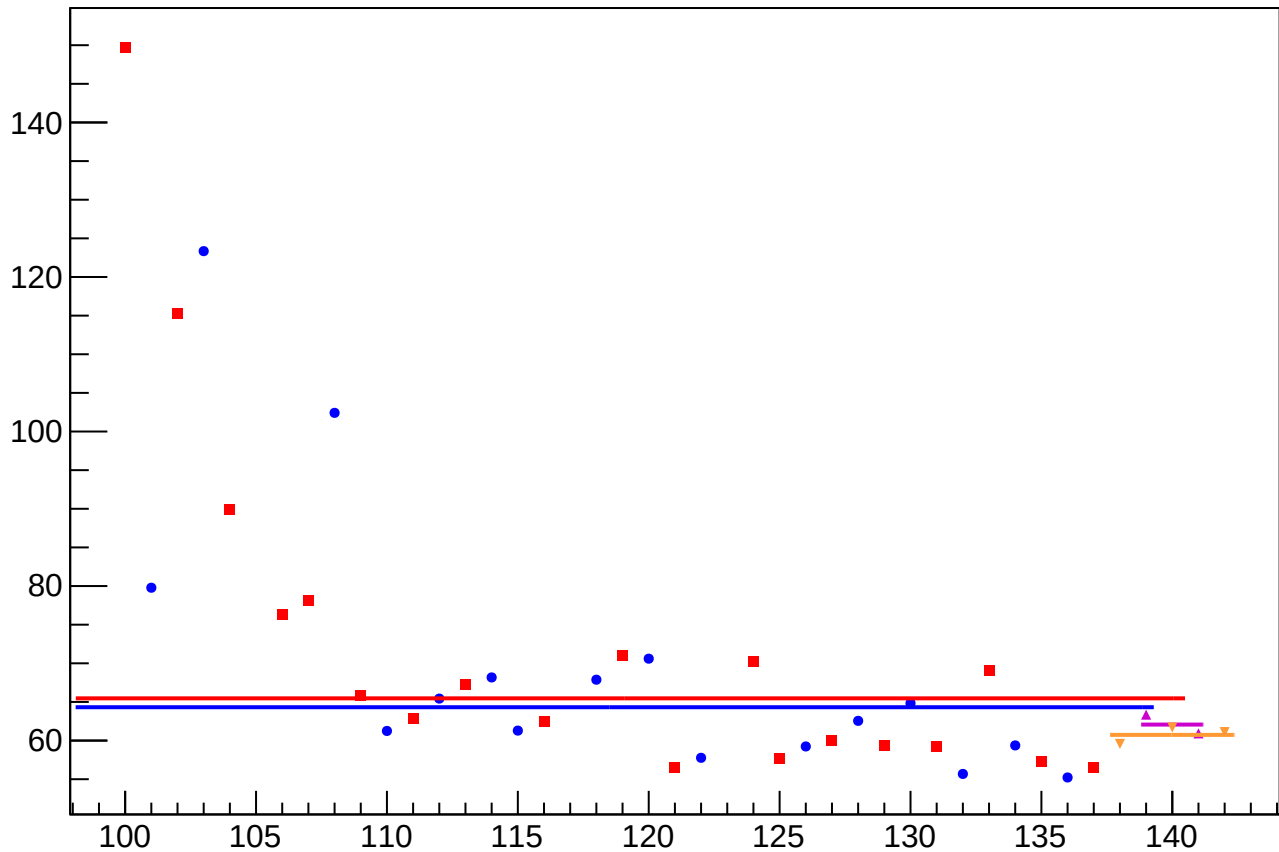
Left In: 84.713 ± 47.244 $\chi^2/\text{NDF}: 1.2/1$

+ sign 10.927 ± 21.195 $\chi^2/\text{NDF}: 26.8/18$

All: 16.955 ± 15.195 $\chi^2/\text{NDF}: 50.8/39$

- sign 23.330 ± 21.795 $\chi^2/\text{NDF}: 23.7/20$

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316 $\pm$ 0.017 χ^2 /NDF: 532065.0/15

Left Out: 60.736 $\pm$ 0.030 χ^2 /NDF:1033.5/2

Right Out: 65.466 $\pm$ 0.017 χ^2 /NDF: 482361.0/18

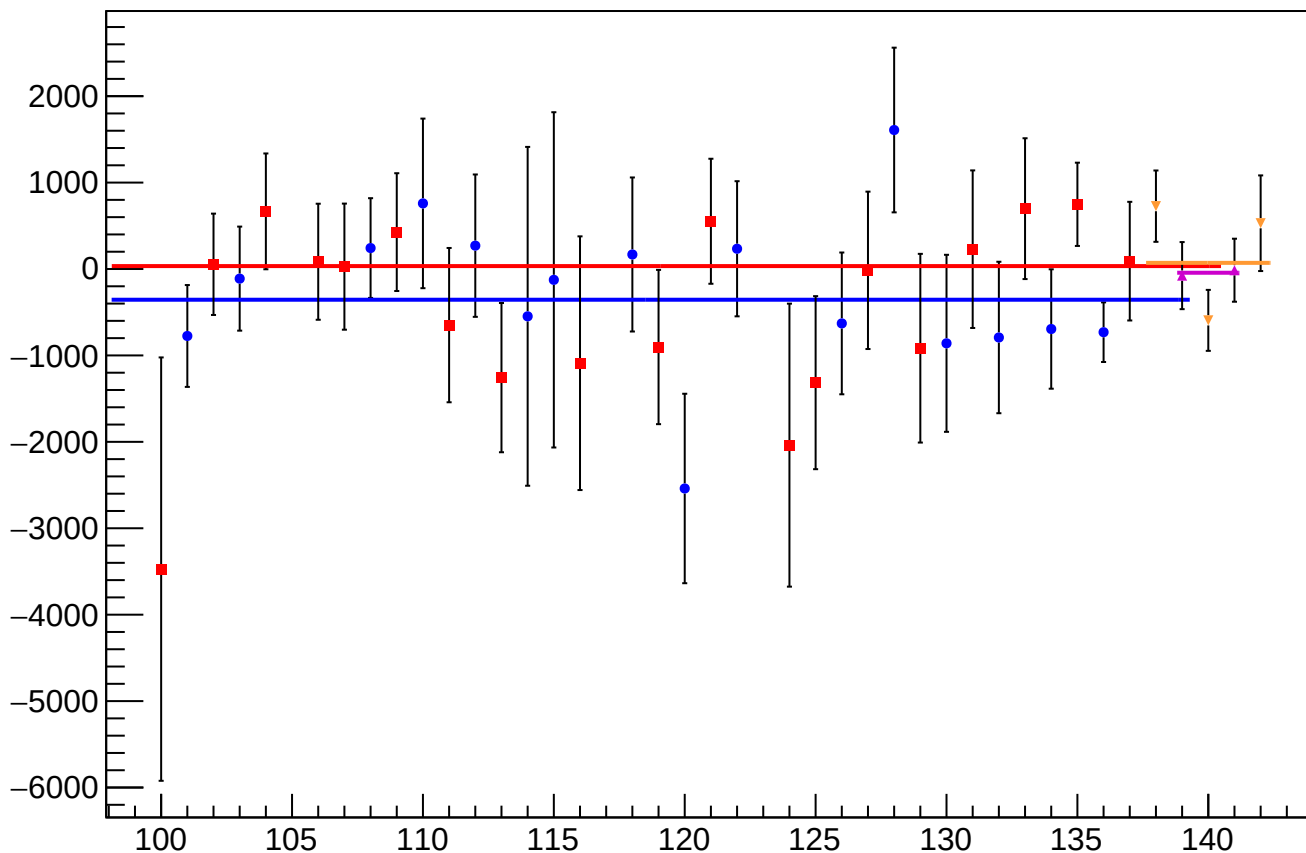
Left In: 62.071 $\pm$ 0.033 χ^2 /NDF:1315.9/1

+ sign 63.422 $\pm$ 0.015 χ^2 /NDF: 543791.6/18

All: 64.064 $\pm$ 0.011 χ^2 /NDF: 1039378.4/39

- sign 64.744 $\pm$ 0.015 χ^2 /NDF: 491807.5/20

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529 ± 180.335 χ^2/NDF : 14.8/15

Left Out: 71.195 ± 241.303 χ^2/NDF : 6.8/2

Right Out: 33.786 ± 181.561 χ^2/NDF : 15.4/18

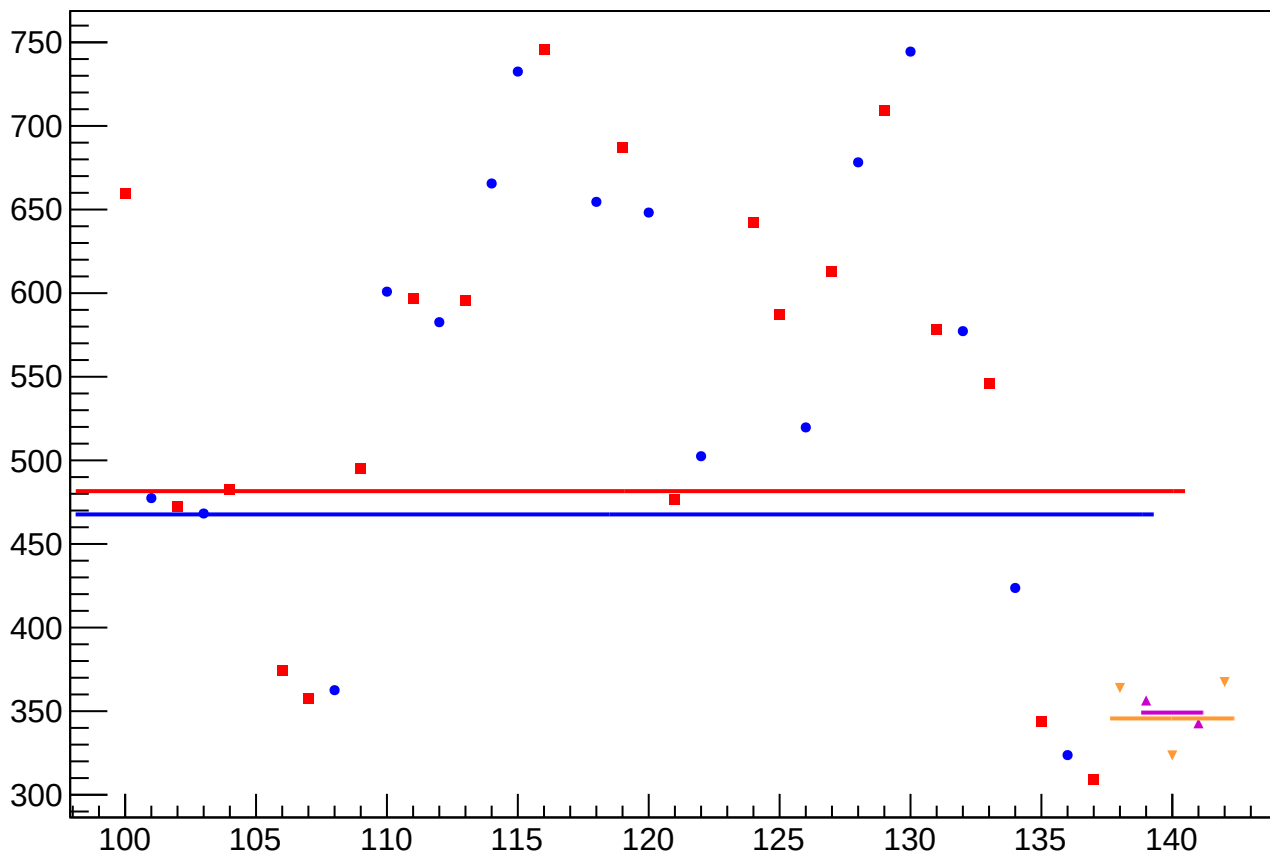
Left In: -43.298 ± 265.733 χ^2/NDF : 0.0/1

+ sign -202.607 ± 144.452 χ^2/NDF : 23.6/18

All: -100.604 ± 104.019 χ^2/NDF : 40.1/39

- sign 9.254 ± 149.911 χ^2/NDF : 15.5/20

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674 ± 0.128 $\chi^2/\text{NDF}: 985943.7/15$

Left Out: 345.658 ± 0.171 $\chi^2/\text{NDF}: 14857.9/2$

Right Out: 481.599 ± 0.128 $\chi^2/\text{NDF}: 854281.1/18$

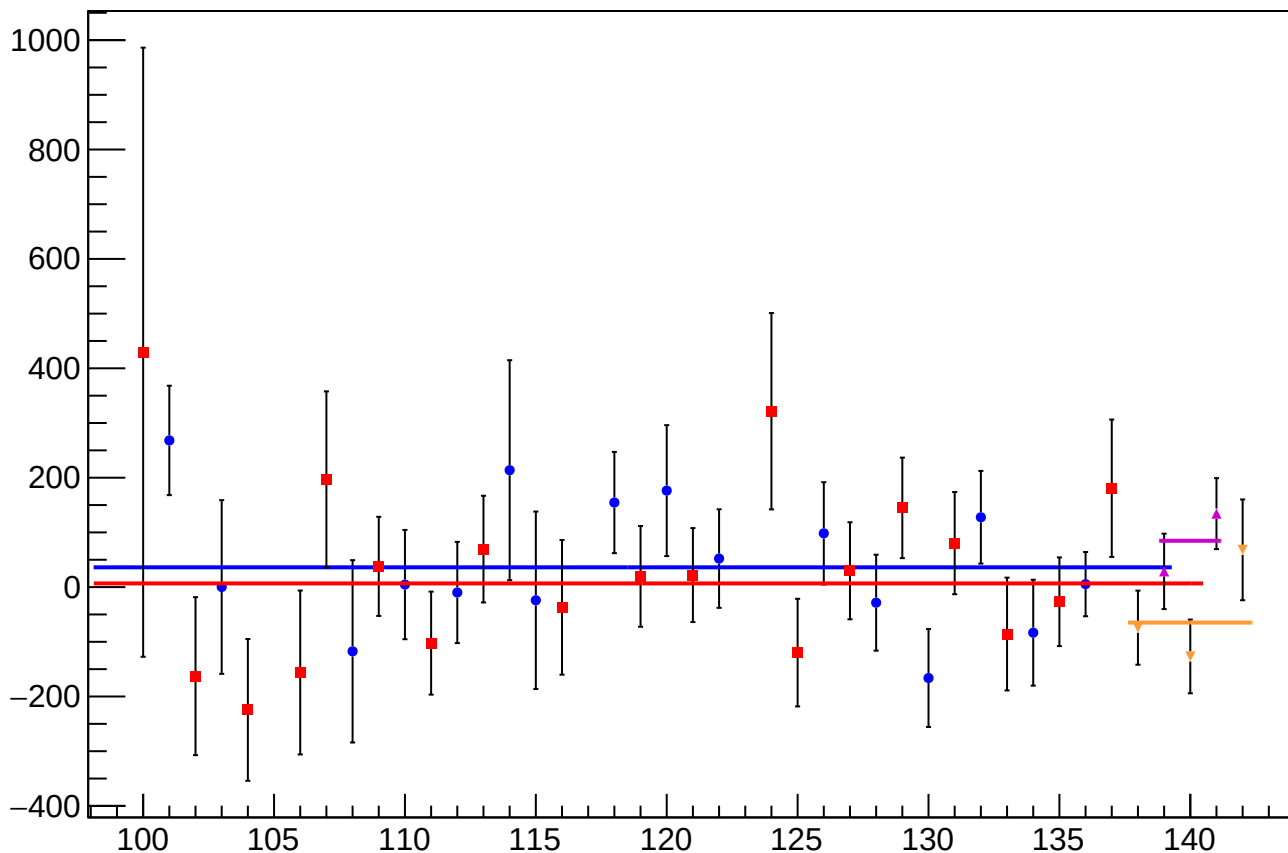
Left In: 349.159 ± 0.188 $\chi^2/\text{NDF}: 1311.5/1$

+ sign 423.949 ± 0.102 $\chi^2/\text{NDF}: 1328917.4/18$

All: 431.412 ± 0.074 $\chi^2/\text{NDF}: 2534287.5/39$

- sign 439.450 ± 0.106 $\chi^2/\text{NDF}: 1194281.7/20$

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157 ± 24.471 $\chi^2/\text{NDF}: 19.6/15$

Left Out: -64.834 ± 42.406 $\chi^2/\text{NDF}: 2.9/2$

Right Out: 6.735 ± 24.565 $\chi^2/\text{NDF}: 20.3/18$

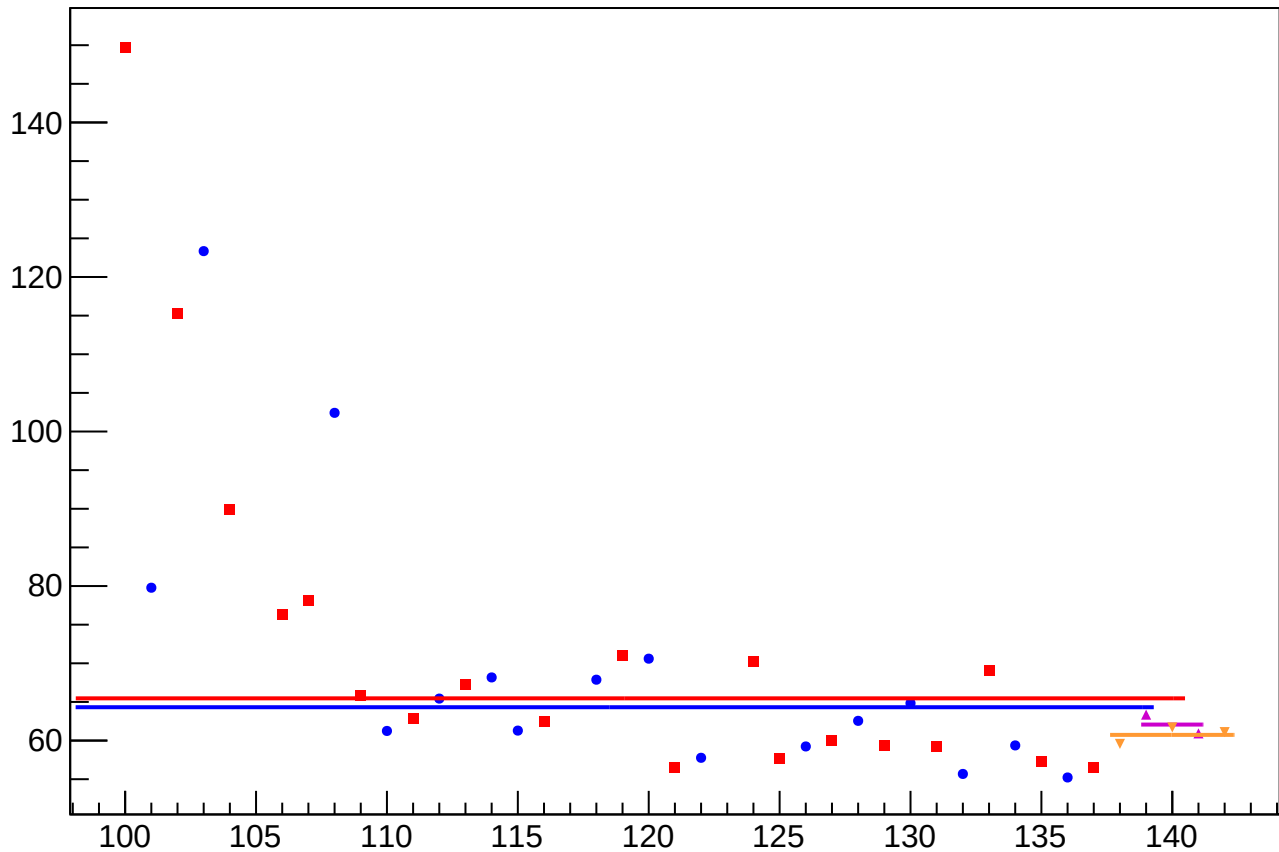
Left In: 84.712 ± 47.244 $\chi^2/\text{NDF}: 1.2/1$

+ sign 10.928 ± 21.195 $\chi^2/\text{NDF}: 26.8/18$

All: 16.956 ± 15.195 $\chi^2/\text{NDF}: 50.8/39$

- sign 23.330 ± 21.795 $\chi^2/\text{NDF}: 23.7/20$

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: 60.736 ± 0.030 $\chi^2/\text{NDF}: 1033.4/2$

Right Out: 65.466 ± 0.017 $\chi^2/\text{NDF}: 482367.1/18$

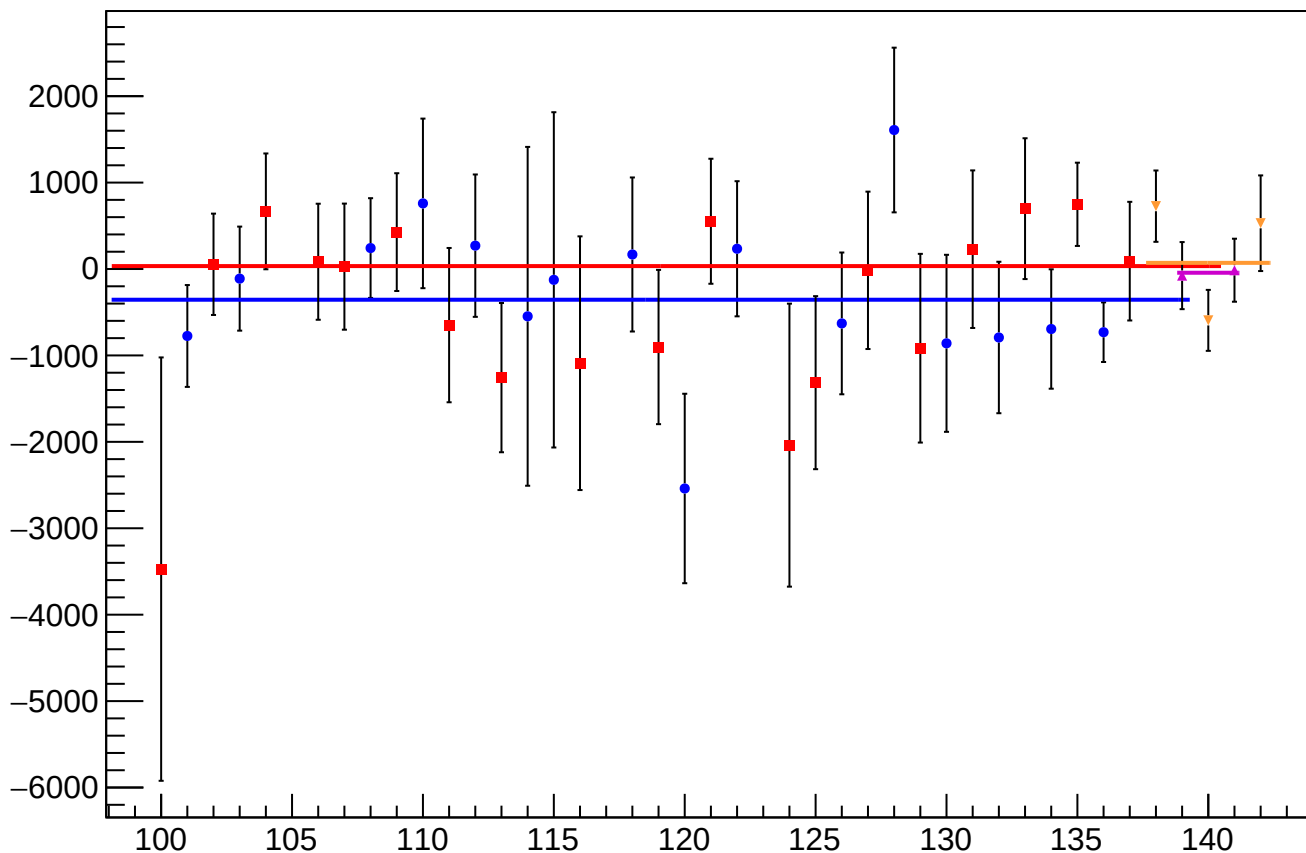
Left In: 62.071 ± 0.033 $\chi^2/\text{NDF}: 1315.7/1$

+ sign 63.422 ± 0.015 $\chi^2/\text{NDF}: 543798.7/18$

All: 64.064 ± 0.011 $\chi^2/\text{NDF}: 1039390.5/39$

- sign 64.743 ± 0.015 $\chi^2/\text{NDF}: 491812.5/20$

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug



Right In: -355.529 ± 180.334 χ^2/NDF : 14.8/15

Left Out: 71.194 ± 241.304 χ^2/NDF : 6.8/2

Right Out: 33.787 ± 181.560 χ^2/NDF : 15.4/18

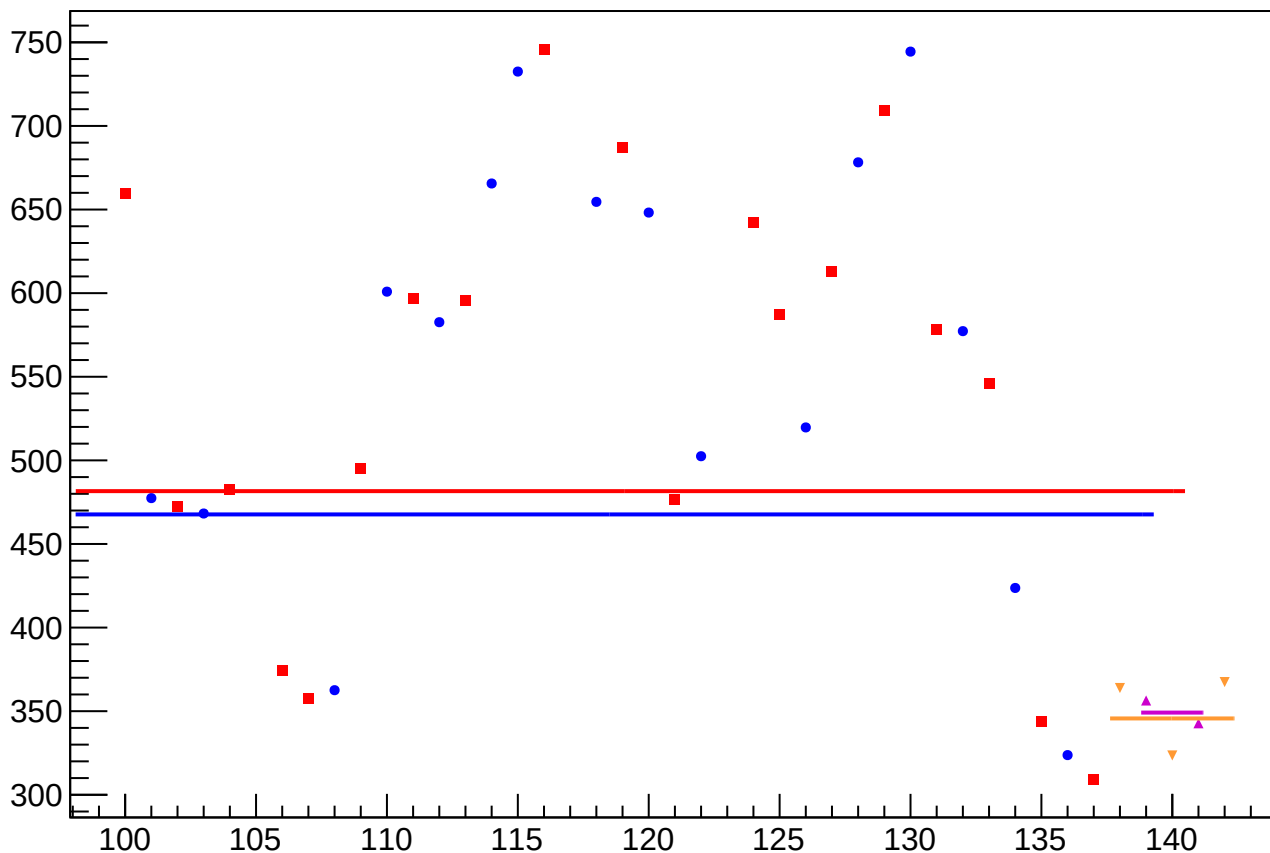
Left In: -43.298 ± 265.733 χ^2/NDF : 0.0/1

+ sign -202.608 ± 144.452 χ^2/NDF : 23.6/18

All: -100.604 ± 104.019 χ^2/NDF : 40.1/39

- sign 9.254 ± 149.911 χ^2/NDF : 15.5/20

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 467.674 ± 0.128 χ^2/NDF : 985945.4/15

Left Out: 345.659 ± 0.171 χ^2/NDF : 14858.3/2

Right Out: 481.599 ± 0.128 χ^2/NDF : 854281.0/18

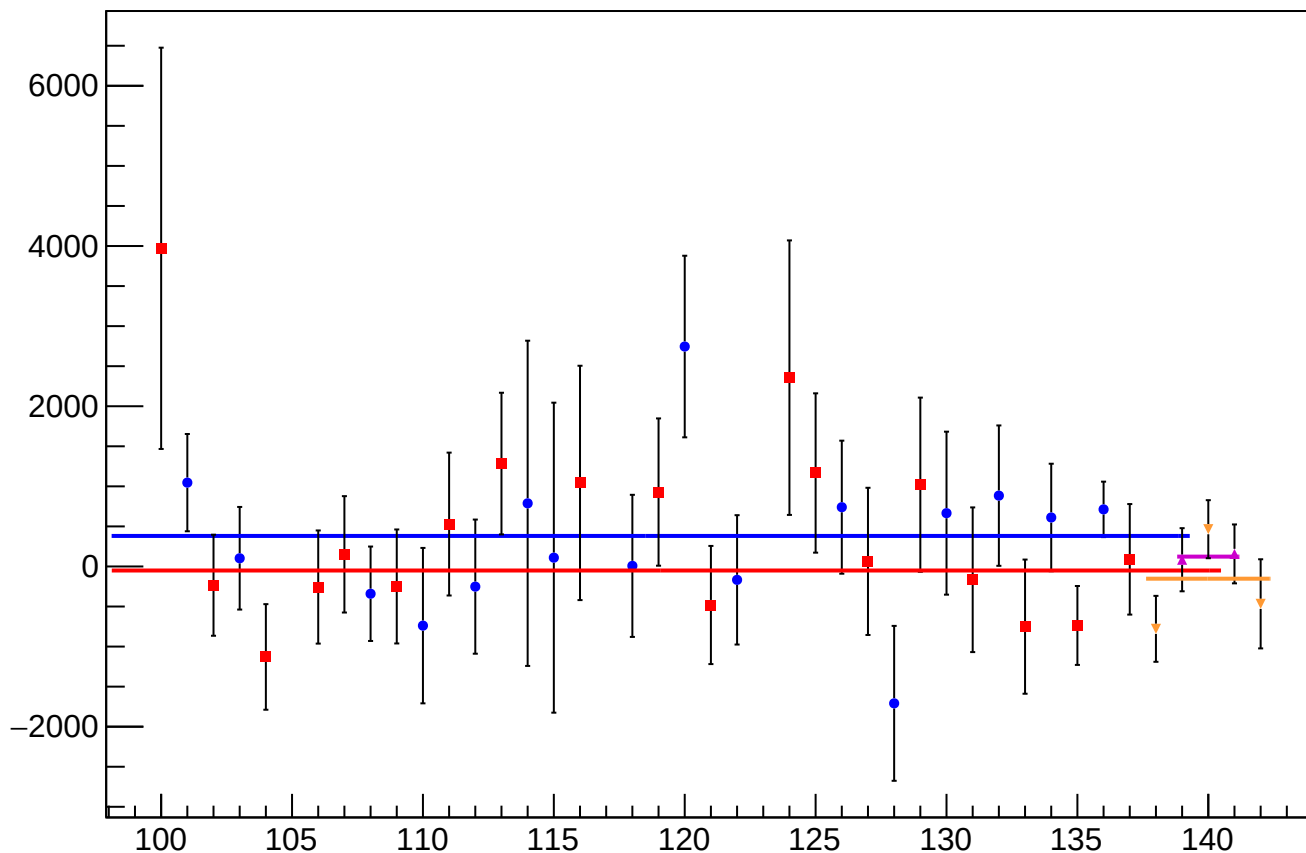
Left In: 349.160 ± 0.188 χ^2/NDF : 1311.6/1

+ sign 423.949 ± 0.102 χ^2/NDF : 1328912.3/18

All: 431.412 ± 0.074 χ^2/NDF : 2534274.2/39

- sign 439.449 ± 0.106 χ^2/NDF : 1194273.7/20

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086 $\pm$ 182.655 χ^2 /NDF: 16.1/15

Left Out: -152.693 $\pm$ 244.324 χ^2 /NDF:5.5/2

Right Out: -50.392 $\pm$ 185.262 χ^2 /NDF: 17.5/18

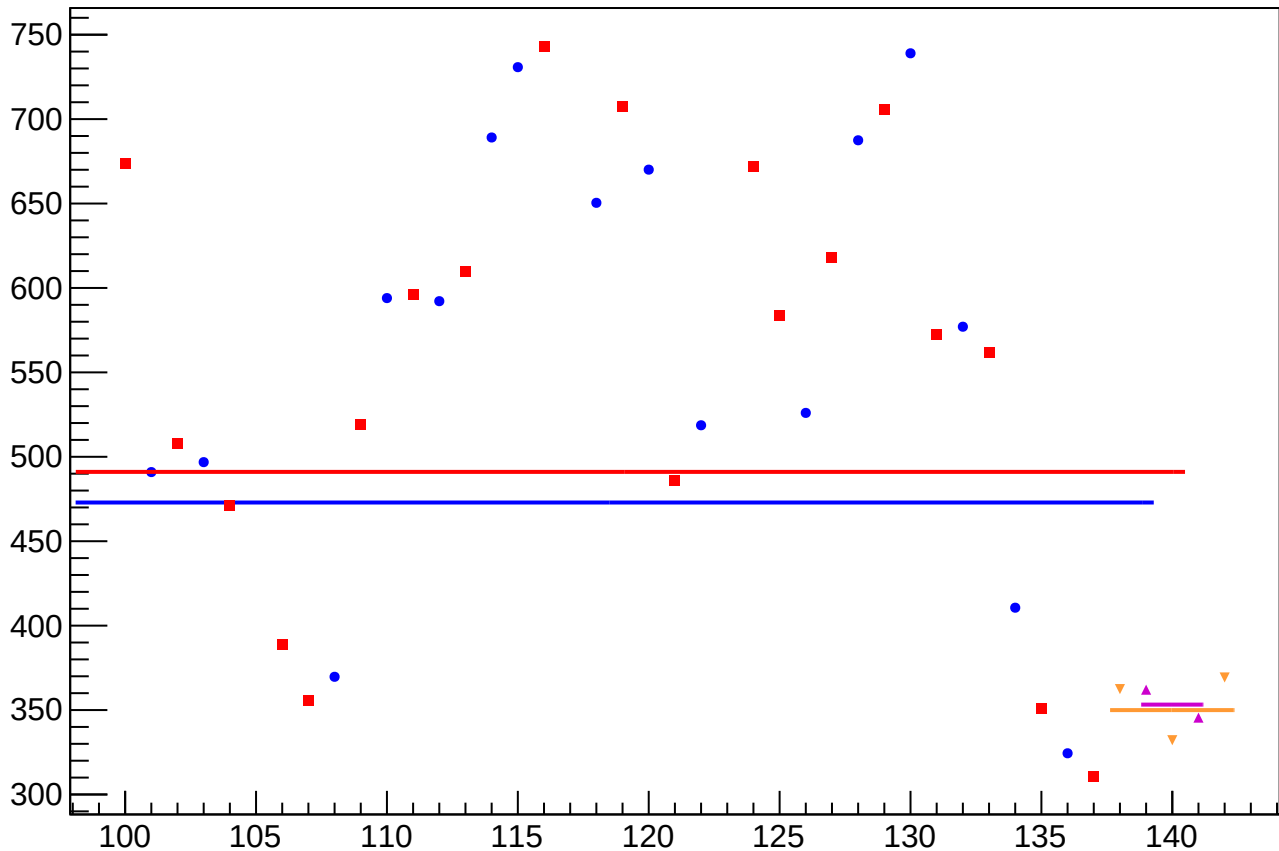
Left In: 122.918 $\pm$ 268.802 χ^2 /NDF:0.0/1

+ sign 189.715 $\pm$ 146.293 χ^2 /NDF: 24.7/18

All: 101.420 $\pm$ 105.585 χ^2 /NDF: 43.3/39

- sign 5.420 $\pm$ 152.541 χ^2 /NDF: 17.8/20

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924 $\pm$ 0.129 χ^2 /NDF: 1000274.3/15

Left Out: 349.971 $\pm$ 0.173 χ^2 /NDF: 9084.1/2

Right Out: 491.063 $\pm$ 0.131 χ^2 /NDF: 847493.6/18

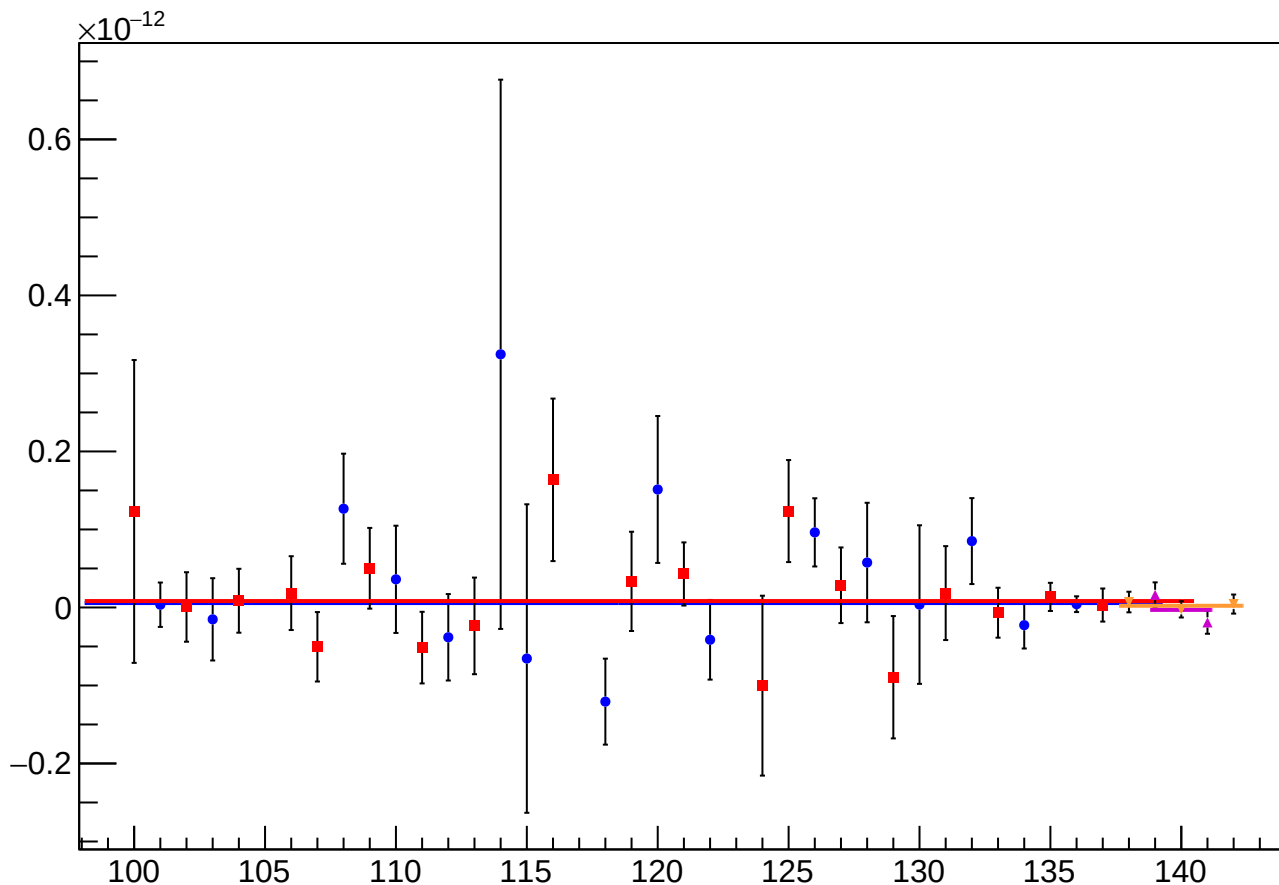
Left In: 353.227 $\pm$ 0.190 χ^2 /NDF: 1885.3/1

+ sign 428.843 $\pm$ 0.103 χ^2 /NDF: 1334264.0/18

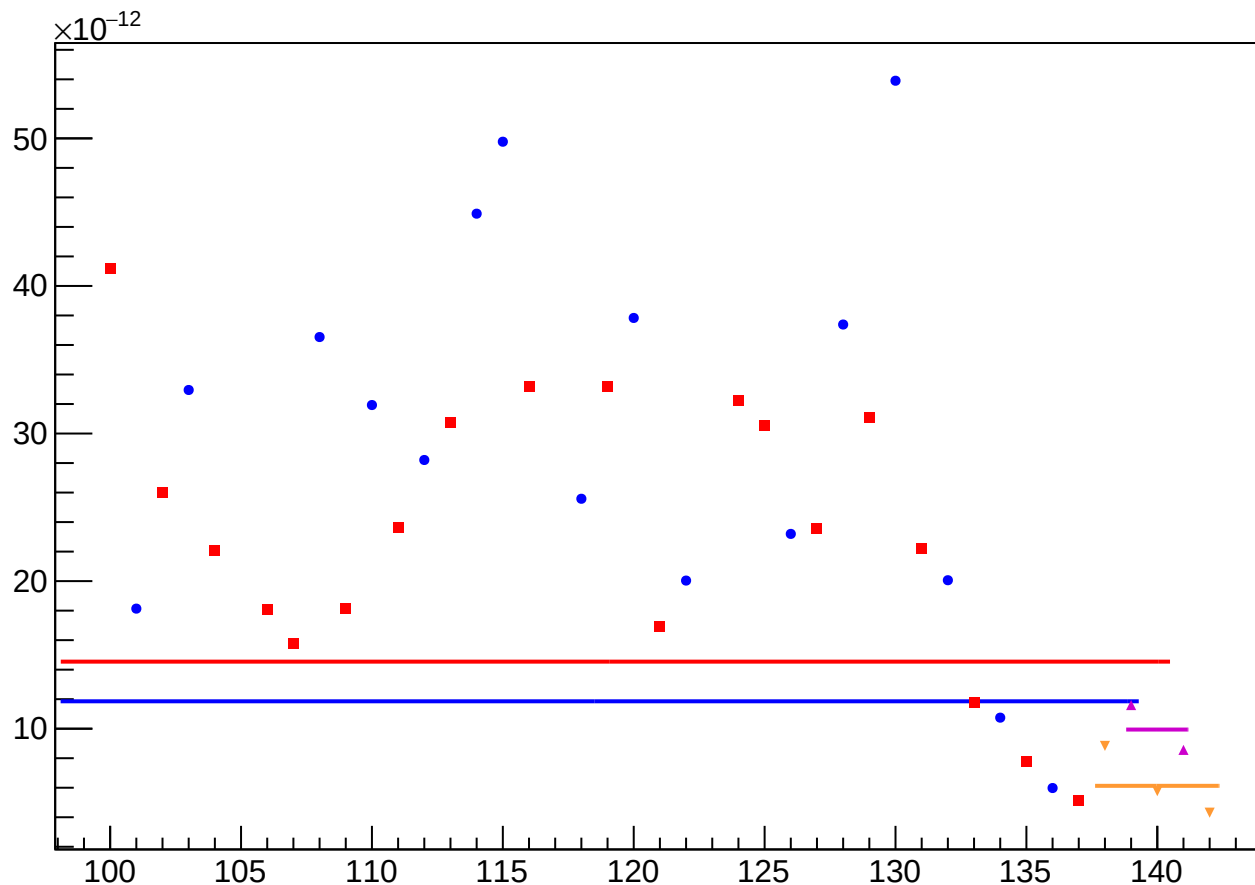
All: 437.386 $\pm$ 0.075 χ^2 /NDF: 2554404.4/39

- sign 446.674 $\pm$ 0.108 χ^2 /NDF: 1205905.3/20

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug



asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF :130623.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1769864.5/18

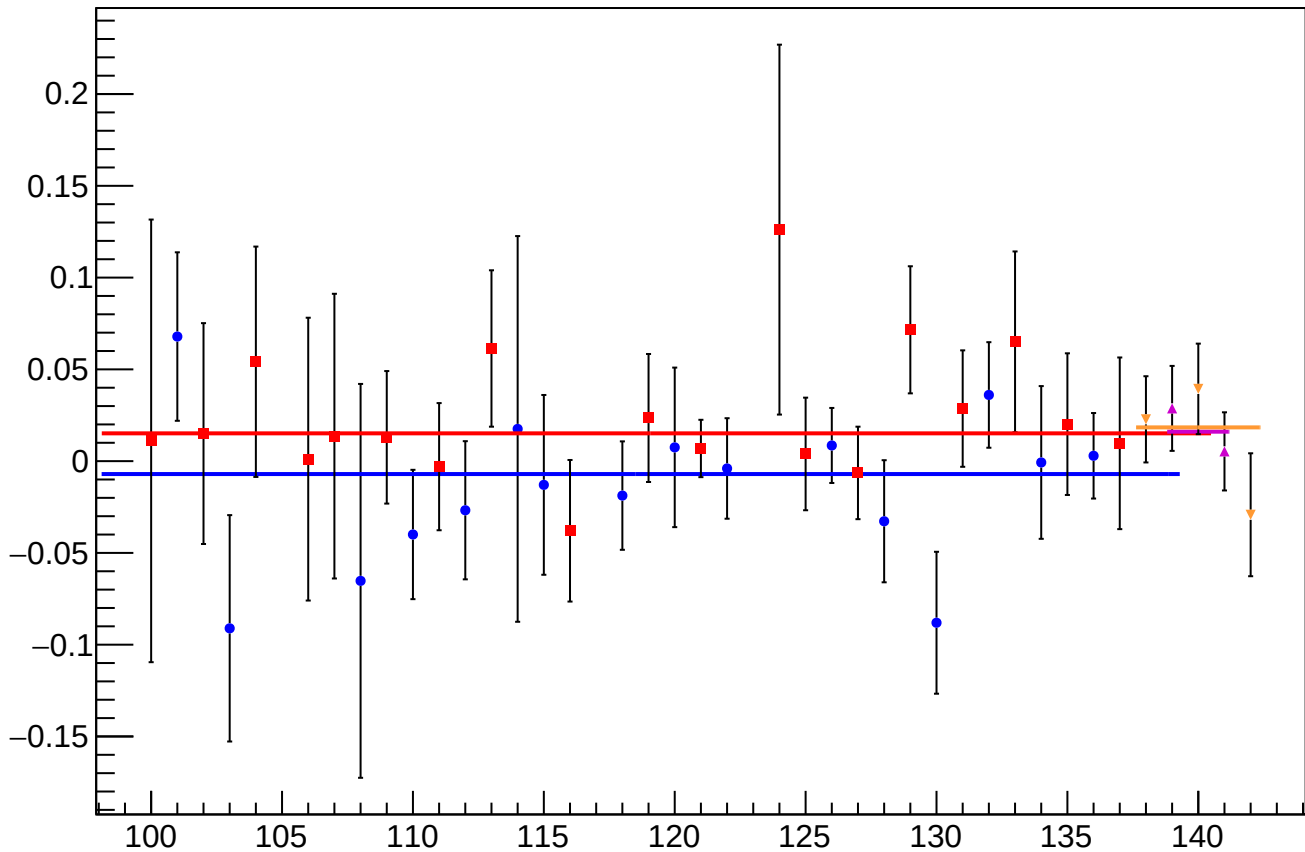
Left In: 0.000+/-0.000 χ^2/NDF :39309.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 3565055.5/18

All: 0.000+/-0.000 χ^2/NDF : 6018884.4/39

- sign 0.000+/-0.000 χ^2/NDF : 2018266.4/20

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 χ^2/NDF : 14.3/15

Left Out: 0.018 ± 0.015 χ^2/NDF : 2.8/2

Right Out: 0.015 ± 0.008 χ^2/NDF : 10.1/18

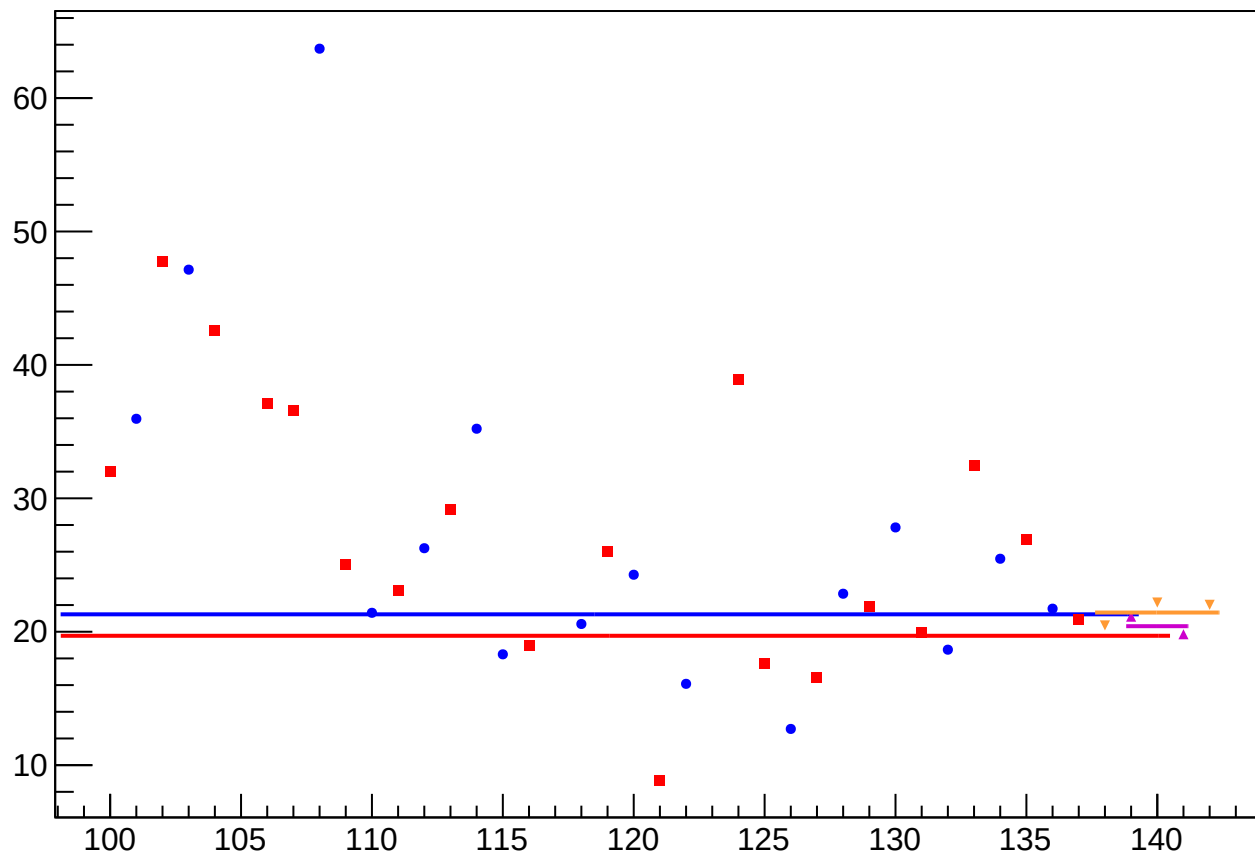
Left In: 0.016 ± 0.016 χ^2/NDF : 0.6/1

+ sign -0.001 ± 0.007 χ^2/NDF : 19.2/18

All: 0.007 ± 0.005 χ^2/NDF : 32.3/39

- sign 0.015 ± 0.007 χ^2/NDF : 10.6/20

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: 21.440 $\pm$ 0.011 χ^2/NDF : 5829.0/2

Right Out: 19.697 $\pm$ 0.006 χ^2/NDF : 2438979.3/18

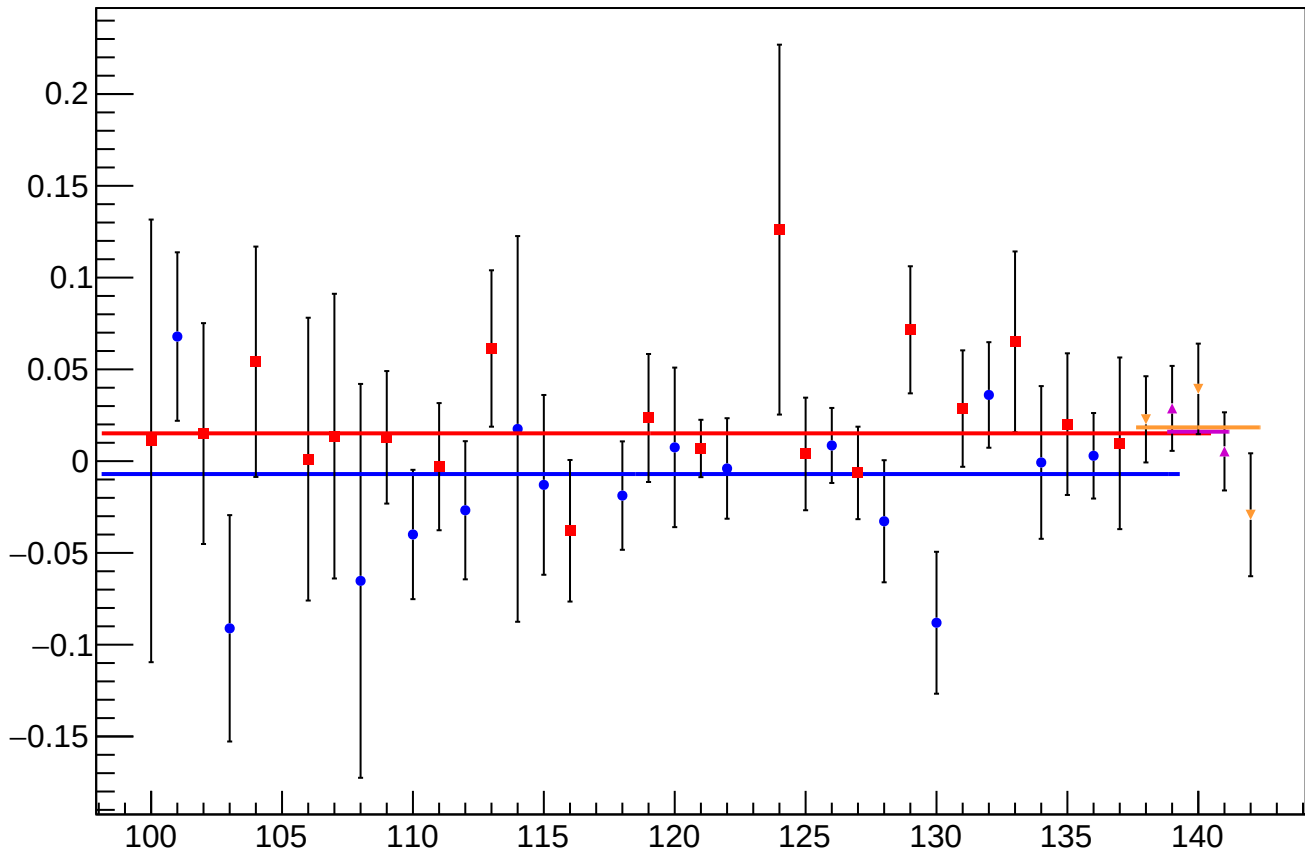
Left In: 20.416 $\pm$ 0.011 χ^2/NDF : 3512.6/1

+ sign 21.338 $\pm$ 0.005 χ^2/NDF : 1485345.9/18

All: 20.574 $\pm$ 0.004 χ^2/NDF : 3971567.7/39

- sign 19.852 $\pm$ 0.005 χ^2/NDF : 2445796.5/20

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 $\pm$ 0.009 χ^2 /NDF: 14.3/15

Left Out: 0.018 $\pm$ 0.015 χ^2 /NDF: 2.8/2

Right Out: 0.015 $\pm$ 0.008 χ^2 /NDF: 10.1/18

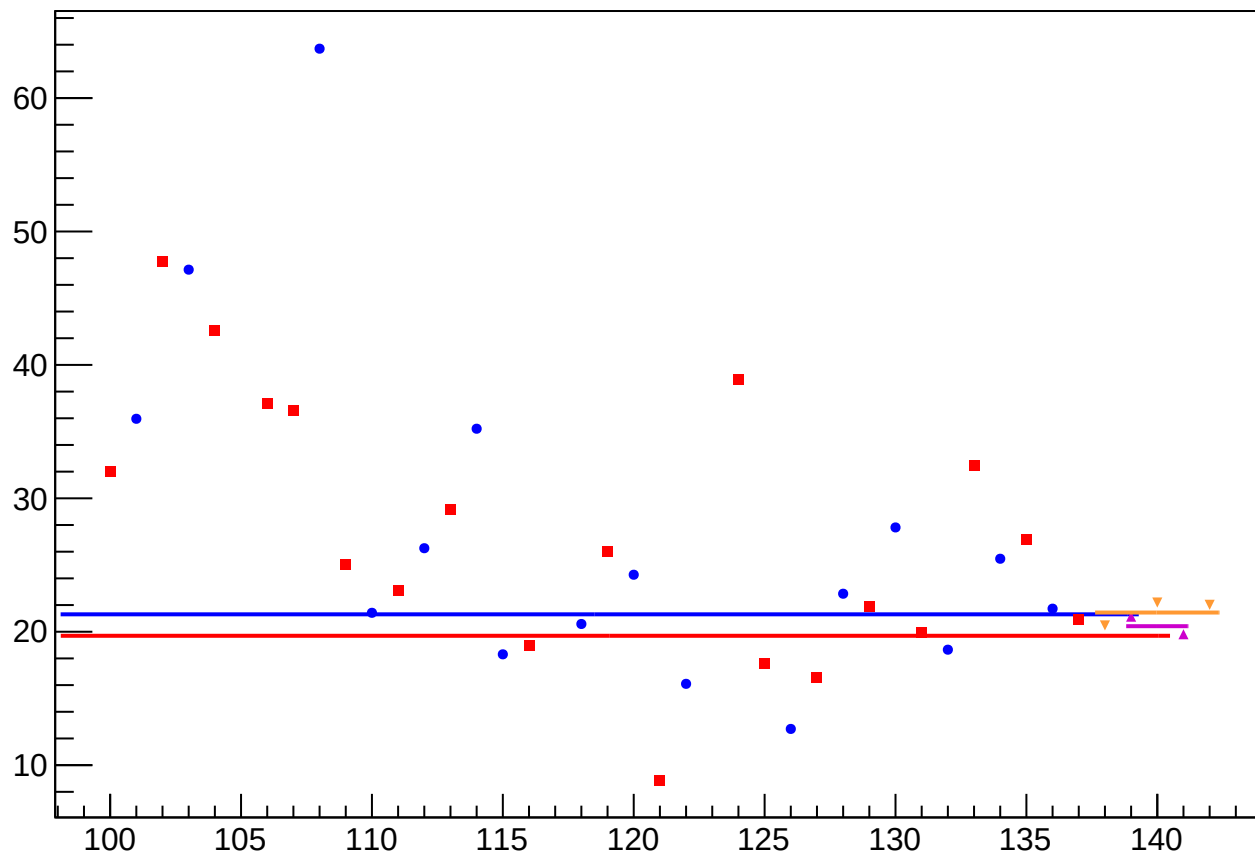
Left In: 0.016 $\pm$ 0.016 χ^2 /NDF: 0.6/1

+ sign -0.001 $\pm$ 0.007 χ^2 /NDF: 19.2/18

All: 0.007 $\pm$ 0.005 χ^2 /NDF: 32.3/39

- sign 0.015 $\pm$ 0.007 χ^2 /NDF: 10.6/20

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: 21.440 $\pm$ 0.011 χ^2/NDF : 5829.0/2

Right Out: 19.697 $\pm$ 0.006 χ^2/NDF : 2438979.3/18

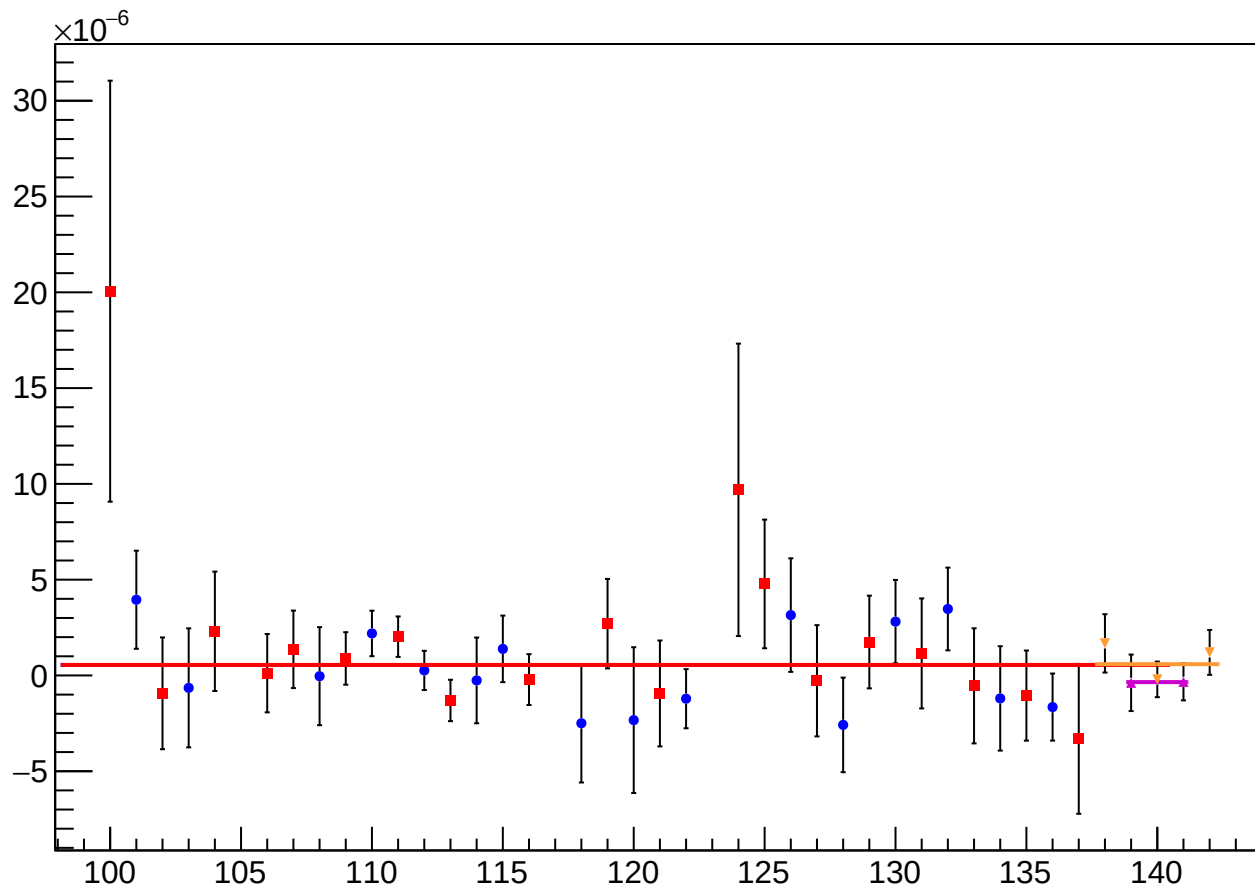
Left In: 20.416 $\pm$ 0.011 χ^2/NDF : 3512.6/1

+ sign 21.338 $\pm$ 0.005 χ^2/NDF : 1485345.9/18

All: 20.574 $\pm$ 0.004 χ^2/NDF : 3971567.7/39

- sign 19.852 $\pm$ 0.005 χ^2/NDF : 2445796.5/20

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: 1.5/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/18

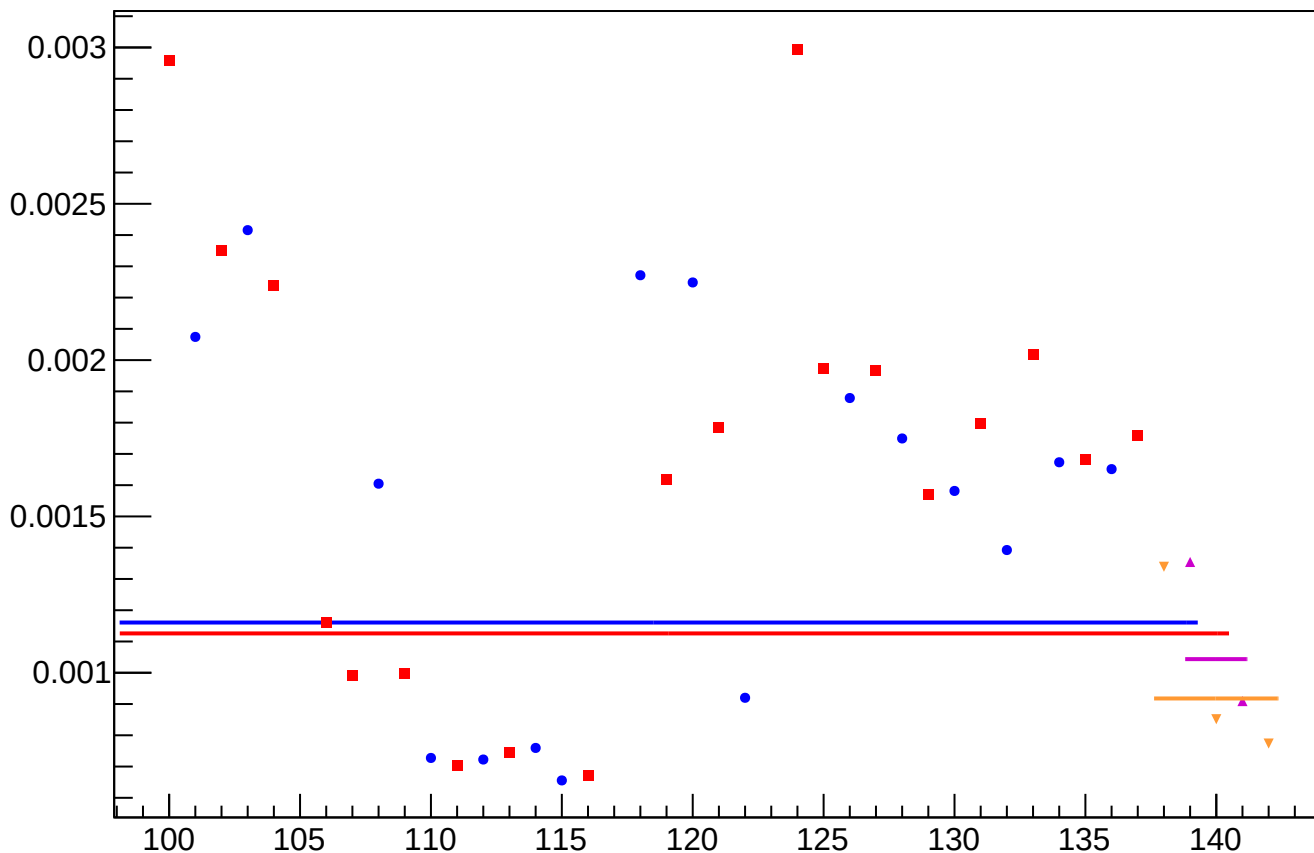
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.4/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.3/20

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 :193611.2/2

Right Out: 0.001+/-0.000 χ^2/NDF : 2623987.9/18

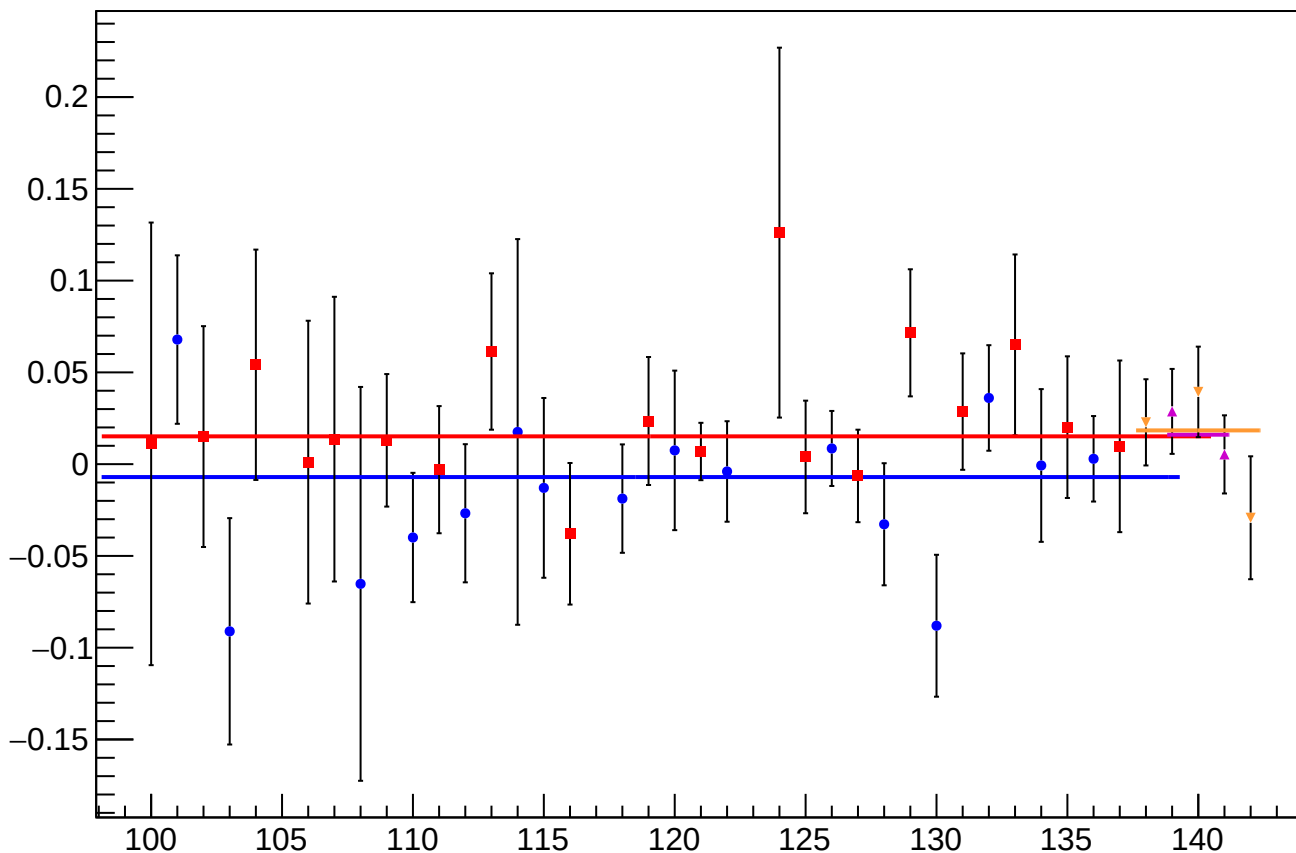
Left In: 0.001+/-0.000 χ^2/NDF :127300.6/1

+ sign 0.001+/-0.000 χ^2/NDF : 2906814.0/18

All: 0.001+/-0.000 χ^2/NDF : 5679328.4/39

- sign 0.001+/-0.000 χ^2/NDF : 2766907.8/20

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 χ^2/NDF : 14.3/15

Left Out: 0.018 ± 0.015 χ^2/NDF : 2.8/2

Right Out: 0.015 ± 0.008 χ^2/NDF : 10.1/18

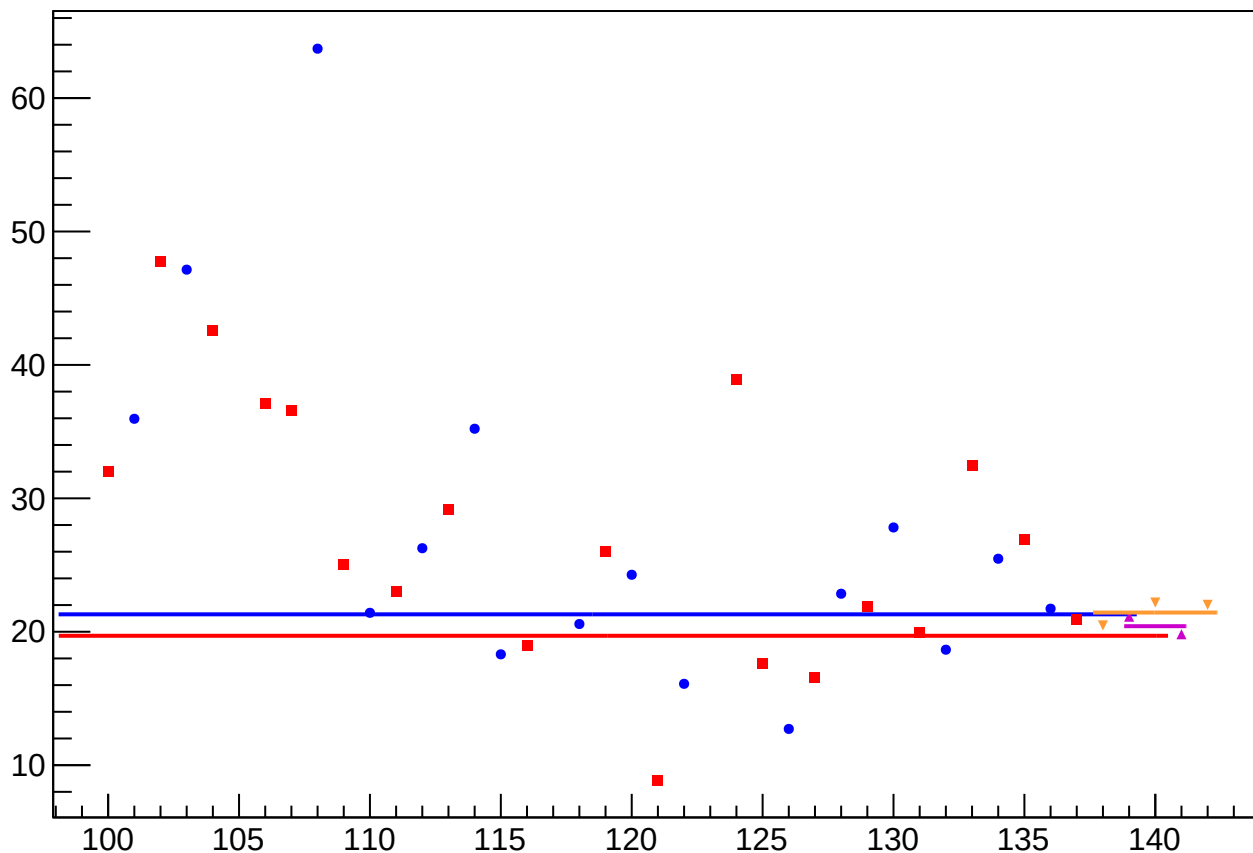
Left In: 0.016 ± 0.016 χ^2/NDF : 0.6/1

+ sign -0.001 ± 0.007 χ^2/NDF : 19.2/18

All: 0.007 ± 0.005 χ^2/NDF : 32.3/39

- sign 0.015 ± 0.007 χ^2/NDF : 10.6/20

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: 21.440+/-0.011 χ^2/NDF : 5827.6/2

Right Out: 19.698+/-0.006 χ^2/NDF : 2438612.4/18

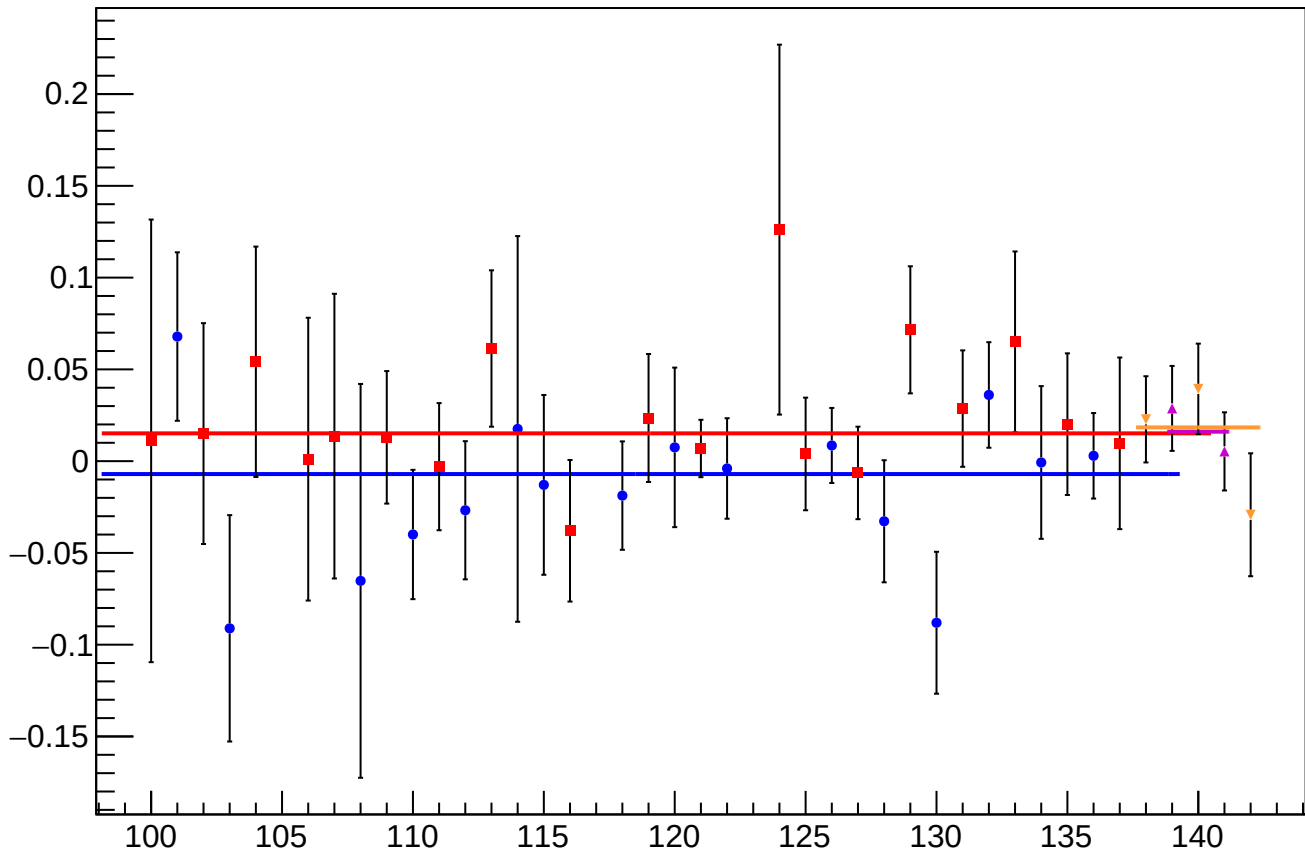
Left In: 20.417+/-0.011 χ^2/NDF : 3510.5/1

+ sign 21.338+/-0.005 χ^2/NDF : 1485177.7/18

All: 20.574+/-0.004 χ^2/NDF : 3971011.3/39

- sign 19.853+/-0.005 χ^2/NDF : 2445425.2/20

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: 0.018 ± 0.015 χ^2/NDF : 2.8/2

Right Out: 0.015 ± 0.008 χ^2/NDF : 10.1/18

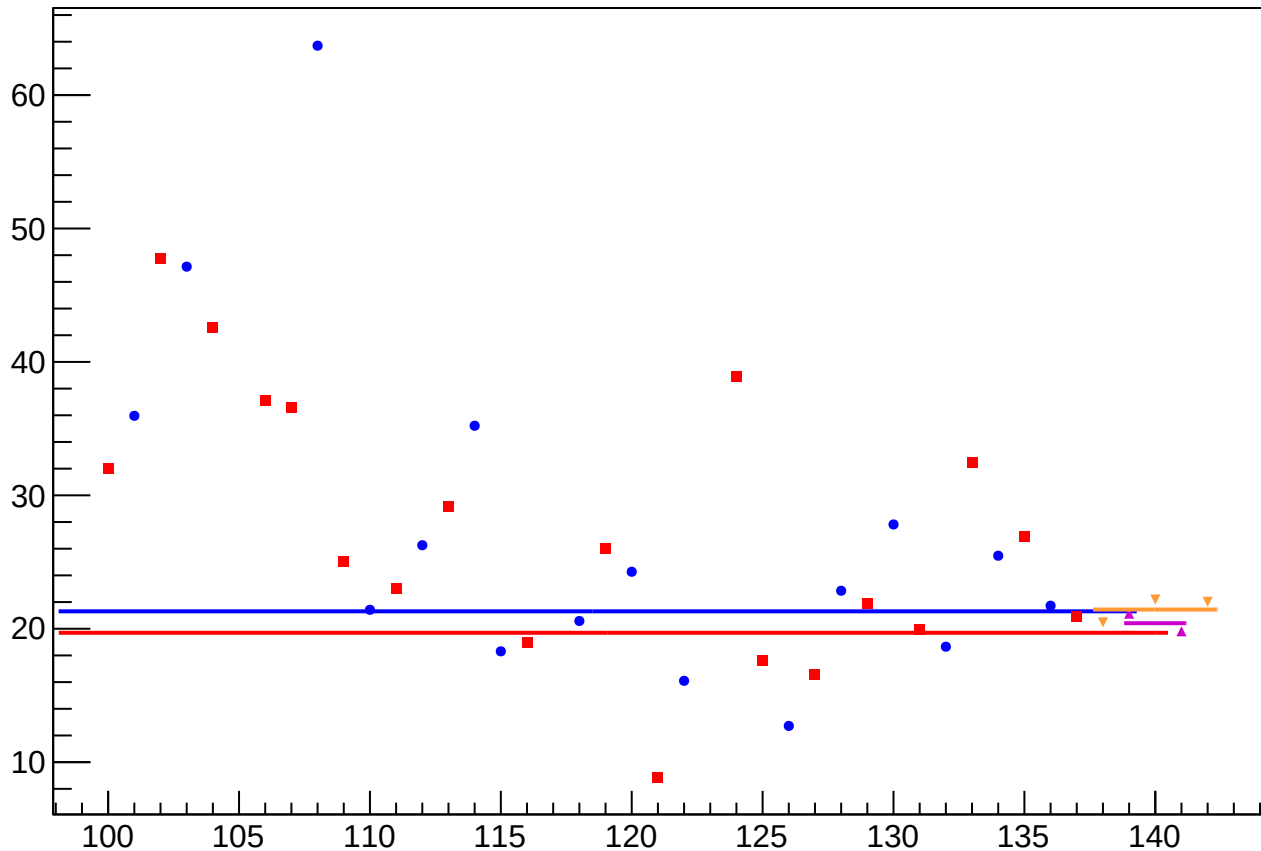
Left In: 0.016 ± 0.016 χ^2/NDF : 0.6/1

+ sign -0.001 ± 0.007 χ^2/NDF : 19.2/18

All: 0.007 ± 0.005 χ^2/NDF : 32.3/39

- sign 0.015 ± 0.007 χ^2/NDF : 10.6/20

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.306+/-0.006 χ^2/NDF : 1479231.5/15

Left Out: 21.440+/-0.011 χ^2/NDF : 5827.6/2

Right Out: 19.698+/-0.006 χ^2/NDF : 2438612.4/18

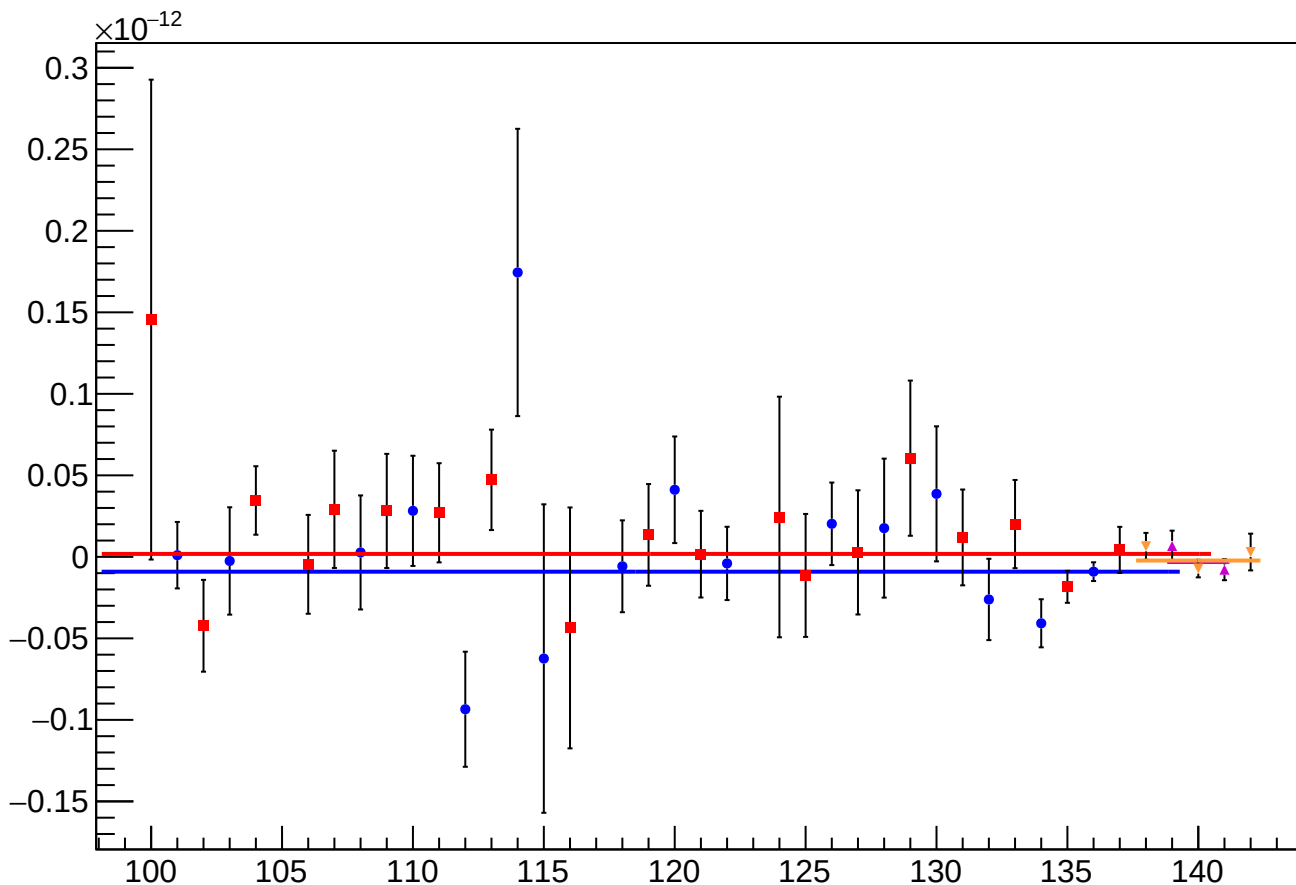
Left In: 20.417+/-0.011 χ^2/NDF : 3510.5/1

+ sign 21.338+/-0.005 χ^2/NDF : 1485177.7/18

All: 20.574+/-0.004 χ^2/NDF : 3971011.3/39

- sign 19.853+/-0.005 χ^2/NDF : 2445425.2/20

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 : 2.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 17.0/18

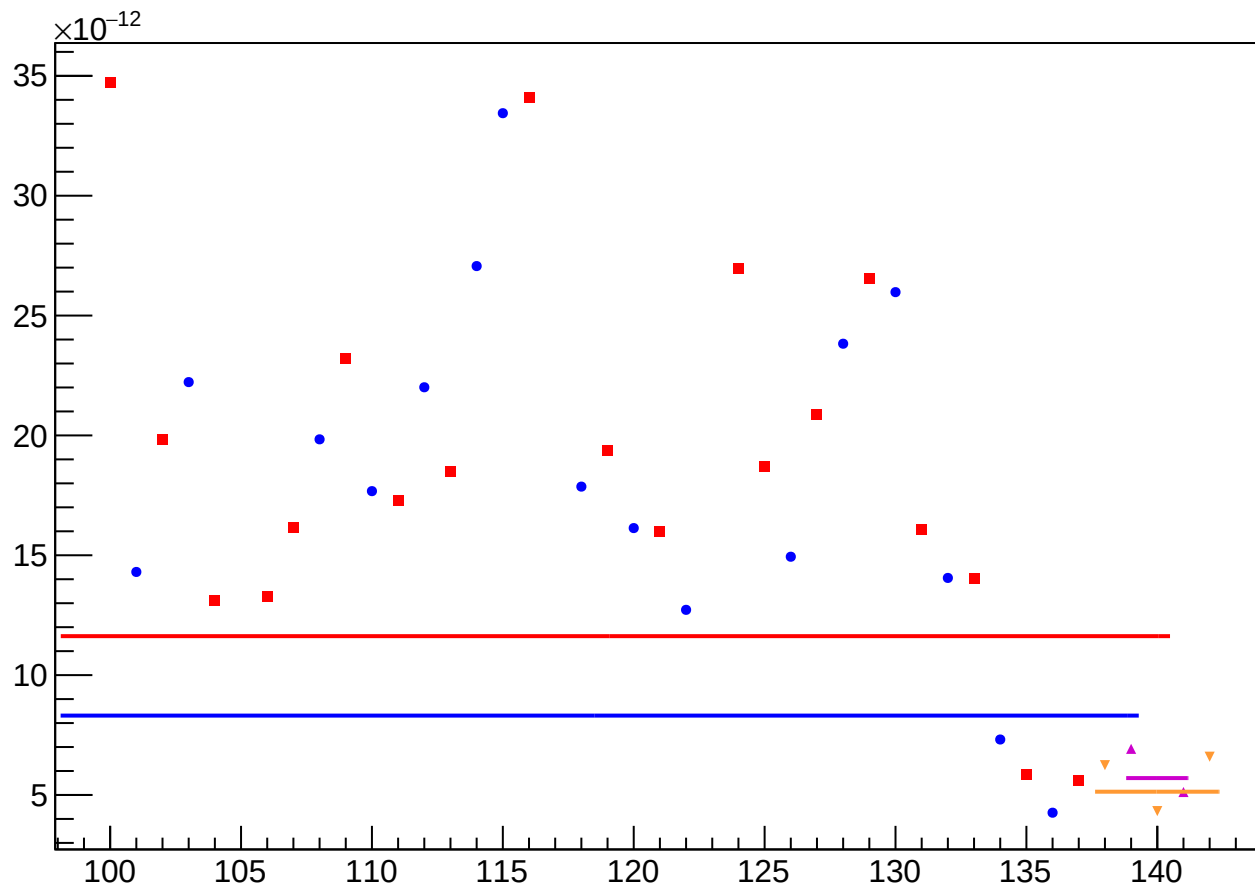
Left In: -0.000+/-0.000 χ^2/NDF : 1.6/1

+ sign -0.000+/-0.000 χ^2/NDF : 26.0/18

All: -0.000+/-0.000 χ^2/NDF : 45.8/39

- sign -0.000+/-0.000 χ^2/NDF : 19.0/20

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 : 114694.0/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2610908.4/18

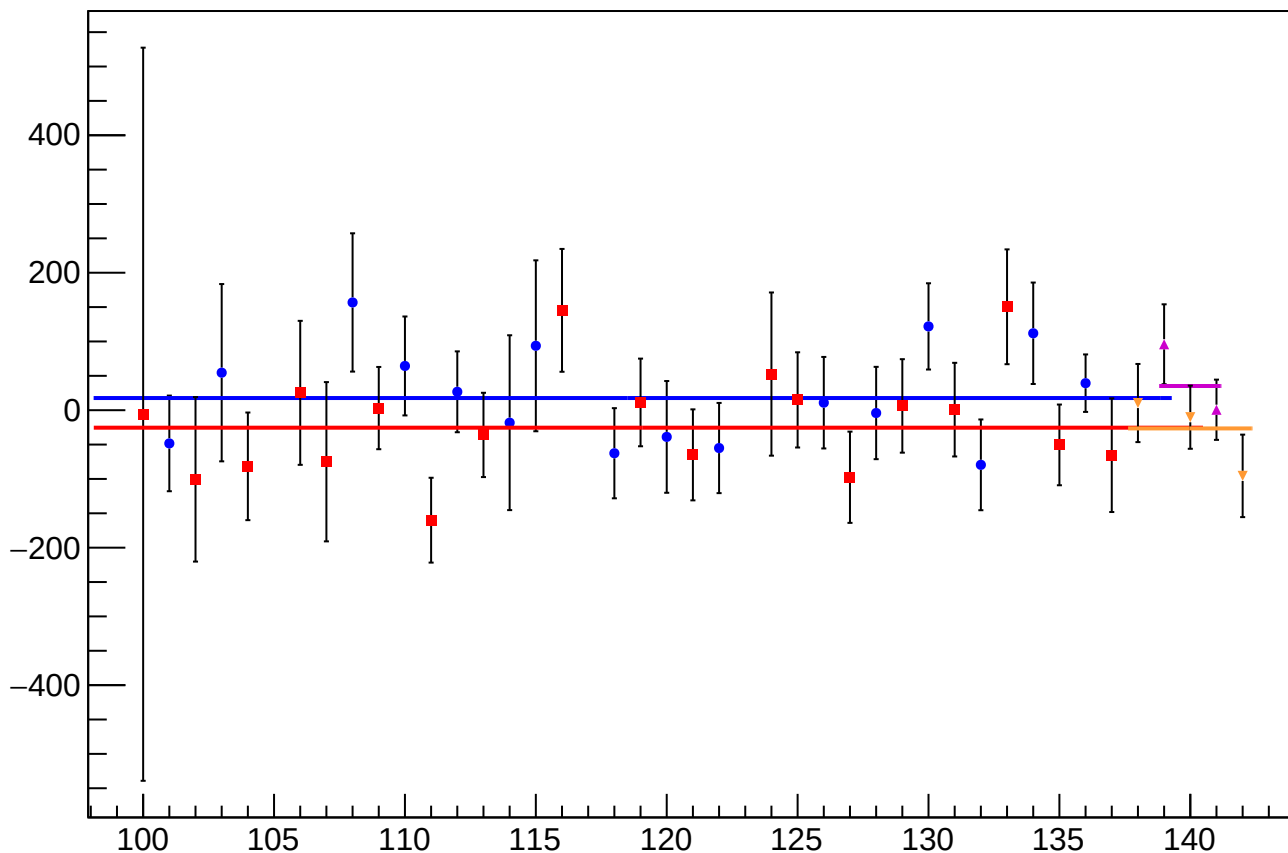
Left In: 0.000+/-0.000 χ^2/NDF : 49774.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 4380512.2/18

All: 0.000+/-0.000 χ^2/NDF : 8478218.2/39

- sign 0.000+/-0.000 χ^2/NDF : 3813921.0/20

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF : 13.9/15

Left Out: -26.522+/-30.703 χ^2/NDF : 1.9/2

Right Out: -25.440+/-17.337 χ^2/NDF : 17.8/18

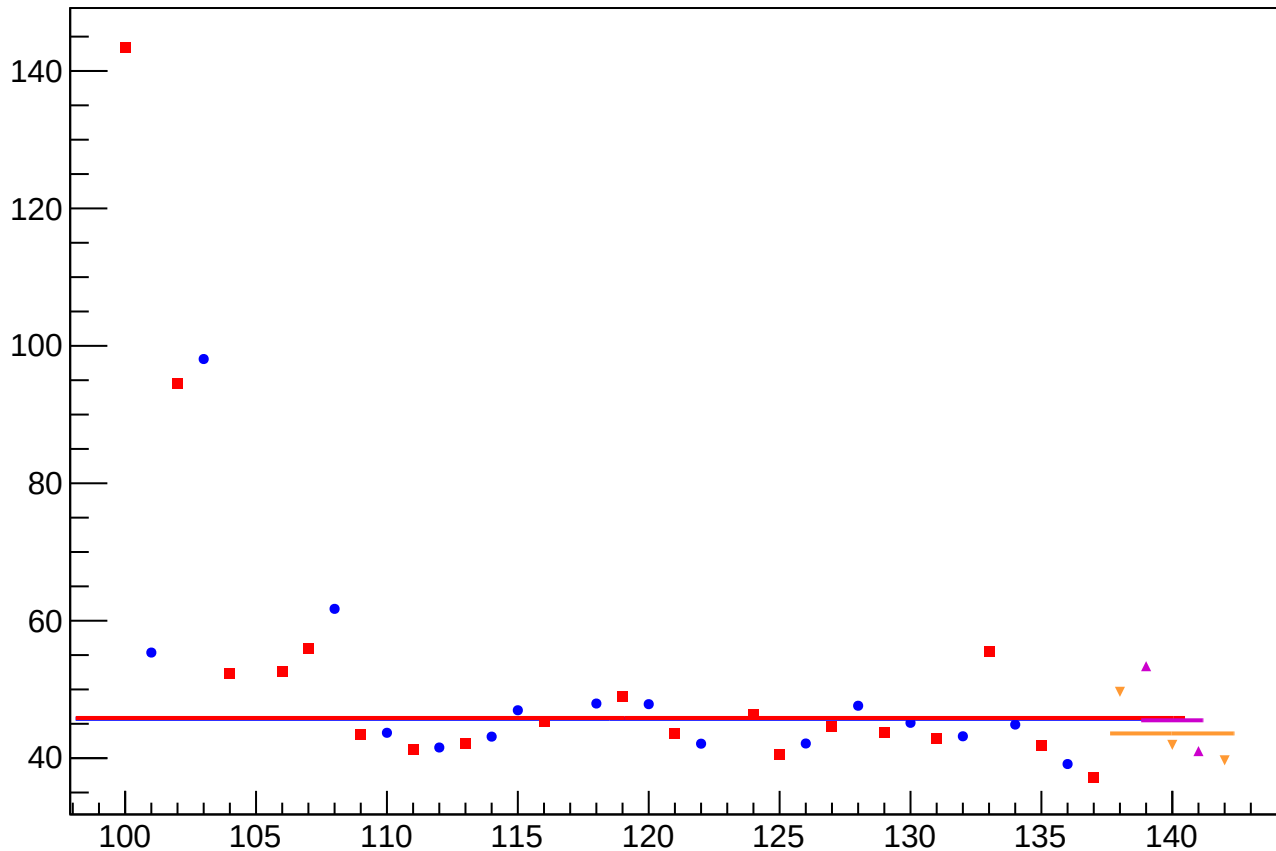
Left In: 35.200+/-34.993 χ^2/NDF : 1.7/1

+ sign 6.885+/-15.184 χ^2/NDF : 17.4/18

All: -3.070+/-10.859 χ^2/NDF : 40.2/39

- sign -13.489+/-15.535 χ^2/NDF : 22.0/20

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727 $\pm$ 0.012 χ^2 /NDF: 501460.7/15

Left Out: 43.596 $\pm$ 0.022 χ^2 /NDF:33833.4/2

Right Out: 45.849 $\pm$ 0.012 χ^2 /NDF: 540156.7/18

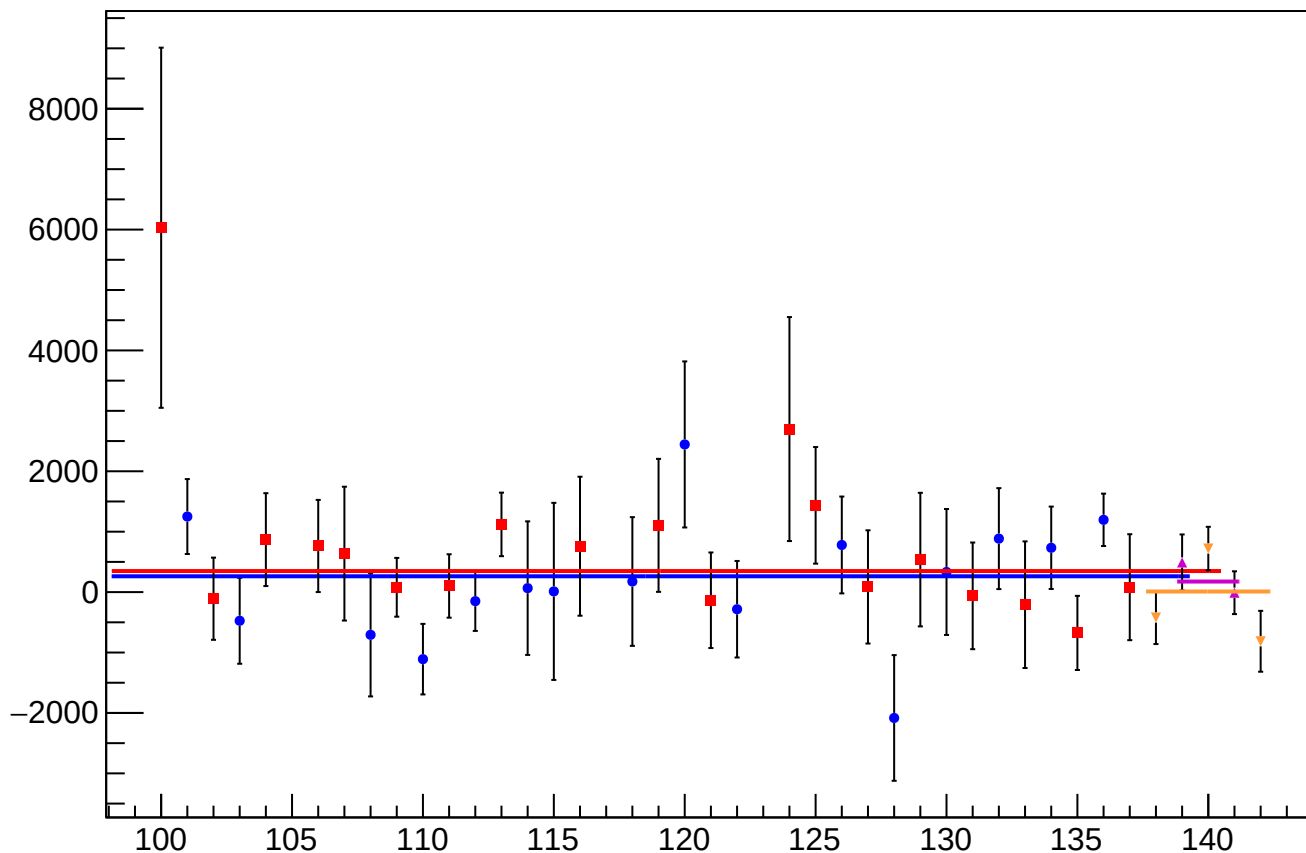
Left In: 45.508 $\pm$ 0.025 χ^2 /NDF:57630.5/1

+ sign 45.205 $\pm$ 0.011 χ^2 /NDF: 542572.2/18

All: 45.487 $\pm$ 0.008 χ^2 /NDF: 1141920.7/39

- sign 45.782 $\pm$ 0.011 χ^2 /NDF: 597939.5/20

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: 10.032 $\pm$ 243.524 χ^2 /NDF: 7.5/2

Right Out: 348.685 $\pm$ 180.682 χ^2 /NDF: 14.9/18

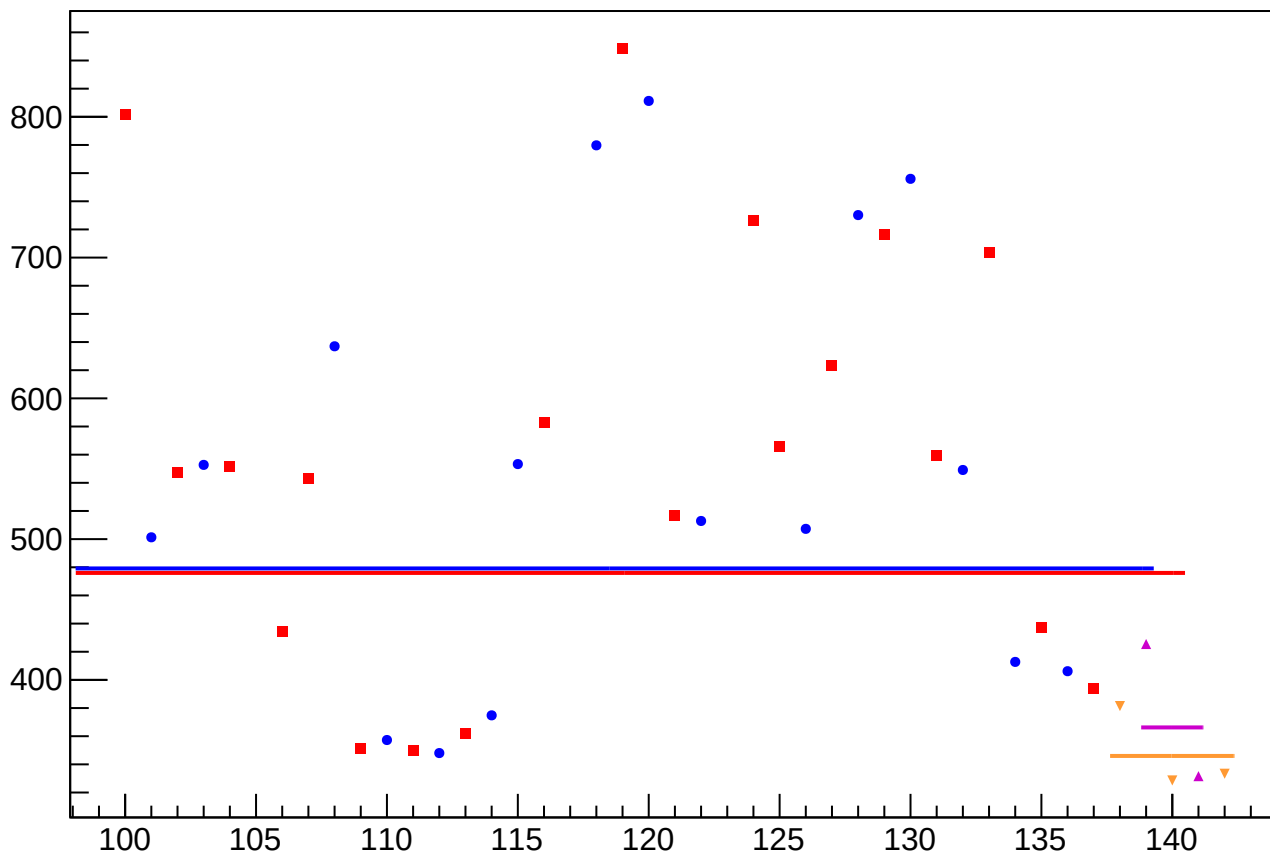
Left In: 174.866 $\pm$ 281.460 χ^2 /NDF: 0.7/1

+ sign 169.628 $\pm$ 147.419 χ^2 /NDF: 33.2/18

All: 231.810 $\pm$ 105.840 χ^2 /NDF: 49.5/39

- sign 297.959 $\pm$ 152.049 χ^2 /NDF: 15.9/20

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: 345.983 $\pm$ 0.172 χ^2 /NDF: 18991.5/2

Right Out: 475.992 $\pm$ 0.128 χ^2 /NDF: 1006487.7/18

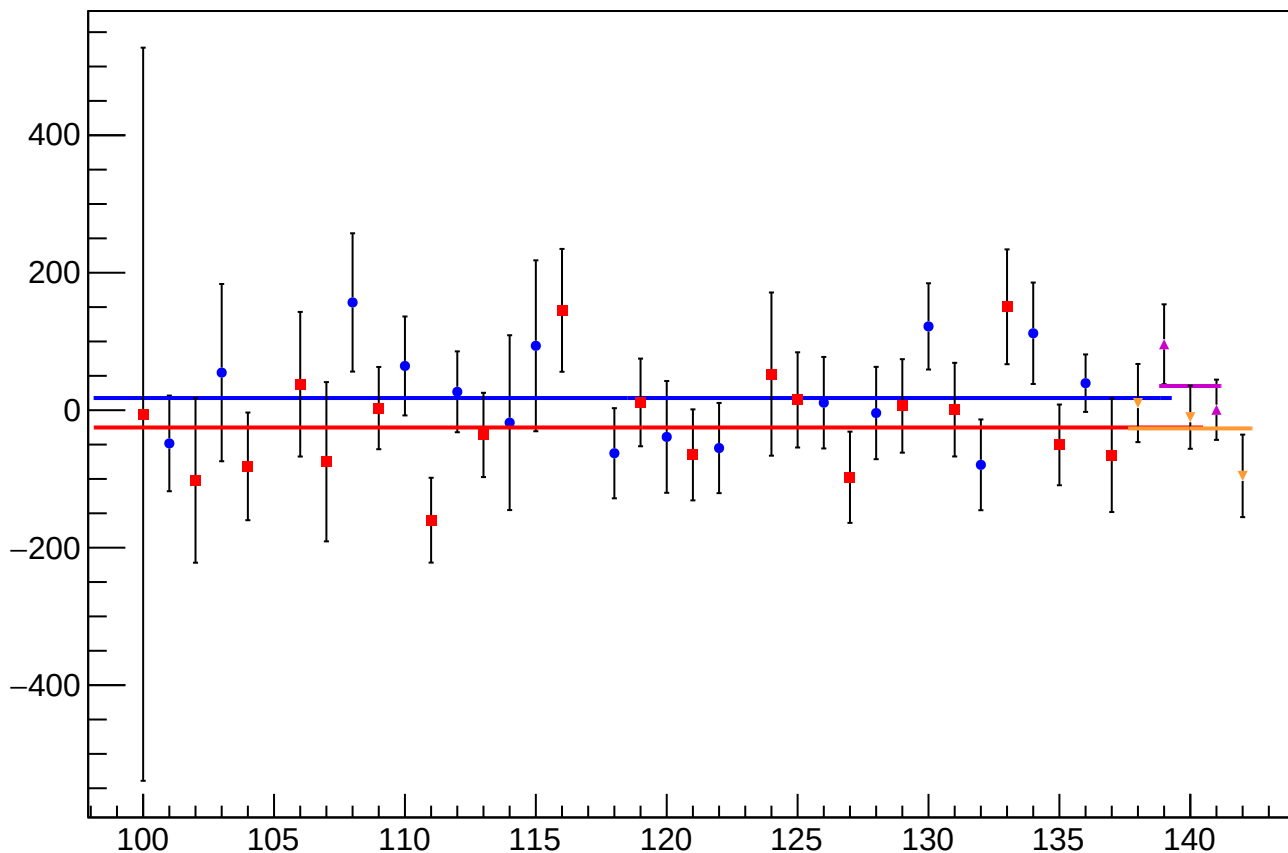
Left In: 366.239 $\pm$ 0.199 χ^2 /NDF: 51790.7/1

+ sign 430.367 $\pm$ 0.104 χ^2 /NDF: 1350734.5/18

All: 436.955 $\pm$ 0.075 χ^2 /NDF: 2632615.4/39

- sign 443.962 $\pm$ 0.108 χ^2 /NDF: 1273639.2/20

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706 ± 17.470 χ^2/NDF : 13.9/15

Left Out: -26.524 ± 30.703 χ^2/NDF : 1.9/2

Right Out: -25.145 ± 17.339 χ^2/NDF : 18.0/18

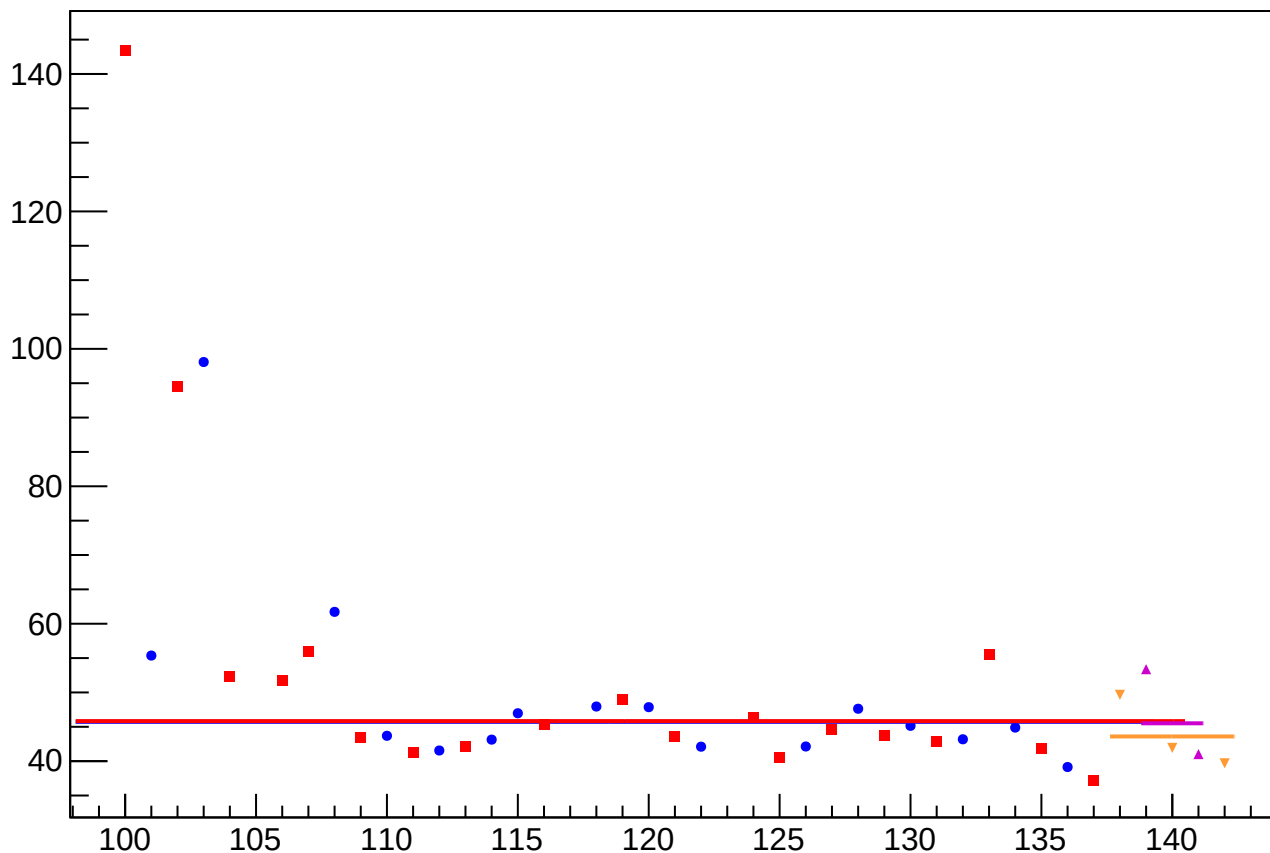
Left In: 35.196 ± 34.993 χ^2/NDF : 1.7/1

+ sign 6.888 ± 15.184 χ^2/NDF : 17.4/18

All: -2.950 ± 10.859 χ^2/NDF : 40.3/39

- sign -13.250 ± 15.536 χ^2/NDF : 22.1/20

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727 $\pm$ 0.012 χ^2 /NDF: 501463.8/15

Left Out: 43.596 $\pm$ 0.022 χ^2 /NDF: 33833.4/2

Right Out: 45.825 $\pm$ 0.012 χ^2 /NDF: 538470.5/18

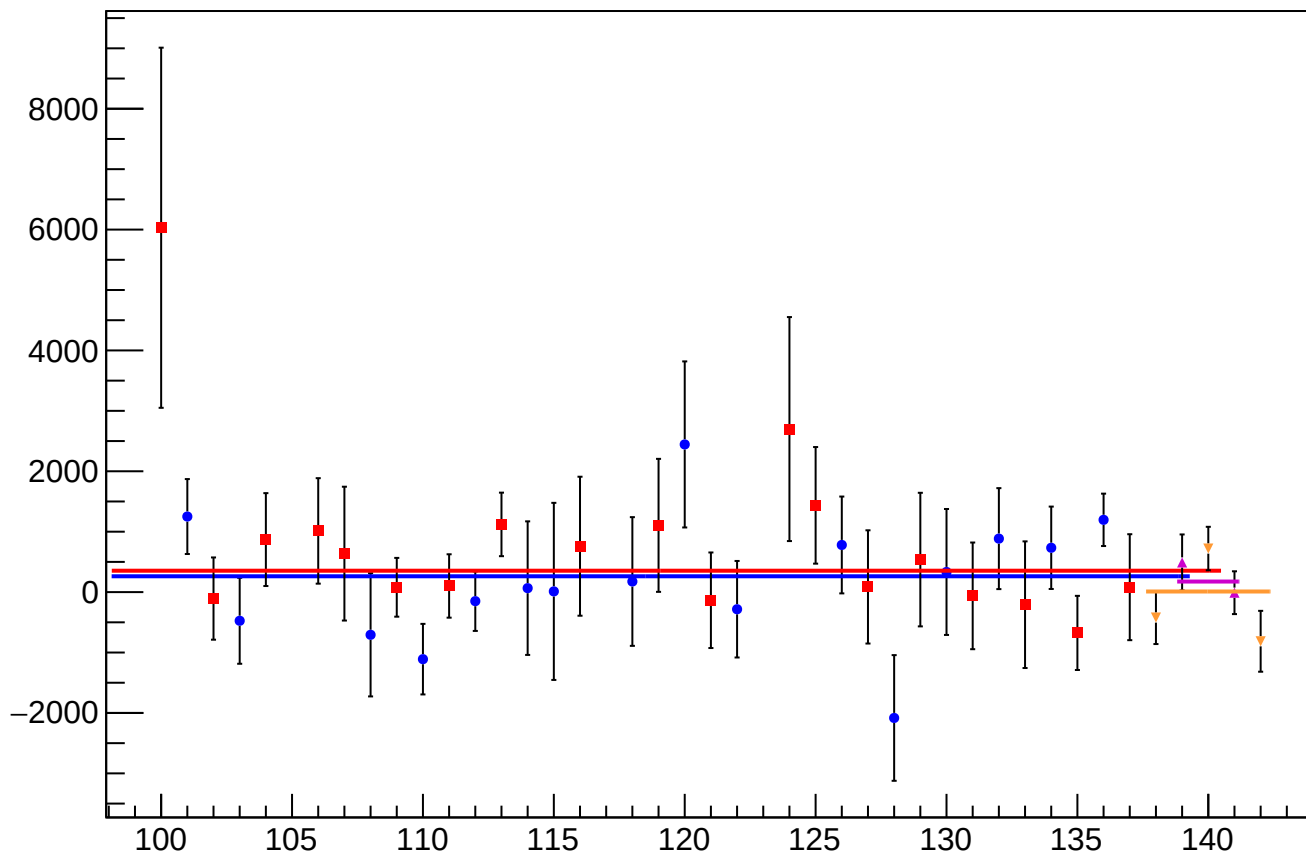
Left In: 45.508 $\pm$ 0.025 χ^2 /NDF: 57630.5/1

+ sign 45.205 $\pm$ 0.011 χ^2 /NDF: 542575.3/18

All: 45.478 $\pm$ 0.008 χ^2 /NDF: 1140124.6/39

- sign 45.763 $\pm$ 0.011 χ^2 /NDF: 596232.8/20

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: 10.030 $\pm$ 243.524 χ^2 /NDF:7.5/2

Right Out: 354.204 $\pm$ 181.903 χ^2 /NDF: 15.2/18

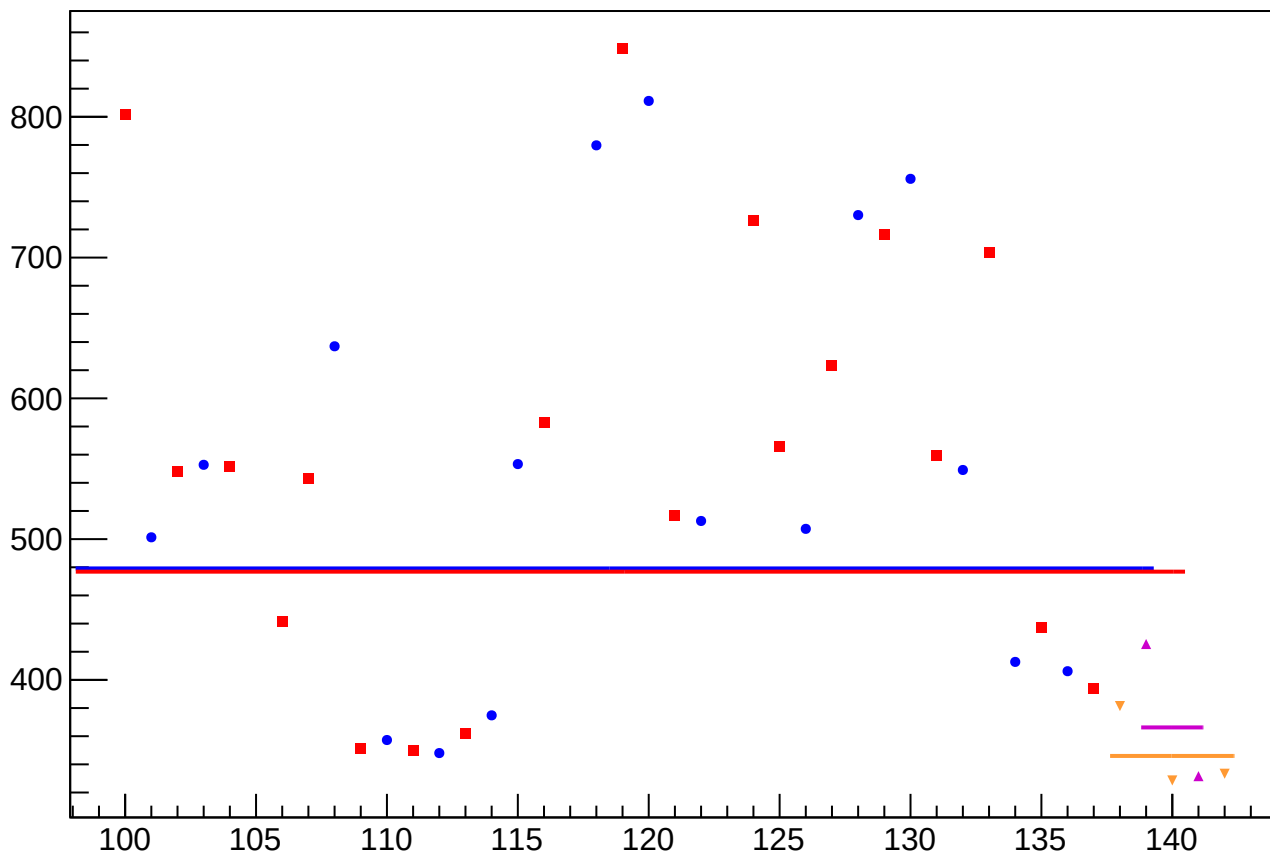
Left In: 174.864 $\pm$ 281.461 χ^2 /NDF:0.7/1

+ sign 169.629 $\pm$ 147.420 χ^2 /NDF: 33.2/18

All: 233.149 $\pm$ 106.084 χ^2 /NDF: 49.8/39

- sign 301.367 $\pm$ 152.774 χ^2 /NDF: 16.2/20

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF : 952722.6/15

Left Out: 345.983+/-0.172 χ^2/NDF : 18991.9/2

Right Out: 476.893+/-0.129 χ^2/NDF : 1003767.4/18

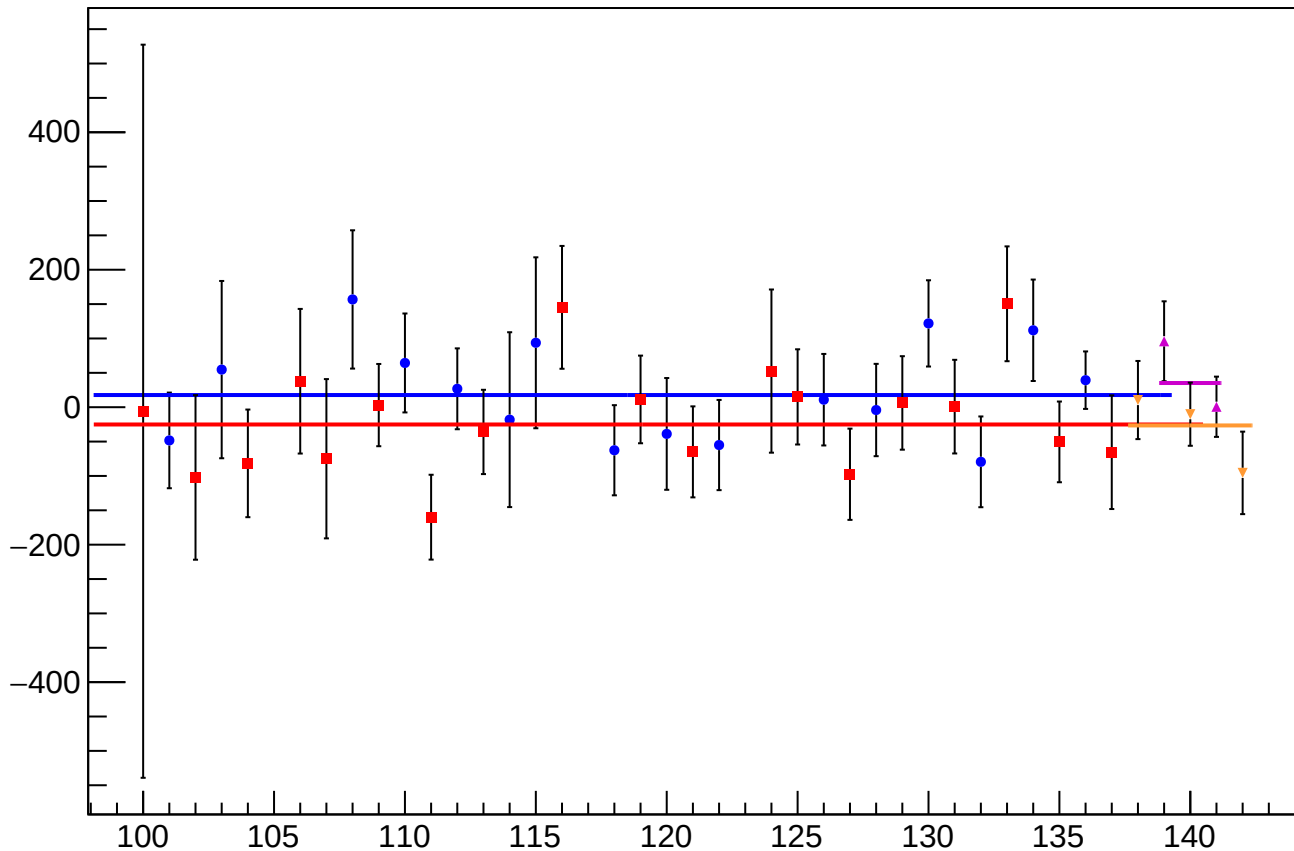
Left In: 366.239+/-0.199 χ^2/NDF : 51789.7/1

+ sign 430.368+/-0.104 χ^2/NDF : 1350776.4/18

All: 437.082+/-0.075 χ^2/NDF : 2632981.3/39

- sign 444.292+/-0.108 χ^2/NDF : 1273602.3/20

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706 $\pm$ 17.470 χ^2 /NDF: 13.9/15

Left Out: -26.524 $\pm$ 30.703 χ^2 /NDF: 1.9/2

Right Out: -25.145 $\pm$ 17.339 χ^2 /NDF: 18.0/18

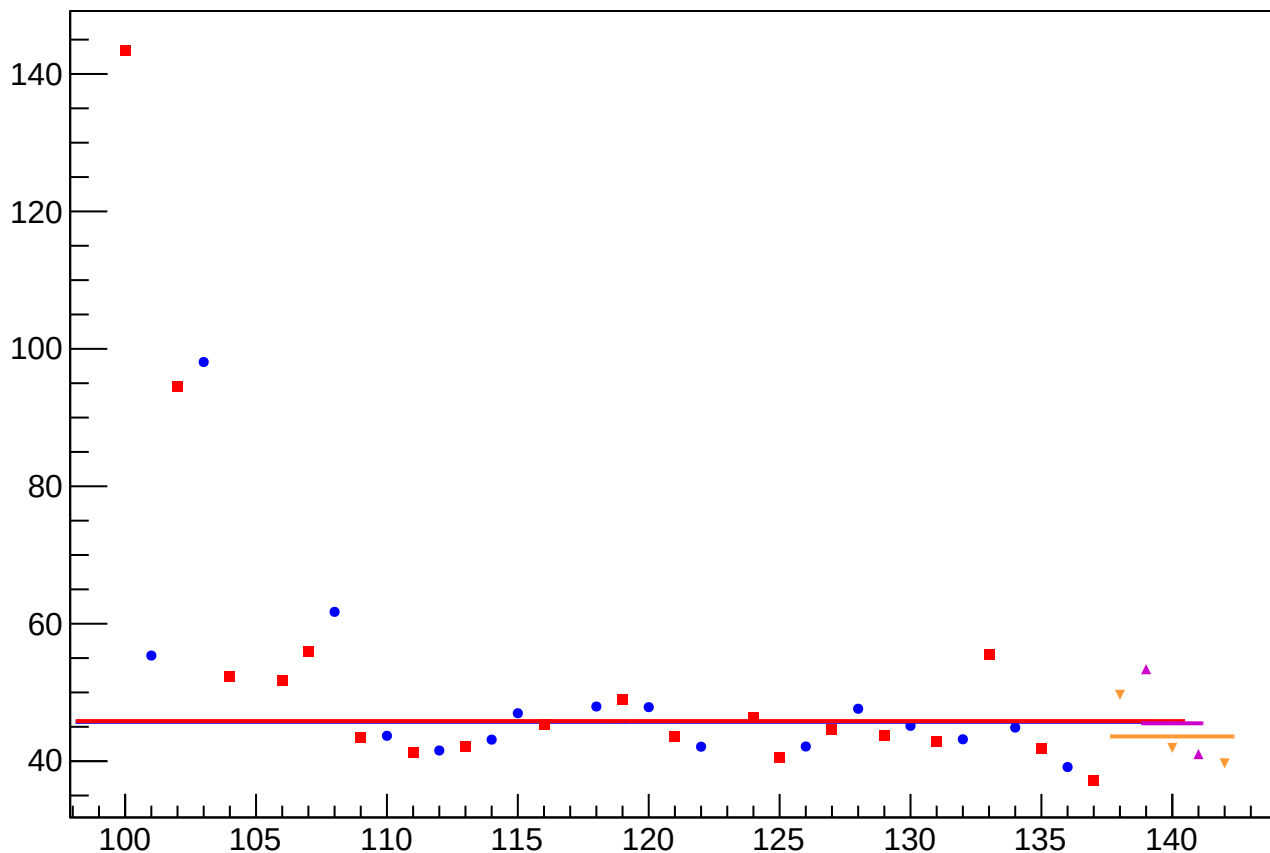
Left In: 35.196 $\pm$ 34.993 χ^2 /NDF: 1.7/1

+ sign 6.888 $\pm$ 15.184 χ^2 /NDF: 17.4/18

All: -2.950 $\pm$ 10.859 χ^2 /NDF: 40.3/39

- sign -13.250 $\pm$ 15.536 χ^2 /NDF: 22.1/20

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: 43.596 $\pm$ 0.022 χ^2 /NDF: 33833.4/2

Right Out: 45.825 $\pm$ 0.012 χ^2 /NDF: 538470.5/18

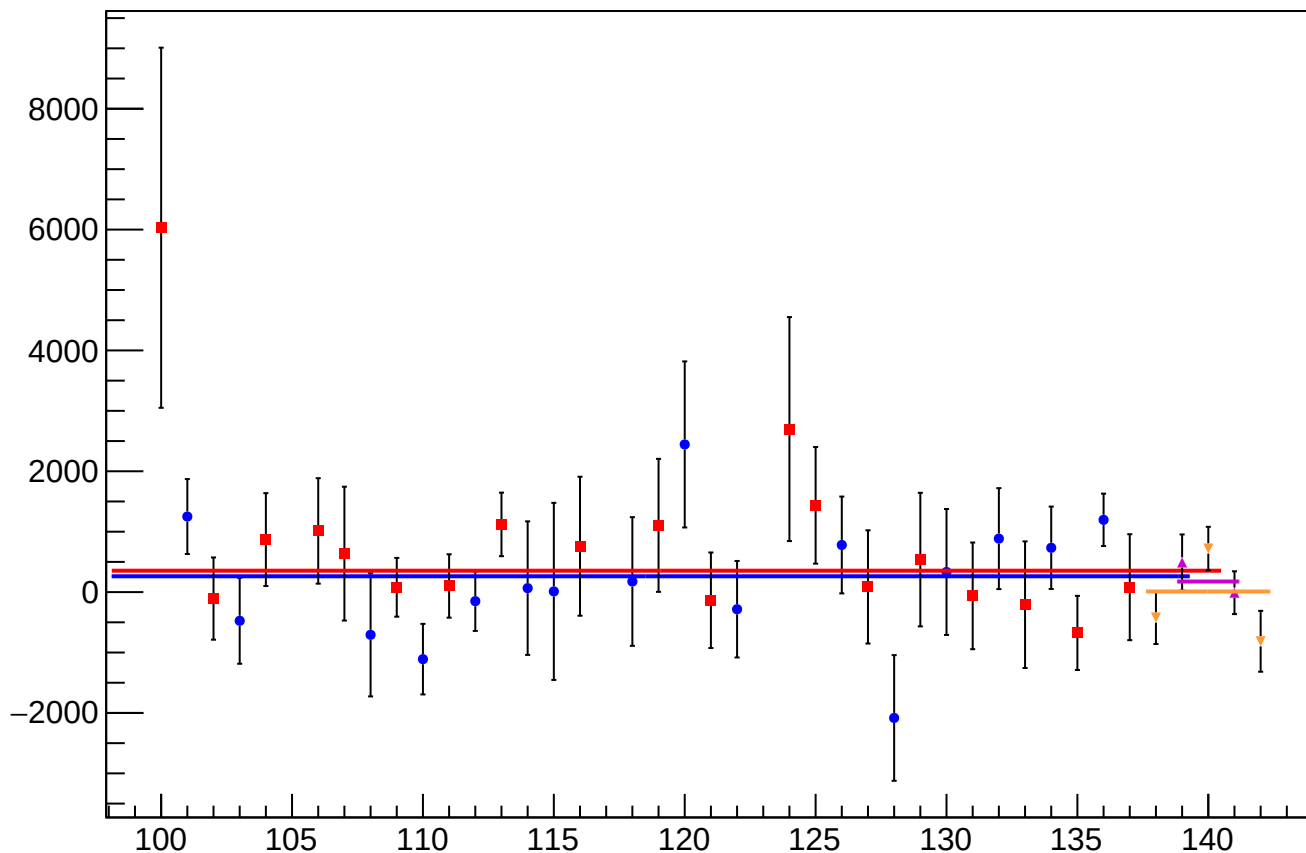
Left In: 45.508 $\pm$ 0.025 χ^2 /NDF: 57630.5/1

+ sign 45.205 $\pm$ 0.011 χ^2 /NDF: 542575.3/18

All: 45.478 $\pm$ 0.008 χ^2 /NDF: 1140124.6/39

- sign 45.763 $\pm$ 0.011 χ^2 /NDF: 596232.8/20

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: 10.030 $\pm$ 243.524 χ^2 /NDF: 7.5/2

Right Out: 354.204 $\pm$ 181.903 χ^2 /NDF: 15.2/18

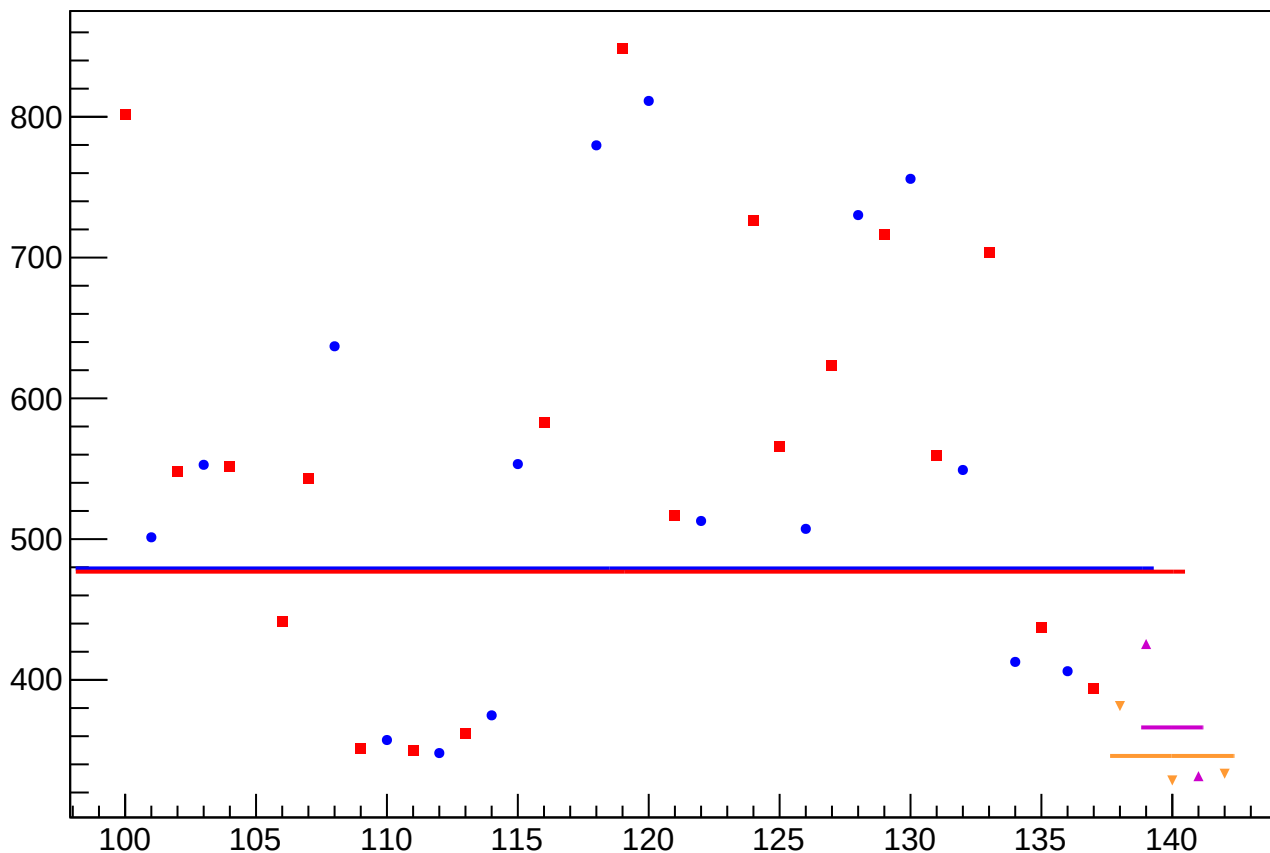
Left In: 174.864 $\pm$ 281.461 χ^2 /NDF: 0.7/1

+ sign 169.629 $\pm$ 147.420 χ^2 /NDF: 33.2/18

All: 233.149 $\pm$ 106.084 χ^2 /NDF: 49.8/39

- sign 301.367 $\pm$ 152.774 χ^2 /NDF: 16.2/20

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF : 952722.6/15

Left Out: 345.983+/-0.172 χ^2/NDF : 18991.9/2

Right Out: 476.893+/-0.129 χ^2/NDF : 1003767.4/18

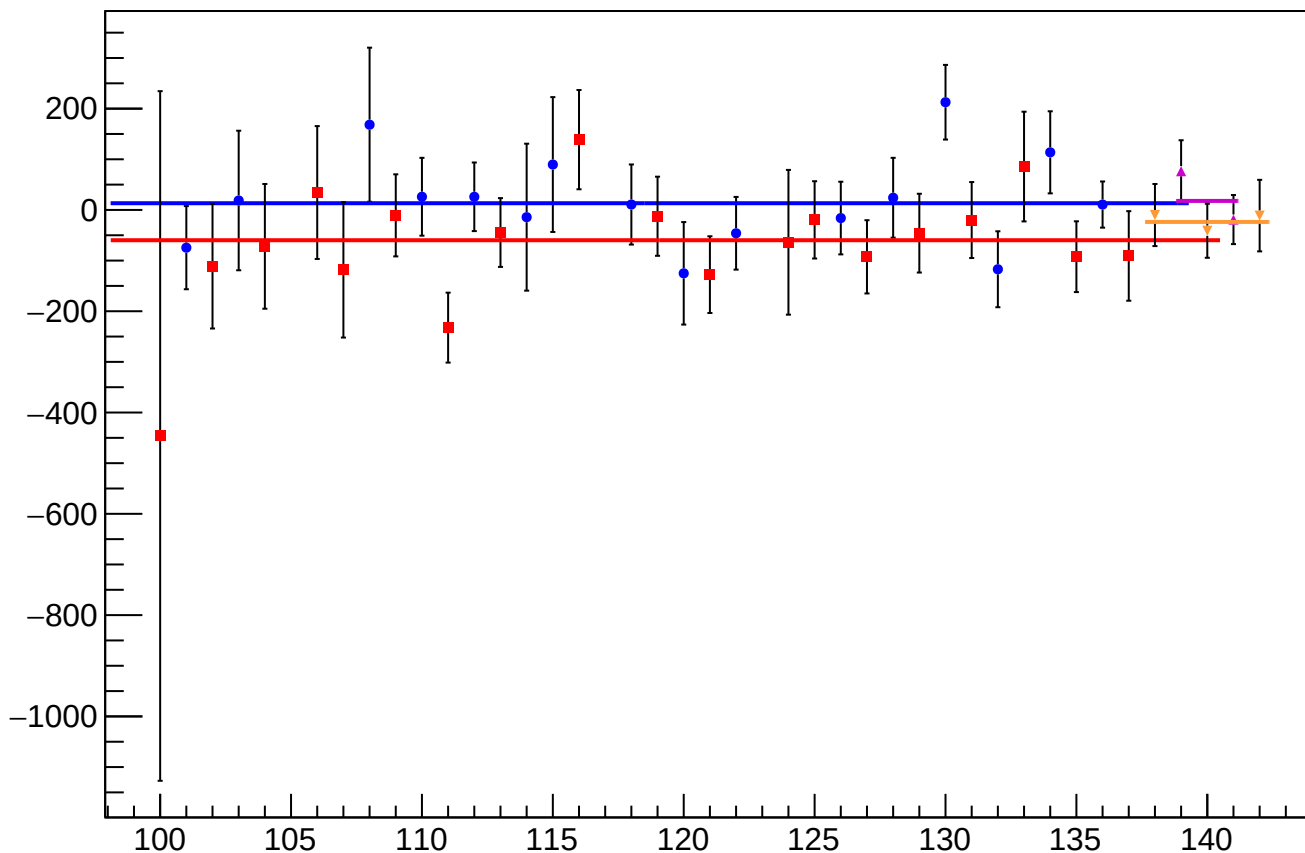
Left In: 366.239+/-0.199 χ^2/NDF : 51789.7/1

+ sign 430.368+/-0.104 χ^2/NDF : 1350776.4/18

All: 437.082+/-0.075 χ^2/NDF : 2632981.3/39

- sign 444.292+/-0.108 χ^2/NDF : 1273602.3/20

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266 $\pm$ 19.849 χ^2 /NDF: 17.2/15

Left Out: -23.688 $\pm$ 34.960 χ^2 /NDF: 0.2/2

Right Out: -59.810 $\pm$ 20.234 χ^2 /NDF: 16.1/18

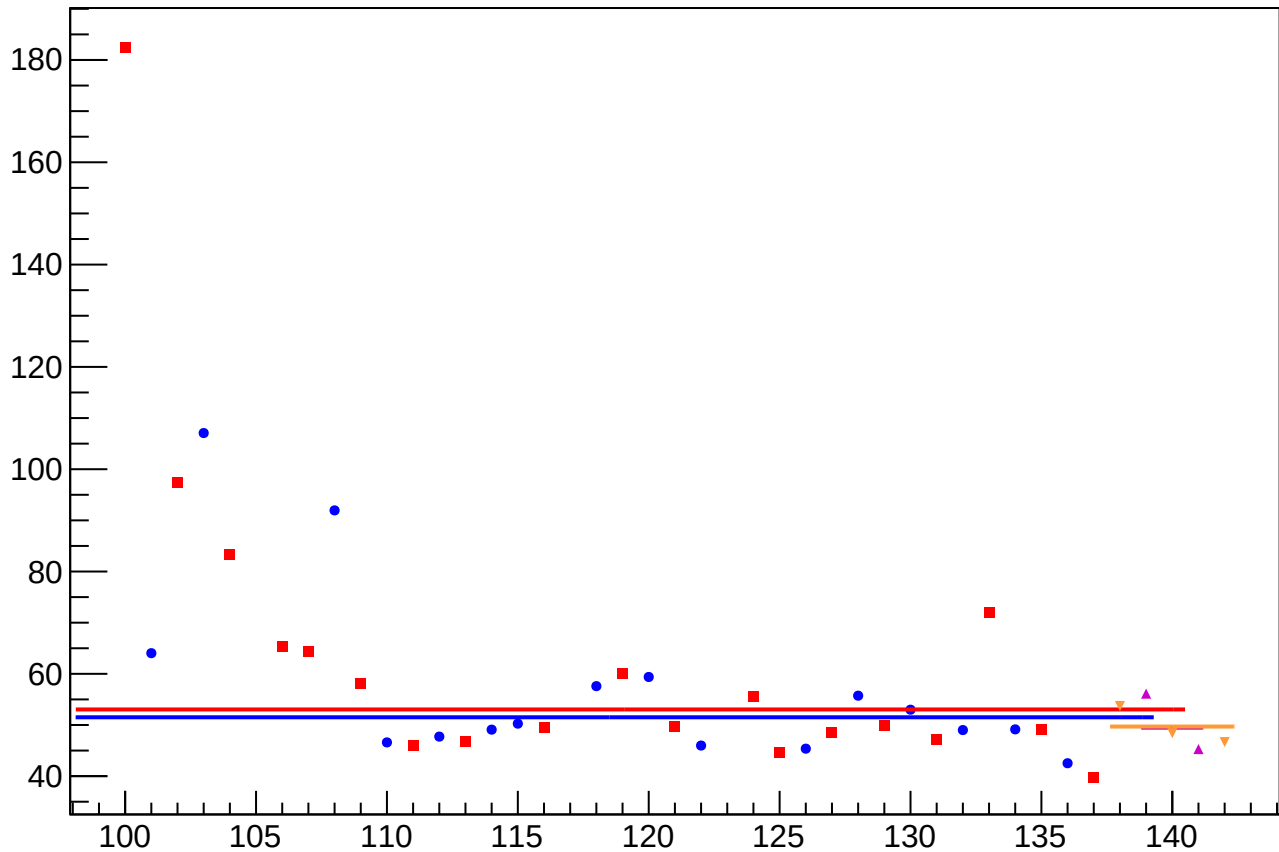
Left In: 17.818 $\pm$ 37.971 χ^2 /NDF: 1.5/1

+ sign 4.257 $\pm$ 17.261 χ^2 /NDF: 18.3/18

All: -18.397 $\pm$ 12.411 χ^2 /NDF: 42.7/39

- sign -42.642 $\pm$ 17.857 χ^2 /NDF: 20.9/20

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506 $\pm$ 0.014 χ^2 /NDF: 667059.0/15

Left Out: 49.696 $\pm$ 0.025 χ^2 /NDF: 13454.8/2

Right Out: 53.037 $\pm$ 0.014 χ^2 /NDF: 712908.4/18

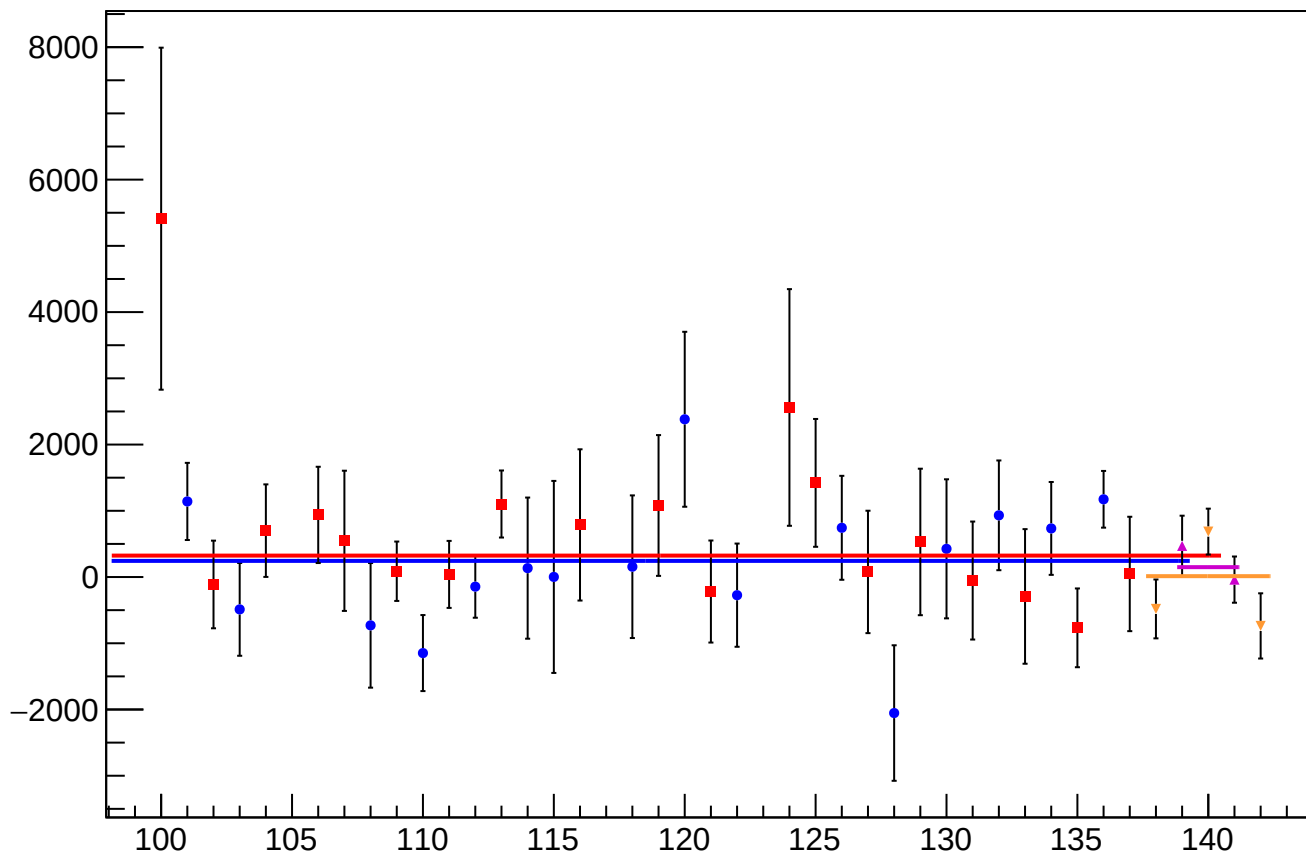
Left In: 49.476 $\pm$ 0.027 χ^2 /NDF: 38585.6/1

+ sign 51.064 $\pm$ 0.012 χ^2 /NDF: 684567.0/18

All: 51.637 $\pm$ 0.009 χ^2 /NDF: 1454319.3/39

- sign 52.250 $\pm$ 0.013 χ^2 /NDF: 765195.9/20

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828 $\pm$ 180.872 χ^2 /NDF: 25.6/15

Left Out: 13.063 $\pm$ 238.985 χ^2 /NDF: 7.3/2

Right Out: 323.628 $\pm$ 173.632 χ^2 /NDF: 16.5/18

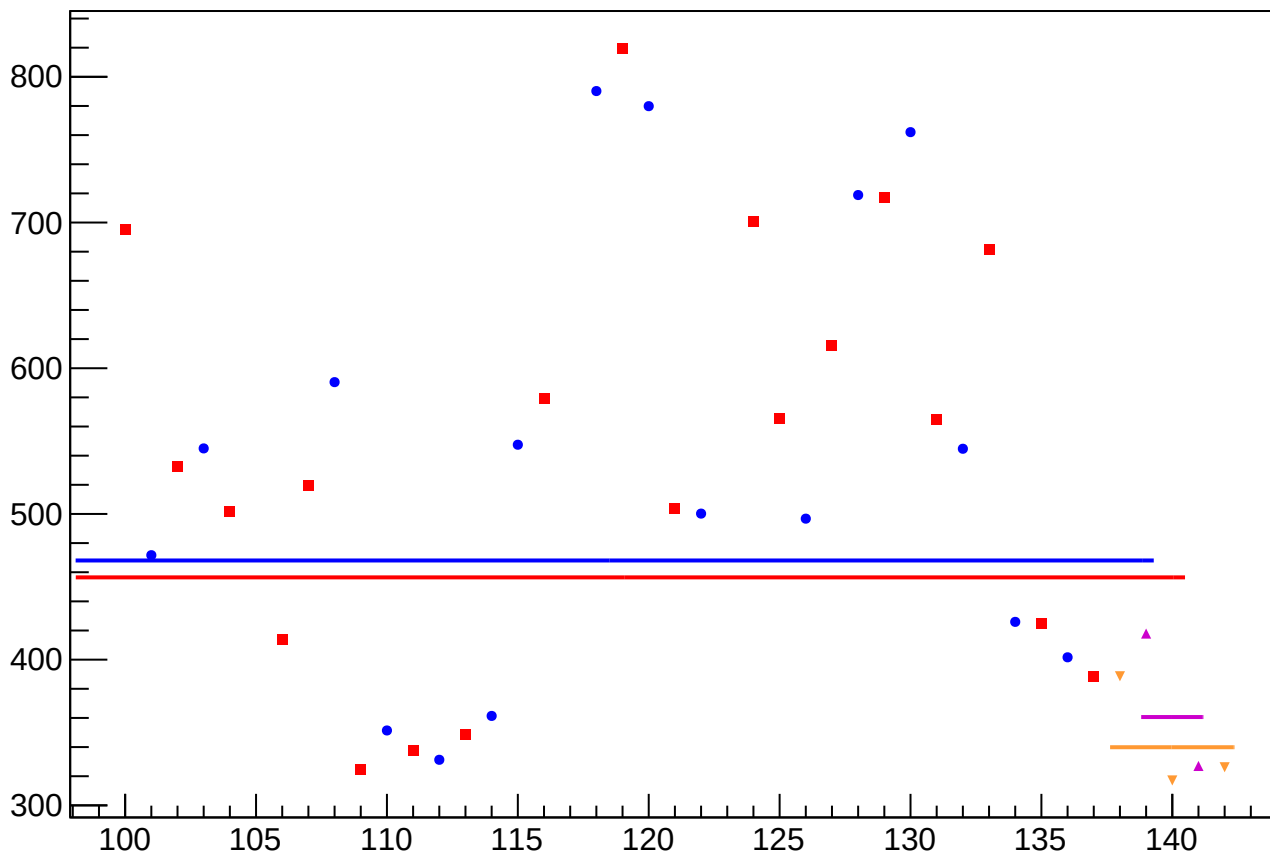
Left In: 149.228 $\pm$ 277.013 χ^2 /NDF: 0.8/1

+ sign 159.785 $\pm$ 144.223 χ^2 /NDF: 33.5/18

All: 215.971 $\pm$ 102.990 χ^2 /NDF: 51.4/39

- sign 274.436 $\pm$ 147.120 χ^2 /NDF: 17.5/20

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: 339.895 $\pm$ 0.169 χ^2/NDF : 34206.6/2

Right Out: 456.468 $\pm$ 0.123 χ^2/NDF : 1082568.2/18

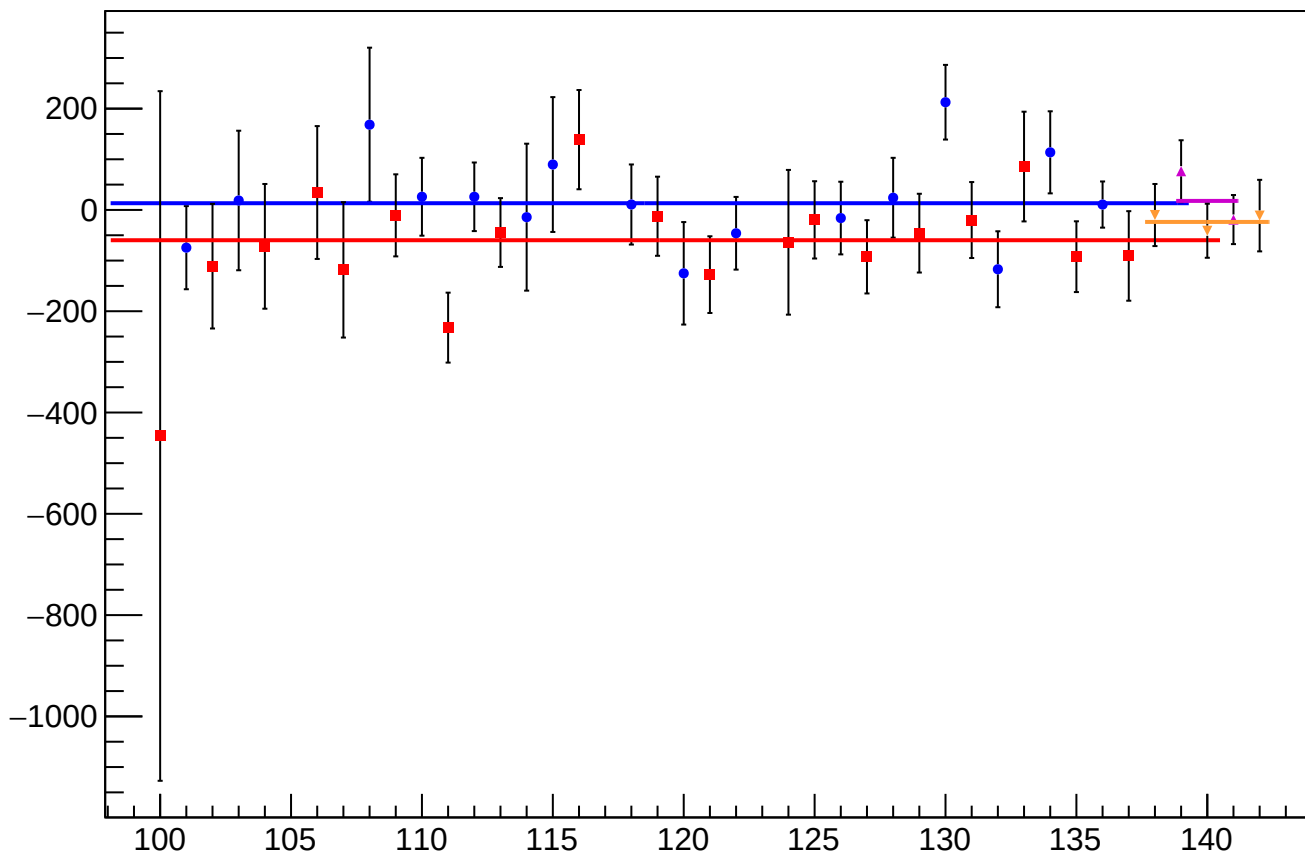
Left In: 360.616 $\pm$ 0.196 χ^2/NDF : 50123.2/1

+ sign 421.387 $\pm$ 0.102 χ^2/NDF : 1382880.5/18

All: 425.329 $\pm$ 0.073 χ^2/NDF : 2690540.5/39

- sign 429.432 $\pm$ 0.104 χ^2/NDF : 1304610.7/20

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF : 17.2/15

Left Out: -23.688+/-34.960 χ^2/NDF : 0.2/2

Right Out: -59.811+/-20.234 χ^2/NDF : 16.1/18

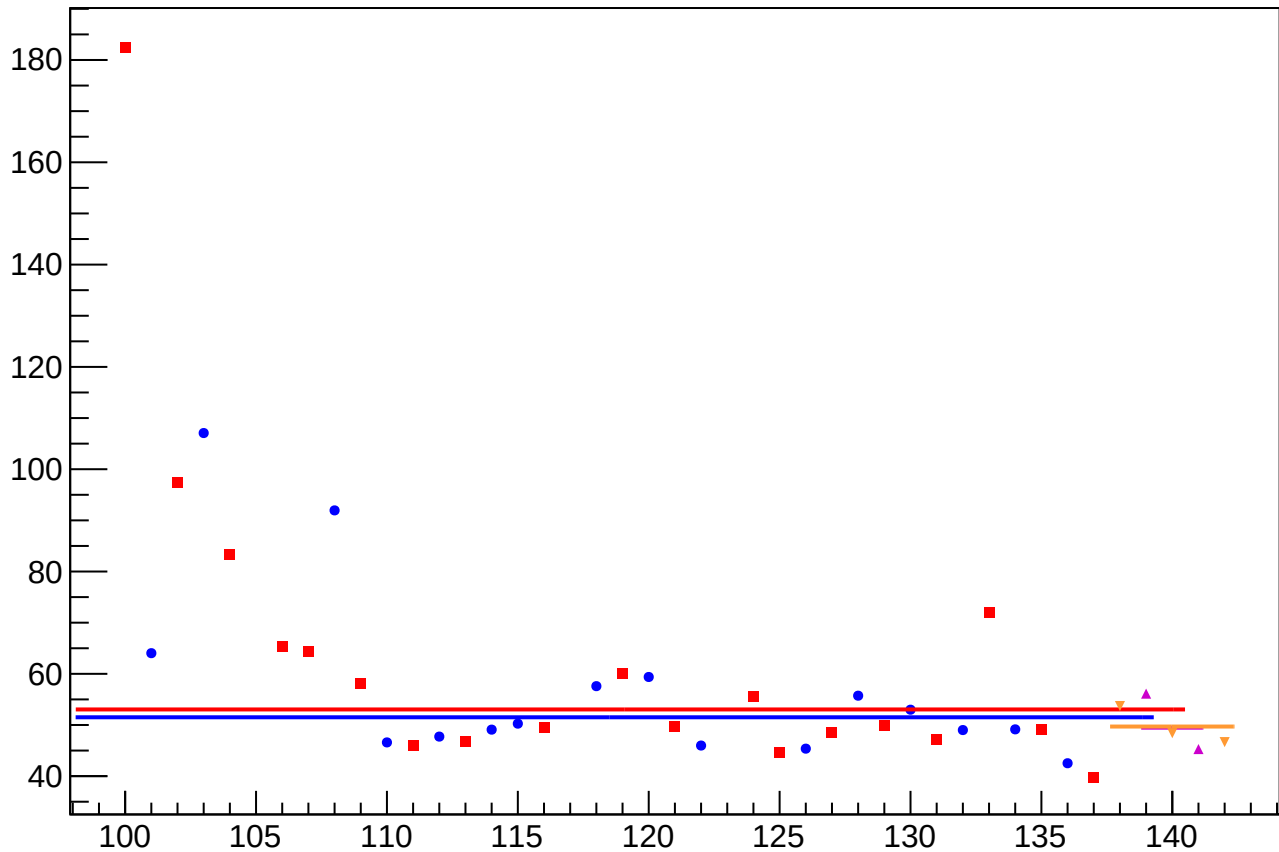
Left In: 17.819+/-37.971 χ^2/NDF : 1.5/1

+ sign 4.258+/-17.261 χ^2/NDF : 18.3/18

All: -18.397+/-12.411 χ^2/NDF : 42.7/39

- sign -42.643+/-17.857 χ^2/NDF : 20.9/20

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: 49.696 $\pm$ 0.025 χ^2 /NDF: 13455.4/2

Right Out: 53.037 $\pm$ 0.014 χ^2 /NDF: 712918.4/18

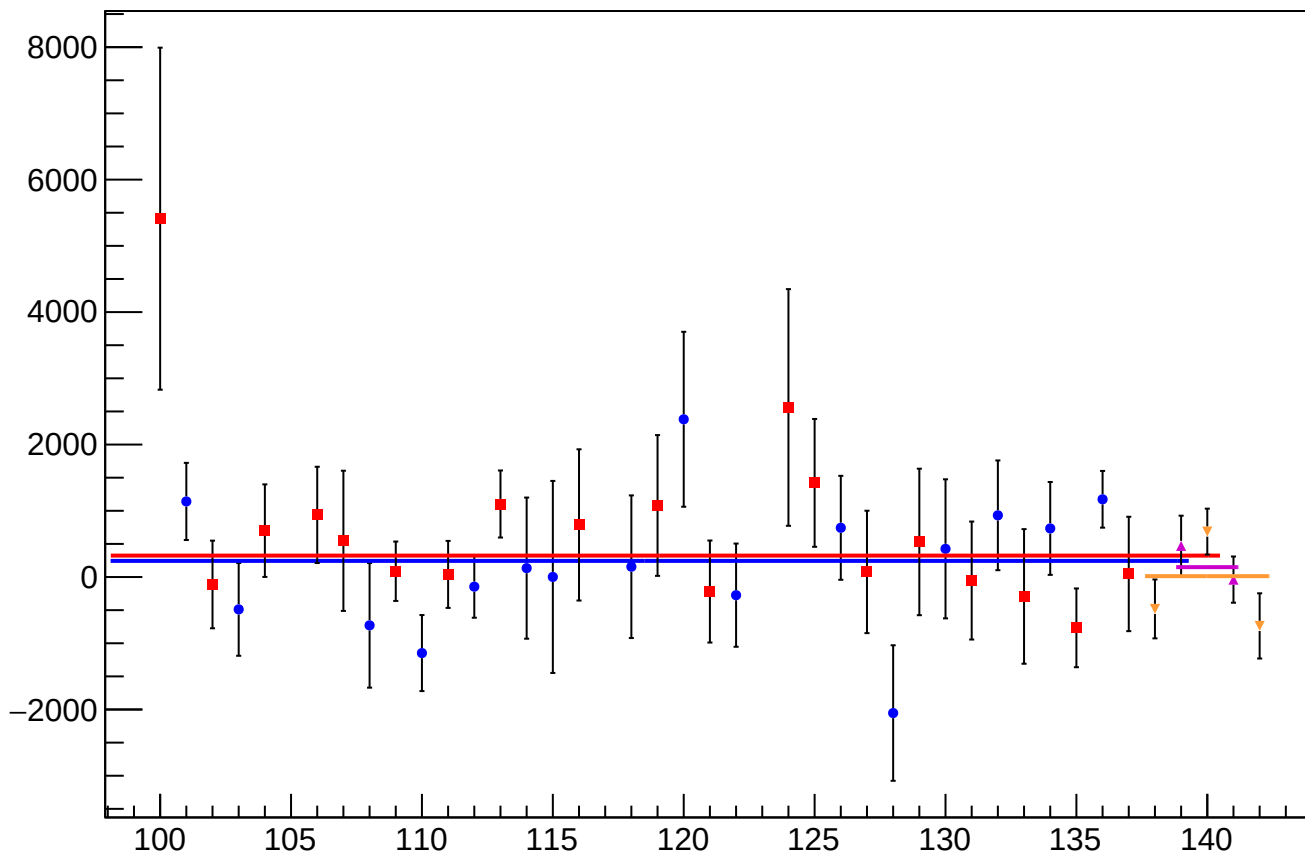
Left In: 49.476 $\pm$ 0.027 χ^2 /NDF: 38584.7/1

+ sign 51.064 $\pm$ 0.012 χ^2 /NDF: 684573.0/18

All: 51.637 $\pm$ 0.009 χ^2 /NDF: 1454334.1/39

- sign 52.250 $\pm$ 0.013 χ^2 /NDF: 765204.6/20

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: 13.064 $\pm$ 238.985 χ^2 /NDF: 7.3/2

Right Out: 323.628 $\pm$ 173.631 χ^2 /NDF: 16.5/18

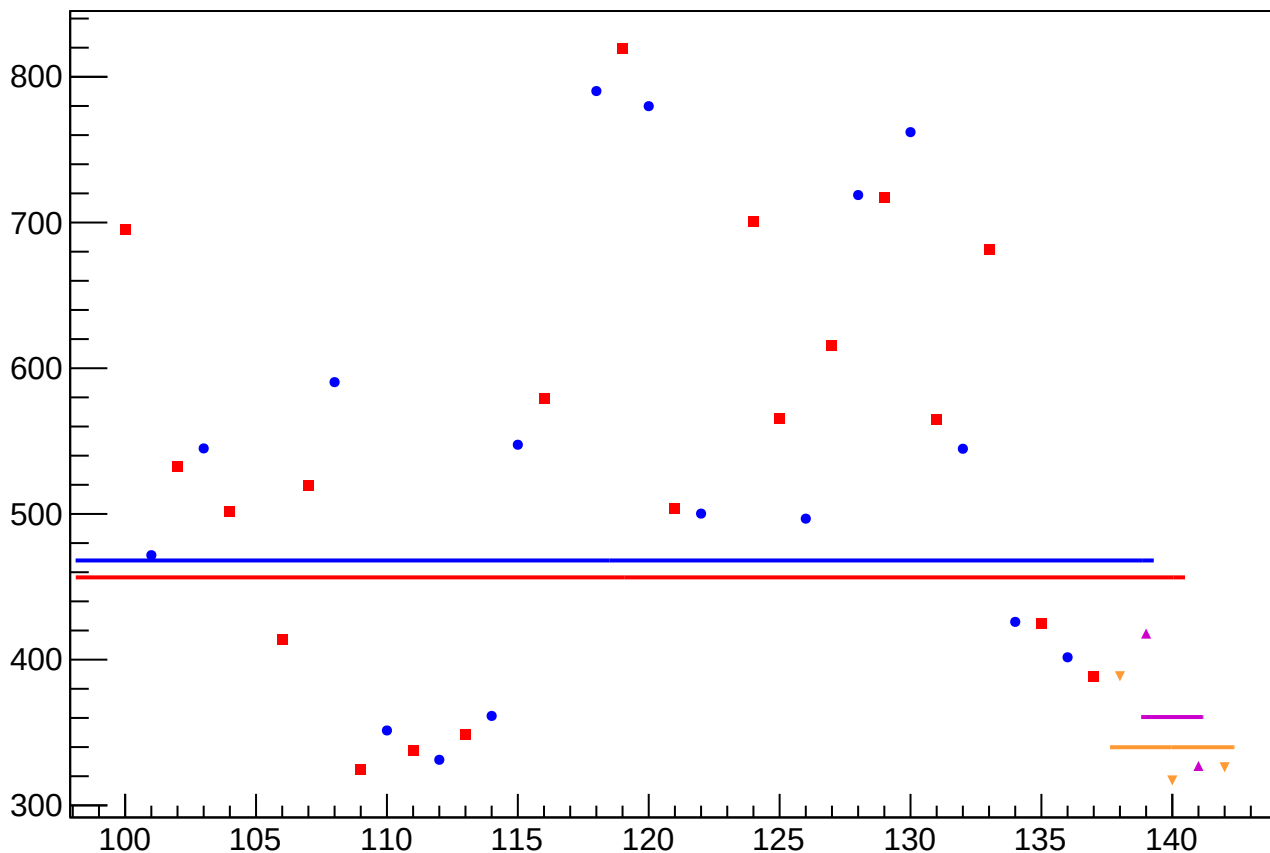
Left In: 149.228 $\pm$ 277.013 χ^2 /NDF: 0.8/1

+ sign 159.785 $\pm$ 144.223 χ^2 /NDF: 33.5/18

All: 215.971 $\pm$ 102.990 χ^2 /NDF: 51.4/39

- sign 274.436 $\pm$ 147.120 χ^2 /NDF: 17.5/20

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 468.065 ± 0.128 χ^2/NDF : 982915.8/15

Left Out: 339.895 ± 0.169 χ^2/NDF : 34207.1/2

Right Out: 456.467 ± 0.123 χ^2/NDF : 1082565.2/18

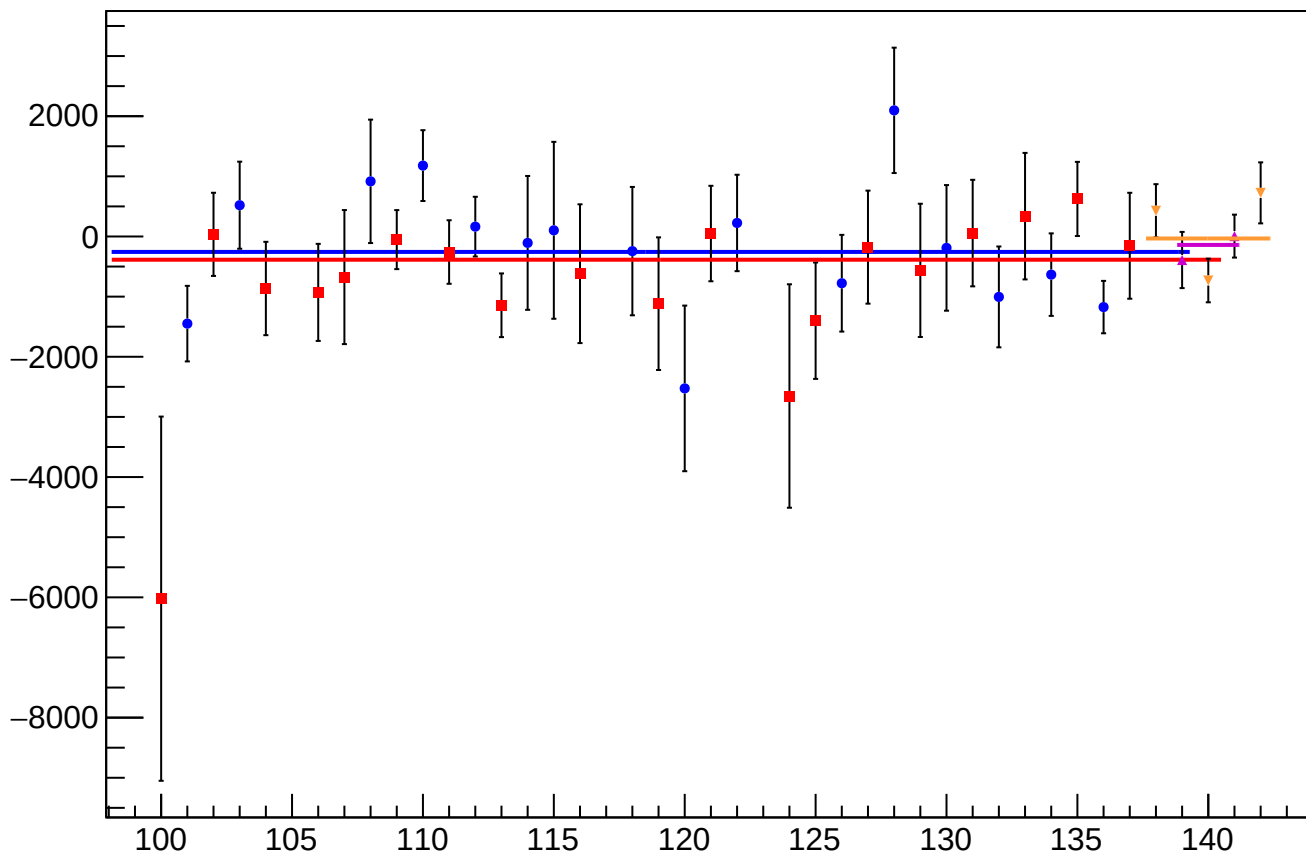
Left In: 360.616 ± 0.196 χ^2/NDF : 50123.2/1

+ sign 421.387 ± 0.102 χ^2/NDF : 1382873.6/18

All: 425.329 ± 0.073 χ^2/NDF : 2690525.8/39

- sign 429.431 ± 0.104 χ^2/NDF : 1304603.0/20

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748 ± 186.462 χ^2/NDF : 26.9/15

Left Out: -33.317 ± 245.482 χ^2/NDF : 7.0/2

Right Out: -386.449 ± 182.363 χ^2/NDF : 14.2/18

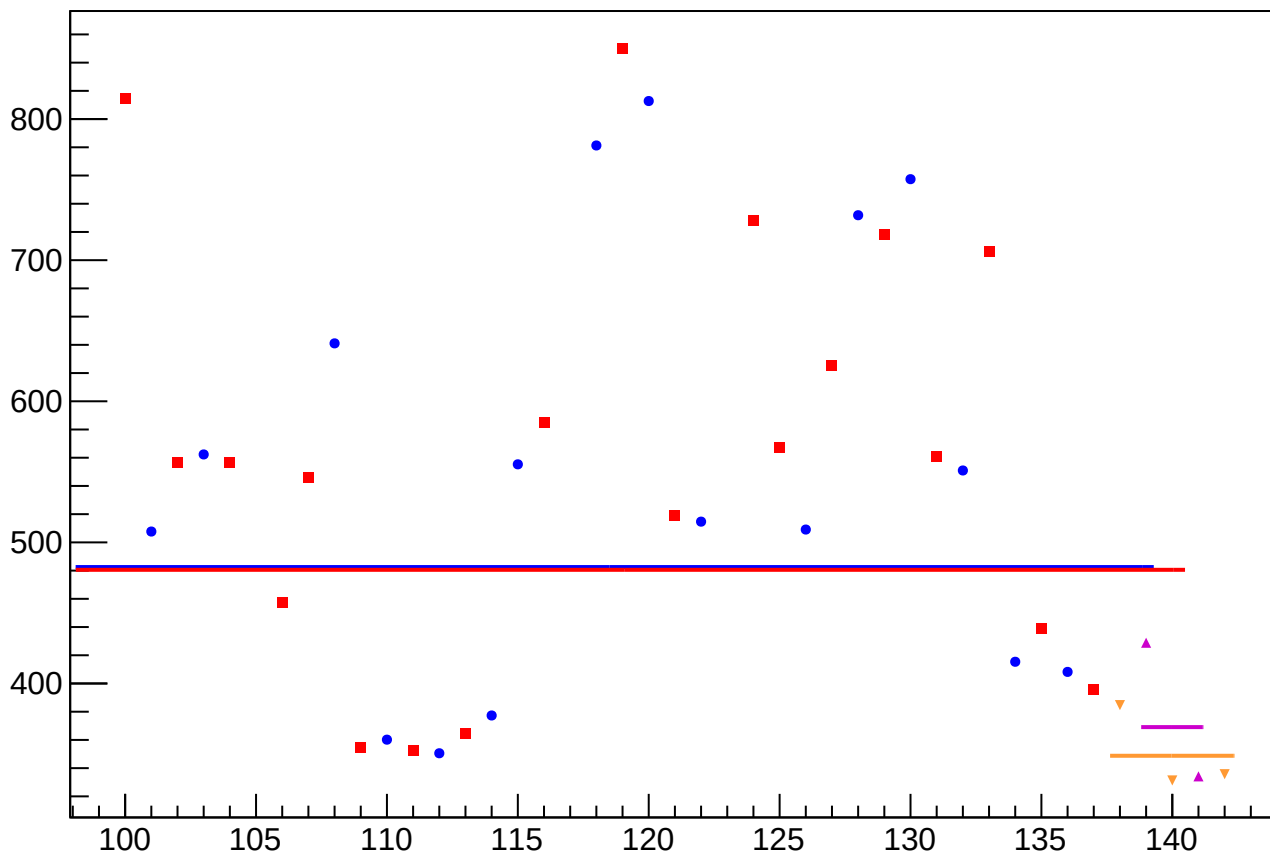
Left In: -140.289 ± 283.646 χ^2/NDF : 0.5/1

+ sign -175.002 ± 148.484 χ^2/NDF : 34.5/18

All: -242.461 ± 106.688 χ^2/NDF : 50.1/39

- sign -314.456 ± 153.395 χ^2/NDF : 15.2/20

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512 $\pm$ 0.132 χ^2 /NDF: 946526.1/15

Left Out: 348.772 $\pm$ 0.174 χ^2 /NDF: 19147.8/2

Right Out: 480.559 $\pm$ 0.129 χ^2 /NDF: 993796.3/18

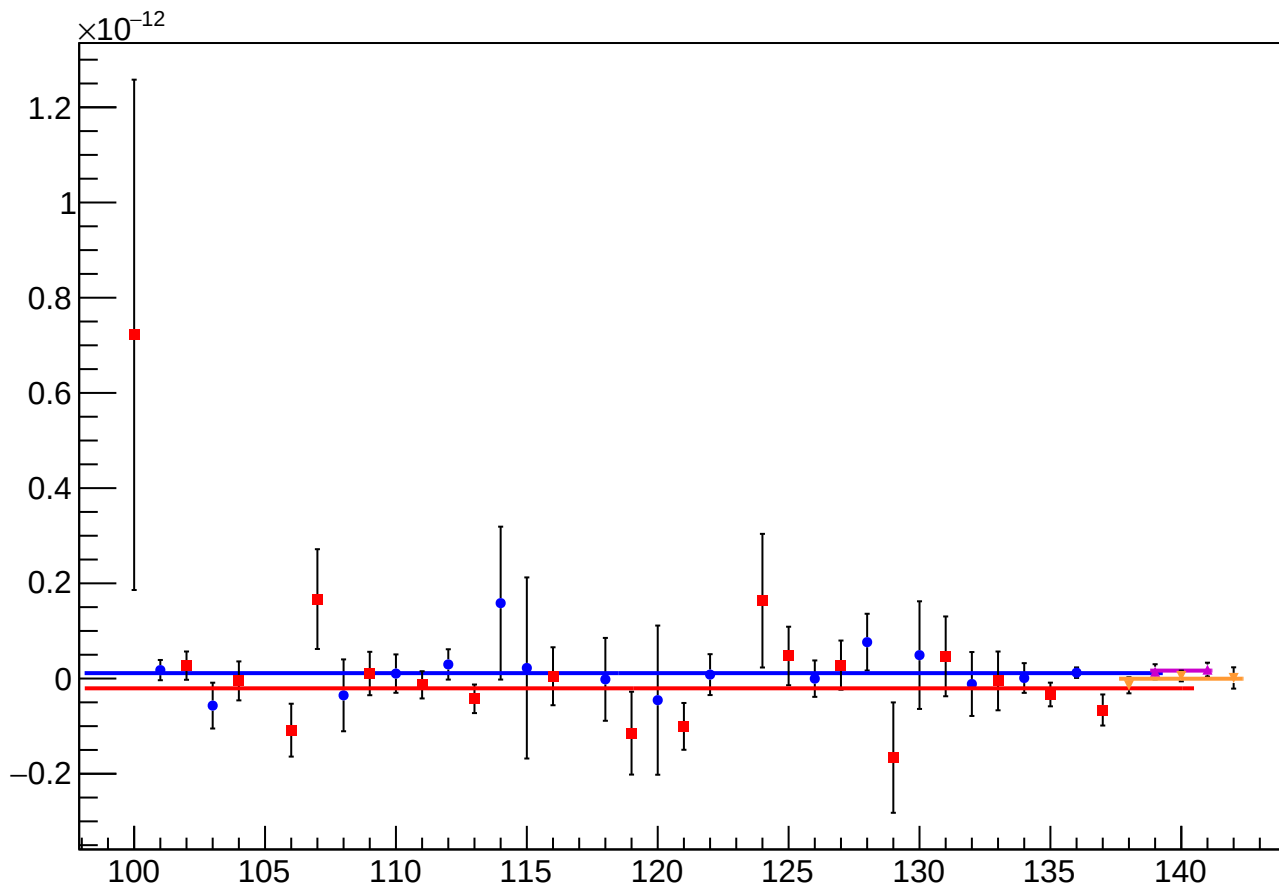
Left In: 369.086 $\pm$ 0.201 χ^2 /NDF: 51888.9/1

+ sign 433.581 $\pm$ 0.105 χ^2 /NDF: 1342113.9/18

All: 440.536 $\pm$ 0.075 χ^2 /NDF: 2615424.6/39

- sign 447.958 $\pm$ 0.108 χ^2 /NDF: 1264241.4/20

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 : 0.9/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.7/18

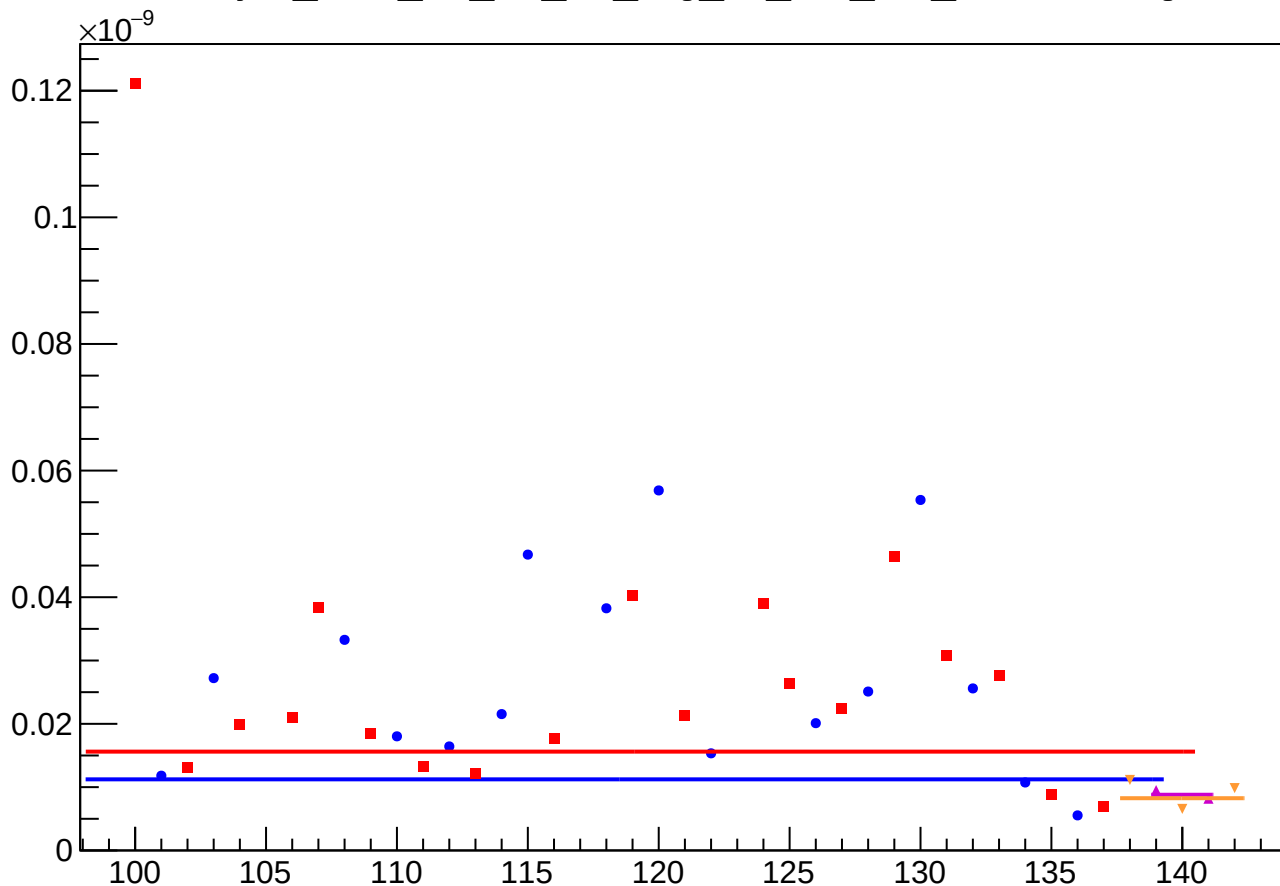
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 7.4/18

All: 0.000 ± 0.000 χ^2/NDF : 38.3/39

- sign -0.000 ± 0.000 χ^2/NDF : 30.1/20

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 :113136.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1184320.2/18

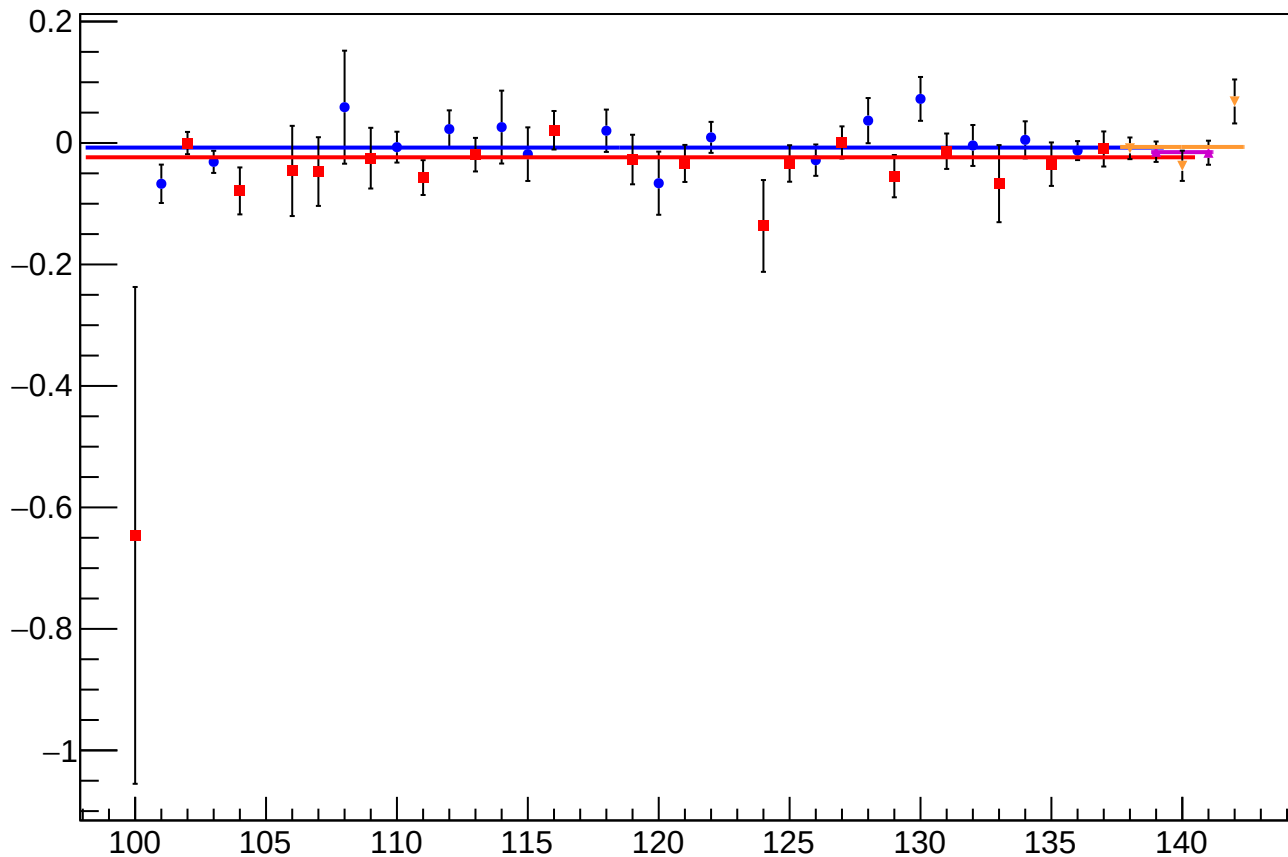
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :7942.0/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2344061.0/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 4097008.2/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 1613748.0/20

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: -0.007 ± 0.013 χ^2/NDF : 5.8/2

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

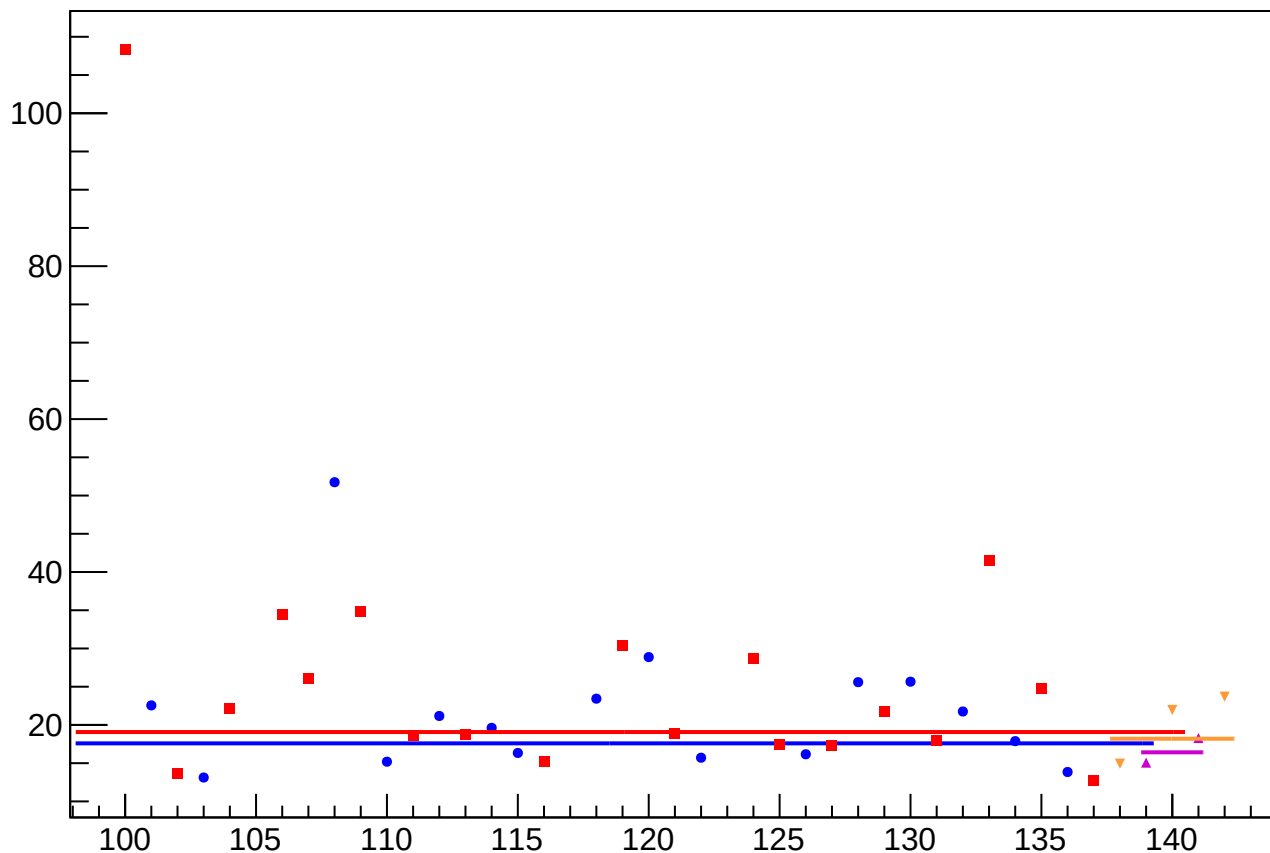
Left In: -0.015 ± 0.013 χ^2/NDF : 0.0/1

+ sign -0.007 ± 0.006 χ^2/NDF : 22.6/18

All: -0.014 ± 0.005 χ^2/NDF : 39.8/39

- sign -0.021 ± 0.007 χ^2/NDF : 15.0/20

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591 $\pm$ 0.005 χ^2/NDF : 993249.5/15

Left Out: 18.197 $\pm$ 0.010 χ^2/NDF : 158769.1/2

Right Out: 19.072 $\pm$ 0.005 χ^2/NDF : 1247983.1/18

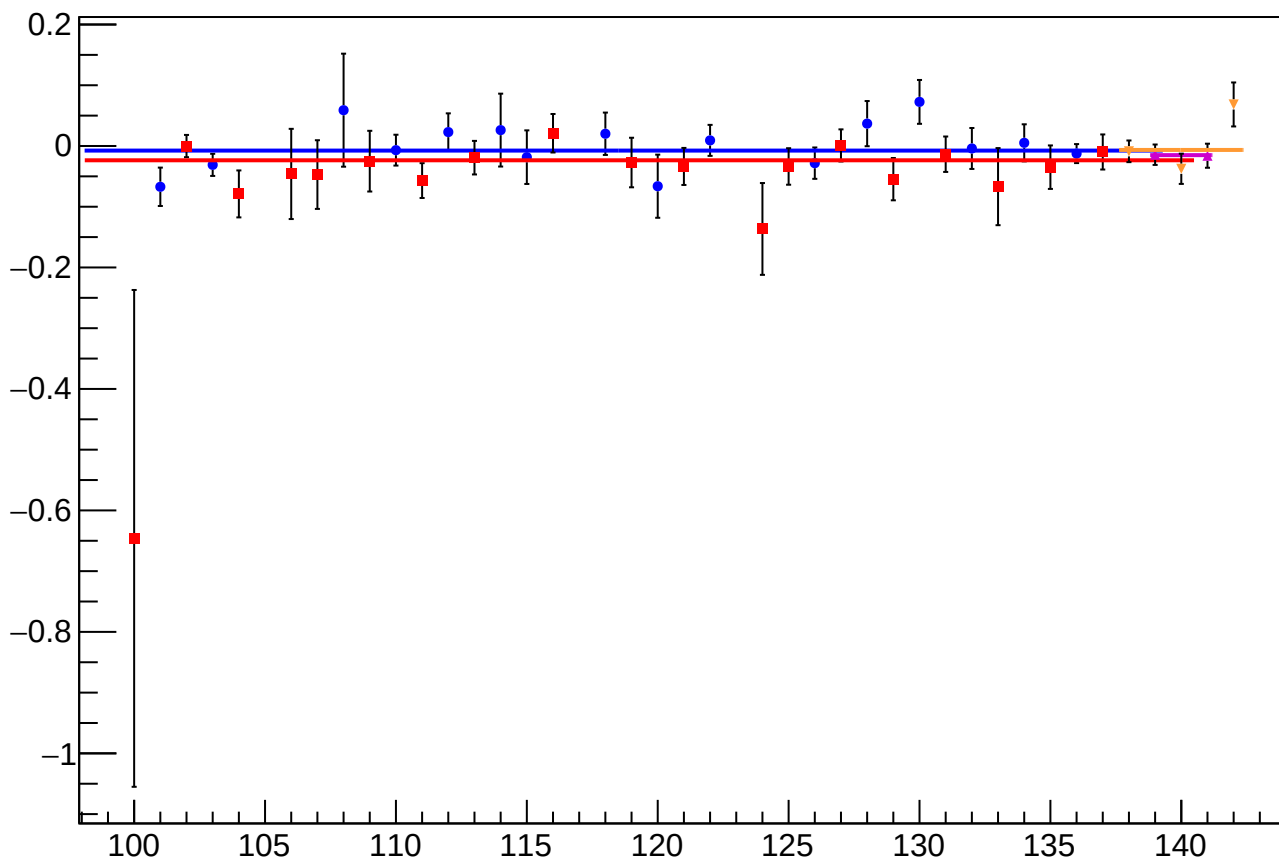
Left In: 16.419 $\pm$ 0.009 χ^2/NDF : 30695.9/1

+ sign 17.726 $\pm$ 0.004 χ^2/NDF : 1155173.1/18

All: 18.031 $\pm$ 0.003 χ^2/NDF : 2506266.9/39

- sign 18.362 $\pm$ 0.005 χ^2/NDF : 1341488.0/20

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: -0.007 ± 0.013 χ^2/NDF : 5.8/2

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

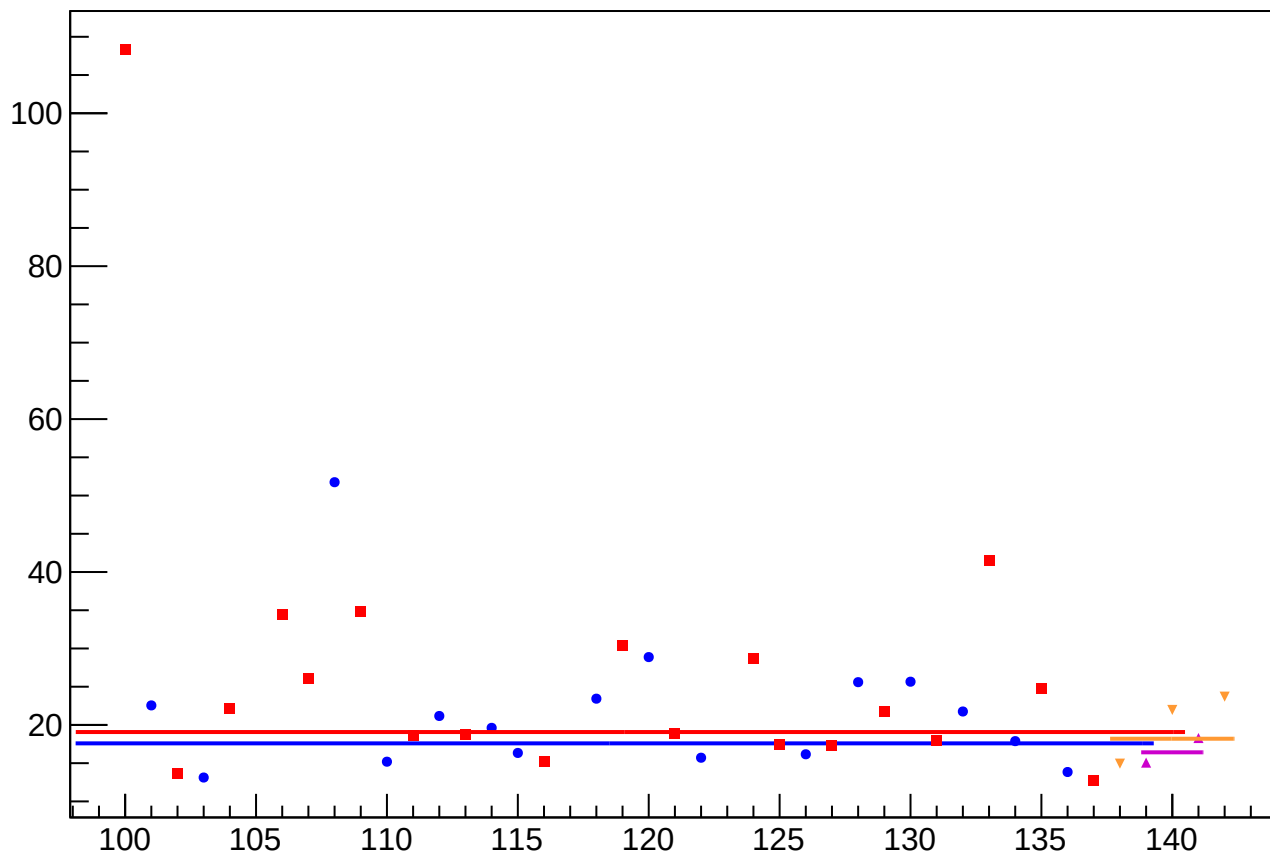
Left In: -0.015 ± 0.013 χ^2/NDF : 0.0/1

+ sign -0.007 ± 0.006 χ^2/NDF : 22.6/18

All: -0.014 ± 0.005 χ^2/NDF : 39.8/39

- sign -0.021 ± 0.007 χ^2/NDF : 15.0/20

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 17.591 $\pm$ 0.005 χ^2 /NDF: 993249.5/15

Left Out: 18.197 $\pm$ 0.010 χ^2 /NDF:158769.1/2

Right Out: 19.072 $\pm$ 0.005 χ^2 /NDF: 1247983.1/18

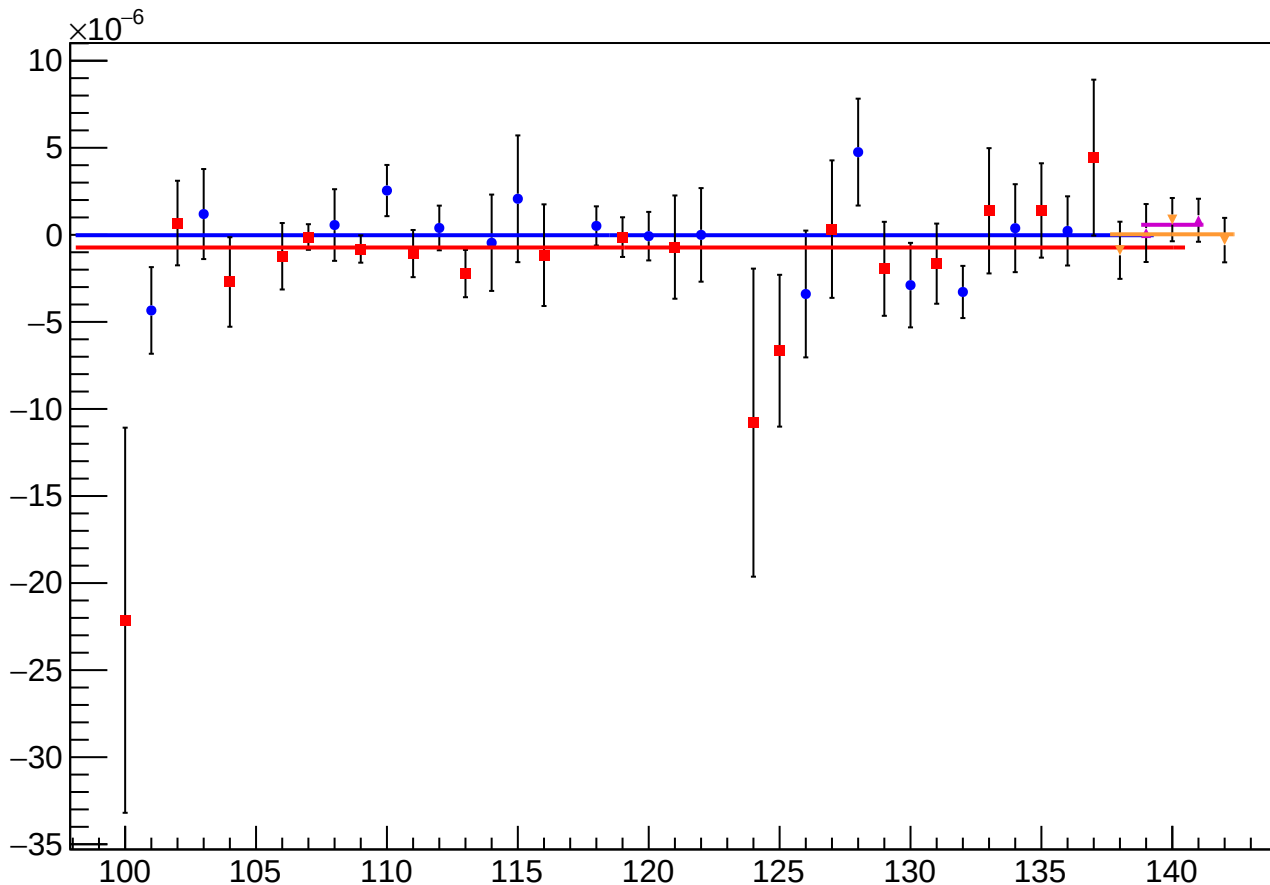
Left In: 16.419 $\pm$ 0.009 χ^2 /NDF:30695.9/1

+ sign 17.726 $\pm$ 0.004 χ^2 /NDF: 1155173.1/18

All: 18.031 $\pm$ 0.003 χ^2 /NDF: 2506266.9/39

- sign 18.362 $\pm$ 0.005 χ^2 /NDF: 1341488.0/20

asym_sam_15_37_dd_eigen_dit_vs_dit_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: 0.8/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/18

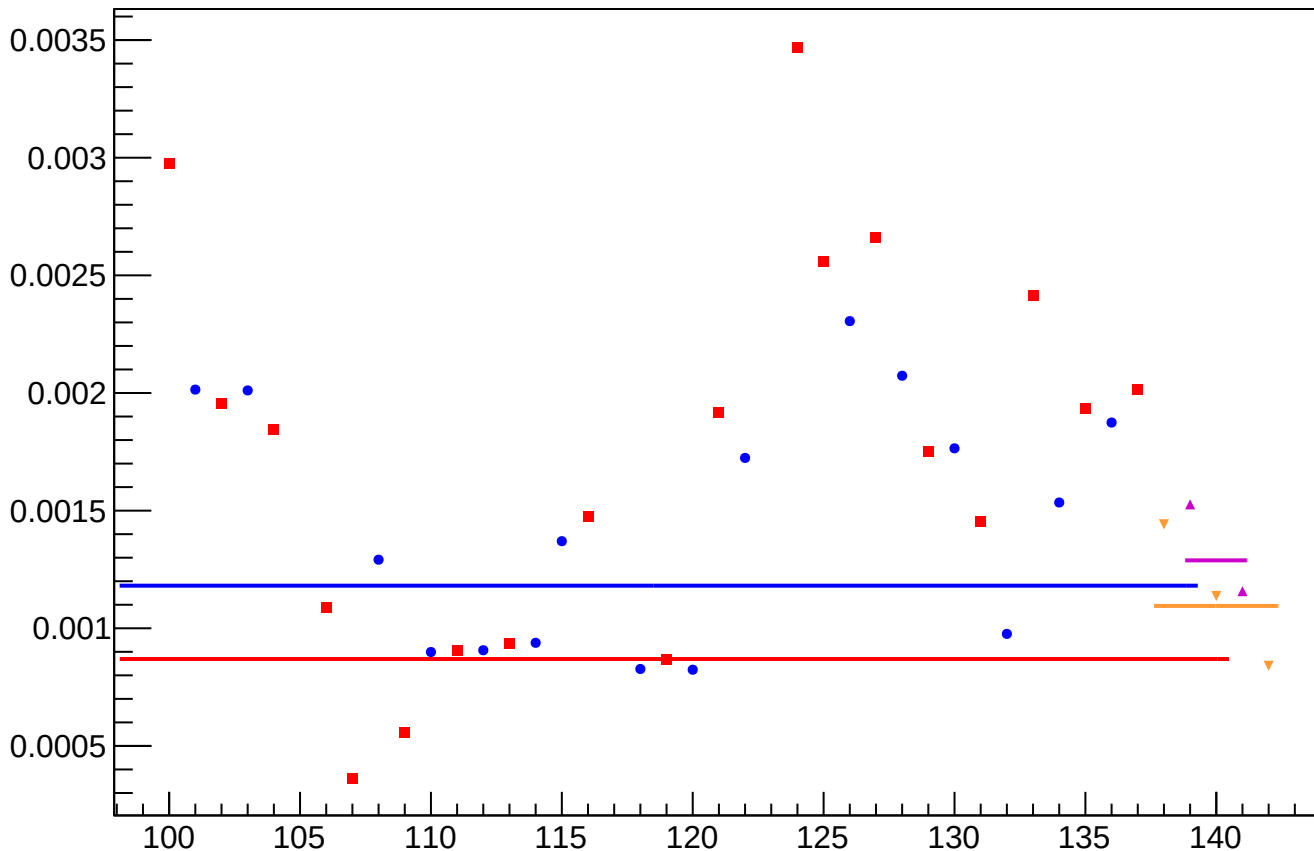
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 17.3/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.9/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/20

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2/NDF : 1828304.9/15

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF : 171053.4/2

Right Out: 0.001 $\pm$ 0.000 χ^2/NDF : 4435351.6/18

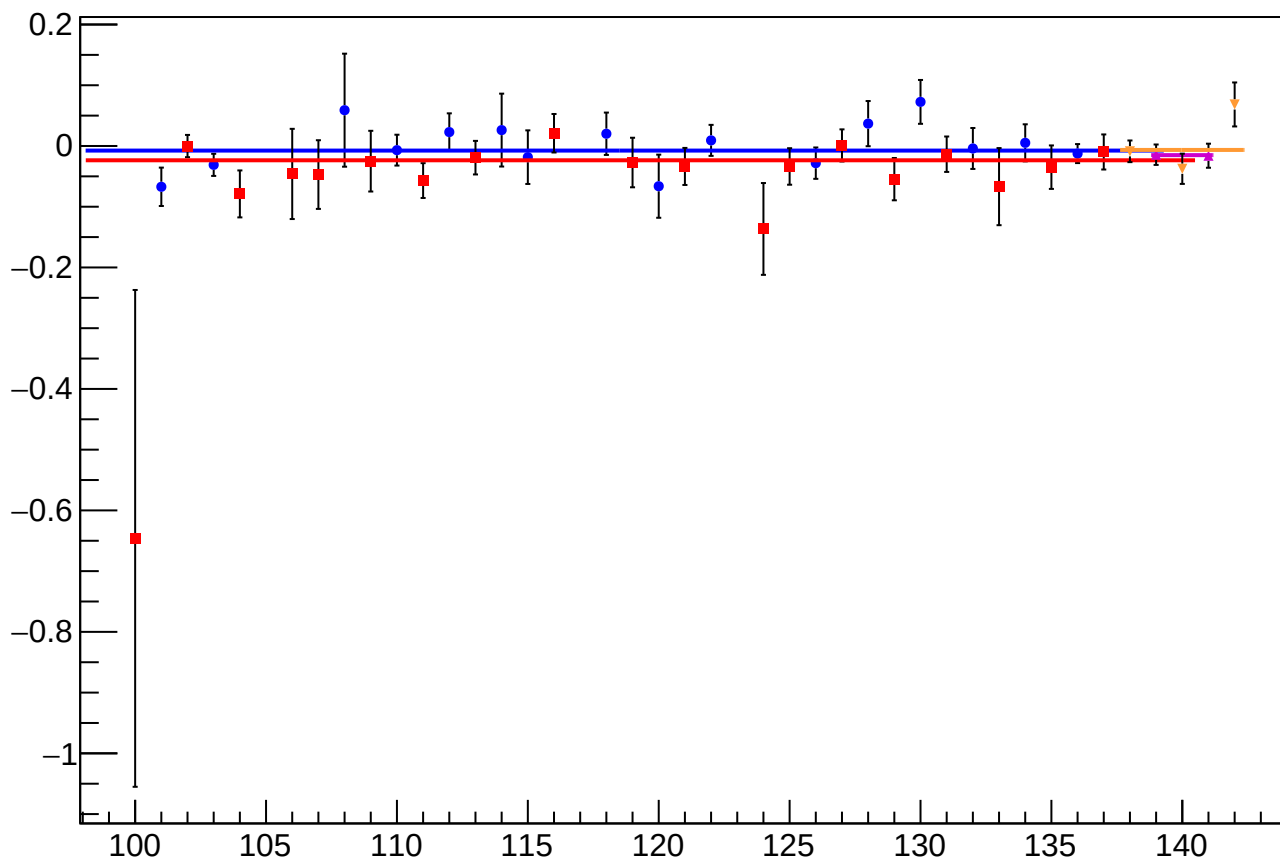
Left In: 0.001 $\pm$ 0.000 χ^2/NDF : 63420.5/1

+ sign 0.001 $\pm$ 0.000 χ^2/NDF : 2017069.0/18

All: 0.001 $\pm$ 0.000 χ^2/NDF : 7206700.9/39

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 4810194.7/20

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: -0.007 ± 0.013 χ^2/NDF : 5.8/2

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

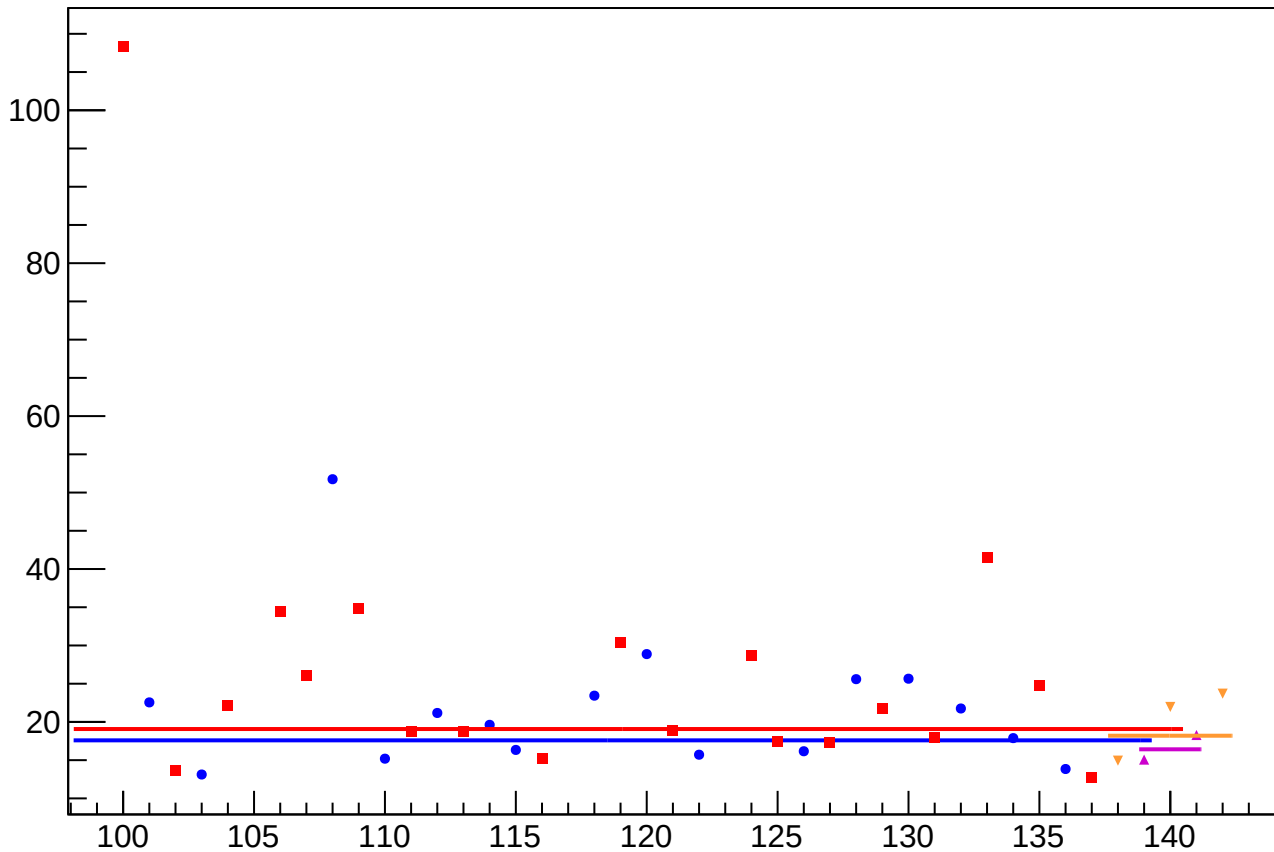
Left In: -0.015 ± 0.013 χ^2/NDF : 0.0/1

+ sign -0.007 ± 0.006 χ^2/NDF : 22.6/18

All: -0.014 ± 0.005 χ^2/NDF : 39.8/39

- sign -0.021 ± 0.007 χ^2/NDF : 15.0/20

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: 18.198 $\pm$ 0.010 χ^2 /NDF:158767.5/2

Right Out: 19.072 $\pm$ 0.005 χ^2 /NDF: 1247904.7/18

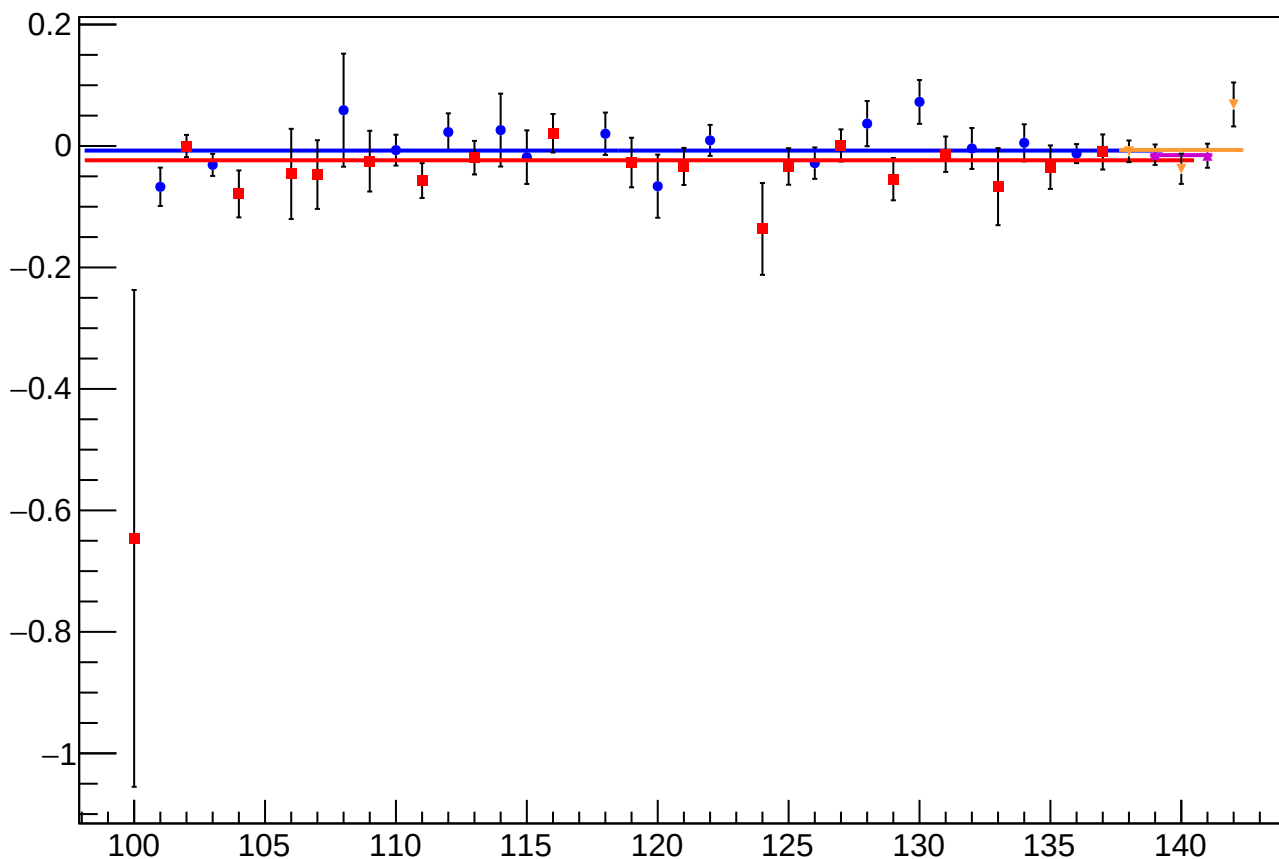
Left In: 16.419 $\pm$ 0.009 χ^2 /NDF:30695.7/1

+ sign 17.726 $\pm$ 0.004 χ^2 /NDF: 1155211.3/18

All: 18.031 $\pm$ 0.003 χ^2 /NDF: 2506234.7/39

- sign 18.363 $\pm$ 0.005 χ^2 /NDF: 1341409.7/20

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 $\pm$ 0.007 χ^2 /NDF: 16.7/15

Left Out: -0.007 $\pm$ 0.013 χ^2 /NDF: 5.8/2

Right Out: -0.024 $\pm$ 0.008 χ^2 /NDF: 14.6/18

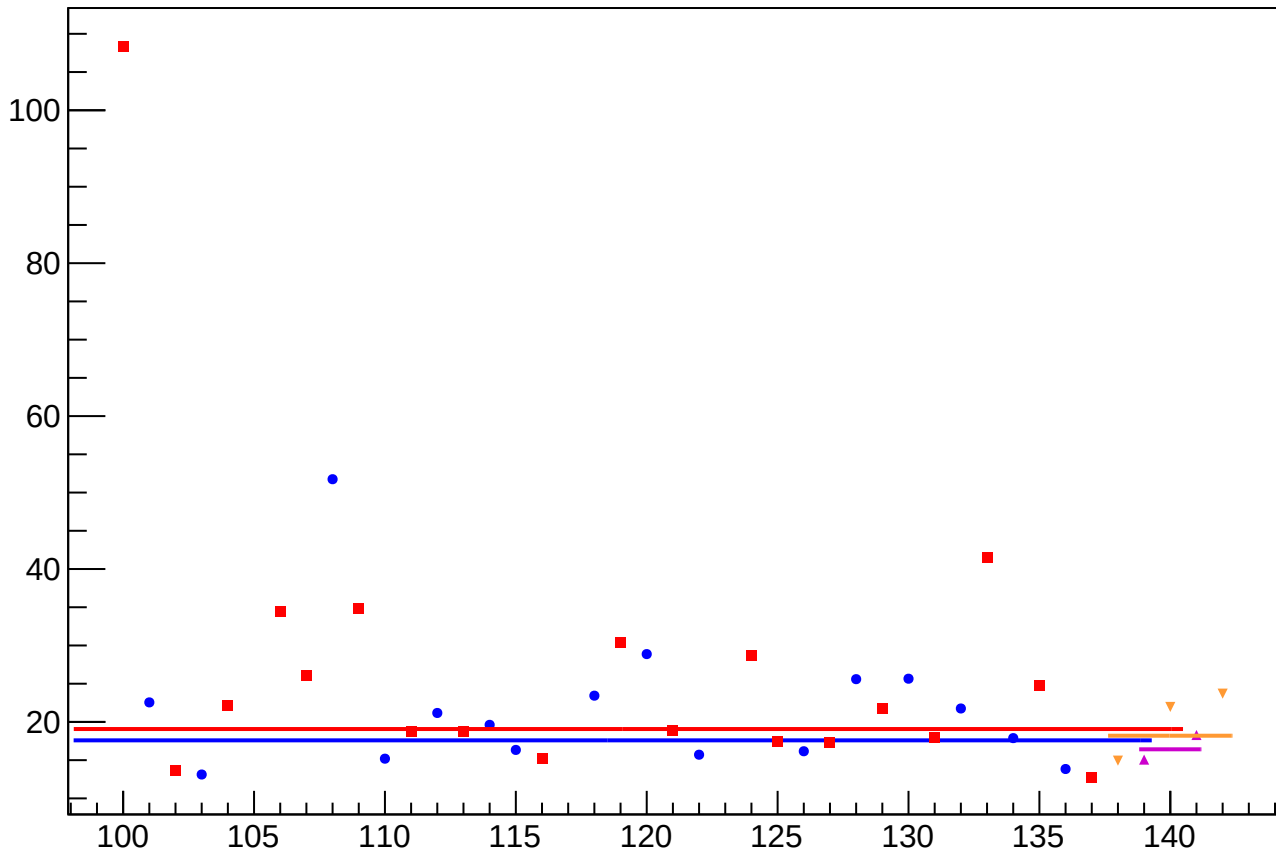
Left In: -0.015 $\pm$ 0.013 χ^2 /NDF: 0.0/1

+ sign -0.007 $\pm$ 0.006 χ^2 /NDF: 22.6/18

All: -0.014 $\pm$ 0.005 χ^2 /NDF: 39.8/39

- sign -0.021 $\pm$ 0.007 χ^2 /NDF: 15.0/20

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: 18.198 $\pm$ 0.010 χ^2 /NDF:158767.5/2

Right Out: 19.072 $\pm$ 0.005 χ^2 /NDF: 1247904.7/18

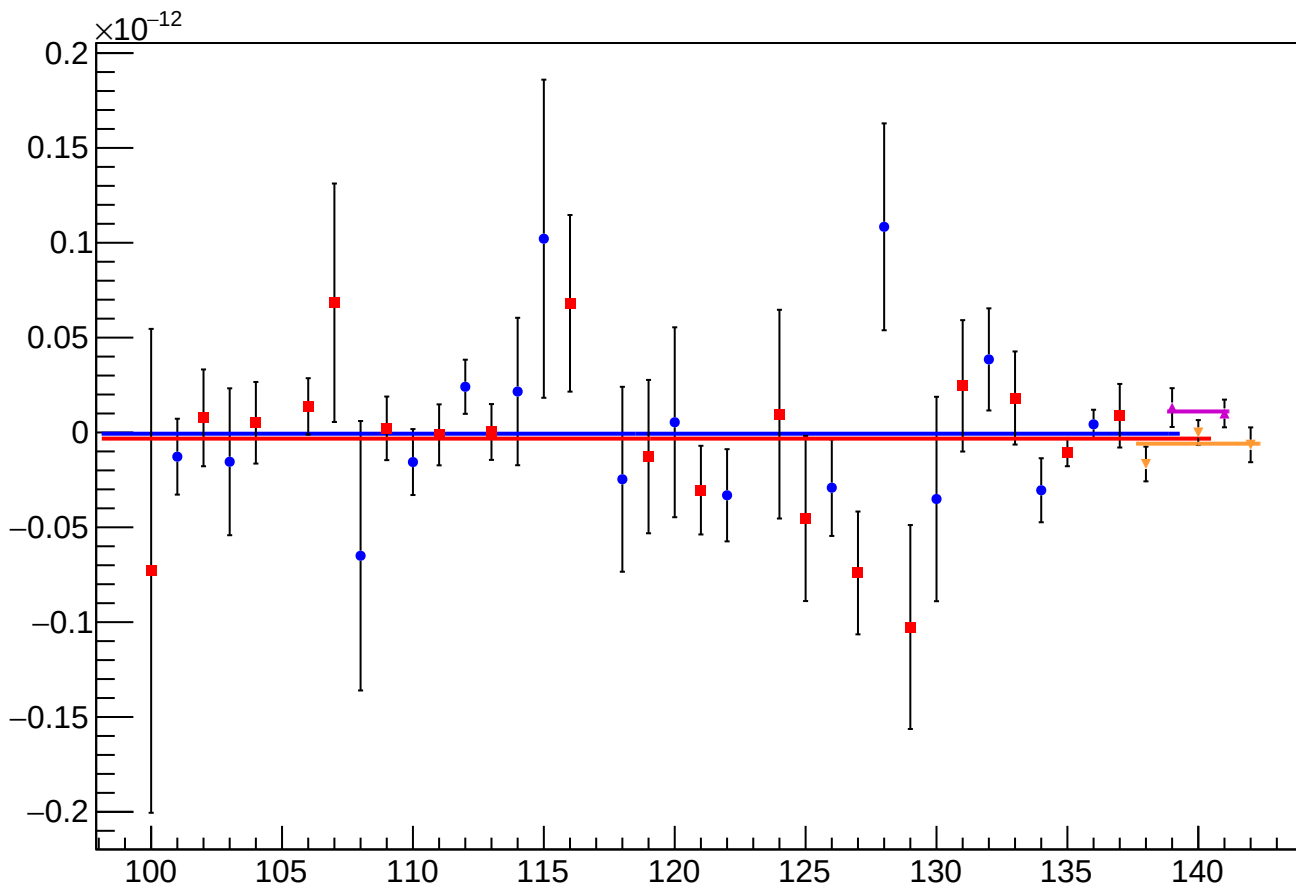
Left In: 16.419 $\pm$ 0.009 χ^2 /NDF:30695.7/1

+ sign 17.726 $\pm$ 0.004 χ^2 /NDF: 1155211.3/18

All: 18.031 $\pm$ 0.003 χ^2 /NDF: 2506234.7/39

- sign 18.363 $\pm$ 0.005 χ^2 /NDF: 1341409.7/20

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: 2.2/2

Right Out: -0.000+/-0.000 χ^2 /NDF: 19.2/18

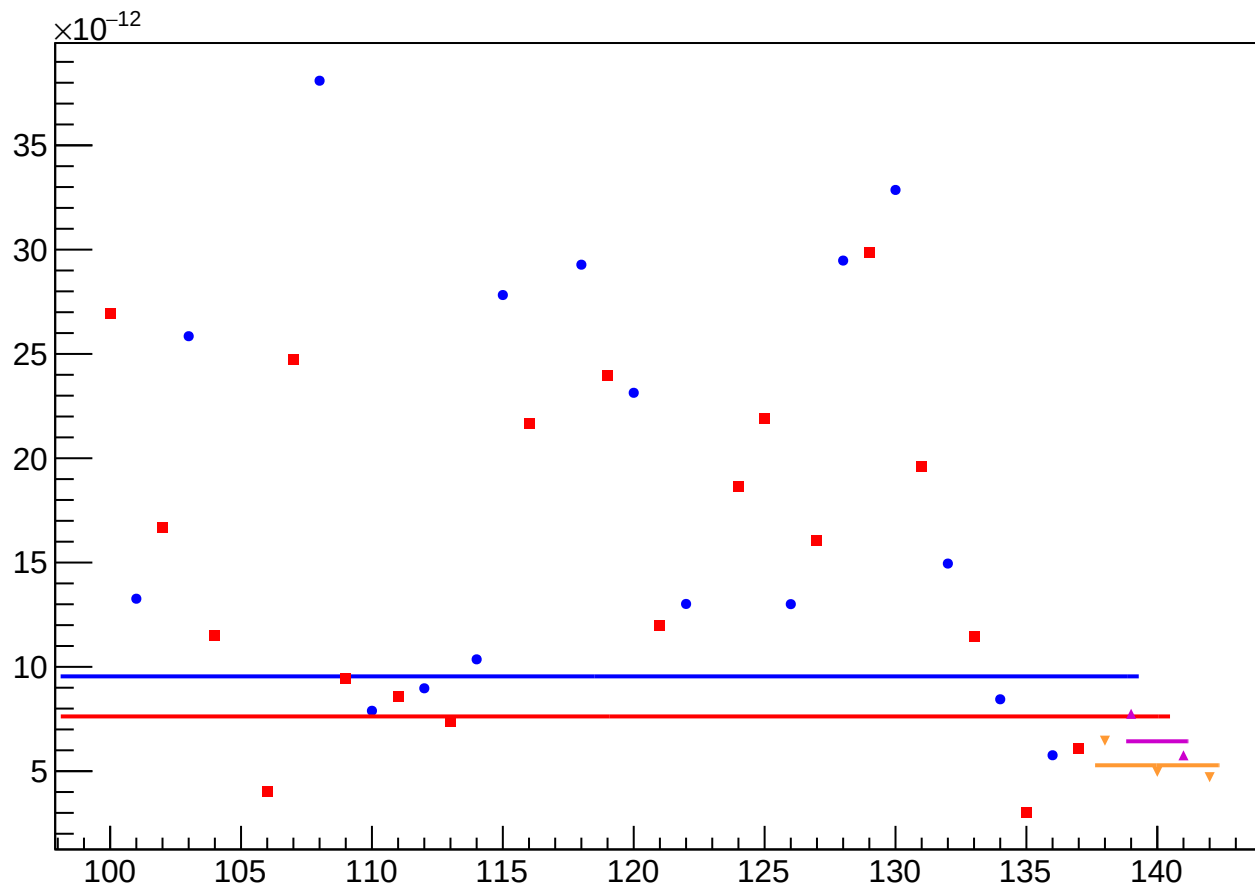
Left In: 0.000+/-0.000 χ^2 /NDF: 0.1/1

+ sign -0.000+/-0.000 χ^2 /NDF: 23.0/18

All: -0.000+/-0.000 χ^2 /NDF: 47.2/39

- sign 0.000+/-0.000 χ^2 /NDF: 22.9/20

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 : 45439.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3086000.4/18

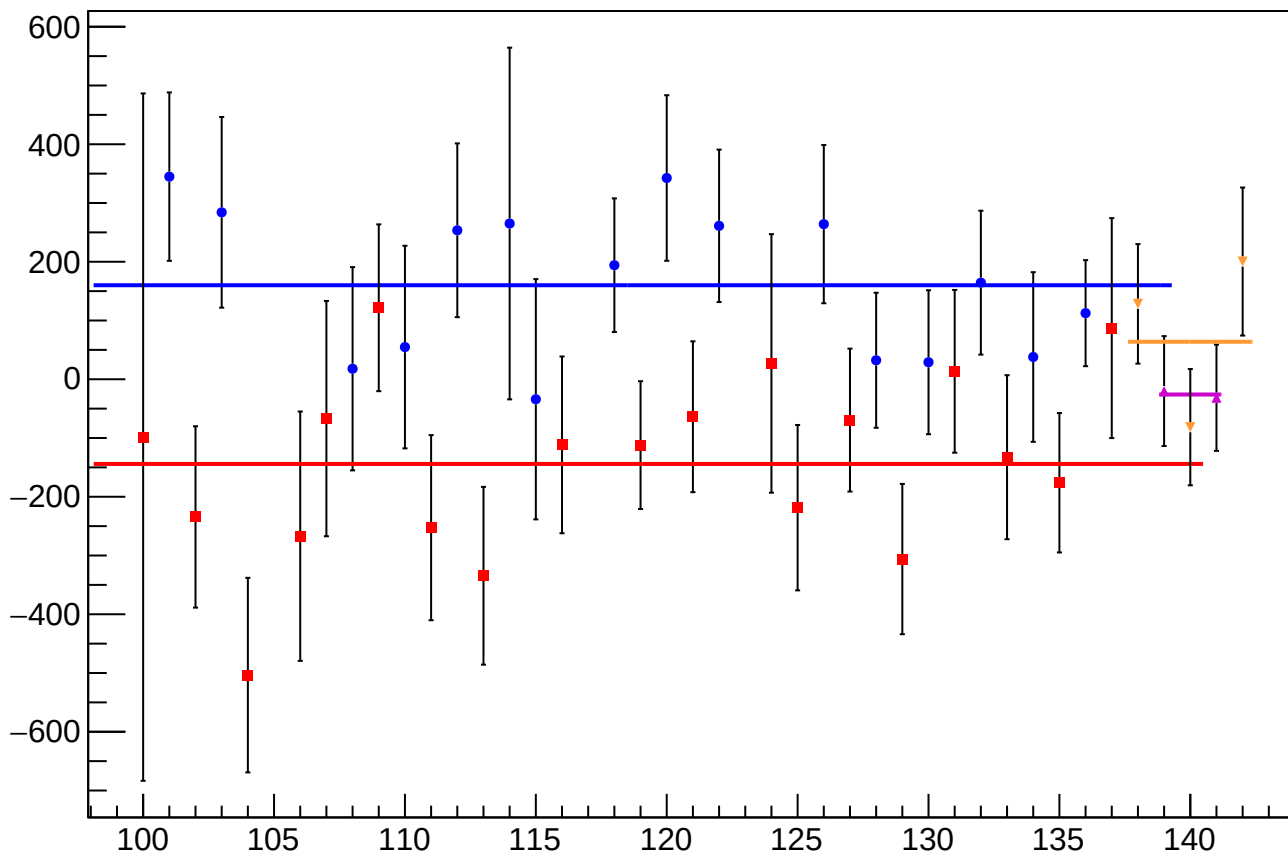
Left In: 0.000+/-0.000 χ^2/NDF : 50191.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 3450813.2/18

All: 0.000+/-0.000 χ^2/NDF : 6638314.4/39

- sign 0.000+/-0.000 χ^2/NDF : 3187450.4/20

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024 $\pm$ 34.170 χ^2 /NDF: 11.1/15

Left Out: 63.800 $\pm$ 61.806 χ^2 /NDF:3.7/2

Right Out: -144.117 $\pm$ 34.213 χ^2 /NDF: 17.4/18

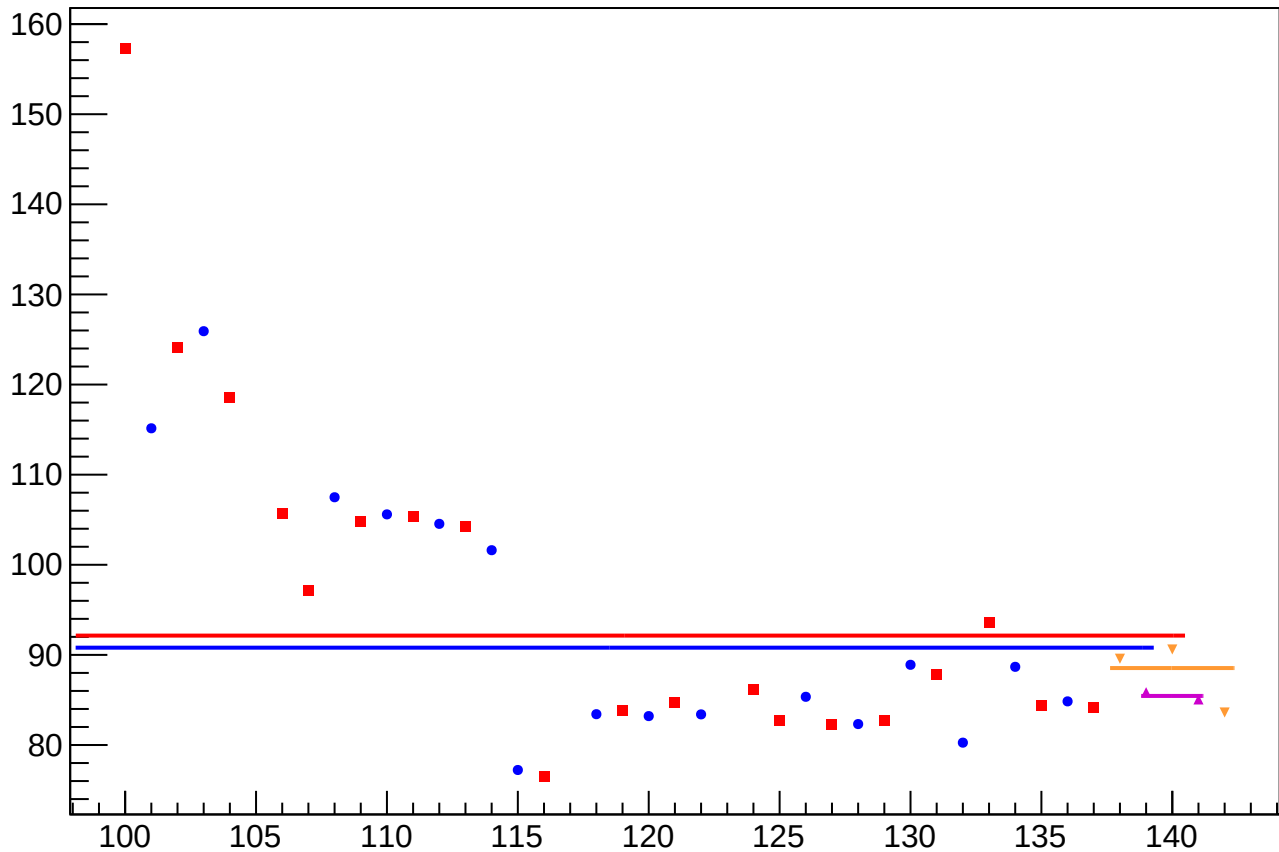
Left In: -25.965 $\pm$ 65.026 χ^2 /NDF:0.0/1

+ sign 137.498 $\pm$ 29.904 χ^2 /NDF: 16.7/18

All: 11.090 $\pm$ 21.276 χ^2 /NDF: 72.8/39

- sign -118.500 $\pm$ 30.278 χ^2 /NDF: 20.0/20

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802 $\pm$ 0.024 χ^2 /NDF: 272755.2/15

Left Out: 88.539 $\pm$ 0.044 χ^2 /NDF: 4140.6/2

Right Out: 92.141 $\pm$ 0.024 χ^2 /NDF: 302032.4/18

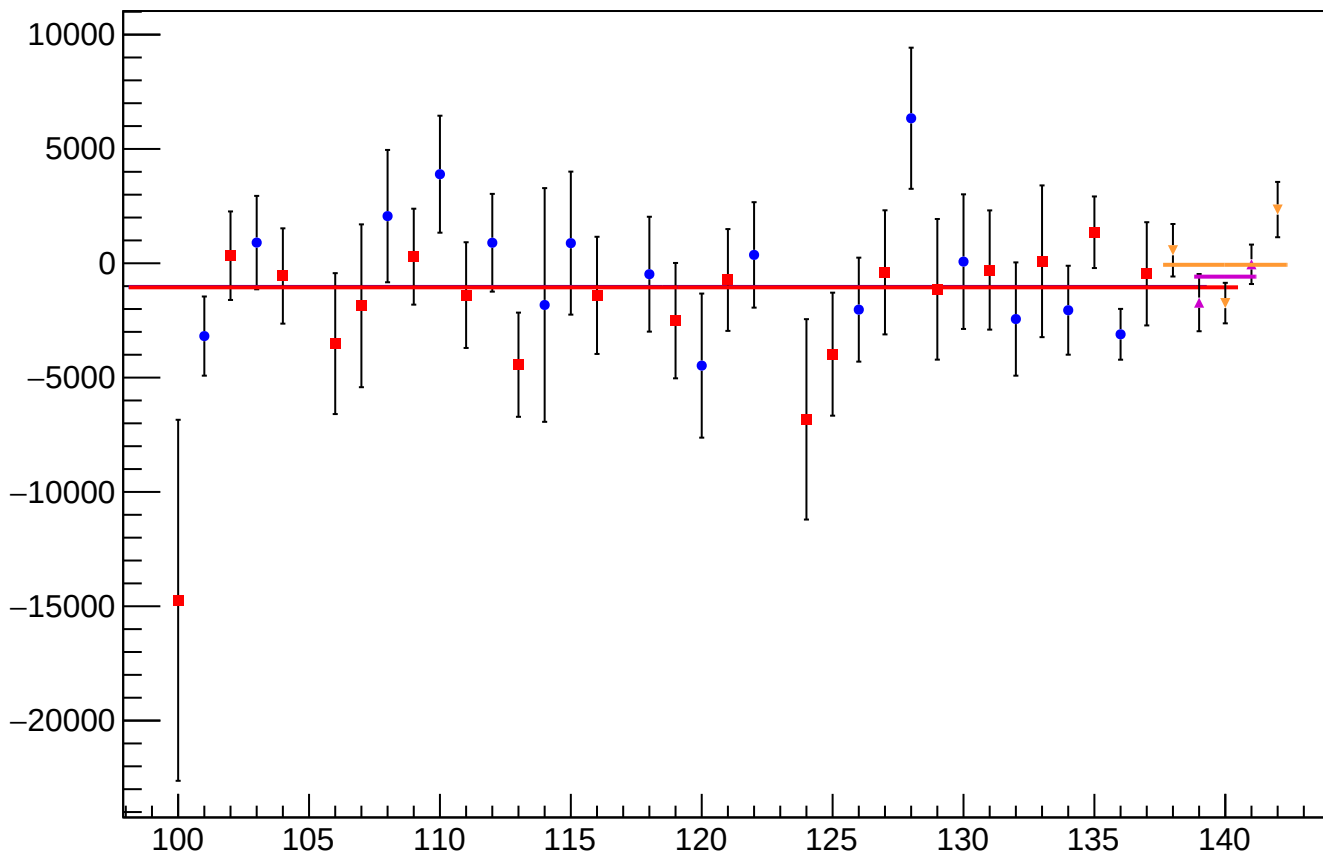
Left In: 85.446 $\pm$ 0.046 χ^2 /NDF: 76.0/1

+ sign 90.272 $\pm$ 0.021 χ^2 /NDF: 278948.5/18

All: 90.478 $\pm$ 0.015 χ^2 /NDF: 597857.1/39

- sign 90.690 $\pm$ 0.021 χ^2 /NDF: 318716.3/20

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: -66.718 $\pm$ 606.825 χ^2 /NDF: 7.9/2

Right Out: -1051.517 $\pm$ 568.935 χ^2 /NDF: 12.9/18

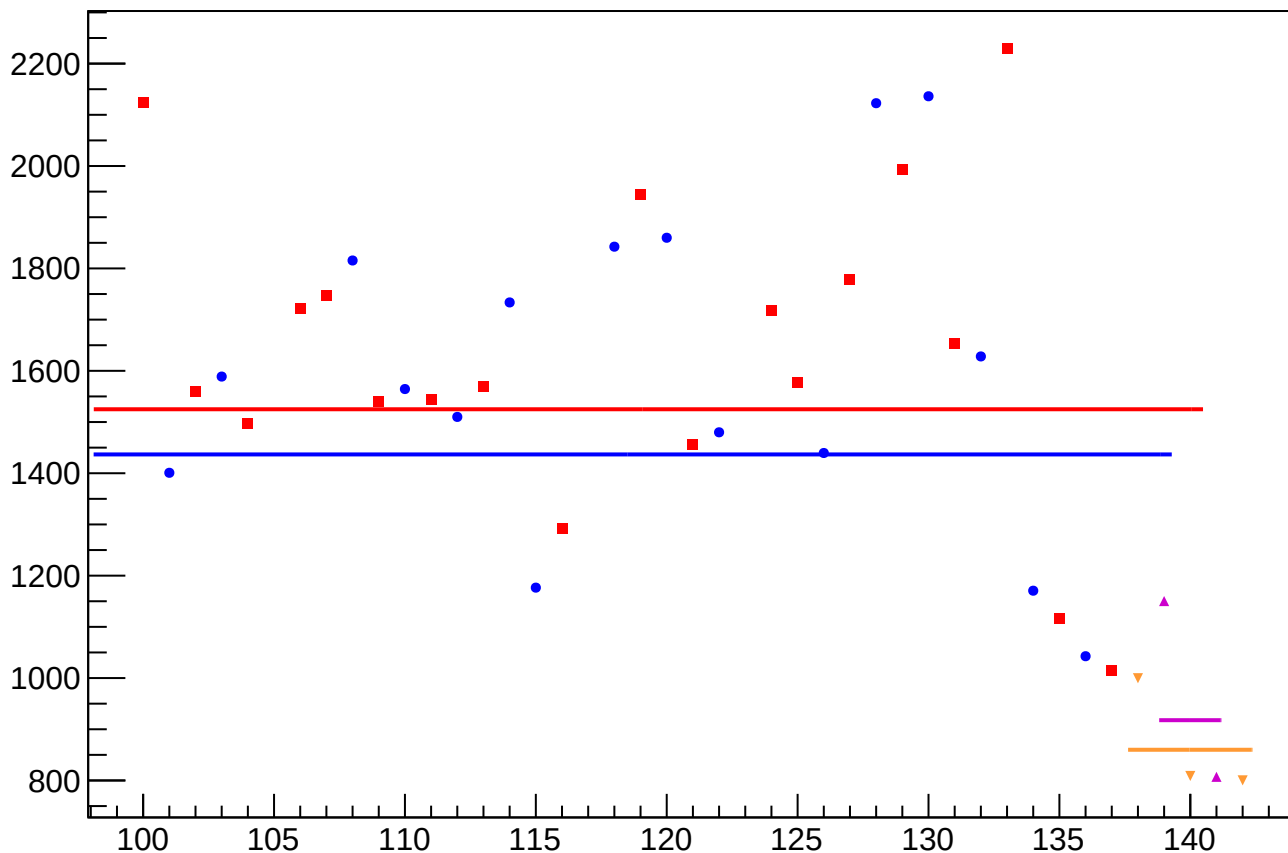
Left In: -585.051 $\pm$ 710.093 χ^2 /NDF: 1.2/1

+ sign -598.145 $\pm$ 407.605 χ^2 /NDF: 29.5/18

All: -722.085 $\pm$ 300.264 χ^2 /NDF: 44.1/39

- sign -869.145 $\pm$ 444.001 χ^2 /NDF: 14.4/20

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF : 675672.3/15

Left Out: 859.963+/-0.429 χ^2/NDF : 41159.9/2

Right Out: 1524.955+/-0.402 χ^2/NDF : 504563.9/18

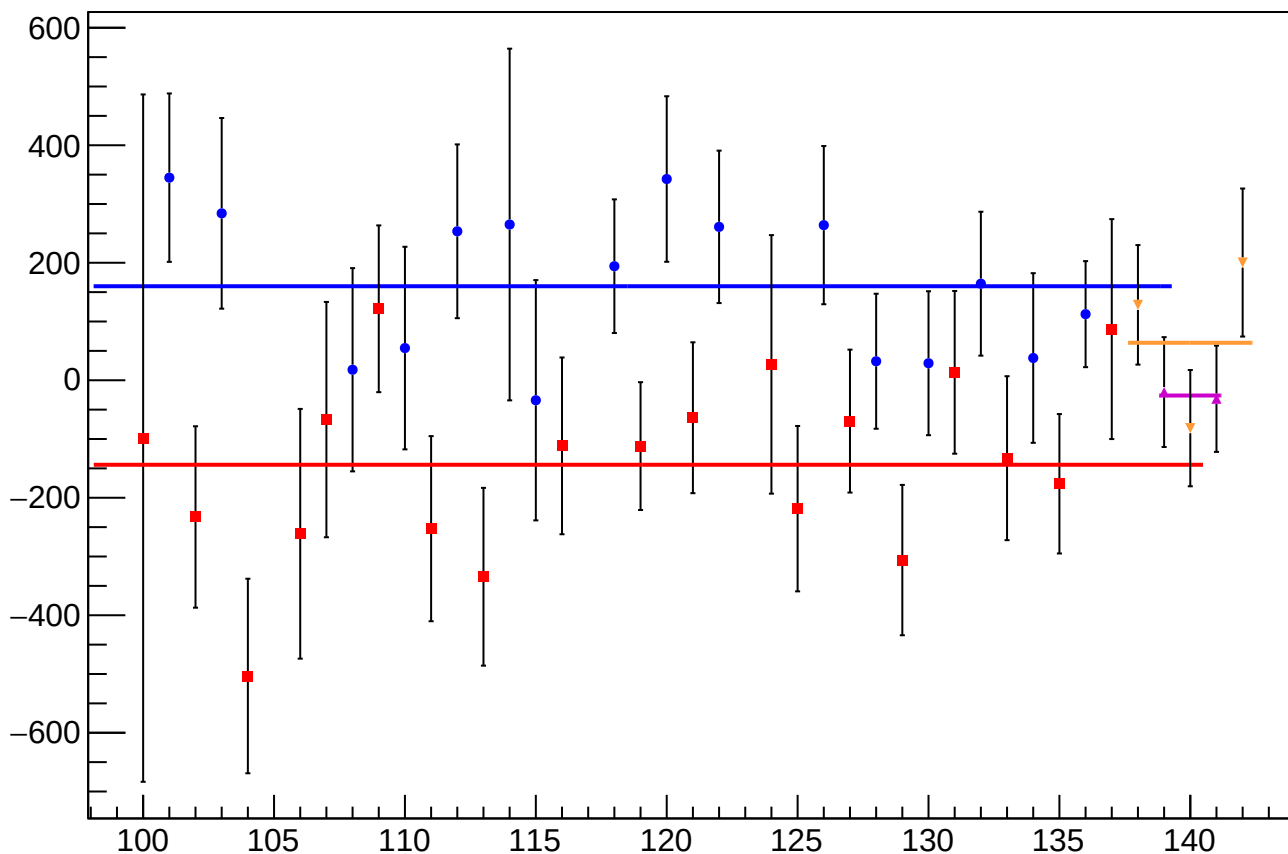
Left In: 917.725+/-0.502 χ^2/NDF : 102040.1/1

+ sign 1176.505+/-0.288 χ^2/NDF : 1708435.1/18

All: 1227.290+/-0.212 χ^2/NDF : 3273662.9/39

- sign 1287.550+/-0.314 χ^2/NDF : 1497340.2/20

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020 $\pm$ 34.170 χ^2/NDF : 11.1/15

Left Out: 63.810 $\pm$ 61.806 χ^2/NDF : 3.7/2

Right Out: -143.862 $\pm$ 34.216 χ^2/NDF : 17.3/18

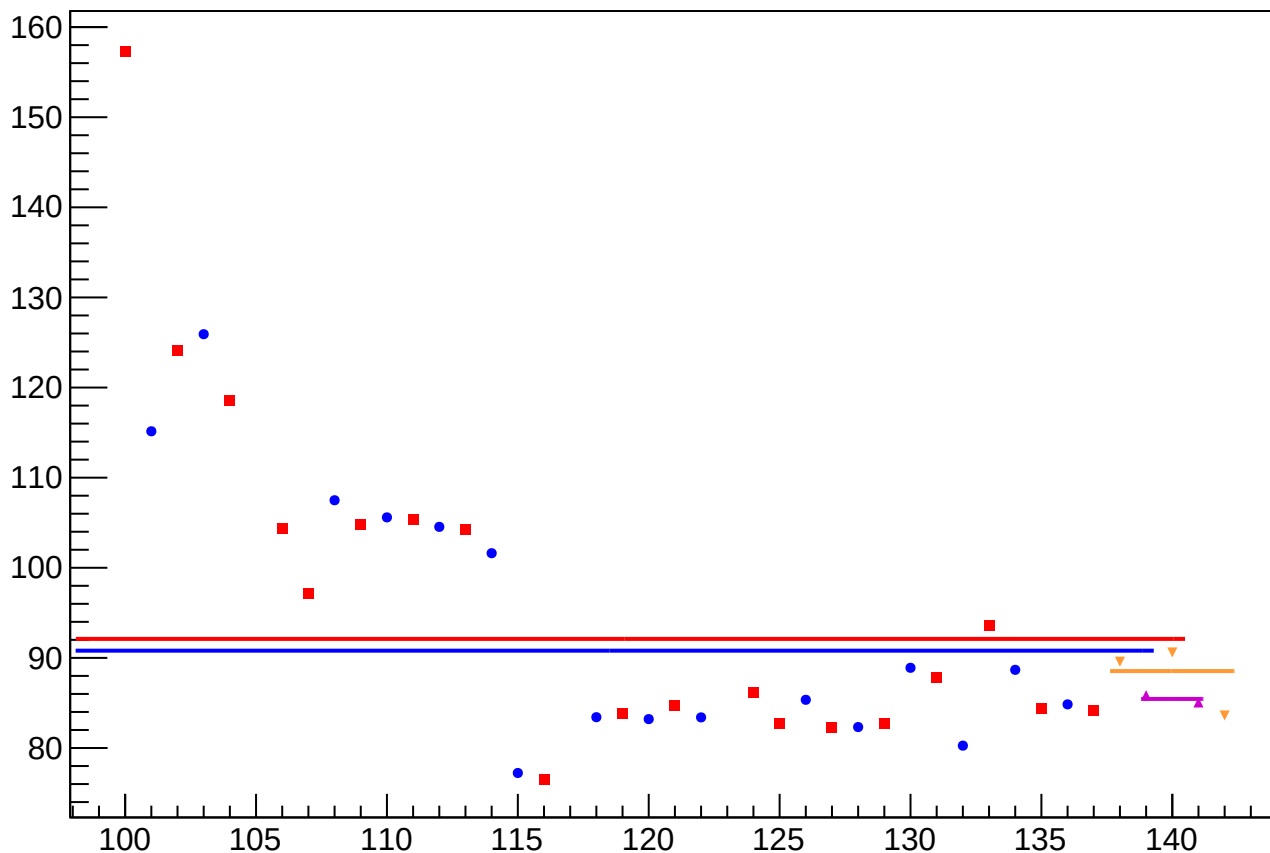
Left In: -25.978 $\pm$ 65.026 χ^2/NDF : 0.0/1

+ sign 137.498 $\pm$ 29.904 χ^2/NDF : 16.7/18

All: 11.195 $\pm$ 21.277 χ^2/NDF : 72.7/39

- sign -118.300 $\pm$ 30.280 χ^2/NDF : 19.9/20

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802 $\pm$ 0.024 χ^2 /NDF: 272757.0/15

Left Out: 88.539 $\pm$ 0.044 χ^2 /NDF: 4140.6/2

Right Out: 92.108 $\pm$ 0.024 χ^2 /NDF: 300768.0/18

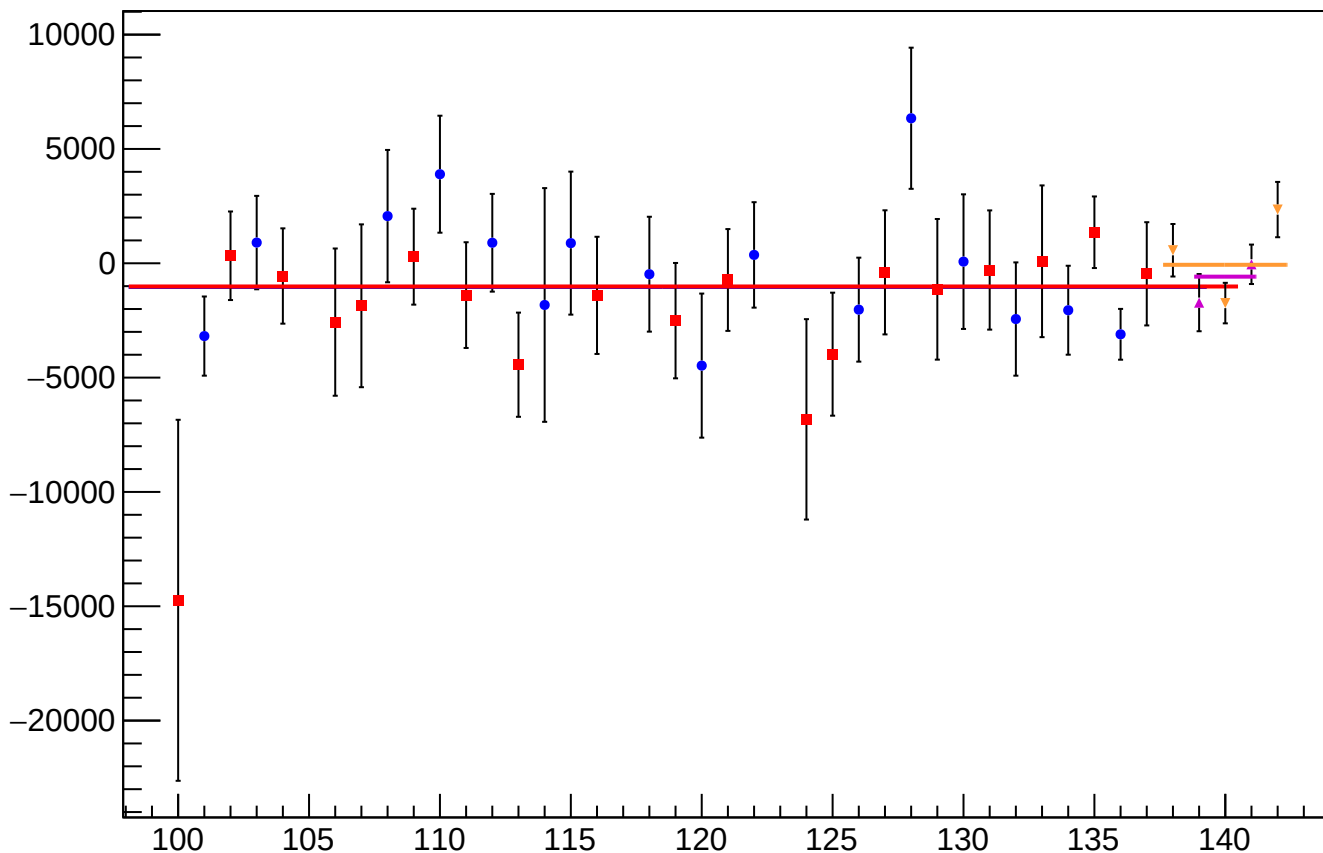
Left In: 85.446 $\pm$ 0.046 χ^2 /NDF: 76.0/1

+ sign 90.272 $\pm$ 0.021 χ^2 /NDF: 278950.3/18

All: 90.465 $\pm$ 0.015 χ^2 /NDF: 596407.1/39

- sign 90.663 $\pm$ 0.021 χ^2 /NDF: 317287.7/20

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1035.009+/-550.208 χ^2/NDF : 20.2/15

Left Out: -66.693+/-606.825 χ^2/NDF : 7.9/2

Right Out: -1015.387+/-569.773 χ^2/NDF : 12.5/18

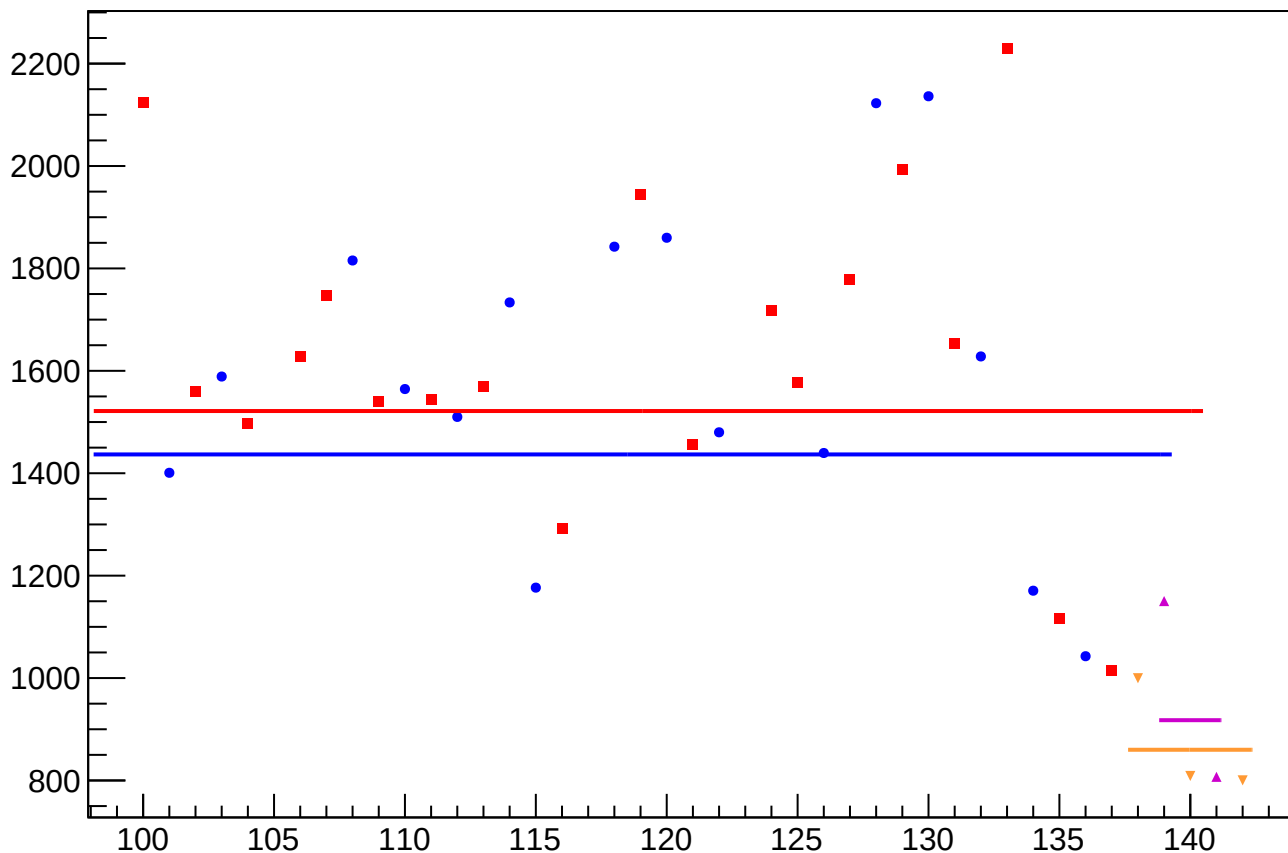
Left In: -585.073+/-710.093 χ^2/NDF : 1.2/1

+ sign -598.120+/-407.606 χ^2/NDF : 29.5/18

All: -711.763+/-300.387 χ^2/NDF : 43.6/39

- sign -846.848+/-444.399 χ^2/NDF : 13.9/20

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738 $\pm$ 0.389 χ^2 /NDF: 675680.8/15

Left Out: 859.962 $\pm$ 0.429 χ^2 /NDF: 41160.4/2

Right Out: 1521.496 $\pm$ 0.403 χ^2 /NDF: 498363.4/18

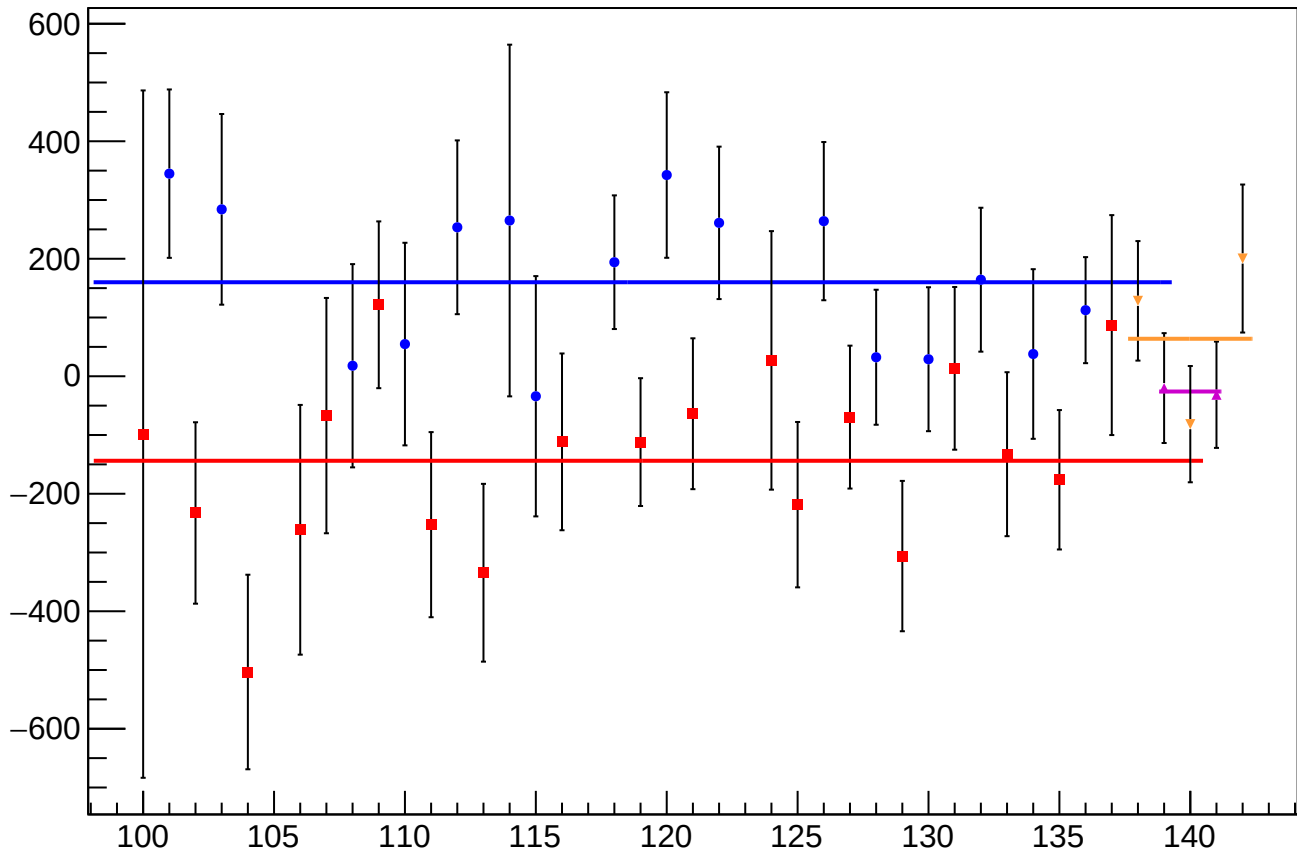
Left In: 917.725 $\pm$ 0.502 χ^2 /NDF: 102039.6/1

+ sign 1176.505 $\pm$ 0.288 χ^2 /NDF: 1708456.1/18

All: 1226.085 $\pm$ 0.212 χ^2 /NDF: 3253226.5/39

- sign 1285.020 $\pm$ 0.314 χ^2 /NDF: 1480004.9/20

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020 ± 34.170 χ^2/NDF : 11.1/15

Left Out: 63.810 ± 61.806 χ^2/NDF : 3.7/2

Right Out: -143.862 ± 34.216 χ^2/NDF : 17.3/18

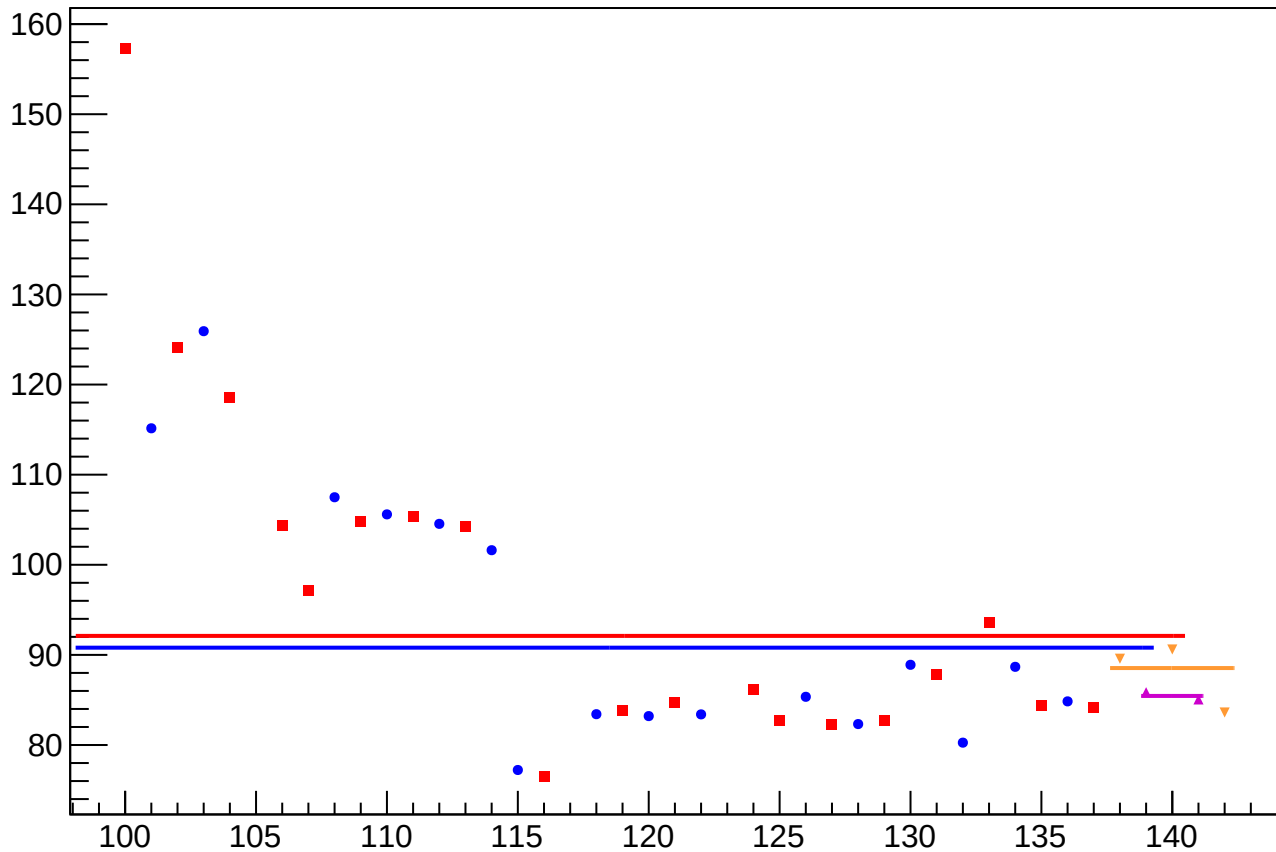
Left In: -25.978 ± 65.026 χ^2/NDF : 0.0/1

+ sign 137.498 ± 29.904 χ^2/NDF : 16.7/18

All: 11.195 ± 21.277 χ^2/NDF : 72.7/39

- sign -118.300 ± 30.280 χ^2/NDF : 19.9/20

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: 88.539 $\pm$ 0.044 χ^2/NDF : 4140.6/2

Right Out: 92.108 $\pm$ 0.024 χ^2/NDF : 300768.0/18

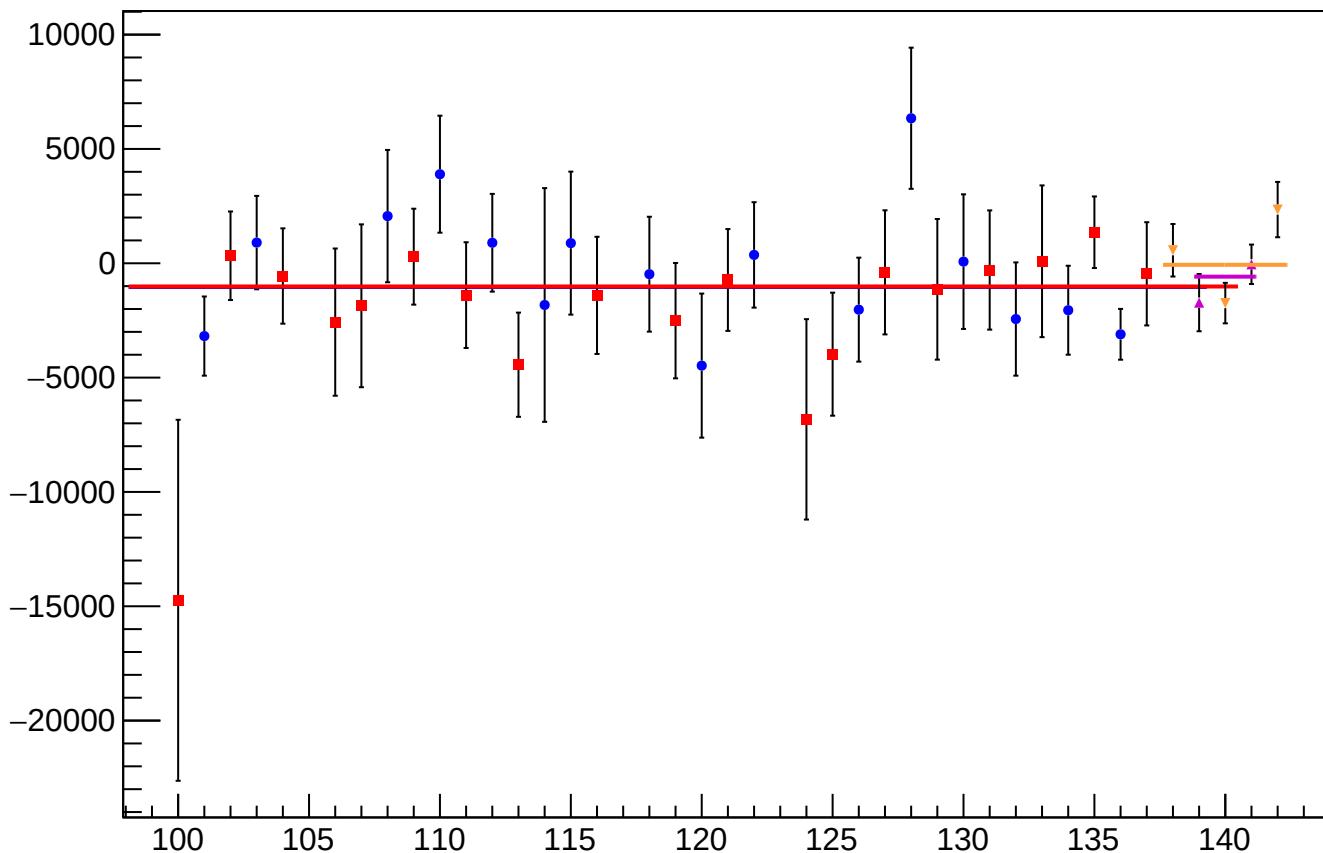
Left In: 85.446 $\pm$ 0.046 χ^2/NDF : 76.0/1

+ sign 90.272 $\pm$ 0.021 χ^2/NDF : 278950.3/18

All: 90.465 $\pm$ 0.015 χ^2/NDF : 596407.1/39

- sign 90.663 $\pm$ 0.021 χ^2/NDF : 317287.7/20

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: -66.693+/-606.825 χ^2/NDF : 7.9/2

Right Out: -1015.387+/-569.773 χ^2/NDF : 12.5/18

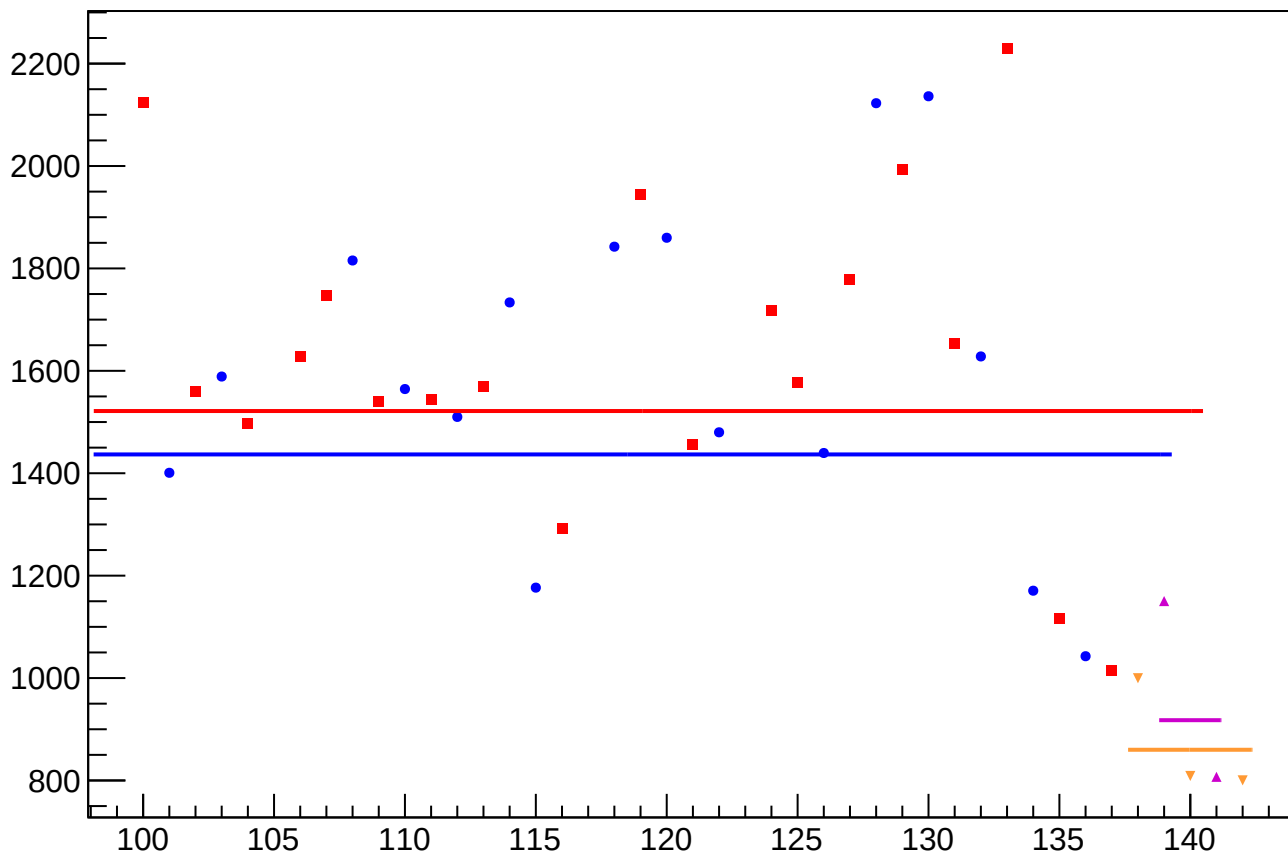
Left In: -585.073+/-710.093 χ^2/NDF : 1.2/1

+ sign -598.120+/-407.606 χ^2/NDF : 29.5/18

All: -711.763+/-300.387 χ^2/NDF : 43.6/39

- sign -846.848+/-444.399 χ^2/NDF : 13.9/20

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2 /NDF: 675680.8/15

Left Out: 859.962+/-0.429 χ^2 /NDF: 41160.4/2

Right Out: 1521.496+/-0.403 χ^2 /NDF: 498363.4/18

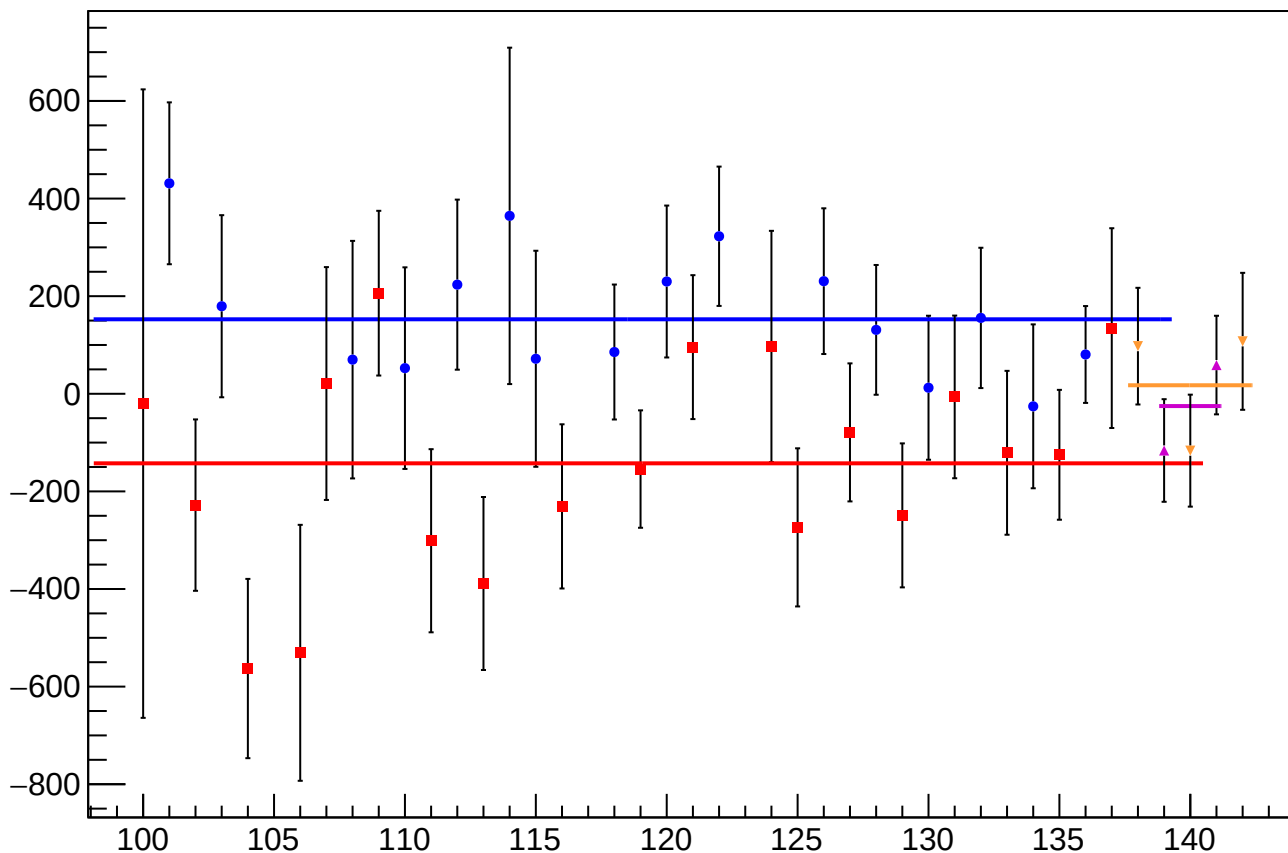
Left In: 917.725+/-0.502 χ^2 /NDF: 102039.6/1

+ sign 1176.505+/-0.288 χ^2 /NDF: 1708456.1/18

All: 1226.085+/-0.212 χ^2 /NDF: 3253226.5/39

- sign 1285.020+/-0.314 χ^2 /NDF: 1480004.9/20

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626 ± 39.446 χ^2/NDF : 8.6/15

Left Out: 17.470 ± 71.289 χ^2/NDF : 2.2/2

Right Out: -142.496 ± 39.340 χ^2/NDF : 22.9/18

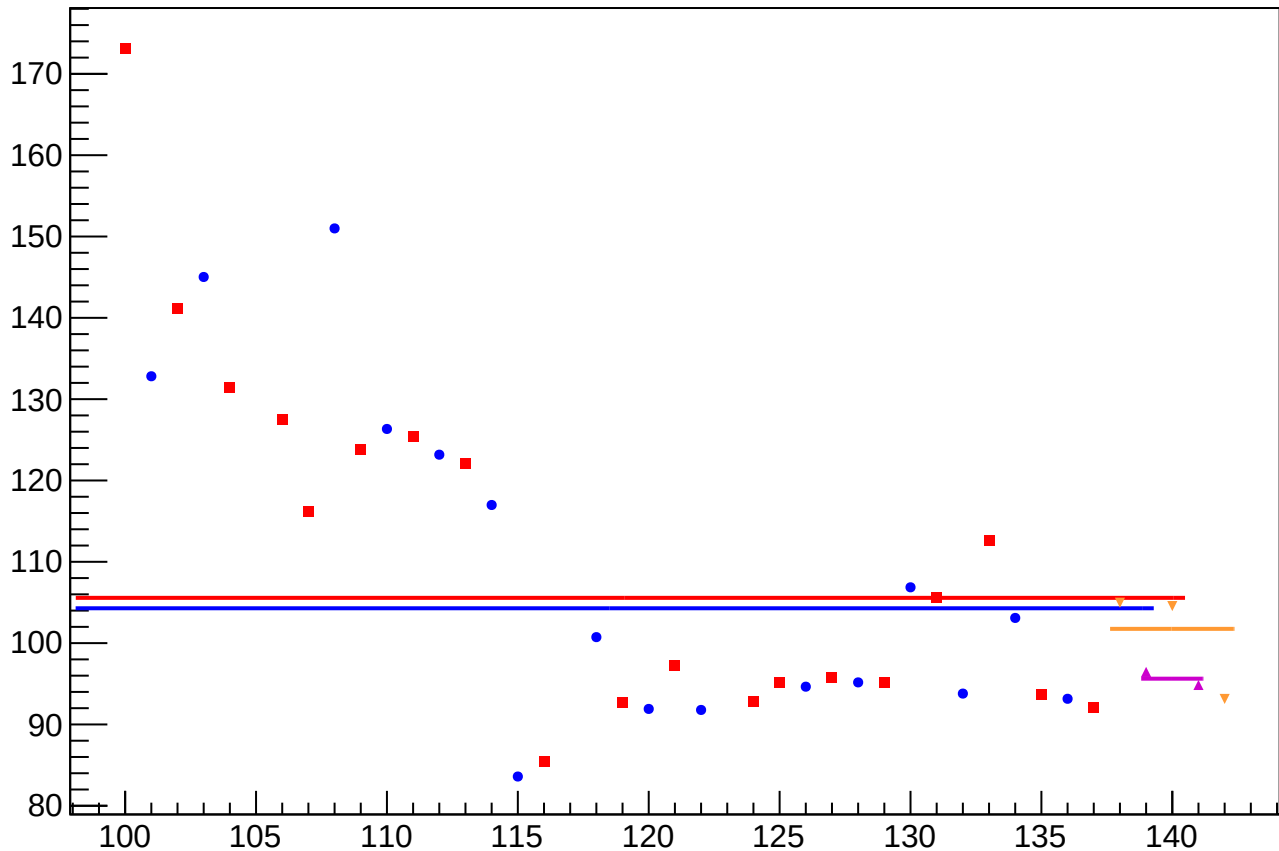
Left In: -25.168 ± 72.837 χ^2/NDF : 1.4/1

+ sign 120.945 ± 34.515 χ^2/NDF : 13.6/18

All: 2.813 ± 24.441 χ^2/NDF : 63.5/39

- sign -115.999 ± 34.614 χ^2/NDF : 26.4/20

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286 $\pm$ 0.028 χ^2 /NDF: 378310.9/15

Left Out: 101.755 $\pm$ 0.050 χ^2 /NDF:10184.9/2

Right Out: 105.568 $\pm$ 0.028 χ^2 /NDF: 344605.9/18

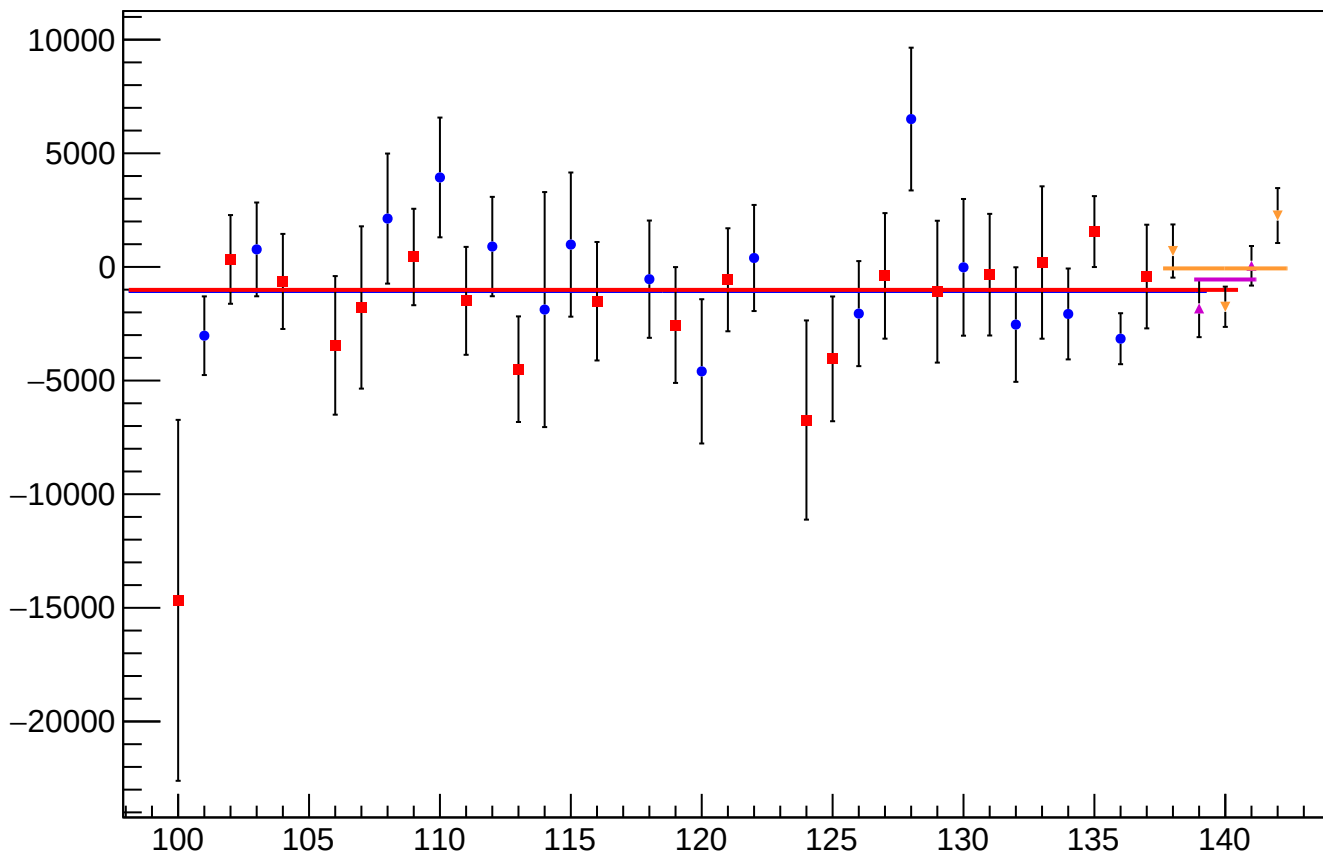
Left In: 95.628 $\pm$ 0.052 χ^2 /NDF:242.8/1

+ sign 103.693 $\pm$ 0.024 χ^2 /NDF: 390425.7/18

All: 103.509 $\pm$ 0.017 χ^2 /NDF: 764224.8/39

- sign 103.323 $\pm$ 0.024 χ^2 /NDF: 373684.7/20

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357 ± 557.645 χ^2/NDF : 20.0/15

Left Out: -65.050 ± 609.849 χ^2/NDF : 7.8/2

Right Out: -1009.907 ± 575.100 χ^2/NDF : 13.3/18

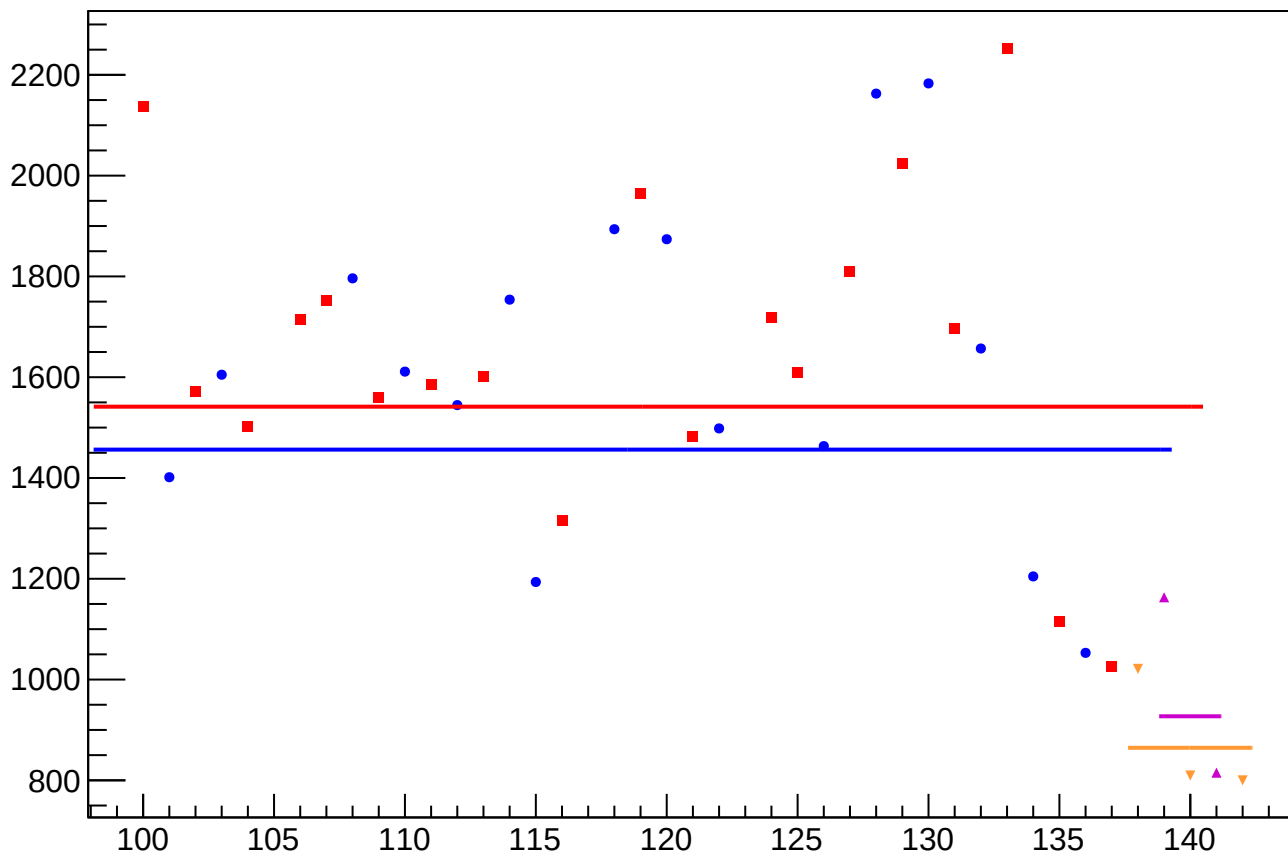
Left In: -552.605 ± 717.172 χ^2/NDF : 1.5/1

+ sign -606.575 ± 411.535 χ^2/NDF : 29.2/18

All: -709.088 ± 303.277 χ^2/NDF : 44.4/39

- sign -830.931 ± 448.662 χ^2/NDF : 15.0/20

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303 $\pm$ 0.394 χ^2 /NDF: 684806.5/15

Left Out: 864.596 $\pm$ 0.431 χ^2 /NDF: 49248.9/2

+ sign 1186.855 $\pm$ 0.291 χ^2 /NDF: 1759465.3/18

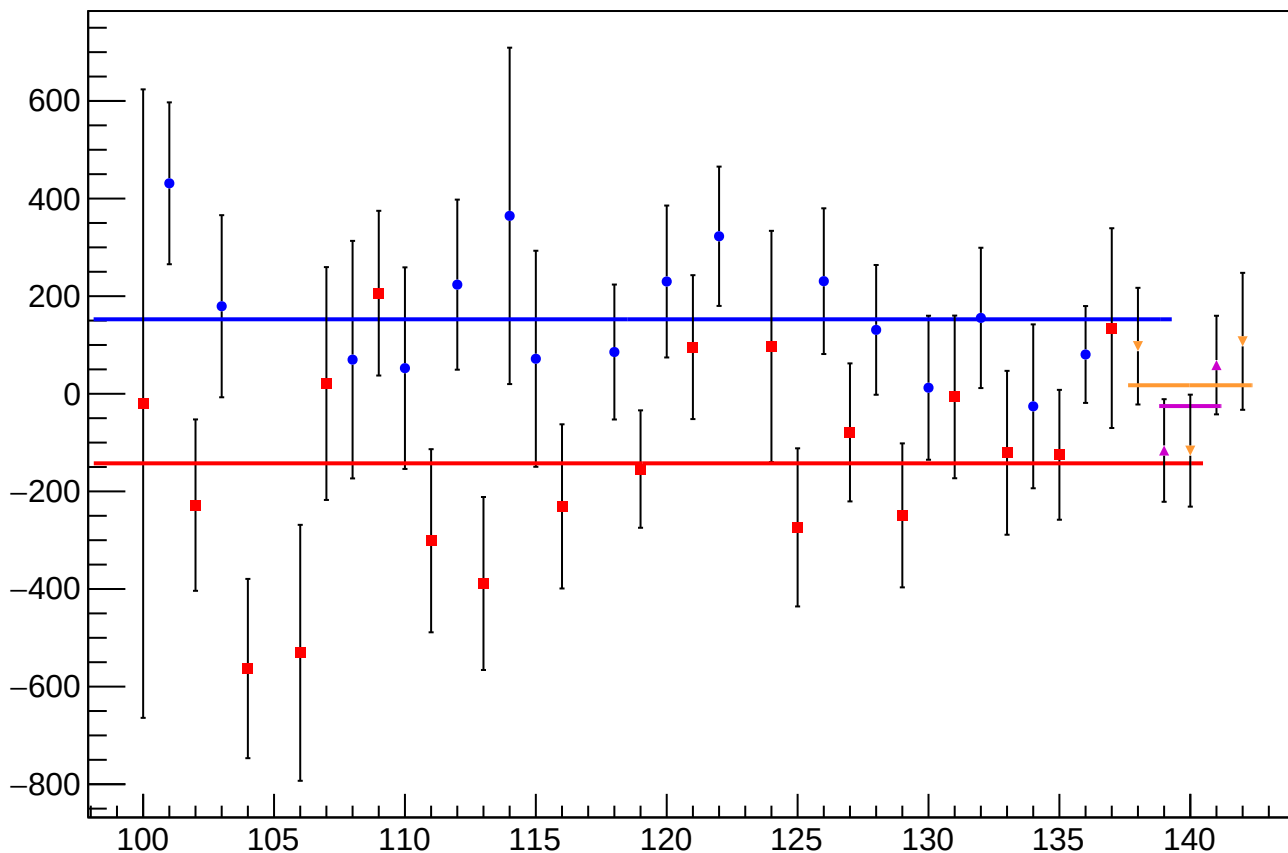
Right Out: 1541.522 $\pm$ 0.407 χ^2 /NDF: 519336.6/18

All: 1239.034 $\pm$ 0.214 χ^2 /NDF: 3345356.5/39

- sign 1301.052 $\pm$ 0.317 χ^2 /NDF: 1515524.1/20

Left In: 927.095 $\pm$ 0.507 χ^2 /NDF: 102727.5/1

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628 ± 39.446 χ^2/NDF : 8.6/15

Left Out: 17.469 ± 71.289 χ^2/NDF : 2.2/2

Right Out: -142.494 ± 39.340 χ^2/NDF : 22.9/18

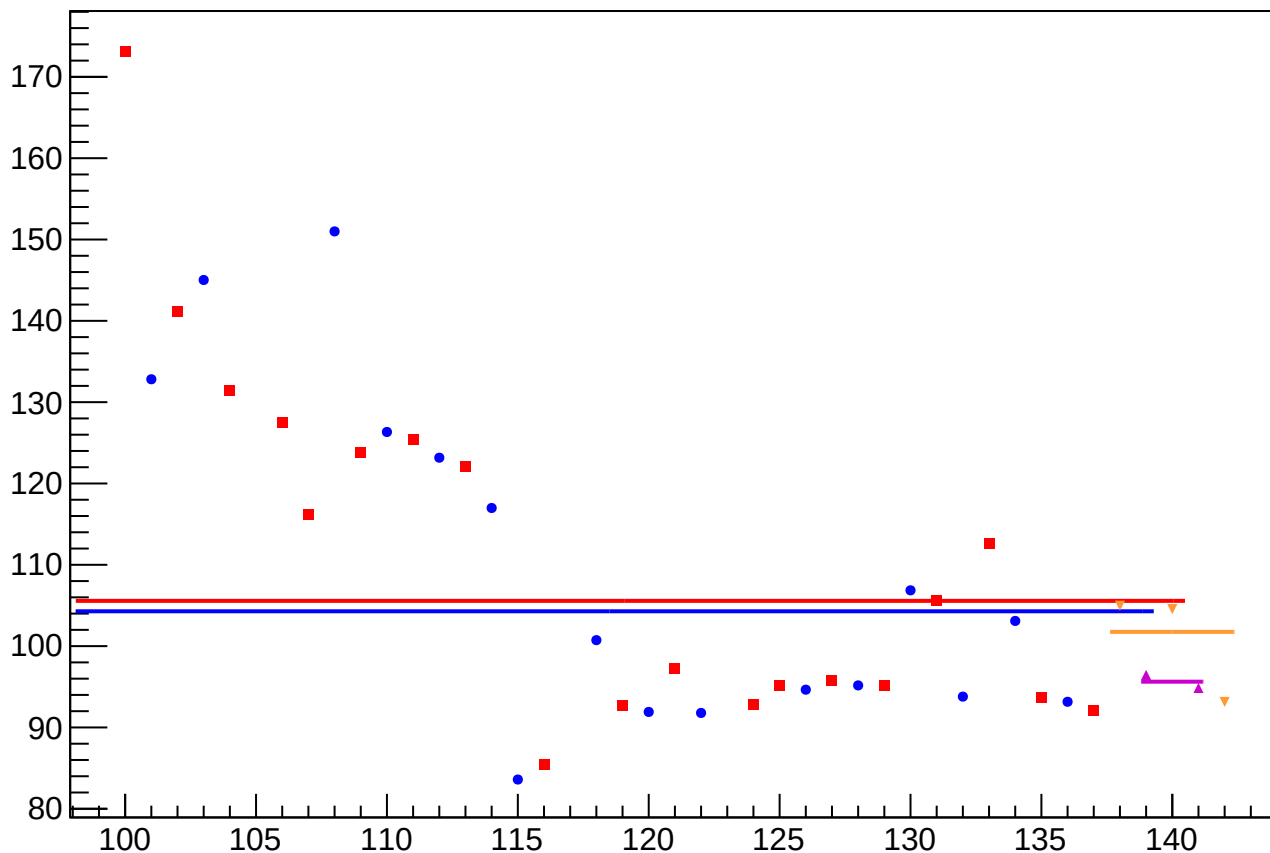
Left In: -25.168 ± 72.836 χ^2/NDF : 1.4/1

+ sign 120.947 ± 34.515 χ^2/NDF : 13.6/18

All: 2.815 ± 24.441 χ^2/NDF : 63.5/39

- sign -115.997 ± 34.614 χ^2/NDF : 26.4/20

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF : 378313.2/15

Left Out: 101.755+/-0.050 χ^2/NDF :10184.3/2

Right Out: 105.567+/-0.028 χ^2/NDF : 344605.1/18

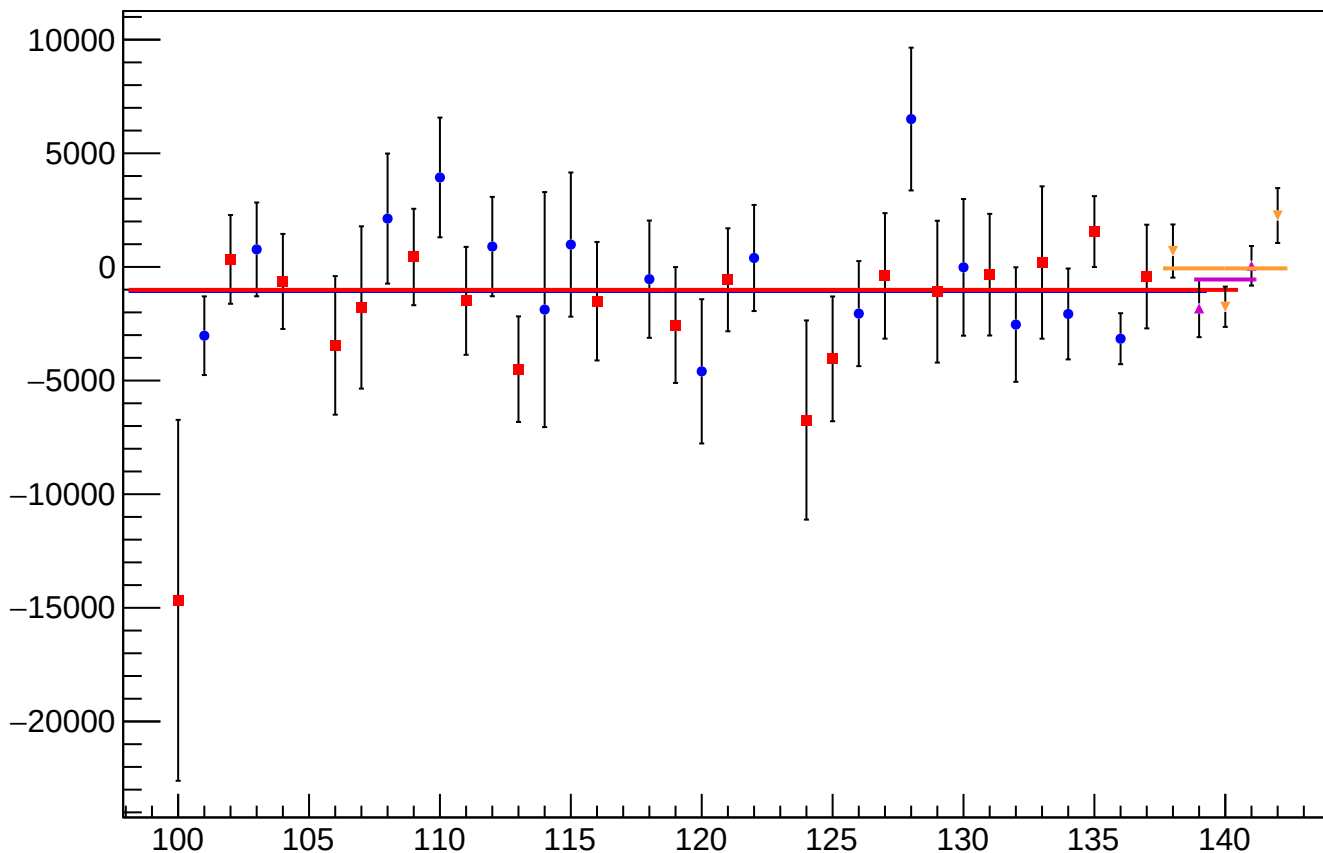
Left In: 95.628+/-0.052 χ^2/NDF :242.7/1

+ sign 103.692+/-0.024 χ^2/NDF : 390426.2/18

All: 103.508+/-0.017 χ^2/NDF : 764221.2/39

- sign 103.323+/-0.024 χ^2/NDF : 373680.8/20

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: -65.053+/-609.849 χ^2/NDF : 7.8/2

Right Out: -1009.907+/-575.099 χ^2/NDF : 13.3/18

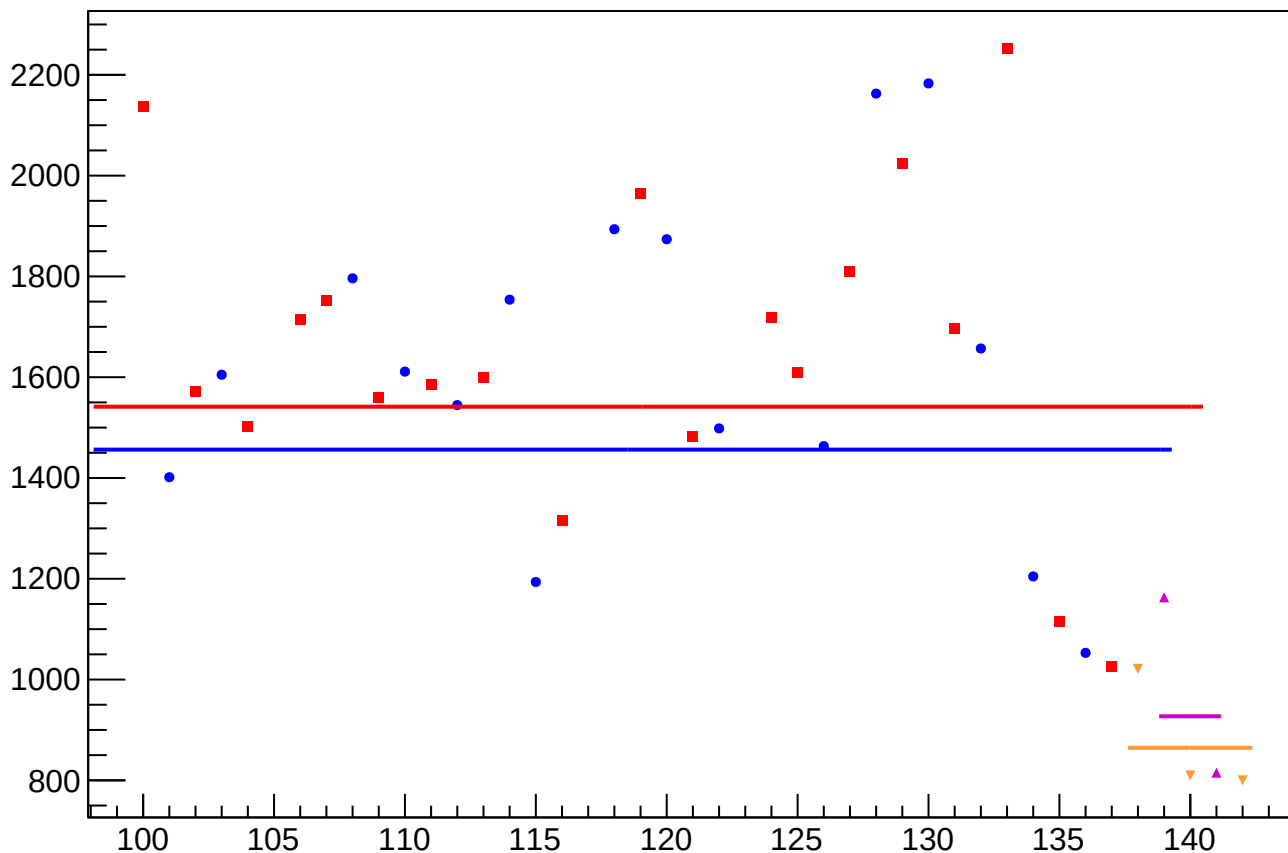
Left In: -552.606+/-717.171 χ^2/NDF : 1.5/1

+ sign -606.575+/-411.534 χ^2/NDF : 29.2/18

All: -709.088+/-303.276 χ^2/NDF : 44.4/39

- sign -830.932+/-448.661 χ^2/NDF : 15.0/20

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: 864.595+/-0.431 χ^2 /NDF: 49247.4/2

Right Out: 1541.520+/-0.407 χ^2 /NDF: 519336.6/18

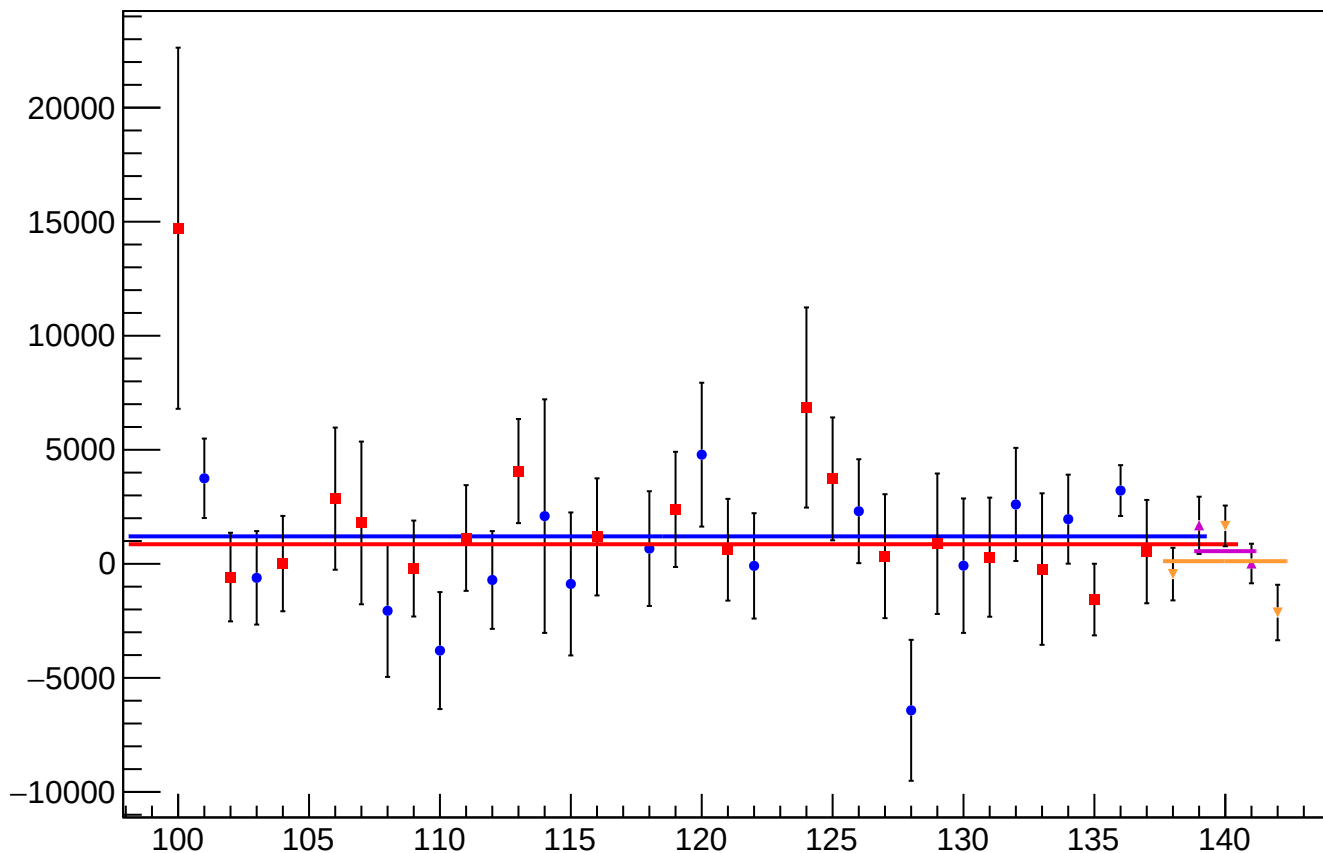
Left In: 927.094+/-0.507 χ^2 /NDF: 102726.9/1

+ sign 1186.853+/-0.291 χ^2 /NDF: 1759458.2/18

All: 1239.032+/-0.214 χ^2 /NDF: 3345347.3/39

- sign 1301.050+/-0.317 χ^2 /NDF: 1515522.7/20

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF : 21.1/15

Left Out: 116.389+/-610.226 χ^2/NDF : 6.7/2

Right Out: 859.290+/-570.391 χ^2/NDF : 12.5/18

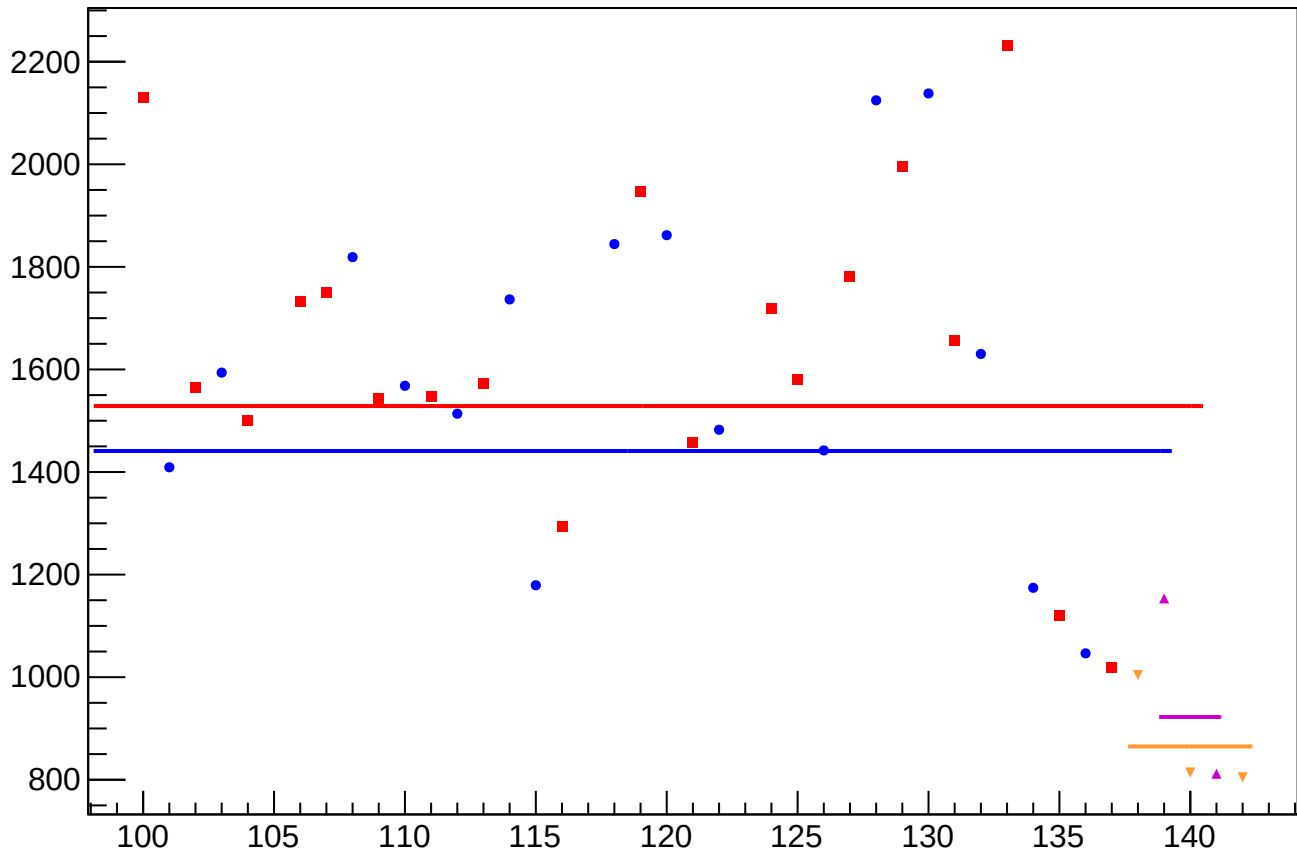
Left In: 556.120+/-713.478 χ^2/NDF : 1.2/1

+ sign 715.191+/-409.253 χ^2/NDF : 29.6/18

All: 727.039+/-301.393 χ^2/NDF : 43.4/39

- sign 741.079+/-445.520 χ^2/NDF : 13.8/20

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025 $\pm$ 0.390 χ^2/NDF : 670674.6/15

Left Out: 864.957 $\pm$ 0.431 χ^2/NDF : 40517.0/2

Right Out: 1528.652 $\pm$ 0.403 χ^2/NDF : 501717.6/18

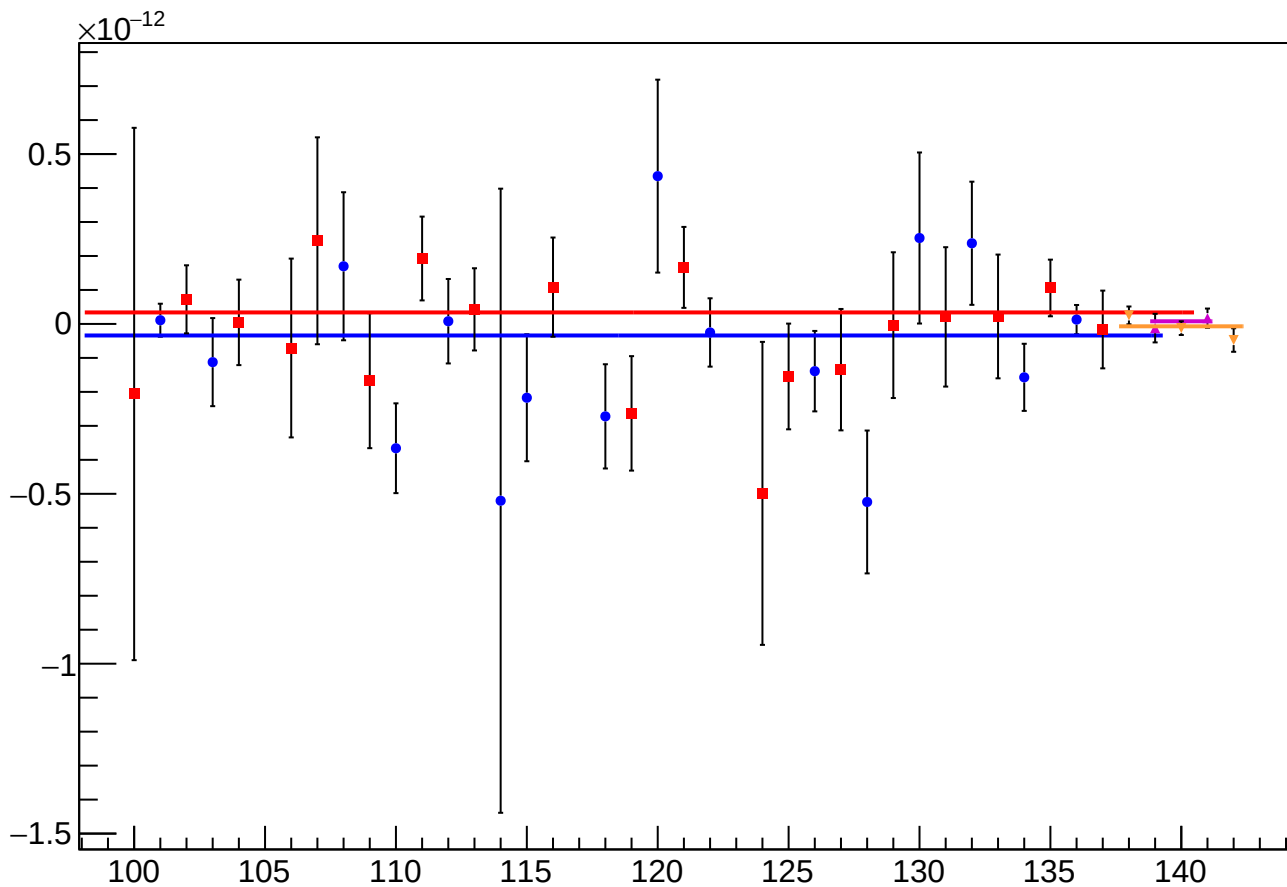
Left In: 922.367 $\pm$ 0.505 χ^2/NDF : 100451.5/1

+ sign 1181.919 $\pm$ 0.289 χ^2/NDF : 1691877.0/18

All: 1232.412 $\pm$ 0.213 χ^2/NDF : 3241638.7/39

- sign 1292.251 $\pm$ 0.315 χ^2/NDF : 1483237.4/20

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 2.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/18

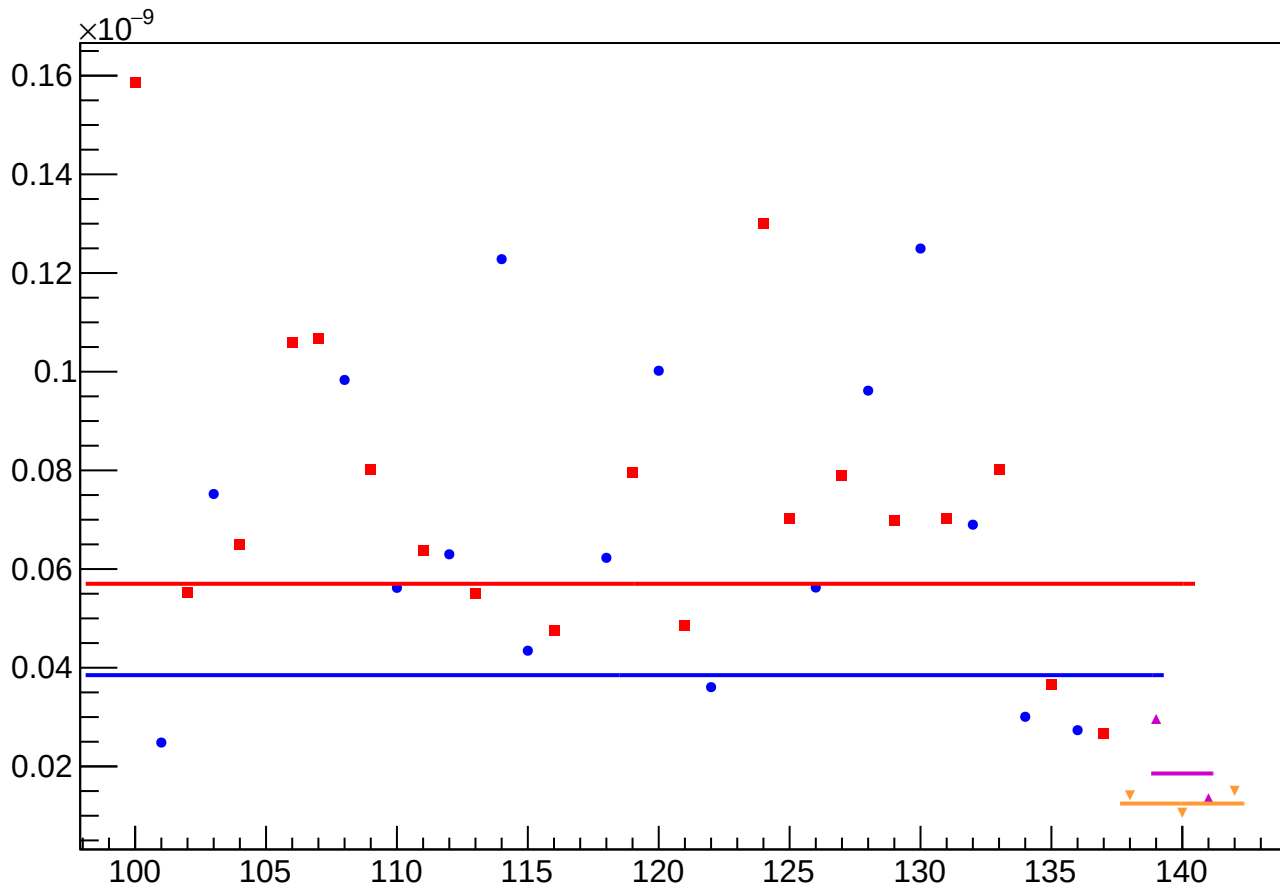
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.3/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.2/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 46.6/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.7/20

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 : 36218.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 660994.1/18

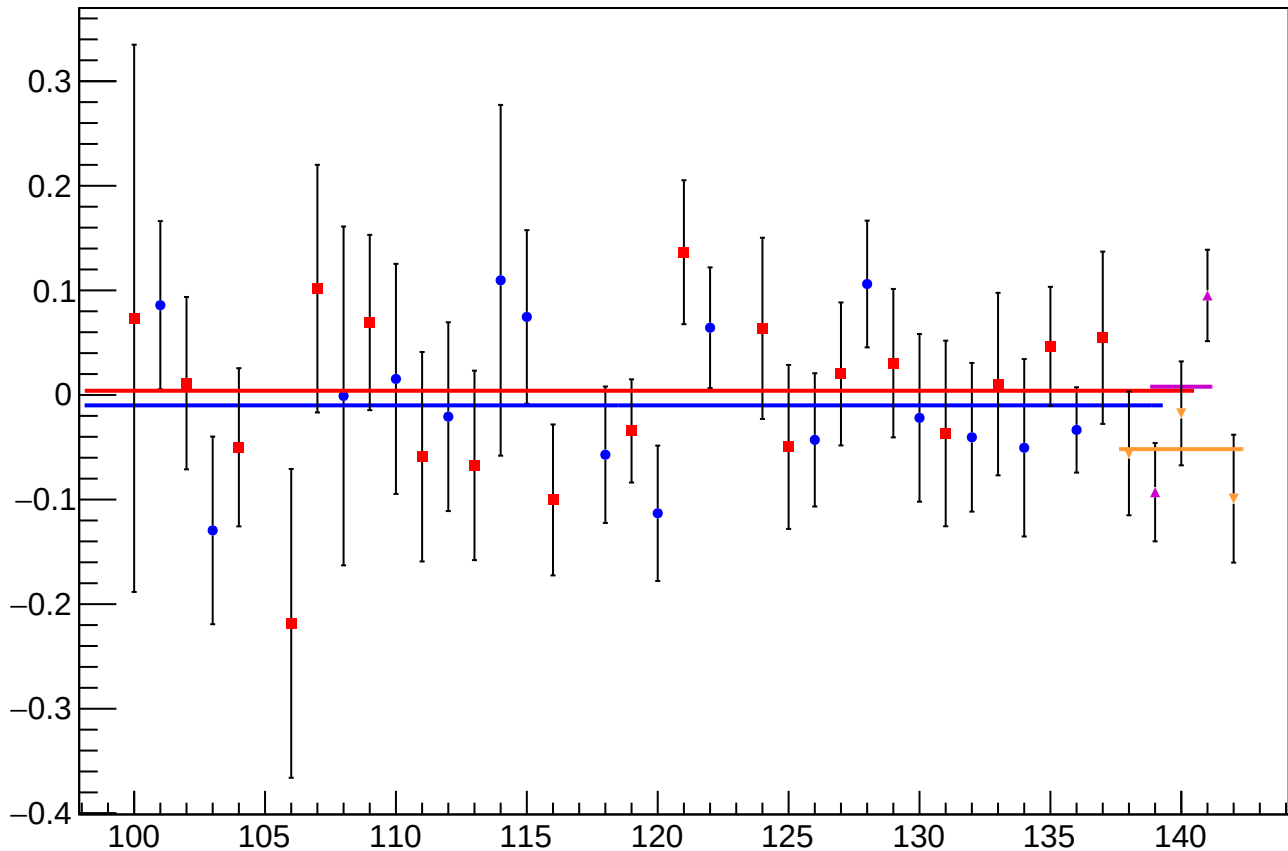
Left In: 0.000+/-0.000 χ^2/NDF : 201382.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 3034830.9/18

All: 0.000+/-0.000 χ^2/NDF : 6194002.8/39

- sign 0.000+/-0.000 χ^2/NDF : 2608889.6/20

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: -0.052 ± 0.032 χ^2/NDF : 1.1/2

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

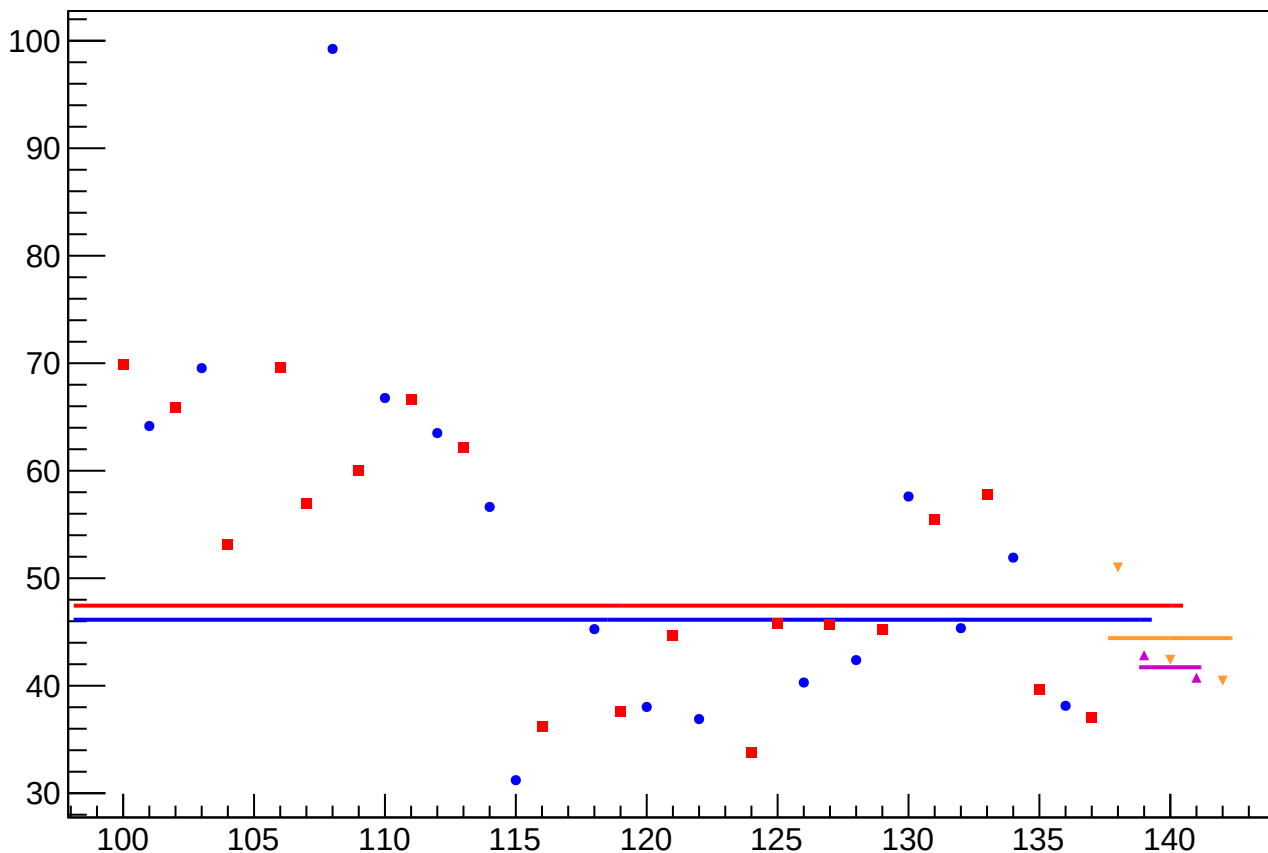
Left In: 0.008 ± 0.032 χ^2/NDF : 8.6/1

+ sign -0.020 ± 0.016 χ^2/NDF : 16.6/18

All: -0.007 ± 0.011 χ^2/NDF : 40.3/39

- sign 0.005 ± 0.016 χ^2/NDF : 22.5/20

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: 44.429 $\pm$ 0.023 χ^2 /NDF: 36393.3/2

Right Out: 47.450 $\pm$ 0.013 χ^2 /NDF: 654693.6/18

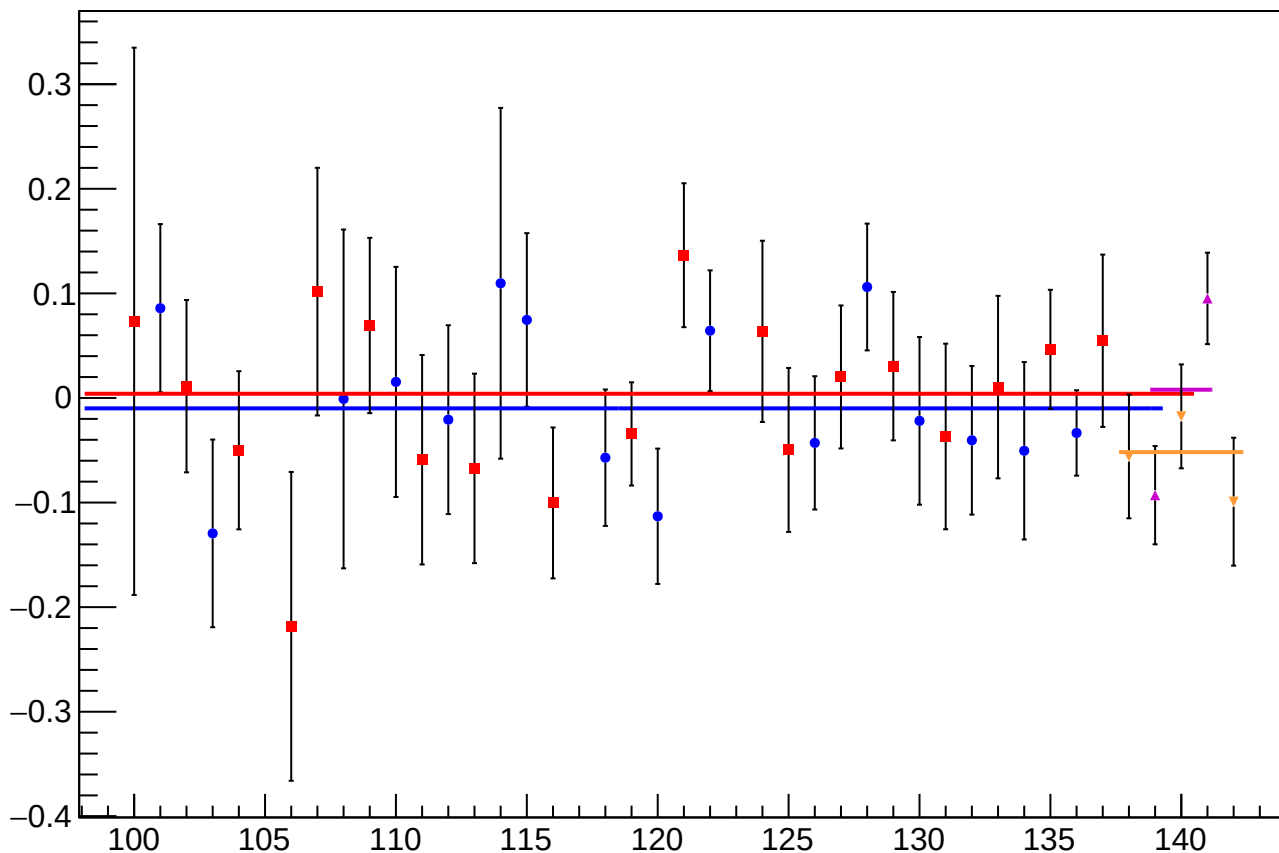
Left In: 41.718 $\pm$ 0.023 χ^2 /NDF: 2124.6/1

+ sign 45.736 $\pm$ 0.011 χ^2 /NDF: 943966.1/18

All: 45.898 $\pm$ 0.008 χ^2 /NDF: 1649826.4/39

- sign 46.061 $\pm$ 0.011 χ^2 /NDF: 705431.6/20

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 ± 0.018 χ^2/NDF : 14.2/15

Left Out: -0.052 ± 0.032 χ^2/NDF : 1.1/2

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

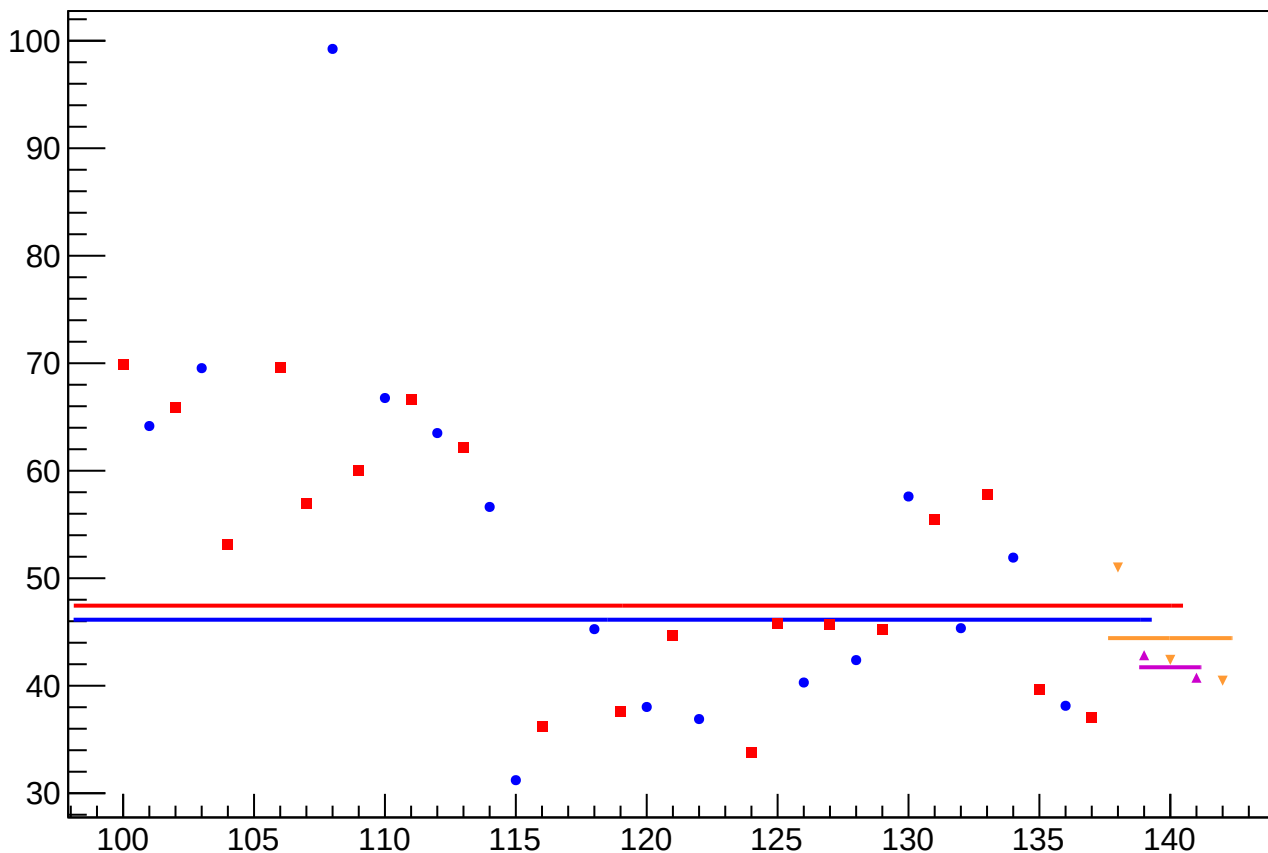
Left In: 0.008 ± 0.032 χ^2/NDF : 8.6/1

+ sign -0.020 ± 0.016 χ^2/NDF : 16.6/18

All: -0.007 ± 0.011 χ^2/NDF : 40.3/39

- sign 0.005 ± 0.016 χ^2/NDF : 22.5/20

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: 44.429 $\pm$ 0.023 χ^2 /NDF: 36393.3/2

Right Out: 47.450 $\pm$ 0.013 χ^2 /NDF: 654693.6/18

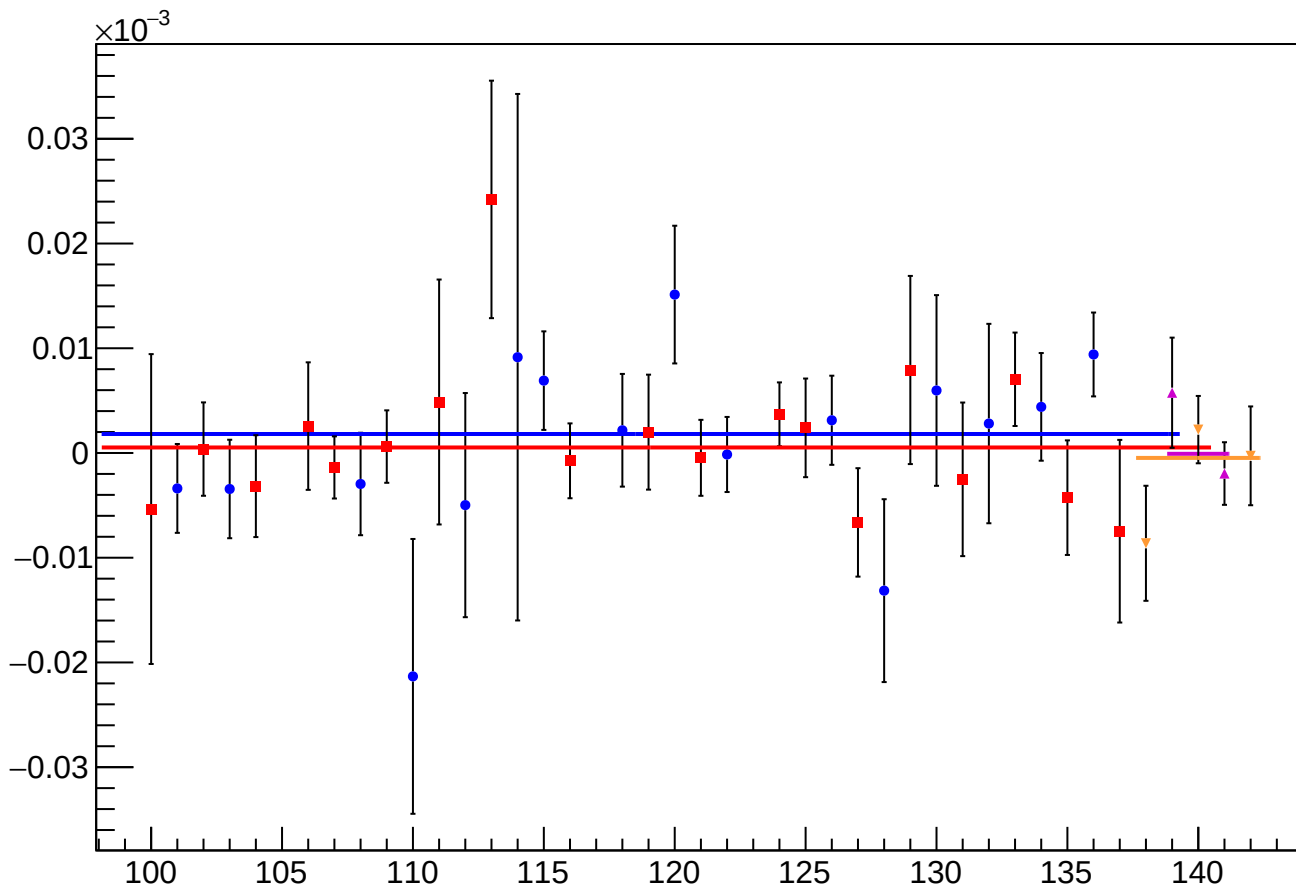
Left In: 41.718 $\pm$ 0.023 χ^2 /NDF: 2124.6/1

+ sign 45.736 $\pm$ 0.011 χ^2 /NDF: 943966.1/18

All: 45.898 $\pm$ 0.008 χ^2 /NDF: 1649826.4/39

- sign 46.061 $\pm$ 0.011 χ^2 /NDF: 705431.6/20

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: 2.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/18

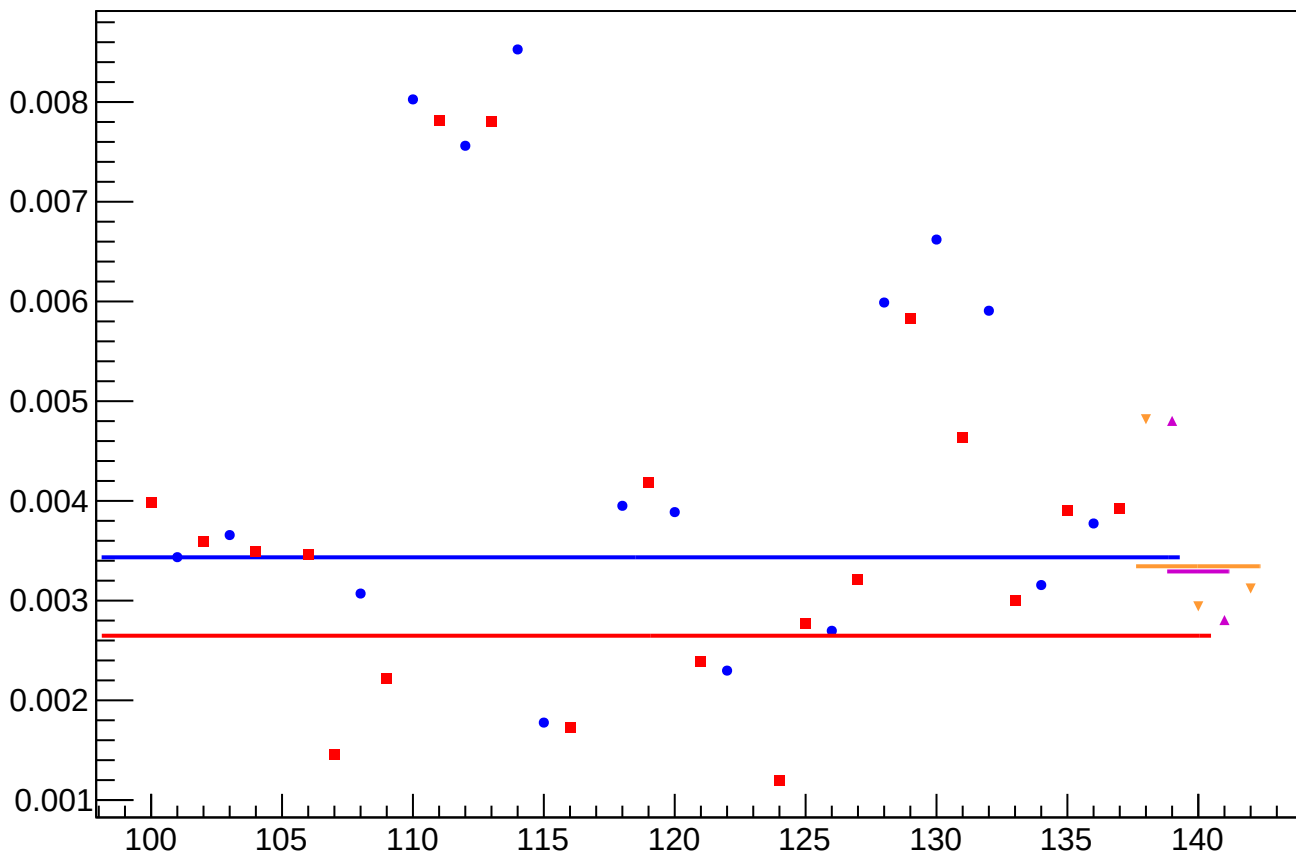
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.3/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.4/20

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF : 179791.8/2

Right Out: 0.003+/-0.000 χ^2/NDF : 2696872.6/18

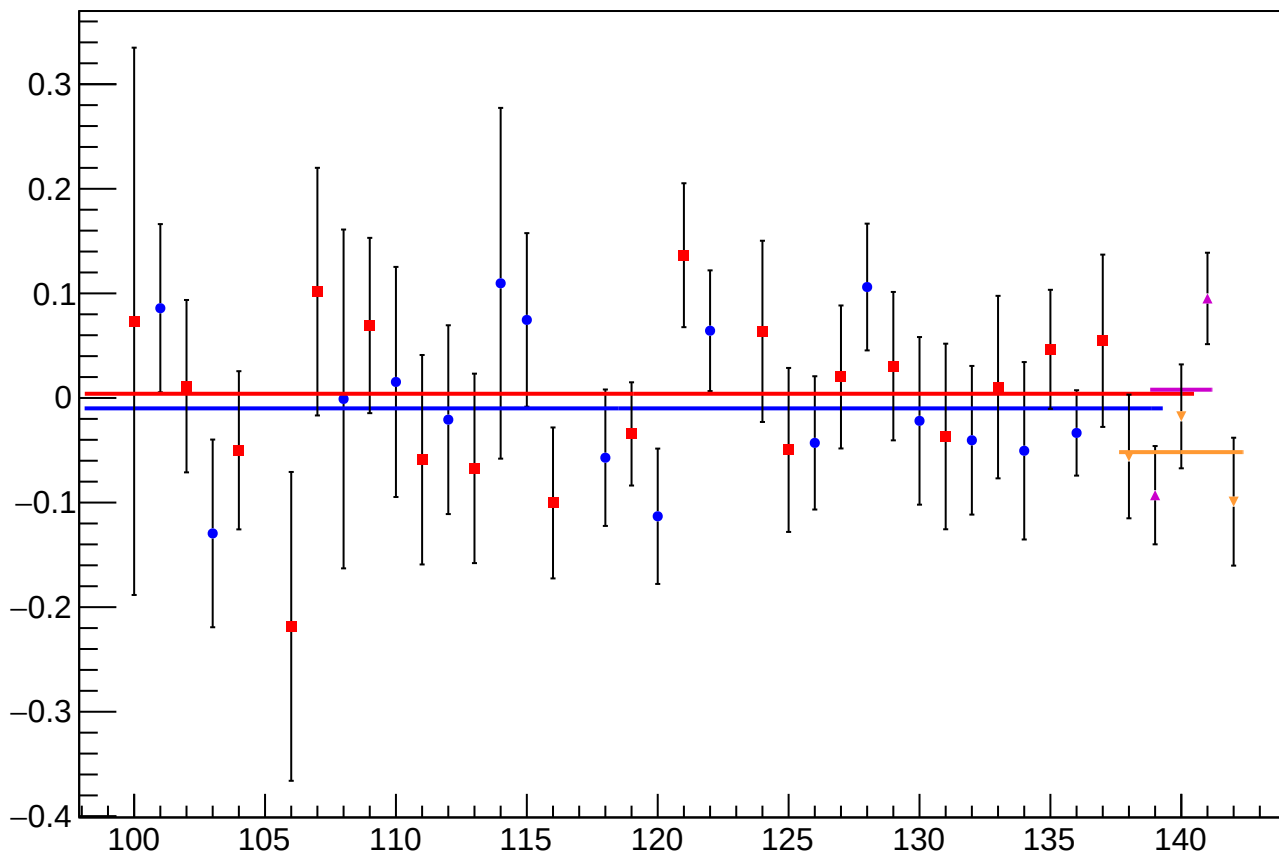
Left In: 0.003+/-0.000 χ^2/NDF : 217959.7/1

+ sign 0.003+/-0.000 χ^2/NDF : 1930475.8/18

All: 0.003+/-0.000 χ^2/NDF : 5317238.8/39

- sign 0.003+/-0.000 χ^2/NDF : 3019454.6/20

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.018 χ^2/NDF : 14.2/15

Left Out: -0.052 ± 0.032 χ^2/NDF : 1.1/2

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

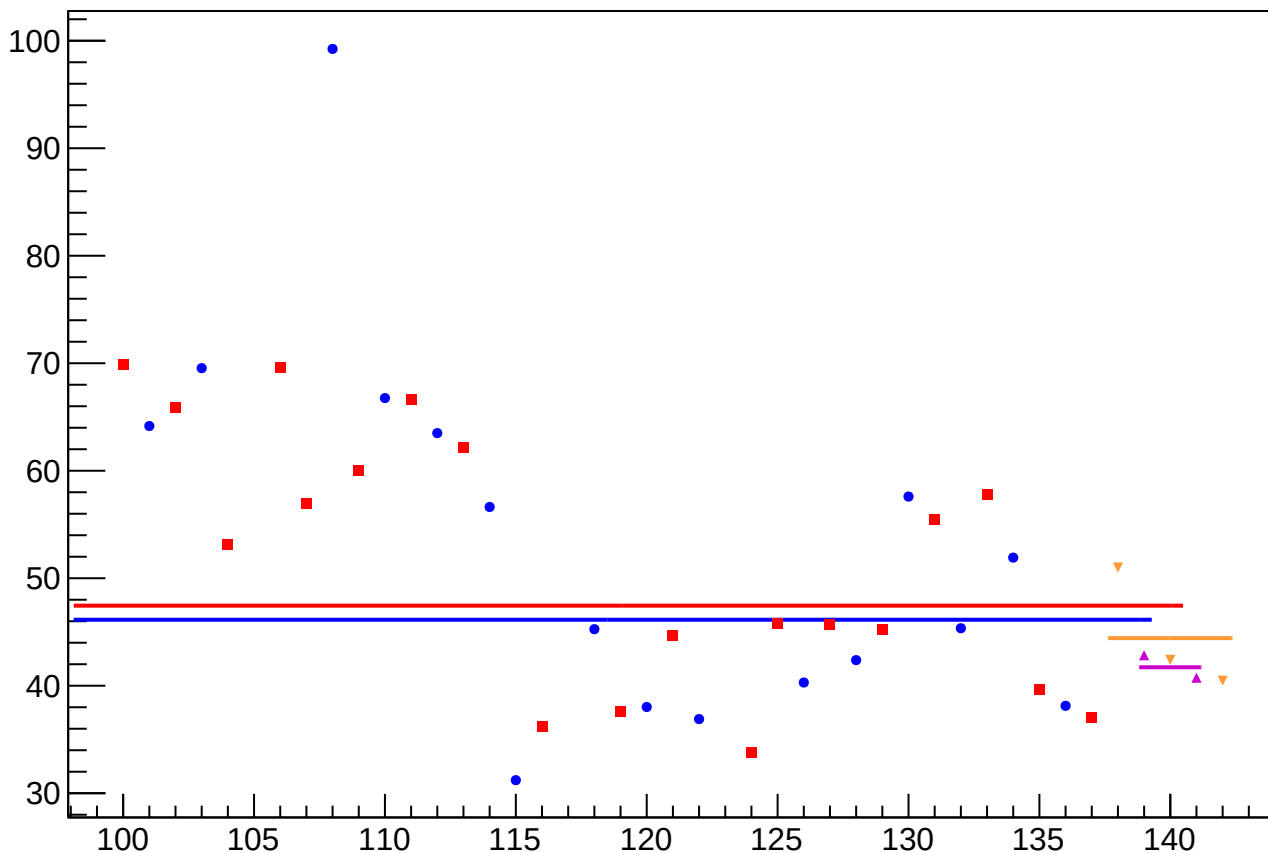
Left In: 0.008 ± 0.032 χ^2/NDF : 8.6/1

+ sign -0.020 ± 0.016 χ^2/NDF : 16.6/18

All: -0.007 ± 0.011 χ^2/NDF : 40.3/39

- sign 0.005 ± 0.016 χ^2/NDF : 22.5/20

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: 44.429 $\pm$ 0.023 χ^2/NDF : 36382.5/2

Right Out: 47.448 $\pm$ 0.013 χ^2/NDF : 654687.8/18

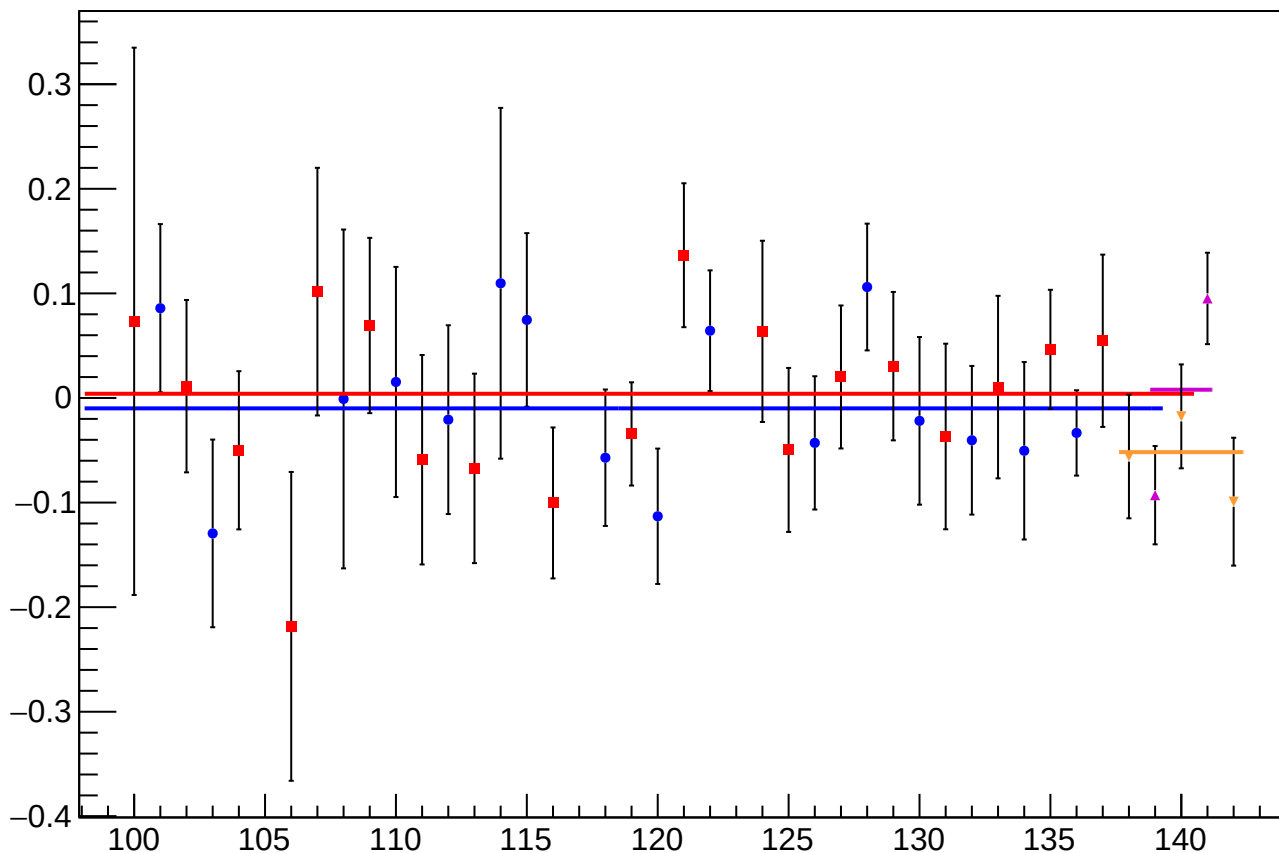
Left In: 41.718 $\pm$ 0.023 χ^2/NDF : 2122.4/1

+ sign 45.735 $\pm$ 0.011 χ^2/NDF : 943918.2/18

All: 45.897 $\pm$ 0.008 χ^2/NDF : 1649756.5/39

- sign 46.060 $\pm$ 0.011 χ^2/NDF : 705409.1/20

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: -0.052 ± 0.032 χ^2/NDF : 1.1/2

Right Out: 0.004 ± 0.018 χ^2/NDF : 13.9/18

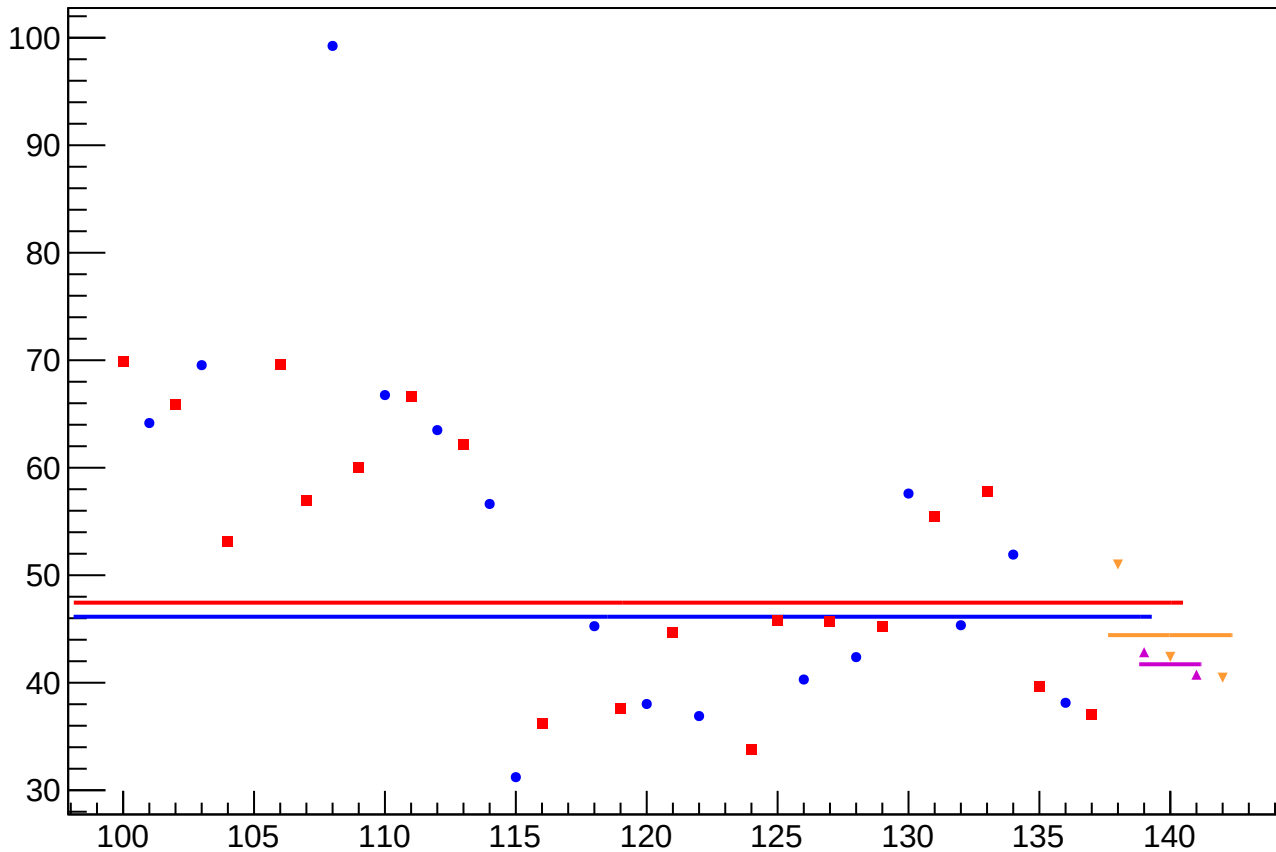
Left In: 0.008 ± 0.032 χ^2/NDF : 8.6/1

+ sign -0.020 ± 0.016 χ^2/NDF : 16.6/18

All: -0.007 ± 0.011 χ^2/NDF : 40.3/39

- sign 0.005 ± 0.016 χ^2/NDF : 22.5/20

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: 44.429 $\pm$ 0.023 χ^2 /NDF: 36382.5/2

Right Out: 47.448 $\pm$ 0.013 χ^2 /NDF: 654687.8/18

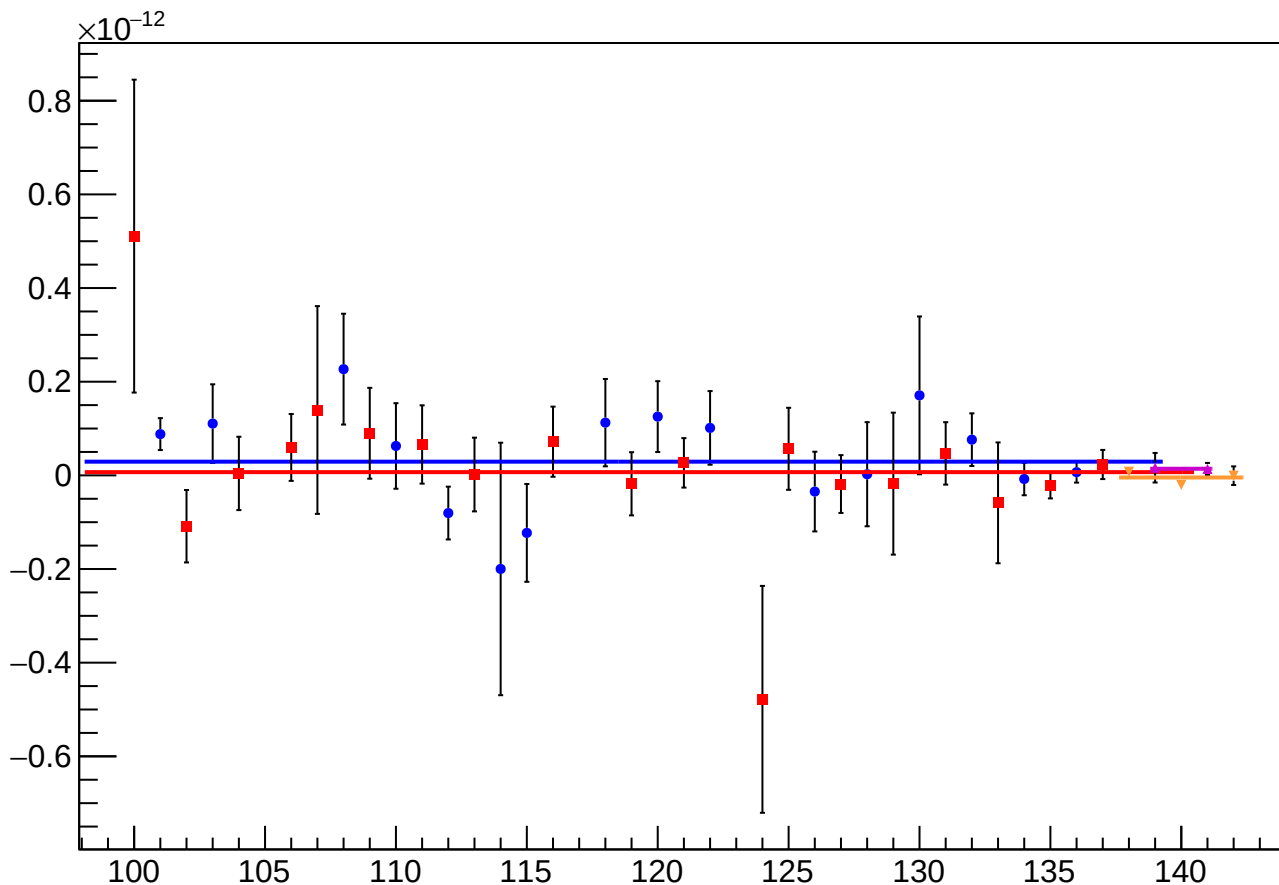
Left In: 41.718 $\pm$ 0.023 χ^2 /NDF: 2122.4/1

+ sign 45.735 $\pm$ 0.011 χ^2 /NDF: 943918.2/18

All: 45.897 $\pm$ 0.008 χ^2 /NDF: 1649756.5/39

- sign 46.060 $\pm$ 0.011 χ^2 /NDF: 705409.1/20

asym_sam_24_68_dd_eigen_cor_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 : 3.9/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.3/18

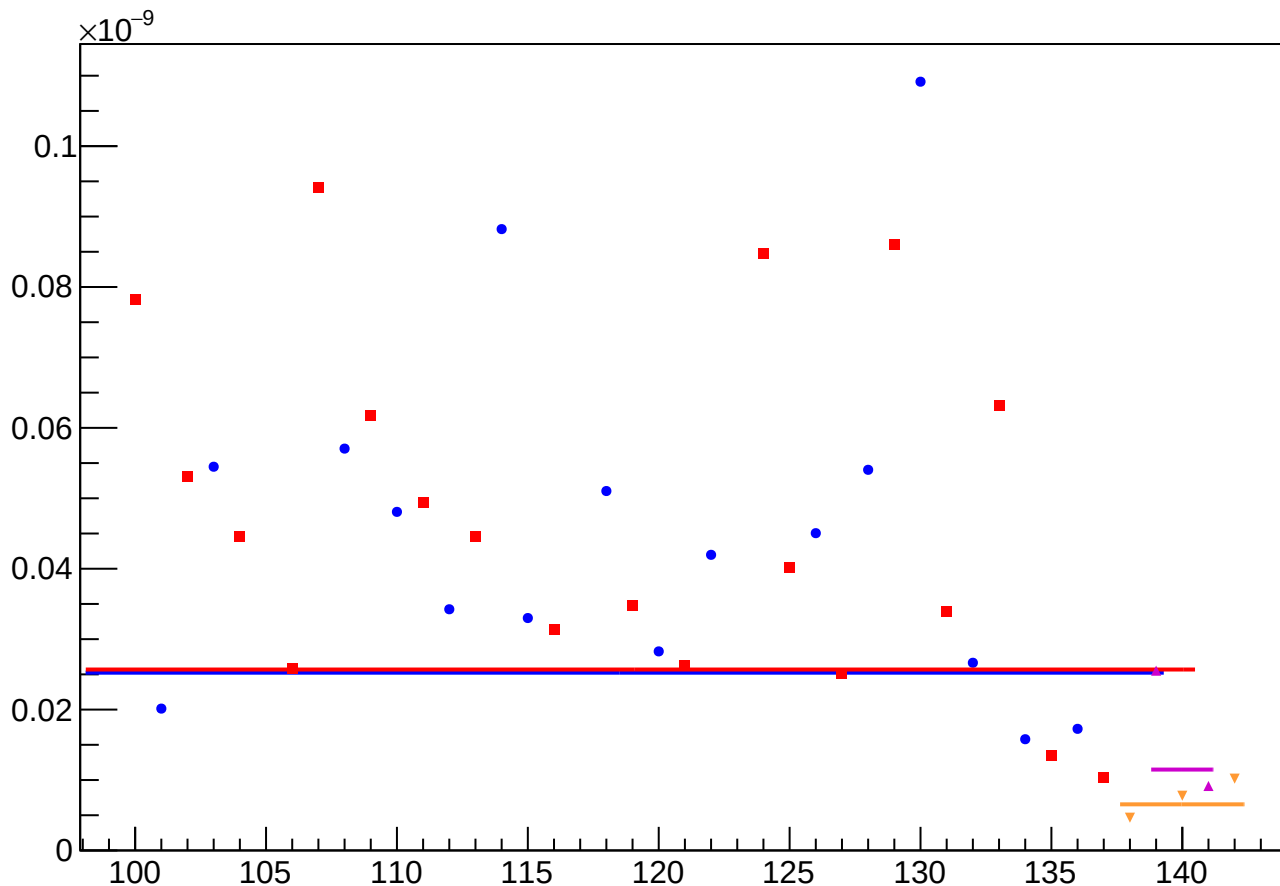
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/1

+ sign 0.000 ± 0.000 χ^2/NDF : 29.8/18

All: 0.000 ± 0.000 χ^2/NDF : 44.9/39

- sign 0.000 ± 0.000 χ^2/NDF : 14.4/20

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 :170680.1/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2790840.2/18

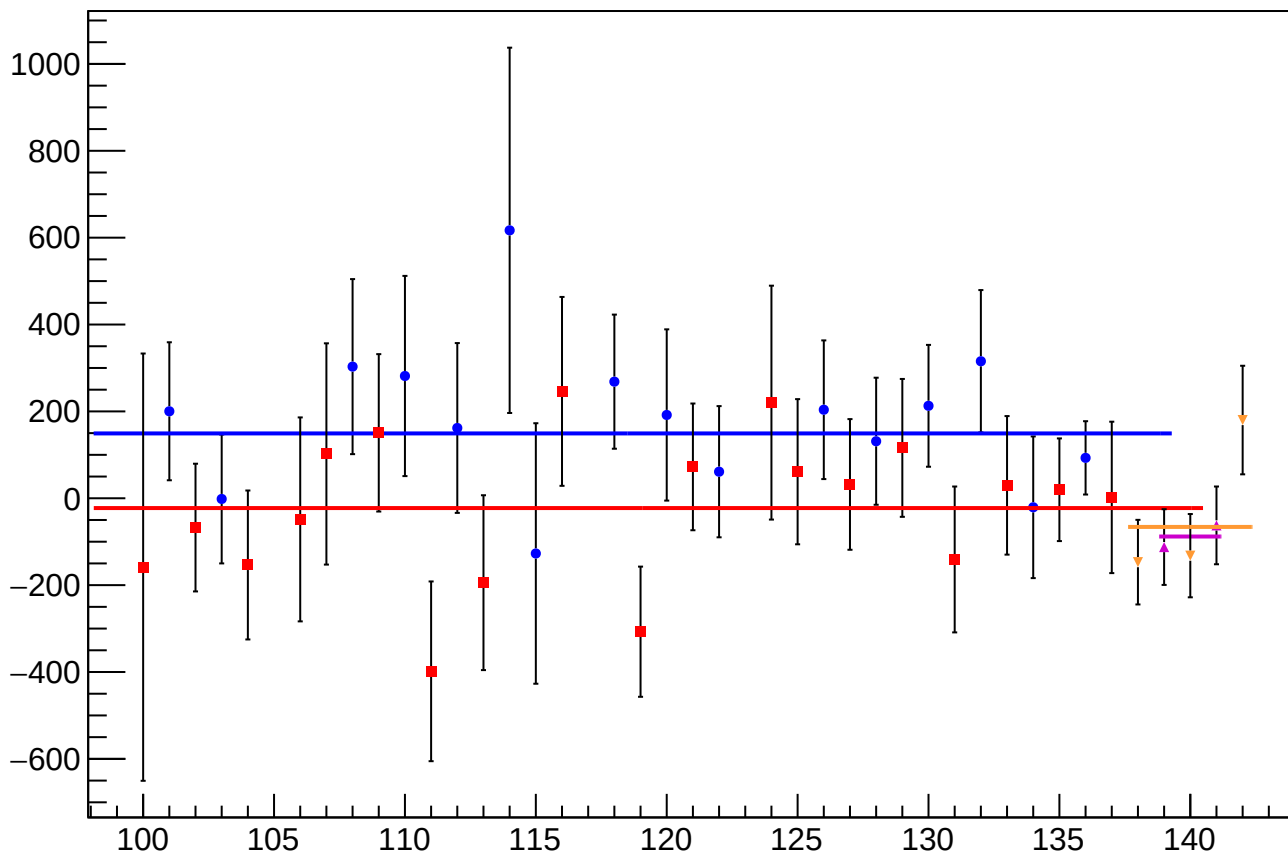
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :461482.5/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5353883.2/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 10587262.7/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4413903.5/20

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303 $\pm$ 39.687 χ^2 /NDF: 8.0/15

Left Out: -65.973 $\pm$ 59.952 χ^2 /NDF:5.0/2

Right Out: -22.549 $\pm$ 40.100 χ^2 /NDF: 14.2/18

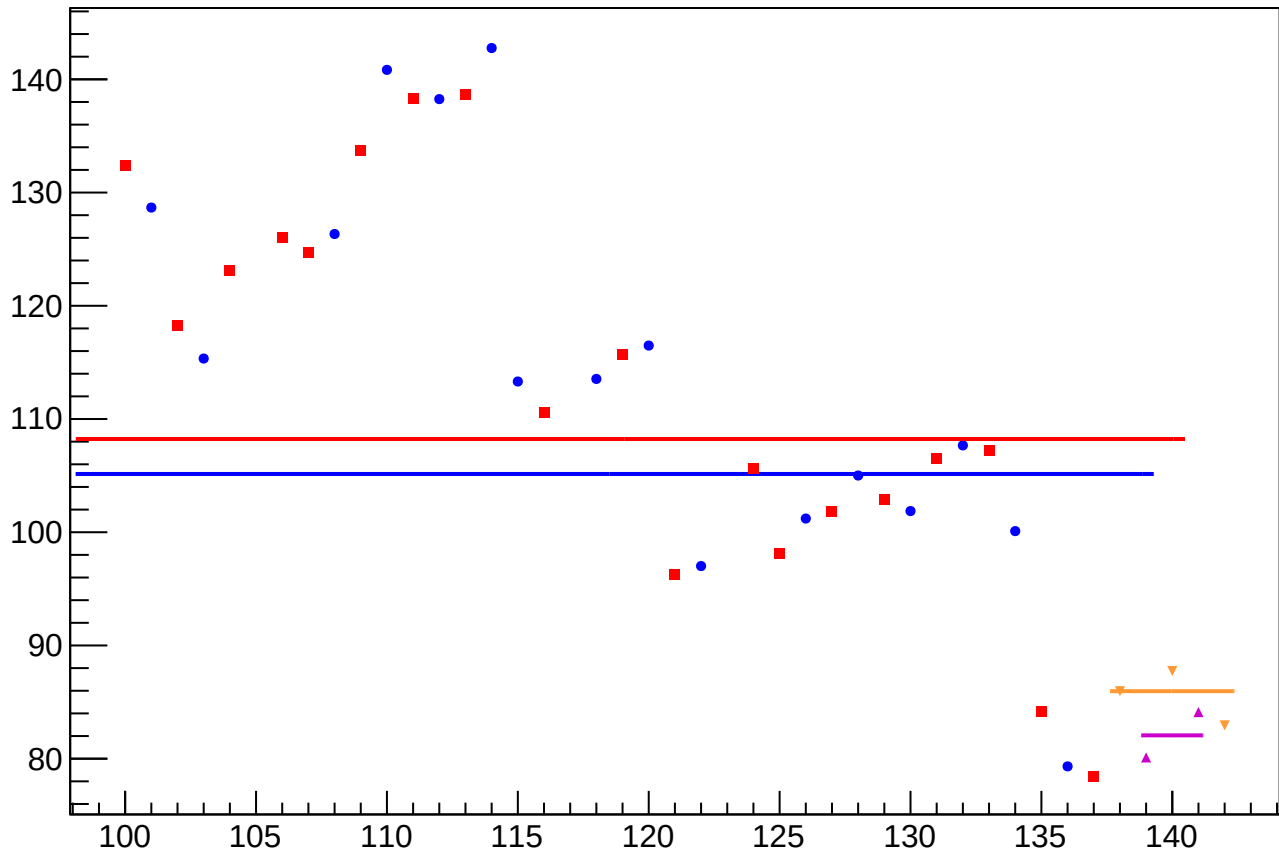
Left In: -88.060 $\pm$ 62.441 χ^2 /NDF:0.2/1

+ sign 83.710 $\pm$ 33.093 χ^2 /NDF: 22.0/18

All: 22.232 $\pm$ 23.626 χ^2 /NDF: 44.2/39

- sign -41.679 $\pm$ 33.741 χ^2 /NDF: 15.2/20

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146 $\pm$ 0.028 χ^2 /NDF: 408406.3/15

Left Out: 85.962 $\pm$ 0.042 χ^2 /NDF:1858.8/2

Right Out: 108.233 $\pm$ 0.028 χ^2 /NDF: 349936.1/18

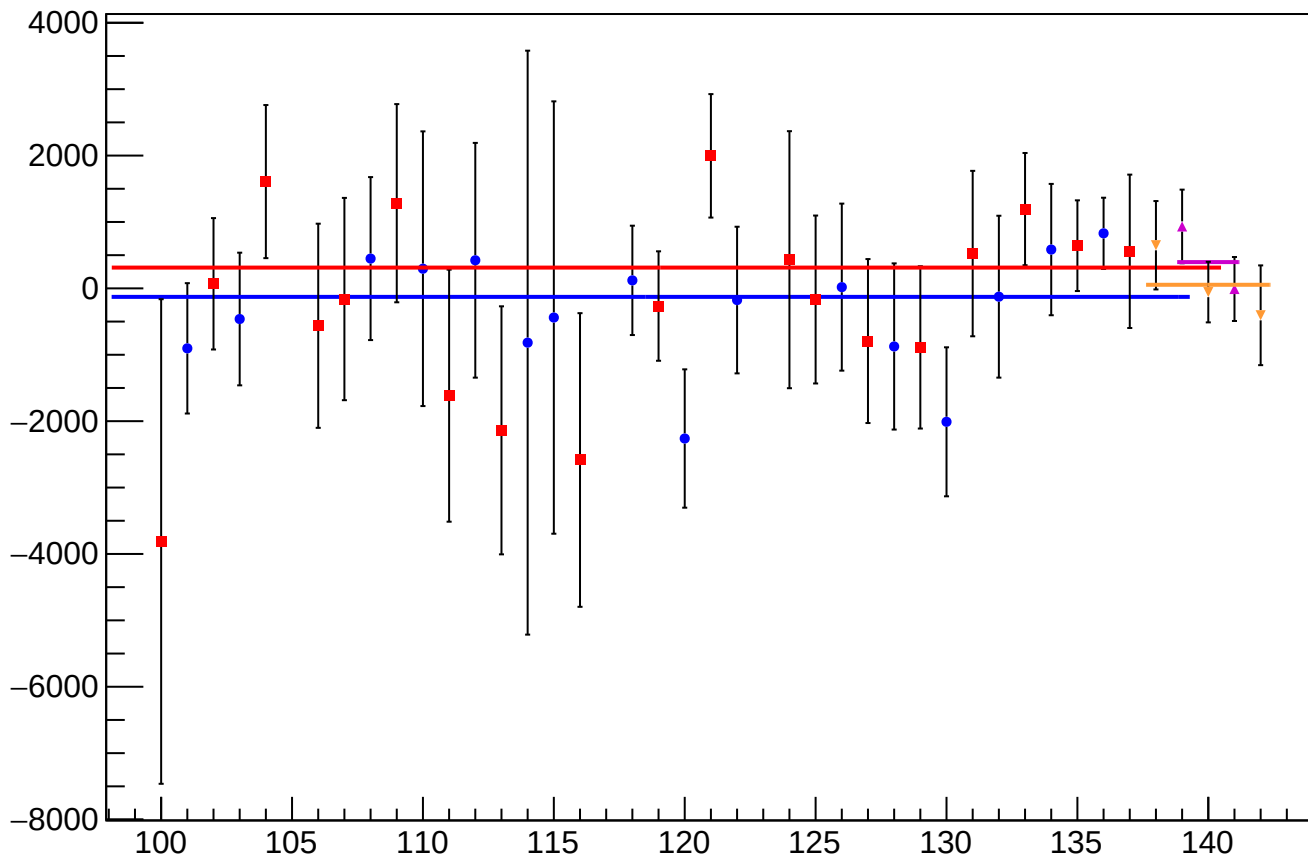
Left In: 82.061 $\pm$ 0.044 χ^2 /NDF:2058.5/1

+ sign 99.301 $\pm$ 0.023 χ^2 /NDF: 552658.7/18

All: 99.933 $\pm$ 0.017 χ^2 /NDF: 1154916.6/39

- sign 100.590 $\pm$ 0.024 χ^2 /NDF: 600769.1/20

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: -128.056 $\pm$ 268.611 χ^2 /NDF: 12.3/15

Left Out: 54.032 $\pm$ 336.389 χ^2 /NDF: 1.2/2

Right Out: 313.031 $\pm$ 270.131 χ^2 /NDF: 15.0/18

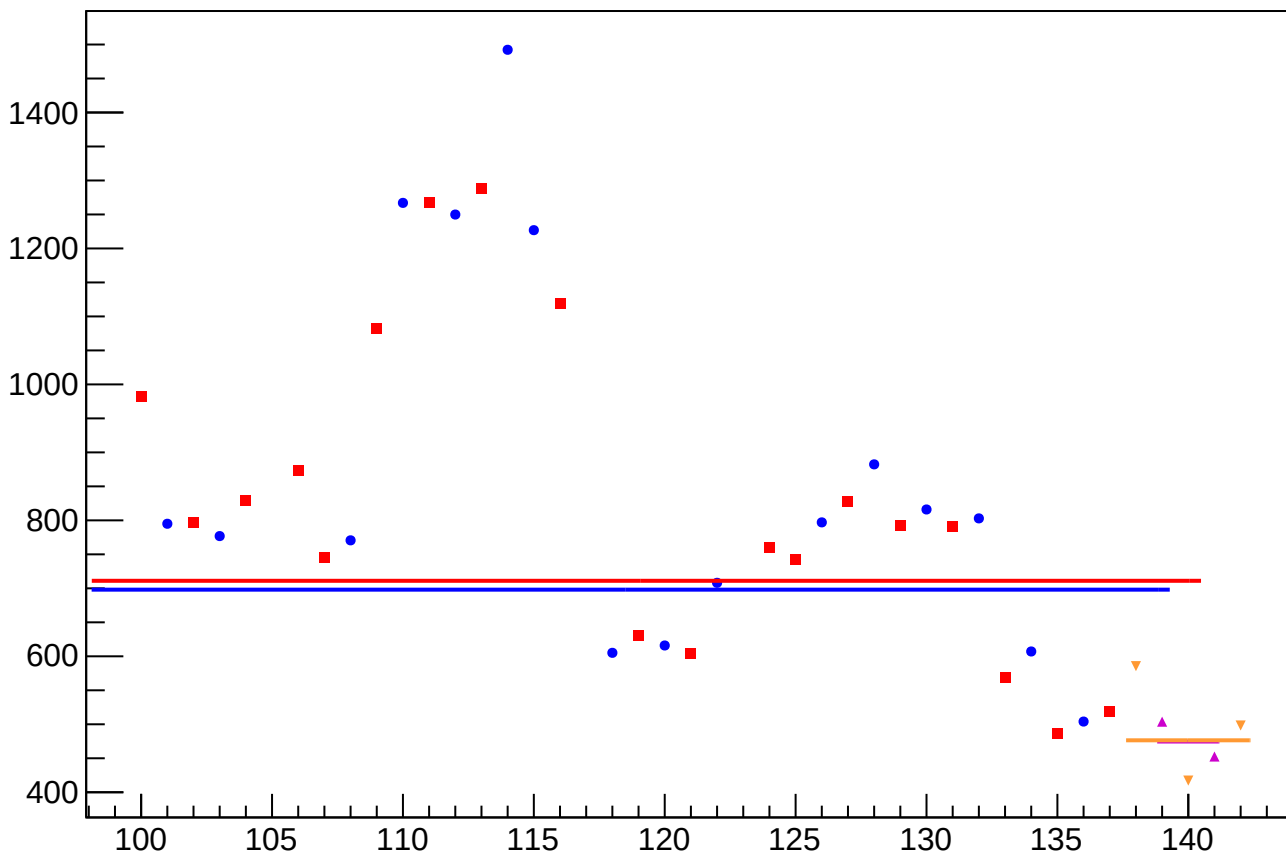
Left In: 395.803 $\pm$ 363.642 χ^2 /NDF: 1.6/1

+ sign -57.158 $\pm$ 209.902 χ^2 /NDF: 13.7/18

All: 136.152 $\pm$ 150.819 χ^2 /NDF: 32.1/39

- sign 342.465 $\pm$ 216.847 χ^2 /NDF: 16.7/20

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF : 912851.5/15

Left Out: 476.429+/-0.238 χ^2/NDF : 89144.0/2

Right Out: 711.088+/-0.191 χ^2/NDF : 1035118.4/18

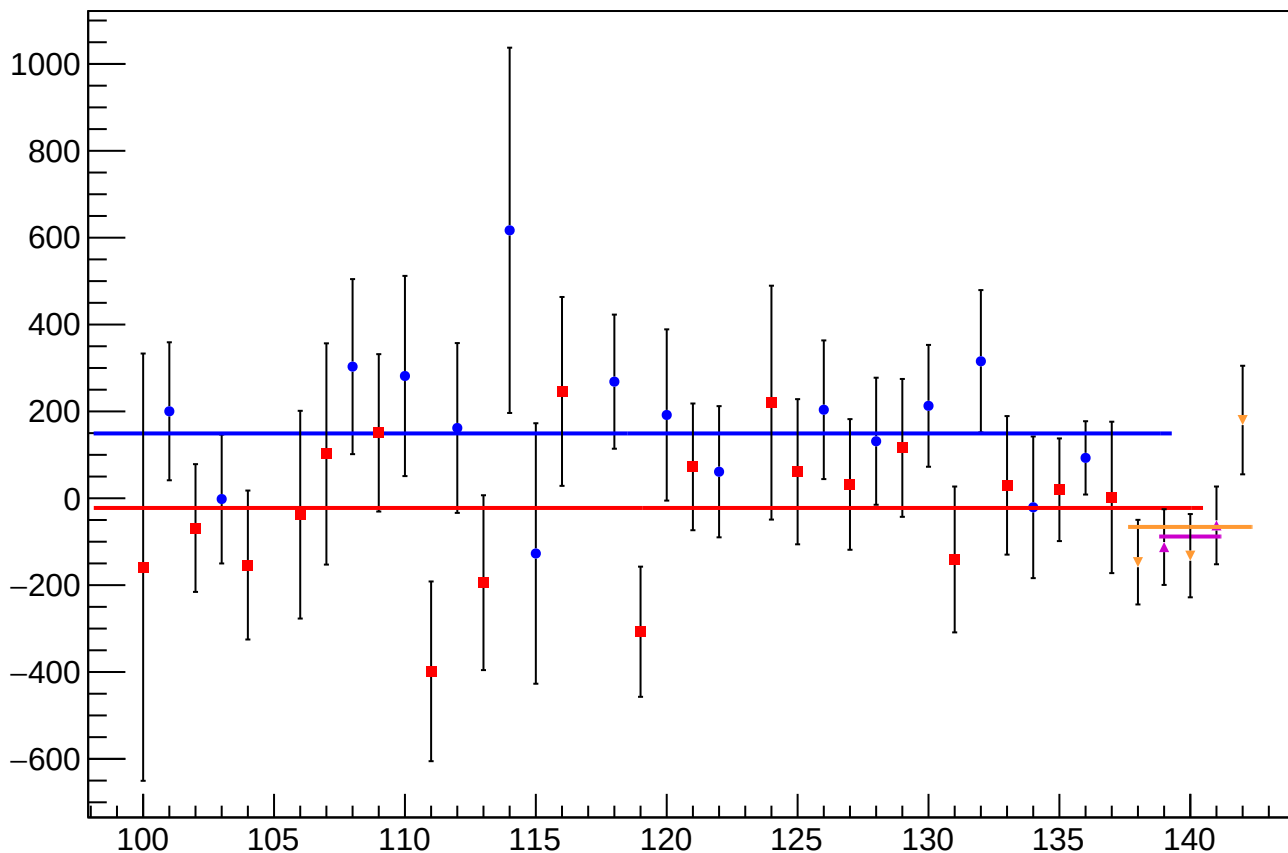
Left In: 474.623+/-0.257 χ^2/NDF : 9742.9/1

+ sign 611.763+/-0.148 χ^2/NDF : 1532111.3/18

All: 619.134+/-0.107 χ^2/NDF : 3127040.8/39

- sign 627.002+/-0.153 χ^2/NDF : 1589830.2/20

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294 $\pm$ 39.687 χ^2 /NDF: 8.0/15

Left Out: -65.974 $\pm$ 59.952 χ^2 /NDF:5.0/2

Right Out: -22.297 $\pm$ 40.123 χ^2 /NDF: 14.2/18

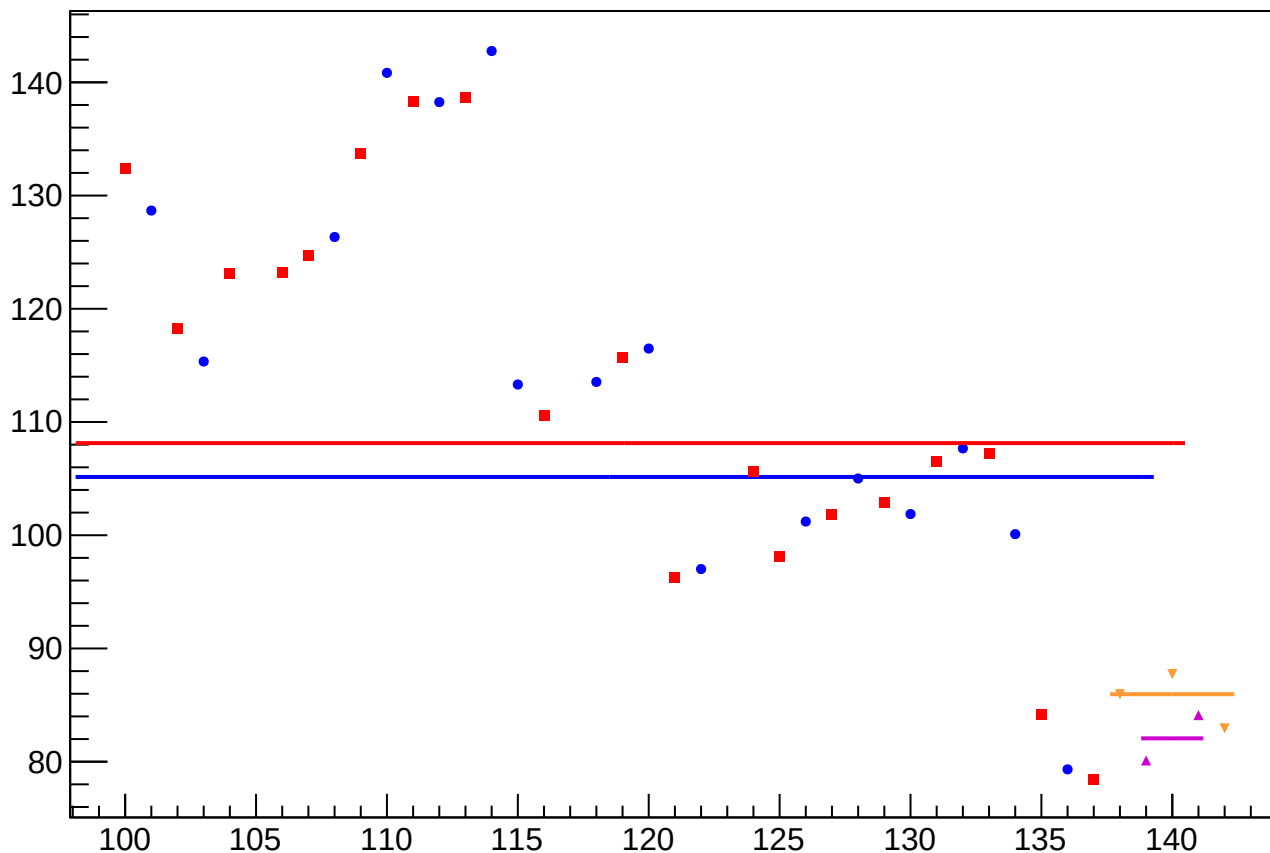
Left In: -88.063 $\pm$ 62.441 χ^2 /NDF:0.2/1

+ sign 83.703 $\pm$ 33.093 χ^2 /NDF: 22.0/18

All: 22.332 $\pm$ 23.631 χ^2 /NDF: 44.2/39

- sign -41.516 $\pm$ 33.755 χ^2 /NDF: 15.2/20

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146 $\pm$ 0.028 χ^2 /NDF: 408406.5/15

Left Out: 85.962 $\pm$ 0.042 χ^2 /NDF:1858.8/2

Right Out: 108.136 $\pm$ 0.028 χ^2 /NDF: 346321.9/18

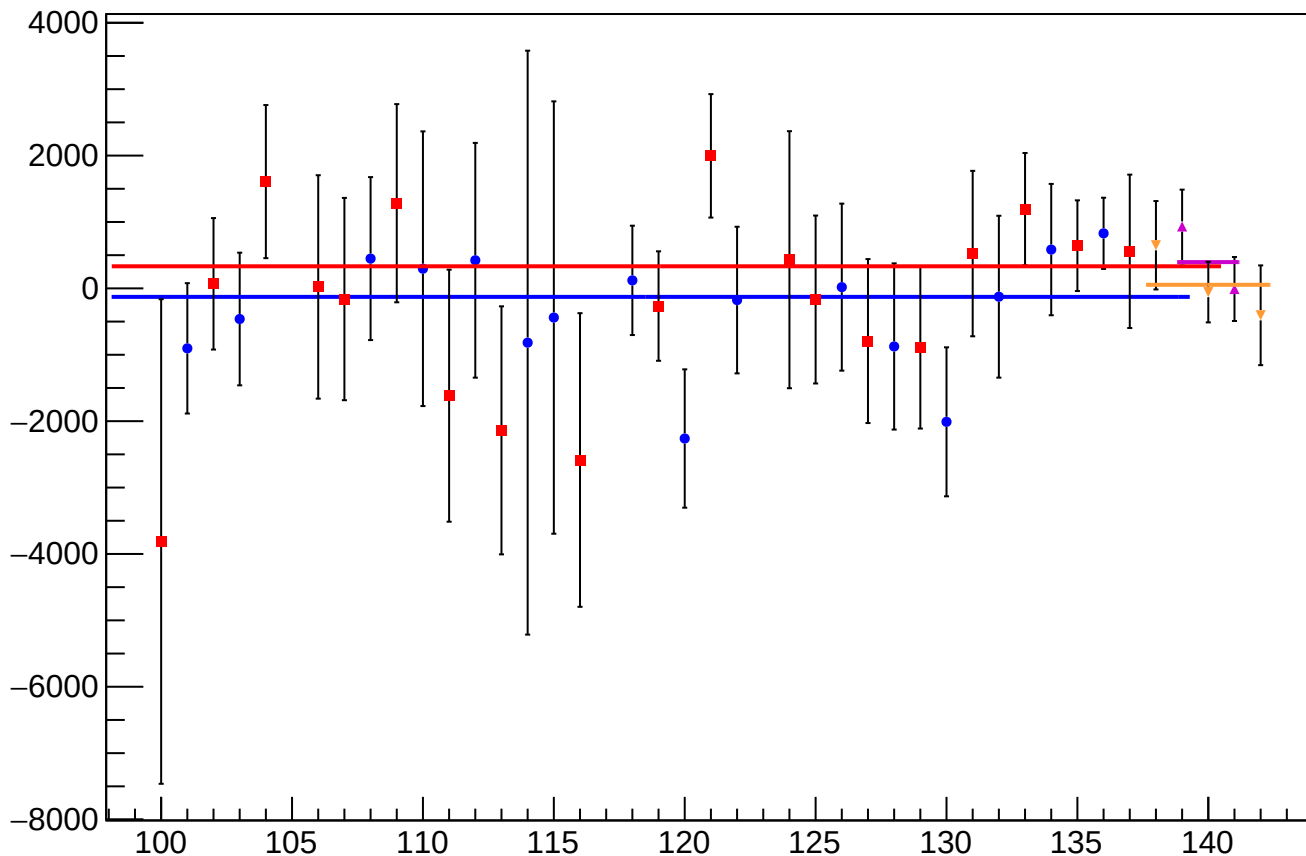
Left In: 82.061 $\pm$ 0.044 χ^2 /NDF:2058.5/1

+ sign 99.301 $\pm$ 0.023 χ^2 /NDF: 552658.9/18

All: 99.897 $\pm$ 0.017 χ^2 /NDF: 1149227.2/39

- sign 100.516 $\pm$ 0.024 χ^2 /NDF: 595246.4/20

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: 54.028 $\pm$ 336.388 χ^2 /NDF: 1.2/2

Right Out: 332.665 $\pm$ 270.835 χ^2 /NDF: 14.7/18

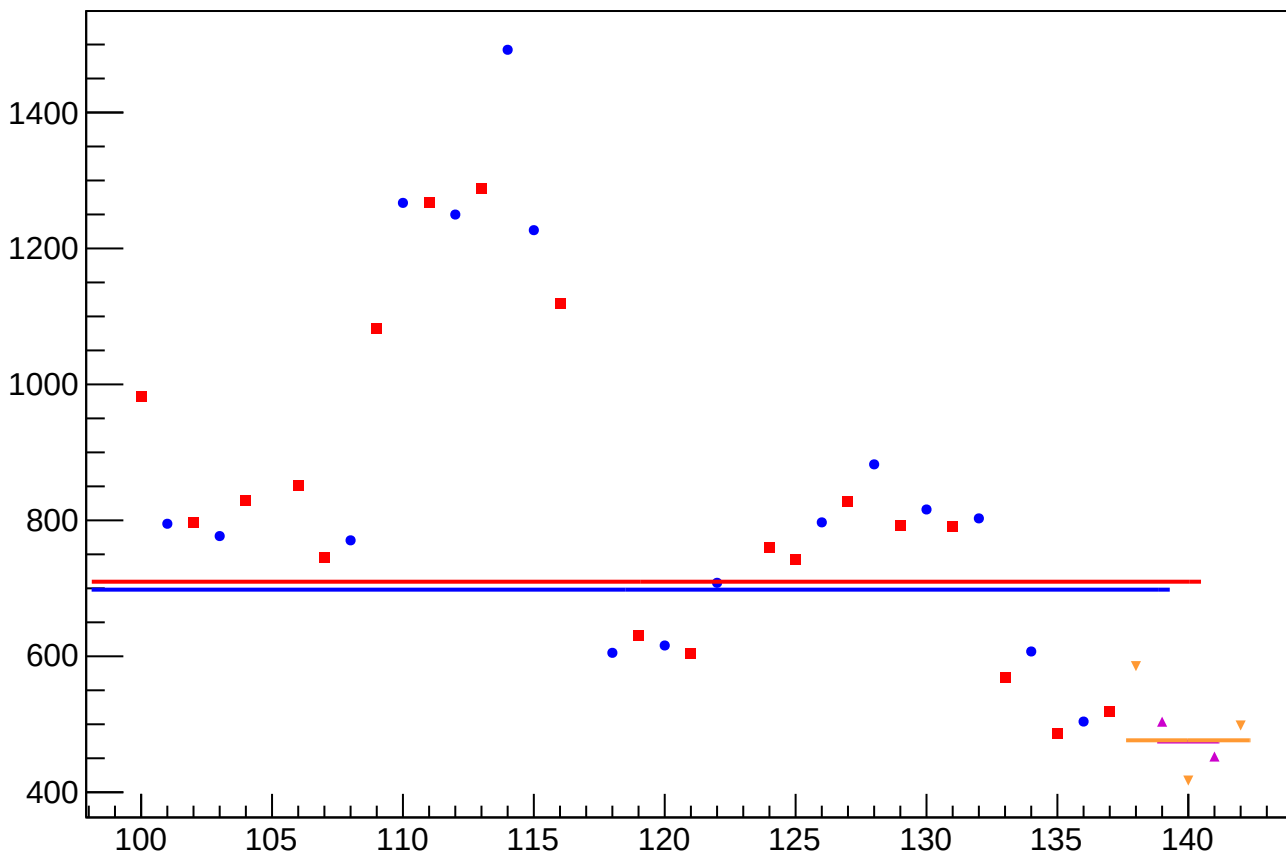
Left In: 395.806 $\pm$ 363.642 χ^2 /NDF: 1.6/1

+ sign -57.154 $\pm$ 209.902 χ^2 /NDF: 13.7/18

All: 141.966 $\pm$ 150.941 χ^2 /NDF: 31.9/39

- sign 355.193 $\pm$ 217.211 χ^2 /NDF: 16.4/20

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF : 912861.2/15

Left Out: 476.429+/-0.238 χ^2/NDF : 89143.7/2

Right Out: 709.748+/-0.192 χ^2/NDF : 1027114.2/18

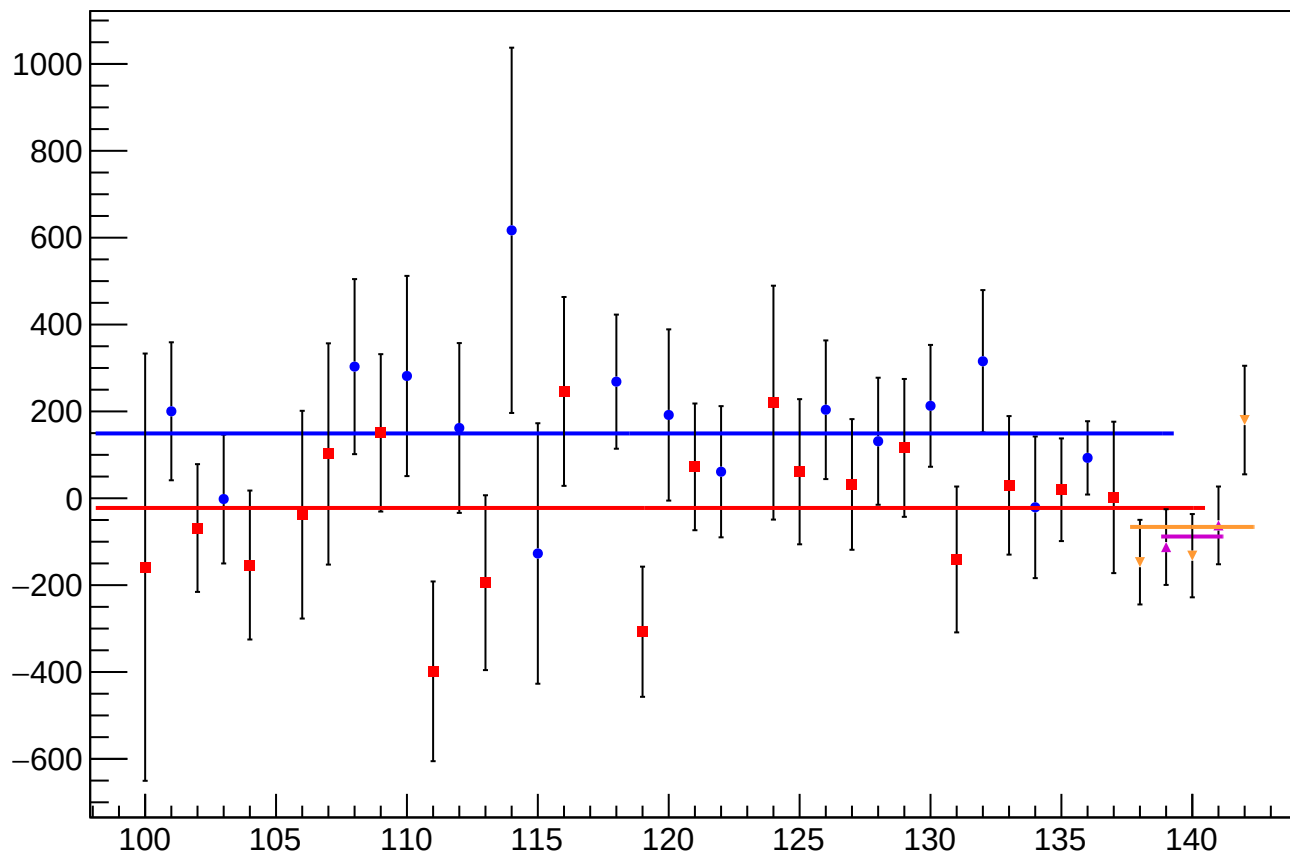
Left In: 474.624+/-0.257 χ^2/NDF : 9742.6/1

+ sign 611.763+/-0.148 χ^2/NDF : 1532124.0/18

All: 618.569+/-0.107 χ^2/NDF : 3111148.7/39

- sign 625.858+/-0.154 χ^2/NDF : 1574669.8/20

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: -65.974 $\pm$ 59.952 χ^2 /NDF: 5.0/2

Right Out: -22.297 $\pm$ 40.123 χ^2 /NDF: 14.2/18

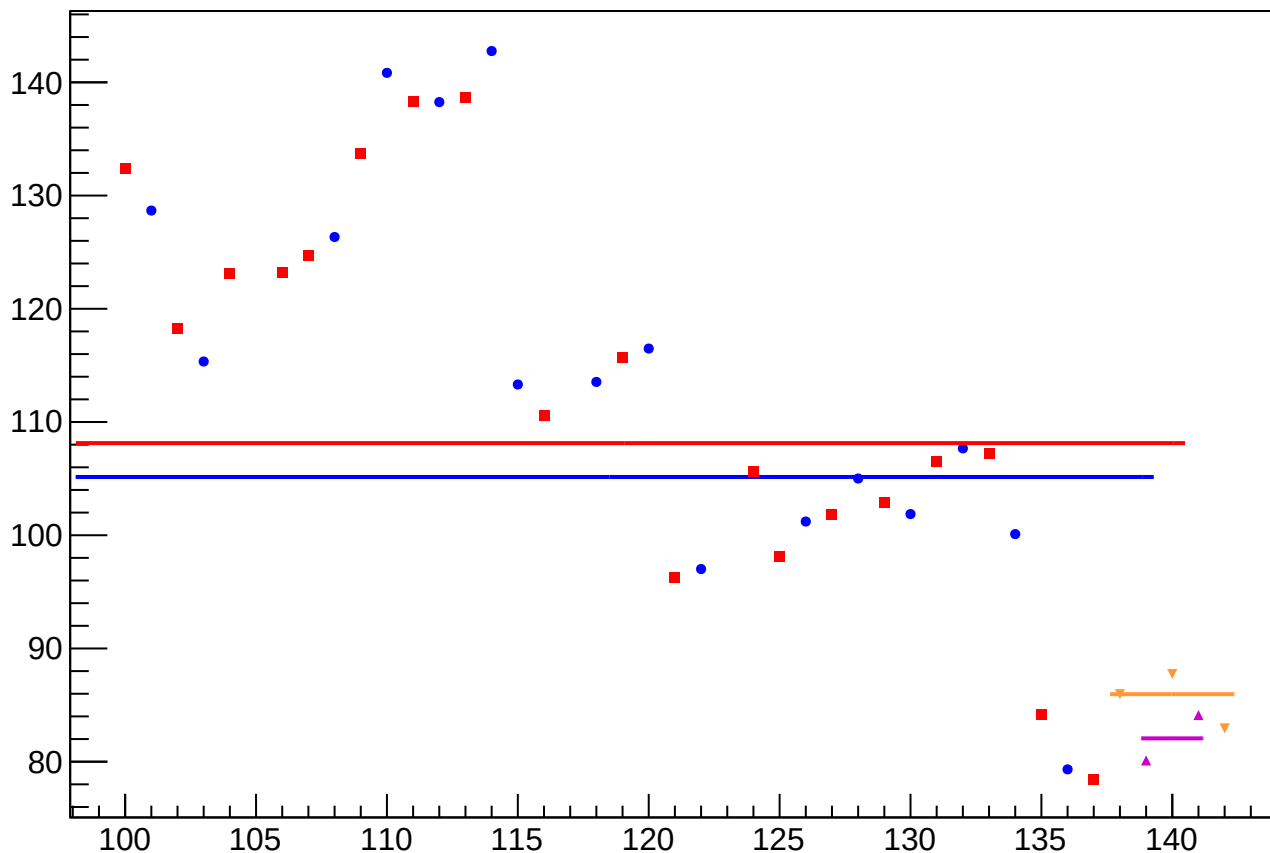
Left In: -88.063 $\pm$ 62.441 χ^2 /NDF: 0.2/1

+ sign 83.703 $\pm$ 33.093 χ^2 /NDF: 22.0/18

All: 22.332 $\pm$ 23.631 χ^2 /NDF: 44.2/39

- sign -41.516 $\pm$ 33.755 χ^2 /NDF: 15.2/20

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: 85.962 $\pm$ 0.042 χ^2 /NDF:1858.8/2

Right Out: 108.136 $\pm$ 0.028 χ^2 /NDF: 346321.9/18

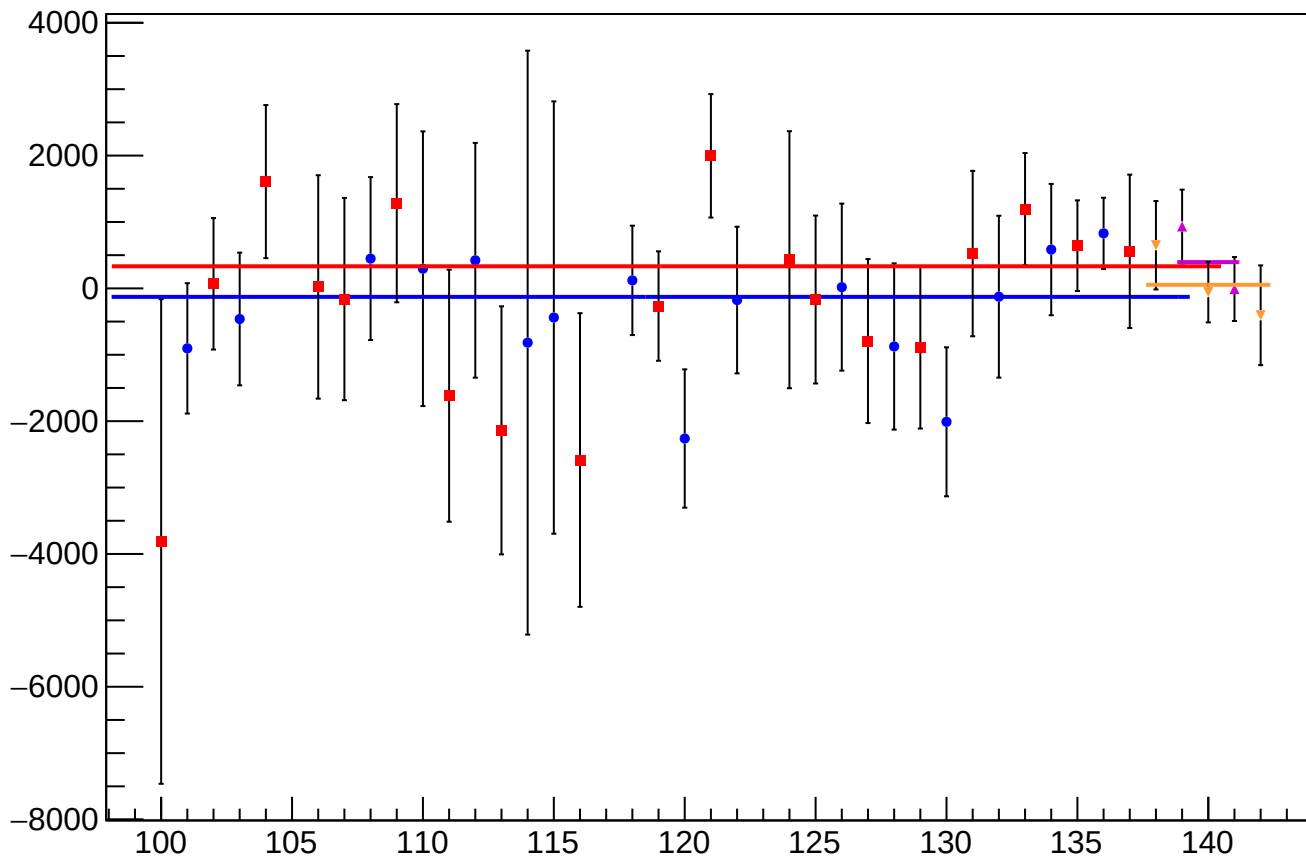
Left In: 82.061 $\pm$ 0.044 χ^2 /NDF:2058.5/1

+ sign 99.301 $\pm$ 0.023 χ^2 /NDF: 552658.9/18

All: 99.897 $\pm$ 0.017 χ^2 /NDF: 1149227.2/39

- sign 100.516 $\pm$ 0.024 χ^2 /NDF: 595246.4/20

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: 54.028 ± 336.388 χ^2/NDF : 1.2/2

Right Out: 332.665 ± 270.835 χ^2/NDF : 14.7/18

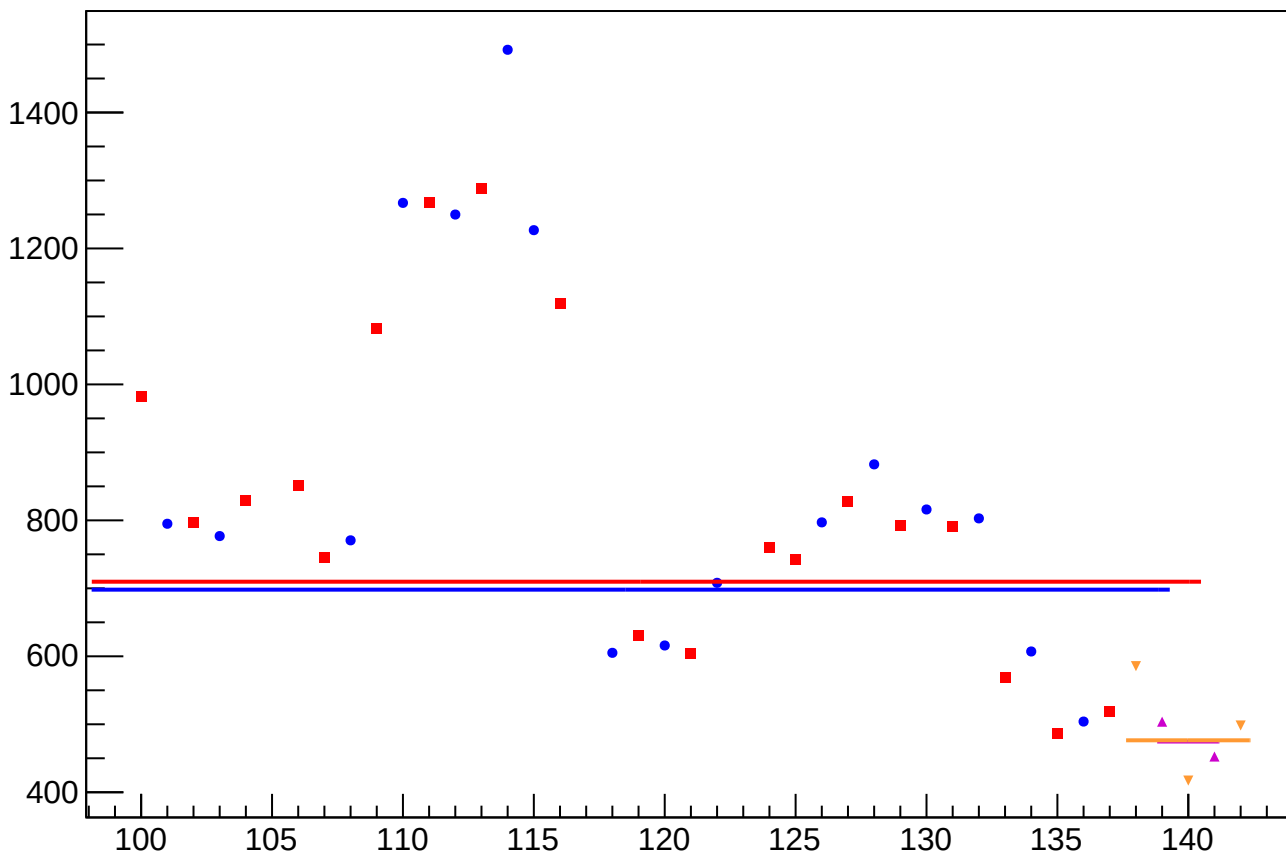
Left In: 395.806 ± 363.642 χ^2/NDF : 1.6/1

+ sign -57.154 ± 209.902 χ^2/NDF : 13.7/18

All: 141.966 ± 150.941 χ^2/NDF : 31.9/39

- sign 355.193 ± 217.211 χ^2/NDF : 16.4/20

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF : 912861.2/15

Left Out: 476.429+/-0.238 χ^2/NDF : 89143.7/2

Right Out: 709.748+/-0.192 χ^2/NDF : 1027114.2/18

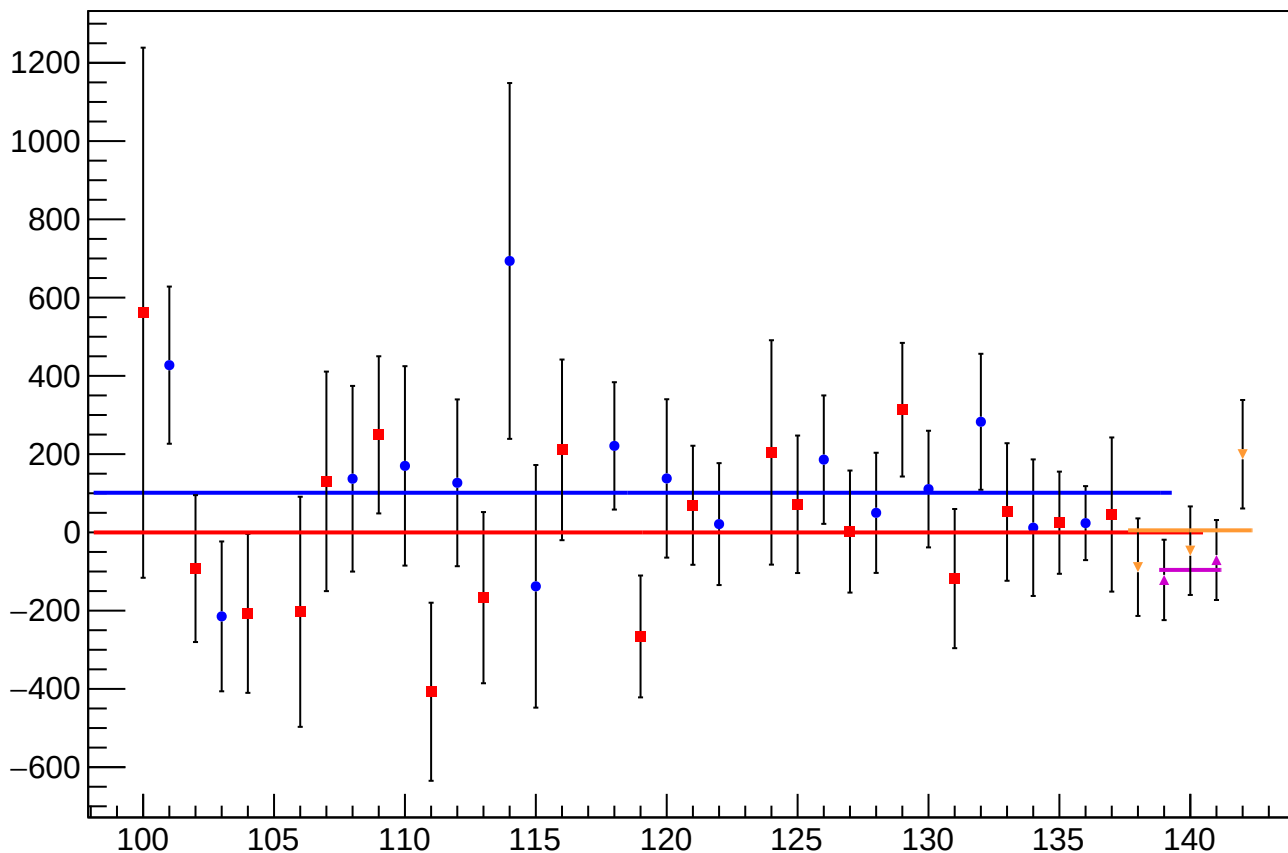
Left In: 474.624+/-0.257 χ^2/NDF : 9742.6/1

+ sign 611.763+/-0.148 χ^2/NDF : 1532124.0/18

All: 618.569+/-0.107 χ^2/NDF : 3111148.7/39

- sign 625.858+/-0.154 χ^2/NDF : 1574669.8/20

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281 $\pm$ 43.510 χ^2 /NDF: 11.0/15

Left Out: 5.225 $\pm$ 71.709 χ^2 /NDF: 2.7/2

Right Out: -0.125 $\pm$ 44.035 χ^2 /NDF: 16.6/18

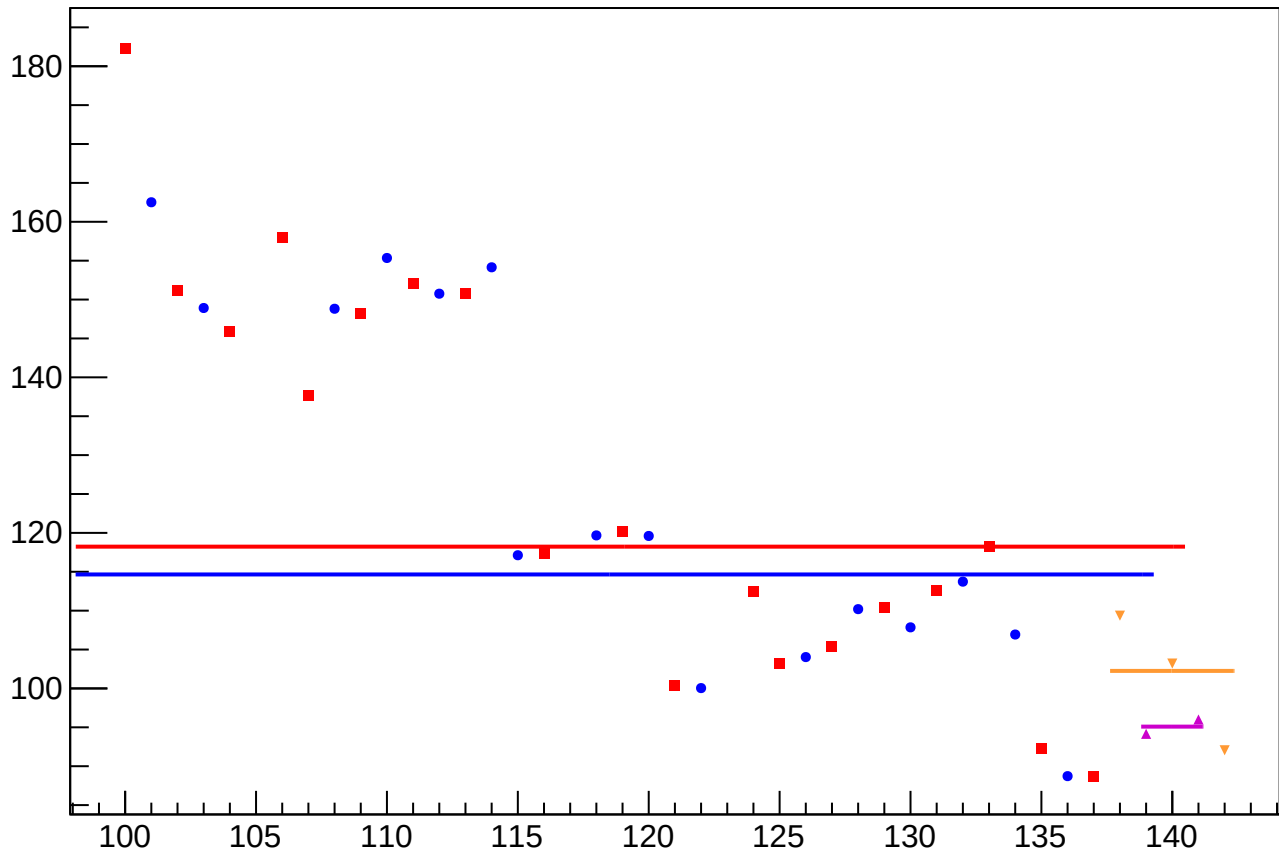
Left In: -95.898 $\pm$ 72.449 χ^2 /NDF: 0.1/1

+ sign 75.433 $\pm$ 37.198 χ^2 /NDF: 15.1/18

All: 25.321 $\pm$ 26.454 χ^2 /NDF: 36.7/39

- sign -25.961 $\pm$ 37.629 χ^2 /NDF: 18.0/20

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF : 531976.2/15

Left Out: 102.253+/-0.051 χ^2/NDF :17471.1/2

Right Out: 118.230+/-0.031 χ^2/NDF : 483407.4/18

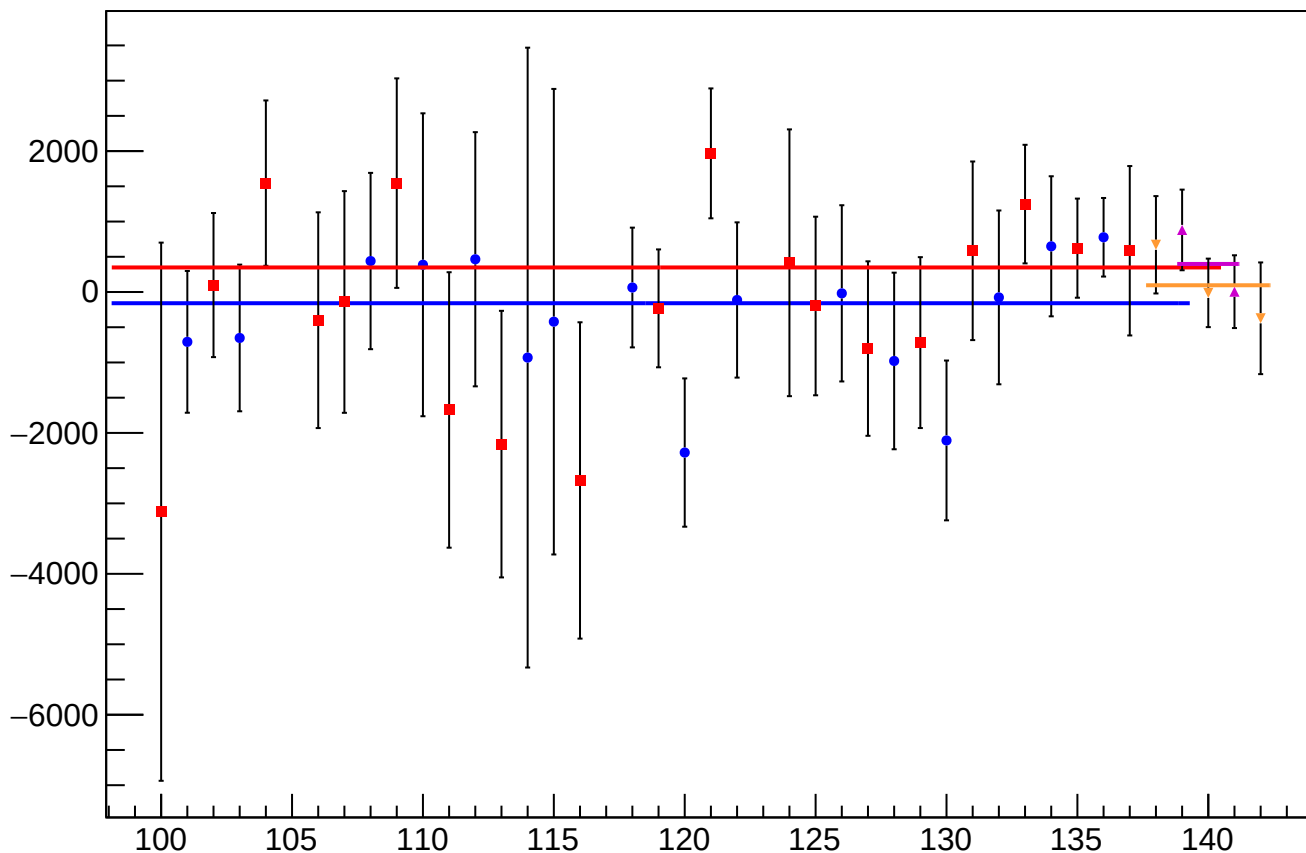
Left In: 95.090+/-0.051 χ^2/NDF :323.8/1

+ sign 111.318+/-0.026 χ^2/NDF : 593166.9/18

All: 111.649+/-0.019 χ^2/NDF : 1226218.3/39

- sign 111.988+/-0.027 χ^2/NDF : 632730.5/20

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: -159.110 ± 274.558 χ^2/NDF : 12.0/15

Left Out: 95.817 ± 355.389 χ^2/NDF : 1.1/2

Right Out: 348.528 ± 273.595 χ^2/NDF : 14.3/18

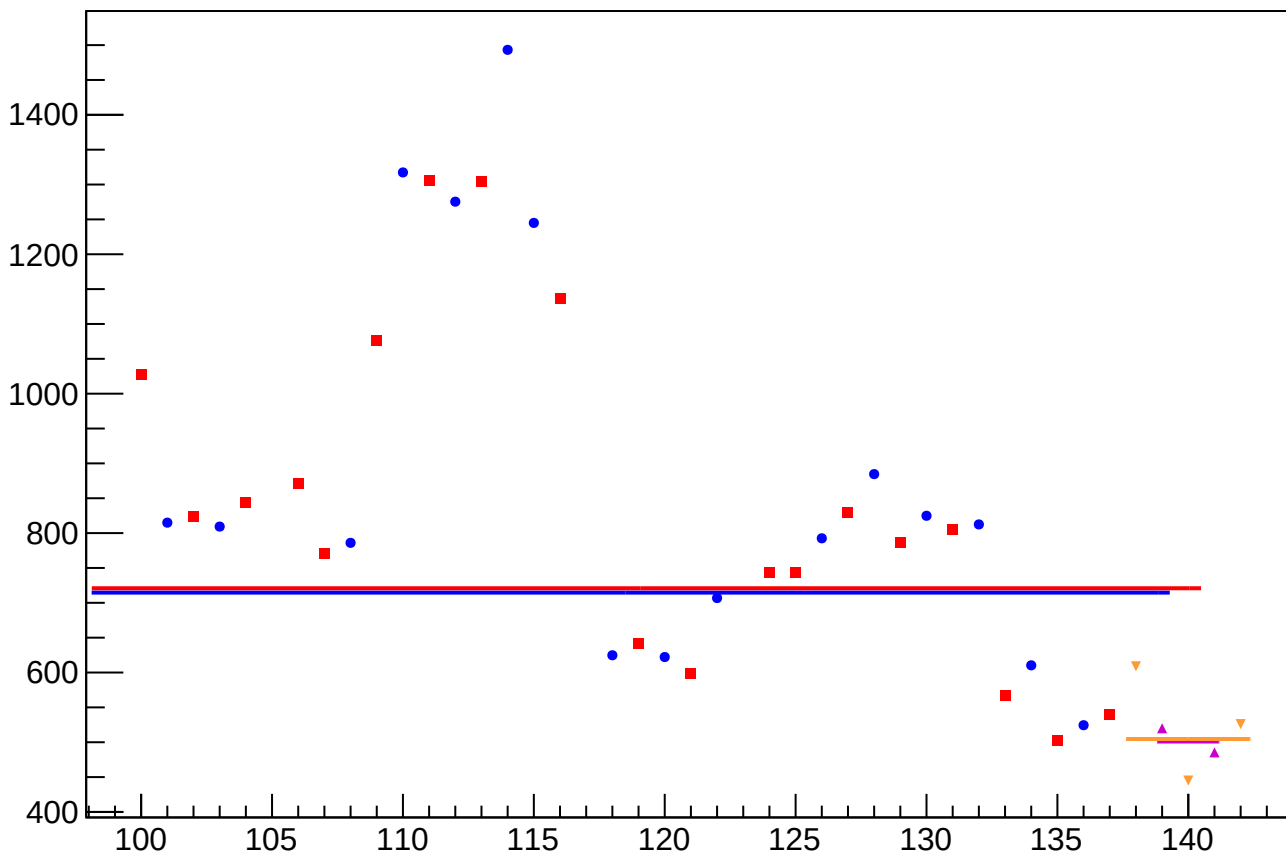
Left In: 398.222 ± 383.436 χ^2/NDF : 1.3/1

+ sign -63.828 ± 217.271 χ^2/NDF : 13.4/18

All: 145.427 ± 155.522 χ^2/NDF : 30.9/39

- sign 365.293 ± 222.713 χ^2/NDF : 15.6/20

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666 $\pm$ 0.194 χ^2 /NDF: 876217.1/15

Left Out: 504.654 $\pm$ 0.251 χ^2 /NDF: 77055.2/2

+ sign 636.171 $\pm$ 0.154 χ^2 /NDF: 1390642.8/18

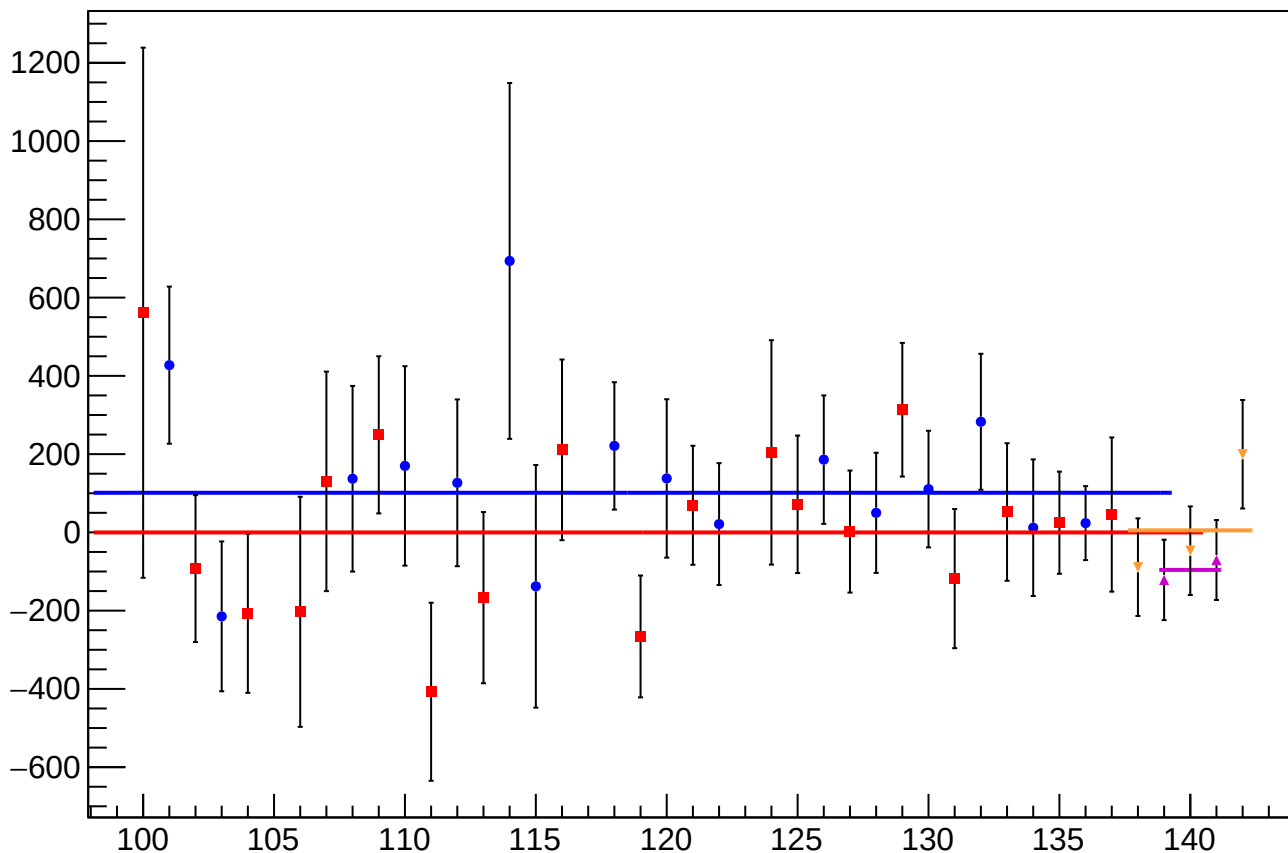
Right Out: 720.885 $\pm$ 0.193 χ^2 /NDF: 1018435.1/18

All: 641.309 $\pm$ 0.110 χ^2 /NDF: 2851155.2/39

- sign 646.707 $\pm$ 0.157 χ^2 /NDF: 1458219.2/20

Left In: 501.012 $\pm$ 0.271 χ^2 /NDF: 4012.4/1

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: 5.224 $\pm$ 71.709 χ^2 /NDF: 2.7/2

Right Out: -0.125 $\pm$ 44.035 χ^2 /NDF: 16.6/18

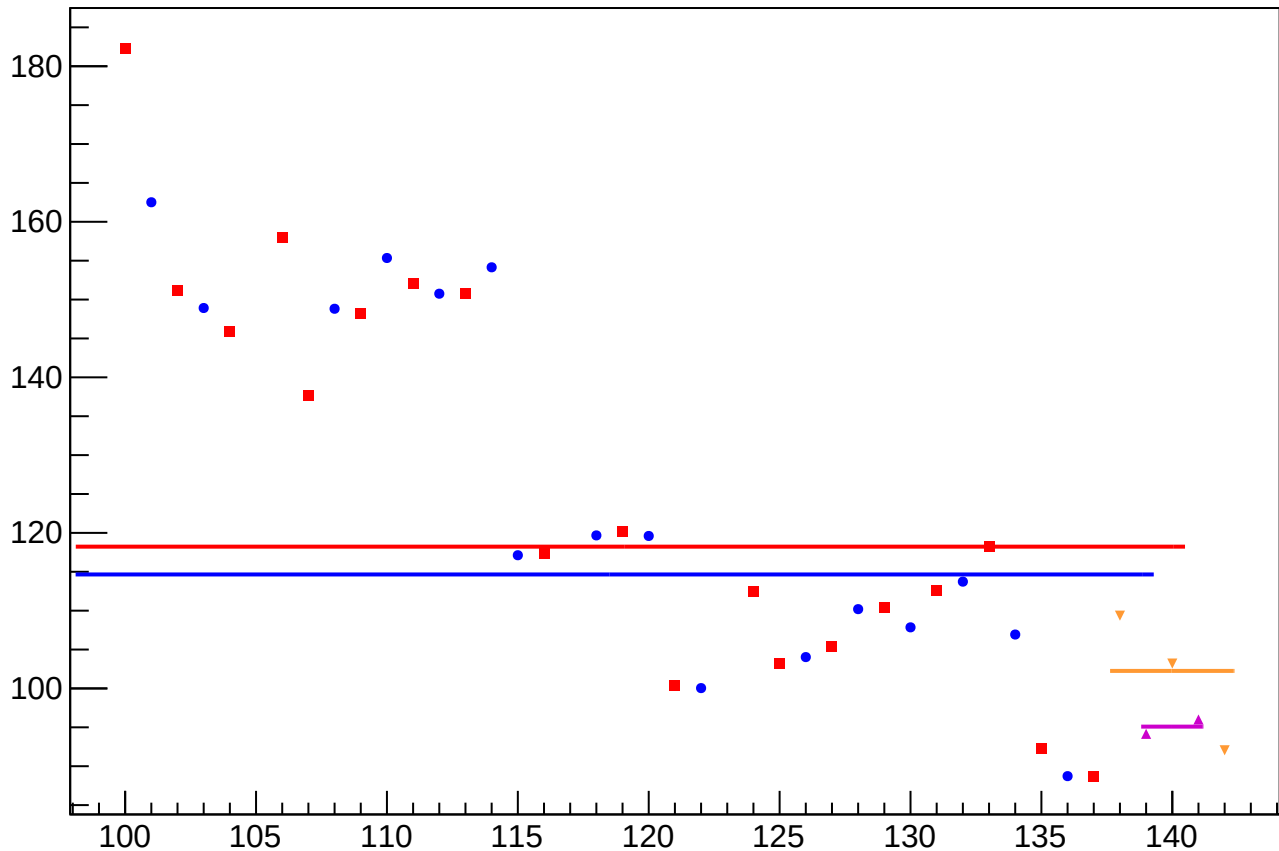
Left In: -95.899 $\pm$ 72.449 χ^2 /NDF: 0.1/1

+ sign 75.431 $\pm$ 37.198 χ^2 /NDF: 15.1/18

All: 25.320 $\pm$ 26.454 χ^2 /NDF: 36.7/39

- sign -25.961 $\pm$ 37.629 χ^2 /NDF: 18.0/20

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: 102.254 $\pm$ 0.051 χ^2 /NDF: 17470.6/2

Right Out: 118.230 $\pm$ 0.031 χ^2 /NDF: 483401.1/18

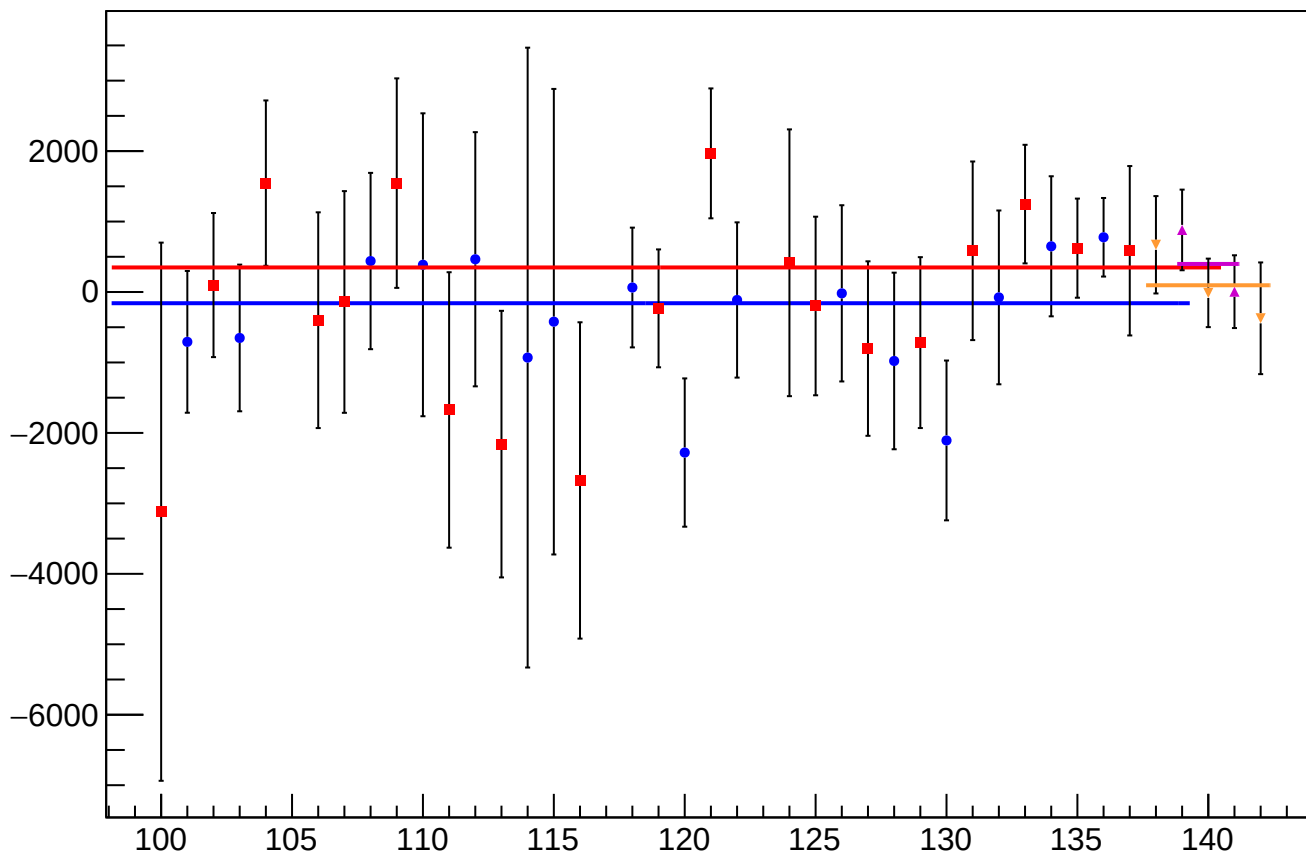
Left In: 95.090 $\pm$ 0.051 χ^2 /NDF: 323.9/1

+ sign 111.318 $\pm$ 0.026 χ^2 /NDF: 593153.3/18

All: 111.649 $\pm$ 0.019 χ^2 /NDF: 1226196.2/39

- sign 111.988 $\pm$ 0.027 χ^2 /NDF: 632722.1/20

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: 95.816 ± 355.389 χ^2/NDF : 1.1/2

Right Out: 348.528 ± 273.595 χ^2/NDF : 14.3/18

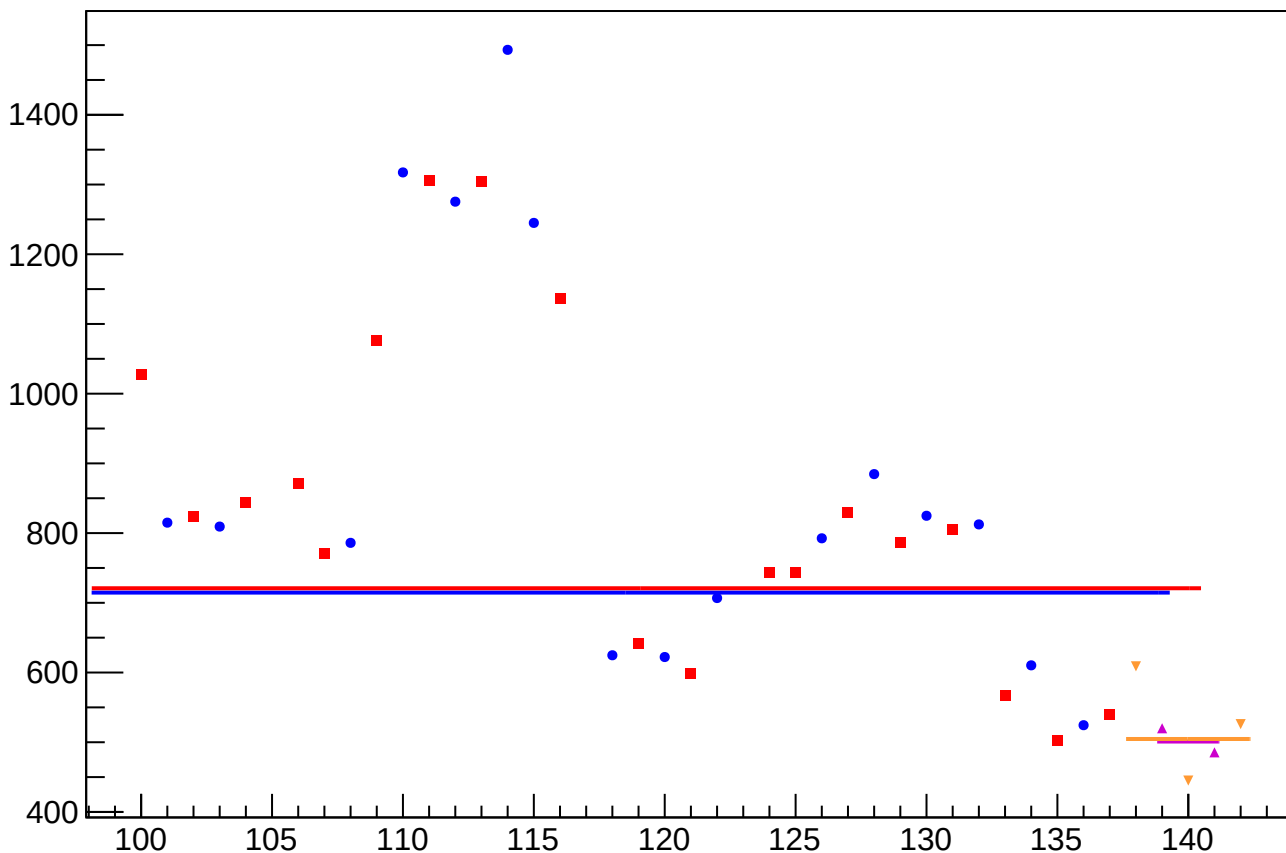
Left In: 398.222 ± 383.437 χ^2/NDF : 1.3/1

+ sign -63.829 ± 217.271 χ^2/NDF : 13.4/18

All: 145.426 ± 155.522 χ^2/NDF : 30.9/39

- sign 365.294 ± 222.713 χ^2/NDF : 15.6/20

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: 504.654 $\pm$ 0.251 χ^2 /NDF: 77055.0/2

Right Out: 720.884 $\pm$ 0.193 χ^2 /NDF: 1018428.9/18

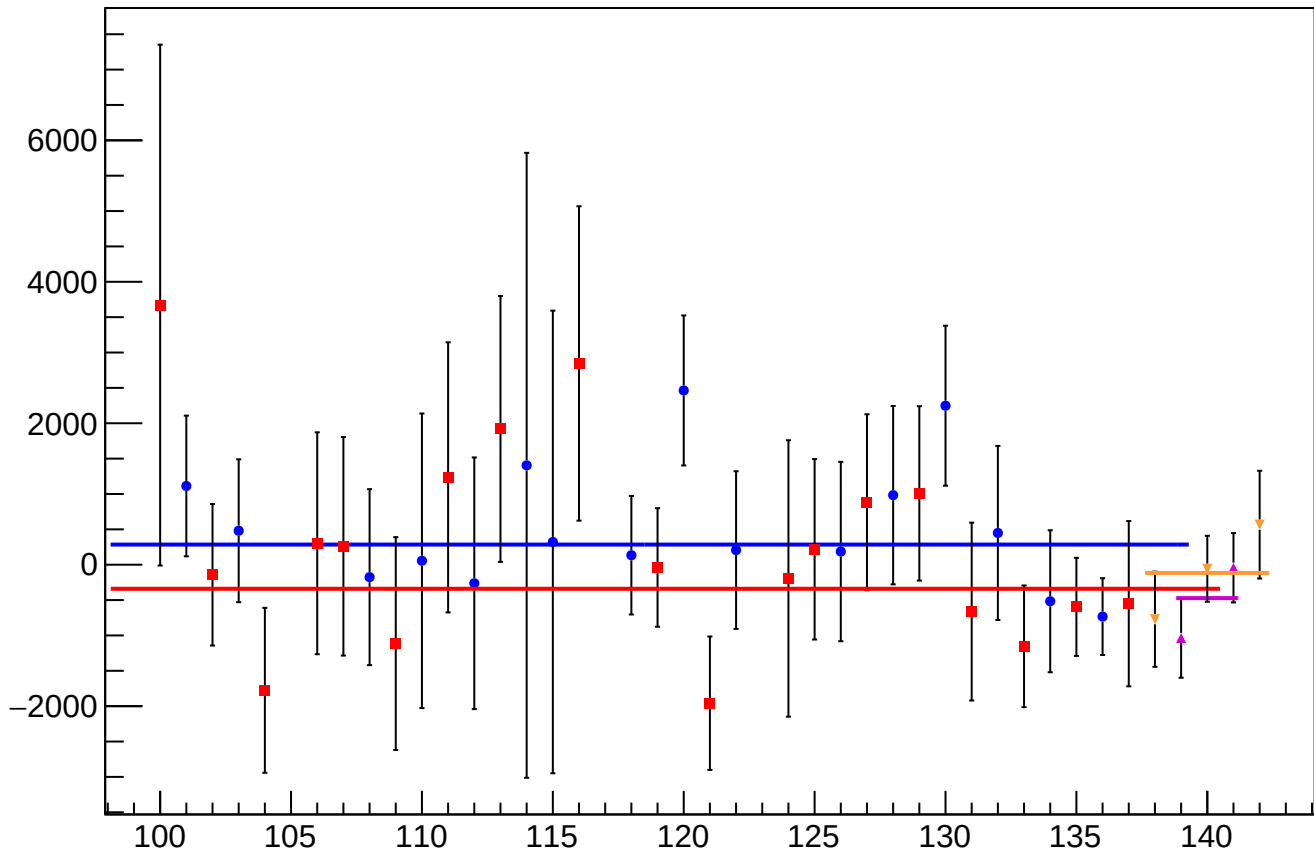
Left In: 501.013 $\pm$ 0.271 χ^2 /NDF: 4012.4/1

+ sign 636.172 $\pm$ 0.154 χ^2 /NDF: 1390634.9/18

All: 641.309 $\pm$ 0.110 χ^2 /NDF: 2851137.3/39

- sign 646.707 $\pm$ 0.157 χ^2 /NDF: 1458209.3/20

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780 $\pm$ 271.944 χ^2 /NDF: 12.8/15

Left Out: -116.011 $\pm$ 342.401 χ^2 /NDF:1.8/2

Right Out: -340.018 $\pm$ 273.601 χ^2 /NDF: 14.1/18

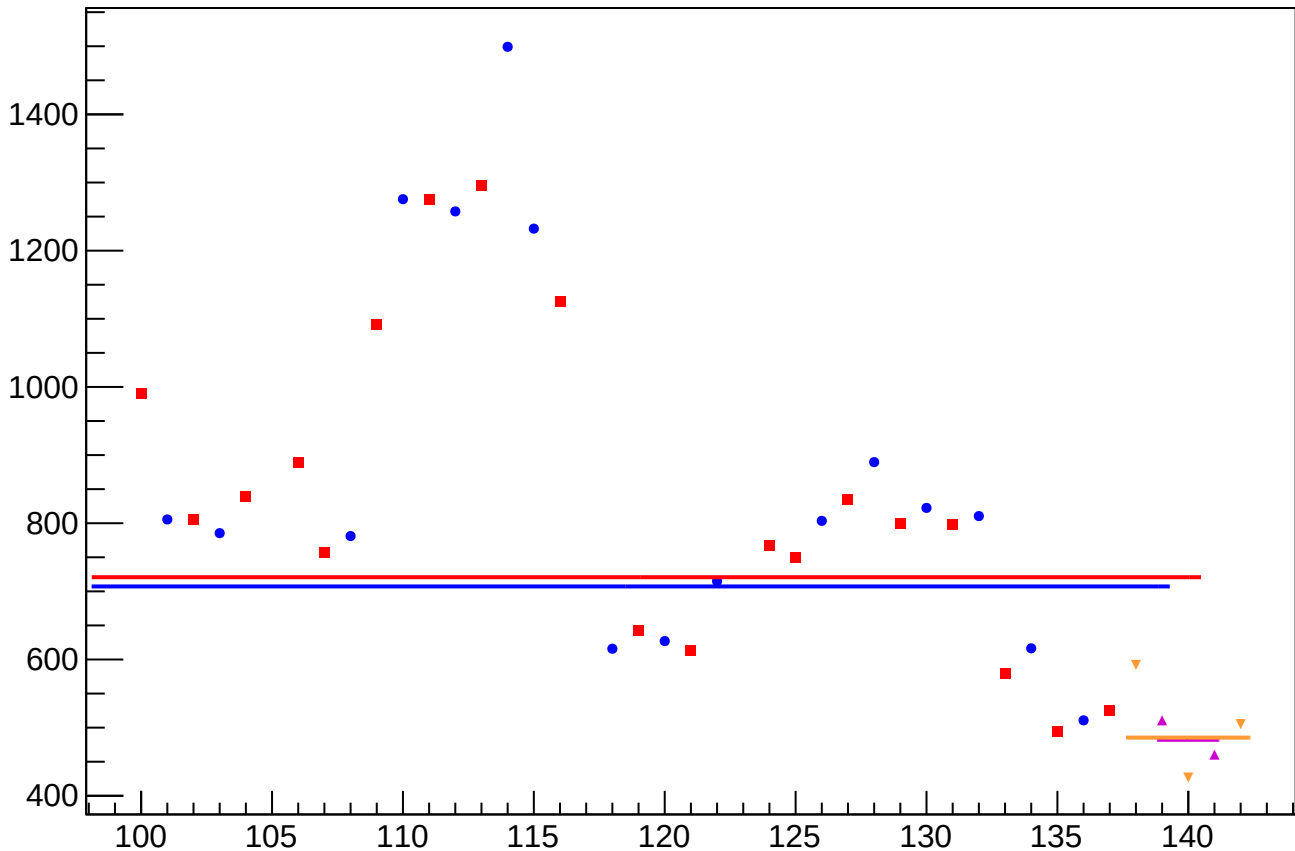
Left In: -472.237 $\pm$ 369.284 χ^2 /NDF:1.8/1

+ sign 129.753 $\pm$ 212.951 χ^2 /NDF: 15.4/18

All: -120.343 $\pm$ 152.956 χ^2 /NDF: 34.2/39

- sign -386.876 $\pm$ 219.838 χ^2 /NDF: 15.9/20

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209 $\pm$ 0.192 χ^2 /NDF: 896689.9/15

Left Out: 485.374 $\pm$ 0.242 χ^2 /NDF: 83239.6/2

Right Out: 720.778 $\pm$ 0.193 χ^2 /NDF: 1015277.9/18

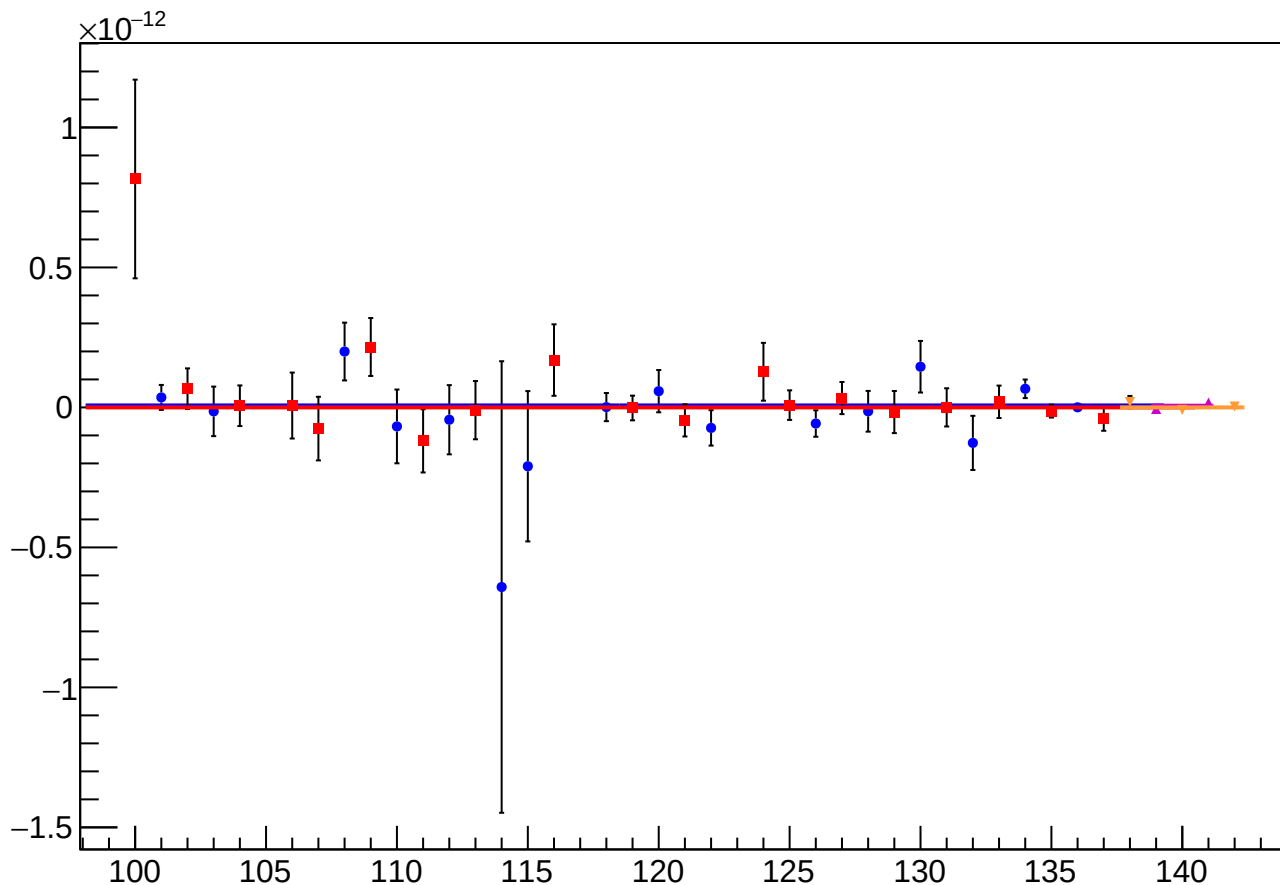
Left In: 482.168 $\pm$ 0.261 χ^2 /NDF: 9113.8/1

+ sign 621.403 $\pm$ 0.151 χ^2 /NDF: 1494707.9/18

All: 628.574 $\pm$ 0.108 χ^2 /NDF: 3062865.4/39

- sign 636.216 $\pm$ 0.155 χ^2 /NDF: 1563472.7/20

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:1.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/18

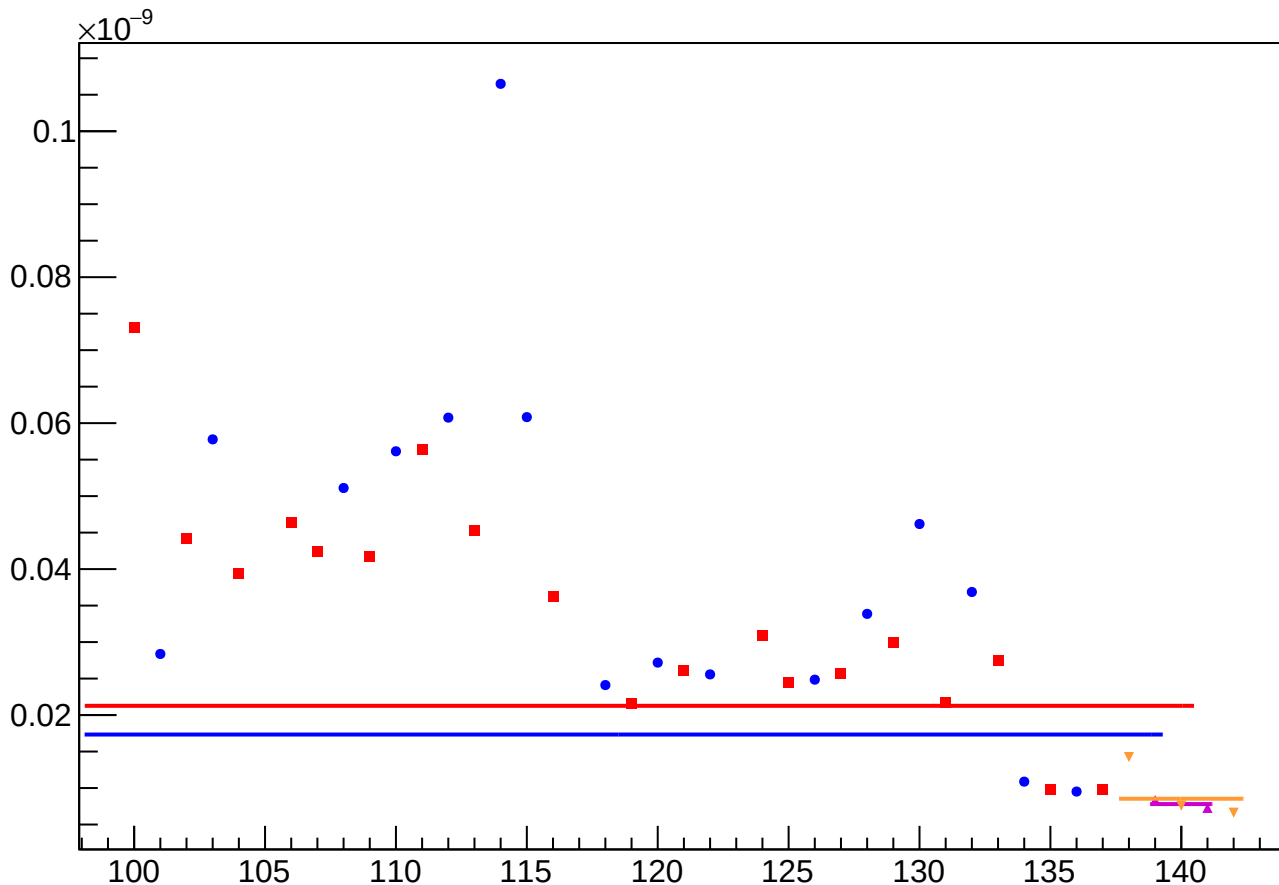
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.3/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.0/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.2/20

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 : 171731.6/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1671050.7/18

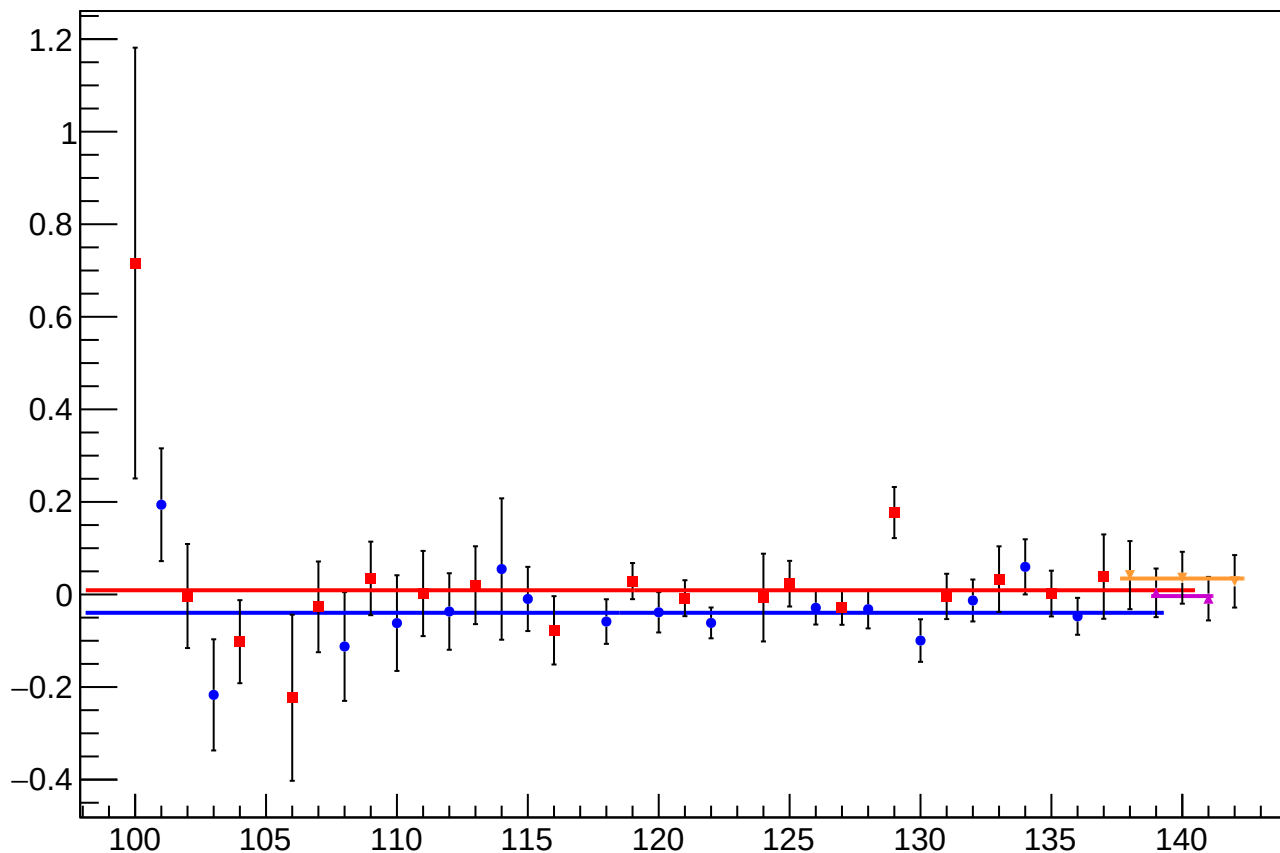
Left In: 0.000+/-0.000 χ^2/NDF : 5613.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 3238904.0/18

All: 0.000+/-0.000 χ^2/NDF : 6210115.5/39

- sign 0.000+/-0.000 χ^2/NDF : 2965653.2/20

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 χ^2/NDF : 12.4/15

Left Out: 0.034 ± 0.035 χ^2/NDF : 0.0/2

Right Out: 0.009 ± 0.014 χ^2/NDF : 18.3/18

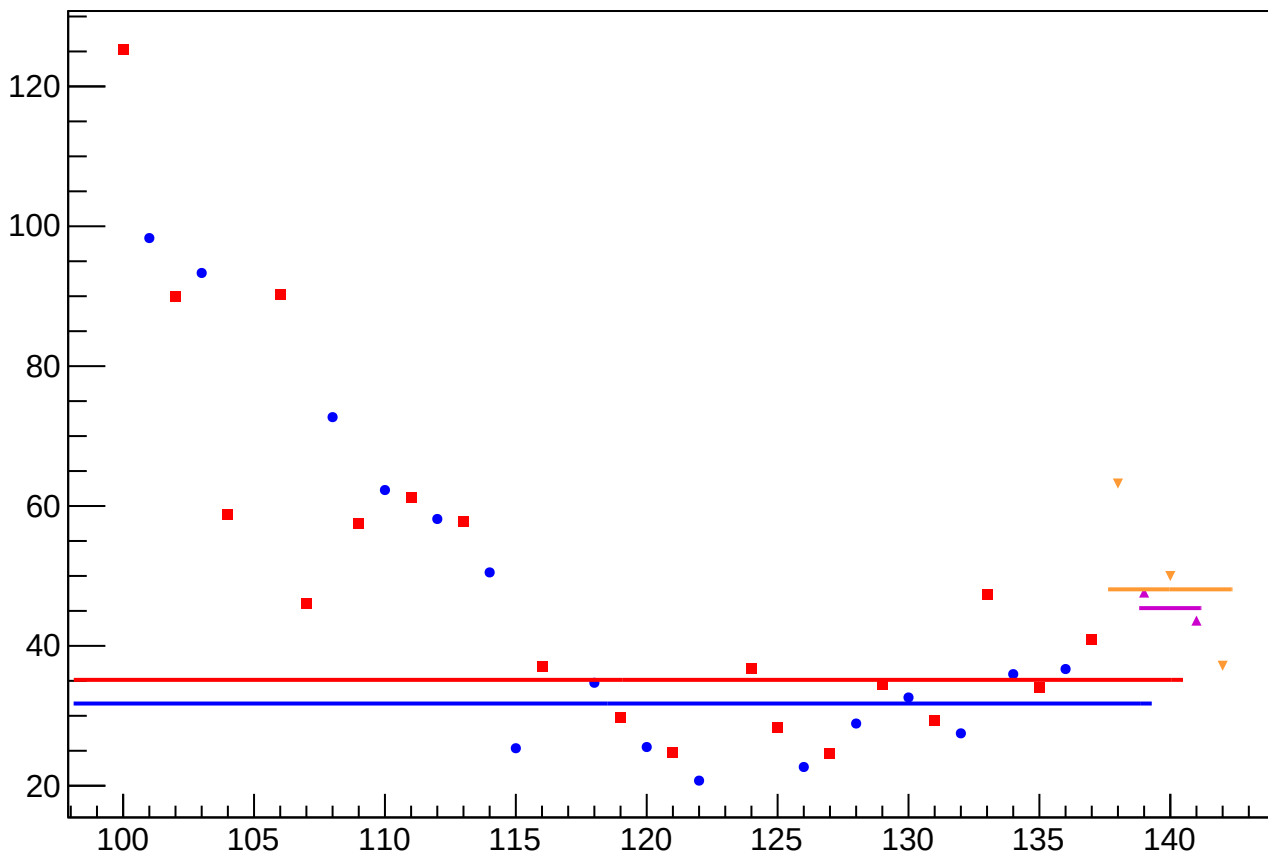
Left In: -0.003 ± 0.035 χ^2/NDF : 0.0/1

+ sign -0.030 ± 0.012 χ^2/NDF : 16.4/18

All: -0.013 ± 0.009 χ^2/NDF : 39.2/39

- sign 0.007 ± 0.013 χ^2/NDF : 18.4/20

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: 48.084+/-0.025 χ^2/NDF : 161127.0/2

Right Out: 35.140+/-0.010 χ^2/NDF : 1844676.3/18

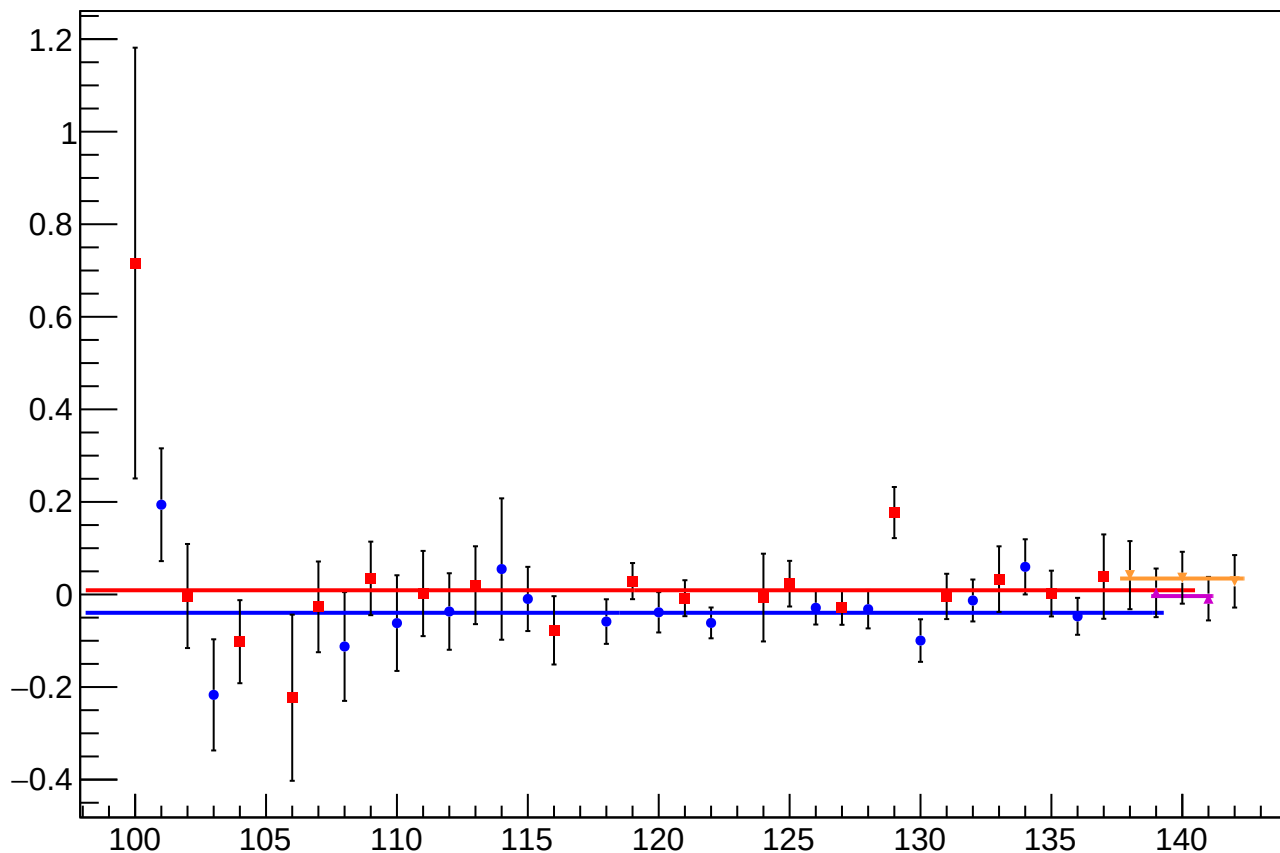
Left In: 45.399+/-0.025 χ^2/NDF : 6480.4/1

+ sign 33.773+/-0.009 χ^2/NDF : 2793929.6/18

All: 35.088+/-0.006 χ^2/NDF : 4841226.4/39

- sign 36.582+/-0.009 χ^2/NDF : 1998646.1/20

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: 0.034 ± 0.035 χ^2/NDF : 0.0/2

Right Out: 0.009 ± 0.014 χ^2/NDF : 18.3/18

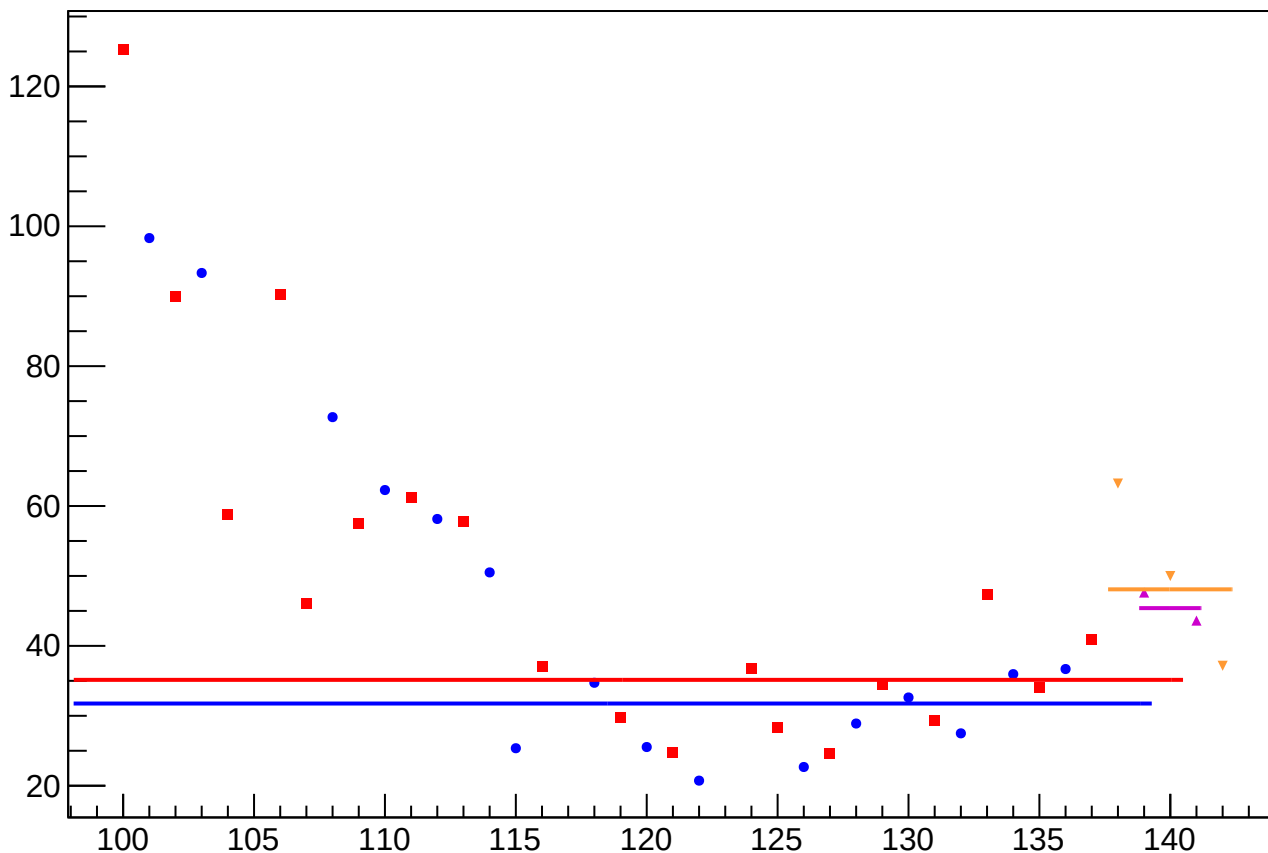
Left In: -0.003 ± 0.035 χ^2/NDF : 0.0/1

+ sign -0.030 ± 0.012 χ^2/NDF : 16.4/18

All: -0.013 ± 0.009 χ^2/NDF : 39.2/39

- sign 0.007 ± 0.013 χ^2/NDF : 18.4/20

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: 48.084+/-0.025 χ^2/NDF : 161127.0/2

Right Out: 35.140+/-0.010 χ^2/NDF : 1844676.3/18

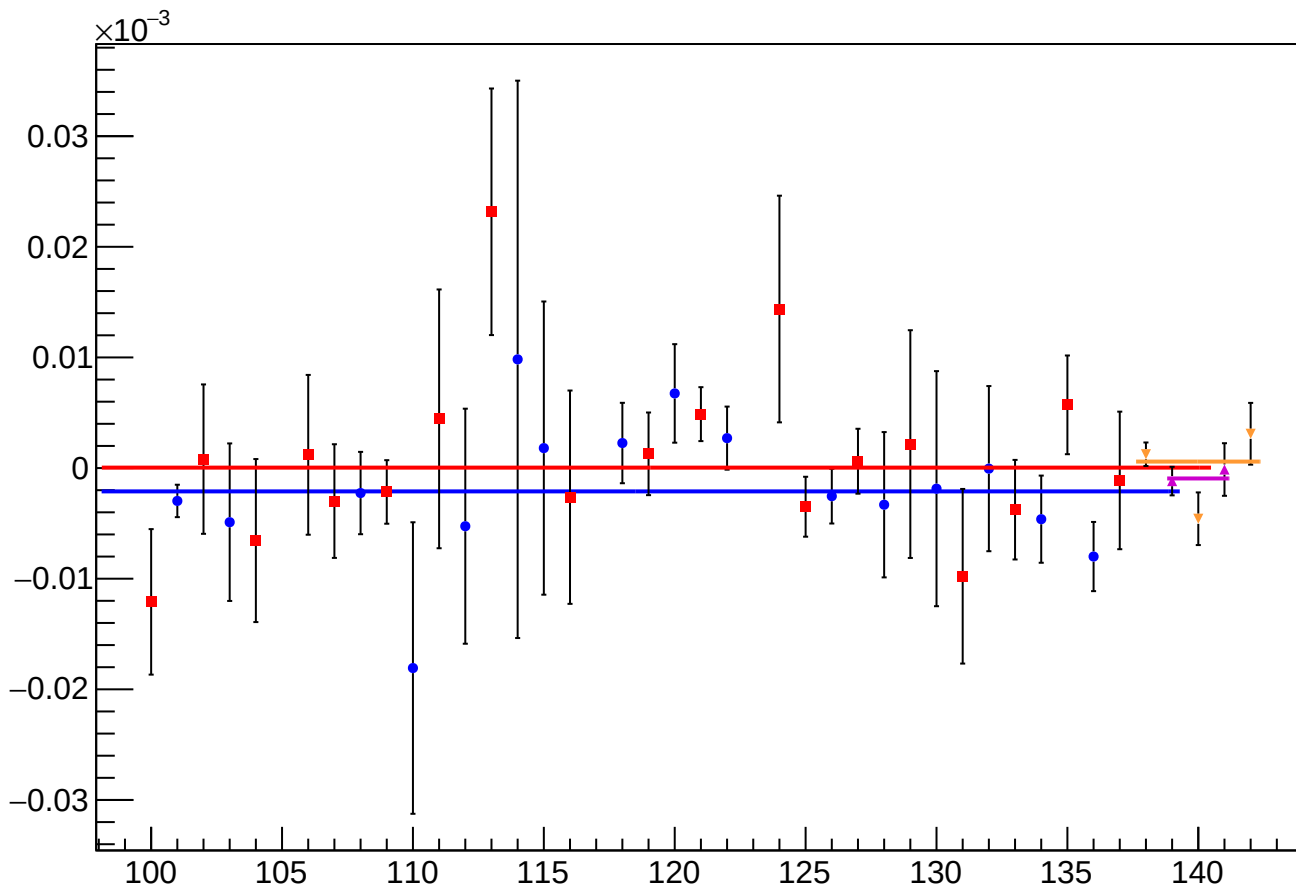
Left In: 45.399+/-0.025 χ^2/NDF : 6480.4/1

+ sign 33.773+/-0.009 χ^2/NDF : 2793929.6/18

All: 35.088+/-0.006 χ^2/NDF : 4841226.4/39

- sign 36.582+/-0.009 χ^2/NDF : 1998646.1/20

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 : 5.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 21.4/18

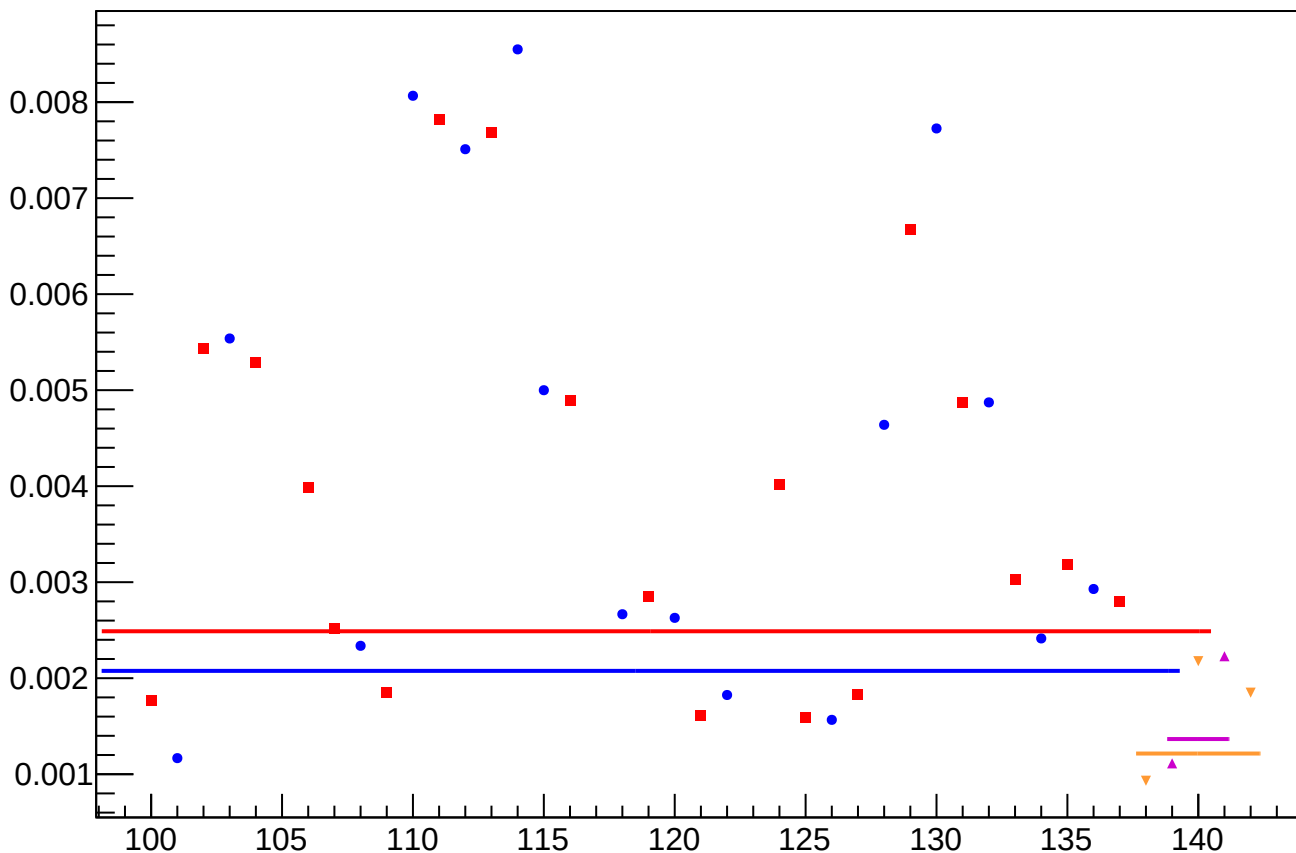
Left In: -0.000+/-0.000 χ^2/NDF : 0.2/1

+ sign -0.000+/-0.000 χ^2/NDF : 25.0/18

All: -0.000+/-0.000 χ^2/NDF : 47.1/39

- sign -0.000+/-0.000 χ^2/NDF : 22.0/20

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 : 572457.2/2

Right Out: 0.002+/-0.000 χ^2/NDF : 3092230.7/18

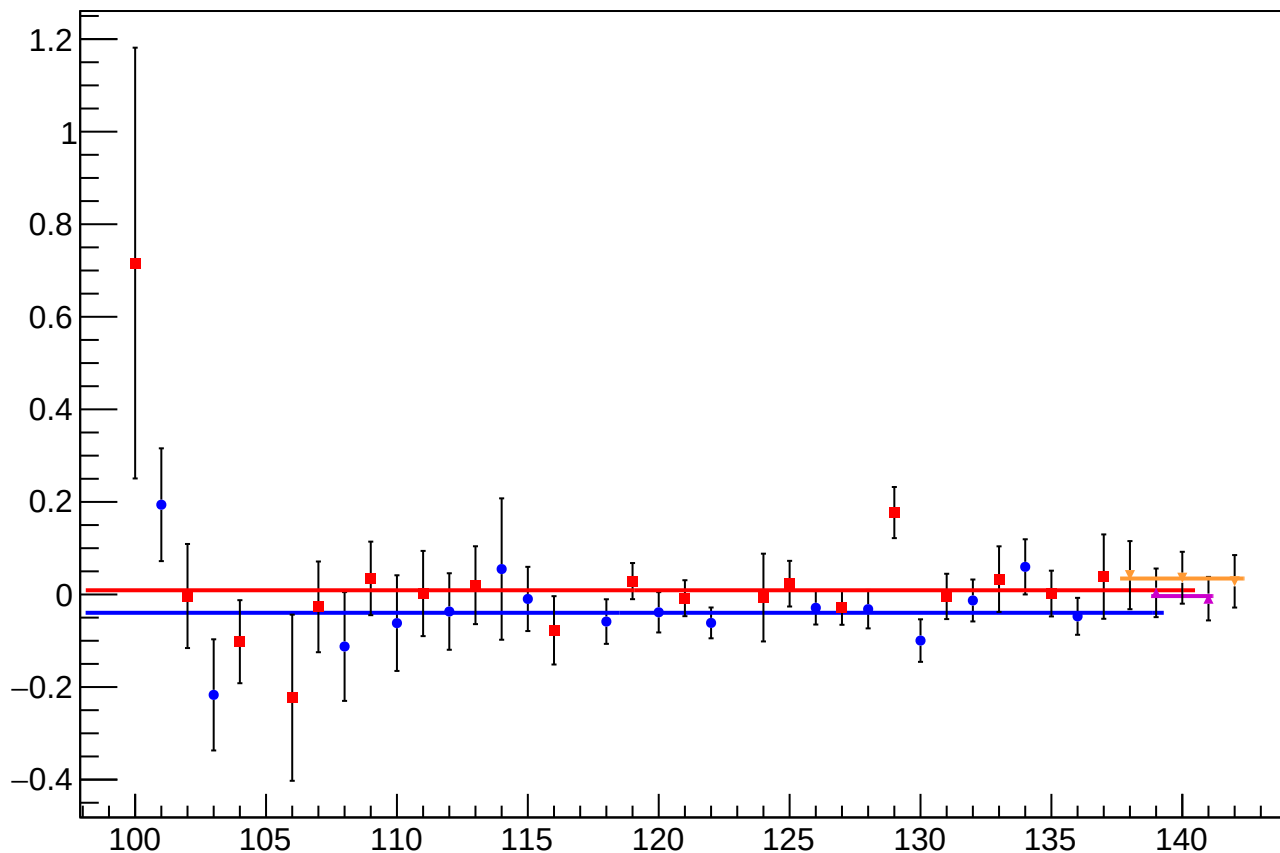
Left In: 0.001+/-0.000 χ^2/NDF : 340688.5/1

+ sign 0.002+/-0.000 χ^2/NDF : 5379245.2/18

All: 0.002+/-0.000 χ^2/NDF : 10086782.1/39

- sign 0.002+/-0.000 χ^2/NDF : 4496902.4/20

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: 0.034 ± 0.035 χ^2/NDF : 0.0/2

Right Out: 0.009 ± 0.014 χ^2/NDF : 18.3/18

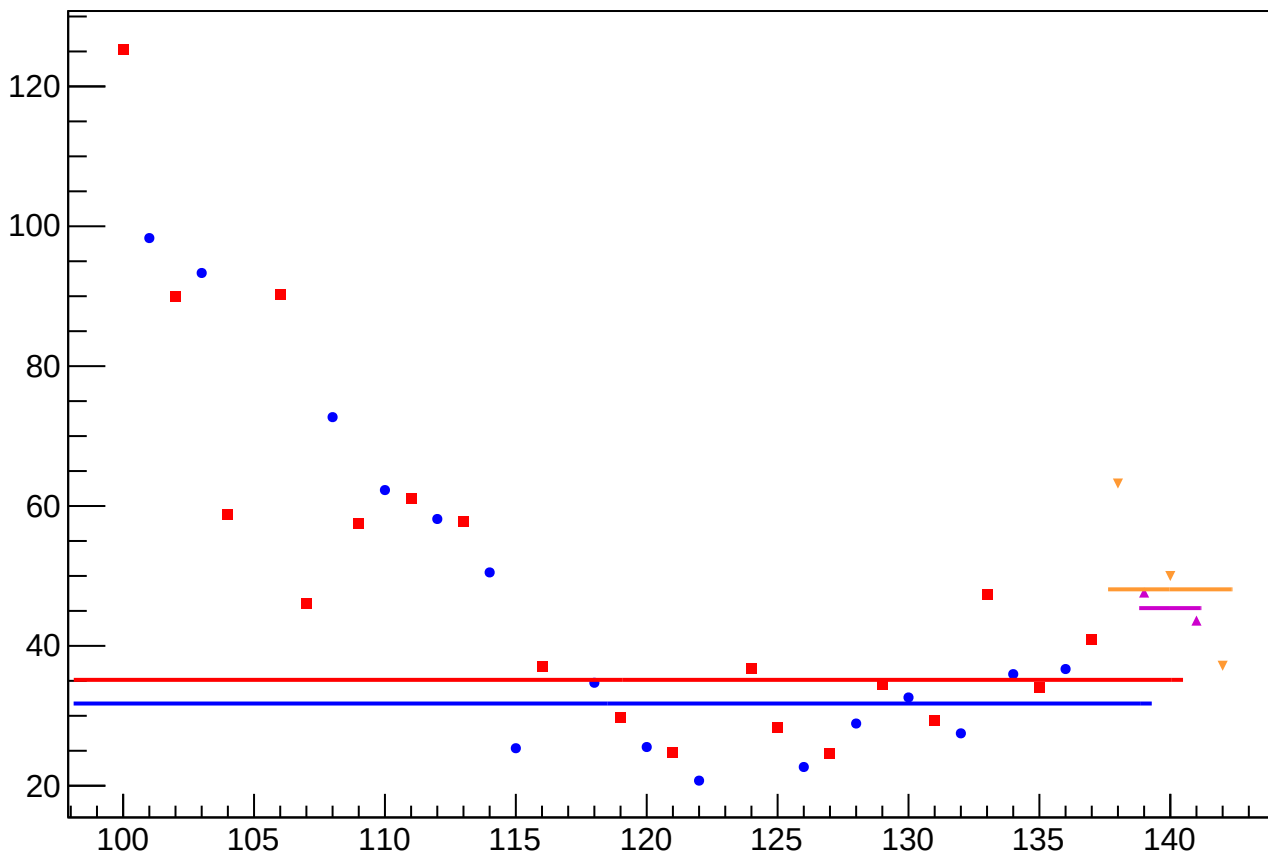
Left In: -0.003 ± 0.035 χ^2/NDF : 0.0/1

+ sign -0.030 ± 0.012 χ^2/NDF : 16.4/18

All: -0.013 ± 0.009 χ^2/NDF : 39.2/39

- sign 0.007 ± 0.013 χ^2/NDF : 18.4/20

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: 48.084 $\pm$ 0.025 χ^2 /NDF: 161118.8/2

Right Out: 35.140 $\pm$ 0.010 χ^2 /NDF: 1844572.3/18

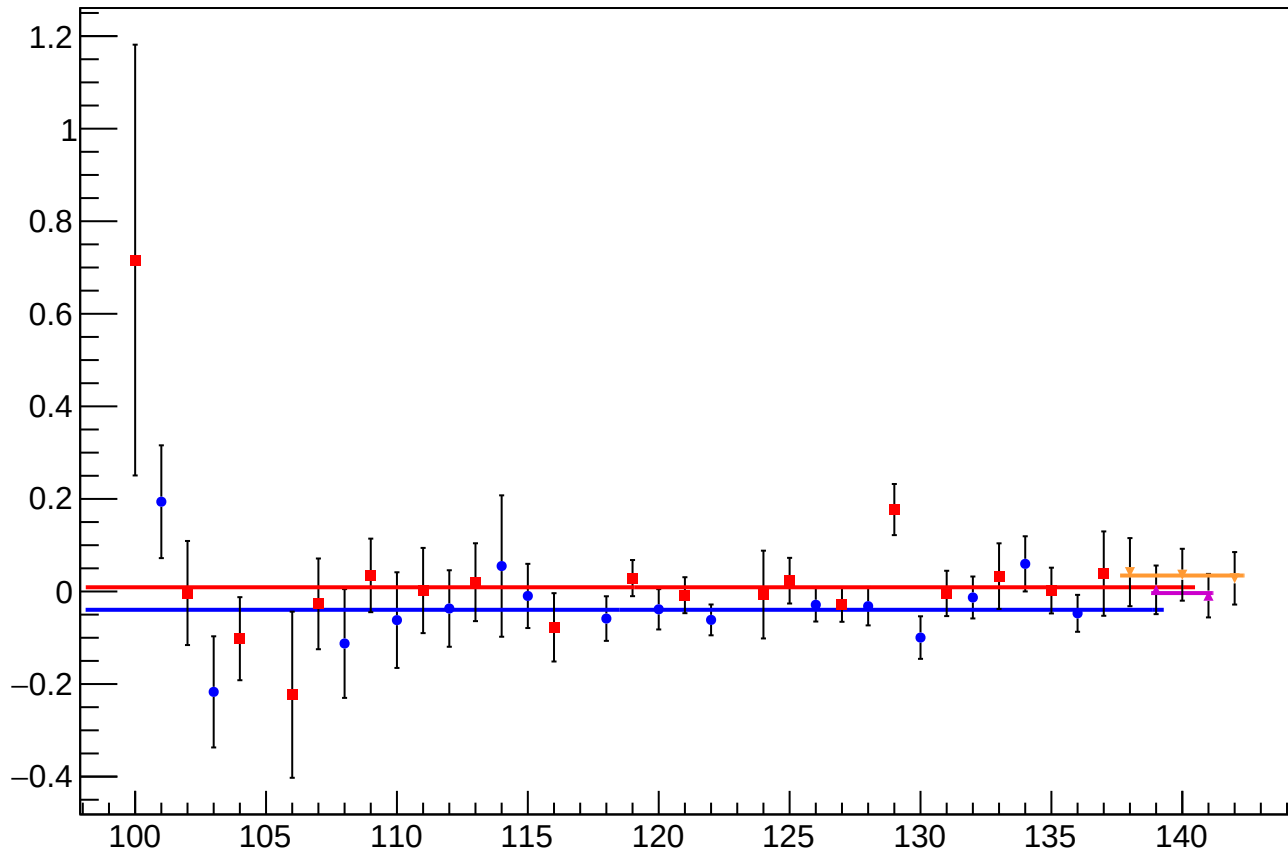
Left In: 45.399 $\pm$ 0.025 χ^2 /NDF: 6478.5/1

+ sign 33.774 $\pm$ 0.009 χ^2 /NDF: 2793891.4/18

All: 35.089 $\pm$ 0.006 χ^2 /NDF: 4841078.4/39

- sign 36.583 $\pm$ 0.009 χ^2 /NDF: 1998534.3/20

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 χ^2/NDF : 12.4/15

Left Out: 0.034 ± 0.035 χ^2/NDF : 0.0/2

Right Out: 0.009 ± 0.014 χ^2/NDF : 18.3/18

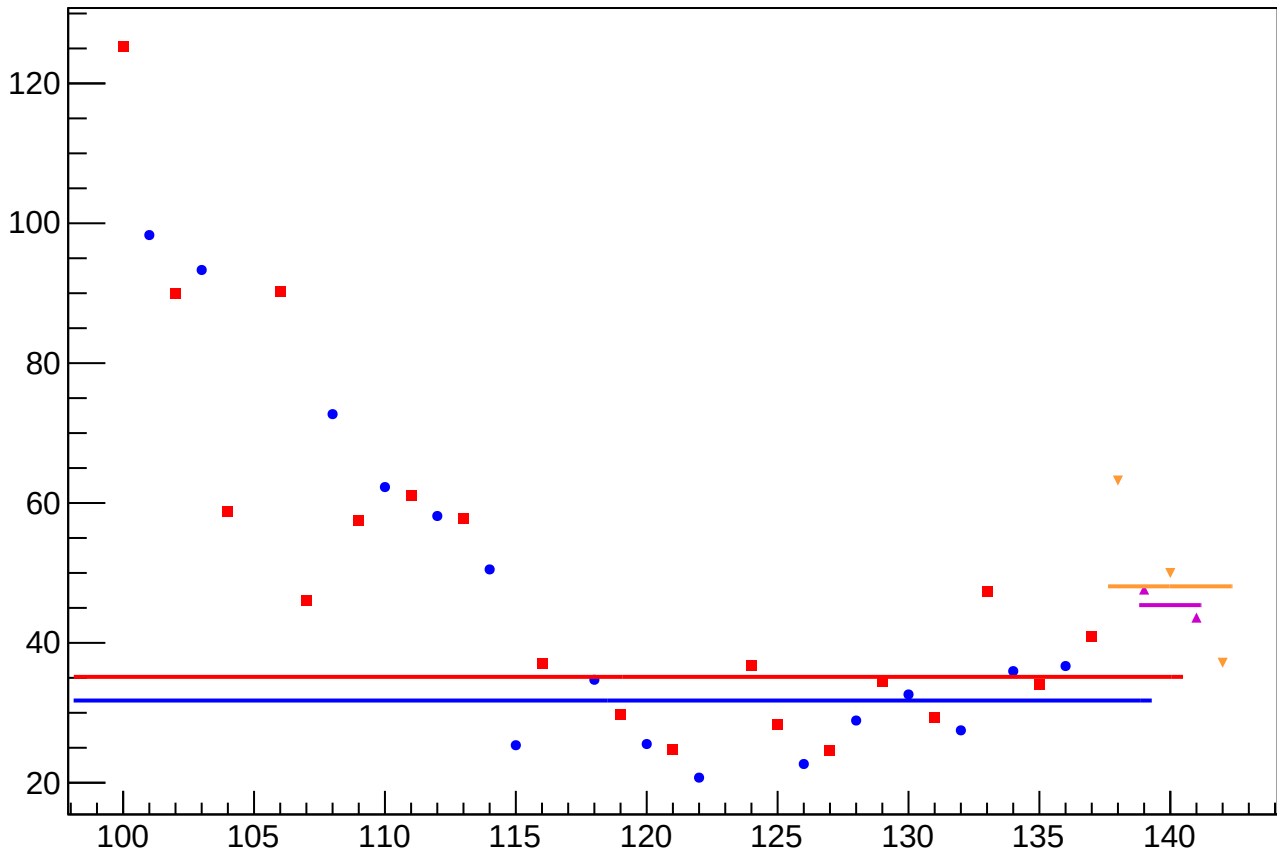
Left In: -0.003 ± 0.035 χ^2/NDF : 0.0/1

+ sign -0.030 ± 0.012 χ^2/NDF : 16.4/18

All: -0.013 ± 0.009 χ^2/NDF : 39.2/39

- sign 0.007 ± 0.013 χ^2/NDF : 18.4/20

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: 48.084 $\pm$ 0.025 χ^2 /NDF: 161118.8/2

Right Out: 35.140 $\pm$ 0.010 χ^2 /NDF: 1844572.3/18

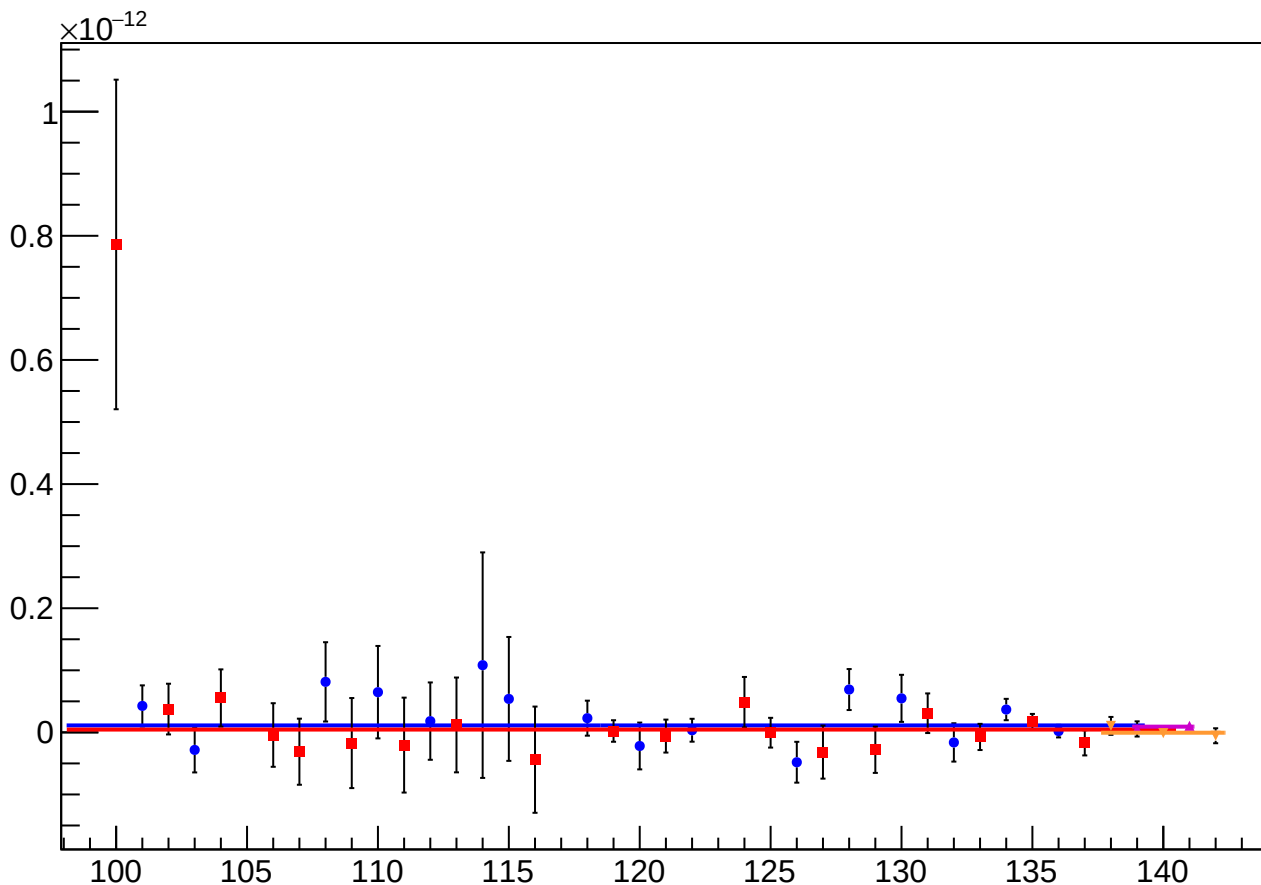
Left In: 45.399 $\pm$ 0.025 χ^2 /NDF: 6478.5/1

+ sign 33.774 $\pm$ 0.009 χ^2 /NDF: 2793891.4/18

All: 35.089 $\pm$ 0.006 χ^2 /NDF: 4841078.4/39

- sign 36.583 $\pm$ 0.009 χ^2 /NDF: 1998534.3/20

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:0.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/18

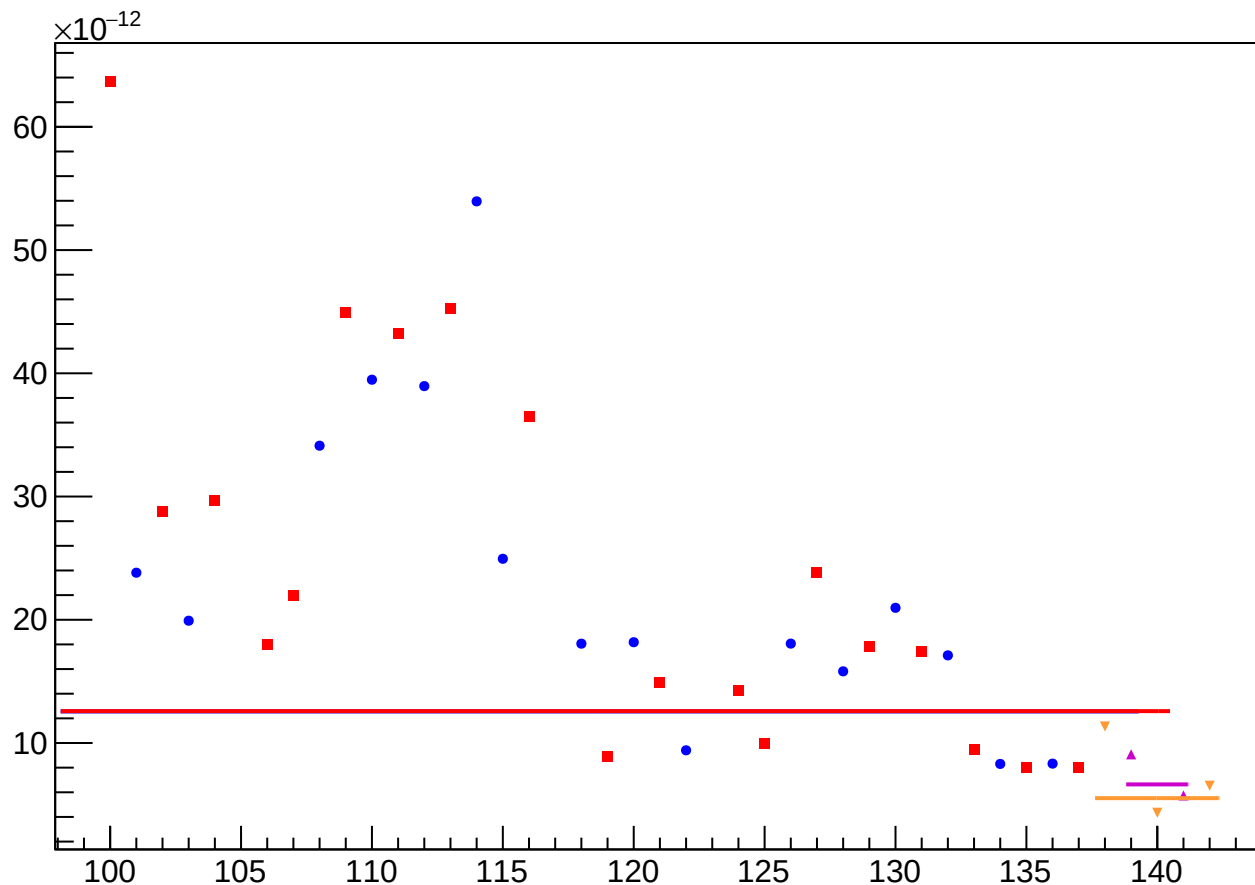
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37.9/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/20

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:422398.0/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2747891.7/18

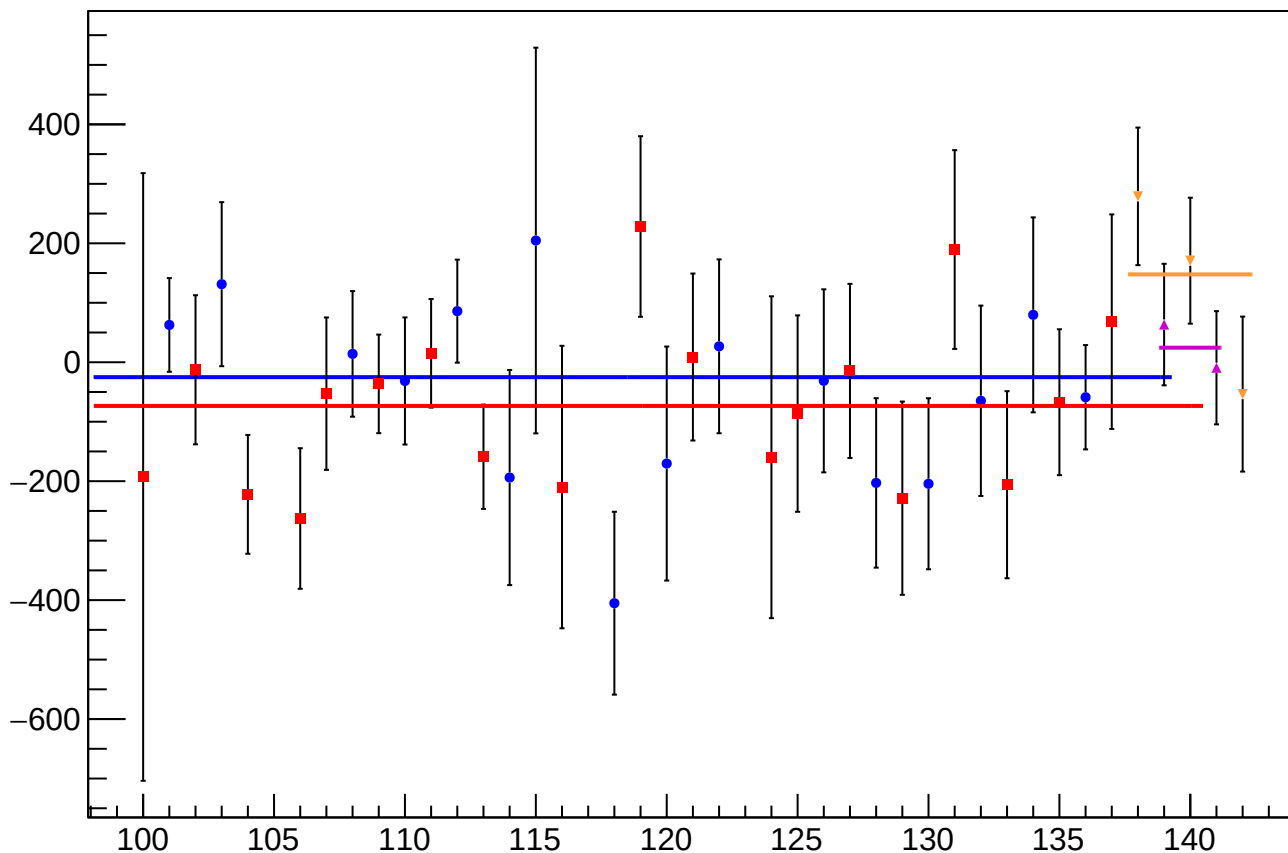
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:108788.8/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4090992.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7885300.9/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3694170.5/20

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072 ± 31.230 χ^2/NDF : 16.2/15

Left Out: 147.755 ± 66.999 χ^2/NDF : 3.7/2

Right Out: -73.458 ± 29.935 χ^2/NDF : 16.8/18

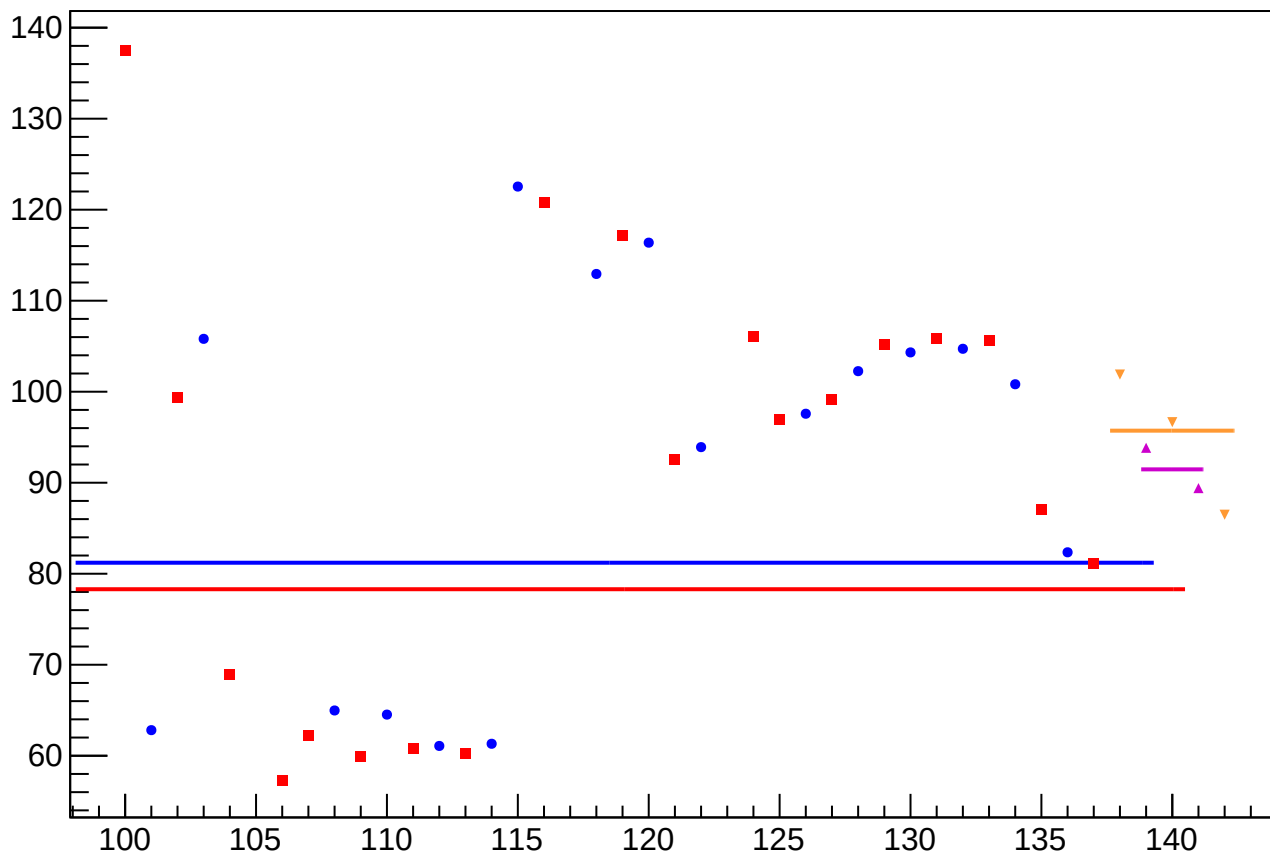
Left In: 24.497 ± 69.657 χ^2/NDF : 0.3/1

+ sign 5.775 ± 28.306 χ^2/NDF : 25.4/18

All: -27.126 ± 19.725 χ^2/NDF : 46.7/39

- sign -58.187 ± 27.503 χ^2/NDF : 18.7/20

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 $\pm$ 0.022 χ^2 /NDF: 787676.9/15

Left Out: 95.720 $\pm$ 0.047 χ^2 /NDF:15885.4/2

Right Out: 78.298 $\pm$ 0.021 χ^2 /NDF: 934673.9/18

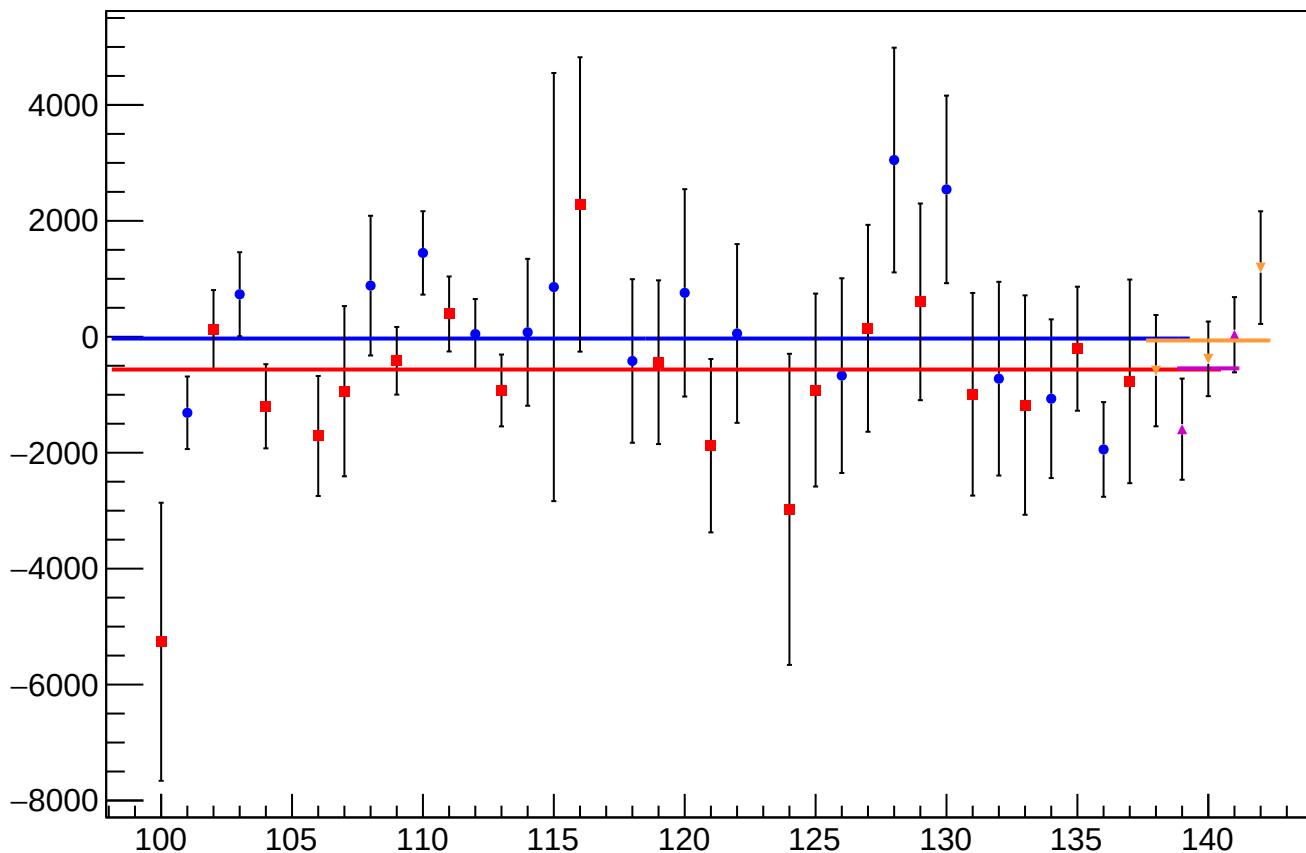
Left In: 91.467 $\pm$ 0.049 χ^2 /NDF:2013.3/1

+ sign 83.800 $\pm$ 0.020 χ^2 /NDF: 880632.1/18

All: 82.026 $\pm$ 0.014 χ^2 /NDF: 1892935.3/39

- sign 80.351 $\pm$ 0.019 χ^2 /NDF: 997032.3/20

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -30.407 ± 256.999 χ^2/NDF : 21.9/15

Left Out: -63.520 ± 468.523 χ^2/NDF : 2.2/2

Right Out: -564.890 ± 238.492 χ^2/NDF : 13.3/18

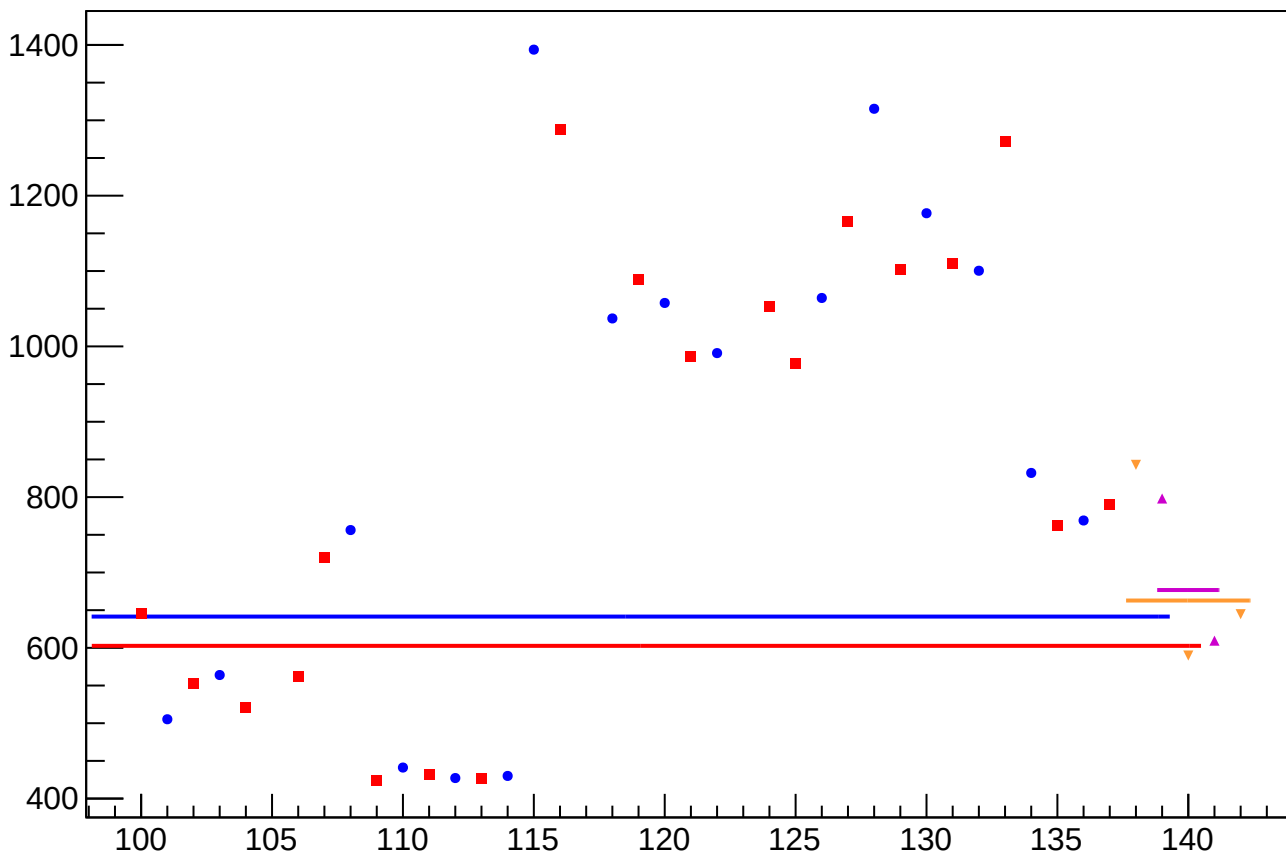
Left In: -545.092 ± 520.818 χ^2/NDF : 2.2/1

+ sign -38.066 ± 225.326 χ^2/NDF : 24.1/18

All: -309.805 ± 156.243 χ^2/NDF : 42.4/39

- sign -561.458 ± 216.839 χ^2/NDF : 15.5/20

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF : 1874990.8/15

Left Out: 662.798+/-0.331 χ^2/NDF : 96723.5/2

Right Out: 602.654+/-0.169 χ^2/NDF : 2070307.7/18

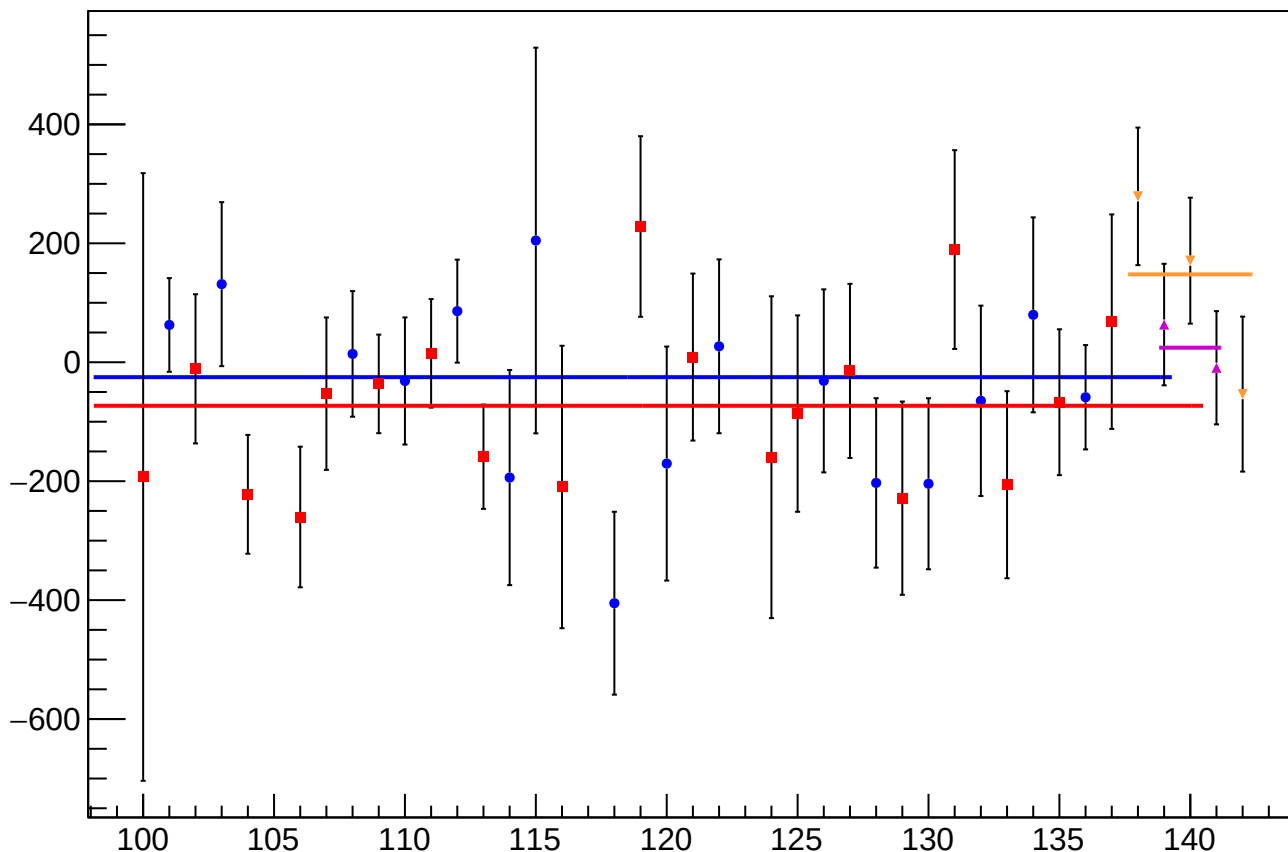
Left In: 676.735+/-0.368 χ^2/NDF : 60167.3/1

+ sign 646.425+/-0.159 χ^2/NDF : 1974891.8/18

All: 630.366+/-0.110 χ^2/NDF : 4158382.7/39

- sign 615.495+/-0.153 χ^2/NDF : 2163925.3/20

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075 ± 31.230 $\chi^2/\text{NDF}: 16.2/15$

Left Out: 147.762 ± 66.999 $\chi^2/\text{NDF}: 3.7/2$

Right Out: -73.193 ± 29.937 $\chi^2/\text{NDF}: 16.7/18$

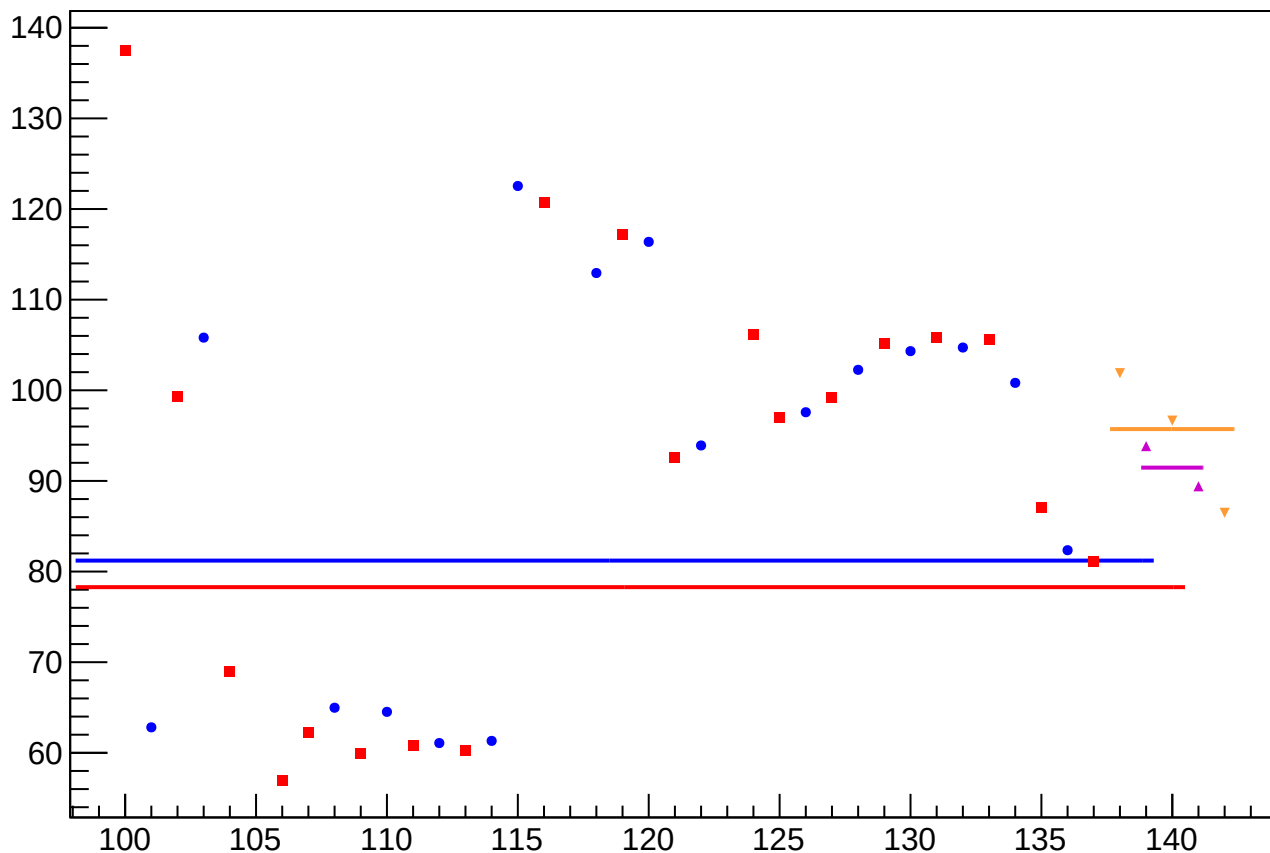
Left In: 24.489 ± 69.657 $\chi^2/\text{NDF}: 0.3/1$

+ sign 5.774 ± 28.306 $\chi^2/\text{NDF}: 25.4/18$

All: -27.010 ± 19.726 $\chi^2/\text{NDF}: 46.7/39$

- sign -57.963 ± 27.504 $\chi^2/\text{NDF}: 18.7/20$

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 $\pm$ 0.022 χ^2 /NDF: 787679.3/15

Left Out: 95.720 $\pm$ 0.047 χ^2 /NDF:15885.4/2

Right Out: 78.279 $\pm$ 0.021 χ^2 /NDF: 936812.2/18

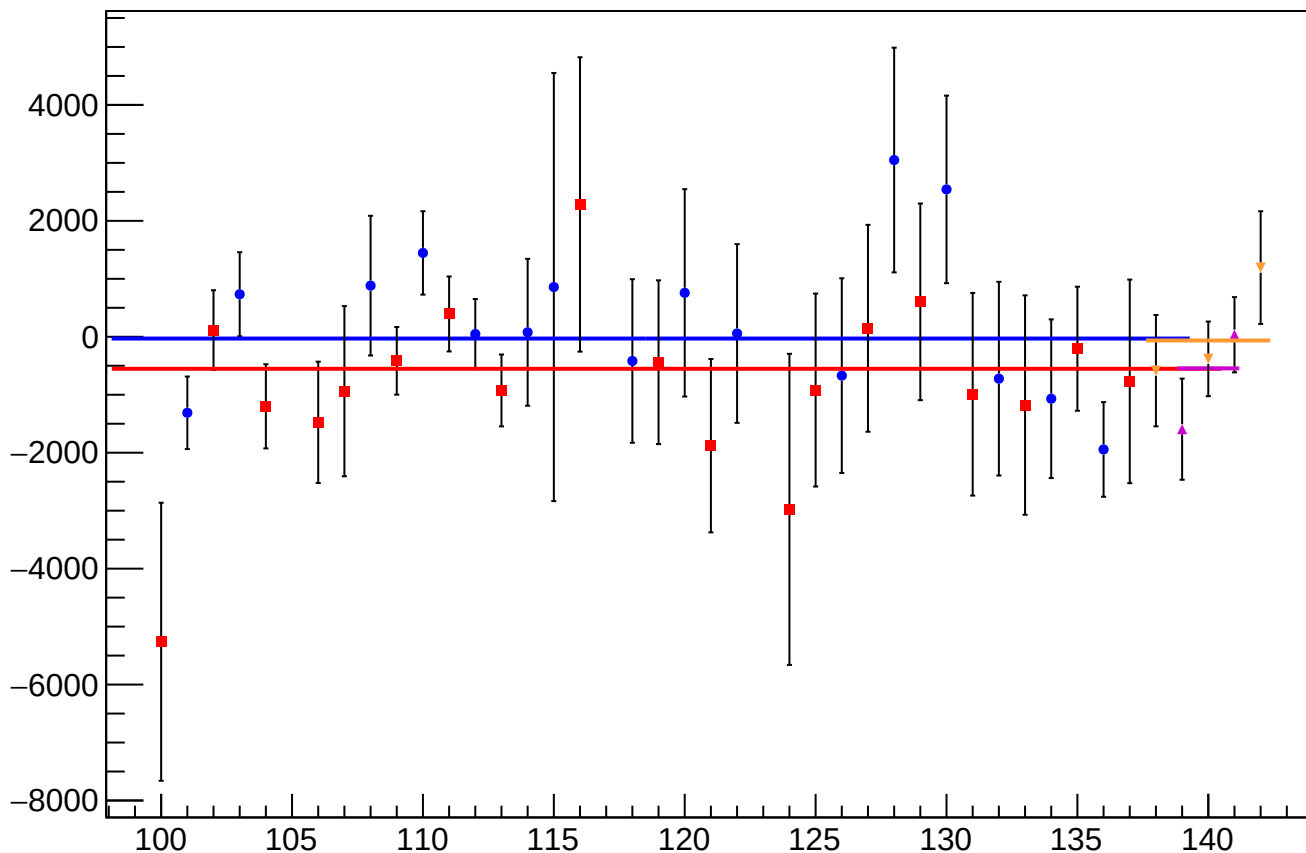
Left In: 91.467 $\pm$ 0.049 χ^2 /NDF:2013.3/1

+ sign 83.800 $\pm$ 0.020 χ^2 /NDF: 880634.2/18

All: 82.018 $\pm$ 0.014 χ^2 /NDF: 1895382.8/39

- sign 80.335 $\pm$ 0.019 χ^2 /NDF: 999340.5/20

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434 ± 257.002 χ^2/NDF : 21.9/15

Left Out: -63.513 ± 468.523 χ^2/NDF : 2.2/2

Right Out: -551.948 ± 238.640 χ^2/NDF : 12.8/18

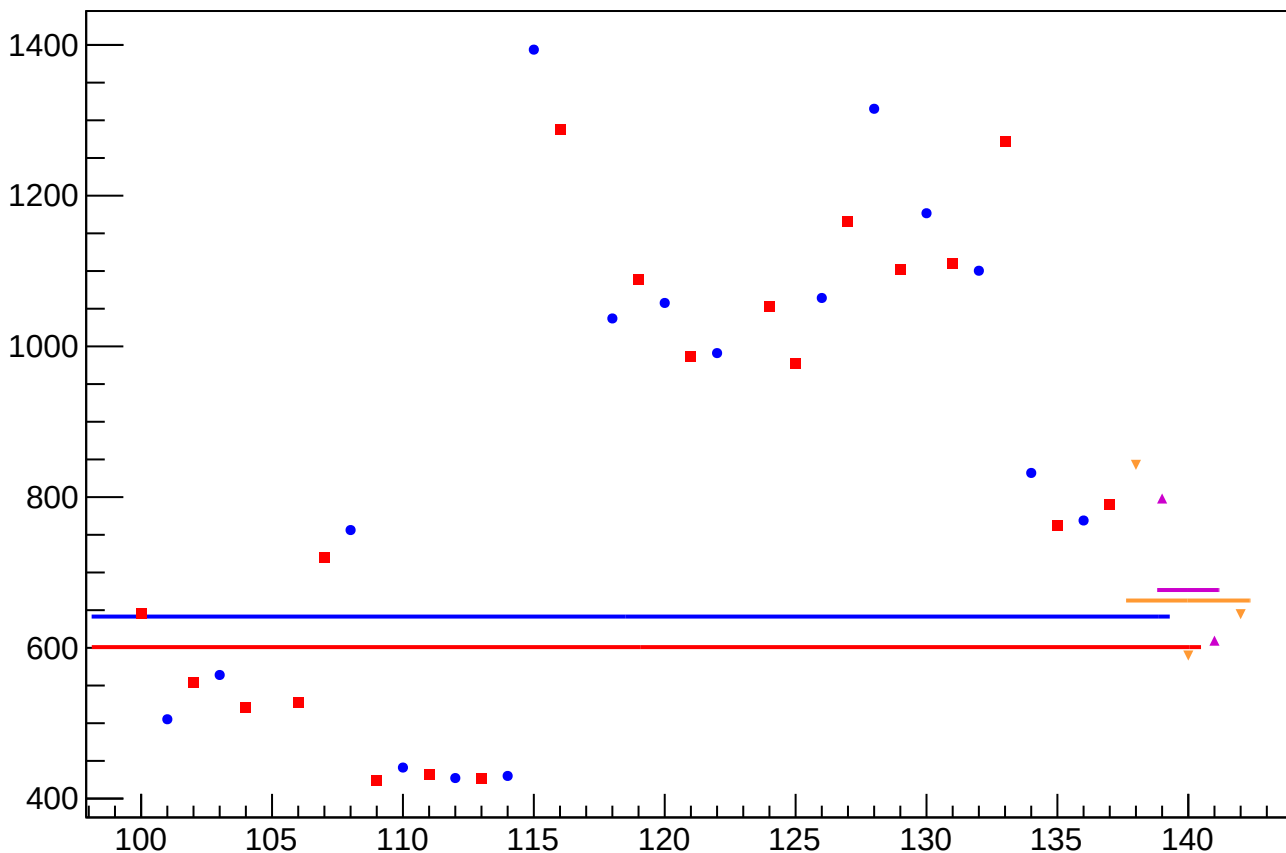
Left In: -545.114 ± 520.818 χ^2/NDF : 2.2/1

+ sign -38.085 ± 225.329 χ^2/NDF : 24.1/18

All: -304.132 ± 156.285 χ^2/NDF : 41.8/39

- sign -550.762 ± 216.950 χ^2/NDF : 15.1/20

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF : 1874950.0/15

Left Out: 662.798+/-0.331 χ^2/NDF : 96723.7/2

Right Out: 600.975+/-0.169 χ^2/NDF : 2077232.5/18

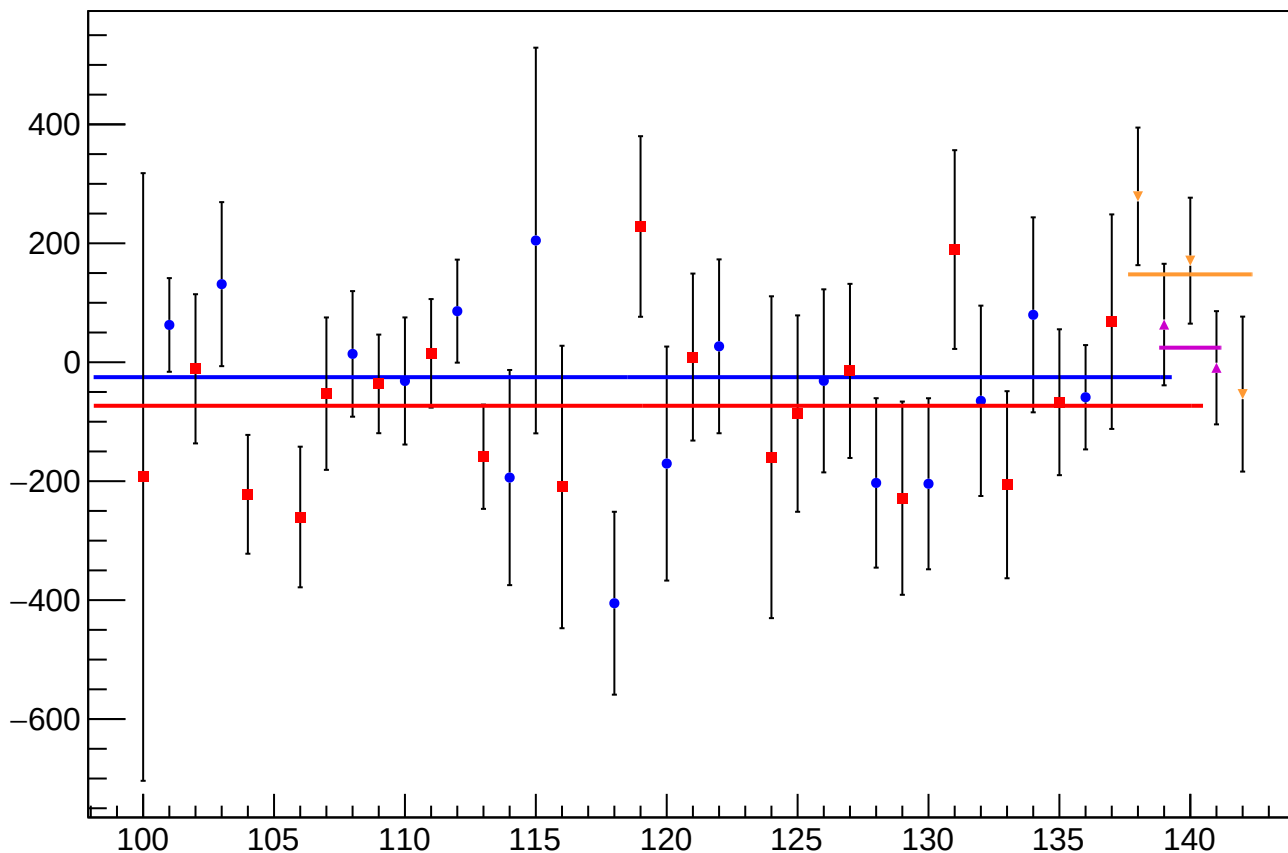
Left In: 676.735+/-0.368 χ^2/NDF : 60166.1/1

+ sign 646.432+/-0.159 χ^2/NDF : 1974848.3/18

All: 629.665+/-0.111 χ^2/NDF : 4168563.4/39

- sign 614.121+/-0.153 χ^2/NDF : 2172374.6/20

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075 ± 31.230 $\chi^2/\text{NDF}: 16.2/15$

Left Out: 147.762 ± 66.999 $\chi^2/\text{NDF}: 3.7/2$

Right Out: -73.193 ± 29.937 $\chi^2/\text{NDF}: 16.7/18$

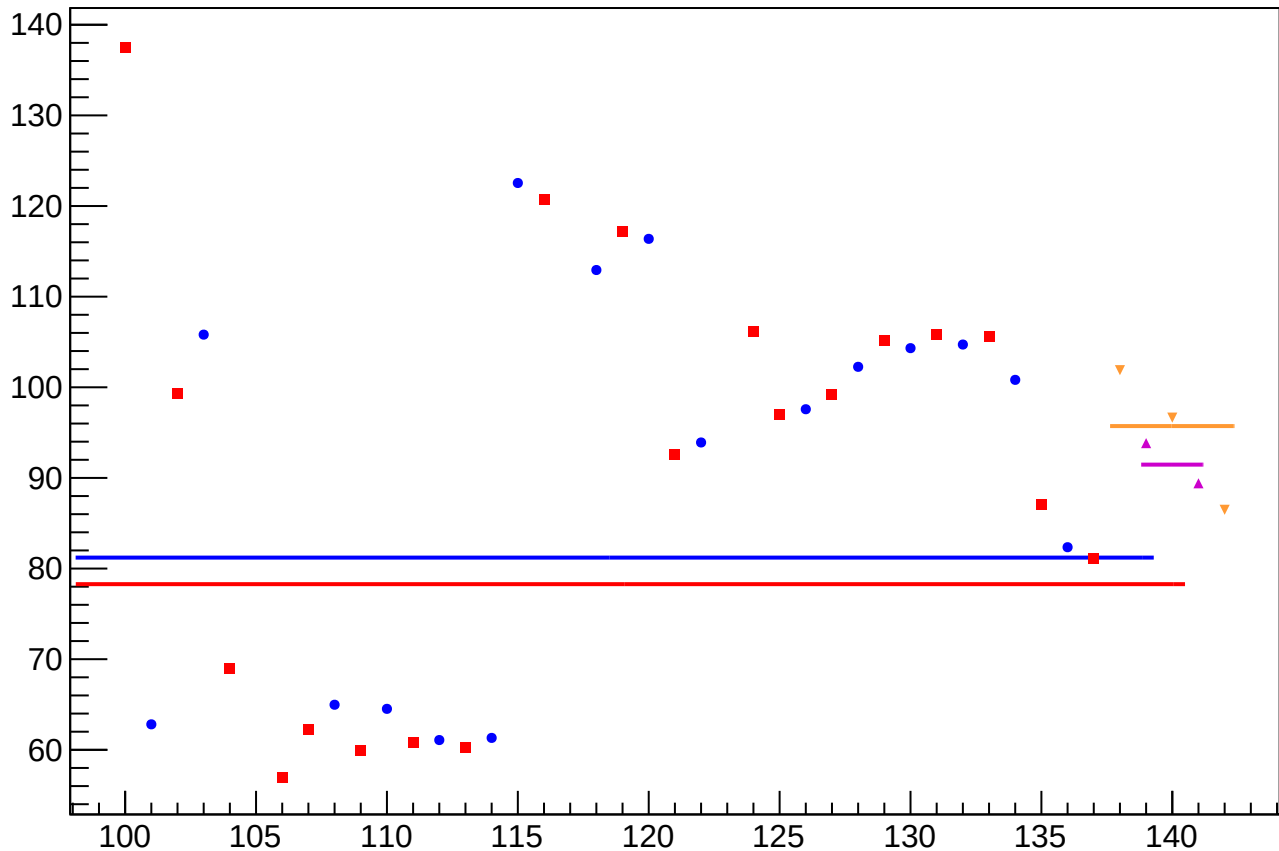
Left In: 24.489 ± 69.657 $\chi^2/\text{NDF}: 0.3/1$

+ sign 5.774 ± 28.306 $\chi^2/\text{NDF}: 25.4/18$

All: -27.010 ± 19.726 $\chi^2/\text{NDF}: 46.7/39$

- sign -57.963 ± 27.504 $\chi^2/\text{NDF}: 18.7/20$

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 $\pm$ 0.022 χ^2 /NDF: 787679.3/15

Left Out: 95.720 $\pm$ 0.047 χ^2 /NDF: 15885.4/2

Right Out: 78.279 $\pm$ 0.021 χ^2 /NDF: 936812.2/18

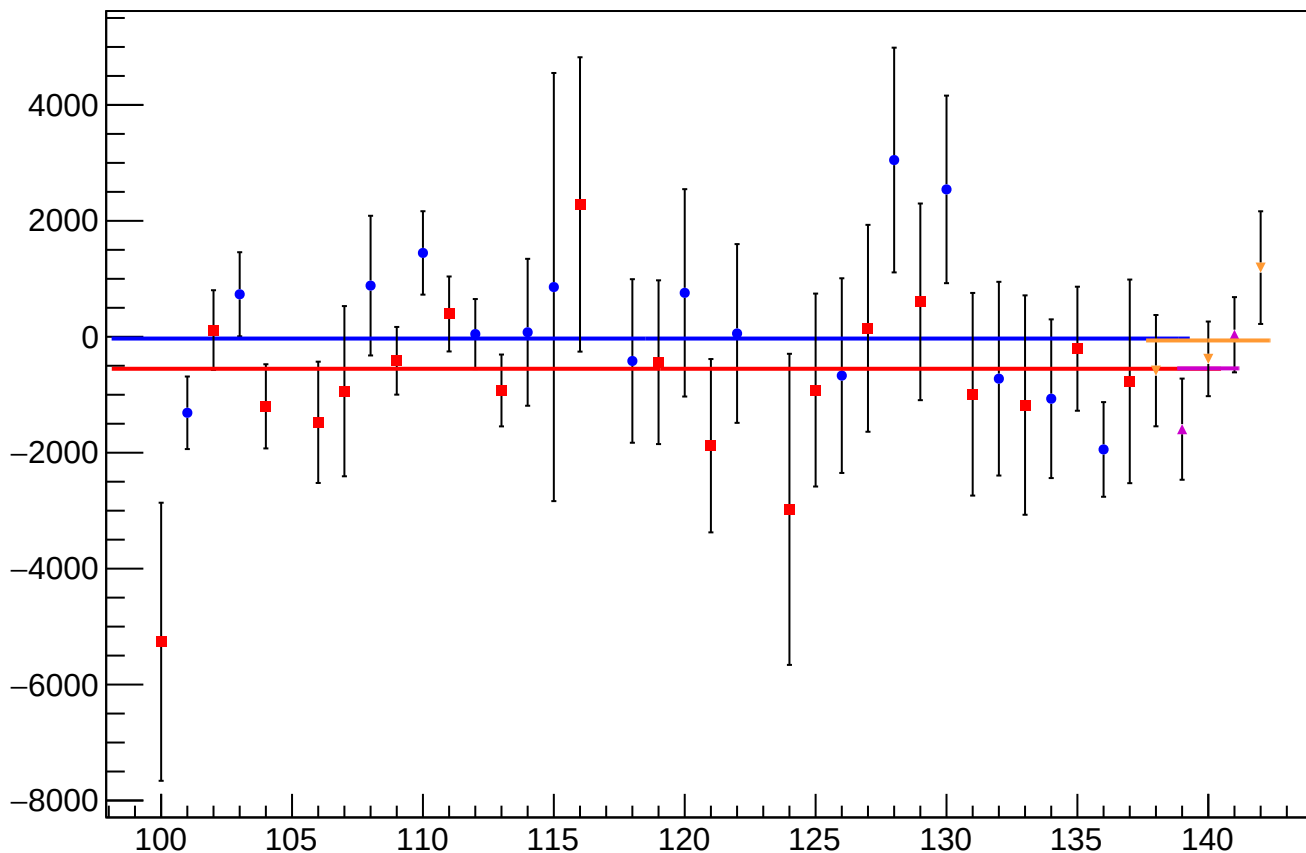
Left In: 91.467 $\pm$ 0.049 χ^2 /NDF: 2013.3/1

+ sign 83.800 $\pm$ 0.020 χ^2 /NDF: 880634.2/18

All: 82.018 $\pm$ 0.014 χ^2 /NDF: 1895382.8/39

- sign 80.335 $\pm$ 0.019 χ^2 /NDF: 999340.5/20

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF : 21.9/15

Left Out: -63.513+/-468.523 χ^2/NDF : 2.2/2

Right Out: -551.948+/-238.640 χ^2/NDF : 12.8/18

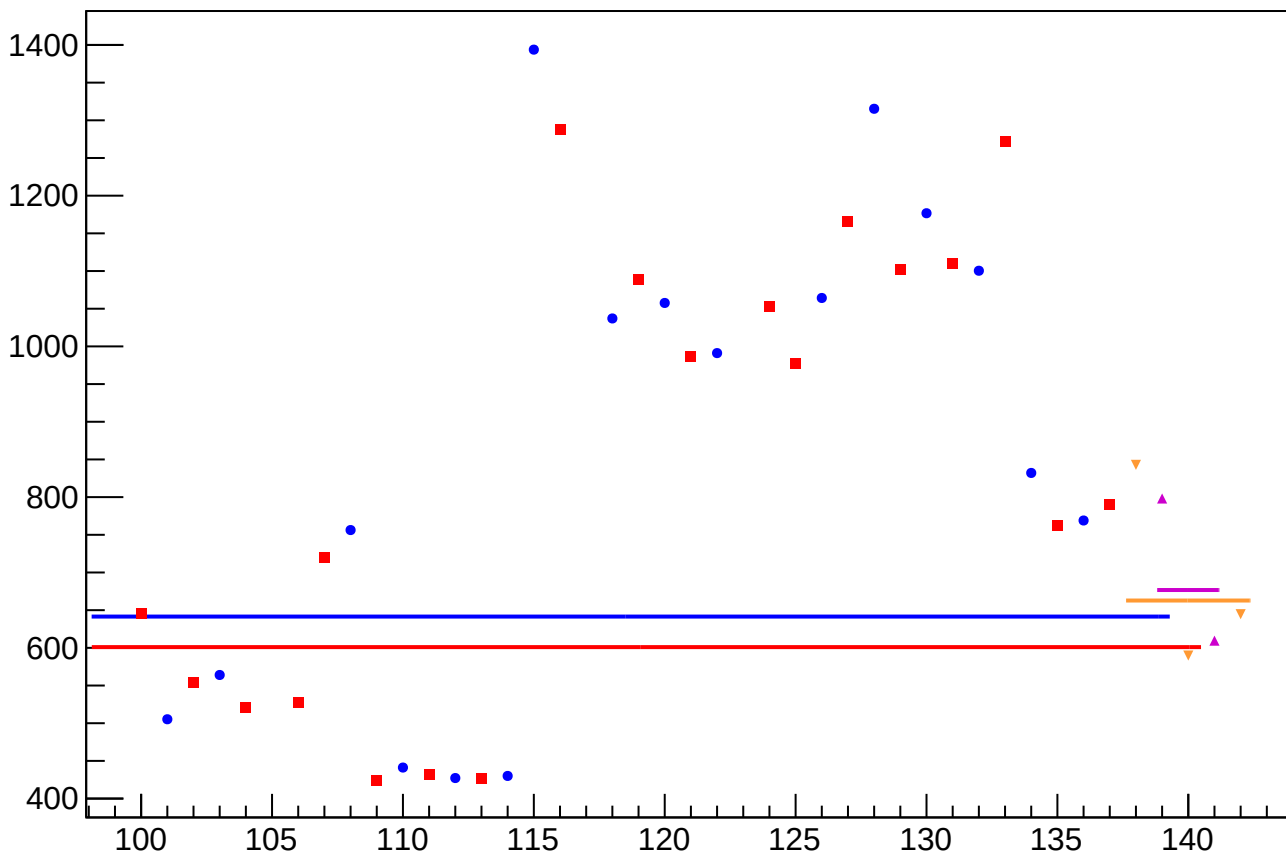
Left In: -545.114+/-520.818 χ^2/NDF : 2.2/1

+ sign -38.085+/-225.329 χ^2/NDF : 24.1/18

All: -304.132+/-156.285 χ^2/NDF : 41.8/39

- sign -550.762+/-216.950 χ^2/NDF : 15.1/20

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF : 1874950.0/15

Left Out: 662.798+/-0.331 χ^2/NDF : 96723.7/2

Right Out: 600.975+/-0.169 χ^2/NDF : 2077232.5/18

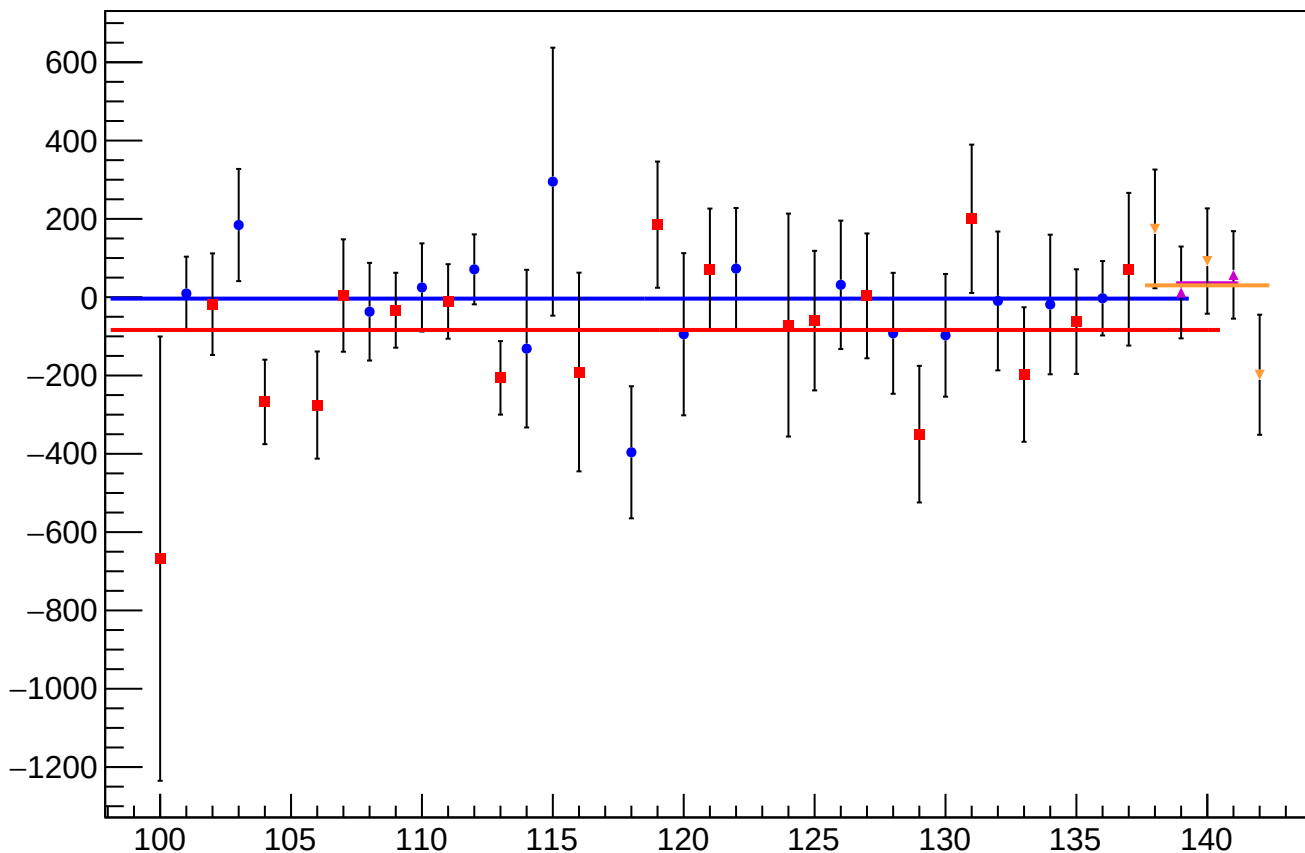
Left In: 676.735+/-0.368 χ^2/NDF : 60166.1/1

+ sign 646.432+/-0.159 χ^2/NDF : 1974848.3/18

All: 629.665+/-0.111 χ^2/NDF : 4168563.4/39

- sign 614.121+/-0.153 χ^2/NDF : 2172374.6/20

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635 ± 34.152 $\chi^2/\text{NDF}: 10.3/15$

Left Out: 30.232 ± 84.121 $\chi^2/\text{NDF}: 3.3/2$

Right Out: -83.676 ± 32.633 $\chi^2/\text{NDF}: 19.1/18$

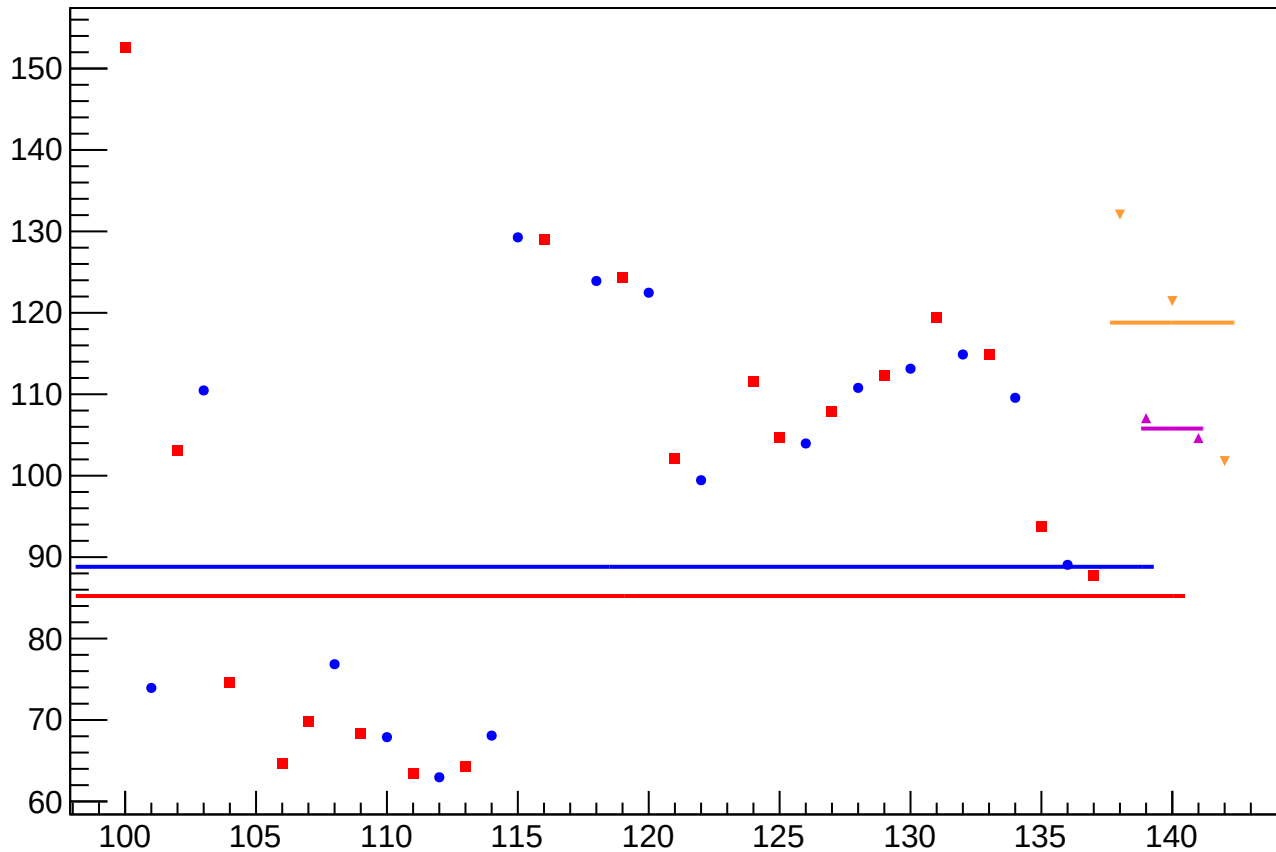
Left In: 35.594 ± 80.873 $\chi^2/\text{NDF}: 0.1/1$

+ sign 1.157 ± 31.644 $\chi^2/\text{NDF}: 13.8/18$

All: -34.430 ± 21.871 $\chi^2/\text{NDF}: 37.2/39$

- sign -66.976 ± 30.262 $\chi^2/\text{NDF}: 21.0/20$

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813 $\pm$ 0.024 χ^2/NDF : 724609.8/15

Left Out: 118.798 $\pm$ 0.059 χ^2/NDF : 40699.4/2

Right Out: 85.225 $\pm$ 0.023 χ^2/NDF : 884071.4/18

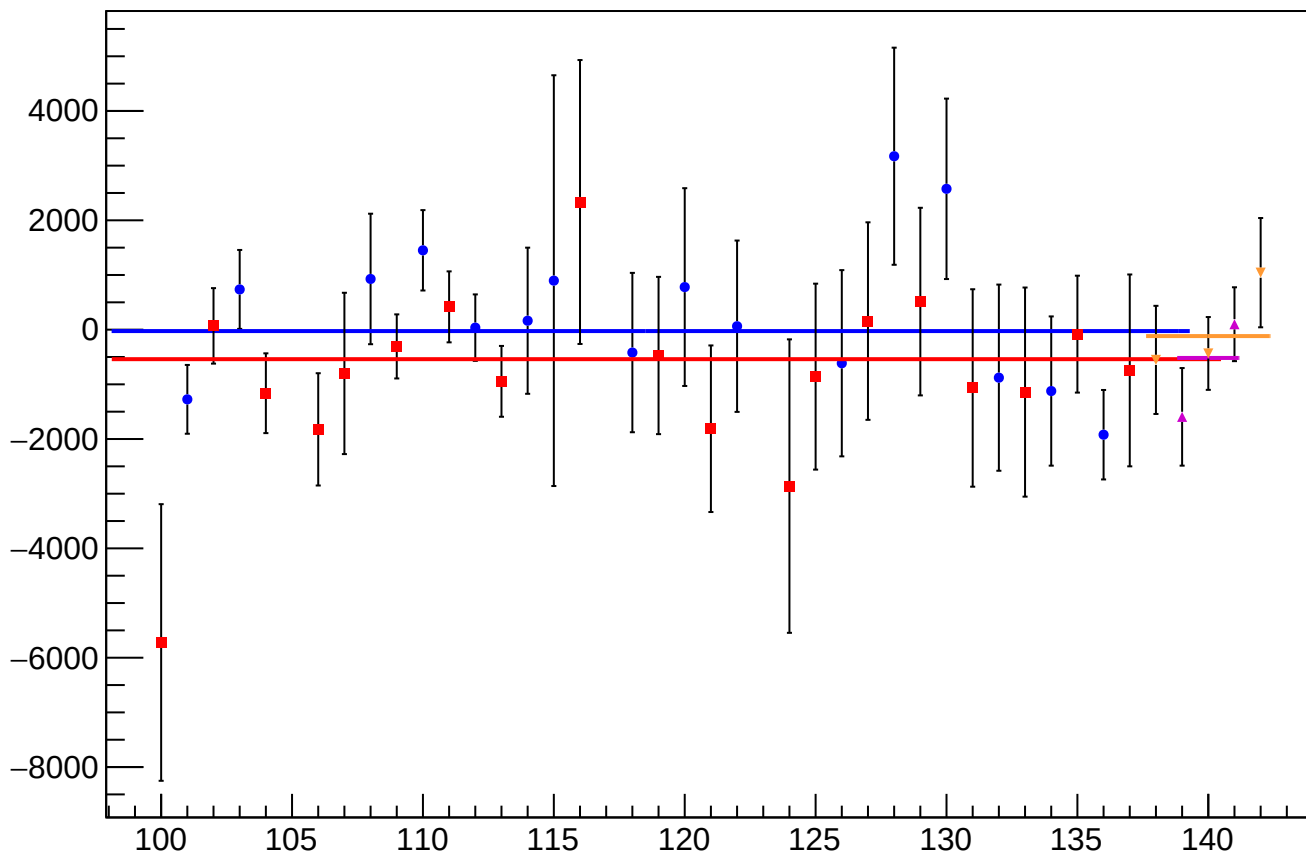
Left In: 105.790 $\pm$ 0.057 χ^2/NDF : 453.2/1

+ sign 93.056 $\pm$ 0.022 χ^2/NDF : 983456.8/18

All: 90.470 $\pm$ 0.015 χ^2/NDF : 2004783.9/39

- sign 88.104 $\pm$ 0.021 χ^2/NDF : 995743.6/20

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770 ± 259.401 χ^2/NDF : 21.6/15

Left Out: -117.469 ± 483.412 χ^2/NDF : 1.8/2

Right Out: -539.635 ± 241.238 χ^2/NDF : 13.6/18

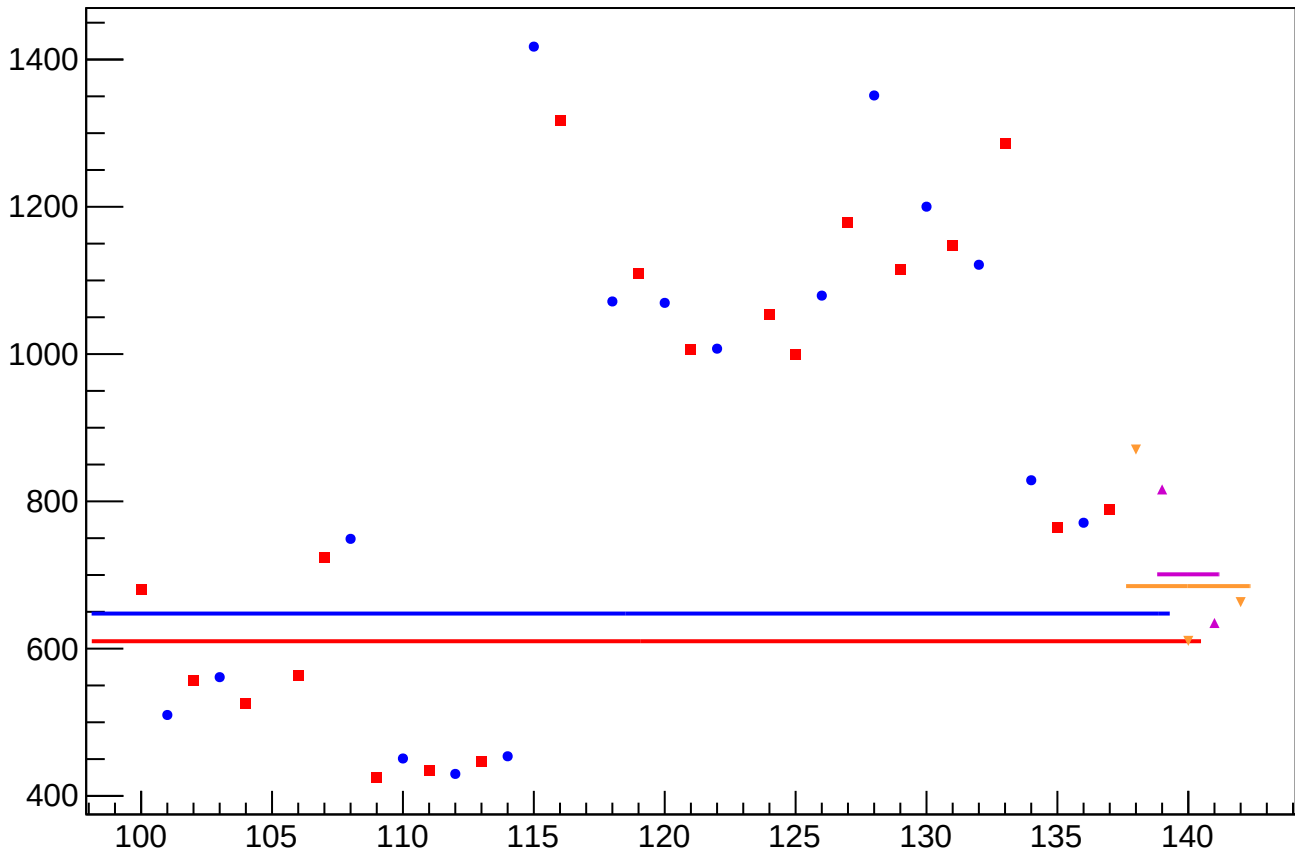
Left In: -517.420 ± 538.679 χ^2/NDF : 2.3/1

+ sign -46.271 ± 228.572 χ^2/NDF : 23.4/18

All: -300.265 ± 158.570 χ^2/NDF : 41.7/39

- sign -535.924 ± 220.169 χ^2/NDF : 15.9/20

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF : 1887815.9/15

Left Out: 684.912+/-0.342 χ^2/NDF : 96218.6/2

Right Out: 610.061+/-0.171 χ^2/NDF : 2074248.2/18

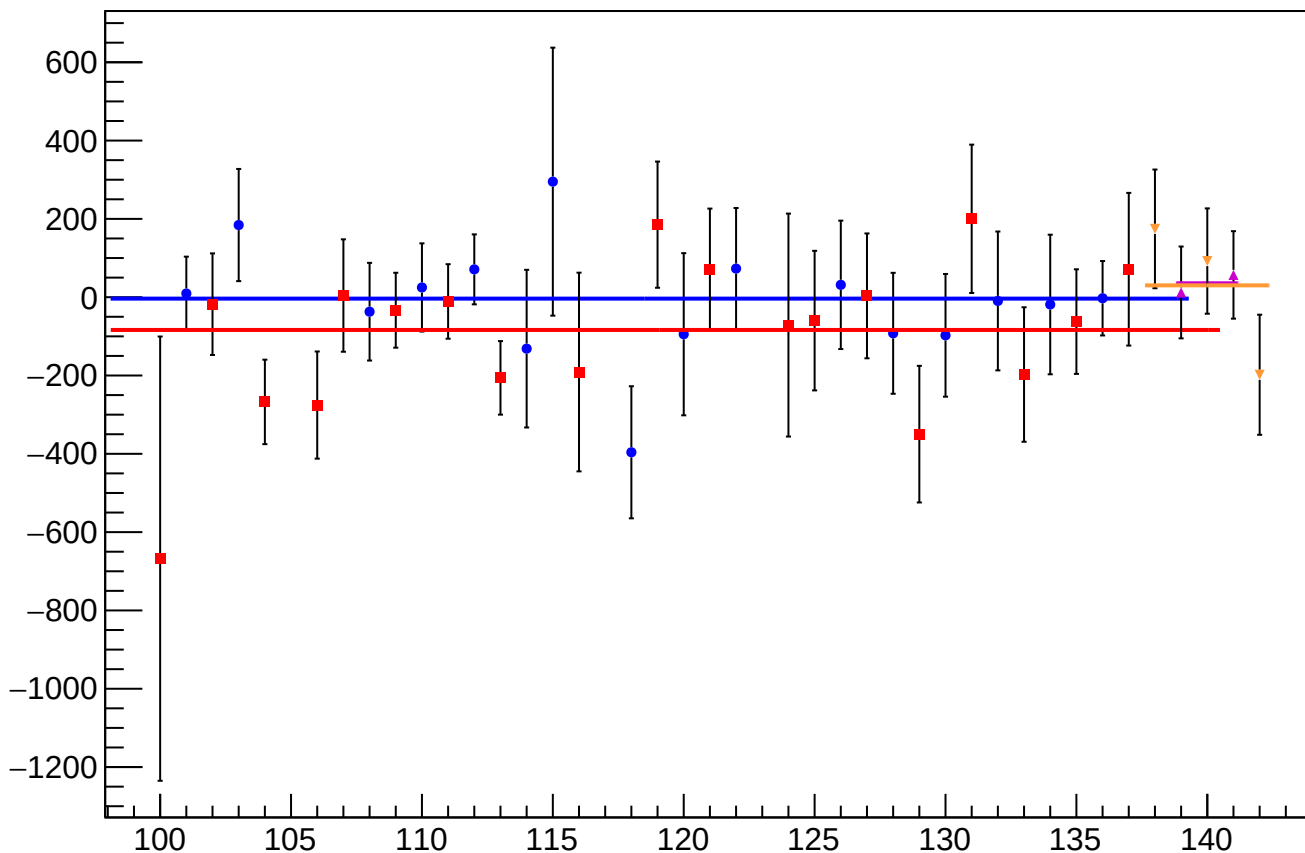
Left In: 700.913+/-0.381 χ^2/NDF : 52503.9/1

+ sign 655.973+/-0.162 χ^2/NDF : 1993265.5/18

All: 640.030+/-0.112 χ^2/NDF : 4186163.1/39

- sign 625.238+/-0.156 χ^2/NDF : 2174138.9/20

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633 ± 34.152 χ^2/NDF : 10.3/15

Left Out: 30.233 ± 84.121 χ^2/NDF : 3.3/2

Right Out: -83.676 ± 32.633 χ^2/NDF : 19.1/18

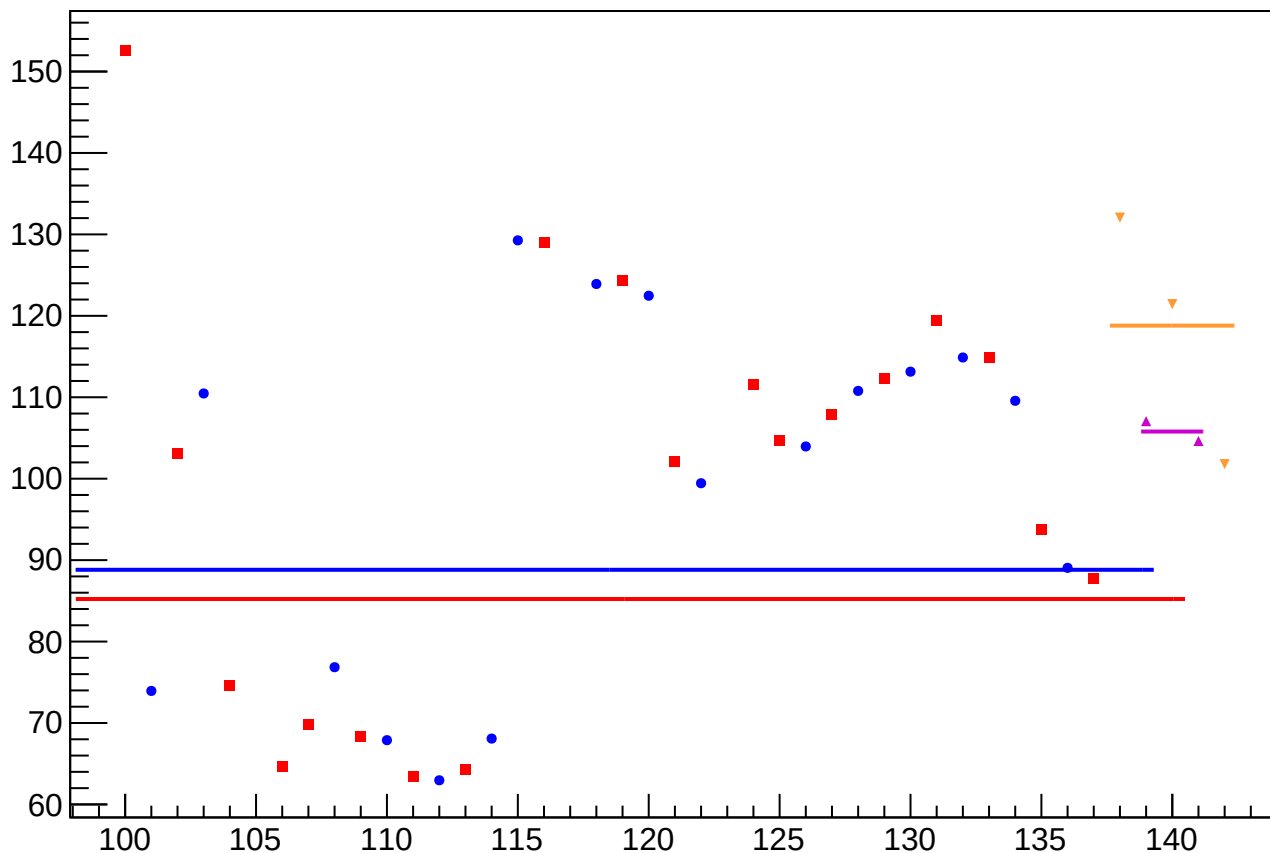
Left In: 35.594 ± 80.873 χ^2/NDF : 0.1/1

+ sign 1.159 ± 31.644 χ^2/NDF : 13.8/18

All: -34.429 ± 21.871 χ^2/NDF : 37.2/39

- sign -66.976 ± 30.262 χ^2/NDF : 21.0/20

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813 $\pm$ 0.024 χ^2/NDF : 724609.7/15

Left Out: 118.798 $\pm$ 0.059 χ^2/NDF : 40698.2/2

Right Out: 85.225 $\pm$ 0.023 χ^2/NDF : 884073.3/18

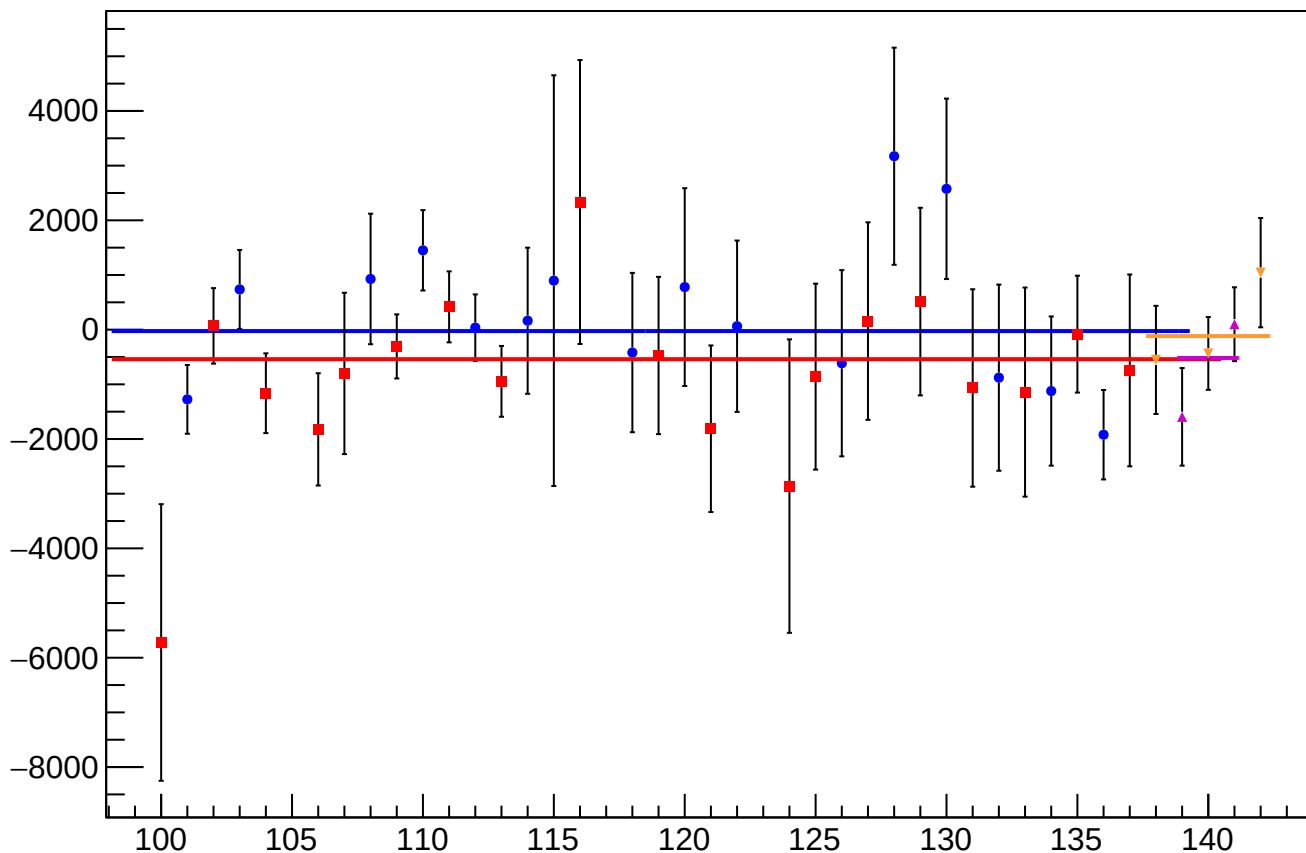
Left In: 105.790 $\pm$ 0.057 χ^2/NDF : 453.1/1

+ sign 93.056 $\pm$ 0.022 χ^2/NDF : 983459.4/18

All: 90.470 $\pm$ 0.015 χ^2/NDF : 2004790.7/39

- sign 88.104 $\pm$ 0.021 χ^2/NDF : 995747.7/20

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug



Right In: -25.770 ± 259.401 χ^2/NDF : 21.6/15

Left Out: -117.470 ± 483.412 χ^2/NDF : 1.8/2

Right Out: -539.635 ± 241.238 χ^2/NDF : 13.6/18

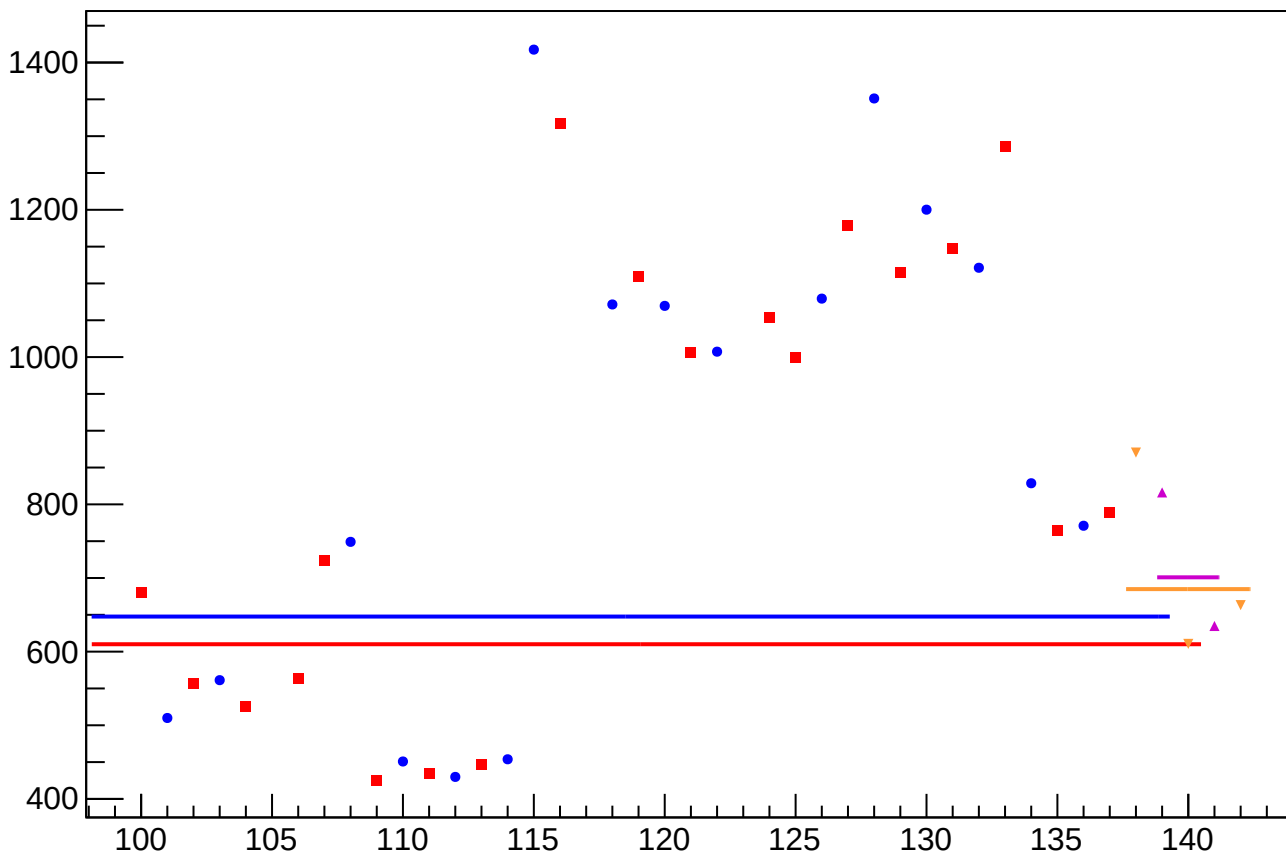
Left In: -517.421 ± 538.678 χ^2/NDF : 2.3/1

+ sign -46.272 ± 228.572 χ^2/NDF : 23.4/18

All: -300.264 ± 158.570 χ^2/NDF : 41.7/39

- sign -535.924 ± 220.168 χ^2/NDF : 15.9/20

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 647.640+/-0.183 χ^2/NDF : 1887820.6/15

Left Out: 684.912+/-0.342 χ^2/NDF : 96218.4/2

Right Out: 610.060+/-0.171 χ^2/NDF : 2074251.1/18

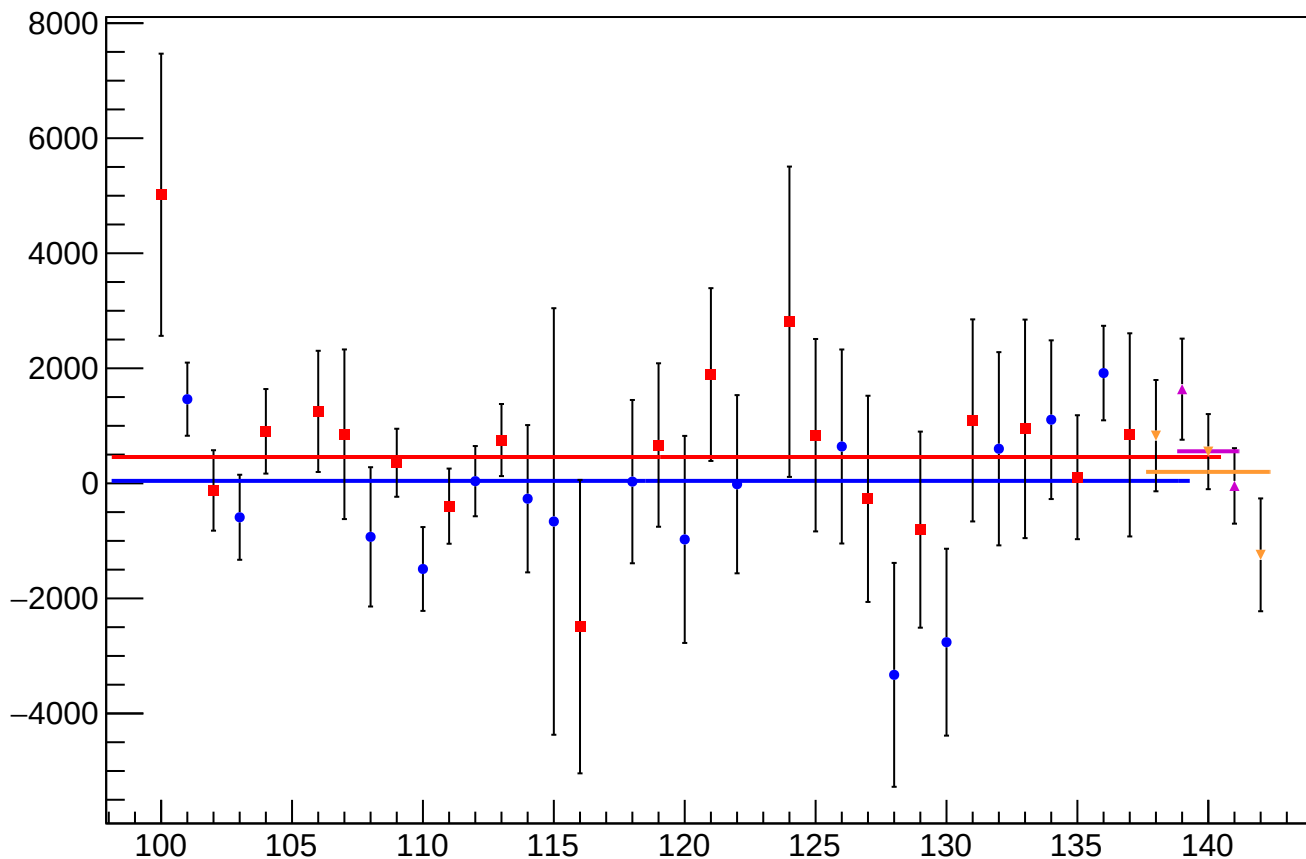
Left In: 700.912+/-0.381 χ^2/NDF : 52504.1/1

+ sign 655.973+/-0.162 χ^2/NDF : 1993270.2/18

All: 640.029+/-0.112 χ^2/NDF : 4186171.3/39

- sign 625.237+/-0.156 χ^2/NDF : 2174142.3/20

asym_sam_1548_avg_mean vs Slug



Right In: 43.152 $\pm$ 259.796 χ^2 /NDF: 23.2/15

Left Out: 199.595 $\pm$ 473.778 χ^2 /NDF: 2.9/2

Right Out: 458.111 $\pm$ 241.118 χ^2 /NDF: 11.3/18

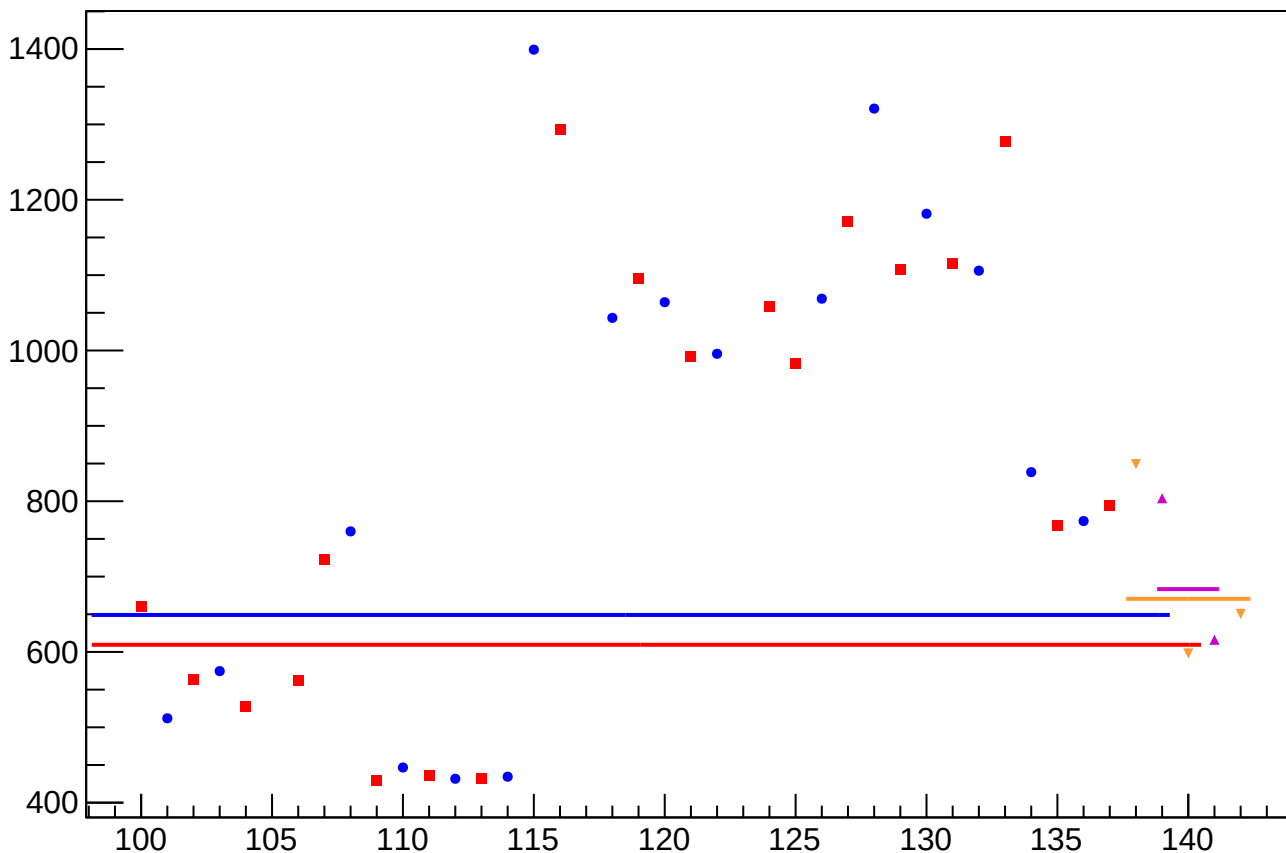
Left In: 557.490 $\pm$ 525.774 χ^2 /NDF: 2.4/1

+ sign 79.318 $\pm$ 227.796 χ^2 /NDF: 26.2/18

All: 284.990 $\pm$ 157.938 χ^2 /NDF: 41.4/39

- sign 475.380 $\pm$ 219.170 χ^2 /NDF: 13.6/20

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF : 1845815.6/15

Left Out: 670.510+/-0.335 χ^2/NDF : 93778.0/2

Right Out: 609.516+/-0.170 χ^2/NDF : 2043591.1/18

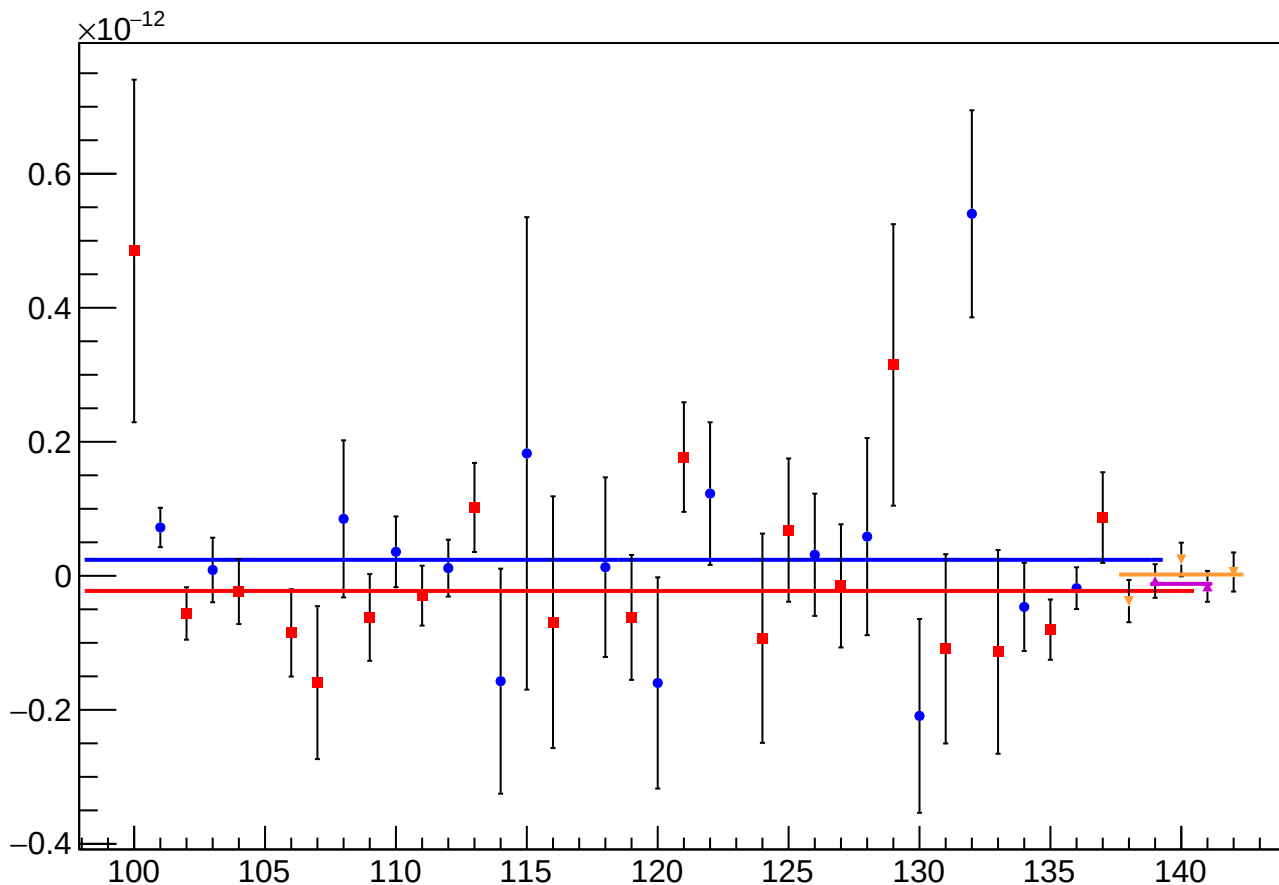
Left In: 683.385+/-0.372 χ^2/NDF : 58636.1/1

+ sign 654.042+/-0.161 χ^2/NDF : 1942736.4/18

All: 637.586+/-0.112 χ^2/NDF : 4097681.5/39

- sign 622.352+/-0.155 χ^2/NDF : 2134845.2/20

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 : 2.4/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 25.7/18

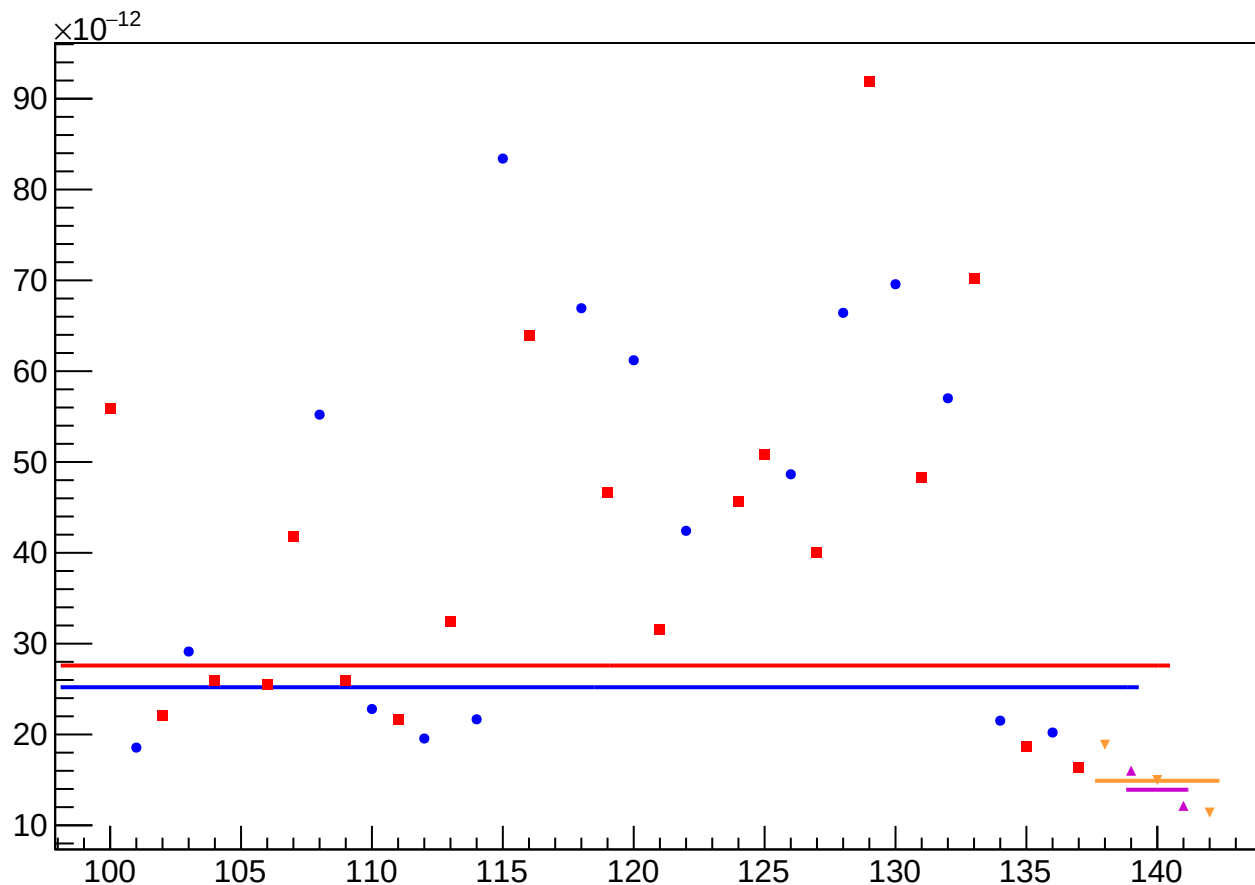
Left In: -0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 27.0/18

All: -0.000 ± 0.000 χ^2/NDF : 56.6/39

- sign -0.000 ± 0.000 χ^2/NDF : 25.9/20

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 : 60475.7/2

Right Out: 0.000+/-0.000 χ^2/NDF : 988490.8/18

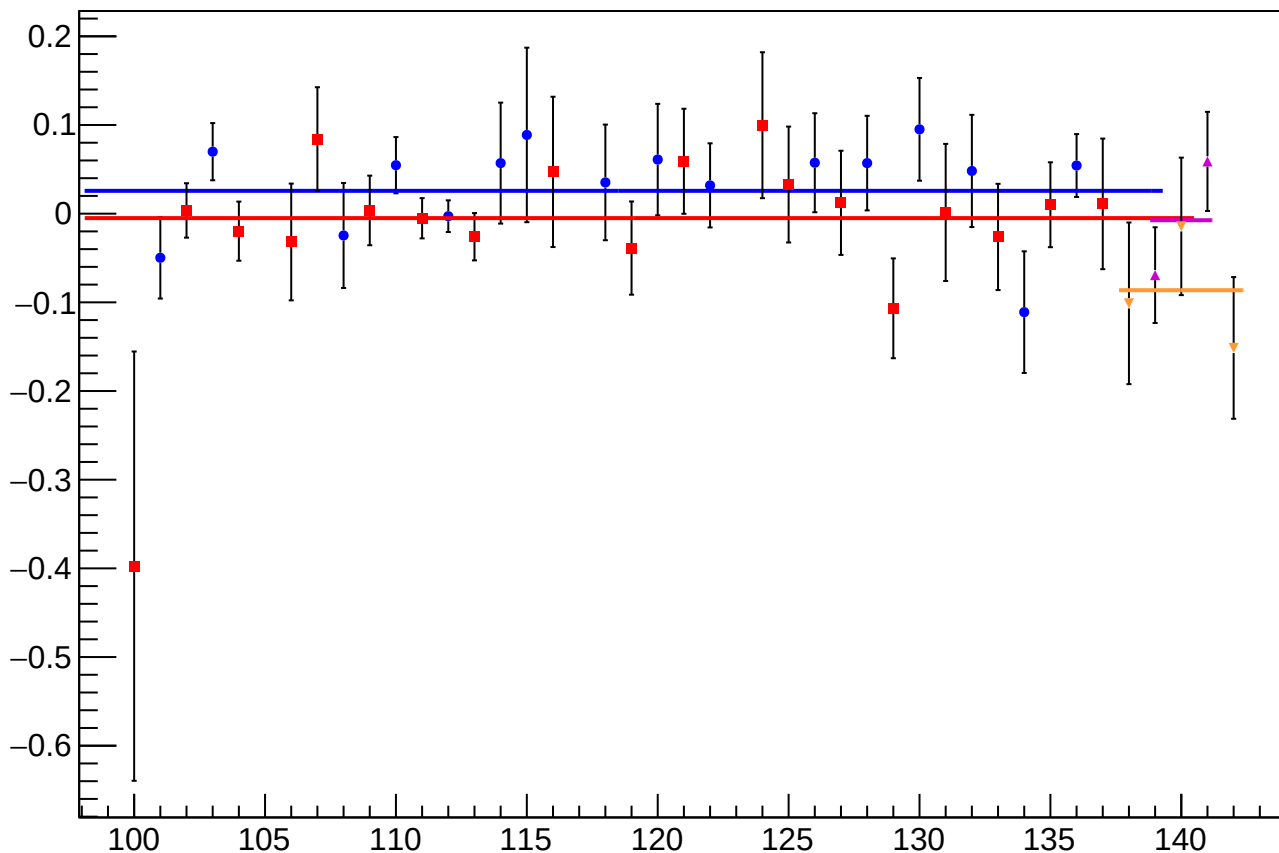
Left In: 0.000+/-0.000 χ^2/NDF : 25841.3/1

+ sign 0.000+/-0.000 χ^2/NDF : 1799678.2/18

All: 0.000+/-0.000 χ^2/NDF : 3490588.6/39

- sign 0.000+/-0.000 χ^2/NDF : 1688139.4/20

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: -0.086 ± 0.047 χ^2/NDF : 1.6/2

Right Out: -0.005 ± 0.010 χ^2/NDF : 13.6/18

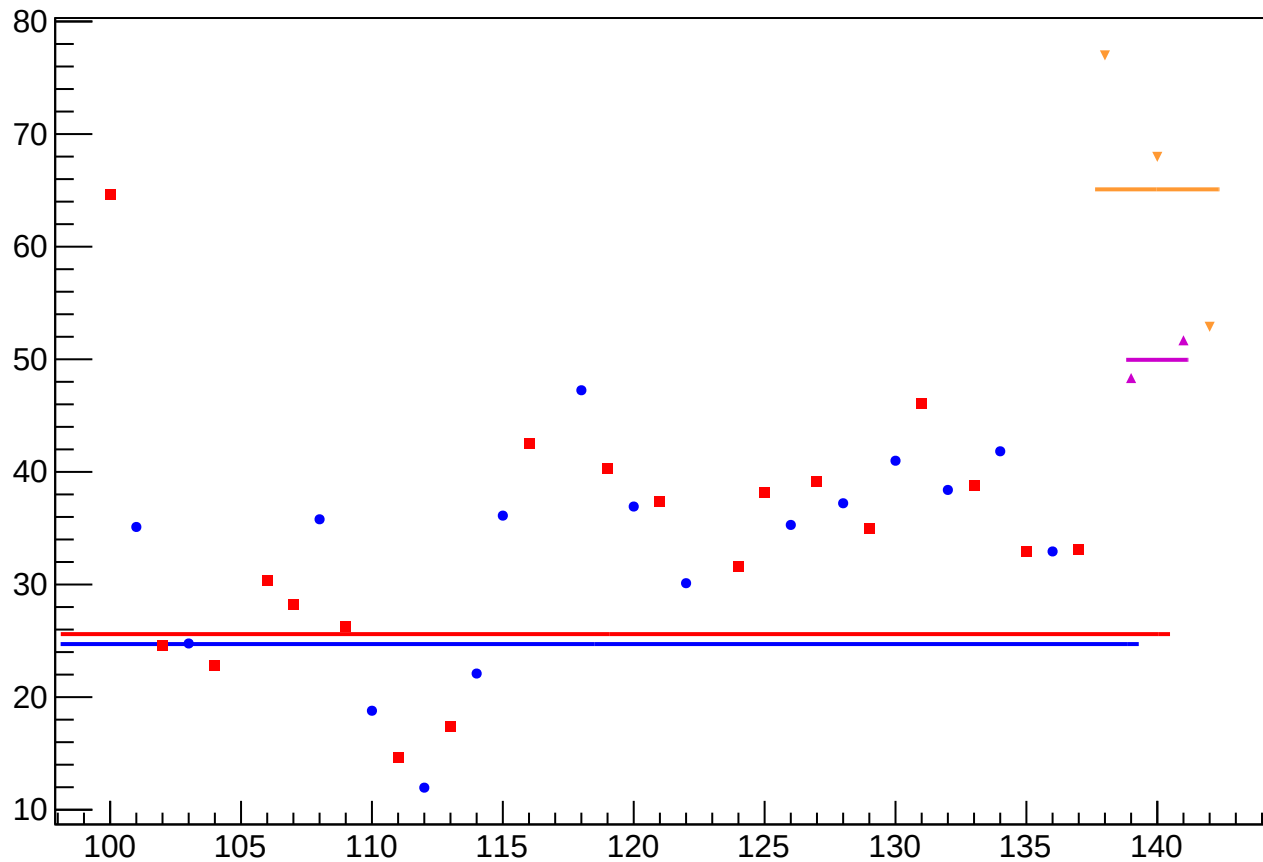
Left In: -0.007 ± 0.039 χ^2/NDF : 2.7/1

+ sign 0.021 ± 0.010 χ^2/NDF : 23.4/18

All: 0.008 ± 0.007 χ^2/NDF : 43.0/39

- sign -0.005 ± 0.010 χ^2/NDF : 16.3/20

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: 65.091 $\pm$ 0.034 χ^2/NDF : 83537.5/2

Right Out: 25.597 $\pm$ 0.007 χ^2/NDF : 1605235.8/18

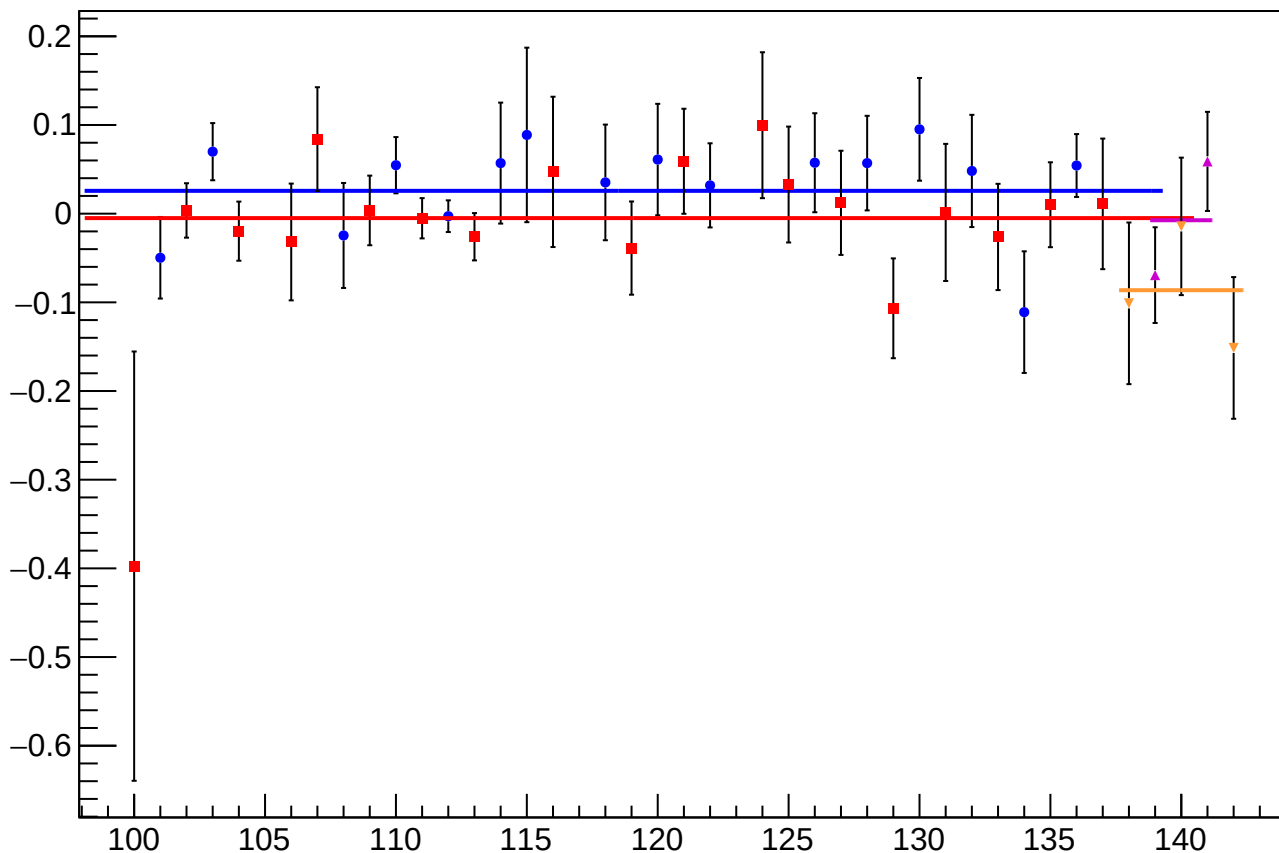
Left In: 49.954 $\pm$ 0.027 χ^2/NDF : 3719.8/1

+ sign 26.546 $\pm$ 0.007 χ^2/NDF : 3759527.6/18

All: 26.883 $\pm$ 0.005 χ^2/NDF : 6107833.0/39

- sign 27.213 $\pm$ 0.007 χ^2/NDF : 2343915.0/20

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.010 χ^2 /NDF: 16.5/15

Left Out: -0.086 $\pm$ 0.047 χ^2 /NDF: 1.6/2

Right Out: -0.005 $\pm$ 0.010 χ^2 /NDF: 13.6/18

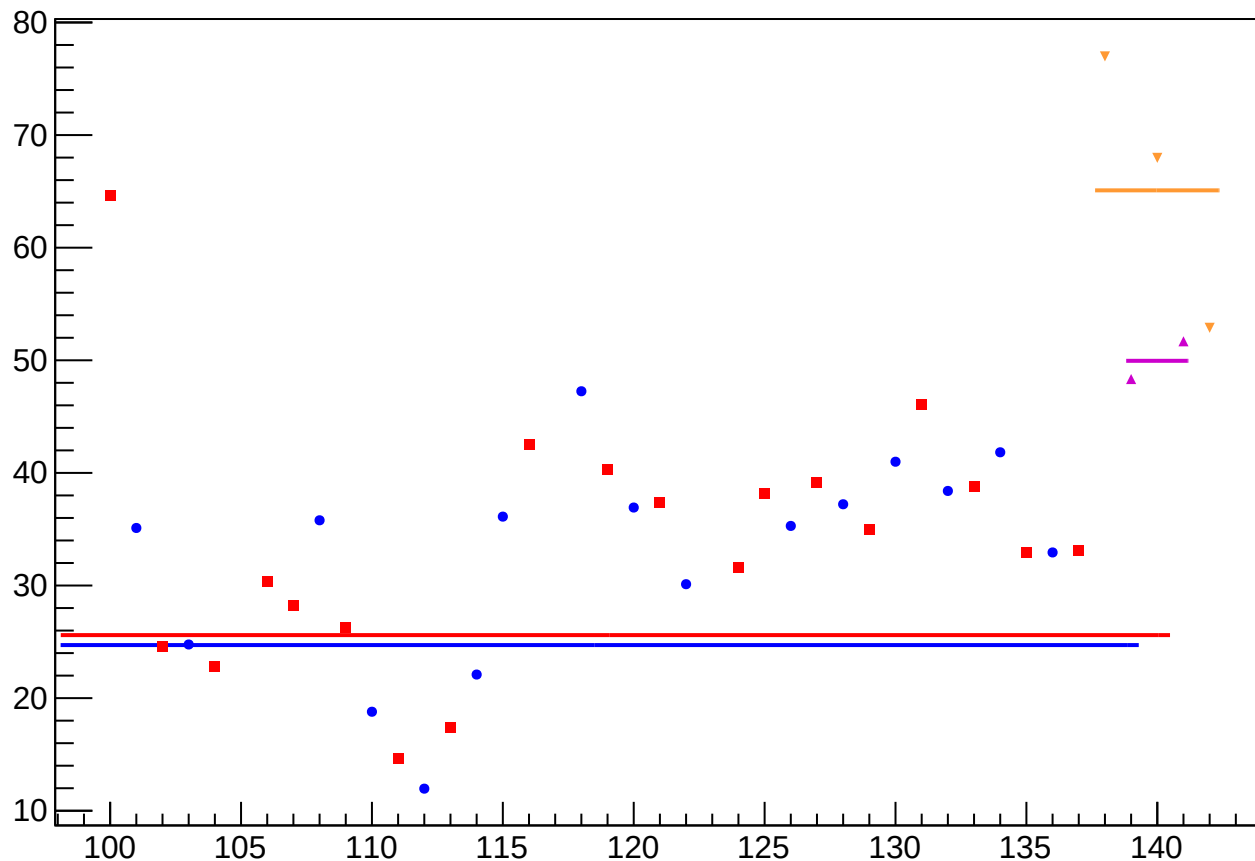
Left In: -0.007 $\pm$ 0.039 χ^2 /NDF: 2.7/1

+ sign 0.021 $\pm$ 0.010 χ^2 /NDF: 23.4/18

All: 0.008 $\pm$ 0.007 χ^2 /NDF: 43.0/39

- sign -0.005 $\pm$ 0.010 χ^2 /NDF: 16.3/20

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: 65.091 $\pm$ 0.034 χ^2/NDF : 83537.5/2

Right Out: 25.597 $\pm$ 0.007 χ^2/NDF : 1605235.8/18

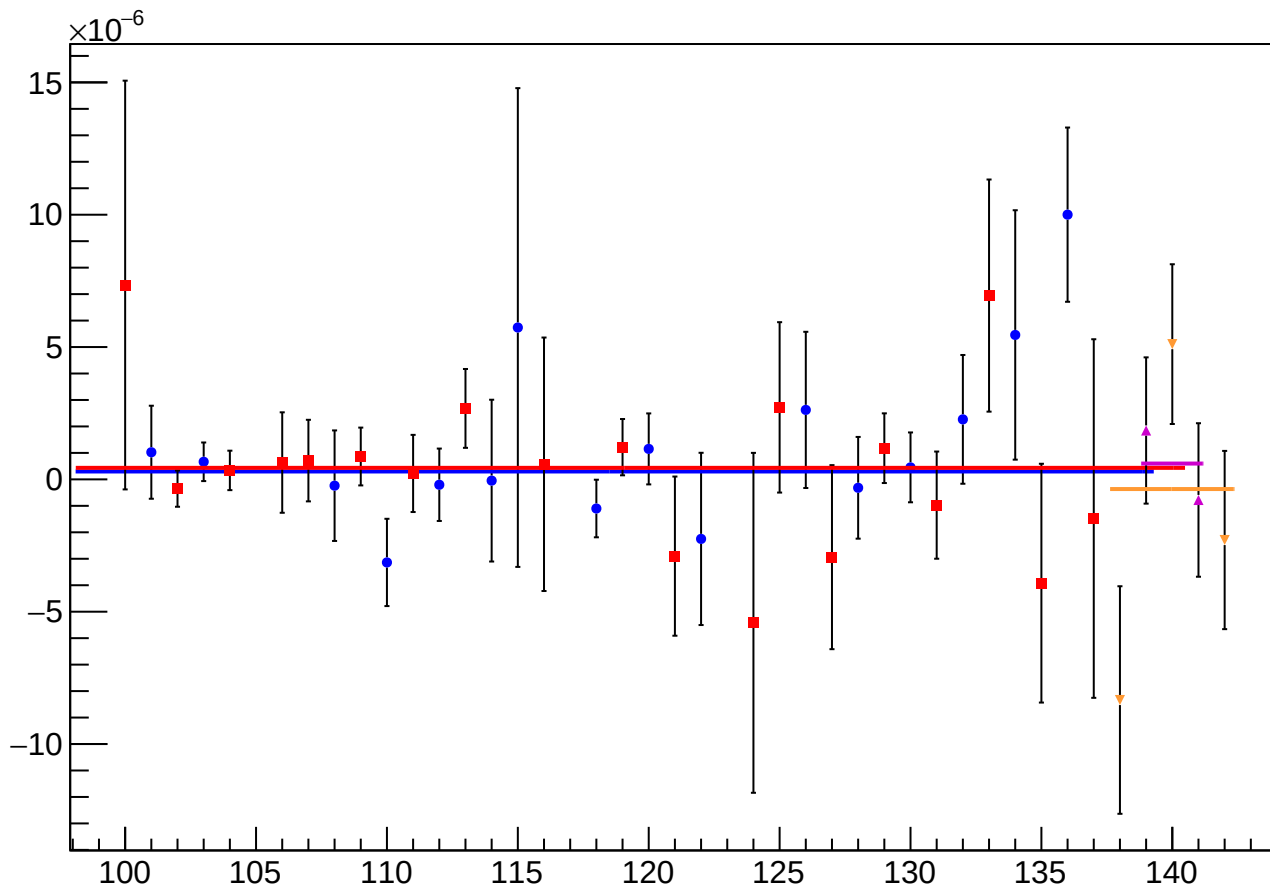
Left In: 49.954 $\pm$ 0.027 χ^2/NDF : 3719.8/1

+ sign 26.546 $\pm$ 0.007 χ^2/NDF : 3759527.6/18

All: 26.883 $\pm$ 0.005 χ^2/NDF : 6107833.0/39

- sign 27.213 $\pm$ 0.007 χ^2/NDF : 2343915.0/20

asym_sam_1548_avg_eigen_dit_vs_dit_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 : 7.1/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 12.7/18

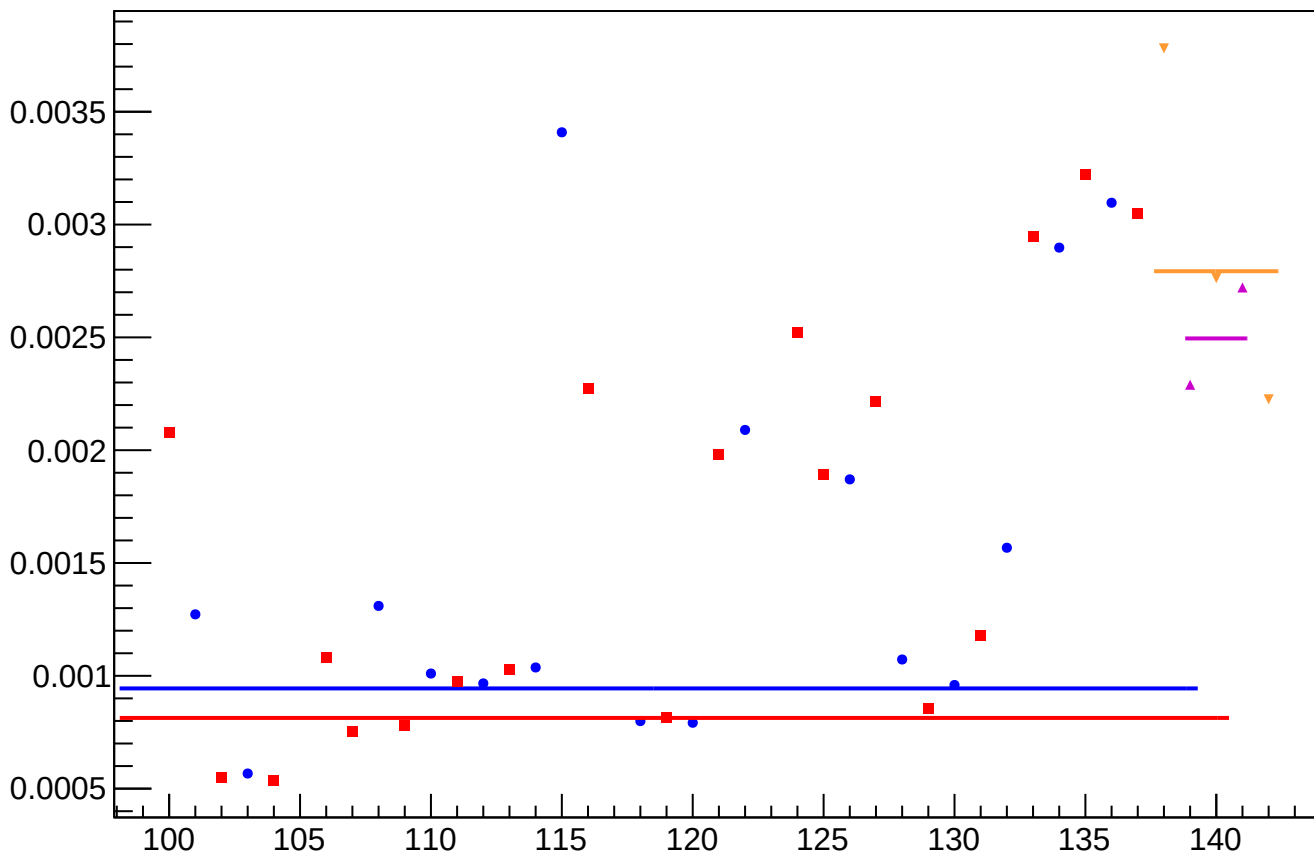
Left In: 0.000 ± 0.000 χ^2/NDF : 0.4/1

+ sign 0.000 ± 0.000 χ^2/NDF : 26.5/18

All: 0.000 ± 0.000 χ^2/NDF : 39.7/39

- sign 0.000 ± 0.000 χ^2/NDF : 13.1/20

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: 0.003+/-0.000 χ^2/NDF :162651.4/2

Right Out: 0.001+/-0.000 χ^2/NDF : 3244147.3/18

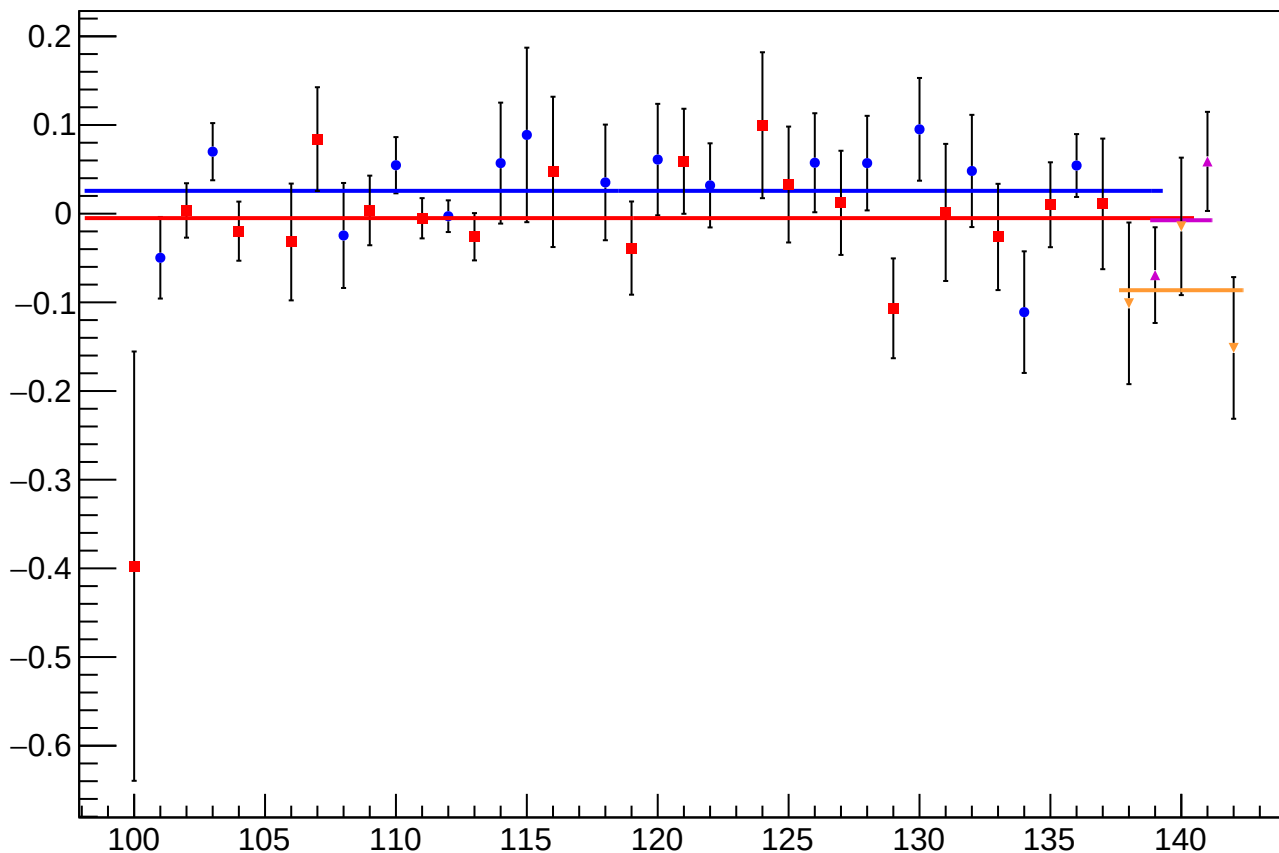
Left In: 0.002+/-0.000 χ^2/NDF :23174.0/1

+ sign 0.001+/-0.000 χ^2/NDF : 4485002.2/18

All: 0.001+/-0.000 χ^2/NDF : 9306212.8/39

- sign 0.001+/-0.000 χ^2/NDF : 4640933.5/20

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: -0.086 $\pm$ 0.047 χ^2 /NDF: 1.6/2

Right Out: -0.005 $\pm$ 0.010 χ^2 /NDF: 13.6/18

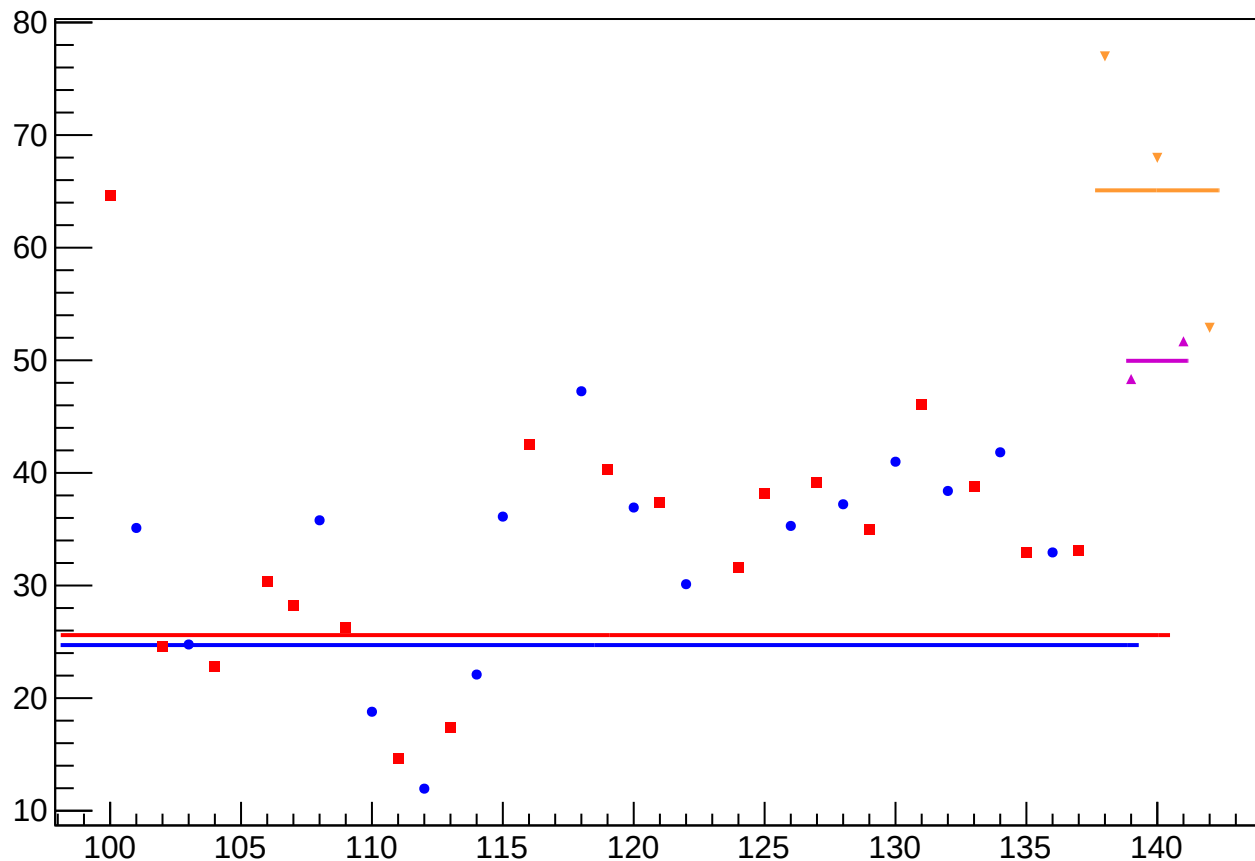
Left In: -0.007 $\pm$ 0.039 χ^2 /NDF: 2.7/1

+ sign 0.021 $\pm$ 0.010 χ^2 /NDF: 23.4/18

All: 0.008 $\pm$ 0.007 χ^2 /NDF: 43.0/39

- sign -0.005 $\pm$ 0.010 χ^2 /NDF: 16.3/20

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: 65.091 $\pm$ 0.034 χ^2/NDF : 83531.0/2

Right Out: 25.597 $\pm$ 0.007 χ^2/NDF : 1605387.3/18

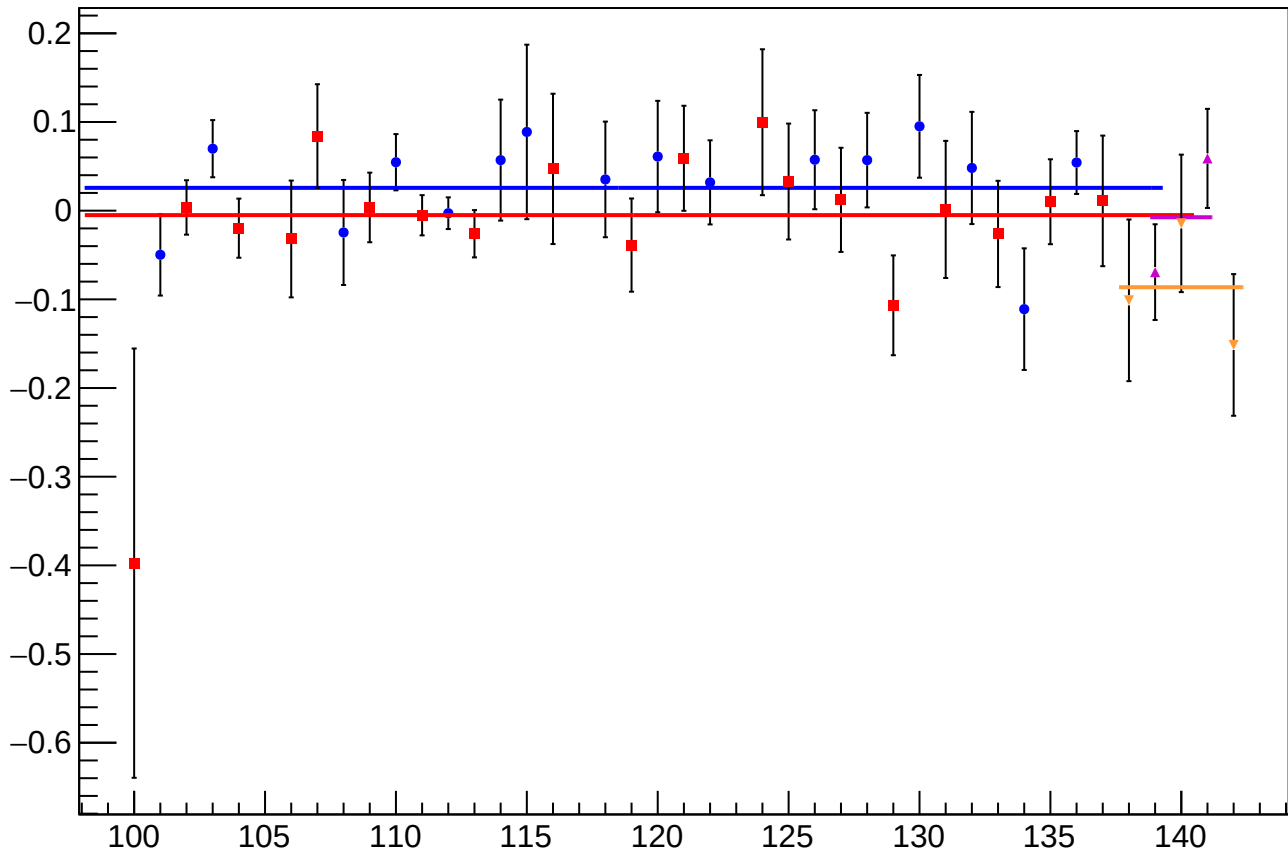
Left In: 49.954 $\pm$ 0.027 χ^2/NDF : 3721.2/1

+ sign 26.546 $\pm$ 0.007 χ^2/NDF : 3759759.7/18

All: 26.883 $\pm$ 0.005 χ^2/NDF : 6108260.4/39

- sign 27.212 $\pm$ 0.007 χ^2/NDF : 2344107.9/20

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: -0.086 ± 0.047 χ^2/NDF : 1.6/2

Right Out: -0.005 ± 0.010 χ^2/NDF : 13.6/18

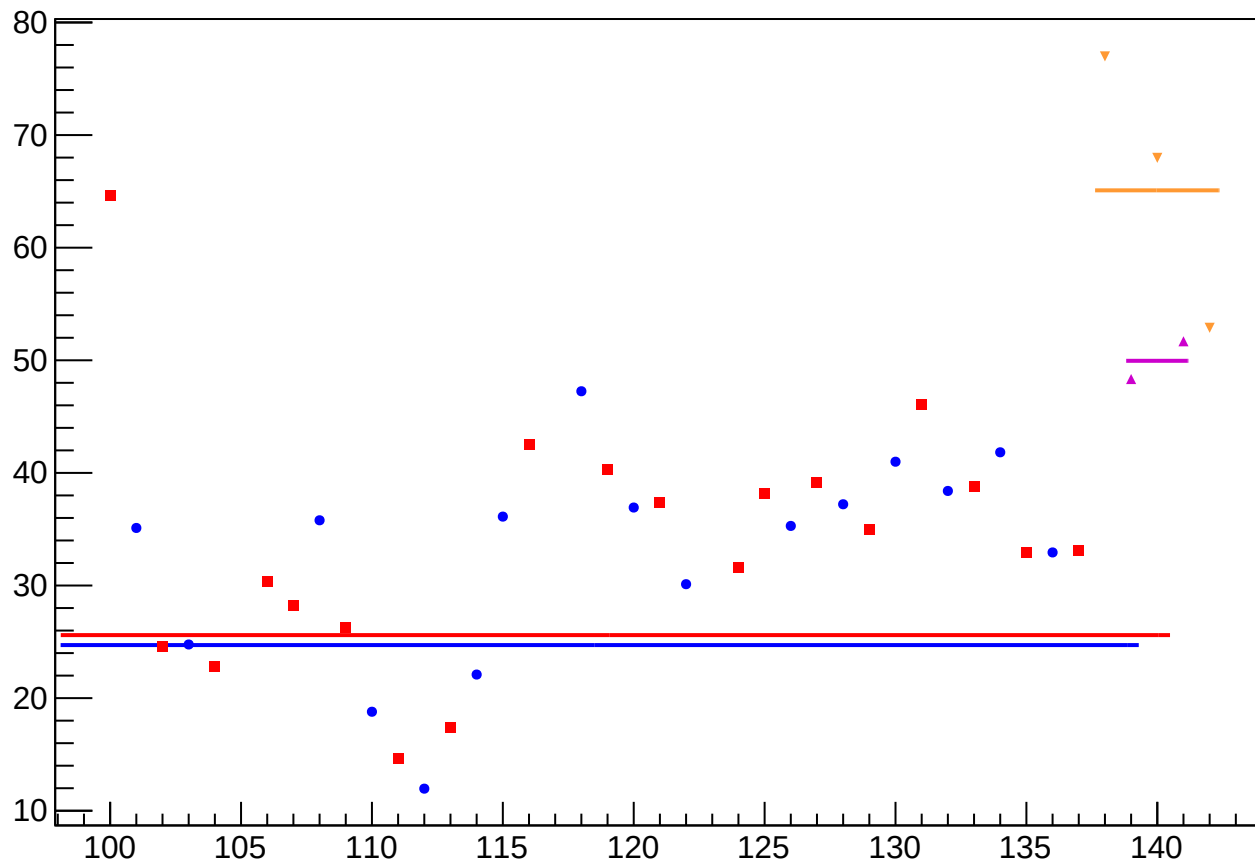
Left In: -0.007 ± 0.039 χ^2/NDF : 2.7/1

+ sign 0.021 ± 0.010 χ^2/NDF : 23.4/18

All: 0.008 ± 0.007 χ^2/NDF : 43.0/39

- sign -0.005 ± 0.010 χ^2/NDF : 16.3/20

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: 65.091 $\pm$ 0.034 χ^2 /NDF: 83531.0/2

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605387.3/18

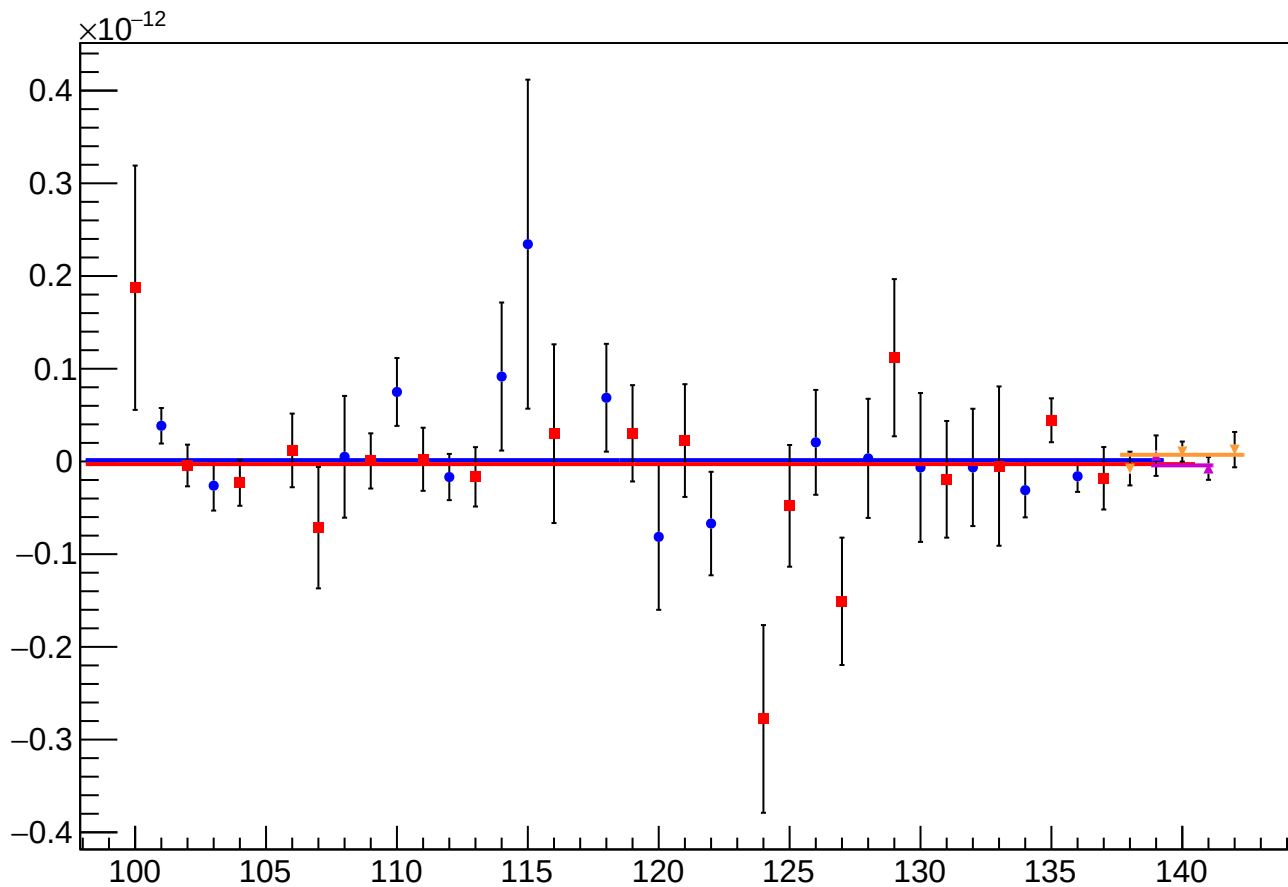
Left In: 49.954 $\pm$ 0.027 χ^2 /NDF: 3721.2/1

+ sign 26.546 $\pm$ 0.007 χ^2 /NDF: 3759759.7/18

All: 26.883 $\pm$ 0.005 χ^2 /NDF: 6108260.4/39

- sign 27.212 $\pm$ 0.007 χ^2 /NDF: 2344107.9/20

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 : 0.9/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.5/18

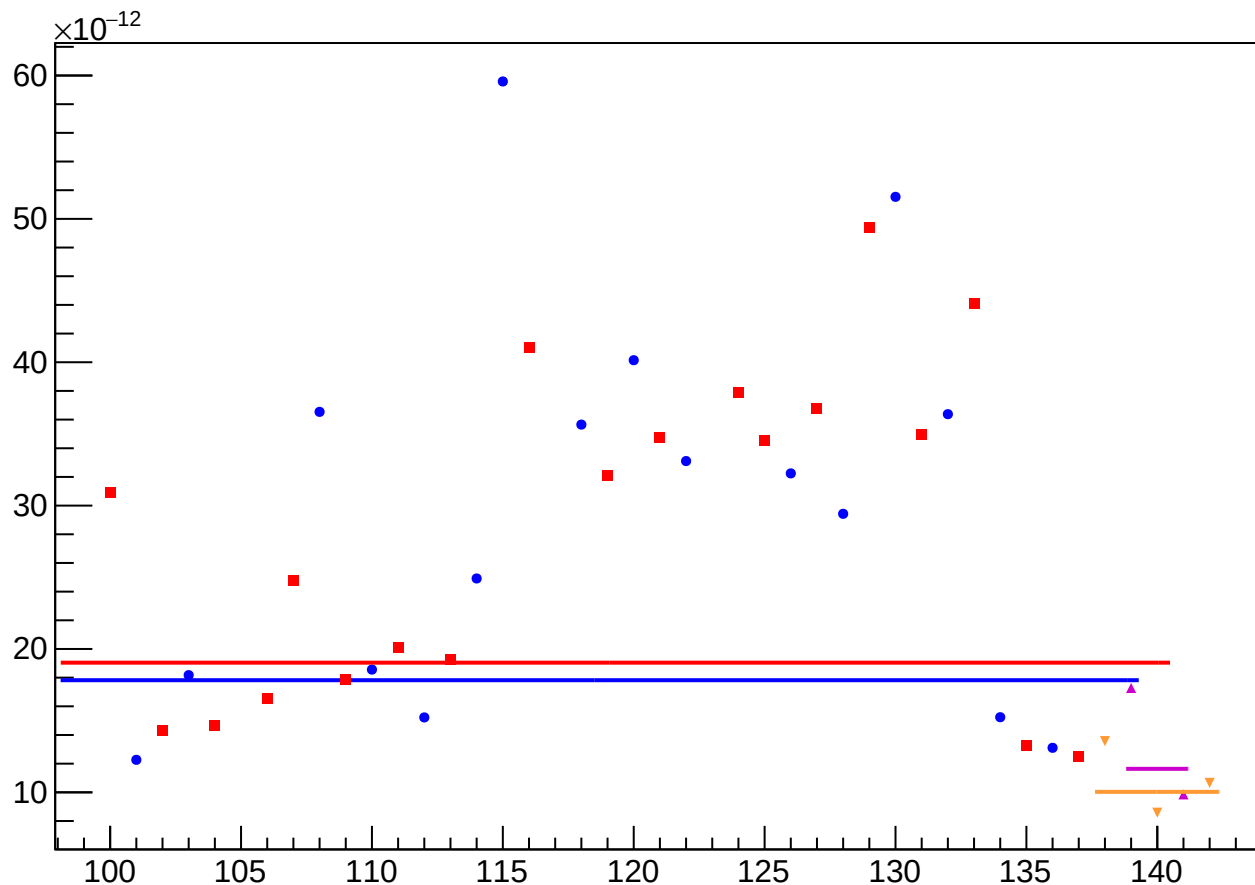
Left In: -0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign 0.000 ± 0.000 χ^2/NDF : 19.8/18

All: 0.000 ± 0.000 χ^2/NDF : 44.3/39

- sign -0.000 ± 0.000 χ^2/NDF : 23.8/20

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 : 114307.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1620721.2/18

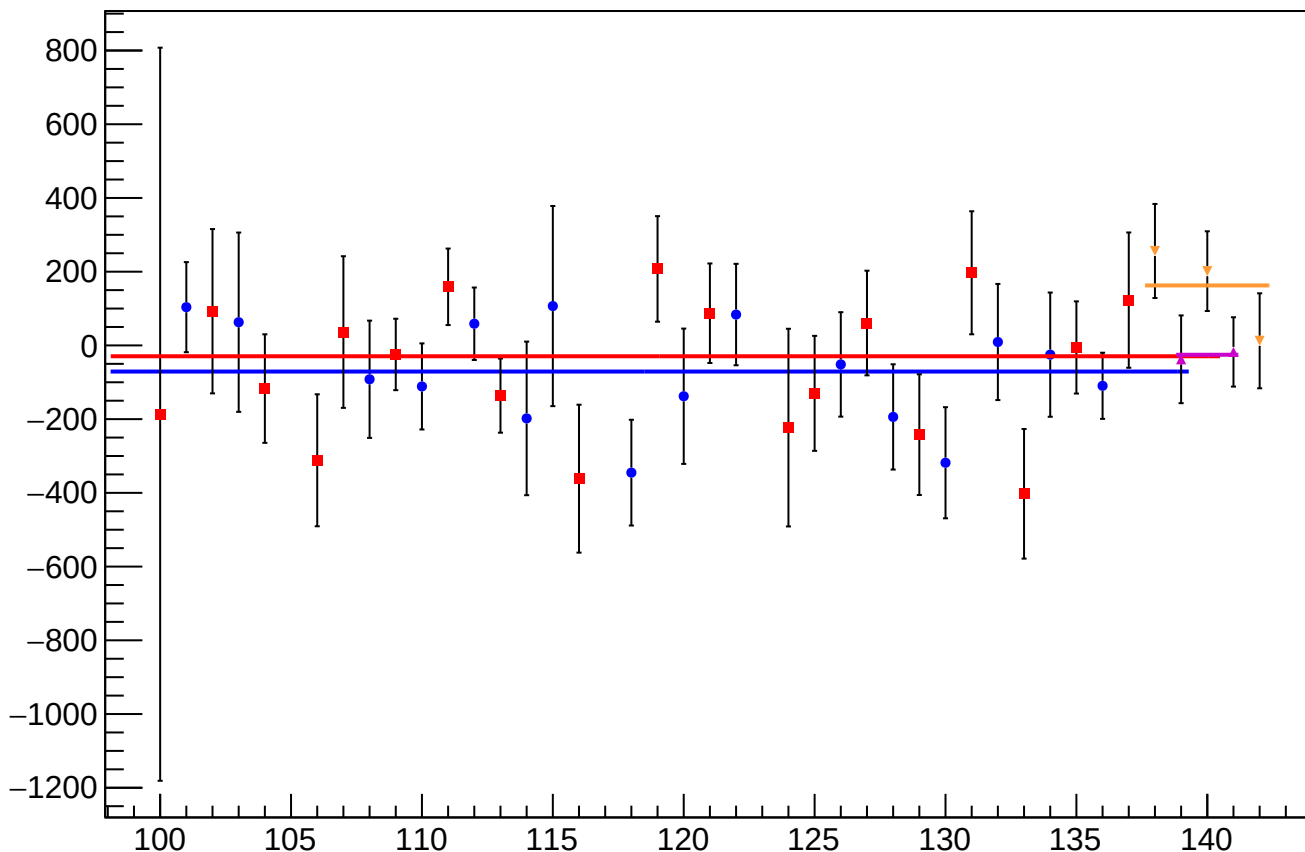
Left In: 0.000+/-0.000 χ^2/NDF : 175672.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 2821223.6/18

All: 0.000+/-0.000 χ^2/NDF : 5280513.6/39

- sign 0.000+/-0.000 χ^2/NDF : 2350067.3/20

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892 ± 35.122 χ^2/NDF : 14.1/15

Left Out: 162.724 ± 69.473 χ^2/NDF : 2.0/2

Right Out: -29.410 ± 34.243 χ^2/NDF : 24.0/18

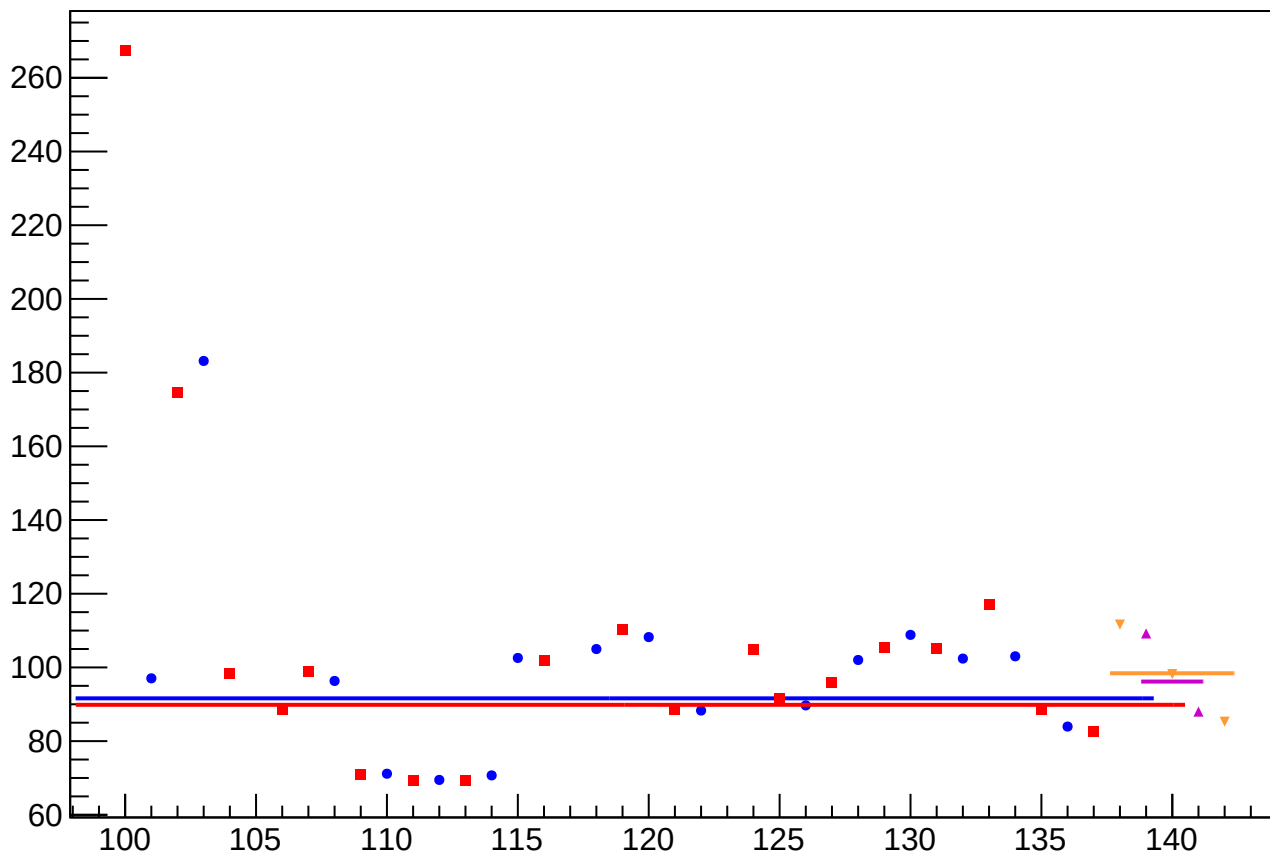
Left In: -25.362 ± 73.797 χ^2/NDF : 0.0/1

+ sign -23.337 ± 31.344 χ^2/NDF : 25.1/18

All: -26.039 ± 22.063 χ^2/NDF : 49.1/39

- sign -28.693 ± 31.062 χ^2/NDF : 24.0/20

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF : 580672.8/15

Left Out: 98.416+/-0.049 χ^2/NDF : 42263.6/2

Right Out: 89.854+/-0.024 χ^2/NDF : 746289.1/18

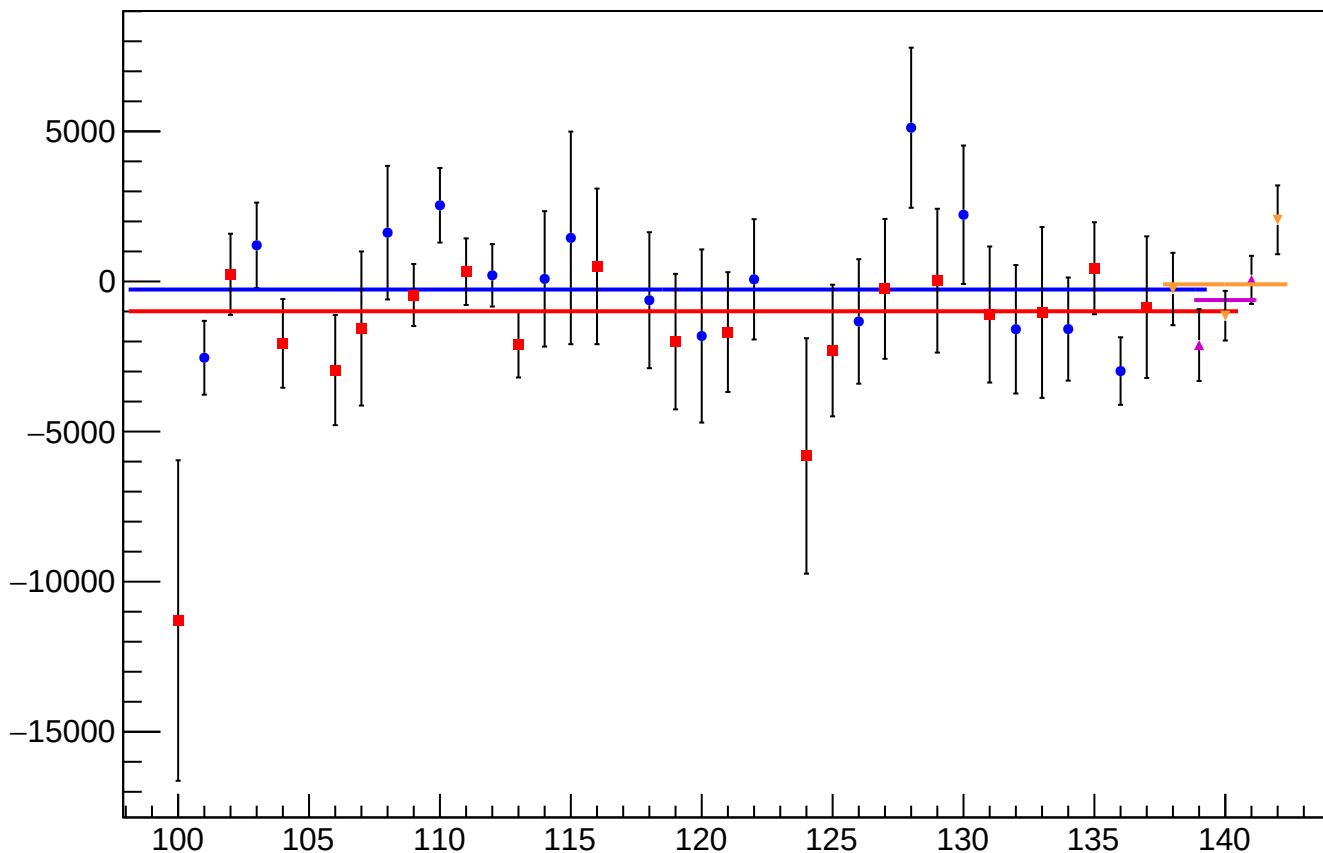
Left In: 96.161+/-0.052 χ^2/NDF : 39079.9/1

+ sign 92.994+/-0.022 χ^2/NDF : 638233.1/18

All: 91.974+/-0.016 χ^2/NDF : 1439819.1/39

- sign 90.972+/-0.022 χ^2/NDF : 797386.4/20

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -268.485+/-419.578 χ^2/NDF : 23.4/15

Left Out: -94.921+/-585.972 χ^2/NDF : 5.1/2

Right Out: -992.670+/-400.824 χ^2/NDF : 12.7/18

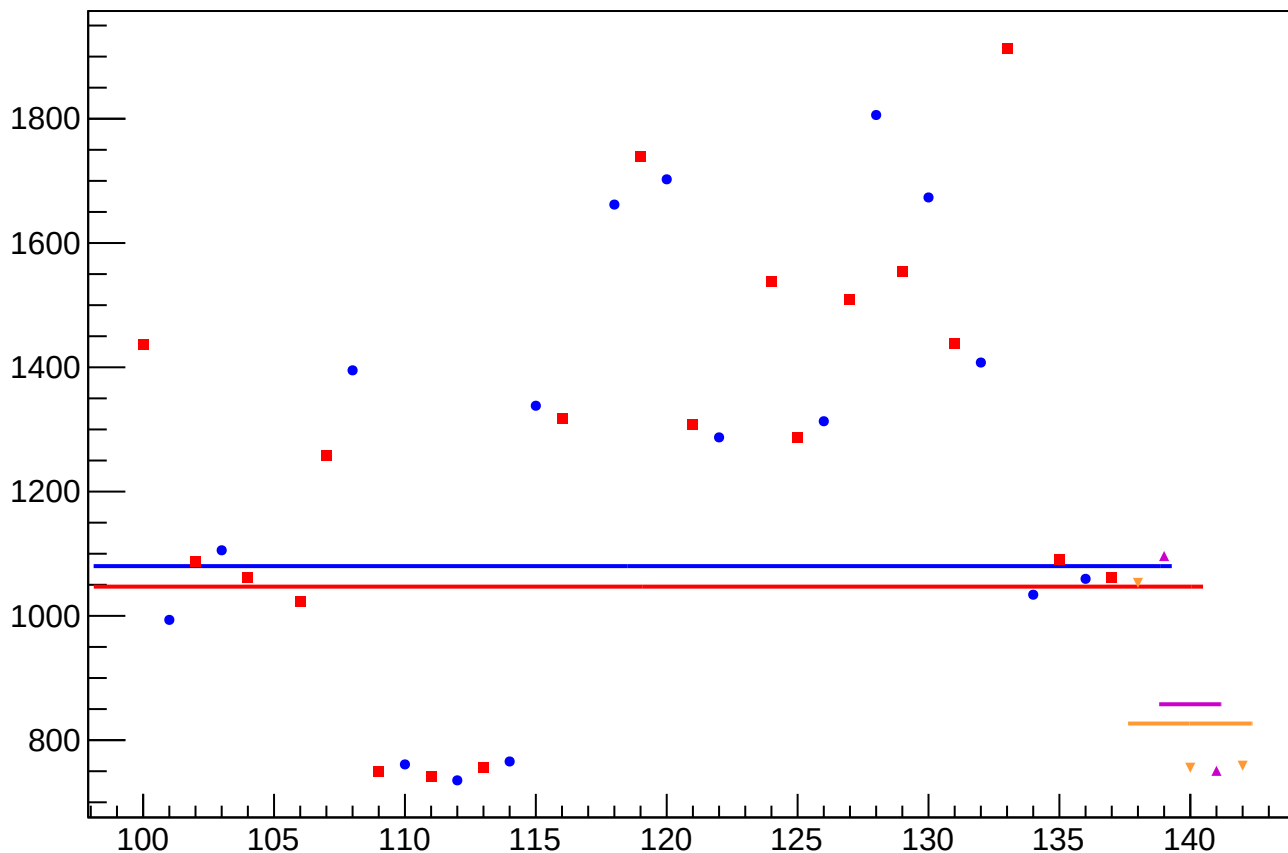
Left In: -619.569+/-665.720 χ^2/NDF : 2.3/1

+ sign -209.658+/-341.142 χ^2/NDF : 28.6/18

All: -549.288+/-242.013 χ^2/NDF : 45.8/39

- sign -893.402+/-343.387 χ^2/NDF : 15.2/20

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF : 1053468.5/15

Left Out: 826.725+/-0.414 χ^2/NDF : 92328.2/2

Right Out: 1047.068+/-0.283 χ^2/NDF : 1198646.2/18

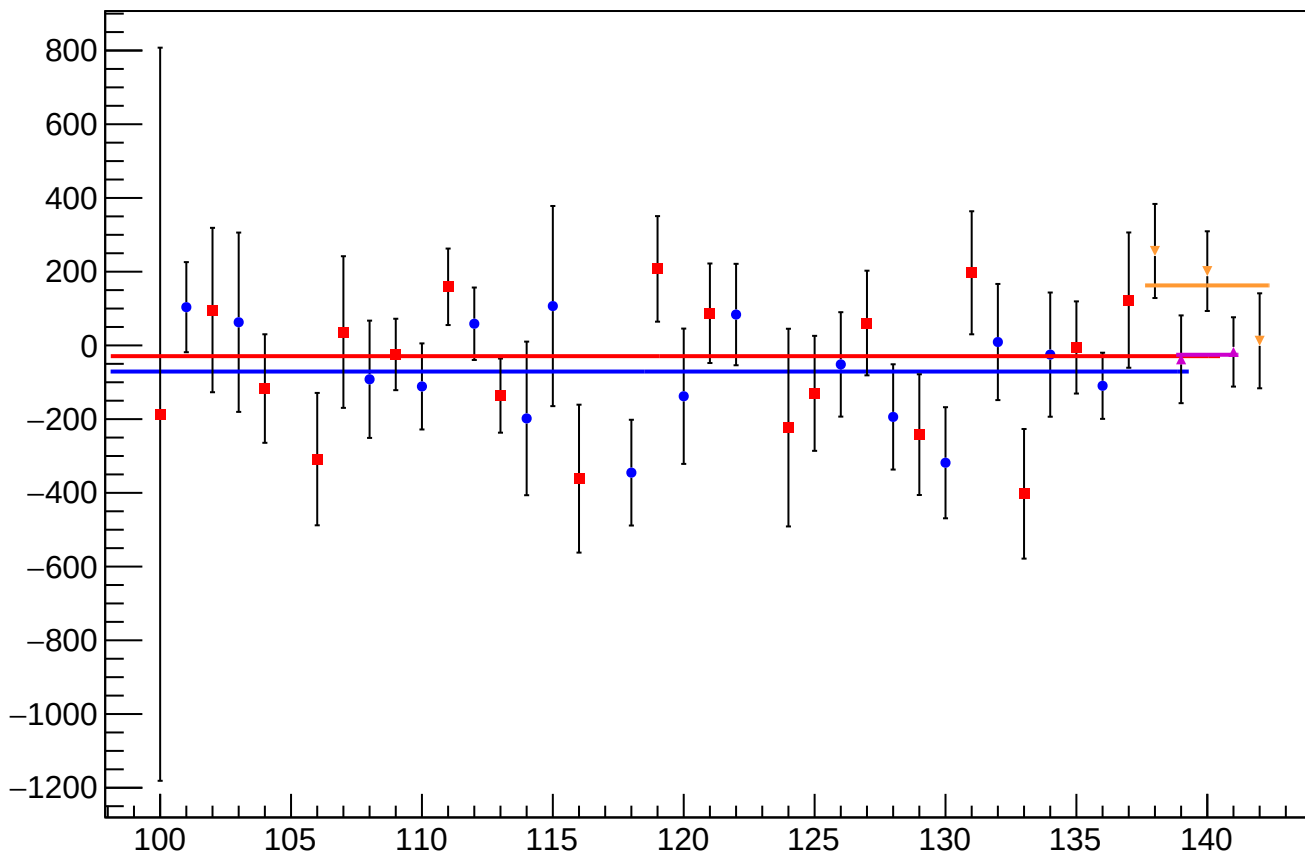
Left In: 857.782+/-0.471 χ^2/NDF : 115301.2/1

+ sign 994.186+/-0.241 χ^2/NDF : 1392890.2/18

All: 995.438+/-0.171 χ^2/NDF : 2825562.1/39

- sign 996.706+/-0.243 χ^2/NDF : 1432617.7/20

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903 ± 35.122 χ^2/NDF : 14.1/15

Left Out: 162.736 ± 69.473 χ^2/NDF : 2.0/2

Right Out: -29.159 ± 34.247 χ^2/NDF : 24.0/18

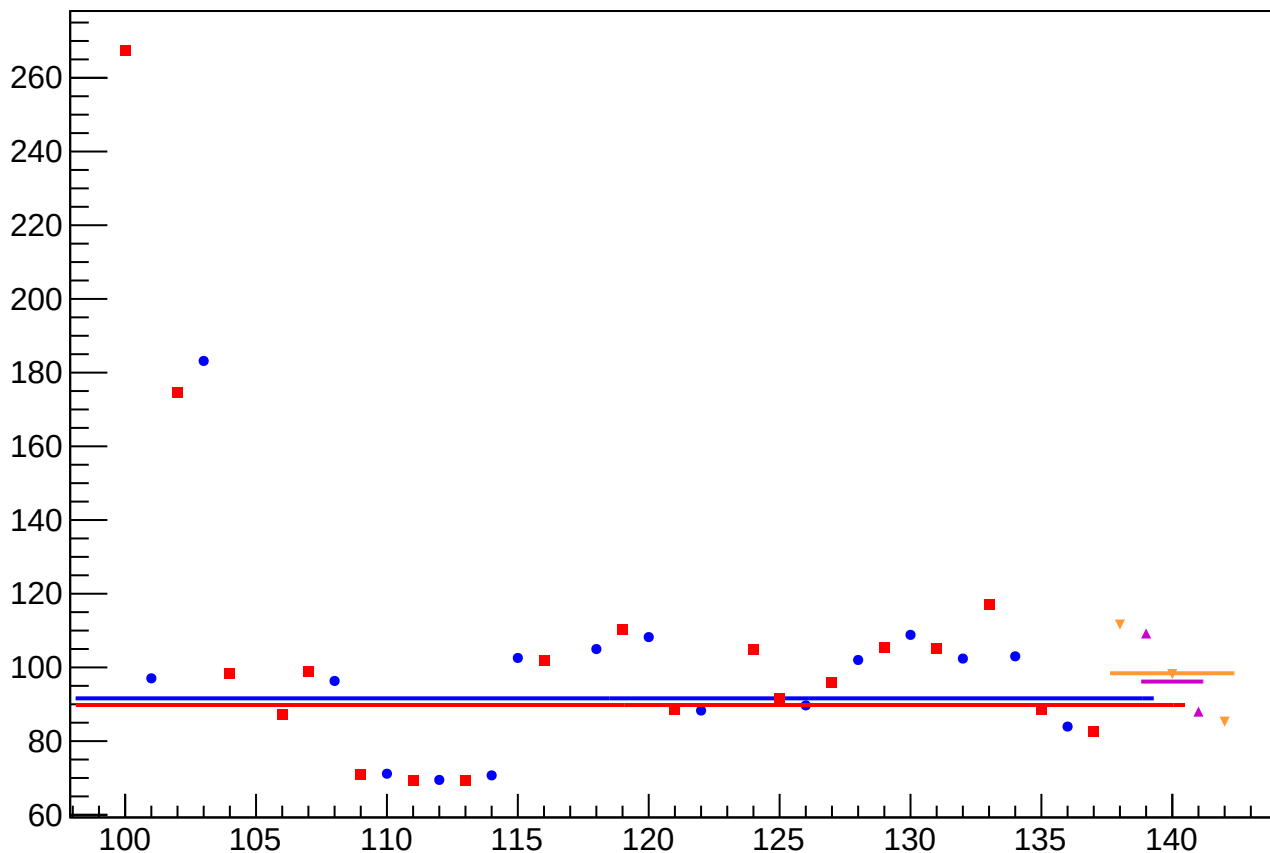
Left In: -25.367 ± 73.797 χ^2/NDF : 0.0/1

+ sign -23.344 ± 31.344 χ^2/NDF : 25.1/18

All: -25.939 ± 22.064 χ^2/NDF : 49.1/39

- sign -28.487 ± 31.065 χ^2/NDF : 24.0/20

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608 $\pm$ 0.025 χ^2 /NDF: 580675.9/15

Left Out: 98.416 $\pm$ 0.049 χ^2 /NDF: 42263.6/2

Right Out: 89.807 $\pm$ 0.024 χ^2 /NDF: 746833.4/18

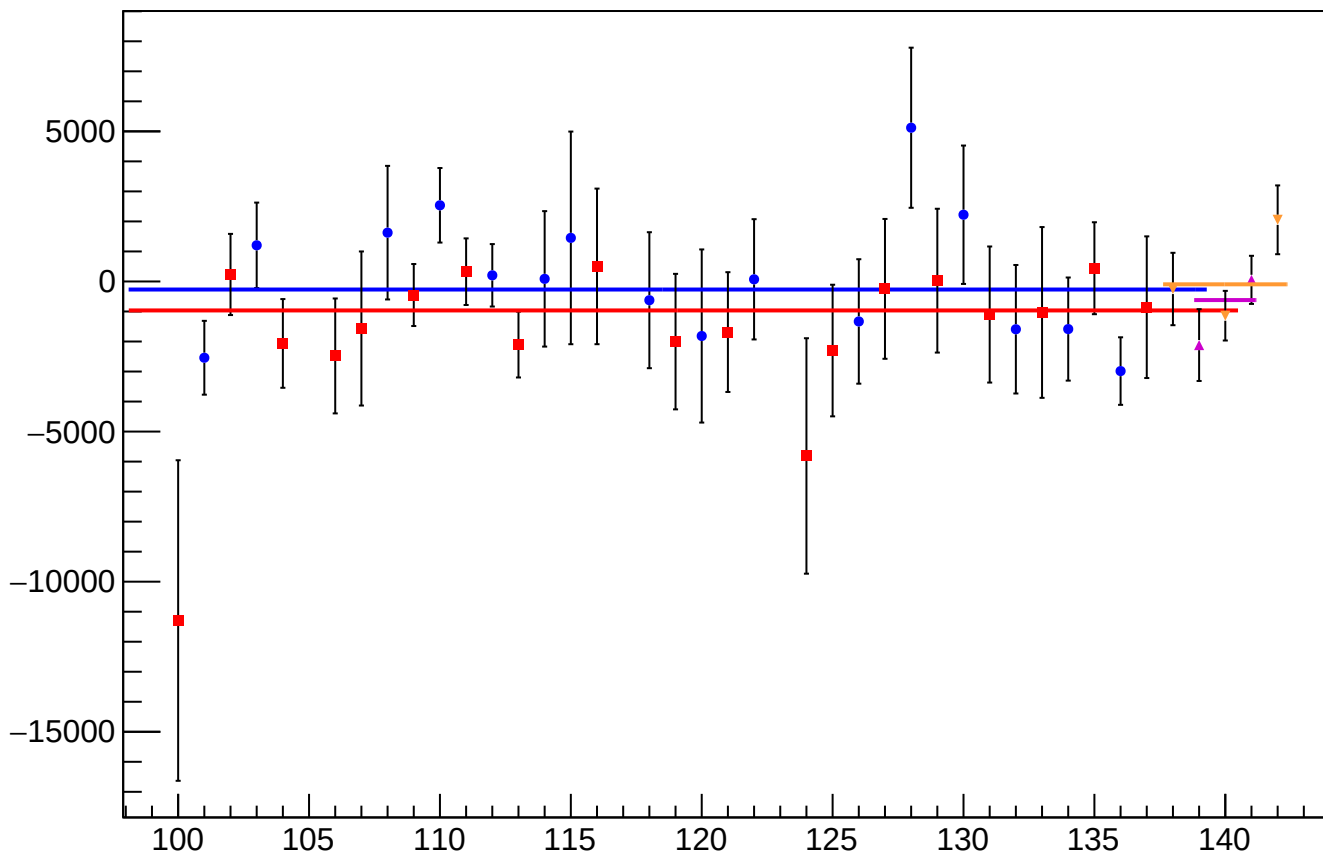
Left In: 96.161 $\pm$ 0.052 χ^2 /NDF: 39079.9/1

+ sign 92.994 $\pm$ 0.022 χ^2 /NDF: 638236.2/18

All: 91.954 $\pm$ 0.016 χ^2 /NDF: 1440709.9/39

- sign 90.933 $\pm$ 0.022 χ^2 /NDF: 798111.7/20

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -268.506 $\pm$ 419.581 χ^2 /NDF: 23.4/15

Left Out: -94.906 $\pm$ 585.972 χ^2 /NDF: 5.1/2

Right Out: -964.986 $\pm$ 401.633 χ^2 /NDF: 12.1/18

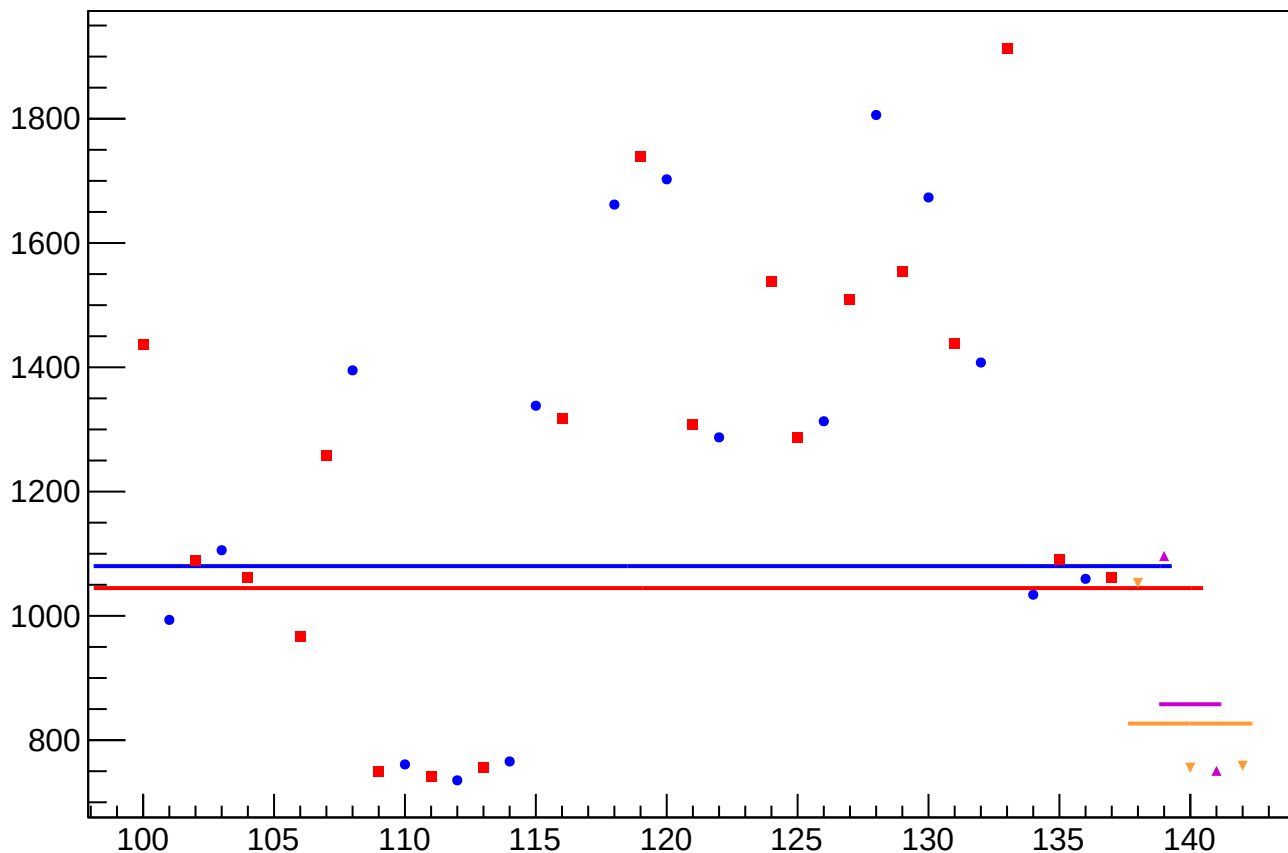
Left In: -619.590 $\pm$ 665.721 χ^2 /NDF: 2.3/1

+ sign -209.666 $\pm$ 341.143 χ^2 /NDF: 28.6/18

All: -538.578 $\pm$ 242.192 χ^2 /NDF: 45.1/39

- sign -872.817 $\pm$ 343.895 χ^2 /NDF: 14.6/20

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF : 1053475.0/15

Left Out: 826.724+/-0.414 χ^2/NDF : 92328.2/2

Right Out: 1044.717+/-0.284 χ^2/NDF : 1201825.8/18

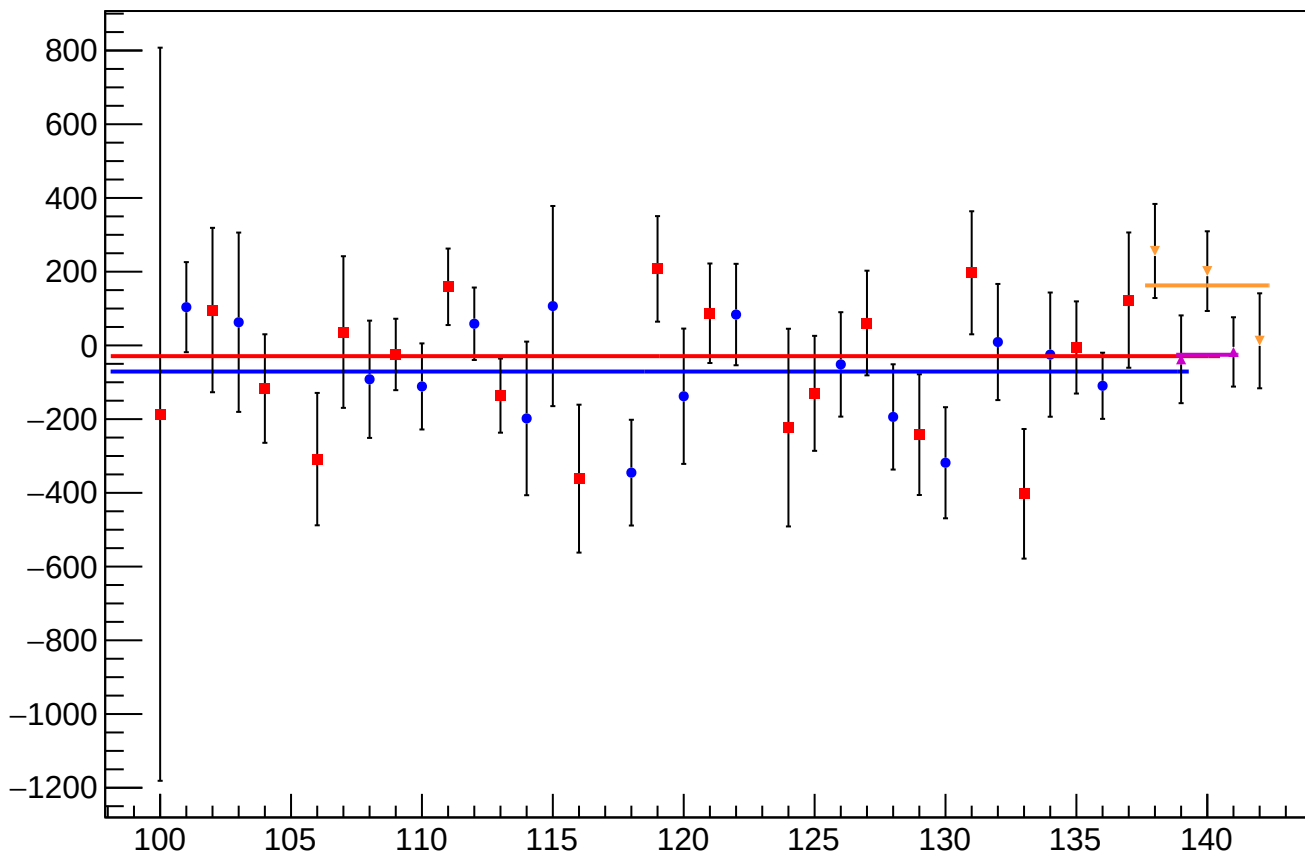
Left In: 857.783+/-0.471 χ^2/NDF : 115299.9/1

+ sign 994.190+/-0.241 χ^2/NDF : 1392914.4/18

All: 994.509+/-0.171 χ^2/NDF : 2825658.6/39

- sign 994.833+/-0.243 χ^2/NDF : 1432740.7/20

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903 ± 35.122 χ^2/NDF : 14.1/15

Left Out: 162.736 ± 69.473 χ^2/NDF : 2.0/2

Right Out: -29.159 ± 34.247 χ^2/NDF : 24.0/18

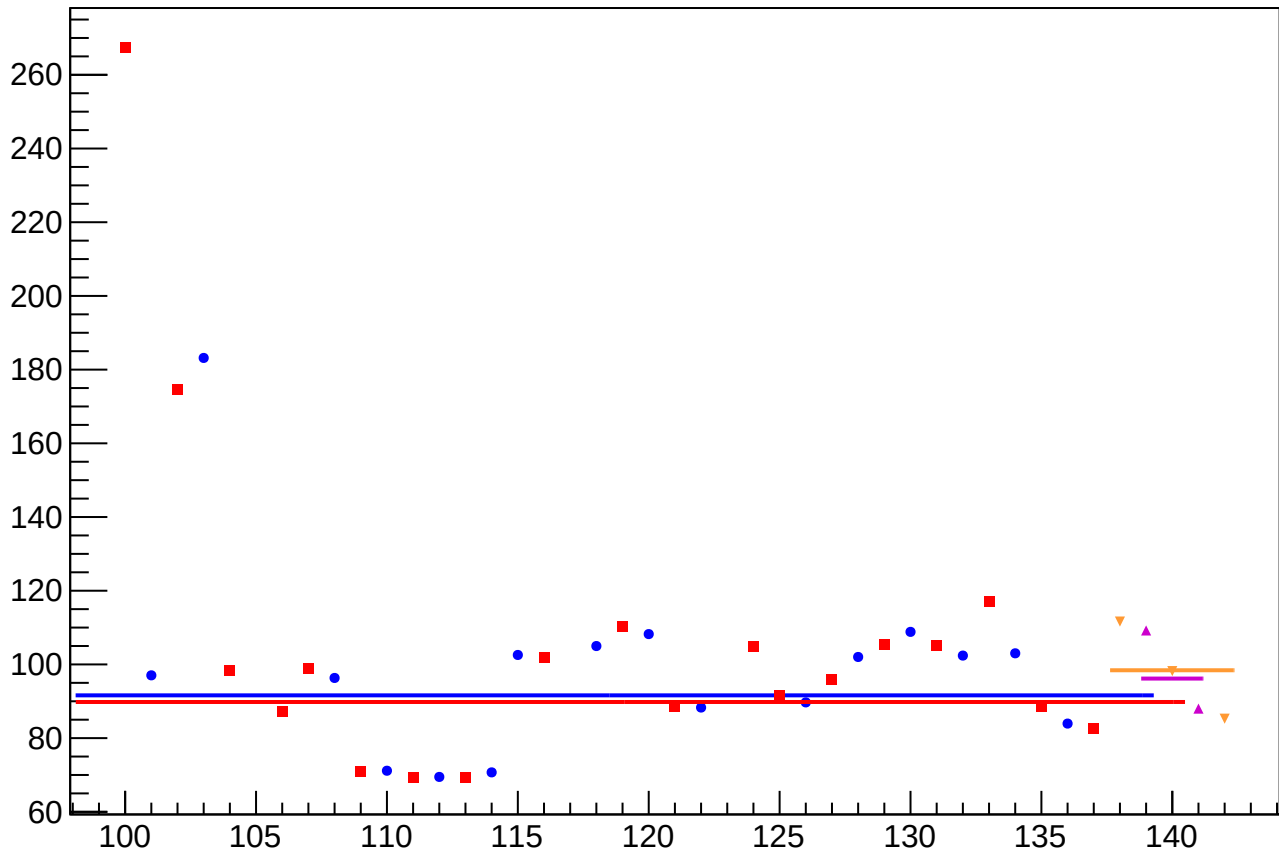
Left In: -25.367 ± 73.797 χ^2/NDF : 0.0/1

+ sign -23.344 ± 31.344 χ^2/NDF : 25.1/18

All: -25.939 ± 22.064 χ^2/NDF : 49.1/39

- sign -28.487 ± 31.065 χ^2/NDF : 24.0/20

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608 $\pm$ 0.025 χ^2 /NDF: 580675.9/15

Left Out: 98.416 $\pm$ 0.049 χ^2 /NDF: 42263.6/2

Right Out: 89.807 $\pm$ 0.024 χ^2 /NDF: 746833.4/18

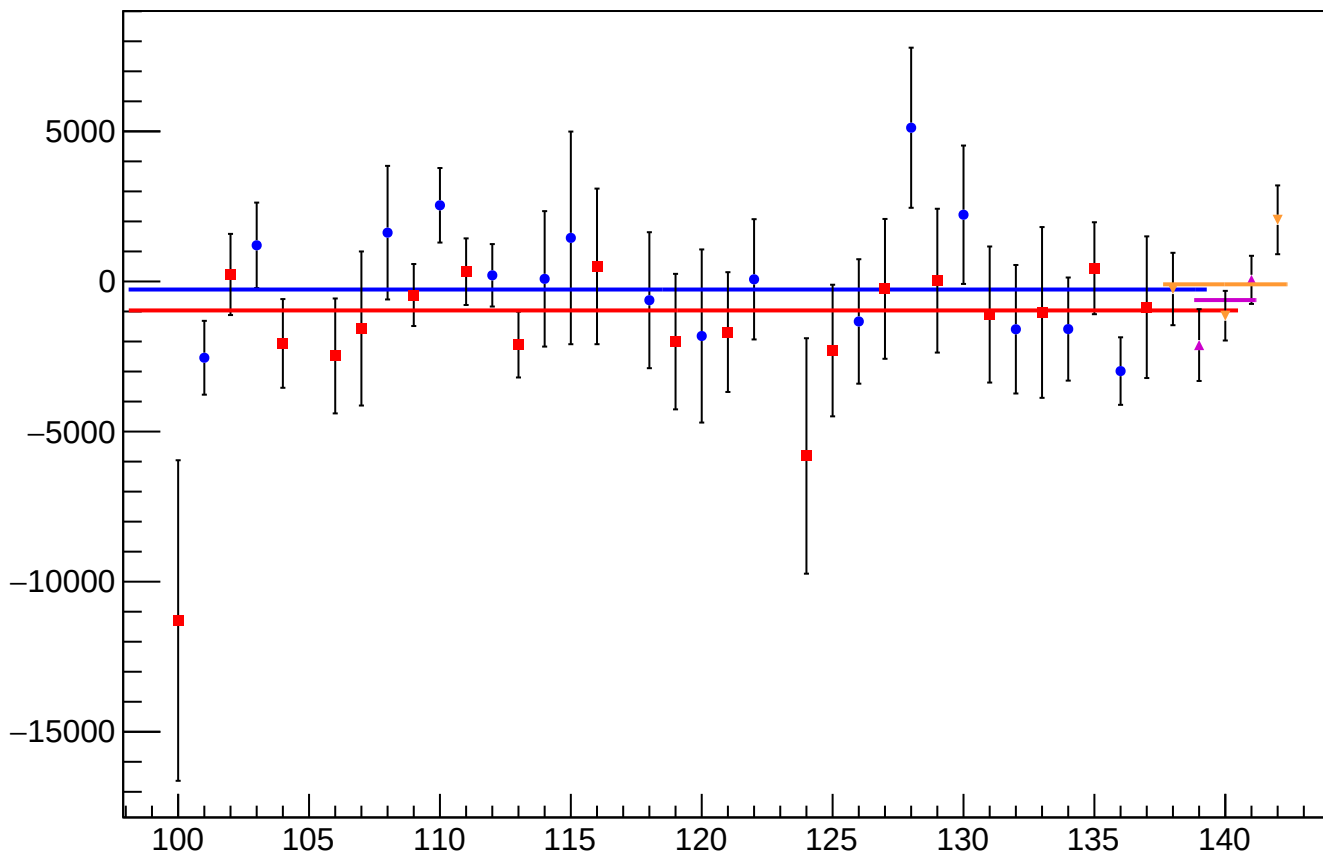
Left In: 96.161 $\pm$ 0.052 χ^2 /NDF: 39079.9/1

+ sign 92.994 $\pm$ 0.022 χ^2 /NDF: 638236.2/18

All: 91.954 $\pm$ 0.016 χ^2 /NDF: 1440709.9/39

- sign 90.933 $\pm$ 0.022 χ^2 /NDF: 798111.7/20

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug



Right In: -268.506+/-419.581 χ^2/NDF : 23.4/15

Left Out: -94.906+/-585.972 χ^2/NDF : 5.1/2

Right Out: -964.986+/-401.633 χ^2/NDF : 12.1/18

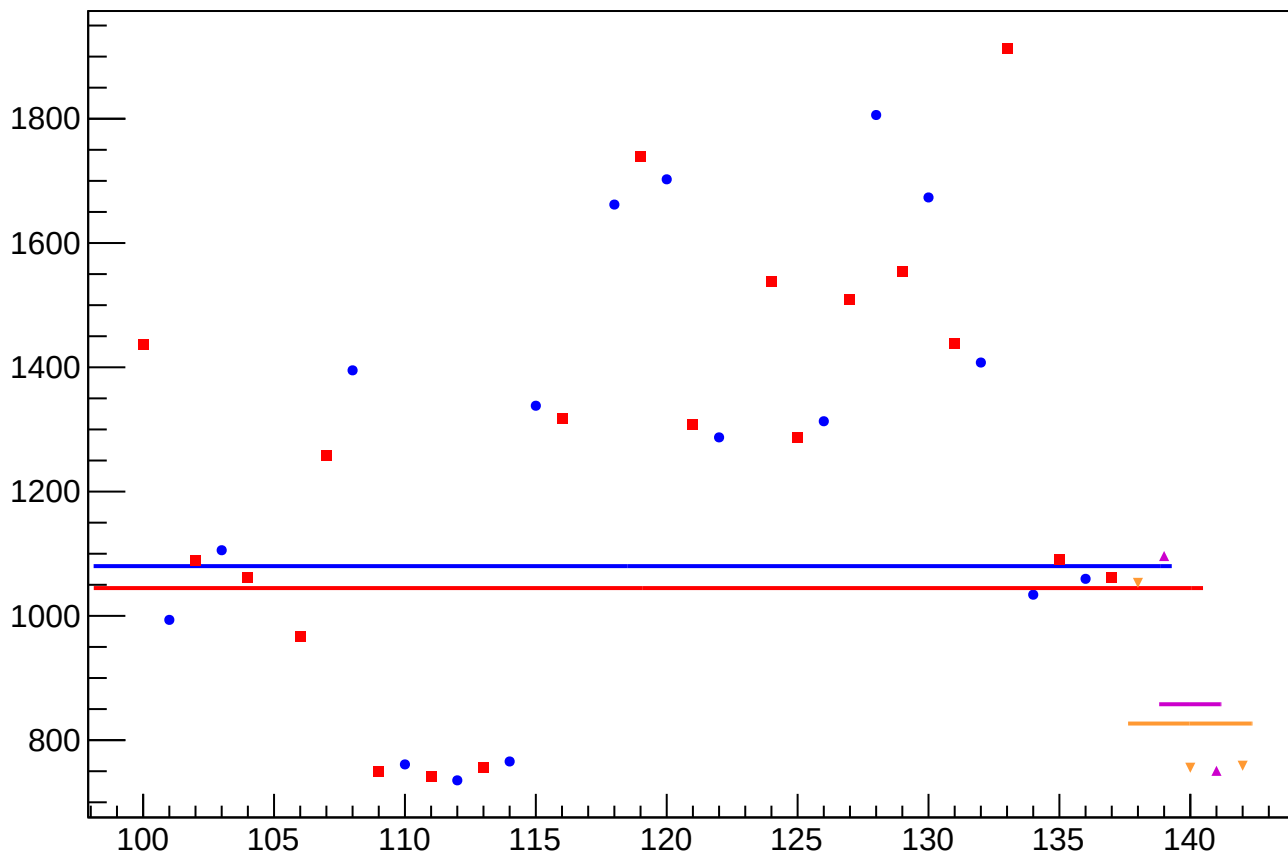
Left In: -619.590+/-665.721 χ^2/NDF : 2.3/1

+ sign -209.666+/-341.143 χ^2/NDF : 28.6/18

All: -538.578+/-242.192 χ^2/NDF : 45.1/39

- sign -872.817+/-343.895 χ^2/NDF : 14.6/20

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF : 1053475.0/15

Left Out: 826.724+/-0.414 χ^2/NDF : 92328.2/2

Right Out: 1044.717+/-0.284 χ^2/NDF : 1201825.8/18

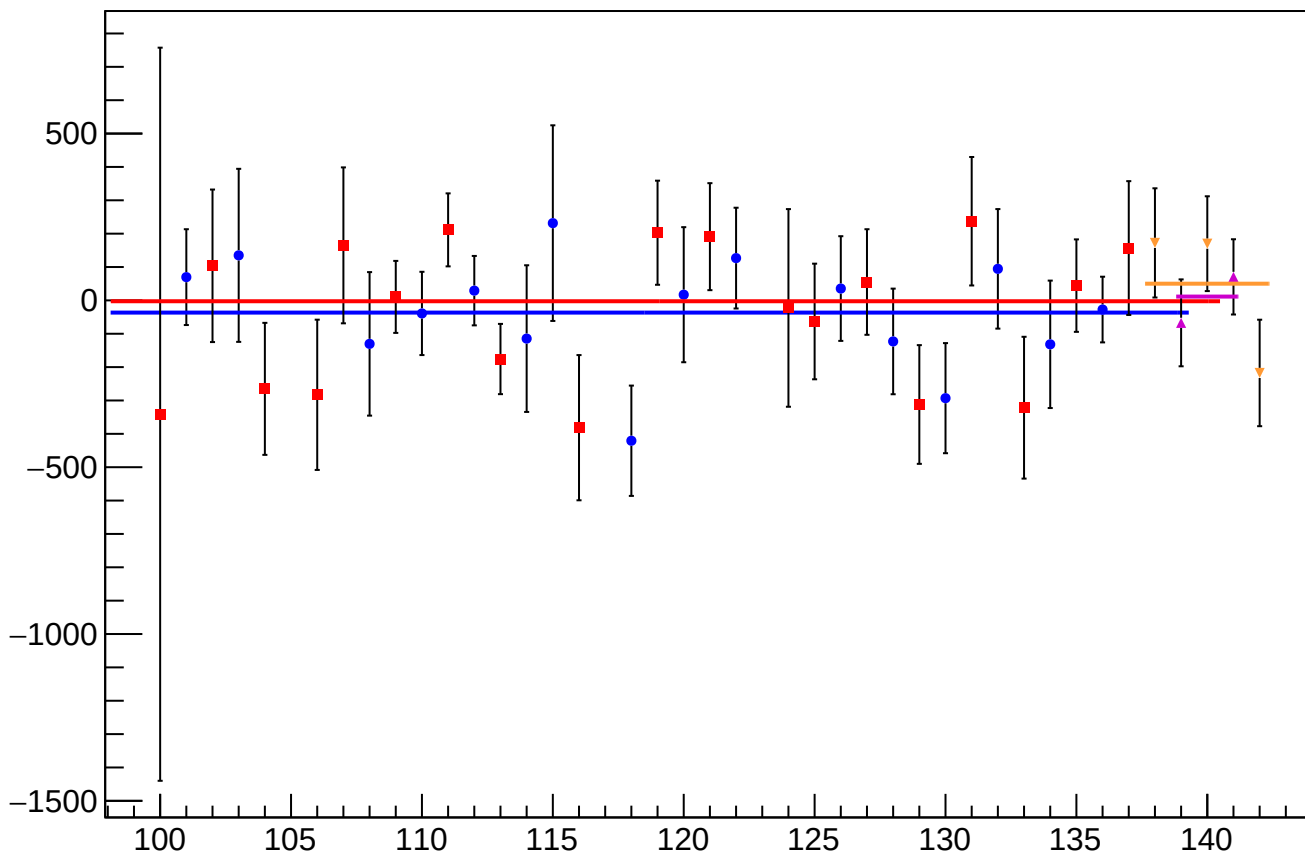
Left In: 857.783+/-0.471 χ^2/NDF : 115299.9/1

+ sign 994.190+/-0.241 χ^2/NDF : 1392914.4/18

All: 994.509+/-0.171 χ^2/NDF : 2825658.6/39

- sign 994.833+/-0.243 χ^2/NDF : 1432740.7/20

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590 ± 38.991 χ^2/NDF : 12.9/15

Left Out: 50.045 ± 89.038 χ^2/NDF : 4.1/2

Right Out: -2.568 ± 38.165 χ^2/NDF : 24.7/18

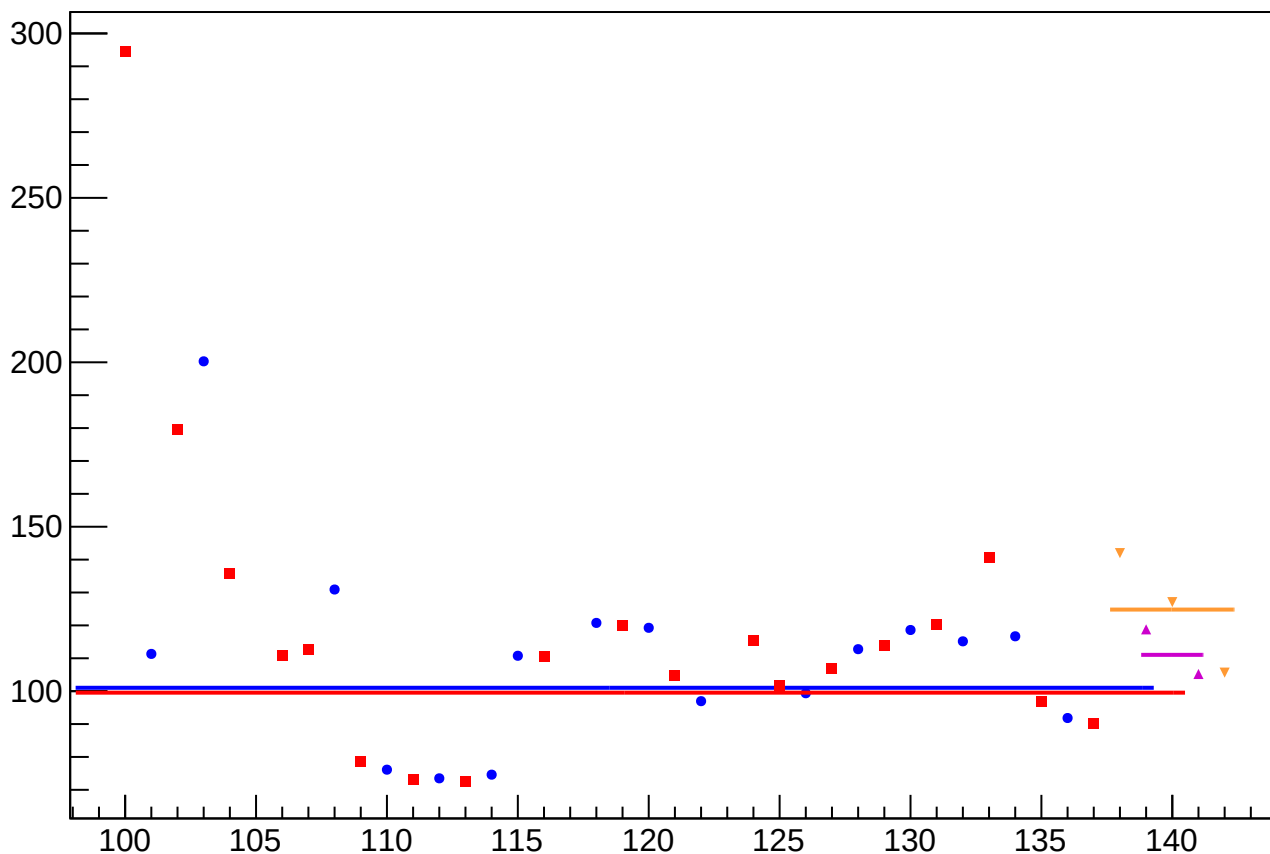
Left In: 11.419 ± 85.261 χ^2/NDF : 0.6/1

+ sign -22.650 ± 35.716 χ^2/NDF : 17.8/18

All: -11.161 ± 24.937 χ^2/NDF : 43.4/39

- sign -0.233 ± 34.834 χ^2/NDF : 25.4/20

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF : 716095.9/15

Left Out: 124.811+/-0.063 χ^2/NDF : 51387.3/2

Right Out: 99.547+/-0.027 χ^2/NDF : 880497.8/18

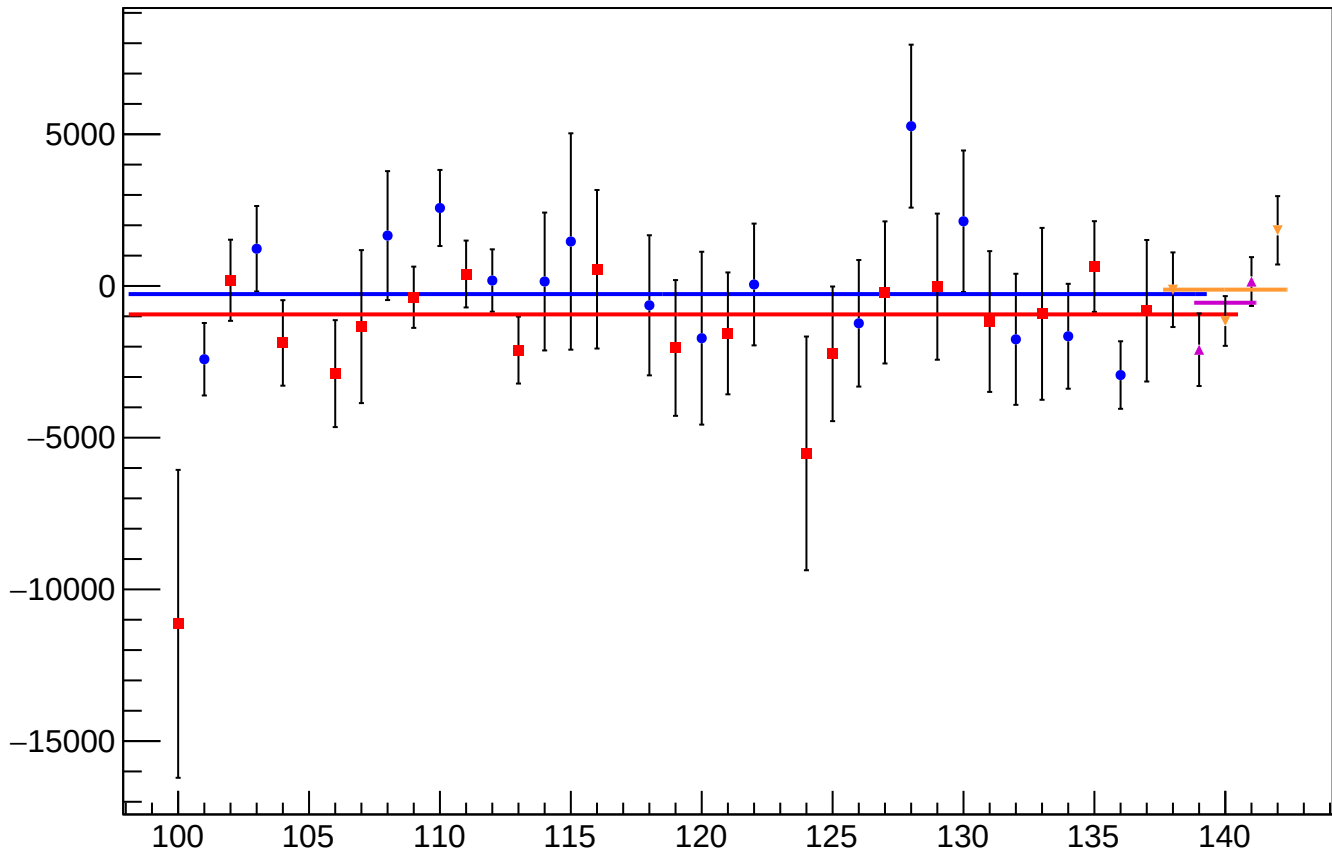
Left In: 111.043+/-0.060 χ^2/NDF : 12410.2/1

+ sign 104.858+/-0.025 χ^2/NDF : 887183.8/18

All: 103.119+/-0.018 χ^2/NDF : 1819622.7/39

- sign 101.466+/-0.025 χ^2/NDF : 923196.1/20

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF : 23.5/15

Left Out: -120.610+/-583.505 χ^2/NDF : 4.6/2

Right Out: -936.734+/-396.234 χ^2/NDF : 13.1/18

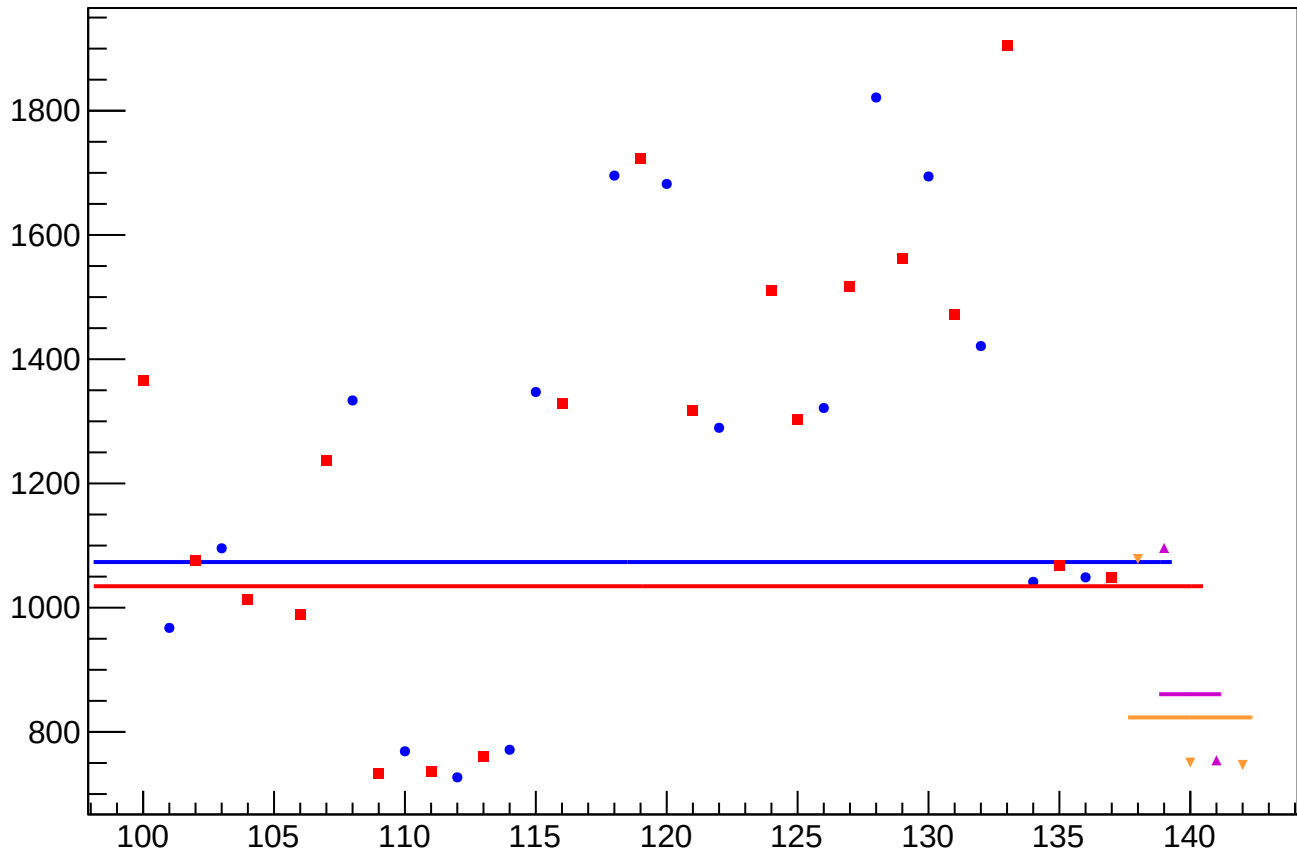
Left In: -553.137+/-667.413 χ^2/NDF : 2.4/1

+ sign -218.087+/-339.302 χ^2/NDF : 28.1/18

All: -526.142+/-240.420 χ^2/NDF : 45.6/39

- sign -836.765+/-340.713 χ^2/NDF : 15.8/20

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF : 1077055.9/15

Left Out: 823.316+/-0.413 χ^2/NDF :110987.8/2

Right Out: 1034.535+/-0.280 χ^2/NDF : 1229344.1/18

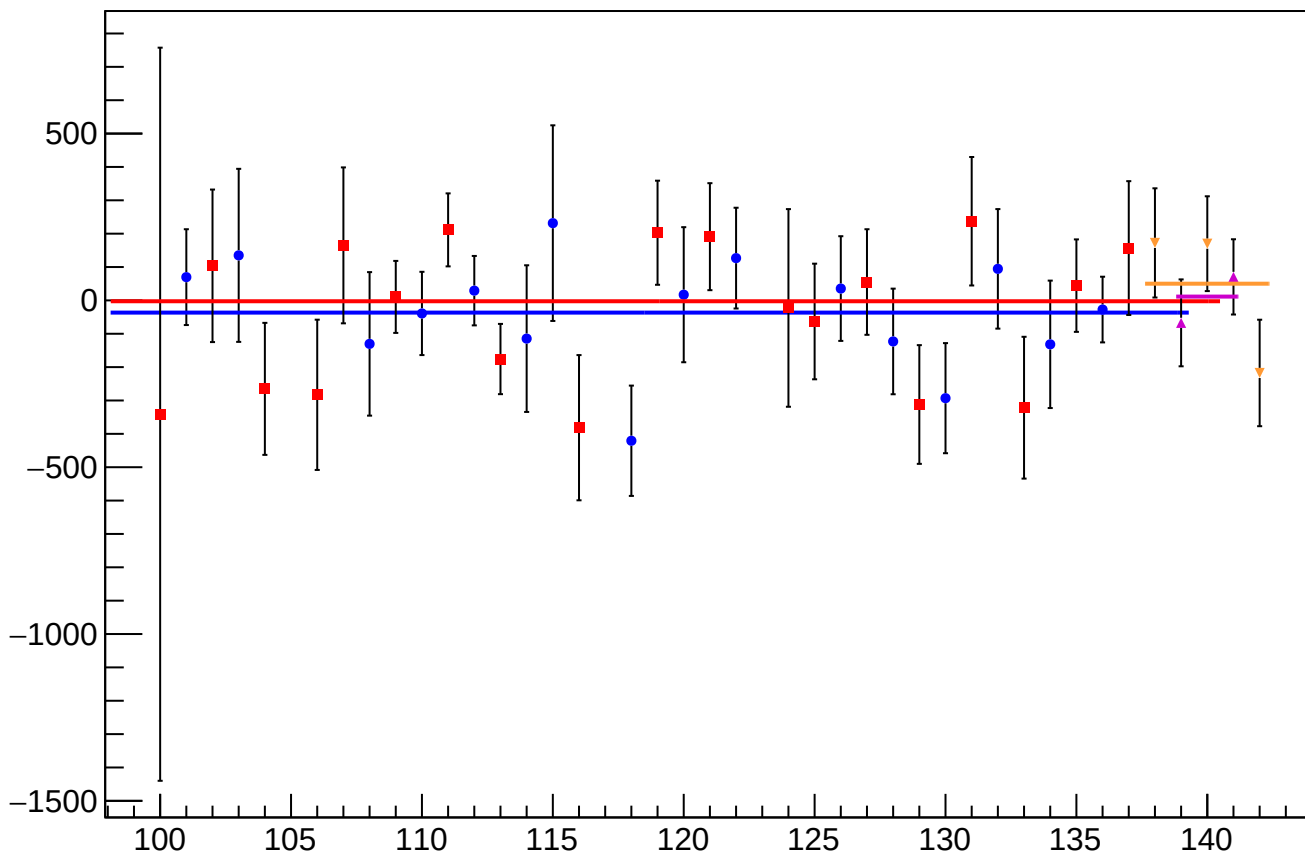
Left In: 860.680+/-0.472 χ^2/NDF :112496.5/1

+ sign 988.876+/-0.240 χ^2/NDF : 1431308.5/18

All: 989.051+/-0.170 χ^2/NDF : 2873494.1/39

- sign 989.227+/-0.241 χ^2/NDF : 1442184.5/20

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589 ± 38.991 χ^2/NDF : 12.9/15

Left Out: 50.046 ± 89.038 χ^2/NDF : 4.1/2

Right Out: -2.566 ± 38.165 χ^2/NDF : 24.7/18

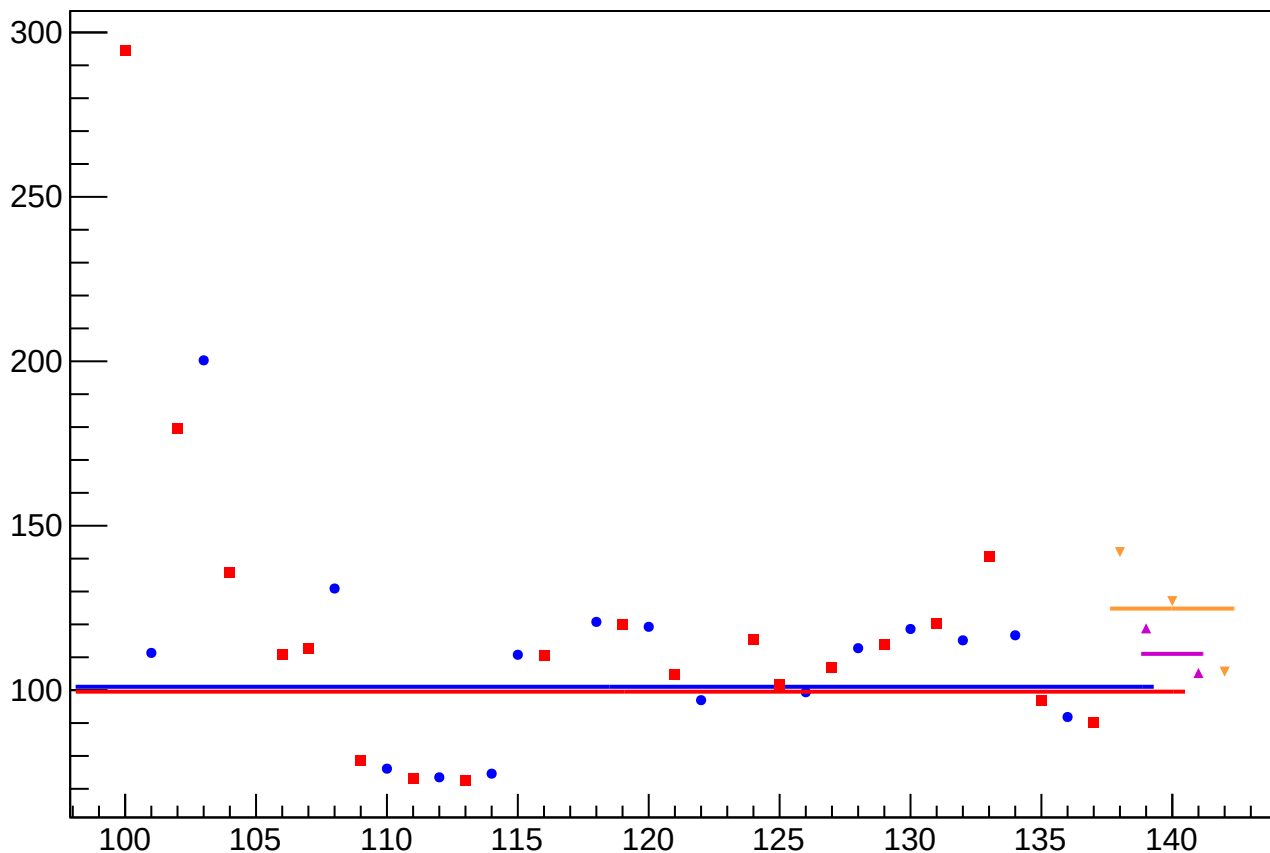
Left In: 11.418 ± 85.261 χ^2/NDF : 0.6/1

+ sign -22.649 ± 35.716 χ^2/NDF : 17.8/18

All: -11.160 ± 24.938 χ^2/NDF : 43.4/39

- sign -0.232 ± 34.834 χ^2/NDF : 25.4/20

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031 $\pm$ 0.028 χ^2 /NDF: 716094.5/15

Left Out: 124.811 $\pm$ 0.063 χ^2 /NDF: 51385.9/2

Right Out: 99.547 $\pm$ 0.027 χ^2 /NDF: 880499.8/18

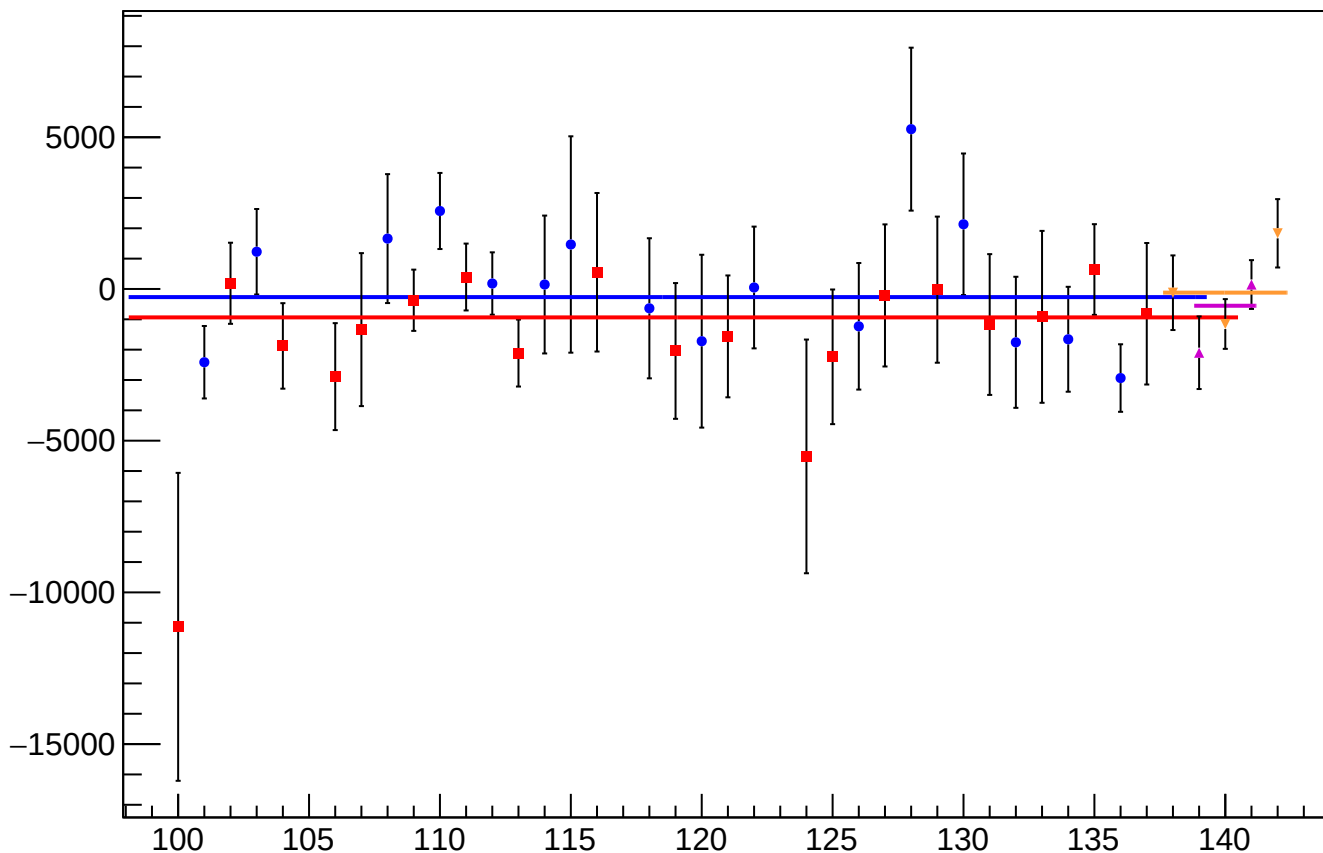
Left In: 111.043 $\pm$ 0.060 χ^2 /NDF: 12409.3/1

+ sign 104.858 $\pm$ 0.025 χ^2 /NDF: 887182.0/18

All: 103.119 $\pm$ 0.018 χ^2 /NDF: 1819622.4/39

- sign 101.466 $\pm$ 0.025 χ^2 /NDF: 923197.7/20

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug



Right In: -267.885+/-417.061 χ^2/NDF : 23.5/15

Left Out: -120.613+/-583.504 χ^2/NDF : 4.6/2

Right Out: -936.732+/-396.234 χ^2/NDF : 13.1/18

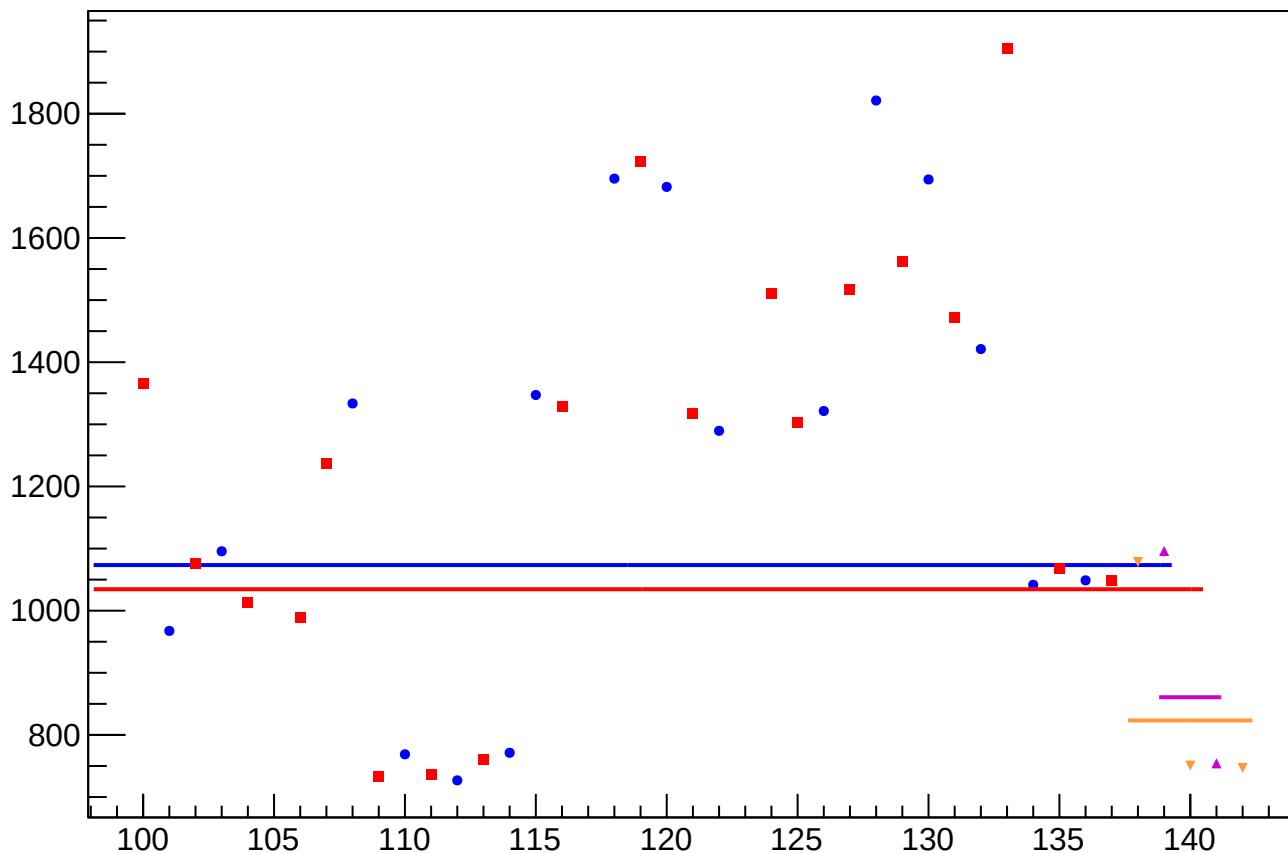
Left In: -553.137+/-667.411 χ^2/NDF : 2.4/1

+ sign -218.088+/-339.301 χ^2/NDF : 28.1/18

All: -526.141+/-240.420 χ^2/NDF : 45.6/39

- sign -836.764+/-340.713 χ^2/NDF : 15.8/20

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



Right In: 1073.454+/-0.295 χ^2/NDF : 1077061.8/15

Left Out: 823.315+/-0.413 χ^2/NDF : 110987.4/2

Right Out: 1034.533+/-0.280 χ^2/NDF : 1229346.7/18

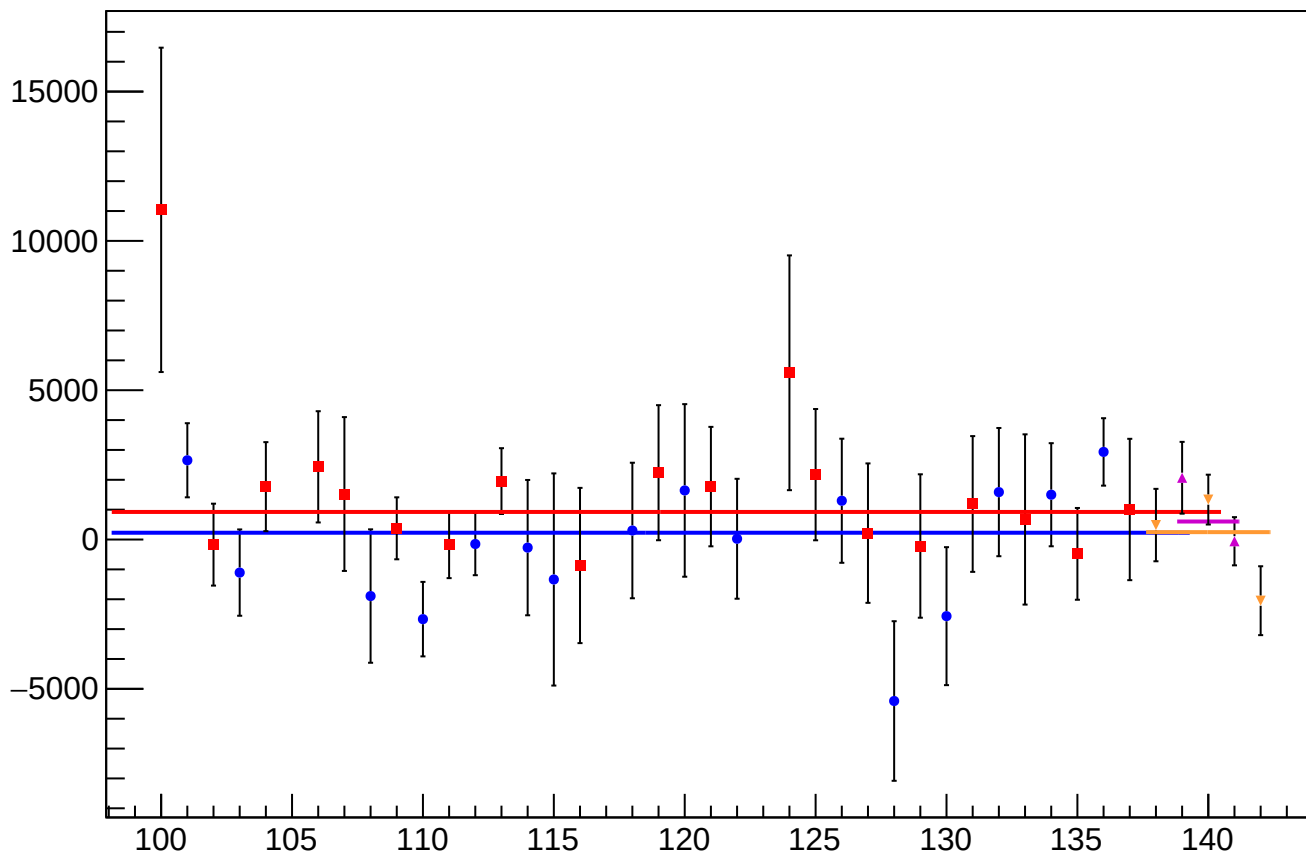
Left In: 860.678+/-0.472 χ^2/NDF : 112497.4/1

+ sign 988.874+/-0.240 χ^2/NDF : 1431312.8/18

All: 989.049+/-0.170 χ^2/NDF : 2873502.1/39

- sign 989.225+/-0.241 χ^2/NDF : 1442188.2/20

asym_sam_3748_avg_mean vs Slug



Right In: 227.502 $\pm$ 421.838 χ^2 /NDF: 24.4/15

Left Out: 247.632 $\pm$ 590.362 χ^2 /NDF:5.7/2

Right Out: 923.649 $\pm$ 403.102 χ^2 /NDF: 11.2/18

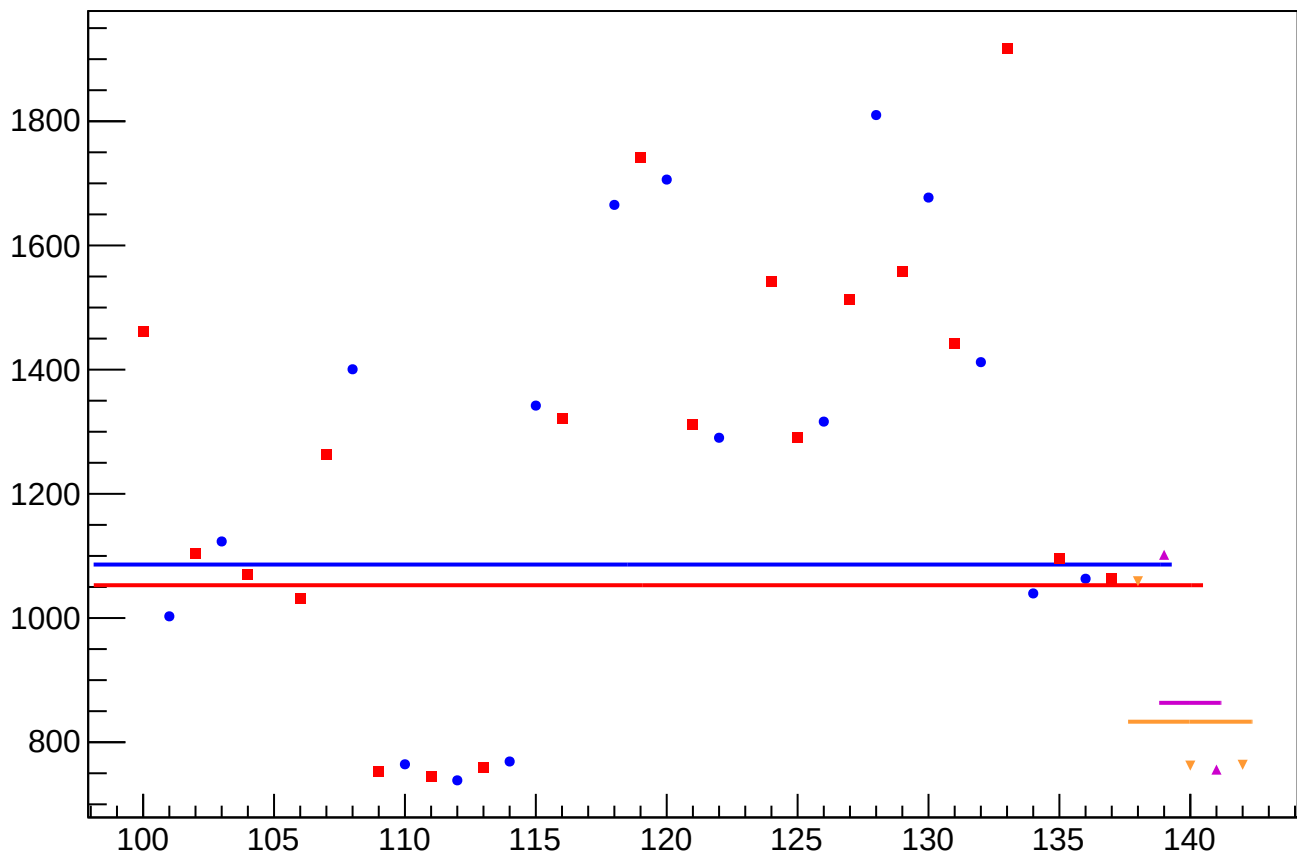
Left In: 603.156 $\pm$ 669.974 χ^2 /NDF:2.2/1

+ sign 234.306 $\pm$ 343.222 χ^2 /NDF: 30.2/18

All: 534.473 $\pm$ 243.462 χ^2 /NDF: 45.2/39

- sign 838.465 $\pm$ 345.403 χ^2 /NDF: 13.5/20

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF : 1047479.6/15

Left Out: 833.051+/-0.417 χ^2/NDF : 91180.1/2

Right Out: 1052.831+/-0.285 χ^2/NDF : 1194420.8/18

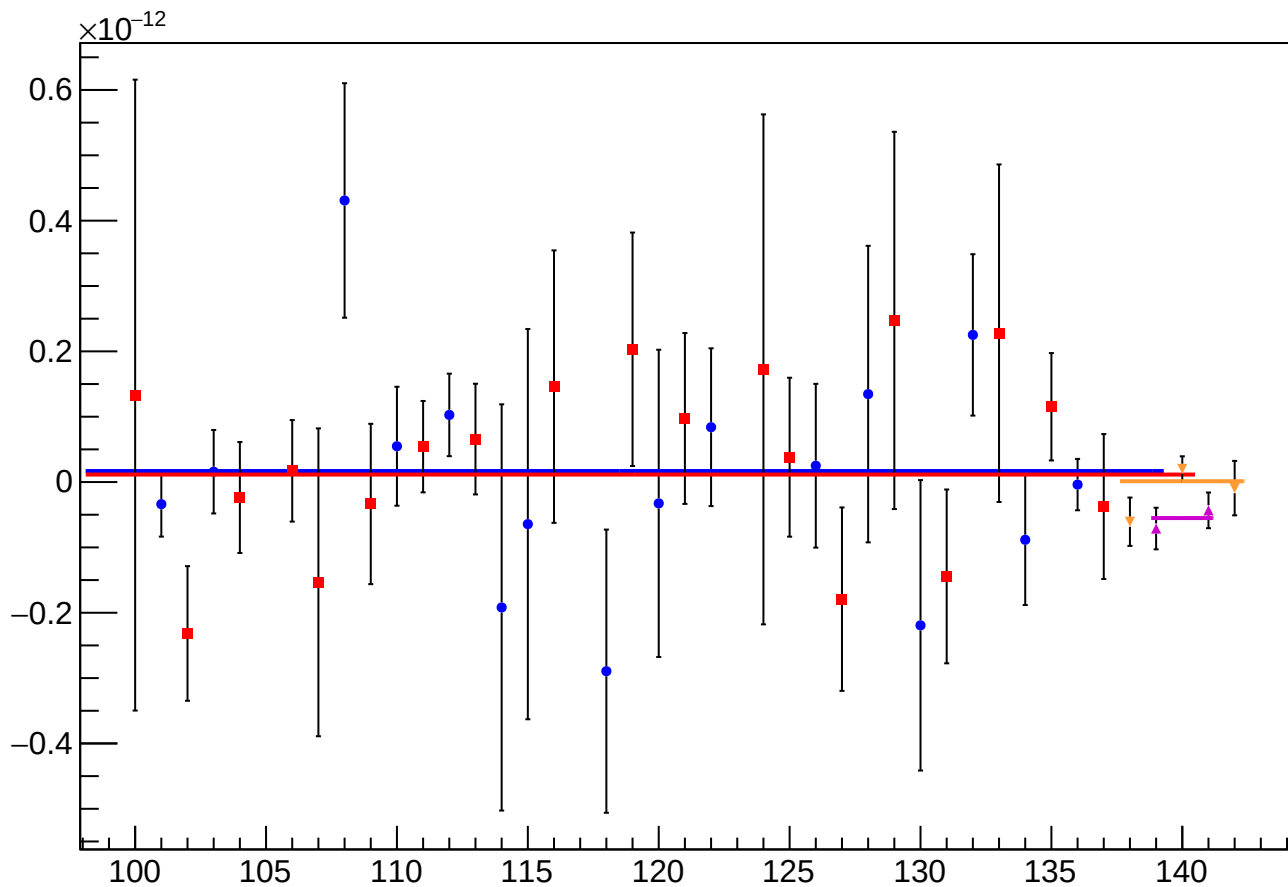
Left In: 863.425+/-0.474 χ^2/NDF : 114203.6/1

+ sign 1000.595+/-0.243 χ^2/NDF : 1381986.1/18

All: 1001.536+/-0.172 χ^2/NDF : 2808000.8/39

- sign 1002.489+/-0.244 χ^2/NDF : 1425984.4/20

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:3.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/18

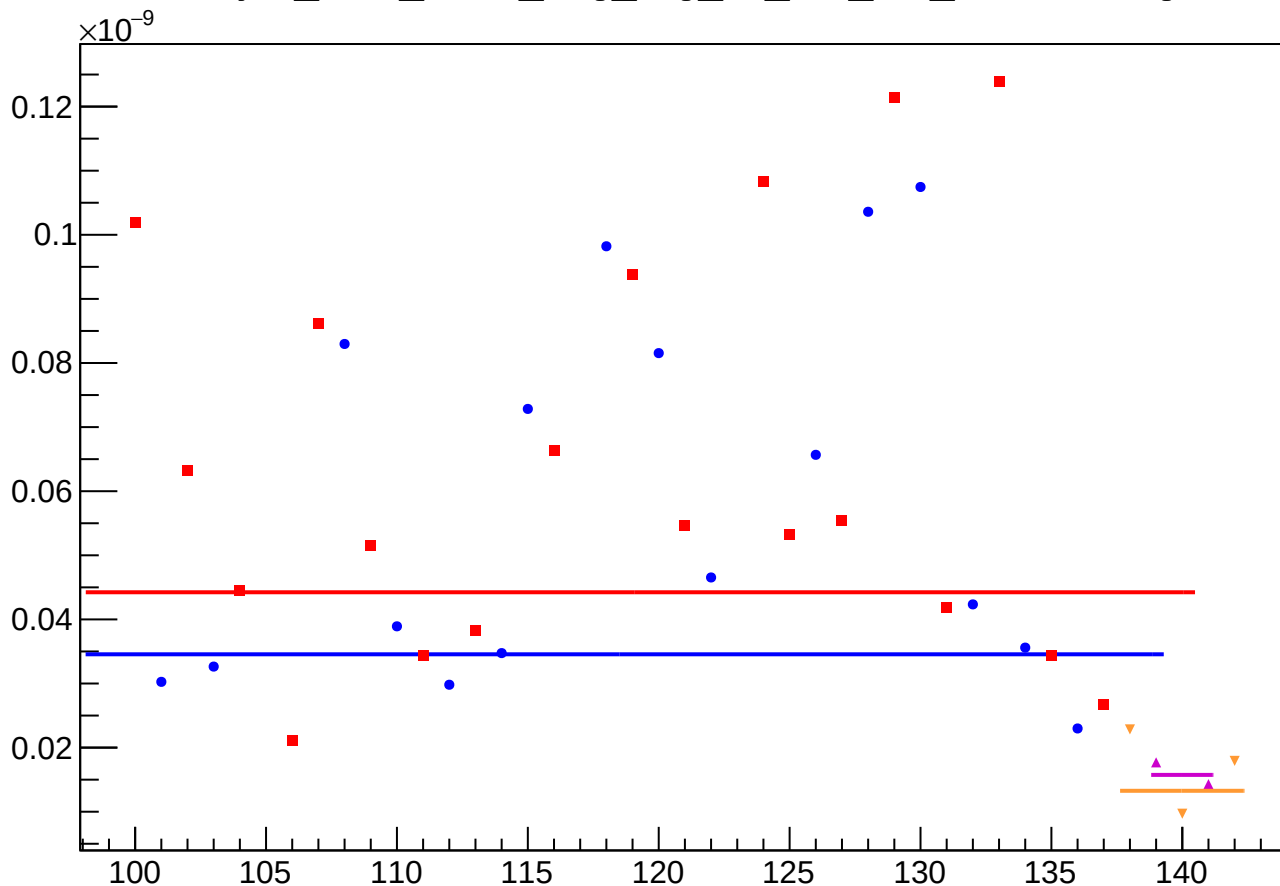
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 44.3/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/20

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1188815.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 228489.7/2

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1073061.4/18

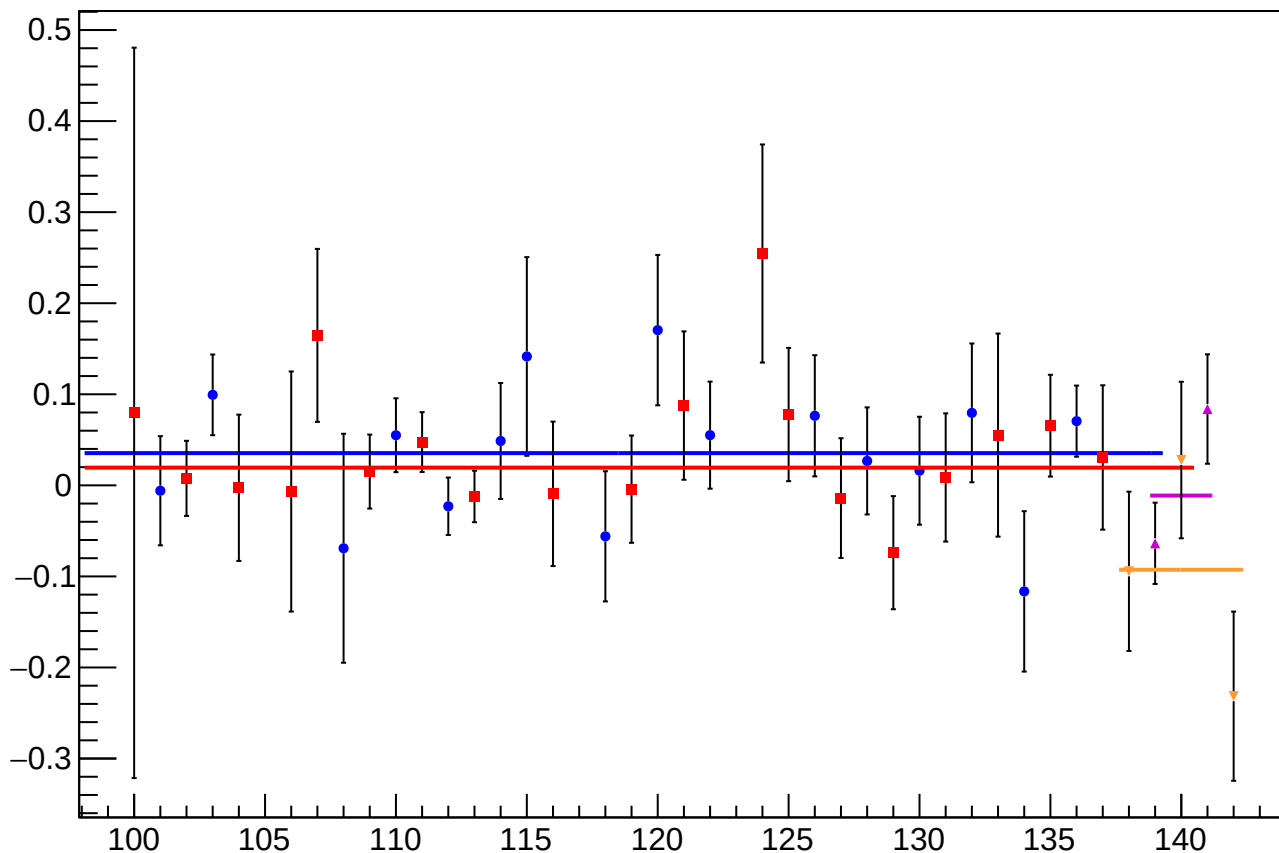
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 13115.9/1

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 2668048.7/18

All: 0.000 $\pm$ 0.000 χ^2/NDF : 5317073.6/39

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 2494417.8/20

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: -0.093 $\pm$ 0.051 χ^2 /NDF: 4.2/2

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

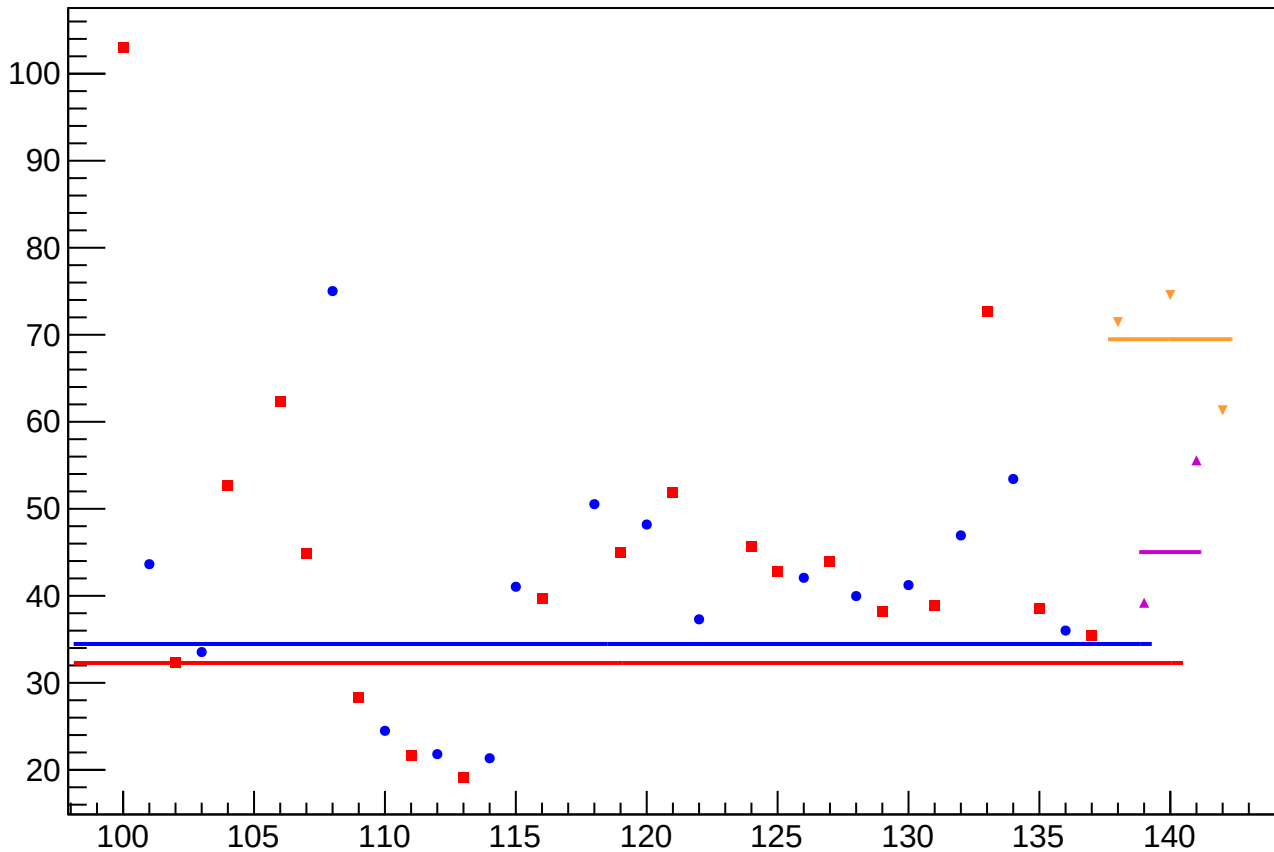
Left In: -0.011 $\pm$ 0.036 χ^2 /NDF: 3.9/1

+ sign 0.027 $\pm$ 0.013 χ^2 /NDF: 27.0/18

All: 0.021 $\pm$ 0.009 χ^2 /NDF: 45.2/39

- sign 0.016 $\pm$ 0.012 χ^2 /NDF: 17.9/20

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: 69.483 $\pm$ 0.036 χ^2 /NDF: 23494.3/2

Right Out: 32.285 $\pm$ 0.009 χ^2 /NDF: 1672637.0/18

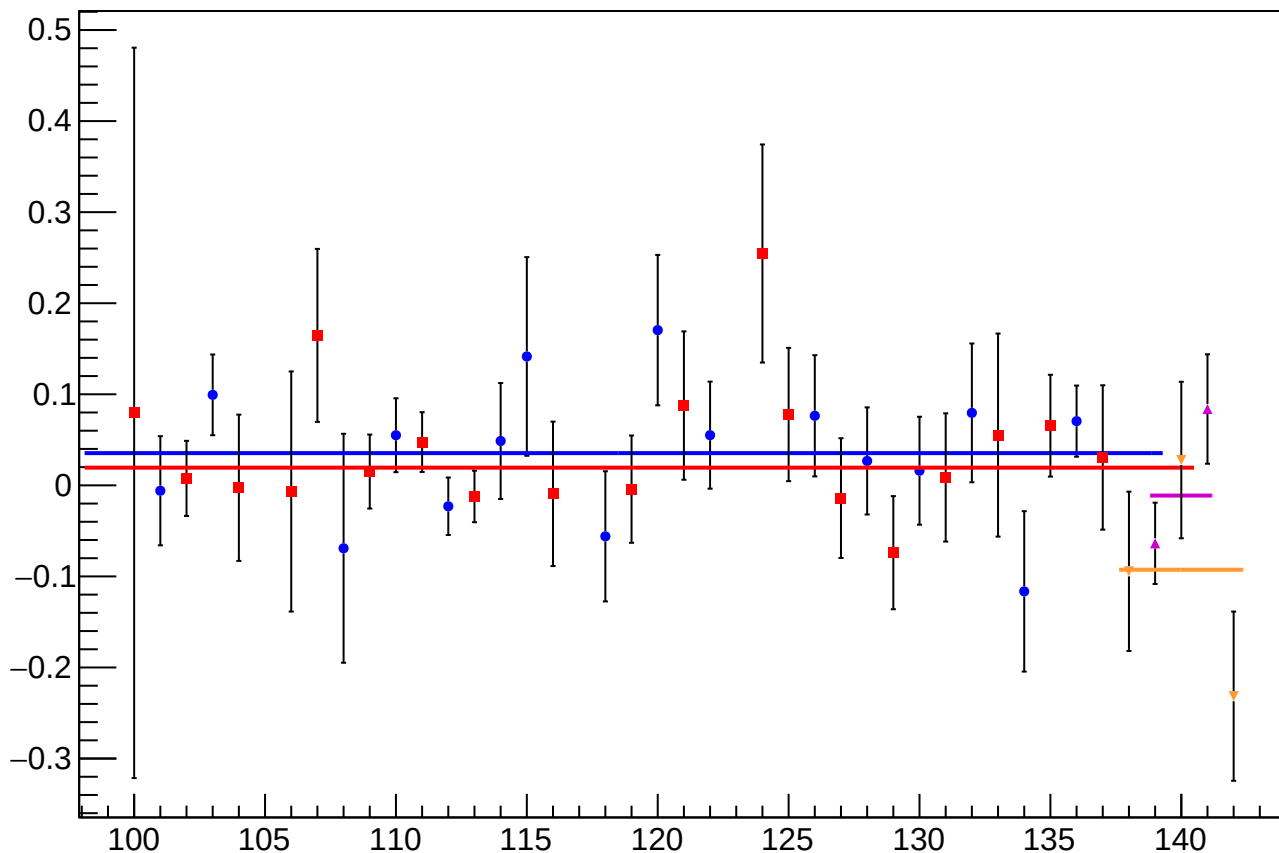
Left In: 45.026 $\pm$ 0.025 χ^2 /NDF: 95642.1/1

+ sign 36.872 $\pm$ 0.009 χ^2 /NDF: 2067060.5/18

All: 35.203 $\pm$ 0.006 χ^2 /NDF: 4115591.0/39

- sign 33.792 $\pm$ 0.009 χ^2 /NDF: 1991322.9/20

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: -0.093 $\pm$ 0.051 χ^2 /NDF: 4.2/2

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

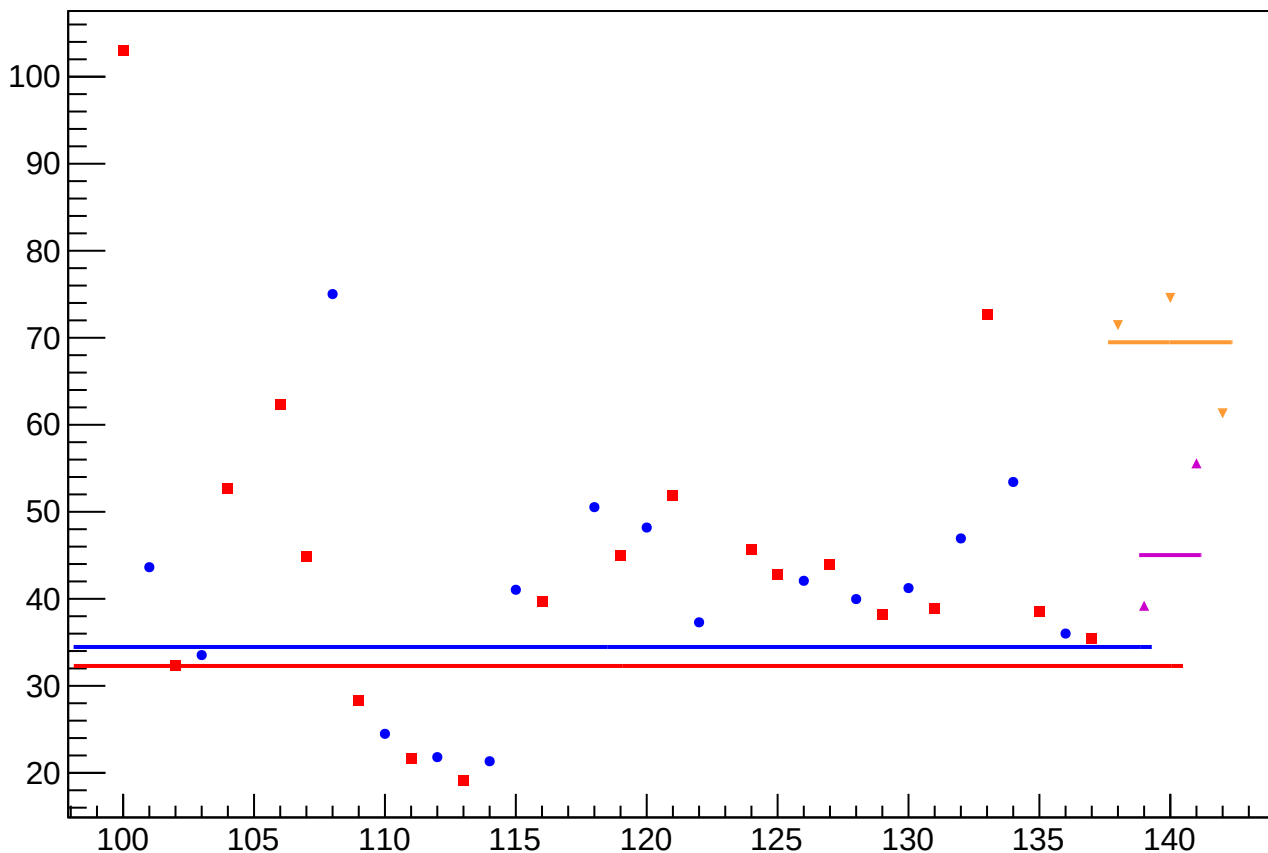
Left In: -0.011 $\pm$ 0.036 χ^2 /NDF: 3.9/1

+ sign 0.027 $\pm$ 0.013 χ^2 /NDF: 27.0/18

All: 0.021 $\pm$ 0.009 χ^2 /NDF: 45.2/39

- sign 0.016 $\pm$ 0.012 χ^2 /NDF: 17.9/20

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: 69.483 $\pm$ 0.036 χ^2/NDF : 23494.3/2

Right Out: 32.285 $\pm$ 0.009 χ^2/NDF : 1672637.0/18

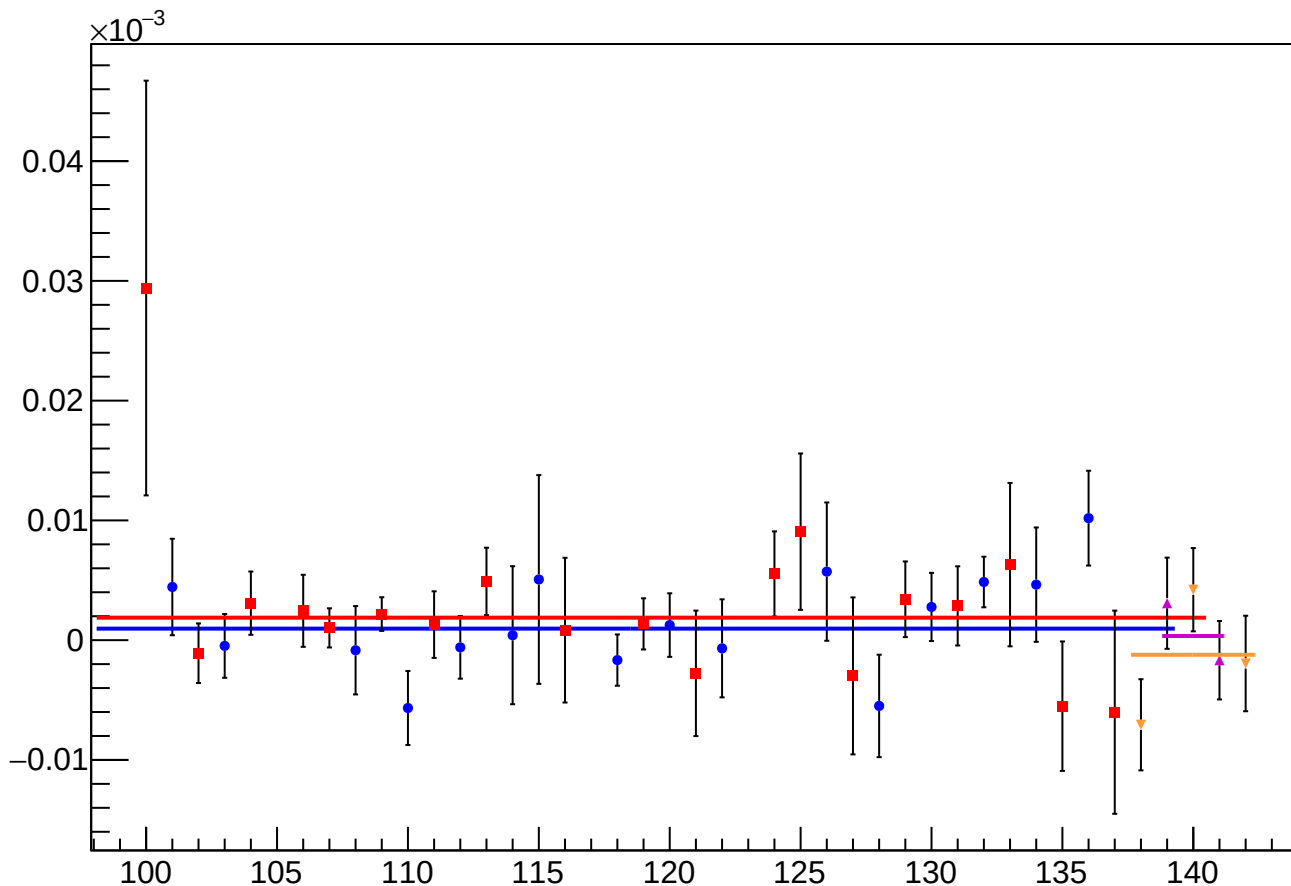
Left In: 45.026 $\pm$ 0.025 χ^2/NDF : 95642.1/1

+ sign 36.872 $\pm$ 0.009 χ^2/NDF : 2067060.5/18

All: 35.203 $\pm$ 0.006 χ^2/NDF : 4115591.0/39

- sign 33.792 $\pm$ 0.009 χ^2/NDF : 1991322.9/20

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: 4.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/18

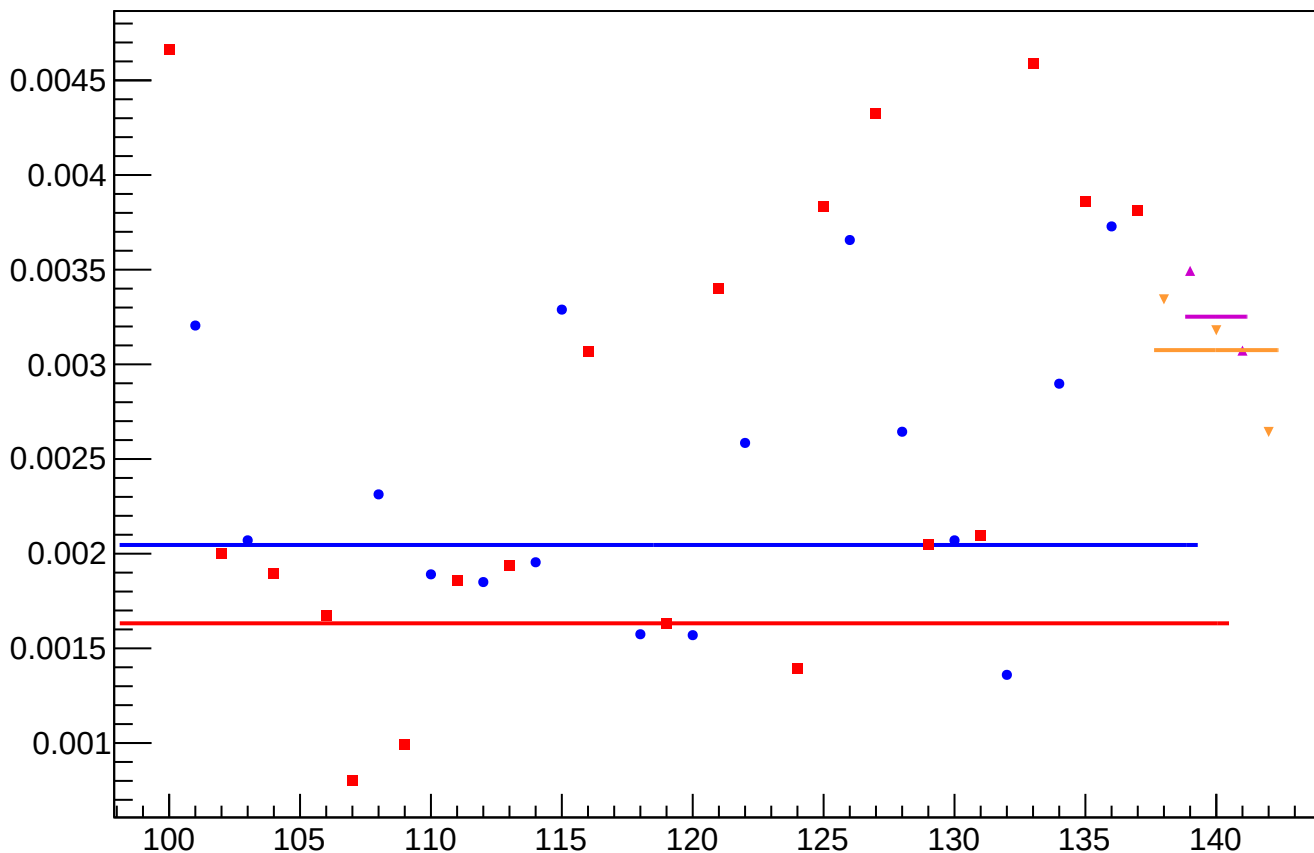
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.1/20

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1260485.9/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 35233.8/2

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2928991.9/18

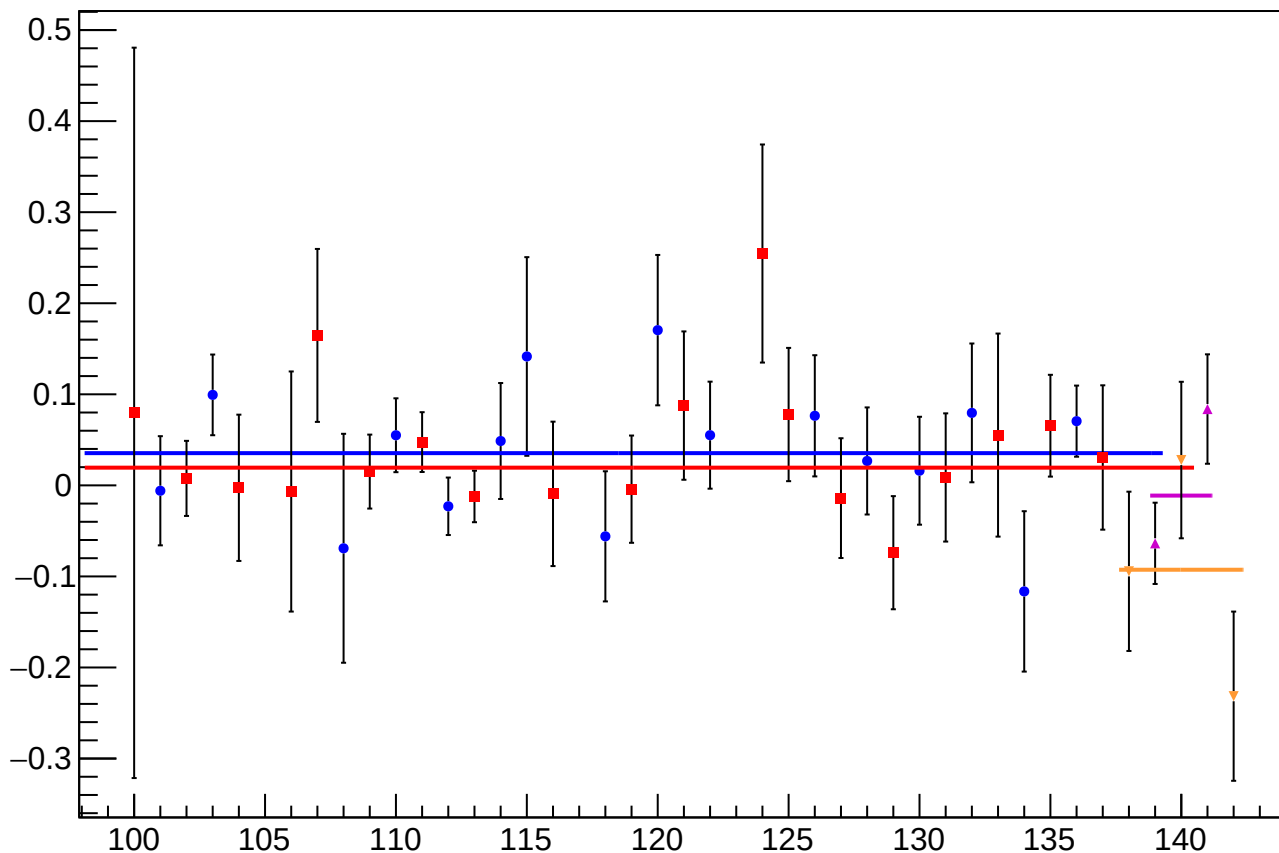
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 14060.4/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1694432.6/18

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5803731.2/39

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3735823.0/20

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: -0.093 $\pm$ 0.051 χ^2 /NDF: 4.2/2

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

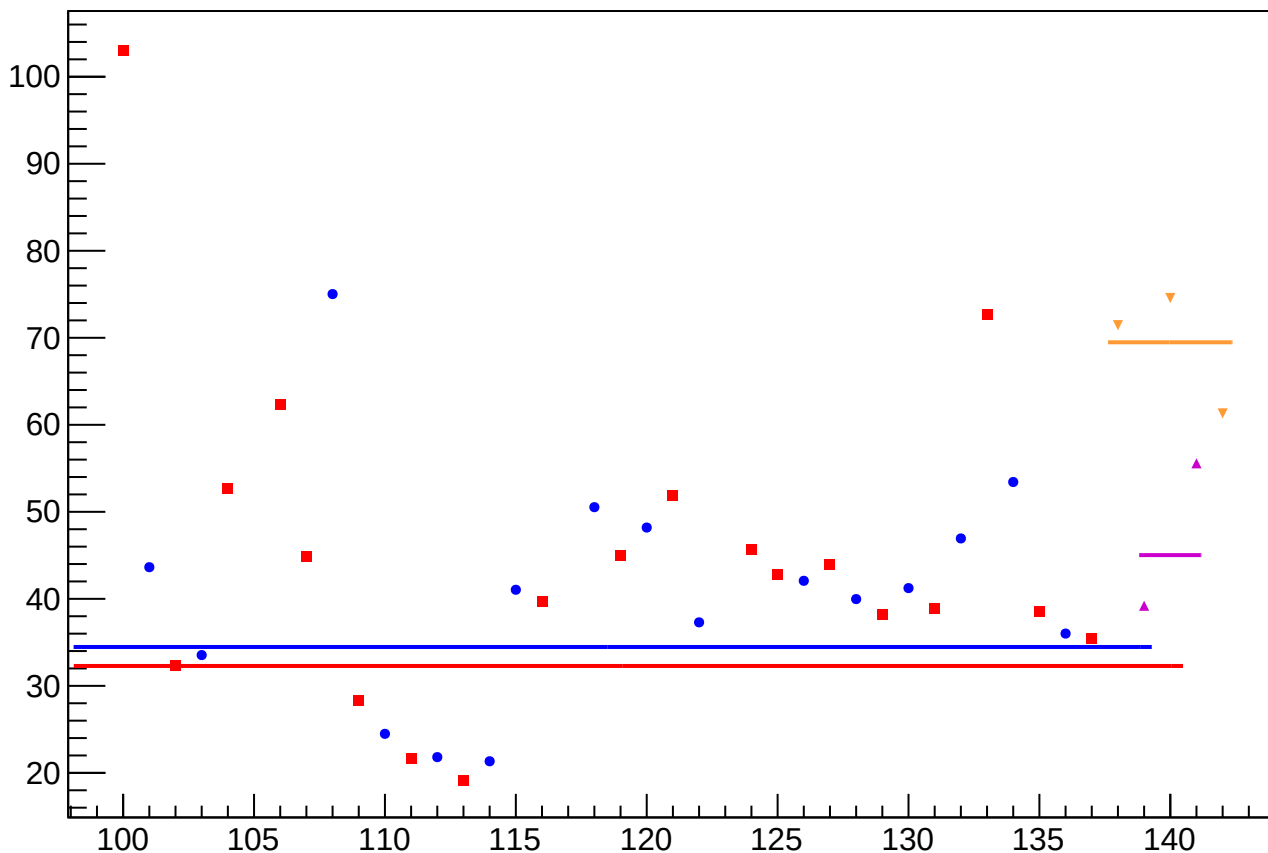
Left In: -0.011 $\pm$ 0.036 χ^2 /NDF: 3.9/1

+ sign 0.027 $\pm$ 0.013 χ^2 /NDF: 27.0/18

All: 0.021 $\pm$ 0.009 χ^2 /NDF: 45.2/39

- sign 0.016 $\pm$ 0.012 χ^2 /NDF: 17.9/20

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: 69.484 $\pm$ 0.036 χ^2/NDF : 23494.5/2

Right Out: 32.285 $\pm$ 0.009 χ^2/NDF : 1672606.5/18

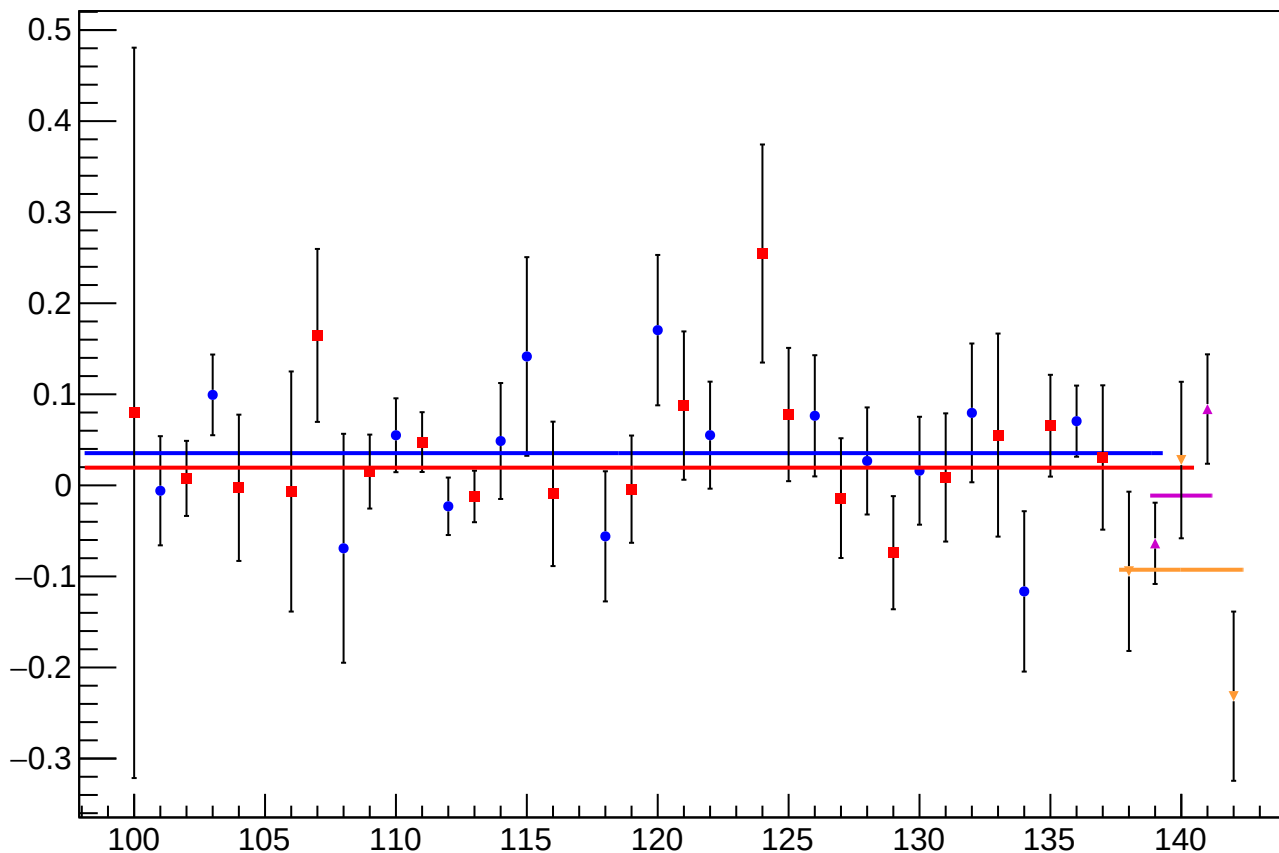
Left In: 45.026 $\pm$ 0.025 χ^2/NDF : 95652.8/1

+ sign 36.872 $\pm$ 0.009 χ^2/NDF : 2067006.1/18

All: 35.203 $\pm$ 0.006 χ^2/NDF : 4115502.9/39

- sign 33.793 $\pm$ 0.009 χ^2/NDF : 1991289.9/20

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: -0.093 $\pm$ 0.051 χ^2 /NDF: 4.2/2

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

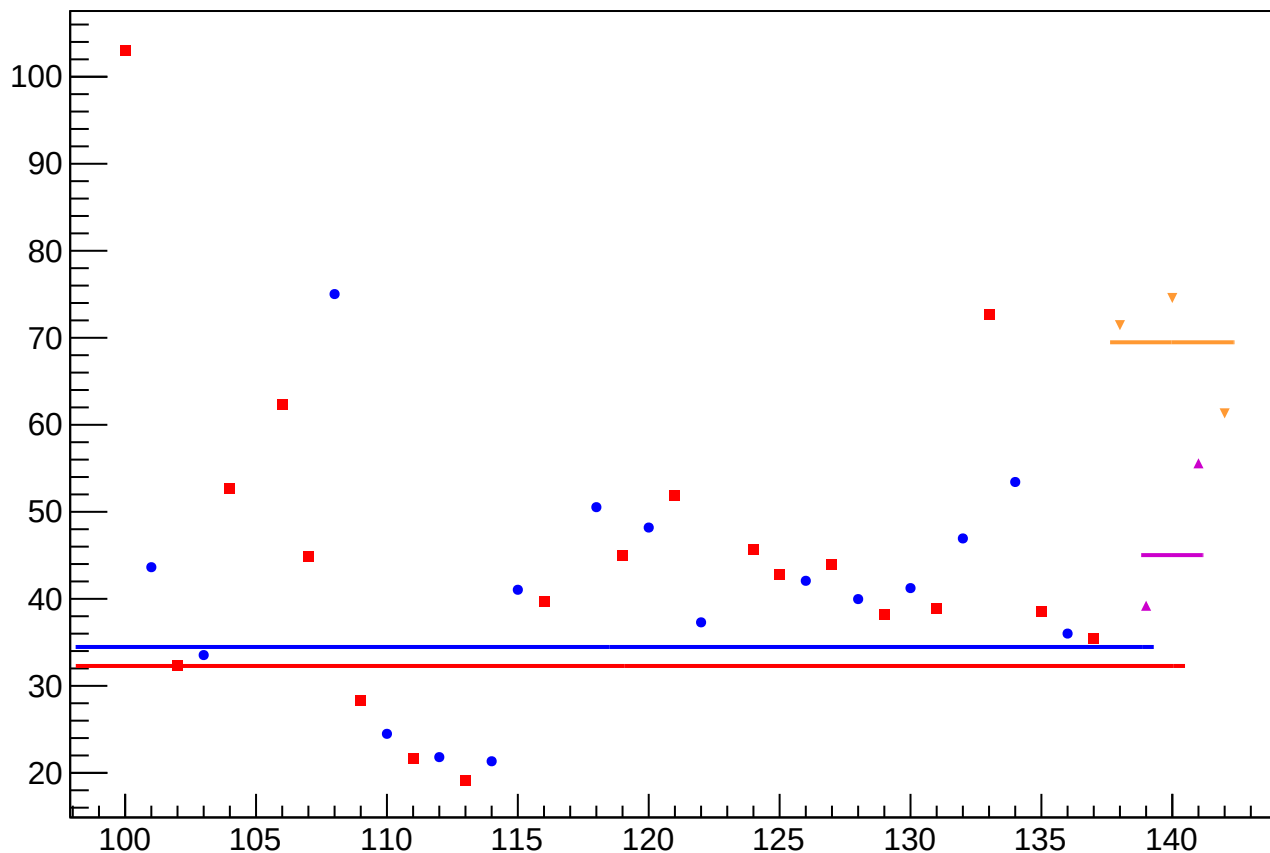
Left In: -0.011 $\pm$ 0.036 χ^2 /NDF: 3.9/1

+ sign 0.027 $\pm$ 0.013 χ^2 /NDF: 27.0/18

All: 0.021 $\pm$ 0.009 χ^2 /NDF: 45.2/39

- sign 0.016 $\pm$ 0.012 χ^2 /NDF: 17.9/20

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: 69.484 ± 0.036 χ^2/NDF : 23494.5/2

Right Out: 32.285 ± 0.009 χ^2/NDF : 1672606.5/18

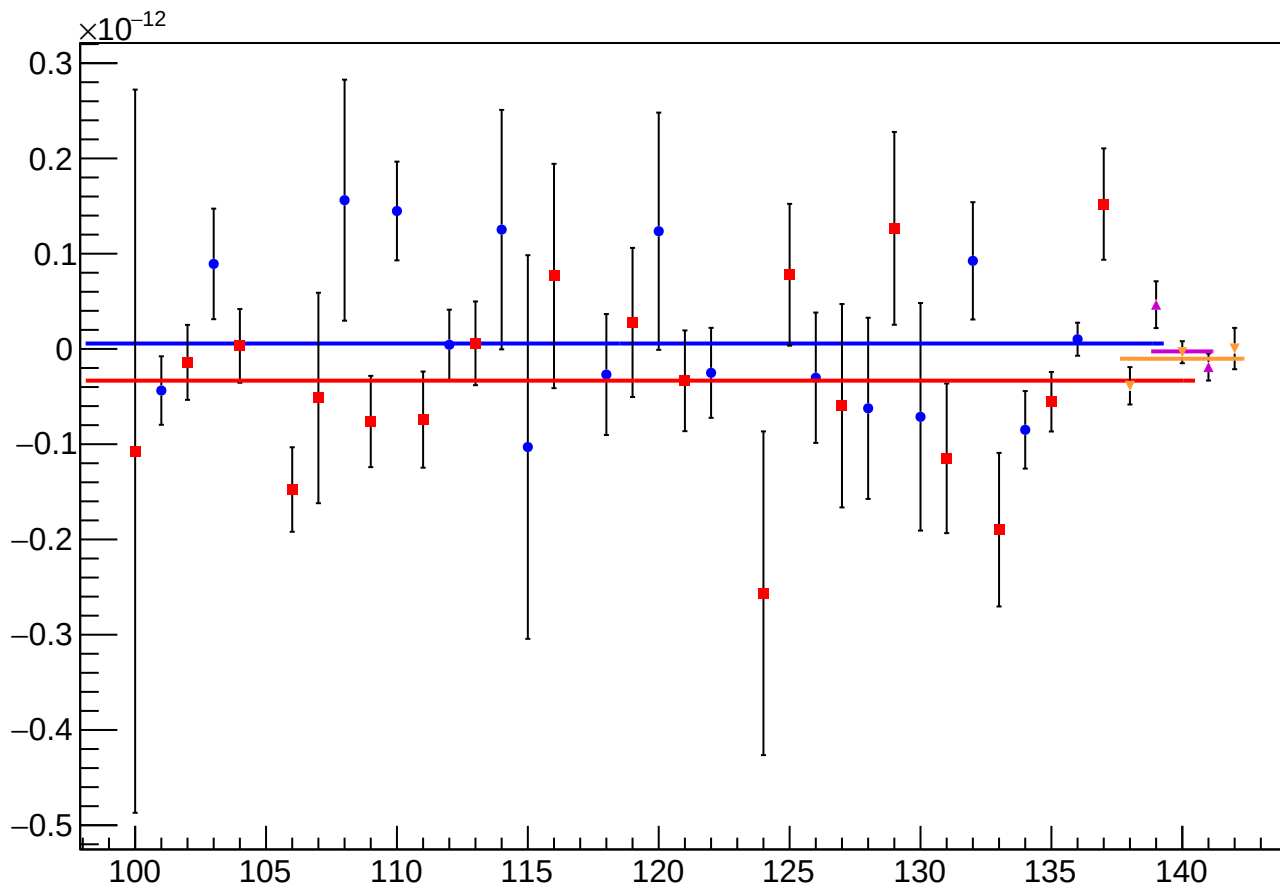
Left In: 45.026 ± 0.025 χ^2/NDF : 95652.8/1

+ sign 36.872 ± 0.009 χ^2/NDF : 2067006.1/18

All: 35.203 ± 0.006 χ^2/NDF : 4115502.9/39

- sign 33.793 ± 0.009 χ^2/NDF : 1991289.9/20

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 : 2.7/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.5/18

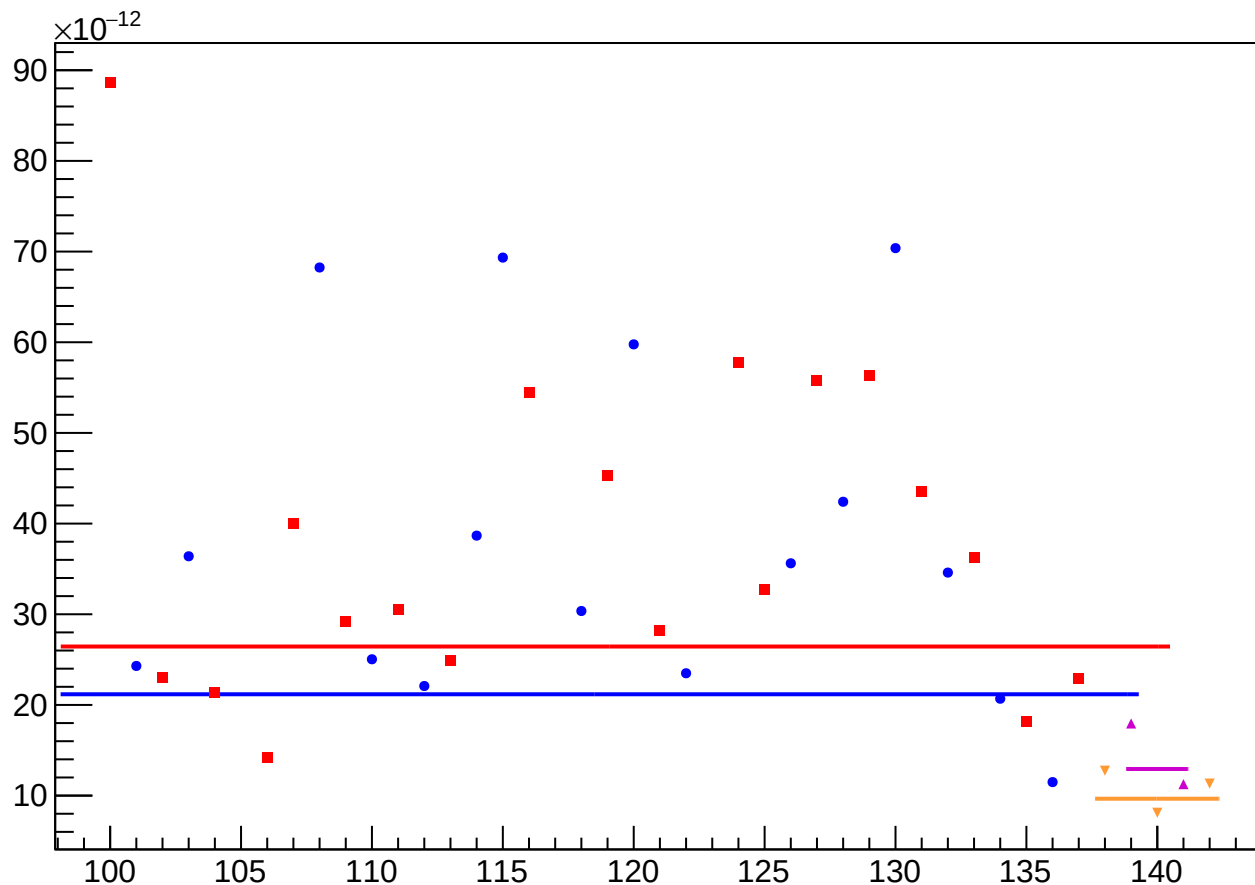
Left In: -0.000 ± 0.000 χ^2/NDF : 5.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 27.5/18

All: -0.000 ± 0.000 χ^2/NDF : 70.5/39

- sign -0.000 ± 0.000 χ^2/NDF : 41.7/20

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 : 97353.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1217987.6/18

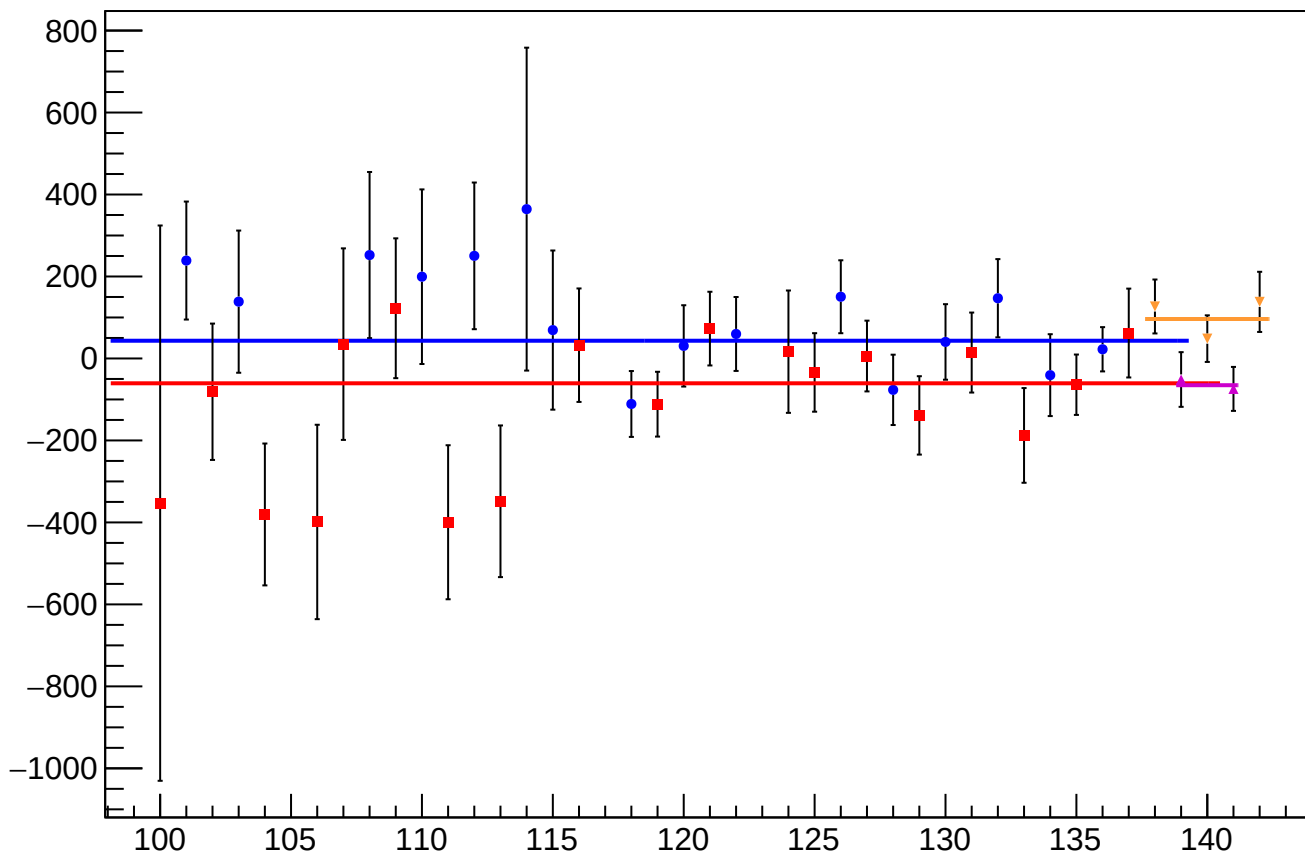
Left In: 0.000+/-0.000 χ^2/NDF : 111159.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 3430417.3/18

All: 0.000+/-0.000 χ^2/NDF : 6309718.8/39

- sign 0.000+/-0.000 χ^2/NDF : 2465114.0/20

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247 $\pm$ 25.781 χ^2 /NDF: 15.0/15

Left Out: 96.278 $\pm$ 37.107 χ^2 /NDF: 1.2/2

Right Out: -60.582 $\pm$ 26.894 χ^2 /NDF: 20.4/18

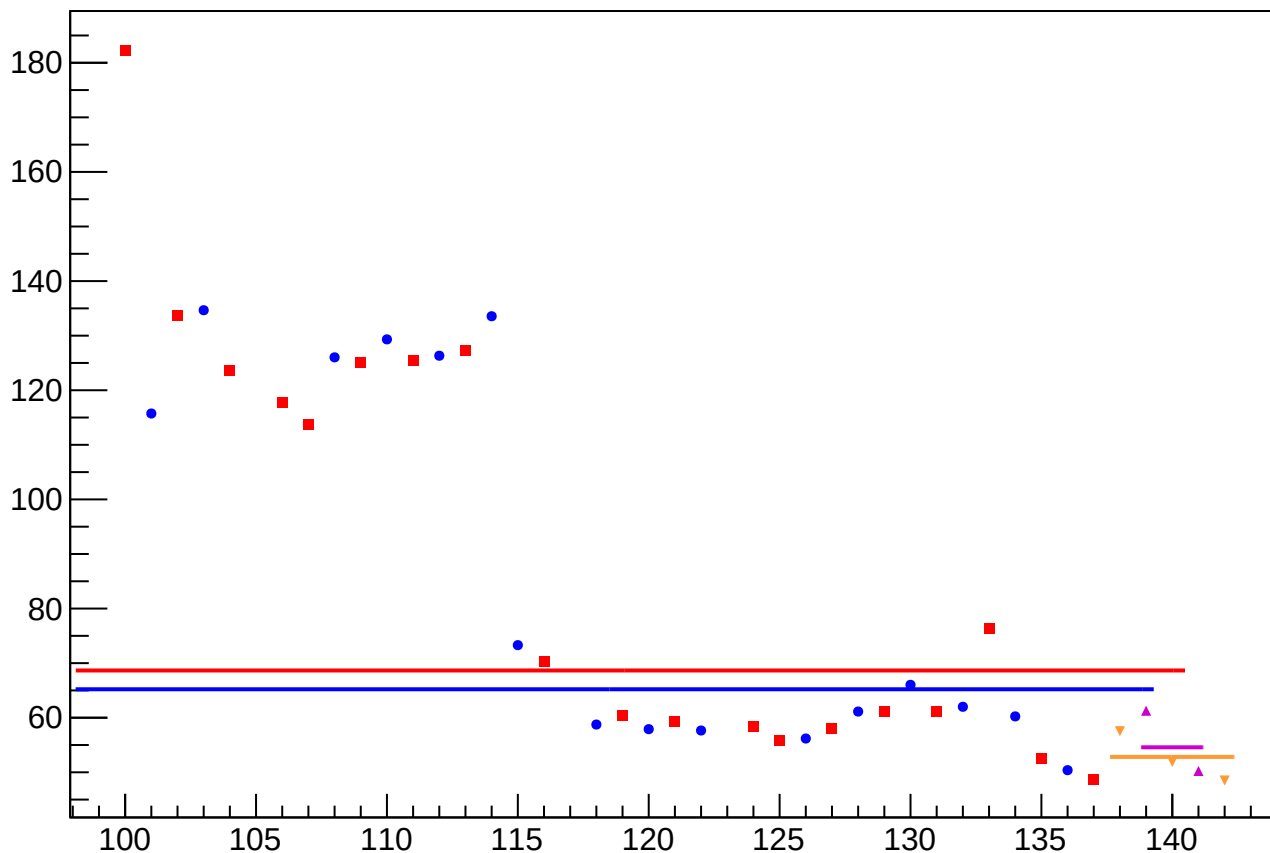
Left In: -65.247 $\pm$ 41.803 χ^2 /NDF: 0.1/1

+ sign 60.511 $\pm$ 21.172 χ^2 /NDF: 17.6/18

All: 3.320 $\pm$ 15.457 χ^2 /NDF: 53.7/39

- sign -61.947 $\pm$ 22.618 χ^2 /NDF: 20.5/20

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF : 1446504.6/15

Left Out: 52.817+/-0.026 χ^2/NDF : 17715.1/2

Right Out: 68.656+/-0.019 χ^2/NDF : 1640900.1/18

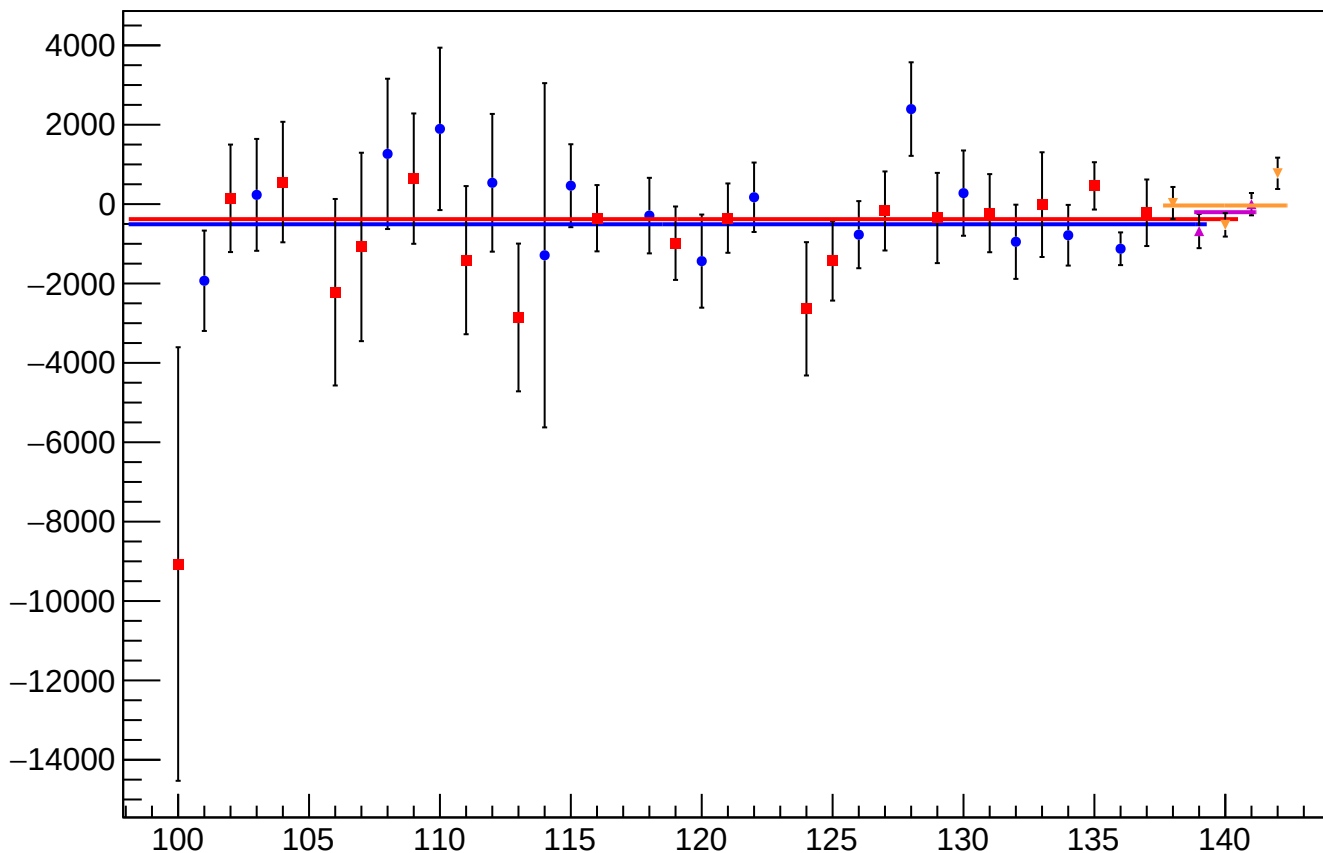
Left In: 54.578+/-0.030 χ^2/NDF : 33257.7/1

+ sign 61.177+/-0.015 χ^2/NDF : 1614747.4/18

All: 62.745+/-0.011 χ^2/NDF : 3472832.7/39

- sign 64.535+/-0.016 χ^2/NDF : 1834587.1/20

asym_sam_1526_avg_reg_correction_mean vs Slug



Right In: -507.928 ± 236.945 χ^2/NDF : 15.6/15

Left Out: -34.526 ± 204.356 χ^2/NDF : 6.9/2

Right Out: -378.892 ± 256.407 χ^2/NDF : 11.7/18

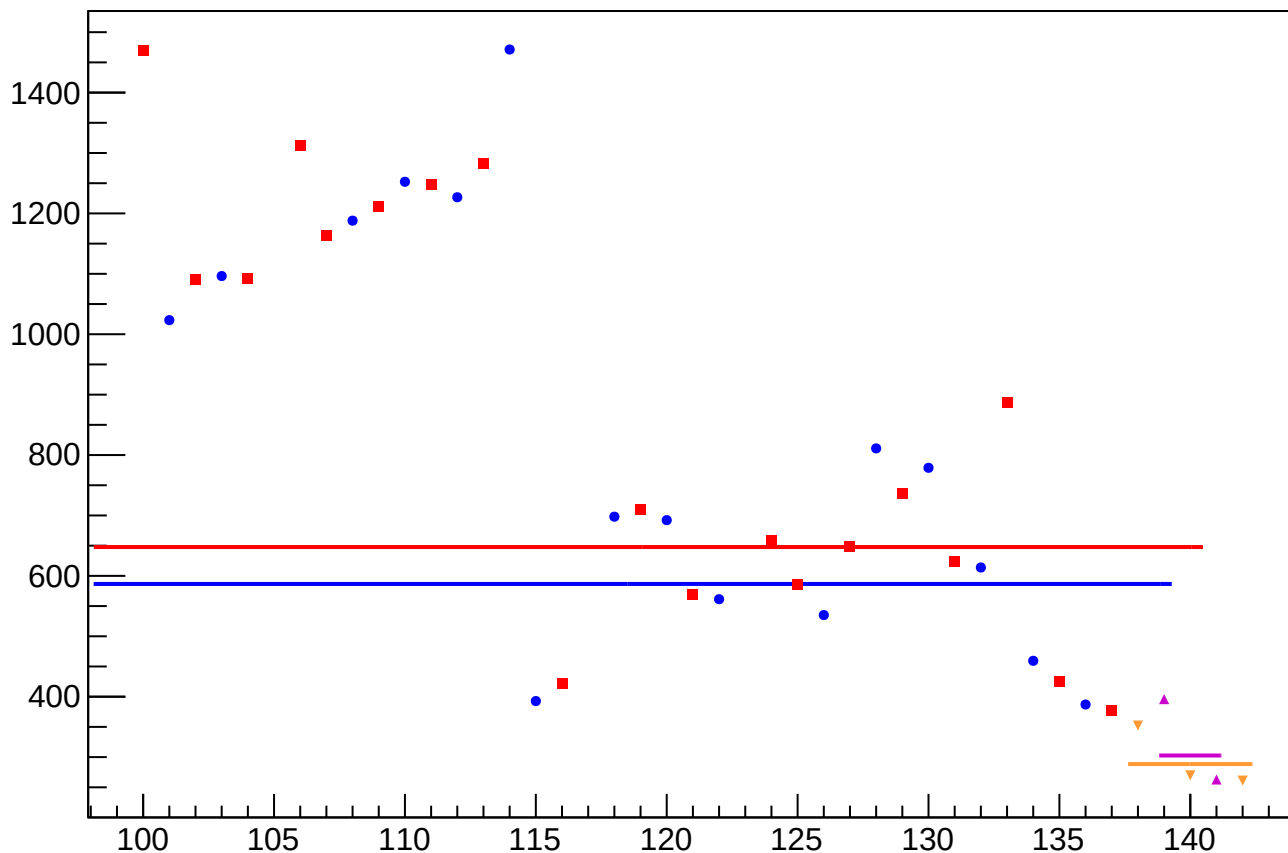
Left In: -203.481 ± 235.488 χ^2/NDF : 1.7/1

+ sign -236.458 ± 154.751 χ^2/NDF : 24.9/18

All: -257.415 ± 115.470 χ^2/NDF : 38.6/39

- sign -283.740 ± 173.440 χ^2/NDF : 13.7/20

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF : 2053133.2/15

Left Out: 288.482+/-0.145 χ^2/NDF : 67233.4/2

Right Out: 647.736+/-0.181 χ^2/NDF : 2105638.0/18

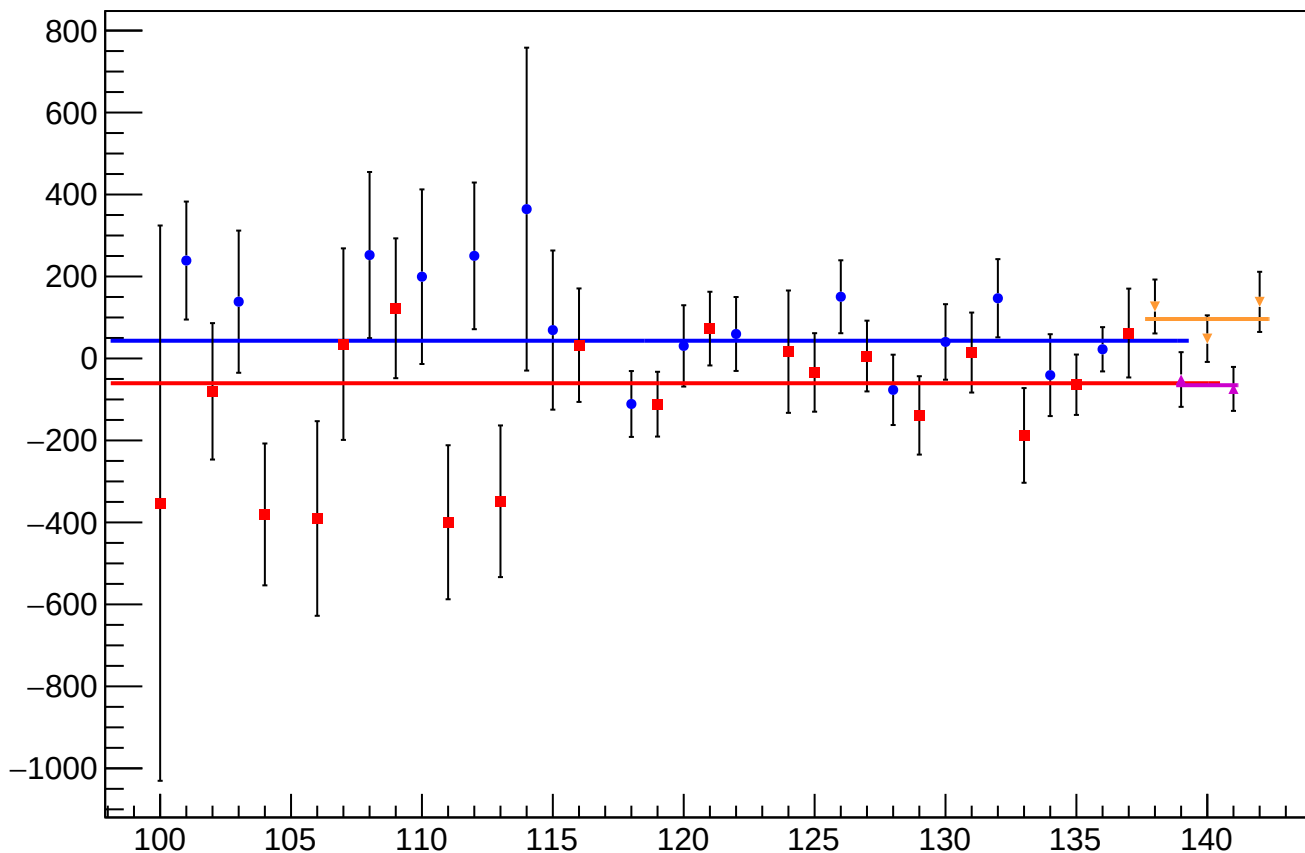
Left In: 302.662+/-0.167 χ^2/NDF : 133675.7/1

+ sign 415.665+/-0.109 χ^2/NDF : 3936452.9/18

All: 435.560+/-0.082 χ^2/NDF : 8215316.7/39

- sign 460.550+/-0.123 χ^2/NDF : 4204285.9/20

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF : 15.0/15

Left Out: 96.283+/-37.107 χ^2/NDF : 1.2/2

Right Out: -60.432+/-26.895 χ^2/NDF : 20.3/18

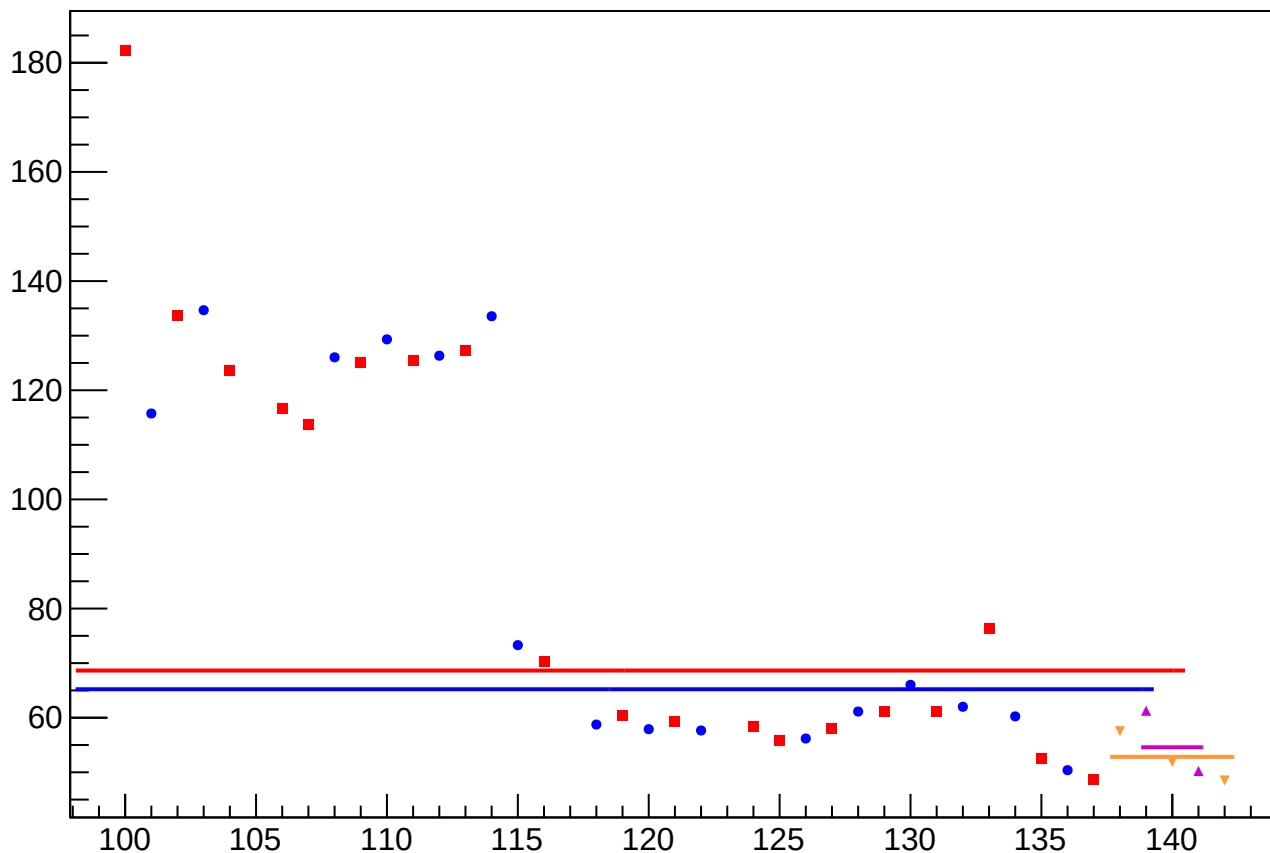
Left In: -65.256+/-41.803 χ^2/NDF : 0.1/1

+ sign 60.508+/-21.172 χ^2/NDF : 17.6/18

All: 3.367+/-15.457 χ^2/NDF : 53.6/39

- sign -61.844+/-22.618 χ^2/NDF : 20.4/20

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212 $\pm$ 0.018 χ^2 /NDF: 1446506.9/15

Left Out: 52.817 $\pm$ 0.026 χ^2 /NDF:17715.1/2

Right Out: 68.642 $\pm$ 0.019 χ^2 /NDF: 1637558.1/18

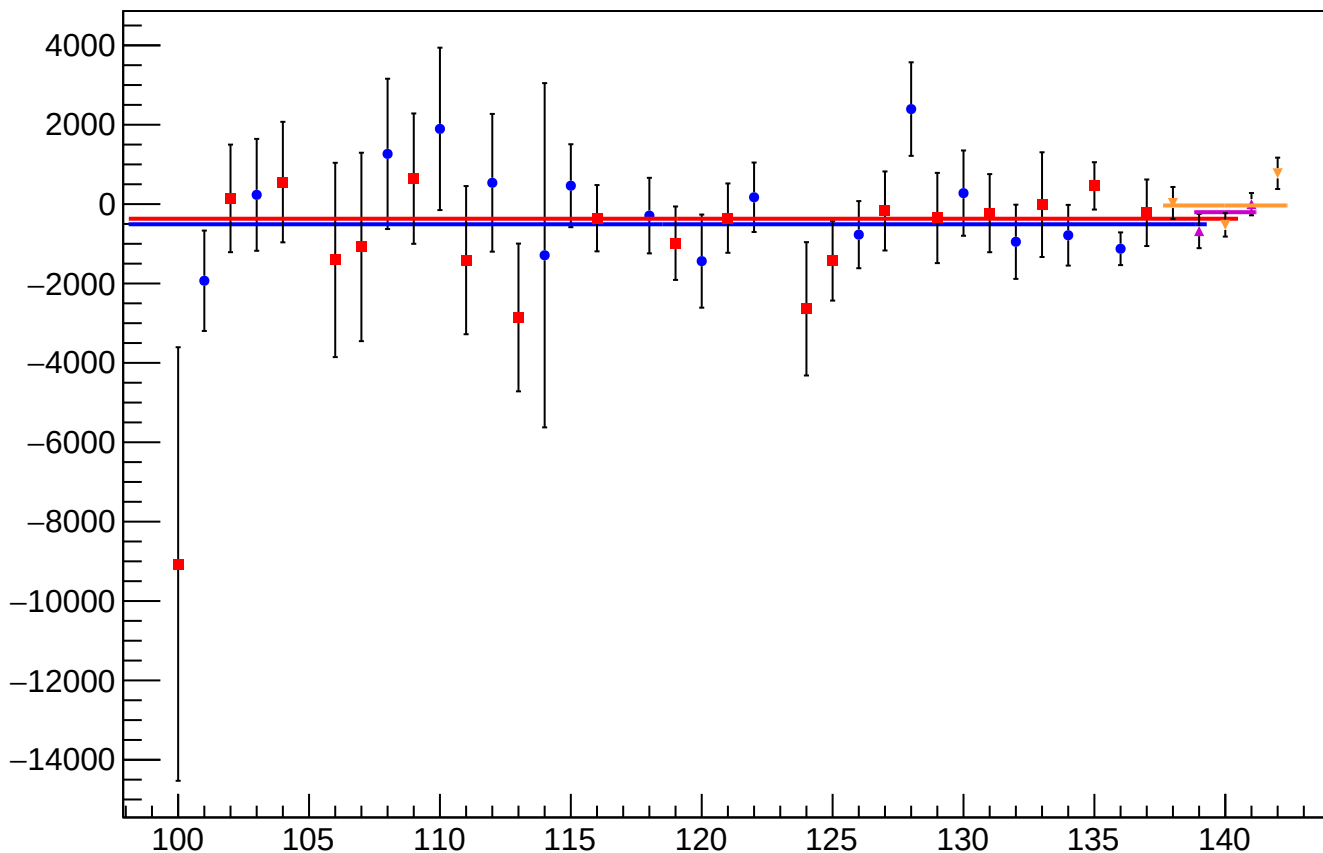
Left In: 54.578 $\pm$ 0.030 χ^2 /NDF:33257.7/1

+ sign 61.177 $\pm$ 0.015 χ^2 /NDF: 1614749.7/18

All: 62.740 $\pm$ 0.011 χ^2 /NDF: 3469016.4/39

- sign 64.525 $\pm$ 0.016 χ^2 /NDF: 1830913.9/20

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -507.911 ± 236.945 χ^2/NDF : 15.6/15

Left Out: -34.511 ± 204.355 χ^2/NDF : 6.9/2

Right Out: -368.334 ± 256.534 χ^2/NDF : 11.3/18

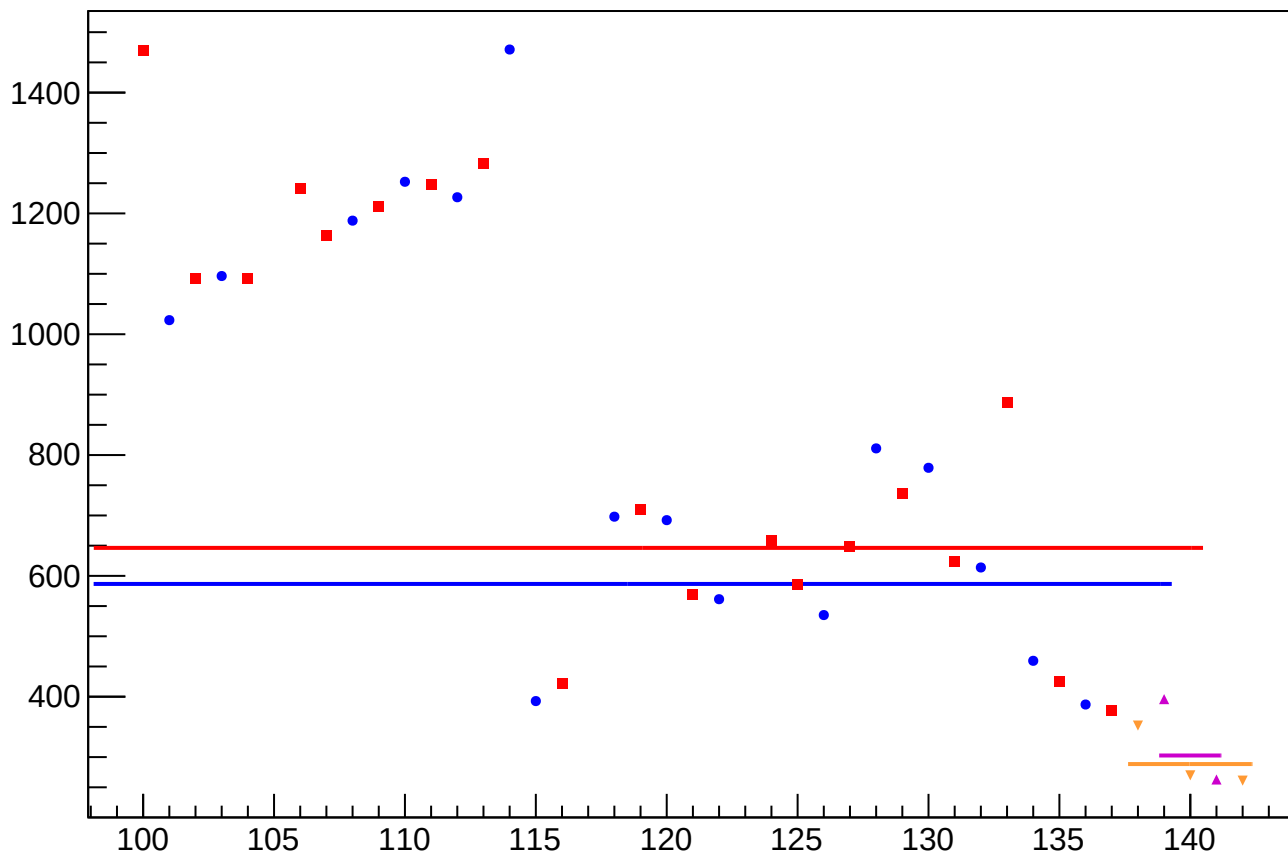
Left In: -203.489 ± 235.488 χ^2/NDF : 1.7/1

+ sign -236.441 ± 154.751 χ^2/NDF : 24.9/18

All: -255.244 ± 115.481 χ^2/NDF : 38.1/39

- sign -278.873 ± 173.479 χ^2/NDF : 13.2/20

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645 $\pm$ 0.168 χ^2 /NDF: 2053169.7/15

Left Out: 288.482 $\pm$ 0.145 χ^2 /NDF: 67233.8/2

Right Out: 646.328 $\pm$ 0.181 χ^2 /NDF: 2063185.3/18

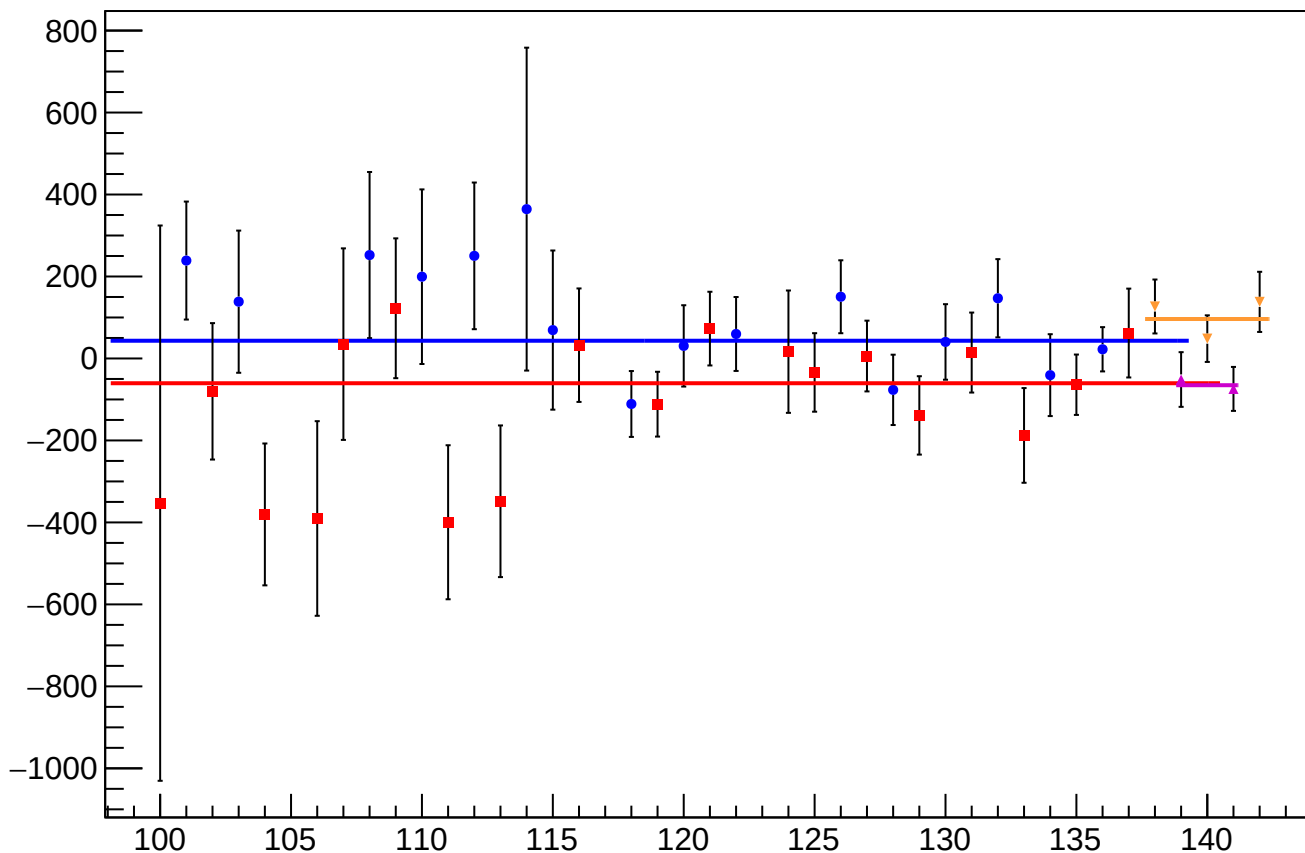
Left In: 302.662 $\pm$ 0.167 χ^2 /NDF: 133674.8/1

+ sign 415.664 $\pm$ 0.109 χ^2 /NDF: 3936491.4/18

All: 435.231 $\pm$ 0.082 χ^2 /NDF: 8153432.0/39

- sign 459.821 $\pm$ 0.123 χ^2 /NDF: 4144779.5/20

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239 $\pm$ 25.781 χ^2 /NDF: 15.0/15

Left Out: 96.283 $\pm$ 37.107 χ^2 /NDF: 1.2/2

Right Out: -60.432 $\pm$ 26.895 χ^2 /NDF: 20.3/18

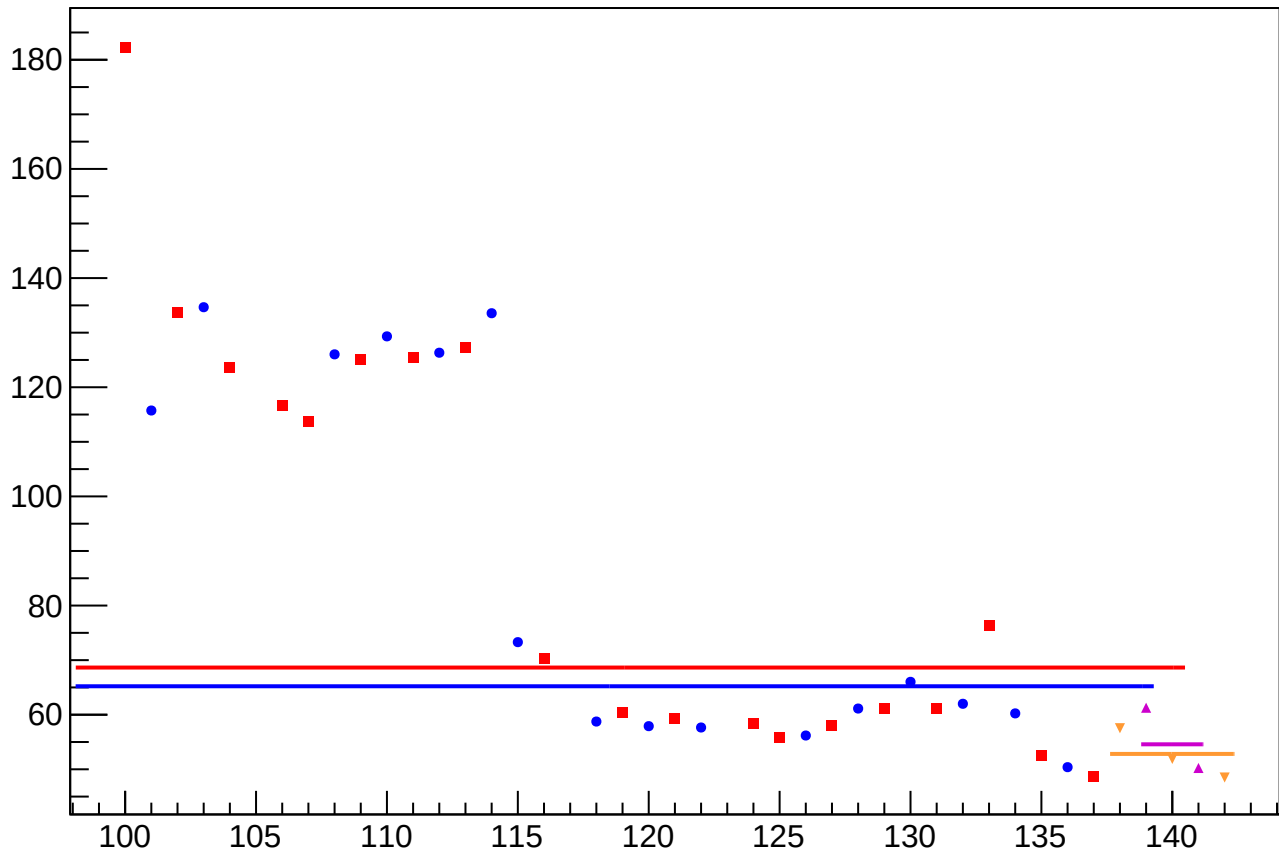
Left In: -65.256 $\pm$ 41.803 χ^2 /NDF: 0.1/1

+ sign 60.508 $\pm$ 21.172 χ^2 /NDF: 17.6/18

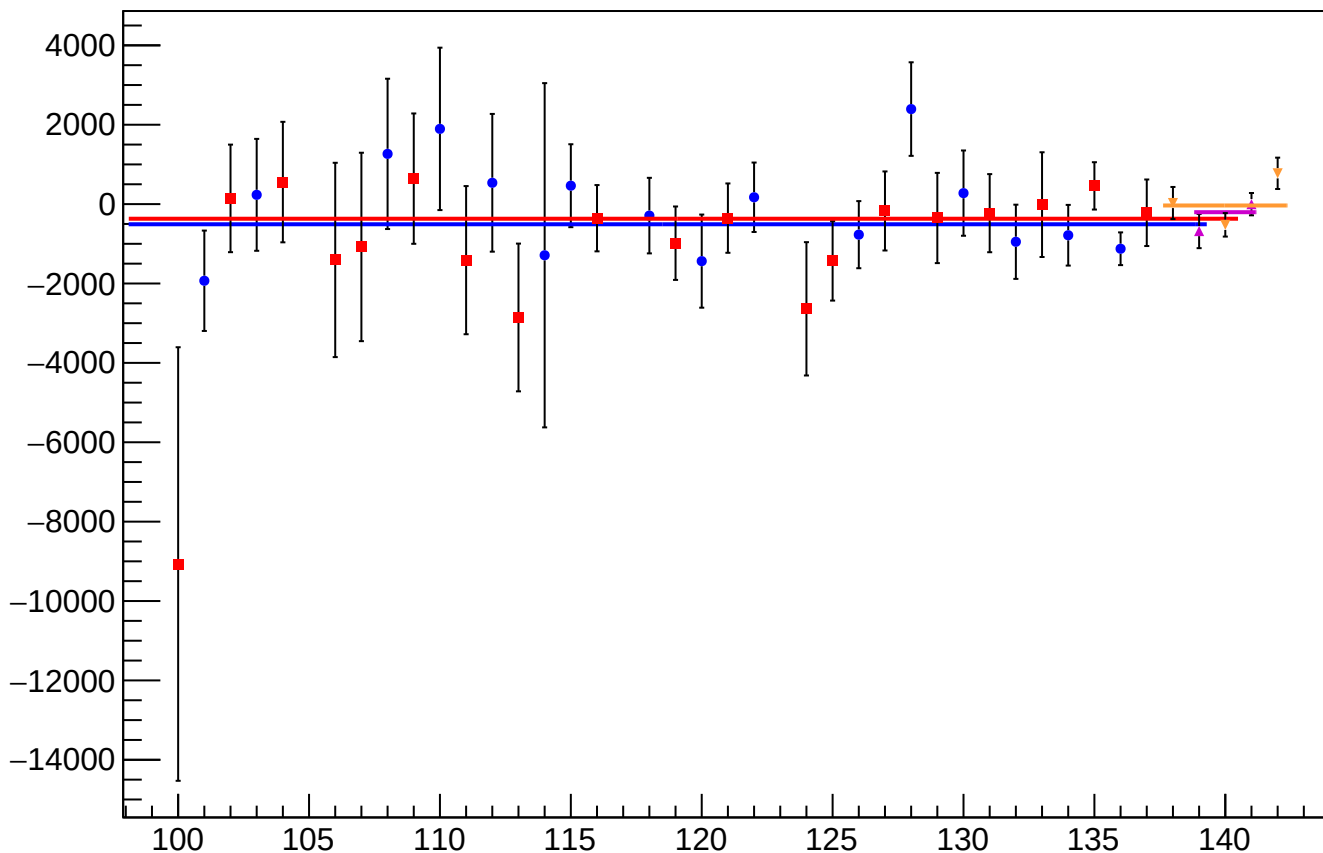
All: 3.367 $\pm$ 15.457 χ^2 /NDF: 53.6/39

- sign -61.844 $\pm$ 22.618 χ^2 /NDF: 20.4/20

eigen_cor_asym_sam_1526_avg_rms vs Slug



asym_sam_1526_avg_eigen_cor_correction_mean vs Slug



Right In: -507.911+/-236.945 χ^2 /NDF: 15.6/15

Left Out: -34.511+/-204.355 χ^2 /NDF: 6.9/2

Right Out: -368.334+/-256.534 χ^2 /NDF: 11.3/18

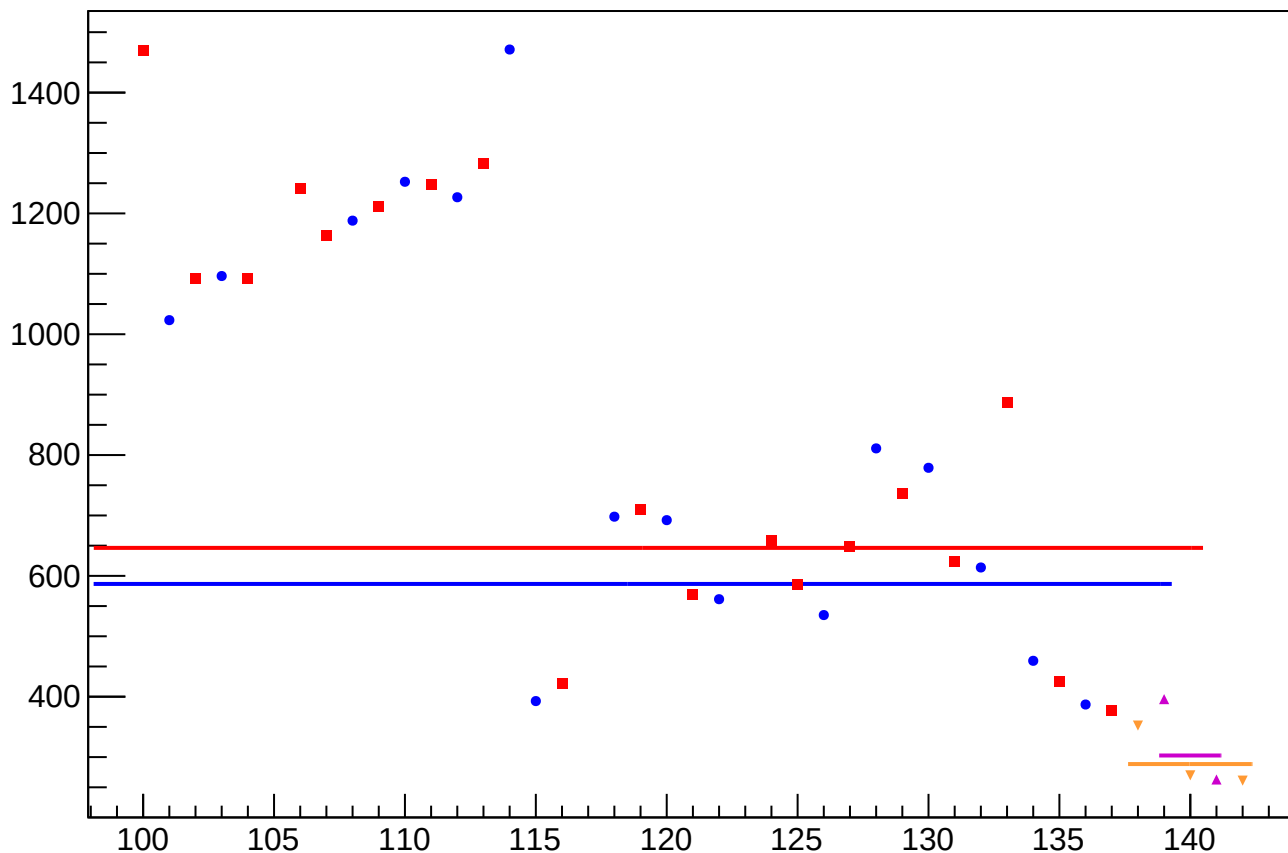
Left In: -203.489+/-235.488 χ^2 /NDF: 1.7/1

+ sign -236.441+/-154.751 χ^2 /NDF: 24.9/18

All: -255.244+/-115.481 χ^2 /NDF: 38.1/39

- sign -278.873+/-173.479 χ^2 /NDF: 13.2/20

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF : 2053169.7/15

Left Out: 288.482+/-0.145 χ^2/NDF : 67233.8/2

Right Out: 646.328+/-0.181 χ^2/NDF : 2063185.3/18

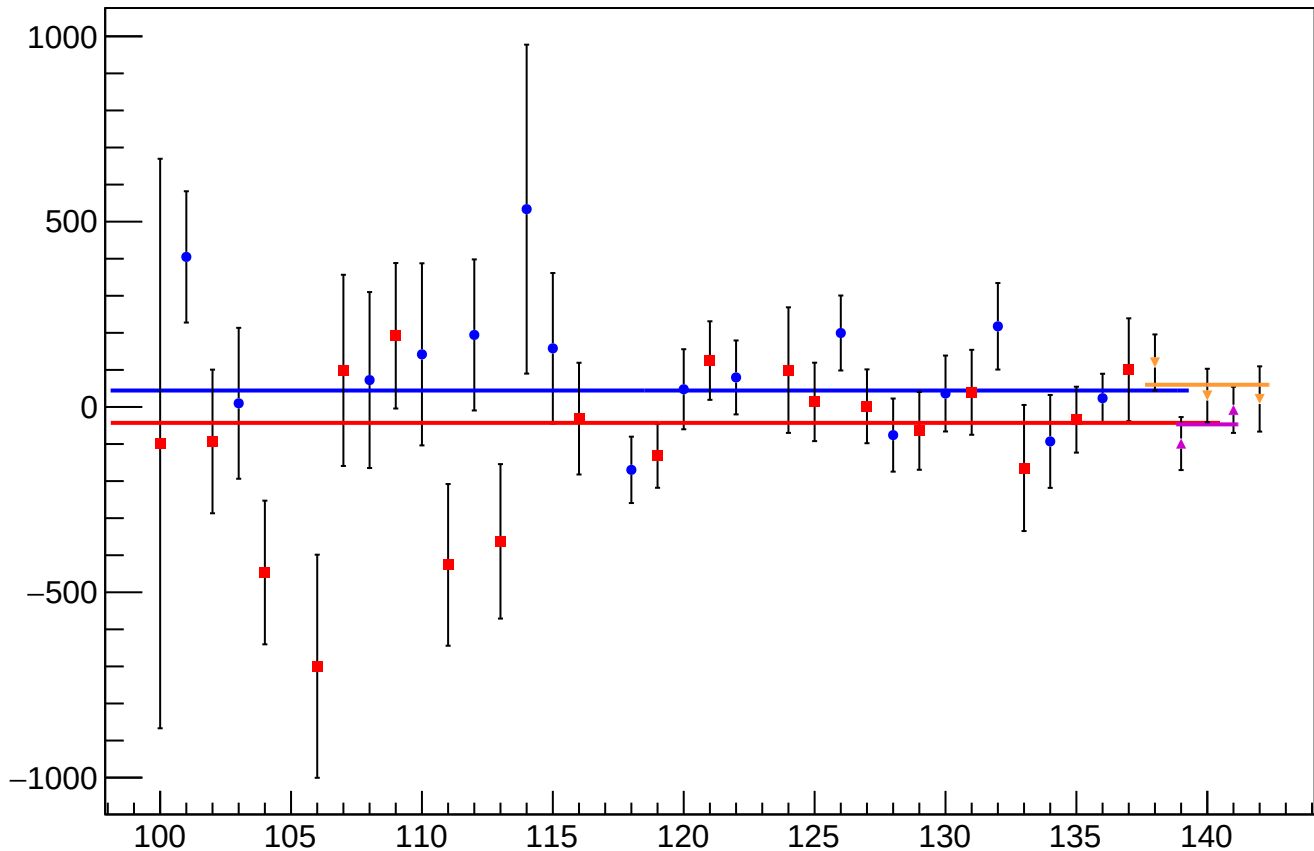
Left In: 302.662+/-0.167 χ^2/NDF : 133674.8/1

+ sign 415.664+/-0.109 χ^2/NDF : 3936491.4/18

All: 435.231+/-0.082 χ^2/NDF : 8153432.0/39

- sign 459.821+/-0.123 χ^2/NDF : 4144779.5/20

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387 ± 29.909 χ^2/NDF : 19.6/15

Left Out: 59.948 ± 44.900 χ^2/NDF : 1.0/2

Right Out: -42.901 ± 31.248 χ^2/NDF : 23.3/18

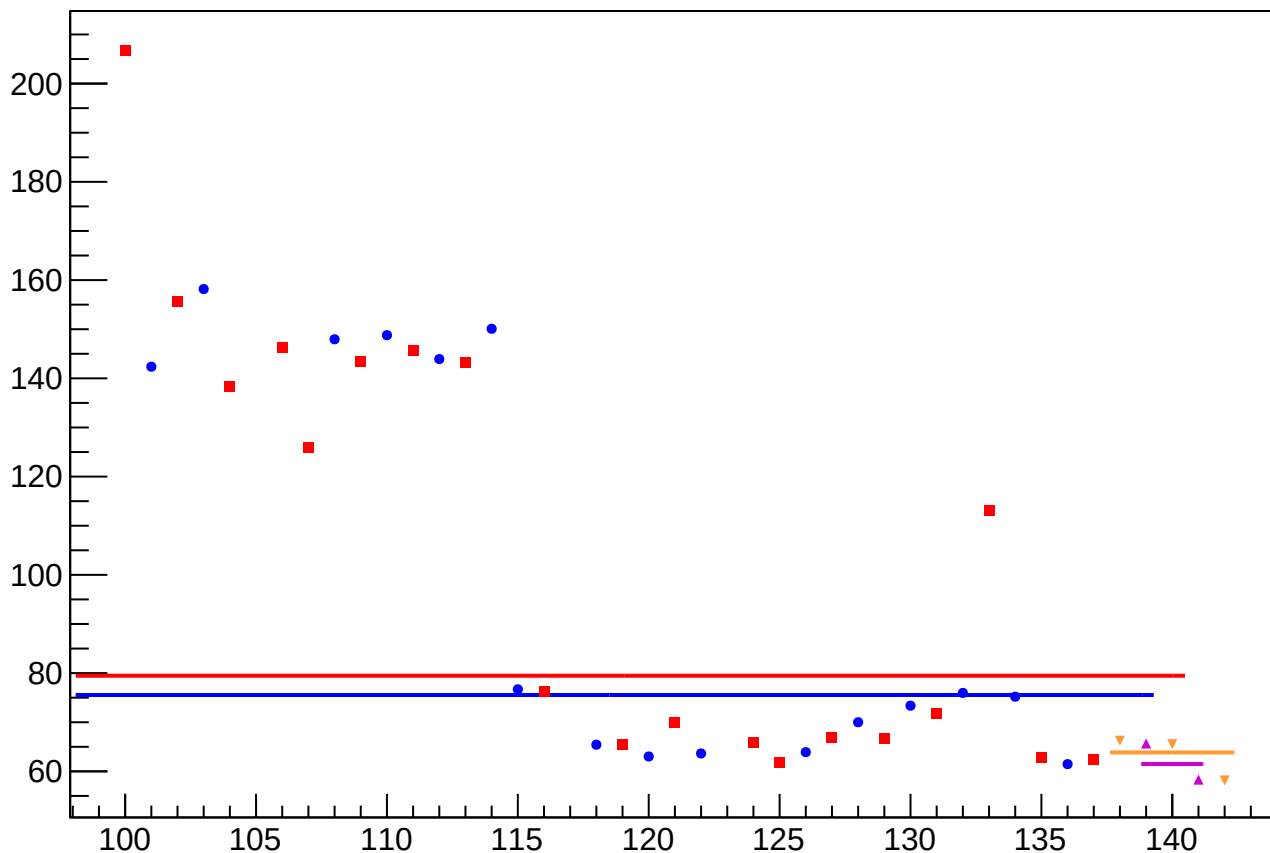
Left In: -46.943 ± 46.978 χ^2/NDF : 0.9/1

+ sign 49.170 ± 24.892 χ^2/NDF : 20.7/18

All: 4.578 ± 17.986 χ^2/NDF : 51.6/39

- sign -44.141 ± 26.018 χ^2/NDF : 24.2/20

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF : 1465550.9/15

Left Out: 63.855+/-0.032 χ^2/NDF :11474.3/2

Right Out: 79.465+/-0.022 χ^2/NDF : 1683634.3/18

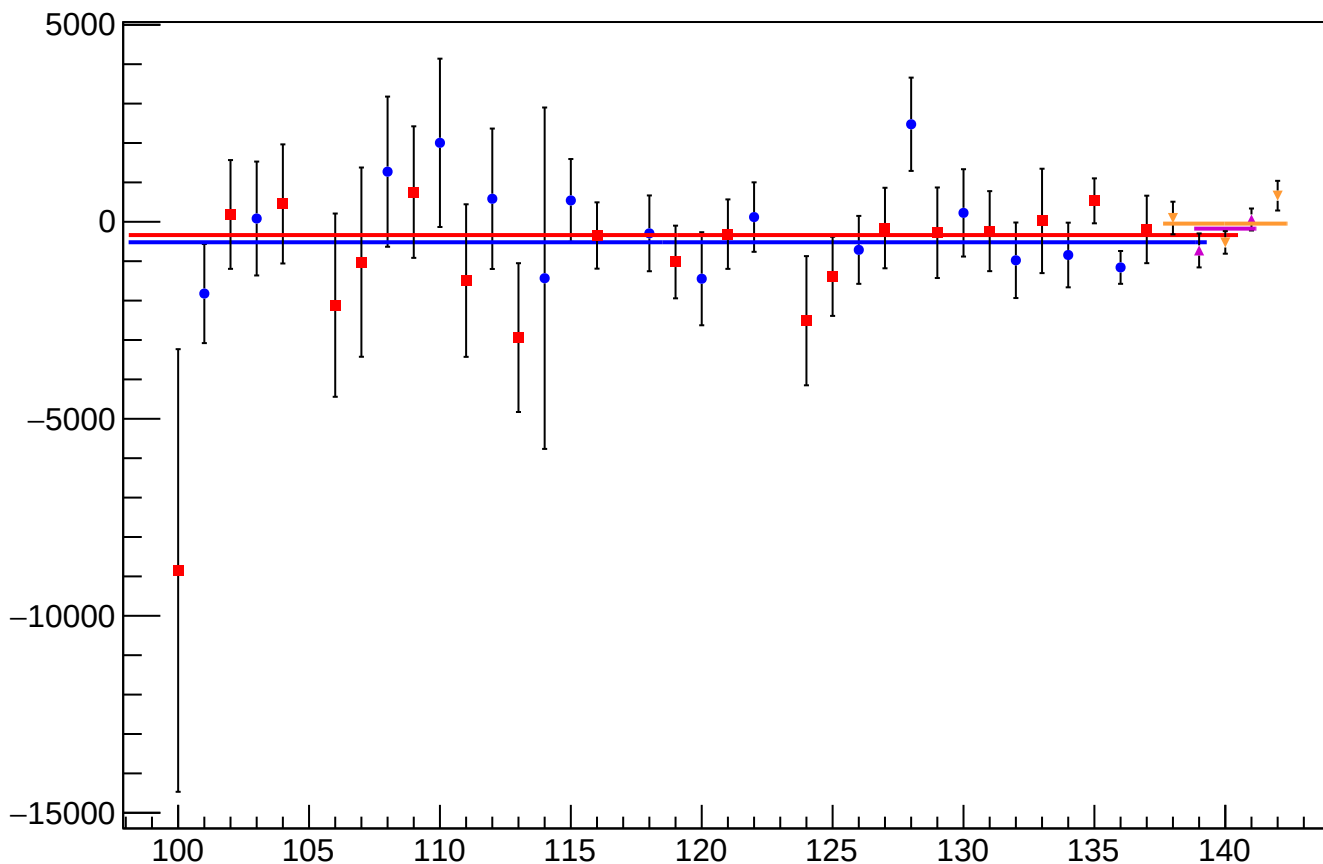
Left In: 61.493+/-0.033 χ^2/NDF :12009.7/1

+ sign 71.952+/-0.018 χ^2/NDF : 1570926.8/18

All: 72.908+/-0.013 χ^2/NDF : 3475673.3/39

- sign 73.953+/-0.018 χ^2/NDF : 1898568.8/20

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250 $\pm$ 241.317 χ^2 /NDF: 15.8/15

Left Out: -46.141 $\pm$ 199.629 χ^2 /NDF: 6.4/2

Right Out: -336.731 $\pm$ 256.618 χ^2 /NDF: 11.9/18

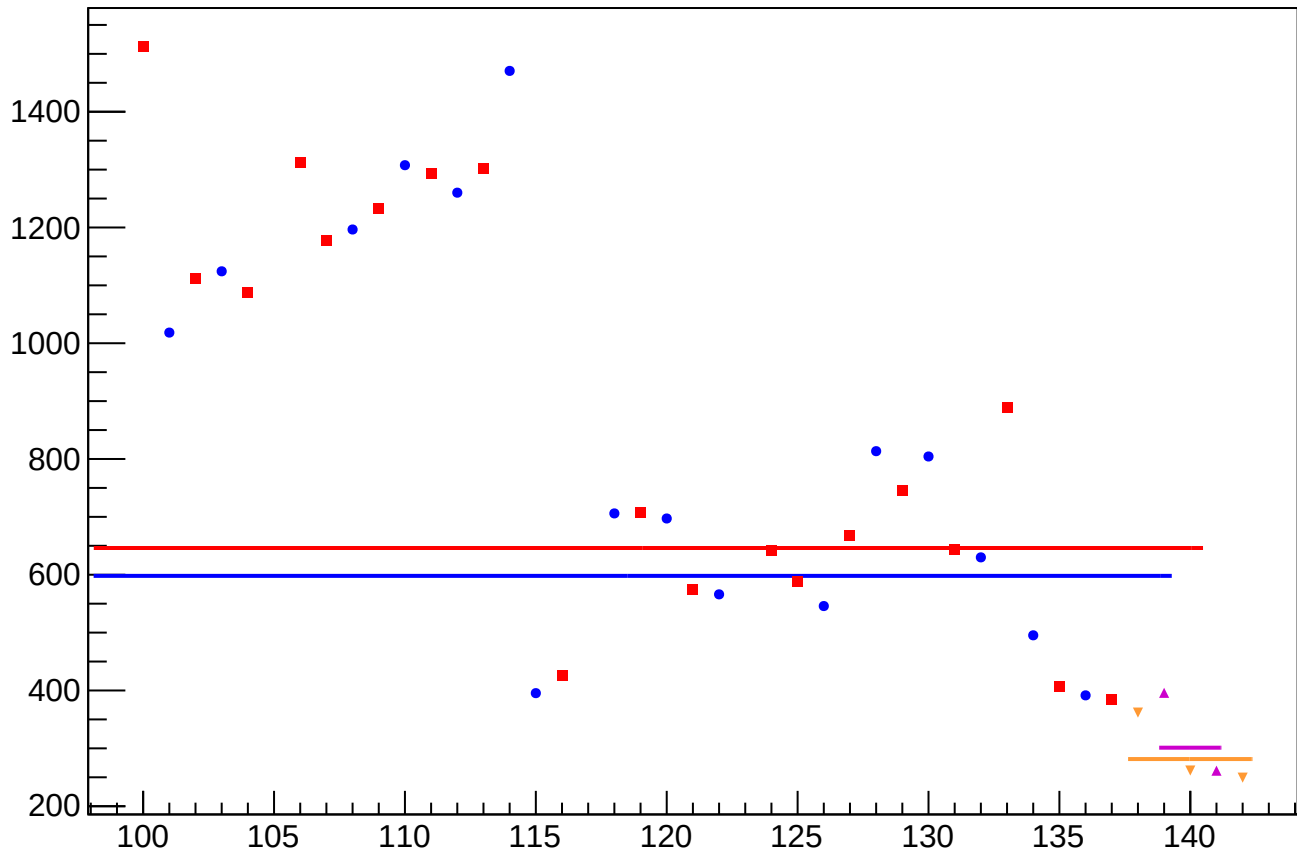
Left In: -173.451 $\pm$ 234.242 χ^2 /NDF: 2.3/1

+ sign -238.364 $\pm$ 153.819 χ^2 /NDF: 24.5/18

All: -242.469 $\pm$ 114.953 χ^2 /NDF: 39.0/39

- sign -247.663 $\pm$ 173.005 χ^2 /NDF: 14.5/20

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044 $\pm$ 0.171 χ^2 /NDF: 2047825.1/15

Left Out: 281.525 $\pm$ 0.141 χ^2 /NDF:99394.5/2

Right Out: 646.190 $\pm$ 0.181 χ^2 /NDF: 2205437.4/18

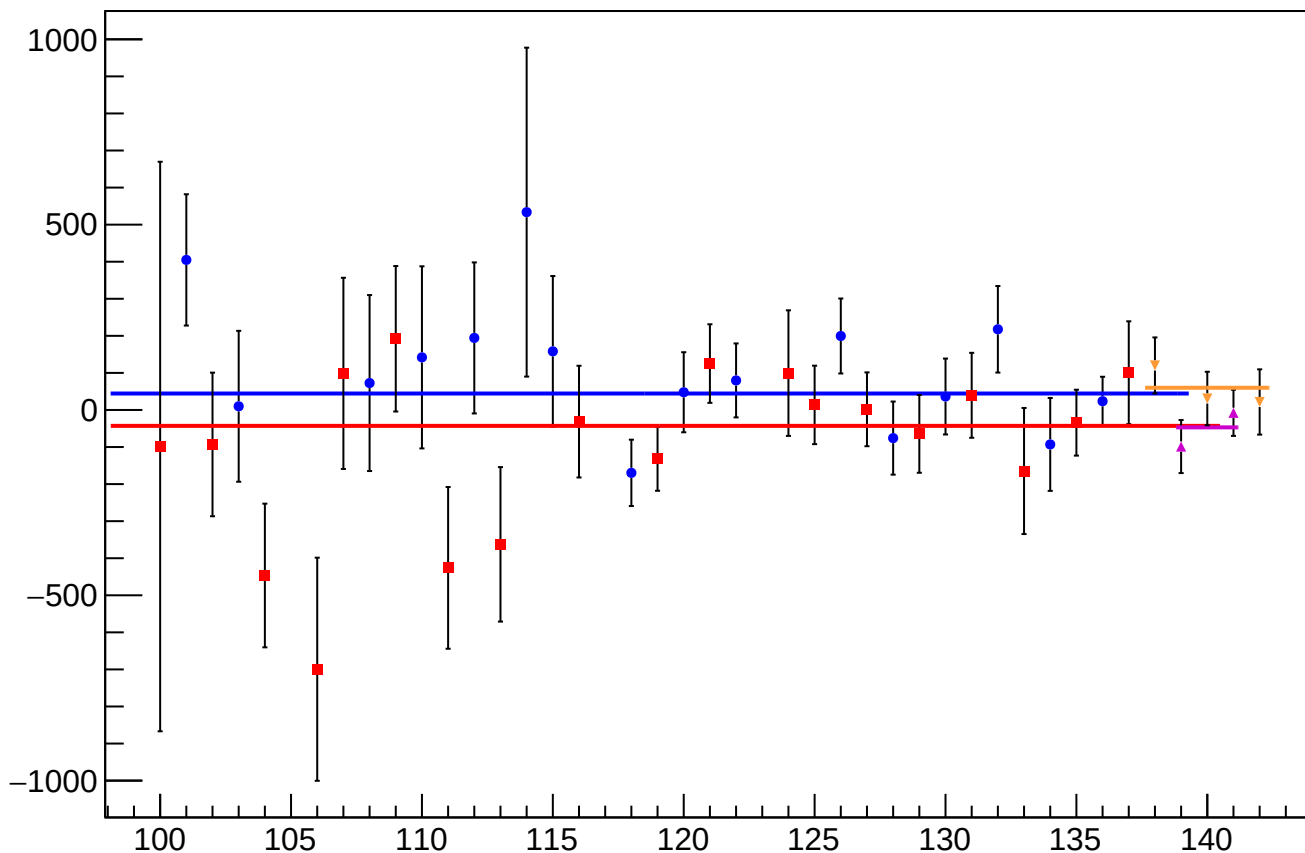
Left In: 301.148 $\pm$ 0.166 χ^2 /NDF:137337.1/1

+ sign 410.126 $\pm$ 0.109 χ^2 /NDF: 4190017.5/18

All: 431.250 $\pm$ 0.081 χ^2 /NDF: 8590604.3/39

- sign 457.973 $\pm$ 0.122 χ^2 /NDF: 4315149.5/20

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389 $\pm$ 29.908 χ^2 /NDF: 19.6/15

Left Out: 59.946 $\pm$ 44.900 χ^2 /NDF:1.0/2

Right Out: -42.900 $\pm$ 31.248 χ^2 /NDF: 23.3/18

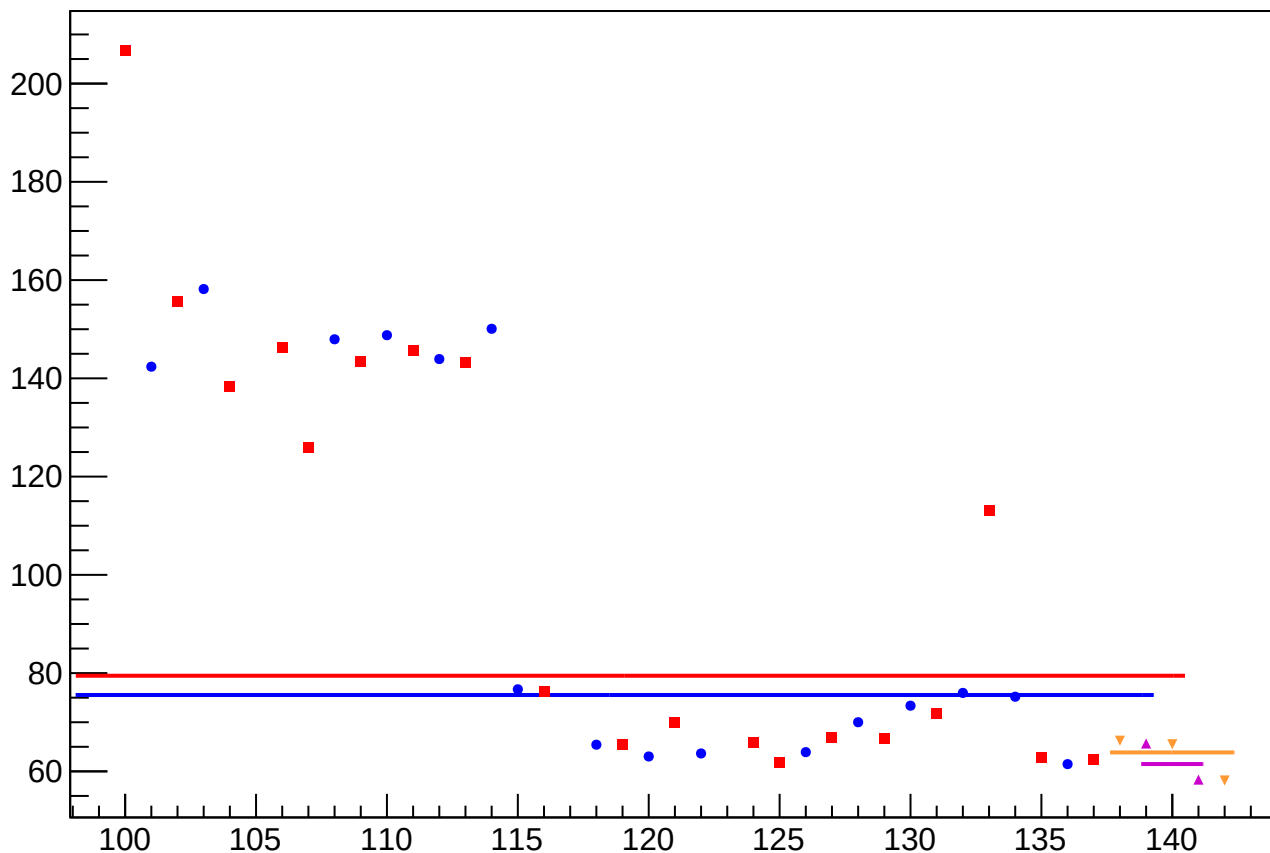
Left In: -46.943 $\pm$ 46.978 χ^2 /NDF:0.9/1

+ sign 49.170 $\pm$ 24.892 χ^2 /NDF: 20.7/18

All: 4.578 $\pm$ 17.986 χ^2 /NDF: 51.6/39

- sign -44.140 $\pm$ 26.018 χ^2 /NDF: 24.2/20

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF : 1465535.8/15

Left Out: 63.855+/-0.032 χ^2/NDF :11474.4/2

Right Out: 79.465+/-0.022 χ^2/NDF : 1683627.3/18

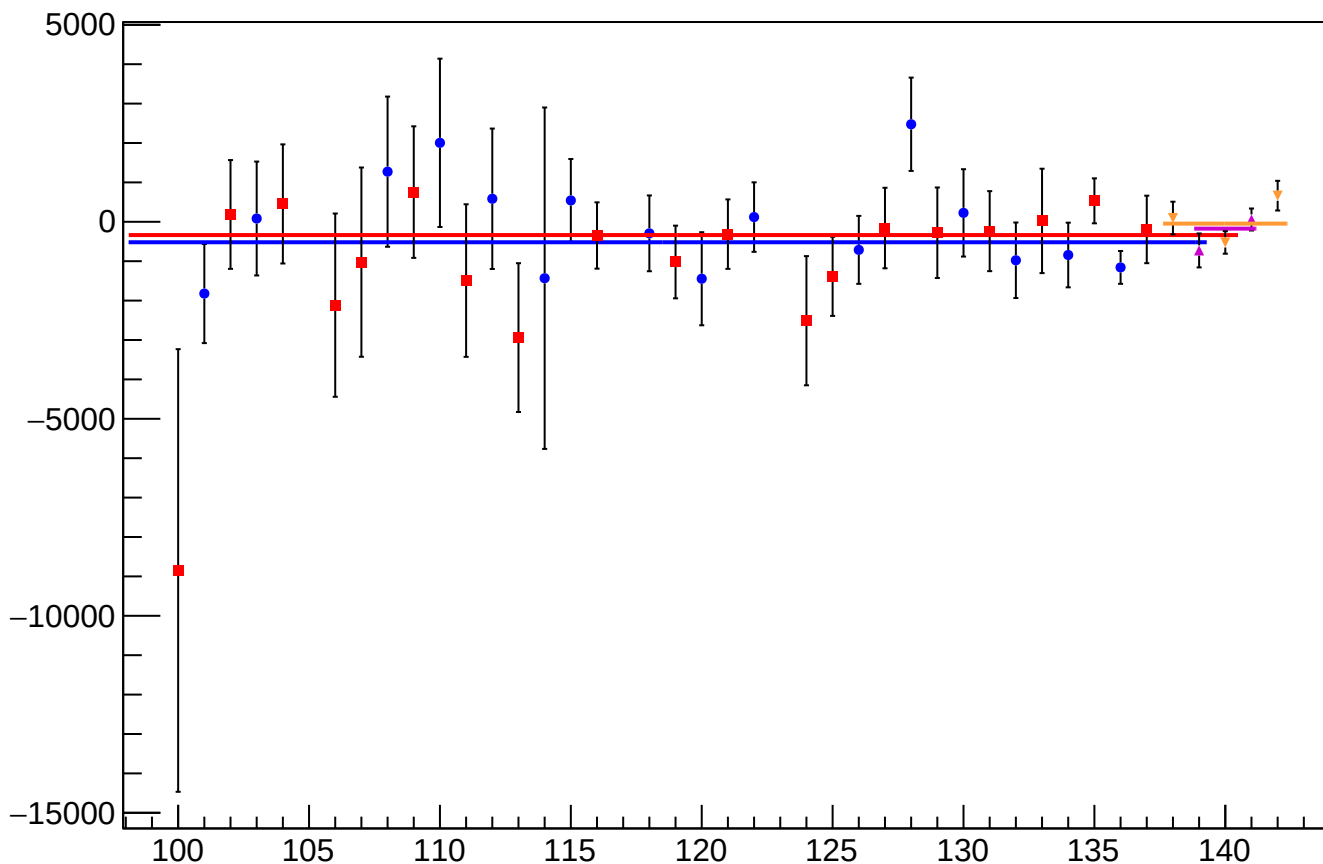
Left In: 61.494+/-0.033 χ^2/NDF :12009.8/1

+ sign 71.951+/-0.018 χ^2/NDF : 1570907.9/18

All: 72.908+/-0.013 χ^2/NDF : 3475637.9/39

- sign 73.953+/-0.018 χ^2/NDF : 1898551.6/20

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug



Right In: -519.247 ± 241.316 χ^2/NDF : 15.8/15

Left Out: -46.143 ± 199.629 χ^2/NDF : 6.4/2

Right Out: -336.731 ± 256.617 χ^2/NDF : 11.9/18

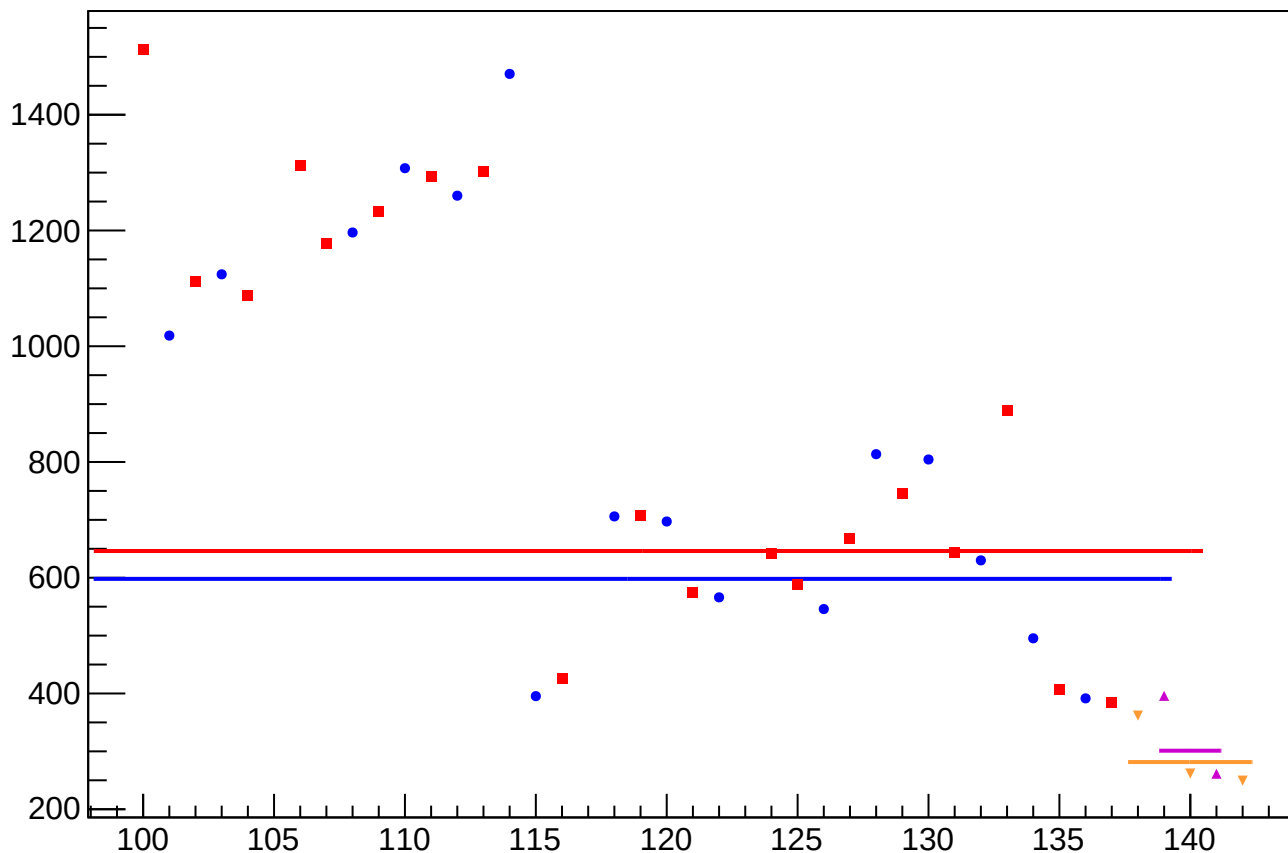
Left In: -173.453 ± 234.241 χ^2/NDF : 2.3/1

+ sign -238.364 ± 153.818 χ^2/NDF : 24.5/18

All: -242.470 ± 114.953 χ^2/NDF : 39.0/39

- sign -247.664 ± 173.004 χ^2/NDF : 14.5/20

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



Right In: 598.044 $\pm$ 0.171 χ^2 /NDF: 2047806.5/15

Left Out: 281.525 $\pm$ 0.141 χ^2 /NDF:99390.9/2

Right Out: 646.190 $\pm$ 0.181 χ^2 /NDF: 2205421.4/18

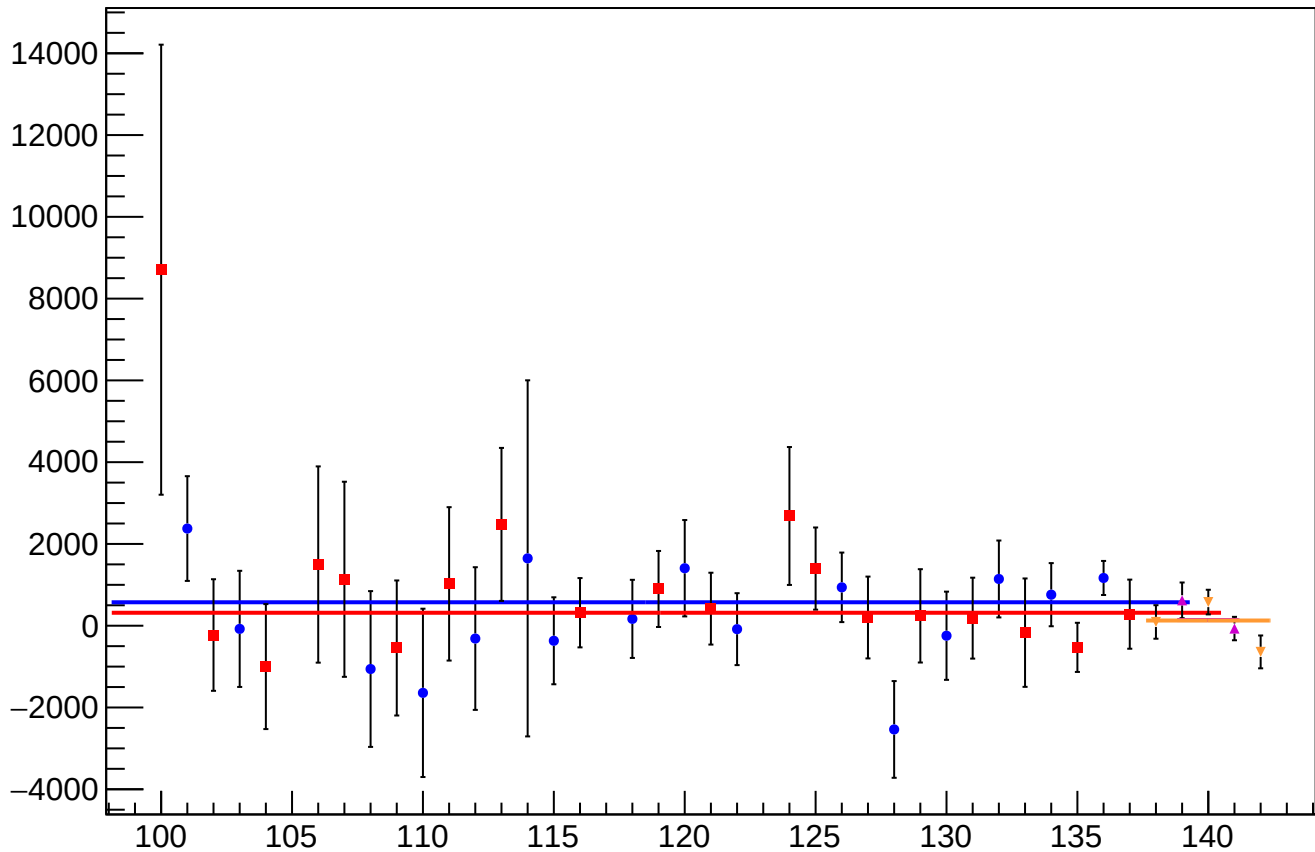
Left In: 301.147 $\pm$ 0.166 χ^2 /NDF:137334.0/1

+ sign 410.125 $\pm$ 0.109 χ^2 /NDF: 4189994.2/18

All: 431.250 $\pm$ 0.081 χ^2 /NDF: 8590567.4/39

- sign 457.972 $\pm$ 0.122 χ^2 /NDF: 4315137.6/20

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF : 16.6/15

Left Out: 127.095+/-207.810 χ^2/NDF : 5.9/2

Right Out: 316.830+/-258.239 χ^2/NDF : 11.0/18

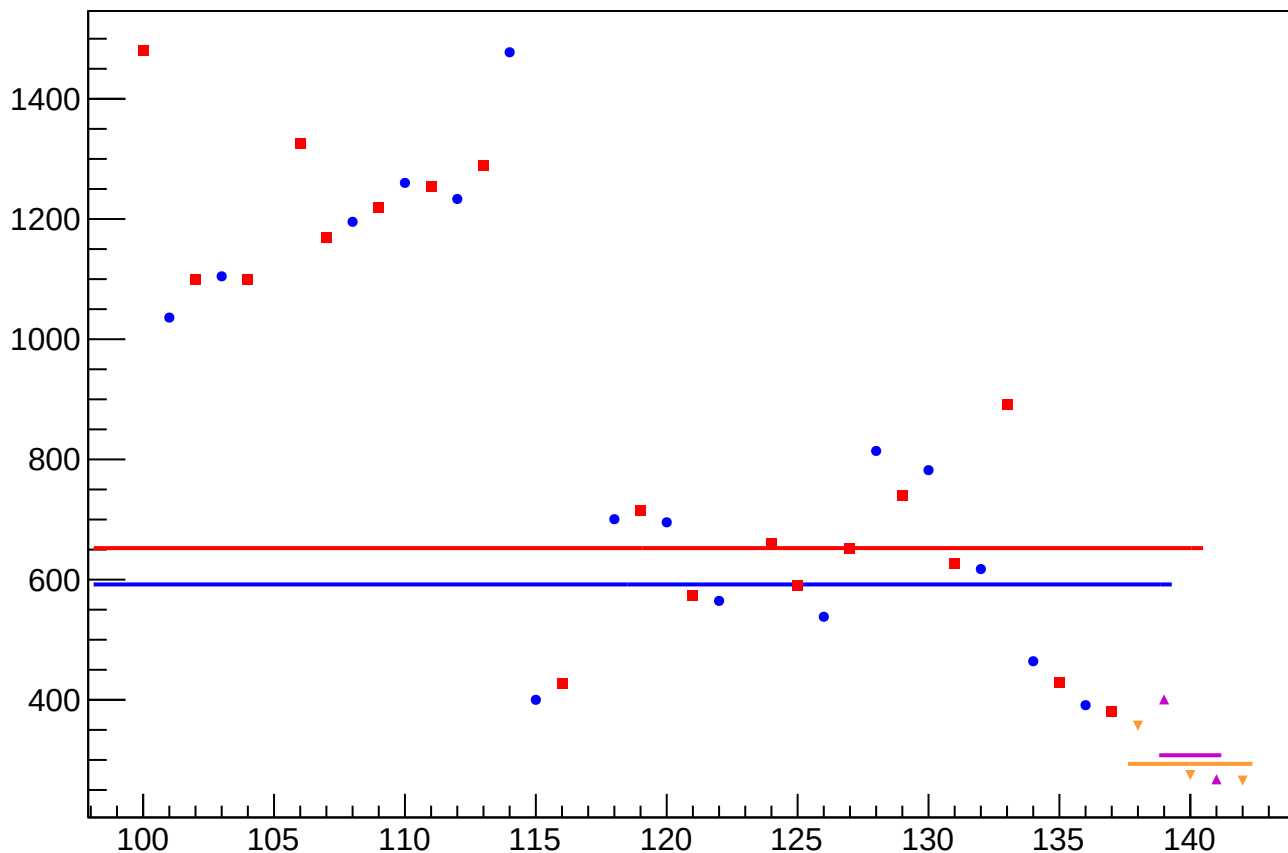
Left In: 138.389+/-239.340 χ^2/NDF : 1.8/1

+ sign 319.305+/-156.797 χ^2/NDF : 24.4/18

All: 275.609+/-116.940 χ^2/NDF : 37.7/39

- sign 220.842+/-175.540 χ^2/NDF : 13.0/20

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF : 2035700.6/15

Left Out: 293.461+/-0.147 χ^2/NDF : 65239.0/2

Right Out: 652.459+/-0.183 χ^2/NDF : 2089983.3/18

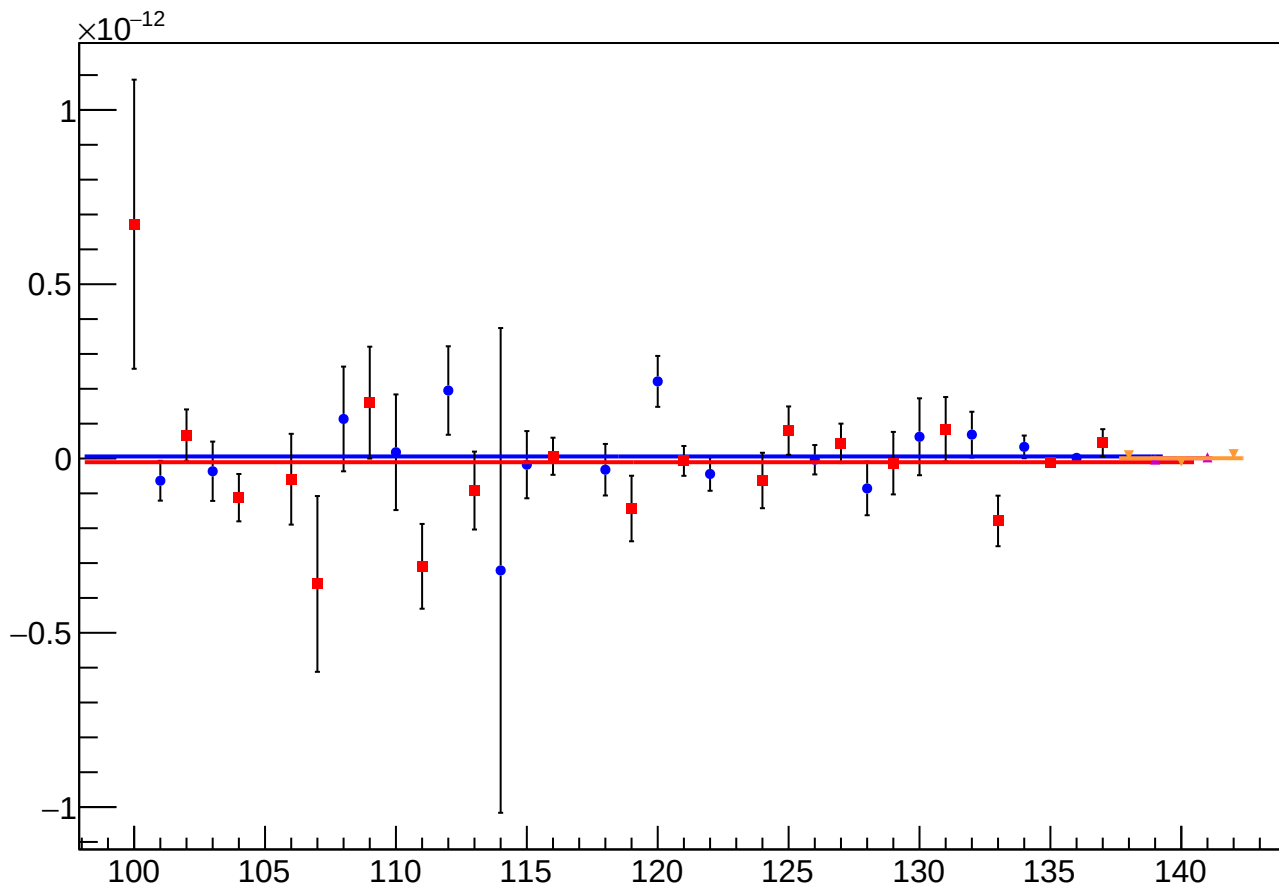
Left In: 307.808+/-0.169 χ^2/NDF : 129881.2/1

+ sign 422.029+/-0.111 χ^2/NDF : 3878369.9/18

All: 442.014+/-0.083 χ^2/NDF : 8087773.1/39

- sign 467.062+/-0.124 χ^2/NDF : 4136189.7/20

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 : 3.0/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.5/18

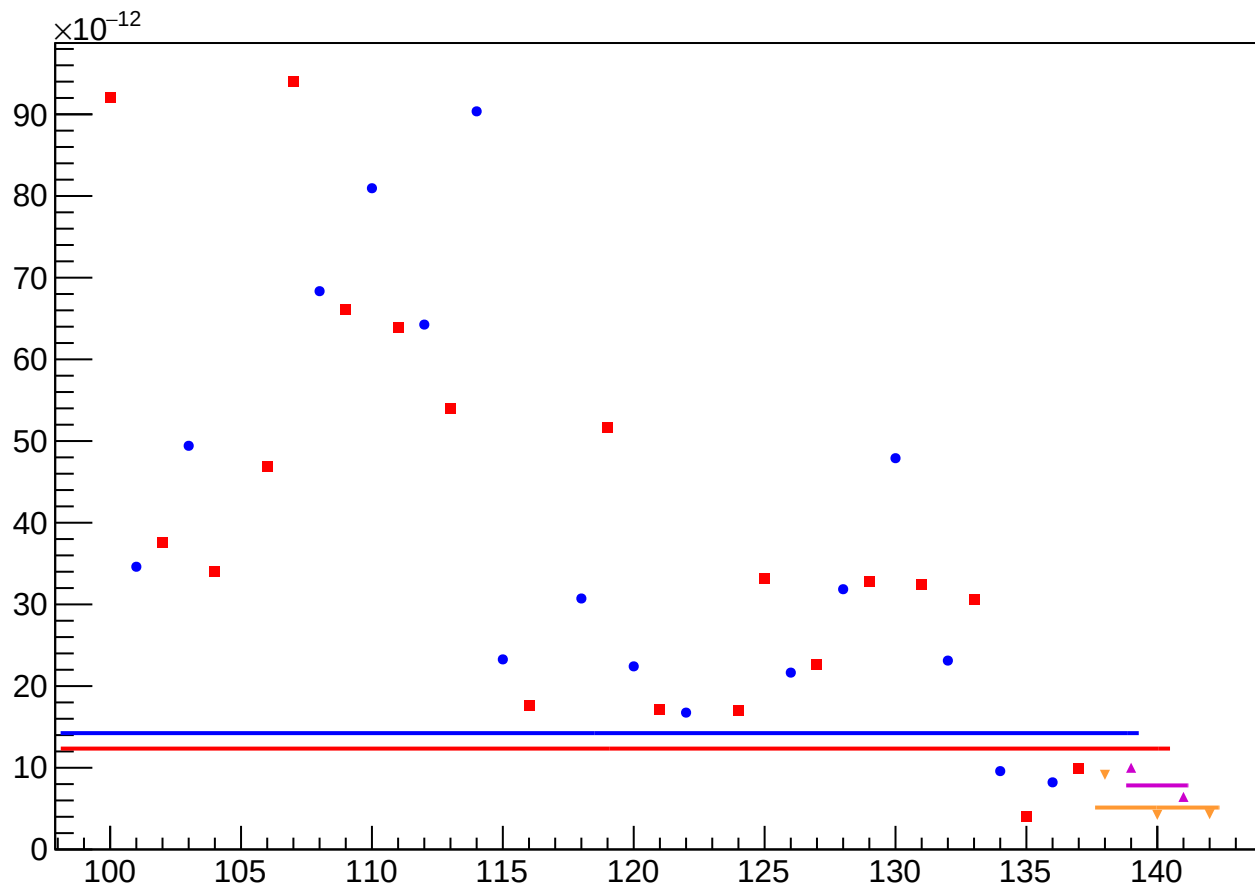
Left In: 0.000 ± 0.000 χ^2/NDF : 0.1/1

+ sign 0.000 ± 0.000 χ^2/NDF : 21.5/18

All: -0.000 ± 0.000 χ^2/NDF : 52.2/39

- sign -0.000 ± 0.000 χ^2/NDF : 30.3/20

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 :204718.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3472954.4/18

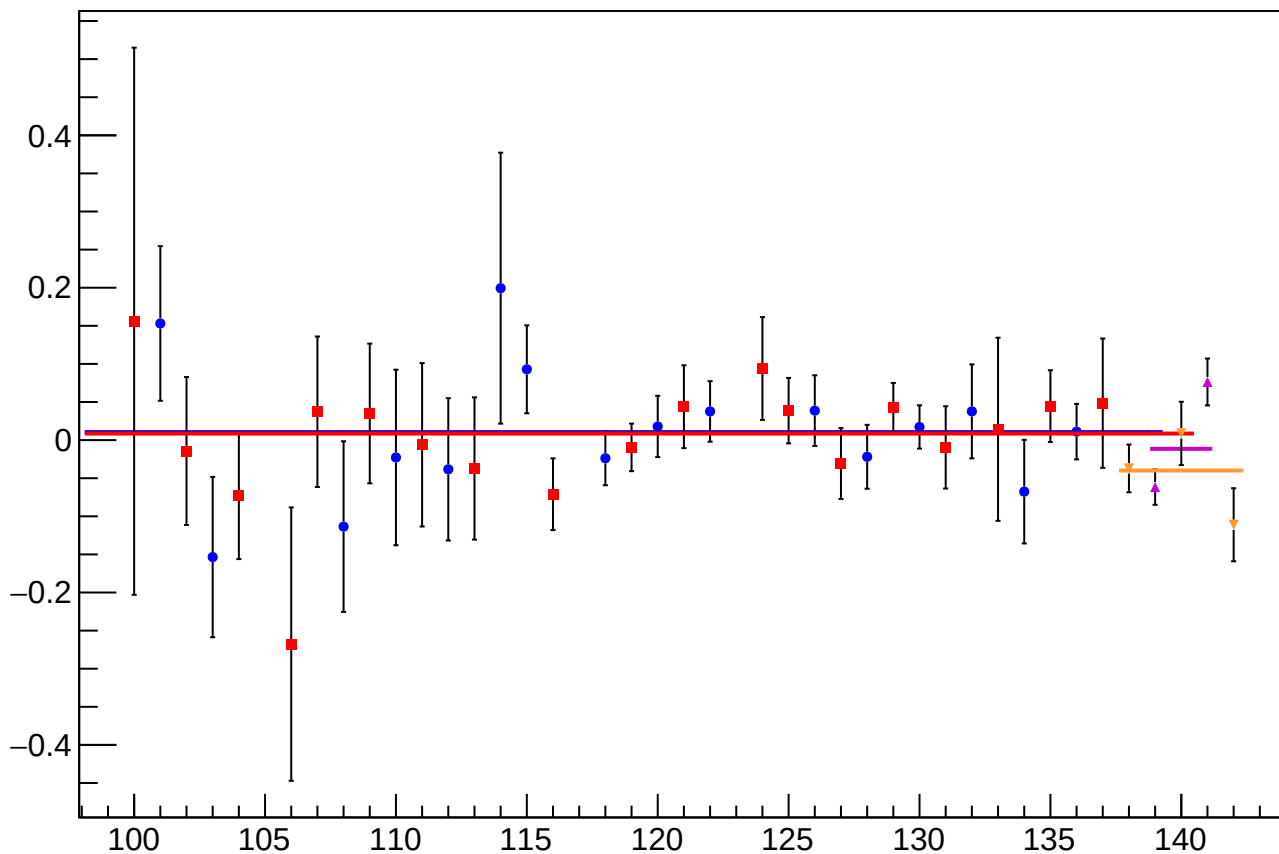
Left In: 0.000+/-0.000 χ^2/NDF :73509.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 3845445.3/18

All: 0.000+/-0.000 χ^2/NDF : 7771599.1/39

- sign 0.000+/-0.000 χ^2/NDF : 3756264.4/20

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: -0.040 $\pm$ 0.022 χ^2 /NDF: 3.6/2

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

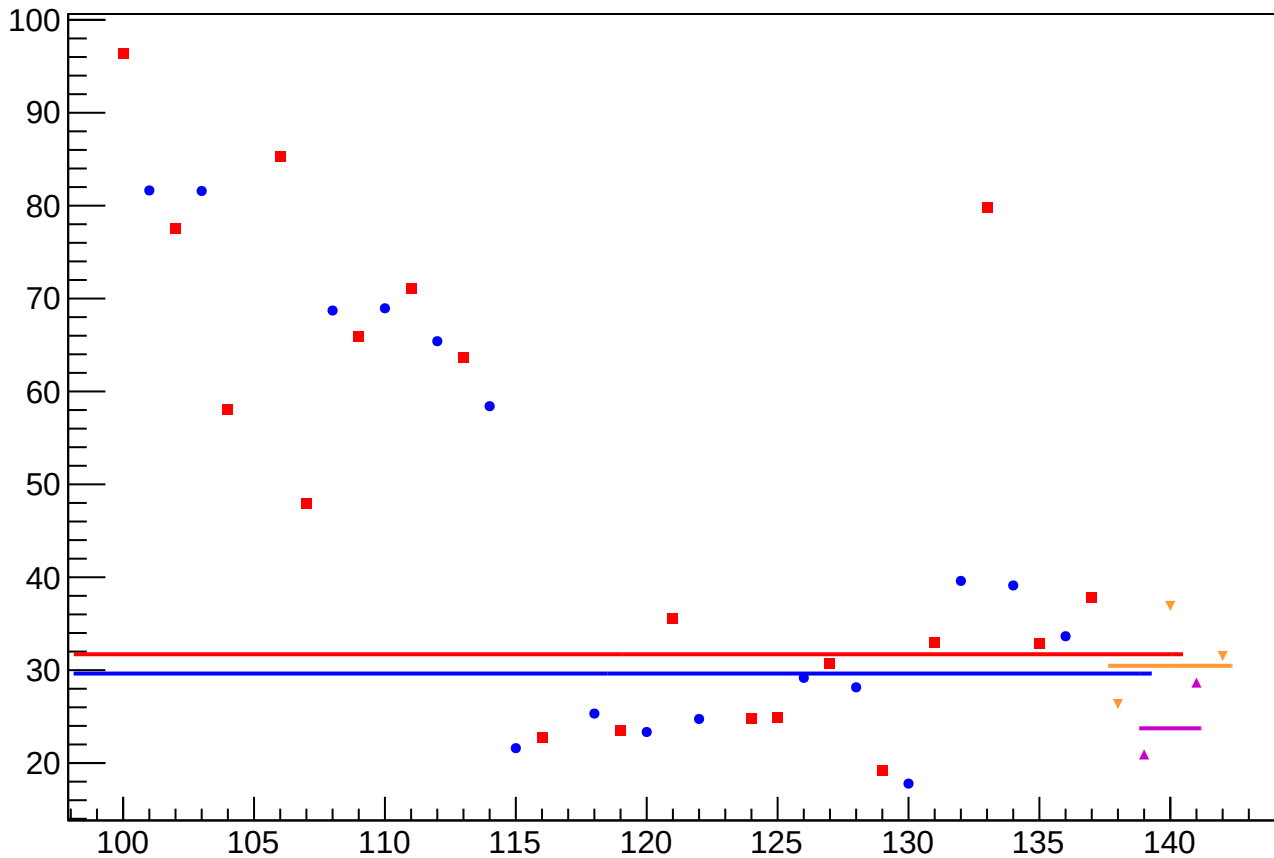
Left In: -0.011 $\pm$ 0.019 χ^2 /NDF: 12.8/1

+ sign -0.002 $\pm$ 0.011 χ^2 /NDF: 20.6/18

All: 0.000 $\pm$ 0.008 χ^2 /NDF: 46.7/39

- sign 0.002 $\pm$ 0.011 χ^2 /NDF: 26.0/20

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: 30.471 $\pm$ 0.016 χ^2 /NDF:83683.1/2

Right Out: 31.712 $\pm$ 0.009 χ^2 /NDF: 2651470.3/18

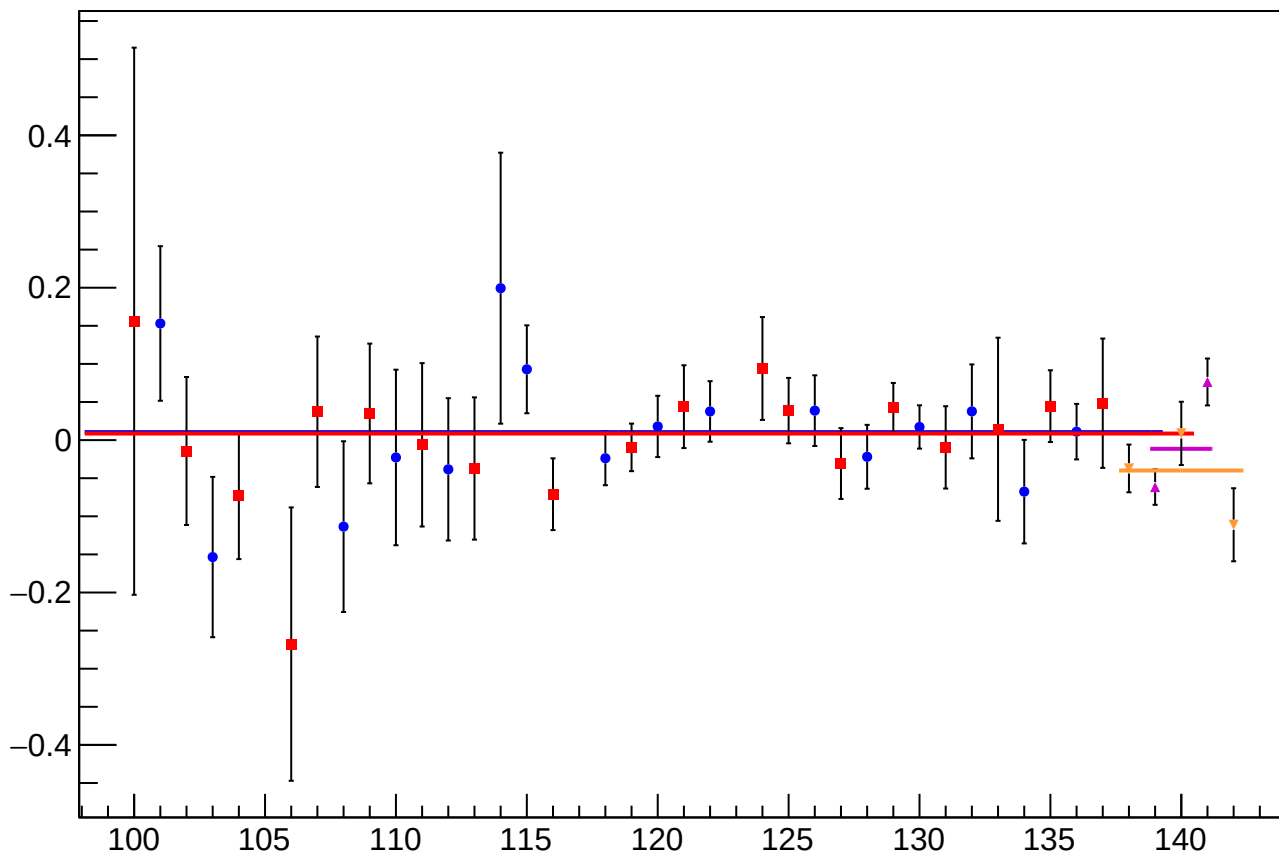
Left In: 23.740 $\pm$ 0.013 χ^2 /NDF:80363.9/1

+ sign 29.838 $\pm$ 0.008 χ^2 /NDF: 2534308.4/18

All: 29.426 $\pm$ 0.005 χ^2 /NDF: 5516195.9/39

- sign 29.025 $\pm$ 0.008 χ^2 /NDF: 2976270.9/20

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: -0.040 $\pm$ 0.022 χ^2 /NDF: 3.6/2

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

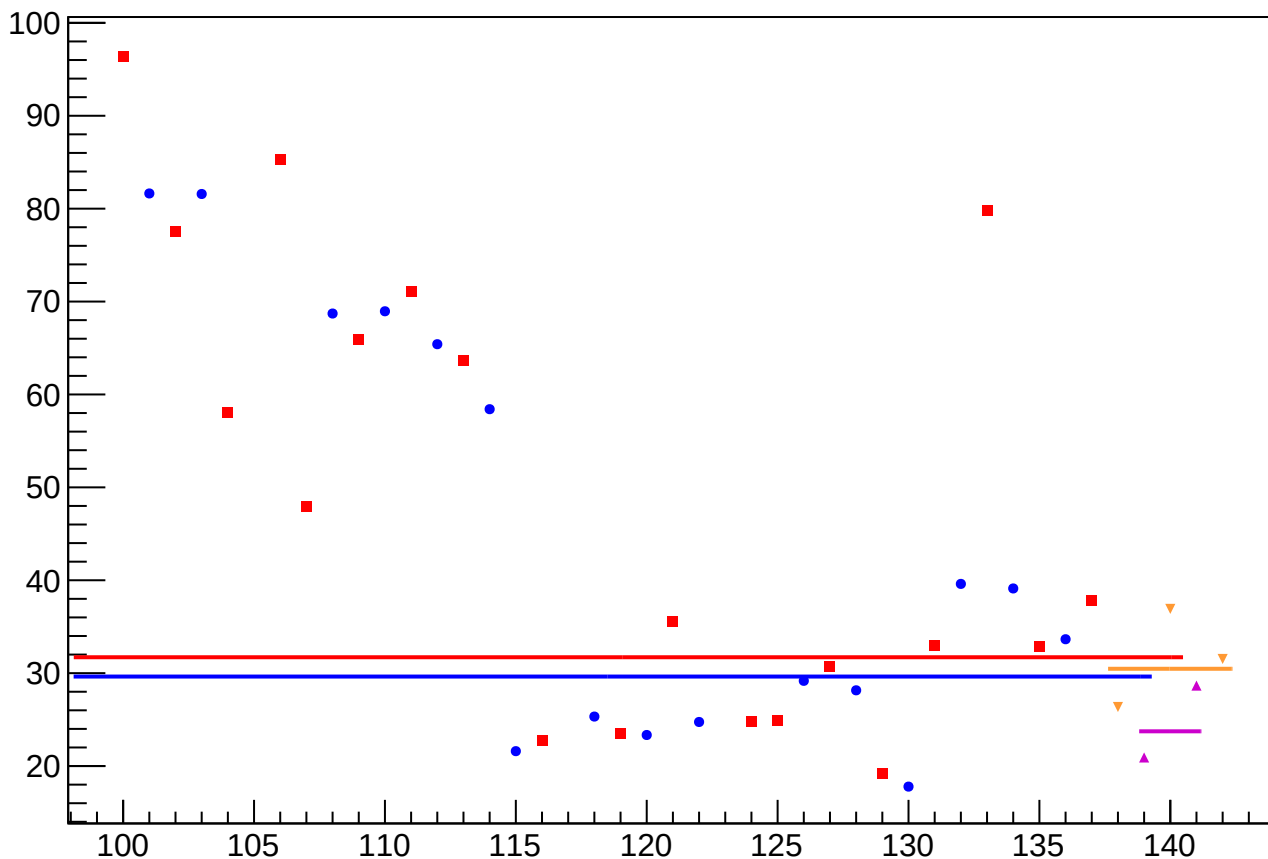
Left In: -0.011 $\pm$ 0.019 χ^2 /NDF: 12.8/1

+ sign -0.002 $\pm$ 0.011 χ^2 /NDF: 20.6/18

All: 0.000 $\pm$ 0.008 χ^2 /NDF: 46.7/39

- sign 0.002 $\pm$ 0.011 χ^2 /NDF: 26.0/20

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: 30.471 $\pm$ 0.016 χ^2 /NDF:83683.1/2

Right Out: 31.712 $\pm$ 0.009 χ^2 /NDF: 2651470.3/18

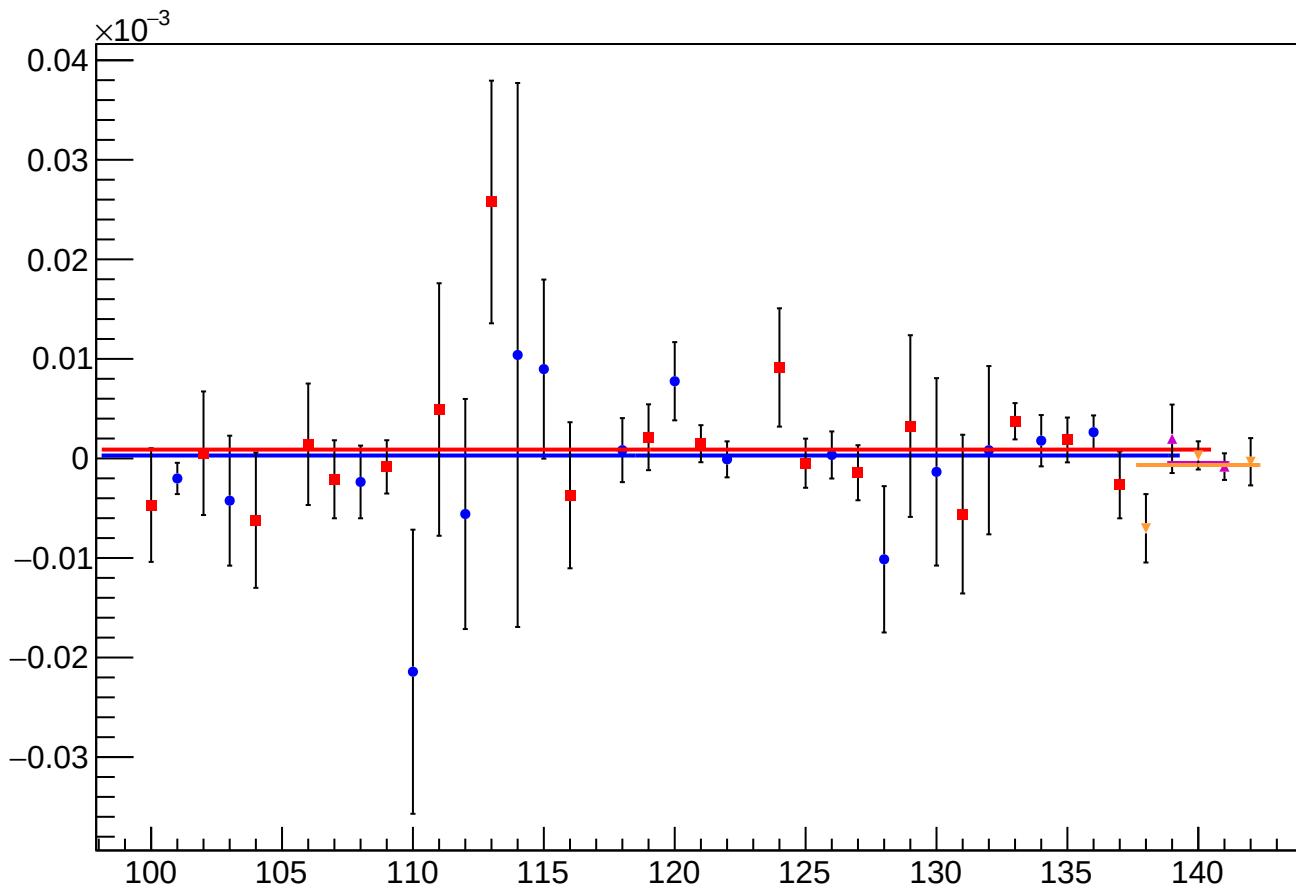
Left In: 23.740 $\pm$ 0.013 χ^2 /NDF:80363.9/1

+ sign 29.838 $\pm$ 0.008 χ^2 /NDF: 2534308.4/18

All: 29.426 $\pm$ 0.005 χ^2 /NDF: 5516195.9/39

- sign 29.025 $\pm$ 0.008 χ^2 /NDF: 2976270.9/20

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: 3.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.4/18

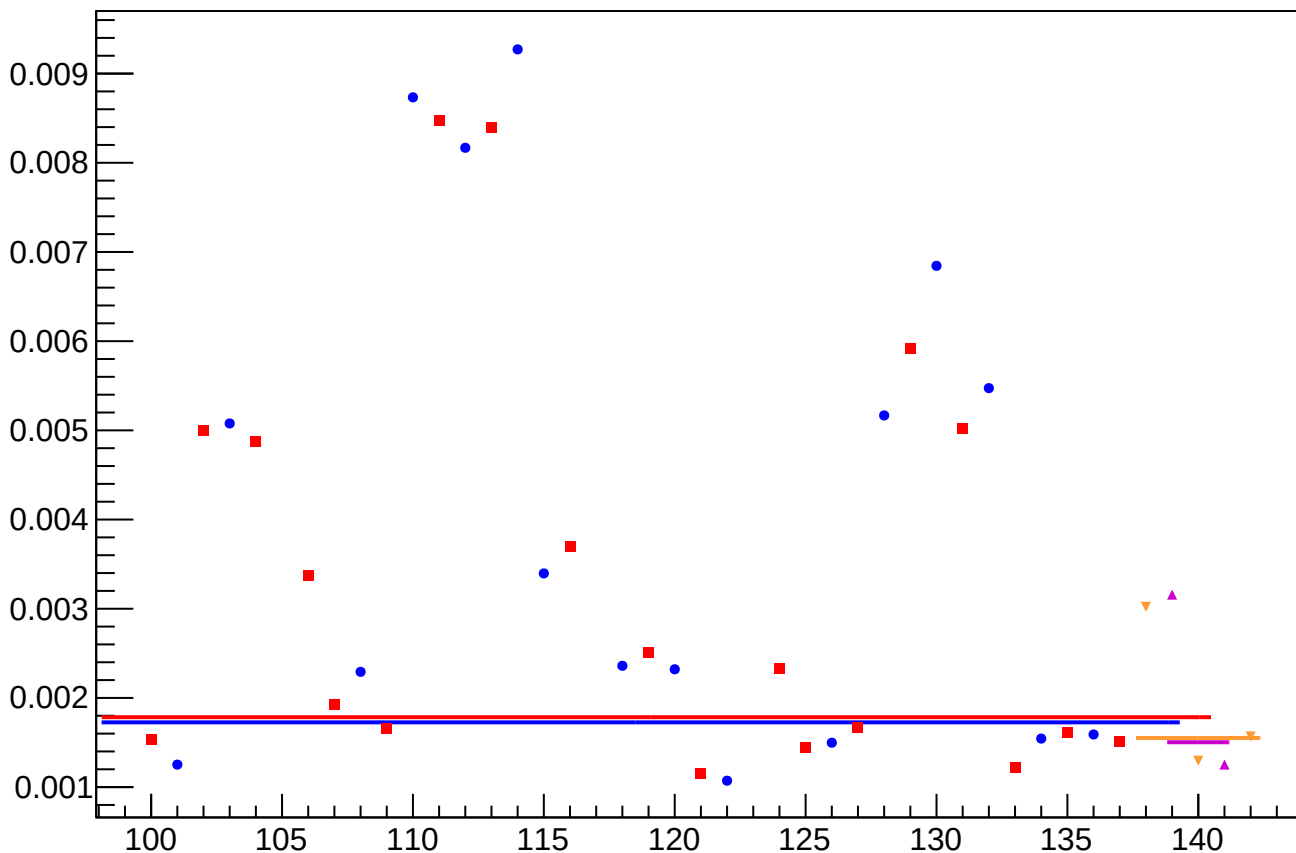
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.2/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.3/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/20

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 :431541.6/2

Right Out: 0.002+/-0.000 χ^2/NDF : 3718778.6/18

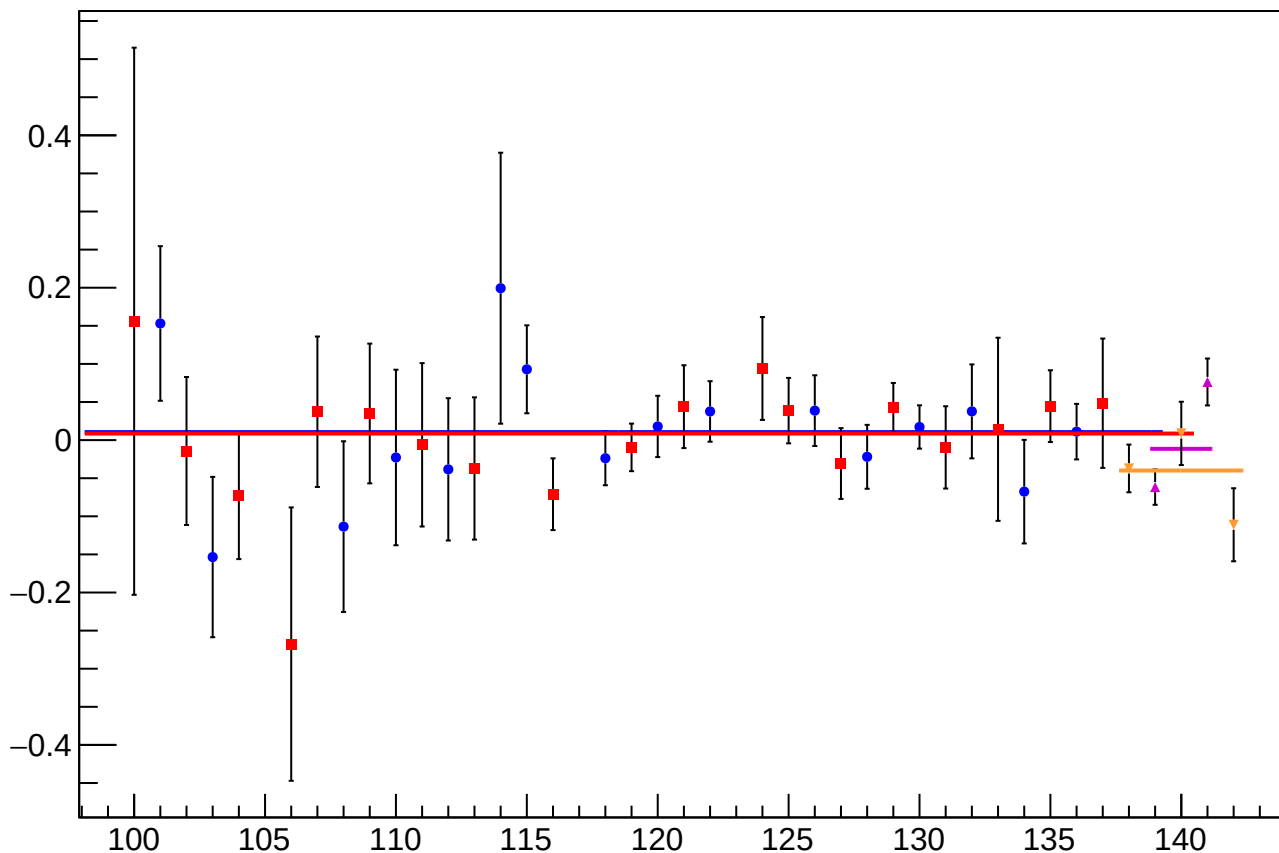
Left In: 0.002+/-0.000 χ^2/NDF :533502.2/1

+ sign 0.002+/-0.000 χ^2/NDF : 4396140.7/18

All: 0.002+/-0.000 χ^2/NDF : 8724259.1/39

- sign 0.002+/-0.000 χ^2/NDF : 4325559.6/20

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: -0.040 $\pm$ 0.022 χ^2 /NDF: 3.6/2

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

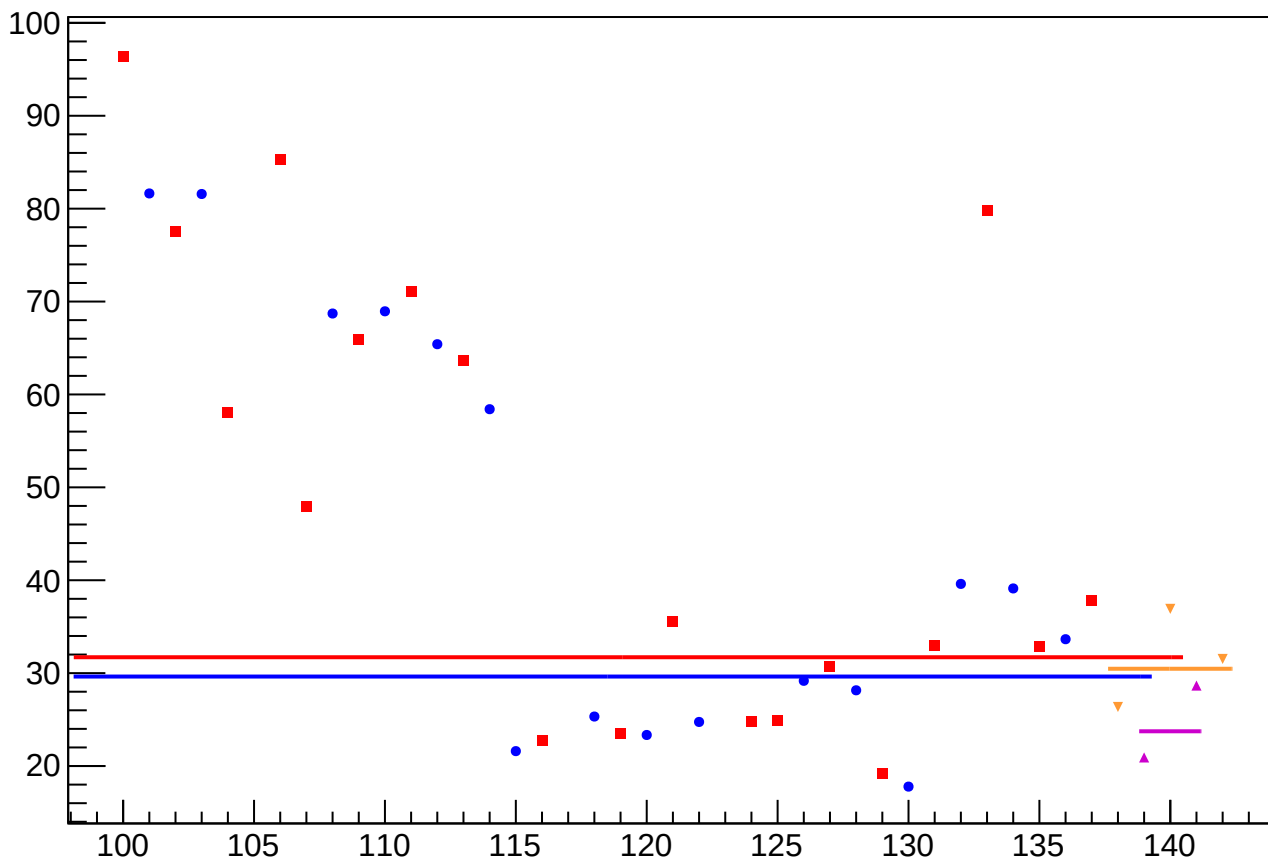
Left In: -0.011 $\pm$ 0.019 χ^2 /NDF: 12.8/1

+ sign -0.002 $\pm$ 0.011 χ^2 /NDF: 20.6/18

All: 0.000 $\pm$ 0.008 χ^2 /NDF: 46.7/39

- sign 0.002 $\pm$ 0.011 χ^2 /NDF: 26.0/20

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: 30.471 $\pm$ 0.016 χ^2 /NDF: 83689.0/2

Right Out: 31.711 $\pm$ 0.009 χ^2 /NDF: 2651638.6/18

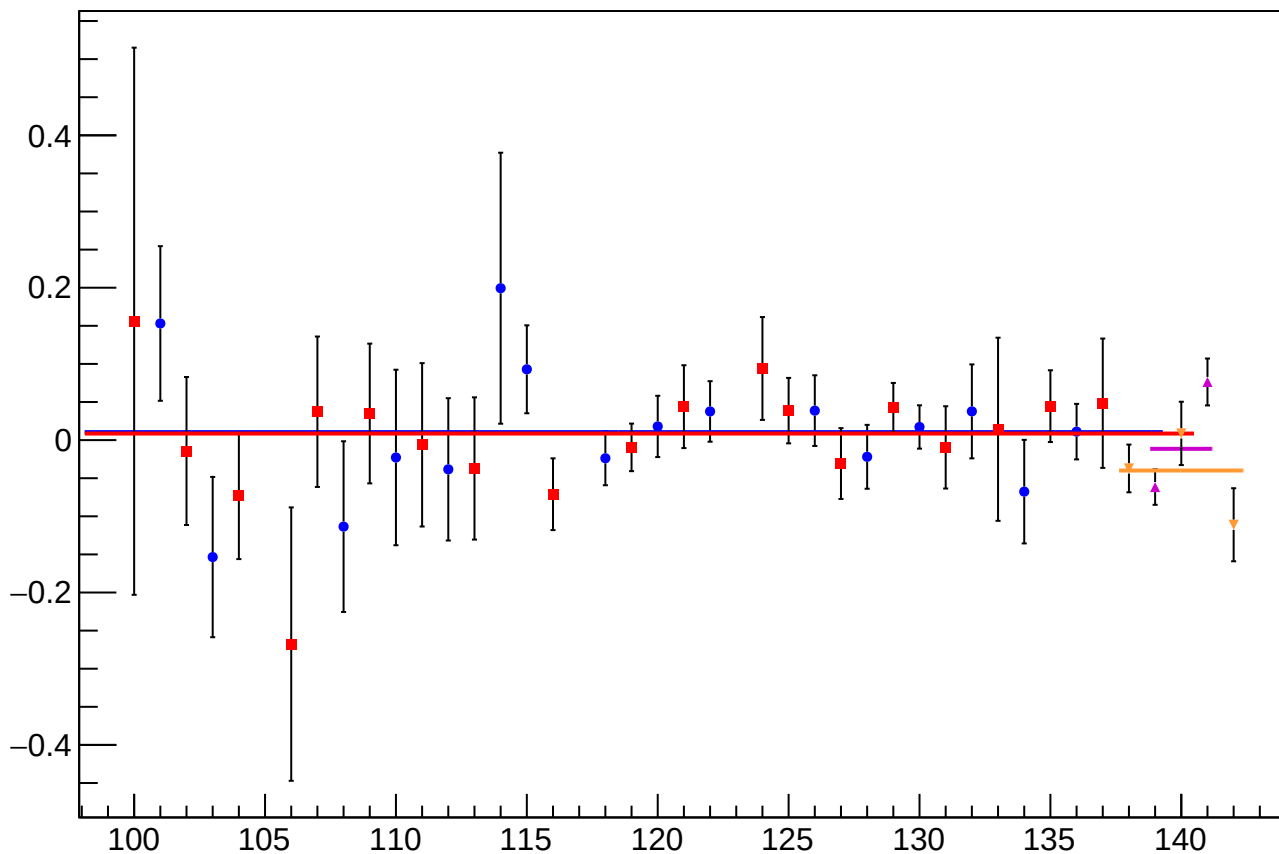
Left In: 23.740 $\pm$ 0.013 χ^2 /NDF: 80361.9/1

+ sign 29.837 $\pm$ 0.008 χ^2 /NDF: 2534523.5/18

All: 29.425 $\pm$ 0.005 χ^2 /NDF: 5516471.0/39

- sign 29.024 $\pm$ 0.008 χ^2 /NDF: 2976336.2/20

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 ± 0.013 χ^2/NDF : 13.1/15

Left Out: -0.040 ± 0.022 χ^2/NDF : 3.6/2

Right Out: 0.009 ± 0.013 χ^2/NDF : 12.4/18

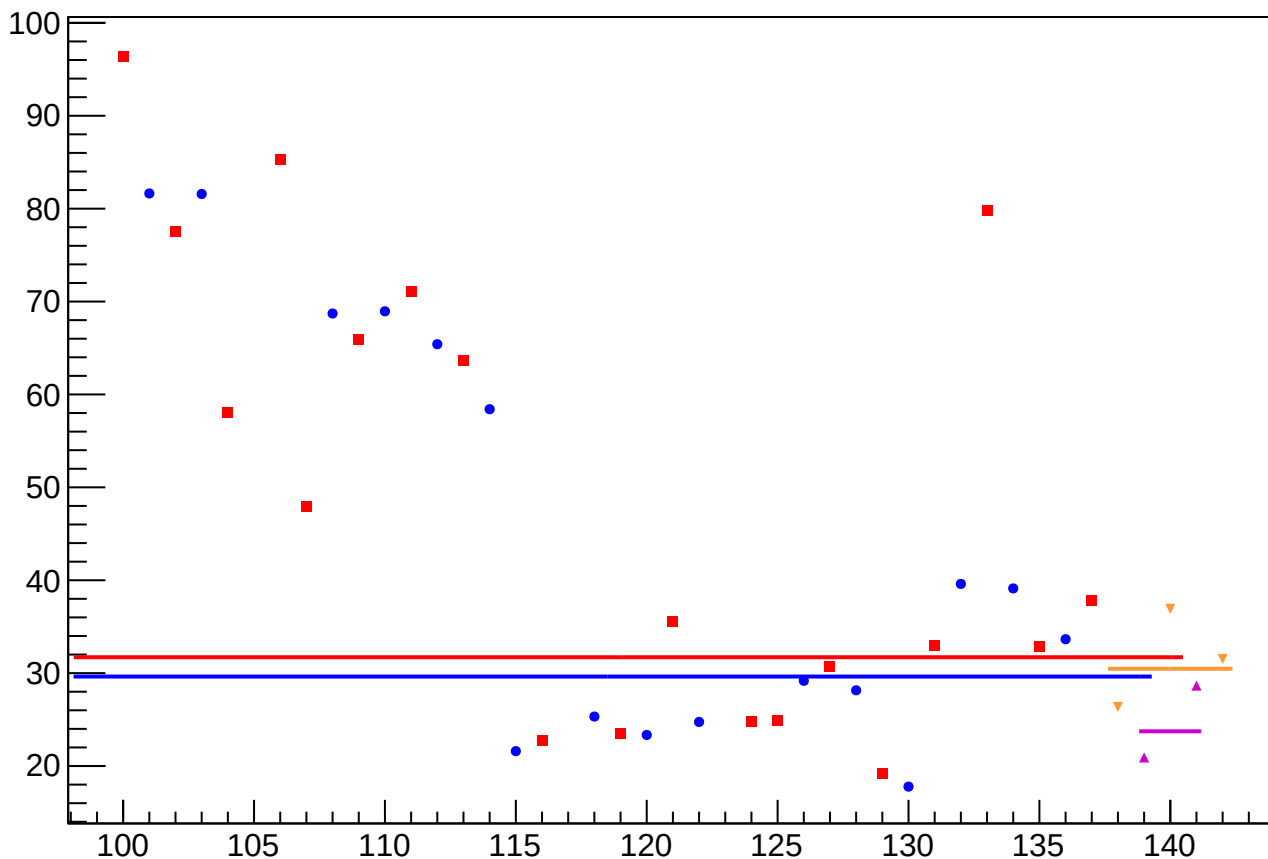
Left In: -0.011 ± 0.019 χ^2/NDF : 12.8/1

+ sign -0.002 ± 0.011 χ^2/NDF : 20.6/18

All: 0.000 ± 0.008 χ^2/NDF : 46.7/39

- sign 0.002 ± 0.011 χ^2/NDF : 26.0/20

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.633 $\pm$ 0.009 χ^2 /NDF: 2448670.6/15

Left Out: 30.471 $\pm$ 0.016 χ^2 /NDF:83689.0/2

Right Out: 31.711 $\pm$ 0.009 χ^2 /NDF: 2651638.6/18

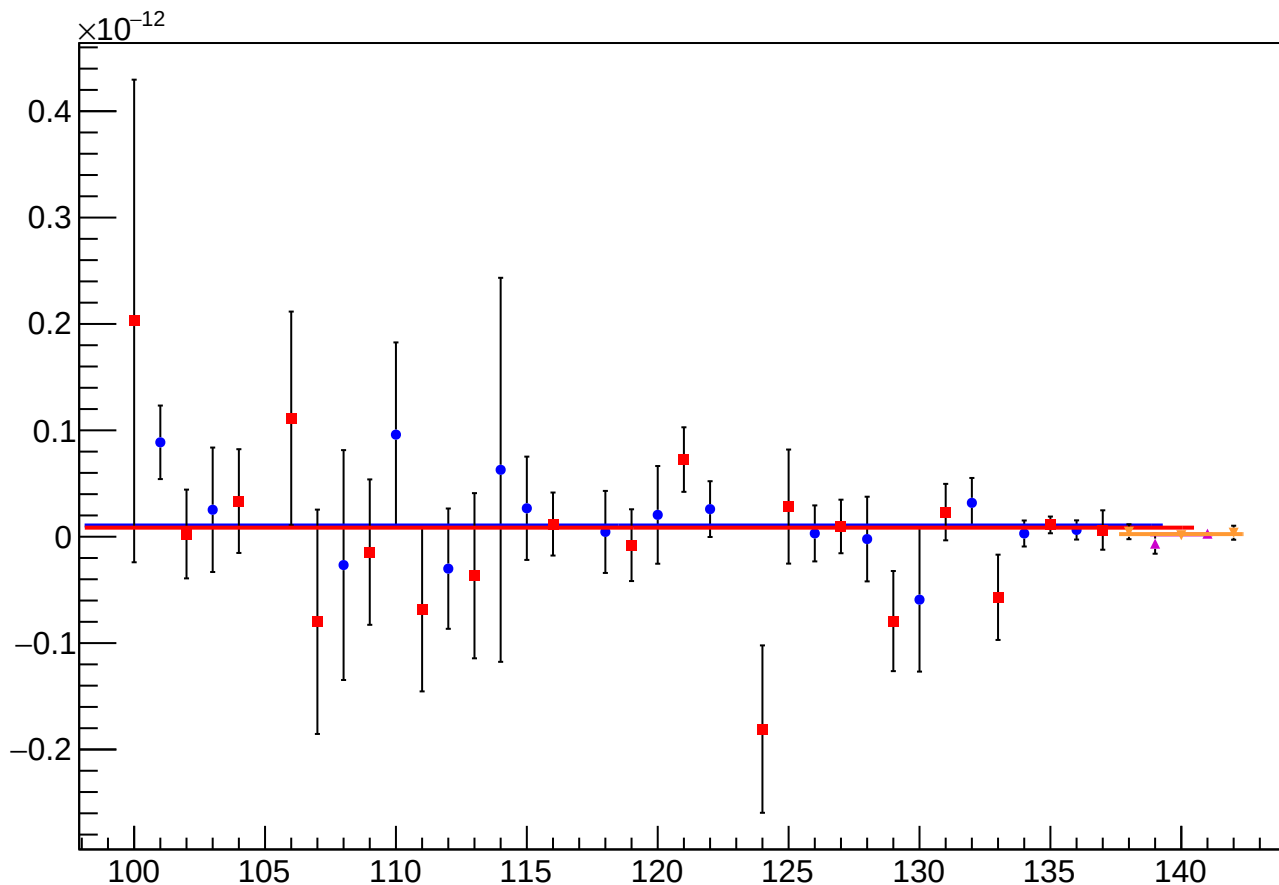
Left In: 23.740 $\pm$ 0.013 χ^2 /NDF:80361.9/1

+ sign 29.837 $\pm$ 0.008 χ^2 /NDF: 2534523.5/18

All: 29.425 $\pm$ 0.005 χ^2 /NDF: 5516471.0/39

- sign 29.024 $\pm$ 0.008 χ^2 /NDF: 2976336.2/20

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 10.1/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.2/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.4/18

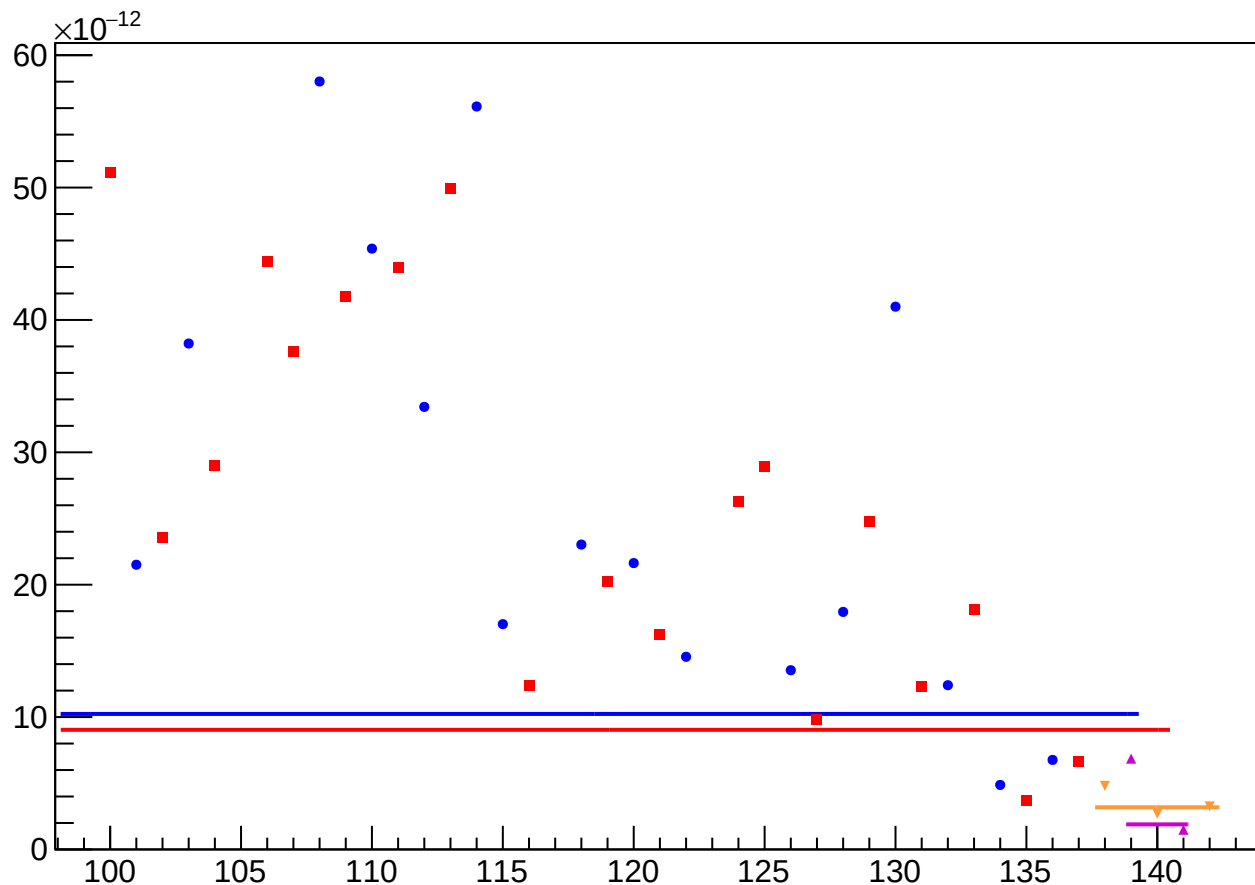
Left In: 0.000 ± 0.000 χ^2/NDF : 0.9/1

+ sign 0.000 ± 0.000 χ^2/NDF : 11.8/18

All: 0.000 ± 0.000 χ^2/NDF : 35.1/39

- sign 0.000 ± 0.000 χ^2/NDF : 23.3/20

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 : 140179.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 4514368.5/18

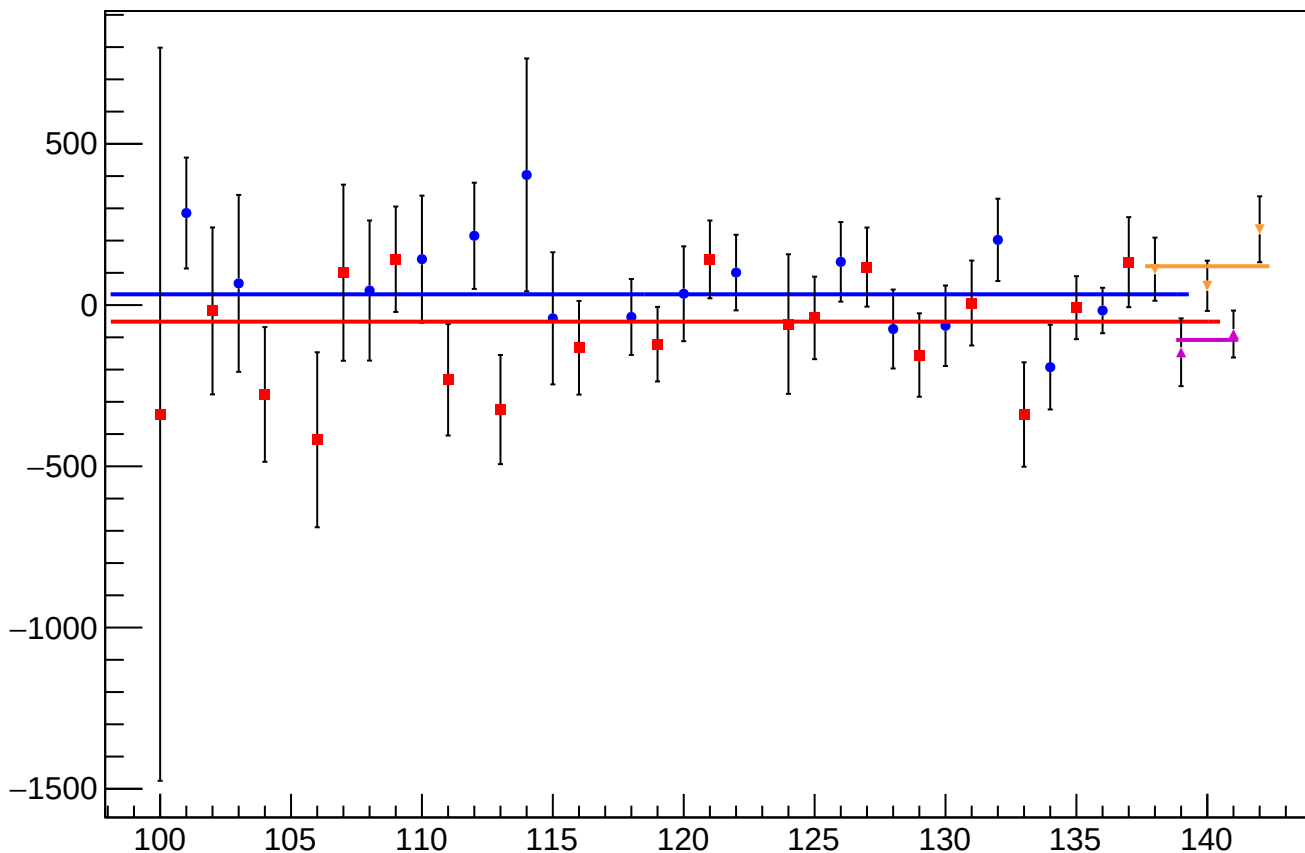
Left In: 0.000+/-0.000 χ^2/NDF : 595359.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 5877009.2/18

All: 0.000+/-0.000 χ^2/NDF : 13792365.1/39

- sign 0.000+/-0.000 χ^2/NDF : 7551040.4/20

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431 $\pm$ 33.881 χ^2 /NDF: 12.8/15

Left Out: 120.517 $\pm$ 52.333 χ^2 /NDF: 1.9/2

Right Out: -51.335 $\pm$ 34.851 χ^2 /NDF: 19.6/18

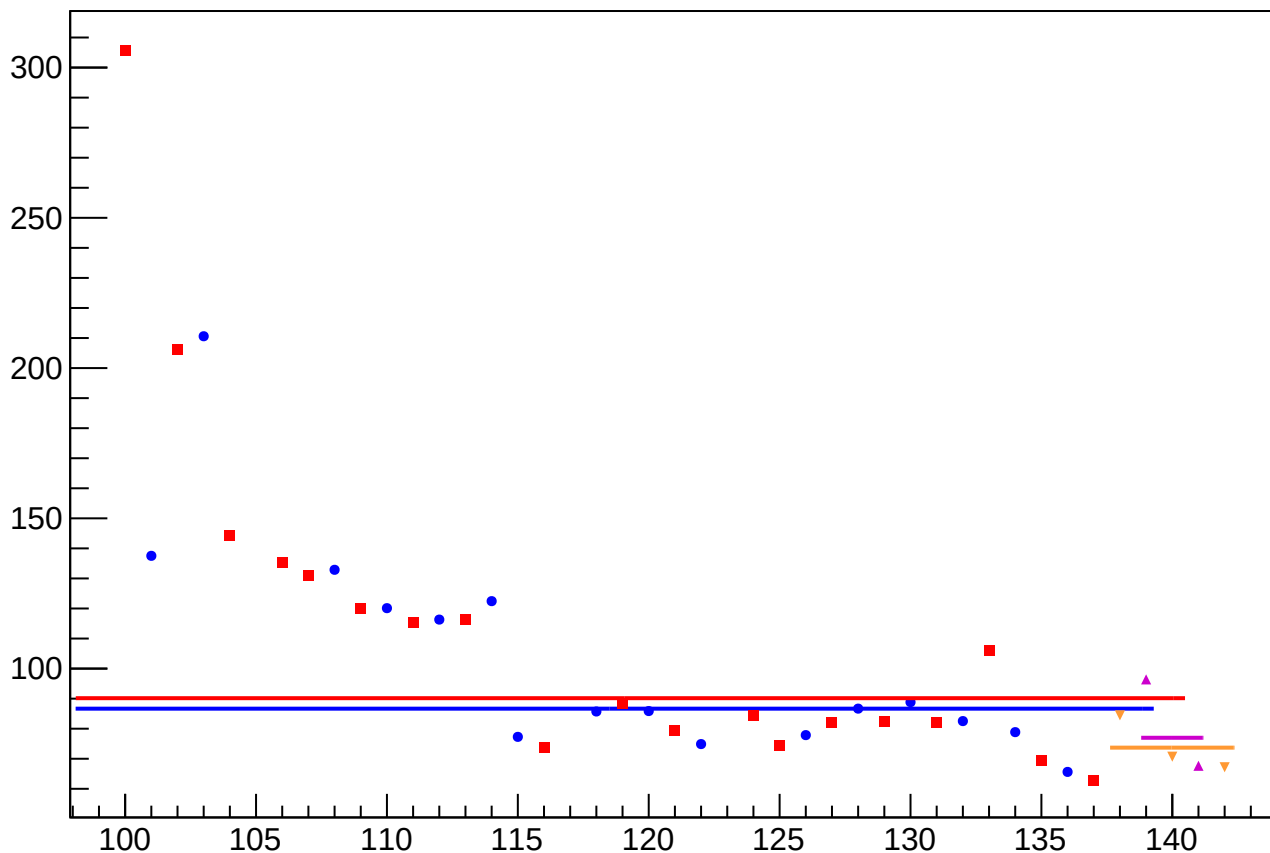
Left In: -108.038 $\pm$ 59.822 χ^2 /NDF: 0.2/1

+ sign 59.151 $\pm$ 28.441 χ^2 /NDF: 16.6/18

All: 0.287 $\pm$ 20.677 χ^2 /NDF: 46.2/39

- sign -65.704 $\pm$ 30.113 χ^2 /NDF: 20.4/20

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666 $\pm$ 0.024 χ^2 /NDF: 1038813.4/15

Left Out: 73.697 $\pm$ 0.037 χ^2 /NDF: 35305.7/2

Right Out: 90.153 $\pm$ 0.025 χ^2 /NDF: 1149976.9/18

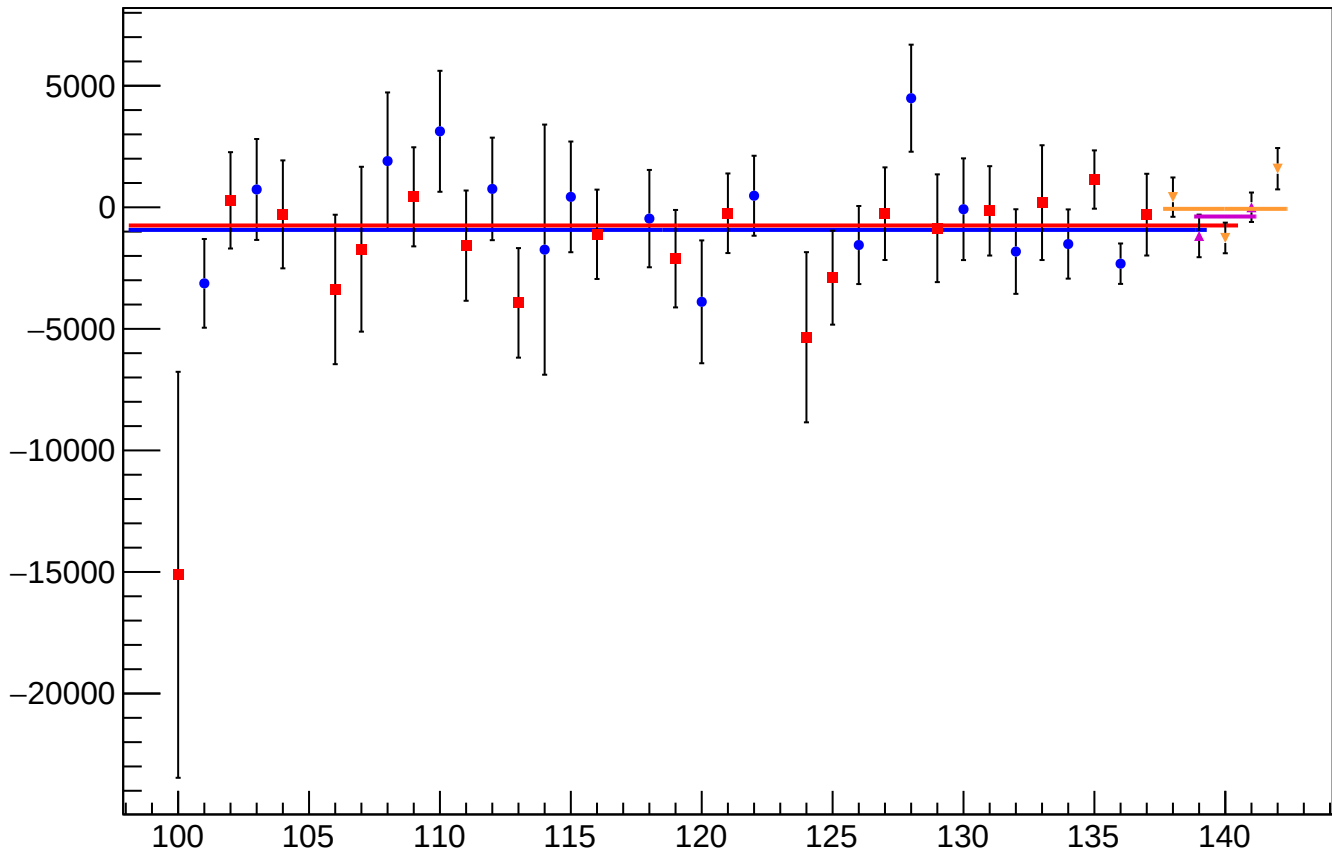
Left In: 76.979 $\pm$ 0.042 χ^2 /NDF: 101183.8/1

+ sign 82.836 $\pm$ 0.020 χ^2 /NDF: 1160676.4/18

All: 84.712 $\pm$ 0.015 χ^2 /NDF: 2502709.8/39

- sign 86.815 $\pm$ 0.021 χ^2 /NDF: 1323577.7/20

asym_sam_3726_avg_reg_correction_mean vs Slug



Right In: -929.821 ± 440.893 χ^2/NDF : 18.5/15

Left Out: -63.416 ± 428.966 χ^2/NDF : 7.7/2

Right Out: -747.199 ± 467.902 χ^2/NDF : 13.0/18

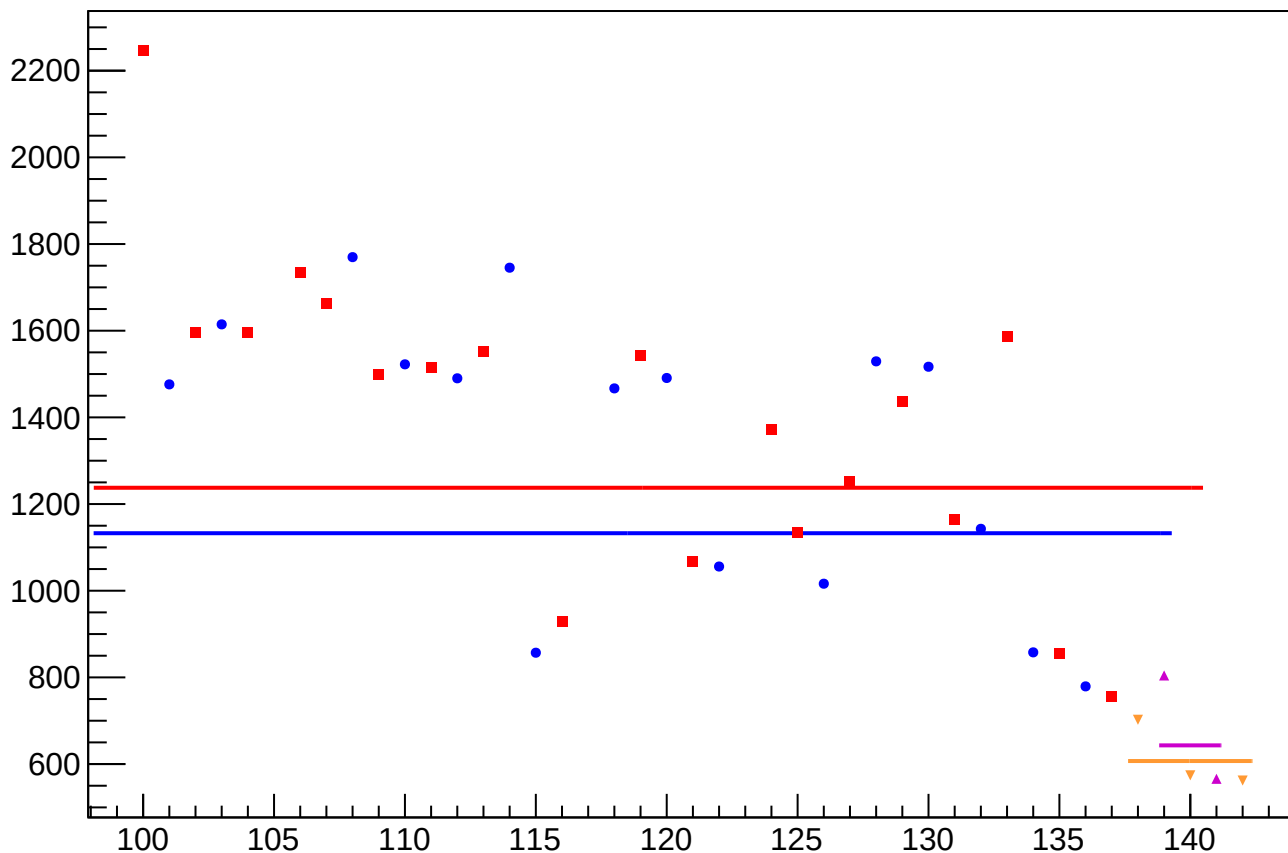
Left In: -378.673 ± 498.034 χ^2/NDF : 1.2/1

+ sign -484.741 ± 307.455 χ^2/NDF : 28.3/18

All: -524.952 ± 228.348 χ^2/NDF : 42.8/39

- sign -574.420 ± 341.012 χ^2/NDF : 14.5/20

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688 $\pm$ 0.312 χ^2 /NDF: 1124151.1/15

Left Out: 606.999 $\pm$ 0.303 χ^2 /NDF: 38832.2/2

Right Out: 1237.591 $\pm$ 0.331 χ^2 /NDF: 895314.3/18

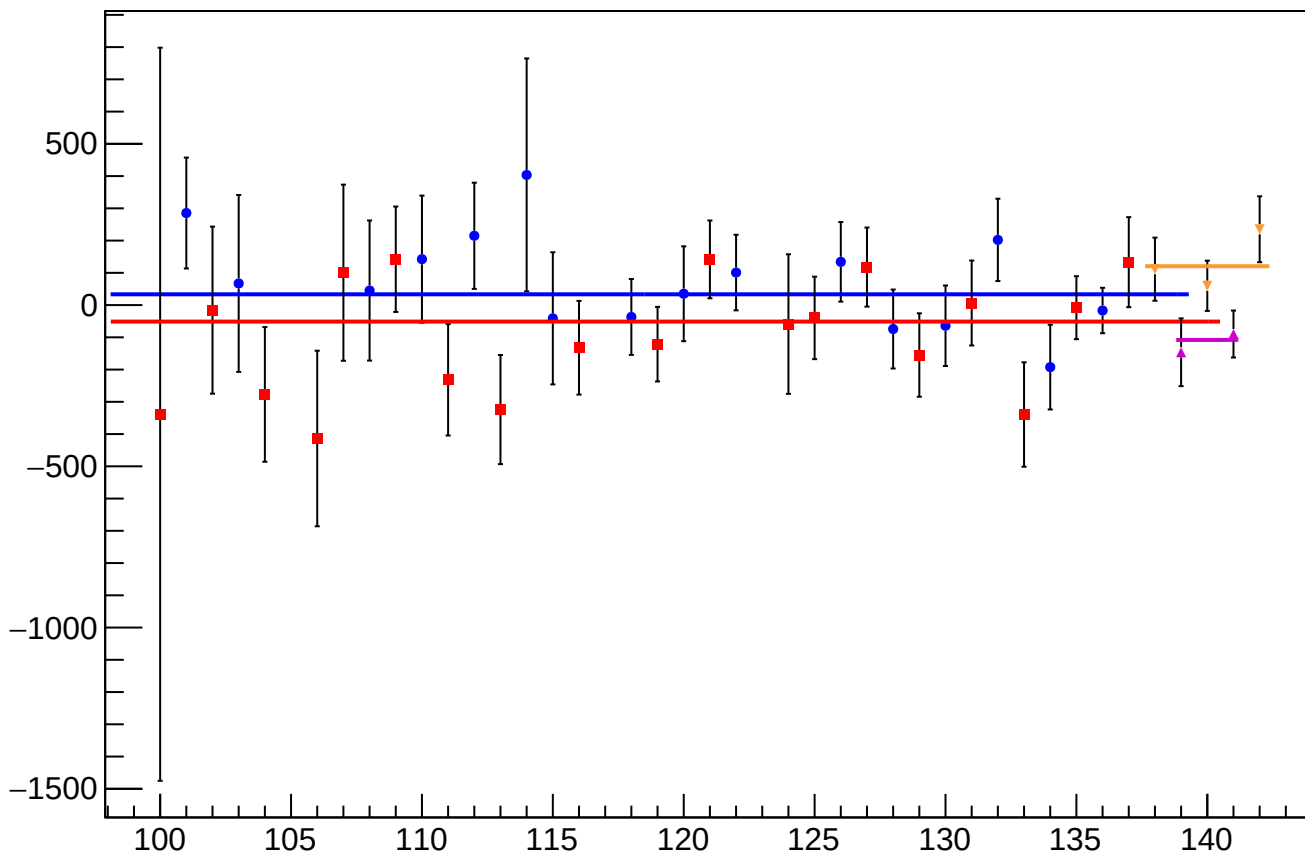
Left In: 643.133 $\pm$ 0.352 χ^2 /NDF: 100315.2/1

+ sign 862.637 $\pm$ 0.217 χ^2 /NDF: 2623607.2/18

All: 905.795 $\pm$ 0.161 χ^2 /NDF: 5220629.4/39

- sign 958.887 $\pm$ 0.241 χ^2 /NDF: 2509134.6/20

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422 $\pm$ 33.881 χ^2 /NDF: 12.8/15

Left Out: 120.526 $\pm$ 52.333 χ^2 /NDF: 1.9/2

Right Out: -51.188 $\pm$ 34.853 χ^2 /NDF: 19.5/18

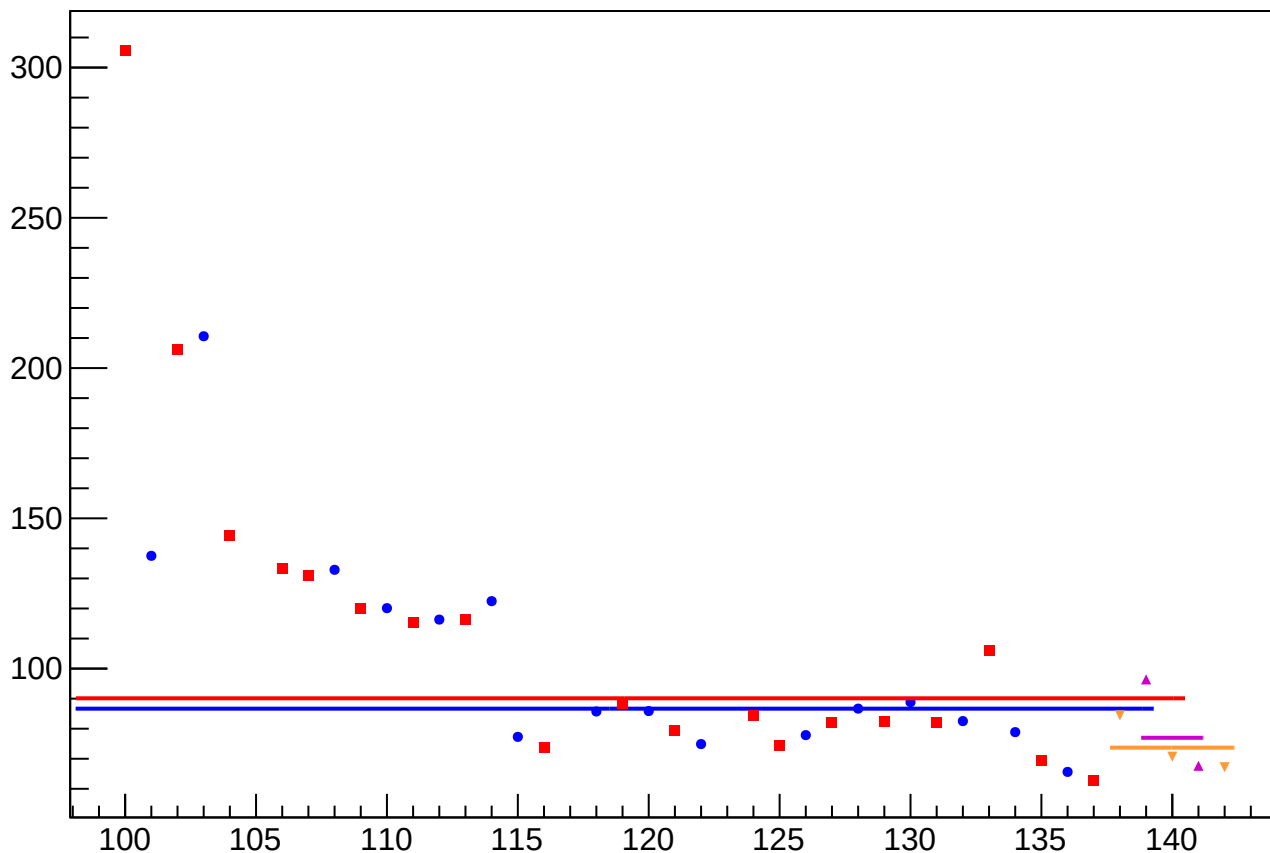
Left In: -108.042 $\pm$ 59.822 χ^2 /NDF: 0.2/1

+ sign 59.147 $\pm$ 28.441 χ^2 /NDF: 16.6/18

All: 0.339 $\pm$ 20.677 χ^2 /NDF: 46.1/39

- sign -65.596 $\pm$ 30.115 χ^2 /NDF: 20.4/20

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666 ± 0.024 $\chi^2/\text{NDF}: 1038816.2/15$

Left Out: 73.697 ± 0.037 $\chi^2/\text{NDF}: 35305.7/2$

Right Out: 90.116 ± 0.025 $\chi^2/\text{NDF}: 1145283.2/18$

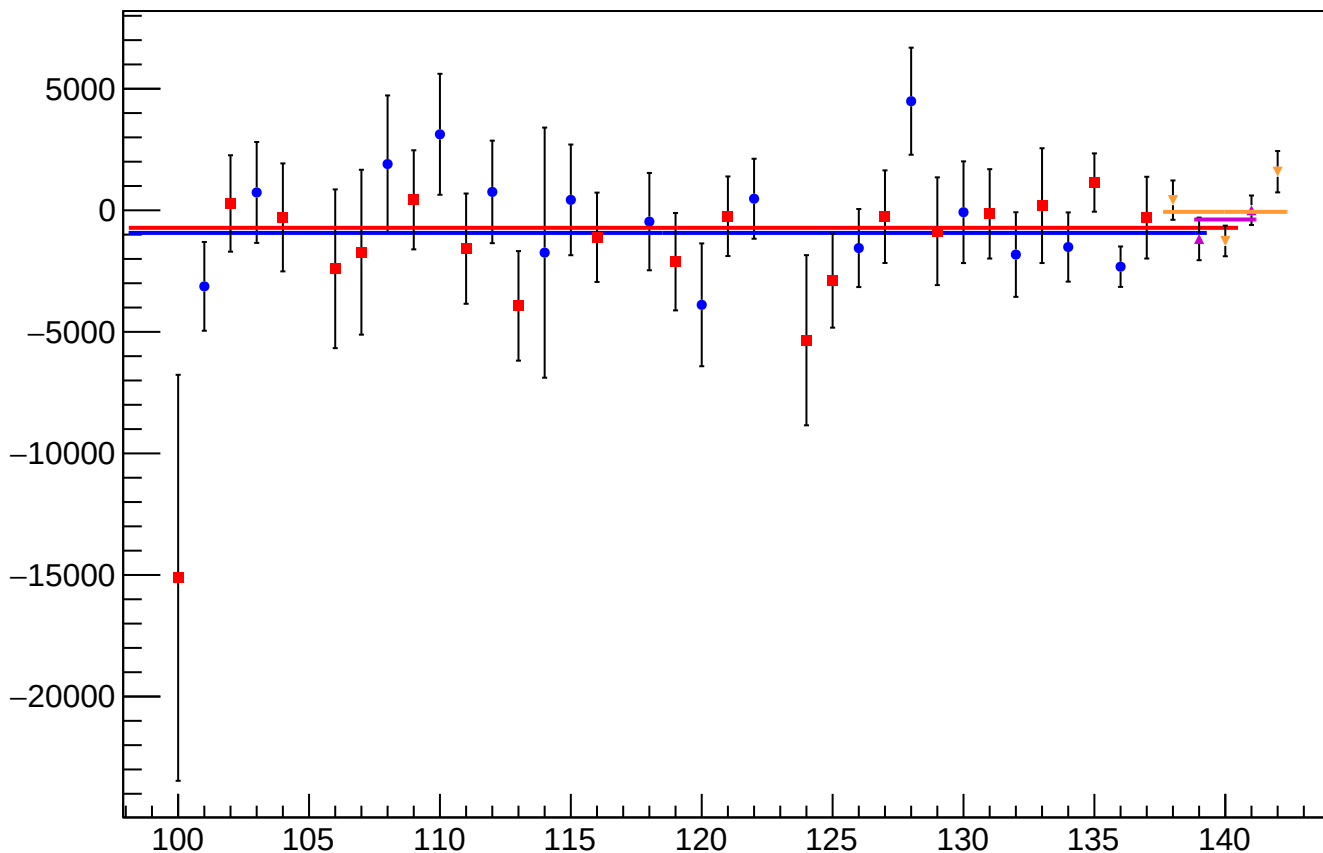
Left In: 76.979 ± 0.042 $\chi^2/\text{NDF}: 101183.8/1$

+ sign 82.836 ± 0.020 $\chi^2/\text{NDF}: 1160679.2/18$

All: 84.698 ± 0.015 $\chi^2/\text{NDF}: 2497350.0/39$

- sign 86.787 ± 0.021 $\chi^2/\text{NDF}: 1318474.6/20$

asym_sam_3726_avg_cor_correction_mean vs Slug



Right In: -929.788 ± 440.894 χ^2/NDF : 18.5/15

Left Out: -63.398 ± 428.966 χ^2/NDF : 7.7/2

Right Out: -720.600 ± 468.540 χ^2/NDF : 12.5/18

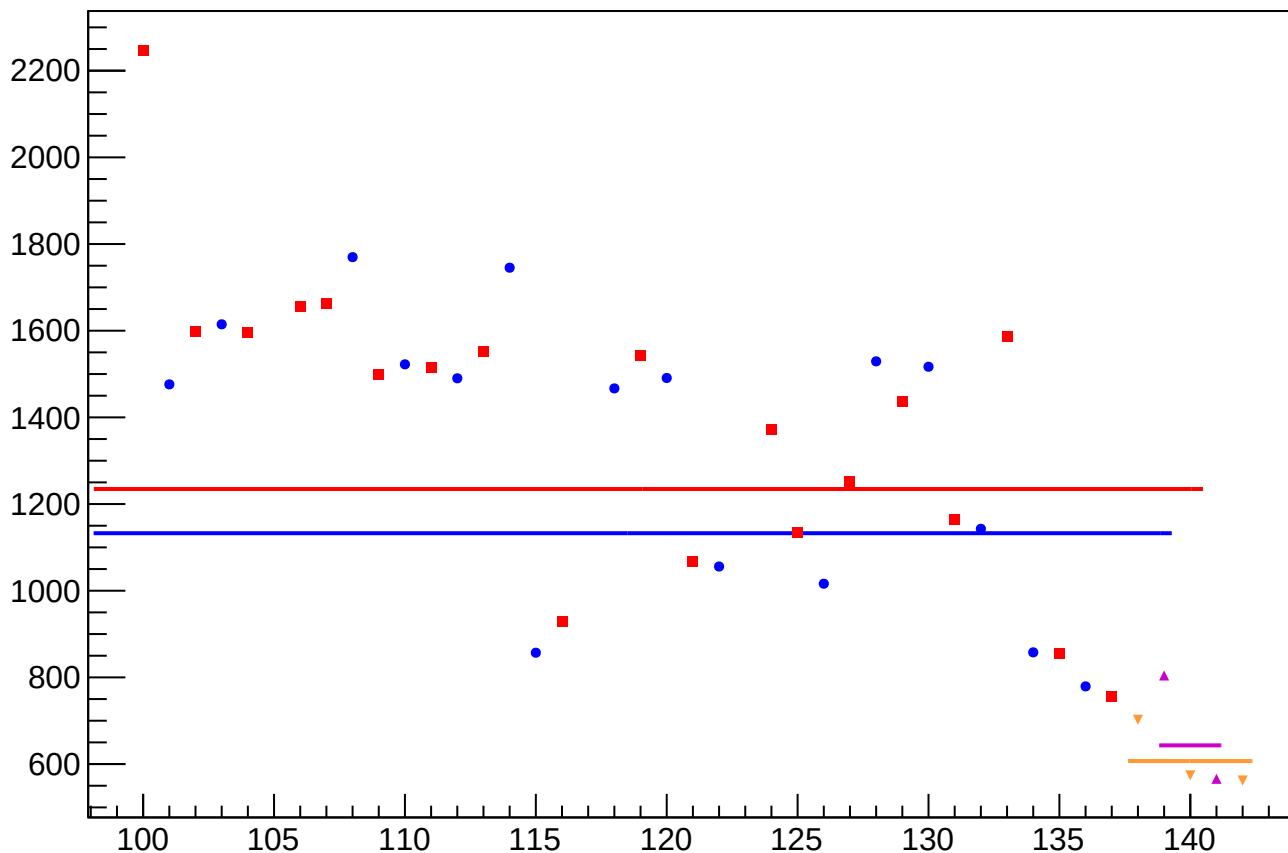
Left In: -378.677 ± 498.034 χ^2/NDF : 1.2/1

+ sign -484.714 ± 307.455 χ^2/NDF : 28.3/18

All: -518.473 ± 228.422 χ^2/NDF : 42.3/39

- sign -560.063 ± 341.259 χ^2/NDF : 14.0/20

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF : 1124187.2/15

Left Out: 606.998+/-0.303 χ^2/NDF : 38832.3/2

Right Out: 1234.709+/-0.331 χ^2/NDF : 876272.4/18

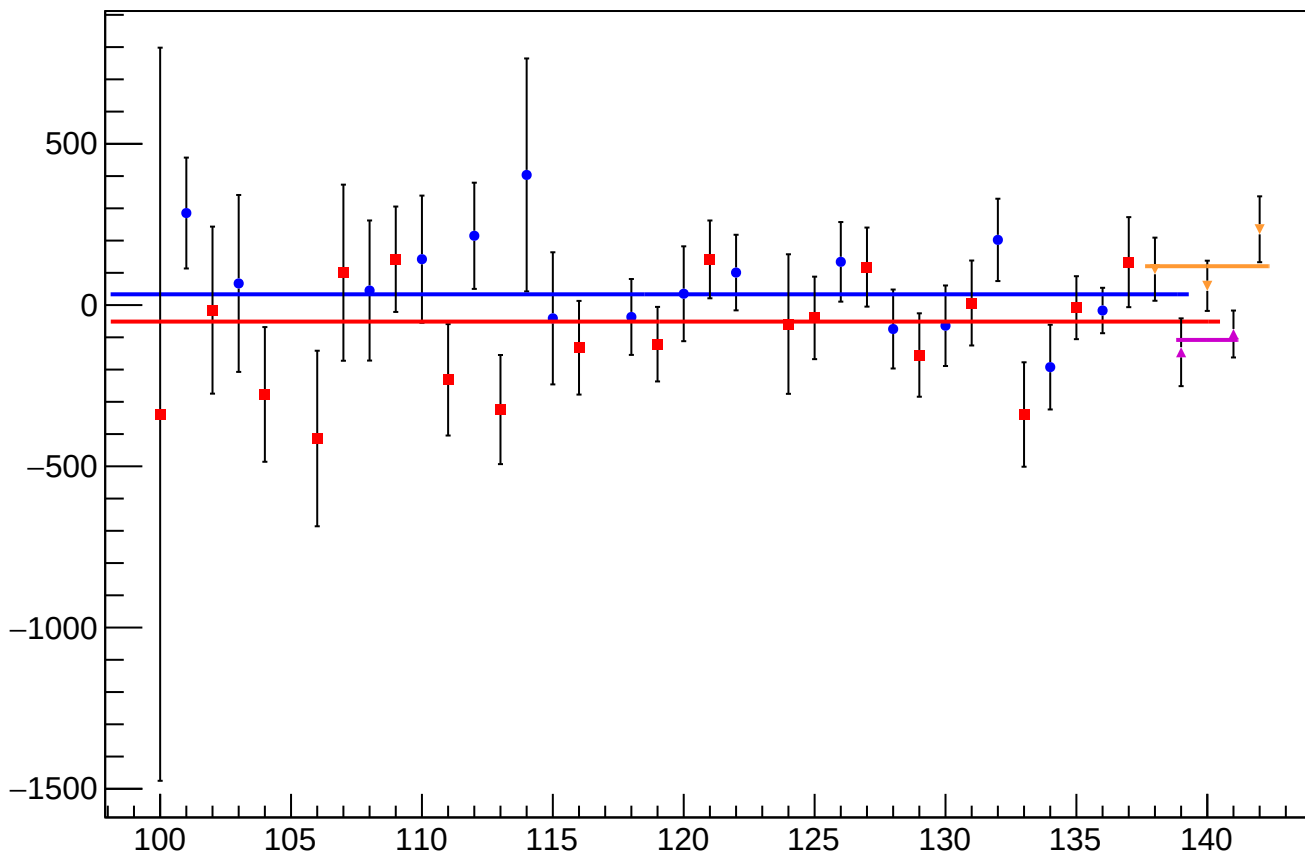
Left In: 643.133+/-0.352 χ^2/NDF : 100314.2/1

+ sign 862.636+/-0.217 χ^2/NDF : 2623651.4/18

All: 904.895+/-0.162 χ^2/NDF : 5181512.0/39

- sign 956.956+/-0.241 χ^2/NDF : 2473531.3/20

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422 ± 33.881 $\chi^2/\text{NDF}: 12.8/15$

Left Out: 120.526 ± 52.333 $\chi^2/\text{NDF}: 1.9/2$

Right Out: -51.188 ± 34.853 $\chi^2/\text{NDF}: 19.5/18$

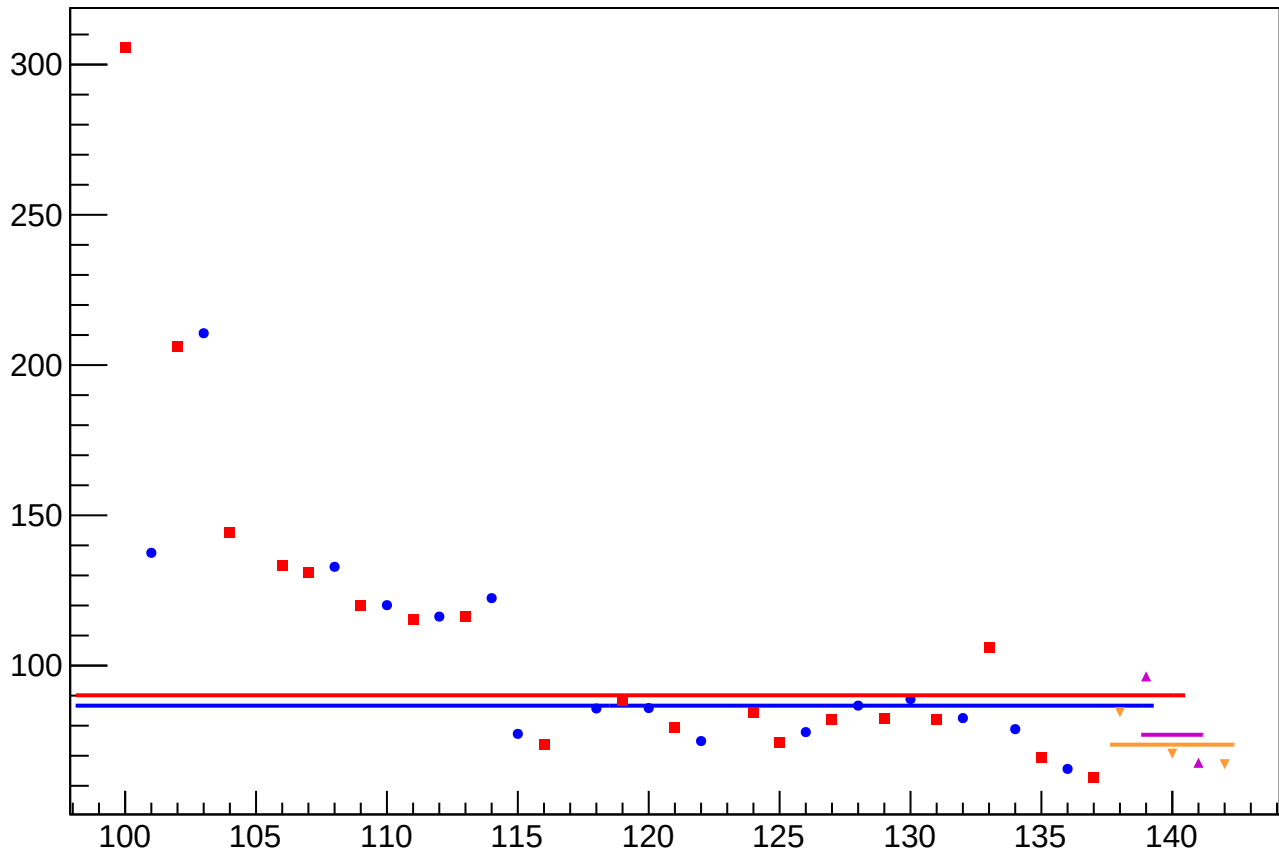
Left In: -108.042 ± 59.822 $\chi^2/\text{NDF}: 0.2/1$

+ sign 59.147 ± 28.441 $\chi^2/\text{NDF}: 16.6/18$

All: 0.339 ± 20.677 $\chi^2/\text{NDF}: 46.1/39$

- sign -65.596 ± 30.115 $\chi^2/\text{NDF}: 20.4/20$

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666 $\pm$ 0.024 χ^2 /NDF: 1038816.2/15

Left Out: 73.697 $\pm$ 0.037 χ^2 /NDF: 35305.7/2

Right Out: 90.116 $\pm$ 0.025 χ^2 /NDF: 1145283.2/18

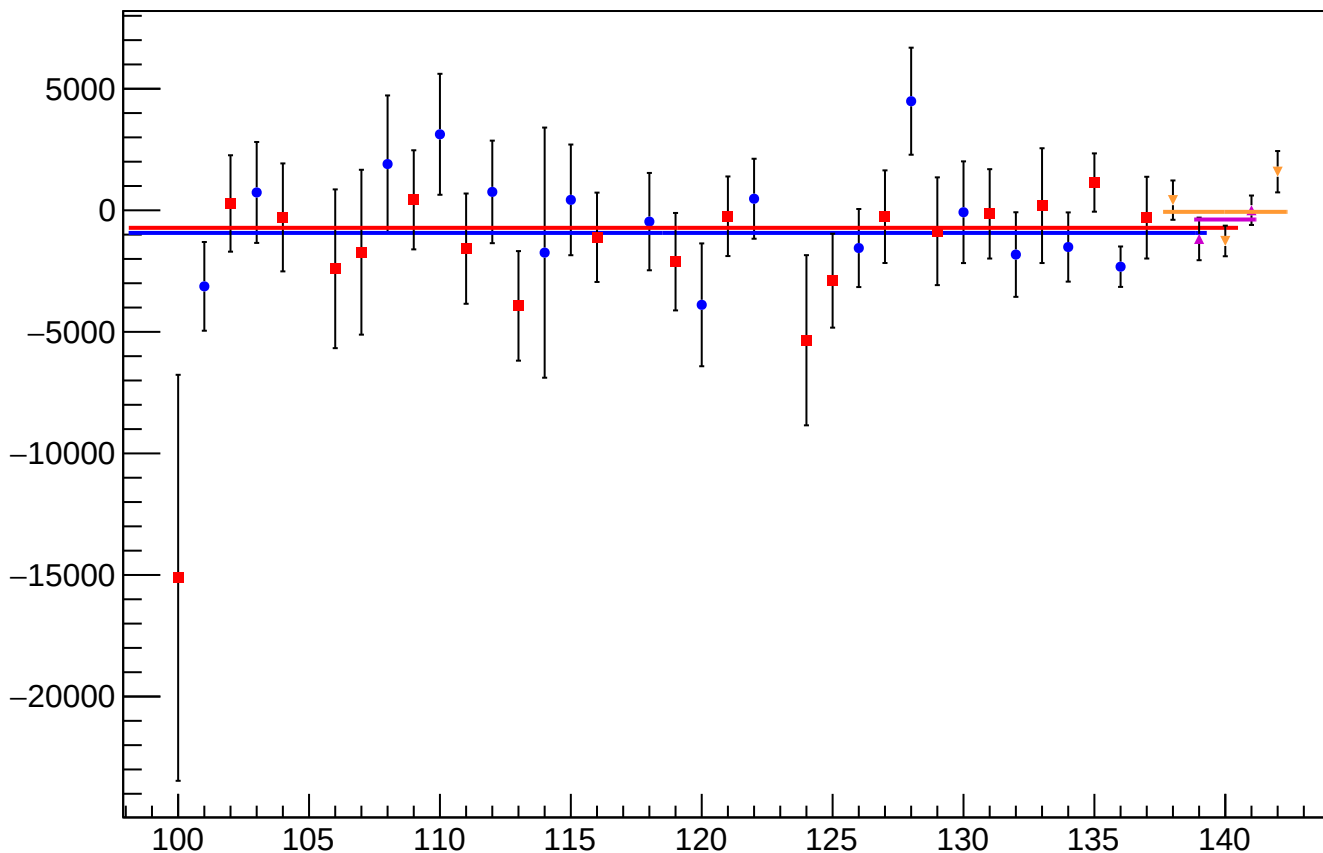
Left In: 76.979 $\pm$ 0.042 χ^2 /NDF: 101183.8/1

+ sign 82.836 $\pm$ 0.020 χ^2 /NDF: 1160679.2/18

All: 84.698 $\pm$ 0.015 χ^2 /NDF: 2497350.0/39

- sign 86.787 $\pm$ 0.021 χ^2 /NDF: 1318474.6/20

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug



Right In: -929.788+/-440.894 χ^2 /NDF: 18.5/15

Left Out: -63.398+/-428.966 χ^2 /NDF: 7.7/2

Right Out: -720.600+/-468.540 χ^2 /NDF: 12.5/18

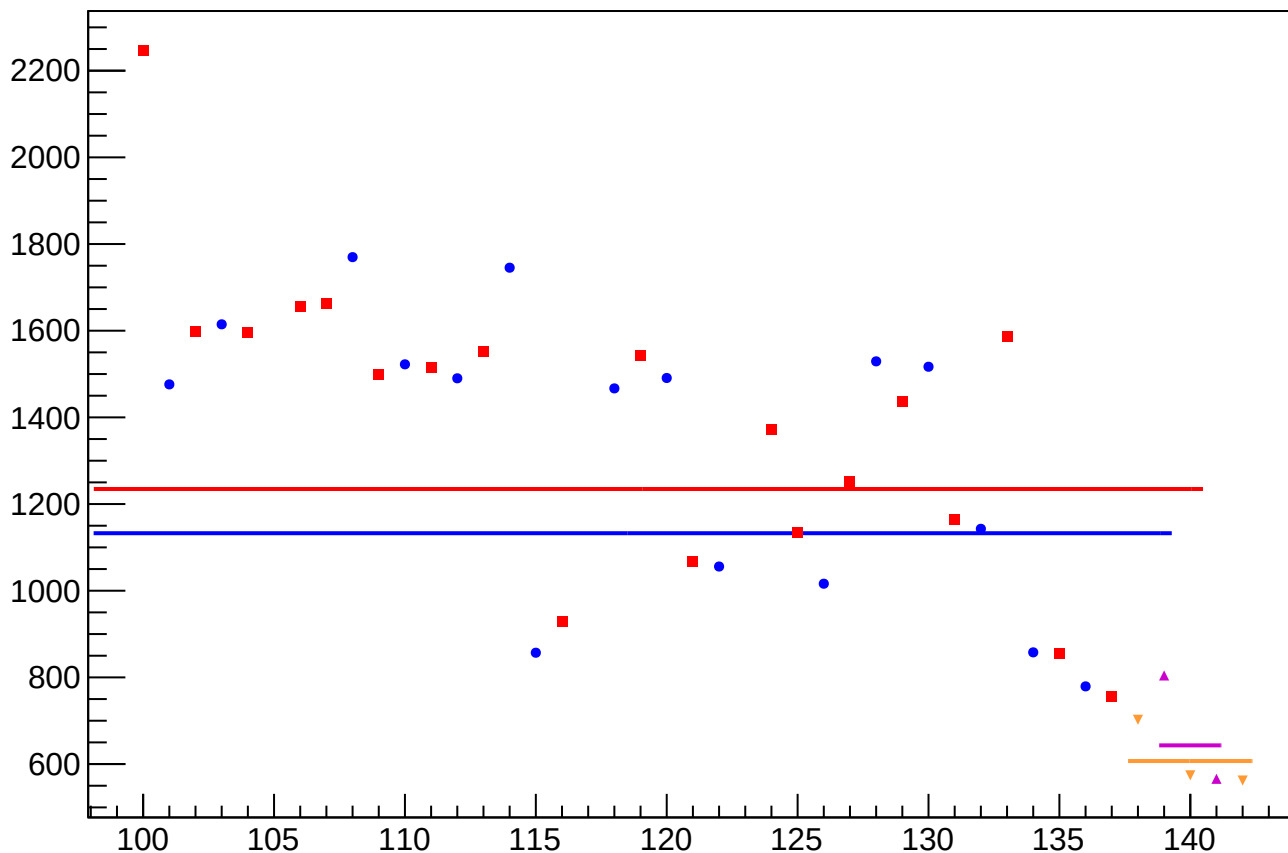
Left In: -378.677+/-498.034 χ^2 /NDF: 1.2/1

+ sign -484.714+/-307.455 χ^2 /NDF: 28.3/18

All: -518.473+/-228.422 χ^2 /NDF: 42.3/39

- sign -560.063+/-341.259 χ^2 /NDF: 14.0/20

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF : 1124187.2/15

Left Out: 606.998+/-0.303 χ^2/NDF : 38832.3/2

Right Out: 1234.709+/-0.331 χ^2/NDF : 876272.4/18

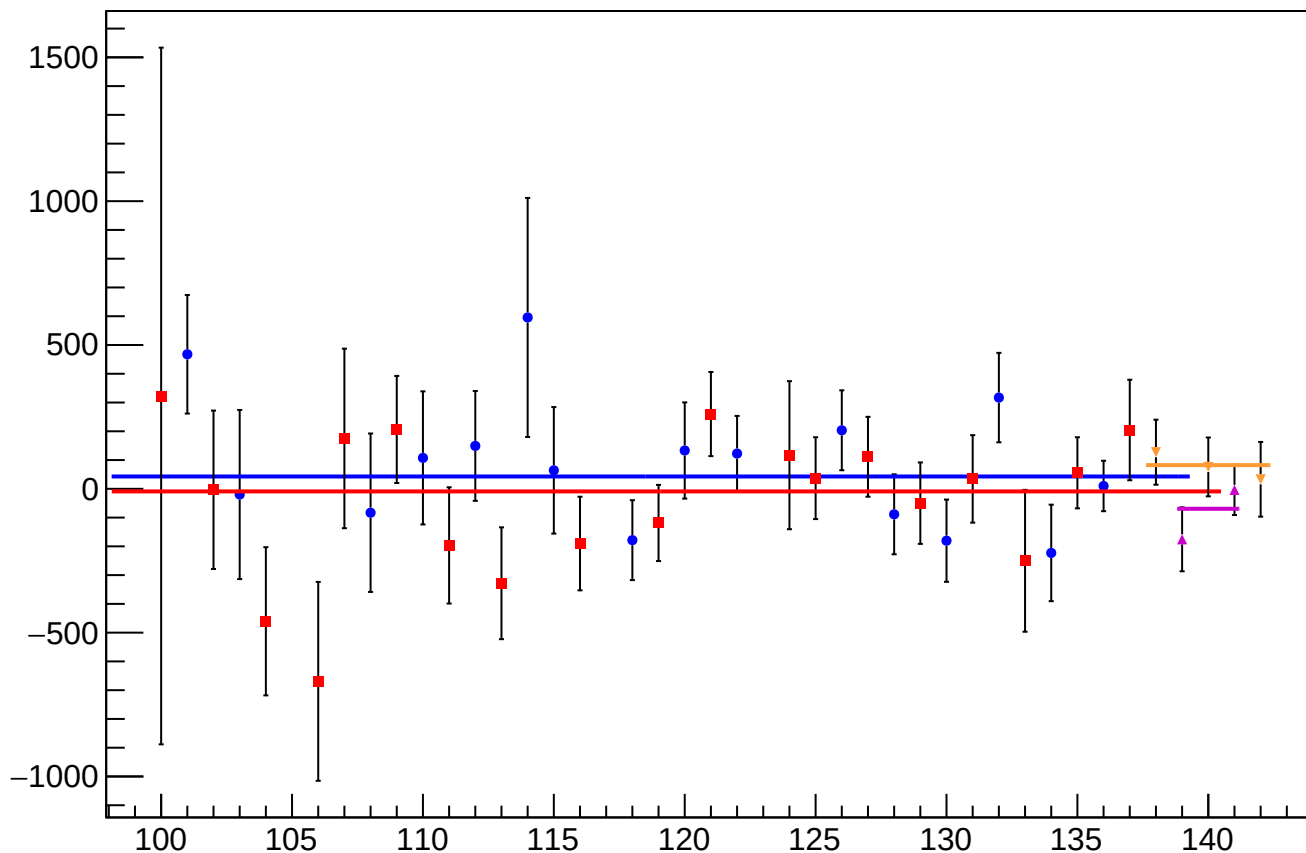
Left In: 643.133+/-0.352 χ^2/NDF : 100314.2/1

+ sign 862.636+/-0.217 χ^2/NDF : 2623651.4/18

All: 904.895+/-0.162 χ^2/NDF : 5181512.0/39

- sign 956.956+/-0.241 χ^2/NDF : 2473531.3/20

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914 $\pm$ 39.948 χ^2/NDF : 20.3/15

Left Out: 82.400 $\pm$ 65.471 χ^2/NDF : 0.3/2

Right Out: -8.989 $\pm$ 41.060 χ^2/NDF : 21.3/18

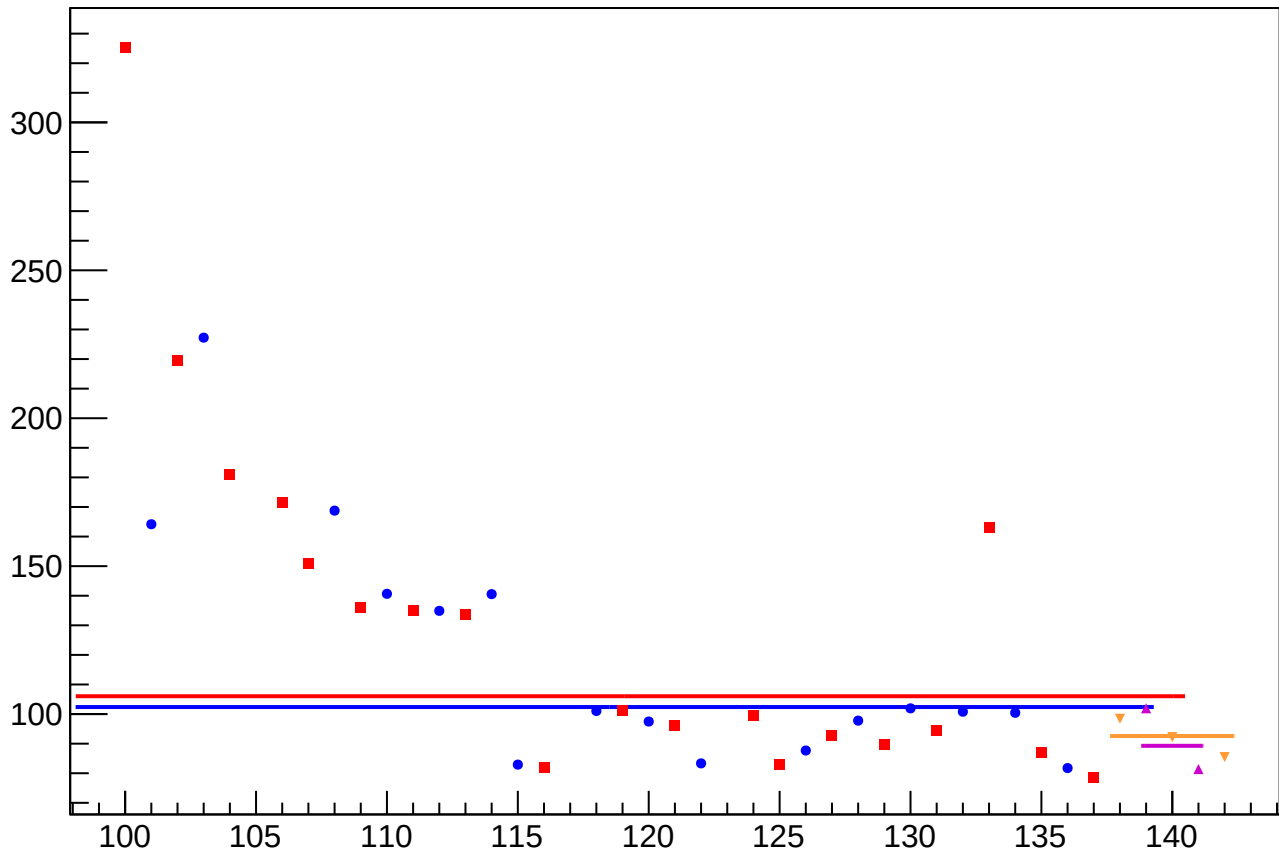
Left In: -69.390 $\pm$ 68.733 χ^2/NDF : 1.5/1

+ sign 53.627 $\pm$ 34.101 χ^2/NDF : 20.9/18

All: 15.675 $\pm$ 24.509 χ^2/NDF : 46.8/39

- sign -24.875 $\pm$ 35.249 χ^2/NDF : 23.4/20

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF : 982311.5/15

Left Out: 92.577+/-0.046 χ^2/NDF :11351.0/2

Right Out: 106.032+/-0.029 χ^2/NDF : 1191294.0/18

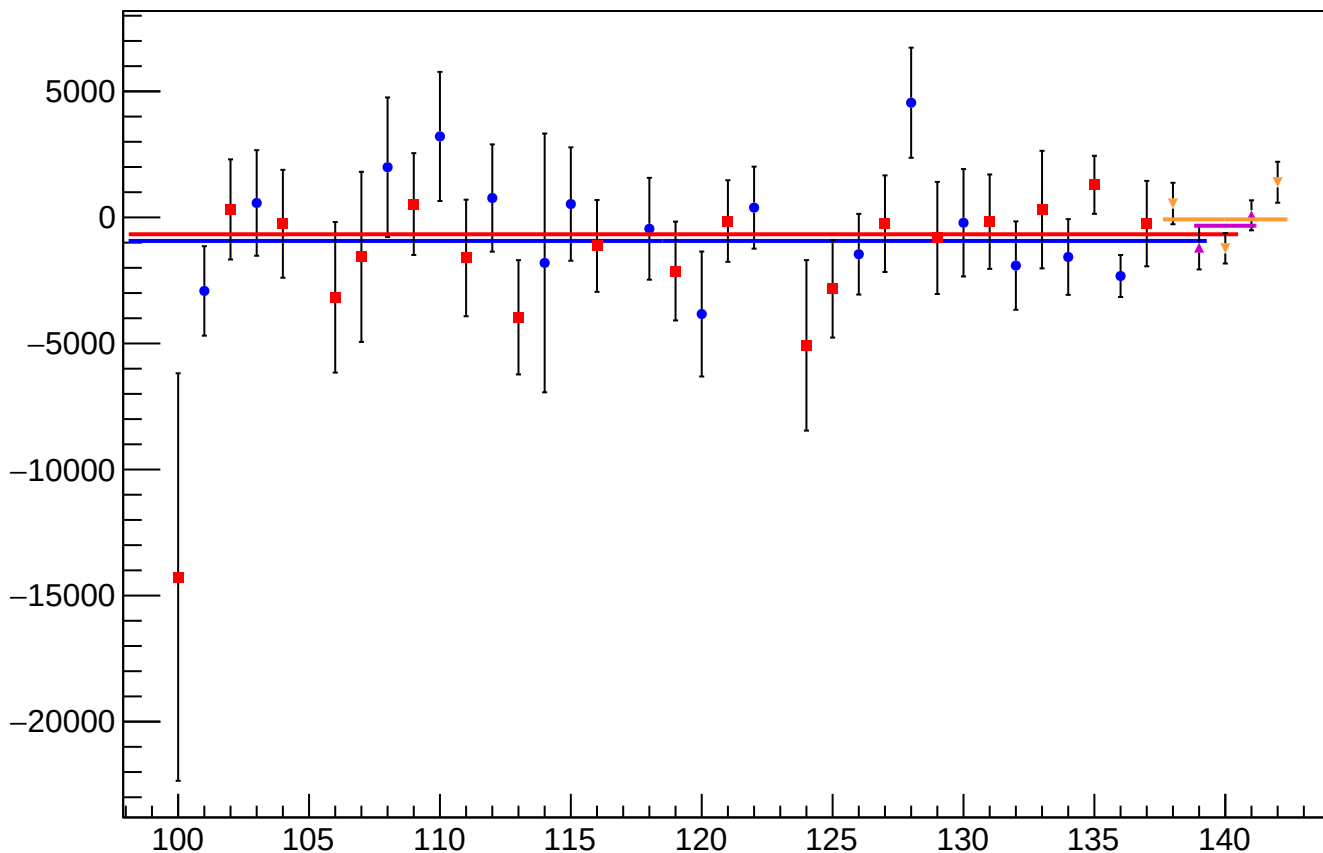
Left In: 89.271+/-0.049 χ^2/NDF :42155.3/1

+ sign 99.719+/-0.024 χ^2/NDF : 1026326.7/18

All: 100.640+/-0.017 χ^2/NDF : 2350446.2/39

- sign 101.624+/-0.025 χ^2/NDF : 1321102.5/20

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -932.381 $\pm$ 442.724 χ^2 /NDF: 18.5/15

Left Out: -76.836 $\pm$ 417.412 χ^2 /NDF: 7.5/2

Right Out: -668.521 $\pm$ 463.213 χ^2 /NDF: 13.5/18

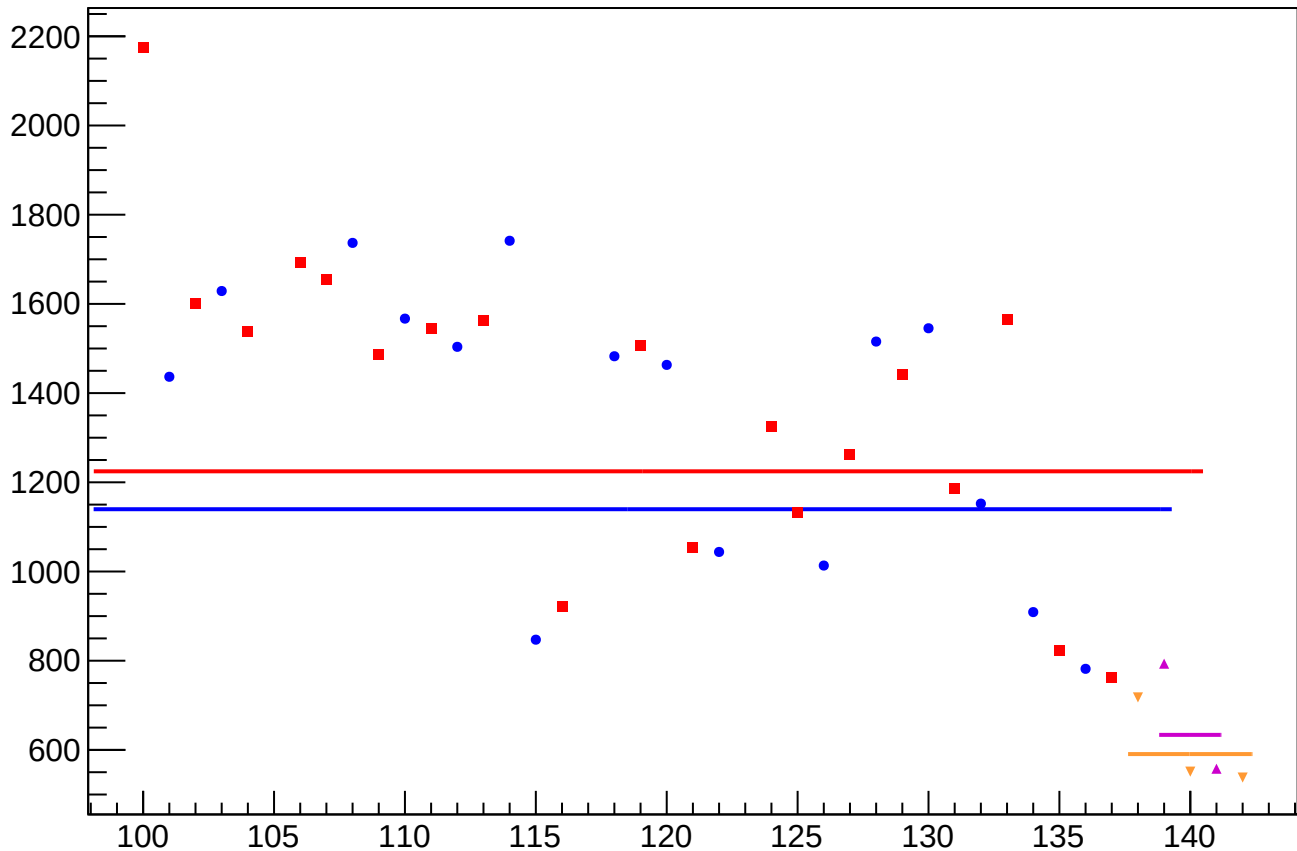
Left In: -329.991 $\pm$ 490.452 χ^2 /NDF: 1.5/1

+ sign -479.452 $\pm$ 303.709 χ^2 /NDF: 27.9/18

All: -492.669 $\pm$ 225.537 χ^2 /NDF: 43.2/39

- sign -508.918 $\pm$ 336.759 χ^2 /NDF: 15.2/20

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658 $\pm$ 0.313 χ^2 /NDF: 1093410.3/15

Left Out: 590.673 $\pm$ 0.295 χ^2 /NDF: 64626.4/2

Right Out: 1224.637 $\pm$ 0.328 χ^2 /NDF: 922388.4/18

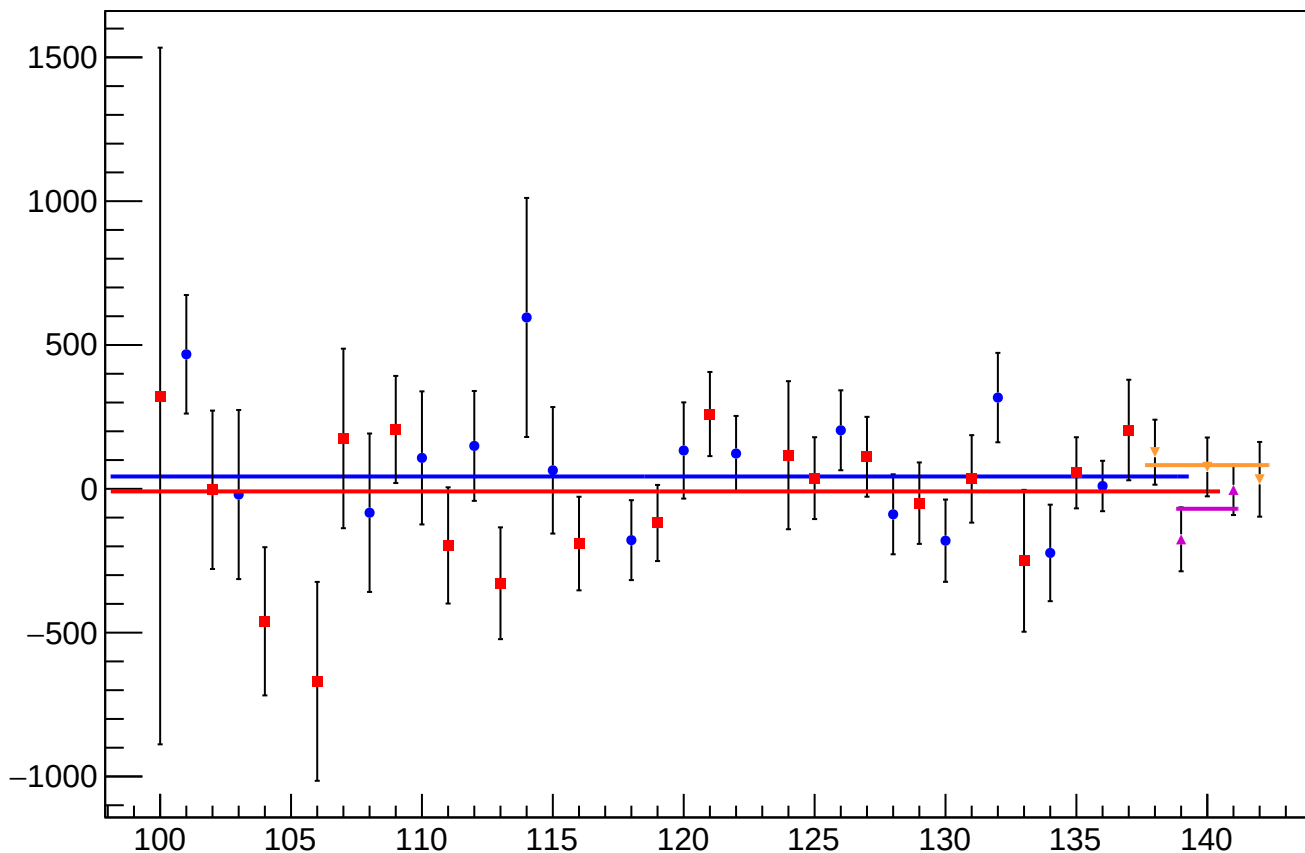
Left In: 633.724 $\pm$ 0.347 χ^2 /NDF: 100693.4/1

+ sign 849.023 $\pm$ 0.215 χ^2 /NDF: 2786095.8/18

All: 892.541 $\pm$ 0.159 χ^2 /NDF: 5435204.7/39

- sign 946.045 $\pm$ 0.238 χ^2 /NDF: 2557560.9/20

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914 $\pm$ 39.948 χ^2 /NDF: 20.3/15

Left Out: 82.398 $\pm$ 65.471 χ^2 /NDF: 0.3/2

Right Out: -8.986 $\pm$ 41.060 χ^2 /NDF: 21.3/18

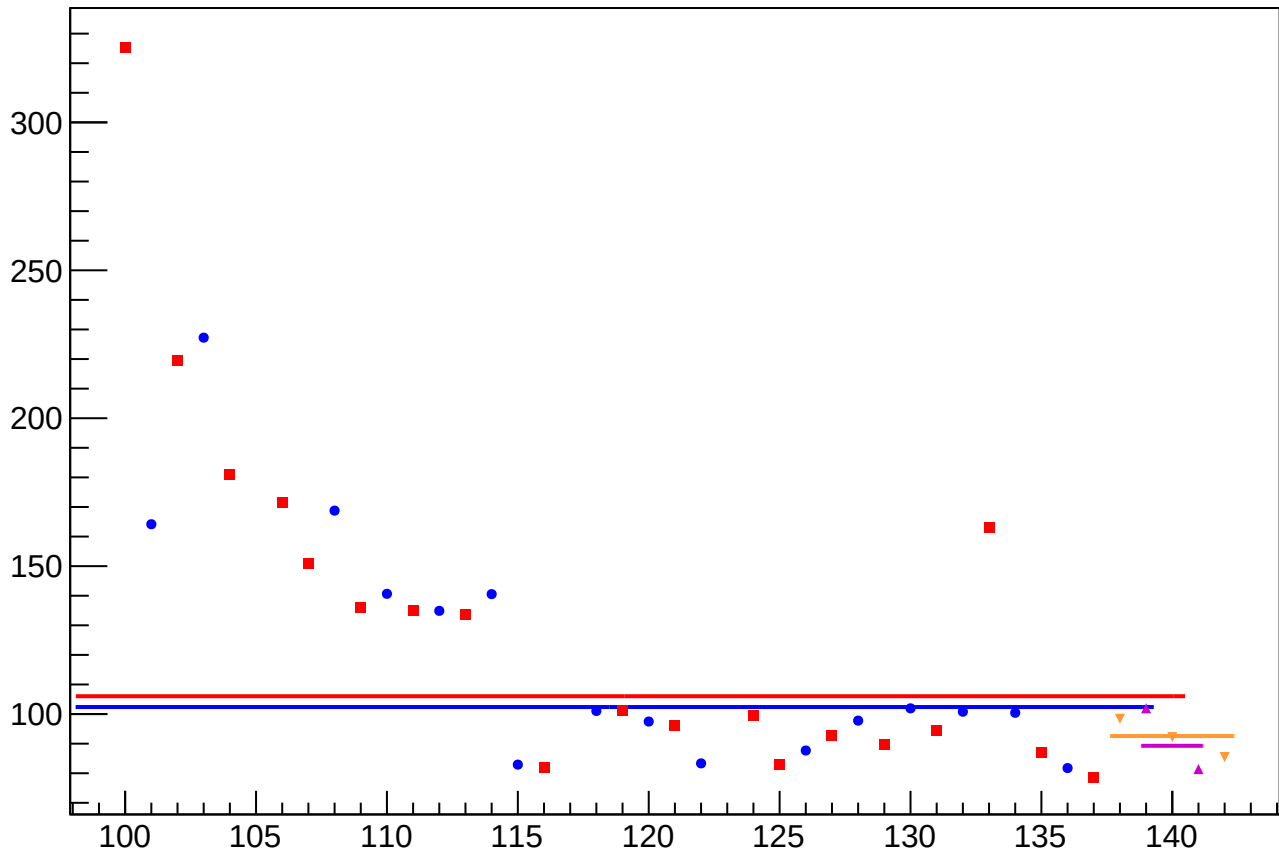
Left In: -69.391 $\pm$ 68.733 χ^2 /NDF: 1.5/1

+ sign 53.626 $\pm$ 34.101 χ^2 /NDF: 20.9/18

All: 15.676 $\pm$ 24.509 χ^2 /NDF: 46.8/39

- sign -24.873 $\pm$ 35.249 χ^2 /NDF: 23.4/20

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF : 982307.0/15

Left Out: 92.577+/-0.046 χ^2/NDF :11350.9/2

Right Out: 106.032+/-0.029 χ^2/NDF : 1191296.9/18

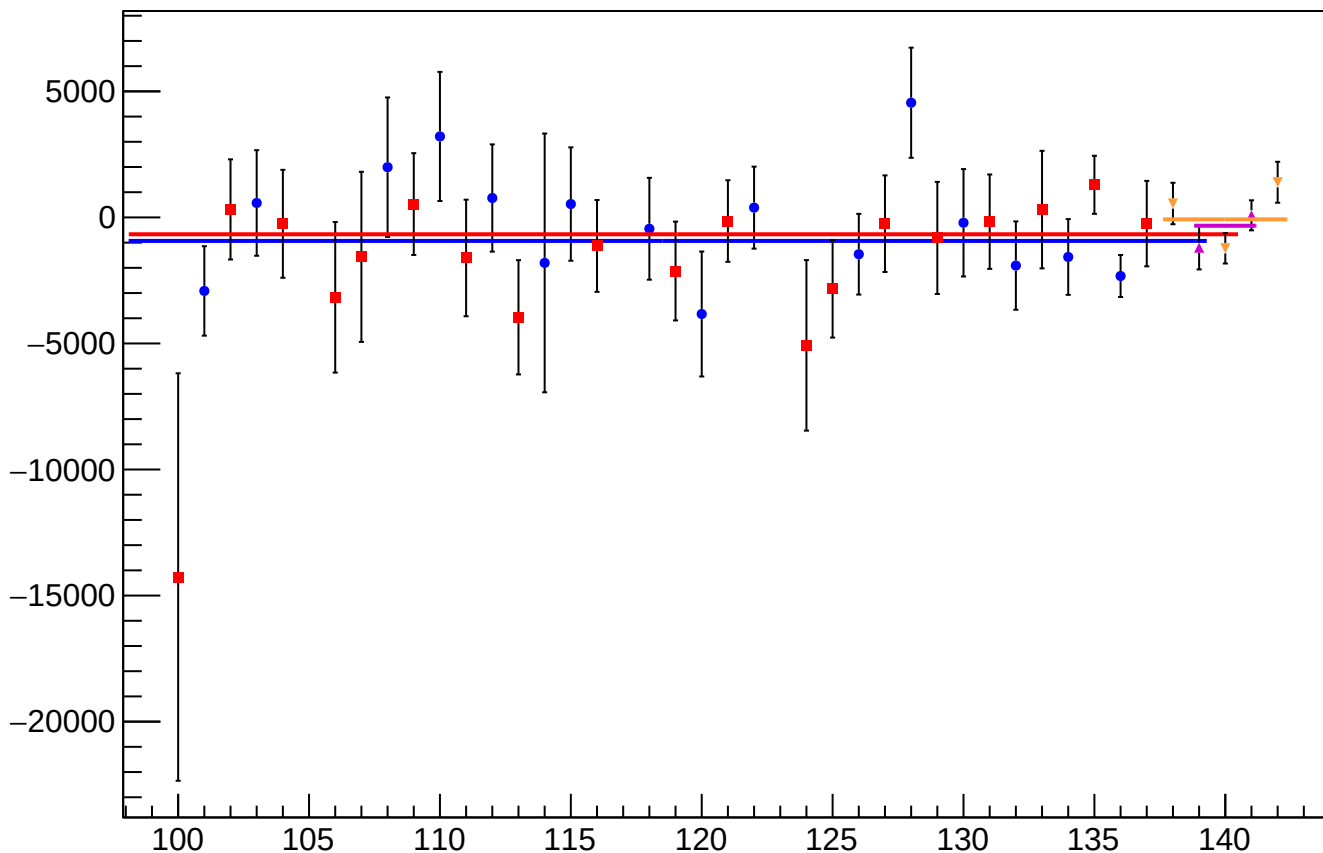
Left In: 89.272+/-0.049 χ^2/NDF :42154.7/1

+ sign 99.719+/-0.024 χ^2/NDF : 1026321.0/18

All: 100.640+/-0.017 χ^2/NDF : 2350439.1/39

- sign 101.624+/-0.025 χ^2/NDF : 1321100.4/20

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug



Right In: -932.377 ± 442.724 χ^2/NDF : 18.5/15

Left Out: -76.838 ± 417.412 χ^2/NDF : 7.5/2

Right Out: -668.522 ± 463.212 χ^2/NDF : 13.5/18

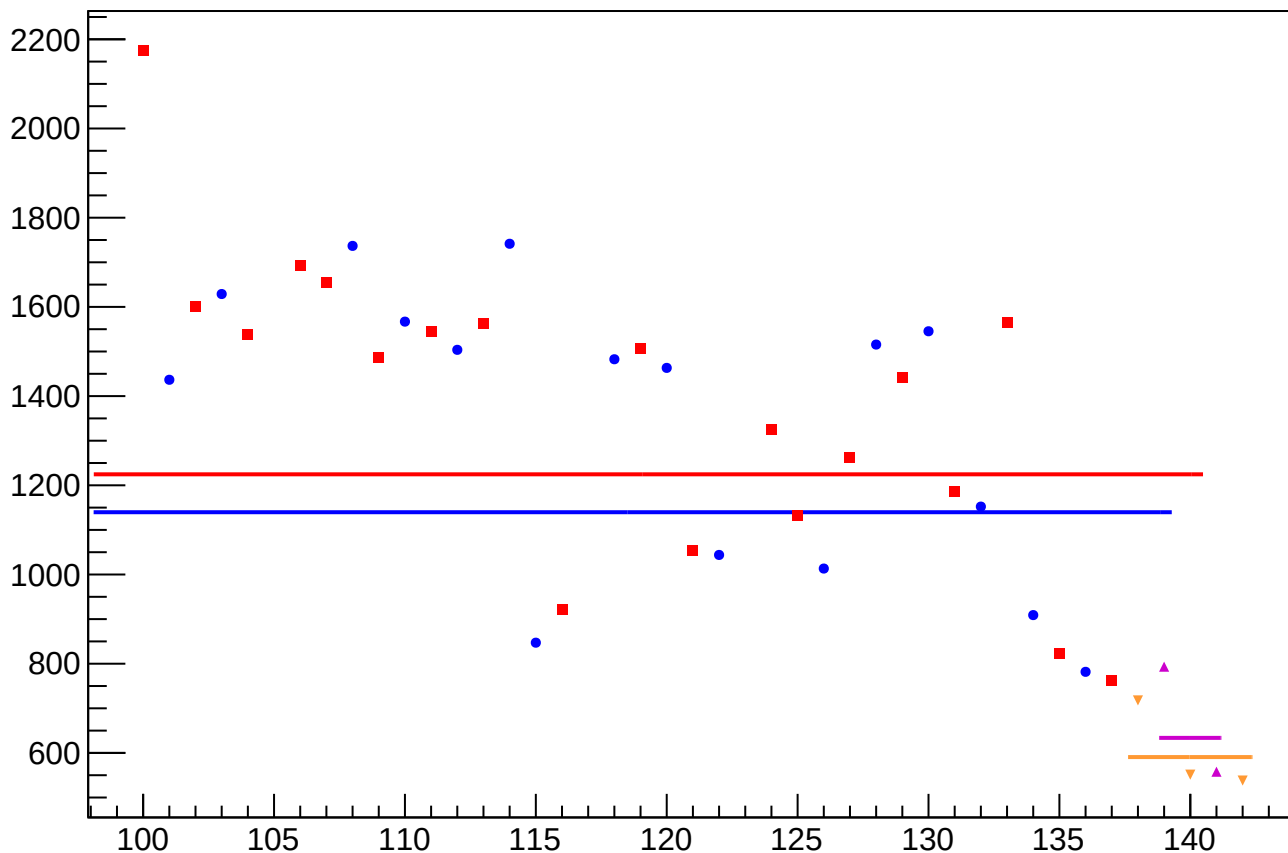
Left In: -329.993 ± 490.452 χ^2/NDF : 1.5/1

+ sign -479.452 ± 303.709 χ^2/NDF : 27.9/18

All: -492.669 ± 225.536 χ^2/NDF : 43.2/39

- sign -508.919 ± 336.759 χ^2/NDF : 15.2/20

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF : 1093397.5/15

Left Out: 590.673+/-0.295 χ^2/NDF : 64624.9/2

Right Out: 1224.635+/-0.328 χ^2/NDF : 922378.0/18

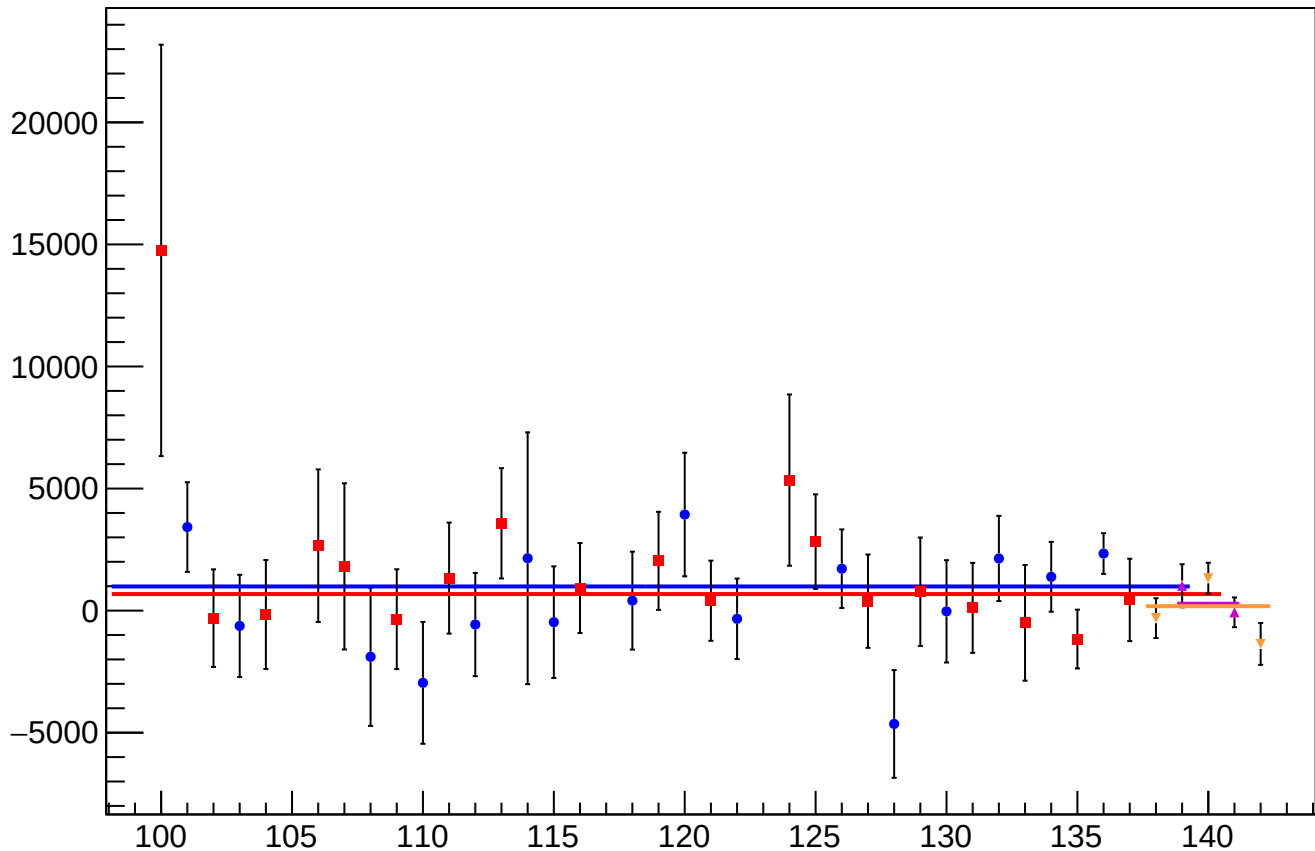
Left In: 633.724+/-0.347 χ^2/NDF : 100691.8/1

+ sign 849.023+/-0.215 χ^2/NDF : 2786075.9/18

All: 892.540+/-0.159 χ^2/NDF : 5435168.0/39

- sign 946.044+/-0.238 χ^2/NDF : 2557545.2/20

asym_sam_3726_avg_mean vs Slug



Right In: 989.322 $\pm$ 442.634 χ^2 /NDF: 19.0/15

Left Out: 181.770 $\pm$ 432.200 χ^2 /NDF: 6.9/2

Right Out: 677.628 $\pm$ 469.652 χ^2 /NDF: 11.9/18

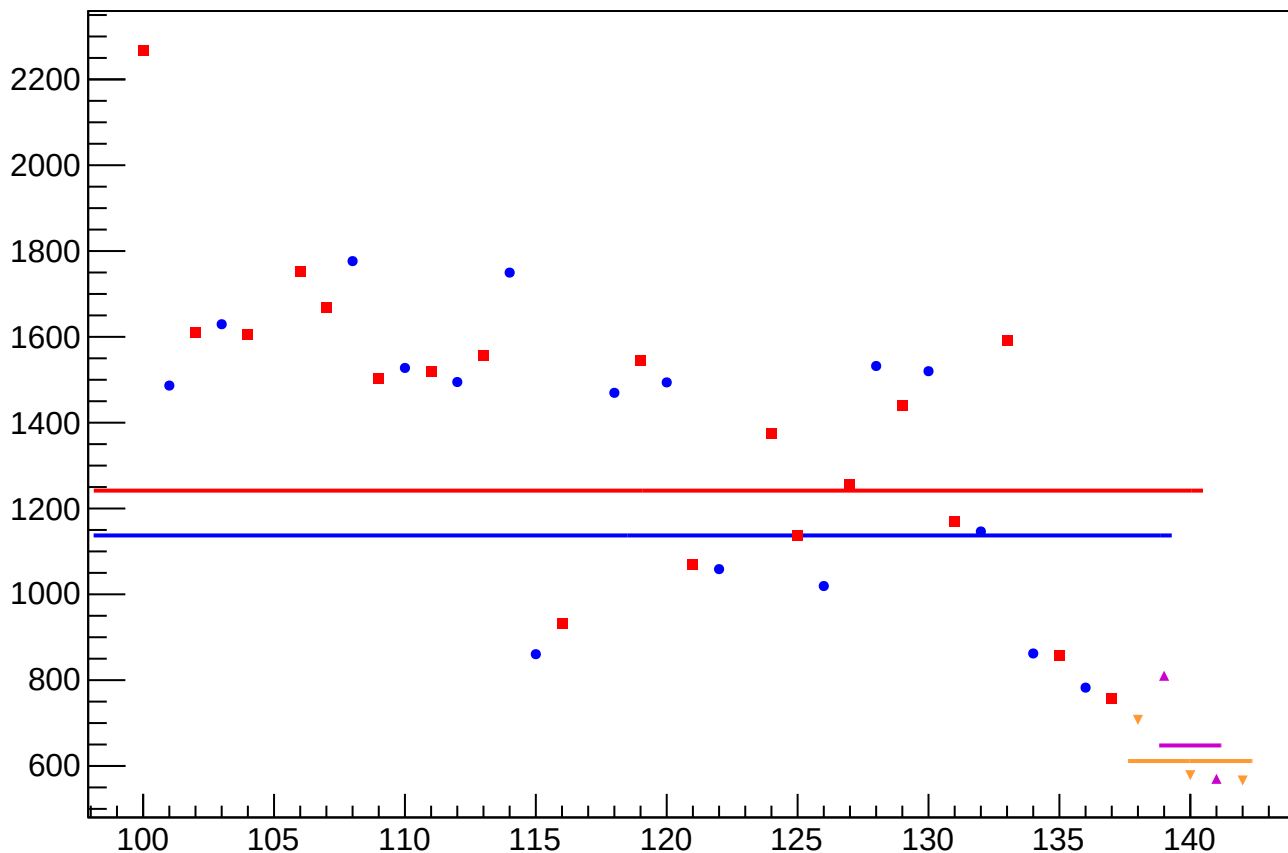
Left In: 282.033 $\pm$ 501.670 χ^2 /NDF: 1.0/1

+ sign 575.915 $\pm$ 309.234 χ^2 /NDF: 27.6/18

All: 538.657 $\pm$ 229.631 χ^2 /NDF: 40.9/39

- sign 492.857 $\pm$ 342.855 χ^2 /NDF: 13.3/20

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF : 1123685.6/15

Left Out: 611.545+/-0.306 χ^2/NDF : 38769.9/2

Right Out: 1241.709+/-0.332 χ^2/NDF : 899417.9/18

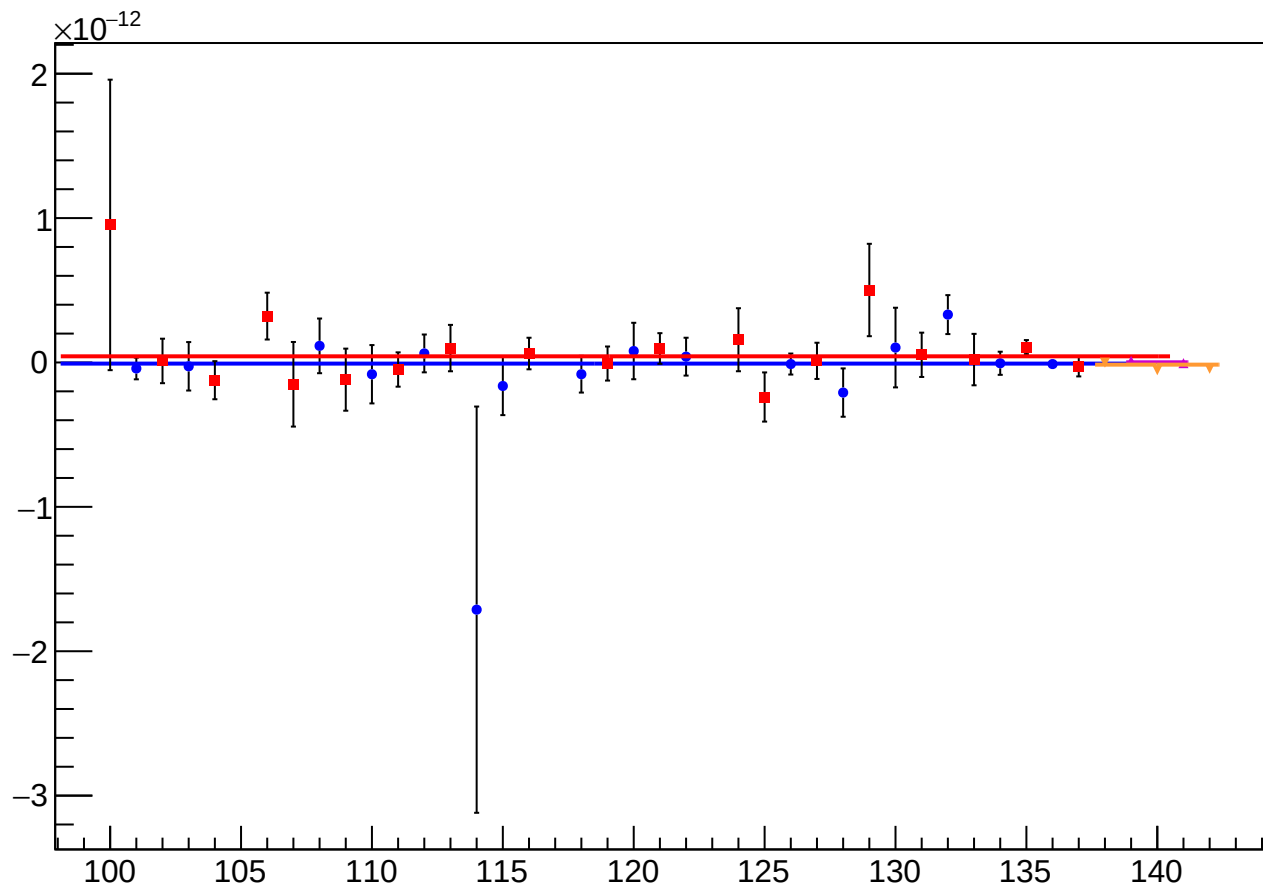
Left In: 647.816+/-0.355 χ^2/NDF : 100265.5/1

+ sign 868.113+/-0.219 χ^2/NDF : 2606503.7/18

All: 911.269+/-0.162 χ^2/NDF : 5186773.4/39

- sign 964.318+/-0.242 χ^2/NDF : 2493435.5/20

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 : 7.5/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.5/18

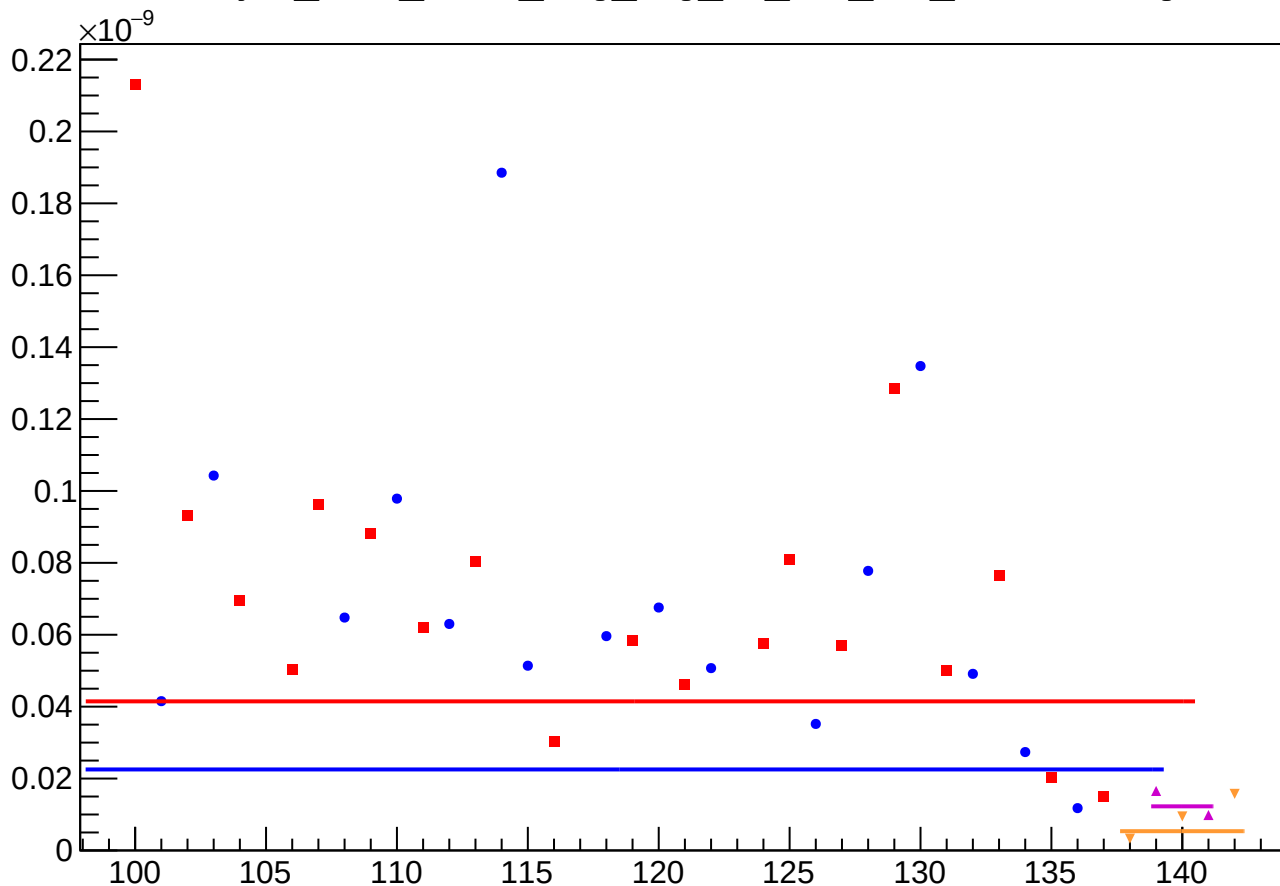
Left In: 0.000 ± 0.000 χ^2/NDF : 0.2/1

+ sign -0.000 ± 0.000 χ^2/NDF : 19.3/18

All: -0.000 ± 0.000 χ^2/NDF : 39.5/39

- sign 0.000 ± 0.000 χ^2/NDF : 17.5/20

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 : 376779.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1847735.6/18

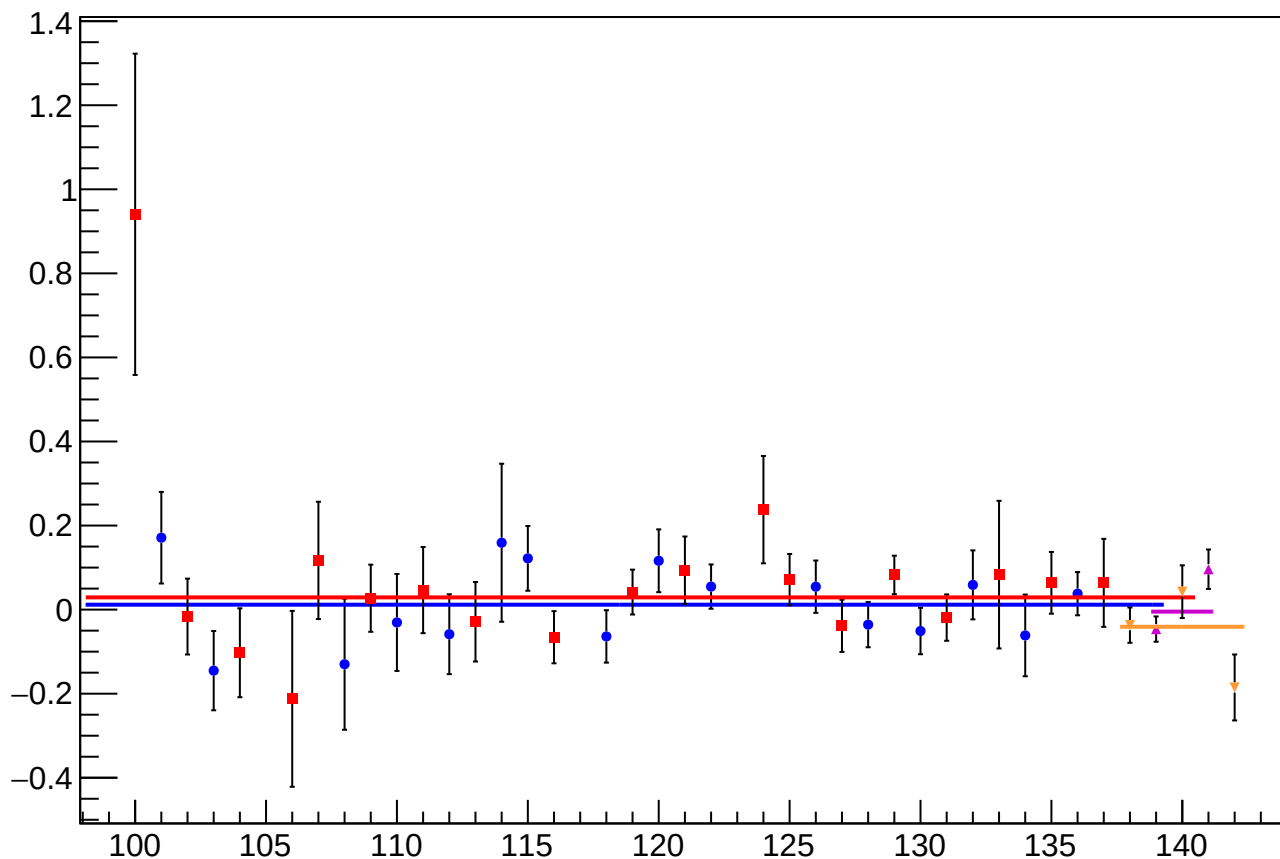
Left In: 0.000+/-0.000 χ^2/NDF : 79975.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 4821287.8/18

All: 0.000+/-0.000 χ^2/NDF : 9502580.9/39

- sign 0.000+/-0.000 χ^2/NDF : 3648145.9/20

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 $\pm$ 0.018 χ^2 /NDF: 16.9/15

Left Out: -0.041 $\pm$ 0.032 χ^2 /NDF: 5.2/2

Right Out: 0.029 $\pm$ 0.018 χ^2 /NDF: 19.5/18

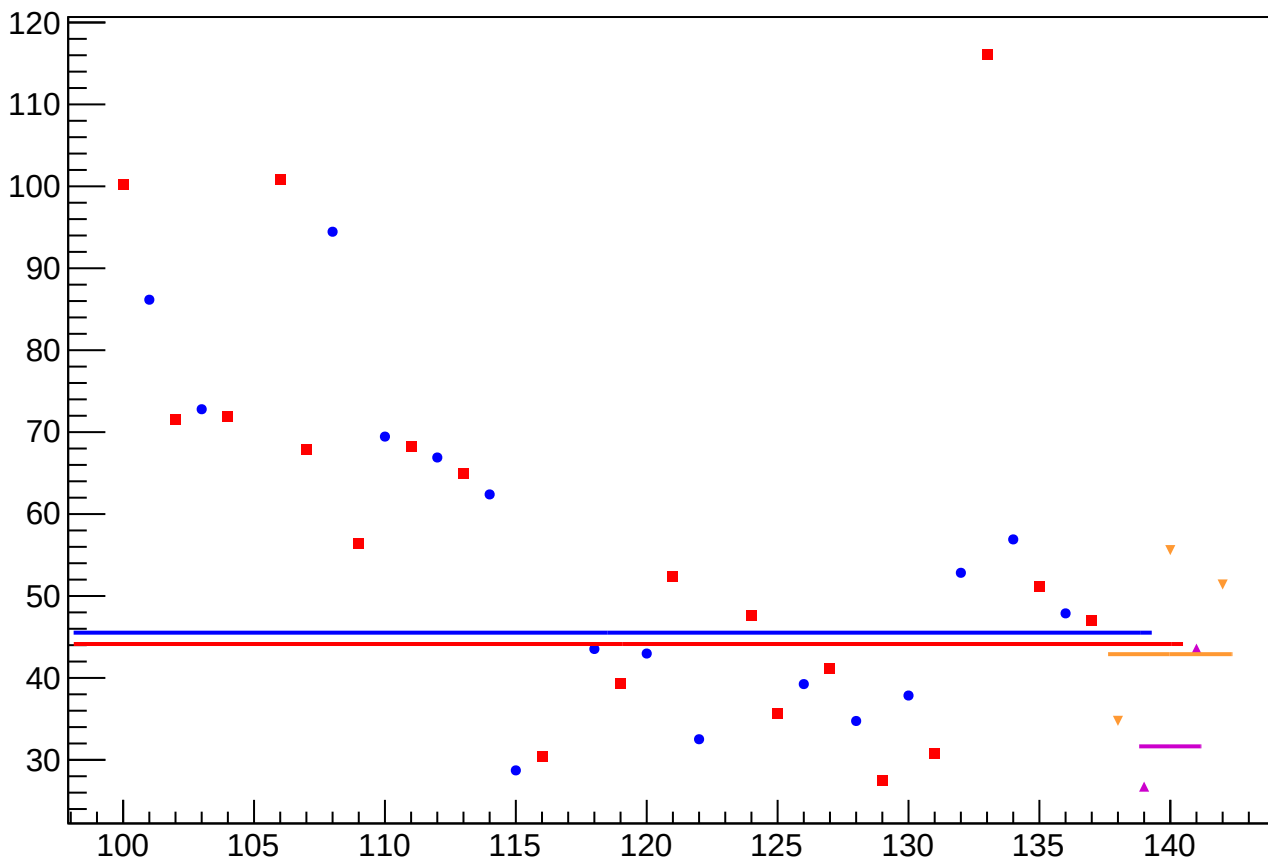
Left In: -0.005 $\pm$ 0.025 χ^2 /NDF: 6.5/1

+ sign -0.001 $\pm$ 0.016 χ^2 /NDF: 24.1/18

All: 0.009 $\pm$ 0.011 χ^2 /NDF: 52.1/39

- sign 0.018 $\pm$ 0.015 χ^2 /NDF: 27.3/20

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2 /NDF: 1253967.4/15

Left Out: 42.902+/-0.023 χ^2 /NDF:180435.9/2

Right Out: 44.141+/-0.013 χ^2 /NDF: 1743430.9/18

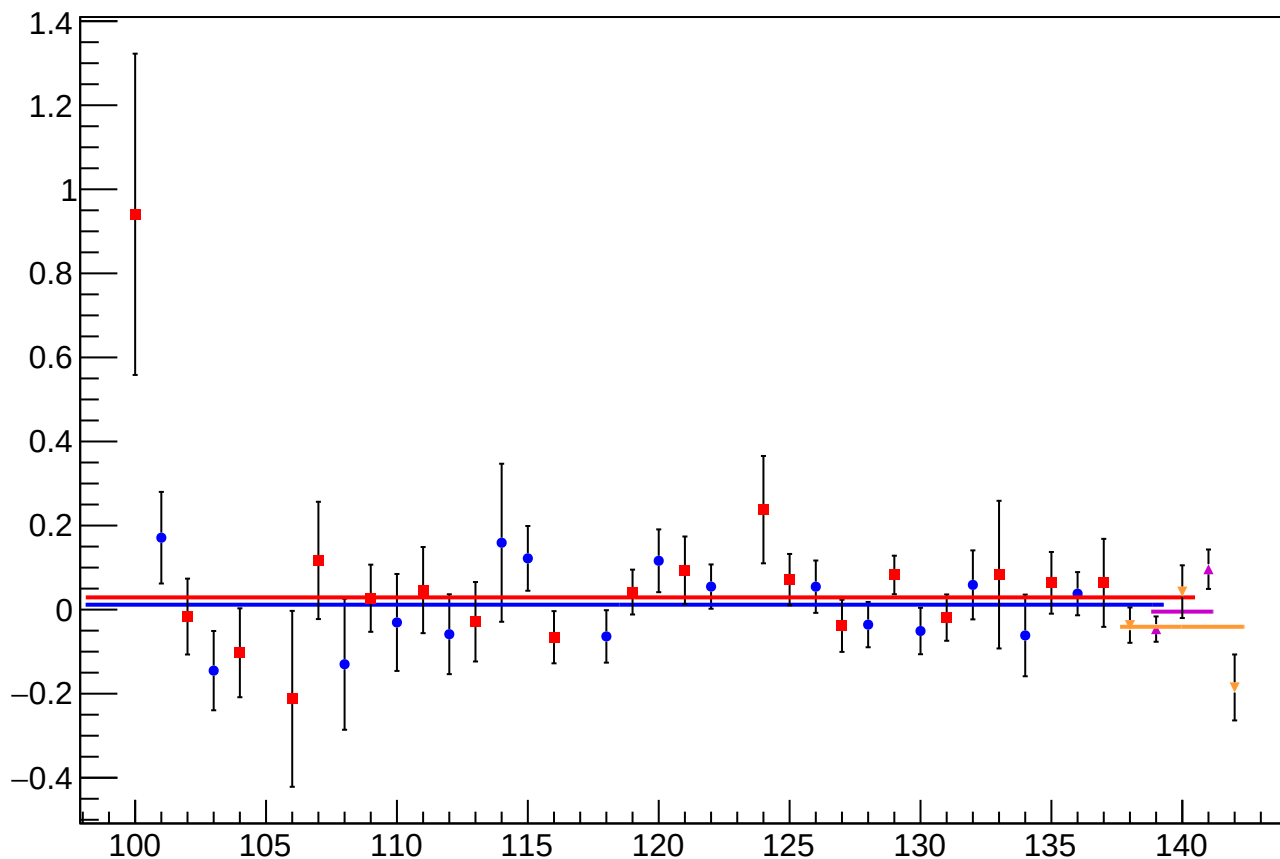
Left In: 31.649+/-0.018 χ^2 /NDF:182608.8/1

+ sign 44.874+/-0.011 χ^2 /NDF: 1444573.1/18

All: 42.227+/-0.008 χ^2 /NDF: 3797550.0/39

- sign 39.988+/-0.010 χ^2 /NDF: 2250479.6/20

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 $\pm$ 0.018 χ^2 /NDF: 16.9/15

Left Out: -0.041 $\pm$ 0.032 χ^2 /NDF: 5.2/2

Right Out: 0.029 $\pm$ 0.018 χ^2 /NDF: 19.5/18

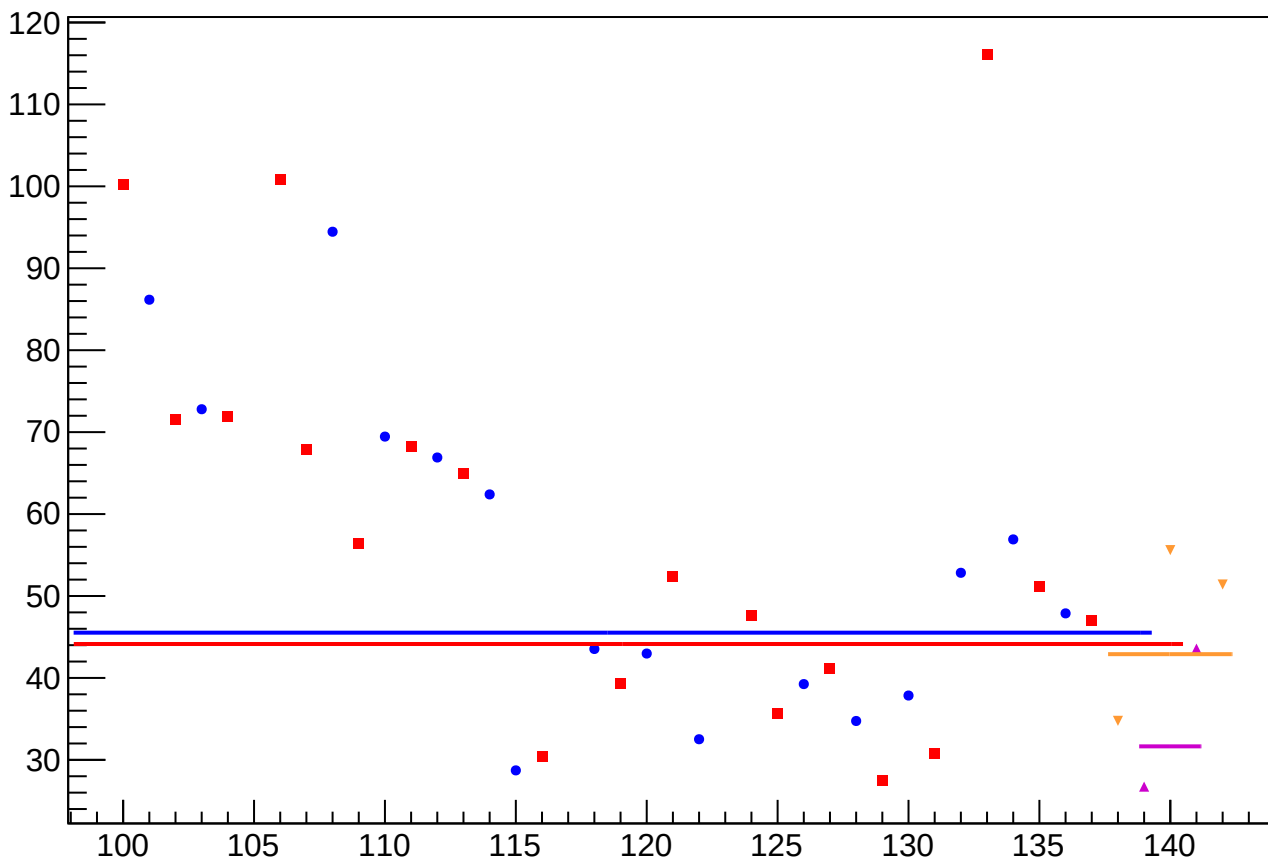
Left In: -0.005 $\pm$ 0.025 χ^2 /NDF: 6.5/1

+ sign -0.001 $\pm$ 0.016 χ^2 /NDF: 24.1/18

All: 0.009 $\pm$ 0.011 χ^2 /NDF: 52.1/39

- sign 0.018 $\pm$ 0.015 χ^2 /NDF: 27.3/20

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2 /NDF: 1253967.4/15

Left Out: 42.902+/-0.023 χ^2 /NDF:180435.9/2

Right Out: 44.141+/-0.013 χ^2 /NDF: 1743430.9/18

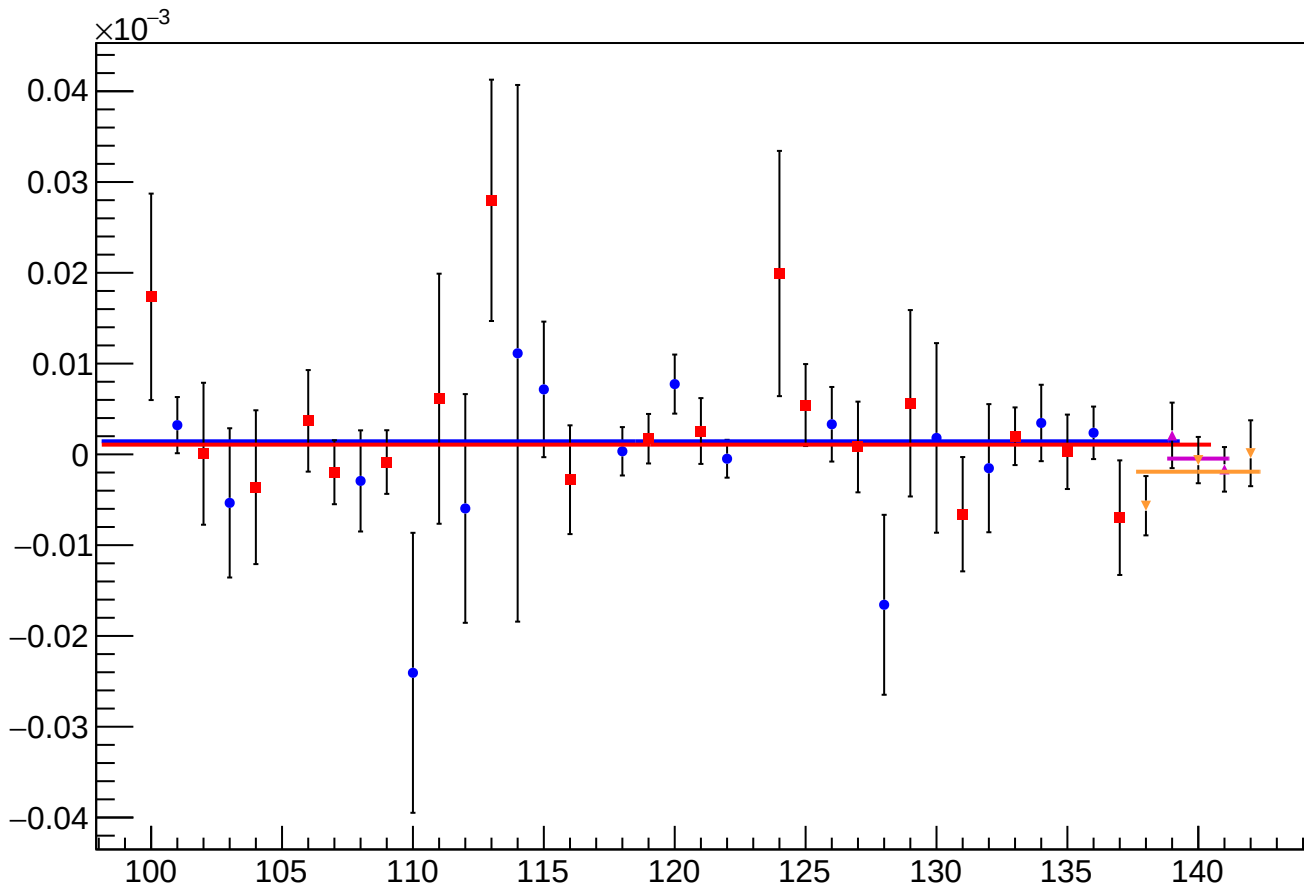
Left In: 31.649+/-0.018 χ^2 /NDF:182608.8/1

+ sign 44.874+/-0.011 χ^2 /NDF: 1444573.1/18

All: 42.227+/-0.008 χ^2 /NDF: 3797550.0/39

- sign 39.988+/-0.010 χ^2 /NDF: 2250479.6/20

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:1.9/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

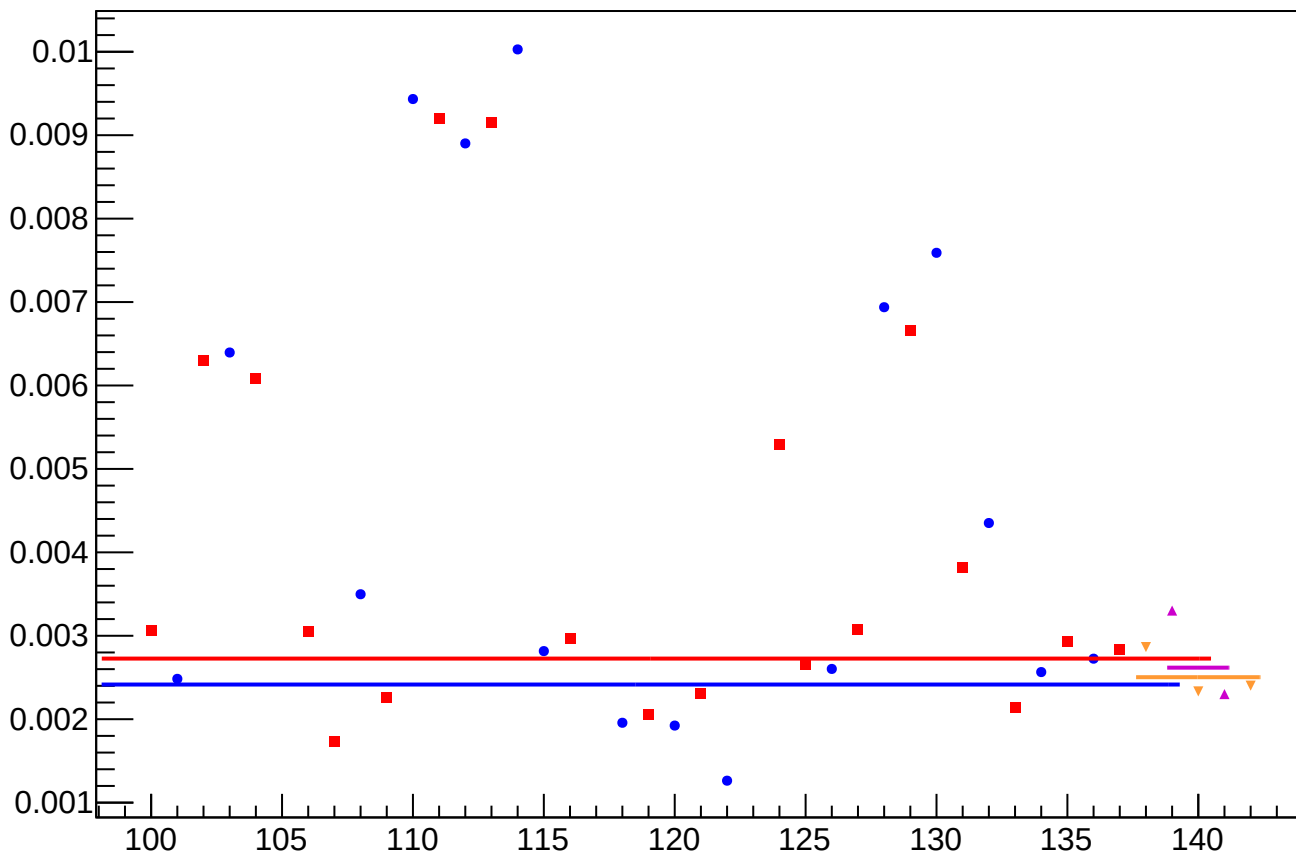
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.7/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.8/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/20

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3432108.8/15

Left Out: 0.003+/-0.000 χ^2/NDF :34958.0/2

Right Out: 0.003+/-0.000 χ^2/NDF : 2505080.1/18

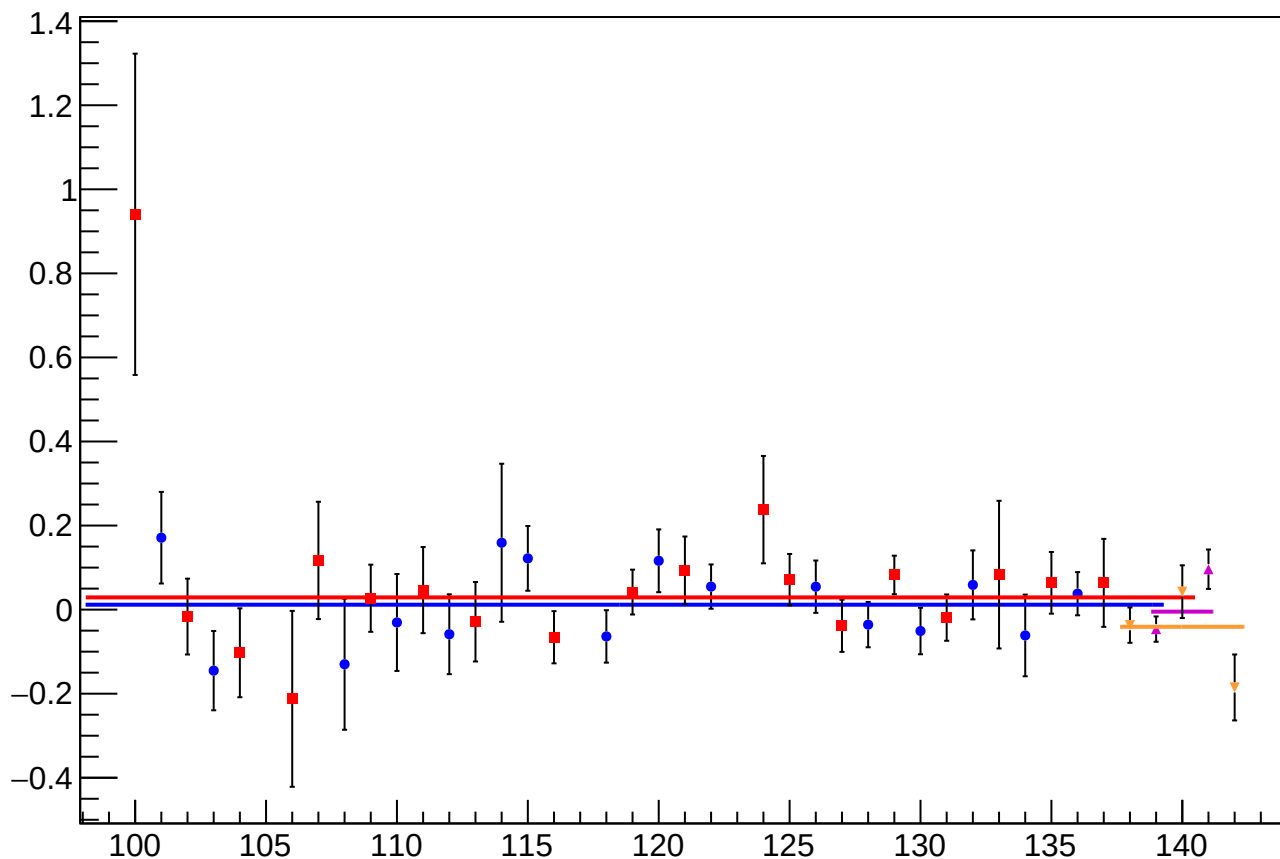
Left In: 0.003+/-0.000 χ^2/NDF :105240.3/1

+ sign 0.002+/-0.000 χ^2/NDF : 3470769.8/18

All: 0.003+/-0.000 χ^2/NDF : 6163595.9/39

- sign 0.003+/-0.000 χ^2/NDF : 2614722.4/20

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012 $\pm$ 0.018 χ^2 /NDF: 16.9/15

Left Out: -0.041 $\pm$ 0.032 χ^2 /NDF: 5.2/2

Right Out: 0.029 $\pm$ 0.018 χ^2 /NDF: 19.5/18

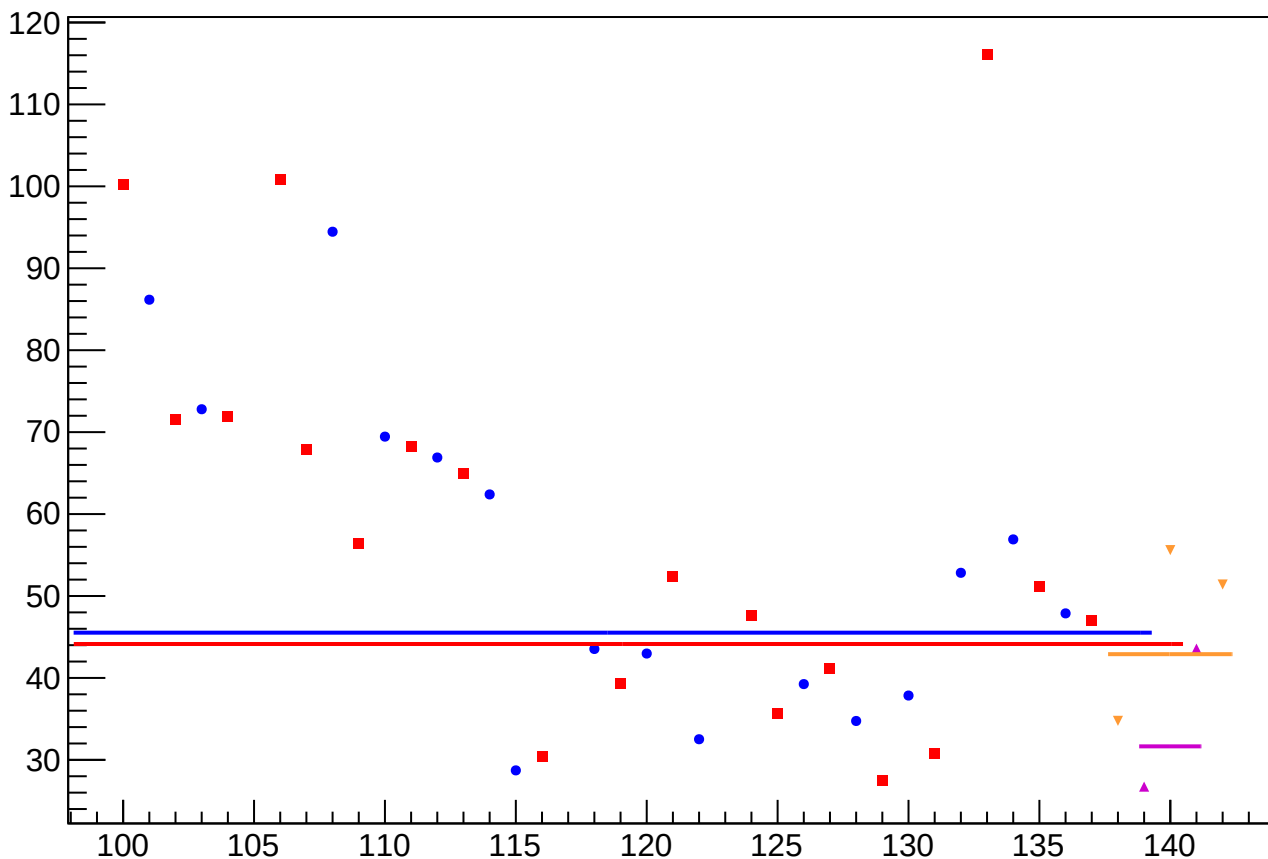
Left In: -0.005 $\pm$ 0.025 χ^2 /NDF: 6.5/1

+ sign -0.001 $\pm$ 0.016 χ^2 /NDF: 24.1/18

All: 0.009 $\pm$ 0.011 χ^2 /NDF: 52.1/39

- sign 0.018 $\pm$ 0.015 χ^2 /NDF: 27.3/20

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: 42.901+/-0.023 χ^2/NDF : 180444.8/2

Right Out: 44.141+/-0.013 χ^2/NDF : 1743351.0/18

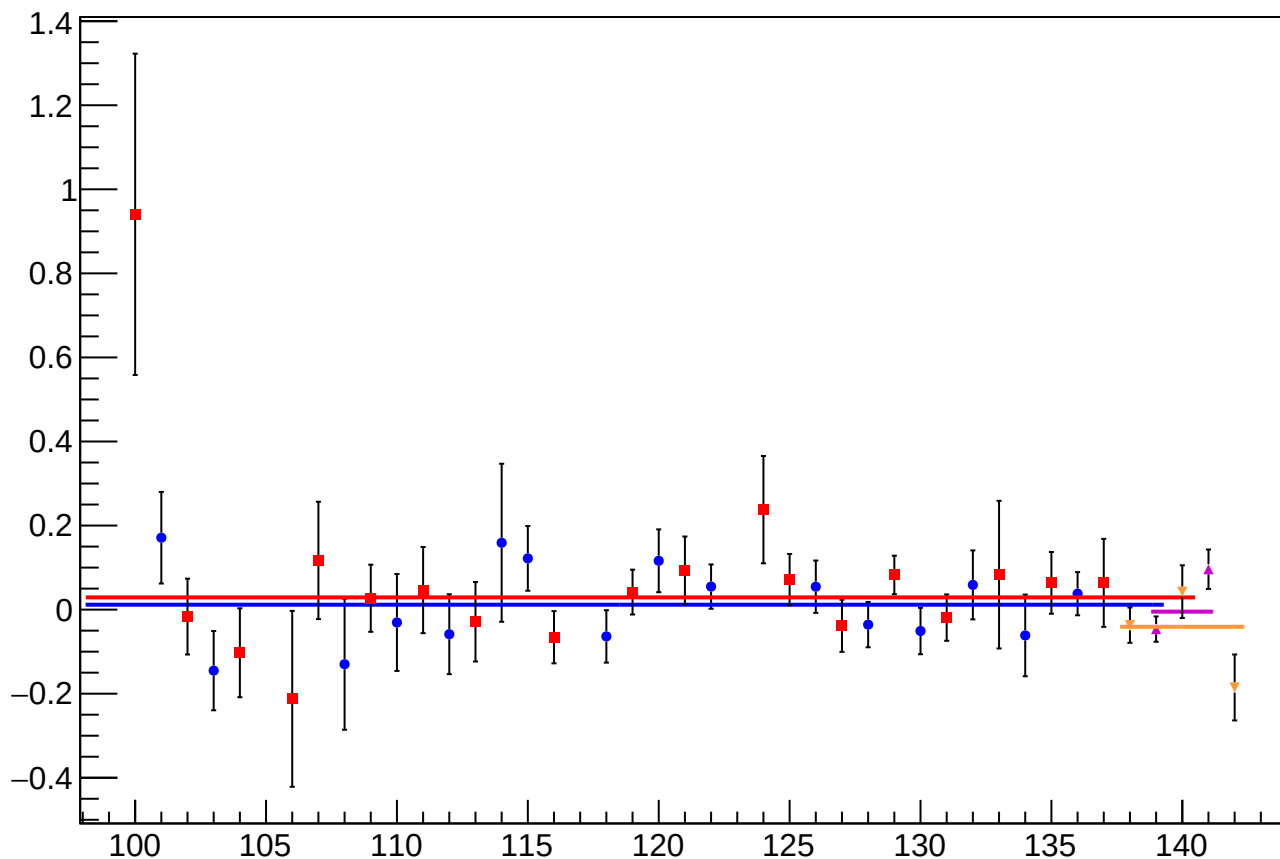
Left In: 31.649+/-0.018 χ^2/NDF : 182617.4/1

+ sign 44.874+/-0.011 χ^2/NDF : 1444538.2/18

All: 42.228+/-0.008 χ^2/NDF : 3797440.3/39

- sign 39.989+/-0.010 χ^2/NDF : 2250419.0/20

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF : 16.9/15

Left Out: -0.041+/-0.032 χ^2/NDF : 5.2/2

Right Out: 0.029+/-0.018 χ^2/NDF : 19.5/18

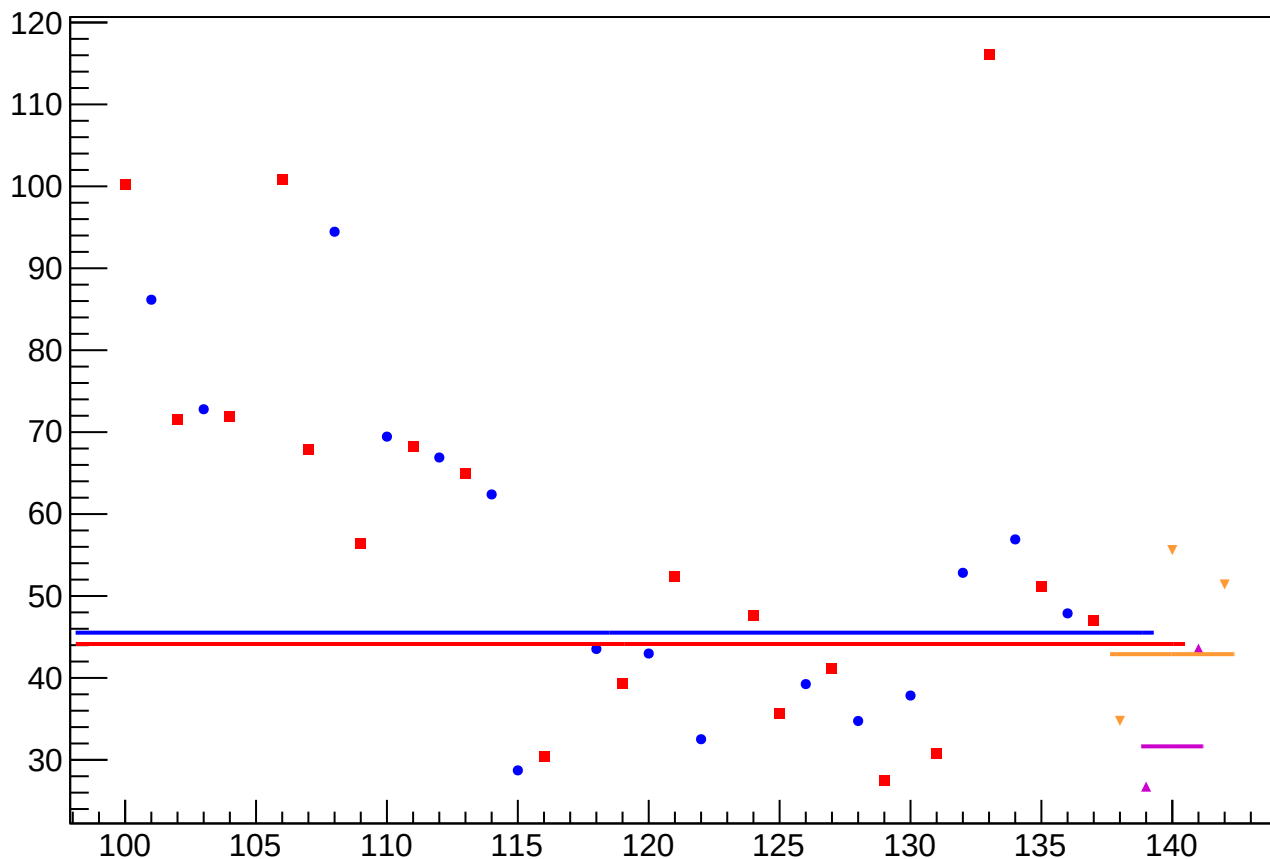
Left In: -0.005+/-0.025 χ^2/NDF : 6.5/1

+ sign -0.001+/-0.016 χ^2/NDF : 24.1/18

All: 0.009+/-0.011 χ^2/NDF : 52.1/39

- sign 0.018+/-0.015 χ^2/NDF : 27.3/20

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF : 1253922.0/15

Left Out: 42.901+/-0.023 χ^2/NDF : 180444.8/2

Right Out: 44.141+/-0.013 χ^2/NDF : 1743351.0/18

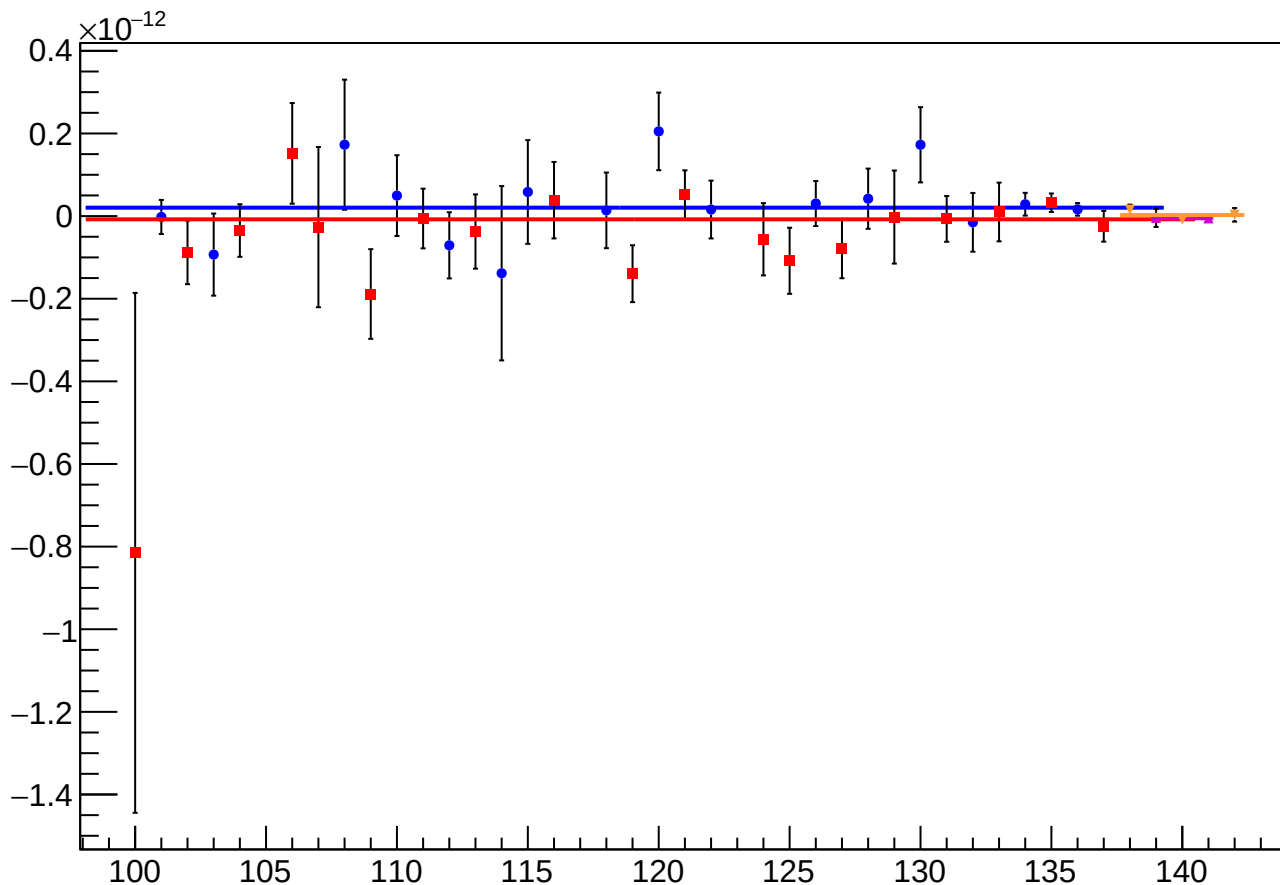
Left In: 31.649+/-0.018 χ^2/NDF : 182617.4/1

+ sign 44.874+/-0.011 χ^2/NDF : 1444538.2/18

All: 42.228+/-0.008 χ^2/NDF : 3797440.3/39

- sign 39.989+/-0.010 χ^2/NDF : 2250419.0/20

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: 2.1/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/18

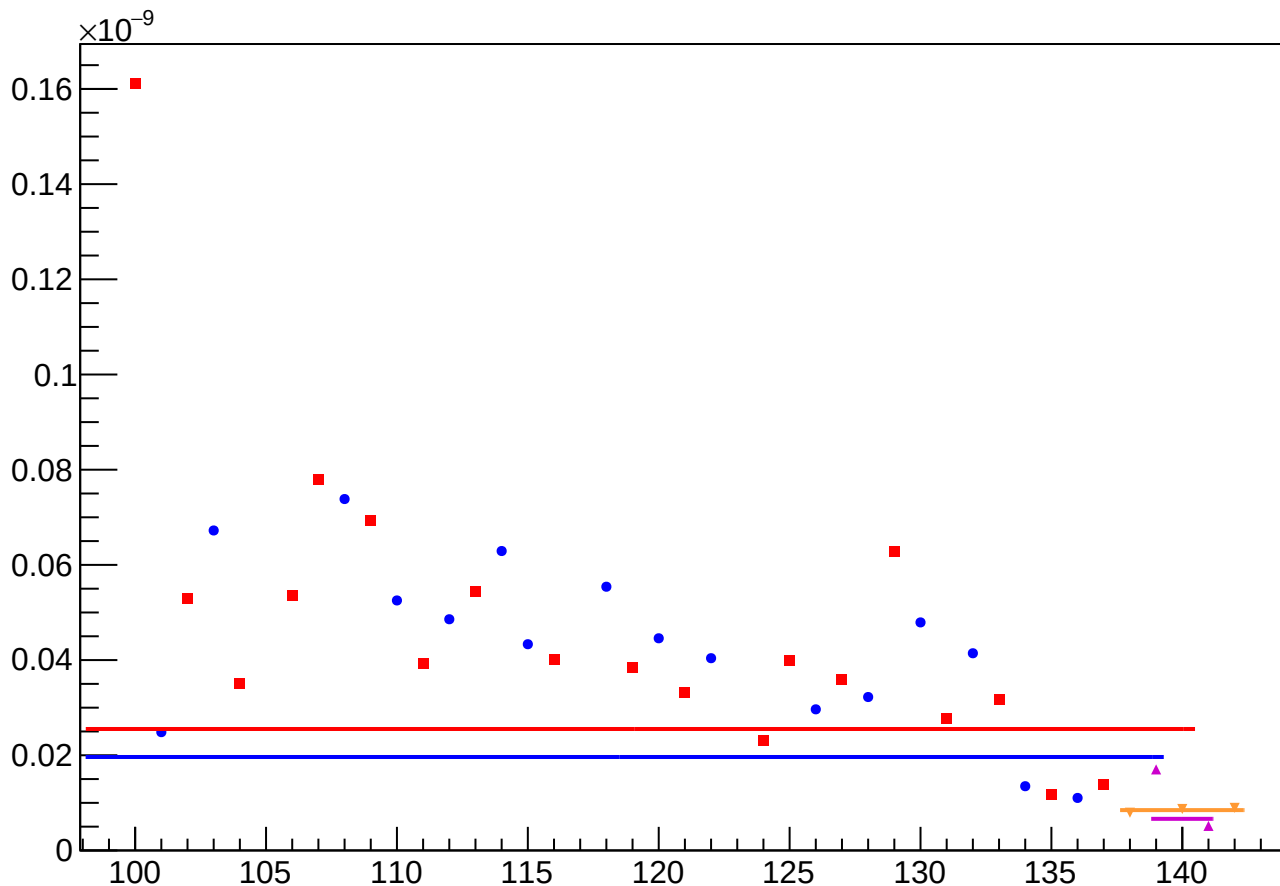
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36.8/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/20

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 : 6509.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2703953.2/18

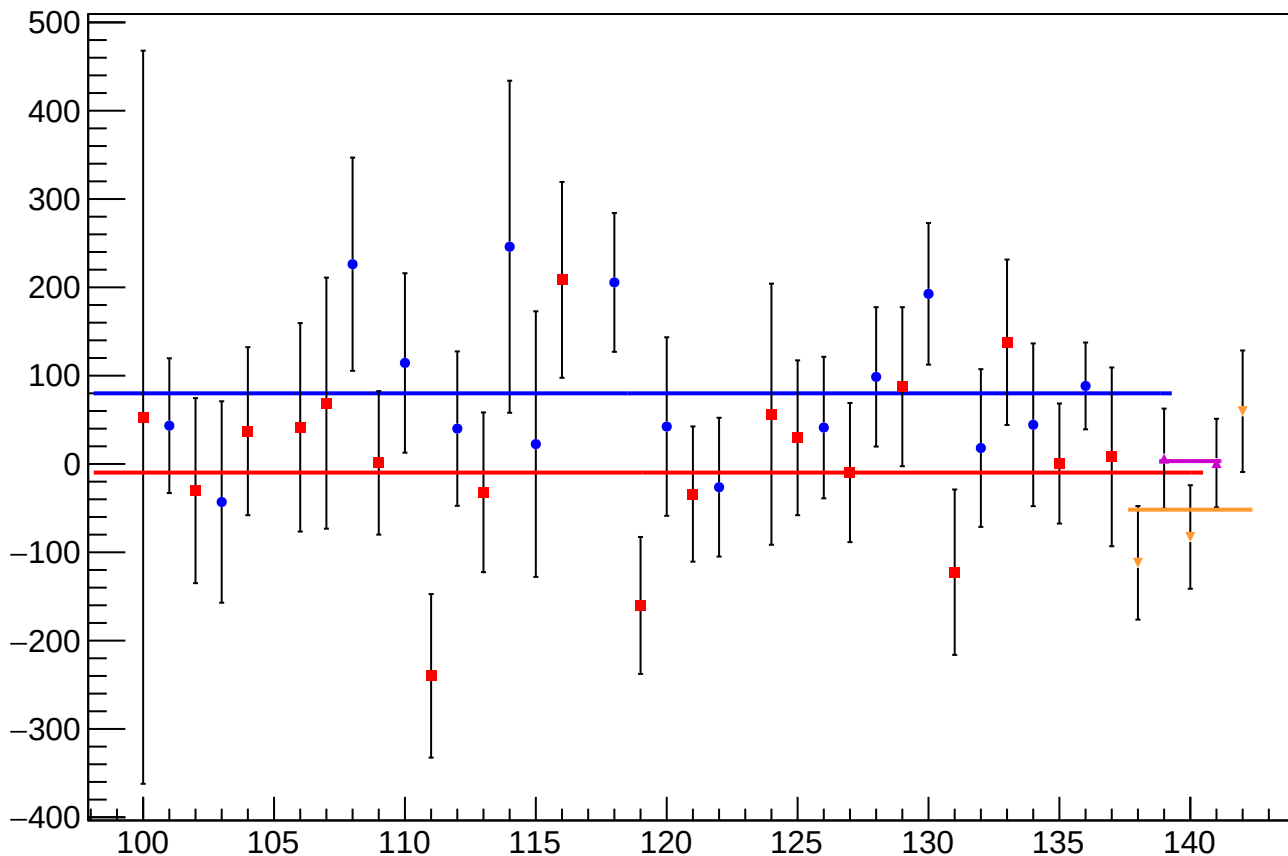
Left In: 0.000+/-0.000 χ^2/NDF : 510571.5/1

+ sign 0.000+/-0.000 χ^2/NDF : 4634794.2/18

All: 0.000+/-0.000 χ^2/NDF : 10734171.4/39

- sign 0.000+/-0.000 χ^2/NDF : 6089592.5/20

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993 $\pm$ 21.474 χ^2 /NDF: 11.6/15

Left Out: -51.759 $\pm$ 36.656 χ^2 /NDF:3.8/2

Right Out: -9.730 $\pm$ 21.617 χ^2 /NDF: 20.3/18

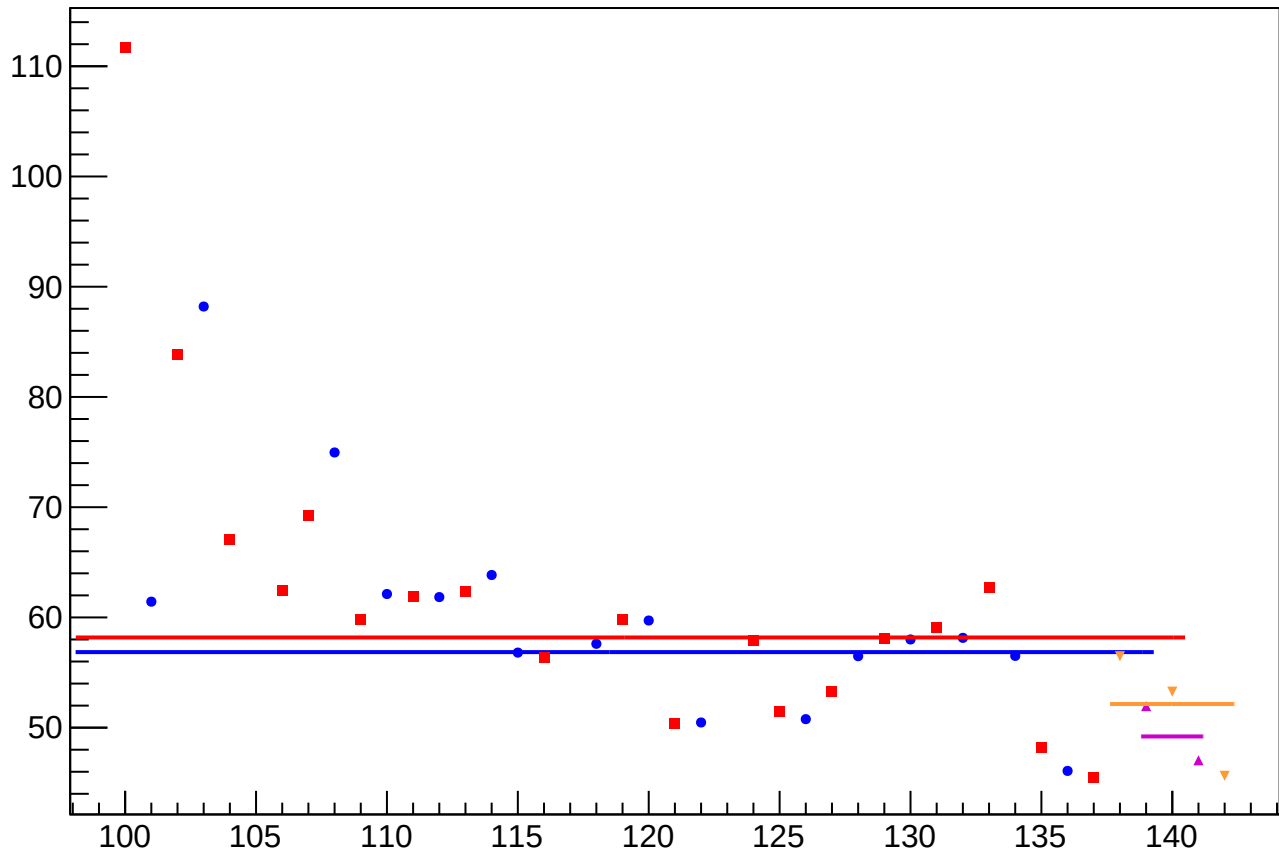
Left In: 3.255 $\pm$ 37.553 χ^2 /NDF:0.0/1

+ sign 46.329 $\pm$ 18.529 χ^2 /NDF: 24.9/18

All: 20.208 $\pm$ 13.174 χ^2 /NDF: 49.4/39

- sign -6.498 $\pm$ 18.735 χ^2 /NDF: 20.4/20

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854 $\pm$ 0.015 χ^2 /NDF: 341601.2/15

Left Out: 52.145 $\pm$ 0.026 χ^2 /NDF: 27746.1/2

Right Out: 58.181 $\pm$ 0.015 χ^2 /NDF: 314660.6/18

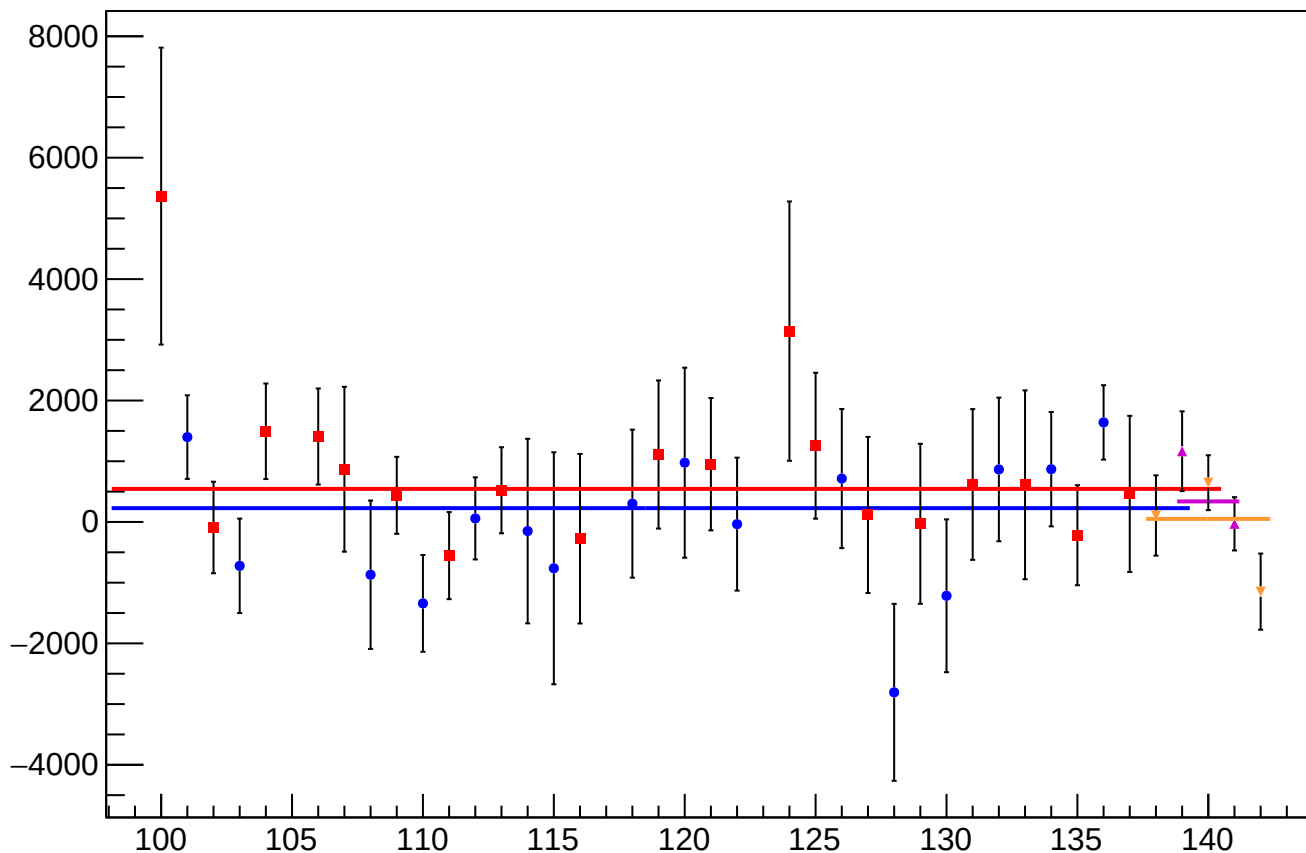
Left In: 49.203 $\pm$ 0.027 χ^2 /NDF: 8436.6/1

+ sign 55.651 $\pm$ 0.013 χ^2 /NDF: 393919.2/18

All: 55.797 $\pm$ 0.009 χ^2 /NDF: 803139.6/39

- sign 55.947 $\pm$ 0.013 χ^2 /NDF: 408968.6/20

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: 50.180 $\pm$ 320.670 χ^2 /NDF: 5.4/2

Right Out: 544.769 $\pm$ 227.243 χ^2 /NDF: 13.4/18

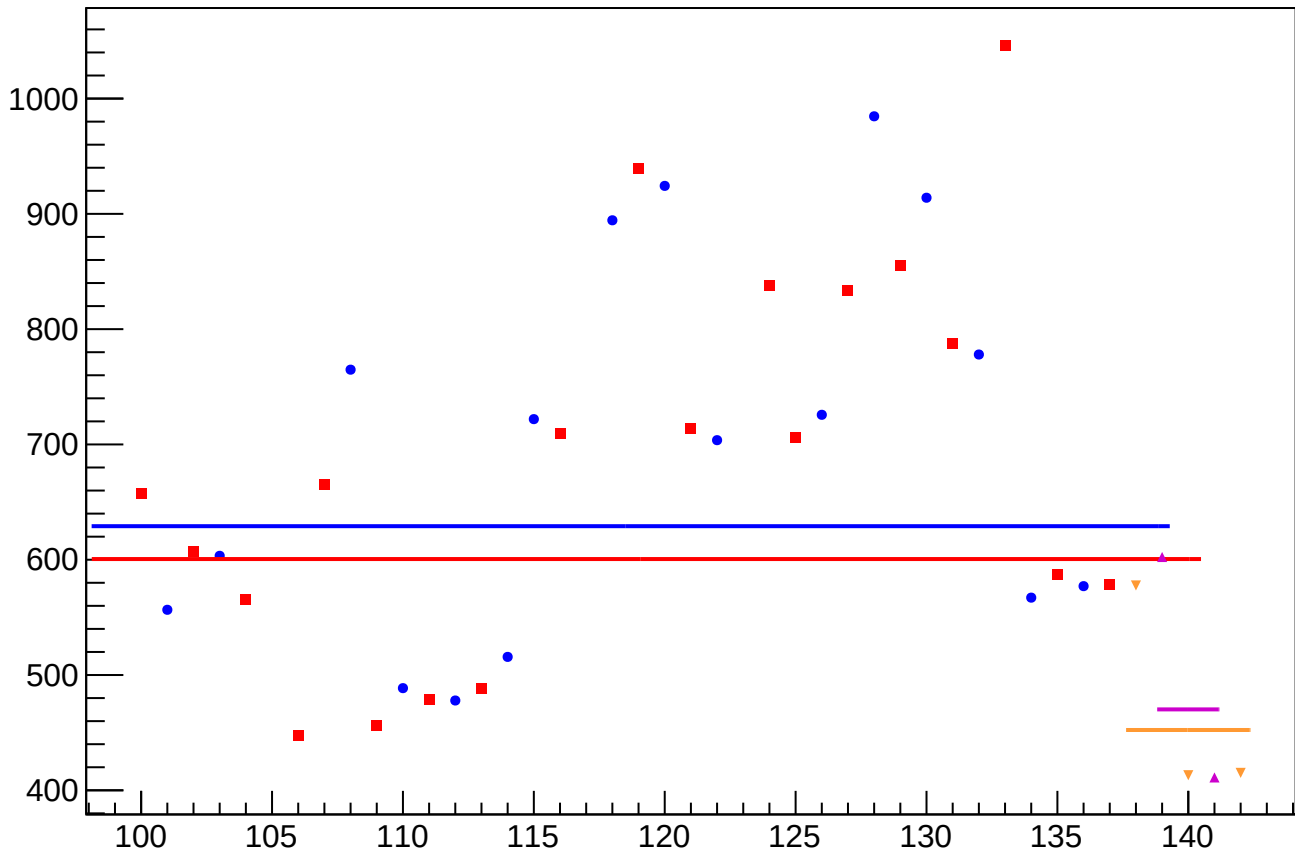
Left In: 338.471 $\pm$ 364.991 χ^2 /NDF: 2.3/1

+ sign 163.425 $\pm$ 192.771 χ^2 /NDF: 27.2/18

All: 325.167 $\pm$ 136.359 χ^2 /NDF: 44.5/39

- sign 487.141 $\pm$ 192.909 χ^2 /NDF: 15.9/20

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF : 692724.2/15

Left Out: 452.320+/-0.227 χ^2/NDF : 93984.5/2

Right Out: 600.593+/-0.161 χ^2/NDF : 874614.2/18

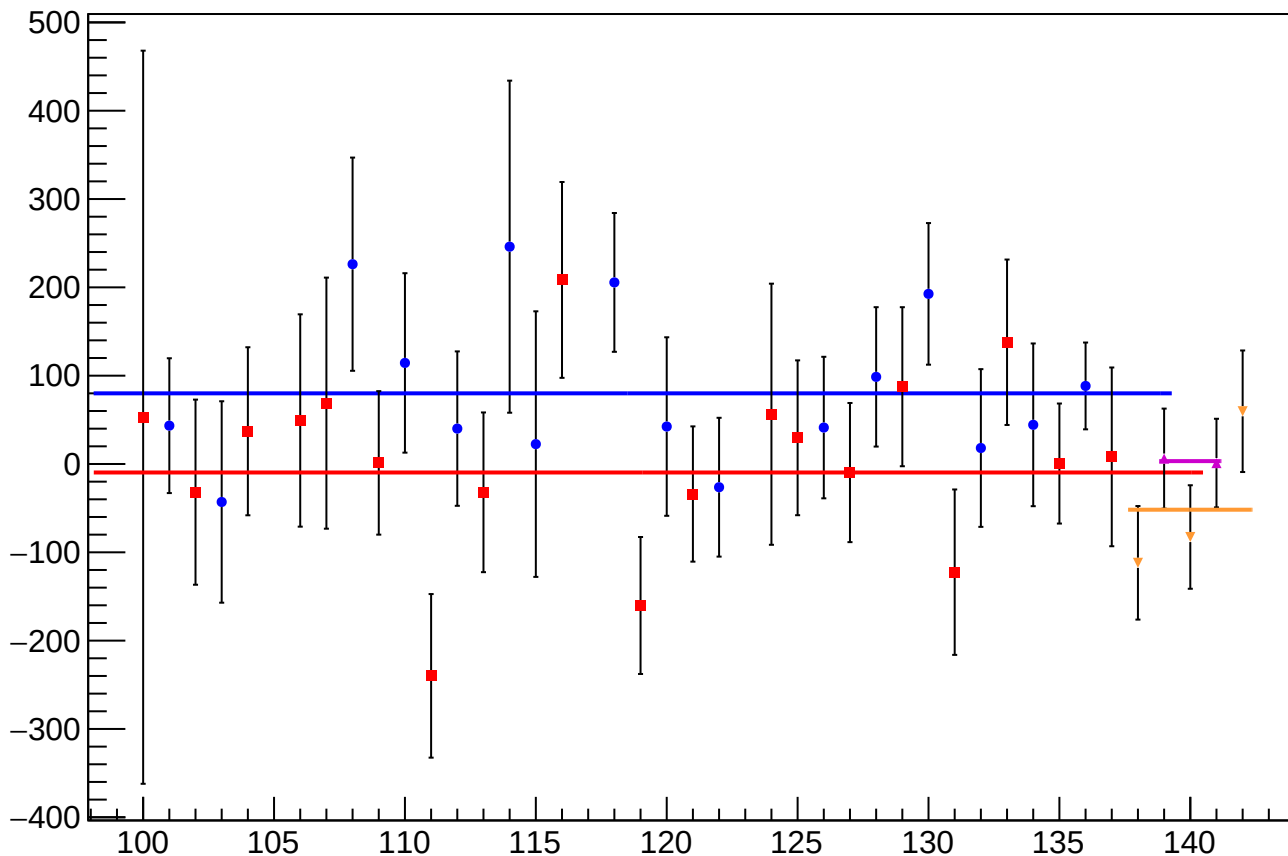
Left In: 470.178+/-0.258 χ^2/NDF : 117128.4/1

+ sign 565.212+/-0.136 χ^2/NDF : 1174860.1/18

All: 564.687+/-0.096 χ^2/NDF : 2350645.4/39

- sign 564.162+/-0.136 χ^2/NDF : 1175755.7/20

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998 $\pm$ 21.474 χ^2 /NDF: 11.6/15

Left Out: -51.765 $\pm$ 36.656 χ^2 /NDF:3.8/2

Right Out: -9.619 $\pm$ 21.631 χ^2 /NDF: 20.4/18

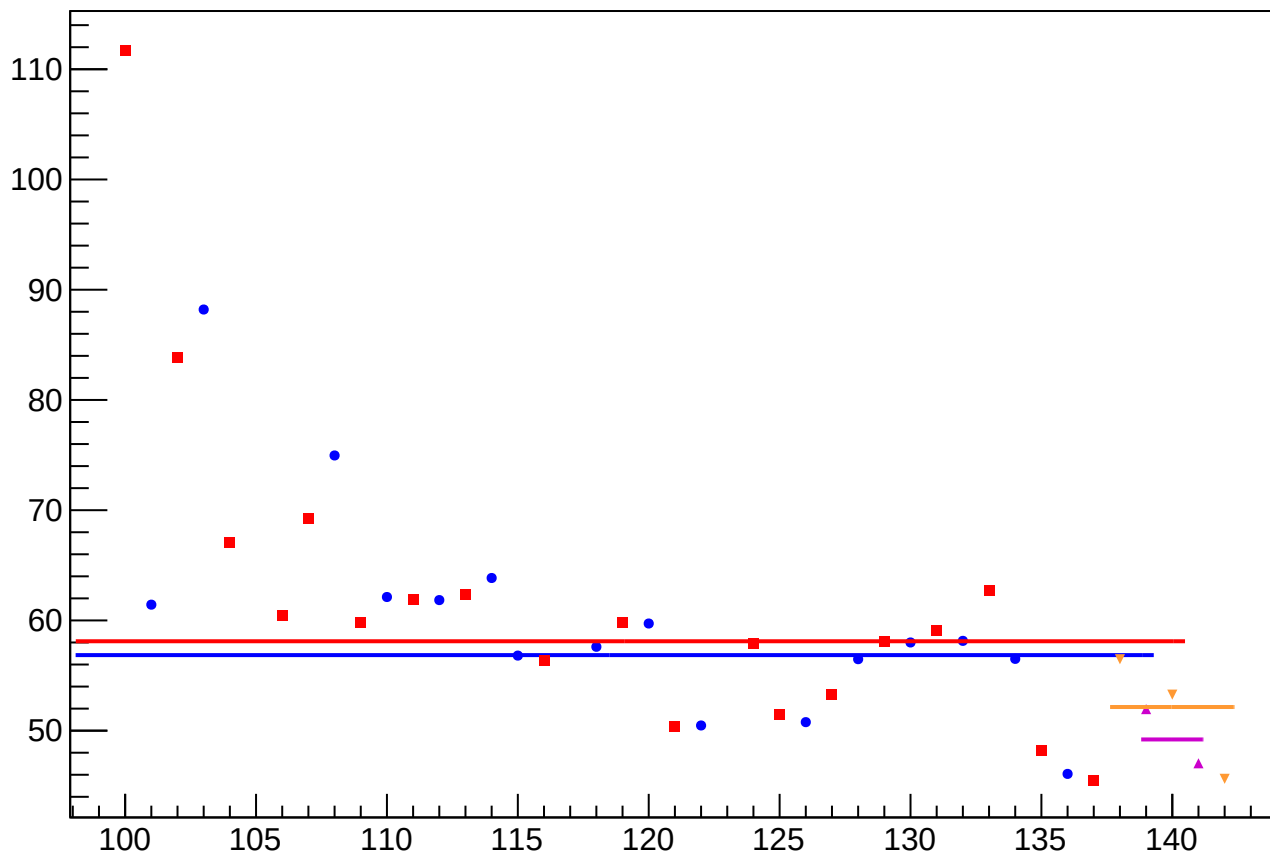
Left In: 3.256 $\pm$ 37.553 χ^2 /NDF:0.0/1

+ sign 46.331 $\pm$ 18.529 χ^2 /NDF: 25.0/18

All: 20.264 $\pm$ 13.177 χ^2 /NDF: 49.5/39

- sign -6.411 $\pm$ 18.744 χ^2 /NDF: 20.5/20

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854 $\pm$ 0.015 χ^2 /NDF: 341605.0/15

Left Out: 52.145 $\pm$ 0.026 χ^2 /NDF: 27746.1/2

Right Out: 58.111 $\pm$ 0.015 χ^2 /NDF: 312938.5/18

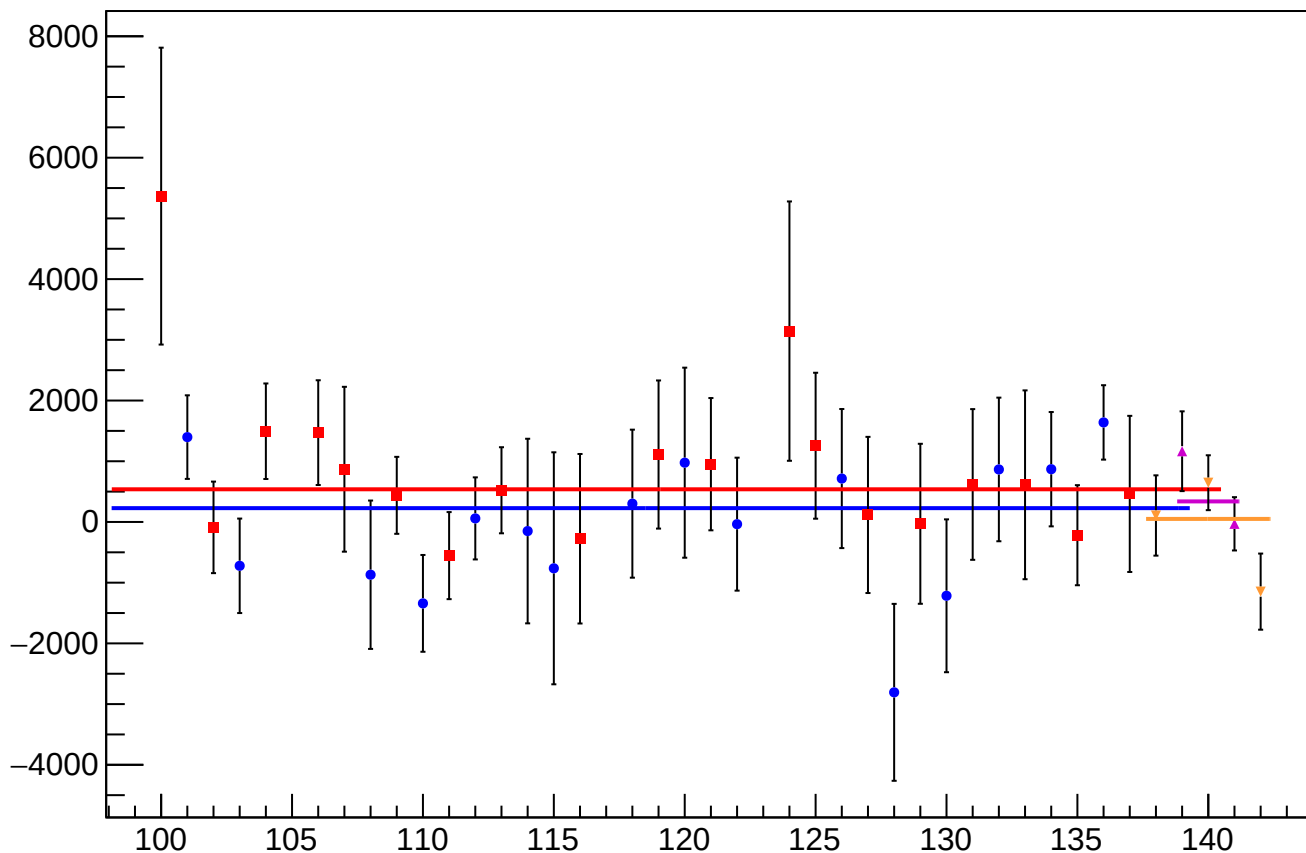
Left In: 49.203 $\pm$ 0.027 χ^2 /NDF: 8436.6/1

+ sign 55.651 $\pm$ 0.013 χ^2 /NDF: 393923.0/18

All: 55.770 $\pm$ 0.009 χ^2 /NDF: 799962.1/39

- sign 55.892 $\pm$ 0.013 χ^2 /NDF: 405872.6/20

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547 $\pm$ 241.227 χ^2 /NDF: 21.6/15

Left Out: 50.172 $\pm$ 320.670 χ^2 /NDF: 5.4/2

Right Out: 538.117 $\pm$ 228.754 χ^2 /NDF: 13.3/18

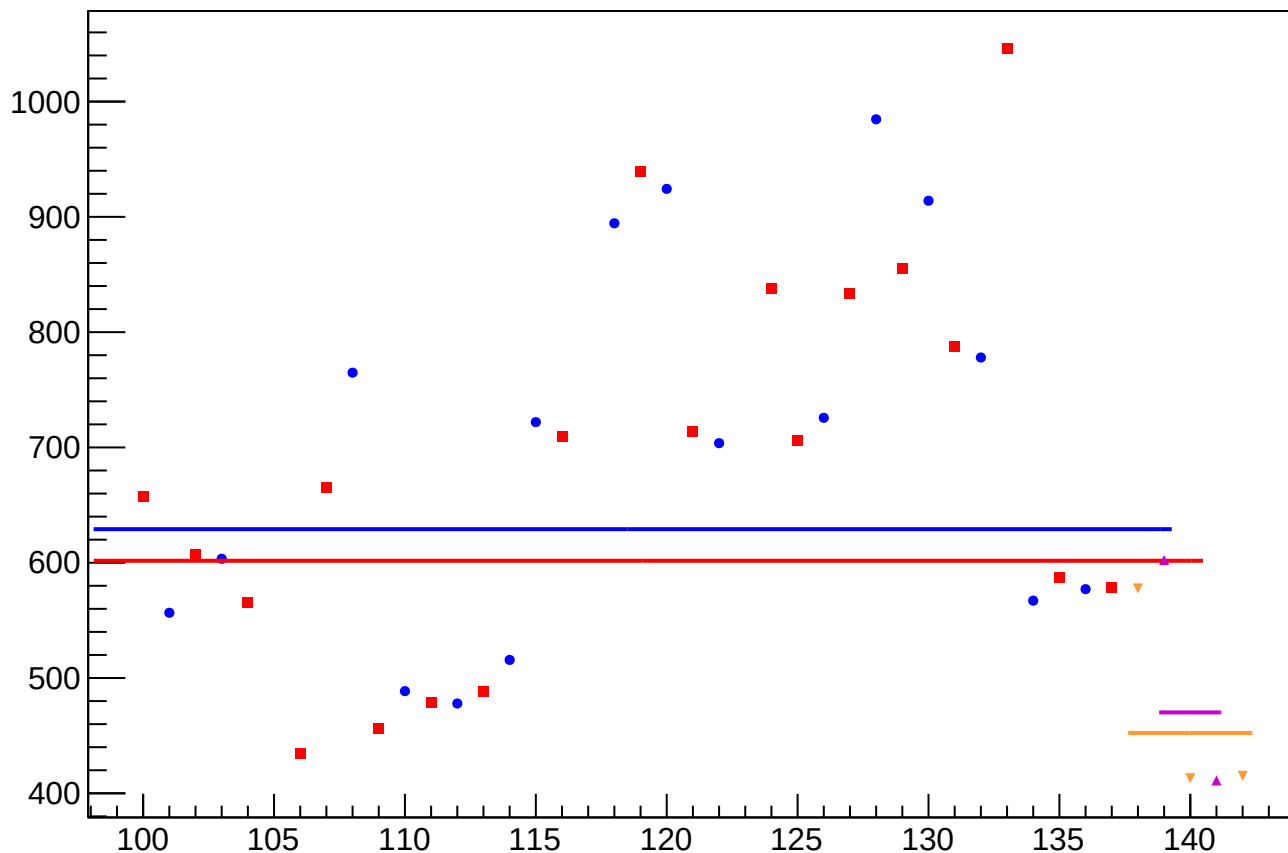
Left In: 338.480 $\pm$ 364.992 χ^2 /NDF: 2.3/1

+ sign 163.446 $\pm$ 192.772 χ^2 /NDF: 27.2/18

All: 321.758 $\pm$ 136.684 χ^2 /NDF: 44.4/39

- sign 481.814 $\pm$ 193.832 χ^2 /NDF: 15.8/20

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: 452.319 $\pm$ 0.227 χ^2 /NDF: 93984.3/2

Right Out: 601.721 $\pm$ 0.162 χ^2 /NDF: 874042.1/18

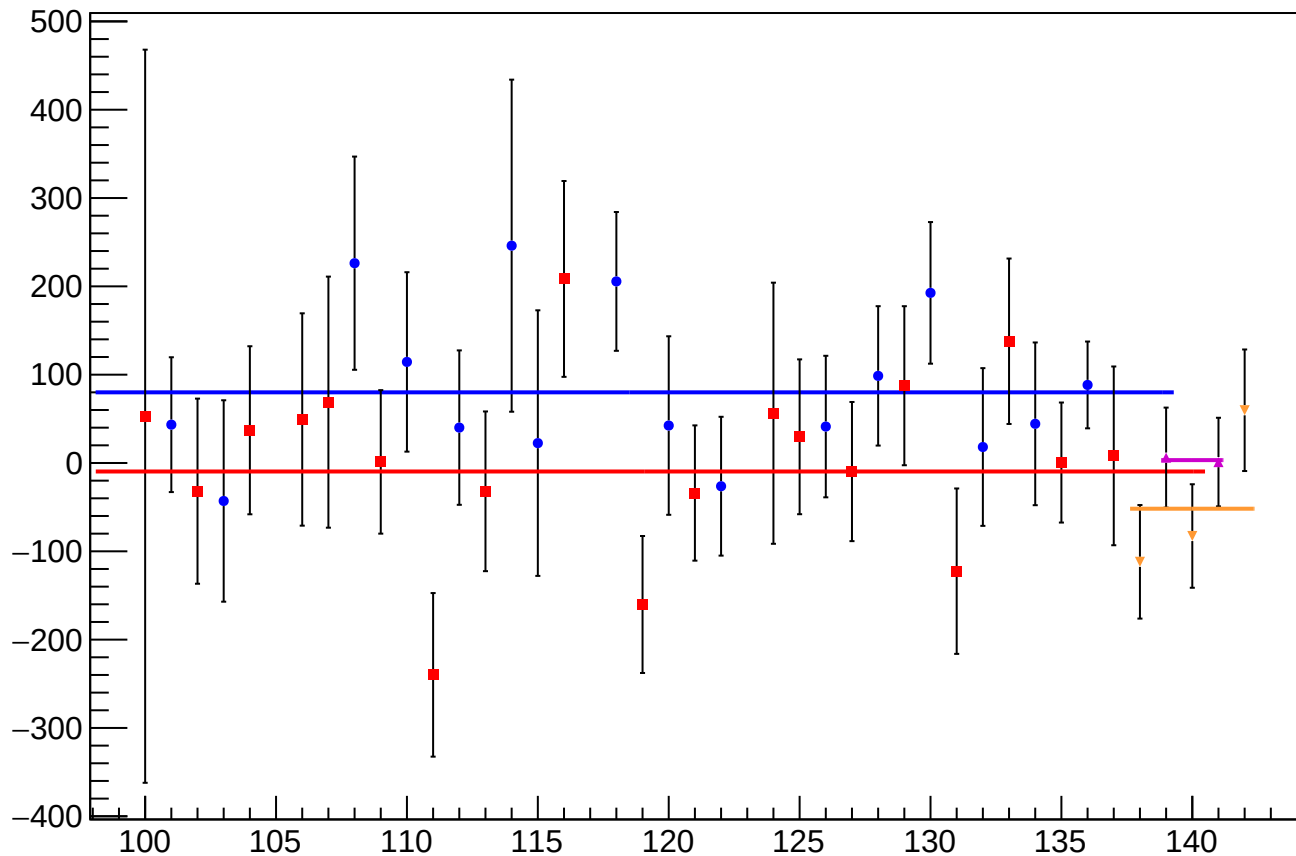
Left In: 470.178 $\pm$ 0.258 χ^2 /NDF: 117127.1/1

+ sign 565.214 $\pm$ 0.136 χ^2 /NDF: 1174872.9/18

All: 564.920 $\pm$ 0.097 χ^2 /NDF: 2352562.8/39

- sign 564.623 $\pm$ 0.137 χ^2 /NDF: 1177680.5/20

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998 $\pm$ 21.474 χ^2 /NDF: 11.6/15

Left Out: -51.765 $\pm$ 36.656 χ^2 /NDF:3.8/2

Right Out: -9.619 $\pm$ 21.631 χ^2 /NDF: 20.4/18

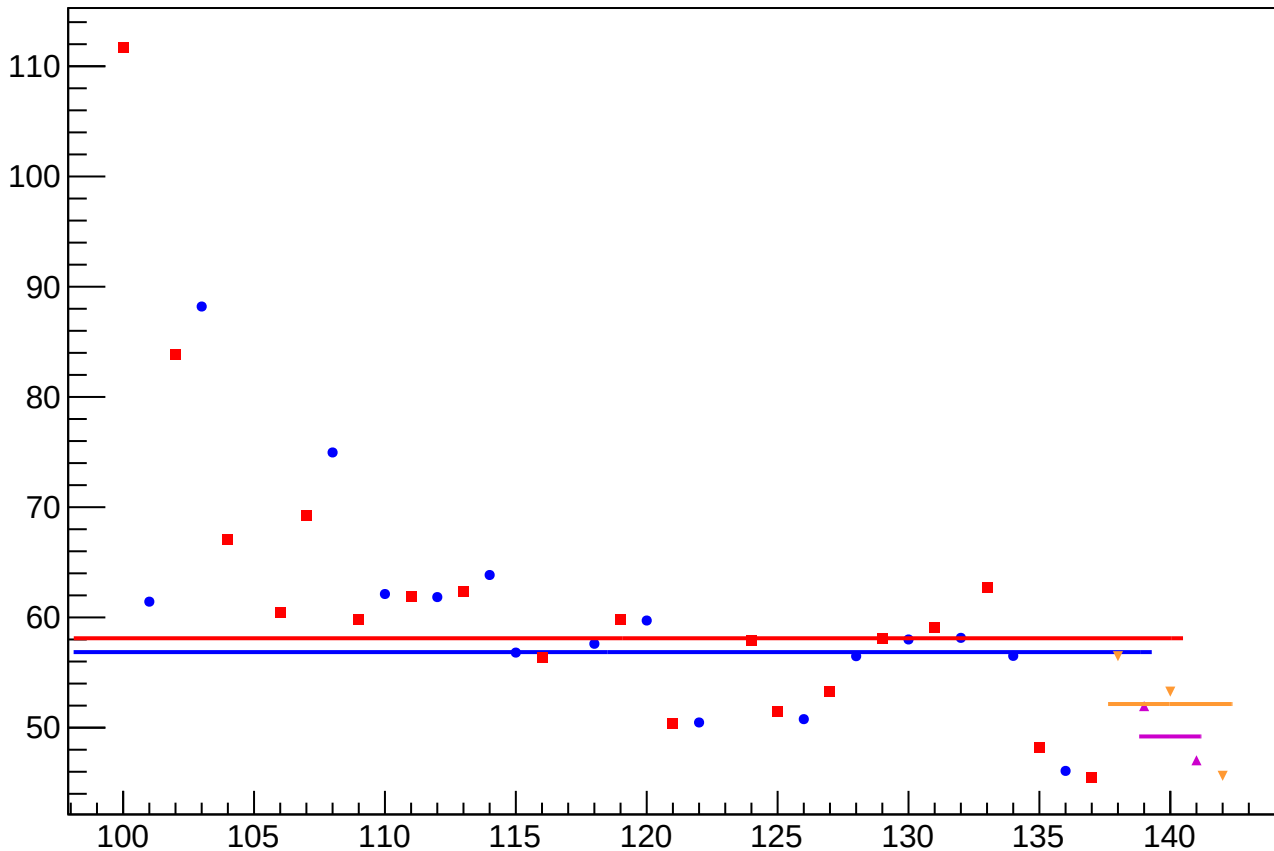
Left In: 3.256 $\pm$ 37.553 χ^2 /NDF:0.0/1

+ sign 46.331 $\pm$ 18.529 χ^2 /NDF: 25.0/18

All: 20.264 $\pm$ 13.177 χ^2 /NDF: 49.5/39

- sign -6.411 $\pm$ 18.744 χ^2 /NDF: 20.5/20

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: 52.145 $\pm$ 0.026 χ^2 /NDF:27746.1/2

Right Out: 58.111 $\pm$ 0.015 χ^2 /NDF: 312938.5/18

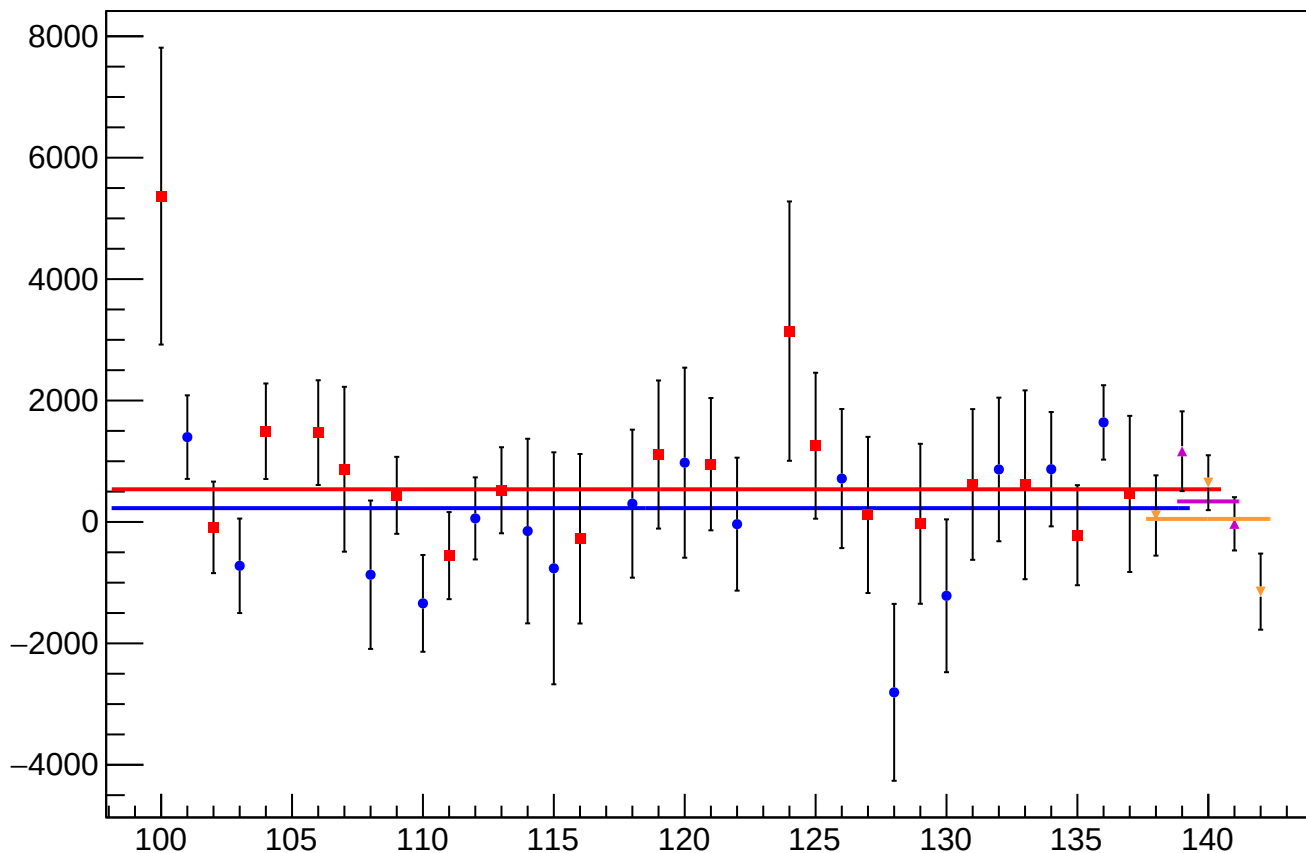
Left In: 49.203 $\pm$ 0.027 χ^2 /NDF:8436.6/1

+ sign 55.651 $\pm$ 0.013 χ^2 /NDF: 393923.0/18

All: 55.770 $\pm$ 0.009 χ^2 /NDF: 799962.1/39

- sign 55.892 $\pm$ 0.013 χ^2 /NDF: 405872.6/20

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: 50.172 $\pm$ 320.670 χ^2 /NDF: 5.4/2

Right Out: 538.117 $\pm$ 228.754 χ^2 /NDF: 13.3/18

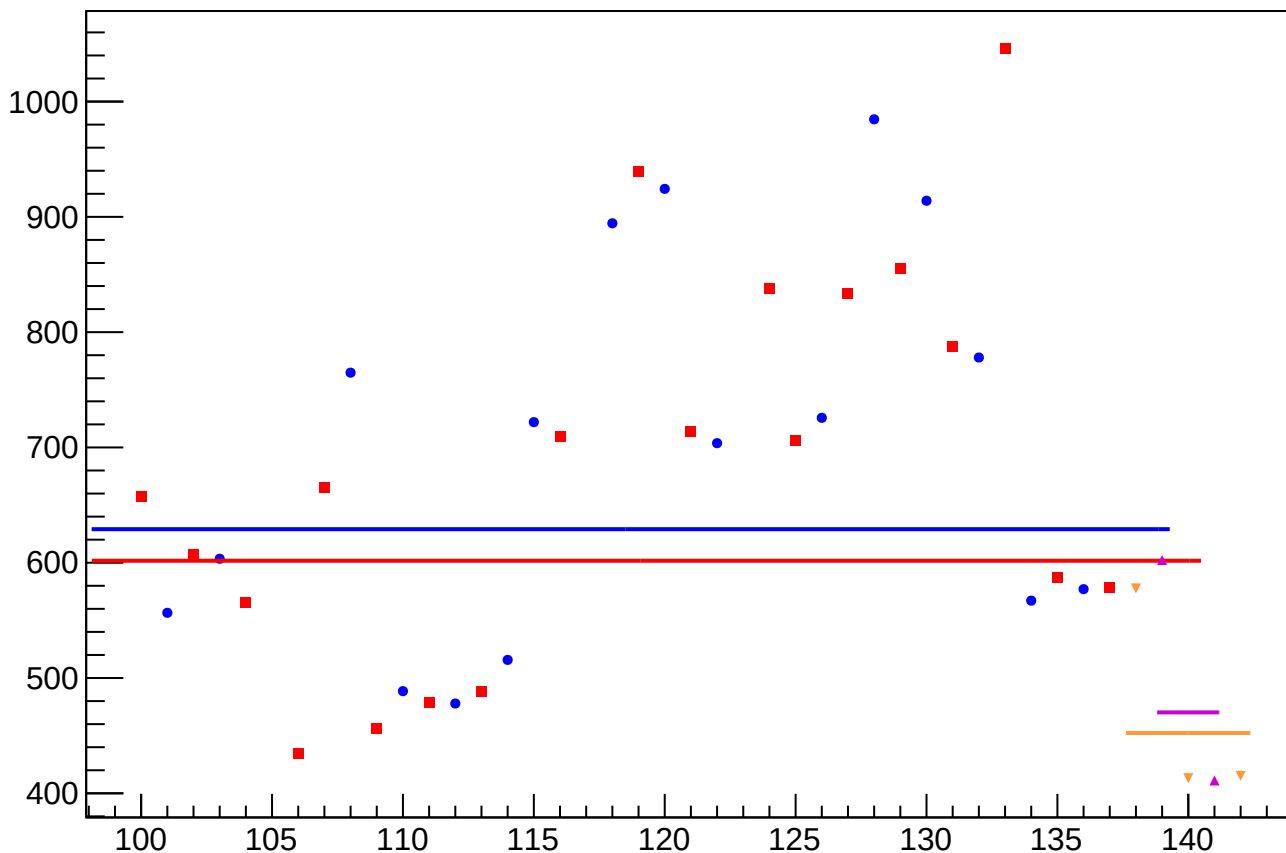
Left In: 338.480 $\pm$ 364.992 χ^2 /NDF: 2.3/1

+ sign 163.446 $\pm$ 192.772 χ^2 /NDF: 27.2/18

All: 321.758 $\pm$ 136.684 χ^2 /NDF: 44.4/39

- sign 481.814 $\pm$ 193.832 χ^2 /NDF: 15.8/20

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF : 692716.0/15

Left Out: 452.319+/-0.227 χ^2/NDF : 93984.3/2

Right Out: 601.721+/-0.162 χ^2/NDF : 874042.1/18

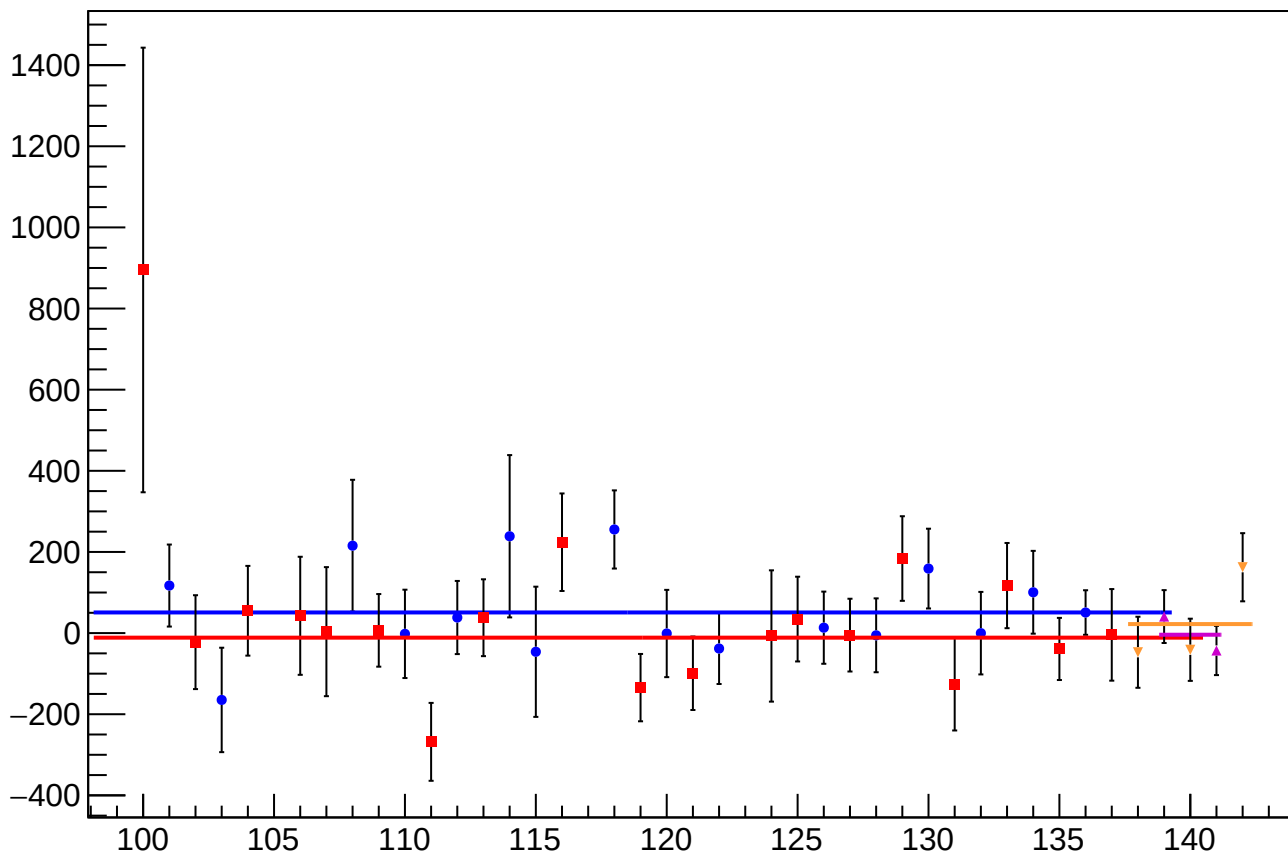
Left In: 470.178+/-0.258 χ^2/NDF : 117127.1/1

+ sign 565.214+/-0.136 χ^2/NDF : 1174872.9/18

All: 564.920+/-0.097 χ^2/NDF : 2352562.8/39

- sign 564.623+/-0.137 χ^2/NDF : 1177680.5/20

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861 ± 24.492 $\chi^2/\text{NDF}: 13.8/15$

Left Out: 22.213 ± 47.547 $\chi^2/\text{NDF}: 4.1/2$

Right Out: -11.261 ± 24.324 $\chi^2/\text{NDF}: 24.0/18$

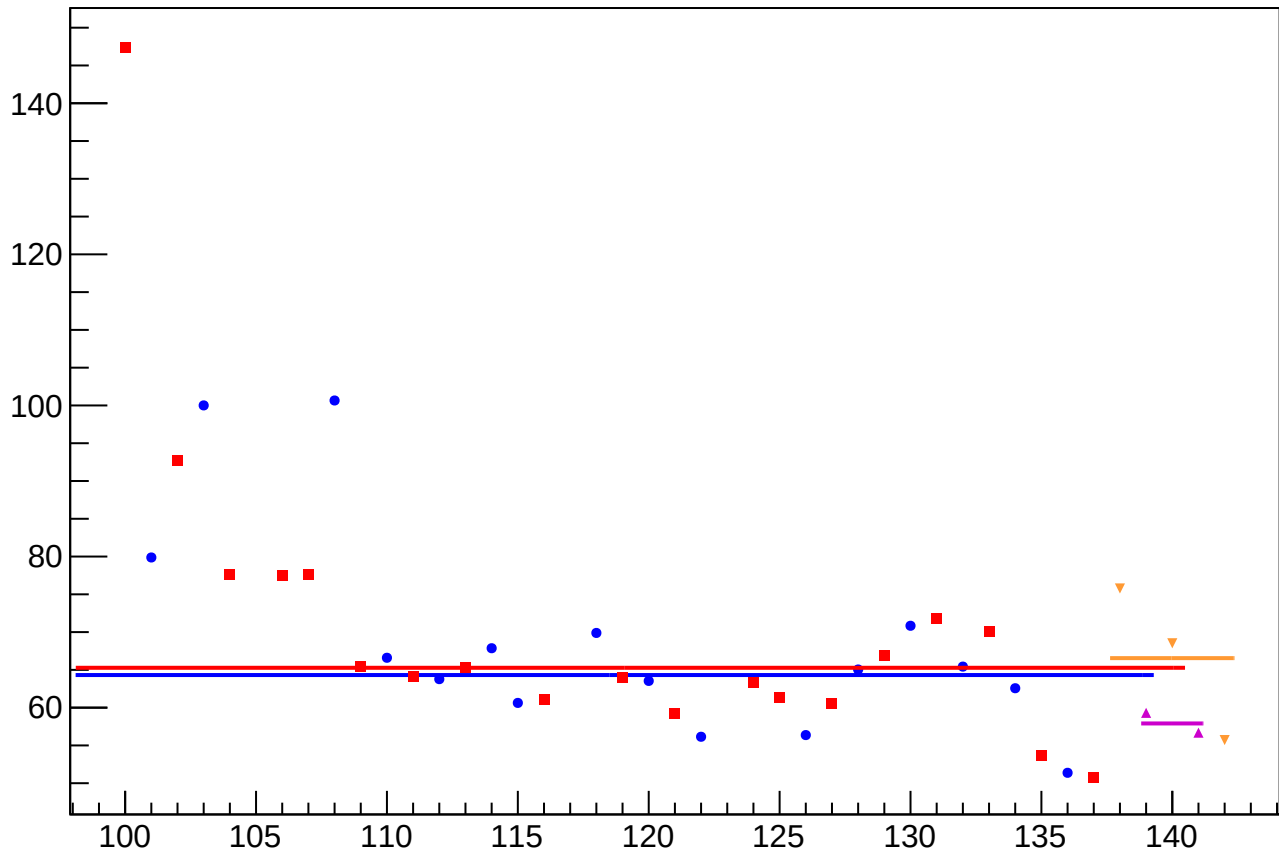
Left In: -4.043 ± 44.410 $\chi^2/\text{NDF}: 0.9/1$

+ sign 44.853 ± 21.773 $\chi^2/\text{NDF}: 18.2/18$

All: 17.074 ± 15.238 $\chi^2/\text{NDF}: 46.3/39$

- sign -9.595 ± 21.334 $\chi^2/\text{NDF}: 24.9/20$

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317 ± 0.017 $\chi^2/\text{NDF}: 464952.4/15$

Left Out: 66.555 ± 0.034 $\chi^2/\text{NDF}: 56830.1/2$

Right Out: 65.277 ± 0.017 $\chi^2/\text{NDF}: 319136.6/18$

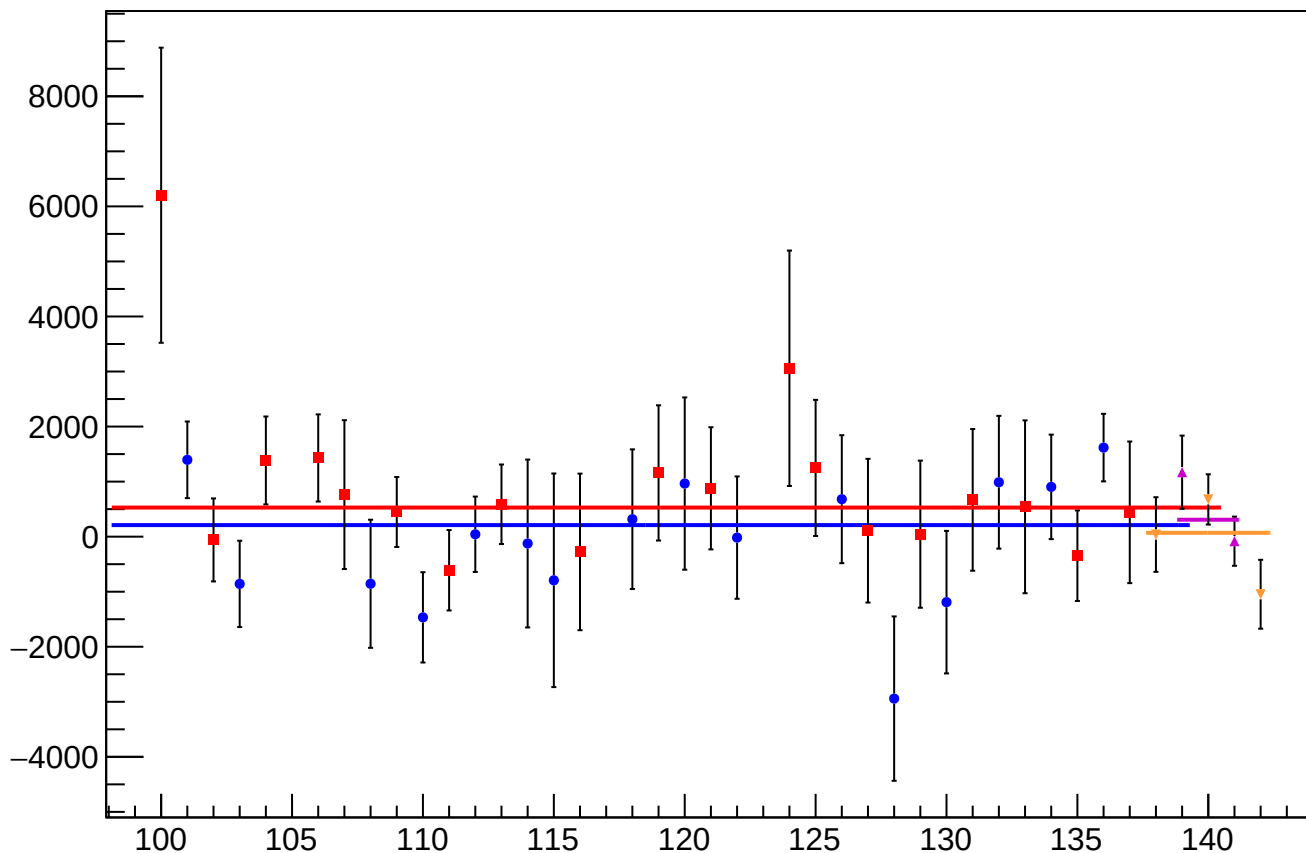
Left In: 57.909 ± 0.031 $\chi^2/\text{NDF}: 1738.1/1$

+ sign 64.786 ± 0.015 $\chi^2/\text{NDF}: 525284.3/18$

All: 64.169 ± 0.011 $\chi^2/\text{NDF}: 891657.9/39$

- sign 63.577 ± 0.015 $\chi^2/\text{NDF}: 363226.8/20$

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: 69.580 $\pm$ 323.912 χ^2 /NDF:5.0/2

Right Out: 528.675 $\pm$ 229.679 χ^2 /NDF: 13.8/18

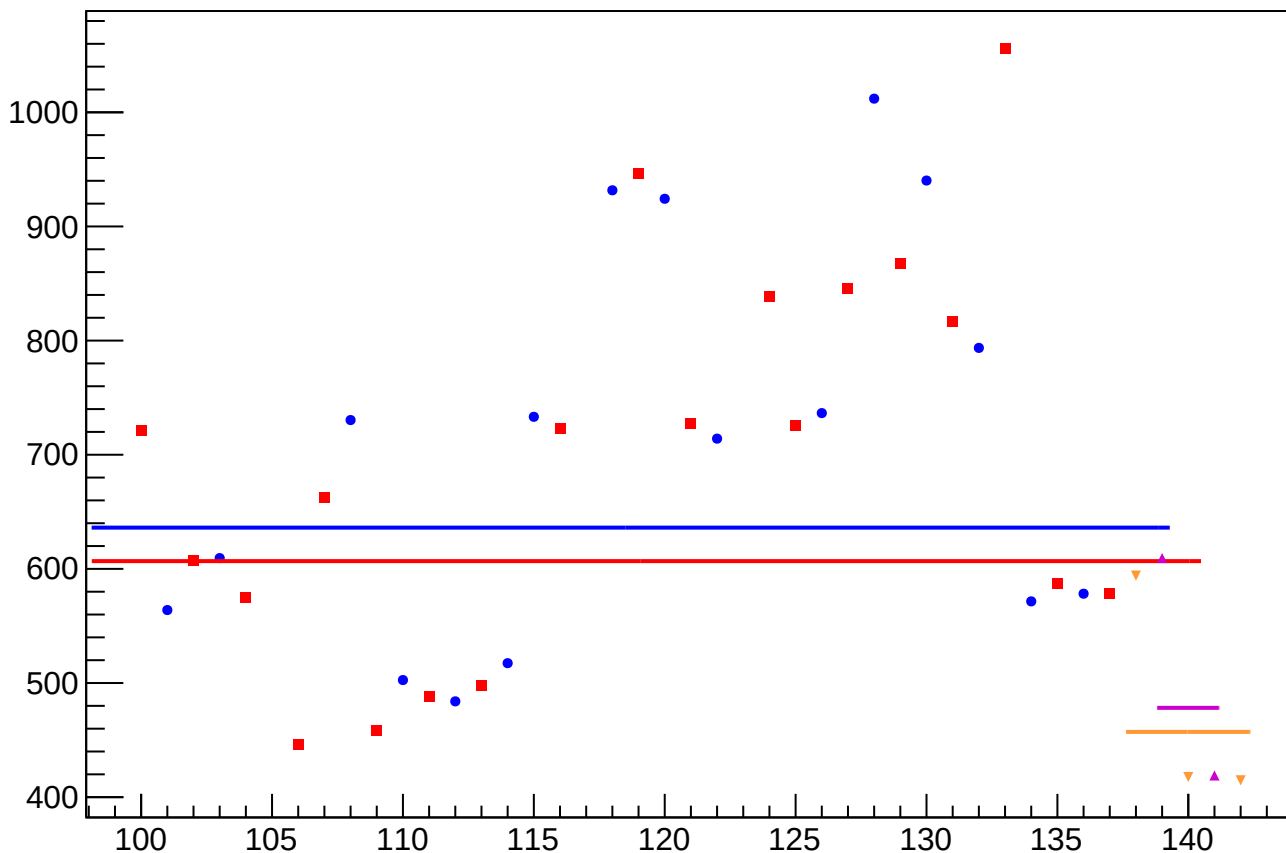
Left In: 307.543 $\pm$ 370.859 χ^2 /NDF:2.4/1

+ sign 159.230 $\pm$ 194.789 χ^2 /NDF: 27.5/18

All: 312.925 $\pm$ 137.904 χ^2 /NDF: 45.3/39

- sign 467.372 $\pm$ 195.264 χ^2 /NDF: 16.5/20

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF : 705237.7/15

Left Out: 457.183+/-0.229 χ^2/NDF : 105795.7/2

Right Out: 606.803+/-0.162 χ^2/NDF : 893878.7/18

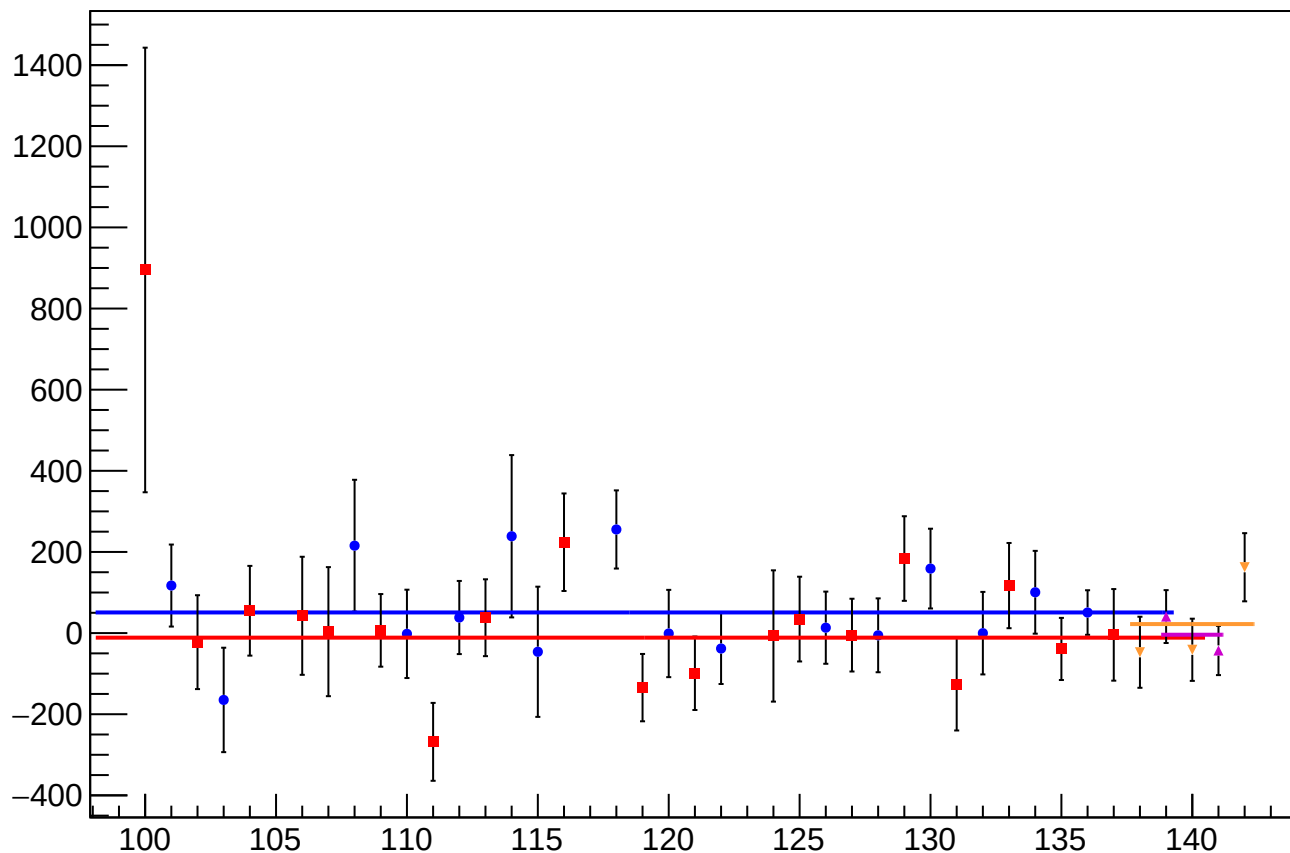
Left In: 478.260+/-0.262 χ^2/NDF : 113088.7/1

+ sign 571.425+/-0.138 χ^2/NDF : 1200760.3/18

All: 571.297+/-0.098 χ^2/NDF : 2381395.0/39

- sign 571.168+/-0.138 χ^2/NDF : 1180632.9/20

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859 ± 24.492 χ^2/NDF : 13.8/15

Left Out: 22.211 ± 47.547 χ^2/NDF : 4.1/2

Right Out: -11.261 ± 24.324 χ^2/NDF : 24.0/18

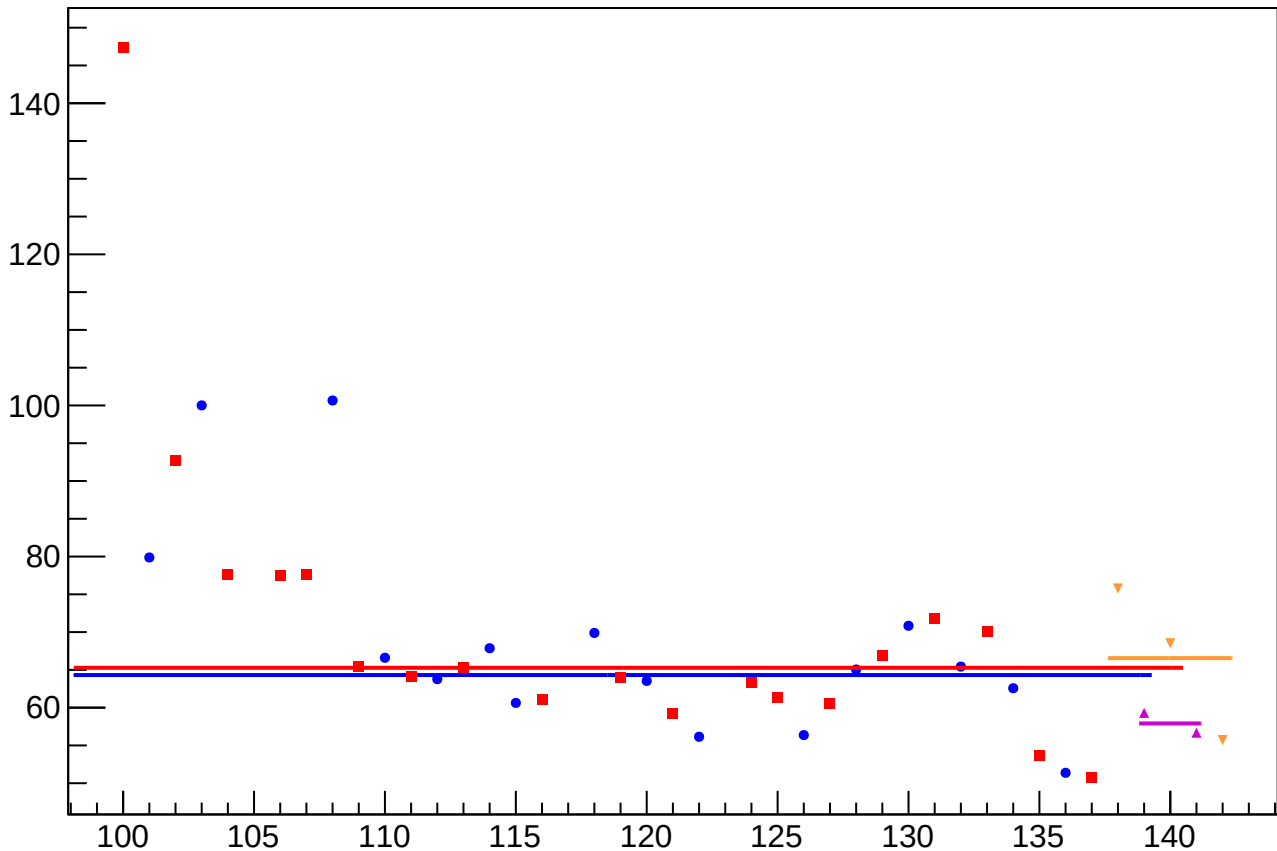
Left In: -4.044 ± 44.410 χ^2/NDF : 0.9/1

+ sign 44.851 ± 21.773 χ^2/NDF : 18.2/18

All: 17.073 ± 15.238 χ^2/NDF : 46.3/39

- sign -9.595 ± 21.334 χ^2/NDF : 24.9/20

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317 ± 0.017 $\chi^2/\text{NDF}: 464950.5/15$

Left Out: 66.555 ± 0.034 $\chi^2/\text{NDF}: 56827.3/2$

Right Out: 65.277 ± 0.017 $\chi^2/\text{NDF}: 319140.2/18$

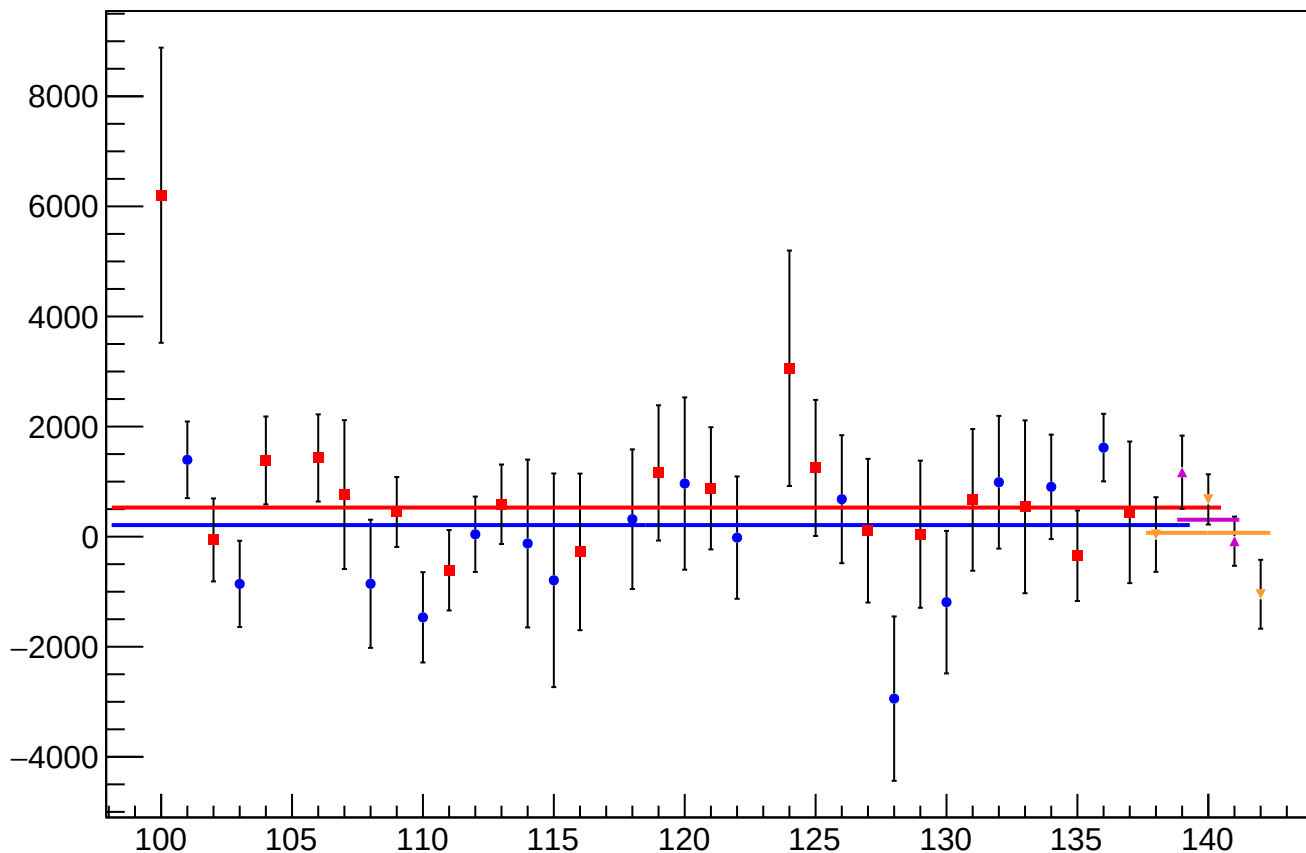
Left In: 57.909 ± 0.031 $\chi^2/\text{NDF}: 1737.6/1$

+ sign 64.786 ± 0.015 $\chi^2/\text{NDF}: 525279.5/18$

All: 64.169 ± 0.011 $\chi^2/\text{NDF}: 891658.0/39$

- sign 63.577 ± 0.015 $\chi^2/\text{NDF}: 363231.2/20$

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: 69.583 $\pm$ 323.911 χ^2 /NDF:5.0/2

Right Out: 528.674 $\pm$ 229.678 χ^2 /NDF: 13.8/18

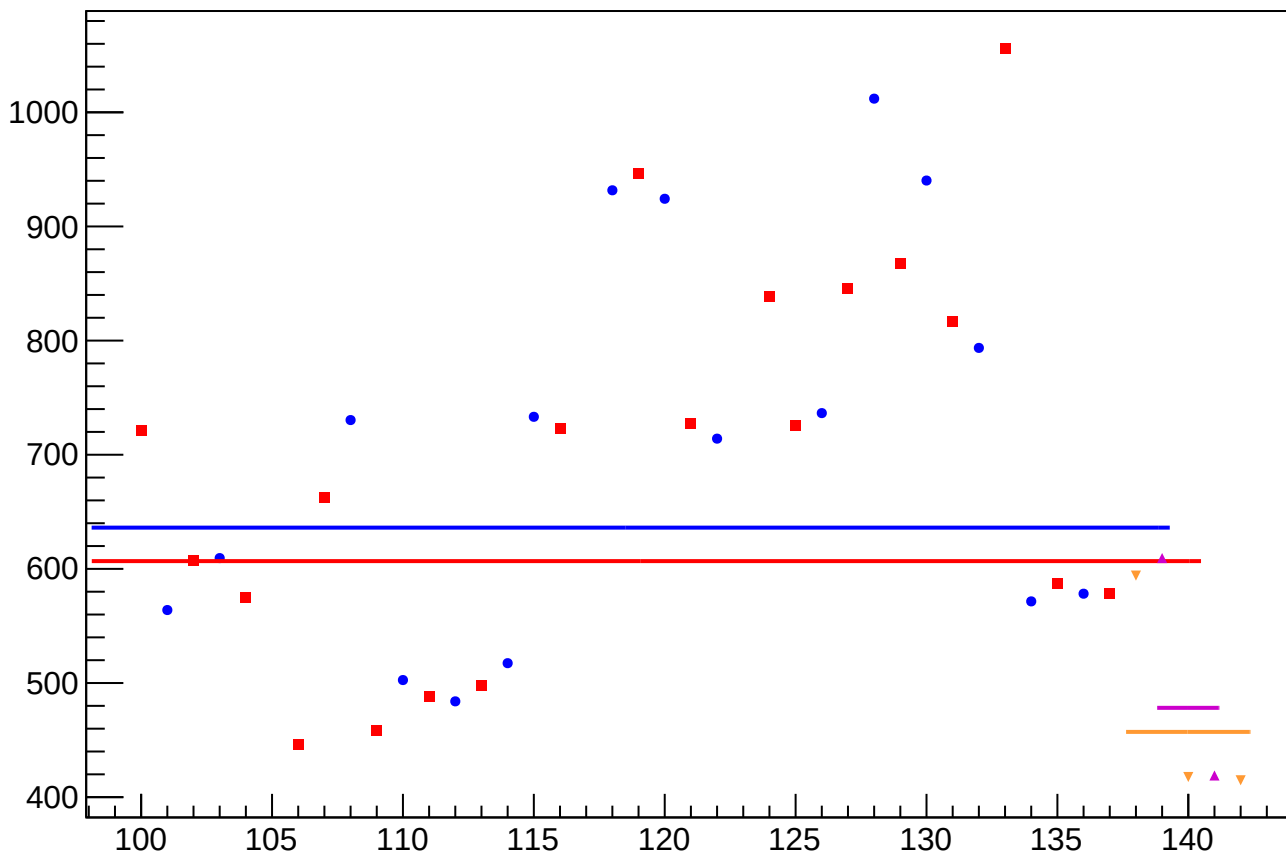
Left In: 307.543 $\pm$ 370.857 χ^2 /NDF:2.4/1

+ sign 159.230 $\pm$ 194.788 χ^2 /NDF: 27.5/18

All: 312.925 $\pm$ 137.904 χ^2 /NDF: 45.3/39

- sign 467.371 $\pm$ 195.264 χ^2 /NDF: 16.5/20

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 636.144 $\pm$ 0.172 χ^2/NDF : 705241.1/15

Left Out: 457.182 $\pm$ 0.229 χ^2/NDF : 105794.2/2

Right Out: 606.802 $\pm$ 0.162 χ^2/NDF : 893880.8/18

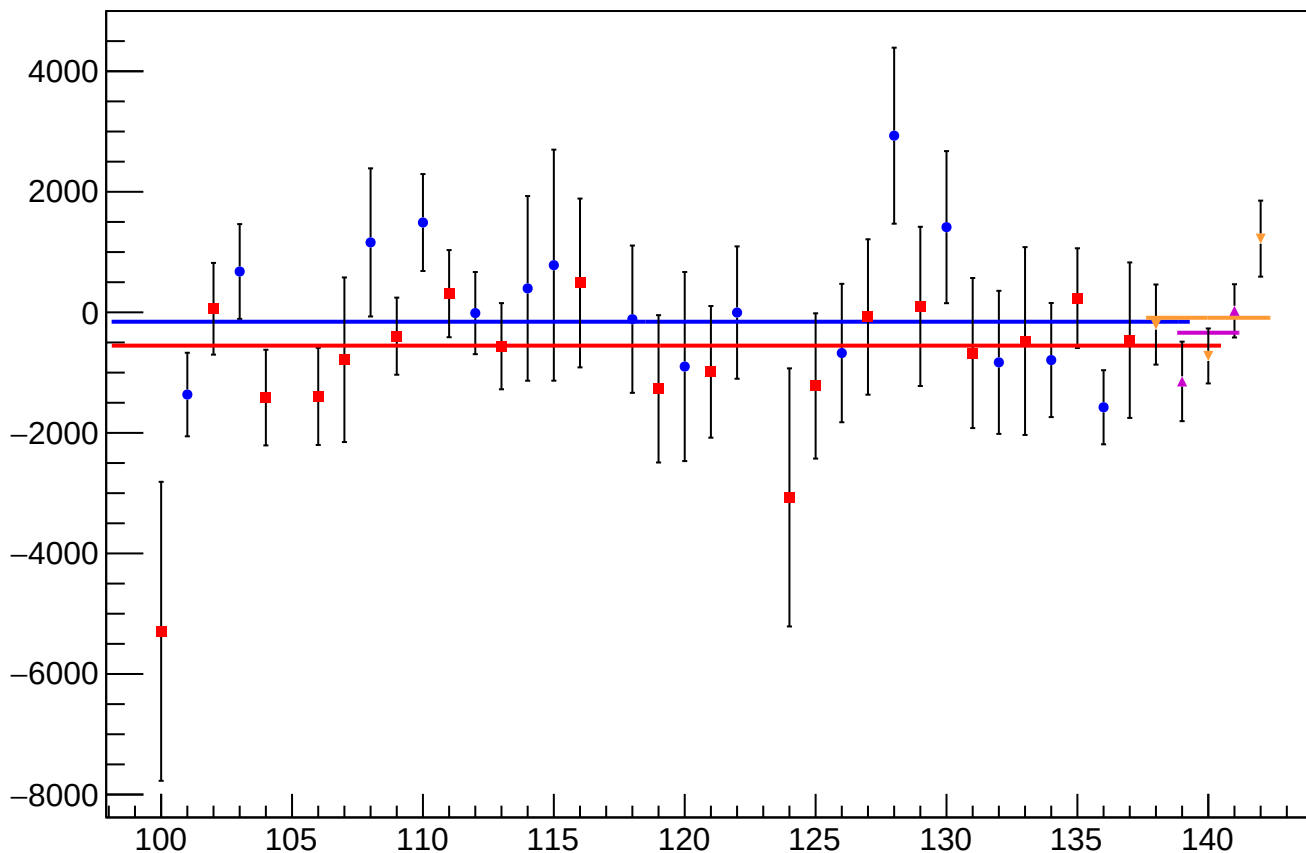
Left In: 478.258 $\pm$ 0.262 χ^2/NDF : 113089.7/1

+ sign 571.424 $\pm$ 0.138 χ^2/NDF : 1200765.8/18

All: 571.296 $\pm$ 0.098 χ^2/NDF : 2381407.3/39

- sign 571.167 $\pm$ 0.138 χ^2/NDF : 1180639.8/20

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651 ± 242.595 χ^2/NDF : 22.5/15

Left Out: -90.054 ± 322.986 χ^2/NDF : 6.3/2

Right Out: -552.176 ± 228.890 χ^2/NDF : 12.1/18

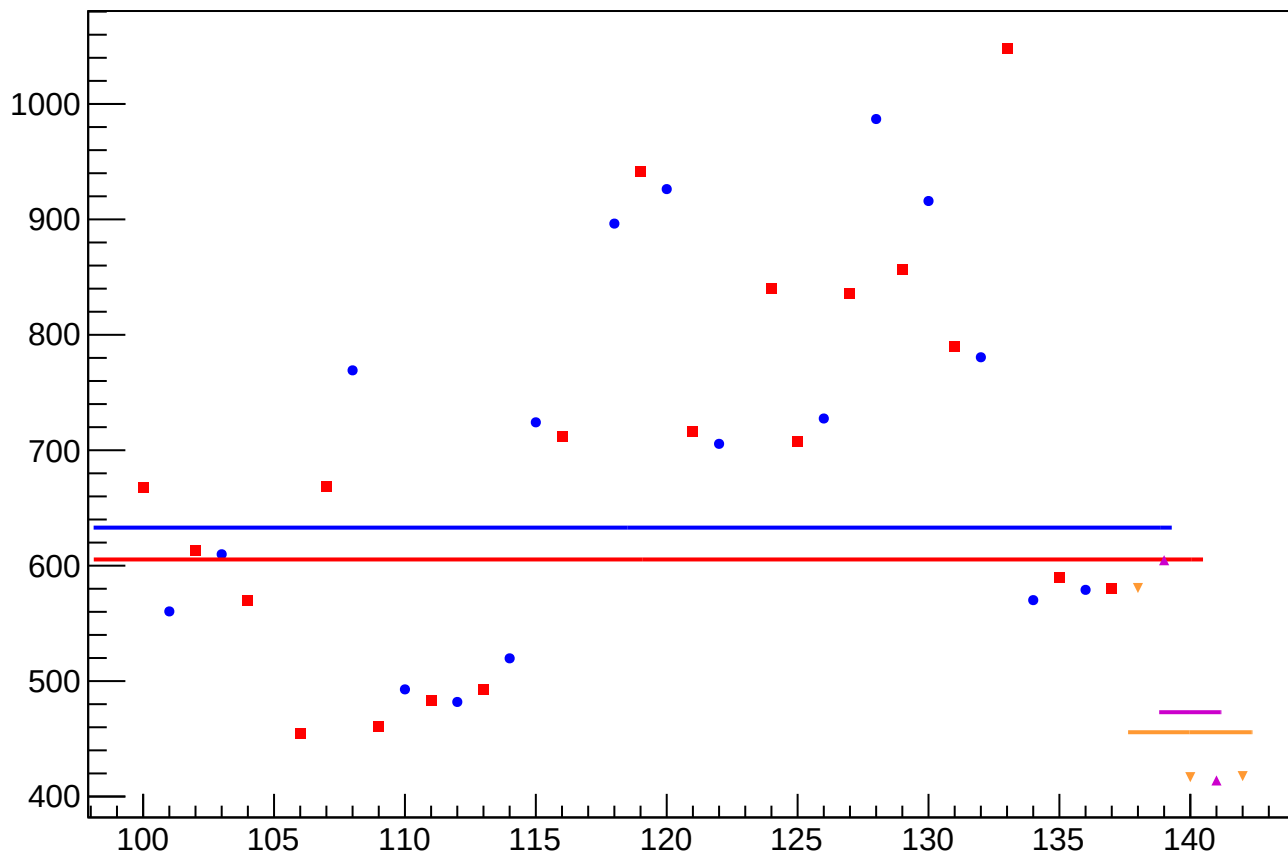
Left In: -338.083 ± 367.114 χ^2/NDF : 2.2/1

+ sign -131.992 ± 193.974 χ^2/NDF : 28.8/18

All: -311.881 ± 137.251 χ^2/NDF : 45.1/39

- sign -492.247 ± 194.231 χ^2/NDF : 14.5/20

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966 $\pm$ 0.172 χ^2 /NDF: 681138.4/15

Left Out: 455.700 $\pm$ 0.228 χ^2 /NDF: 92539.9/2

Right Out: 605.373 $\pm$ 0.162 χ^2 /NDF: 853994.0/18

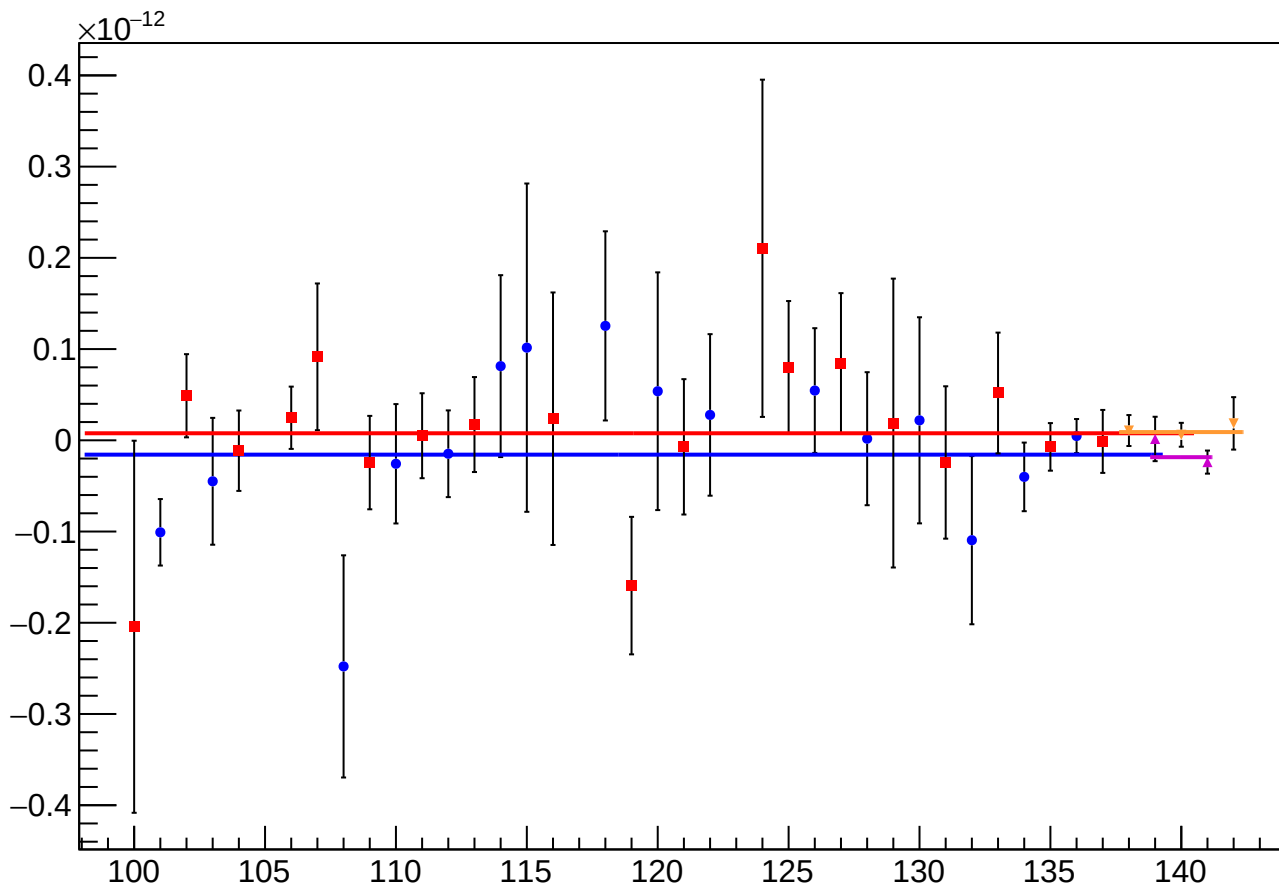
Left In: 473.050 $\pm$ 0.260 χ^2 /NDF: 115514.1/1

+ sign 569.031 $\pm$ 0.137 χ^2 /NDF: 1158833.7/18

All: 568.683 $\pm$ 0.097 χ^2 /NDF: 2315456.8/39

- sign 568.334 $\pm$ 0.137 χ^2 /NDF: 1156610.2/20

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 16.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.2/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.0/18

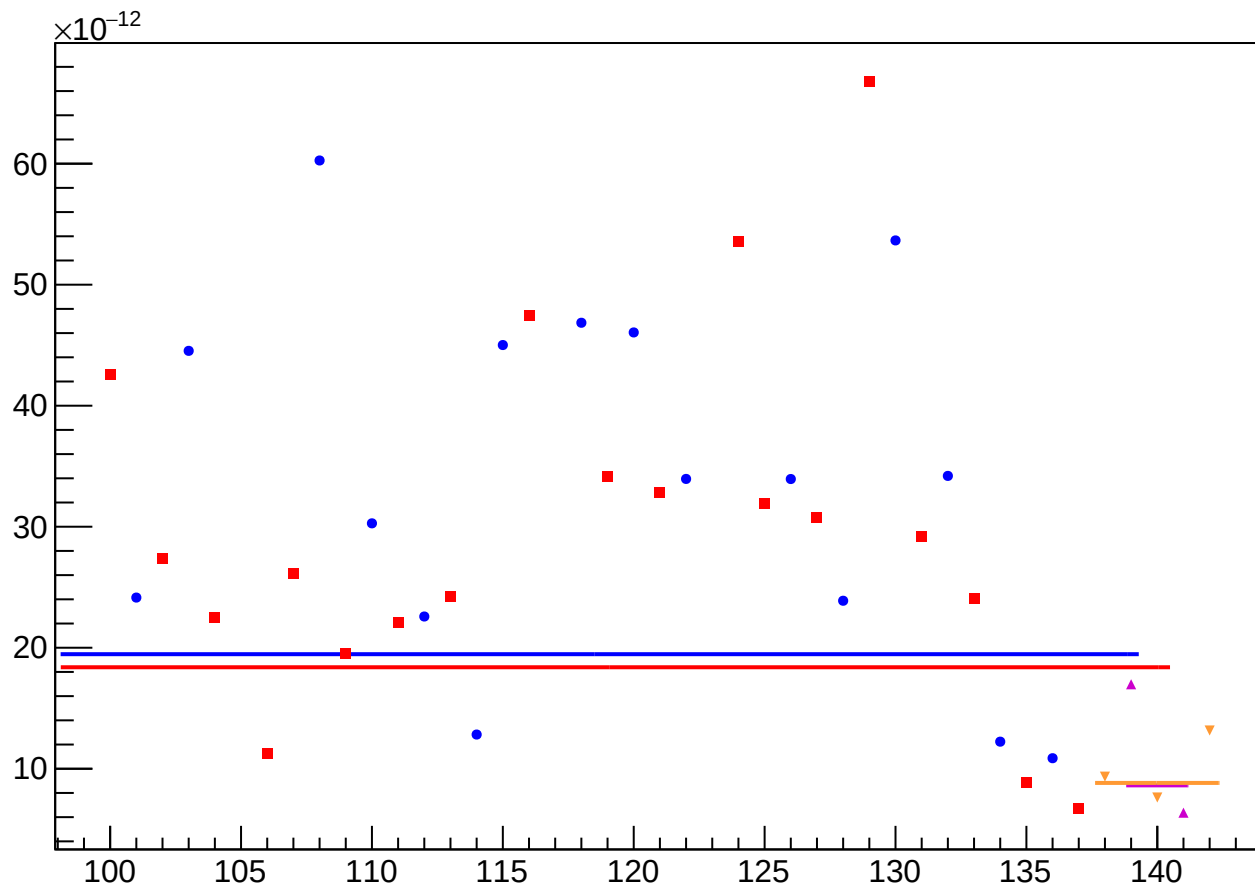
Left In: -0.000 ± 0.000 χ^2/NDF : 0.9/1

+ sign -0.000 ± 0.000 χ^2/NDF : 19.5/18

All: -0.000 ± 0.000 χ^2/NDF : 36.1/39

- sign -0.000 ± 0.000 χ^2/NDF : 16.3/20

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 : 64256.3/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1444777.6/18

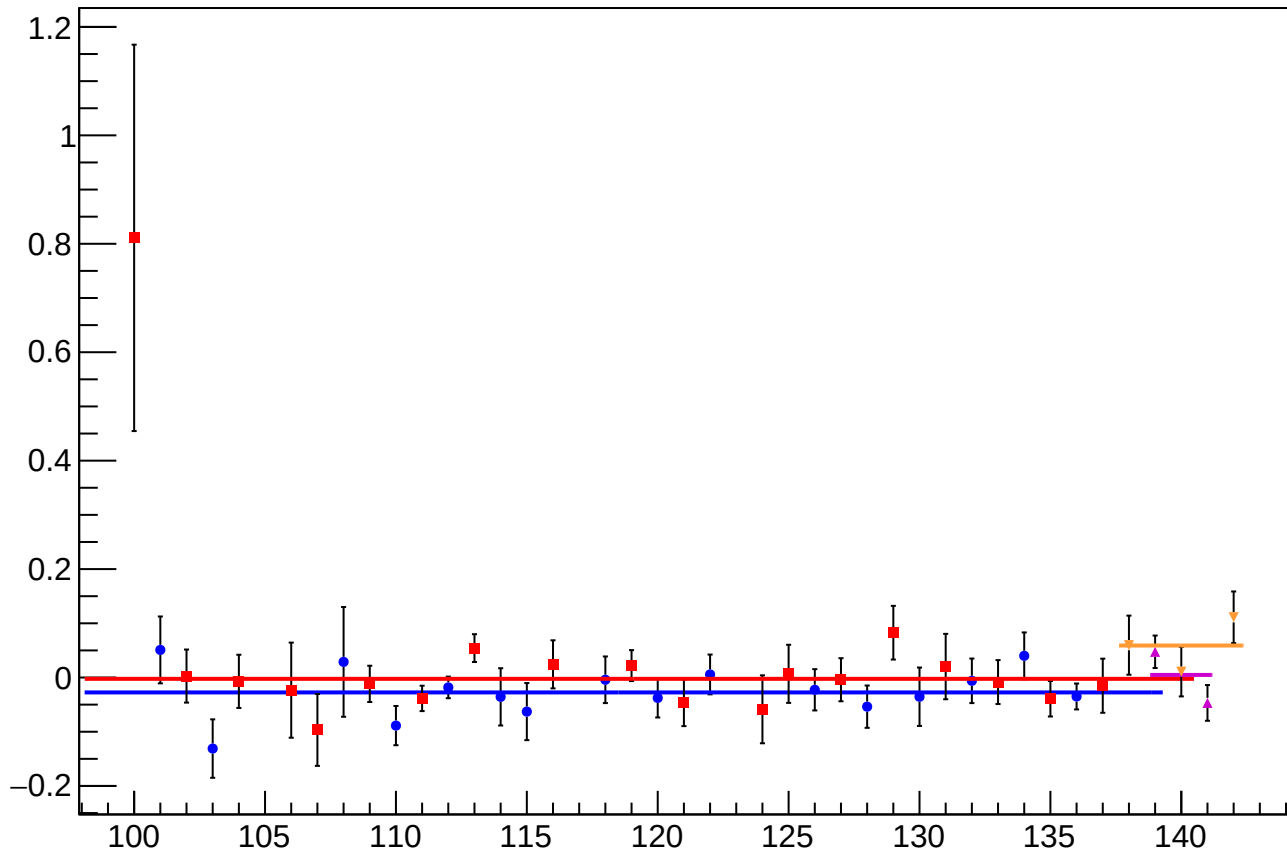
Left In: 0.000+/-0.000 χ^2/NDF : 299386.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 2690985.8/18

All: 0.000+/-0.000 χ^2/NDF : 5132078.8/39

- sign 0.000+/-0.000 χ^2/NDF : 2439589.2/20

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: 0.059 ± 0.028 χ^2/NDF : 2.3/2

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

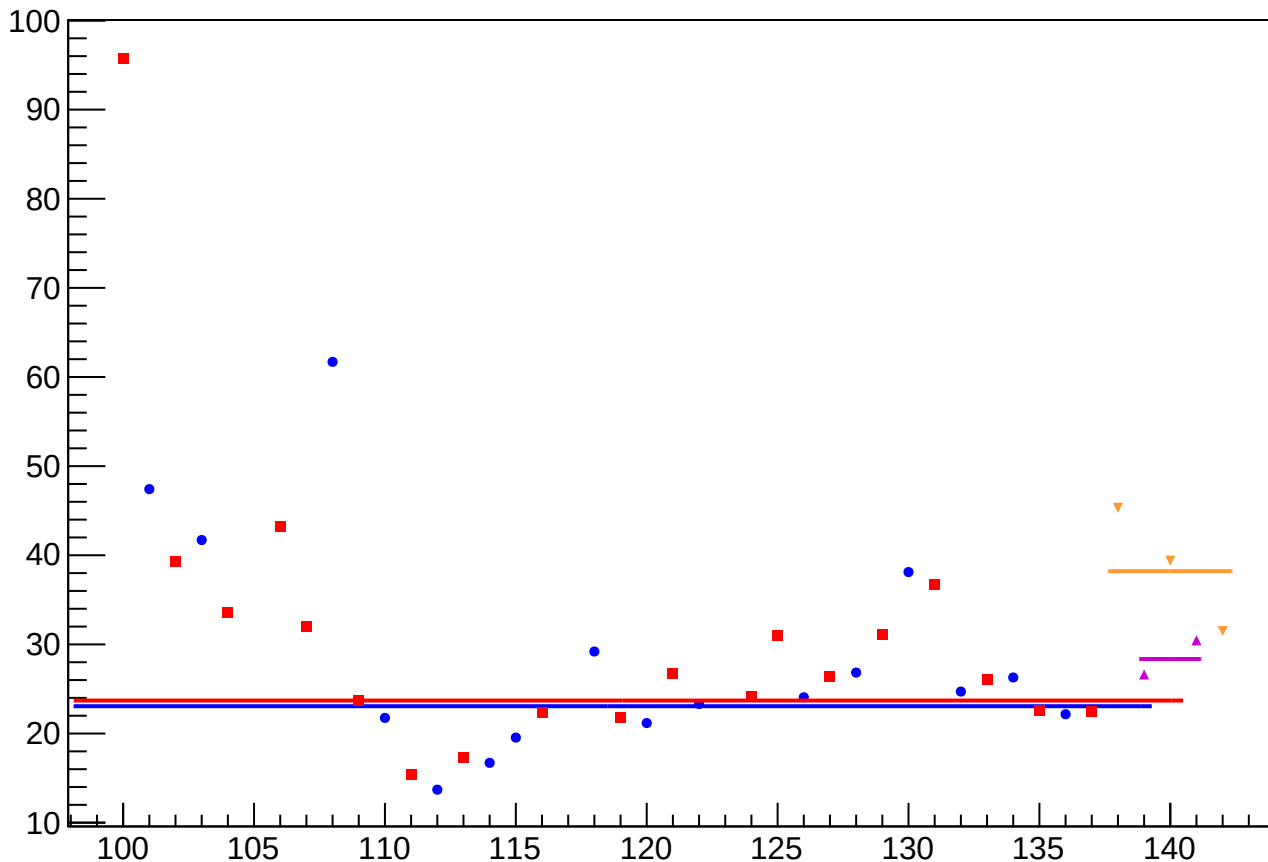
Left In: 0.005 ± 0.022 χ^2/NDF : 4.5/1

+ sign -0.019 ± 0.009 χ^2/NDF : 24.5/18

All: -0.010 ± 0.006 χ^2/NDF : 53.1/39

- sign -0.001 ± 0.009 χ^2/NDF : 26.7/20

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066 $\pm$ 0.007 χ^2 /NDF: 1564478.6/15

Left Out: 38.212 $\pm$ 0.020 χ^2 /NDF: 75253.8/2

Right Out: 23.702 $\pm$ 0.007 χ^2 /NDF: 1088494.2/18

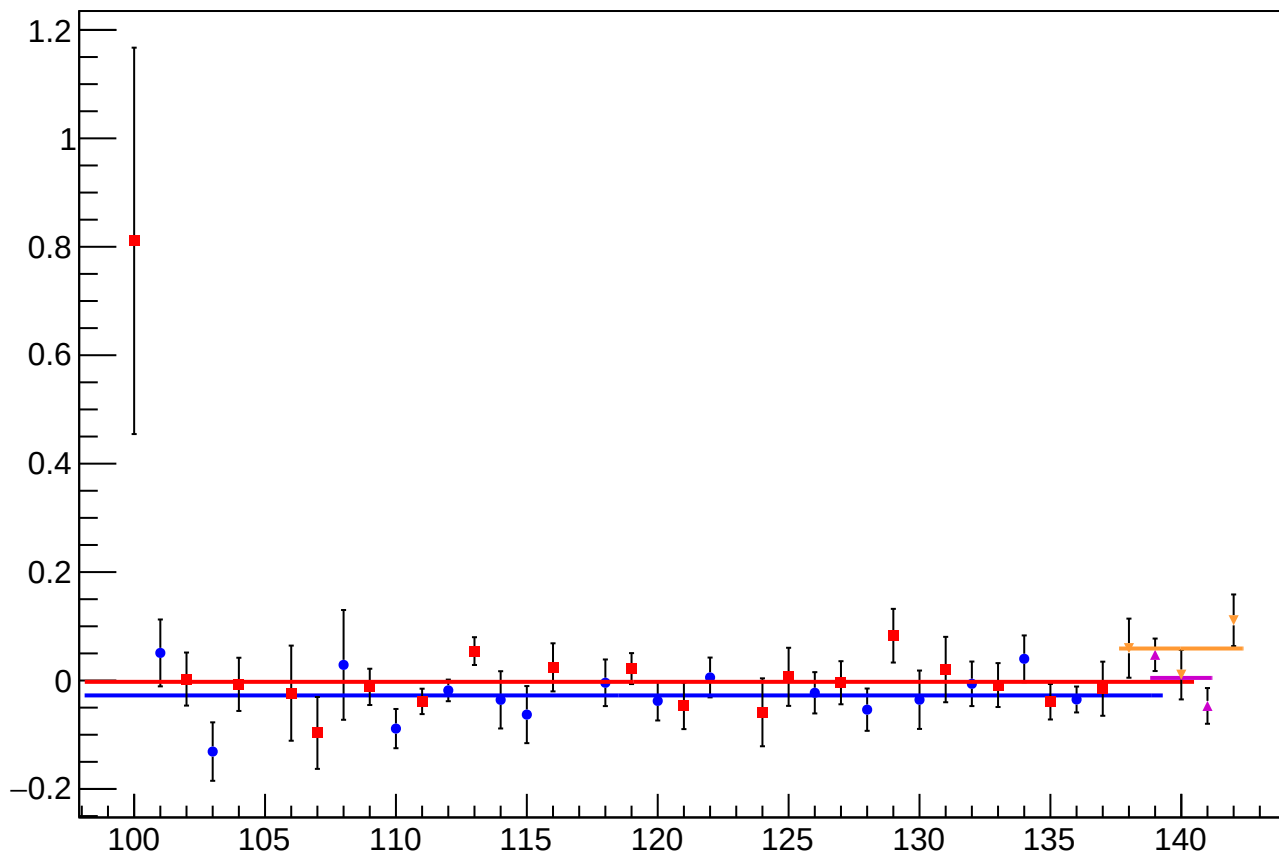
Left In: 28.362 $\pm$ 0.016 χ^2 /NDF: 14757.4/1

+ sign 24.579 $\pm$ 0.006 χ^2 /NDF: 2159366.7/18

All: 24.486 $\pm$ 0.004 χ^2 /NDF: 3338259.3/39

- sign 24.399 $\pm$ 0.006 χ^2 /NDF: 1178467.2/20

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: 0.059 ± 0.028 χ^2/NDF : 2.3/2

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

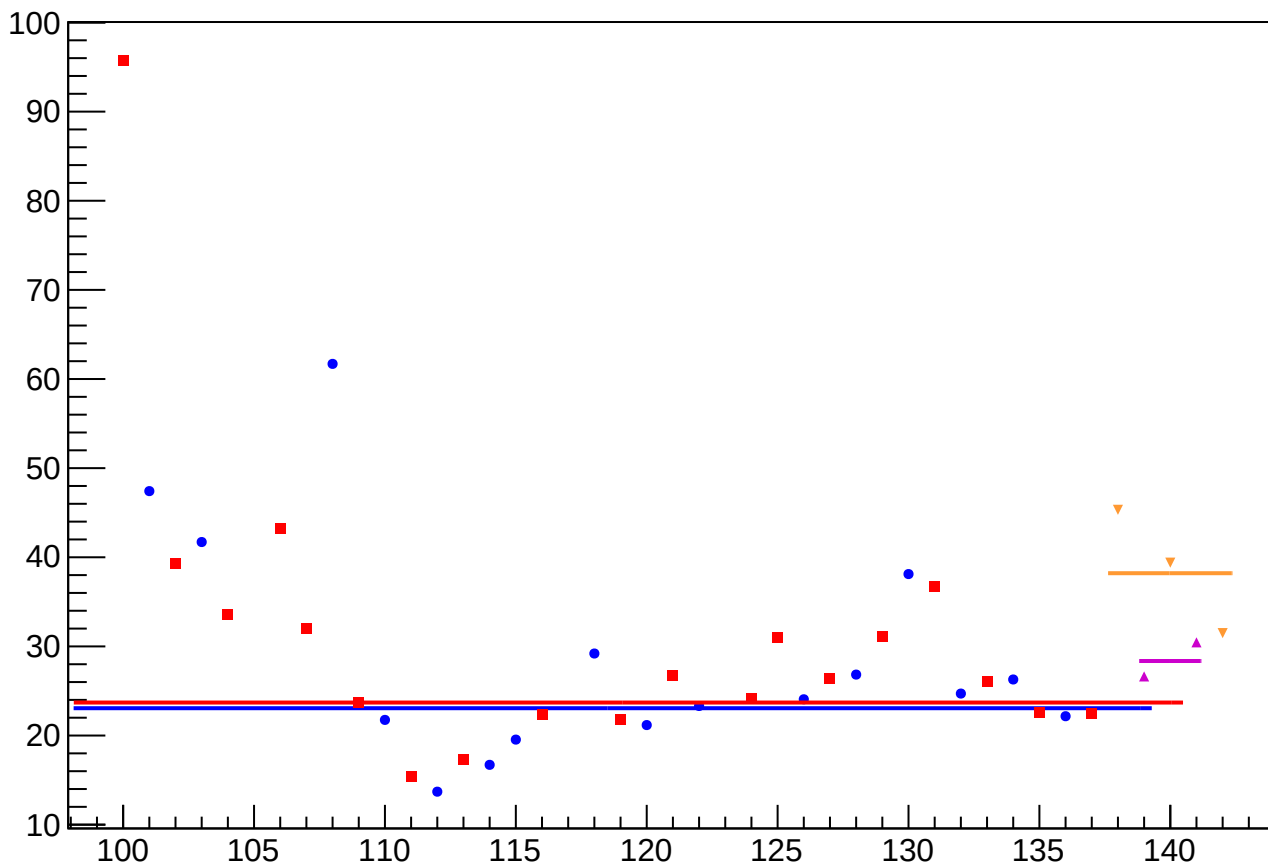
Left In: 0.005 ± 0.022 χ^2/NDF : 4.5/1

+ sign -0.019 ± 0.009 χ^2/NDF : 24.5/18

All: -0.010 ± 0.006 χ^2/NDF : 53.1/39

- sign -0.001 ± 0.009 χ^2/NDF : 26.7/20

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF : 1564478.6/15

Left Out: 38.212+/-0.020 χ^2/NDF : 75253.8/2

Right Out: 23.702+/-0.007 χ^2/NDF : 1088494.2/18

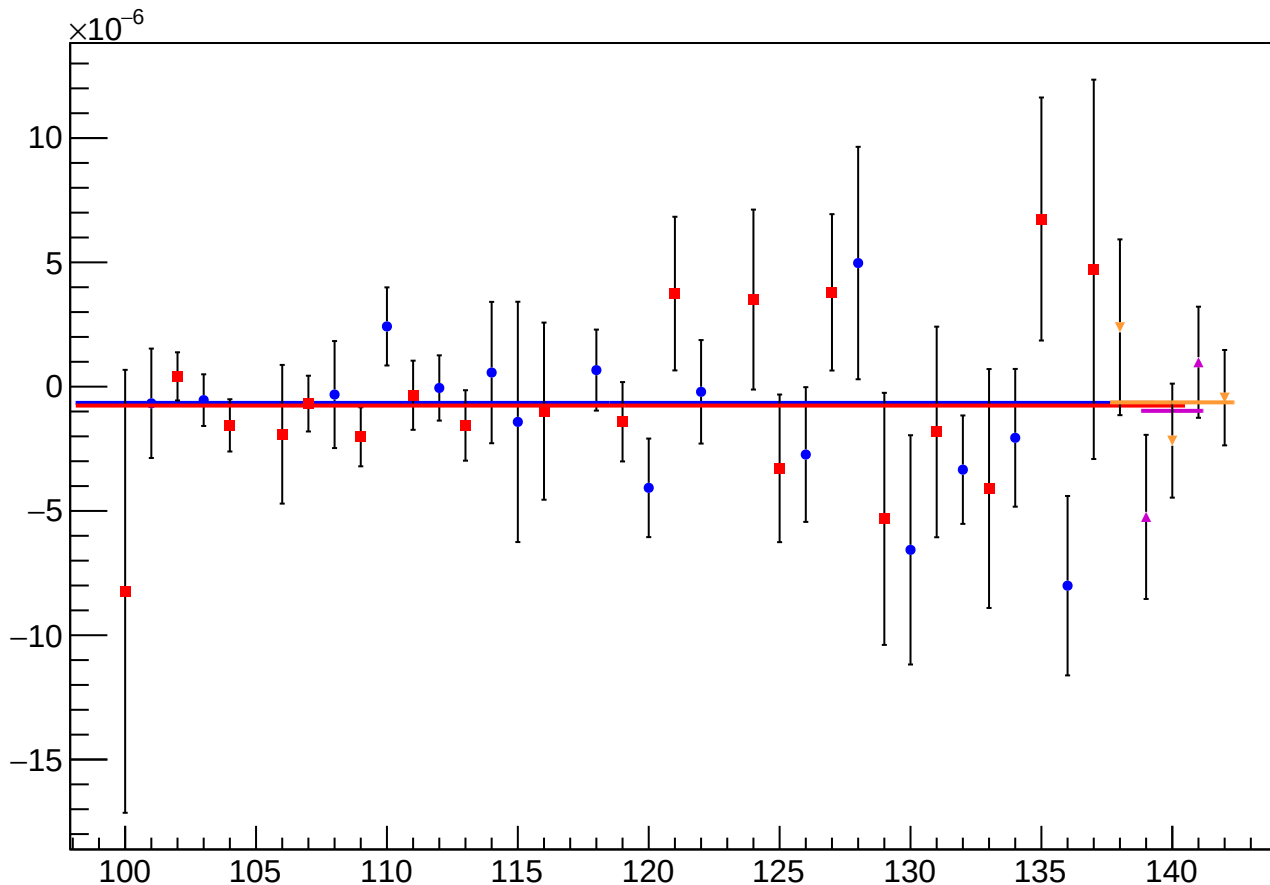
Left In: 28.362+/-0.016 χ^2/NDF : 14757.4/1

+ sign 24.579+/-0.006 χ^2/NDF : 2159366.7/18

All: 24.486+/-0.004 χ^2/NDF : 3338259.3/39

- sign 24.399+/-0.006 χ^2/NDF : 1178467.2/20

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.6/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 1.2/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.2/18

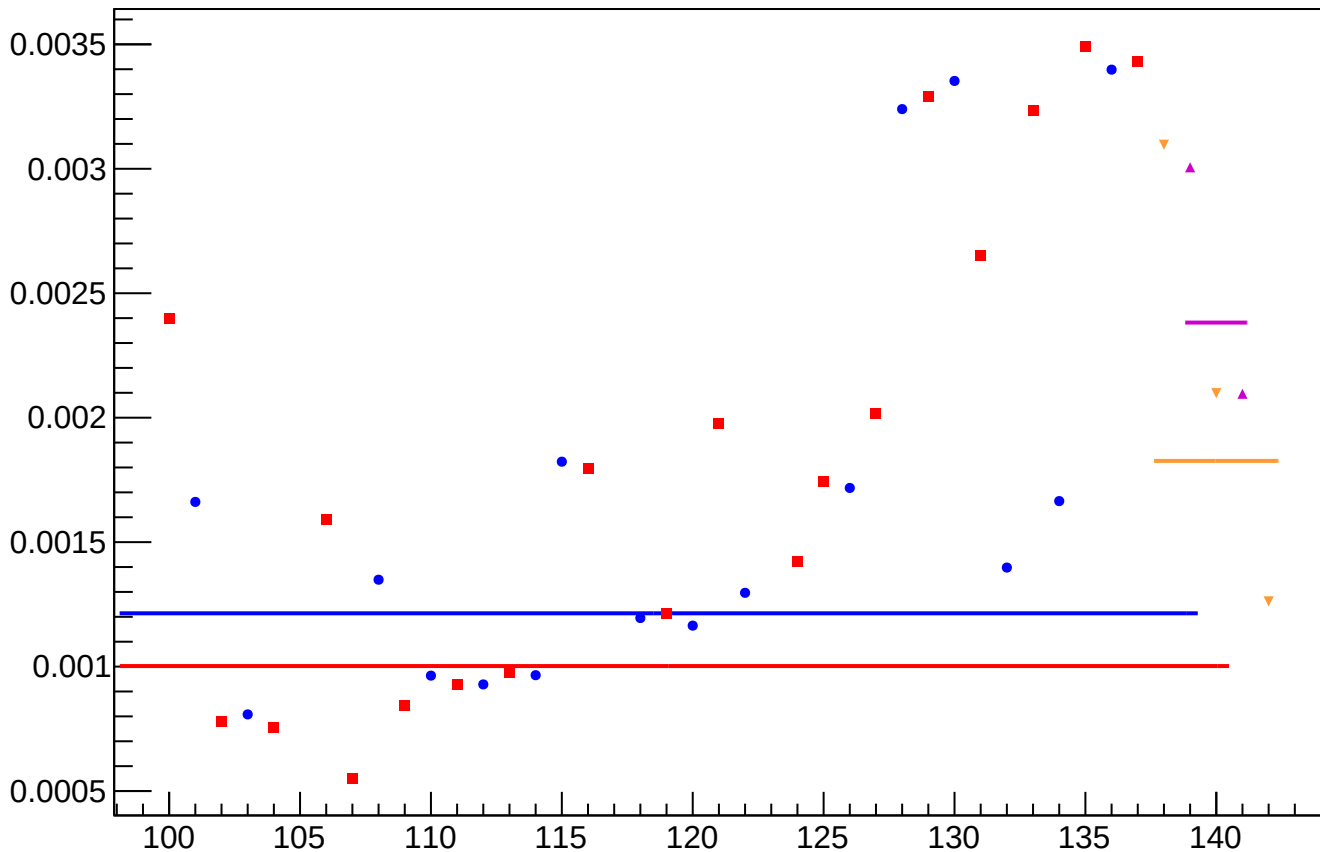
Left In: -0.000 ± 0.000 χ^2/NDF : 2.4/1

+ sign -0.000 ± 0.000 χ^2/NDF : 18.8/18

All: -0.000 ± 0.000 χ^2/NDF : 36.4/39

- sign -0.000 ± 0.000 χ^2/NDF : 17.6/20

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: 0.002+/-0.000 χ^2/NDF : 459381.4/2

Right Out: 0.001+/-0.000 χ^2/NDF : 3277225.7/18

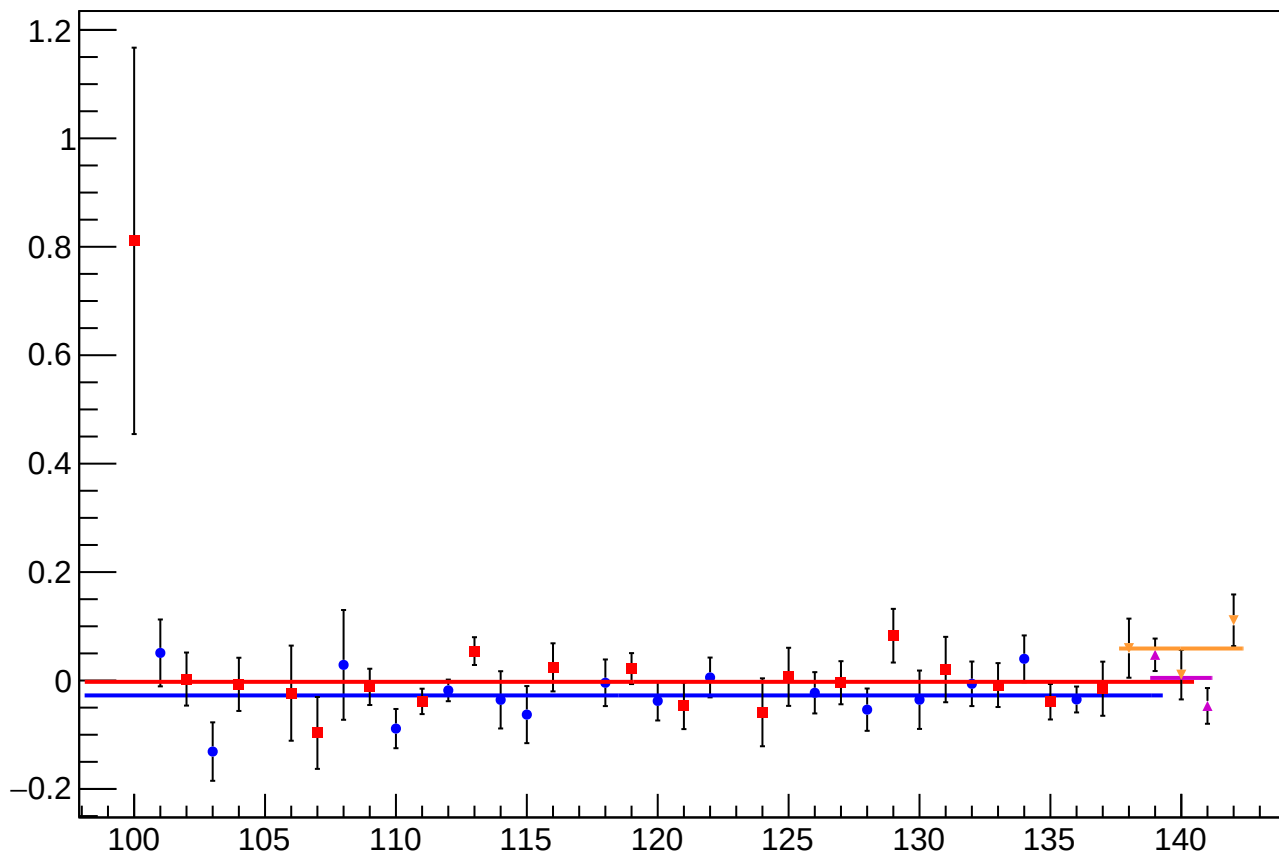
Left In: 0.002+/-0.000 χ^2/NDF : 104158.2/1

+ sign 0.001+/-0.000 χ^2/NDF : 3084737.7/18

All: 0.001+/-0.000 χ^2/NDF : 7768288.5/39

- sign 0.001+/-0.000 χ^2/NDF : 4438938.8/20

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: 0.059 ± 0.028 χ^2/NDF : 2.3/2

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

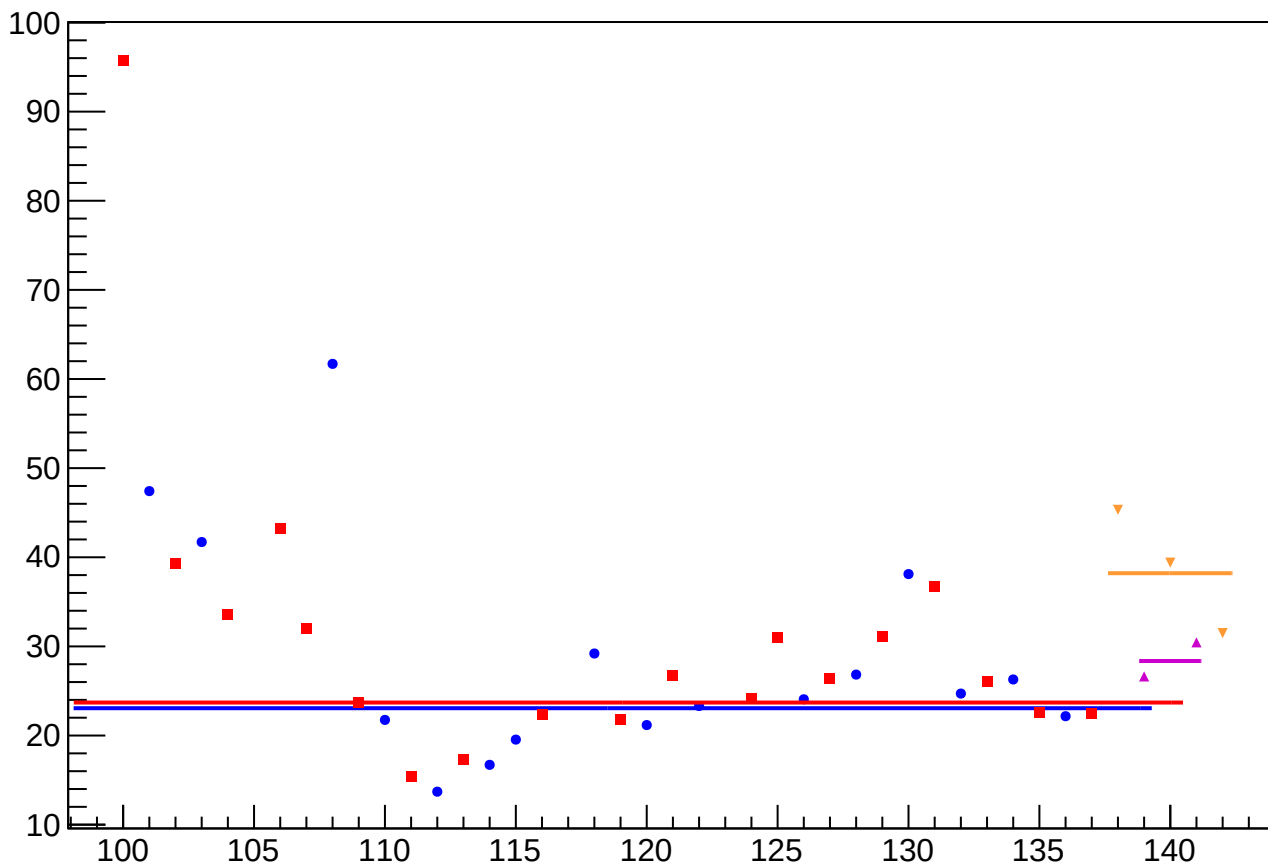
Left In: 0.005 ± 0.022 χ^2/NDF : 4.5/1

+ sign -0.019 ± 0.009 χ^2/NDF : 24.5/18

All: -0.010 ± 0.006 χ^2/NDF : 53.1/39

- sign -0.001 ± 0.009 χ^2/NDF : 26.7/20

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: 38.212 $\pm$ 0.020 χ^2 /NDF: 75242.9/2

Right Out: 23.702 $\pm$ 0.007 χ^2 /NDF: 1088531.8/18

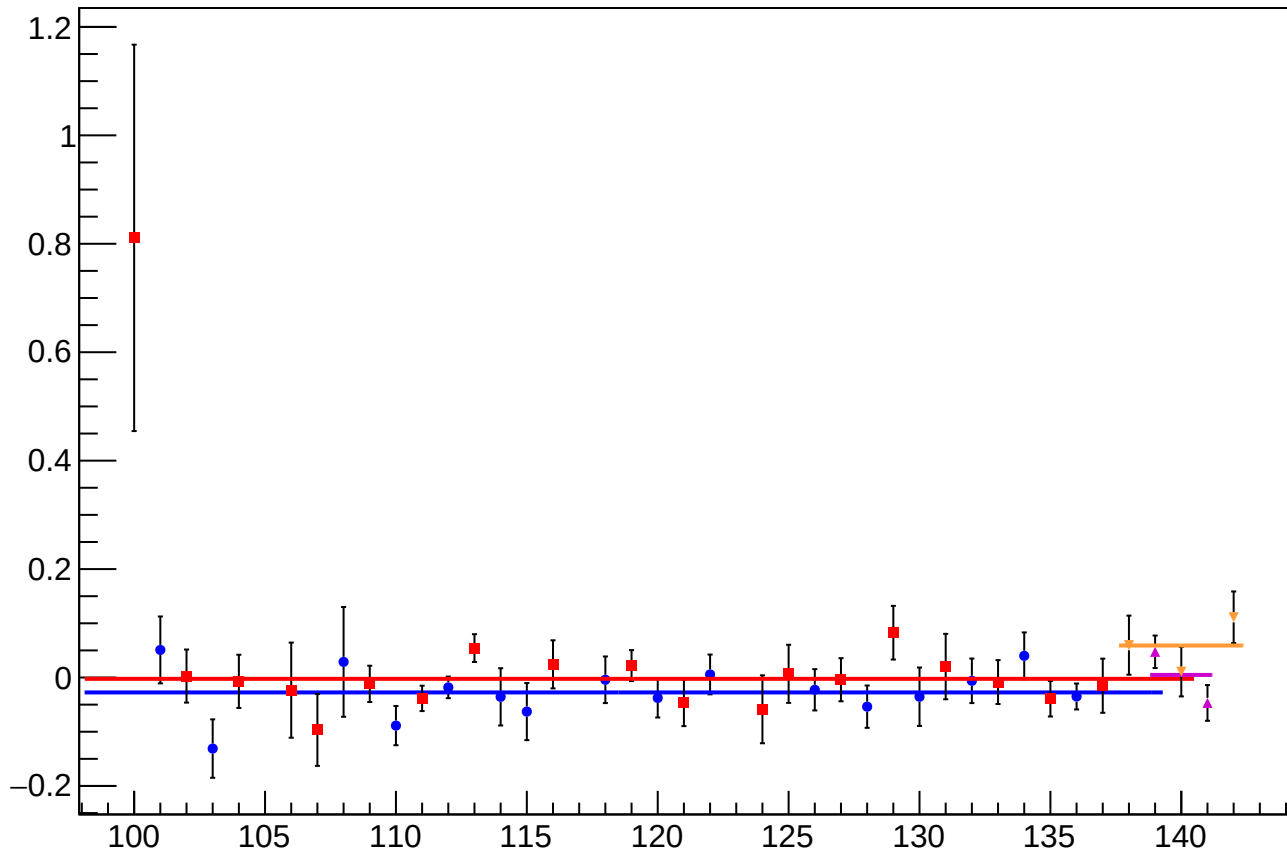
Left In: 28.362 $\pm$ 0.016 χ^2 /NDF: 14765.0/1

+ sign 24.579 $\pm$ 0.006 χ^2 /NDF: 2159378.4/18

All: 24.485 $\pm$ 0.004 χ^2 /NDF: 3338309.0/39

- sign 24.399 $\pm$ 0.006 χ^2 /NDF: 1178504.8/20

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: 0.059 ± 0.028 χ^2/NDF : 2.3/2

Right Out: -0.002 ± 0.009 χ^2/NDF : 22.1/18

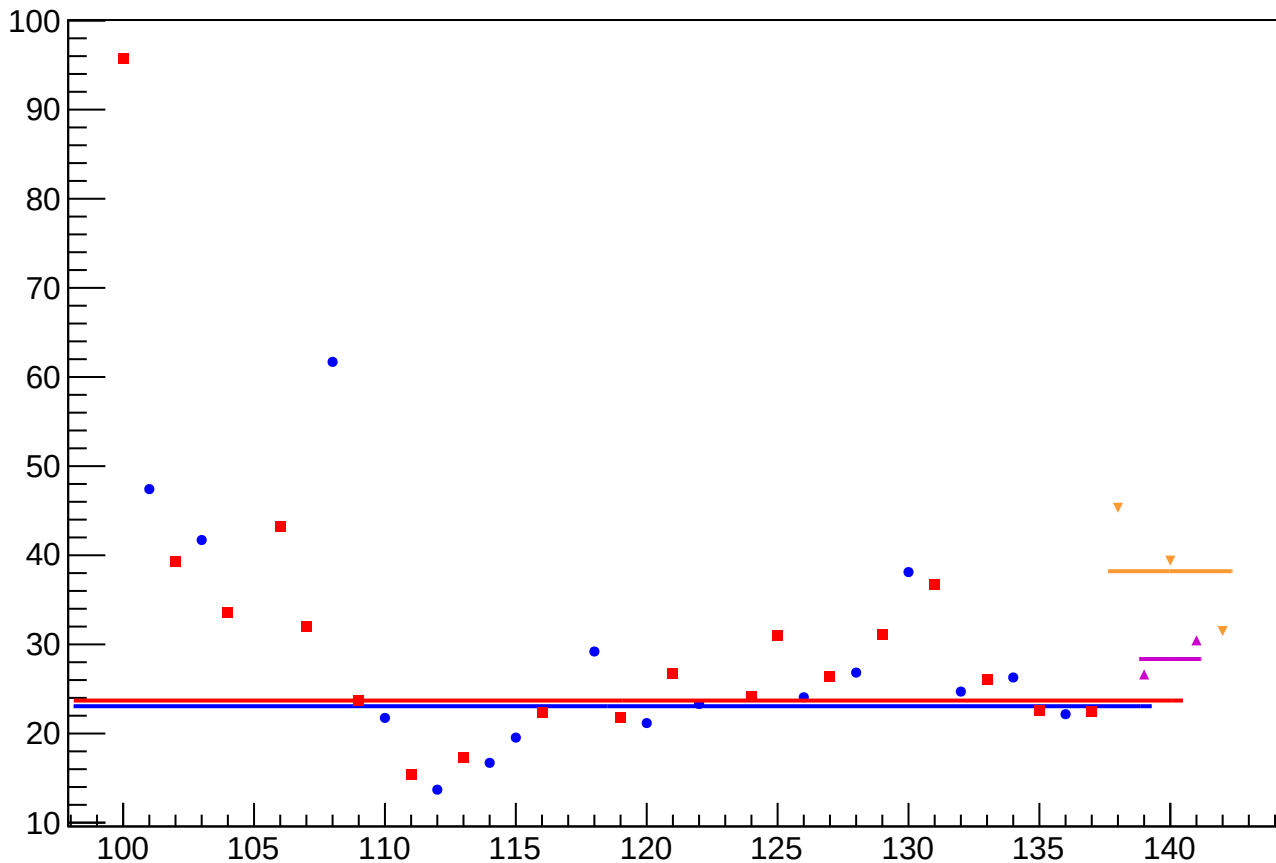
Left In: 0.005 ± 0.022 χ^2/NDF : 4.5/1

+ sign -0.019 ± 0.009 χ^2/NDF : 24.5/18

All: -0.010 ± 0.006 χ^2/NDF : 53.1/39

- sign -0.001 ± 0.009 χ^2/NDF : 26.7/20

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.065 $\pm$ 0.007 χ^2 /NDF: 1564493.0/15

Left Out: 38.212 $\pm$ 0.020 χ^2 /NDF: 75242.9/2

Right Out: 23.702 $\pm$ 0.007 χ^2 /NDF: 1088531.8/18

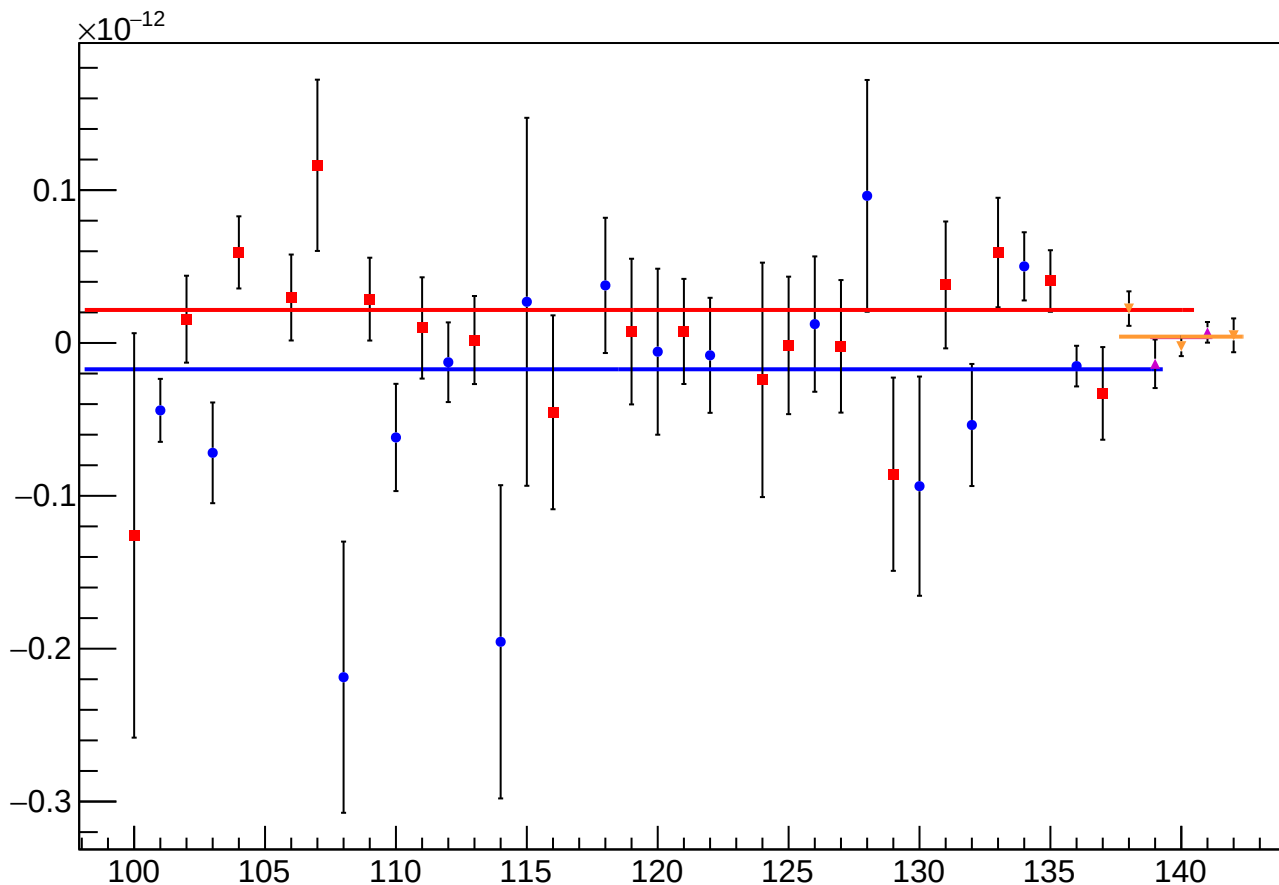
Left In: 28.362 $\pm$ 0.016 χ^2 /NDF: 14765.0/1

+ sign 24.579 $\pm$ 0.006 χ^2 /NDF: 2159378.4/18

All: 24.485 $\pm$ 0.004 χ^2 /NDF: 3338309.0/39

- sign 24.399 $\pm$ 0.006 χ^2 /NDF: 1178504.8/20

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 29.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3.6/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/18

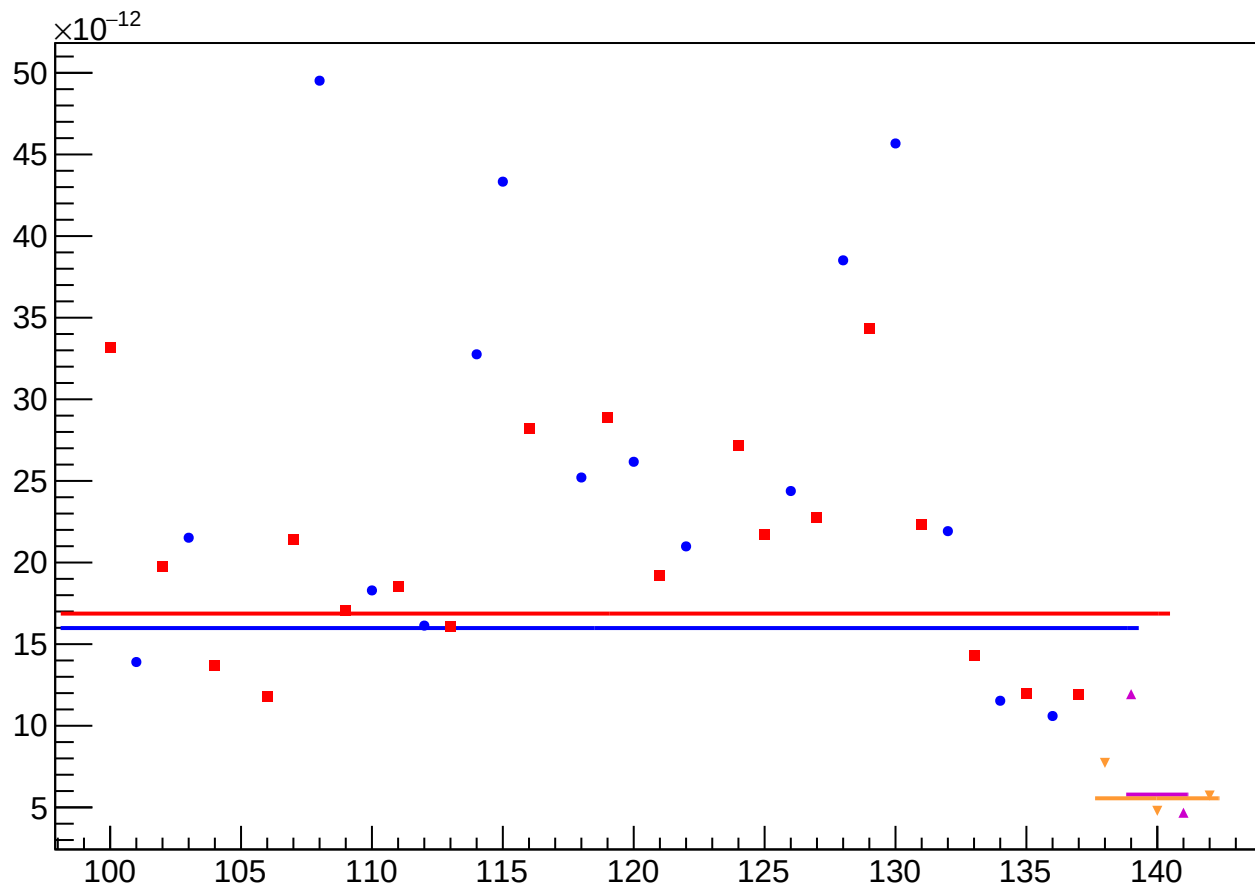
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 38.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 65.3/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.6/20

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 : 102770.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 835680.3/18

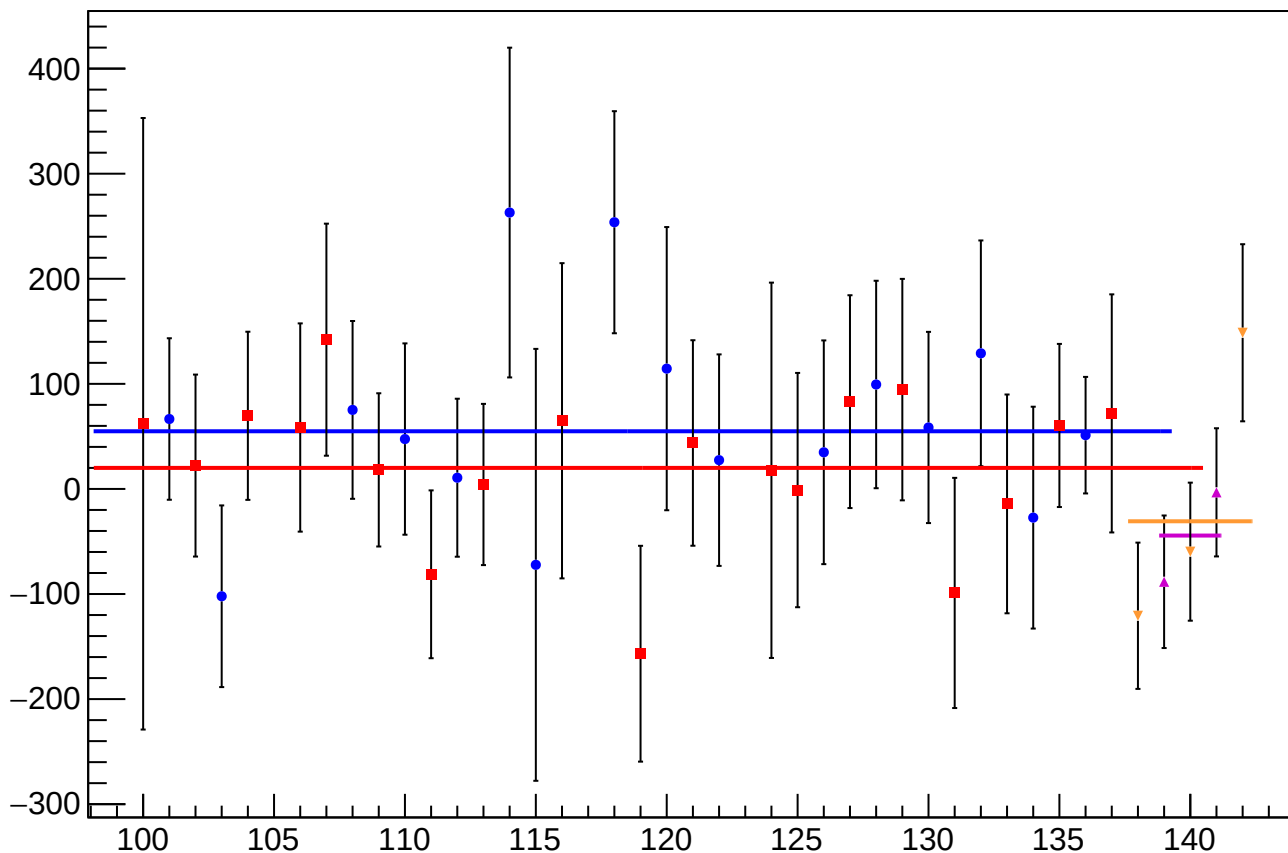
Left In: 0.000+/-0.000 χ^2/NDF : 354073.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 4419775.2/18

All: 0.000+/-0.000 χ^2/NDF : 8143827.4/39

- sign 0.000+/-0.000 χ^2/NDF : 3627078.0/20

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883 ± 23.179 $\chi^2/\text{NDF}: 11.0/15$

Left Out: -30.781 ± 41.560 $\chi^2/\text{NDF}: 6.4/2$

Right Out: 20.020 ± 22.571 $\chi^2/\text{NDF}: 9.2/18$

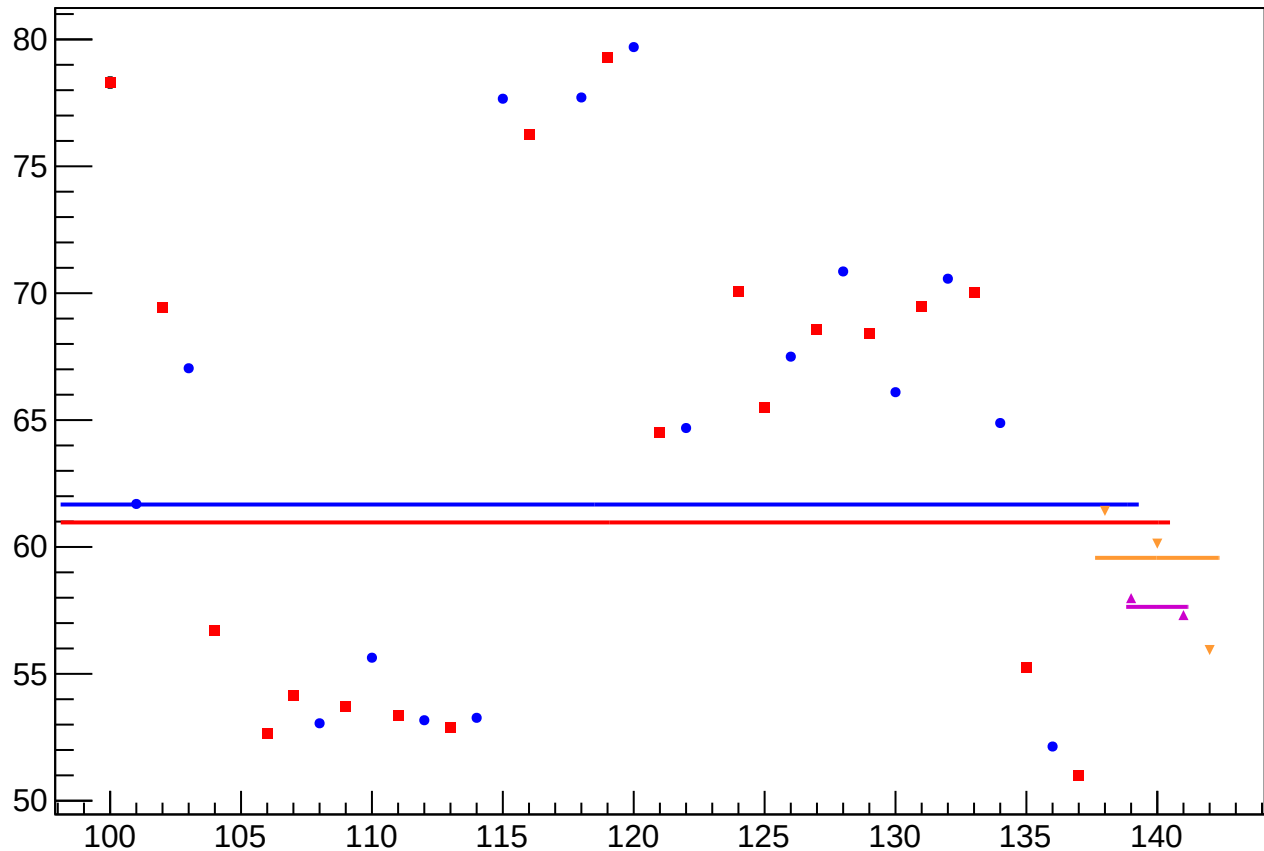
Left In: -44.365 ± 43.841 $\chi^2/\text{NDF}: 0.9/1$

+ sign 34.559 ± 20.243 $\chi^2/\text{NDF}: 20.7/18$

All: 20.422 ± 14.252 $\chi^2/\text{NDF}: 33.5/39$

- sign 6.530 ± 20.068 $\chi^2/\text{NDF}: 11.9/20$

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673 $\pm$ 0.016 χ^2 /NDF: 267108.1/15

Left Out: 59.572 $\pm$ 0.029 χ^2 /NDF: 5274.8/2

Right Out: 60.967 $\pm$ 0.016 χ^2 /NDF: 284183.4/18

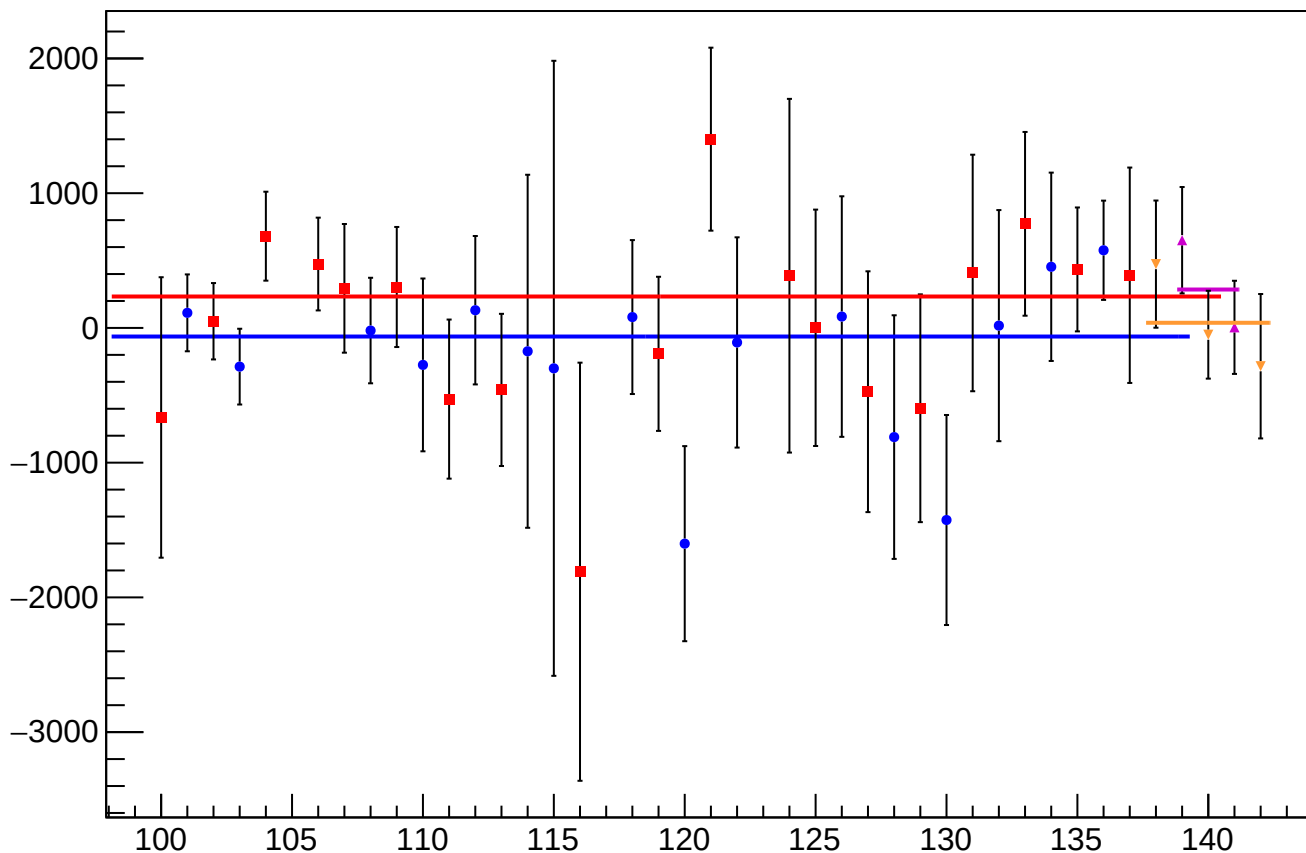
Left In: 57.640 $\pm$ 0.031 χ^2 /NDF: 115.7/1

+ sign 61.174 $\pm$ 0.014 χ^2 /NDF: 276282.8/18

All: 60.718 $\pm$ 0.010 χ^2 /NDF: 571701.5/39

- sign 60.269 $\pm$ 0.014 χ^2 /NDF: 293403.0/20

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: -63.834 ± 129.674 χ^2/NDF : 13.2/15

Left Out: 38.197 ± 239.917 χ^2/NDF : 1.3/2

Right Out: 233.206 ± 122.791 χ^2/NDF : 14.5/18

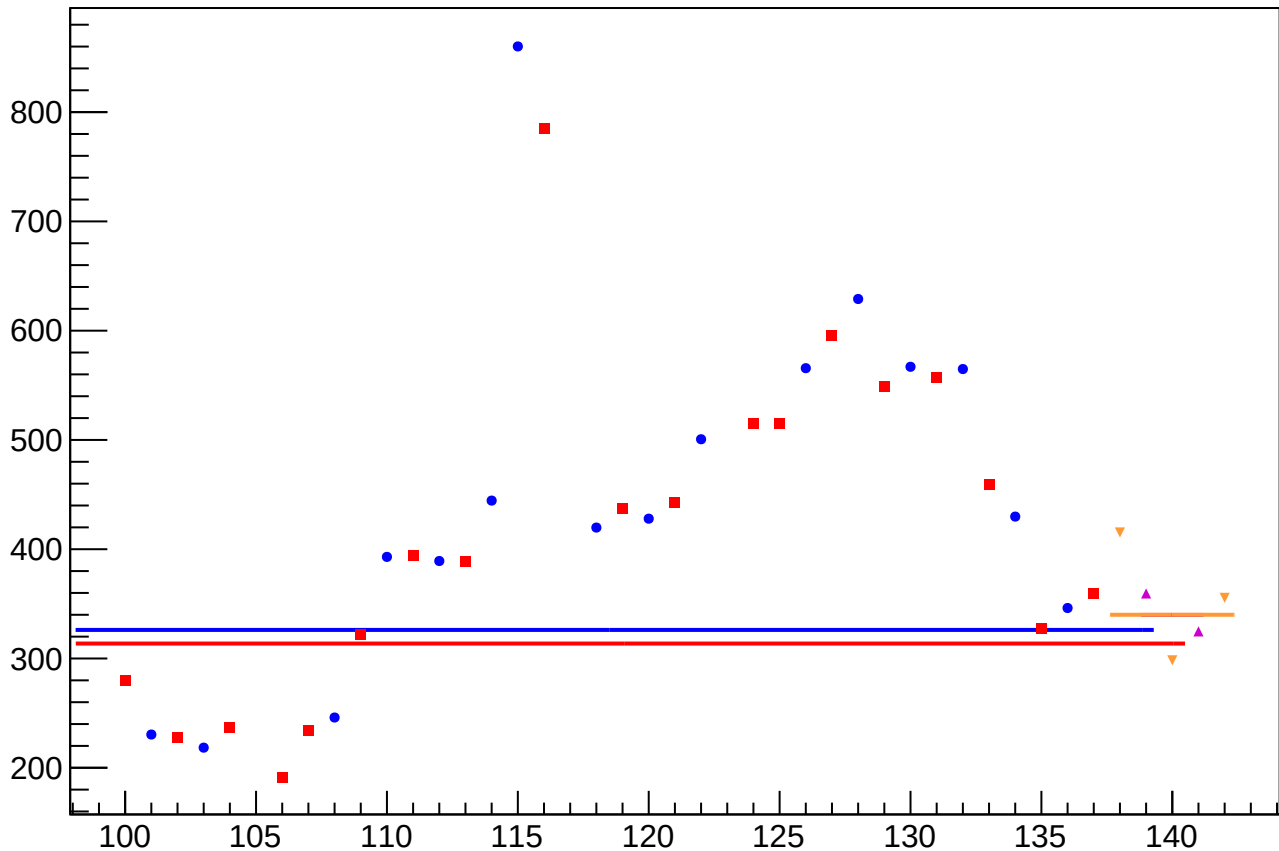
Left In: 285.061 ± 260.051 χ^2/NDF : 1.5/1

+ sign -40.766 ± 114.077 χ^2/NDF : 14.6/18

All: 104.776 ± 79.568 χ^2/NDF : 33.9/39

- sign 242.660 ± 111.035 χ^2/NDF : 16.1/20

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF : 1733995.5/15

Left Out: 340.018+/-0.170 χ^2/NDF : 85285.2/2

Right Out: 313.672+/-0.087 χ^2/NDF : 1787347.3/18

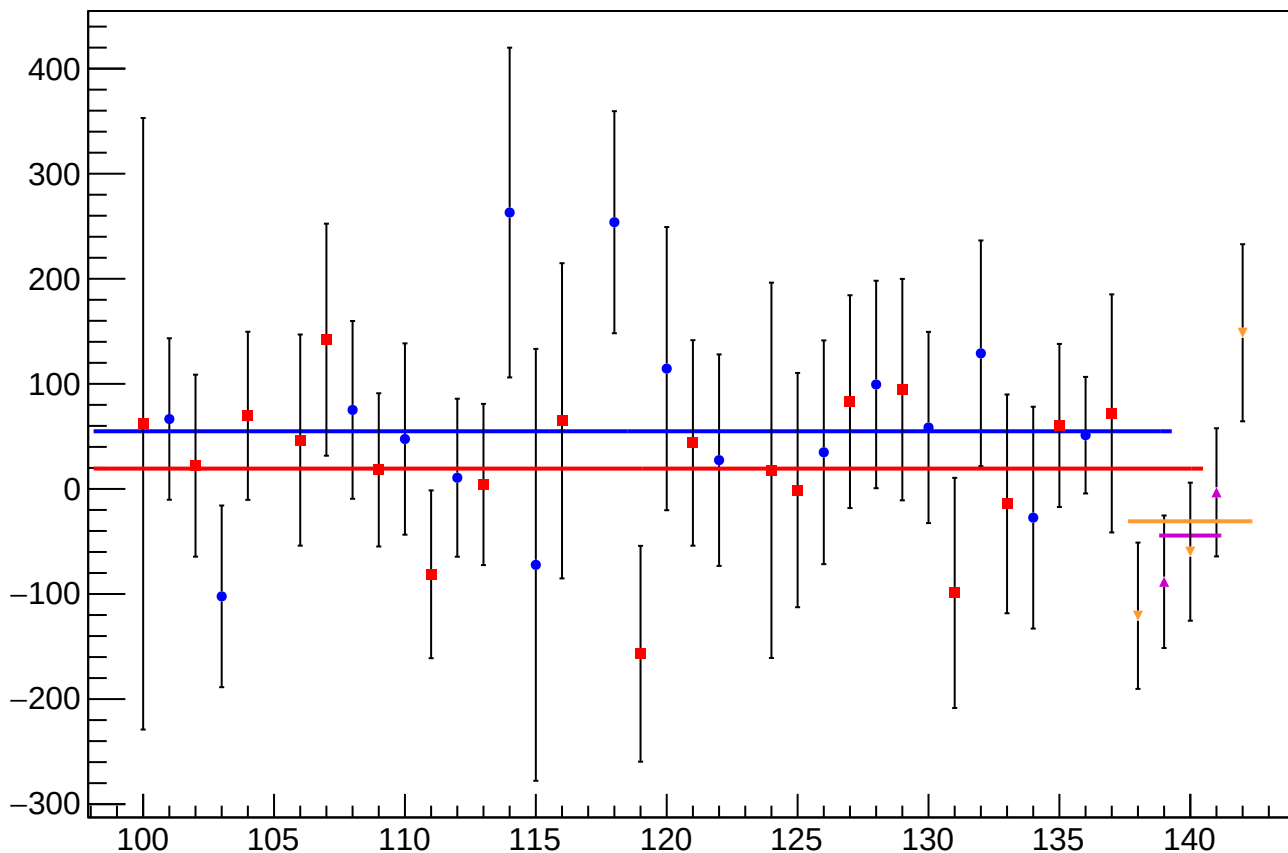
Left In: 339.855+/-0.184 χ^2/NDF : 8752.9/1

+ sign 329.283+/-0.081 χ^2/NDF : 1824454.6/18

All: 323.718+/-0.056 χ^2/NDF : 3646403.0/39

- sign 318.445+/-0.079 χ^2/NDF : 1812678.4/20

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877 $\pm$ 23.179 χ^2 /NDF: 11.0/15

Left Out: -30.784 $\pm$ 41.560 χ^2 /NDF: 6.4/2

Right Out: 19.352 $\pm$ 22.588 χ^2 /NDF: 9.2/18

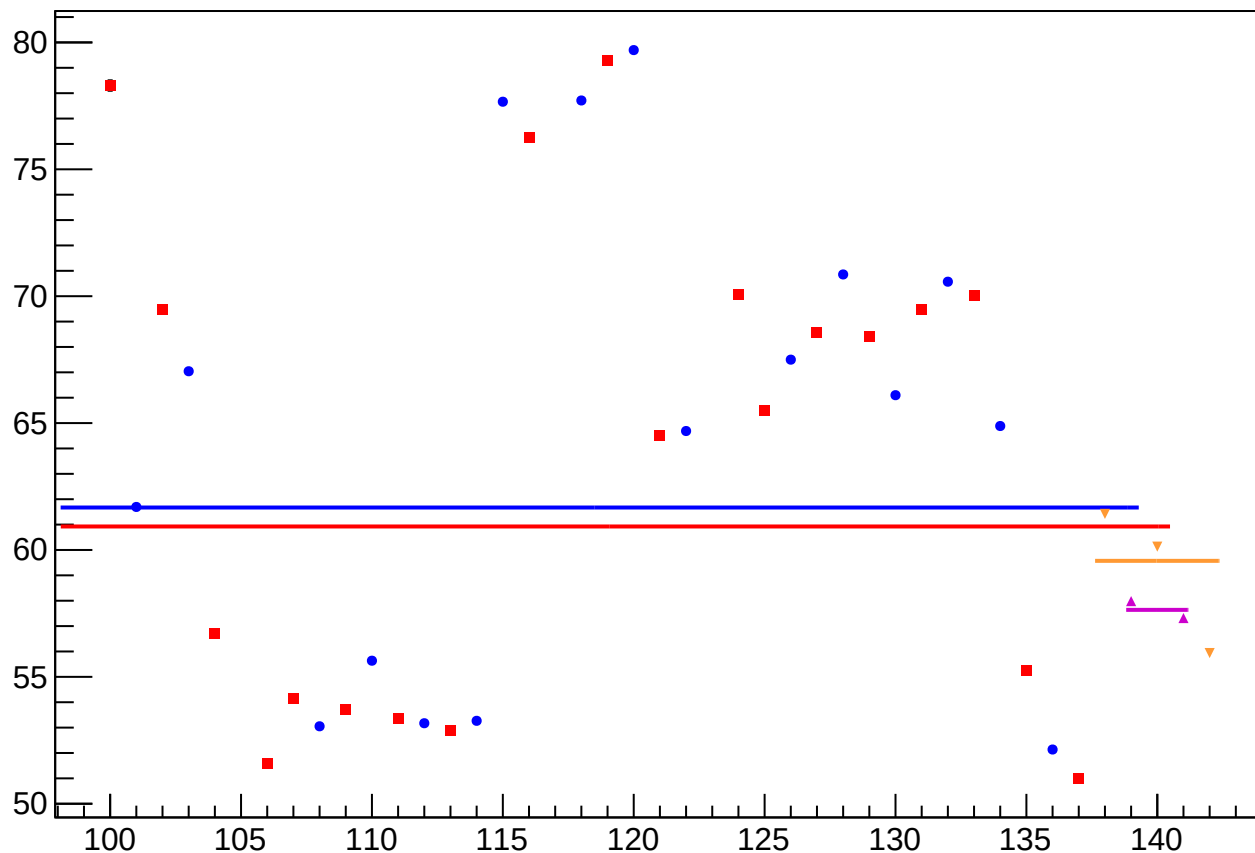
Left In: -44.360 $\pm$ 43.841 χ^2 /NDF: 0.9/1

+ sign 34.554 $\pm$ 20.243 χ^2 /NDF: 20.7/18

All: 20.154 $\pm$ 14.256 χ^2 /NDF: 33.4/39

- sign 5.988 $\pm$ 20.079 χ^2 /NDF: 11.8/20

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673 $\pm$ 0.016 χ^2/NDF : 267108.3/15

Left Out: 59.572 $\pm$ 0.029 χ^2/NDF : 5274.8/2

Right Out: 60.926 $\pm$ 0.016 χ^2/NDF : 287579.6/18

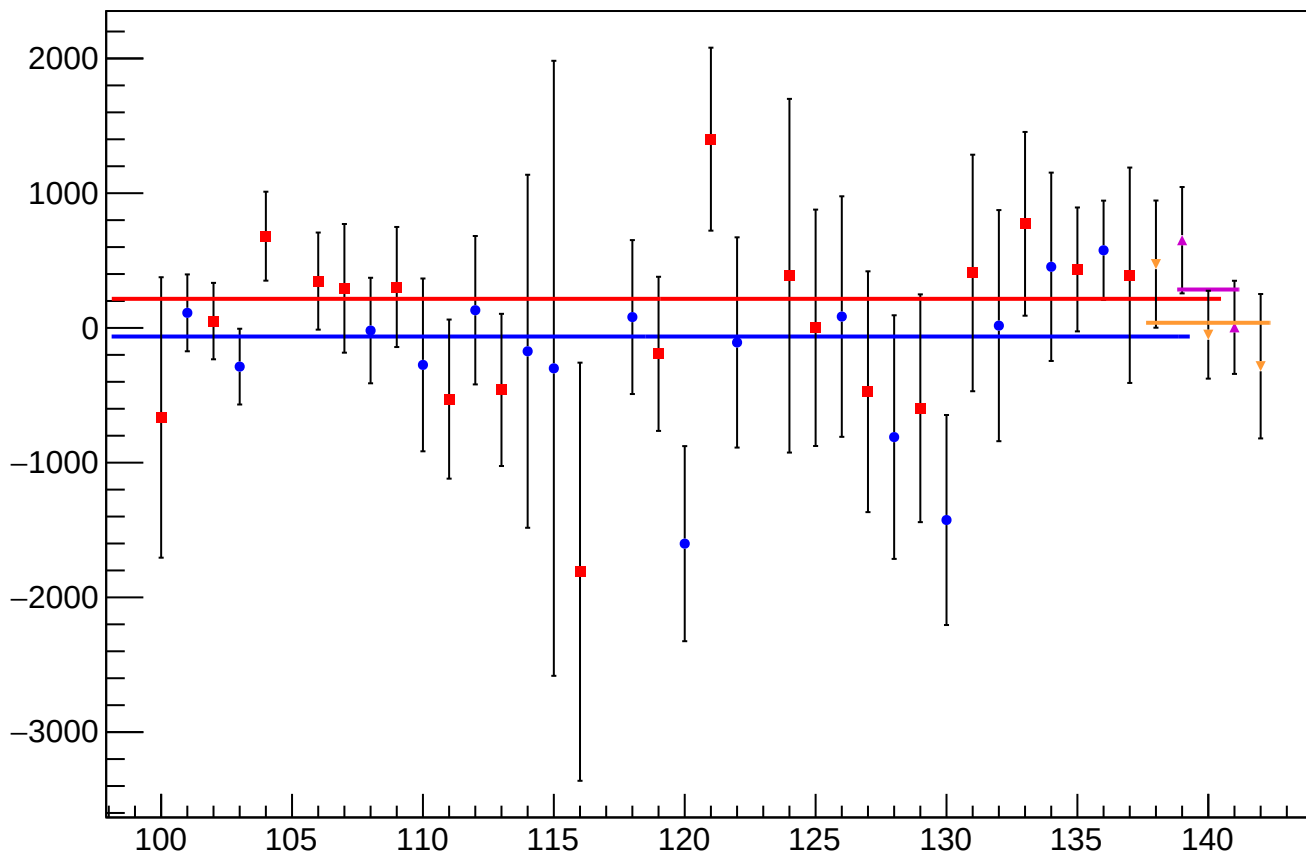
Left In: 57.640 $\pm$ 0.031 χ^2/NDF : 115.7/1

+ sign 61.174 $\pm$ 0.014 χ^2/NDF : 276283.0/18

All: 60.702 $\pm$ 0.010 χ^2/NDF : 575022.0/39

- sign 60.236 $\pm$ 0.014 χ^2/NDF : 296574.6/20

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: -63.820 ± 129.675 χ^2/NDF : 13.2/15

Left Out: 38.192 ± 239.917 χ^2/NDF : 1.3/2

Right Out: 215.911 ± 123.491 χ^2/NDF : 14.1/18

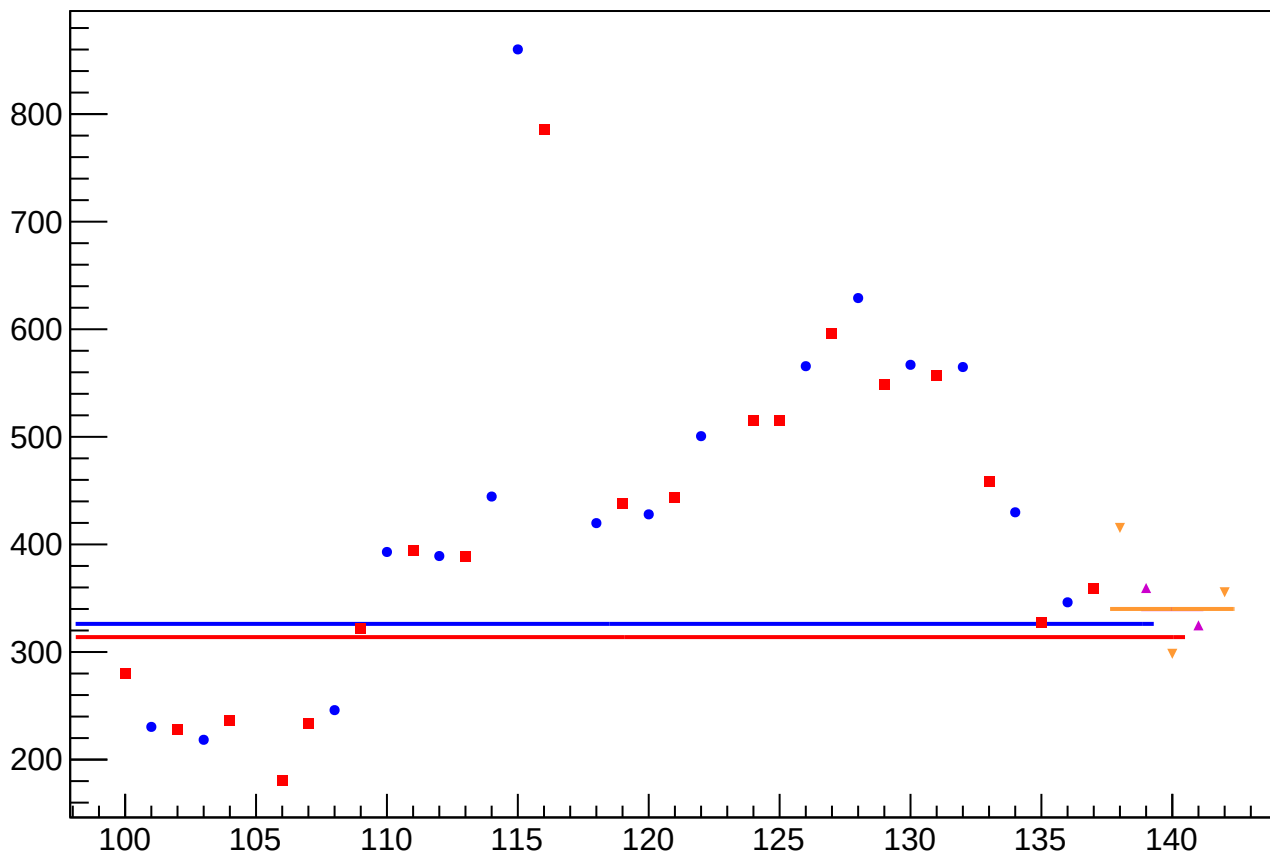
Left In: 285.063 ± 260.051 χ^2/NDF : 1.5/1

+ sign -40.756 ± 114.078 χ^2/NDF : 14.6/18

All: 96.955 ± 79.757 χ^2/NDF : 33.1/39

- sign 228.636 ± 111.552 χ^2/NDF : 15.7/20

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF : 1733934.7/15

Left Out: 340.018+/-0.170 χ^2/NDF : 85285.4/2

Right Out: 313.861+/-0.087 χ^2/NDF : 1805779.4/18

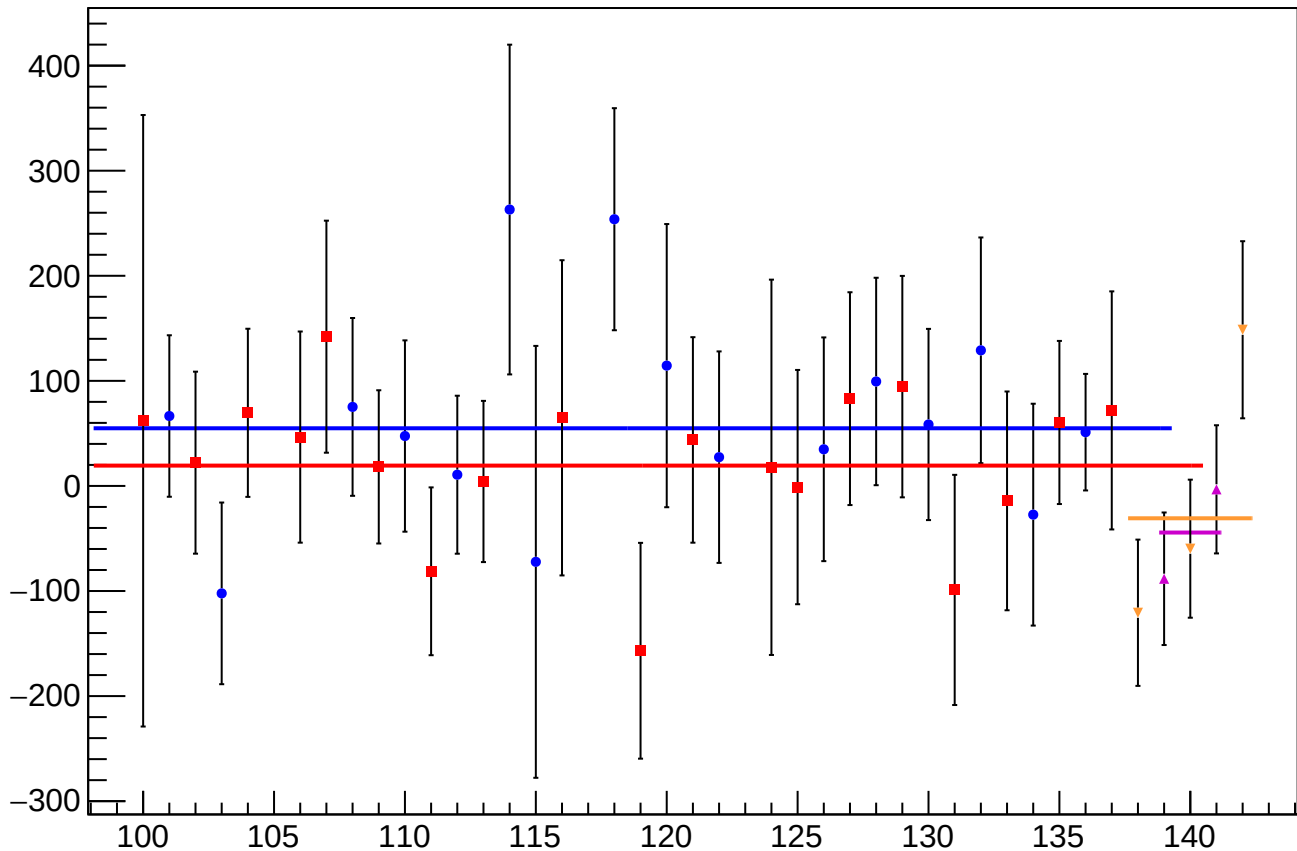
Left In: 339.855+/-0.184 χ^2/NDF : 8752.5/1

+ sign 329.286+/-0.081 χ^2/NDF : 1824391.6/18

All: 323.846+/-0.056 χ^2/NDF : 3664126.2/39

- sign 318.644+/-0.079 χ^2/NDF : 1830838.0/20

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: -30.784 $\pm$ 41.560 χ^2 /NDF: 6.4/2

Right Out: 19.352 $\pm$ 22.588 χ^2 /NDF: 9.2/18

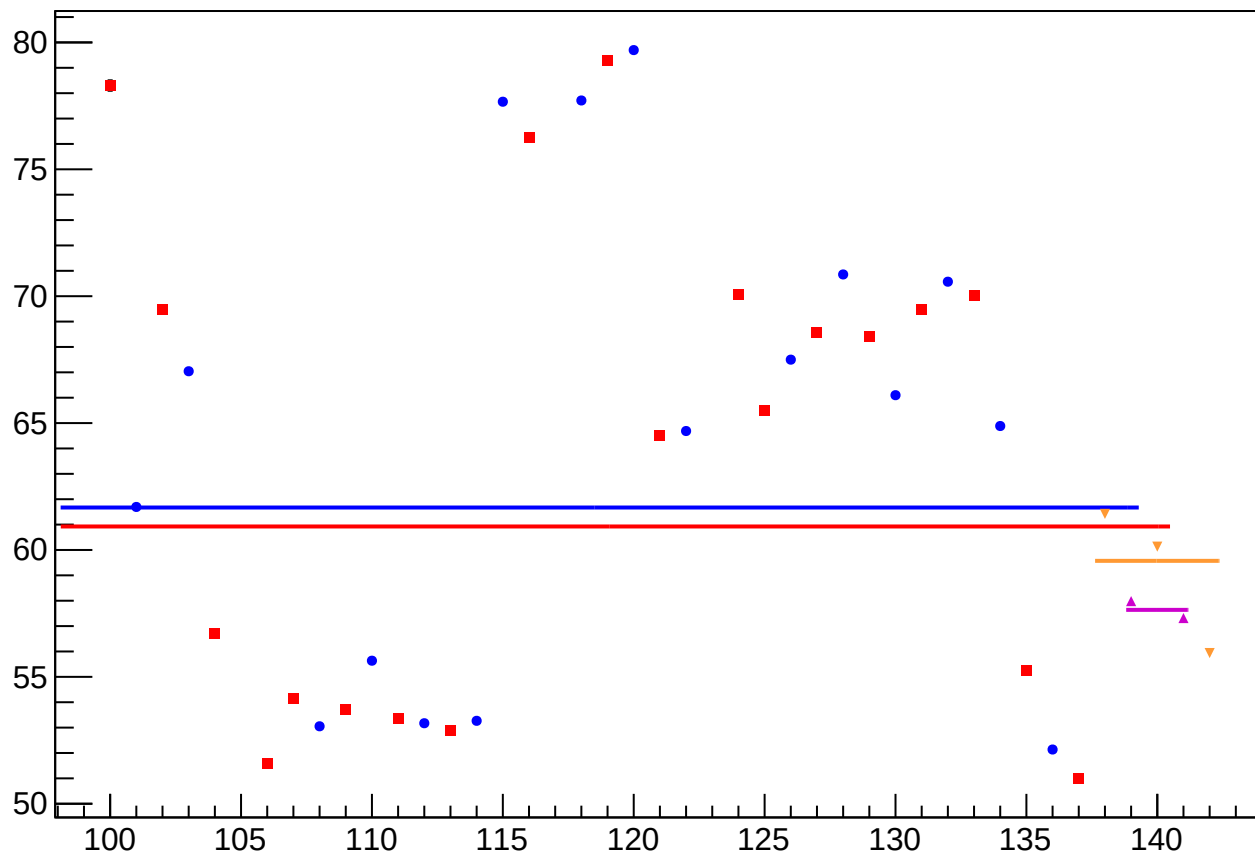
Left In: -44.360 $\pm$ 43.841 χ^2 /NDF: 0.9/1

+ sign 34.554 $\pm$ 20.243 χ^2 /NDF: 20.7/18

All: 20.154 $\pm$ 14.256 χ^2 /NDF: 33.4/39

- sign 5.988 $\pm$ 20.079 χ^2 /NDF: 11.8/20

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF : 267108.3/15

Left Out: 59.572+/-0.029 χ^2/NDF : 5274.8/2

Right Out: 60.926+/-0.016 χ^2/NDF : 287579.6/18

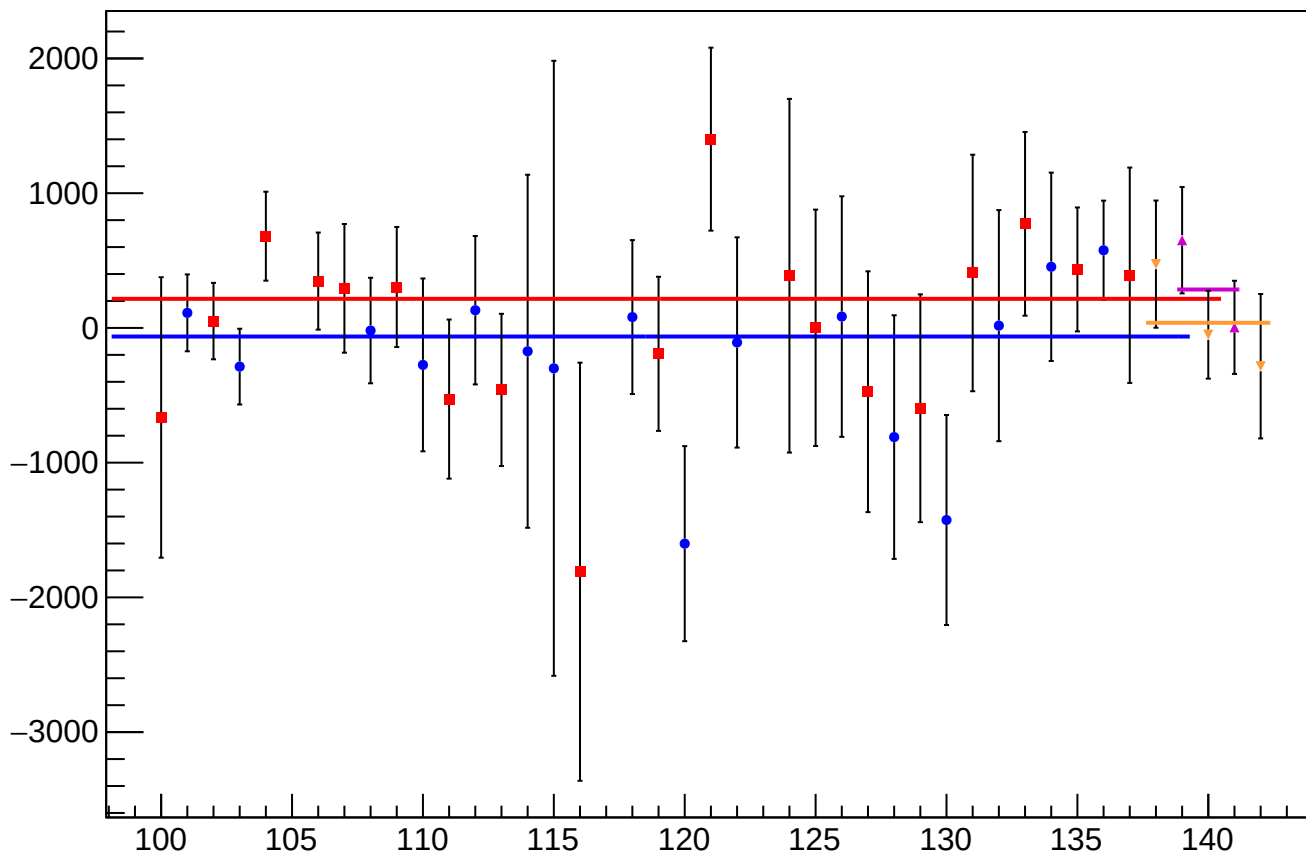
Left In: 57.640+/-0.031 χ^2/NDF : 115.7/1

+ sign 61.174+/-0.014 χ^2/NDF : 276283.0/18

All: 60.702+/-0.010 χ^2/NDF : 575022.0/39

- sign 60.236+/-0.014 χ^2/NDF : 296574.6/20

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: 38.192 ± 239.917 χ^2/NDF : 1.3/2

Right Out: 215.911 ± 123.491 χ^2/NDF : 14.1/18

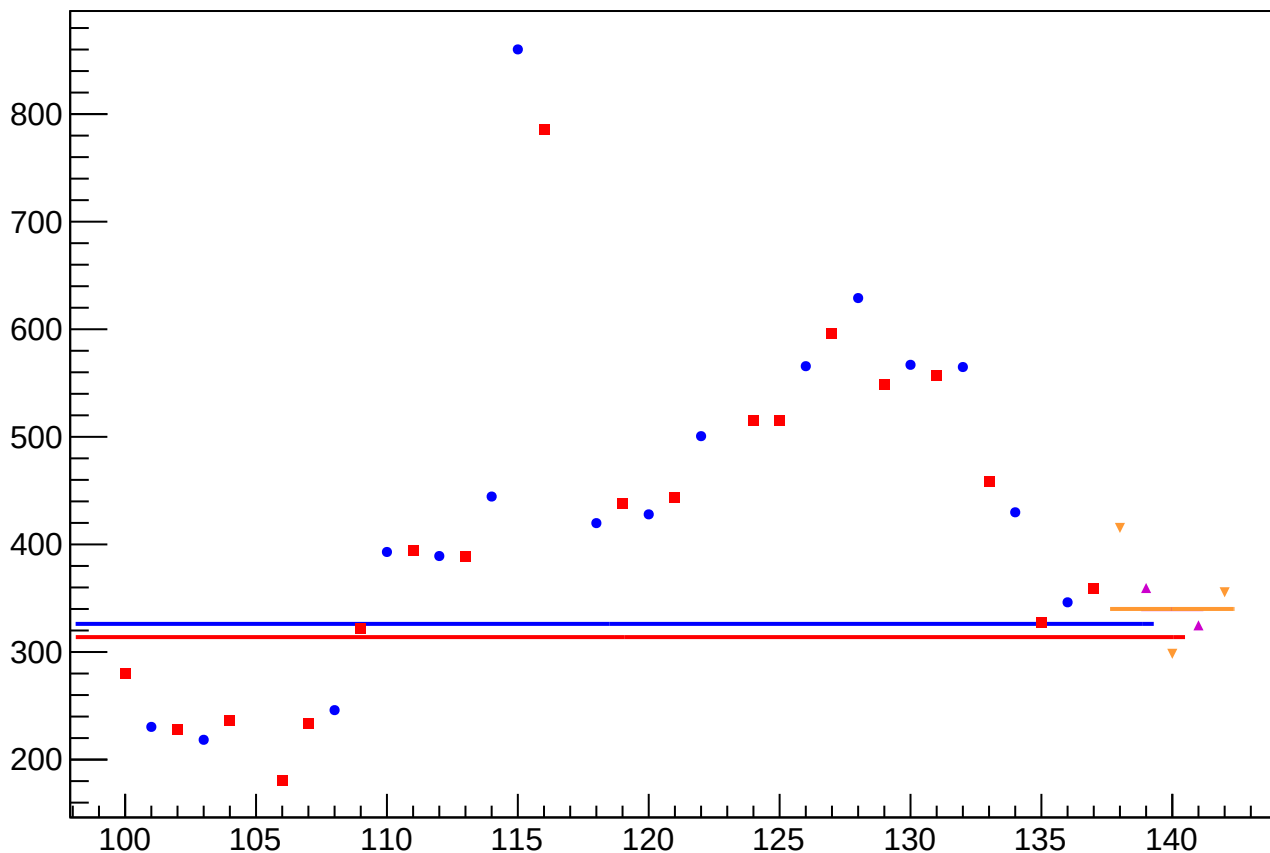
Left In: 285.063 ± 260.051 χ^2/NDF : 1.5/1

+ sign -40.756 ± 114.078 χ^2/NDF : 14.6/18

All: 96.955 ± 79.757 χ^2/NDF : 33.1/39

- sign 228.636 ± 111.552 χ^2/NDF : 15.7/20

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF : 1733934.7/15

Left Out: 340.018+/-0.170 χ^2/NDF : 85285.4/2

Right Out: 313.861+/-0.087 χ^2/NDF : 1805779.4/18

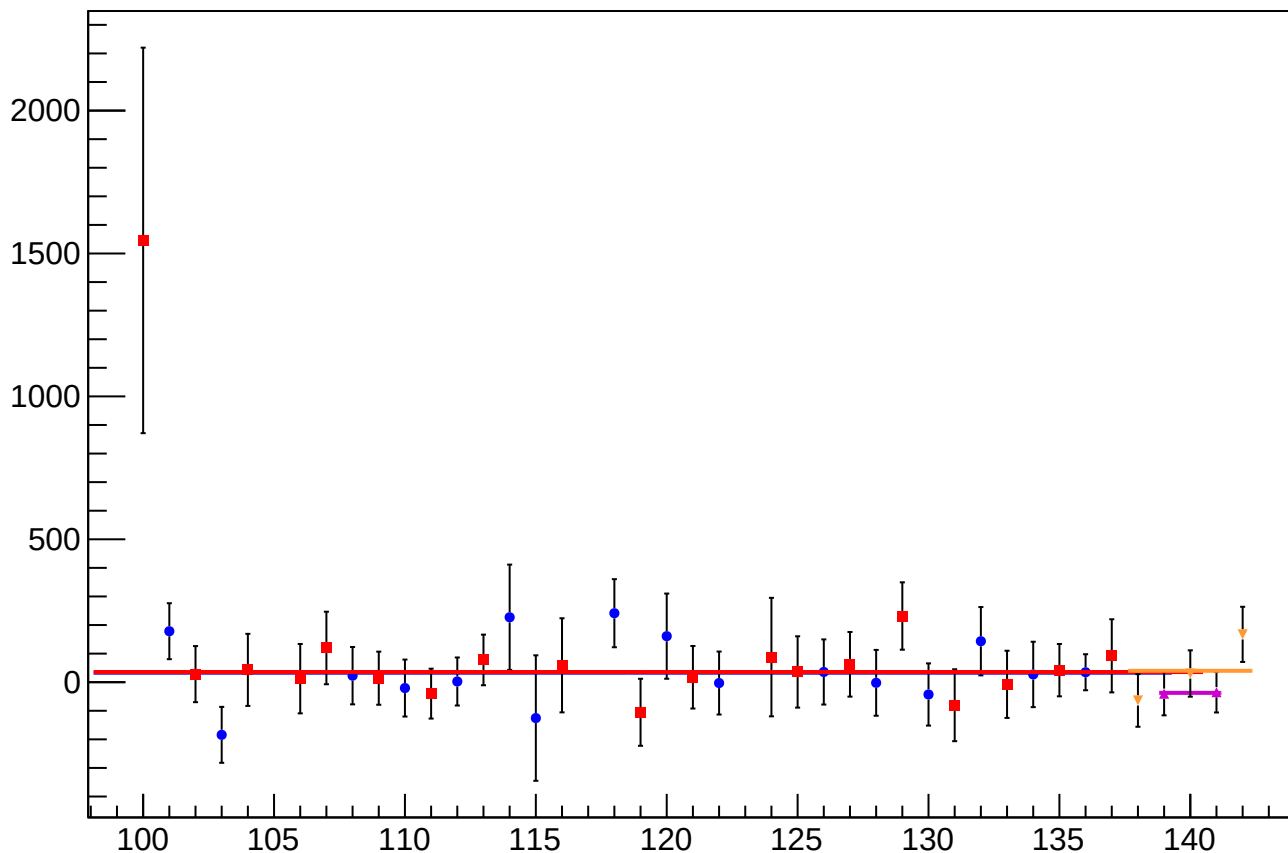
Left In: 339.855+/-0.184 χ^2/NDF : 8752.5/1

+ sign 329.286+/-0.081 χ^2/NDF : 1824391.6/18

All: 323.846+/-0.056 χ^2/NDF : 3664126.2/39

- sign 318.644+/-0.079 χ^2/NDF : 1830838.0/20

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399 $\pm$ 26.415 χ^2 /NDF: 14.5/15

Left Out: 39.901 $\pm$ 51.492 χ^2 /NDF: 3.0/2

Right Out: 35.576 $\pm$ 26.536 χ^2 /NDF: 12.1/18

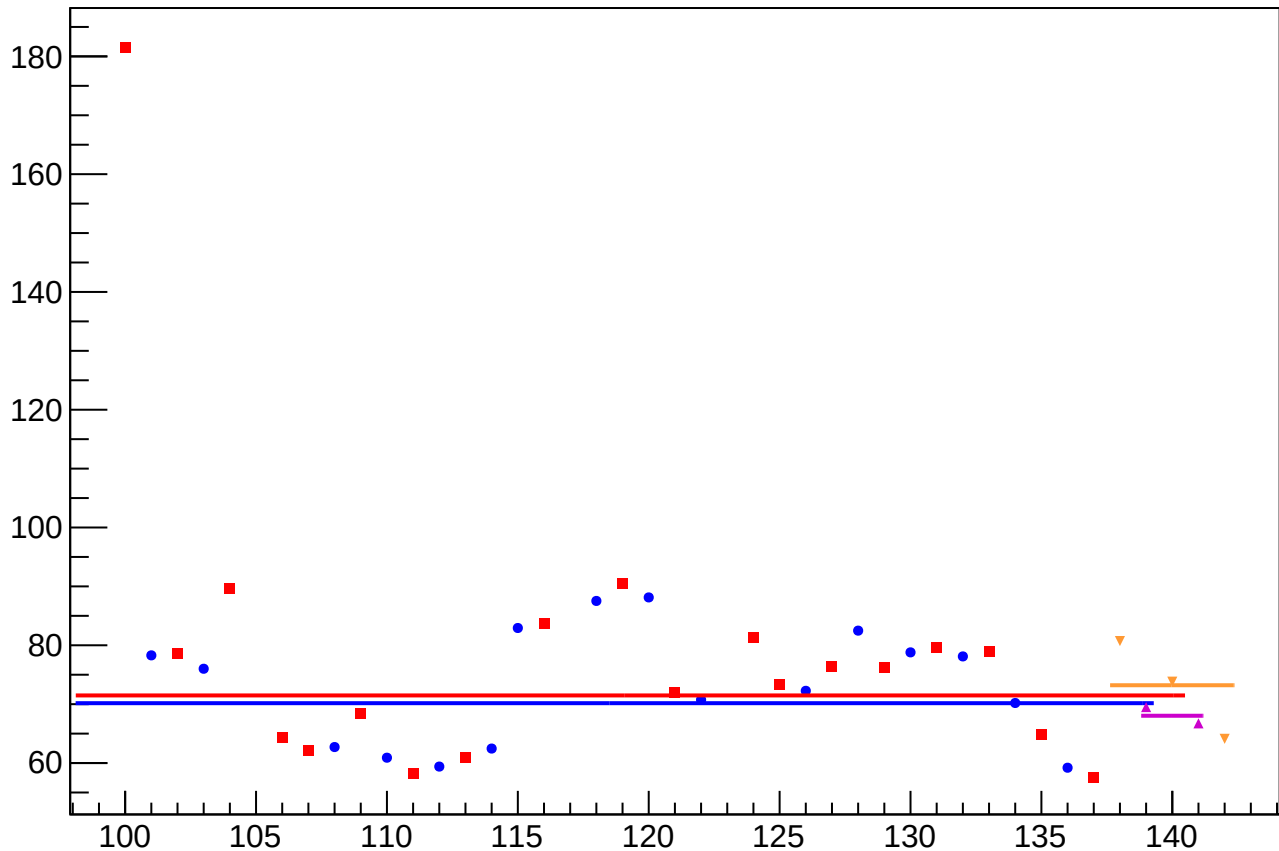
Left In: -37.332 $\pm$ 51.869 χ^2 /NDF: 0.0/1

+ sign 34.753 $\pm$ 23.503 χ^2 /NDF: 17.6/18

All: 27.640 $\pm$ 16.662 χ^2 /NDF: 31.4/39

- sign 20.452 $\pm$ 23.624 χ^2 /NDF: 13.7/20

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF : 269249.9/15

Left Out: 73.214+/-0.036 χ^2/NDF : 31126.5/2

Right Out: 71.483+/-0.019 χ^2/NDF : 325715.0/18

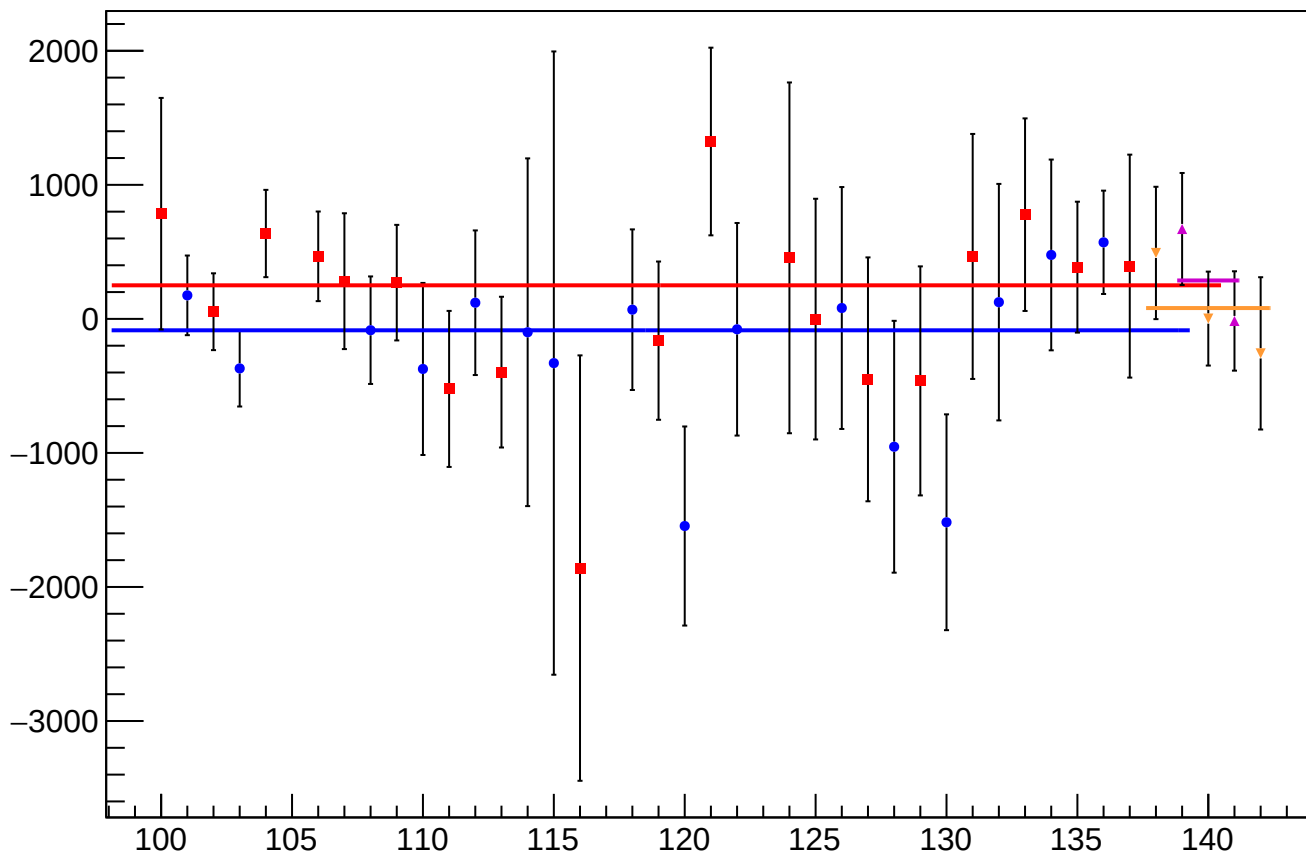
Left In: 68.034+/-0.037 χ^2/NDF : 1412.5/1

+ sign 70.802+/-0.017 χ^2/NDF : 305920.3/18

All: 70.785+/-0.012 χ^2/NDF : 640059.3/39

- sign 70.768+/-0.017 χ^2/NDF : 334136.9/20

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184 ± 132.877 χ^2/NDF : 13.7/15

Left Out: 80.775 ± 255.293 χ^2/NDF : 1.1/2

Right Out: 250.440 ± 123.302 χ^2/NDF : 12.5/18

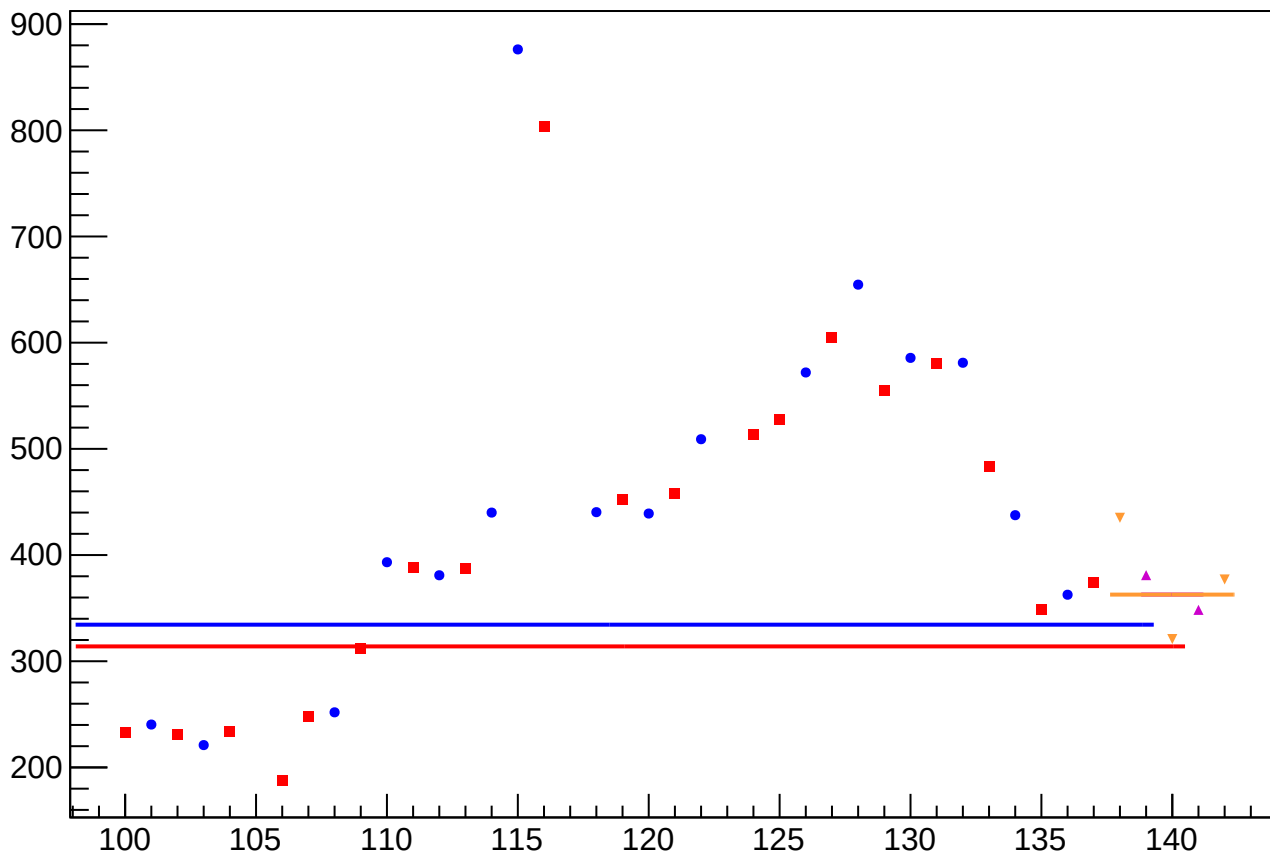
Left In: 286.666 ± 277.302 χ^2/NDF : 1.5/1

+ sign -49.808 ± 117.867 χ^2/NDF : 15.1/18

All: 110.211 ± 81.444 χ^2/NDF : 32.7/39

- sign 256.420 ± 112.666 χ^2/NDF : 14.0/20

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF : 1730610.2/15

Left Out: 362.752+/-0.181 χ^2/NDF : 72753.6/2

Right Out: 313.971+/-0.087 χ^2/NDF : 1904605.9/18

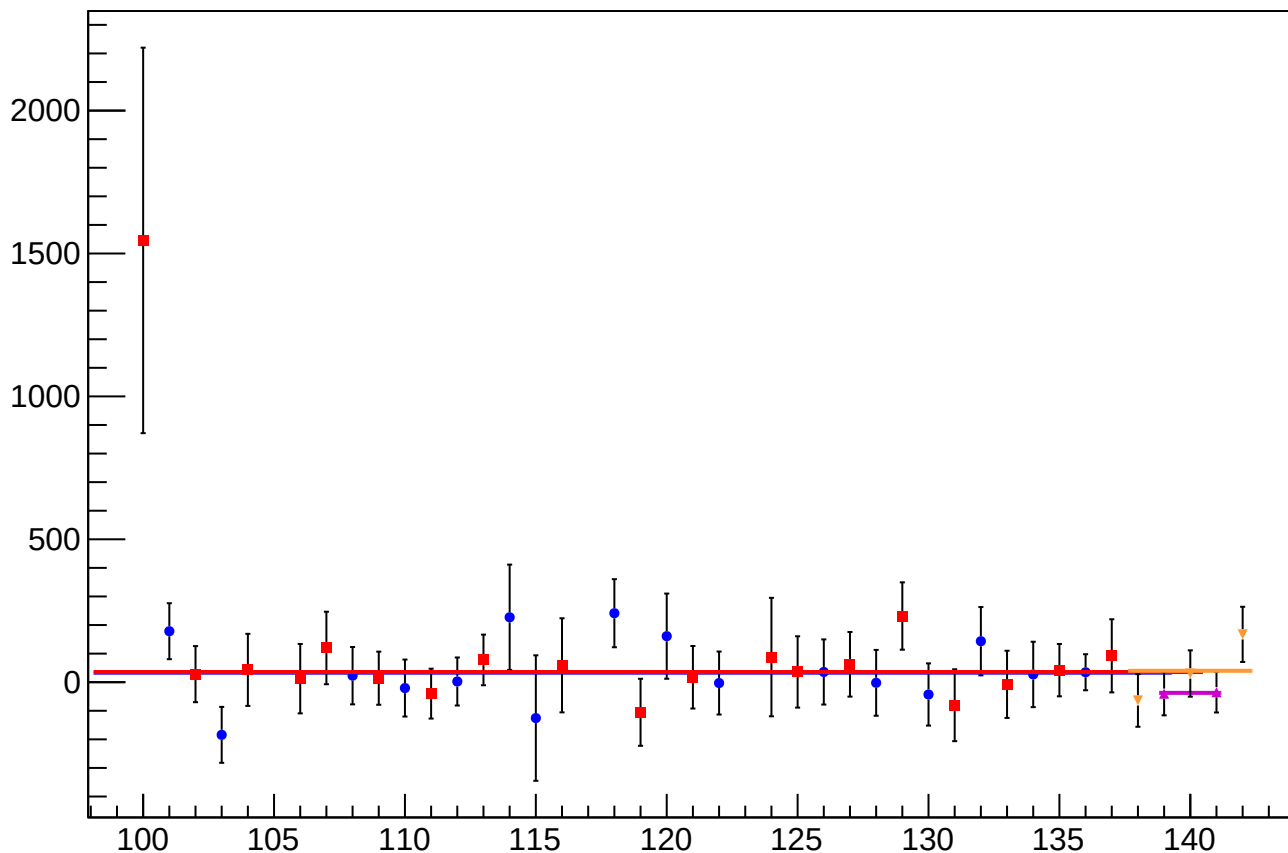
Left In: 362.796+/-0.196 χ^2/NDF : 6850.0/1

+ sign 340.468+/-0.083 χ^2/NDF : 1822731.3/18

All: 330.834+/-0.058 χ^2/NDF : 3811525.9/39

- sign 322.031+/-0.080 χ^2/NDF : 1963223.0/20

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397 $\pm$ 26.415 χ^2 /NDF: 14.5/15

Left Out: 39.900 $\pm$ 51.492 χ^2 /NDF: 3.0/2

Right Out: 35.577 $\pm$ 26.536 χ^2 /NDF: 12.1/18

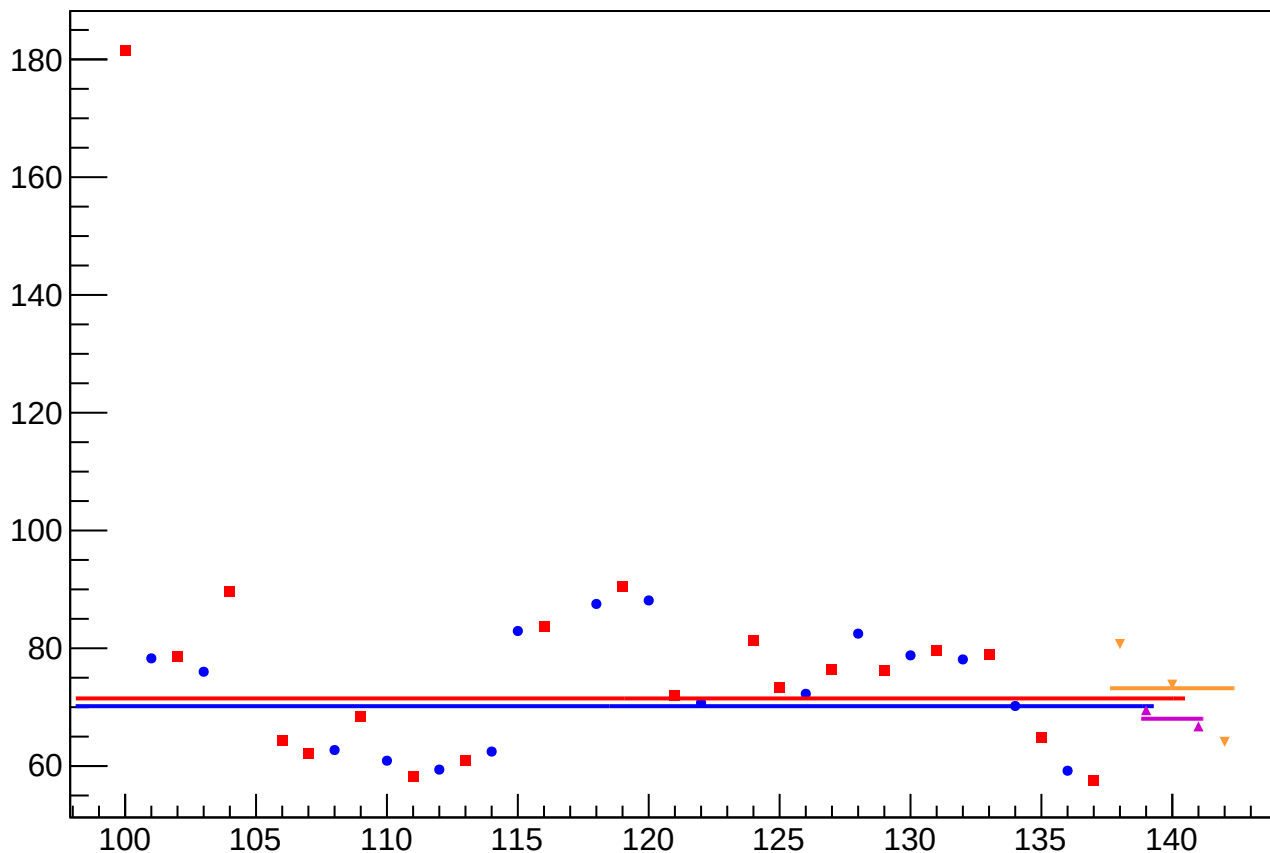
Left In: -37.334 $\pm$ 51.869 χ^2 /NDF: 0.0/1

+ sign 34.752 $\pm$ 23.503 χ^2 /NDF: 17.6/18

All: 27.639 $\pm$ 16.662 χ^2 /NDF: 31.4/39

- sign 20.452 $\pm$ 23.624 χ^2 /NDF: 13.7/20

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF : 269253.0/15

Left Out: 73.214+/-0.036 χ^2/NDF : 31124.6/2

Right Out: 71.483+/-0.019 χ^2/NDF : 325721.5/18

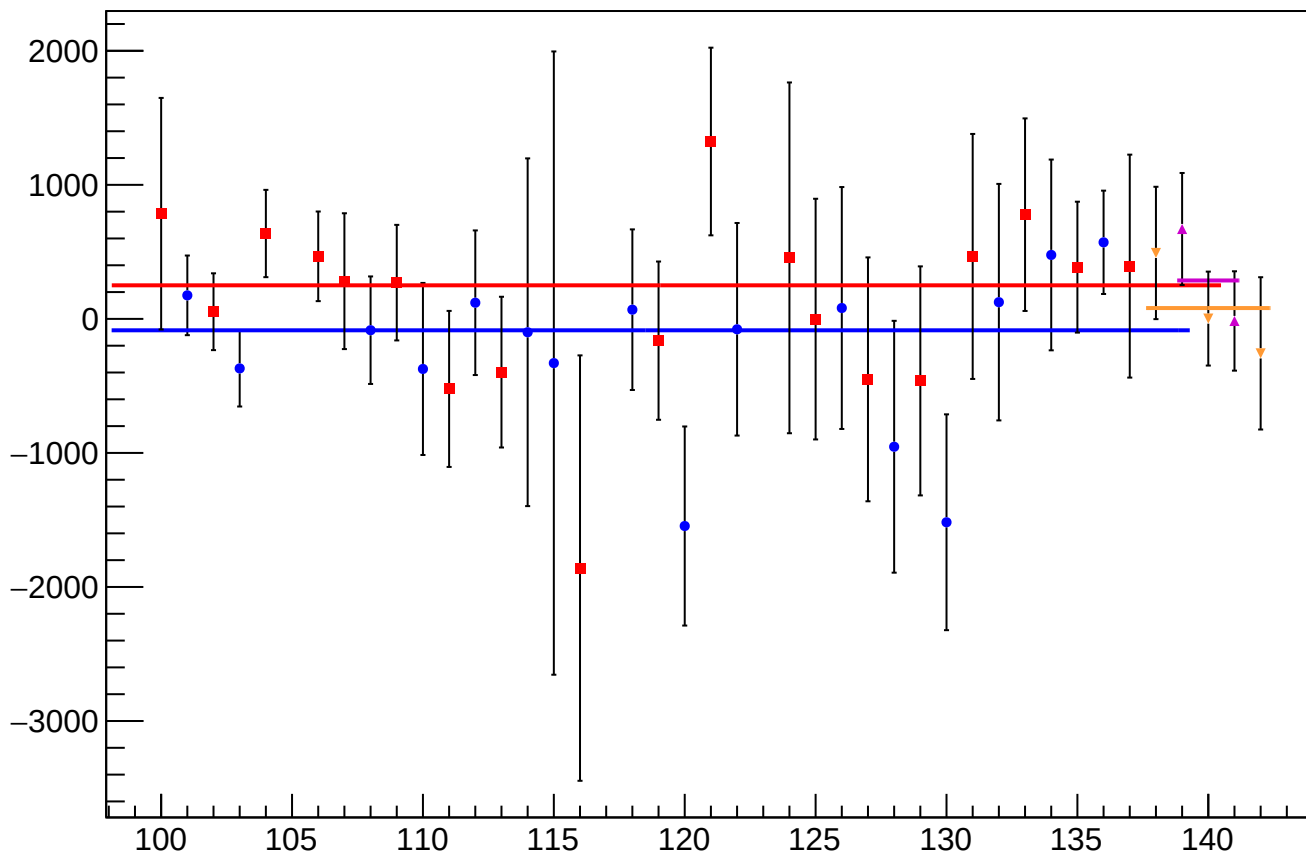
Left In: 68.034+/-0.037 χ^2/NDF : 1412.4/1

+ sign 70.802+/-0.017 χ^2/NDF : 305920.6/18

All: 70.785+/-0.012 χ^2/NDF : 640067.6/39

- sign 70.768+/-0.017 χ^2/NDF : 334144.9/20

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug



Right In: -85.185 ± 132.877 χ^2/NDF : 13.7/15

Left Out: 80.776 ± 255.292 χ^2/NDF : 1.1/2

Right Out: 250.440 ± 123.302 χ^2/NDF : 12.5/18

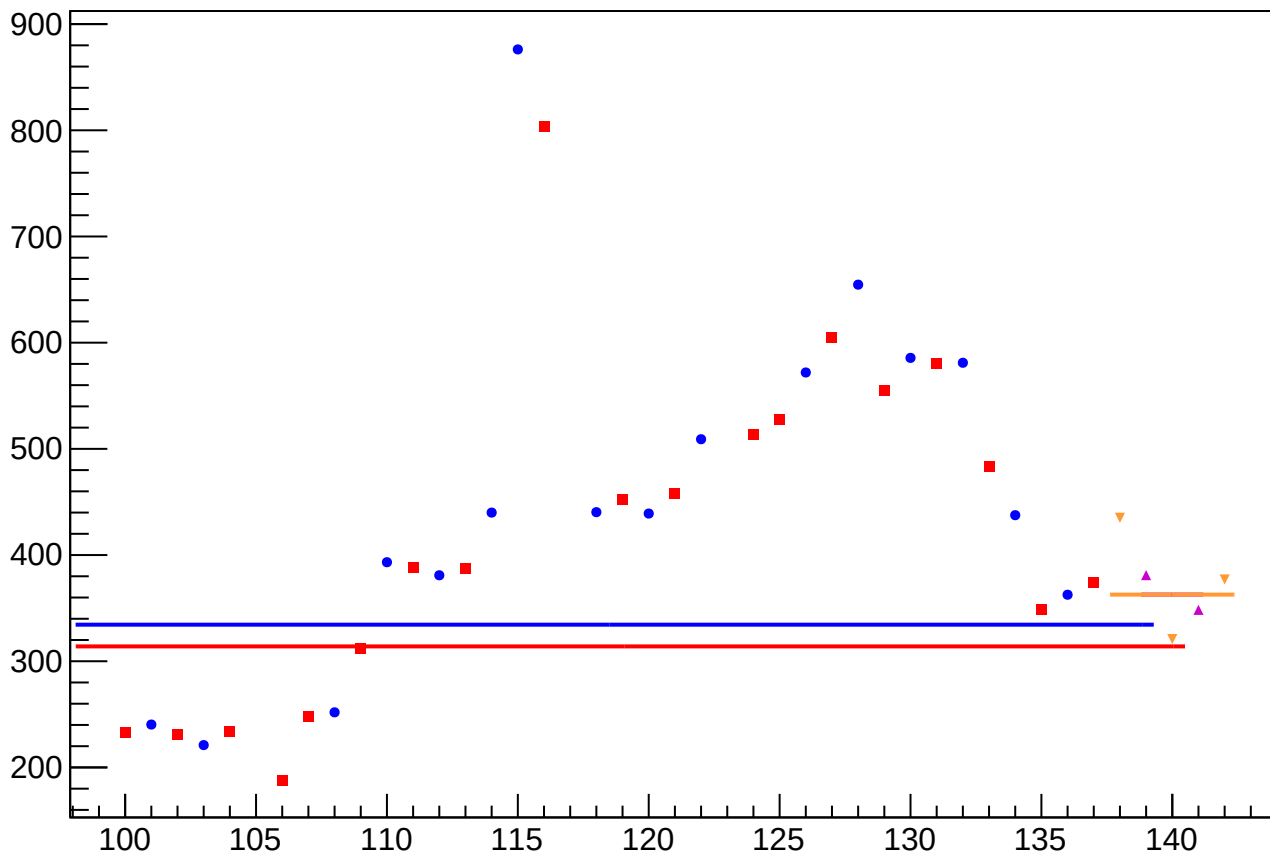
Left In: 286.665 ± 277.302 χ^2/NDF : 1.5/1

+ sign -49.809 ± 117.867 χ^2/NDF : 15.1/18

All: 110.211 ± 81.443 χ^2/NDF : 32.7/39

- sign 256.420 ± 112.666 χ^2/NDF : 14.0/20

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF : 1730609.3/15

Left Out: 362.752+/-0.181 χ^2/NDF : 72753.5/2

Right Out: 313.971+/-0.087 χ^2/NDF : 1904604.3/18

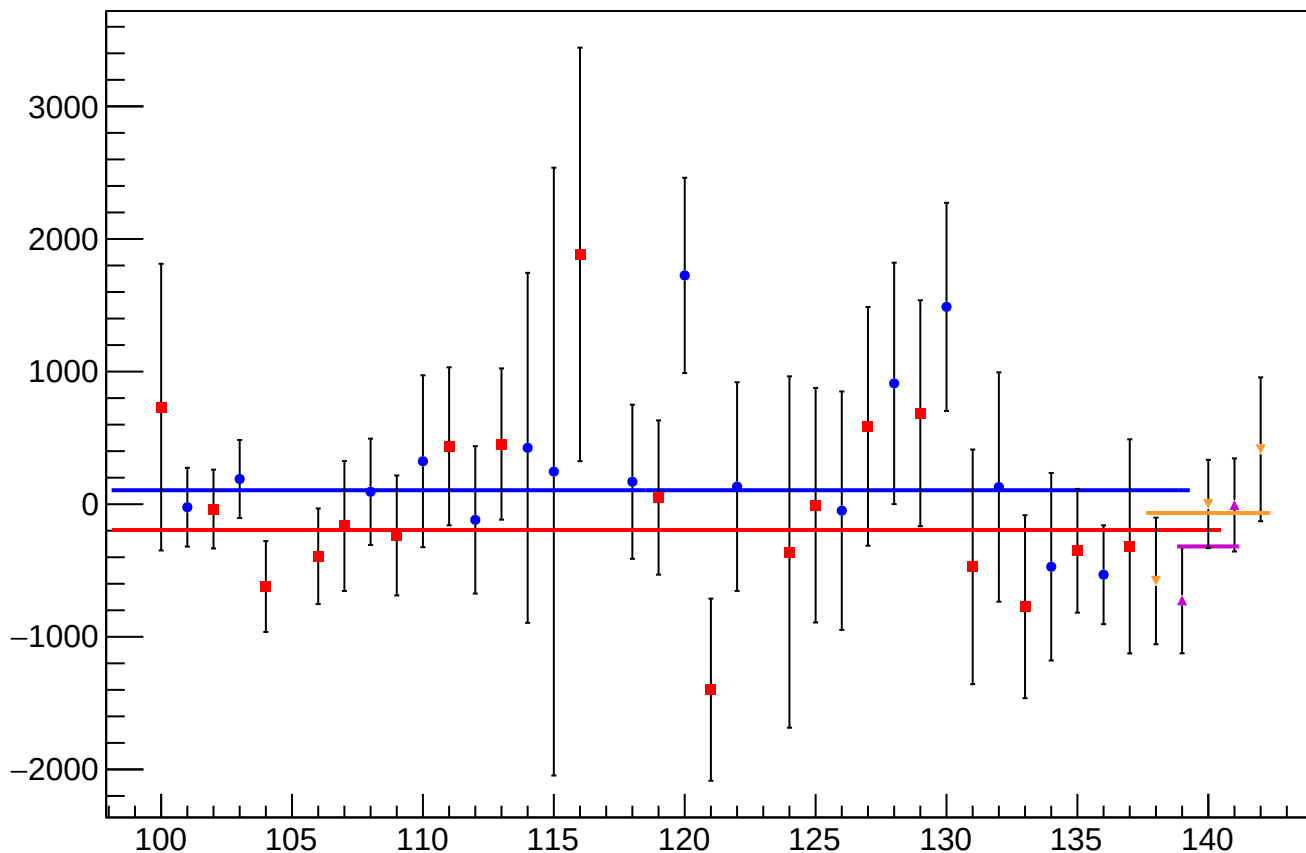
Left In: 362.796+/-0.196 χ^2/NDF : 6850.2/1

+ sign 340.468+/-0.083 χ^2/NDF : 1822729.3/18

All: 330.834+/-0.058 χ^2/NDF : 3811522.0/39

- sign 322.031+/-0.080 χ^2/NDF : 1963220.8/20

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390 $\pm$ 133.046 χ^2 /NDF: 13.0/15

Left Out: -66.475 $\pm$ 243.900 χ^2 /NDF:2.0/2

Right Out: -194.712 $\pm$ 126.198 χ^2 /NDF: 13.1/18

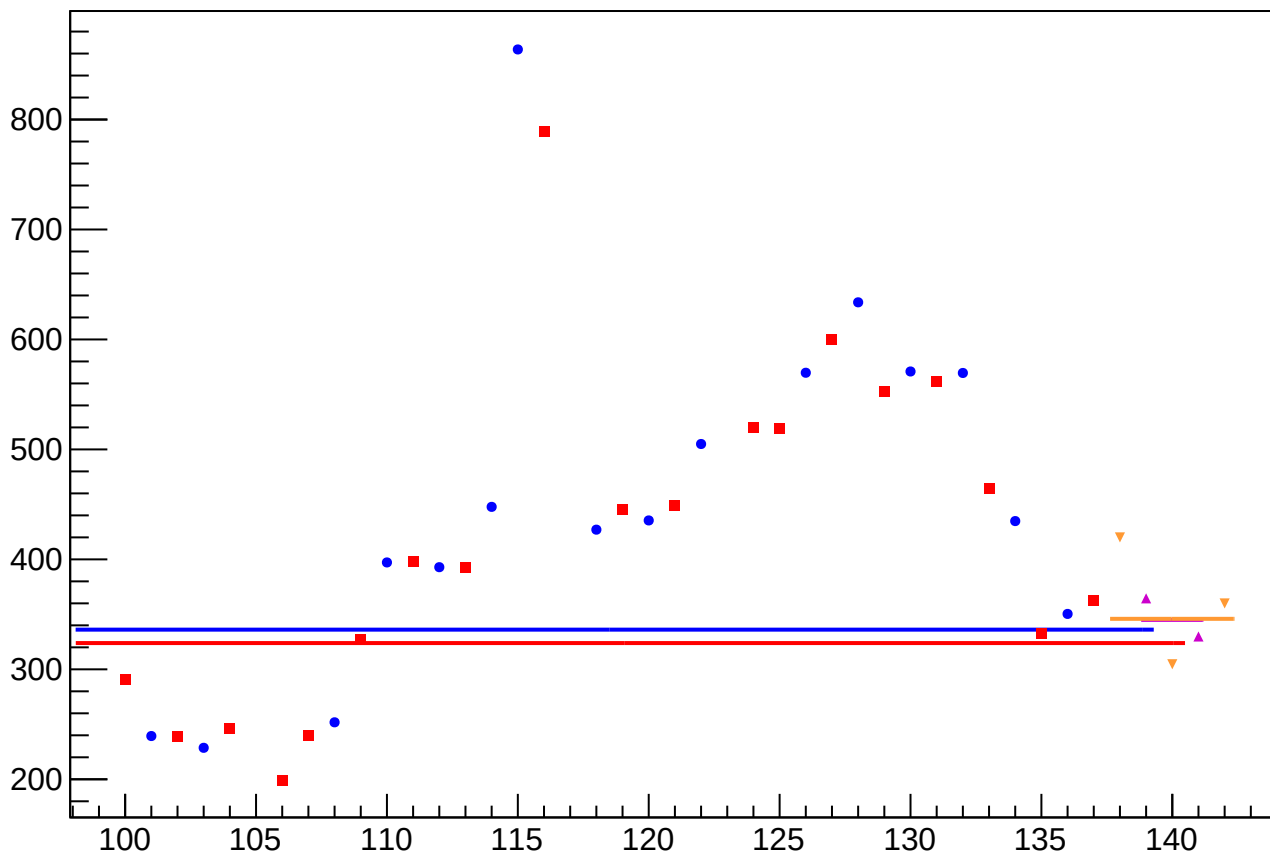
Left In: -318.440 $\pm$ 263.879 χ^2 /NDF:1.8/1

+ sign 65.977 $\pm$ 116.798 χ^2 /NDF: 15.3/18

All: -79.511 $\pm$ 81.526 χ^2 /NDF: 33.5/39

- sign -217.743 $\pm$ 113.849 χ^2 /NDF: 15.1/20

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF : 1618997.2/15

Left Out: 345.926+/-0.172 χ^2/NDF : 80290.8/2

Right Out: 323.885+/-0.089 χ^2/NDF : 1665420.8/18

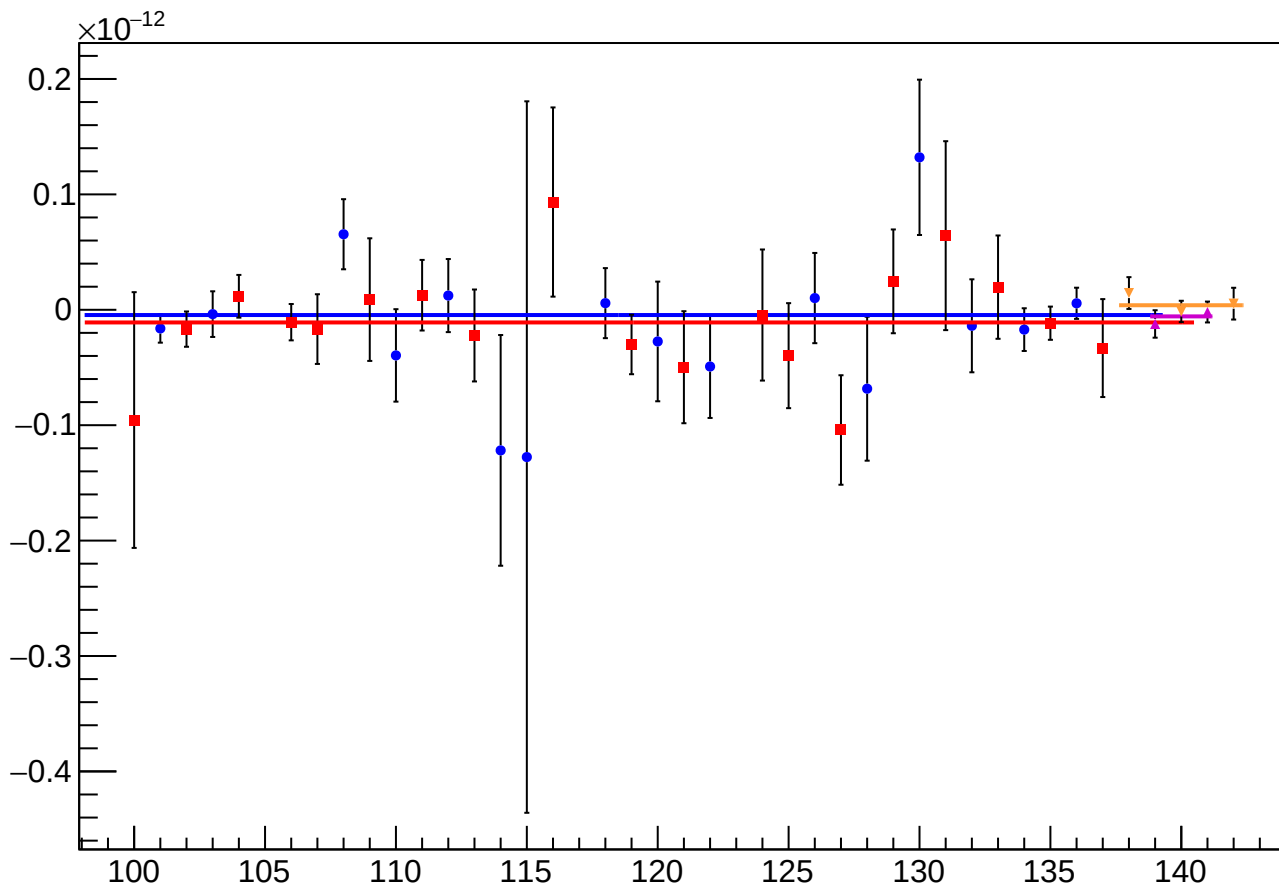
Left In: 344.960+/-0.187 χ^2/NDF : 8493.8/1

+ sign 338.347+/-0.083 χ^2/NDF : 1701793.5/18

All: 332.943+/-0.058 χ^2/NDF : 3394440.4/39

- sign 327.808+/-0.081 χ^2/NDF : 1684297.1/20

asym_sam_37_48_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: 0.9/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/18

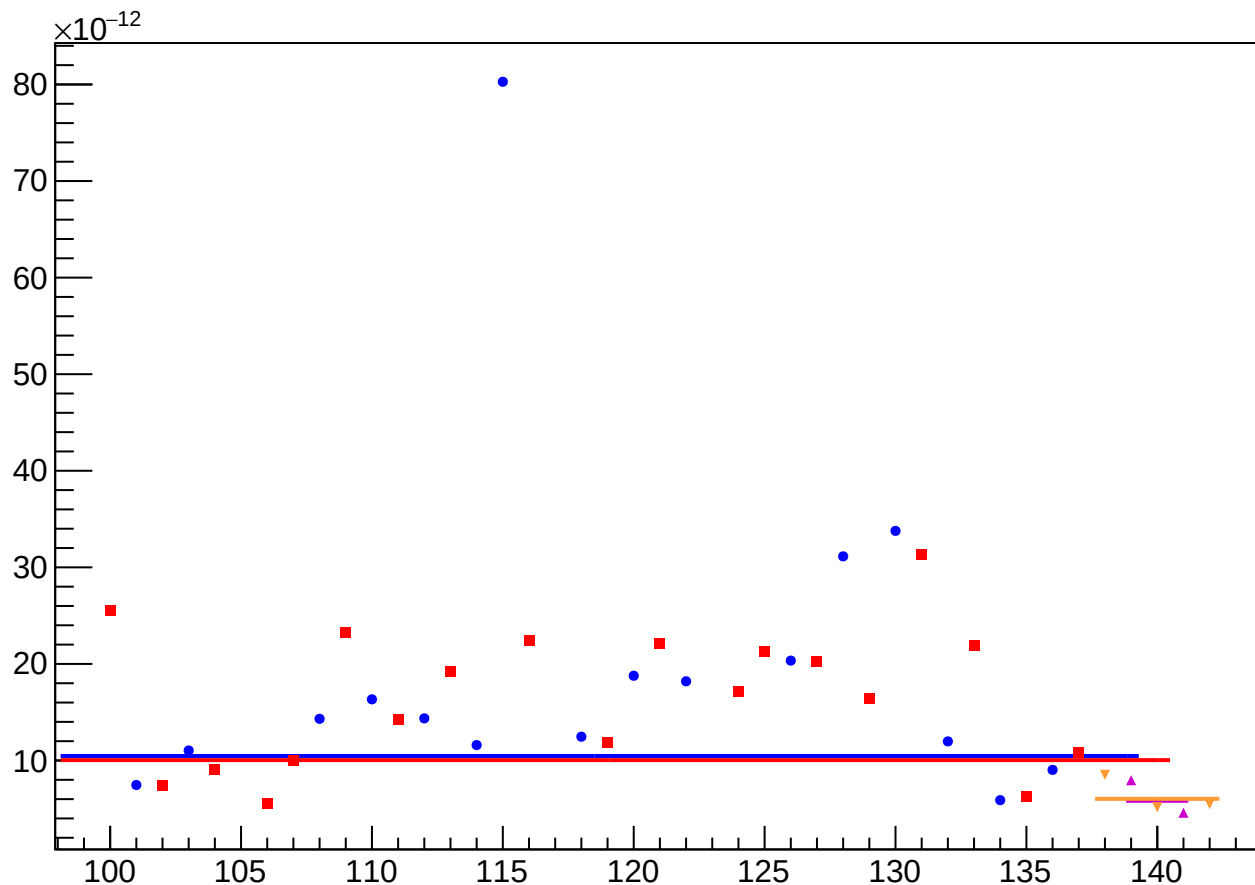
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.5/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.3/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.9/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/20

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1183833.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:85983.5/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1415778.7/18

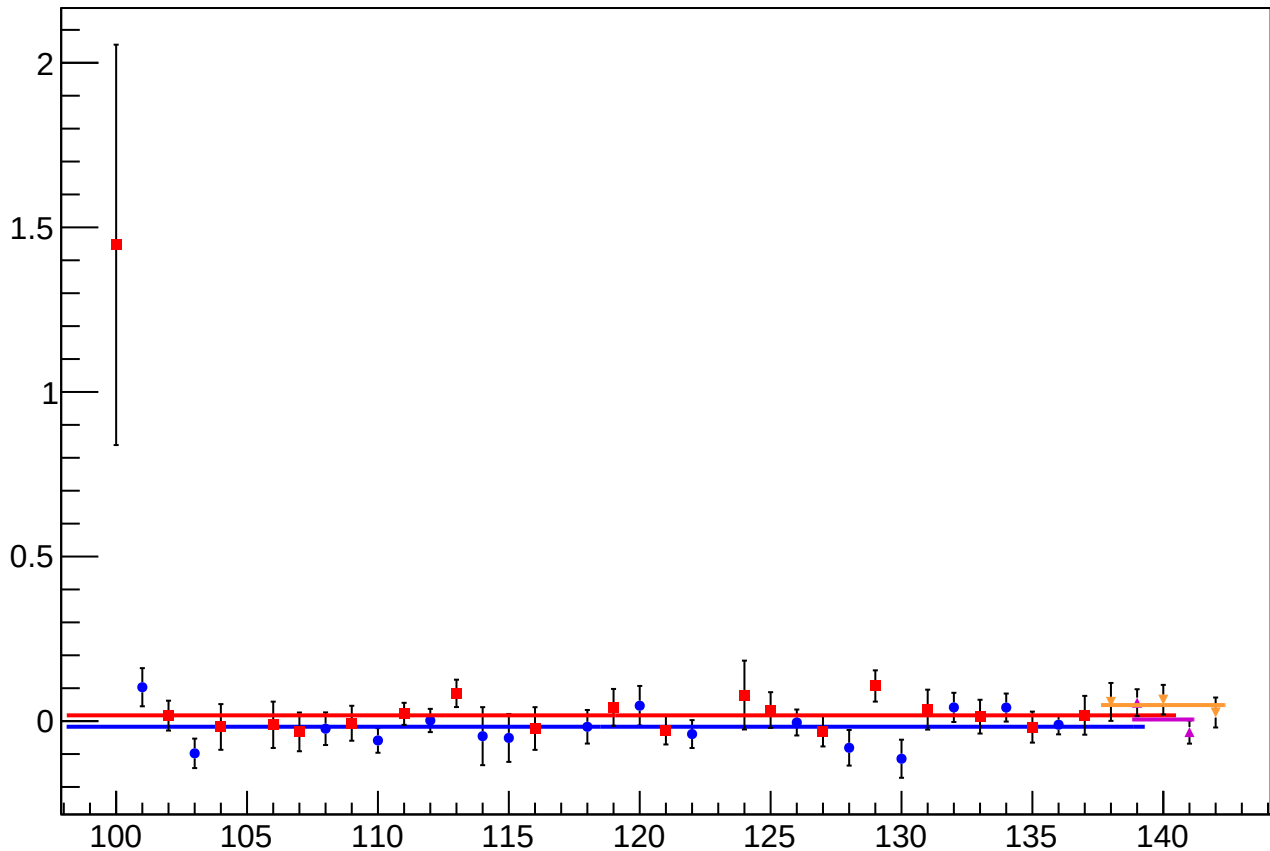
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:101646.5/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1724594.3/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 3624975.9/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1899196.3/20

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: 0.049 ± 0.028 χ^2/NDF : 0.4/2

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

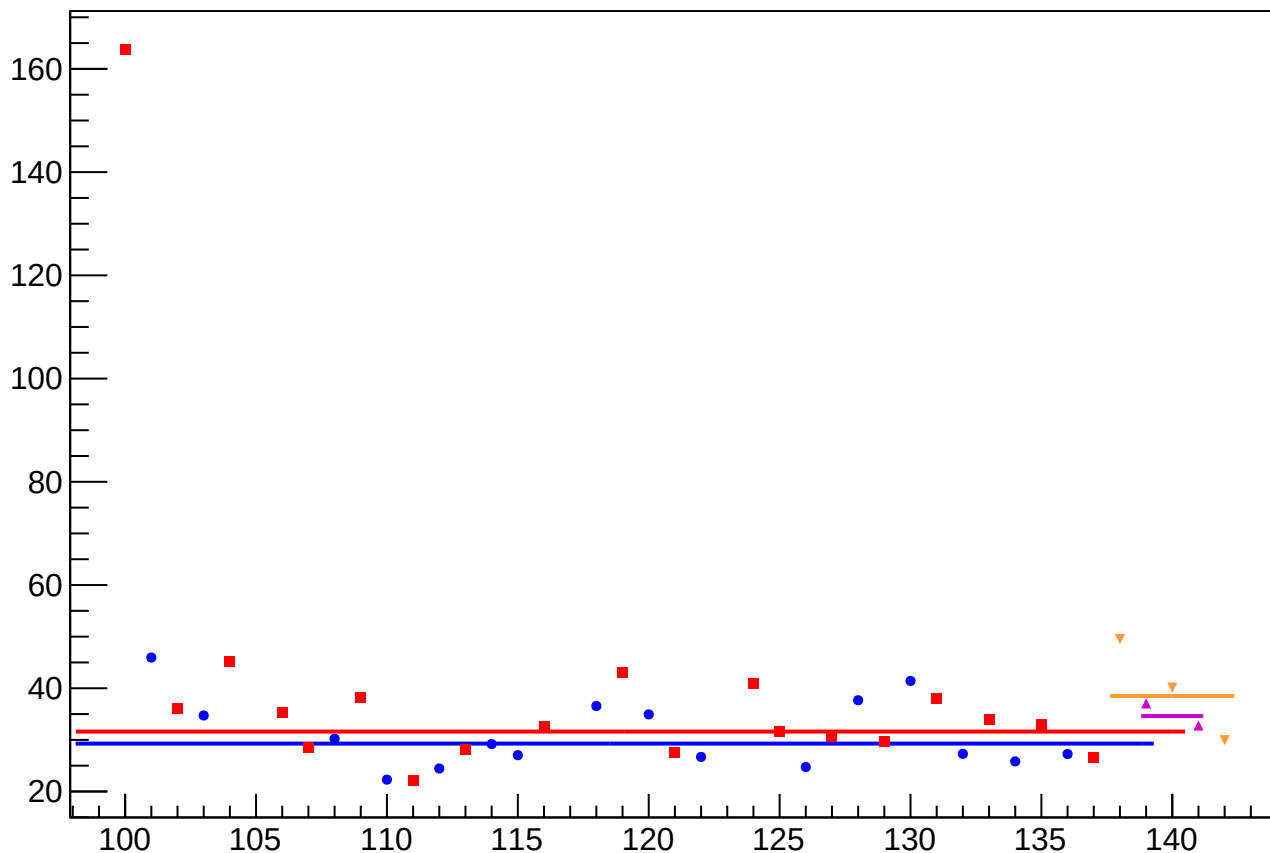
Left In: 0.005 ± 0.027 χ^2/NDF : 2.7/1

+ sign -0.008 ± 0.011 χ^2/NDF : 24.0/18

All: 0.003 ± 0.008 χ^2/NDF : 46.0/39

- sign 0.015 ± 0.011 χ^2/NDF : 19.7/20

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: 38.494 $\pm$ 0.020 χ^2 /NDF:146441.7/2

Right Out: 31.613 $\pm$ 0.009 χ^2 /NDF: 572190.6/18

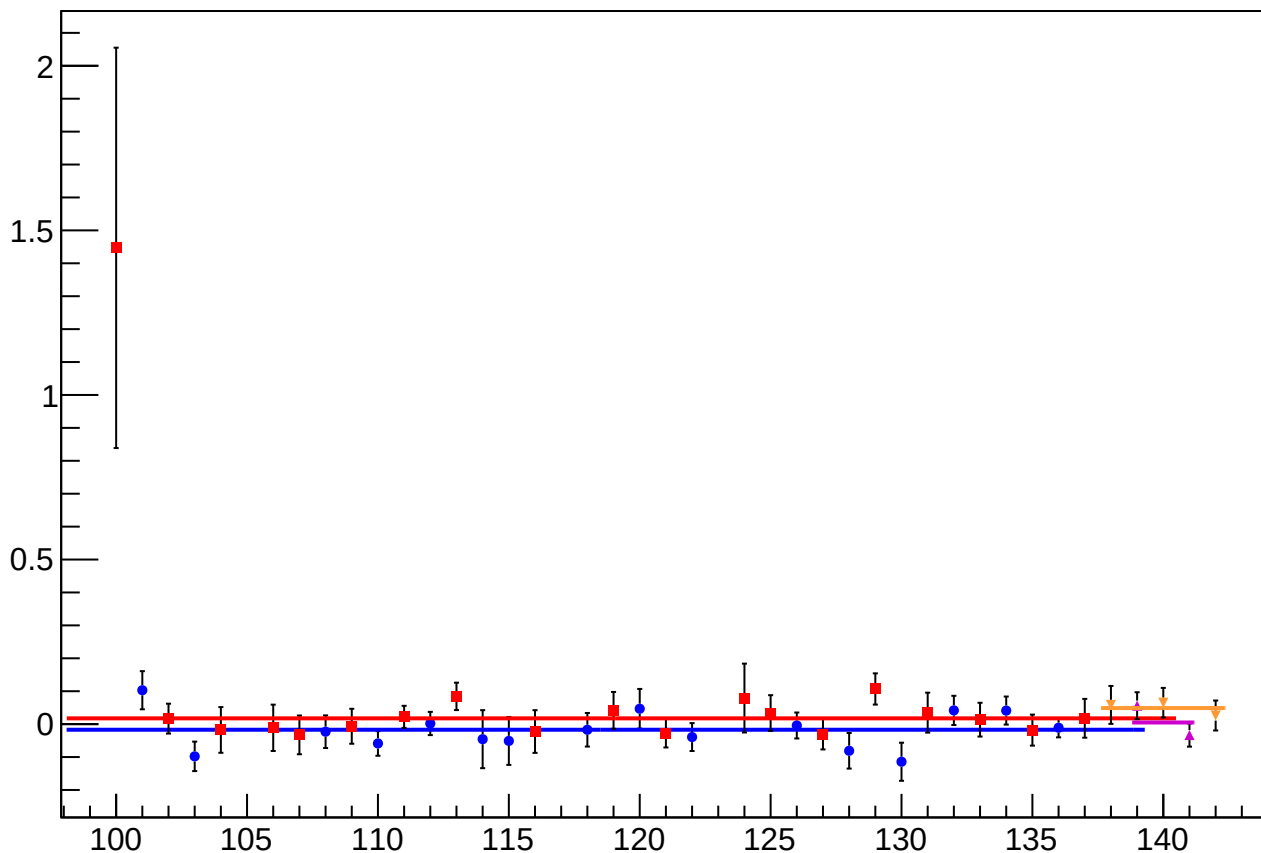
Left In: 34.616 $\pm$ 0.019 χ^2 /NDF:12514.6/1

+ sign 30.580 $\pm$ 0.007 χ^2 /NDF: 893521.8/18

All: 31.316 $\pm$ 0.005 χ^2 /NDF: 1519770.1/39

- sign 32.125 $\pm$ 0.008 χ^2 /NDF: 605683.1/20

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: 0.049 ± 0.028 χ^2/NDF : 0.4/2

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

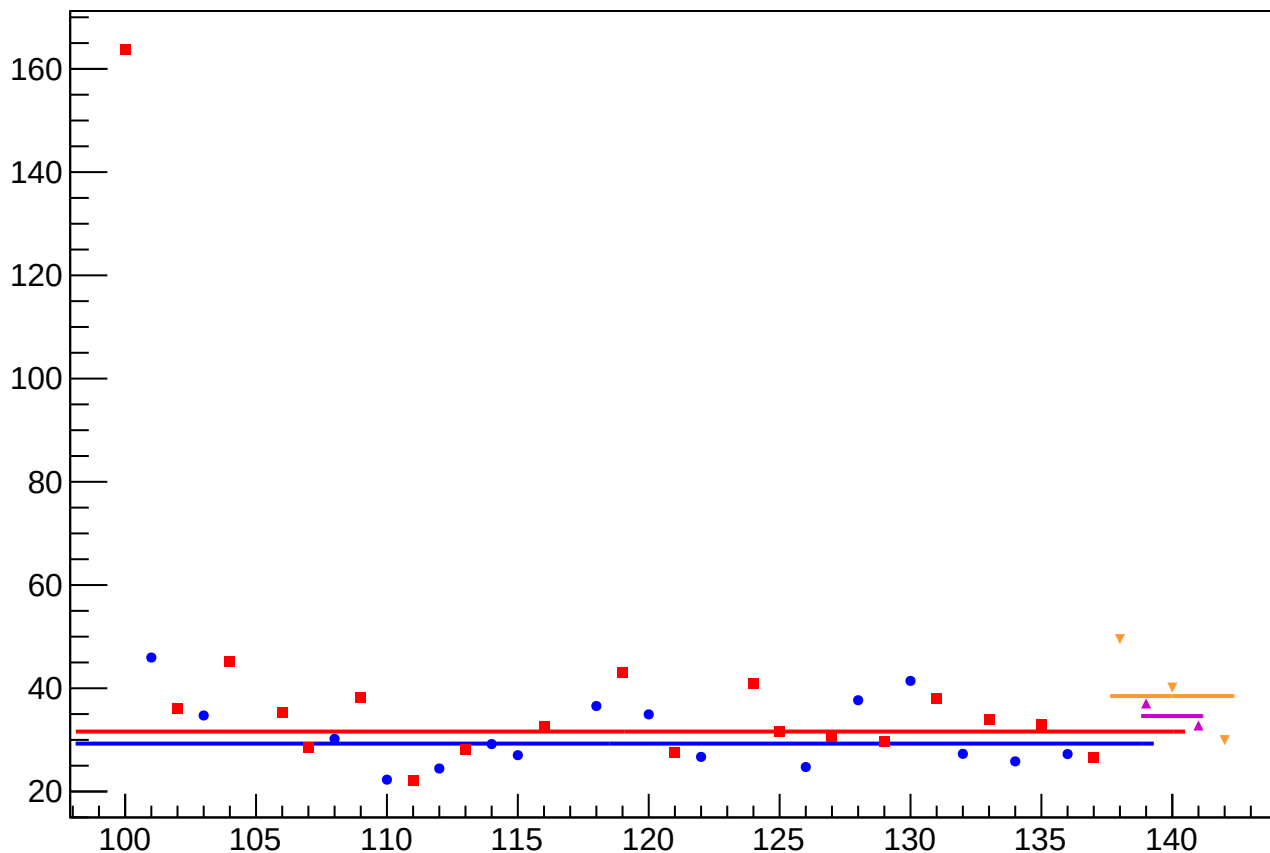
Left In: 0.005 ± 0.027 χ^2/NDF : 2.7/1

+ sign -0.008 ± 0.011 χ^2/NDF : 24.0/18

All: 0.003 ± 0.008 χ^2/NDF : 46.0/39

- sign 0.015 ± 0.011 χ^2/NDF : 19.7/20

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF : 560654.9/15

Left Out: 38.494+/-0.020 χ^2/NDF : 146441.7/2

Right Out: 31.613+/-0.009 χ^2/NDF : 572190.6/18

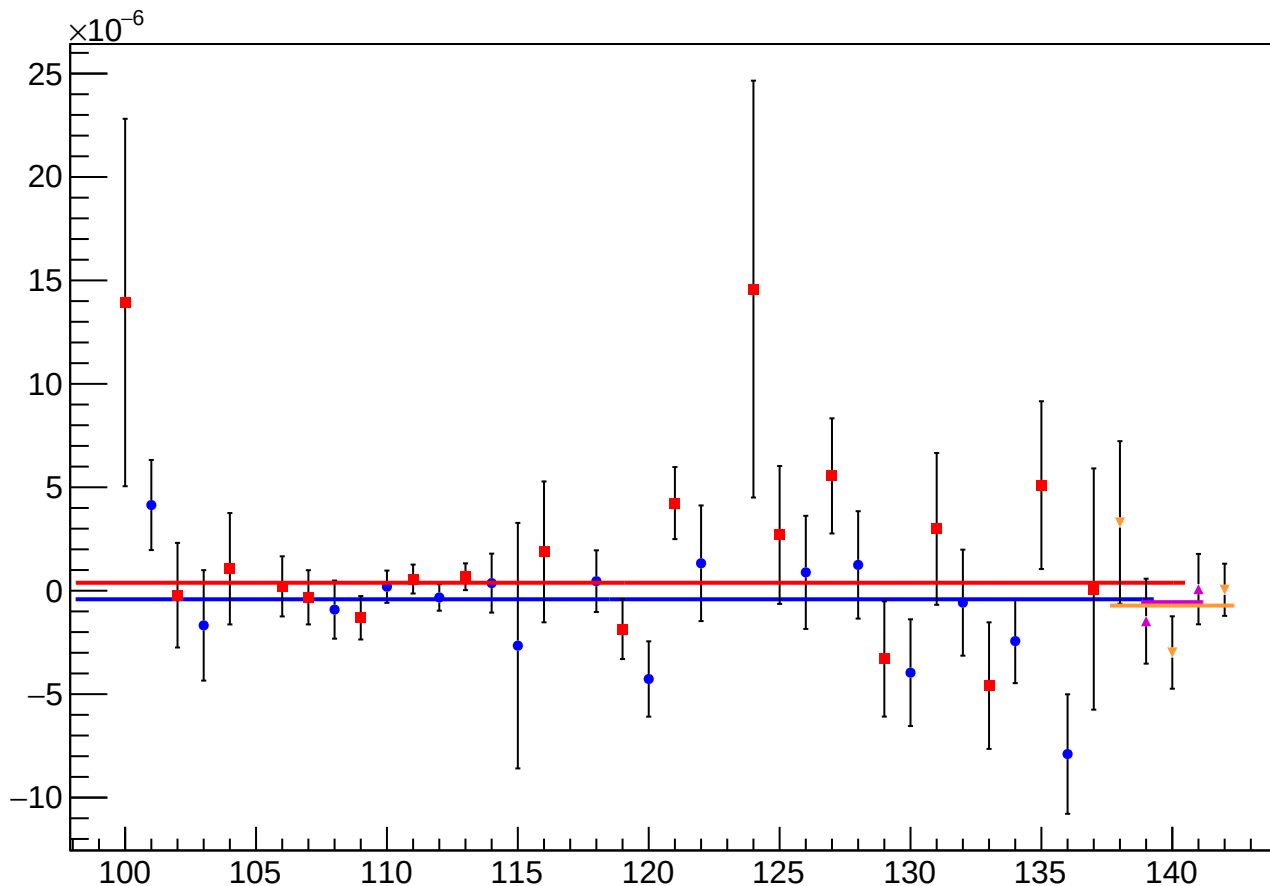
Left In: 34.616+/-0.019 χ^2/NDF : 12514.6/1

+ sign 30.580+/-0.007 χ^2/NDF : 893521.8/18

All: 31.316+/-0.005 χ^2/NDF : 1519770.1/39

- sign 32.125+/-0.008 χ^2/NDF : 605683.1/20

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 : 3.1/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.3/18

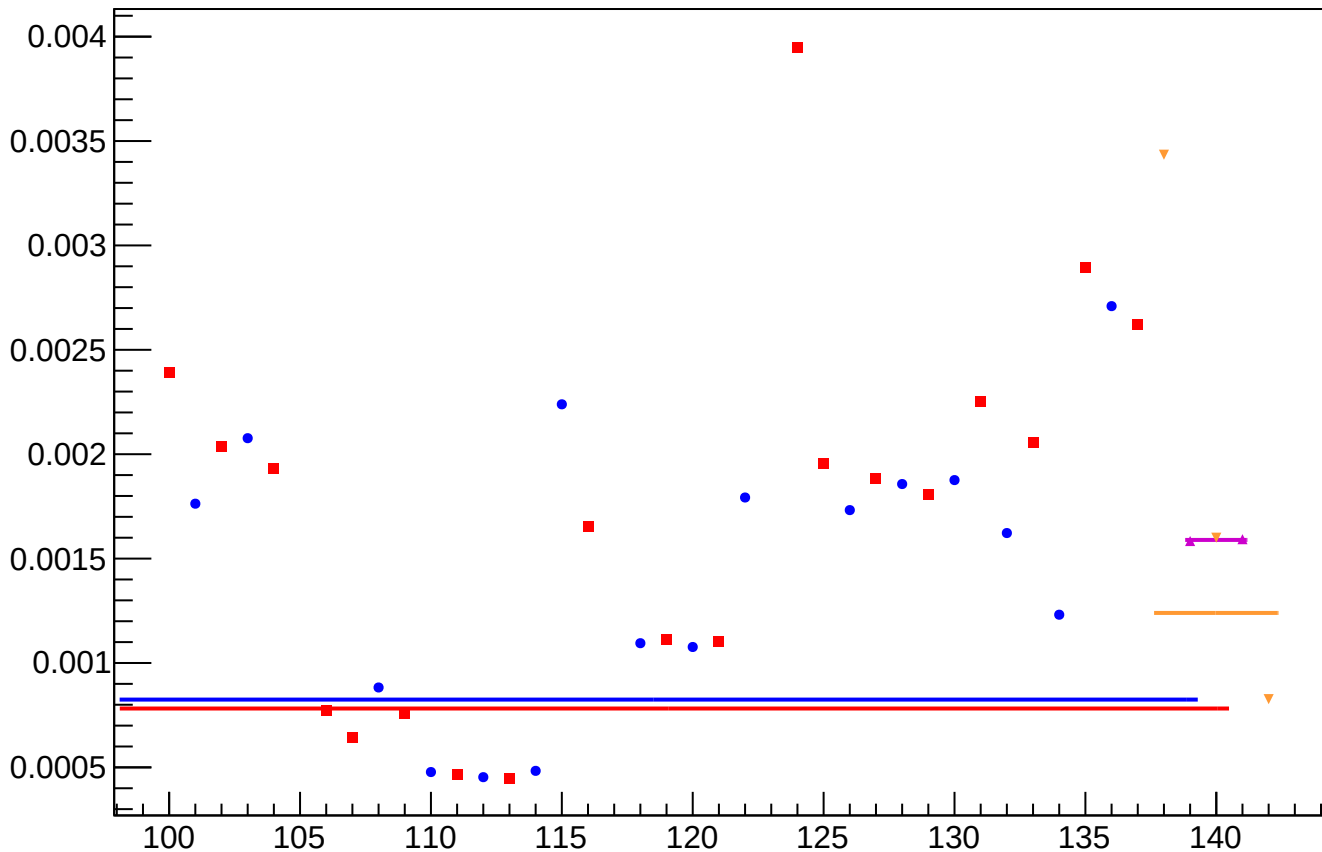
Left In: -0.000 ± 0.000 χ^2/NDF : 0.3/1

+ sign -0.000 ± 0.000 χ^2/NDF : 24.4/18

All: -0.000 ± 0.000 χ^2/NDF : 53.1/39

- sign 0.000 ± 0.000 χ^2/NDF : 26.1/20

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 :922995.4/2

Right Out: 0.001+/-0.000 χ^2/NDF : 4638419.3/18

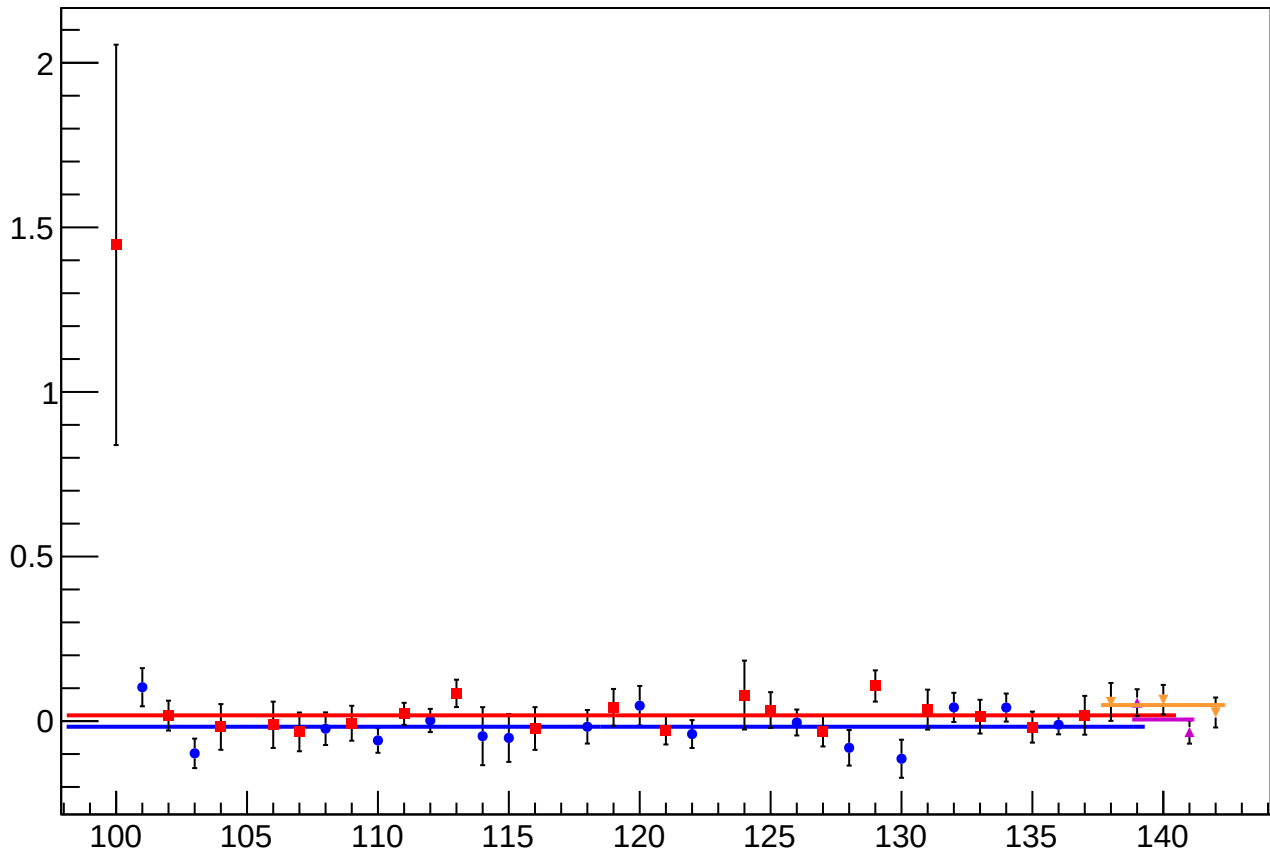
Left In: 0.002+/-0.000 χ^2/NDF :21.7/1

+ sign 0.001+/-0.000 χ^2/NDF : 5679895.5/18

All: 0.001+/-0.000 χ^2/NDF : 11042015.1/39

- sign 0.001+/-0.000 χ^2/NDF : 5348207.1/20

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.017 ± 0.011 χ^2/NDF : 18.8/15

Left Out: 0.049 ± 0.028 χ^2/NDF : 0.4/2

Right Out: 0.018 ± 0.012 χ^2/NDF : 16.8/18

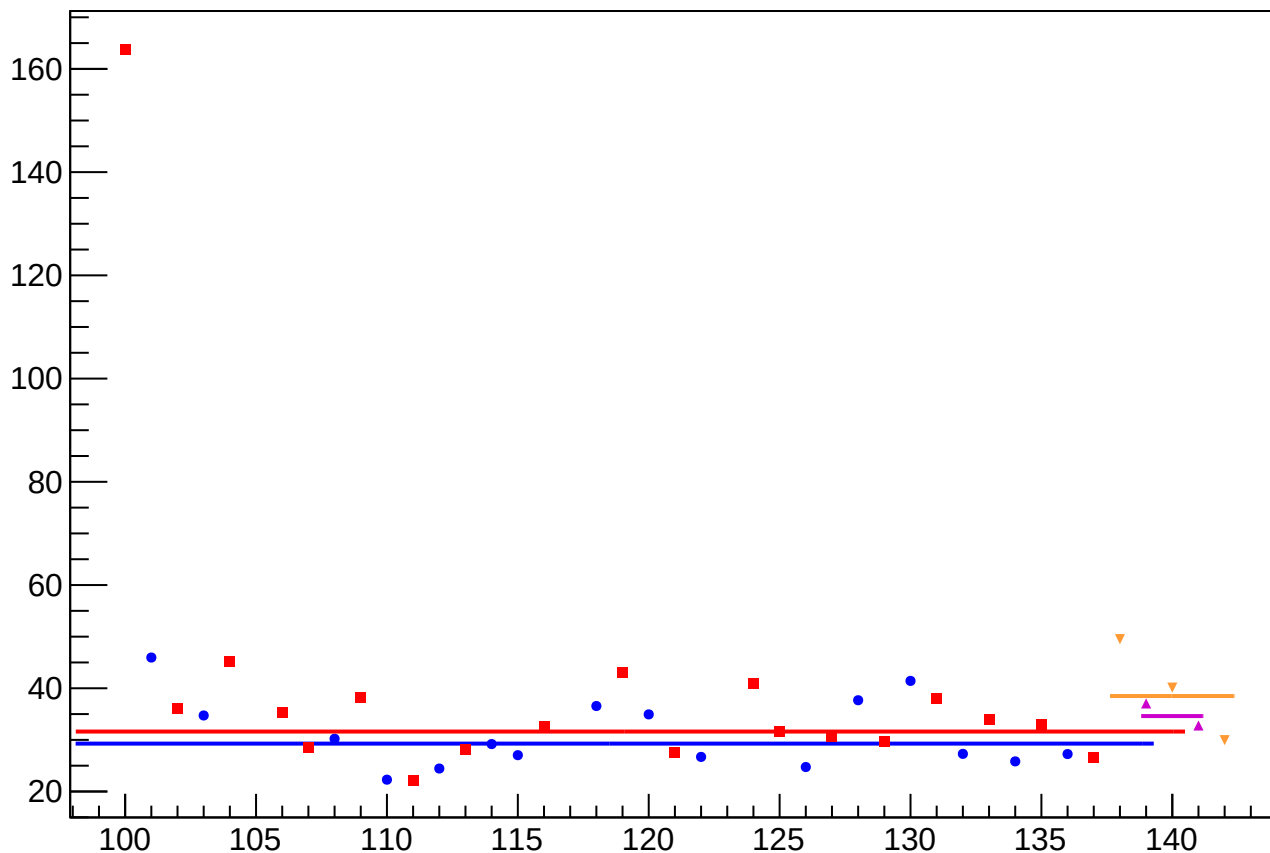
Left In: 0.005 ± 0.027 χ^2/NDF : 2.7/1

+ sign -0.008 ± 0.011 χ^2/NDF : 24.0/18

All: 0.003 ± 0.008 χ^2/NDF : 46.0/39

- sign 0.015 ± 0.011 χ^2/NDF : 19.7/20

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.278 $\pm$ 0.008 χ^2 /NDF: 560654.1/15

Left Out: 38.493 $\pm$ 0.020 χ^2 /NDF: 146425.3/2

Right Out: 31.614 $\pm$ 0.009 χ^2 /NDF: 572187.4/18

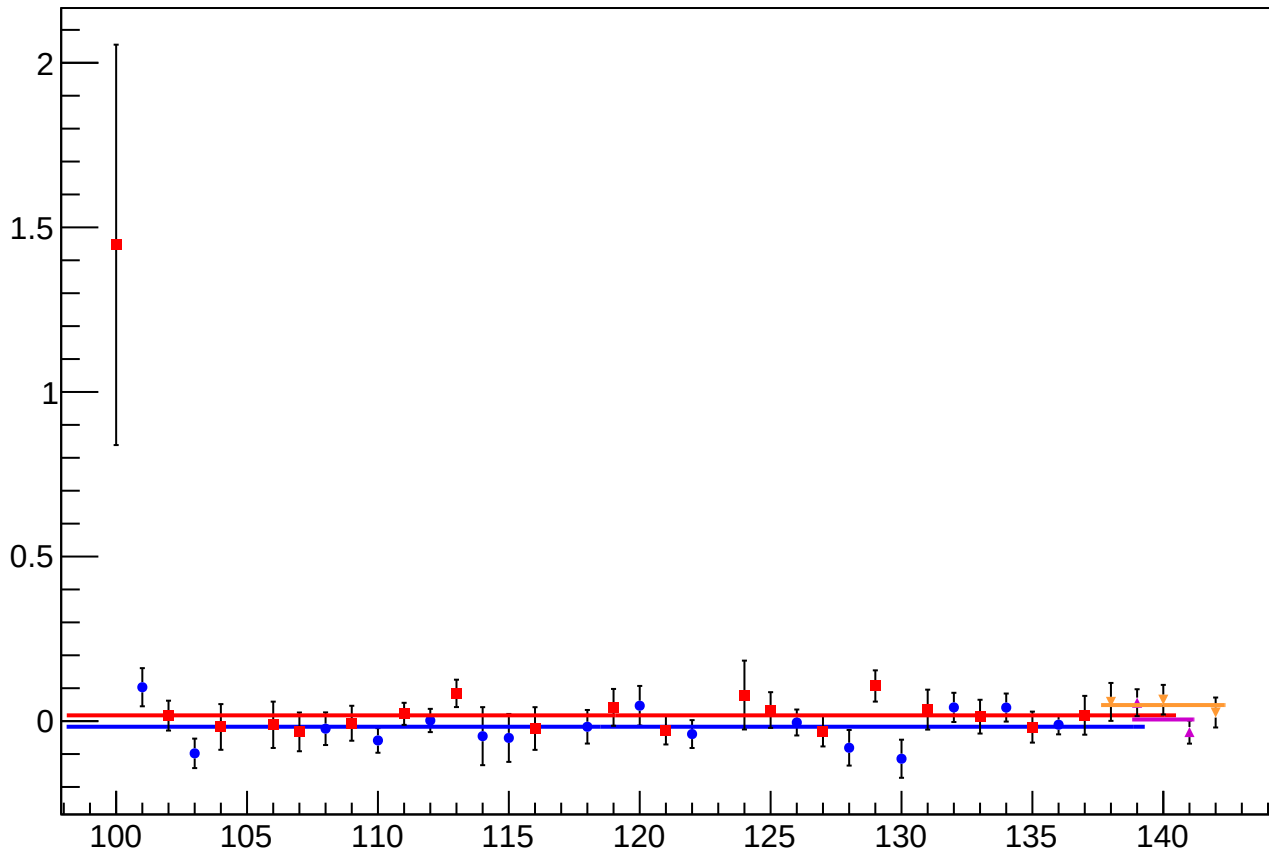
Left In: 34.615 $\pm$ 0.019 χ^2 /NDF: 12515.0/1

+ sign 30.580 $\pm$ 0.007 χ^2 /NDF: 893492.8/18

All: 31.316 $\pm$ 0.005 χ^2 /NDF: 1519724.8/39

- sign 32.125 $\pm$ 0.008 χ^2 /NDF: 605667.0/20

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017 $\pm$ 0.011 χ^2 /NDF: 18.8/15

Left Out: 0.049 $\pm$ 0.028 χ^2 /NDF: 0.4/2

Right Out: 0.018 $\pm$ 0.012 χ^2 /NDF: 16.8/18

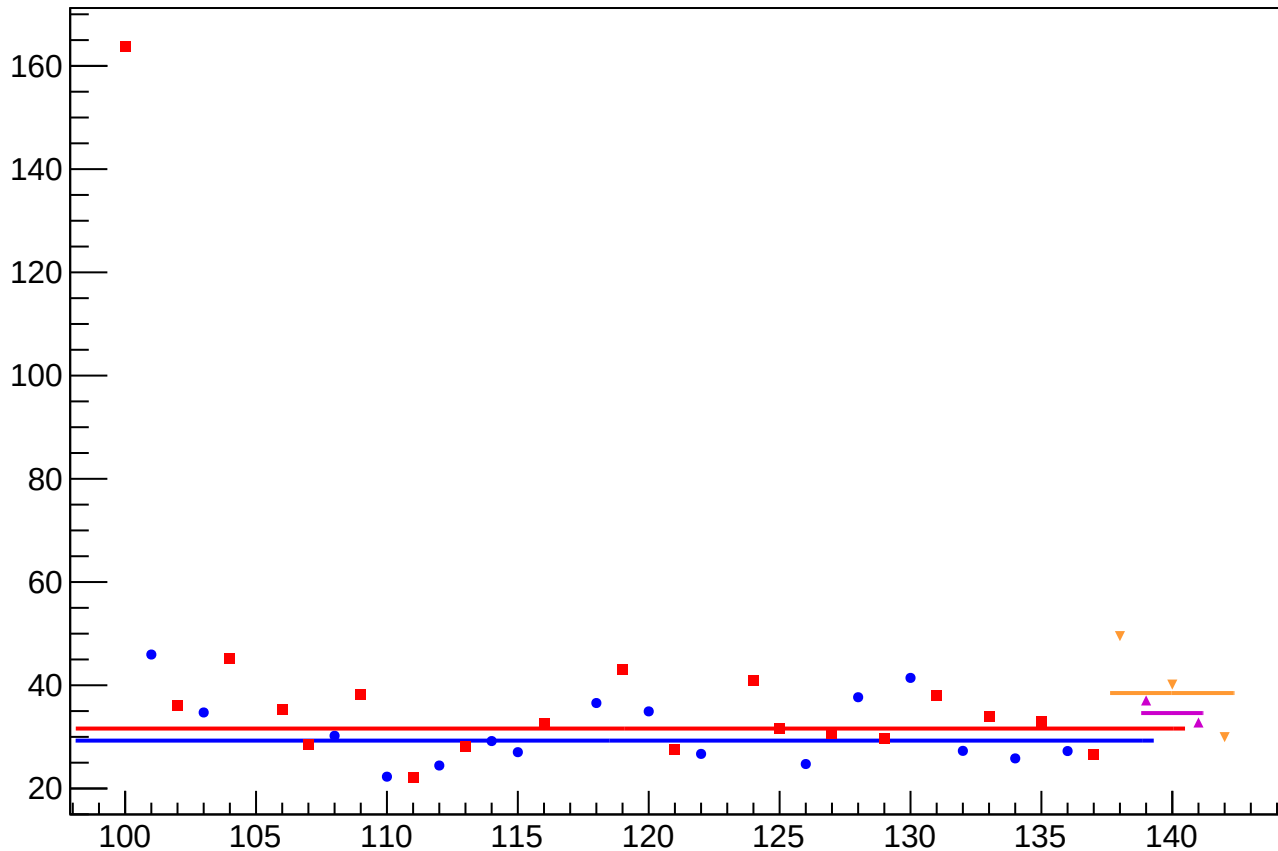
Left In: 0.005 $\pm$ 0.027 χ^2 /NDF: 2.7/1

+ sign -0.008 $\pm$ 0.011 χ^2 /NDF: 24.0/18

All: 0.003 $\pm$ 0.008 χ^2 /NDF: 46.0/39

- sign 0.015 $\pm$ 0.011 χ^2 /NDF: 19.7/20

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF : 560654.1/15

Left Out: 38.493+/-0.020 χ^2/NDF :146425.3/2

Right Out: 31.614+/-0.009 χ^2/NDF : 572187.4/18

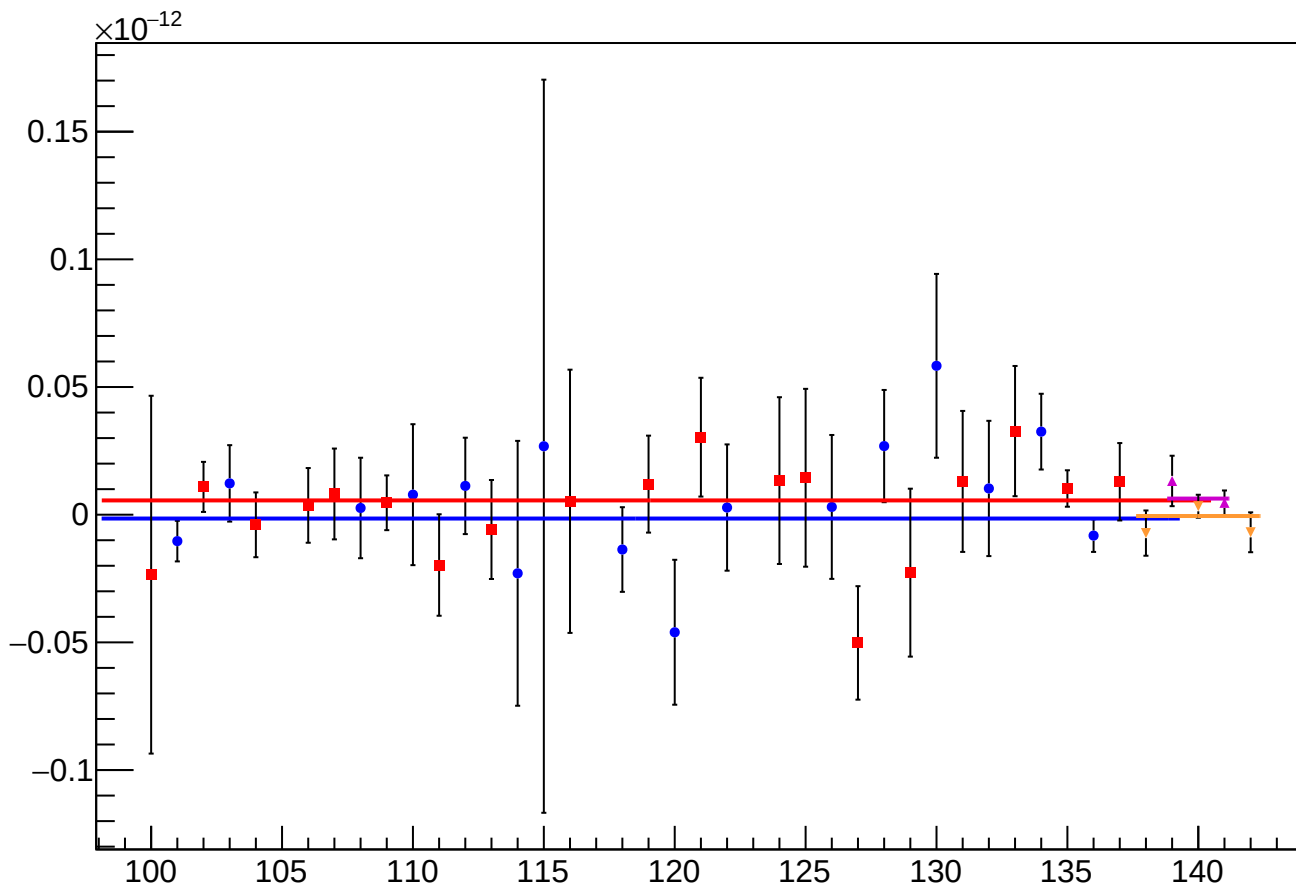
Left In: 34.615+/-0.019 χ^2/NDF :12515.0/1

+ sign 30.580+/-0.007 χ^2/NDF : 893492.8/18

All: 31.316+/-0.005 χ^2/NDF : 1519724.8/39

- sign 32.125+/-0.008 χ^2/NDF : 605667.0/20

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 : 2.0/2

Right Out: 0.000+/-0.000 χ^2/NDF : 13.3/18

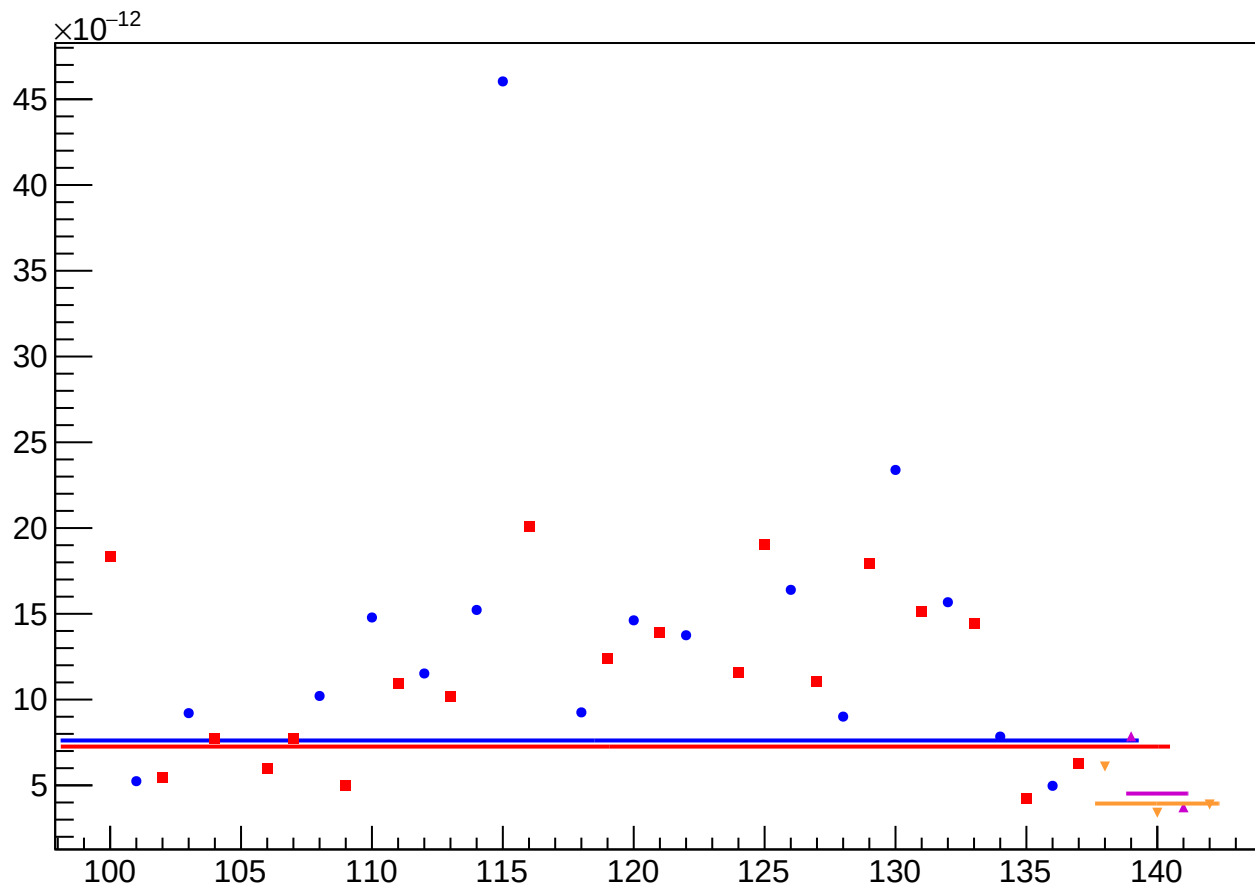
Left In: 0.000+/-0.000 χ^2/NDF : 0.6/1

+ sign -0.000+/-0.000 χ^2/NDF : 18.9/18

All: 0.000+/-0.000 χ^2/NDF : 36.1/39

- sign 0.000+/-0.000 χ^2/NDF : 13.9/20

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 :147018.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1998231.7/18

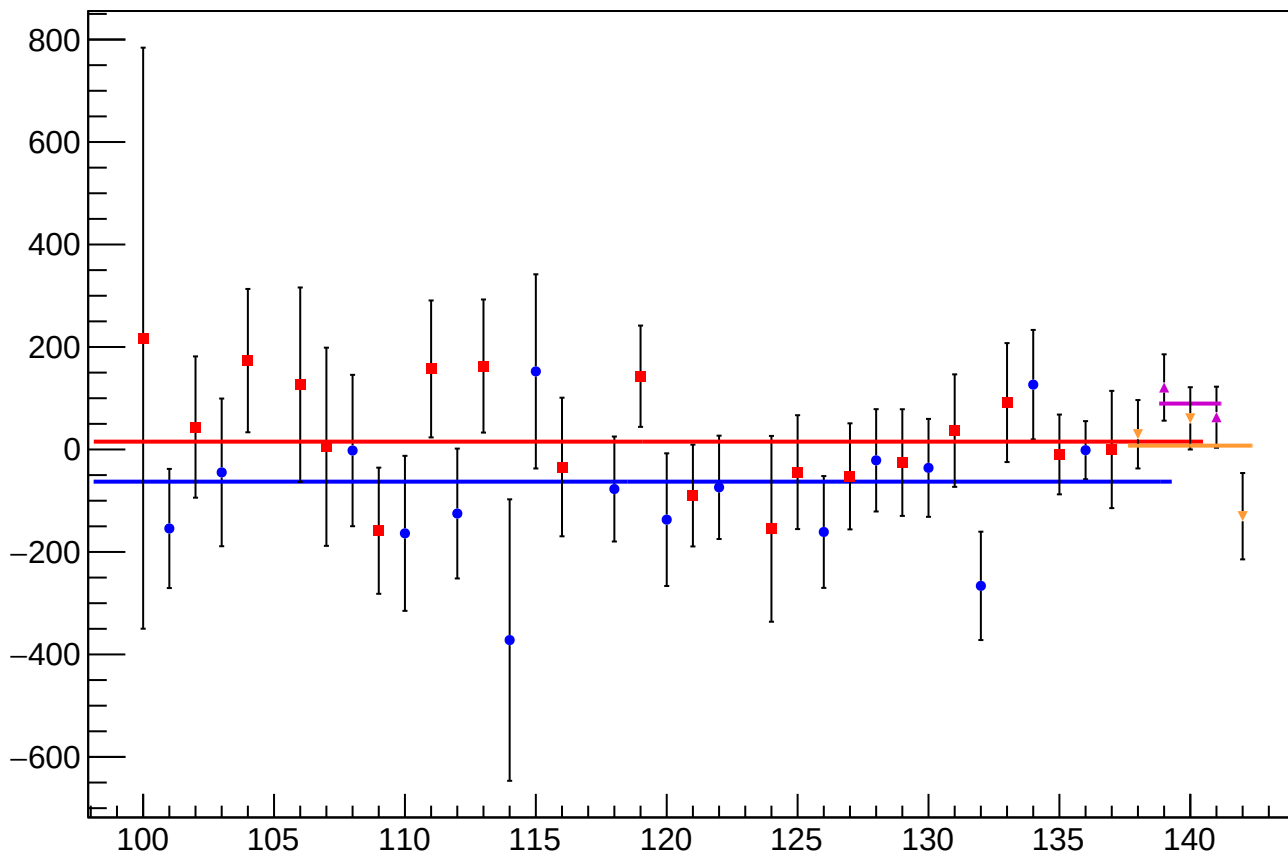
Left In: 0.000+/-0.000 χ^2/NDF :283393.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3157875.6/18

All: 0.000+/-0.000 χ^2/NDF : 5936858.0/39

- sign 0.000+/-0.000 χ^2/NDF : 2748020.5/20

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798 ± 27.213 χ^2/NDF : 13.5/15

Left Out: 7.492 ± 39.649 χ^2/NDF : 3.6/2

Right Out: 15.288 ± 27.770 χ^2/NDF : 11.5/18

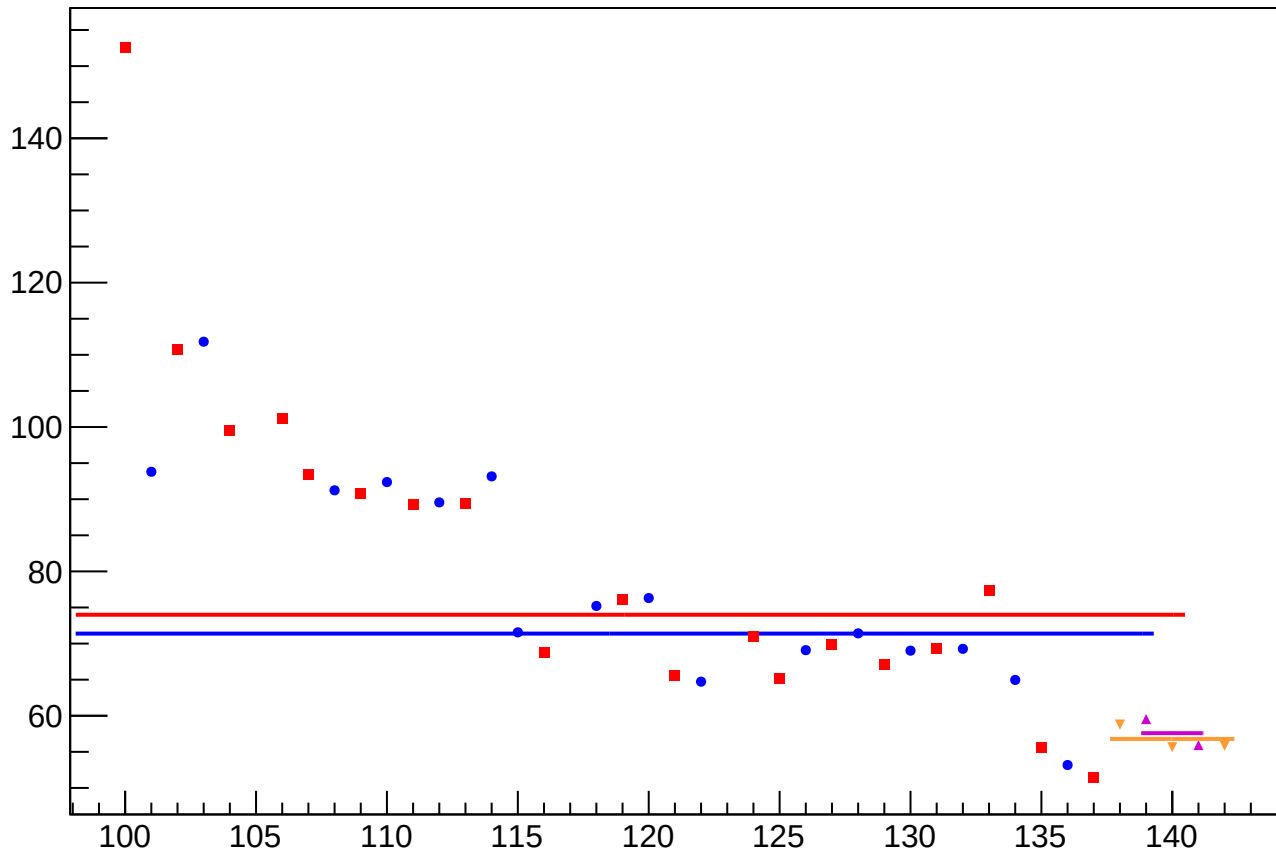
Left In: 89.554 ± 43.852 χ^2/NDF : 0.4/1

+ sign -40.289 ± 22.437 χ^2/NDF : 19.2/18

All: -3.586 ± 16.215 χ^2/NDF : 38.7/39

- sign 36.546 ± 23.461 χ^2/NDF : 14.0/20

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF : 590909.3/15

Left Out: 56.792+/-0.028 χ^2/NDF : 2747.8/2

Right Out: 73.994+/-0.020 χ^2/NDF : 638445.5/18

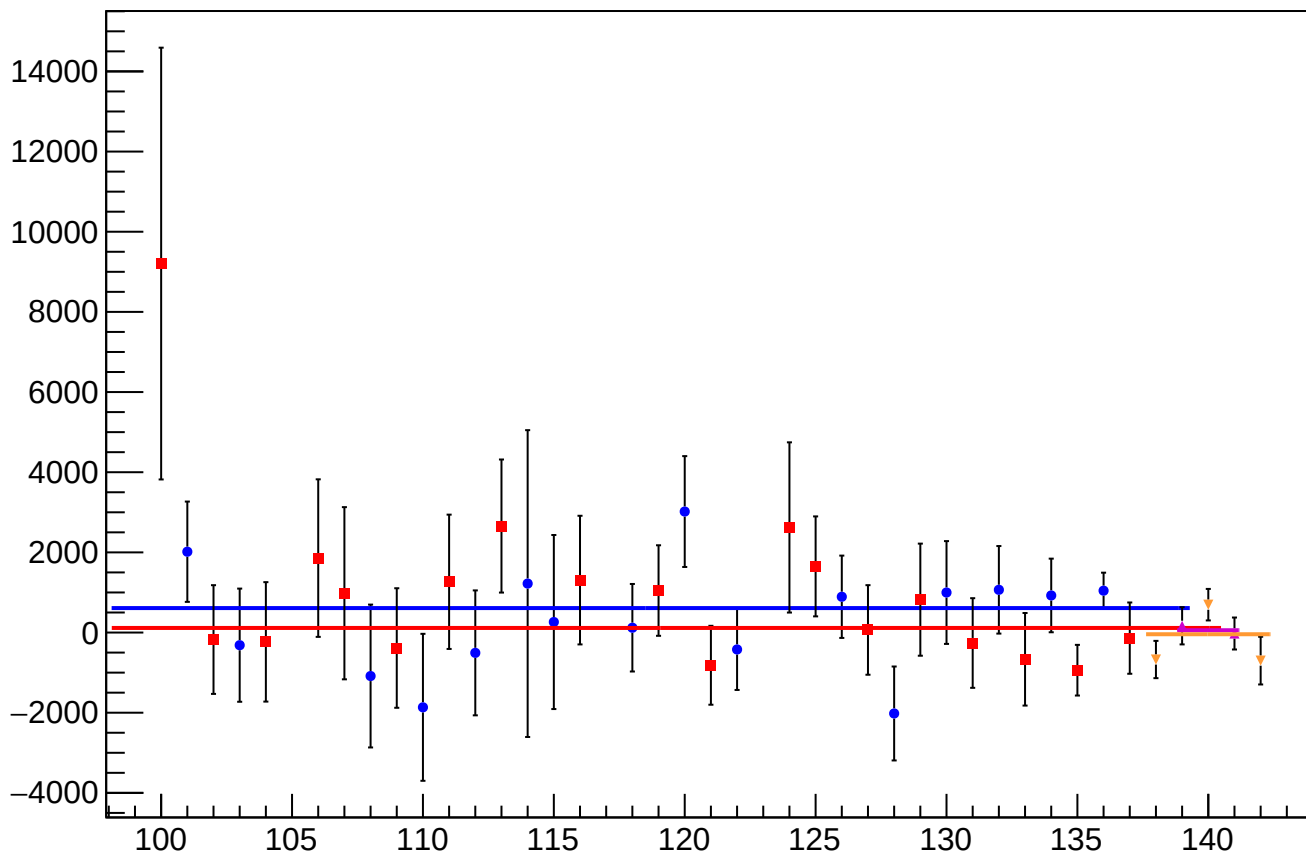
Left In: 57.592+/-0.031 χ^2/NDF : 3347.3/1

+ sign 66.711+/-0.016 χ^2/NDF : 777777.0/18

All: 67.947+/-0.011 χ^2/NDF : 1631992.9/39

- sign 69.299+/-0.017 χ^2/NDF : 841504.9/20

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: -42.350 $\pm$ 268.077 χ^2 /NDF:6.6/2

Right Out: 114.633 $\pm$ 284.312 χ^2 /NDF: 15.6/18

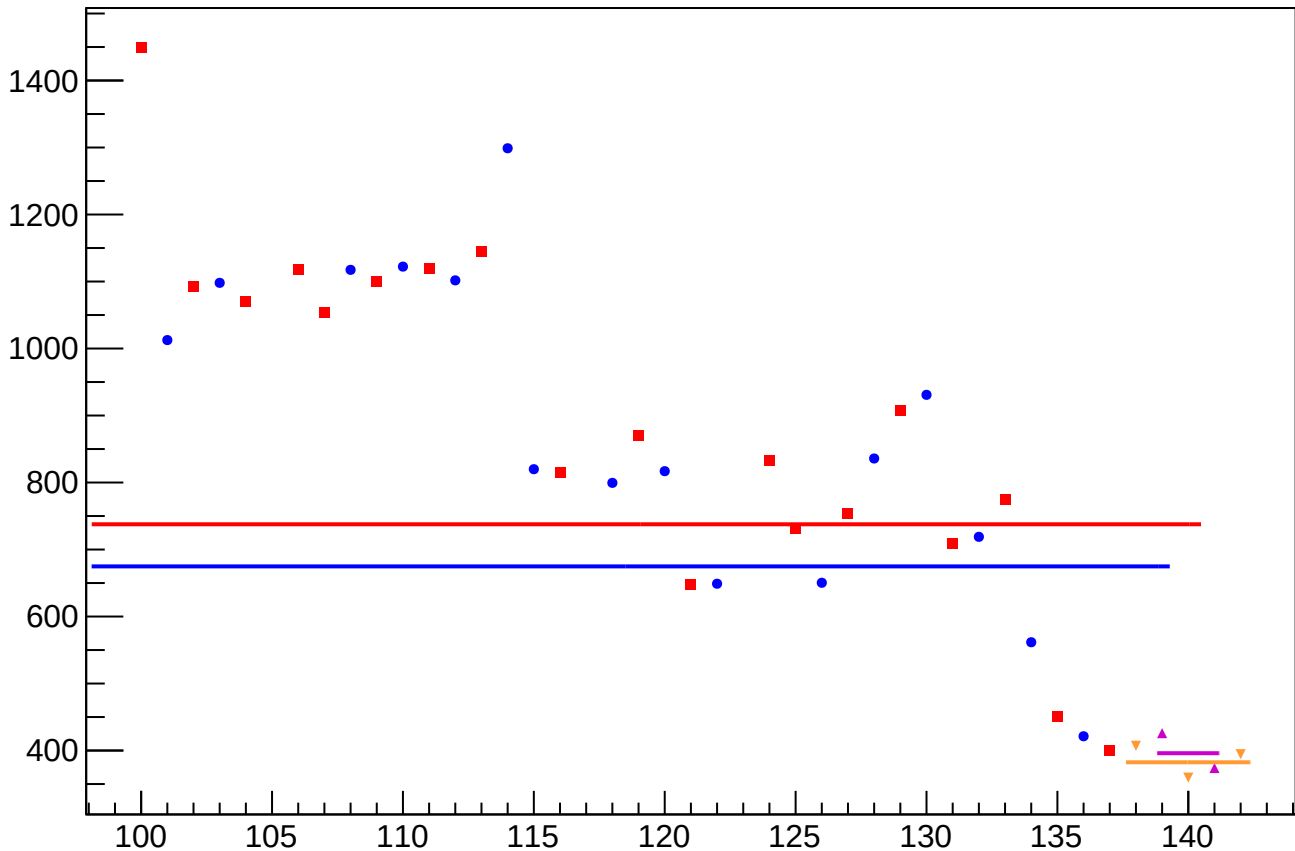
Left In: 57.556 $\pm$ 302.438 χ^2 /NDF:0.1/1

+ sign 285.661 $\pm$ 189.107 χ^2 /NDF: 25.3/18

All: 195.747 $\pm$ 139.663 χ^2 /NDF: 41.4/39

- sign 87.856 $\pm$ 207.150 χ^2 /NDF: 15.7/20

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF : 1617598.7/15

Left Out: 382.454+/-0.190 χ^2/NDF :13193.8/2

Right Out: 737.674+/-0.201 χ^2/NDF : 1516748.6/18

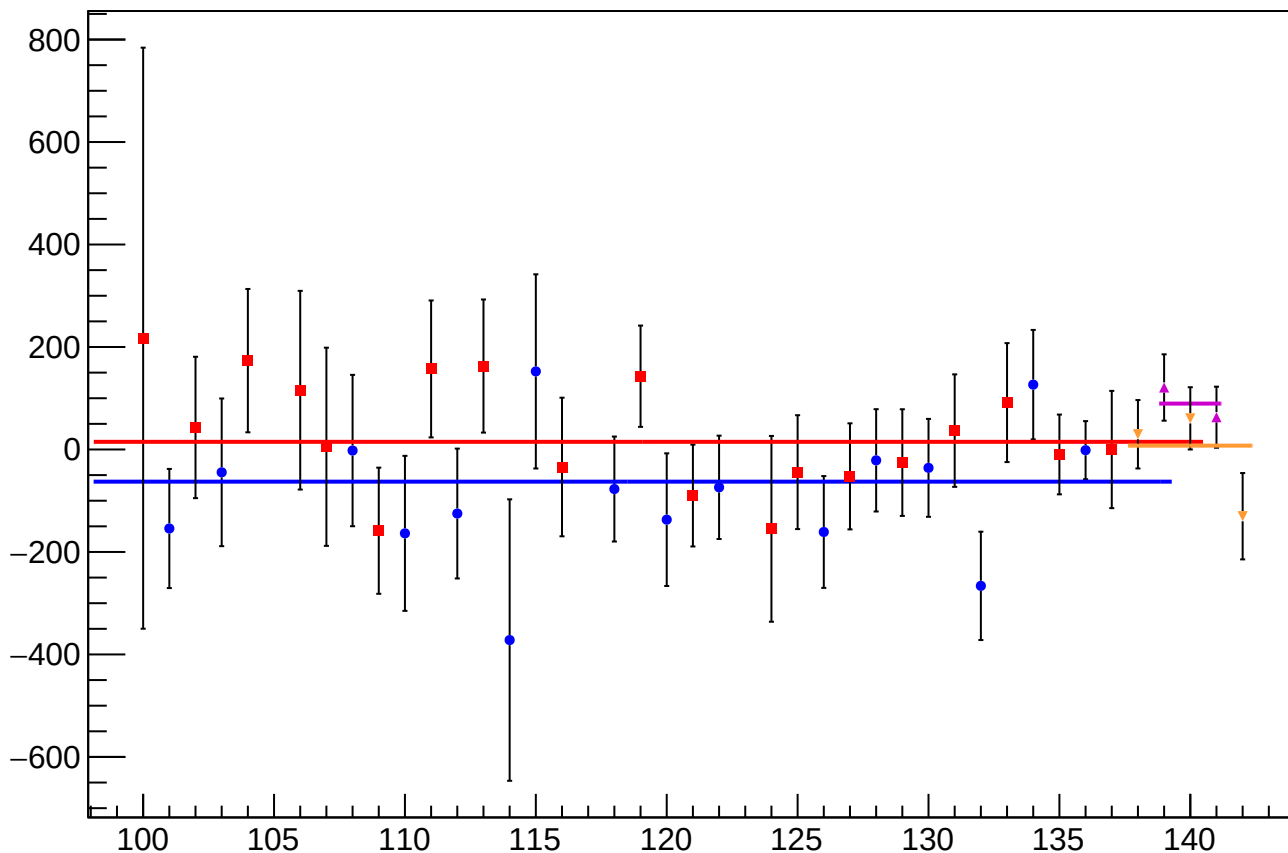
Left In: 396.019+/-0.214 χ^2/NDF :14462.3/1

+ sign 529.339+/-0.134 χ^2/NDF : 2825963.3/18

All: 551.181+/-0.099 χ^2/NDF : 5770798.6/39

- sign 577.391+/-0.146 χ^2/NDF : 2886136.3/20

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789 ± 27.213 χ^2/NDF : 13.5/15

Left Out: 7.489 ± 39.649 χ^2/NDF : 3.6/2

Right Out: 14.932 ± 27.783 χ^2/NDF : 11.4/18

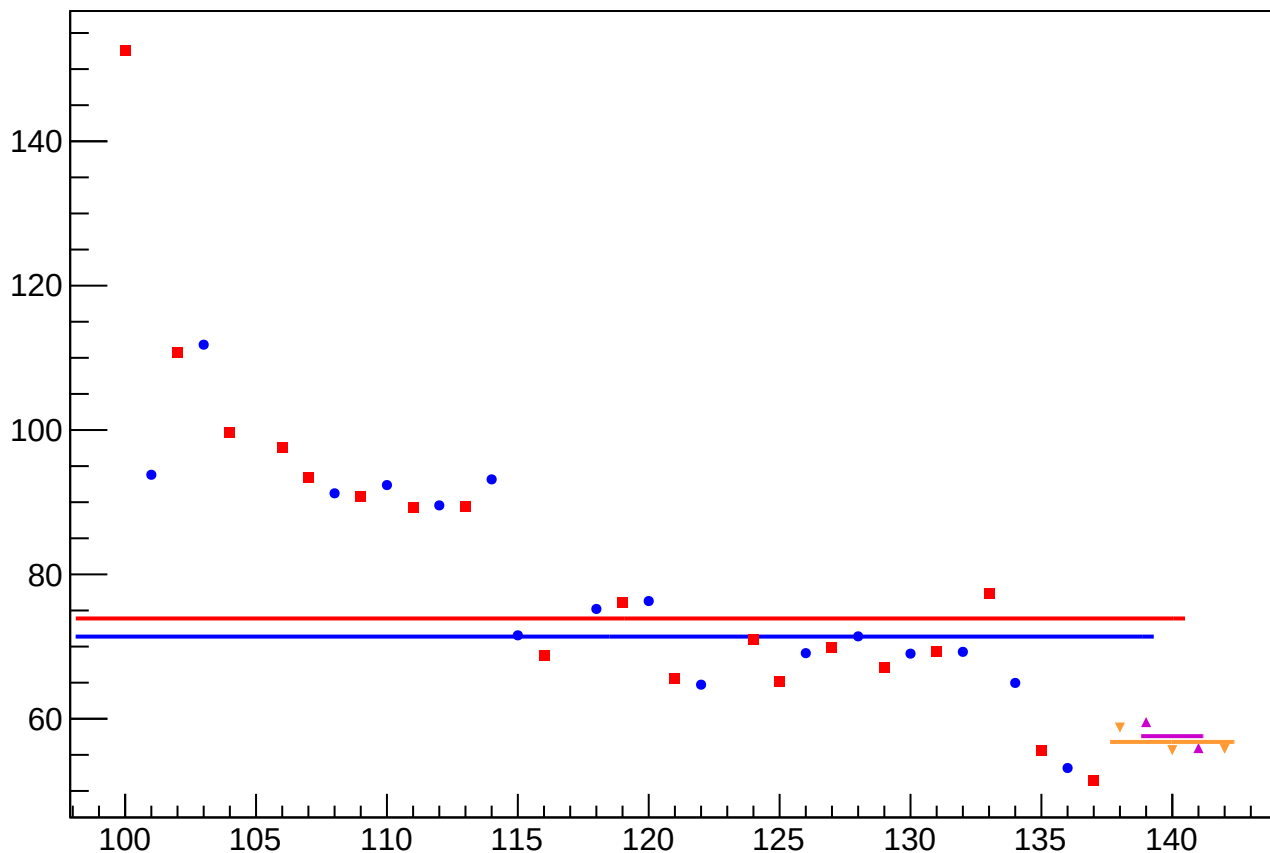
Left In: 89.557 ± 43.852 χ^2/NDF : 0.4/1

+ sign -40.284 ± 22.437 χ^2/NDF : 19.2/18

All: -3.711 ± 16.218 χ^2/NDF : 38.6/39

- sign 36.307 ± 23.469 χ^2/NDF : 13.9/20

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383 $\pm$ 0.019 χ^2 /NDF: 590911.7/15

Left Out: 56.792 $\pm$ 0.028 χ^2 /NDF: 2747.8/2

Right Out: 73.894 $\pm$ 0.020 χ^2 /NDF: 627014.3/18

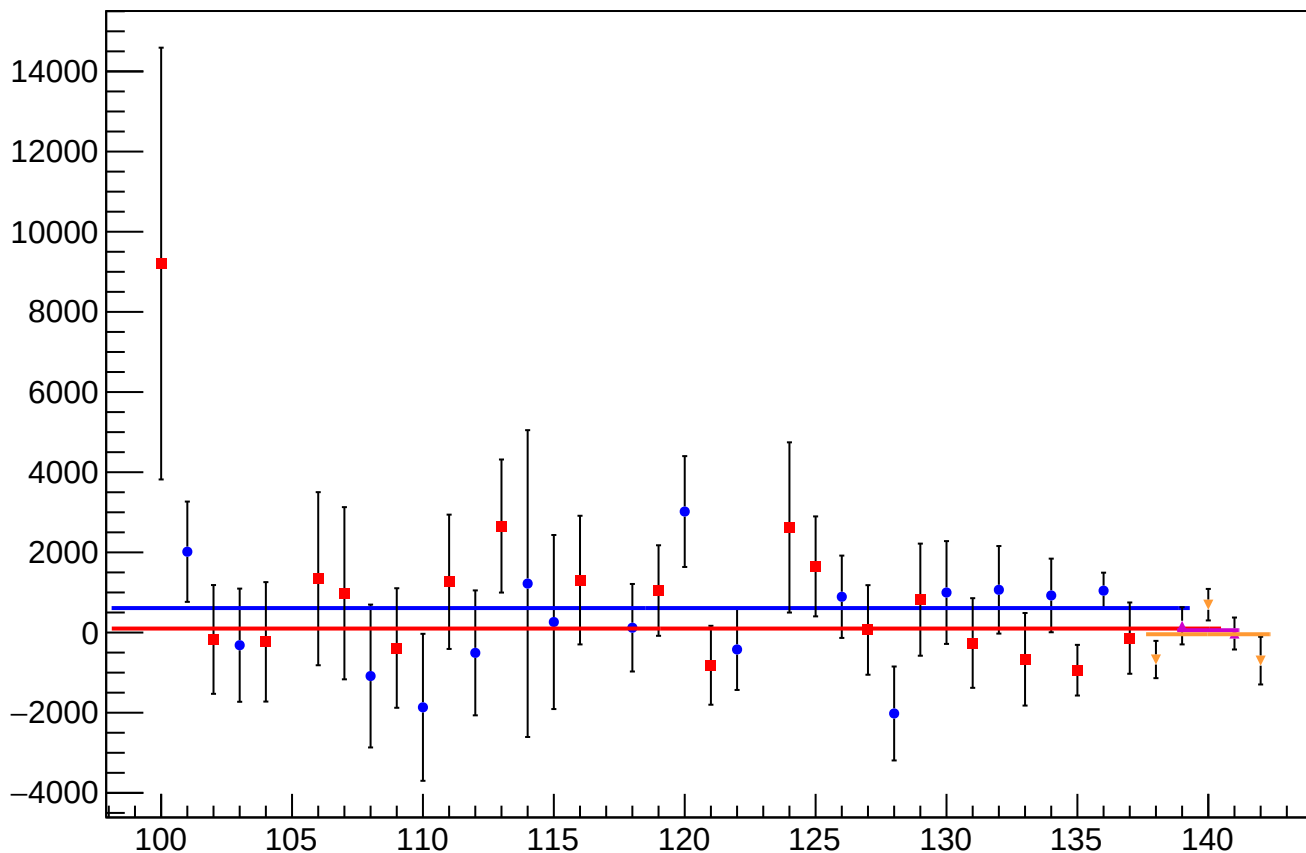
Left In: 57.592 $\pm$ 0.031 χ^2 /NDF: 3347.3/1

+ sign 66.711 $\pm$ 0.016 χ^2 /NDF: 777779.5/18

All: 67.911 $\pm$ 0.011 χ^2 /NDF: 1617364.4/39

- sign 69.224 $\pm$ 0.017 χ^2 /NDF: 827598.1/20

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: -42.346 $\pm$ 268.077 χ^2 /NDF: 6.6/2

Right Out: 99.555 $\pm$ 284.831 χ^2 /NDF: 15.1/18

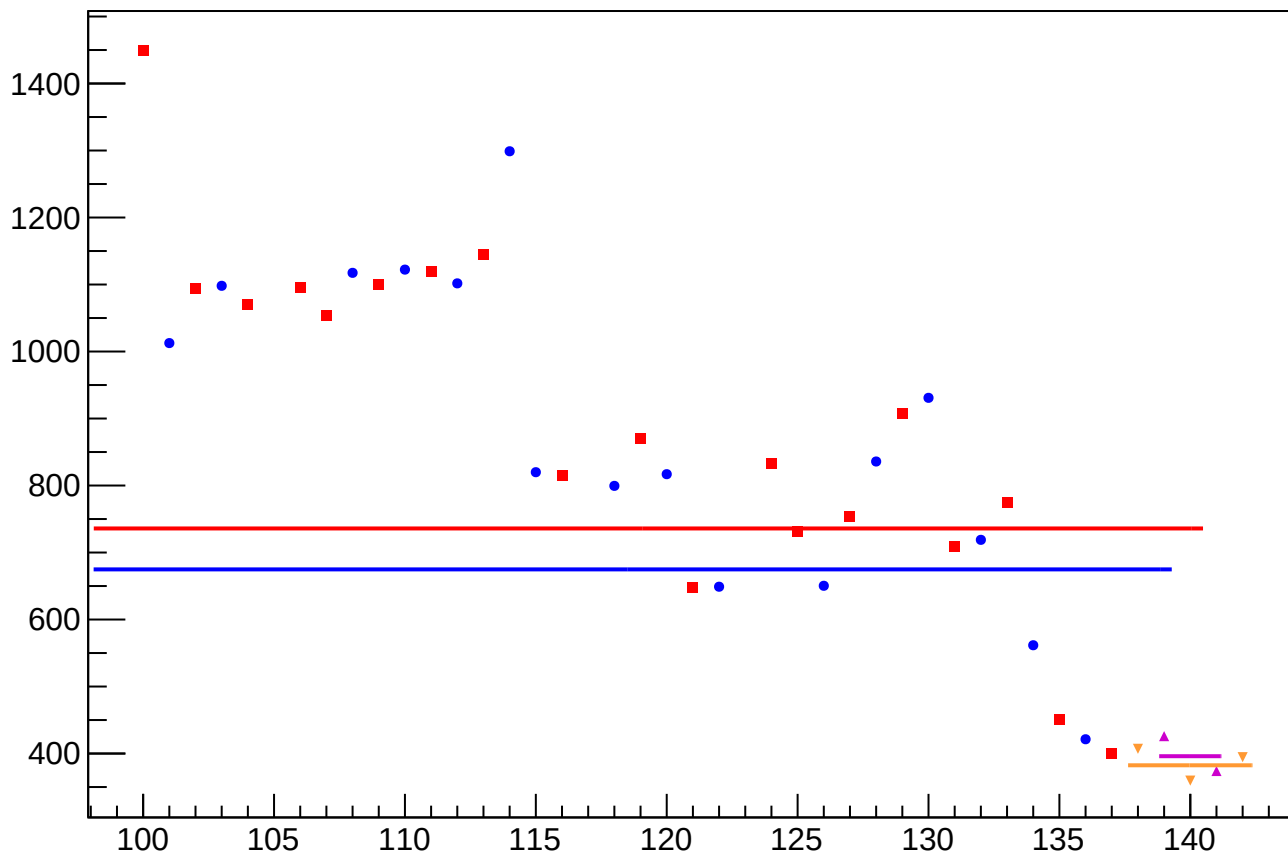
Left In: 57.568 $\pm$ 302.438 χ^2 /NDF: 0.1/1

+ sign 285.657 $\pm$ 189.107 χ^2 /NDF: 25.3/18

All: 192.190 $\pm$ 139.724 χ^2 /NDF: 41.0/39

- sign 79.819 $\pm$ 207.351 χ^2 /NDF: 15.2/20

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF : 1617624.1/15

Left Out: 382.454+/-0.190 χ^2/NDF : 13194.2/2

Right Out: 735.919+/-0.201 χ^2/NDF : 1496977.2/18

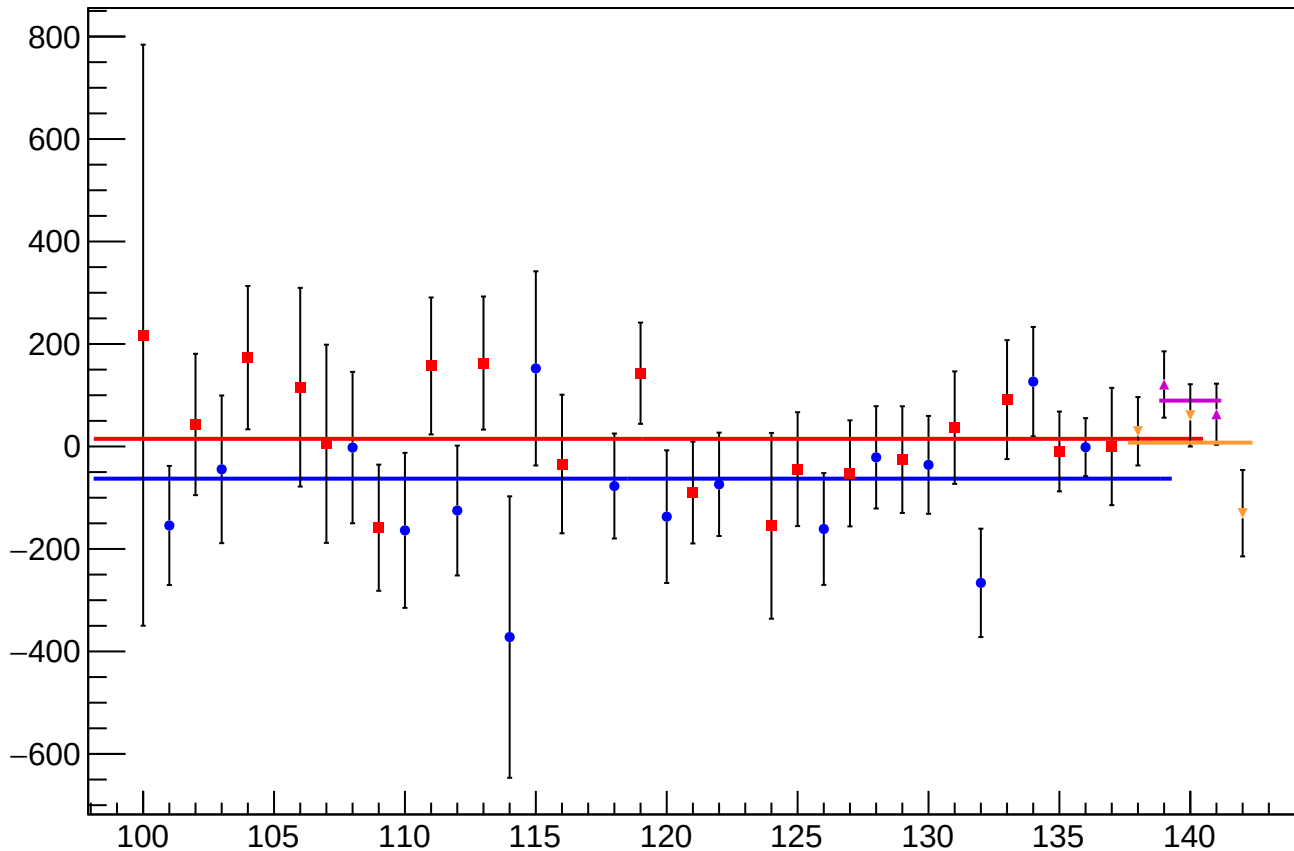
Left In: 396.019+/-0.214 χ^2/NDF : 14462.0/1

+ sign 529.339+/-0.134 χ^2/NDF : 2825990.5/18

All: 550.595+/-0.099 χ^2/NDF : 5731823.0/39

- sign 576.151+/-0.147 χ^2/NDF : 2850182.9/20

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789 ± 27.213 χ^2/NDF : 13.5/15

Left Out: 7.489 ± 39.649 χ^2/NDF : 3.6/2

Right Out: 14.932 ± 27.783 χ^2/NDF : 11.4/18

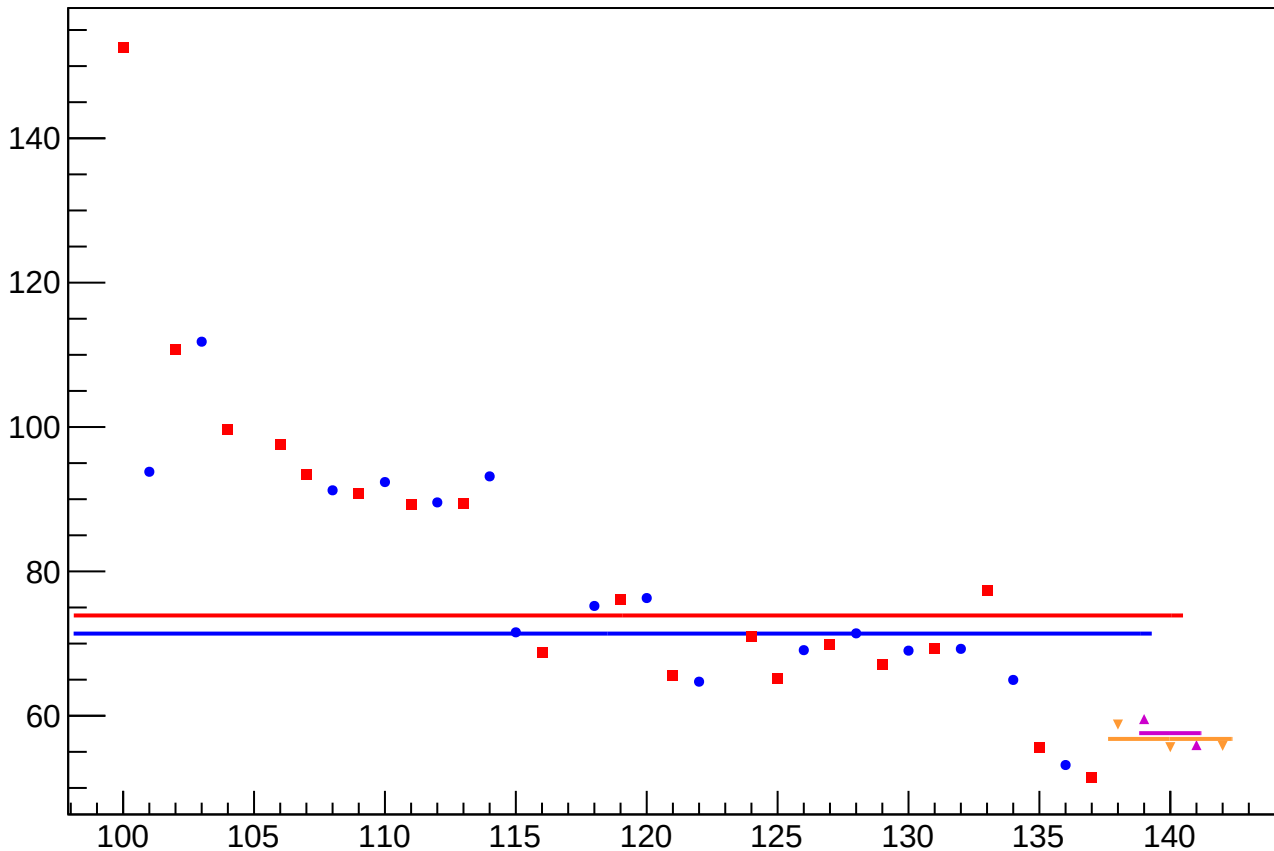
Left In: 89.557 ± 43.852 χ^2/NDF : 0.4/1

+ sign -40.284 ± 22.437 χ^2/NDF : 19.2/18

All: -3.711 ± 16.218 χ^2/NDF : 38.6/39

- sign 36.307 ± 23.469 χ^2/NDF : 13.9/20

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383 $\pm$ 0.019 χ^2/NDF : 590911.7/15

Left Out: 56.792 $\pm$ 0.028 χ^2/NDF : 2747.8/2

Right Out: 73.894 $\pm$ 0.020 χ^2/NDF : 627014.3/18

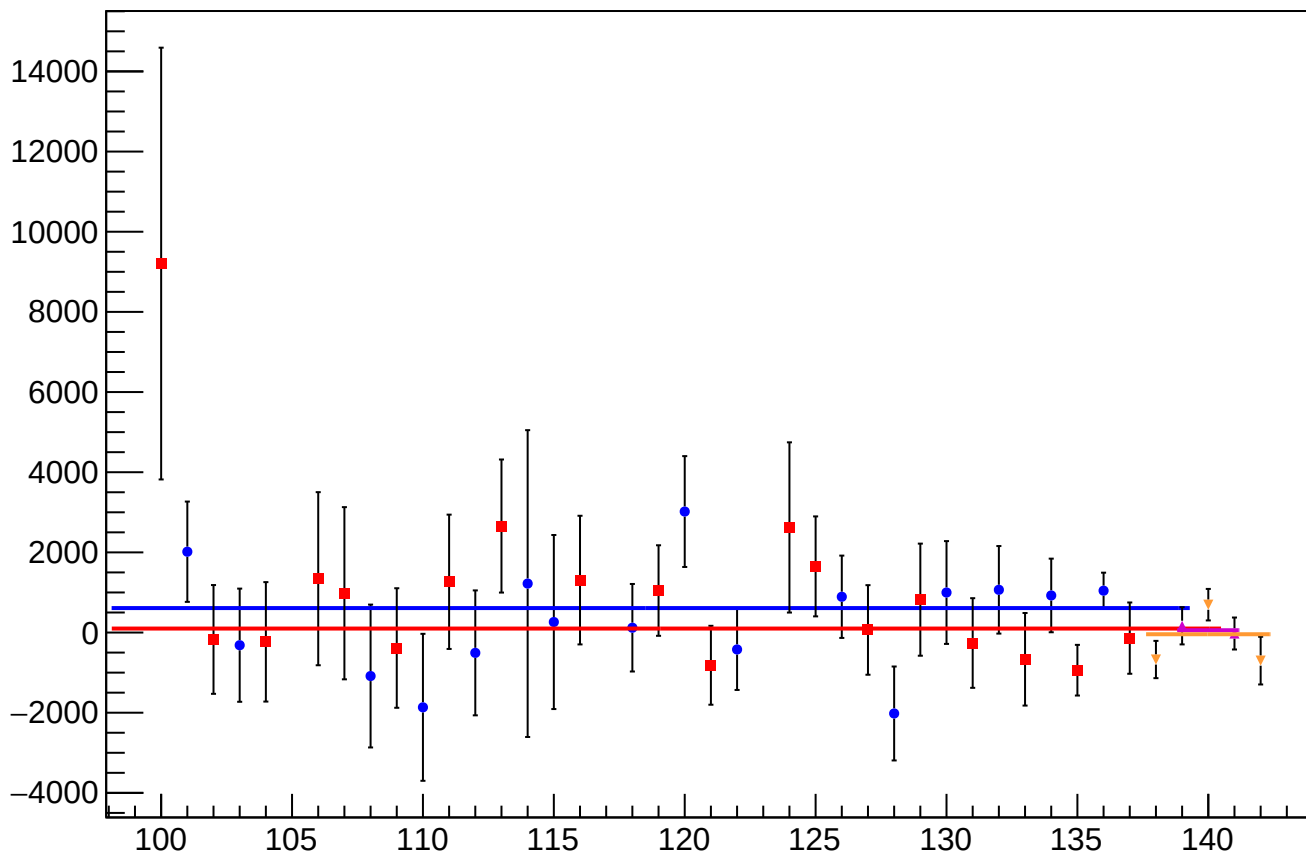
Left In: 57.592 $\pm$ 0.031 χ^2/NDF : 3347.3/1

+ sign 66.711 $\pm$ 0.016 χ^2/NDF : 777779.5/18

All: 67.911 $\pm$ 0.011 χ^2/NDF : 1617364.4/39

- sign 69.224 $\pm$ 0.017 χ^2/NDF : 827598.1/20

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: -42.346 $\pm$ 268.077 χ^2 /NDF: 6.6/2

Right Out: 99.555 $\pm$ 284.831 χ^2 /NDF: 15.1/18

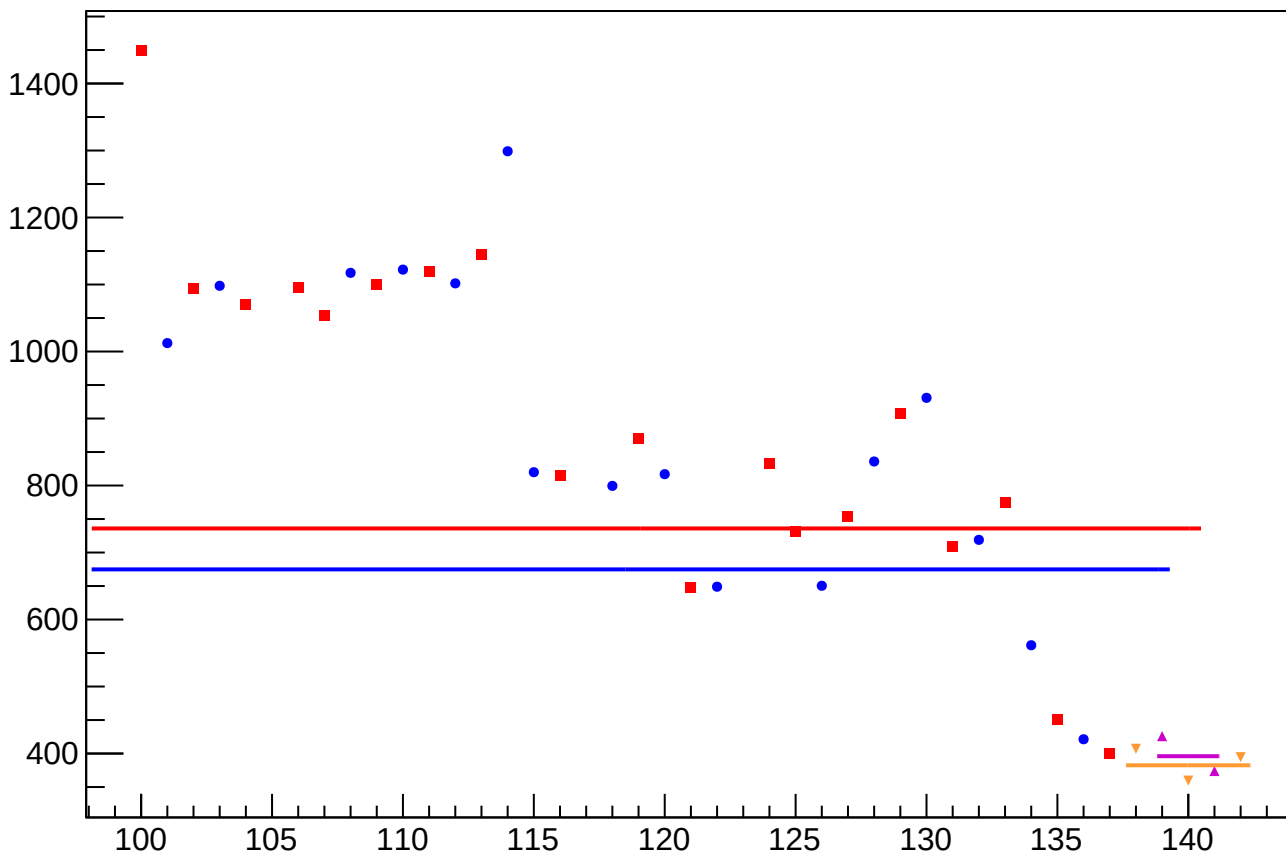
Left In: 57.568 $\pm$ 302.438 χ^2 /NDF: 0.1/1

+ sign 285.657 $\pm$ 189.107 χ^2 /NDF: 25.3/18

All: 192.190 $\pm$ 139.724 χ^2 /NDF: 41.0/39

- sign 79.819 $\pm$ 207.351 χ^2 /NDF: 15.2/20

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: 382.454+/-0.190 χ^2/NDF : 13194.2/2

Right Out: 735.919+/-0.201 χ^2/NDF : 1496977.2/18

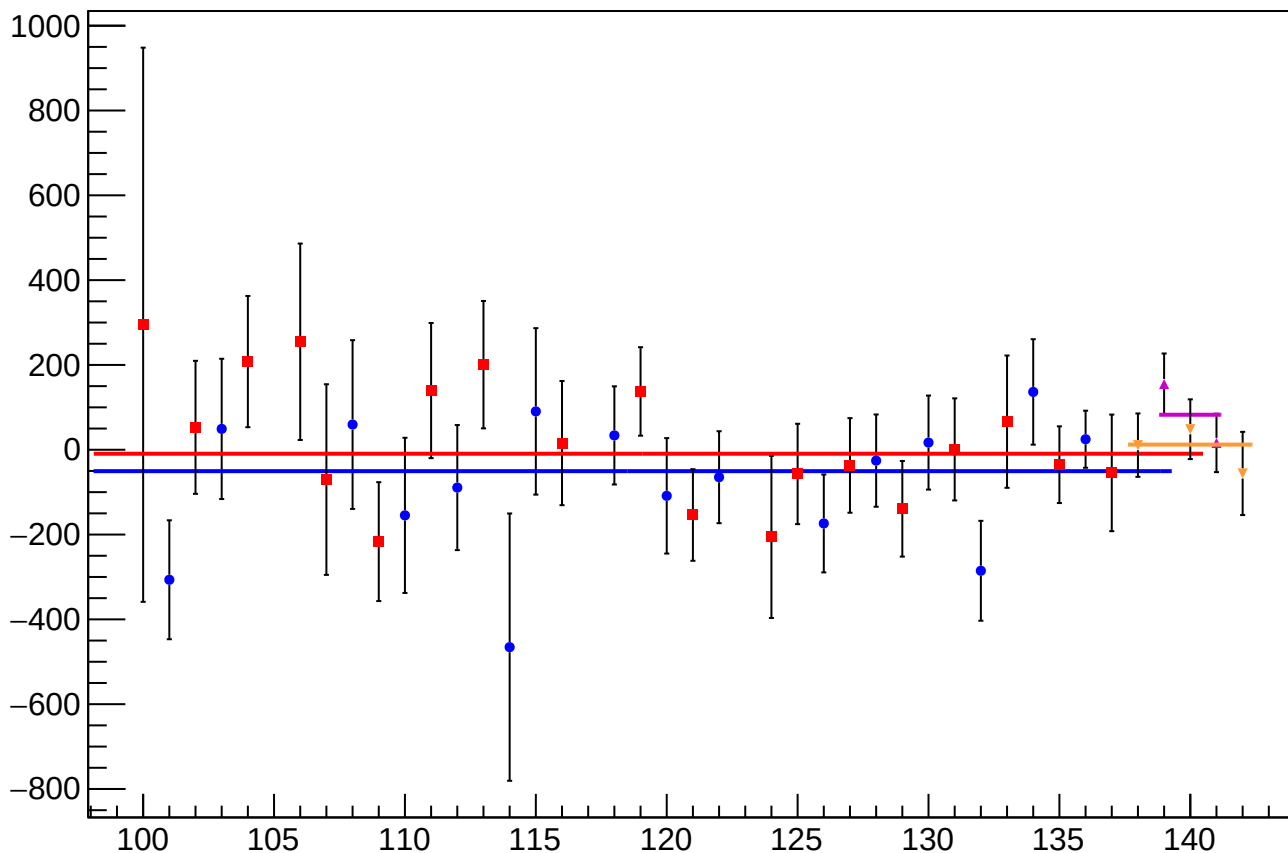
Left In: 396.019+/-0.214 χ^2/NDF : 14462.0/1

+ sign 529.339+/-0.134 χ^2/NDF : 2825990.5/18

All: 550.595+/-0.099 χ^2/NDF : 5731823.0/39

- sign 576.151+/-0.147 χ^2/NDF : 2850182.9/20

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465 ± 31.061 $\chi^2/\text{NDF}: 16.4/15$

Left Out: 12.153 ± 45.444 $\chi^2/\text{NDF}: 0.7/2$

Right Out: -9.380 ± 31.235 $\chi^2/\text{NDF}: 15.6/18$

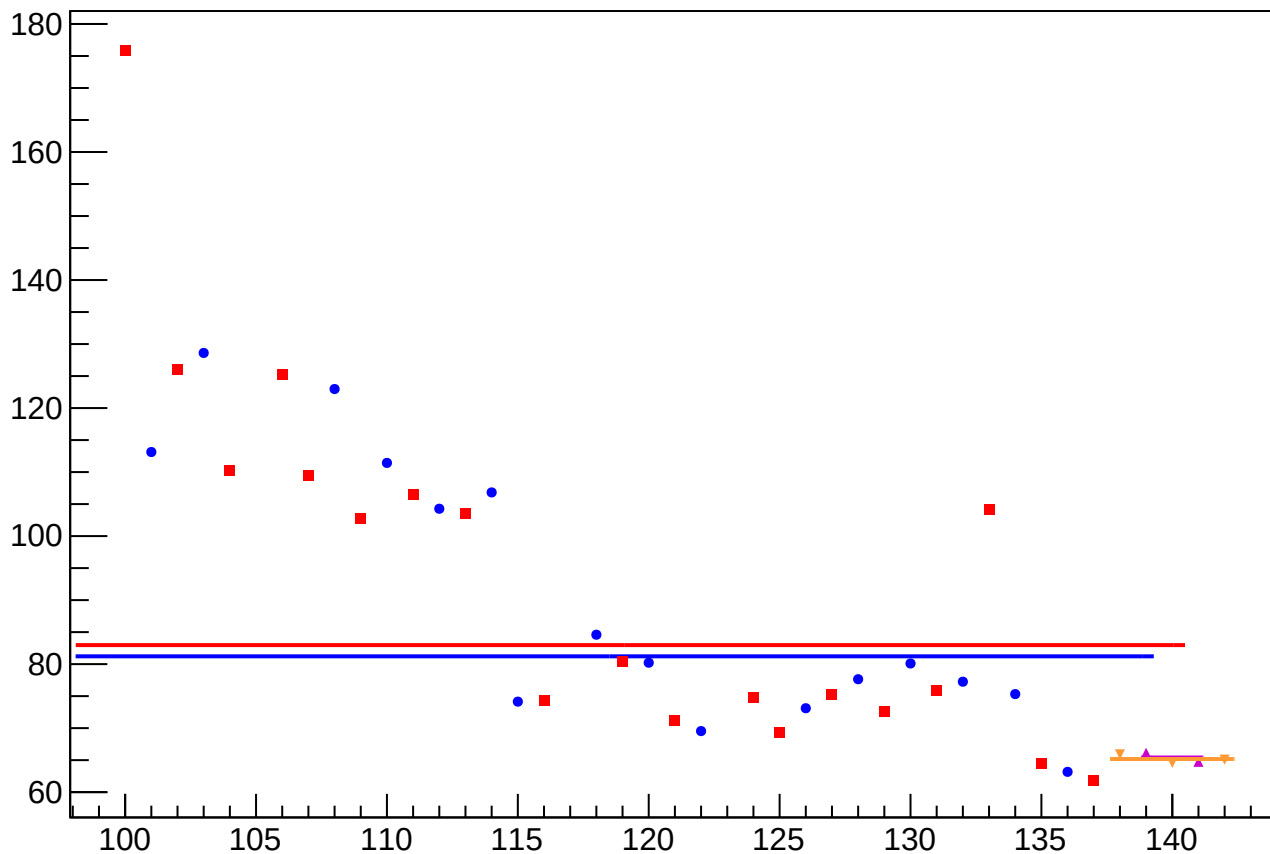
Left In: 82.547 ± 49.754 $\chi^2/\text{NDF}: 1.9/1$

+ sign -30.526 ± 25.643 $\chi^2/\text{NDF}: 18.5/18$

All: -7.692 ± 18.412 $\chi^2/\text{NDF}: 40.1/39$

- sign 16.607 ± 26.454 $\chi^2/\text{NDF}: 20.0/20$

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218 $\pm$ 0.022 χ^2 /NDF: 662873.6/15

Left Out: 65.174 $\pm$ 0.032 χ^2 /NDF: 338.0/2

Right Out: 82.971 $\pm$ 0.022 χ^2 /NDF: 730384.9/18

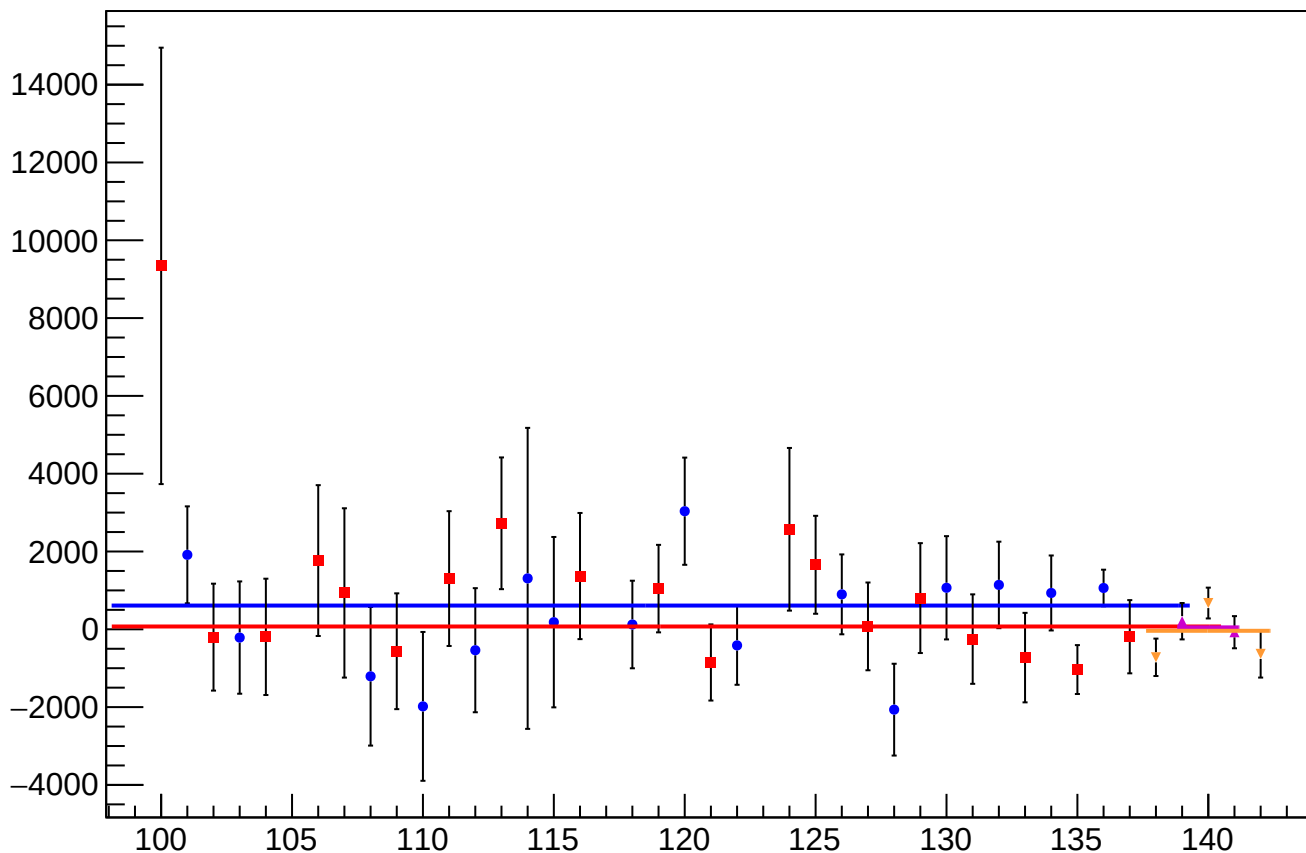
Left In: 65.414 $\pm$ 0.035 χ^2 /NDF: 396.7/1

+ sign 76.109 $\pm$ 0.018 χ^2 /NDF: 833116.9/18

All: 77.029 $\pm$ 0.013 χ^2 /NDF: 1747838.8/39

- sign 78.008 $\pm$ 0.019 χ^2 /NDF: 909412.2/20

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF : 15.8/15

Left Out: -38.365+/-273.175 χ^2/NDF : 6.2/2

Right Out: 72.311+/-286.830 χ^2/NDF : 16.2/18

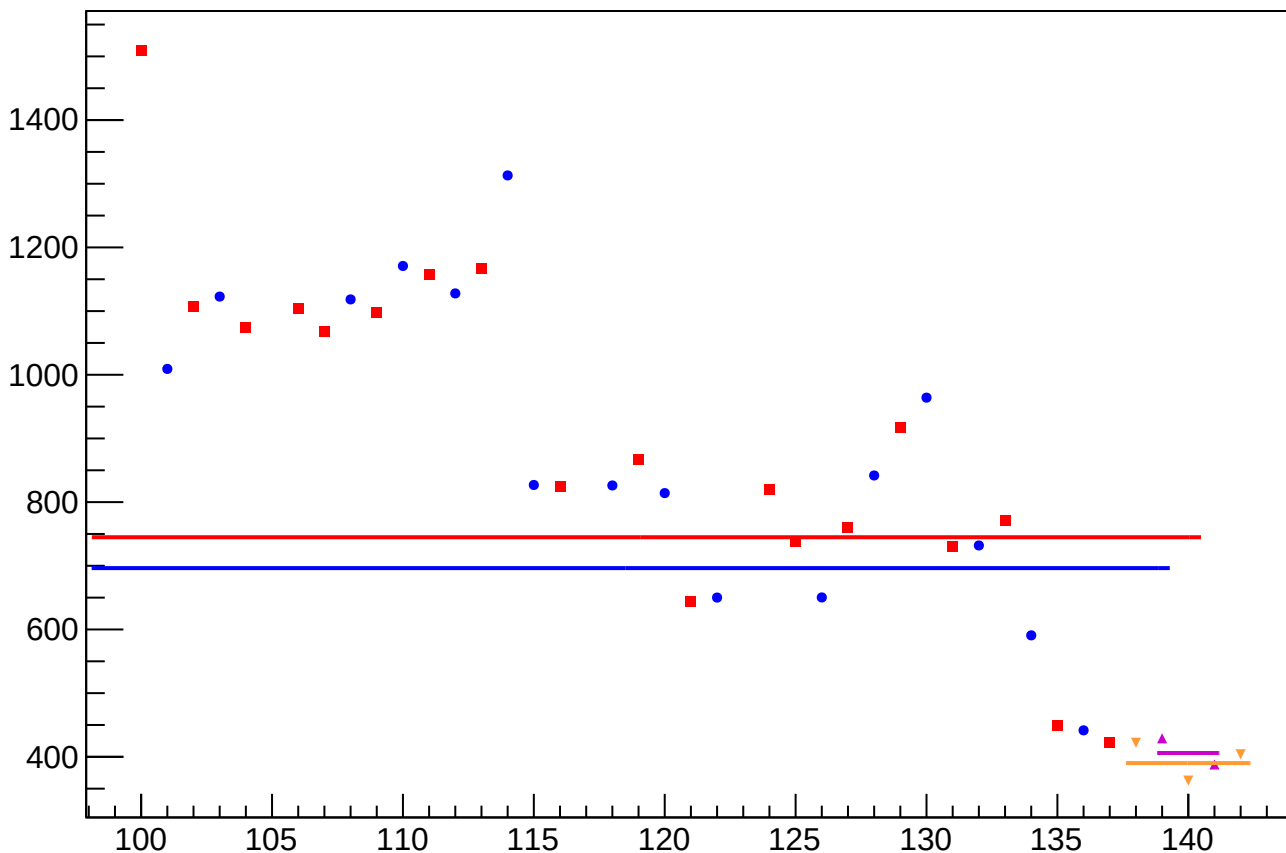
Left In: 49.435+/-309.703 χ^2/NDF : 0.2/1

+ sign 285.053+/-193.449 χ^2/NDF : 24.8/18

All: 182.779+/-142.418 χ^2/NDF : 41.8/39

- sign 61.749+/-210.442 χ^2/NDF : 16.4/20

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF : 1515478.0/15

Left Out: 390.152+/-0.193 χ^2/NDF : 19534.8/2

Right Out: 744.875+/-0.203 χ^2/NDF : 1498361.7/18

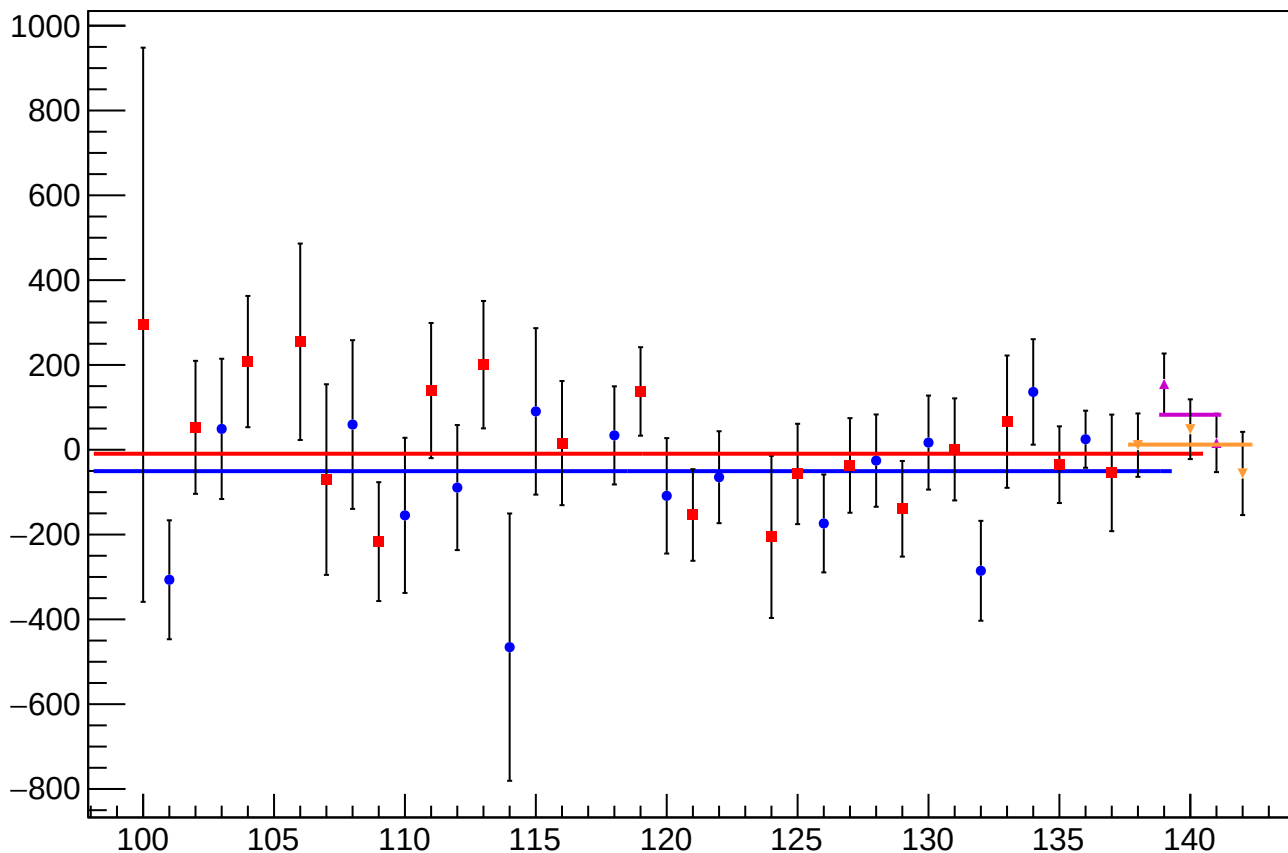
Left In: 405.968+/-0.219 χ^2/NDF : 8673.8/1

+ sign 542.810+/-0.137 χ^2/NDF : 2787859.1/18

All: 563.689+/-0.101 χ^2/NDF : 5634940.6/39

- sign 588.397+/-0.149 χ^2/NDF : 2796213.2/20

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466 $\pm$ 31.061 χ^2 /NDF: 16.4/15

Left Out: 12.154 $\pm$ 45.444 χ^2 /NDF: 0.7/2

Right Out: -9.381 $\pm$ 31.235 χ^2 /NDF: 15.6/18

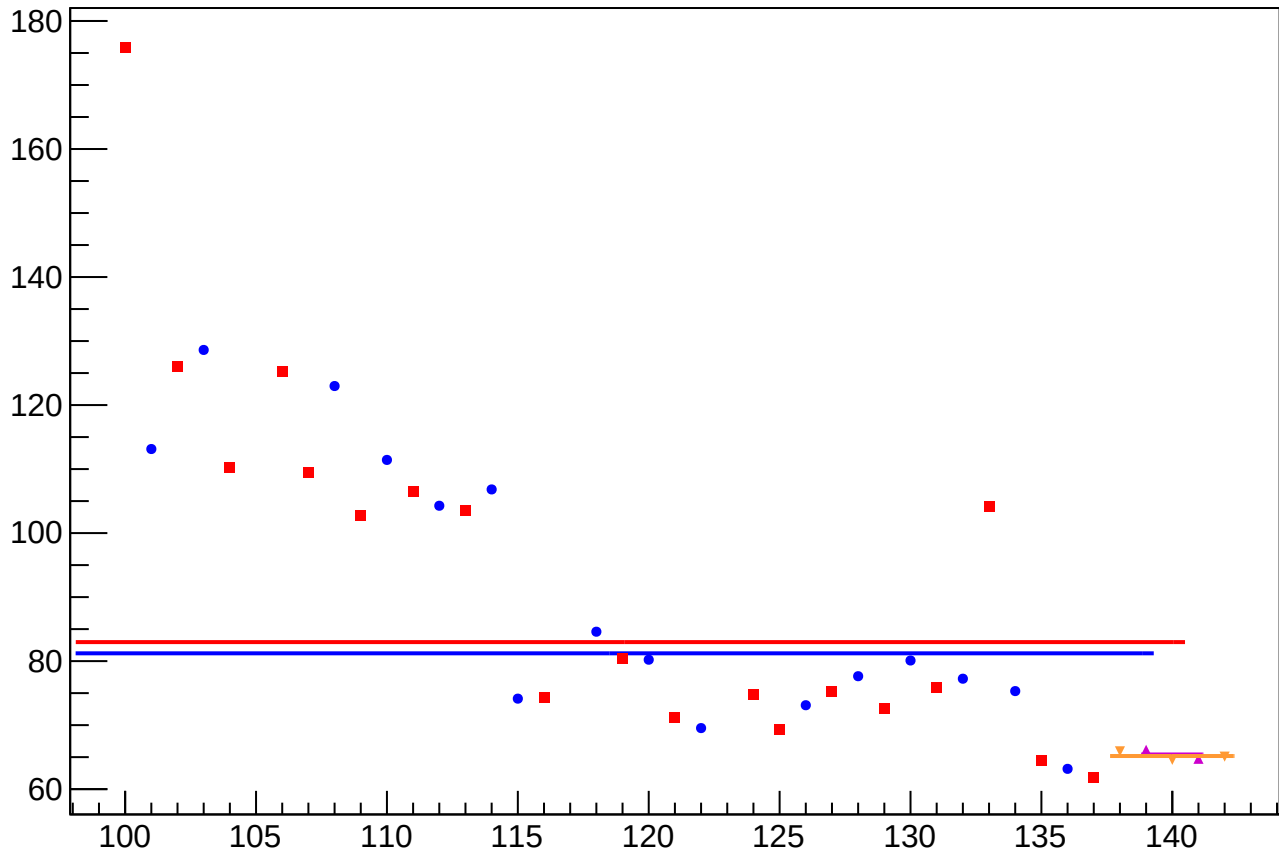
Left In: 82.546 $\pm$ 49.754 χ^2 /NDF: 1.9/1

+ sign -30.526 $\pm$ 25.643 χ^2 /NDF: 18.5/18

All: -7.693 $\pm$ 18.412 χ^2 /NDF: 40.1/39

- sign 16.606 $\pm$ 26.454 χ^2 /NDF: 20.0/20

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: 65.175 $\pm$ 0.032 χ^2 /NDF: 337.9/2

Right Out: 82.971 $\pm$ 0.022 χ^2 /NDF: 730375.6/18

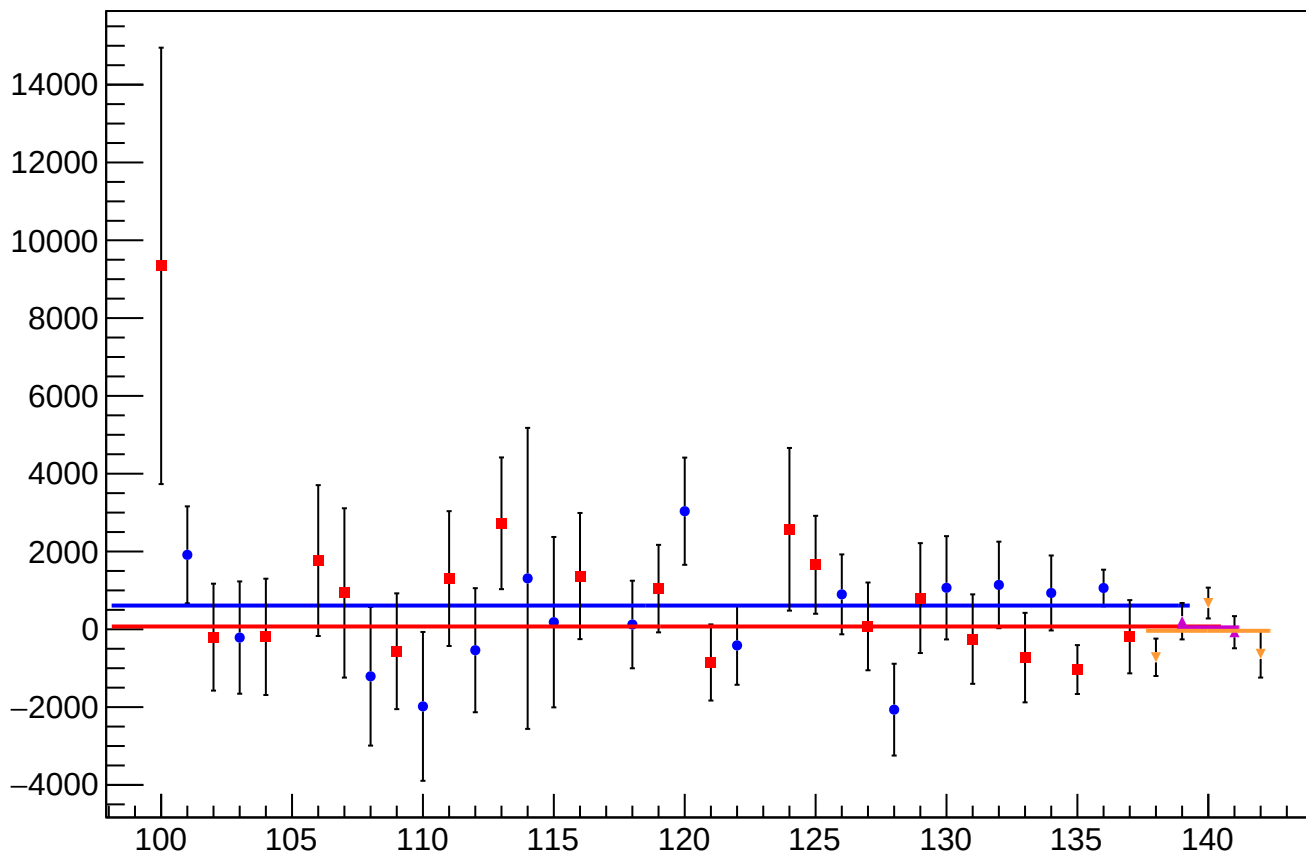
Left In: 65.415 $\pm$ 0.035 χ^2 /NDF: 396.4/1

+ sign 76.109 $\pm$ 0.018 χ^2 /NDF: 833090.6/18

All: 77.029 $\pm$ 0.013 χ^2 /NDF: 1747788.4/39

- sign 78.008 $\pm$ 0.019 χ^2 /NDF: 909387.1/20

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: -38.367 ± 273.176 χ^2/NDF : 6.2/2

Right Out: 72.313 ± 286.830 χ^2/NDF : 16.2/18

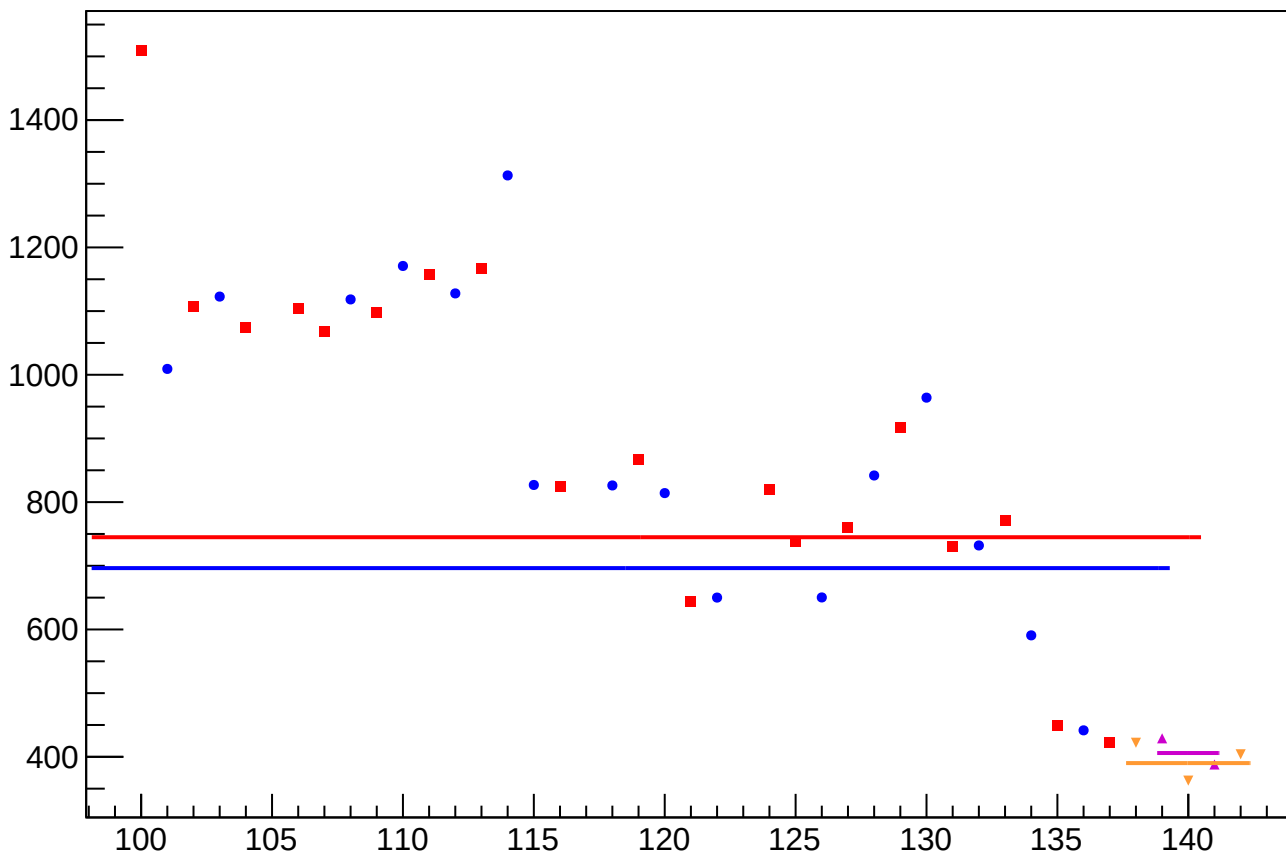
Left In: 49.434 ± 309.703 χ^2/NDF : 0.2/1

+ sign 285.053 ± 193.449 χ^2/NDF : 24.8/18

All: 182.780 ± 142.418 χ^2/NDF : 41.8/39

- sign 61.749 ± 210.442 χ^2/NDF : 16.4/20

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 696.370+/-0.194 χ^2/NDF : 1515461.8/15

Left Out: 390.153+/-0.193 χ^2/NDF : 19533.7/2

Right Out: 744.874+/-0.203 χ^2/NDF : 1498349.6/18

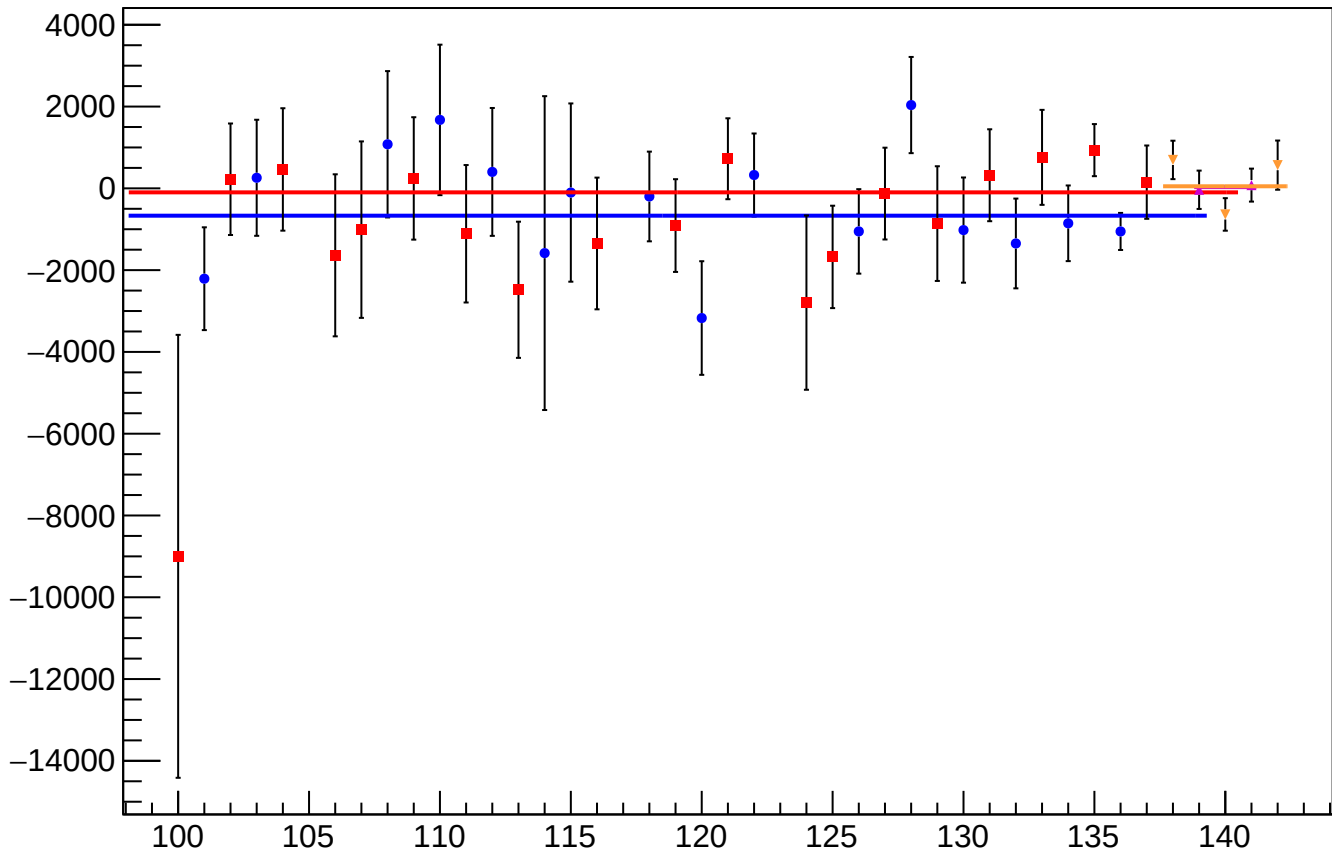
Left In: 405.969+/-0.219 χ^2/NDF : 8672.5/1

+ sign 542.811+/-0.137 χ^2/NDF : 2787825.4/18

All: 563.690+/-0.101 χ^2/NDF : 5634880.7/39

- sign 588.397+/-0.149 χ^2/NDF : 2796188.3/20

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503 ± 268.452 χ^2/NDF : 16.1/15

Left Out: 50.676 ± 271.042 χ^2/NDF : 5.6/2

Right Out: -98.003 ± 285.882 χ^2/NDF : 14.8/18

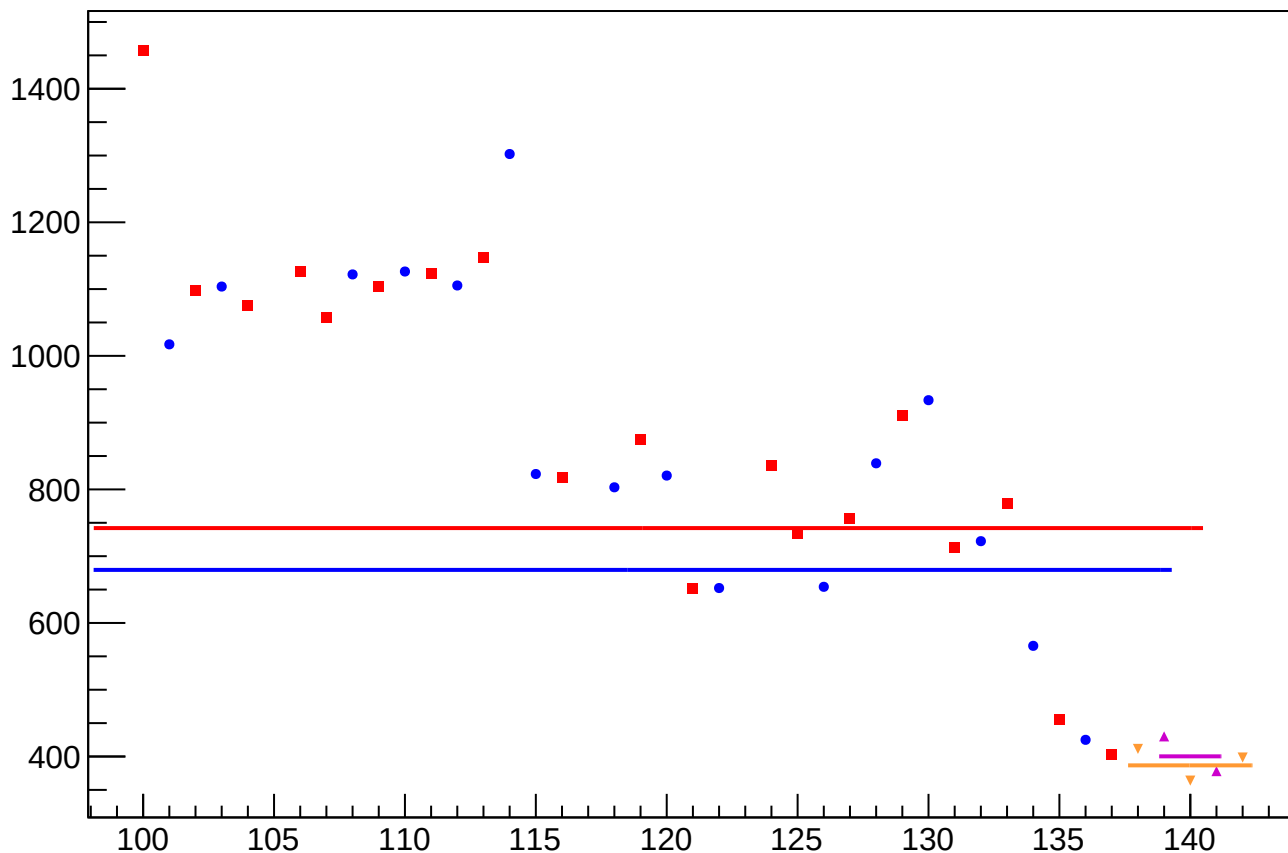
Left In: 30.704 ± 305.640 χ^2/NDF : 0.0/1

+ sign -312.365 ± 190.733 χ^2/NDF : 25.3/18

All: -187.529 ± 140.819 χ^2/NDF : 41.2/39

- sign -37.944 ± 208.785 χ^2/NDF : 14.9/20

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF : 1600922.1/15

Left Out: 386.734+/-0.192 χ^2/NDF : 12853.5/2

Right Out: 742.081+/-0.202 χ^2/NDF : 1504391.2/18

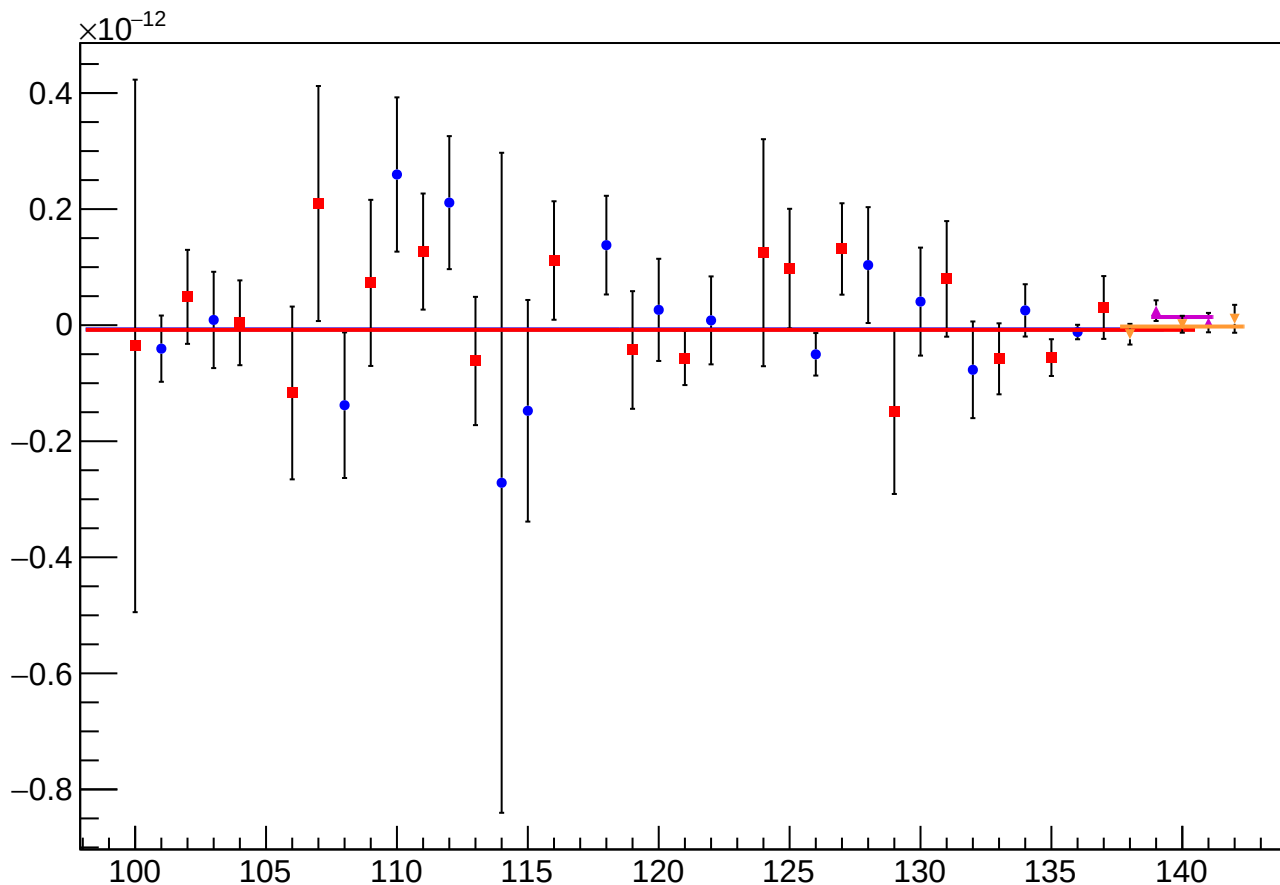
Left In: 400.249+/-0.216 χ^2/NDF : 14162.2/1

+ sign 534.506+/-0.135 χ^2/NDF : 2791451.1/18

All: 556.371+/-0.100 χ^2/NDF : 5702097.1/39

- sign 582.570+/-0.148 χ^2/NDF : 2852871.1/20

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.9/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/18

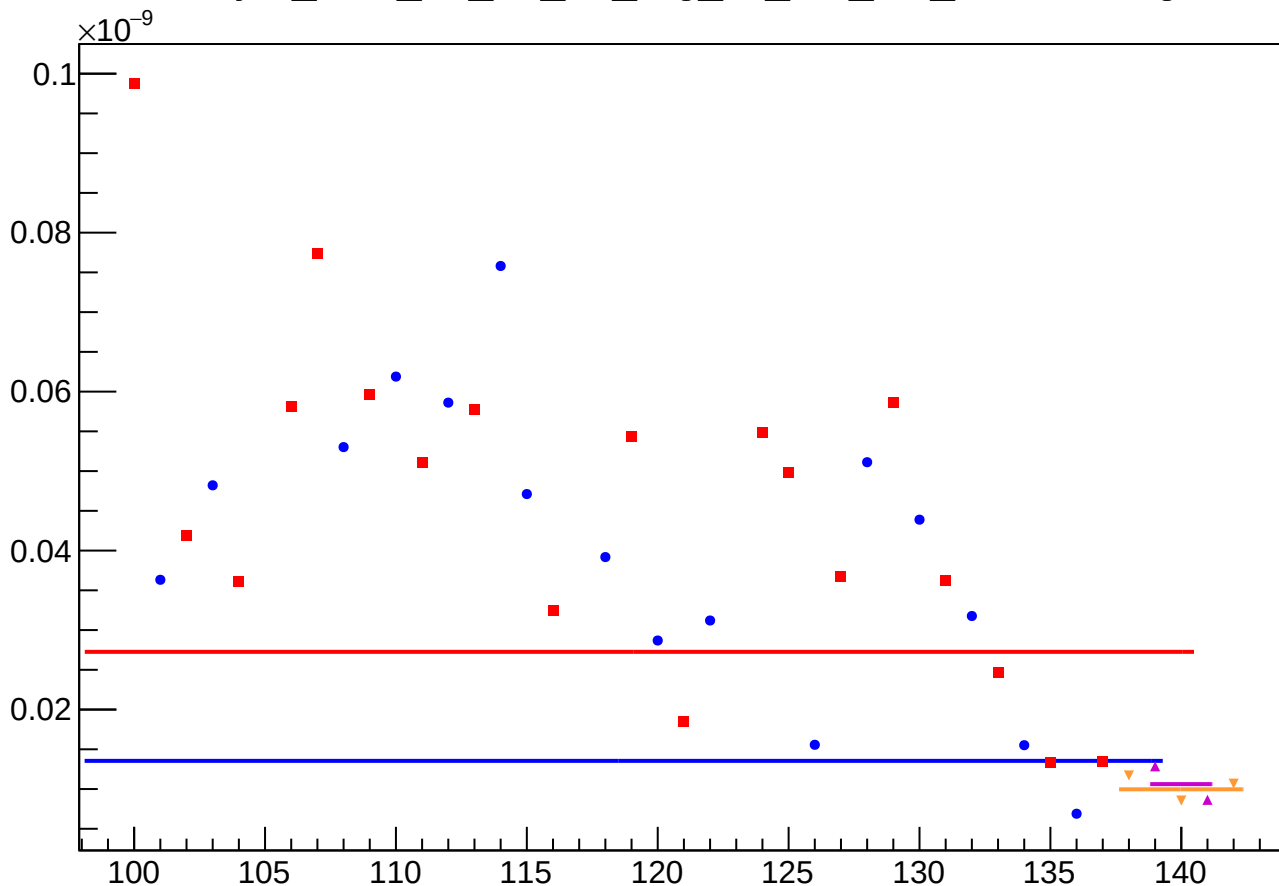
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.7/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.3/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.9/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/20

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:39763.1/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1735739.6/18

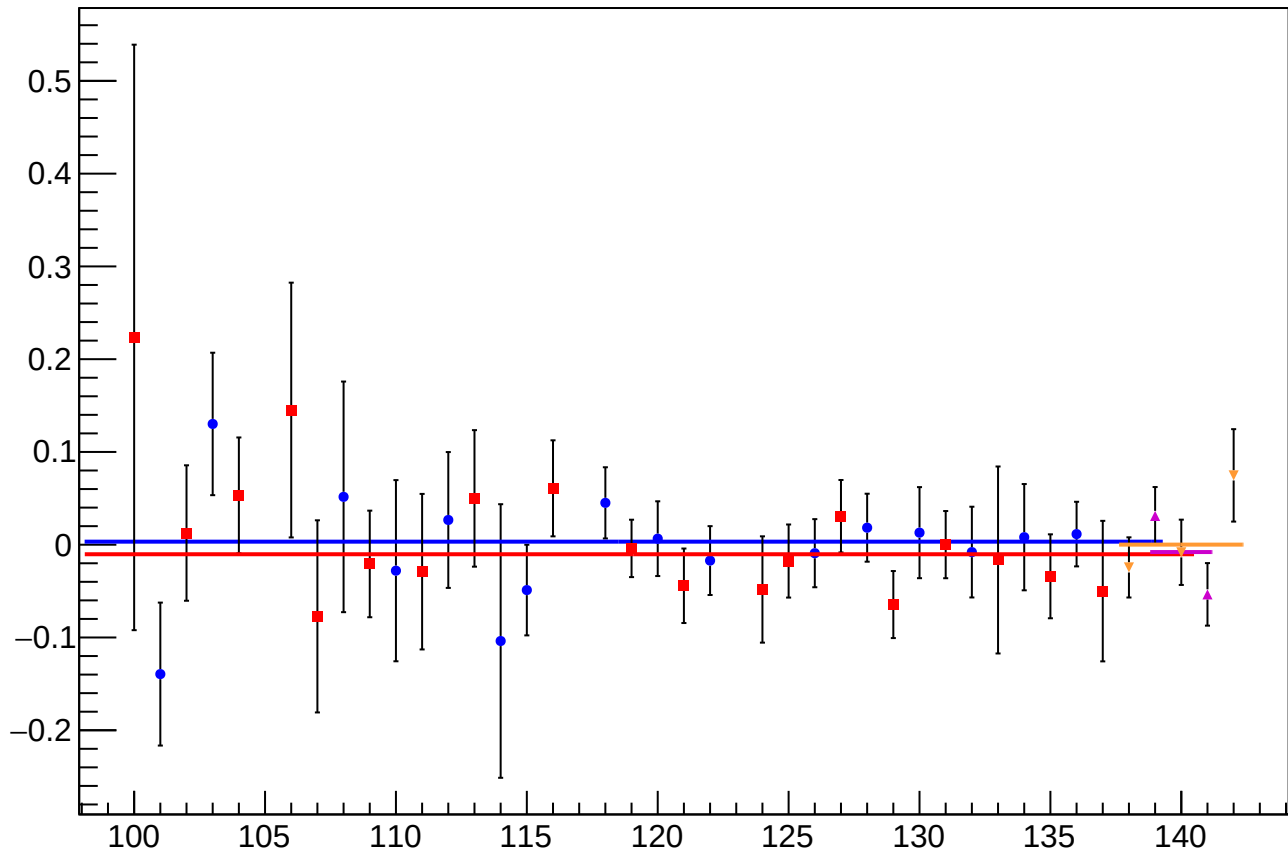
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:59620.1/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3204977.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6491557.8/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3030681.9/20

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.012 χ^2/NDF : 10.1/15

Left Out: 0.000 ± 0.022 χ^2/NDF : 2.9/2

Right Out: -0.010 ± 0.012 χ^2/NDF : 11.2/18

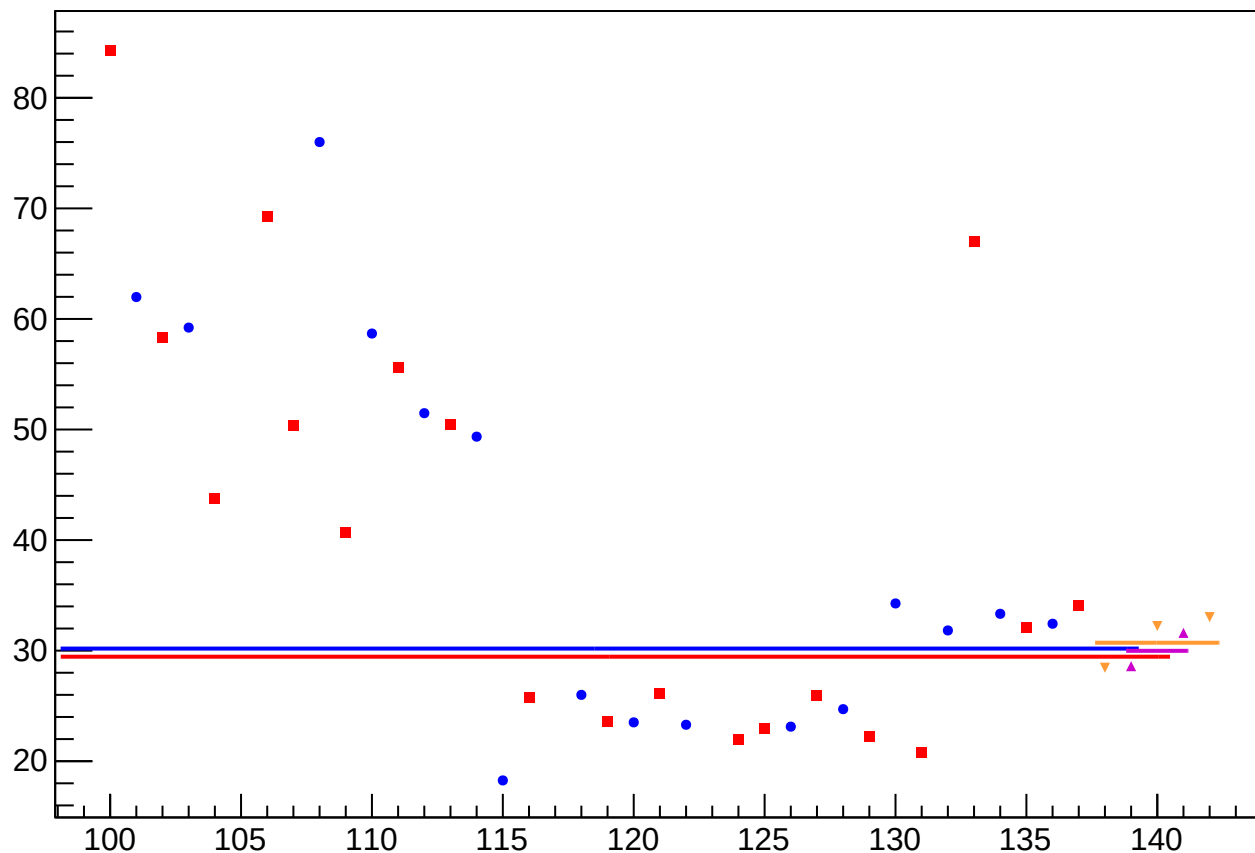
Left In: -0.008 ± 0.023 χ^2/NDF : 3.4/1

+ sign 0.003 ± 0.011 χ^2/NDF : 13.0/18

All: -0.004 ± 0.007 χ^2/NDF : 28.3/39

- sign -0.010 ± 0.010 χ^2/NDF : 14.6/20

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF : 1687373.5/15

Left Out: 30.715+/-0.015 χ^2/NDF :17709.6/2

Right Out: 29.451+/-0.008 χ^2/NDF : 1848636.5/18

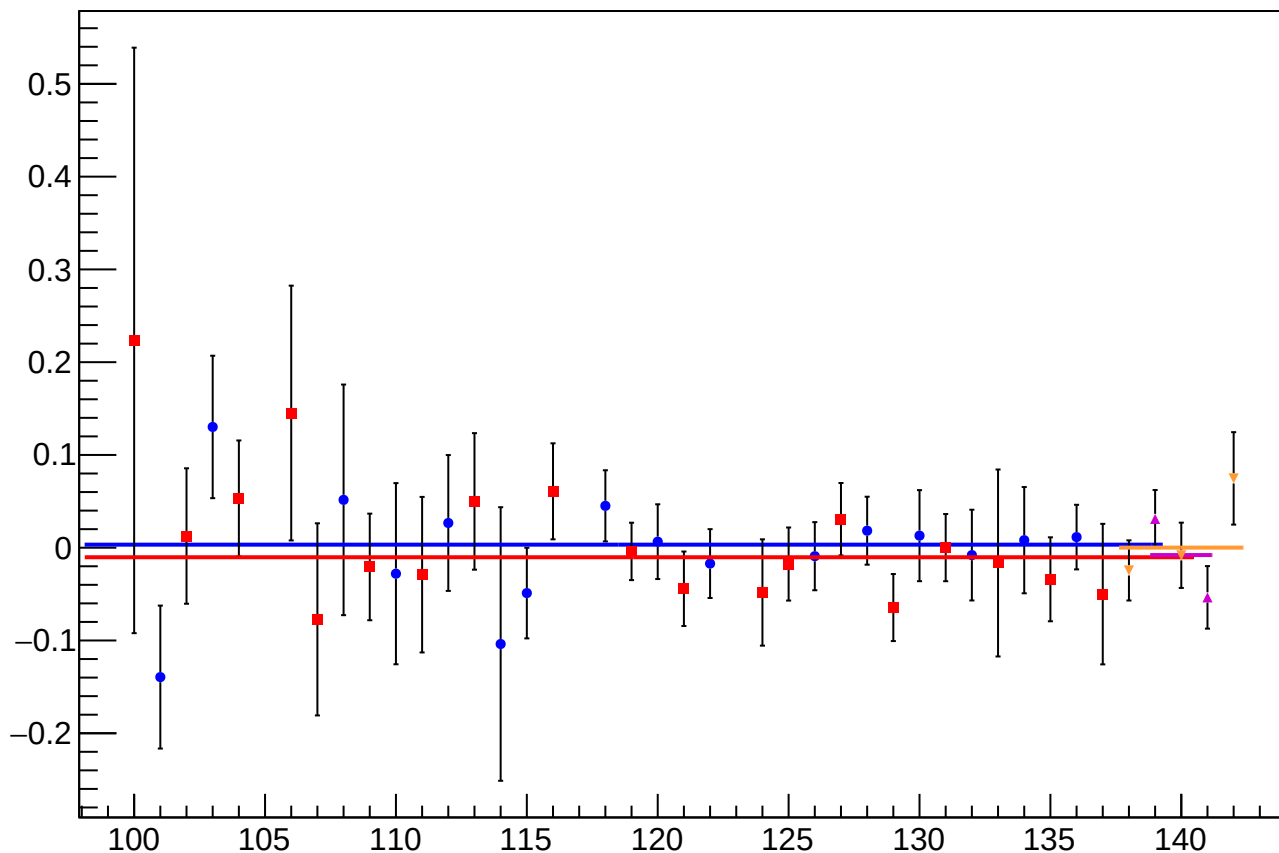
Left In: 29.983+/-0.016 χ^2/NDF :8620.5/1

+ sign 30.316+/-0.008 χ^2/NDF : 1705991.6/18

All: 29.934+/-0.005 χ^2/NDF : 3569166.1/39

- sign 29.563+/-0.007 χ^2/NDF : 1858109.4/20

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.012 χ^2/NDF : 10.1/15

Left Out: 0.000 ± 0.022 χ^2/NDF : 2.9/2

Right Out: -0.010 ± 0.012 χ^2/NDF : 11.2/18

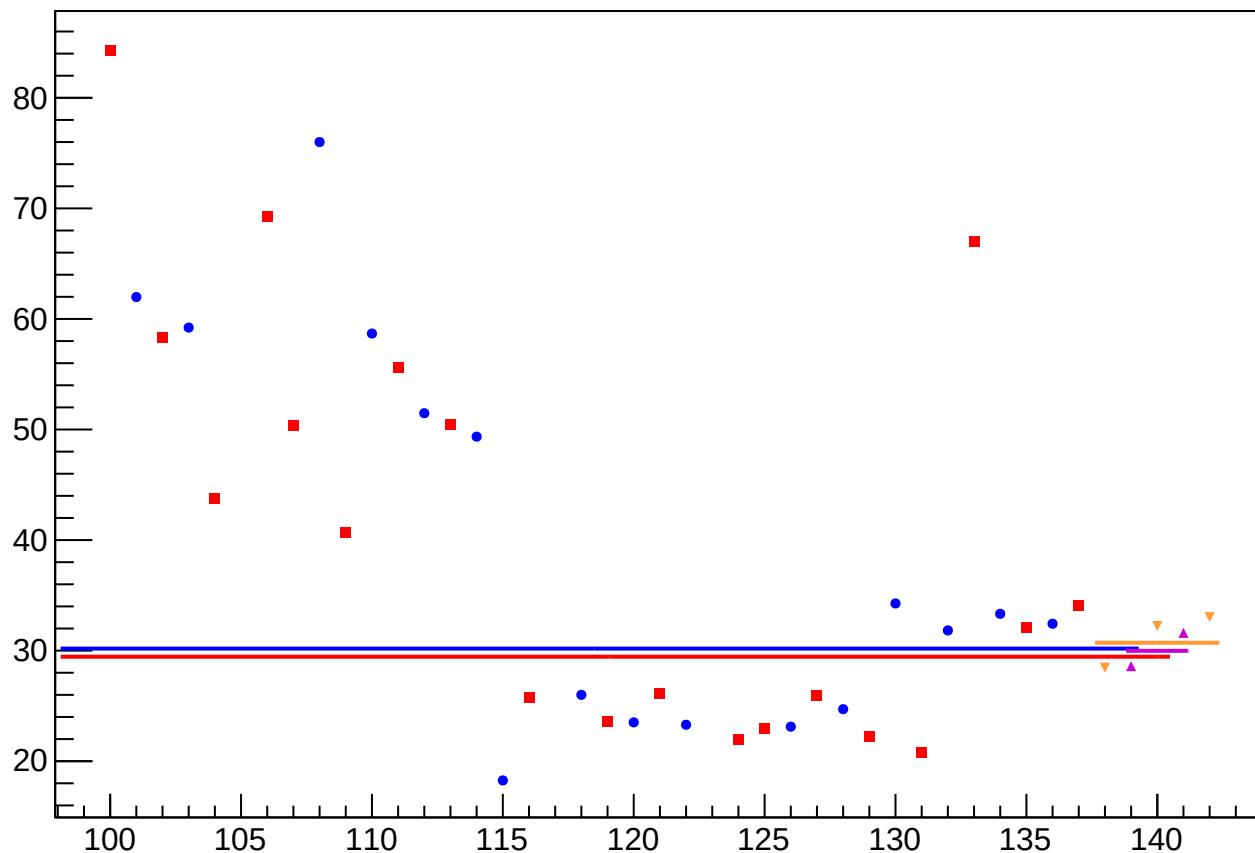
Left In: -0.008 ± 0.023 χ^2/NDF : 3.4/1

+ sign 0.003 ± 0.011 χ^2/NDF : 13.0/18

All: -0.004 ± 0.007 χ^2/NDF : 28.3/39

- sign -0.010 ± 0.010 χ^2/NDF : 14.6/20

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF : 1687373.5/15

Left Out: 30.715+/-0.015 χ^2/NDF : 17709.6/2

Right Out: 29.451+/-0.008 χ^2/NDF : 1848636.5/18

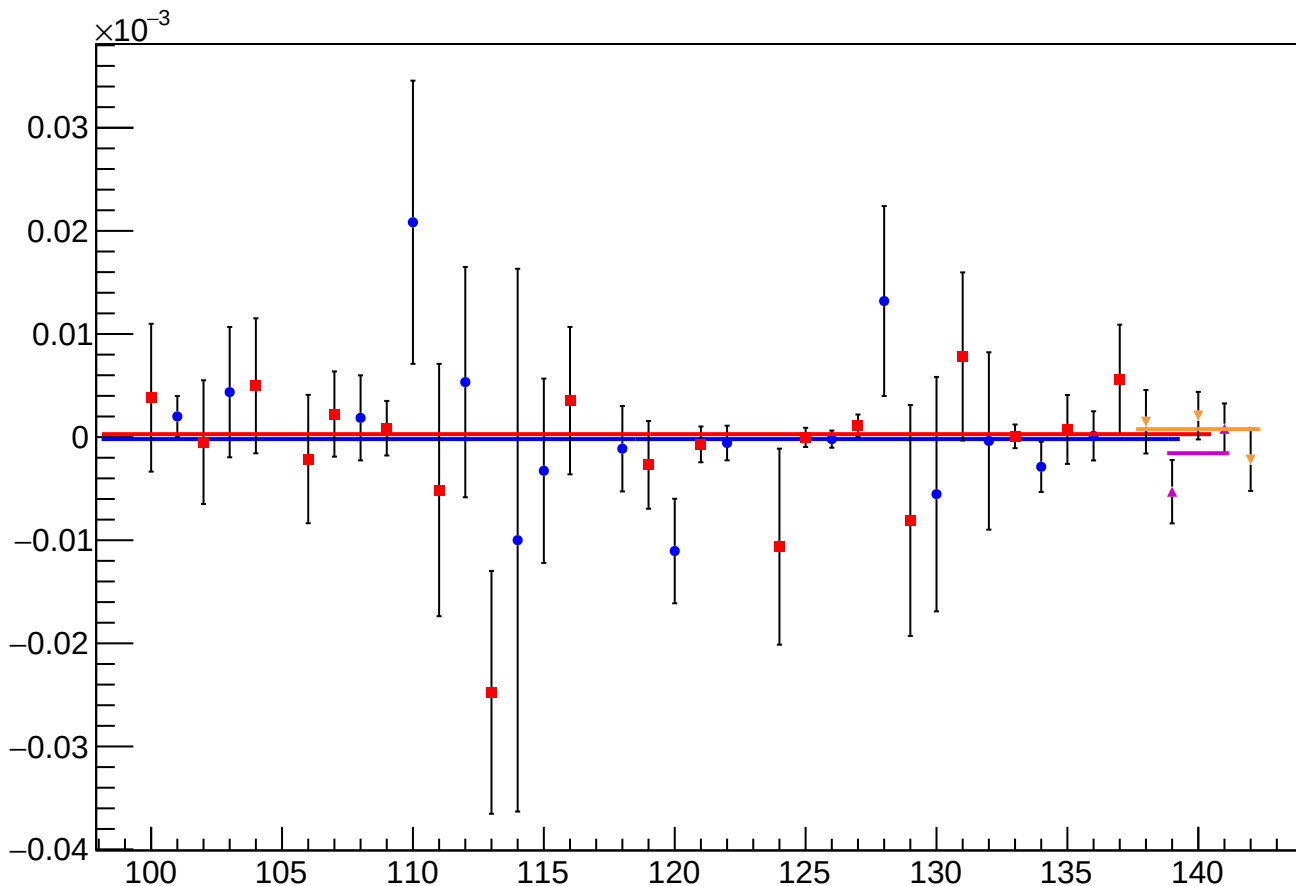
Left In: 29.983+/-0.016 χ^2/NDF : 8620.5/1

+ sign 30.316+/-0.008 χ^2/NDF : 1705991.6/18

All: 29.934+/-0.005 χ^2/NDF : 3569166.1/39

- sign 29.563+/-0.007 χ^2/NDF : 1858109.4/20

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:1.3/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.4/18

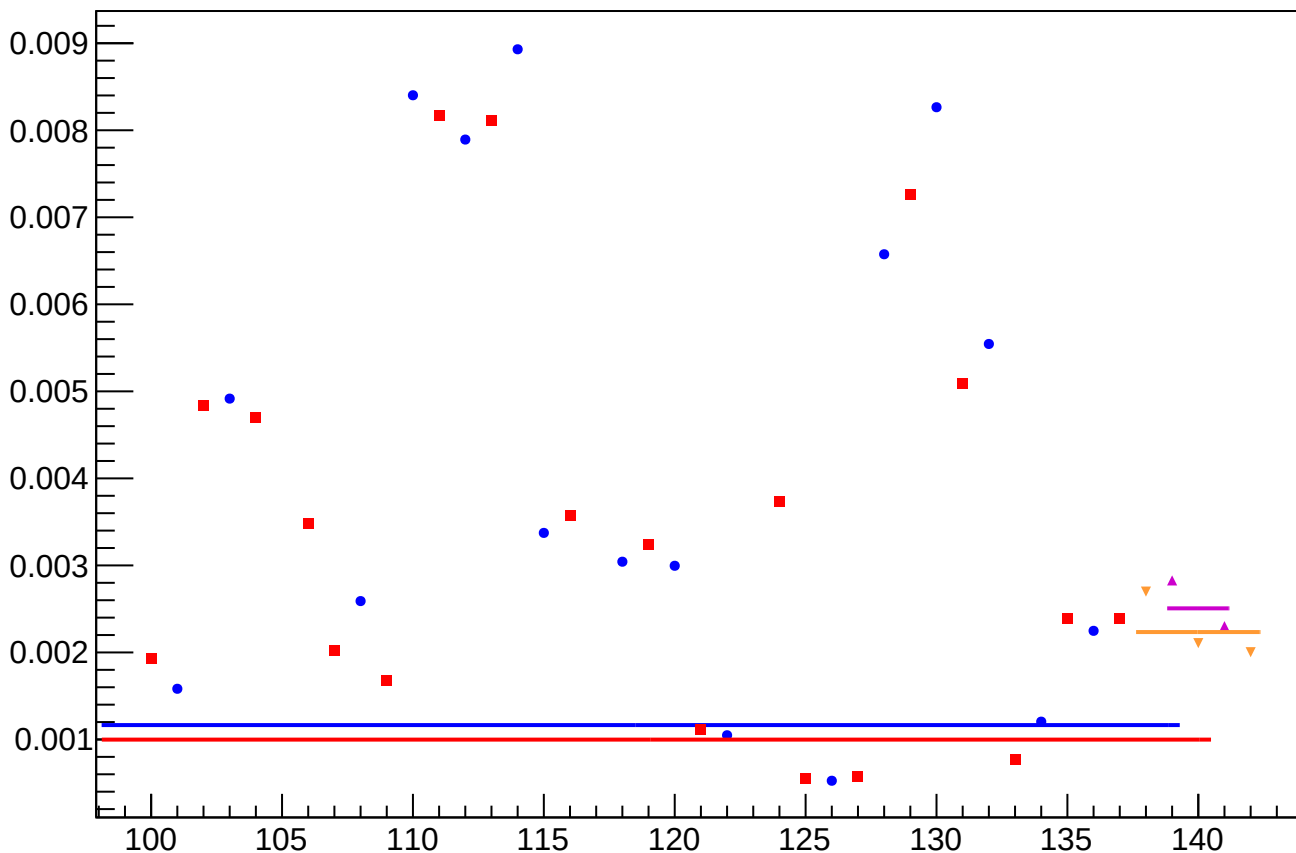
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:2.4/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.5/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14.7/20

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 : 63456.3/2

Right Out: 0.001+/-0.000 χ^2/NDF : 6937197.5/18

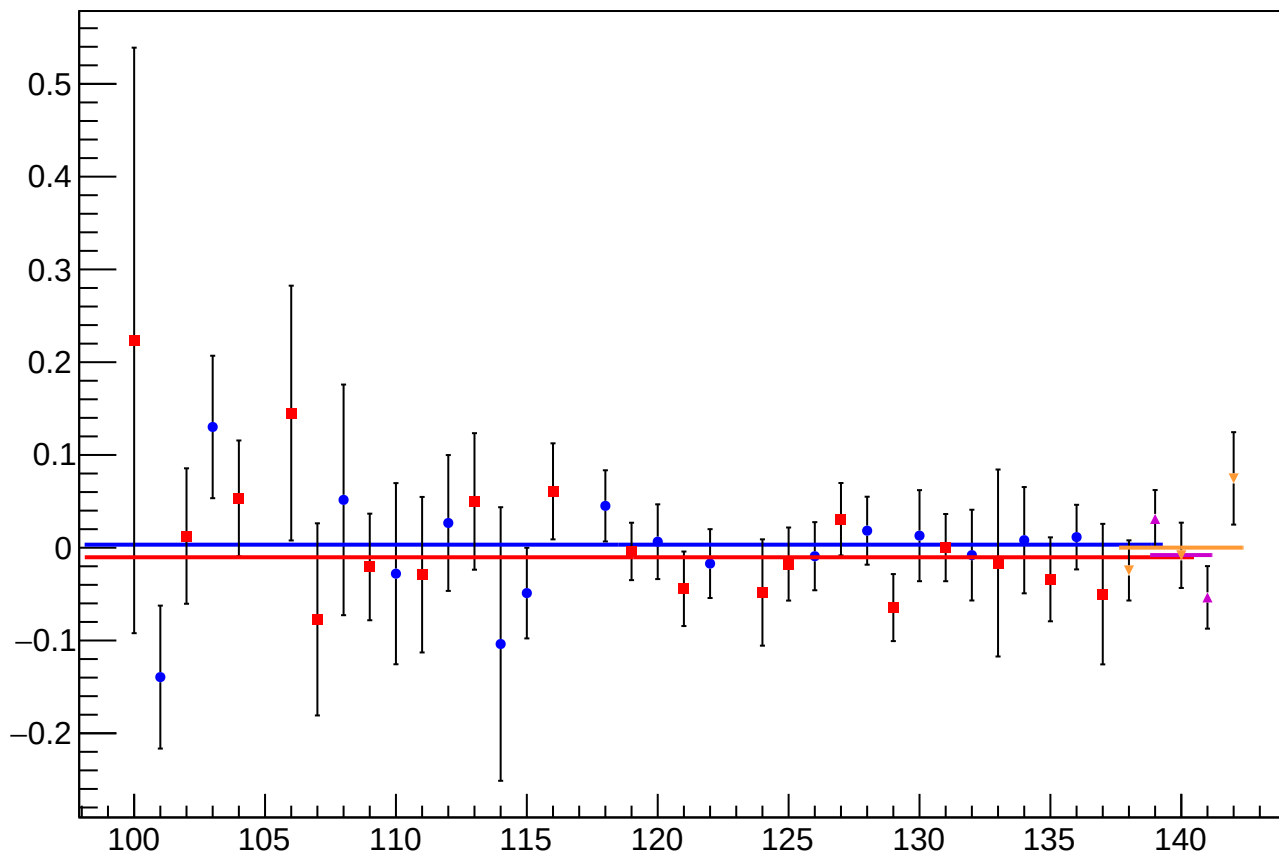
Left In: 0.003+/-0.000 χ^2/NDF : 35626.7/1

+ sign 0.001+/-0.000 χ^2/NDF : 7744365.5/18

All: 0.001+/-0.000 χ^2/NDF : 16011029.6/39

- sign 0.001+/-0.000 χ^2/NDF : 8123559.7/20

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.012 $\chi^2/\text{NDF}: 10.1/15$

Left Out: 0.000 ± 0.022 $\chi^2/\text{NDF}: 2.9/2$

Right Out: -0.010 ± 0.012 $\chi^2/\text{NDF}: 11.2/18$

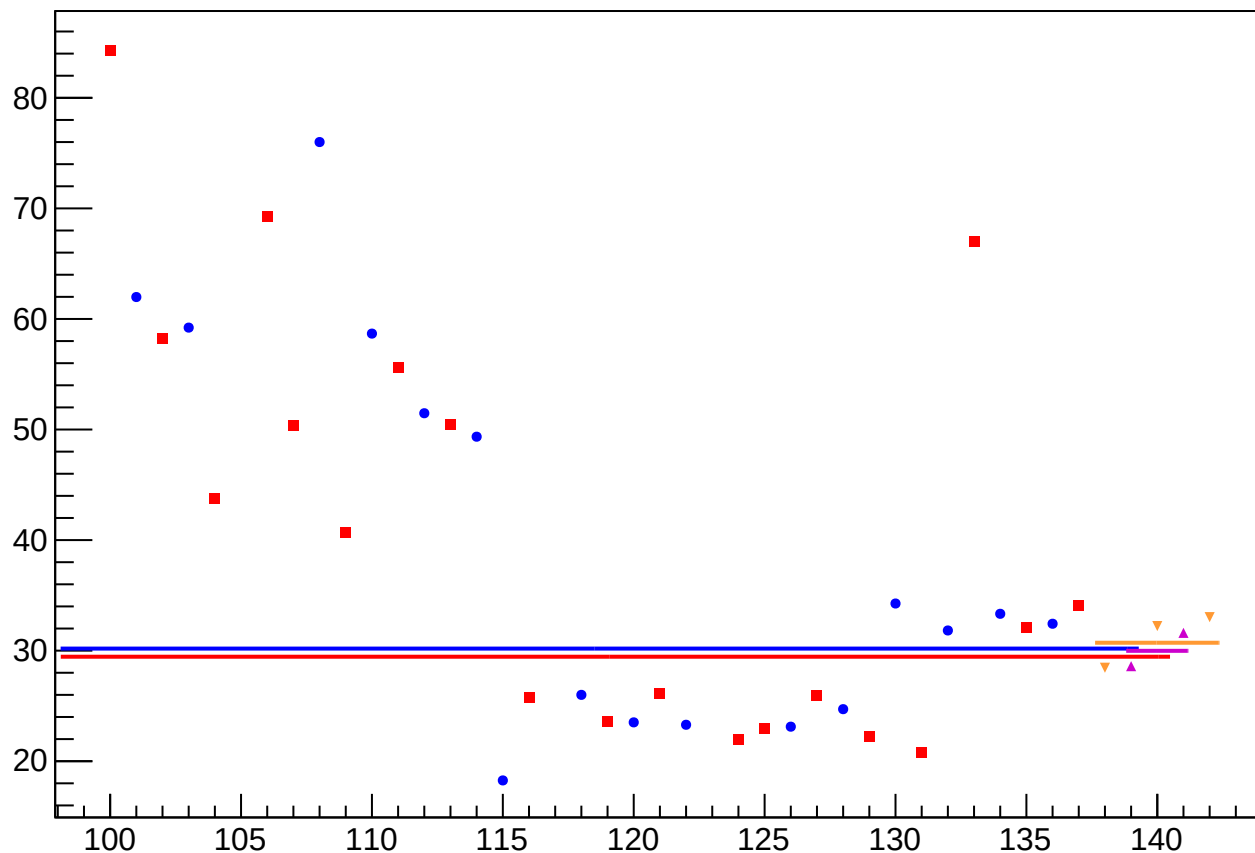
Left In: -0.008 ± 0.023 $\chi^2/\text{NDF}: 3.4/1$

+ sign 0.003 ± 0.011 $\chi^2/\text{NDF}: 13.0/18$

All: -0.004 ± 0.007 $\chi^2/\text{NDF}: 28.3/39$

- sign -0.010 ± 0.010 $\chi^2/\text{NDF}: 14.6/20$

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF : 1687188.2/15

Left Out: 30.715+/-0.015 χ^2/NDF :17709.2/2

Right Out: 29.451+/-0.008 χ^2/NDF : 1848632.6/18

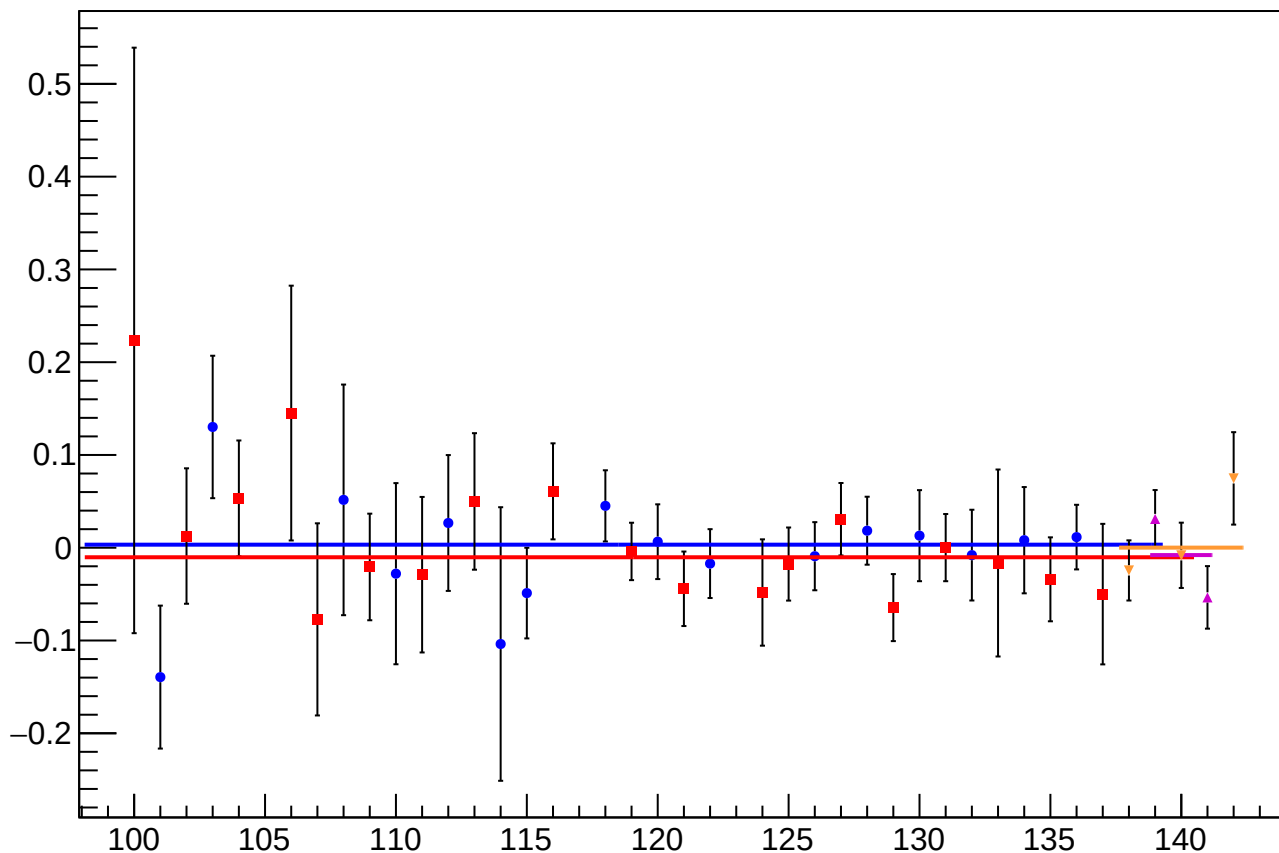
Left In: 29.984+/-0.016 χ^2/NDF :8624.0/1

+ sign 30.317+/-0.008 χ^2/NDF : 1705807.1/18

All: 29.934+/-0.005 χ^2/NDF : 3568991.2/39

- sign 29.563+/-0.007 χ^2/NDF : 1858113.0/20

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: 0.000 ± 0.022 χ^2/NDF : 2.9/2

Right Out: -0.010 ± 0.012 χ^2/NDF : 11.2/18

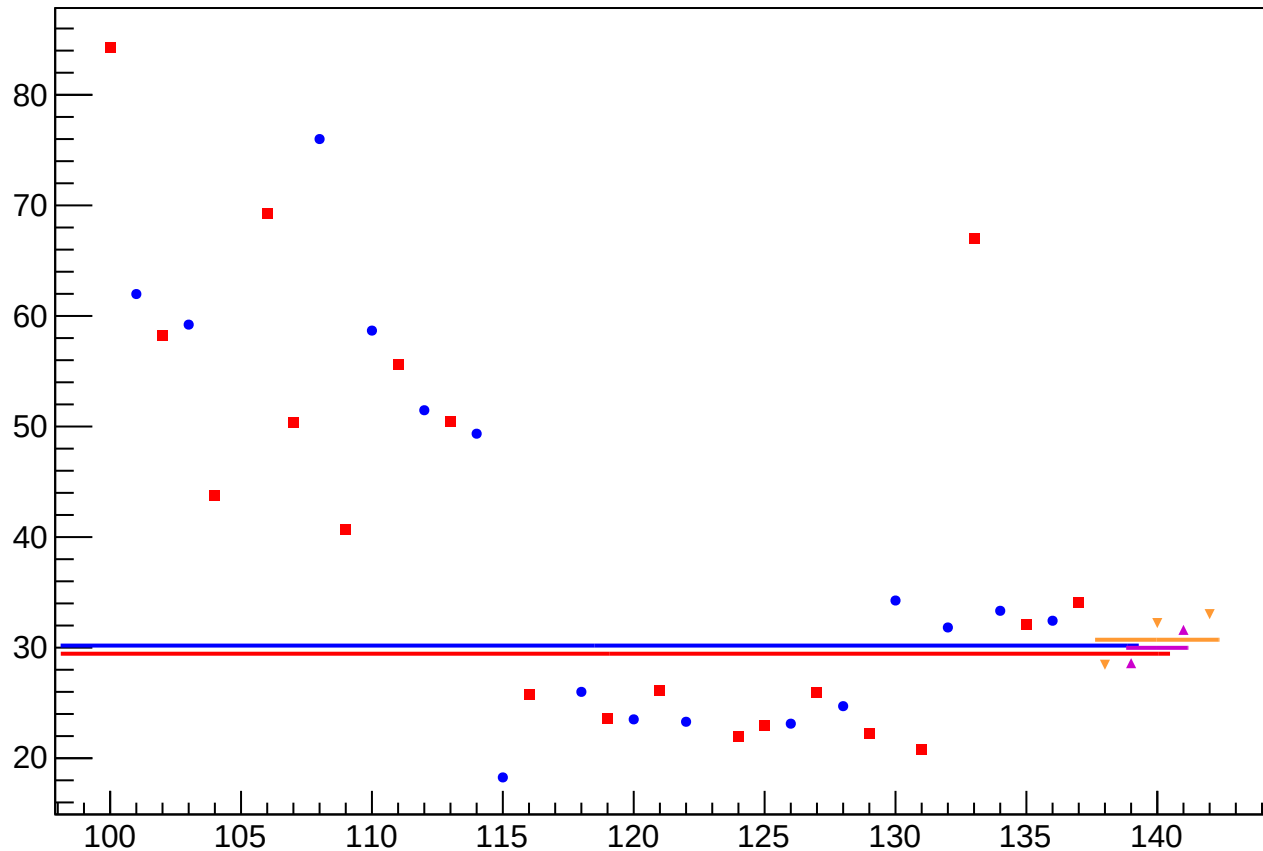
Left In: -0.008 ± 0.023 χ^2/NDF : 3.4/1

+ sign 0.003 ± 0.011 χ^2/NDF : 13.0/18

All: -0.004 ± 0.007 χ^2/NDF : 28.3/39

- sign -0.010 ± 0.010 χ^2/NDF : 14.6/20

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF : 1687188.2/15

Left Out: 30.715+/-0.015 χ^2/NDF : 17709.2/2

Right Out: 29.451+/-0.008 χ^2/NDF : 1848632.6/18

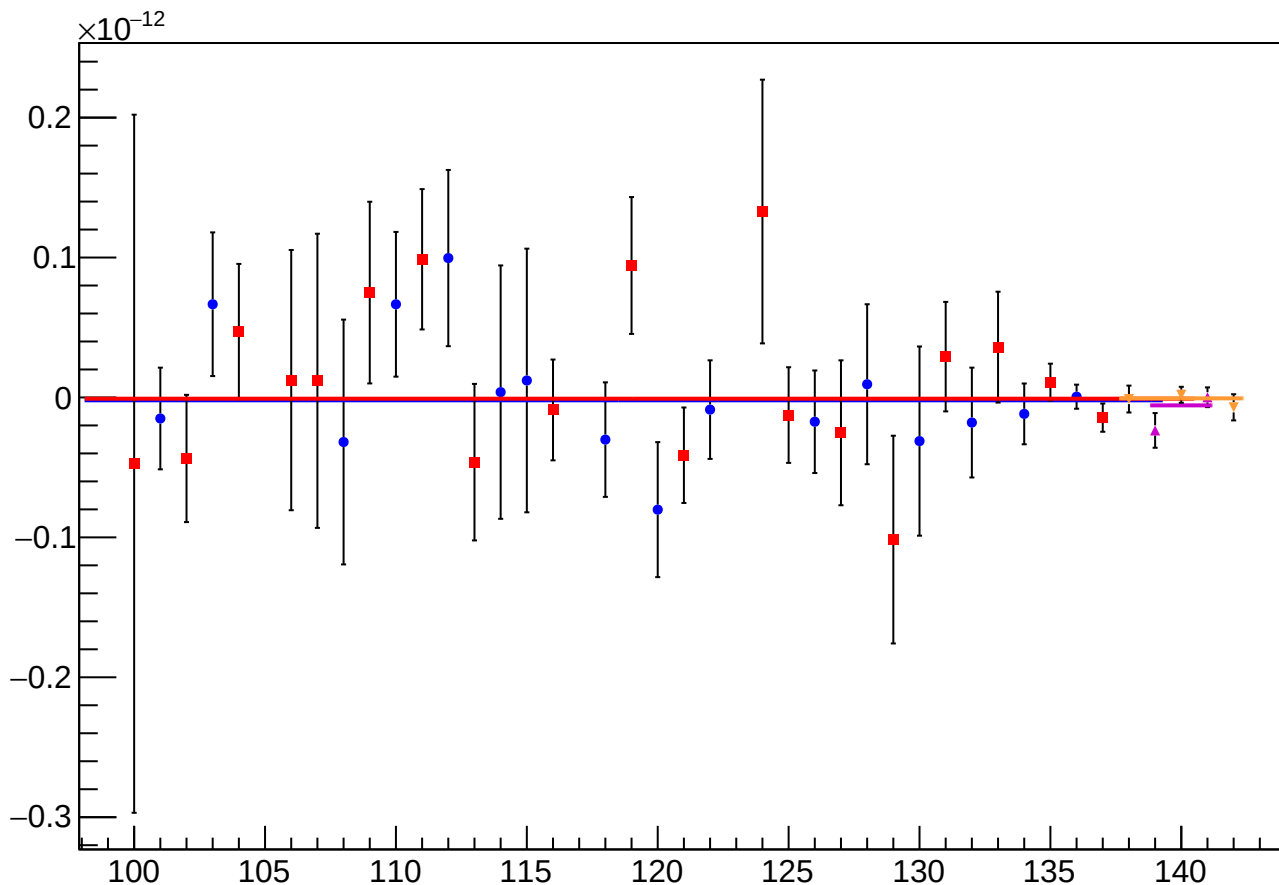
Left In: 29.984+/-0.016 χ^2/NDF : 8624.0/1

+ sign 30.317+/-0.008 χ^2/NDF : 1705807.1/18

All: 29.934+/-0.005 χ^2/NDF : 3568991.2/39

- sign 29.563+/-0.007 χ^2/NDF : 1858113.0/20

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF : 0.7/2

Right Out: -0.000+/-0.000 χ^2/NDF : 21.4/18

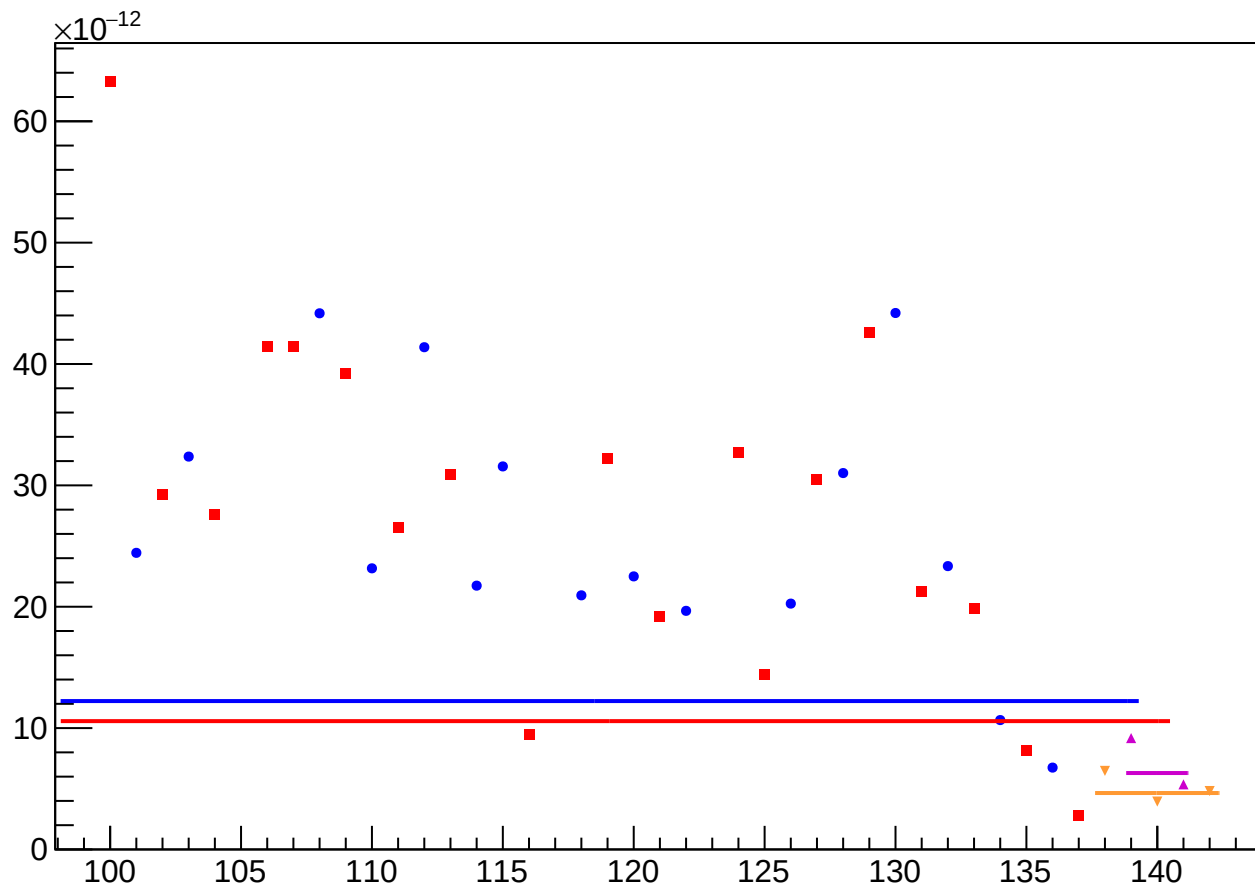
Left In: -0.000+/-0.000 χ^2/NDF : 2.8/1

+ sign -0.000+/-0.000 χ^2/NDF : 11.1/18

All: -0.000+/-0.000 χ^2/NDF : 35.7/39

- sign -0.000+/-0.000 χ^2/NDF : 24.4/20

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 103137.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 4770079.9/18

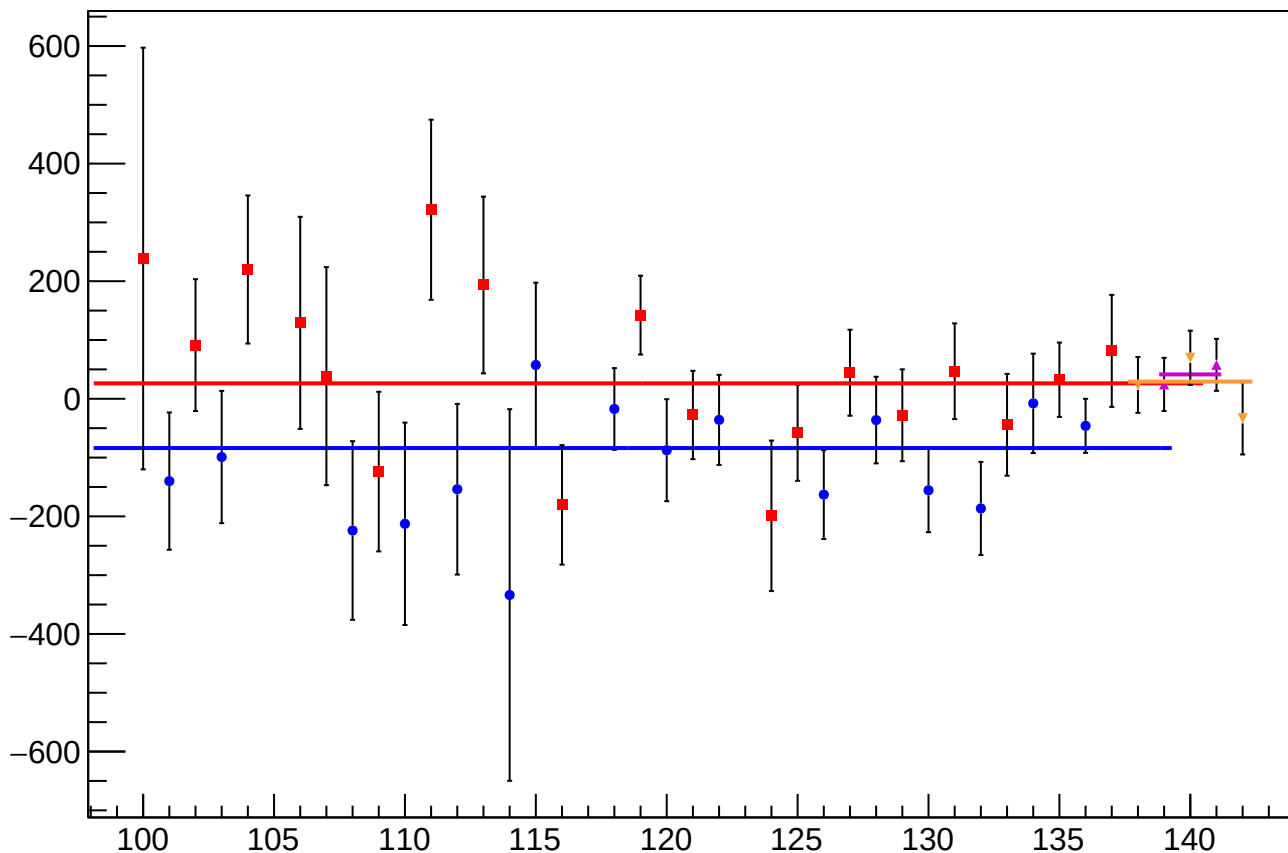
Left In: 0.000+/-0.000 χ^2/NDF : 142906.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 5297520.8/18

All: 0.000+/-0.000 χ^2/NDF : 10776482.4/39

- sign 0.000+/-0.000 χ^2/NDF : 5359256.5/20

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808 ± 21.434 $\chi^2/\text{NDF}: 10.5/15$

Left Out: 29.218 ± 29.145 $\chi^2/\text{NDF}: 1.8/2$

Right Out: 26.301 ± 22.067 $\chi^2/\text{NDF}: 23.0/18$

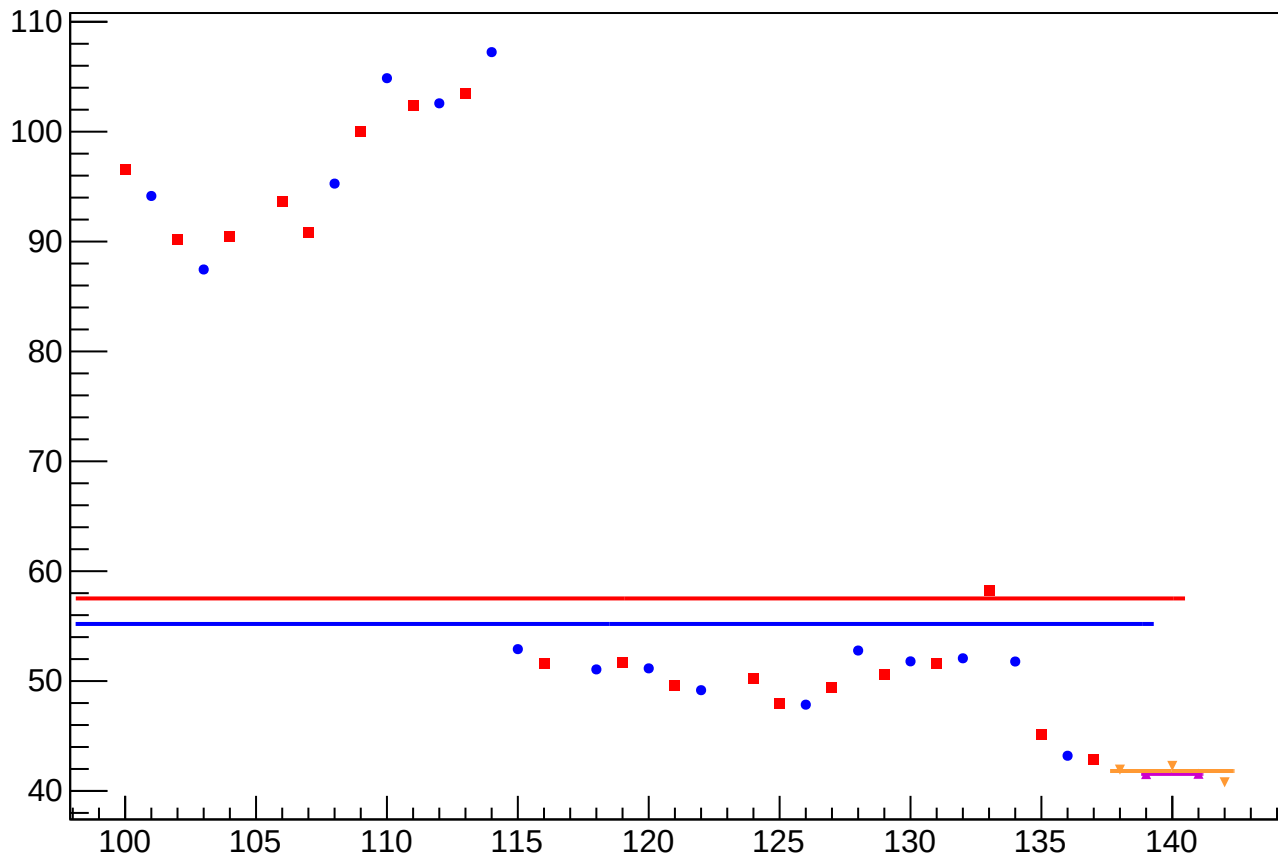
Left In: 41.459 ± 31.601 $\chi^2/\text{NDF}: 0.3/1$

+ sign -44.134 ± 17.268 $\chi^2/\text{NDF}: 22.1/18$

All: -8.190 ± 12.491 $\chi^2/\text{NDF}: 54.6/39$

- sign 31.270 ± 18.092 $\chi^2/\text{NDF}: 23.4/20$

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198 $\pm$ 0.015 χ^2 /NDF: 1152581.1/15

Left Out: 41.815 $\pm$ 0.021 χ^2 /NDF: 776.3/2

Right Out: 57.519 $\pm$ 0.016 χ^2 /NDF: 1281793.1/18

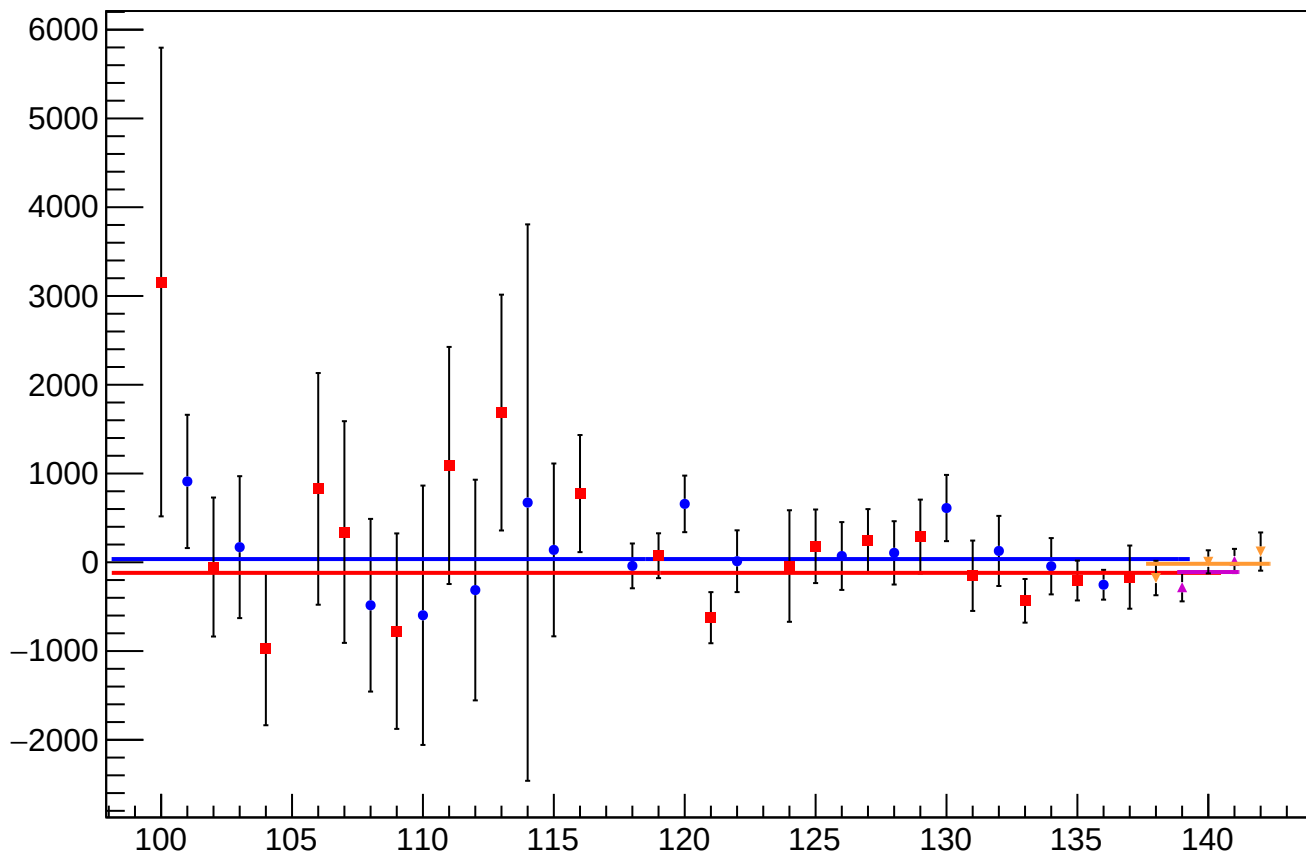
Left In: 41.551 $\pm$ 0.022 χ^2 /NDF: 0.4/1

+ sign 50.500 $\pm$ 0.012 χ^2 /NDF: 1427031.4/18

All: 51.351 $\pm$ 0.009 χ^2 /NDF: 3062279.7/39

- sign 52.285 $\pm$ 0.013 χ^2 /NDF: 1625059.7/20

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327 ± 93.563 $\chi^2/\text{NDF}: 11.4/15$

Left Out: -16.927 ± 96.597 $\chi^2/\text{NDF}: 1.1/2$

Right Out: -119.166 ± 95.833 $\chi^2/\text{NDF}: 16.0/18$

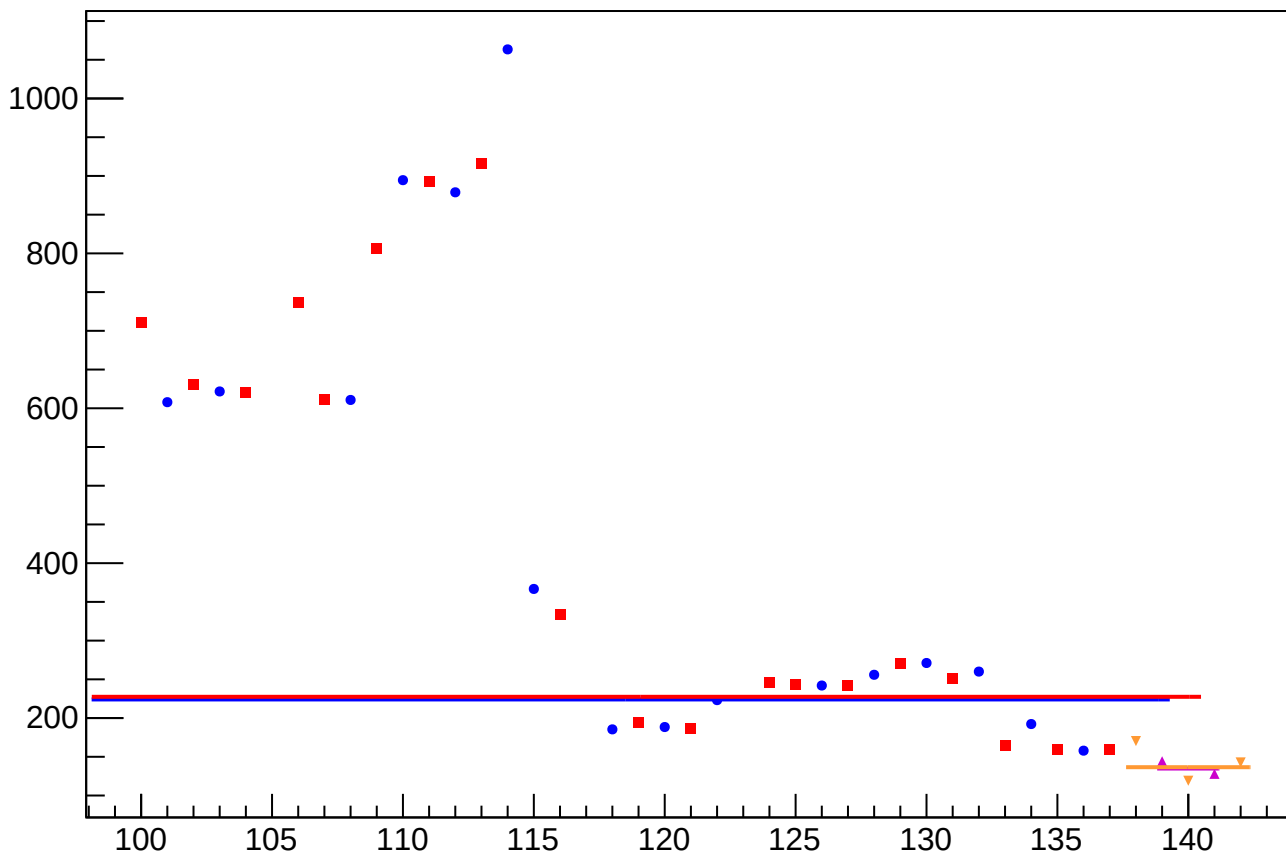
Left In: -109.626 ± 103.683 $\chi^2/\text{NDF}: 2.0/1$

+ sign 10.549 ± 67.206 $\chi^2/\text{NDF}: 12.7/18$

All: -49.225 ± 48.604 $\chi^2/\text{NDF}: 32.4/39$

- sign -114.771 ± 70.376 $\chi^2/\text{NDF}: 18.0/20$

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: 136.563 $\pm$ 0.068 χ^2 /NDF: 98218.6/2

Right Out: 227.451 $\pm$ 0.068 χ^2 /NDF: 3640634.3/18

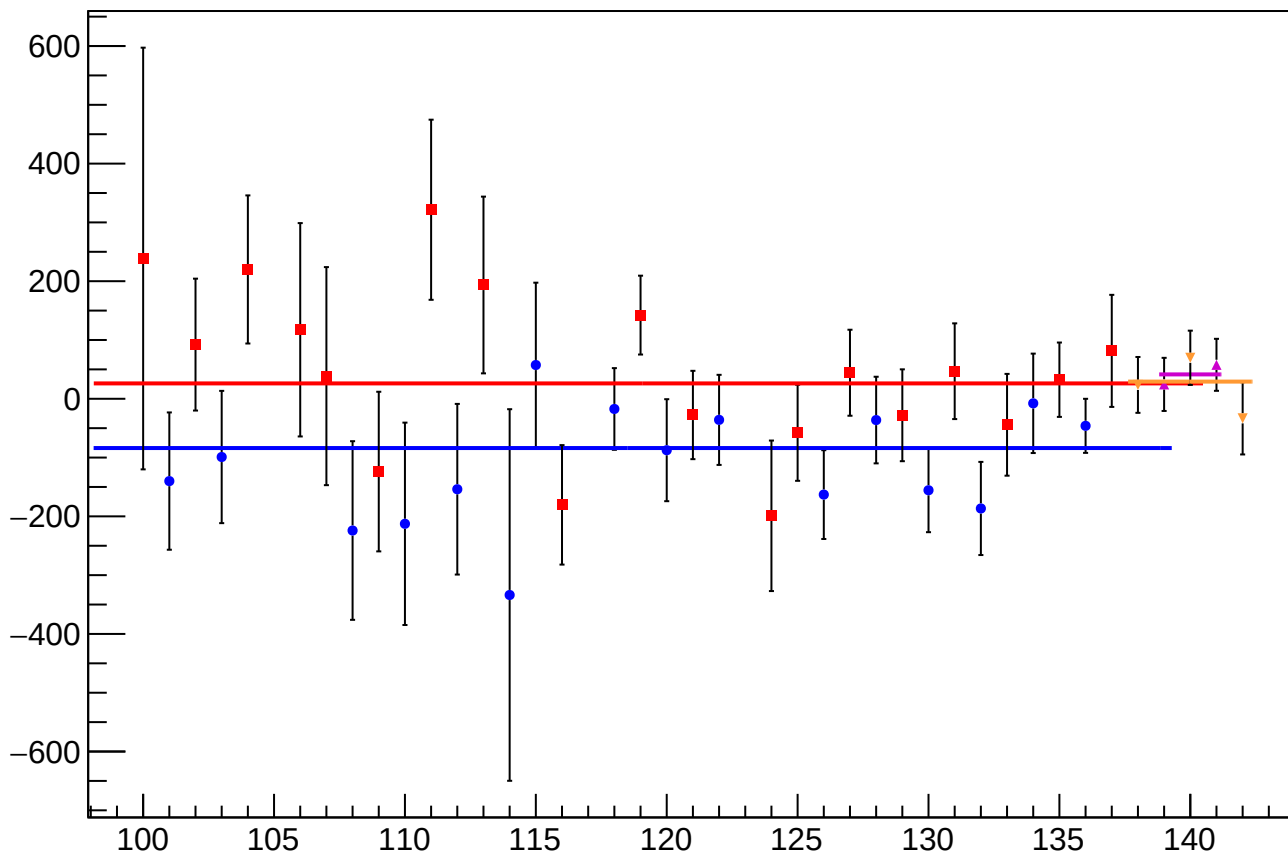
Left In: 134.829 $\pm$ 0.073 χ^2 /NDF: 11900.7/1

+ sign 181.698 $\pm$ 0.048 χ^2 /NDF: 3912555.3/18

All: 183.167 $\pm$ 0.034 χ^2 /NDF: 8427799.7/39

- sign 184.778 $\pm$ 0.050 χ^2 /NDF: 4513240.2/20

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805 ± 21.434 χ^2/NDF : 10.5/15

Left Out: 29.216 ± 29.145 χ^2/NDF : 1.8/2

Right Out: 26.142 ± 22.069 χ^2/NDF : 22.9/18

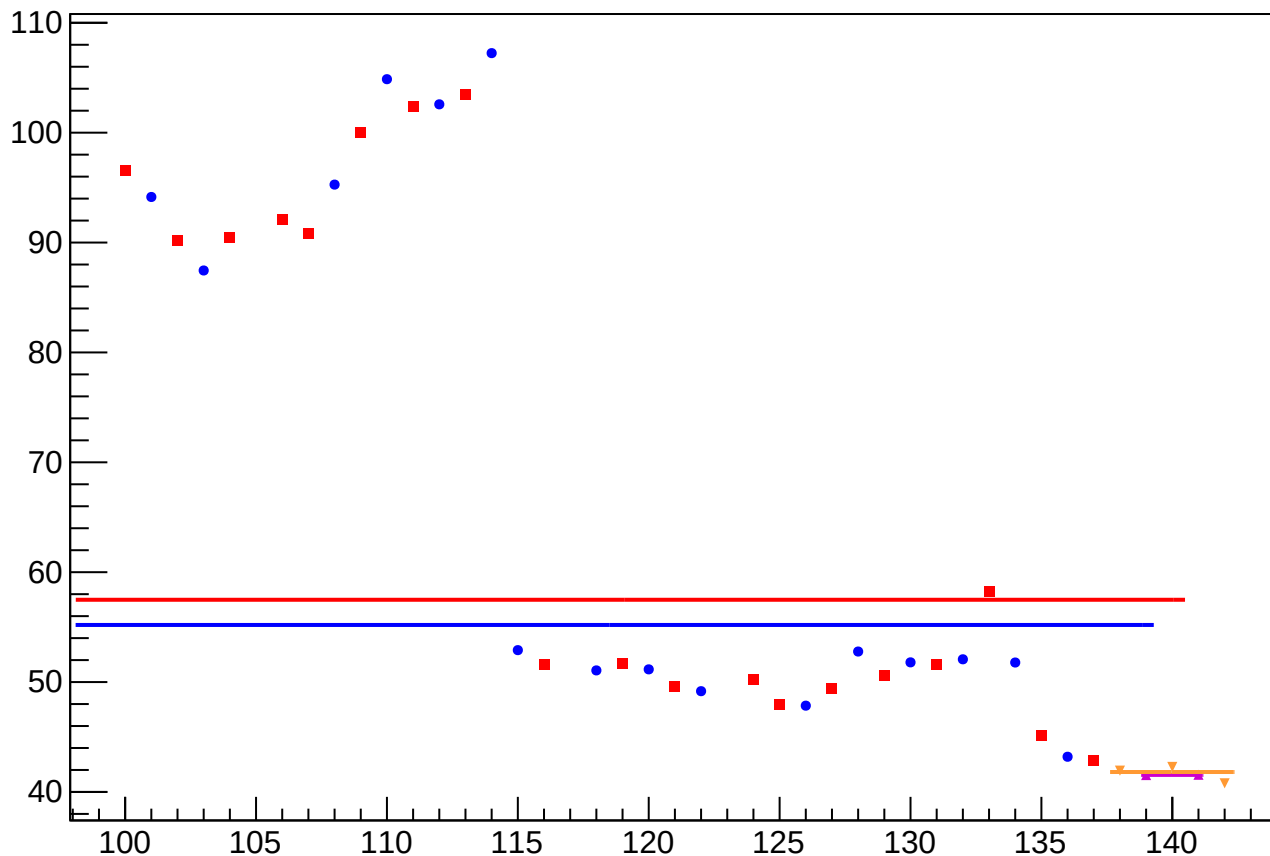
Left In: 41.466 ± 31.601 χ^2/NDF : 0.3/1

+ sign -44.133 ± 17.268 χ^2/NDF : 22.1/18

All: -8.242 ± 12.492 χ^2/NDF : 54.5/39

- sign 31.166 ± 18.094 χ^2/NDF : 23.3/20

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF : 1152581.3/15

Left Out: 41.815+/-0.021 χ^2/NDF : 776.3/2

Right Out: 57.490+/-0.016 χ^2/NDF : 1274387.3/18

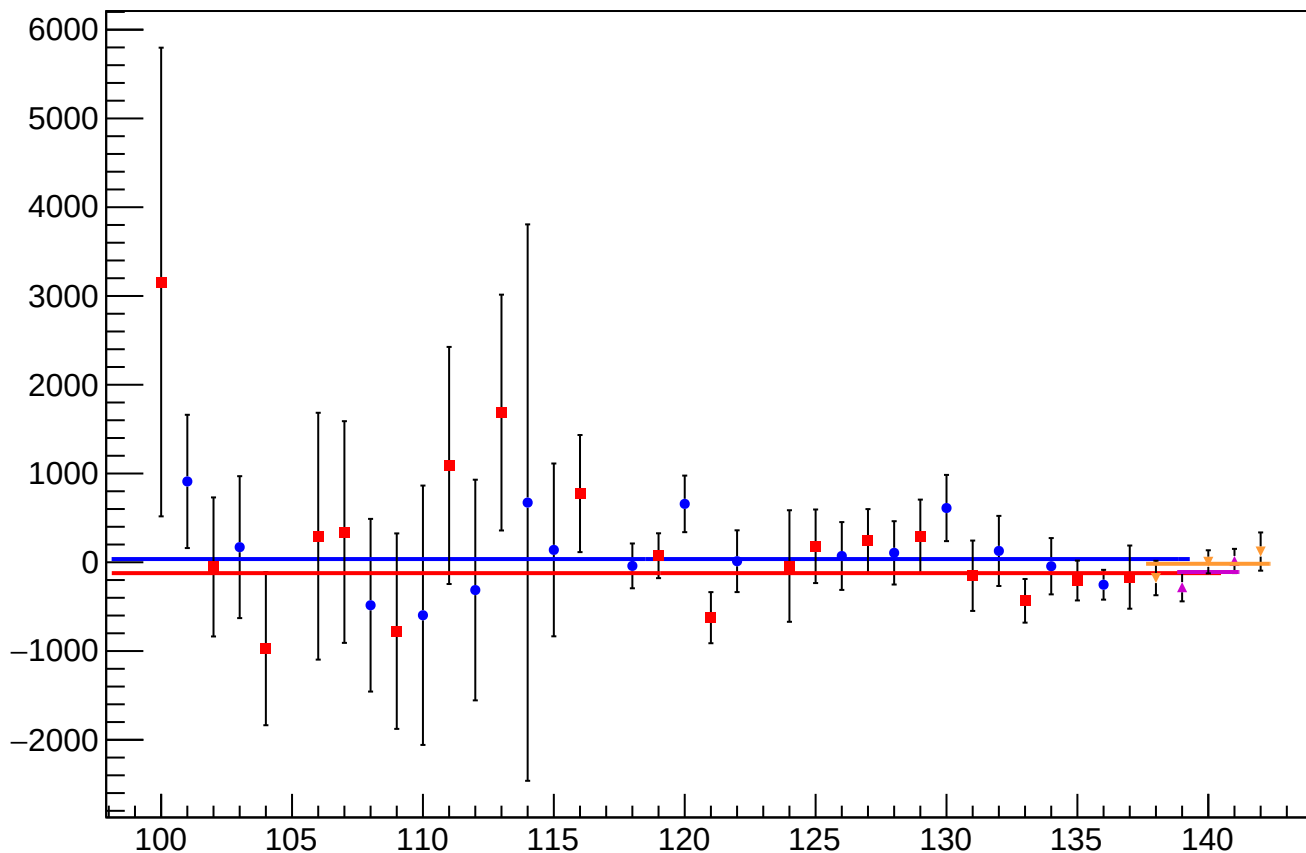
Left In: 41.551+/-0.022 χ^2/NDF : 0.4/1

+ sign 50.500+/-0.012 χ^2/NDF : 1427031.7/18

All: 51.341+/-0.009 χ^2/NDF : 3053384.1/39

- sign 52.265+/-0.013 χ^2/NDF : 1616392.5/20

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327 ± 93.563 χ^2/NDF : 11.4/15

Left Out: -16.929 ± 96.597 χ^2/NDF : 1.1/2

Right Out: -122.289 ± 95.865 χ^2/NDF : 15.6/18

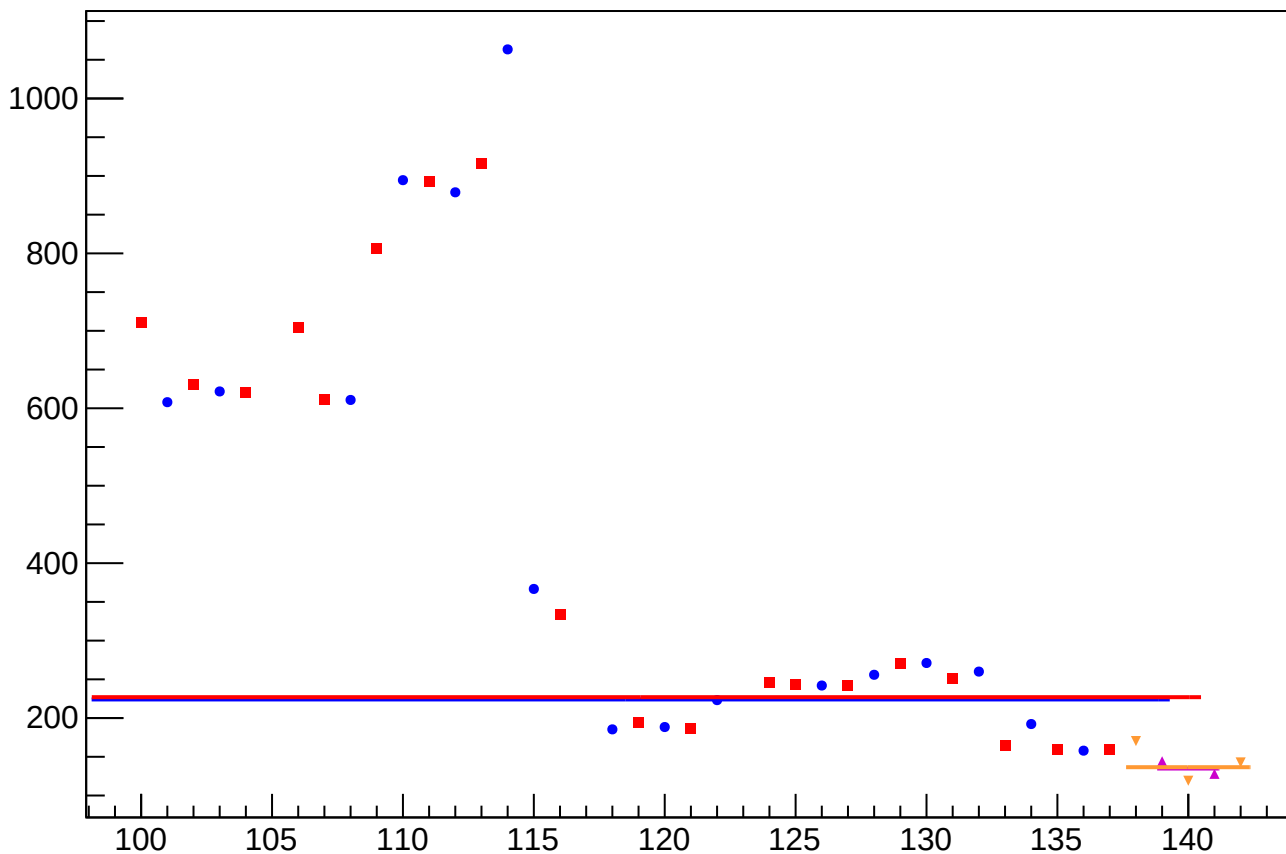
Left In: -109.626 ± 103.683 χ^2/NDF : 2.0/1

+ sign 10.548 ± 67.206 χ^2/NDF : 12.7/18

All: -50.016 ± 48.608 χ^2/NDF : 32.0/39

- sign -116.453 ± 70.388 χ^2/NDF : 17.6/20

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: 136.563 $\pm$ 0.068 χ^2 /NDF: 98217.3/2

Right Out: 226.971 $\pm$ 0.068 χ^2 /NDF: 3571946.9/18

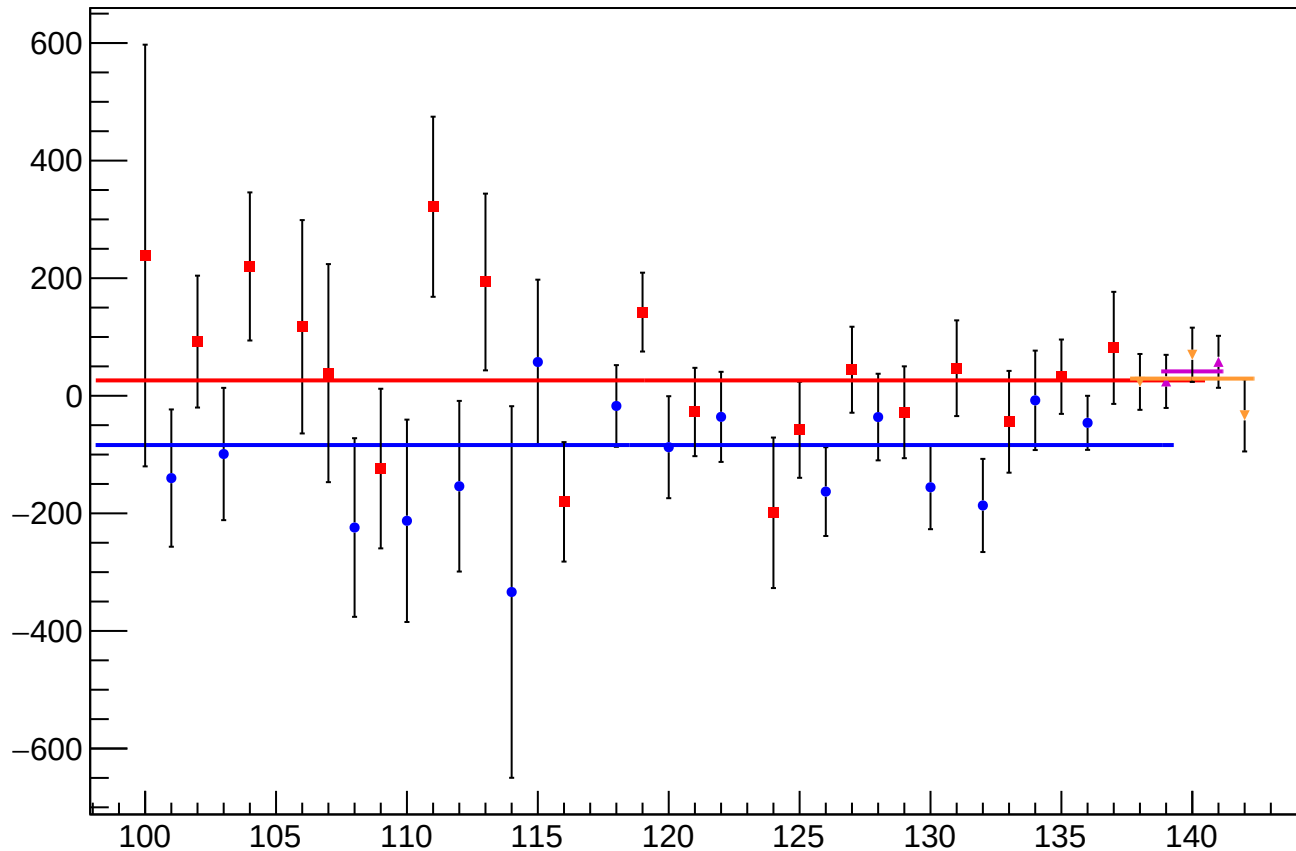
Left In: 134.829 $\pm$ 0.073 χ^2 /NDF: 11900.7/1

+ sign 181.698 $\pm$ 0.048 χ^2 /NDF: 3912560.2/18

All: 183.036 $\pm$ 0.034 χ^2 /NDF: 8349626.3/39

- sign 184.505 $\pm$ 0.050 χ^2 /NDF: 4435402.5/20

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805 ± 21.434 $\chi^2/\text{NDF}: 10.5/15$

Left Out: 29.216 ± 29.145 $\chi^2/\text{NDF}: 1.8/2$

Right Out: 26.142 ± 22.069 $\chi^2/\text{NDF}: 22.9/18$

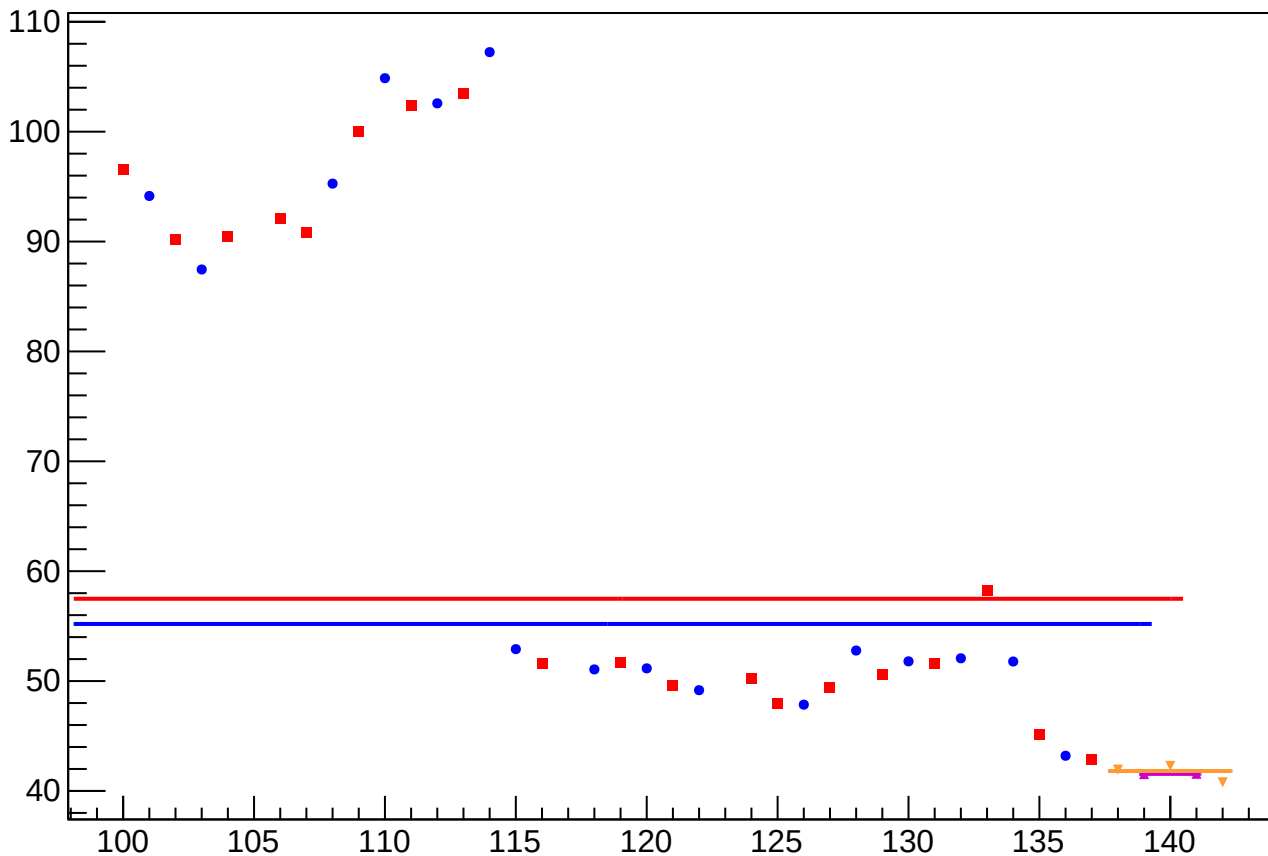
Left In: 41.466 ± 31.601 $\chi^2/\text{NDF}: 0.3/1$

+ sign -44.133 ± 17.268 $\chi^2/\text{NDF}: 22.1/18$

All: -8.242 ± 12.492 $\chi^2/\text{NDF}: 54.5/39$

- sign 31.166 ± 18.094 $\chi^2/\text{NDF}: 23.3/20$

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: 41.815 $\pm$ 0.021 χ^2 /NDF: 776.3/2

Right Out: 57.490 $\pm$ 0.016 χ^2 /NDF: 1274387.3/18

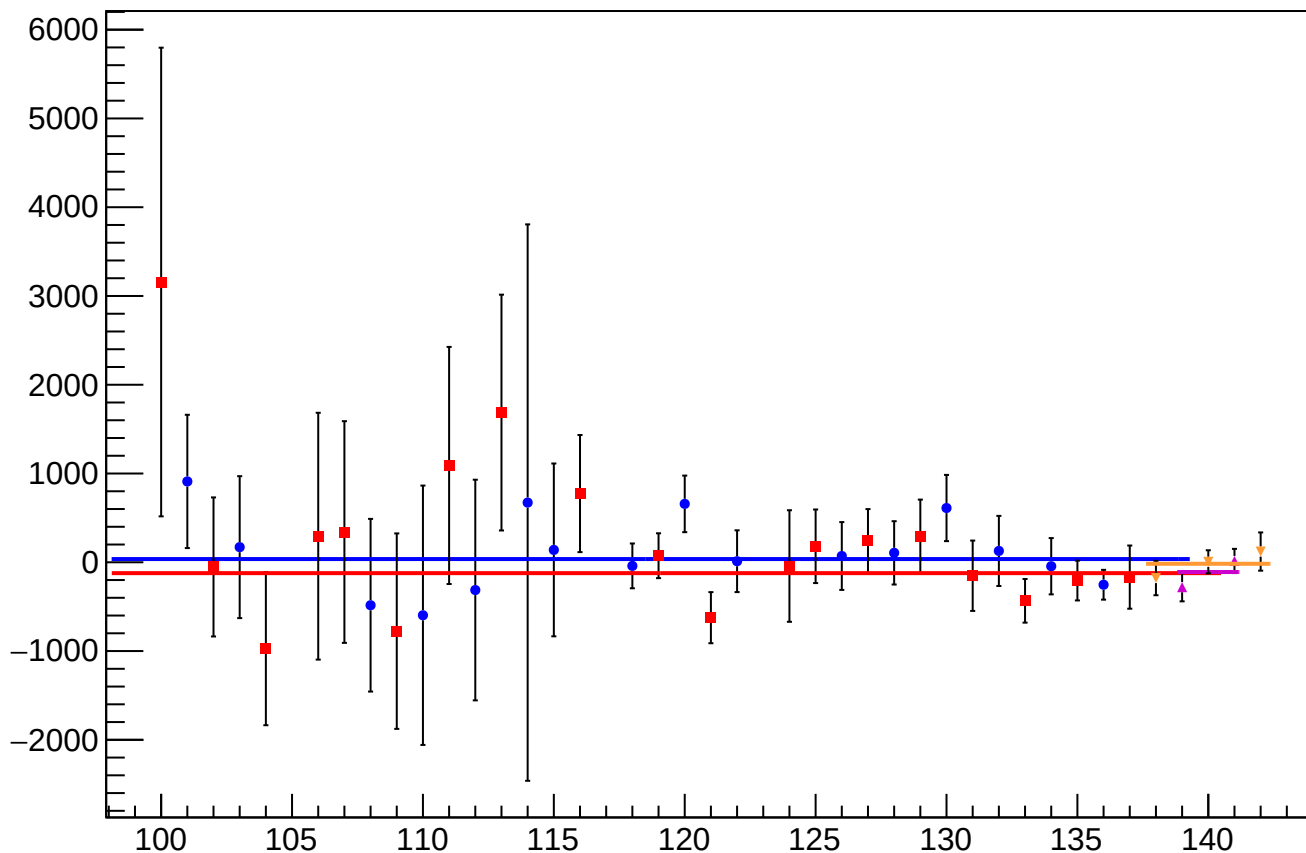
Left In: 41.551 $\pm$ 0.022 χ^2 /NDF: 0.4/1

+ sign 50.500 $\pm$ 0.012 χ^2 /NDF: 1427031.7/18

All: 51.341 $\pm$ 0.009 χ^2 /NDF: 3053384.1/39

- sign 52.265 $\pm$ 0.013 χ^2 /NDF: 1616392.5/20

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: -16.929 ± 96.597 χ^2/NDF : 1.1/2

Right Out: -122.289 ± 95.865 χ^2/NDF : 15.6/18

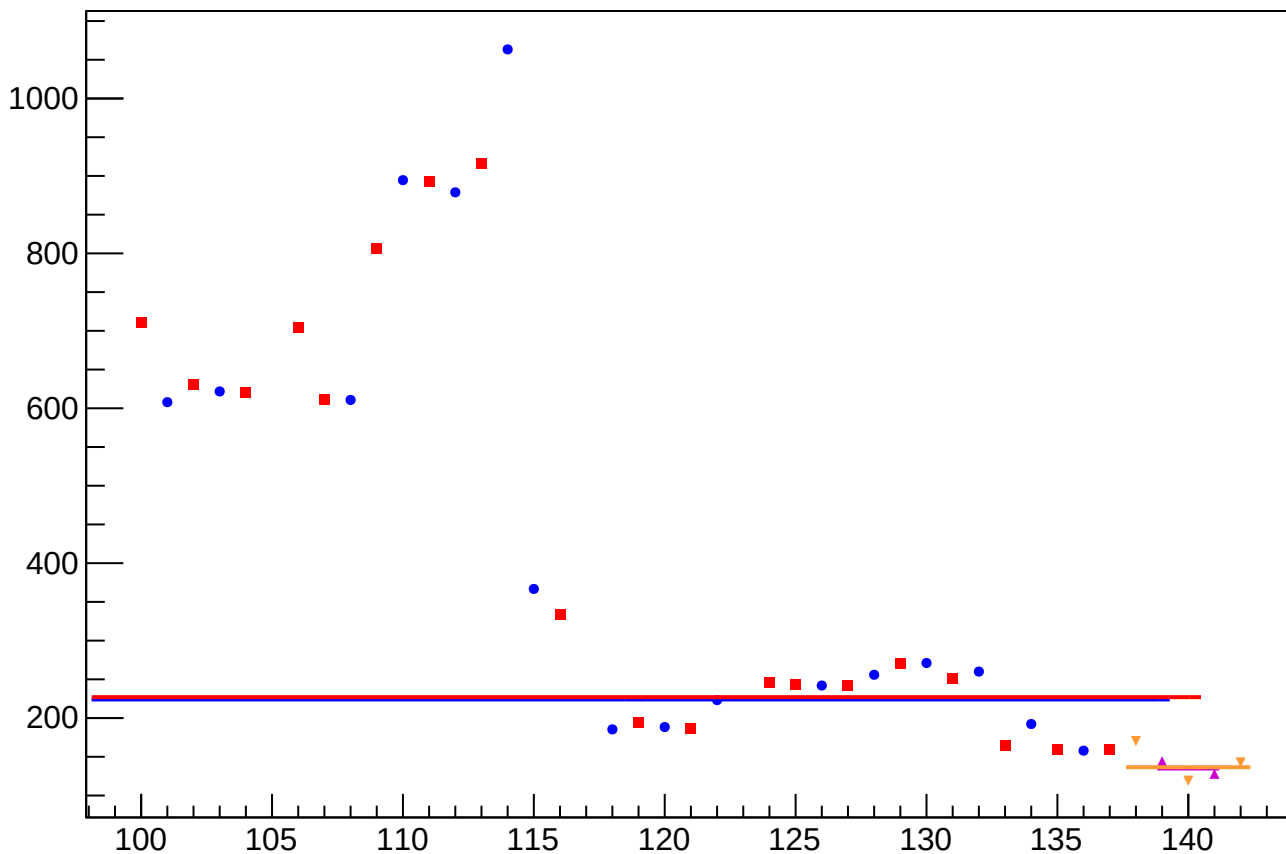
Left In: -109.626 ± 103.683 χ^2/NDF : 2.0/1

+ sign 10.548 ± 67.206 χ^2/NDF : 12.7/18

All: -50.016 ± 48.608 χ^2/NDF : 32.0/39

- sign -116.453 ± 70.388 χ^2/NDF : 17.6/20

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: 136.563 $\pm$ 0.068 χ^2 /NDF: 98217.3/2

Right Out: 226.971 $\pm$ 0.068 χ^2 /NDF: 3571946.9/18

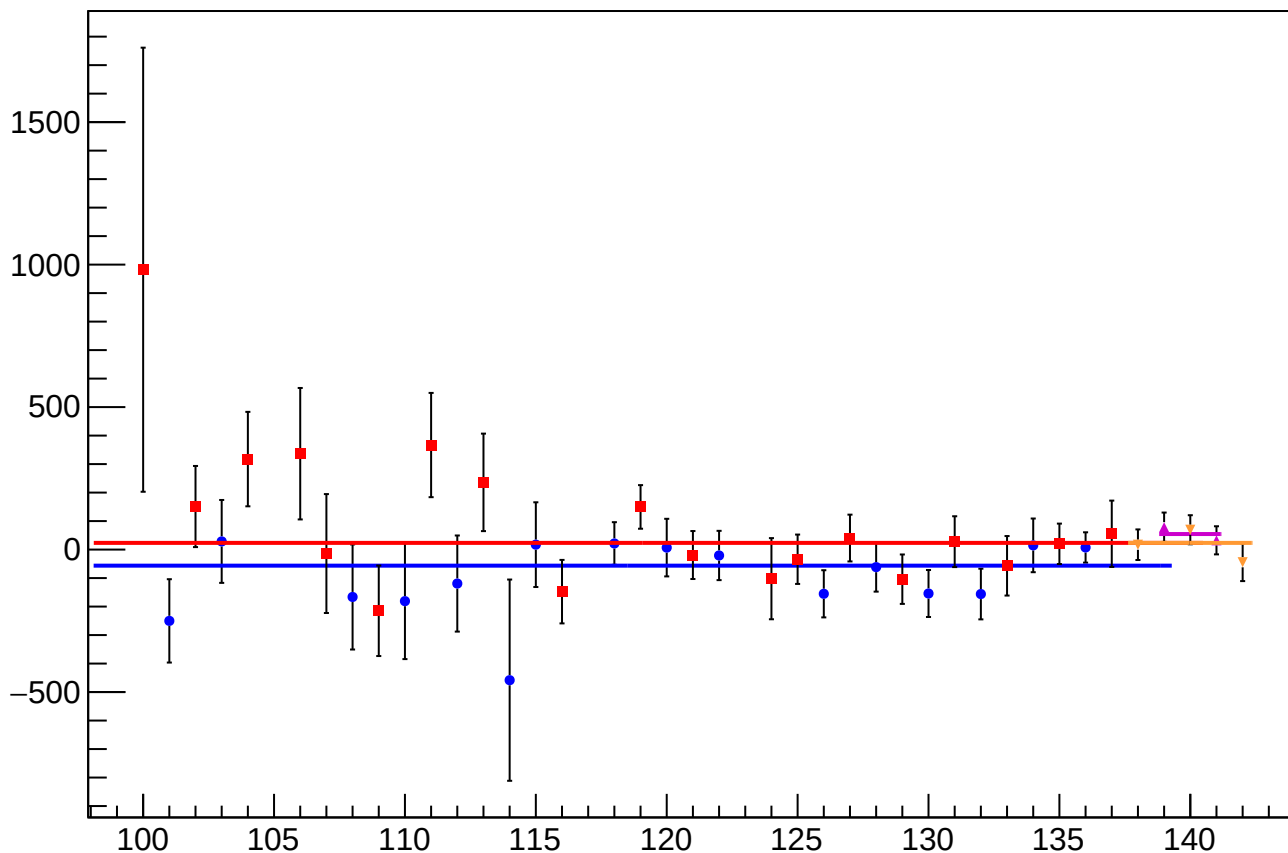
Left In: 134.829 $\pm$ 0.073 χ^2 /NDF: 11900.7/1

+ sign 181.698 $\pm$ 0.048 χ^2 /NDF: 3912560.2/18

All: 183.036 $\pm$ 0.034 χ^2 /NDF: 8349626.3/39

- sign 184.505 $\pm$ 0.050 χ^2 /NDF: 4435402.5/20

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414 ± 24.489 χ^2/NDF : 12.3/15

Left Out: 23.470 ± 32.291 χ^2/NDF : 1.9/2

Right Out: 23.495 ± 25.161 χ^2/NDF : 24.1/18

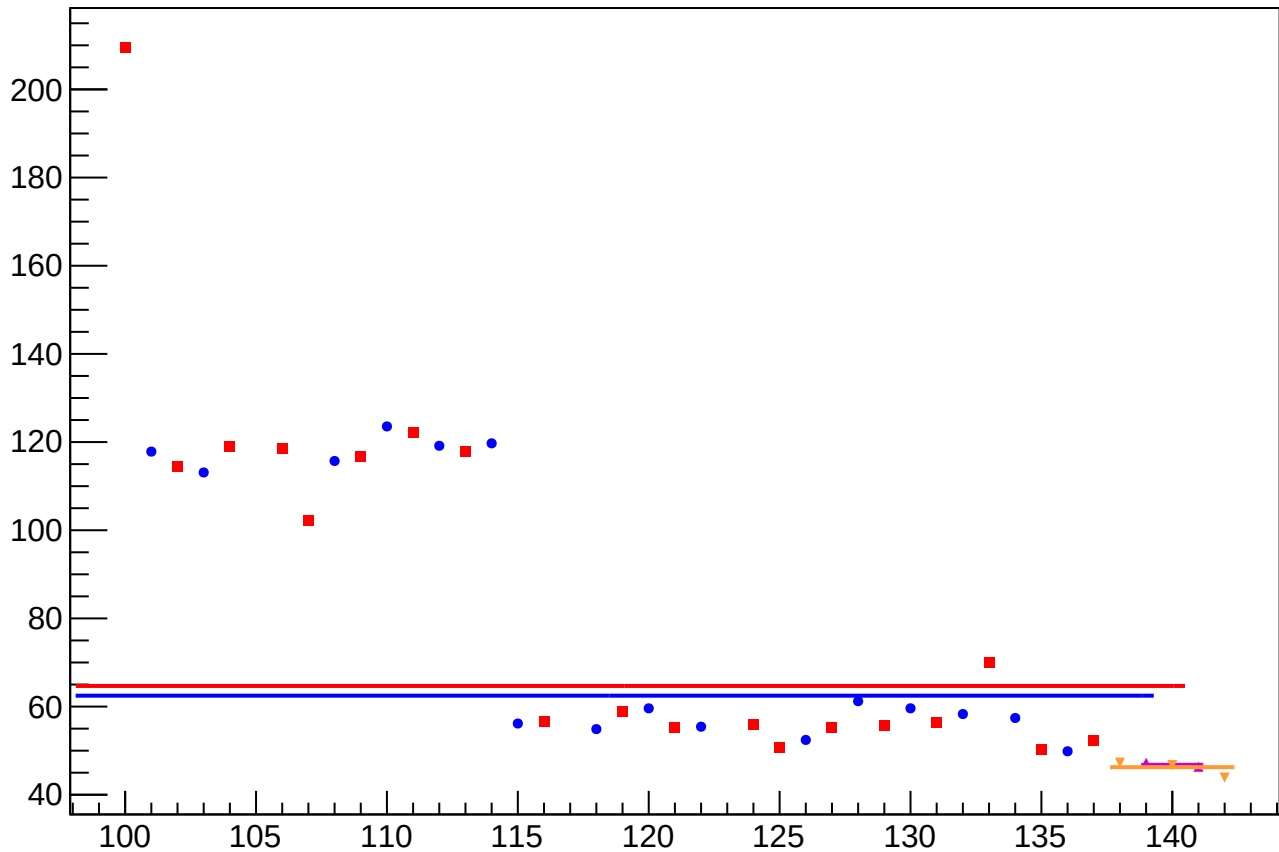
Left In: 54.533 ± 35.595 χ^2/NDF : 0.4/1

+ sign -27.246 ± 19.512 χ^2/NDF : 18.0/18

All: 1.720 ± 14.149 χ^2/NDF : 47.7/39

- sign 33.836 ± 20.546 χ^2/NDF : 25.0/20

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF : 1348224.3/15

Left Out: 46.254+/-0.023 χ^2/NDF : 3452.5/2

Right Out: 64.680+/-0.018 χ^2/NDF : 1590446.9/18

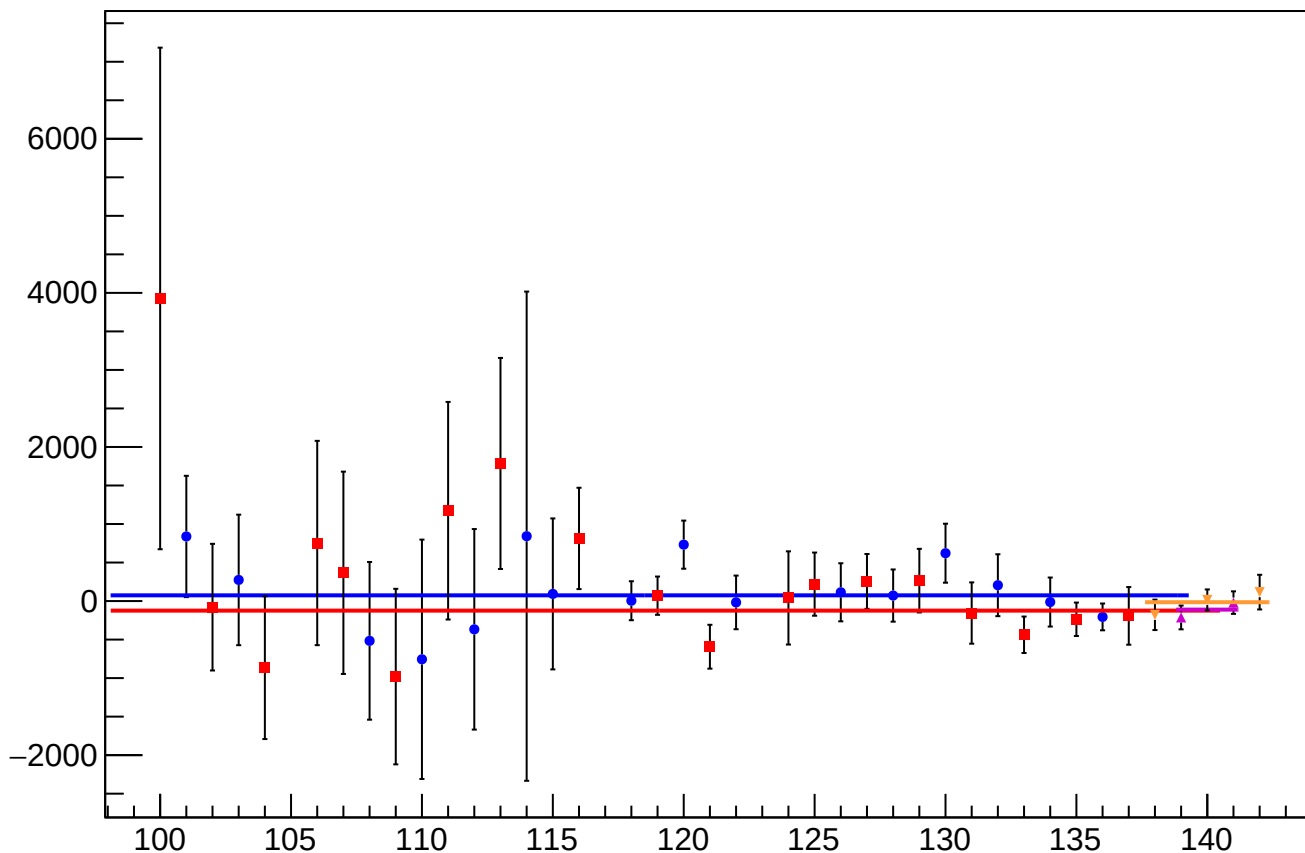
Left In: 46.791+/-0.025 χ^2/NDF : 328.4/1

+ sign 56.552+/-0.014 χ^2/NDF : 1672061.2/18

All: 57.580+/-0.010 χ^2/NDF : 3611401.5/39

- sign 58.720+/-0.015 χ^2/NDF : 1927625.0/20

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294 $\pm$ 94.492 χ^2 /NDF: 11.2/15

Left Out: -14.977 $\pm$ 100.377 χ^2 /NDF: 1.1/2

Right Out: -124.201 $\pm$ 94.665 χ^2 /NDF: 16.3/18

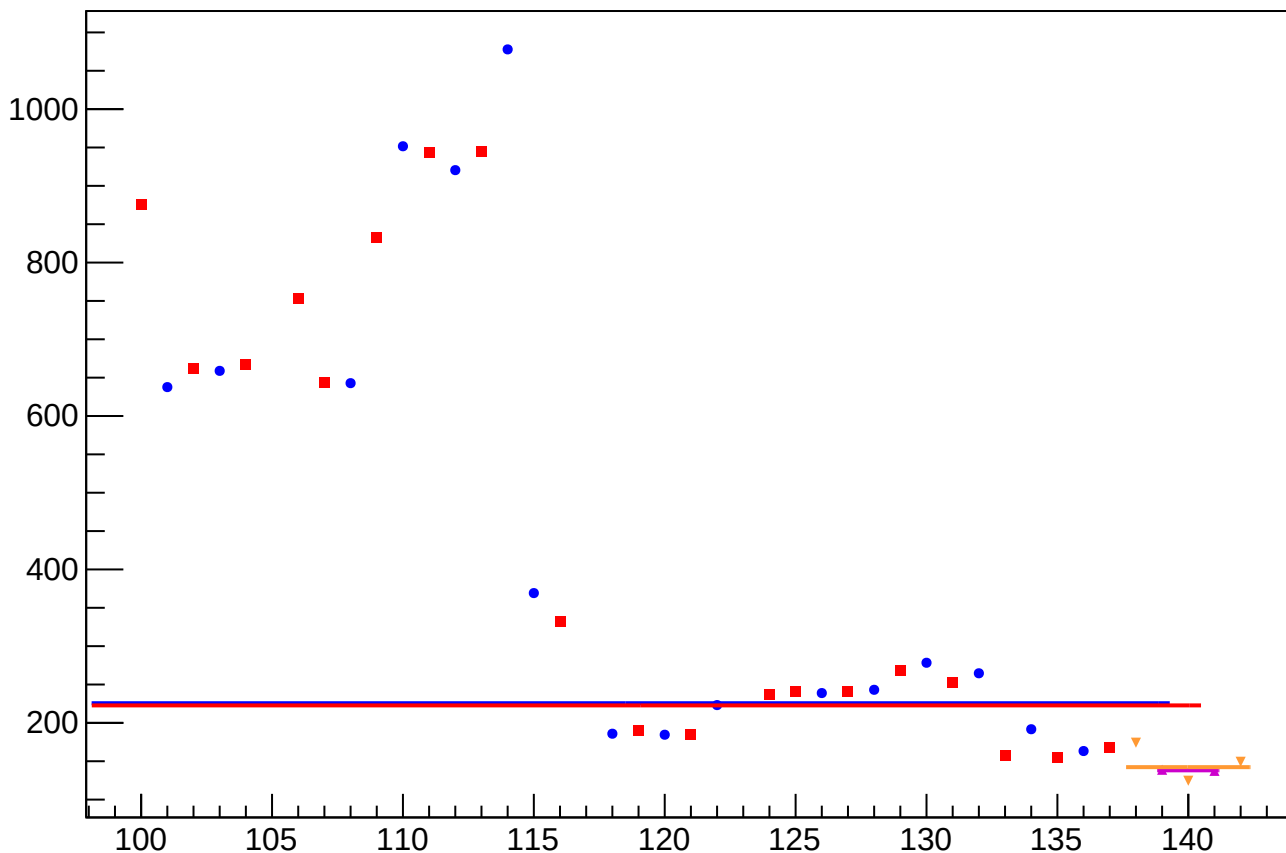
Left In: -111.011 $\pm$ 106.229 χ^2 /NDF: 0.8/1

+ sign 32.352 $\pm$ 68.802 χ^2 /NDF: 12.7/18

All: -40.983 $\pm$ 49.299 χ^2 /NDF: 32.2/39

- sign -118.363 $\pm$ 70.675 χ^2 /NDF: 17.2/20

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF : 3026007.7/15

Left Out: 142.301+/-0.071 χ^2/NDF : 87734.3/2

Right Out: 222.786+/-0.067 χ^2/NDF : 3848156.1/18

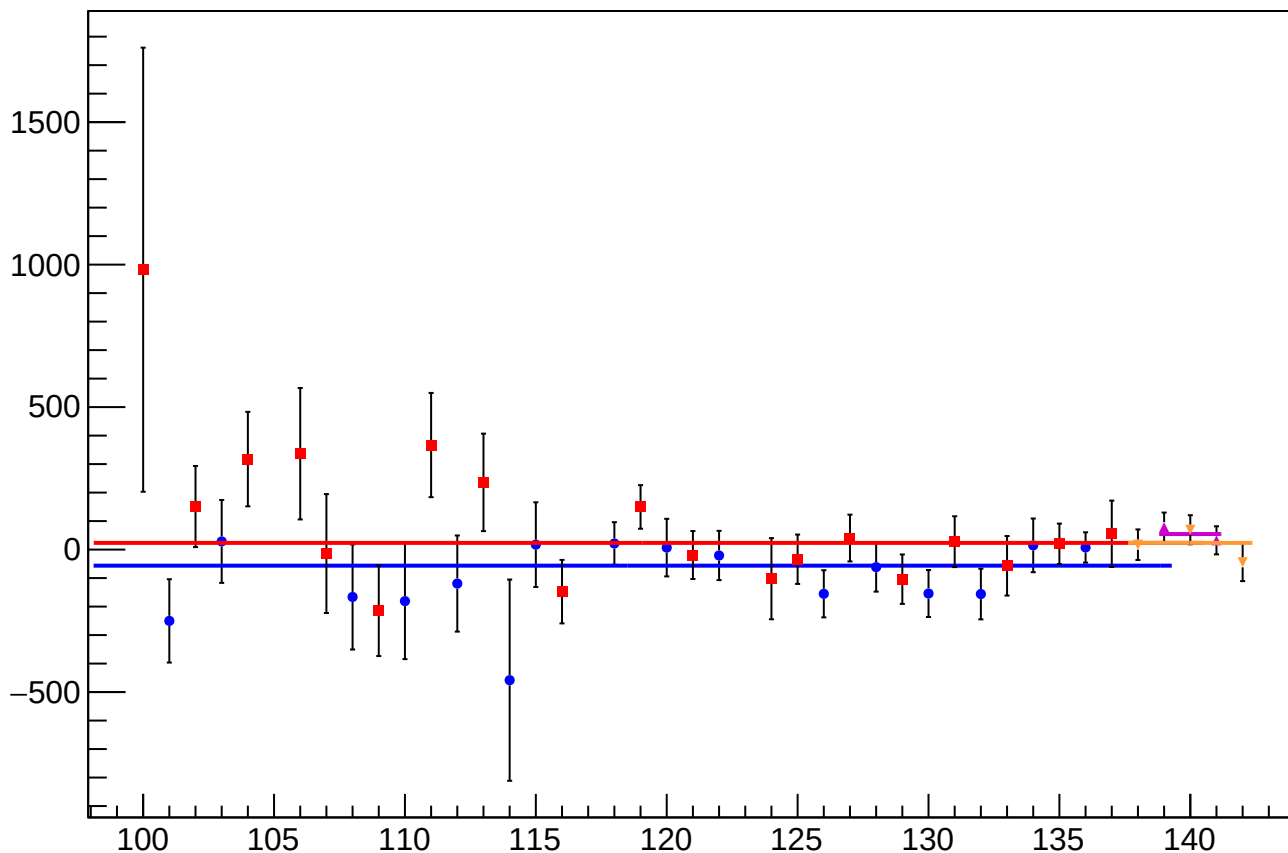
Left In: 138.143+/-0.075 χ^2/NDF : 91.0/1

+ sign 186.471+/-0.049 χ^2/NDF : 3844219.0/18

All: 185.911+/-0.035 χ^2/NDF : 8400474.6/39

- sign 185.320+/-0.050 χ^2/NDF : 4555983.4/20

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415 ± 24.489 χ^2/NDF : 12.3/15

Left Out: 23.470 ± 32.291 χ^2/NDF : 1.9/2

Right Out: 23.498 ± 25.160 χ^2/NDF : 24.1/18

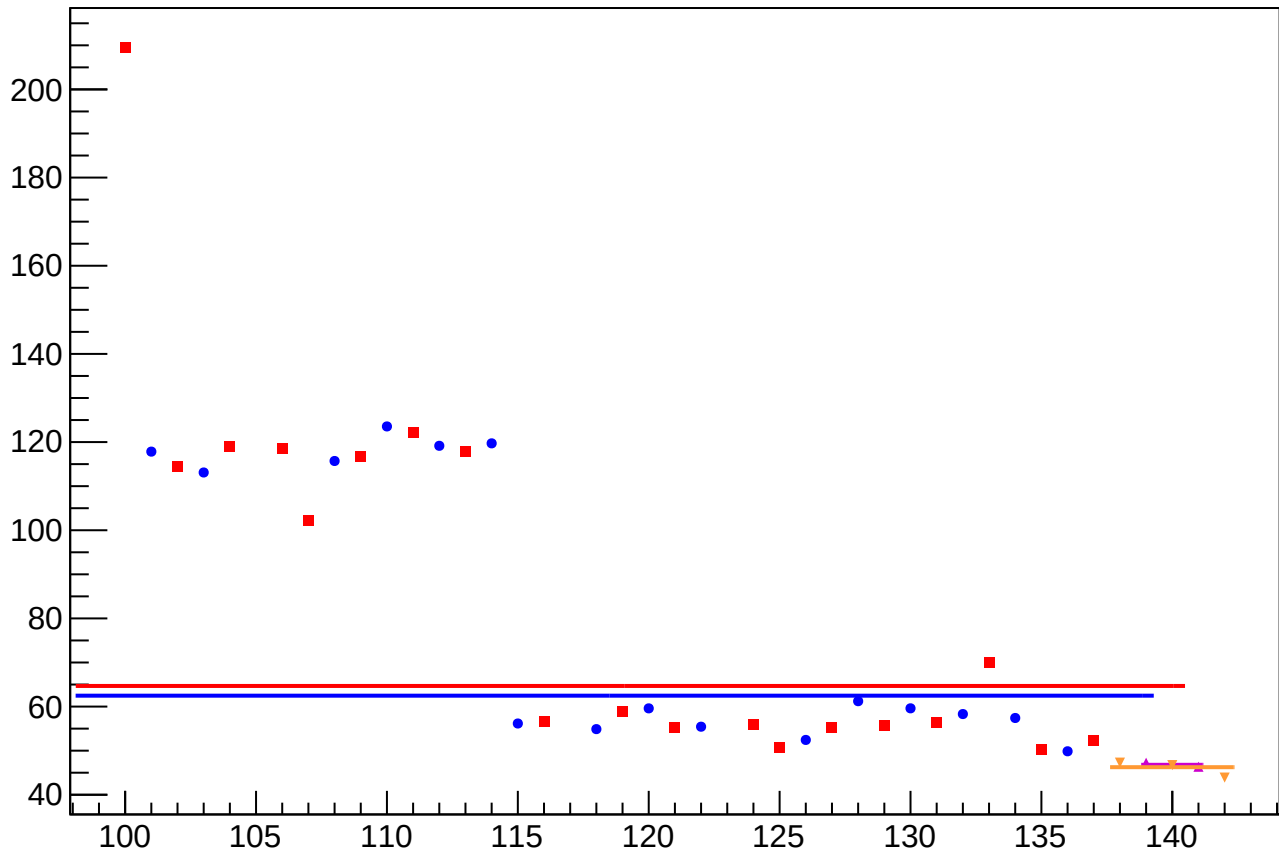
Left In: 54.532 ± 35.595 χ^2/NDF : 0.4/1

+ sign -27.246 ± 19.512 χ^2/NDF : 18.0/18

All: 1.721 ± 14.149 χ^2/NDF : 47.7/39

- sign 33.838 ± 20.546 χ^2/NDF : 25.0/20

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474 $\pm$ 0.017 χ^2 /NDF: 1348204.7/15

Left Out: 46.254 $\pm$ 0.023 χ^2 /NDF: 3452.0/2

Right Out: 64.680 $\pm$ 0.018 χ^2 /NDF: 1590426.1/18

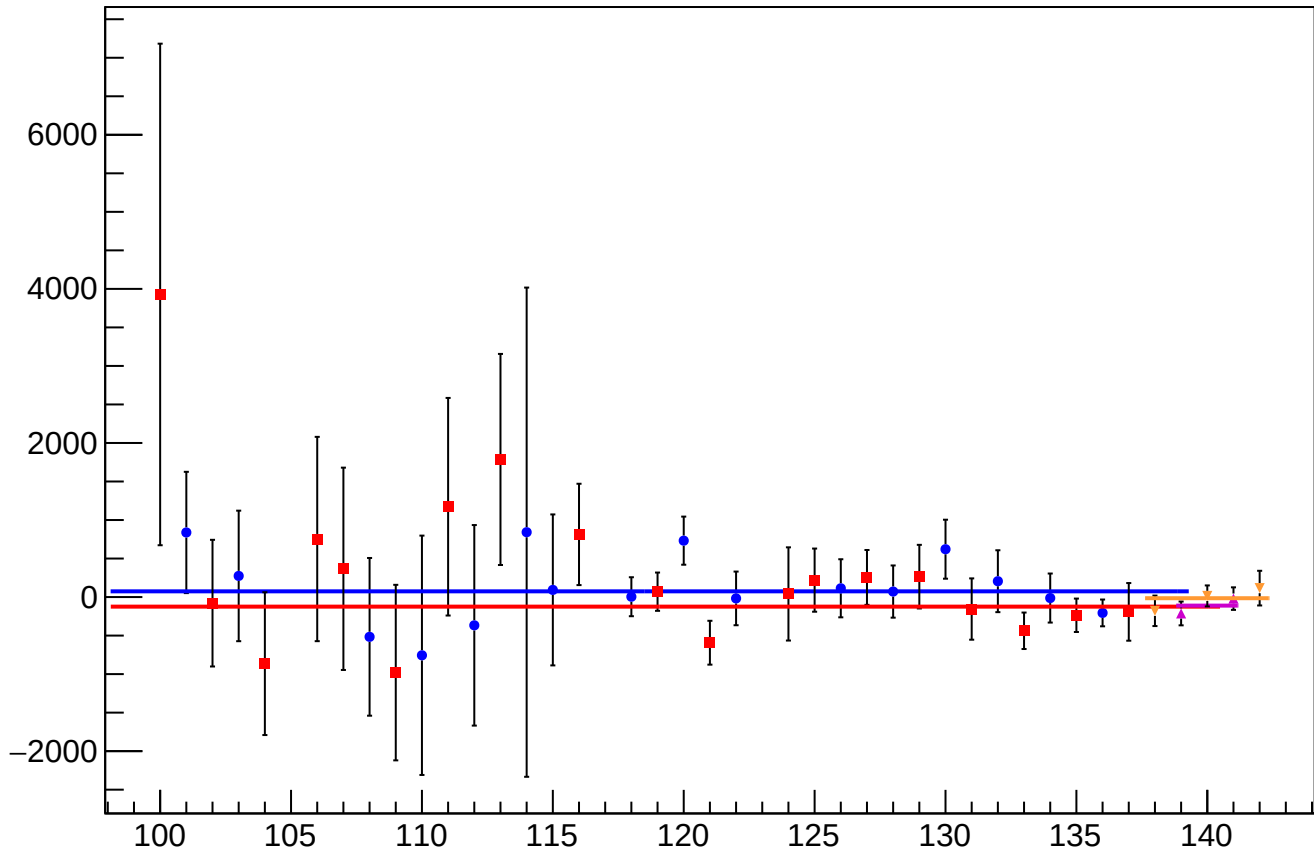
Left In: 46.791 $\pm$ 0.025 χ^2 /NDF: 327.9/1

+ sign 56.551 $\pm$ 0.014 χ^2 /NDF: 1672017.4/18

All: 57.580 $\pm$ 0.010 χ^2 /NDF: 3611325.7/39

- sign 58.720 $\pm$ 0.015 χ^2 /NDF: 1927592.0/20

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: -14.976+/-100.378 χ^2/NDF : 1.1/2

Right Out: -124.199+/-94.666 χ^2/NDF : 16.3/18

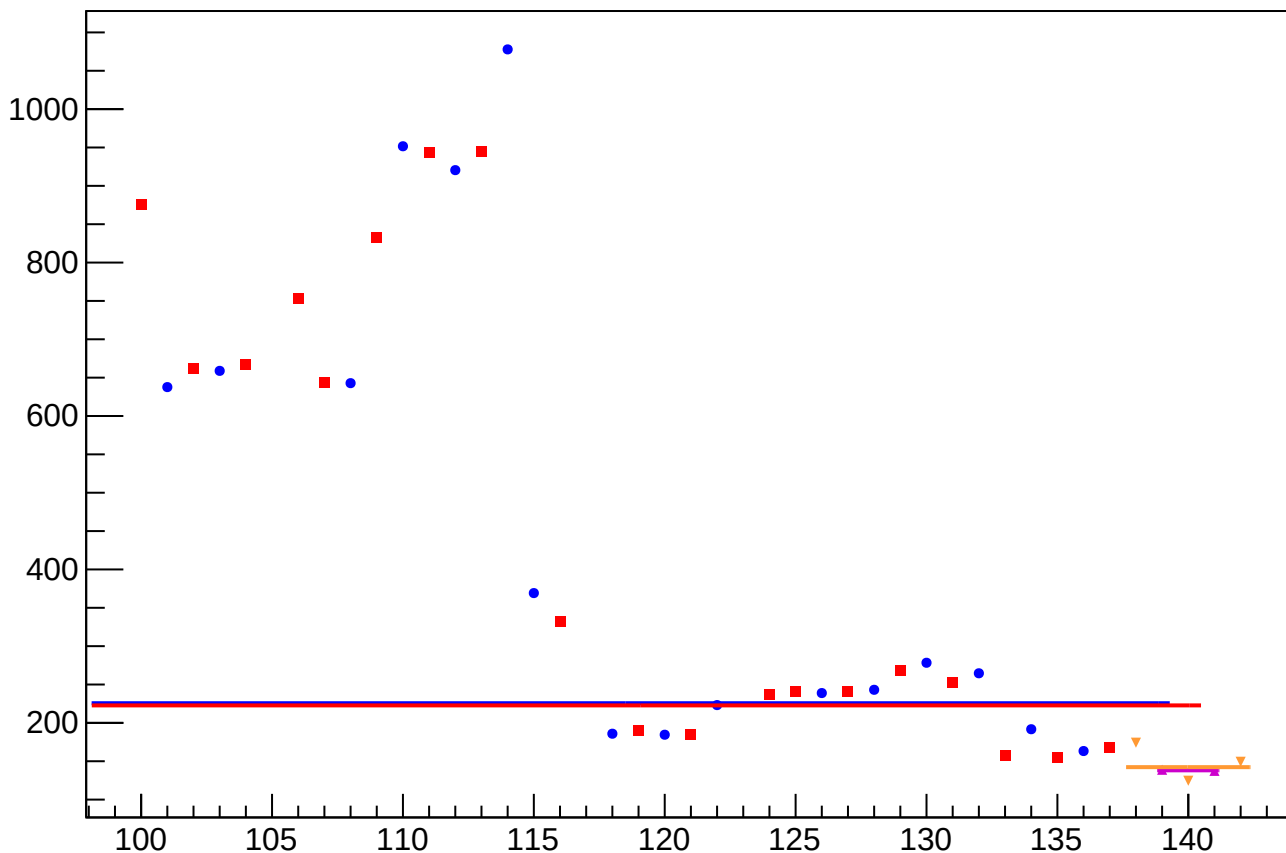
Left In: -111.012+/-106.229 χ^2/NDF : 0.8/1

+ sign 32.353+/-68.803 χ^2/NDF : 12.7/18

All: -40.982+/-49.299 χ^2/NDF : 32.2/39

- sign -118.362+/-70.675 χ^2/NDF : 17.2/20

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: 142.302 $\pm$ 0.071 χ^2 /NDF: 87734.2/2

Right Out: 222.787 $\pm$ 0.067 χ^2 /NDF: 3848136.6/18

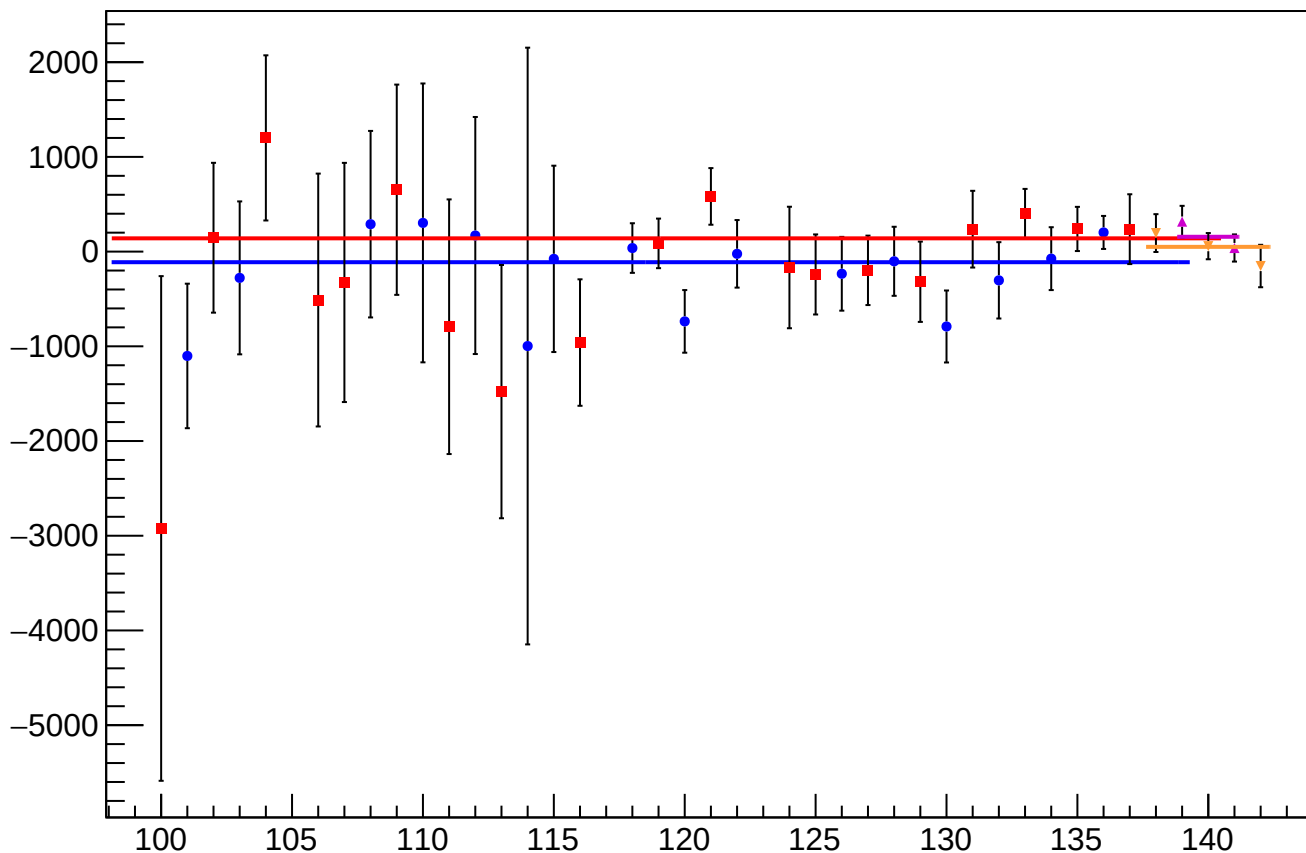
Left In: 138.144 $\pm$ 0.075 χ^2 /NDF: 91.0/1

+ sign 186.472 $\pm$ 0.049 χ^2 /NDF: 3844183.3/18

All: 185.912 $\pm$ 0.035 χ^2 /NDF: 8400407.2/39

- sign 185.321 $\pm$ 0.050 χ^2 /NDF: 4555951.8/20

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916 ± 96.551 χ^2/NDF : 12.8/15

Left Out: 50.063 ± 101.424 χ^2/NDF : 1.4/2

Right Out: 139.974 ± 99.174 χ^2/NDF : 14.6/18

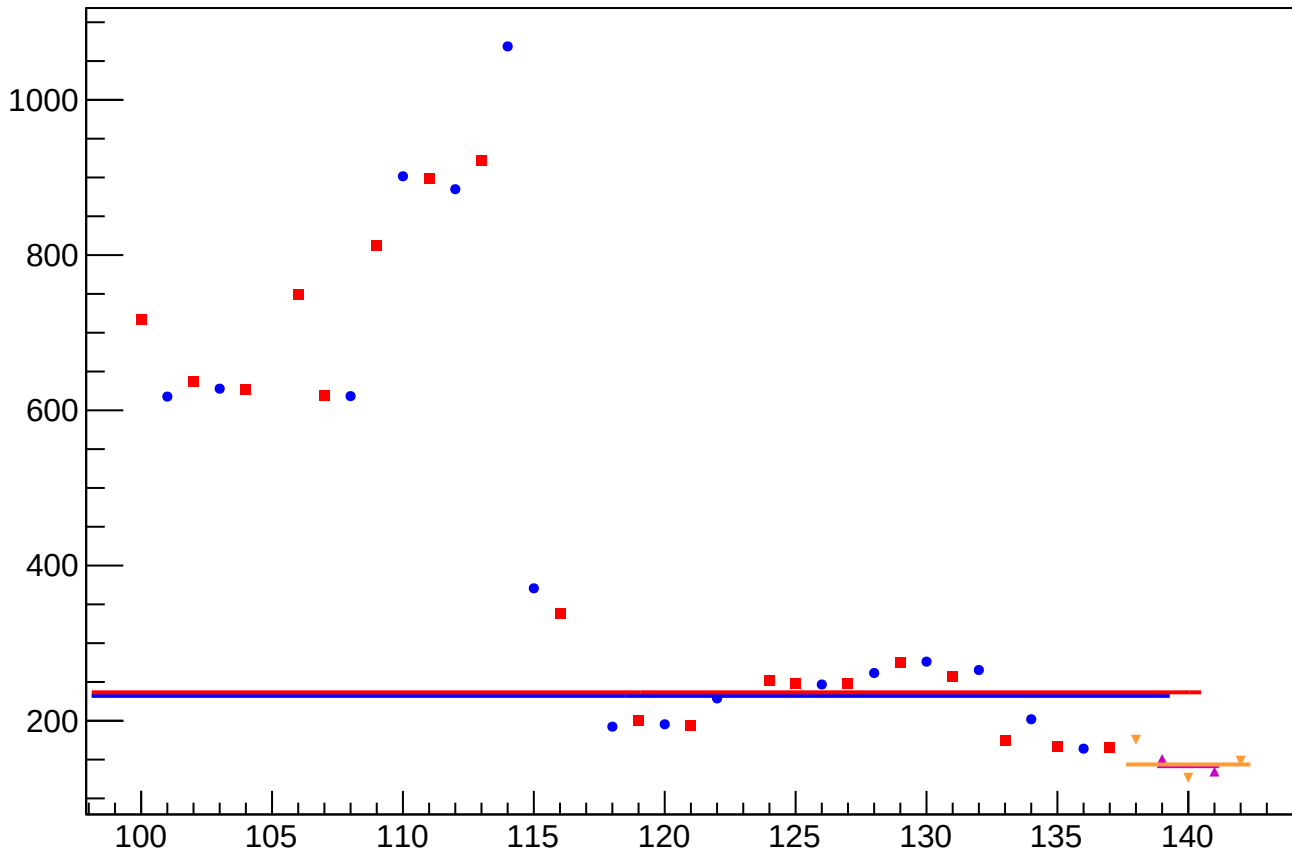
Left In: 156.492 ± 108.676 χ^2/NDF : 1.6/1

+ sign -34.912 ± 69.931 χ^2/NDF : 15.5/18

All: 52.051 ± 50.583 χ^2/NDF : 35.0/39

- sign 147.479 ± 73.256 χ^2/NDF : 16.3/20

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF : 2885510.6/15

Left Out: 143.737+/-0.072 χ^2/NDF : 82177.9/2

Right Out: 236.647+/-0.070 χ^2/NDF : 3521033.7/18

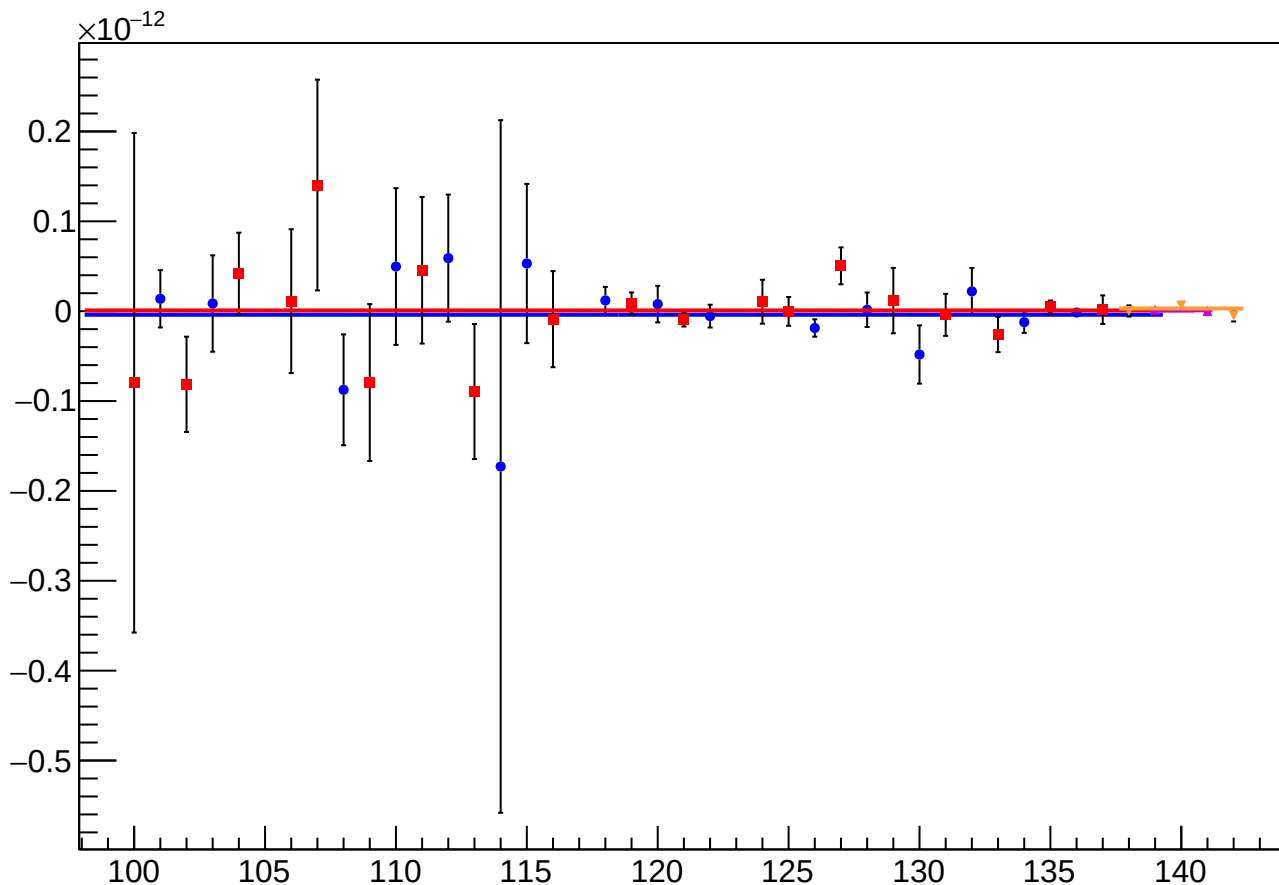
Left In: 141.529+/-0.077 χ^2/NDF : 10820.3/1

+ sign 190.096+/-0.049 χ^2/NDF : 3764181.5/18

All: 191.684+/-0.036 χ^2/NDF : 8134146.6/39

- sign 193.427+/-0.052 χ^2/NDF : 4367801.4/20

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2.5/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/18

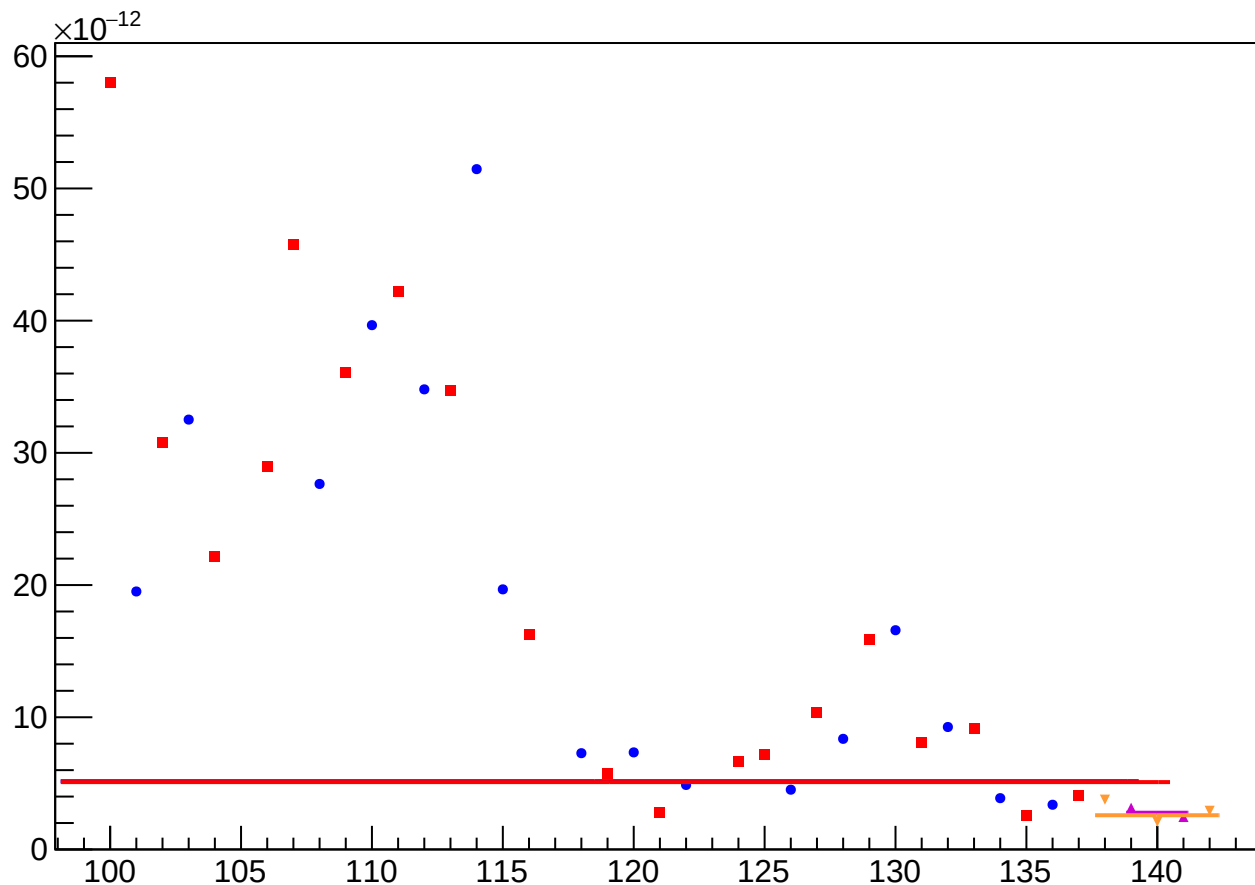
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.3/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.4/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/20

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2618432.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:115307.7/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3236196.8/18

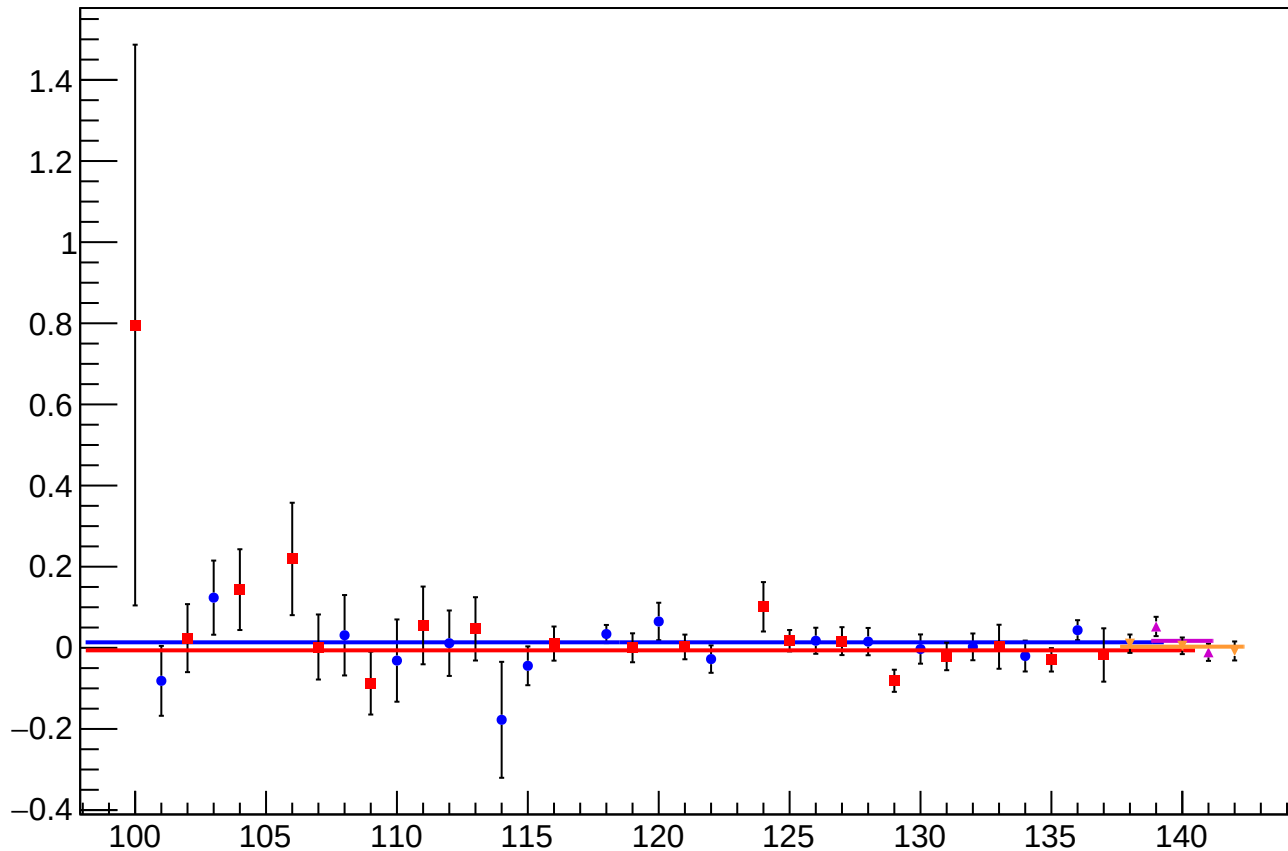
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:20683.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3356426.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7015294.9/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3649173.3/20

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: 0.003 ± 0.013 χ^2/NDF : 0.3/2

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/18

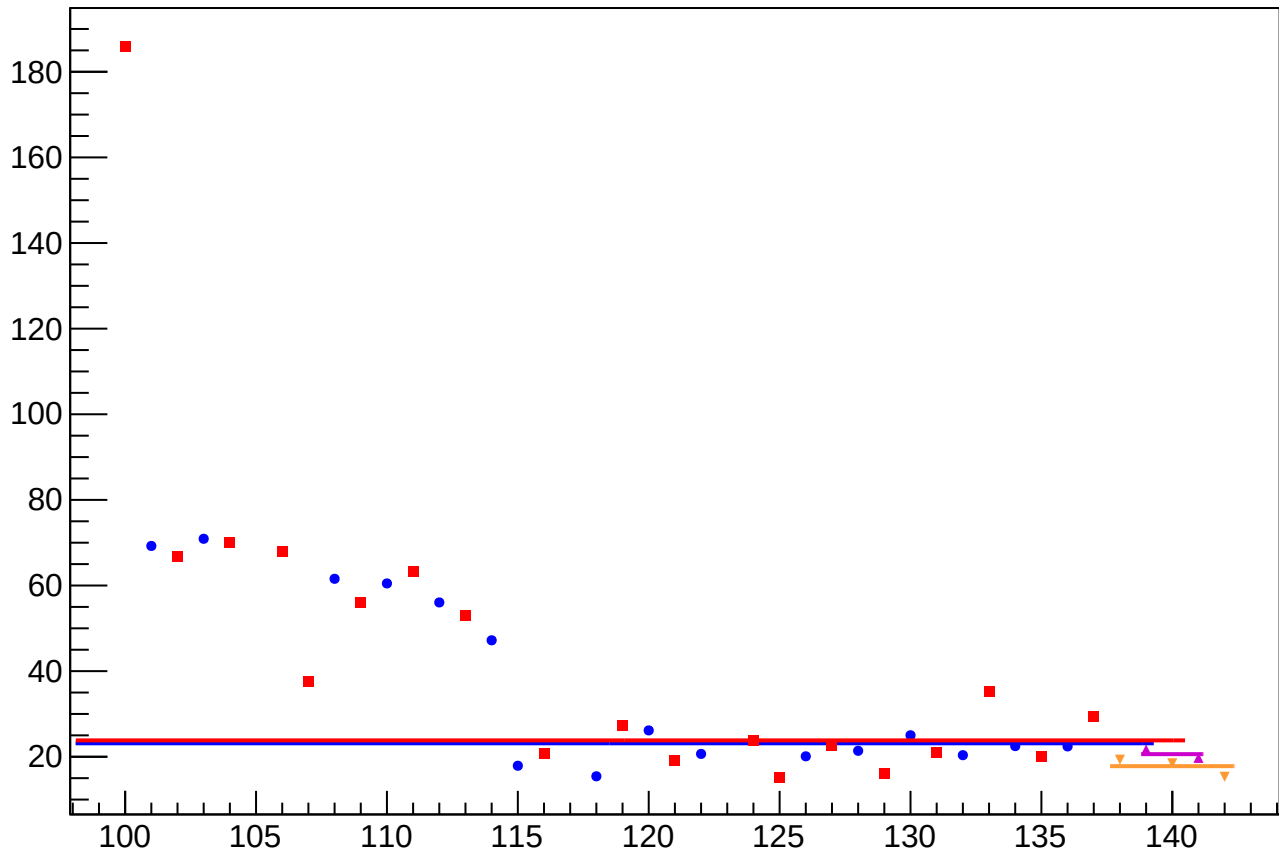
Left In: 0.017 ± 0.016 χ^2/NDF : 4.0/1

+ sign 0.010 ± 0.008 χ^2/NDF : 13.1/18

All: 0.005 ± 0.006 χ^2/NDF : 40.7/39

- sign 0.001 ± 0.008 χ^2/NDF : 27.0/20

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF : 2406426.8/15

Left Out: 17.806+/-0.009 χ^2/NDF : 33427.4/2

Right Out: 23.825+/-0.007 χ^2/NDF : 2898916.7/18

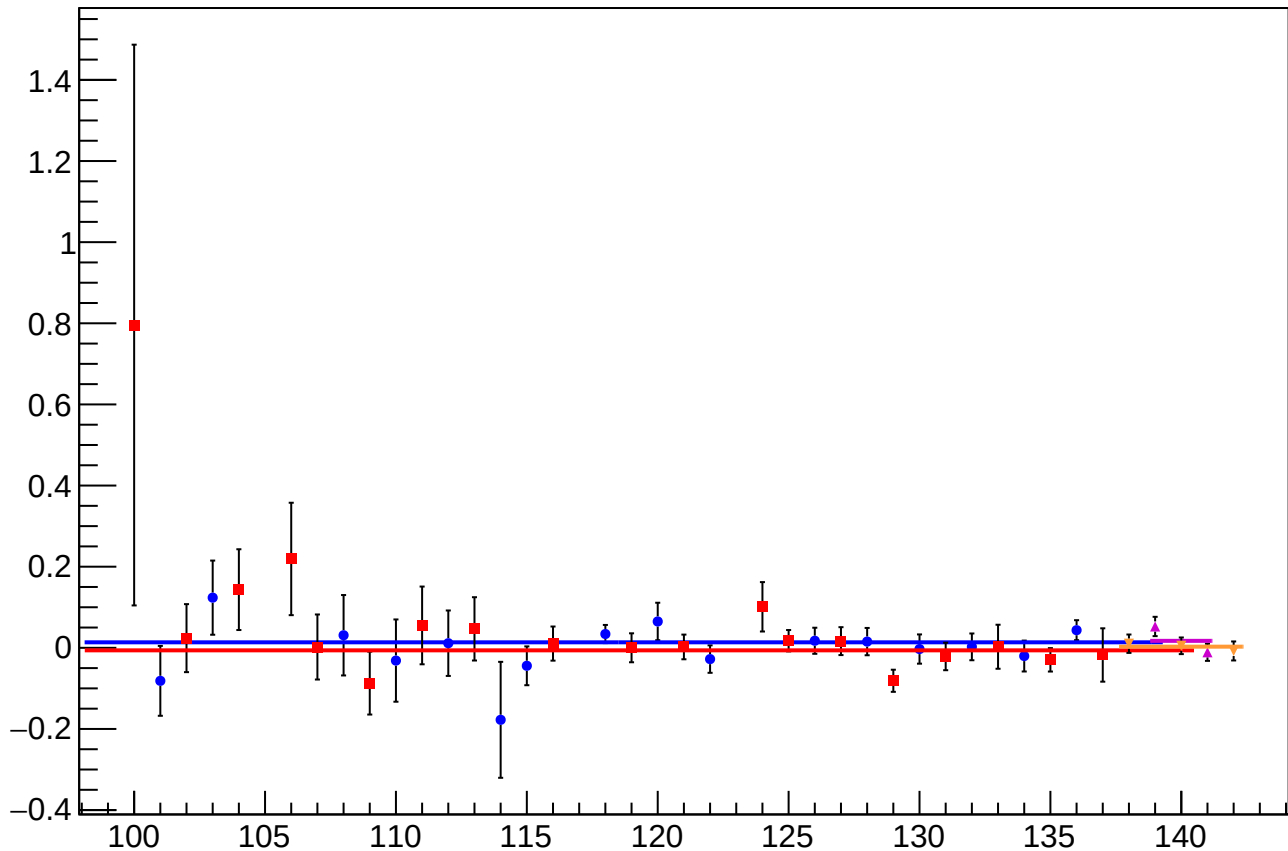
Left In: 20.611+/-0.011 χ^2/NDF : 7517.0/1

+ sign 21.151+/-0.006 χ^2/NDF : 2659470.2/18

All: 21.950+/-0.004 χ^2/NDF : 5670598.2/39

- sign 22.898+/-0.006 χ^2/NDF : 2965157.0/20

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: 0.003 ± 0.013 χ^2/NDF : 0.3/2

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/18

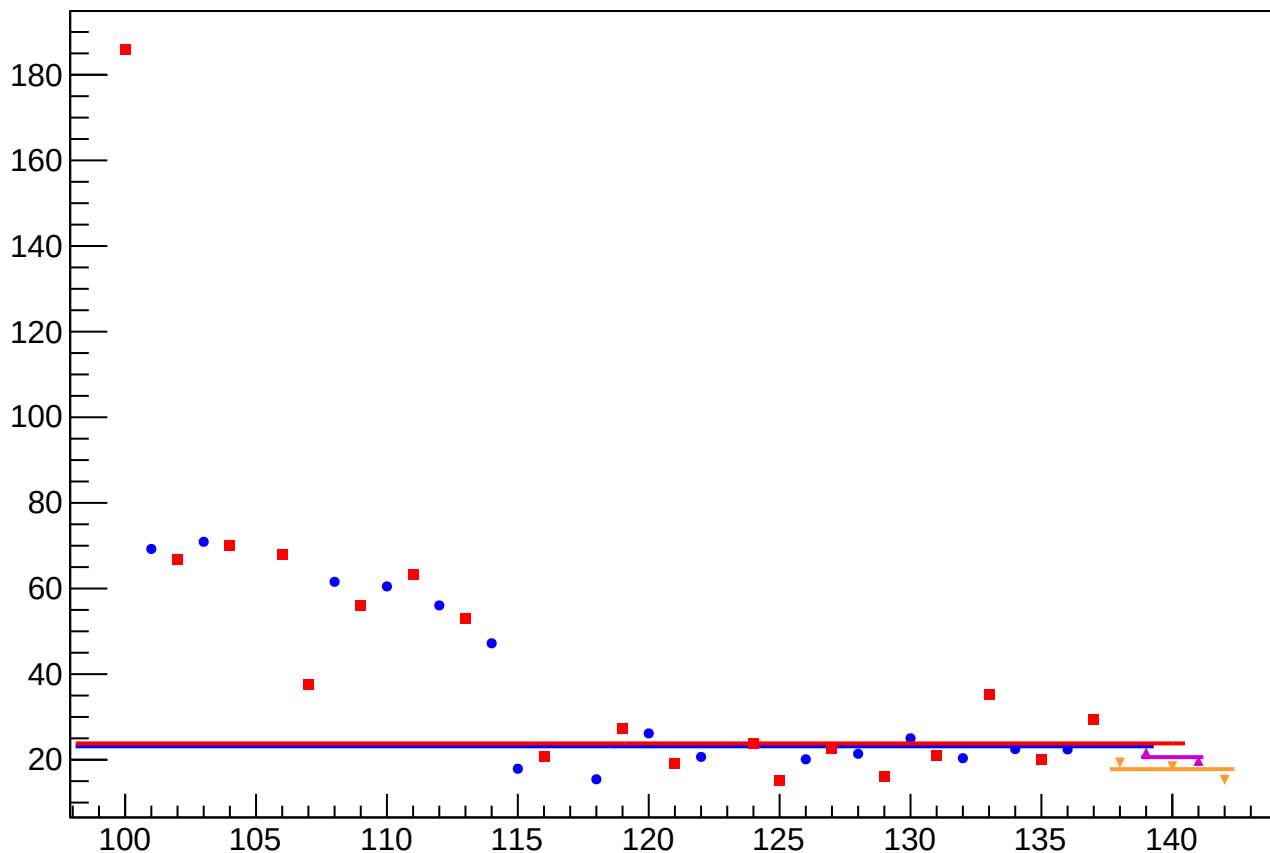
Left In: 0.017 ± 0.016 χ^2/NDF : 4.0/1

+ sign 0.010 ± 0.008 χ^2/NDF : 13.1/18

All: 0.005 ± 0.006 χ^2/NDF : 40.7/39

- sign 0.001 ± 0.008 χ^2/NDF : 27.0/20

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: 17.806+/-0.009 χ^2/NDF : 33427.4/2

Right Out: 23.825+/-0.007 χ^2/NDF : 2898916.7/18

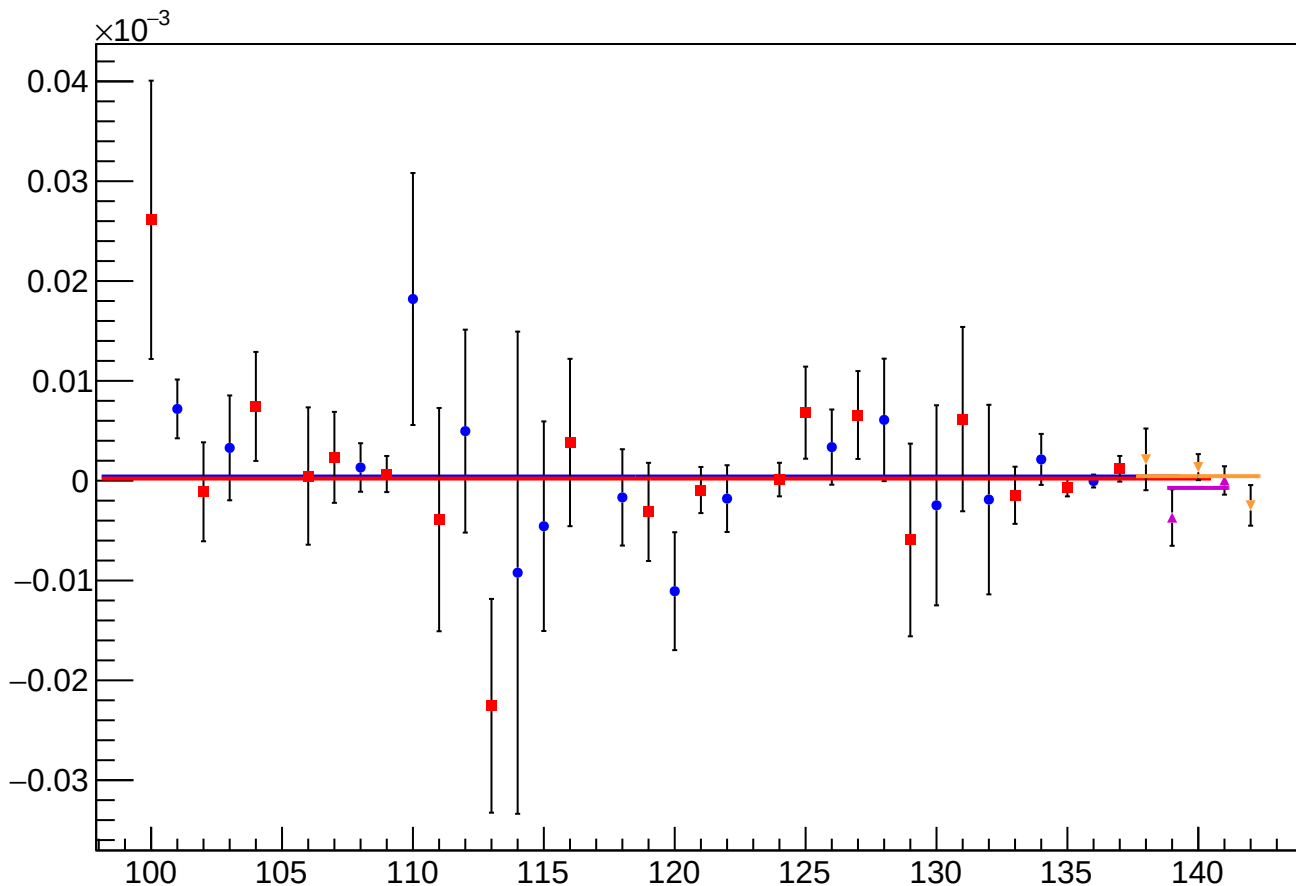
Left In: 20.611+/-0.011 χ^2/NDF : 7517.0/1

+ sign 21.151+/-0.006 χ^2/NDF : 2659470.2/18

All: 21.950+/-0.004 χ^2/NDF : 5670598.2/39

- sign 22.898+/-0.006 χ^2/NDF : 2965157.0/20

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: 2.8/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/18

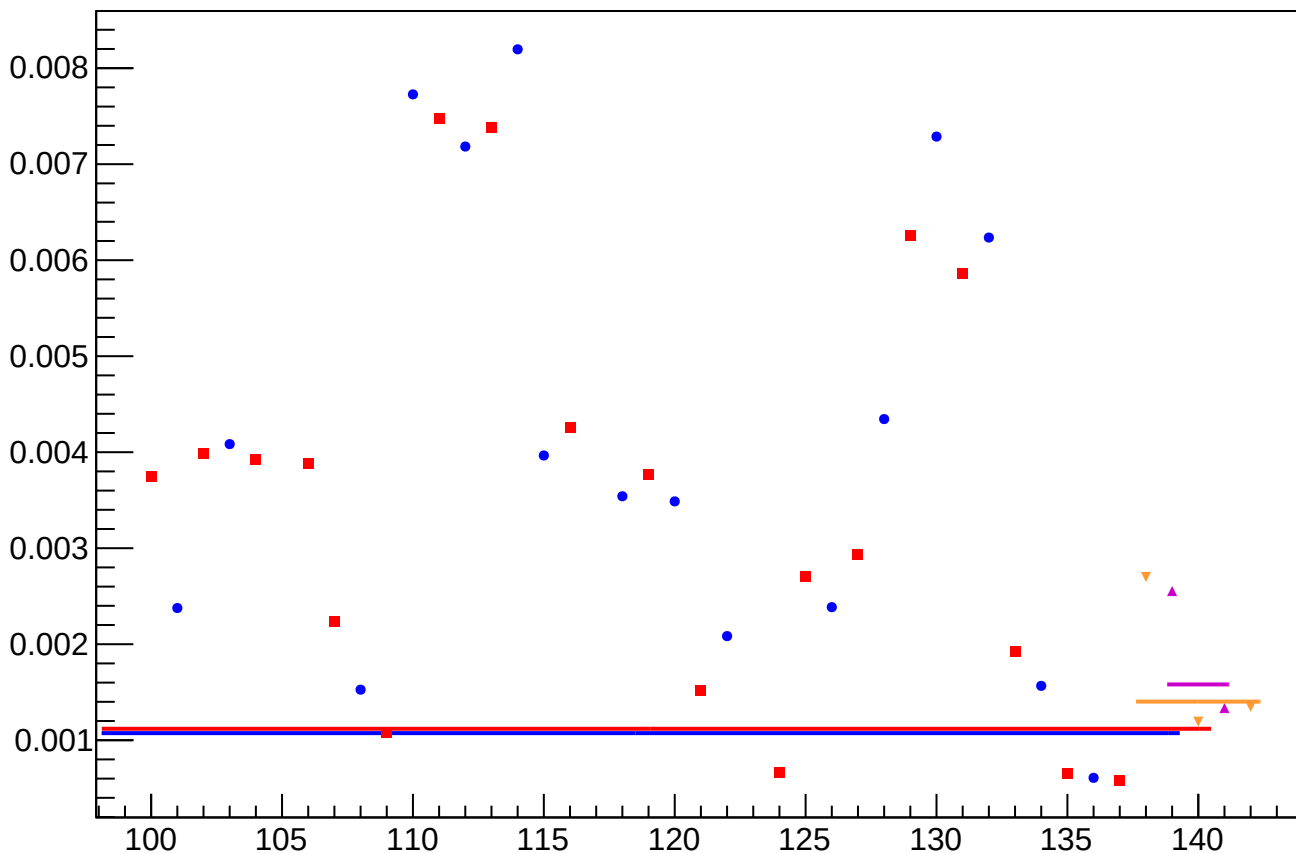
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38.1/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/20

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 : 406340.2/2

Right Out: 0.001+/-0.000 χ^2/NDF : 6796343.2/18

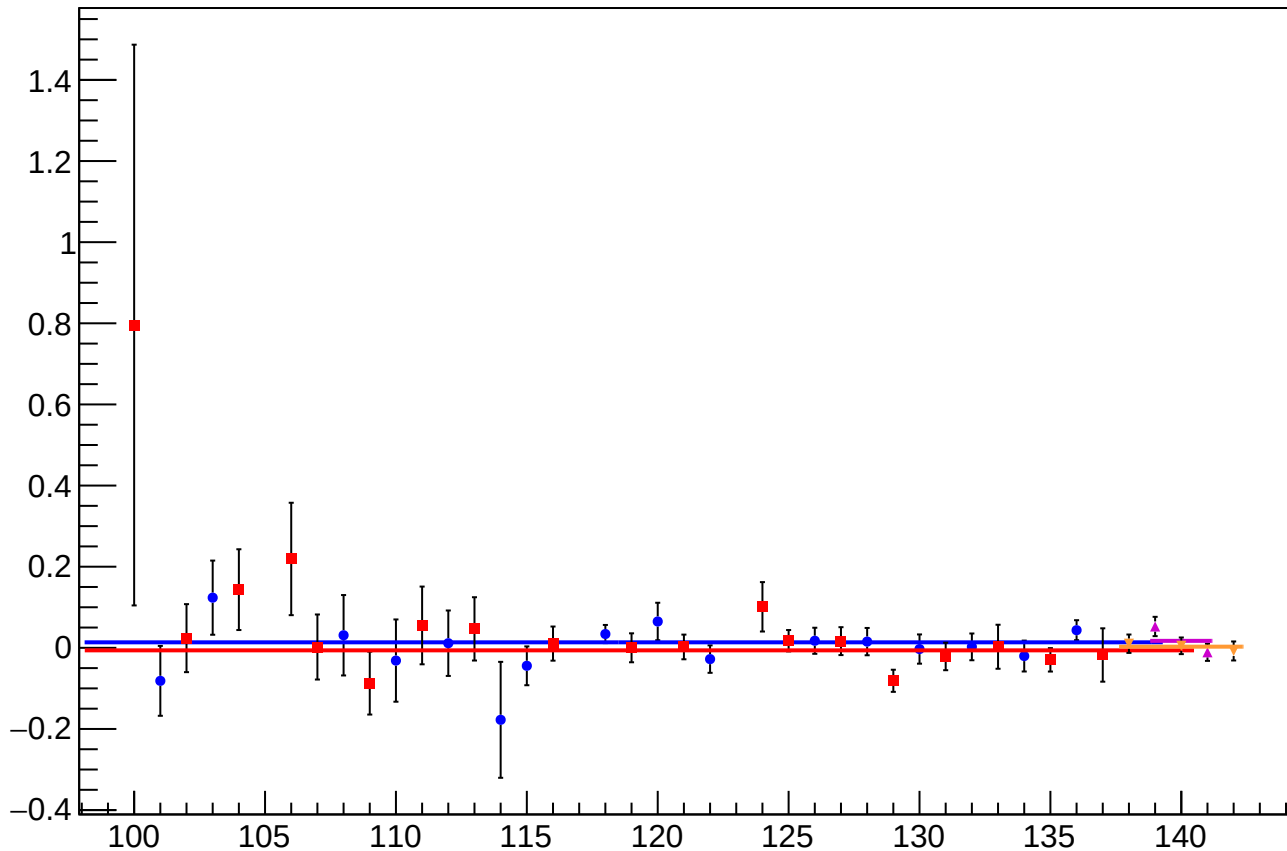
Left In: 0.002+/-0.000 χ^2/NDF : 296280.1/1

+ sign 0.001+/-0.000 χ^2/NDF : 7607330.3/18

All: 0.001+/-0.000 χ^2/NDF : 14929005.9/39

- sign 0.001+/-0.000 χ^2/NDF : 7312725.8/20

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: 0.003 $\pm$ 0.013 χ^2 /NDF: 0.3/2

Right Out: -0.006 $\pm$ 0.010 χ^2 /NDF: 21.5/18

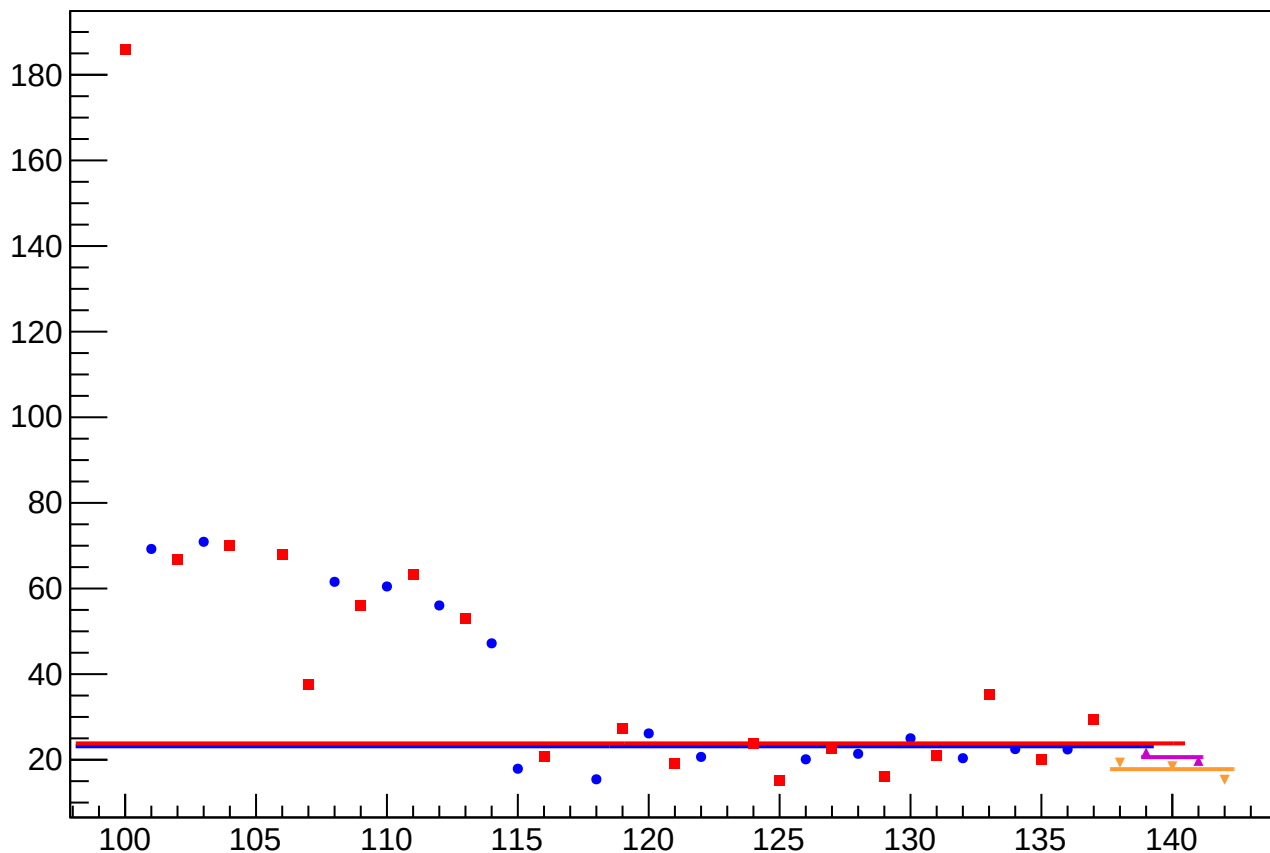
Left In: 0.017 $\pm$ 0.016 χ^2 /NDF: 4.0/1

+ sign 0.010 $\pm$ 0.008 χ^2 /NDF: 13.1/18

All: 0.005 $\pm$ 0.006 χ^2 /NDF: 40.7/39

- sign 0.001 $\pm$ 0.008 χ^2 /NDF: 27.0/20

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.144+/-0.007 χ^2/NDF : 2406451.1/15

Left Out: 17.807+/-0.009 χ^2/NDF : 33422.1/2

Right Out: 23.824+/-0.007 χ^2/NDF : 2898863.9/18

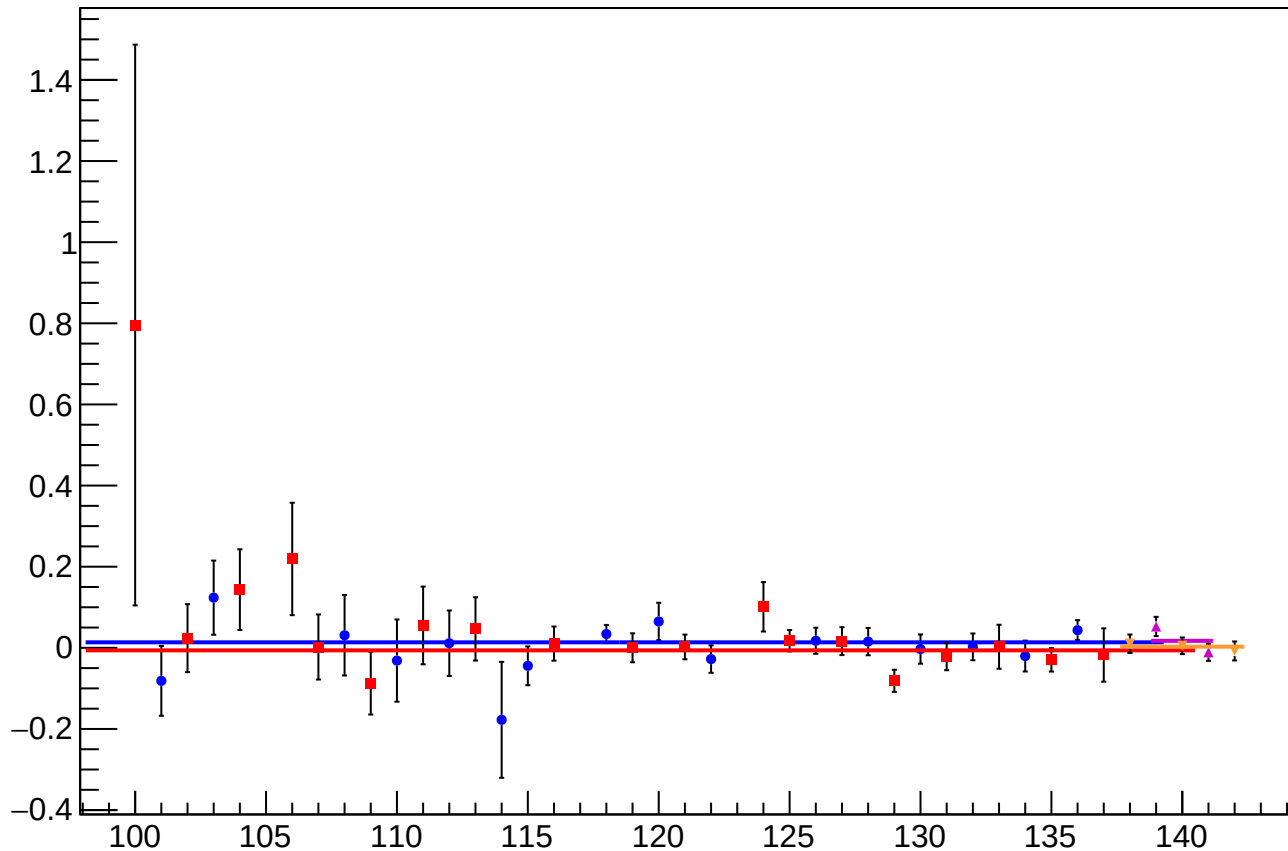
Left In: 20.612+/-0.011 χ^2/NDF : 7505.5/1

+ sign 21.150+/-0.006 χ^2/NDF : 2659340.1/18

All: 21.949+/-0.004 χ^2/NDF : 5670380.6/39

- sign 22.898+/-0.006 χ^2/NDF : 2965061.5/20

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: 0.003 ± 0.013 χ^2/NDF : 0.3/2

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/18

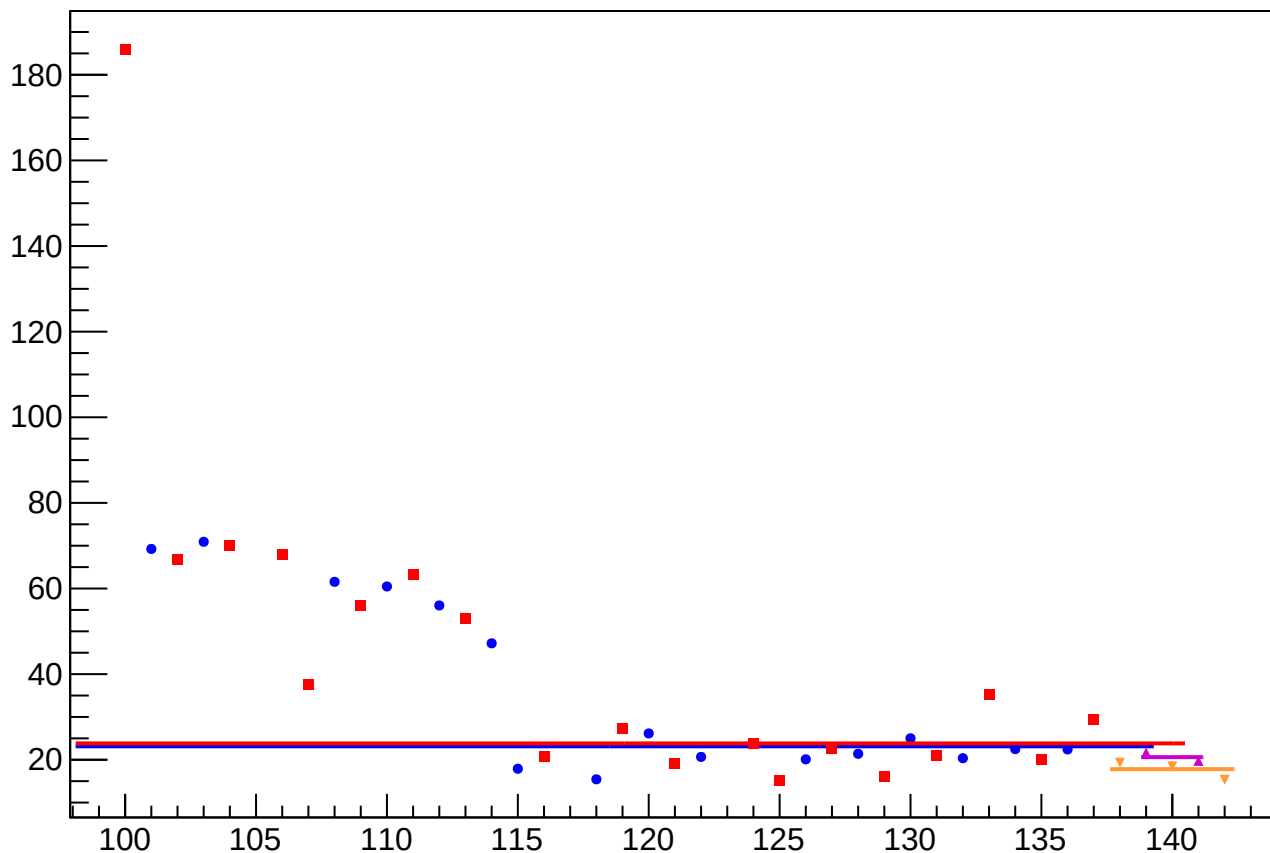
Left In: 0.017 ± 0.016 χ^2/NDF : 4.0/1

+ sign 0.010 ± 0.008 χ^2/NDF : 13.1/18

All: 0.005 ± 0.006 χ^2/NDF : 40.7/39

- sign 0.001 ± 0.008 χ^2/NDF : 27.0/20

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: 17.807 $\pm$ 0.009 χ^2 /NDF: 33422.1/2

Right Out: 23.824 $\pm$ 0.007 χ^2 /NDF: 2898863.9/18

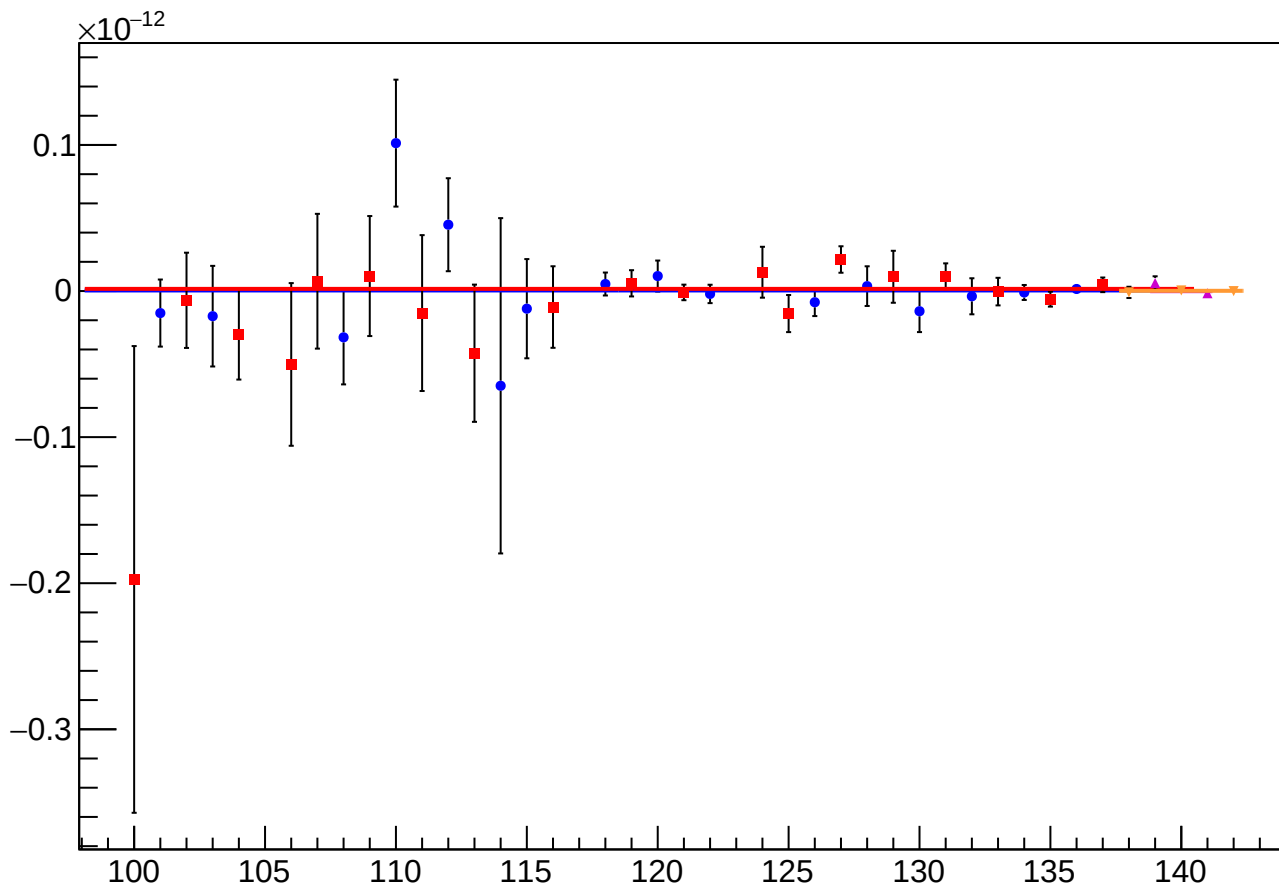
Left In: 20.612 $\pm$ 0.011 χ^2 /NDF: 7505.5/1

+ sign 21.150 $\pm$ 0.006 χ^2 /NDF: 2659340.1/18

All: 21.949 $\pm$ 0.004 χ^2 /NDF: 5670380.6/39

- sign 22.898 $\pm$ 0.006 χ^2 /NDF: 2965061.5/20

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: 0.1/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/18

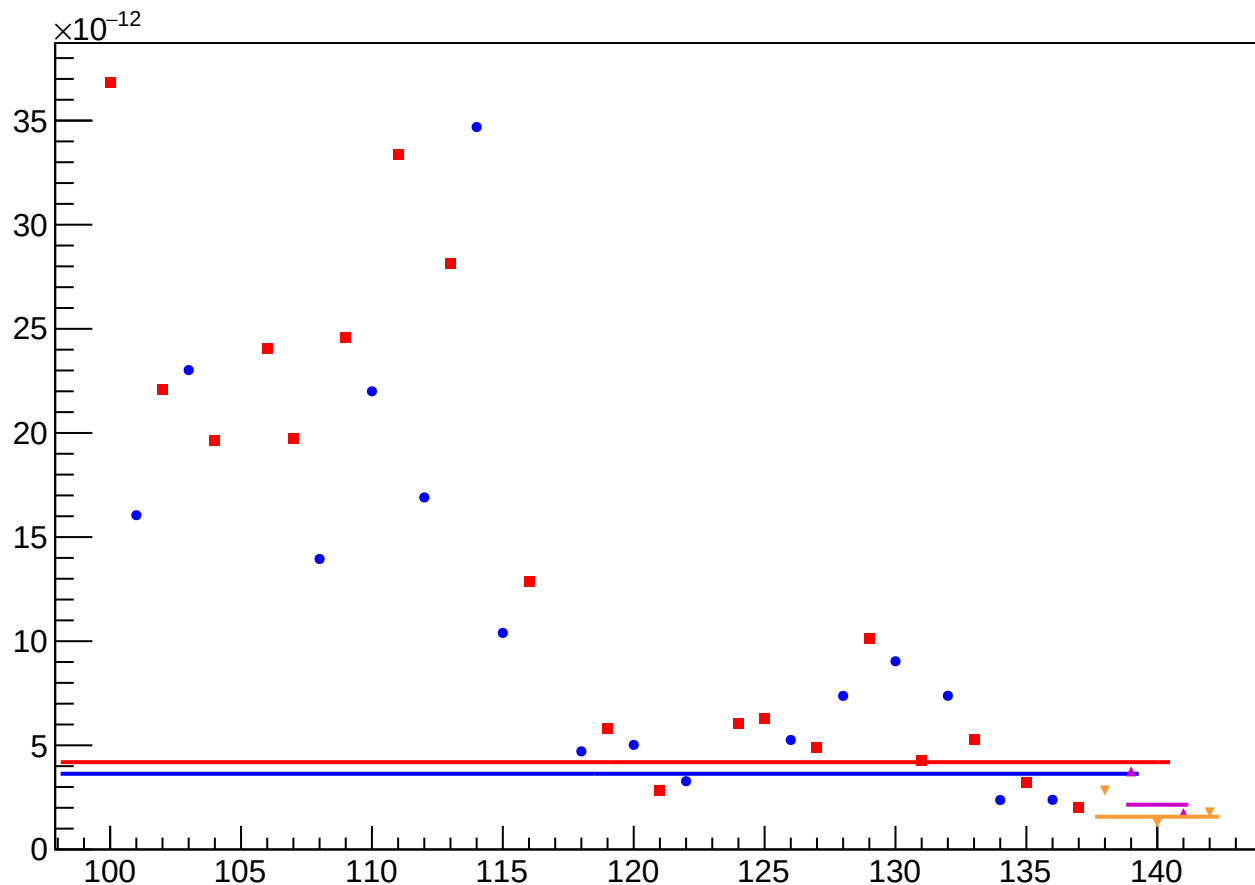
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.8/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/20

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3590314.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:278931.1/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4454808.3/18

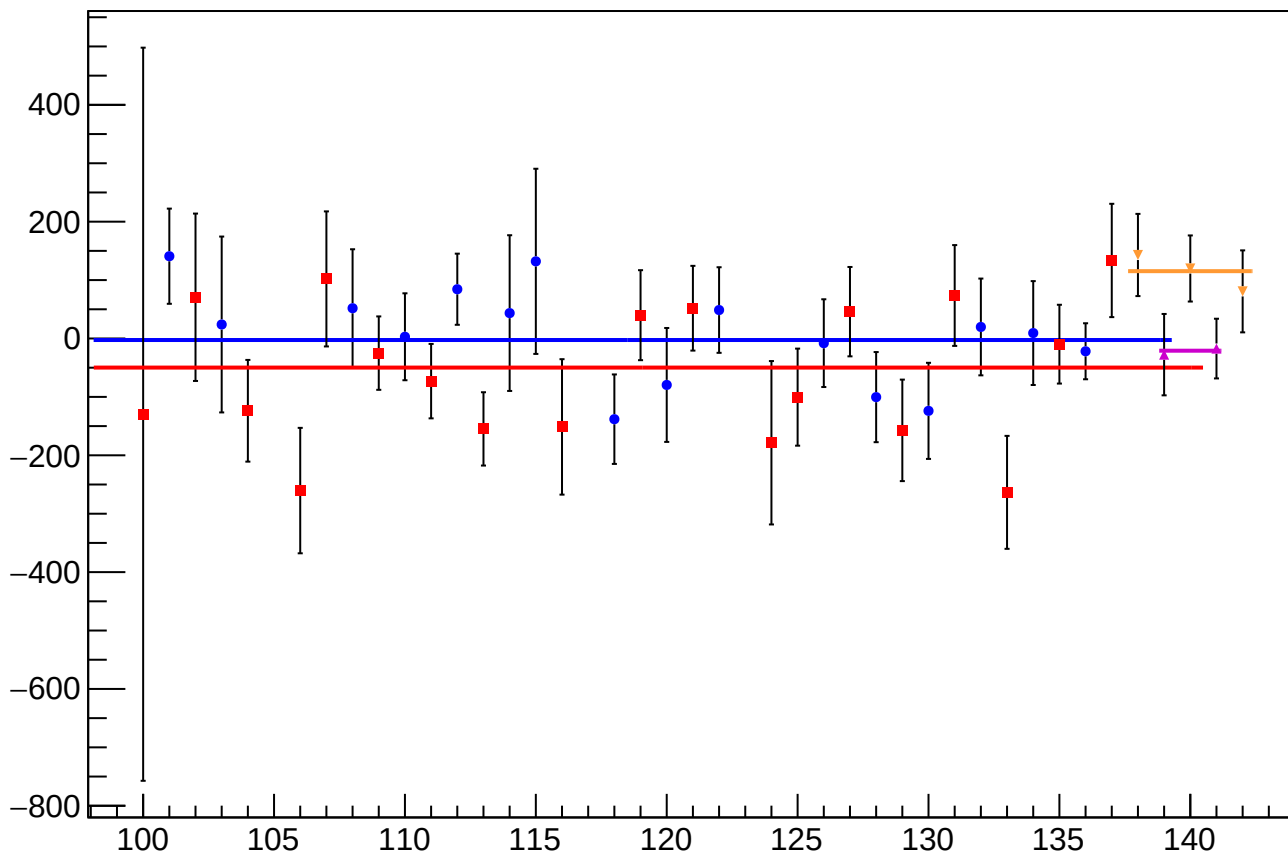
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:308072.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5235013.7/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11188974.3/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5623269.4/20

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614 ± 19.994 χ^2/NDF : 14.6/15

Left Out: 115.268 ± 37.337 χ^2/NDF : 0.4/2

Right Out: -49.810 ± 19.621 χ^2/NDF : 29.4/18

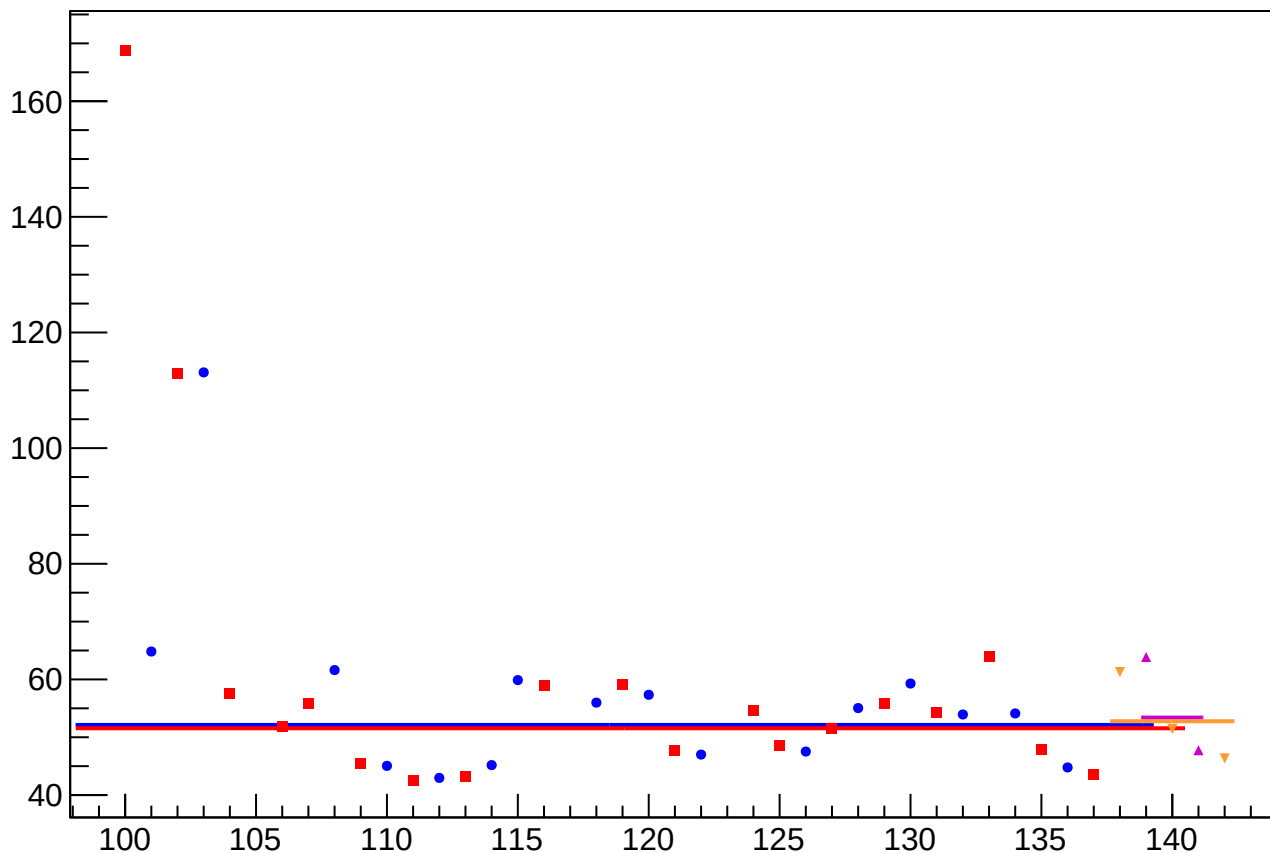
Left In: -20.909 ± 41.210 χ^2/NDF : 0.0/1

+ sign 23.657 ± 17.626 χ^2/NDF : 22.7/18

All: -10.233 ± 12.495 χ^2/NDF : 59.9/39

- sign -44.469 ± 17.716 χ^2/NDF : 29.8/20

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 $\pm$ 0.014 χ^2 /NDF: 562918.0/15

Left Out: 52.765 $\pm$ 0.026 χ^2 /NDF: 47079.4/2

Right Out: 51.550 $\pm$ 0.014 χ^2 /NDF: 639564.9/18

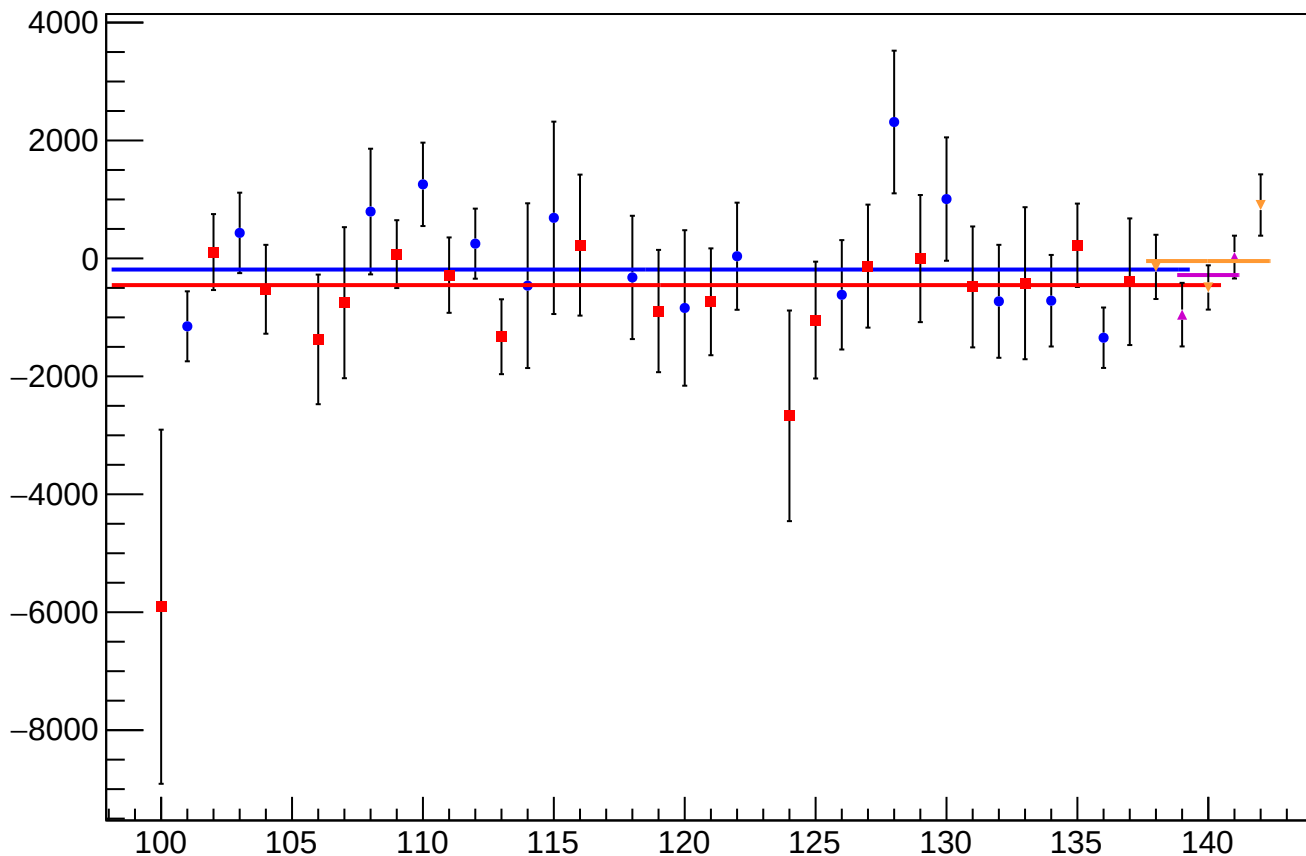
Left In: 53.398 $\pm$ 0.029 χ^2 /NDF: 69694.7/1

+ sign 52.270 $\pm$ 0.012 χ^2 /NDF: 610448.6/18

All: 52.082 $\pm$ 0.009 χ^2 /NDF: 1323446.1/39

- sign 51.891 $\pm$ 0.013 χ^2 /NDF: 712537.7/20

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563 ± 205.811 χ^2/NDF : 21.4/15

Left Out: -44.662 ± 265.711 χ^2/NDF : 4.8/2

Right Out: -452.540 ± 203.918 χ^2/NDF : 11.3/18

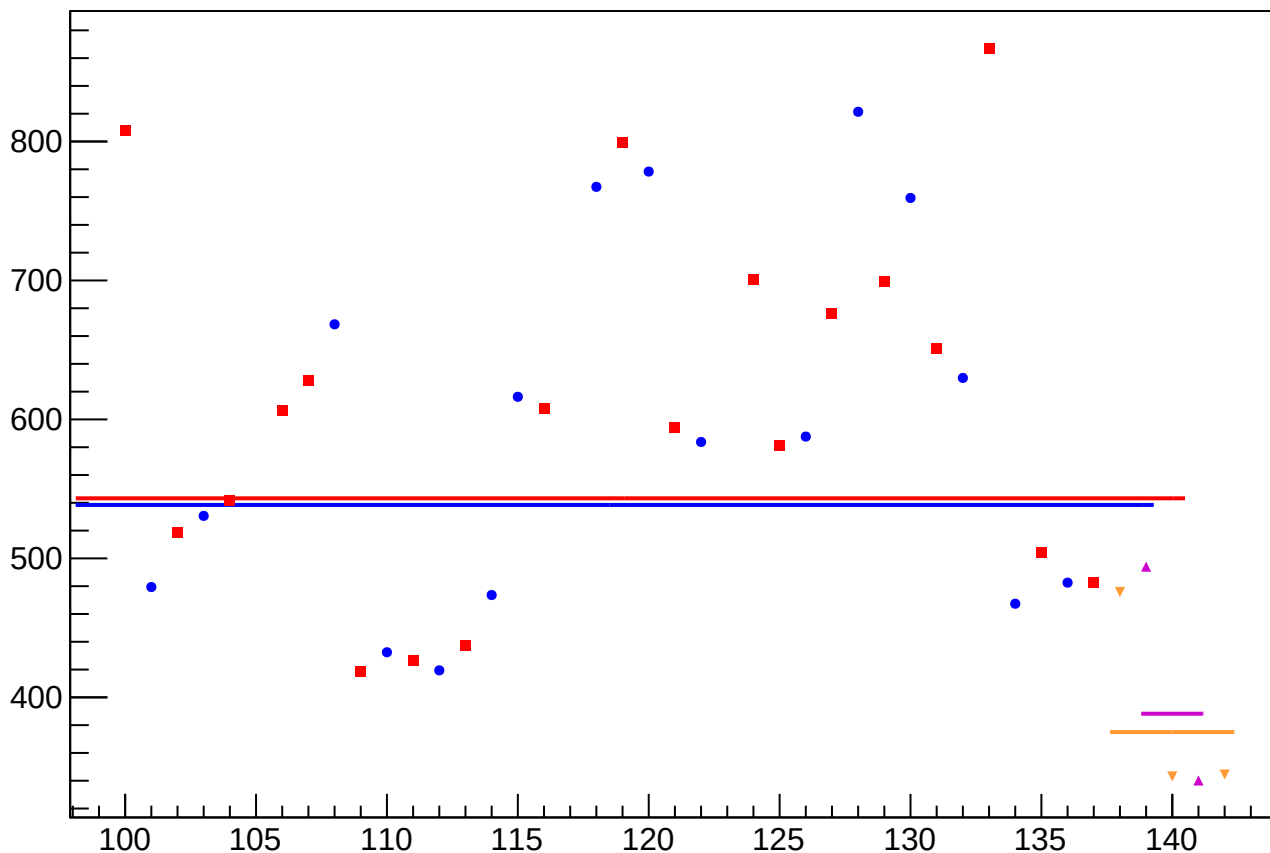
Left In: -281.980 ± 301.171 χ^2/NDF : 2.3/1

+ sign -134.603 ± 162.710 χ^2/NDF : 26.3/18

All: -261.869 ± 117.165 χ^2/NDF : 41.4/39

- sign -398.927 ± 168.854 χ^2/NDF : 13.8/20

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468 $\pm$ 0.146 χ^2 /NDF: 613995.2/15

Left Out: 375.021 $\pm$ 0.188 χ^2 /NDF: 89839.3/2

Right Out: 543.242 $\pm$ 0.144 χ^2 /NDF: 637115.5/18

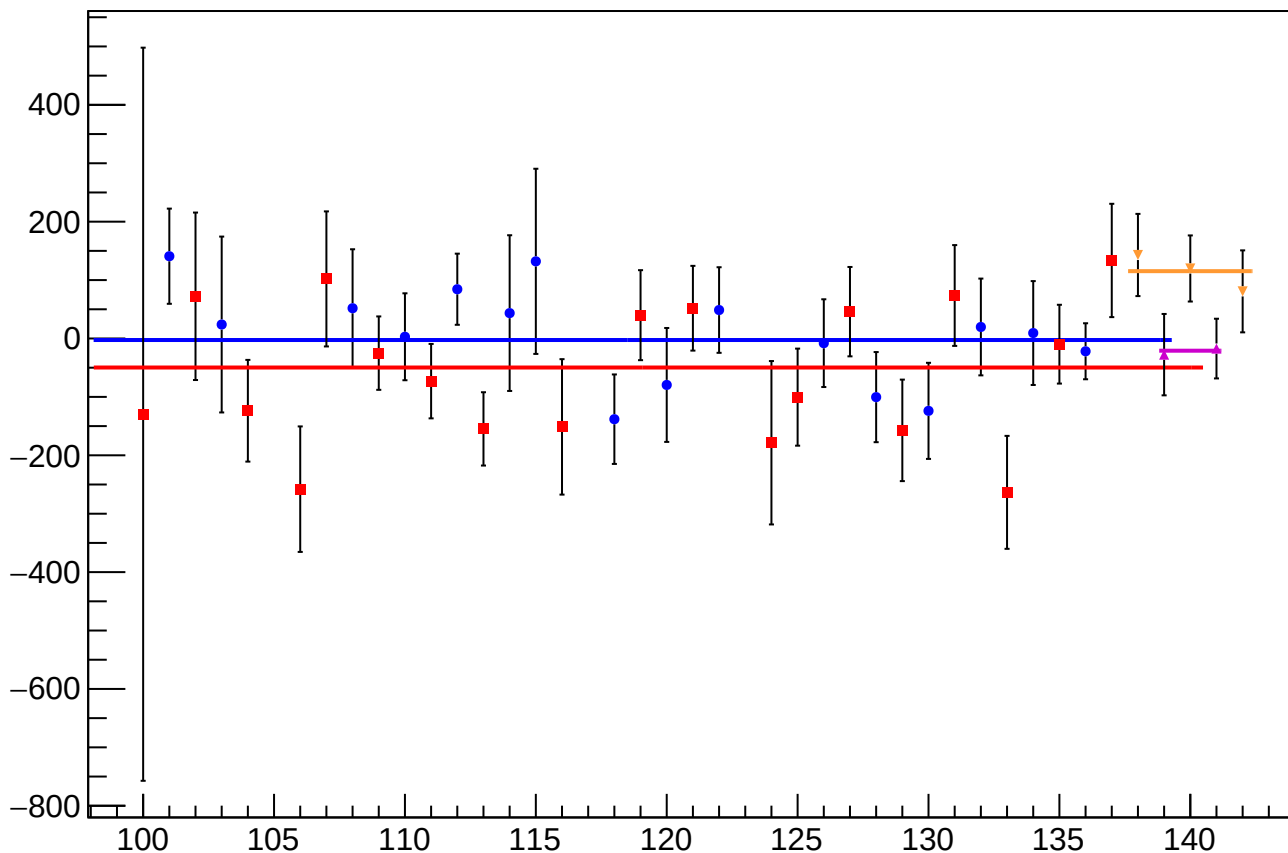
Left In: 388.241 $\pm$ 0.213 χ^2 /NDF: 112093.2/1

+ sign 477.178 $\pm$ 0.115 χ^2 /NDF: 1176829.0/18

All: 485.527 $\pm$ 0.083 χ^2 /NDF: 2300207.0/39

- sign 494.519 $\pm$ 0.119 χ^2 /NDF: 1112440.1/20

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618 ± 19.995 χ^2/NDF : 14.6/15

Left Out: 115.273 ± 37.337 χ^2/NDF : 0.4/2

Right Out: -49.694 ± 19.622 χ^2/NDF : 29.3/18

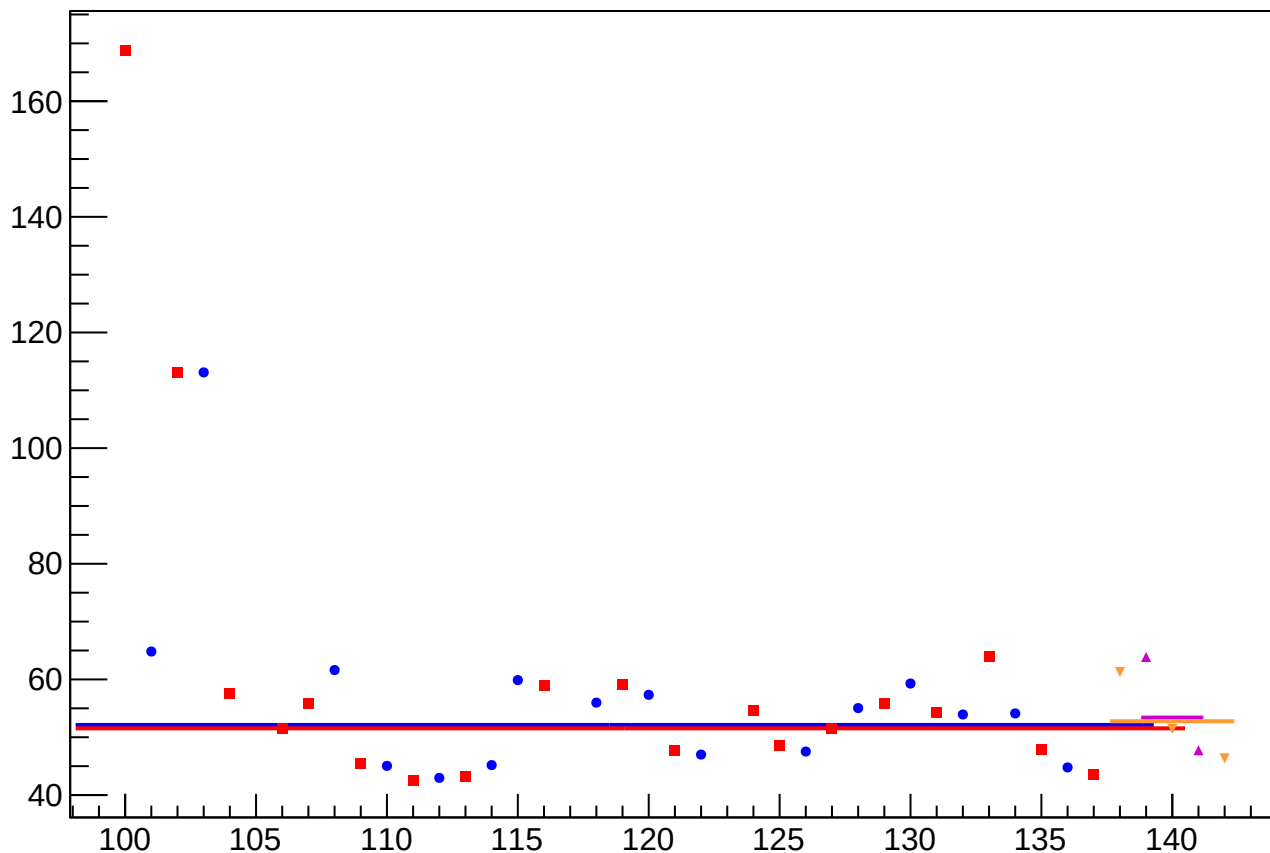
Left In: -20.914 ± 41.210 χ^2/NDF : 0.0/1

+ sign 23.655 ± 17.626 χ^2/NDF : 22.7/18

All: -10.187 ± 12.495 χ^2/NDF : 59.8/39

- sign -44.375 ± 17.716 χ^2/NDF : 29.7/20

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 $\pm$ 0.014 χ^2 /NDF: 562920.3/15

Left Out: 52.765 $\pm$ 0.026 χ^2 /NDF: 47079.4/2

Right Out: 51.540 $\pm$ 0.014 χ^2 /NDF: 639784.7/18

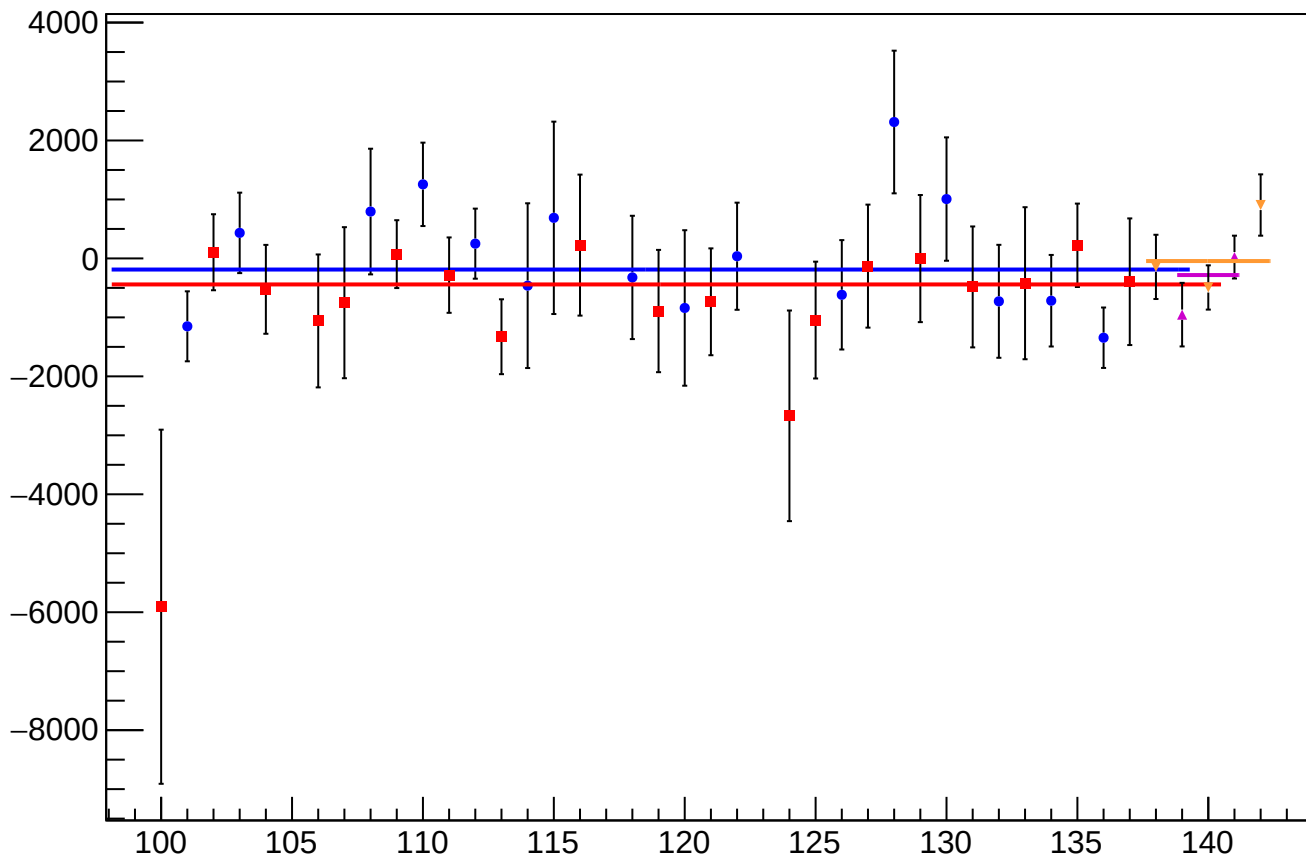
Left In: 53.398 $\pm$ 0.029 χ^2 /NDF: 69694.7/1

+ sign 52.270 $\pm$ 0.012 χ^2 /NDF: 610450.9/18

All: 52.078 $\pm$ 0.009 χ^2 /NDF: 1323725.3/39

- sign 51.883 $\pm$ 0.013 χ^2 /NDF: 712794.1/20

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541 ± 205.813 $\chi^2/\text{NDF}: 21.4/15$

Left Out: -44.654 ± 265.711 $\chi^2/\text{NDF}: 4.8/2$

Right Out: -441.171 ± 204.111 $\chi^2/\text{NDF}: 10.9/18$

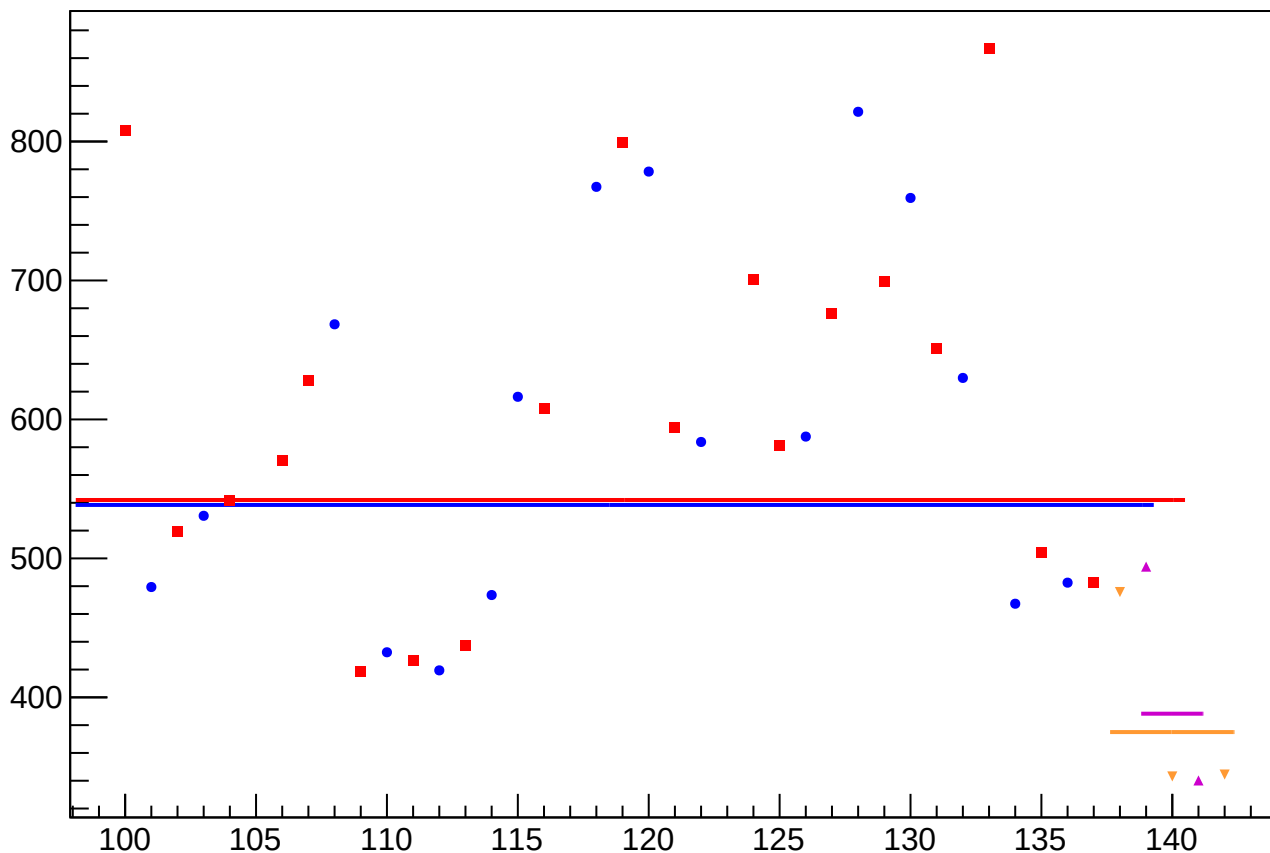
Left In: -281.992 ± 301.172 $\chi^2/\text{NDF}: 2.3/1$

+ sign -134.585 ± 162.711 $\chi^2/\text{NDF}: 26.3/18$

All: -257.995 ± 117.202 $\chi^2/\text{NDF}: 40.9/39$

- sign -391.071 ± 168.963 $\chi^2/\text{NDF}: 13.3/20$

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF : 613991.3/15

Left Out: 375.020+/-0.188 χ^2/NDF : 89839.5/2

Right Out: 542.025+/-0.144 χ^2/NDF : 631559.6/18

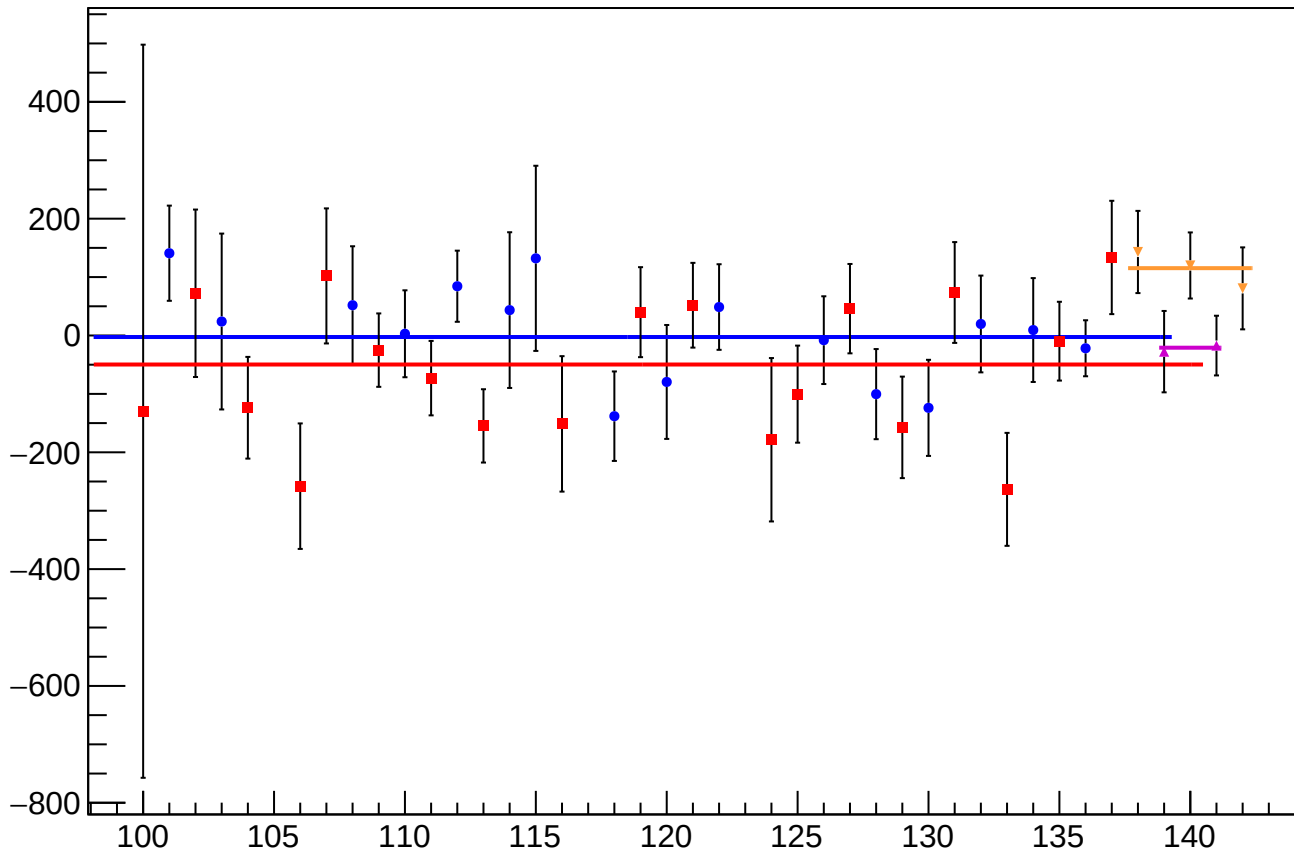
Left In: 388.241+/-0.213 χ^2/NDF : 112091.7/1

+ sign 477.180+/-0.115 χ^2/NDF : 1176856.6/18

All: 485.092+/-0.083 χ^2/NDF : 2287672.2/39

- sign 493.623+/-0.119 χ^2/NDF : 1100988.9/20

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618 ± 19.995 χ^2/NDF : 14.6/15

Left Out: 115.273 ± 37.337 χ^2/NDF : 0.4/2

Right Out: -49.694 ± 19.622 χ^2/NDF : 29.3/18

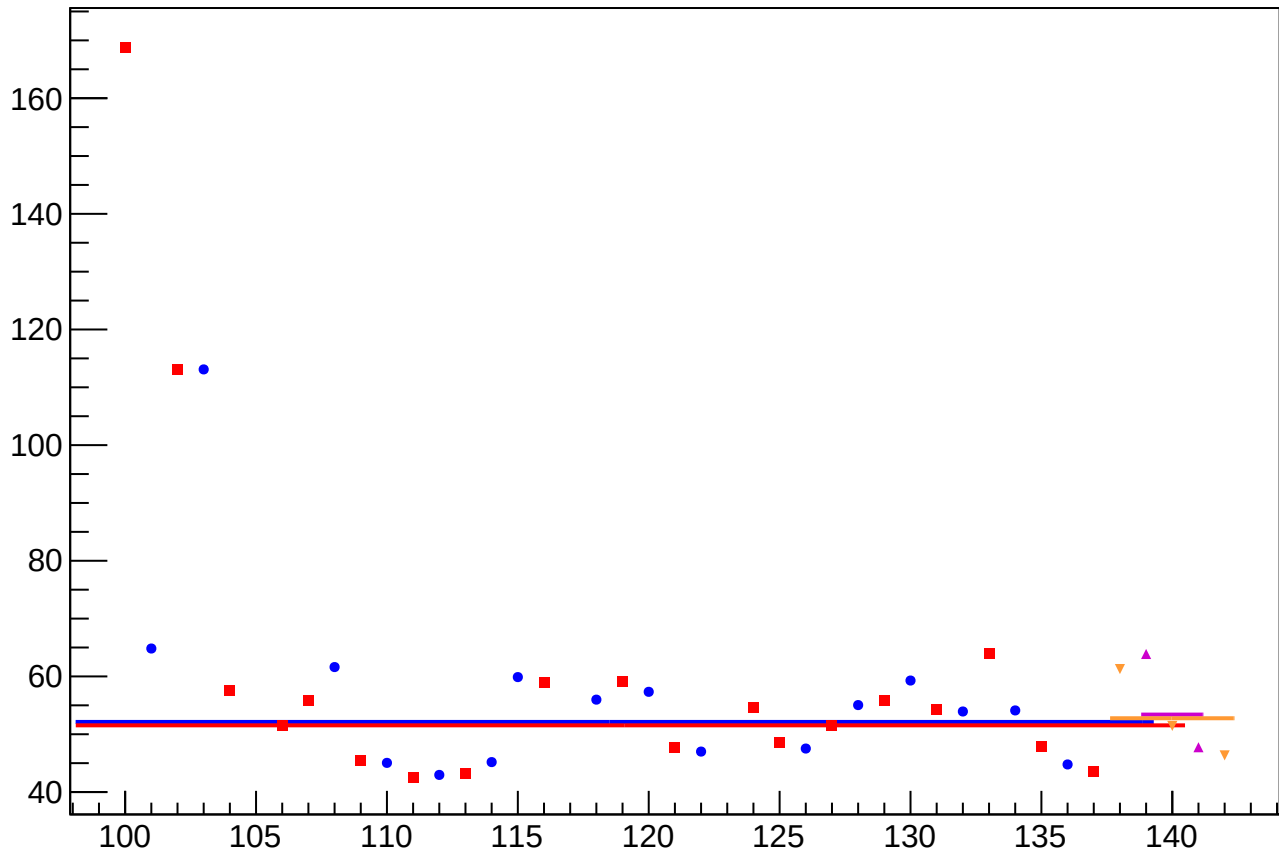
Left In: -20.914 ± 41.210 χ^2/NDF : 0.0/1

+ sign 23.655 ± 17.626 χ^2/NDF : 22.7/18

All: -10.187 ± 12.495 χ^2/NDF : 59.8/39

- sign -44.375 ± 17.716 χ^2/NDF : 29.7/20

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 $\pm$ 0.014 χ^2 /NDF: 562920.3/15

Left Out: 52.765 $\pm$ 0.026 χ^2 /NDF: 47079.4/2

Right Out: 51.540 $\pm$ 0.014 χ^2 /NDF: 639784.7/18

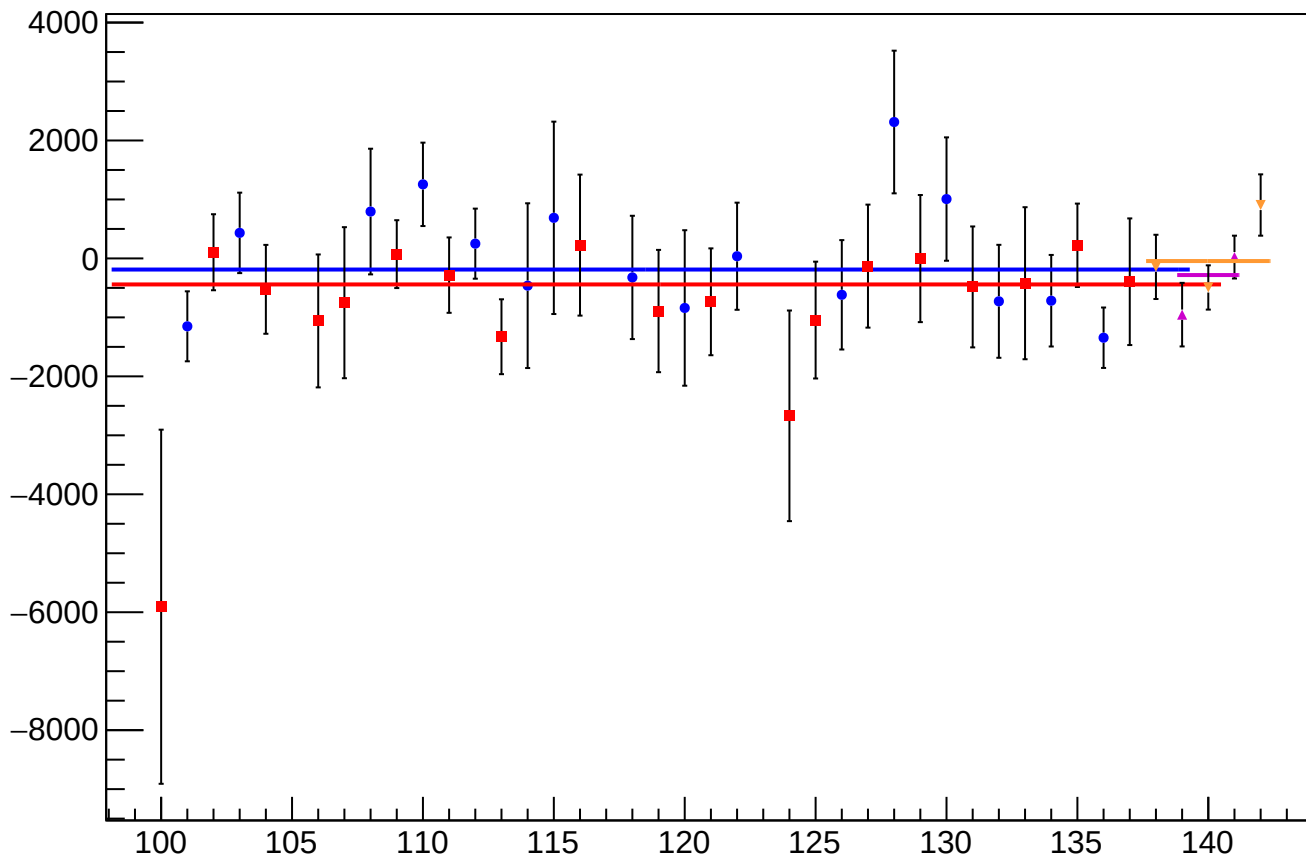
Left In: 53.398 $\pm$ 0.029 χ^2 /NDF: 69694.7/1

+ sign 52.270 $\pm$ 0.012 χ^2 /NDF: 610450.9/18

All: 52.078 $\pm$ 0.009 χ^2 /NDF: 1323725.3/39

- sign 51.883 $\pm$ 0.013 χ^2 /NDF: 712794.1/20

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug



Right In: -188.541 ± 205.813 χ^2/NDF : 21.4/15

Left Out: -44.654 ± 265.711 χ^2/NDF : 4.8/2

Right Out: -441.171 ± 204.111 χ^2/NDF : 10.9/18

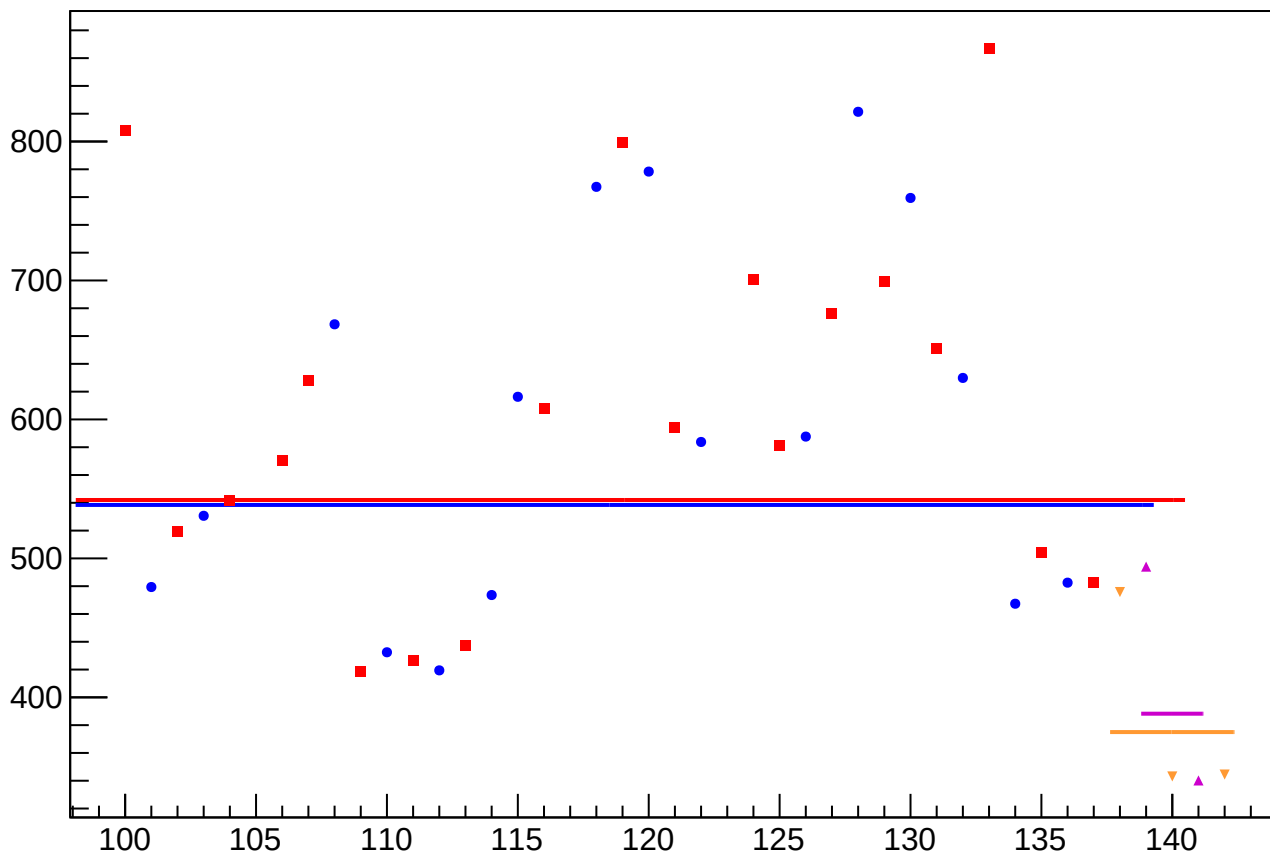
Left In: -281.992 ± 301.172 χ^2/NDF : 2.3/1

+ sign -134.585 ± 162.711 χ^2/NDF : 26.3/18

All: -257.995 ± 117.202 χ^2/NDF : 40.9/39

- sign -391.071 ± 168.963 χ^2/NDF : 13.3/20

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF : 613991.3/15

Left Out: 375.020+/-0.188 χ^2/NDF : 89839.5/2

Right Out: 542.025+/-0.144 χ^2/NDF : 631559.6/18

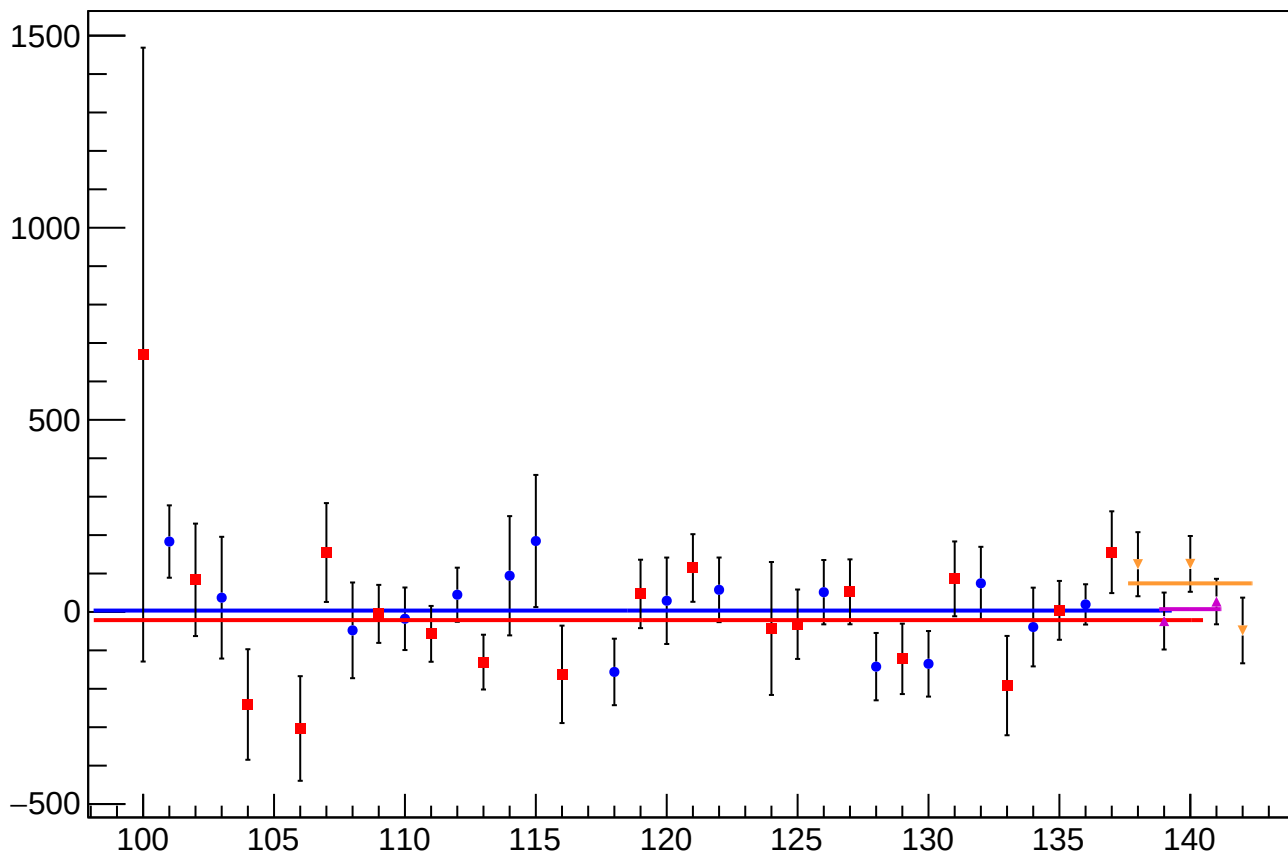
Left In: 388.241+/-0.213 χ^2/NDF : 112091.7/1

+ sign 477.180+/-0.115 χ^2/NDF : 1176856.6/18

All: 485.092+/-0.083 χ^2/NDF : 2287672.2/39

- sign 493.623+/-0.119 χ^2/NDF : 1100988.9/20

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597 ± 22.480 χ^2/NDF : 16.1/15

Left Out: 74.398 ± 46.109 χ^2/NDF : 2.9/2

Right Out: -21.253 ± 22.769 χ^2/NDF : 24.4/18

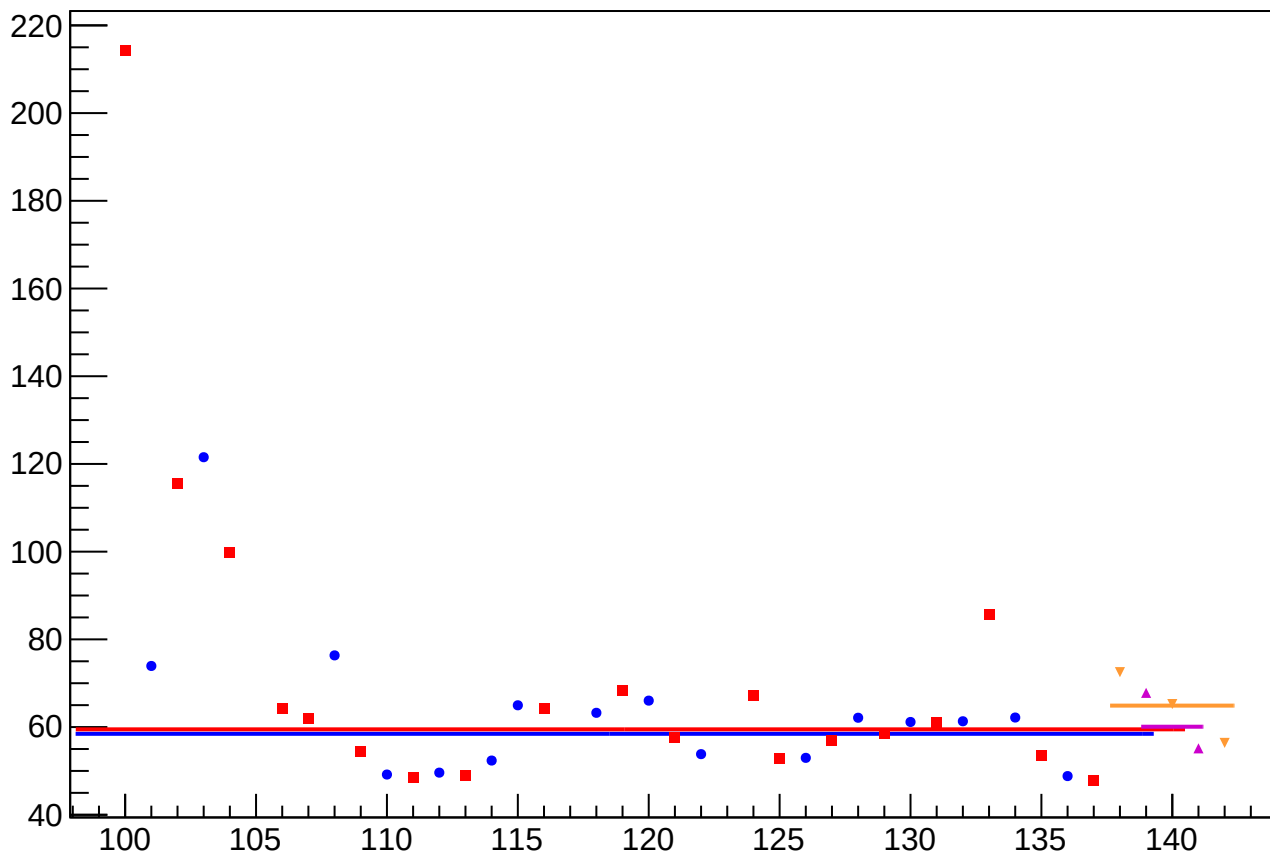
Left In: 7.299 ± 46.254 χ^2/NDF : 0.3/1

+ sign 17.194 ± 20.206 χ^2/NDF : 21.0/18

All: 0.934 ± 14.366 χ^2/NDF : 47.3/39

- sign -15.684 ± 20.428 χ^2/NDF : 25.0/20

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465 $\pm$ 0.016 χ^2 /NDF: 582984.2/15

Left Out: 64.894 $\pm$ 0.033 χ^2 /NDF: 36576.2/2

Right Out: 59.484 $\pm$ 0.016 χ^2 /NDF: 784880.1/18

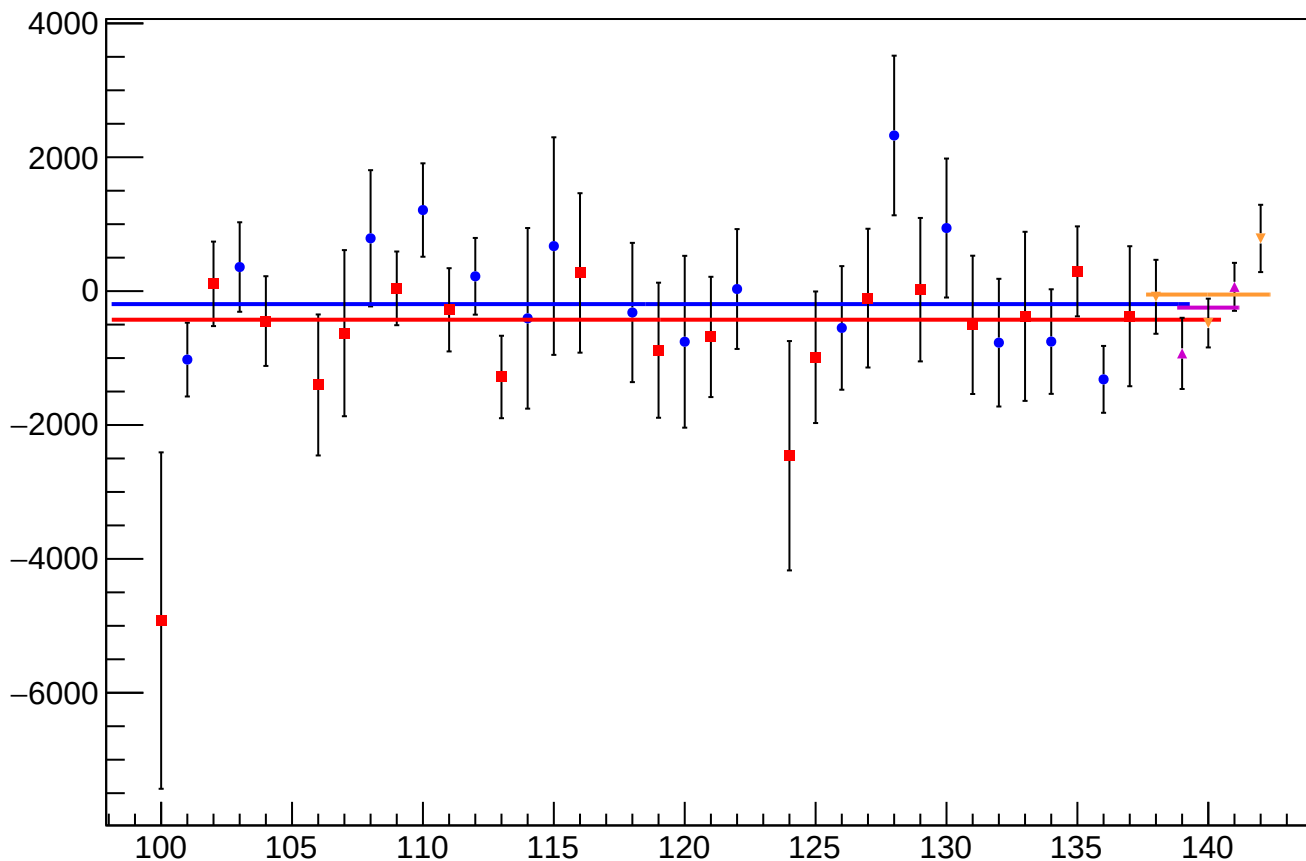
Left In: 60.082 $\pm$ 0.033 χ^2 /NDF: 35587.3/1

+ sign 59.700 $\pm$ 0.014 χ^2 /NDF: 650972.9/18

All: 59.651 $\pm$ 0.010 χ^2 /NDF: 1471733.1/39

- sign 59.601 $\pm$ 0.014 χ^2 /NDF: 820736.3/20

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899 ± 200.604 χ^2/NDF : 20.8/15

Left Out: -51.184 ± 260.214 χ^2/NDF : 4.1/2

Right Out: -426.977 ± 197.005 χ^2/NDF : 11.3/18

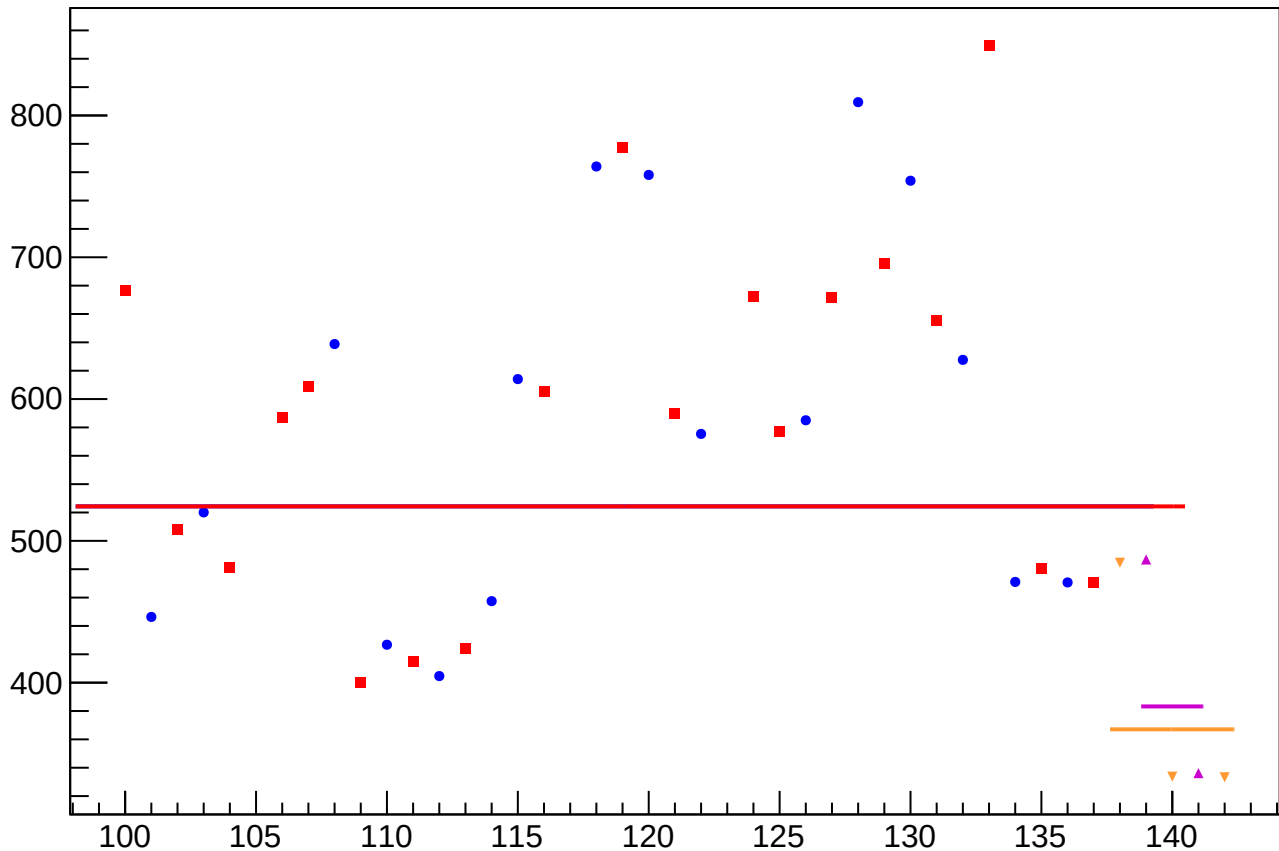
Left In: -246.420 ± 297.132 χ^2/NDF : 2.4/1

+ sign -140.699 ± 158.874 χ^2/NDF : 25.1/18

All: -252.465 ± 114.175 χ^2/NDF : 40.1/39

- sign -371.841 ± 164.194 χ^2/NDF : 14.0/20

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF : 658488.5/15

Left Out: 367.066+/-0.184 χ^2/NDF : 116342.6/2

Right Out: 524.306+/-0.139 χ^2/NDF : 686061.2/18

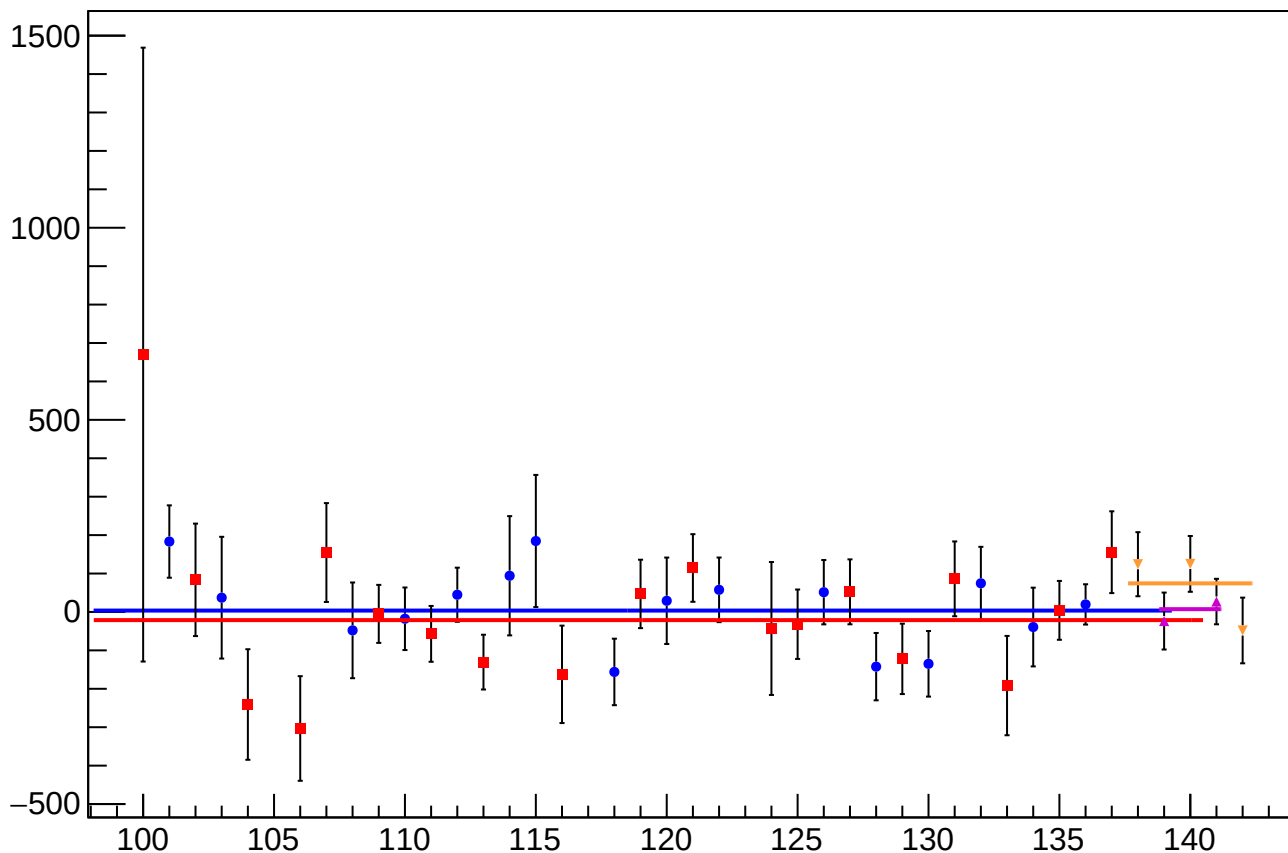
Left In: 383.236+/-0.210 χ^2/NDF : 110429.7/1

+ sign 465.704+/-0.112 χ^2/NDF : 1233007.3/18

All: 473.211+/-0.081 χ^2/NDF : 2351889.1/39

- sign 481.229+/-0.116 χ^2/NDF : 1109647.5/20

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597 ± 22.480 χ^2/NDF : 16.1/15

Left Out: 74.398 ± 46.109 χ^2/NDF : 2.9/2

Right Out: -21.251 ± 22.769 χ^2/NDF : 24.4/18

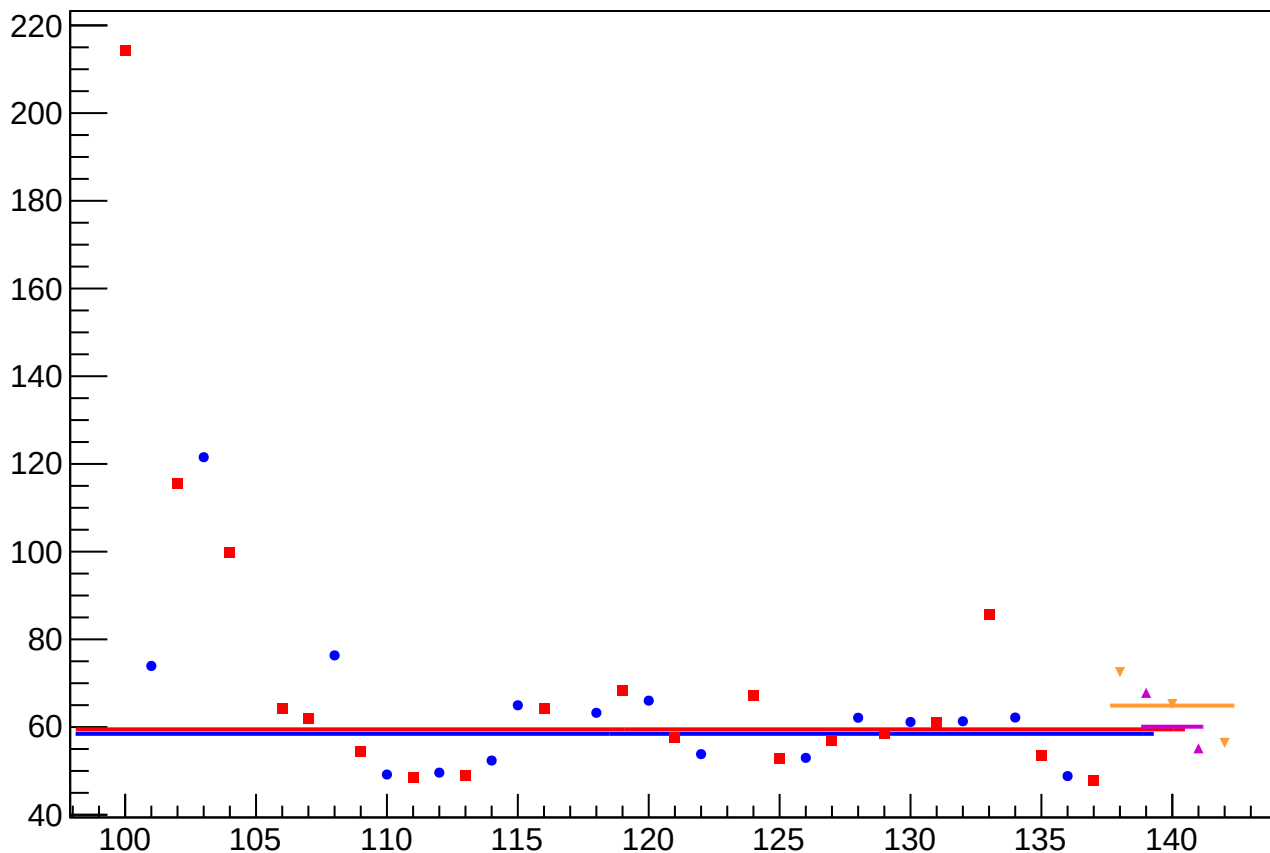
Left In: 7.298 ± 46.254 χ^2/NDF : 0.3/1

+ sign 17.194 ± 20.206 χ^2/NDF : 21.0/18

All: 0.935 ± 14.366 χ^2/NDF : 47.3/39

- sign -15.683 ± 20.428 χ^2/NDF : 25.0/20

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466 $\pm$ 0.016 χ^2 /NDF: 582980.6/15

Left Out: 64.894 $\pm$ 0.033 χ^2 /NDF: 36575.7/2

Right Out: 59.484 $\pm$ 0.016 χ^2 /NDF: 784880.2/18

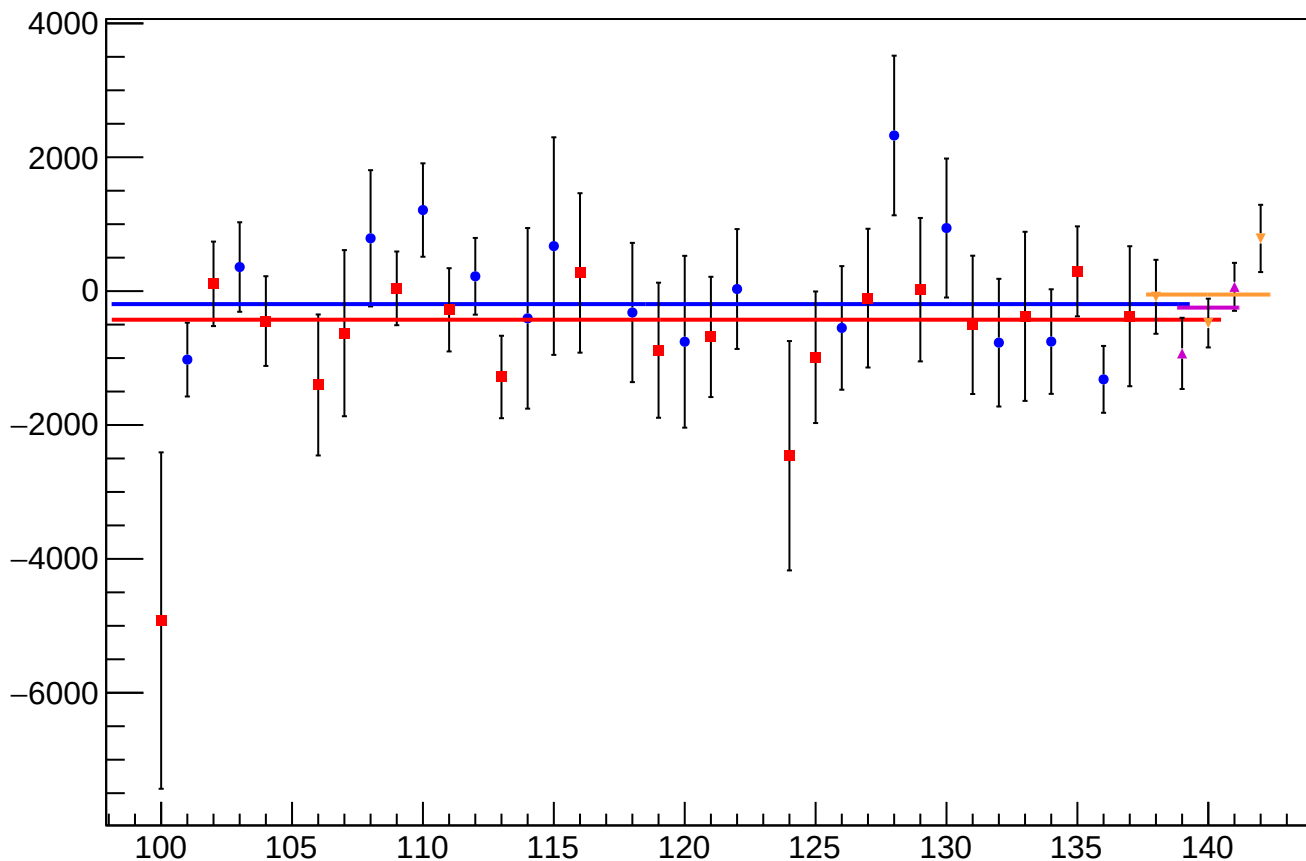
Left In: 60.082 $\pm$ 0.033 χ^2 /NDF: 35585.8/1

+ sign 59.700 $\pm$ 0.014 χ^2 /NDF: 650970.1/18

All: 59.651 $\pm$ 0.010 χ^2 /NDF: 1471729.0/39

- sign 59.601 $\pm$ 0.014 χ^2 /NDF: 820735.0/20

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -193.899 ± 200.603 χ^2/NDF : 20.8/15

Left Out: -51.185 ± 260.214 χ^2/NDF : 4.1/2

Right Out: -426.976 ± 197.005 χ^2/NDF : 11.3/18

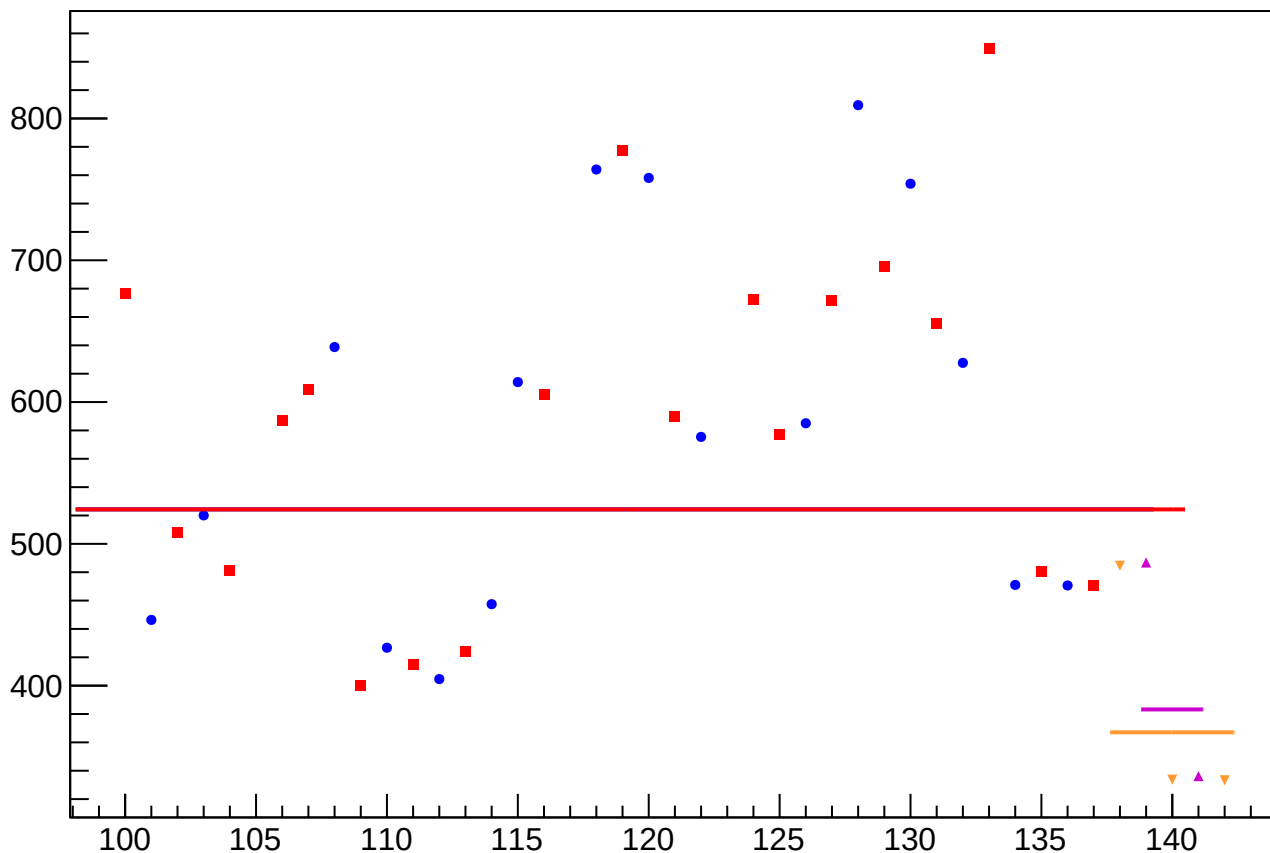
Left In: -246.420 ± 297.132 χ^2/NDF : 2.4/1

+ sign -140.699 ± 158.874 χ^2/NDF : 25.1/18

All: -252.465 ± 114.175 χ^2/NDF : 40.1/39

- sign -371.841 ± 164.194 χ^2/NDF : 14.0/20

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 524.325+/-0.142 χ^2/NDF : 658493.8/15

Left Out: 367.066+/-0.184 χ^2/NDF : 116343.5/2

Right Out: 524.305+/-0.139 χ^2/NDF : 686063.6/18

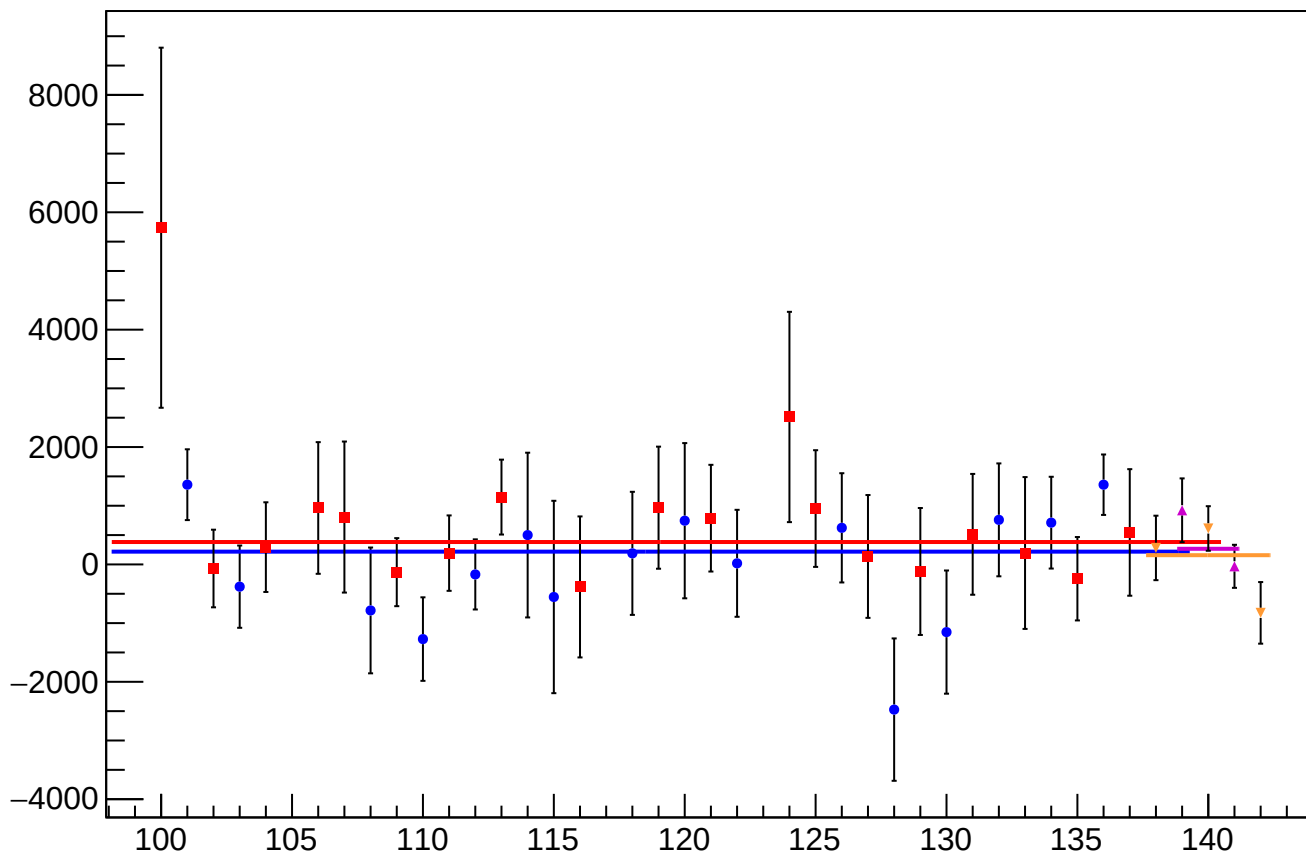
Left In: 383.236+/-0.210 χ^2/NDF : 110430.0/1

+ sign 465.704+/-0.112 χ^2/NDF : 1233006.1/18

All: 473.211+/-0.081 χ^2/NDF : 2351885.4/39

- sign 481.228+/-0.116 χ^2/NDF : 1109645.3/20

asym_sam_1357_avg_mean vs Slug



Right In: 217.756 $\pm$ 207.492 χ^2 /NDF: 22.9/15

Left Out: 157.306 $\pm$ 268.423 χ^2 /NDF:5.0/2

Right Out: 381.836 $\pm$ 205.585 χ^2 /NDF: 10.0/18

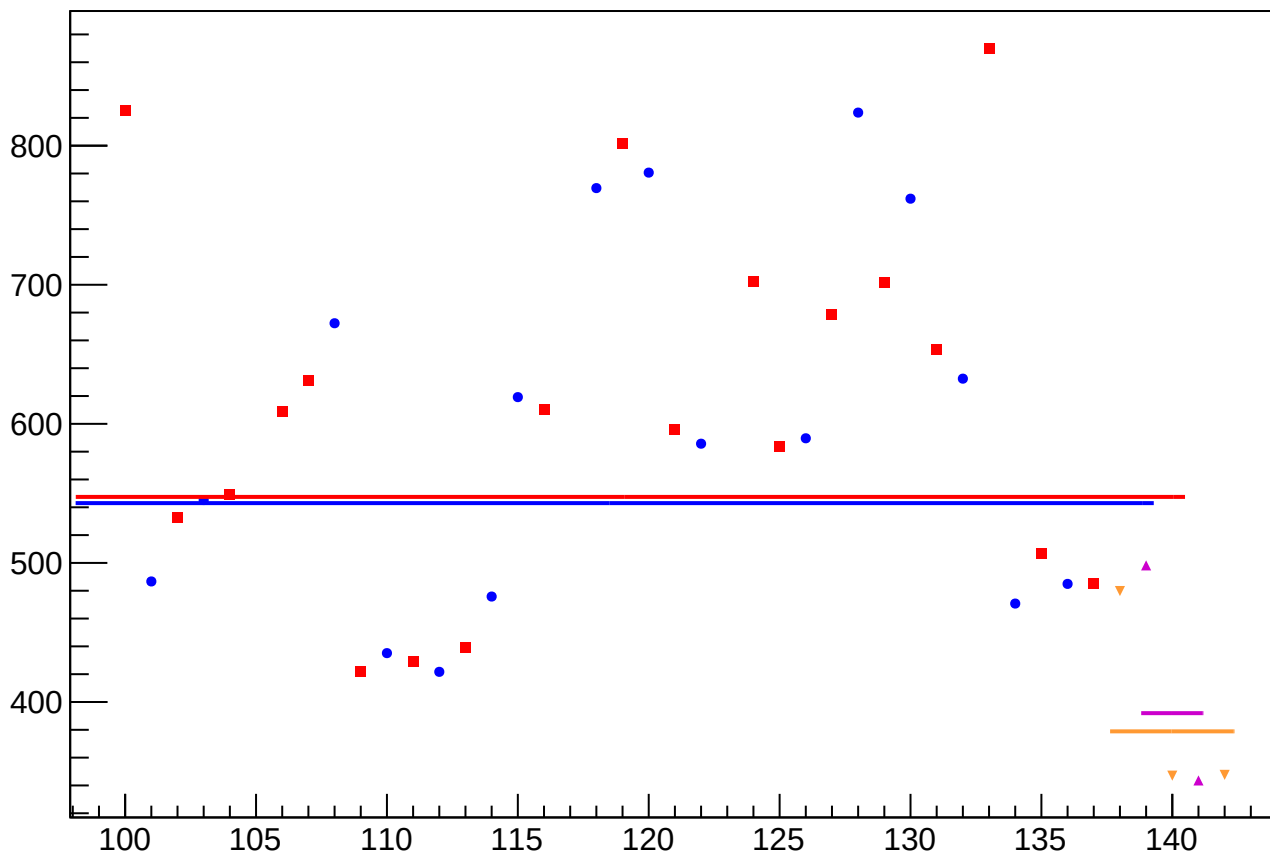
Left In: 266.432 $\pm$ 304.029 χ^2 /NDF:2.1/1

+ sign 195.146 $\pm$ 164.163 χ^2 /NDF: 27.9/18

All: 267.624 $\pm$ 118.192 χ^2 /NDF: 40.5/39

- sign 345.625 $\pm$ 170.304 χ^2 /NDF: 12.2/20

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF : 605250.7/15

Left Out: 378.890+/-0.190 χ^2/NDF : 88657.5/2

Right Out: 547.465+/-0.145 χ^2/NDF : 630284.0/18

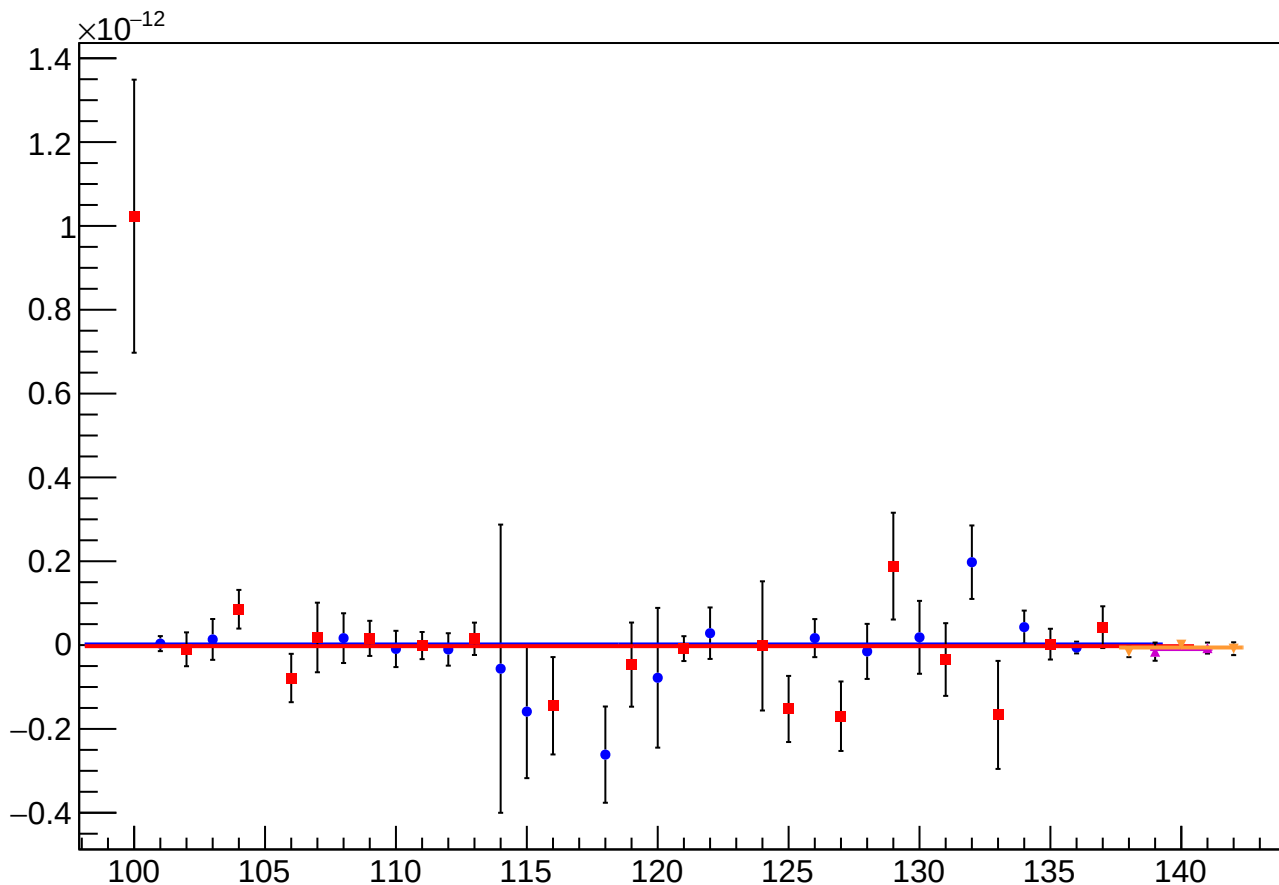
Left In: 391.976+/-0.215 χ^2/NDF : 111214.5/1

+ sign 481.615+/-0.116 χ^2/NDF : 1161854.8/18

All: 489.833+/-0.084 χ^2/NDF : 2272730.7/39

- sign 498.676+/-0.120 χ^2/NDF : 1100471.9/20

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 1.3/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/18

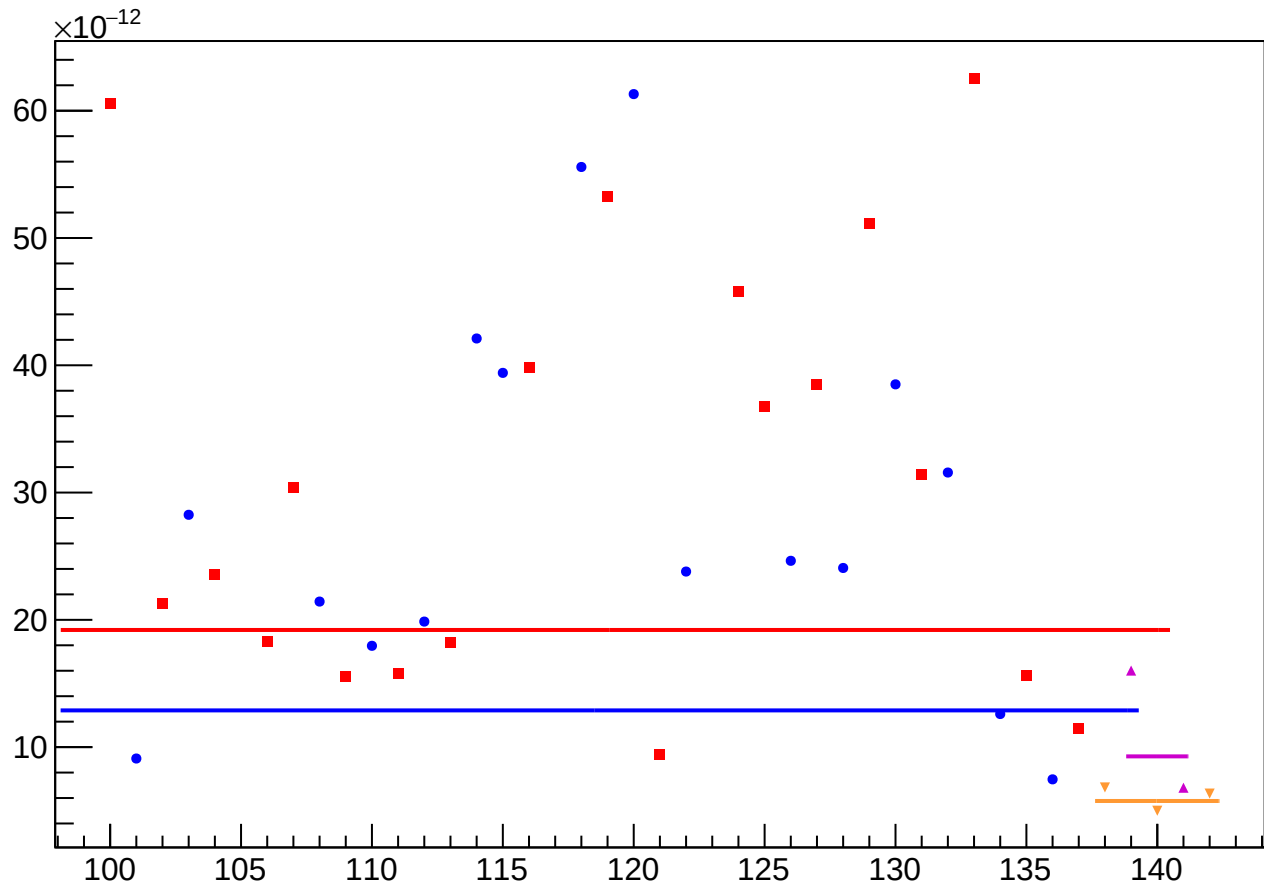
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/18

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.7/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 30.3/20

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 : 31914.1/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1367620.8/18

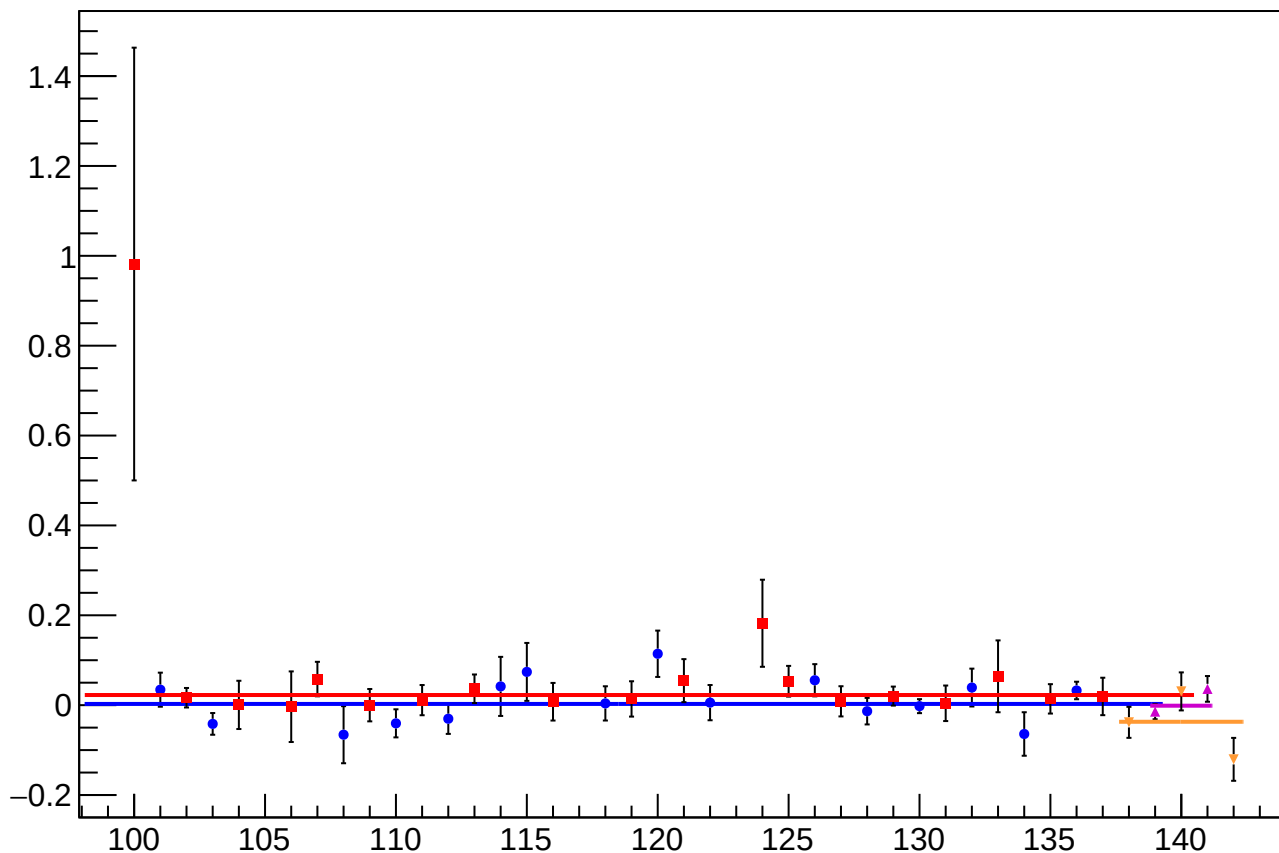
Left In: 0.000+/-0.000 χ^2/NDF : 263607.2/1

+ sign 0.000+/-0.000 χ^2/NDF : 2594981.9/18

All: 0.000+/-0.000 χ^2/NDF : 5605054.9/39

- sign 0.000+/-0.000 χ^2/NDF : 2353413.4/20

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: -0.037 $\pm$ 0.023 χ^2 /NDF: 5.6/2

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

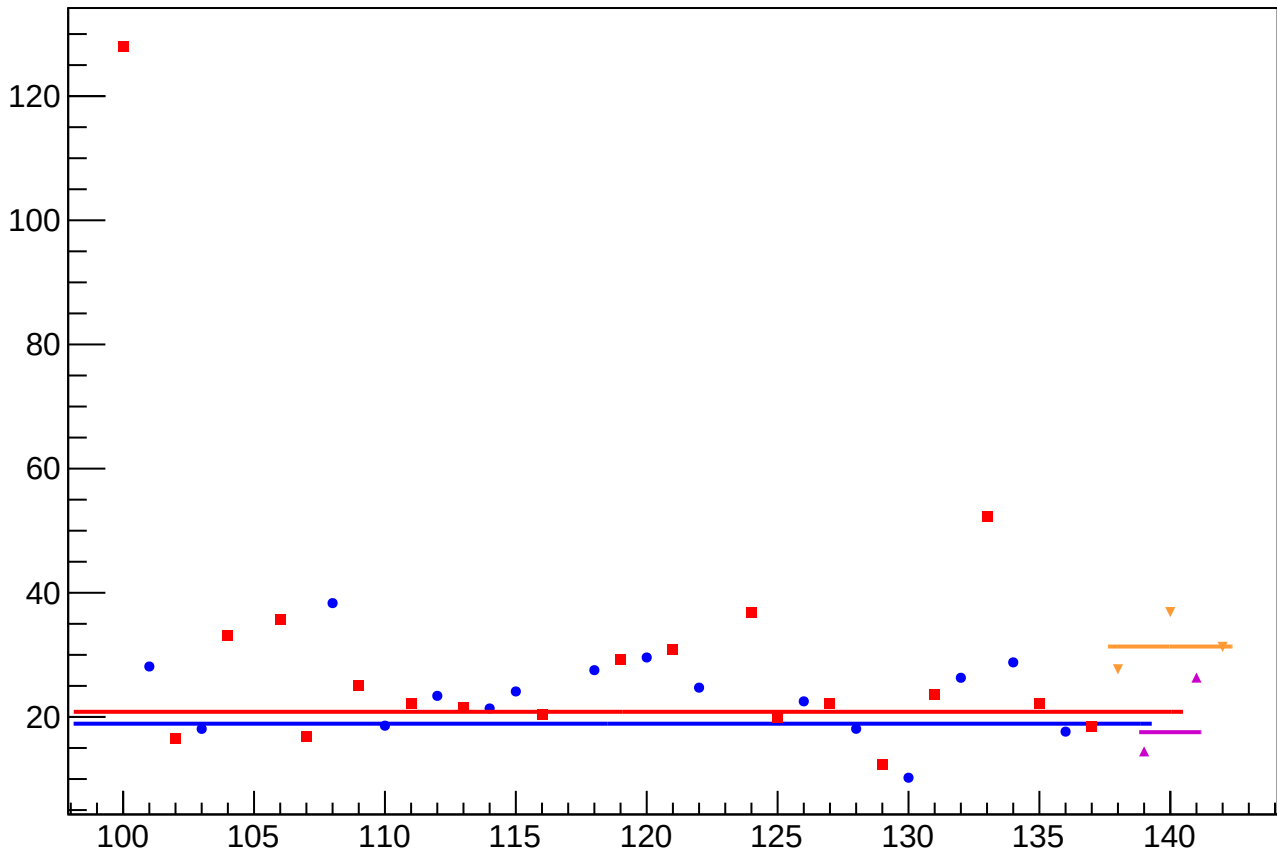
Left In: -0.001 $\pm$ 0.015 χ^2 /NDF: 2.3/1

+ sign -0.001 $\pm$ 0.007 χ^2 /NDF: 30.2/18

All: 0.008 $\pm$ 0.005 χ^2 /NDF: 48.2/39

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 15.1/20

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF : 1390349.2/15

Left Out: 31.340+/-0.016 χ^2/NDF : 56985.6/2

Right Out: 20.826+/-0.006 χ^2/NDF : 1291541.1/18

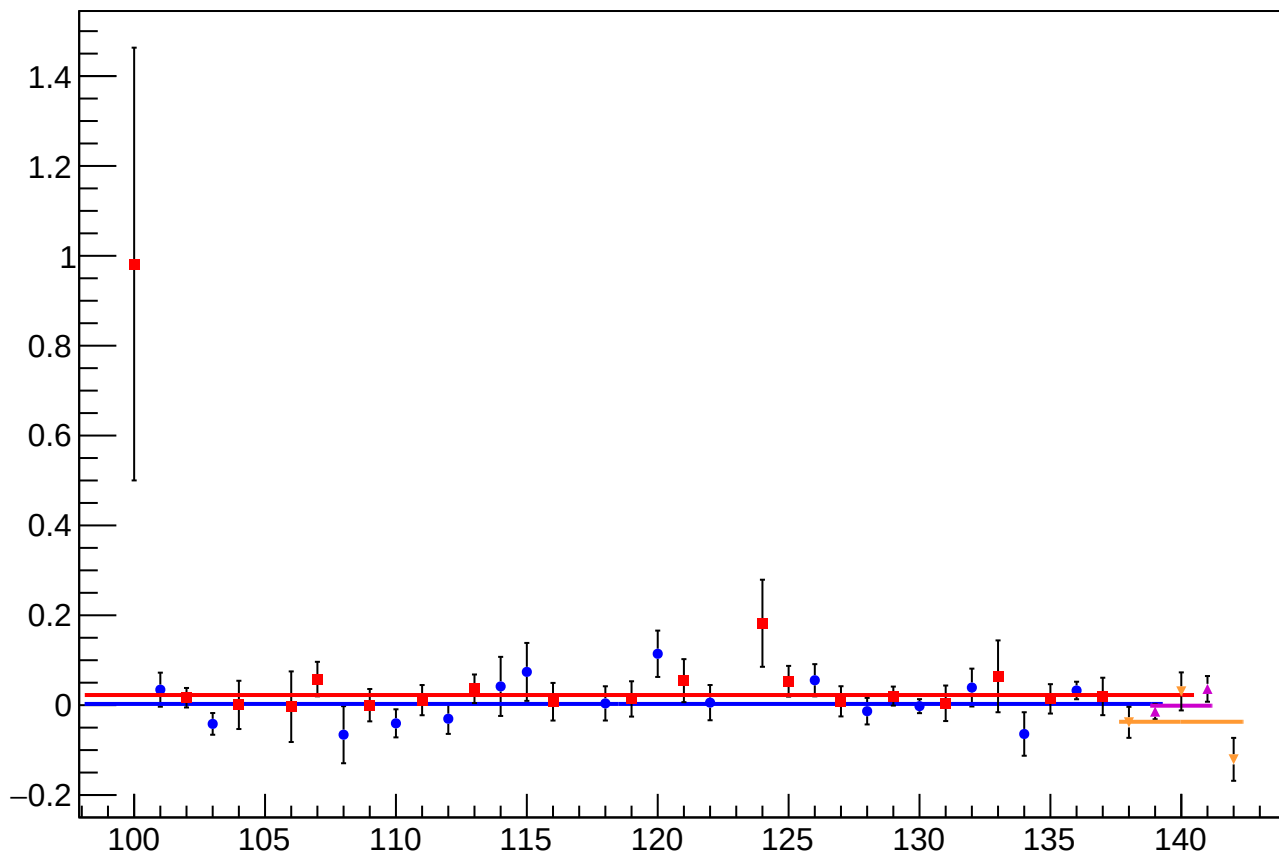
Left In: 17.547+/-0.010 χ^2/NDF : 255500.4/1

+ sign 20.162+/-0.005 χ^2/NDF : 1957807.7/18

All: 20.081+/-0.004 χ^2/NDF : 3581020.1/39

- sign 20.002+/-0.005 χ^2/NDF : 1622741.5/20

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: -0.037 $\pm$ 0.023 χ^2 /NDF: 5.6/2

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

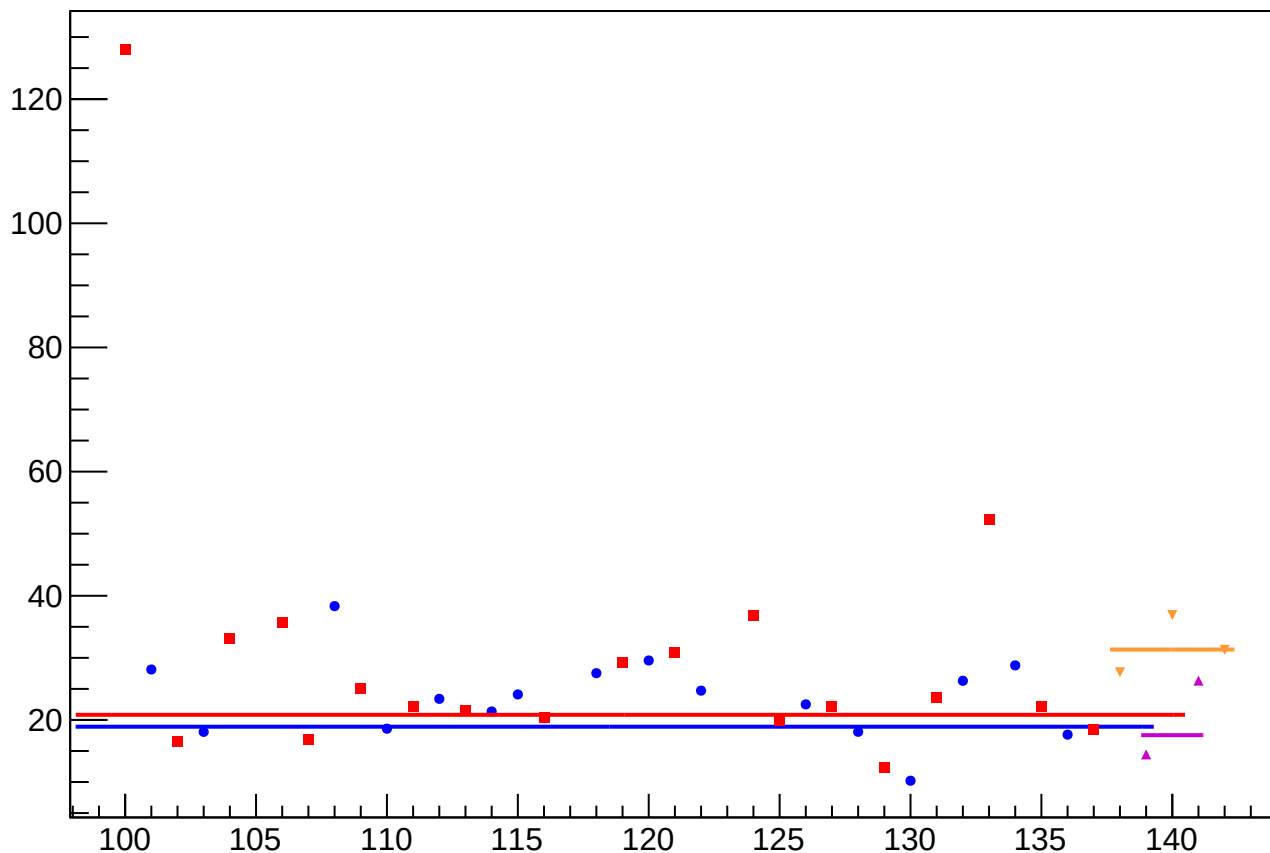
Left In: -0.001 $\pm$ 0.015 χ^2 /NDF: 2.3/1

+ sign -0.001 $\pm$ 0.007 χ^2 /NDF: 30.2/18

All: 0.008 $\pm$ 0.005 χ^2 /NDF: 48.2/39

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 15.1/20

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF : 1390349.2/15

Left Out: 31.340+/-0.016 χ^2/NDF : 56985.6/2

Right Out: 20.826+/-0.006 χ^2/NDF : 1291541.1/18

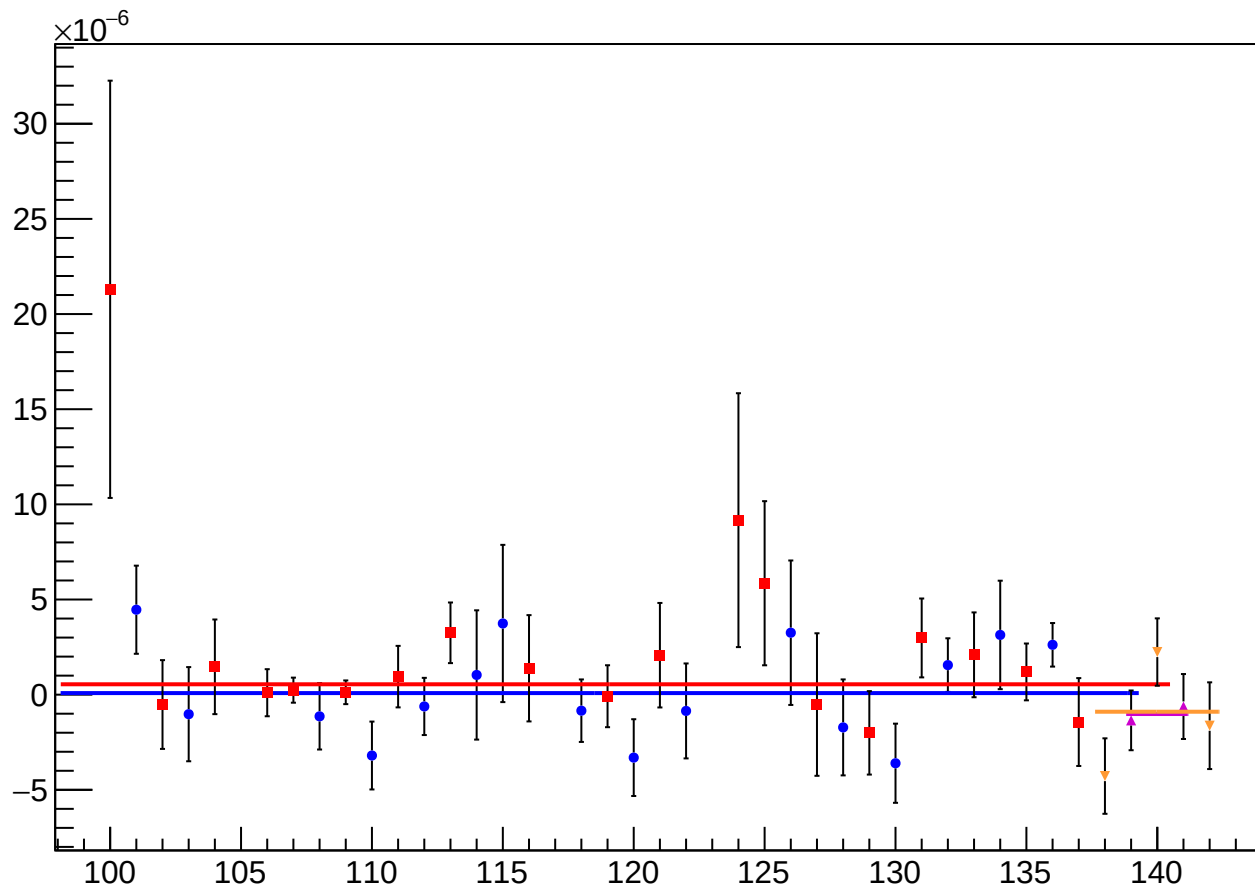
Left In: 17.547+/-0.010 χ^2/NDF : 255500.4/1

+ sign 20.162+/-0.005 χ^2/NDF : 1957807.7/18

All: 20.081+/-0.004 χ^2/NDF : 3581020.1/39

- sign 20.002+/-0.005 χ^2/NDF : 1622741.5/20

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 6.2/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/18

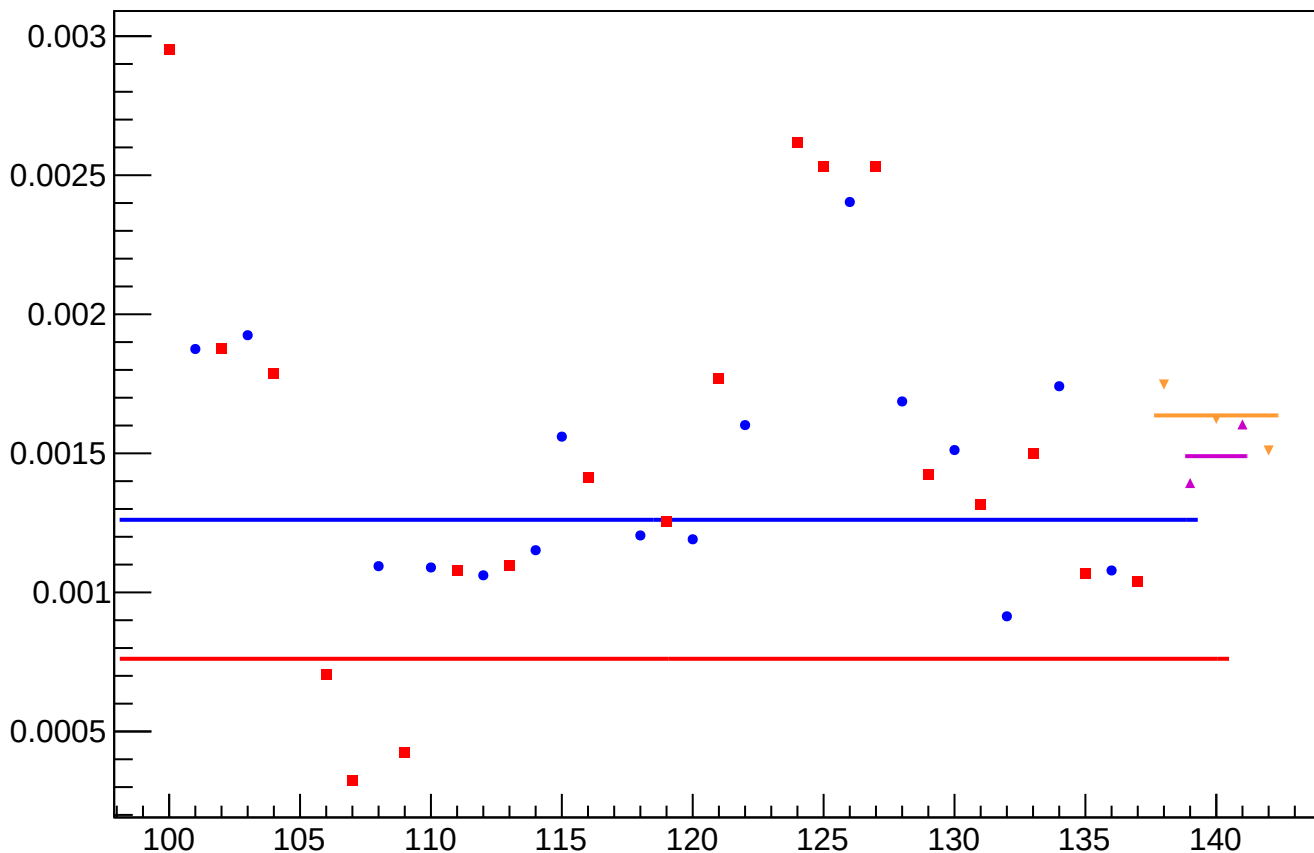
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.1/1

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 30.3/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 48.5/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/20

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: 0.002+/-0.000 χ^2/NDF :12503.4/2

Right Out: 0.001+/-0.000 χ^2/NDF : 4672607.8/18

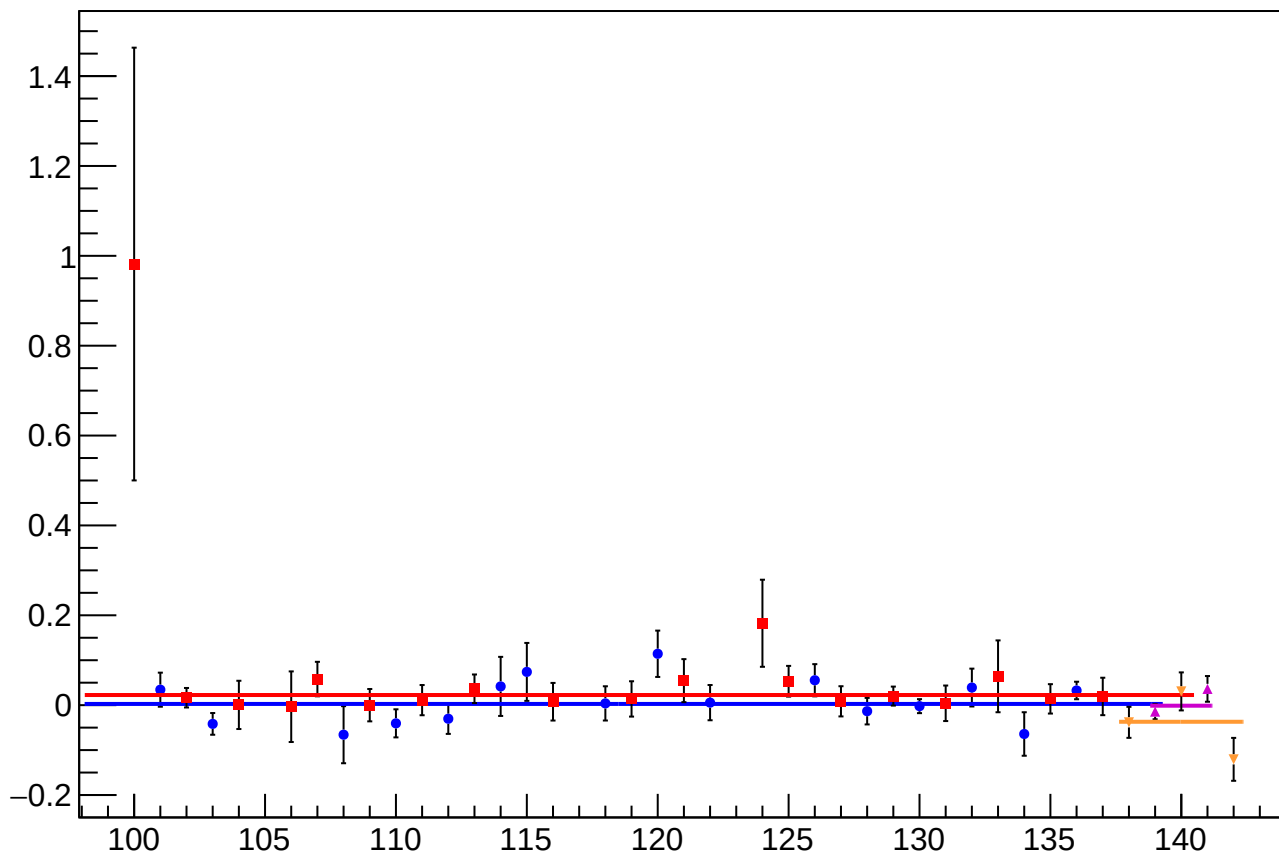
Left In: 0.001+/-0.000 χ^2/NDF :16520.5/1

+ sign 0.001+/-0.000 χ^2/NDF : 1102398.0/18

All: 0.001+/-0.000 χ^2/NDF : 8155292.4/39

- sign 0.001+/-0.000 χ^2/NDF : 5421824.6/20

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: -0.037 $\pm$ 0.023 χ^2 /NDF: 5.6/2

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

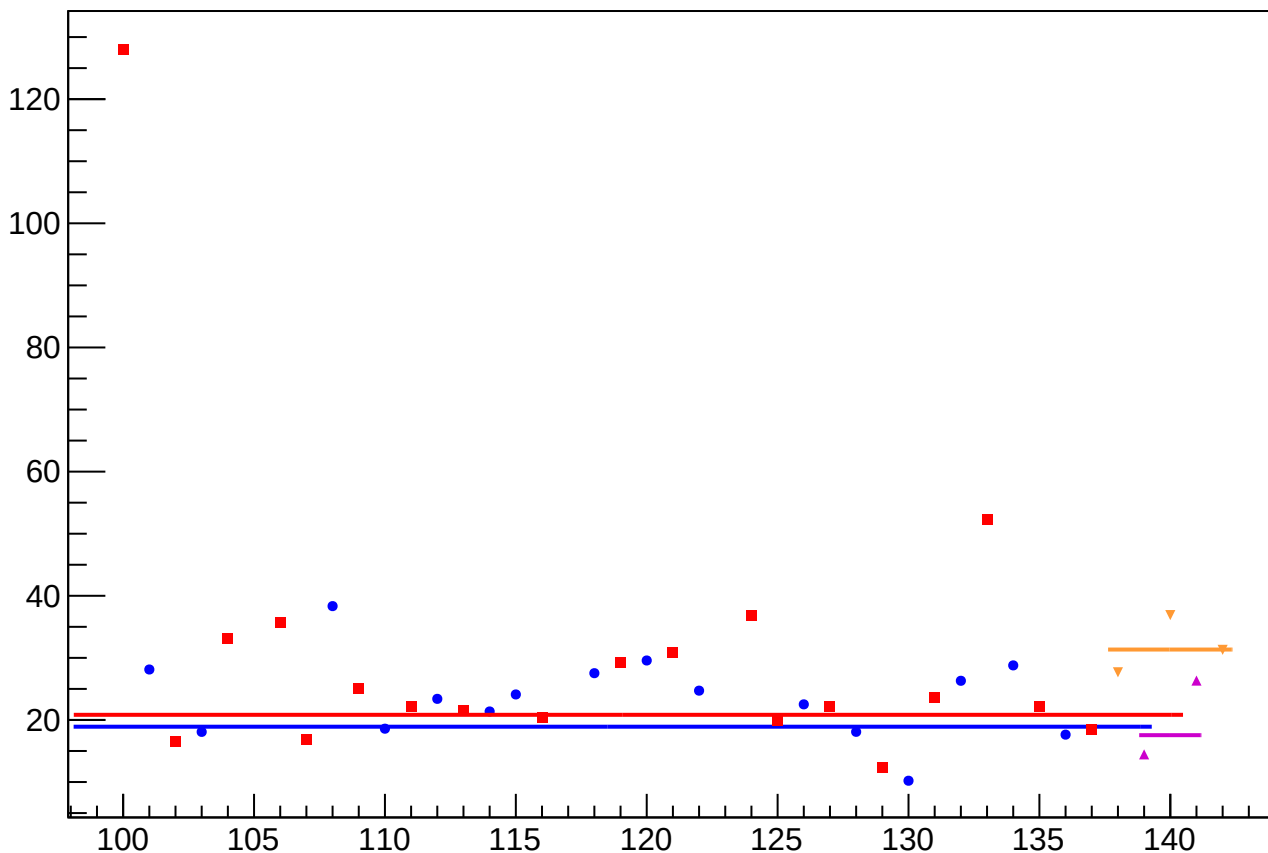
Left In: -0.001 $\pm$ 0.015 χ^2 /NDF: 2.3/1

+ sign -0.001 $\pm$ 0.007 χ^2 /NDF: 30.2/18

All: 0.008 $\pm$ 0.005 χ^2 /NDF: 48.2/39

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 15.1/20

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: 31.341 $\pm$ 0.016 χ^2 /NDF: 56986.9/2

Right Out: 20.827 $\pm$ 0.006 χ^2 /NDF: 1291537.3/18

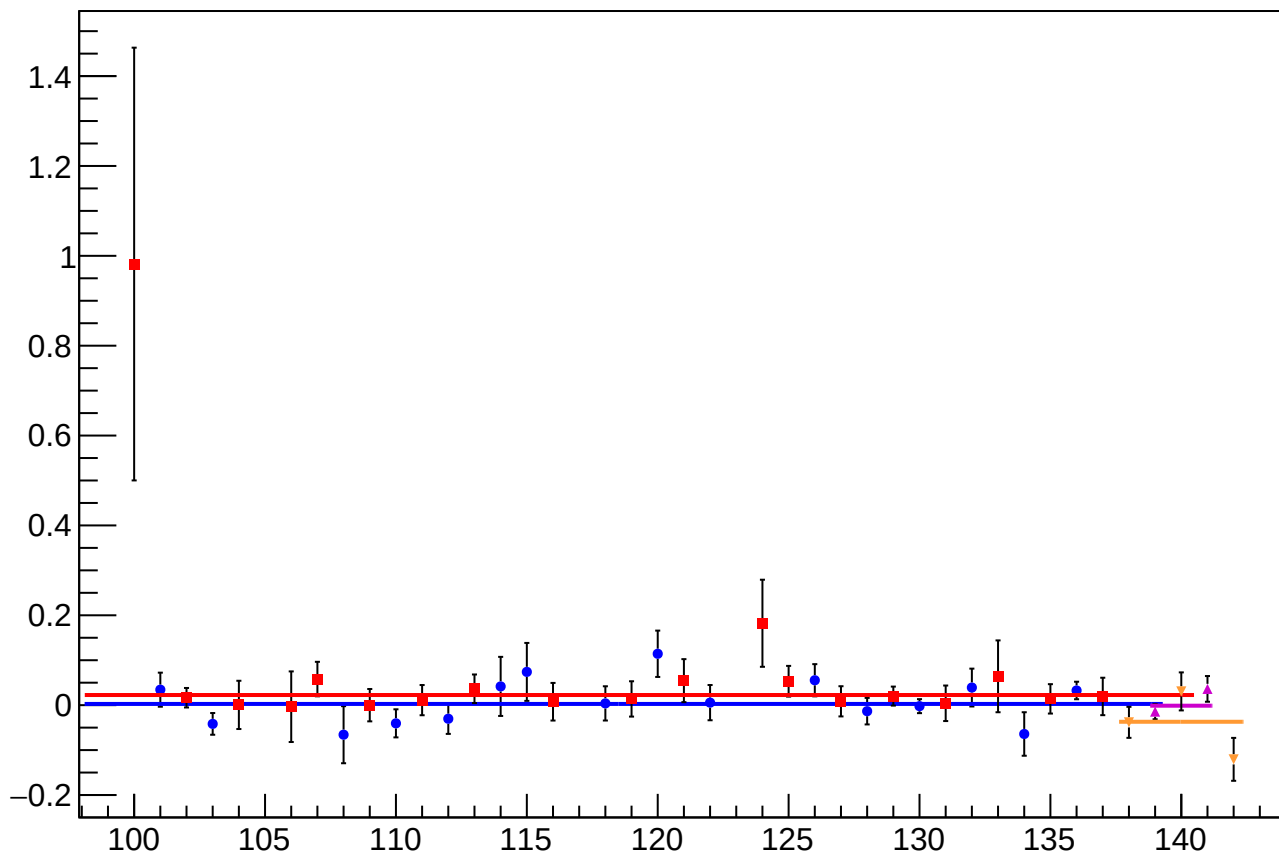
Left In: 17.548 $\pm$ 0.010 χ^2 /NDF: 255485.3/1

+ sign 20.163 $\pm$ 0.005 χ^2 /NDF: 1957686.0/18

All: 20.082 $\pm$ 0.004 χ^2 /NDF: 3580851.6/39

- sign 20.003 $\pm$ 0.005 χ^2 /NDF: 1622694.4/20

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.008 χ^2 /NDF: 22.0/15

Left Out: -0.037 $\pm$ 0.023 χ^2 /NDF: 5.6/2

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

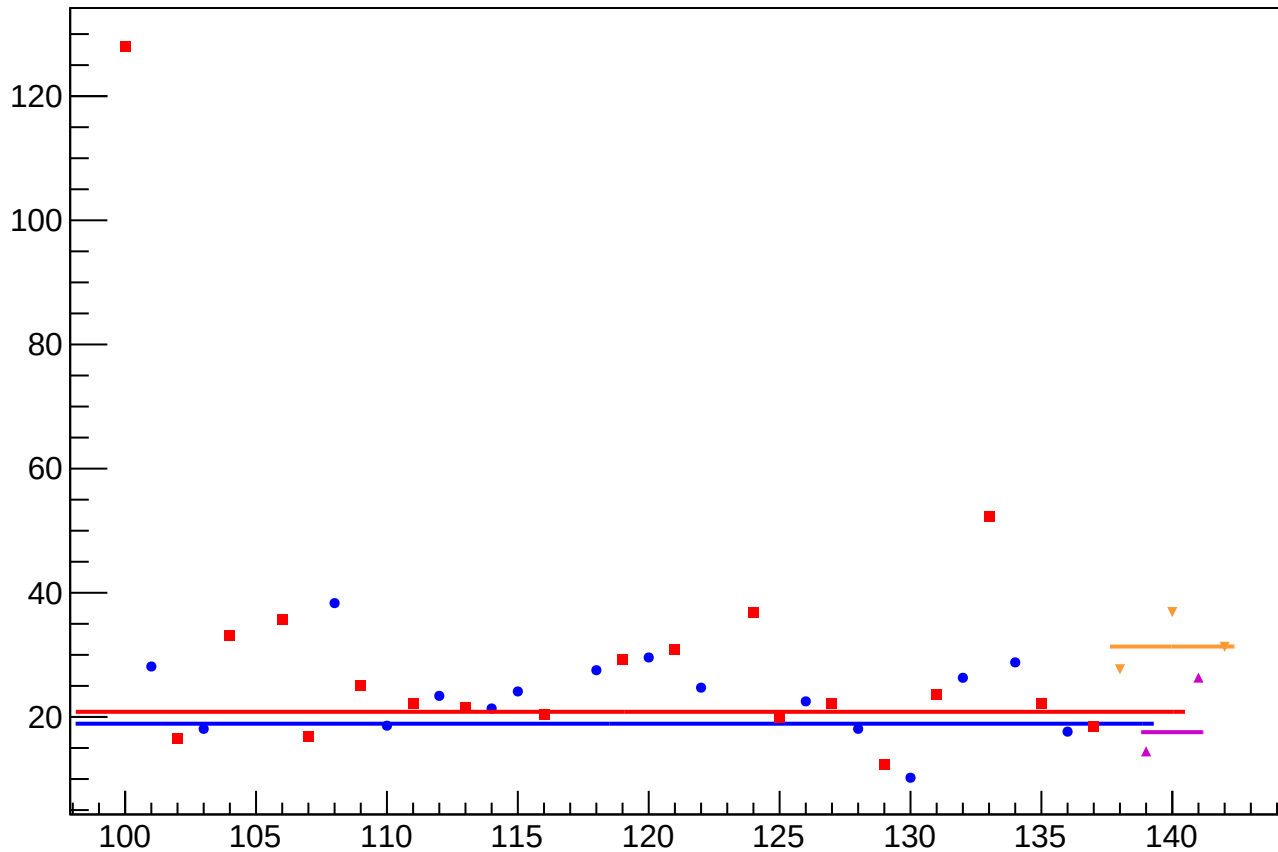
Left In: -0.001 $\pm$ 0.015 χ^2 /NDF: 2.3/1

+ sign -0.001 $\pm$ 0.007 χ^2 /NDF: 30.2/18

All: 0.008 $\pm$ 0.005 χ^2 /NDF: 48.2/39

- sign 0.017 $\pm$ 0.007 χ^2 /NDF: 15.1/20

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: 31.341 $\pm$ 0.016 χ^2 /NDF: 56986.9/2

Right Out: 20.827 $\pm$ 0.006 χ^2 /NDF: 1291537.3/18

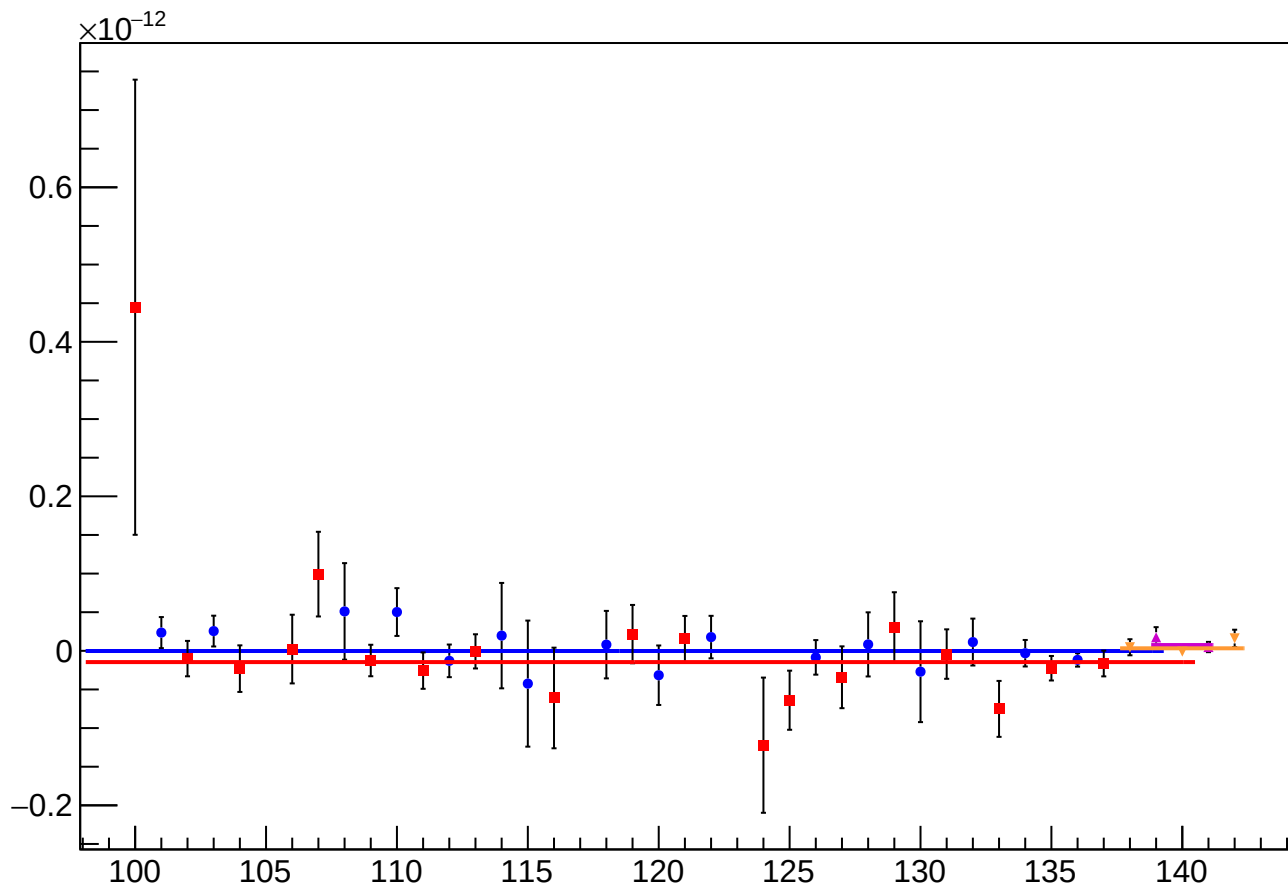
Left In: 17.548 $\pm$ 0.010 χ^2 /NDF: 255485.3/1

+ sign 20.163 $\pm$ 0.005 χ^2 /NDF: 1957686.0/18

All: 20.082 $\pm$ 0.004 χ^2 /NDF: 3580851.6/39

- sign 20.003 $\pm$ 0.005 χ^2 /NDF: 1622694.4/20

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 : 1.8/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 17.6/18

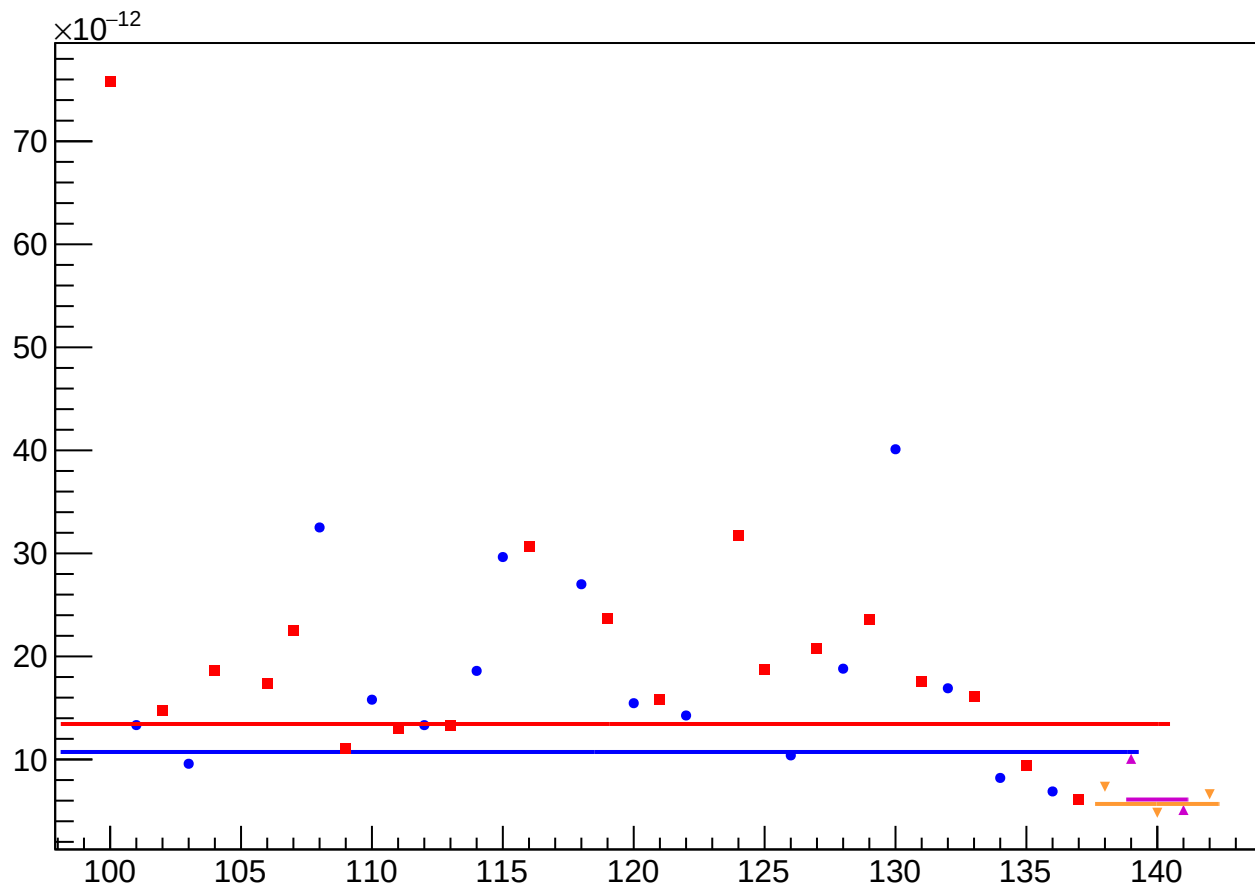
Left In: 0.000 ± 0.000 χ^2/NDF : 0.7/1

+ sign 0.000 ± 0.000 χ^2/NDF : 12.6/18

All: 0.000 ± 0.000 χ^2/NDF : 37.7/39

- sign -0.000 ± 0.000 χ^2/NDF : 24.6/20

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 : 104572.6/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1402984.9/18

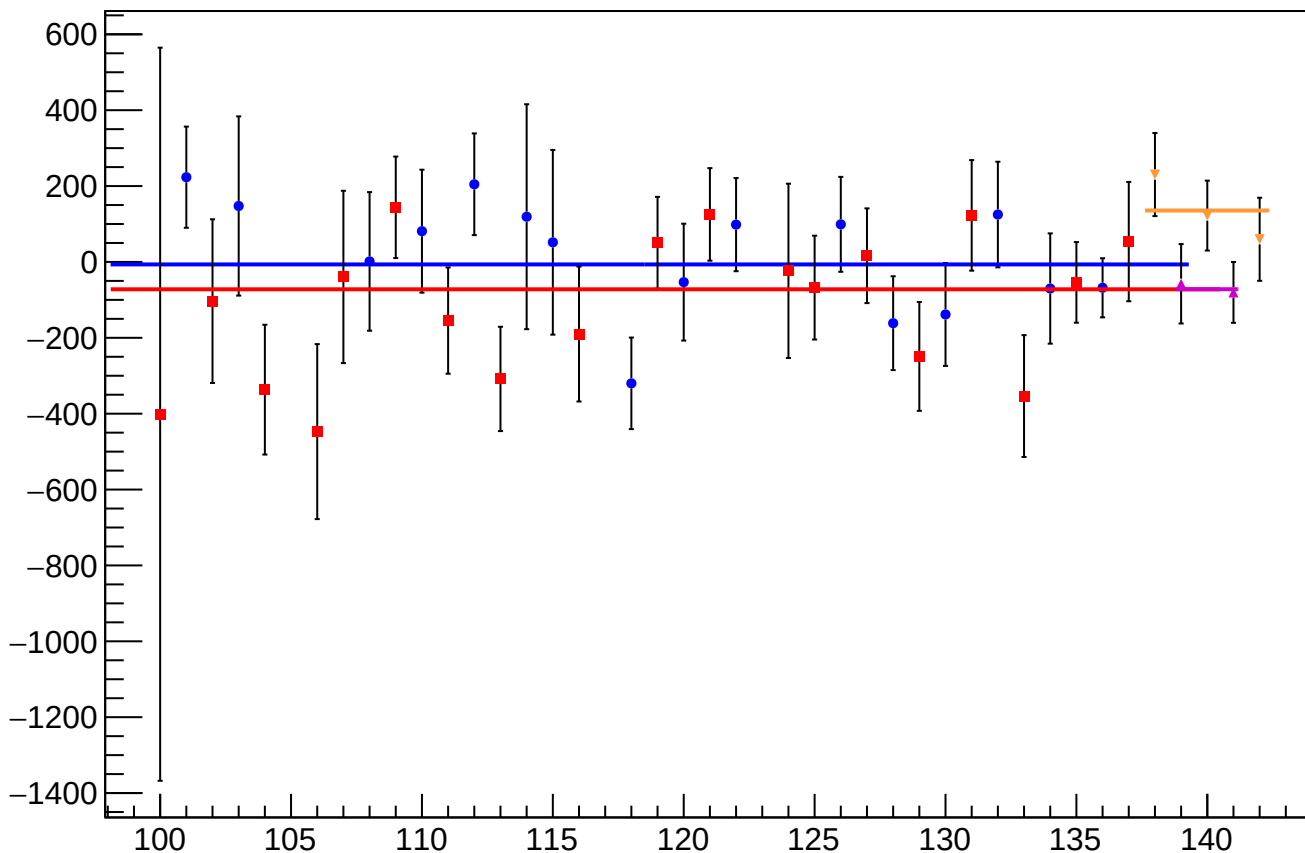
Left In: 0.000+/-0.000 χ^2/NDF : 227418.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 2880721.8/18

All: 0.000+/-0.000 χ^2/NDF : 6051992.5/39

- sign 0.000+/-0.000 χ^2/NDF : 3009197.3/20

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559 ± 34.286 χ^2/NDF : 18.9/15

Left Out: 135.611 ± 59.260 χ^2/NDF : 1.3/2

Right Out: -72.124 ± 34.883 χ^2/NDF : 22.8/18

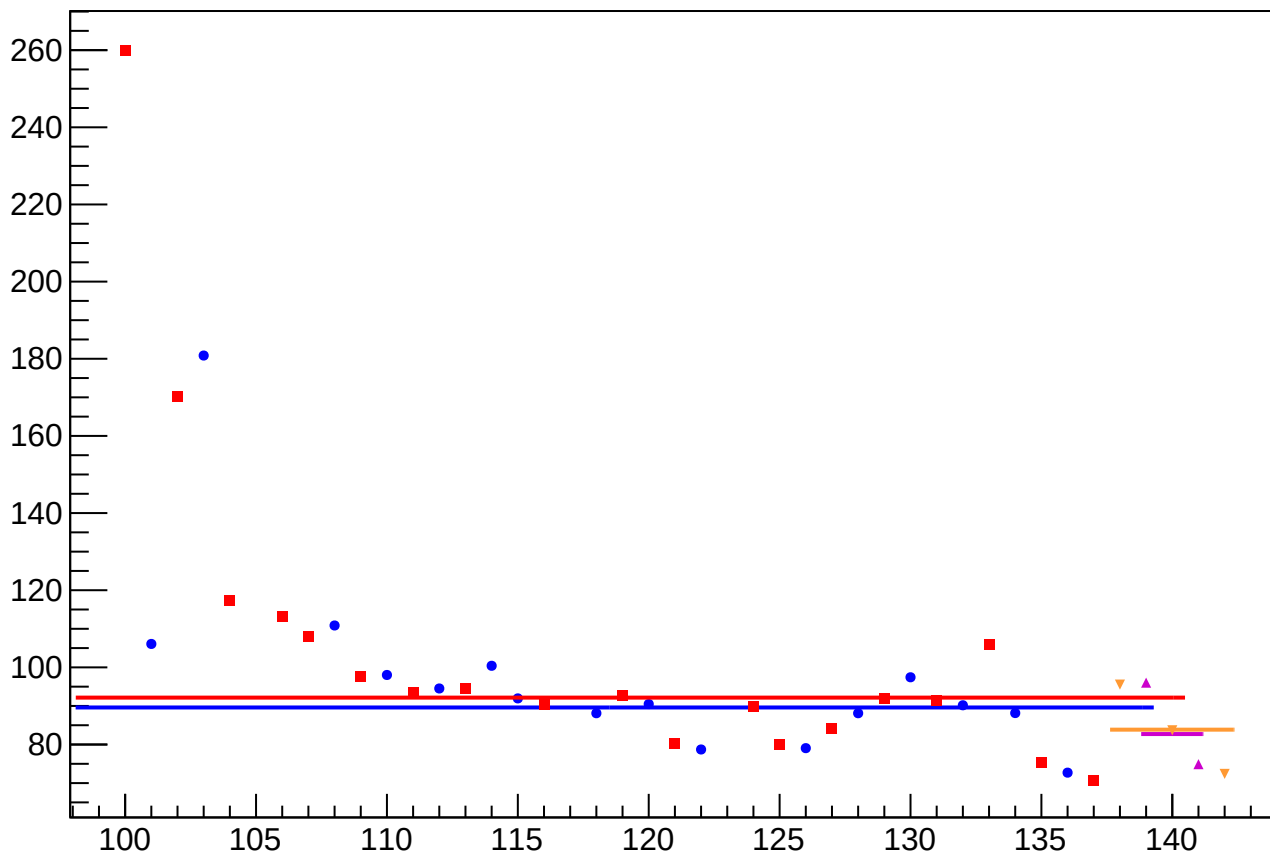
Left In: -71.940 ± 63.609 χ^2/NDF : 0.0/1

+ sign 29.097 ± 29.677 χ^2/NDF : 24.5/18

All: -19.967 ± 21.299 χ^2/NDF : 52.9/39

- sign -72.081 ± 30.586 χ^2/NDF : 22.8/20

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604 $\pm$ 0.024 χ^2 /NDF: 498380.8/15

Left Out: 83.852 $\pm$ 0.042 χ^2 /NDF: 44733.8/2

Right Out: 92.161 $\pm$ 0.025 χ^2 /NDF: 542074.4/18

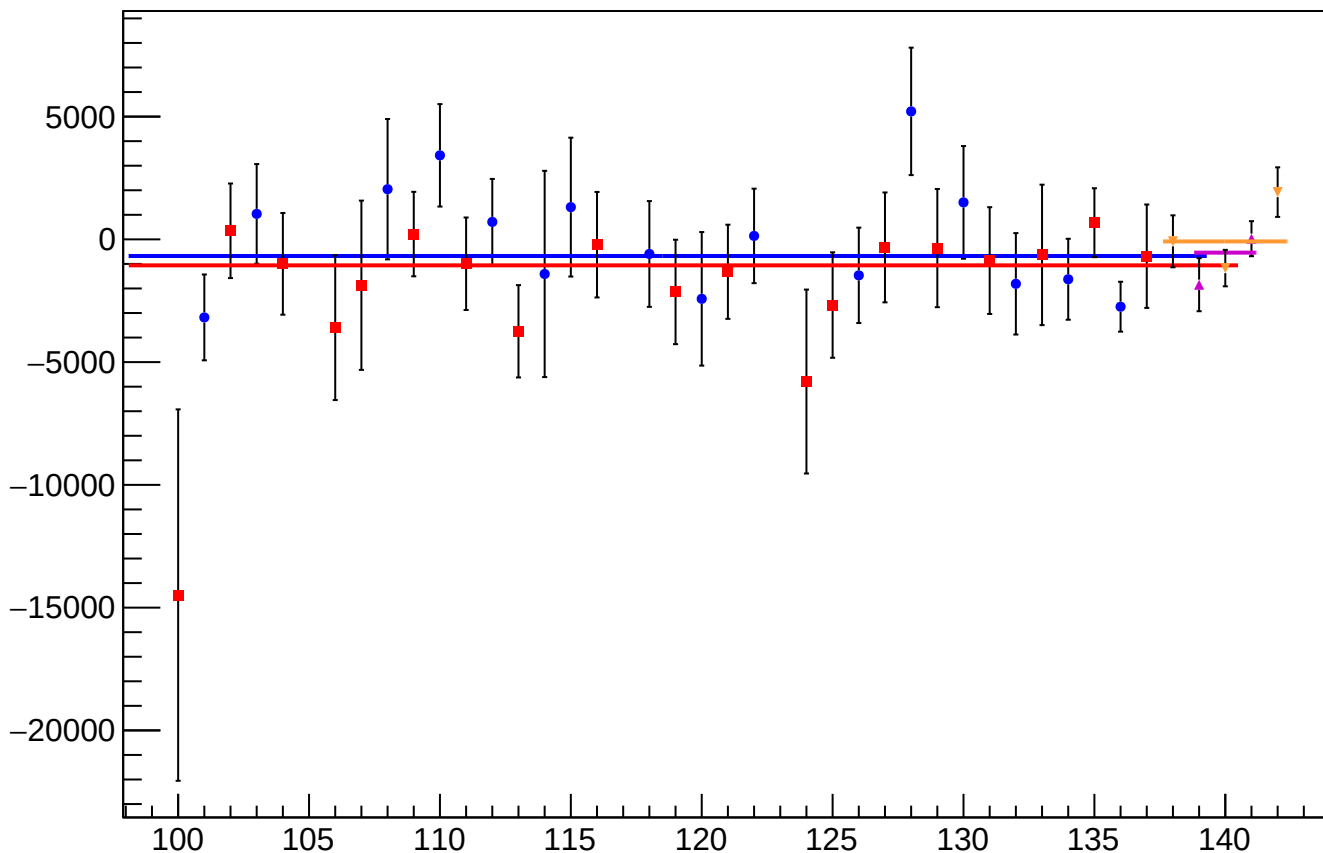
Left In: 82.715 $\pm$ 0.045 χ^2 /NDF: 51421.8/1

+ sign 88.161 $\pm$ 0.021 χ^2 /NDF: 557230.1/18

All: 89.042 $\pm$ 0.015 χ^2 /NDF: 1188268.7/39

- sign 89.977 $\pm$ 0.022 χ^2 /NDF: 627407.8/20

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -677.381+/-486.480 χ^2 /NDF: 20.3/15

Left Out: -83.960+/-520.578 χ^2 /NDF: 6.1/2

Right Out: -1058.761+/-496.350 χ^2 /NDF: 11.5/18

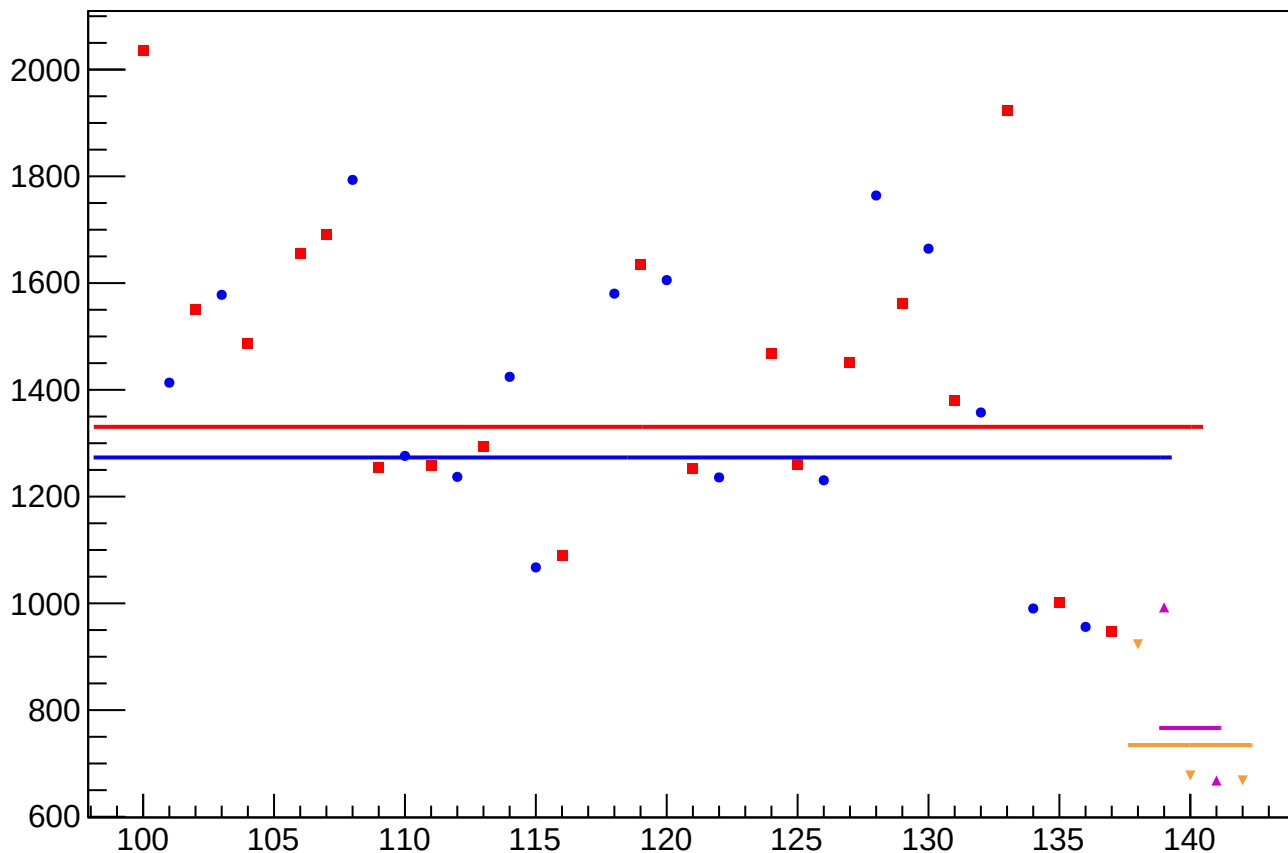
Left In: -540.870+/-595.634 χ^2 /NDF: 2.1/1

+ sign -400.740+/-355.437 χ^2 /NDF: 27.1/18

All: -607.993+/-259.998 χ^2 /NDF: 41.8/39

- sign -846.516+/-381.310 χ^2 /NDF: 14.0/20

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF : 597520.6/15

Left Out: 734.546+/-0.368 χ^2/NDF : 84017.1/2

Right Out: 1330.683+/-0.351 χ^2/NDF : 470703.7/18

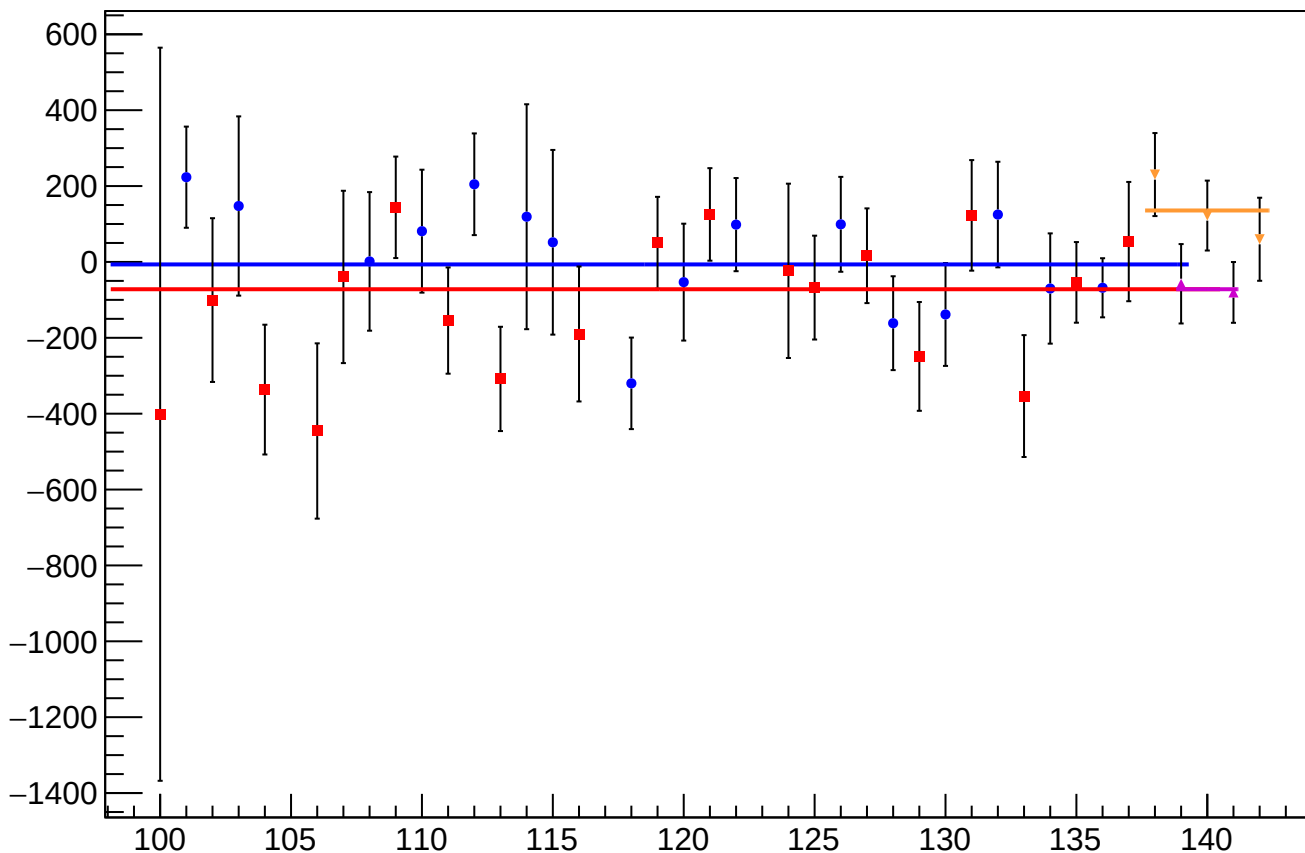
Left In: 766.513+/-0.421 χ^2/NDF : 125385.0/1

+ sign 1022.157+/-0.251 χ^2/NDF : 1825134.9/18

All: 1058.103+/-0.184 χ^2/NDF : 3524162.4/39

- sign 1099.472+/-0.270 χ^2/NDF : 1655030.8/20

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568 ± 34.286 χ^2/NDF : 18.9/15

Left Out: 135.625 ± 59.260 χ^2/NDF : 1.3/2

Right Out: -71.981 ± 34.885 χ^2/NDF : 22.8/18

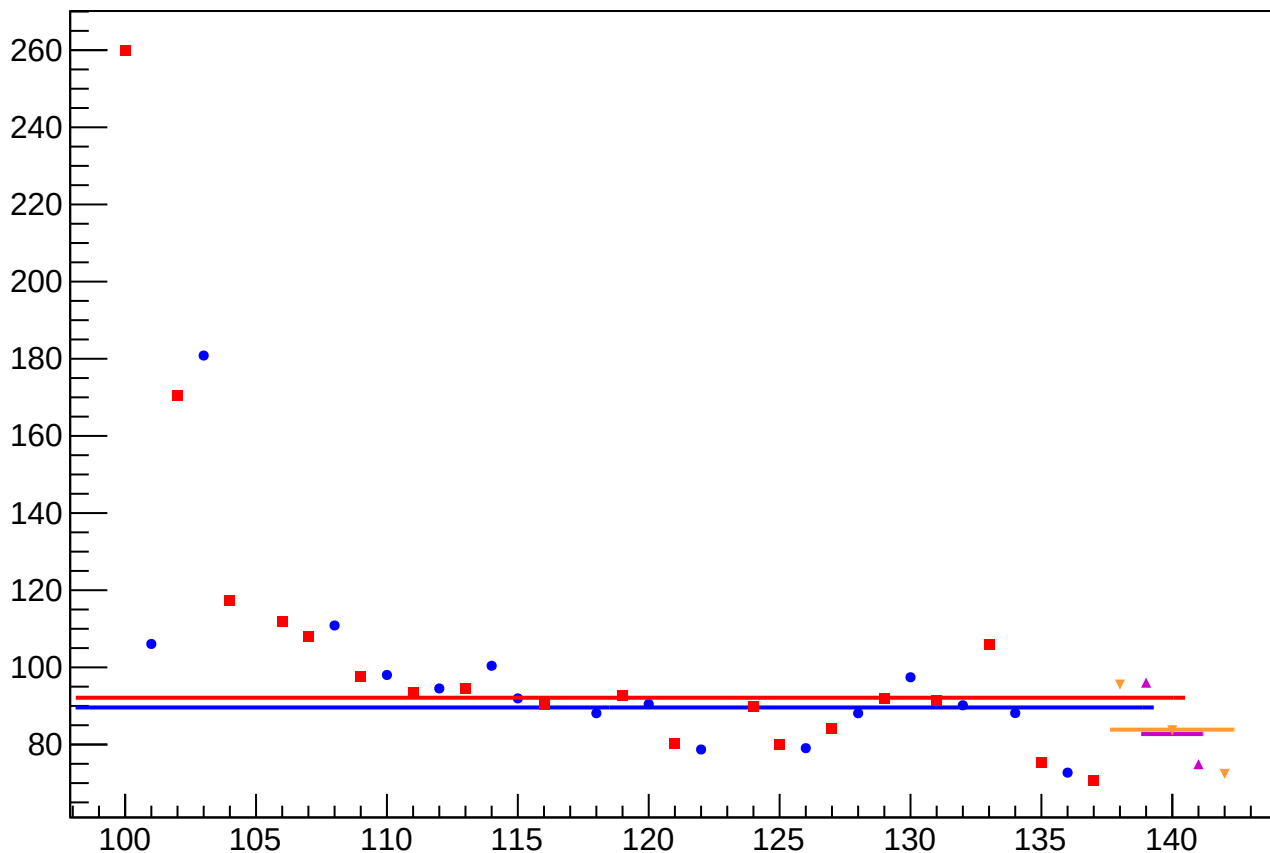
Left In: -71.951 ± 63.609 χ^2/NDF : 0.0/1

+ sign 29.093 ± 29.677 χ^2/NDF : 24.5/18

All: -19.914 ± 21.299 χ^2/NDF : 52.9/39

- sign -71.974 ± 30.587 χ^2/NDF : 22.8/20

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604 $\pm$ 0.024 χ^2 /NDF: 498384.4/15

Left Out: 83.852 $\pm$ 0.042 χ^2 /NDF: 44733.8/2

Right Out: 92.129 $\pm$ 0.025 χ^2 /NDF: 540308.7/18

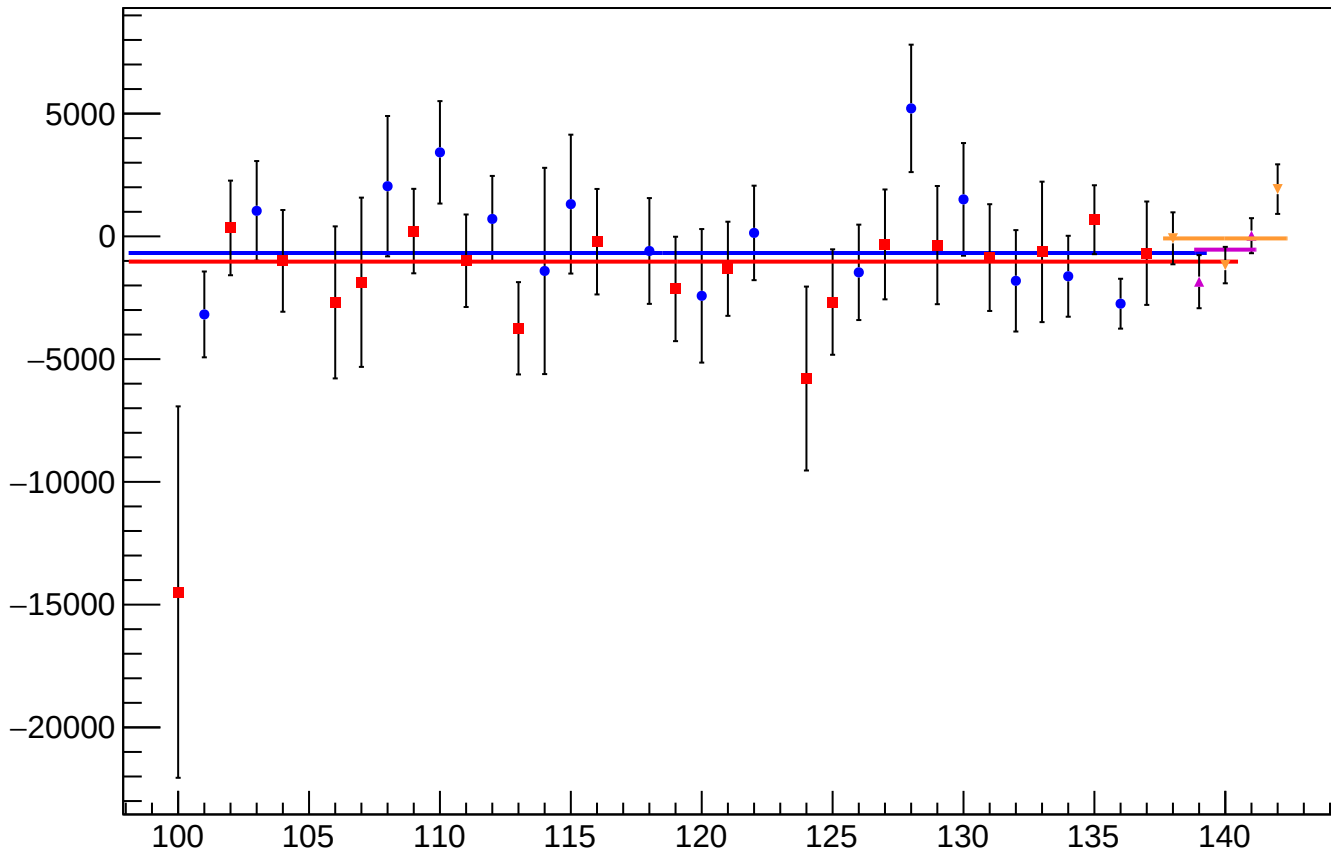
Left In: 82.715 $\pm$ 0.045 χ^2 /NDF: 51421.8/1

+ sign 88.161 $\pm$ 0.021 χ^2 /NDF: 557233.6/18

All: 89.030 $\pm$ 0.015 χ^2 /NDF: 1186179.8/39

- sign 89.952 $\pm$ 0.022 χ^2 /NDF: 625413.3/20

asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -677.345+/-486.482 χ^2/NDF : 20.3/15

Left Out: -83.937+/-520.577 χ^2/NDF : 6.1/2

Right Out: -1029.395+/-497.018 χ^2/NDF : 11.0/18

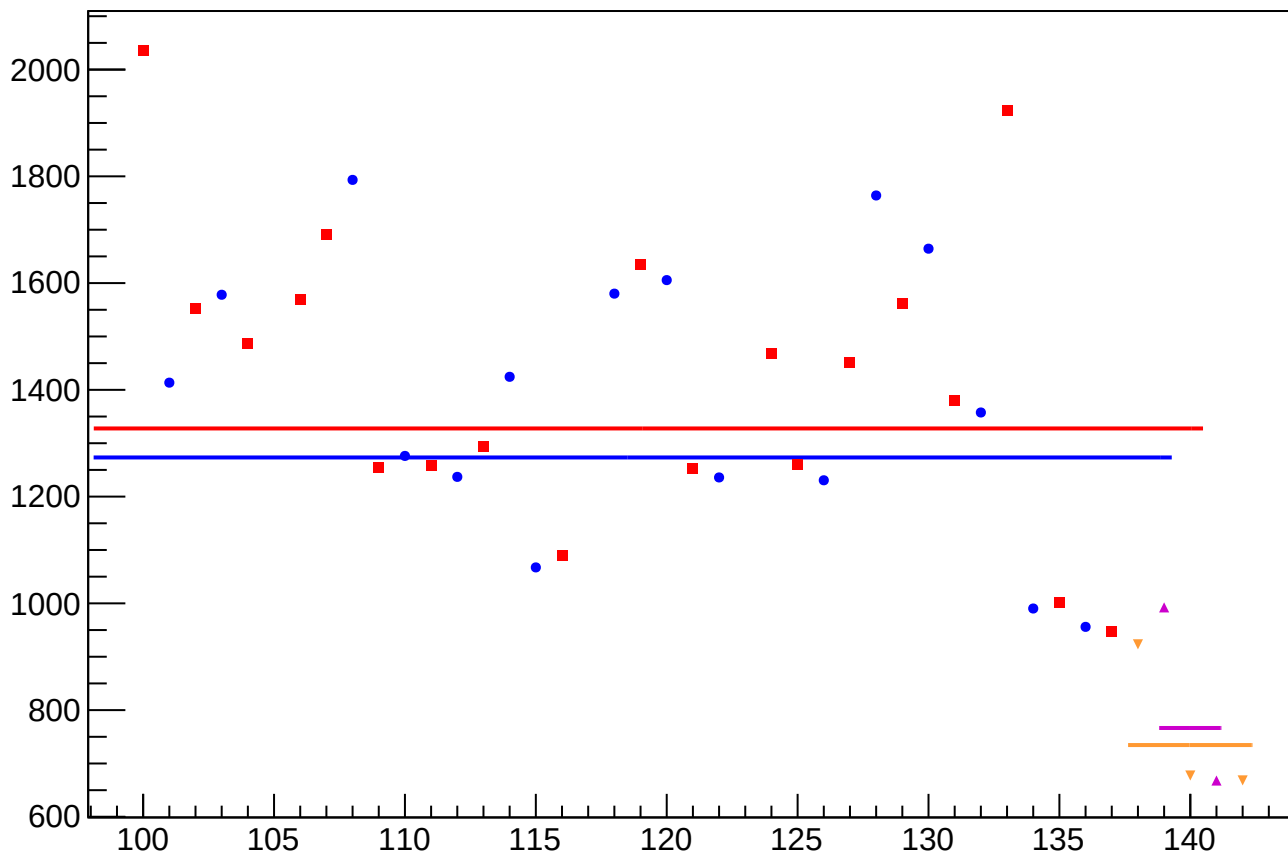
Left In: -540.885+/-595.635 χ^2/NDF : 2.1/1

+ sign -400.709+/-355.437 χ^2/NDF : 27.1/18

All: -599.605+/-260.094 χ^2/NDF : 41.2/39

- sign -828.874+/-381.613 χ^2/NDF : 13.5/20

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF : 597547.8/15

Left Out: 734.545+/-0.368 χ^2/NDF : 84017.3/2

Right Out: 1327.661+/-0.351 χ^2/NDF : 458481.2/18

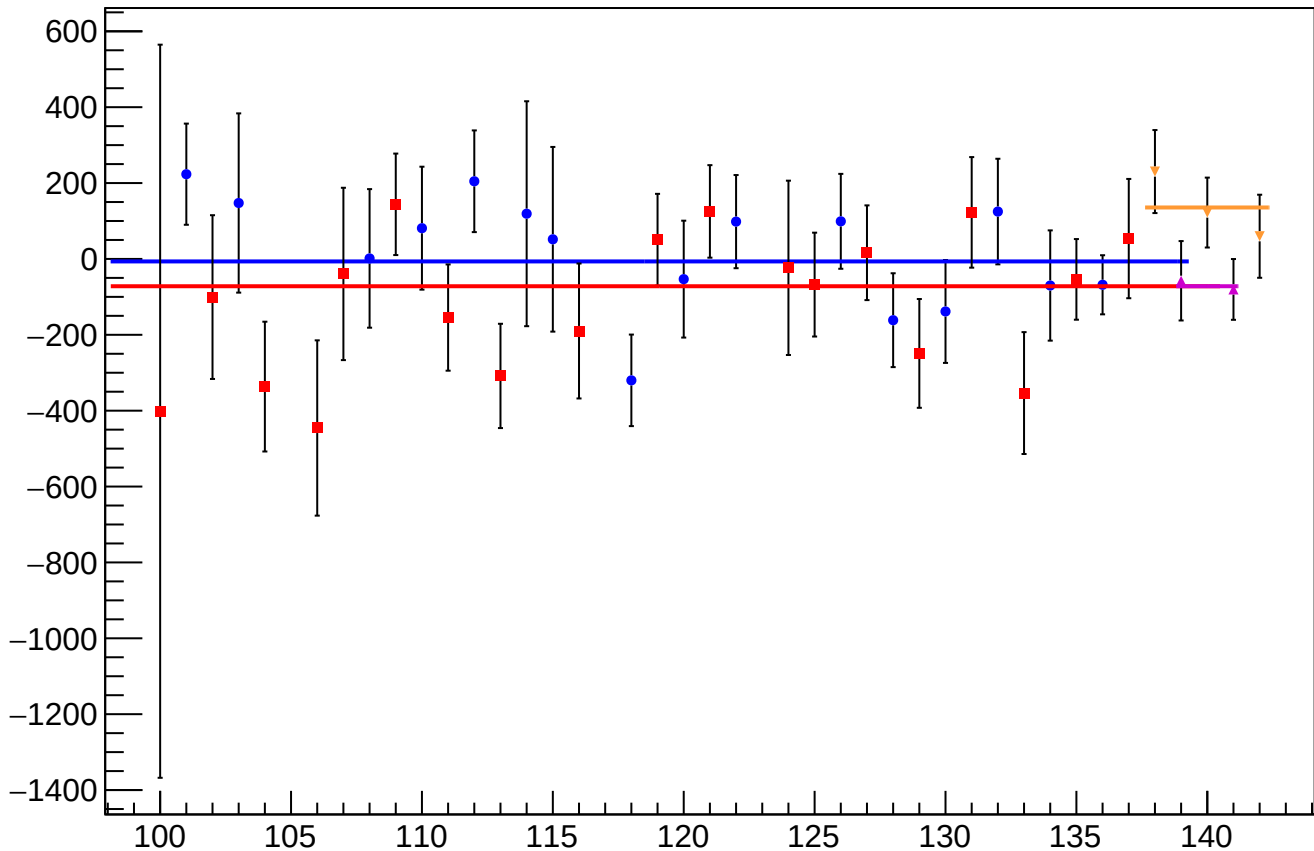
Left In: 766.514+/-0.421 χ^2/NDF : 125383.7/1

+ sign 1022.157+/-0.251 χ^2/NDF : 1825178.0/18

All: 1057.074+/-0.184 χ^2/NDF : 3497061.3/39

- sign 1097.324+/-0.270 χ^2/NDF : 1630332.9/20

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568 ± 34.286 $\chi^2/\text{NDF}: 18.9/15$

Left Out: 135.625 ± 59.260 $\chi^2/\text{NDF}: 1.3/2$

Right Out: -71.981 ± 34.885 $\chi^2/\text{NDF}: 22.8/18$

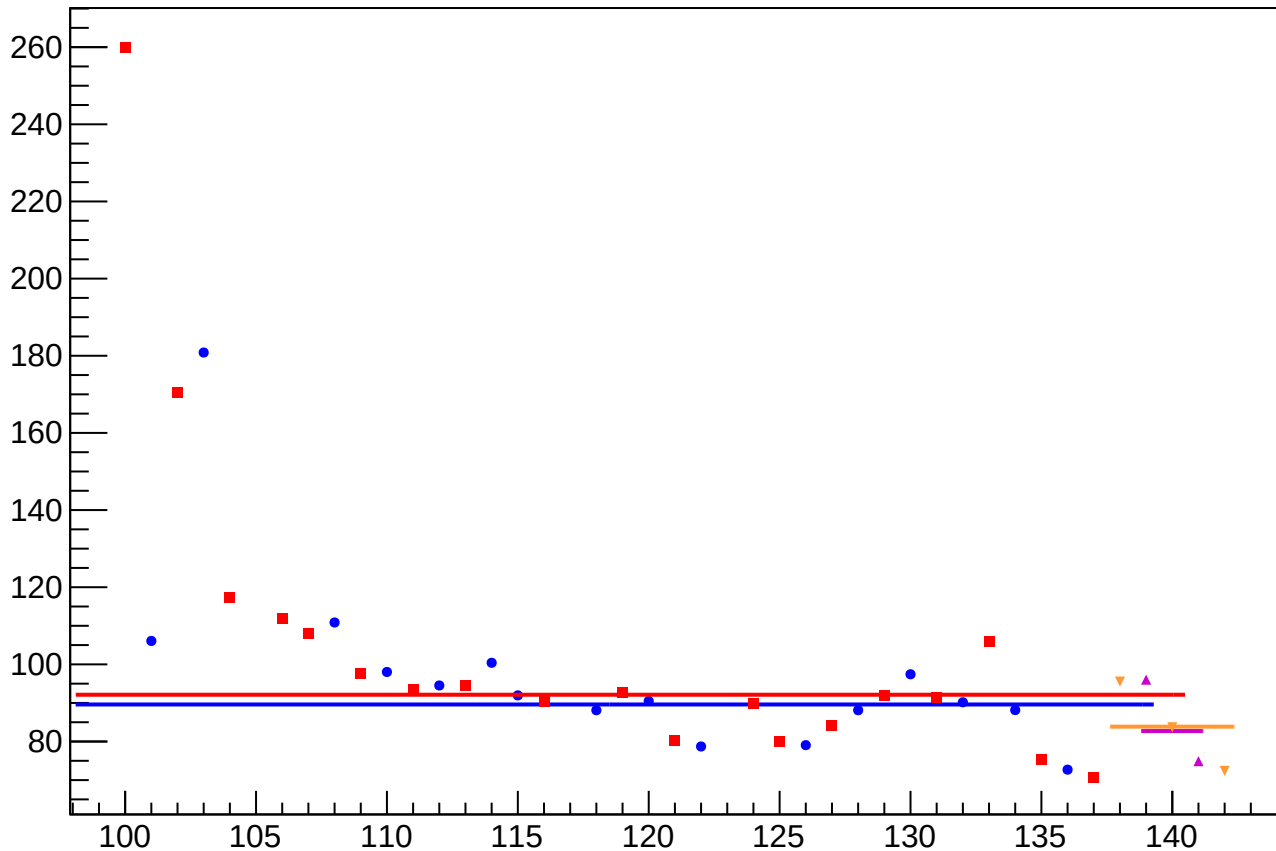
Left In: -71.951 ± 63.609 $\chi^2/\text{NDF}: 0.0/1$

+ sign 29.093 ± 29.677 $\chi^2/\text{NDF}: 24.5/18$

All: -19.914 ± 21.299 $\chi^2/\text{NDF}: 52.9/39$

- sign -71.974 ± 30.587 $\chi^2/\text{NDF}: 22.8/20$

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2 /NDF: 498384.4/15

Left Out: 83.852+/-0.042 χ^2 /NDF: 44733.8/2

Right Out: 92.129+/-0.025 χ^2 /NDF: 540308.7/18

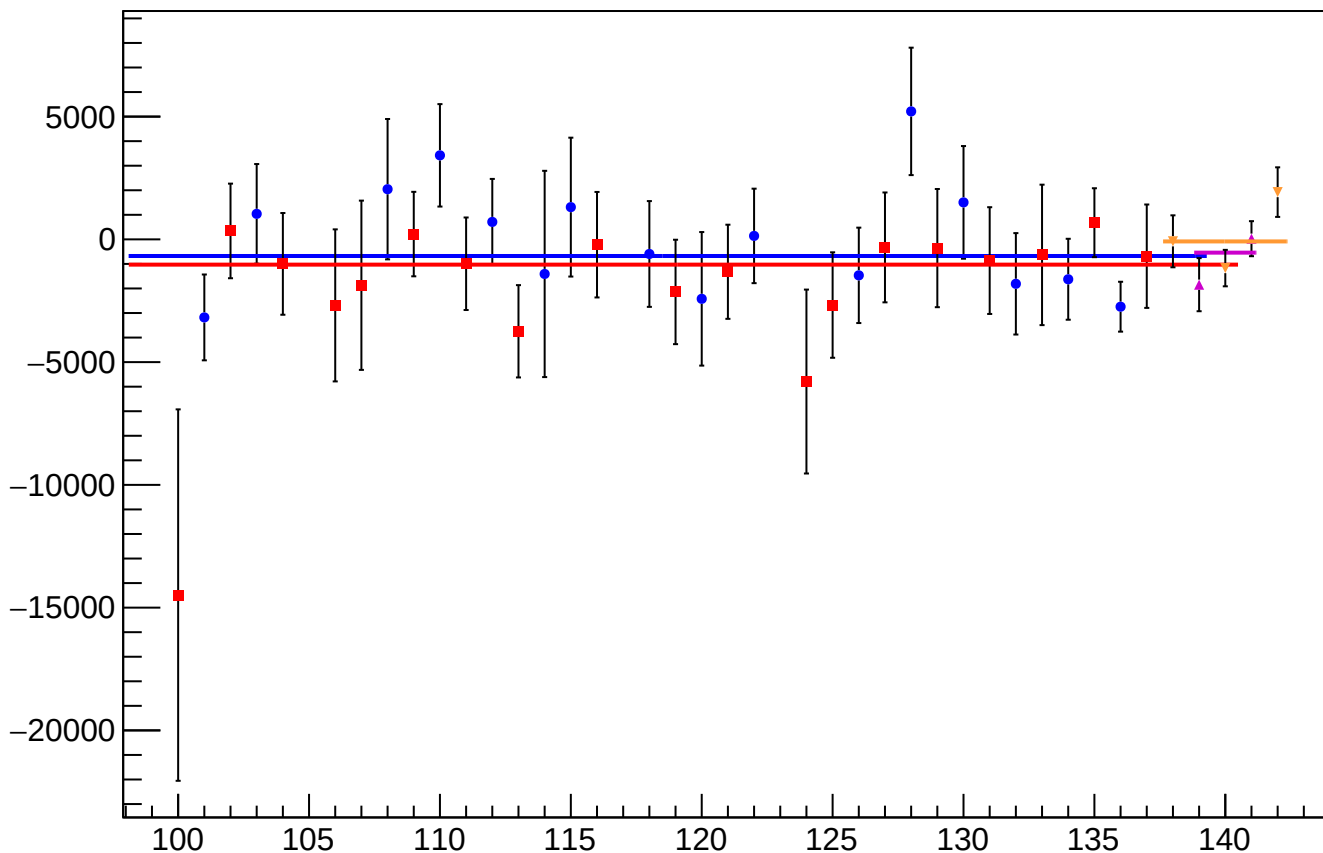
Left In: 82.715+/-0.045 χ^2 /NDF: 51421.8/1

+ sign 88.161+/-0.021 χ^2 /NDF: 557233.6/18

All: 89.030+/-0.015 χ^2 /NDF: 1186179.8/39

- sign 89.952+/-0.022 χ^2 /NDF: 625413.3/20

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug



Right In: -677.345+/-486.482 χ^2/NDF : 20.3/15

Left Out: -83.937+/-520.577 χ^2/NDF : 6.1/2

Right Out: -1029.395+/-497.018 χ^2/NDF : 11.0/18

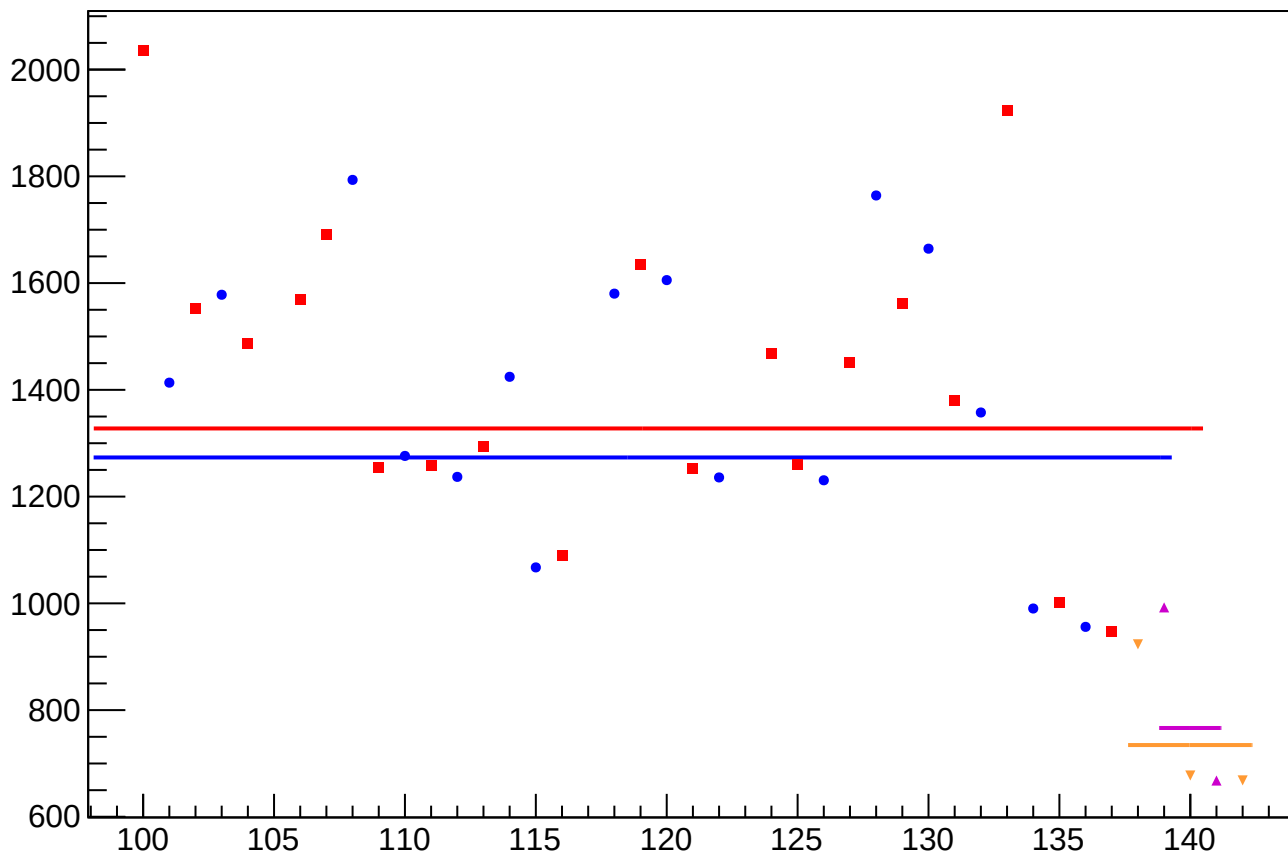
Left In: -540.885+/-595.635 χ^2/NDF : 2.1/1

+ sign -400.709+/-355.437 χ^2/NDF : 27.1/18

All: -599.605+/-260.094 χ^2/NDF : 41.2/39

- sign -828.874+/-381.613 χ^2/NDF : 13.5/20

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF : 597547.8/15

Left Out: 734.545+/-0.368 χ^2/NDF : 84017.3/2

Right Out: 1327.661+/-0.351 χ^2/NDF : 458481.2/18

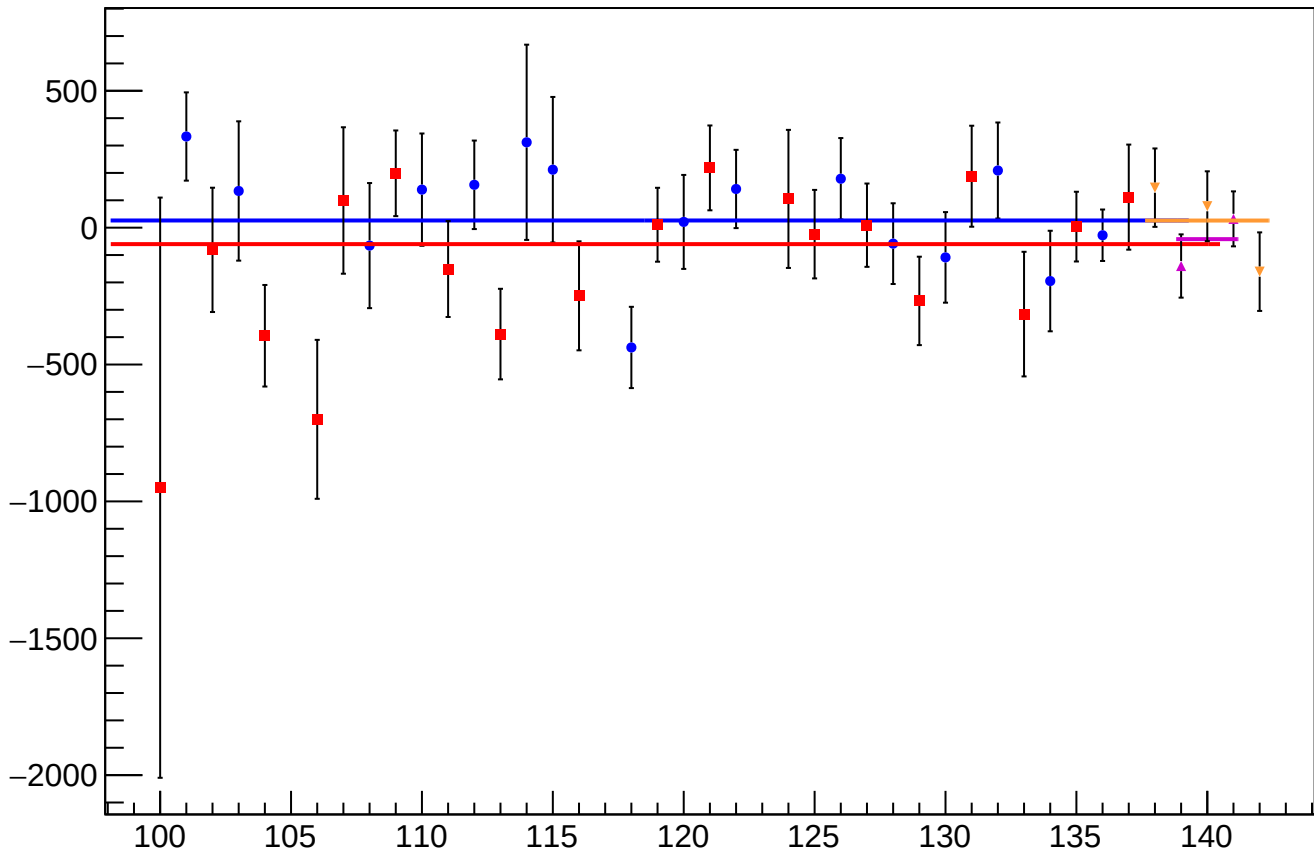
Left In: 766.514+/-0.421 χ^2/NDF : 125383.7/1

+ sign 1022.157+/-0.251 χ^2/NDF : 1825178.0/18

All: 1057.074+/-0.184 χ^2/NDF : 3497061.3/39

- sign 1097.324+/-0.270 χ^2/NDF : 1630332.9/20

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251 $\pm$ 41.220 χ^2 /NDF: 21.4/15

Left Out: 26.026 $\pm$ 79.360 χ^2 /NDF: 2.6/2

Right Out: -60.119 $\pm$ 41.528 χ^2 /NDF: 27.0/18

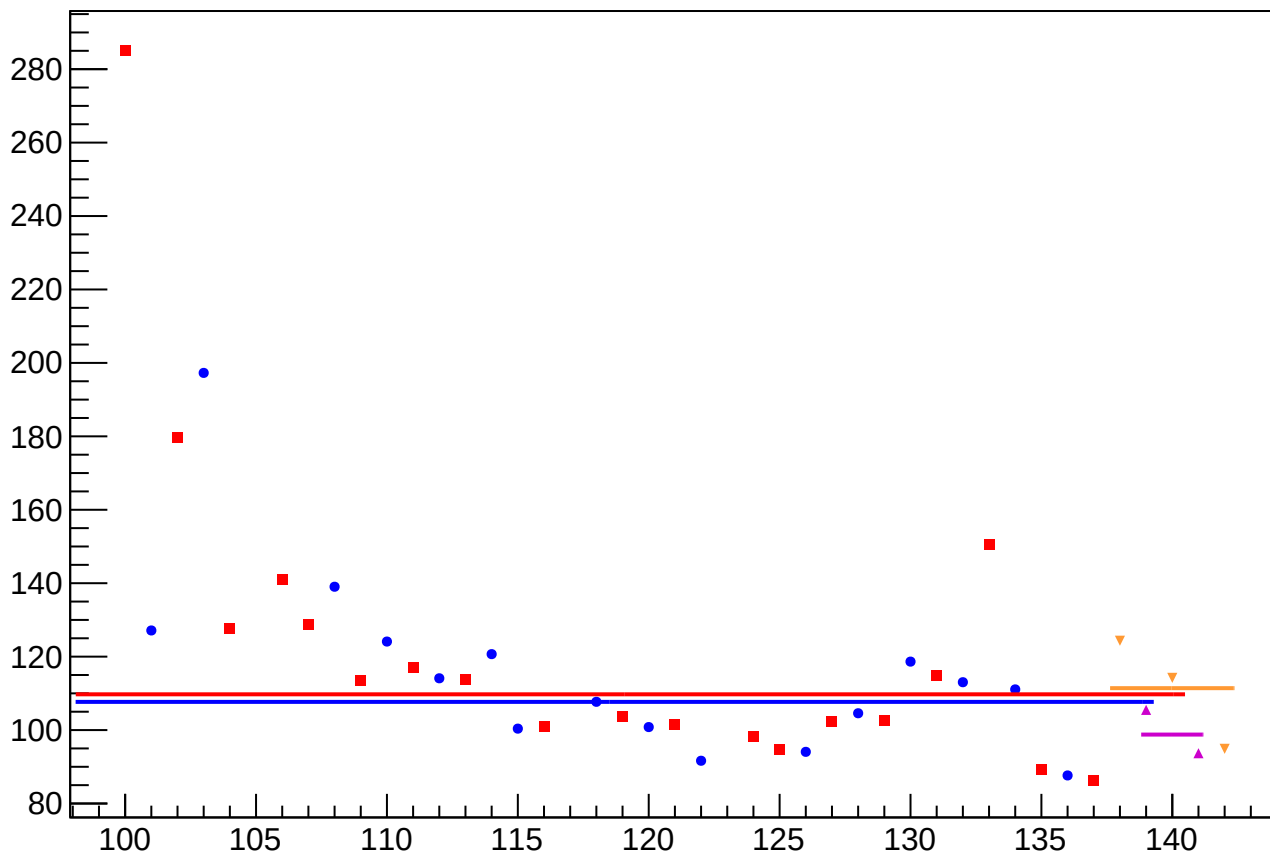
Left In: -41.928 $\pm$ 75.806 χ^2 /NDF: 1.3/1

+ sign 26.203 $\pm$ 36.580 χ^2 /NDF: 23.9/18

All: -15.037 $\pm$ 25.809 χ^2 /NDF: 54.8/39

- sign -55.920 $\pm$ 36.421 χ^2 /NDF: 28.3/20

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680 $\pm$ 0.029 χ^2 /NDF: 483125.6/15

Left Out: 111.413 $\pm$ 0.056 χ^2 /NDF: 43753.5/2

Right Out: 109.739 $\pm$ 0.029 χ^2 /NDF: 491787.3/18

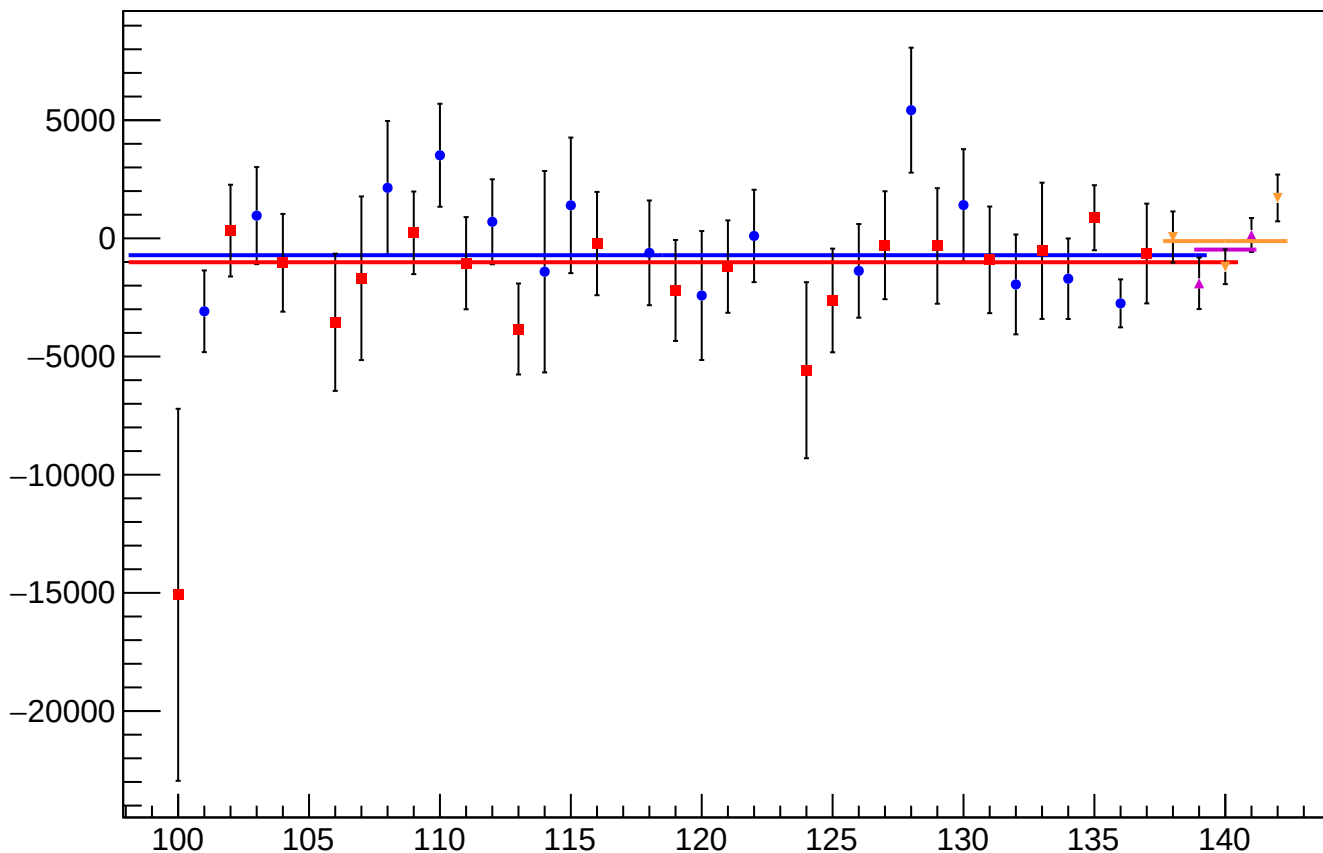
Left In: 98.774 $\pm$ 0.054 χ^2 /NDF: 11892.7/1

+ sign 108.473 $\pm$ 0.026 χ^2 /NDF: 530365.4/18

All: 107.838 $\pm$ 0.018 χ^2 /NDF: 1067431.1/39

- sign 107.208 $\pm$ 0.026 χ^2 /NDF: 535865.1/20

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887 $\pm$ 493.253 χ^2 /NDF: 20.1/15

Left Out: -114.435 $\pm$ 518.324 χ^2 /NDF: 5.6/2

Right Out: -1010.557 $\pm$ 501.374 χ^2 /NDF: 11.8/18

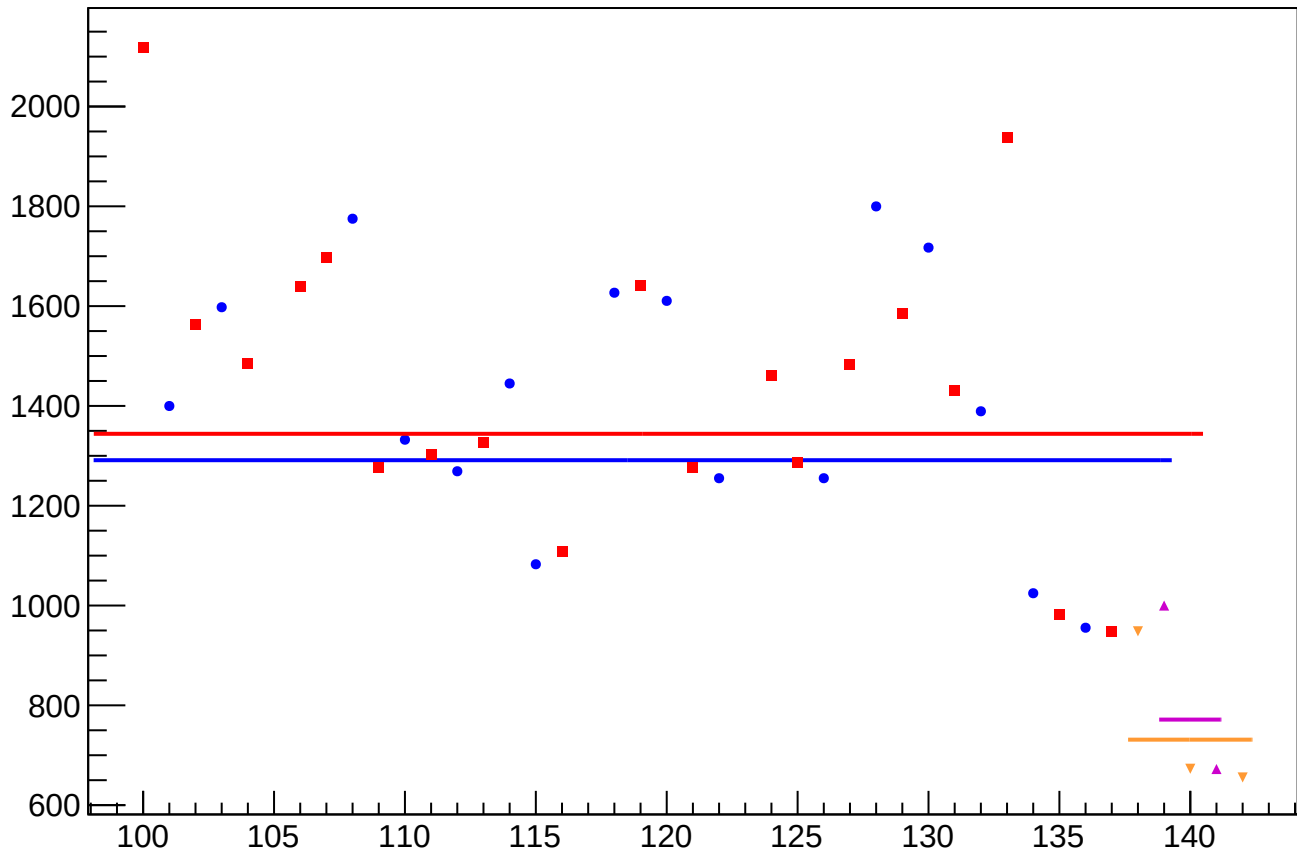
Left In: -475.378 $\pm$ 599.173 χ^2 /NDF: 2.5/1

+ sign -428.484 $\pm$ 357.317 χ^2 /NDF: 26.4/18

All: -596.077 $\pm$ 261.749 χ^2 /NDF: 41.6/39

- sign -790.153 $\pm$ 384.514 χ^2 /NDF: 14.7/20

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF : 610897.3/15

Left Out: 731.217+/-0.367 χ^2/NDF : 104659.8/2

Right Out: 1344.118+/-0.355 χ^2/NDF : 490963.7/18

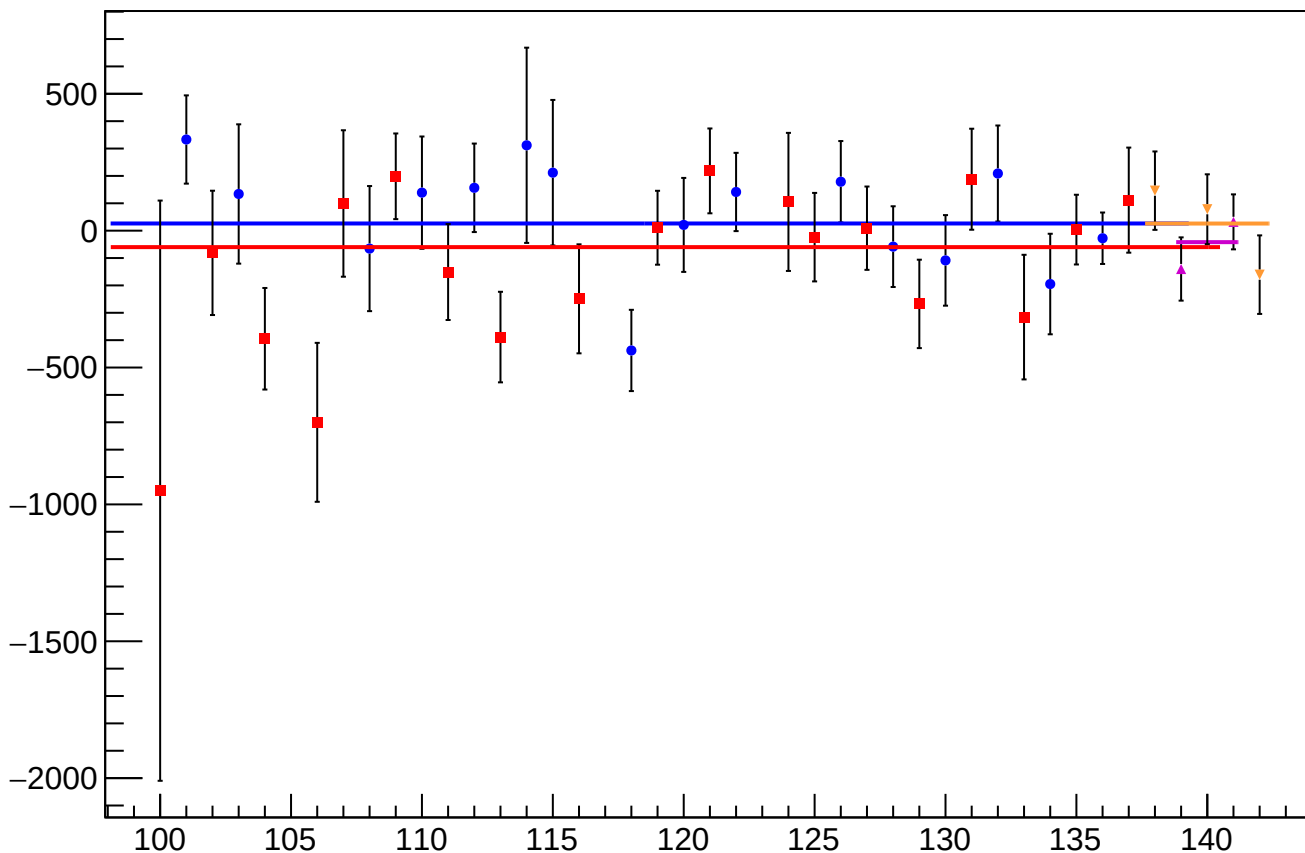
Left In: 771.426+/-0.424 χ^2/NDF : 126079.4/1

+ sign 1025.091+/-0.253 χ^2/NDF : 1940681.2/18

All: 1063.633+/-0.185 χ^2/NDF : 3682594.6/39

- sign 1108.265+/-0.272 χ^2/NDF : 1691697.5/20

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252 ± 41.219 χ^2/NDF : 21.4/15

Left Out: 26.026 ± 79.360 χ^2/NDF : 2.6/2

Right Out: -60.117 ± 41.528 χ^2/NDF : 27.0/18

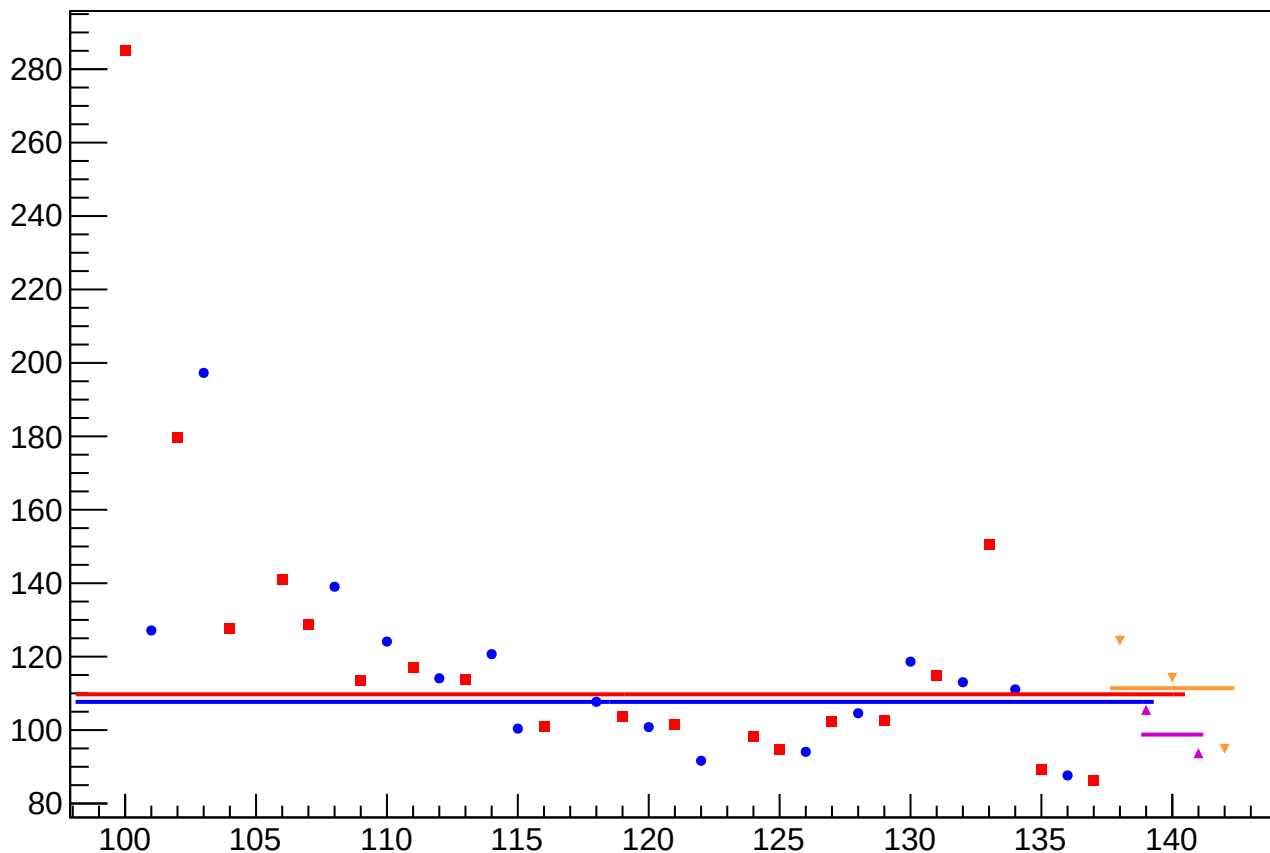
Left In: -41.927 ± 75.806 χ^2/NDF : 1.3/1

+ sign 26.204 ± 36.579 χ^2/NDF : 23.9/18

All: -15.036 ± 25.809 χ^2/NDF : 54.8/39

- sign -55.918 ± 36.421 χ^2/NDF : 28.3/20

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679 $\pm$ 0.029 χ^2 /NDF: 483112.2/15

Left Out: 111.413 $\pm$ 0.056 χ^2 /NDF:43751.8/2

Right Out: 109.739 $\pm$ 0.029 χ^2 /NDF: 491784.5/18

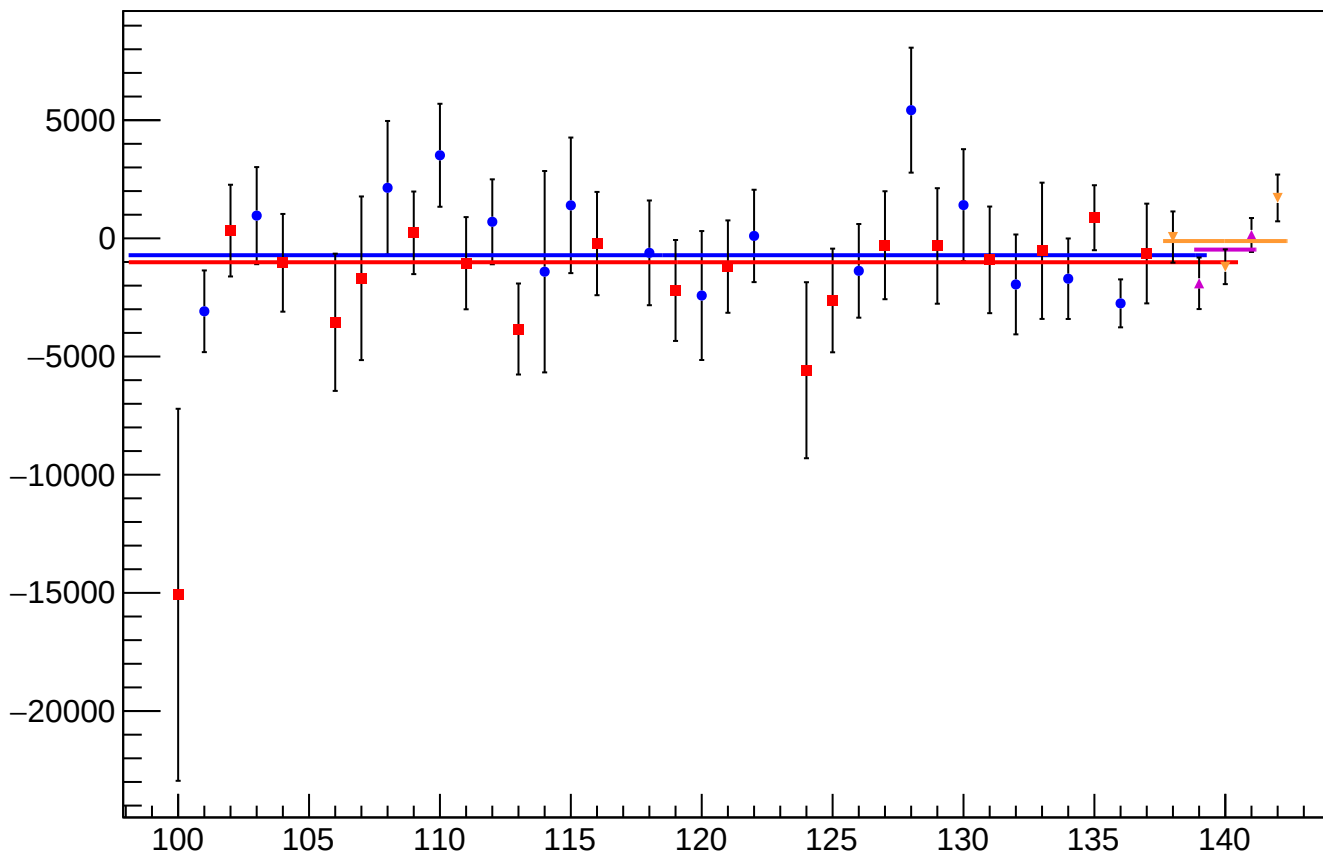
Left In: 98.774 $\pm$ 0.054 χ^2 /NDF:11891.9/1

+ sign 108.472 $\pm$ 0.026 χ^2 /NDF: 530351.6/18

All: 107.837 $\pm$ 0.018 χ^2 /NDF: 1067409.5/39

- sign 107.208 $\pm$ 0.026 χ^2 /NDF: 535857.6/20

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug



Right In: -712.881+/-493.252 χ^2/NDF : 20.1/15

Left Out: -114.439+/-518.323 χ^2/NDF : 5.6/2

Right Out: -1010.556+/-501.373 χ^2/NDF : 11.8/18

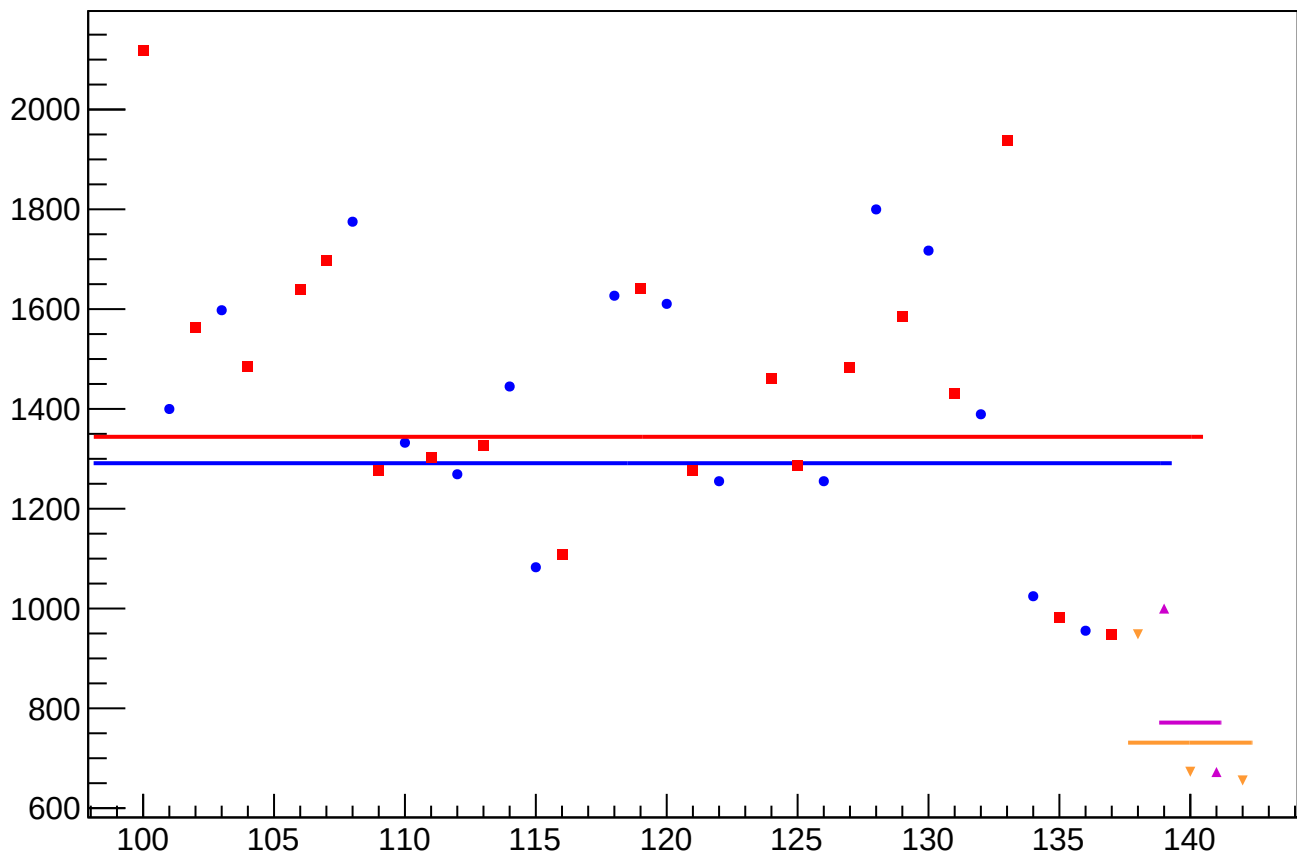
Left In: -475.379+/-599.171 χ^2/NDF : 2.5/1

+ sign -428.484+/-357.316 χ^2/NDF : 26.4/18

All: -596.076+/-261.748 χ^2/NDF : 41.6/39

- sign -790.153+/-384.513 χ^2/NDF : 14.7/20

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220+/-0.349 χ^2/NDF : 610894.9/15

Left Out: 731.216+/-0.367 χ^2/NDF : 104657.6/2

Right Out: 1344.115+/-0.355 χ^2/NDF : 490963.4/18

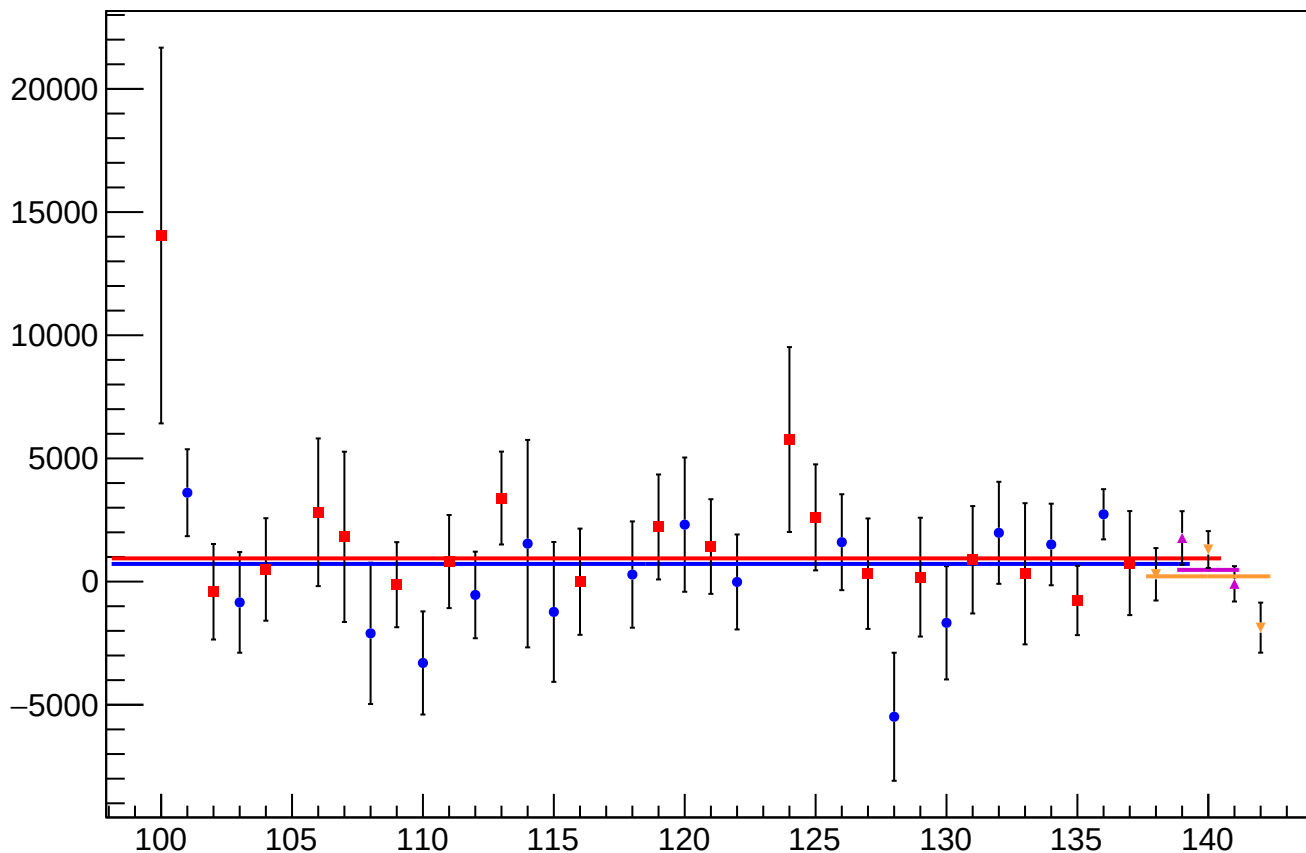
Left In: 771.424+/-0.424 χ^2/NDF : 126079.0/1

+ sign 1025.089+/-0.253 χ^2/NDF : 1940674.3/18

All: 1063.630+/-0.185 χ^2/NDF : 3682588.3/39

- sign 1108.262+/-0.272 χ^2/NDF : 1691699.1/20

asym_sam_2468_avg_mean vs Slug



Right In: 717.617 $\pm$ 488.239 χ^2 /NDF: 21.0/15

Left Out: 213.862 $\pm$ 524.134 χ^2 /NDF: 6.3/2

Right Out: 942.308 $\pm$ 498.052 χ^2 /NDF: 10.6/18

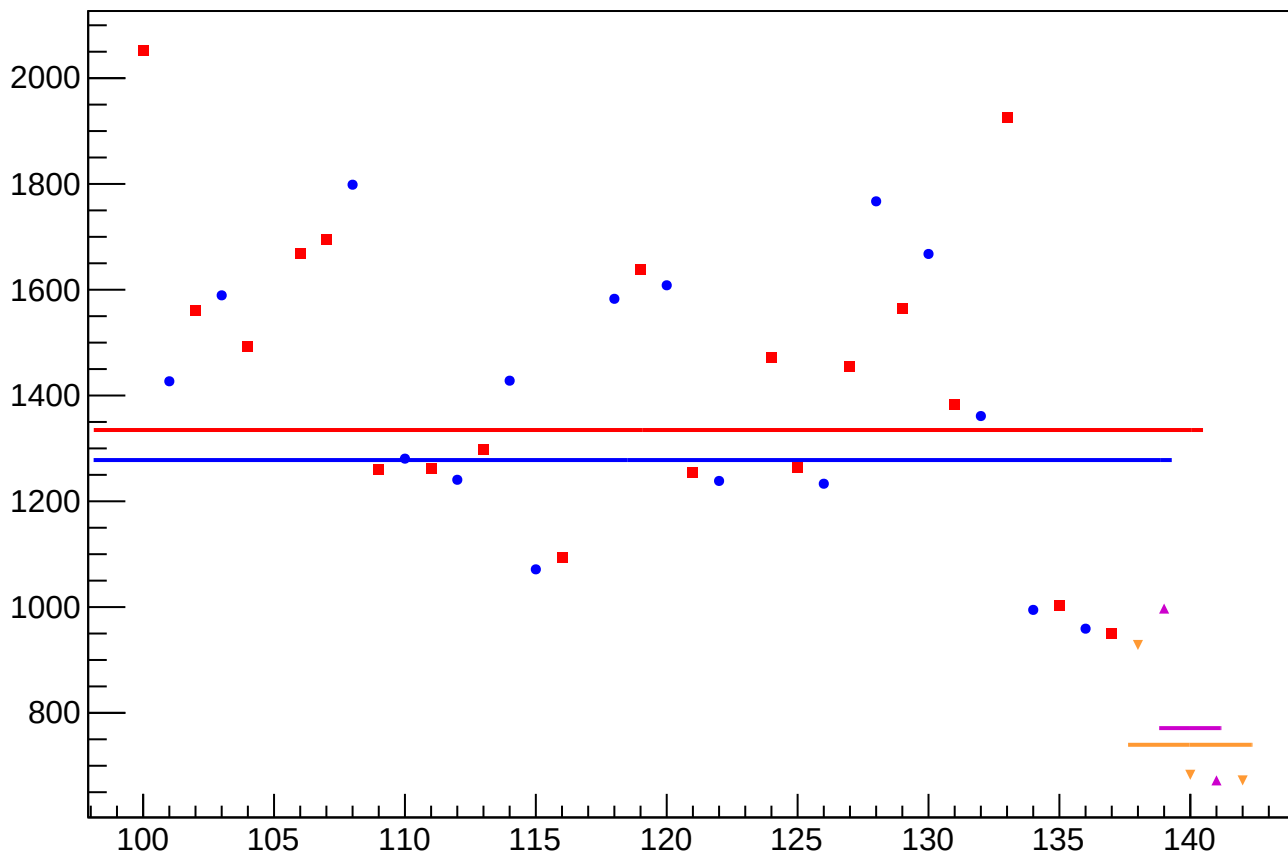
Left In: 475.886 $\pm$ 599.152 χ^2 /NDF: 2.0/1

+ sign 483.578 $\pm$ 357.253 χ^2 /NDF: 27.8/18

All: 608.330 $\pm$ 261.246 χ^2 /NDF: 41.0/39

- sign 751.713 $\pm$ 383.004 χ^2 /NDF: 13.0/20

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF : 597666.8/15

Left Out: 739.652+/-0.371 χ^2/NDF : 83196.9/2

Right Out: 1334.775+/-0.352 χ^2/NDF : 471897.2/18

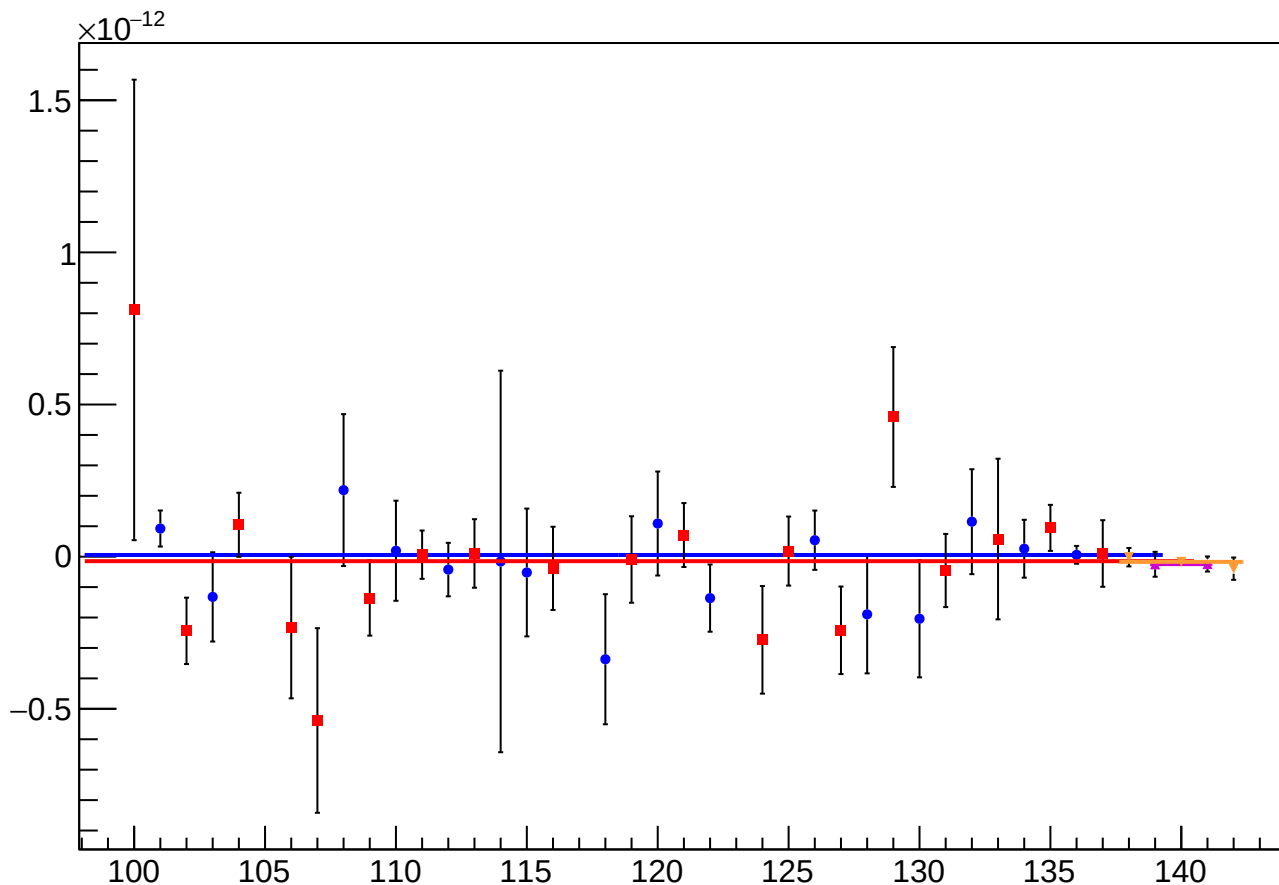
Left In: 771.165+/-0.424 χ^2/NDF : 124419.9/1

+ sign 1027.879+/-0.253 χ^2/NDF : 1810466.2/18

All: 1063.511+/-0.185 χ^2/NDF : 3496126.0/39

- sign 1104.466+/-0.271 χ^2/NDF : 1642895.8/20

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 : 0.6/2

Right Out: -0.000+/-0.000 χ^2/NDF : 23.8/18

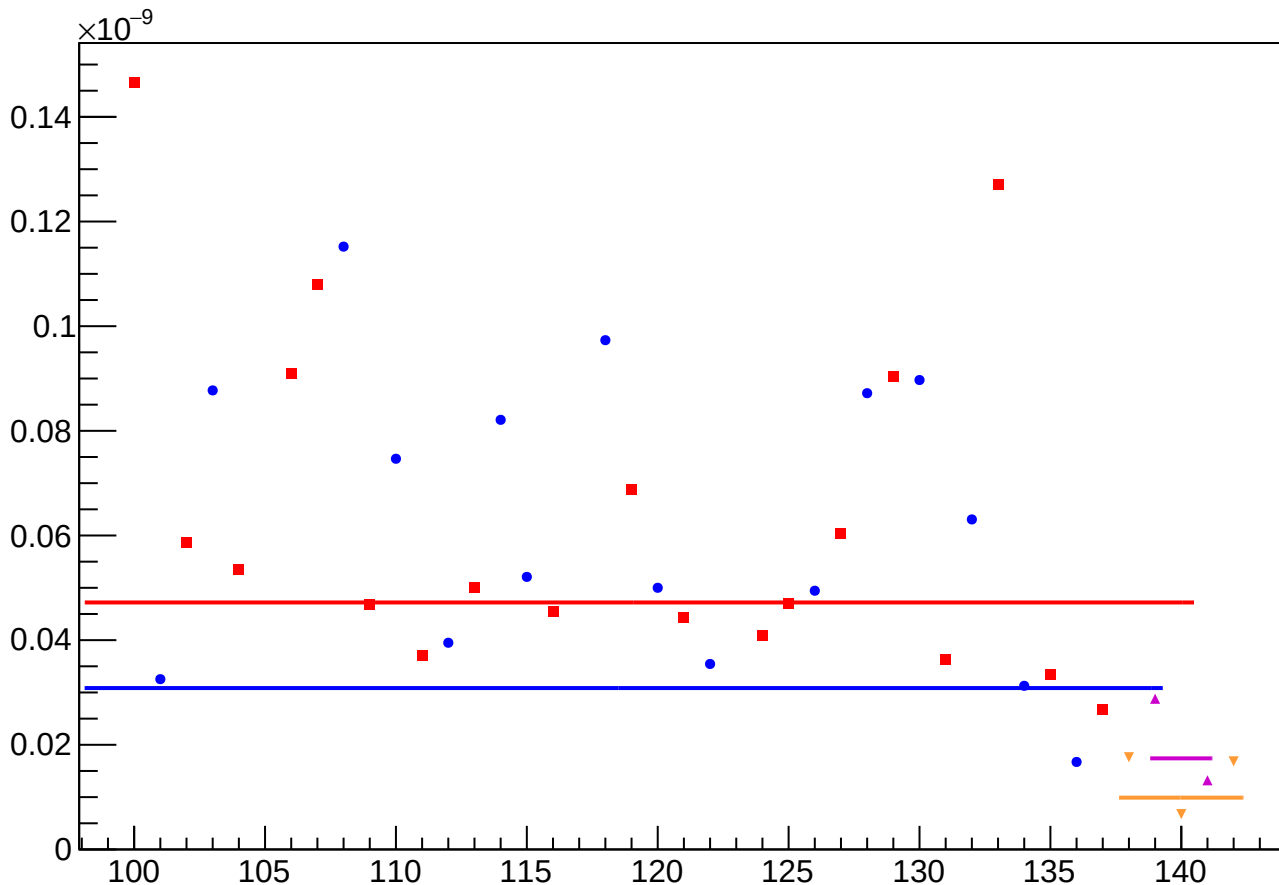
Left In: -0.000+/-0.000 χ^2/NDF : 0.0/1

+ sign -0.000+/-0.000 χ^2/NDF : 13.1/18

All: -0.000+/-0.000 χ^2/NDF : 37.2/39

- sign -0.000+/-0.000 χ^2/NDF : 23.9/20

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 : 287519.5/2

Right Out: 0.000+/-0.000 χ^2/NDF : 722091.3/18

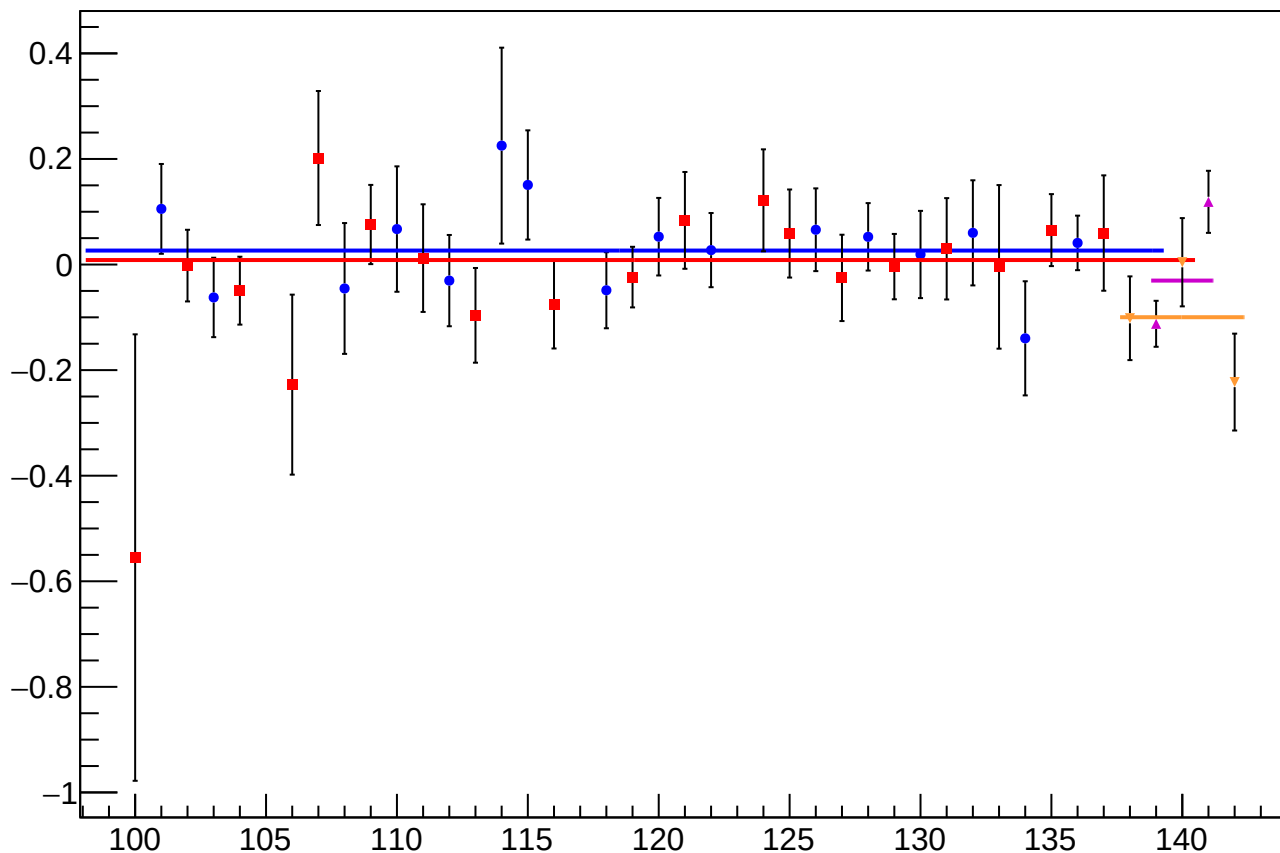
Left In: 0.000+/-0.000 χ^2/NDF : 212234.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 3597579.6/18

All: 0.000+/-0.000 χ^2/NDF : 6709897.2/39

- sign 0.000+/-0.000 χ^2/NDF : 2333276.5/20

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: -0.100 $\pm$ 0.049 χ^2 /NDF: 3.3/2

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

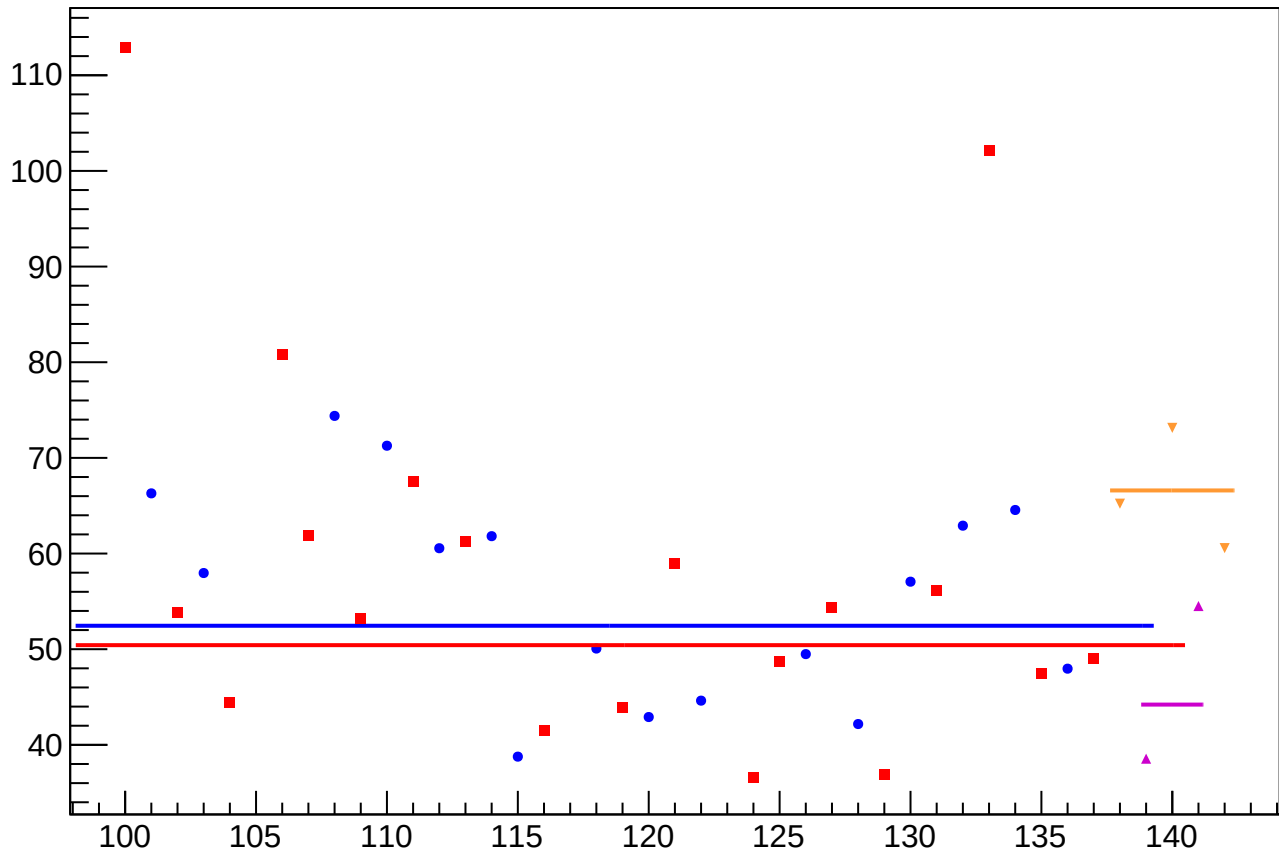
Left In: -0.030 $\pm$ 0.035 χ^2 /NDF: 10.0/1

+ sign 0.008 $\pm$ 0.019 χ^2 /NDF: 19.0/18

All: 0.003 $\pm$ 0.013 χ^2 /NDF: 44.0/39

- sign -0.001 $\pm$ 0.017 χ^2 /NDF: 24.9/20

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451 $\pm$ 0.014 χ^2/NDF : 418014.5/15

Left Out: 66.596 $\pm$ 0.034 χ^2/NDF : 21486.5/2

Right Out: 50.423 $\pm$ 0.014 χ^2/NDF : 676747.2/18

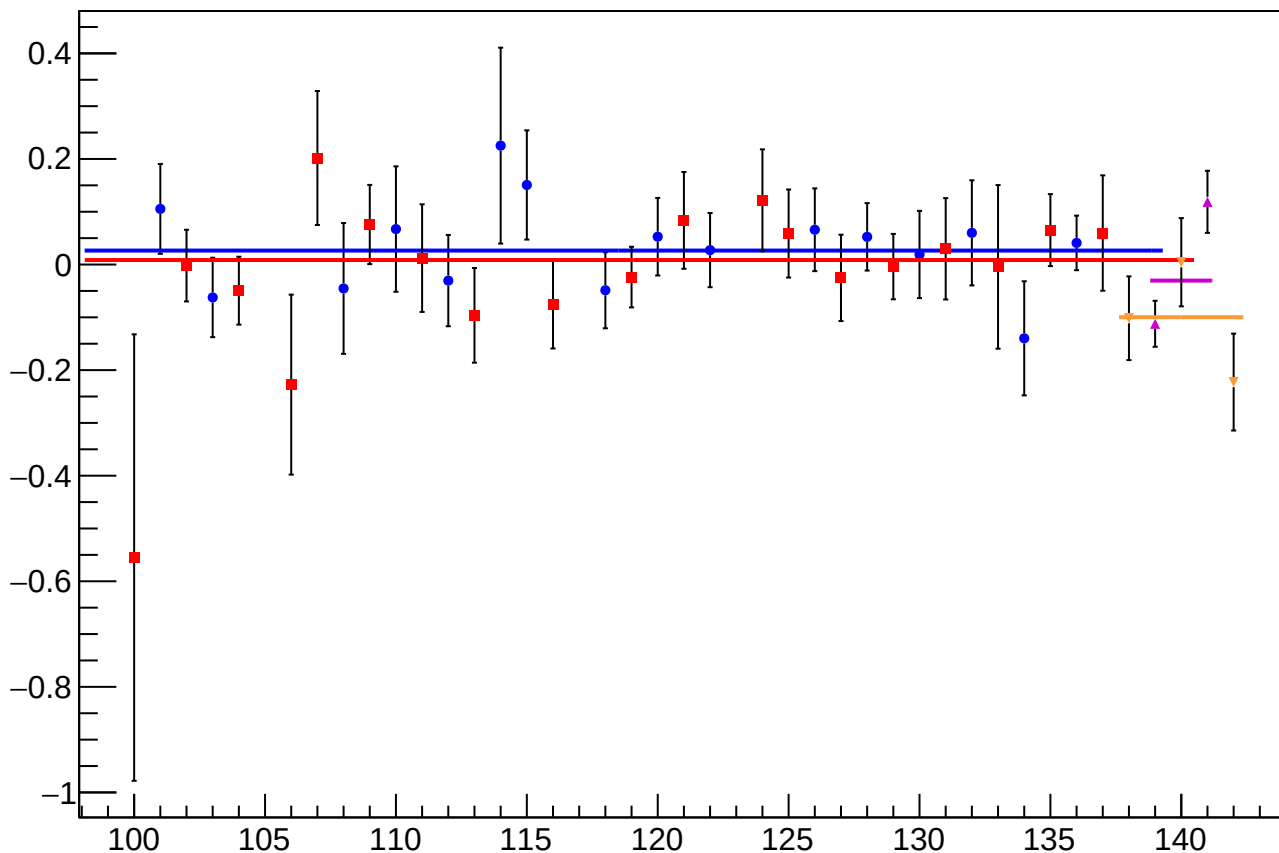
Left In: 44.210 $\pm$ 0.025 χ^2/NDF : 95136.6/1

+ sign 54.559 $\pm$ 0.013 χ^2/NDF : 582826.8/18

All: 51.475 $\pm$ 0.009 χ^2/NDF : 1500469.5/39

- sign 48.953 $\pm$ 0.012 χ^2/NDF : 820019.1/20

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.020 χ^2 /NDF: 9.9/15

Left Out: -0.100 $\pm$ 0.049 χ^2 /NDF: 3.3/2

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

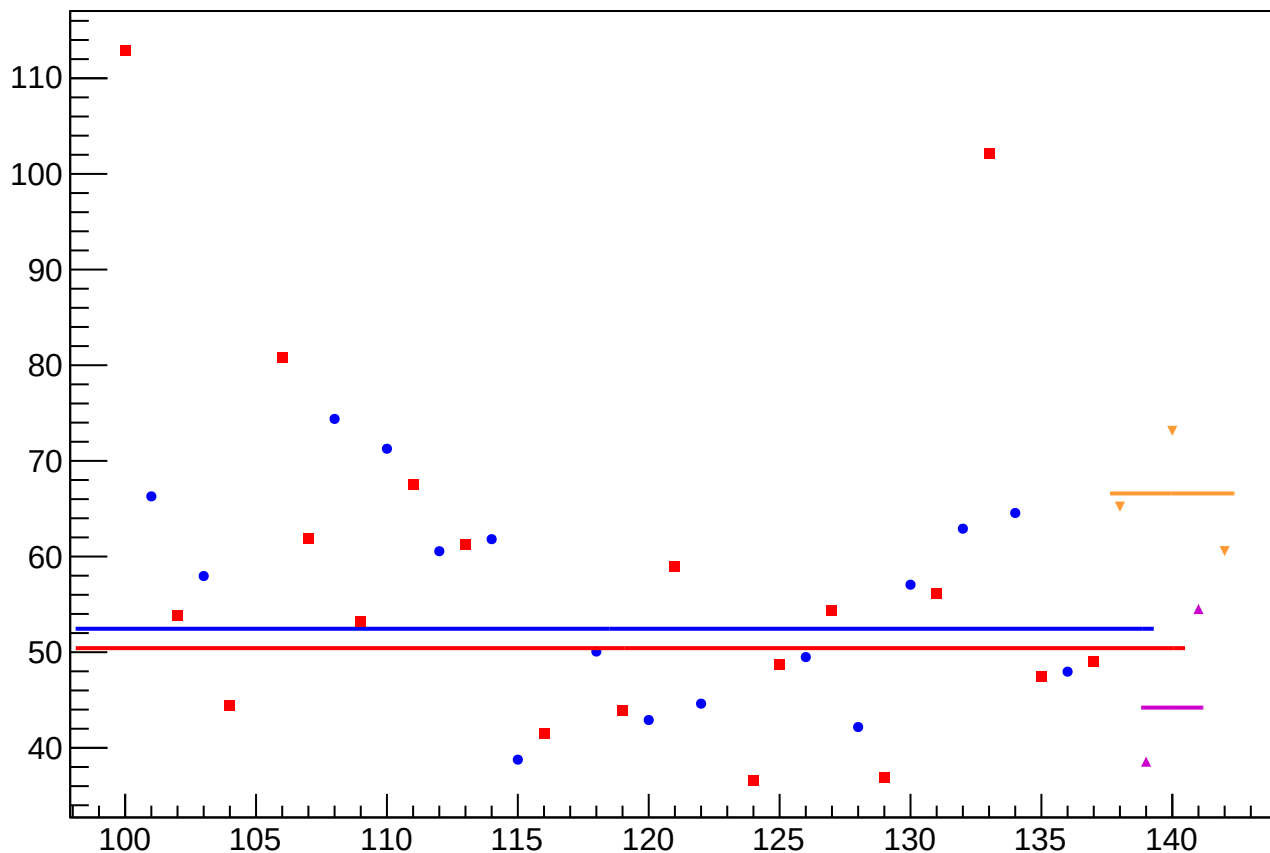
Left In: -0.030 $\pm$ 0.035 χ^2 /NDF: 10.0/1

+ sign 0.008 $\pm$ 0.019 χ^2 /NDF: 19.0/18

All: 0.003 $\pm$ 0.013 χ^2 /NDF: 44.0/39

- sign -0.001 $\pm$ 0.017 χ^2 /NDF: 24.9/20

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: 66.596 $\pm$ 0.034 χ^2/NDF : 21486.5/2

Right Out: 50.423 $\pm$ 0.014 χ^2/NDF : 676747.2/18

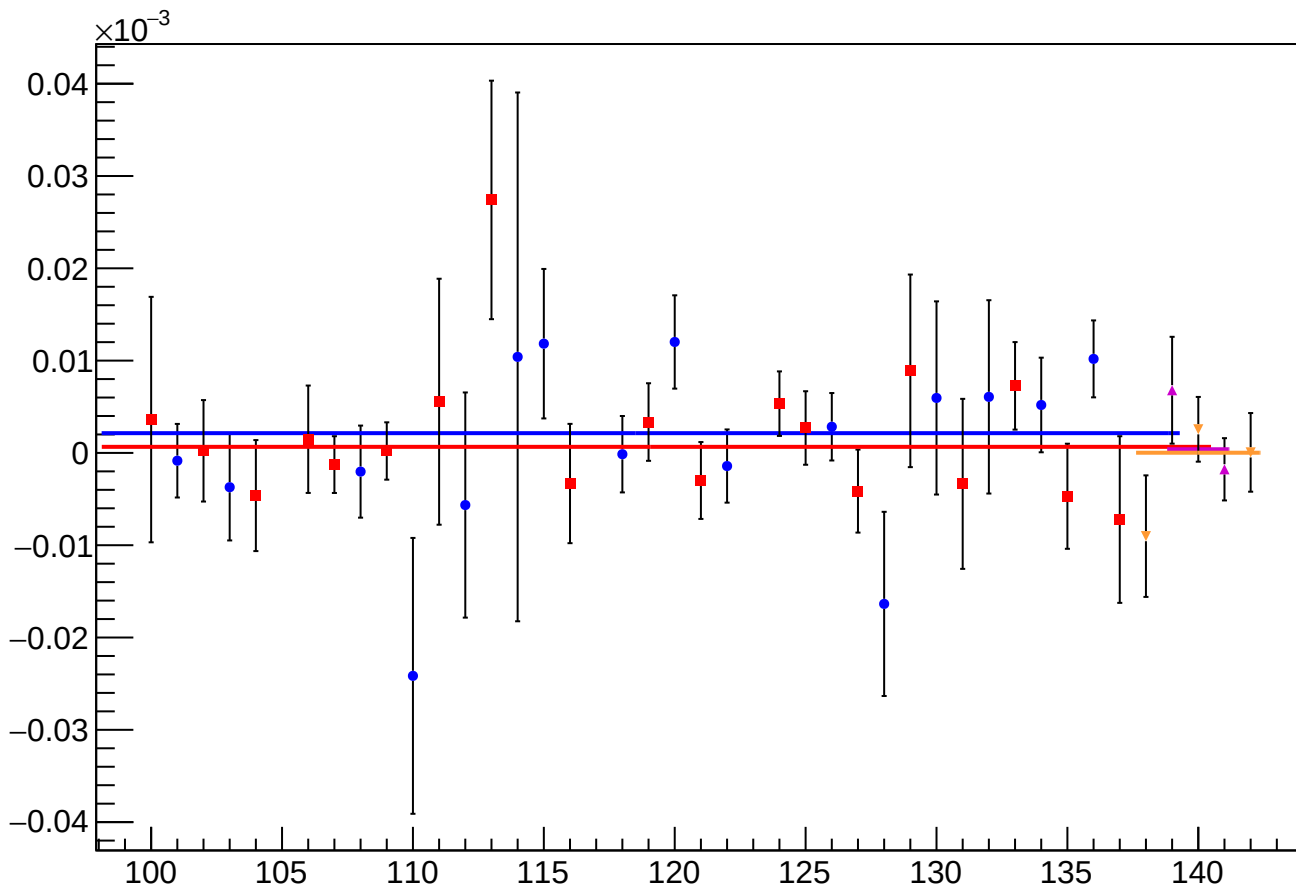
Left In: 44.210 $\pm$ 0.025 χ^2/NDF : 95136.6/1

+ sign 54.559 $\pm$ 0.013 χ^2/NDF : 582826.8/18

All: 51.475 $\pm$ 0.009 χ^2/NDF : 1500469.5/39

- sign 48.953 $\pm$ 0.012 χ^2/NDF : 820019.1/20

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: 2.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

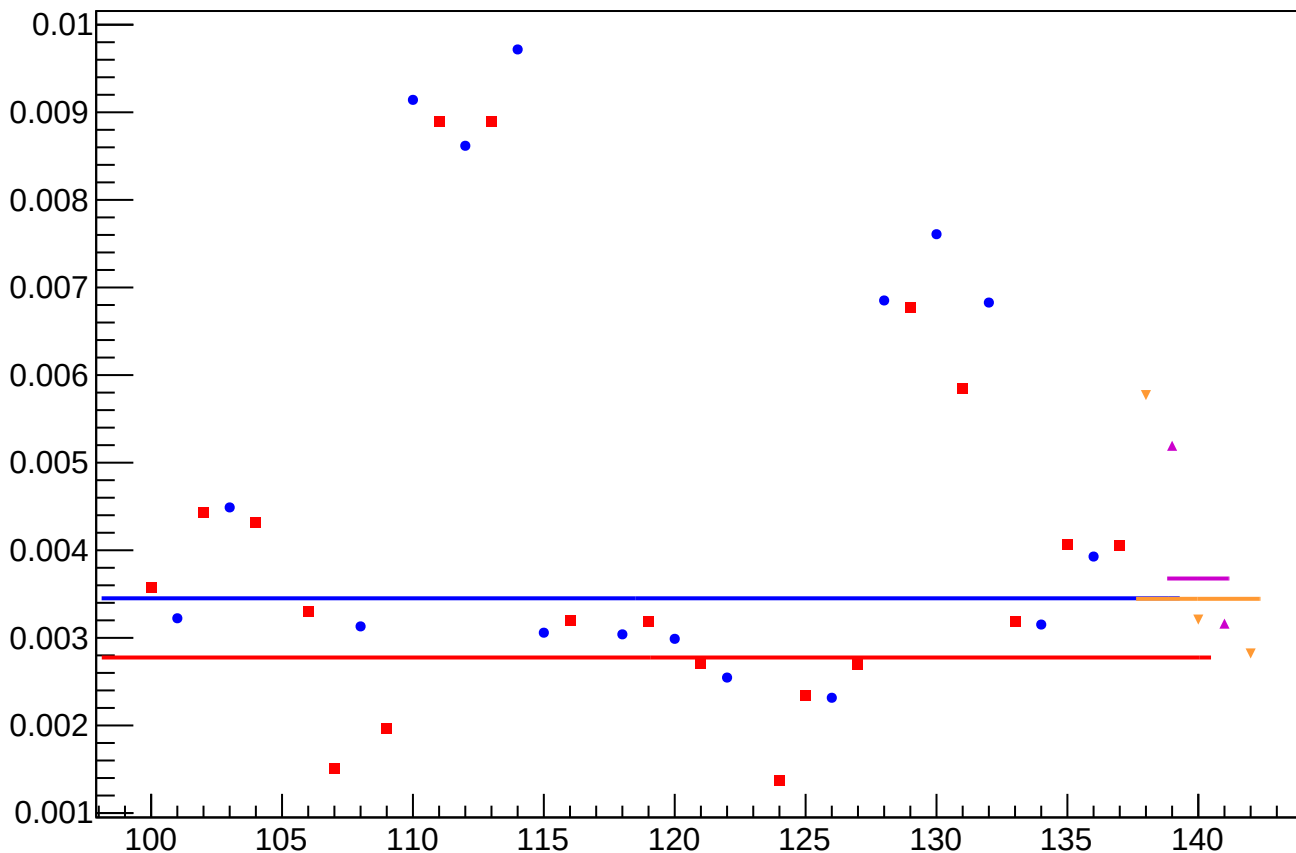
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1.6/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.9/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/20

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: 0.003+/-0.000 χ^2/NDF :301520.4/2

Right Out: 0.003+/-0.000 χ^2/NDF : 2734939.6/18

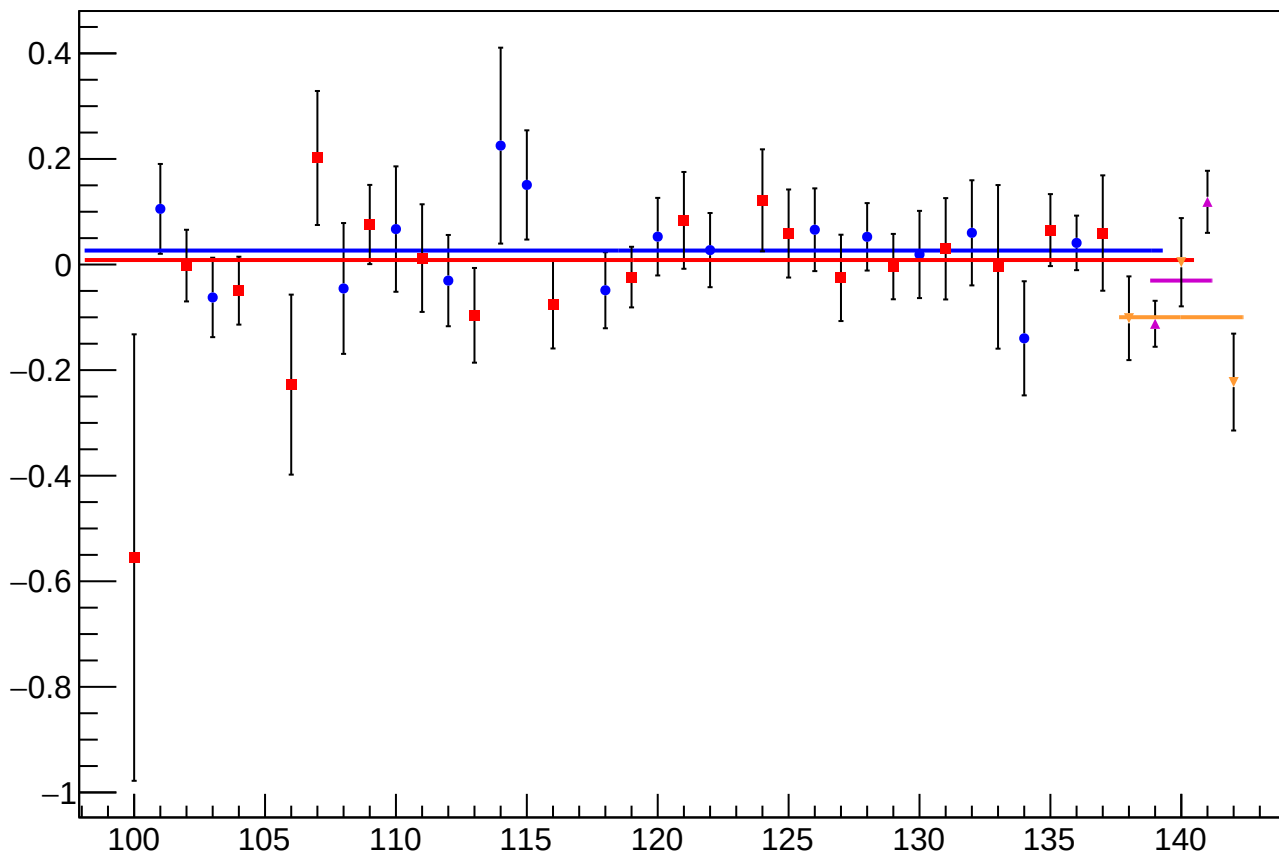
Left In: 0.004+/-0.000 χ^2/NDF :183756.4/1

+ sign 0.003+/-0.000 χ^2/NDF : 2252631.6/18

All: 0.003+/-0.000 χ^2/NDF : 5571491.2/39

- sign 0.003+/-0.000 χ^2/NDF : 3084448.8/20

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: -0.100 $\pm$ 0.049 χ^2 /NDF: 3.3/2

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

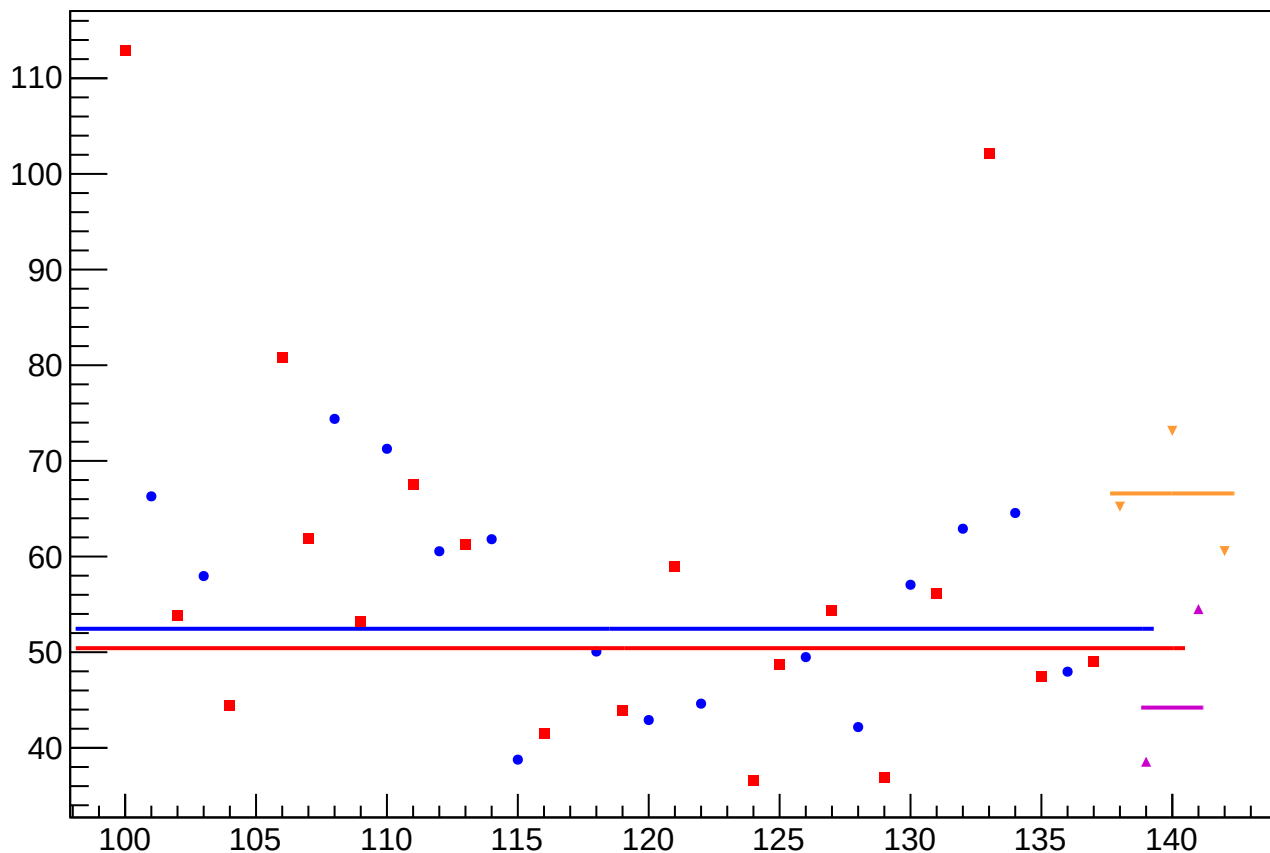
Left In: -0.030 $\pm$ 0.035 χ^2 /NDF: 10.0/1

+ sign 0.008 $\pm$ 0.019 χ^2 /NDF: 19.0/18

All: 0.003 $\pm$ 0.013 χ^2 /NDF: 44.0/39

- sign -0.001 $\pm$ 0.017 χ^2 /NDF: 24.9/20

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: 66.596 $\pm$ 0.034 χ^2/NDF : 21490.1/2

Right Out: 50.422 $\pm$ 0.014 χ^2/NDF : 676753.5/18

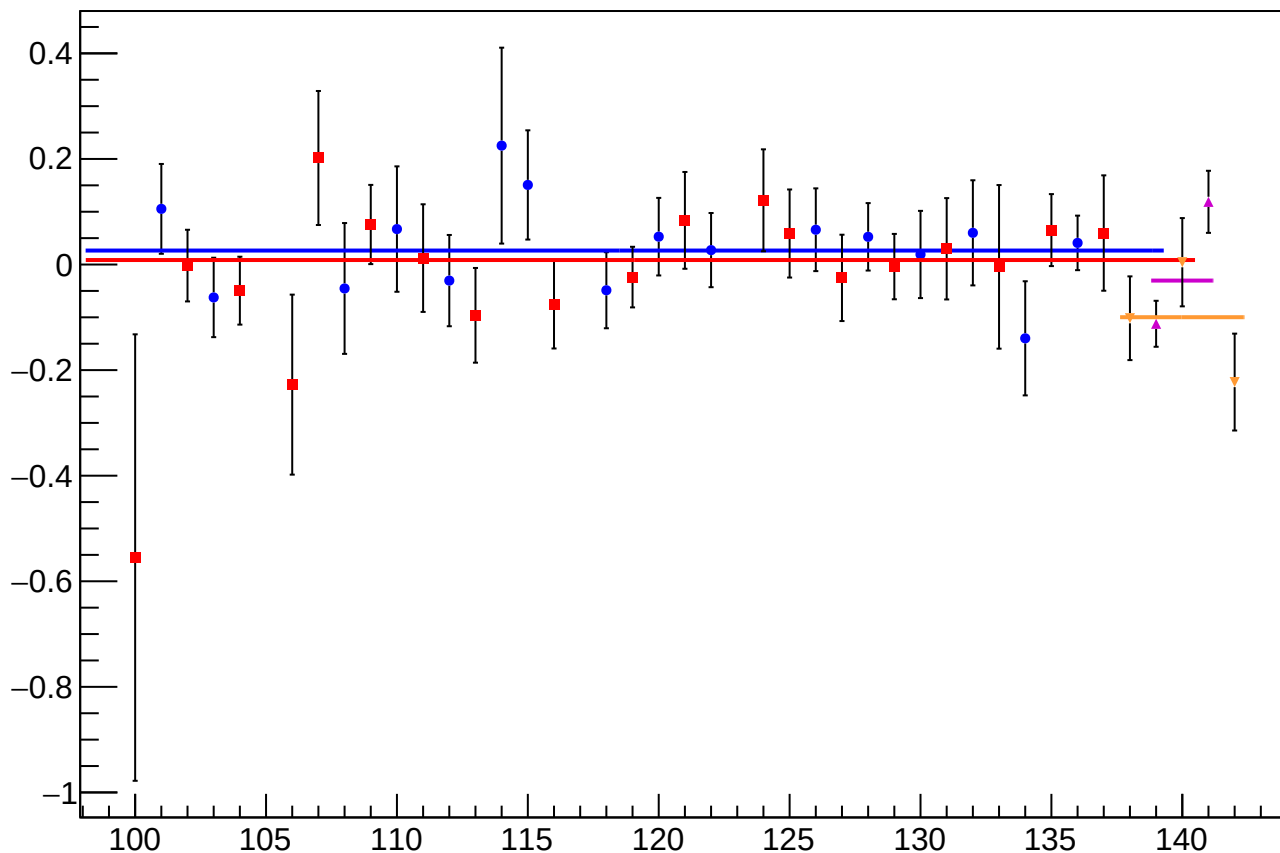
Left In: 44.209 $\pm$ 0.025 χ^2/NDF : 95151.7/1

+ sign 54.558 $\pm$ 0.013 χ^2/NDF : 582798.0/18

All: 51.475 $\pm$ 0.009 χ^2/NDF : 1500454.5/39

- sign 48.952 $\pm$ 0.012 χ^2/NDF : 820034.1/20

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: -0.100 $\pm$ 0.049 χ^2 /NDF: 3.3/2

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

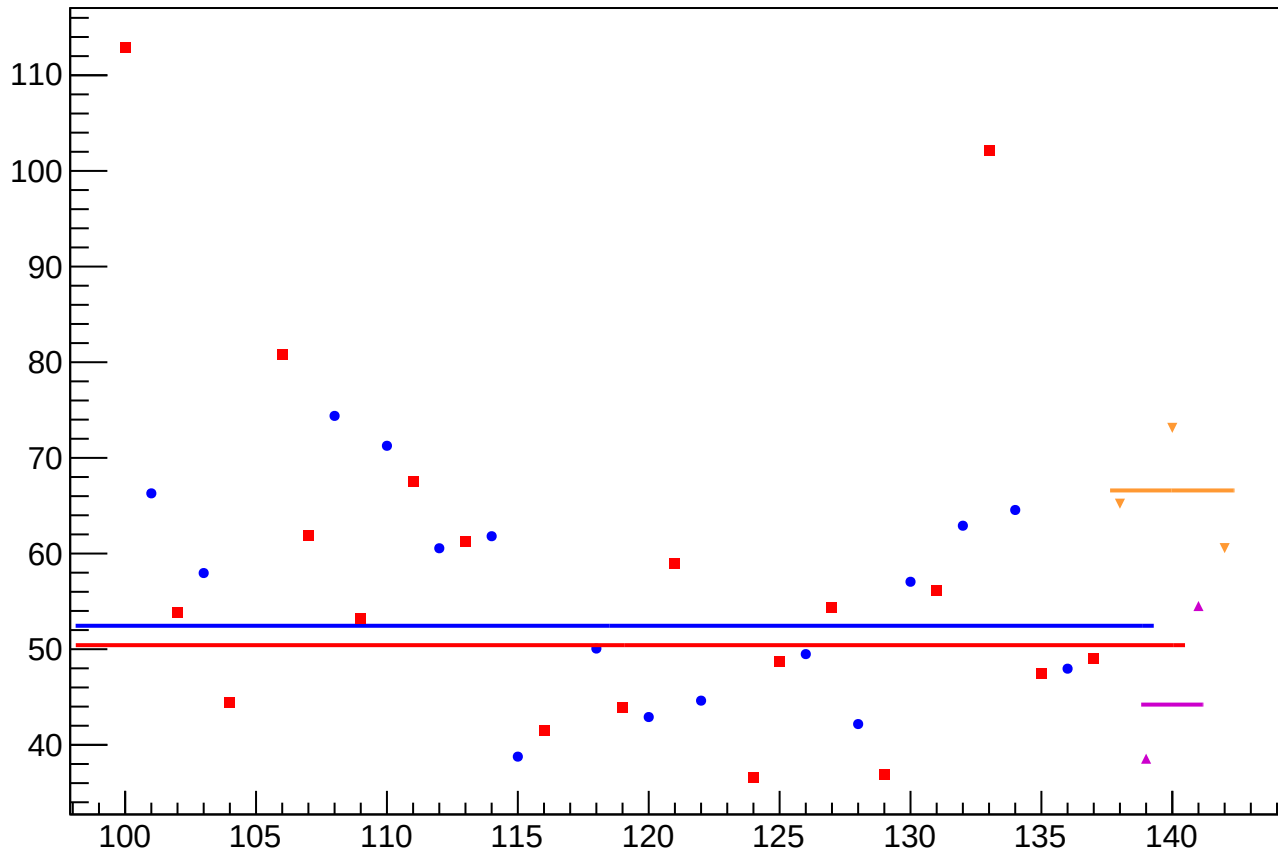
Left In: -0.030 $\pm$ 0.035 χ^2 /NDF: 10.0/1

+ sign 0.008 $\pm$ 0.019 χ^2 /NDF: 19.0/18

All: 0.003 $\pm$ 0.013 χ^2 /NDF: 44.0/39

- sign -0.001 $\pm$ 0.017 χ^2 /NDF: 24.9/20

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.450 $\pm$ 0.014 χ^2 /NDF: 417967.5/15

Left Out: 66.596 $\pm$ 0.034 χ^2 /NDF: 21490.1/2

Right Out: 50.422 $\pm$ 0.014 χ^2 /NDF: 676753.5/18

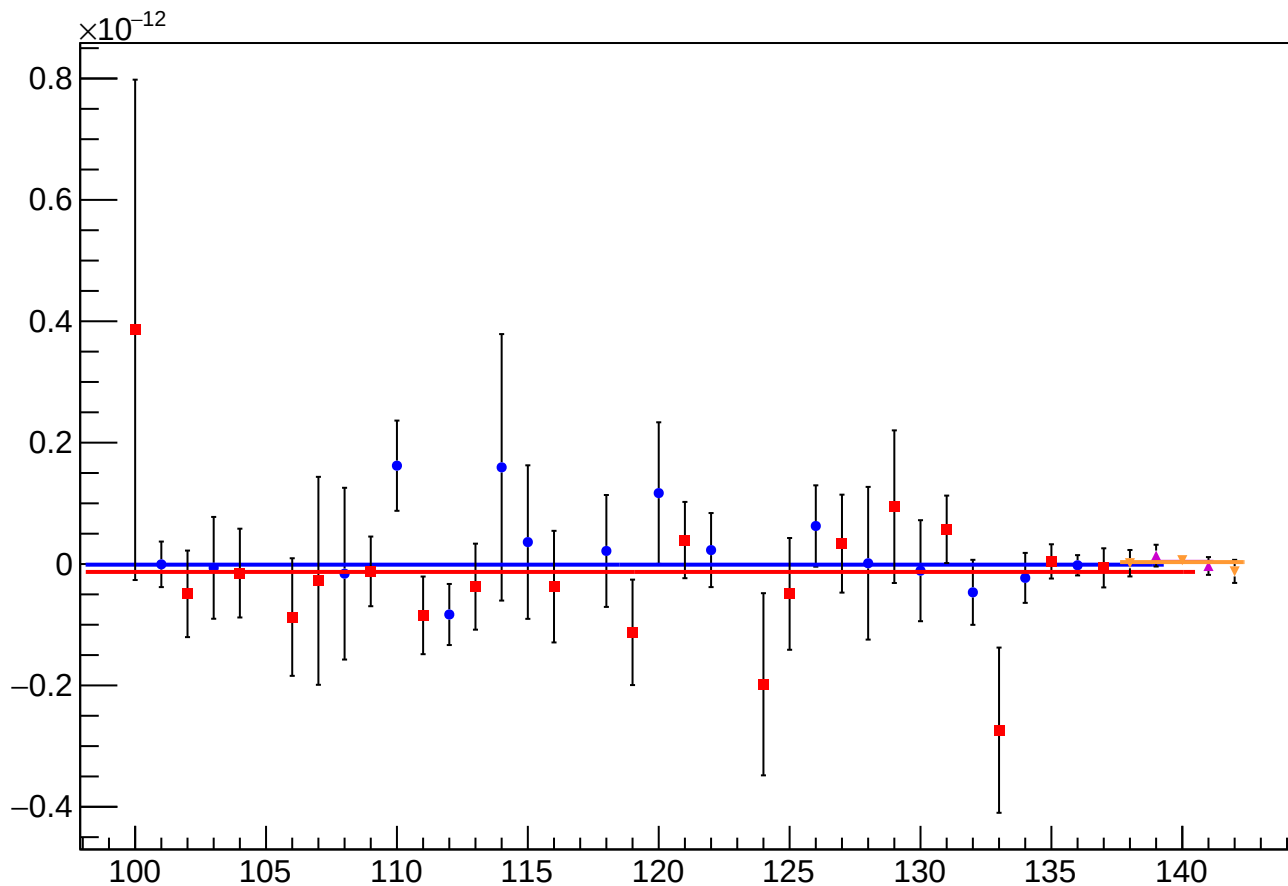
Left In: 44.209 $\pm$ 0.025 χ^2 /NDF: 95151.7/1

+ sign 54.558 $\pm$ 0.013 χ^2 /NDF: 582798.0/18

All: 51.475 $\pm$ 0.009 χ^2 /NDF: 1500454.5/39

- sign 48.952 $\pm$ 0.012 χ^2 /NDF: 820034.1/20

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 : 0.8/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.7/18

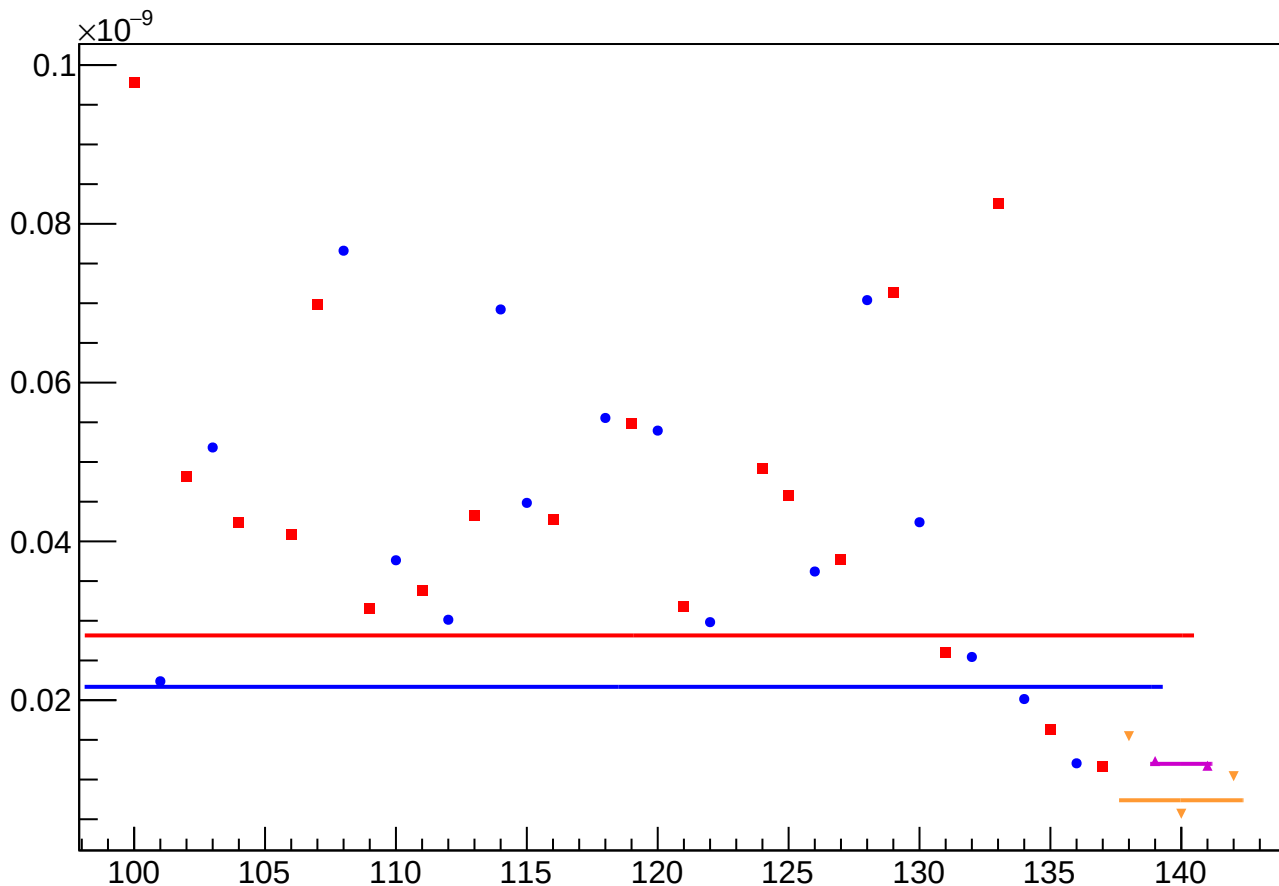
Left In: 0.000 ± 0.000 χ^2/NDF : 0.5/1

+ sign 0.000 ± 0.000 χ^2/NDF : 12.2/18

All: 0.000 ± 0.000 χ^2/NDF : 27.4/39

- sign -0.000 ± 0.000 χ^2/NDF : 15.0/20

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 : 411332.2/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2381736.6/18

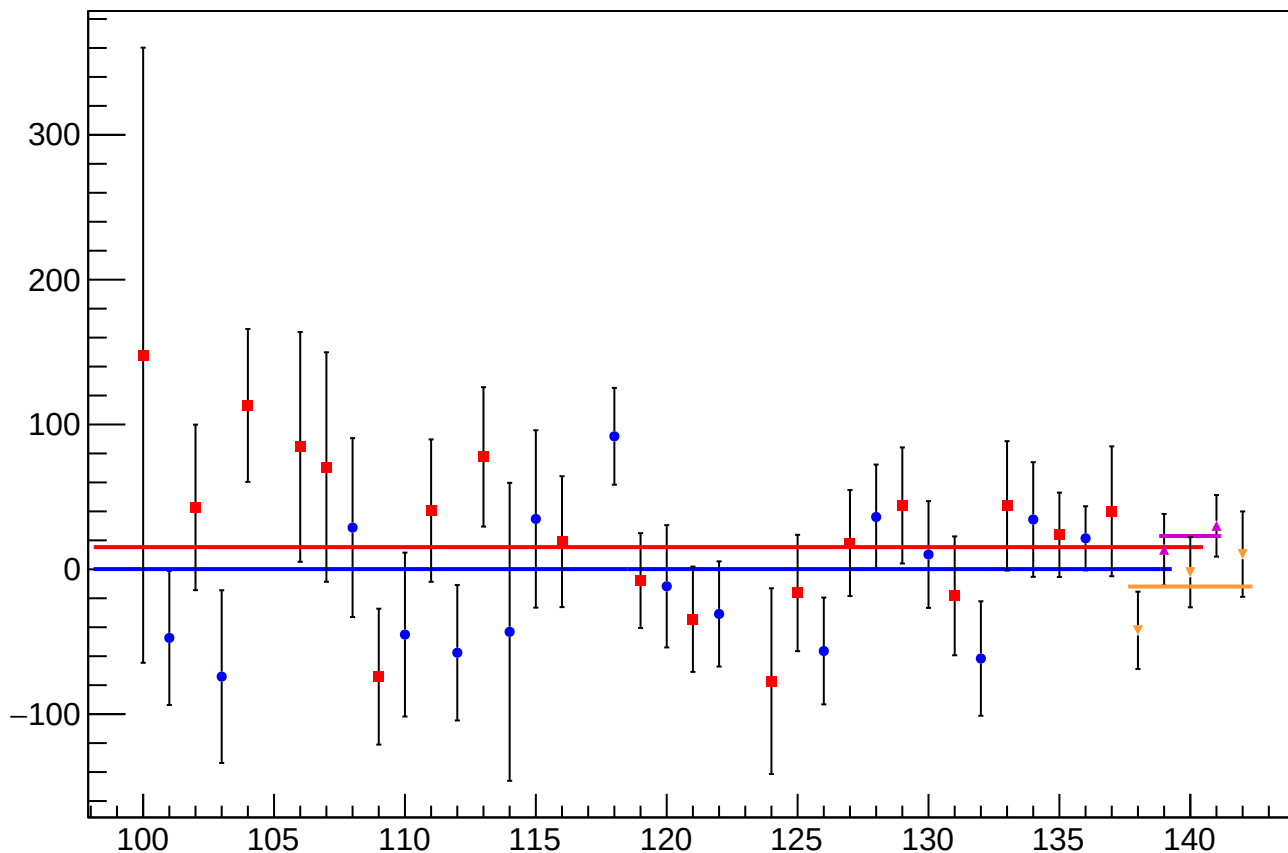
Left In: 0.000+/-0.000 χ^2/NDF : 1294.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 5038659.0/18

All: 0.000+/-0.000 χ^2/NDF : 9804610.0/39

- sign 0.000+/-0.000 χ^2/NDF : 3926396.2/20

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155 ± 10.048 χ^2/NDF : 21.3/15

Left Out: -11.873 ± 15.320 χ^2/NDF : 2.0/2

Right Out: 15.333 ± 10.267 χ^2/NDF : 17.9/18

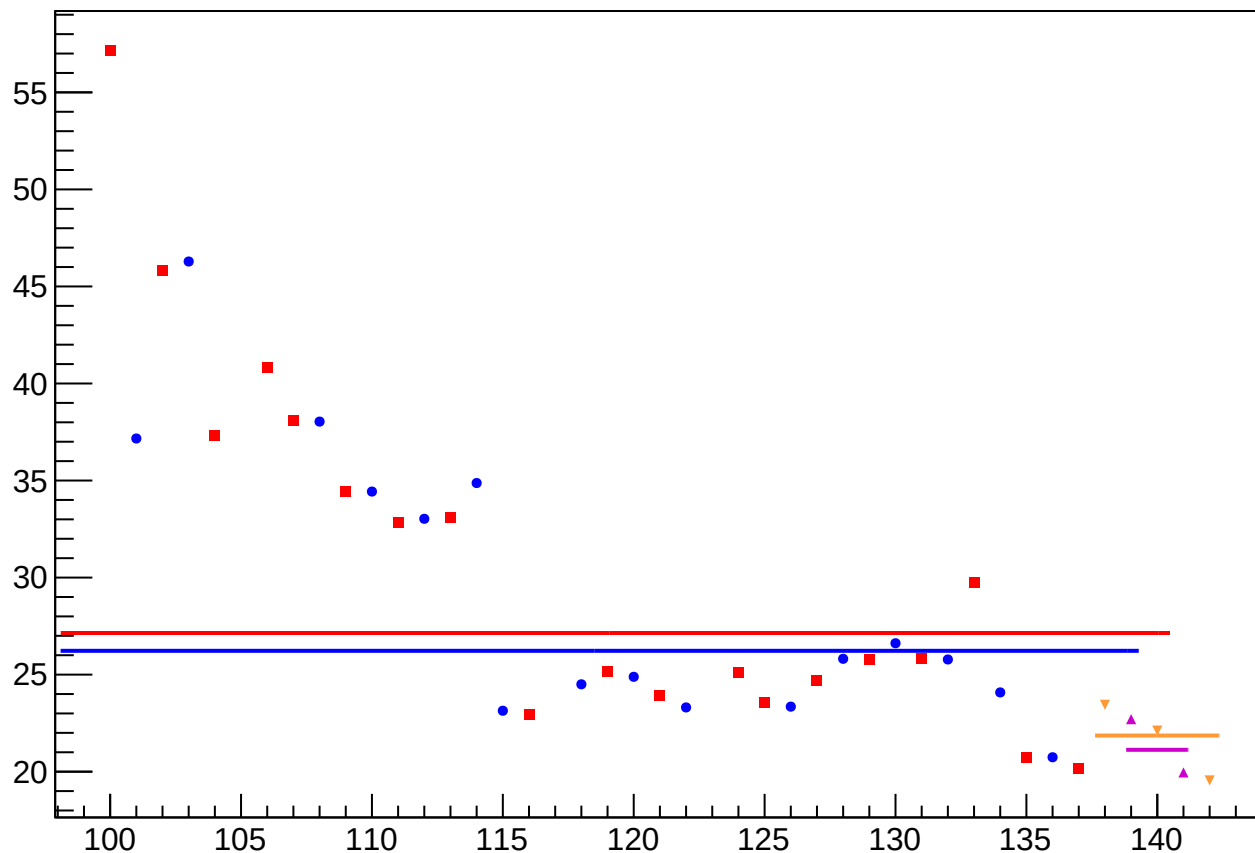
Left In: 23.004 ± 16.124 χ^2/NDF : 0.3/1

+ sign -3.463 ± 8.402 χ^2/NDF : 23.8/18

All: 6.723 ± 6.030 χ^2/NDF : 45.2/39

- sign 17.546 ± 8.660 χ^2/NDF : 18.4/20

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227 $\pm$ 0.007 χ^2 /NDF: 676026.2/15

Left Out: 21.862 $\pm$ 0.011 χ^2 /NDF:19567.2/2

Right Out: 27.145 $\pm$ 0.007 χ^2 /NDF: 755419.8/18

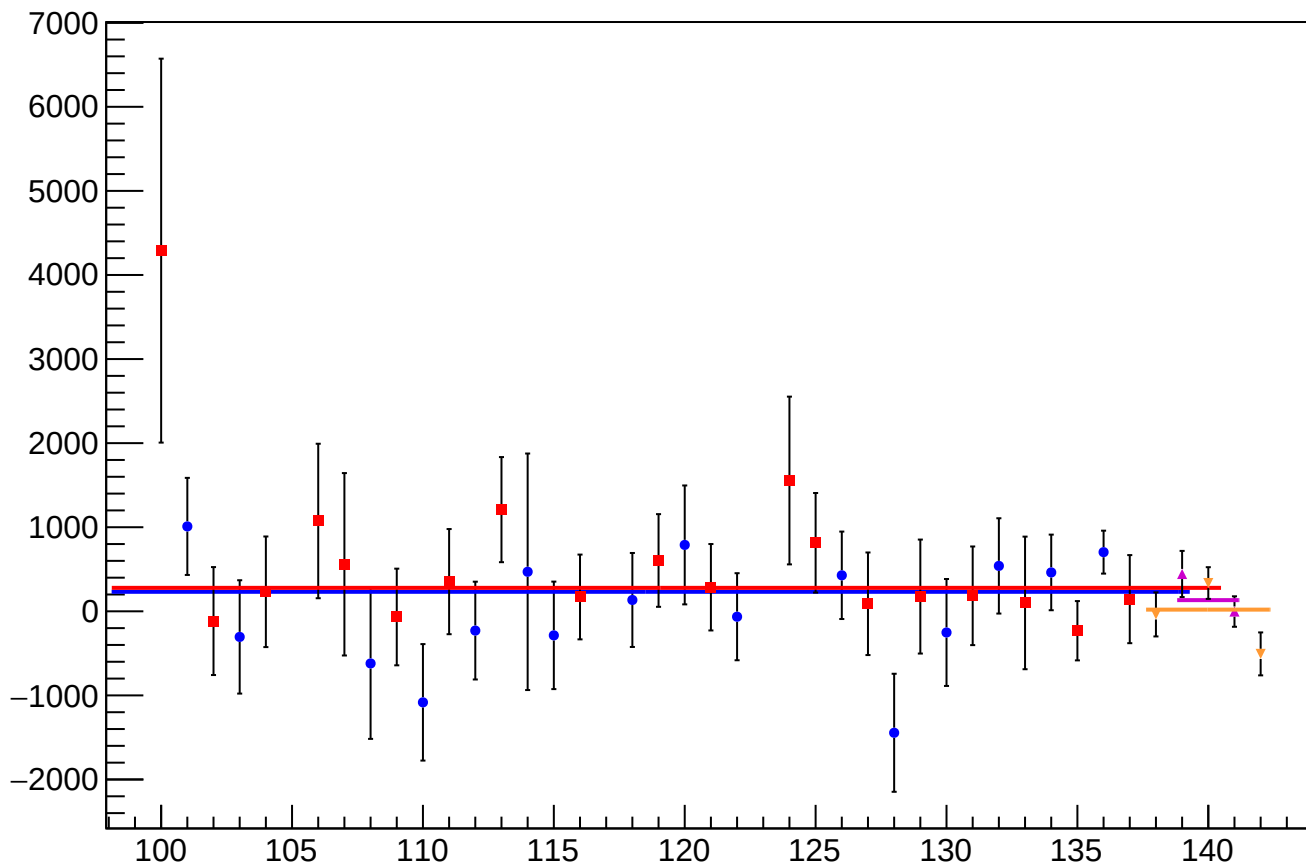
Left In: 21.127 $\pm$ 0.011 χ^2 /NDF:14177.7/1

+ sign 24.914 $\pm$ 0.006 χ^2 /NDF: 809132.9/18

All: 25.154 $\pm$ 0.004 χ^2 /NDF: 1780367.1/39

- sign 25.409 $\pm$ 0.006 χ^2 /NDF: 967867.3/20

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: 20.055 $\pm$ 131.241 χ^2 /NDF: 7.1/2

Right Out: 279.042 $\pm$ 139.965 χ^2 /NDF: 12.1/18

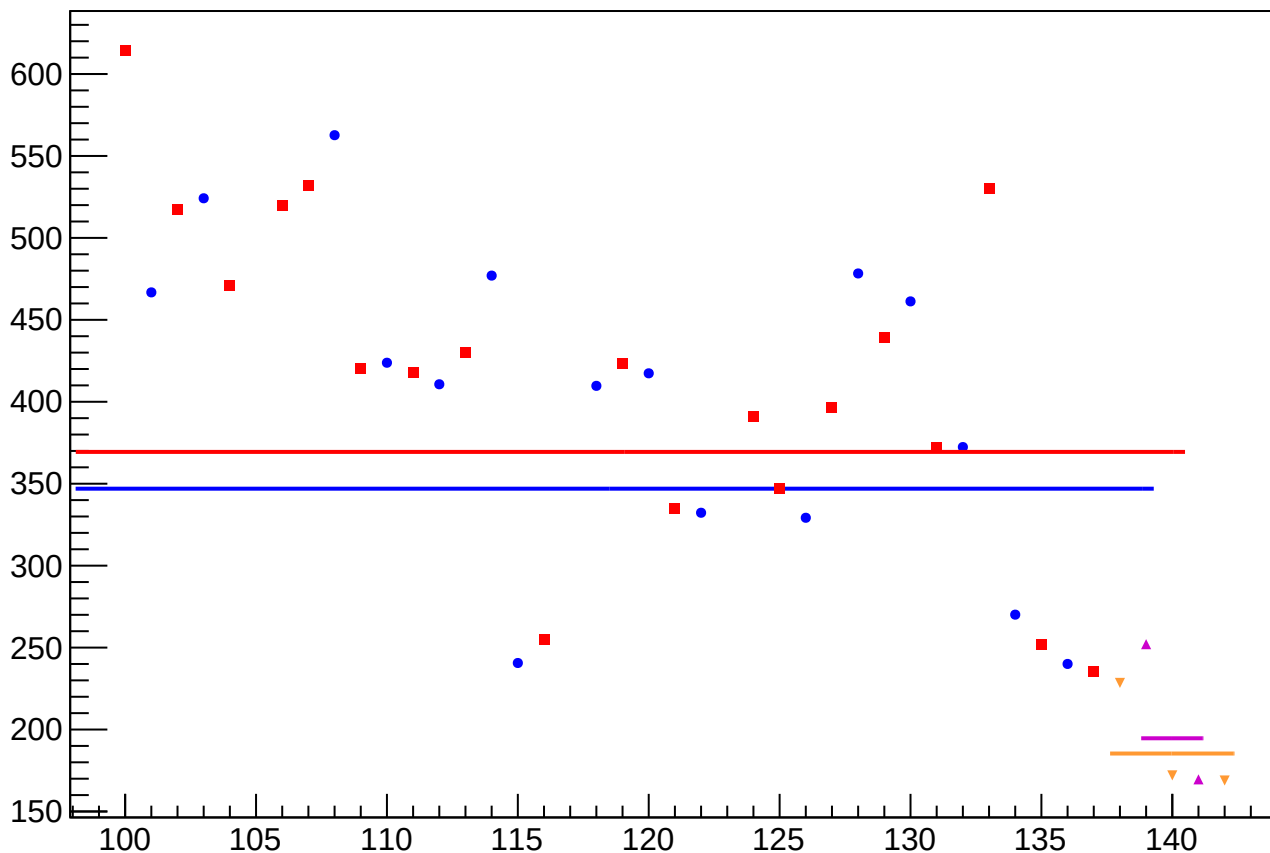
Left In: 132.999 $\pm$ 151.233 χ^2 /NDF: 1.8/1

+ sign 123.182 $\pm$ 94.059 χ^2 /NDF: 28.0/18

All: 163.534 $\pm$ 69.371 χ^2 /NDF: 42.9/39

- sign 211.663 $\pm$ 102.723 χ^2 /NDF: 14.4/20

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 346.969+/-0.095 χ^2/NDF : 1058029.4/15

Left Out: 185.359+/-0.093 χ^2/NDF : 72431.3/2

Right Out: 369.410+/-0.099 χ^2/NDF : 918852.6/18

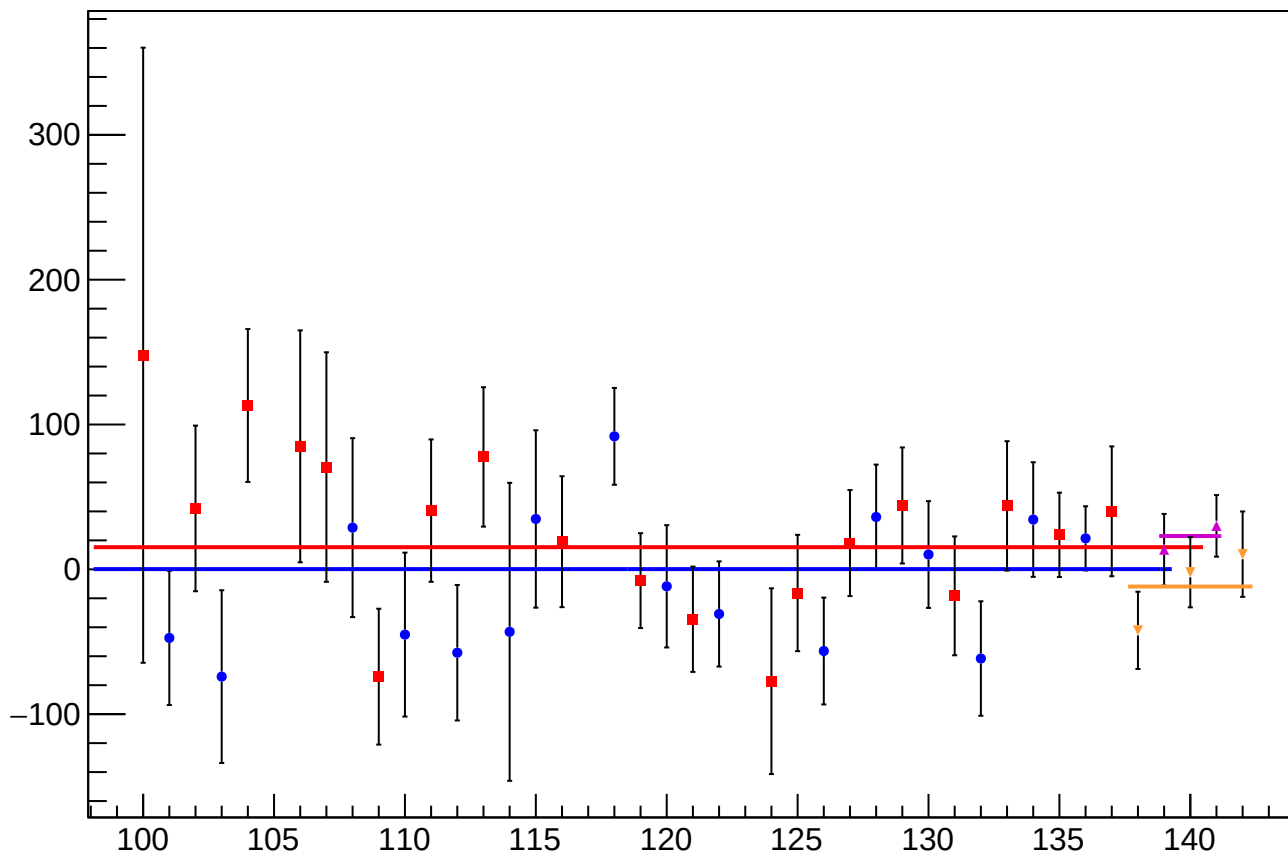
Left In: 194.663+/-0.107 χ^2/NDF : 125837.4/1

+ sign 263.960+/-0.067 χ^2/NDF : 2605436.5/18

All: 275.283+/-0.049 χ^2/NDF : 5151996.4/39

- sign 288.788+/-0.073 χ^2/NDF : 2483007.6/20

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157 ± 10.048 χ^2/NDF : 21.3/15

Left Out: -11.877 ± 15.320 χ^2/NDF : 2.0/2

Right Out: 15.292 ± 10.269 χ^2/NDF : 17.9/18

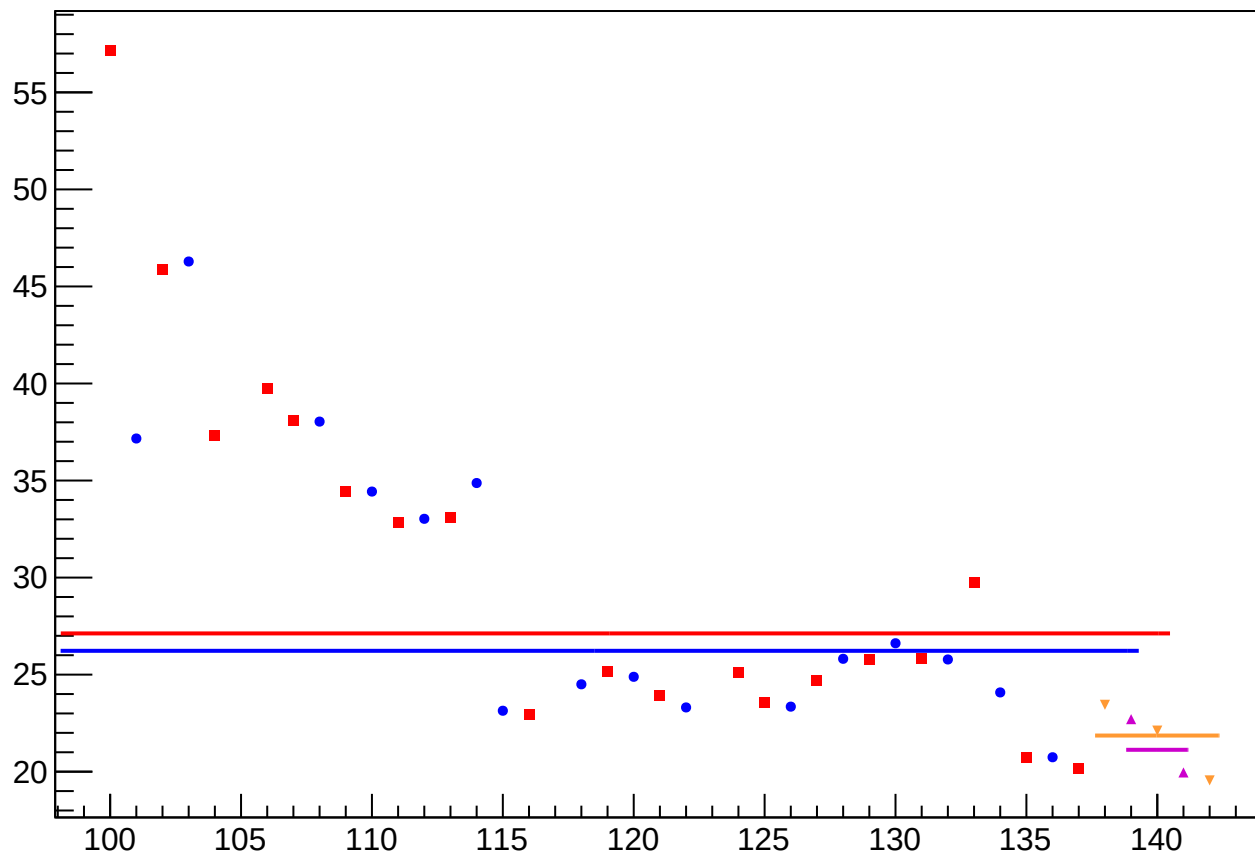
Left In: 23.008 ± 16.124 χ^2/NDF : 0.3/1

+ sign -3.462 ± 8.402 χ^2/NDF : 23.8/18

All: 6.709 ± 6.031 χ^2/NDF : 45.2/39

- sign 17.518 ± 8.661 χ^2/NDF : 18.3/20

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227±/0.007 χ^2/NDF : 676029.5/15

Left Out: 21.862±/0.011 χ^2/NDF : 19567.2/2

Right Out: 27.123±/0.007 χ^2/NDF : 745675.5/18

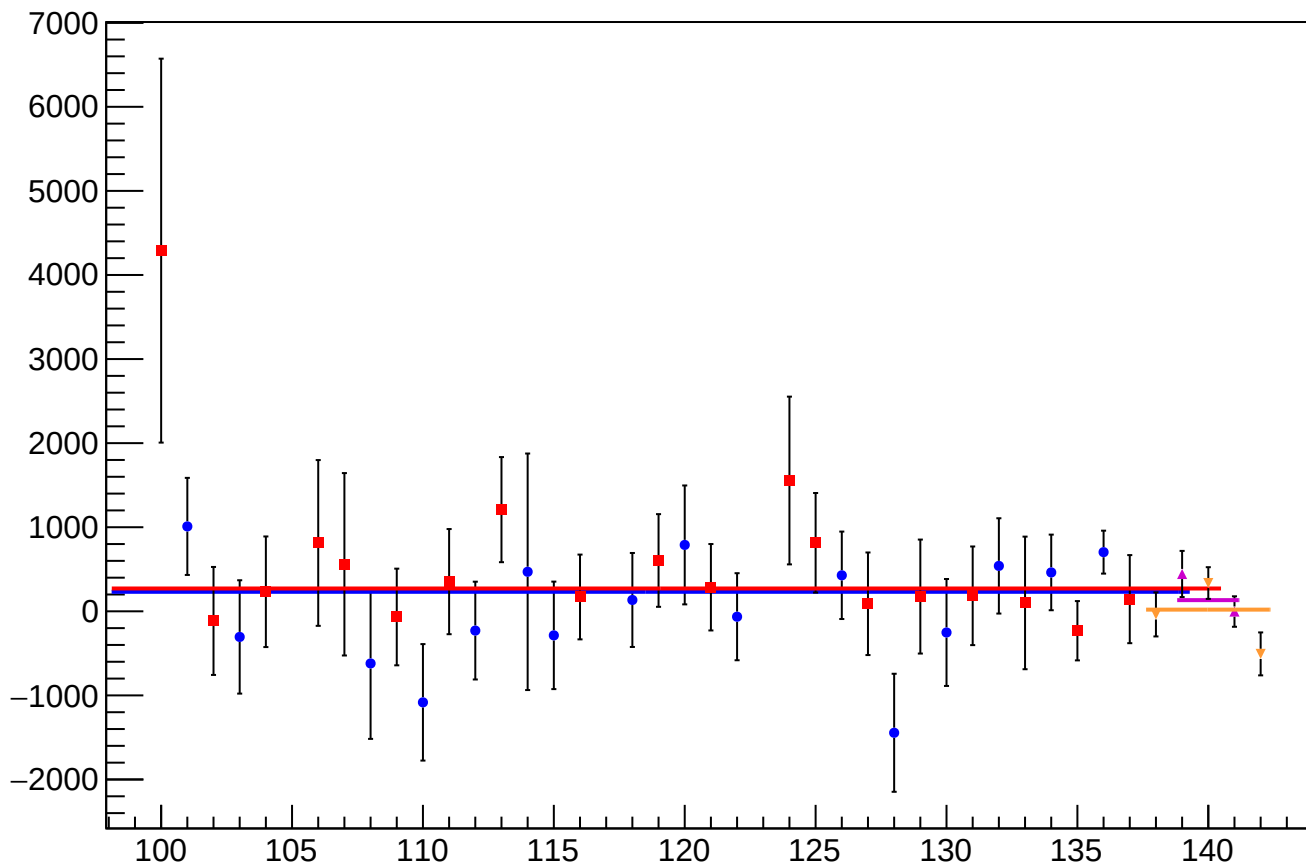
Left In: 21.127±/0.011 χ^2/NDF : 14177.7/1

+ sign 24.914±/0.006 χ^2/NDF : 809136.3/18

All: 25.146±/0.004 χ^2/NDF : 1768951.7/39

- sign 25.393±/0.006 χ^2/NDF : 956663.1/20

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: 20.048 $\pm$ 131.241 χ^2 /NDF: 7.1/2

Right Out: 271.412 $\pm$ 140.183 χ^2 /NDF: 11.6/18

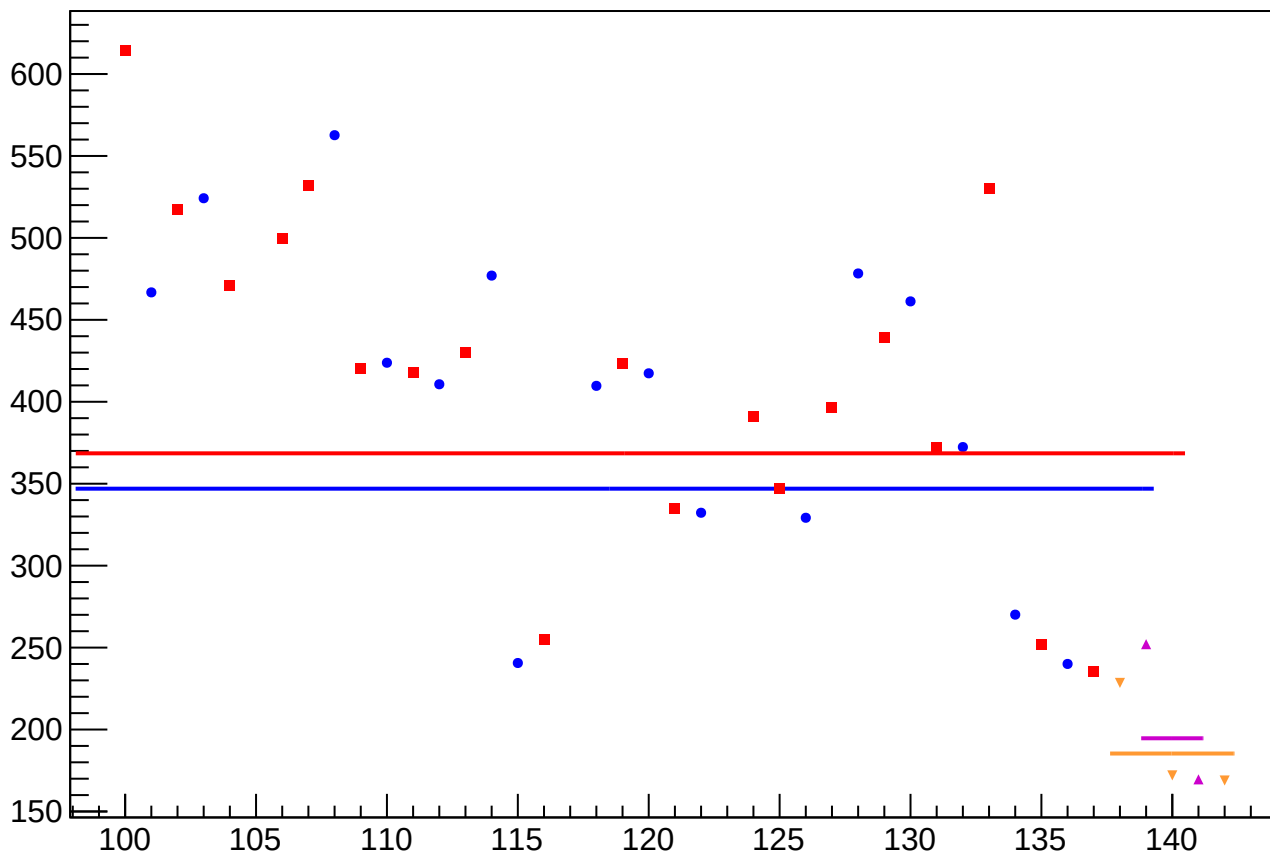
Left In: 133.001 $\pm$ 151.233 χ^2 /NDF: 1.8/1

+ sign 123.174 $\pm$ 94.059 χ^2 /NDF: 28.0/18

All: 161.573 $\pm$ 69.397 χ^2 /NDF: 42.3/39

- sign 207.448 $\pm$ 102.809 χ^2 /NDF: 13.9/20

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 346.969 $\pm$ 0.095 χ^2 /NDF: 1058057.4/15

Left Out: 185.359 $\pm$ 0.093 χ^2 /NDF: 72431.4/2

Right Out: 368.543 $\pm$ 0.099 χ^2 /NDF: 900219.6/18

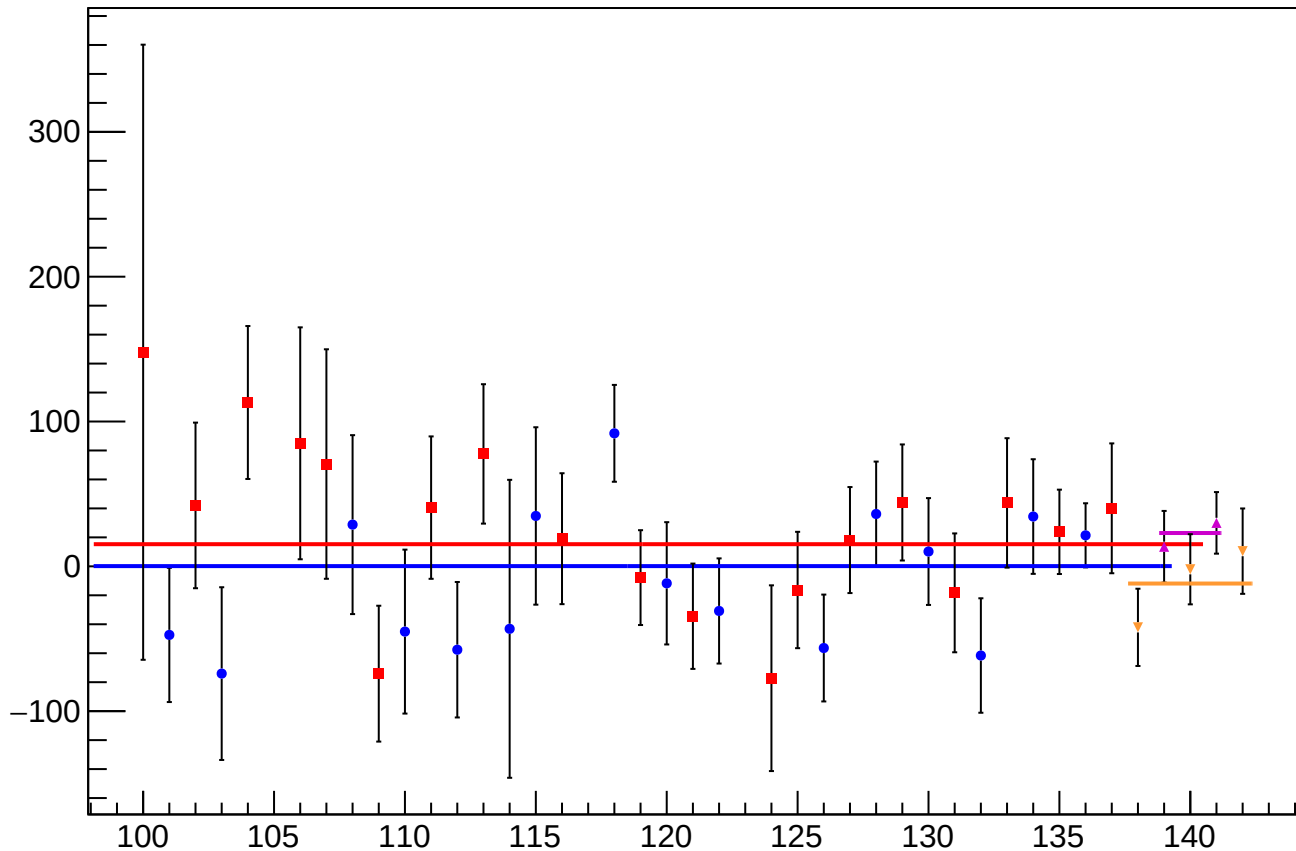
Left In: 194.663 $\pm$ 0.107 χ^2 /NDF: 125836.6/1

+ sign 263.960 $\pm$ 0.067 χ^2 /NDF: 2605469.9/18

All: 274.999 $\pm$ 0.049 χ^2 /NDF: 5114020.7/39

- sign 288.187 $\pm$ 0.073 χ^2 /NDF: 2448092.7/20

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157 ± 10.048 χ^2/NDF : 21.3/15

Left Out: -11.877 ± 15.320 χ^2/NDF : 2.0/2

Right Out: 15.292 ± 10.269 χ^2/NDF : 17.9/18

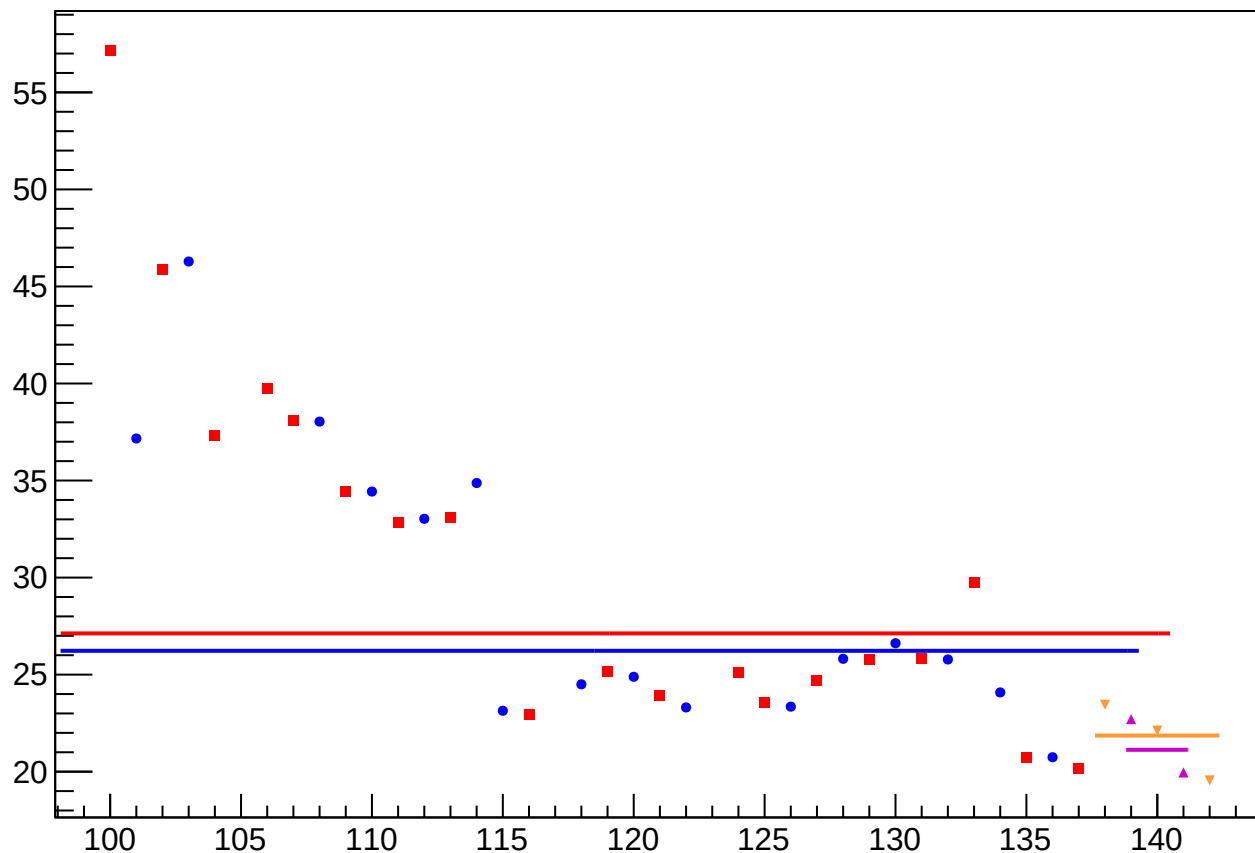
Left In: 23.008 ± 16.124 χ^2/NDF : 0.3/1

+ sign -3.462 ± 8.402 χ^2/NDF : 23.8/18

All: 6.709 ± 6.031 χ^2/NDF : 45.2/39

- sign 17.518 ± 8.661 χ^2/NDF : 18.3/20

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227±/0.007 χ^2/NDF : 676029.5/15

Left Out: 21.862±/0.011 χ^2/NDF : 19567.2/2

Right Out: 27.123±/0.007 χ^2/NDF : 745675.5/18

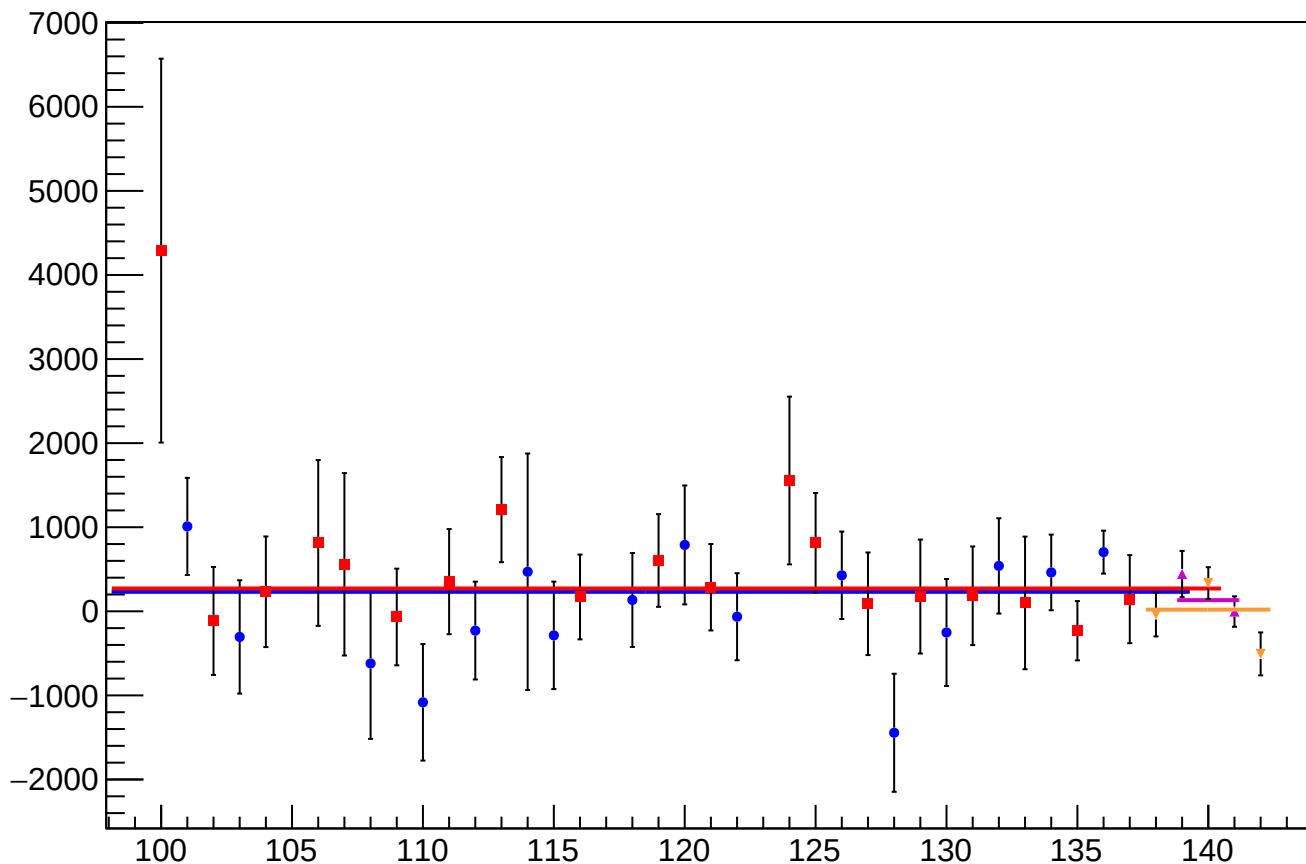
Left In: 21.127±/0.011 χ^2/NDF : 14177.7/1

+ sign 24.914±/0.006 χ^2/NDF : 809136.3/18

All: 25.146±/0.004 χ^2/NDF : 1768951.7/39

- sign 25.393±/0.006 χ^2/NDF : 956663.1/20

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: 20.048 $\pm$ 131.241 χ^2 /NDF: 7.1/2

Right Out: 271.412 $\pm$ 140.183 χ^2 /NDF: 11.6/18

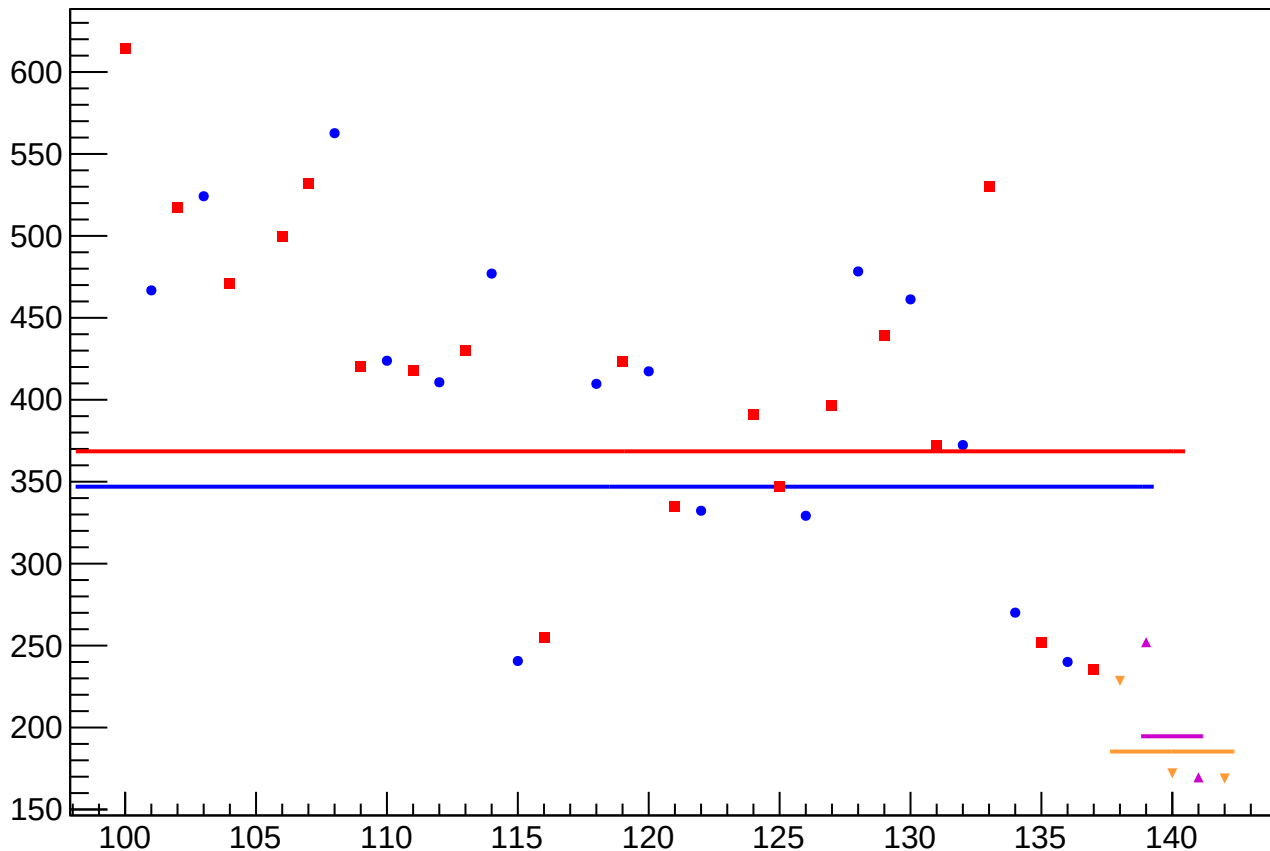
Left In: 133.001 $\pm$ 151.233 χ^2 /NDF: 1.8/1

+ sign 123.174 $\pm$ 94.059 χ^2 /NDF: 28.0/18

All: 161.573 $\pm$ 69.397 χ^2 /NDF: 42.3/39

- sign 207.448 $\pm$ 102.809 χ^2 /NDF: 13.9/20

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: 185.359 $\pm$ 0.093 χ^2 /NDF: 72431.4/2

Right Out: 368.543 $\pm$ 0.099 χ^2 /NDF: 900219.6/18

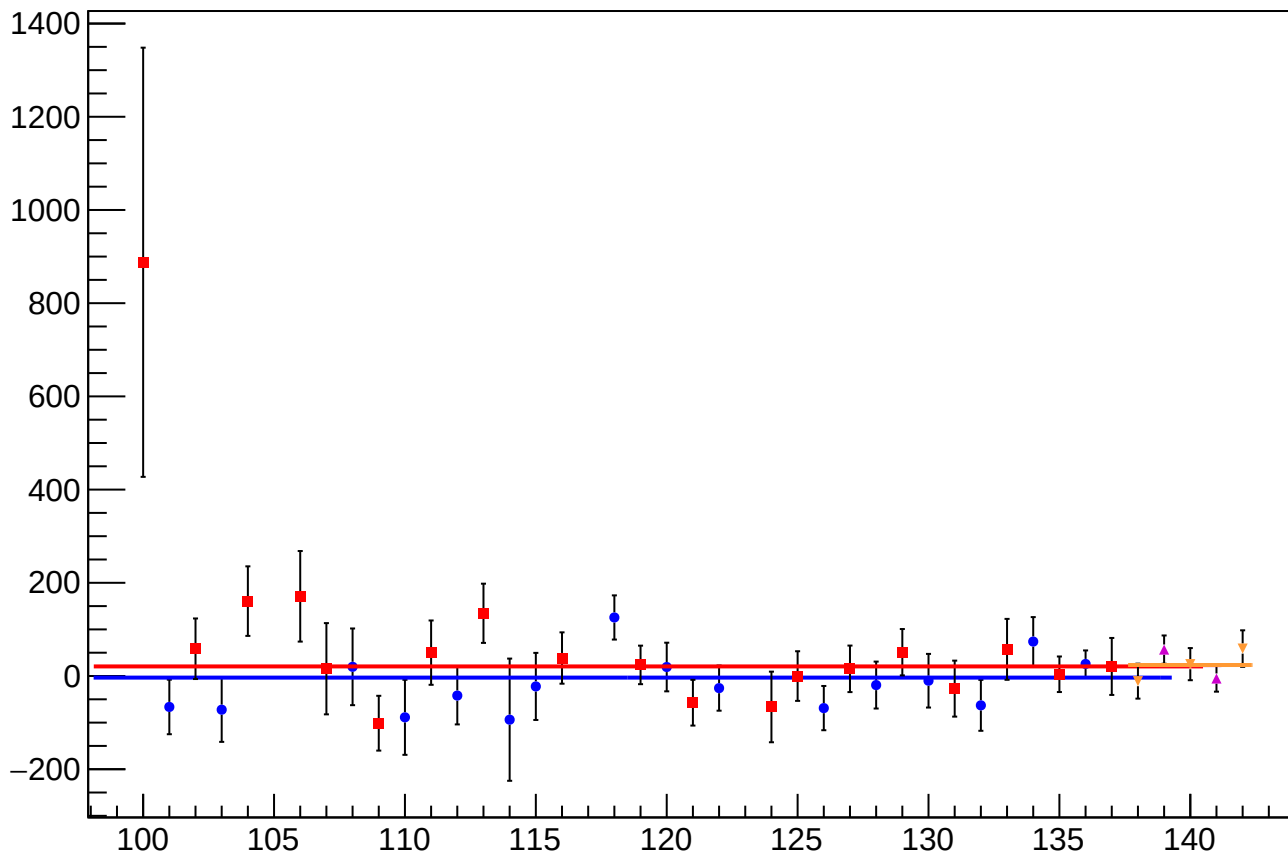
Left In: 194.663 $\pm$ 0.107 χ^2 /NDF: 125836.6/1

+ sign 263.960 $\pm$ 0.067 χ^2 /NDF: 2605469.9/18

All: 274.999 $\pm$ 0.049 χ^2 /NDF: 5114020.7/39

- sign 288.187 $\pm$ 0.073 χ^2 /NDF: 2448092.7/20

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423 ± 13.393 $\chi^2/\text{NDF}: 18.5/15$

Left Out: 23.602 ± 21.304 $\chi^2/\text{NDF}: 1.7/2$

Right Out: 20.569 ± 13.475 $\chi^2/\text{NDF}: 23.1/18$

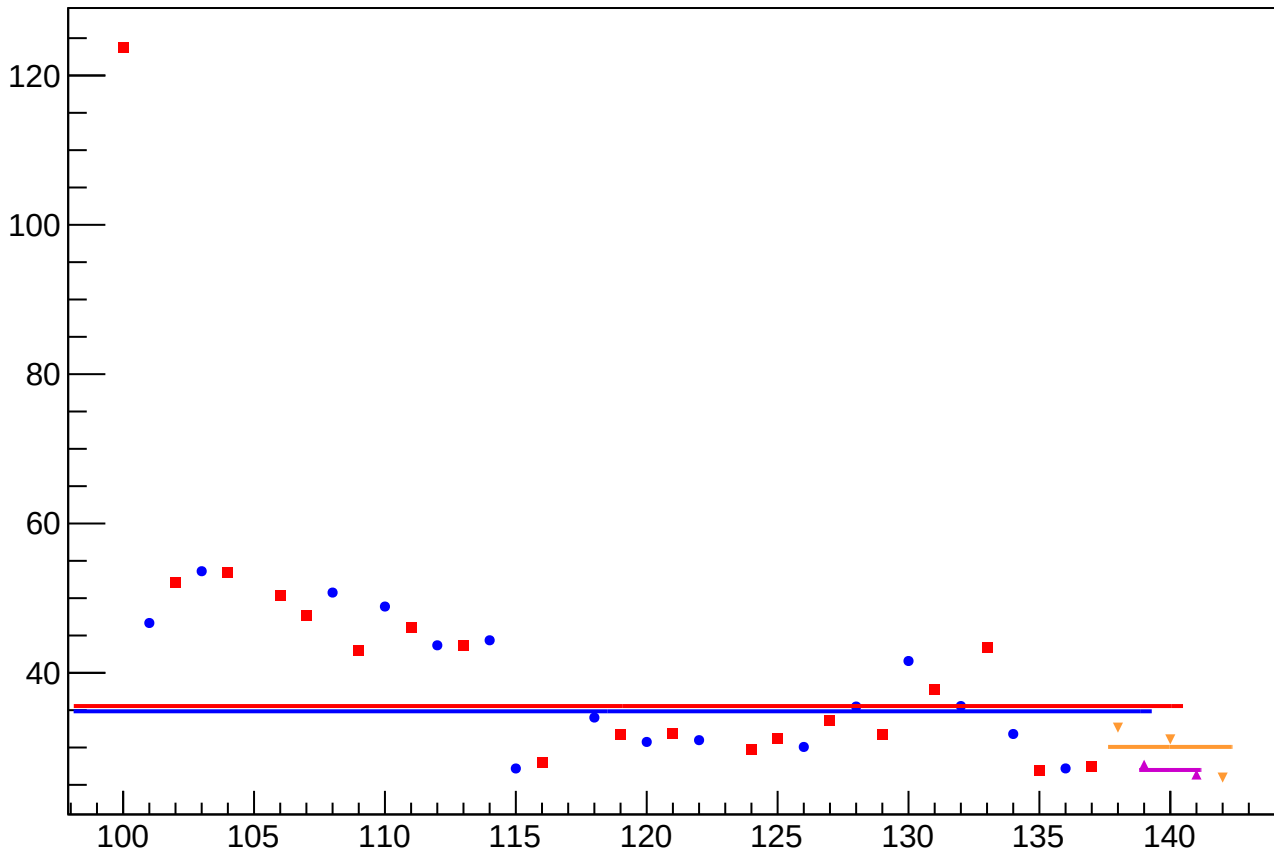
Left In: 23.401 ± 20.636 $\chi^2/\text{NDF}: 2.3/1$

+ sign 4.231 ± 11.338 $\chi^2/\text{NDF}: 21.3/18$

All: 12.866 ± 7.998 $\chi^2/\text{NDF}: 47.8/39$

- sign 21.415 ± 11.283 $\chi^2/\text{NDF}: 25.4/20$

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850 $\pm$ 0.009 χ^2 /NDF: 658141.6/15

Left Out: 30.081 $\pm$ 0.015 χ^2 /NDF: 33176.6/2

Right Out: 35.553 $\pm$ 0.010 χ^2 /NDF: 779880.3/18

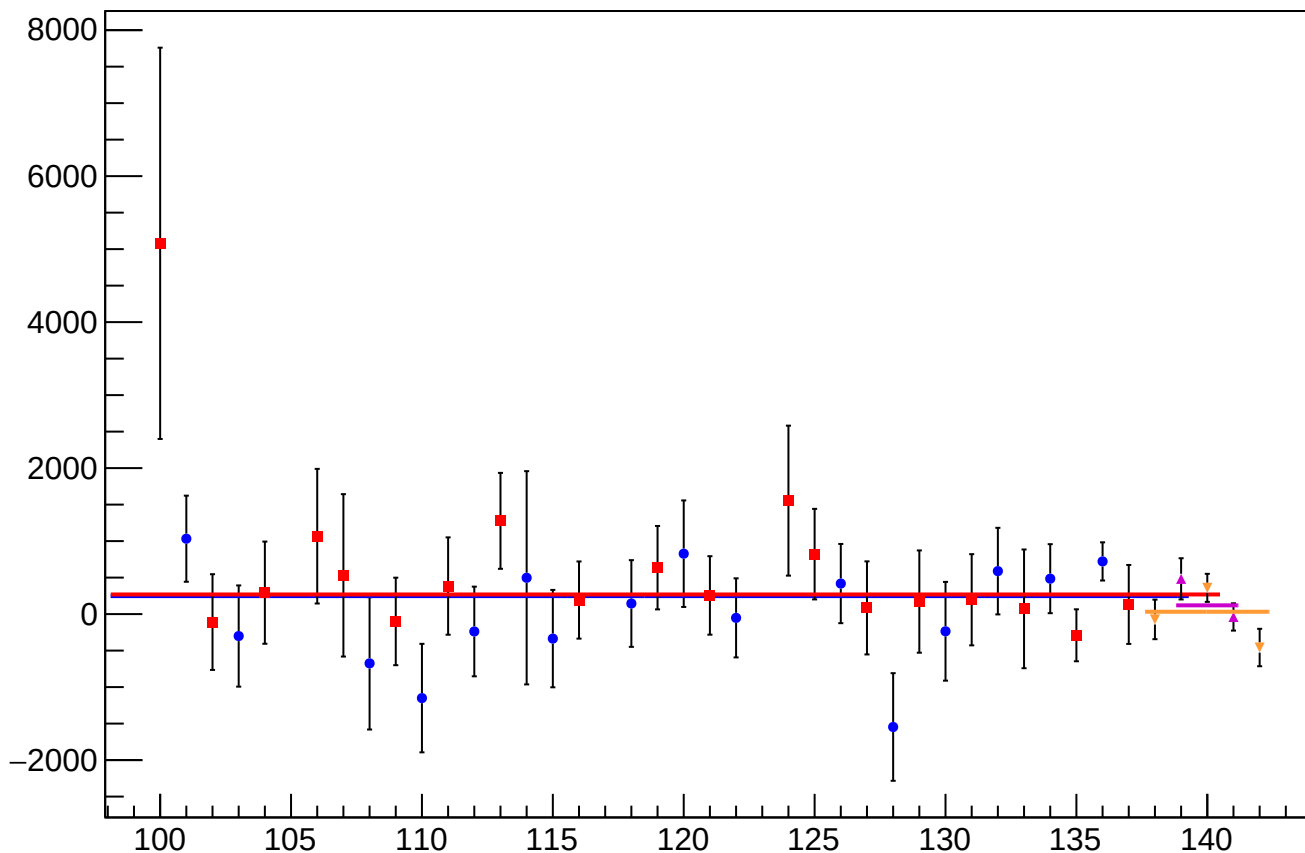
Left In: 26.992 $\pm$ 0.015 χ^2 /NDF: 2002.2/1

+ sign 33.500 $\pm$ 0.008 χ^2 /NDF: 763150.3/18

All: 33.246 $\pm$ 0.006 χ^2 /NDF: 1788324.4/39

- sign 32.994 $\pm$ 0.008 χ^2 /NDF: 1023175.4/20

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: 32.105 $\pm$ 133.672 χ^2 /NDF:6.7/2

Right Out: 268.913 $\pm$ 145.295 χ^2 /NDF: 12.6/18

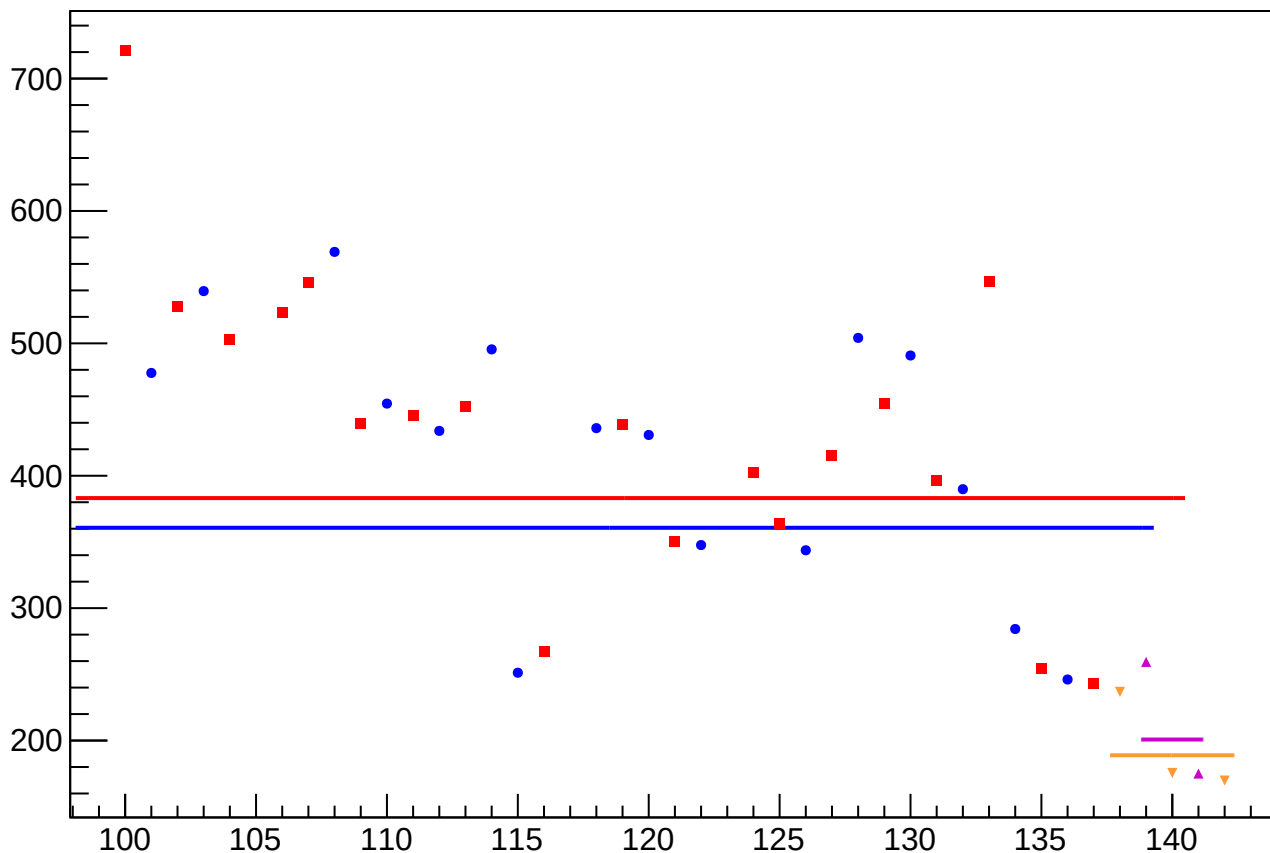
Left In: 119.905 $\pm$ 155.842 χ^2 /NDF:2.4/1

+ sign 134.142 $\pm$ 96.770 χ^2 /NDF: 27.7/18

All: 163.824 $\pm$ 71.551 χ^2 /NDF: 43.4/39

- sign 199.621 $\pm$ 106.272 χ^2 /NDF: 15.5/20

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 360.692 $\pm$ 0.099 χ^2 /NDF: 1092760.6/15

Left Out: 188.875 $\pm$ 0.095 χ^2 /NDF: 83335.8/2

Right Out: 383.132 $\pm$ 0.103 χ^2 /NDF: 963125.0/18

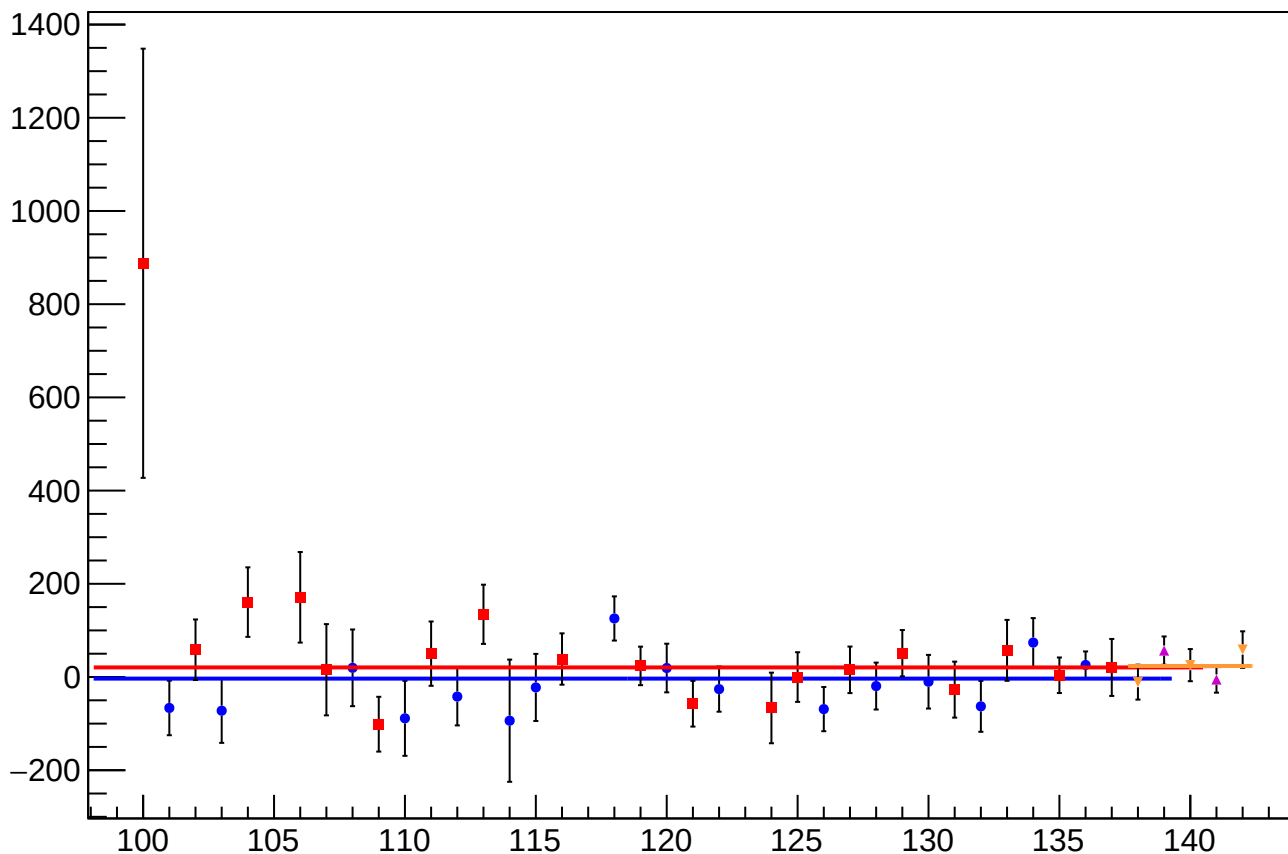
Left In: 200.763 $\pm$ 0.110 χ^2 /NDF: 124120.6/1

+ sign 270.645 $\pm$ 0.068 χ^2 /NDF: 2748658.1/18

All: 283.193 $\pm$ 0.051 χ^2 /NDF: 5375295.5/39

- sign 298.326 $\pm$ 0.075 χ^2 /NDF: 2552452.5/20

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425 ± 13.392 $\chi^2/\text{NDF}: 18.5/15$

Left Out: 23.602 ± 21.304 $\chi^2/\text{NDF}: 1.7/2$

Right Out: 20.569 ± 13.475 $\chi^2/\text{NDF}: 23.1/18$

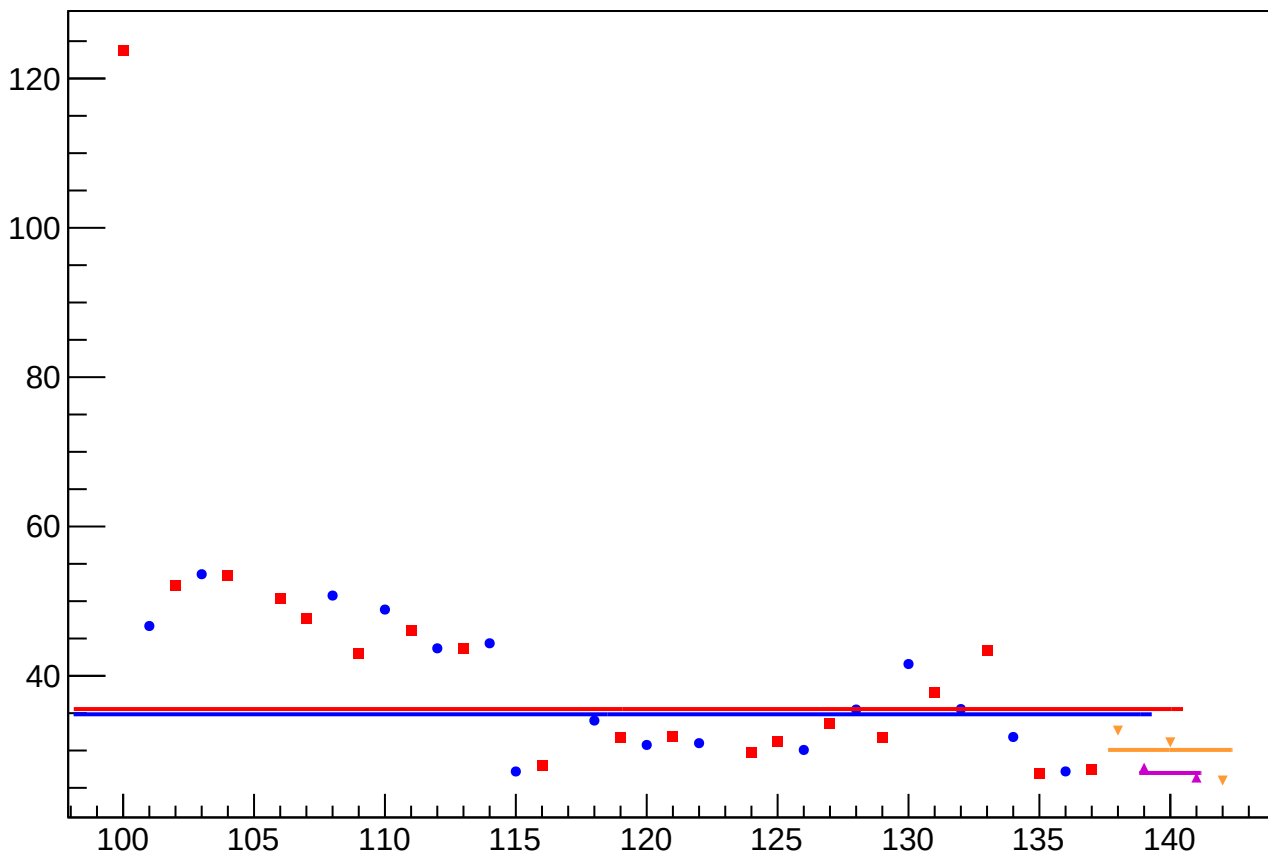
Left In: 23.399 ± 20.636 $\chi^2/\text{NDF}: 2.3/1$

+ sign 4.230 ± 11.338 $\chi^2/\text{NDF}: 21.3/18$

All: 12.865 ± 7.998 $\chi^2/\text{NDF}: 47.8/39$

- sign 21.415 ± 11.282 $\chi^2/\text{NDF}: 25.4/20$

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850 $\pm$ 0.009 χ^2 /NDF: 658089.6/15

Left Out: 30.081 $\pm$ 0.015 χ^2 /NDF: 33171.9/2

Right Out: 35.552 $\pm$ 0.010 χ^2 /NDF: 779849.4/18

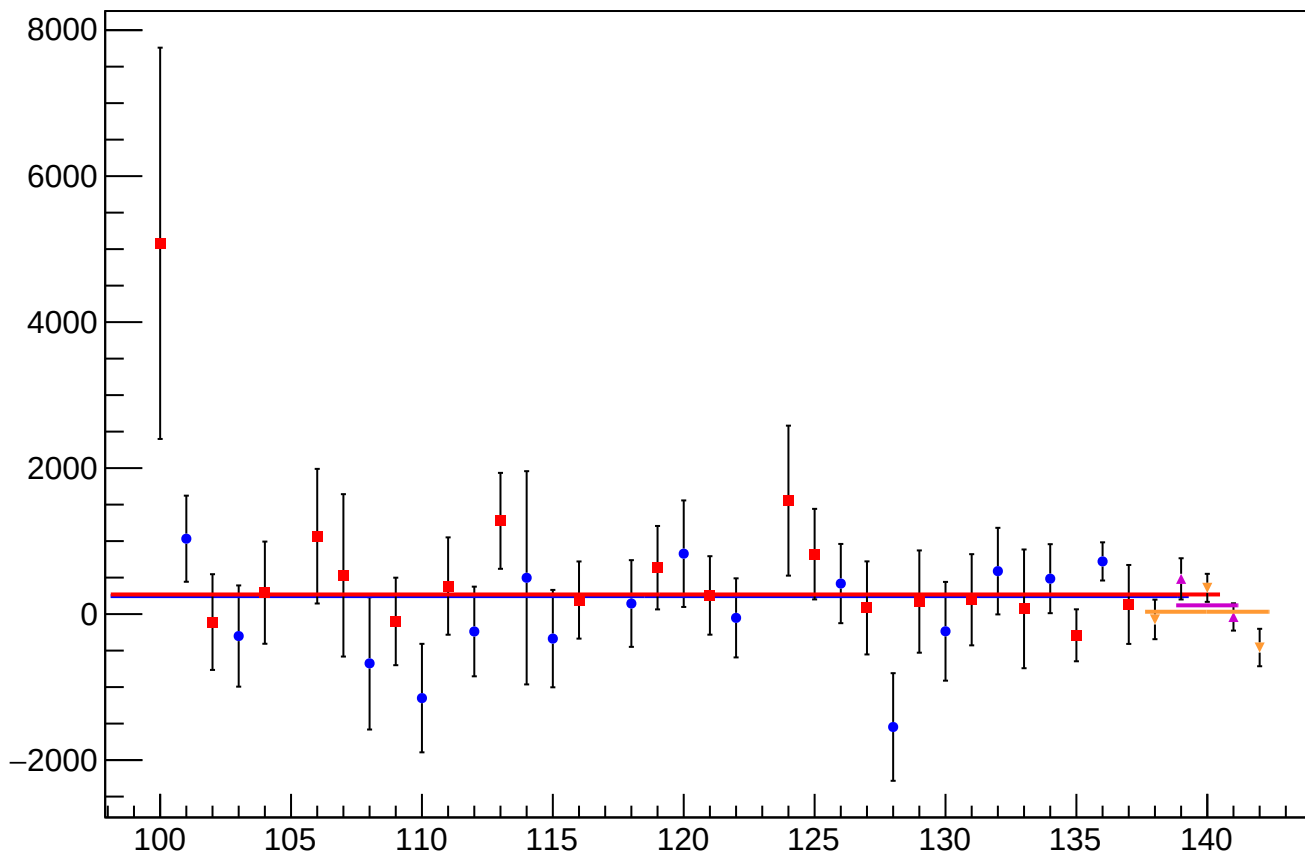
Left In: 26.992 $\pm$ 0.015 χ^2 /NDF: 2000.4/1

+ sign 33.499 $\pm$ 0.008 χ^2 /NDF: 763084.8/18

All: 33.245 $\pm$ 0.006 χ^2 /NDF: 1788222.3/39

- sign 32.994 $\pm$ 0.008 χ^2 /NDF: 1023139.1/20

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: 32.107 $\pm$ 133.671 χ^2 /NDF:6.7/2

Right Out: 268.913 $\pm$ 145.295 χ^2 /NDF: 12.6/18

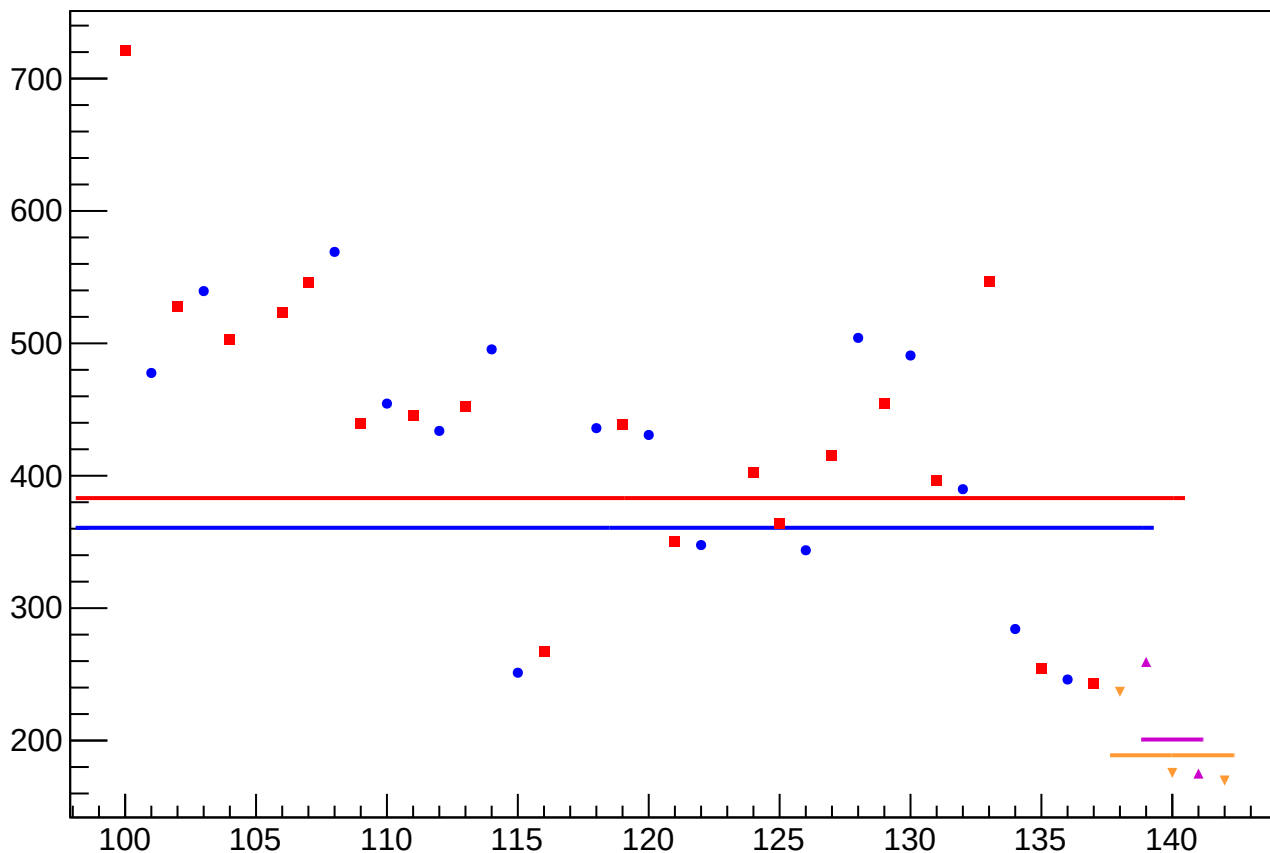
Left In: 119.906 $\pm$ 155.841 χ^2 /NDF:2.4/1

+ sign 134.141 $\pm$ 96.770 χ^2 /NDF: 27.7/18

All: 163.824 $\pm$ 71.551 χ^2 /NDF: 43.4/39

- sign 199.622 $\pm$ 106.272 χ^2 /NDF: 15.5/20

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug



Right In: 360.691+/-0.099 χ^2/NDF : 1092752.5/15

Left Out: 188.875+/-0.095 χ^2/NDF : 83330.2/2

Right Out: 383.131+/-0.103 χ^2/NDF : 963120.8/18

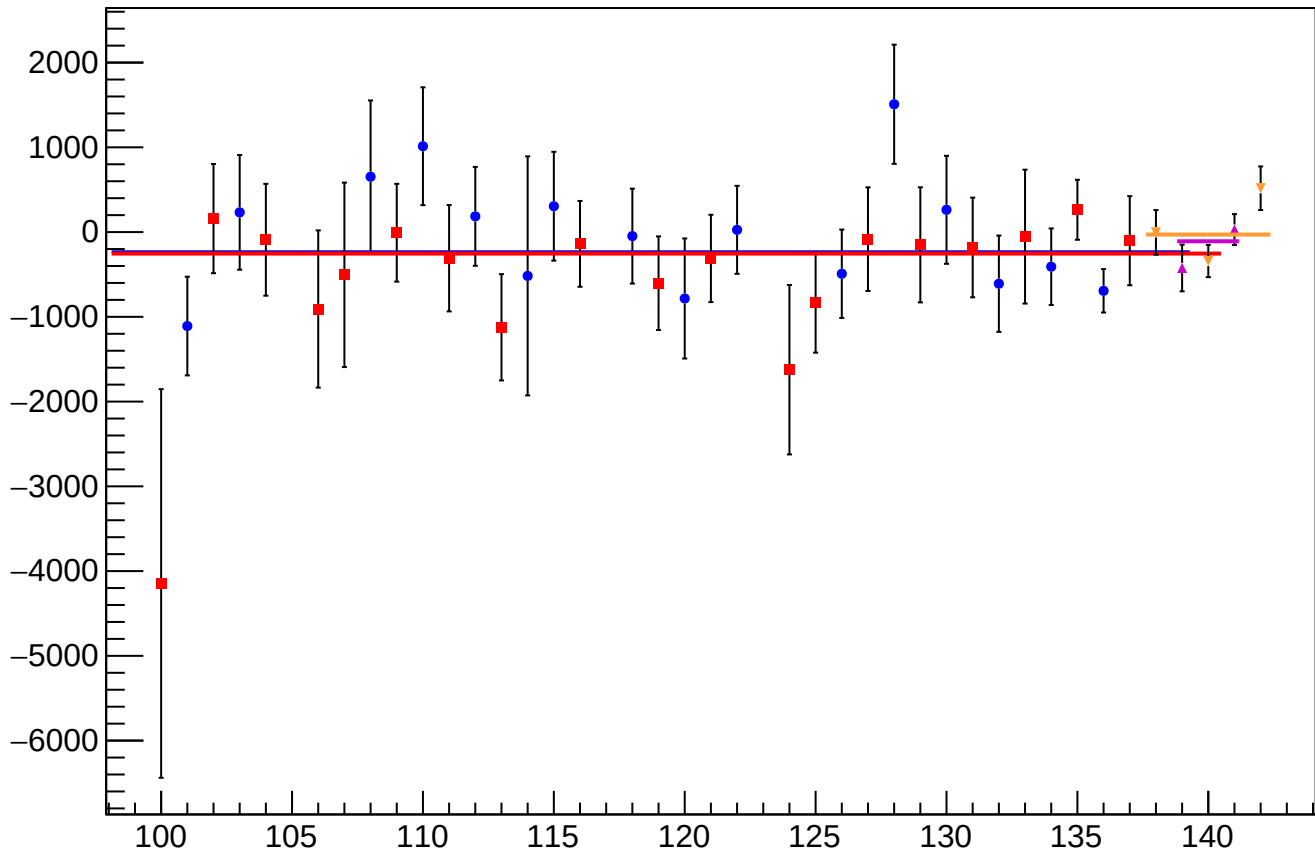
Left In: 200.762+/-0.110 χ^2/NDF : 124118.1/1

+ sign 270.644+/-0.068 χ^2/NDF : 2748647.8/18

All: 283.192+/-0.051 χ^2/NDF : 5375288.4/39

- sign 298.325+/-0.075 χ^2/NDF : 2552457.0/20

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF : 19.9/15

Left Out: -29.229+/-132.196 χ^2/NDF : 7.2/2

Right Out: -253.445+/-140.414 χ^2/NDF : 11.7/18

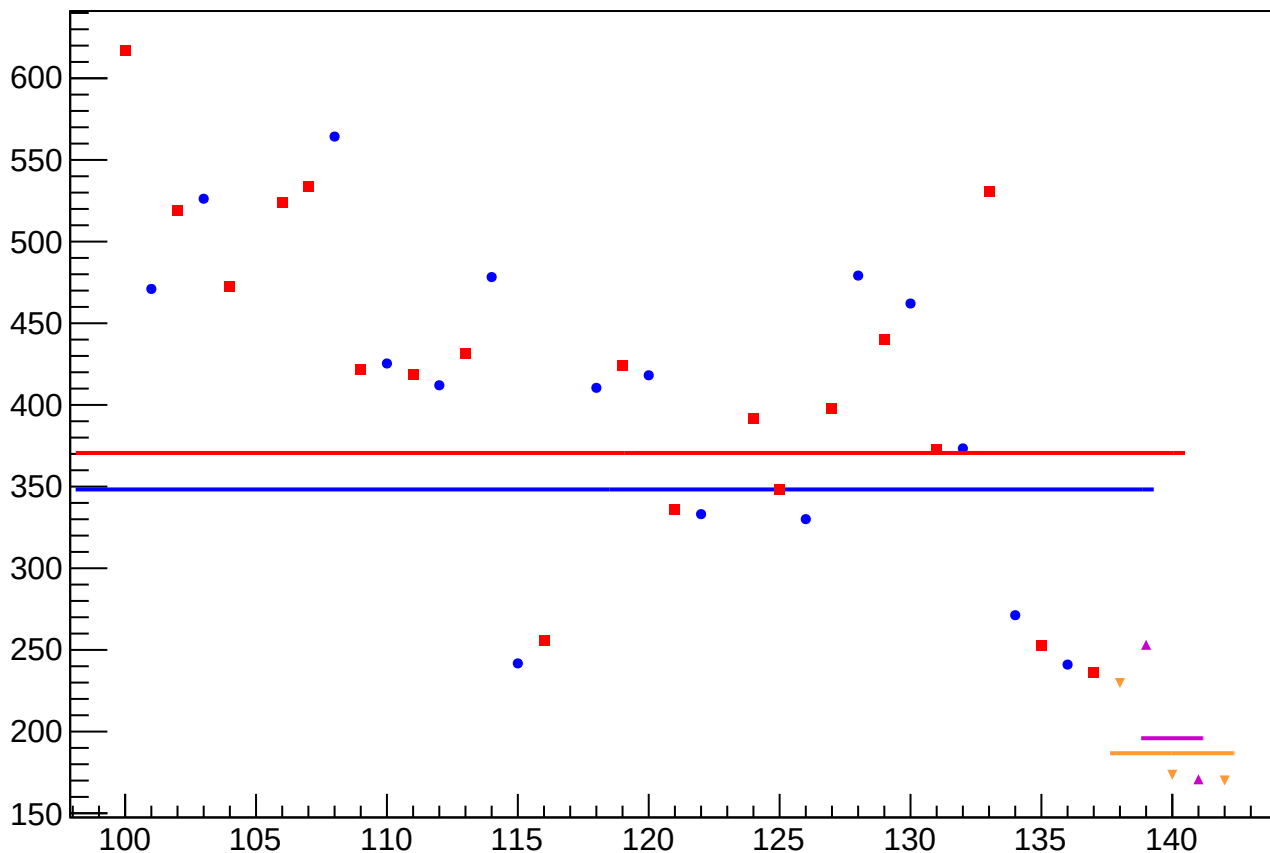
Left In: -108.610+/-152.165 χ^2/NDF : 1.9/1

+ sign -131.176+/-94.572 χ^2/NDF : 28.4/18

All: -156.584+/-69.721 χ^2/NDF : 42.6/39

- sign -186.835+/-103.192 χ^2/NDF : 14.1/20

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF : 1056820.3/15

Left Out: 186.752+/-0.093 χ^2/NDF : 71395.6/2

Right Out: 370.585+/-0.099 χ^2/NDF : 917913.5/18

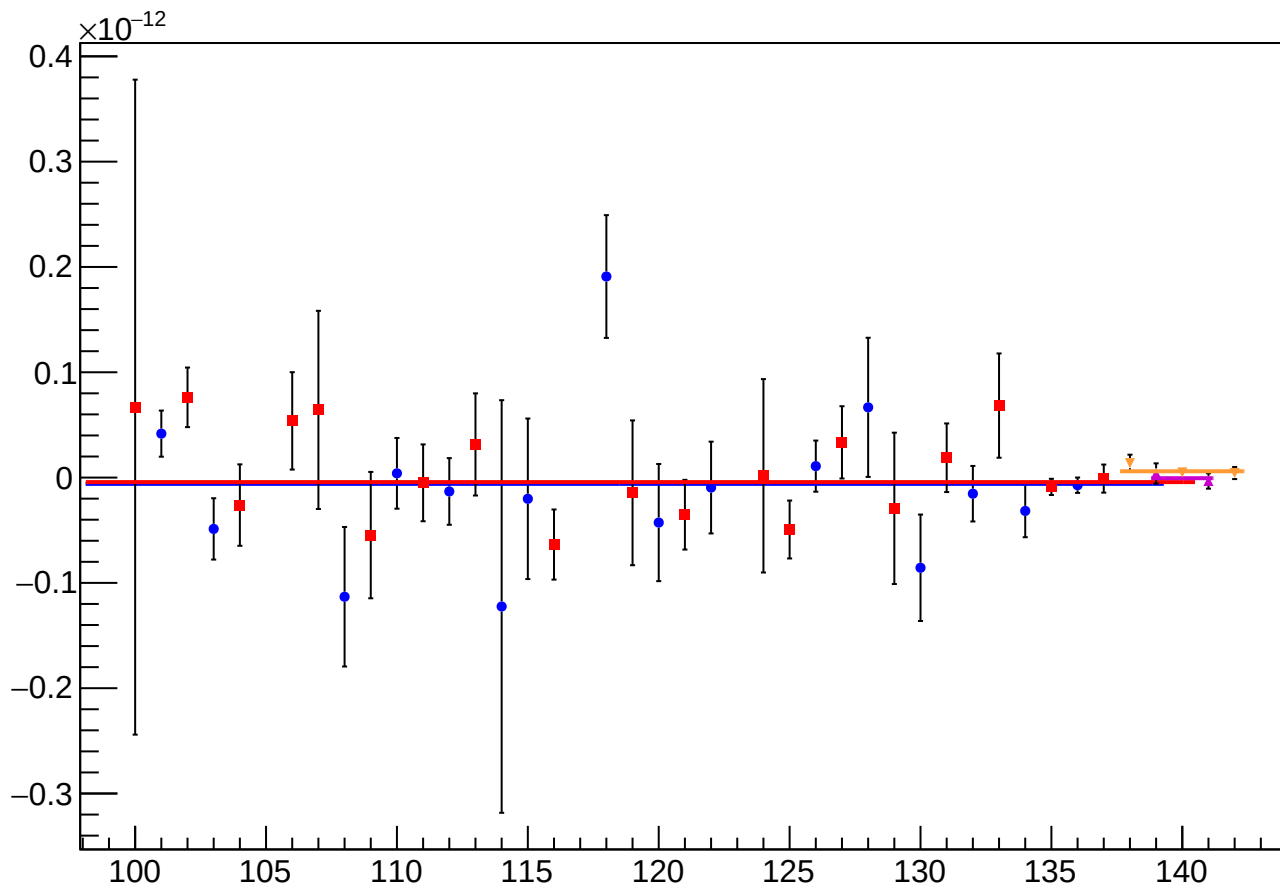
Left In: 195.924+/-0.108 χ^2/NDF : 124124.4/1

+ sign 265.600+/-0.067 χ^2/NDF : 2585523.4/18

All: 276.856+/-0.049 χ^2/NDF : 5112832.1/39

- sign 290.259+/-0.073 χ^2/NDF : 2465237.6/20

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:1.1/2

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/18

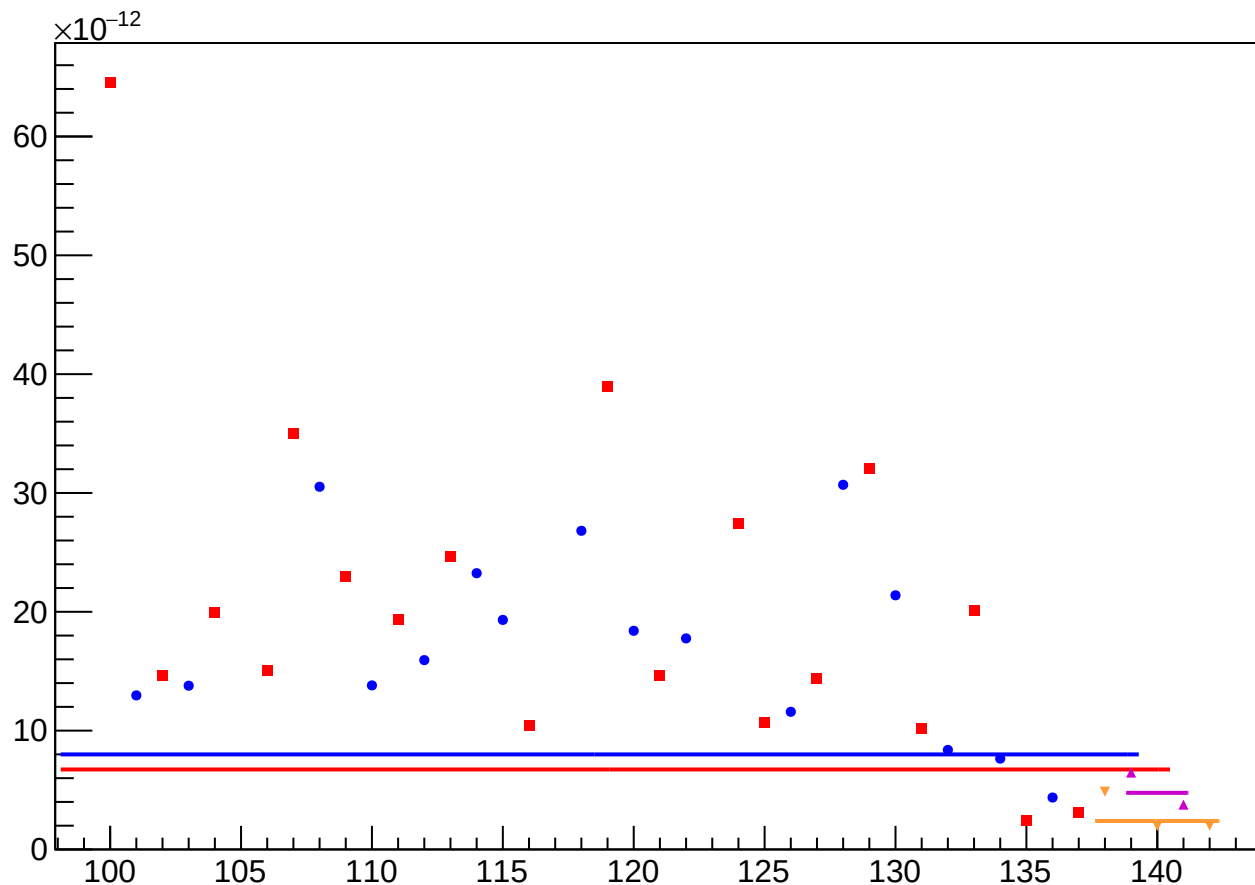
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.8/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.8/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/20

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 : 220308.9/2

Right Out: 0.000+/-0.000 χ^2/NDF : 3379574.5/18

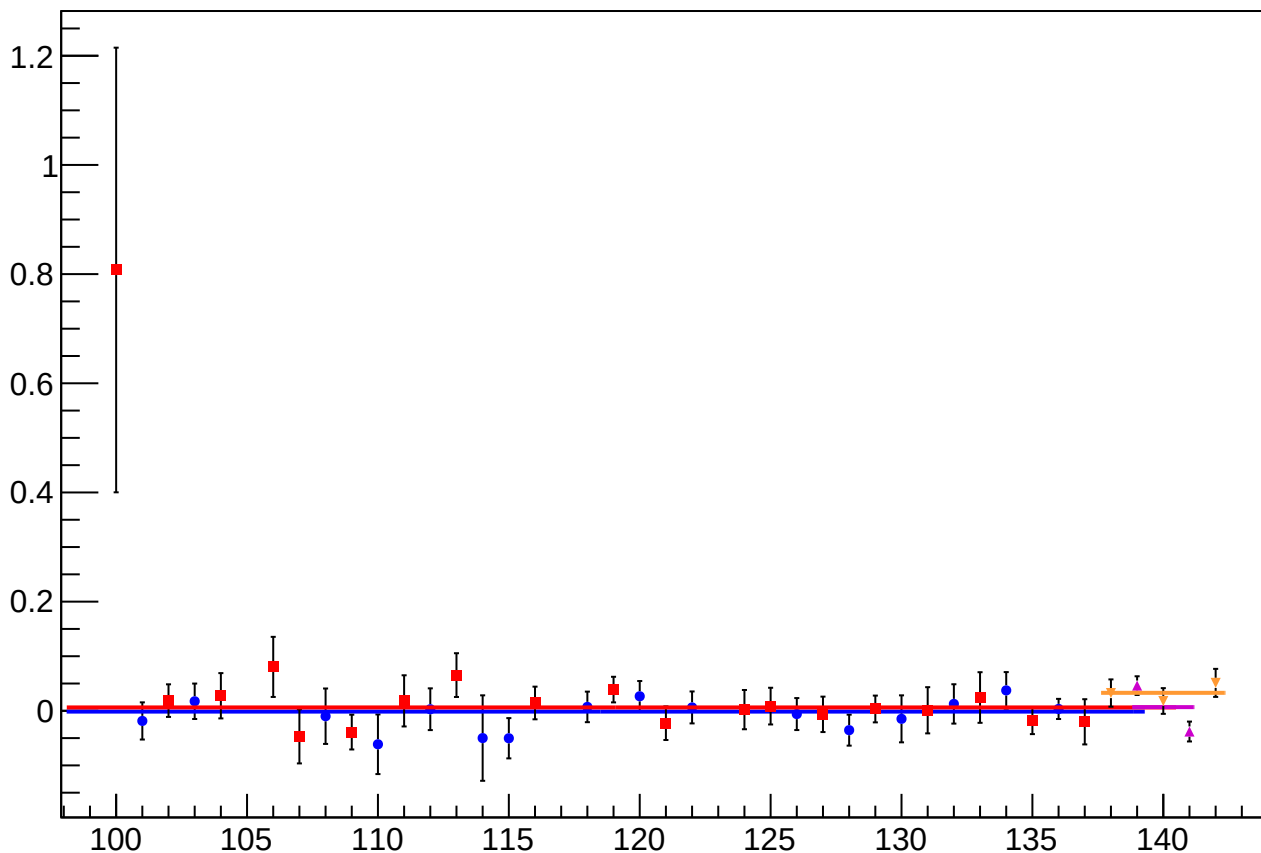
Left In: 0.000+/-0.000 χ^2/NDF : 100674.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 3674384.5/18

All: 0.000+/-0.000 χ^2/NDF : 7664800.5/39

- sign 0.000+/-0.000 χ^2/NDF : 3599792.7/20

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: 0.033 ± 0.014 χ^2/NDF : 0.9/2

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

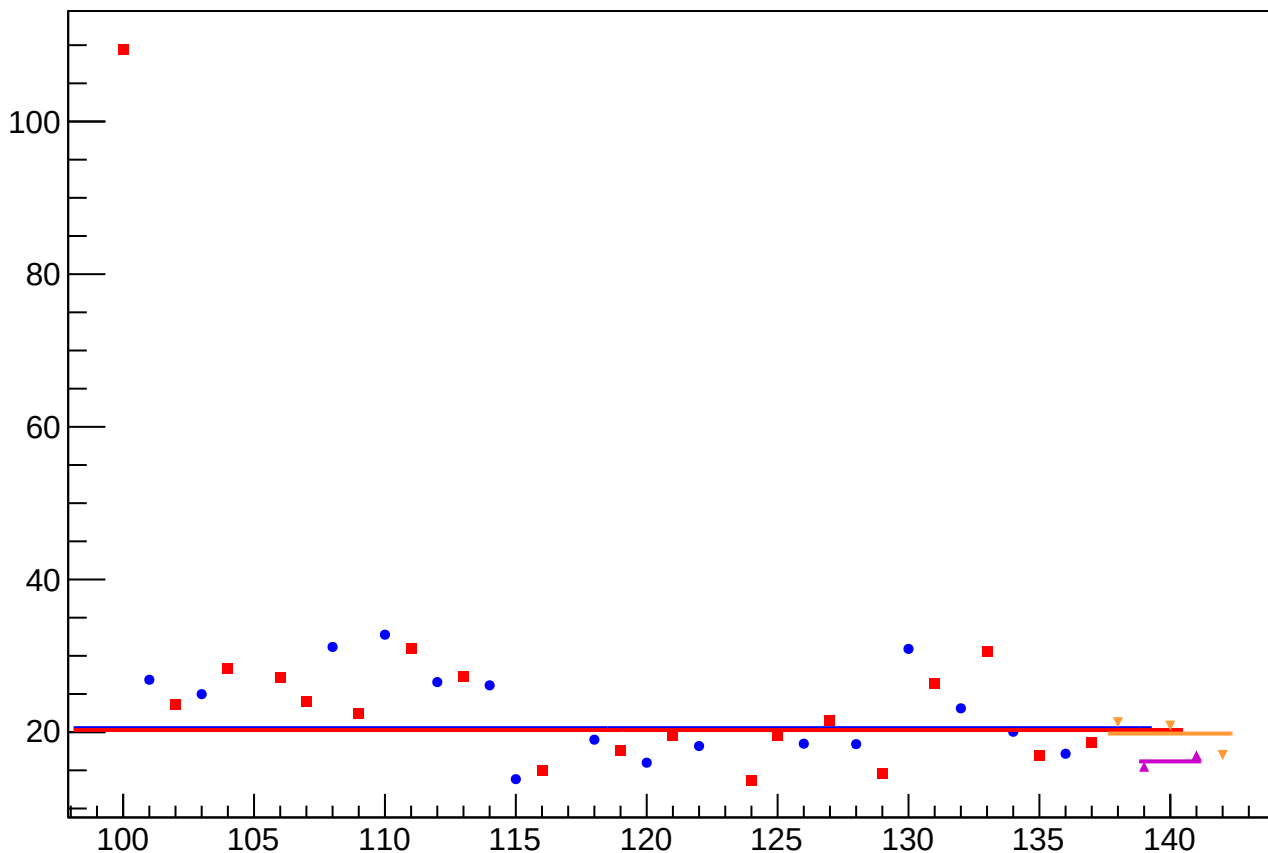
Left In: 0.007 ± 0.012 χ^2/NDF : 11.3/1

+ sign 0.007 ± 0.007 χ^2/NDF : 13.6/18

All: 0.007 ± 0.005 χ^2/NDF : 41.1/39

- sign 0.006 ± 0.007 χ^2/NDF : 27.6/20

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: 19.815 $\pm$ 0.010 χ^2 /NDF: 34703.6/2

Right Out: 20.282 $\pm$ 0.006 χ^2 /NDF: 864352.6/18

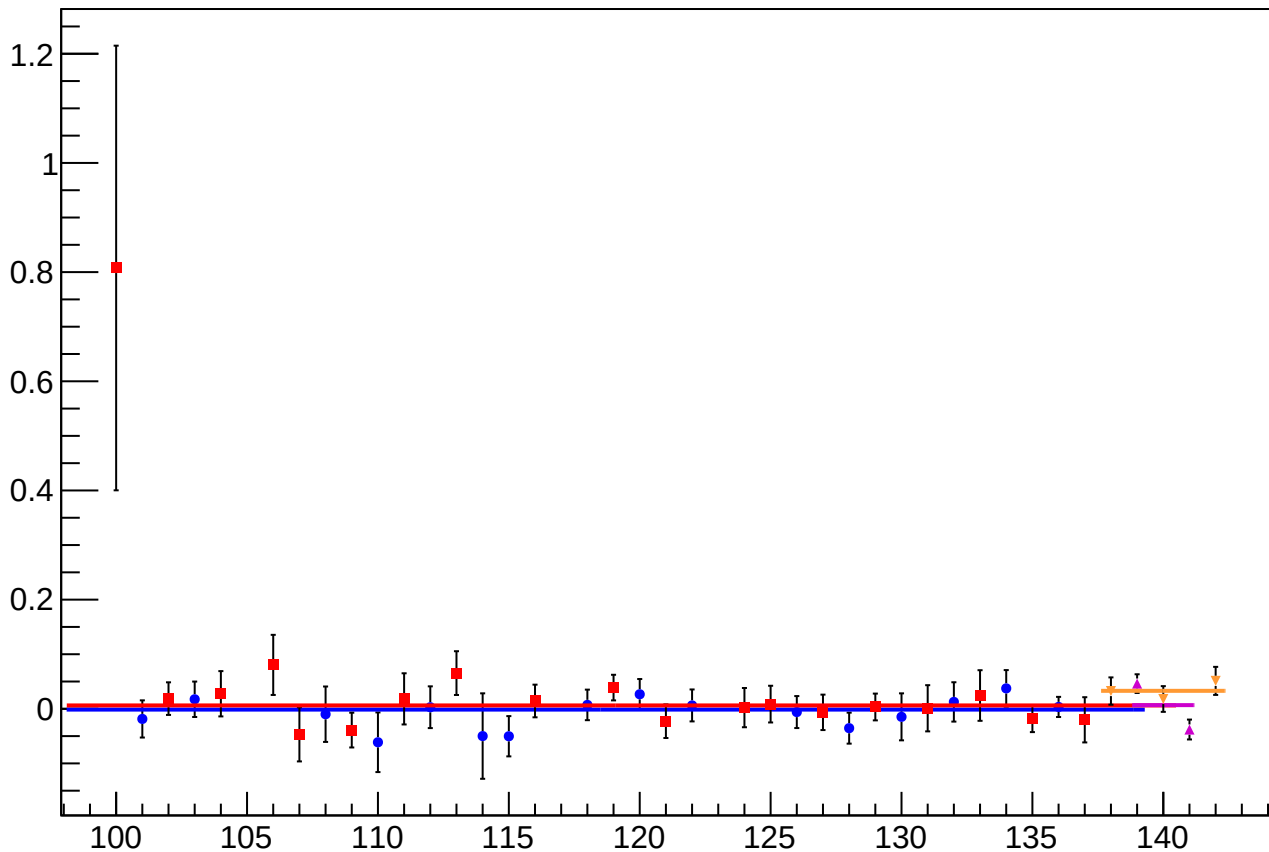
Left In: 16.174 $\pm$ 0.009 χ^2 /NDF: 7084.9/1

+ sign 20.351 $\pm$ 0.005 χ^2 /NDF: 744427.7/18

All: 19.697 $\pm$ 0.003 χ^2 /NDF: 1803941.4/39

- sign 19.108 $\pm$ 0.005 χ^2 /NDF: 1026540.9/20

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.008 $\chi^2/\text{NDF}: 8.3/15$

Left Out: 0.033 ± 0.014 $\chi^2/\text{NDF}: 0.9/2$

Right Out: 0.006 ± 0.008 $\chi^2/\text{NDF}: 16.2/18$

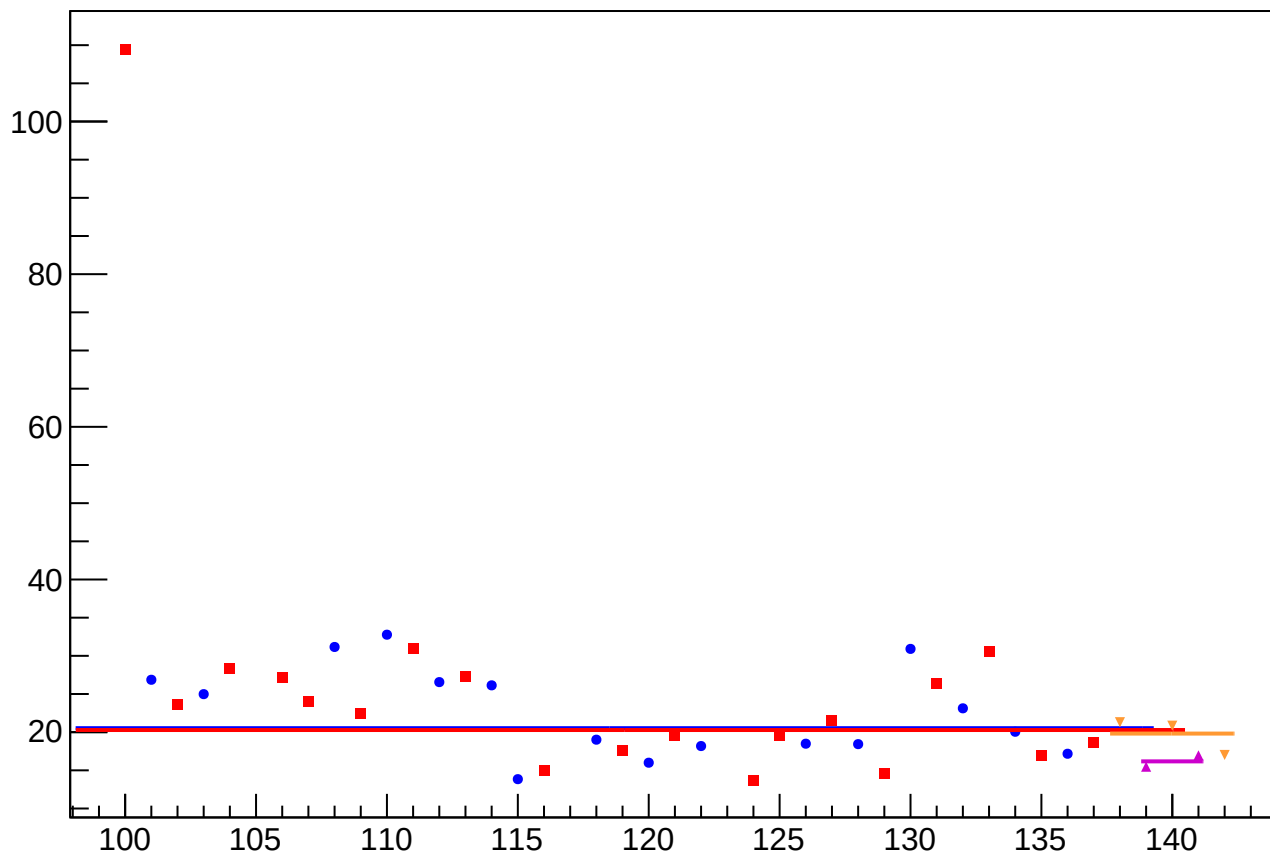
Left In: 0.007 ± 0.012 $\chi^2/\text{NDF}: 11.3/1$

+ sign 0.007 ± 0.007 $\chi^2/\text{NDF}: 13.6/18$

All: 0.007 ± 0.005 $\chi^2/\text{NDF}: 41.1/39$

- sign 0.006 ± 0.007 $\chi^2/\text{NDF}: 27.6/20$

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.522 $\pm$ 0.006 χ^2 /NDF: 705998.4/15

Left Out: 19.815 $\pm$ 0.010 χ^2 /NDF: 34703.6/2

Right Out: 20.282 $\pm$ 0.006 χ^2 /NDF: 864352.6/18

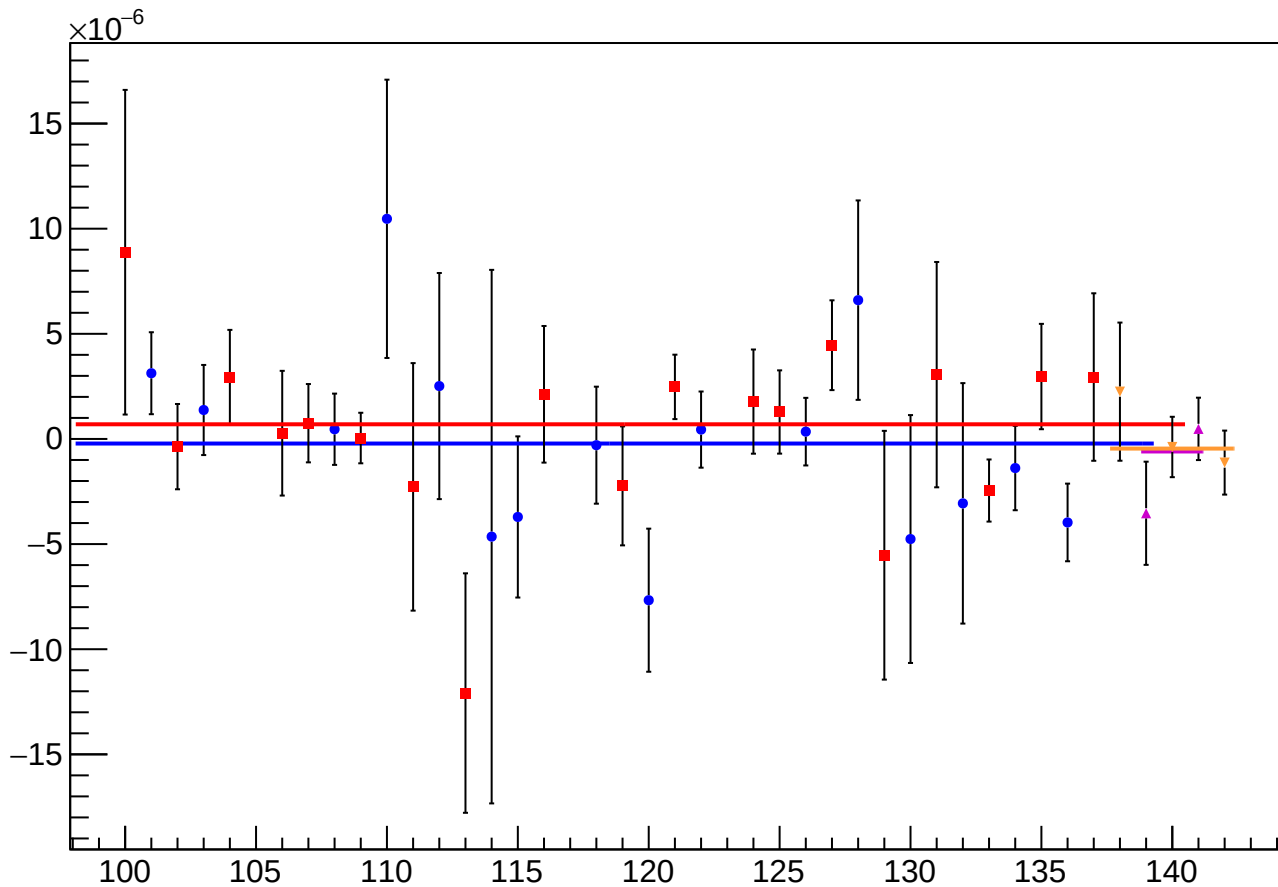
Left In: 16.174 $\pm$ 0.009 χ^2 /NDF: 7084.9/1

+ sign 20.351 $\pm$ 0.005 χ^2 /NDF: 744427.7/18

All: 19.697 $\pm$ 0.003 χ^2 /NDF: 1803941.4/39

- sign 19.108 $\pm$ 0.005 χ^2 /NDF: 1026540.9/20

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 : 0.9/2

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.0/18

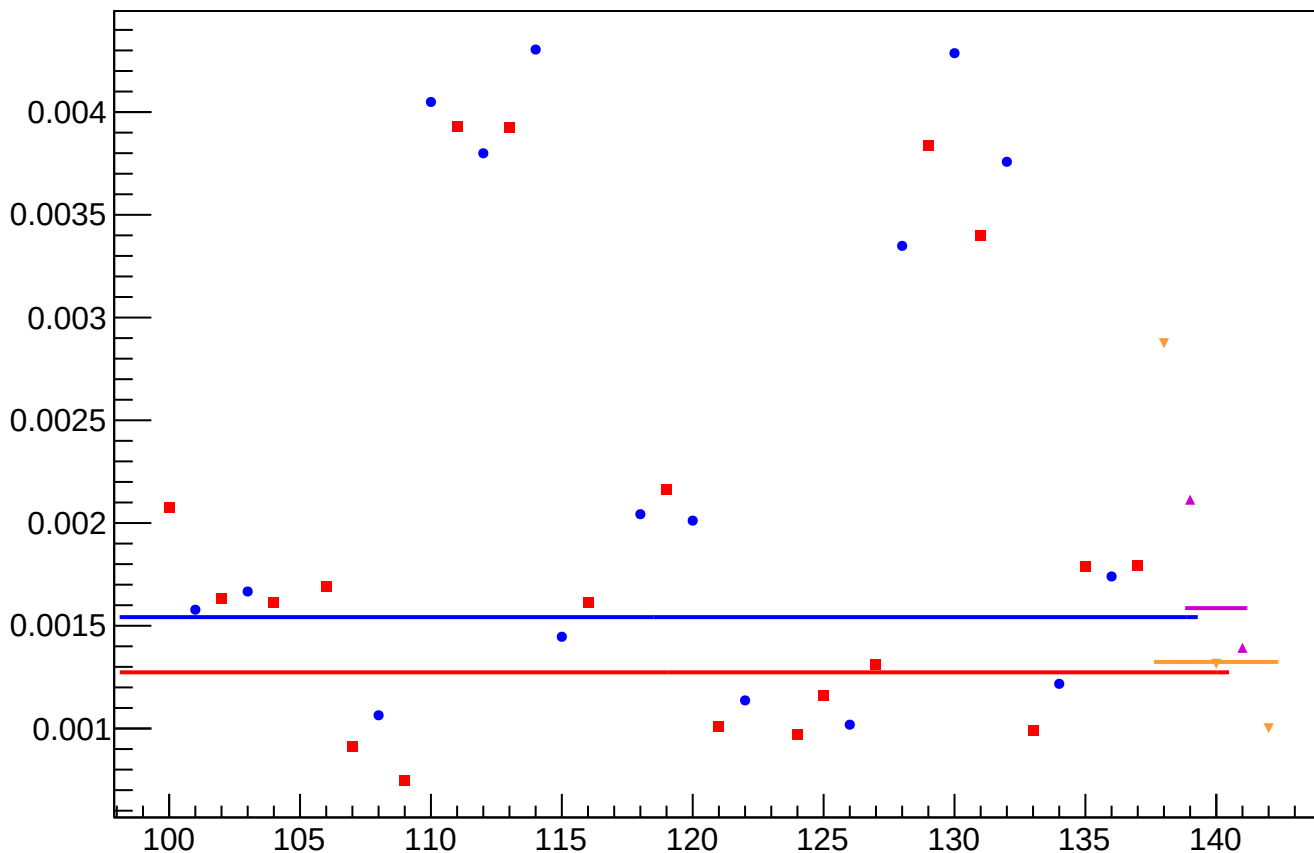
Left In: -0.000 ± 0.000 χ^2/NDF : 2.0/1

+ sign -0.000 ± 0.000 χ^2/NDF : 20.8/18

All: 0.000 ± 0.000 χ^2/NDF : 45.9/39

- sign 0.000 ± 0.000 χ^2/NDF : 23.8/20

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 :535897.7/2

Right Out: 0.001+/-0.000 χ^2/NDF : 2667436.5/18

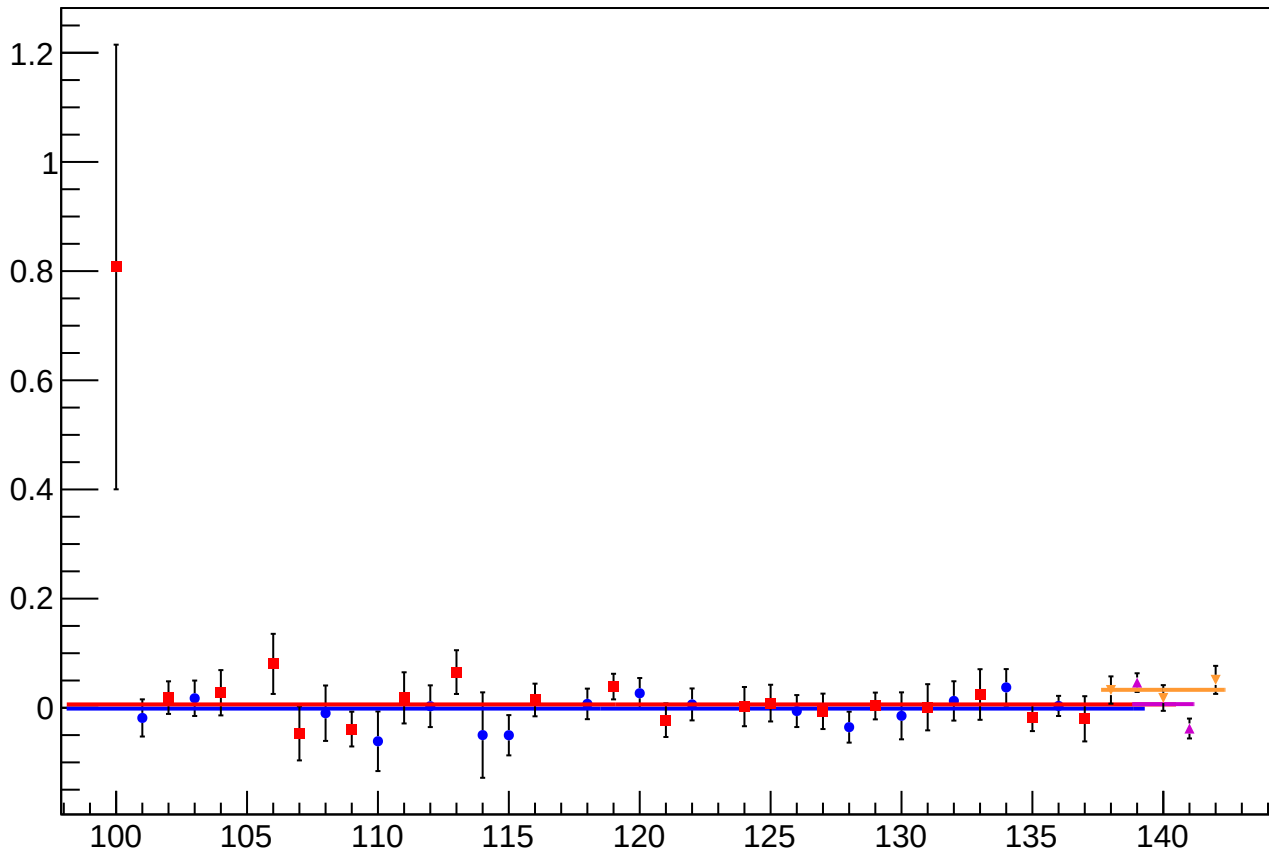
Left In: 0.002+/-0.000 χ^2/NDF :126464.5/1

+ sign 0.001+/-0.000 χ^2/NDF : 3021271.4/18

All: 0.001+/-0.000 χ^2/NDF : 6018212.0/39

- sign 0.001+/-0.000 χ^2/NDF : 2897363.9/20

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: 0.033 ± 0.014 χ^2/NDF : 0.9/2

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

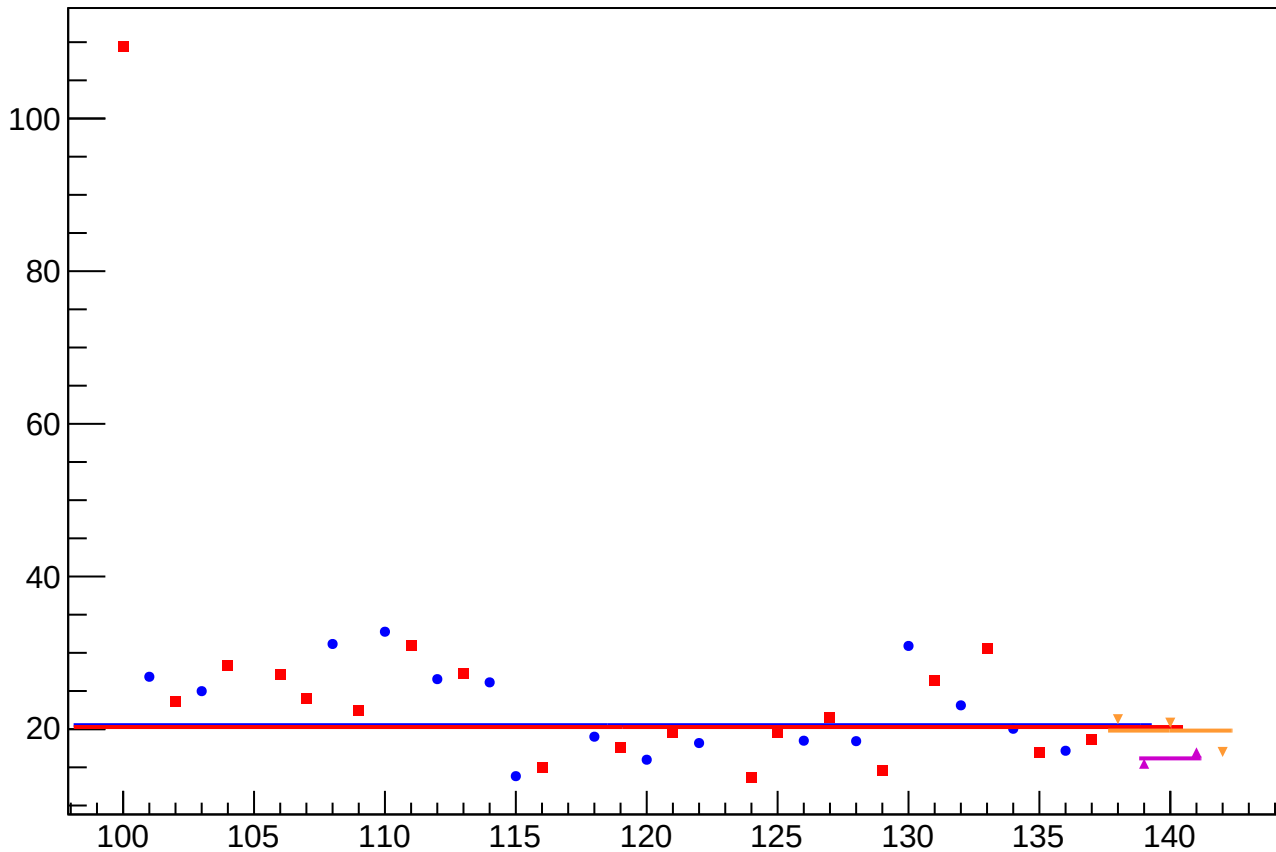
Left In: 0.007 ± 0.012 χ^2/NDF : 11.3/1

+ sign 0.007 ± 0.007 χ^2/NDF : 13.6/18

All: 0.007 ± 0.005 χ^2/NDF : 41.1/39

- sign 0.006 ± 0.007 χ^2/NDF : 27.6/20

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: 19.814 $\pm$ 0.010 χ^2 /NDF:34693.1/2

Right Out: 20.281 $\pm$ 0.006 χ^2 /NDF: 864361.2/18

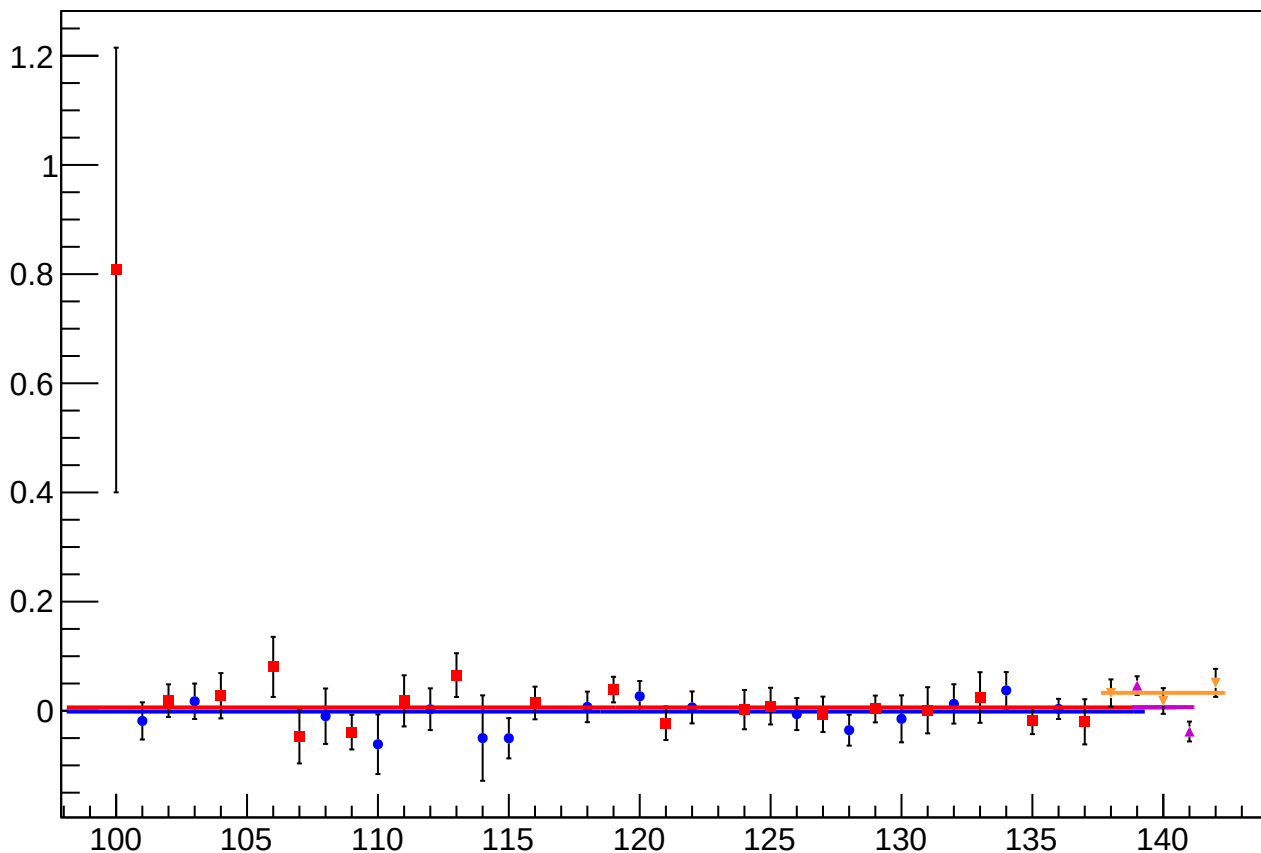
Left In: 16.174 $\pm$ 0.009 χ^2 /NDF:7095.8/1

+ sign 20.350 $\pm$ 0.005 χ^2 /NDF: 744292.4/18

All: 19.697 $\pm$ 0.003 χ^2 /NDF: 1803834.9/39

- sign 19.107 $\pm$ 0.005 χ^2 /NDF: 1026558.6/20

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: 0.033 ± 0.014 χ^2/NDF : 0.9/2

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

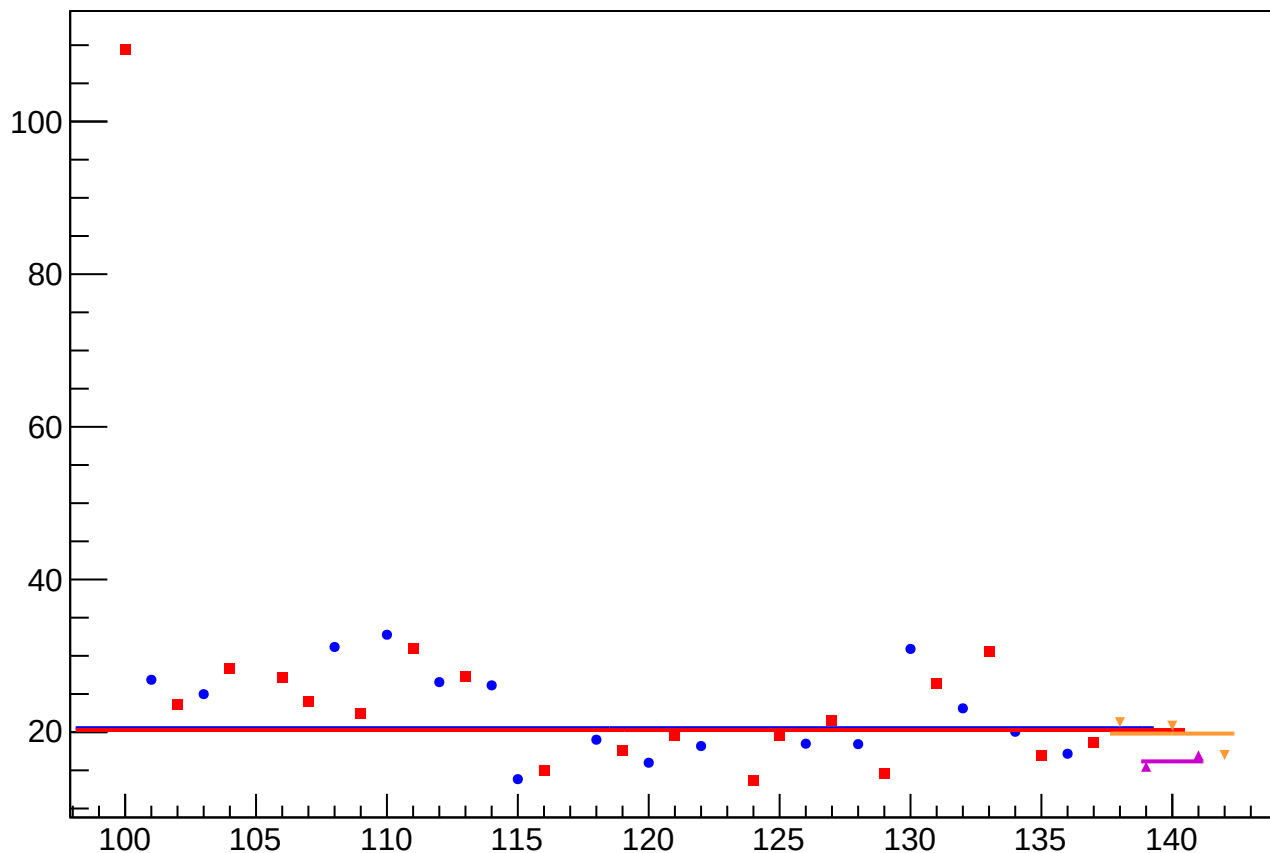
Left In: 0.007 ± 0.012 χ^2/NDF : 11.3/1

+ sign 0.007 ± 0.007 χ^2/NDF : 13.6/18

All: 0.007 ± 0.005 χ^2/NDF : 41.1/39

- sign 0.006 ± 0.007 χ^2/NDF : 27.6/20

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.521+/-0.006 χ^2 /NDF: 705877.0/15

Left Out: 19.814+/-0.010 χ^2 /NDF: 34693.1/2

Right Out: 20.281+/-0.006 χ^2 /NDF: 864361.2/18

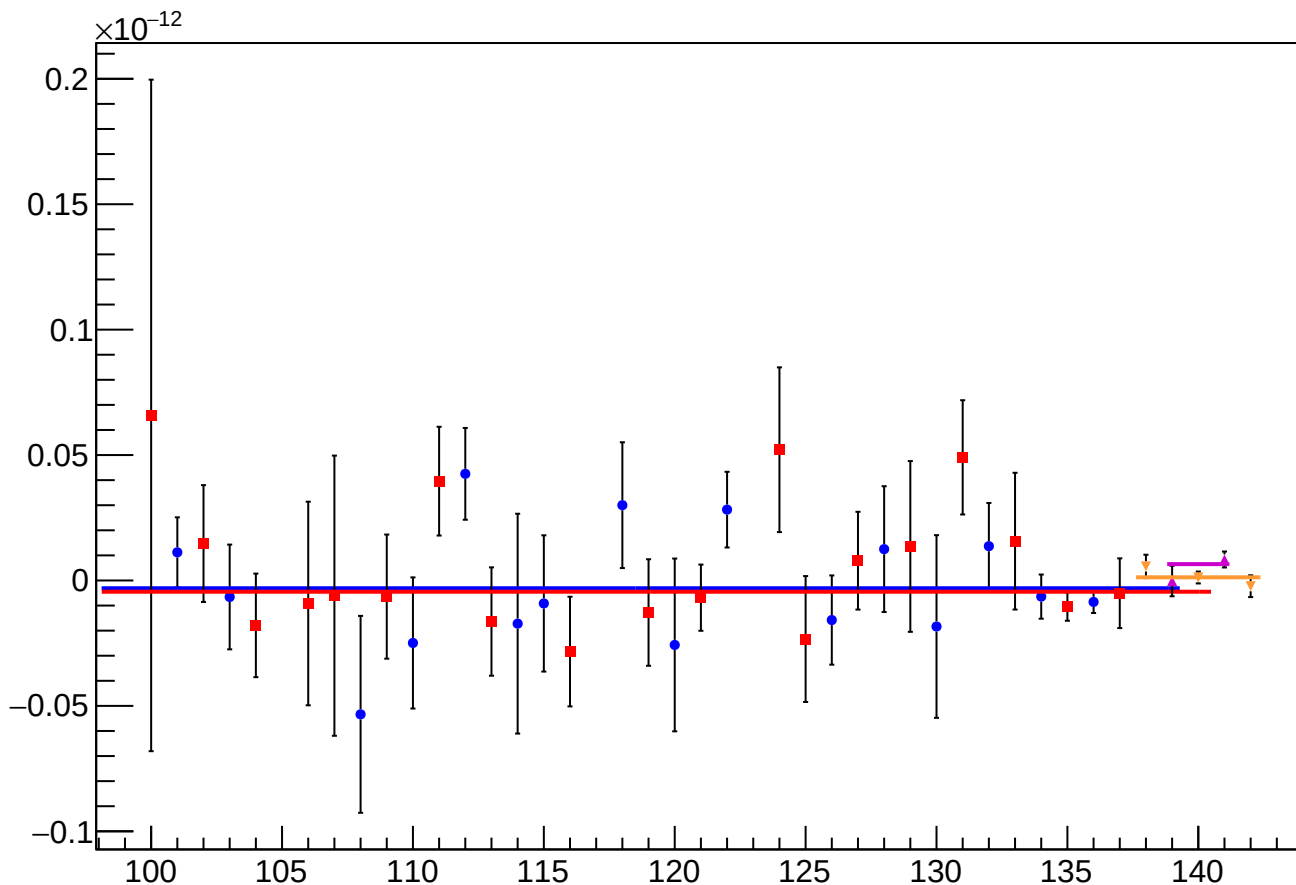
Left In: 16.174+/-0.009 χ^2 /NDF: 7095.8/1

+ sign 20.350+/-0.005 χ^2 /NDF: 744292.4/18

All: 19.697+/-0.003 χ^2 /NDF: 1803834.9/39

- sign 19.107+/-0.005 χ^2 /NDF: 1026558.6/20

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 : 1.5/2

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.6/18

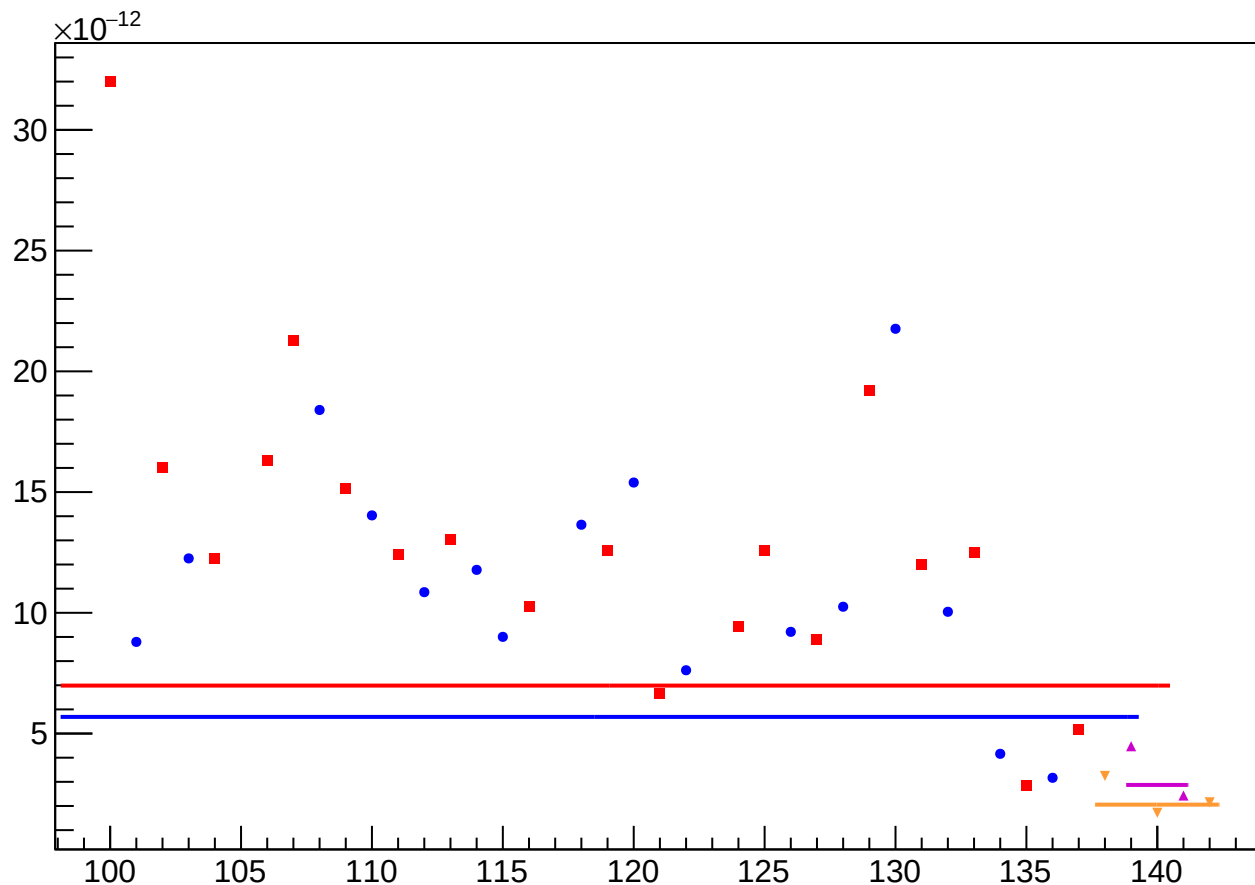
Left In: 0.000 ± 0.000 χ^2/NDF : 1.6/1

+ sign 0.000 ± 0.000 χ^2/NDF : 22.8/18

All: 0.000 ± 0.000 χ^2/NDF : 49.1/39

- sign 0.000 ± 0.000 χ^2/NDF : 25.5/20

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2705902.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:171538.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3108073.7/18

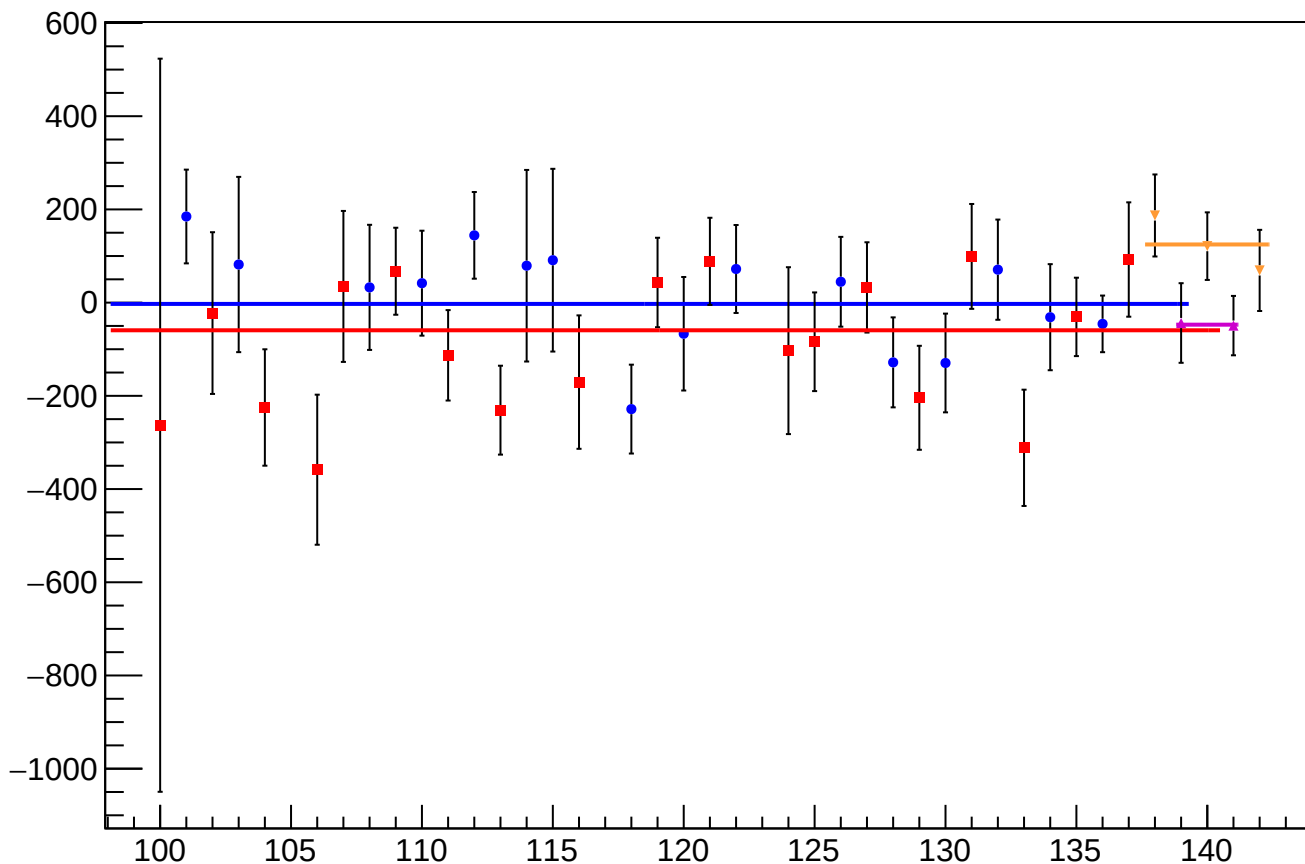
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:177055.9/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4735399.6/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9943801.6/39

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4764536.4/20

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766 ± 26.213 χ^2/NDF : 17.7/15

Left Out: 124.795 ± 47.071 χ^2/NDF : 0.9/2

Right Out: -59.349 ± 26.382 χ^2/NDF : 25.7/18

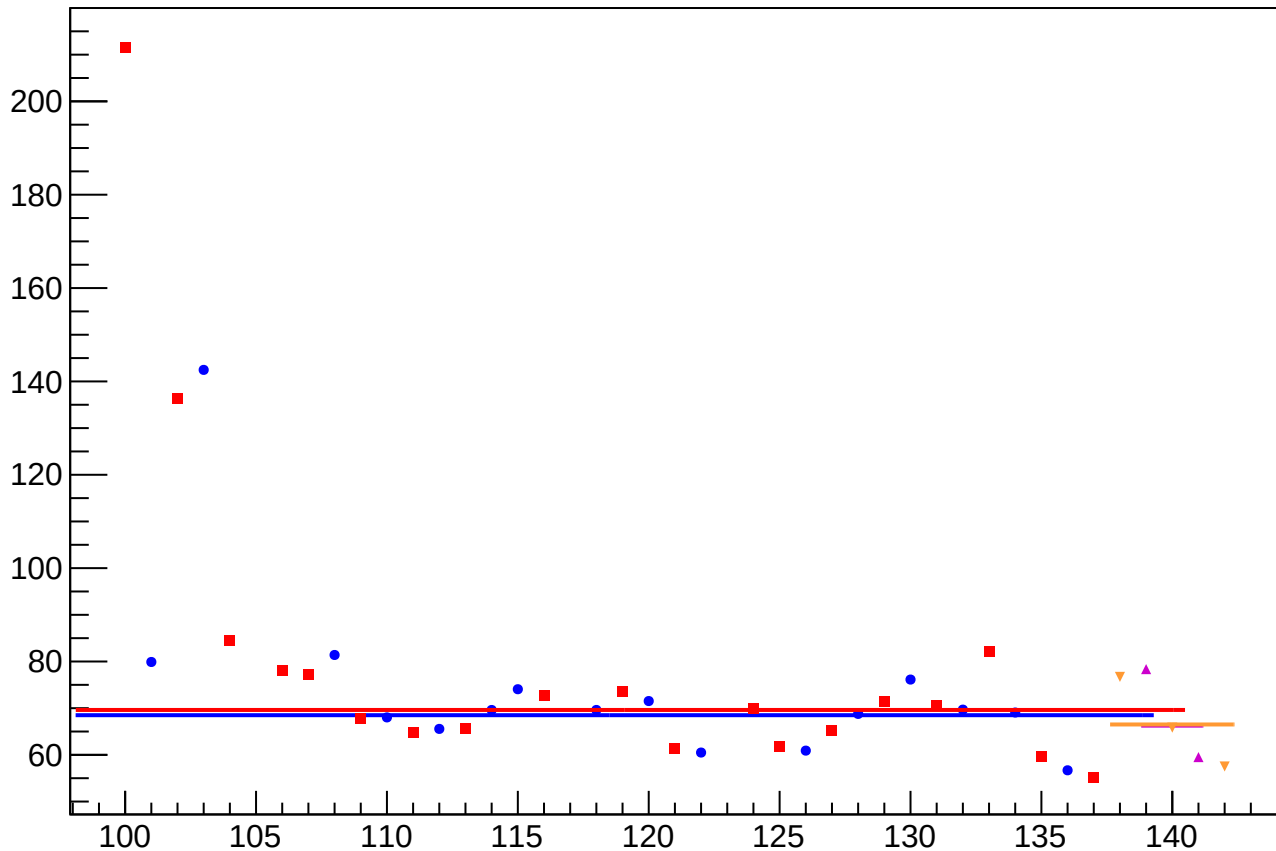
Left In: -47.304 ± 51.067 χ^2/NDF : 0.0/1

+ sign 27.429 ± 22.901 χ^2/NDF : 24.2/18

All: -13.713 ± 16.381 χ^2/NDF : 56.6/39

- sign -56.811 ± 23.439 χ^2/NDF : 25.8/20

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499 $\pm$ 0.019 χ^2 /NDF: 471865.0/15

Left Out: 66.510 $\pm$ 0.033 χ^2 /NDF:48390.7/2

Right Out: 69.620 $\pm$ 0.019 χ^2 /NDF: 520403.9/18

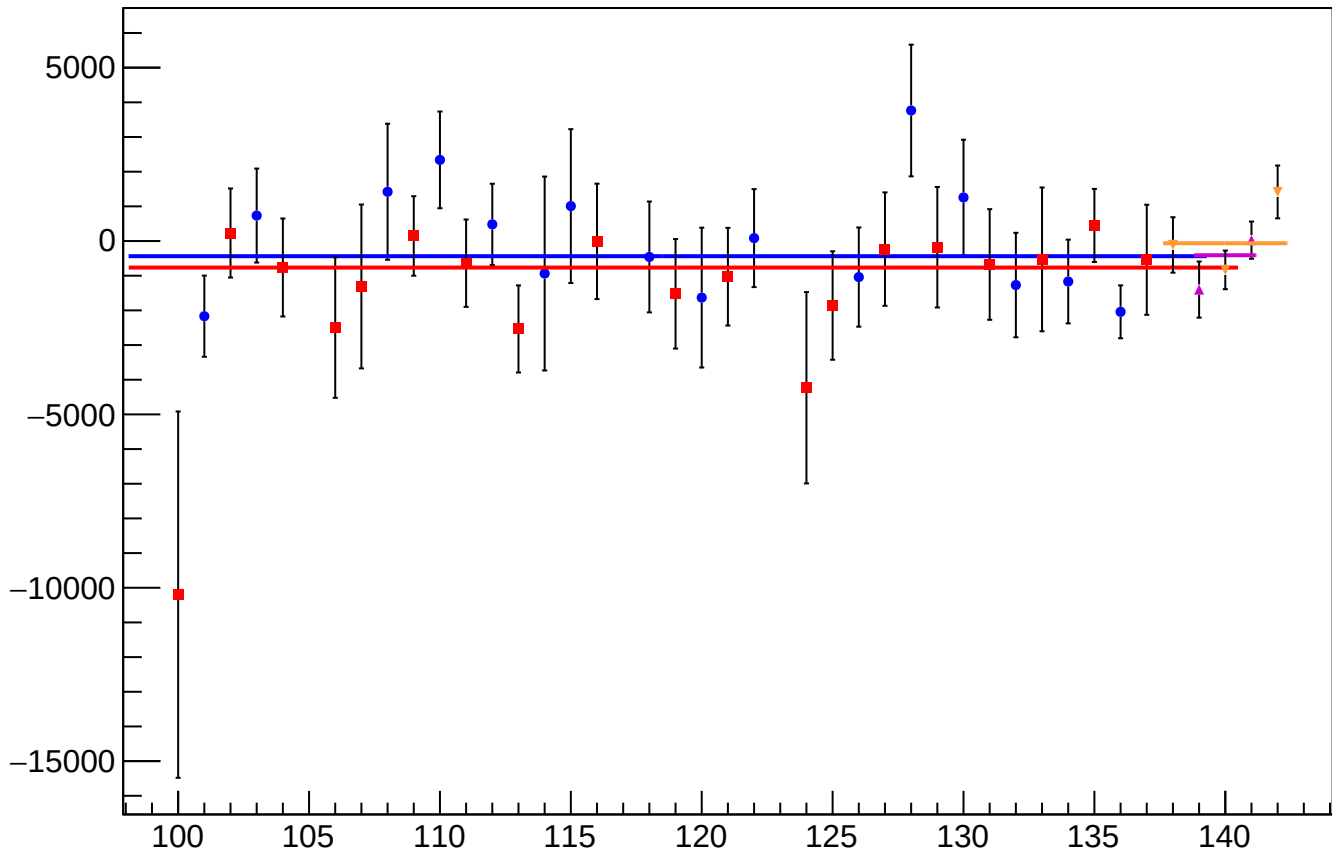
Left In: 66.261 $\pm$ 0.036 χ^2 /NDF:62569.9/1

+ sign 68.028 $\pm$ 0.016 χ^2 /NDF: 522979.0/18

All: 68.460 $\pm$ 0.012 χ^2 /NDF: 1114237.3/39

- sign 68.912 $\pm$ 0.017 χ^2 /NDF: 589802.2/20

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -437.444+/-348.880 χ^2/NDF : 20.6/15

Left Out: -64.099+/-391.901 χ^2/NDF : 5.7/2

Right Out: -765.341+/-353.052 χ^2/NDF : 11.3/18

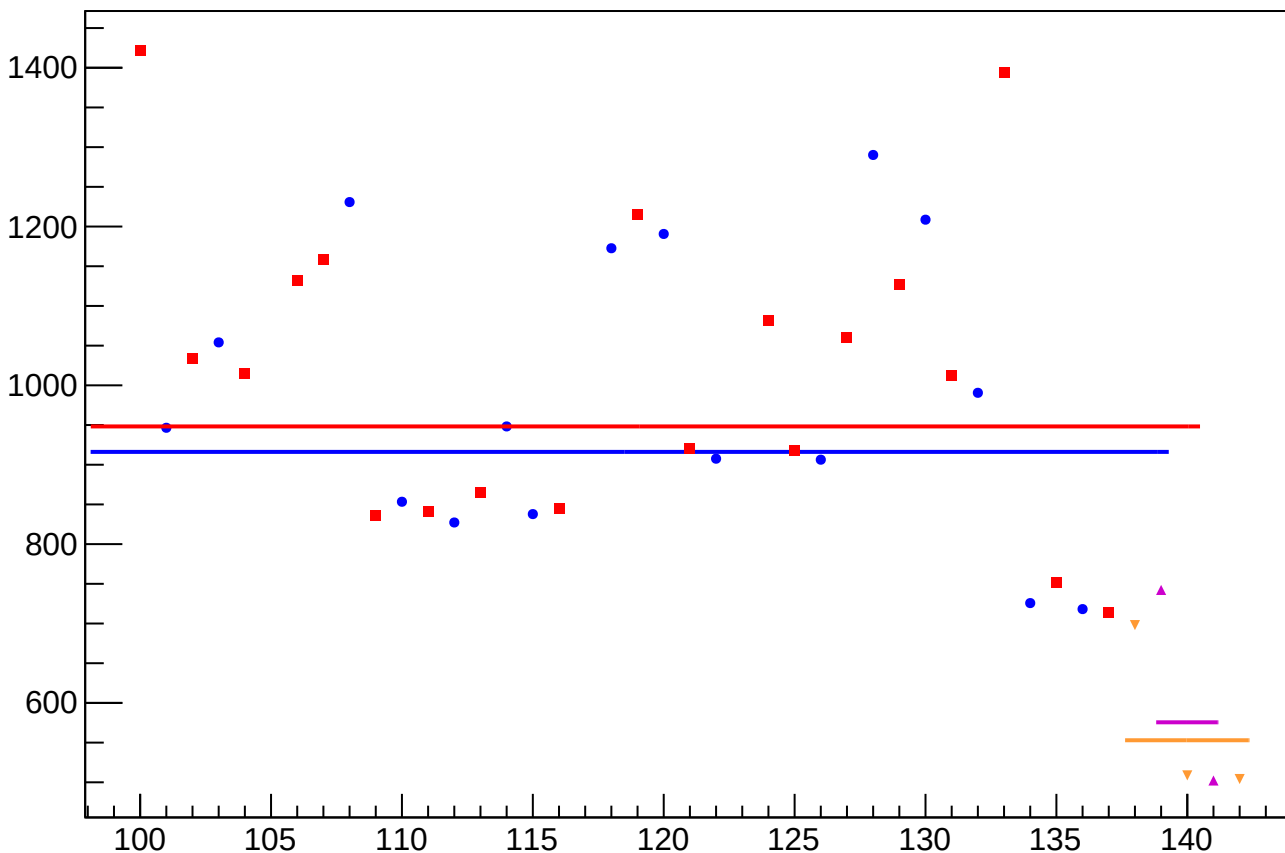
Left In: -410.028+/-447.093 χ^2/NDF : 2.2/1

+ sign -272.381+/-260.583 χ^2/NDF : 26.7/18

All: -439.701+/-189.824 χ^2/NDF : 41.5/39

- sign -628.875+/-277.079 χ^2/NDF : 13.9/20

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 916.171+/-0.247 χ^2/NDF : 509126.4/15

Left Out: 552.961+/-0.277 χ^2/NDF : 86628.2/2

Right Out: 948.235+/-0.250 χ^2/NDF : 415192.3/18

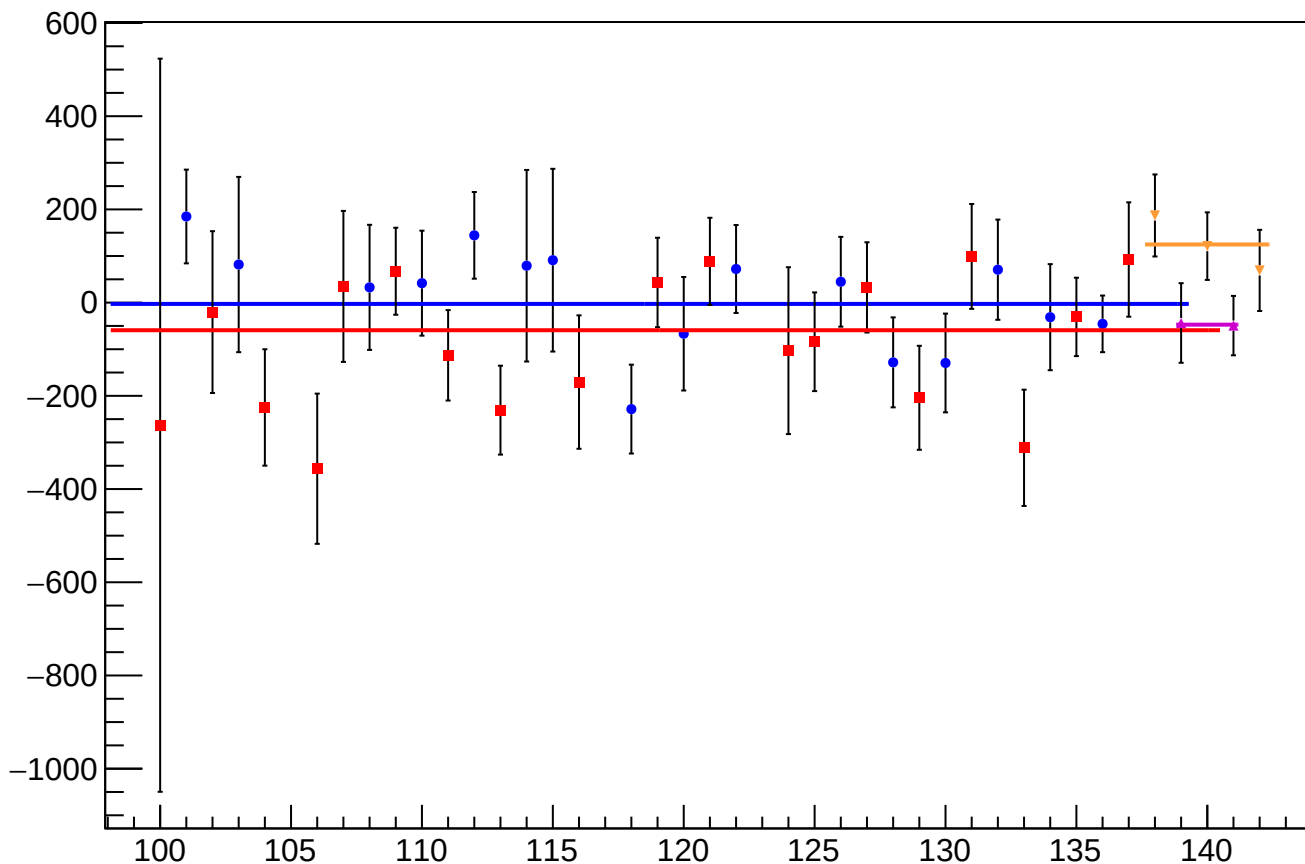
Left In: 575.577+/-0.316 χ^2/NDF : 122279.0/1

+ sign 755.588+/-0.184 χ^2/NDF : 1554124.0/18

All: 778.830+/-0.134 χ^2/NDF : 2981323.9/39

- sign 805.108+/-0.196 χ^2/NDF : 1393301.6/20

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773 ± 26.213 χ^2/NDF : 17.7/15

Left Out: 124.805 ± 47.071 χ^2/NDF : 0.9/2

Right Out: -59.226 ± 26.384 χ^2/NDF : 25.7/18

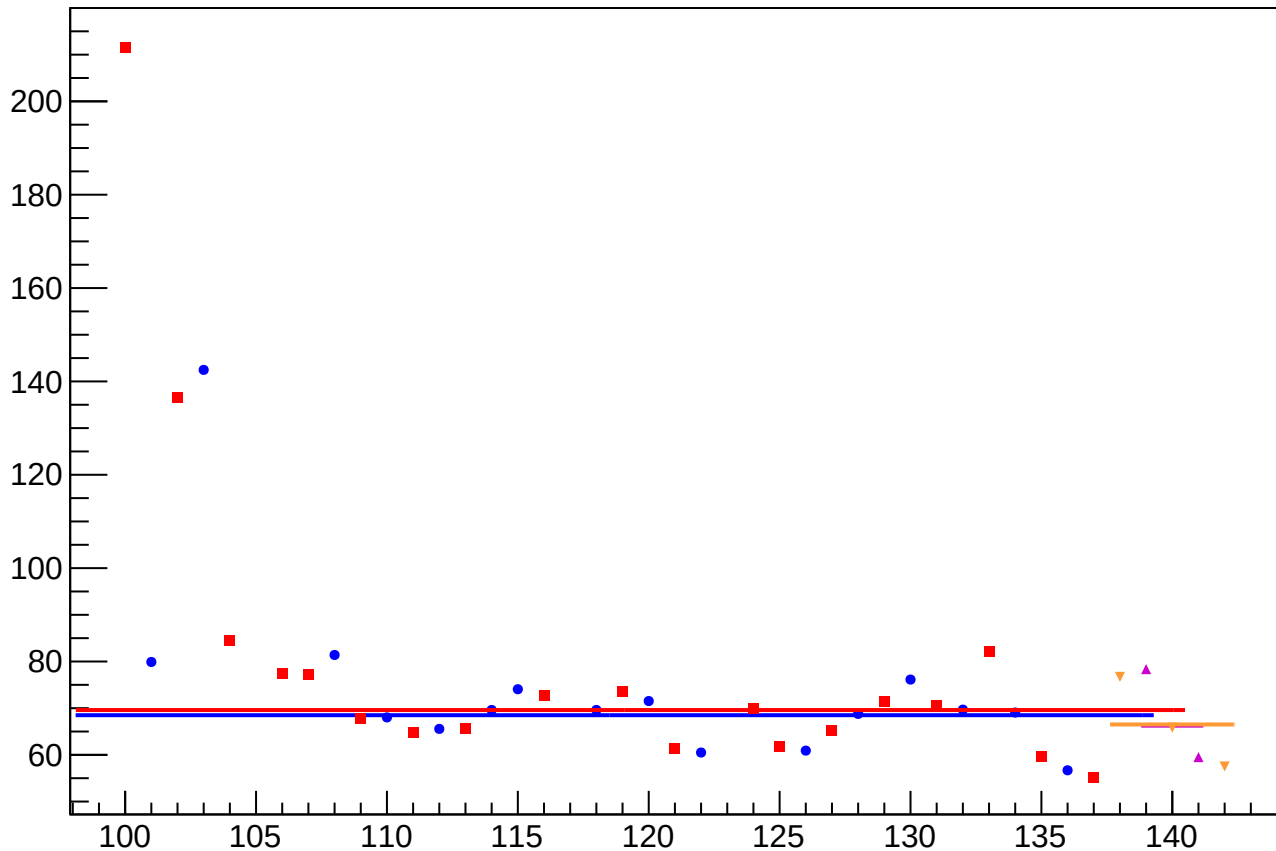
Left In: -47.312 ± 51.067 χ^2/NDF : 0.0/1

+ sign 27.426 ± 22.901 χ^2/NDF : 24.2/18

All: -13.667 ± 16.381 χ^2/NDF : 56.5/39

- sign -56.716 ± 23.440 χ^2/NDF : 25.7/20

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF : 471868.0/15

Left Out: 66.510+/-0.033 χ^2/NDF : 48390.7/2

Right Out: 69.600+/-0.019 χ^2/NDF : 519788.9/18

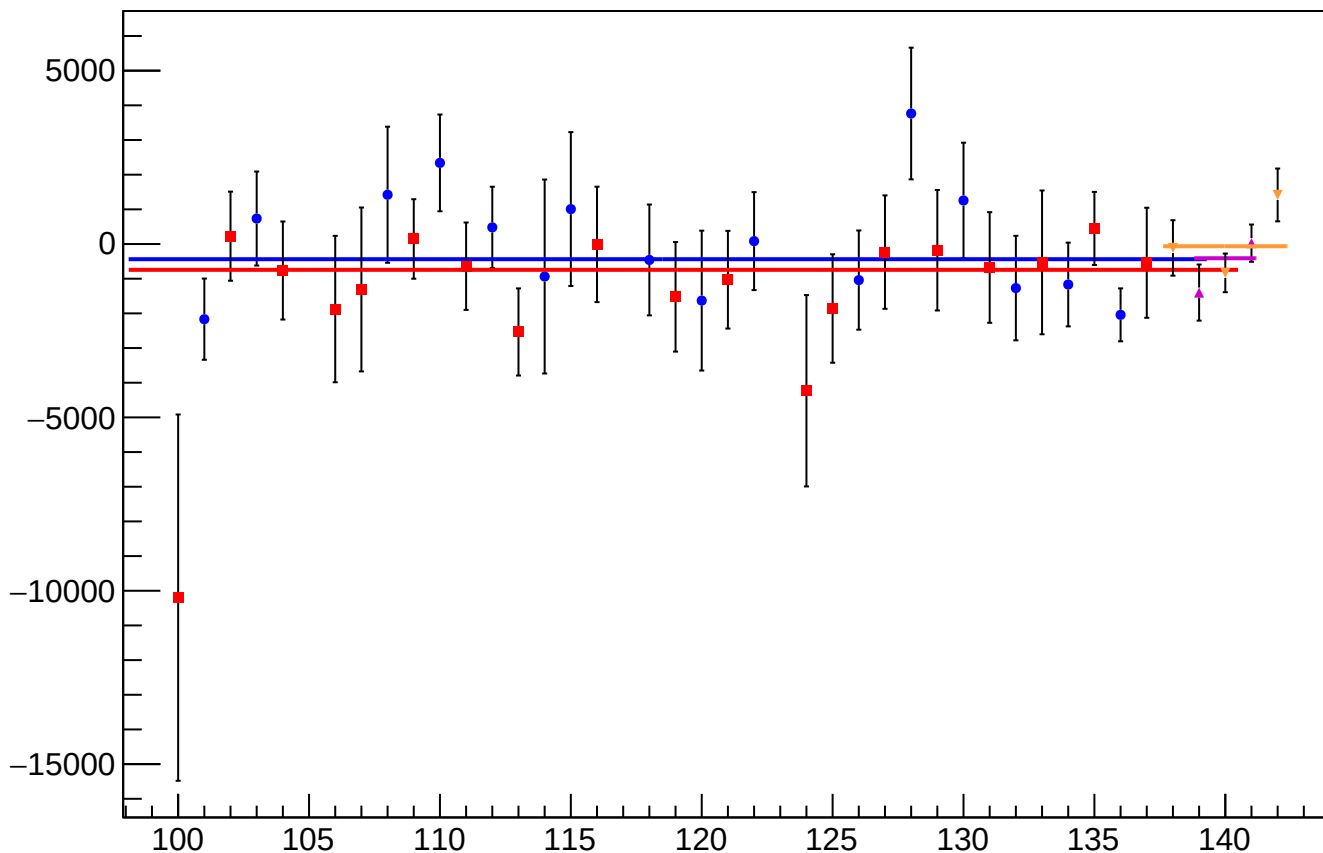
Left In: 66.261+/-0.036 χ^2/NDF : 62569.9/1

+ sign 68.028+/-0.016 χ^2/NDF : 522982.1/18

All: 68.452+/-0.012 χ^2/NDF : 1113497.4/39

- sign 68.897+/-0.017 χ^2/NDF : 589109.1/20

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -437.415+/-348.881 χ^2/NDF : 20.6/15

Left Out: -64.083+/-391.900 χ^2/NDF : 5.7/2

Right Out: -744.388+/-353.488 χ^2/NDF : 10.9/18

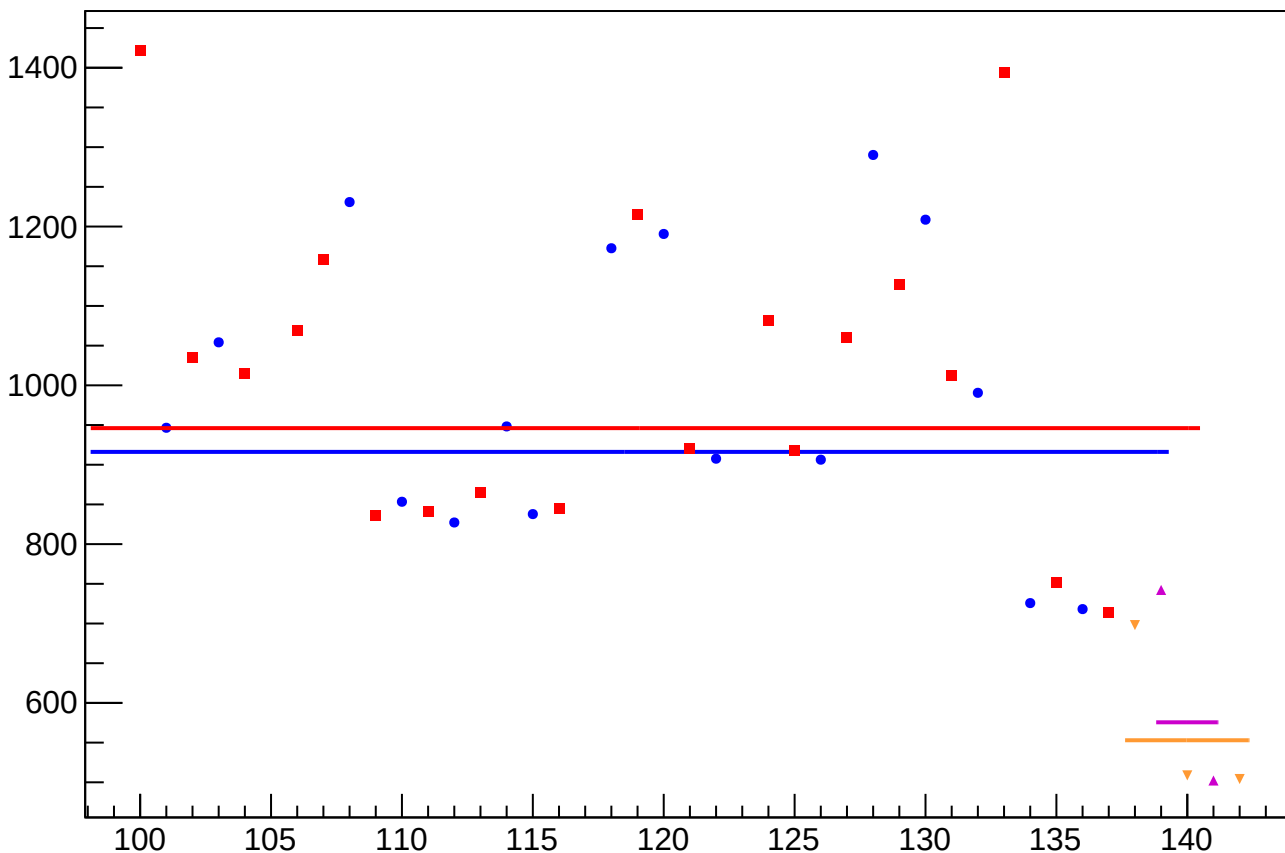
Left In: -410.042+/-447.093 χ^2/NDF : 2.2/1

+ sign -272.357+/-260.584 χ^2/NDF : 26.7/18

All: -433.412+/-189.892 χ^2/NDF : 40.9/39

- sign -615.780+/-277.290 χ^2/NDF : 13.4/20

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF : 509149.2/15

Left Out: 552.960+/-0.277 χ^2/NDF : 86628.4/2

Right Out: 946.093+/-0.250 χ^2/NDF : 405411.3/18

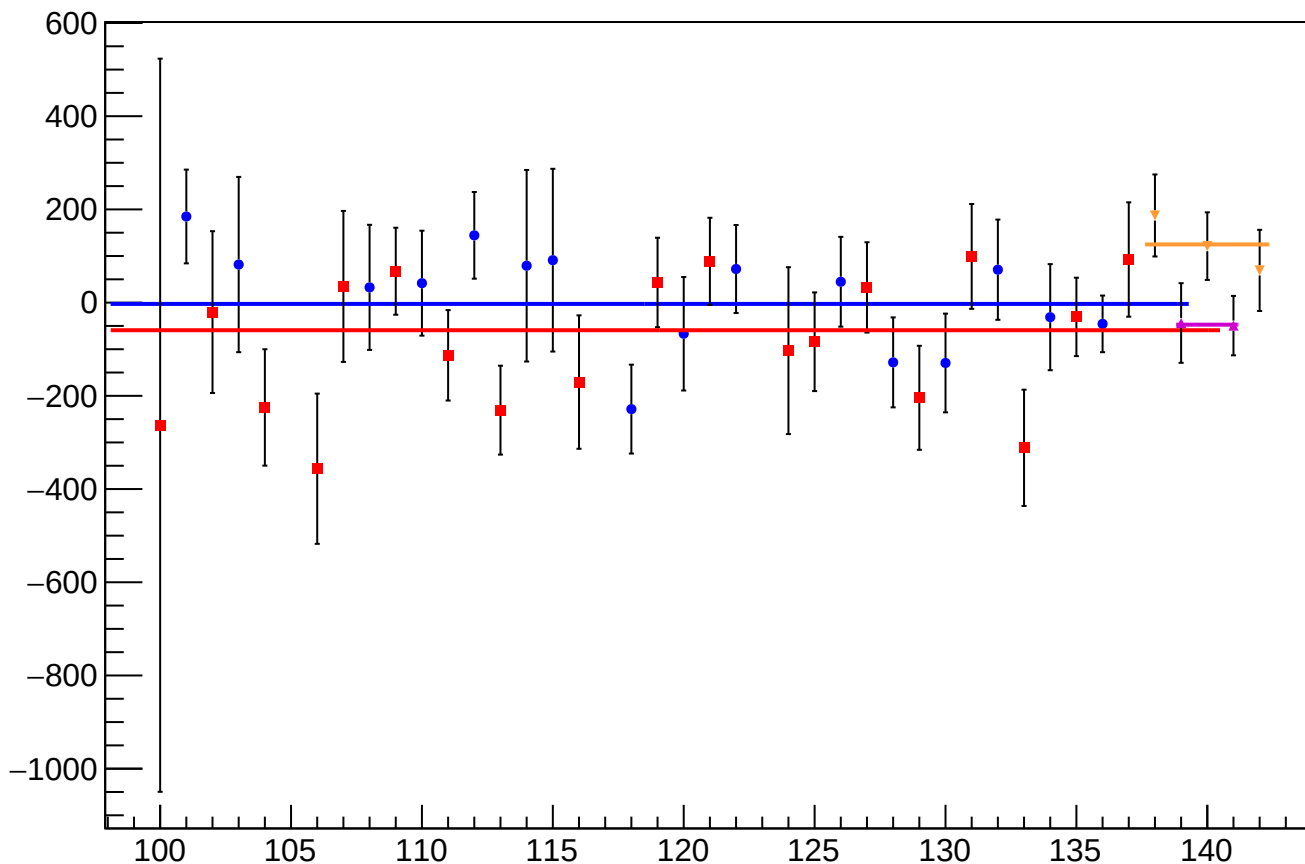
Left In: 575.577+/-0.316 χ^2/NDF : 122277.7/1

+ sign 755.589+/-0.184 χ^2/NDF : 1554167.9/18

All: 778.092+/-0.134 χ^2/NDF : 2958869.6/39

- sign 803.572+/-0.196 χ^2/NDF : 1372899.9/20

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773 ± 26.213 χ^2/NDF : 17.7/15

Left Out: 124.805 ± 47.071 χ^2/NDF : 0.9/2

Right Out: -59.226 ± 26.384 χ^2/NDF : 25.7/18

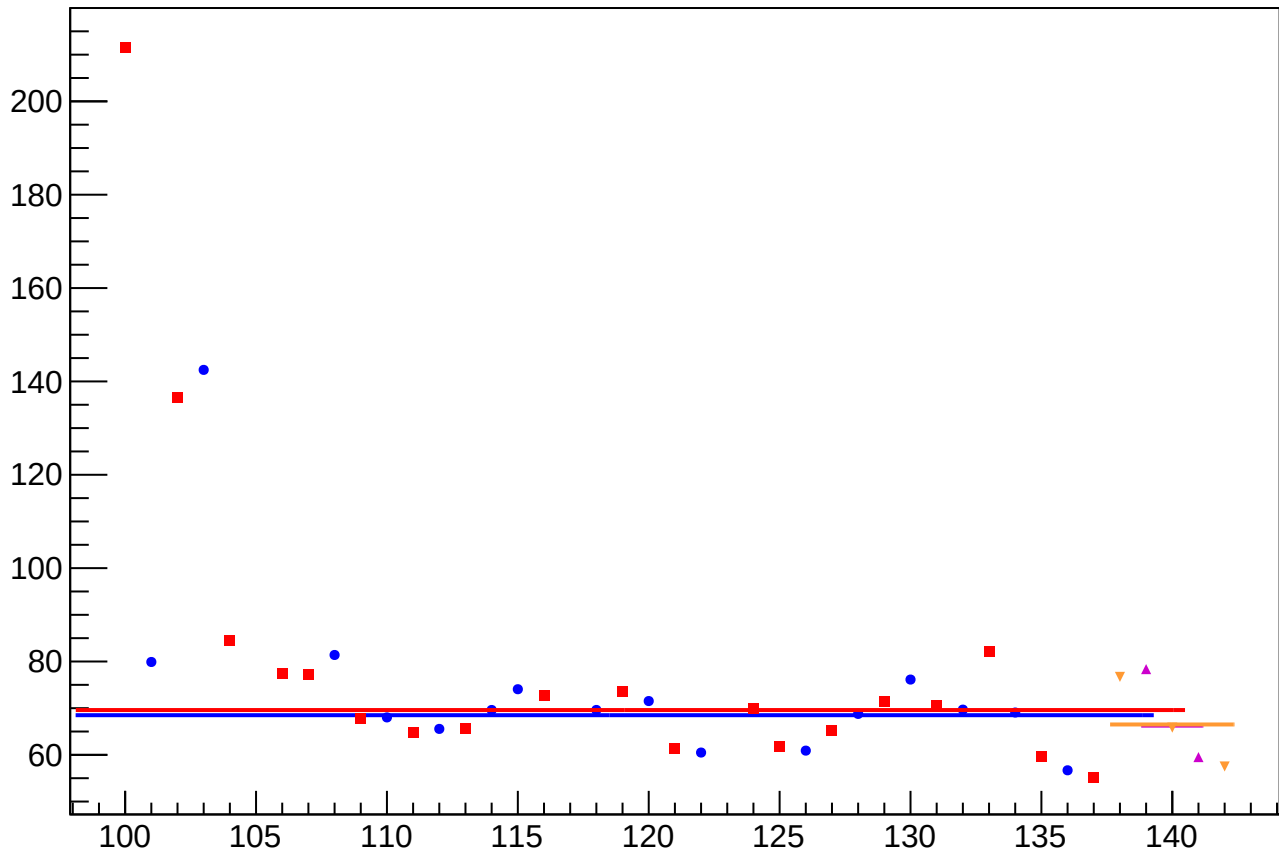
Left In: -47.312 ± 51.067 χ^2/NDF : 0.0/1

+ sign 27.426 ± 22.901 χ^2/NDF : 24.2/18

All: -13.667 ± 16.381 χ^2/NDF : 56.5/39

- sign -56.716 ± 23.440 χ^2/NDF : 25.7/20

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF : 471868.0/15

Left Out: 66.510+/-0.033 χ^2/NDF :48390.7/2

Right Out: 69.600+/-0.019 χ^2/NDF : 519788.9/18

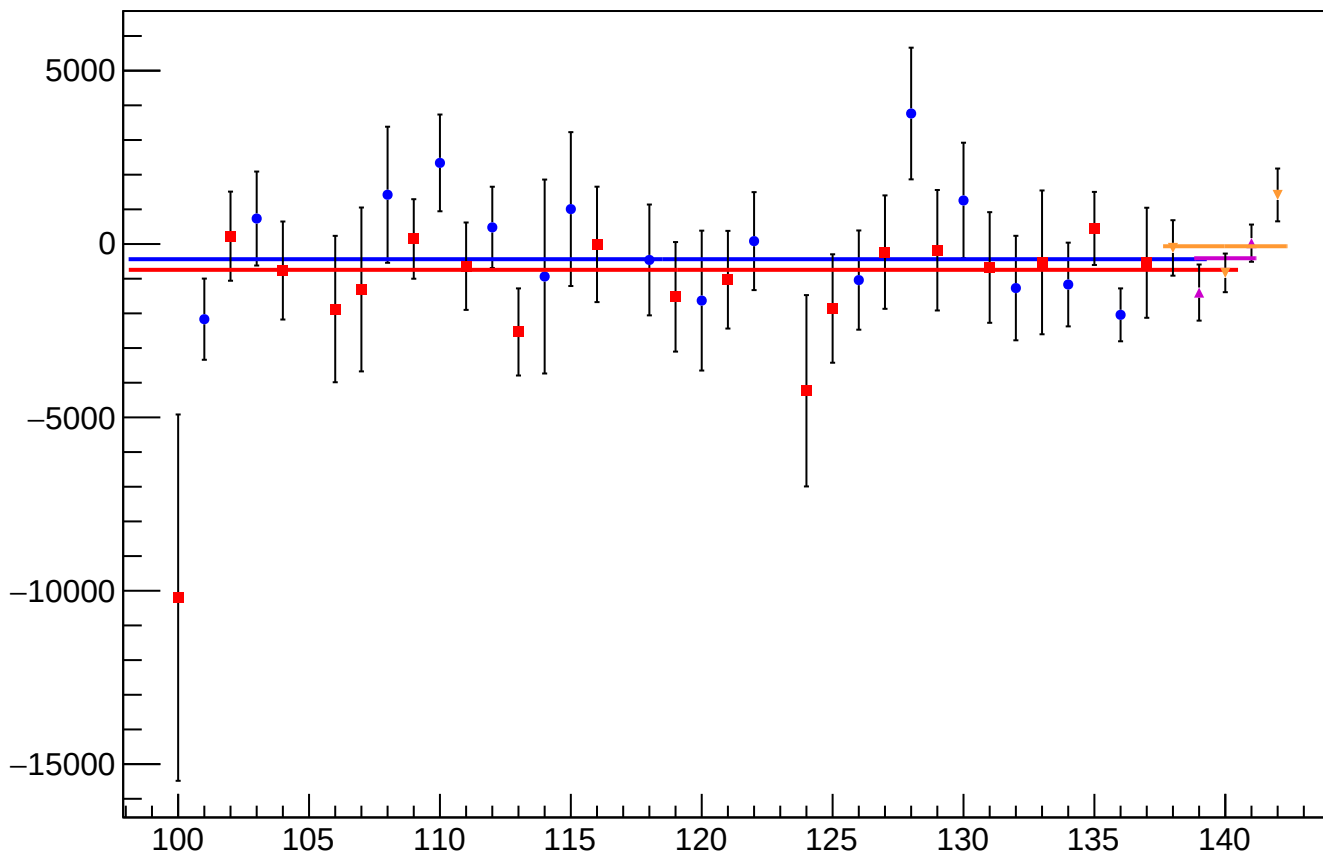
Left In: 66.261+/-0.036 χ^2/NDF :62569.9/1

+ sign 68.028+/-0.016 χ^2/NDF : 522982.1/18

All: 68.452+/-0.012 χ^2/NDF : 1113497.4/39

- sign 68.897+/-0.017 χ^2/NDF : 589109.1/20

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug



Right In: -437.415+/-348.881 χ^2/NDF : 20.6/15

Left Out: -64.083+/-391.900 χ^2/NDF : 5.7/2

Right Out: -744.388+/-353.488 χ^2/NDF : 10.9/18

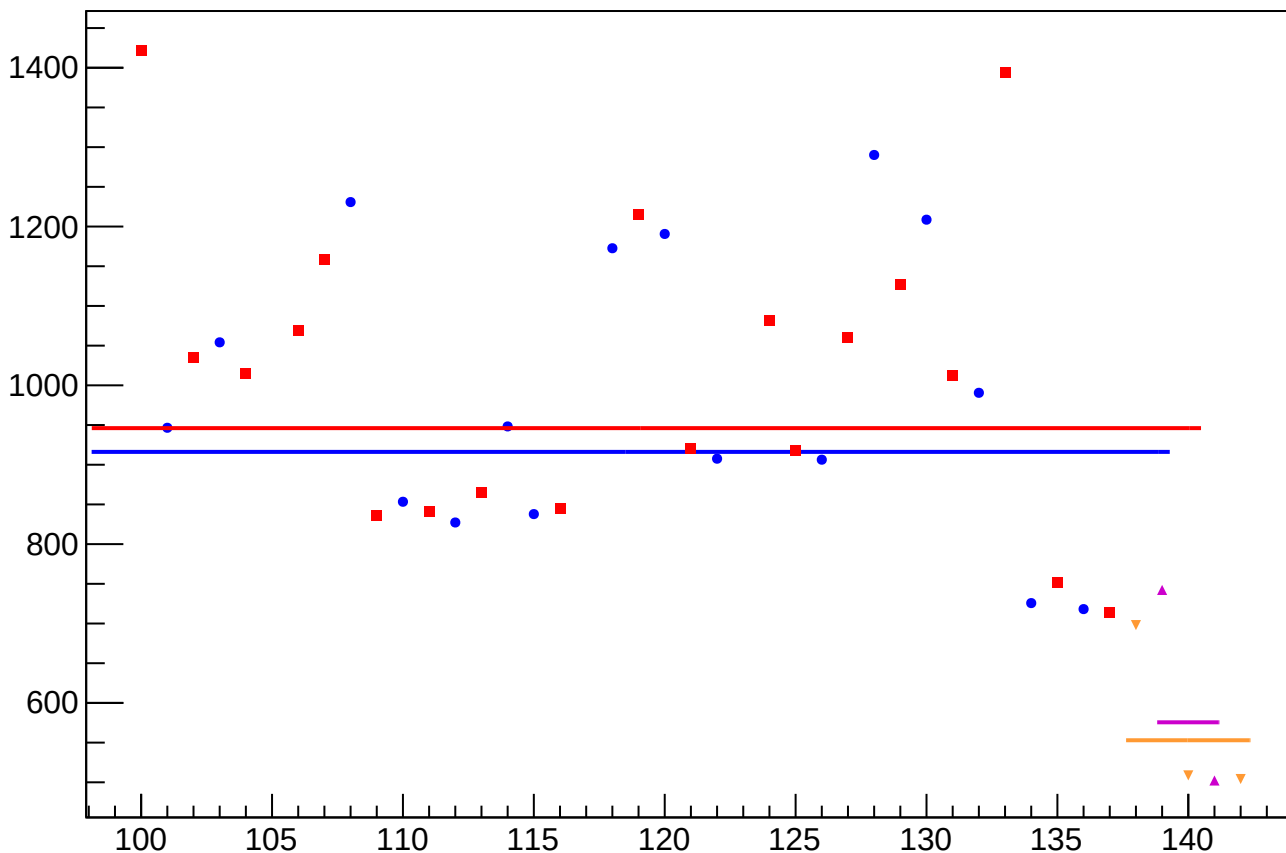
Left In: -410.042+/-447.093 χ^2/NDF : 2.2/1

+ sign -272.357+/-260.584 χ^2/NDF : 26.7/18

All: -433.412+/-189.892 χ^2/NDF : 40.9/39

- sign -615.780+/-277.290 χ^2/NDF : 13.4/20

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF : 509149.2/15

Left Out: 552.960+/-0.277 χ^2/NDF : 86628.4/2

Right Out: 946.093+/-0.250 χ^2/NDF : 405411.3/18

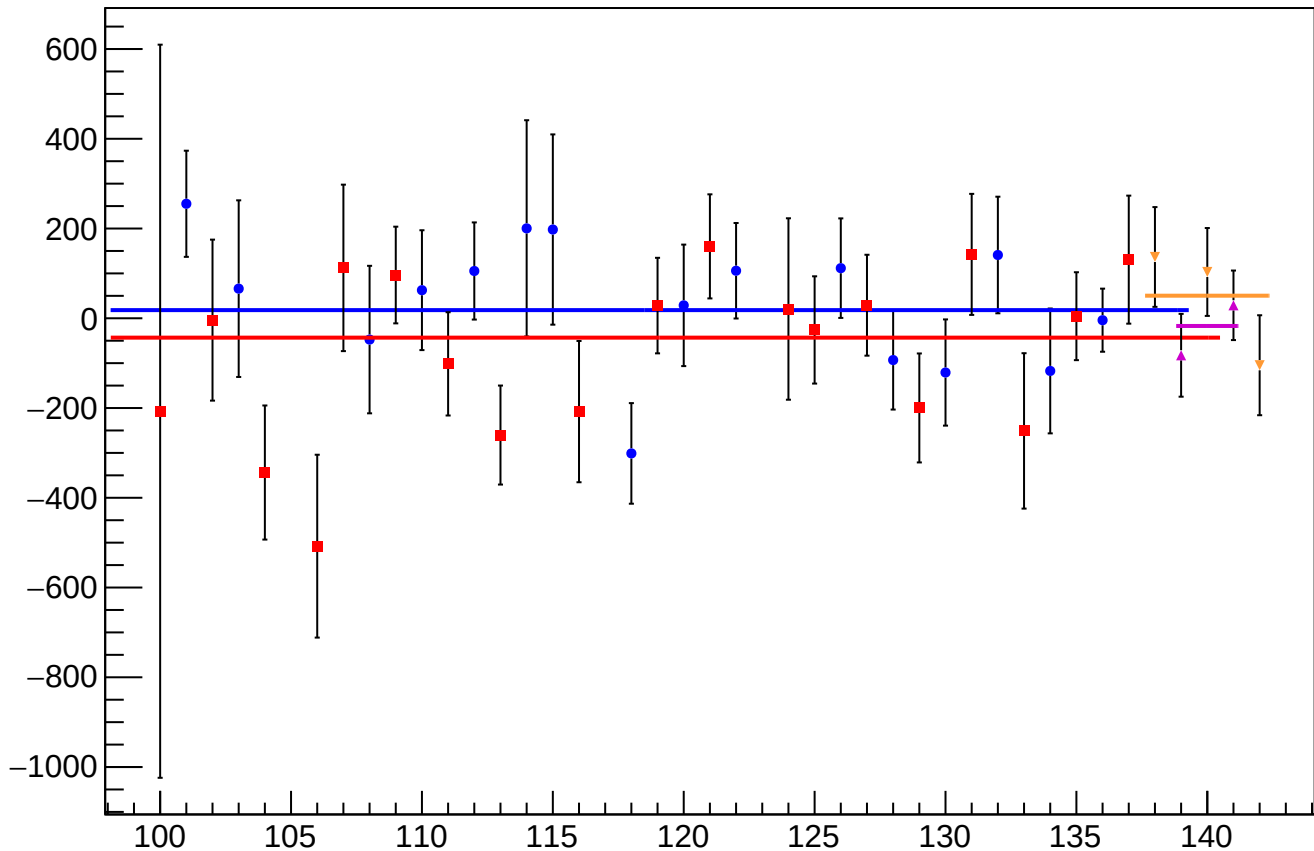
Left In: 575.577+/-0.316 χ^2/NDF : 122277.7/1

+ sign 755.589+/-0.184 χ^2/NDF : 1554167.9/18

All: 778.092+/-0.134 χ^2/NDF : 2958869.6/39

- sign 803.572+/-0.196 χ^2/NDF : 1372899.9/20

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF : 20.1/15

Left Out: 50.333+/-61.333 χ^2/NDF : 2.8/2

Right Out: -43.146+/-30.707 χ^2/NDF : 27.7/18

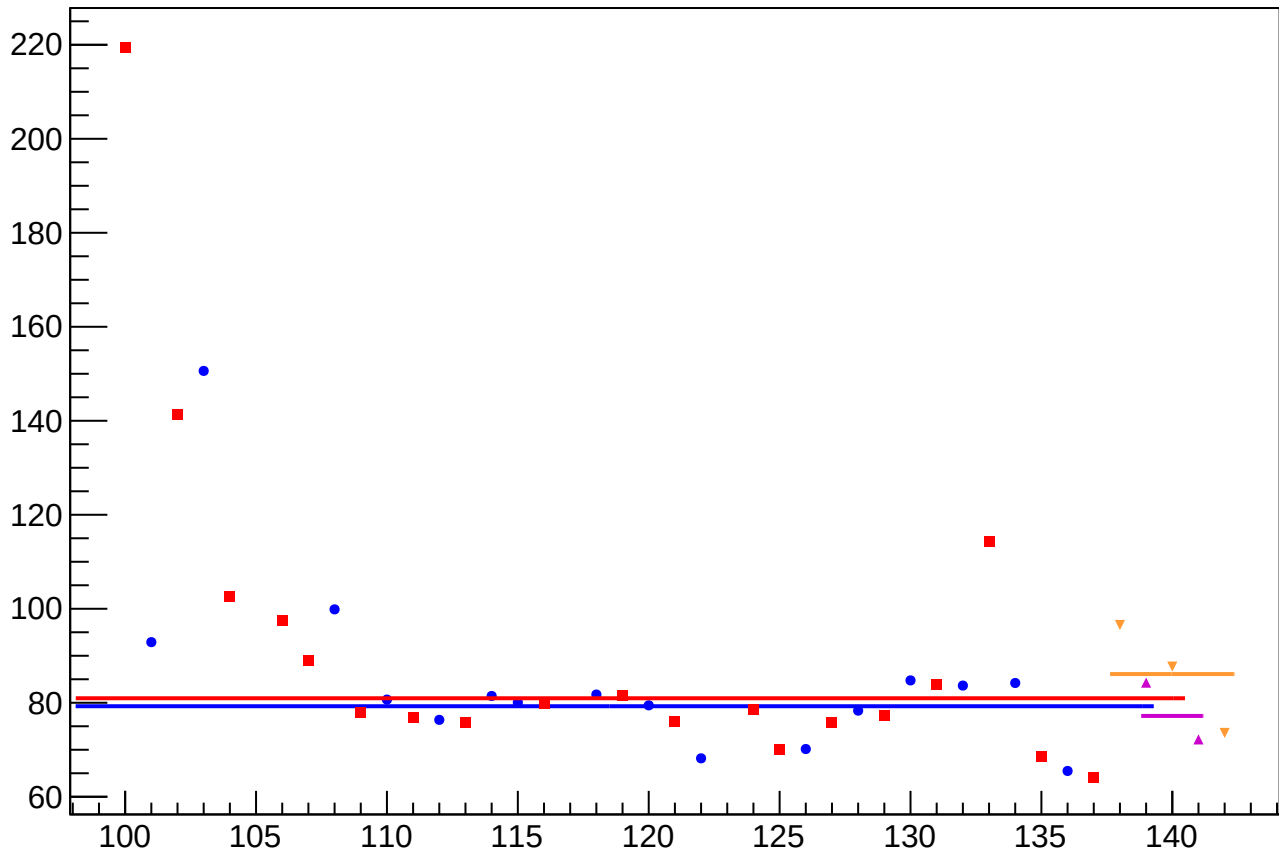
Left In: -17.147+/-59.328 χ^2/NDF : 0.9/1

+ sign 24.500+/-27.199 χ^2/NDF : 23.2/18

All: -6.495+/-19.258 χ^2/NDF : 54.5/39

- sign -37.652+/-27.271 χ^2/NDF : 28.7/20

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263 $\pm$ 0.021 χ^2 /NDF: 444951.1/15

Left Out: 86.109 $\pm$ 0.043 χ^2 /NDF: 43492.6/2

Right Out: 80.958 $\pm$ 0.022 χ^2 /NDF: 514182.4/18

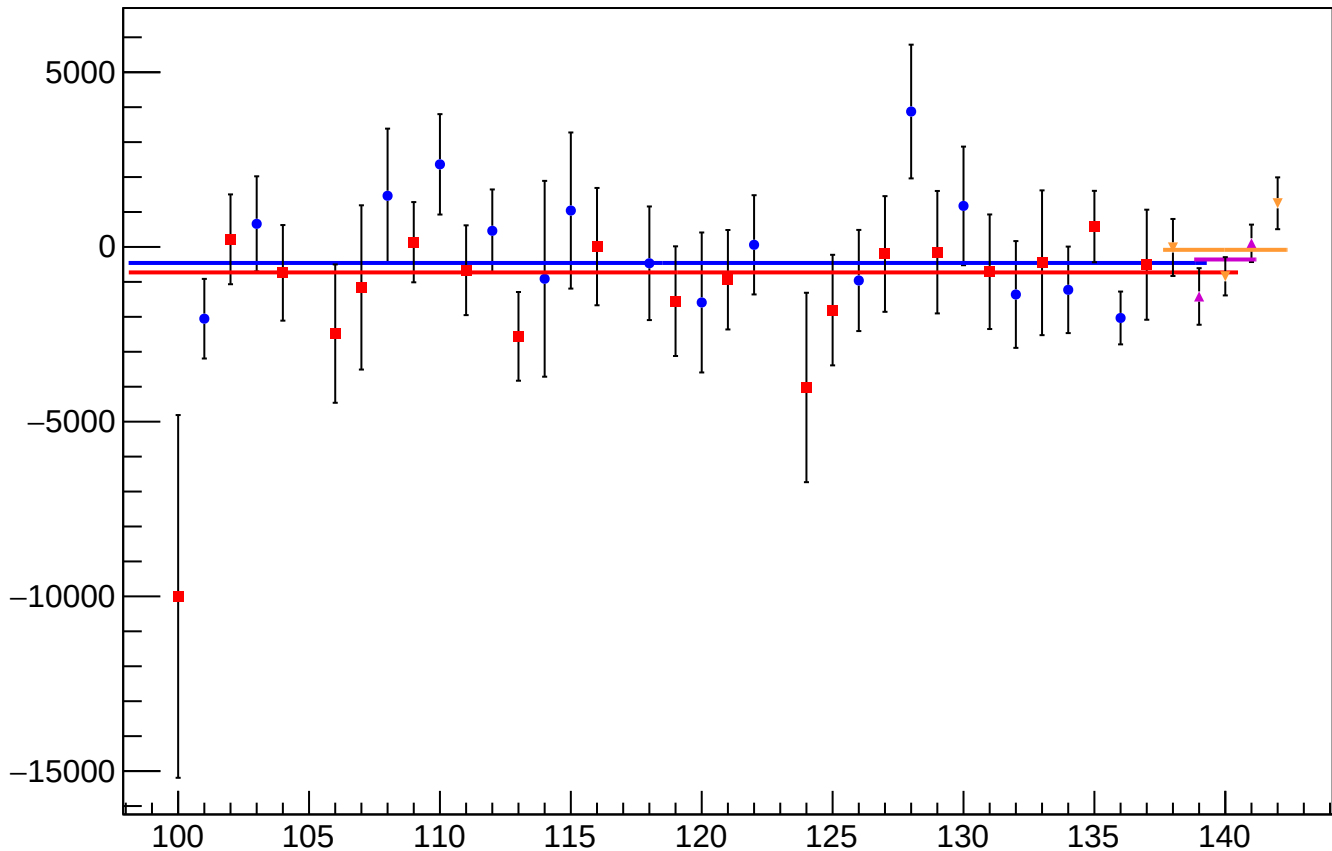
Left In: 77.197 $\pm$ 0.042 χ^2 /NDF: 20095.7/1

+ sign 80.609 $\pm$ 0.019 χ^2 /NDF: 508462.9/18

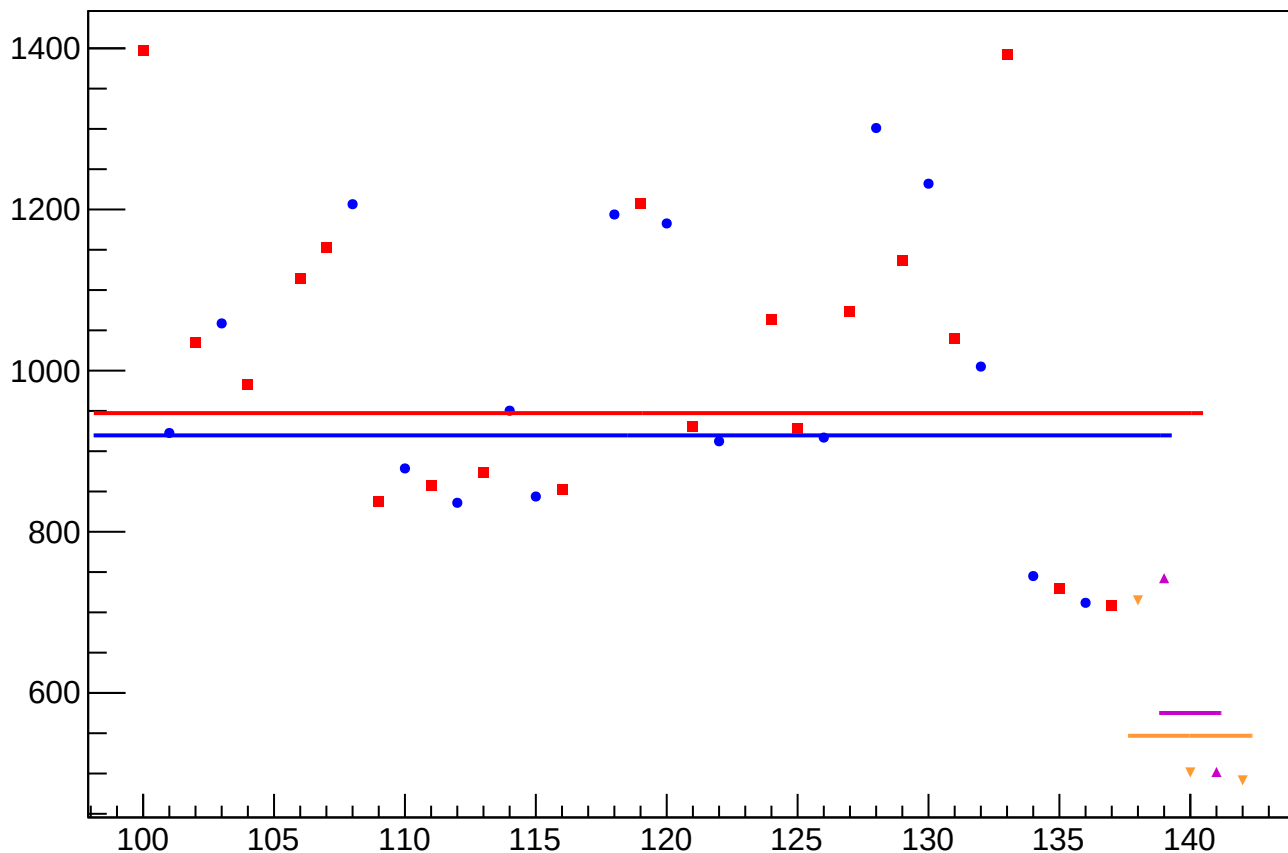
All: 80.387 $\pm$ 0.014 χ^2 /NDF: 1049348.4/39

- sign 80.164 $\pm$ 0.019 χ^2 /NDF: 540617.6/20

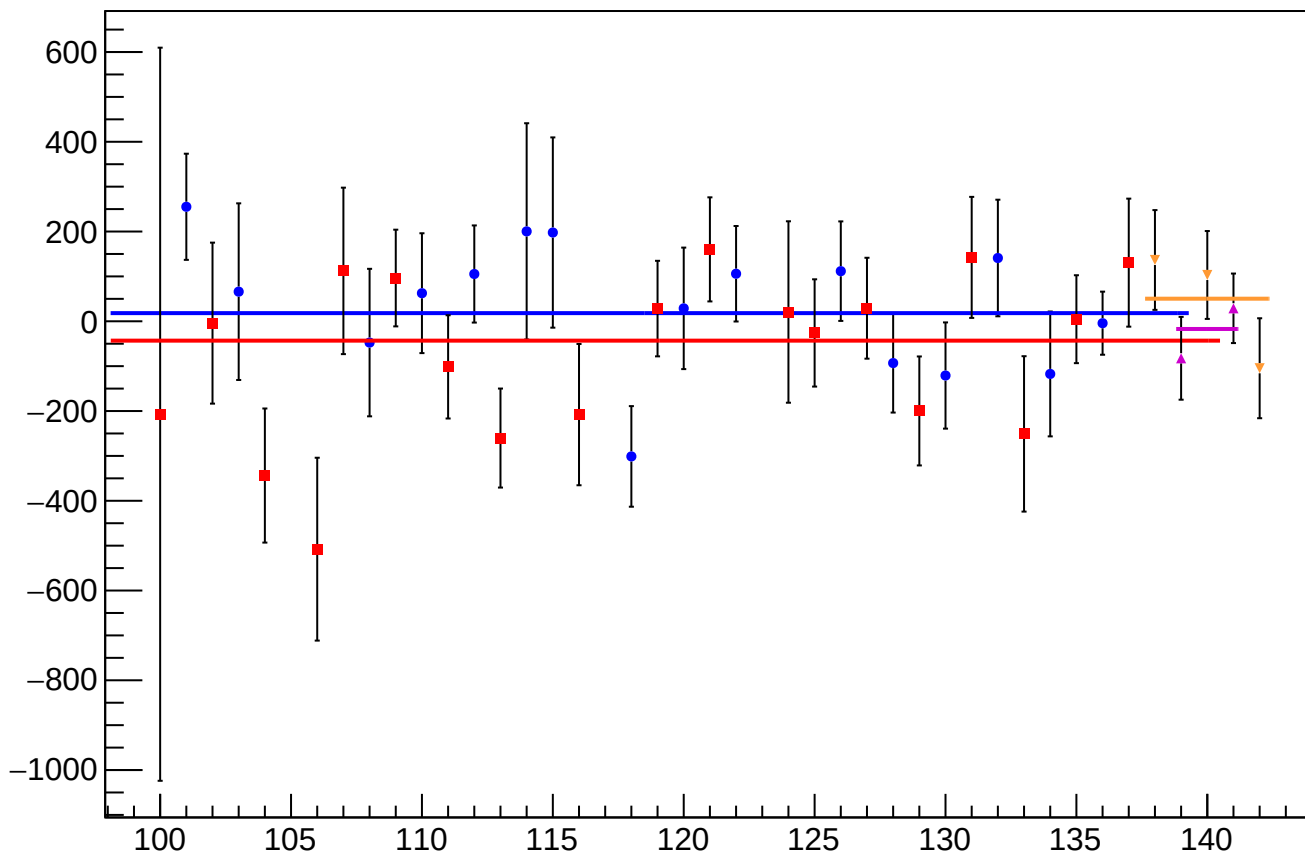
asym_sam_12345678_avg_dit_correction_mean vs Slug



asym_sam_12345678_avg_dit_correction_rms vs Slug



eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF : 20.1/15

Left Out: 50.333+/-61.333 χ^2/NDF : 2.8/2

Right Out: -43.144+/-30.707 χ^2/NDF : 27.7/18

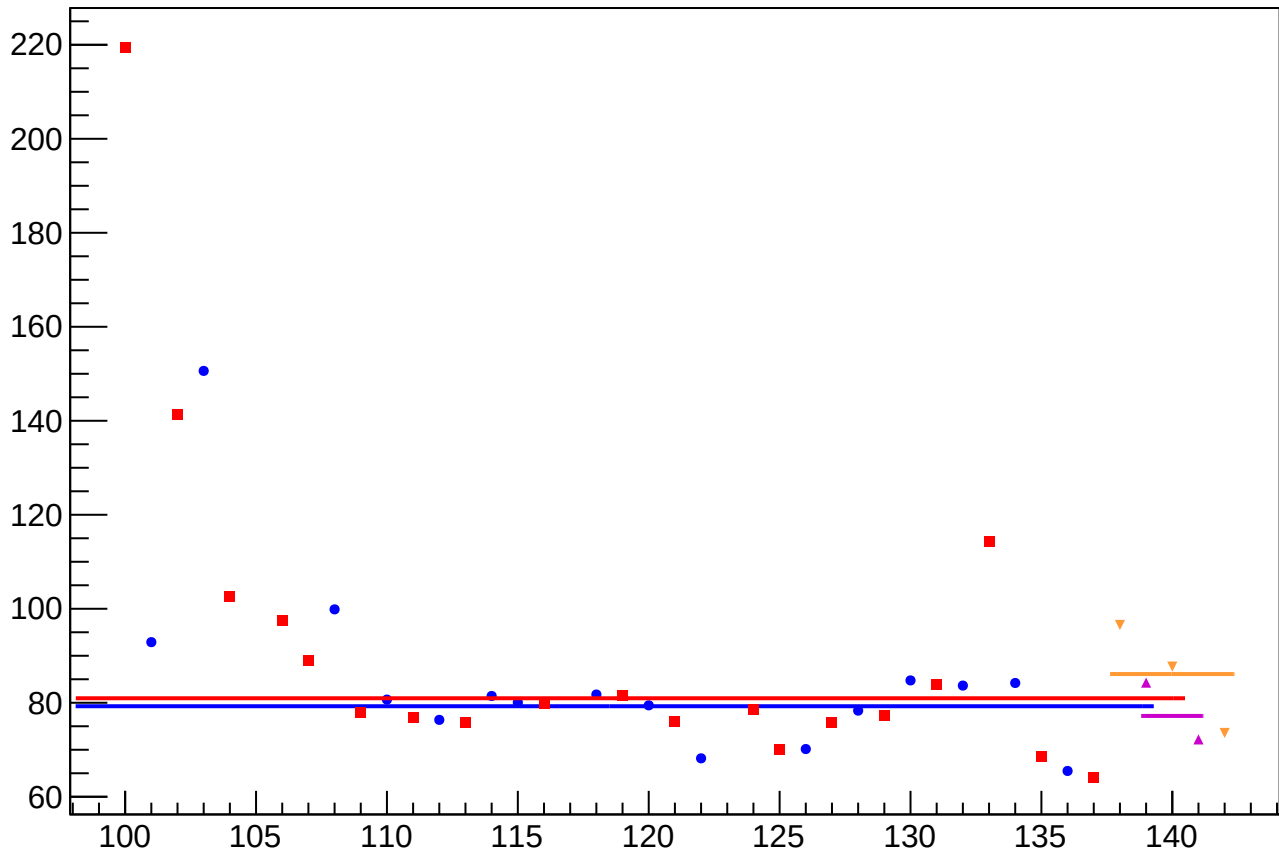
Left In: -17.148+/-59.328 χ^2/NDF : 0.9/1

+ sign 24.499+/-27.199 χ^2/NDF : 23.2/18

All: -6.494+/-19.258 χ^2/NDF : 54.5/39

- sign -37.651+/-27.271 χ^2/NDF : 28.7/20

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF : 444948.4/15

Left Out: 86.109+/-0.043 χ^2/NDF : 43491.6/2

Right Out: 80.958+/-0.022 χ^2/NDF : 514191.2/18

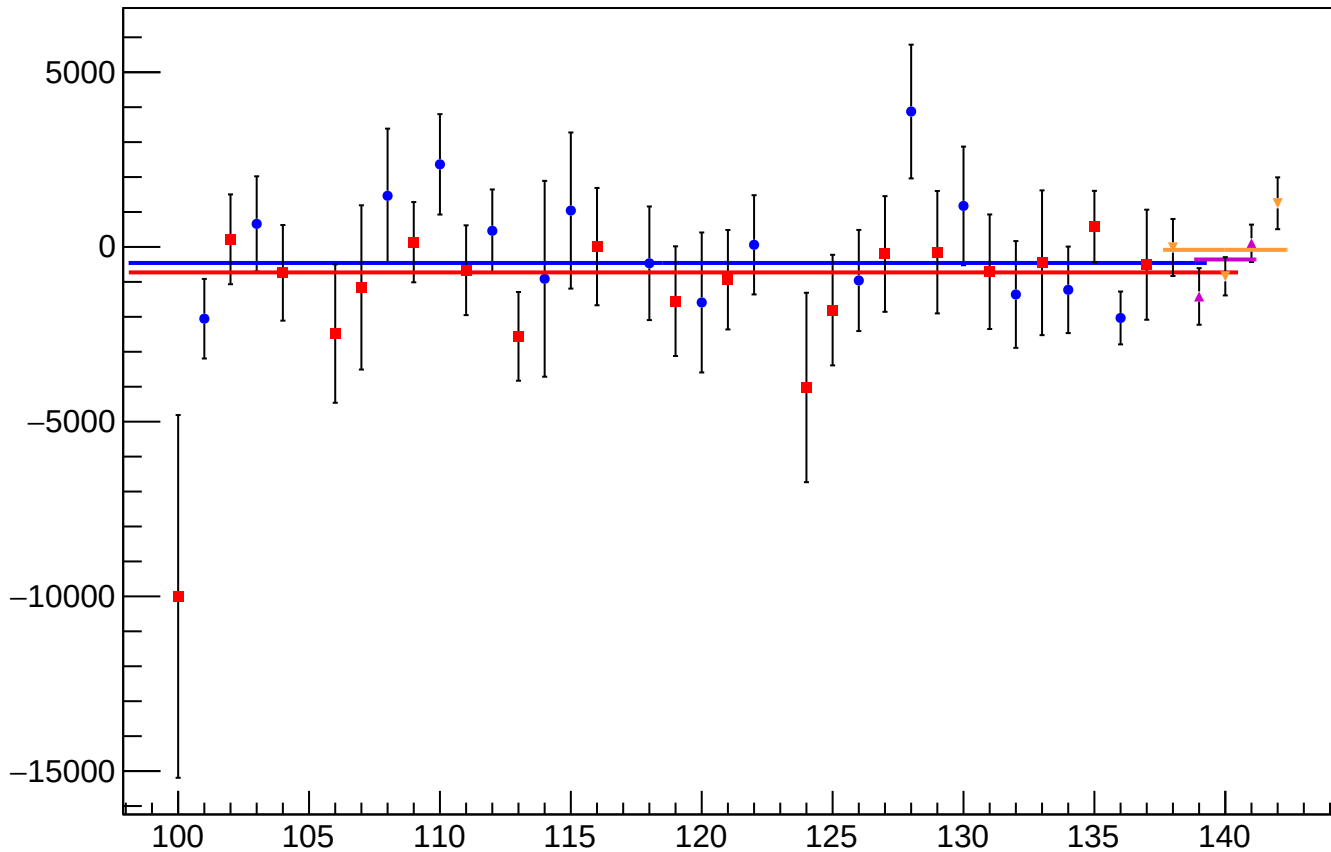
Left In: 77.197+/-0.042 χ^2/NDF : 20095.0/1

+ sign 80.609+/-0.019 χ^2/NDF : 508461.3/18

All: 80.387+/-0.014 χ^2/NDF : 1049353.4/39

- sign 80.164+/-0.019 χ^2/NDF : 540624.3/20

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug



Right In: -458.104 $\pm$ 350.074 χ^2 /NDF: 20.3/15

Left Out: -82.510 $\pm$ 387.715 χ^2 /NDF: 5.1/2

Right Out: -728.749 $\pm$ 352.573 χ^2 /NDF: 11.5/18

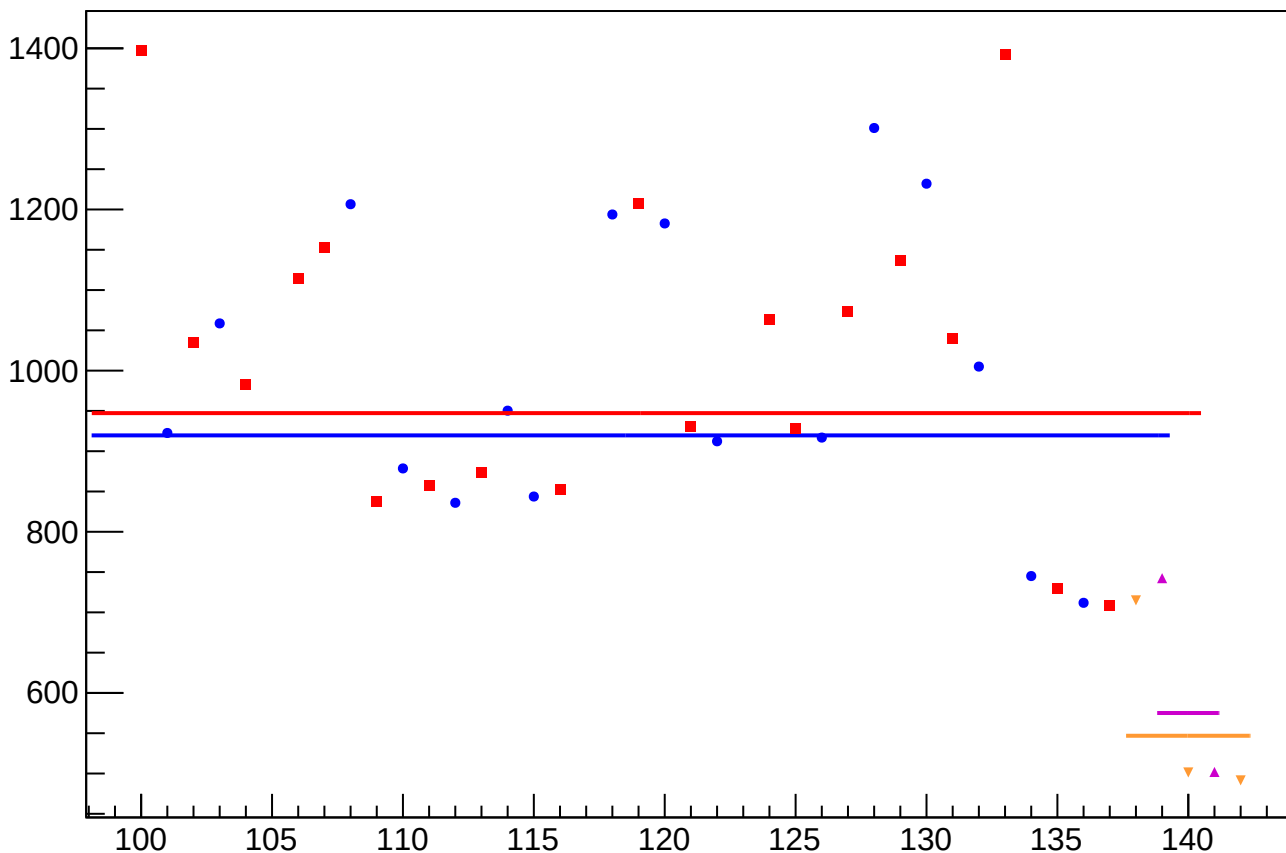
Left In: -358.828 $\pm$ 446.532 χ^2 /NDF: 2.5/1

+ sign -289.419 $\pm$ 259.831 χ^2 /NDF: 25.9/18

All: -428.710 $\pm$ 189.416 χ^2 /NDF: 41.0/39

- sign -586.690 $\pm$ 276.714 χ^2 /NDF: 14.4/20

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



Right In: 919.636 $\pm$ 0.248 χ^2/NDF : 515443.9/15

Left Out: 546.858 $\pm$ 0.274 χ^2/NDF : 109793.8/2

Right Out: 947.270 $\pm$ 0.249 χ^2/NDF : 425565.2/18

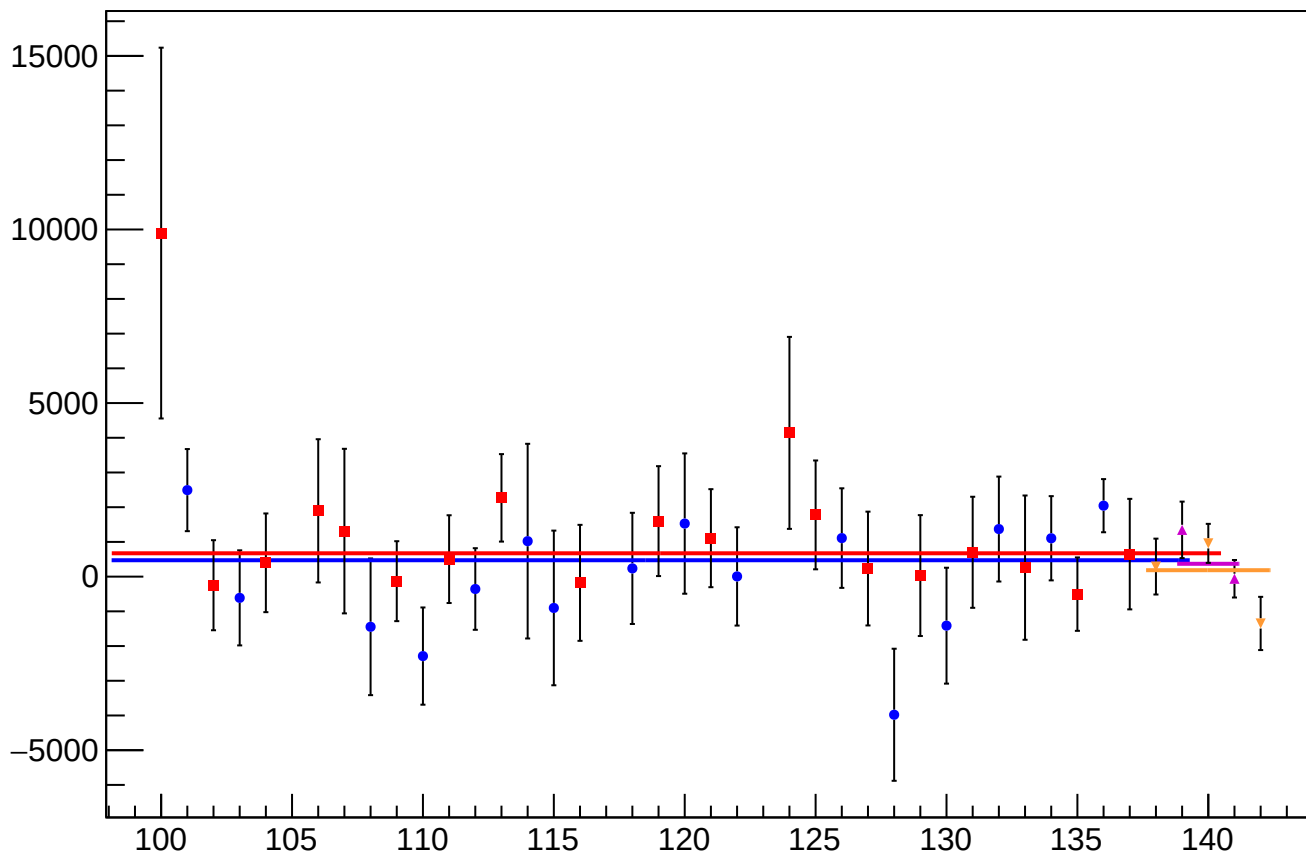
Left In: 575.104 $\pm$ 0.316 χ^2/NDF : 122793.1/1

+ sign 752.216 $\pm$ 0.184 χ^2/NDF : 1643757.1/18

All: 776.644 $\pm$ 0.134 χ^2/NDF : 3085625.0/39

- sign 804.349 $\pm$ 0.196 χ^2/NDF : 1404141.3/20

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014 $\pm$ 350.376 χ^2 /NDF: 21.5/15

Left Out: 185.188 $\pm$ 394.862 χ^2 /NDF:5.9/2

Right Out: 672.537 $\pm$ 354.512 χ^2 /NDF: 10.3/18

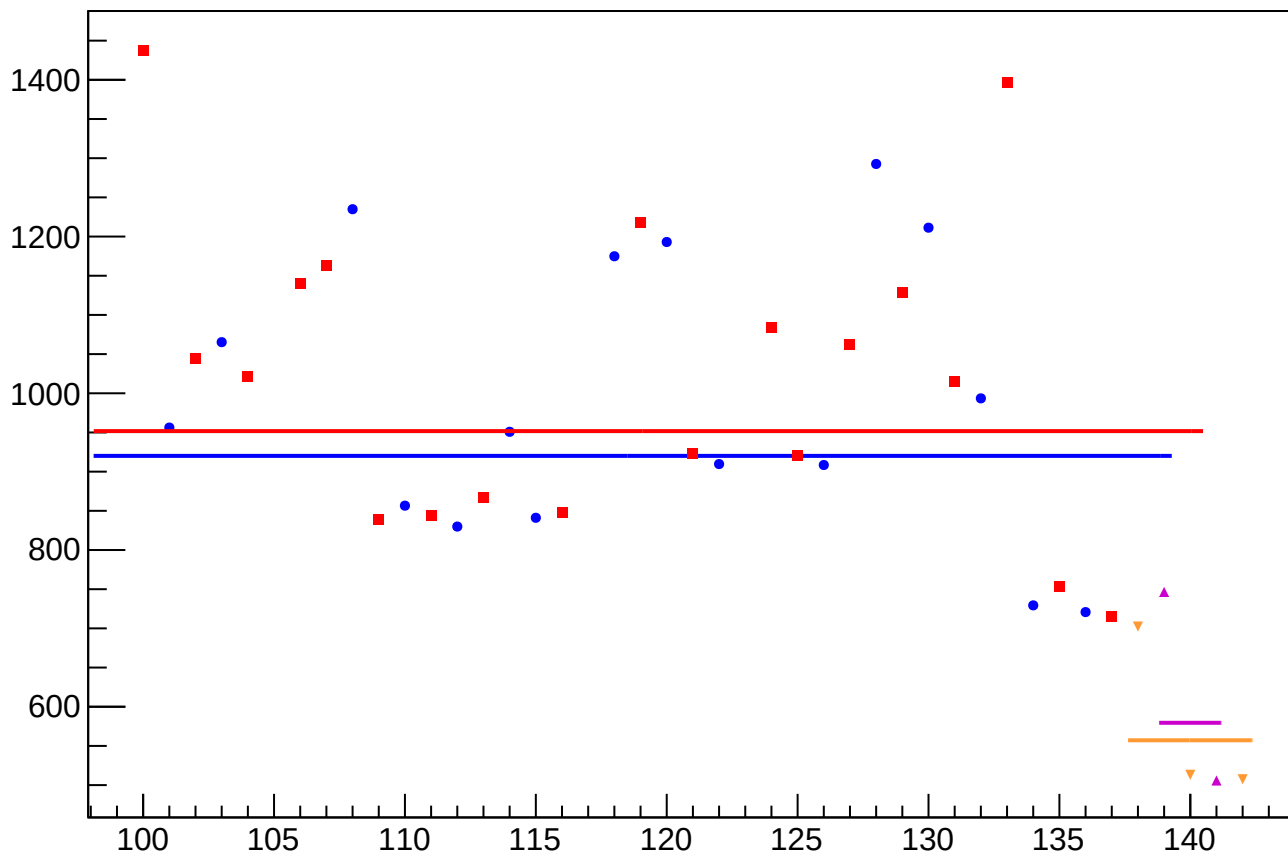
Left In: 369.695 $\pm$ 450.084 χ^2 /NDF:2.1/1

+ sign 345.662 $\pm$ 262.076 χ^2 /NDF: 27.7/18

All: 444.724 $\pm$ 190.857 χ^2 /NDF: 40.7/39

- sign 556.588 $\pm$ 278.496 χ^2 /NDF: 12.7/20

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF : 508678.6/15

Left Out: 557.196+/-0.279 χ^2/NDF : 85757.9/2

Right Out: 951.726+/-0.251 χ^2/NDF : 416116.3/18

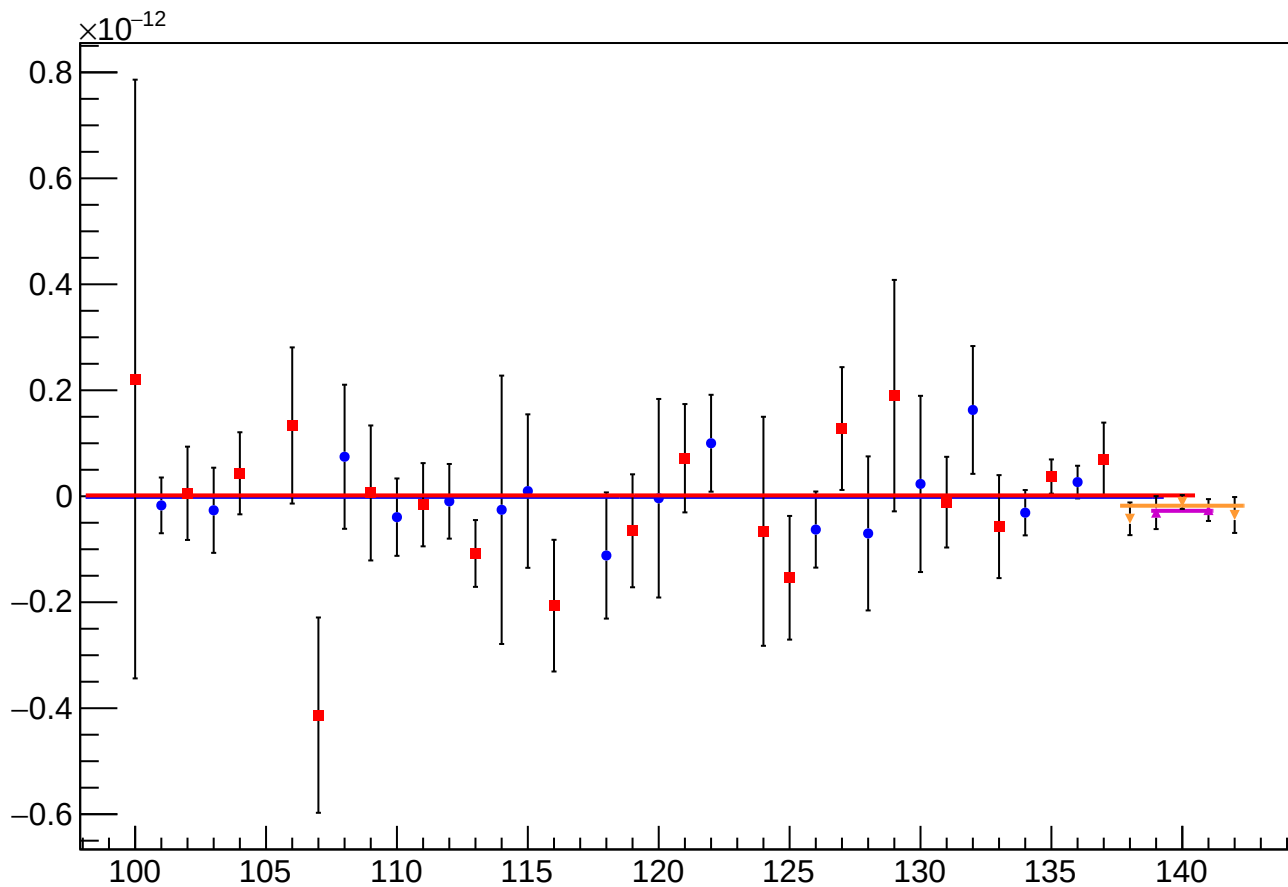
Left In: 579.508+/-0.318 χ^2/NDF : 121401.8/1

+ sign 760.248+/-0.185 χ^2/NDF : 1539740.1/18

All: 783.246+/-0.135 χ^2/NDF : 2954188.5/39

- sign 809.215+/-0.197 χ^2/NDF : 1381657.2/20

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2 /NDF:1.2/2

Right Out: 0.000+/-0.000 χ^2 /NDF: 19.4/18

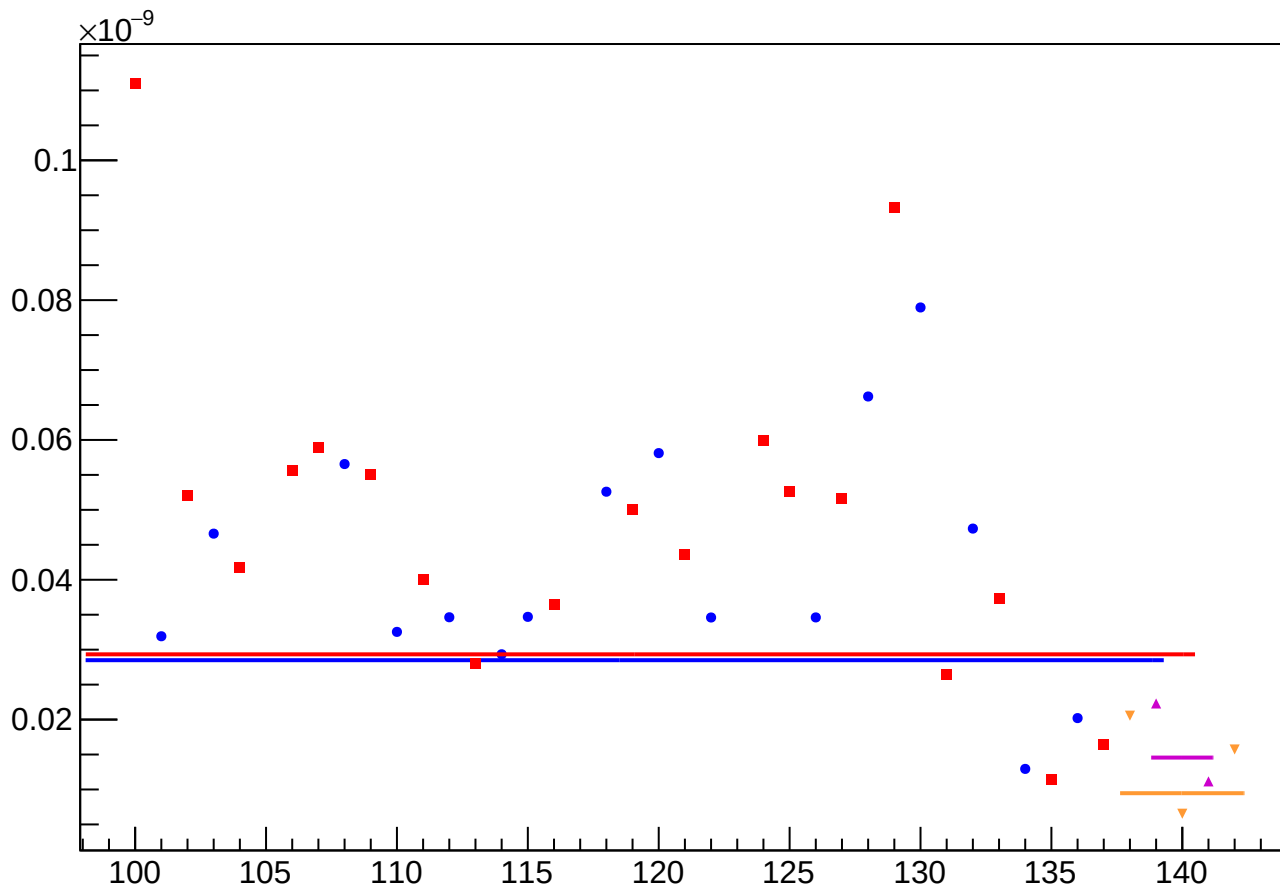
Left In: -0.000+/-0.000 χ^2 /NDF:0.0/1

+ sign -0.000+/-0.000 χ^2 /NDF: 8.9/18

All: -0.000+/-0.000 χ^2 /NDF: 29.6/39

- sign -0.000+/-0.000 χ^2 /NDF: 20.7/20

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 : 427920.8/2

Right Out: 0.000+/-0.000 χ^2/NDF : 1645968.5/18

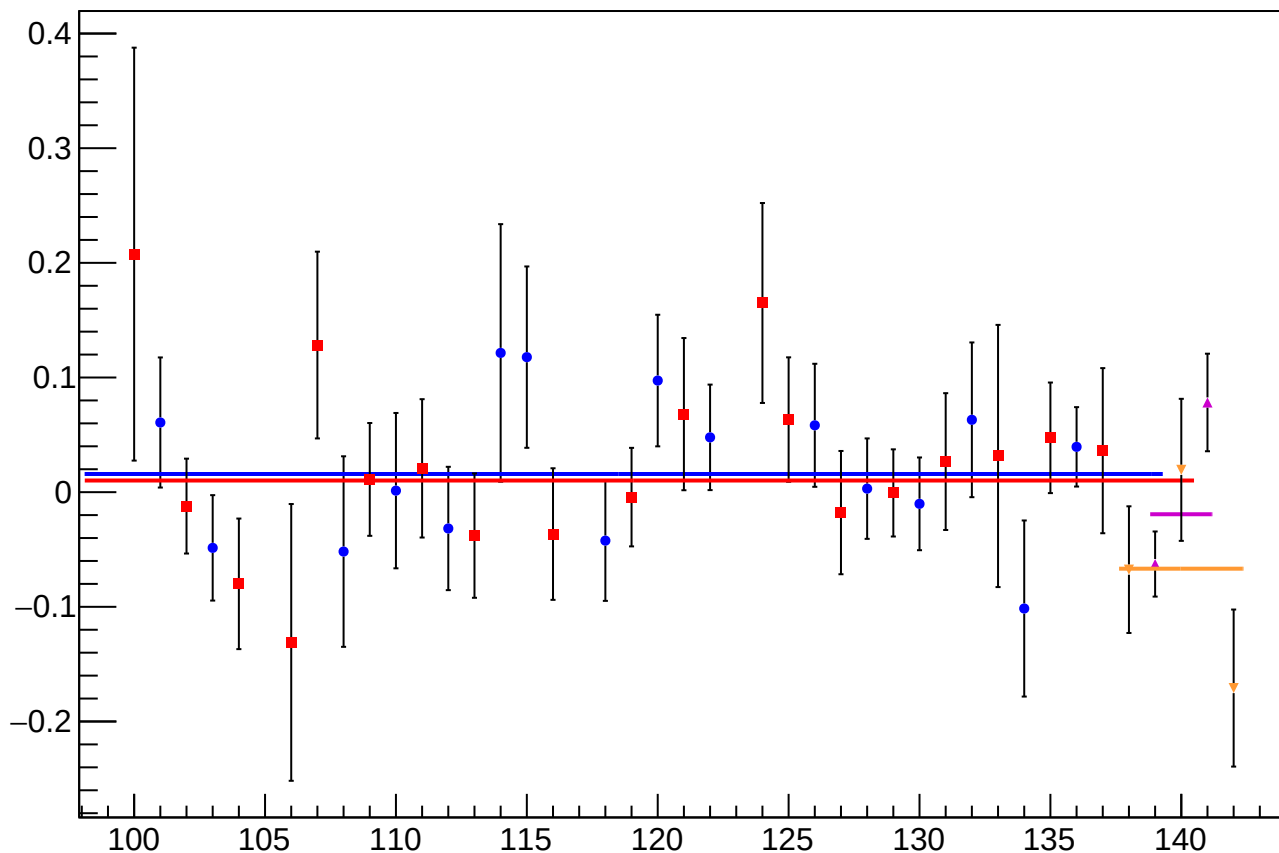
Left In: 0.000+/-0.000 χ^2/NDF : 178784.1/1

+ sign 0.000+/-0.000 χ^2/NDF : 3216140.2/18

All: 0.000+/-0.000 χ^2/NDF : 5986830.8/39

- sign 0.000+/-0.000 χ^2/NDF : 2480120.9/20

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: -0.067 $\pm$ 0.035 χ^2 /NDF: 4.2/2

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

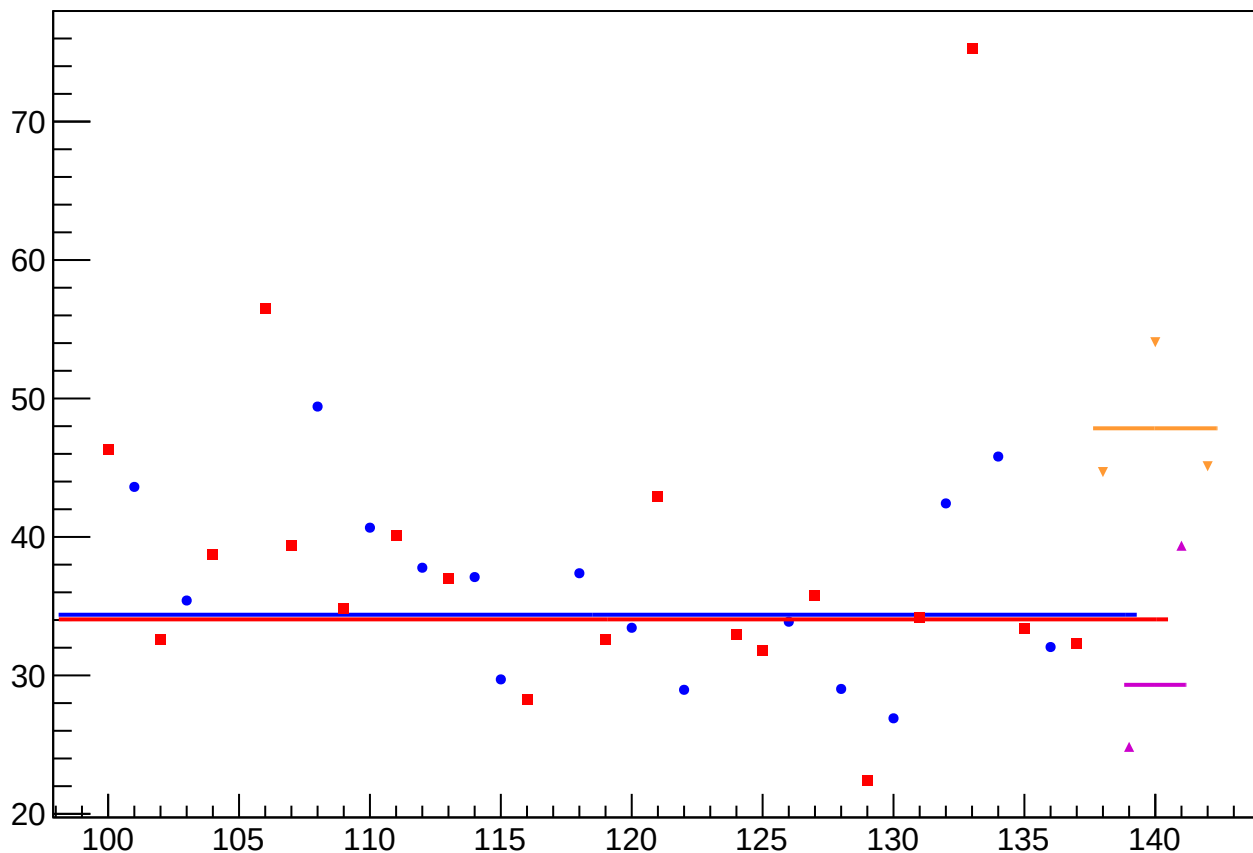
Left In: -0.019 $\pm$ 0.024 χ^2 /NDF: 7.6/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 23.8/18

All: 0.004 $\pm$ 0.008 χ^2 /NDF: 47.7/39

- sign 0.003 $\pm$ 0.012 χ^2 /NDF: 23.9/20

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.382 $\pm$ 0.009 χ^2 /NDF: 367883.0/15

Left Out: 47.846 $\pm$ 0.025 χ^2 /NDF: 29899.8/2

Right Out: 34.047 $\pm$ 0.009 χ^2 /NDF: 642697.3/18

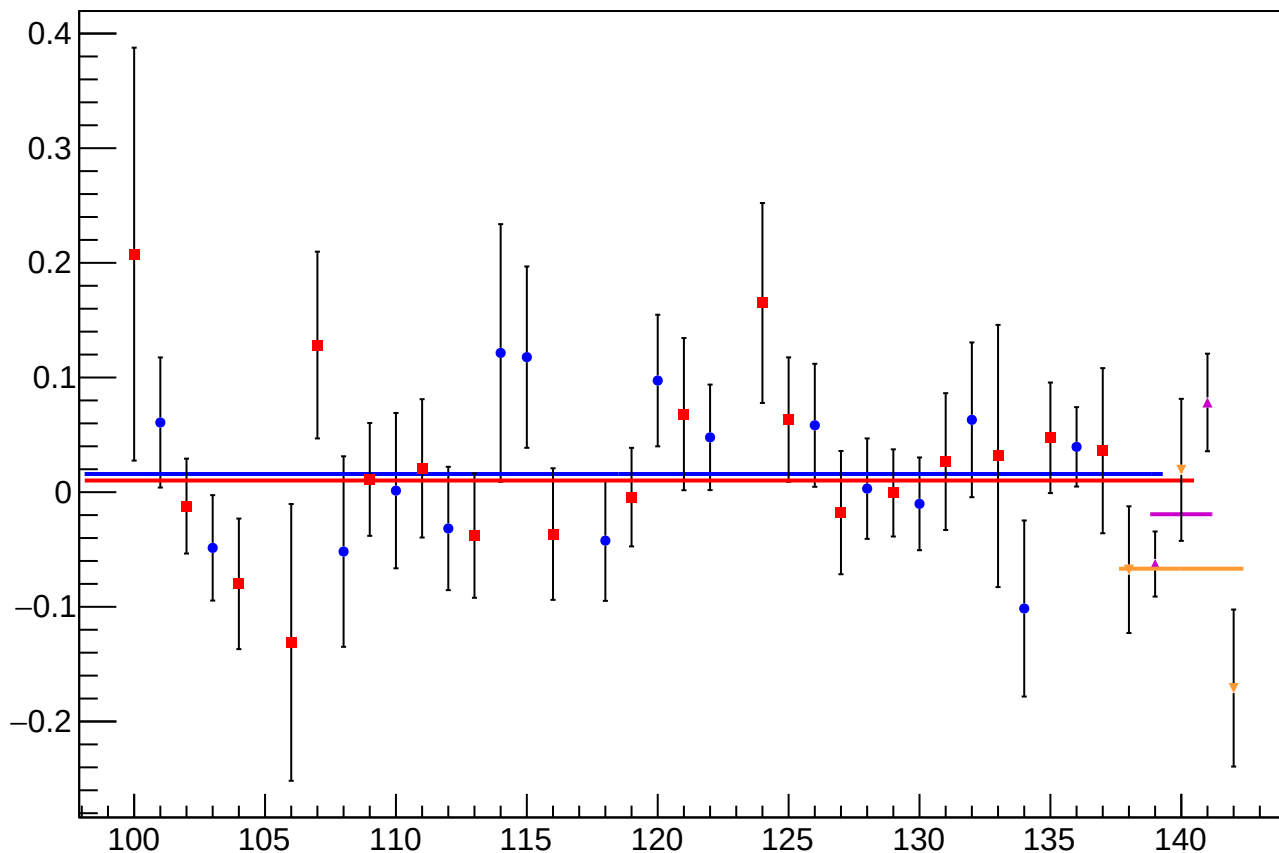
Left In: 29.319 $\pm$ 0.017 χ^2 /NDF: 161263.9/1

+ sign 36.075 $\pm$ 0.009 χ^2 /NDF: 651856.6/18

All: 34.367 $\pm$ 0.006 χ^2 /NDF: 1585522.4/39

- sign 32.921 $\pm$ 0.008 χ^2 /NDF: 865017.4/20

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.013 χ^2 /NDF: 14.8/15

Left Out: -0.067 $\pm$ 0.035 χ^2 /NDF: 4.2/2

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

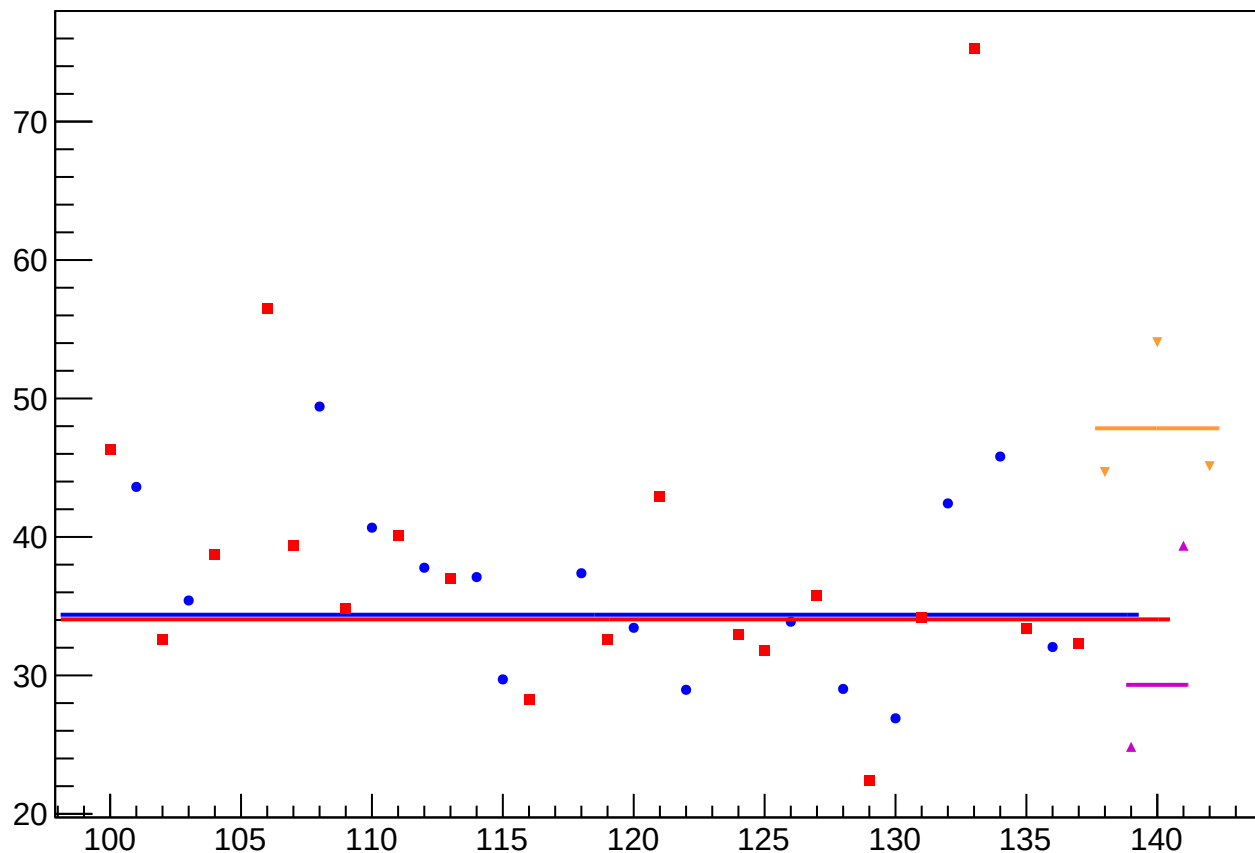
Left In: -0.019 $\pm$ 0.024 χ^2 /NDF: 7.6/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 23.8/18

All: 0.004 $\pm$ 0.008 χ^2 /NDF: 47.7/39

- sign 0.003 $\pm$ 0.012 χ^2 /NDF: 23.9/20

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: 47.846 $\pm$ 0.025 χ^2 /NDF: 29899.8/2

Right Out: 34.047 $\pm$ 0.009 χ^2 /NDF: 642697.3/18

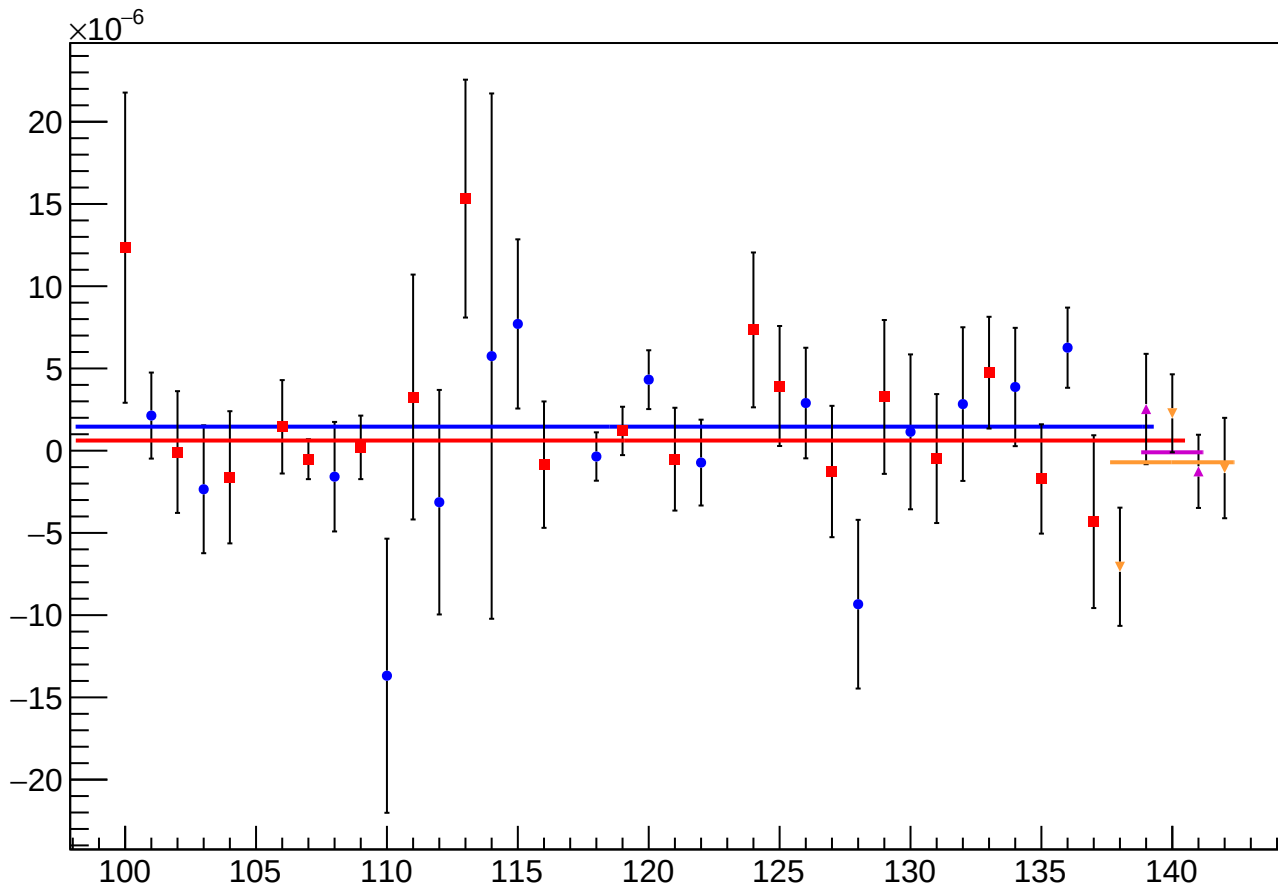
Left In: 29.319 $\pm$ 0.017 χ^2 /NDF: 161263.9/1

+ sign 36.075 $\pm$ 0.009 χ^2 /NDF: 651856.6/18

All: 34.367 $\pm$ 0.006 χ^2 /NDF: 1585522.4/39

- sign 32.921 $\pm$ 0.008 χ^2 /NDF: 865017.4/20

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 21.0/15

Left Out: -0.000+/-0.000 χ^2/NDF : 4.7/2

Right Out: 0.000+/-0.000 χ^2/NDF : 13.9/18

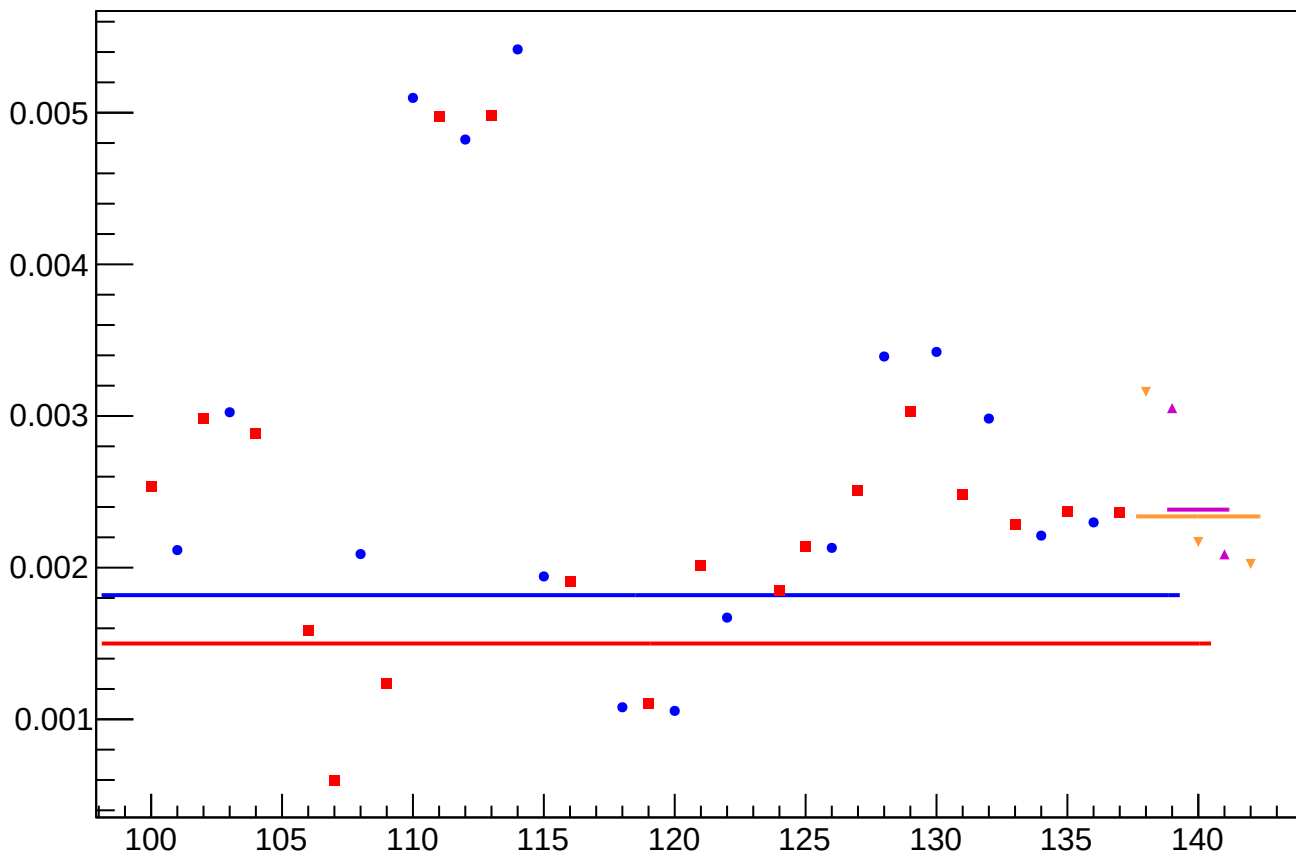
Left In: -0.000+/-0.000 χ^2/NDF : 0.9/1

+ sign 0.000+/-0.000 χ^2/NDF : 27.1/18

All: 0.000+/-0.000 χ^2/NDF : 42.4/39

- sign 0.000+/-0.000 χ^2/NDF : 15.0/20

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:135591.1/2

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 3689451.2/18

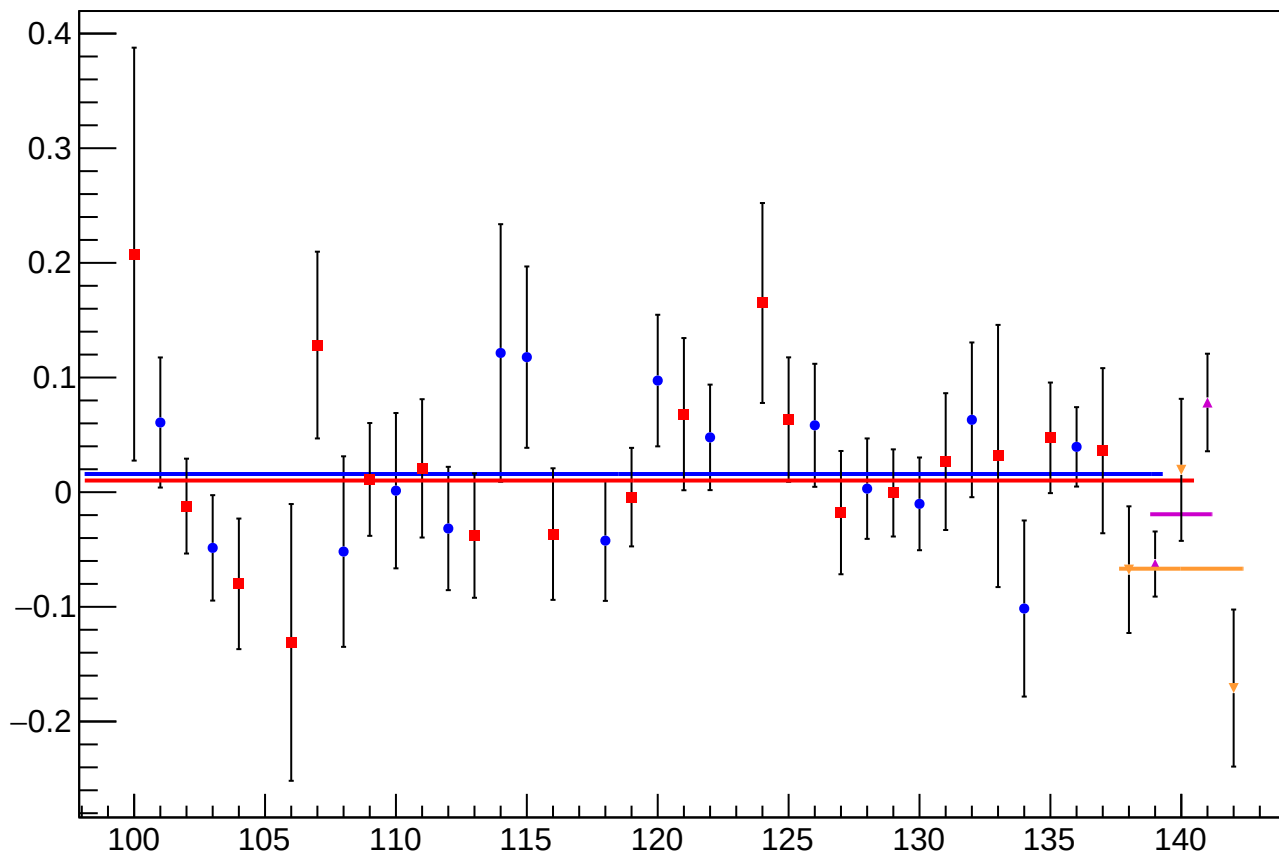
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:114688.8/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2867940.7/18

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7306849.4/39

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4208219.4/20

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.013 χ^2 /NDF: 14.8/15

Left Out: -0.067 $\pm$ 0.035 χ^2 /NDF: 4.2/2

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

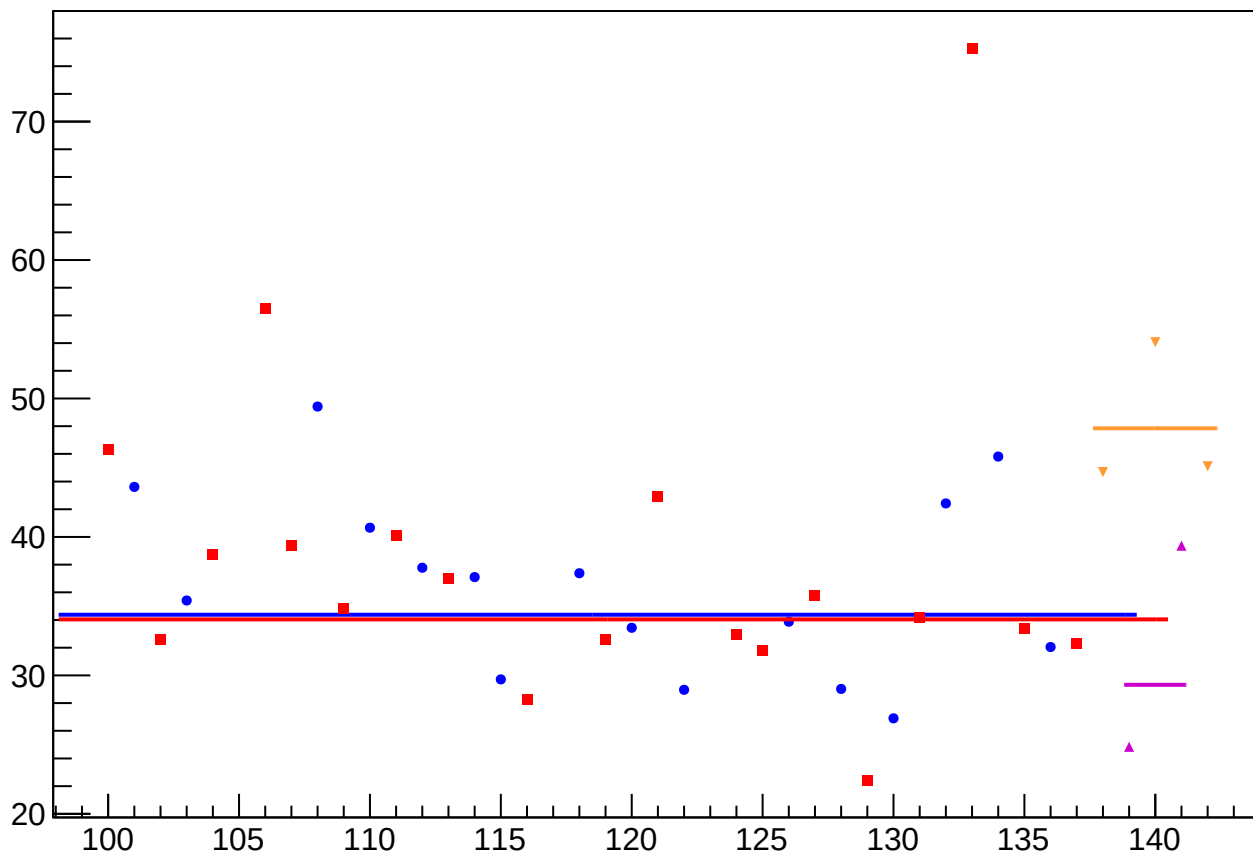
Left In: -0.019 $\pm$ 0.024 χ^2 /NDF: 7.6/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 23.8/18

All: 0.004 $\pm$ 0.008 χ^2 /NDF: 47.7/39

- sign 0.003 $\pm$ 0.012 χ^2 /NDF: 23.9/20

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.381 $\pm$ 0.009 χ^2 /NDF: 367940.1/15

Left Out: 47.846 $\pm$ 0.025 χ^2 /NDF: 29904.8/2

Right Out: 34.047 $\pm$ 0.009 χ^2 /NDF: 642741.5/18

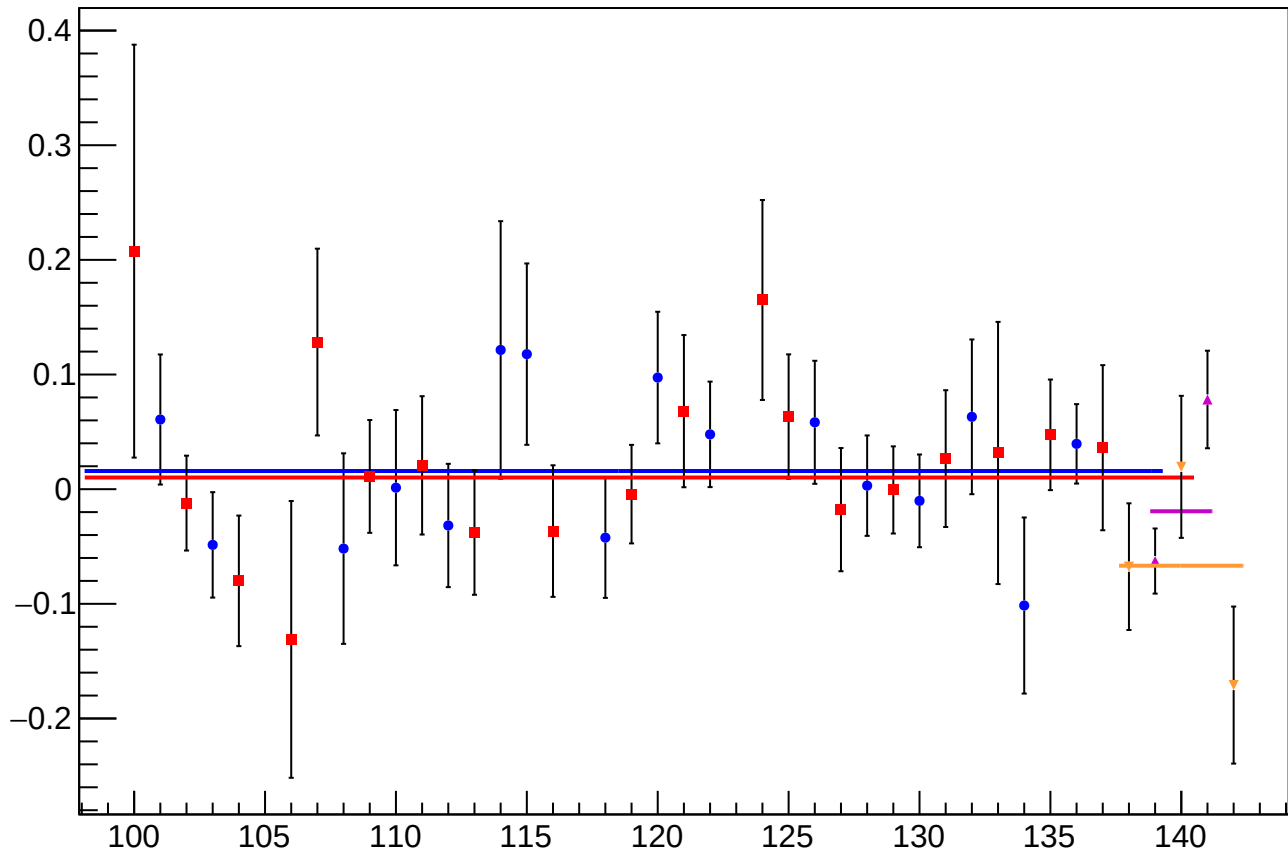
Left In: 29.319 $\pm$ 0.017 χ^2 /NDF: 161266.8/1

+ sign 36.074 $\pm$ 0.009 χ^2 /NDF: 651948.4/18

All: 34.367 $\pm$ 0.006 χ^2 /NDF: 1585625.1/39

- sign 32.921 $\pm$ 0.008 χ^2 /NDF: 865044.6/20

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.013 χ^2 /NDF: 14.8/15

Left Out: -0.067 $\pm$ 0.035 χ^2 /NDF: 4.2/2

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

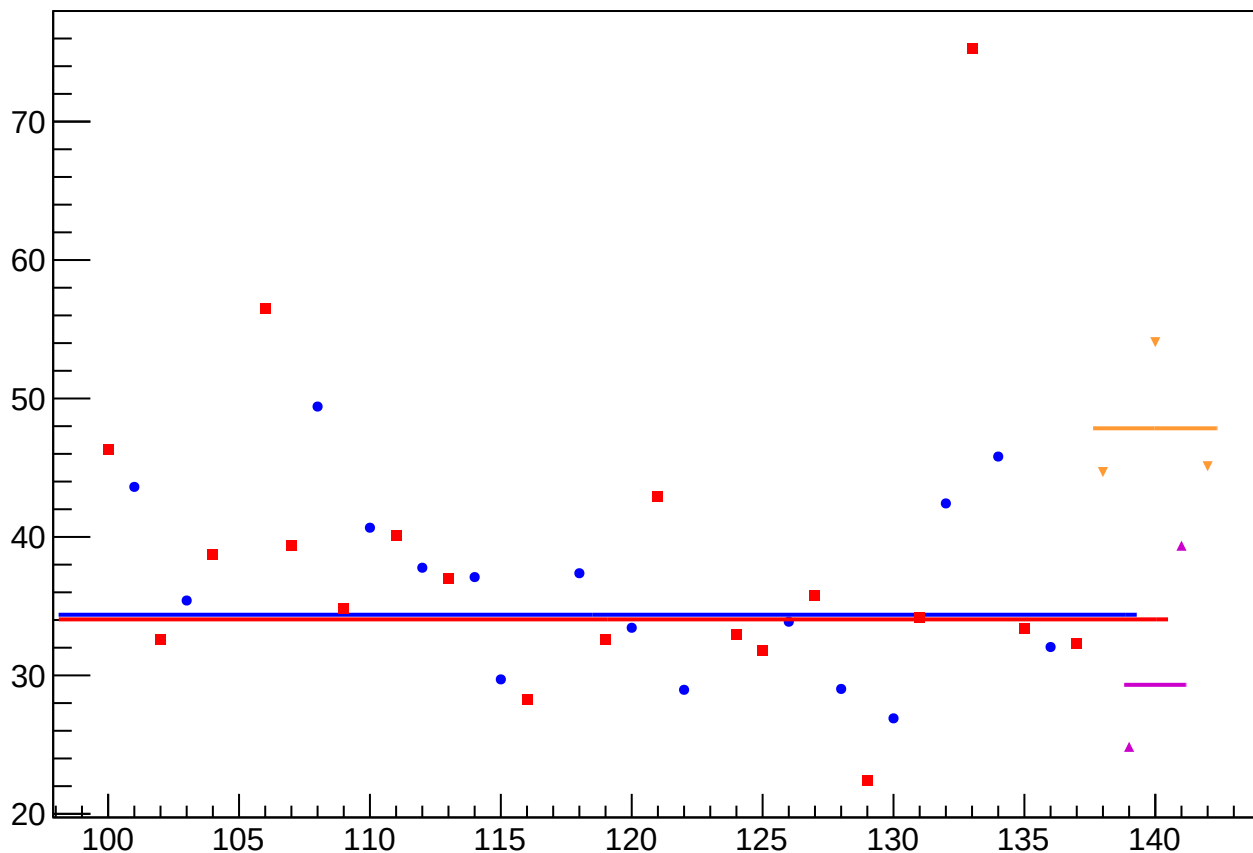
Left In: -0.019 $\pm$ 0.024 χ^2 /NDF: 7.6/1

+ sign 0.005 $\pm$ 0.013 χ^2 /NDF: 23.8/18

All: 0.004 $\pm$ 0.008 χ^2 /NDF: 47.7/39

- sign 0.003 $\pm$ 0.012 χ^2 /NDF: 23.9/20

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: 47.846+/-0.025 χ^2/NDF : 29904.8/2

Right Out: 34.047+/-0.009 χ^2/NDF : 642741.5/18

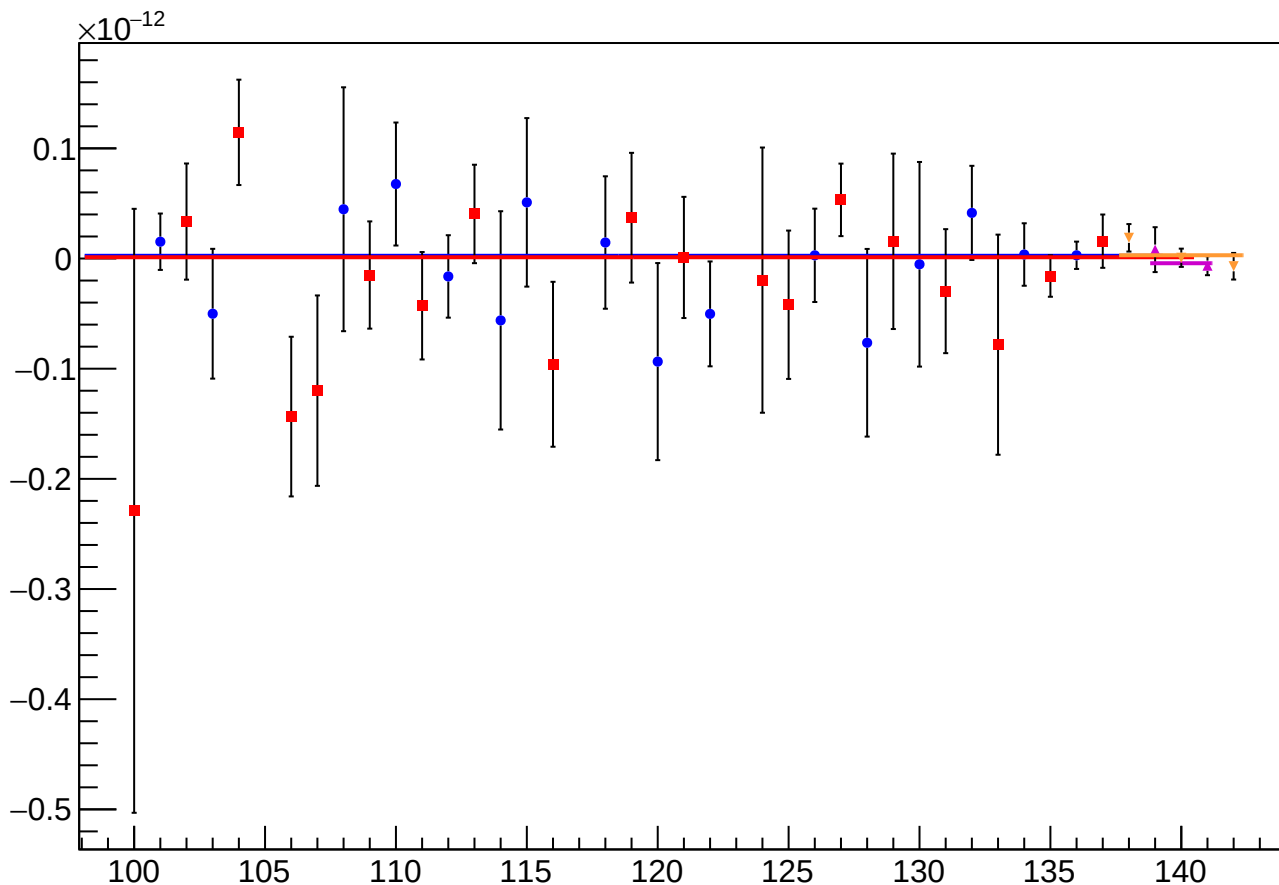
Left In: 29.319+/-0.017 χ^2/NDF : 161266.8/1

+ sign 36.074+/-0.009 χ^2/NDF : 651948.4/18

All: 34.367+/-0.006 χ^2/NDF : 1585625.1/39

- sign 32.921+/-0.008 χ^2/NDF : 865044.6/20

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: 2.4/2

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.5/18

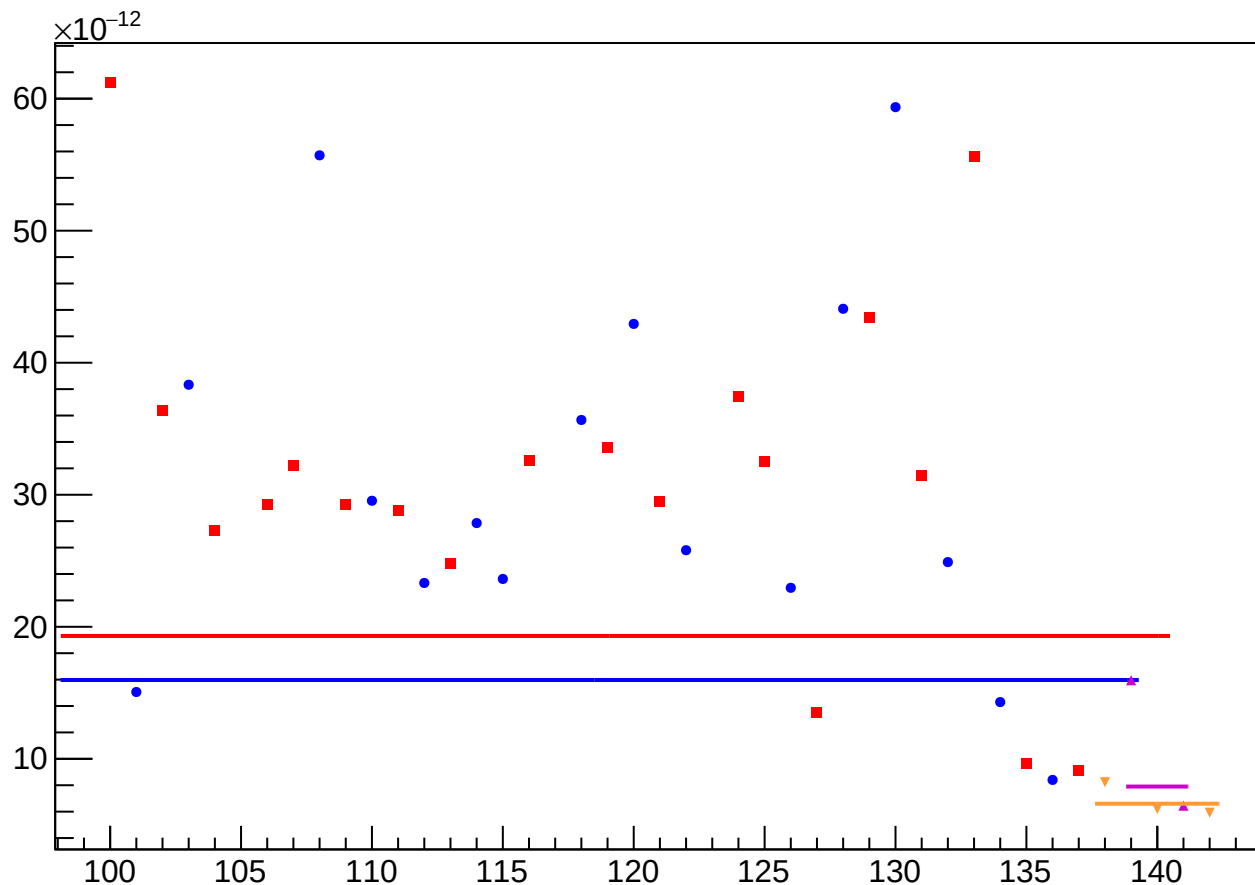
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 0.4/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10.1/18

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.6/39

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 22.1/20

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 : 45046.7/2

Right Out: 0.000+/-0.000 χ^2/NDF : 2440768.5/18

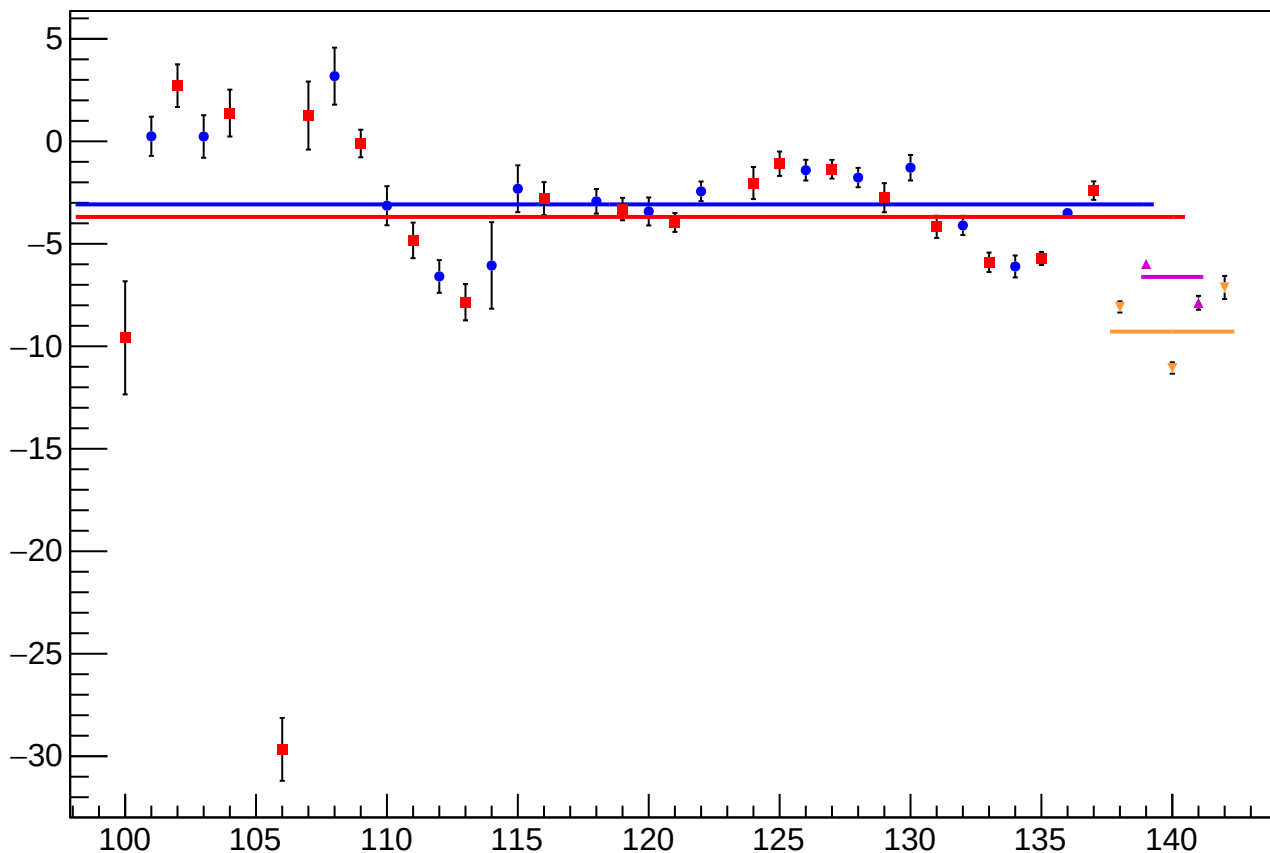
Left In: 0.000+/-0.000 χ^2/NDF : 368453.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 4436565.7/18

All: 0.000+/-0.000 χ^2/NDF : 9013932.8/39

- sign 0.000+/-0.000 χ^2/NDF : 4363612.8/20

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077 ± 0.135 χ^2/NDF : 133.8/15

Left Out: -9.282 ± 0.184 χ^2/NDF : 75.2/2

Right Out: -3.687 ± 0.140 χ^2/NDF : 534.8/18

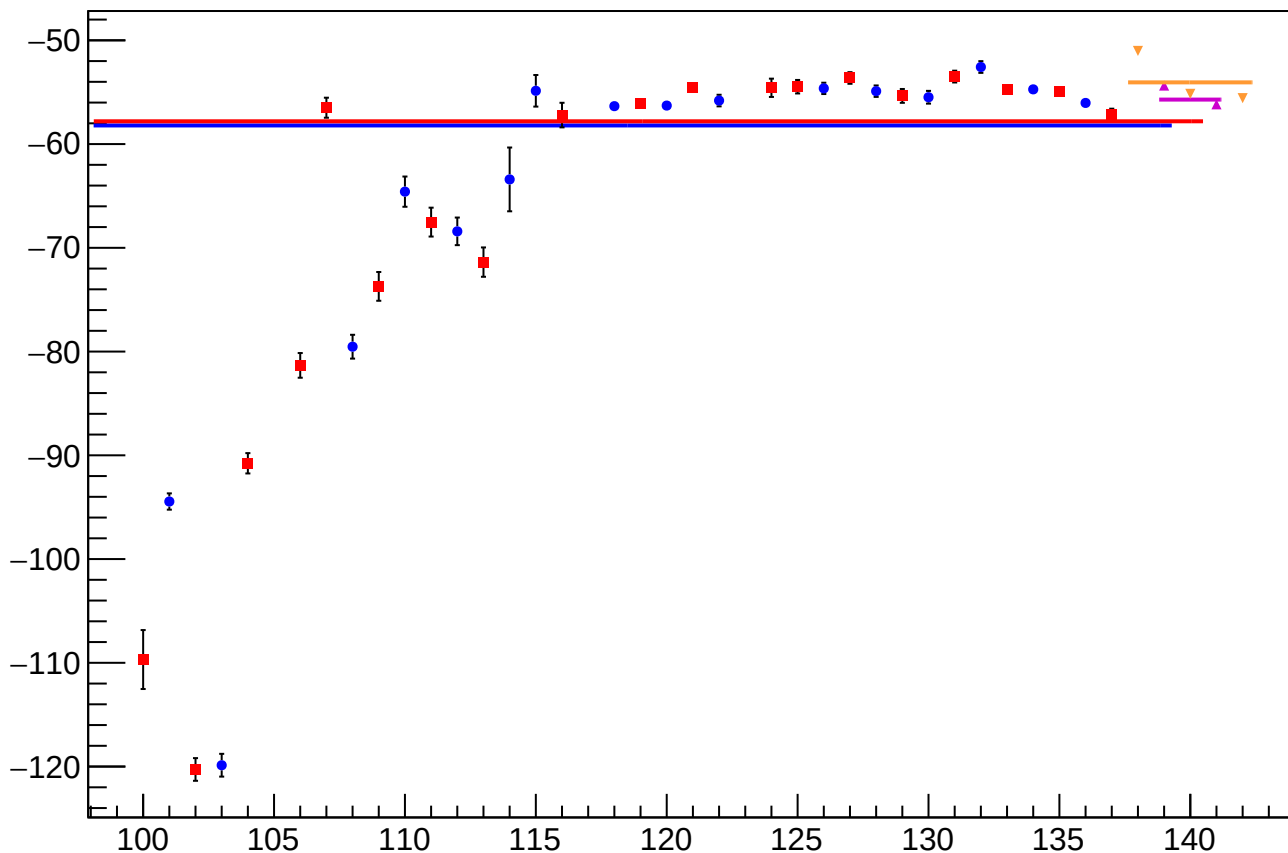
Left In: -6.614 ± 0.196 χ^2/NDF : 20.8/1

+ sign -5.259 ± 0.109 χ^2/NDF : 949.5/18

All: -4.982 ± 0.079 χ^2/NDF : 1666.2/39

- sign -4.677 ± 0.114 χ^2/NDF : 703.1/20

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204 ± 0.136 χ^2/NDF : 6126.9/15

Left Out: -54.053 ± 0.168 χ^2/NDF : 132.5/2

Right Out: -57.804 ± 0.138 χ^2/NDF : 5792.7/18

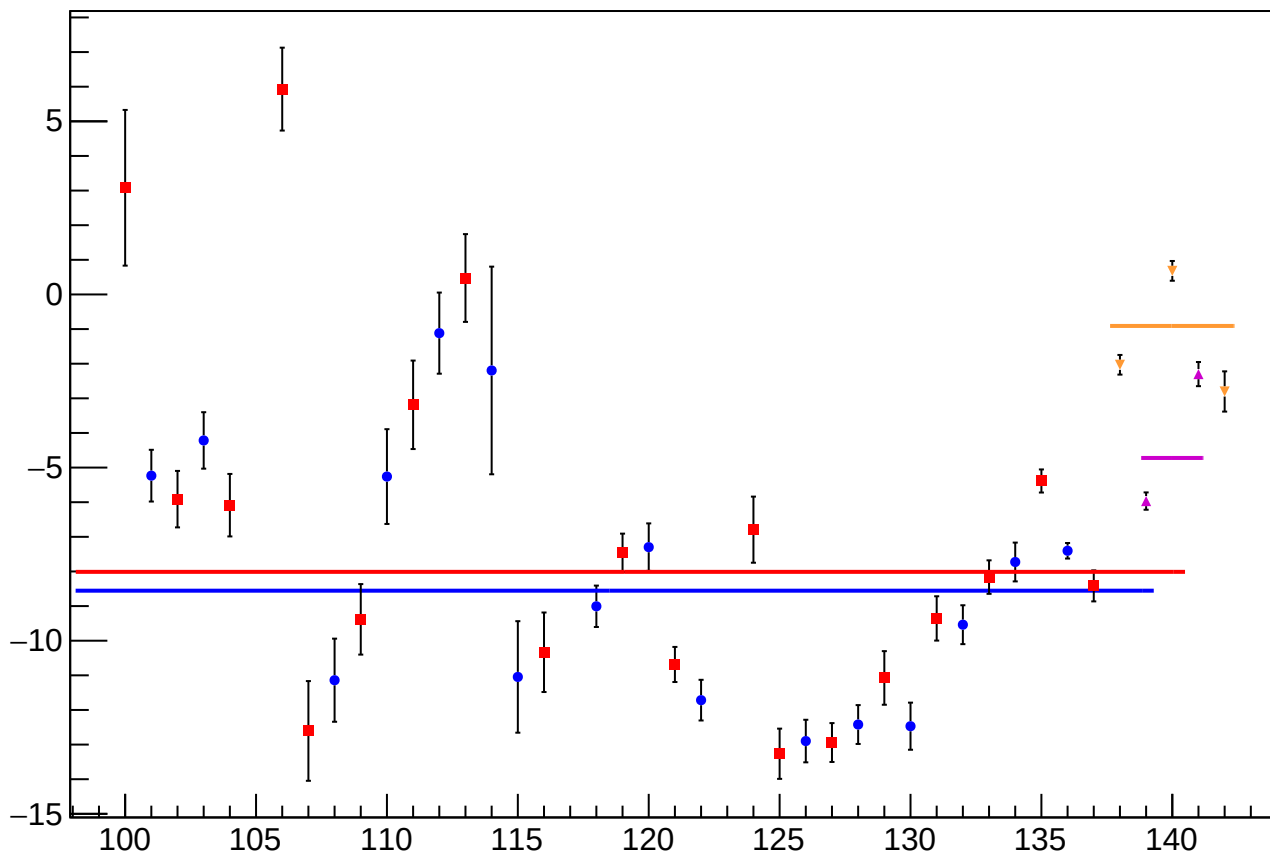
Left In: -55.712 ± 0.217 χ^2/NDF : 13.1/1

+ sign -56.566 ± 0.105 χ^2/NDF : 6629.6/18

All: -56.851 ± 0.078 χ^2/NDF : 12517.5/39

- sign -57.200 ± 0.117 χ^2/NDF : 5871.6/20

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555 ± 0.145 χ^2/NDF : 300.7/15

Left Out: -0.909 ± 0.190 χ^2/NDF : 57.2/2

Right Out: -8.011 ± 0.153 χ^2/NDF : 489.3/18

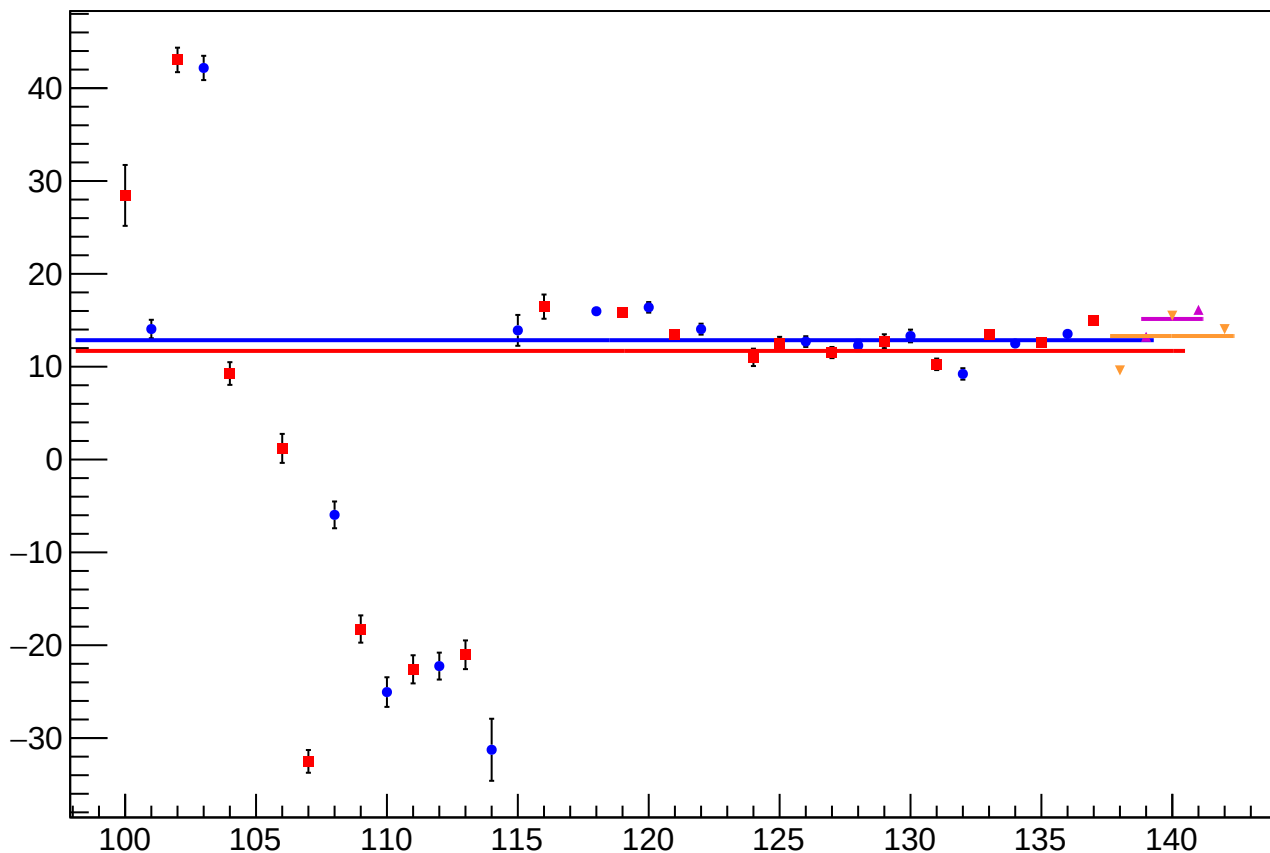
Left In: -4.722 ± 0.203 χ^2/NDF : 73.0/1

+ sign -5.753 ± 0.115 χ^2/NDF : 1380.9/18

All: -6.256 ± 0.084 χ^2/NDF : 2151.0/39

- sign -6.822 ± 0.122 χ^2/NDF : 729.6/20

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF : 2128.4/15

Left Out: 13.303+/-0.195 χ^2/NDF : 180.2/2

Right Out: 11.699+/-0.155 χ^2/NDF : 3498.8/18

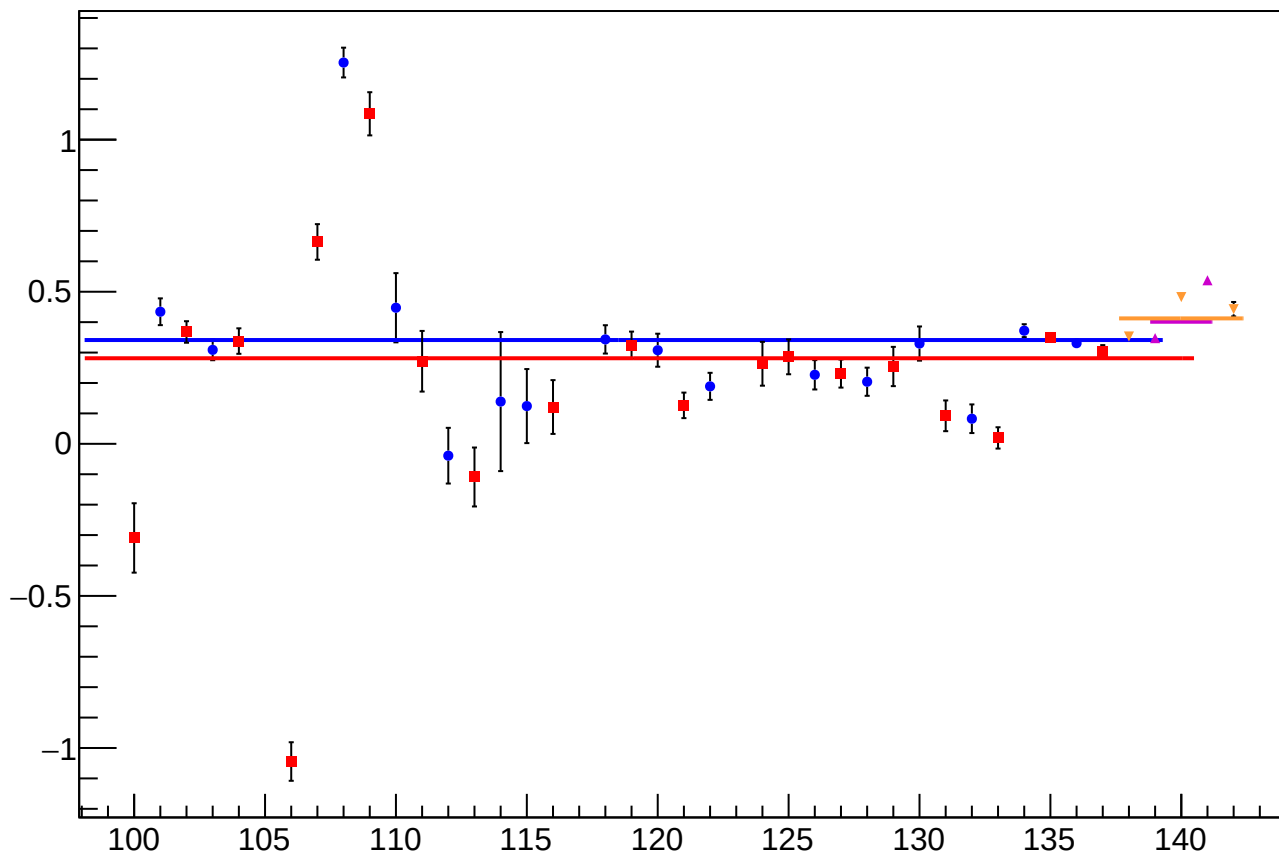
Left In: 15.142+/-0.242 χ^2/NDF : 32.2/1

+ sign 13.021+/-0.119 χ^2/NDF : 2311.9/18

All: 12.876+/-0.088 χ^2/NDF : 5989.8/39

- sign 12.702+/-0.131 χ^2/NDF : 3674.7/20

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341 ± 0.008 χ^2/NDF : 434.8/15

Left Out: 0.412 ± 0.008 χ^2/NDF : 61.8/2

Right Out: 0.281 ± 0.008 χ^2/NDF : 777.6/18

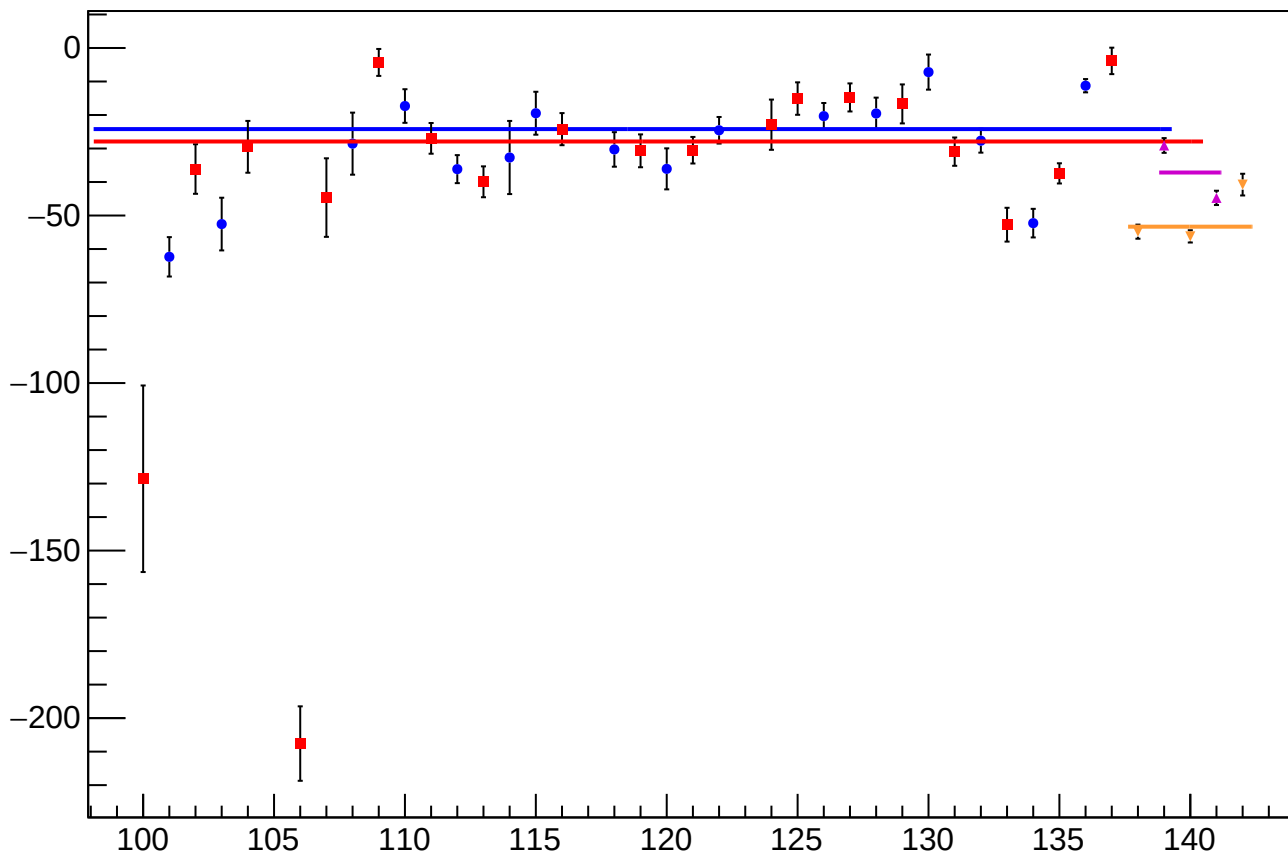
Left In: 0.401 ± 0.008 χ^2/NDF : 128.8/1

+ sign 0.377 ± 0.006 χ^2/NDF : 537.7/18

All: 0.363 ± 0.004 χ^2/NDF : 1569.3/39

- sign 0.348 ± 0.006 χ^2/NDF : 1018.2/20

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205 ± 1.086 χ^2/NDF : 170.7/15

Left Out: -53.330 ± 1.272 χ^2/NDF : 18.0/2

Right Out: -27.906 ± 1.137 χ^2/NDF : 413.4/18

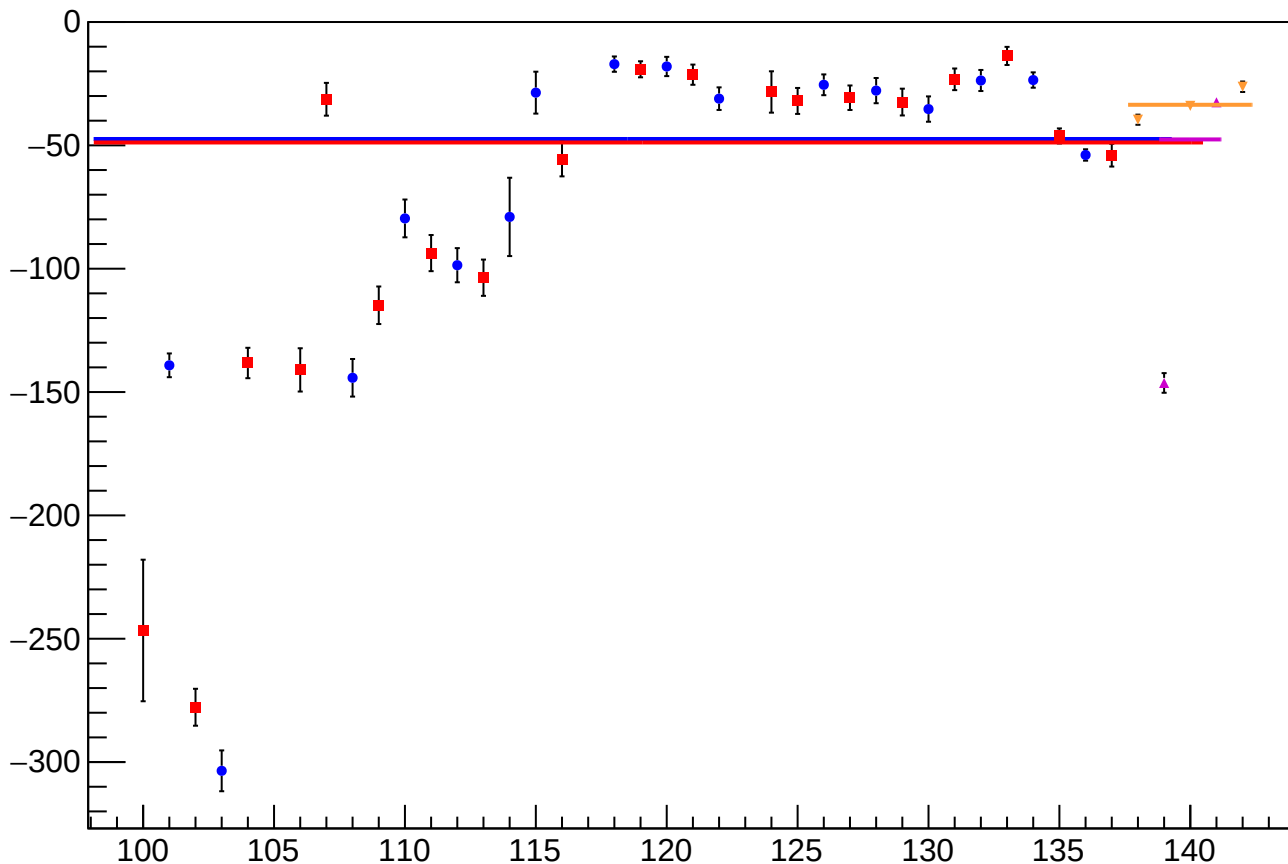
Left In: -37.165 ± 1.533 χ^2/NDF : 26.0/1

+ sign -36.489 ± 0.826 χ^2/NDF : 491.9/18

All: -34.105 ± 0.613 χ^2/NDF : 973.3/39

- sign -31.192 ± 0.913 χ^2/NDF : 462.9/20

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421 ± 1.101 χ^2/NDF : 1873.5/15

Left Out: -33.554 ± 1.060 χ^2/NDF : 20.6/2

Right Out: -48.831 ± 1.182 χ^2/NDF : 1774.6/18

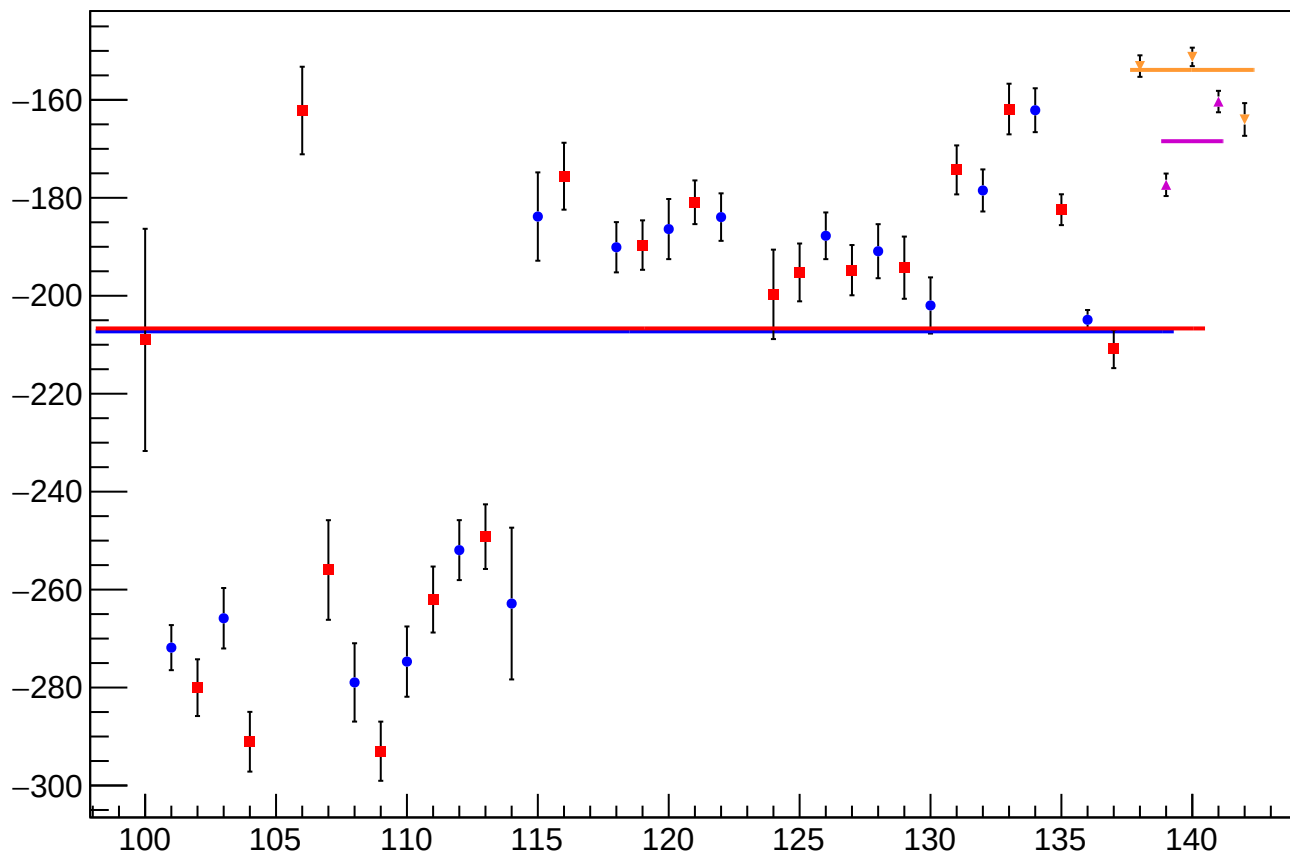
Left In: -47.596 ± 1.450 χ^2/NDF : 707.1/1

+ sign -40.222 ± 0.763 χ^2/NDF : 1976.5/18

All: -43.547 ± 0.587 χ^2/NDF : 4504.9/39

- sign -48.338 ± 0.916 χ^2/NDF : 2482.1/20

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266 ± 1.178 χ^2/NDF : 748.5/15

Left Out: -153.882 ± 1.315 χ^2/NDF : 11.3/2

Right Out: -206.673 ± 1.279 χ^2/NDF : 969.4/18

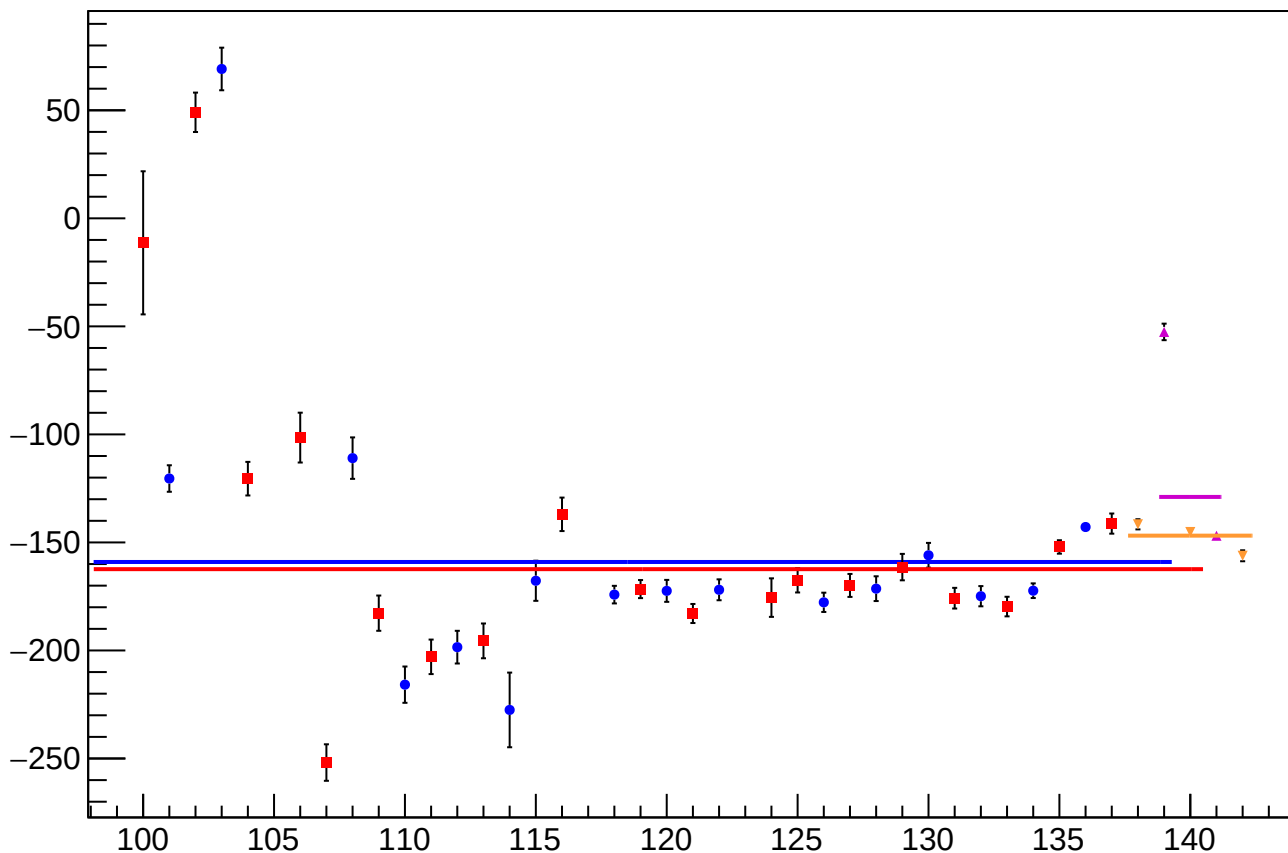
Left In: -168.441 ± 1.584 χ^2/NDF : 28.7/1

+ sign -183.500 ± 0.878 χ^2/NDF : 1673.5/18

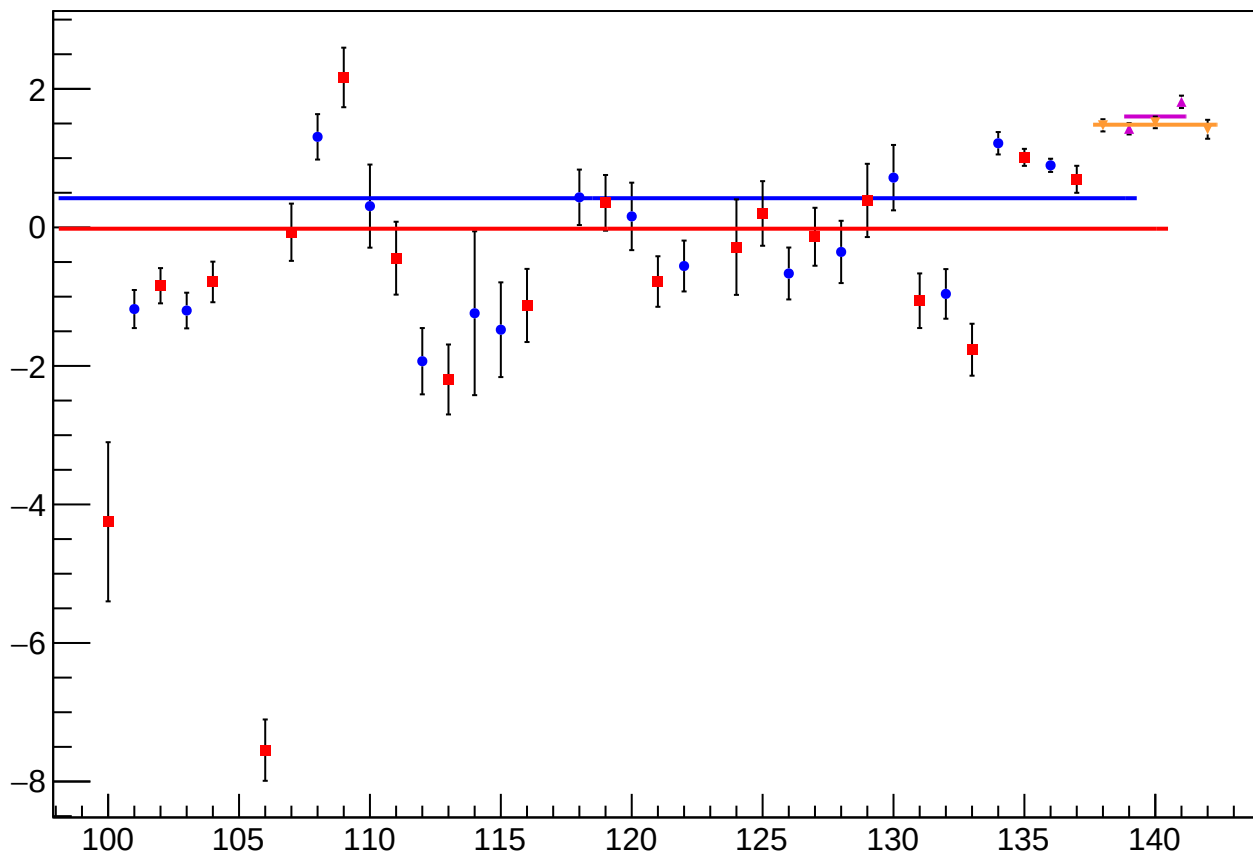
All: -187.034 ± 0.658 χ^2/NDF : 3061.2/39

- sign -191.580 ± 0.995 χ^2/NDF : 1350.6/20

reg_asym_sam2_diff_bpm4eY_slope vs Slug



reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421 ± 0.065 χ^2/NDF : 197.6/15

Left Out: 1.483 ± 0.056 χ^2/NDF : 0.4/2

Right Out: -0.019 ± 0.072 χ^2/NDF : 488.2/18

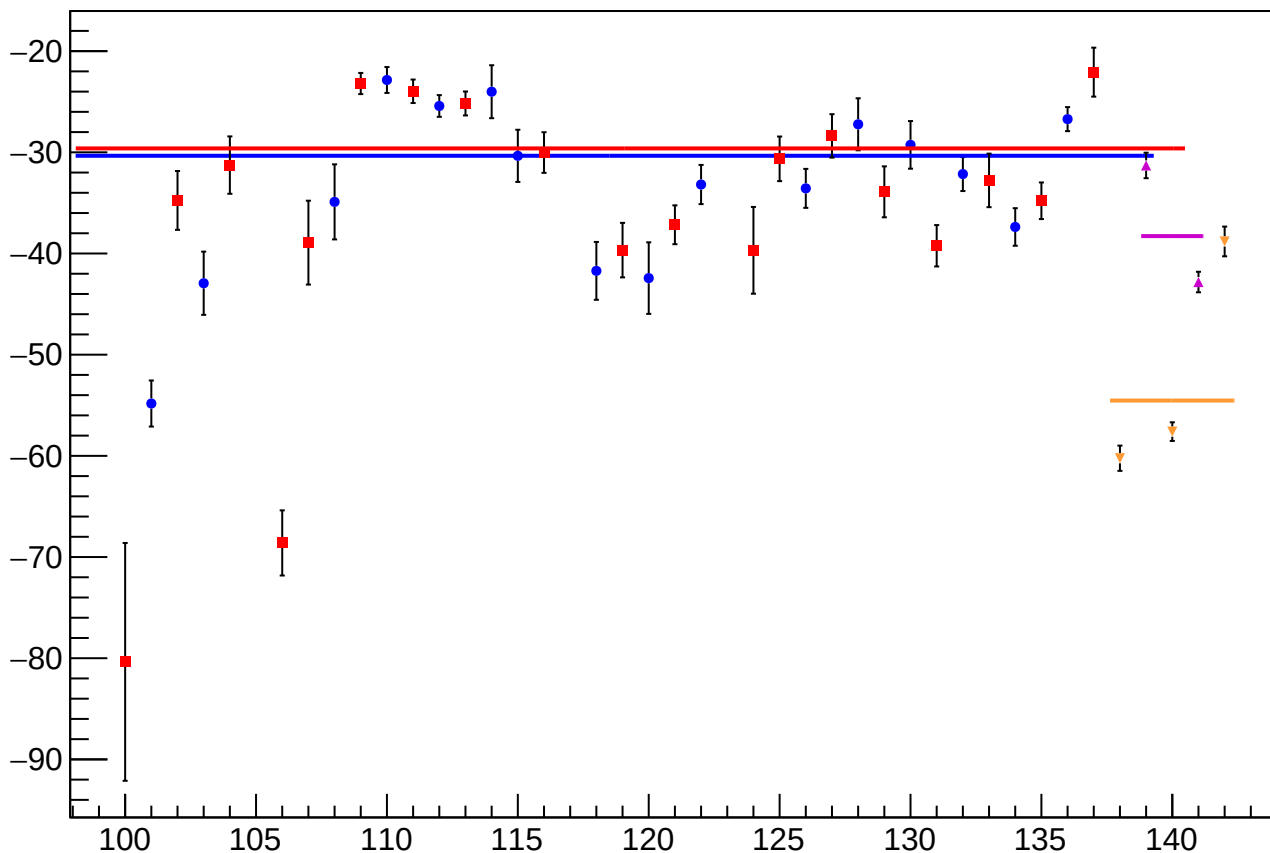
Left In: 1.601 ± 0.061 χ^2/NDF : 10.3/1

+ sign 1.033 ± 0.042 χ^2/NDF : 352.6/18

All: 0.989 ± 0.031 χ^2/NDF : 1148.9/39

- sign 0.934 ± 0.046 χ^2/NDF : 793.7/20

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341 ± 0.468 χ^2/NDF : 253.6/15

Left Out: -54.532 ± 0.662 χ^2/NDF : 146.6/2

Right Out: -29.613 ± 0.450 χ^2/NDF : 329.2/18

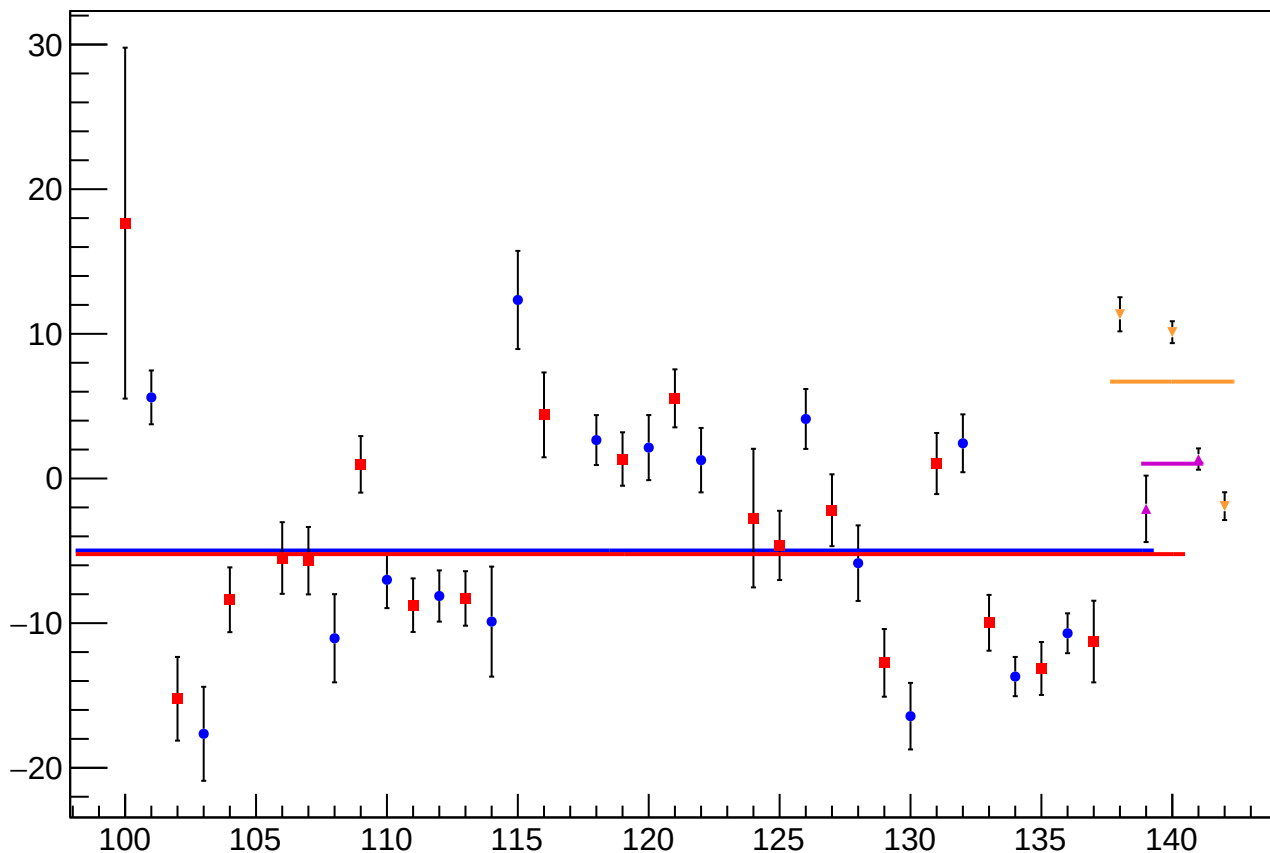
Left In: -38.281 ± 0.790 χ^2/NDF : 50.8/1

+ sign -38.406 ± 0.382 χ^2/NDF : 1291.5/18

All: -35.153 ± 0.273 χ^2/NDF : 1910.9/39

- sign -31.739 ± 0.391 χ^2/NDF : 470.8/20

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980 ± 0.510 $\chi^2/\text{NDF}: 237.3/15$

Left Out: 6.697 ± 0.531 $\chi^2/\text{NDF}: 116.2/2$

Right Out: -5.228 ± 0.524 $\chi^2/\text{NDF}: 136.5/18$

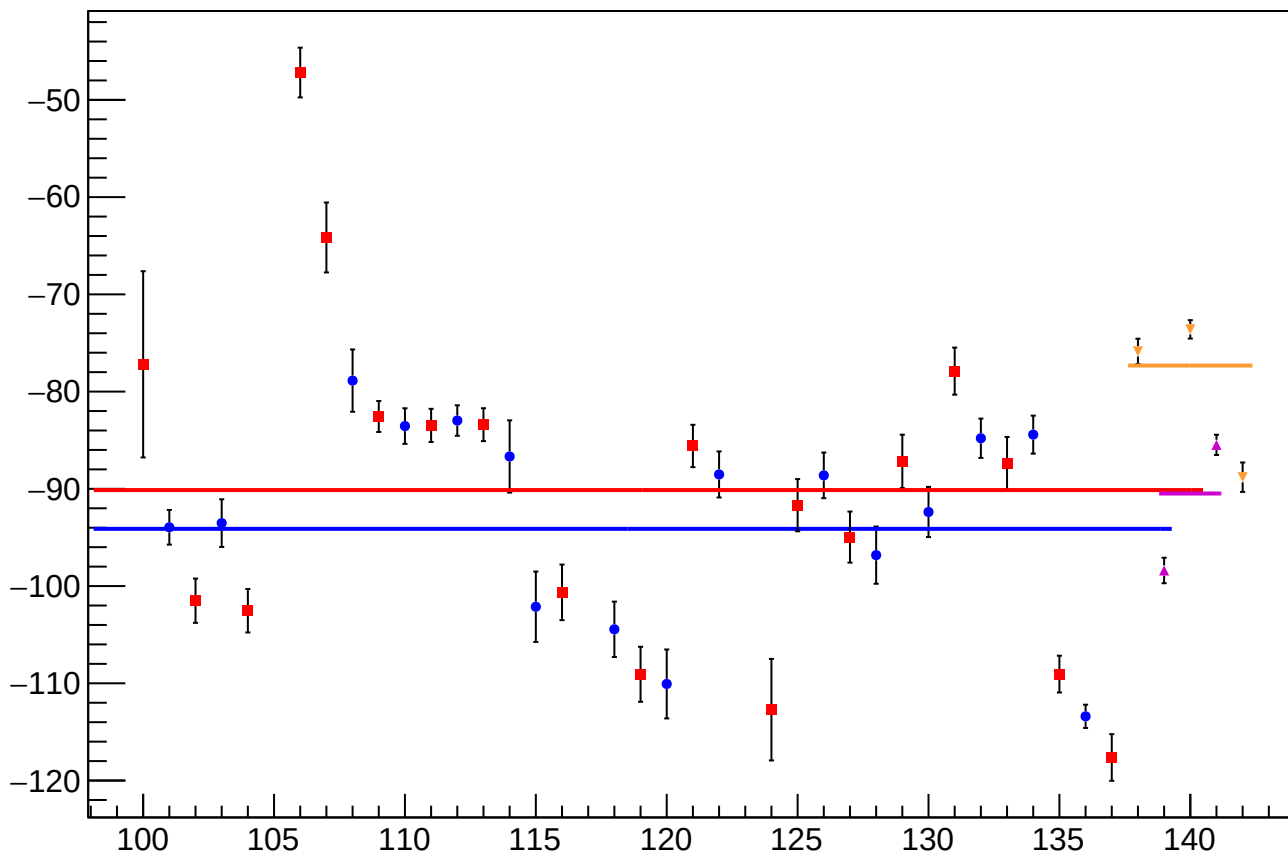
Left In: 1.024 ± 0.701 $\chi^2/\text{NDF}: 2.0/1$

+ sign 0.620 ± 0.368 $\chi^2/\text{NDF}: 605.3/18$

All: -0.948 ± 0.276 $\chi^2/\text{NDF}: 836.7/39$

- sign -2.989 ± 0.420 $\chi^2/\text{NDF}: 189.6/20$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115 ± 0.537 χ^2/NDF : 466.8/15

Left Out: -77.319 ± 0.683 χ^2/NDF : 74.2/2

Right Out: -90.127 ± 0.543 χ^2/NDF : 789.3/18

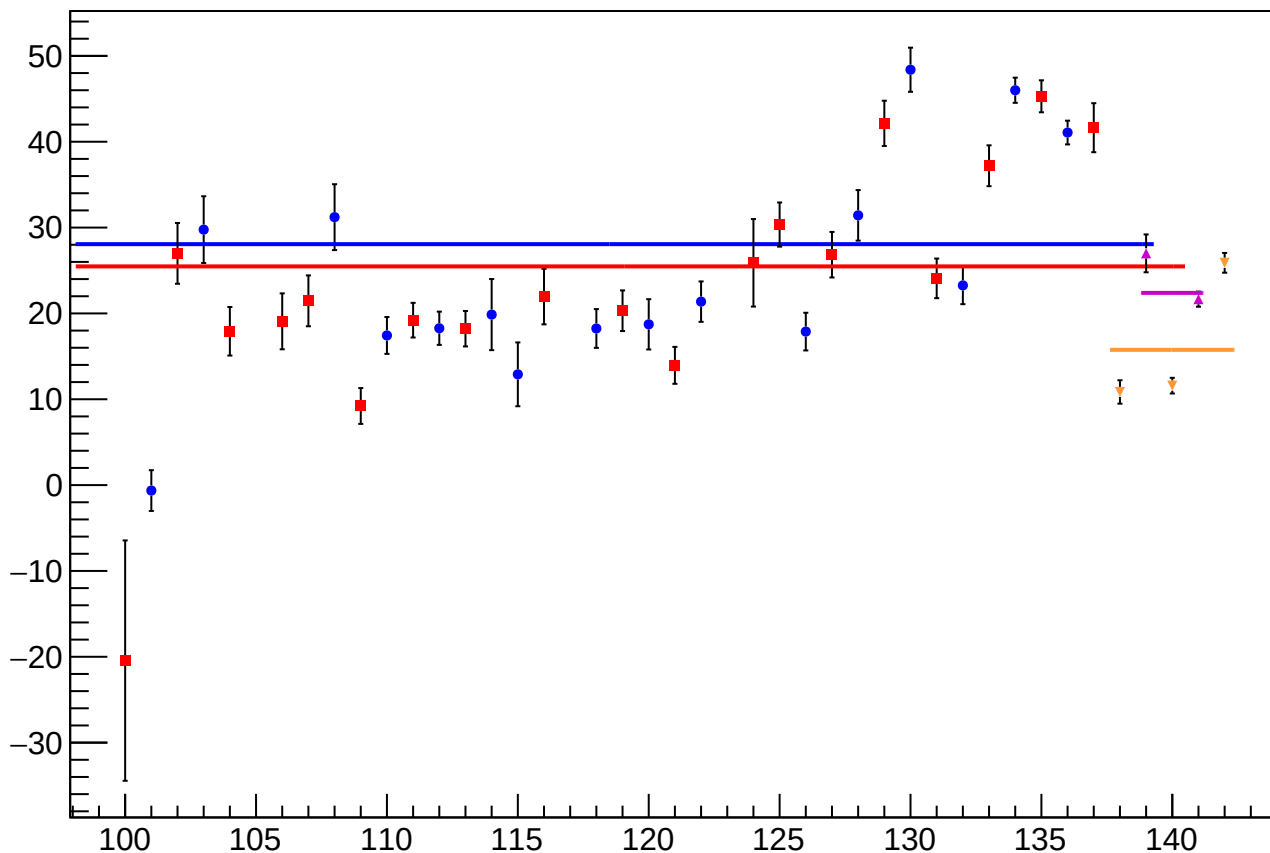
Left In: -90.481 ± 0.815 χ^2/NDF : 59.6/1

+ sign -87.702 ± 0.422 χ^2/NDF : 914.6/18

All: -88.883 ± 0.309 χ^2/NDF : 1780.5/39

- sign -90.236 ± 0.452 χ^2/NDF : 849.1/20

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068 $\pm$ 0.569 χ^2 /NDF: 583.1/15

Left Out: 15.756 $\pm$ 0.633 χ^2 /NDF: 111.4/2

Right Out: 25.477 $\pm$ 0.590 χ^2 /NDF: 354.6/18

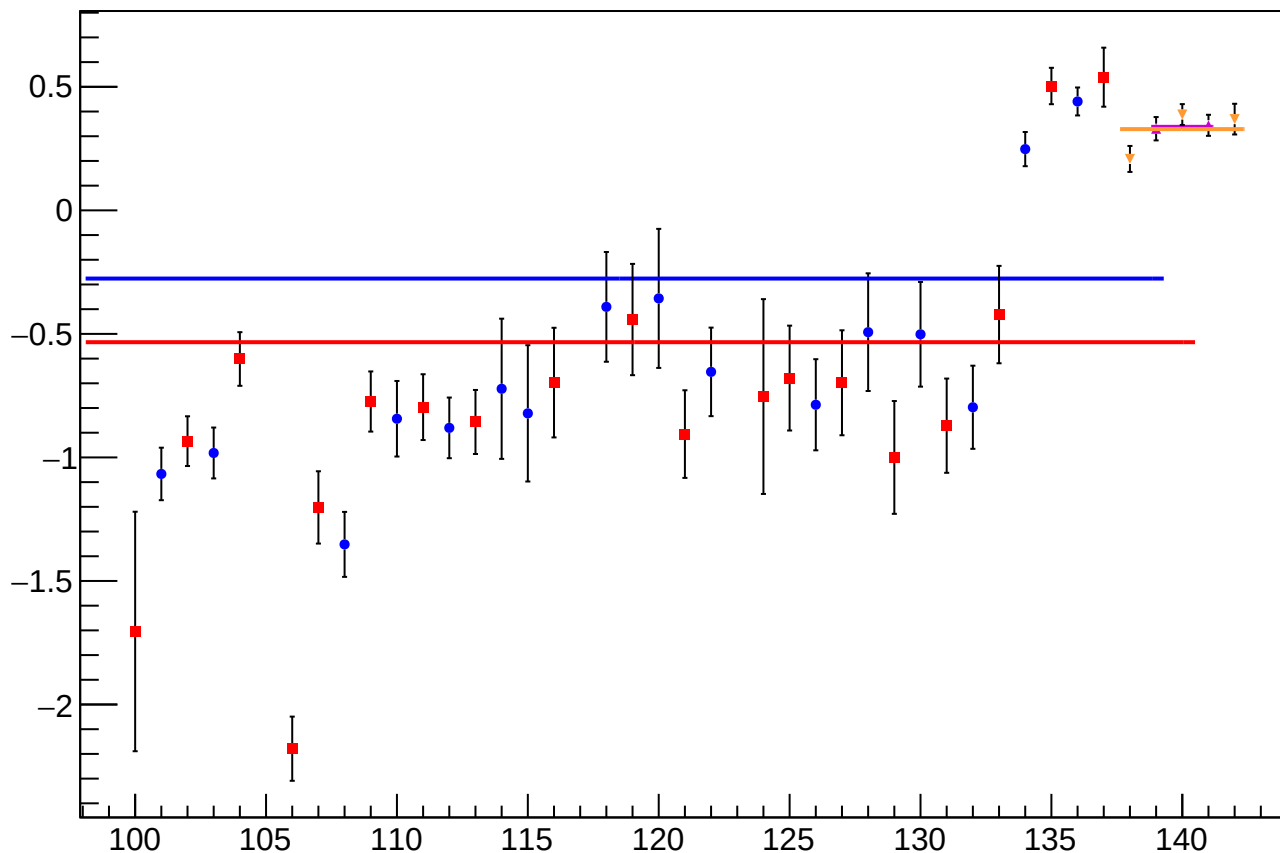
Left In: 22.392 $\pm$ 0.816 χ^2 /NDF: 5.1/1

+ sign 22.569 $\pm$ 0.423 χ^2 /NDF: 903.7/18

All: 23.381 $\pm$ 0.317 χ^2 /NDF: 1281.2/39

- sign 24.417 $\pm$ 0.478 χ^2 /NDF: 369.1/20

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276 ± 0.031 χ^2/NDF : 455.6/15

Left Out: 0.329 ± 0.029 χ^2/NDF : 7.7/2

Right Out: -0.534 ± 0.033 χ^2/NDF : 510.3/18

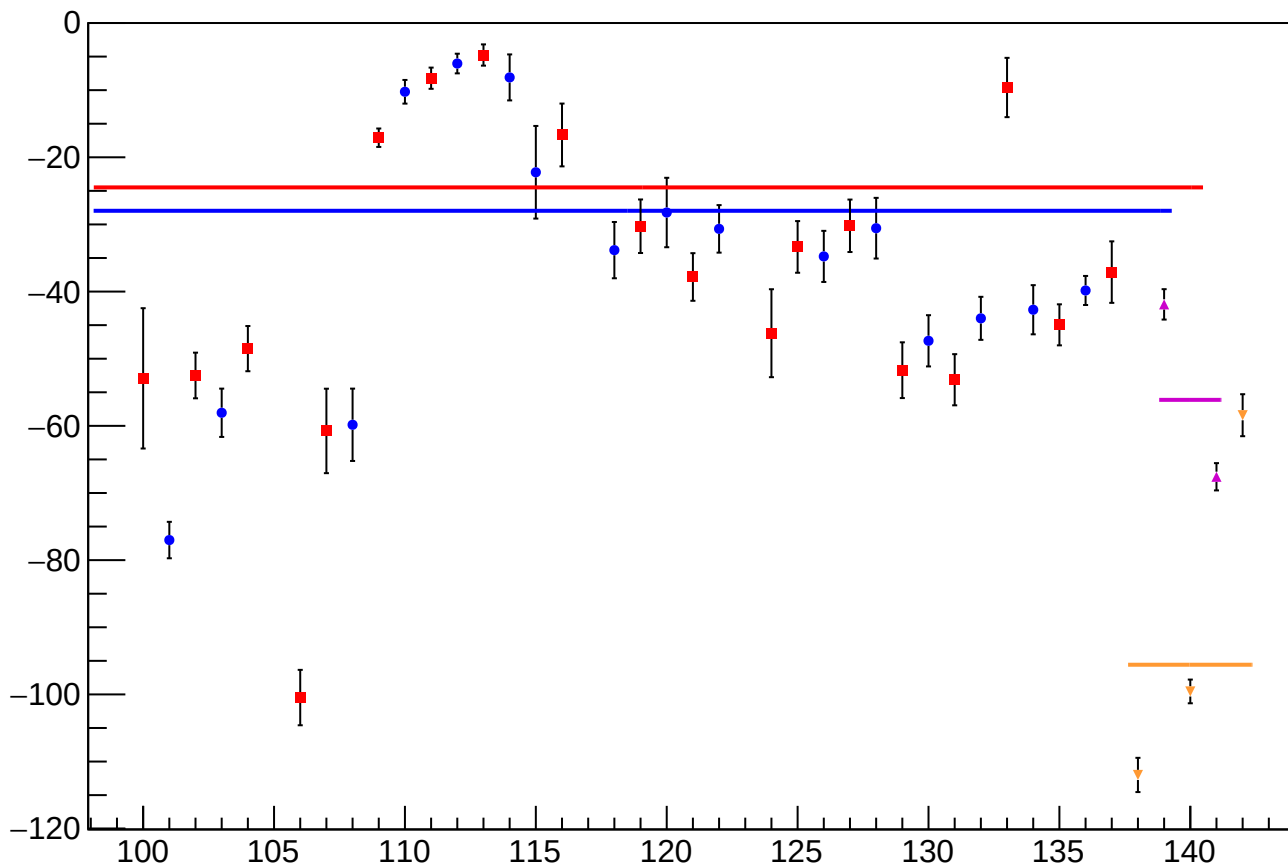
Left In: 0.338 ± 0.032 χ^2/NDF : 0.0/1

+ sign 0.042 ± 0.021 χ^2/NDF : 668.4/18

All: -0.015 ± 0.015 χ^2/NDF : 1559.9/39

- sign -0.081 ± 0.023 χ^2/NDF : 875.6/20

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967 ± 0.728 χ^2/NDF : 894.7/15

Left Out: -95.579 ± 1.317 χ^2/NDF : 187.7/2

Right Out: -24.485 ± 0.663 χ^2/NDF : 989.7/18

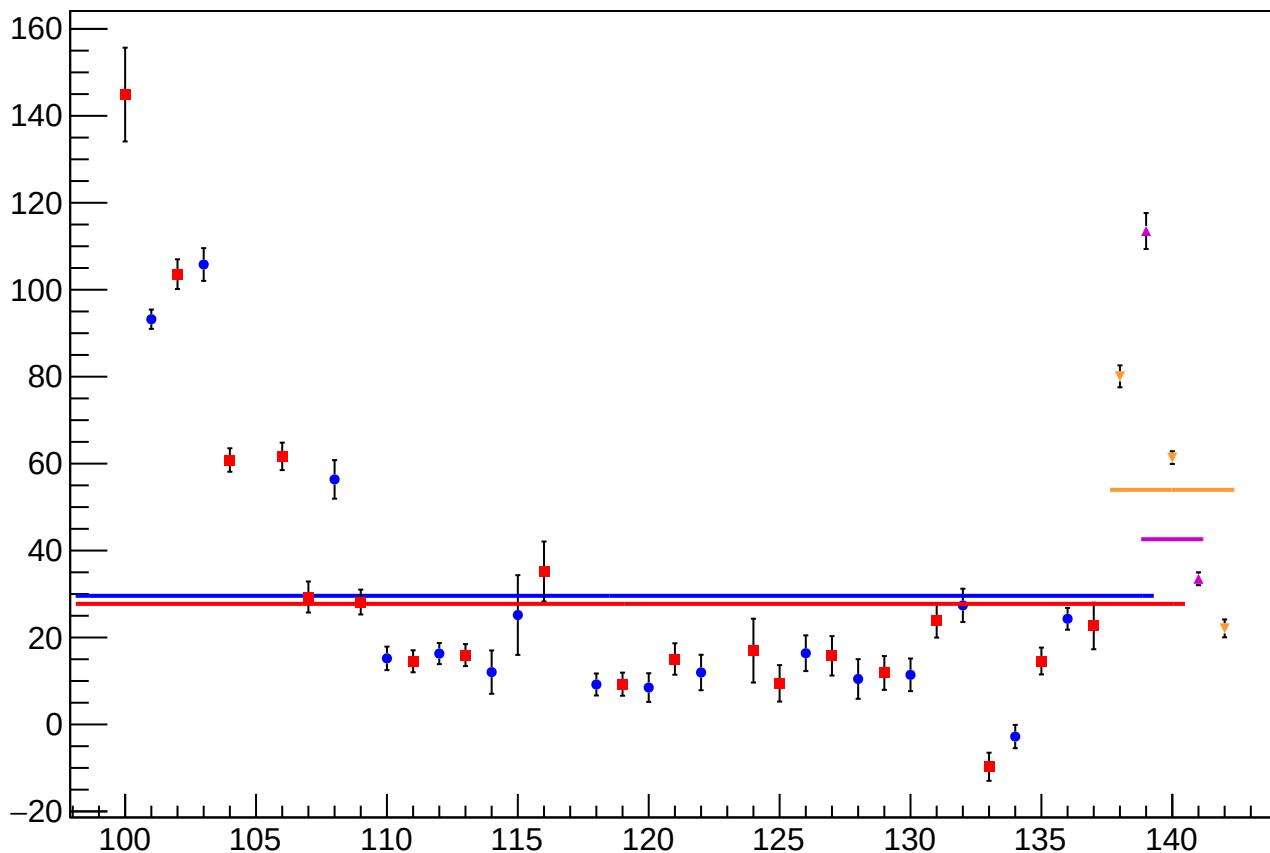
Left In: -56.128 ± 1.512 χ^2/NDF : 71.3/1

+ sign -43.783 ± 0.637 χ^2/NDF : 3102.3/18

All: -36.345 ± 0.439 χ^2/NDF : 4791.0/39

- sign -29.585 ± 0.607 χ^2/NDF : 1428.3/20

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594 $\pm$ 0.807 χ^2 /NDF: 1665.7/15

Left Out: 53.967 $\pm$ 1.079 χ^2 /NDF:372.8/2

Right Out: 27.736 $\pm$ 0.797 χ^2 /NDF: 1185.1/18

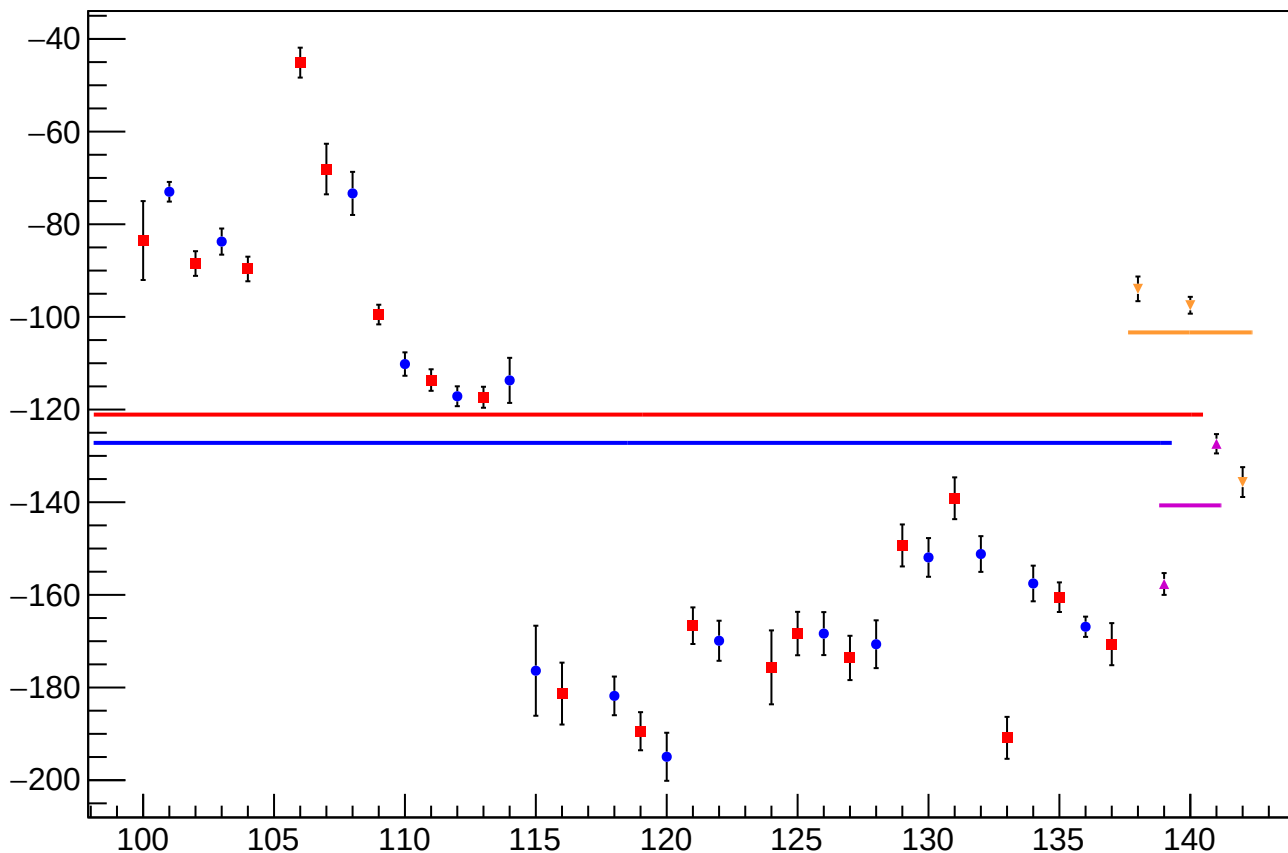
Left In: 42.608 $\pm$ 1.397 χ^2 /NDF:330.5/1

+ sign 38.337 $\pm$ 0.646 χ^2 /NDF: 2365.6/18

All: 35.100 $\pm$ 0.472 χ^2 /NDF: 4020.5/39

- sign 31.388 $\pm$ 0.692 χ^2 /NDF: 1601.1/20

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190 $\pm$ 0.829 χ^2 /NDF: 2178.2/15

Left Out: -103.347 $\pm$ 1.360 χ^2 /NDF:123.3/2

Right Out: -121.086 $\pm$ 0.798 χ^2 /NDF: 2397.3/18

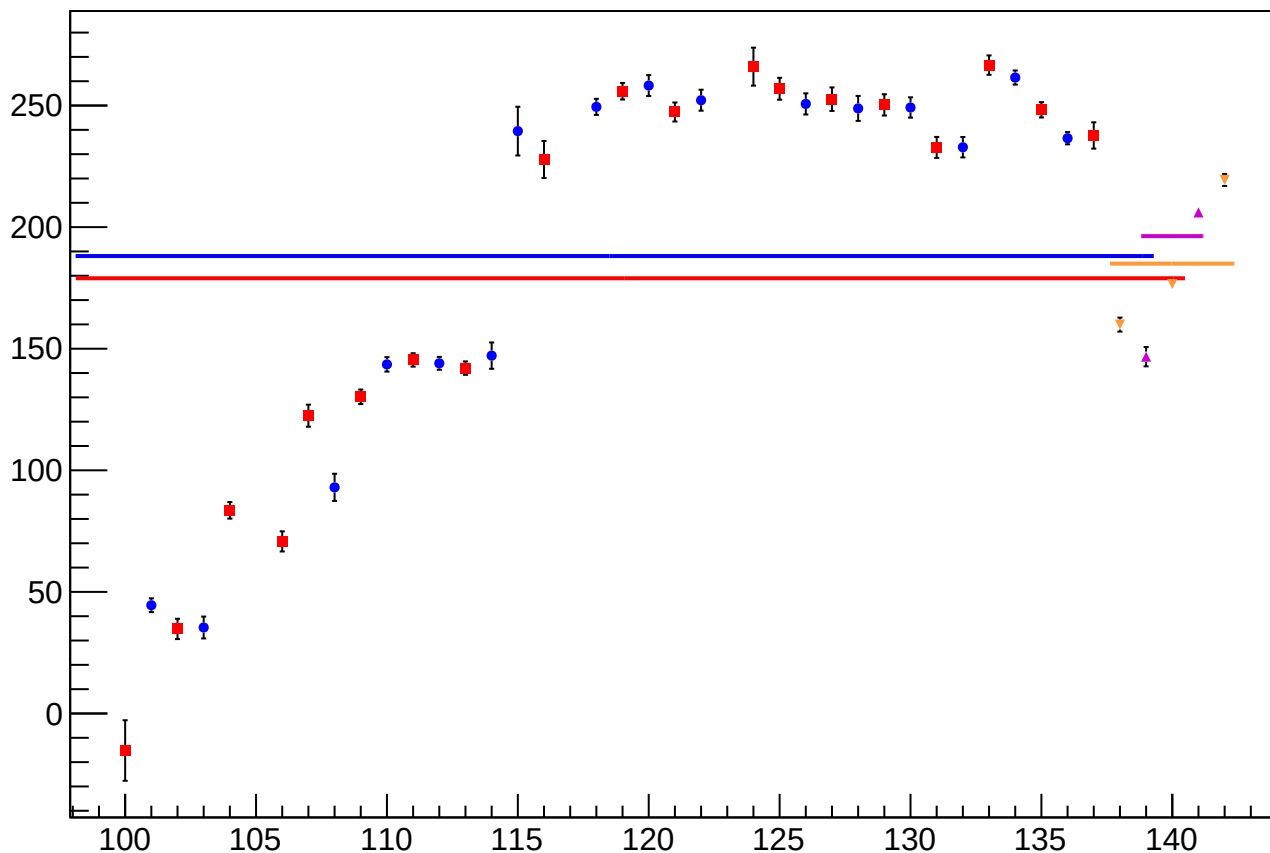
Left In: -140.683 $\pm$ 1.561 χ^2 /NDF:92.6/1

+ sign -120.727 $\pm$ 0.708 χ^2 /NDF: 2525.4/18

All: -122.929 $\pm$ 0.501 χ^2 /NDF: 5159.8/39

- sign -125.145 $\pm$ 0.710 χ^2 /NDF: 2614.9/20

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107 $\pm$ 0.918 χ^2 /NDF: 7118.6/15

Left Out: 184.991 $\pm$ 1.283 χ^2 /NDF: 294.6/2

Right Out: 178.971 $\pm$ 0.908 χ^2 /NDF: 6668.8/18

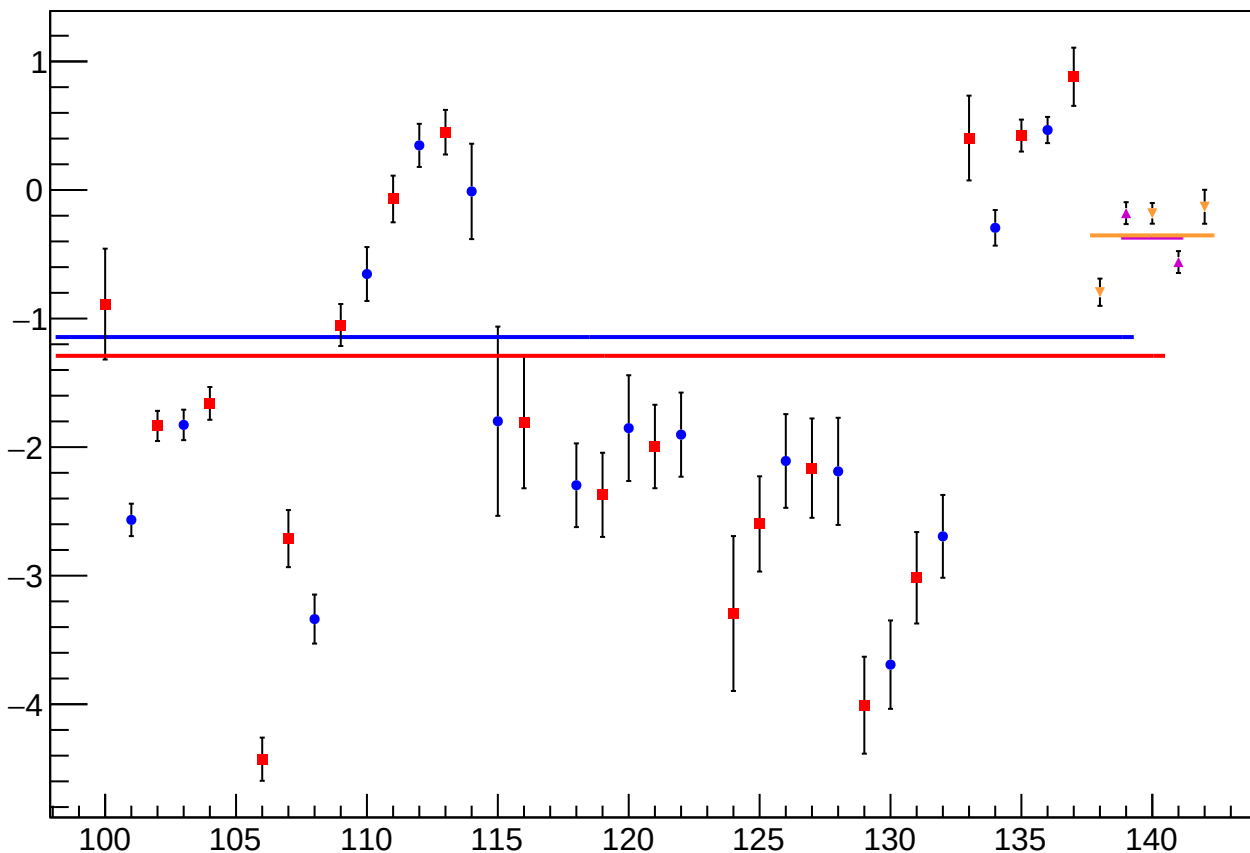
Left In: 196.296 $\pm$ 1.613 χ^2 /NDF: 185.8/1

+ sign 187.051 $\pm$ 0.747 χ^2 /NDF: 7417.2/18

All: 185.209 $\pm$ 0.543 χ^2 /NDF: 14372.3/39

- sign 183.139 $\pm$ 0.791 χ^2 /NDF: 6942.2/20

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144 ± 0.048 χ^2/NDF : 787.4/15

Left Out: -0.353 ± 0.058 χ^2/NDF : 24.8/2

Right Out: -1.290 ± 0.047 χ^2/NDF : 998.3/18

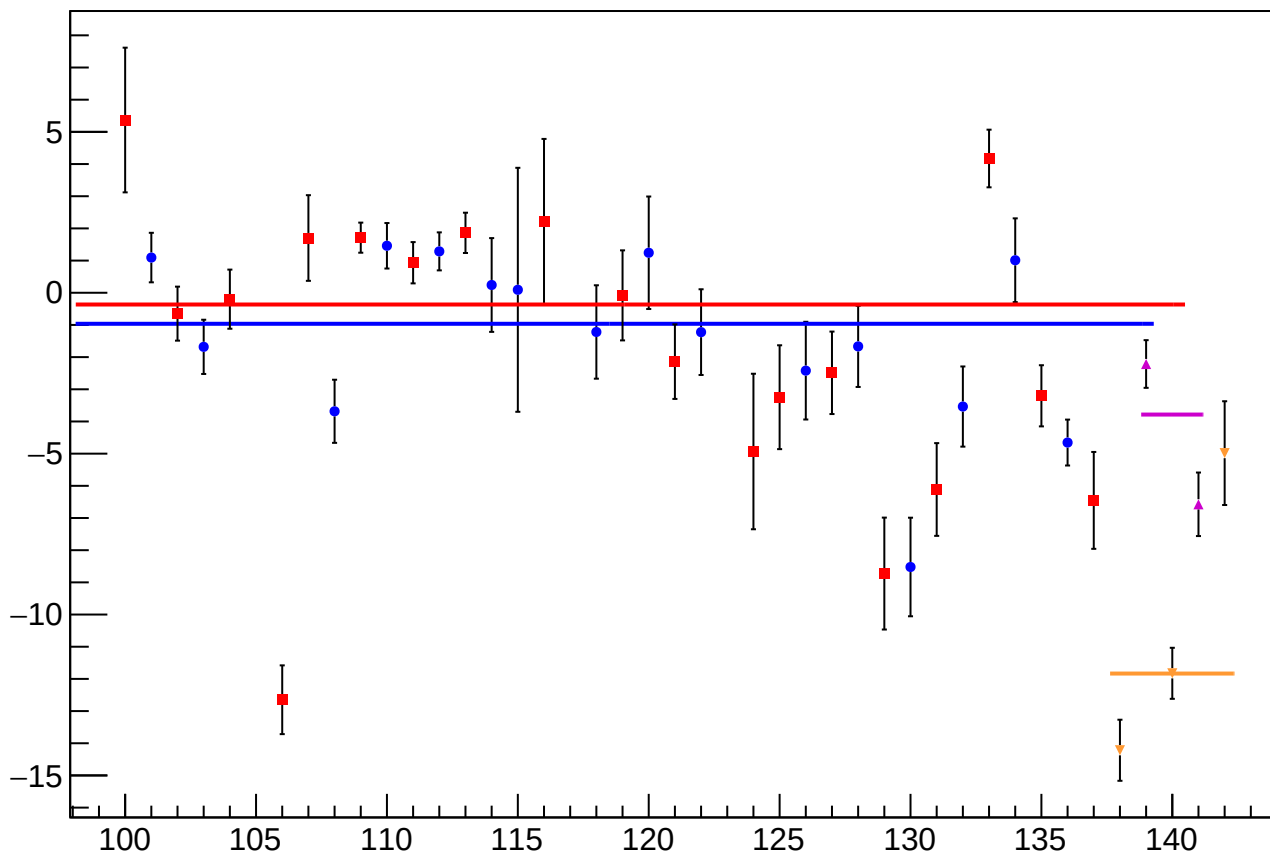
Left In: -0.371 ± 0.060 χ^2/NDF : 10.0/1

+ sign -0.820 ± 0.037 χ^2/NDF : 923.3/18

All: -0.878 ± 0.026 χ^2/NDF : 2080.4/39

- sign -0.938 ± 0.037 χ^2/NDF : 1152.0/20

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964 ± 0.253 χ^2/NDF : 103.2/15

Left Out: -11.834 ± 0.569 χ^2/NDF : 24.4/2

Right Out: -0.365 ± 0.224 χ^2/NDF : 280.6/18

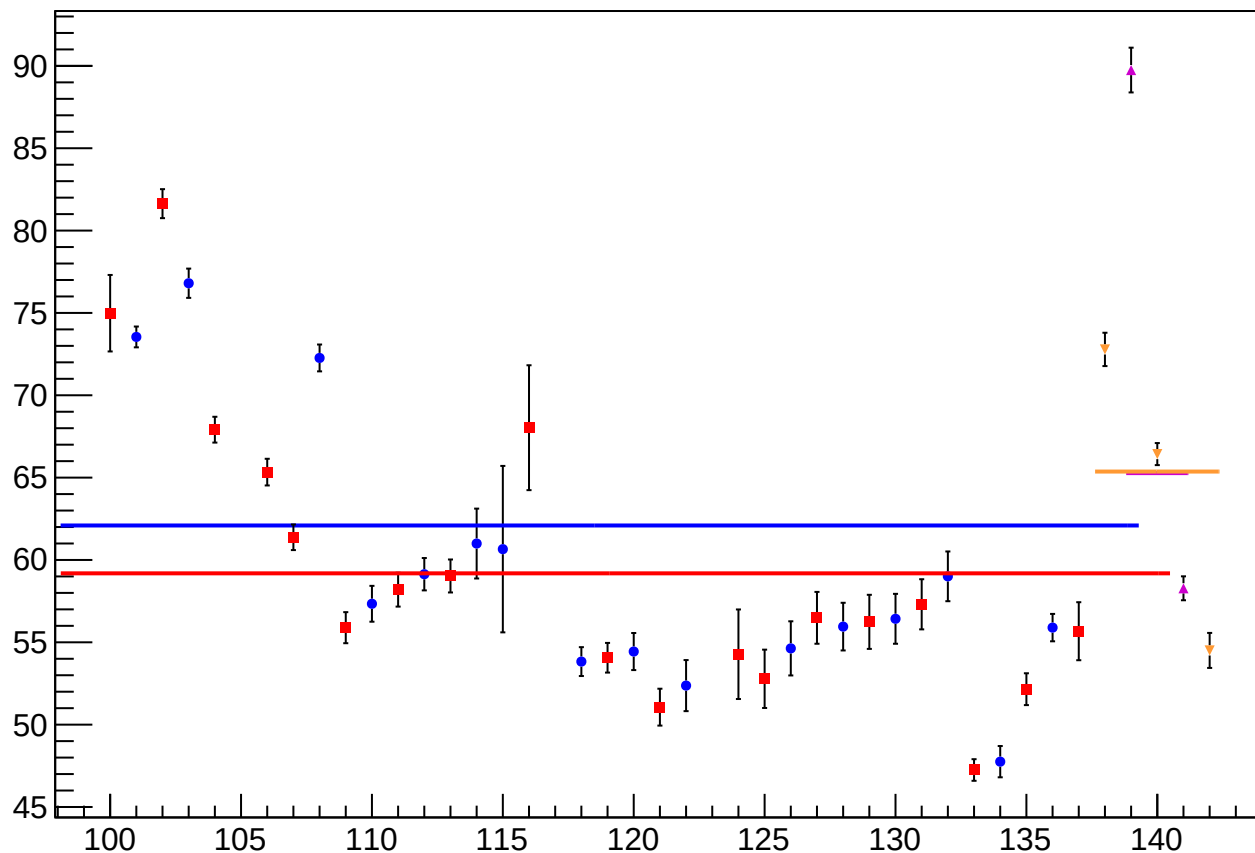
Left In: -3.785 ± 0.593 χ^2/NDF : 12.5/1

+ sign -2.759 ± 0.231 χ^2/NDF : 431.9/18

All: -1.677 ± 0.155 χ^2/NDF : 793.8/39

- sign -0.792 ± 0.209 χ^2/NDF : 322.2/20

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094 $\pm$ 0.265 χ^2 /NDF: 1301.3/15

Left Out: 65.368 $\pm$ 0.494 χ^2 /NDF:160.6/2

Right Out: 59.188 $\pm$ 0.244 χ^2 /NDF: 1402.1/18

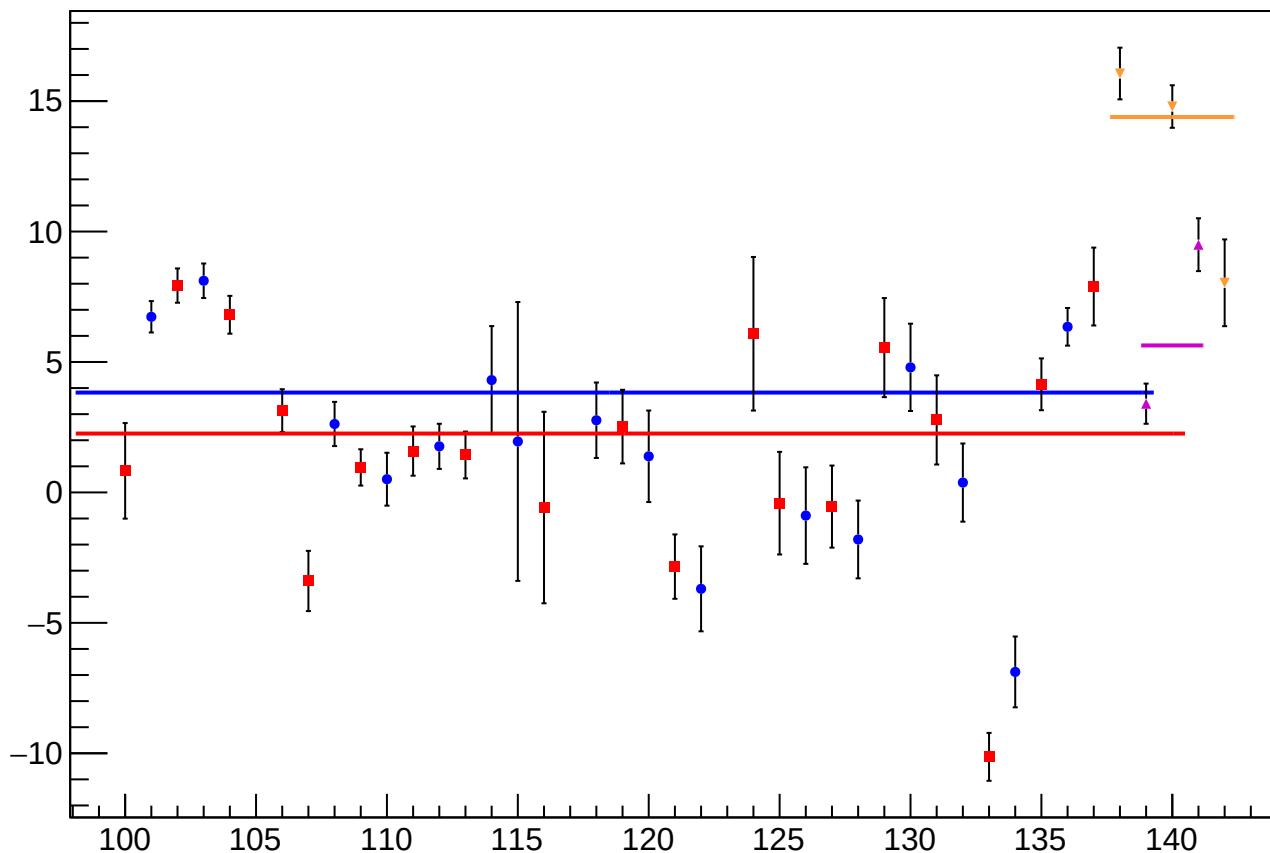
Left In: 65.273 $\pm$ 0.641 χ^2 /NDF:417.0/1

+ sign 62.826 $\pm$ 0.234 χ^2 /NDF: 1495.9/18

All: 61.355 $\pm$ 0.163 χ^2 /NDF: 3471.1/39

- sign 59.957 $\pm$ 0.228 χ^2 /NDF: 1897.9/20

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828 ± 0.265 $\chi^2/\text{NDF}: 208.6/15$

Left Out: 14.391 ± 0.589 $\chi^2/\text{NDF}: 17.7/2$

Right Out: 2.257 ± 0.246 $\chi^2/\text{NDF}: 371.9/18$

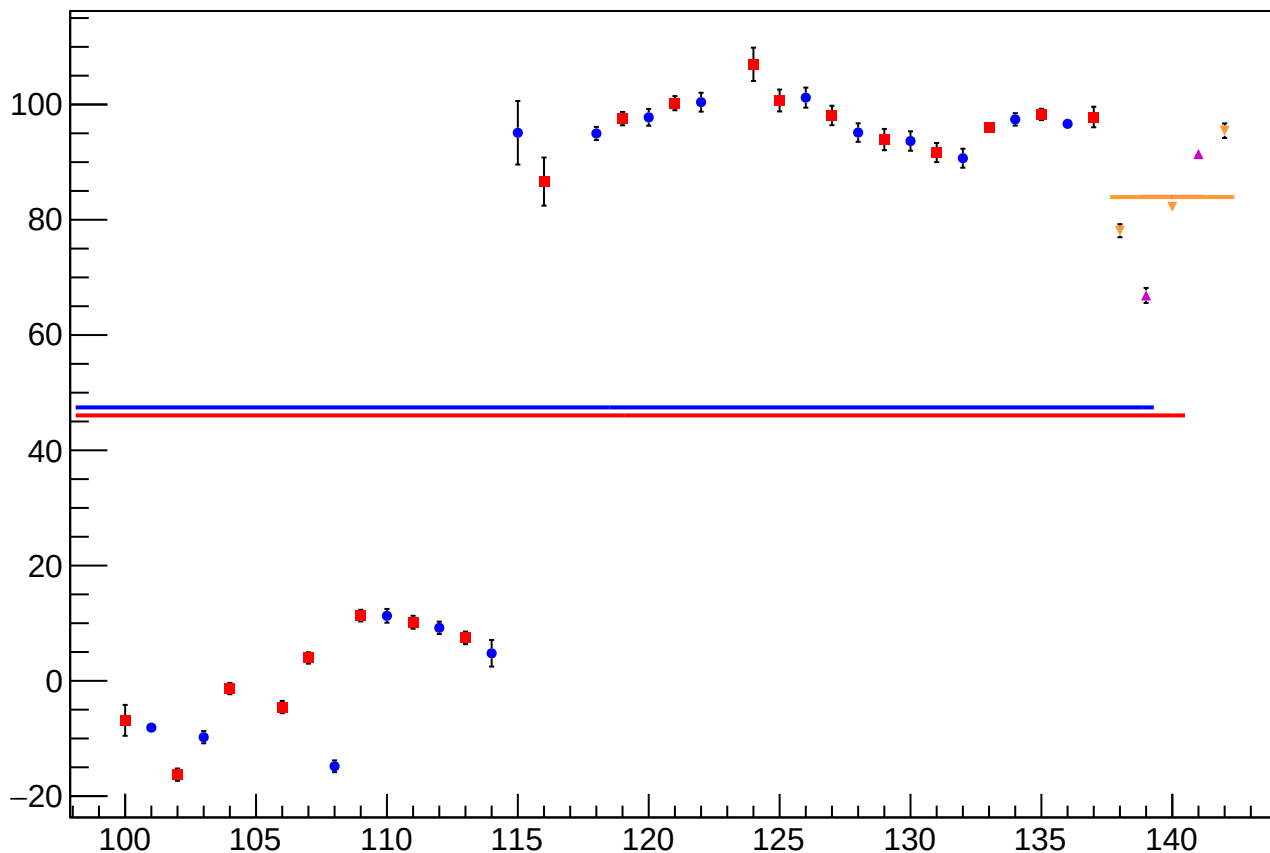
Left In: 5.634 ± 0.613 $\chi^2/\text{NDF}: 23.0/1$

+ sign 5.609 ± 0.242 $\chi^2/\text{NDF}: 493.6/18$

All: 4.087 ± 0.166 $\chi^2/\text{NDF}: 989.6/39$

- sign 2.727 ± 0.229 $\chi^2/\text{NDF}: 421.0/20$

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443 $\pm$ 0.308 χ^2 /NDF: 26886.9/15

Left Out: 83.938 $\pm$ 0.582 χ^2 /NDF:113.6/2

Right Out: 46.053 $\pm$ 0.284 χ^2 /NDF: 28897.8/18

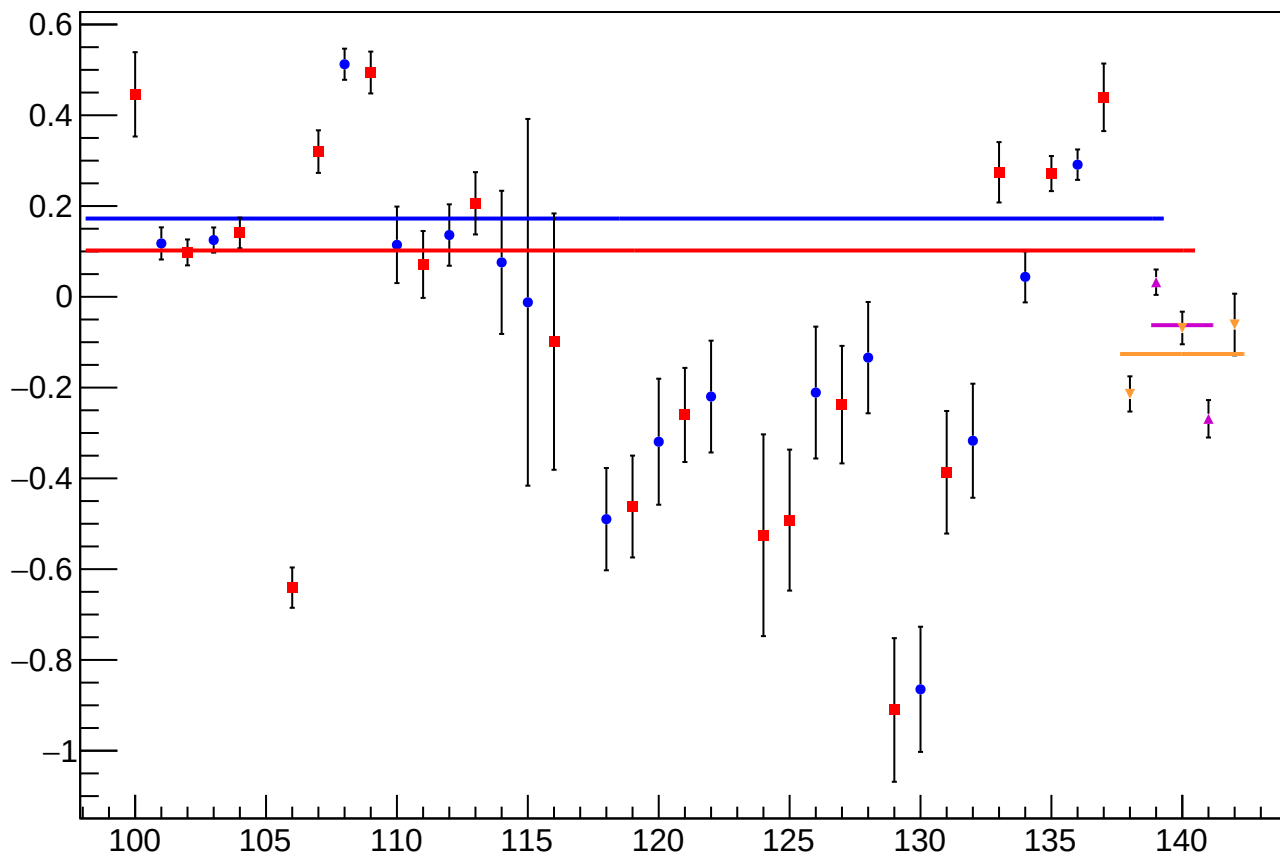
Left In: 83.969 $\pm$ 0.719 χ^2 /NDF:246.2/1

+ sign 55.440 $\pm$ 0.272 χ^2 /NDF: 30075.7/18

All: 53.251 $\pm$ 0.190 χ^2 /NDF: 61750.4/39

- sign 51.184 $\pm$ 0.264 χ^2 /NDF: 31548.9/20

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172 $\pm$ 0.014 χ^2 /NDF: 265.0/15

Left Out: -0.126 $\pm$ 0.025 χ^2 /NDF: 8.6/2

Right Out: 0.102 $\pm$ 0.013 χ^2 /NDF: 558.7/18

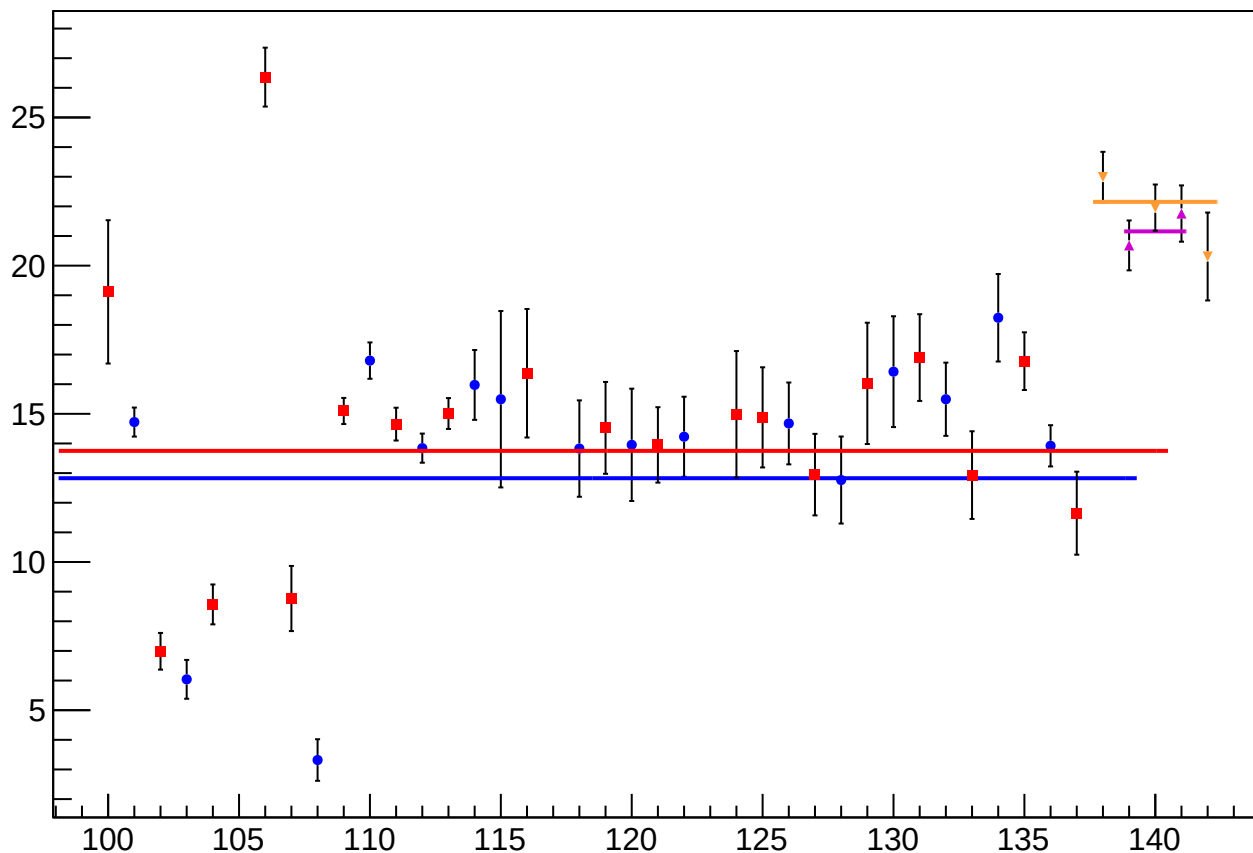
Left In: -0.062 $\pm$ 0.023 χ^2 /NDF: 36.5/1

+ sign 0.098 $\pm$ 0.012 χ^2 /NDF: 384.3/18

All: 0.078 $\pm$ 0.008 χ^2 /NDF: 1022.3/39

- sign 0.061 $\pm$ 0.012 χ^2 /NDF: 633.0/20

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827 ± 0.214 $\chi^2/\text{NDF}: 388.0/15$

Left Out: 22.152 ± 0.536 $\chi^2/\text{NDF}: 2.6/2$

Right Out: 13.750 ± 0.204 $\chi^2/\text{NDF}: 404.0/18$

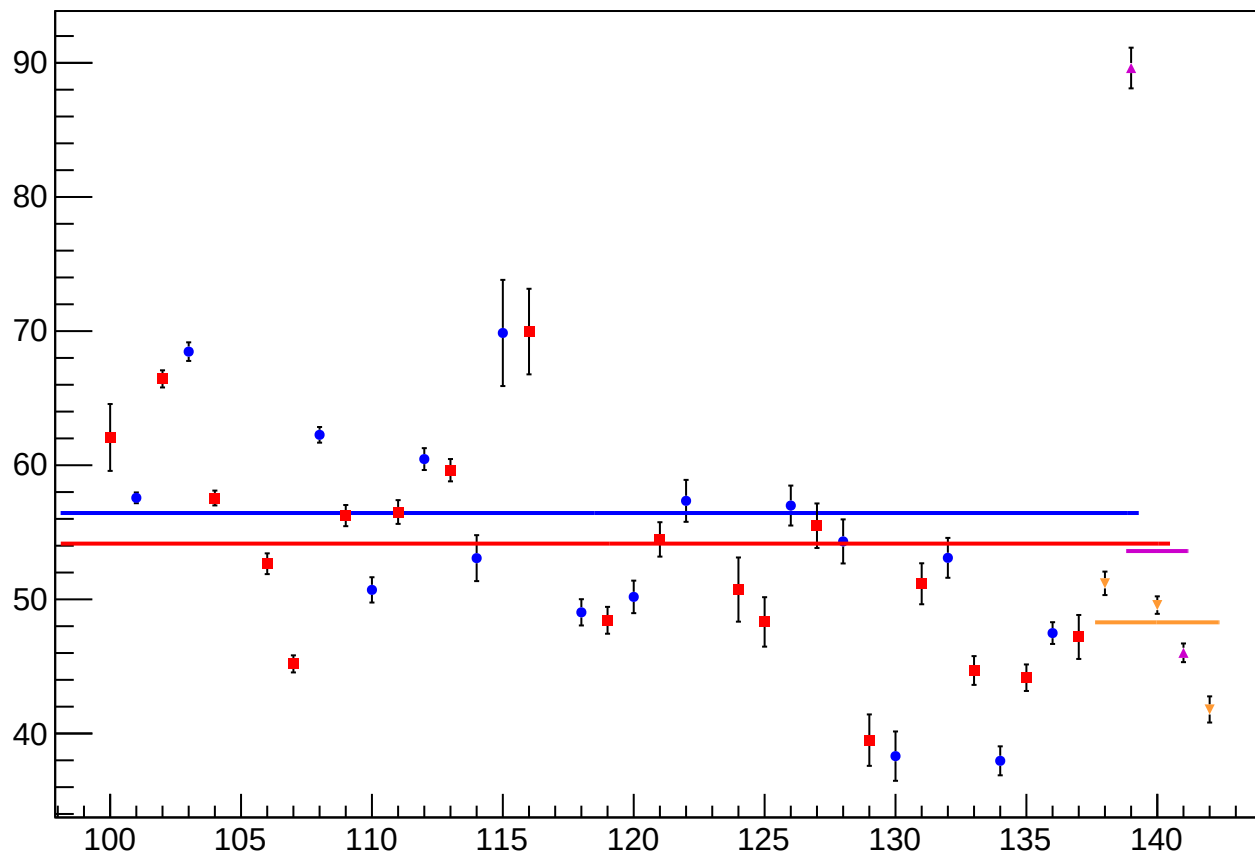
Left In: 21.156 ± 0.630 $\chi^2/\text{NDF}: 0.7/1$

+ sign 14.110 ± 0.199 $\chi^2/\text{NDF}: 651.6/18$

All: 14.286 ± 0.139 $\chi^2/\text{NDF}: 1183.0/39$

- sign 14.454 ± 0.194 $\chi^2/\text{NDF}: 529.8/20$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438 $\pm$ 0.222 χ^2 /NDF: 1088.0/15

Left Out: 48.288 $\pm$ 0.461 χ^2 /NDF: 59.2/2

Right Out: 54.156 $\pm$ 0.225 χ^2 /NDF: 1006.6/18

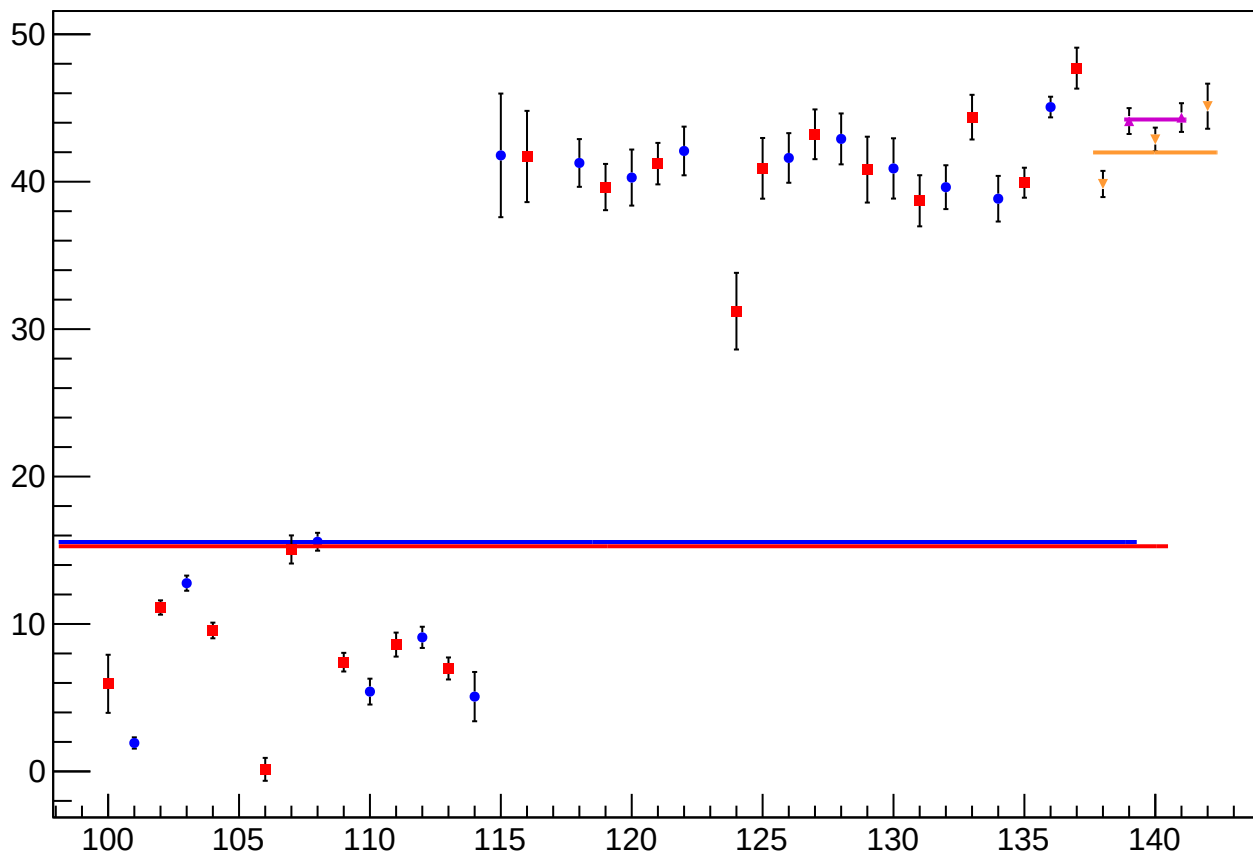
Left In: 53.602 $\pm$ 0.633 χ^2 /NDF: 682.2/1

+ sign 54.905 $\pm$ 0.200 χ^2 /NDF: 1401.2/18

All: 54.523 $\pm$ 0.145 χ^2 /NDF: 3098.4/39

- sign 54.094 $\pm$ 0.212 χ^2 /NDF: 1689.5/20

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561 $\pm$ 0.214 χ^2 /NDF: 5176.0/15

Left Out: 41.984 $\pm$ 0.555 χ^2 /NDF: 11.2/2

Right Out: 15.272 $\pm$ 0.219 χ^2 /NDF: 3873.0/18

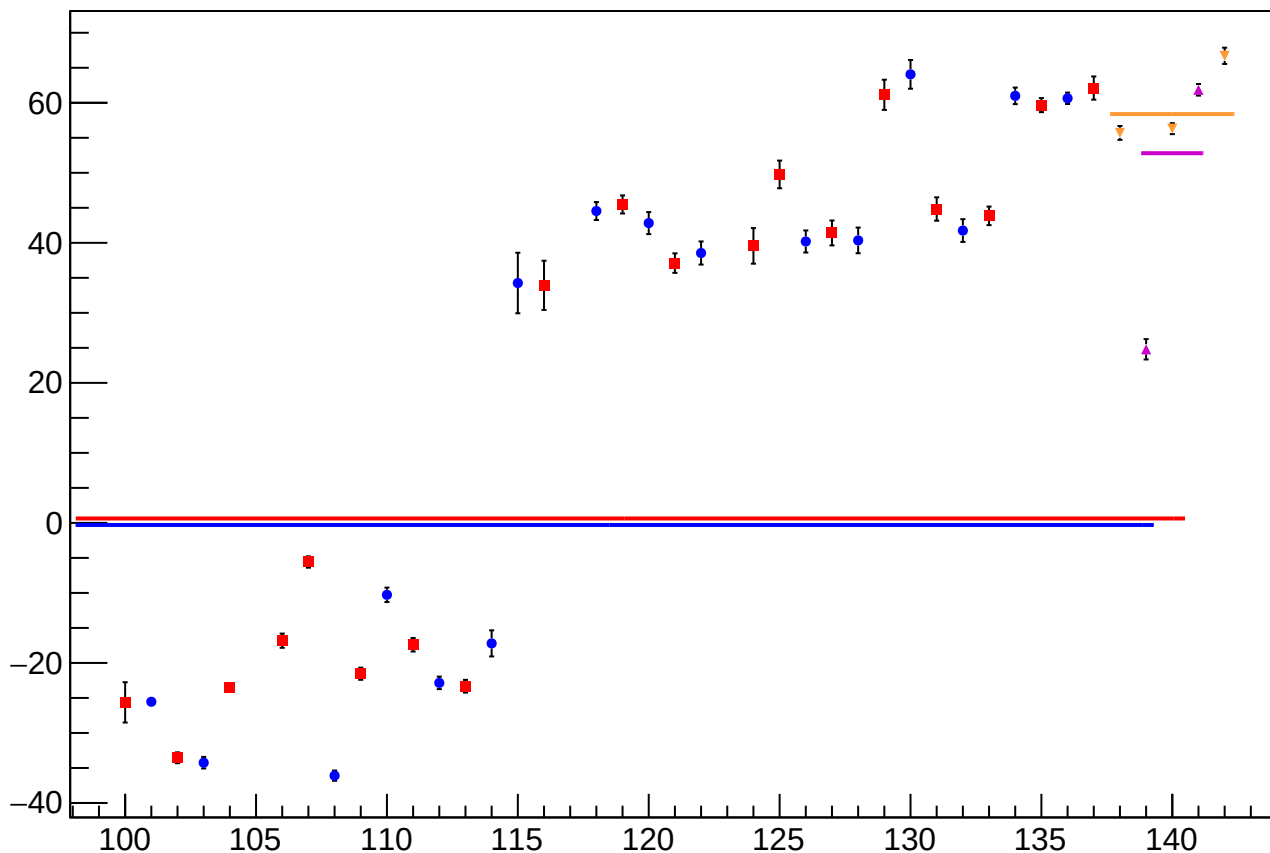
Left In: 44.220 $\pm$ 0.652 χ^2 /NDF: 0.0/1

+ sign 18.985 $\pm$ 0.200 χ^2 /NDF: 7162.7/18

All: 18.613 $\pm$ 0.144 χ^2 /NDF: 12814.6/39

- sign 18.211 $\pm$ 0.208 χ^2 /NDF: 5644.7/20

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296 ± 0.261 χ^2/NDF : 21030.9/15

Left Out: 58.388 ± 0.543 χ^2/NDF : 65.6/2

Right Out: 0.633 ± 0.264 χ^2/NDF : 16028.1/18

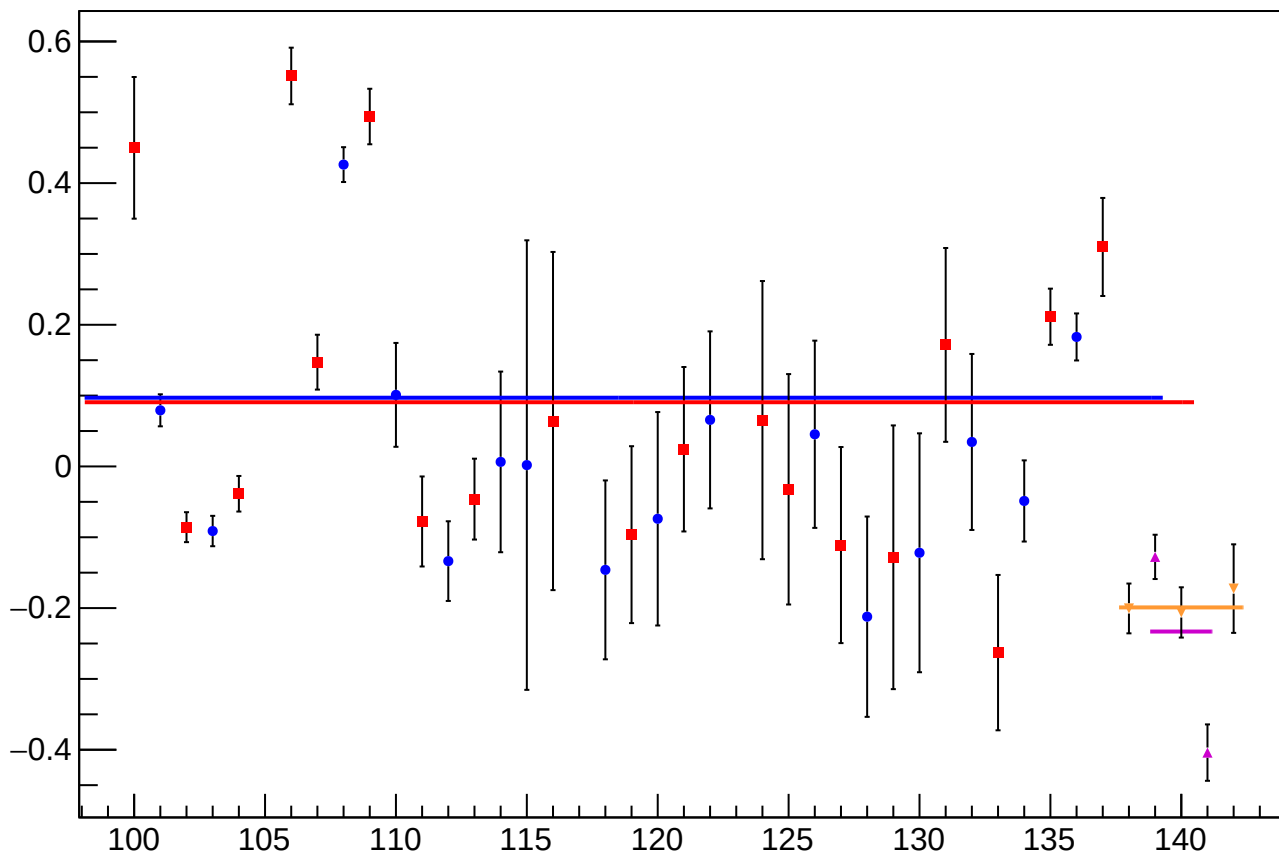
Left In: 52.800 ± 0.719 χ^2/NDF : 490.2/1

+ sign 10.740 ± 0.236 χ^2/NDF : 30574.3/18

All: 8.873 ± 0.171 χ^2/NDF : 51862.8/39

- sign 6.811 ± 0.248 χ^2/NDF : 21156.2/20

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097 ± 0.011 χ^2/NDF : 299.1/15

Left Out: -0.199 ± 0.023 χ^2/NDF : 0.2/2

Right Out: 0.091 ± 0.011 χ^2/NDF : 399.5/18

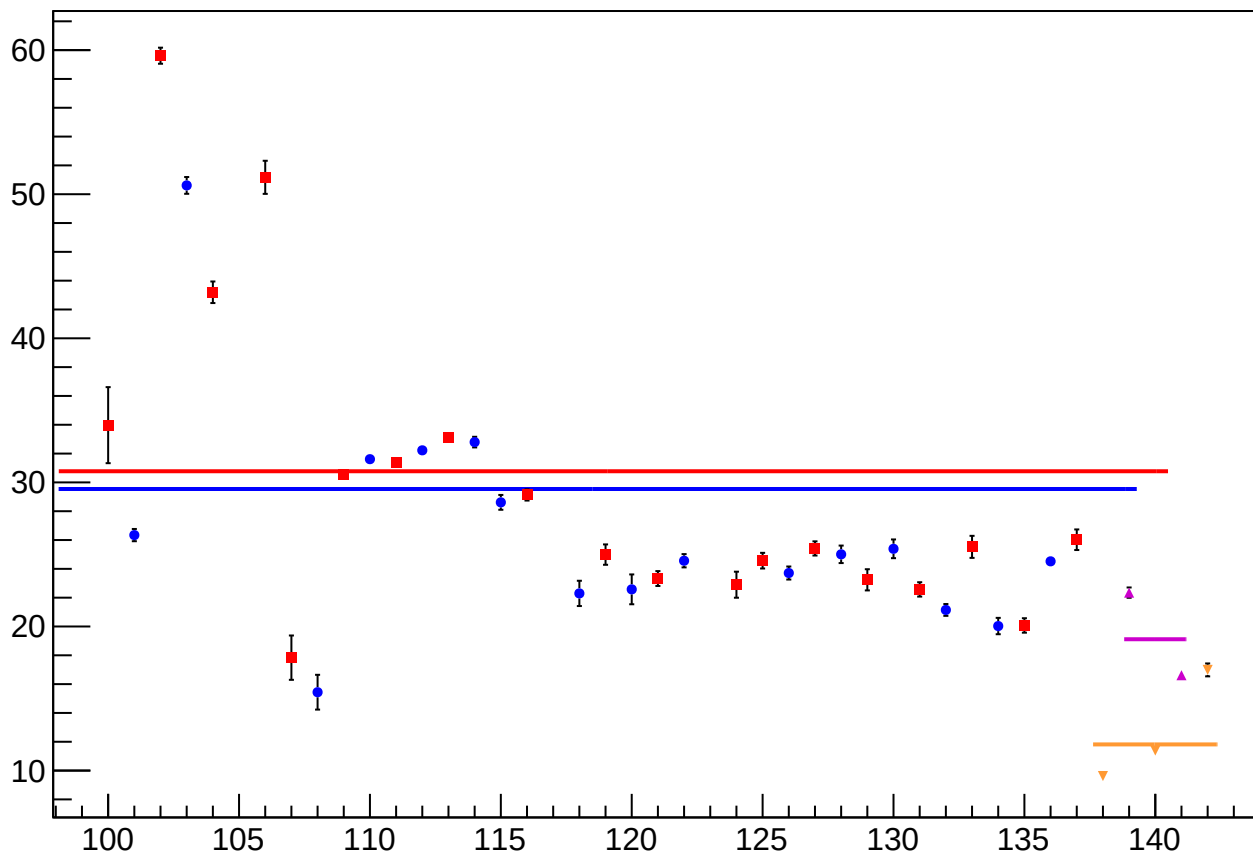
Left In: -0.233 ± 0.025 χ^2/NDF : 29.8/1

+ sign 0.041 ± 0.010 χ^2/NDF : 431.4/18

All: 0.037 ± 0.007 χ^2/NDF : 1003.6/39

- sign 0.033 ± 0.010 χ^2/NDF : 572.0/20

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542 $\pm$ 0.092 χ^2 /NDF: 3372.2/15

Left Out: 11.816 $\pm$ 0.192 χ^2 /NDF: 179.8/2

Right Out: 30.774 $\pm$ 0.080 χ^2 /NDF: 5079.2/18

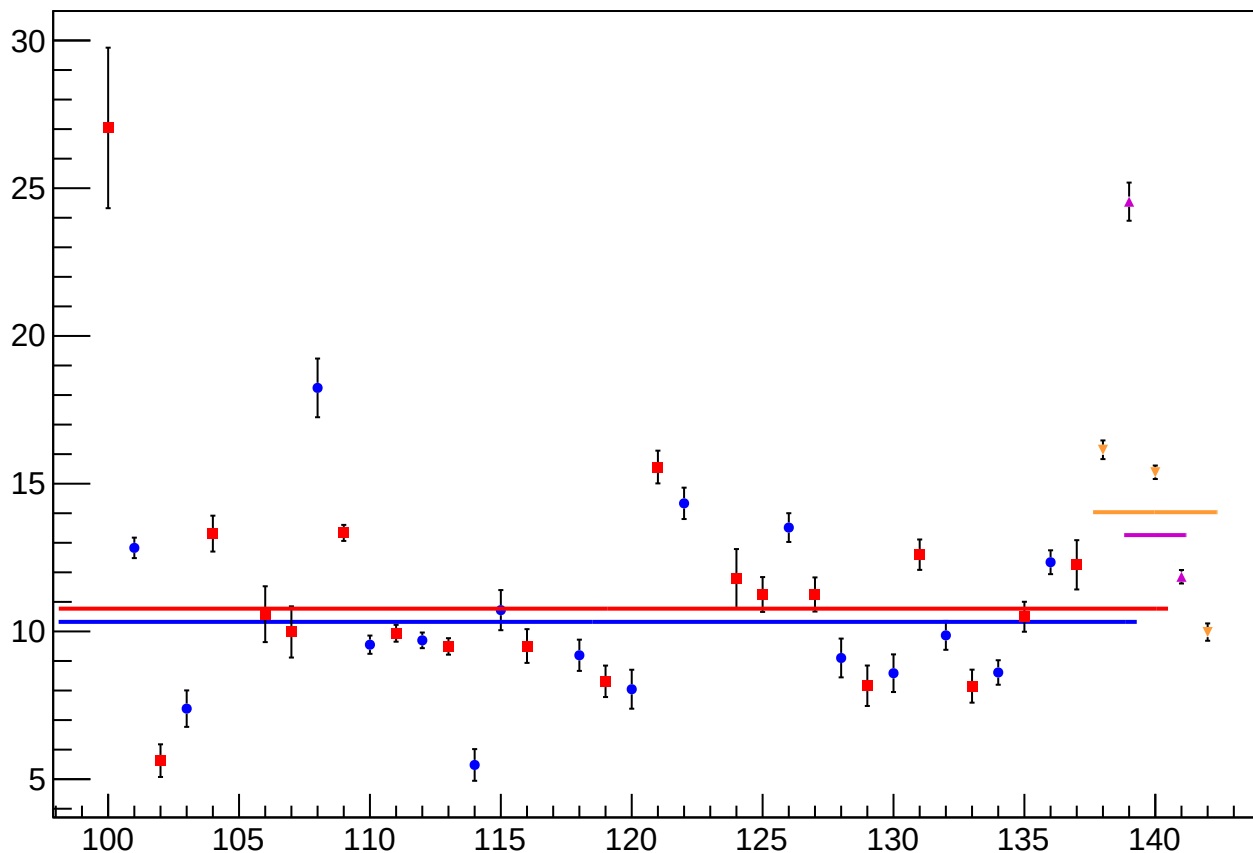
Left In: 19.115 $\pm$ 0.236 χ^2 /NDF: 145.3/1

+ sign 26.224 $\pm$ 0.083 χ^2 /NDF: 10506.9/18

All: 28.042 $\pm$ 0.056 χ^2 /NDF: 18807.5/39

- sign 29.566 $\pm$ 0.076 χ^2 /NDF: 7416.6/20

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF : 402.6/15

Left Out: 14.036+/-0.157 χ^2/NDF : 270.8/2

Right Out: 10.771+/-0.113 χ^2/NDF : 415.8/18

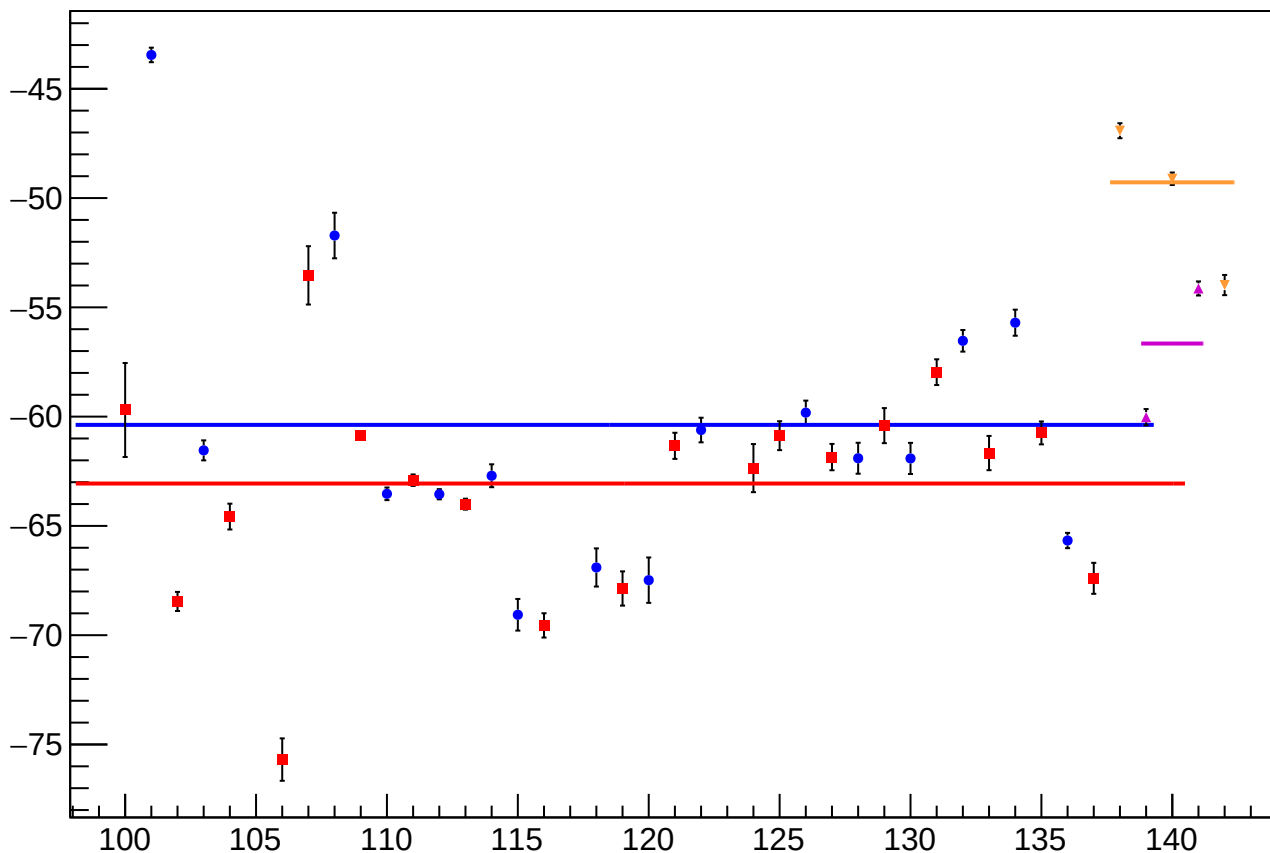
Left In: 13.260+/-0.215 χ^2/NDF : 343.7/1

+ sign 11.610+/-0.092 χ^2/NDF : 1041.1/18

All: 11.472+/-0.068 χ^2/NDF : 1910.5/39

- sign 11.308+/-0.100 χ^2/NDF : 864.5/20

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377 ± 0.113 χ^2/NDF : 3597.6/15

Left Out: -49.281 ± 0.198 χ^2/NDF : 151.0/2

Right Out: -63.061 ± 0.107 χ^2/NDF : 844.1/18

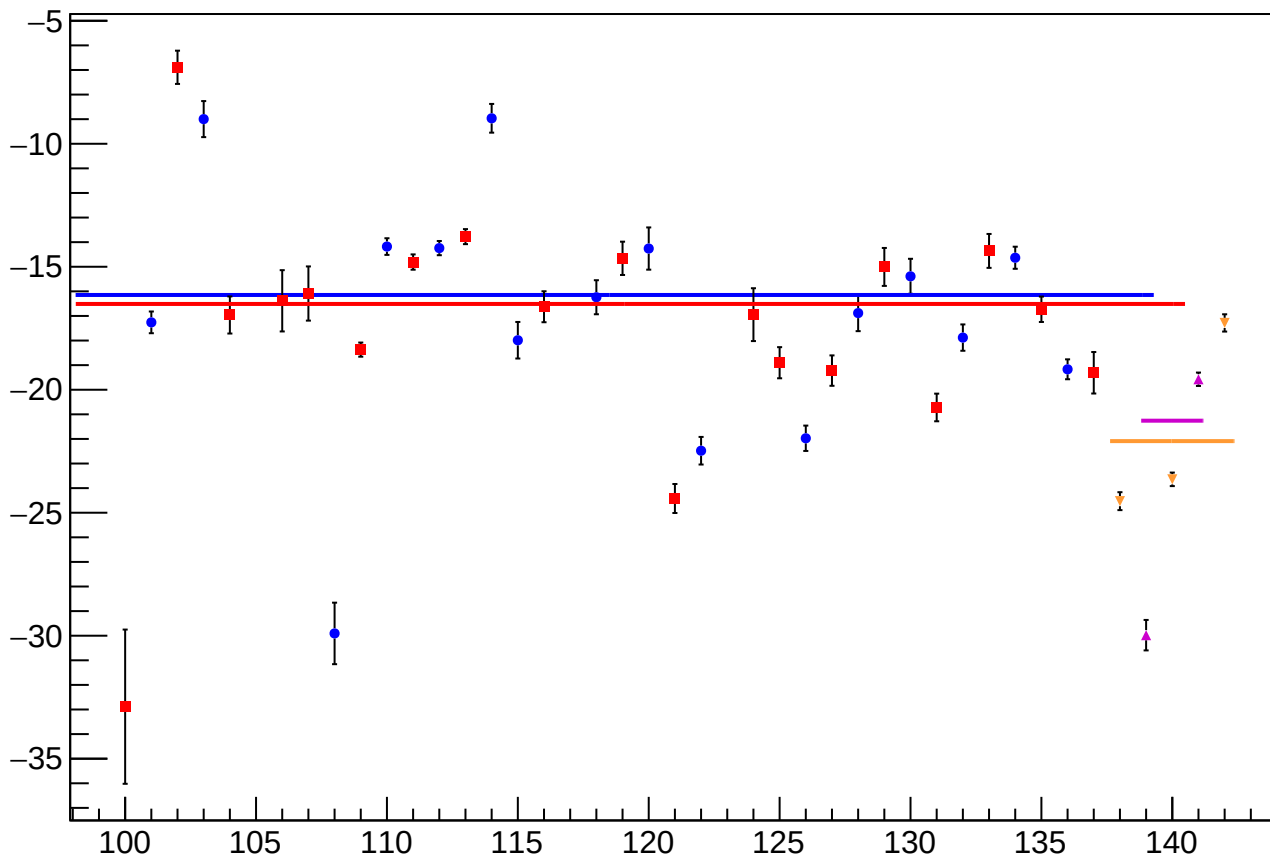
Left In: -56.656 ± 0.244 χ^2/NDF : 143.2/1

+ sign -57.653 ± 0.098 χ^2/NDF : 6116.0/18

All: -59.837 ± 0.069 χ^2/NDF : 8672.8/39

- sign -62.021 ± 0.098 χ^2/NDF : 1566.8/20

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147 ± 0.127 $\chi^2/\text{NDF}: 797.1/15$

Left Out: -22.089 ± 0.186 $\chi^2/\text{NDF}: 263.9/2$

Right Out: -16.512 ± 0.125 $\chi^2/\text{NDF}: 684.7/18$

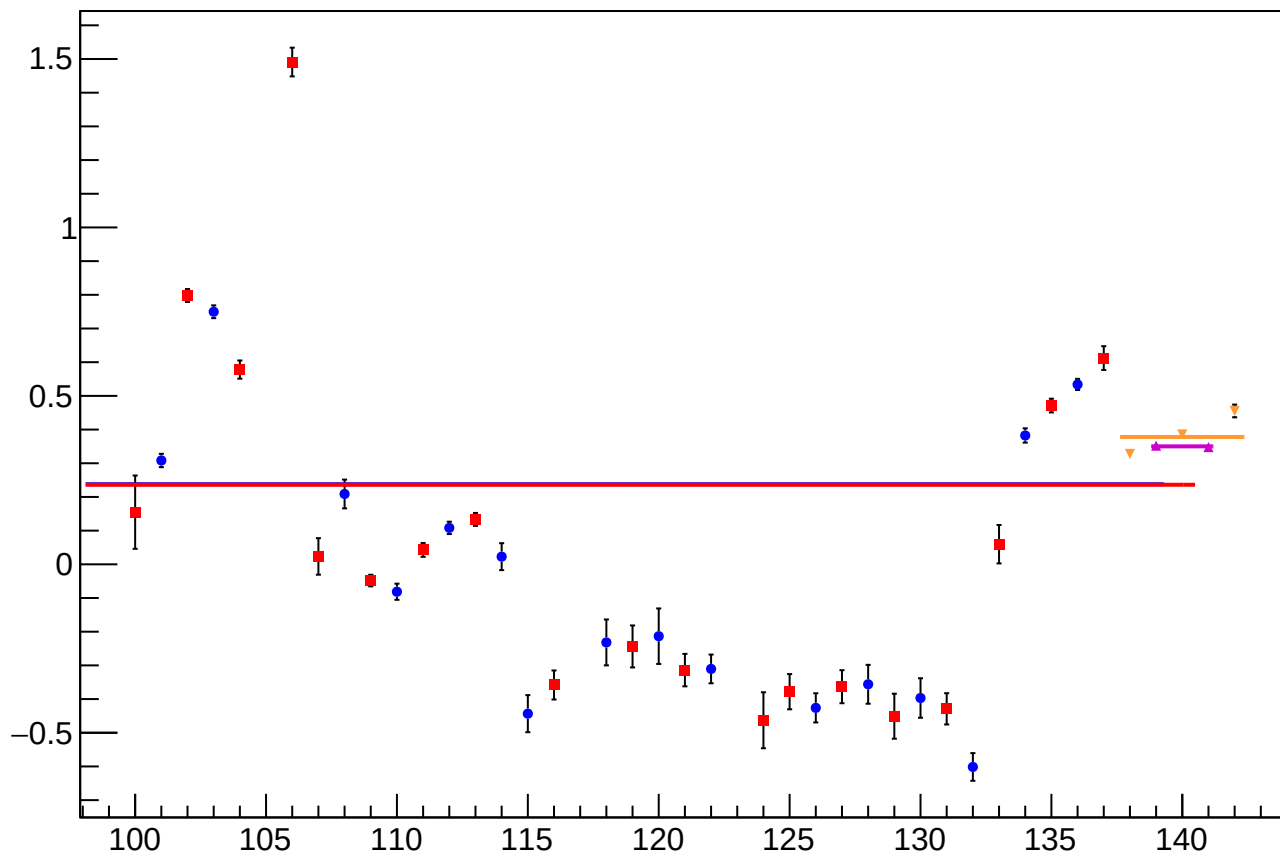
Left In: -21.258 ± 0.249 $\chi^2/\text{NDF}: 236.6/1$

+ sign -18.038 ± 0.105 $\chi^2/\text{NDF}: 1755.8/18$

All: -17.767 ± 0.076 $\chi^2/\text{NDF}: 2981.6/39$

- sign -17.462 ± 0.111 $\chi^2/\text{NDF}: 1211.6/20$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238 $\pm$ 0.007 χ^2 /NDF: 2632.9/15

Left Out: 0.378 $\pm$ 0.008 χ^2 /NDF:30.1/2

Right Out: 0.236 $\pm$ 0.007 χ^2 /NDF: 3595.0/18

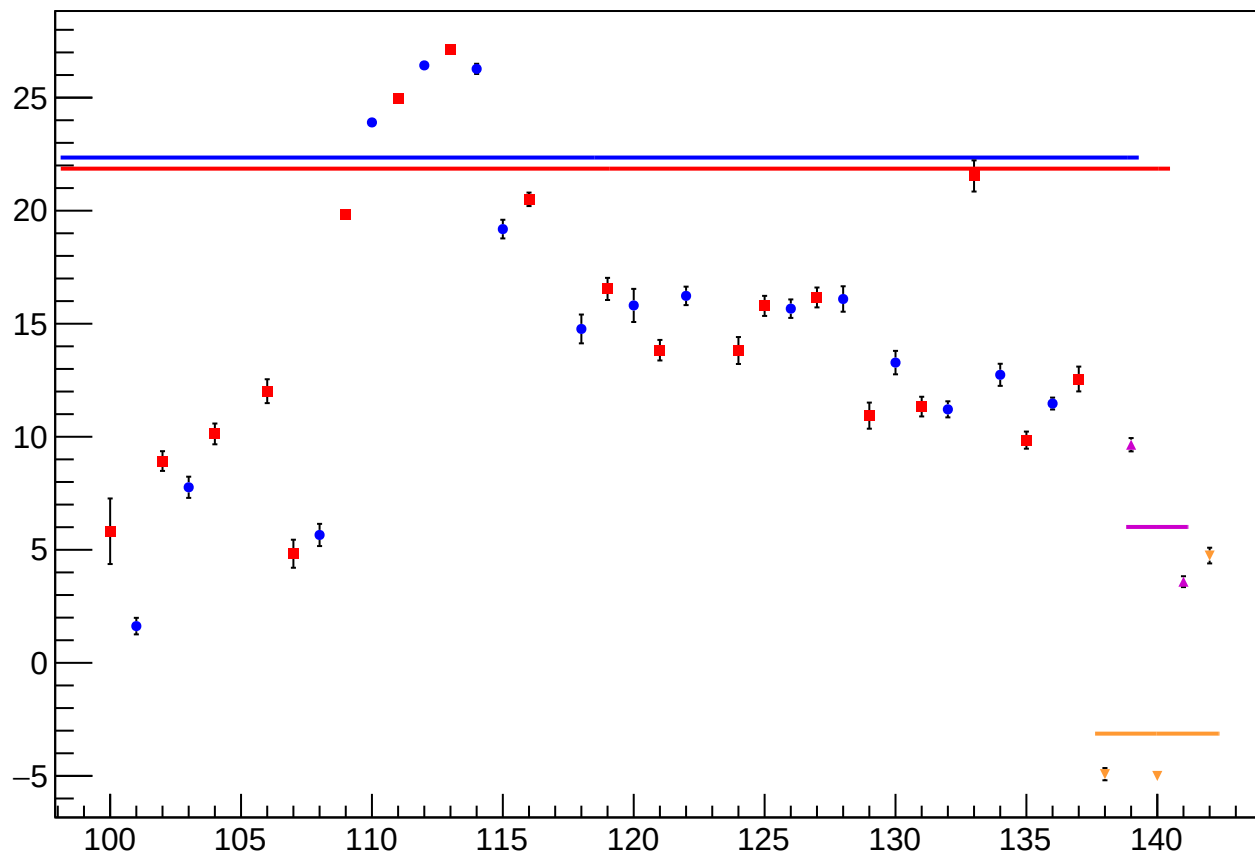
Left In: 0.350 $\pm$ 0.009 χ^2 /NDF:0.0/1

+ sign 0.296 $\pm$ 0.005 χ^2 /NDF: 2826.6/18

All: 0.287 $\pm$ 0.004 χ^2 /NDF: 6521.4/39

- sign 0.278 $\pm$ 0.006 χ^2 /NDF: 3689.3/20

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350 $\pm$ 0.057 χ^2 /NDF: 12336.9/15

Left Out: -3.131 $\pm$ 0.151 χ^2 /NDF:634.5/2

Right Out: 21.859 $\pm$ 0.046 χ^2 /NDF: 10692.4/18

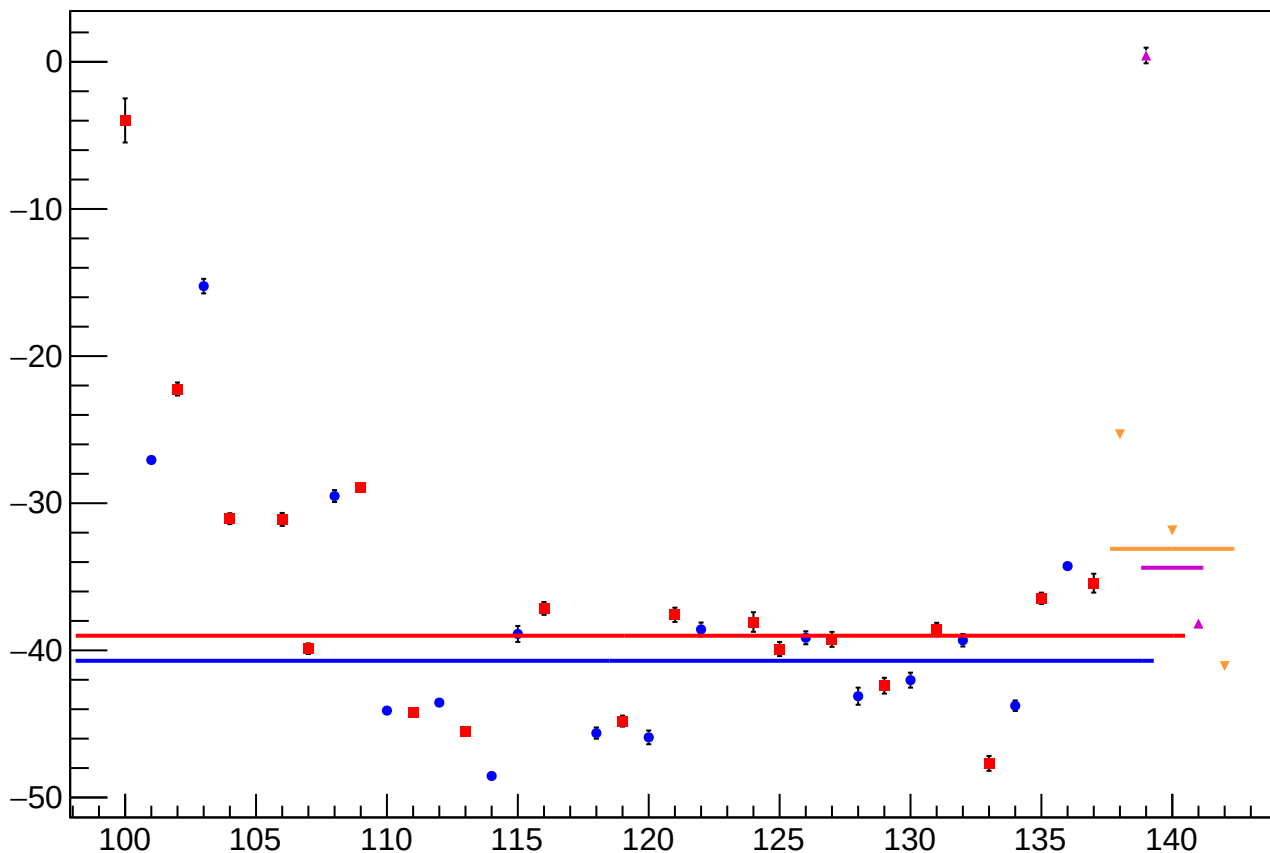
Left In: 6.011 $\pm$ 0.186 χ^2 /NDF:253.4/1

+ sign 19.222 $\pm$ 0.053 χ^2 /NDF: 37888.5/18

All: 20.221 $\pm$ 0.034 χ^2 /NDF: 56252.8/39

- sign 20.939 $\pm$ 0.045 χ^2 /NDF: 17753.5/20

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709 ± 0.076 $\chi^2/\text{NDF}: 7780.4/15$

Left Out: -33.100 ± 0.123 $\chi^2/\text{NDF}: 2156.3/2$

Right Out: -39.005 ± 0.071 $\chi^2/\text{NDF}: 10101.3/18$

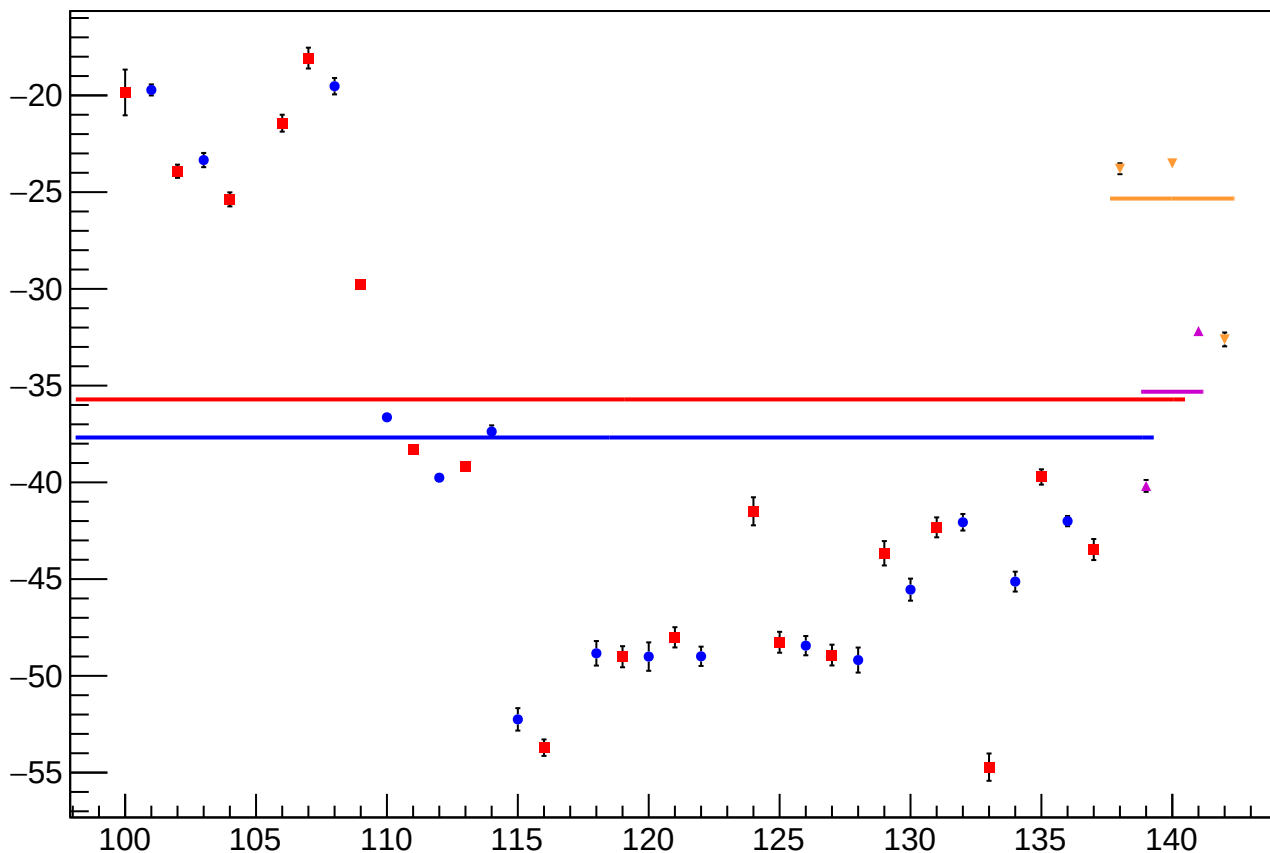
Left In: -34.384 ± 0.166 $\chi^2/\text{NDF}: 4769.3/1$

+ sign -38.593 ± 0.065 $\chi^2/\text{NDF}: 12688.8/18$

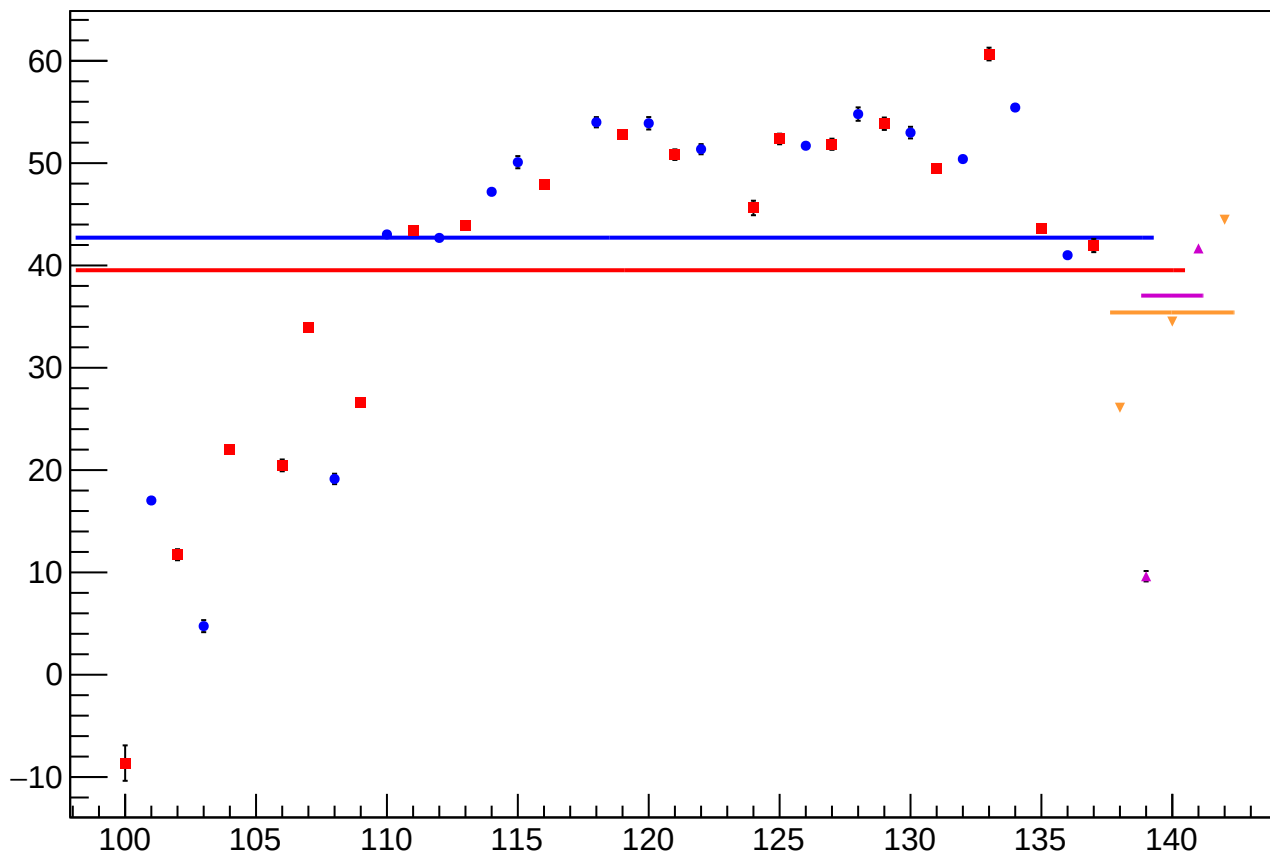
All: -38.444 ± 0.046 $\chi^2/\text{NDF}: 28222.2/39$

- sign -38.293 ± 0.065 $\chi^2/\text{NDF}: 15522.8/20$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718 $\pm$ 0.085 χ^2 /NDF: 14765.0/15

Left Out: 35.406 $\pm$ 0.146 χ^2 /NDF: 2079.5/2

Right Out: 39.533 $\pm$ 0.078 χ^2 /NDF: 17978.2/18

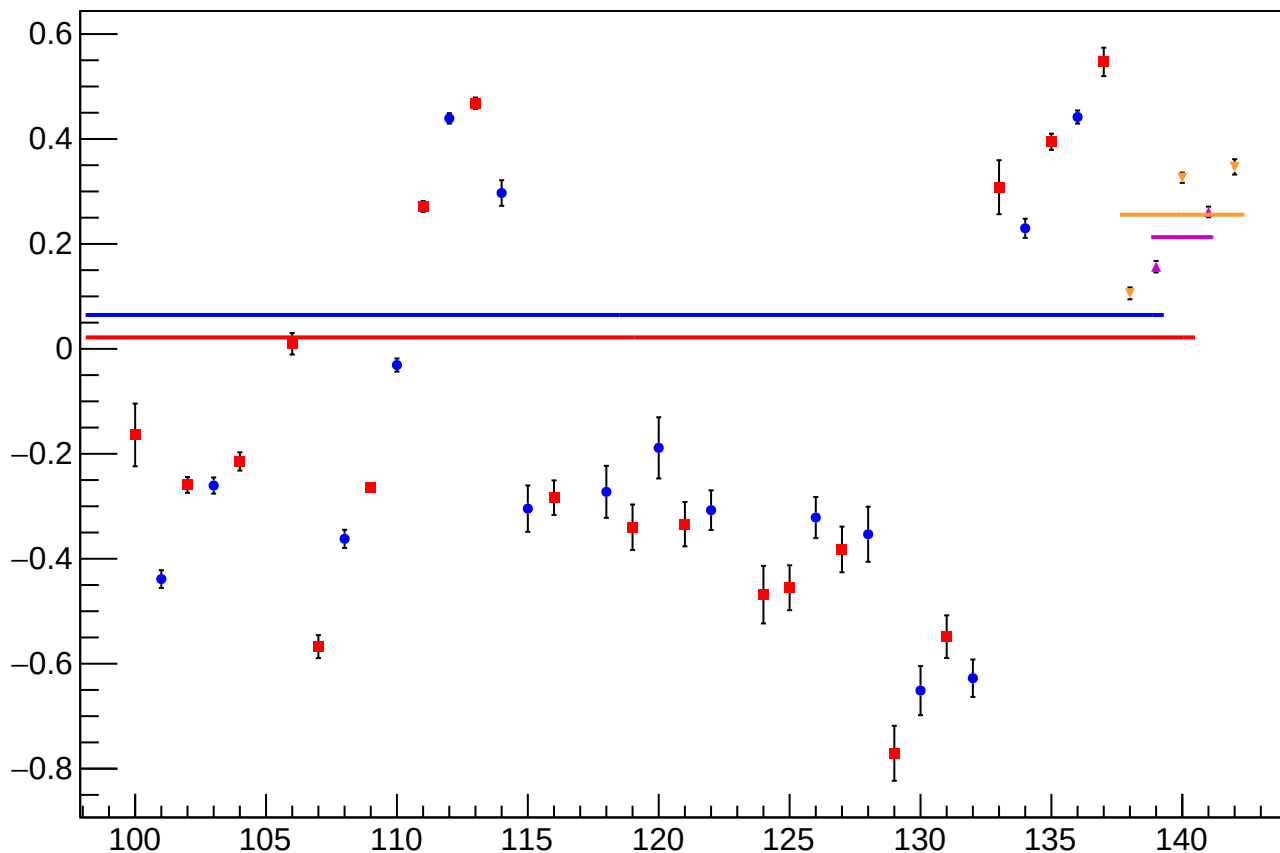
Left In: 37.054 $\pm$ 0.193 χ^2 /NDF: 3391.7/1

+ sign 40.874 $\pm$ 0.074 χ^2 /NDF: 18708.8/18

All: 40.016 $\pm$ 0.052 χ^2 /NDF: 40488.0/39

- sign 39.184 $\pm$ 0.072 χ^2 /NDF: 21511.5/20

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065 $\pm$ 0.005 $\chi^2/\text{NDF}: 5497.5/15$

Left Out: 0.256 $\pm$ 0.007 $\chi^2/\text{NDF}: 264.3/2$

Right Out: 0.022 $\pm$ 0.004 $\chi^2/\text{NDF}: 6405.3/18$

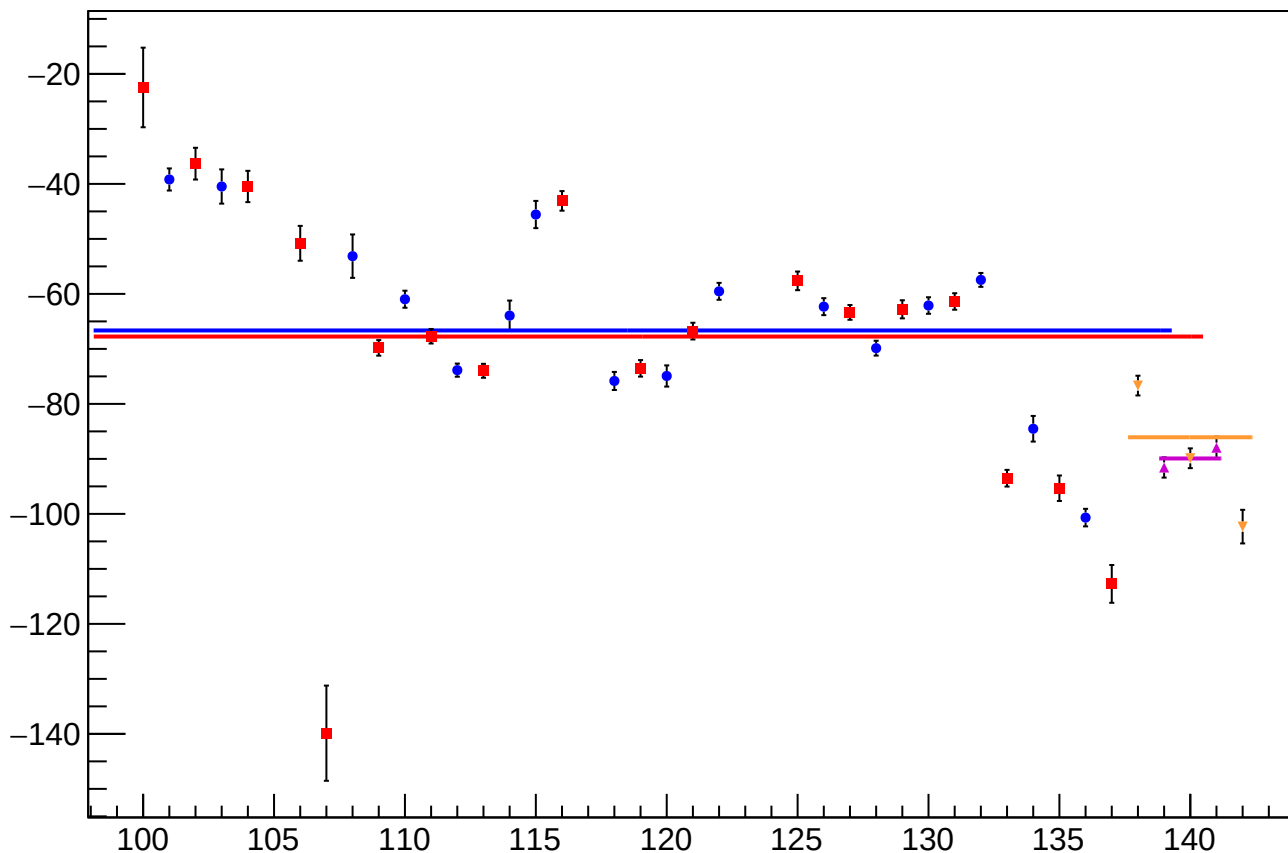
Left In: 0.213 $\pm$ 0.007 $\chi^2/\text{NDF}: 49.3/1$

+ sign 0.131 $\pm$ 0.004 $\chi^2/\text{NDF}: 6305.0/18$

All: 0.100 $\pm$ 0.003 $\chi^2/\text{NDF}: 13372.7/39$

- sign 0.071 $\pm$ 0.004 $\chi^2/\text{NDF}: 6946.5/20$

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648 ± 0.426 $\chi^2/\text{NDF}: 1052.4/15$

Left Out: -86.068 ± 1.173 $\chi^2/\text{NDF}: 60.2/2$

Right Out: -67.755 ± 0.419 $\chi^2/\text{NDF}: 1255.4/17$

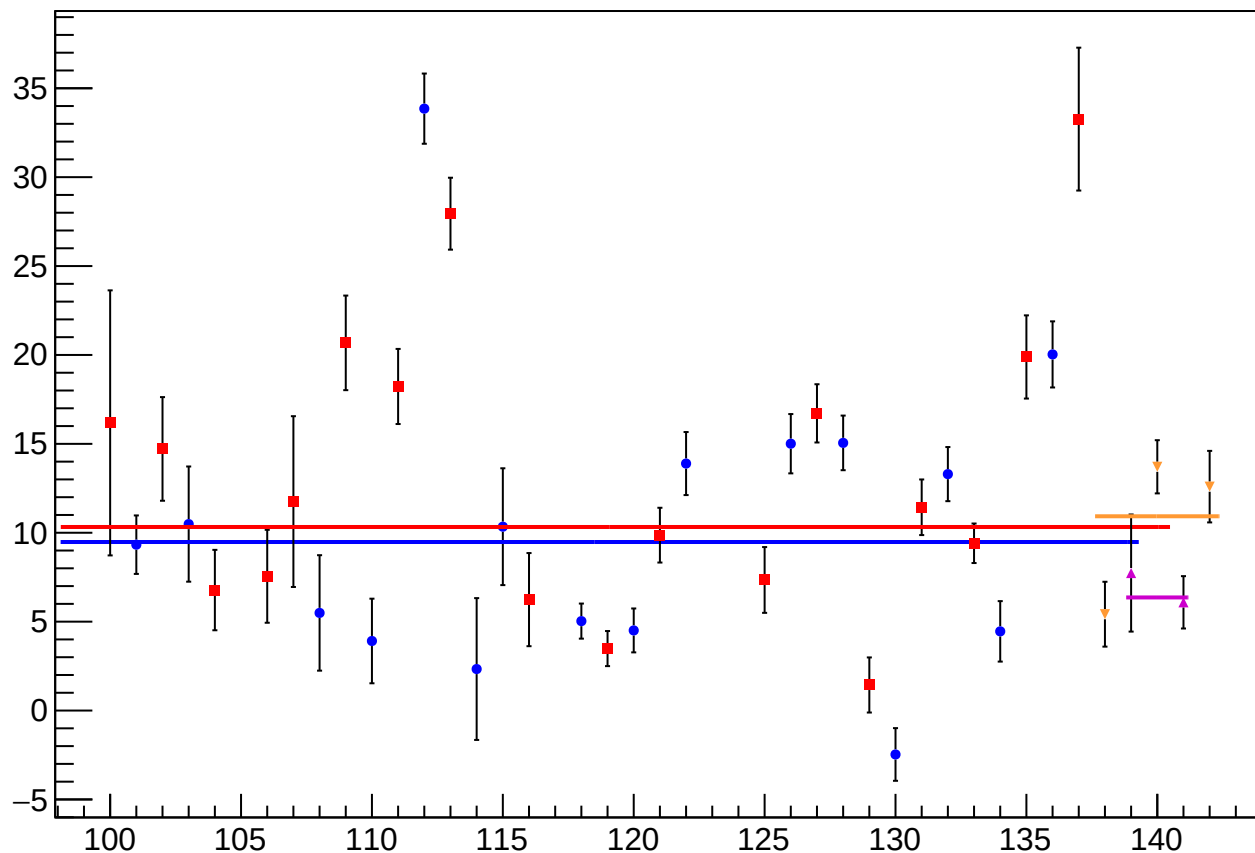
Left In: -89.924 ± 1.358 $\chi^2/\text{NDF}: 1.7/1$

+ sign -68.913 ± 0.400 $\chi^2/\text{NDF}: 1354.9/18$

All: -69.299 ± 0.283 $\chi^2/\text{NDF}: 2857.3/38$

- sign -69.686 ± 0.401 $\chi^2/\text{NDF}: 1500.5/19$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480 ± 0.428 χ^2/NDF : 341.9/15

Left Out: 10.927 ± 1.003 χ^2/NDF : 13.3/2

Right Out: 10.324 ± 0.436 χ^2/NDF : 263.4/17

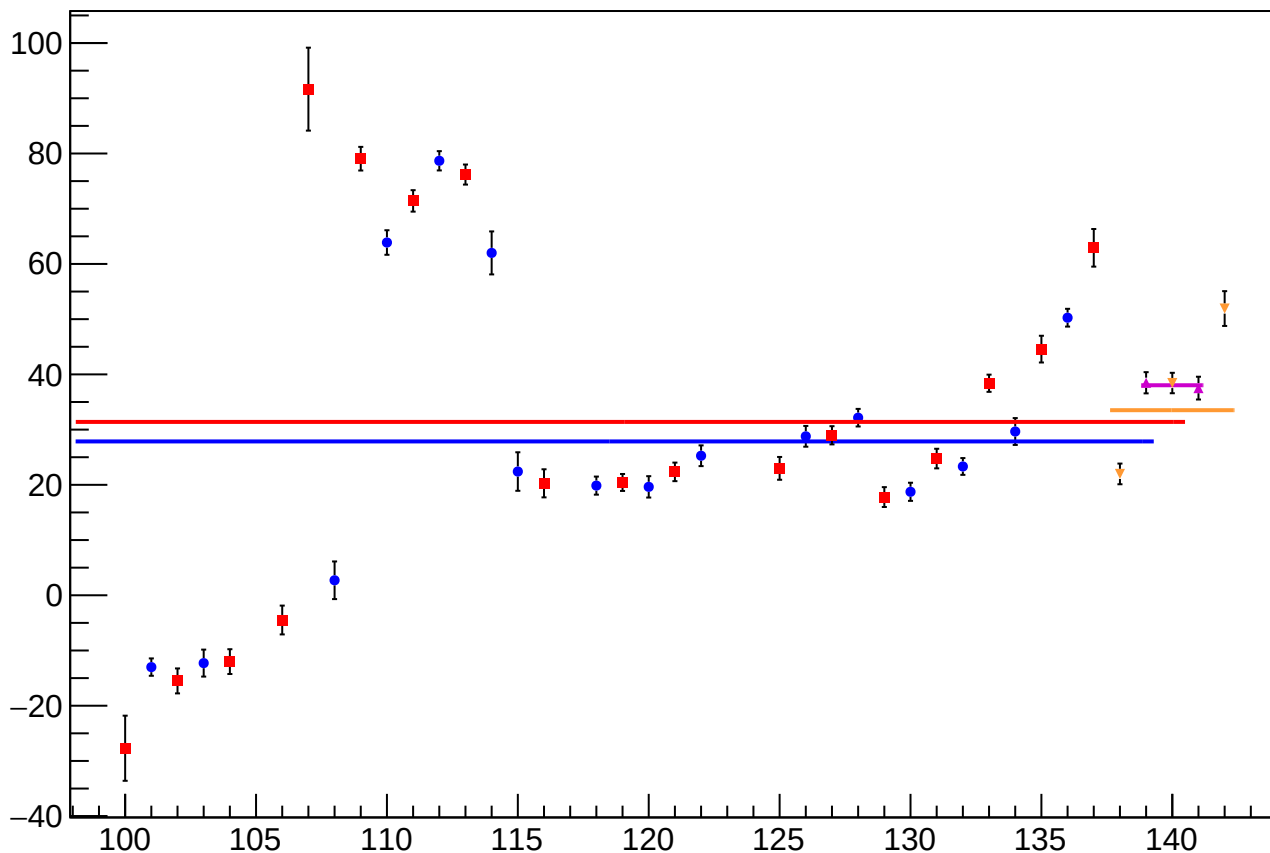
Left In: 6.361 ± 1.344 χ^2/NDF : 0.2/1

+ sign 9.703 ± 0.394 χ^2/NDF : 357.0/18

All: 9.819 ± 0.285 χ^2/NDF : 628.6/38

- sign 9.948 ± 0.414 χ^2/NDF : 271.5/19

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860 $\pm$ 0.482 χ^2 /NDF: 2474.0/15

Left Out: 33.516 $\pm$ 1.214 χ^2 /NDF: 79.2/2

Right Out: 31.394 $\pm$ 0.488 χ^2 /NDF: 3011.4/17

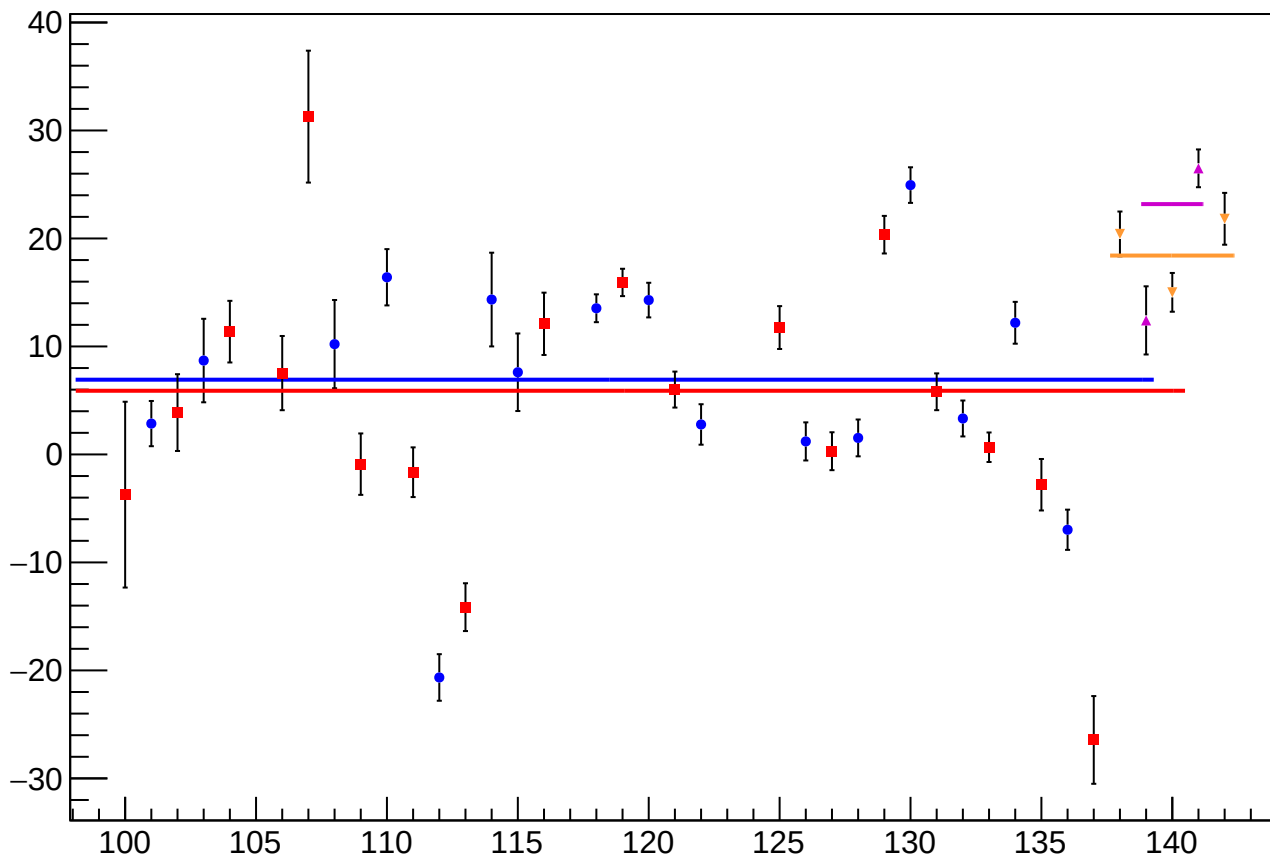
Left In: 38.033 $\pm$ 1.406 χ^2 /NDF: 0.1/1

+ sign 28.631 $\pm$ 0.448 χ^2 /NDF: 2571.9/18

All: 30.322 $\pm$ 0.321 χ^2 /NDF: 5632.6/38

- sign 32.107 $\pm$ 0.461 χ^2 /NDF: 3031.5/19

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922 ± 0.496 χ^2/NDF : 444.3/15

Left Out: 18.417 ± 1.182 χ^2/NDF : 6.5/2

Right Out: 5.896 ± 0.502 χ^2/NDF : 367.7/17

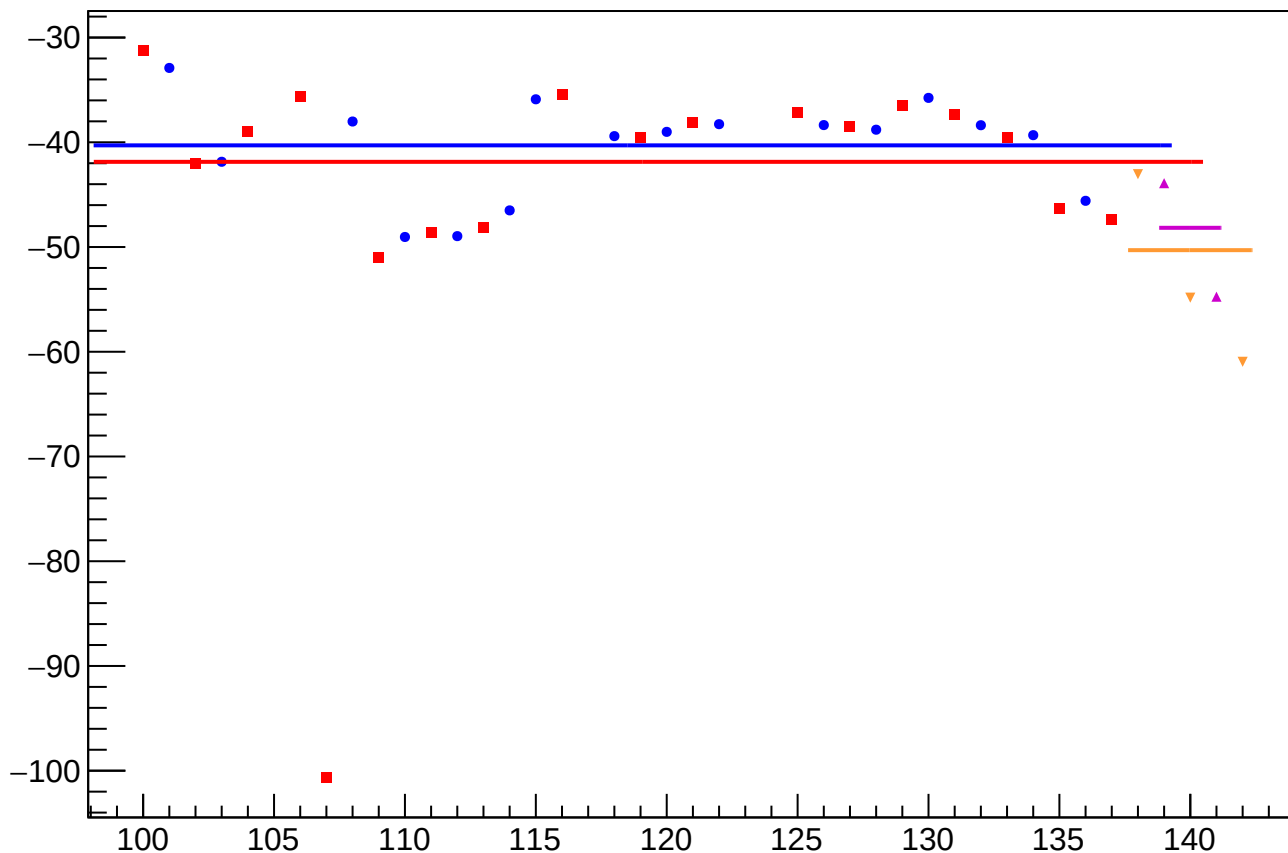
Left In: 23.182 ± 1.531 χ^2/NDF : 15.2/1

+ sign 8.641 ± 0.457 χ^2/NDF : 531.3/18

All: 8.130 ± 0.330 χ^2/NDF : 1032.0/38

- sign 7.573 ± 0.477 χ^2/NDF : 498.0/19

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293 ± 0.031 χ^2/NDF : 20663.5/15

Left Out: -50.300 ± 0.051 χ^2/NDF : 19338.5/2

Right Out: -41.867 ± 0.032 χ^2/NDF : 58734.8/17

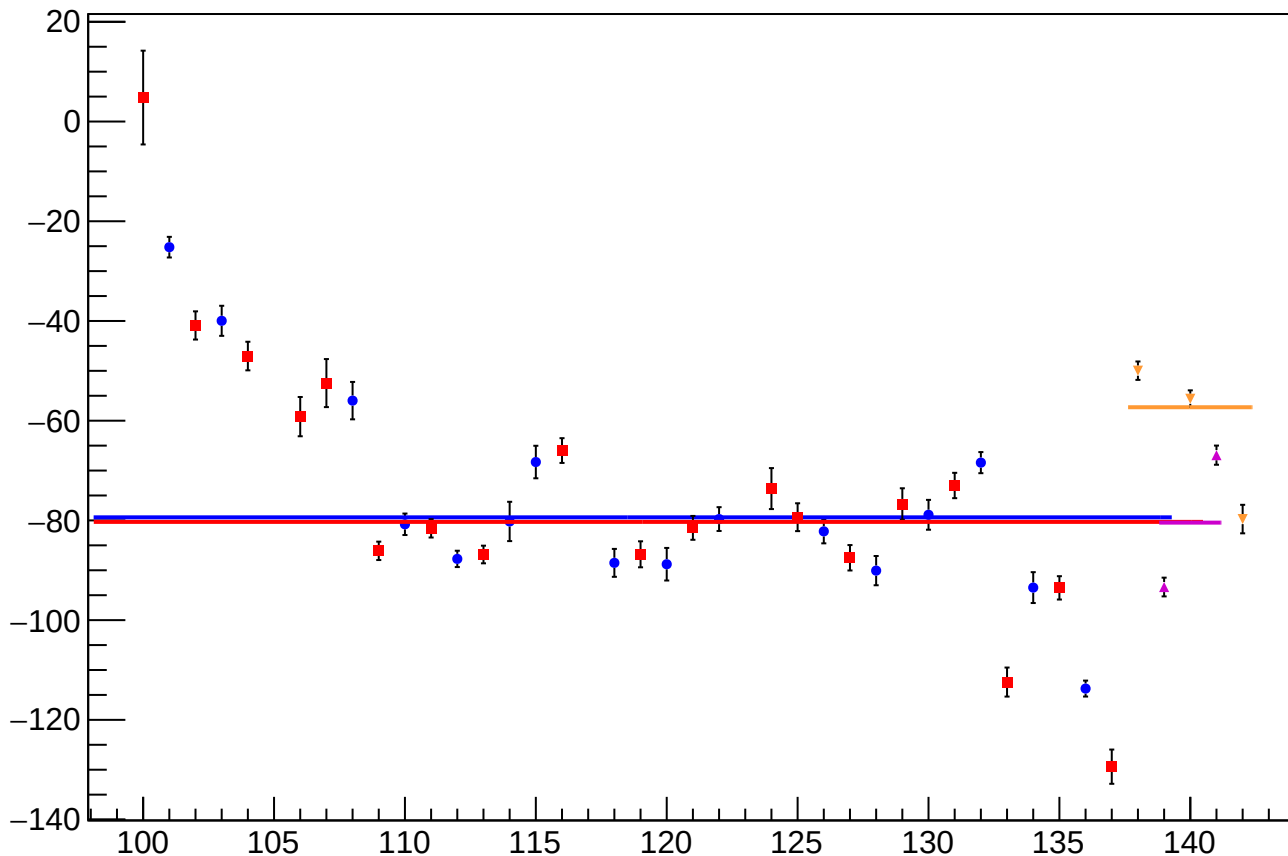
Left In: -48.166 ± 0.053 χ^2/NDF : 9975.9/1

+ sign -43.060 ± 0.027 χ^2/NDF : 68089.0/18

All: -43.302 ± 0.019 χ^2/NDF : 147301.3/38

- sign -43.558 ± 0.027 χ^2/NDF : 79043.4/19

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382 ± 0.611 χ^2/NDF : 1475.9/15

Left Out: -57.301 ± 1.144 χ^2/NDF : 78.3/2

Right Out: -80.294 ± 0.604 χ^2/NDF : 914.7/18

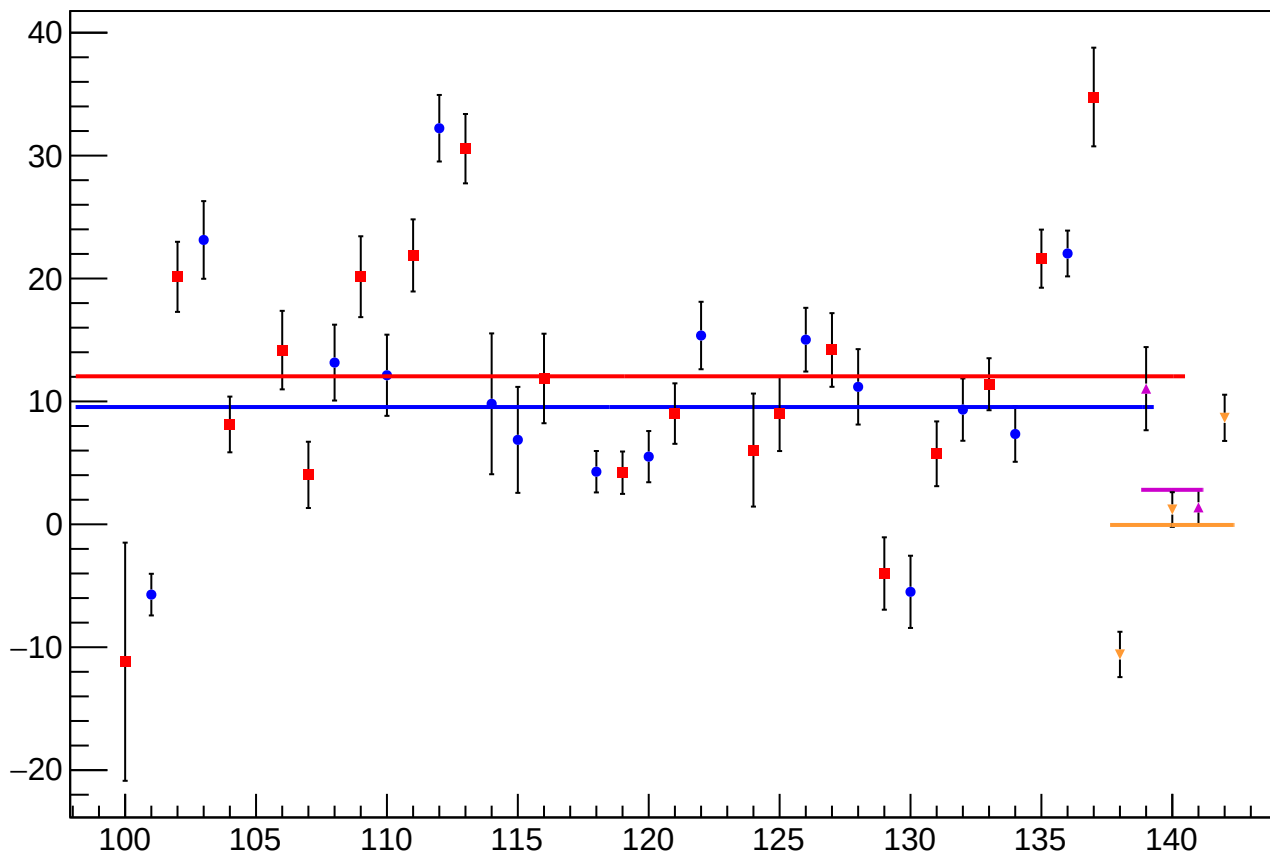
Left In: -80.442 ± 1.344 χ^2/NDF : 96.7/1

+ sign -74.477 ± 0.539 χ^2/NDF : 1844.2/18

All: -77.334 ± 0.385 χ^2/NDF : 2913.1/39

- sign -80.319 ± 0.551 χ^2/NDF : 1011.4/20

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543 ± 0.621 $\chi^2/\text{NDF}: 267.1/15$

Left Out: -0.052 ± 0.962 $\chi^2/\text{NDF}: 54.9/2$

Right Out: 12.044 ± 0.637 $\chi^2/\text{NDF}: 195.8/18$

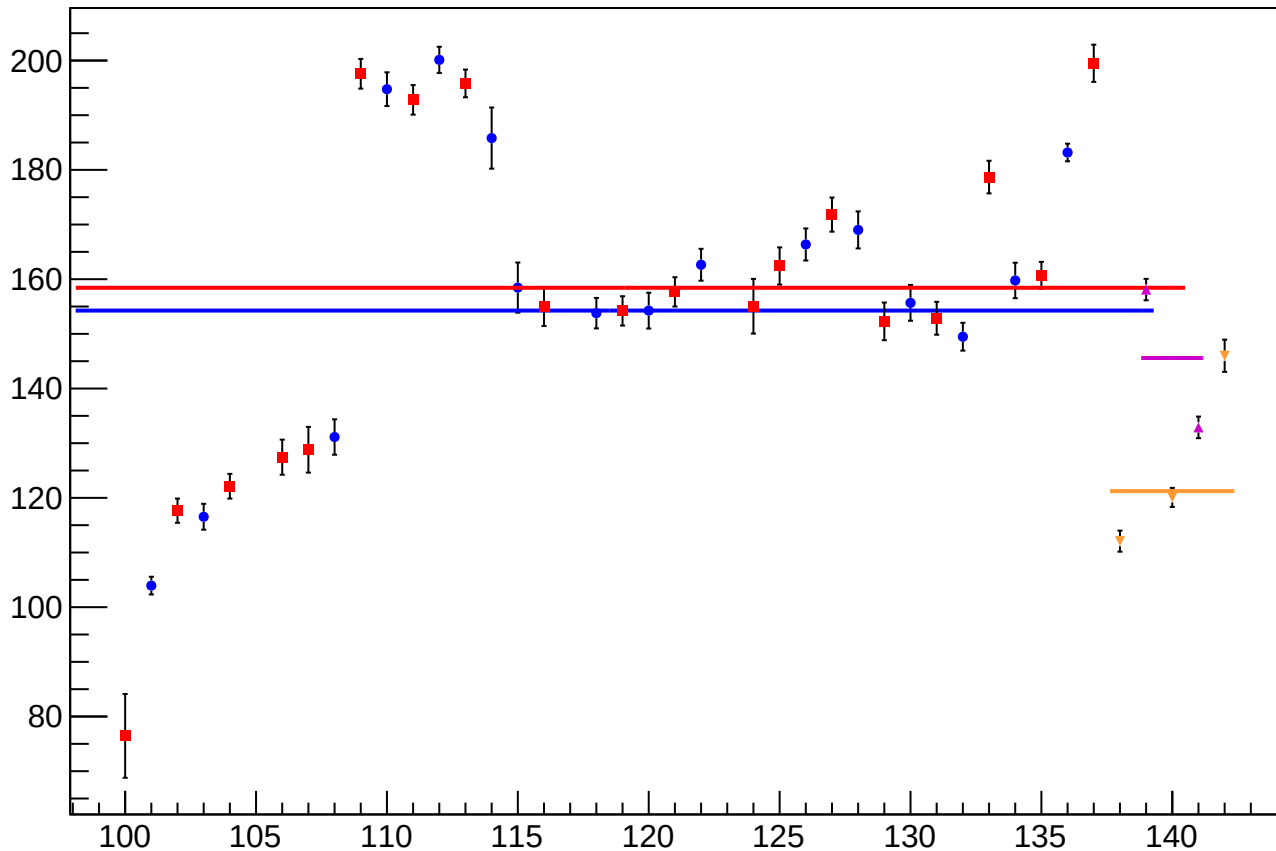
Left In: 2.807 ± 1.300 $\chi^2/\text{NDF}: 6.9/1$

+ sign 6.720 ± 0.522 $\chi^2/\text{NDF}: 392.1/18$

All: 8.327 ± 0.386 $\chi^2/\text{NDF}: 656.4/39$

- sign 10.256 ± 0.572 $\chi^2/\text{NDF}: 243.5/20$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260 ± 0.662 $\chi^2/\text{NDF}: 2213.7/15$

Left Out: 121.238 ± 1.183 $\chi^2/\text{NDF}: 93.5/2$

Right Out: 158.435 ± 0.683 $\chi^2/\text{NDF}: 1664.2/18$

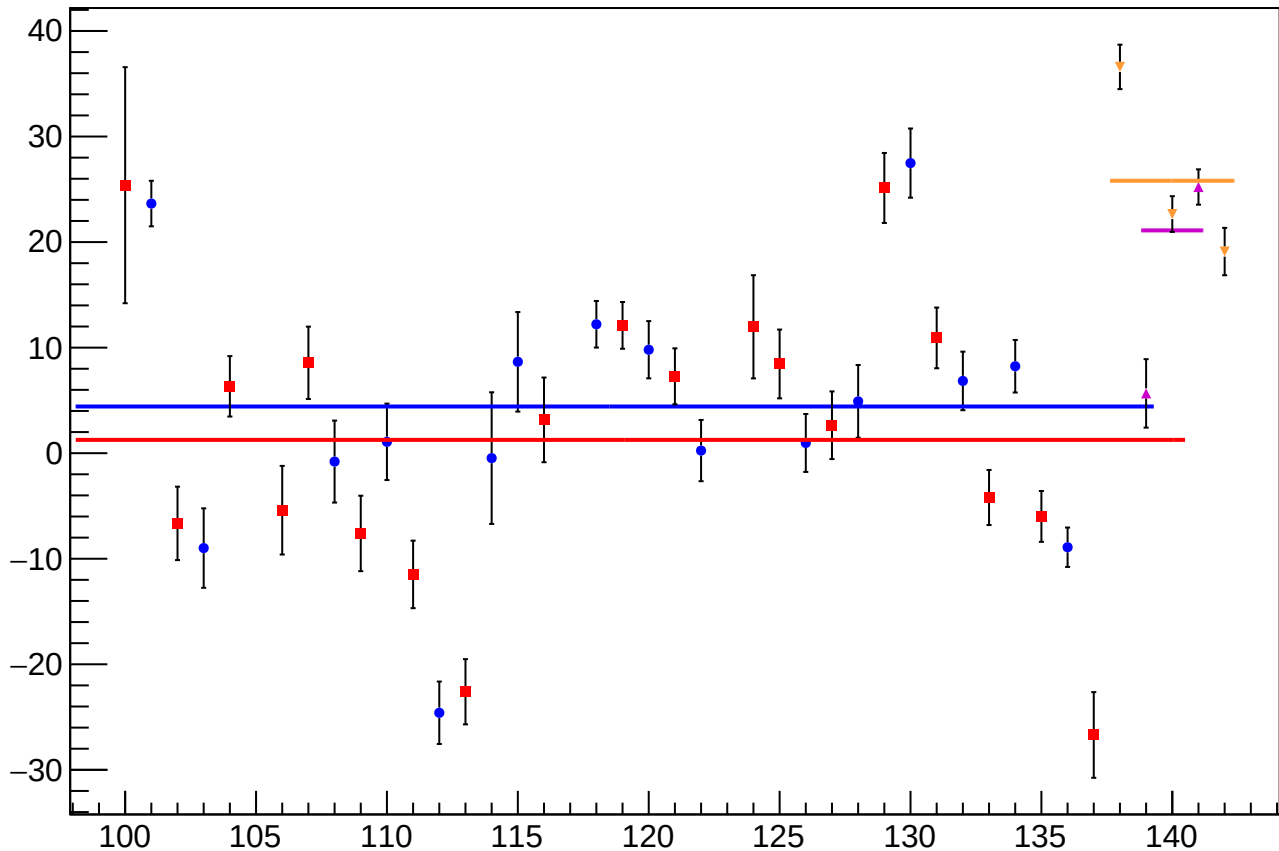
Left In: 145.588 ± 1.390 $\chi^2/\text{NDF}: 82.2/1$

+ sign 146.390 ± 0.578 $\chi^2/\text{NDF}: 2900.7/18$

All: 150.882 ± 0.420 $\chi^2/\text{NDF}: 4844.5/39$

- sign 155.939 ± 0.613 $\chi^2/\text{NDF}: 1815.2/20$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424 $\pm$ 0.714 χ^2 /NDF: 316.1/15

Left Out: 25.809 $\pm$ 1.137 χ^2 /NDF: 38.6/2

Right Out: 1.260 $\pm$ 0.732 χ^2 /NDF: 264.9/18

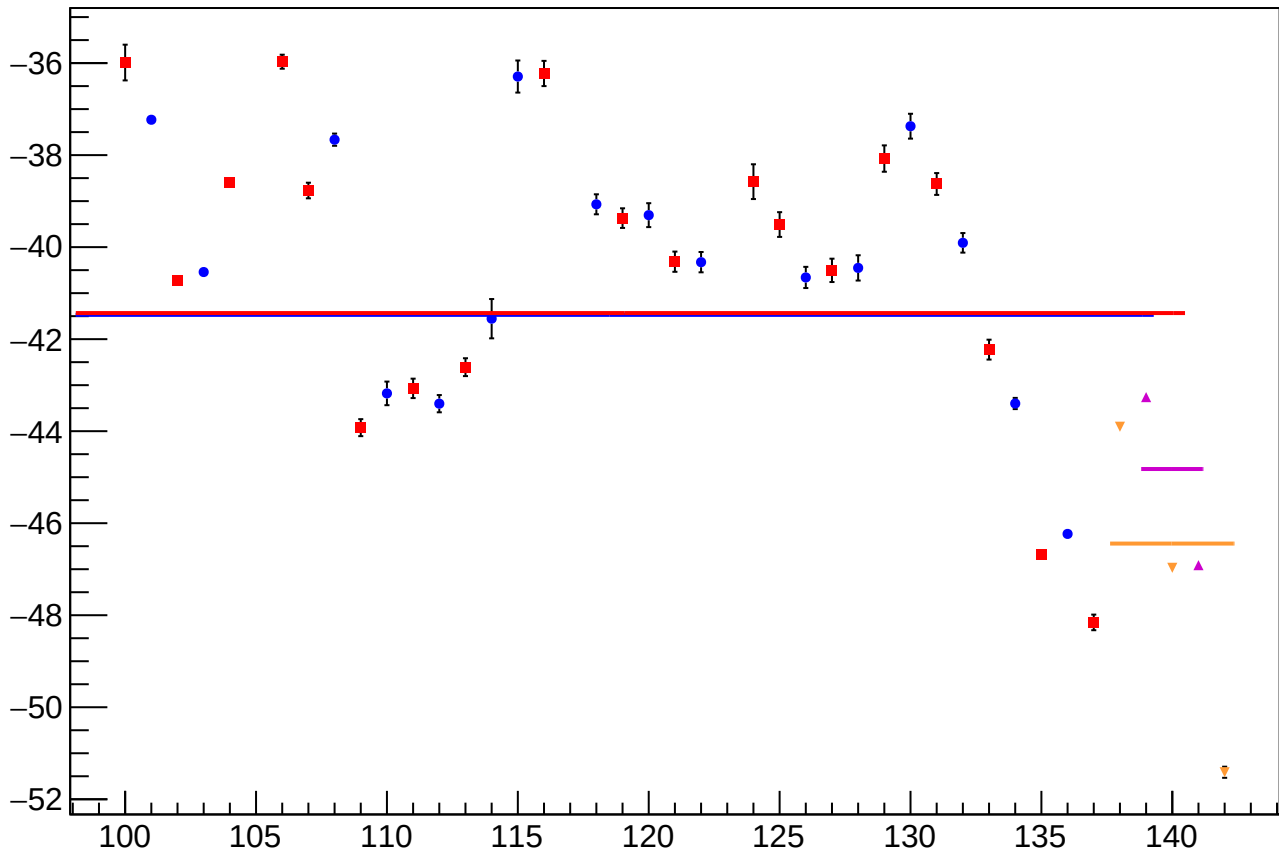
Left In: 21.107 $\pm$ 1.488 χ^2 /NDF: 28.7/1

+ sign 10.468 $\pm$ 0.605 χ^2 /NDF: 608.3/18

All: 8.016 $\pm$ 0.445 χ^2 /NDF: 1081.0/39

- sign 5.125 $\pm$ 0.657 χ^2 /NDF: 436.9/20

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472 ± 0.038 χ^2/NDF : 7912.0/15

Left Out: -46.443 ± 0.050 χ^2/NDF : 2826.9/2

Right Out: -41.433 ± 0.040 χ^2/NDF : 8225.4/18

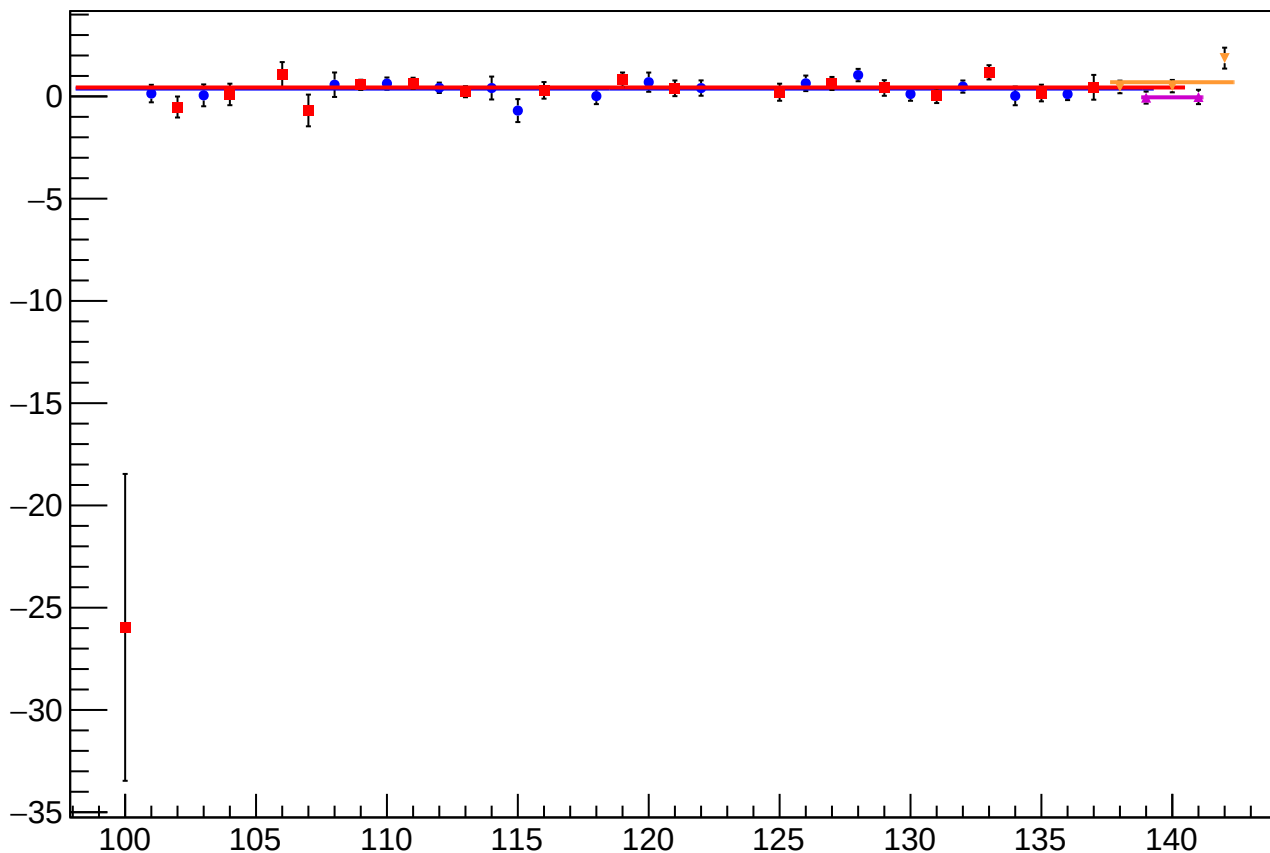
Left In: -44.822 ± 0.053 χ^2/NDF : 1169.2/1

+ sign -43.309 ± 0.030 χ^2/NDF : 17025.6/18

All: -42.993 ± 0.022 χ^2/NDF : 29286.1/39

- sign -42.648 ± 0.032 χ^2/NDF : 12033.0/20

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382 ± 0.092 $\chi^2/\text{NDF}: 14.0/15$

Left Out: 0.693 ± 0.199 $\chi^2/\text{NDF}: 6.3/2$

Right Out: 0.436 ± 0.090 $\chi^2/\text{NDF}: 29.0/17$

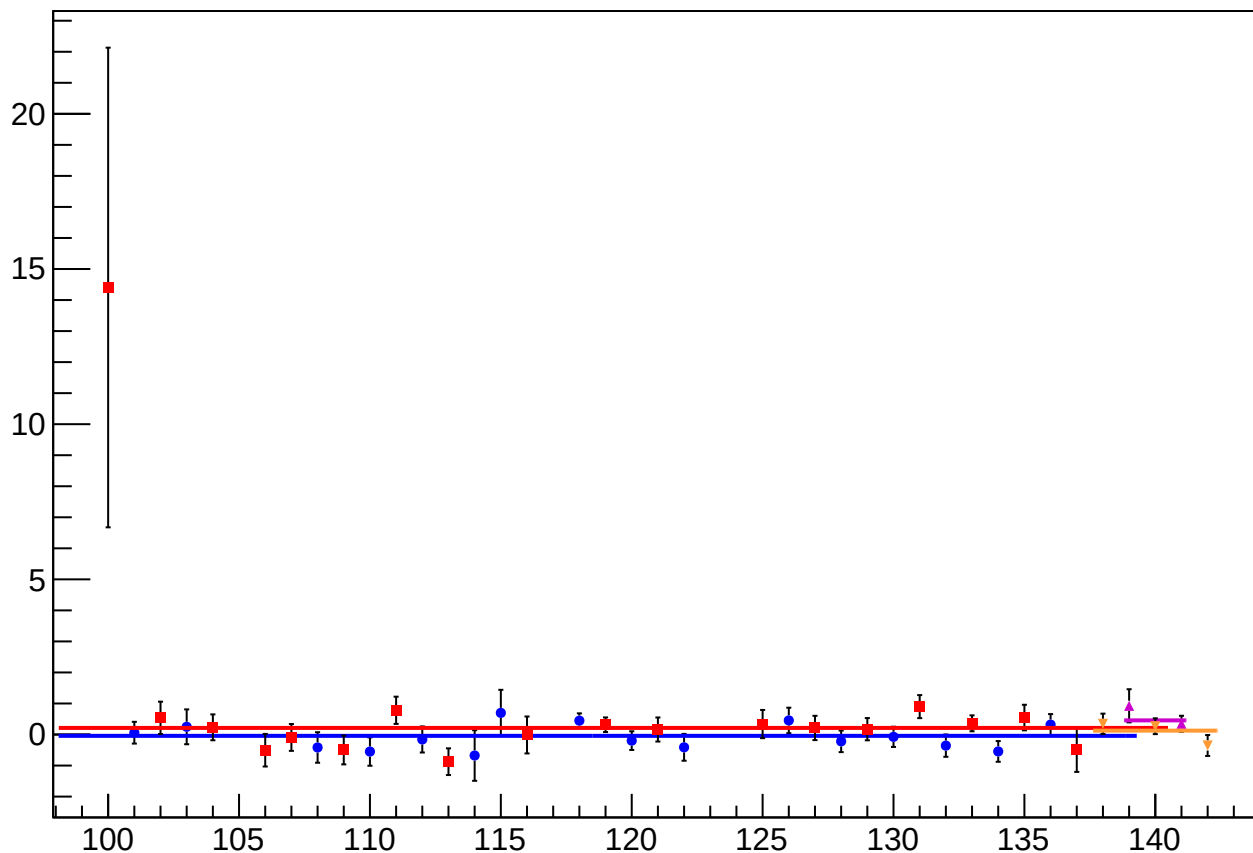
Left In: -0.045 ± 0.226 $\chi^2/\text{NDF}: 0.0/1$

+ sign 0.437 ± 0.084 $\chi^2/\text{NDF}: 22.3/18$

All: 0.404 ± 0.059 $\chi^2/\text{NDF}: 55.5/38$

- sign 0.370 ± 0.084 $\chi^2/\text{NDF}: 32.9/19$

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043 ± 0.094 $\chi^2/\text{NDF}: 15.0/15$

Left Out: 0.125 ± 0.173 $\chi^2/\text{NDF}: 2.8/2$

Right Out: 0.213 ± 0.095 $\chi^2/\text{NDF}: 22.4/17$

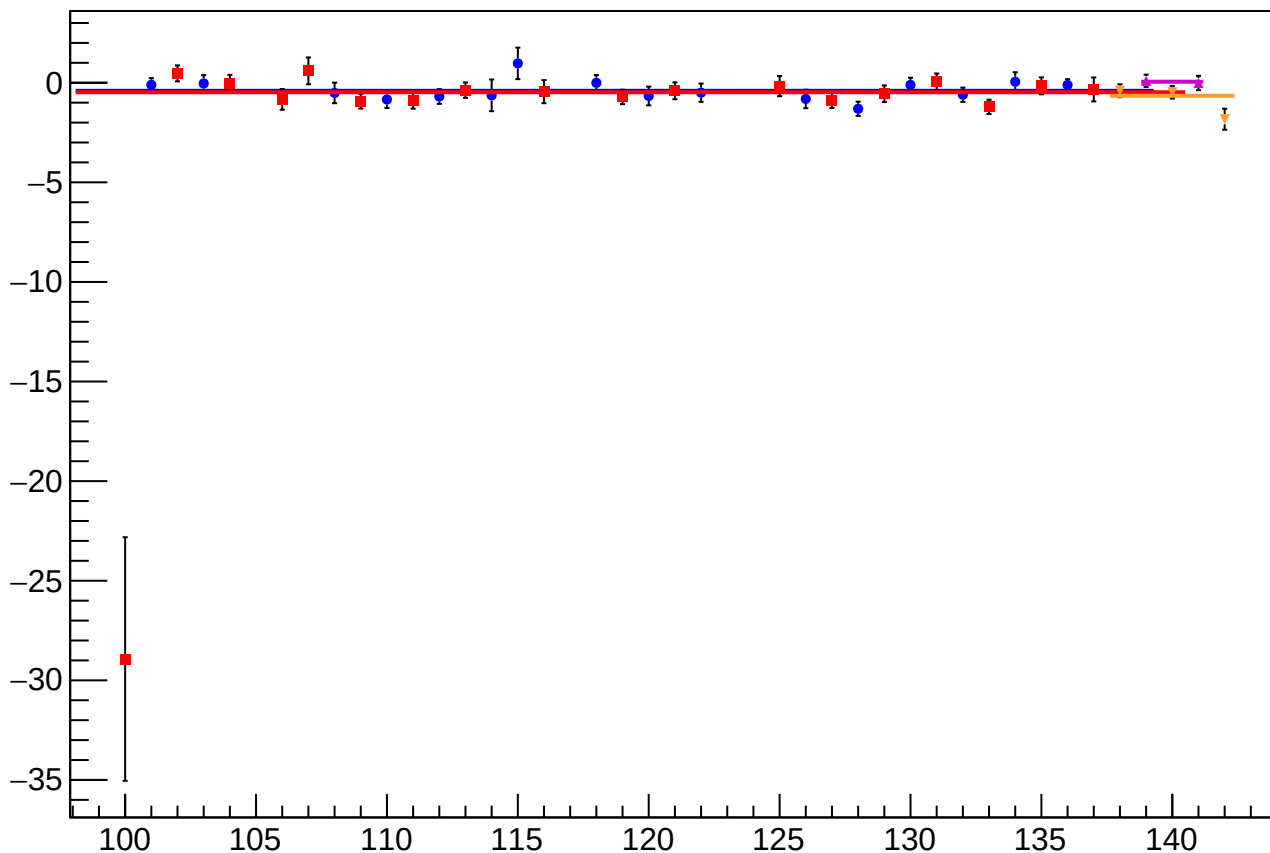
Left In: 0.456 ± 0.233 $\chi^2/\text{NDF}: 1.0/1$

+ sign -0.004 ± 0.083 $\chi^2/\text{NDF}: 18.5/18$

All: 0.114 ± 0.060 $\chi^2/\text{NDF}: 47.2/38$

- sign 0.248 ± 0.088 $\chi^2/\text{NDF}: 24.3/19$

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406 ± 0.103 χ^2/NDF : 17.8/15

Left Out: -0.655 ± 0.206 χ^2/NDF : 5.9/2

Right Out: -0.478 ± 0.104 χ^2/NDF : 42.3/17

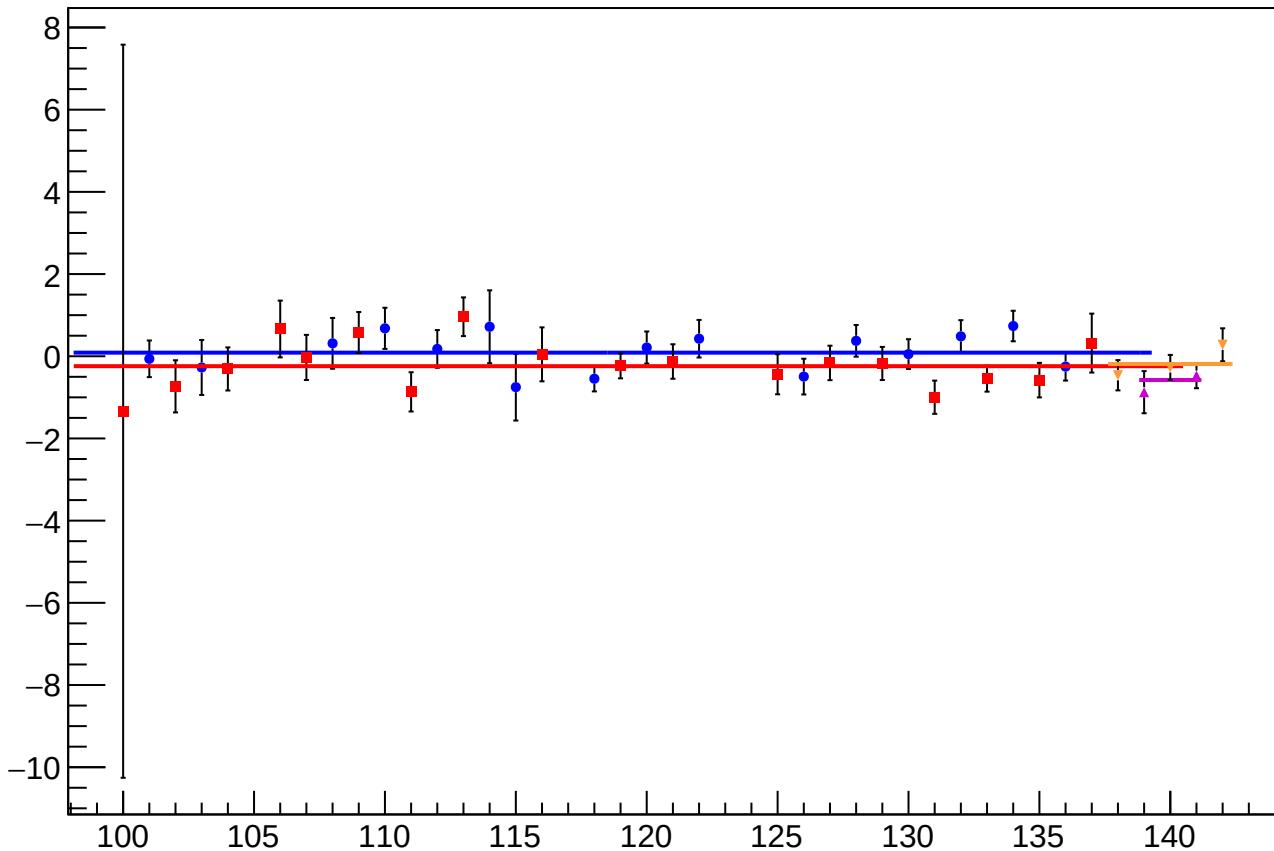
Left In: 0.051 ± 0.234 χ^2/NDF : 0.1/1

+ sign -0.456 ± 0.092 χ^2/NDF : 24.8/18

All: -0.424 ± 0.066 χ^2/NDF : 71.7/38

- sign -0.390 ± 0.095 χ^2/NDF : 46.6/19

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088 $\pm$ 0.108 χ^2 /NDF: 15.9/15

Left Out: -0.189 $\pm$ 0.203 χ^2 /NDF: 2.0/2

Right Out: -0.241 $\pm$ 0.110 χ^2 /NDF: 19.6/17

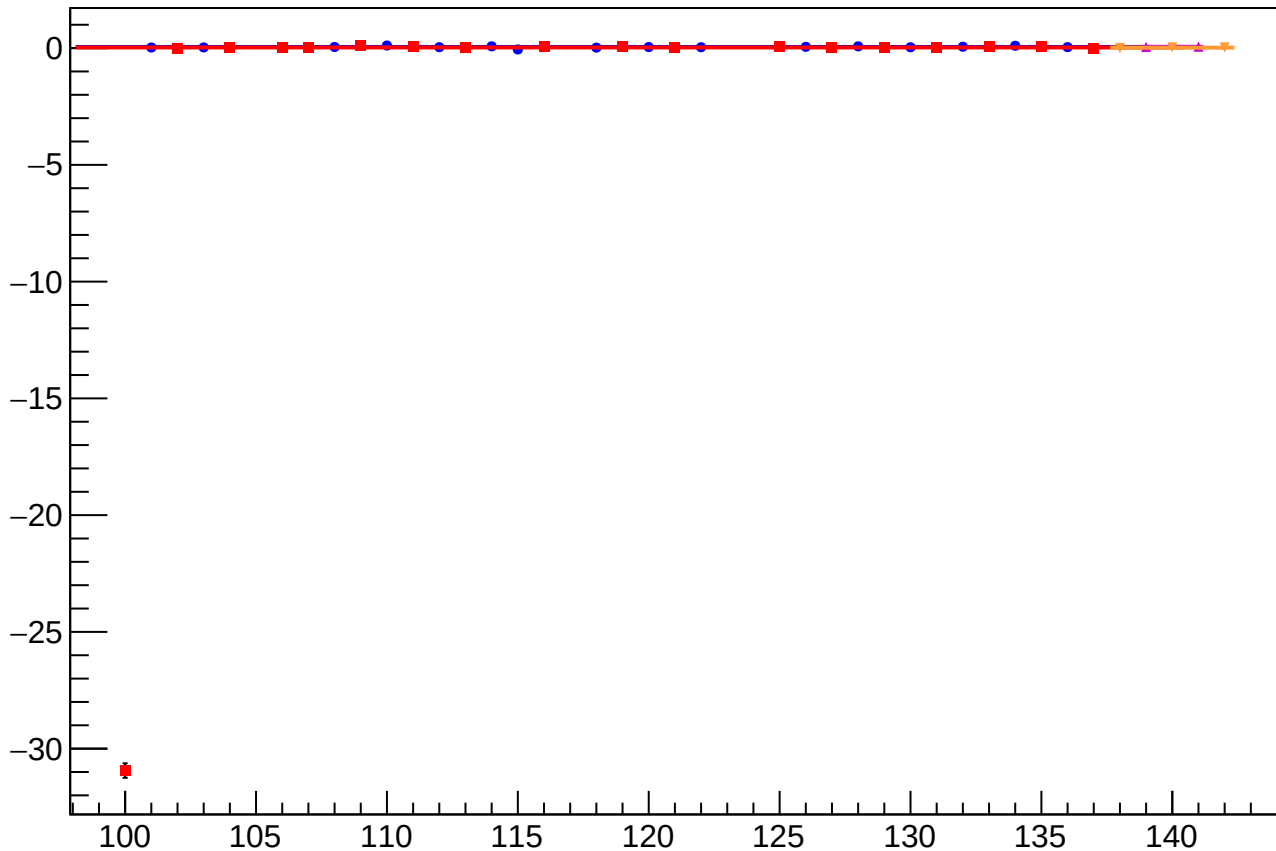
Left In: -0.578 $\pm$ 0.263 χ^2 /NDF: 0.5/1

+ sign 0.026 $\pm$ 0.096 χ^2 /NDF: 19.3/18

All: -0.123 $\pm$ 0.069 χ^2 /NDF: 46.0/38

- sign -0.291 $\pm$ 0.101 χ^2 /NDF: 21.5/19

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049 $\pm$ 0.006 χ^2 /NDF: 19.2/15

Left Out: 0.020 $\pm$ 0.009 χ^2 /NDF: 2.0/2

Right Out: 0.028 $\pm$ 0.006 χ^2 /NDF: 10020.9/17

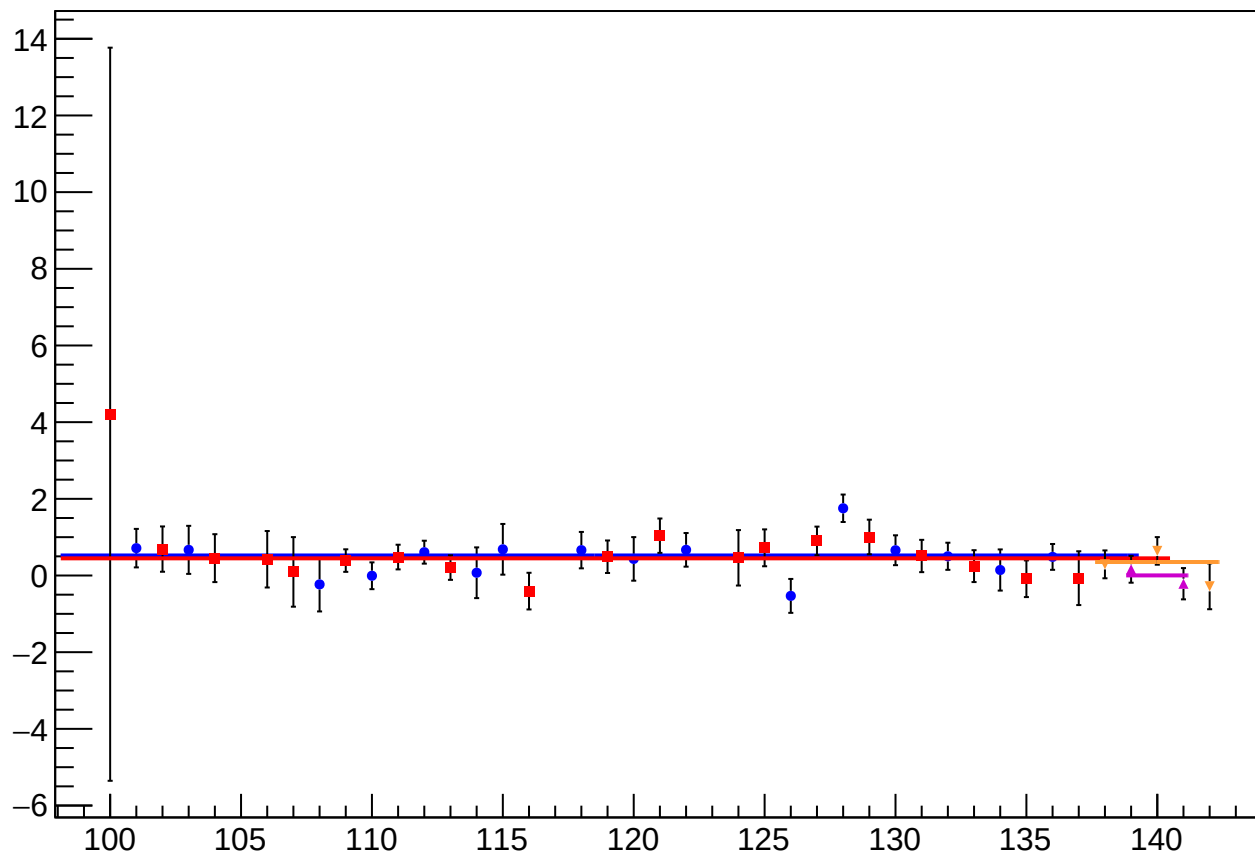
Left In: 0.055 $\pm$ 0.009 χ^2 /NDF: 0.2/1

+ sign 0.038 $\pm$ 0.005 χ^2 /NDF: 28.7/18

All: 0.038 $\pm$ 0.004 χ^2 /NDF: 10056.3/38

- sign 0.037 $\pm$ 0.005 χ^2 /NDF: 10027.6/19

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522 ± 0.108 χ^2/NDF : 22.6/15

Left Out: 0.352 ± 0.235 χ^2/NDF : 1.8/2

Right Out: 0.448 ± 0.105 χ^2/NDF : 11.4/18

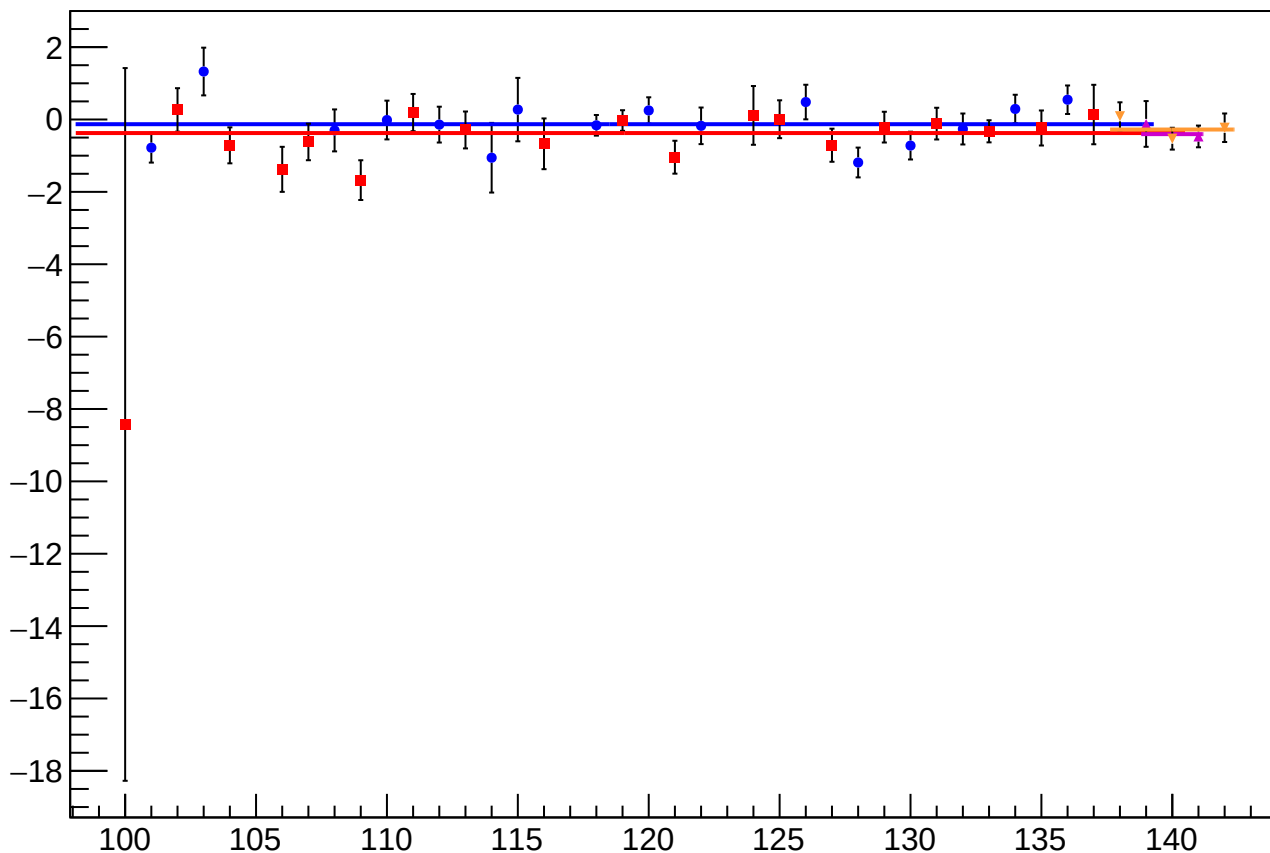
Left In: 0.003 ± 0.266 χ^2/NDF : 0.5/1

+ sign 0.493 ± 0.099 χ^2/NDF : 24.8/18

All: 0.440 ± 0.069 χ^2/NDF : 39.7/39

- sign 0.387 ± 0.098 χ^2/NDF : 14.3/20

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130 ± 0.112 χ^2/NDF : 24.6/15

Left Out: -0.277 ± 0.204 χ^2/NDF : 1.6/2

Right Out: -0.375 ± 0.111 χ^2/NDF : 18.2/18

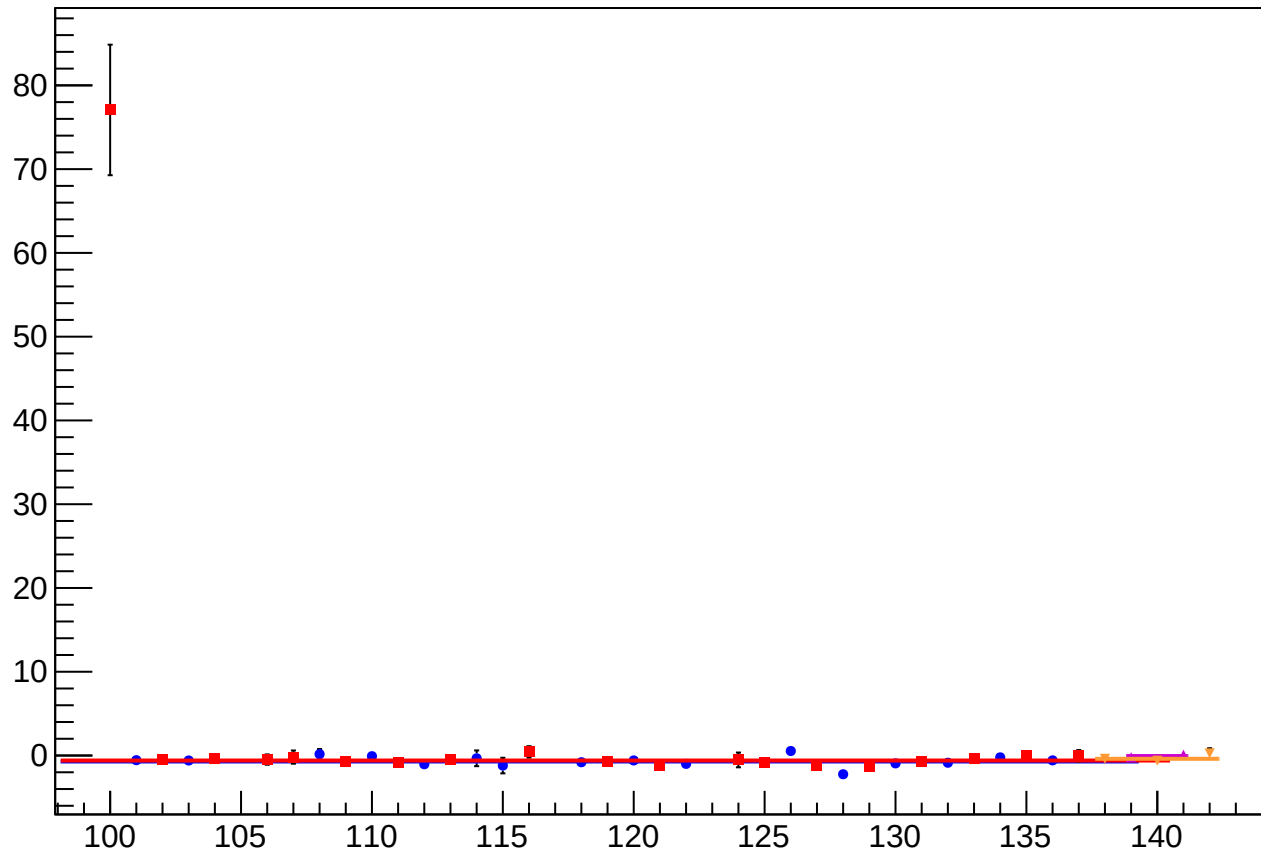
Left In: -0.405 ± 0.271 χ^2/NDF : 0.2/1

+ sign -0.164 ± 0.098 χ^2/NDF : 26.6/18

All: -0.266 ± 0.071 χ^2/NDF : 47.3/39

- sign -0.379 ± 0.103 χ^2/NDF : 18.5/20

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713 ± 0.122 χ^2/NDF : 24.9/15

Left Out: -0.392 ± 0.243 χ^2/NDF : 1.5/2

Right Out: -0.597 ± 0.122 χ^2/NDF : 110.9/18

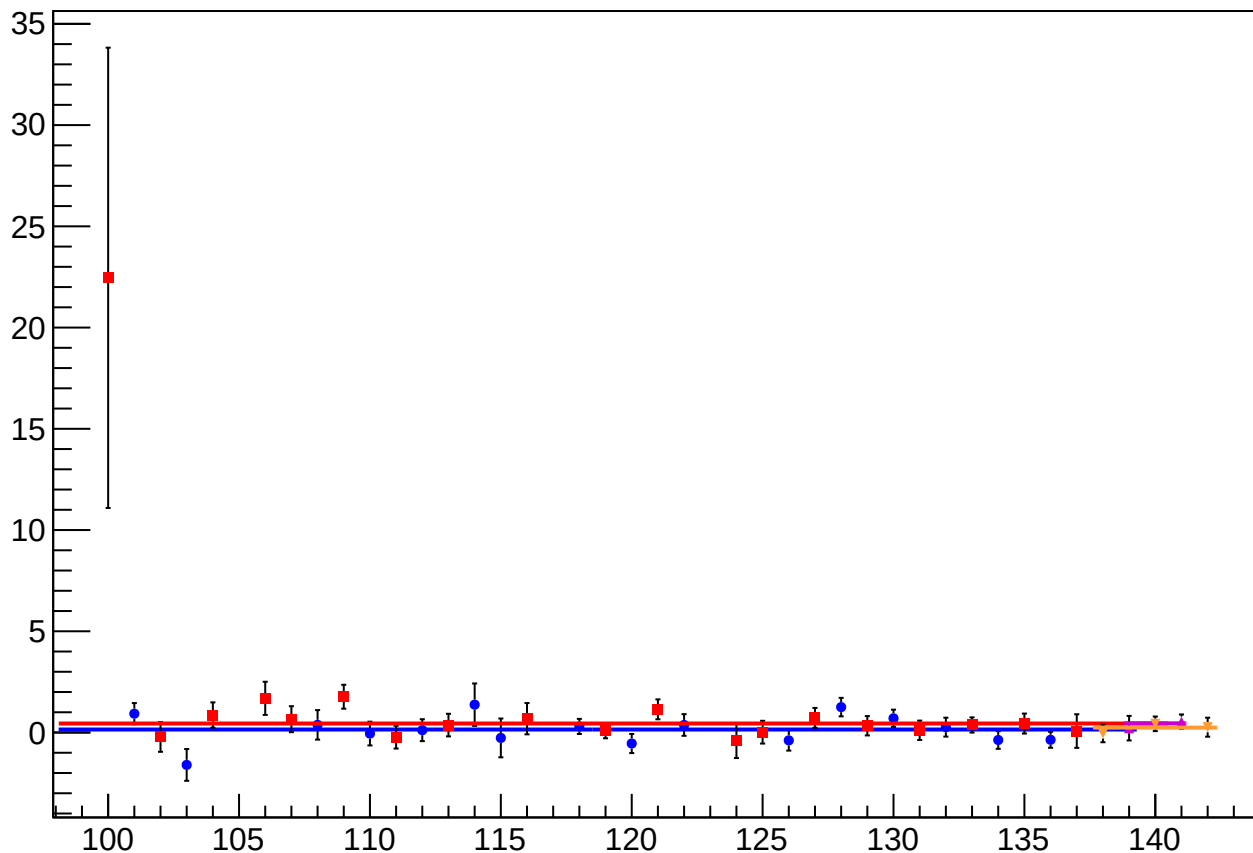
Left In: -0.065 ± 0.275 χ^2/NDF : 0.3/1

+ sign -0.649 ± 0.109 χ^2/NDF : 27.8/18

All: -0.581 ± 0.078 χ^2/NDF : 142.9/39

- sign -0.510 ± 0.111 χ^2/NDF : 114.4/20

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148 $\pm$ 0.128 χ^2 /NDF: 23.3/15

Left Out: 0.242 $\pm$ 0.239 χ^2 /NDF:0.7/2

Right Out: 0.445 $\pm$ 0.128 χ^2 /NDF: 19.7/18

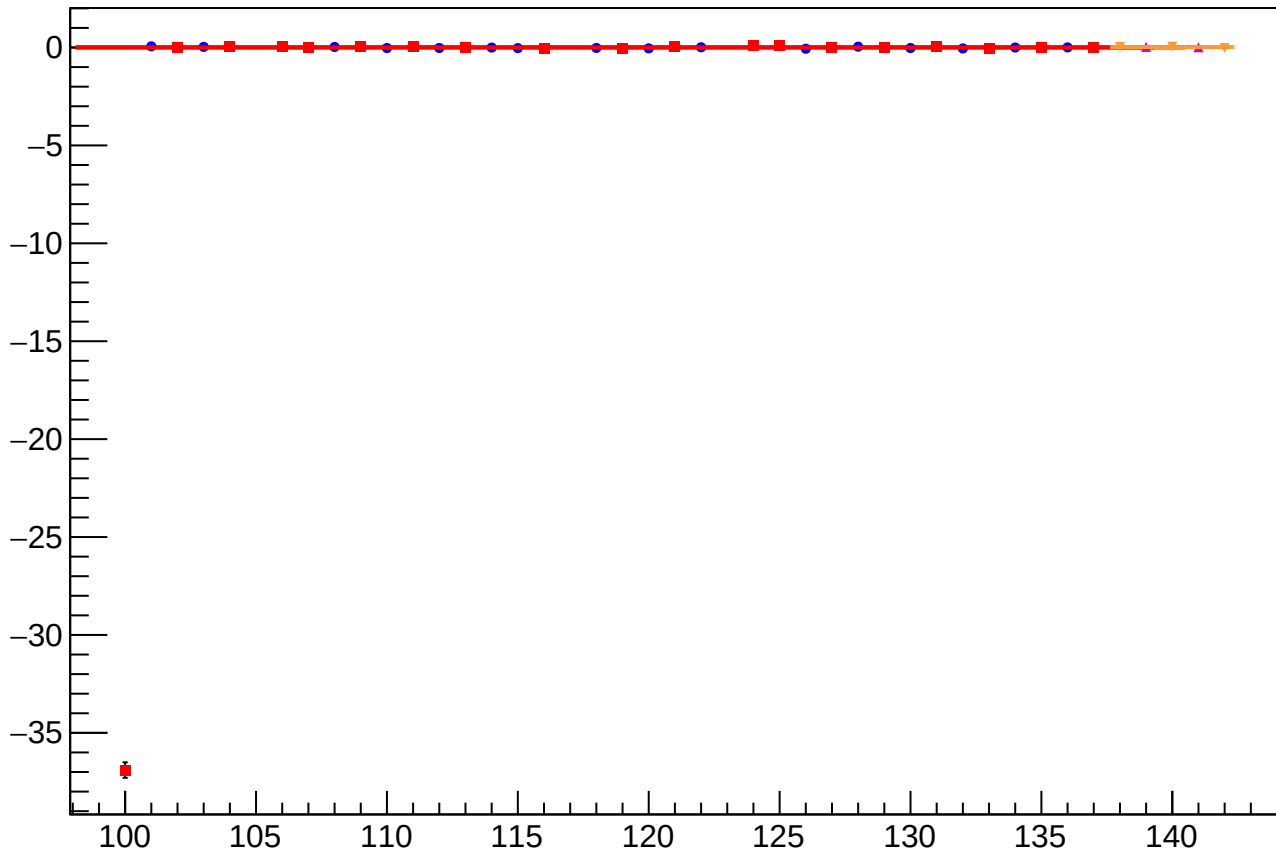
Left In: 0.454 $\pm$ 0.307 χ^2 /NDF:0.2/1

+ sign 0.169 $\pm$ 0.113 χ^2 /NDF: 24.1/18

All: 0.301 $\pm$ 0.082 χ^2 /NDF: 46.9/39

- sign 0.446 $\pm$ 0.118 χ^2 /NDF: 19.9/20

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006 $\pm$ 0.007 χ^2 /NDF: 17.6/15

Left Out: 0.021 $\pm$ 0.010 χ^2 /NDF: 5.1/2

Right Out: 0.002 $\pm$ 0.007 χ^2 /NDF: 8753.3/18

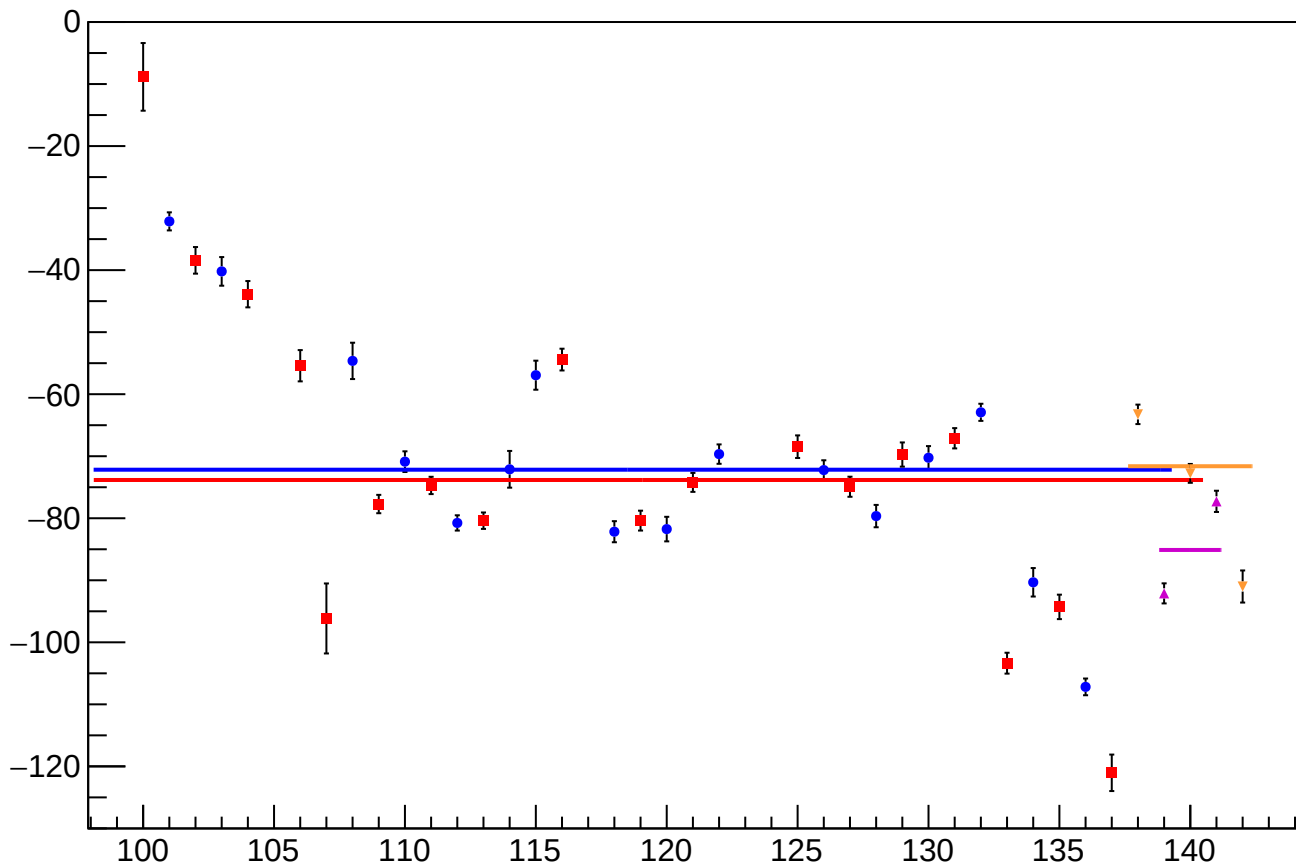
Left In: 0.025 $\pm$ 0.010 χ^2 /NDF: 1.0/1

+ sign 0.011 $\pm$ 0.006 χ^2 /NDF: 24.1/18

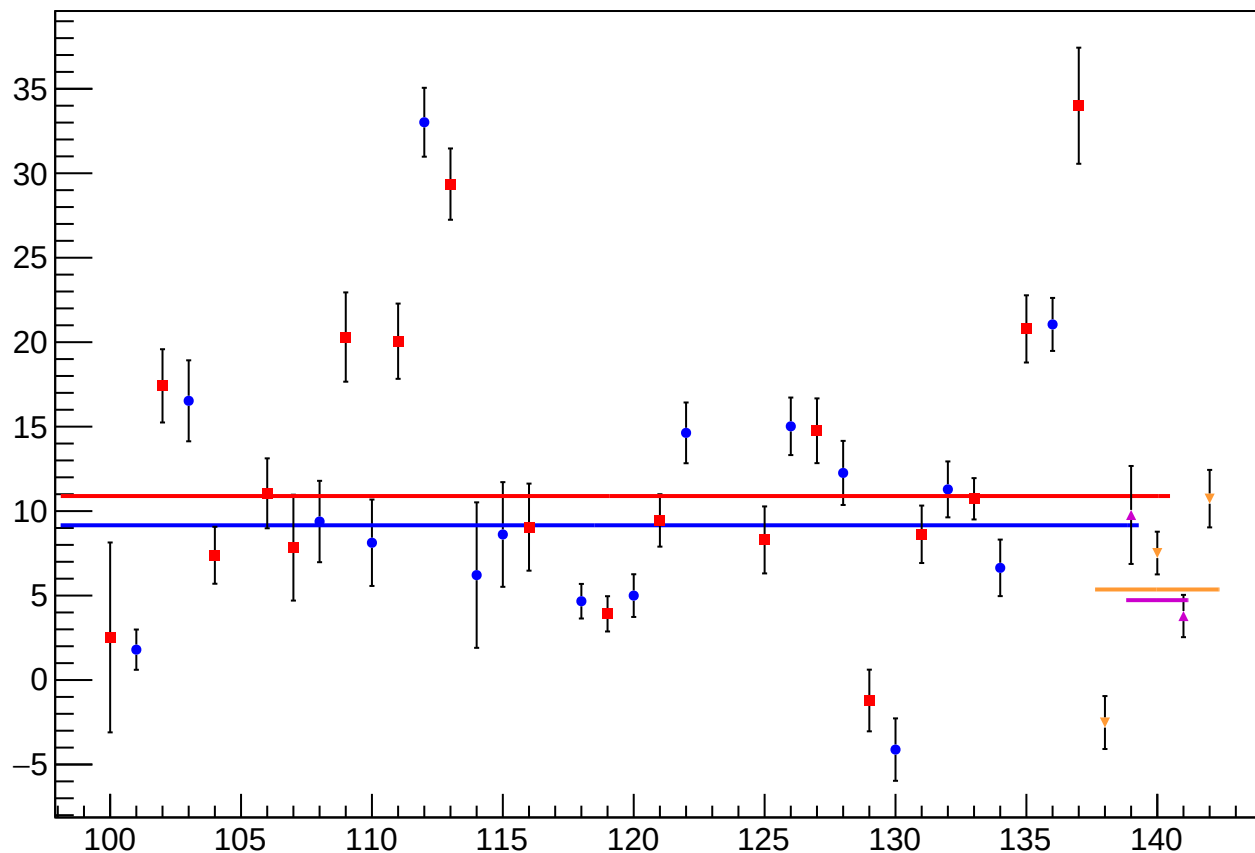
All: 0.011 $\pm$ 0.004 χ^2 /NDF: 8781.7/39

- sign 0.010 $\pm$ 0.006 χ^2 /NDF: 8757.6/20

reg_asym_us_avg_diff_bpm1X_slope vs Slug



reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161 ± 0.425 $\chi^2/\text{NDF}: 352.1/15$

Left Out: 5.360 ± 0.852 $\chi^2/\text{NDF}: 38.2/2$

Right Out: 10.892 ± 0.440 $\chi^2/\text{NDF}: 290.2/17$

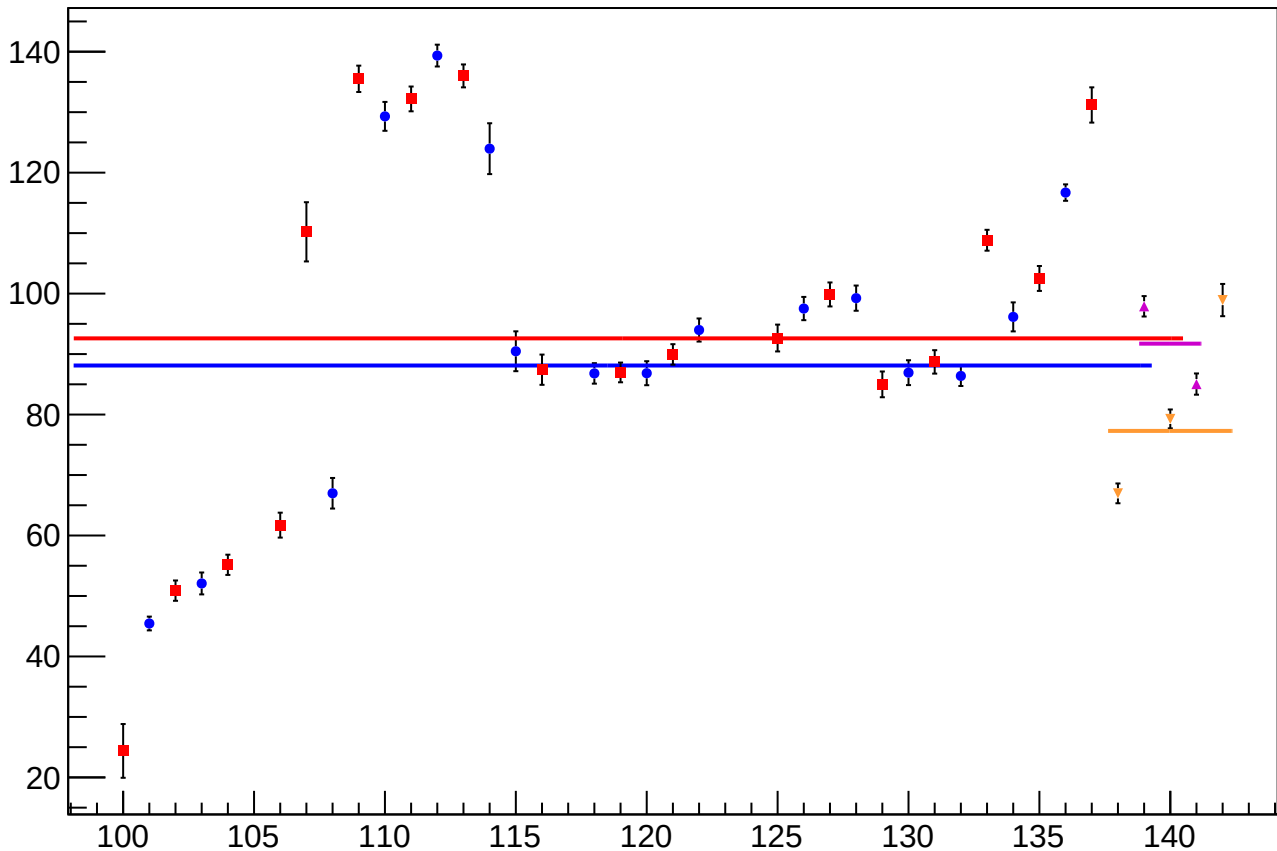
Left In: 4.728 ± 1.149 $\chi^2/\text{NDF}: 3.6/1$

+ sign 8.403 ± 0.380 $\chi^2/\text{NDF}: 406.2/18$

All: 9.187 ± 0.279 $\chi^2/\text{NDF}: 734.3/38$

- sign 10.104 ± 0.411 $\chi^2/\text{NDF}: 318.9/19$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109 ± 0.469 χ^2/NDF : 3561.7/15

Left Out: 77.295 ± 1.041 χ^2/NDF : 107.2/2

Right Out: 92.596 ± 0.483 χ^2/NDF : 3211.0/17

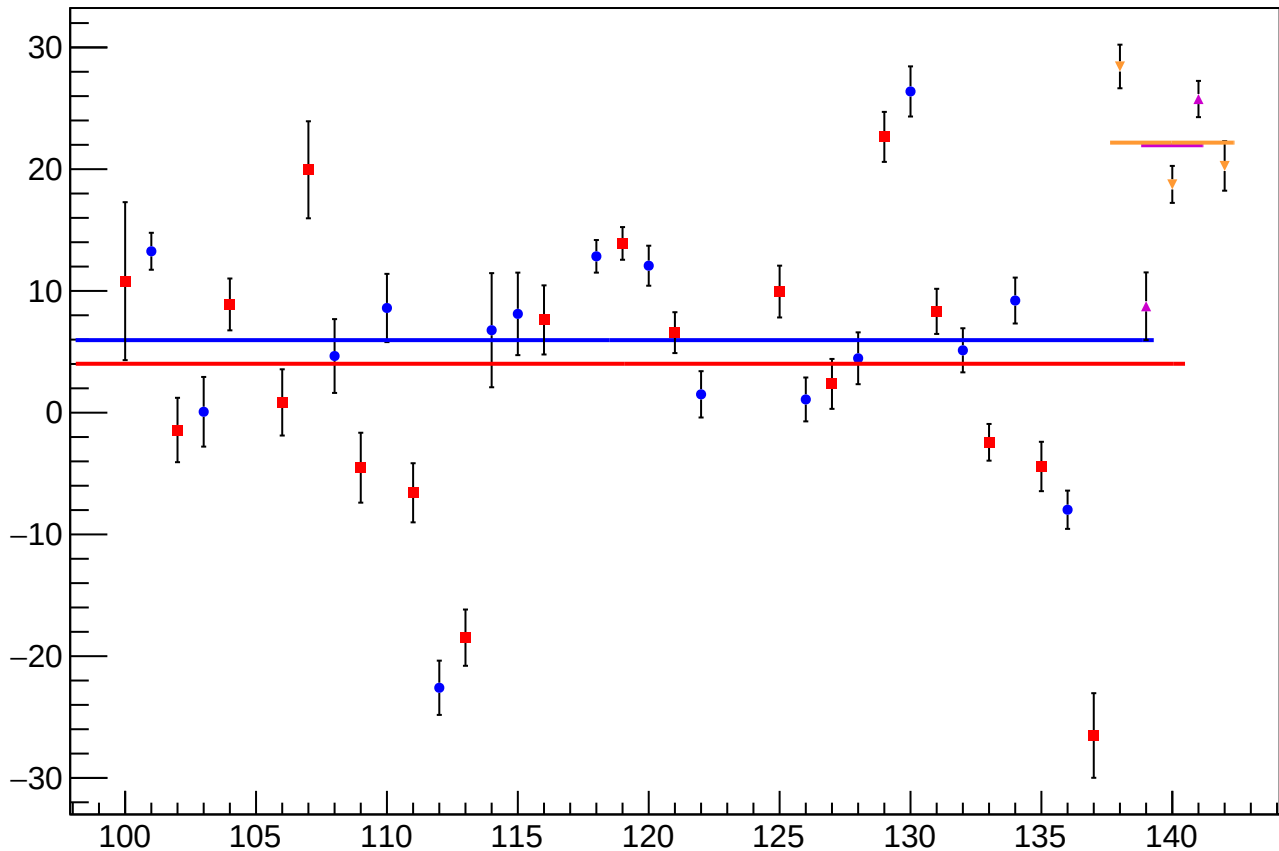
Left In: 91.723 ± 1.217 χ^2/NDF : 27.9/1

+ sign 86.287 ± 0.427 χ^2/NDF : 3758.6/18

All: 89.229 ± 0.310 χ^2/NDF : 7097.7/38

- sign 92.478 ± 0.449 χ^2/NDF : 3239.3/19

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958 ± 0.495 χ^2/NDF : 426.8/15

Left Out: 22.180 ± 1.006 χ^2/NDF : 18.2/2

Right Out: 4.017 ± 0.510 χ^2/NDF : 417.7/17

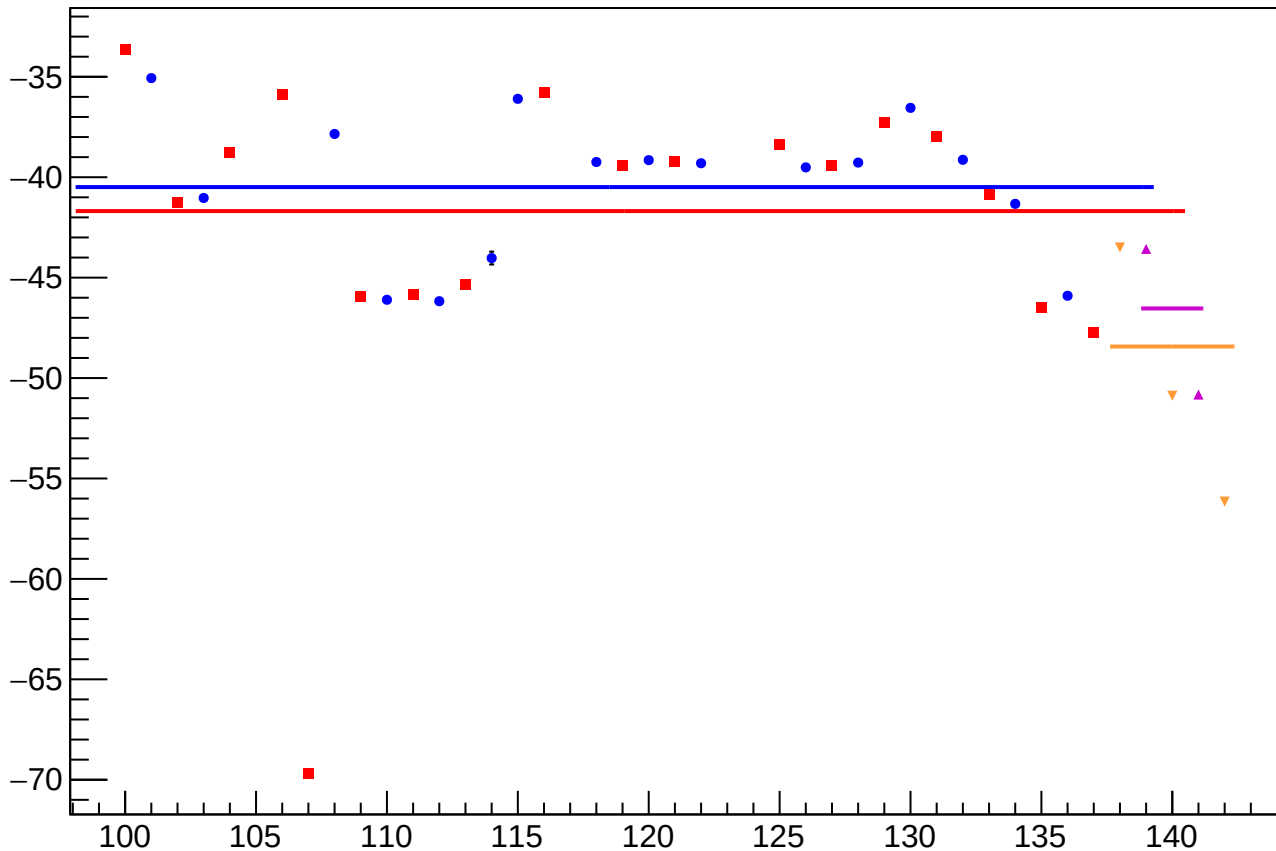
Left In: 21.965 ± 1.313 χ^2/NDF : 29.1/1

+ sign 9.116 ± 0.444 χ^2/NDF : 654.3/18

All: 7.835 ± 0.324 χ^2/NDF : 1281.4/38

- sign 6.367 ± 0.475 χ^2/NDF : 609.3/19

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491 ± 0.028 $\chi^2/\text{NDF}: 18125.4/15$

Left Out: -48.430 ± 0.044 $\chi^2/\text{NDF}: 11902.2/2$

Right Out: -41.686 ± 0.029 $\chi^2/\text{NDF}: 36838.6/17$

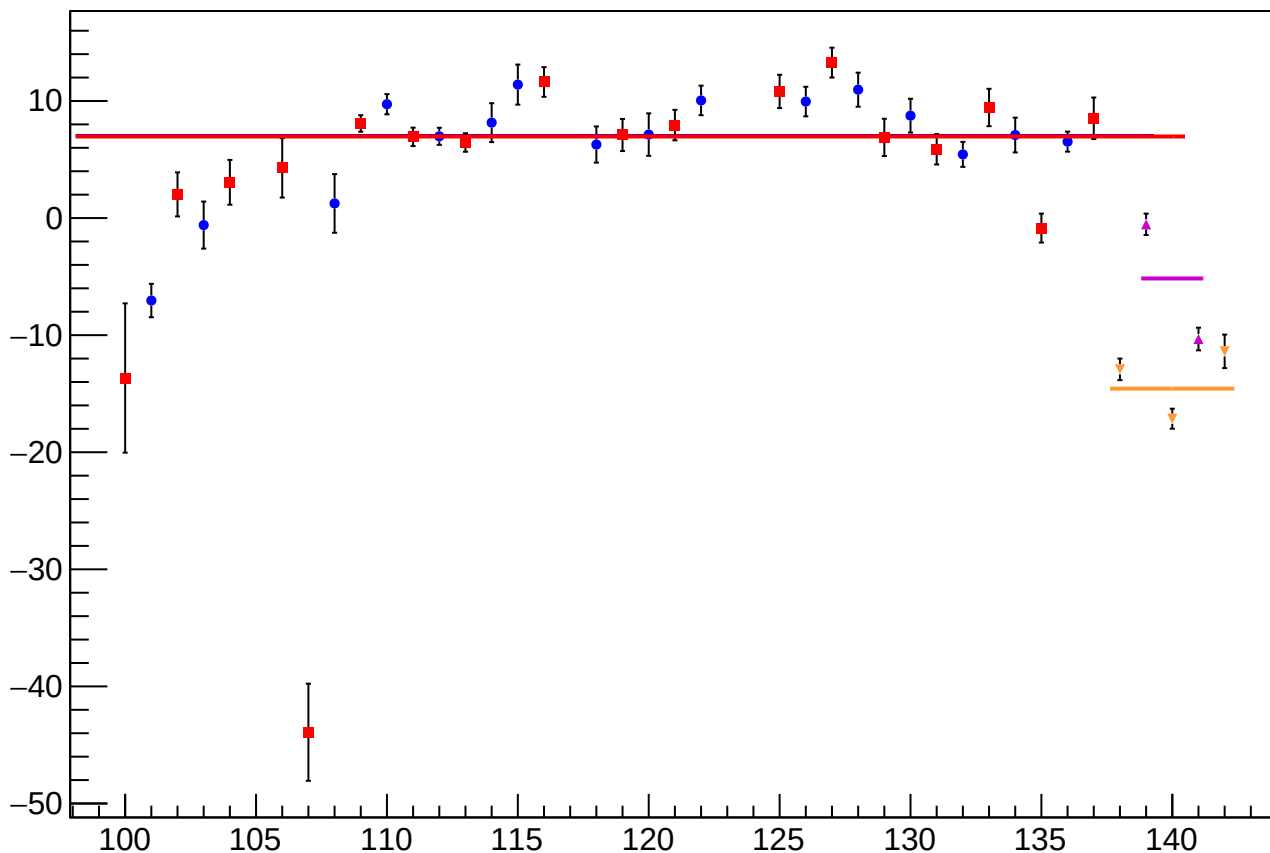
Left In: -46.535 ± 0.046 $\chi^2/\text{NDF}: 5991.1/1$

+ sign -42.835 ± 0.024 $\chi^2/\text{NDF}: 53238.8/18$

All: -42.952 ± 0.017 $\chi^2/\text{NDF}: 104017.1/38$

- sign -43.079 ± 0.025 $\chi^2/\text{NDF}: 50727.3/19$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011 ± 0.309 χ^2/NDF : 156.3/15

Left Out: -14.569 ± 0.573 χ^2/NDF : 17.2/2

Right Out: 6.967 ± 0.298 χ^2/NDF : 266.0/17

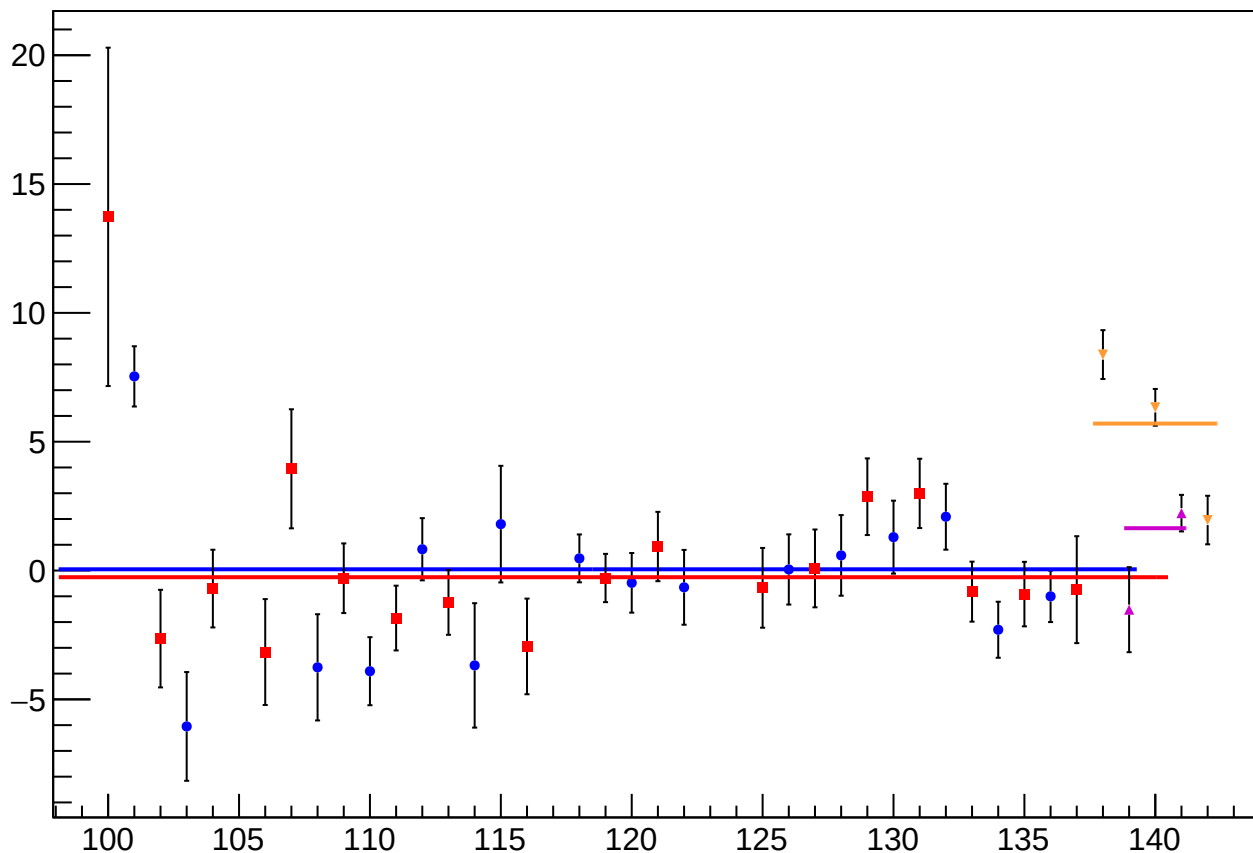
Left In: -5.159 ± 0.664 χ^2/NDF : 54.3/1

+ sign 2.146 ± 0.272 χ^2/NDF : 1271.3/18

All: 3.540 ± 0.192 χ^2/NDF : 1921.5/38

- sign 4.931 ± 0.272 χ^2/NDF : 597.8/19

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048 ± 0.331 $\chi^2/\text{NDF}: 75.0/15$

Left Out: 5.704 ± 0.488 $\chi^2/\text{NDF}: 24.5/2$

Right Out: -0.259 ± 0.344 $\chi^2/\text{NDF}: 27.5/17$

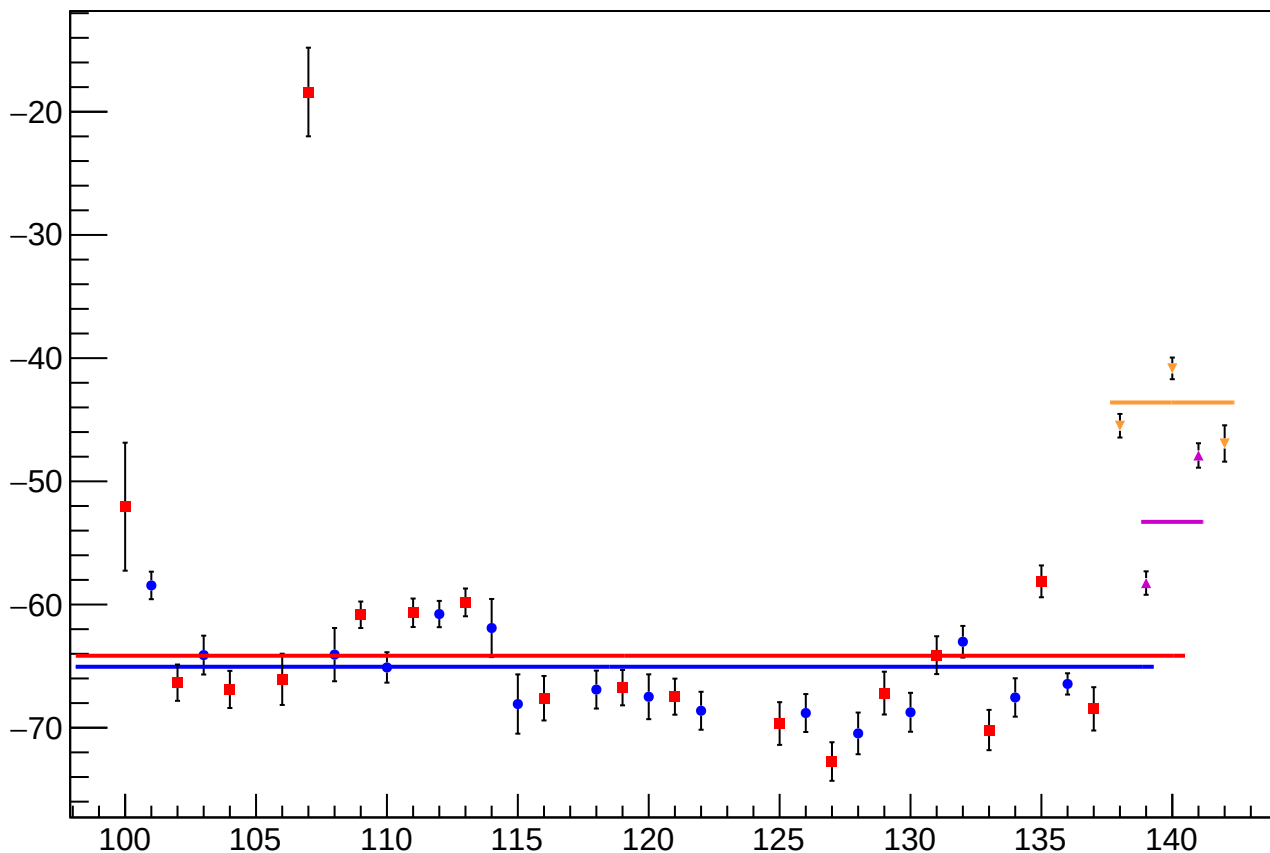
Left In: 1.643 ± 0.652 $\chi^2/\text{NDF}: 4.4/1$

+ sign 1.835 ± 0.274 $\chi^2/\text{NDF}: 191.5/18$

All: 1.083 ± 0.204 $\chi^2/\text{NDF}: 246.8/38$

- sign 0.157 ± 0.304 $\chi^2/\text{NDF}: 38.5/19$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051 $\pm$ 0.354 χ^2/NDF : 92.8/15

Left Out: -43.598 $\pm$ 0.593 χ^2/NDF :18.9/2

Right Out: -64.156 $\pm$ 0.360 χ^2/NDF : 303.7/17

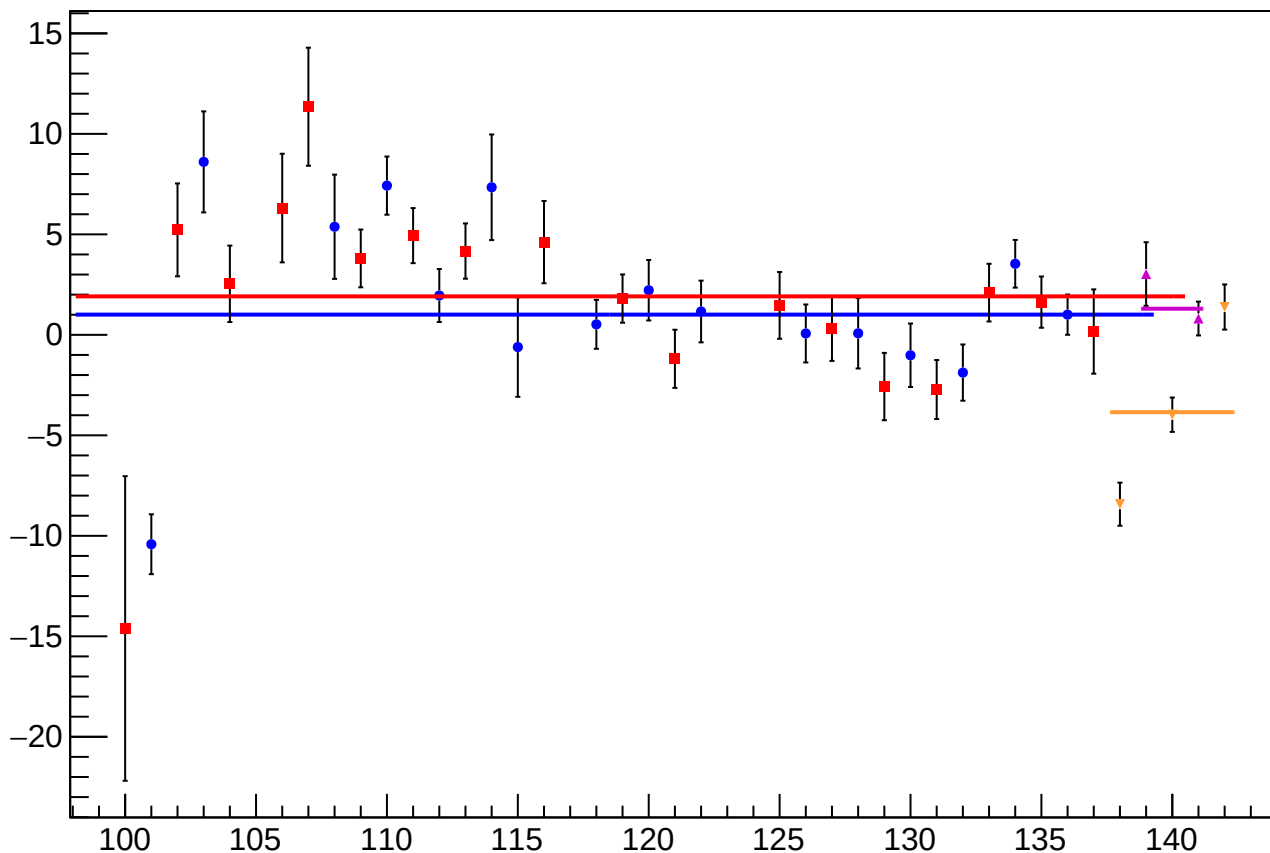
Left In: -53.288 $\pm$ 0.687 χ^2/NDF :56.8/1

+ sign -59.417 $\pm$ 0.304 χ^2/NDF : 1076.1/18

All: -60.555 $\pm$ 0.220 χ^2/NDF : 1662.3/38

- sign -61.808 $\pm$ 0.319 χ^2/NDF : 556.8/19

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006 $\pm$ 0.376 χ^2 /NDF: 109.2/15

Left Out: -3.849 $\pm$ 0.574 χ^2 /NDF: 40.0/2

Right Out: 1.914 $\pm$ 0.390 χ^2 /NDF: 54.5/17

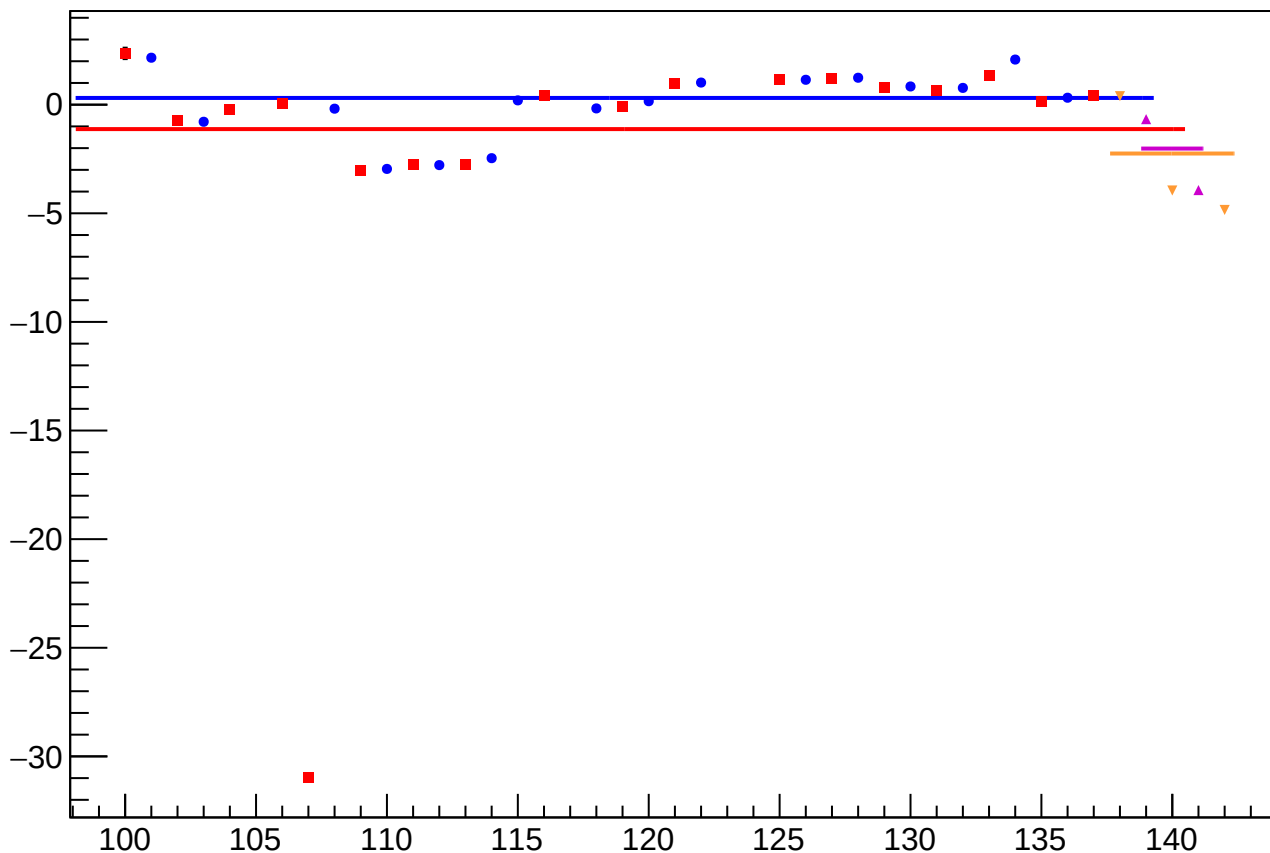
Left In: 1.300 $\pm$ 0.743 χ^2 /NDF: 1.5/1

+ sign -0.448 $\pm$ 0.314 χ^2 /NDF: 199.3/18

All: 0.563 $\pm$ 0.232 χ^2 /NDF: 278.6/38

- sign 1.781 $\pm$ 0.345 χ^2 /NDF: 56.5/19

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310 ± 0.021 $\chi^2/\text{NDF}: 4848.4/15$

Left Out: -2.248 ± 0.025 $\chi^2/\text{NDF}: 8611.1/2$

Right Out: -1.124 ± 0.022 $\chi^2/\text{NDF}: 46347.9/17$

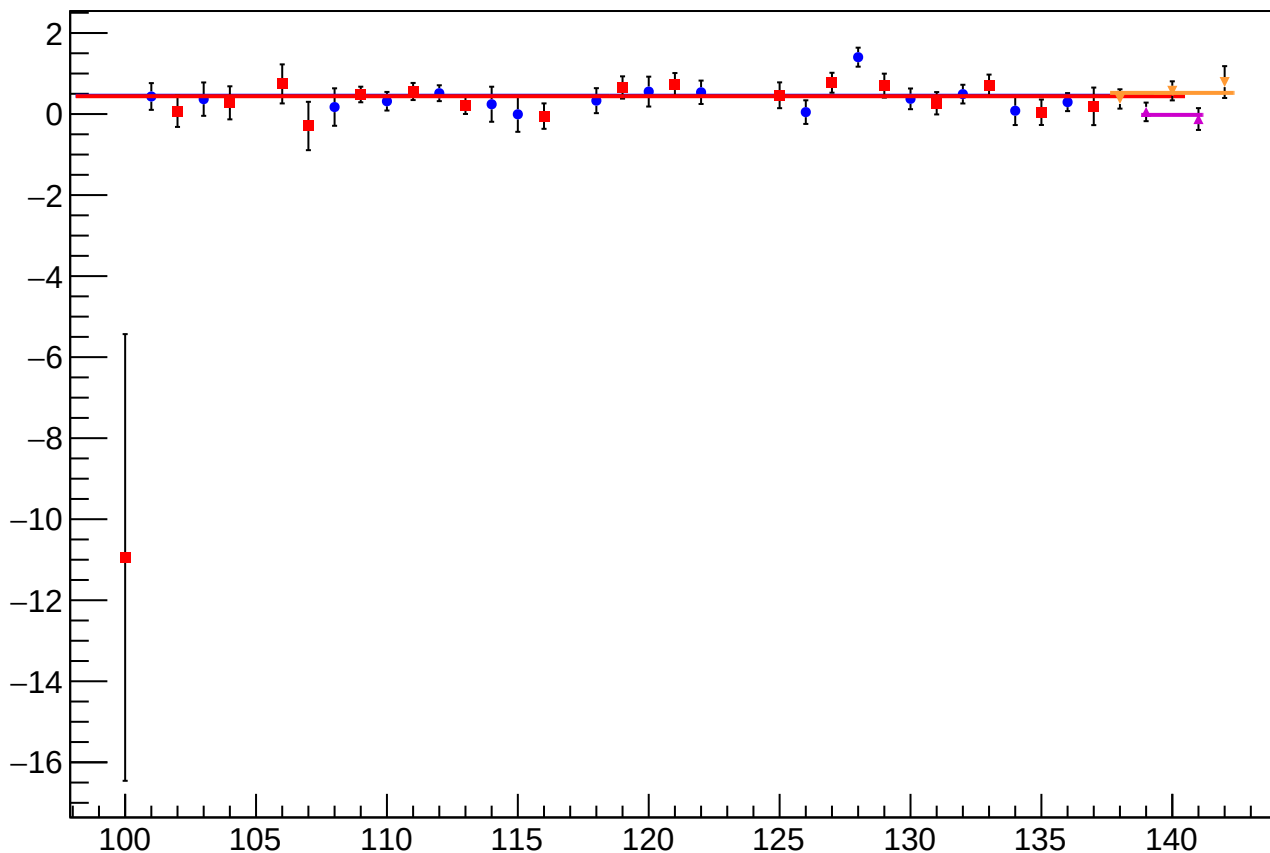
Left In: -2.020 ± 0.026 $\chi^2/\text{NDF}: 3820.2/1$

+ sign -0.763 ± 0.016 $\chi^2/\text{NDF}: 19650.8/18$

All: -1.113 ± 0.012 $\chi^2/\text{NDF}: 71508.5/38$

- sign -1.502 ± 0.017 $\chi^2/\text{NDF}: 50854.1/19$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452 ± 0.071 $\chi^2/\text{NDF}: 22.6/15$

Left Out: 0.522 ± 0.154 $\chi^2/\text{NDF}: 0.9/2$

Right Out: 0.440 ± 0.070 $\chi^2/\text{NDF}: 18.5/17$

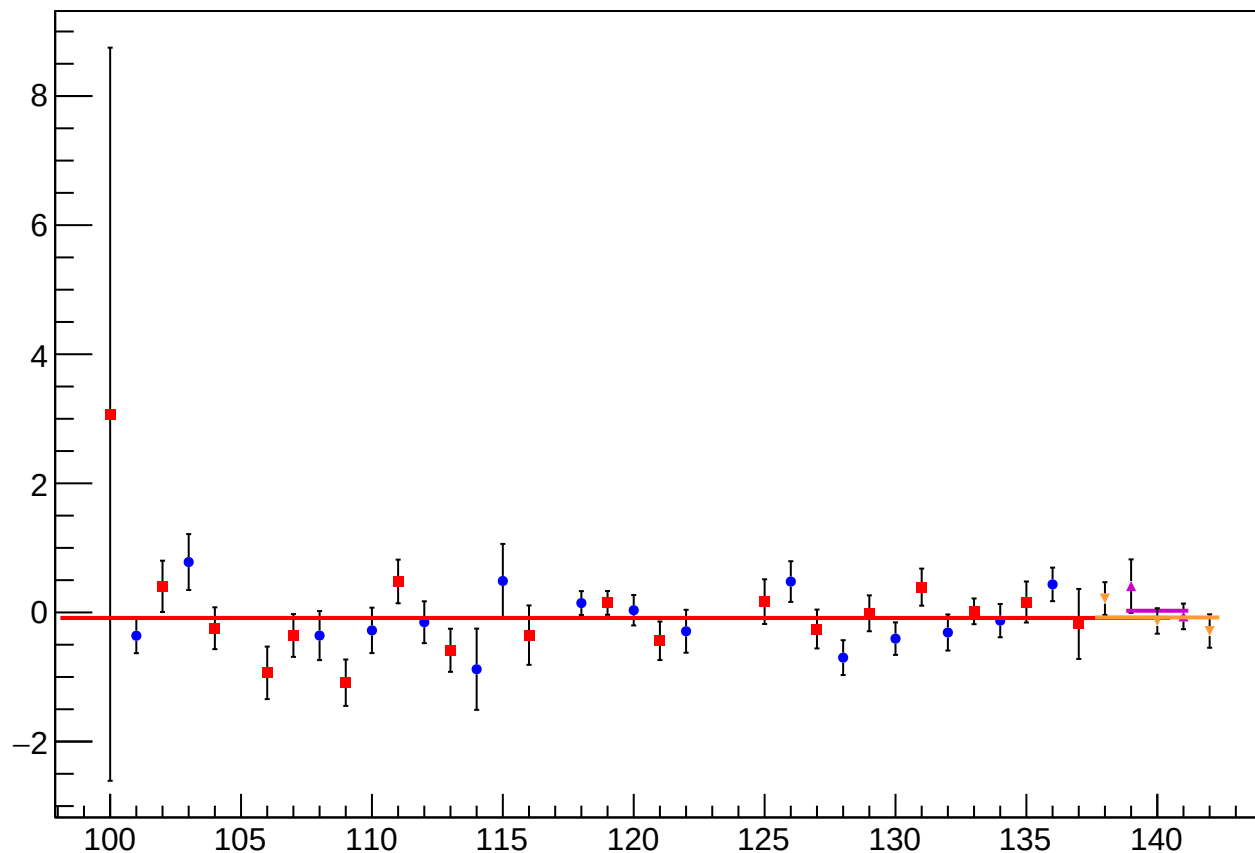
Left In: -0.021 ± 0.174 $\chi^2/\text{NDF}: 0.2/1$

+ sign 0.464 ± 0.065 $\chi^2/\text{NDF}: 23.7/18$

All: 0.420 ± 0.046 $\chi^2/\text{NDF}: 49.5/38$

- sign 0.377 ± 0.065 $\chi^2/\text{NDF}: 24.8/19$

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086 ± 0.073 χ^2/NDF : 25.4/15

Left Out: -0.078 ± 0.133 χ^2/NDF : 2.1/2

Right Out: -0.085 ± 0.074 χ^2/NDF : 27.9/17

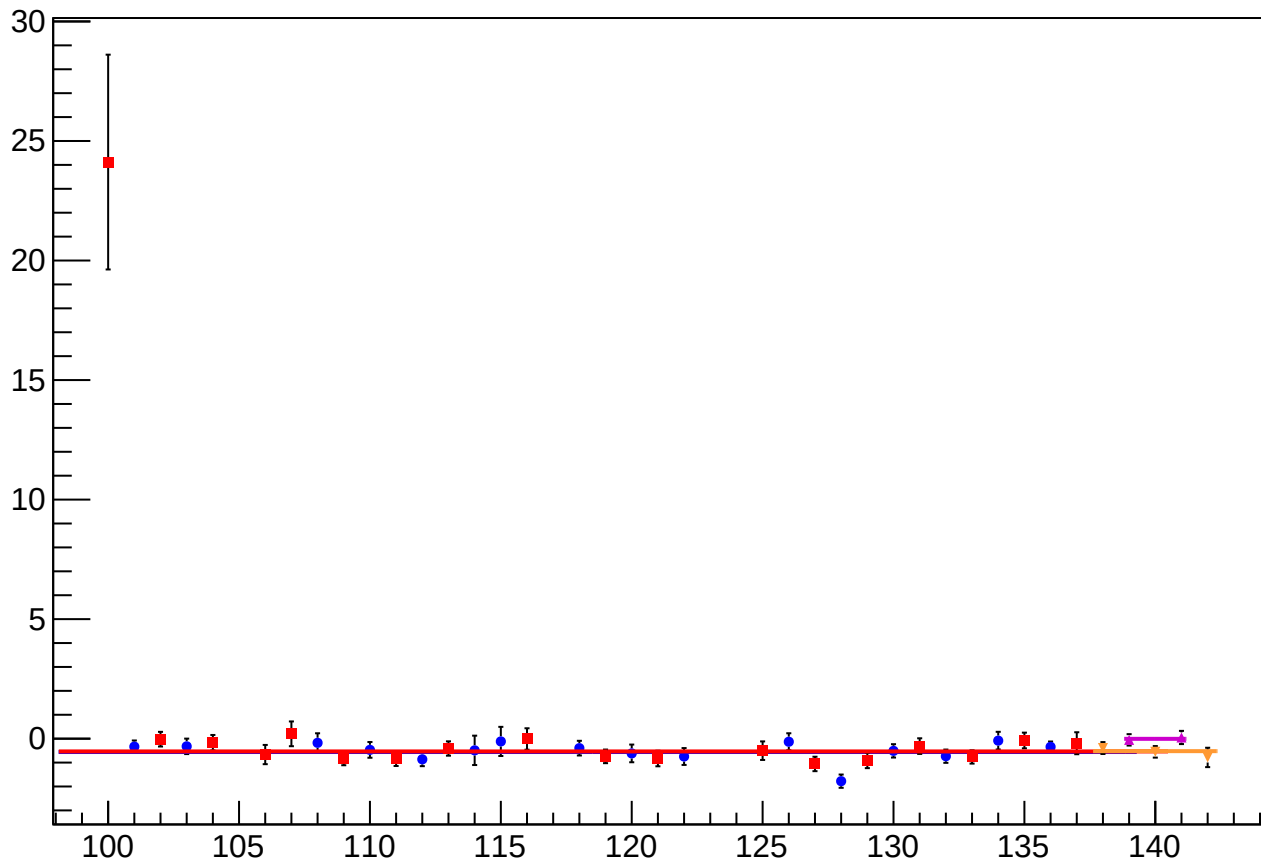
Left In: 0.026 ± 0.179 χ^2/NDF : 1.0/1

+ sign -0.084 ± 0.064 χ^2/NDF : 27.4/18

All: -0.077 ± 0.047 χ^2/NDF : 56.7/38

- sign -0.069 ± 0.068 χ^2/NDF : 29.3/19

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558 ± 0.080 χ^2/NDF : 28.3/15

Left Out: -0.522 ± 0.160 χ^2/NDF : 0.7/2

Right Out: -0.534 ± 0.081 χ^2/NDF : 49.2/17

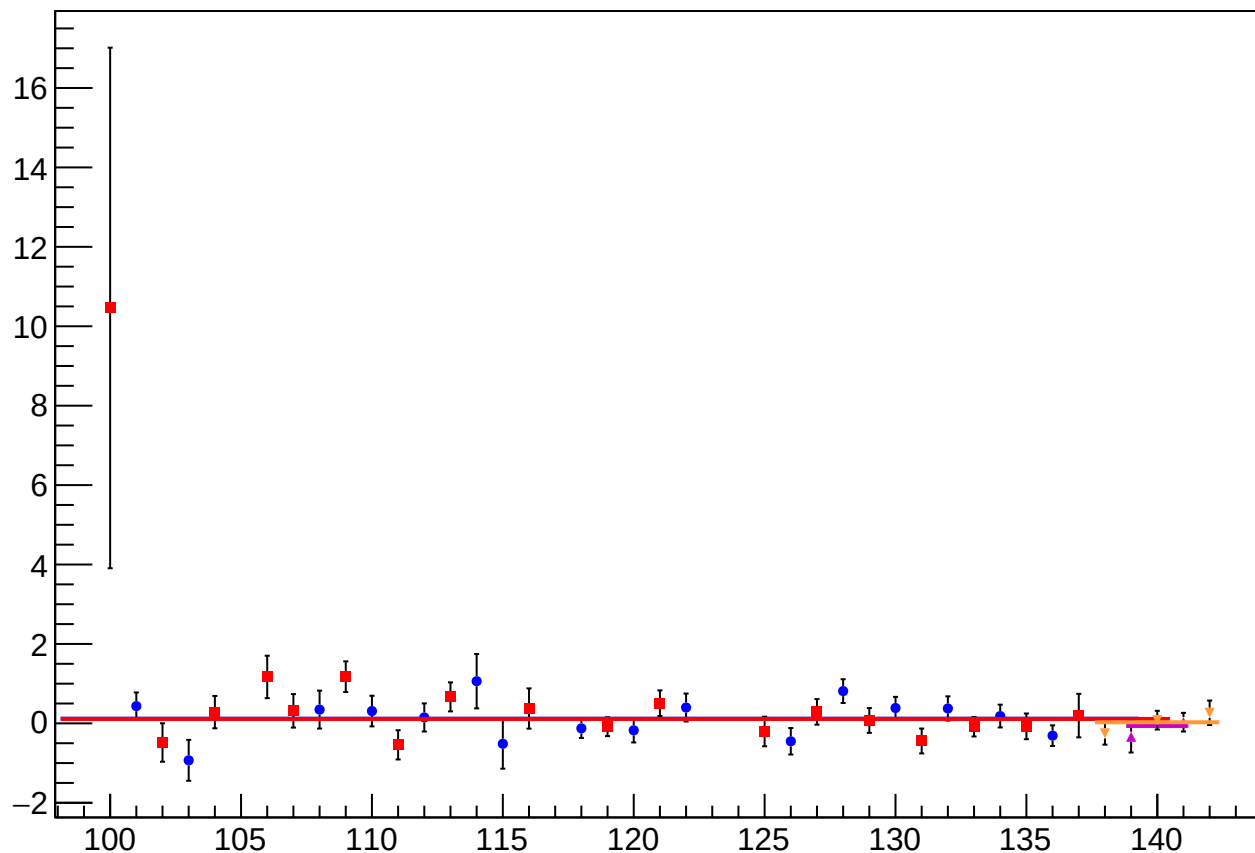
Left In: -0.007 ± 0.181 χ^2/NDF : 0.1/1

+ sign -0.551 ± 0.071 χ^2/NDF : 29.1/18

All: -0.500 ± 0.051 χ^2/NDF : 86.5/38

- sign -0.446 ± 0.074 χ^2/NDF : 56.3/19

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118 ± 0.084 χ^2/NDF : 23.6/15

Left Out: 0.028 ± 0.157 χ^2/NDF : 1.6/2

Right Out: 0.111 ± 0.085 χ^2/NDF : 29.0/17

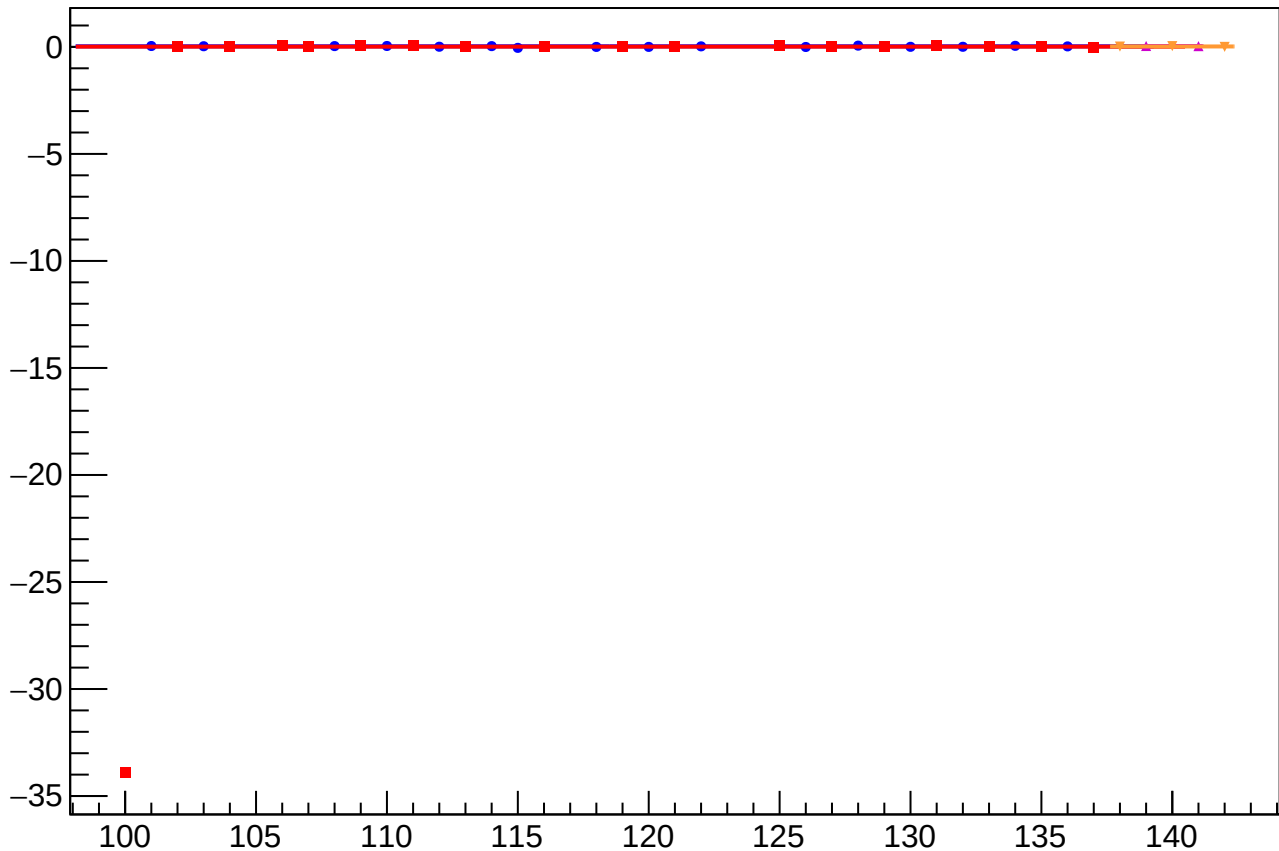
Left In: -0.065 ± 0.202 χ^2/NDF : 0.6/1

+ sign 0.098 ± 0.074 χ^2/NDF : 25.5/18

All: 0.092 ± 0.054 χ^2/NDF : 55.8/38

- sign 0.085 ± 0.078 χ^2/NDF : 30.3/19

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027 $\pm$ 0.005 χ^2 /NDF: 14.7/15

Left Out: 0.021 $\pm$ 0.007 χ^2 /NDF: 3.7/2

Right Out: 0.012 $\pm$ 0.005 χ^2 /NDF: 22262.0/17

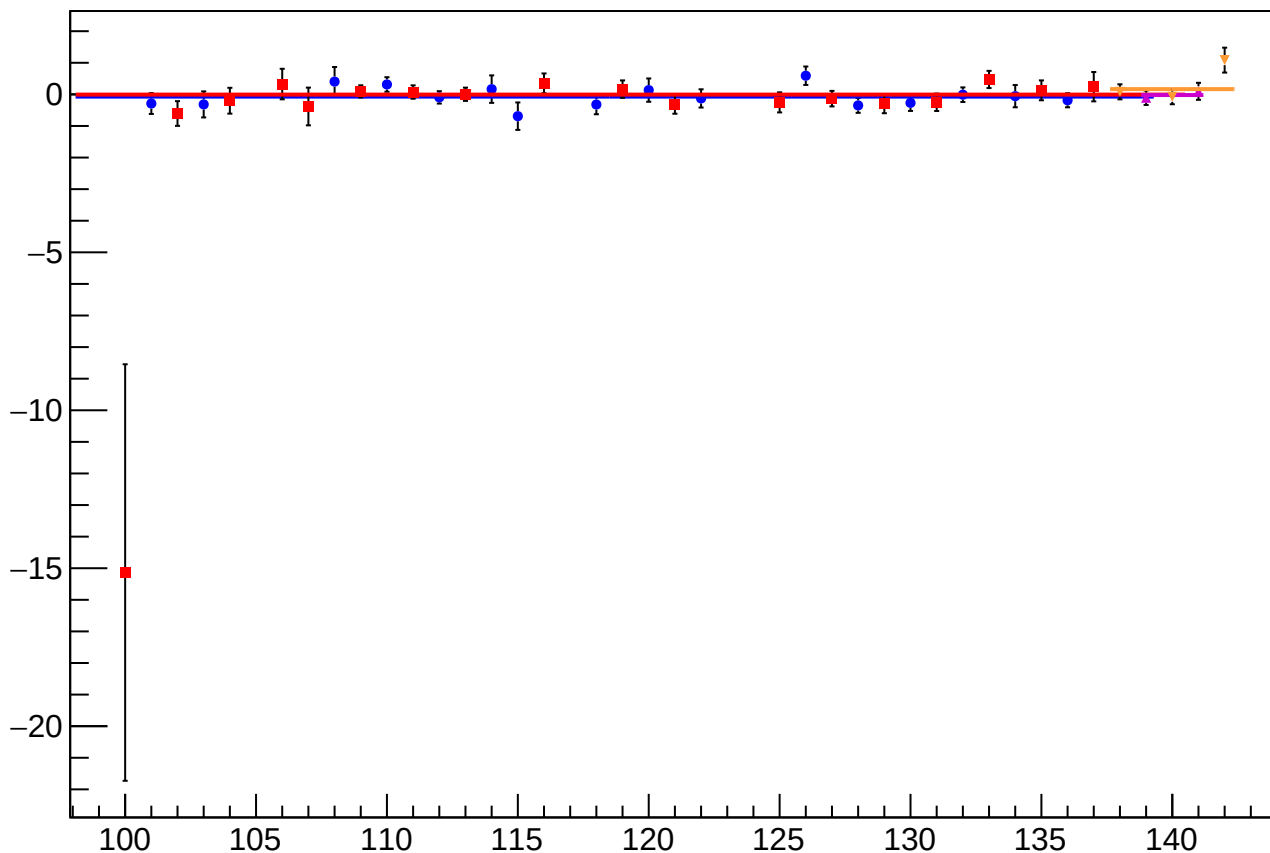
Left In: 0.040 $\pm$ 0.007 χ^2 /NDF: 0.2/1

+ sign 0.025 $\pm$ 0.004 χ^2 /NDF: 19.1/18

All: 0.023 $\pm$ 0.003 χ^2 /NDF: 22293.3/38

- sign 0.021 $\pm$ 0.004 χ^2 /NDF: 22273.8/19

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070 ± 0.071 χ^2/NDF : 15.5/15

Left Out: 0.167 ± 0.154 χ^2/NDF : 6.6/2

Right Out: -0.007 ± 0.070 χ^2/NDF : 18.1/17

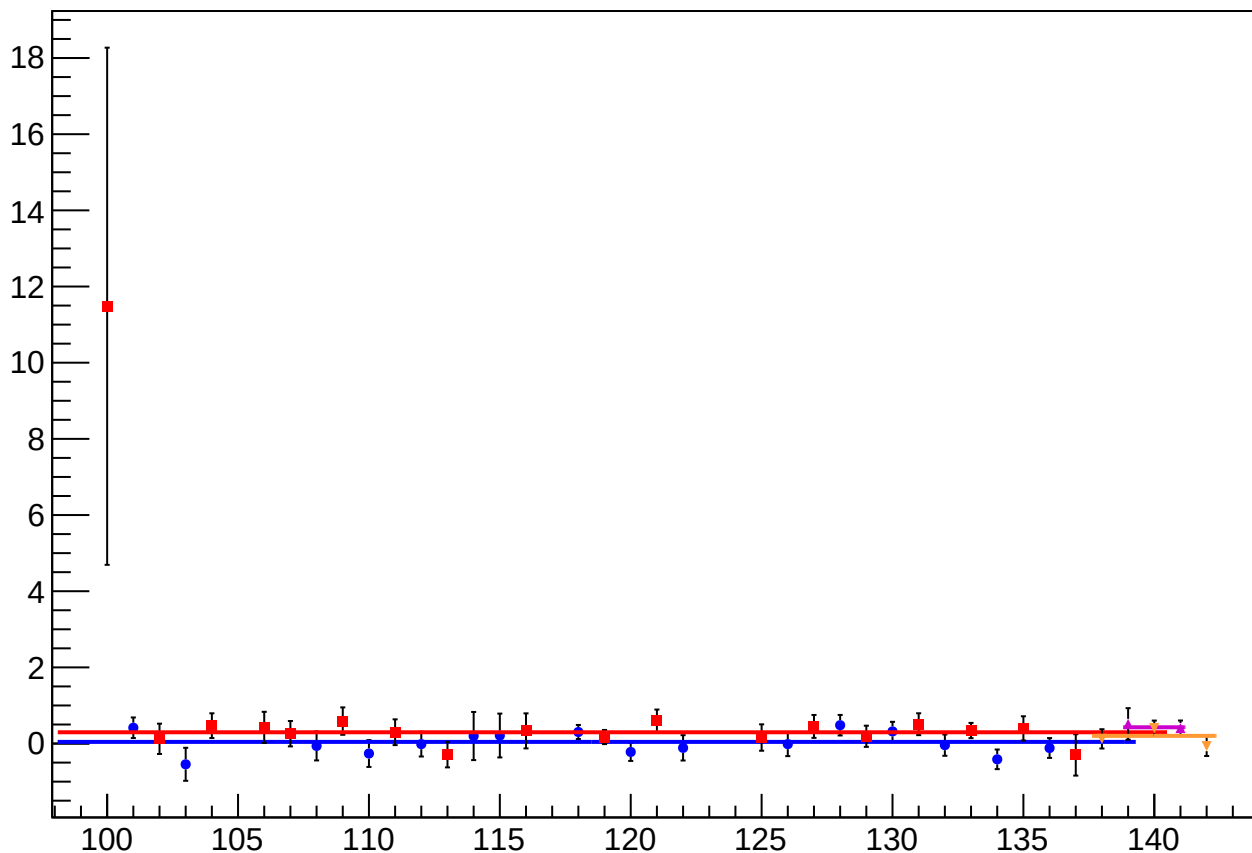
Left In: -0.021 ± 0.174 χ^2/NDF : 0.3/1

+ sign -0.028 ± 0.065 χ^2/NDF : 24.1/18

All: -0.019 ± 0.046 χ^2/NDF : 42.6/38

- sign -0.009 ± 0.065 χ^2/NDF : 18.5/19

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044 ± 0.073 χ^2/NDF : 15.7/15

Left Out: 0.202 ± 0.134 χ^2/NDF : 2.2/2

Right Out: 0.296 ± 0.074 χ^2/NDF : 11.0/17

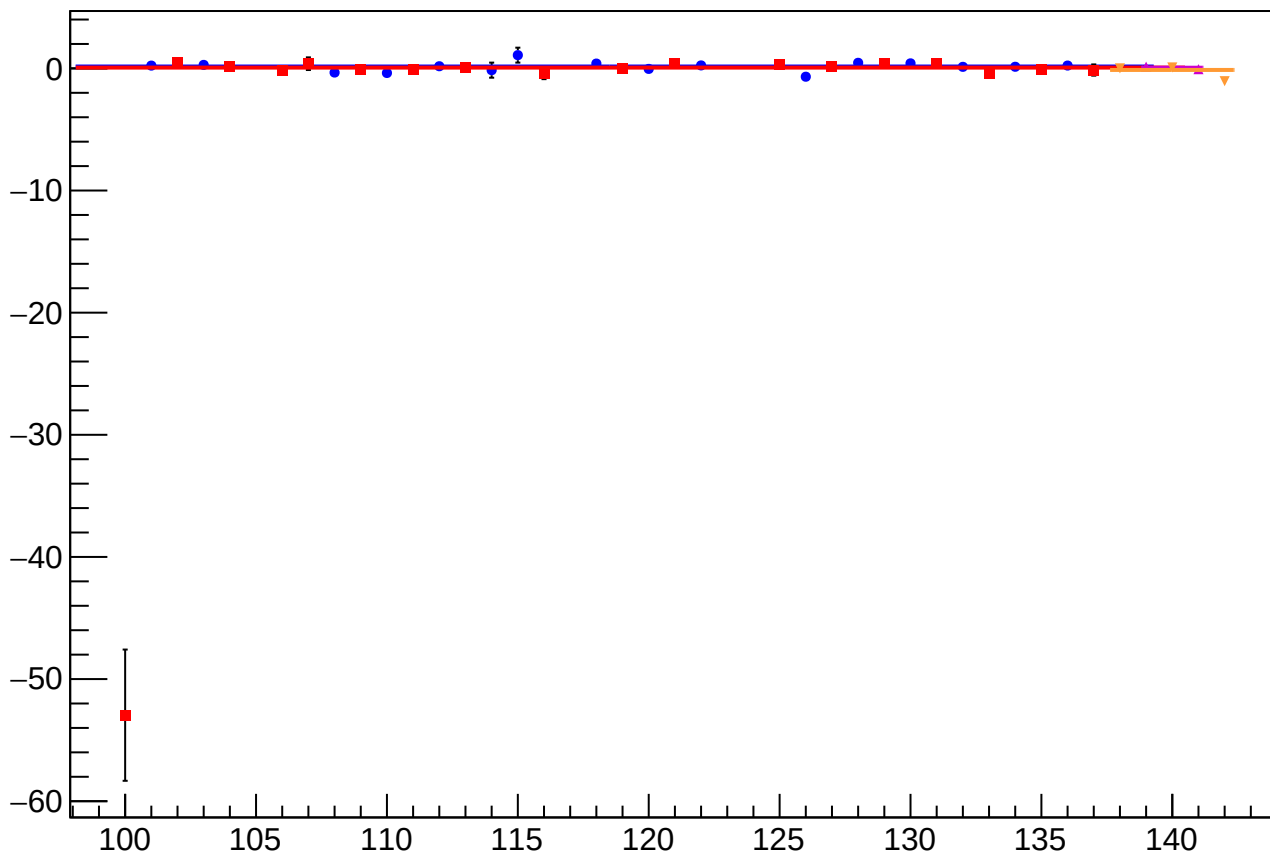
Left In: 0.427 ± 0.179 χ^2/NDF : 0.1/1

+ sign 0.080 ± 0.064 χ^2/NDF : 19.0/18

All: 0.191 ± 0.047 χ^2/NDF : 36.9/38

- sign 0.315 ± 0.068 χ^2/NDF : 11.5/19

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.080 χ^2 /NDF: 15.6/15

Left Out: -0.127 $\pm$ 0.160 χ^2 /NDF: 6.1/2

Right Out: 0.065 $\pm$ 0.081 χ^2 /NDF: 109.3/17

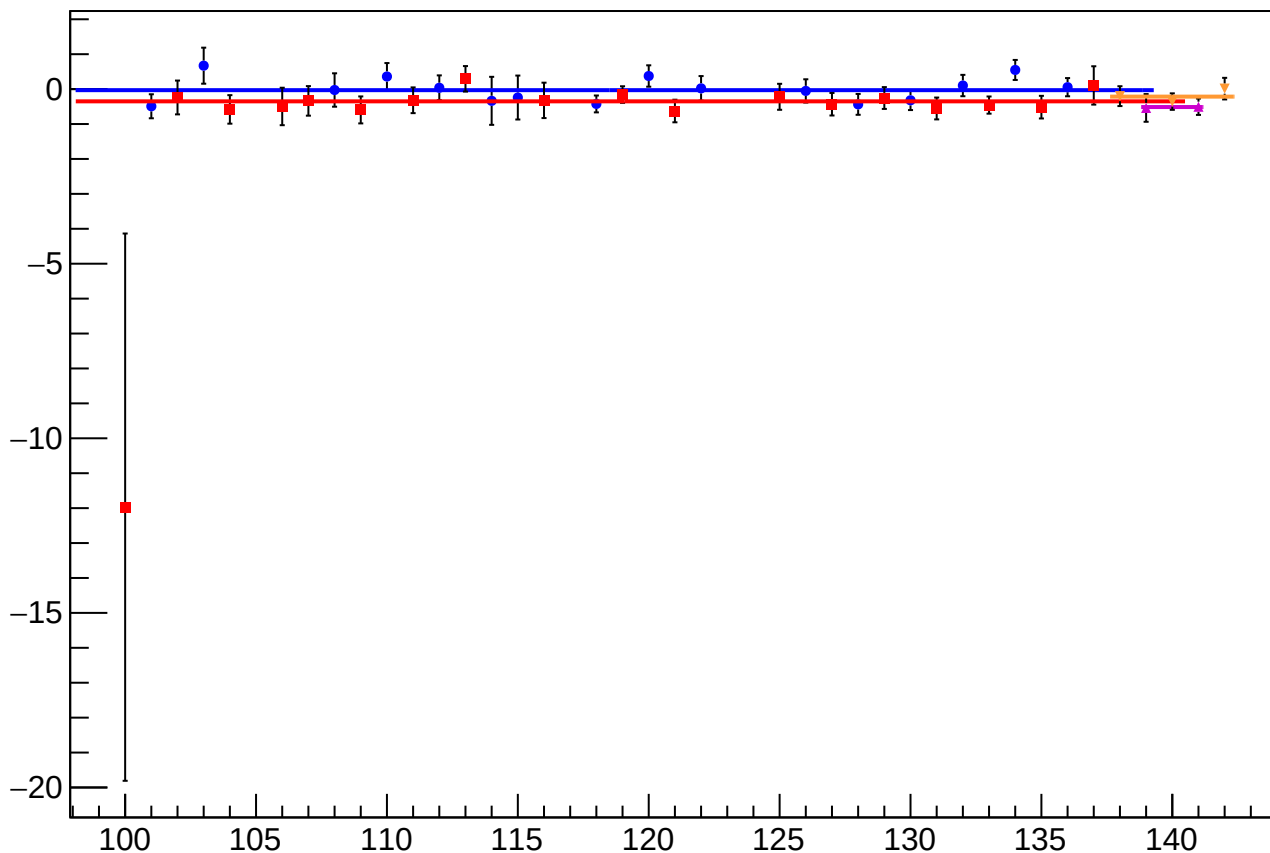
Left In: 0.055 $\pm$ 0.180 χ^2 /NDF: 0.3/1

+ sign 0.098 $\pm$ 0.071 χ^2 /NDF: 24.2/18

All: 0.081 $\pm$ 0.051 χ^2 /NDF: 133.9/38

- sign 0.064 $\pm$ 0.074 χ^2 /NDF: 109.6/19

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030 ± 0.084 χ^2/NDF : 16.8/15

Left Out: -0.215 ± 0.157 χ^2/NDF : 0.9/2

Right Out: -0.350 ± 0.085 χ^2/NDF : 9.4/17

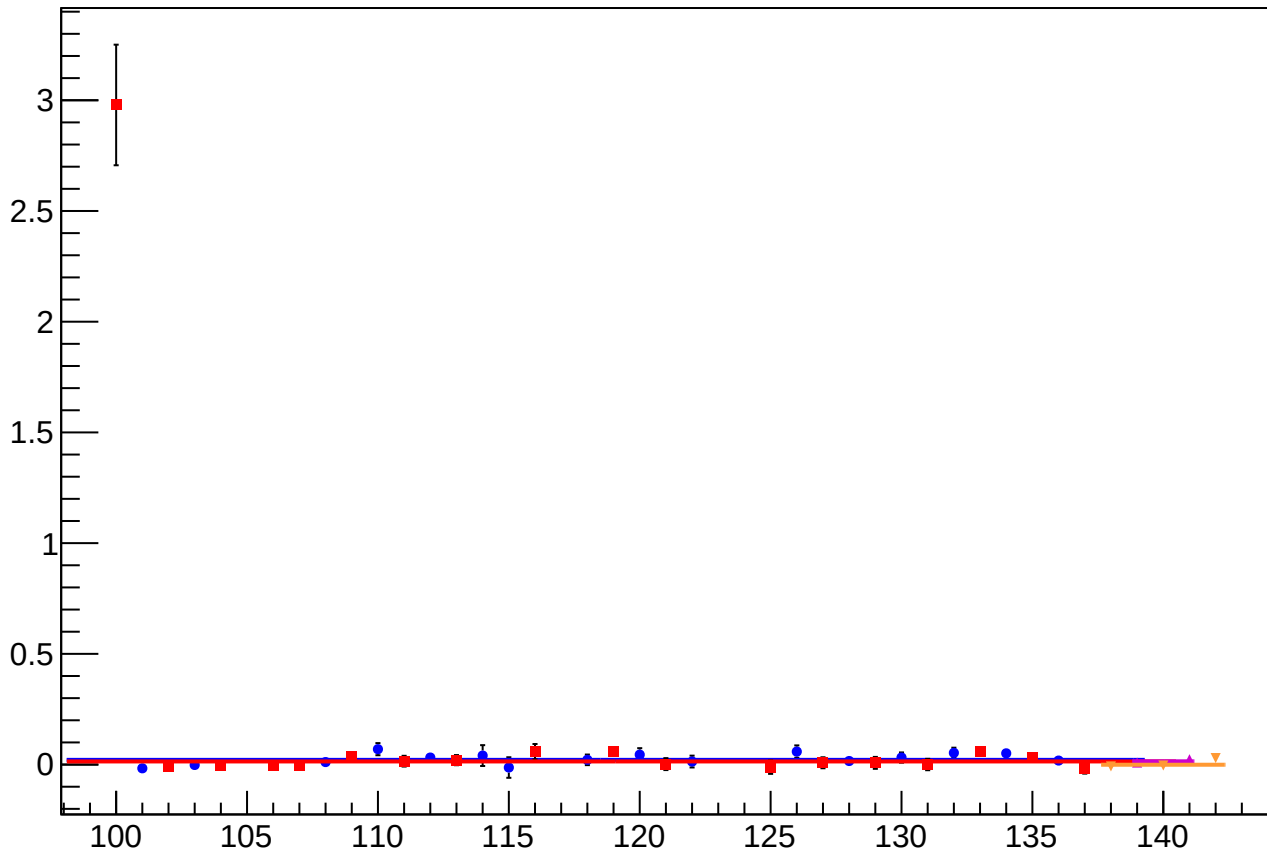
Left In: -0.513 ± 0.202 χ^2/NDF : 0.0/1

+ sign -0.071 ± 0.074 χ^2/NDF : 18.8/18

All: -0.214 ± 0.054 χ^2/NDF : 36.7/38

- sign -0.375 ± 0.078 χ^2/NDF : 10.0/19

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021 $\pm$ 0.005 χ^2 /NDF: 22.5/15

Left Out: -0.001 $\pm$ 0.007 χ^2 /NDF: 4.0/2

Right Out: 0.014 $\pm$ 0.005 χ^2 /NDF: 140.9/17

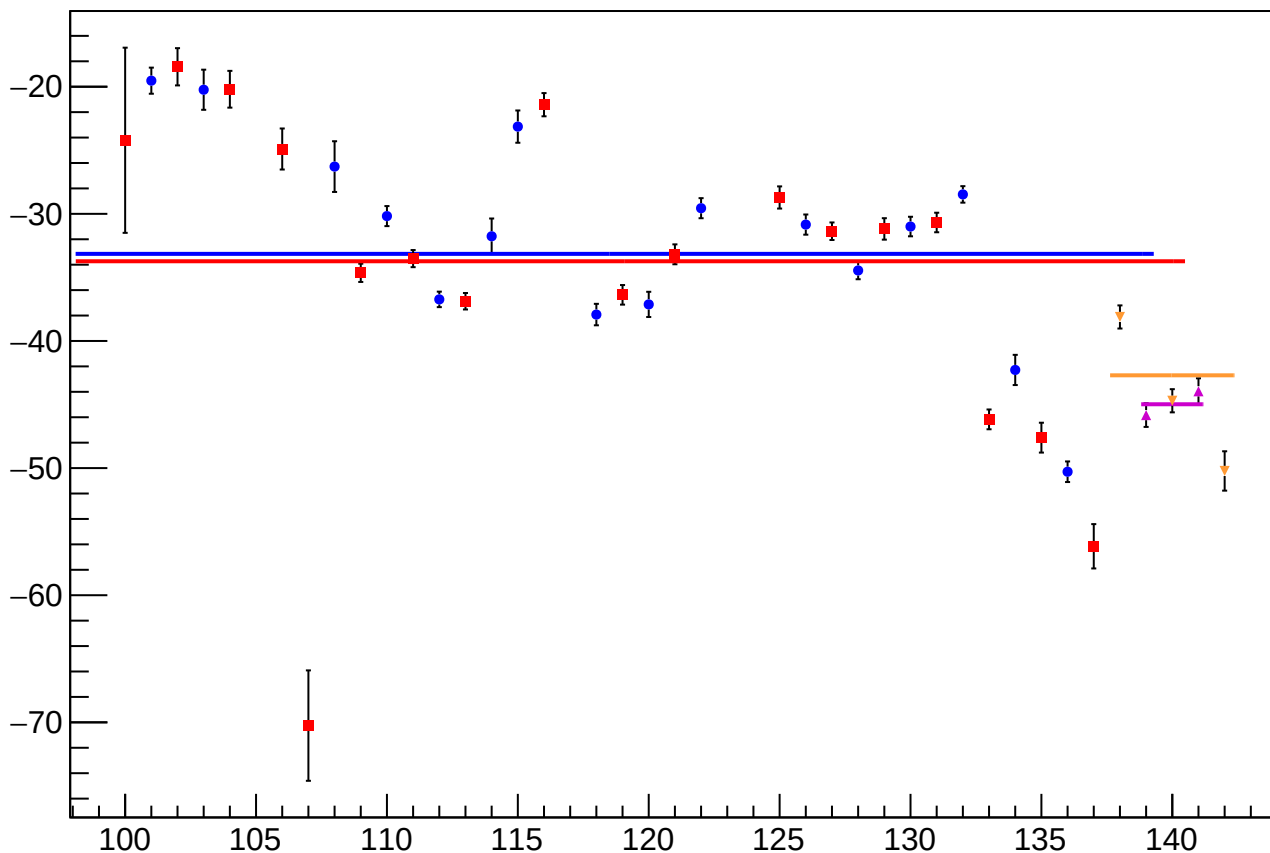
Left In: 0.015 $\pm$ 0.007 χ^2 /NDF: 1.2/1

+ sign 0.014 $\pm$ 0.004 χ^2 /NDF: 33.7/18

All: 0.014 $\pm$ 0.003 χ^2 /NDF: 175.8/38

- sign 0.014 $\pm$ 0.004 χ^2 /NDF: 142.1/19

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148 ± 0.218 χ^2/NDF : 1013.9/15

Left Out: -42.702 ± 0.594 χ^2/NDF : 53.9/2

Right Out: -33.730 ± 0.215 χ^2/NDF : 1148.4/17

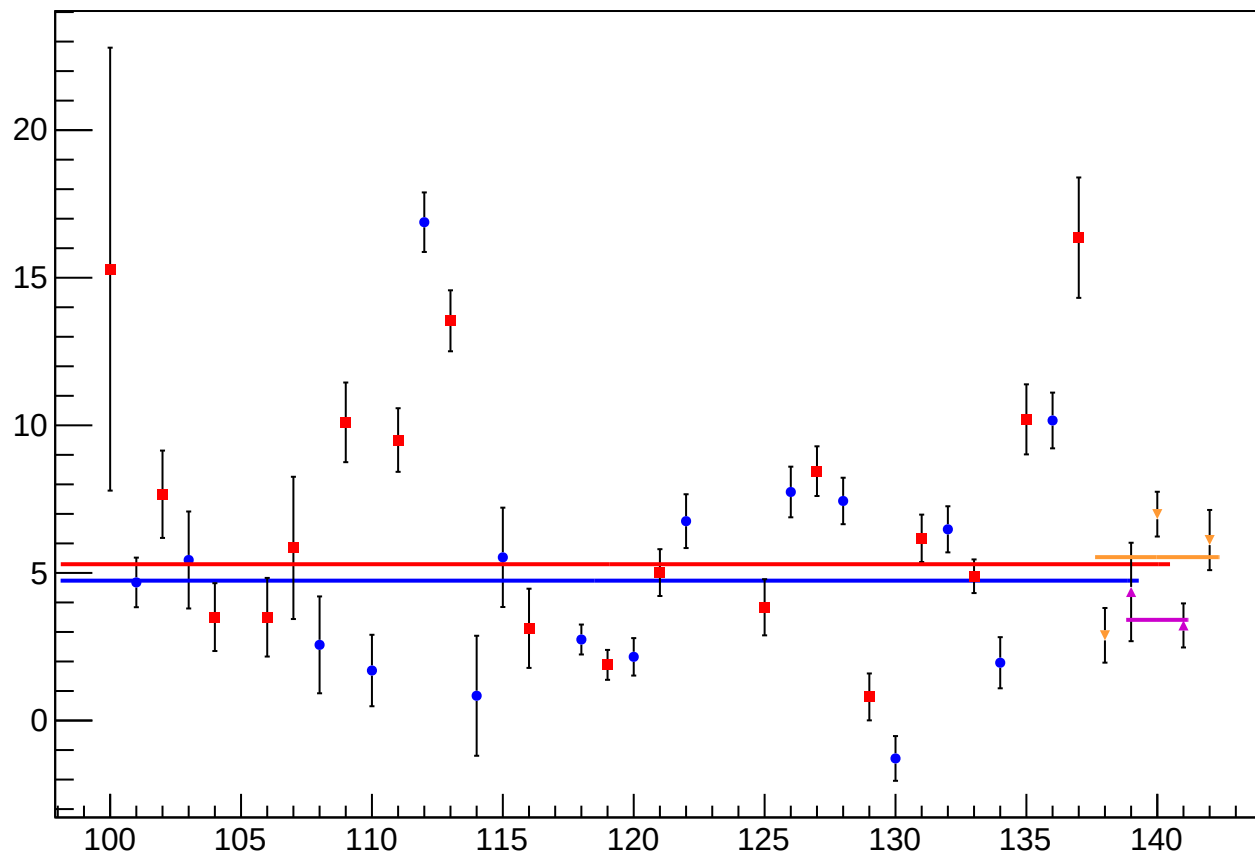
Left In: -44.978 ± 0.688 χ^2/NDF : 1.8/1

+ sign -34.280 ± 0.205 χ^2/NDF : 1295.5/18

All: -34.505 ± 0.145 χ^2/NDF : 2691.9/38

- sign -34.730 ± 0.205 χ^2/NDF : 1394.0/19

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738 $\pm$ 0.219 χ^2 /NDF: 329.6/15

Left Out: 5.535 $\pm$ 0.508 χ^2 /NDF:12.2/2

Right Out: 5.295 $\pm$ 0.223 χ^2 /NDF: 245.0/17

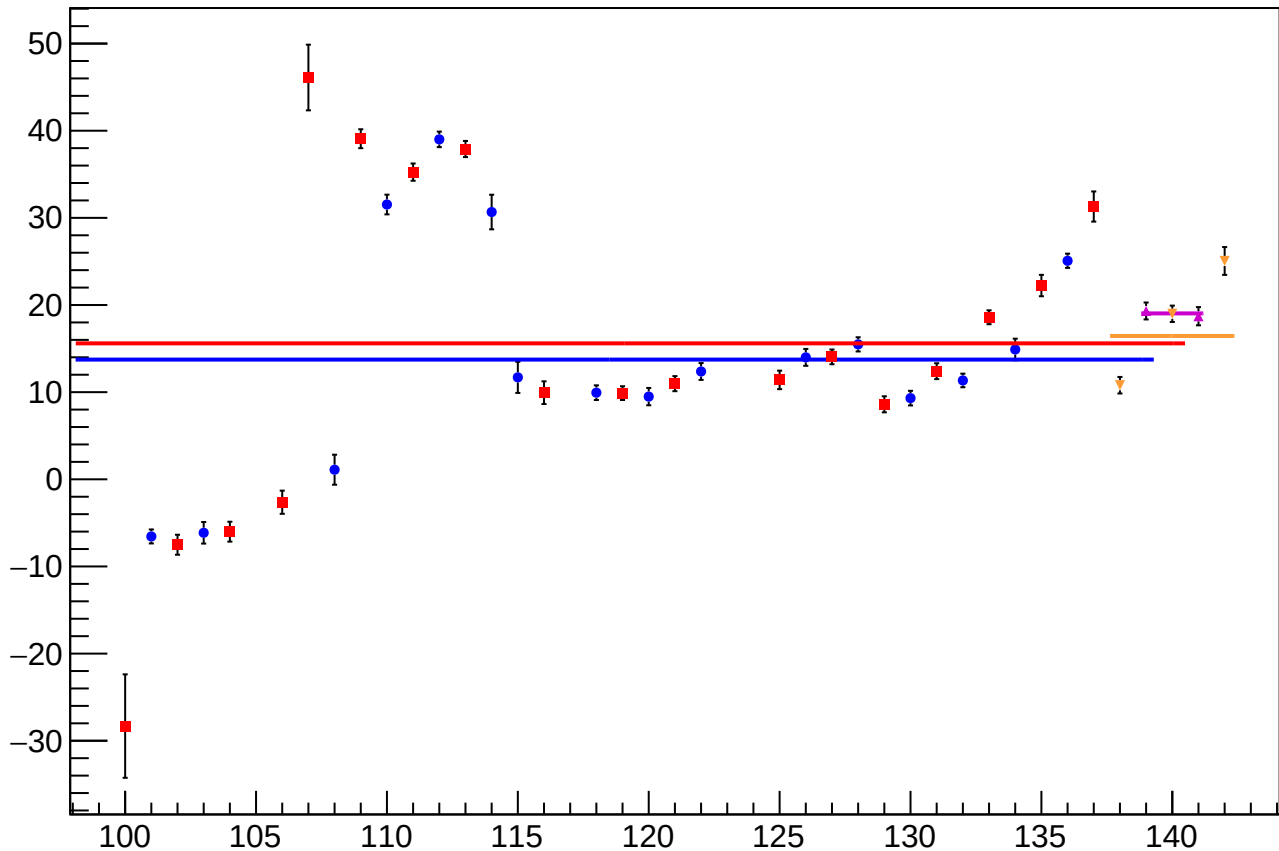
Left In: 3.411 $\pm$ 0.681 χ^2 /NDF:0.4/1

+ sign 4.863 $\pm$ 0.201 χ^2 /NDF: 343.8/18

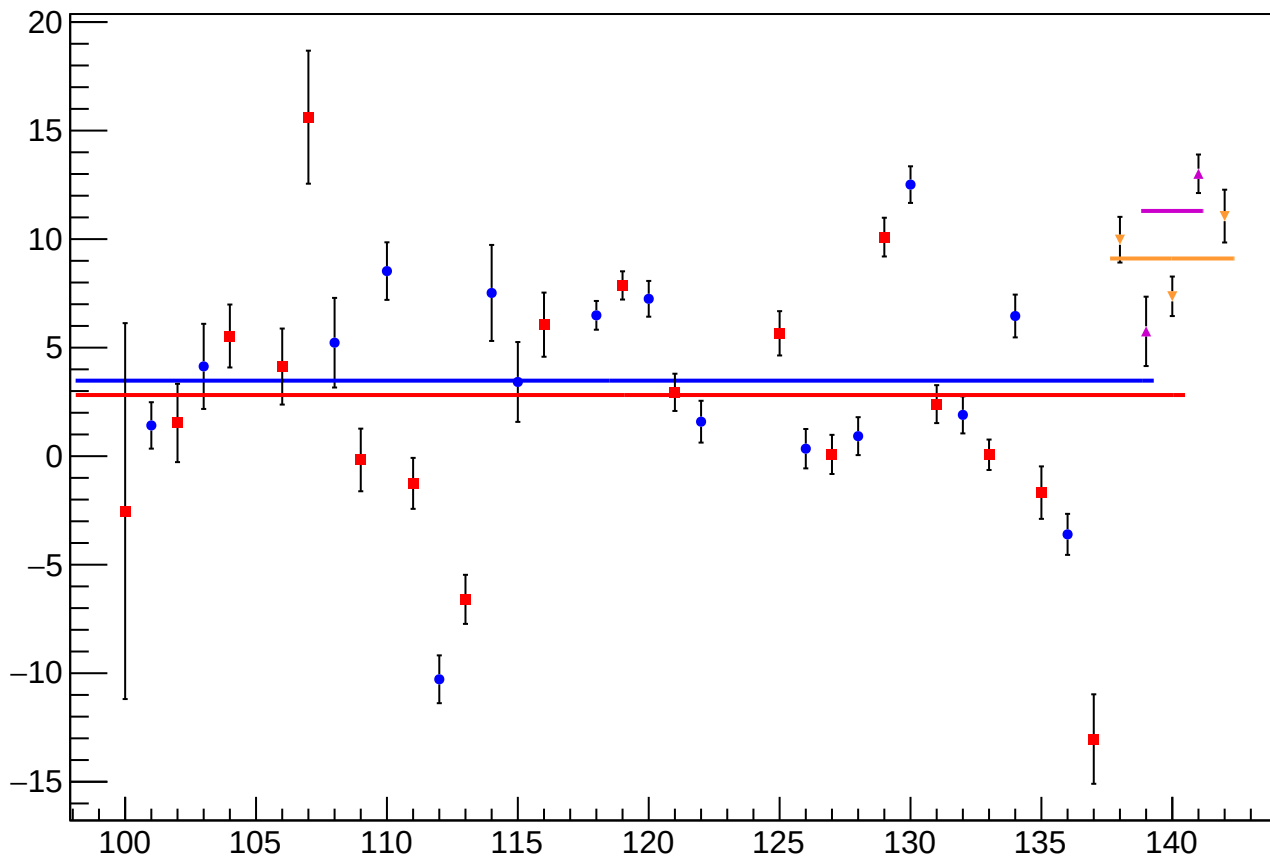
All: 4.981 $\pm$ 0.146 χ^2 /NDF: 596.9/38

- sign 5.112 $\pm$ 0.212 χ^2 /NDF: 252.3/19

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479 $\pm$ 0.254 χ^2/NDF : 427.6/15

Left Out: 9.107 $\pm$ 0.599 χ^2/NDF : 6.9/2

Right Out: 2.817 $\pm$ 0.257 χ^2/NDF : 345.3/17

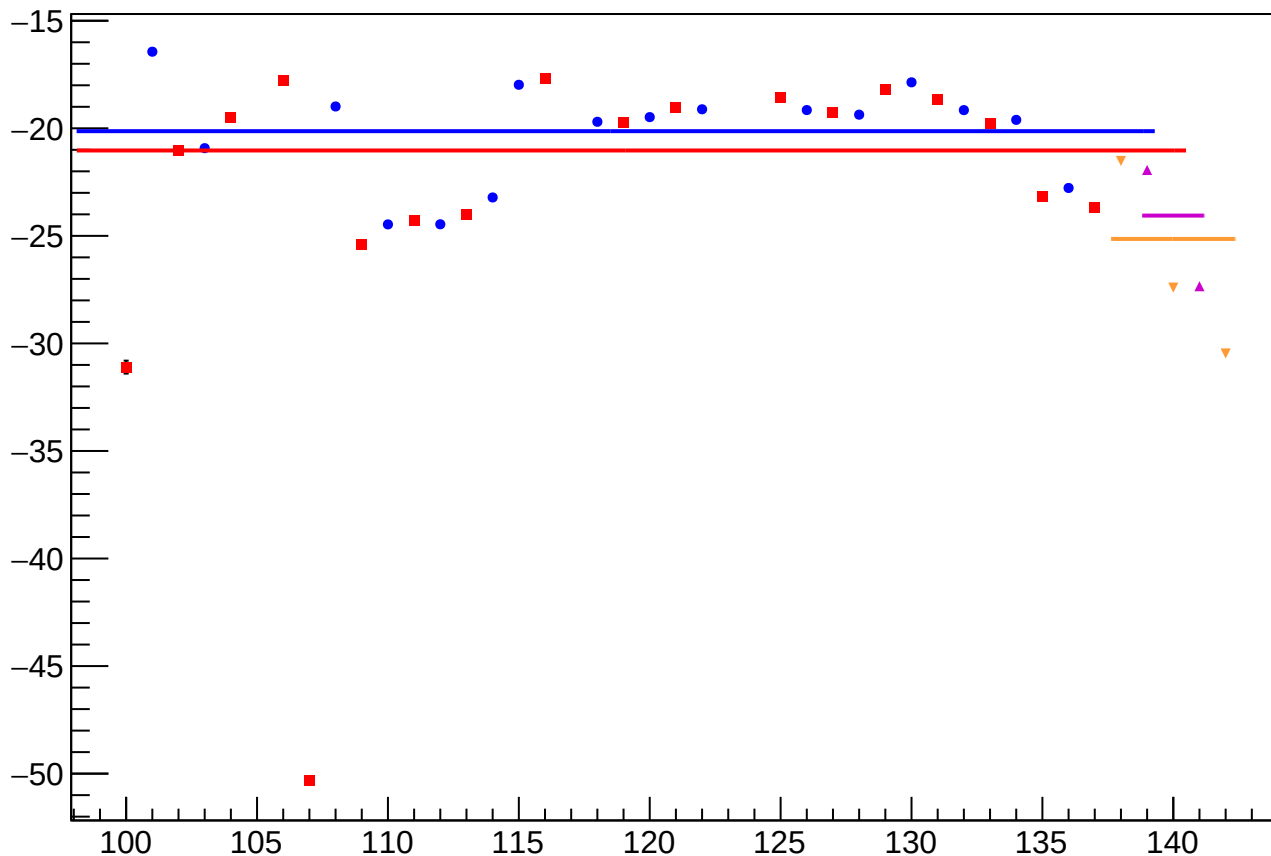
Left In: 11.298 $\pm$ 0.776 χ^2/NDF : 15.8/1

+ sign 4.335 $\pm$ 0.234 χ^2/NDF : 509.4/18

All: 4.011 $\pm$ 0.169 χ^2/NDF : 982.1/38

- sign 3.657 $\pm$ 0.244 χ^2/NDF : 468.7/19

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133 ± 0.016 χ^2/NDF : 19831.2/15

Left Out: -25.142 ± 0.026 χ^2/NDF : 18794.7/2

Right Out: -21.031 ± 0.016 χ^2/NDF : 57523.6/17

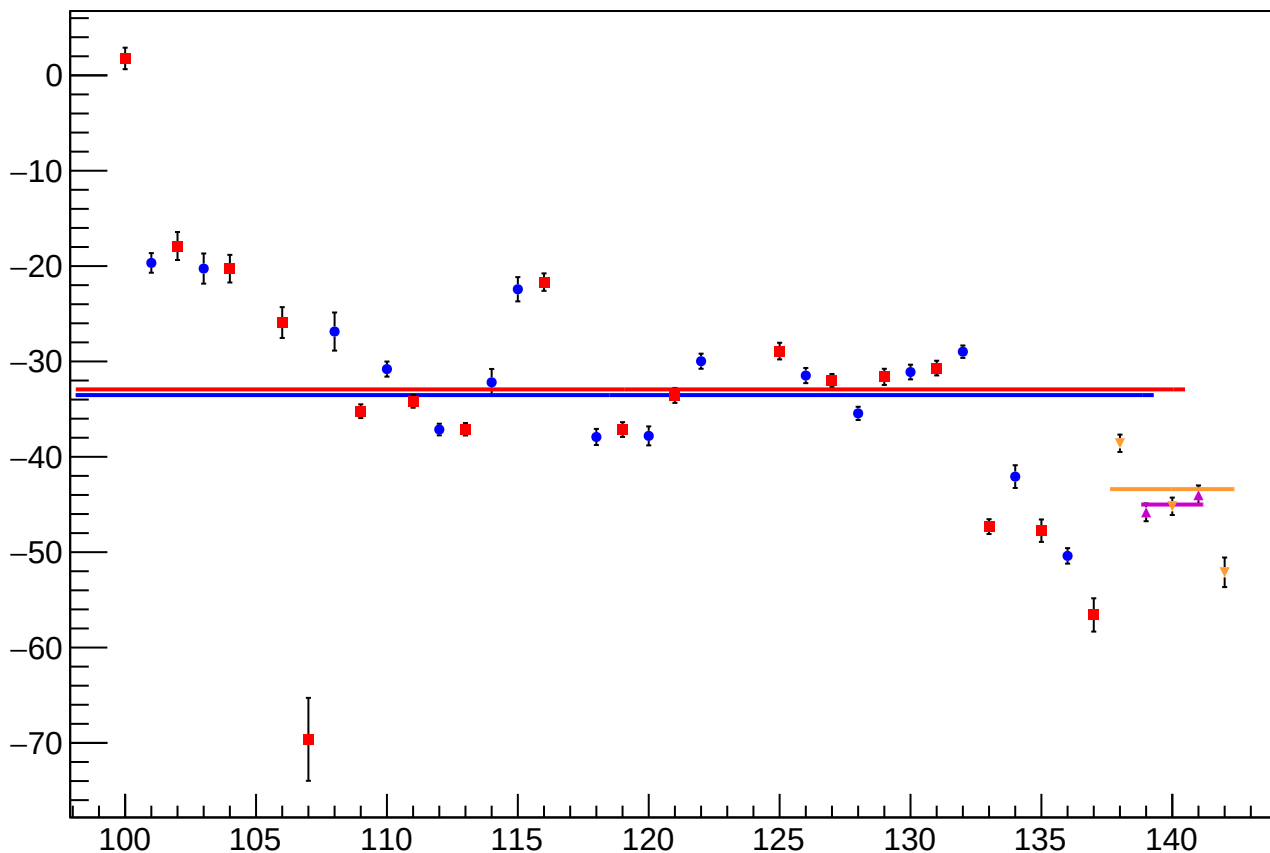
Left In: -24.058 ± 0.027 χ^2/NDF : 9666.8/1

+ sign -21.532 ± 0.014 χ^2/NDF : 65937.6/18

All: -21.689 ± 0.010 χ^2/NDF : 142651.1/38

- sign -21.857 ± 0.014 χ^2/NDF : 76435.4/19

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528 ± 0.218 $\chi^2/\text{NDF}: 1008.7/15$

Left Out: -43.388 ± 0.595 $\chi^2/\text{NDF}: 63.4/2$

Right Out: -32.931 ± 0.212 $\chi^2/\text{NDF}: 2170.0/17$

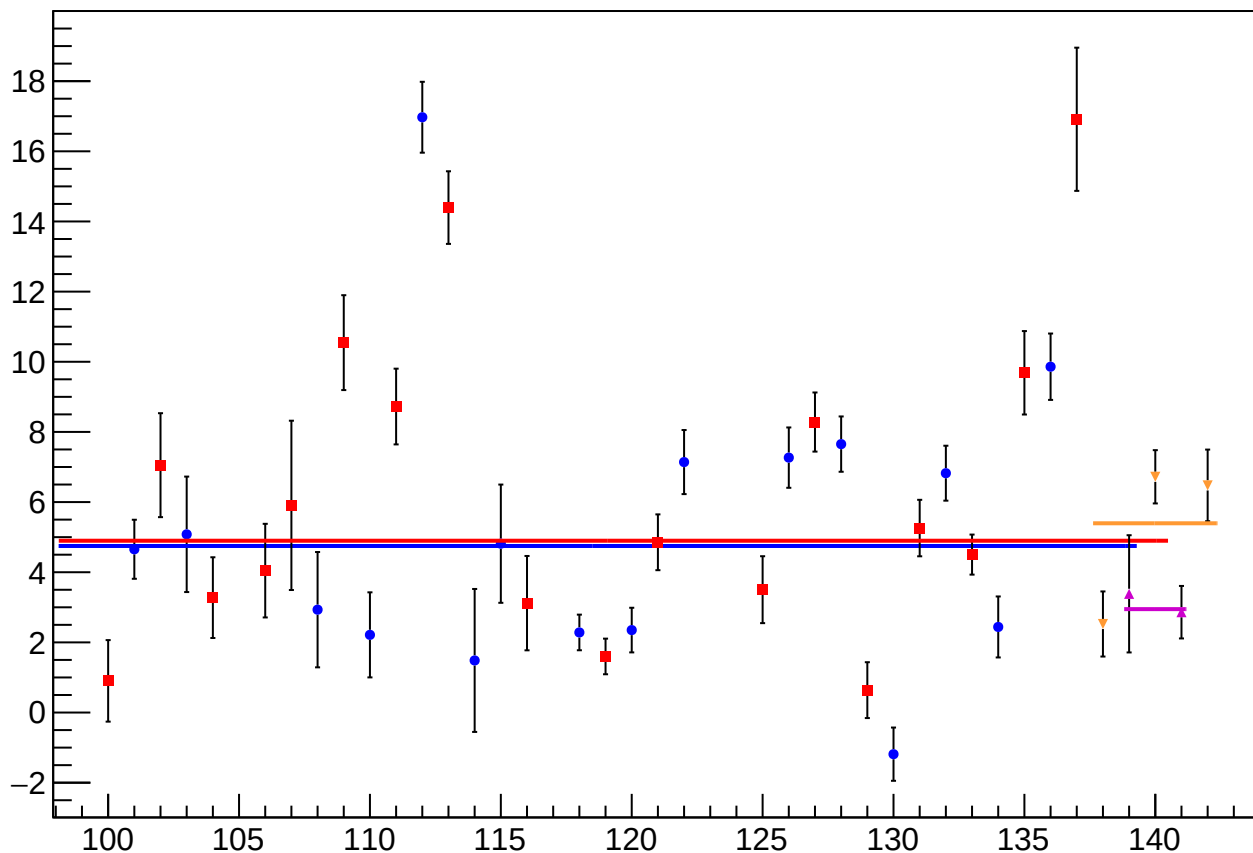
Left In: -45.004 ± 0.689 $\chi^2/\text{NDF}: 1.7/1$

+ sign -34.698 ± 0.205 $\chi^2/\text{NDF}: 1313.7/18$

All: -34.329 ± 0.144 $\chi^2/\text{NDF}: 3772.1/38$

- sign -33.970 ± 0.202 $\chi^2/\text{NDF}: 2452.0/19$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748 $\pm$ 0.220 χ^2 /NDF: 325.7/15

Left Out: 5.395 $\pm$ 0.509 χ^2 /NDF:13.7/2

Right Out: 4.898 $\pm$ 0.220 χ^2 /NDF: 273.1/17

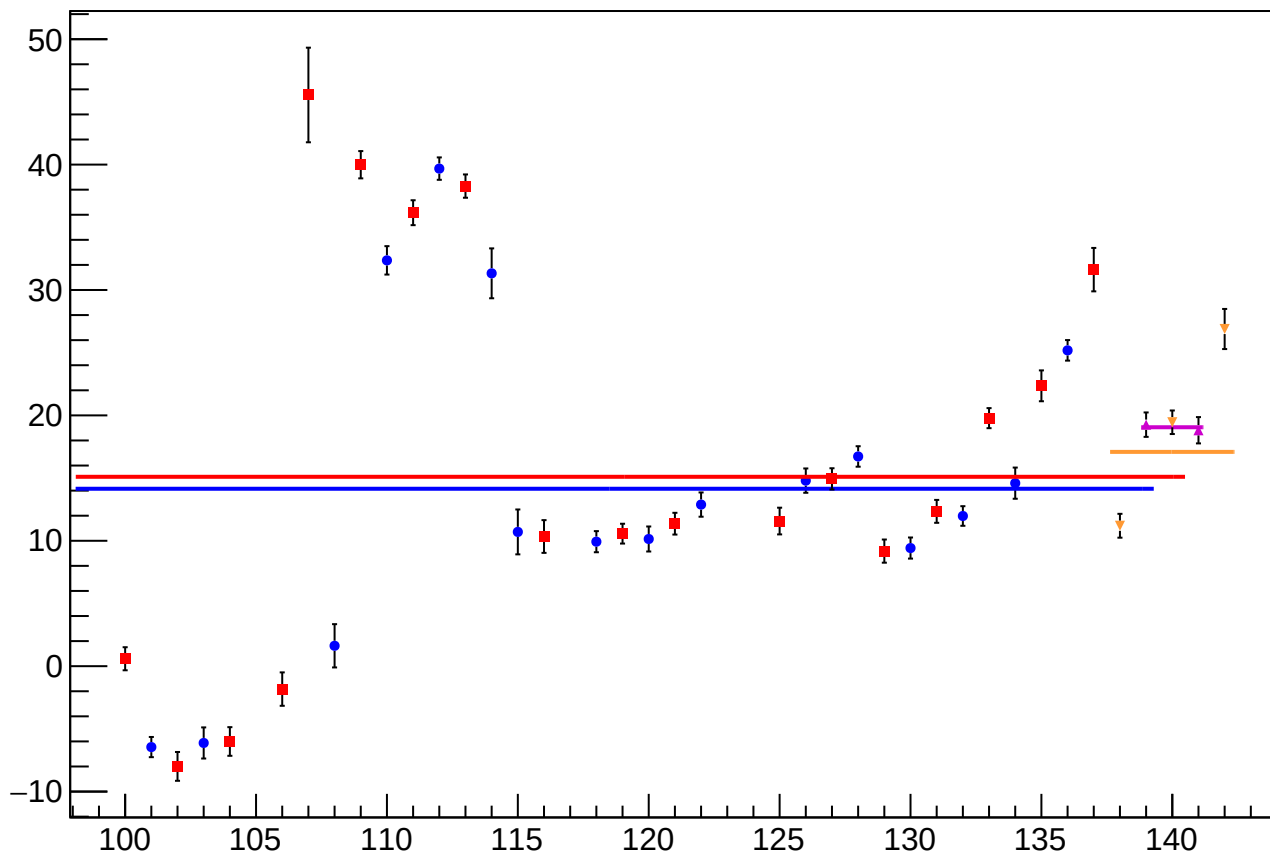
Left In: 2.948 $\pm$ 0.683 χ^2 /NDF:0.1/1

+ sign 4.850 $\pm$ 0.202 χ^2 /NDF: 340.8/18

All: 4.785 $\pm$ 0.145 χ^2 /NDF: 621.5/38

- sign 4.715 $\pm$ 0.209 χ^2 /NDF: 280.5/19

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149 $\pm$ 0.247 χ^2/NDF : 2402.4/15

Left Out: 17.089 $\pm$ 0.616 χ^2/NDF : 82.3/2

Right Out: 15.103 $\pm$ 0.242 χ^2/NDF : 3102.3/17

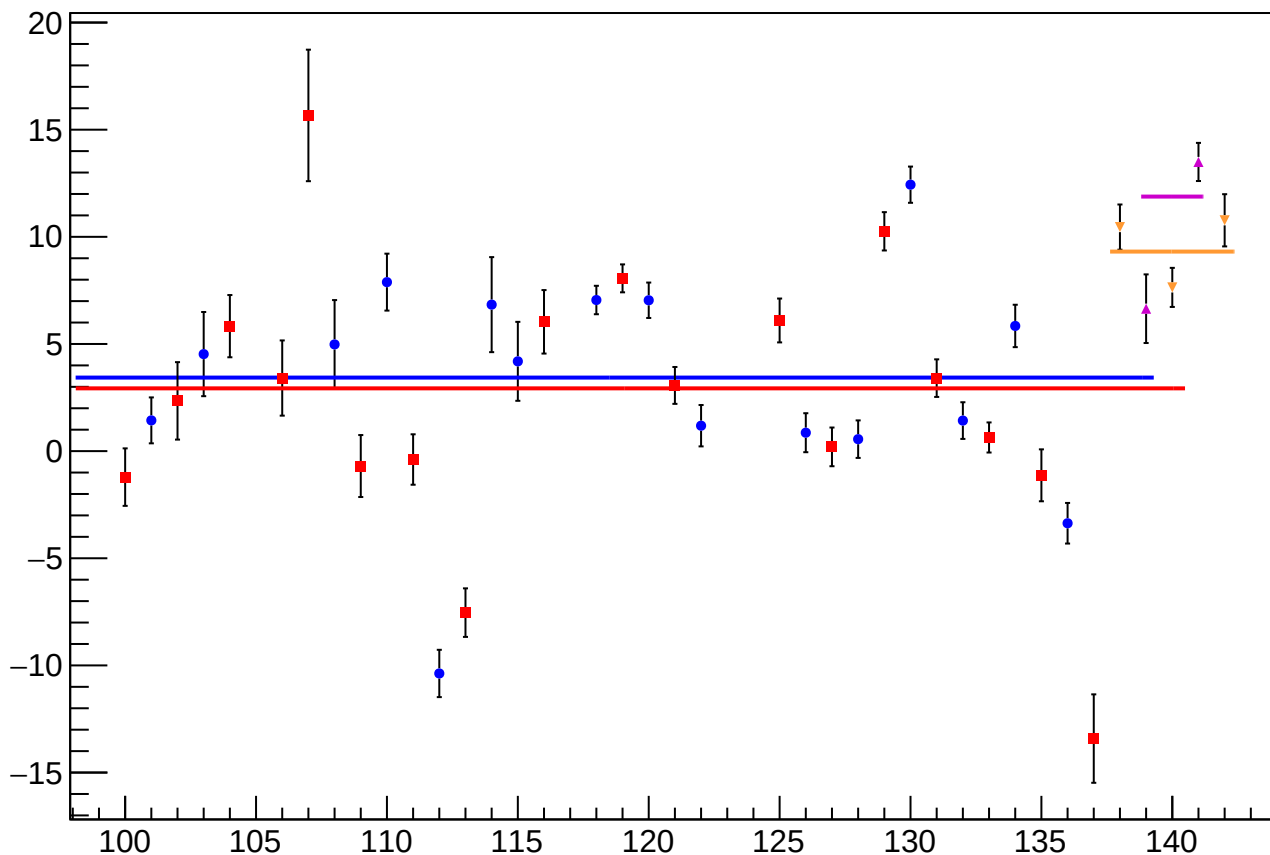
Left In: 19.054 $\pm$ 0.714 χ^2/NDF : 0.1/1

+ sign 14.557 $\pm$ 0.229 χ^2/NDF : 2504.2/18

All: 15.034 $\pm$ 0.162 χ^2/NDF : 5642.7/38

- sign 15.511 $\pm$ 0.229 χ^2/NDF : 3129.9/19

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432 ± 0.254 χ^2/NDF : 424.0/15

Left Out: 9.312 ± 0.600 χ^2/NDF : 6.0/2

Right Out: 2.929 ± 0.253 χ^2/NDF : 367.7/17

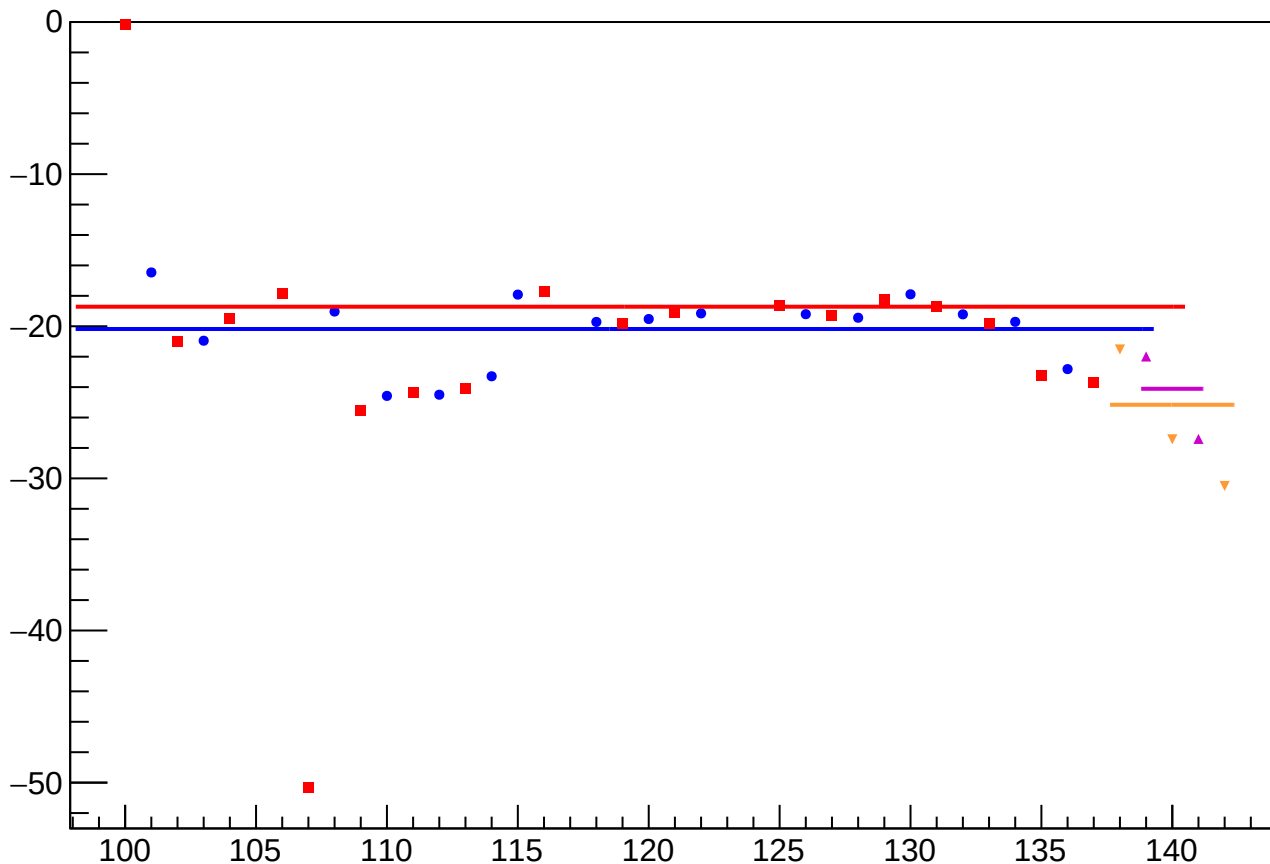
Left In: 11.878 ± 0.778 χ^2/NDF : 14.0/1

+ sign 4.326 ± 0.234 χ^2/NDF : 511.4/18

All: 4.064 ± 0.168 χ^2/NDF : 1015.3/38

- sign 3.787 ± 0.241 χ^2/NDF : 501.4/19

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180 ± 0.016 $\chi^2/\text{NDF}: 19856.9/15$

Left Out: -25.161 ± 0.026 $\chi^2/\text{NDF}: 18836.4/2$

Right Out: -18.714 ± 0.016 $\chi^2/\text{NDF}: 234667.0/17$

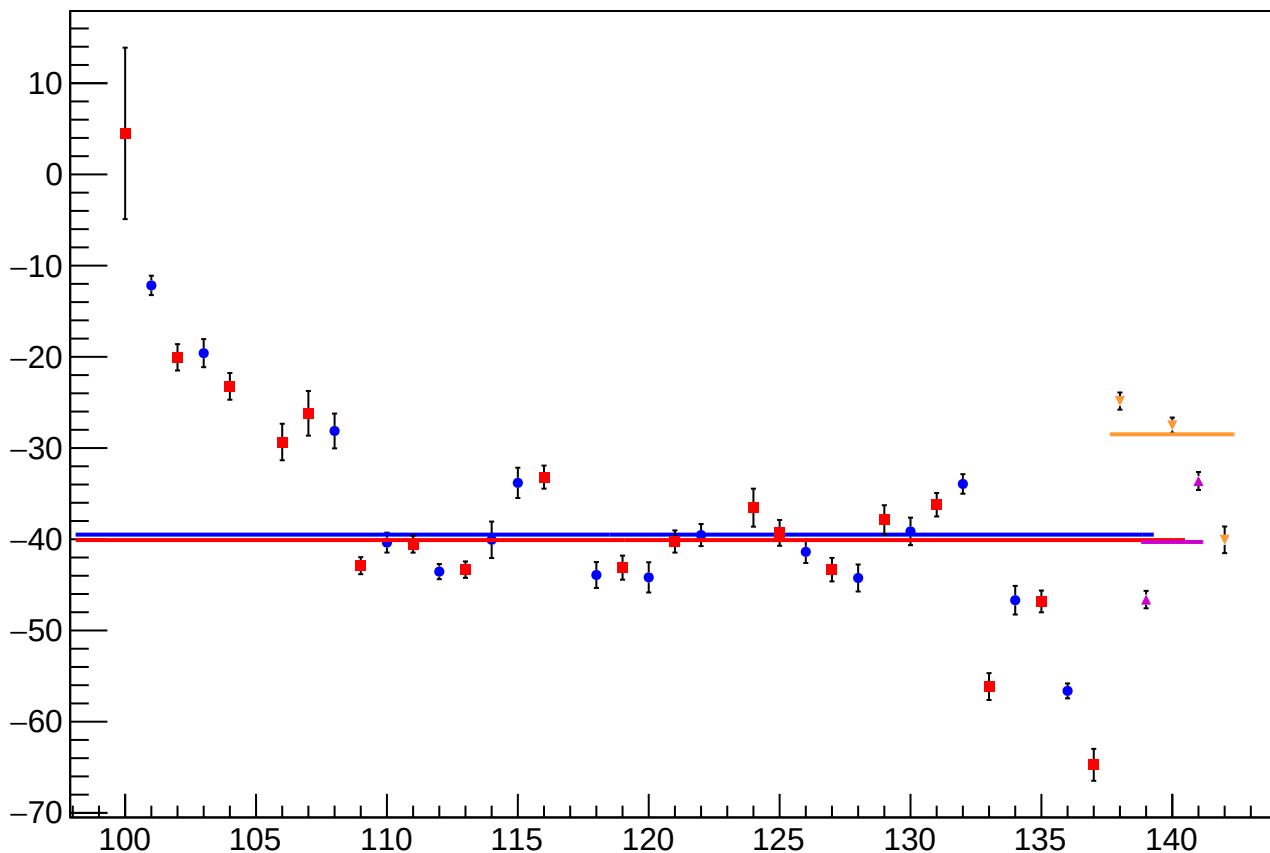
Left In: -24.111 ± 0.027 $\chi^2/\text{NDF}: 9665.1/1$

+ sign -21.572 ± 0.014 $\chi^2/\text{NDF}: 65594.5/18$

All: -20.811 ± 0.010 $\chi^2/\text{NDF}: 346232.3/38$

- sign -20.067 ± 0.013 $\chi^2/\text{NDF}: 274473.2/19$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493 ± 0.311 $\chi^2/\text{NDF}: 1417.1/15$

Left Out: -28.495 ± 0.583 $\chi^2/\text{NDF}: 79.0/2$

Right Out: -40.090 ± 0.307 $\chi^2/\text{NDF}: 834.9/18$

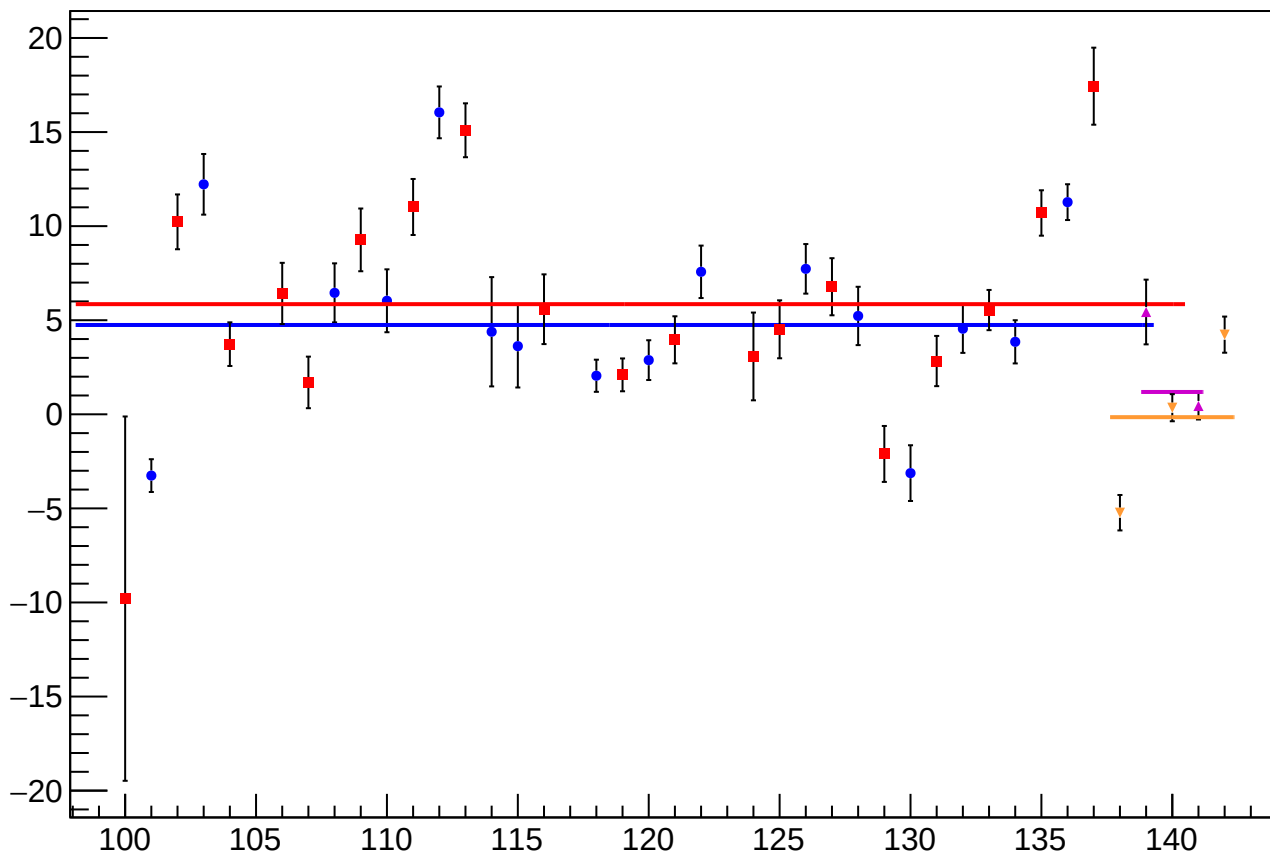
Left In: -40.295 ± 0.685 $\chi^2/\text{NDF}: 90.1/1$

+ sign -37.064 ± 0.274 $\chi^2/\text{NDF}: 1772.9/18$

All: -38.561 ± 0.196 $\chi^2/\text{NDF}: 2758.9/39$

- sign -40.124 ± 0.280 $\chi^2/\text{NDF}: 925.1/20$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747 ± 0.316 χ^2/NDF : 273.8/15

Left Out: -0.152 ± 0.492 χ^2/NDF : 50.4/2

Right Out: 5.854 ± 0.324 χ^2/NDF : 187.6/18

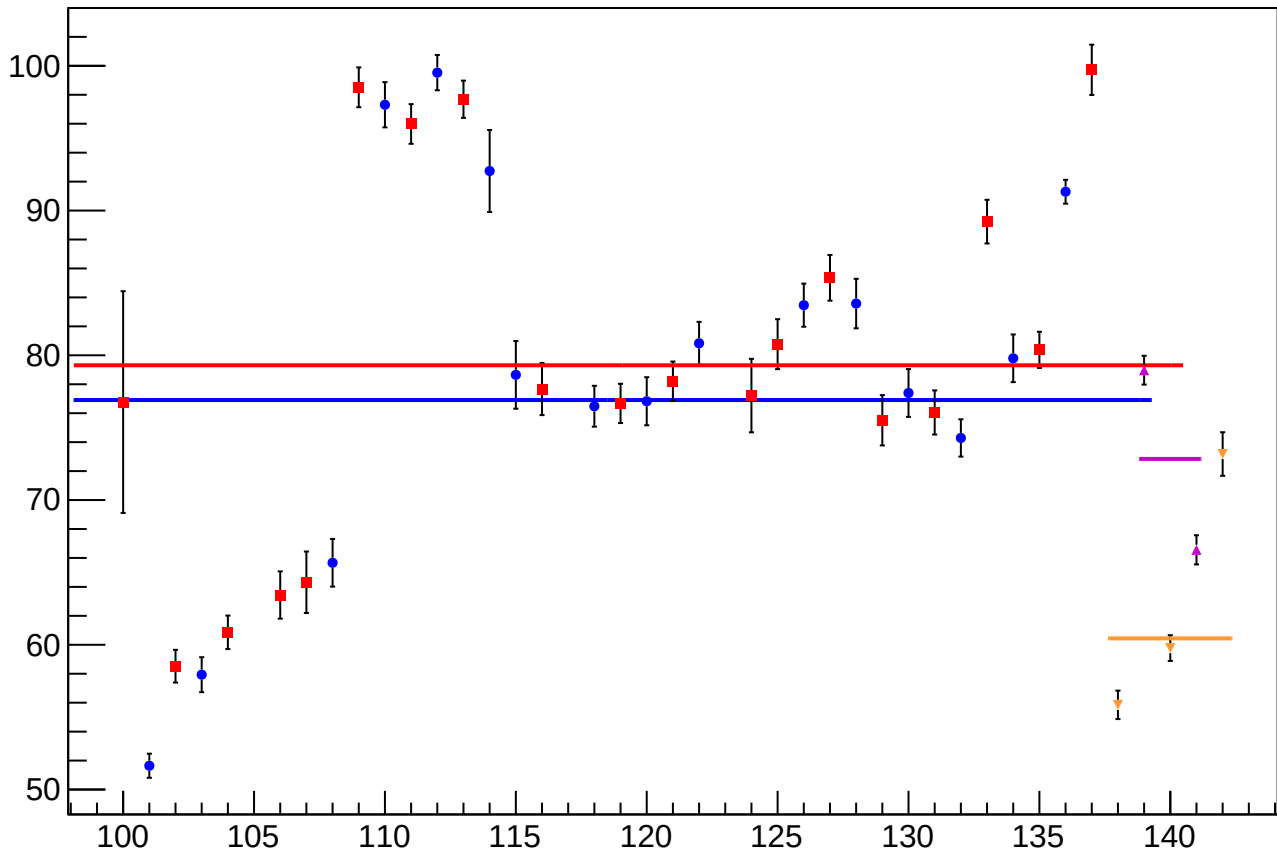
Left In: 1.187 ± 0.664 χ^2/NDF : 7.2/1

+ sign 3.315 ± 0.266 χ^2/NDF : 394.5/18

All: 4.061 ± 0.196 χ^2/NDF : 646.6/39

- sign 4.956 ± 0.291 χ^2/NDF : 234.7/20

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909 $\pm$ 0.337 χ^2 /NDF: 2116.0/15

Left Out: 60.444 $\pm$ 0.604 χ^2 /NDF: 94.0/2

Right Out: 79.311 $\pm$ 0.348 χ^2 /NDF: 1496.4/18

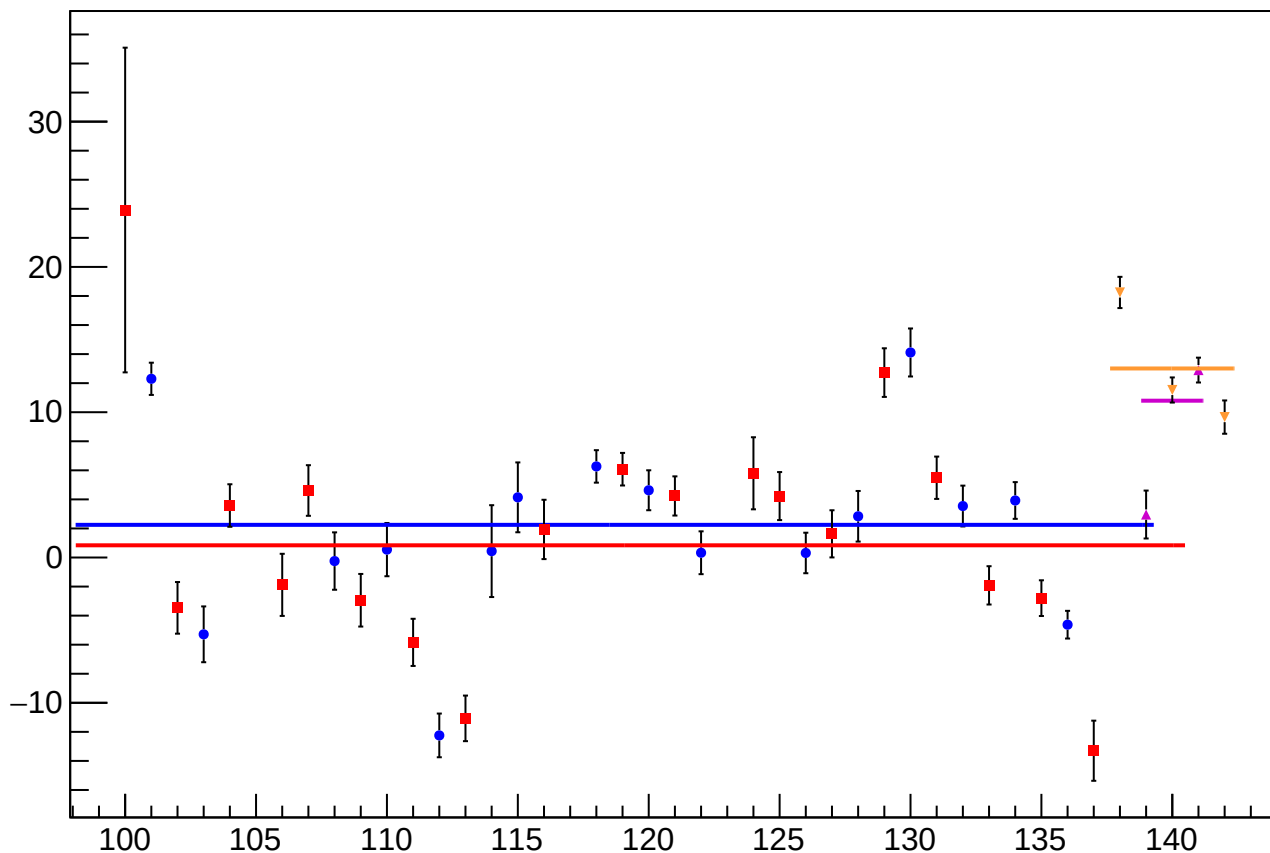
Left In: 72.842 $\pm$ 0.708 χ^2 /NDF: 76.8/1

+ sign 72.999 $\pm$ 0.294 χ^2 /NDF: 2777.3/18

All: 75.376 $\pm$ 0.214 χ^2 /NDF: 4556.5/39

- sign 78.053 $\pm$ 0.312 χ^2 /NDF: 1640.3/20

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248 ± 0.363 χ^2/NDF : 319.6/15

Left Out: 13.011 ± 0.581 χ^2/NDF : 35.2/2

Right Out: 0.840 ± 0.372 χ^2/NDF : 256.2/18

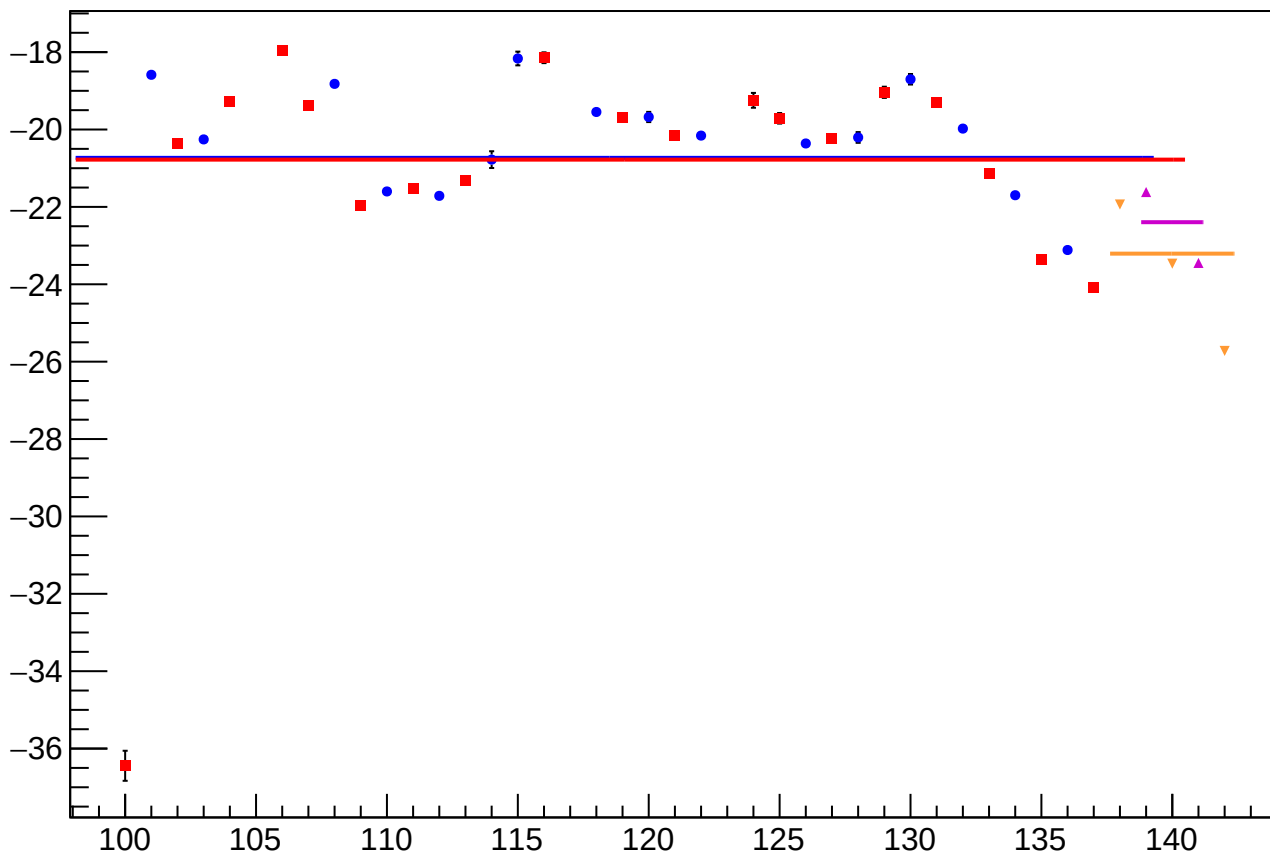
Left In: 10.793 ± 0.759 χ^2/NDF : 28.7/1

+ sign 5.272 ± 0.308 χ^2/NDF : 601.7/18

All: 4.122 ± 0.226 χ^2/NDF : 1055.5/39

- sign 2.768 ± 0.334 χ^2/NDF : 423.5/20

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732 ± 0.019 χ^2/NDF : 7634.1/15

Left Out: -23.208 ± 0.025 χ^2/NDF : 2755.7/2

Right Out: -20.778 ± 0.020 χ^2/NDF : 9426.6/18

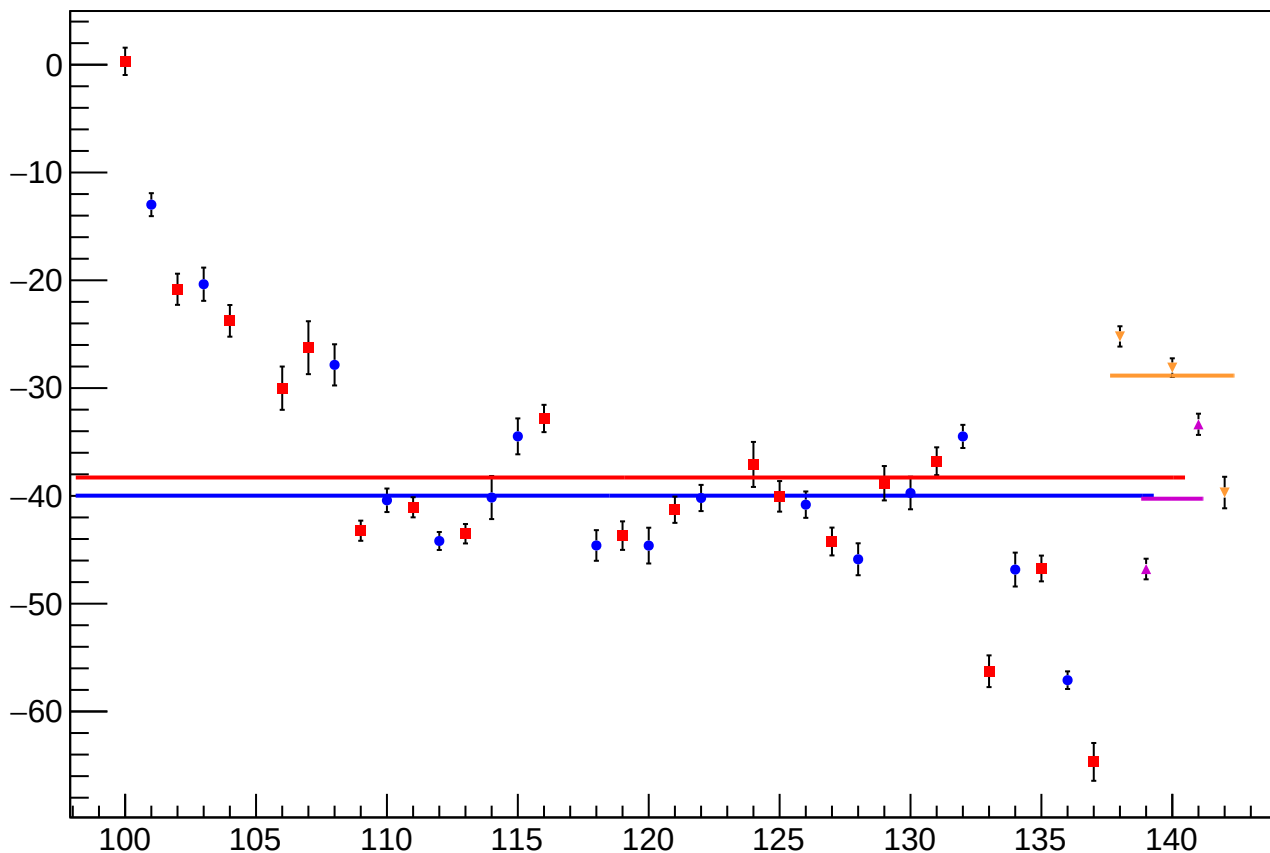
Left In: -22.395 ± 0.027 χ^2/NDF : 1132.8/1

+ sign -21.646 ± 0.015 χ^2/NDF : 16388.3/18

All: -21.510 ± 0.011 χ^2/NDF : 29421.4/39

- sign -21.361 ± 0.016 χ^2/NDF : 12869.3/20

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979 ± 0.311 χ^2/NDF : 1398.4/15

Left Out: -28.842 ± 0.585 χ^2/NDF : 70.7/2

Right Out: -38.295 ± 0.299 χ^2/NDF : 1773.8/18

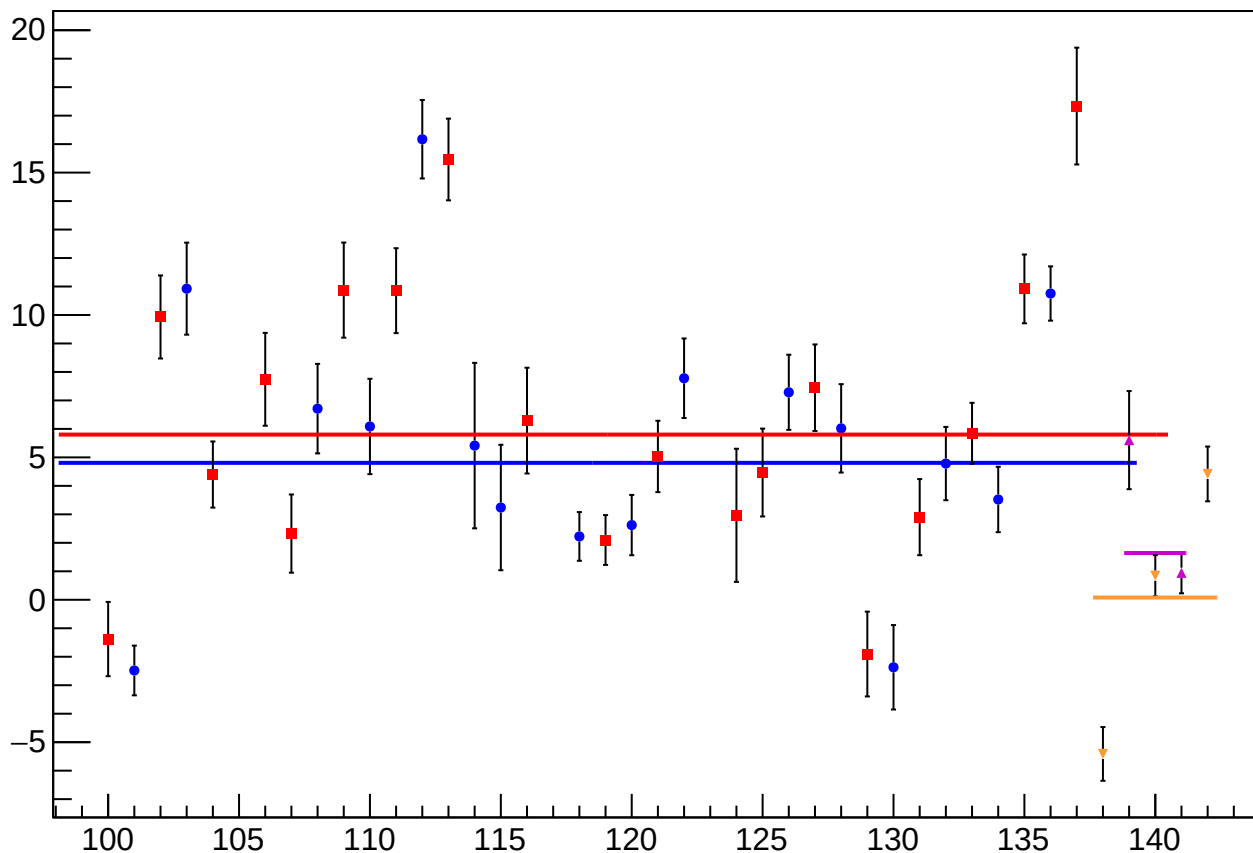
Left In: -40.262 ± 0.686 χ^2/NDF : 95.7/1

+ sign -37.521 ± 0.275 χ^2/NDF : 1752.0/18

All: -38.066 ± 0.194 χ^2/NDF : 3636.1/39

- sign -38.609 ± 0.274 χ^2/NDF : 1876.3/20

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808 ± 0.316 $\chi^2/\text{NDF}: 240.5/15$

Left Out: 0.078 ± 0.492 $\chi^2/\text{NDF}: 55.4/2$

Right Out: 5.801 ± 0.315 $\chi^2/\text{NDF}: 216.4/18$

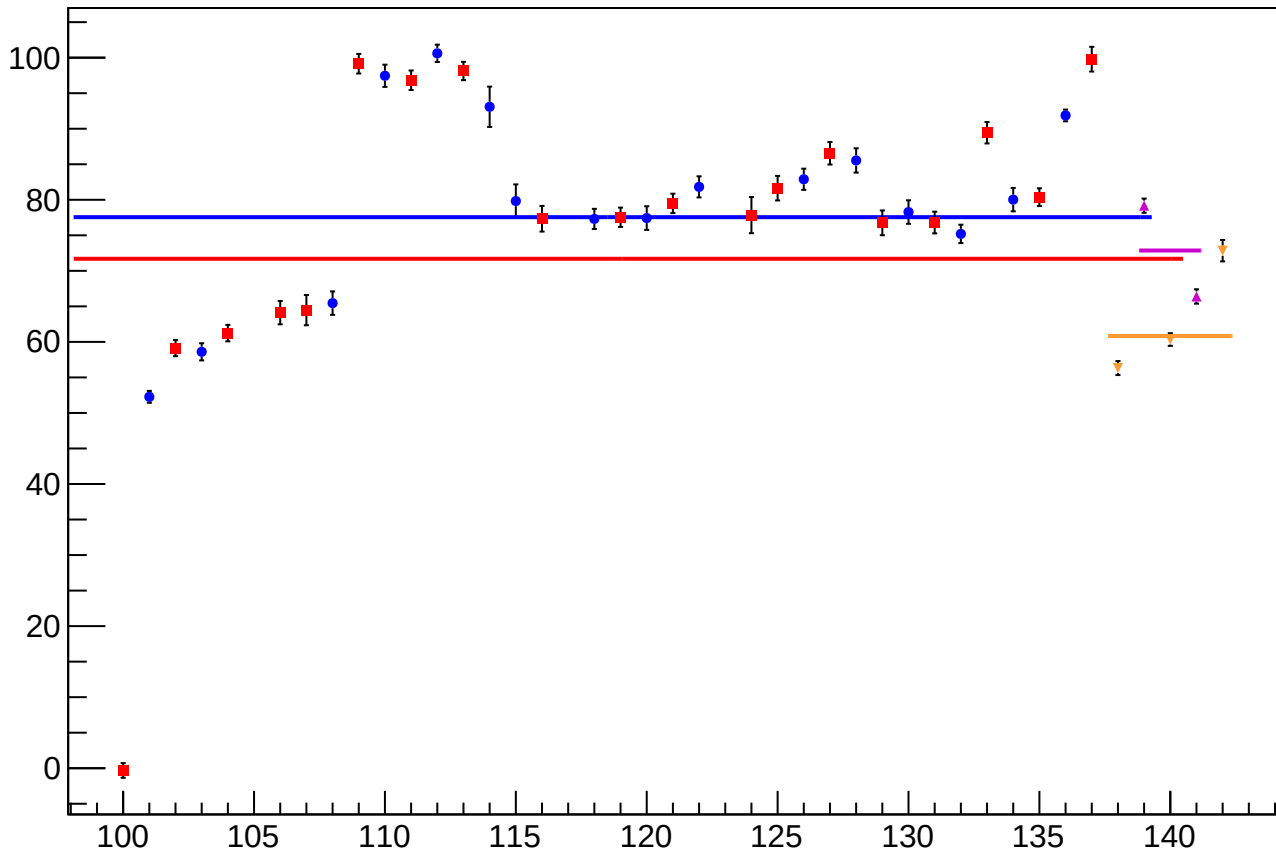
Left In: 1.642 ± 0.665 $\chi^2/\text{NDF}: 6.2/1$

+ sign 3.426 ± 0.266 $\chi^2/\text{NDF}: 361.2/18$

All: 4.178 ± 0.194 $\chi^2/\text{NDF}: 632.9/39$

- sign 5.039 ± 0.285 $\chi^2/\text{NDF}: 254.6/20$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554 $\pm$ 0.337 χ^2 /NDF: 2118.3/15

Left Out: 60.826 $\pm$ 0.605 χ^2 /NDF: 84.8/2

Right Out: 71.699 $\pm$ 0.330 χ^2 /NDF: 6903.5/18

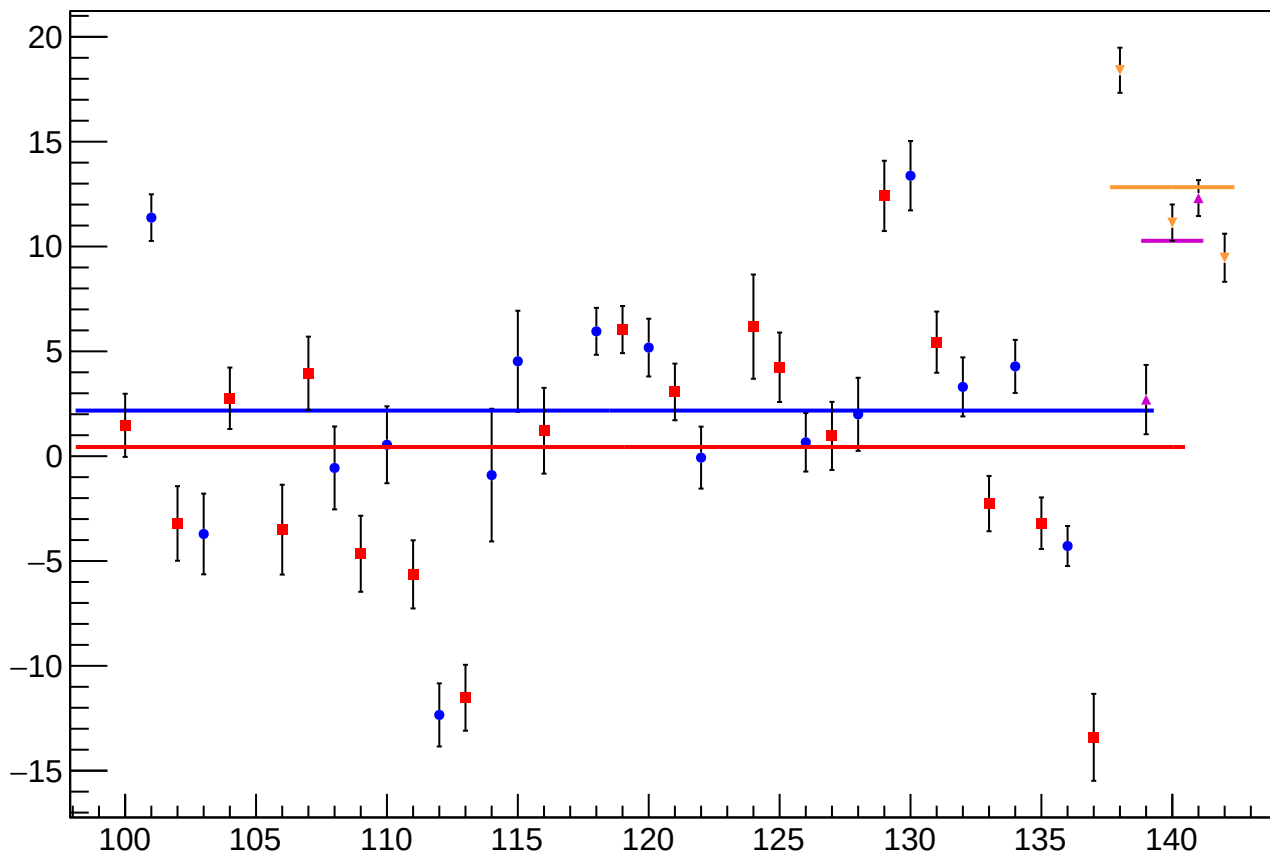
Left In: 72.861 $\pm$ 0.710 χ^2 /NDF: 81.0/1

+ sign 73.584 $\pm$ 0.295 χ^2 /NDF: 2786.5/18

All: 72.759 $\pm$ 0.210 χ^2 /NDF: 9789.3/39

- sign 71.906 $\pm$ 0.300 χ^2 /NDF: 6986.8/20

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175 $\pm$ 0.364 χ^2 /NDF: 290.3/15

Left Out: 12.830 $\pm$ 0.582 χ^2 /NDF: 39.2/2

Right Out: 0.438 $\pm$ 0.362 χ^2 /NDF: 254.1/18

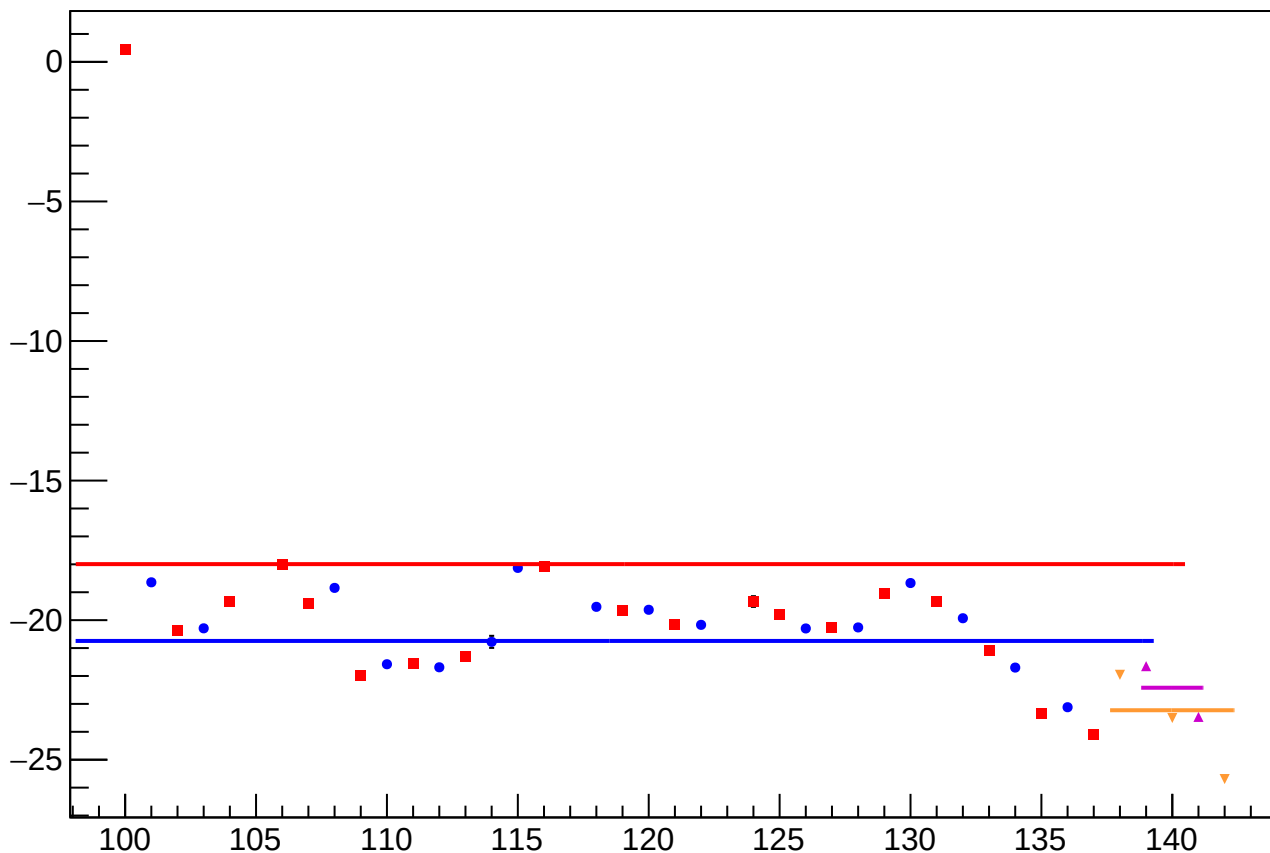
Left In: 10.272 $\pm$ 0.761 χ^2 /NDF: 26.7/1

+ sign 5.167 $\pm$ 0.308 χ^2 /NDF: 570.7/18

All: 3.795 $\pm$ 0.224 χ^2 /NDF: 1029.9/39

- sign 2.253 $\pm$ 0.327 χ^2 /NDF: 417.1/20

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745 ± 0.019 χ^2/NDF : 7513.6/15

Left Out: -23.228 ± 0.025 χ^2/NDF : 2688.3/2

Right Out: -17.993 ± 0.019 χ^2/NDF : 150579.1/18

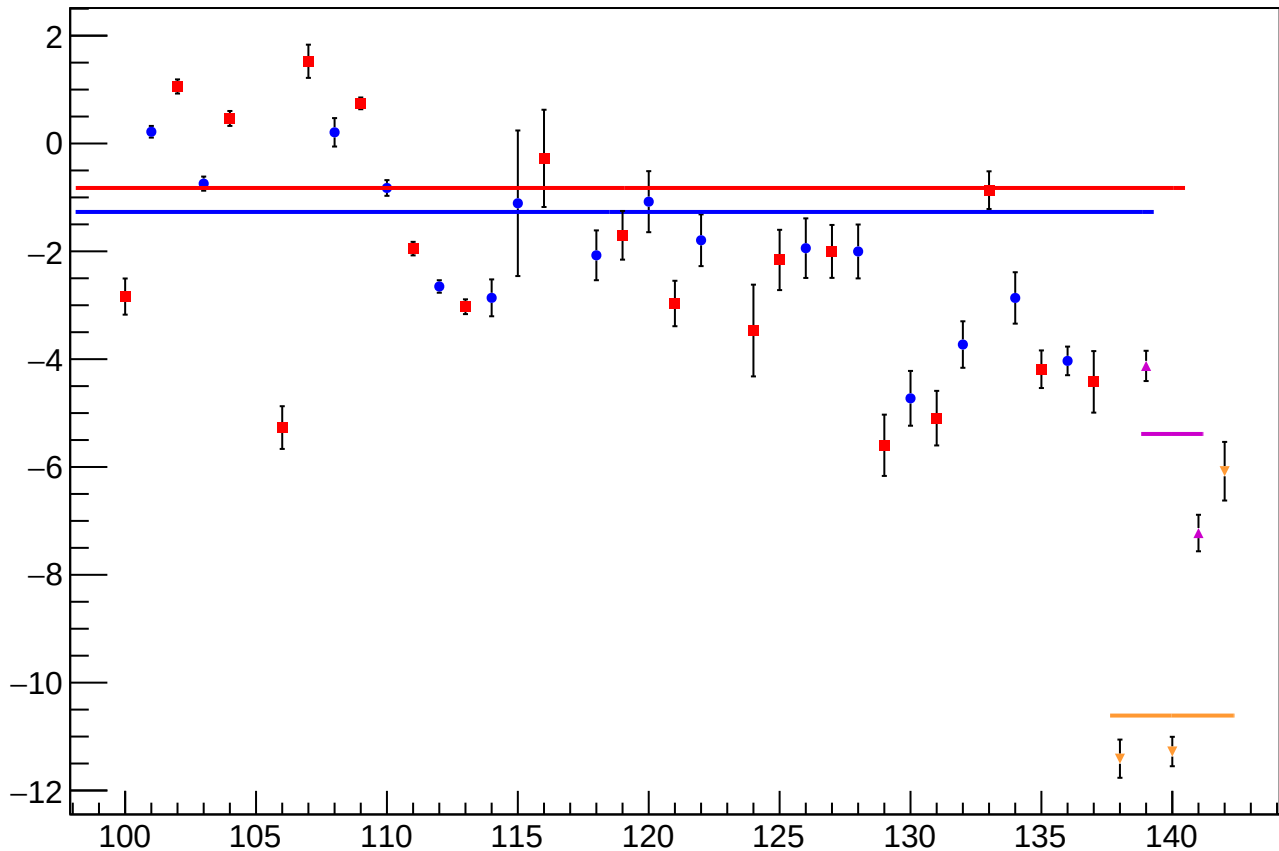
Left In: -22.421 ± 0.027 χ^2/NDF : 1109.9/1

+ sign -21.661 ± 0.015 χ^2/NDF : 16214.1/18

All: -20.556 ± 0.011 χ^2/NDF : 196233.3/39

- sign -19.450 ± 0.015 χ^2/NDF : 169788.0/20

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270 ± 0.055 χ^2/NDF : 616.5/15

Left Out: -10.611 ± 0.201 χ^2/NDF : 80.6/2

Right Out: -0.825 ± 0.051 χ^2/NDF : 1384.3/18

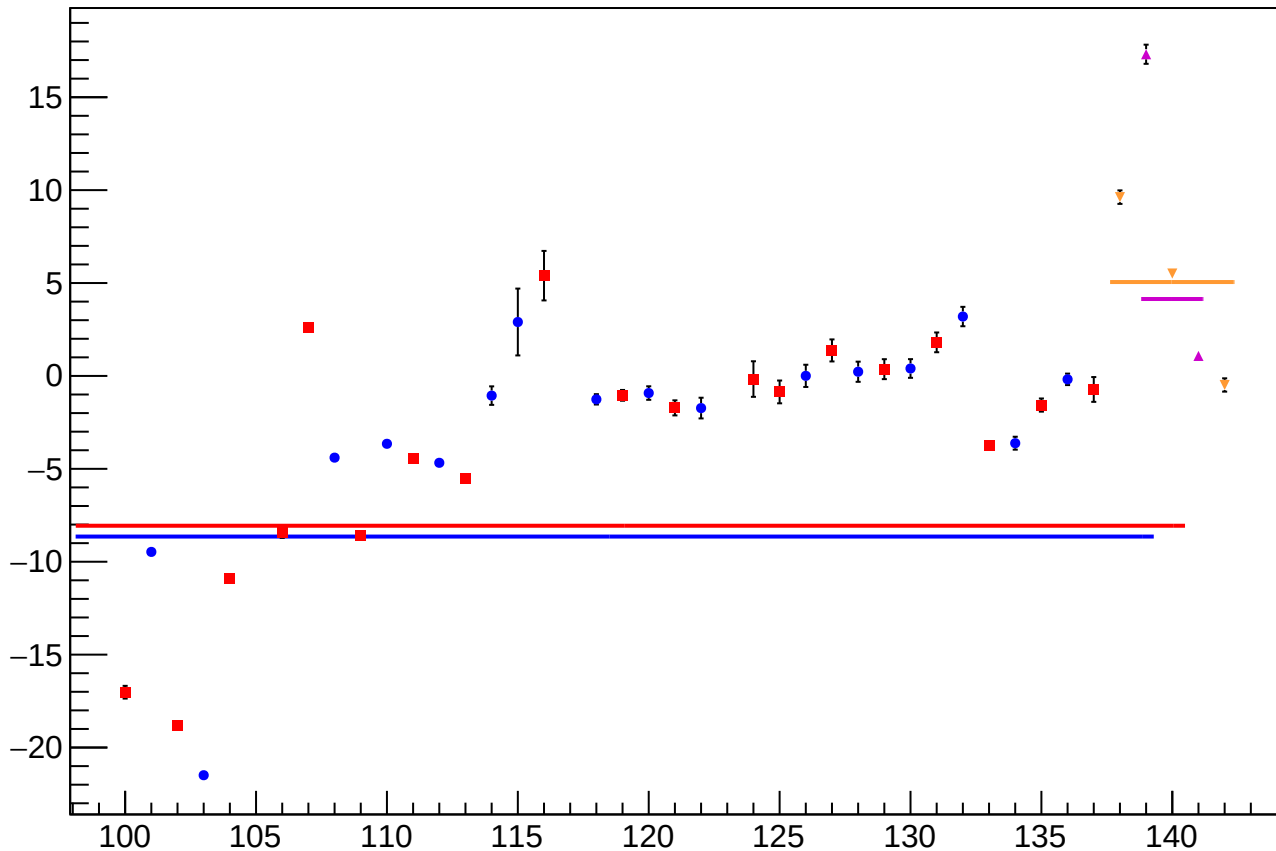
Left In: -5.387 ± 0.216 χ^2/NDF : 49.7/1

+ sign -1.911 ± 0.053 χ^2/NDF : 2711.0/18

All: -1.464 ± 0.036 χ^2/NDF : 4703.7/39

- sign -1.066 ± 0.050 χ^2/NDF : 1856.5/20

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645 ± 0.057 χ^2/NDF : 13827.6/15

Left Out: 5.054 ± 0.171 χ^2/NDF : 401.0/2

Right Out: -8.063 ± 0.058 χ^2/NDF : 14427.9/18

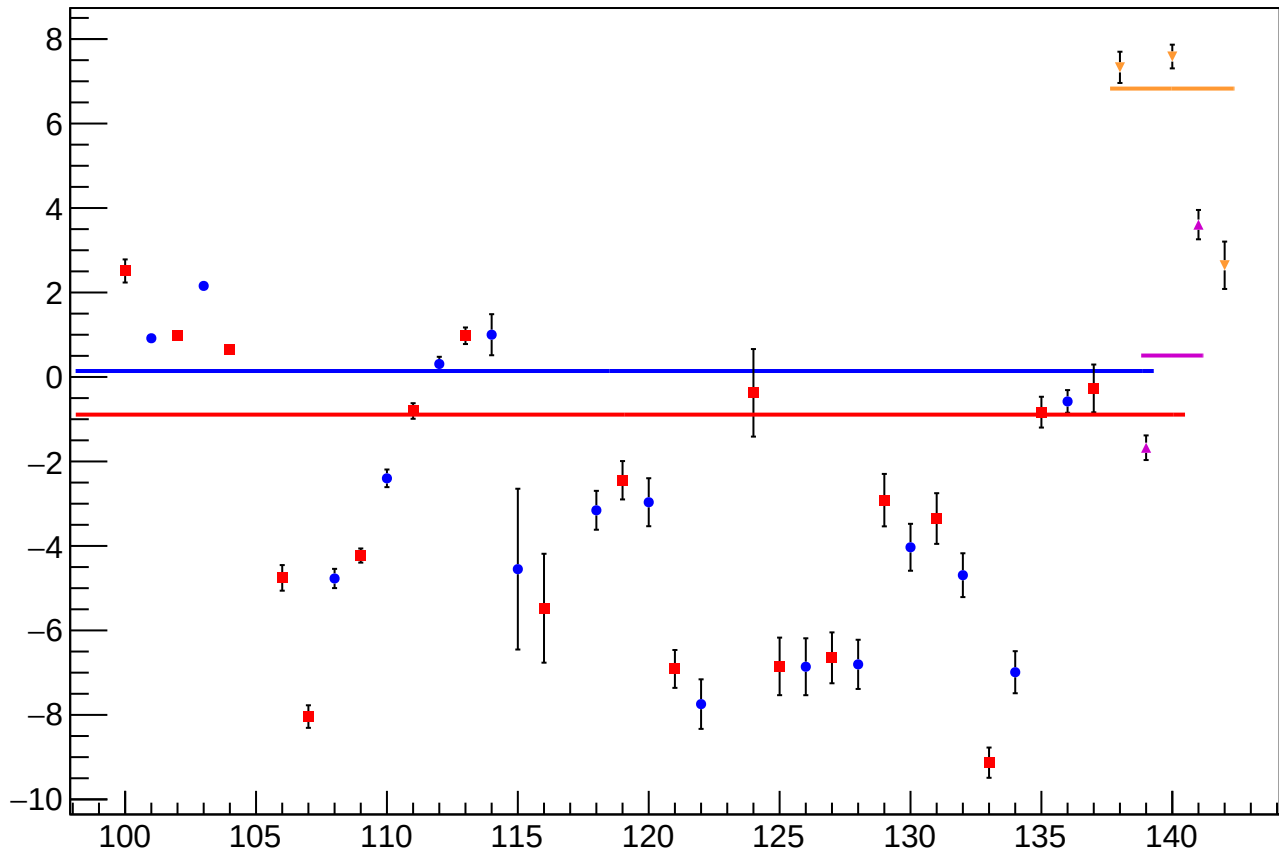
Left In: 4.140 ± 0.224 χ^2/NDF : 805.7/1

+ sign -7.272 ± 0.054 χ^2/NDF : 20029.1/18

All: -7.289 ± 0.039 χ^2/NDF : 38052.1/39

- sign -7.307 ± 0.056 χ^2/NDF : 18022.8/20

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141 ± 0.053 χ^2/NDF : 1959.8/15

Left Out: 6.828 ± 0.208 χ^2/NDF : 64.8/2

Right Out: -0.891 ± 0.054 χ^2/NDF : 2985.7/18

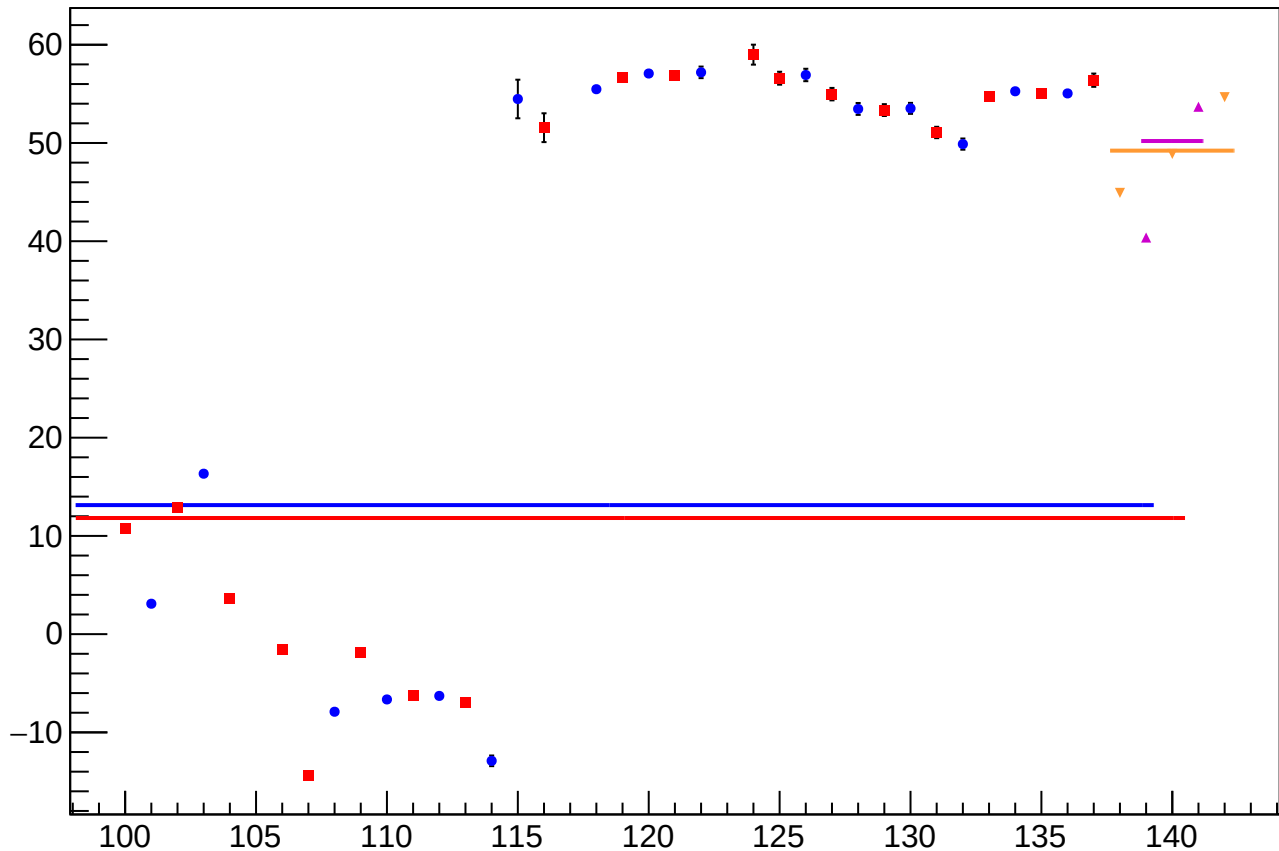
Left In: 0.508 ± 0.223 χ^2/NDF : 135.6/1

+ sign 0.549 ± 0.051 χ^2/NDF : 2997.8/18

All: -0.122 ± 0.037 χ^2/NDF : 6504.1/39

- sign -0.815 ± 0.052 χ^2/NDF : 3158.4/20

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2 /NDF: 108574.4/15

Left Out: 49.221+/-0.202 χ^2 /NDF: 273.0/2

Right Out: 11.822+/-0.068 χ^2 /NDF: 118168.5/18

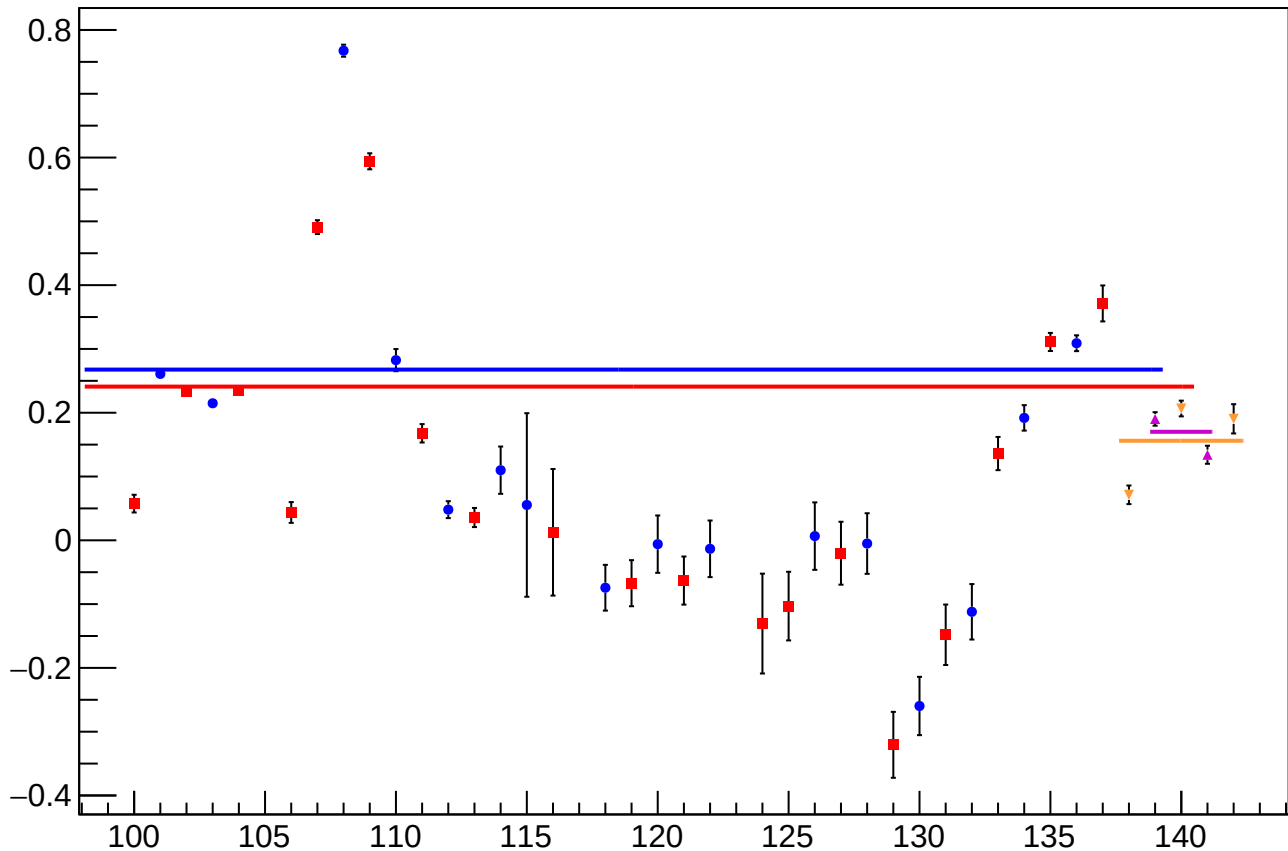
Left In: 50.200+/-0.253 χ^2 /NDF: 533.9/1

+ sign 16.814+/-0.064 χ^2 /NDF: 137598.9/18

All: 15.624+/-0.046 χ^2 /NDF: 278402.0/39

- sign 14.390+/-0.066 χ^2 /NDF: 140106.7/20

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: 0.156 $\pm$ 0.009 χ^2 /NDF:52.8/2

Right Out: 0.241 $\pm$ 0.003 χ^2 /NDF: 2339.2/18

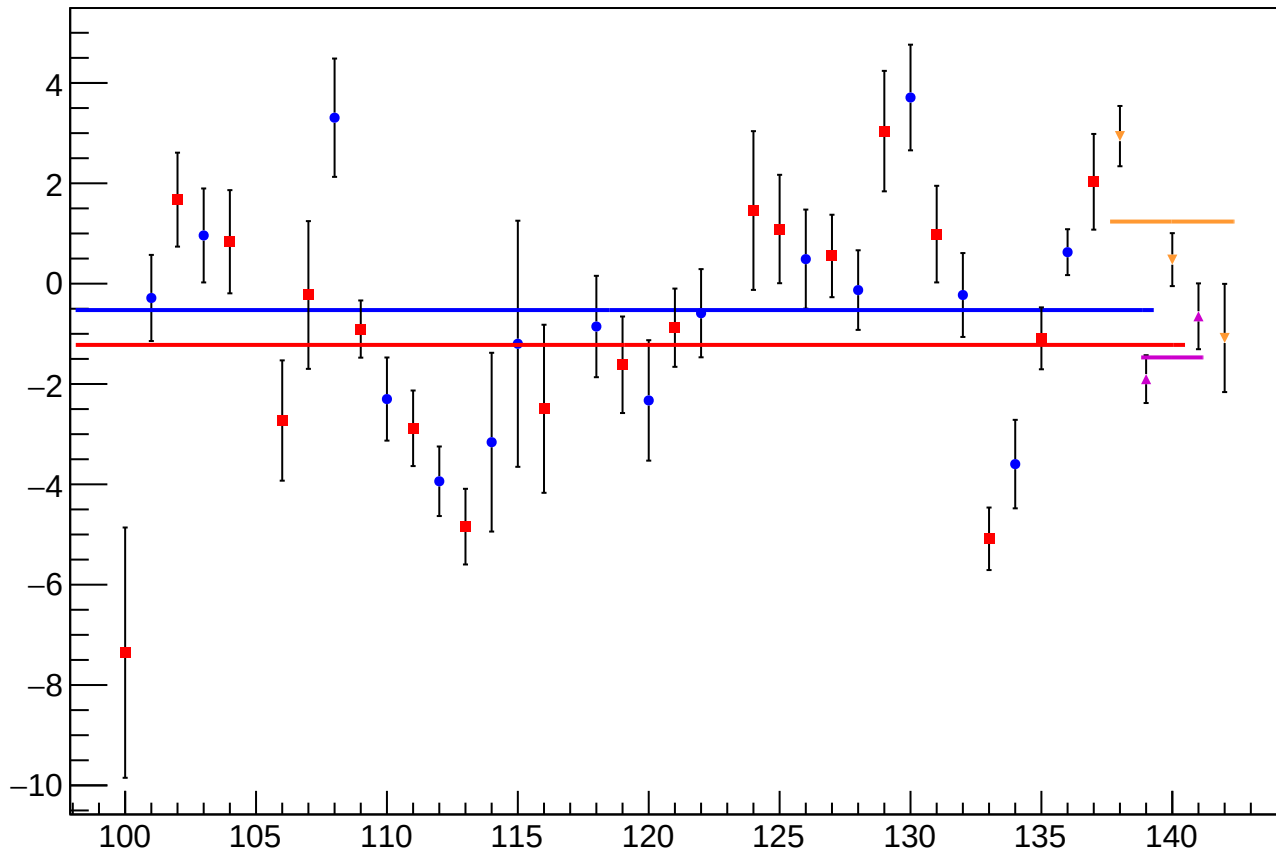
Left In: 0.170 $\pm$ 0.008 χ^2 /NDF:10.1/1

+ sign 0.257 $\pm$ 0.003 χ^2 /NDF: 3921.9/18

All: 0.246 $\pm$ 0.002 χ^2 /NDF: 6372.4/39

- sign 0.234 $\pm$ 0.003 χ^2 /NDF: 2412.4/20

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527 ± 0.217 χ^2/NDF : 82.7/15

Left Out: 1.238 ± 0.372 χ^2/NDF : 14.7/2

Right Out: -1.221 ± 0.205 χ^2/NDF : 130.9/18

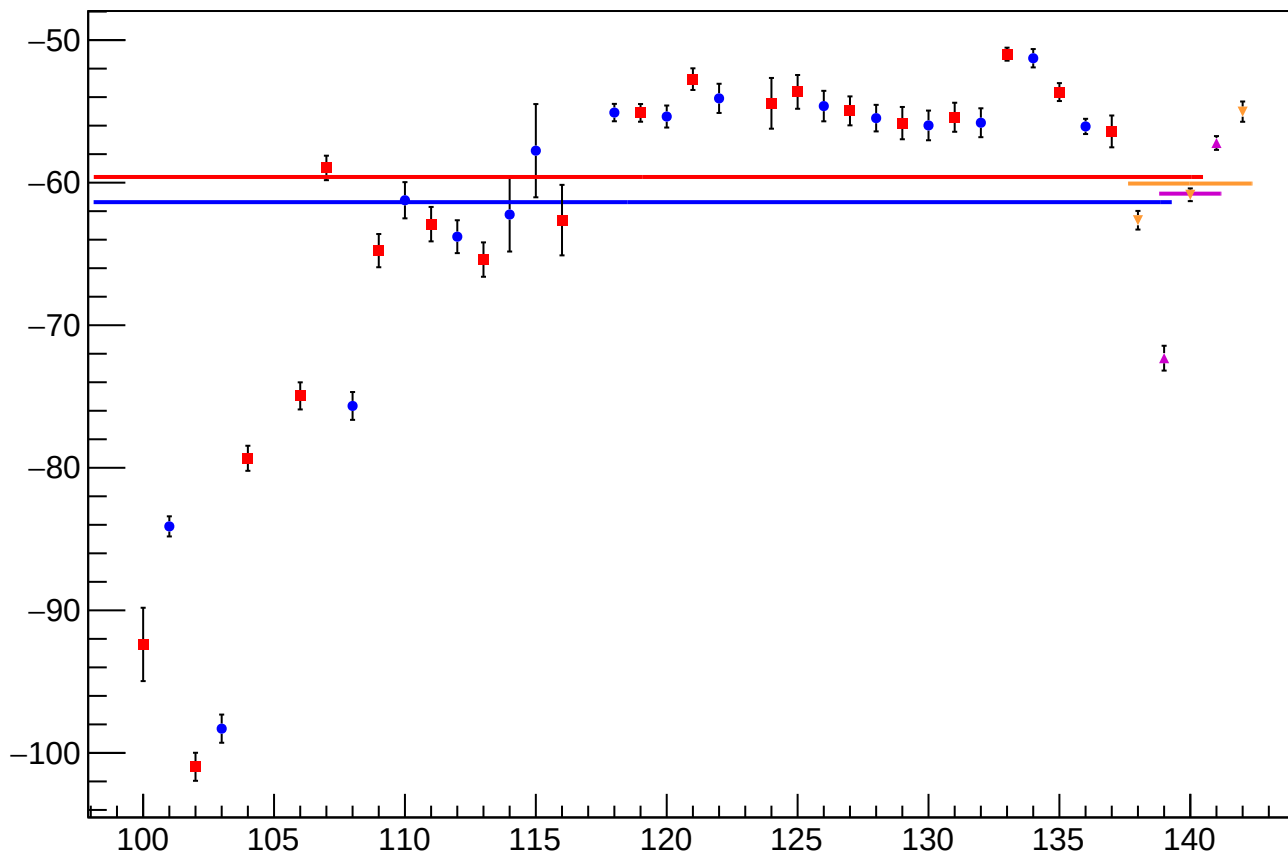
Left In: -1.470 ± 0.385 χ^2/NDF : 2.4/1

+ sign -0.079 ± 0.188 χ^2/NDF : 114.2/18

All: -0.699 ± 0.130 χ^2/NDF : 269.0/39

- sign -1.276 ± 0.181 χ^2/NDF : 133.6/20

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367 ± 0.219 χ^2/NDF : 3351.2/15

Left Out: -60.063 ± 0.327 χ^2/NDF : 68.9/2

Right Out: -59.601 ± 0.207 χ^2/NDF : 3421.3/18

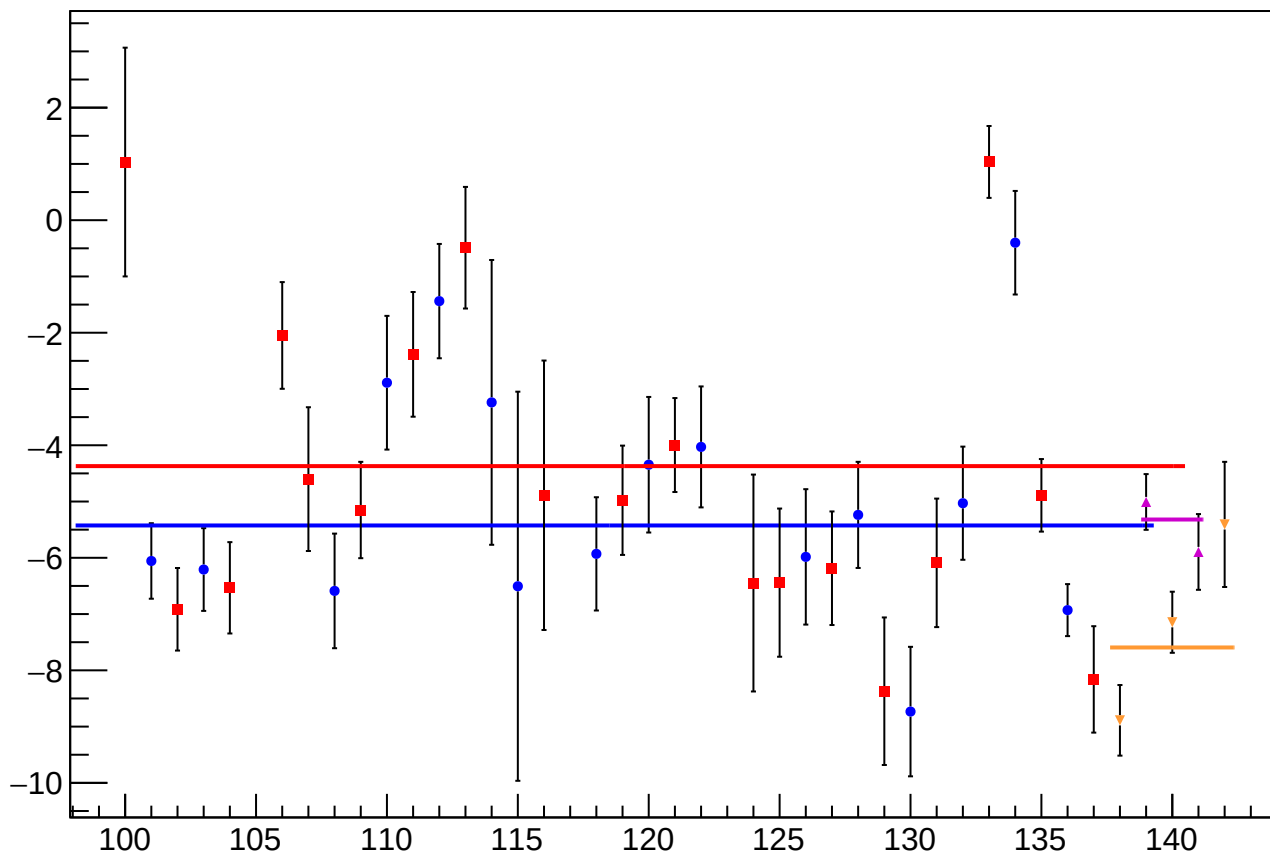
Left In: -60.771 ± 0.423 χ^2/NDF : 229.6/1

+ sign -60.964 ± 0.182 χ^2/NDF : 3431.1/18

All: -60.406 ± 0.130 χ^2/NDF : 7107.2/39

- sign -59.827 ± 0.186 χ^2/NDF : 3657.0/20

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425 ± 0.230 χ^2/NDF : 76.0/15

Left Out: -7.594 ± 0.385 χ^2/NDF : 8.8/2

Right Out: -4.371 ± 0.223 χ^2/NDF : 156.6/18

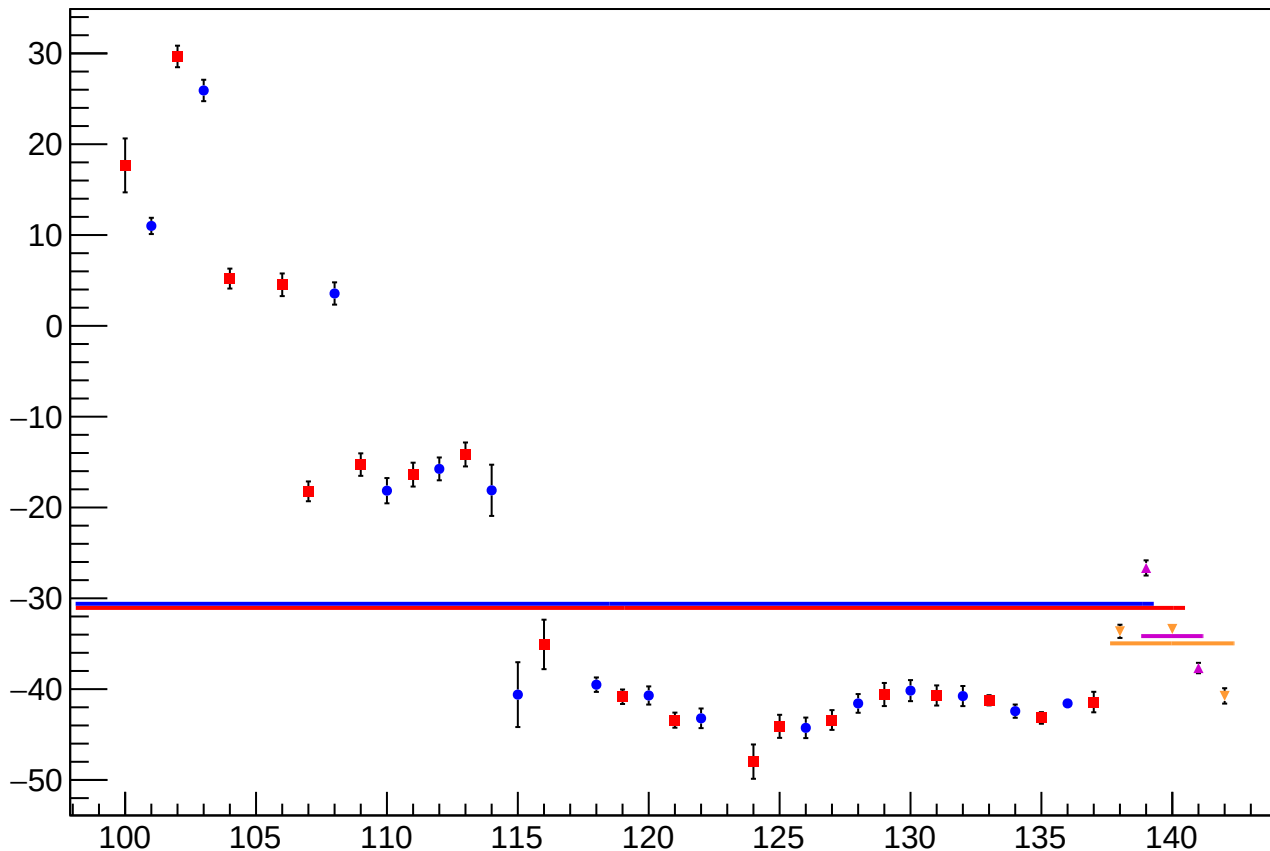
Left In: -5.320 ± 0.399 χ^2/NDF : 1.1/1

+ sign -5.995 ± 0.197 χ^2/NDF : 108.1/18

All: -5.284 ± 0.138 χ^2/NDF : 295.7/39

- sign -4.596 ± 0.194 χ^2/NDF : 162.1/20

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605 ± 0.249 χ^2/NDF : 6938.0/15

Left Out: -34.961 ± 0.384 χ^2/NDF : 58.8/2

Right Out: -31.056 ± 0.238 χ^2/NDF : 6976.4/18

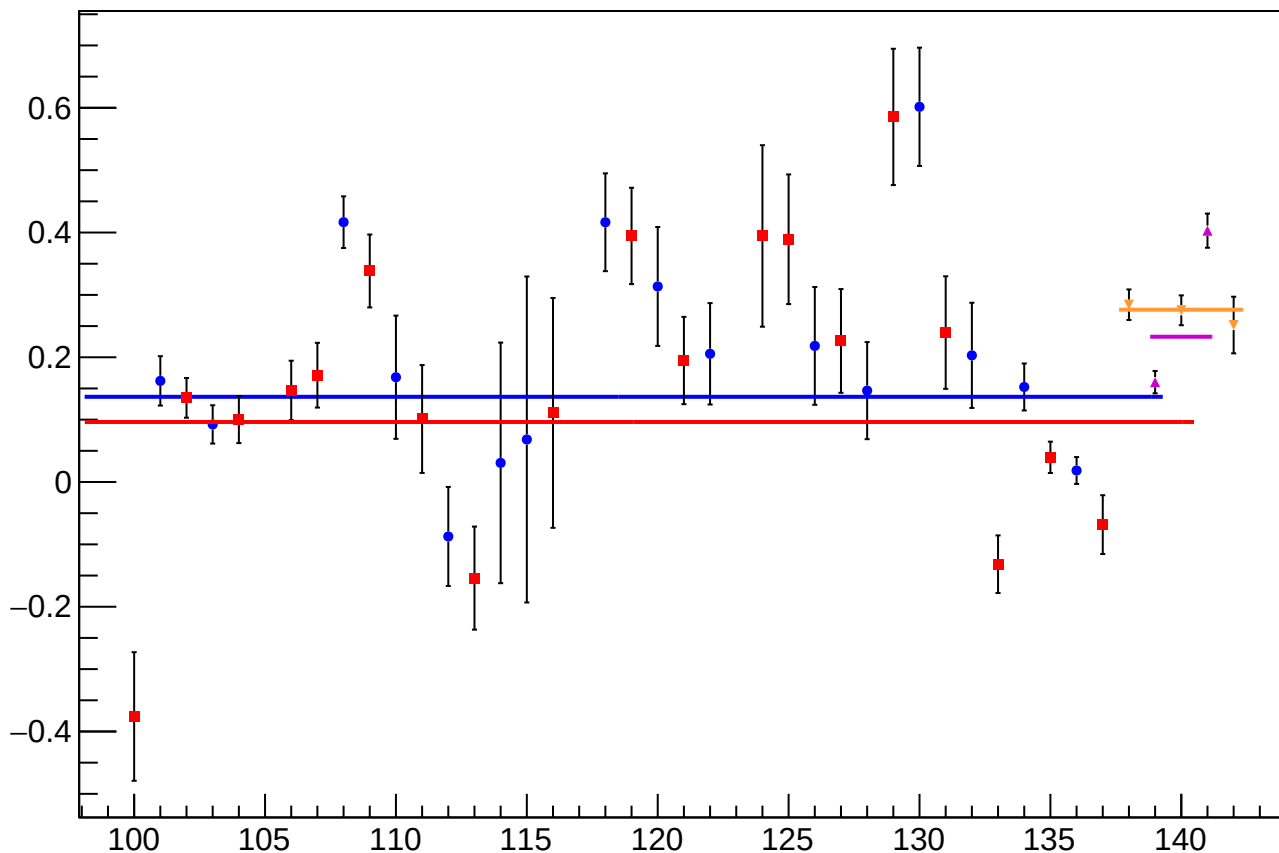
Left In: -34.160 ± 0.473 χ^2/NDF : 118.2/1

+ sign -31.897 ± 0.209 χ^2/NDF : 7087.3/18

All: -31.792 ± 0.149 χ^2/NDF : 14216.9/39

- sign -31.683 ± 0.212 χ^2/NDF : 7129.1/20

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137 ± 0.013 χ^2/NDF : 129.2/15

Left Out: 0.276 ± 0.016 χ^2/NDF : 0.4/2

Right Out: 0.096 ± 0.012 χ^2/NDF : 147.7/18

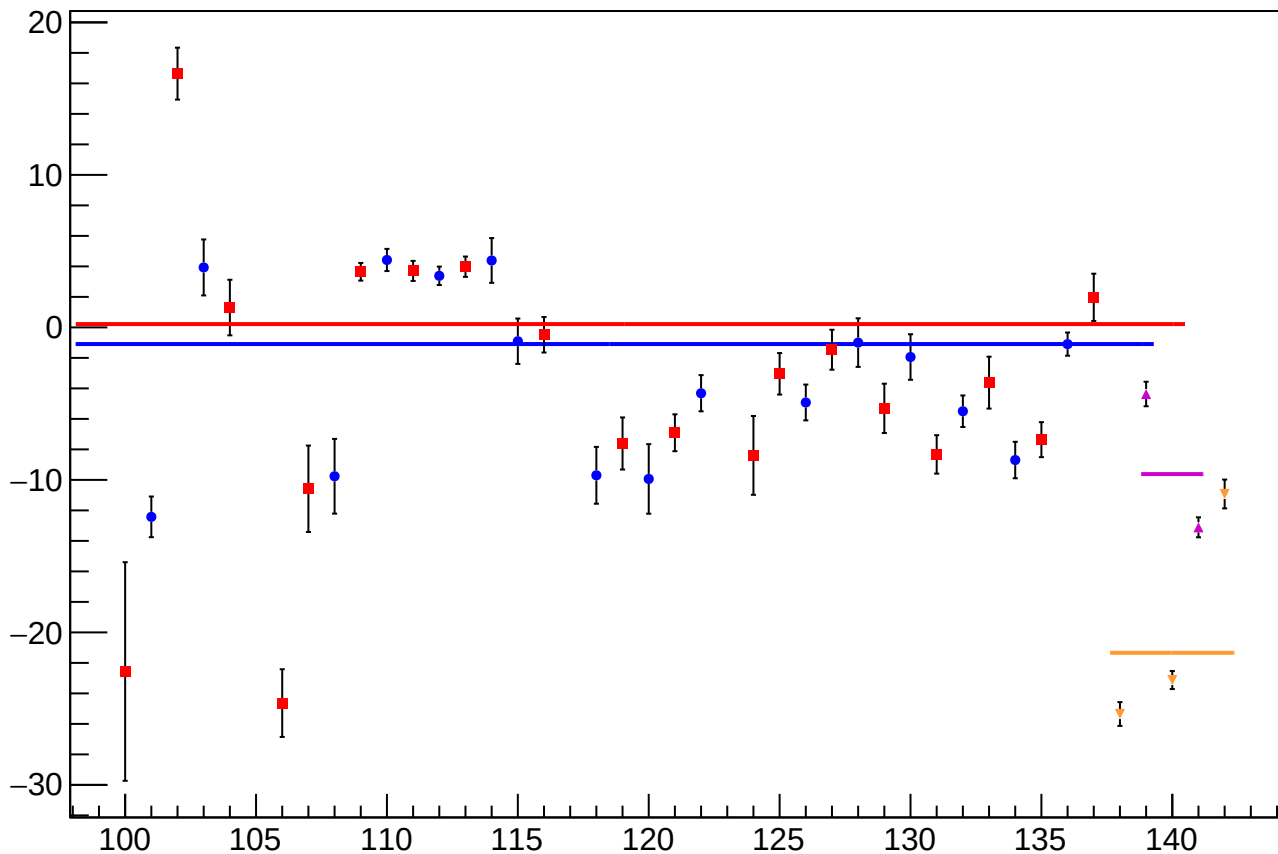
Left In: 0.233 ± 0.015 χ^2/NDF : 55.0/1

+ sign 0.190 ± 0.010 χ^2/NDF : 176.9/18

All: 0.170 ± 0.007 χ^2/NDF : 436.9/39

- sign 0.151 ± 0.010 χ^2/NDF : 252.2/20

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092 ± 0.281 χ^2/NDF : 332.0/15

Left Out: -21.338 ± 0.422 χ^2/NDF : 157.1/2

Right Out: 0.216 ± 0.266 χ^2/NDF : 520.8/18

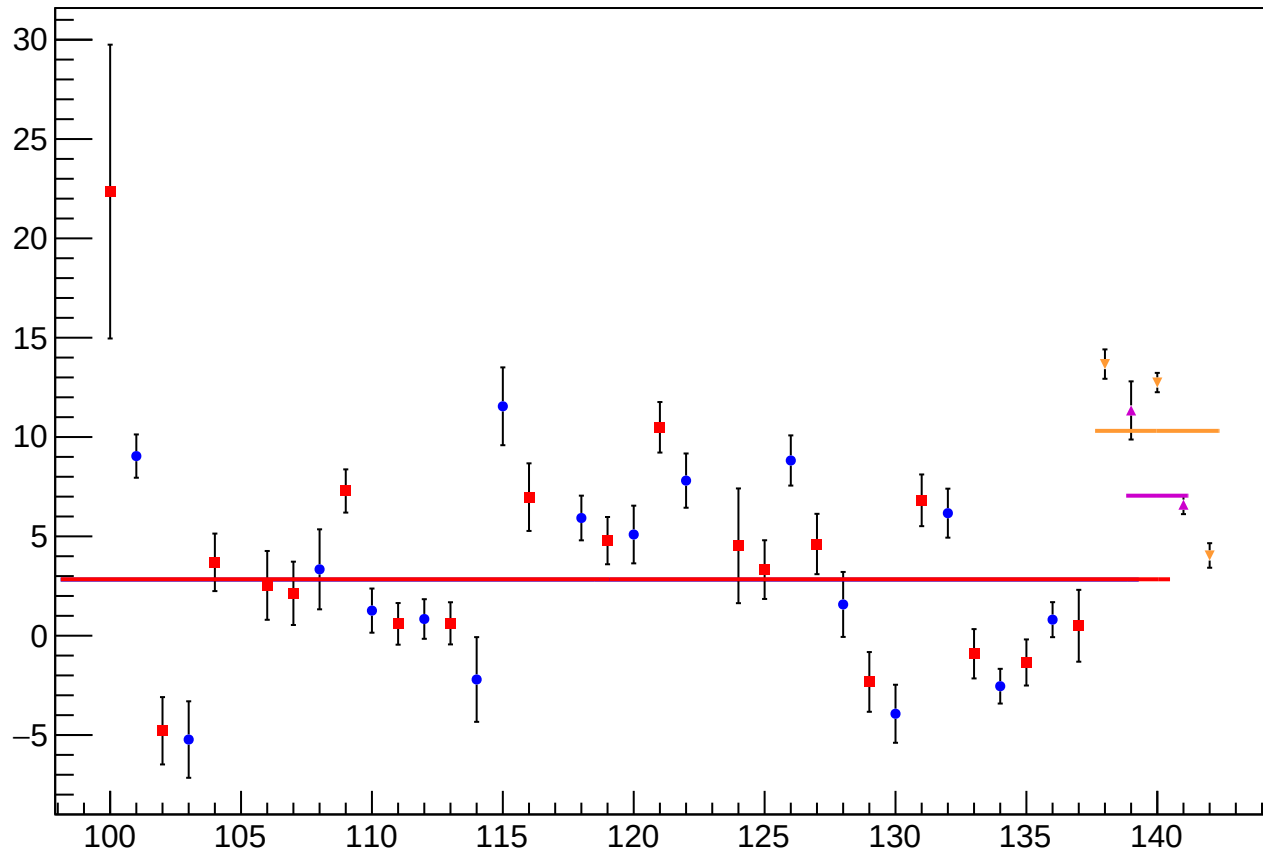
Left In: -9.619 ± 0.508 χ^2/NDF : 71.0/1

+ sign -7.297 ± 0.234 χ^2/NDF : 2084.7/18

All: -4.624 ± 0.166 χ^2/NDF : 3234.7/39

- sign -1.902 ± 0.236 χ^2/NDF : 885.8/20

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823 ± 0.313 χ^2/NDF : 199.6/15

Left Out: 10.311 ± 0.340 χ^2/NDF : 148.6/2

Right Out: 2.840 ± 0.322 χ^2/NDF : 145.0/18

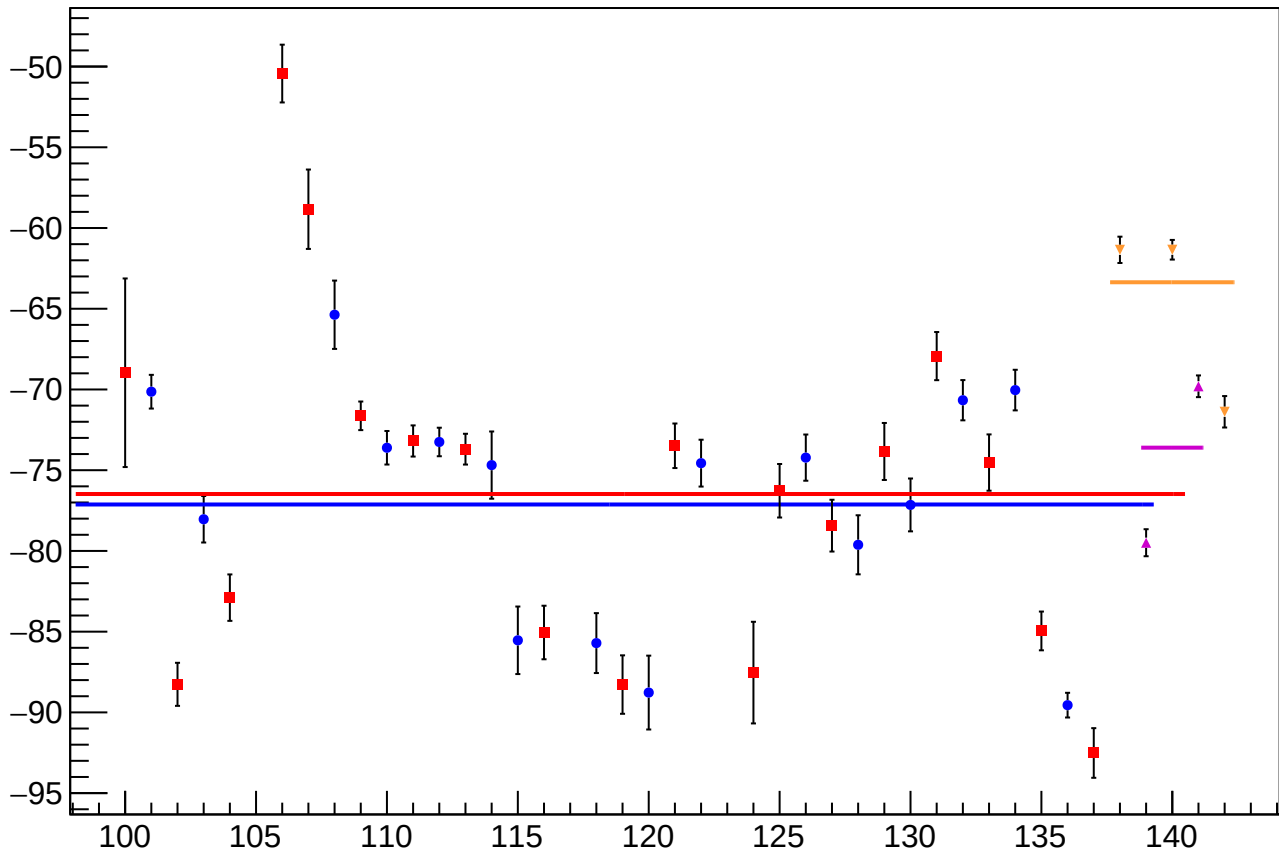
Left In: 7.048 ± 0.452 χ^2/NDF : 9.5/1

+ sign 6.267 ± 0.230 χ^2/NDF : 610.7/18

All: 5.393 ± 0.173 χ^2/NDF : 855.7/39

- sign 4.257 ± 0.262 χ^2/NDF : 211.8/20

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF : 503.3/15

Left Out: -63.360+/-0.436 χ^2/NDF : 84.9/2

Right Out: -76.475+/-0.328 χ^2/NDF : 695.8/18

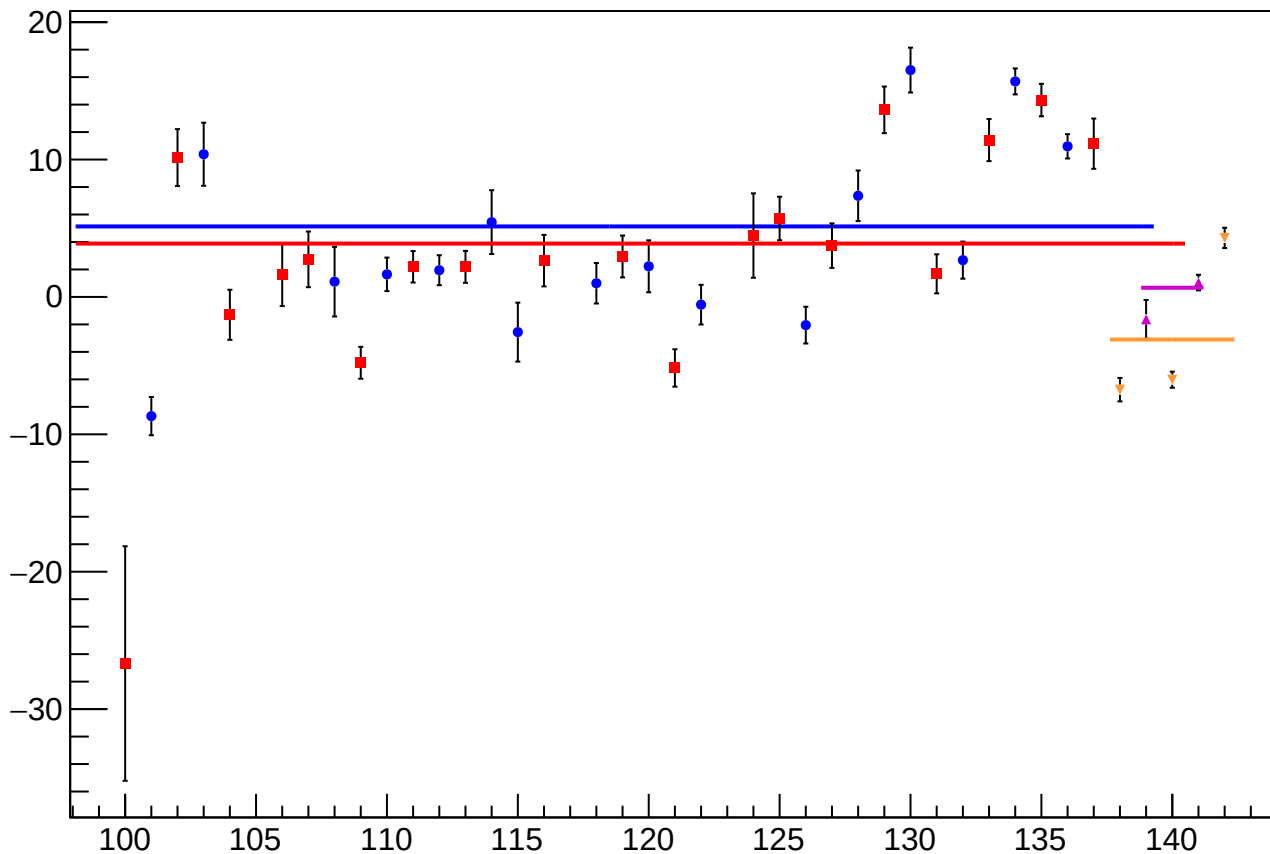
Left In: -73.604+/-0.524 χ^2/NDF : 81.4/1

+ sign -72.182+/-0.261 χ^2/NDF : 1227.0/18

All: -73.813+/-0.190 χ^2/NDF : 2109.0/39

- sign -75.665+/-0.278 χ^2/NDF : 798.8/20

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132 ± 0.350 χ^2/NDF : 412.3/15

Left Out: -3.098 ± 0.405 χ^2/NDF : 143.0/2

Right Out: 3.885 ± 0.361 χ^2/NDF : 291.5/18

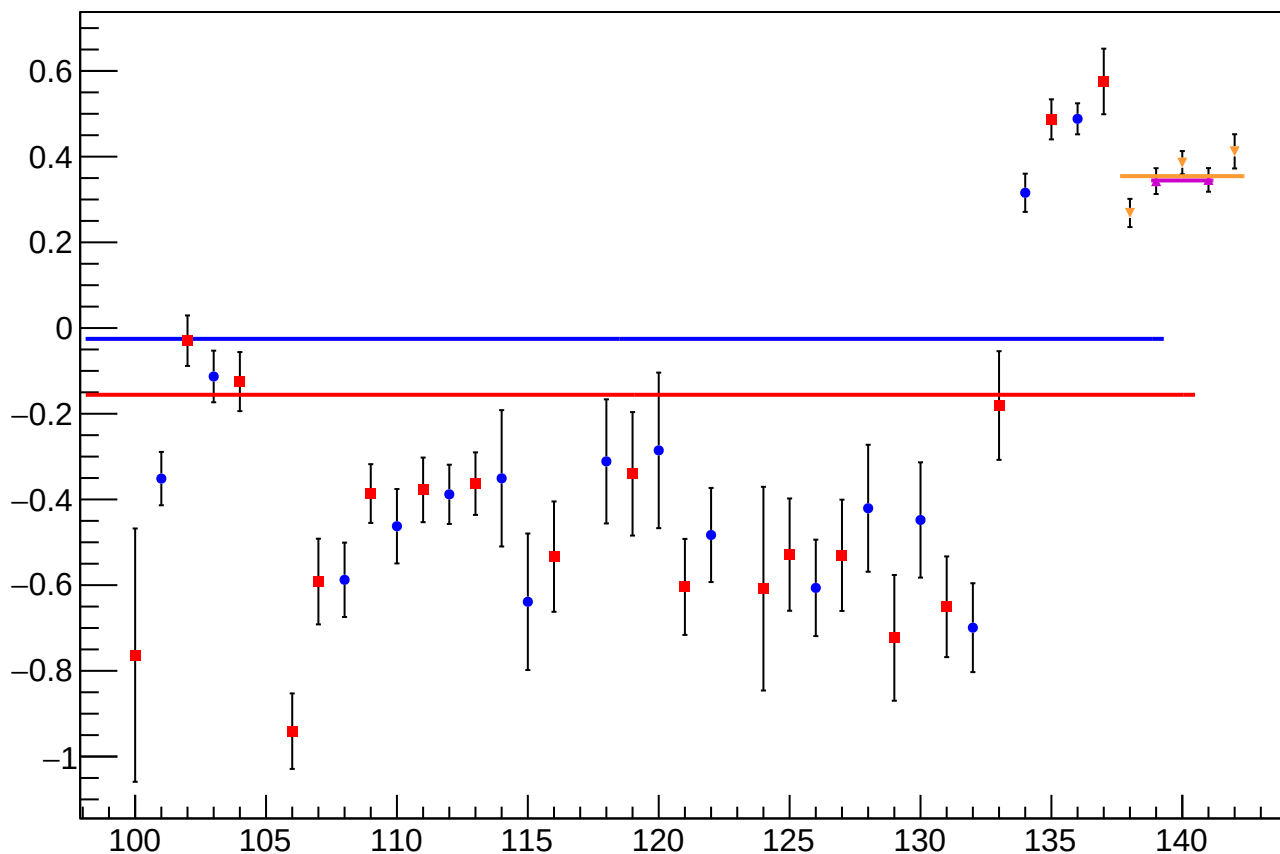
Left In: 0.670 ± 0.526 χ^2/NDF : 3.1/1

+ sign 1.616 ± 0.265 χ^2/NDF : 791.9/18

All: 2.162 ± 0.198 χ^2/NDF : 1121.5/39

- sign 2.854 ± 0.298 χ^2/NDF : 319.9/20

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025 ± 0.019 χ^2/NDF : 512.5/15

Left Out: 0.354 ± 0.019 χ^2/NDF : 10.3/2

Right Out: -0.156 ± 0.020 χ^2/NDF : 494.9/18

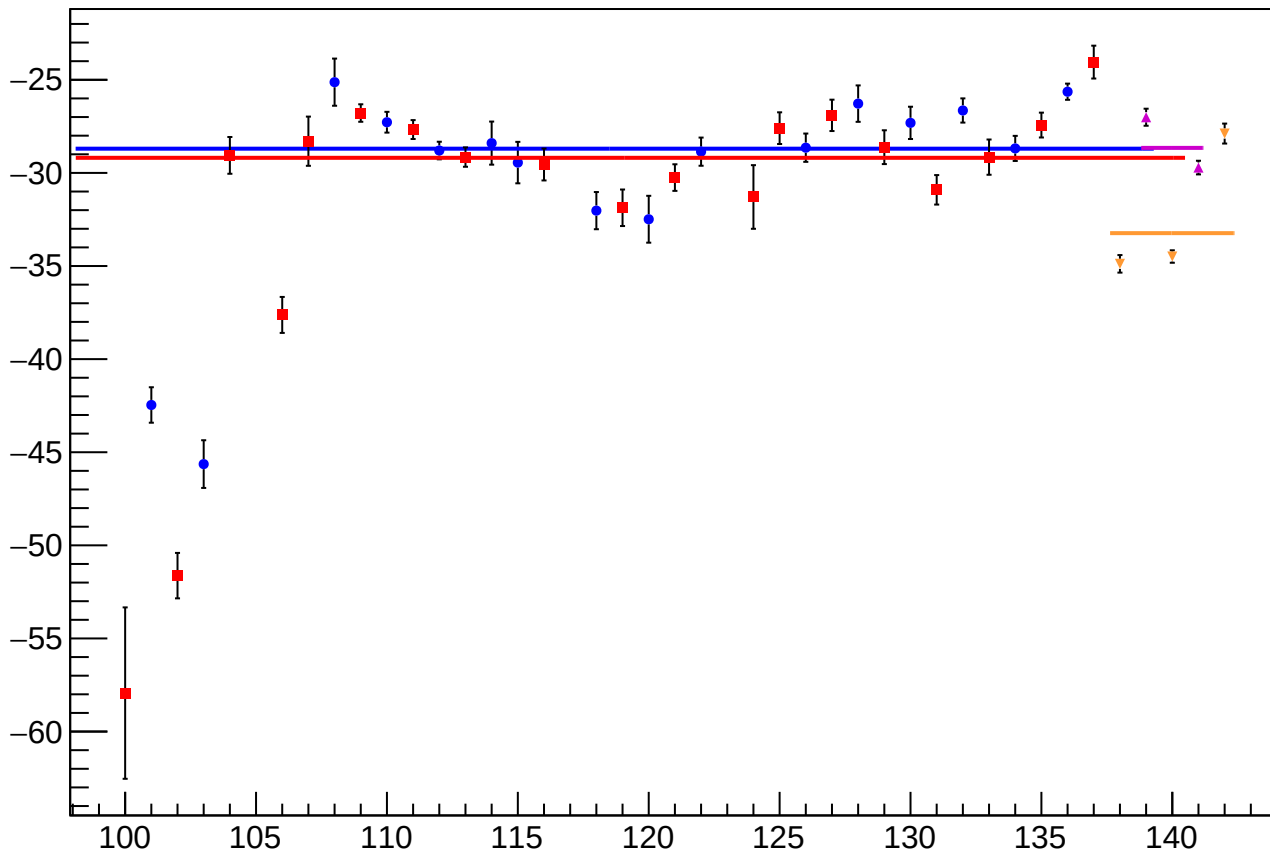
Left In: 0.344 ± 0.020 χ^2/NDF : 0.0/1

+ sign 0.169 ± 0.013 χ^2/NDF : 728.0/18

All: 0.134 ± 0.010 χ^2/NDF : 1542.5/39

- sign 0.093 ± 0.014 χ^2/NDF : 799.4/20

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698 ± 0.186 χ^2/NDF : 487.3/15

Left Out: -33.234 ± 0.243 χ^2/NDF : 125.8/2

Right Out: -29.189 ± 0.181 χ^2/NDF : 557.3/18

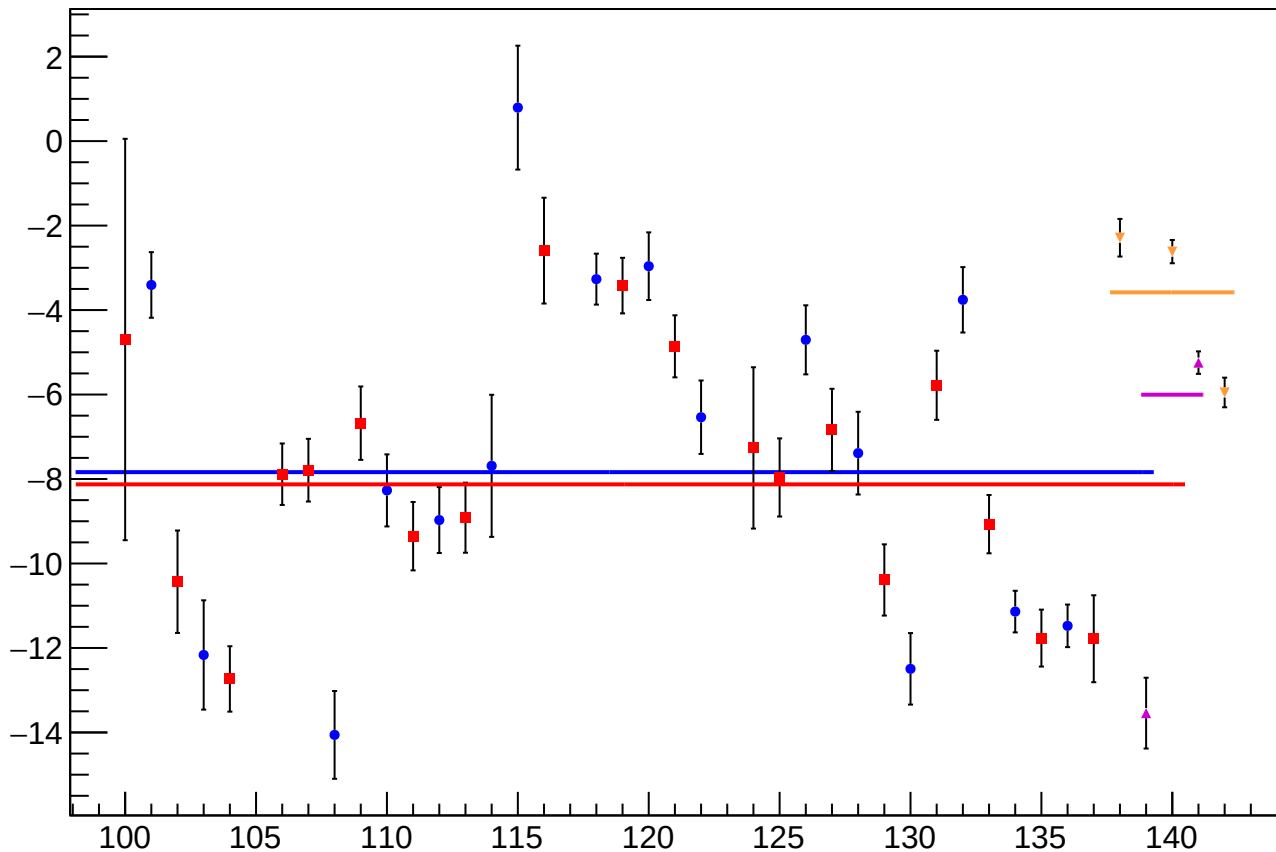
Left In: -28.656 ± 0.286 χ^2/NDF : 21.3/1

+ sign -30.371 ± 0.148 χ^2/NDF : 832.6/18

All: -29.727 ± 0.106 χ^2/NDF : 1453.0/39

- sign -29.036 ± 0.153 χ^2/NDF : 581.0/20

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837 ± 0.195 $\chi^2/\text{NDF}: 383.2/15$

Left Out: -3.580 ± 0.195 $\chi^2/\text{NDF}: 66.4/2$

Right Out: -8.127 ± 0.197 $\chi^2/\text{NDF}: 197.3/18$

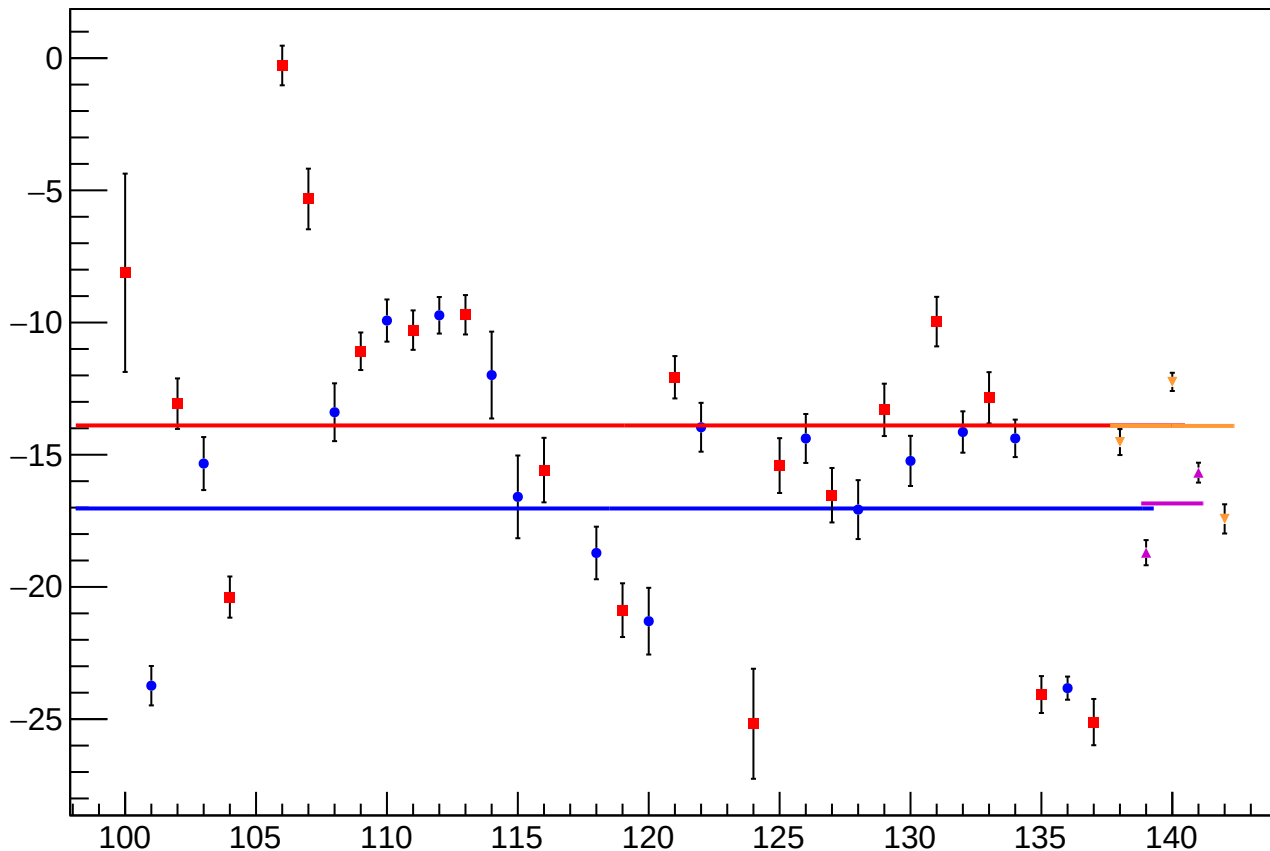
Left In: -6.004 ± 0.254 $\chi^2/\text{NDF}: 89.1/1$

+ sign -5.705 ± 0.138 $\chi^2/\text{NDF}: 688.4/18$

All: -6.420 ± 0.103 $\chi^2/\text{NDF}: 1079.7/39$

- sign -7.329 ± 0.155 $\chi^2/\text{NDF}: 330.2/20$

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033 ± 0.209 χ^2/NDF : 601.2/15

Left Out: -13.910 ± 0.251 χ^2/NDF : 65.4/2

Right Out: -13.892 ± 0.209 χ^2/NDF : 1017.4/18

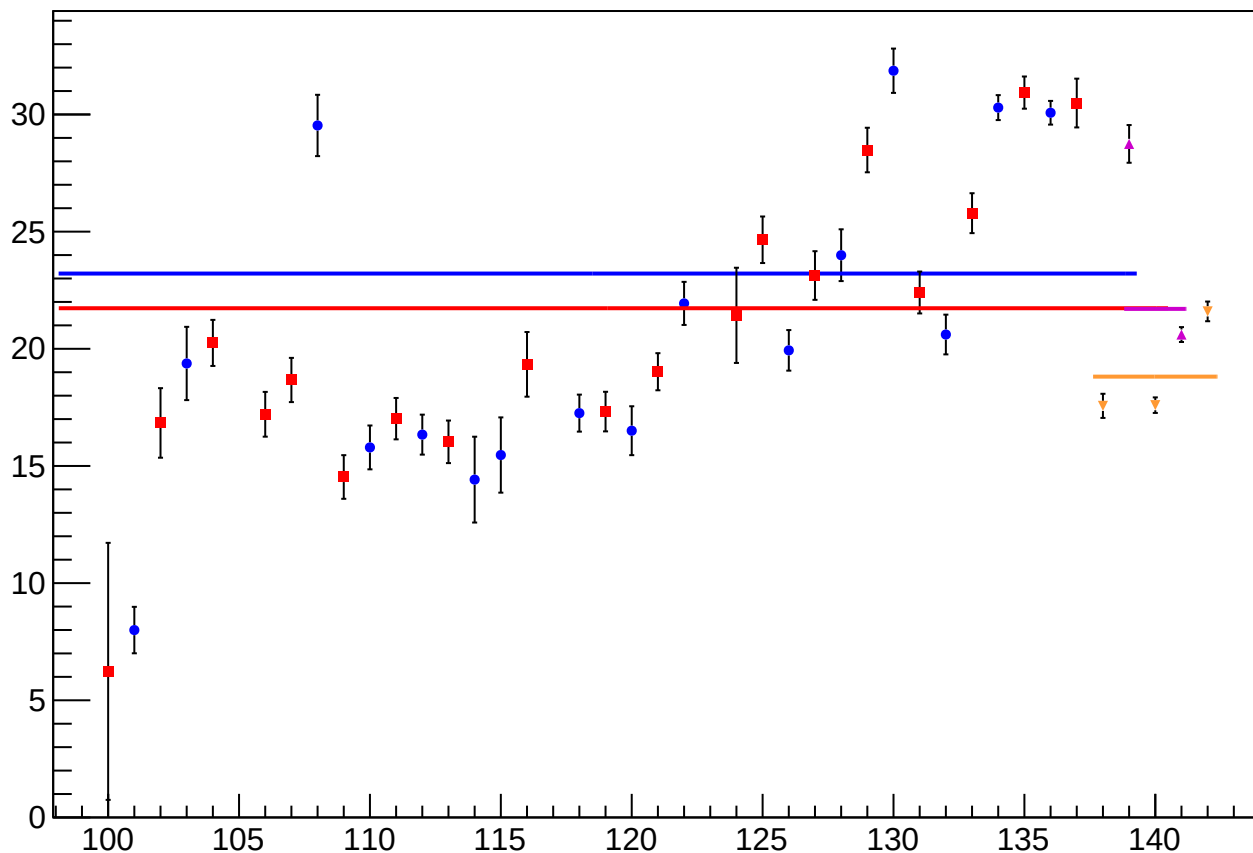
Left In: -16.842 ± 0.295 χ^2/NDF : 24.9/1

+ sign -15.753 ± 0.161 χ^2/NDF : 757.8/18

All: -15.342 ± 0.117 χ^2/NDF : 1880.4/39

- sign -14.879 ± 0.171 χ^2/NDF : 1108.8/20

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: 18.812 $\pm$ 0.232 χ^2 /NDF: 63.3/2

Right Out: 21.731 $\pm$ 0.224 χ^2 /NDF: 558.2/18

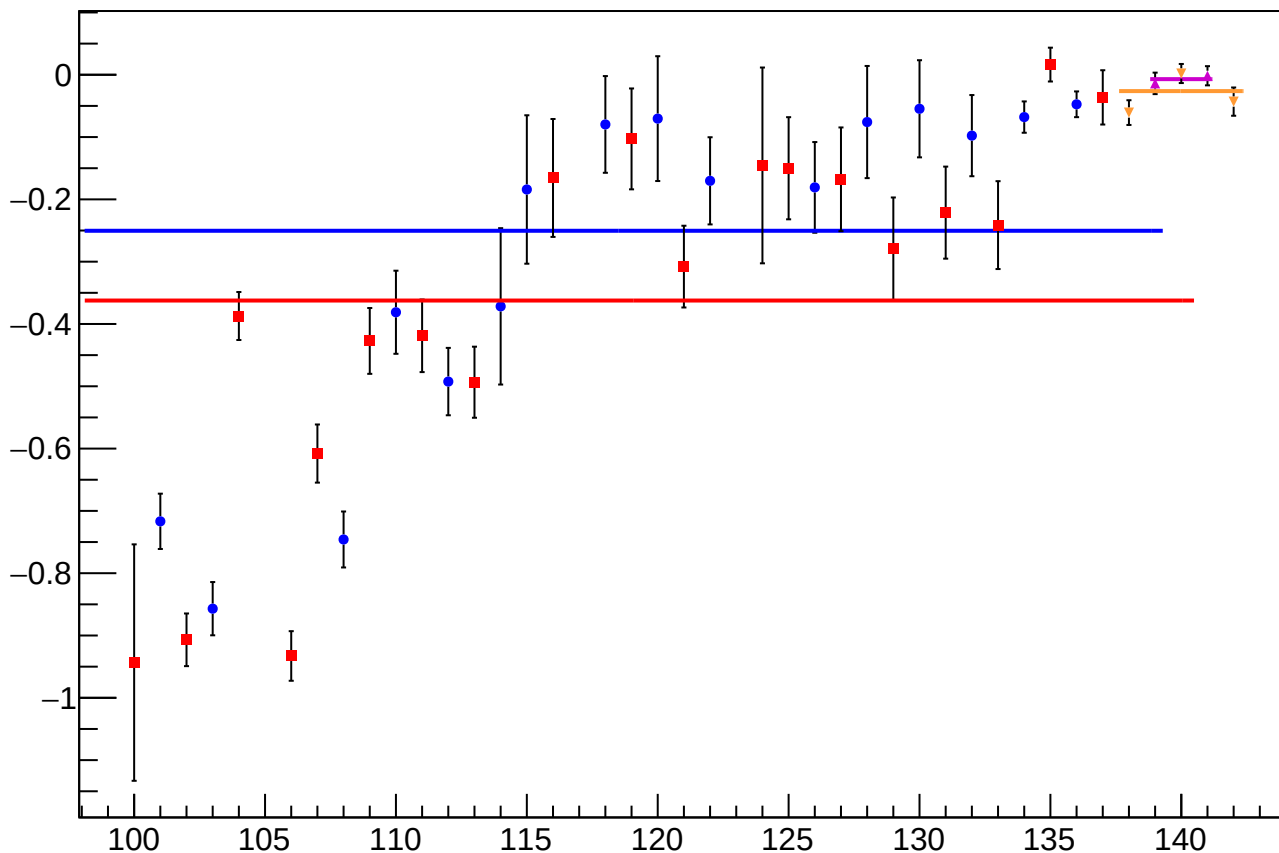
Left In: 21.704 $\pm$ 0.295 χ^2 /NDF: 88.4/1

+ sign 21.150 $\pm$ 0.159 χ^2 /NDF: 1262.1/18

All: 21.403 $\pm$ 0.119 χ^2 /NDF: 1914.4/39

- sign 21.721 $\pm$ 0.179 χ^2 /NDF: 646.7/20

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250 ± 0.012 χ^2/NDF : 633.5/15

Left Out: -0.026 ± 0.011 χ^2/NDF : 7.0/2

Right Out: -0.362 ± 0.012 χ^2/NDF : 704.3/18

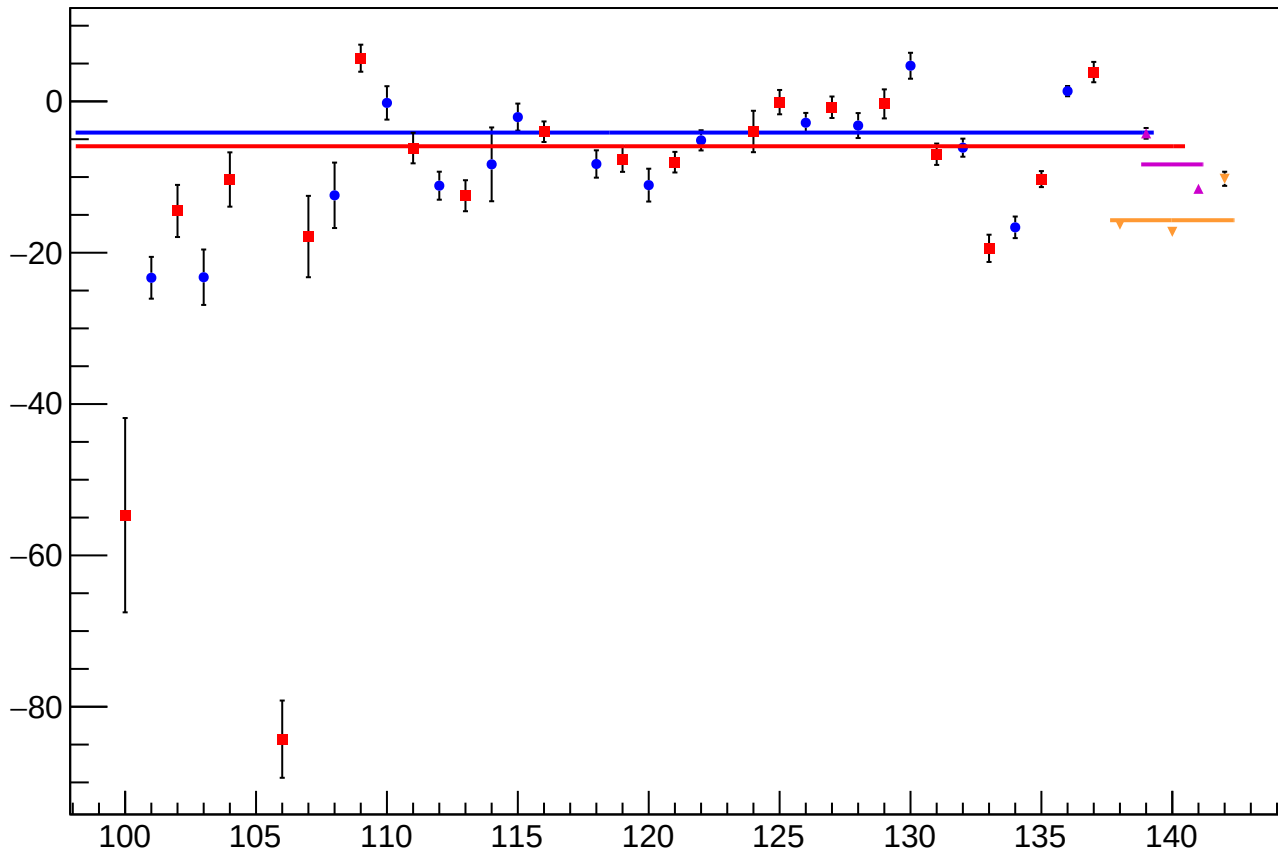
Left In: -0.007 ± 0.011 χ^2/NDF : 0.3/1

+ sign -0.129 ± 0.008 χ^2/NDF : 841.3/18

All: -0.149 ± 0.006 χ^2/NDF : 2004.0/39

- sign -0.172 ± 0.008 χ^2/NDF : 1148.7/20

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124 ± 0.382 χ^2/NDF : 287.9/15

Left Out: -15.705 ± 0.389 χ^2/NDF : 42.8/2

Right Out: -5.930 ± 0.408 χ^2/NDF : 482.6/18

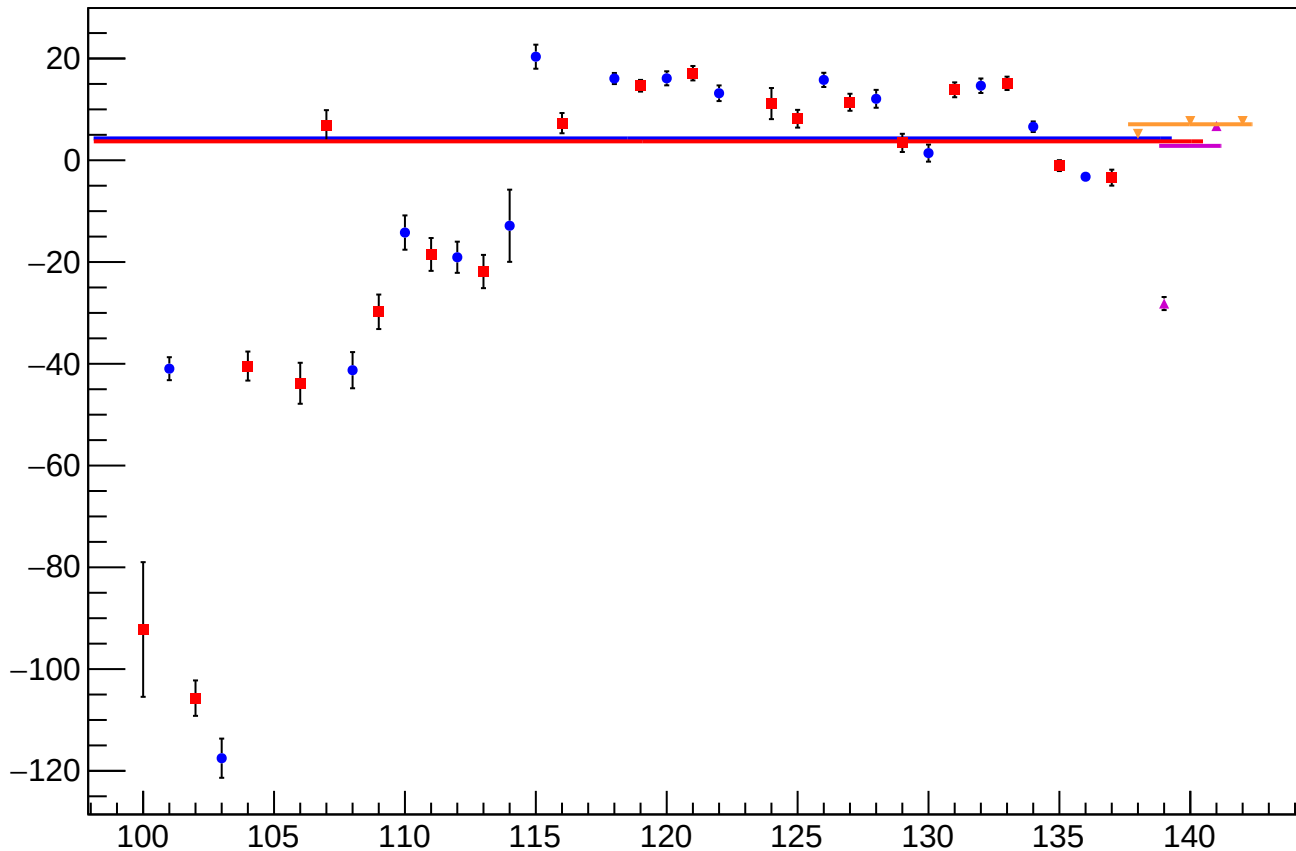
Left In: -8.330 ± 0.470 χ^2/NDF : 59.9/1

+ sign -9.810 ± 0.272 χ^2/NDF : 782.5/18

All: -8.559 ± 0.204 χ^2/NDF : 1388.0/39

- sign -6.961 ± 0.308 χ^2/NDF : 557.4/20

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292 ± 0.385 χ^2/NDF : 2169.1/15

Left Out: 7.074 ± 0.318 χ^2/NDF : 11.7/2

Right Out: 3.717 ± 0.423 χ^2/NDF : 2007.2/18

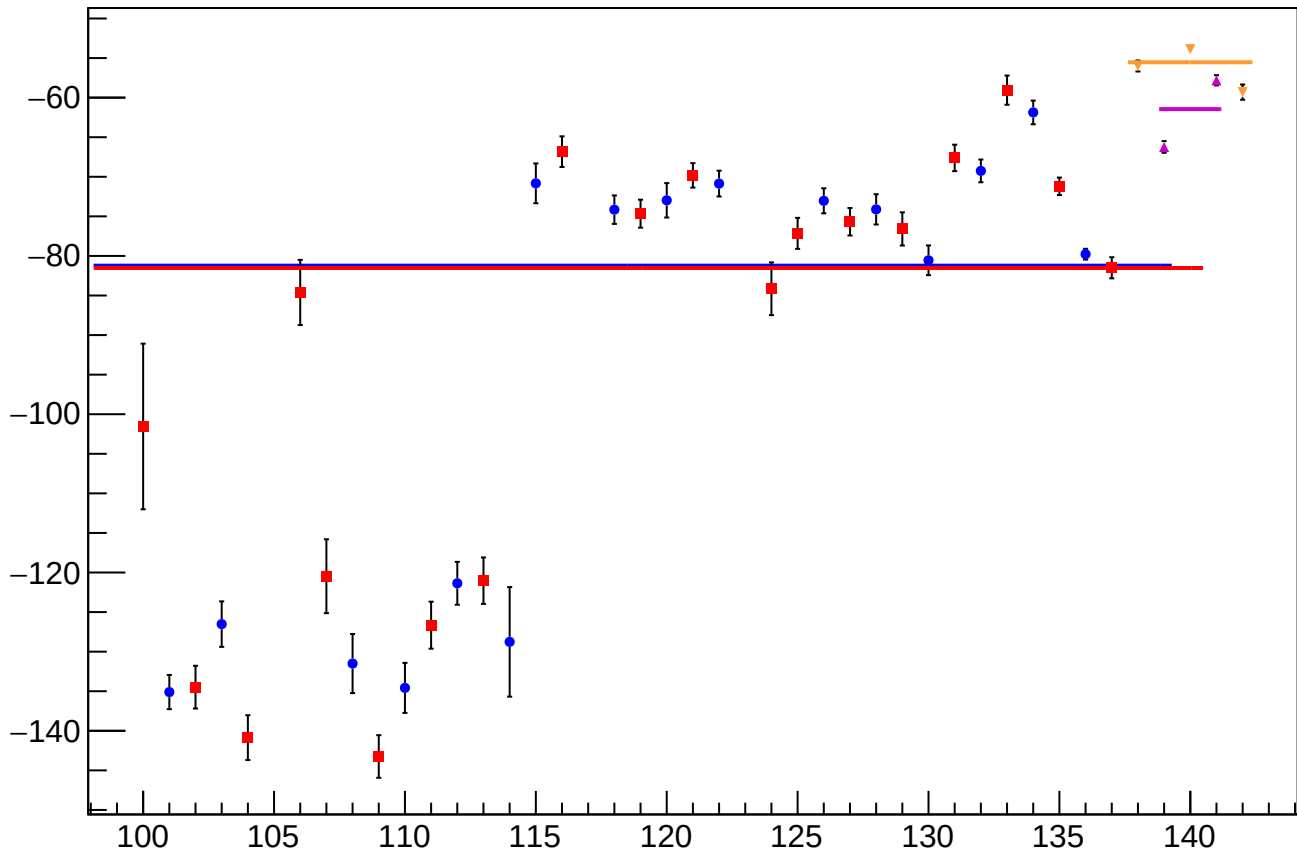
Left In: 2.831 ± 0.430 χ^2/NDF : 653.8/1

+ sign 5.947 ± 0.245 χ^2/NDF : 2211.9/18

All: 4.885 ± 0.190 χ^2/NDF : 4922.1/39

- sign 3.281 ± 0.301 χ^2/NDF : 2663.2/20

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231 ± 0.417 χ^2/NDF : 1971.1/15

Left Out: -55.529 ± 0.402 χ^2/NDF : 24.2/2

Right Out: -81.523 ± 0.462 χ^2/NDF : 2293.2/18

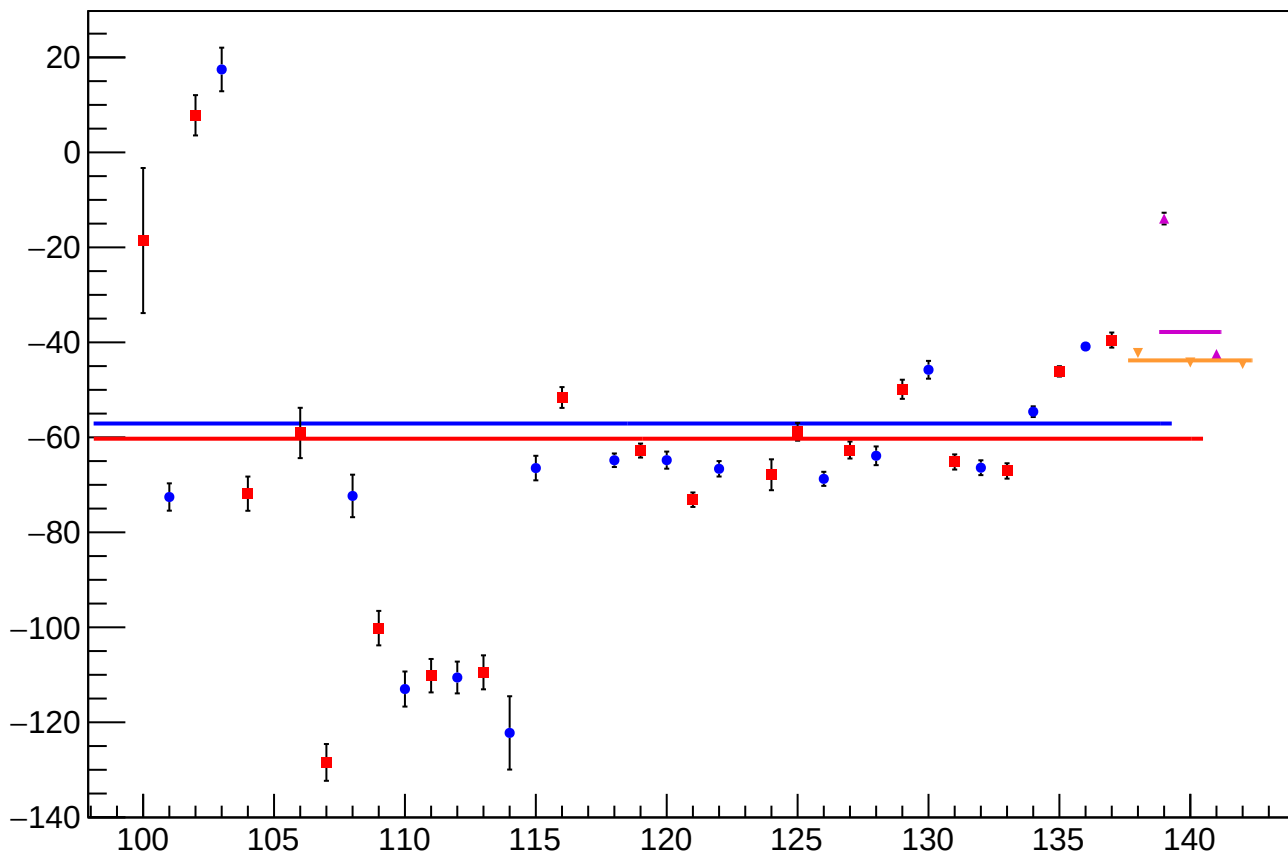
Left In: -61.448 ± 0.485 χ^2/NDF : 74.1/1

+ sign -67.909 ± 0.289 χ^2/NDF : 3966.0/18

All: -69.652 ± 0.219 χ^2/NDF : 7316.9/39

- sign -71.982 ± 0.334 χ^2/NDF : 3266.1/20

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF : 1526.8/15

Left Out: -43.799+/-0.378 χ^2/NDF : 6.2/2

Right Out: -60.287+/-0.470 χ^2/NDF : 1587.9/18

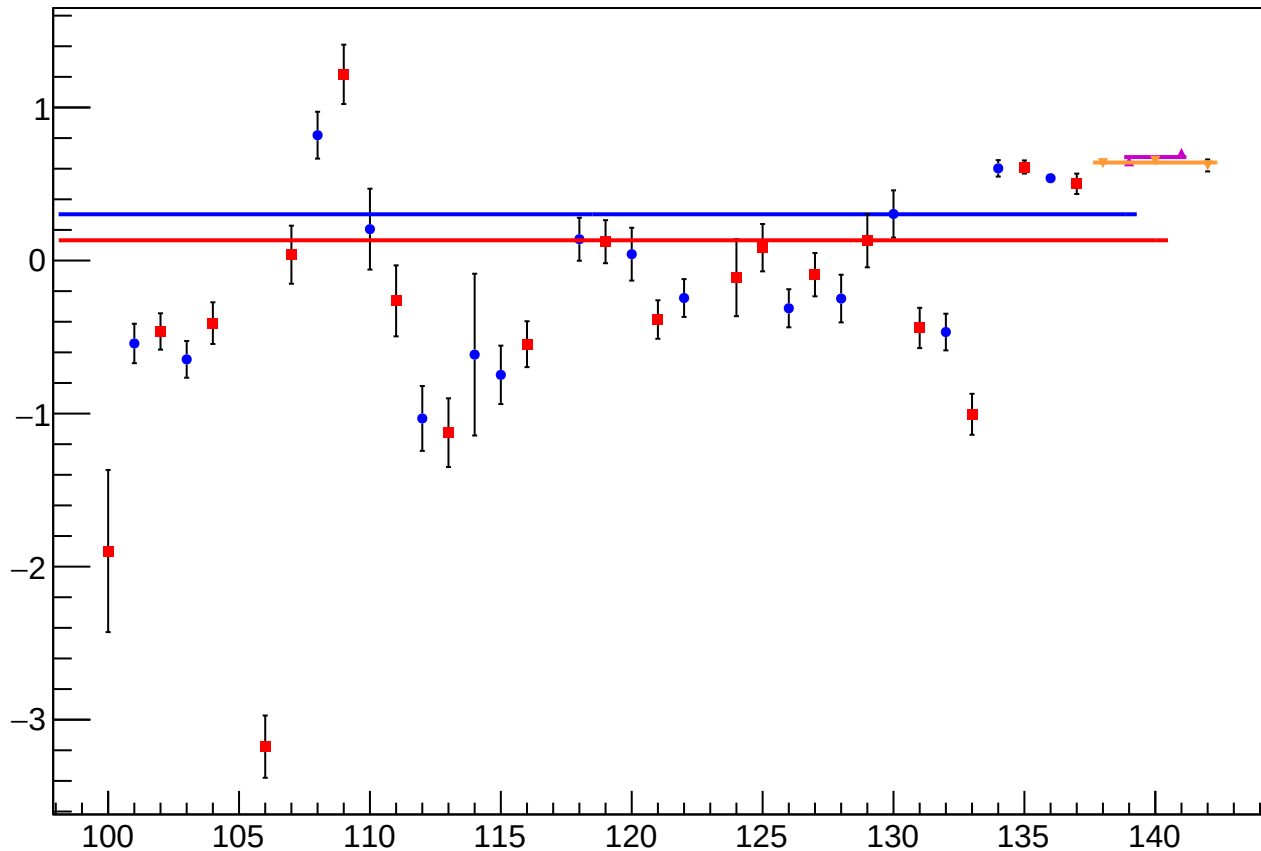
Left In: -37.818+/-0.498 χ^2/NDF : 447.5/1

+ sign -49.664+/-0.283 χ^2/NDF : 2077.4/18

All: -49.677+/-0.218 χ^2/NDF : 5190.0/39

- sign -49.696+/-0.342 χ^2/NDF : 3112.5/20

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302 $\pm$ 0.023 χ^2 /NDF: 374.8/15

Left Out: 0.640 $\pm$ 0.017 χ^2 /NDF: 0.5/2

Right Out: 0.132 $\pm$ 0.027 χ^2 /NDF: 672.5/18

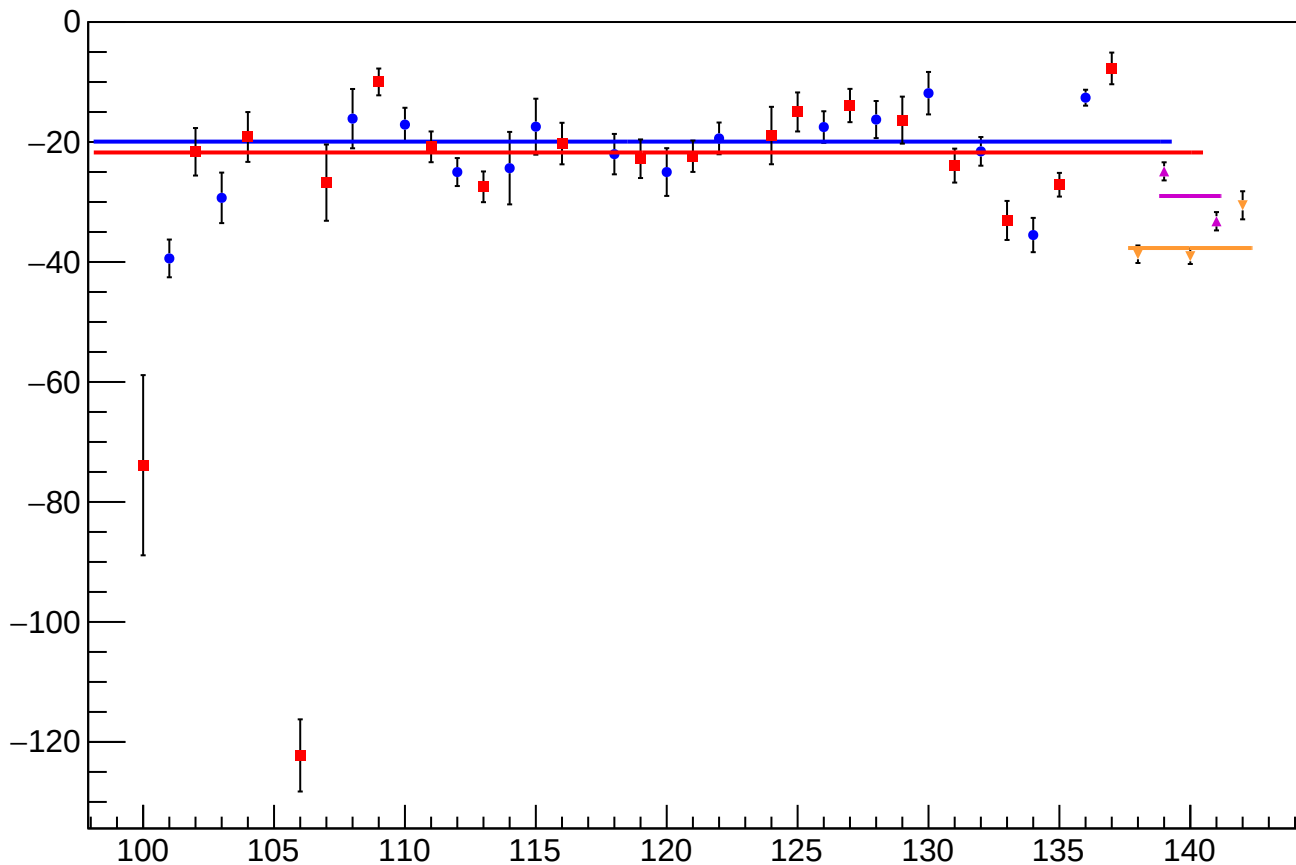
Left In: 0.676 $\pm$ 0.019 χ^2 /NDF: 2.1/1

+ sign 0.520 $\pm$ 0.014 χ^2 /NDF: 515.1/18

All: 0.509 $\pm$ 0.010 χ^2 /NDF: 1472.6/39

- sign 0.496 $\pm$ 0.015 χ^2 /NDF: 956.1/20

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935 ± 0.695 χ^2/NDF : 120.6/15

Left Out: -37.672 ± 0.895 χ^2/NDF : 10.9/2

Right Out: -21.746 ± 0.714 χ^2/NDF : 388.3/18

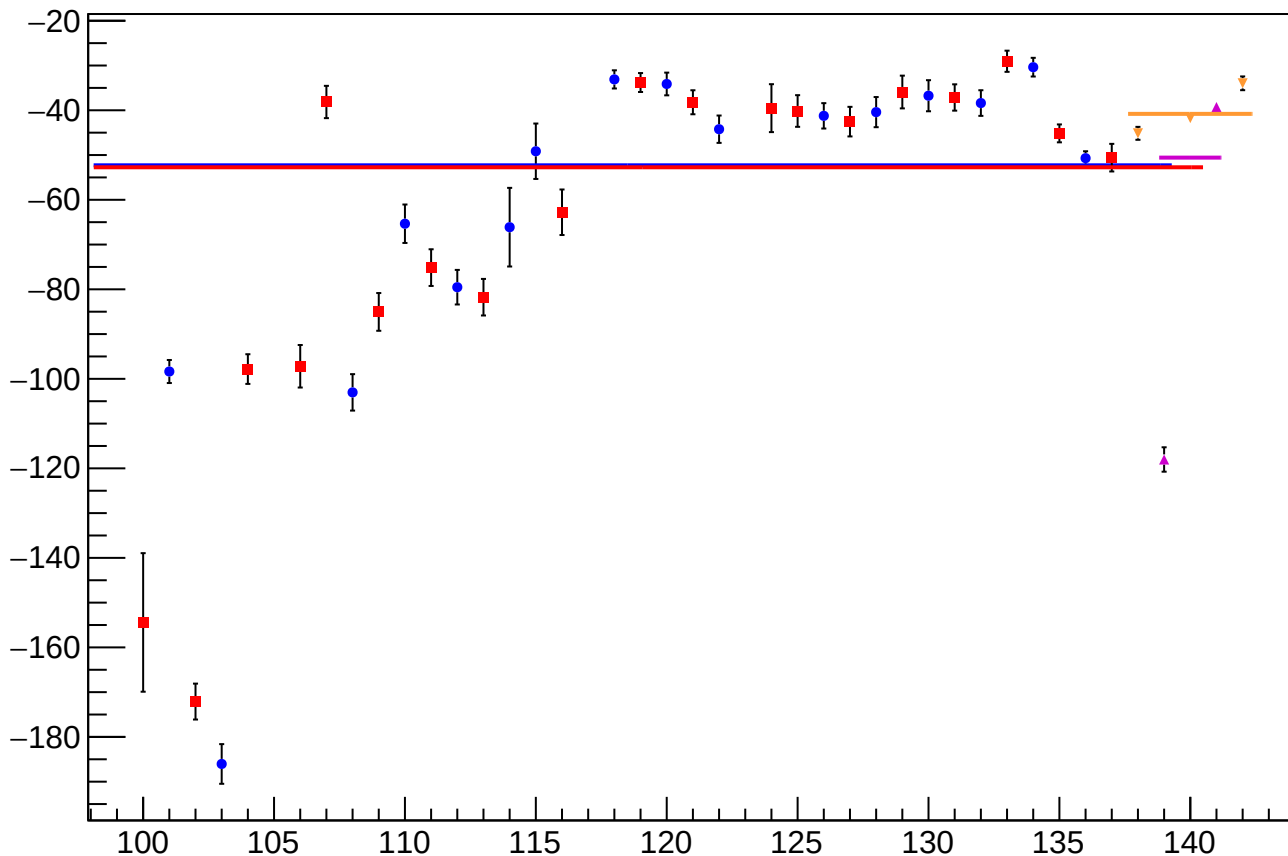
Left In: -29.001 ± 1.074 χ^2/NDF : 15.0/1

+ sign -26.600 ± 0.549 χ^2/NDF : 376.4/18

All: -25.389 ± 0.403 χ^2/NDF : 822.0/39

- sign -23.969 ± 0.594 χ^2/NDF : 435.0/20

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296 $\pm$ 0.708 χ^2 /NDF: 1778.2/15

Left Out: -40.802 $\pm$ 0.753 χ^2 /NDF: 29.6/2

Right Out: -52.737 $\pm$ 0.748 χ^2 /NDF: 1662.5/18

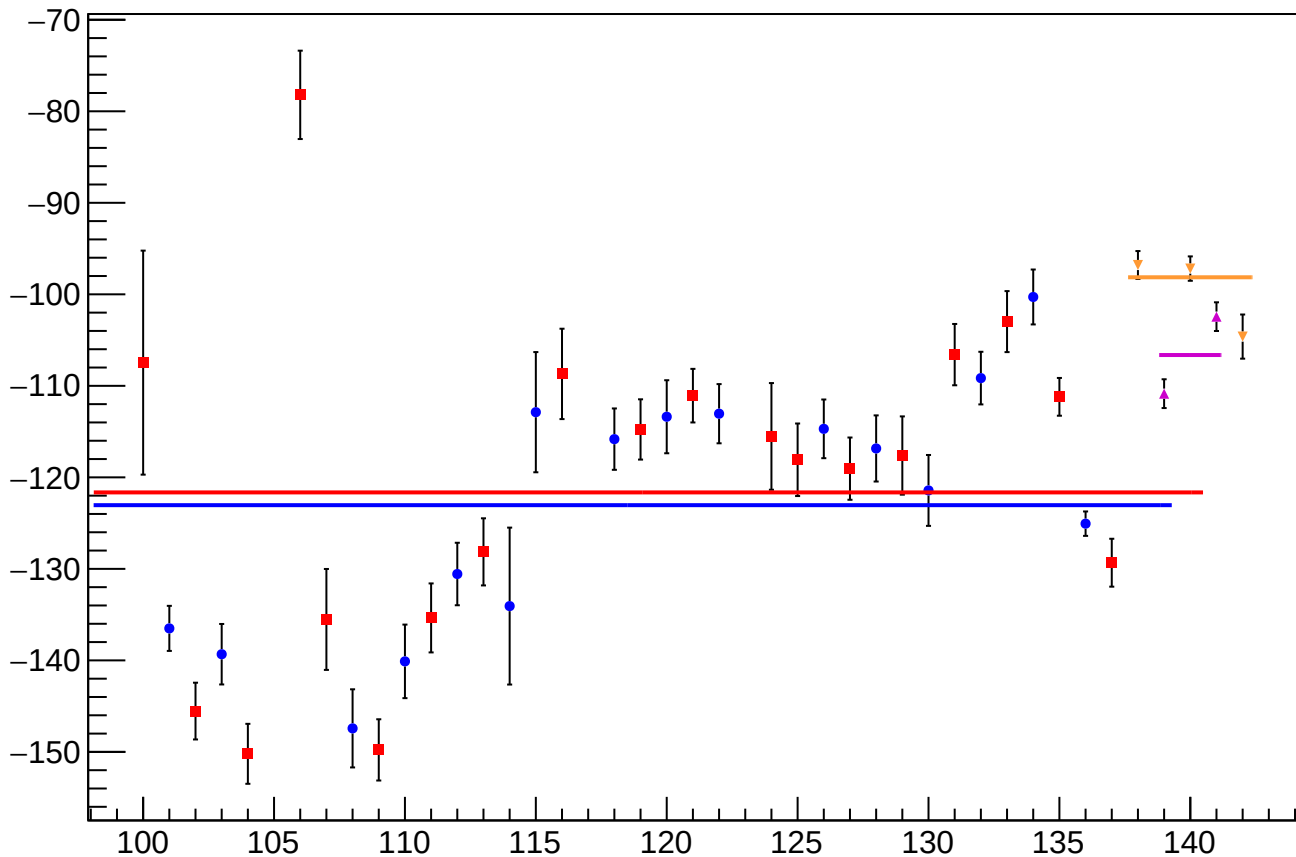
Left In: -50.577 $\pm$ 1.033 χ^2 /NDF: 714.4/1

+ sign -46.900 $\pm$ 0.516 χ^2 /NDF: 1931.5/18

All: -49.040 $\pm$ 0.393 χ^2 /NDF: 4352.2/39

- sign -51.994 $\pm$ 0.606 χ^2 /NDF: 2379.8/20

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF : 226.8/15

Left Out: -98.139+/-0.926 χ^2/NDF : 8.5/2

Right Out: -121.646+/-0.801 χ^2/NDF : 424.5/18

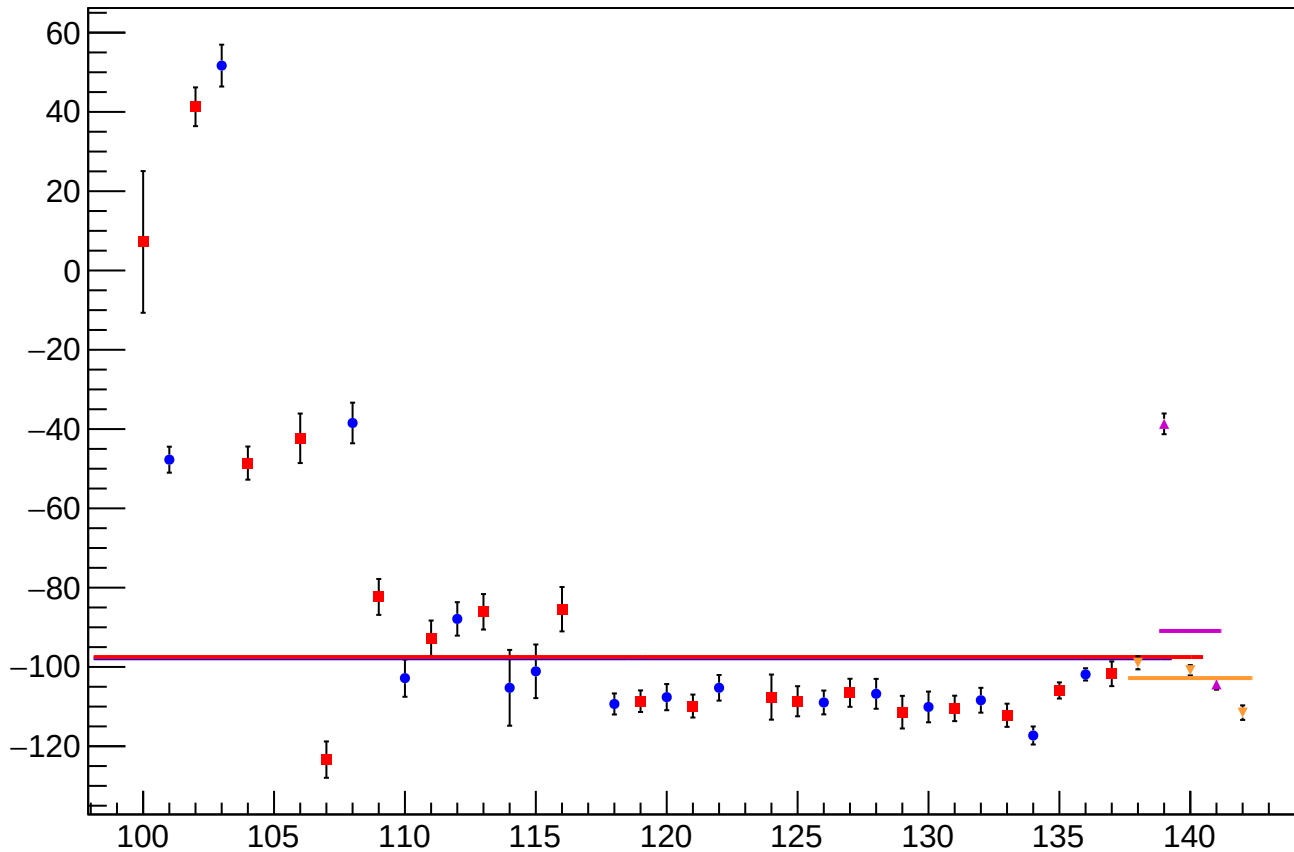
Left In: -106.633+/-1.110 χ^2/NDF : 14.4/1

+ sign -113.178+/-0.583 χ^2/NDF : 671.8/18

All: -114.661+/-0.434 χ^2/NDF : 1245.5/39

- sign -116.504+/-0.650 χ^2/NDF : 559.1/20

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814 ± 0.793 χ^2/NDF : 1330.8/15

Left Out: -102.806 ± 0.891 χ^2/NDF : 30.3/2

Right Out: -97.504 ± 0.843 χ^2/NDF : 1236.4/18

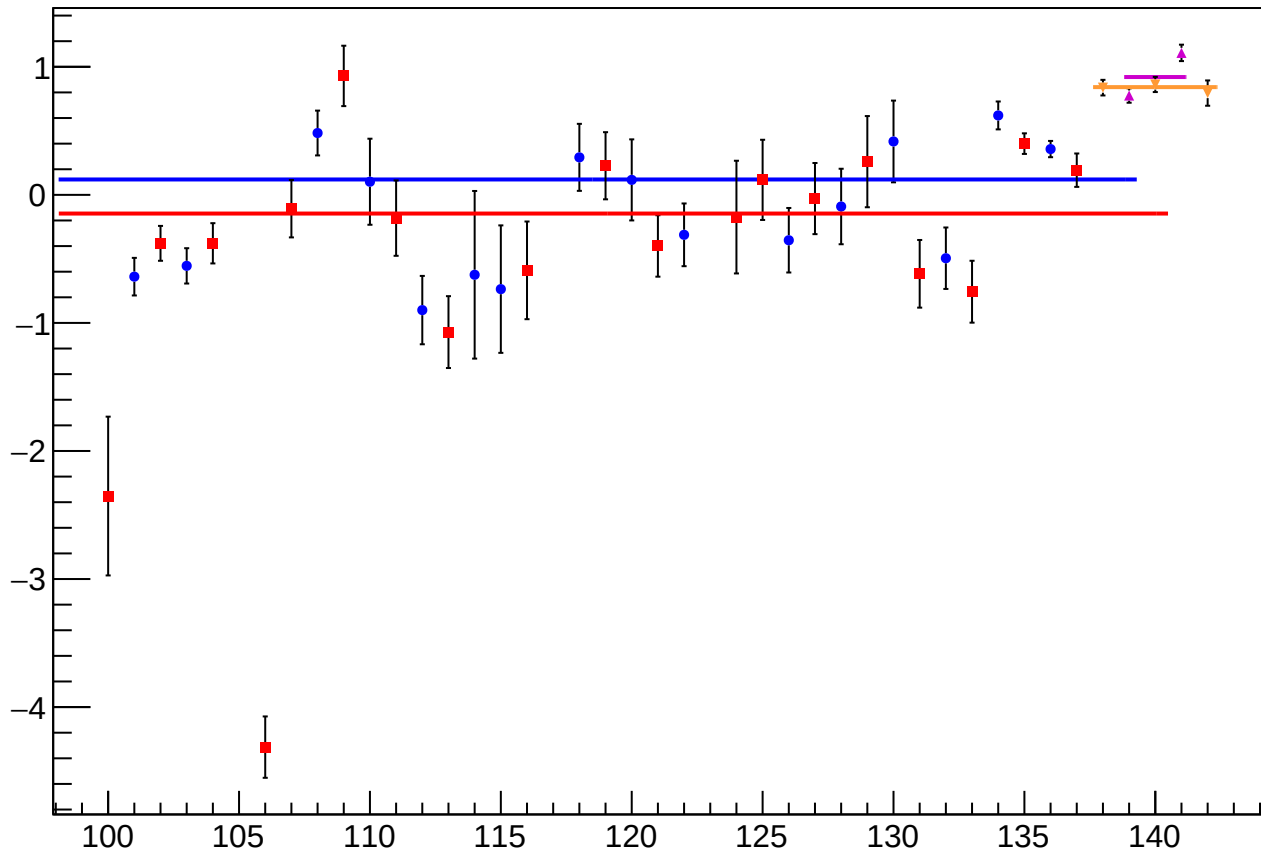
Left In: -90.923 ± 1.185 χ^2/NDF : 502.0/1

+ sign -100.020 ± 0.592 χ^2/NDF : 1378.7/18

All: -98.003 ± 0.449 χ^2/NDF : 3164.8/39

- sign -95.292 ± 0.687 χ^2/NDF : 1759.0/20

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120 ± 0.041 χ^2/NDF : 123.9/15

Left Out: 0.841 ± 0.039 χ^2/NDF : 0.3/2

Right Out: -0.146 ± 0.045 χ^2/NDF : 421.0/18

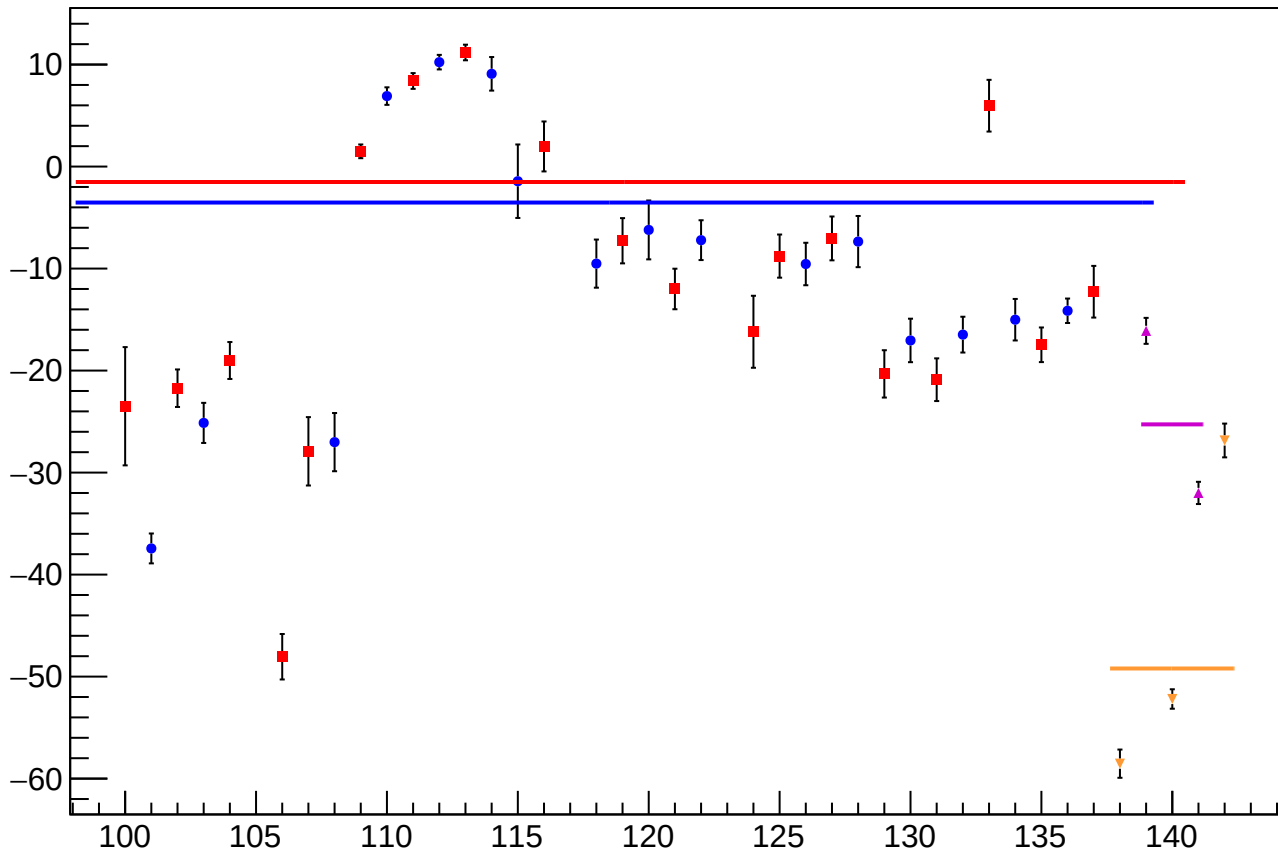
Left In: 0.920 ± 0.042 χ^2/NDF : 15.3/1

+ sign 0.501 ± 0.028 χ^2/NDF : 285.8/18

All: 0.463 ± 0.021 χ^2/NDF : 1025.0/39

- sign 0.419 ± 0.031 χ^2/NDF : 735.4/20

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527 ± 0.377 χ^2/NDF : 1529.1/15

Left Out: -49.205 ± 0.710 χ^2/NDF : 237.6/2

Right Out: -1.513 ± 0.338 χ^2/NDF : 1524.7/18

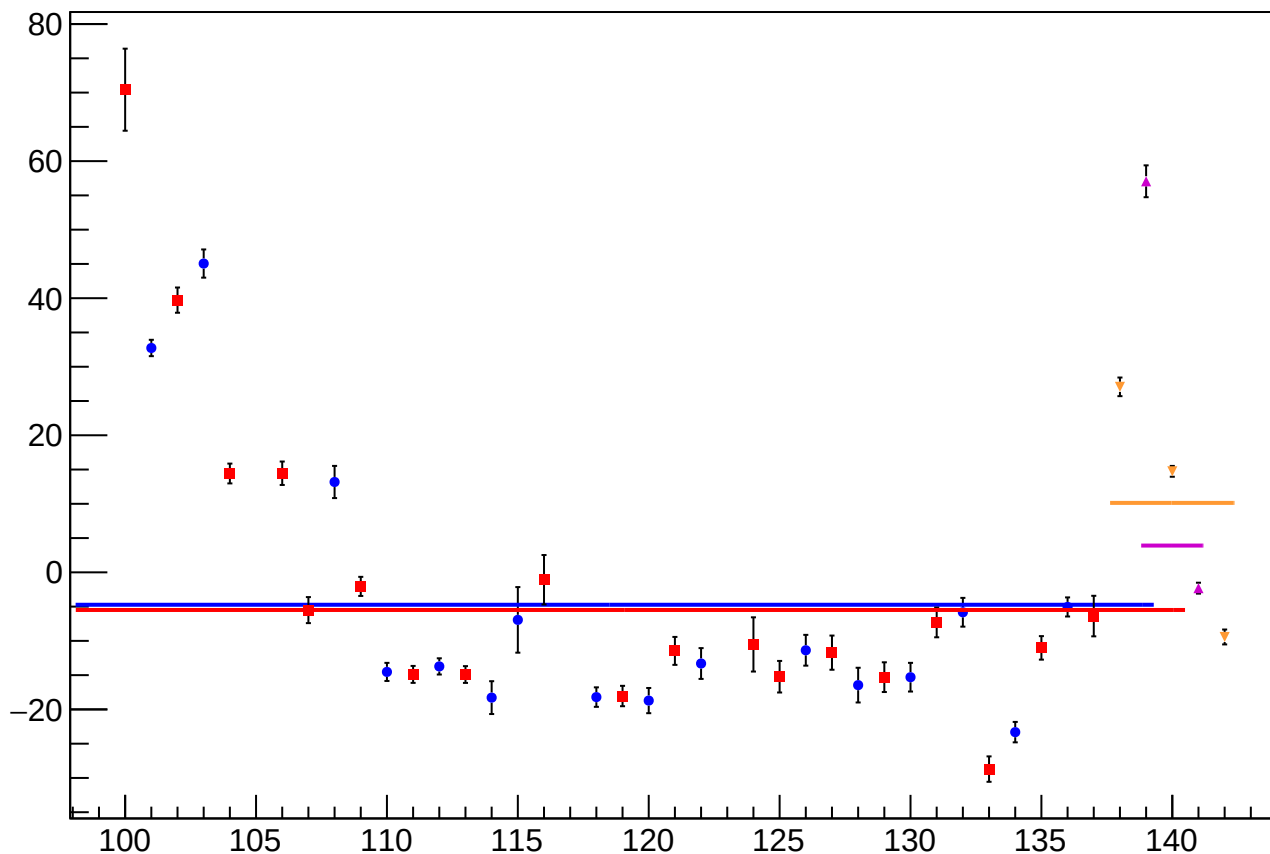
Left In: -25.273 ± 0.828 χ^2/NDF : 89.9/1

+ sign -13.574 ± 0.333 χ^2/NDF : 4999.4/18

All: -8.984 ± 0.228 χ^2/NDF : 7678.8/39

- sign -4.917 ± 0.313 χ^2/NDF : 2320.6/20

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729 ± 0.431 χ^2/NDF : 2148.0/15

Left Out: 10.133 ± 0.578 χ^2/NDF : 513.1/2

Right Out: -5.491 ± 0.422 χ^2/NDF : 1508.6/18

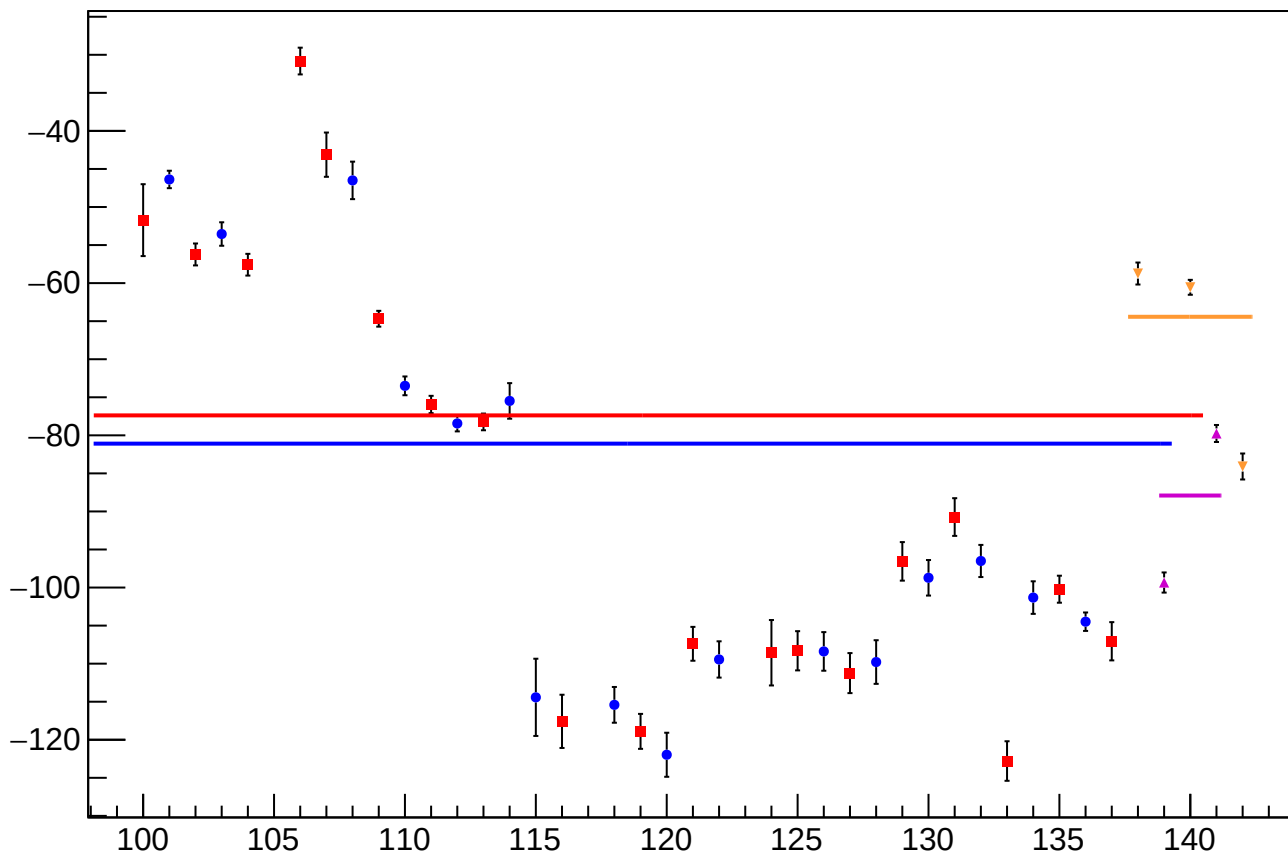
Left In: 3.907 ± 0.752 χ^2/NDF : 584.1/1

+ sign 0.574 ± 0.346 χ^2/NDF : 3085.8/18

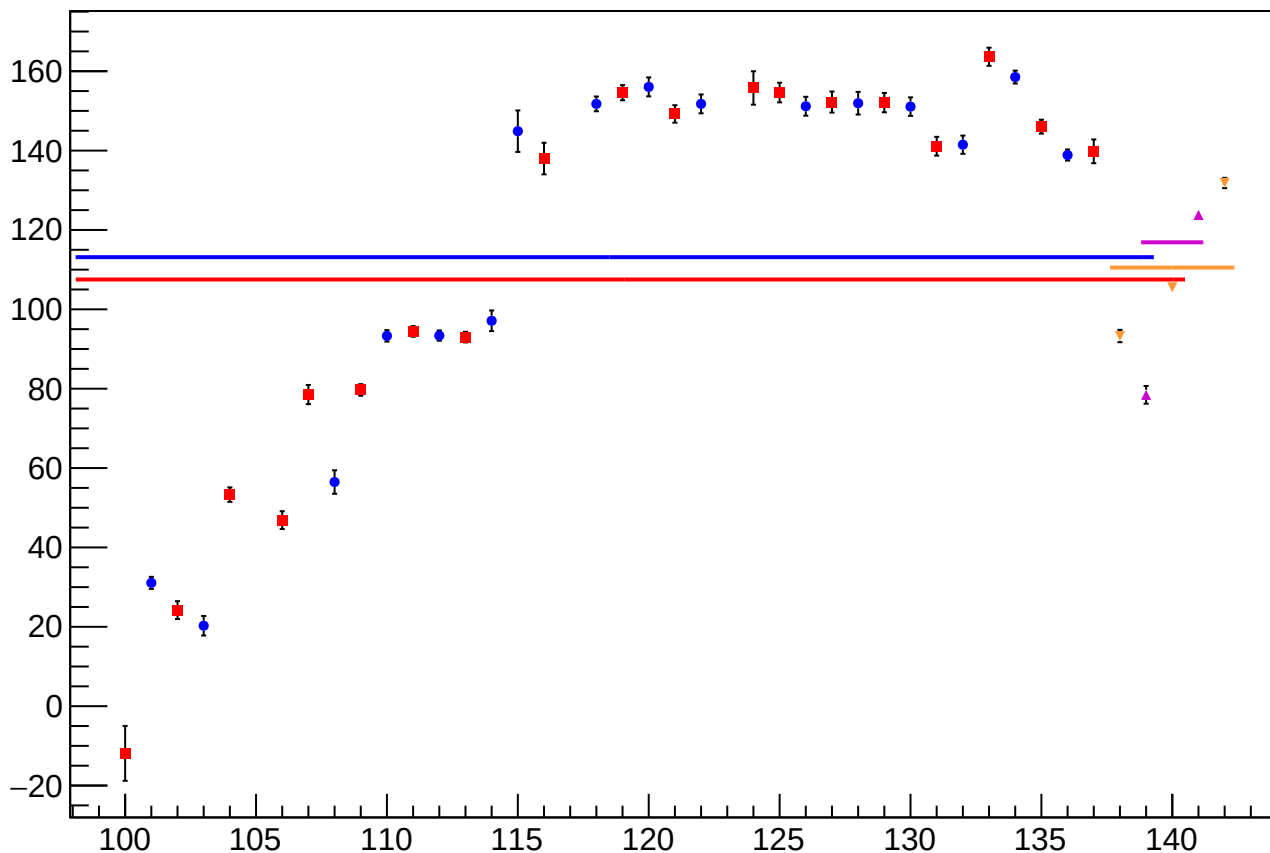
All: -1.212 ± 0.252 χ^2/NDF : 5354.2/39

- sign -3.240 ± 0.368 χ^2/NDF : 2211.4/20

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143 $\pm$ 0.489 χ^2 /NDF: 8204.1/15

Left Out: 110.524 $\pm$ 0.688 χ^2 /NDF: 419.7/2

Right Out: 107.515 $\pm$ 0.479 χ^2 /NDF: 7544.0/18

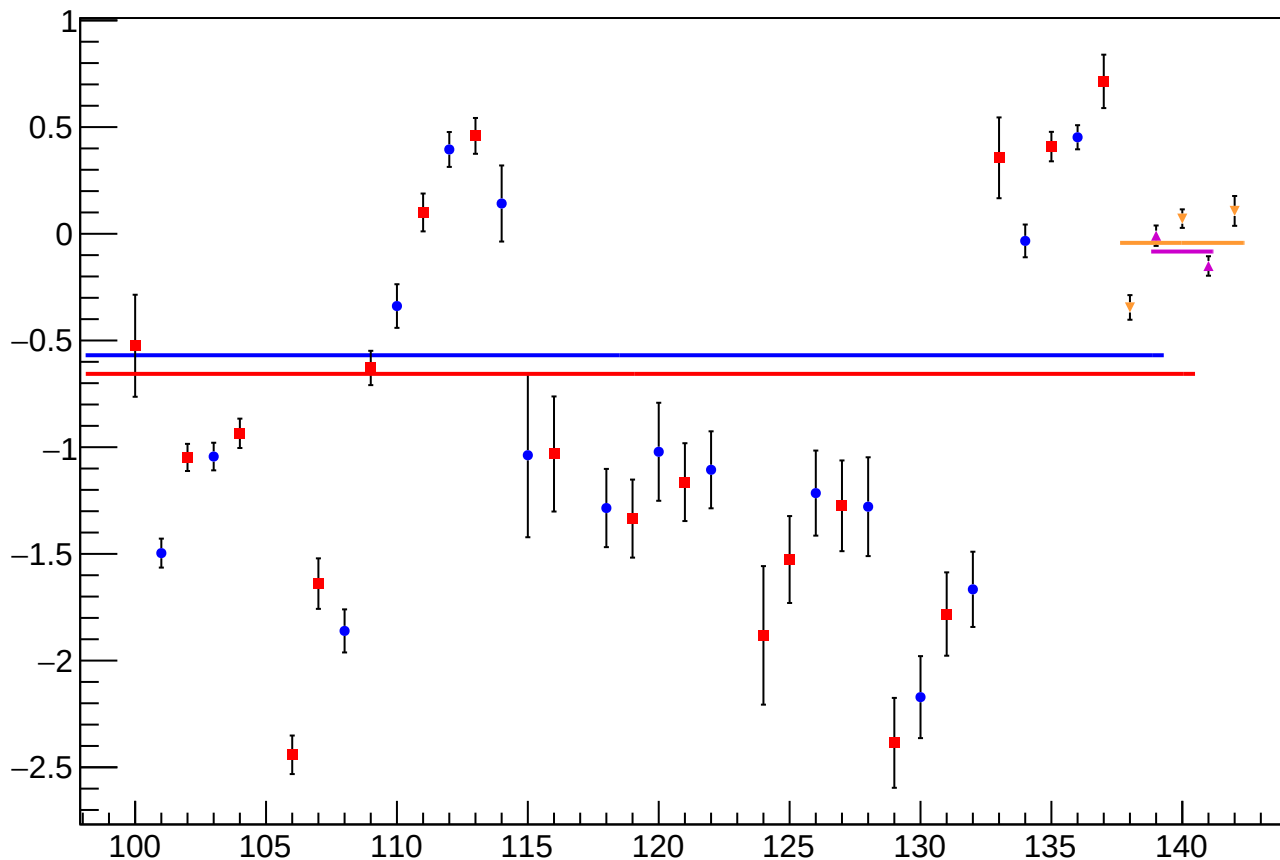
Left In: 116.886 $\pm$ 0.871 χ^2 /NDF: 350.0/1

+ sign 112.264 $\pm$ 0.399 χ^2 /NDF: 8633.4/18

All: 111.046 $\pm$ 0.289 χ^2 /NDF: 16636.0/39

- sign 109.694 $\pm$ 0.420 χ^2 /NDF: 7982.9/20

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569 ± 0.026 χ^2/NDF : 1097.4/15

Left Out: -0.043 ± 0.031 χ^2/NDF : 38.9/2

Right Out: -0.656 ± 0.025 χ^2/NDF : 1315.2/18

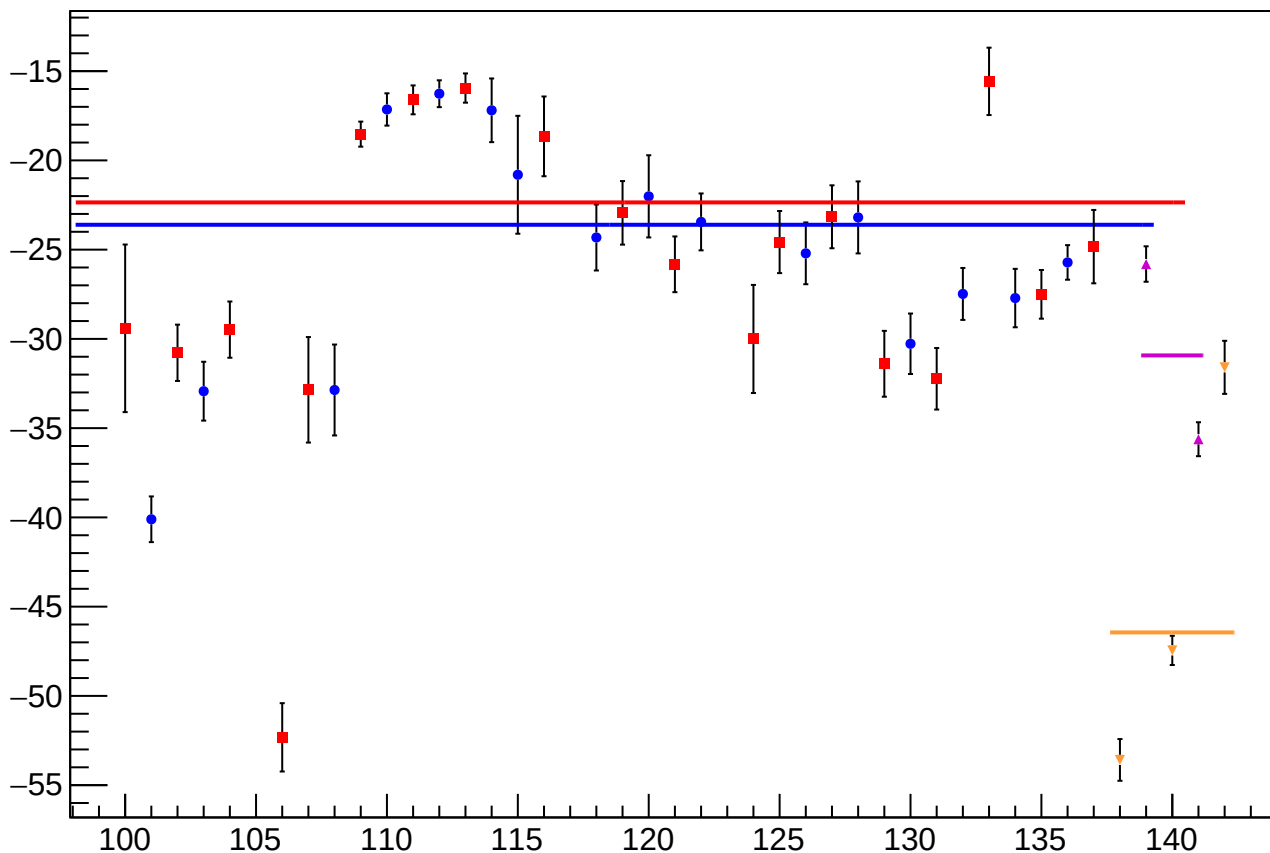
Left In: -0.083 ± 0.033 χ^2/NDF : 4.6/1

+ sign -0.354 ± 0.020 χ^2/NDF : 1306.2/18

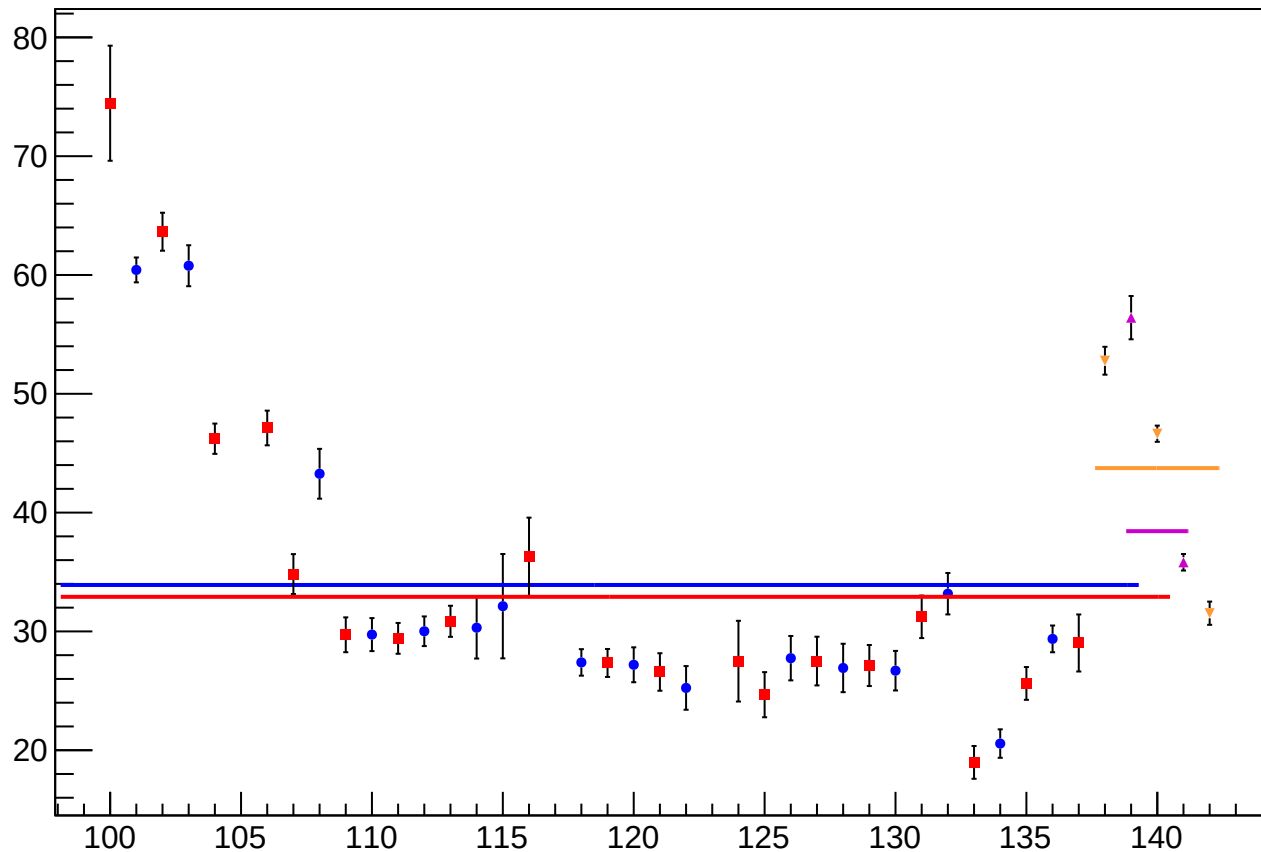
All: -0.400 ± 0.014 χ^2/NDF : 2826.7/39

- sign -0.445 ± 0.020 χ^2/NDF : 1510.1/20

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909 $\pm$ 0.375 χ^2/NDF : 1184.4/15

Left Out: 43.746 $\pm$ 0.505 χ^2/NDF : 233.5/2

Right Out: 32.911 $\pm$ 0.373 χ^2/NDF : 875.0/18

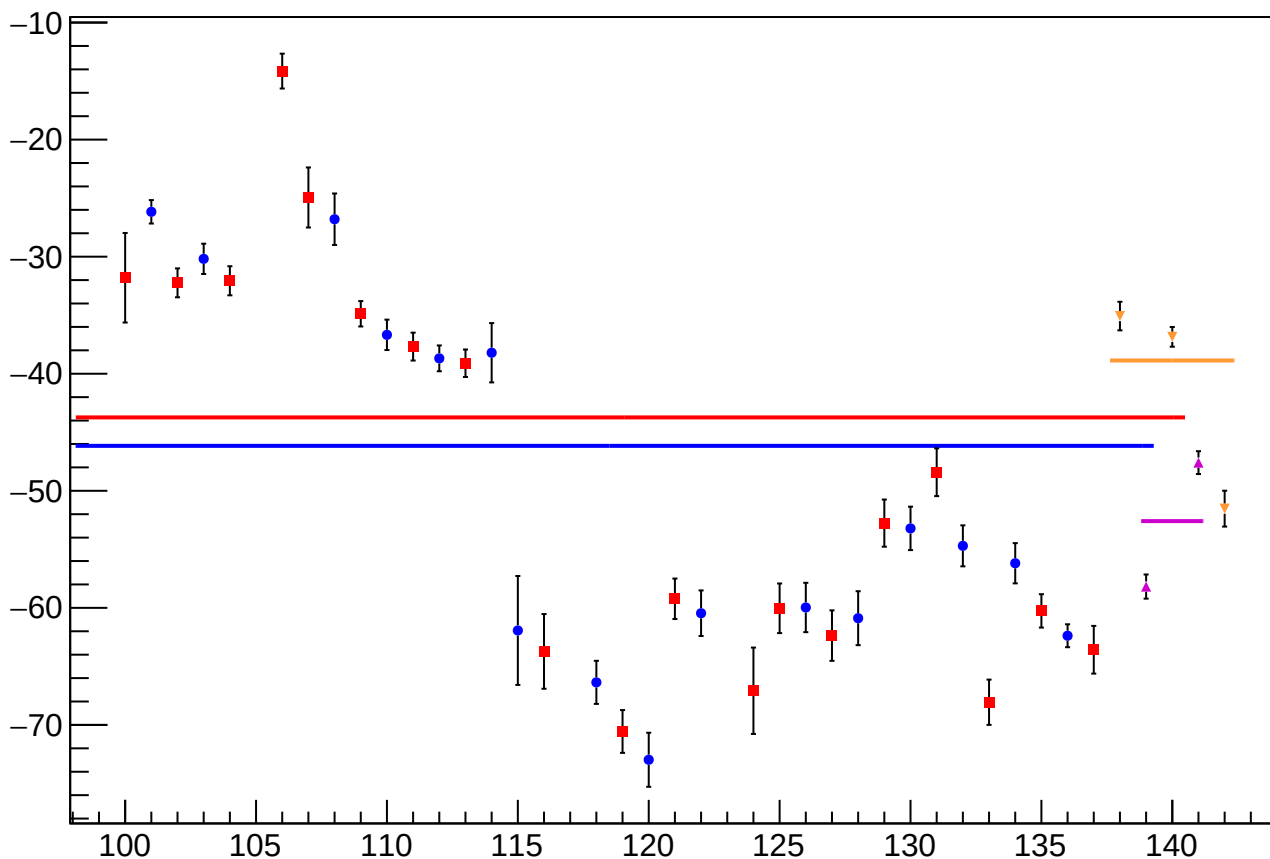
Left In: 38.439 $\pm$ 0.650 χ^2/NDF : 111.4/1

+ sign 37.409 $\pm$ 0.301 χ^2/NDF : 1662.4/18

All: 35.954 $\pm$ 0.220 χ^2/NDF : 2753.4/39

- sign 34.279 $\pm$ 0.323 χ^2/NDF : 1040.8/20

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160 ± 0.390 $\chi^2/\text{NDF}: 1489.6/15$

Left Out: -38.868 ± 0.632 $\chi^2/\text{NDF}: 83.7/2$

Right Out: -43.730 ± 0.378 $\chi^2/\text{NDF}: 1663.4/18$

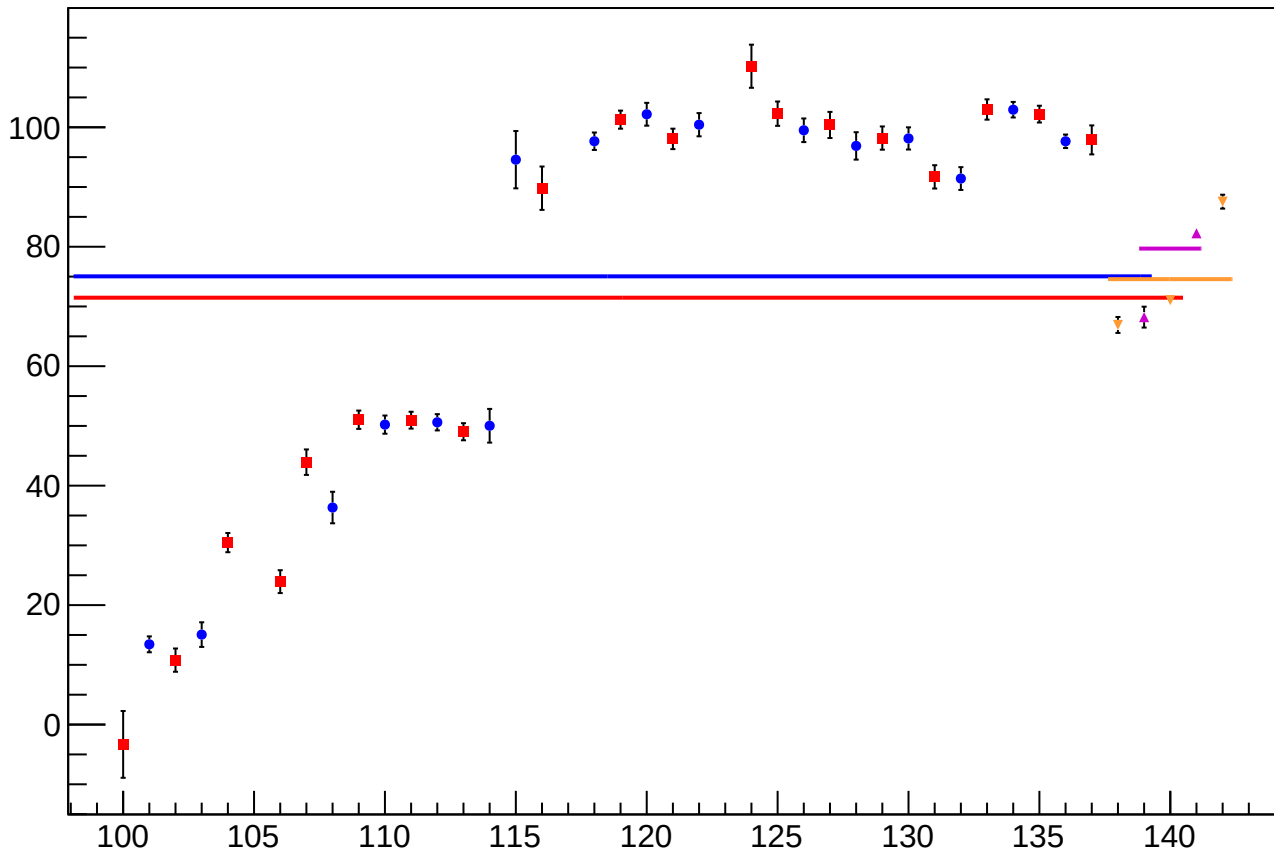
Left In: -52.590 ± 0.709 $\chi^2/\text{NDF}: 55.6/1$

+ sign -44.150 ± 0.332 $\chi^2/\text{NDF}: 1669.8/18$

All: -44.917 ± 0.235 $\chi^2/\text{NDF}: 3521.0/39$

- sign -45.693 ± 0.334 $\chi^2/\text{NDF}: 1840.4/20$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042 +/- 0.427 χ^2/NDF : 5828.3/15

Left Out: 74.573 +/- 0.599 χ^2/NDF : 175.1/2

Right Out: 71.468 +/- 0.426 χ^2/NDF : 5628.2/18

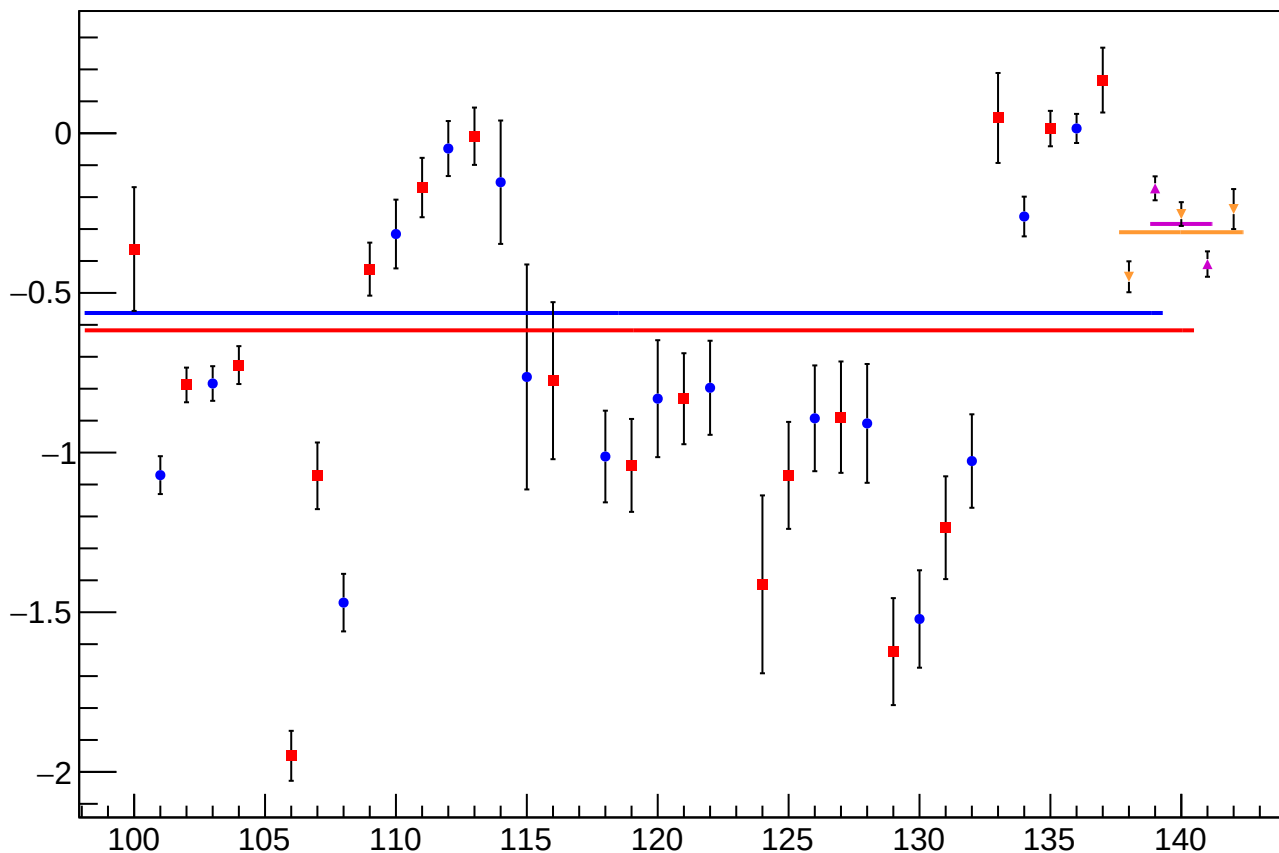
Left In: 79.691 +/- 0.748 χ^2/NDF : 52.6/1

+ sign 74.884 +/- 0.348 χ^2/NDF : 6003.8/18

All: 74.226 +/- 0.253 χ^2/NDF : 11783.5/39

- sign 73.481 +/- 0.370 χ^2/NDF : 5772.1/20

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563 ± 0.022 χ^2/NDF : 493.0/15

Left Out: -0.310 ± 0.027 χ^2/NDF : 12.0/2

Right Out: -0.617 ± 0.022 χ^2/NDF : 690.0/18

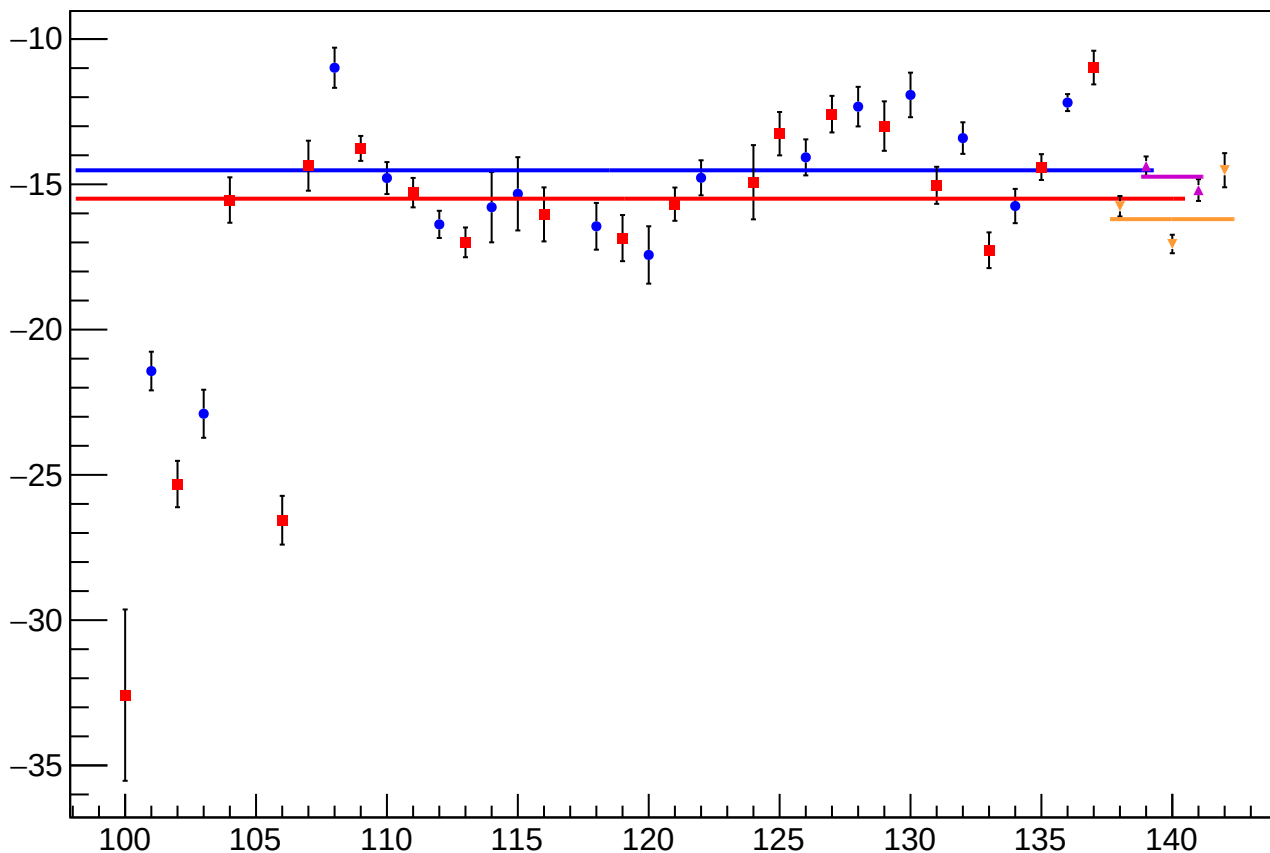
Left In: -0.284 ± 0.027 χ^2/NDF : 18.8/1

+ sign -0.459 ± 0.017 χ^2/NDF : 557.9/18

All: -0.472 ± 0.012 χ^2/NDF : 1357.6/39

- sign -0.485 ± 0.017 χ^2/NDF : 798.6/20

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: -16.198 +/- 0.219 χ^2/NDF : 17.1/2

Right Out: -15.494 +/- 0.150 χ^2/NDF : 503.8/18

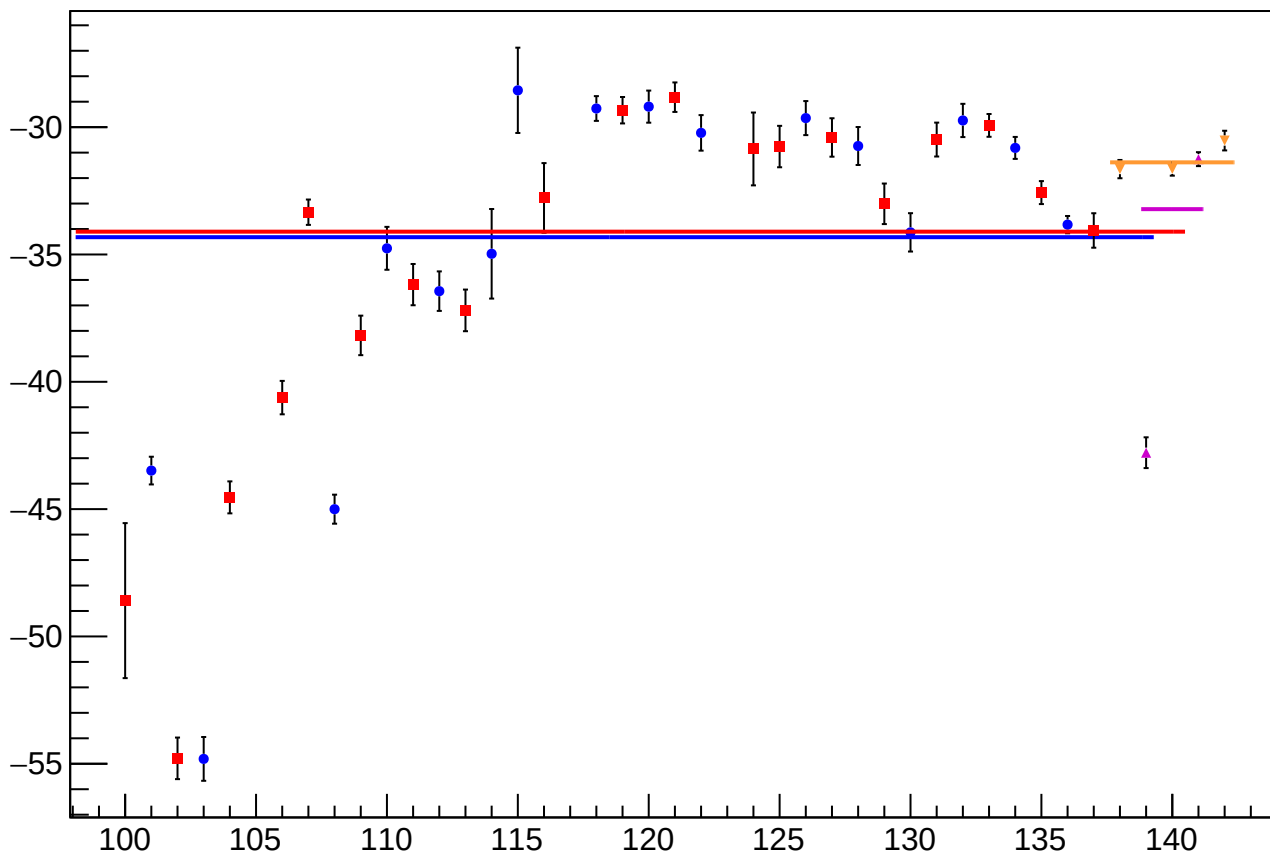
Left In: -14.738 +/- 0.249 χ^2/NDF : 2.7/1

+ sign -15.051 +/- 0.123 χ^2/NDF : 420.6/18

All: -15.167 +/- 0.089 χ^2/NDF : 935.7/39

- sign -15.292 +/- 0.128 χ^2/NDF : 513.3/20

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321 ± 0.153 $\chi^2/\text{NDF}: 1620.5/15$

Left Out: -31.382 ± 0.187 $\chi^2/\text{NDF}: 6.4/2$

Right Out: -34.104 ± 0.154 $\chi^2/\text{NDF}: 1434.8/18$

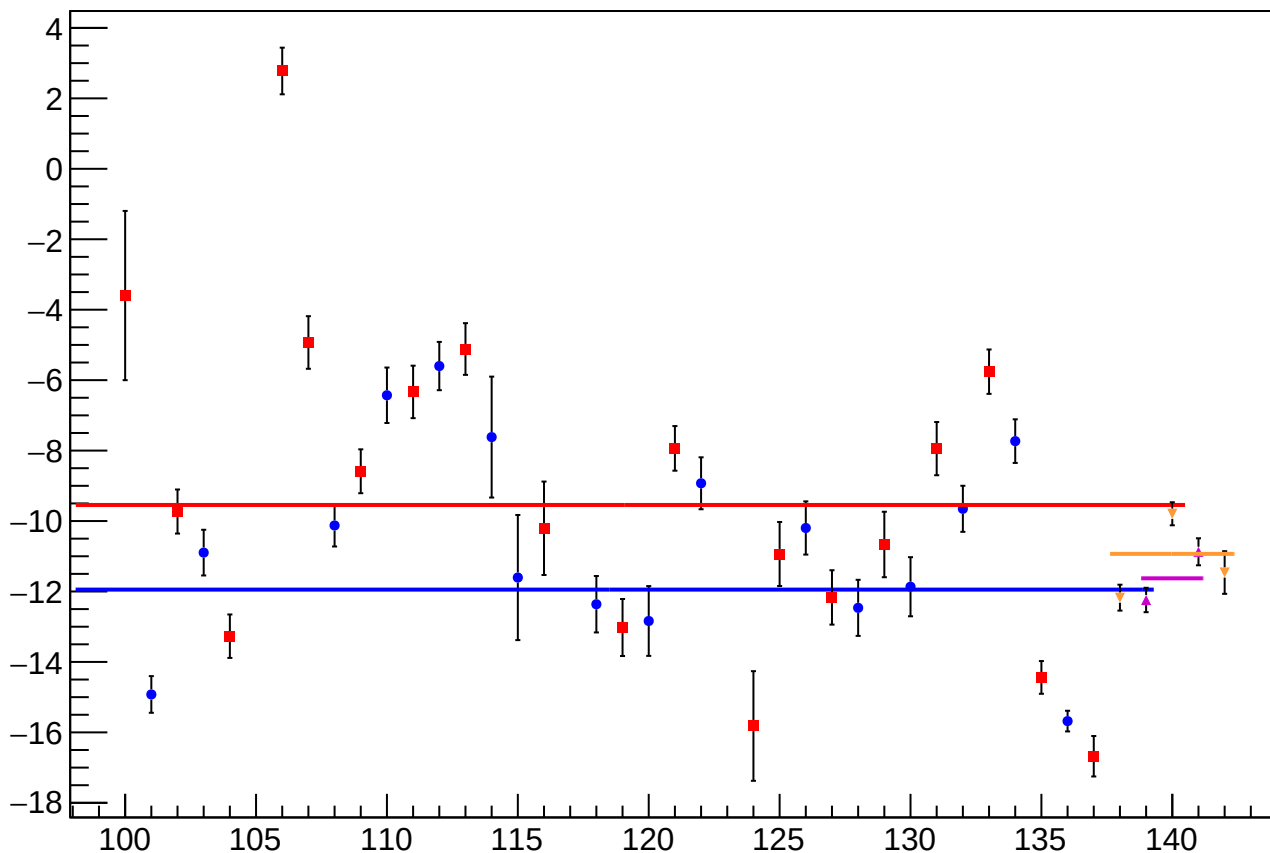
Left In: -33.220 ± 0.249 $\chi^2/\text{NDF}: 302.0/1$

+ sign -33.137 ± 0.118 $\chi^2/\text{NDF}: 1775.0/18$

All: -33.462 ± 0.088 $\chi^2/\text{NDF}: 3537.6/39$

- sign -33.859 ± 0.131 $\chi^2/\text{NDF}: 1745.8/20$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.946 ± 0.160 $\chi^2/\text{NDF}: 430.0/15$

Left Out: -10.932 ± 0.227 $\chi^2/\text{NDF}: 24.3/2$

Right Out: -9.544 ± 0.165 $\chi^2/\text{NDF}: 847.1/18$

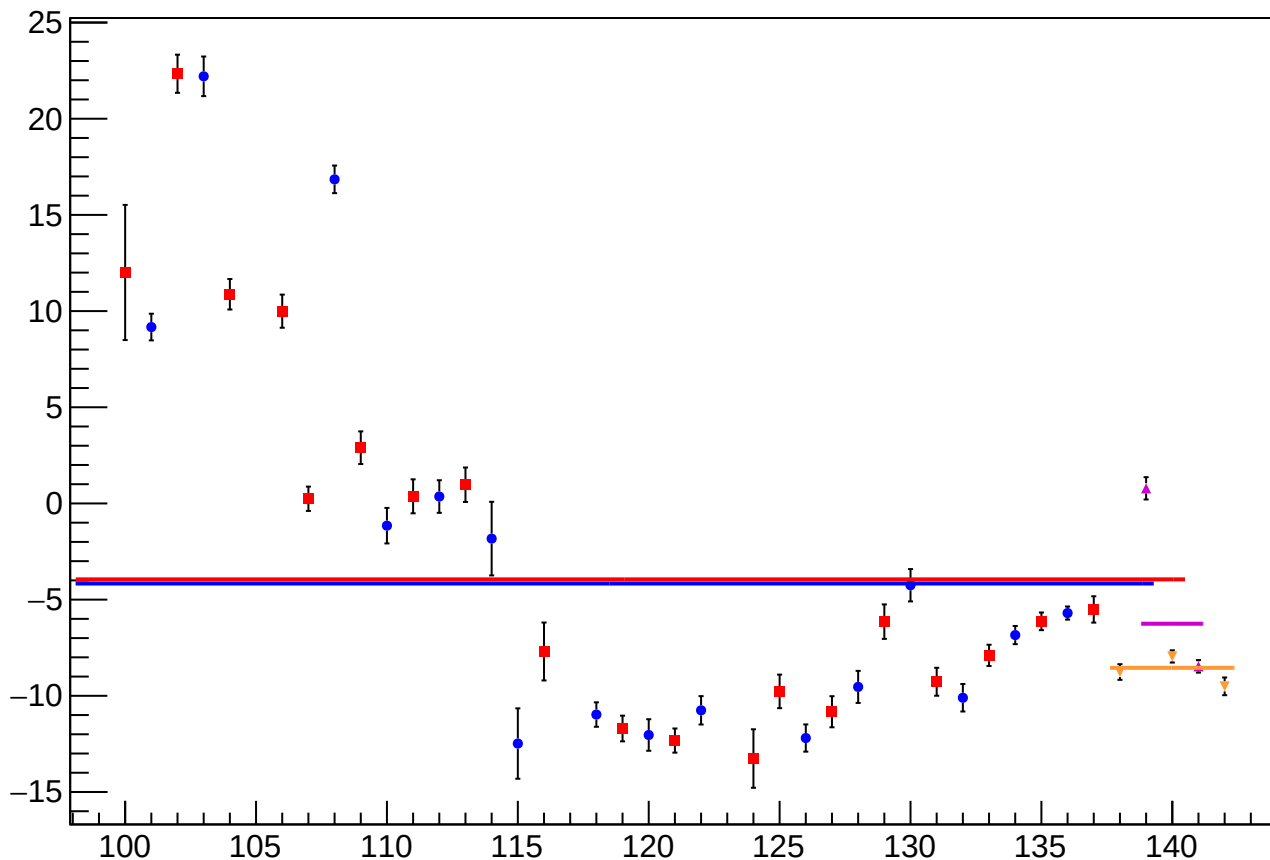
Left In: -11.627 ± 0.257 $\chi^2/\text{NDF}: 7.0/1$

+ sign -11.609 ± 0.131 $\chi^2/\text{NDF}: 467.7/18$

All: -10.925 ± 0.095 $\chi^2/\text{NDF}: 1426.5/39$

- sign -10.152 ± 0.139 $\chi^2/\text{NDF}: 900.6/20$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163 $\pm$ 0.172 χ^2/NDF : 2525.0/15

Left Out: -8.545 $\pm$ 0.220 χ^2/NDF : 8.1/2

Right Out: -3.947 $\pm$ 0.176 χ^2/NDF : 2110.2/18

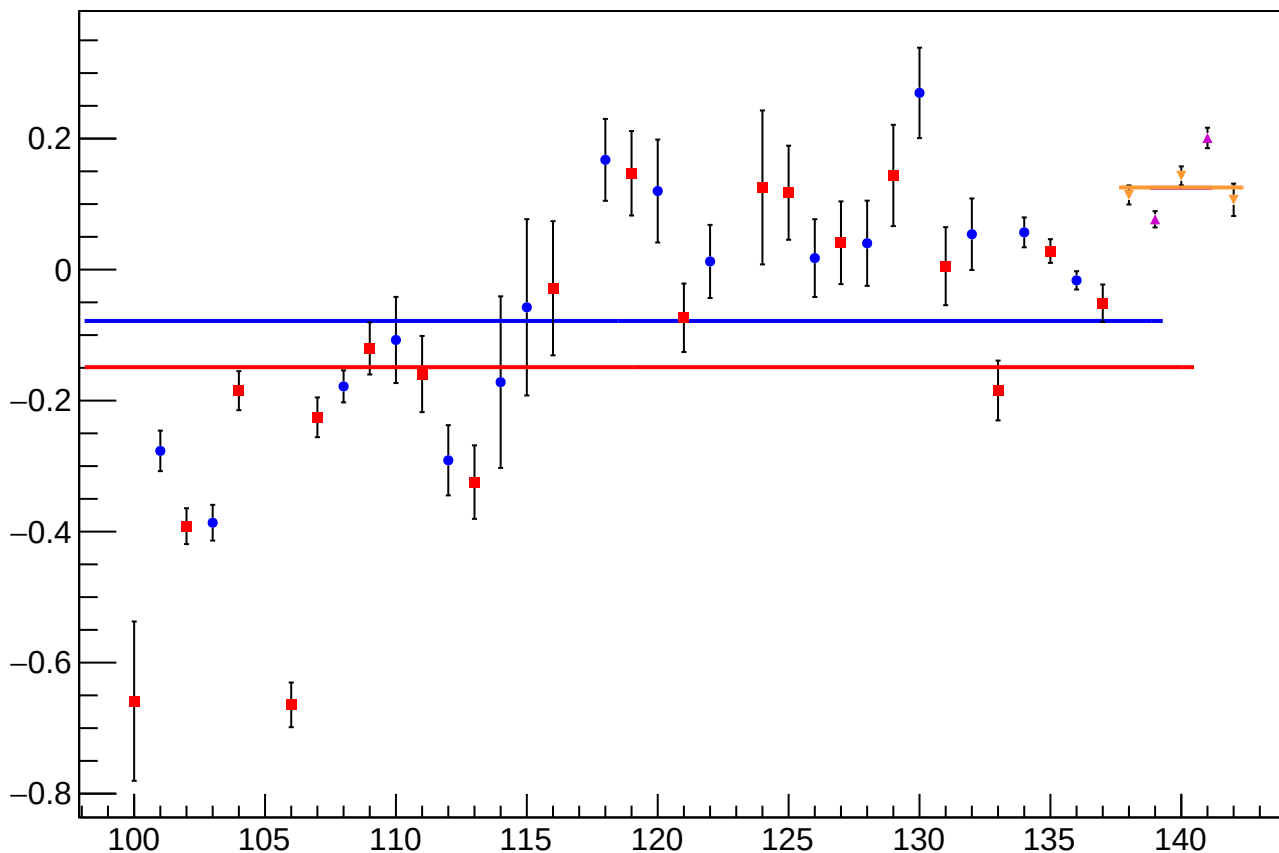
Left In: -6.253 $\pm$ 0.284 χ^2/NDF : 193.7/1

+ sign -5.823 $\pm$ 0.136 χ^2/NDF : 2779.2/18

All: -5.266 $\pm$ 0.100 χ^2/NDF : 5168.3/39

- sign -4.588 $\pm$ 0.150 χ^2/NDF : 2351.6/20

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078 $\pm$ 0.009 χ^2 /NDF: 318.8/15

Left Out: 0.125 $\pm$ 0.009 χ^2 /NDF: 2.7/2

Right Out: -0.149 $\pm$ 0.009 χ^2 /NDF: 524.8/18

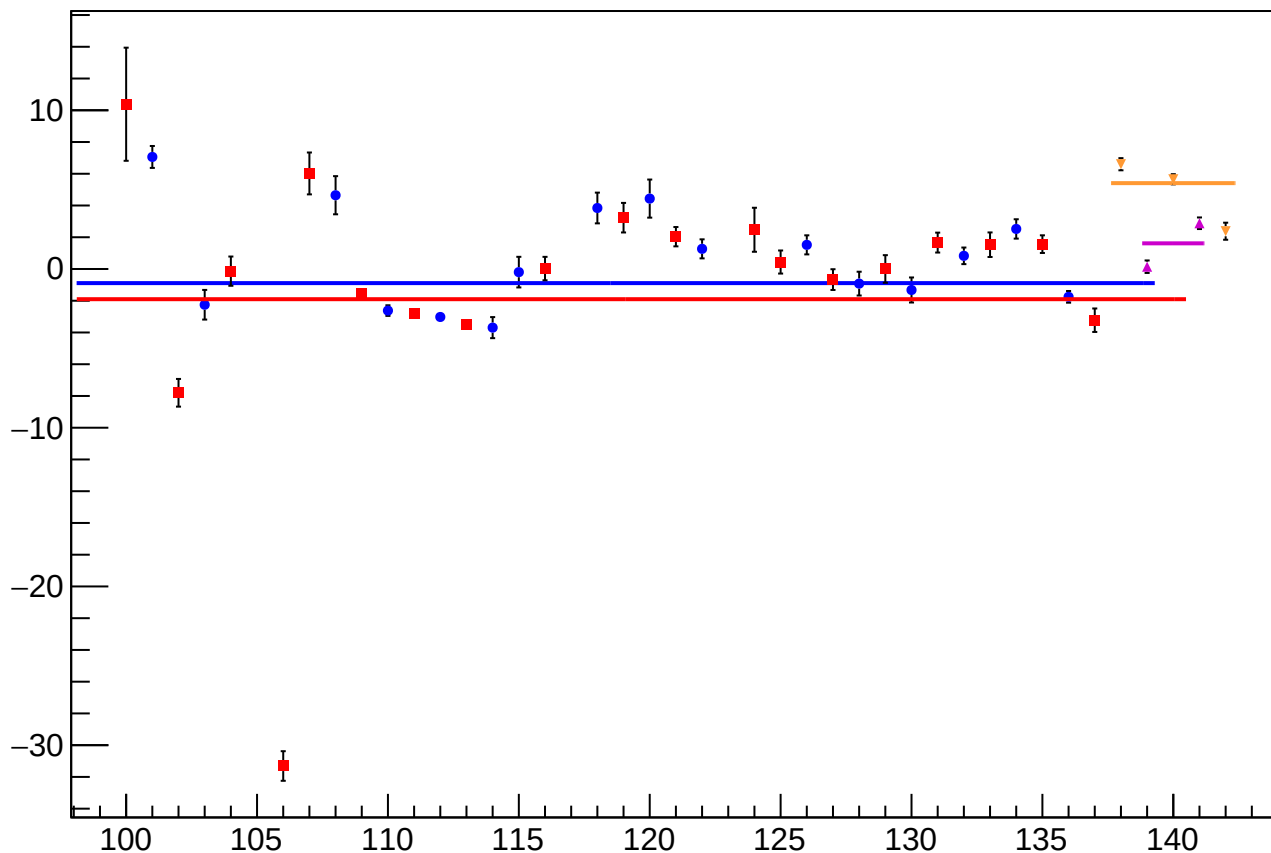
Left In: 0.125 $\pm$ 0.010 χ^2 /NDF: 38.6/1

+ sign 0.013 $\pm$ 0.006 χ^2 /NDF: 575.8/18

All: -0.003 $\pm$ 0.005 χ^2 /NDF: 1577.1/39

- sign -0.022 $\pm$ 0.007 χ^2 /NDF: 986.8/20

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.889 ± 0.137 χ^2/NDF : 380.3/15

Left Out: 5.409 ± 0.224 χ^2/NDF : 42.0/2

Right Out: -1.903 ± 0.128 χ^2/NDF : 1331.8/18

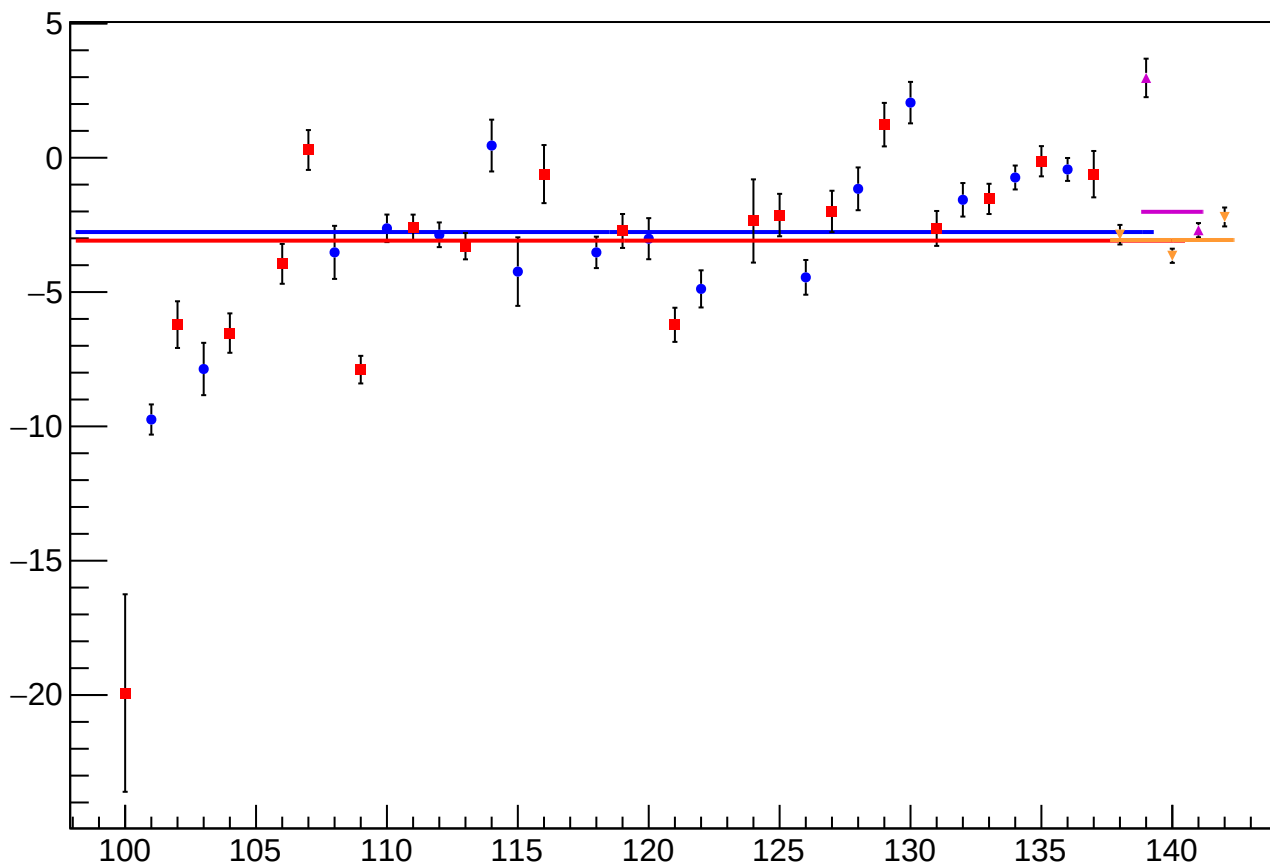
Left In: 1.616 ± 0.268 χ^2/NDF : 26.0/1

+ sign 0.822 ± 0.117 χ^2/NDF : 999.9/18

All: -0.219 ± 0.082 χ^2/NDF : 2656.6/39

- sign -1.245 ± 0.116 χ^2/NDF : 1498.3/20

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: -3.062 ± 0.183 χ^2/NDF : 11.2/2

Right Out: -3.086 ± 0.158 χ^2/NDF : 272.5/18

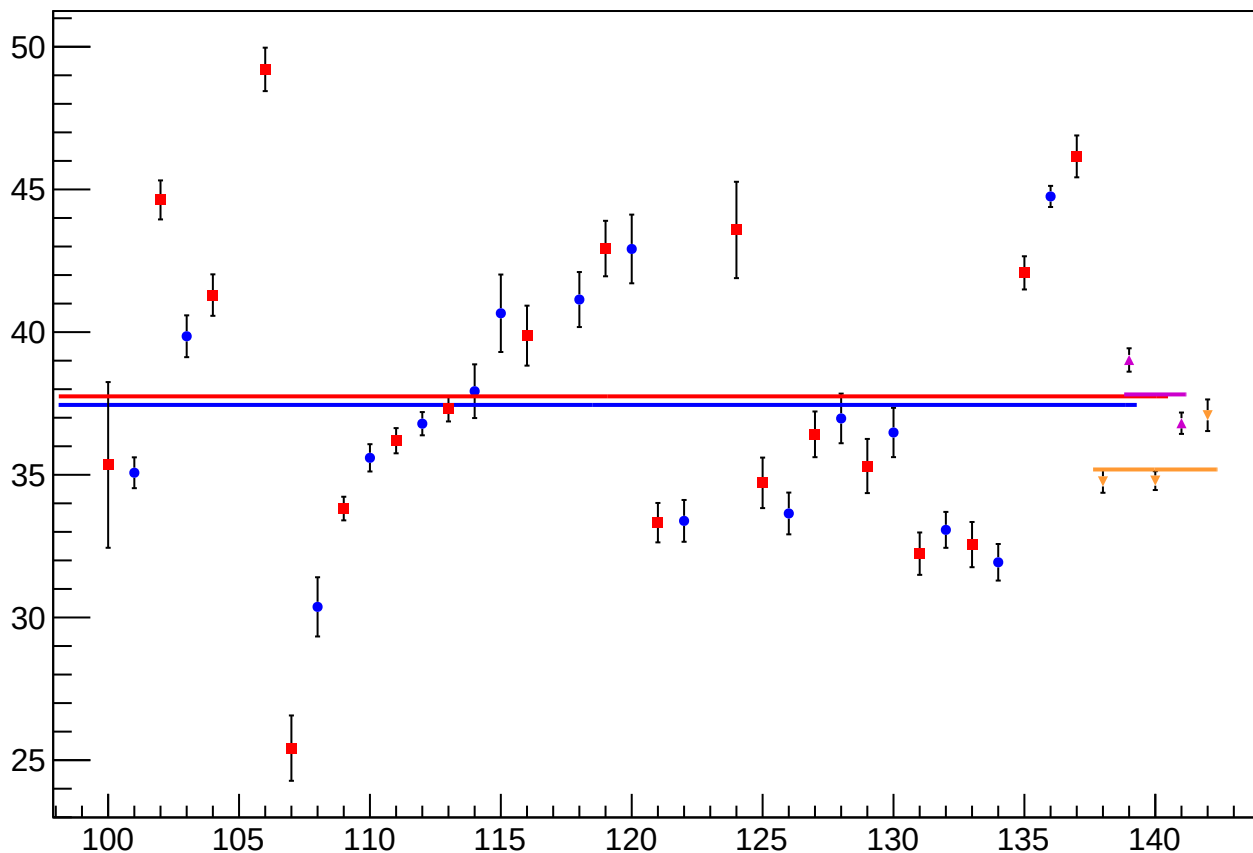
Left In: -2.013 ± 0.249 χ^2/NDF : 55.0/1

+ sign -2.891 ± 0.119 χ^2/NDF : 322.7/18

All: -2.841 ± 0.089 χ^2/NDF : 663.9/39

- sign -2.779 ± 0.133 χ^2/NDF : 340.8/20

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: 35.186 $\pm$ 0.231 χ^2 /NDF:14.3/2

Right Out: 37.749 $\pm$ 0.159 χ^2 /NDF: 963.6/18

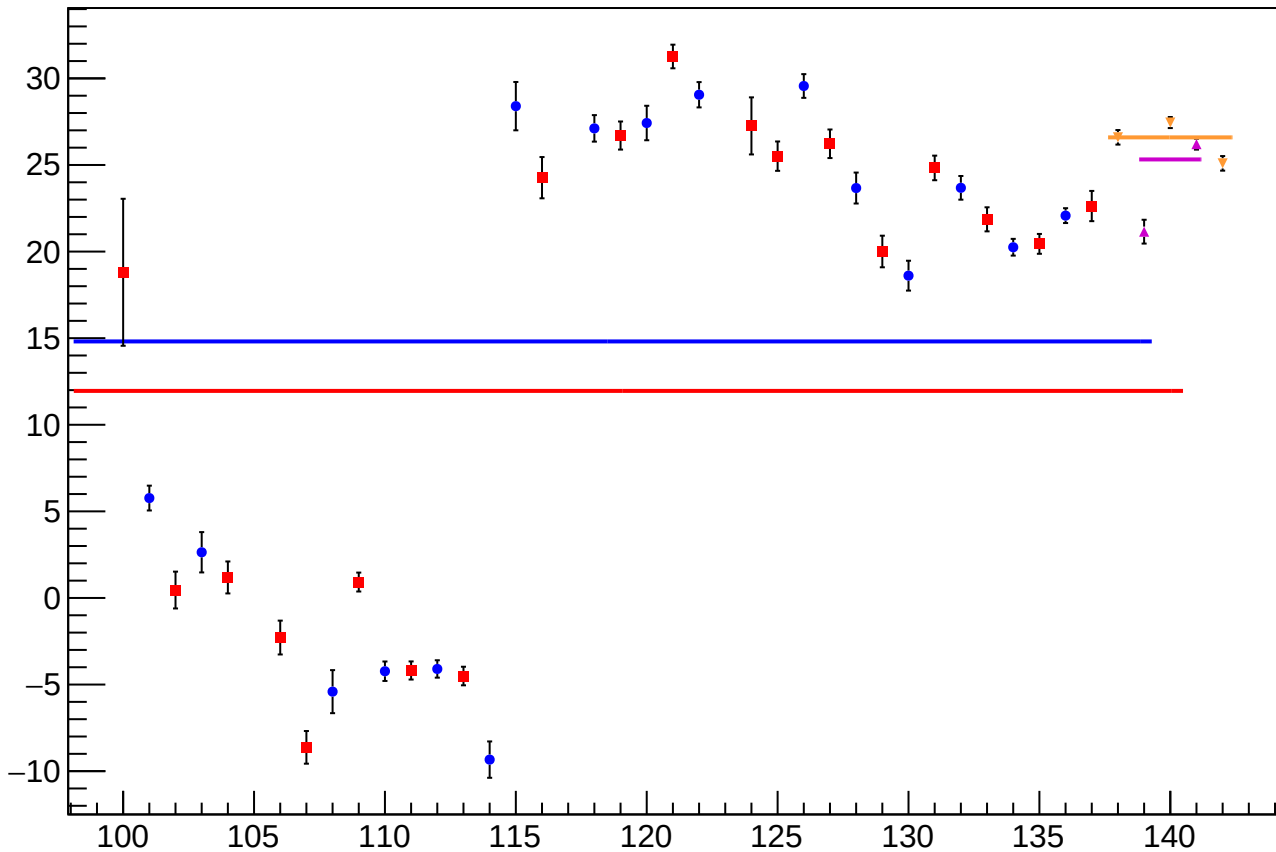
Left In: 37.816 $\pm$ 0.276 χ^2 /NDF:15.9/1

+ sign 36.712 $\pm$ 0.132 χ^2 /NDF: 785.8/18

All: 37.215 $\pm$ 0.095 χ^2 /NDF: 1795.8/39

- sign 37.766 $\pm$ 0.138 χ^2 /NDF: 979.6/20

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: 26.594 $\pm$ 0.218 χ^2 /NDF:19.9/2

Right Out: 11.955 $\pm$ 0.177 χ^2 /NDF: 6105.5/18

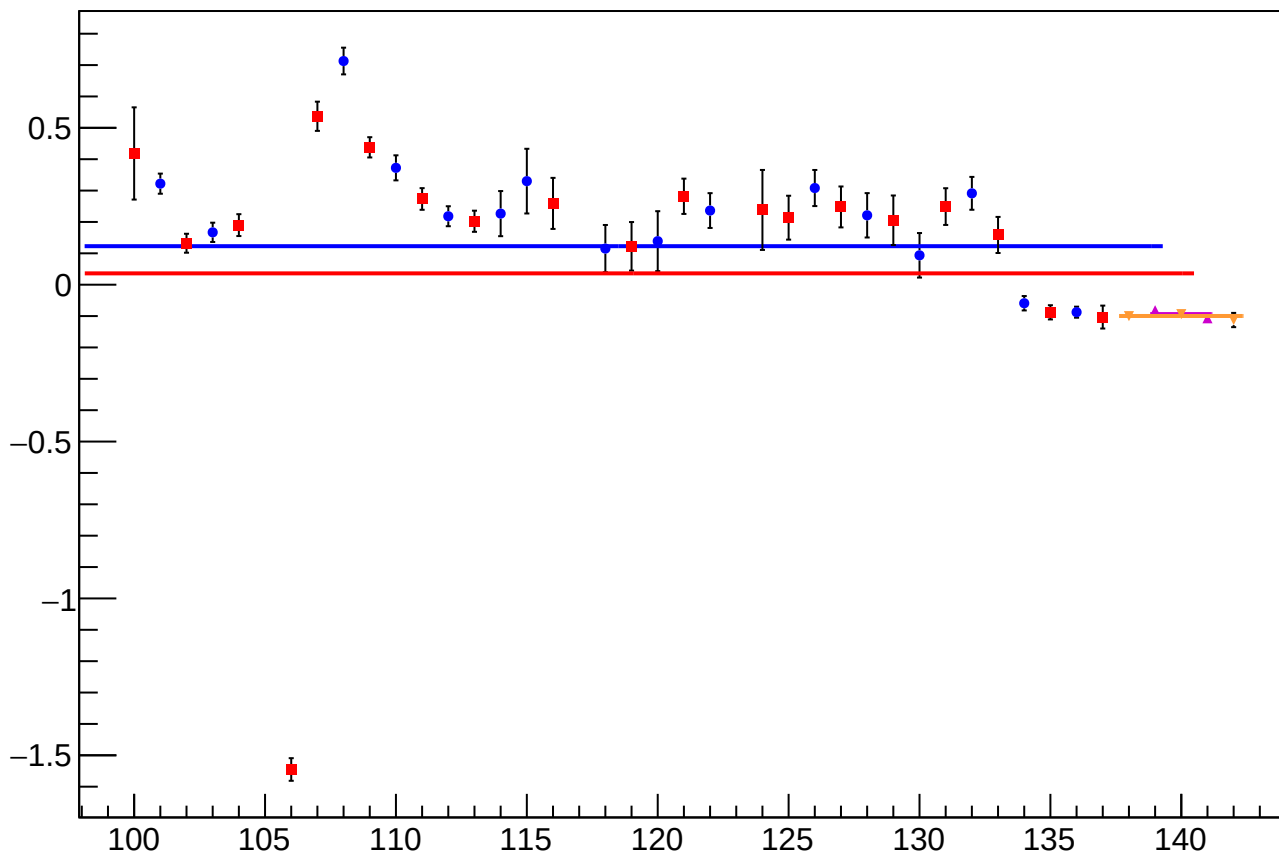
Left In: 25.320 $\pm$ 0.288 χ^2 /NDF:44.6/1

+ sign 19.405 $\pm$ 0.136 χ^2 /NDF: 7496.1/18

All: 17.709 $\pm$ 0.101 χ^2 /NDF: 15561.5/39

- sign 15.622 $\pm$ 0.151 χ^2 /NDF: 7717.6/20

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.123 $\pm$ 0.009 χ^2 /NDF: 520.0/15

Left Out: -0.100 $\pm$ 0.010 χ^2 /NDF: 0.5/2

Right Out: 0.036 $\pm$ 0.010 χ^2 /NDF: 2414.7/18

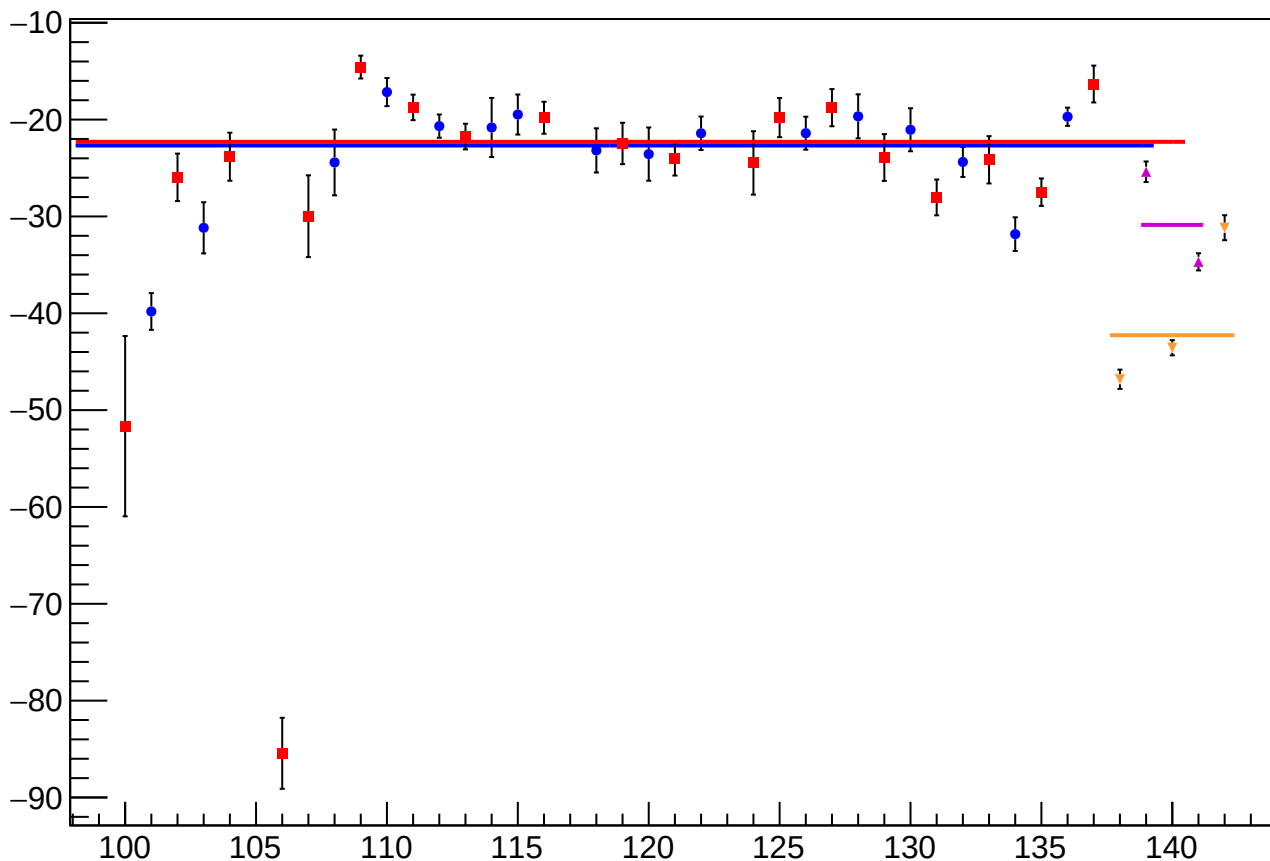
Left In: -0.094 $\pm$ 0.011 χ^2 /NDF: 1.5/1

+ sign 0.016 $\pm$ 0.007 χ^2 /NDF: 789.2/18

All: -0.003 $\pm$ 0.005 χ^2 /NDF: 3301.9/39

- sign -0.023 $\pm$ 0.007 χ^2 /NDF: 2497.0/20

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: -42.261 ± 0.557 χ^2/NDF : 97.8/2

Right Out: -22.295 ± 0.435 χ^2/NDF : 405.5/18

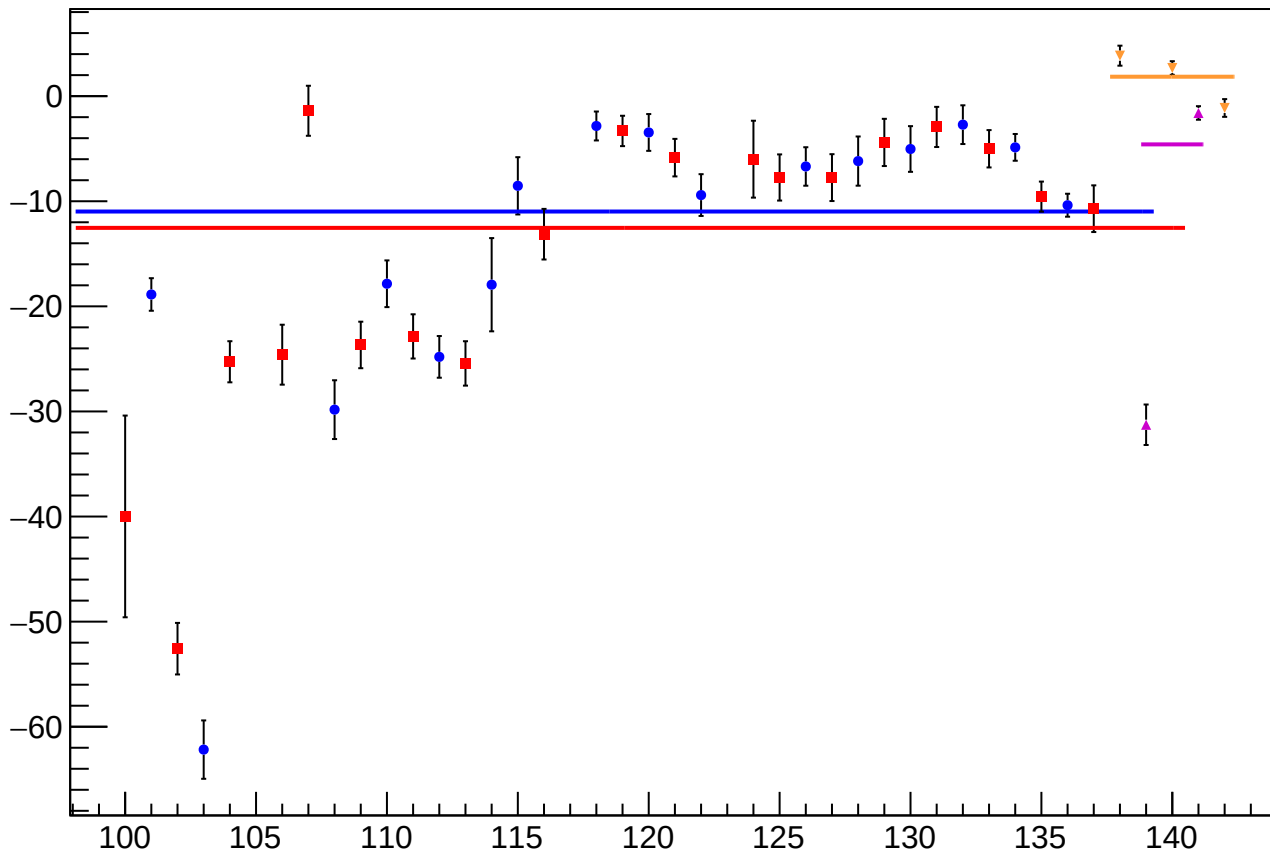
Left In: -30.873 ± 0.681 χ^2/NDF : 45.1/1

+ sign -30.088 ± 0.343 χ^2/NDF : 1021.1/18

All: -27.615 ± 0.250 χ^2/NDF : 1696.2/39

- sign -24.782 ± 0.367 χ^2/NDF : 563.3/20

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: 1.849 ± 0.452 χ^2/NDF : 18.5/2

Right Out: -12.533 ± 0.481 χ^2/NDF : 572.3/18

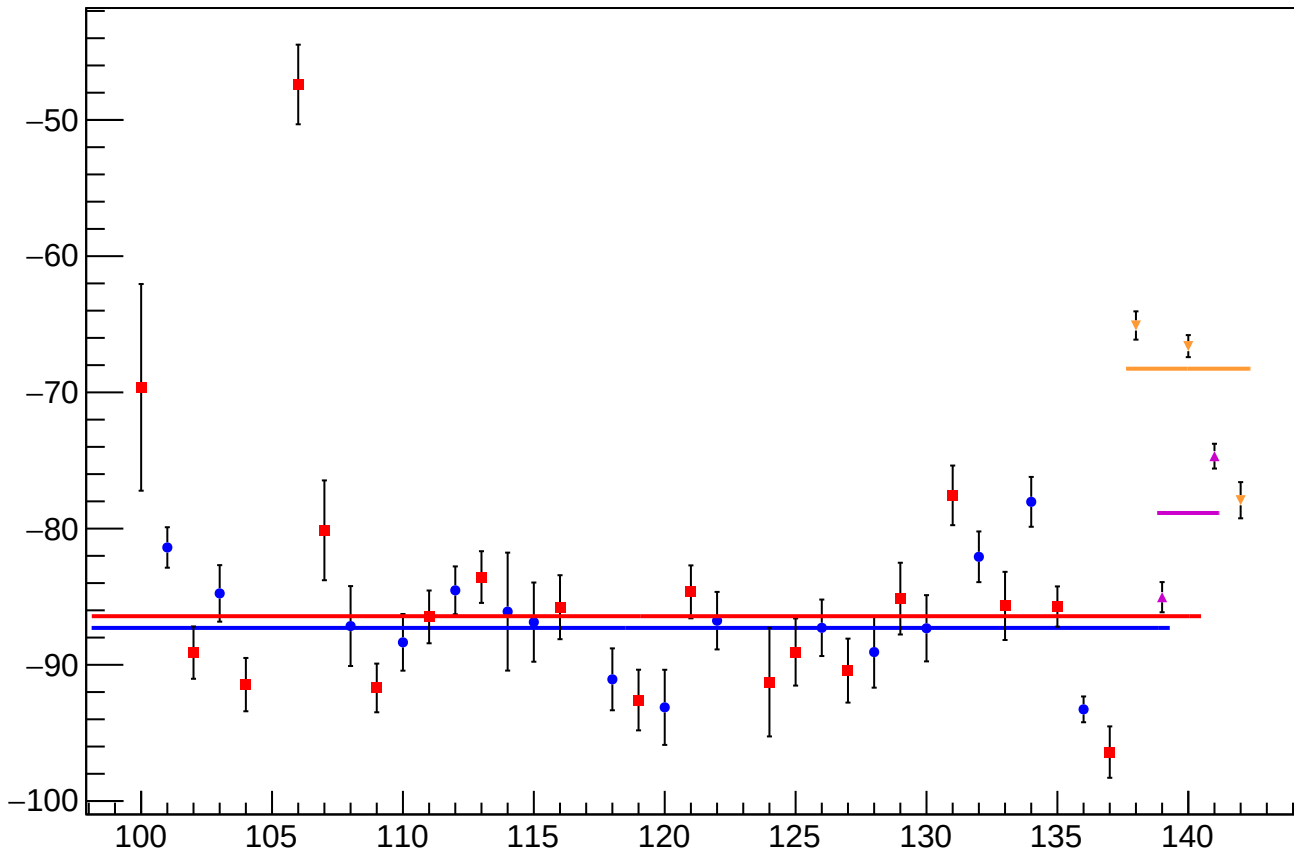
Left In: -4.590 ± 0.611 χ^2/NDF : 213.4/1

+ sign -4.551 ± 0.320 χ^2/NDF : 1006.9/18

All: -6.617 ± 0.244 χ^2/NDF : 1996.4/39

- sign -9.495 ± 0.378 χ^2/NDF : 890.0/20

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.291 ± 0.481 $\chi^2/\text{NDF}: 101.2/15$

Left Out: -68.261 ± 0.575 $\chi^2/\text{NDF}: 66.3/2$

Right Out: -86.431 ± 0.506 $\chi^2/\text{NDF}: 264.8/18$

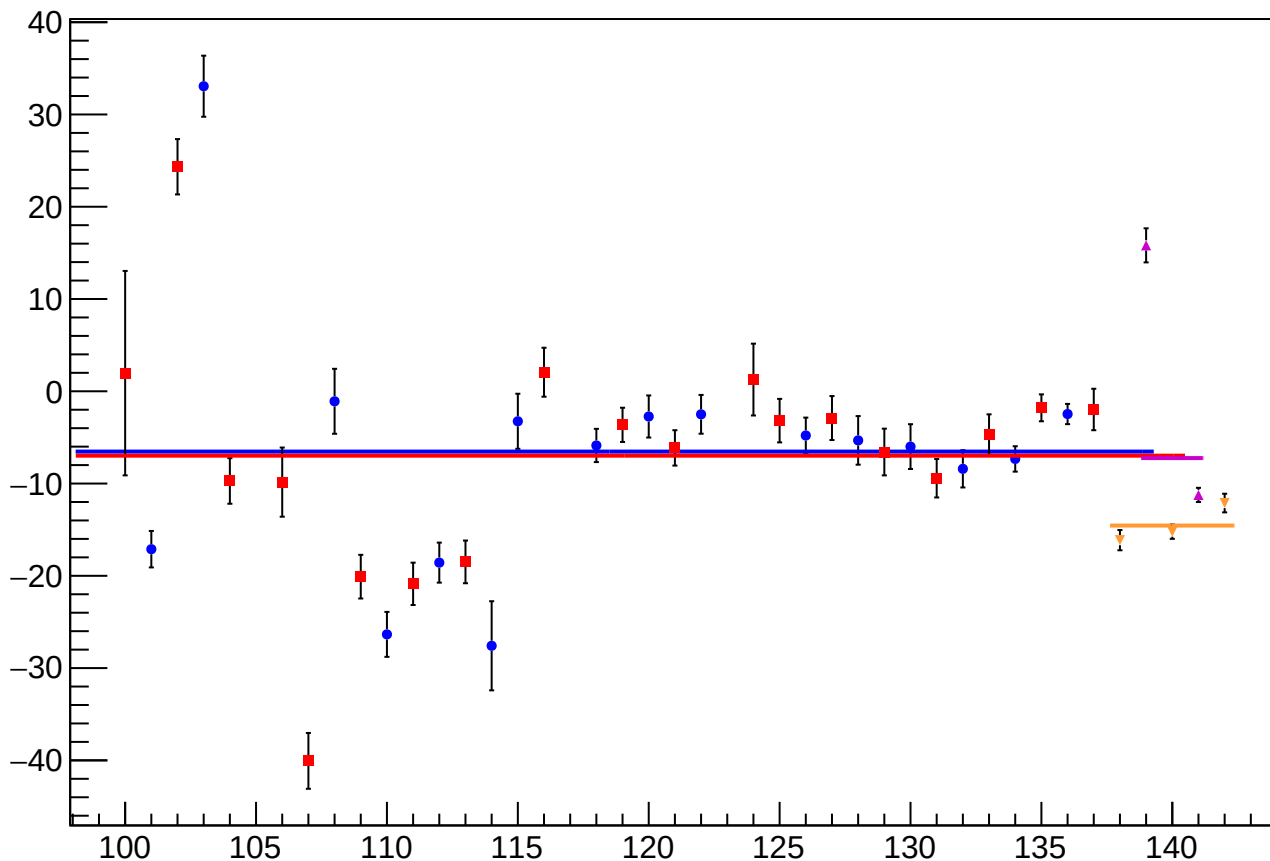
Left In: -78.853 ± 0.703 $\chi^2/\text{NDF}: 52.2/1$

+ sign -79.471 ± 0.369 $\chi^2/\text{NDF}: 811.9/18$

All: -81.424 ± 0.274 $\chi^2/\text{NDF}: 1268.3/39$

- sign -83.845 ± 0.411 $\chi^2/\text{NDF}: 393.6/20$

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: -14.553 ± 0.539 χ^2/NDF : 8.6/2

Right Out: -6.979 ± 0.542 χ^2/NDF : 368.3/18

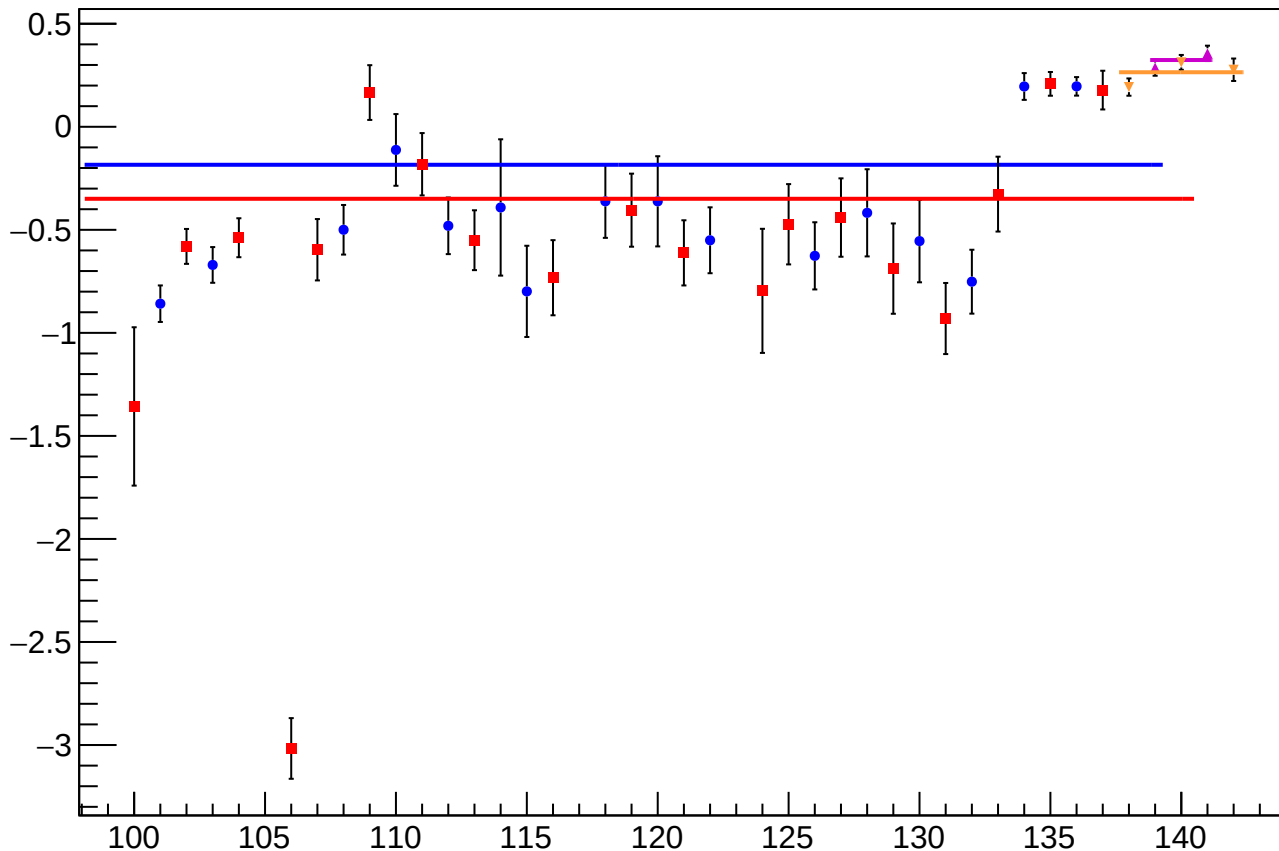
Left In: -7.239 ± 0.710 χ^2/NDF : 182.7/1

+ sign -10.309 ± 0.370 χ^2/NDF : 439.9/18

All: -8.938 ± 0.280 χ^2/NDF : 1023.5/39

- sign -7.075 ± 0.431 χ^2/NDF : 551.2/20

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184 ± 0.027 χ^2/NDF : 247.3/15

Left Out: 0.265 ± 0.024 χ^2/NDF : 4.8/2

Right Out: -0.349 ± 0.029 χ^2/NDF : 516.5/18

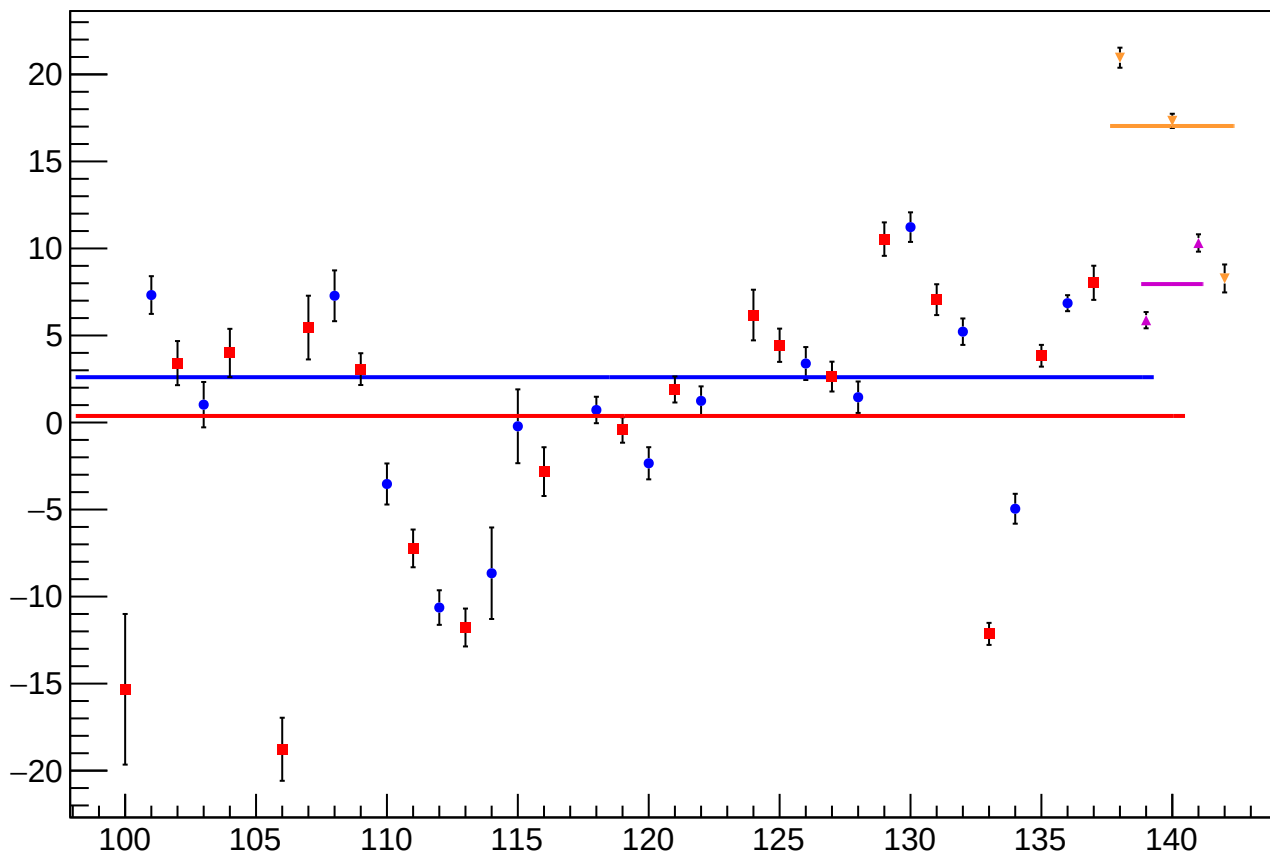
Left In: 0.324 ± 0.027 χ^2/NDF : 1.6/1

+ sign 0.061 ± 0.018 χ^2/NDF : 405.6/18

All: 0.039 ± 0.013 χ^2/NDF : 1210.8/39

- sign 0.013 ± 0.020 χ^2/NDF : 802.1/20

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604 ± 0.224 $\chi^2/\text{NDF}: 573.1/15$

Left Out: 17.036 ± 0.308 $\chi^2/\text{NDF}: 165.6/2$

Right Out: 0.377 ± 0.222 $\chi^2/\text{NDF}: 1030.9/18$

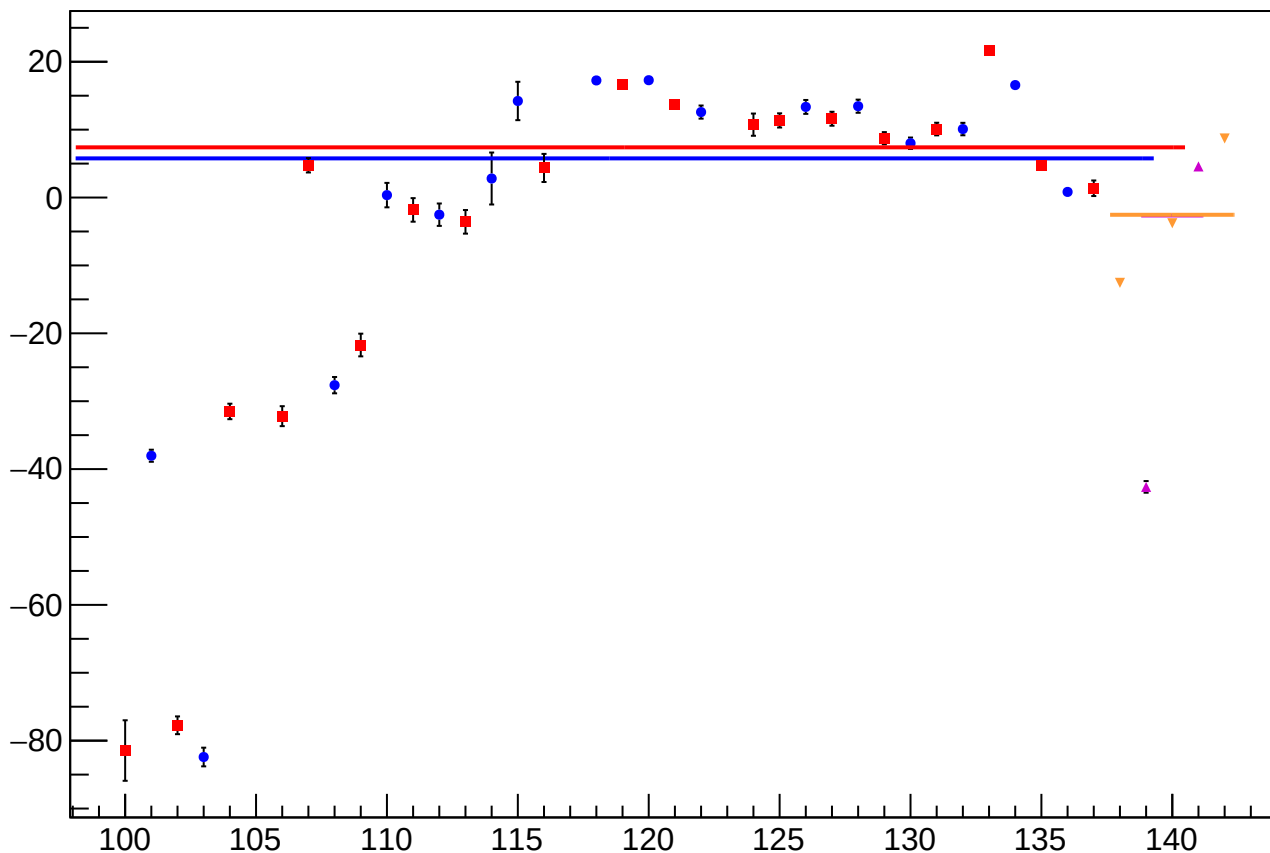
Left In: 7.954 ± 0.341 $\chi^2/\text{NDF}: 42.2/1$

+ sign 7.603 ± 0.181 $\chi^2/\text{NDF}: 2175.4/18$

All: 5.188 ± 0.130 $\chi^2/\text{NDF}: 3960.8/39$

- sign 2.638 ± 0.186 $\chi^2/\text{NDF}: 1420.0/20$

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: -2.539 $\pm$ 0.258 χ^2 /NDF: 762.1/2

Right Out: 7.393 $\pm$ 0.209 χ^2 /NDF: 8390.6/18

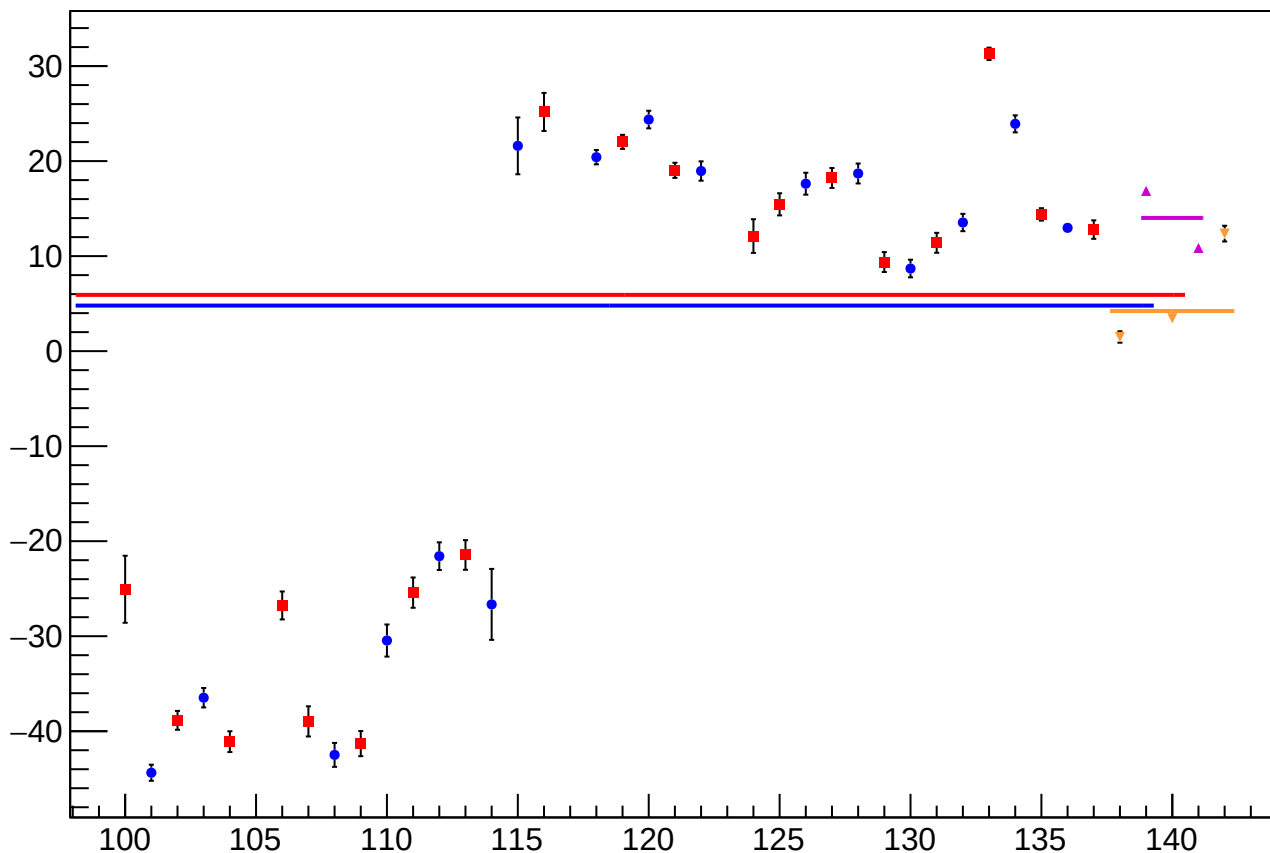
Left In: -2.641 $\pm$ 0.336 χ^2 /NDF: 2560.4/1

+ sign 2.456 $\pm$ 0.163 χ^2 /NDF: 10321.0/18

All: 3.435 $\pm$ 0.120 χ^2 /NDF: 21995.0/39

- sign 4.597 $\pm$ 0.177 χ^2 /NDF: 11594.8/20

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794 $\pm$ 0.237 χ^2/NDF : 9496.9/15

Left Out: 4.221 $\pm$ 0.318 χ^2/NDF :120.5/2

Right Out: 5.921 $\pm$ 0.240 χ^2/NDF : 10059.4/18

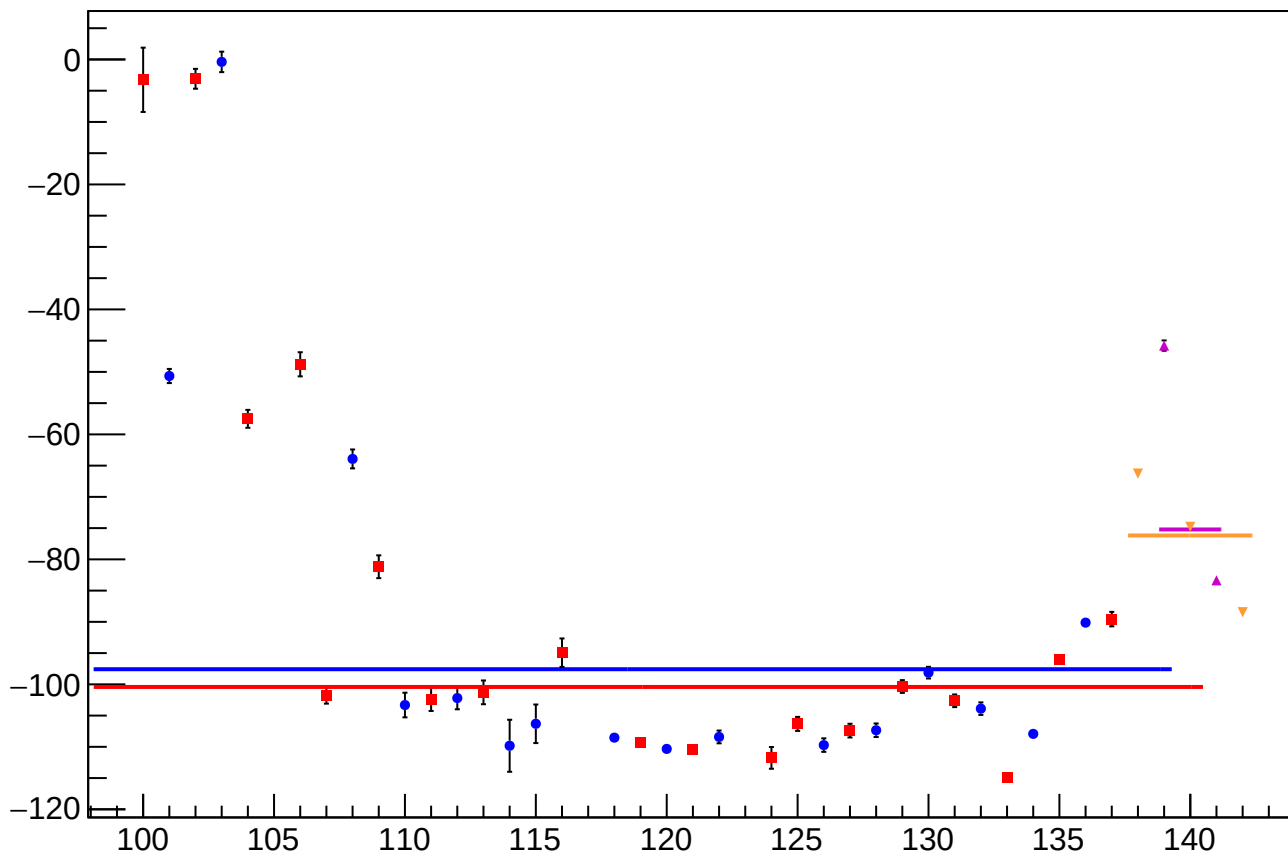
Left In: 14.019 $\pm$ 0.352 χ^2/NDF :72.5/1

+ sign 4.589 $\pm$ 0.190 χ^2/NDF : 9619.5/18

All: 6.460 $\pm$ 0.137 χ^2/NDF : 20314.5/39

- sign 8.490 $\pm$ 0.198 χ^2/NDF : 10493.4/20

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581 ± 0.242 χ^2/NDF : 7144.2/15

Left Out: -76.177 ± 0.306 χ^2/NDF : 614.4/2

Right Out: -100.418 ± 0.241 χ^2/NDF : 7115.7/18

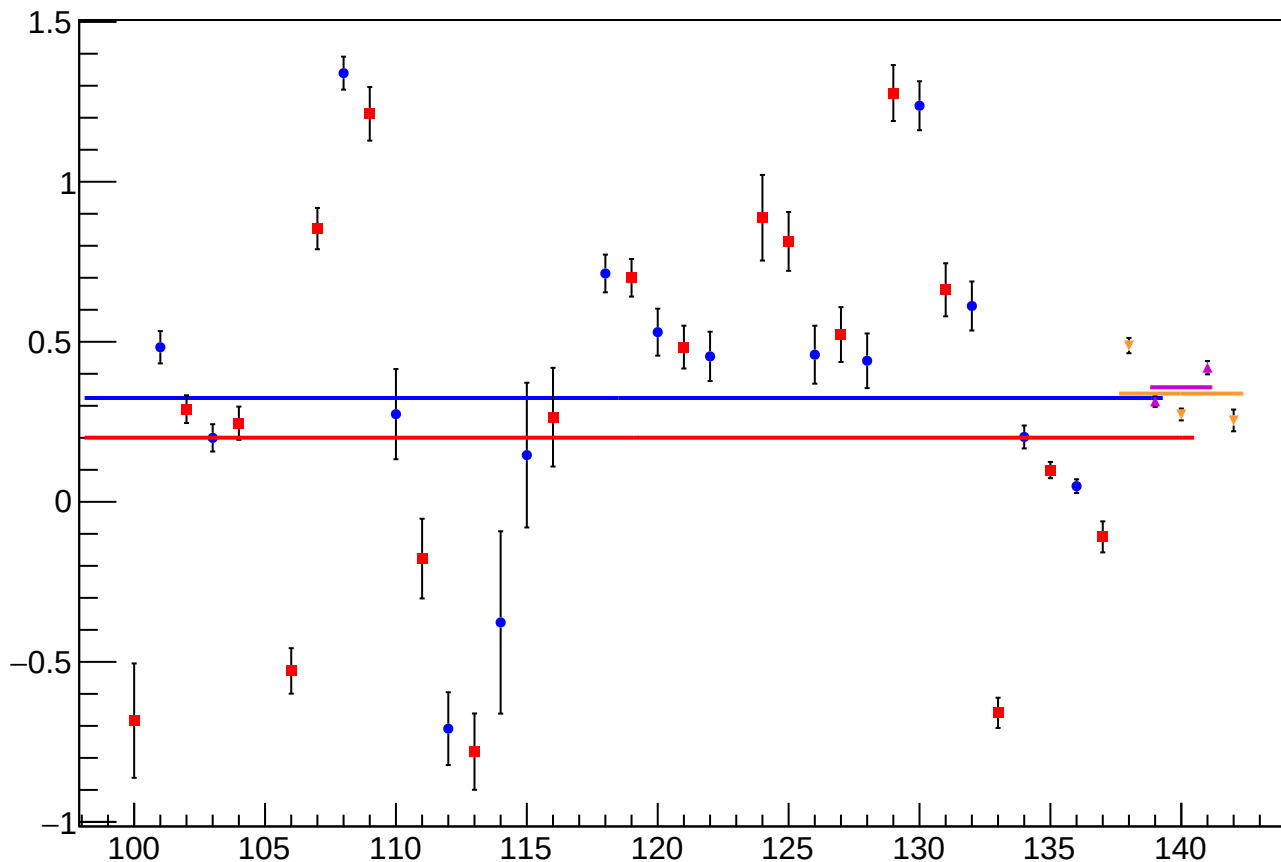
Left In: -75.216 ± 0.384 χ^2/NDF : 1624.7/1

+ sign -89.345 ± 0.190 χ^2/NDF : 10776.6/18

All: -91.174 ± 0.139 χ^2/NDF : 22810.0/39

- sign -93.293 ± 0.204 χ^2/NDF : 11832.5/20

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324 ± 0.013 $\chi^2/\text{NDF}: 886.5/15$

Left Out: 0.338 ± 0.013 $\chi^2/\text{NDF}: 58.0/2$

Right Out: 0.200 ± 0.014 $\chi^2/\text{NDF}: 1206.3/18$

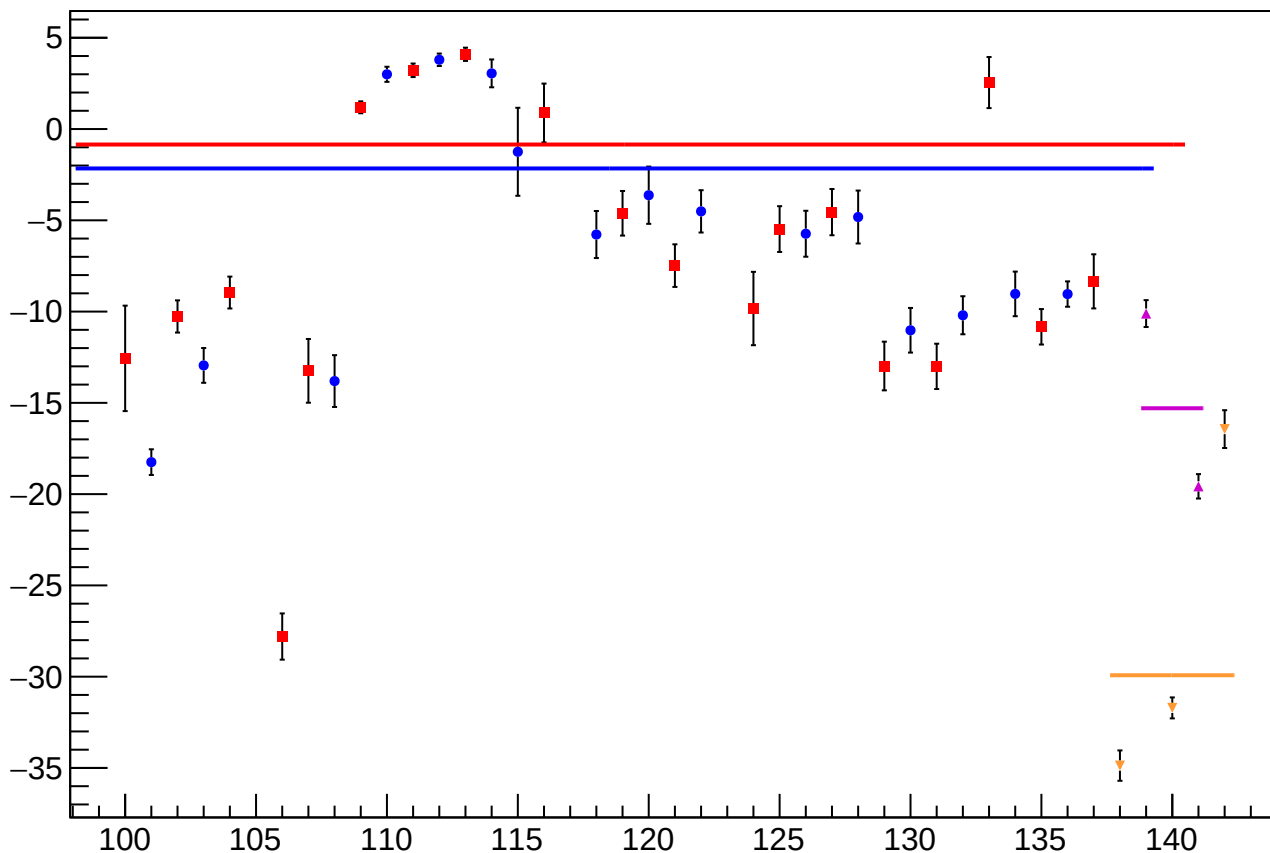
Left In: 0.358 ± 0.013 $\chi^2/\text{NDF}: 14.8/1$

+ sign 0.331 ± 0.009 $\chi^2/\text{NDF}: 945.0/18$

All: 0.307 ± 0.007 $\chi^2/\text{NDF}: 2246.3/39$

- sign 0.281 ± 0.010 $\chi^2/\text{NDF}: 1287.5/20$

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: -29.922 ± 0.430 $\chi^2/\text{NDF}: 214.7/2$

Right Out: -0.848 ± 0.170 $\chi^2/\text{NDF}: 1465.4/18$

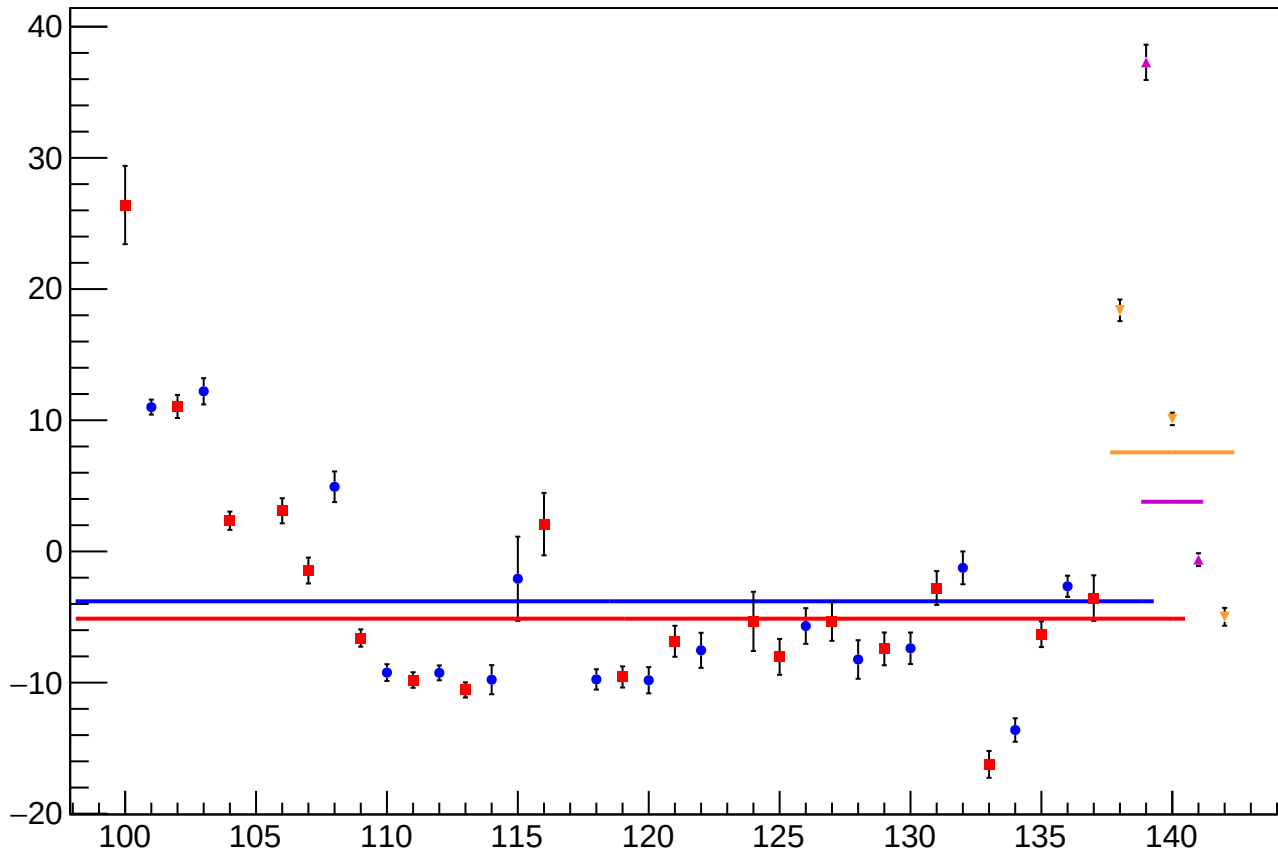
Left In: -15.295 ± 0.495 $\chi^2/\text{NDF}: 90.6/1$

+ sign -6.775 ± 0.175 $\chi^2/\text{NDF}: 5182.9/18$

All: -4.393 ± 0.119 $\chi^2/\text{NDF}: 7841.8/39$

- sign -2.380 ± 0.161 $\chi^2/\text{NDF}: 2318.1/20$

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800 ± 0.226 χ^2/NDF : 1425.5/15

Left Out: 7.555 ± 0.353 χ^2/NDF : 539.7/2

Right Out: -5.126 ± 0.219 χ^2/NDF : 980.6/18

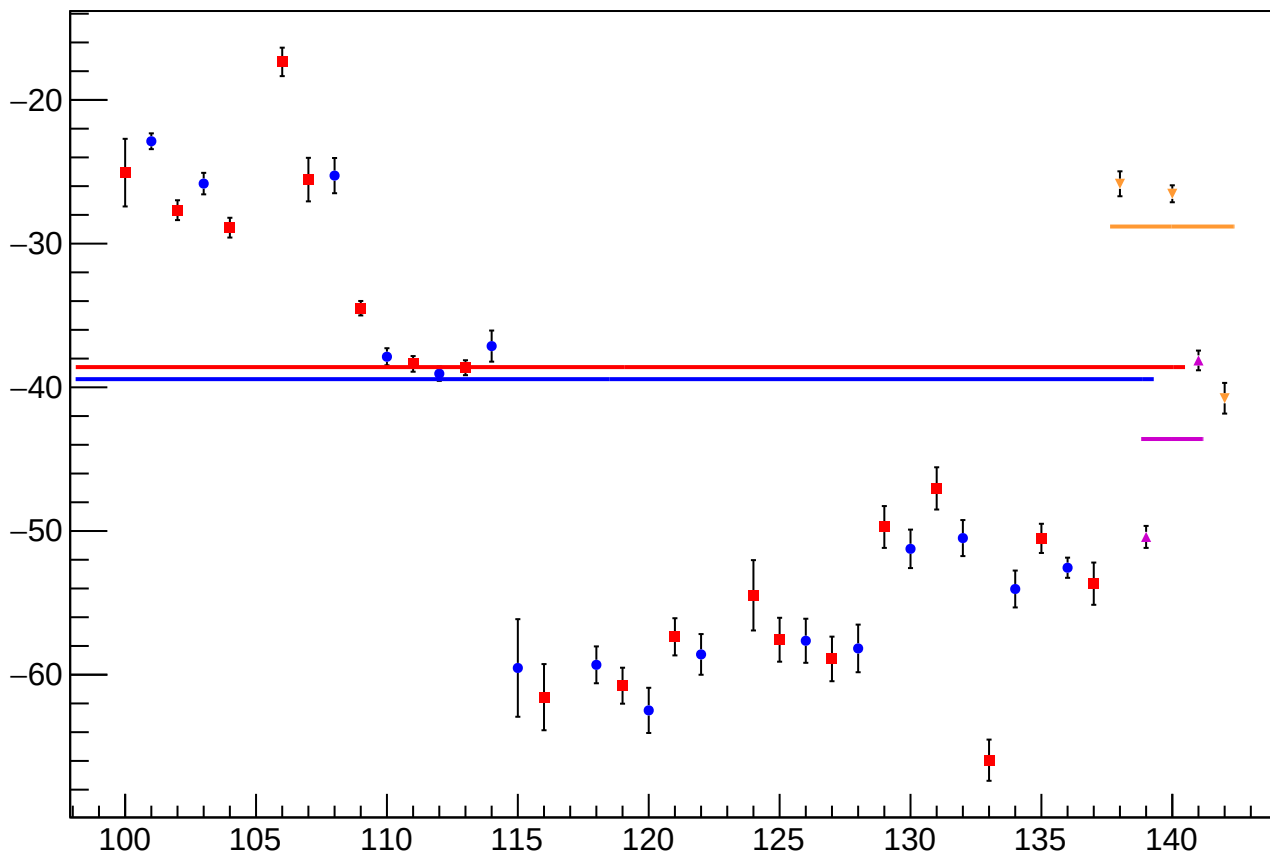
Left In: 3.786 ± 0.459 χ^2/NDF : 700.8/1

+ sign -0.510 ± 0.190 χ^2/NDF : 2698.8/18

All: -1.938 ± 0.137 χ^2/NDF : 4804.4/39

- sign -3.477 ± 0.197 χ^2/NDF : 1988.5/20

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431 ± 0.225 χ^2/NDF : 2958.1/15

Left Out: -28.810 ± 0.444 χ^2/NDF : 151.9/2

Right Out: -38.593 ± 0.213 χ^2/NDF : 2772.1/18

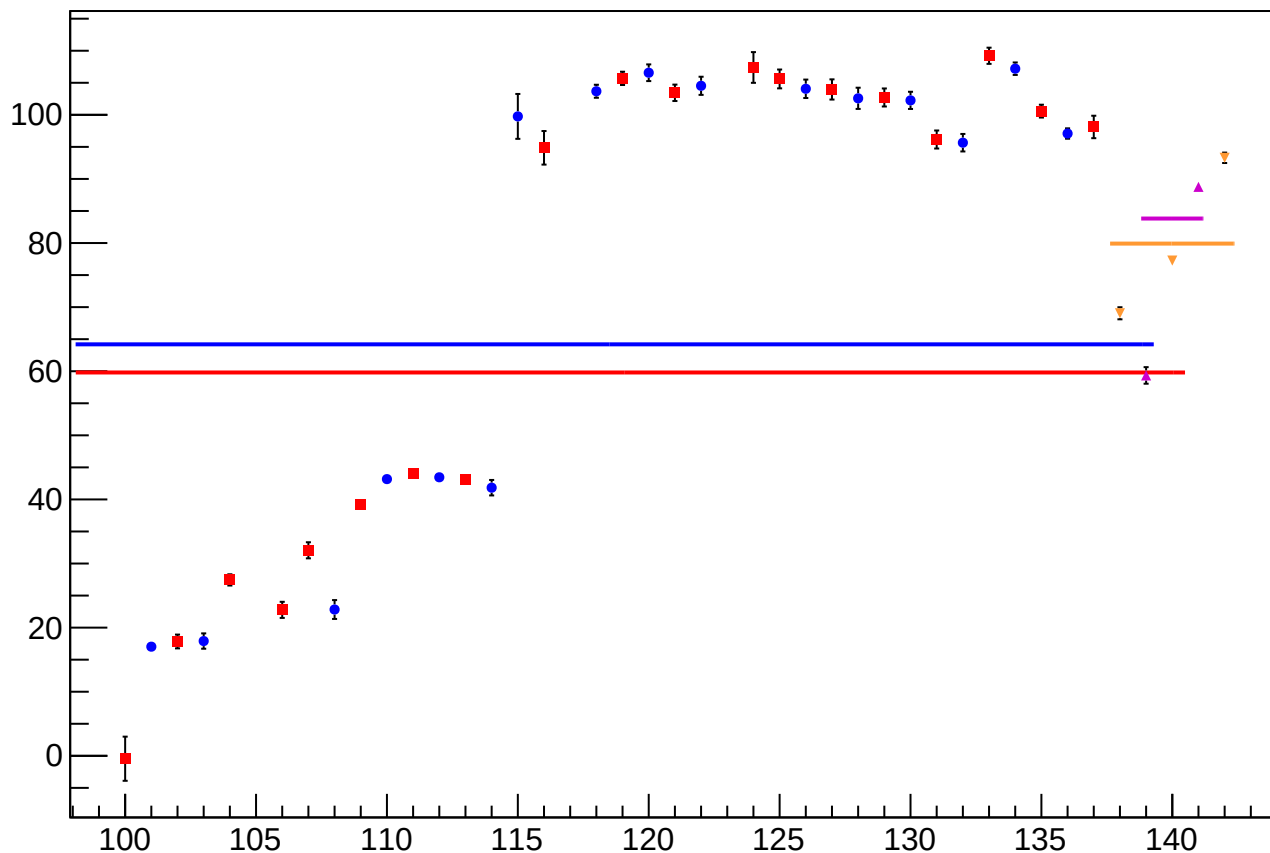
Left In: -43.598 ± 0.511 χ^2/NDF : 142.8/1

+ sign -37.255 ± 0.201 χ^2/NDF : 3564.8/18

All: -38.318 ± 0.140 χ^2/NDF : 6616.3/39

- sign -39.331 ± 0.196 χ^2/NDF : 2996.8/20

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: 79.912 $\pm$ 0.420 χ^2 /NDF: 425.5/2

Right Out: 59.805 $\pm$ 0.249 χ^2 /NDF: 17431.2/18

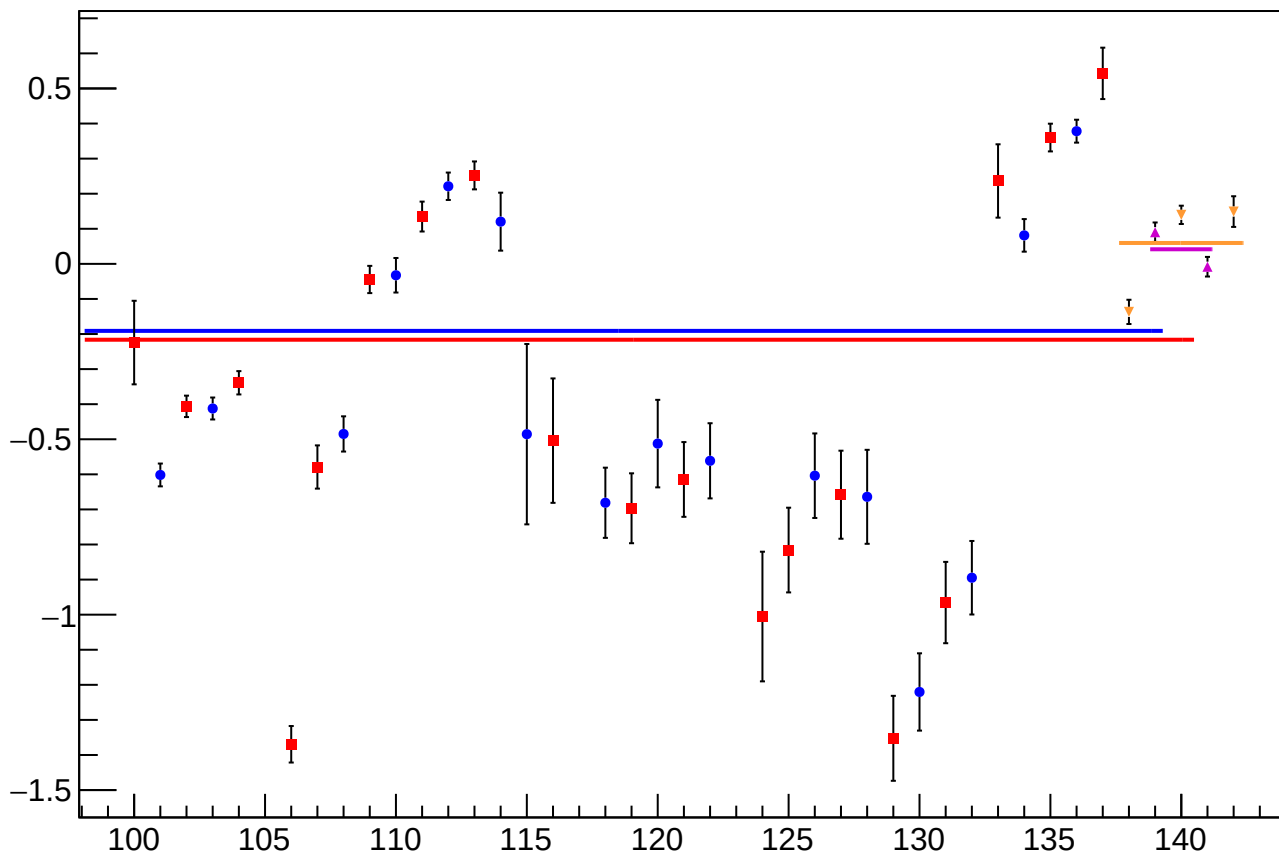
Left In: 83.821 $\pm$ 0.530 χ^2 /NDF: 431.1/1

+ sign 68.492 $\pm$ 0.220 χ^2 /NDF: 20040.2/18

All: 66.373 $\pm$ 0.157 χ^2 /NDF: 39777.5/39

- sign 64.143 $\pm$ 0.225 χ^2 /NDF: 19545.9/20

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.191 ± 0.013 χ^2/NDF : 918.3/15

Left Out: 0.060 ± 0.019 χ^2/NDF : 45.9/2

Right Out: -0.216 ± 0.013 χ^2/NDF : 1368.1/18

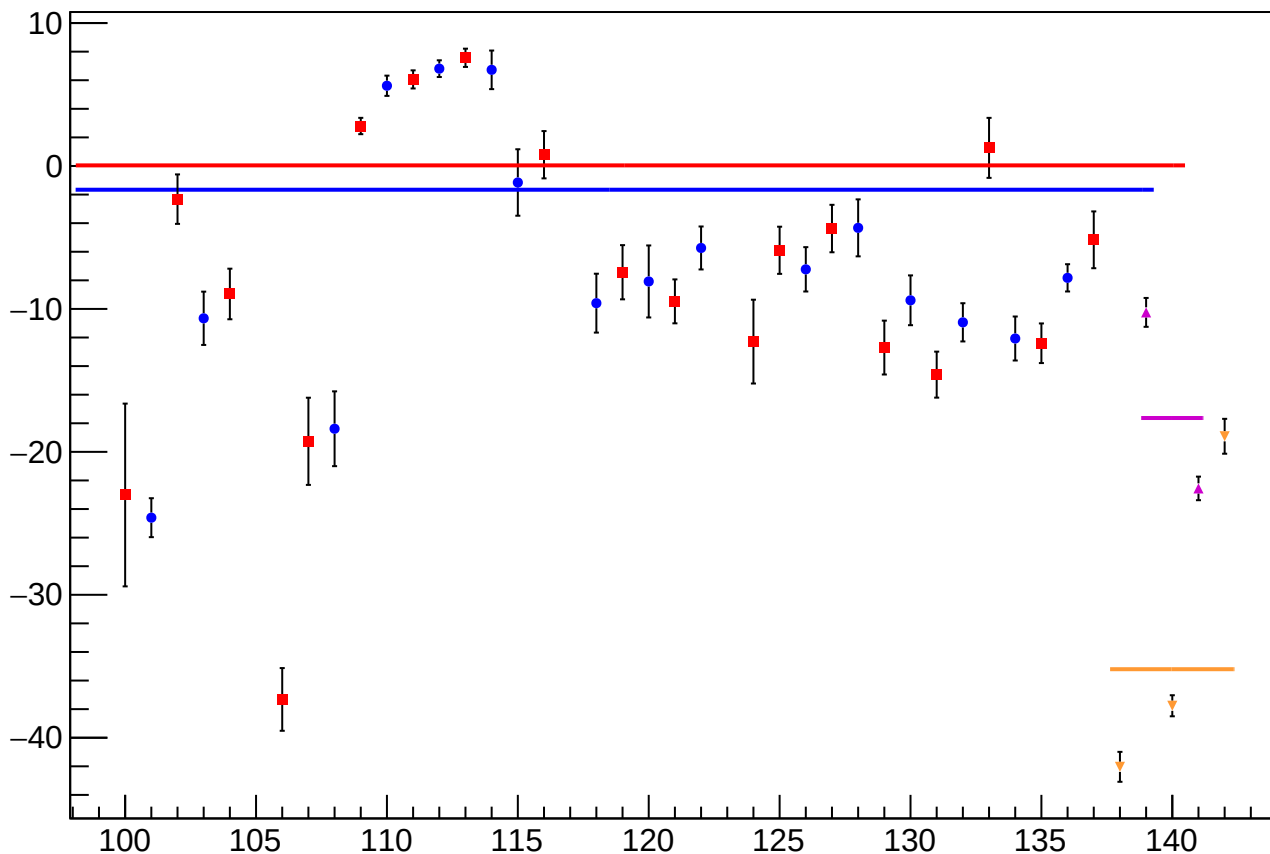
Left In: 0.042 ± 0.020 χ^2/NDF : 6.2/1

+ sign -0.106 ± 0.011 χ^2/NDF : 1081.8/18

All: -0.123 ± 0.008 χ^2/NDF : 2580.3/39

- sign -0.138 ± 0.011 χ^2/NDF : 1494.1/20

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661 $\pm$ 0.308 χ^2 /NDF: 900.3/15

Left Out: -35.206 $\pm$ 0.540 χ^2 /NDF:232.9/2

Right Out: 0.042 $\pm$ 0.282 χ^2 /NDF: 931.1/18

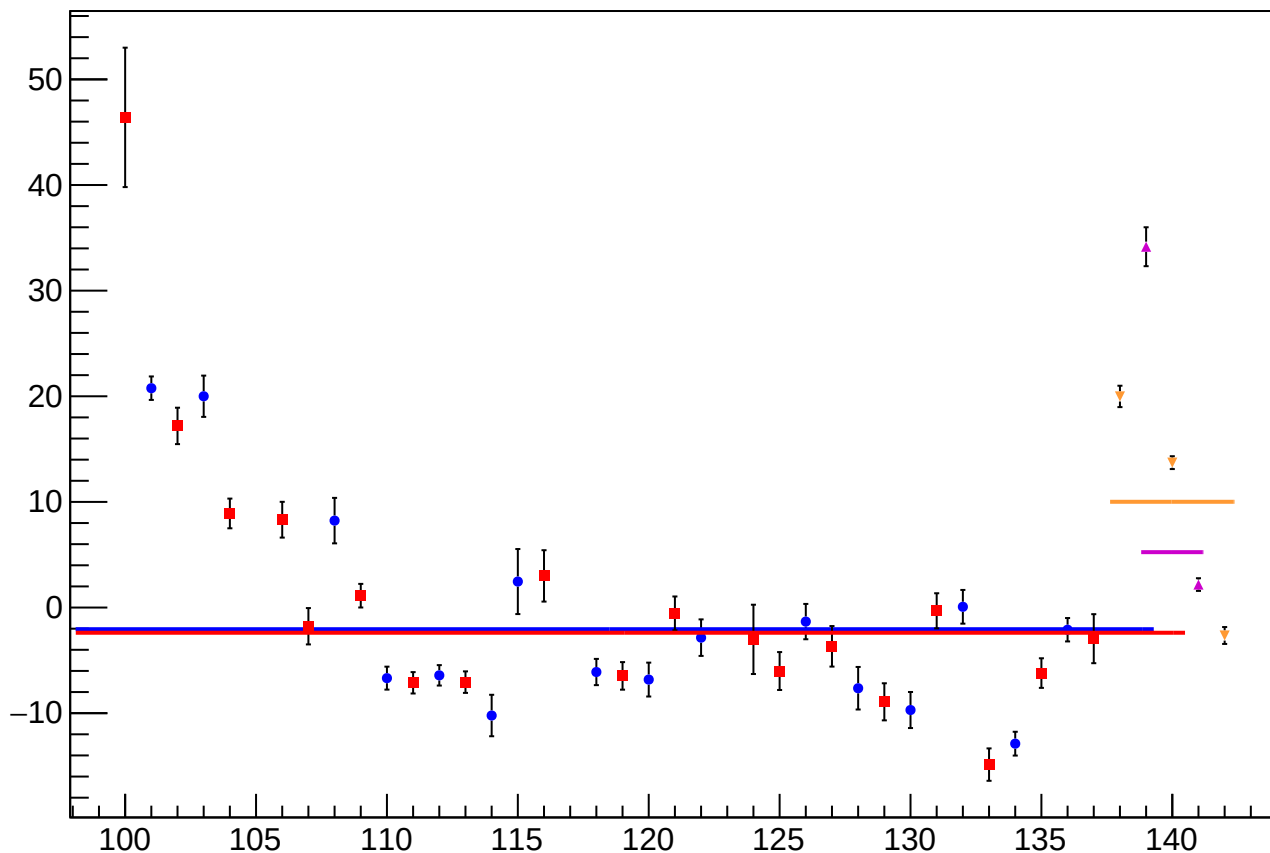
Left In: -17.631 $\pm$ 0.639 χ^2 /NDF:89.1/1

+ sign -9.893 $\pm$ 0.268 χ^2 /NDF: 4042.9/18

All: -6.235 $\pm$ 0.186 χ^2 /NDF: 6063.8/39

- sign -2.837 $\pm$ 0.258 χ^2 /NDF: 1660.5/20

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050 ± 0.356 χ^2/NDF : 771.9/15

Left Out: 10.012 ± 0.437 χ^2/NDF : 384.5/2

Right Out: -2.386 ± 0.355 χ^2/NDF : 450.9/18

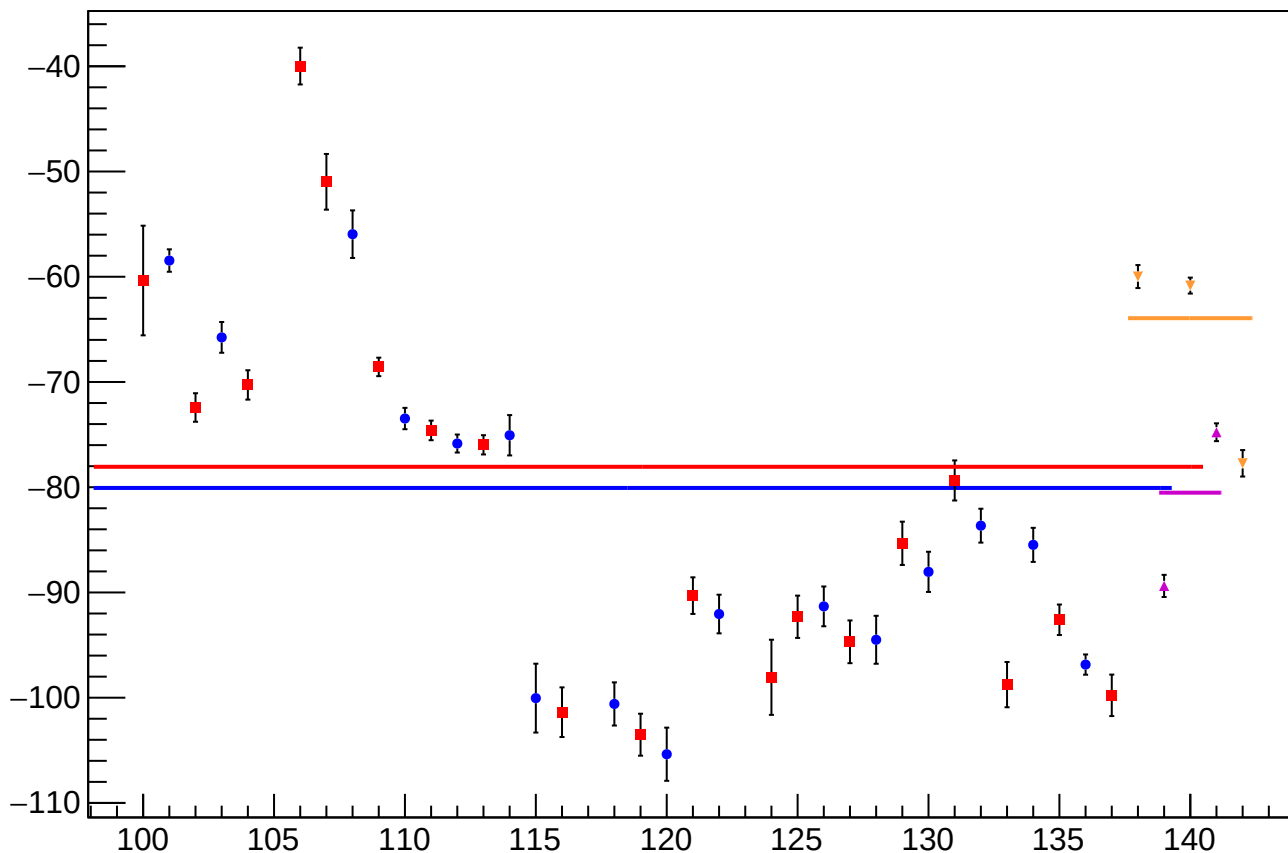
Left In: 5.244 ± 0.571 χ^2/NDF : 272.4/1

+ sign 2.769 ± 0.276 χ^2/NDF : 1614.7/18

All: 1.391 ± 0.204 χ^2/NDF : 2521.5/39

- sign -0.255 ± 0.302 χ^2/NDF : 852.1/20

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069 ± 0.364 $\chi^2/\text{NDF}: 1387.2/15$

Left Out: -63.938 ± 0.558 $\chi^2/\text{NDF}: 150.0/2$

Right Out: -78.059 ± 0.354 $\chi^2/\text{NDF}: 1561.2/18$

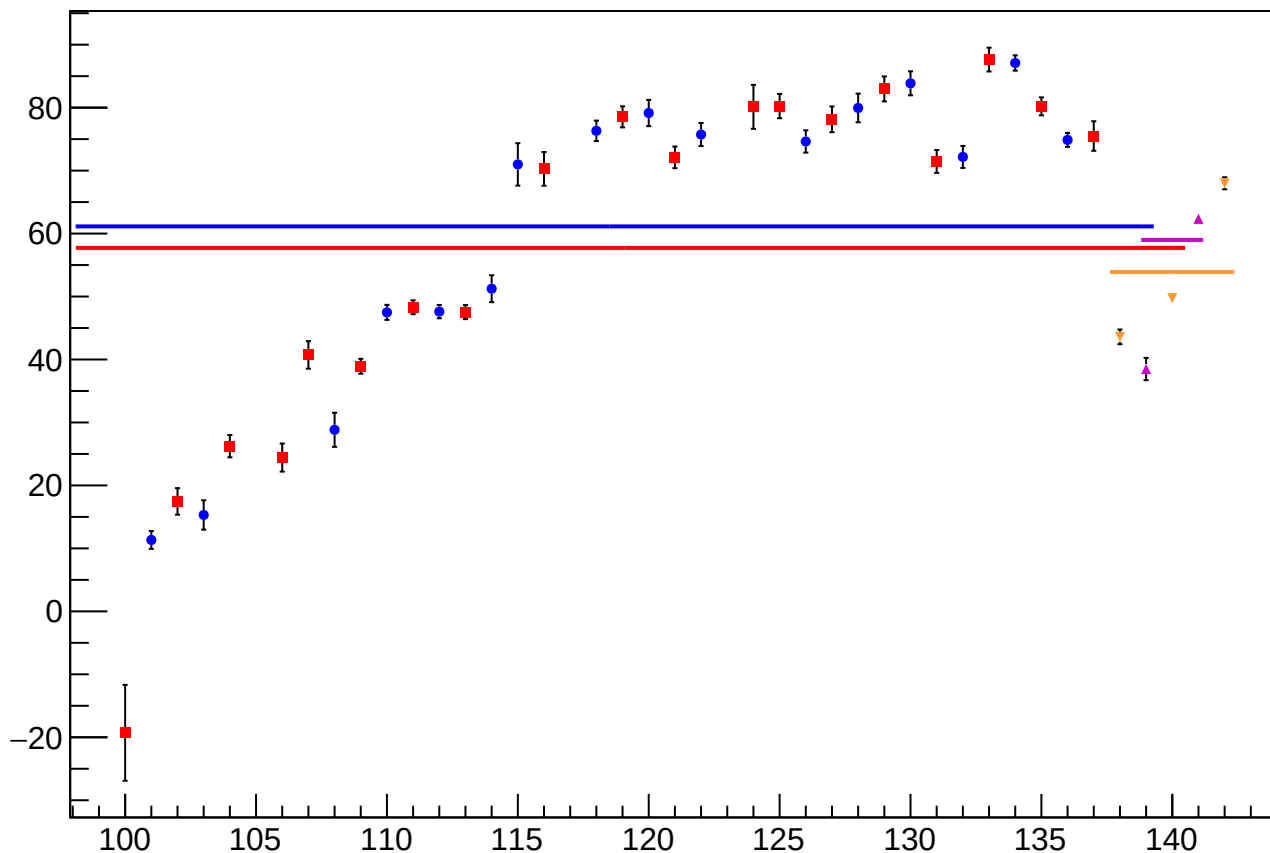
Left In: -80.519 ± 0.659 $\chi^2/\text{NDF}: 117.1/1$

+ sign -75.245 ± 0.305 $\chi^2/\text{NDF}: 2123.2/18$

All: -76.891 ± 0.218 $\chi^2/\text{NDF}: 3871.7/39$

- sign -78.608 ± 0.312 $\chi^2/\text{NDF}: 1689.1/20$

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139 $\pm$ 0.401 χ^2 /NDF: 3229.3/15

Left Out: 53.905 $\pm$ 0.520 χ^2 /NDF:327.1/2

Right Out: 57.728 $\pm$ 0.400 χ^2 /NDF: 2775.6/18

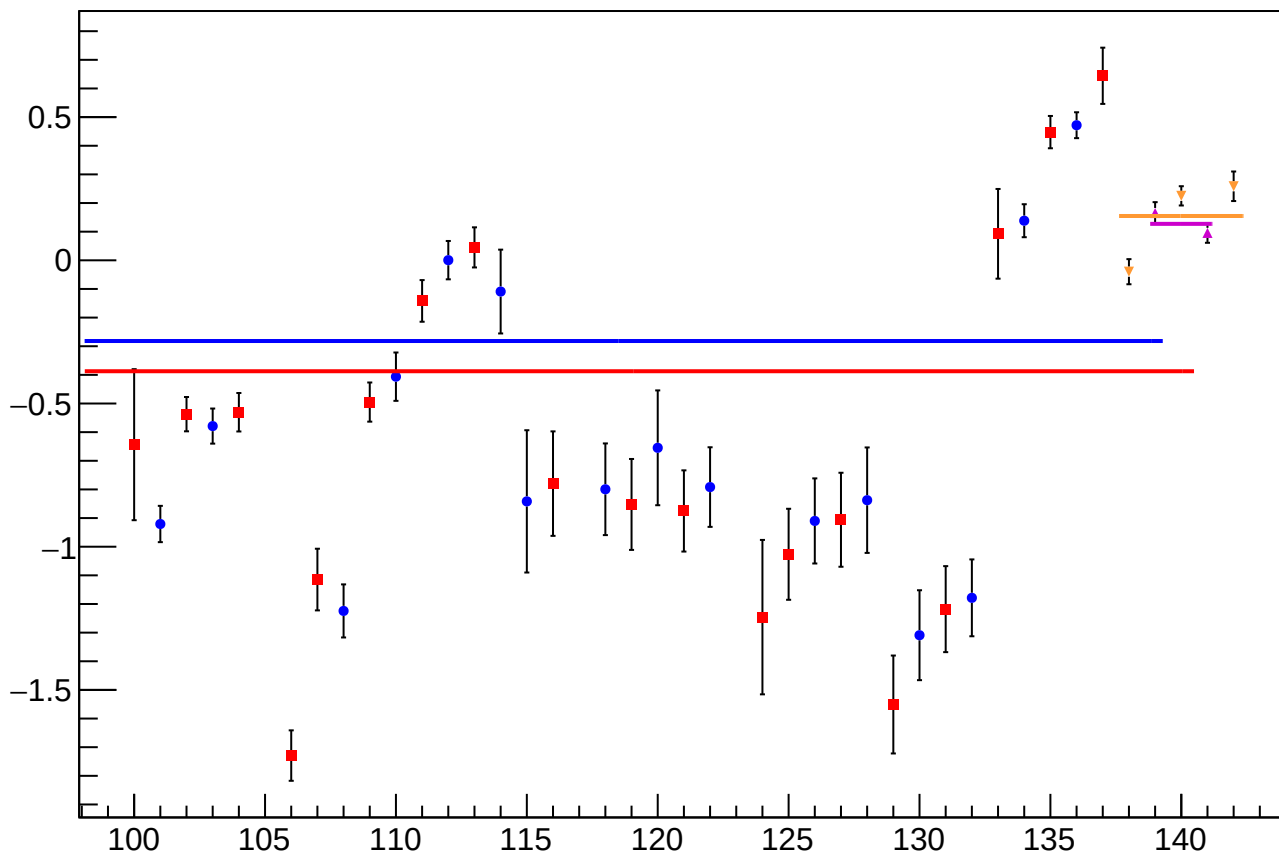
Left In: 58.990 $\pm$ 0.663 χ^2 /NDF:156.4/1

+ sign 58.445 $\pm$ 0.317 χ^2 /NDF: 3677.8/18

All: 58.270 $\pm$ 0.233 χ^2 /NDF: 6613.1/39

- sign 58.065 $\pm$ 0.343 χ^2 /NDF: 2934.6/20

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282 ± 0.022 χ^2/NDF : 728.2/15

Left Out: 0.155 ± 0.024 χ^2/NDF : 28.1/2

Right Out: -0.387 ± 0.022 χ^2/NDF : 818.7/18

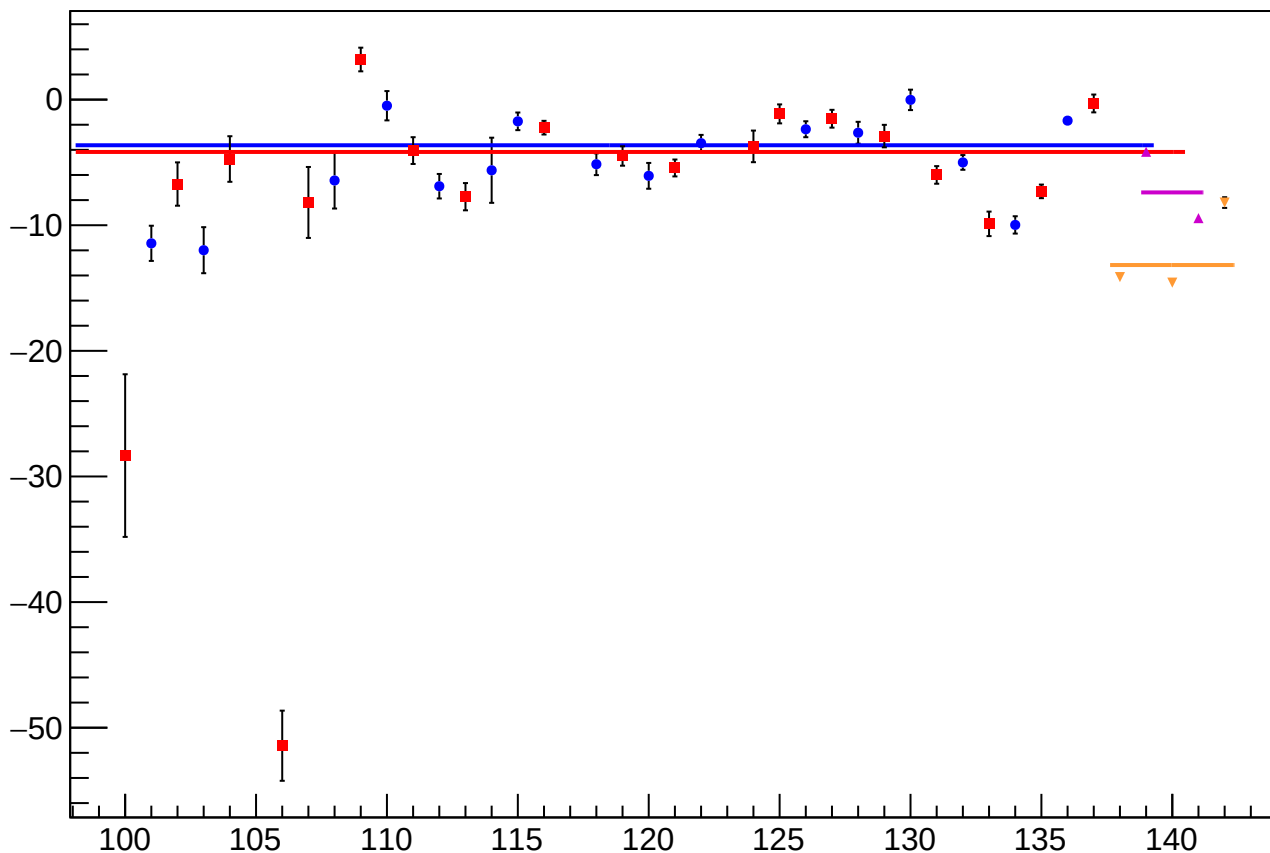
Left In: 0.127 ± 0.026 χ^2/NDF : 1.8/1

+ sign -0.083 ± 0.016 χ^2/NDF : 941.3/18

All: -0.125 ± 0.012 χ^2/NDF : 2009.4/39

- sign -0.169 ± 0.017 χ^2/NDF : 1054.2/20

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634 ± 0.189 χ^2/NDF : 234.8/15

Left Out: -13.168 ± 0.190 χ^2/NDF : 171.4/2

Right Out: -4.167 ± 0.199 χ^2/NDF : 529.7/18

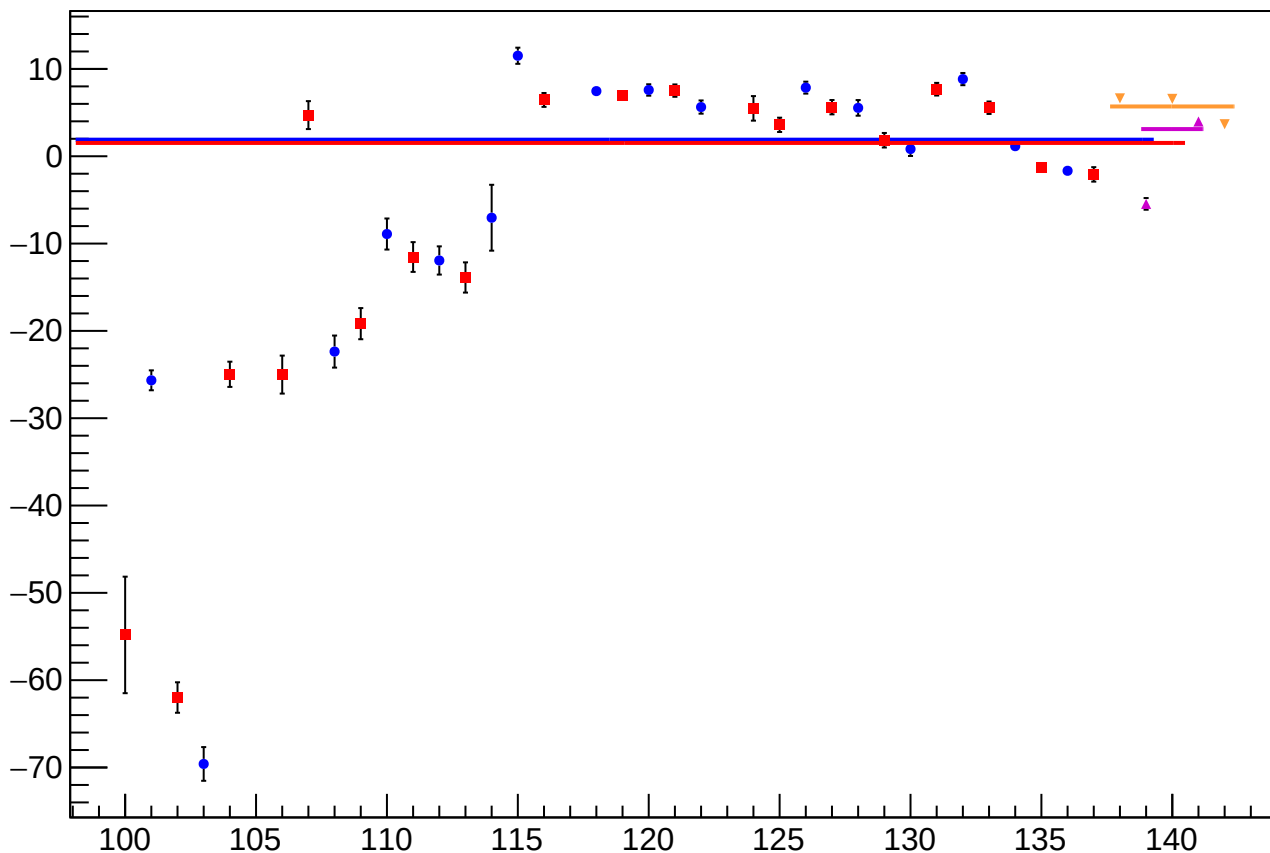
Left In: -7.388 ± 0.229 χ^2/NDF : 125.8/1

+ sign -8.367 ± 0.134 χ^2/NDF : 1668.9/18

All: -7.121 ± 0.100 χ^2/NDF : 2631.4/39

- sign -5.553 ± 0.151 χ^2/NDF : 767.7/20

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898 ± 0.189 $\chi^2/\text{NDF}: 2838.2/15$

Left Out: 5.701 ± 0.154 $\chi^2/\text{NDF}: 76.5/2$

Right Out: 1.525 ± 0.208 $\chi^2/\text{NDF}: 2559.8/18$

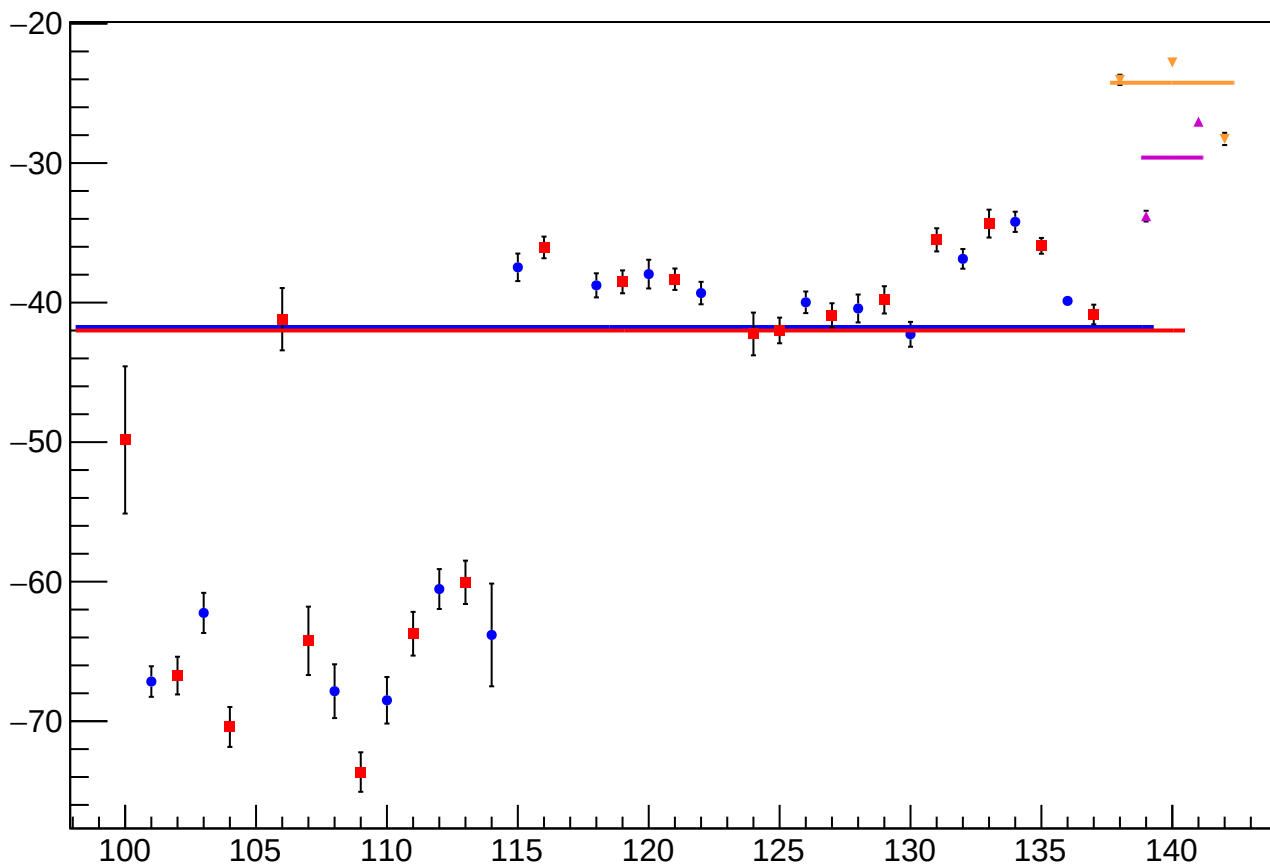
Left In: 3.112 ± 0.203 $\chi^2/\text{NDF}: 180.4/1$

+ sign 4.189 ± 0.119 $\chi^2/\text{NDF}: 3158.5/18$

All: 3.445 ± 0.092 $\chi^2/\text{NDF}: 6025.4/39$

- sign 2.340 ± 0.145 $\chi^2/\text{NDF}: 2770.0/20$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751 ± 0.208 $\chi^2/\text{NDF}: 1633.9/15$

Left Out: -24.244 ± 0.197 $\chi^2/\text{NDF}: 112.6/2$

Right Out: -41.999 ± 0.228 $\chi^2/\text{NDF}: 1985.2/18$

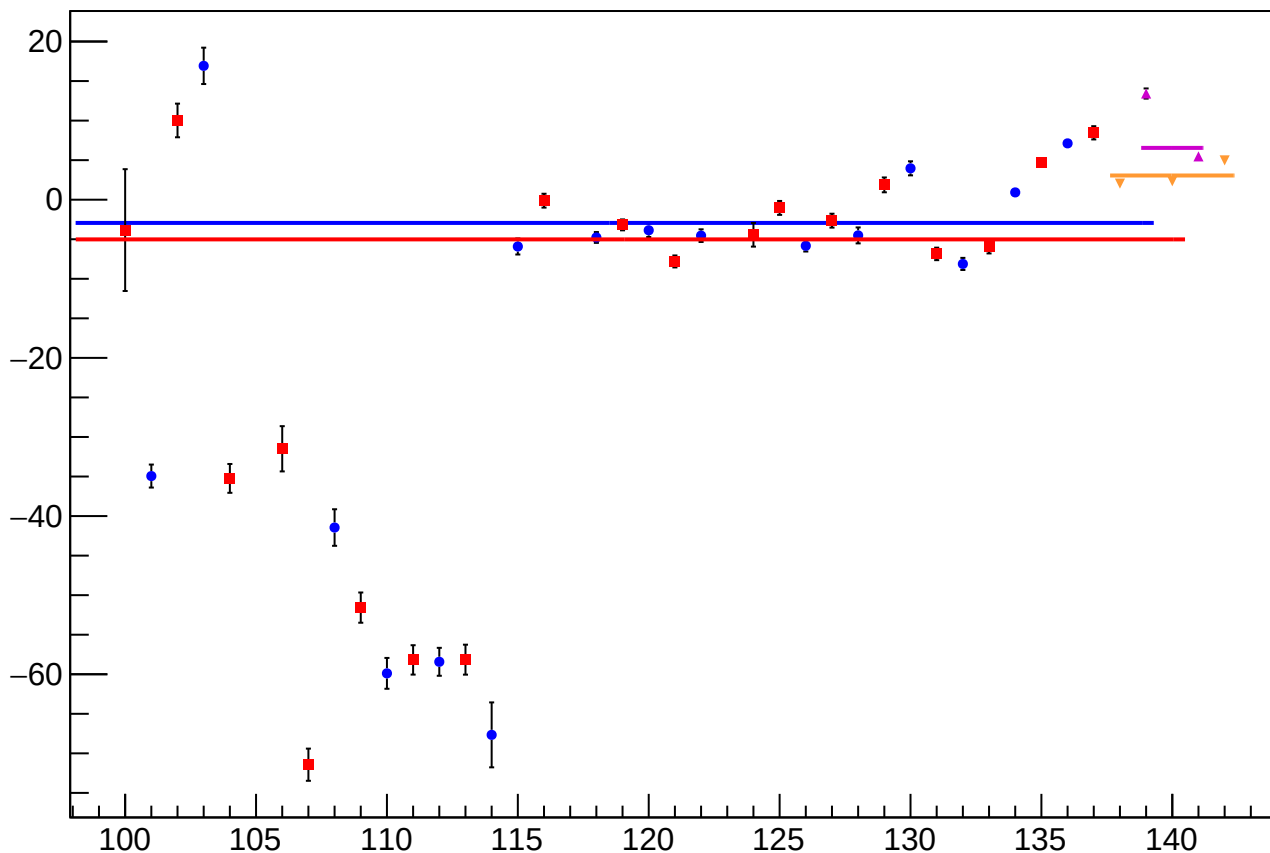
Left In: -29.608 ± 0.237 $\chi^2/\text{NDF}: 192.8/1$

+ sign -32.524 ± 0.143 $\chi^2/\text{NDF}: 5493.7/18$

All: -34.032 ± 0.108 $\chi^2/\text{NDF}: 9350.6/39$

- sign -36.029 ± 0.164 $\chi^2/\text{NDF}: 3597.6/20$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936 ± 0.210 $\chi^2/\text{NDF}: 3725.6/15$

Left Out: 3.060 ± 0.183 $\chi^2/\text{NDF}: 47.2/2$

Right Out: -5.018 ± 0.232 $\chi^2/\text{NDF}: 4377.3/18$

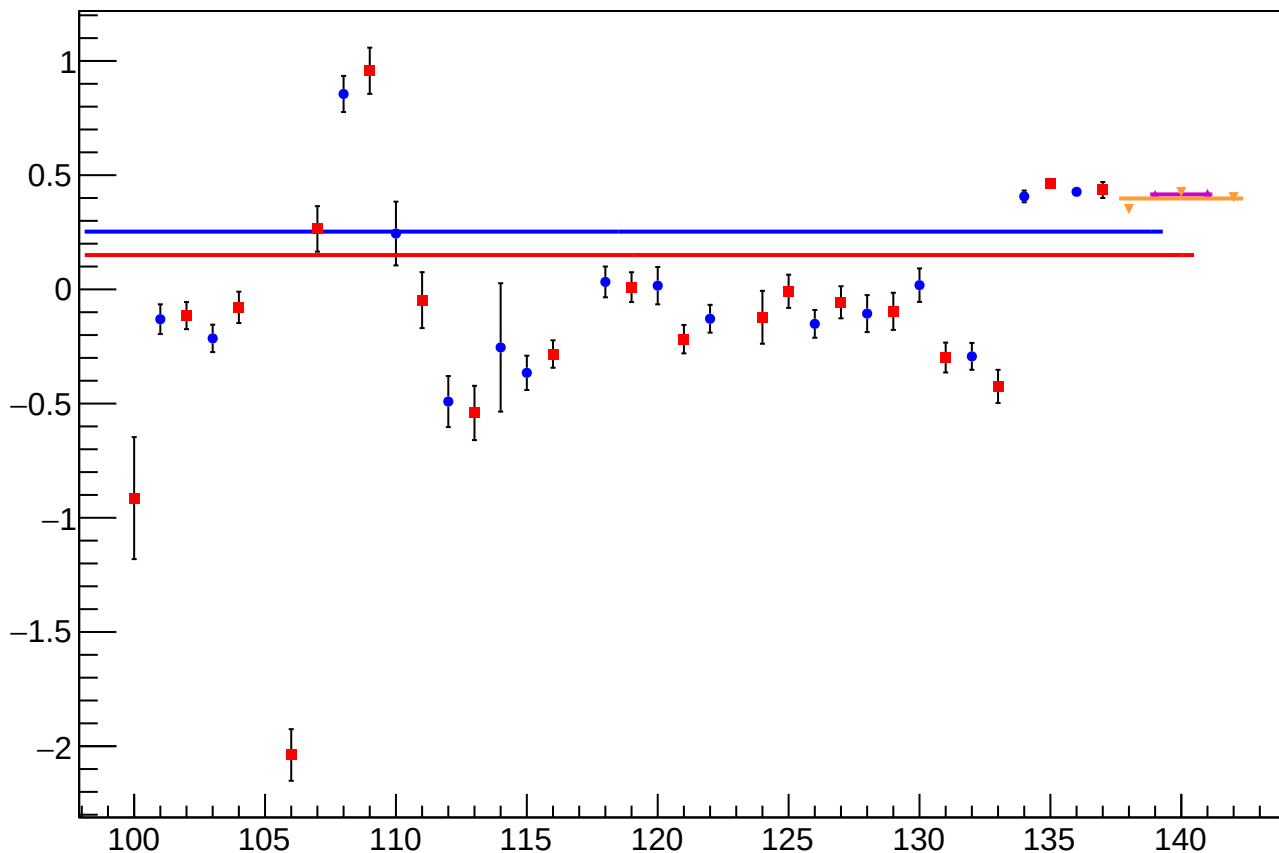
Left In: 6.550 ± 0.236 $\chi^2/\text{NDF}: 132.5/1$

+ sign 0.467 ± 0.138 $\chi^2/\text{NDF}: 4237.1/18$

All: 0.546 ± 0.106 $\chi^2/\text{NDF}: 9970.0/39$

- sign 0.659 ± 0.165 $\chi^2/\text{NDF}: 5732.1/20$

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253 ± 0.011 χ^2/NDF : 631.0/15

Left Out: 0.398 ± 0.008 χ^2/NDF : 15.1/2

Right Out: 0.150 ± 0.013 χ^2/NDF : 1018.0/18

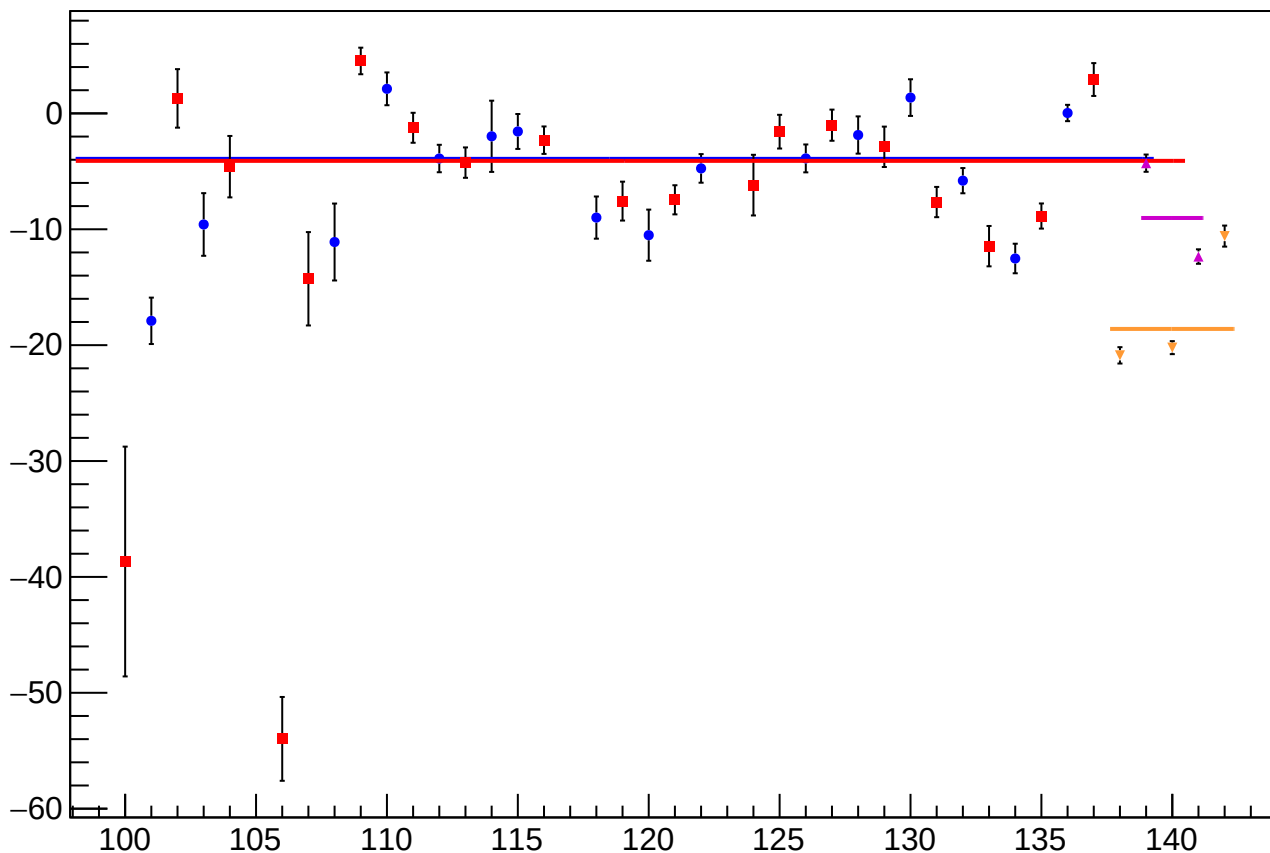
Left In: 0.416 ± 0.009 χ^2/NDF : 0.1/1

+ sign 0.348 ± 0.007 χ^2/NDF : 750.6/18

All: 0.340 ± 0.005 χ^2/NDF : 2039.8/39

- sign 0.331 ± 0.008 χ^2/NDF : 1286.4/20

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924 ± 0.346 χ^2/NDF : 188.8/15

Left Out: -18.599 ± 0.395 χ^2/NDF : 96.5/2

Right Out: -4.096 ± 0.357 χ^2/NDF : 366.9/18

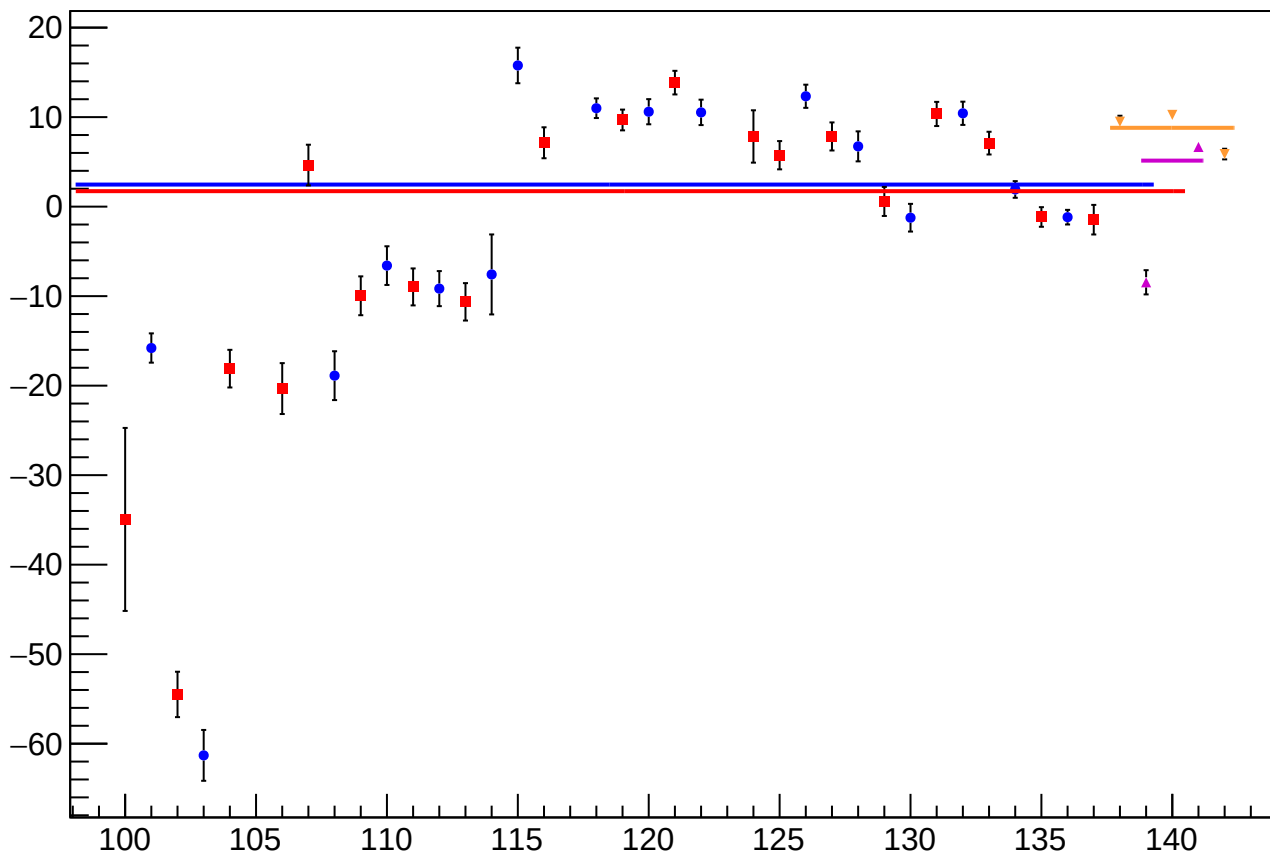
Left In: -9.025 ± 0.479 χ^2/NDF : 68.7/1

+ sign -10.289 ± 0.260 χ^2/NDF : 1065.4/18

All: -8.281 ± 0.193 χ^2/NDF : 1700.5/39

- sign -5.857 ± 0.286 χ^2/NDF : 503.8/20

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF : 1046.7/15

Left Out: 8.806+/-0.320 χ^2/NDF :35.2/2

Right Out: 1.728+/-0.386 χ^2/NDF : 983.1/18

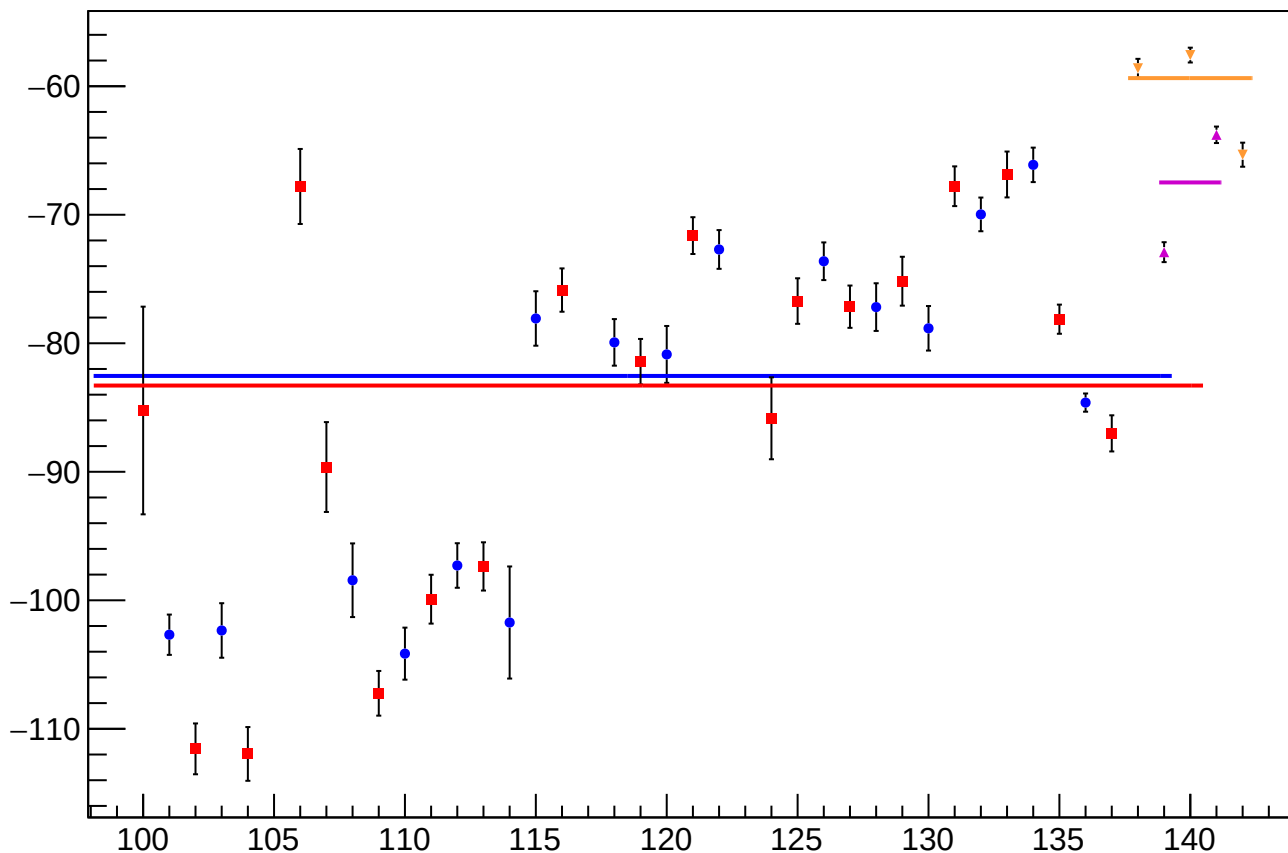
Left In: 5.141+/-0.430 χ^2/NDF :112.2/1

+ sign 5.980+/-0.238 χ^2/NDF : 1257.0/18

All: 4.868+/-0.183 χ^2/NDF : 2440.7/39

- sign 3.252+/-0.287 χ^2/NDF : 1130.2/20

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542 ± 0.384 χ^2/NDF : 838.8/15

Left Out: -59.368 ± 0.409 χ^2/NDF : 51.2/2

Right Out: -83.290 ± 0.414 χ^2/NDF : 1092.6/18

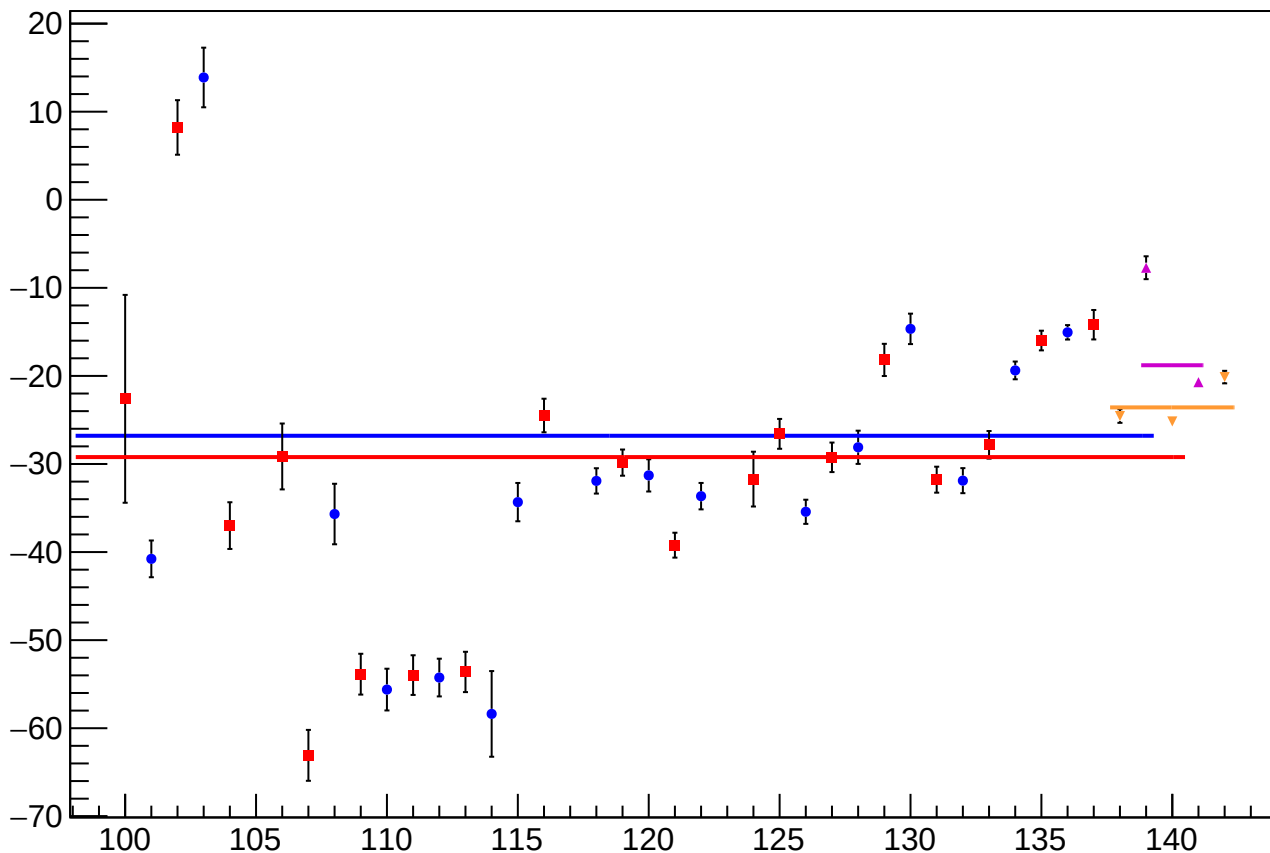
Left In: -67.486 ± 0.494 χ^2/NDF : 82.4/1

+ sign -71.662 ± 0.280 χ^2/NDF : 2597.1/18

All: -73.894 ± 0.210 χ^2/NDF : 4518.4/39

- sign -76.764 ± 0.317 χ^2/NDF : 1776.0/20

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796 ± 0.396 χ^2/NDF : 963.5/15

Left Out: -23.575 ± 0.381 χ^2/NDF : 33.2/2

Right Out: -29.216 ± 0.431 χ^2/NDF : 960.7/18

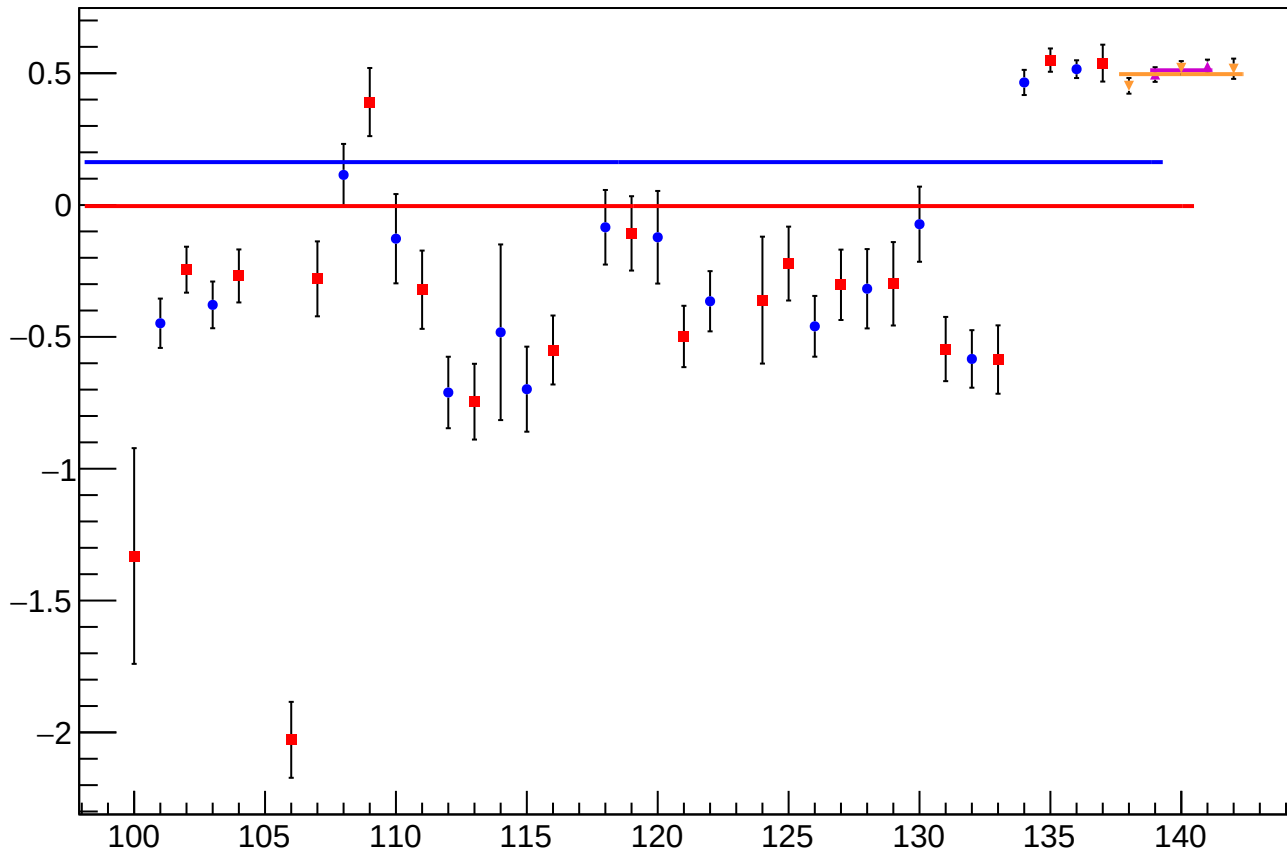
Left In: -18.789 ± 0.499 χ^2/NDF : 85.3/1

+ sign -25.126 ± 0.275 χ^2/NDF : 1031.0/18

All: -24.976 ± 0.210 χ^2/NDF : 2327.5/39

- sign -24.764 ± 0.326 χ^2/NDF : 1295.8/20

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163 ± 0.021 χ^2/NDF : 422.6/15

Left Out: 0.497 ± 0.017 χ^2/NDF : 3.4/2

Right Out: -0.004 ± 0.024 χ^2/NDF : 573.3/18

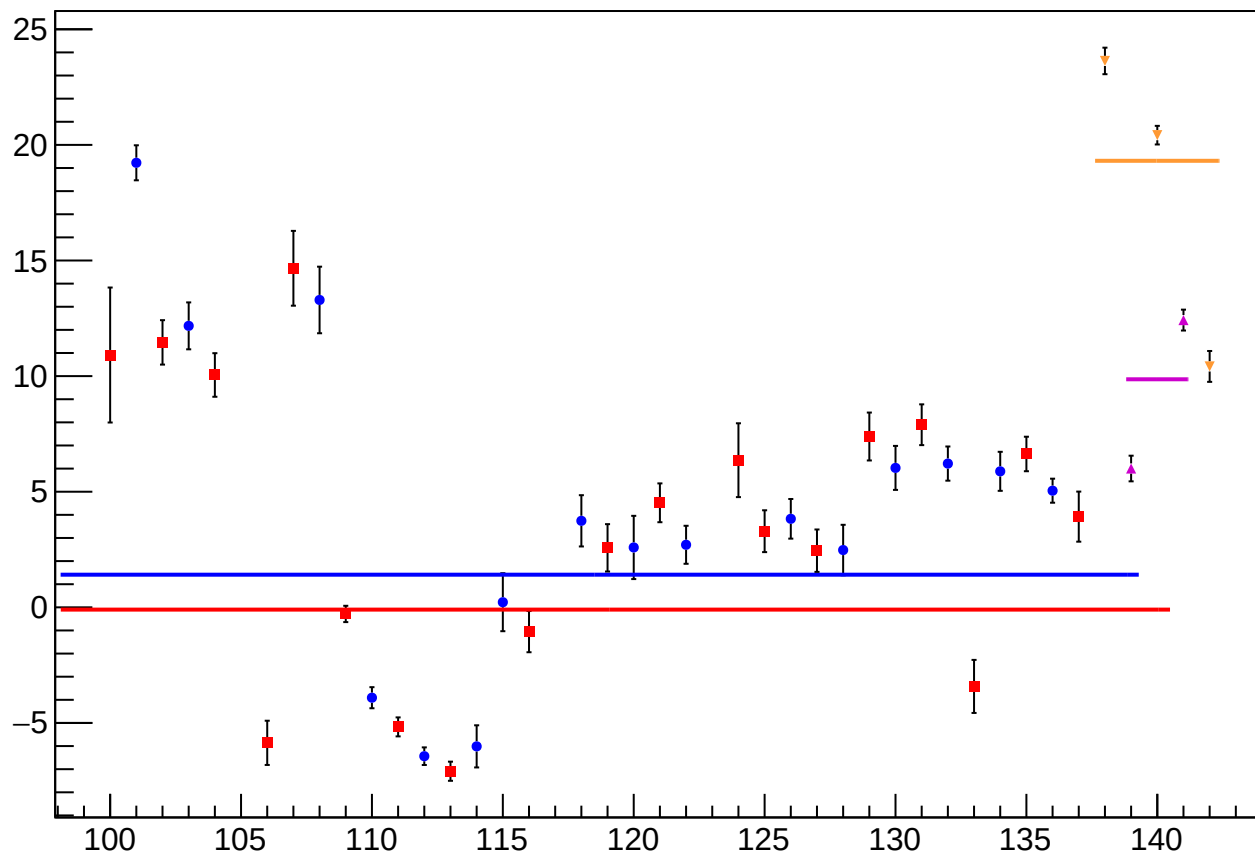
Left In: 0.511 ± 0.019 χ^2/NDF : 0.6/1

+ sign 0.364 ± 0.013 χ^2/NDF : 572.6/18

All: 0.343 ± 0.010 χ^2/NDF : 1428.5/39

- sign 0.316 ± 0.015 χ^2/NDF : 850.1/20

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412 ± 0.183 χ^2/NDF : 1522.1/15

Left Out: 19.312 ± 0.295 χ^2/NDF : 241.8/2

Right Out: -0.098 ± 0.167 χ^2/NDF : 1147.2/18

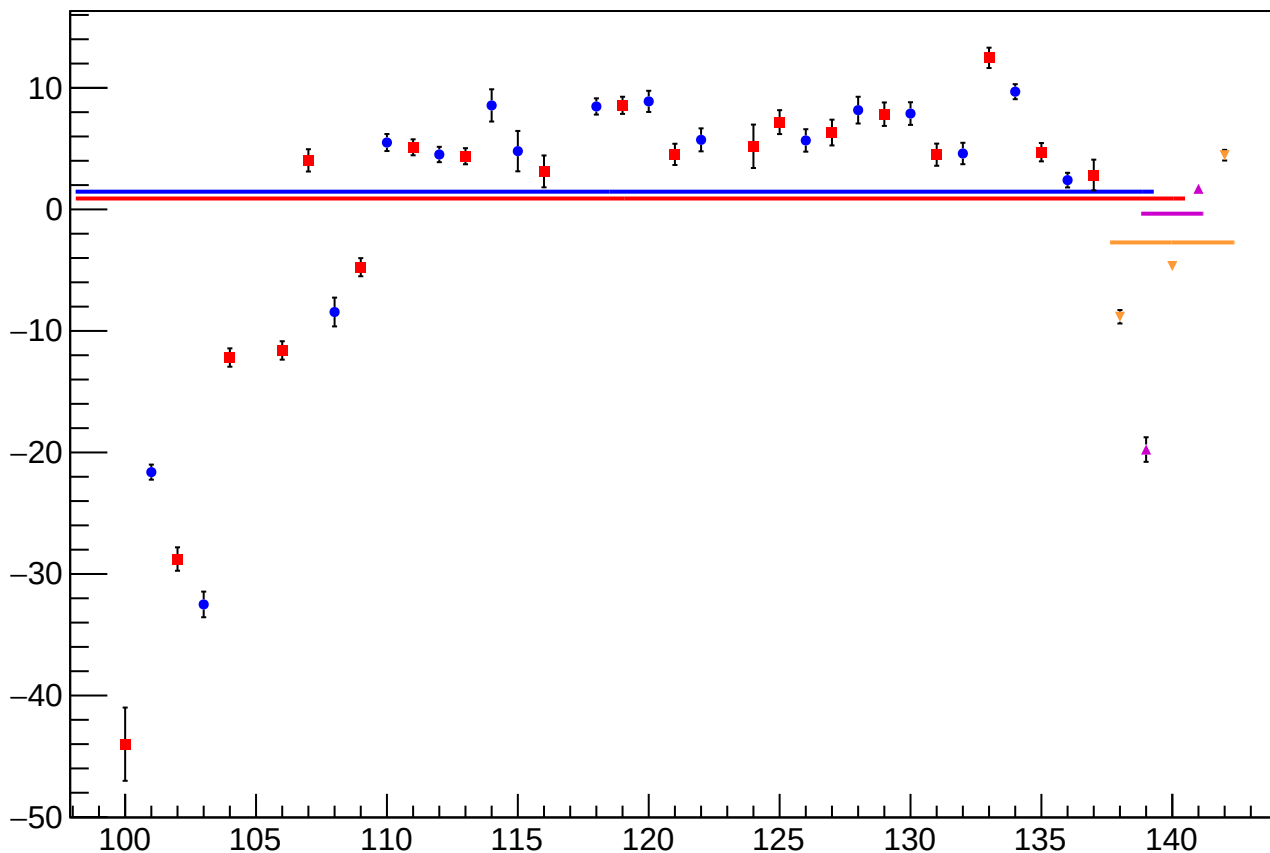
Left In: 9.863 ± 0.350 χ^2/NDF : 80.5/1

+ sign 6.378 ± 0.156 χ^2/NDF : 4415.5/18

All: 3.997 ± 0.108 χ^2/NDF : 6756.2/39

- sign 1.754 ± 0.151 χ^2/NDF : 1886.2/20

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: -2.720+/-0.239 χ^2/NDF : 424.8/2

Right Out: 0.896+/-0.202 χ^2/NDF : 2377.1/18

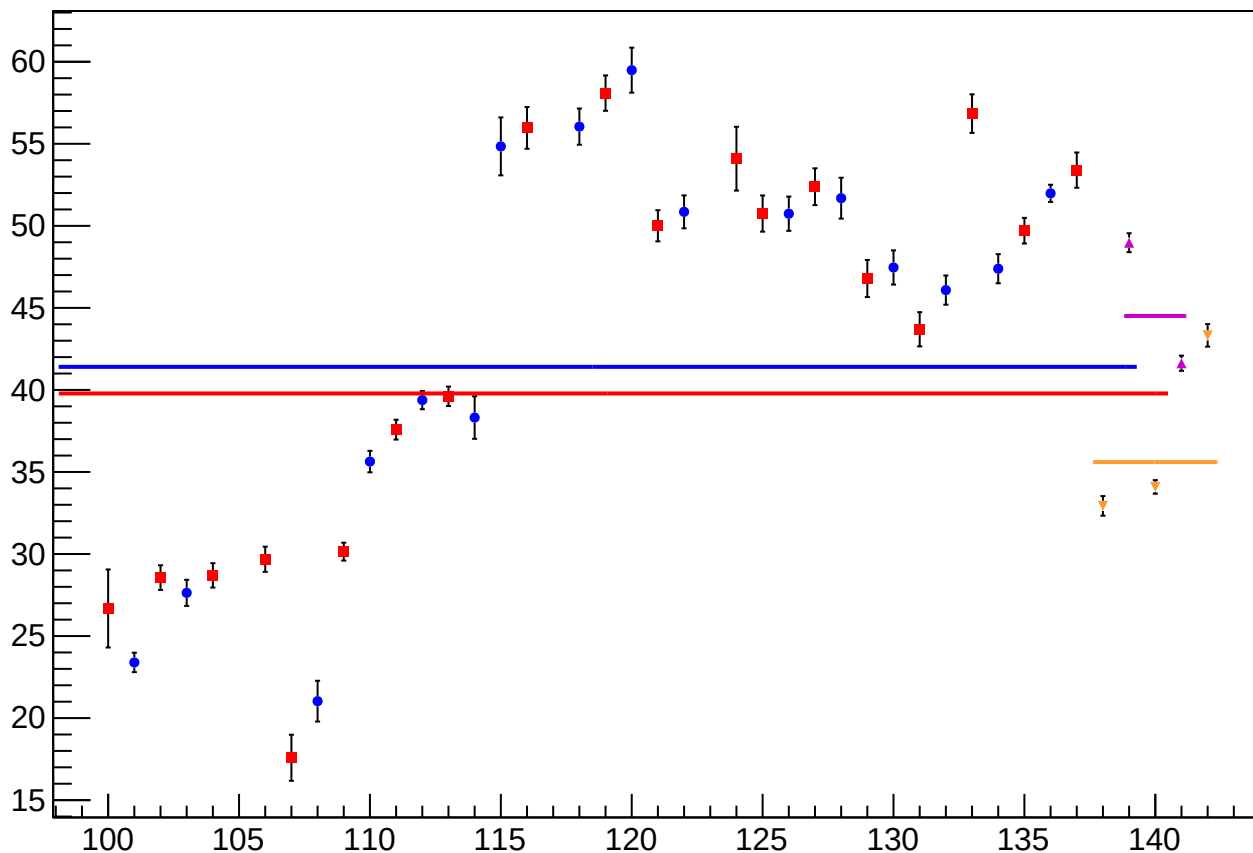
Left In: -0.352+/-0.313 χ^2/NDF : 407.4/1

+ sign -0.298+/-0.155 χ^2/NDF : 3682.5/18

All: 0.077+/-0.114 χ^2/NDF : 6491.2/39

- sign 0.528+/-0.170 χ^2/NDF : 2795.8/20

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407 $\pm$ 0.211 χ^2 /NDF: 2746.0/15

Left Out: 35.605 $\pm$ 0.305 χ^2 /NDF:159.2/2

Right Out: 39.784 $\pm$ 0.203 χ^2 /NDF: 2653.8/18

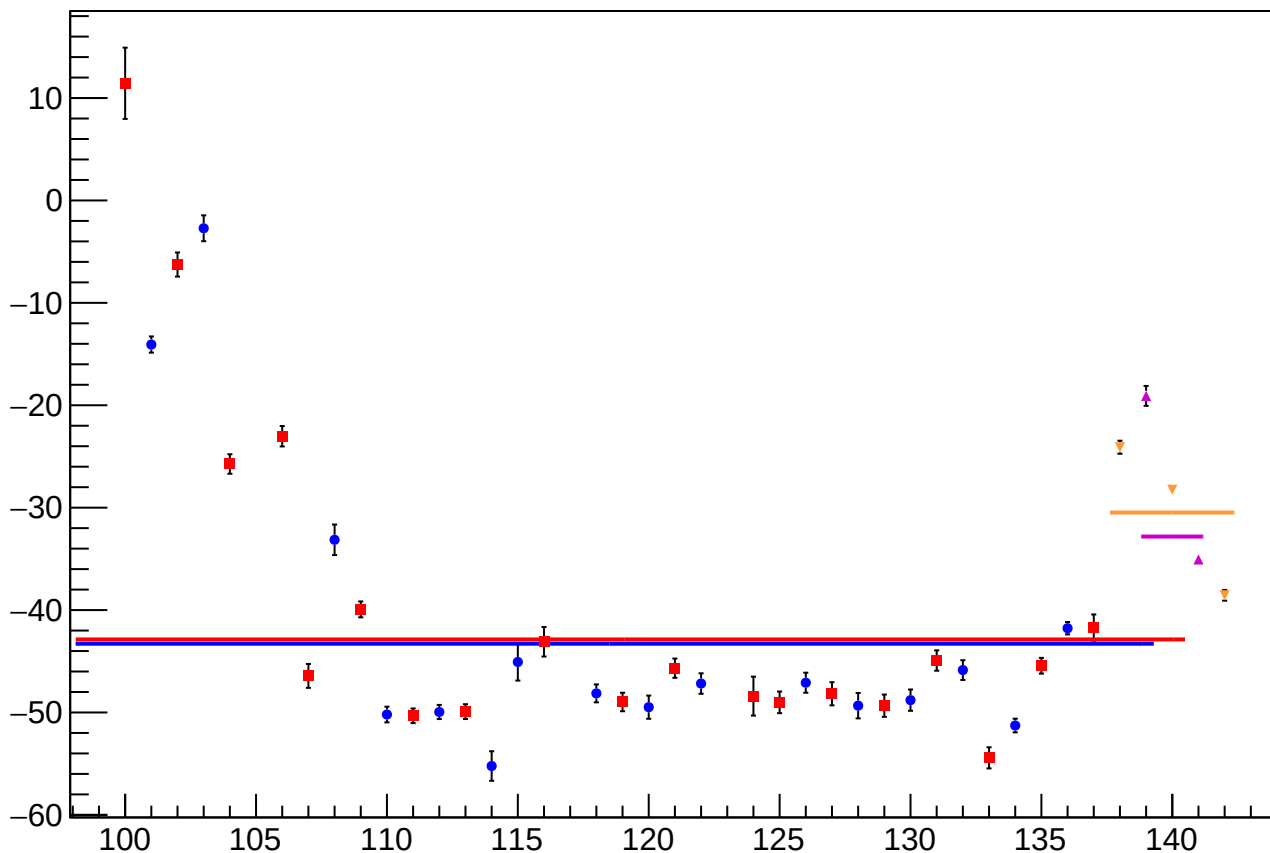
Left In: 44.508 $\pm$ 0.361 χ^2 /NDF:98.5/1

+ sign 39.535 $\pm$ 0.173 χ^2 /NDF: 3150.0/18

All: 40.212 $\pm$ 0.124 χ^2 /NDF: 6063.5/39

- sign 40.916 $\pm$ 0.177 χ^2 /NDF: 2882.3/20

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285 ± 0.229 χ^2/NDF : 2985.2/15

Left Out: -30.472 ± 0.284 χ^2/NDF : 369.2/2

Right Out: -42.867 ± 0.229 χ^2/NDF : 2454.2/18

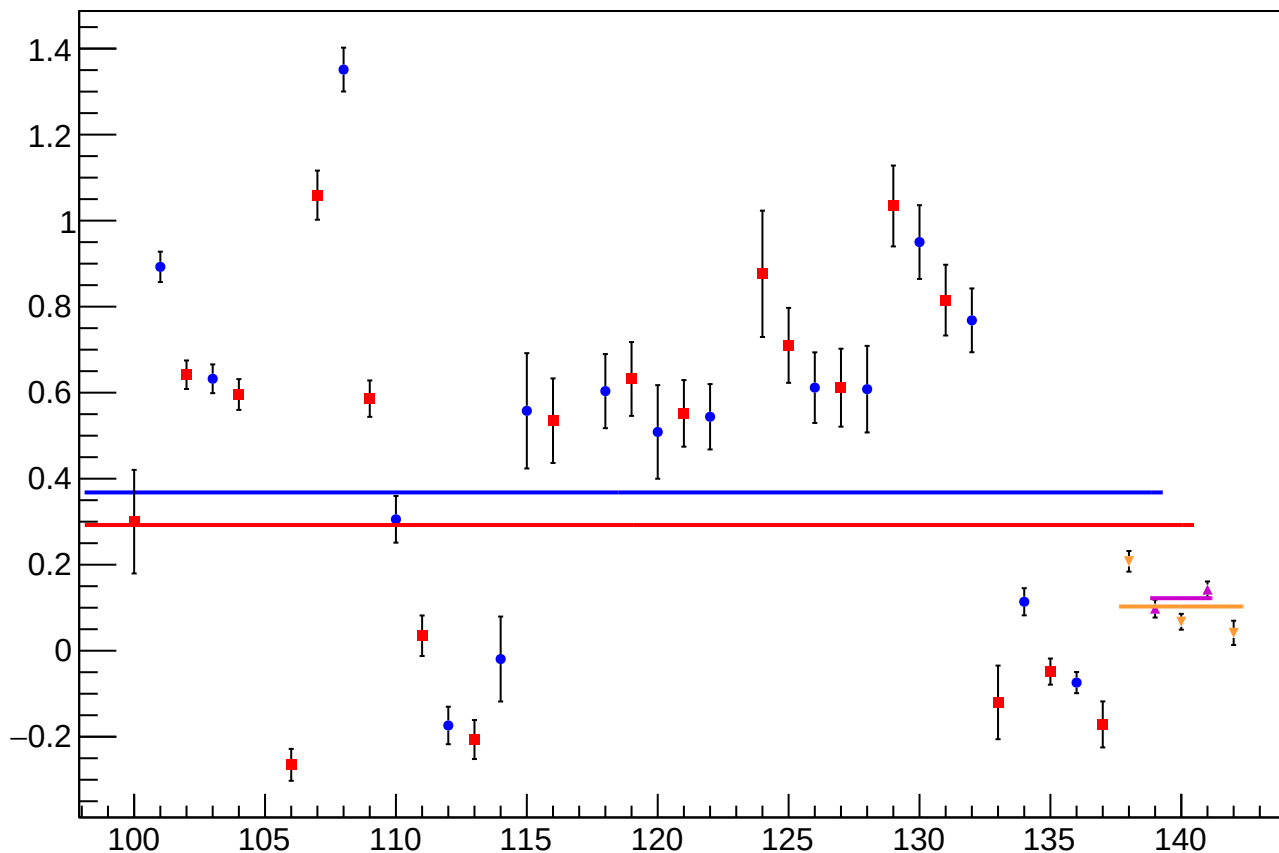
Left In: -32.822 ± 0.363 χ^2/NDF : 233.0/1

+ sign -38.237 ± 0.179 χ^2/NDF : 4584.2/18

All: -39.051 ± 0.131 χ^2/NDF : 7863.9/39

- sign -40.009 ± 0.194 χ^2/NDF : 3234.5/20

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368 ± 0.012 χ^2/NDF : 1320.9/15

Left Out: 0.103 ± 0.013 χ^2/NDF : 27.6/2

Right Out: 0.292 ± 0.012 χ^2/NDF : 1199.2/18

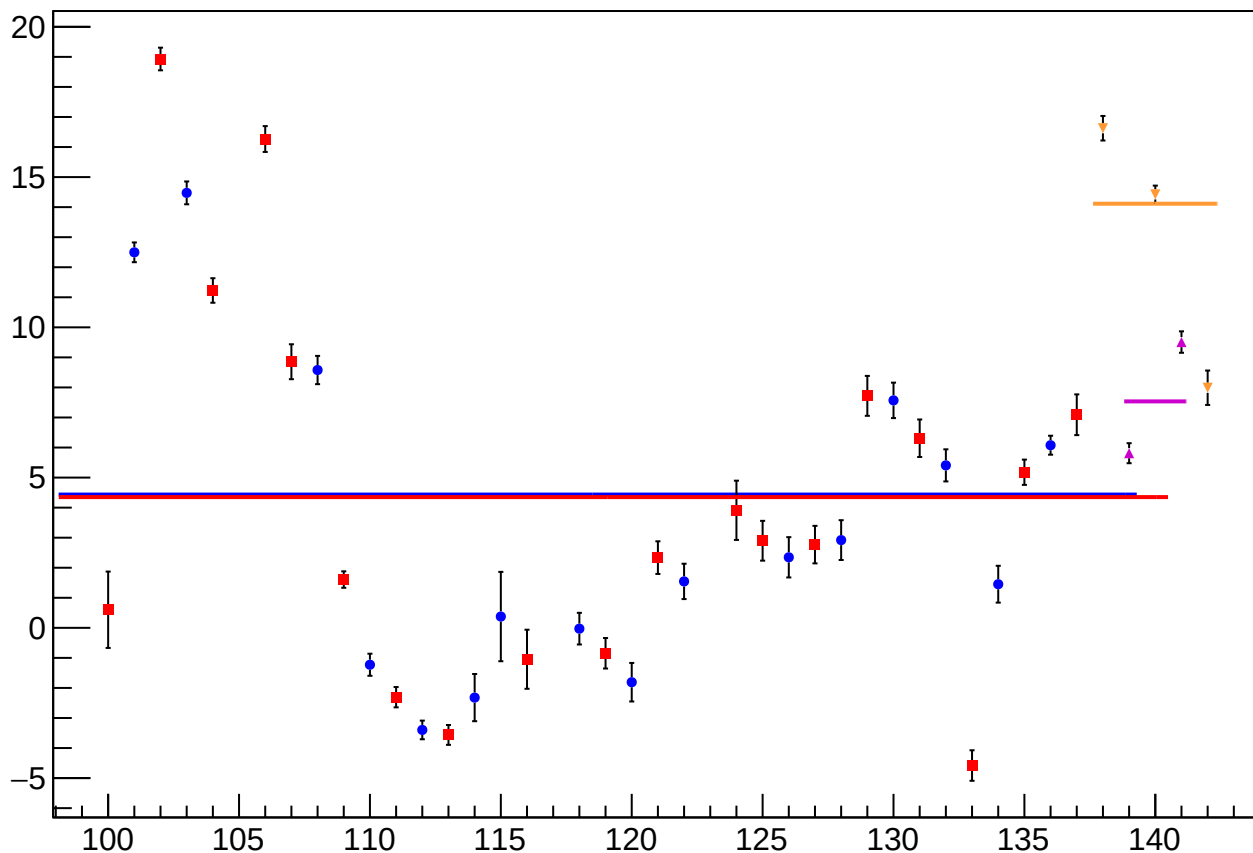
Left In: 0.122 ± 0.014 χ^2/NDF : 2.5/1

+ sign 0.244 ± 0.009 χ^2/NDF : 1570.2/18

All: 0.232 ± 0.006 χ^2/NDF : 2859.9/39

- sign 0.220 ± 0.009 χ^2/NDF : 1286.2/20

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF : 2622.0/15

Left Out: 14.114+/-0.219 χ^2/NDF :153.4/2

Right Out: 4.351+/-0.109 χ^2/NDF : 4205.3/18

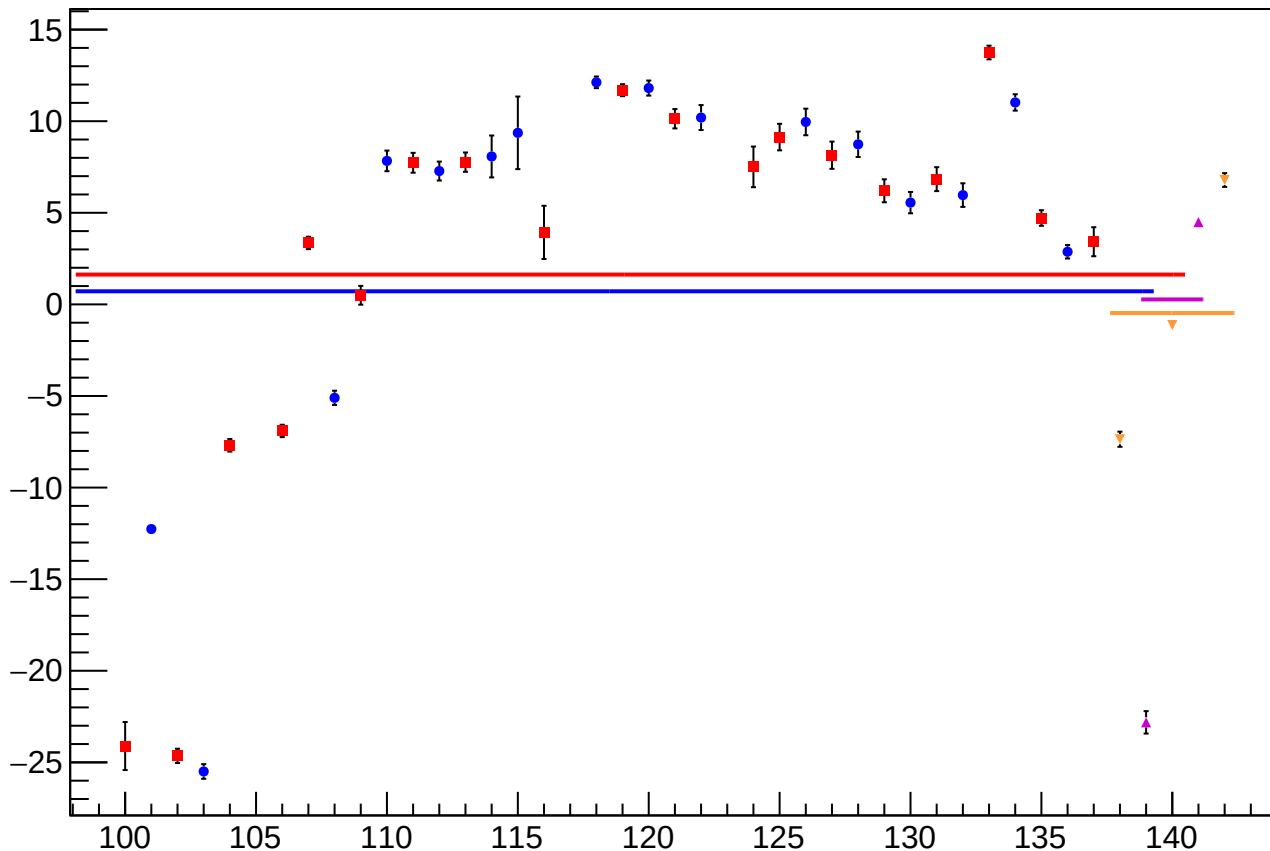
Left In: 7.536+/-0.244 χ^2/NDF :57.4/1

+ sign 6.580+/-0.103 χ^2/NDF : 4292.8/18

All: 5.701+/-0.072 χ^2/NDF : 8837.8/39

- sign 4.883+/-0.100 χ^2/NDF : 4405.0/20

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: -0.472 ± 0.184 χ^2/NDF : 655.9/2

Right Out: 1.627 ± 0.111 χ^2/NDF : 9255.5/18

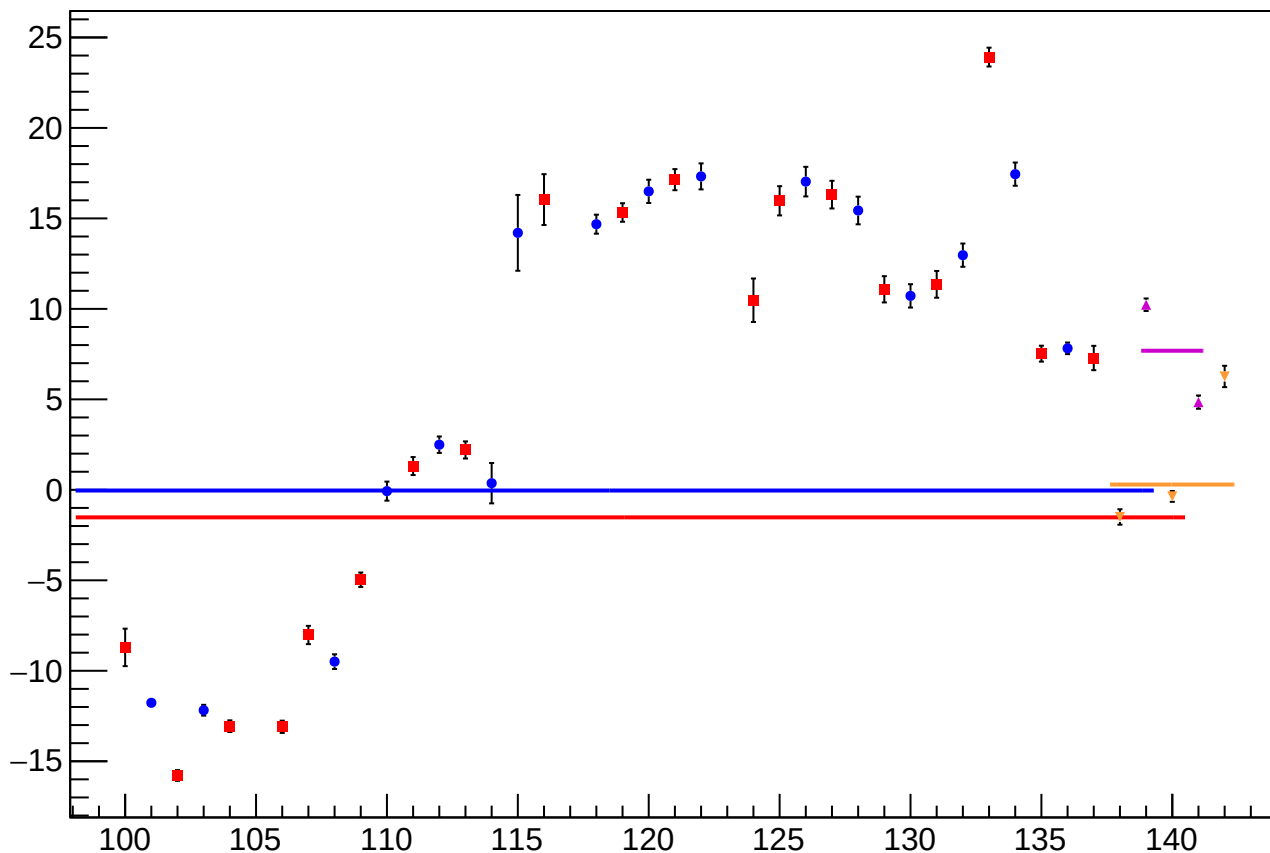
Left In: 0.272 ± 0.240 χ^2/NDF : 1684.1/1

+ sign 0.377 ± 0.098 χ^2/NDF : 11139.7/18

All: 0.869 ± 0.070 χ^2/NDF : 22157.2/39

- sign 1.389 ± 0.101 χ^2/NDF : 10965.8/20

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: 0.293 ± 0.227 χ^2/NDF : 124.8/2

Right Out: -1.521 ± 0.115 χ^2/NDF : 12130.2/18

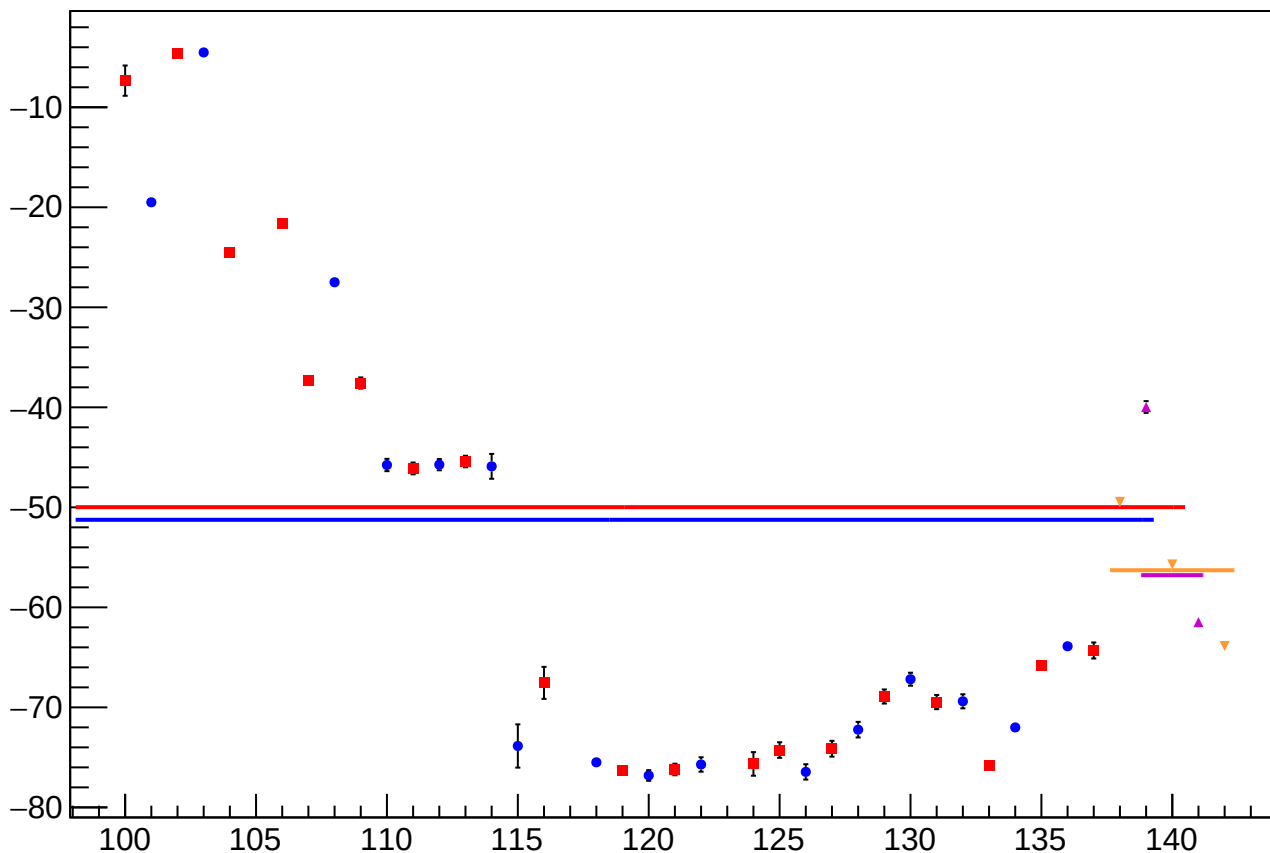
Left In: 7.687 ± 0.252 χ^2/NDF : 114.0/1

+ sign 0.034 ± 0.106 χ^2/NDF : 9400.8/18

All: 0.053 ± 0.074 χ^2/NDF : 22752.4/39

- sign 0.072 ± 0.105 χ^2/NDF : 13351.5/20

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: -56.287 $\pm$ 0.218 χ^2 /NDF:499.4/2

Right Out: -49.983 $\pm$ 0.131 χ^2 /NDF: 33892.5/18

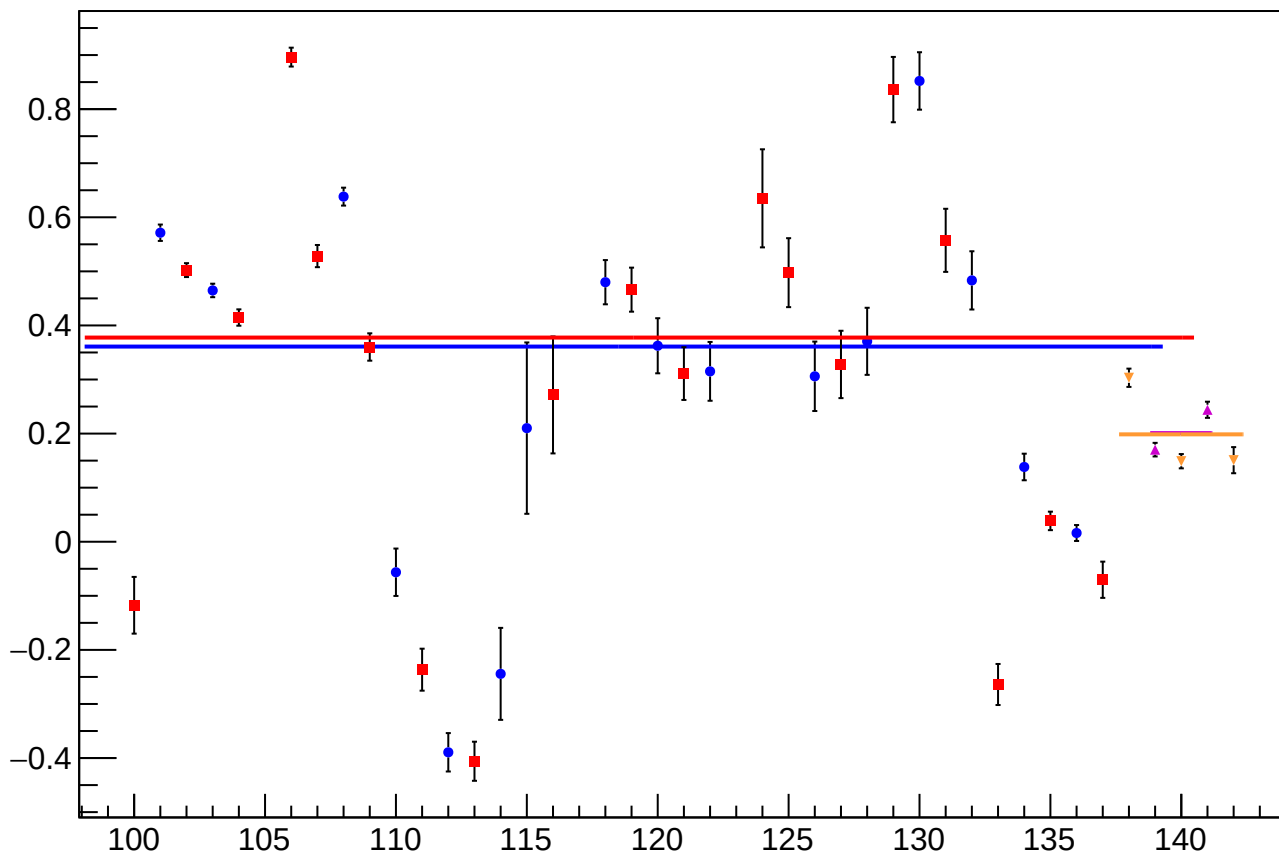
Left In: -56.782 $\pm$ 0.275 χ^2 /NDF:1047.1/1

+ sign -52.656 $\pm$ 0.115 χ^2 /NDF: 34650.3/18

All: -51.964 $\pm$ 0.082 χ^2 /NDF: 70163.5/39

- sign -51.238 $\pm$ 0.118 χ^2 /NDF: 35439.3/20

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: 0.199 $\pm$ 0.010 χ^2/NDF : 56.4/2

Right Out: 0.378 $\pm$ 0.006 χ^2/NDF : 2790.5/18

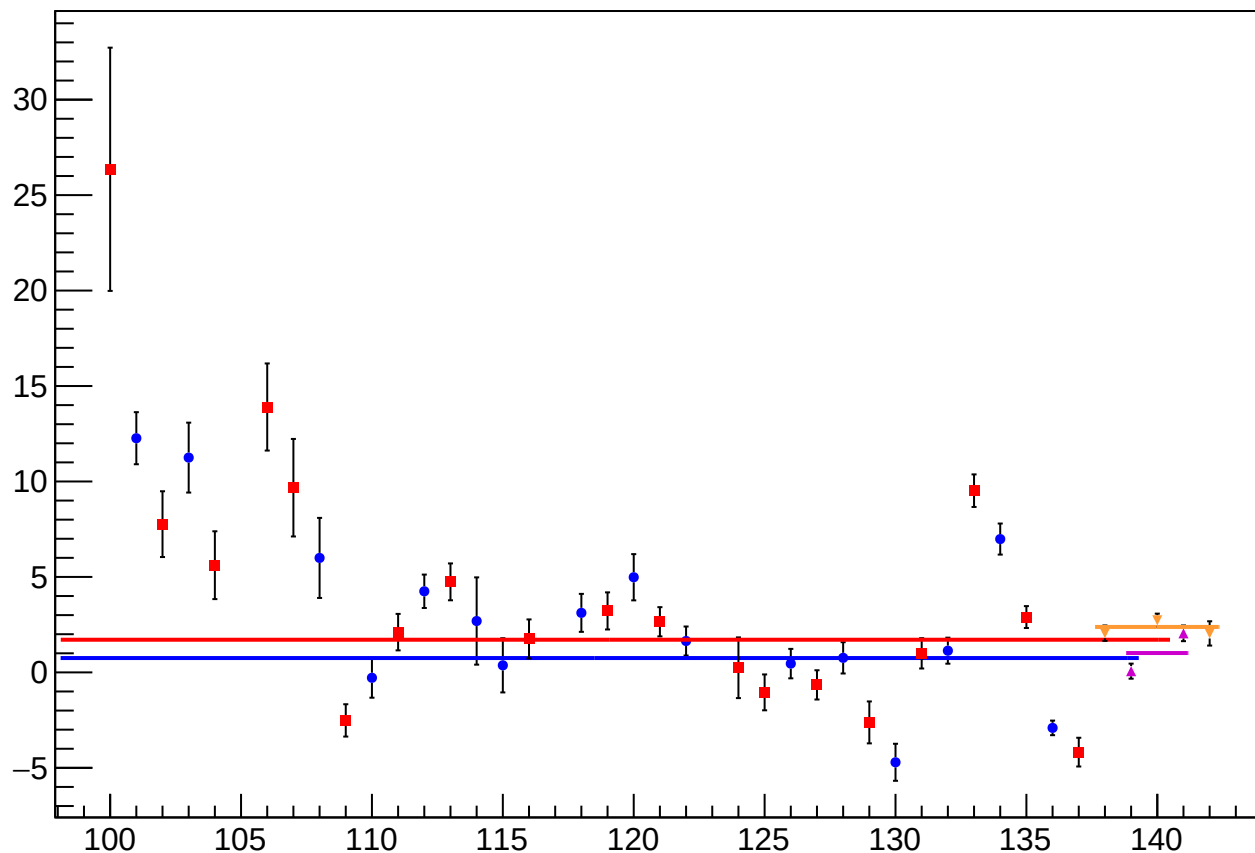
Left In: 0.201 $\pm$ 0.010 χ^2/NDF : 14.3/1

+ sign 0.311 $\pm$ 0.005 χ^2/NDF : 2116.2/18

All: 0.319 $\pm$ 0.004 χ^2/NDF : 5165.5/39

- sign 0.327 $\pm$ 0.005 χ^2/NDF : 3044.8/20

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: 2.380 ± 0.244 χ^2/NDF : 1.9/2

Right Out: 1.710 ± 0.223 χ^2/NDF : 293.8/18

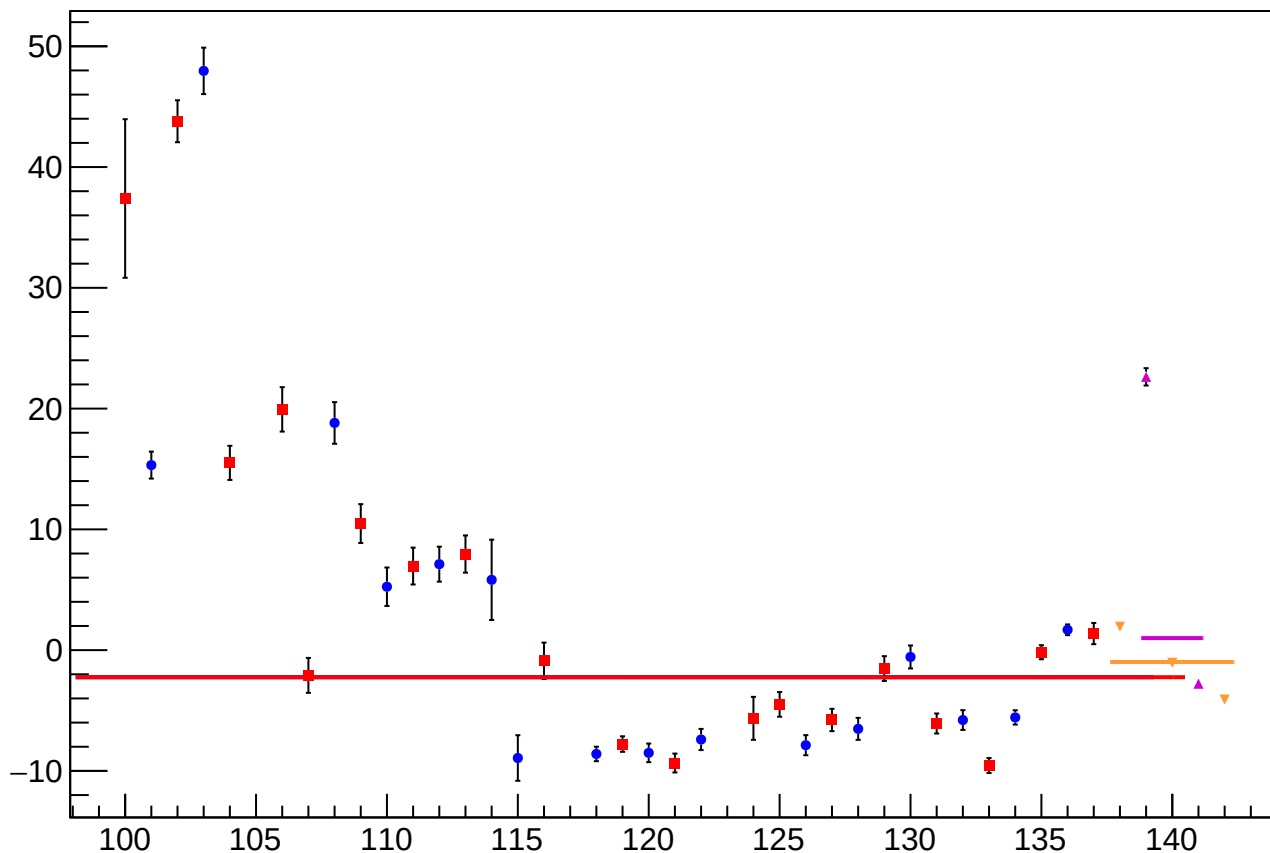
Left In: 1.014 ± 0.285 χ^2/NDF : 12.1/1

+ sign 1.452 ± 0.160 χ^2/NDF : 357.3/18

All: 1.449 ± 0.118 χ^2/NDF : 667.0/39

- sign 1.446 ± 0.175 χ^2/NDF : 309.7/20

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: -0.980 ± 0.204 χ^2/NDF : 110.2/2

Right Out: -2.242 ± 0.229 χ^2/NDF : 1555.6/18

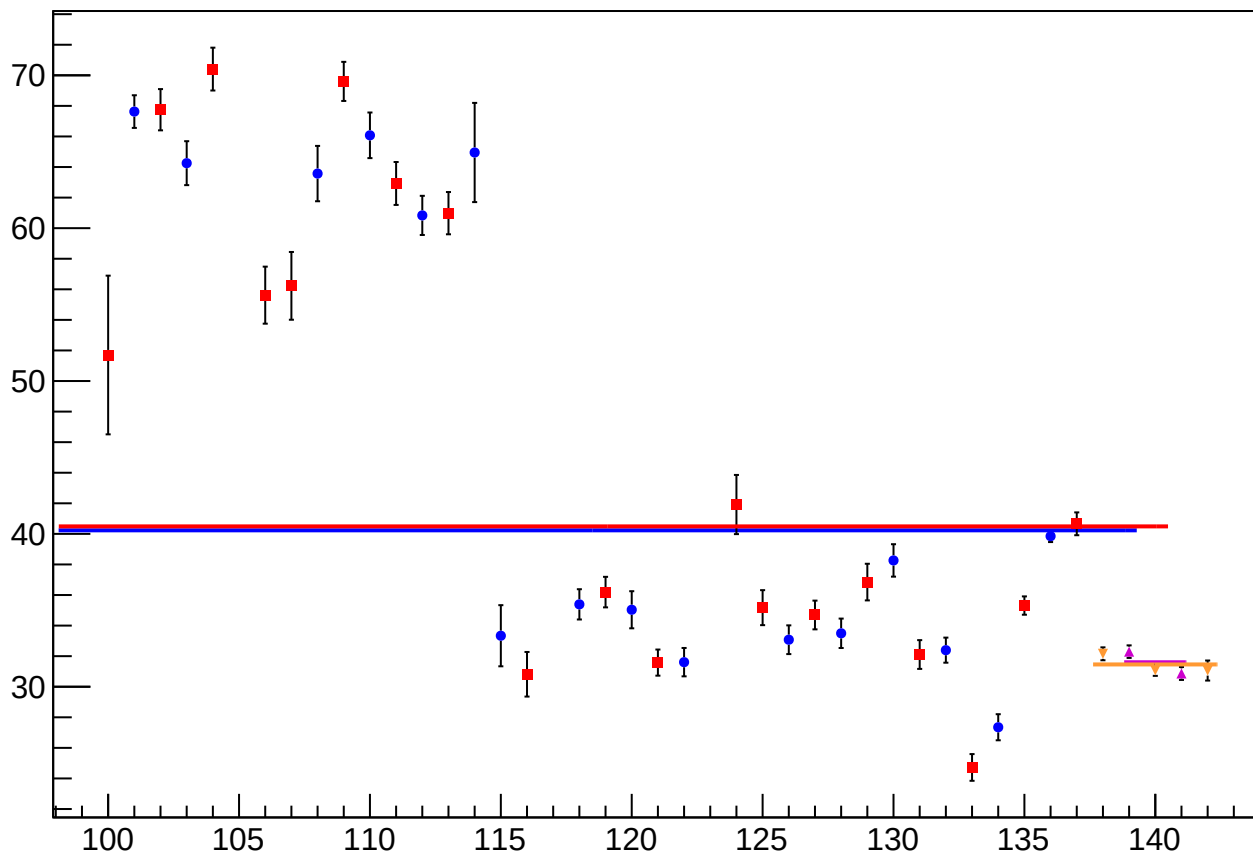
Left In: 0.997 ± 0.277 χ^2/NDF : 1066.1/1

+ sign -1.580 ± 0.148 χ^2/NDF : 1700.9/18

All: -1.309 ± 0.113 χ^2/NDF : 4412.0/39

- sign -0.926 ± 0.176 χ^2/NDF : 2703.1/20

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232 ± 0.231 χ^2/NDF : 2291.1/15

Left Out: 31.458 ± 0.253 χ^2/NDF : 4.2/2

Right Out: 40.490 ± 0.250 χ^2/NDF : 2698.0/18

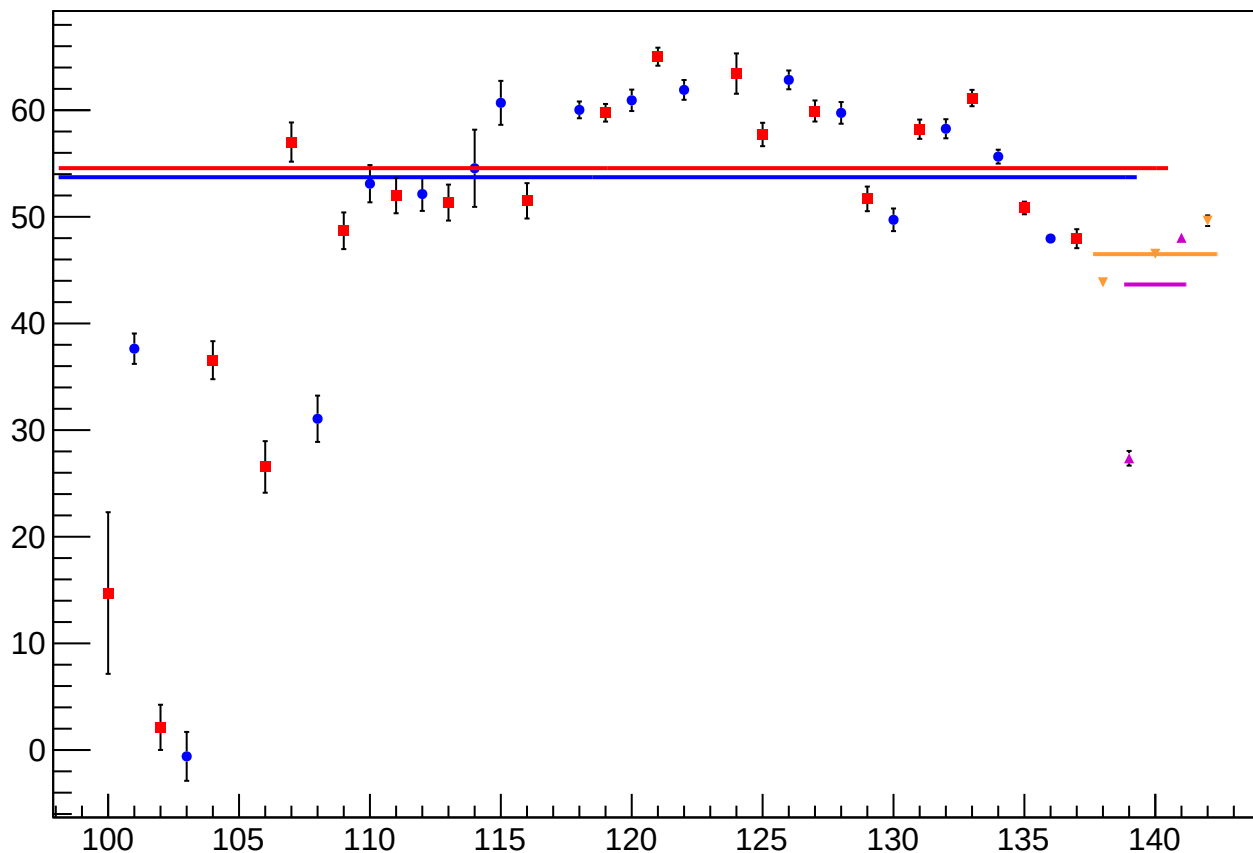
Left In: 31.601 ± 0.294 χ^2/NDF : 5.9/1

+ sign 36.231 ± 0.171 χ^2/NDF : 2950.8/18

All: 36.464 ± 0.127 χ^2/NDF : 6188.2/39

- sign 36.756 ± 0.191 χ^2/NDF : 3233.1/20

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715+/-0.239 χ^2 /NDF: 1362.7/15

Left Out: 46.500+/-0.242 χ^2 /NDF: 73.5/2

Right Out: 54.565+/-0.256 χ^2 /NDF: 1342.6/18

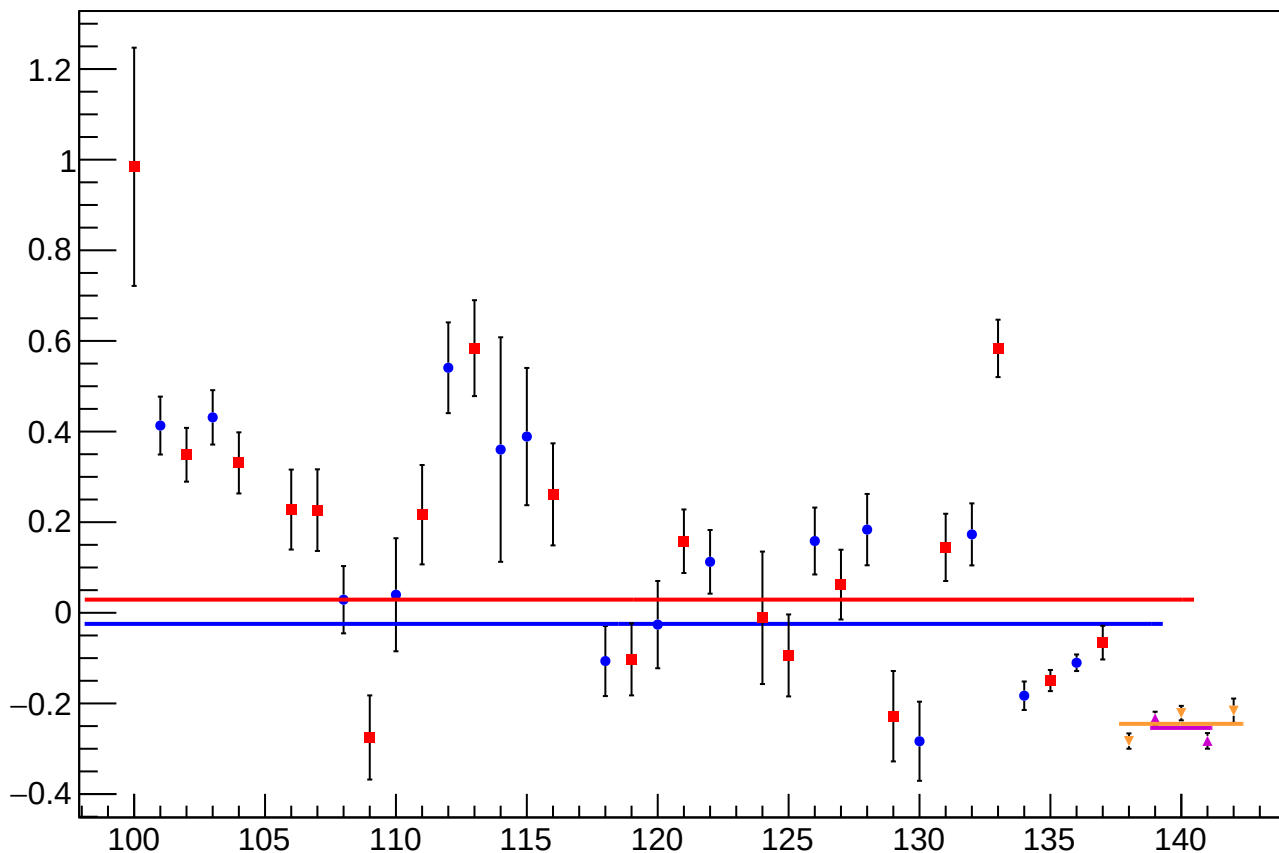
Left In: 43.655+/-0.317 χ^2 /NDF: 709.5/1

+ sign 50.156+/-0.170 χ^2 /NDF: 1885.7/18

All: 50.200+/-0.129 χ^2 /NDF: 4654.0/39

- sign 50.259+/-0.199 χ^2 /NDF: 2768.2/20

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: -0.245 ± 0.011 χ^2/NDF : 8.4/2

Right Out: 0.029 ± 0.014 χ^2/NDF : 276.4/18

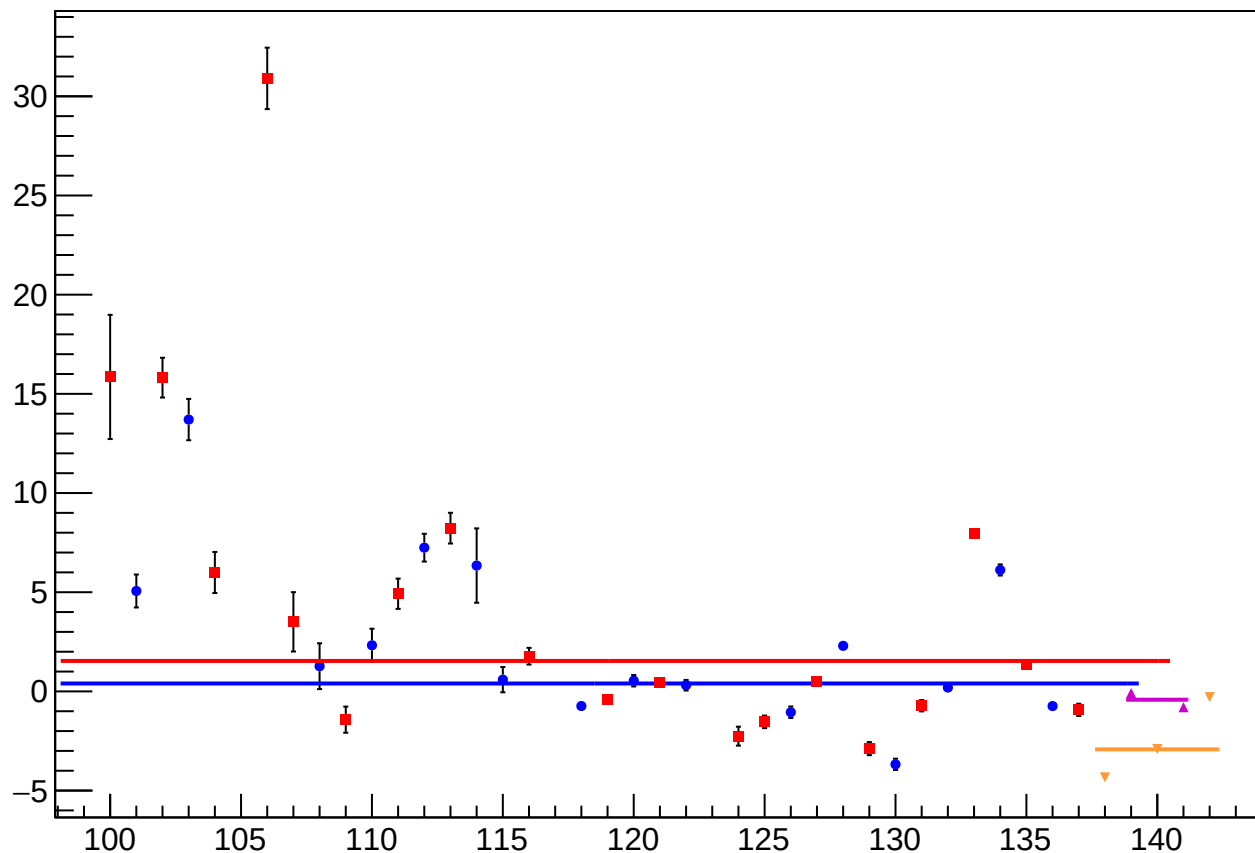
Left In: -0.254 ± 0.011 χ^2/NDF : 4.8/1

+ sign -0.155 ± 0.008 χ^2/NDF : 413.5/18

All: -0.151 ± 0.006 χ^2/NDF : 938.9/39

- sign -0.146 ± 0.009 χ^2/NDF : 524.9/20

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: -2.922 ± 0.091 χ^2/NDF : 191.9/2

Right Out: 1.536 ± 0.078 χ^2/NDF : 2411.2/18

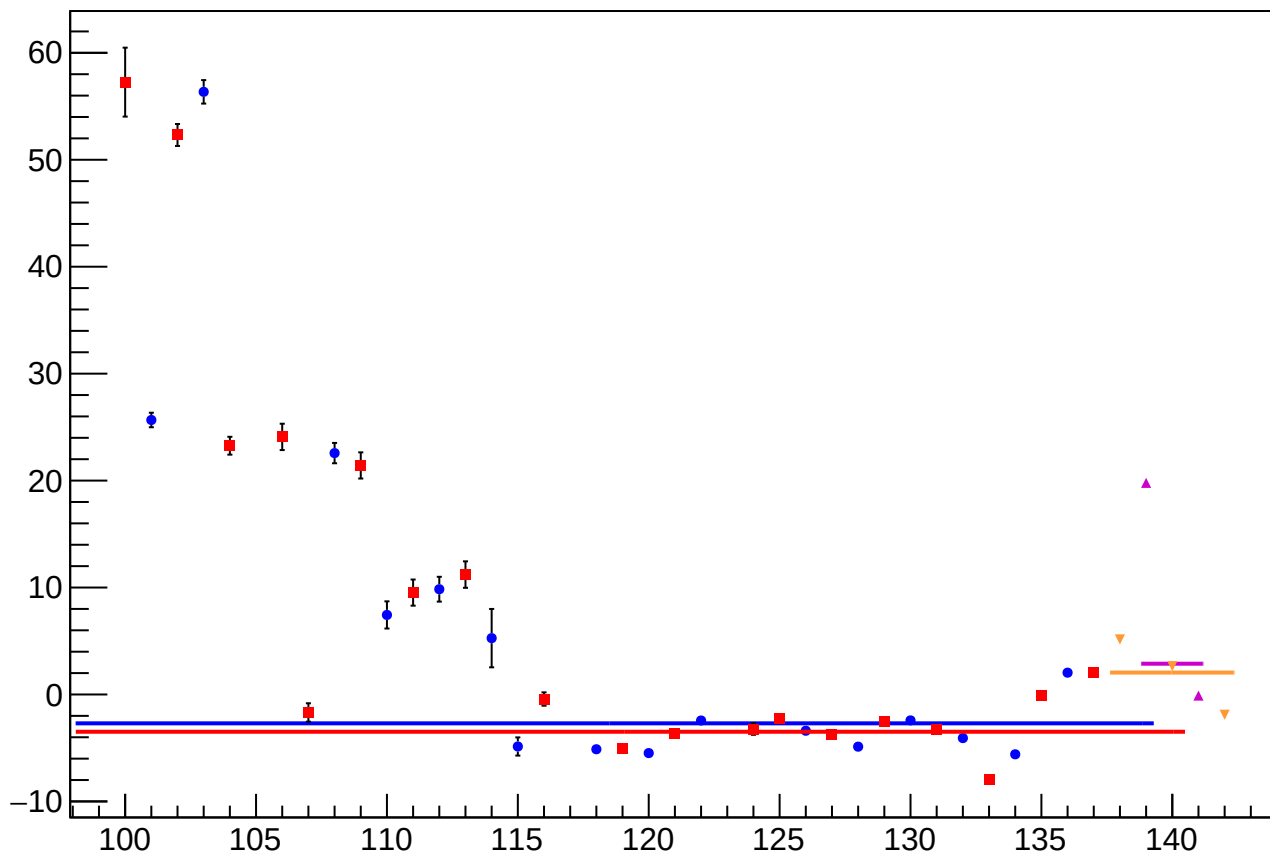
Left In: -0.419 ± 0.100 χ^2/NDF : 12.8/1

+ sign -0.984 ± 0.059 χ^2/NDF : 2061.9/18

All: -0.135 ± 0.043 χ^2/NDF : 5158.3/39

- sign 0.796 ± 0.062 χ^2/NDF : 2660.4/20

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: 2.050 ± 0.076 χ^2/NDF : 1005.5/2

Right Out: -3.486 ± 0.071 χ^2/NDF : 7159.9/18

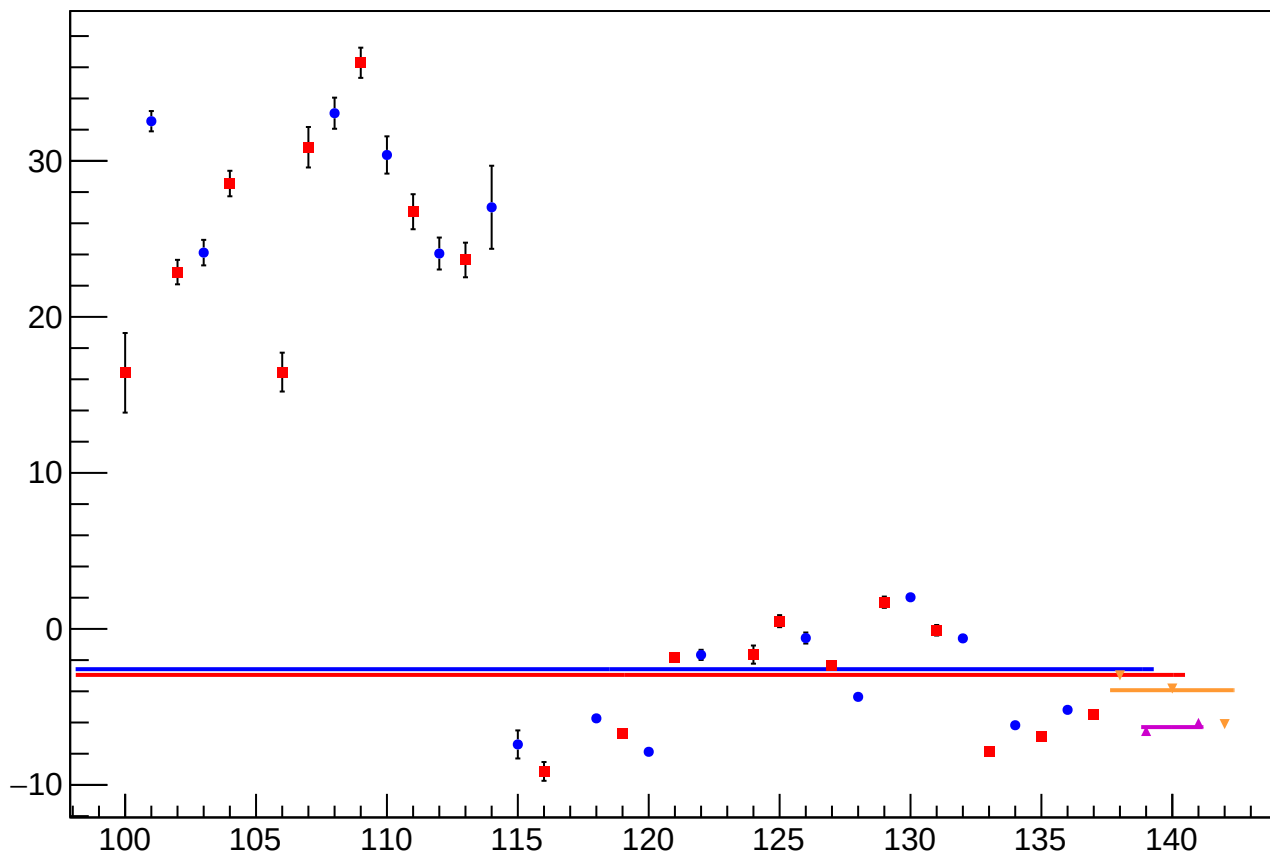
Left In: 2.877 ± 0.098 χ^2/NDF : 5200.1/1

+ sign -0.499 ± 0.052 χ^2/NDF : 10197.9/18

All: -0.864 ± 0.038 χ^2/NDF : 25421.4/39

- sign -1.314 ± 0.058 χ^2/NDF : 15112.7/20

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: -3.929 ± 0.094 χ^2/NDF : 108.6/2

Right Out: -2.948 ± 0.085 χ^2/NDF : 8196.4/18

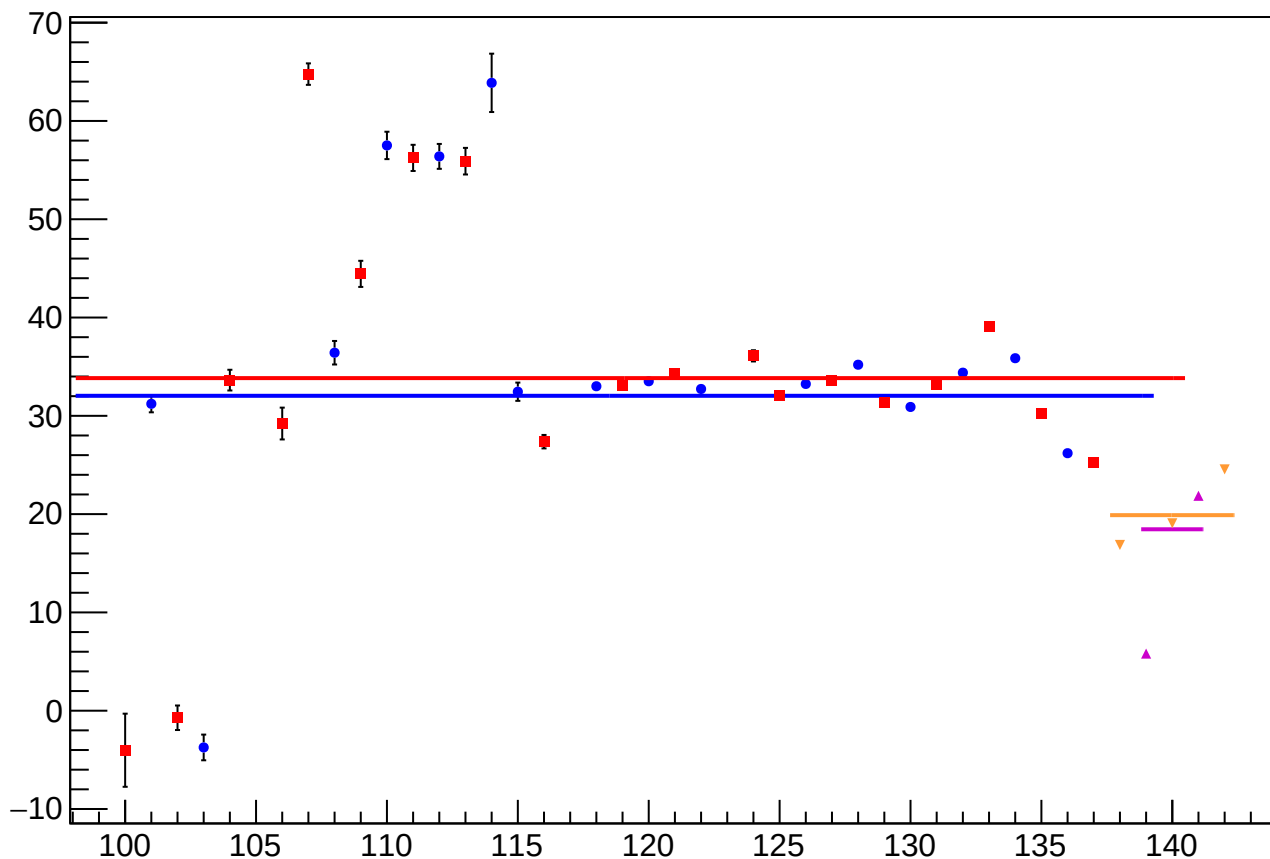
Left In: -6.294 ± 0.103 χ^2/NDF : 6.3/1

+ sign -3.170 ± 0.062 χ^2/NDF : 8383.2/18

All: -3.703 ± 0.045 χ^2/NDF : 17364.5/39

- sign -4.295 ± 0.066 χ^2/NDF : 8827.1/20

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF : 3255.9/15

Left Out: 19.894+/-0.090 χ^2/NDF : 916.3/2

Right Out: 33.837+/-0.082 χ^2/NDF : 4237.8/18

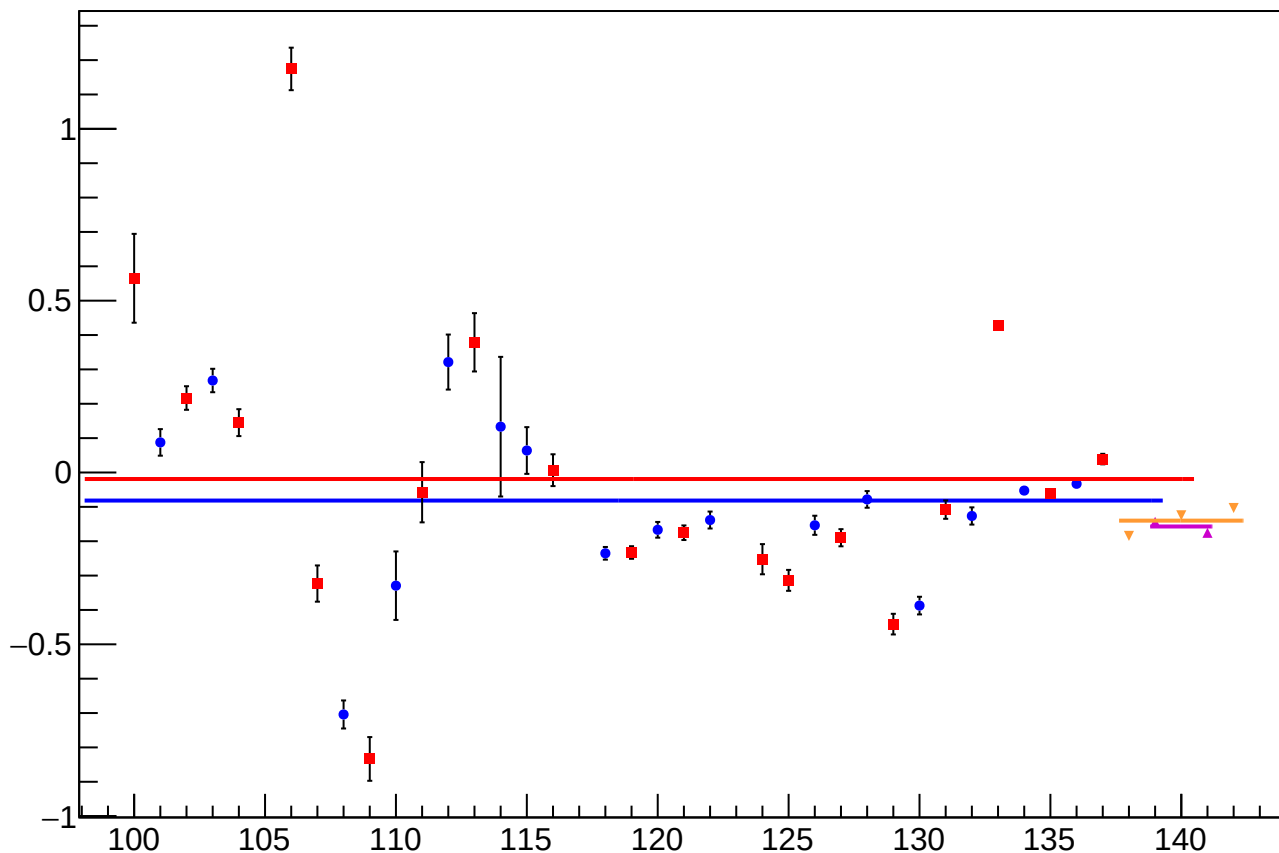
Left In: 18.457+/-0.113 χ^2/NDF : 3398.6/1

+ sign 26.606+/-0.060 χ^2/NDF : 14153.8/18

All: 27.488+/-0.045 χ^2/NDF : 34483.1/39

- sign 28.541+/-0.066 χ^2/NDF : 19862.5/20

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 ± 0.004 χ^2/NDF : 60.4/2

Right Out: -0.019 ± 0.005 χ^2/NDF : 2273.7/18

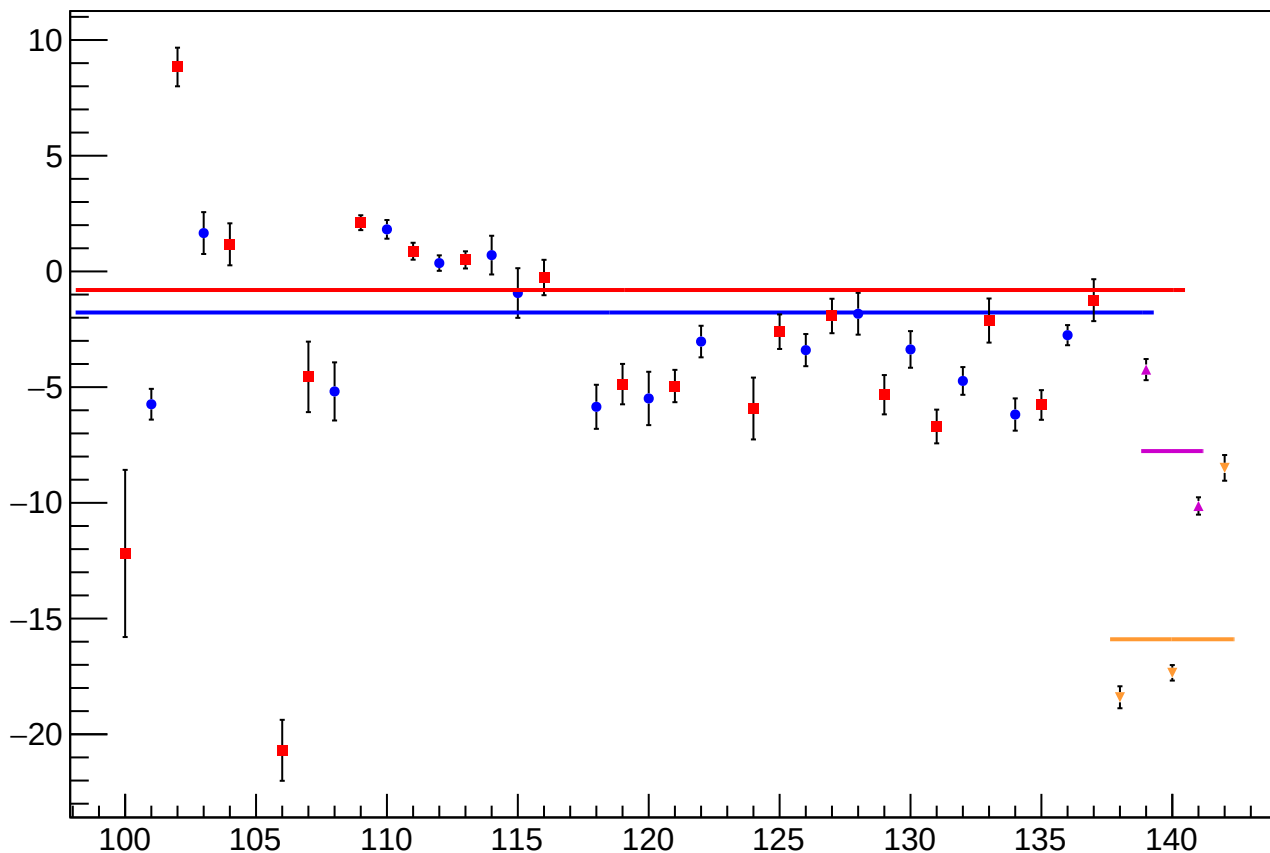
Left In: -0.157 ± 0.004 χ^2/NDF : 15.6/1

+ sign -0.116 ± 0.003 χ^2/NDF : 836.6/18

All: -0.111 ± 0.002 χ^2/NDF : 3577.0/39

- sign -0.106 ± 0.003 χ^2/NDF : 2735.0/20

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775 ± 0.157 $\chi^2/\text{NDF}: 297.7/15$

Left Out: -15.895 ± 0.246 $\chi^2/\text{NDF}: 224.4/2$

Right Out: -0.803 ± 0.148 $\chi^2/\text{NDF}: 733.7/18$

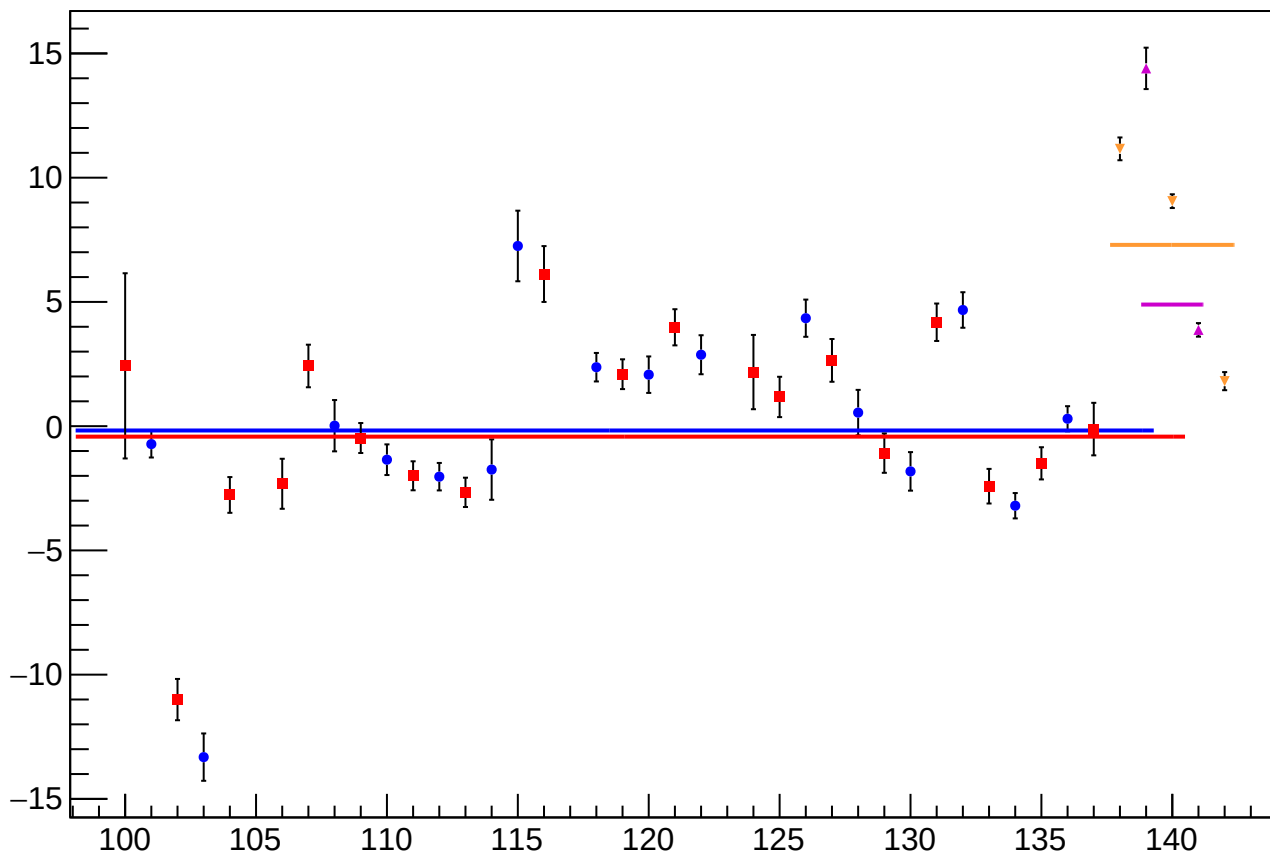
Left In: -7.763 ± 0.290 $\chi^2/\text{NDF}: 99.4/1$

+ sign -5.874 ± 0.132 $\chi^2/\text{NDF}: 2866.7/18$

All: -4.056 ± 0.093 $\chi^2/\text{NDF}: 4533.1/39$

- sign -2.247 ± 0.132 $\chi^2/\text{NDF}: 1290.0/20$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174 ± 0.173 χ^2/NDF : 403.1/15

Left Out: 7.295 ± 0.199 χ^2/NDF : 338.1/2

Right Out: -0.421 ± 0.177 χ^2/NDF : 366.3/18

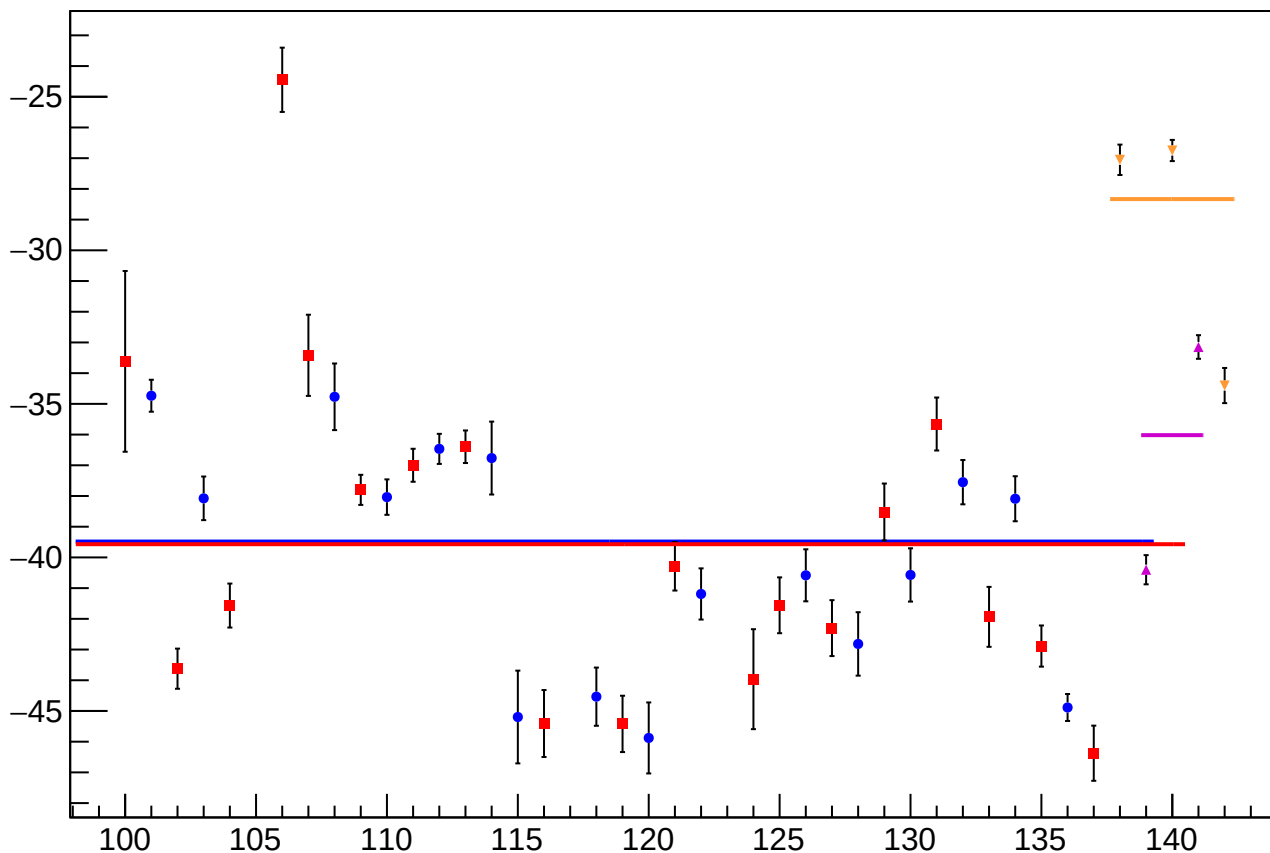
Left In: 4.894 ± 0.259 χ^2/NDF : 144.0/1

+ sign 3.048 ± 0.130 χ^2/NDF : 1545.3/18

All: 2.261 ± 0.097 χ^2/NDF : 2424.3/39

- sign 1.271 ± 0.146 χ^2/NDF : 796.8/20

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484 ± 0.180 χ^2/NDF : 409.3/15

Left Out: -28.332 ± 0.254 χ^2/NDF : 140.1/2

Right Out: -39.570 ± 0.181 χ^2/NDF : 553.5/18

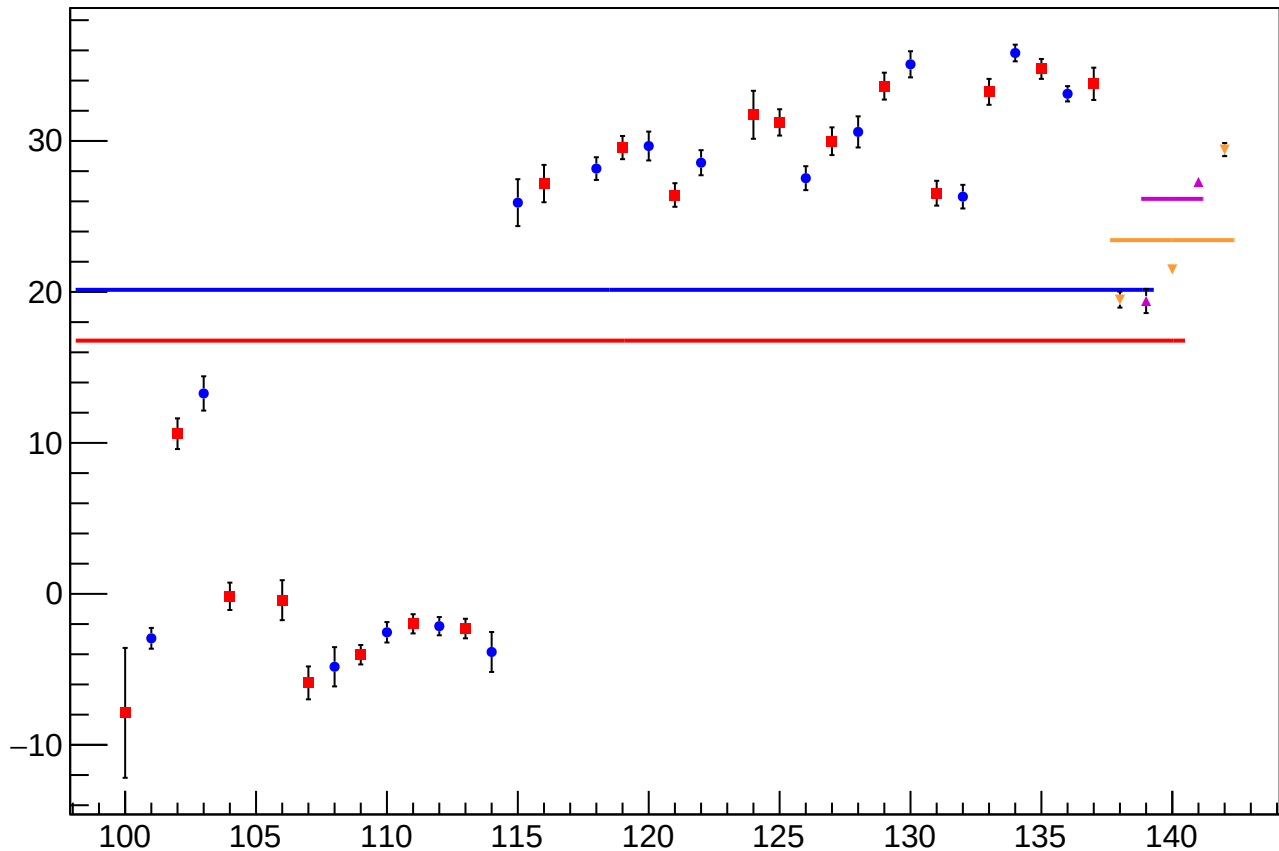
Left In: -36.019 ± 0.299 χ^2/NDF : 140.6/1

+ sign -35.744 ± 0.147 χ^2/NDF : 1833.5/18

All: -37.105 ± 0.107 χ^2/NDF : 2812.1/39

- sign -38.618 ± 0.155 χ^2/NDF : 797.4/20

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: 23.431 $\pm$ 0.237 χ^2 /NDF: 279.4/2

Right Out: 16.775 $\pm$ 0.200 χ^2 /NDF: 6739.1/18

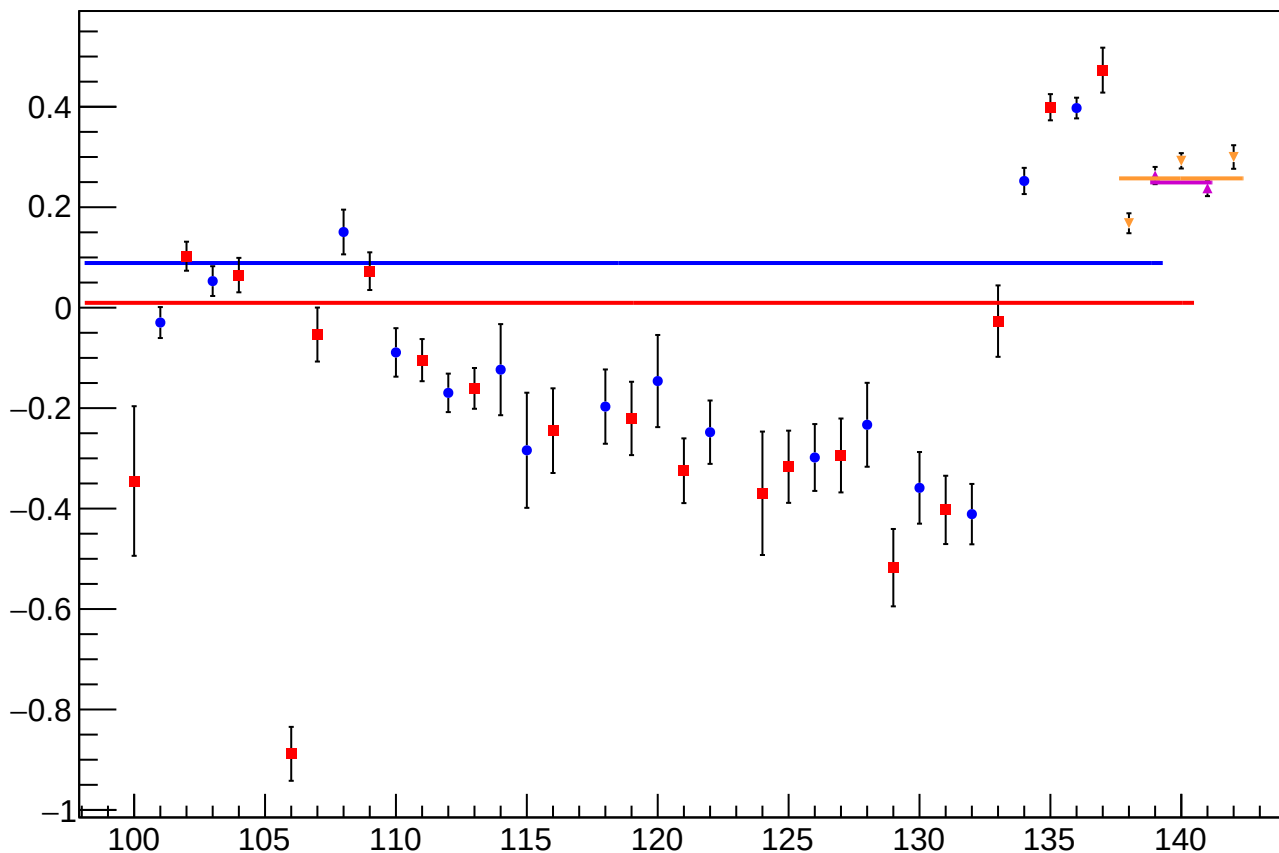
Left In: 26.166 $\pm$ 0.301 χ^2 /NDF: 83.3/1

+ sign 21.469 $\pm$ 0.150 χ^2 /NDF: 7079.4/18

All: 20.649 $\pm$ 0.112 χ^2 /NDF: 14643.5/39

- sign 19.643 $\pm$ 0.166 χ^2 /NDF: 7497.8/20

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089 ± 0.010 χ^2/NDF : 563.9/15

Left Out: 0.257 ± 0.011 χ^2/NDF : 28.7/2

Right Out: 0.010 ± 0.011 χ^2/NDF : 834.8/18

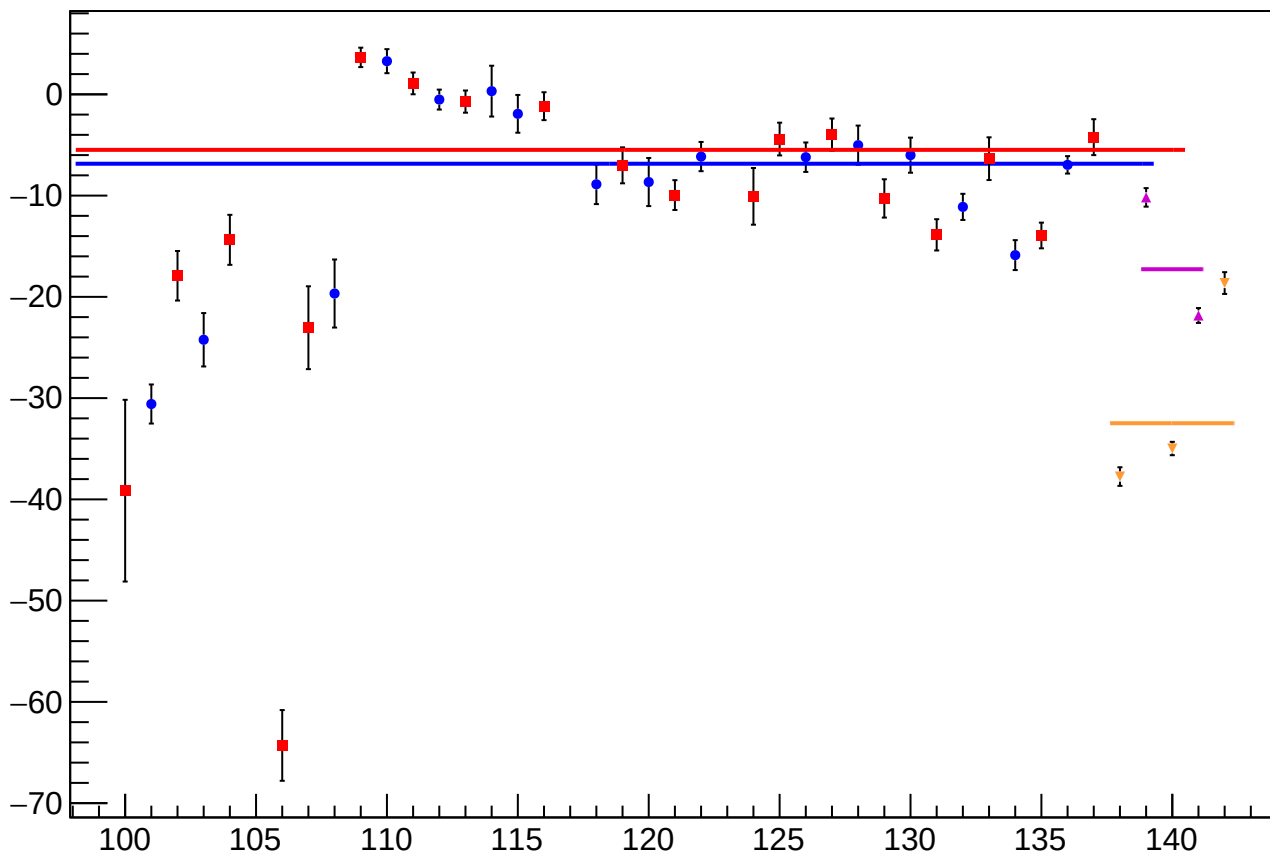
Left In: 0.249 ± 0.012 χ^2/NDF : 1.2/1

+ sign 0.170 ± 0.007 χ^2/NDF : 719.1/18

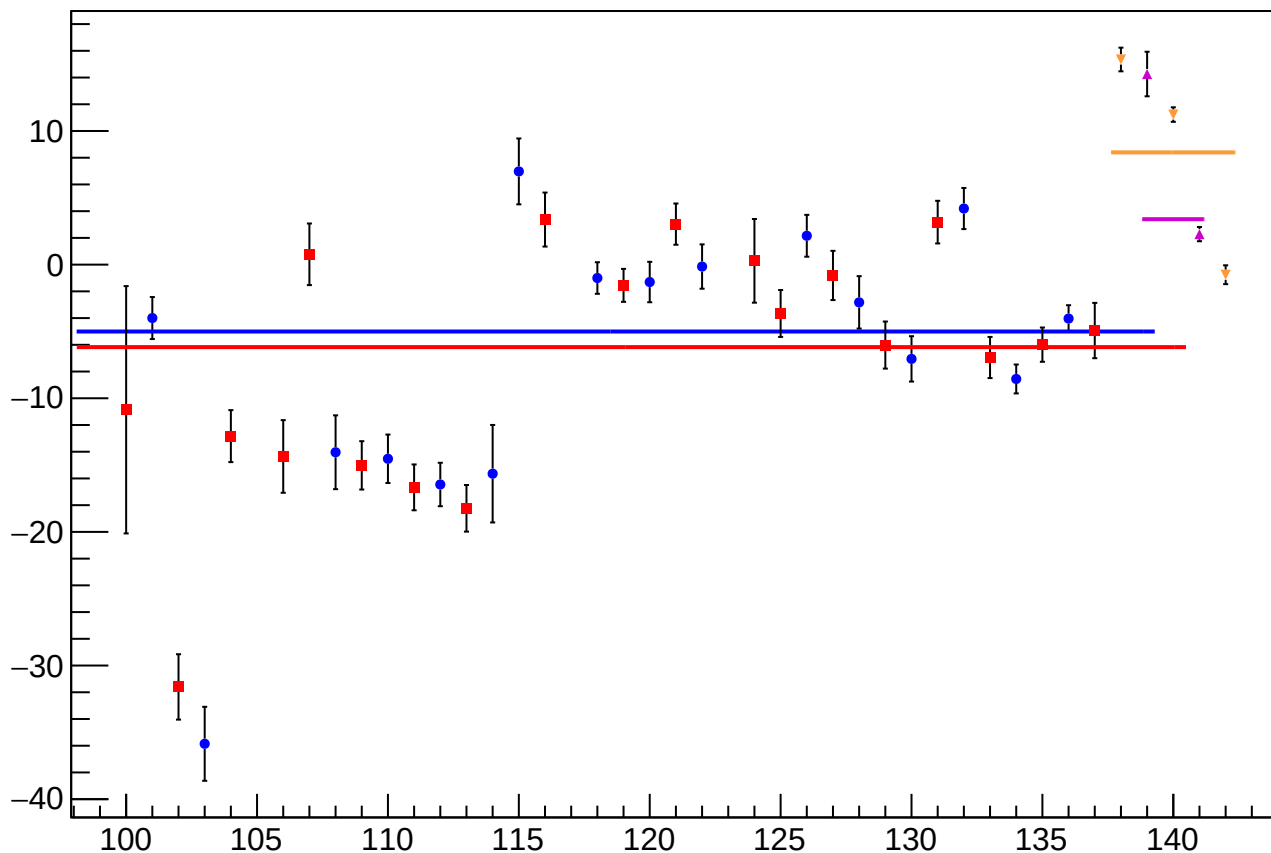
All: 0.148 ± 0.005 χ^2/NDF : 1798.2/39

- sign 0.123 ± 0.008 χ^2/NDF : 1060.8/20

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005 ± 0.395 χ^2/NDF : 341.7/15

Left Out: 8.400 ± 0.387 χ^2/NDF : 257.4/2

Right Out: -6.173 ± 0.417 χ^2/NDF : 369.1/18

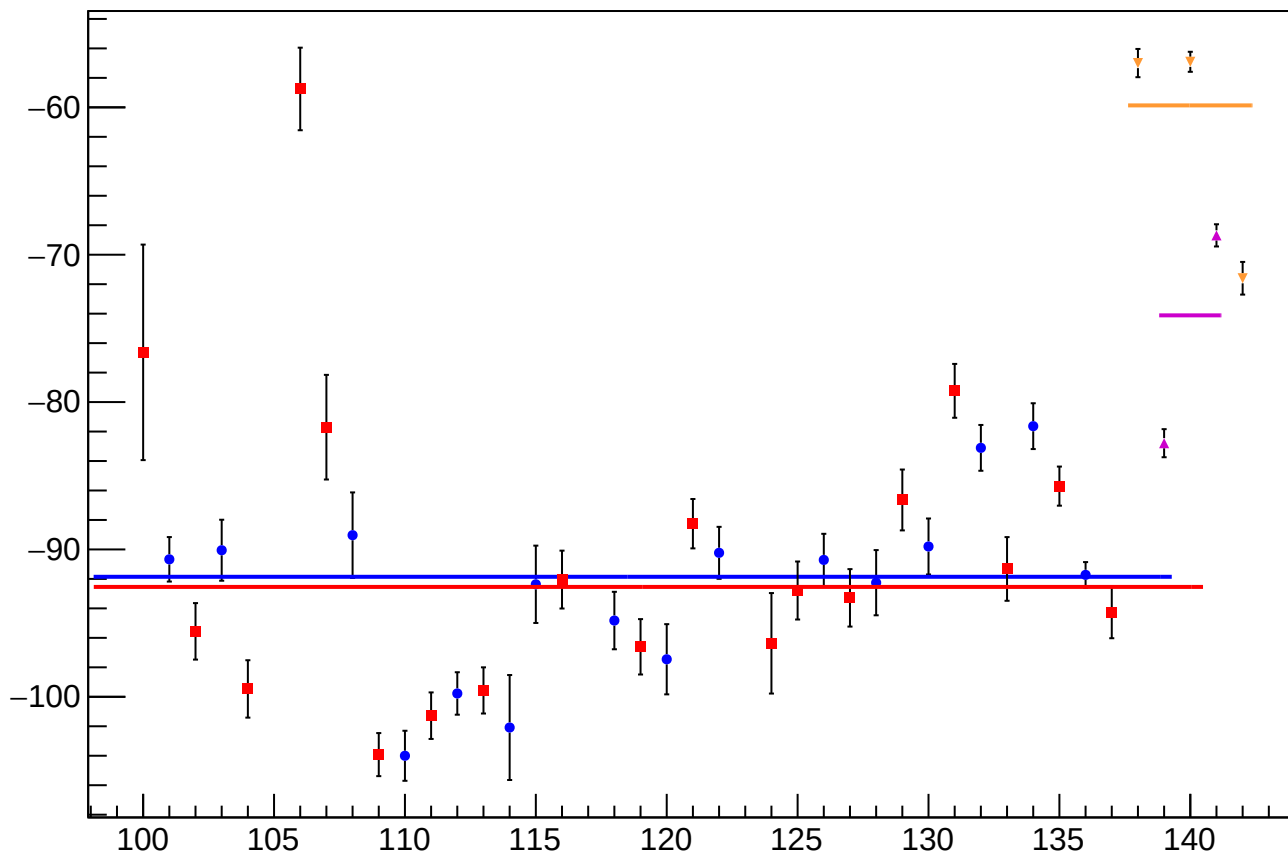
Left In: 3.399 ± 0.509 χ^2/NDF : 46.9/1

+ sign 1.834 ± 0.277 χ^2/NDF : 1185.8/18

All: 0.067 ± 0.210 χ^2/NDF : 1909.9/39

- sign -2.330 ± 0.322 χ^2/NDF : 628.0/20

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF : 177.3/15

Left Out: -59.867+/-0.496 χ^2/NDF :139.8/2

Right Out: -92.544+/-0.439 χ^2/NDF : 387.8/18

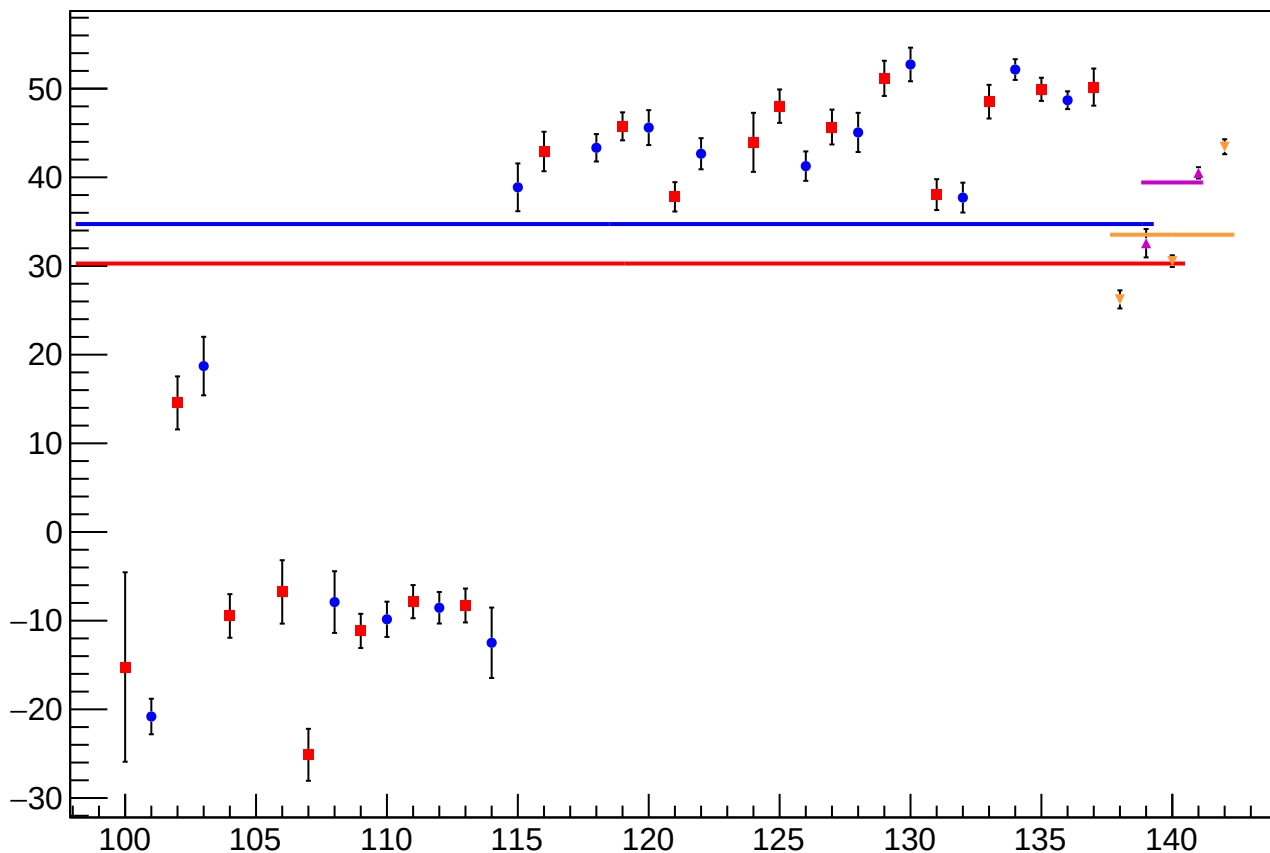
Left In: -74.115+/-0.591 χ^2/NDF :134.7/1

+ sign -78.342+/-0.322 χ^2/NDF : 2721.2/18

All: -81.823+/-0.238 χ^2/NDF : 4126.0/39

- sign -85.990+/-0.353 χ^2/NDF : 1148.4/20

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: 33.527 $\pm$ 0.461 χ^2 /NDF:210.3/2

Right Out: 30.279 $\pm$ 0.467 χ^2 /NDF: 2911.2/18

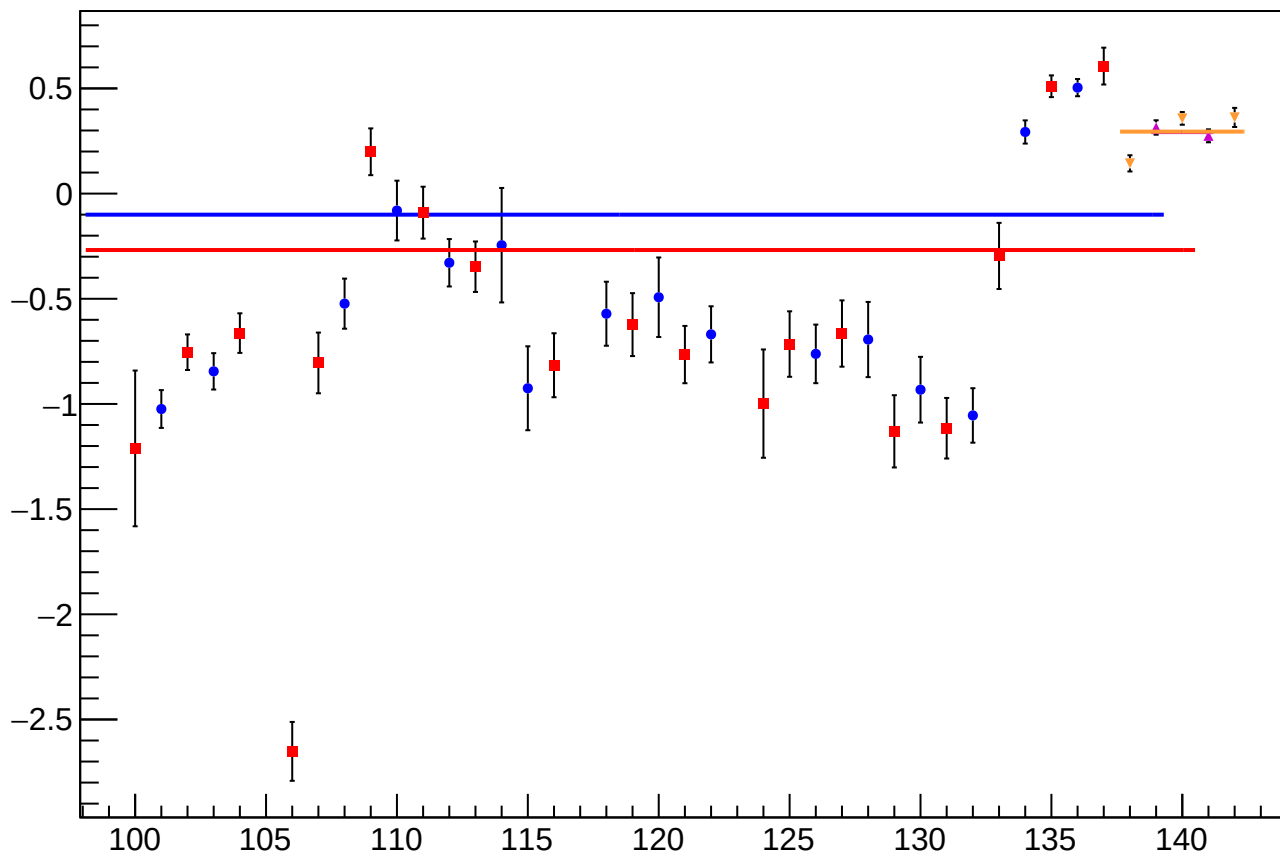
Left In: 39.419 $\pm$ 0.592 χ^2 /NDF:21.3/1

+ sign 34.154 $\pm$ 0.319 χ^2 /NDF: 3023.0/18

All: 33.997 $\pm$ 0.241 χ^2 /NDF: 6103.0/39

- sign 33.789 $\pm$ 0.367 χ^2 /NDF: 3079.5/20

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100 ± 0.024 χ^2/NDF : 631.4/15

Left Out: 0.295 ± 0.021 χ^2/NDF : 21.8/2

Right Out: -0.268 ± 0.026 χ^2/NDF : 822.4/18

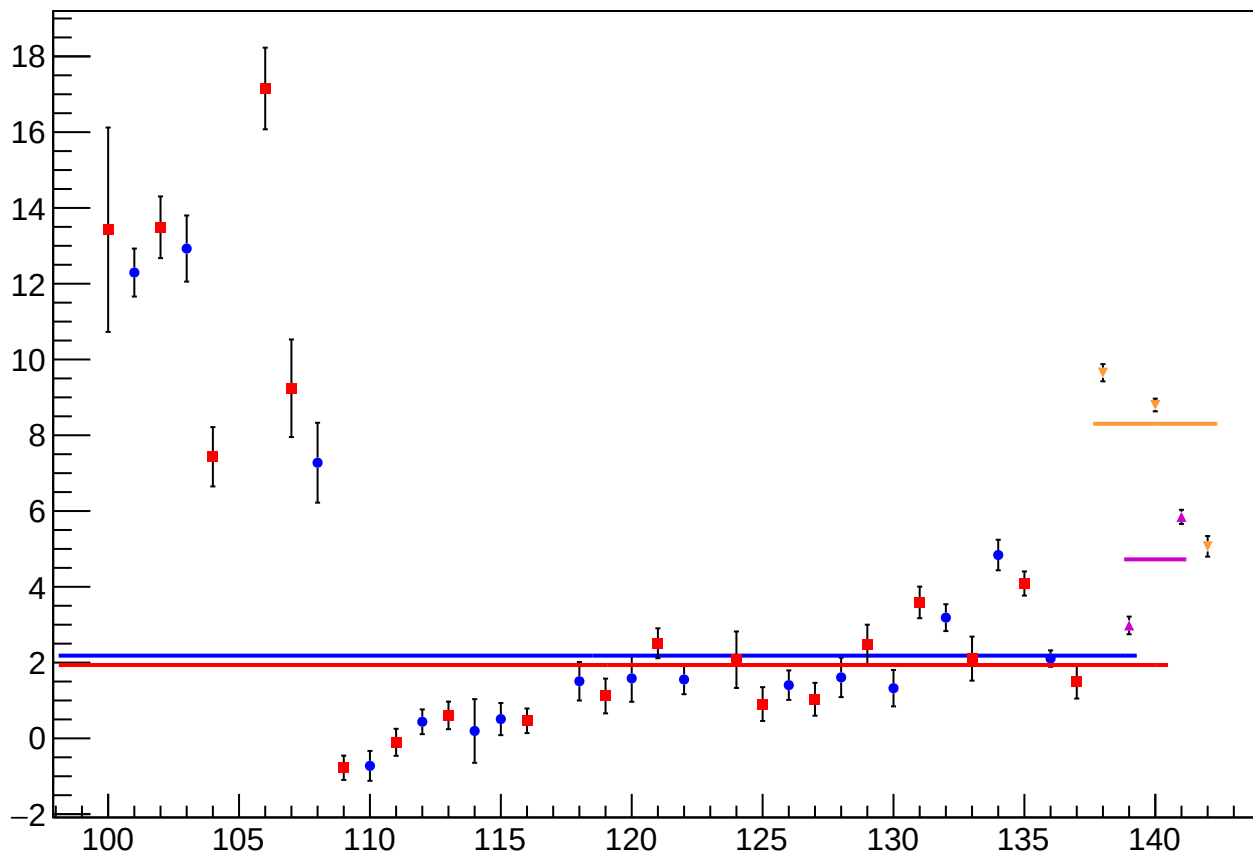
Left In: 0.292 ± 0.023 χ^2/NDF : 0.7/1

+ sign 0.123 ± 0.016 χ^2/NDF : 805.9/18

All: 0.090 ± 0.012 χ^2/NDF : 1896.3/39

- sign 0.051 ± 0.017 χ^2/NDF : 1080.9/20

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184 ± 0.105 χ^2/NDF : 599.3/15

Left Out: 8.303 ± 0.121 χ^2/NDF : 184.9/2

Right Out: 1.936 ± 0.105 χ^2/NDF : 717.1/18

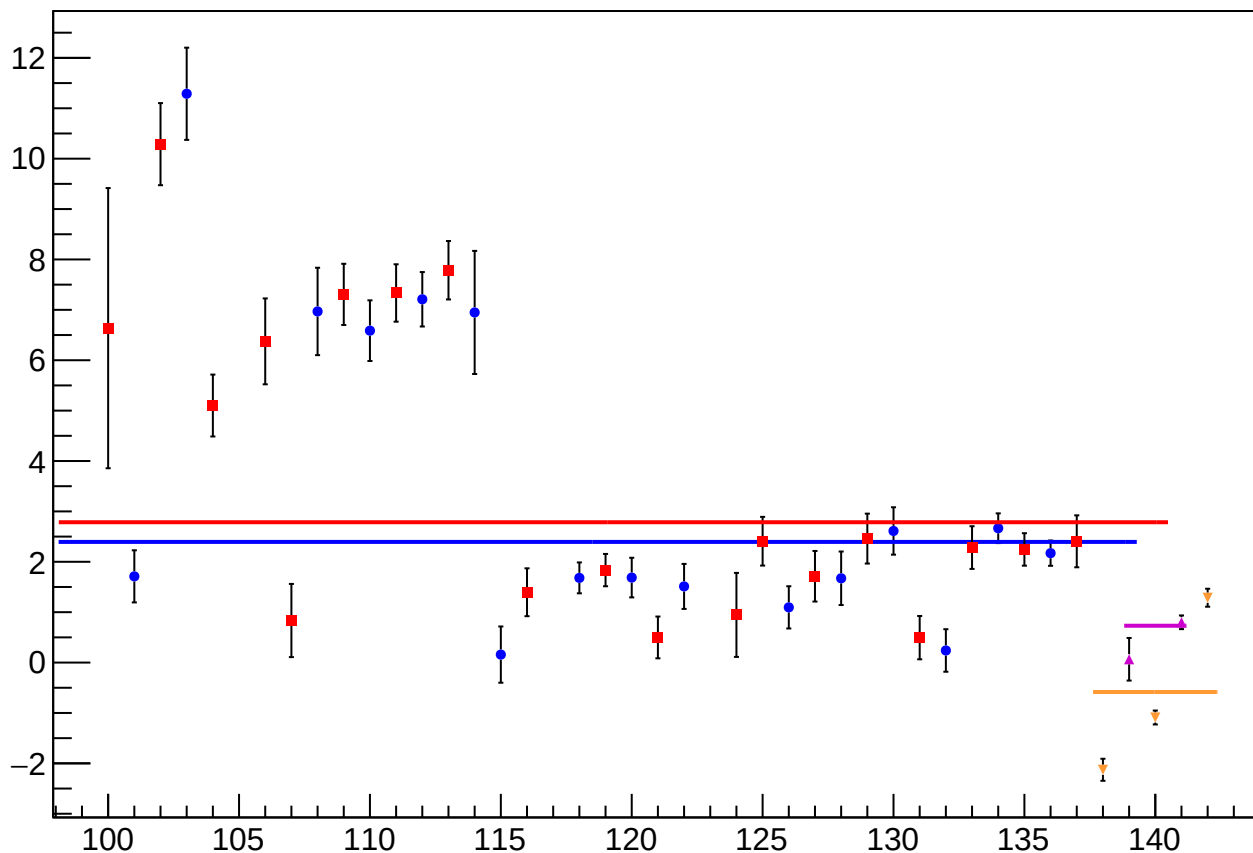
Left In: 4.725 ± 0.146 χ^2/NDF : 92.2/1

+ sign 4.813 ± 0.079 χ^2/NDF : 2244.0/18

All: 3.926 ± 0.058 χ^2/NDF : 3564.2/39

- sign 2.896 ± 0.085 χ^2/NDF : 1049.7/20

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: -0.584 ± 0.098 χ^2/NDF : 173.2/2

Right Out: 2.785 ± 0.116 χ^2/NDF : 410.9/18

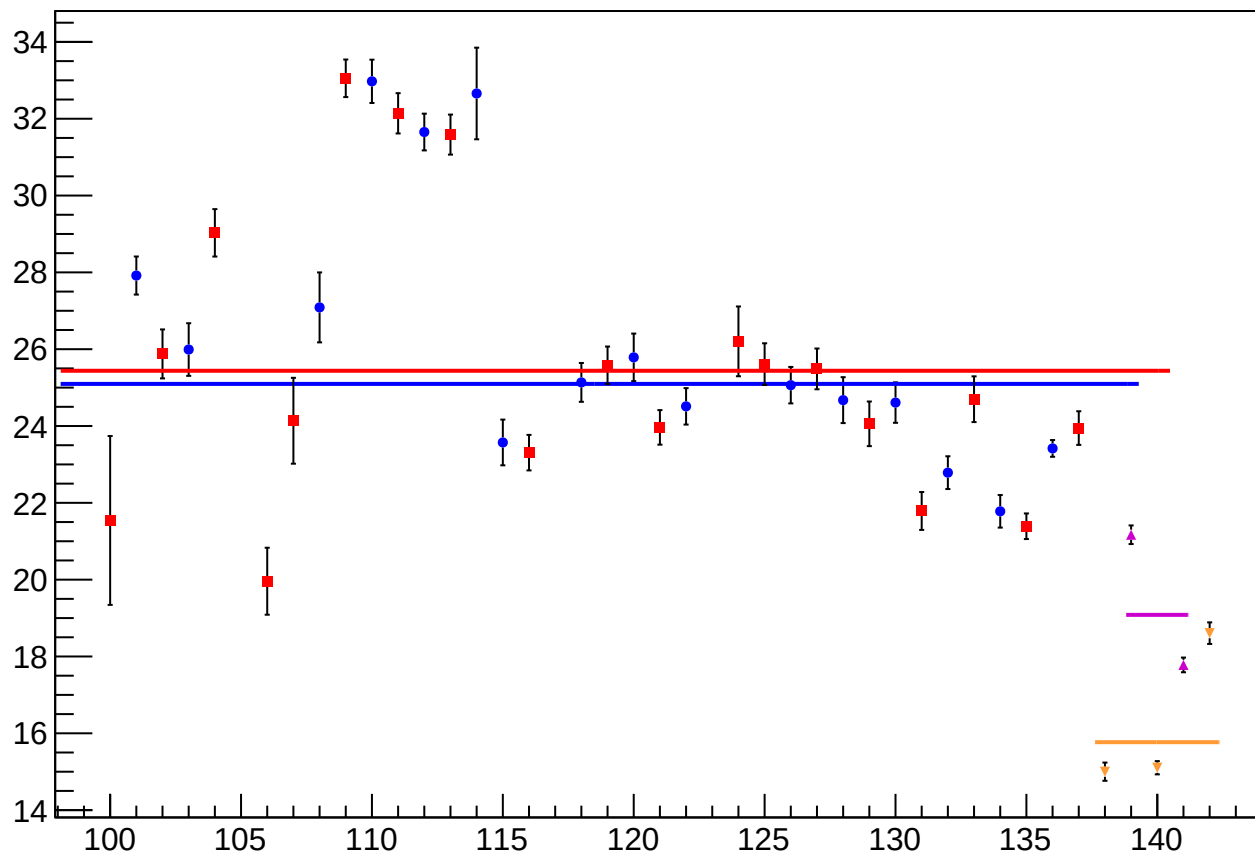
Left In: 0.731 ± 0.129 χ^2/NDF : 2.7/1

+ sign 0.752 ± 0.073 χ^2/NDF : 923.8/18

All: 1.215 ± 0.056 χ^2/NDF : 1575.6/39

- sign 1.869 ± 0.086 χ^2/NDF : 553.7/20

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096 ± 0.118 χ^2/NDF : 622.9/15

Left Out: 15.769 ± 0.125 χ^2/NDF : 127.6/2

Right Out: 25.438 ± 0.124 χ^2/NDF : 877.6/18

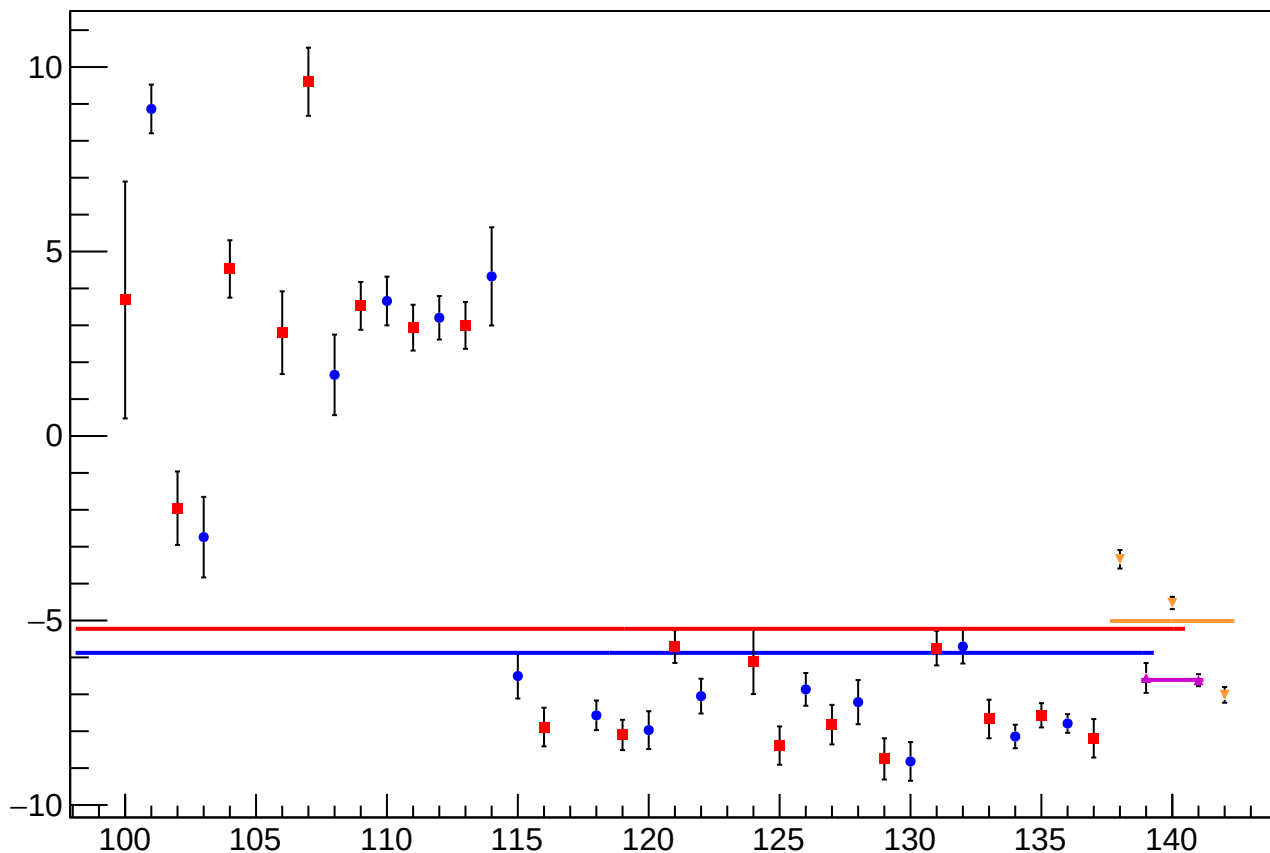
Left In: 19.083 ± 0.150 χ^2/NDF : 120.4/1

+ sign 20.717 ± 0.086 χ^2/NDF : 3707.0/18

All: 21.672 ± 0.064 χ^2/NDF : 6048.2/39

- sign 22.864 ± 0.096 χ^2/NDF : 2061.7/20

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: -5.013 ± 0.116 χ^2/NDF : 140.7/2

Right Out: -5.225 ± 0.129 χ^2/NDF : 1292.0/18

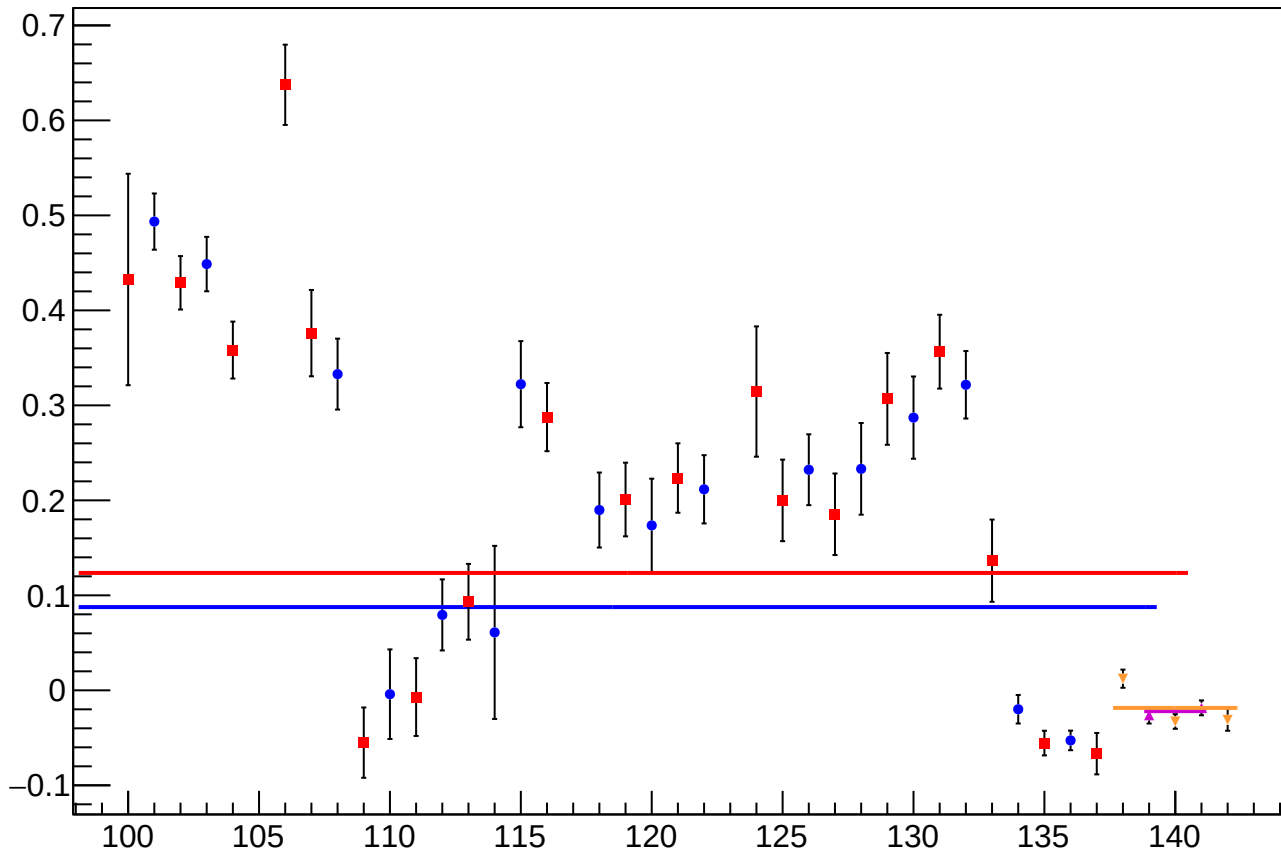
Left In: -6.609 ± 0.150 χ^2/NDF : 0.0/1

+ sign -5.429 ± 0.084 χ^2/NDF : 1418.6/18

All: -5.592 ± 0.064 χ^2/NDF : 2768.2/39

- sign -5.814 ± 0.098 χ^2/NDF : 1340.7/20

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: -0.019 ± 0.005 χ^2/NDF : 15.0/2

Right Out: 0.124 ± 0.007 χ^2/NDF : 762.3/18

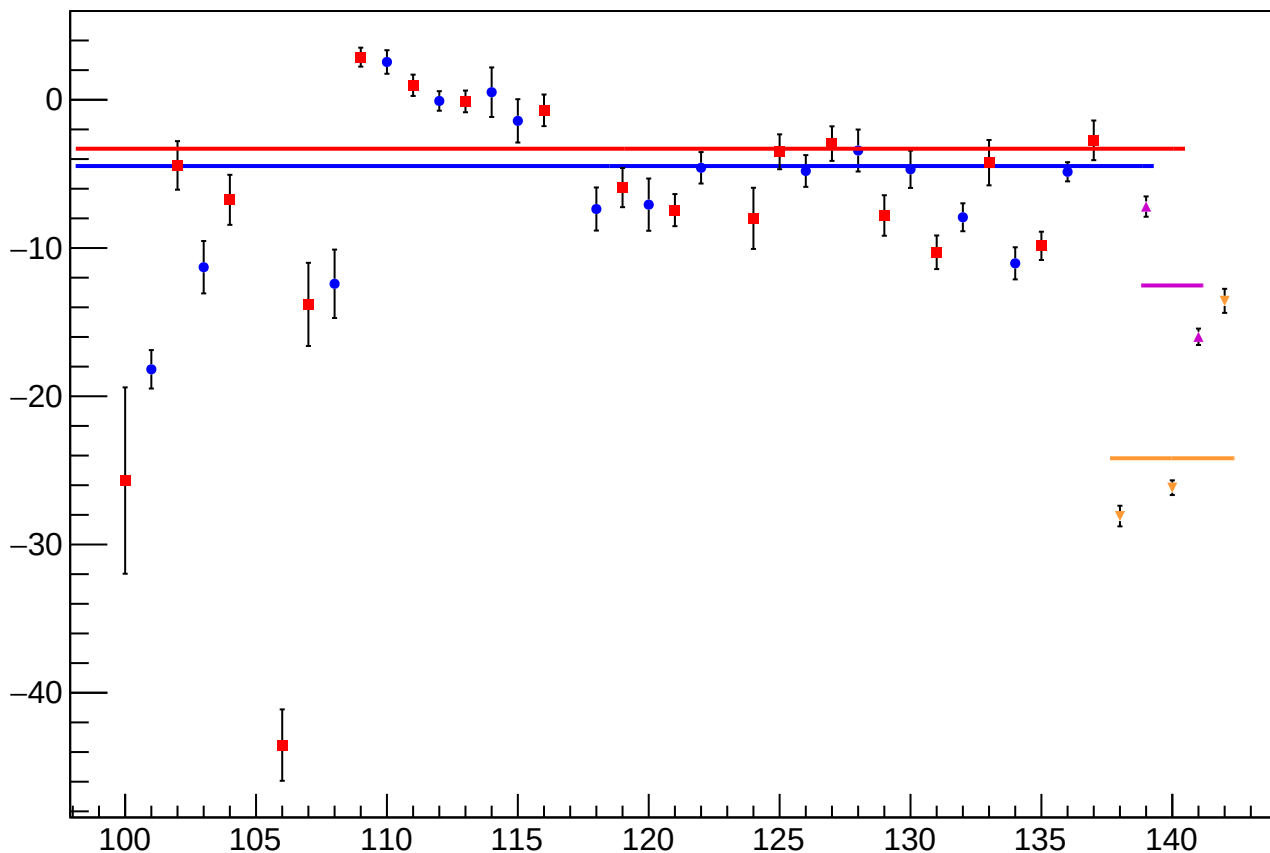
Left In: -0.022 ± 0.006 χ^2/NDF : 0.4/1

+ sign 0.023 ± 0.004 χ^2/NDF : 940.2/18

All: 0.028 ± 0.003 χ^2/NDF : 1947.8/39

- sign 0.034 ± 0.005 χ^2/NDF : 1004.4/20

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471 ± 0.268 χ^2/NDF : 331.8/15

Left Out: -24.182 ± 0.362 χ^2/NDF : 218.6/2

Right Out: -3.302 ± 0.261 χ^2/NDF : 584.6/18

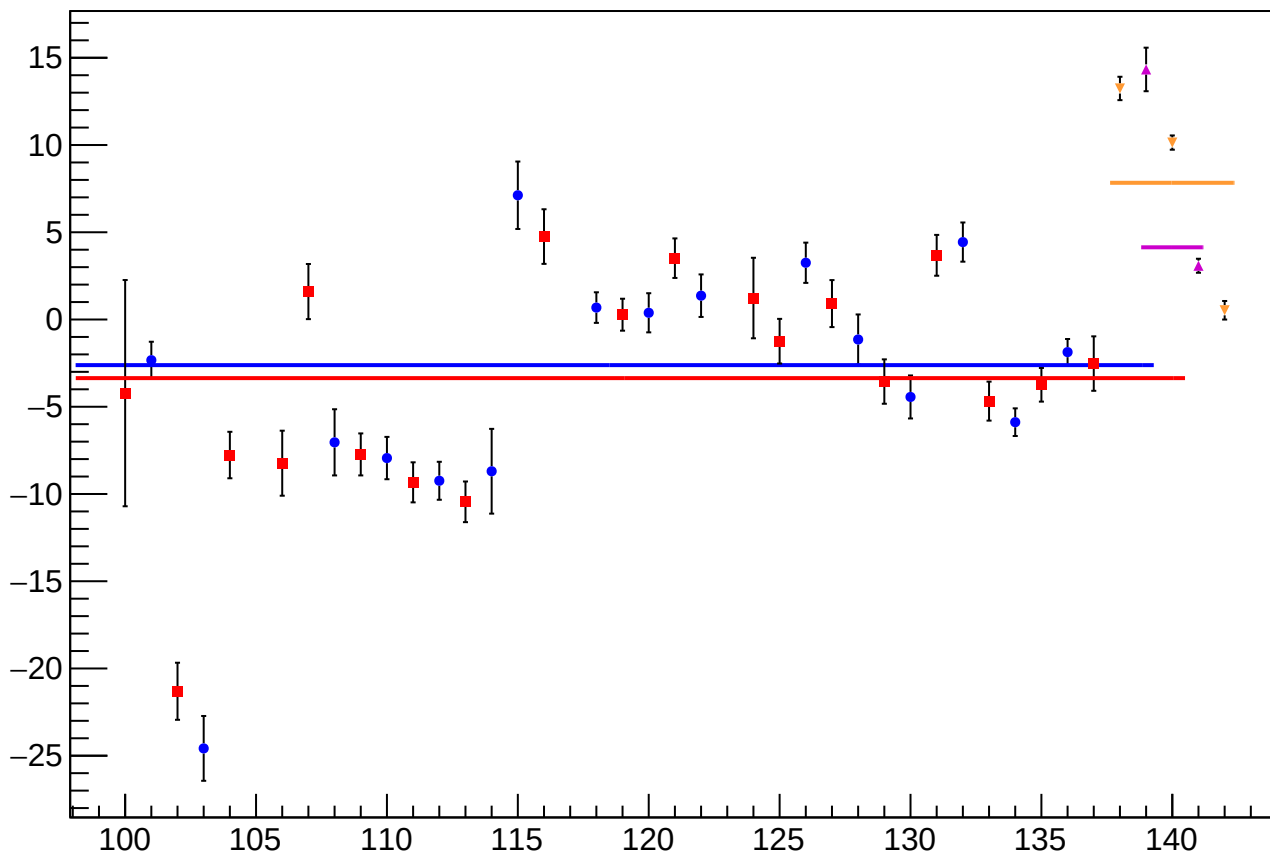
Left In: -12.526 ± 0.430 χ^2/NDF : 99.6/1

+ sign -11.473 ± 0.216 χ^2/NDF : 2466.0/18

All: -8.725 ± 0.155 χ^2/NDF : 3823.2/39

- sign -5.782 ± 0.223 χ^2/NDF : 1020.4/20

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.615 ± 0.286 χ^2/NDF : 351.9/15

Left Out: 7.835 ± 0.292 χ^2/NDF : 285.5/2

Right Out: -3.359 ± 0.299 χ^2/NDF : 359.6/18

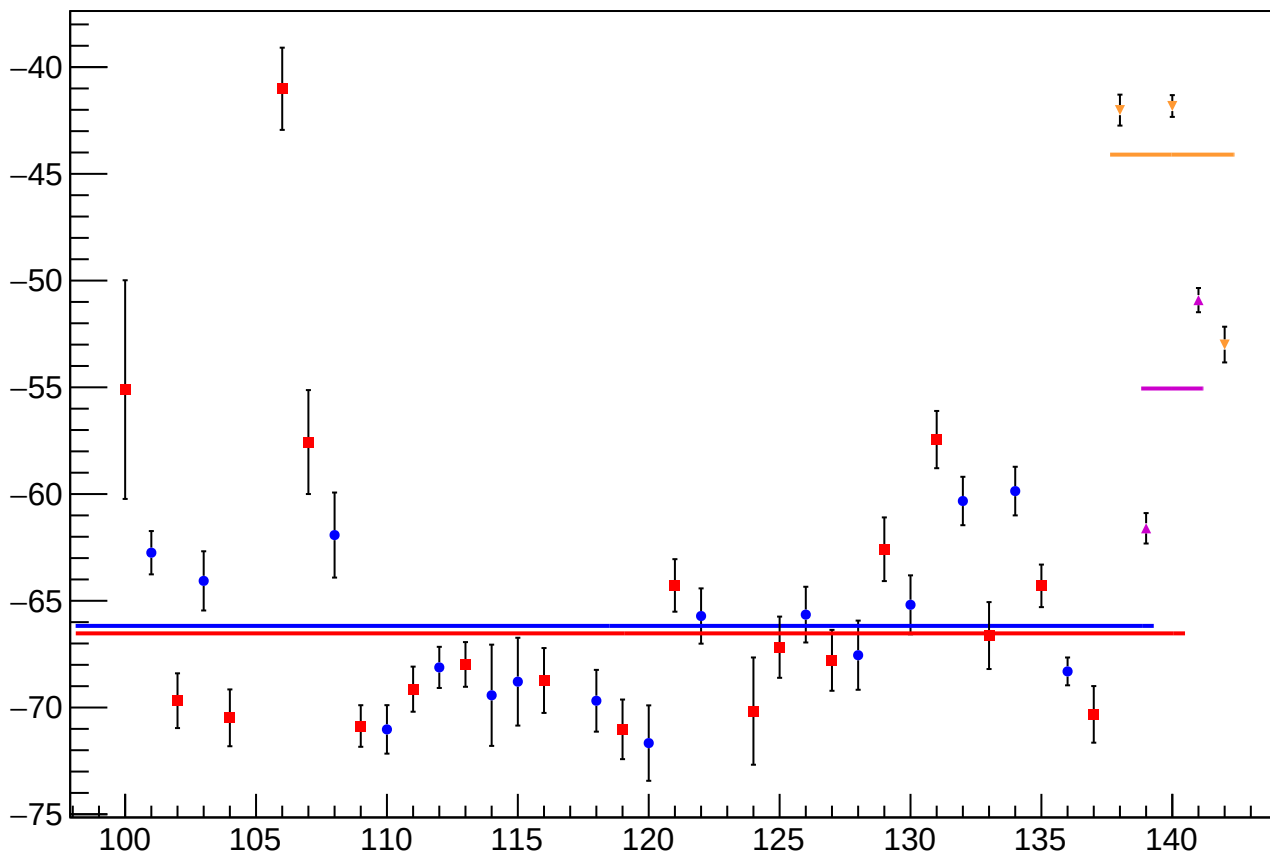
Left In: 4.137 ± 0.382 χ^2/NDF : 73.7/1

+ sign 2.498 ± 0.204 χ^2/NDF : 1292.0/18

All: 1.203 ± 0.154 χ^2/NDF : 2057.6/39

- sign -0.518 ± 0.235 χ^2/NDF : 671.9/20

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176 ± 0.304 χ^2/NDF : 129.2/15

Left Out: -44.099 ± 0.373 χ^2/NDF : 141.2/2

Right Out: -66.526 ± 0.312 χ^2/NDF : 321.7/18

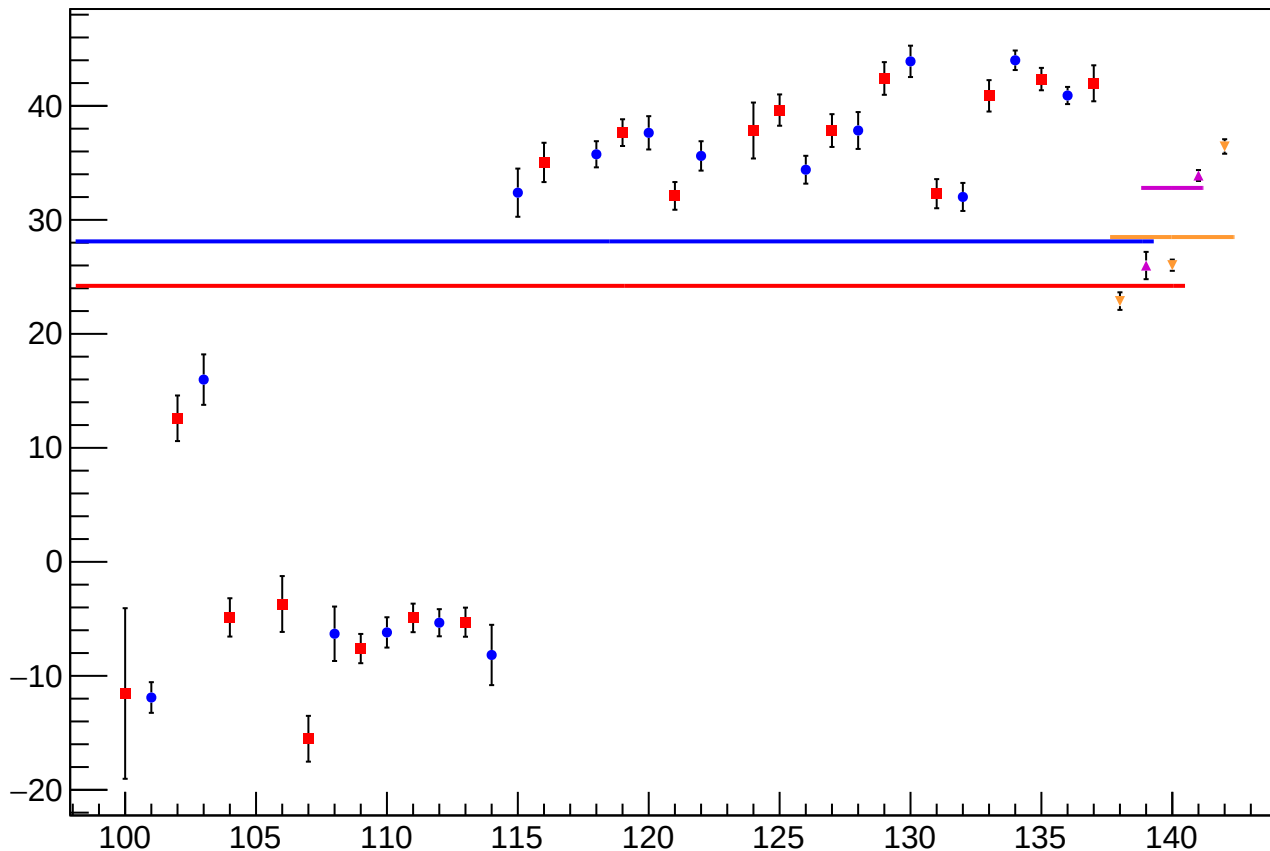
Left In: -55.055 ± 0.444 χ^2/NDF : 137.7/1

+ sign -57.367 ± 0.236 χ^2/NDF : 2370.2/18

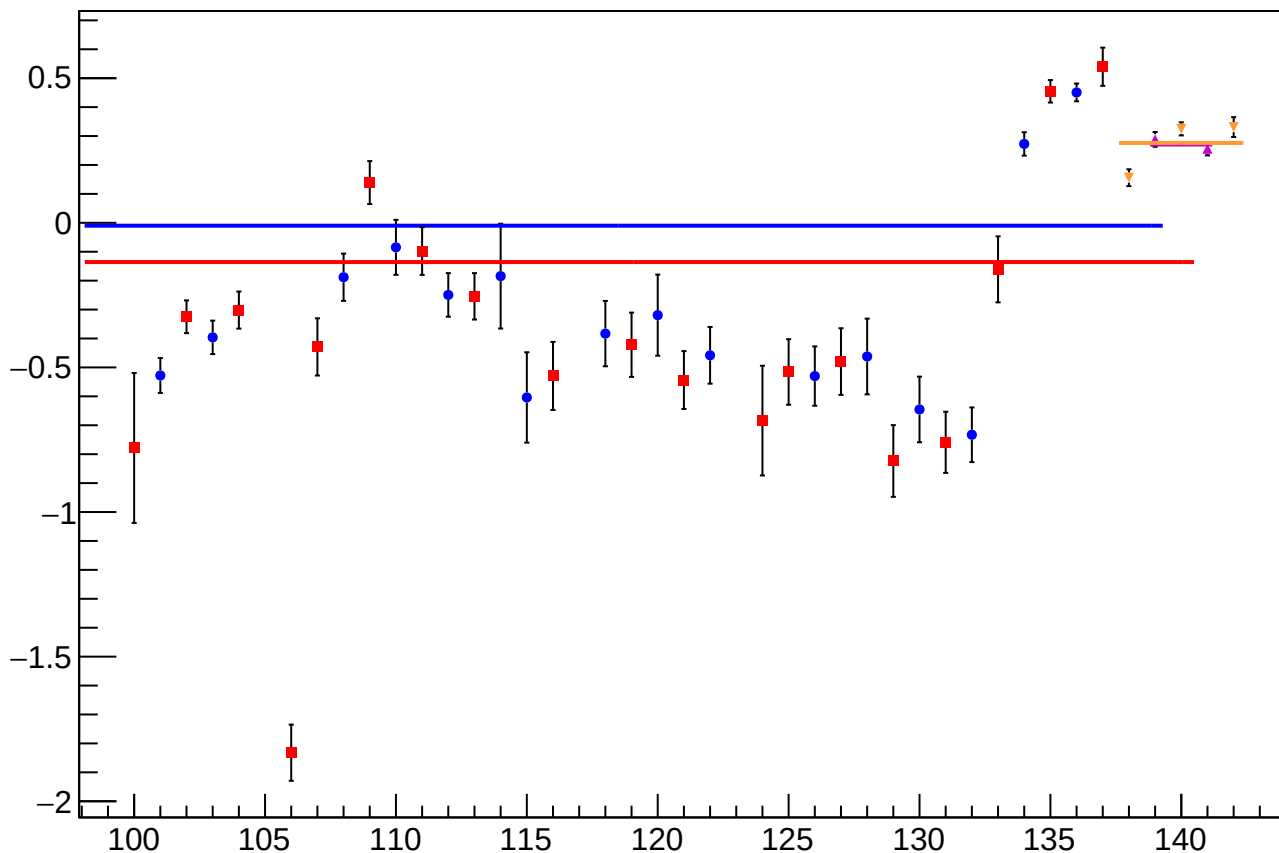
All: -59.833 ± 0.173 χ^2/NDF : 3513.6/39

- sign -62.724 ± 0.255 χ^2/NDF : 906.0/20

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.010 ± 0.017 χ^2/NDF : 587.4/15

Left Out: 0.276 ± 0.016 χ^2/NDF : 24.2/2

Right Out: -0.136 ± 0.019 χ^2/NDF : 818.5/18

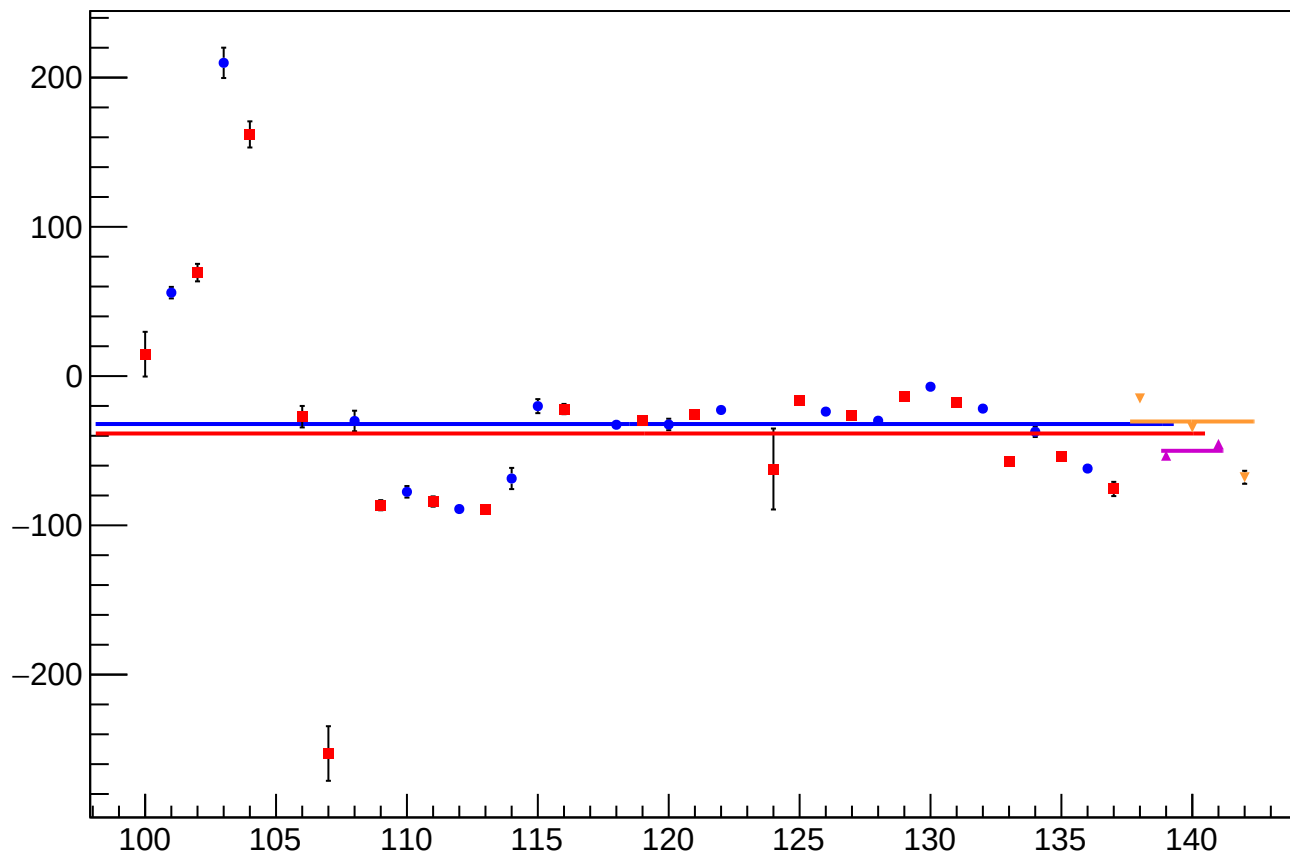
Left In: 0.271 ± 0.017 χ^2/NDF : 0.9/1

+ sign 0.146 ± 0.012 χ^2/NDF : 759.7/18

All: 0.118 ± 0.009 χ^2/NDF : 1845.0/39

- sign 0.086 ± 0.013 χ^2/NDF : 1073.3/20

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117 ± 0.843 $\chi^2/\text{NDF}: 1877.5/15$

Left Out: -30.421 ± 1.630 $\chi^2/\text{NDF}: 116.2/2$

Right Out: -38.462 ± 0.864 $\chi^2/\text{NDF}: 1972.5/18$

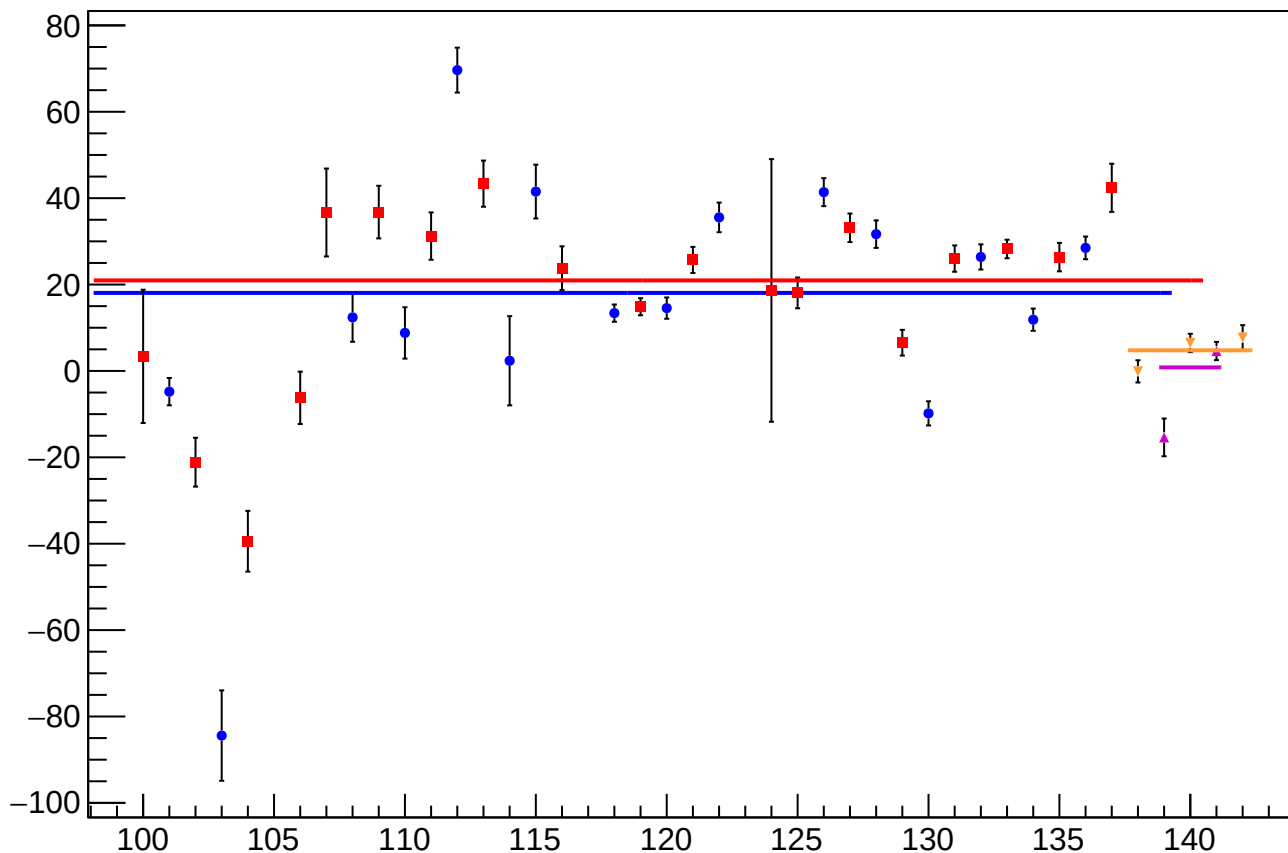
Left In: -50.059 ± 1.856 $\chi^2/\text{NDF}: 4.3/1$

+ sign -31.759 ± 0.749 $\chi^2/\text{NDF}: 1994.6/18$

All: -35.944 ± 0.541 $\chi^2/\text{NDF}: 4069.0/39$

- sign -40.530 ± 0.784 $\chi^2/\text{NDF}: 2009.0/20$

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068 $\pm$ 0.823 χ^2 /NDF: 499.6/15

Left Out: 4.776 $\pm$ 1.421 χ^2 /NDF: 5.3/2

Right Out: 20.959 $\pm$ 0.868 χ^2 /NDF: 262.6/18

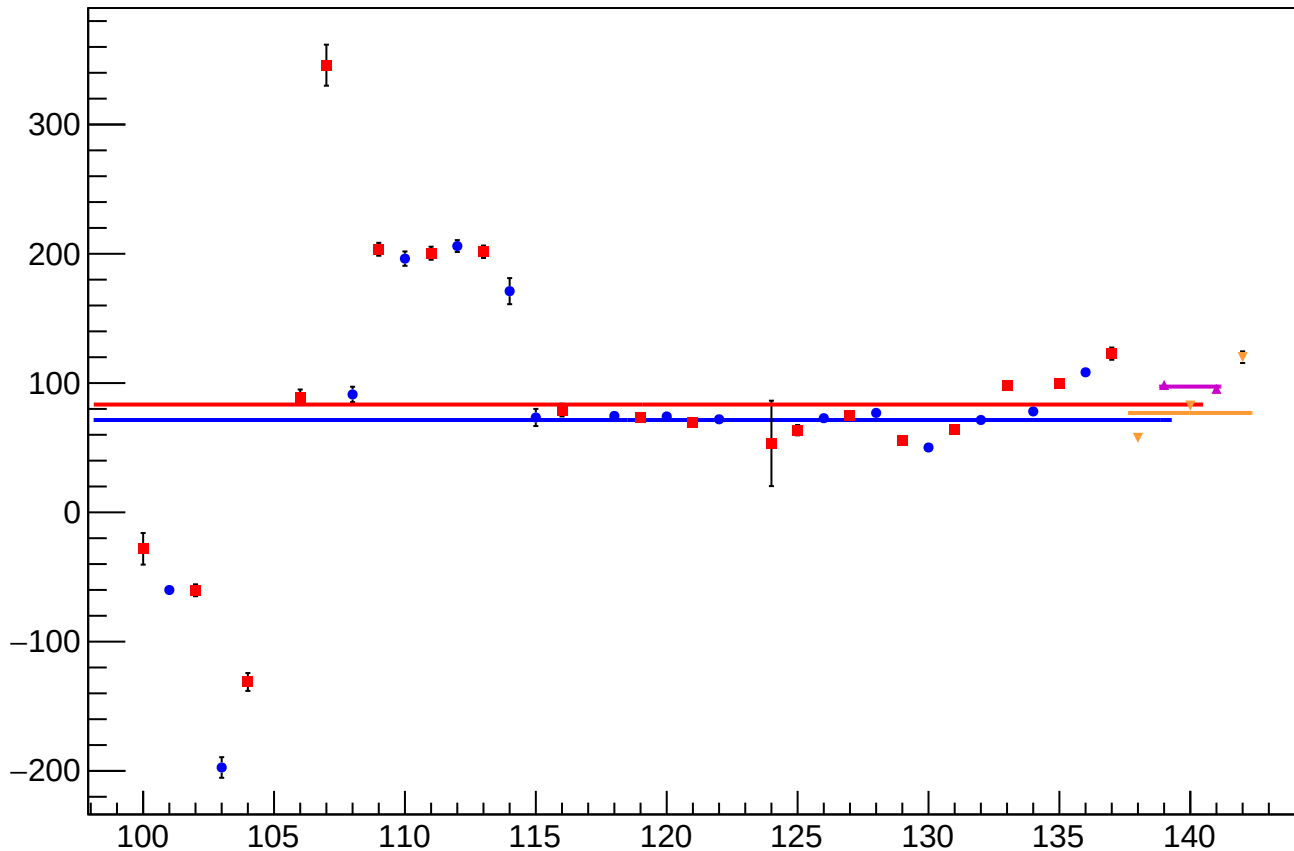
Left In: 0.816 $\pm$ 1.903 χ^2 /NDF: 17.0/1

+ sign 14.733 $\pm$ 0.712 χ^2 /NDF: 570.4/18

All: 15.967 $\pm$ 0.529 χ^2 /NDF: 949.4/39

- sign 17.487 $\pm$ 0.790 χ^2 /NDF: 372.3/20

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421 ± 0.931 $\chi^2/\text{NDF}: 4819.6/15$

Left Out: 76.885 ± 1.688 $\chi^2/\text{NDF}: 154.1/2$

Right Out: 83.385 ± 0.985 $\chi^2/\text{NDF}: 4297.3/18$

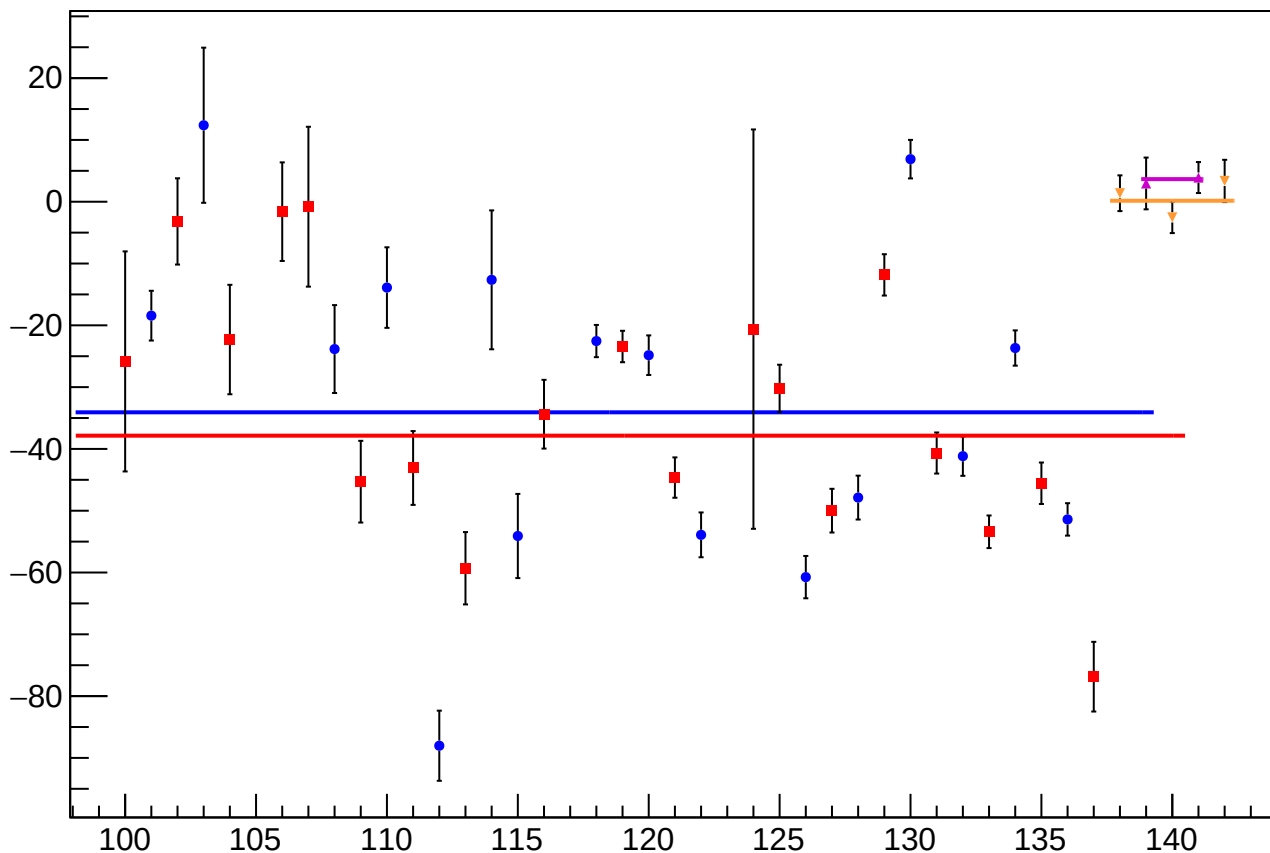
Left In: 97.281 ± 1.922 $\chi^2/\text{NDF}: 0.6/1$

+ sign 72.696 ± 0.815 $\chi^2/\text{NDF}: 4981.7/18$

All: 78.995 ± 0.597 $\chi^2/\text{NDF}: 9449.7/39$

- sign 86.277 ± 0.877 $\chi^2/\text{NDF}: 4339.3/20$

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077 ± 0.942 χ^2/NDF : 511.2/15

Left Out: 0.161 ± 1.666 χ^2/NDF : 2.2/2

Right Out: -37.855 ± 0.994 χ^2/NDF : 274.6/18

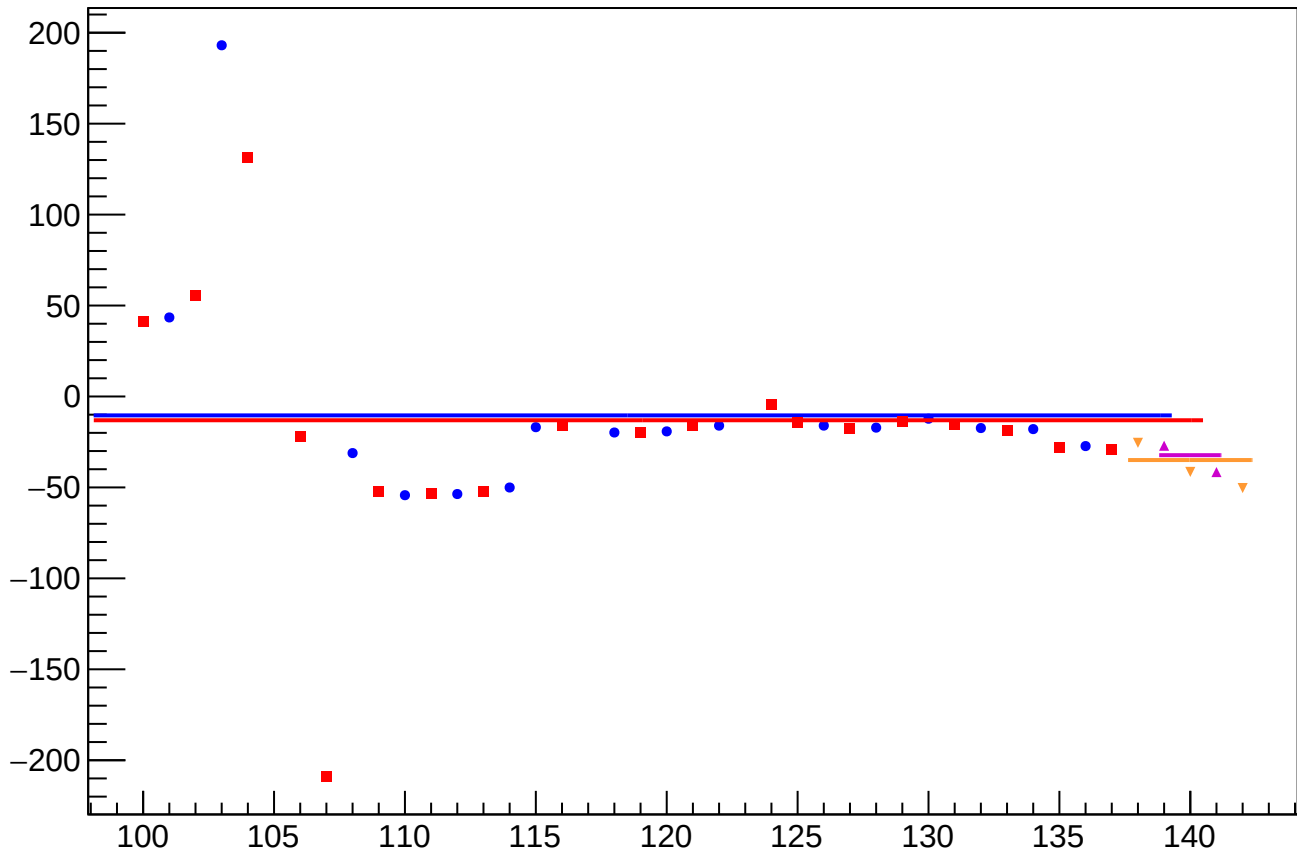
Left In: 3.661 ± 2.152 χ^2/NDF : 0.0/1

+ sign -25.783 ± 0.820 χ^2/NDF : 833.2/18

All: -27.943 ± 0.607 χ^2/NDF : 1430.0/39

- sign -30.556 ± 0.902 χ^2/NDF : 581.5/20

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400 ± 0.057 $\chi^2/\text{NDF}: 522334.6/15$

Left Out: -34.949 ± 0.070 $\chi^2/\text{NDF}: 19137.5/2$

Right Out: -13.074 ± 0.063 $\chi^2/\text{NDF}: 449609.3/18$

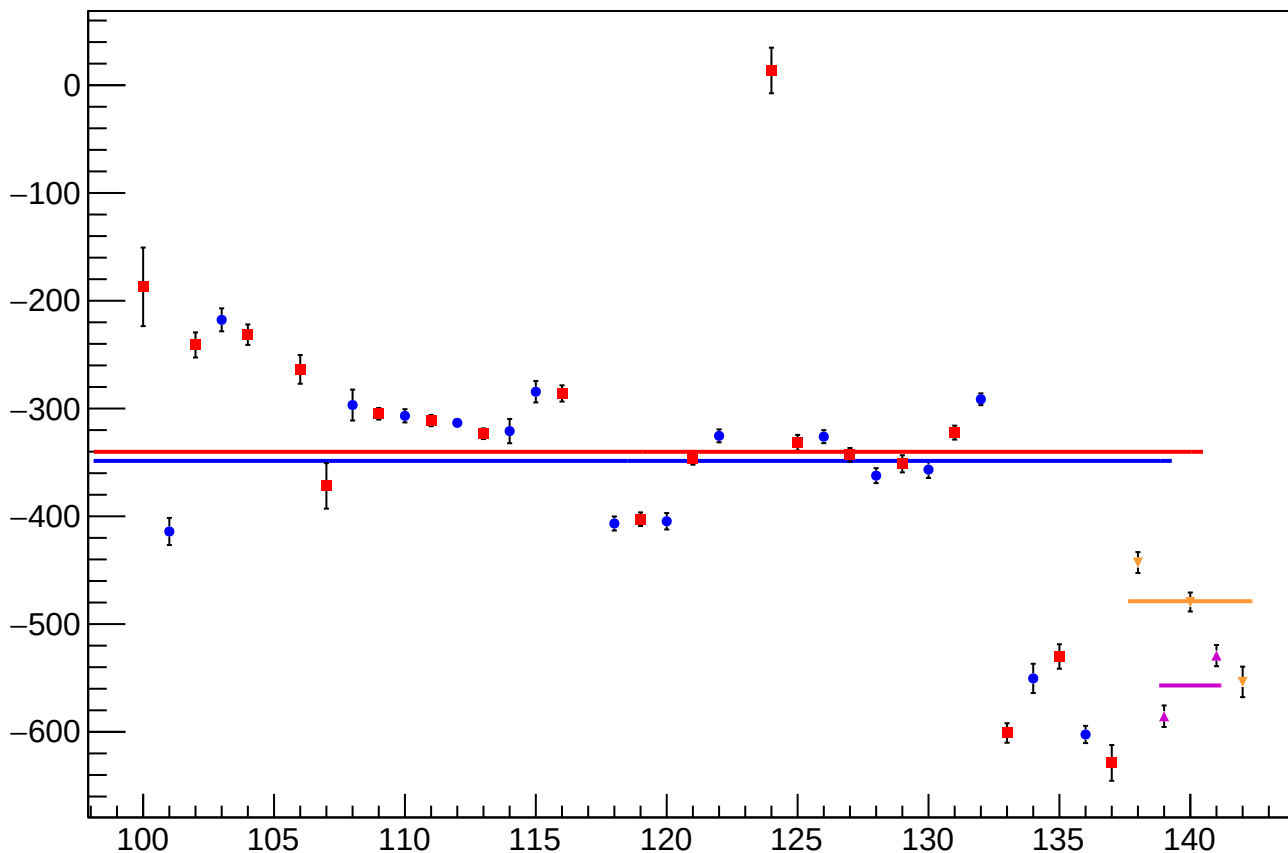
Left In: -32.272 ± 0.072 $\chi^2/\text{NDF}: 9270.4/1$

+ sign -20.144 ± 0.044 $\chi^2/\text{NDF}: 615568.4/18$

All: -20.692 ± 0.032 $\chi^2/\text{NDF}: 1115161.8/39$

- sign -21.322 ± 0.047 $\chi^2/\text{NDF}: 499262.3/20$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586 ± 1.825 χ^2/NDF : 1858.3/15

Left Out: -478.765 ± 5.912 χ^2/NDF : 41.7/2

Right Out: -340.144 ± 1.759 χ^2/NDF : 2197.1/18

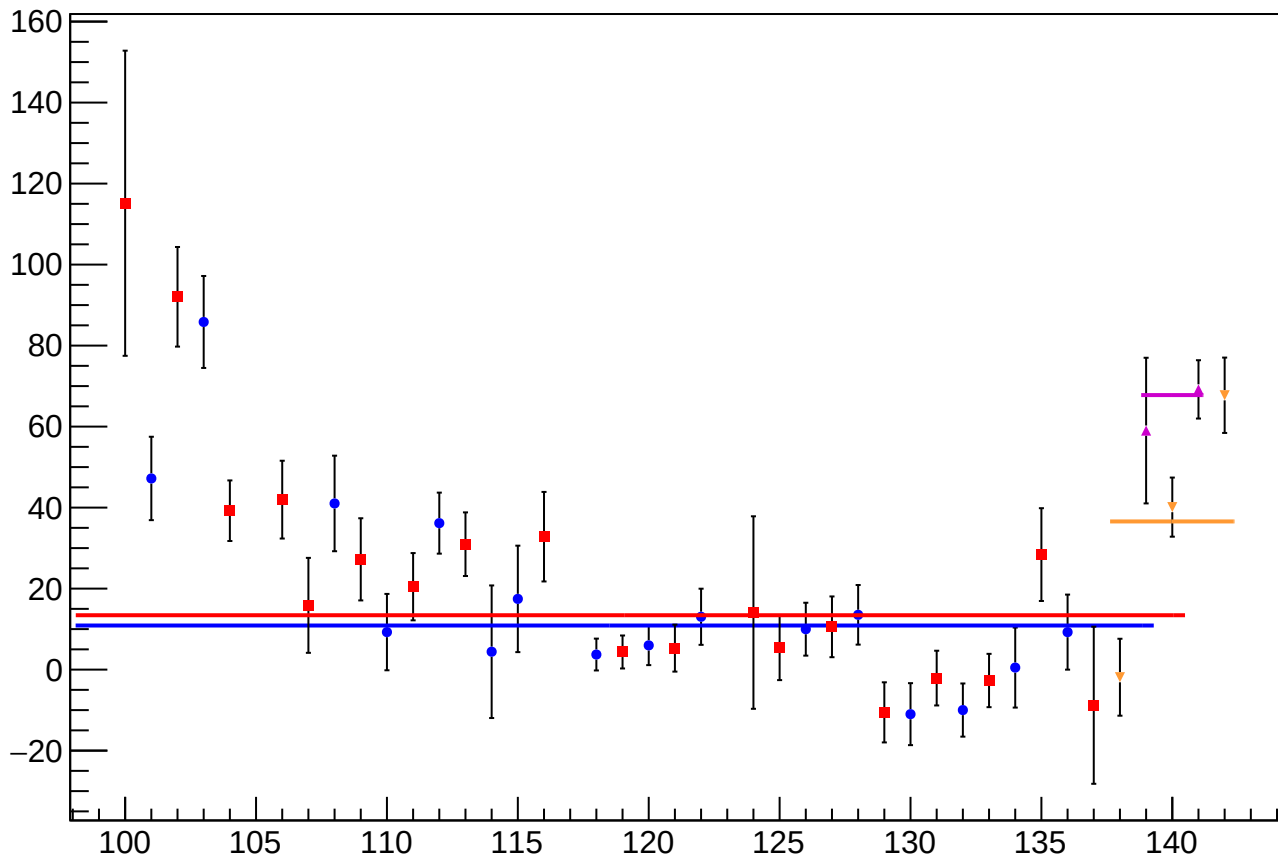
Left In: -556.956 ± 7.022 χ^2/NDF : 16.0/1

+ sign -359.909 ± 1.743 χ^2/NDF : 2342.7/18

All: -356.355 ± 1.220 χ^2/NDF : 5461.0/39

- sign -352.951 ± 1.707 χ^2/NDF : 3110.1/20

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888 ± 1.843 $\chi^2/\text{NDF}: 98.2/15$

Left Out: 36.583 ± 4.914 $\chi^2/\text{NDF}: 27.8/2$

Right Out: 13.427 ± 1.854 $\chi^2/\text{NDF}: 112.4/18$

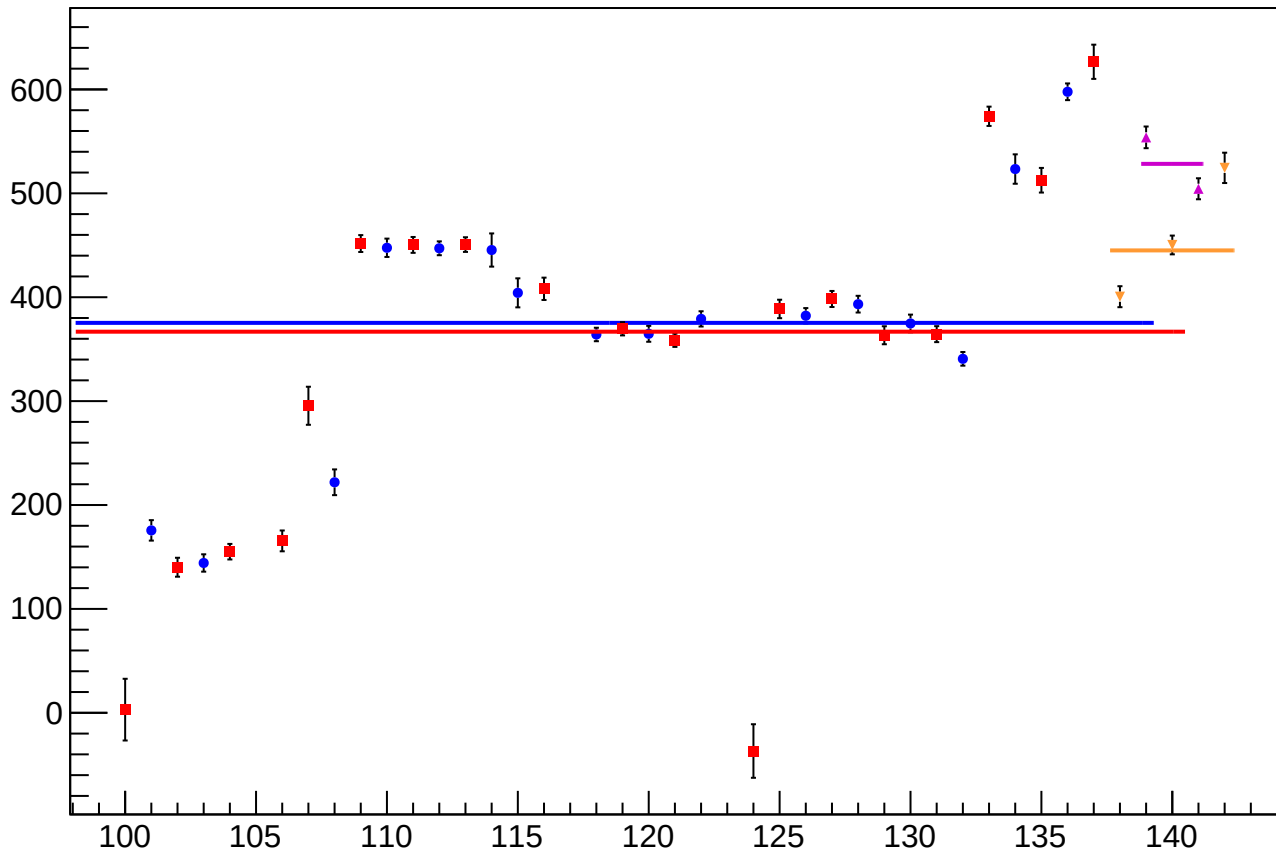
Left In: 67.782 ± 6.685 $\chi^2/\text{NDF}: 0.3/1$

+ sign 14.056 ± 1.725 $\chi^2/\text{NDF}: 150.1/18$

All: 15.626 ± 1.241 $\chi^2/\text{NDF}: 325.9/39$

- sign 17.311 ± 1.787 $\chi^2/\text{NDF}: 174.1/20$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF : 2449.5/15

Left Out: 445.058+/-6.114 χ^2/NDF : 49.4/2

Right Out: 366.830+/-2.049 χ^2/NDF : 3541.1/18

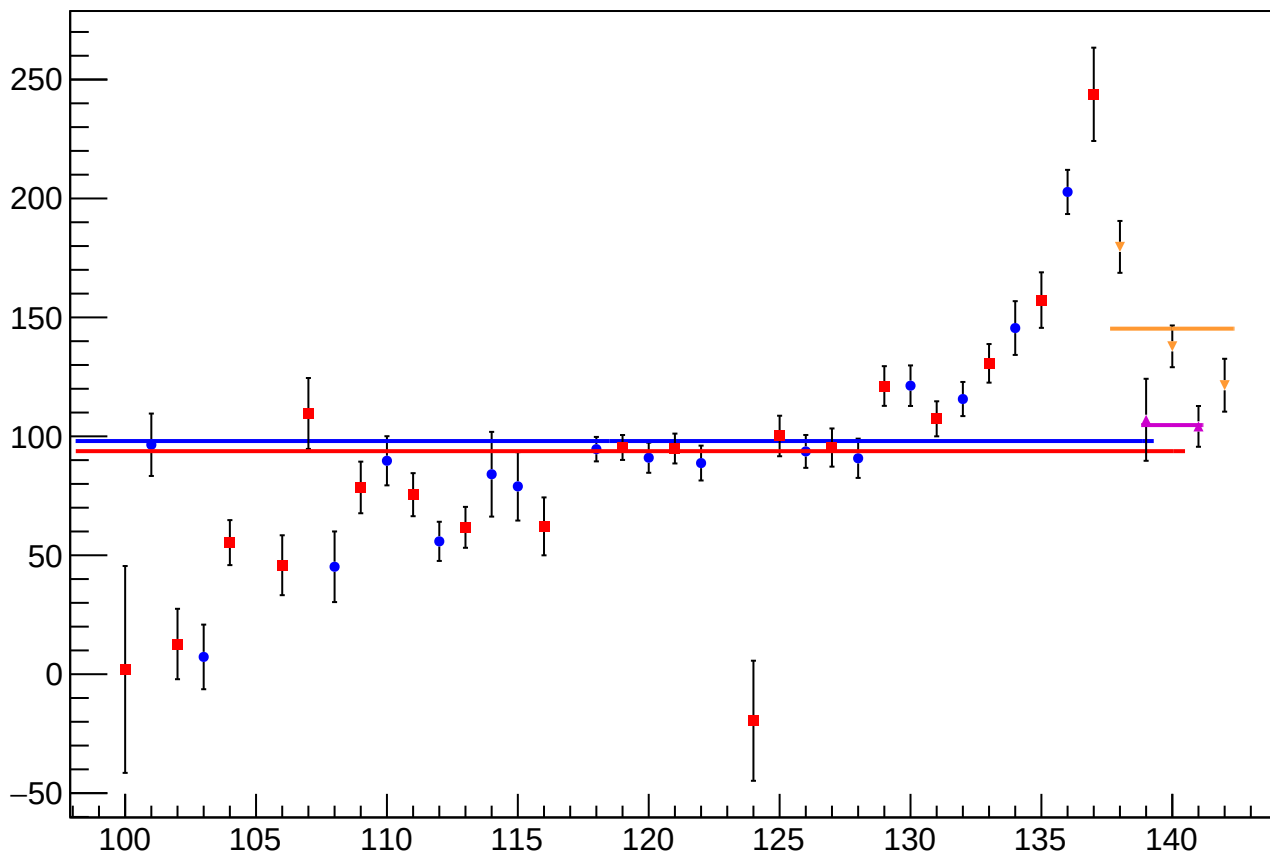
Left In: 528.360+/-7.261 χ^2/NDF : 11.6/1

+ sign 382.696+/-1.988 χ^2/NDF : 2615.2/18

All: 380.706+/-1.400 χ^2/NDF : 6628.3/39

- sign 378.749+/-1.972 χ^2/NDF : 4011.1/20

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021 $\pm$ 2.144 χ^2 /NDF: 249.5/15

Left Out: 145.270 $\pm$ 5.823 χ^2 /NDF: 15.2/2

Right Out: 93.771 $\pm$ 2.138 χ^2 /NDF: 237.1/18

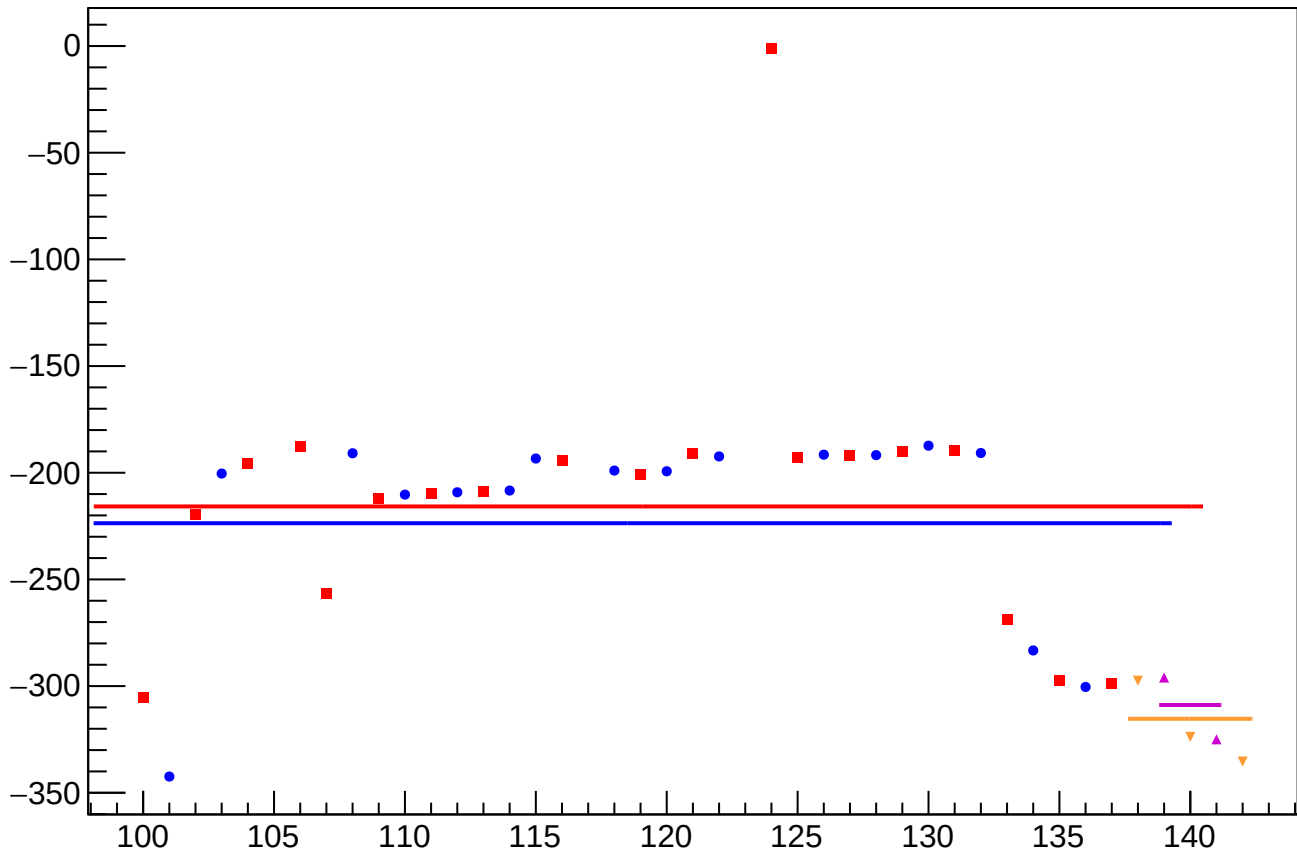
Left In: 104.732 $\pm$ 7.676 χ^2 /NDF: 0.0/1

+ sign 103.662 $\pm$ 2.012 χ^2 /NDF: 322.7/18

All: 99.218 $\pm$ 1.439 χ^2 /NDF: 571.7/39

- sign 94.560 $\pm$ 2.060 χ^2 /NDF: 239.1/20

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF : 121528.3/15

Left Out: -315.325+/-0.258 χ^2/NDF : 3493.9/2

Right Out: -215.797+/-0.134 χ^2/NDF : 81516.6/18

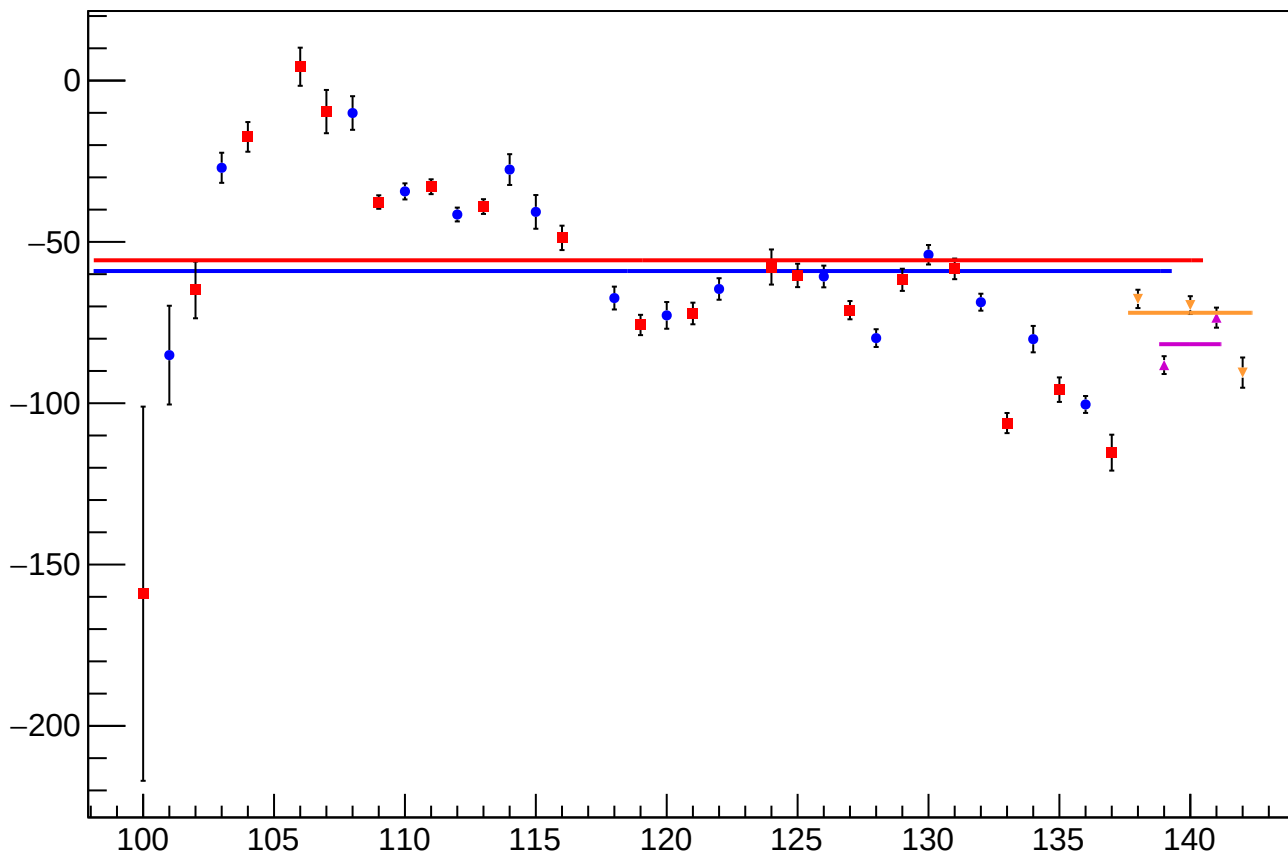
Left In: -308.863+/-0.277 χ^2/NDF : 2701.2/1

+ sign -244.089+/-0.122 χ^2/NDF : 222912.5/18

All: -238.761+/-0.086 χ^2/NDF : 402405.2/39

- sign -233.527+/-0.121 χ^2/NDF : 175706.4/20

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030 ± 0.829 χ^2/NDF : 727.3/15

Left Out: -71.970 ± 1.826 χ^2/NDF : 18.7/2

Right Out: -55.701 ± 0.790 χ^2/NDF : 1041.1/18

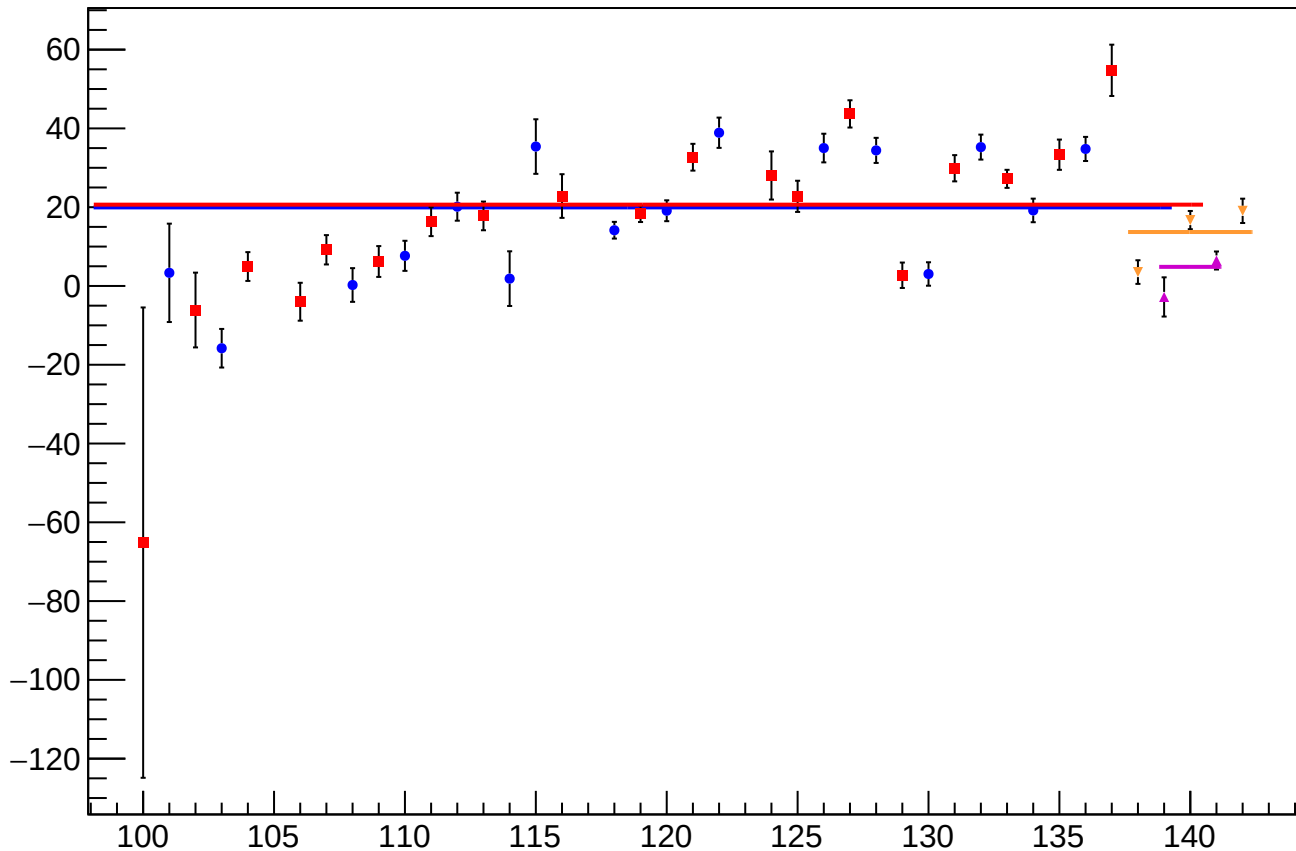
Left In: -81.702 ± 2.066 χ^2/NDF : 12.5/1

+ sign -61.243 ± 0.755 χ^2/NDF : 787.6/18

All: -60.105 ± 0.528 χ^2/NDF : 1983.9/39

- sign -59.017 ± 0.738 χ^2/NDF : 1191.8/20

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946 $\pm$ 0.867 χ^2 /NDF: 247.2/15

Left Out: 13.698 $\pm$ 1.575 χ^2 /NDF:16.2/2

Right Out: 20.643 $\pm$ 0.844 χ^2 /NDF: 224.8/18

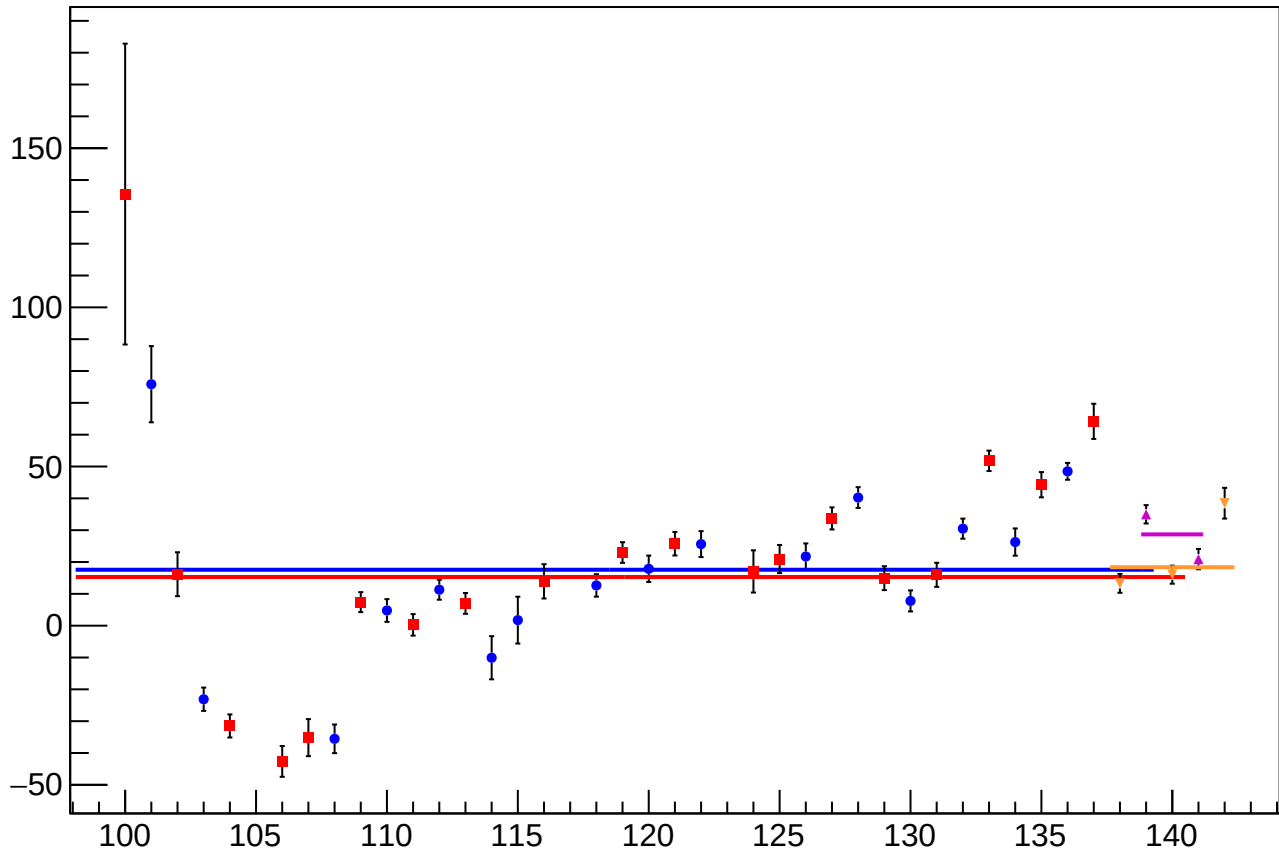
Left In: 4.851 $\pm$ 2.079 χ^2 /NDF:2.8/1

+ sign 18.492 $\pm$ 0.760 χ^2 /NDF: 275.5/18

All: 18.452 $\pm$ 0.545 χ^2 /NDF: 552.6/39

- sign 18.410 $\pm$ 0.782 χ^2 /NDF: 277.1/20

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574 $\pm$ 0.957 χ^2 /NDF: 546.2/15

Left Out: 18.354 $\pm$ 1.890 χ^2 /NDF: 20.9/2

Right Out: 15.283 $\pm$ 0.934 χ^2 /NDF: 730.0/18

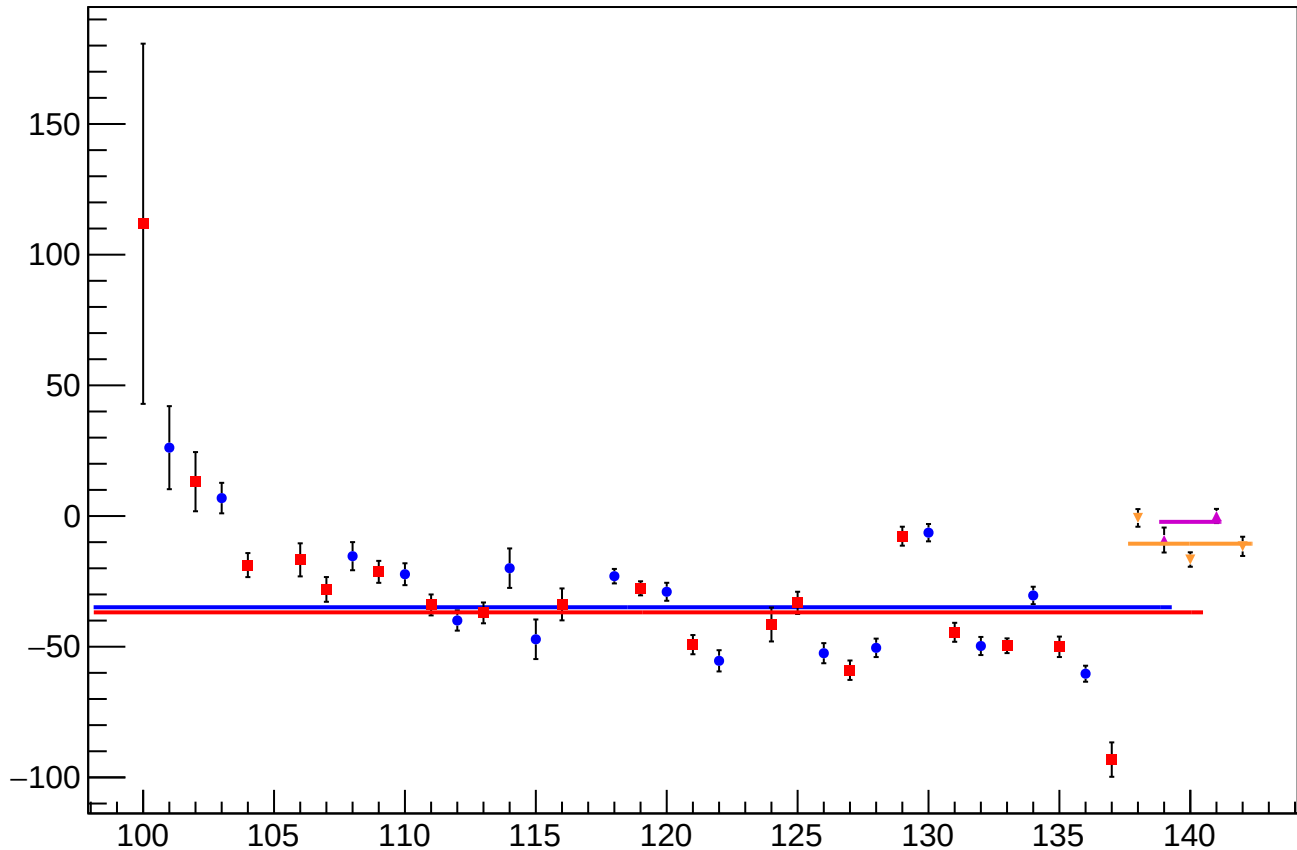
Left In: 28.679 $\pm$ 2.138 χ^2 /NDF: 10.7/1

+ sign 17.733 $\pm$ 0.853 χ^2 /NDF: 567.2/18

All: 17.582 $\pm$ 0.604 χ^2 /NDF: 1341.0/39

- sign 17.429 $\pm$ 0.856 χ^2 /NDF: 773.7/20

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899 ± 0.990 χ^2/NDF : 346.6/15

Left Out: -10.583 ± 1.850 χ^2/NDF : 13.4/2

Right Out: -36.853 ± 0.970 χ^2/NDF : 301.4/18

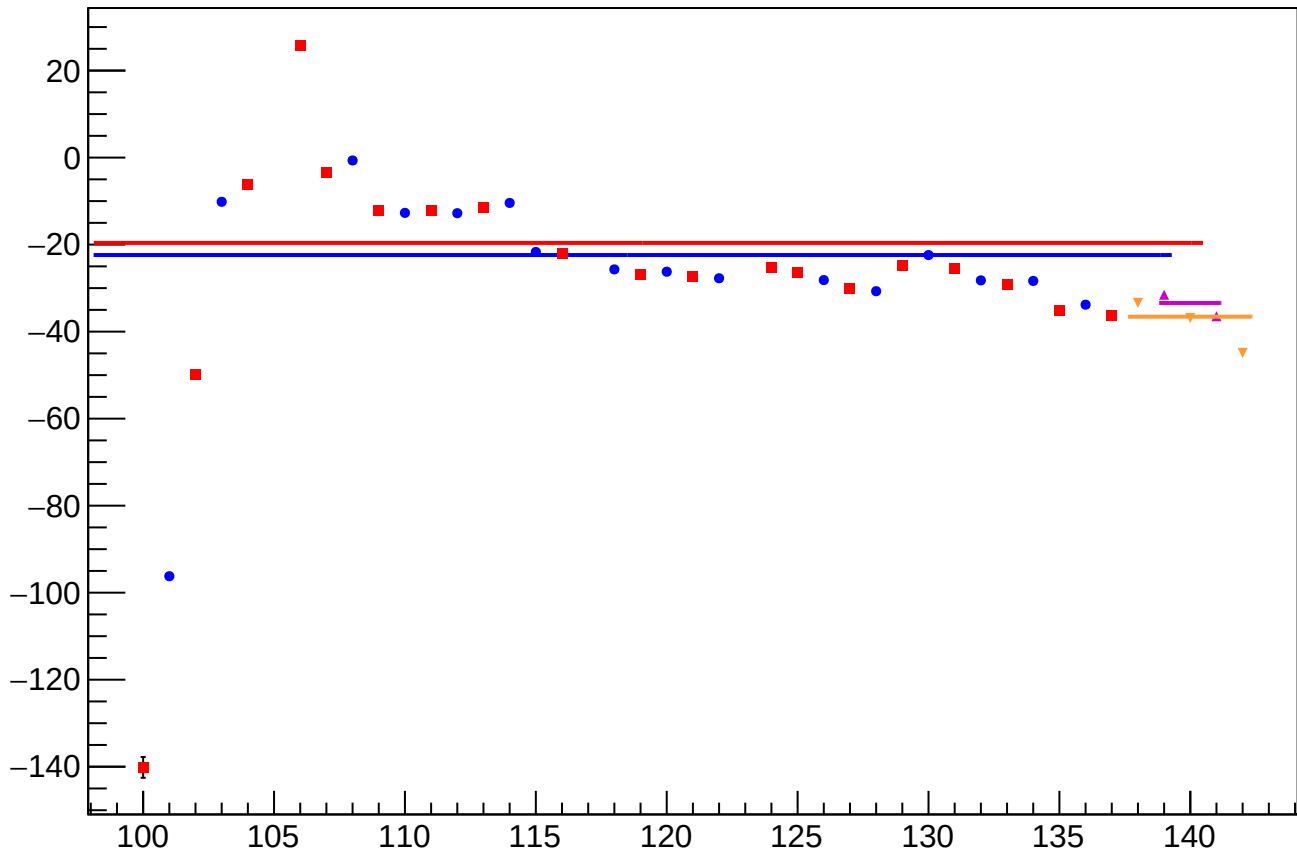
Left In: -2.226 ± 2.359 χ^2/NDF : 2.8/1

+ sign -29.482 ± 0.873 χ^2/NDF : 494.4/18

All: -30.634 ± 0.626 χ^2/NDF : 986.5/39

- sign -31.850 ± 0.897 χ^2/NDF : 488.6/20

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394 ± 0.058 $\chi^2/\text{NDF}: 46519.7/15$

Left Out: -36.564 ± 0.079 $\chi^2/\text{NDF}: 2520.1/2$

Right Out: -19.605 ± 0.059 $\chi^2/\text{NDF}: 83865.7/18$

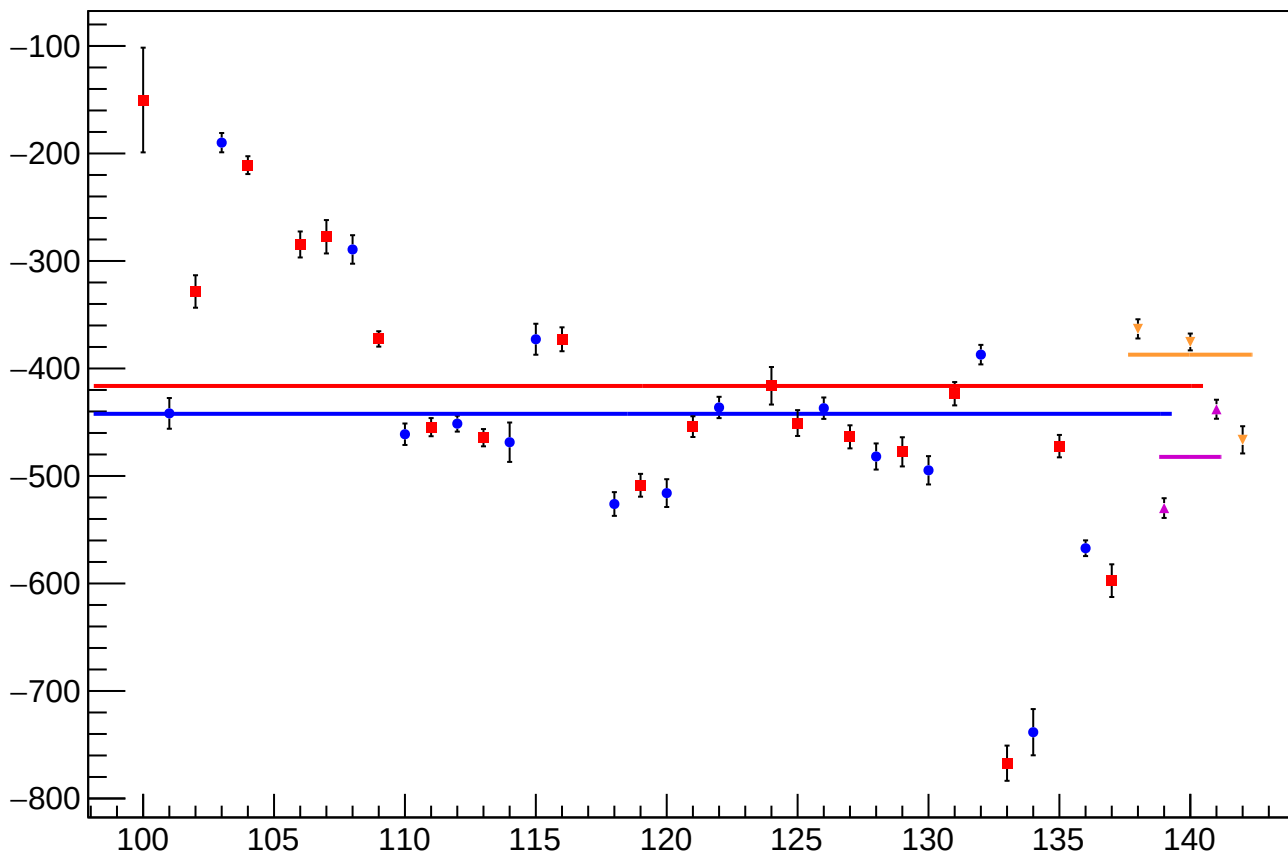
Left In: -33.413 ± 0.081 $\chi^2/\text{NDF}: 890.6/1$

+ sign -27.422 ± 0.047 $\chi^2/\text{NDF}: 70009.8/18$

All: -25.977 ± 0.033 $\chi^2/\text{NDF}: 175711.9/39$

- sign -24.468 ± 0.048 $\chi^2/\text{NDF}: 103755.8/20$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182 ± 2.682 $\chi^2/\text{NDF}: 1589.1/15$

Left Out: -387.161 ± 5.336 $\chi^2/\text{NDF}: 48.7/2$

Right Out: -416.259 ± 2.523 $\chi^2/\text{NDF}: 1753.8/18$

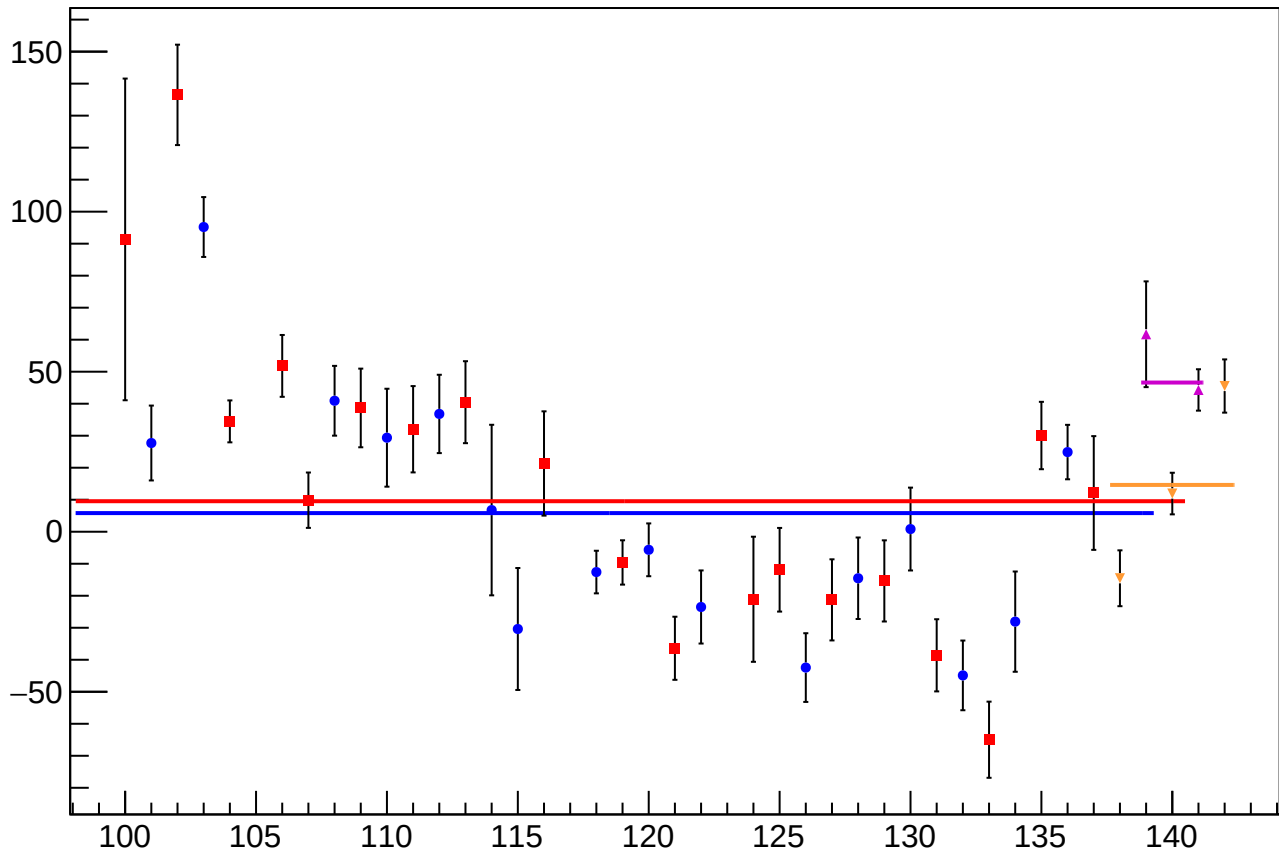
Left In: -482.245 ± 6.369 $\chi^2/\text{NDF}: 52.0/1$

+ sign -431.089 ± 2.396 $\chi^2/\text{NDF}: 1722.6/18$

All: -428.084 ± 1.676 $\chi^2/\text{NDF}: 3624.3/39$

- sign -425.205 ± 2.345 $\chi^2/\text{NDF}: 1898.6/20$

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824 ± 2.728 χ^2/NDF : 188.1/15

Left Out: 14.625 ± 4.417 χ^2/NDF : 25.1/2

Right Out: 9.536 ± 2.556 χ^2/NDF : 222.2/18

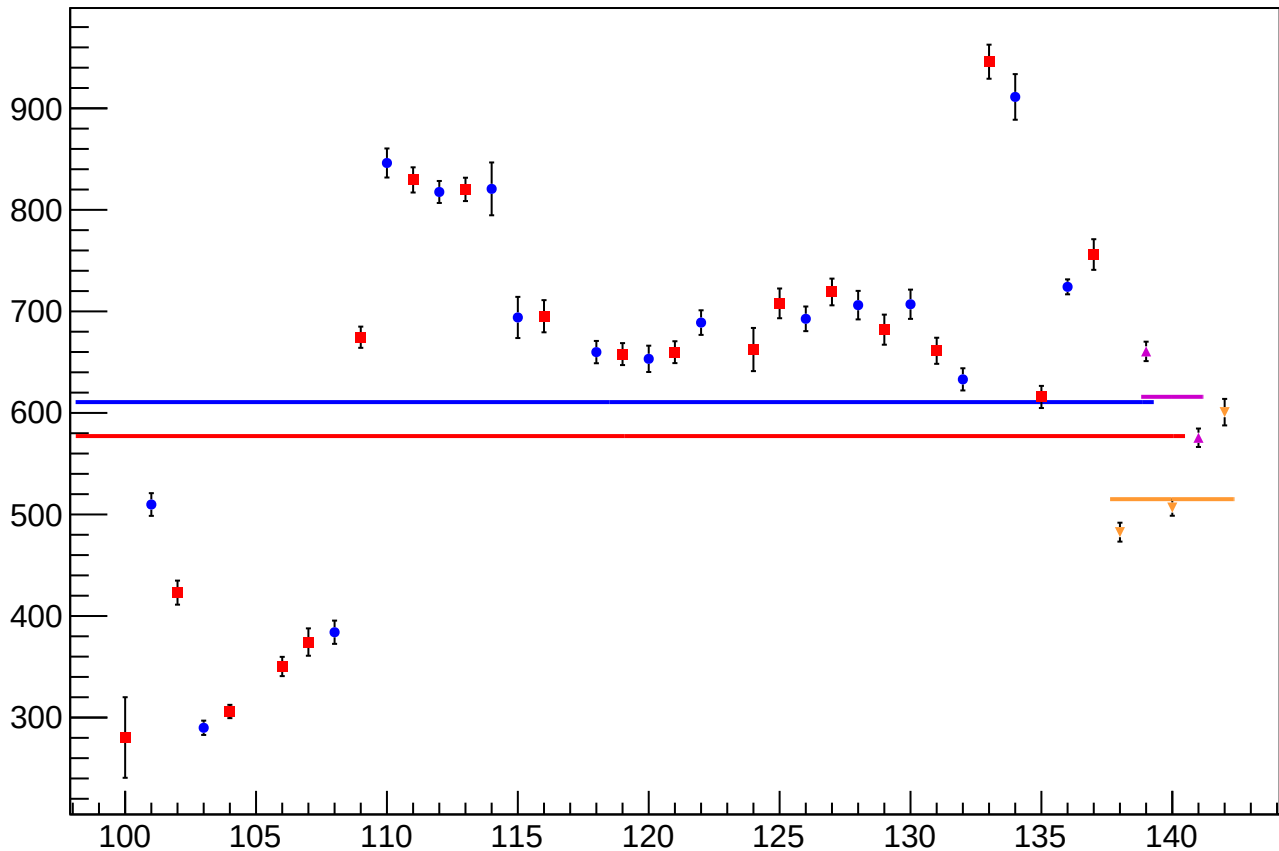
Left In: 46.610 ± 6.021 χ^2/NDF : 1.0/1

+ sign 8.254 ± 2.321 χ^2/NDF : 216.1/18

All: 11.678 ± 1.652 χ^2/NDF : 475.8/39

- sign 15.198 ± 2.353 χ^2/NDF : 255.2/20

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665 $\pm$ 2.892 χ^2 /NDF: 3892.6/15

Left Out: 515.072 $\pm$ 5.518 χ^2 /NDF: 56.3/2

Right Out: 577.205 $\pm$ 2.755 χ^2 /NDF: 4800.3/18

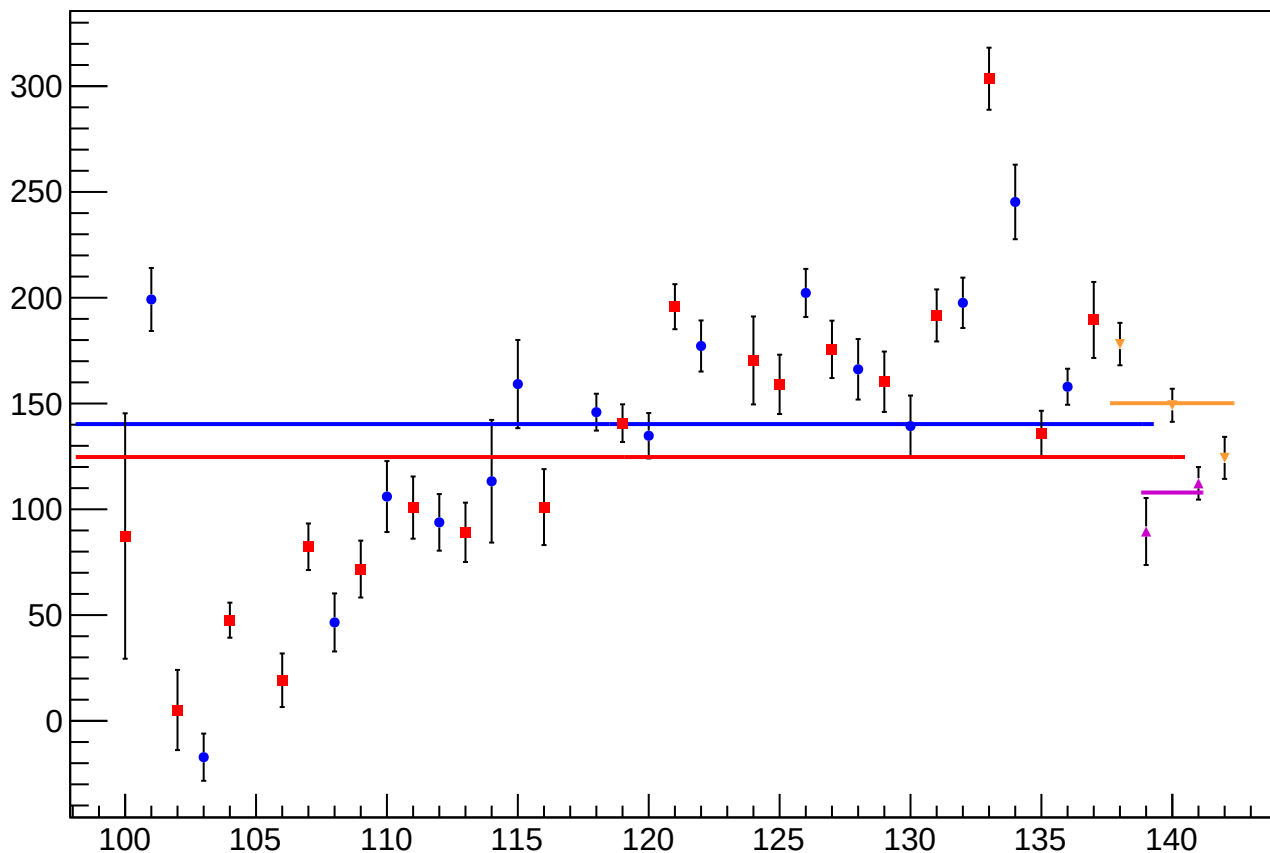
Left In: 615.878 $\pm$ 6.584 χ^2 /NDF: 41.6/1

+ sign 590.062 $\pm$ 2.562 χ^2 /NDF: 4184.3/18

All: 586.487 $\pm$ 1.804 χ^2 /NDF: 9059.4/39

- sign 582.968 $\pm$ 2.541 χ^2 /NDF: 4871.3/20

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278 $\pm$ 3.151 χ^2 /NDF: 385.4/15

Left Out: 150.151 $\pm$ 5.239 χ^2 /NDF:14.6/2

Right Out: 124.697 $\pm$ 2.979 χ^2 /NDF: 508.5/18

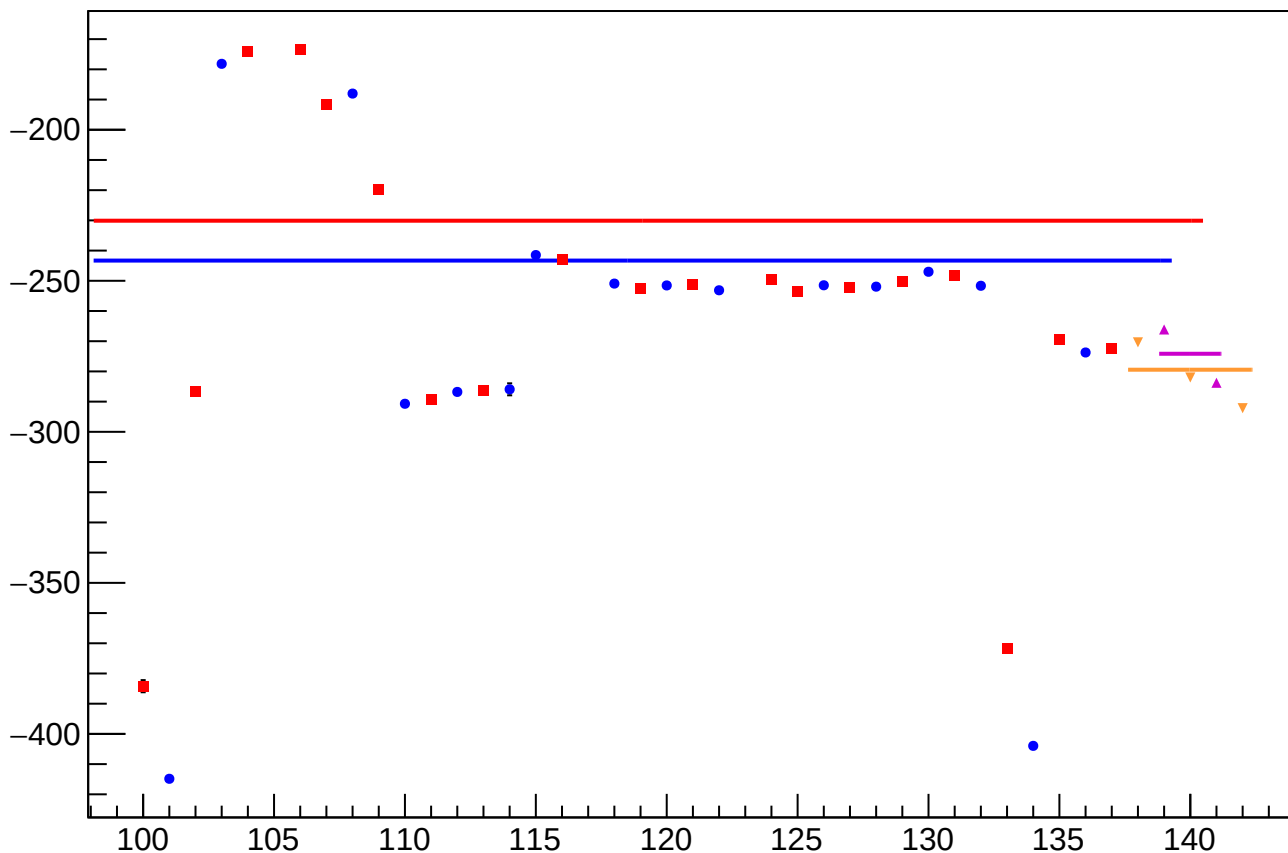
Left In: 107.923 $\pm$ 6.924 χ^2 /NDF:1.7/1

+ sign 142.901 $\pm$ 2.700 χ^2 /NDF: 402.5/18

All: 132.626 $\pm$ 1.922 χ^2 /NDF: 947.0/39

- sign 122.077 $\pm$ 2.736 χ^2 /NDF: 515.2/20

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2 /NDF: 173487.9/15

Left Out: -279.437+/-0.233 χ^2 /NDF:1198.5/2

Right Out: -230.109+/-0.157 χ^2 /NDF: 102451.2/18

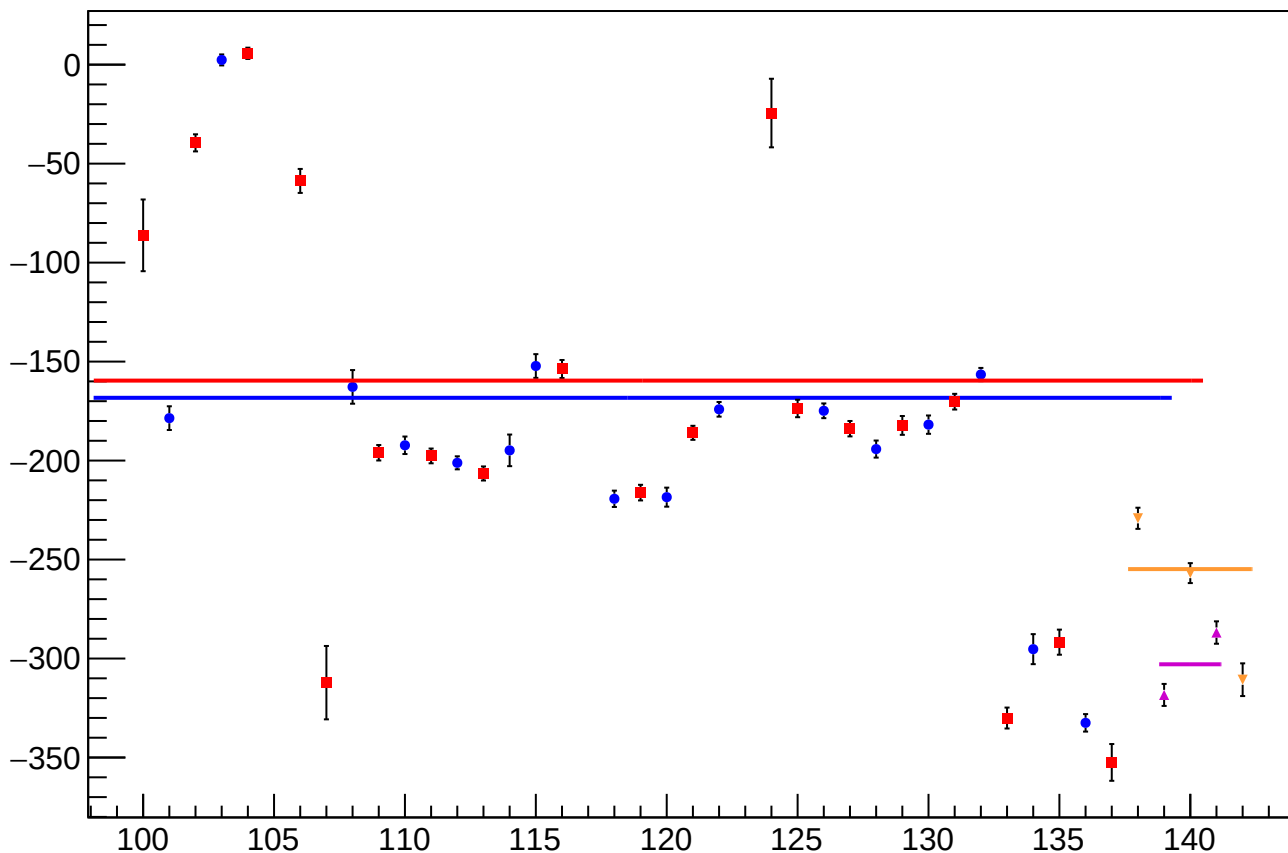
Left In: -274.157+/-0.252 χ^2 /NDF:1218.7/1

+ sign -255.098+/-0.133 χ^2 /NDF: 190814.9/18

All: -248.795+/-0.094 χ^2 /NDF: 320967.8/39

- sign -242.486+/-0.133 χ^2 /NDF: 125684.9/20

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291 ± 1.076 χ^2/NDF : 5907.6/15

Left Out: -254.821 ± 3.351 χ^2/NDF : 69.0/2

Right Out: -159.602 ± 1.042 χ^2/NDF : 7197.9/18

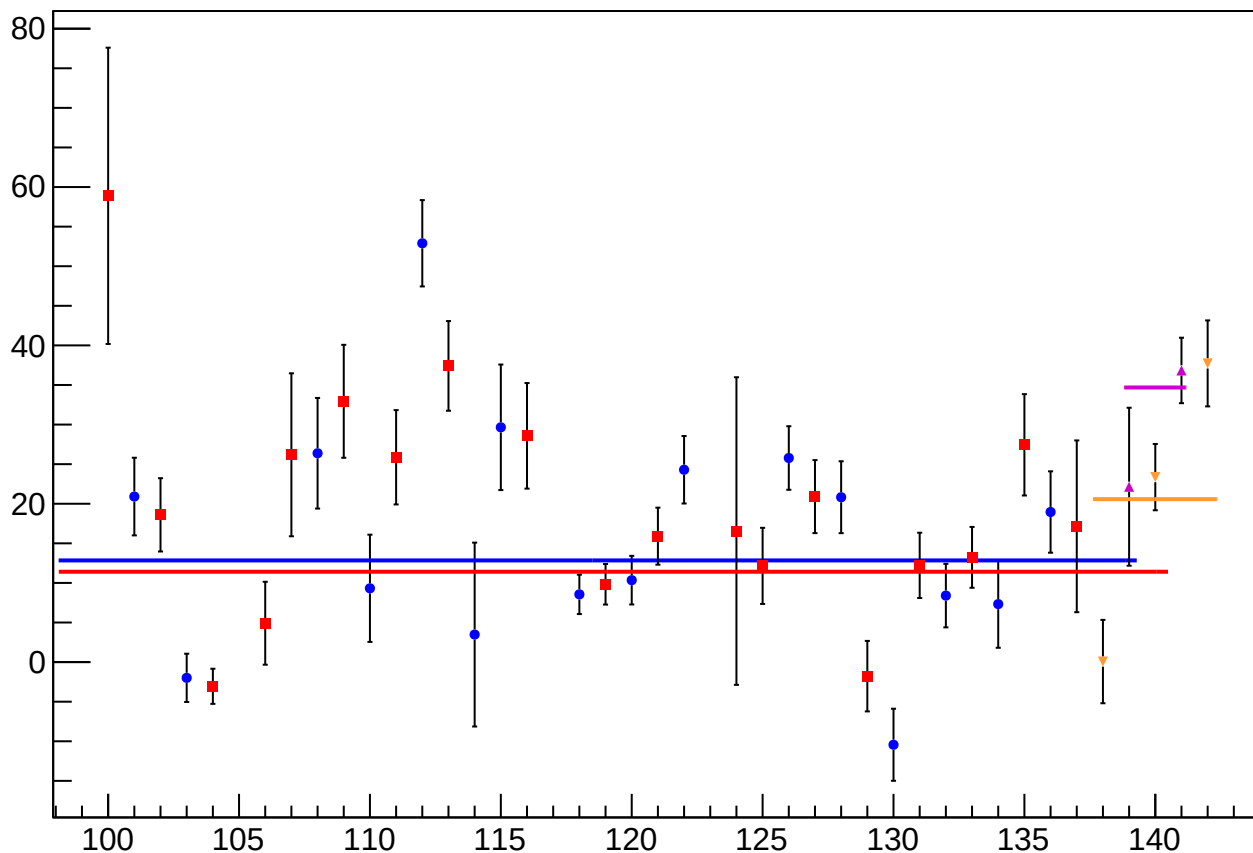
Left In: -302.909 ± 3.965 χ^2/NDF : 15.8/1

+ sign -176.376 ± 1.024 χ^2/NDF : 6581.0/18

All: -172.560 ± 0.718 χ^2/NDF : 15043.7/39

- sign -168.864 ± 1.008 χ^2/NDF : 8435.4/20

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842 $\pm$ 1.076 χ^2 /NDF: 143.7/15

Left Out: 20.580 $\pm$ 2.805 χ^2 /NDF: 25.6/2

Right Out: 11.414 $\pm$ 1.035 χ^2 /NDF: 119.6/18

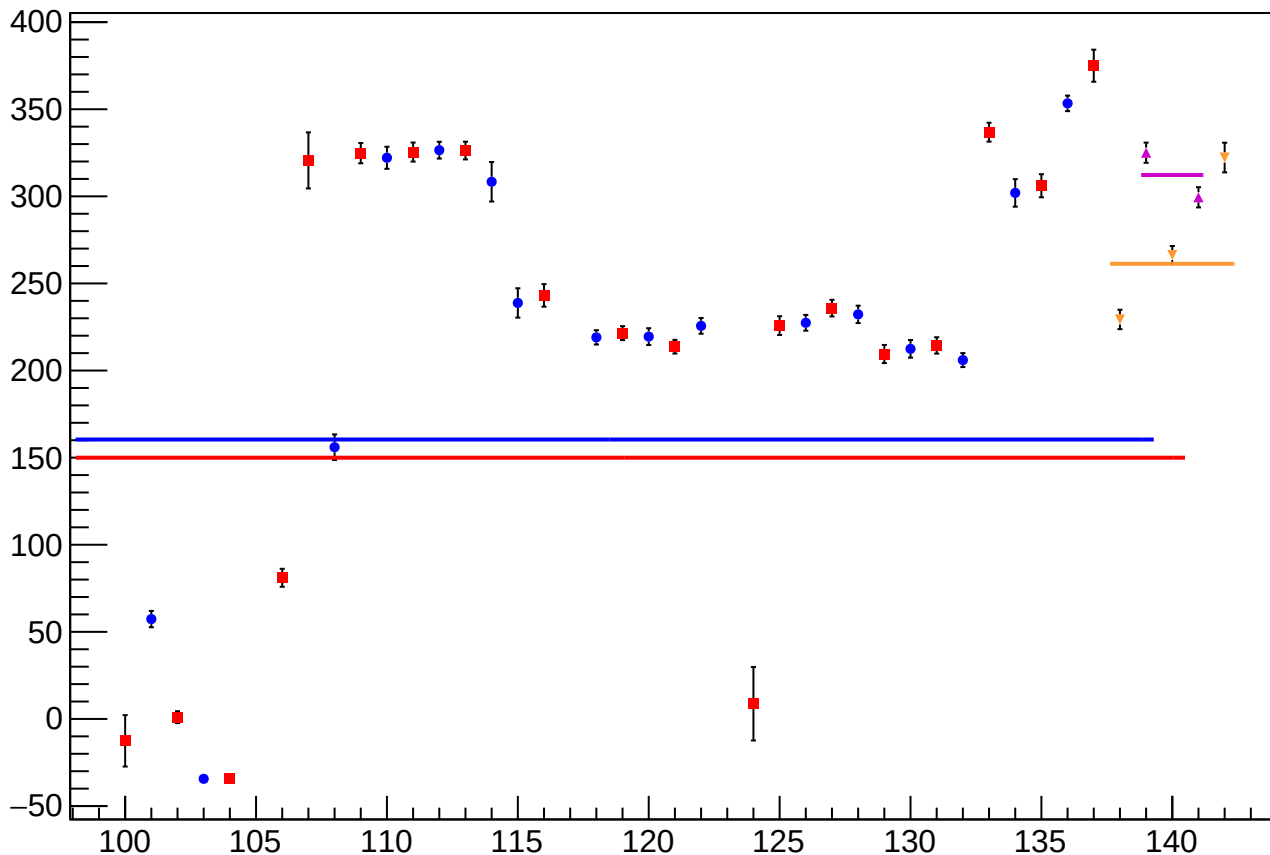
Left In: 34.684 $\pm$ 3.820 χ^2 /NDF: 1.8/1

+ sign 13.835 $\pm$ 1.005 χ^2 /NDF: 175.9/18

All: 13.419 $\pm$ 0.709 χ^2 /NDF: 332.3/39

- sign 13.007 $\pm$ 0.999 χ^2 /NDF: 156.0/20

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407 $\pm$ 1.139 χ^2 /NDF: 13949.8/15

Left Out: 261.287 $\pm$ 3.467 χ^2 /NDF:85.0/2

Right Out: 149.974 $\pm$ 1.107 χ^2 /NDF: 16265.2/18

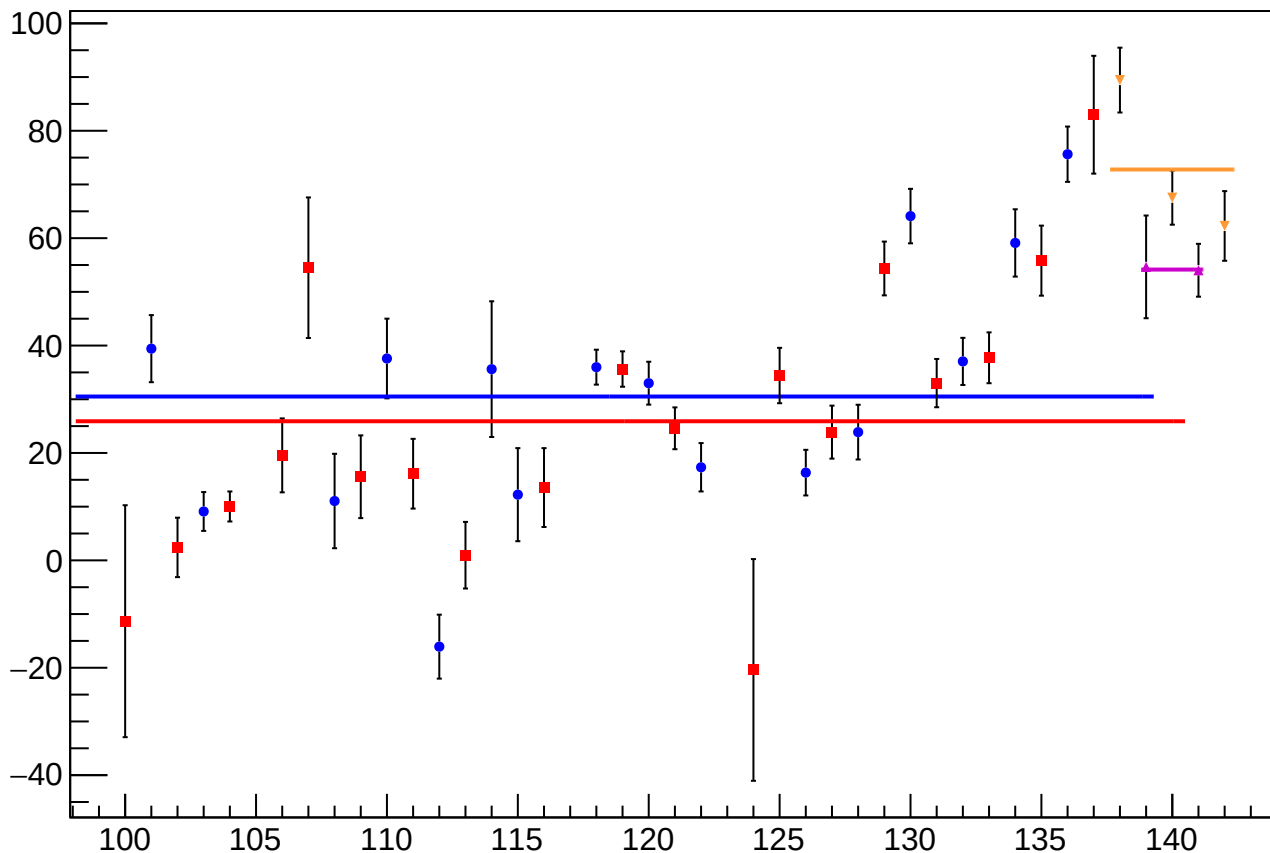
Left In: 312.264 $\pm$ 4.102 χ^2 /NDF:9.7/1

+ sign 170.236 $\pm$ 1.082 χ^2 /NDF: 14799.1/18

All: 165.554 $\pm$ 0.760 χ^2 /NDF: 32570.3/39

- sign 160.988 $\pm$ 1.069 χ^2 /NDF: 17734.2/20

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510 $\pm$ 1.255 χ^2 /NDF: 276.9/15

Left Out: 72.784 $\pm$ 3.320 χ^2 /NDF:11.3/2

Right Out: 25.903 $\pm$ 1.213 χ^2 /NDF: 187.8/18

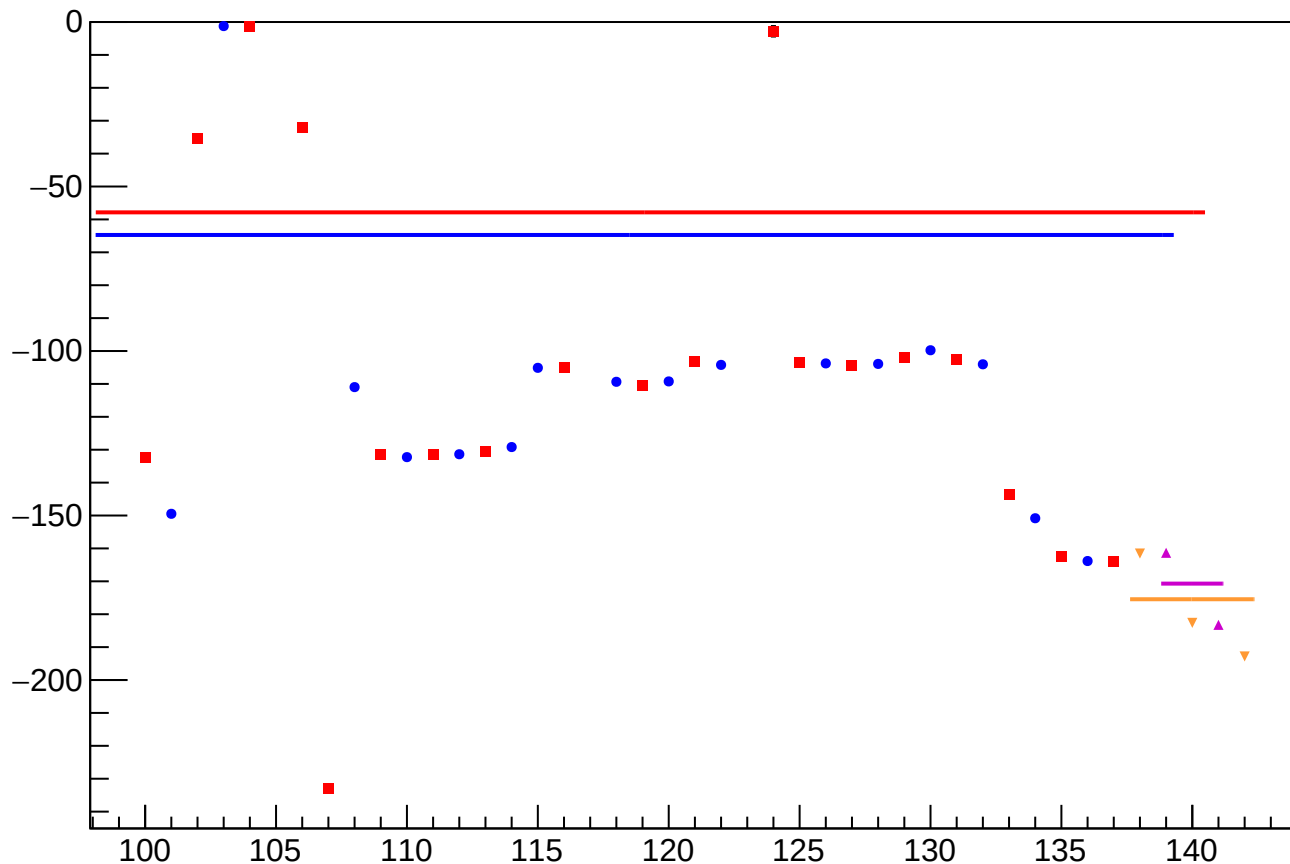
Left In: 54.154 $\pm$ 4.376 χ^2 /NDF:0.0/1

+ sign 35.791 $\pm$ 1.174 χ^2 /NDF: 430.1/18

All: 31.840 $\pm$ 0.828 χ^2 /NDF: 679.2/39

- sign 27.919 $\pm$ 1.169 χ^2 /NDF: 226.5/20

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726 $\pm$ 0.064 χ^2 /NDF: 1044441.7/15

Left Out: -175.448 $\pm$ 0.146 χ^2 /NDF: 7282.0/2

Right Out: -57.855 $\pm$ 0.062 χ^2 /NDF: 875795.9/18

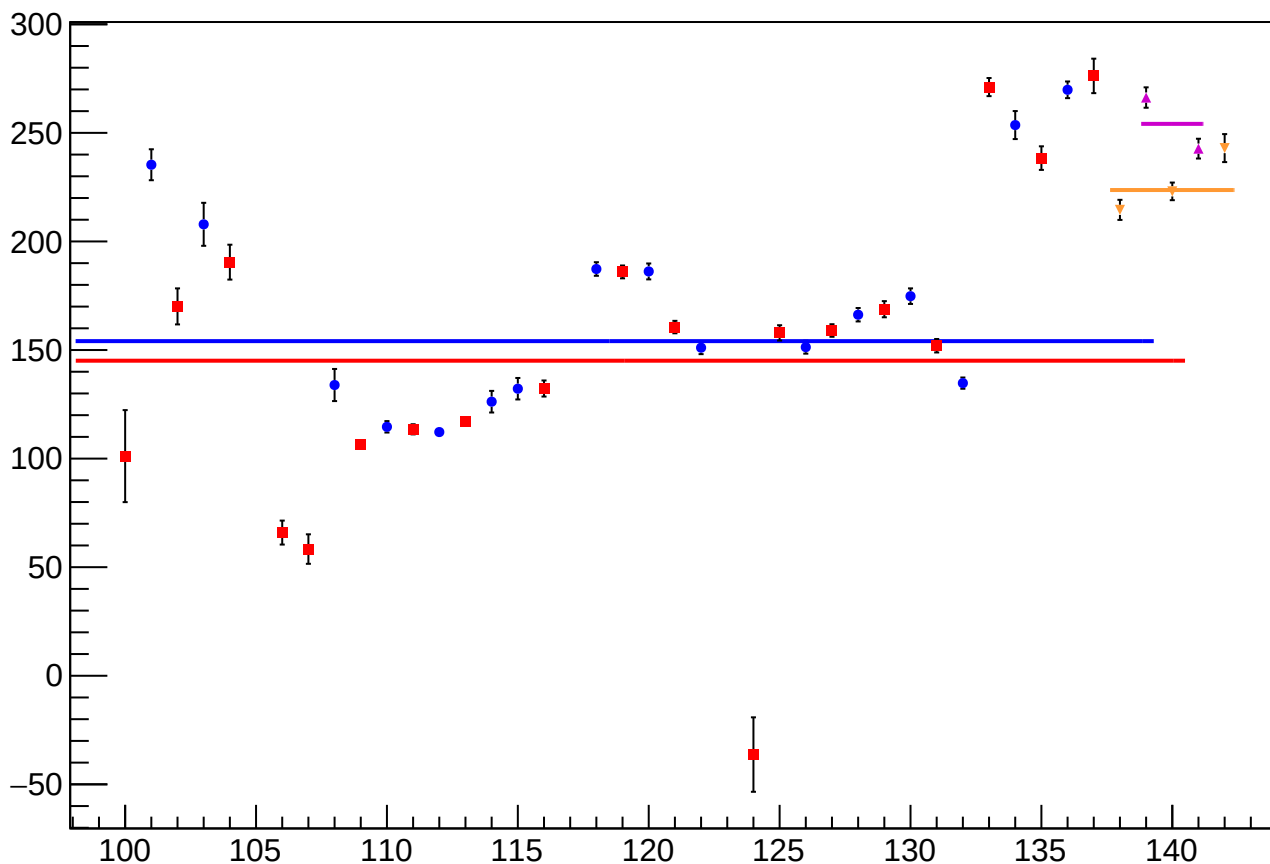
Left In: -170.699 $\pm$ 0.156 χ^2 /NDF: 4832.6/1

+ sign -82.443 $\pm$ 0.058 χ^2 /NDF: 1533768.1/18

All: -77.830 $\pm$ 0.041 χ^2 /NDF: 2878856.5/39

- sign -73.332 $\pm$ 0.058 χ^2 /NDF: 1332792.7/20

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096 $\pm$ 0.869 χ^2 /NDF: 2281.1/15

Left Out: 223.676 $\pm$ 2.757 χ^2 /NDF:12.9/2

Right Out: 145.083 $\pm$ 0.826 χ^2 /NDF: 2958.4/18

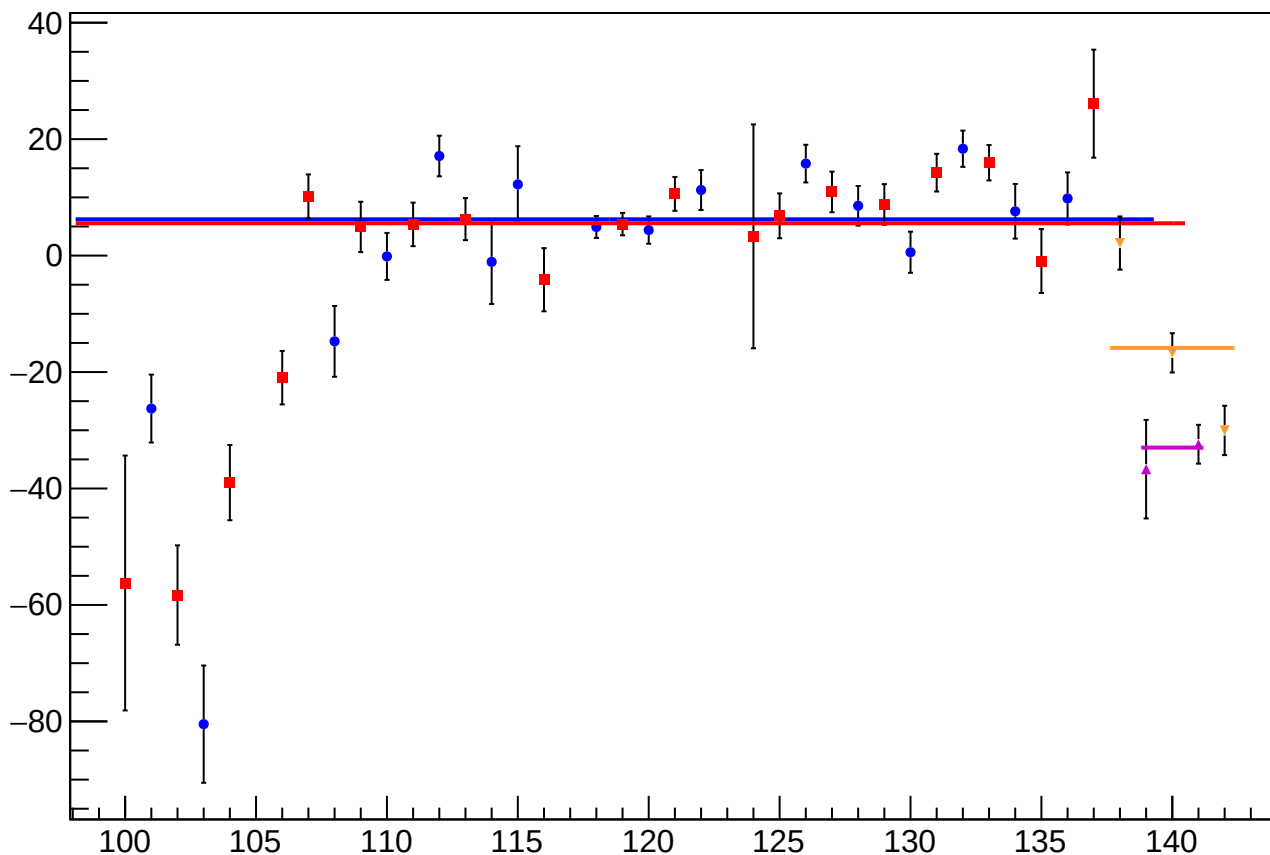
Left In: 254.144 $\pm$ 3.270 χ^2 /NDF:12.9/1

+ sign 160.384 $\pm$ 0.829 χ^2 /NDF: 2873.3/18

All: 155.854 $\pm$ 0.576 χ^2 /NDF: 6948.0/39

- sign 151.626 $\pm$ 0.801 χ^2 /NDF: 4017.0/20

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229 ± 0.890 χ^2/NDF : 162.1/15

Left Out: -15.858 ± 2.284 χ^2/NDF : 26.8/2

Right Out: 5.548 ± 0.889 χ^2/NDF : 181.1/18

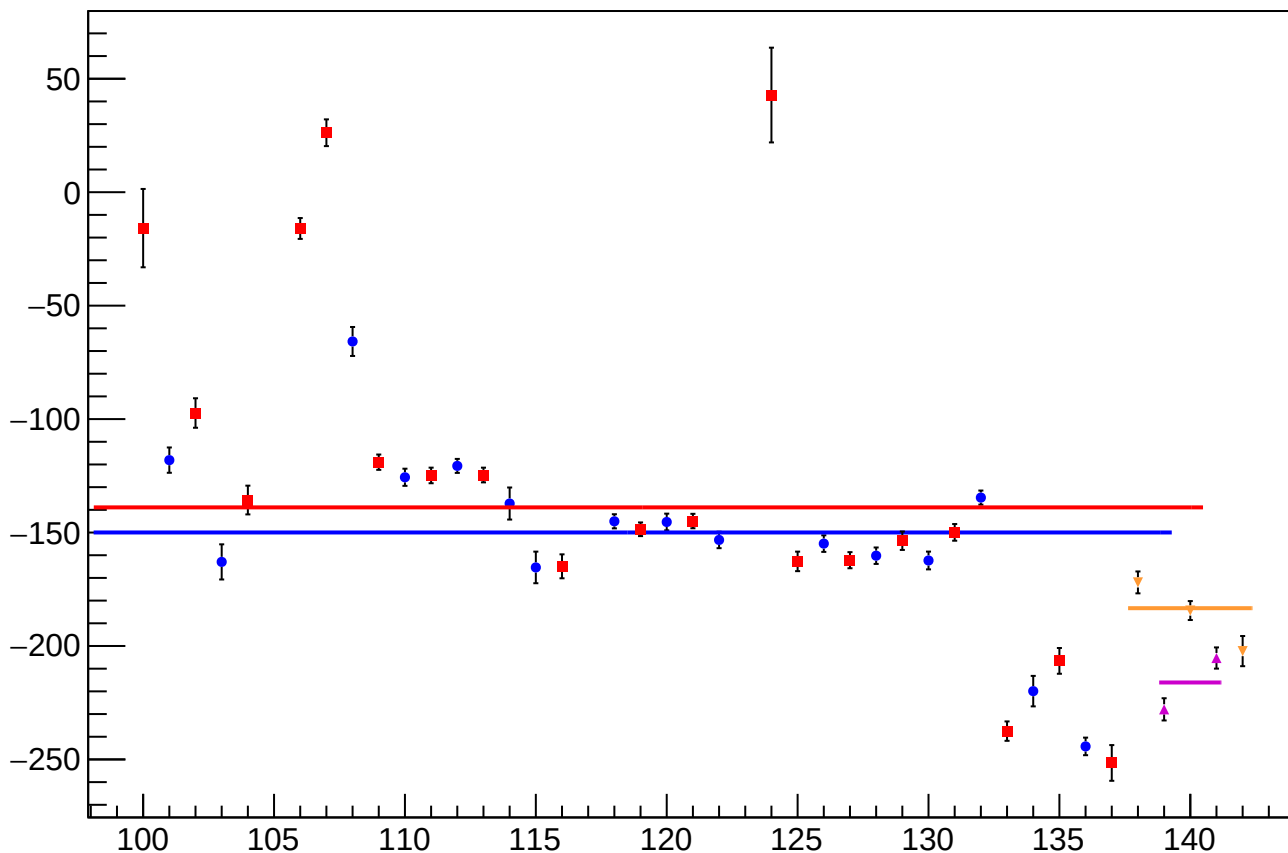
Left In: -32.974 ± 3.099 χ^2/NDF : 0.2/1

+ sign 3.318 ± 0.829 χ^2/NDF : 270.0/18

All: 2.978 ± 0.595 χ^2/NDF : 594.5/39

- sign 2.616 ± 0.855 χ^2/NDF : 324.1/20

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970 ± 1.026 $\chi^2/\text{NDF}: 1099.5/15$

Left Out: -183.340 ± 2.851 $\chi^2/\text{NDF}: 13.7/2$

Right Out: -138.912 ± 0.993 $\chi^2/\text{NDF}: 2750.9/18$

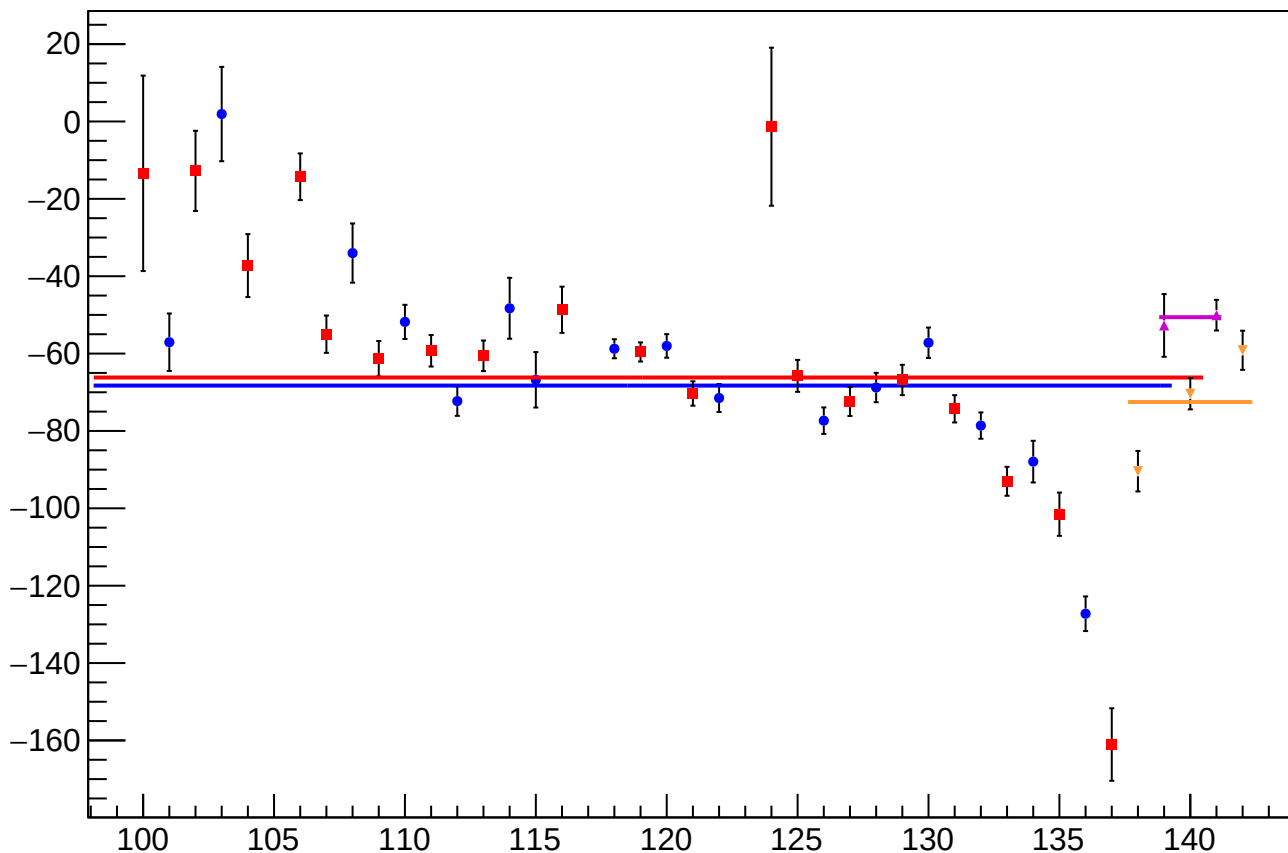
Left In: -216.088 ± 3.380 $\chi^2/\text{NDF}: 11.2/1$

+ sign -153.793 ± 0.965 $\chi^2/\text{NDF}: 1234.5/18$

All: -149.366 ± 0.678 $\chi^2/\text{NDF}: 4517.9/39$

- sign -145.049 ± 0.953 $\chi^2/\text{NDF}: 3241.9/20$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272 ± 1.033 χ^2/NDF : 315.4/15

Left Out: -72.516 ± 2.707 χ^2/NDF : 19.0/2

Right Out: -66.186 ± 1.024 χ^2/NDF : 358.3/18

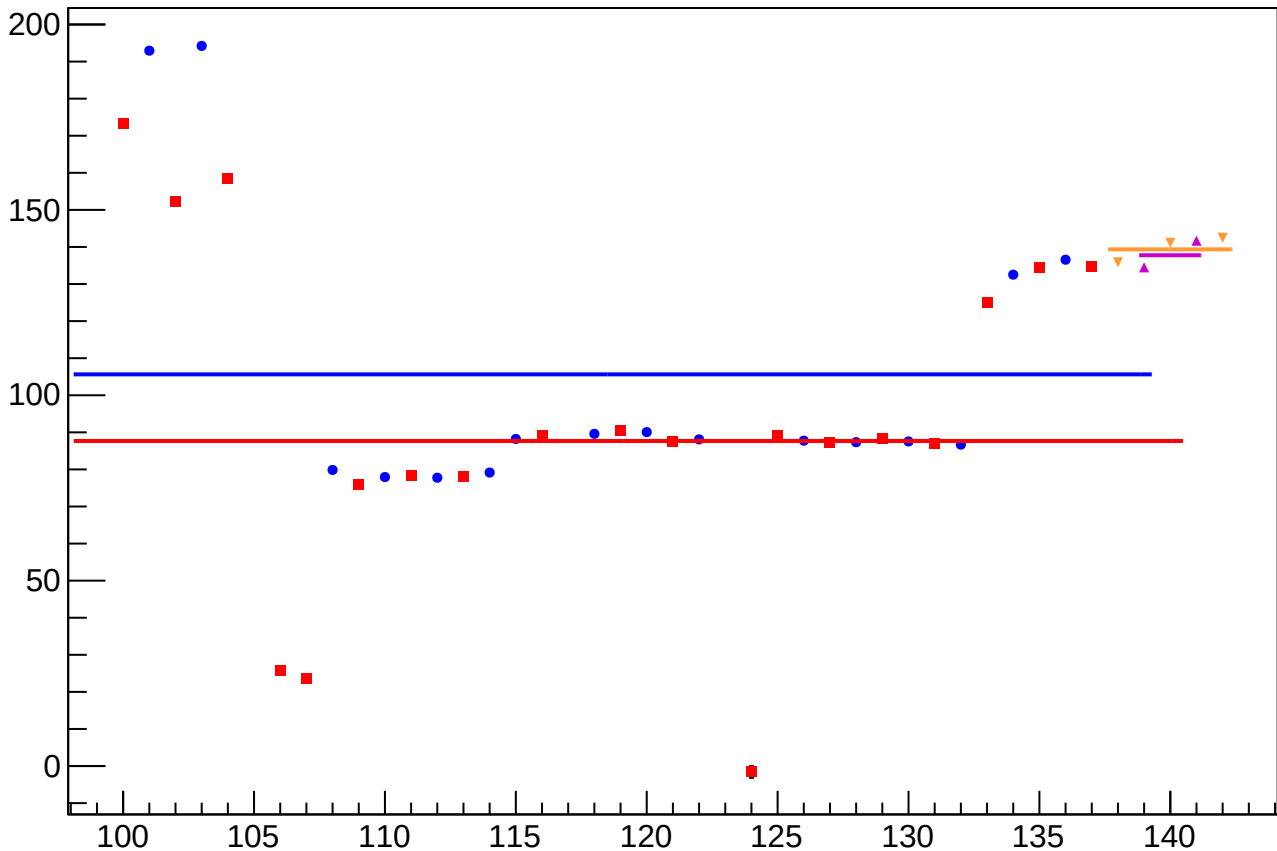
Left In: -50.585 ± 3.560 χ^2/NDF : 0.1/1

+ sign -68.811 ± 0.965 χ^2/NDF : 336.5/18

All: -66.939 ± 0.689 χ^2/NDF : 720.3/39

- sign -64.994 ± 0.984 χ^2/NDF : 376.2/20

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640 $\pm$ 0.071 χ^2/NDF : 239614.1/15

Left Out: 139.355 $\pm$ 0.120 χ^2/NDF : 548.6/2

Right Out: 87.673 $\pm$ 0.066 χ^2/NDF : 374460.7/18

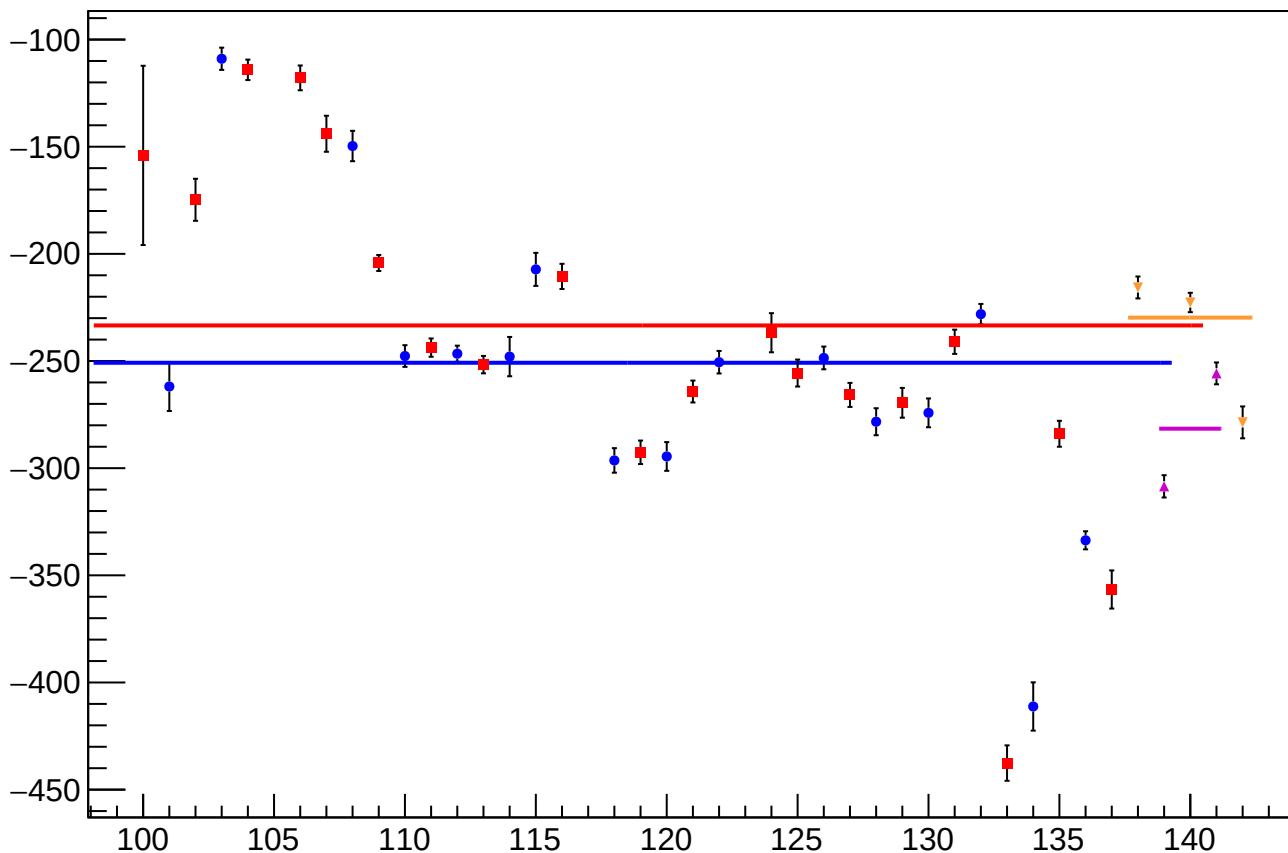
Left In: 137.769 $\pm$ 0.129 χ^2/NDF : 766.7/1

+ sign 114.307 $\pm$ 0.061 χ^2/NDF : 298403.9/18

All: 105.785 $\pm$ 0.042 χ^2/NDF : 830658.4/39

- sign 97.961 $\pm$ 0.059 χ^2/NDF : 494885.1/20

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812±1.438 χ^2 /NDF: 1735.7/15

Left Out: -229.744±3.081 χ^2 /NDF: 53.2/2

Right Out: -233.396±1.333 χ^2 /NDF: 2378.5/18

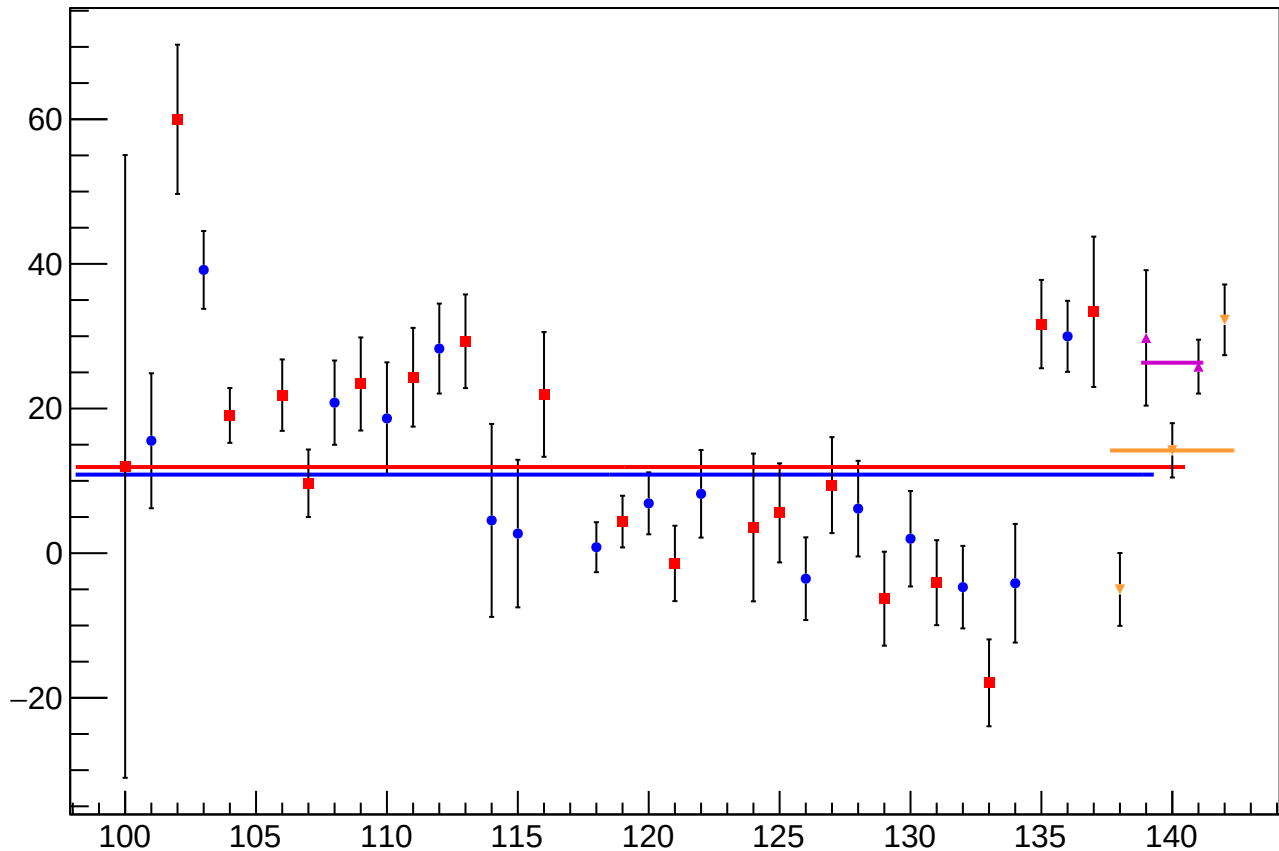
Left In: -281.572±3.641 χ^2 /NDF: 52.4/1

+ sign -247.043±1.303 χ^2 /NDF: 1827.3/18

All: -242.908±0.903 χ^2 /NDF: 4431.9/39

- sign -239.091±1.252 χ^2 /NDF: 2585.2/20

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864 $\pm$ 1.471 χ^2 /NDF: 84.7/15

Left Out: 14.202 $\pm$ 2.564 χ^2 /NDF: 28.2/2

Right Out: 11.912 $\pm$ 1.368 χ^2 /NDF: 111.9/18

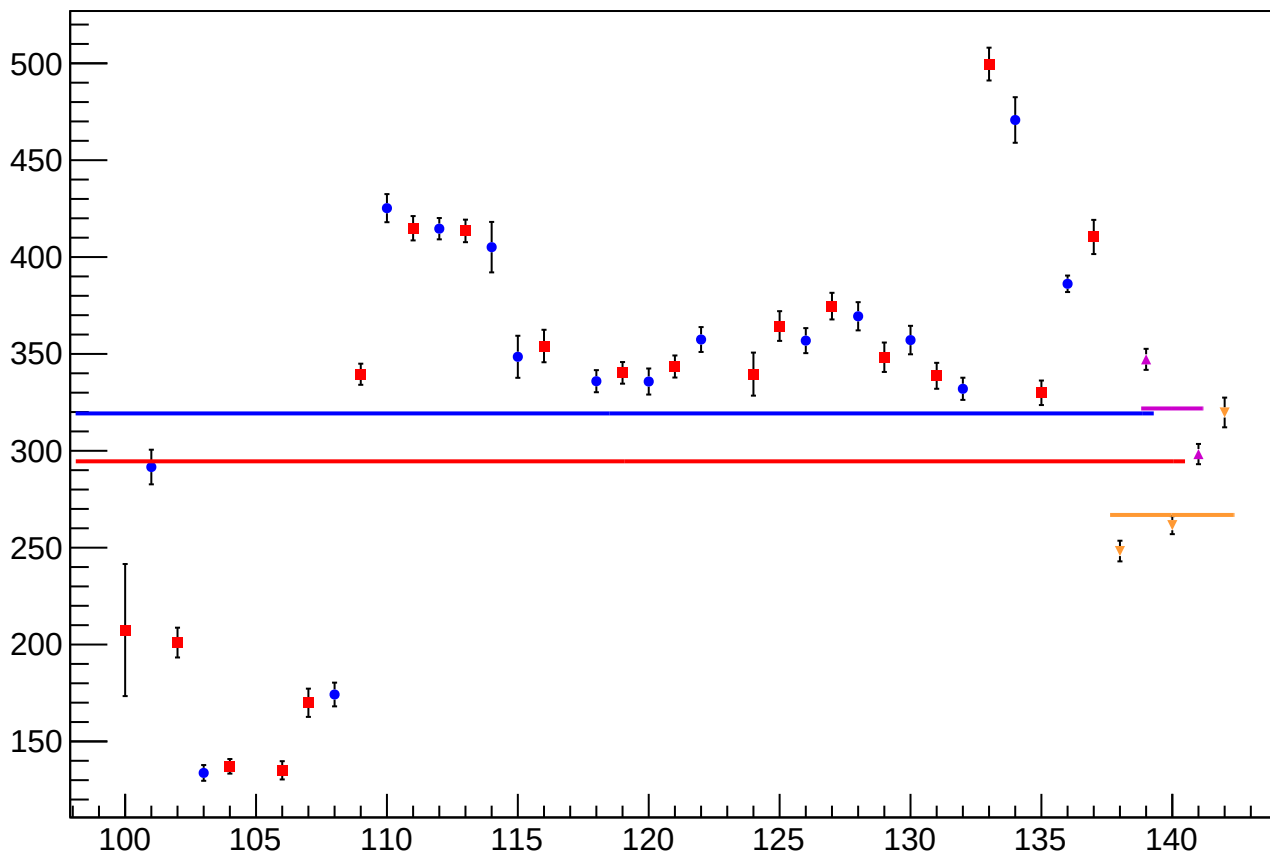
Left In: 26.337 $\pm$ 3.461 χ^2 /NDF: 0.2/1

+ sign 11.691 $\pm$ 1.276 χ^2 /NDF: 114.2/18

All: 12.778 $\pm$ 0.901 χ^2 /NDF: 242.7/39

- sign 13.860 $\pm$ 1.272 χ^2 /NDF: 127.1/20

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293 $\pm$ 1.586 χ^2/NDF : 3792.9/15

Left Out: 266.895 $\pm$ 3.187 χ^2/NDF : 61.1/2

Right Out: 294.567 $\pm$ 1.481 χ^2/NDF : 5503.2/18

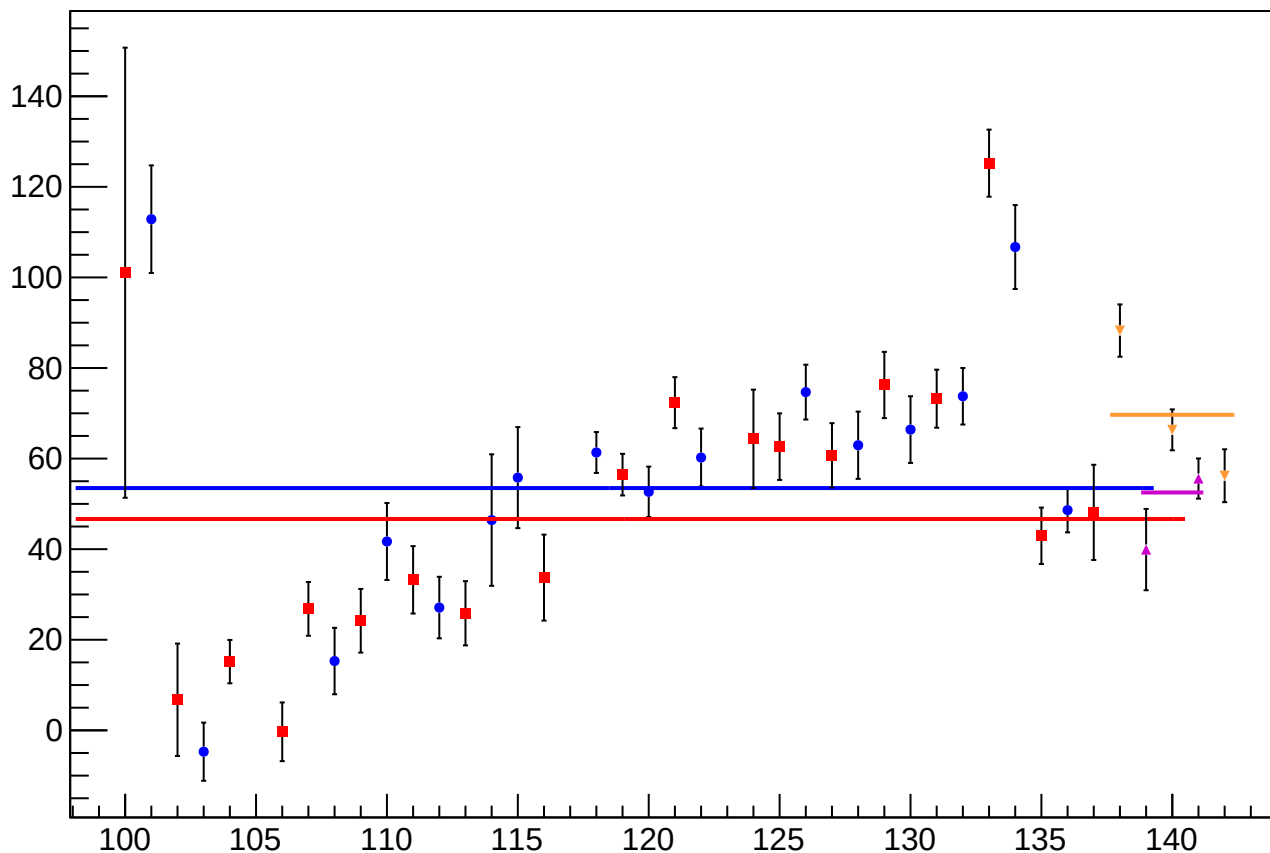
Left In: 321.852 $\pm$ 3.764 χ^2/NDF : 42.1/1

+ sign 308.889 $\pm$ 1.420 χ^2/NDF : 4070.7/18

All: 303.400 $\pm$ 0.989 χ^2/NDF : 9690.5/39

- sign 298.226 $\pm$ 1.379 χ^2/NDF : 5590.8/20

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494 $\pm$ 1.699 χ^2 /NDF: 217.2/15

Left Out: 69.671 $\pm$ 3.038 χ^2 /NDF:16.2/2

Right Out: 46.666 $\pm$ 1.593 χ^2 /NDF: 325.6/18

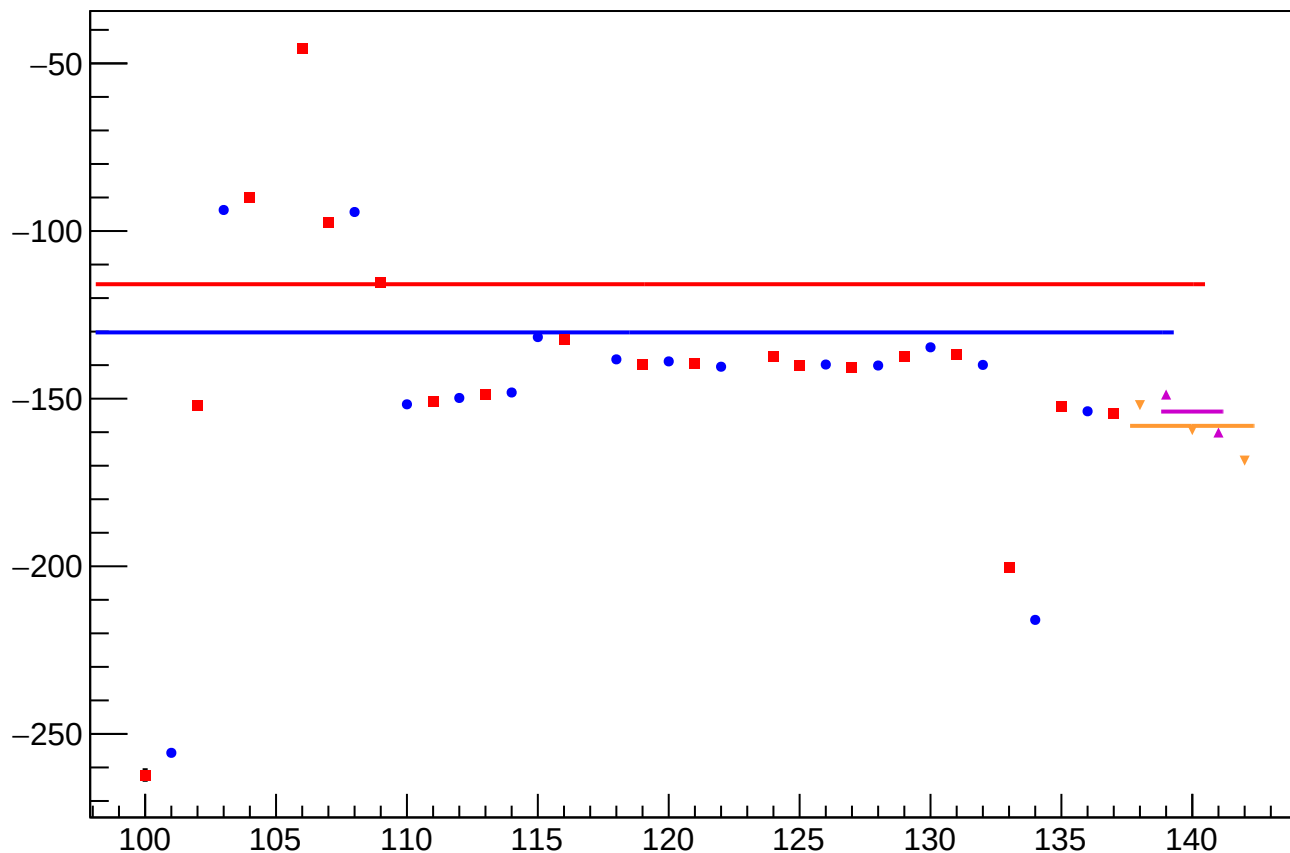
Left In: 52.518 $\pm$ 3.975 χ^2 /NDF:2.5/1

+ sign 57.348 $\pm$ 1.483 χ^2 /NDF: 255.1/18

All: 52.400 $\pm$ 1.047 χ^2 /NDF: 607.2/39

- sign 47.476 $\pm$ 1.479 χ^2 /NDF: 329.9/20

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF : 174208.5/15

Left Out: -158.111+/-0.135 χ^2/NDF : 1955.4/2

Right Out: -115.865+/-0.086 χ^2/NDF : 205899.4/18

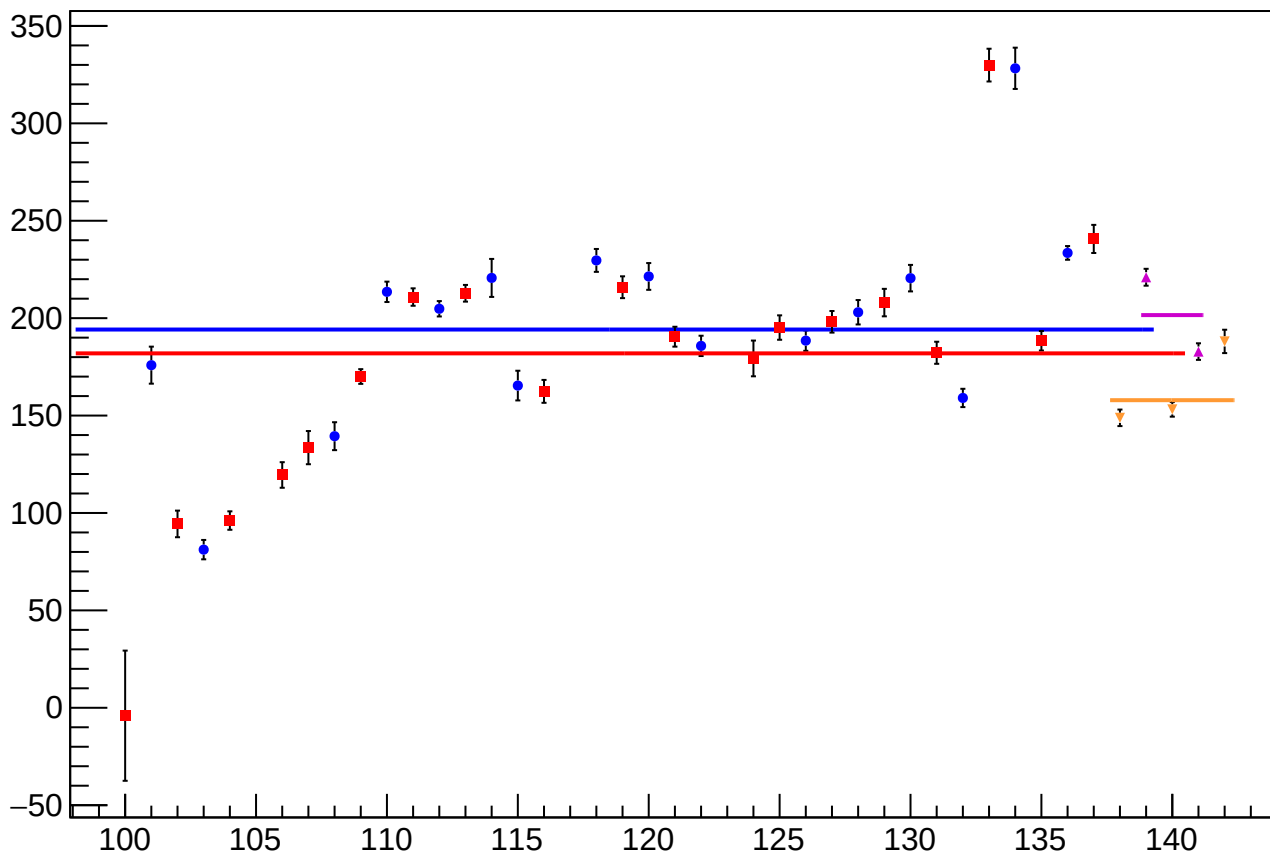
Left In: -153.848+/-0.144 χ^2/NDF : 1535.2/1

+ sign -138.986+/-0.075 χ^2/NDF : 205563.0/18

All: -132.250+/-0.053 χ^2/NDF : 480104.9/39

- sign -125.836+/-0.074 χ^2/NDF : 258979.1/20

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164 $\pm$ 1.407 χ^2 /NDF: 1035.2/15

Left Out: 157.895 $\pm$ 2.543 χ^2 /NDF:31.5/2

Right Out: 181.928 $\pm$ 1.322 χ^2 /NDF: 1204.8/18

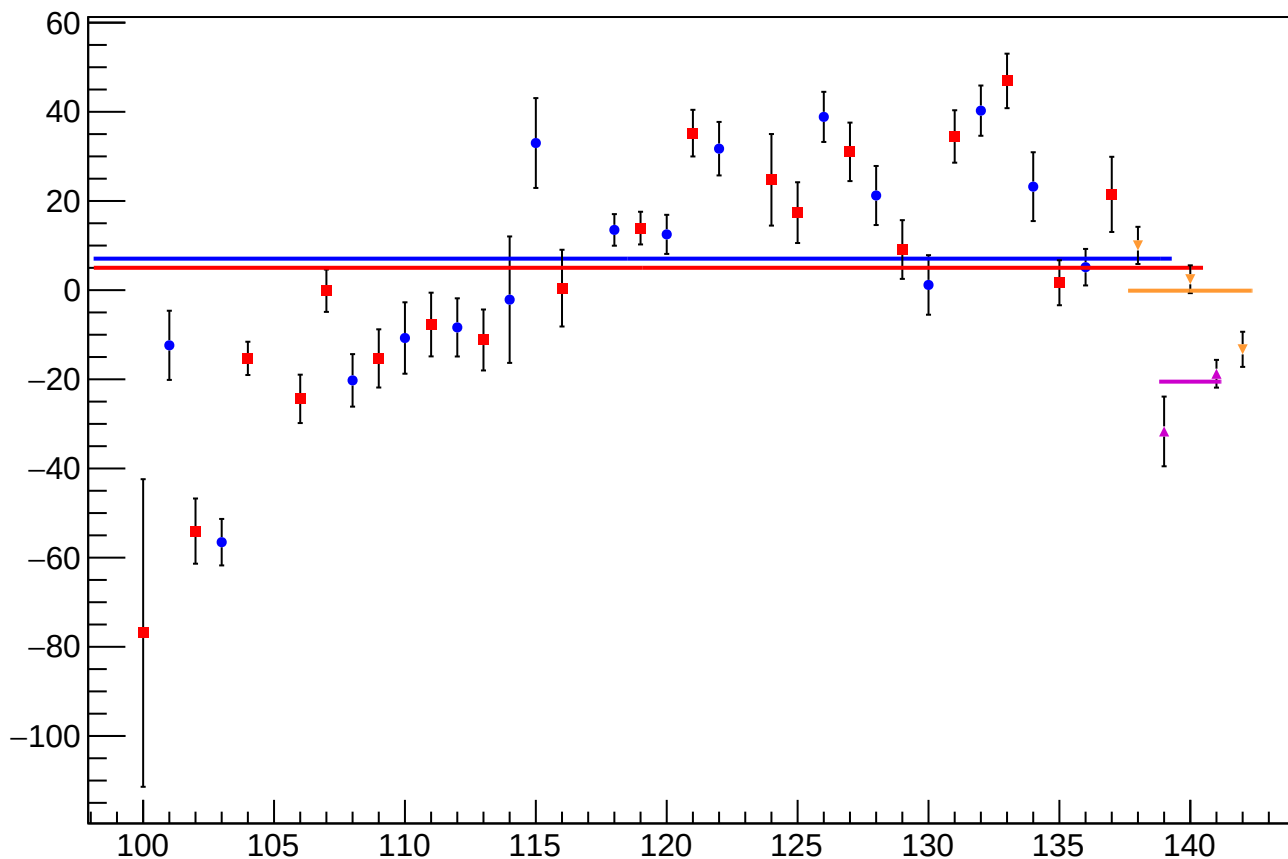
Left In: 201.574 $\pm$ 3.037 χ^2 /NDF:39.5/1

+ sign 185.668 $\pm$ 1.231 χ^2 /NDF: 1222.4/18

All: 185.358 $\pm$ 0.864 χ^2 /NDF: 2502.0/39

- sign 185.057 $\pm$ 1.212 χ^2 /NDF: 1279.5/20

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066 ± 1.443 χ^2/NDF : 292.6/15

Left Out: -0.118 ± 2.109 χ^2/NDF : 17.8/2

Right Out: 5.015 ± 1.355 χ^2/NDF : 288.5/18

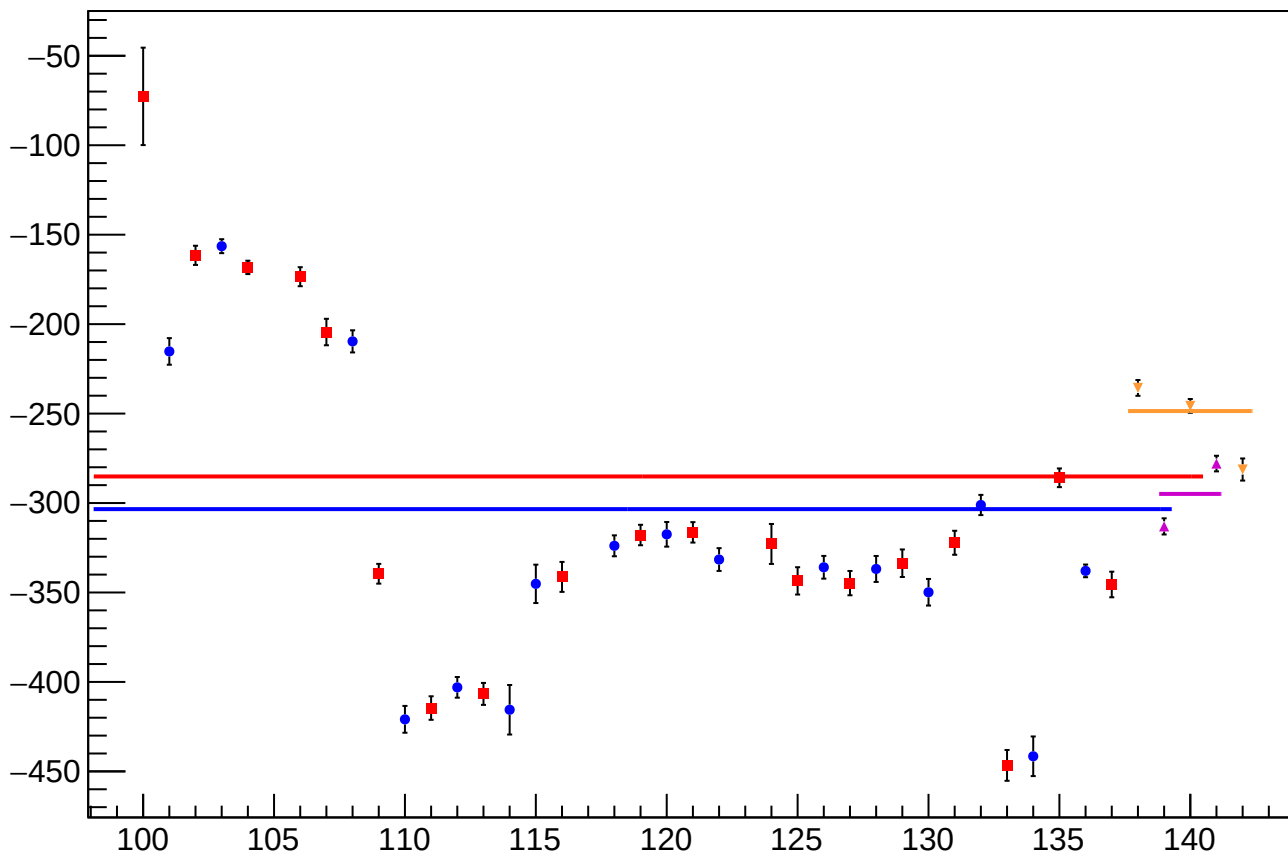
Left In: -20.524 ± 2.892 χ^2/NDF : 2.4/1

+ sign 4.775 ± 1.191 χ^2/NDF : 318.2/18

All: 2.662 ± 0.854 χ^2/NDF : 679.6/39

- sign 0.418 ± 1.227 χ^2/NDF : 354.9/20

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408 ± 1.530 χ^2/NDF : 2785.5/15

Left Out: -248.584 ± 2.630 χ^2/NDF : 37.0/2

Right Out: -285.148 ± 1.451 χ^2/NDF : 3754.8/18

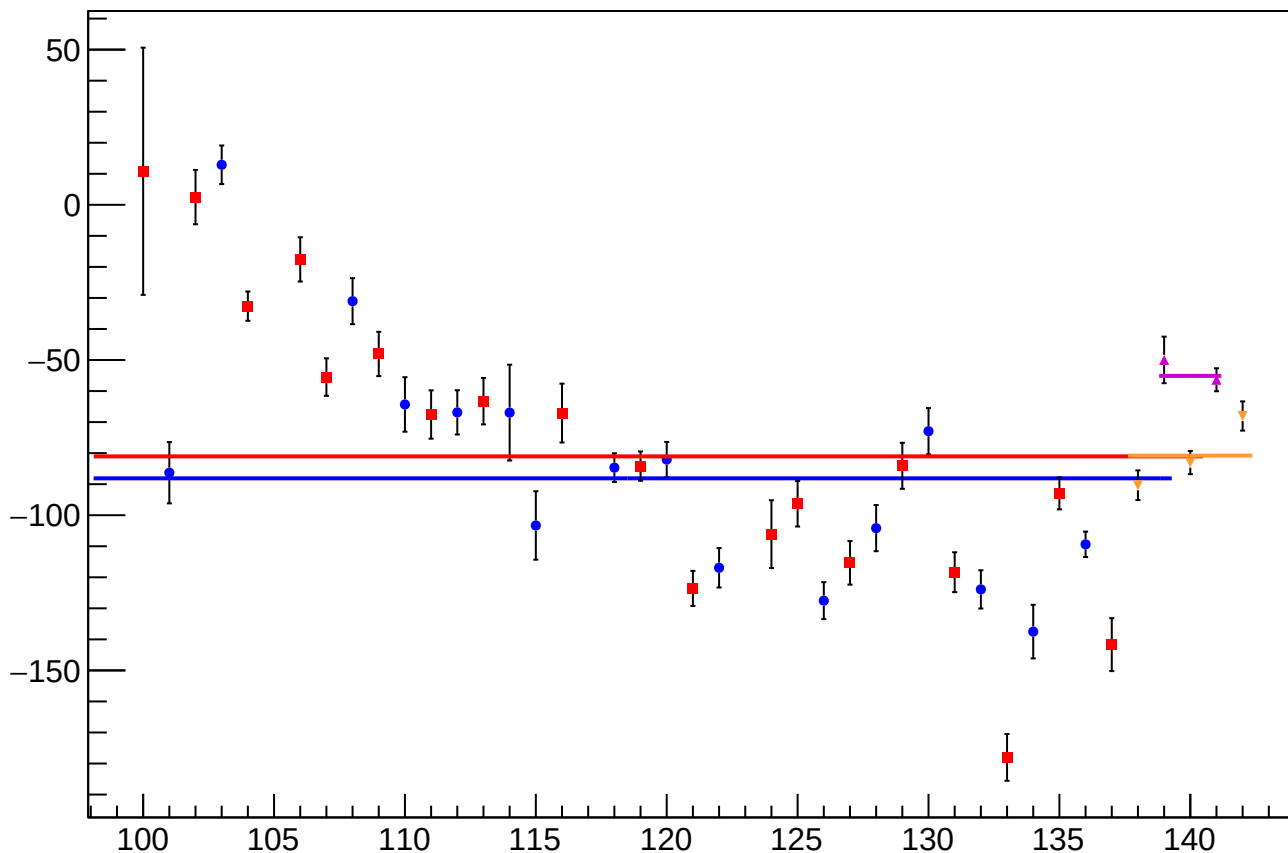
Left In: -294.903 ± 3.139 χ^2/NDF : 31.2/1

+ sign -289.545 ± 1.323 χ^2/NDF : 3147.2/18

All: -288.200 ± 0.933 χ^2/NDF : 6943.3/39

- sign -286.865 ± 1.317 χ^2/NDF : 3794.0/20

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119 ± 1.655 $\chi^2/\text{NDF}: 511.9/15$

Left Out: -80.798 ± 2.499 $\chi^2/\text{NDF}: 11.7/2$

Right Out: -81.046 ± 1.569 $\chi^2/\text{NDF}: 677.5/18$

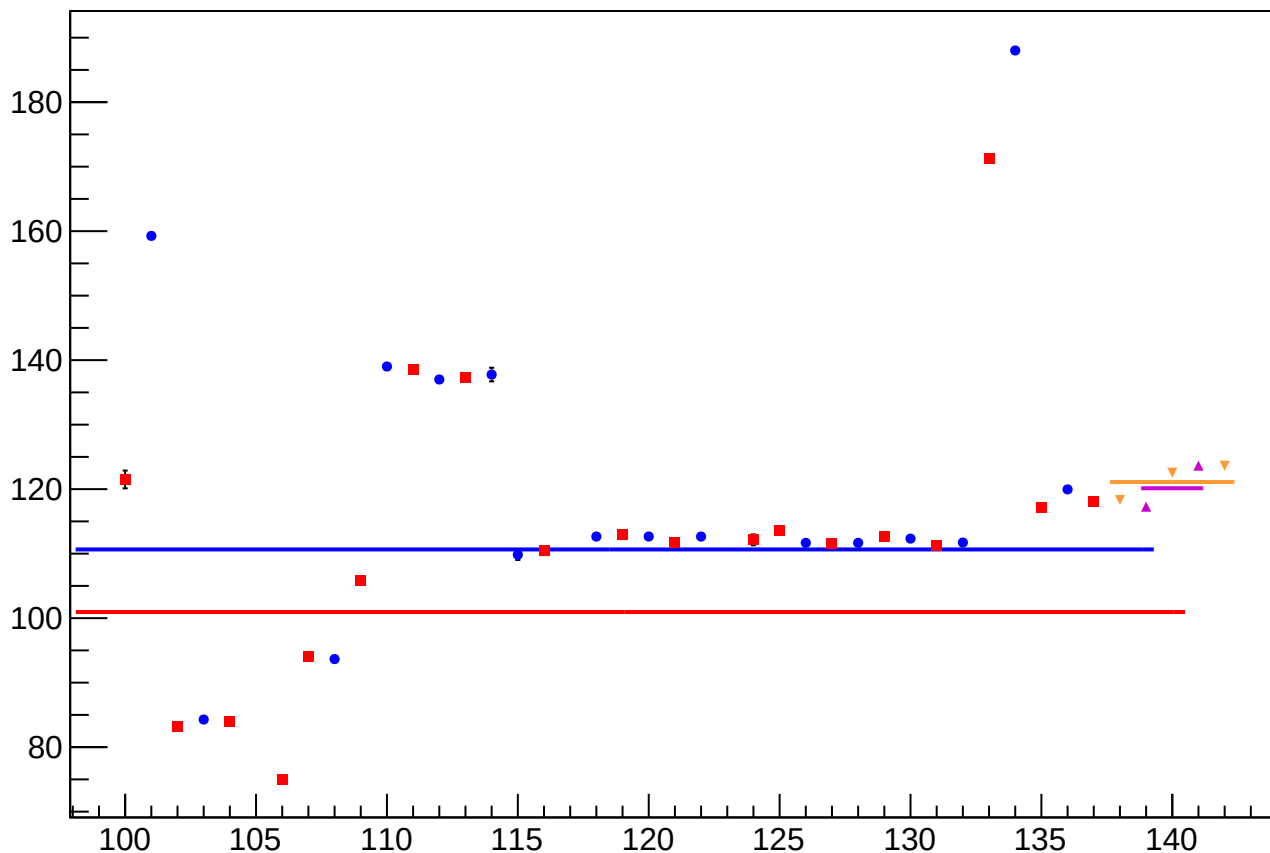
Left In: -55.104 ± 3.320 $\chi^2/\text{NDF}: 0.6/1$

+ sign -85.887 ± 1.380 $\chi^2/\text{NDF}: 529.6/18$

All: -81.231 ± 0.989 $\chi^2/\text{NDF}: 1281.0/39$

- sign -76.311 ± 1.418 $\chi^2/\text{NDF}: 728.0/20$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651 $\pm$ 0.086 χ^2 /NDF: 83521.8/15

Left Out: 121.107 $\pm$ 0.111 χ^2 /NDF:413.6/2

Right Out: 100.949 $\pm$ 0.081 χ^2 /NDF: 62002.4/18

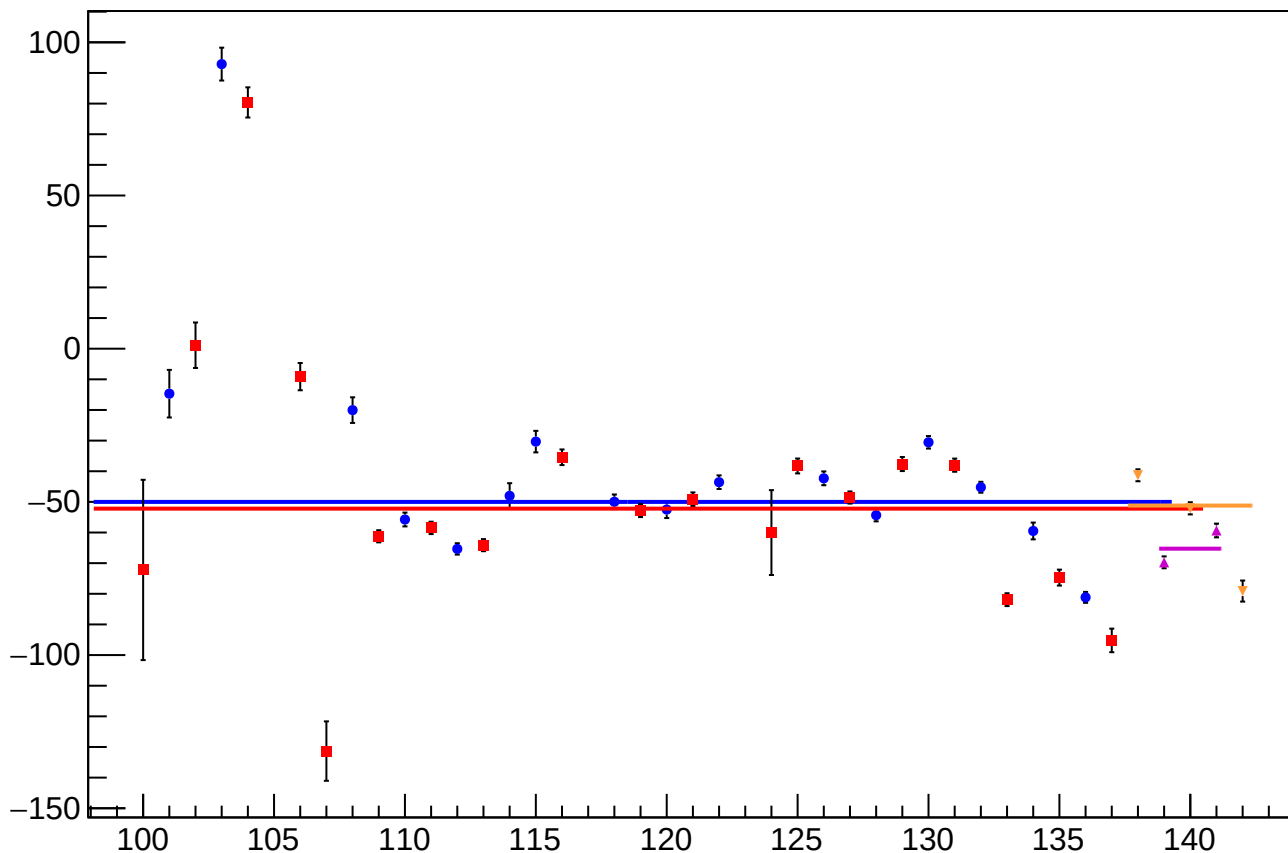
Left In: 120.138 $\pm$ 0.120 χ^2 /NDF:695.1/1

+ sign 114.560 $\pm$ 0.068 χ^2 /NDF: 89485.8/18

All: 110.714 $\pm$ 0.048 χ^2 /NDF: 176111.3/39

- sign 106.959 $\pm$ 0.067 χ^2 /NDF: 80285.2/20

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008 ± 0.610 χ^2/NDF : 1327.4/15

Left Out: -51.206 ± 1.292 χ^2/NDF : 91.7/2

Right Out: -52.207 ± 0.605 χ^2/NDF : 1570.3/18

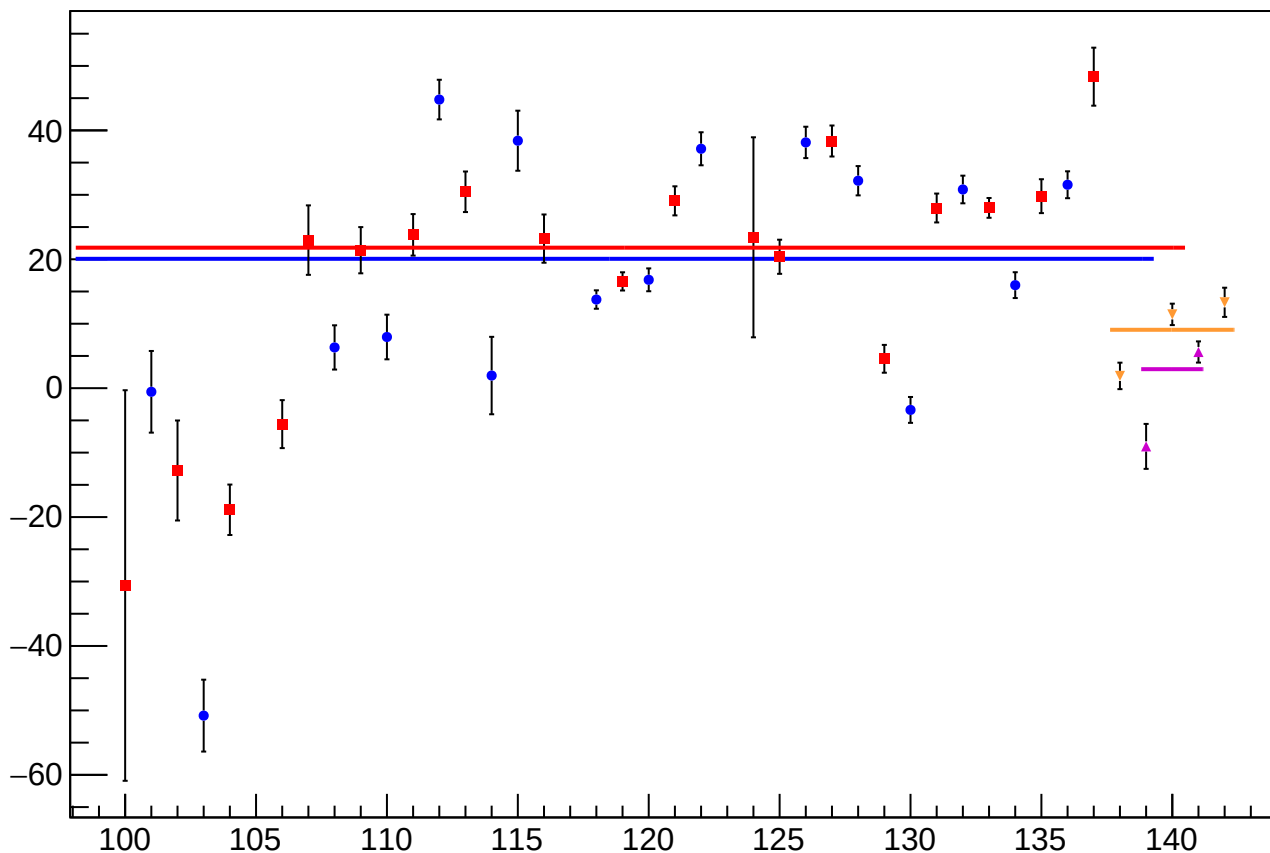
Left In: -65.274 ± 1.467 χ^2/NDF : 12.3/1

+ sign -50.226 ± 0.552 χ^2/NDF : 1419.8/18

All: -52.140 ± 0.393 χ^2/NDF : 3094.6/39

- sign -54.107 ± 0.559 χ^2/NDF : 1650.4/20

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072 $\pm$ 0.612 χ^2 /NDF: 636.2/15

Left Out: 9.059 $\pm$ 1.122 χ^2 /NDF: 17.7/2

Right Out: 21.800 $\pm$ 0.622 χ^2 /NDF: 396.3/18

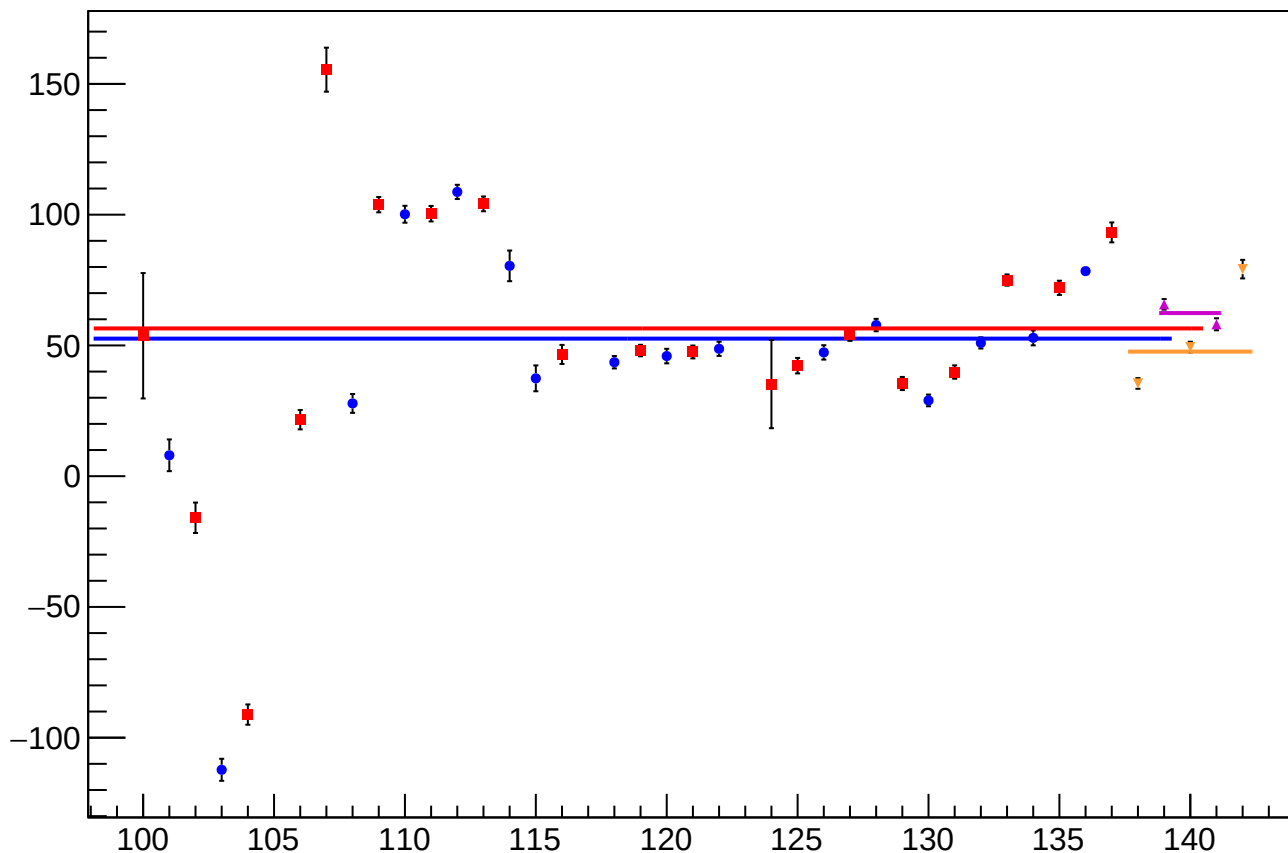
Left In: 2.948 $\pm$ 1.488 χ^2 /NDF: 14.4/1

+ sign 17.548 $\pm$ 0.537 χ^2 /NDF: 728.2/18

All: 18.224 $\pm$ 0.392 χ^2 /NDF: 1279.0/39

- sign 18.995 $\pm$ 0.574 χ^2 /NDF: 547.4/20

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605 ± 0.696 χ^2/NDF : 2659.4/15

Left Out: 47.640 ± 1.338 χ^2/NDF : 115.5/2

Right Out: 56.499 ± 0.705 χ^2/NDF : 2965.5/18

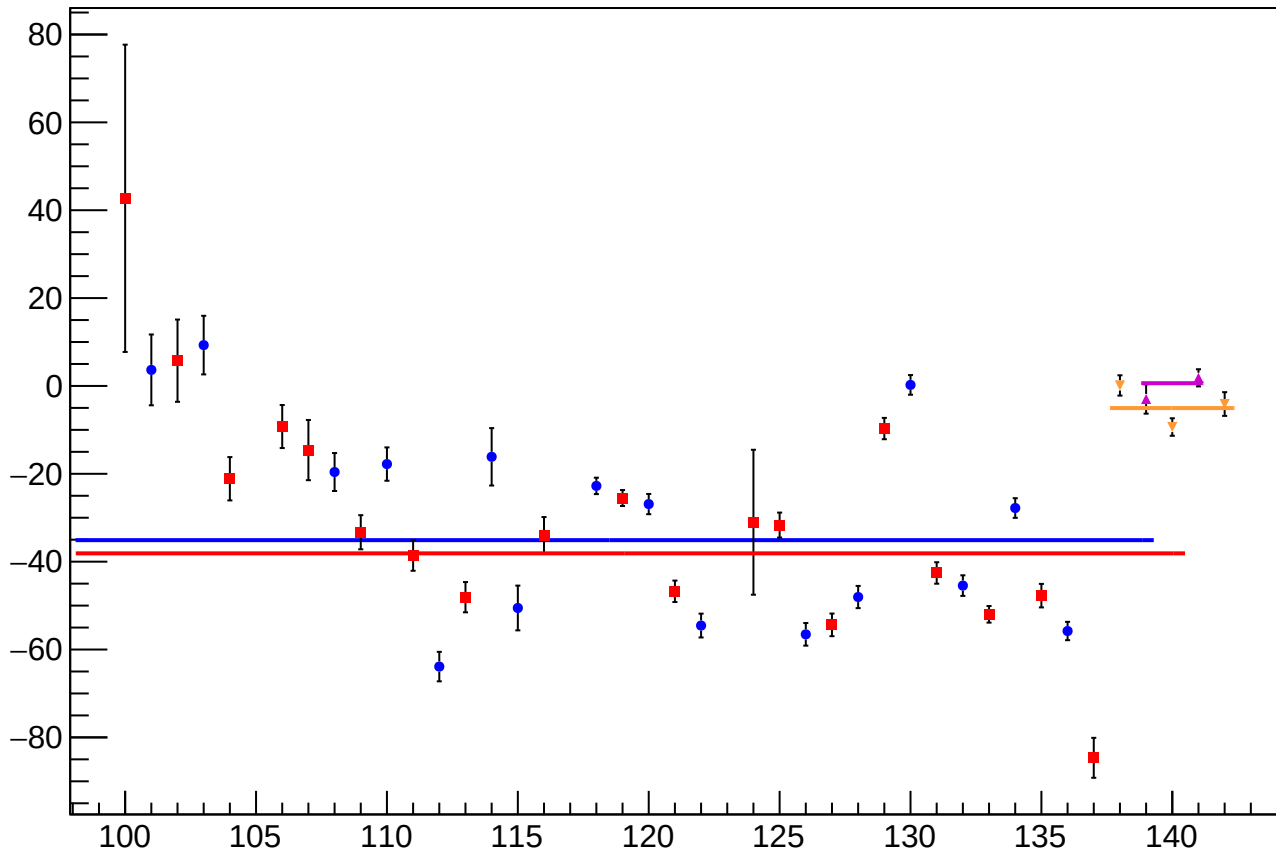
Left In: 62.378 ± 1.519 χ^2/NDF : 6.2/1

+ sign 51.547 ± 0.618 χ^2/NDF : 2785.7/18

All: 54.439 ± 0.444 χ^2/NDF : 5815.2/39

- sign 57.542 ± 0.640 χ^2/NDF : 2984.0/20

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104 ± 0.700 χ^2/NDF : 773.2/15

Left Out: -5.037 ± 1.317 χ^2/NDF : 9.8/2

Right Out: -38.109 ± 0.714 χ^2/NDF : 514.6/18

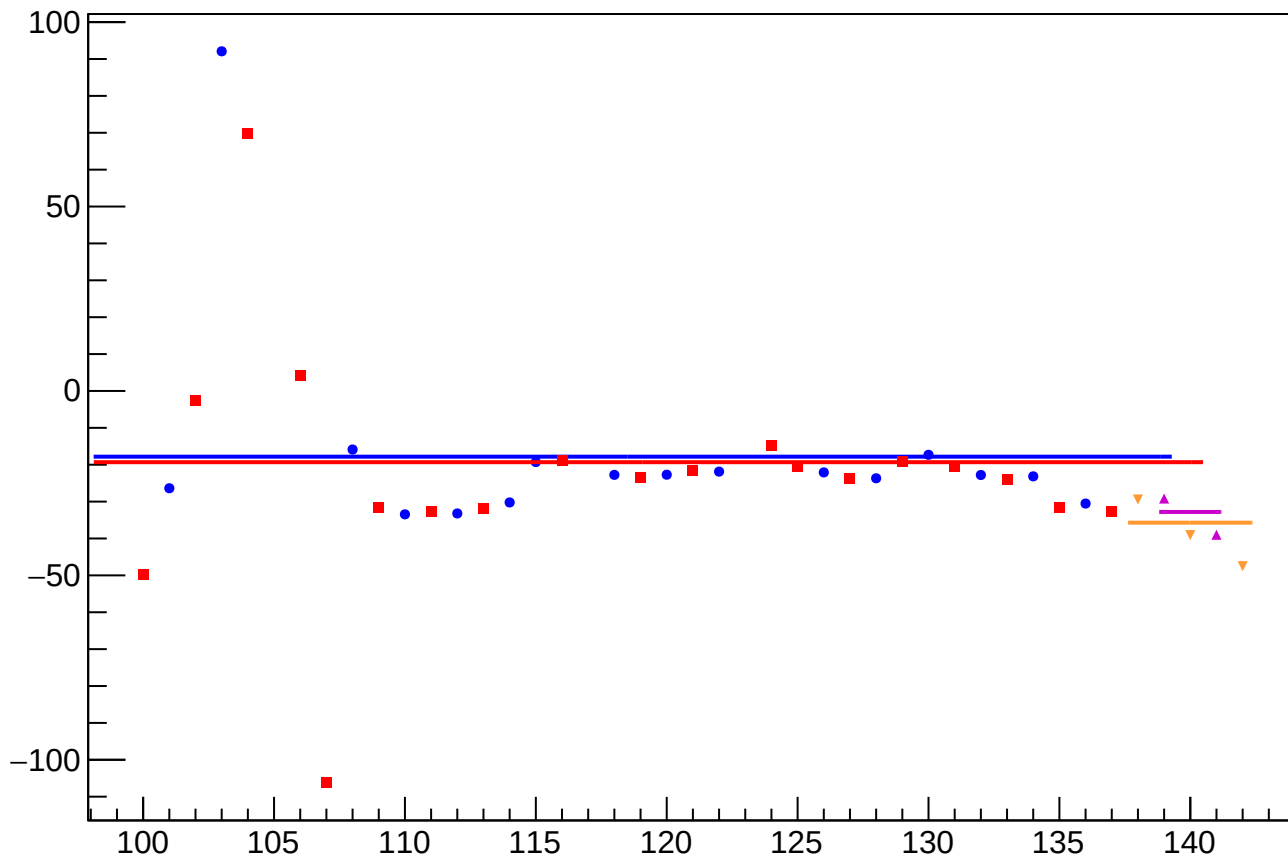
Left In: 0.627 ± 1.686 χ^2/NDF : 1.5/1

+ sign -28.481 ± 0.618 χ^2/NDF : 1189.2/18

All: -30.236 ± 0.450 χ^2/NDF : 2170.2/39

- sign -32.220 ± 0.657 χ^2/NDF : 963.8/20

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817 ± 0.043 $\chi^2/\text{NDF}: 426105.1/15$

Left Out: -35.710 ± 0.056 $\chi^2/\text{NDF}: 14123.4/2$

Right Out: -19.311 ± 0.046 $\chi^2/\text{NDF}: 344626.7/18$

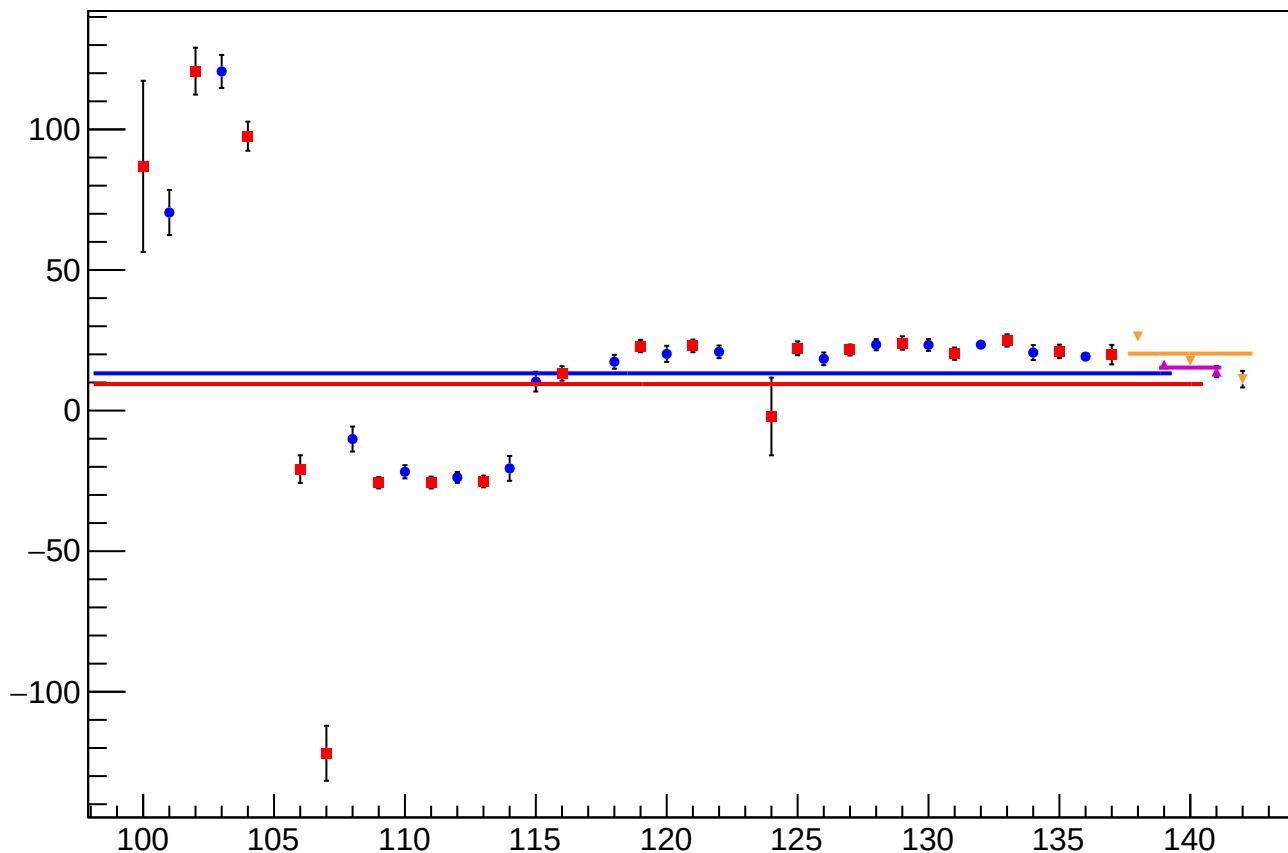
Left In: -32.803 ± 0.057 $\chi^2/\text{NDF}: 6893.2/1$

+ sign -24.555 ± 0.034 $\chi^2/\text{NDF}: 504736.2/18$

All: -24.592 ± 0.025 $\chi^2/\text{NDF}: 890066.3/39$

- sign -24.633 ± 0.036 $\chi^2/\text{NDF}: 385327.7/20$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250 $\pm$ 0.615 χ^2 /NDF: 1182.5/15

Left Out: 20.271 $\pm$ 1.151 χ^2 /NDF:23.2/2

Right Out: 9.450 $\pm$ 0.615 χ^2 /NDF: 1836.6/18

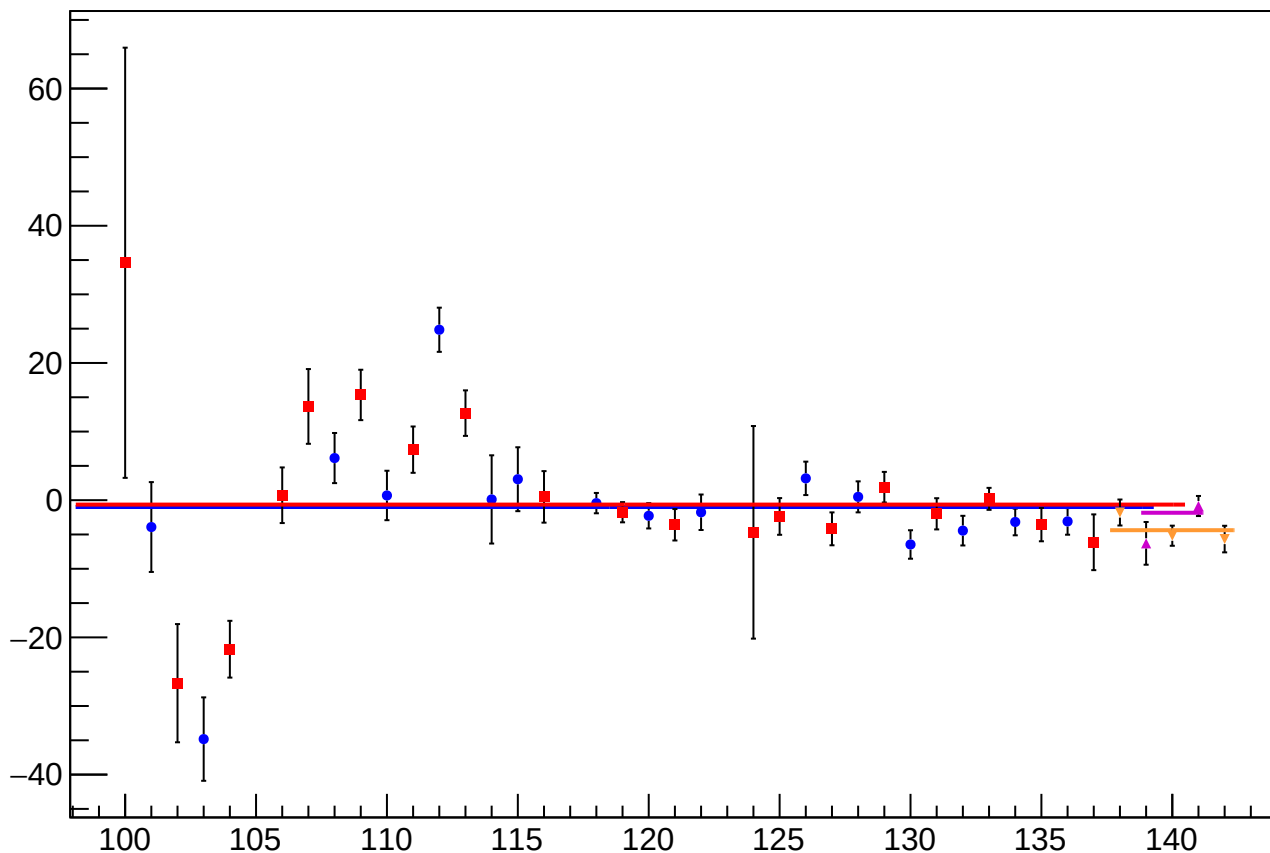
Left In: 15.305 $\pm$ 1.303 χ^2 /NDF:0.9/1

+ sign 14.809 $\pm$ 0.542 χ^2 /NDF: 1234.7/18

All: 12.718 $\pm$ 0.388 χ^2 /NDF: 3119.3/39

- sign 10.517 $\pm$ 0.556 χ^2 /NDF: 1854.1/20

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993 ± 0.619 χ^2/NDF : 116.3/15

Left Out: -4.376 ± 0.995 χ^2/NDF : 2.6/2

Right Out: -0.644 ± 0.636 χ^2/NDF : 94.2/18

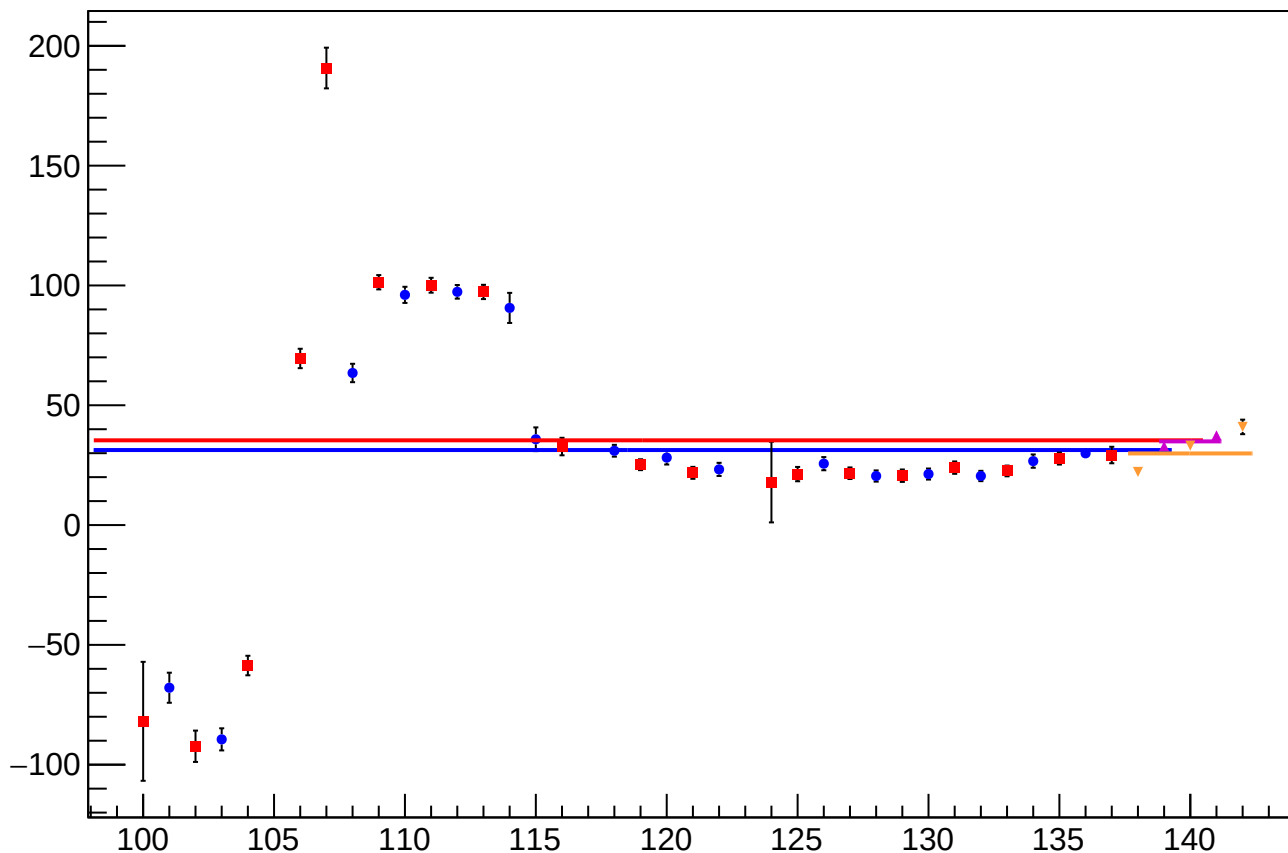
Left In: -1.835 ± 1.325 χ^2/NDF : 2.5/1

+ sign -1.938 ± 0.526 χ^2/NDF : 127.3/18

All: -1.449 ± 0.387 χ^2/NDF : 226.6/39

- sign -0.867 ± 0.573 χ^2/NDF : 97.4/20

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310 $\pm$ 0.700 χ^2 /NDF: 2085.9/15

Left Out: 29.890 $\pm$ 1.191 χ^2 /NDF:33.8/2

Right Out: 35.366 $\pm$ 0.717 χ^2 /NDF: 2897.7/18

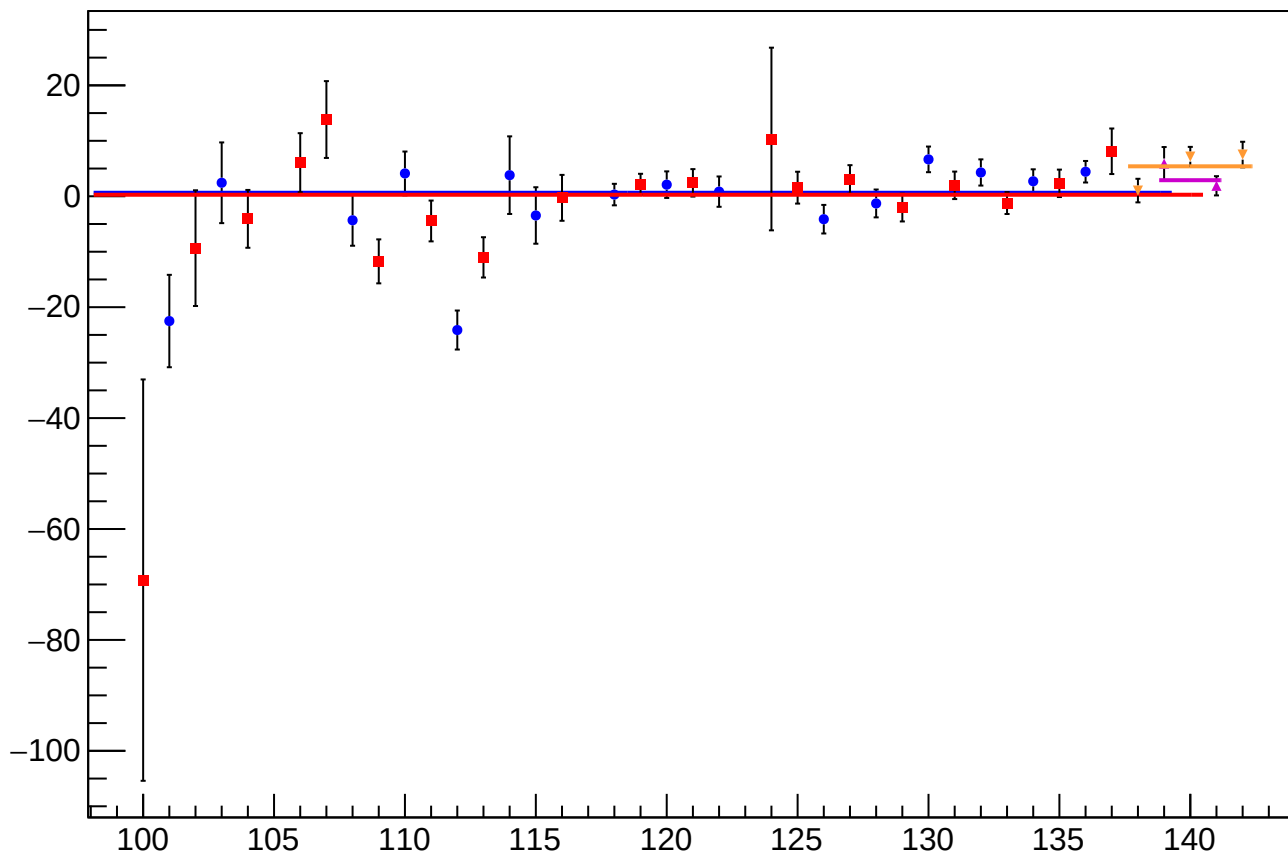
Left In: 34.923 $\pm$ 1.348 χ^2 /NDF:2.8/1

+ sign 30.945 $\pm$ 0.604 χ^2 /NDF: 2120.7/18

All: 33.004 $\pm$ 0.437 χ^2 /NDF: 5045.6/39

- sign 35.268 $\pm$ 0.633 χ^2 /NDF: 2900.5/20

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632 ± 0.705 χ^2/NDF : 78.4/15

Left Out: 5.400 ± 1.167 χ^2/NDF : 6.1/2

Right Out: 0.274 ± 0.726 χ^2/NDF : 40.5/18

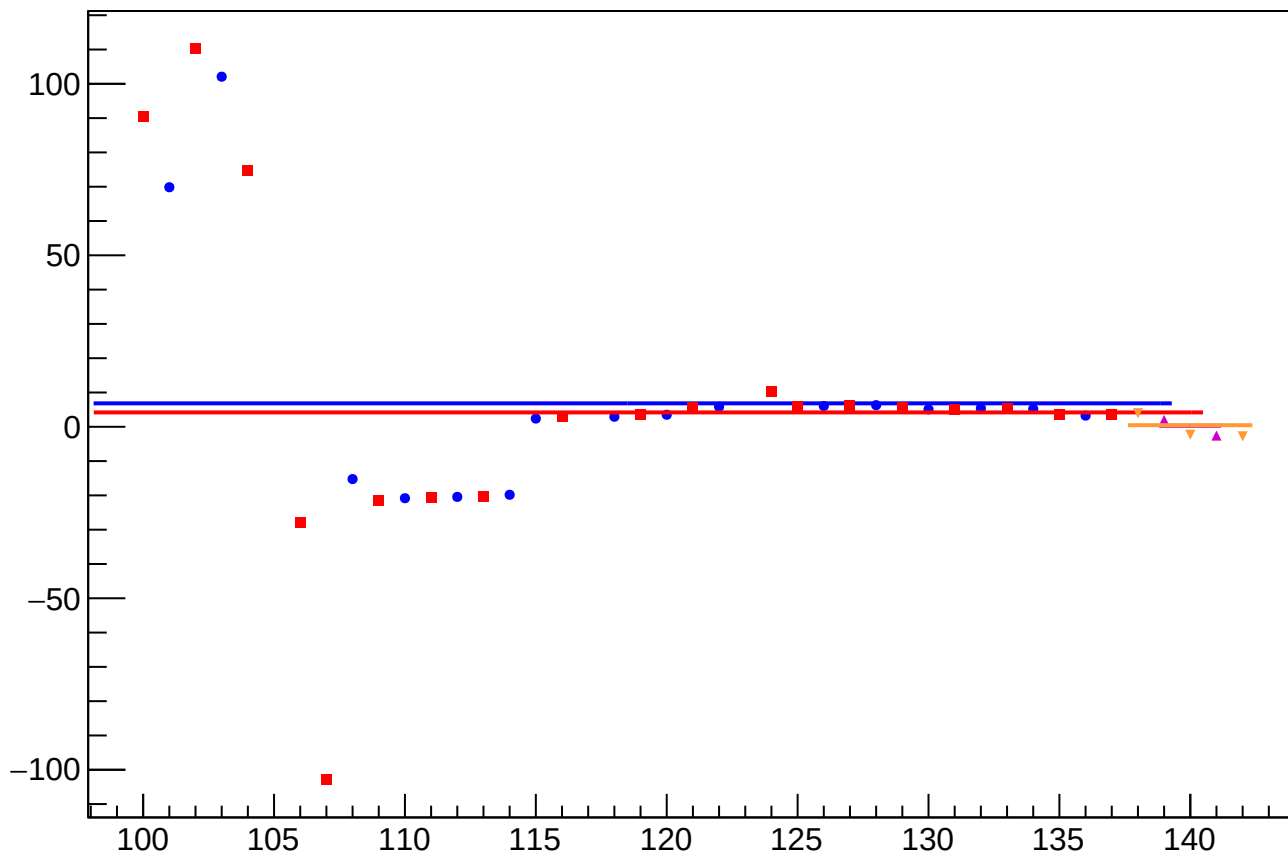
Left In: 2.898 ± 1.501 χ^2/NDF : 1.3/1

+ sign 1.906 ± 0.603 χ^2/NDF : 96.7/18

All: 1.384 ± 0.443 χ^2/NDF : 142.6/39

- sign 0.772 ± 0.654 χ^2/NDF : 44.3/20

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838 ± 0.043 $\chi^2/\text{NDF}: 320954.7/15$

Left Out: 0.465 ± 0.049 $\chi^2/\text{NDF}: 4189.9/2$

Right Out: 4.190 ± 0.046 $\chi^2/\text{NDF}: 434546.8/18$

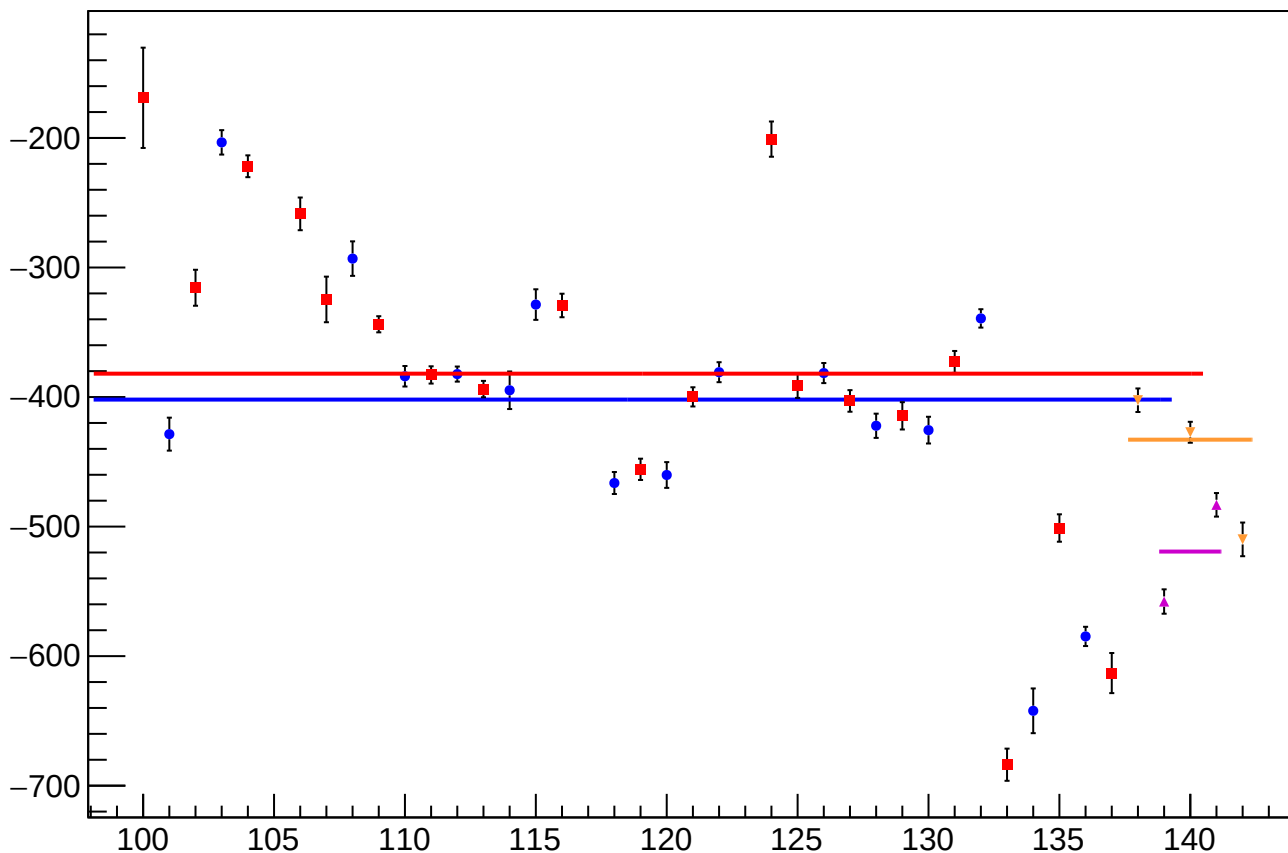
Left In: 0.295 ± 0.051 $\chi^2/\text{NDF}: 1883.7/1$

+ sign 4.105 ± 0.032 $\chi^2/\text{NDF}: 334631.1/18$

All: 3.311 ± 0.024 $\chi^2/\text{NDF}: 775546.0/39$

- sign 2.424 ± 0.034 $\chi^2/\text{NDF}: 439640.9/20$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961 ± 2.236 χ^2/NDF : 1563.3/15

Left Out: -432.901 ± 5.478 χ^2/NDF : 46.8/2

Right Out: -381.949 ± 2.124 χ^2/NDF : 1817.4/18

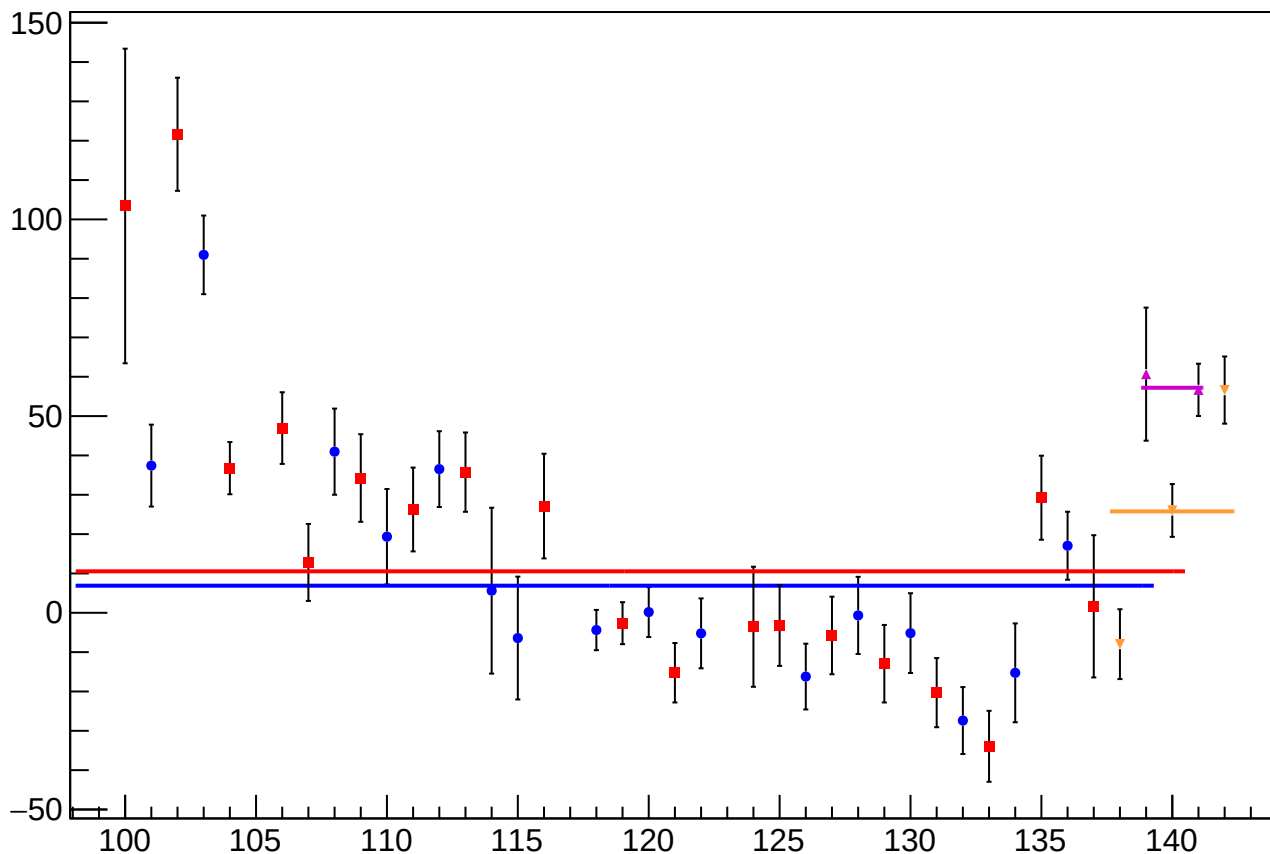
Left In: -519.277 ± 6.539 χ^2/NDF : 32.5/1

+ sign -406.380 ± 2.070 χ^2/NDF : 1637.4/18

All: -400.582 ± 1.446 χ^2/NDF : 3901.6/39

- sign -395.060 ± 2.020 χ^2/NDF : 2248.9/20

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889 ± 2.264 χ^2/NDF : 138.4/15

Left Out: 25.781 ± 4.534 χ^2/NDF : 27.5/2

Right Out: 10.544 ± 2.197 χ^2/NDF : 180.0/18

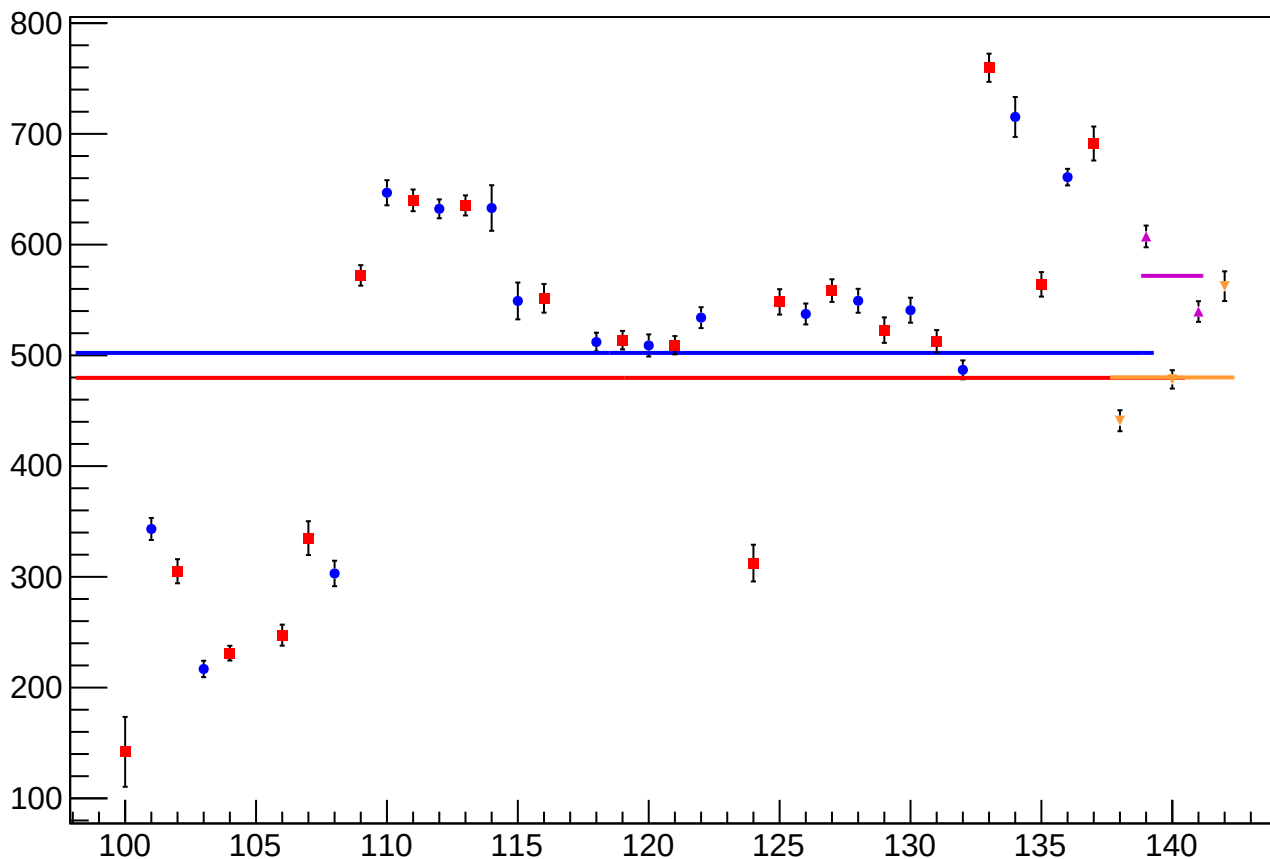
Left In: 57.205 ± 6.184 χ^2/NDF : 0.0/1

+ sign 10.660 ± 2.026 χ^2/NDF : 179.8/18

All: 13.161 ± 1.448 χ^2/NDF : 413.6/39

- sign 15.774 ± 2.070 χ^2/NDF : 230.6/20

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213 $\pm$ 2.493 χ^2 /NDF: 3135.2/15

Left Out: 480.038 $\pm$ 5.664 χ^2 /NDF: 54.8/2

Right Out: 479.679 $\pm$ 2.399 χ^2 /NDF: 4138.5/18

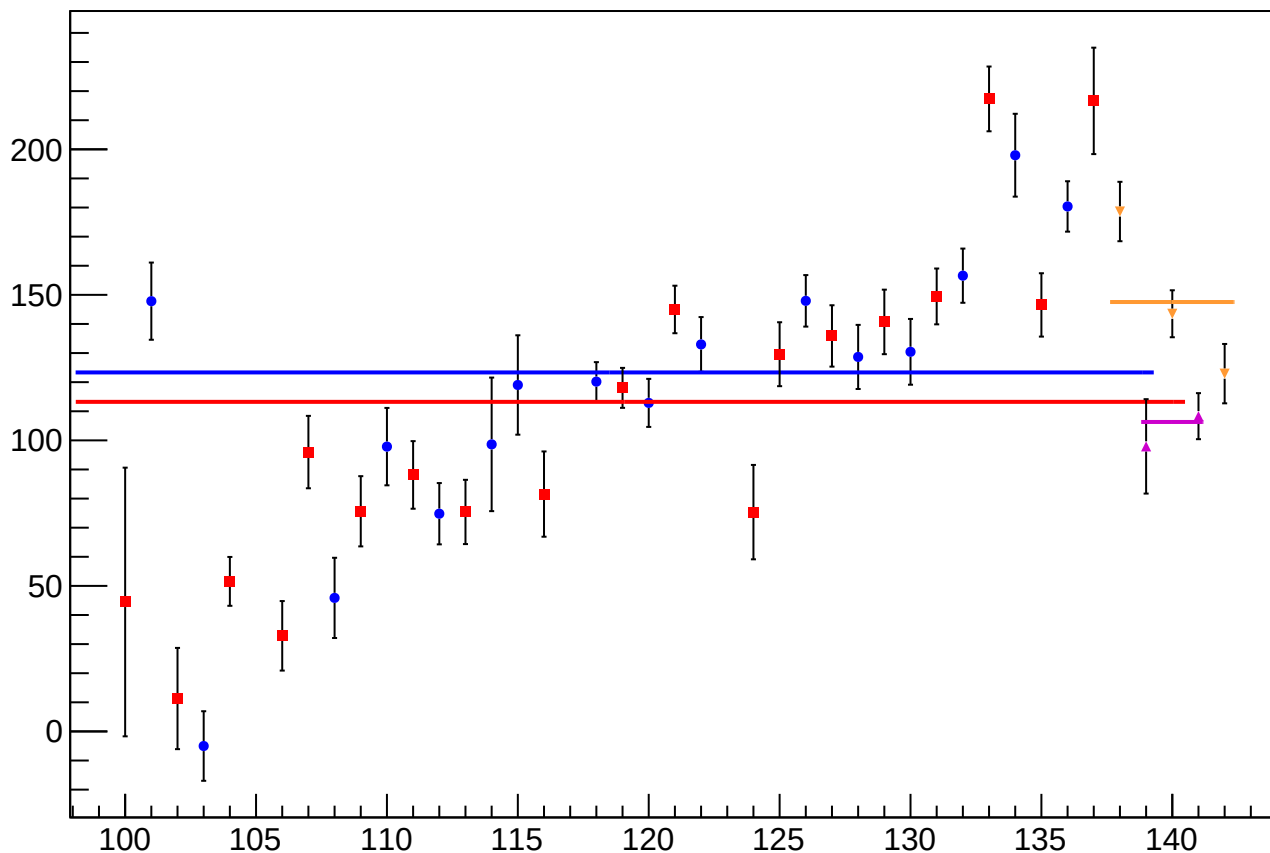
Left In: 571.807 $\pm$ 6.759 χ^2 /NDF: 25.1/1

+ sign 498.615 $\pm$ 2.282 χ^2 /NDF: 3202.8/18

All: 494.262 $\pm$ 1.606 χ^2 /NDF: 7538.7/39

- sign 489.987 $\pm$ 2.261 χ^2 /NDF: 4328.6/20

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344 +/- 2.627 χ^2/NDF : 271.4/15

Left Out: 147.539 +/- 5.378 χ^2/NDF : 15.4/2

Right Out: 113.235 +/- 2.545 χ^2/NDF : 345.8/18

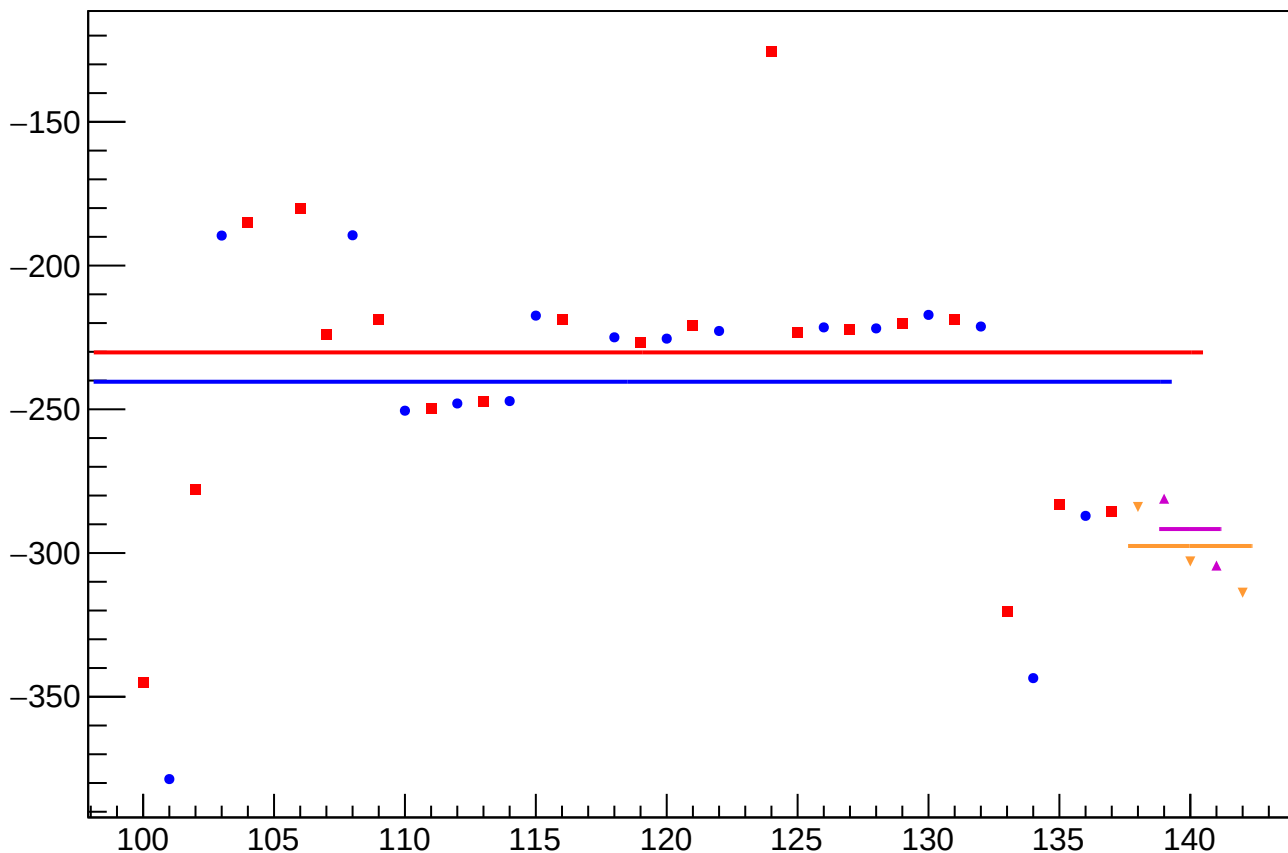
Left In: 106.323 +/- 7.110 χ^2/NDF : 0.3/1

+ sign 128.004 +/- 2.361 χ^2/NDF : 303.1/18

All: 120.343 +/- 1.682 χ^2/NDF : 671.4/39

- sign 112.450 +/- 2.396 χ^2/NDF : 346.9/20

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411 ± 0.151 χ^2/NDF : 134152.1/15

Left Out: -297.548 ± 0.240 χ^2/NDF : 2340.8/2

Right Out: -230.207 ± 0.146 χ^2/NDF : 83431.4/18

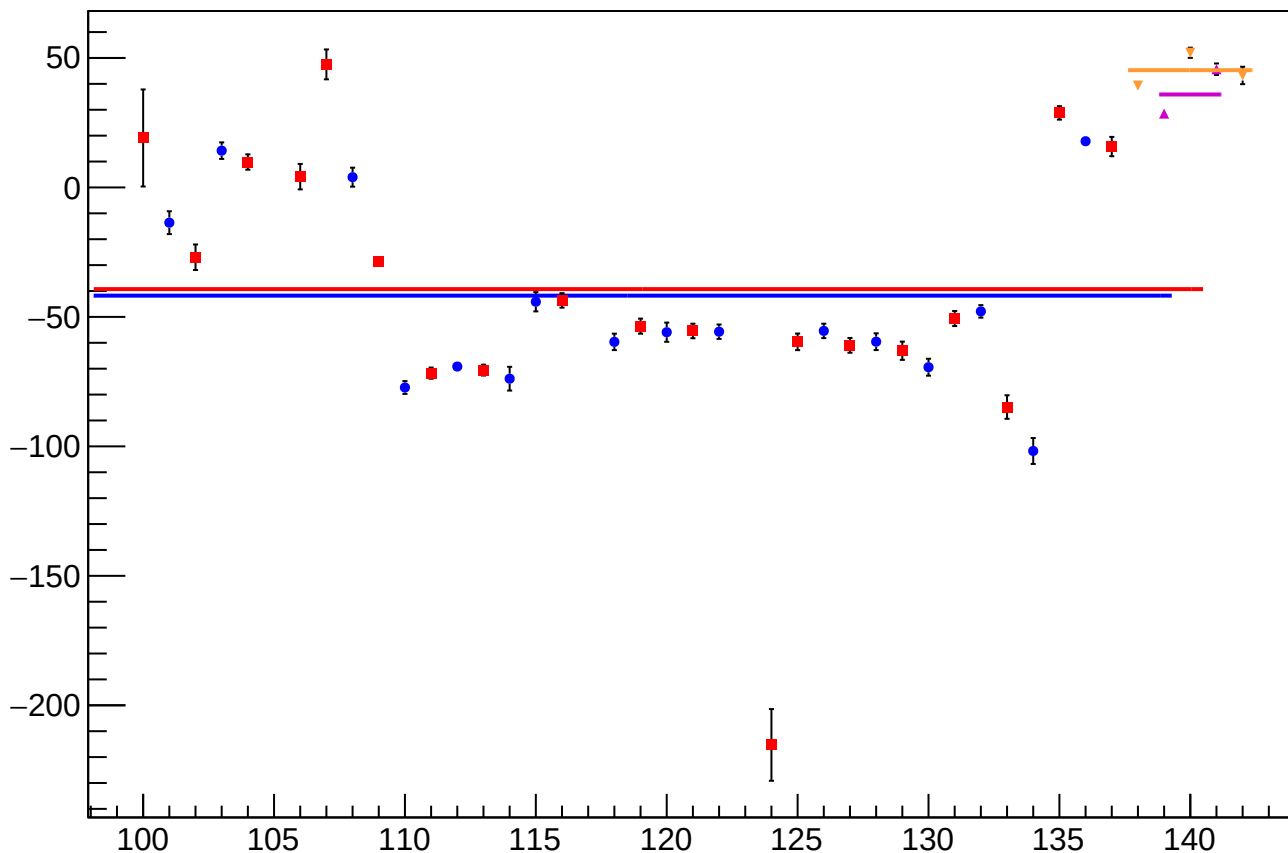
Left In: -291.654 ± 0.258 χ^2/NDF : 2010.9/1

+ sign -256.588 ± 0.128 χ^2/NDF : 177237.4/18

All: -250.872 ± 0.090 χ^2/NDF : 309523.6/39

- sign -245.165 ± 0.127 χ^2/NDF : 128271.4/20

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788 ± 0.723 χ^2/NDF : 2405.5/15

Left Out: 45.280 ± 1.280 χ^2/NDF : 21.5/2

Right Out: -39.263 ± 0.680 χ^2/NDF : 2478.3/18

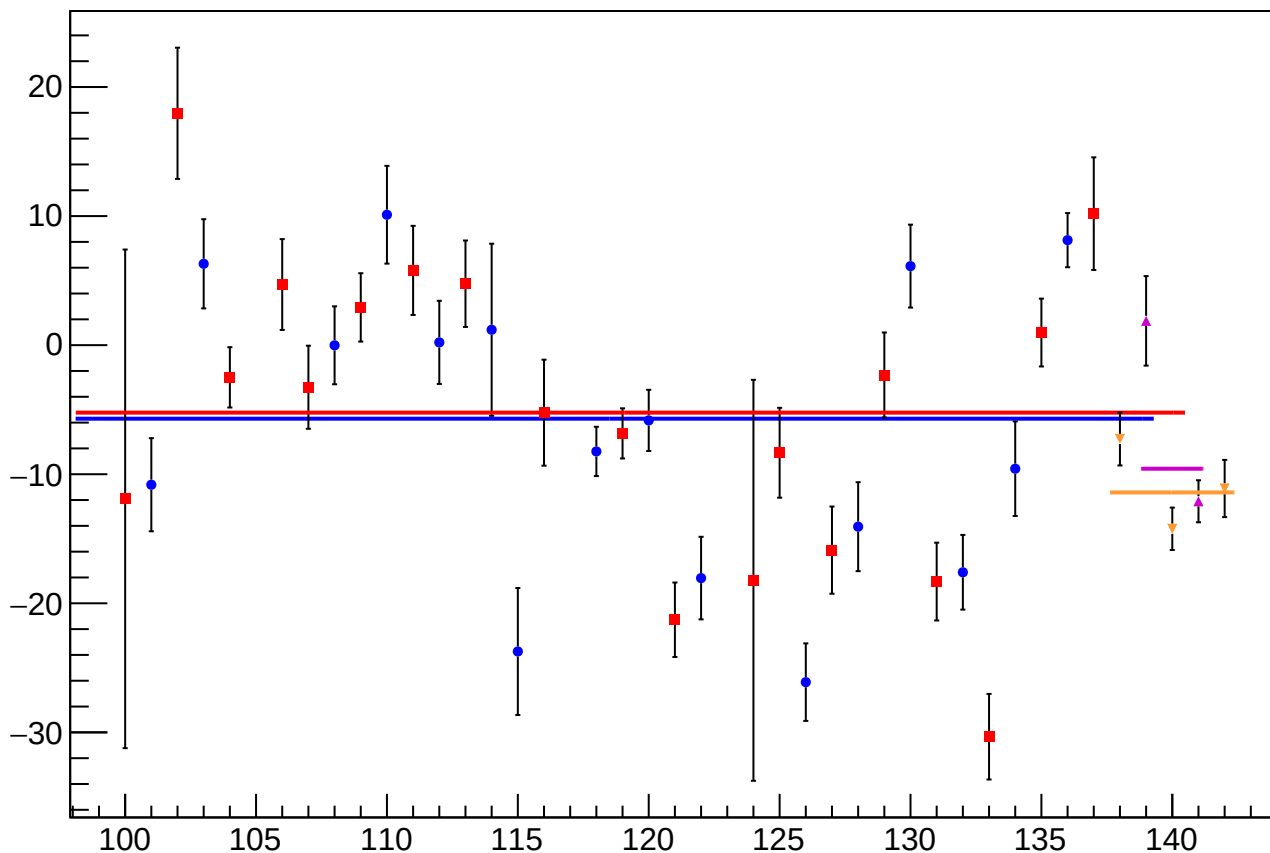
Left In: 35.899 ± 1.453 χ^2/NDF : 34.1/1

+ sign -20.712 ± 0.630 χ^2/NDF : 5936.1/18

All: -23.297 ± 0.440 χ^2/NDF : 10677.2/39

- sign -25.769 ± 0.616 χ^2/NDF : 4708.2/20

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697 ± 0.753 χ^2/NDF : 196.7/15

Left Out: -11.411 ± 1.110 χ^2/NDF : 7.0/2

Right Out: -5.227 ± 0.740 χ^2/NDF : 197.3/18

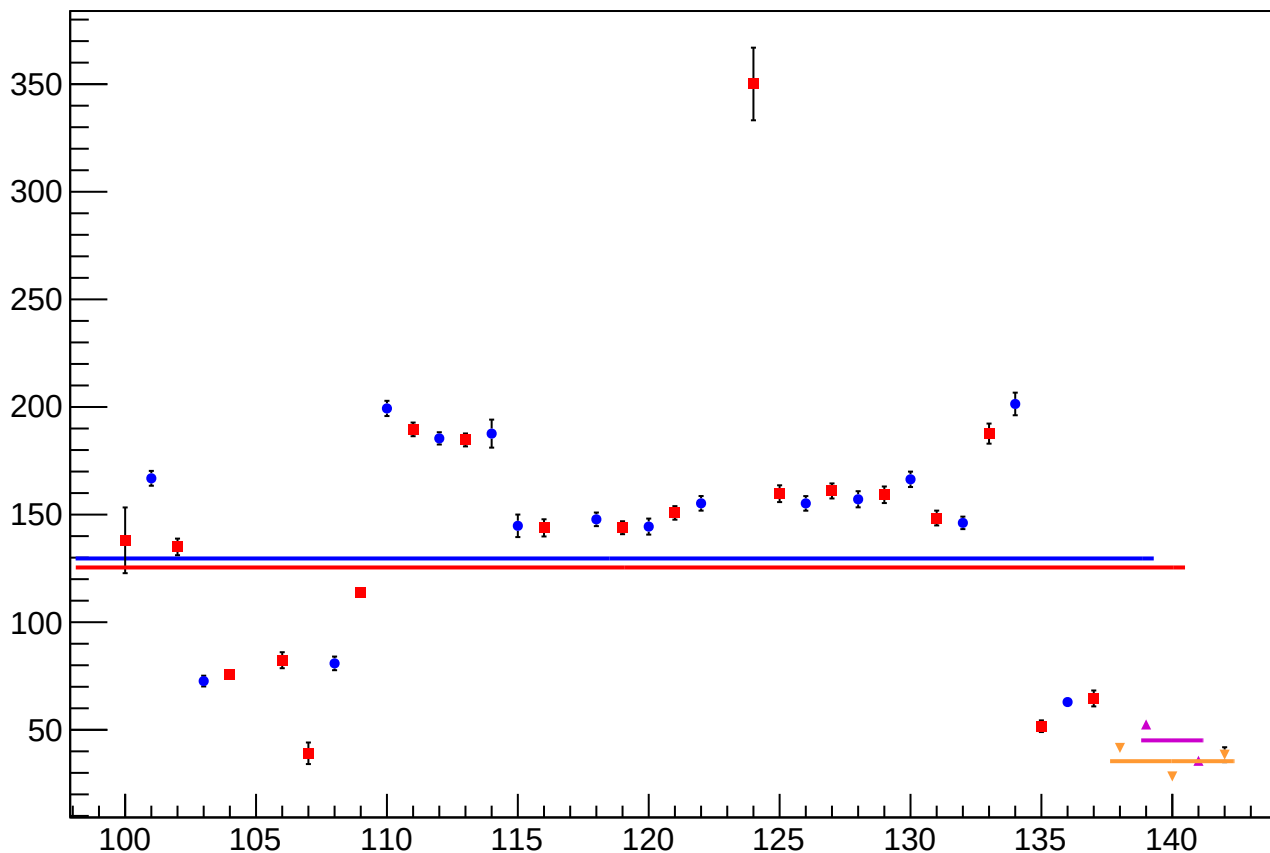
Left In: -9.573 ± 1.473 χ^2/NDF : 13.3/1

+ sign -7.498 ± 0.623 χ^2/NDF : 221.9/18

All: -6.842 ± 0.453 χ^2/NDF : 441.9/39

- sign -6.102 ± 0.661 χ^2/NDF : 217.6/20

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621 $\pm$ 0.801 χ^2 /NDF: 3624.4/15

Left Out: 35.426 $\pm$ 1.325 χ^2 /NDF: 22.2/2

Right Out: 125.435 $\pm$ 0.790 χ^2 /NDF: 3503.2/18

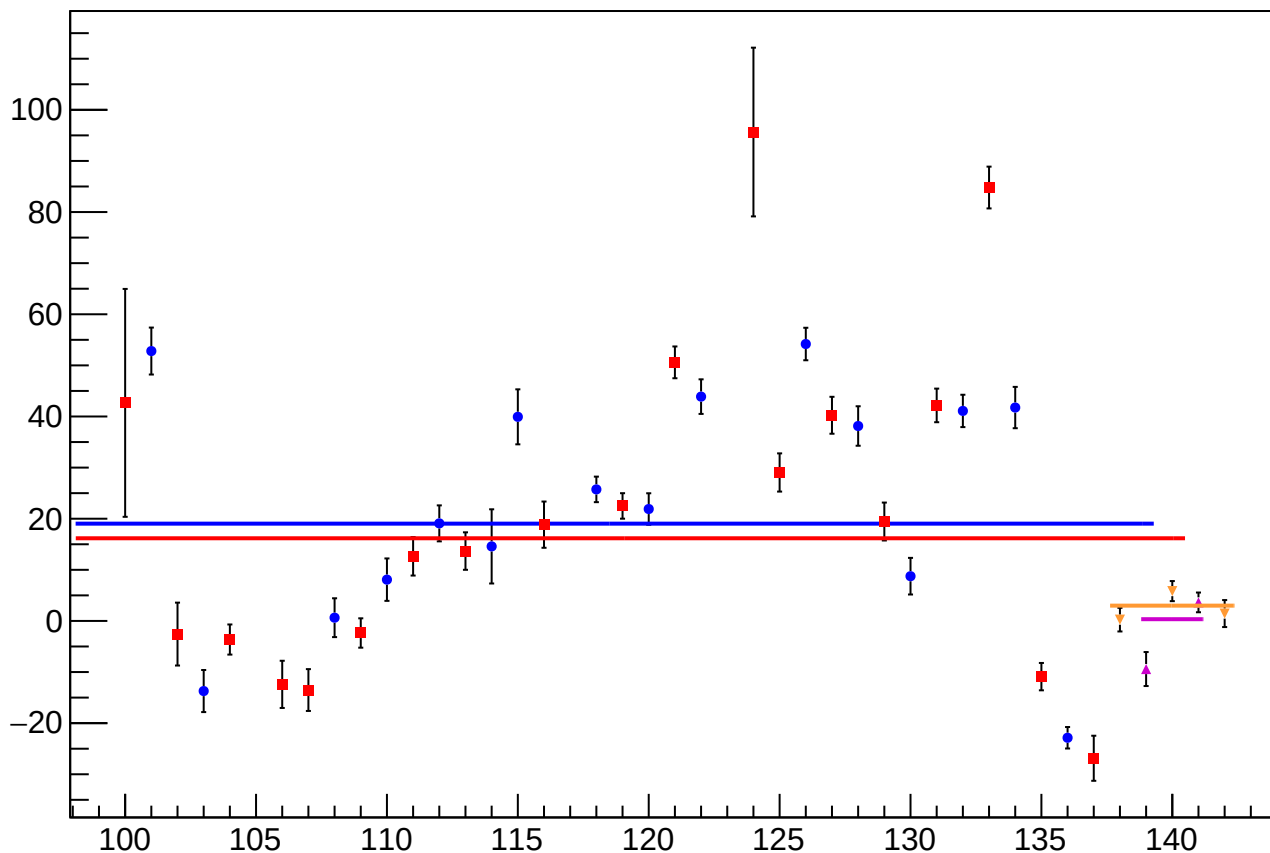
Left In: 45.095 $\pm$ 1.504 χ^2 /NDF: 31.0/1

+ sign 104.429 $\pm$ 0.685 χ^2 /NDF: 7348.7/18

All: 106.213 $\pm$ 0.489 χ^2 /NDF: 13133.0/39

- sign 108.071 $\pm$ 0.699 χ^2 /NDF: 5770.5/20

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035 $\pm$ 0.860 χ^2/NDF : 858.1/15

Left Out: 2.993 $\pm$ 1.302 χ^2/NDF : 3.8/2

Right Out: 16.173 $\pm$ 0.846 χ^2/NDF : 941.3/18

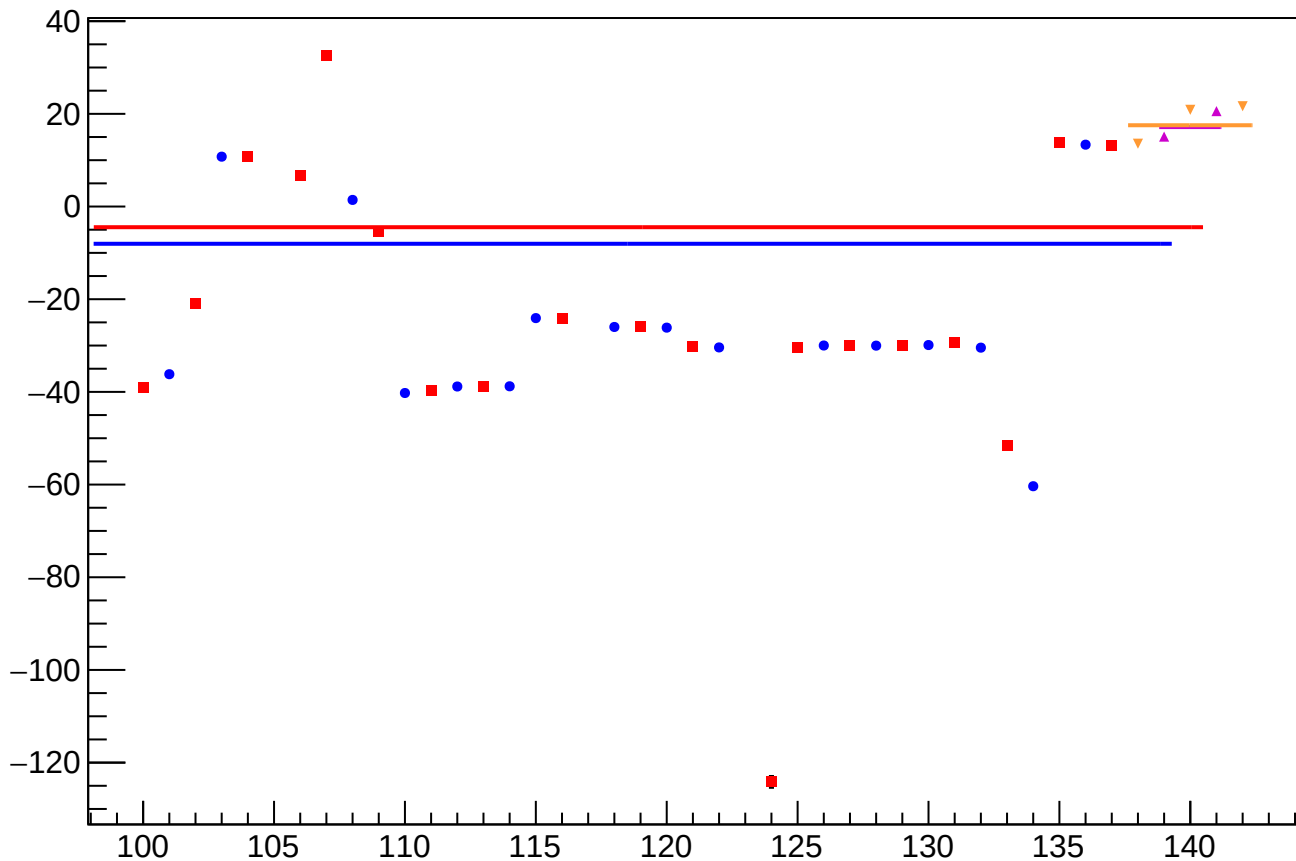
Left In: 0.341 $\pm$ 1.669 χ^2/NDF : 11.5/1

+ sign 14.164 $\pm$ 0.718 χ^2/NDF : 967.6/18

All: 13.582 $\pm$ 0.520 χ^2/NDF : 1993.3/39

- sign 12.938 $\pm$ 0.755 χ^2/NDF : 1024.3/20

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038 ± 0.046 χ^2/NDF : 267883.6/15

Left Out: 17.540 ± 0.055 χ^2/NDF : 4698.5/2

Right Out: -4.461 ± 0.047 χ^2/NDF : 228422.2/18

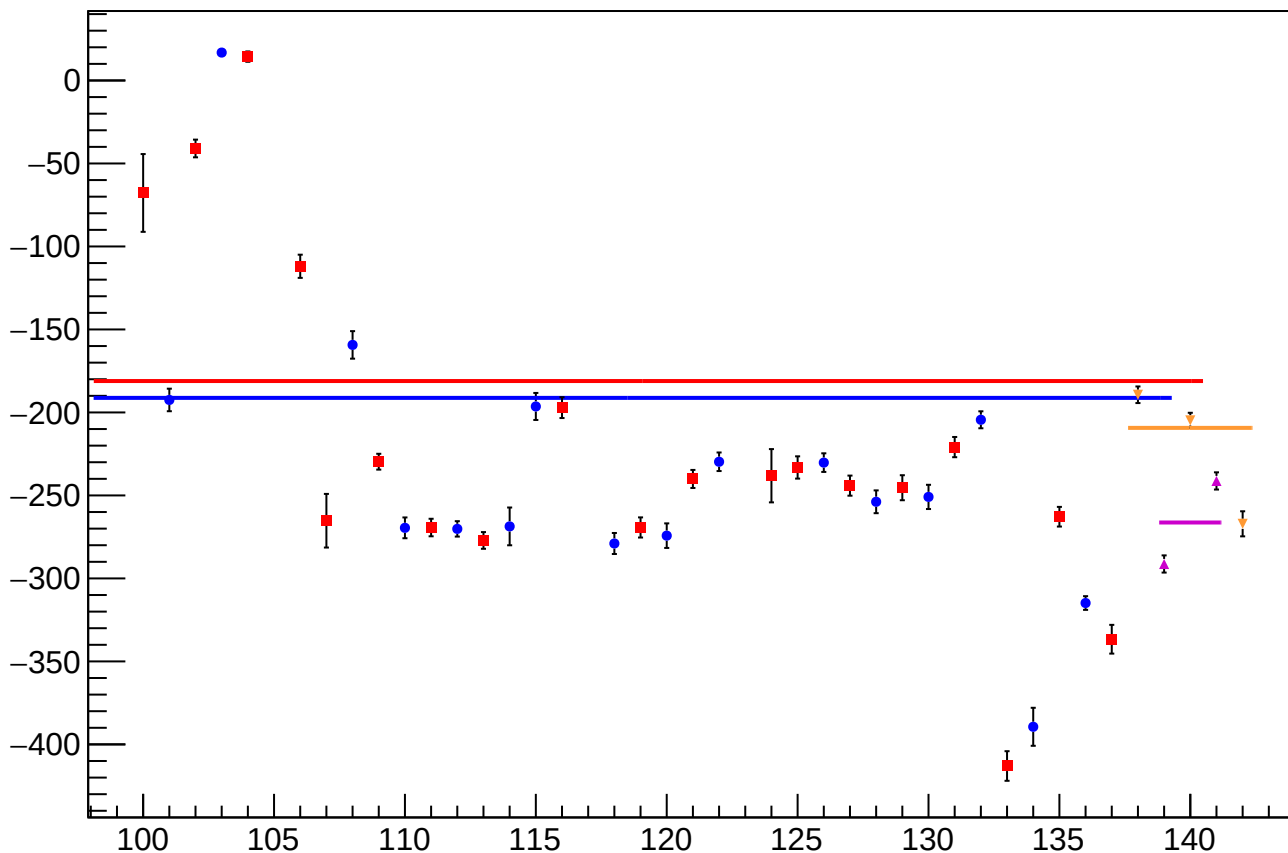
Left In: 17.146 ± 0.057 χ^2/NDF : 2211.0/1

+ sign 2.446 ± 0.035 χ^2/NDF : 400258.0/18

All: 3.356 ± 0.025 χ^2/NDF : 718811.6/39

- sign 4.312 ± 0.036 χ^2/NDF : 317182.5/20

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225 ± 1.419 $\chi^2/\text{NDF}: 7224.7/15$

Left Out: -209.302 ± 3.084 $\chi^2/\text{NDF}: 75.4/2$

Right Out: -181.080 ± 1.383 $\chi^2/\text{NDF}: 7374.0/18$

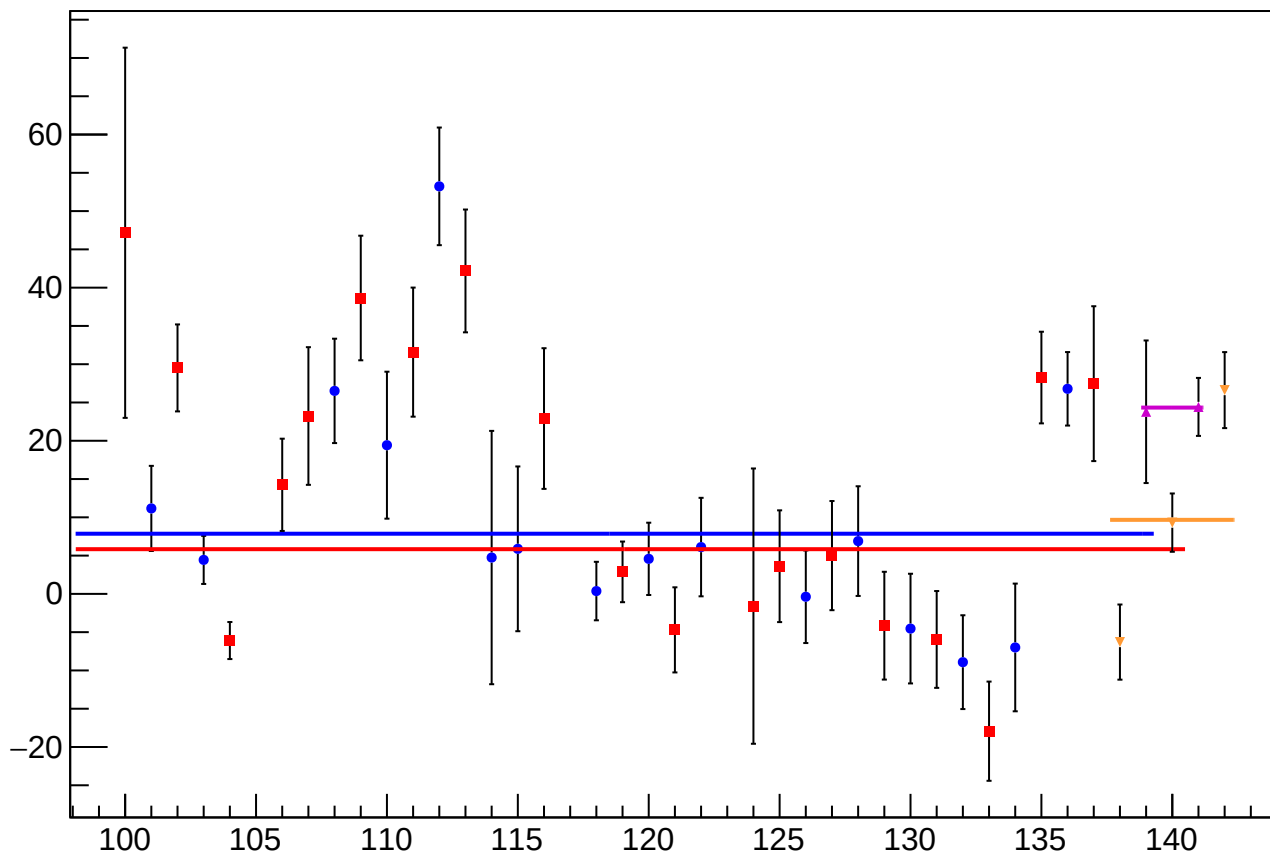
Left In: -266.311 ± 3.664 $\chi^2/\text{NDF}: 46.6/1$

+ sign -194.382 ± 1.289 $\chi^2/\text{NDF}: 7328.5/18$

All: -193.048 ± 0.913 $\chi^2/\text{NDF}: 15224.9/39$

- sign -191.703 ± 1.293 $\chi^2/\text{NDF}: 7894.3/20$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859 ± 1.438 $\chi^2/\text{NDF}: 80.9/15$

Left Out: 9.670 ± 2.573 $\chi^2/\text{NDF}: 22.2/2$

Right Out: 5.839 ± 1.355 $\chi^2/\text{NDF}: 141.9/18$

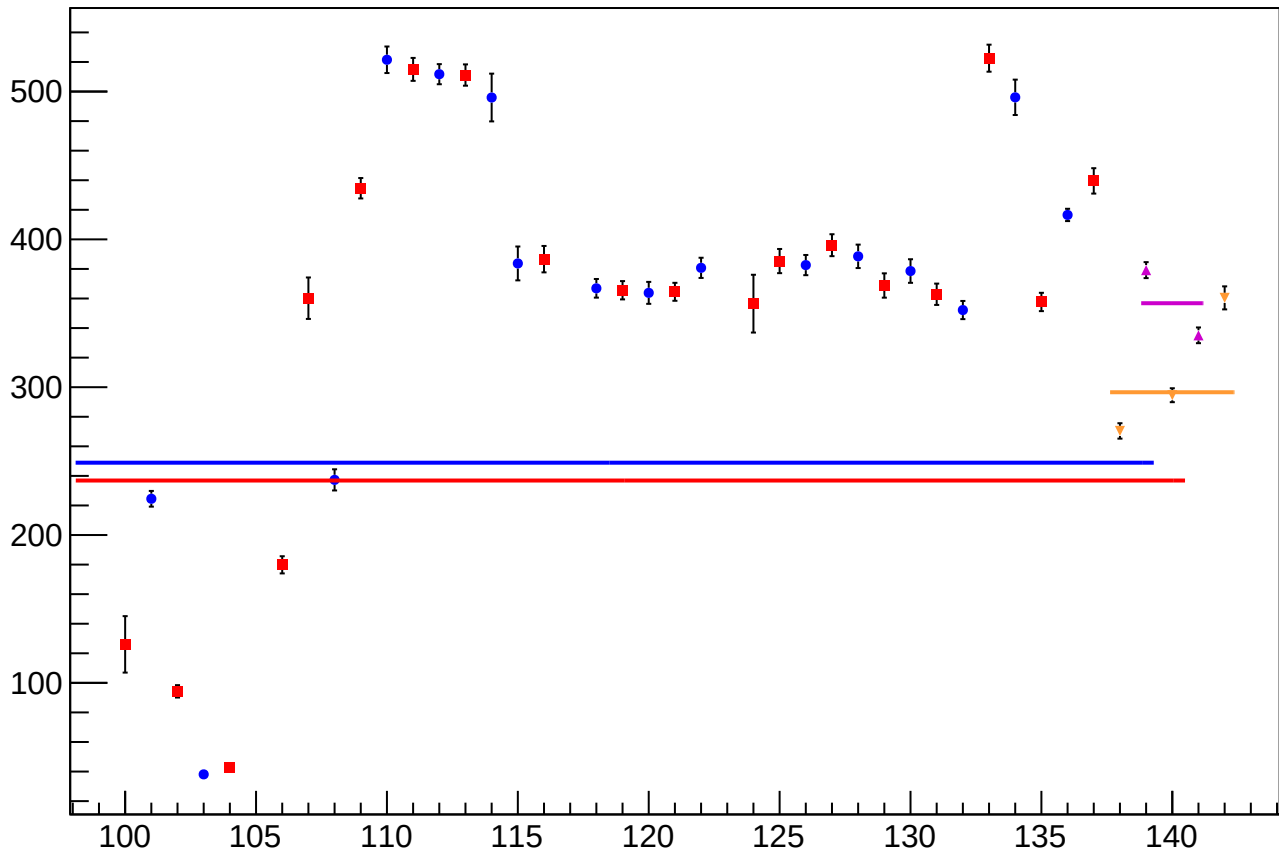
Left In: 24.334 ± 3.509 $\chi^2/\text{NDF}: 0.0/1$

+ sign 8.290 ± 1.255 $\chi^2/\text{NDF}: 103.5/18$

All: 8.265 ± 0.891 $\chi^2/\text{NDF}: 269.6/39$

- sign 8.241 ± 1.264 $\chi^2/\text{NDF}: 166.0/20$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932 +/- 1.422 χ^2/NDF : 15302.2/15

Left Out: 296.589 +/- 3.190 χ^2/NDF : 92.5/2

Right Out: 236.871 +/- 1.407 χ^2/NDF : 15657.3/18

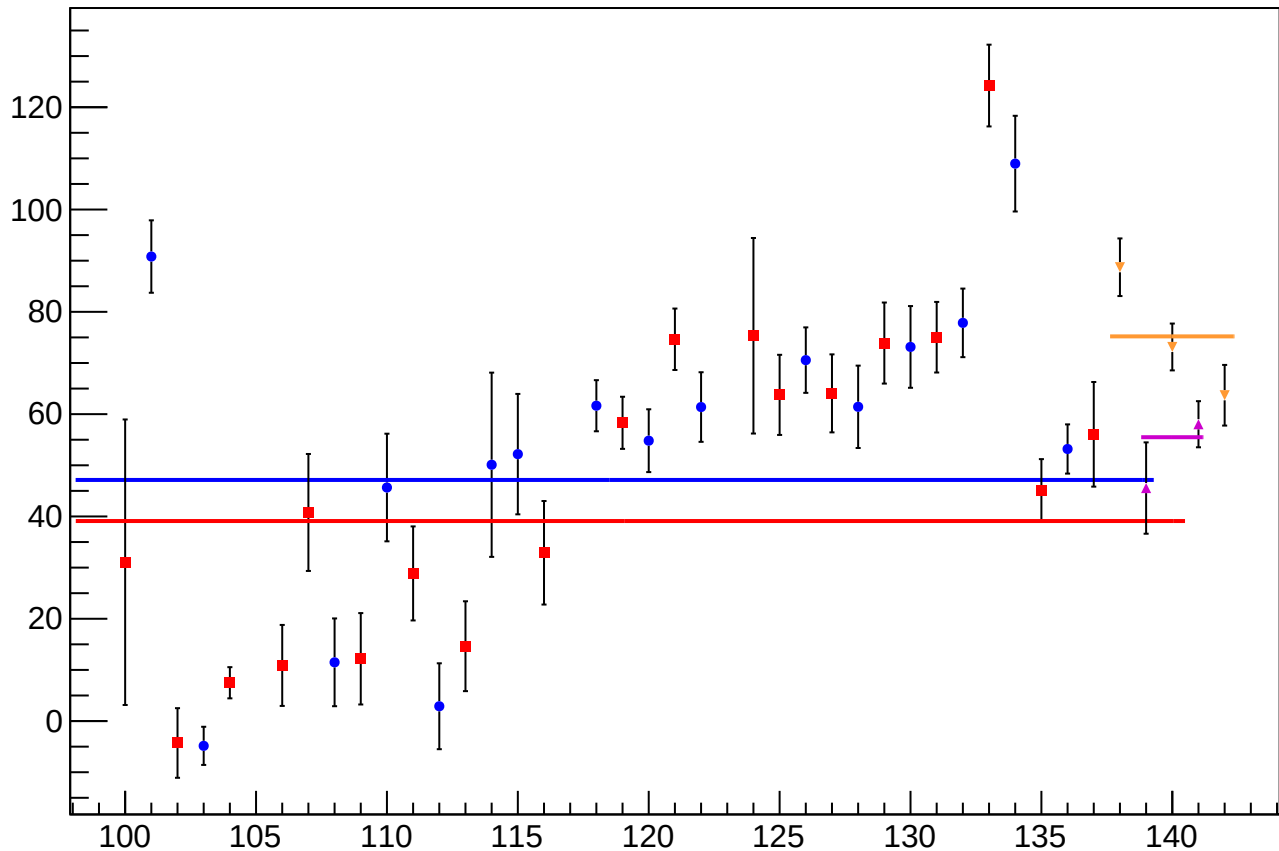
Left In: 356.805 +/- 3.789 χ^2/NDF : 33.9/1

+ sign 256.831 +/- 1.299 χ^2/NDF : 15581.0/18

All: 254.158 +/- 0.925 χ^2/NDF : 32161.4/39

- sign 251.401 +/- 1.319 χ^2/NDF : 16571.9/20

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137 $\pm$ 1.668 χ^2 /NDF: 385.3/15

Left Out: 75.201 $\pm$ 3.048 χ^2 /NDF: 9.7/2

Right Out: 39.105 $\pm$ 1.596 χ^2 /NDF: 416.5/18

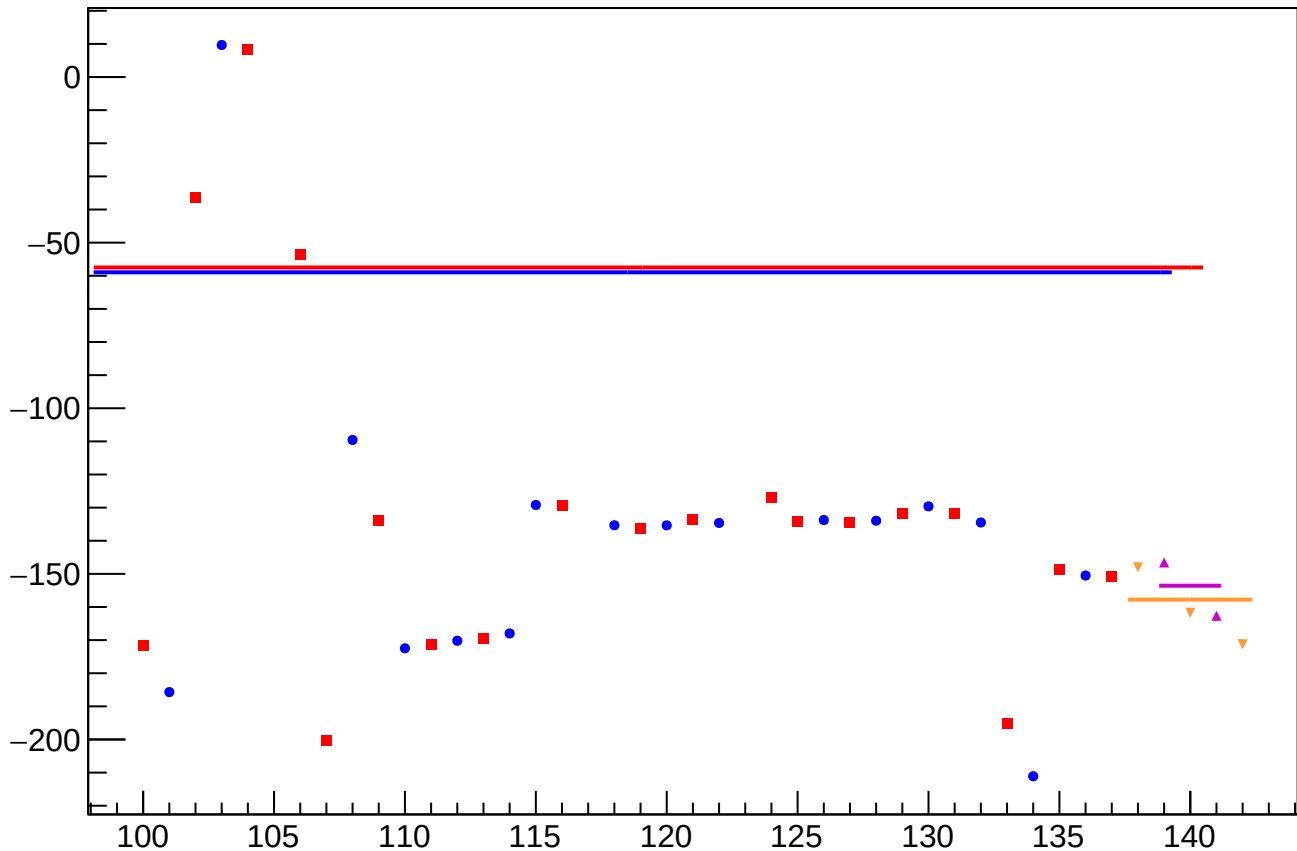
Left In: 55.493 $\pm$ 4.025 χ^2 /NDF: 1.6/1

+ sign 53.604 $\pm$ 1.463 χ^2 /NDF: 460.3/18

All: 47.553 $\pm$ 1.042 χ^2 /NDF: 927.4/39

- sign 41.331 $\pm$ 1.484 χ^2 /NDF: 432.3/20

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956 ± 0.073 $\chi^2/\text{NDF}: 1227079.0/15$

Left Out: -157.768 ± 0.135 $\chi^2/\text{NDF}: 4294.0/2$

Right Out: -57.497 ± 0.074 $\chi^2/\text{NDF}: 871305.9/18$

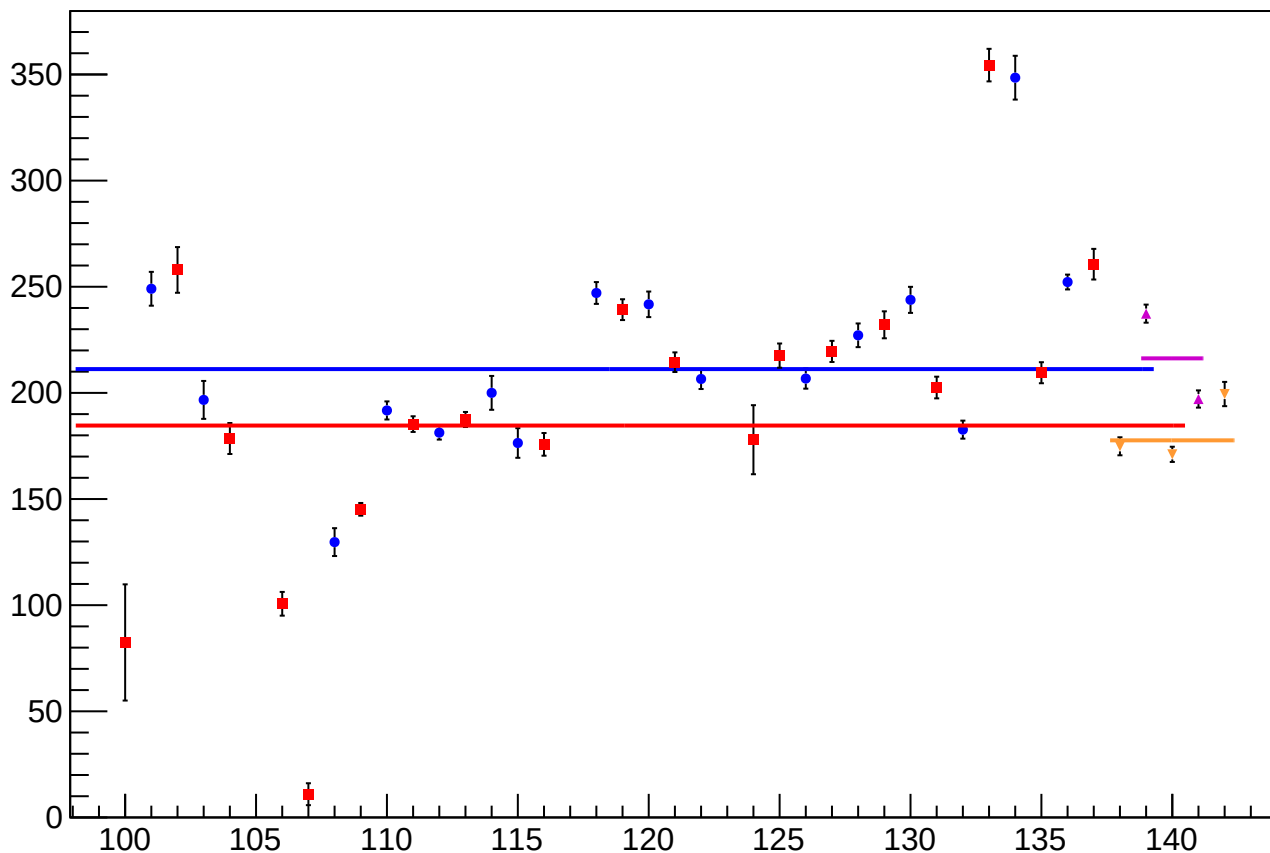
Left In: -153.577 ± 0.144 $\chi^2/\text{NDF}: 3061.9/1$

+ sign -81.206 ± 0.064 $\chi^2/\text{NDF}: 1648418.7/18$

All: -79.466 ± 0.046 $\chi^2/\text{NDF}: 2874715.4/39$

- sign -77.608 ± 0.066 $\chi^2/\text{NDF}: 1224764.5/20$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210 $\pm$ 1.296 χ^2 /NDF: 783.0/15

Left Out: 177.645 $\pm$ 2.469 χ^2 /NDF:18.4/2

Right Out: 184.614 $\pm$ 1.194 χ^2 /NDF: 2540.4/18

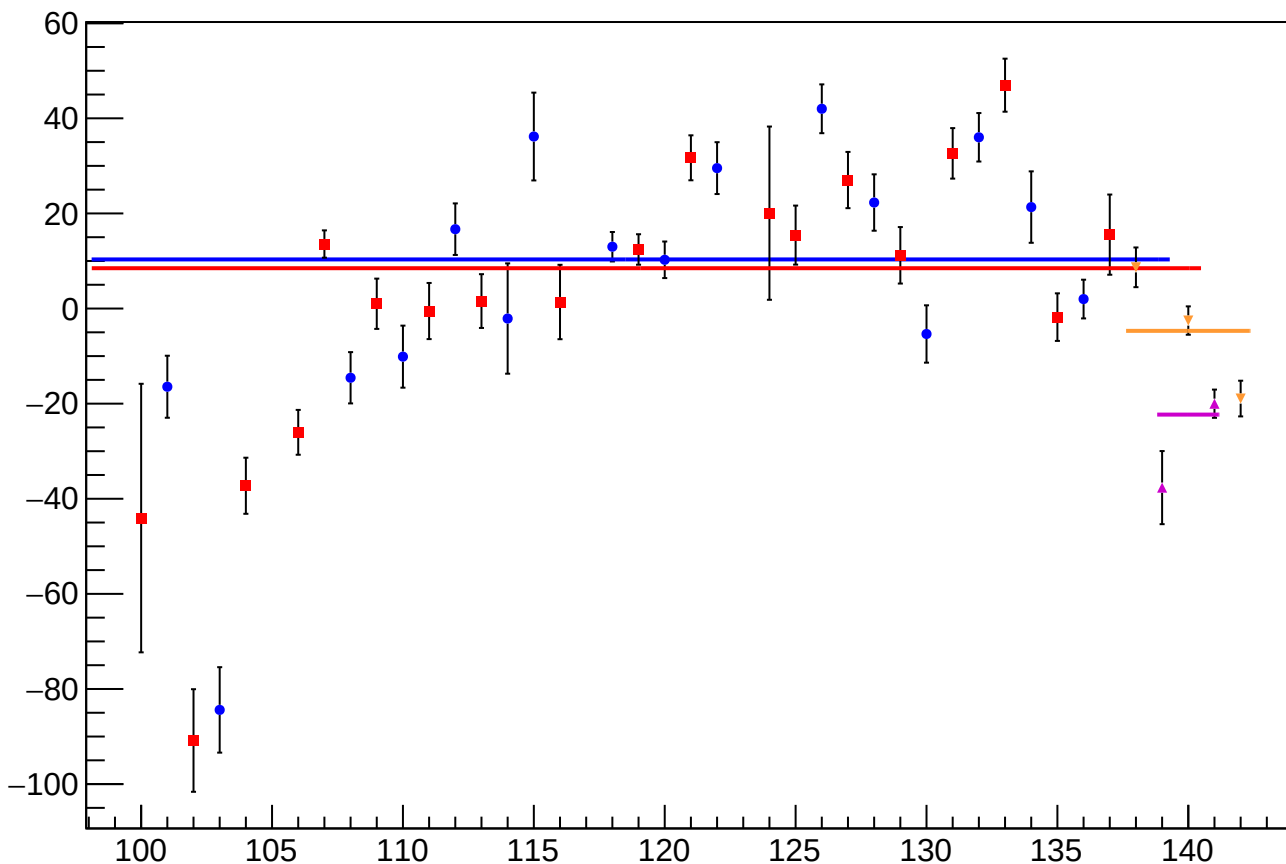
Left In: 216.264 $\pm$ 2.938 χ^2 /NDF:46.7/1

+ sign 203.964 $\pm$ 1.147 χ^2 /NDF: 946.2/18

All: 196.259 $\pm$ 0.796 χ^2 /NDF: 3719.9/39

- sign 189.099 $\pm$ 1.106 χ^2 /NDF: 2686.7/20

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329 ± 1.333 χ^2/NDF : 263.3/15

Left Out: -4.693 ± 2.038 χ^2/NDF : 25.2/2

Right Out: 8.480 ± 1.225 χ^2/NDF : 322.3/18

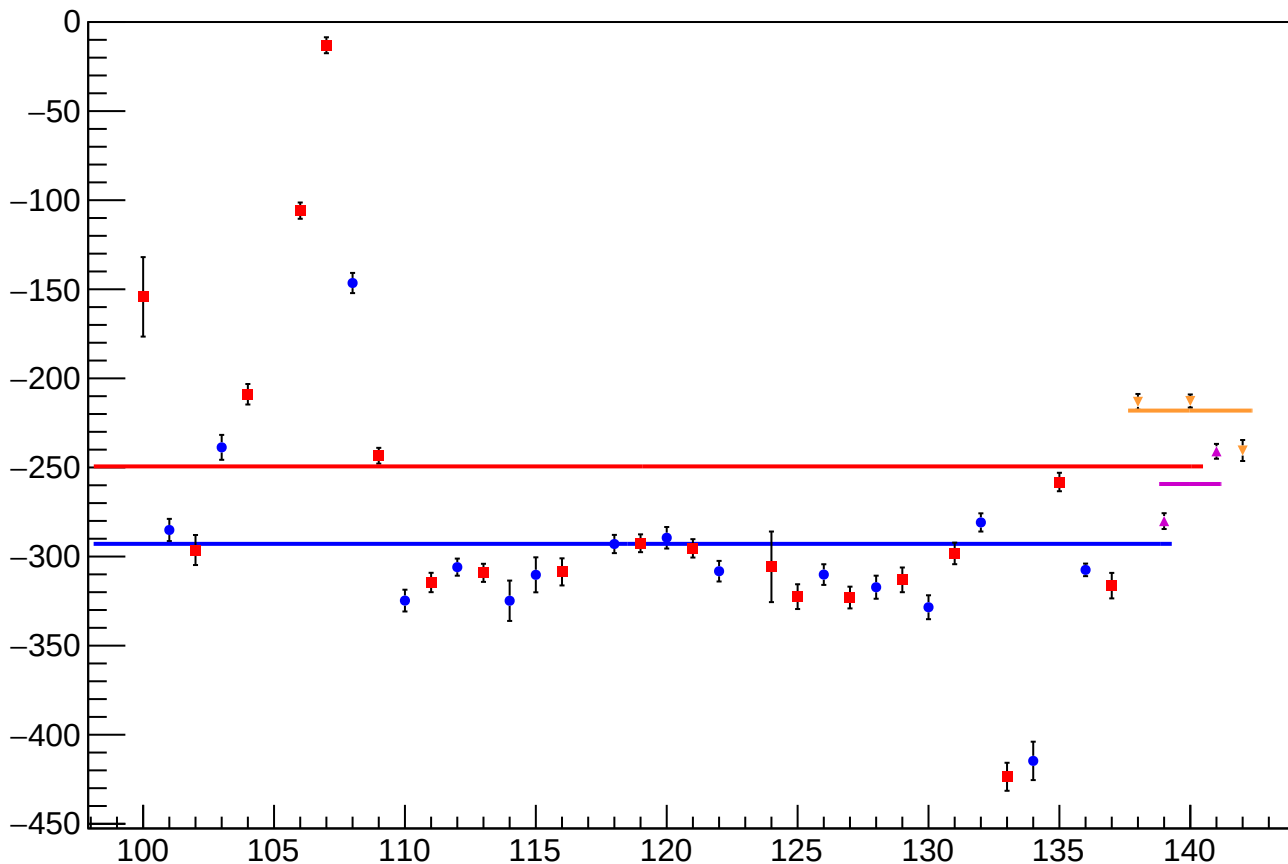
Left In: -22.303 ± 2.769 χ^2/NDF : 4.6/1

+ sign 5.829 ± 1.115 χ^2/NDF : 326.5/18

All: 4.642 ± 0.790 χ^2/NDF : 759.0/39

- sign 3.445 ± 1.120 χ^2/NDF : 430.3/20

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872 ± 1.467 χ^2/NDF : 983.5/15

Left Out: -218.080 ± 2.553 χ^2/NDF : 17.8/2

Right Out: -249.407 ± 1.369 χ^2/NDF : 5368.5/18

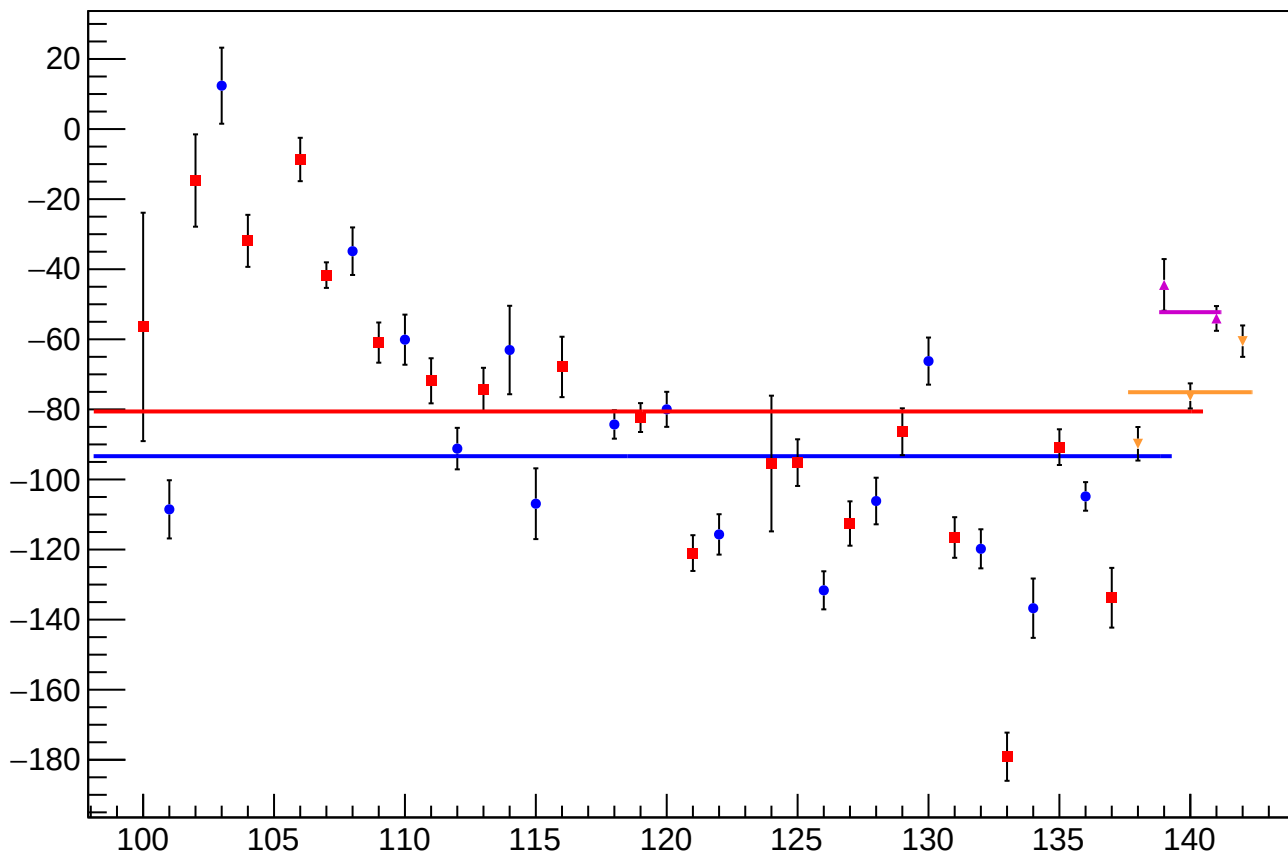
Left In: -259.281 ± 3.036 χ^2/NDF : 41.4/1

+ sign -274.297 ± 1.272 χ^2/NDF : 1646.4/18

All: -262.460 ± 0.891 χ^2/NDF : 7234.9/39

- sign -251.075 ± 1.248 χ^2/NDF : 5418.7/20

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357 $\pm$ 1.534 χ^2 /NDF: 355.3/15

Left Out: -75.098 $\pm$ 2.417 χ^2 /NDF: 20.1/2

Right Out: -80.592 $\pm$ 1.424 χ^2 /NDF: 715.3/18

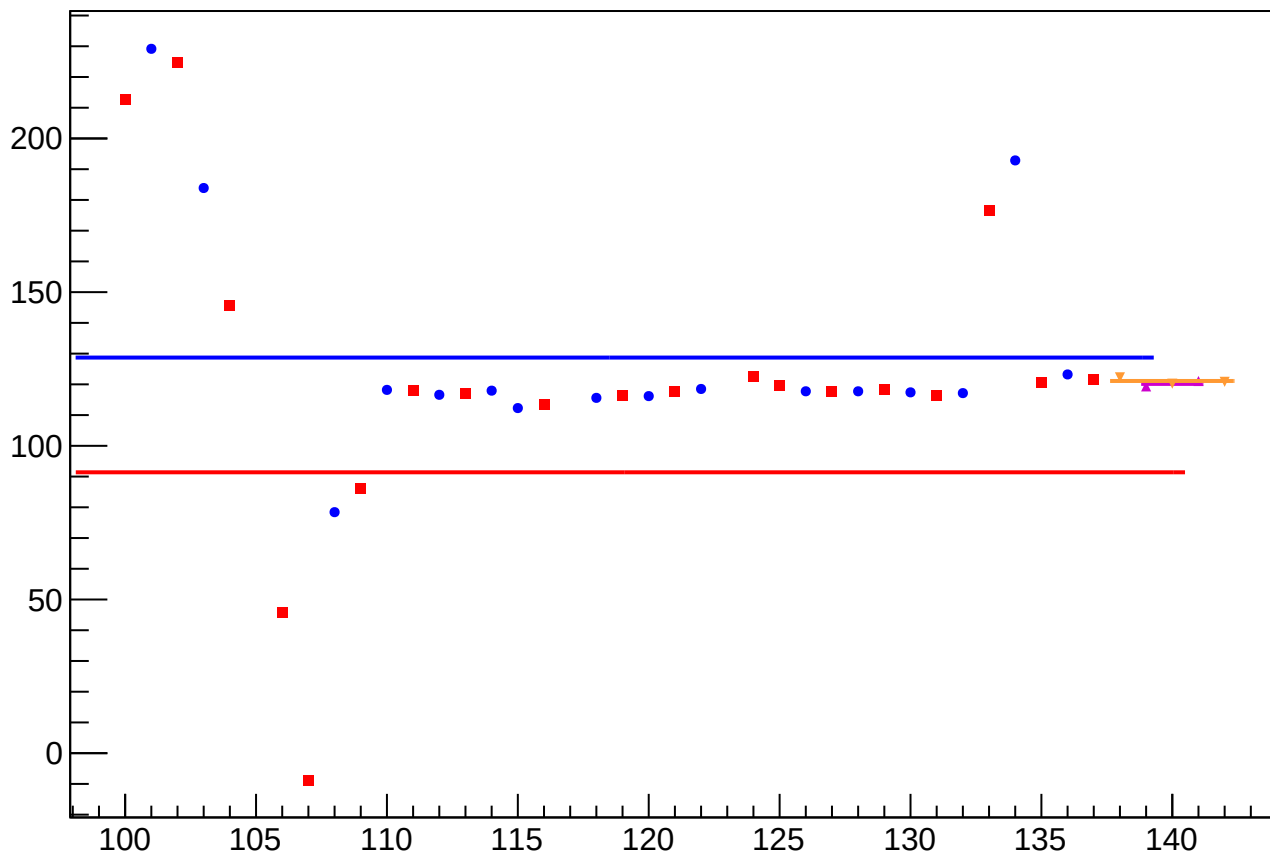
Left In: -52.255 $\pm$ 3.185 χ^2 /NDF: 1.4/1

+ sign -88.111 $\pm$ 1.295 χ^2 /NDF: 416.1/18

All: -82.013 $\pm$ 0.918 χ^2 /NDF: 1243.3/39

- sign -75.872 $\pm$ 1.300 χ^2 /NDF: 782.7/20

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715 $\pm$ 0.089 χ^2 /NDF: 183522.8/15

Left Out: 121.100 $\pm$ 0.108 χ^2 /NDF: 74.3/2

Right Out: 91.385 $\pm$ 0.079 χ^2 /NDF: 604912.4/18

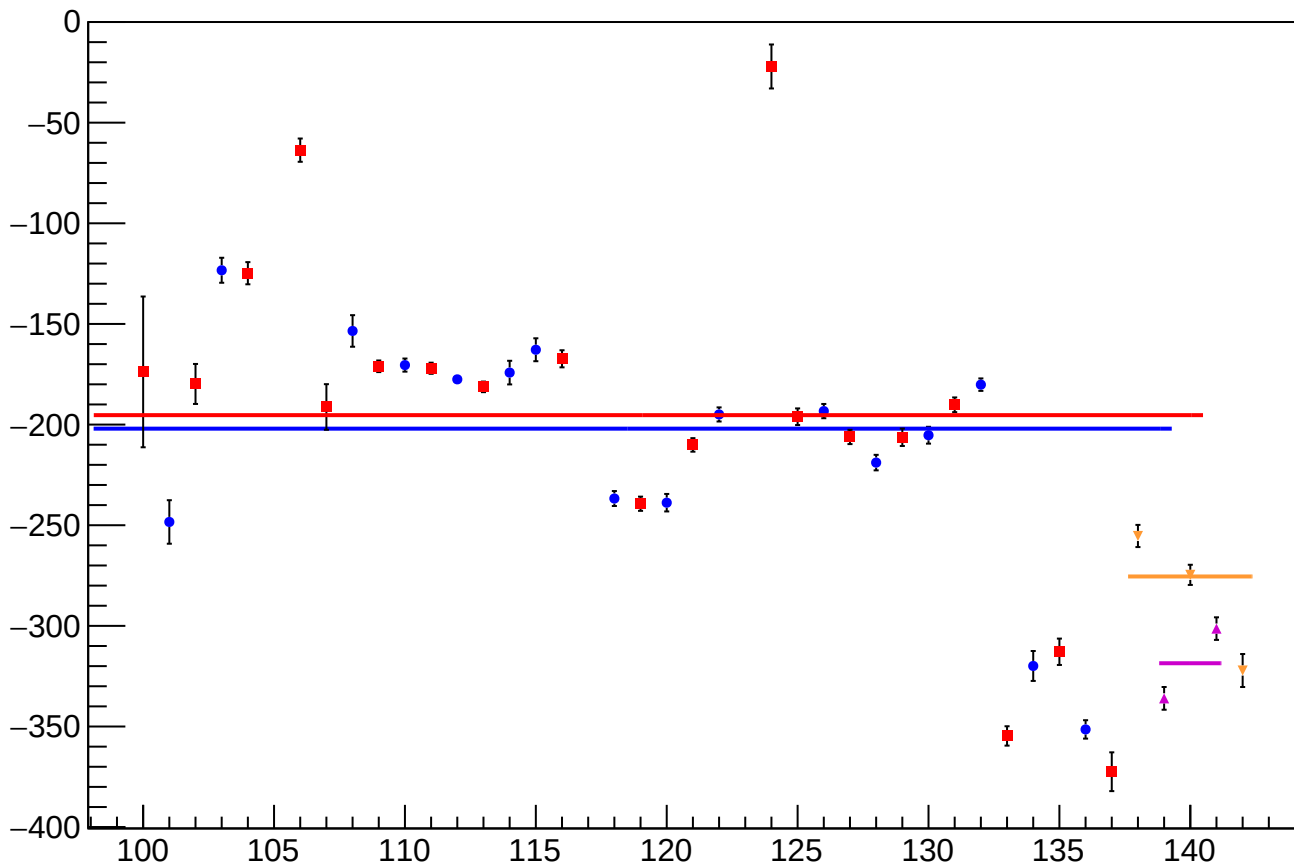
Left In: 120.149 $\pm$ 0.116 χ^2 /NDF: 56.4/1

+ sign 125.629 $\pm$ 0.069 χ^2 /NDF: 186554.8/18

All: 112.424 $\pm$ 0.047 χ^2 /NDF: 903655.8/39

- sign 100.478 $\pm$ 0.065 χ^2 /NDF: 646814.7/20

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020 ± 1.024 $\chi^2/\text{NDF}: 2040.4/15$

Left Out: -275.460 ± 3.376 $\chi^2/\text{NDF}: 45.9/2$

Right Out: -195.311 ± 0.974 $\chi^2/\text{NDF}: 3100.7/18$

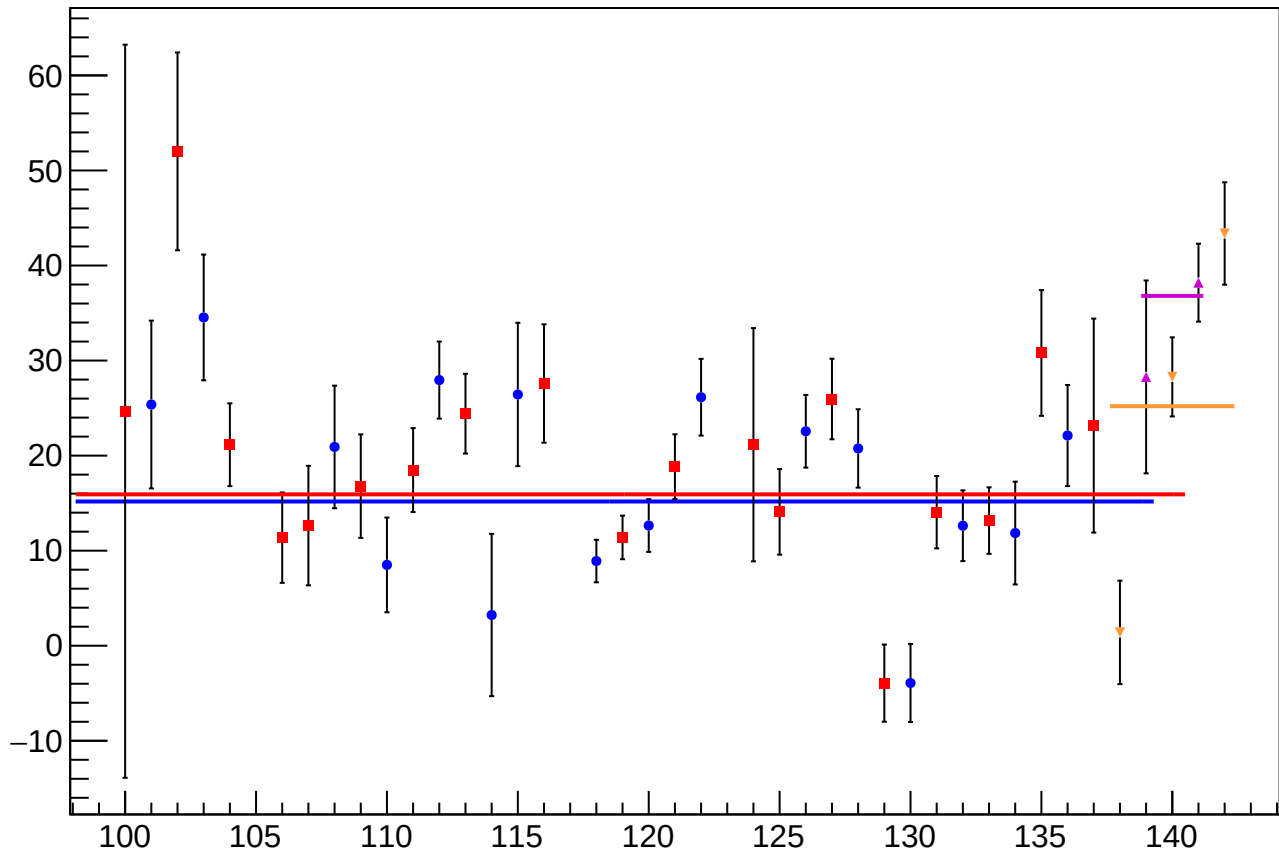
Left In: -318.568 ± 3.979 $\chi^2/\text{NDF}: 19.0/1$

+ sign -208.208 ± 0.980 $\chi^2/\text{NDF}: 2519.6/18$

All: -205.139 ± 0.681 $\chi^2/\text{NDF}: 6563.3/39$

- sign -202.278 ± 0.946 $\chi^2/\text{NDF}: 4024.8/20$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175 $\pm$ 1.048 χ^2 /NDF: 72.3/15

Left Out: 25.198 $\pm$ 2.817 χ^2 /NDF:31.1/2

Right Out: 15.925 $\pm$ 1.037 χ^2 /NDF: 63.5/18

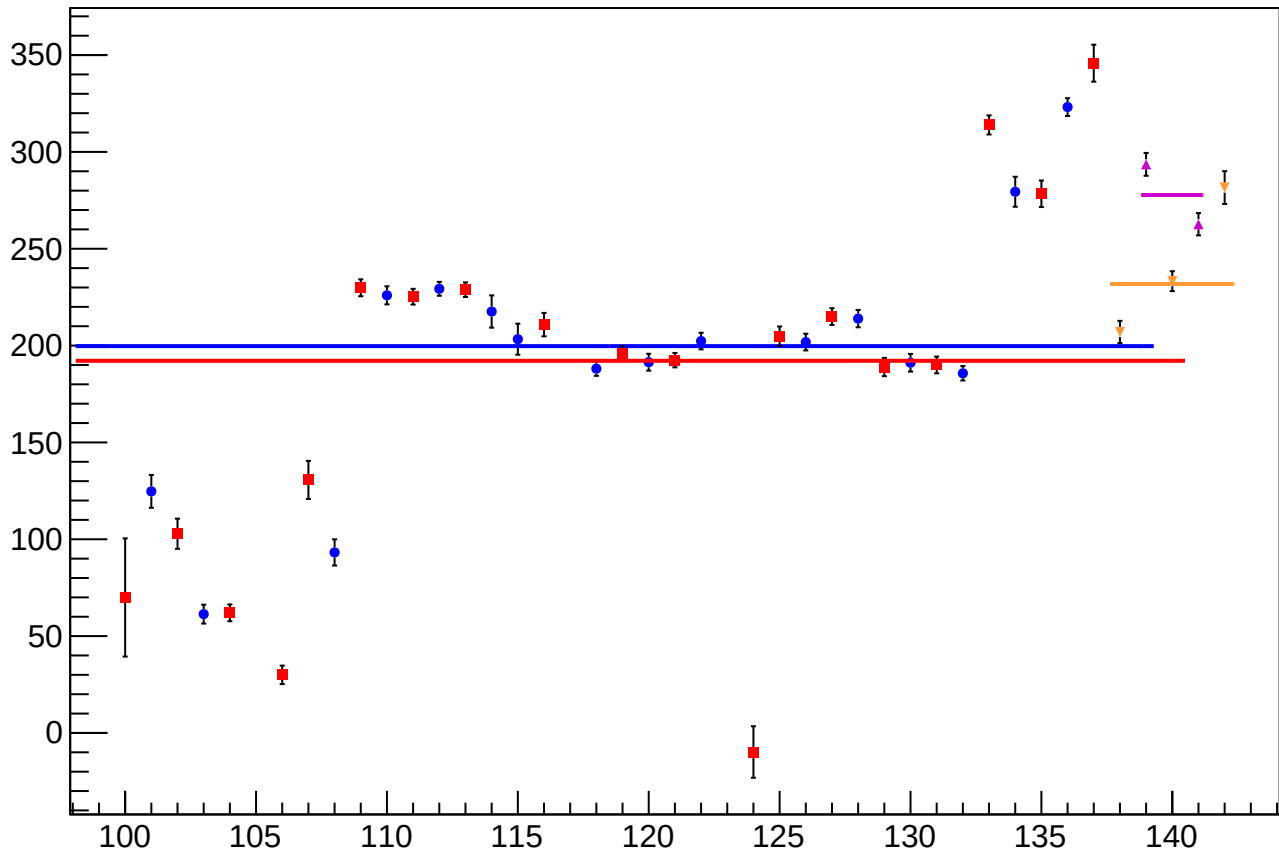
Left In: 36.805 $\pm$ 3.800 χ^2 /NDF:0.8/1

+ sign 16.393 $\pm$ 0.982 χ^2 /NDF: 114.5/18

All: 16.874 $\pm$ 0.701 χ^2 /NDF: 207.5/39

- sign 17.372 $\pm$ 1.000 χ^2 /NDF: 92.5/20

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722 $\pm$ 1.196 χ^2 /NDF: 2101.6/15

Left Out: 231.824 $\pm$ 3.492 χ^2 /NDF:53.4/2

Right Out: 192.156 $\pm$ 1.150 χ^2 /NDF: 3777.1/18

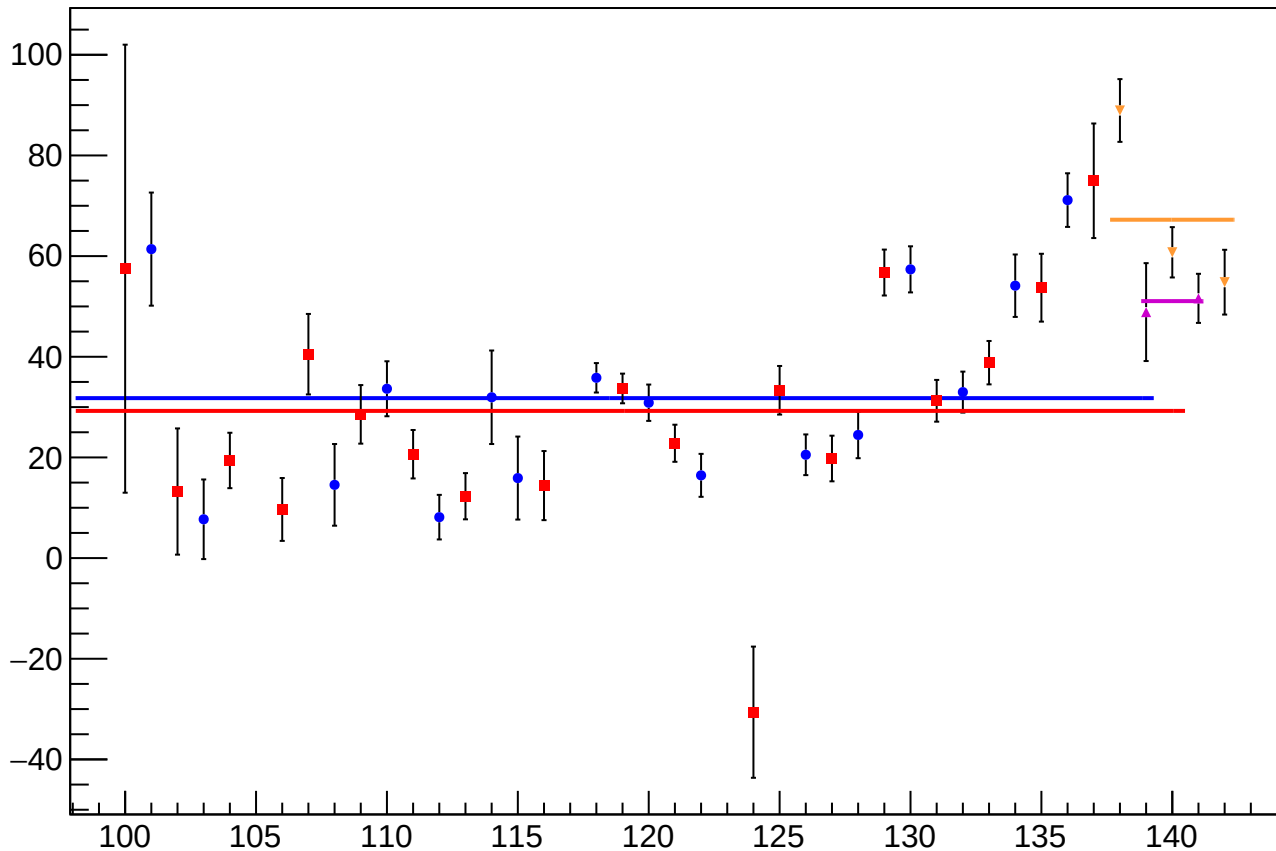
Left In: 277.757 $\pm$ 4.115 χ^2 /NDF:14.1/1

+ sign 203.091 $\pm$ 1.131 χ^2 /NDF: 2230.6/18

All: 200.677 $\pm$ 0.792 χ^2 /NDF: 6432.1/39

- sign 198.362 $\pm$ 1.108 χ^2 /NDF: 4192.6/20

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782 ± 1.217 $\chi^2/\text{NDF}: 177.0/15$

Left Out: 67.230 ± 3.336 $\chi^2/\text{NDF}: 17.5/2$

Right Out: 29.245 ± 1.197 $\chi^2/\text{NDF}: 140.9/18$

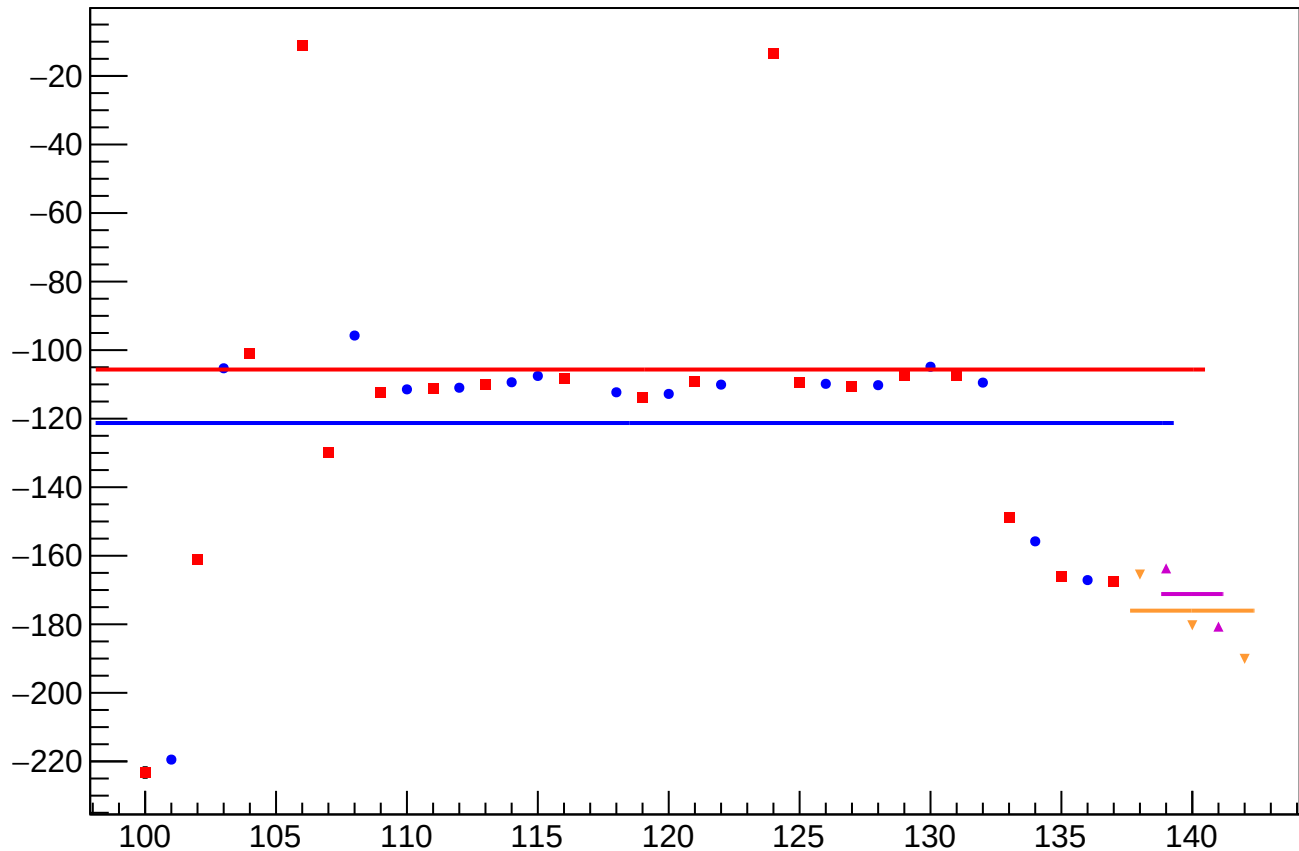
Left In: 51.058 ± 4.360 $\chi^2/\text{NDF}: 0.1/1$

+ sign 35.944 ± 1.143 $\chi^2/\text{NDF}: 294.2/18$

All: 33.383 ± 0.812 $\chi^2/\text{NDF}: 468.5/39$

- sign 30.773 ± 1.154 $\chi^2/\text{NDF}: 164.2/20$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268 ± 0.079 $\chi^2/\text{NDF}: 119398.5/15$

Left Out: -176.019 ± 0.147 $\chi^2/\text{NDF}: 4074.7/2$

Right Out: -105.660 ± 0.075 $\chi^2/\text{NDF}: 355093.7/18$

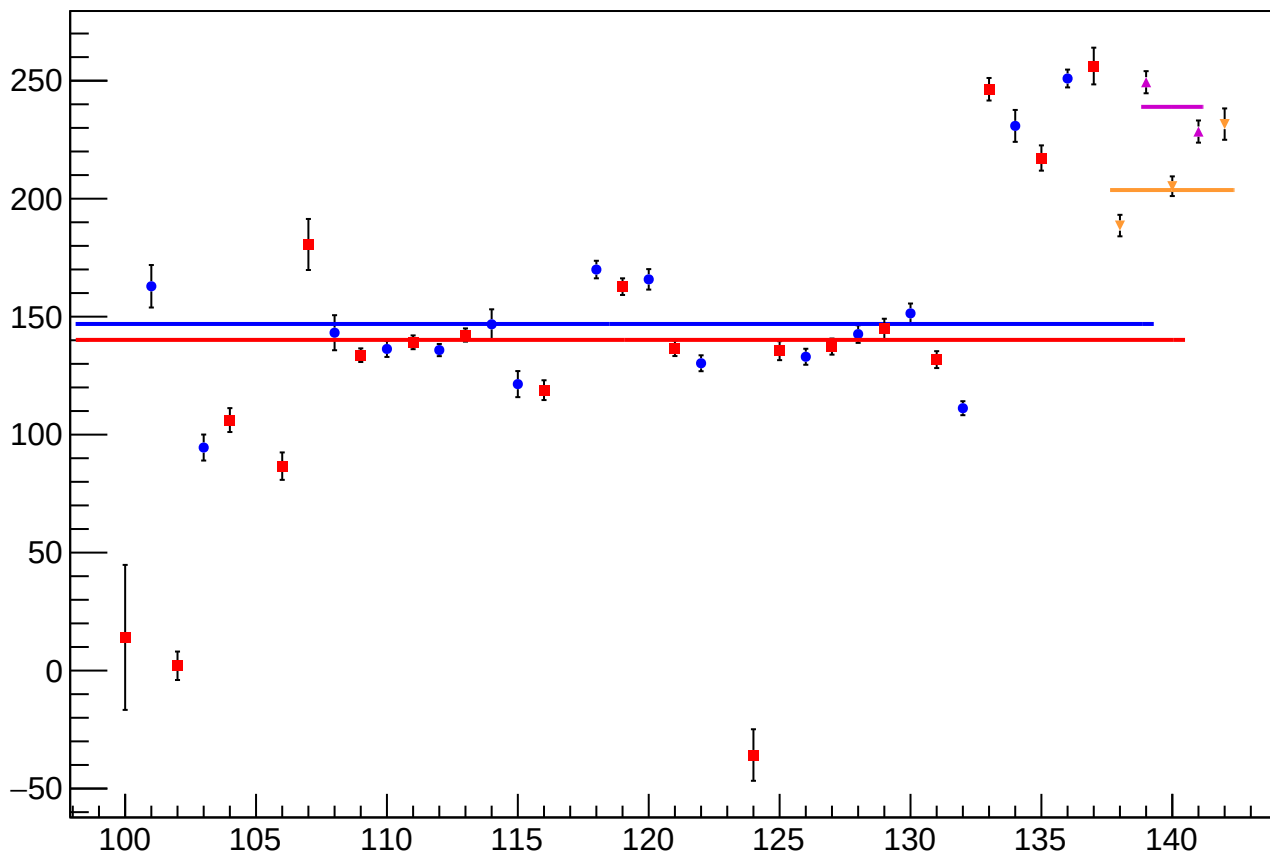
Left In: -171.171 ± 0.157 $\chi^2/\text{NDF}: 2898.6/1$

+ sign -133.544 ± 0.070 $\chi^2/\text{NDF}: 230564.9/18$

All: -125.397 ± 0.048 $\chi^2/\text{NDF}: 757295.3/39$

- sign -117.789 ± 0.067 $\chi^2/\text{NDF}: 500368.7/20$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905 ± 1.003 χ^2/NDF : 1302.0/15

Left Out: 203.662 ± 2.791 χ^2/NDF : 28.8/2

Right Out: 140.153 ± 0.960 χ^2/NDF : 1950.6/18

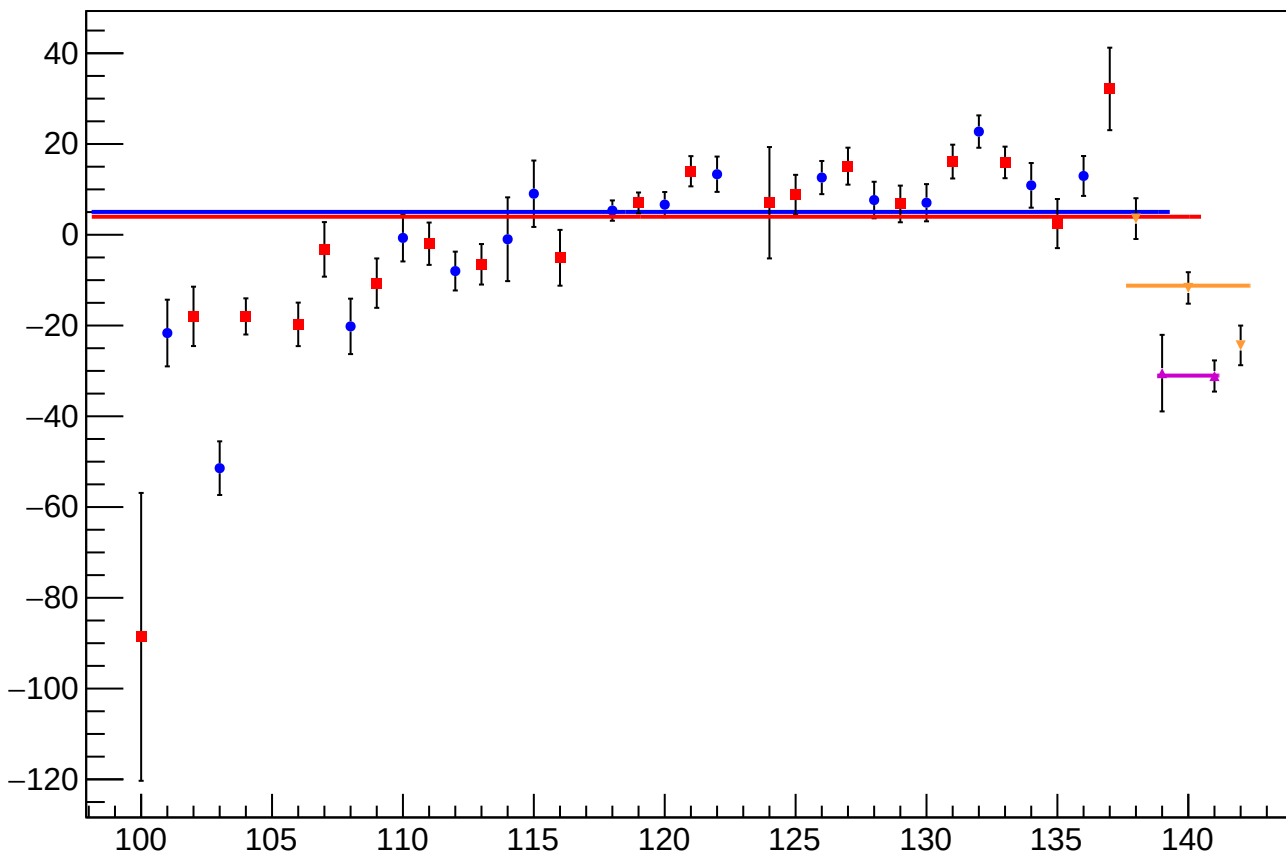
Left In: 238.922 ± 3.318 χ^2/NDF : 9.9/1

+ sign 153.398 ± 0.944 χ^2/NDF : 1696.9/18

All: 150.524 ± 0.660 χ^2/NDF : 4493.0/39

- sign 147.782 ± 0.922 χ^2/NDF : 2778.1/20

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037 ± 1.021 χ^2/NDF : 171.9/15

Left Out: -11.216 ± 2.324 χ^2/NDF : 19.9/2

Right Out: 3.974 ± 1.012 χ^2/NDF : 144.9/18

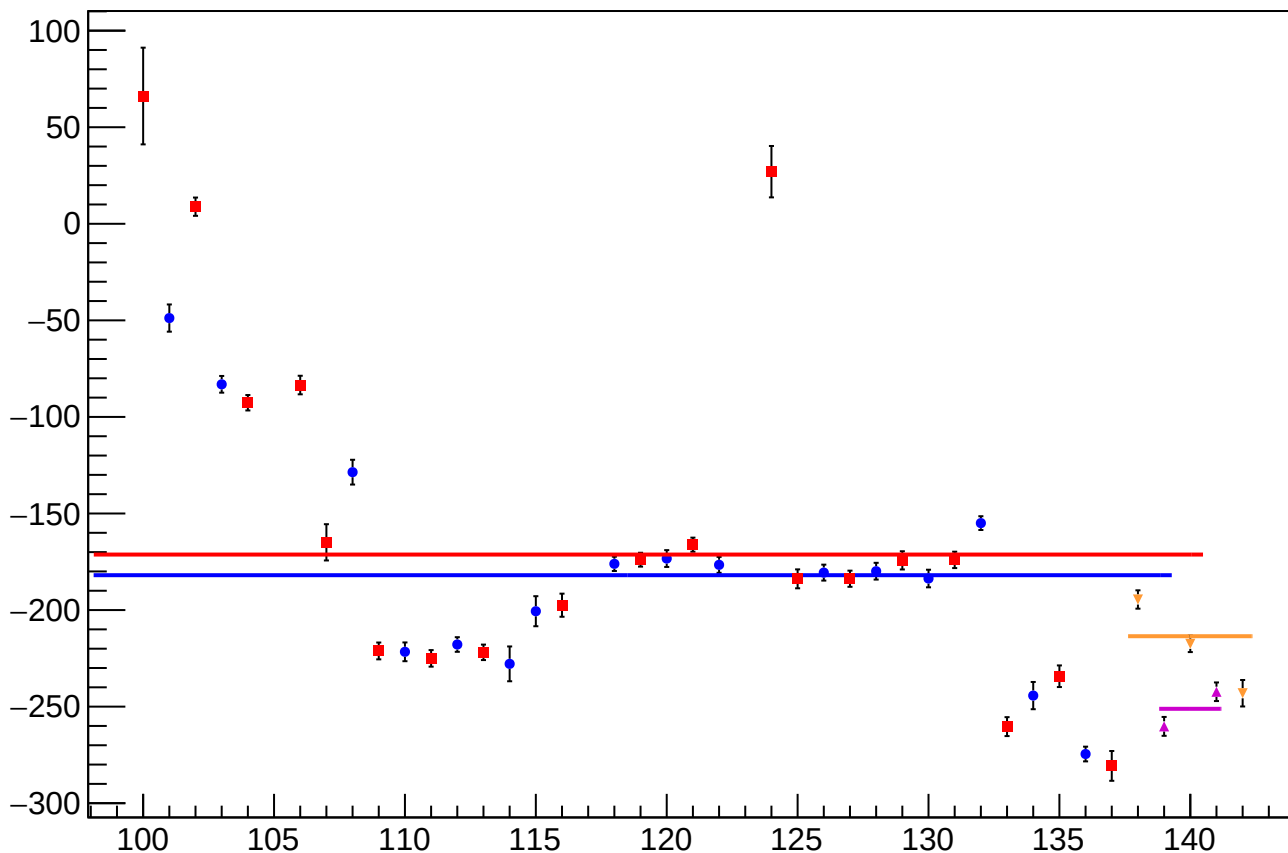
Left In: -31.032 ± 3.180 χ^2/NDF : 0.0/1

+ sign 2.409 ± 0.935 χ^2/NDF : 232.8/18

All: 1.608 ± 0.671 χ^2/NDF : 489.2/39

- sign 0.756 ± 0.964 χ^2/NDF : 254.9/20

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF : 1870.4/15

Left Out: -213.543+/-2.887 χ^2/NDF : 35.4/2

Right Out: -171.262+/-1.111 χ^2/NDF : 3628.2/18

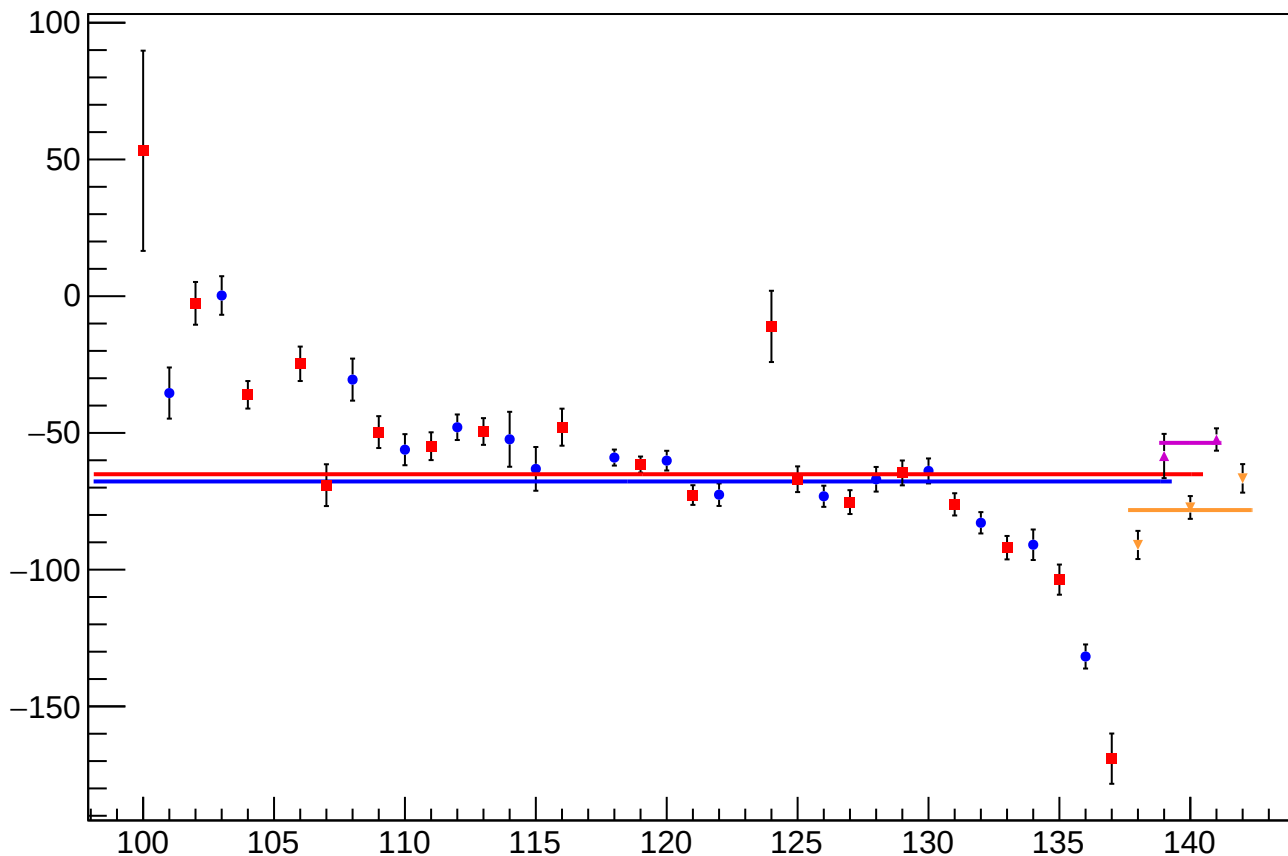
Left In: -251.129+/-3.431 χ^2/NDF : 6.8/1

+ sign -186.298+/-1.072 χ^2/NDF : 2009.1/18

All: -182.519+/-0.753 χ^2/NDF : 6159.0/39

- sign -178.841+/-1.057 χ^2/NDF : 4125.3/20

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745 ± 1.181 χ^2/NDF : 414.0/15

Left Out: -78.211 ± 2.752 χ^2/NDF : 11.1/2

Right Out: -65.105 ± 1.167 χ^2/NDF : 429.0/18

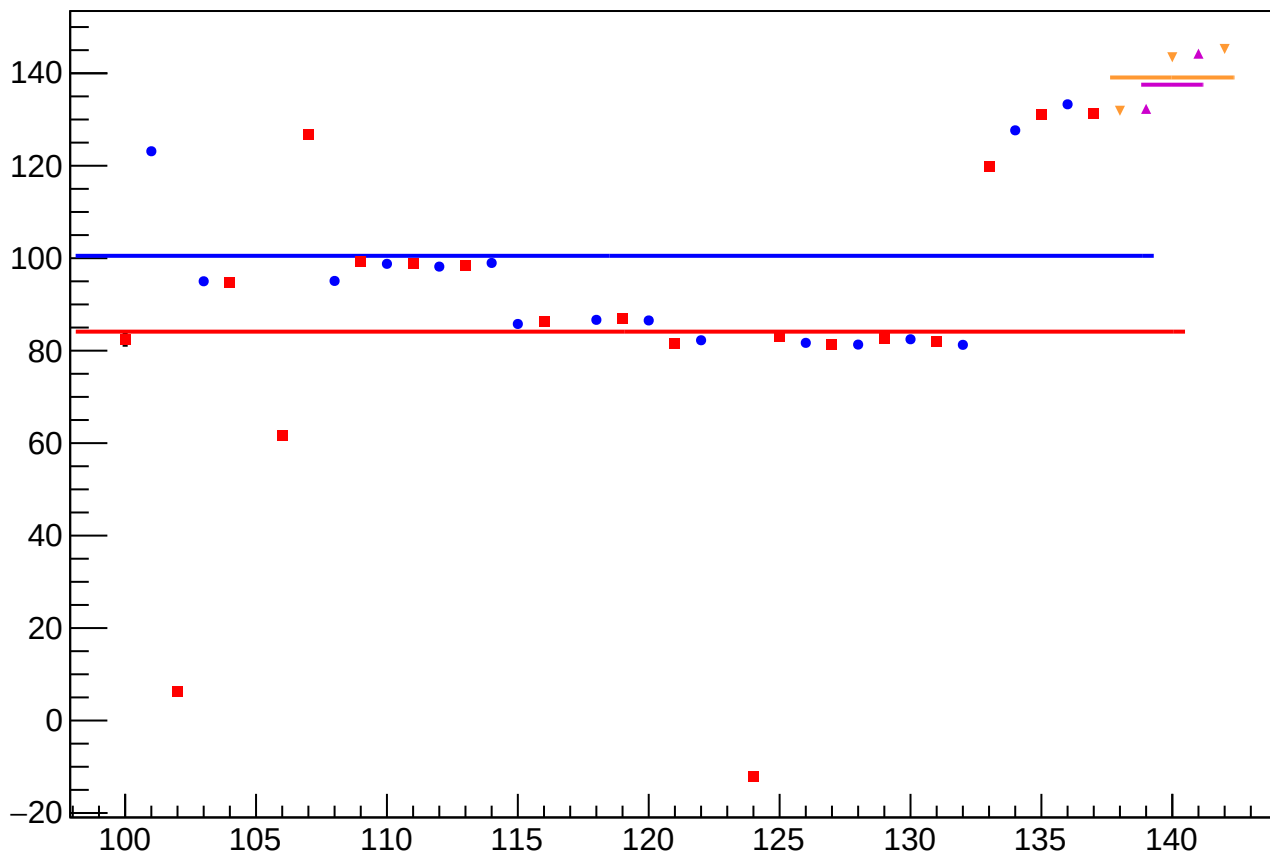
Left In: -53.632 ± 3.647 χ^2/NDF : 0.4/1

+ sign -69.373 ± 1.085 χ^2/NDF : 437.4/18

All: -66.769 ± 0.776 χ^2/NDF : 887.6/39

- sign -64.040 ± 1.111 χ^2/NDF : 438.5/20

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517 $\pm$ 0.074 χ^2 /NDF: 67464.8/15

Left Out: 139.090 $\pm$ 0.122 χ^2 /NDF: 2427.3/2

Right Out: 84.116 $\pm$ 0.069 χ^2 /NDF: 263788.9/18

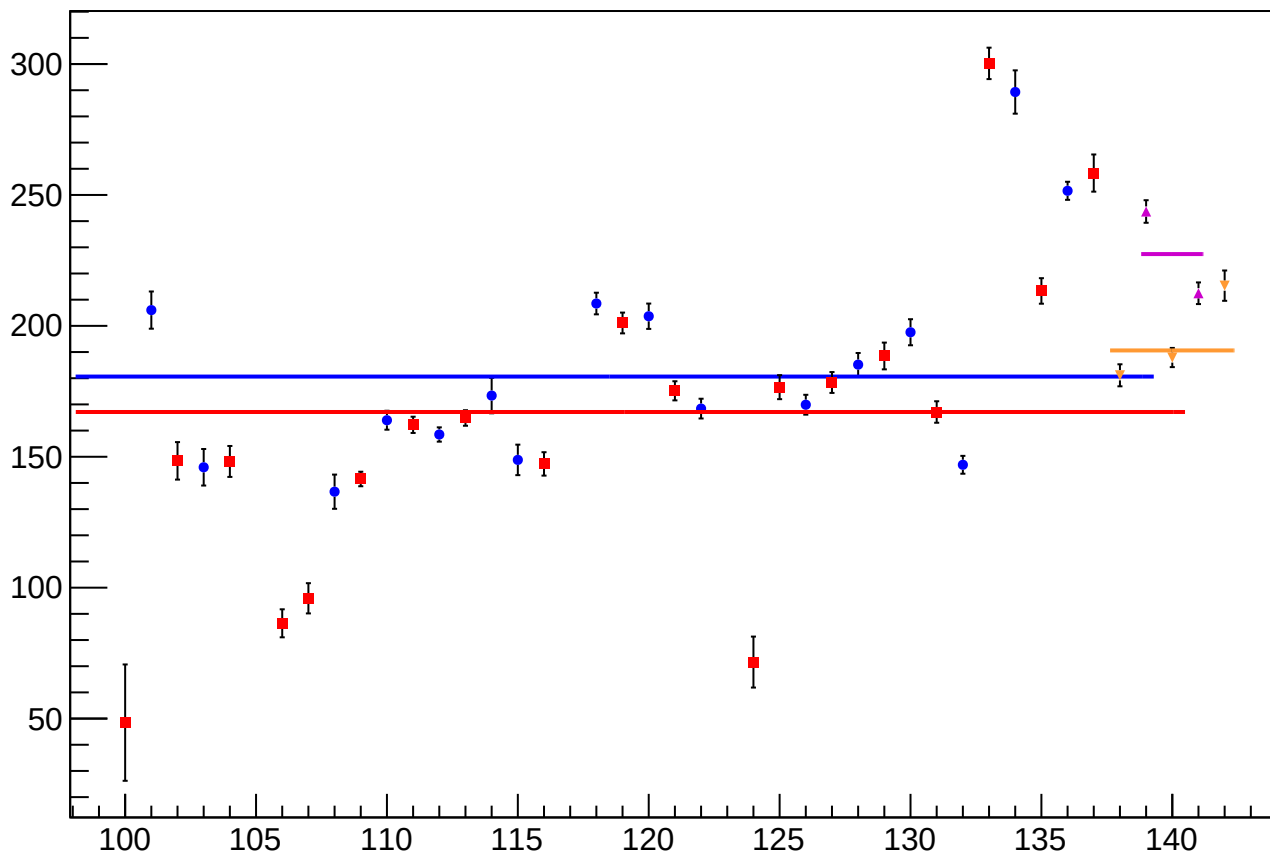
Left In: 137.530 $\pm$ 0.131 χ^2 /NDF: 2054.3/1

+ sign 110.917 $\pm$ 0.063 χ^2 /NDF: 143219.5/18

All: 103.116 $\pm$ 0.044 χ^2 /NDF: 568992.7/39

- sign 95.813 $\pm$ 0.061 χ^2 /NDF: 396285.8/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 180.634 $\pm$ 1.090 χ^2 /NDF: 993.4/15

Left Out: 190.614 $\pm$ 2.494 χ^2 /NDF: 23.9/2

Right Out: 167.102 $\pm$ 1.021 χ^2 /NDF: 1484.6/18

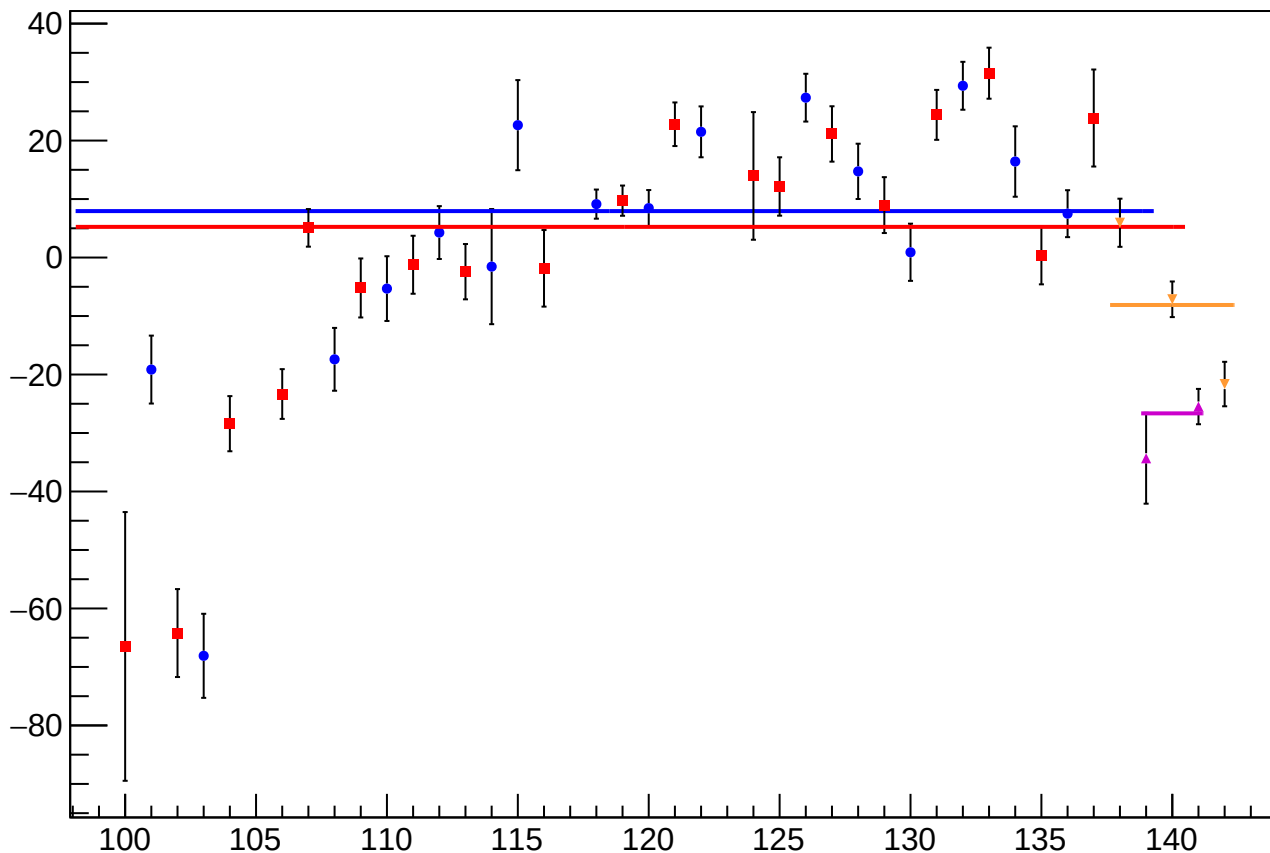
Left In: 227.422 $\pm$ 2.984 χ^2 /NDF: 27.3/1

+ sign 182.234 $\pm$ 0.998 χ^2 /NDF: 1030.8/18

All: 177.682 $\pm$ 0.694 χ^2 /NDF: 2948.8/39

- sign 173.422 $\pm$ 0.966 χ^2 /NDF: 1877.7/20

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: -8.111 ± 2.058 χ^2/NDF : 24.4/2

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

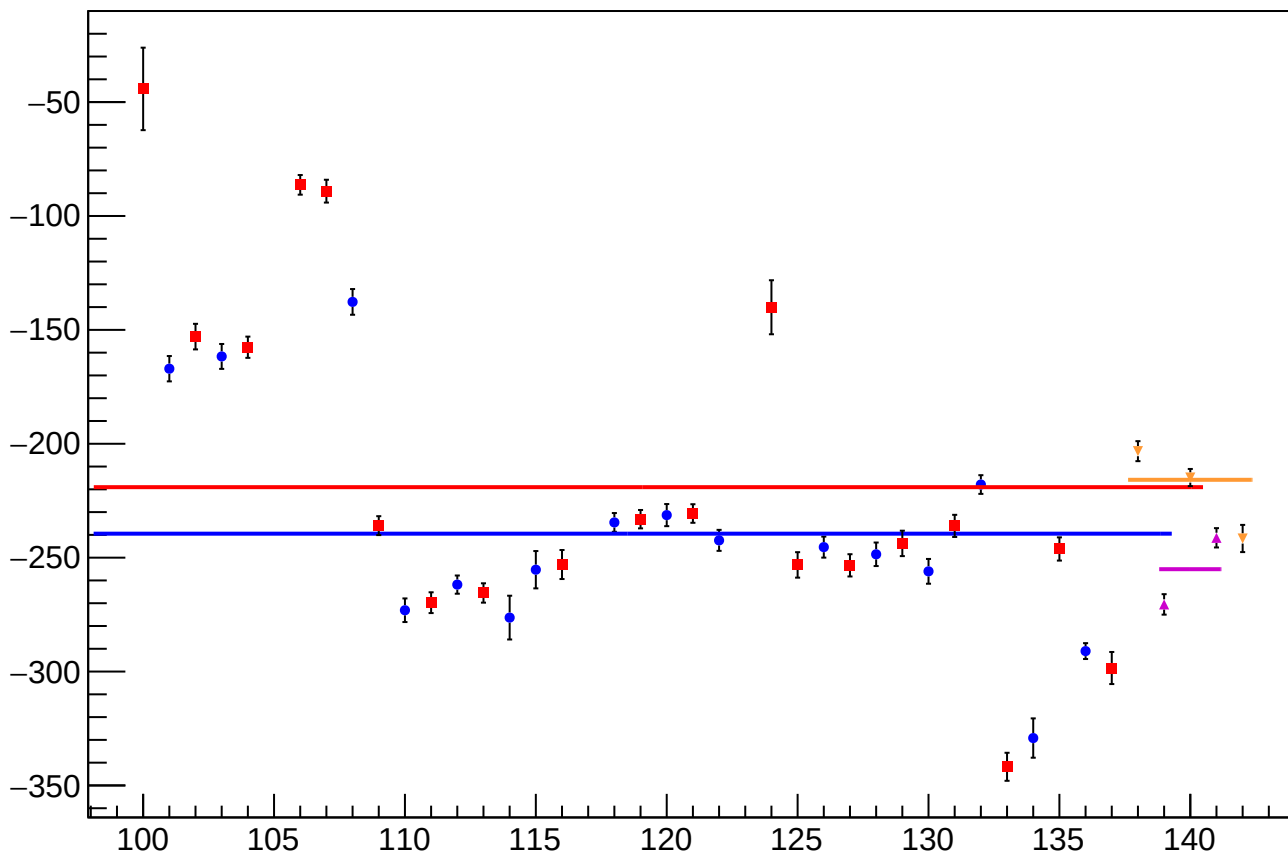
Left In: -26.643 ± 2.816 χ^2/NDF : 1.1/1

+ sign 4.309 ± 0.979 χ^2/NDF : 304.4/18

All: 2.813 ± 0.697 χ^2/NDF : 725.5/39

- sign 1.272 ± 0.994 χ^2/NDF : 416.3/20

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: -215.819+/-2.579 χ^2/NDF : 26.9/2

Right Out: -219.053+/-1.176 χ^2/NDF : 3049.3/18

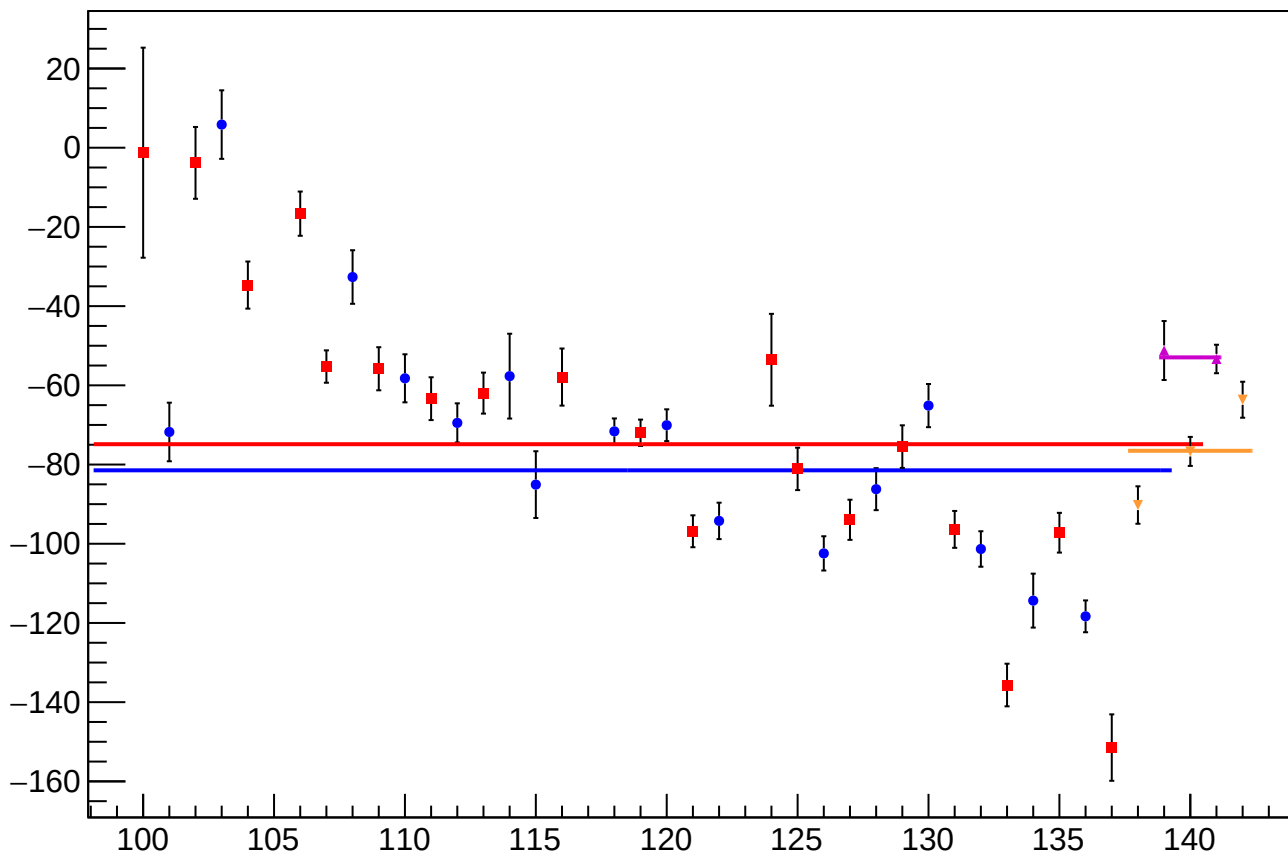
Left In: -255.062+/-3.084 χ^2/NDF : 22.4/1

+ sign -234.995+/-1.121 χ^2/NDF : 1257.3/18

All: -229.196+/-0.785 χ^2/NDF : 4500.5/39

- sign -223.626+/-1.099 χ^2/NDF : 3190.7/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -81.462 ± 1.287 χ^2/NDF : 366.5/15

Left Out: -76.527 ± 2.441 χ^2/NDF : 16.4/2

Right Out: -74.861 ± 1.230 χ^2/NDF : 576.6/18

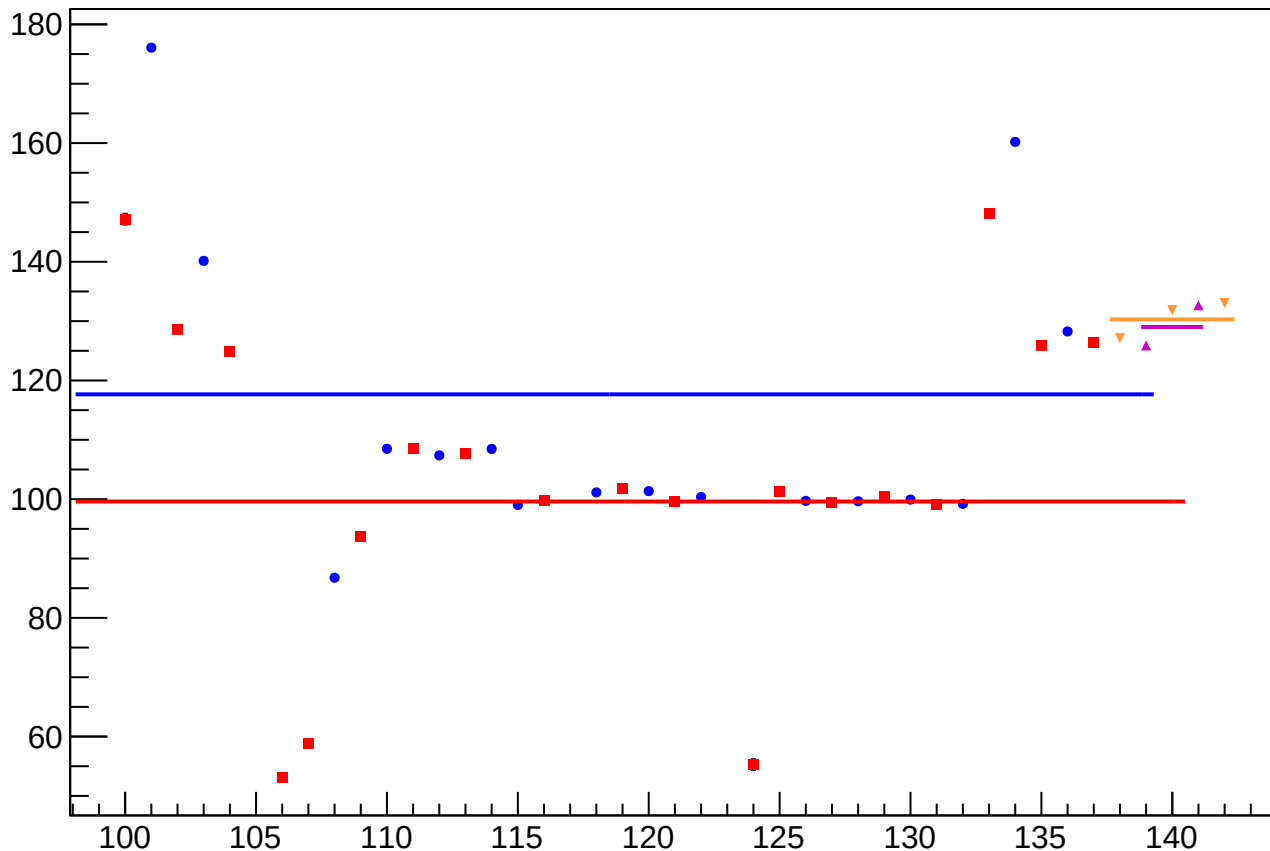
Left In: -52.941 ± 3.238 χ^2/NDF : 0.1/1

+ sign -80.389 ± 1.138 χ^2/NDF : 386.1/18

All: -76.285 ± 0.809 χ^2/NDF : 1029.1/39

- sign -72.097 ± 1.150 χ^2/NDF : 616.7/20

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: 130.293 $\pm$ 0.109 χ^2 /NDF: 533.9/2

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

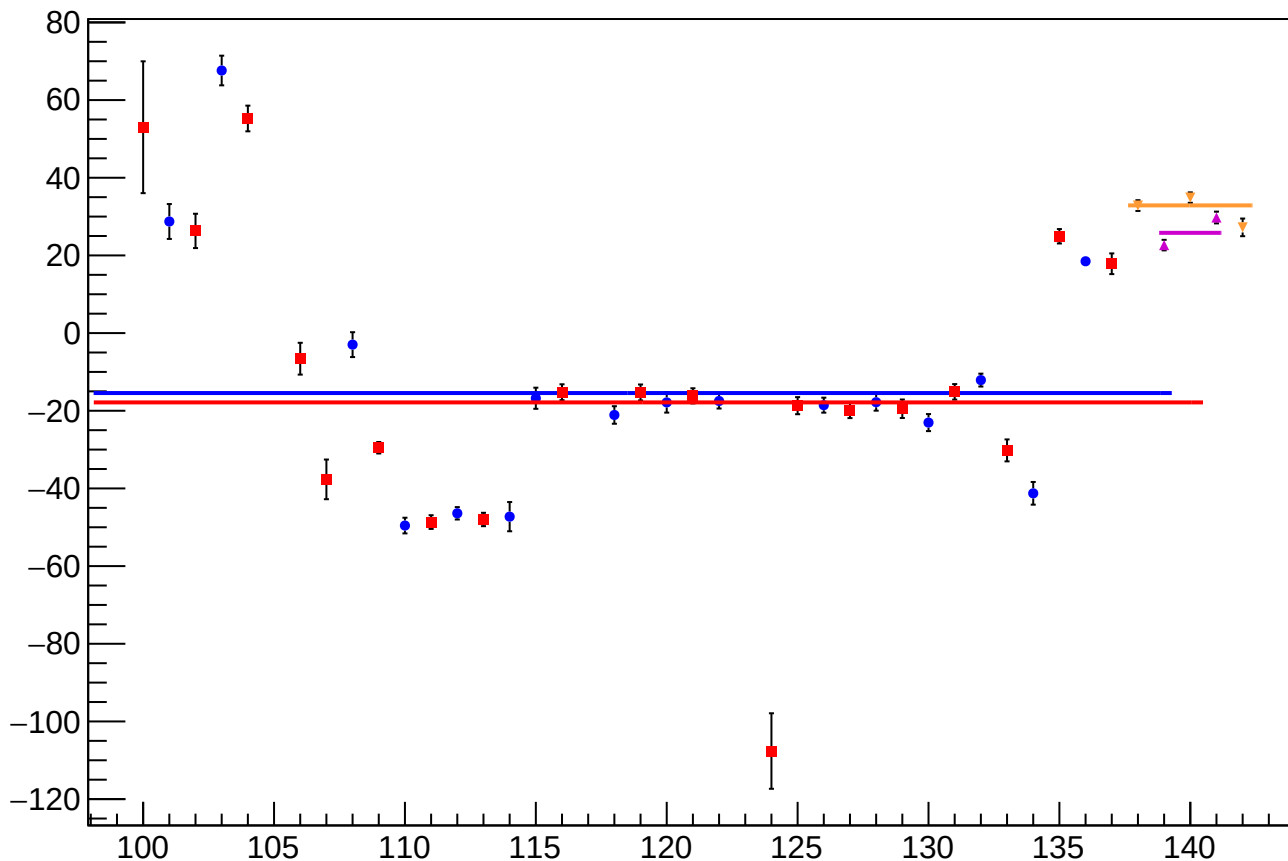
Left In: 129.012 $\pm$ 0.118 χ^2 /NDF: 818.0/1

+ sign 121.957 $\pm$ 0.064 χ^2 /NDF: 104779.2/18

All: 114.257 $\pm$ 0.044 χ^2 /NDF: 345581.3/39

- sign 107.311 $\pm$ 0.060 χ^2 /NDF: 212907.9/20

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: 32.881 ± 0.887 χ^2/NDF : 8.5/2

Right Out: -17.848 ± 0.530 χ^2/NDF : 2125.2/18

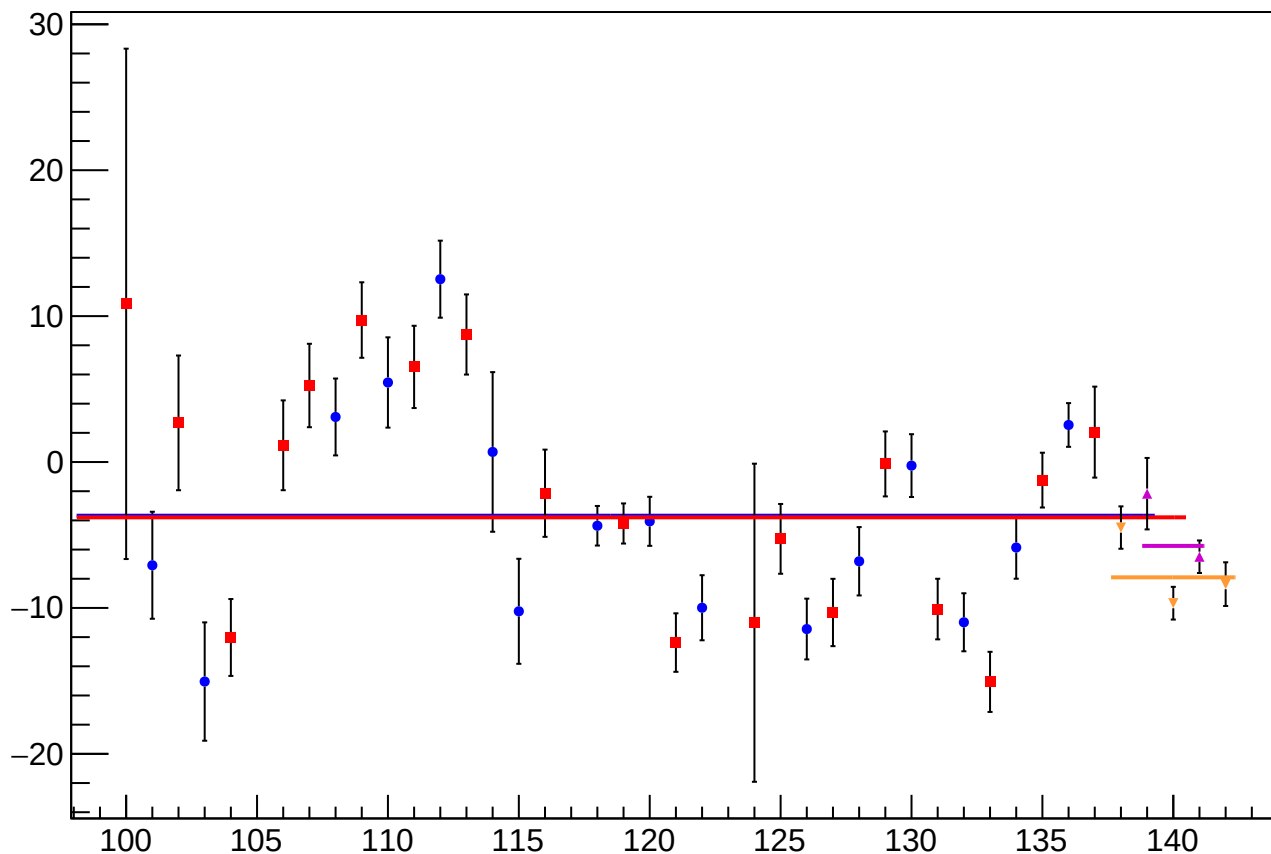
Left In: 25.816 ± 1.011 χ^2/NDF : 12.2/1

+ sign -2.407 ± 0.461 χ^2/NDF : 4299.6/18

All: -5.373 ± 0.329 χ^2/NDF : 7984.4/39

- sign -8.450 ± 0.469 χ^2/NDF : 3600.3/20

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679 ± 0.552 χ^2/NDF : 124.0/15

Left Out: -7.903 ± 0.763 χ^2/NDF : 8.1/2

Right Out: -3.790 ± 0.564 χ^2/NDF : 161.2/18

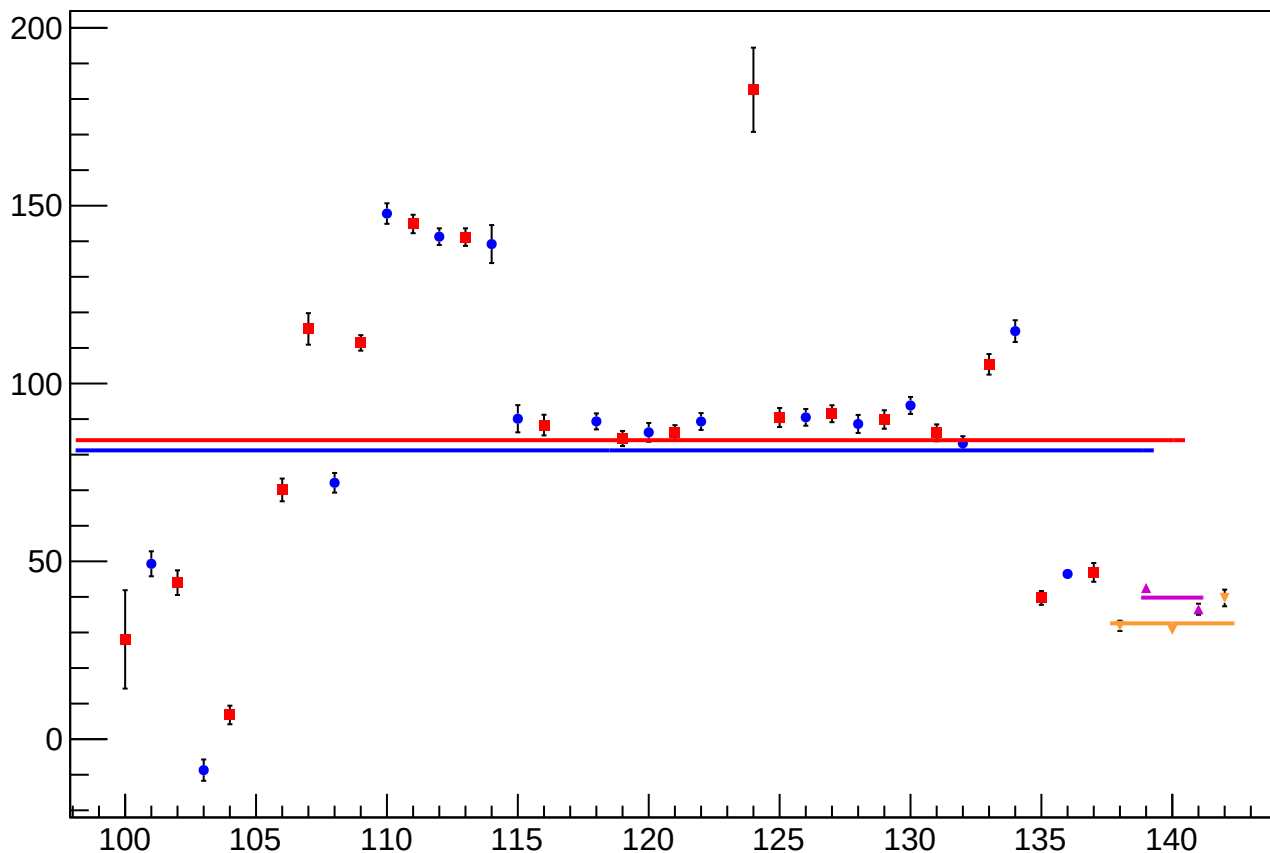
Left In: -5.748 ± 1.015 χ^2/NDF : 2.6/1

+ sign -5.129 ± 0.447 χ^2/NDF : 152.2/18

All: -4.733 ± 0.331 χ^2/NDF : 320.6/39

- sign -4.252 ± 0.493 χ^2/NDF : 166.6/20

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203 $\pm$ 0.607 χ^2 /NDF: 3230.5/15

Left Out: 32.556 $\pm$ 0.918 χ^2 /NDF: 11.3/2

Right Out: 84.065 $\pm$ 0.616 χ^2 /NDF: 3206.5/18

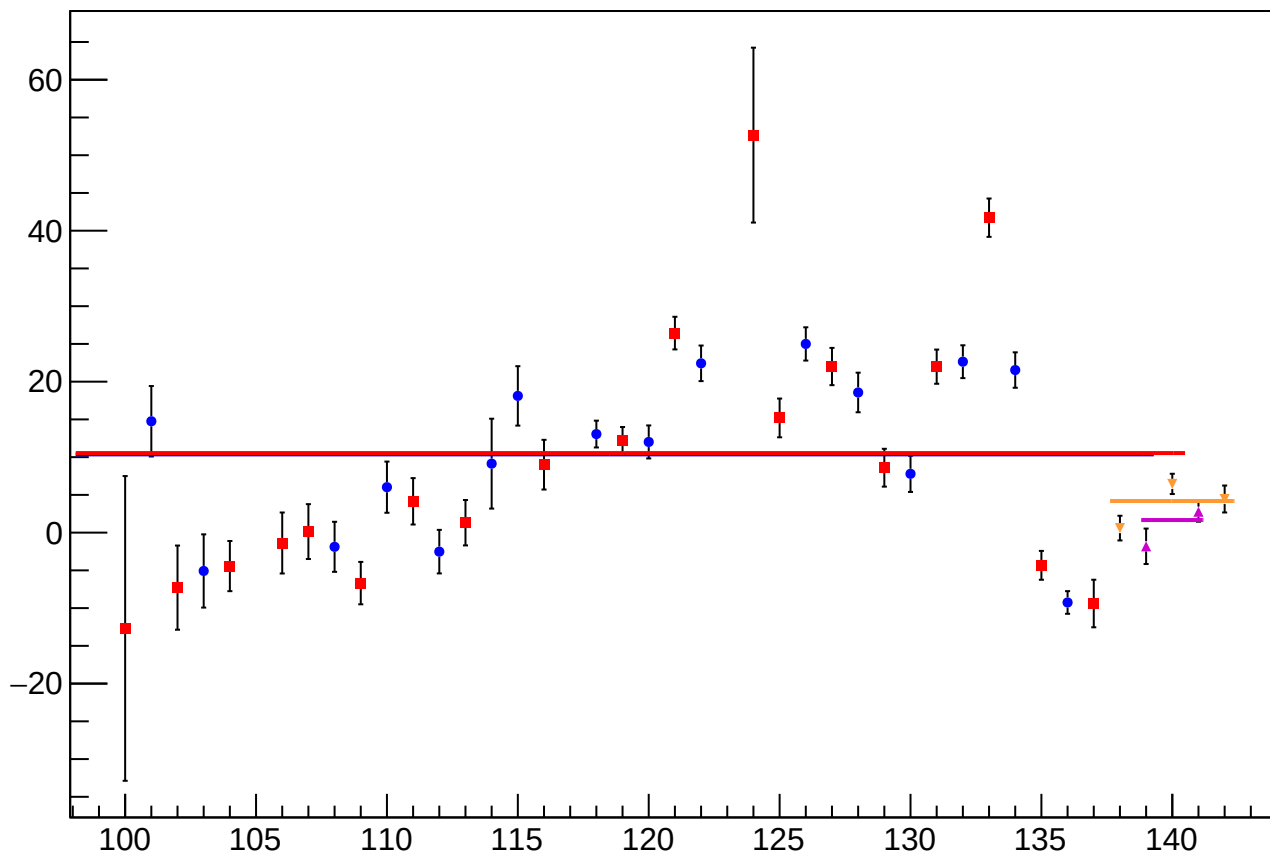
Left In: 39.803 $\pm$ 1.047 χ^2 /NDF: 8.1/1

+ sign 66.408 $\pm$ 0.506 χ^2 /NDF: 5194.9/18

All: 69.390 $\pm$ 0.366 χ^2 /NDF: 9810.4/39

- sign 72.669 $\pm$ 0.531 χ^2 /NDF: 4542.7/20

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367 $\pm$ 0.627 χ^2 /NDF: 359.8/15

Left Out: 4.190 $\pm$ 0.897 χ^2 /NDF: 7.7/2

Right Out: 10.539 $\pm$ 0.640 χ^2 /NDF: 470.7/18

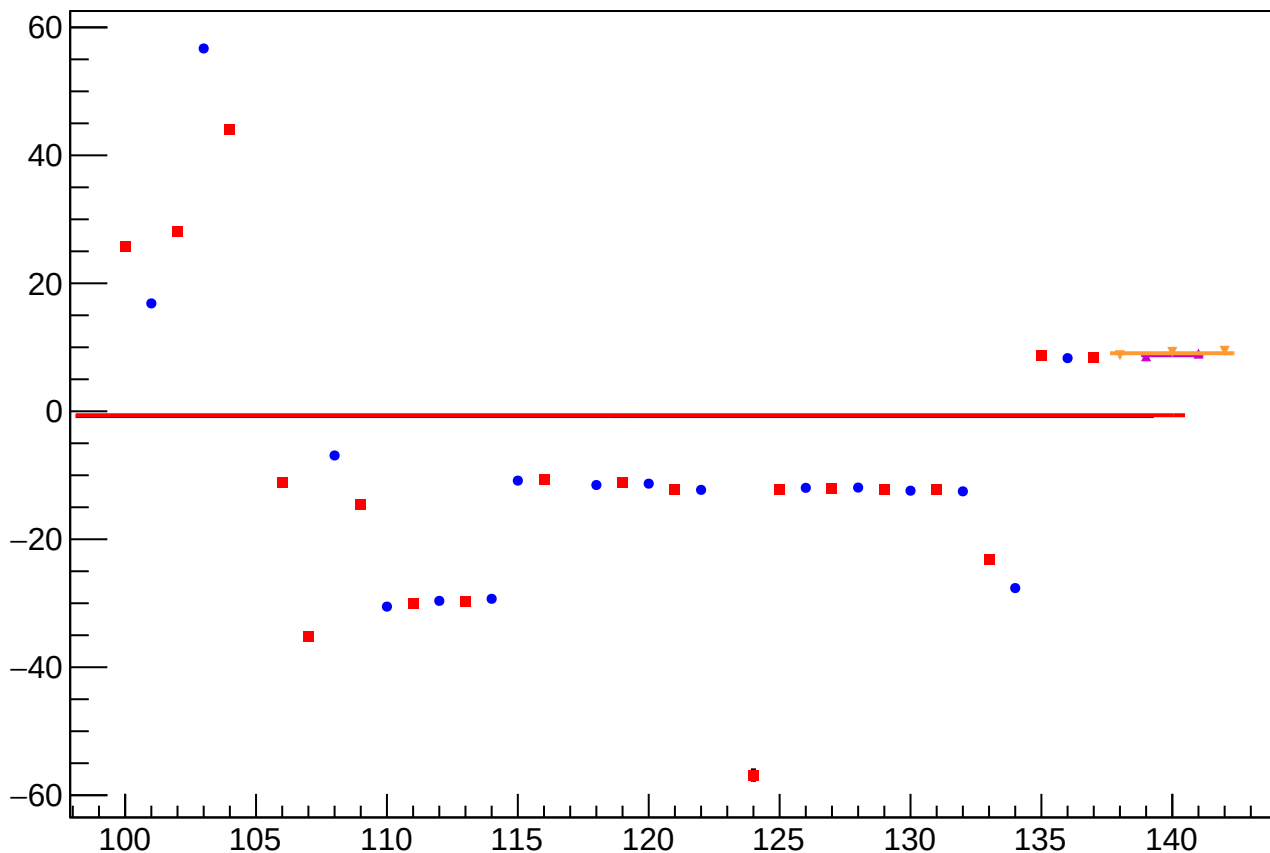
Left In: 1.668 $\pm$ 1.152 χ^2 /NDF: 2.9/1

+ sign 8.342 $\pm$ 0.514 χ^2 /NDF: 399.3/18

All: 8.389 $\pm$ 0.378 χ^2 /NDF: 918.3/39

- sign 8.446 $\pm$ 0.560 χ^2 /NDF: 518.9/20

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: 9.070 ± 0.038 χ^2/NDF : 55.7/2

Right Out: -0.618 ± 0.037 χ^2/NDF : 316492.6/18

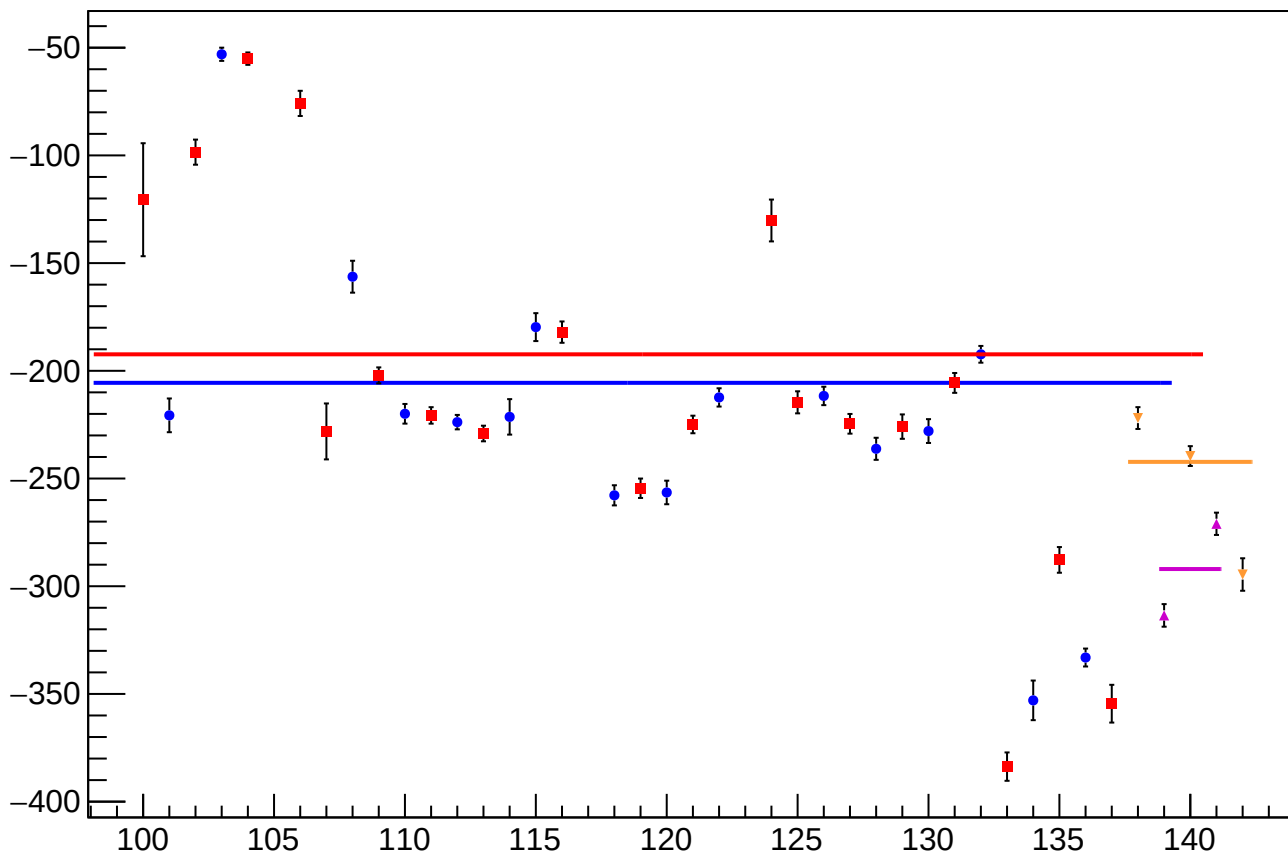
Left In: 8.764 ± 0.039 χ^2/NDF : 26.2/1

+ sign 3.855 ± 0.026 χ^2/NDF : 403126.6/18

All: 3.833 ± 0.019 χ^2/NDF : 749446.7/39

- sign 3.809 ± 0.027 χ^2/NDF : 346318.6/20

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -205.577 ± 1.185 $\chi^2/\text{NDF}: 4056.0/15$

Left Out: -242.270 ± 3.105 $\chi^2/\text{NDF}: 64.5/2$

Right Out: -192.345 ± 1.123 $\chi^2/\text{NDF}: 4969.8/18$

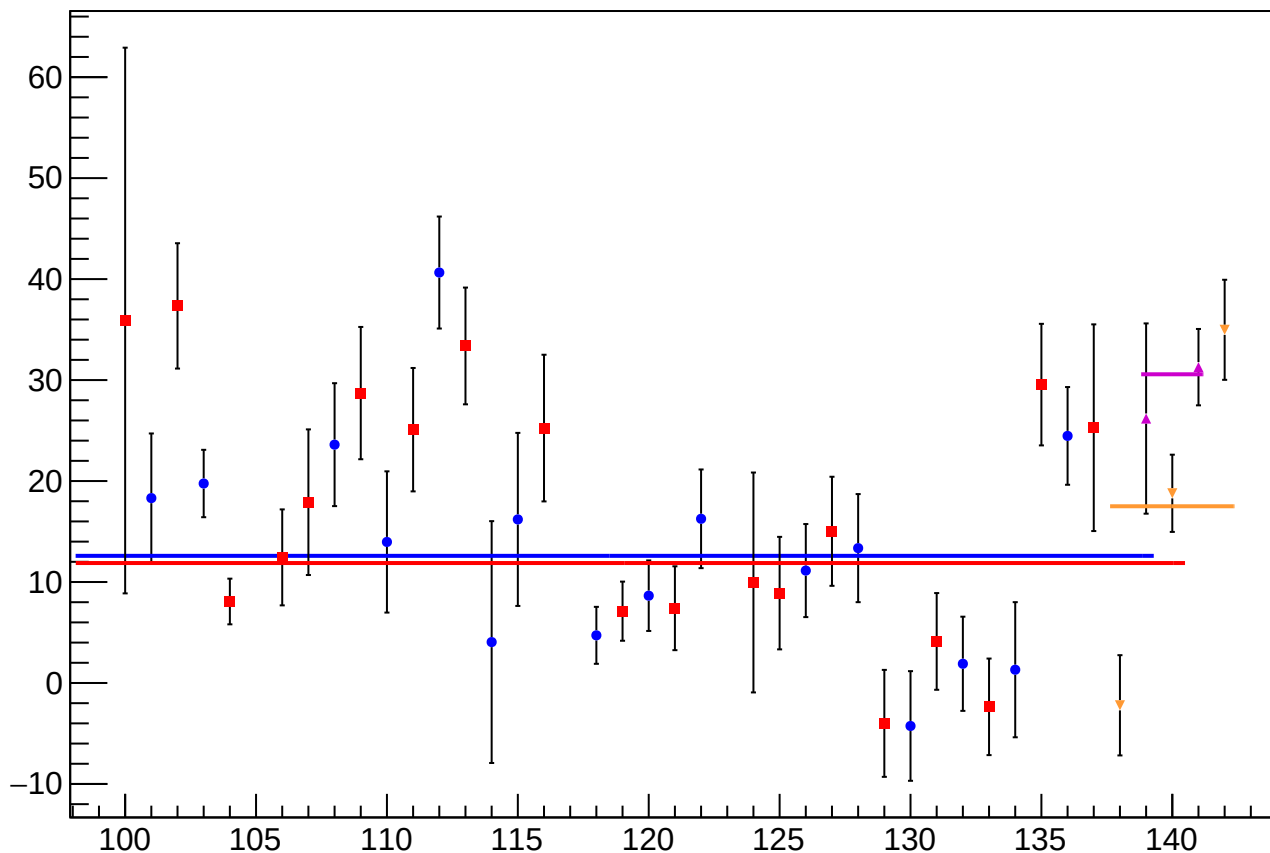
Left In: -292.016 ± 3.685 $\chi^2/\text{NDF}: 33.3/1$

+ sign -210.240 ± 1.107 $\chi^2/\text{NDF}: 4242.5/18$

All: -205.382 ± 0.771 $\chi^2/\text{NDF}: 9952.6/39$

- sign -200.810 ± 1.074 $\chi^2/\text{NDF}: 5672.7/20$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.592 $\pm$ 1.203 χ^2 /NDF: 68.5/15

Left Out: 17.501 $\pm$ 2.585 χ^2 /NDF: 28.3/2

Right Out: 11.880 $\pm$ 1.122 χ^2 /NDF: 84.9/18

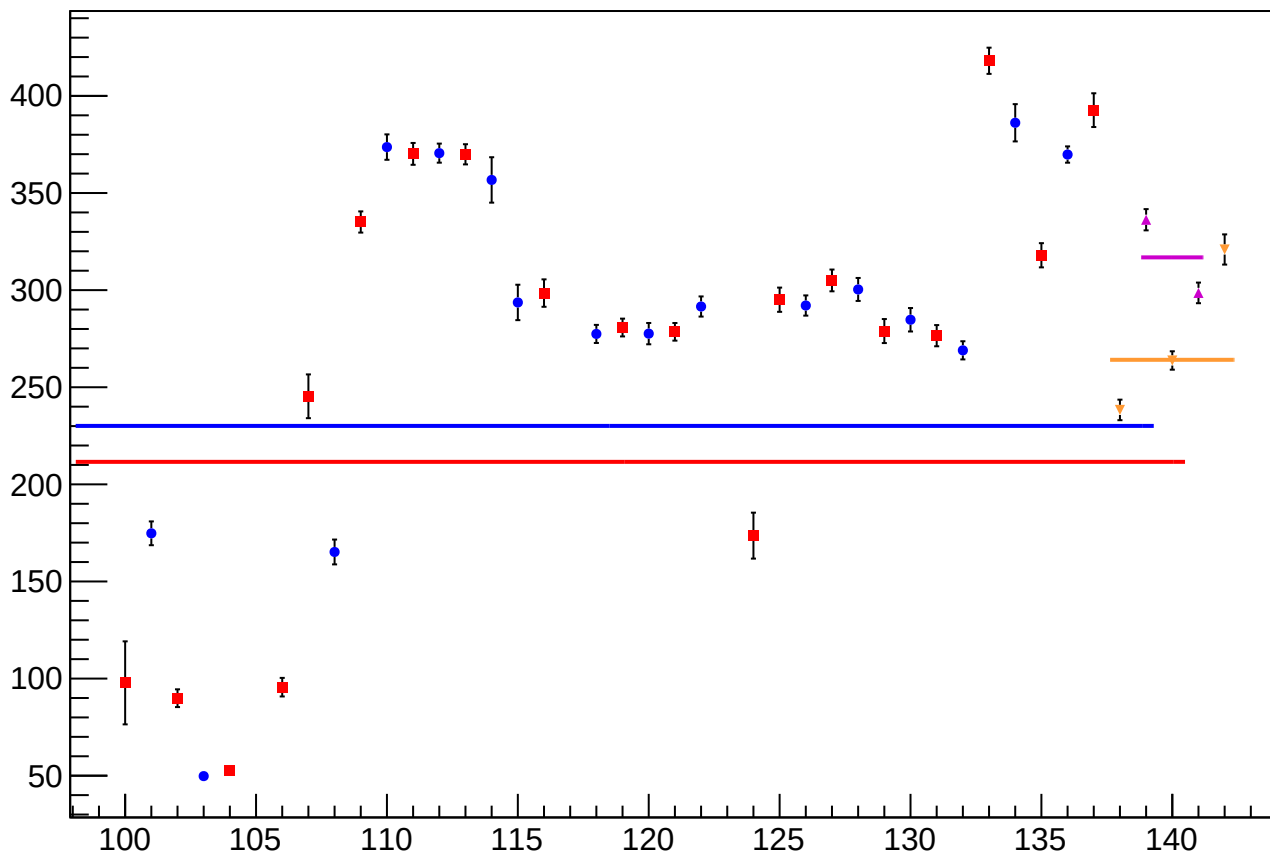
Left In: 30.573 $\pm$ 3.510 χ^2 /NDF: 0.3/1

+ sign 13.466 $\pm$ 1.090 χ^2 /NDF: 99.8/18

All: 13.540 $\pm$ 0.763 χ^2 /NDF: 210.7/39

- sign 13.612 $\pm$ 1.068 χ^2 /NDF: 110.9/20

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095 $\pm$ 1.260 χ^2/NDF : 9375.6/15

Left Out: 264.126 $\pm$ 3.212 χ^2/NDF : 77.2/2

Right Out: 211.588 $\pm$ 1.195 χ^2/NDF : 11472.1/18

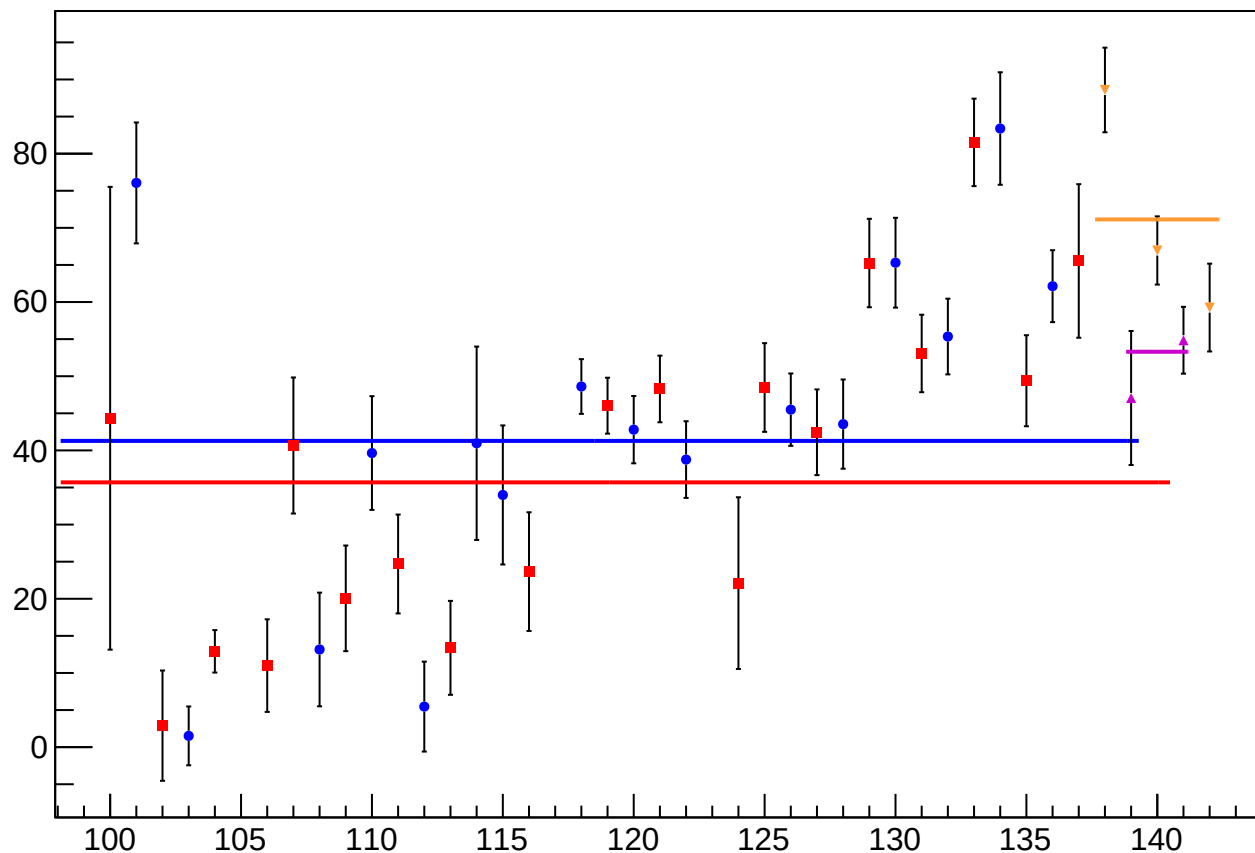
Left In: 316.864 $\pm$ 3.810 χ^2/NDF : 24.4/1

+ sign 234.632 $\pm$ 1.173 χ^2/NDF : 9550.1/18

All: 227.637 $\pm$ 0.818 χ^2/NDF : 21811.0/39

- sign 221.021 $\pm$ 1.140 χ^2/NDF : 12191.7/20

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: 71.135 $\pm$ 3.063 χ^2 /NDF:14.2/2

Right Out: 35.692 $\pm$ 1.317 χ^2 /NDF: 253.2/18

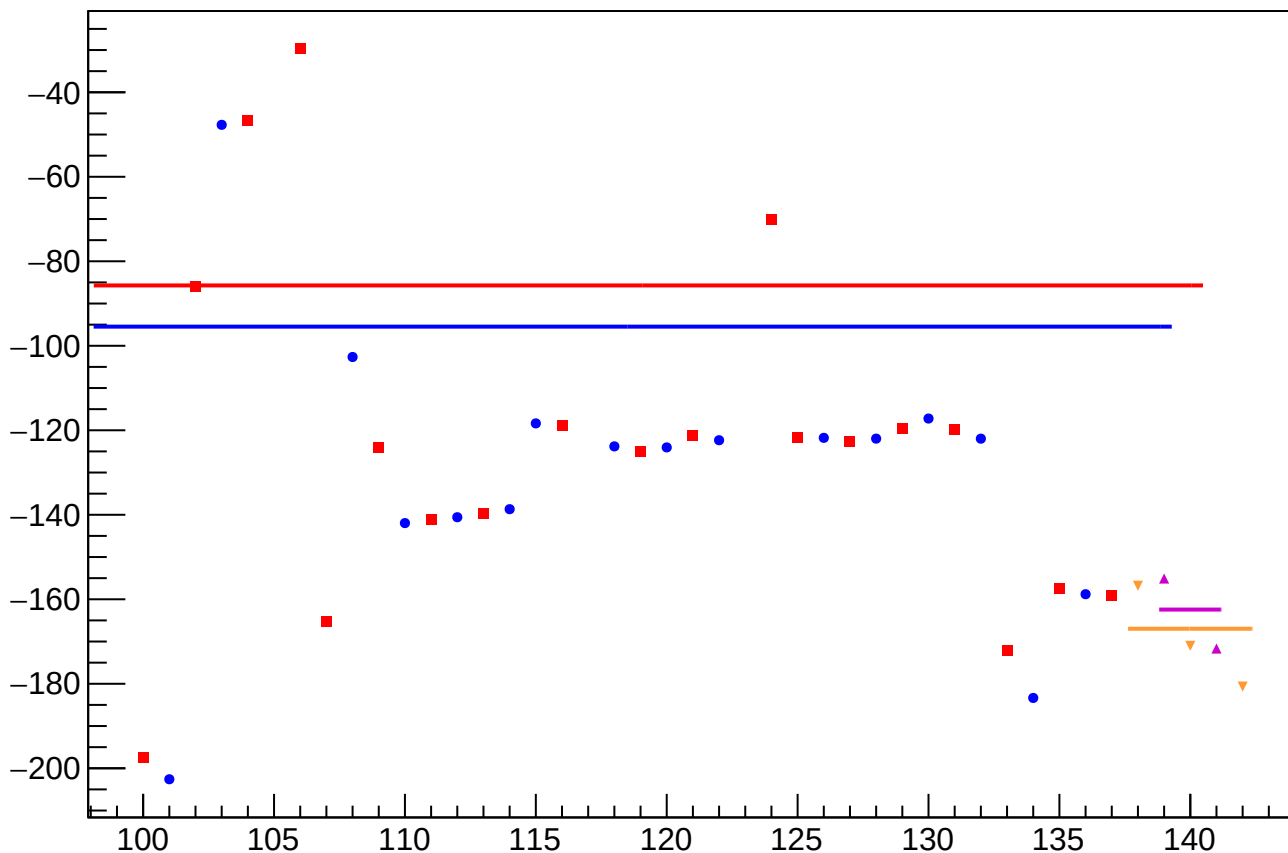
Left In: 53.299 $\pm$ 4.030 χ^2 /NDF:0.6/1

+ sign 46.425 $\pm$ 1.271 χ^2 /NDF: 338.6/18

All: 41.837 $\pm$ 0.892 χ^2 /NDF: 635.3/39

- sign 37.391 $\pm$ 1.252 χ^2 /NDF: 271.0/20

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: -166.971 $\pm$ 0.136 χ^2 /NDF: 4494.2/2

Right Out: -85.716 $\pm$ 0.067 χ^2 /NDF: 482604.9/18

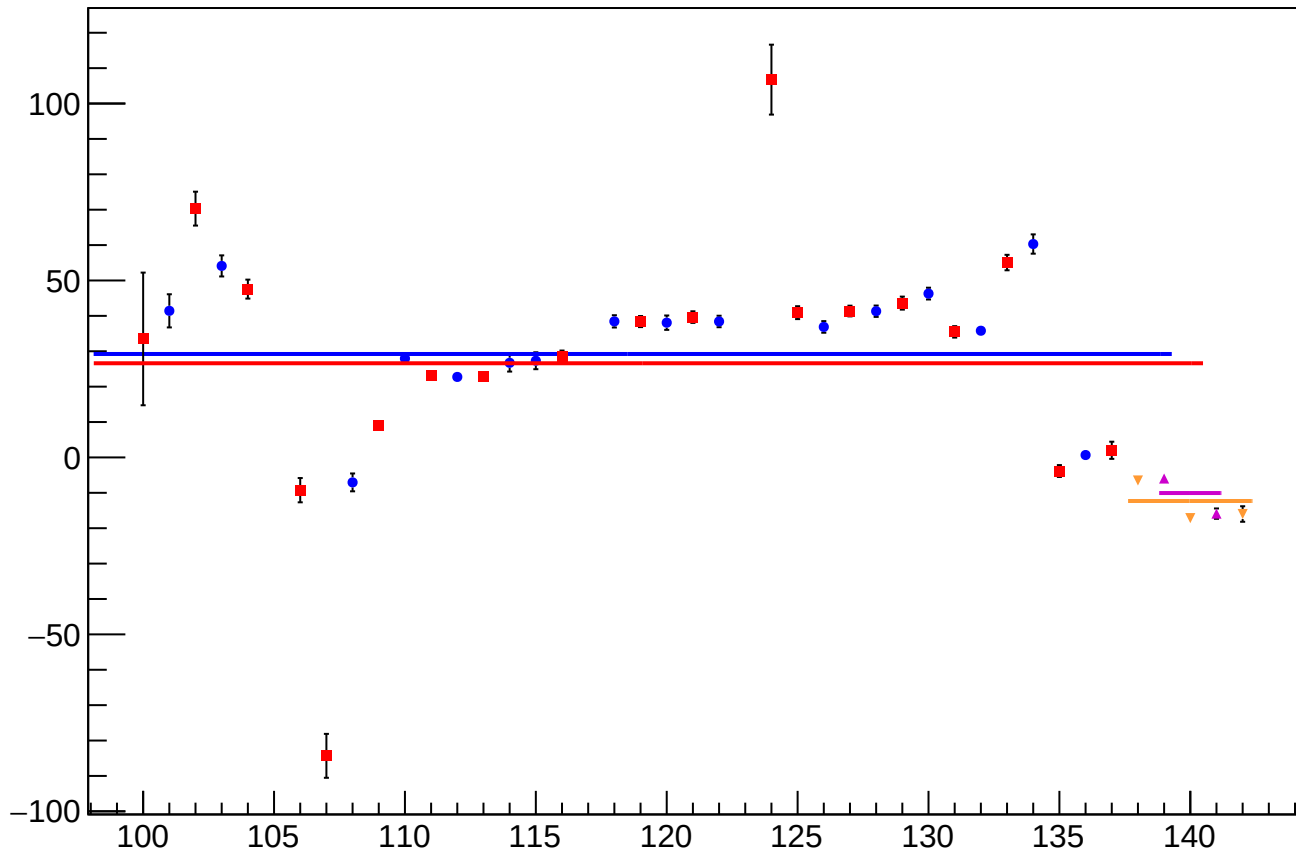
Left In: -162.434 $\pm$ 0.145 χ^2 /NDF: 3211.5/1

+ sign -110.306 $\pm$ 0.062 χ^2 /NDF: 744397.3/18

All: -104.640 $\pm$ 0.043 χ^2 /NDF: 1476849.9/39

- sign -99.161 $\pm$ 0.061 χ^2 /NDF: 715933.8/20

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: -12.312+/-0.832 χ^2/NDF : 38.2/2

Right Out: 26.609+/-0.414 χ^2/NDF : 1920.6/18

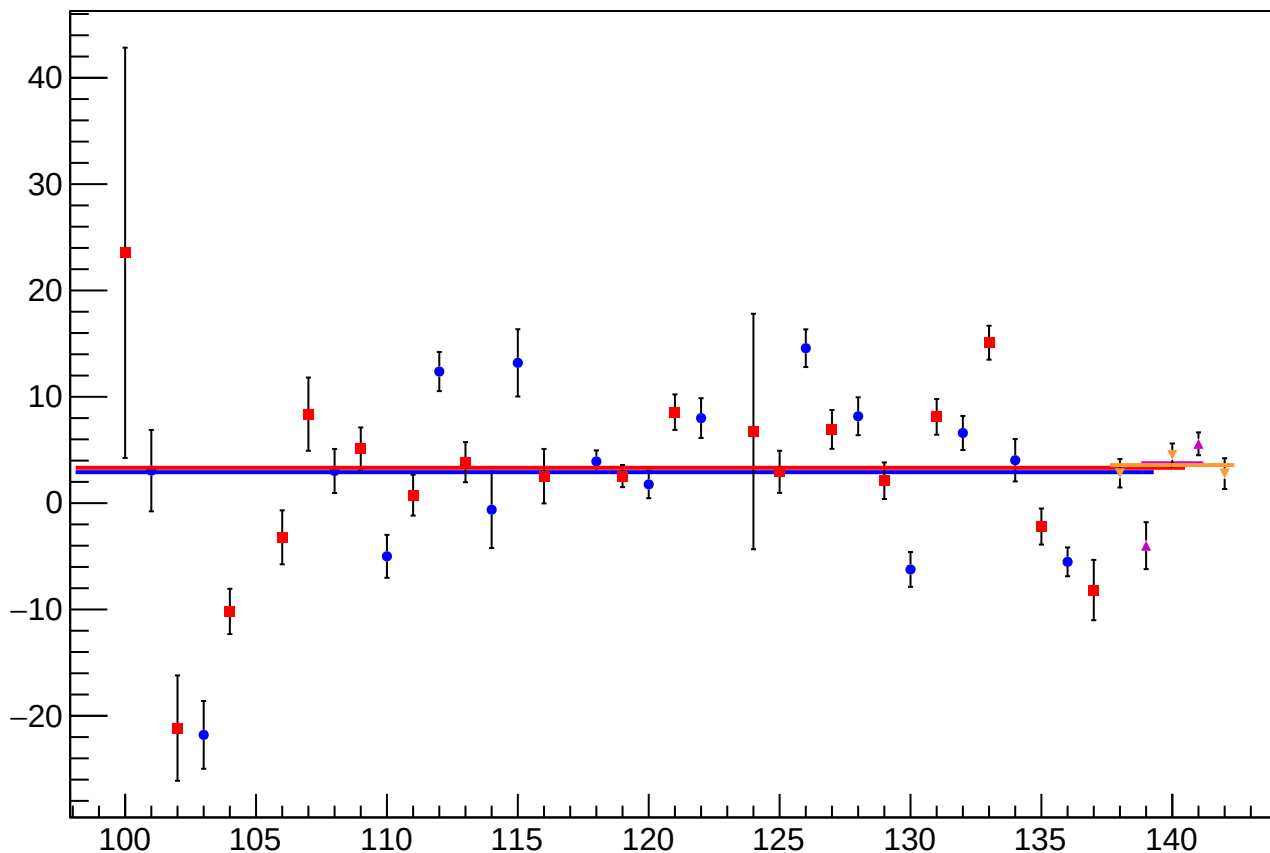
Left In: -10.061+/-0.939 χ^2/NDF : 27.1/1

+ sign 20.660+/-0.378 χ^2/NDF : 3358.6/18

All: 20.647+/-0.268 χ^2/NDF : 6584.2/39

- sign 20.634+/-0.379 χ^2/NDF : 3225.5/20

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: 3.581 ± 0.727 χ^2/NDF : 1.4/2

Right Out: 3.326 ± 0.454 χ^2/NDF : 181.8/18

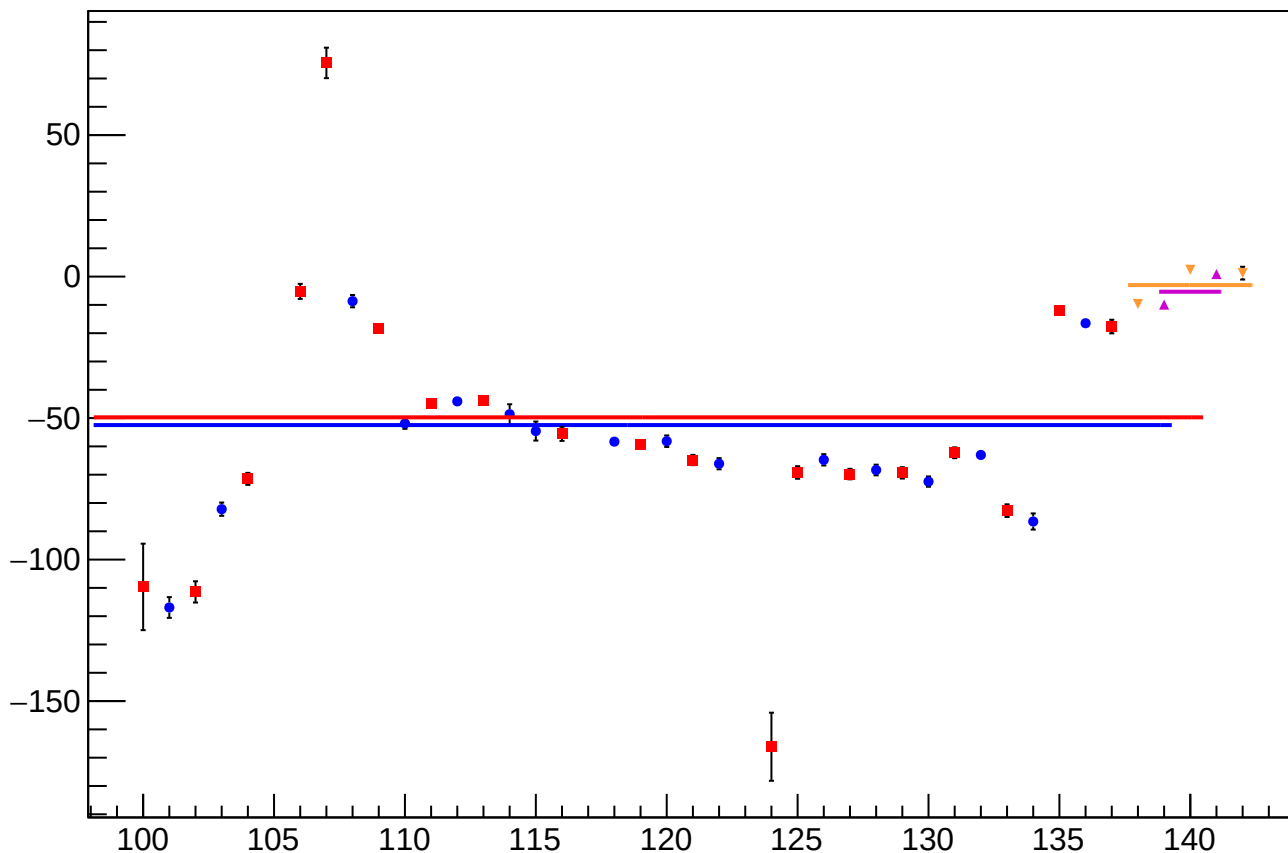
Left In: 3.750 ± 0.966 χ^2/NDF : 15.2/1

+ sign 3.093 ± 0.378 χ^2/NDF : 252.0/18

All: 3.235 ± 0.278 χ^2/NDF : 449.4/39

- sign 3.402 ± 0.411 χ^2/NDF : 197.1/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -52.467 $\pm$ 0.488 χ^2 /NDF: 2330.2/15

Left Out: -2.997 $\pm$ 0.862 χ^2 /NDF:46.1/2

Right Out: -49.734 $\pm$ 0.494 χ^2 /NDF: 3009.7/18

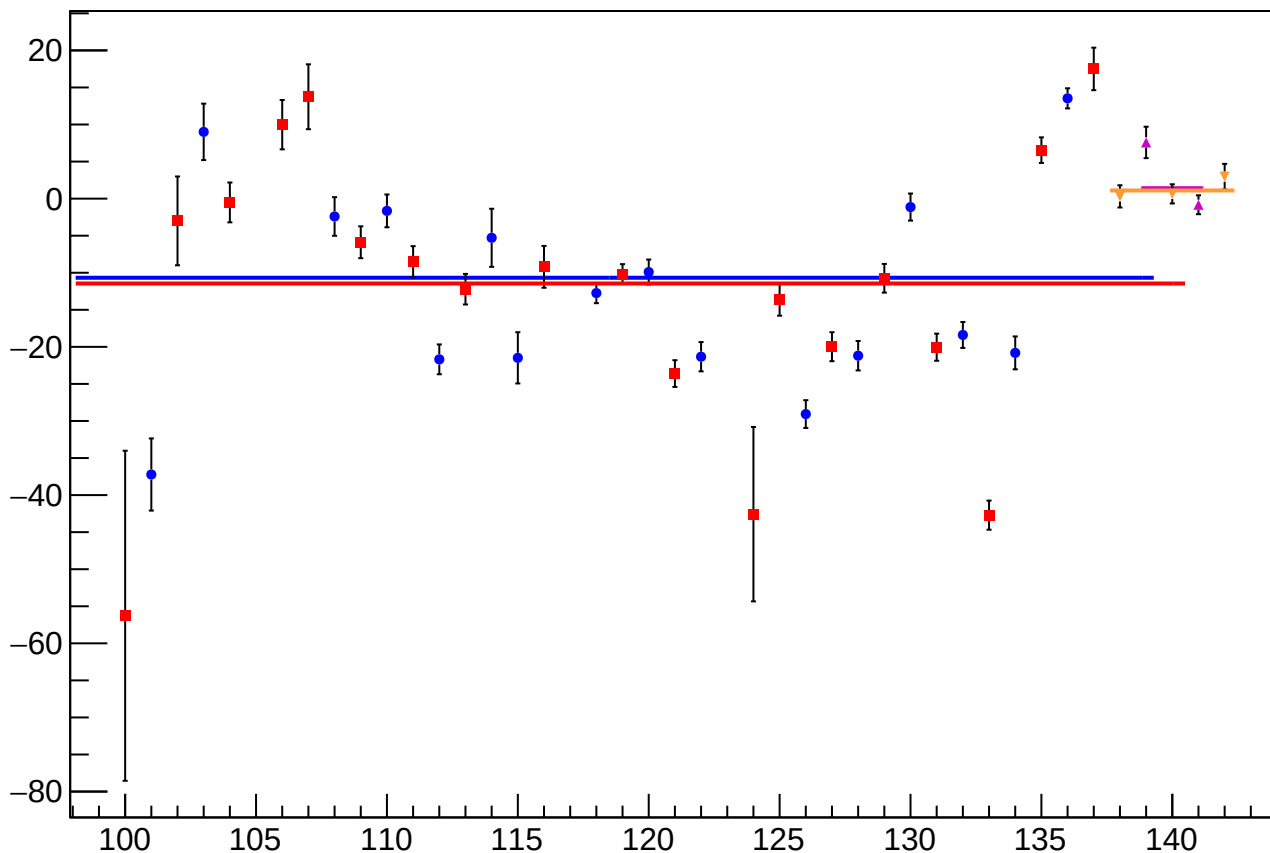
Left In: -5.351 $\pm$ 0.972 χ^2 /NDF:30.1/1

+ sign -40.468 $\pm$ 0.425 χ^2 /NDF: 4871.1/18

All: -40.541 $\pm$ 0.306 χ^2 /NDF: 9568.3/39

- sign -40.620 $\pm$ 0.440 χ^2 /NDF: 4697.1/20

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: 1.101 ± 0.851 χ^2/NDF : 1.6/2

Right Out: -11.450 ± 0.516 χ^2/NDF : 665.7/18

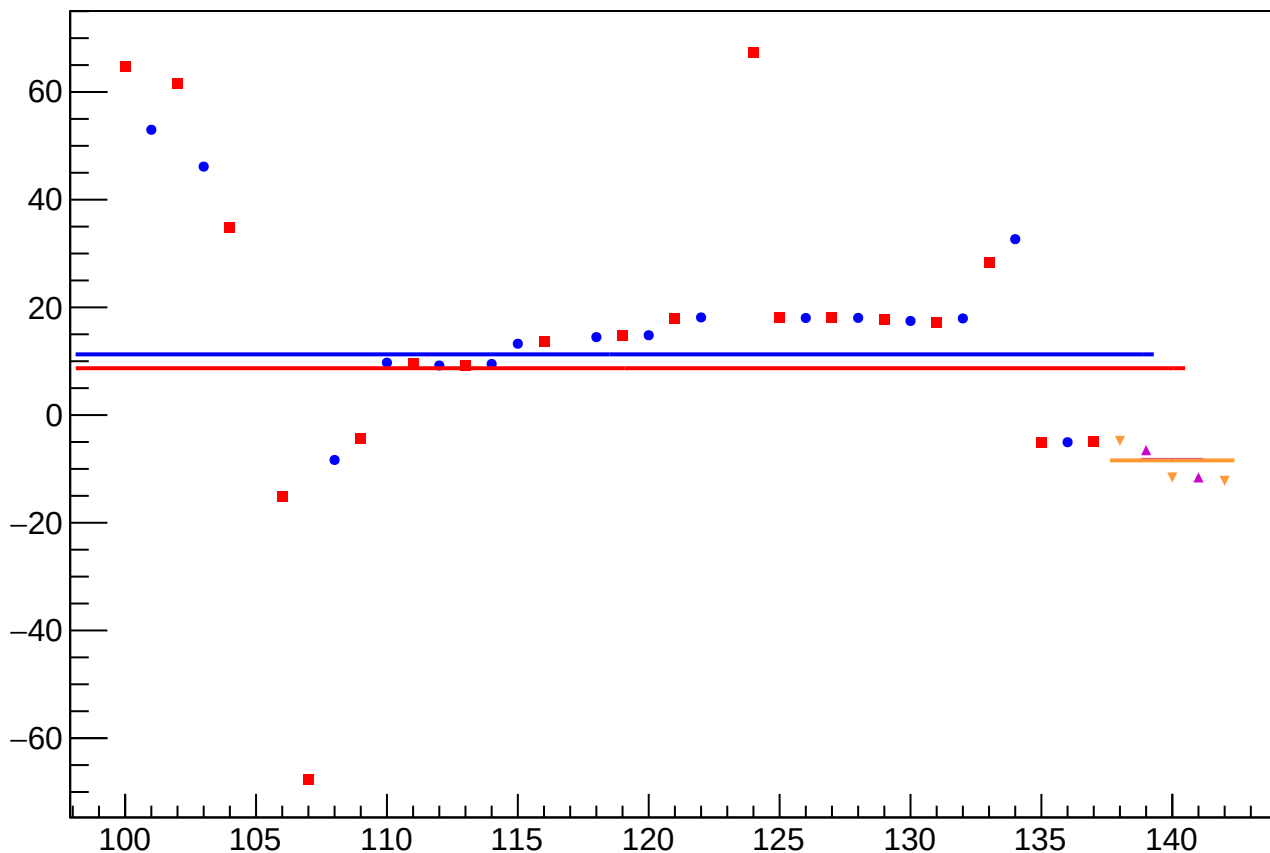
Left In: 1.405 ± 1.091 χ^2/NDF : 11.6/1

+ sign -7.604 ± 0.435 χ^2/NDF : 809.5/18

All: -8.299 ± 0.318 χ^2/NDF : 1605.7/39

- sign -9.101 ± 0.467 χ^2/NDF : 790.7/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 11.277 $\pm$ 0.030 χ^2 /NDF: 349346.9/15

Left Out: -8.416 $\pm$ 0.036 χ^2 /NDF: 9577.4/2

Right Out: 8.698 $\pm$ 0.031 χ^2 /NDF: 436156.0/18

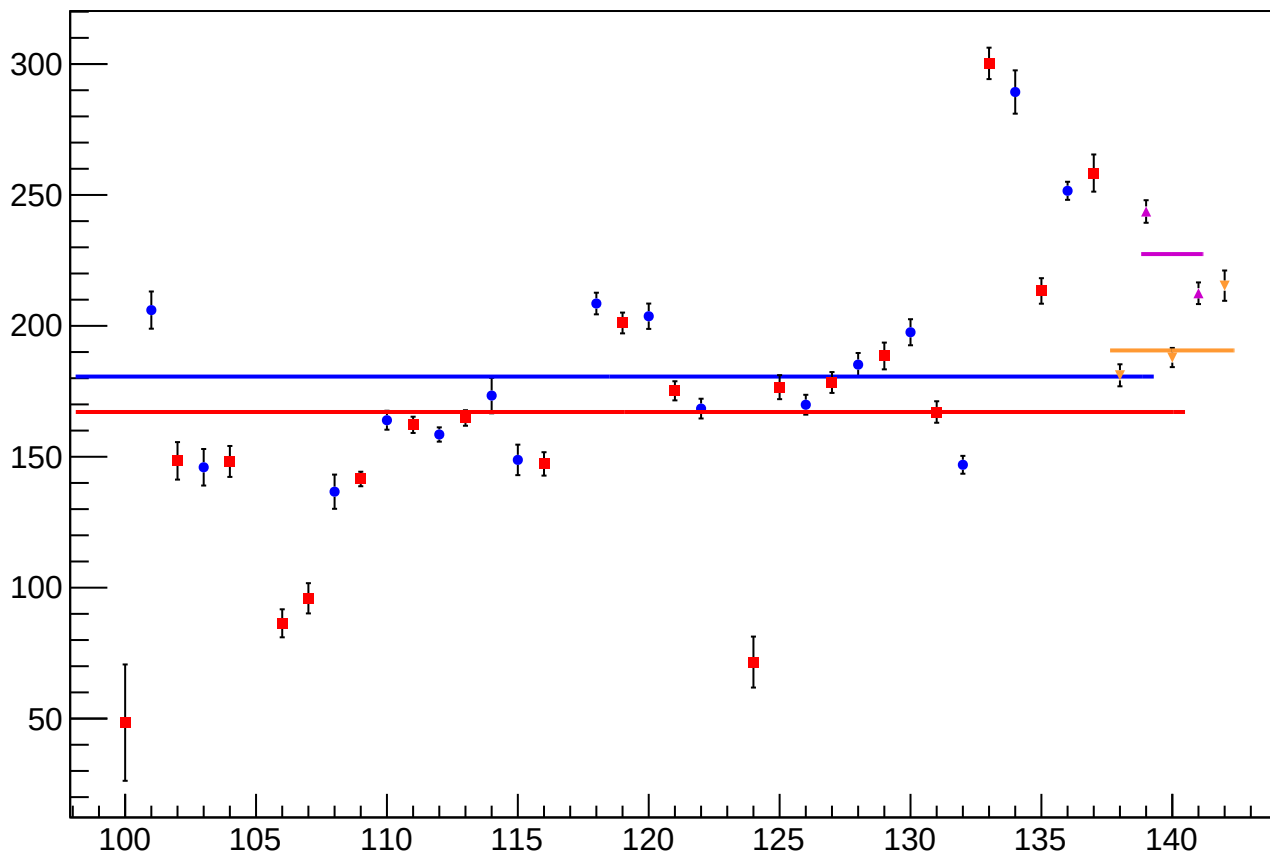
Left In: -8.327 $\pm$ 0.037 χ^2 /NDF: 4418.5/1

+ sign 3.146 $\pm$ 0.023 χ^2 /NDF: 537764.3/18

All: 2.331 $\pm$ 0.017 χ^2 /NDF: 1105908.9/39

- sign 1.452 $\pm$ 0.024 χ^2 /NDF: 565519.7/20

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 180.634 $\pm$ 1.090 χ^2 /NDF: 993.4/15

Left Out: 190.614 $\pm$ 2.494 χ^2 /NDF: 23.9/2

Right Out: 167.102 $\pm$ 1.021 χ^2 /NDF: 1484.6/18

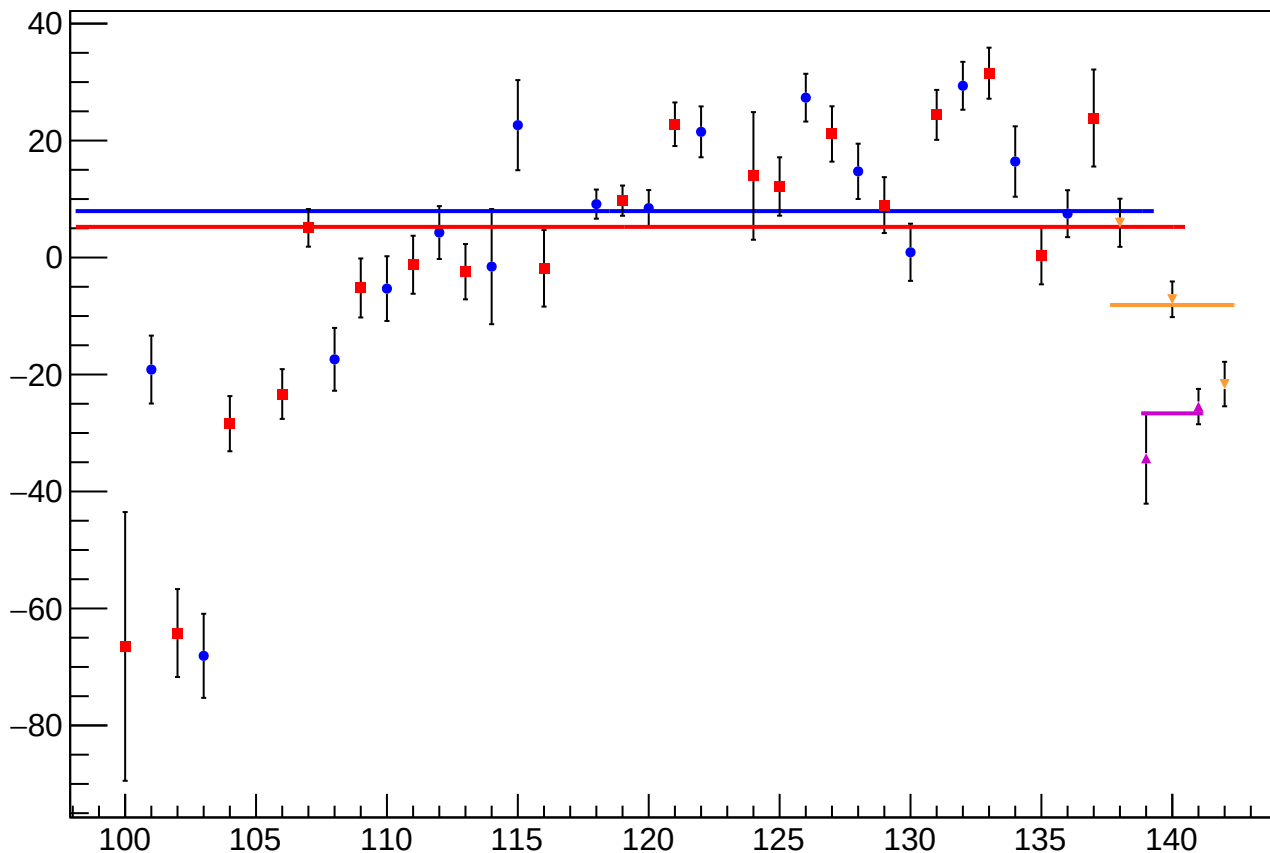
Left In: 227.422 $\pm$ 2.984 χ^2 /NDF: 27.3/1

+ sign 182.234 $\pm$ 0.998 χ^2 /NDF: 1030.8/18

All: 177.682 $\pm$ 0.694 χ^2 /NDF: 2948.8/39

- sign 173.422 $\pm$ 0.966 χ^2 /NDF: 1877.7/20

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: -8.111 ± 2.058 χ^2/NDF : 24.4/2

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

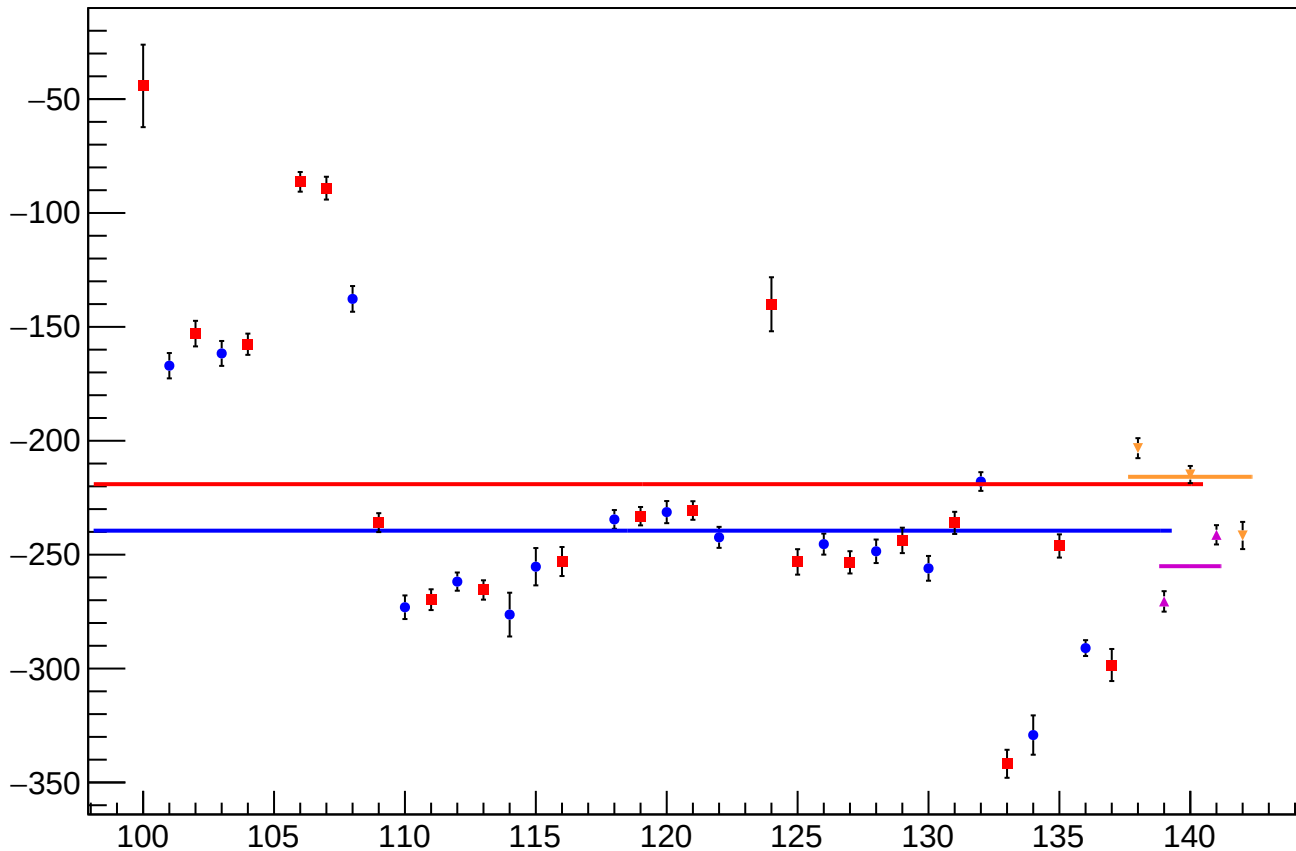
Left In: -26.643 ± 2.816 χ^2/NDF : 1.1/1

+ sign 4.309 ± 0.979 χ^2/NDF : 304.4/18

All: 2.813 ± 0.697 χ^2/NDF : 725.5/39

- sign 1.272 ± 0.994 χ^2/NDF : 416.3/20

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: -215.819 ± 2.579 χ^2/NDF : 26.9/2

Right Out: -219.053 ± 1.176 χ^2/NDF : 3049.3/18

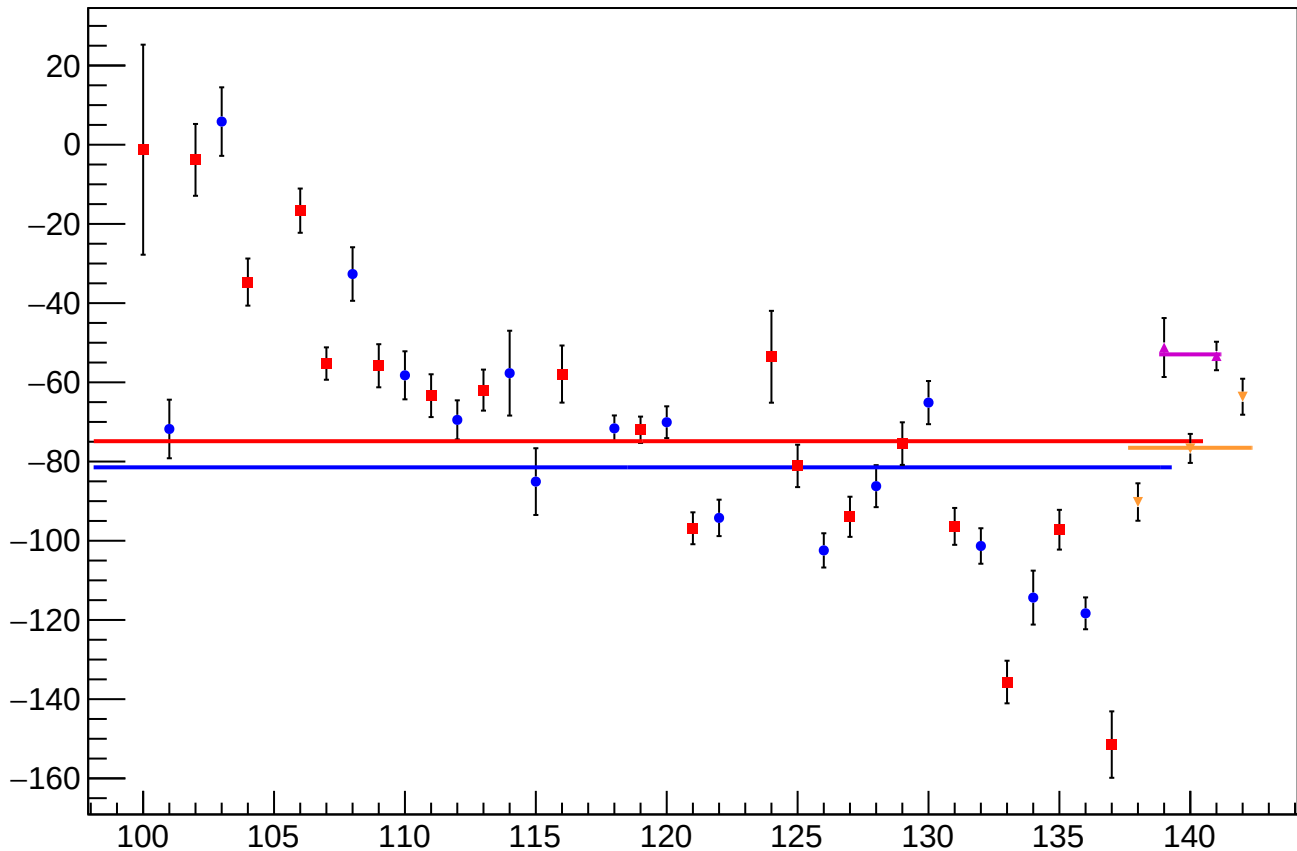
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+ sign -234.995 ± 1.121 χ^2/NDF : 1257.3/18

All: -229.196 ± 0.785 χ^2/NDF : 4500.5/39

- sign -223.626 ± 1.099 χ^2/NDF : 3190.7/20

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: -76.527 ± 2.441 χ^2/NDF : 16.4/2

Right Out: -74.861 ± 1.230 χ^2/NDF : 576.6/18

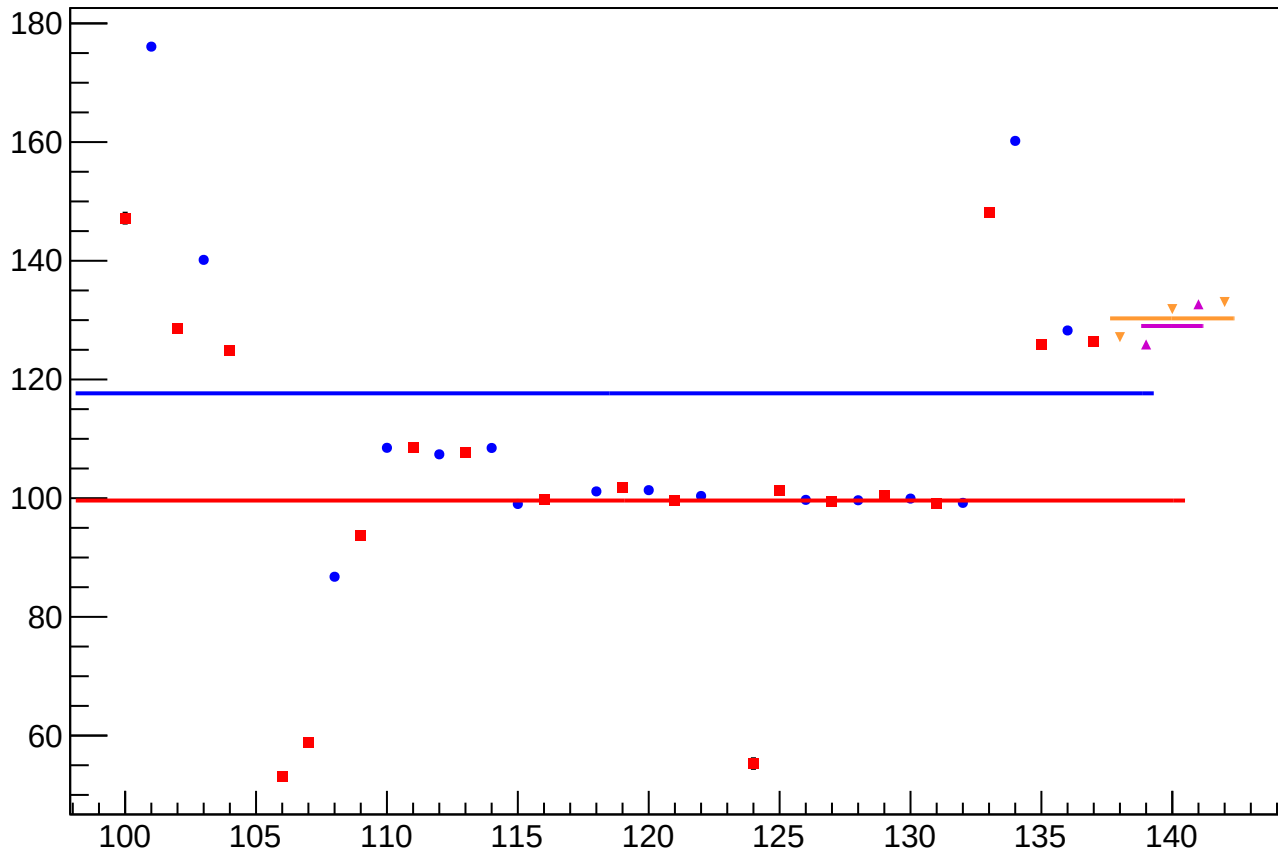
Left In: -52.941 ± 3.238 χ^2/NDF : 0.1/1

+ sign -80.389 ± 1.138 χ^2/NDF : 386.1/18

All: -76.285 ± 0.809 χ^2/NDF : 1029.1/39

- sign -72.097 ± 1.150 χ^2/NDF : 616.7/20

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Right In: 117.666 $\pm$ 0.078 χ^2 /NDF: 95397.2/15

Left Out: 130.293 $\pm$ 0.109 χ^2 /NDF:533.9/2

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

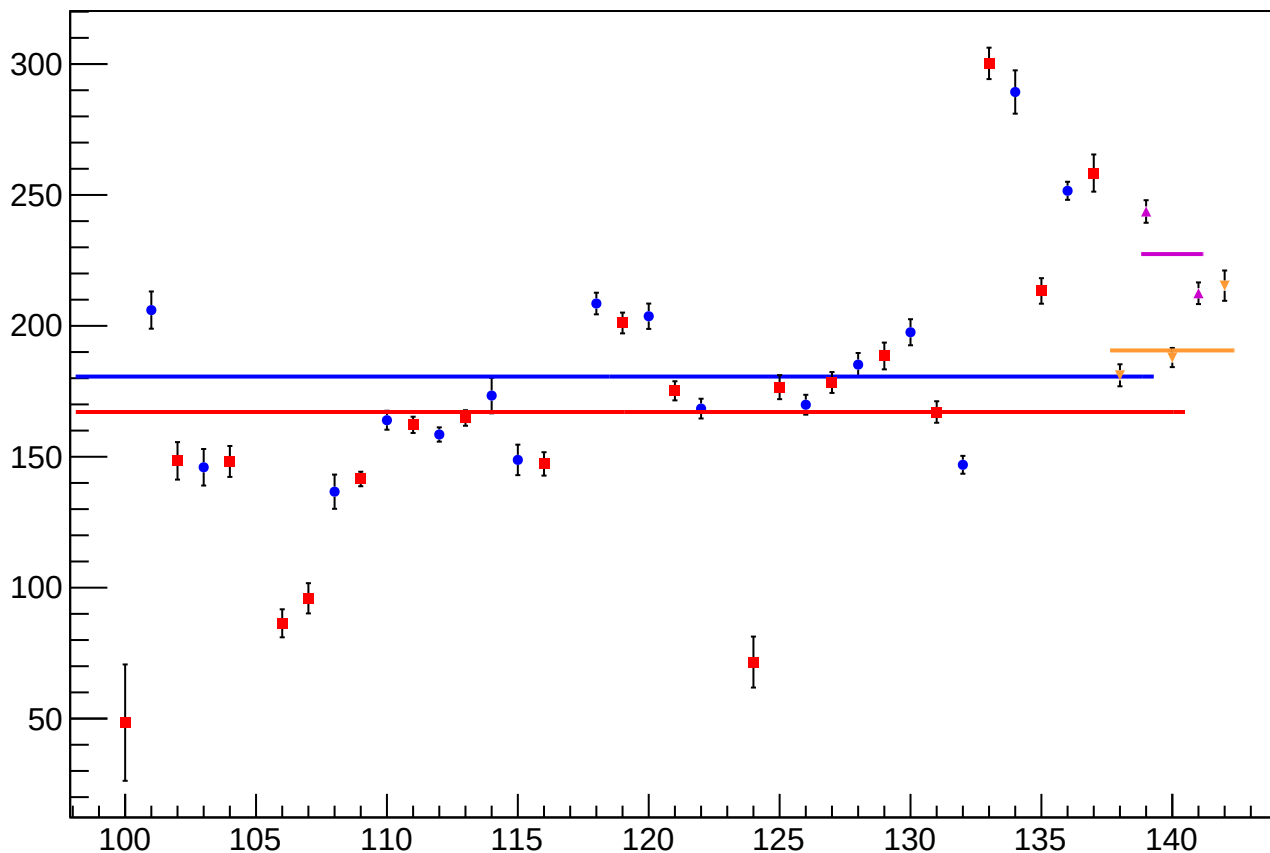
Left In: 129.012 $\pm$ 0.118 χ^2 /NDF:818.0/1

+ sign 121.957 $\pm$ 0.064 χ^2 /NDF: 104779.2/18

All: 114.257 $\pm$ 0.044 χ^2 /NDF: 345581.3/39

- sign 107.311 $\pm$ 0.060 χ^2 /NDF: 212907.9/20

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: 190.614 $\pm$ 2.494 χ^2 /NDF: 23.9/2

Right Out: 167.102 $\pm$ 1.021 χ^2 /NDF: 1484.6/18

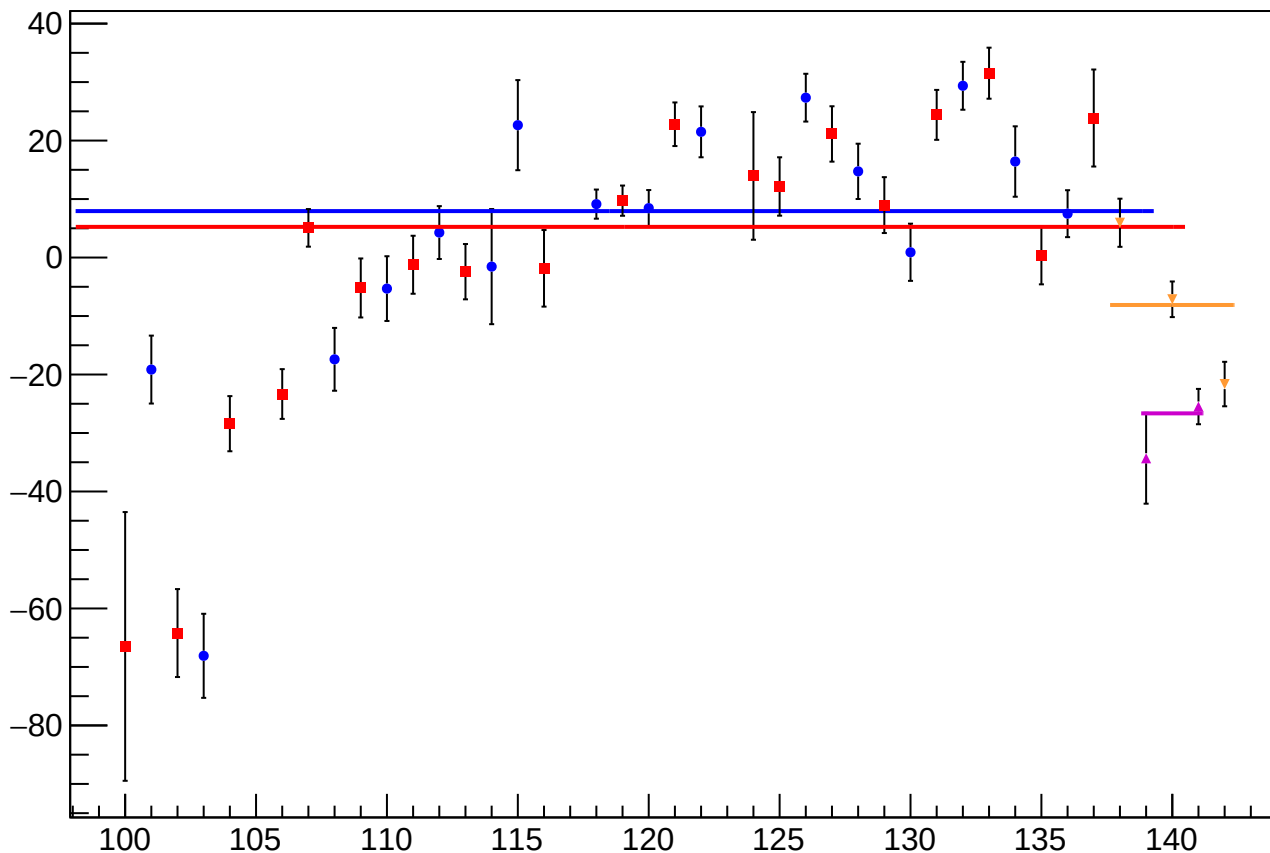
Left In: 227.422 $\pm$ 2.984 χ^2 /NDF: 27.3/1

+ sign 182.234 $\pm$ 0.998 χ^2 /NDF: 1030.8/18

All: 177.682 $\pm$ 0.694 χ^2 /NDF: 2948.8/39

- sign 173.422 $\pm$ 0.966 χ^2 /NDF: 1877.7/20

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: -8.111 ± 2.058 χ^2/NDF : 24.4/2

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

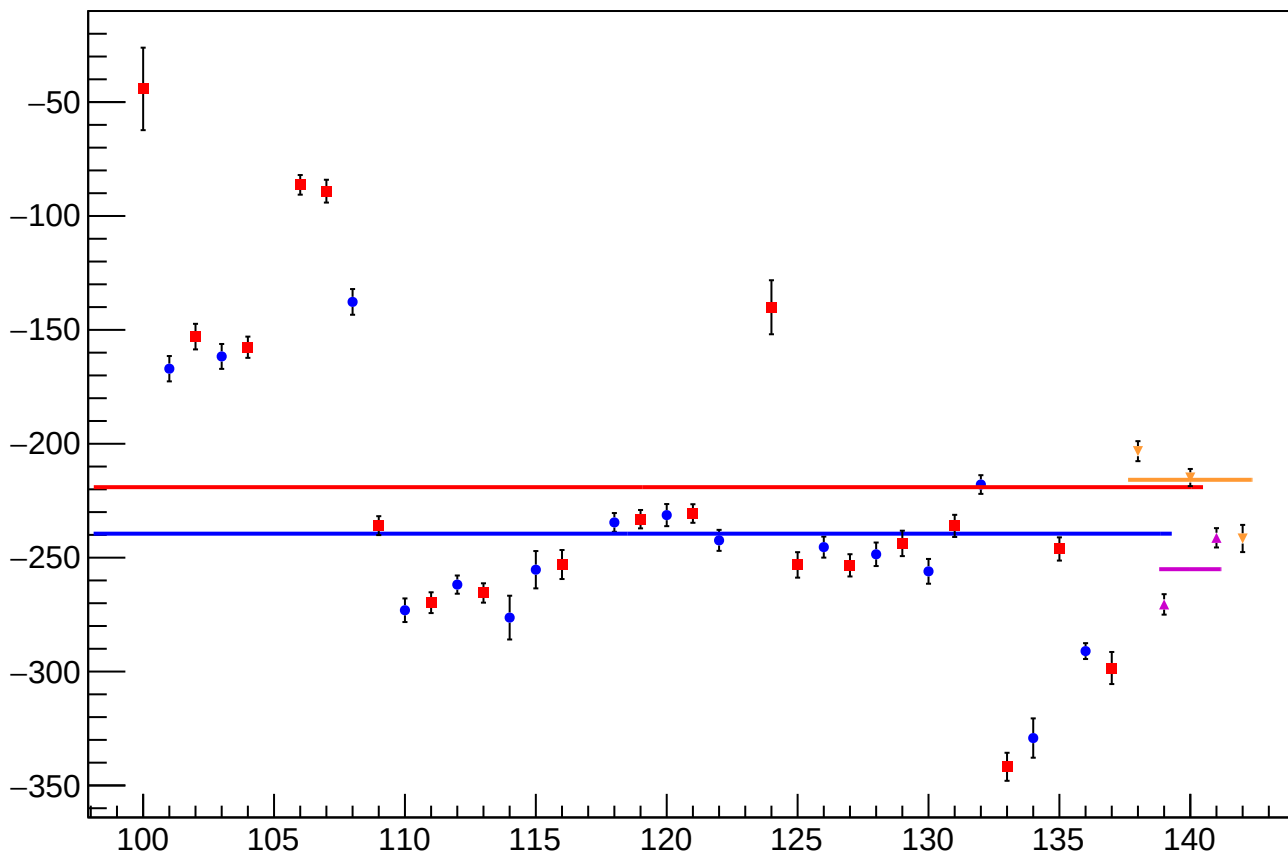
Left In: -26.643 ± 2.816 χ^2/NDF : 1.1/1

+ sign 4.309 ± 0.979 χ^2/NDF : 304.4/18

All: 2.813 ± 0.697 χ^2/NDF : 725.5/39

- sign 1.272 ± 0.994 χ^2/NDF : 416.3/20

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: -215.819+/-2.579 χ^2/NDF : 26.9/2

Right Out: -219.053+/-1.176 χ^2/NDF : 3049.3/18

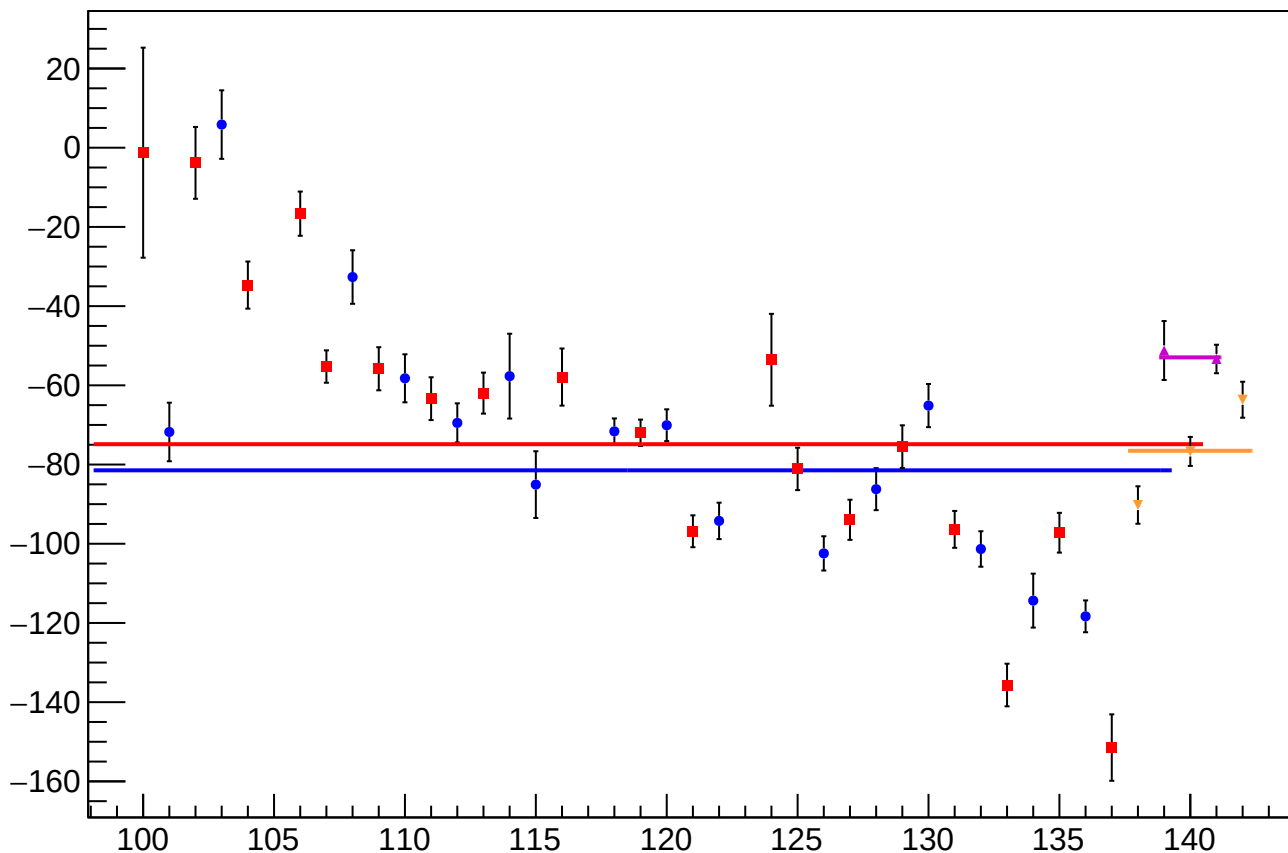
Left In: -255.062+/-3.084 χ^2/NDF : 22.4/1

+ sign -234.995+/-1.121 χ^2/NDF : 1257.3/18

All: -229.196+/-0.785 χ^2/NDF : 4500.5/39

- sign -223.626+/-1.099 χ^2/NDF : 3190.7/20

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: -76.527 ± 2.441 χ^2/NDF : 16.4/2

Right Out: -74.861 ± 1.230 χ^2/NDF : 576.6/18

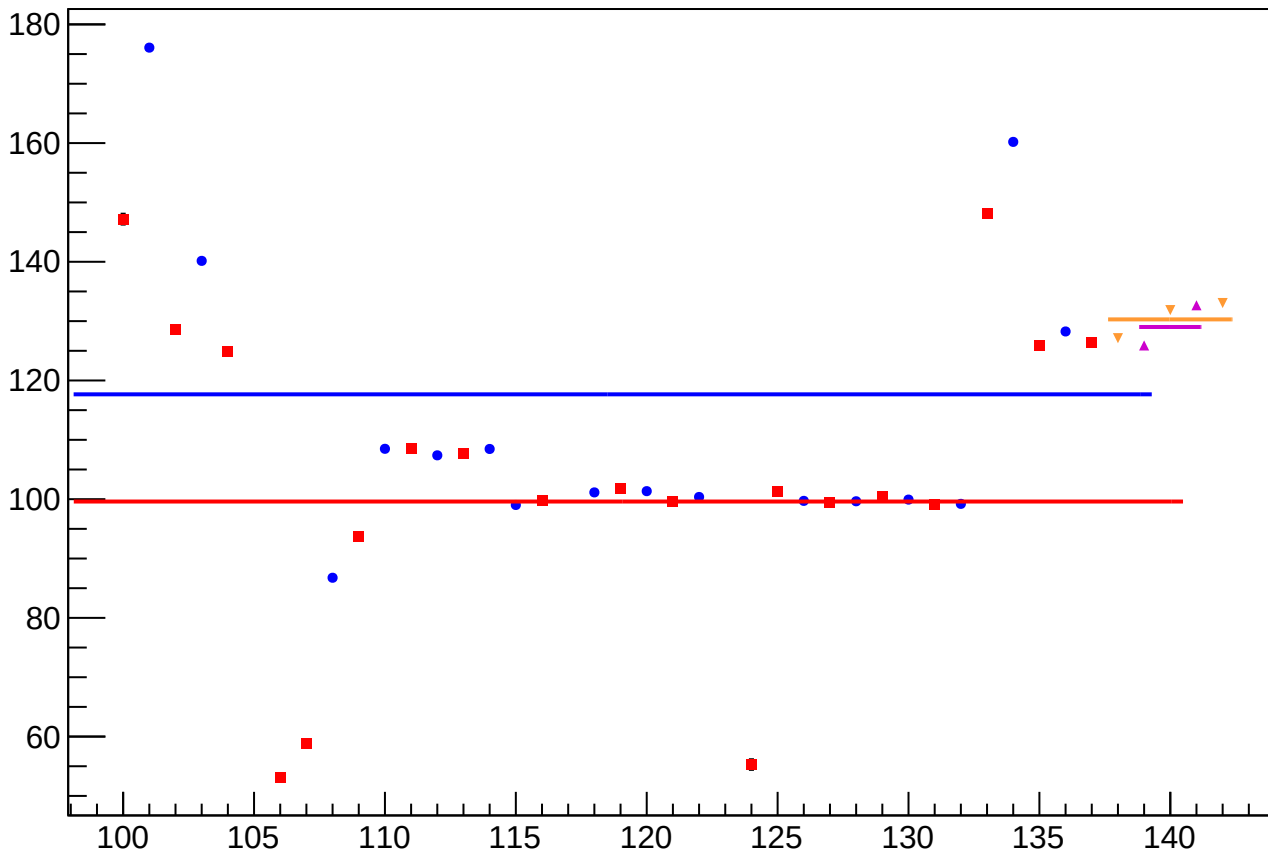
Left In: -52.941 ± 3.238 χ^2/NDF : 0.1/1

+ sign -80.389 ± 1.138 χ^2/NDF : 386.1/18

All: -76.285 ± 0.809 χ^2/NDF : 1029.1/39

- sign -72.097 ± 1.150 χ^2/NDF : 616.7/20

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: 130.293 $\pm$ 0.109 χ^2 /NDF: 533.9/2

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

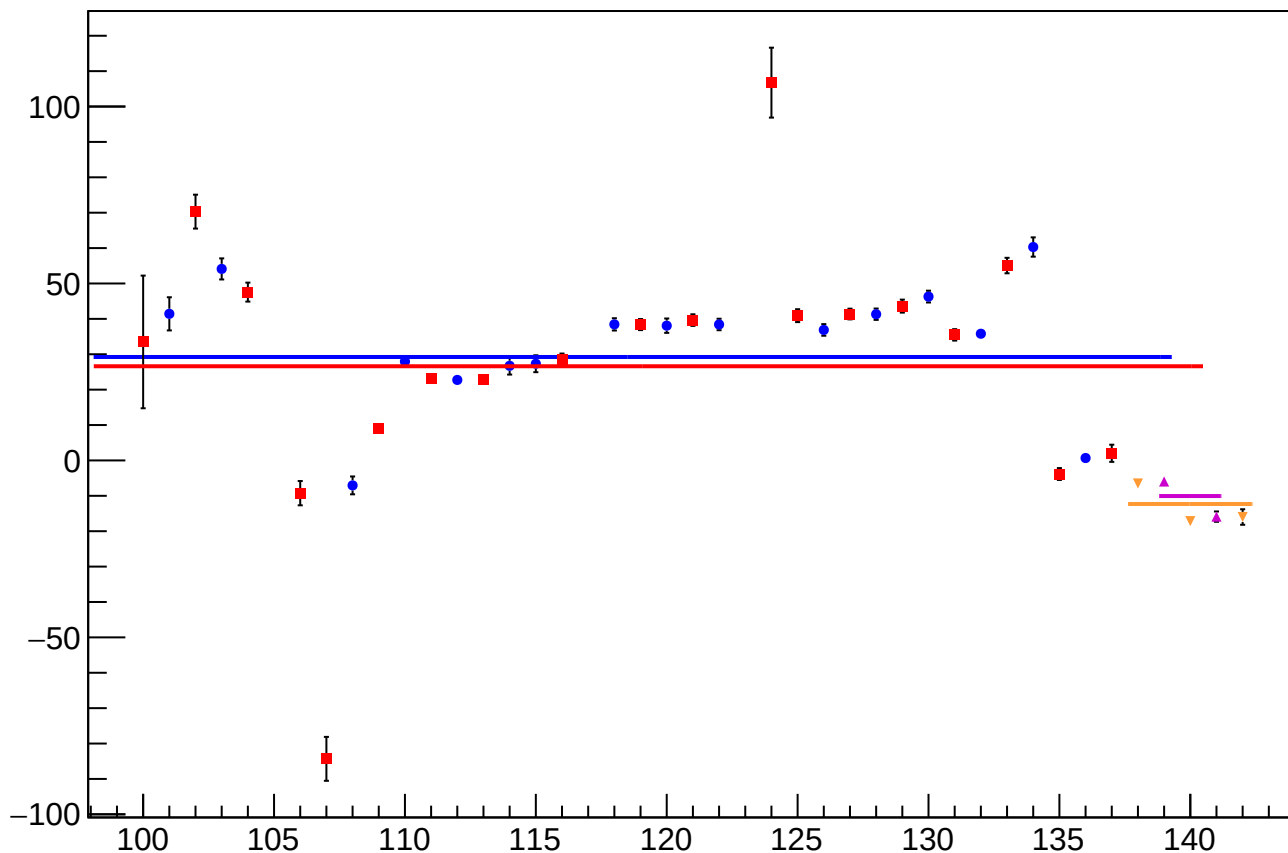
Left In: 129.012 $\pm$ 0.118 χ^2 /NDF: 818.0/1

+ sign 121.957 $\pm$ 0.064 χ^2 /NDF: 104779.2/18

All: 114.257 $\pm$ 0.044 χ^2 /NDF: 345581.3/39

- sign 107.311 $\pm$ 0.060 χ^2 /NDF: 212907.9/20

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: -12.312+/-0.832 χ^2/NDF : 38.2/2

Right Out: 26.609+/-0.414 χ^2/NDF : 1920.6/18

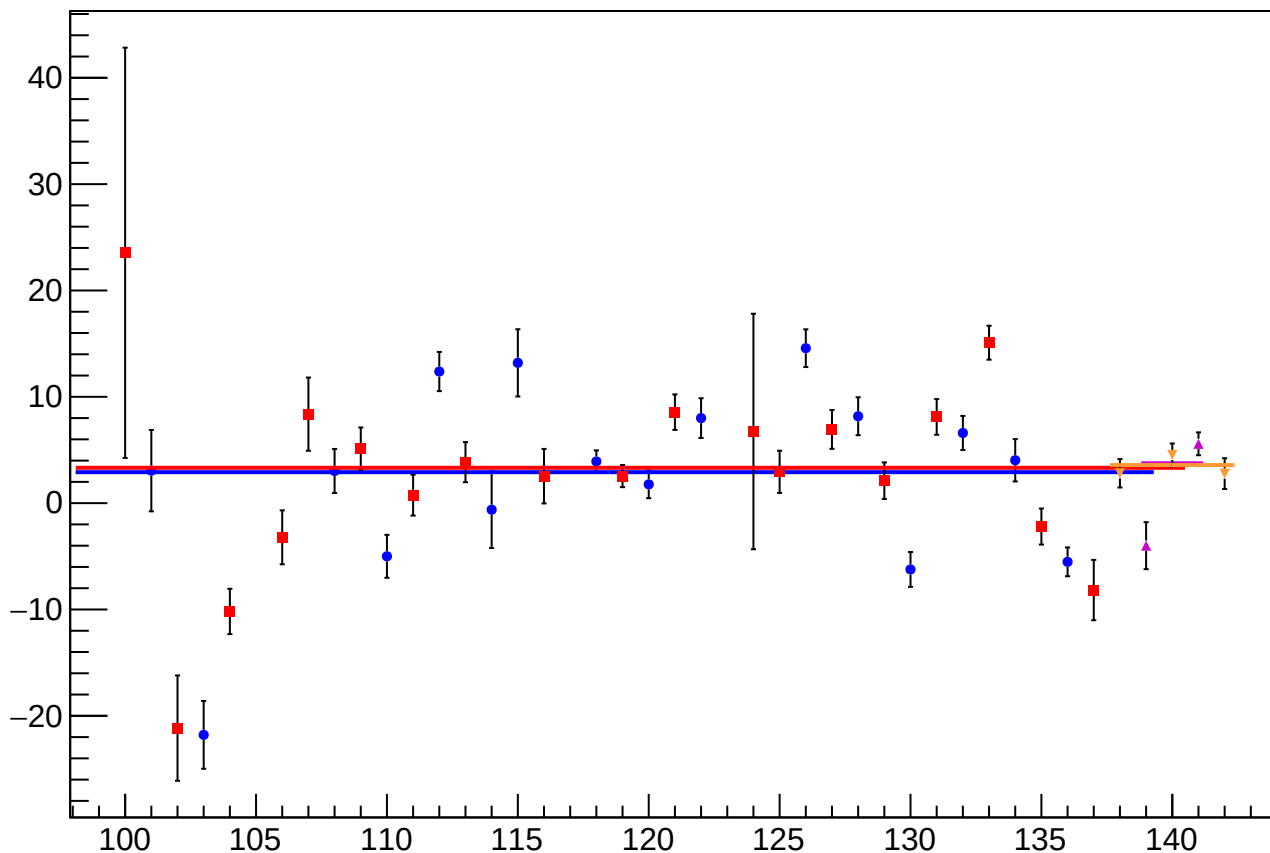
Left In: -10.061+/-0.939 χ^2/NDF : 27.1/1

+ sign 20.660+/-0.378 χ^2/NDF : 3358.6/18

All: 20.647+/-0.268 χ^2/NDF : 6584.2/39

- sign 20.634+/-0.379 χ^2/NDF : 3225.5/20

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.912 ± 0.442 χ^2/NDF : 250.0/15

Left Out: 3.581 ± 0.727 χ^2/NDF : 1.4/2

Right Out: 3.326 ± 0.454 χ^2/NDF : 181.8/18

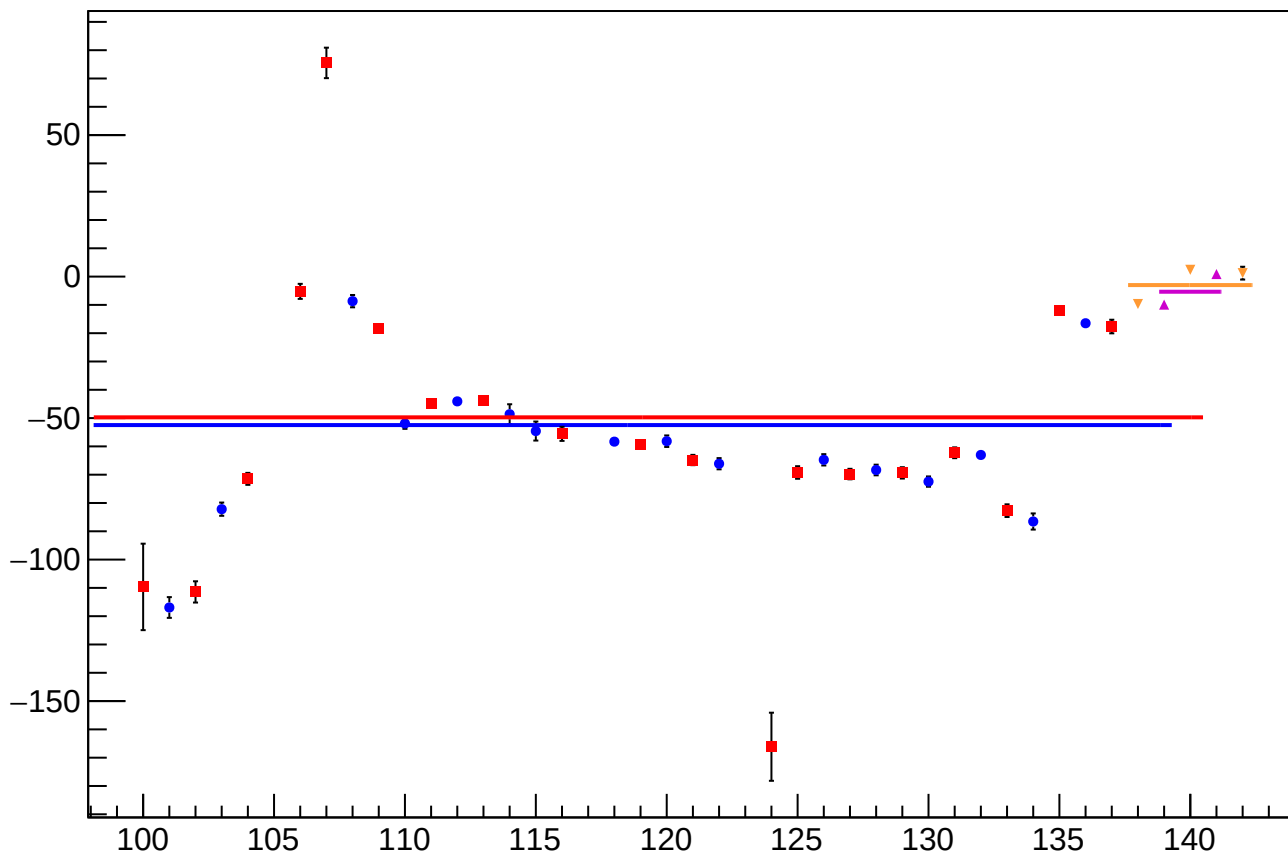
Left In: 3.750 ± 0.966 χ^2/NDF : 15.2/1

+ sign 3.093 ± 0.378 χ^2/NDF : 252.0/18

All: 3.235 ± 0.278 χ^2/NDF : 449.4/39

- sign 3.402 ± 0.411 χ^2/NDF : 197.1/20

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -52.467 $\pm$ 0.488 χ^2 /NDF: 2330.2/15

Left Out: -2.997 $\pm$ 0.862 χ^2 /NDF: 46.1/2

Right Out: -49.734 $\pm$ 0.494 χ^2 /NDF: 3009.7/18

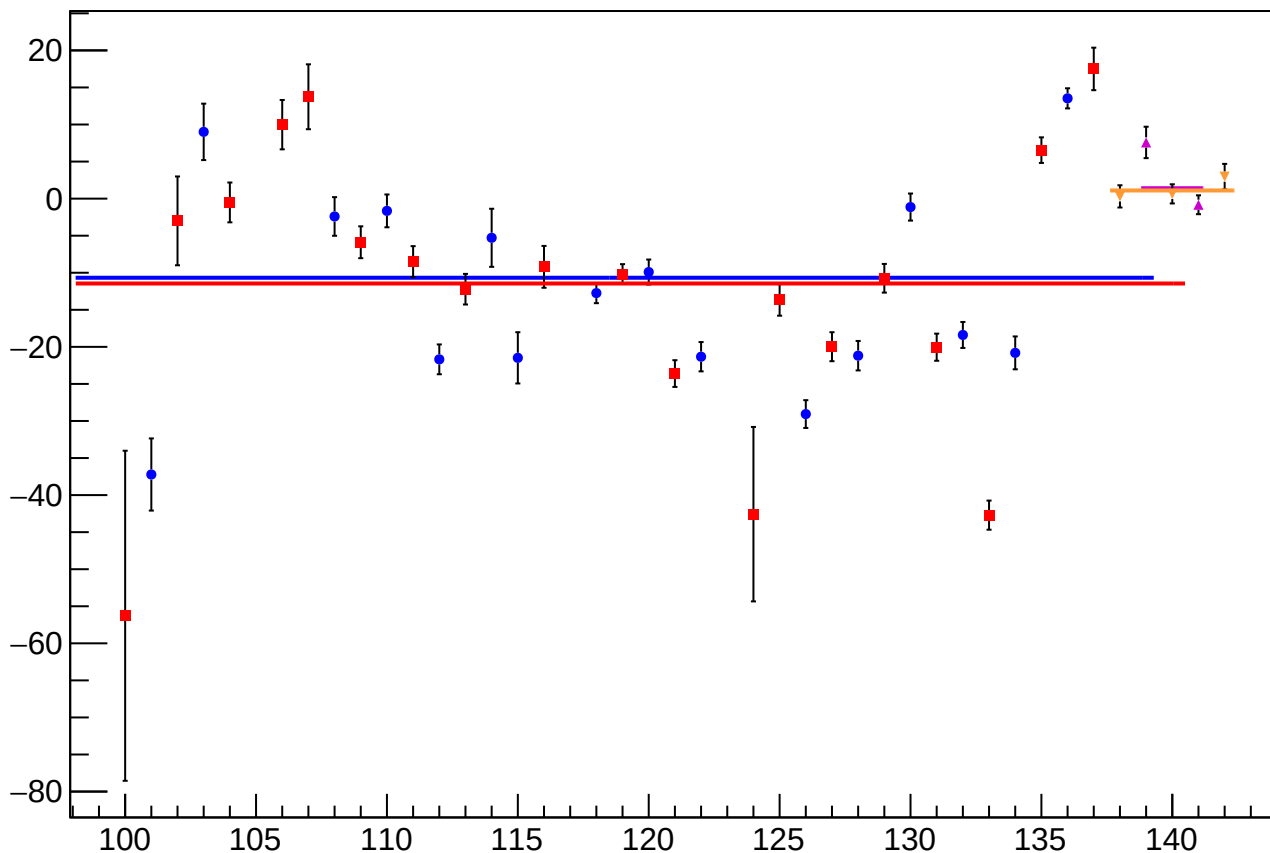
Left In: -5.351 $\pm$ 0.972 χ^2 /NDF: 30.1/1

+ sign -40.468 $\pm$ 0.425 χ^2 /NDF: 4871.1/18

All: -40.541 $\pm$ 0.306 χ^2 /NDF: 9568.3/39

- sign -40.620 $\pm$ 0.440 χ^2 /NDF: 4697.1/20

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: 1.101 ± 0.851 χ^2/NDF : 1.6/2

Right Out: -11.450 ± 0.516 χ^2/NDF : 665.7/18

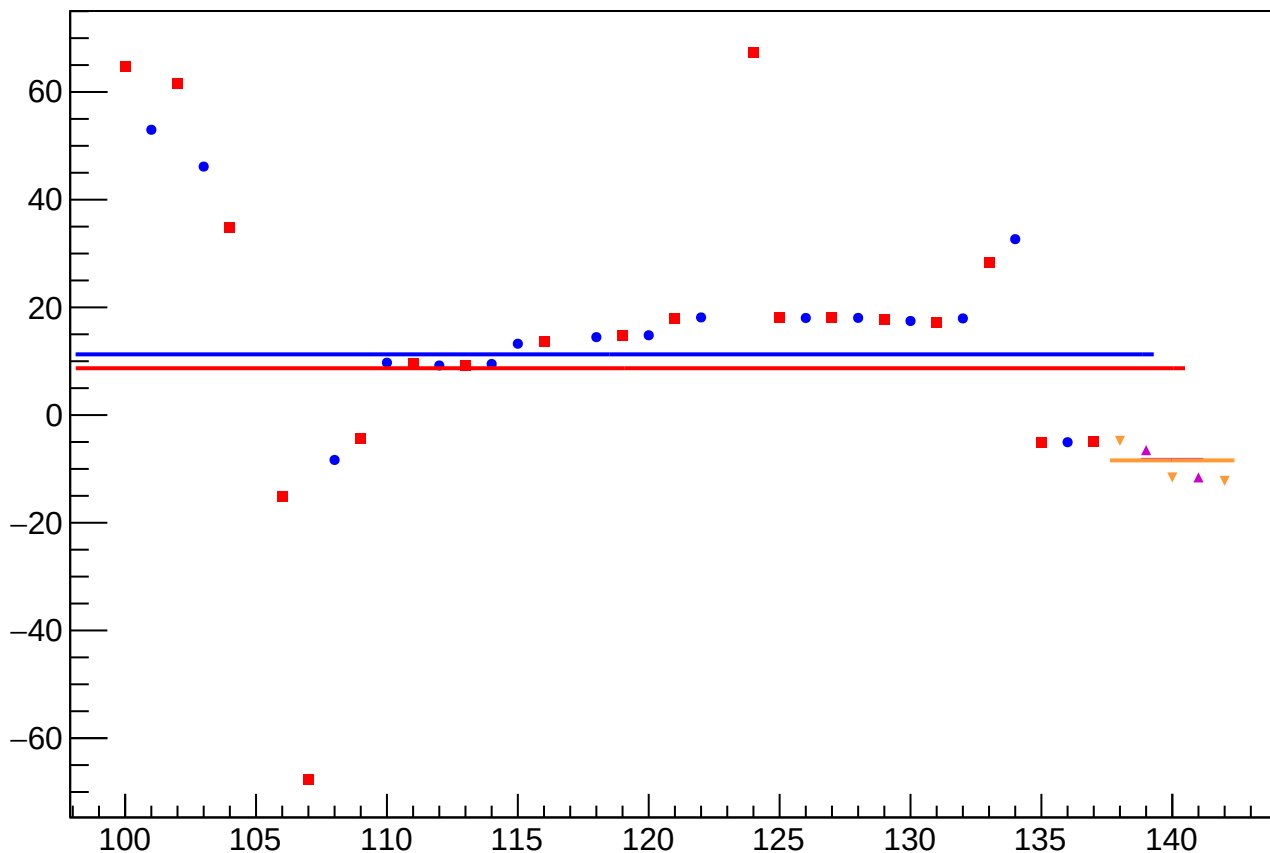
Left In: 1.405 ± 1.091 χ^2/NDF : 11.6/1

+ sign -7.604 ± 0.435 χ^2/NDF : 809.5/18

All: -8.299 ± 0.318 χ^2/NDF : 1605.7/39

- sign -9.101 ± 0.467 χ^2/NDF : 790.7/20

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: -8.416 $\pm$ 0.036 χ^2 /NDF: 9577.4/2

Right Out: 8.698 $\pm$ 0.031 χ^2 /NDF: 436156.0/18

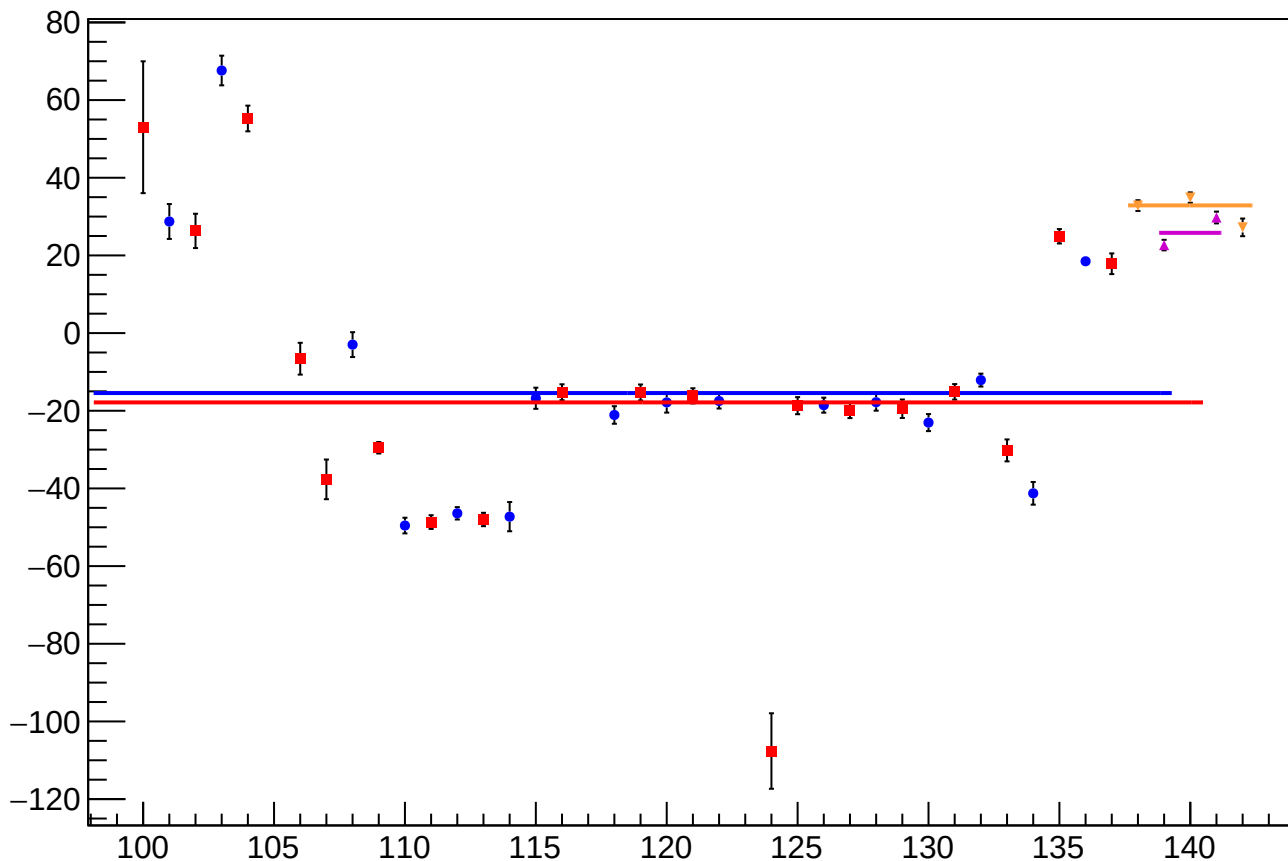
Left In: -8.327 $\pm$ 0.037 χ^2 /NDF: 4418.5/1

+ sign 3.146 $\pm$ 0.023 χ^2 /NDF: 537764.3/18

All: 2.331 $\pm$ 0.017 χ^2 /NDF: 1105908.9/39

- sign 1.452 $\pm$ 0.024 χ^2 /NDF: 565519.7/20

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: 32.881 ± 0.887 χ^2/NDF : 8.5/2

Right Out: -17.848 ± 0.530 χ^2/NDF : 2125.2/18

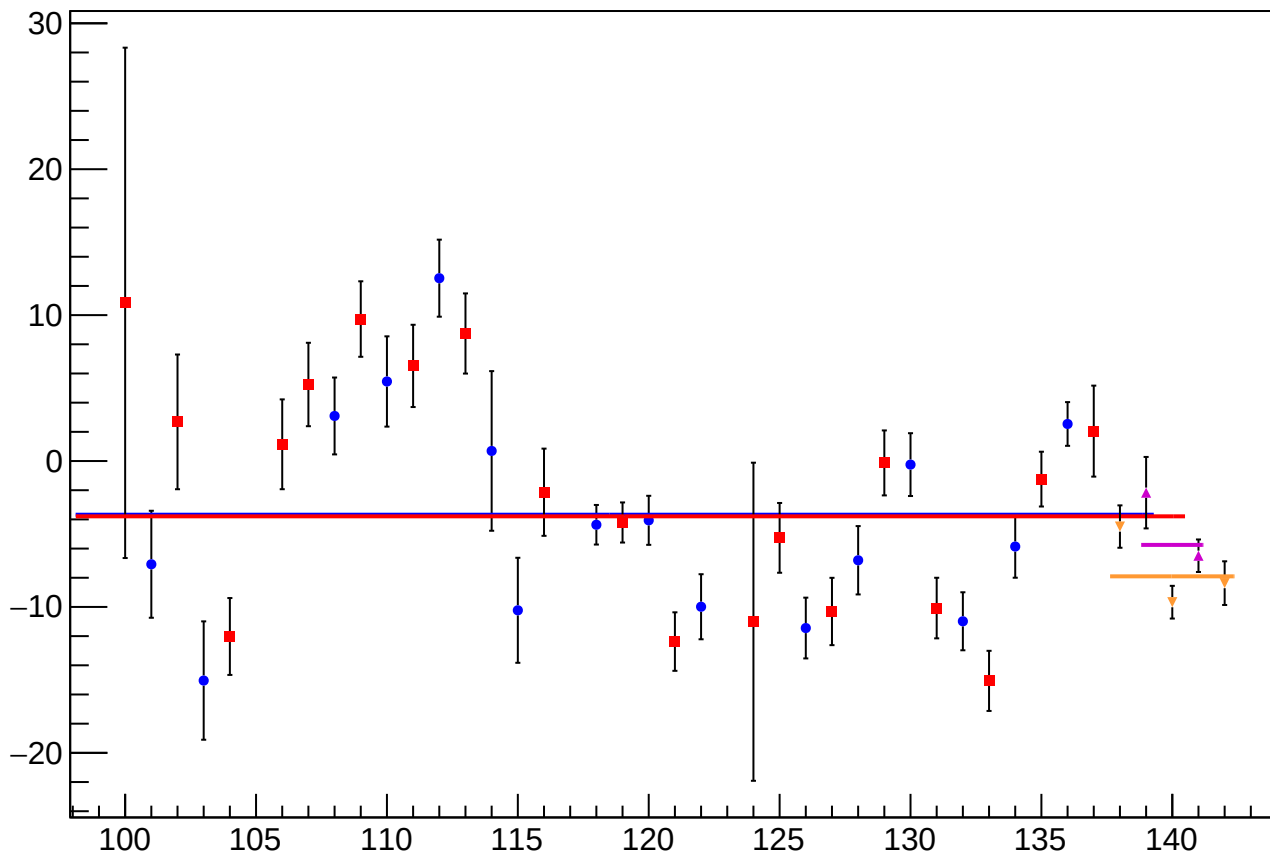
Left In: 25.816 ± 1.011 χ^2/NDF : 12.2/1

+ sign -2.407 ± 0.461 χ^2/NDF : 4299.6/18

All: -5.373 ± 0.329 χ^2/NDF : 7984.4/39

- sign -8.450 ± 0.469 χ^2/NDF : 3600.3/20

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: -7.903 ± 0.763 χ^2/NDF : 8.1/2

Right Out: -3.790 ± 0.564 χ^2/NDF : 161.2/18

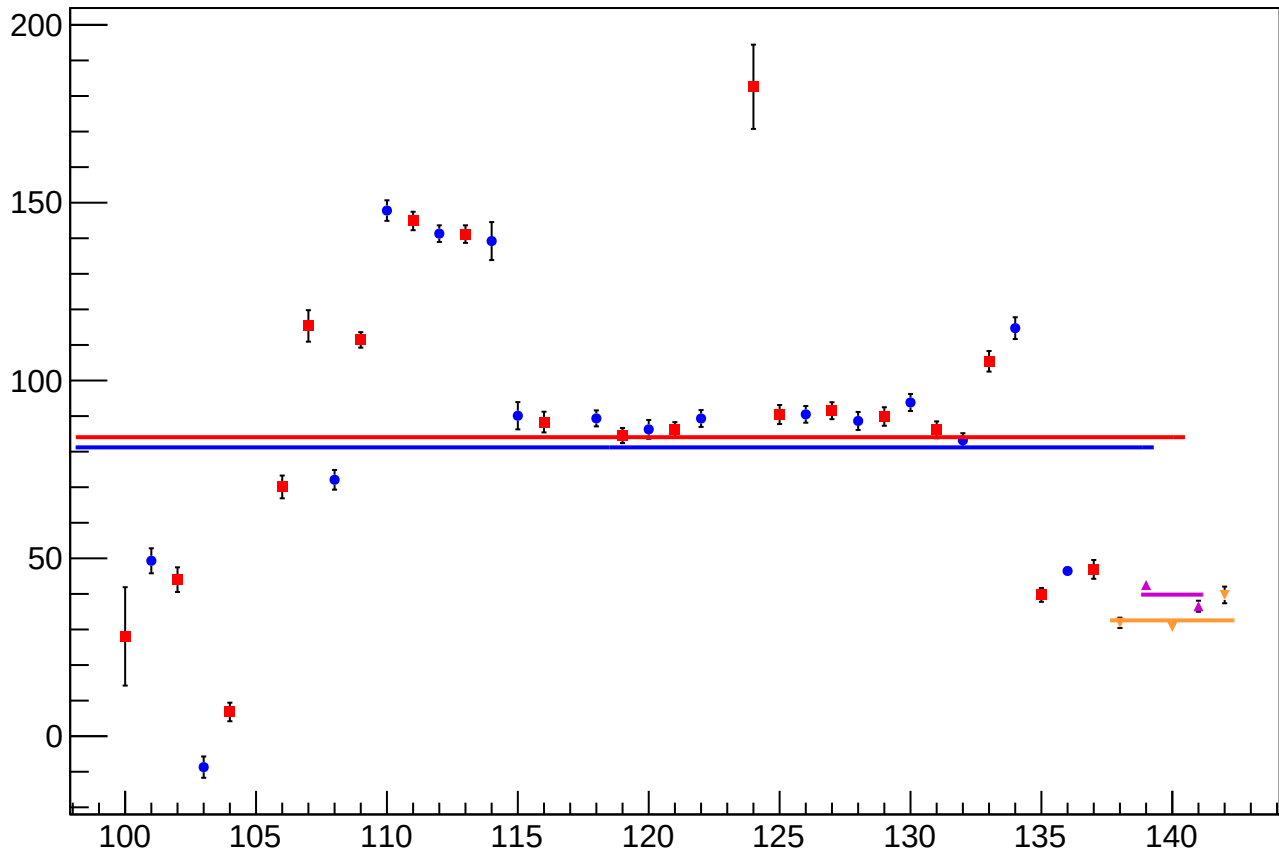
Left In: -5.748 ± 1.015 χ^2/NDF : 2.6/1

+ sign -5.129 ± 0.447 χ^2/NDF : 152.2/18

All: -4.733 ± 0.331 χ^2/NDF : 320.6/39

- sign -4.252 ± 0.493 χ^2/NDF : 166.6/20

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203 $\pm$ 0.607 χ^2 /NDF: 3230.5/15

Left Out: 32.556 $\pm$ 0.918 χ^2 /NDF: 11.3/2

Right Out: 84.065 $\pm$ 0.616 χ^2 /NDF: 3206.5/18

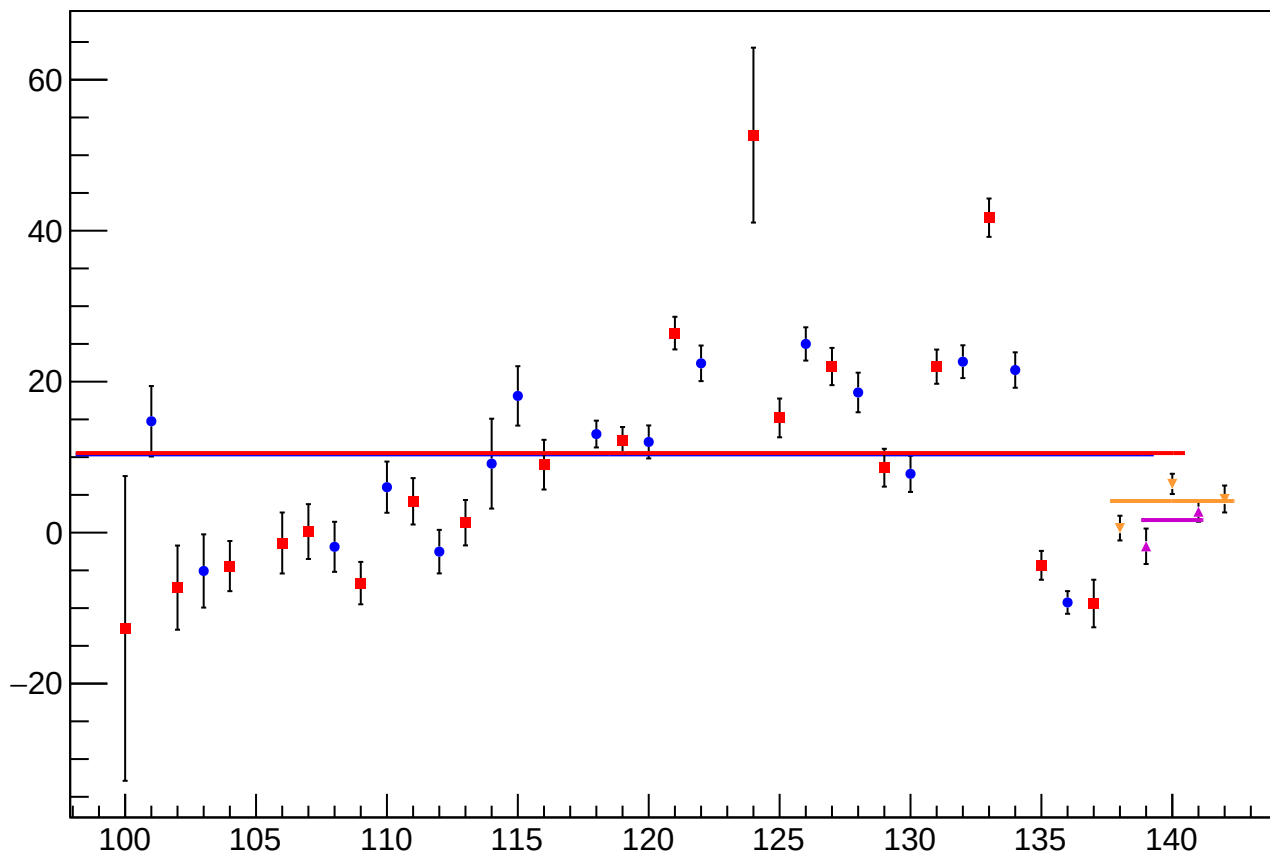
Left In: 39.803 $\pm$ 1.047 χ^2 /NDF: 8.1/1

+ sign 66.408 $\pm$ 0.506 χ^2 /NDF: 5194.9/18

All: 69.390 $\pm$ 0.366 χ^2 /NDF: 9810.4/39

- sign 72.669 $\pm$ 0.531 χ^2 /NDF: 4542.7/20

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 10.367 ± 0.627 $\chi^2/\text{NDF}: 359.8/15$

Left Out: 4.190 ± 0.897 $\chi^2/\text{NDF}: 7.7/2$

Right Out: 10.539 ± 0.640 $\chi^2/\text{NDF}: 470.7/18$

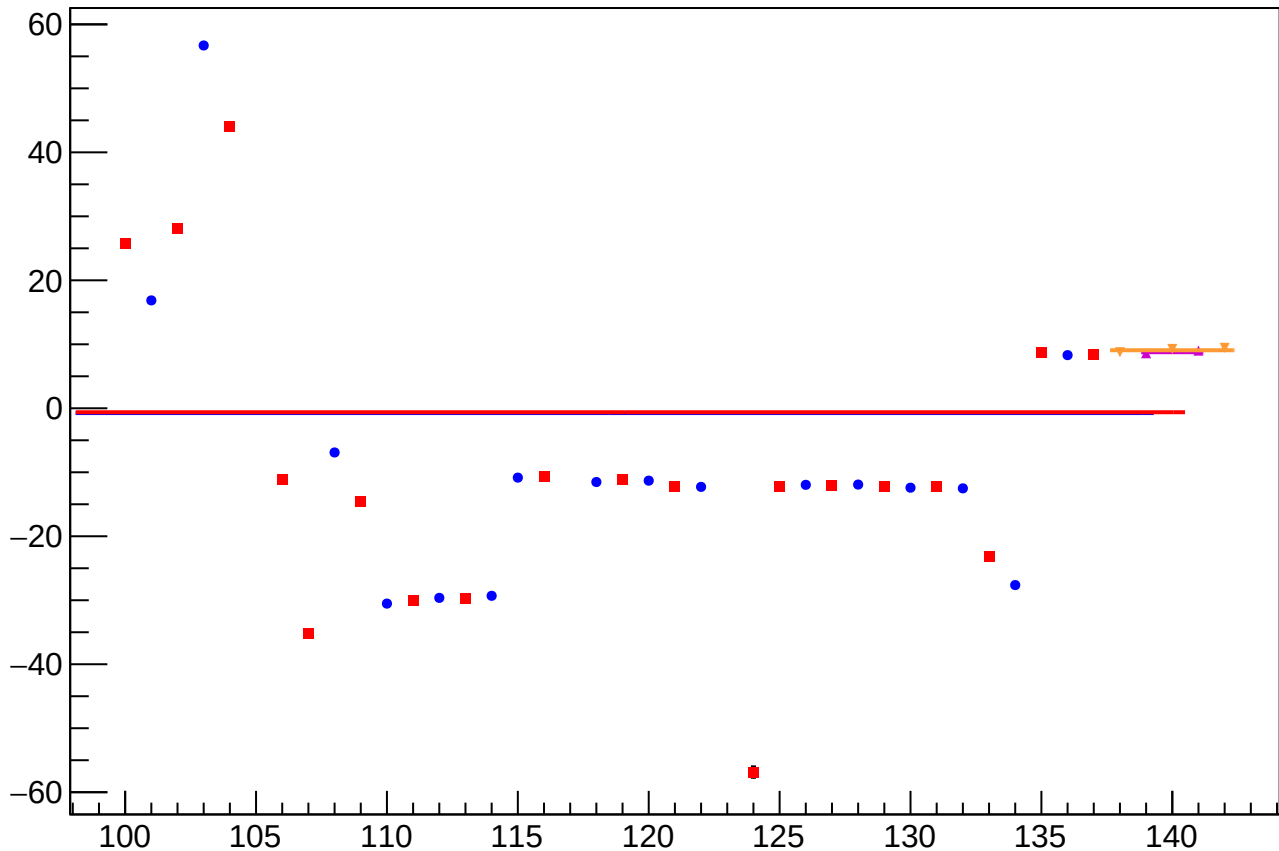
Left In: 1.668 ± 1.152 $\chi^2/\text{NDF}: 2.9/1$

+ sign 8.342 ± 0.514 $\chi^2/\text{NDF}: 399.3/18$

All: 8.389 ± 0.378 $\chi^2/\text{NDF}: 918.3/39$

- sign 8.446 ± 0.560 $\chi^2/\text{NDF}: 518.9/20$

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: 9.070 ± 0.038 χ^2/NDF : 55.7/2

Right Out: -0.618 ± 0.037 χ^2/NDF : 316492.6/18

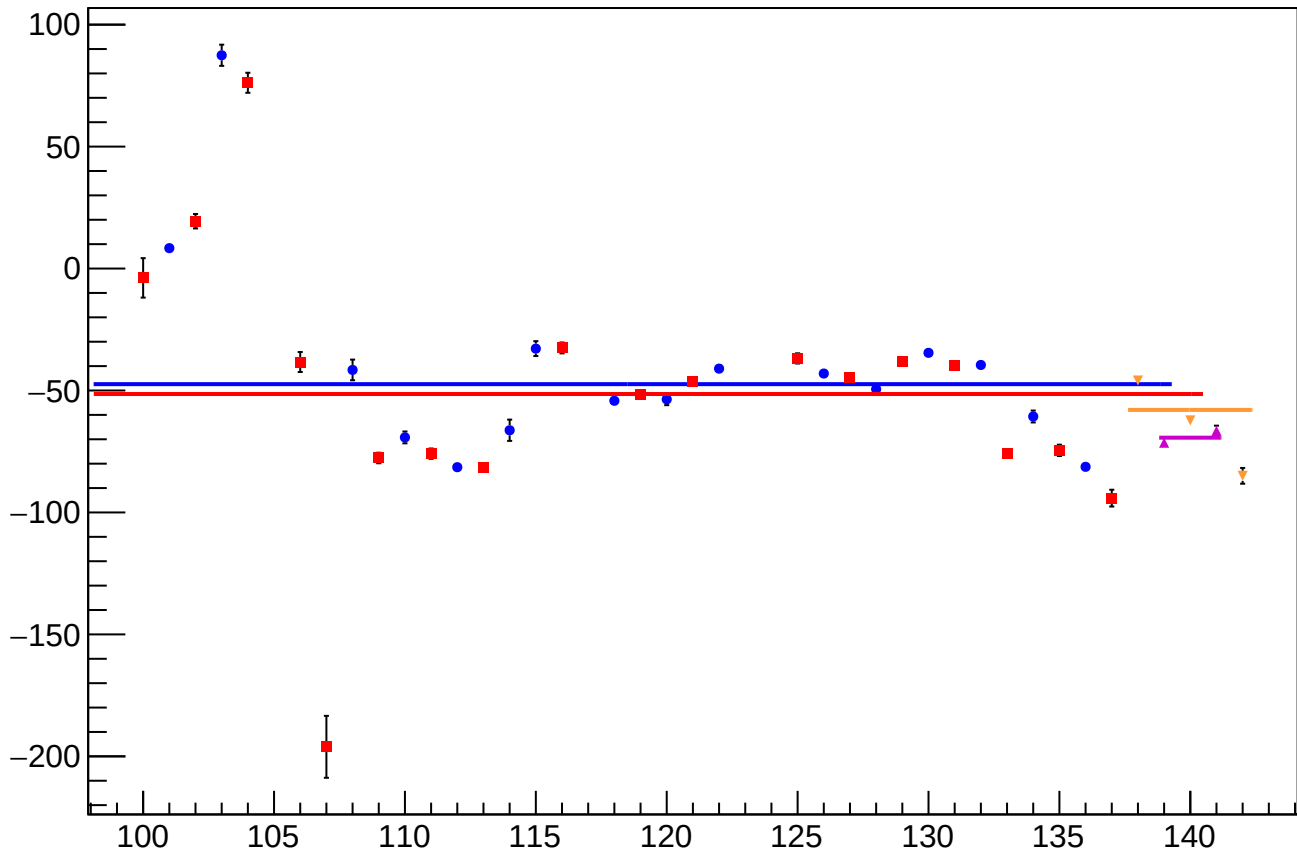
Left In: 8.764 ± 0.039 χ^2/NDF : 26.2/1

+ sign 3.855 ± 0.026 χ^2/NDF : 403126.6/18

All: 3.833 ± 0.019 χ^2/NDF : 749446.7/39

- sign 3.809 ± 0.027 χ^2/NDF : 346318.6/20

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398 ± 0.535 $\chi^2/\text{NDF}: 2769.0/15$

Left Out: -57.953 ± 1.197 $\chi^2/\text{NDF}: 121.2/2$

Right Out: -51.442 ± 0.545 $\chi^2/\text{NDF}: 2872.7/17$

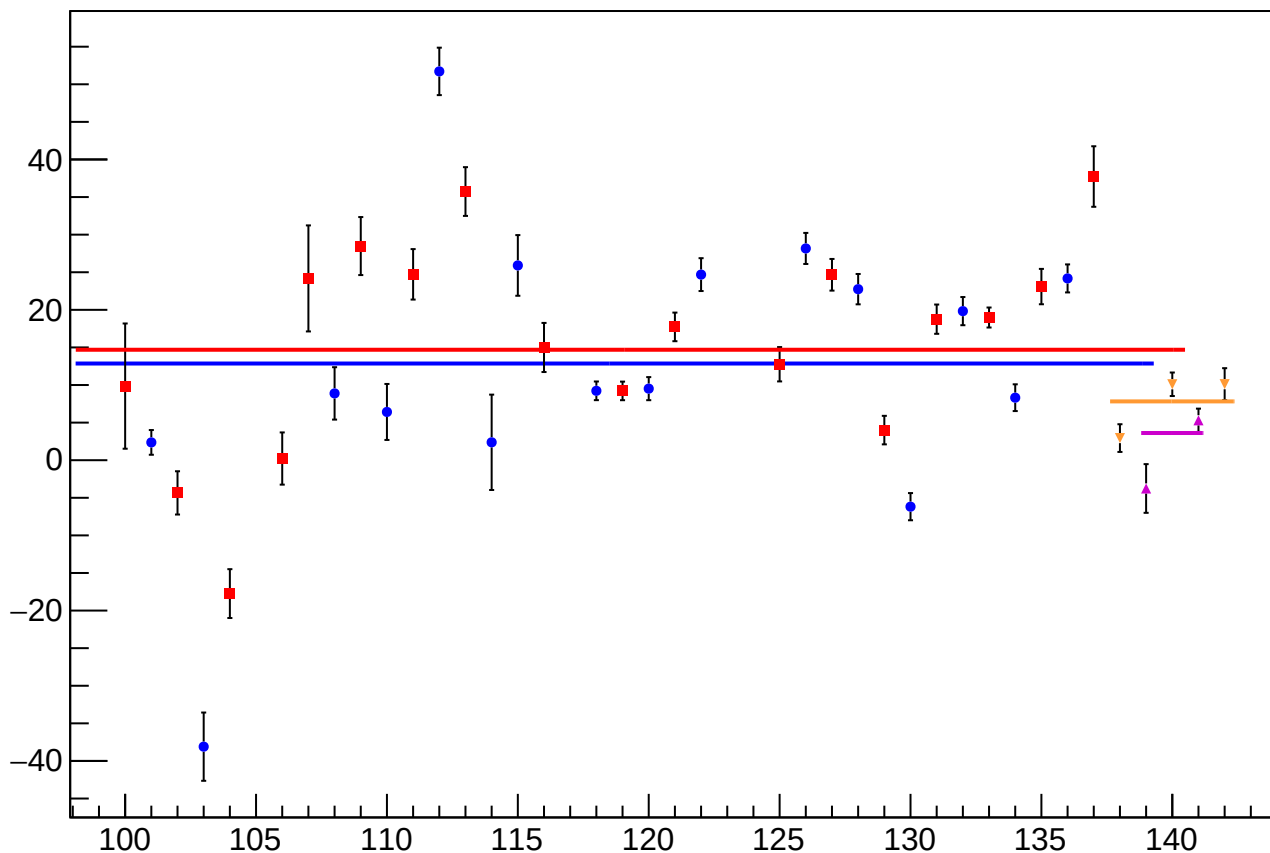
Left In: -69.345 ± 1.374 $\chi^2/\text{NDF}: 3.1/1$

+ sign -49.155 ± 0.489 $\chi^2/\text{NDF}: 2955.0/18$

All: -51.430 ± 0.352 $\chi^2/\text{NDF}: 6022.5/38$

- sign -53.877 ± 0.507 $\chi^2/\text{NDF}: 3022.5/19$

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: 7.822 $\pm$ 1.040 χ^2 /NDF:10.3/2

Right Out: 14.691 $\pm$ 0.544 χ^2 /NDF: 364.1/17

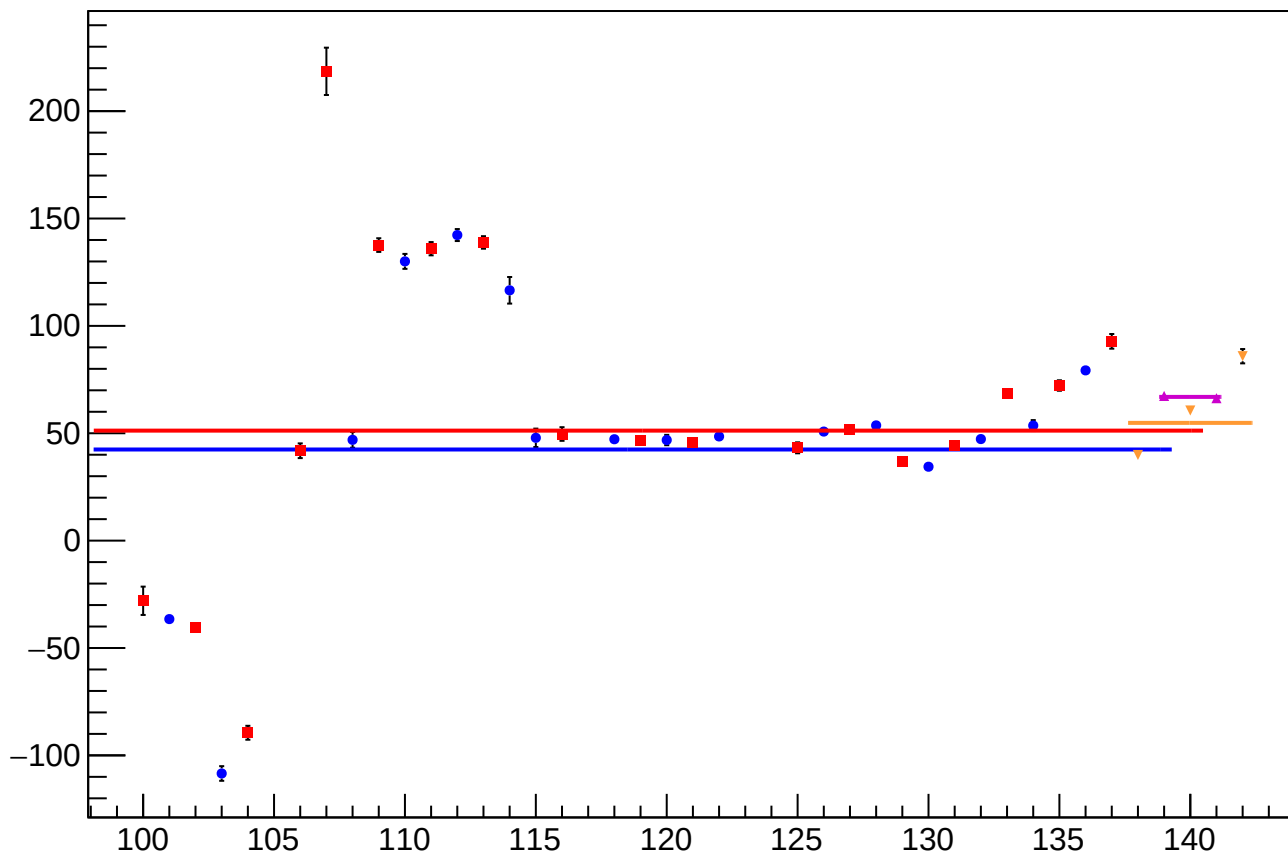
Left In: 3.618 $\pm$ 1.398 χ^2 /NDF:6.4/1

+ sign 11.856 $\pm$ 0.464 χ^2 /NDF: 654.6/18

All: 12.484 $\pm$ 0.342 χ^2 /NDF: 1083.5/38

- sign 13.234 $\pm$ 0.507 χ^2 /NDF: 425.0/19

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437 $\pm$ 0.584 χ^2 /NDF: 7168.9/15

Left Out: 54.832 $\pm$ 1.240 χ^2 /NDF:160.8/2

Right Out: 51.226 $\pm$ 0.615 χ^2 /NDF: 6611.3/17

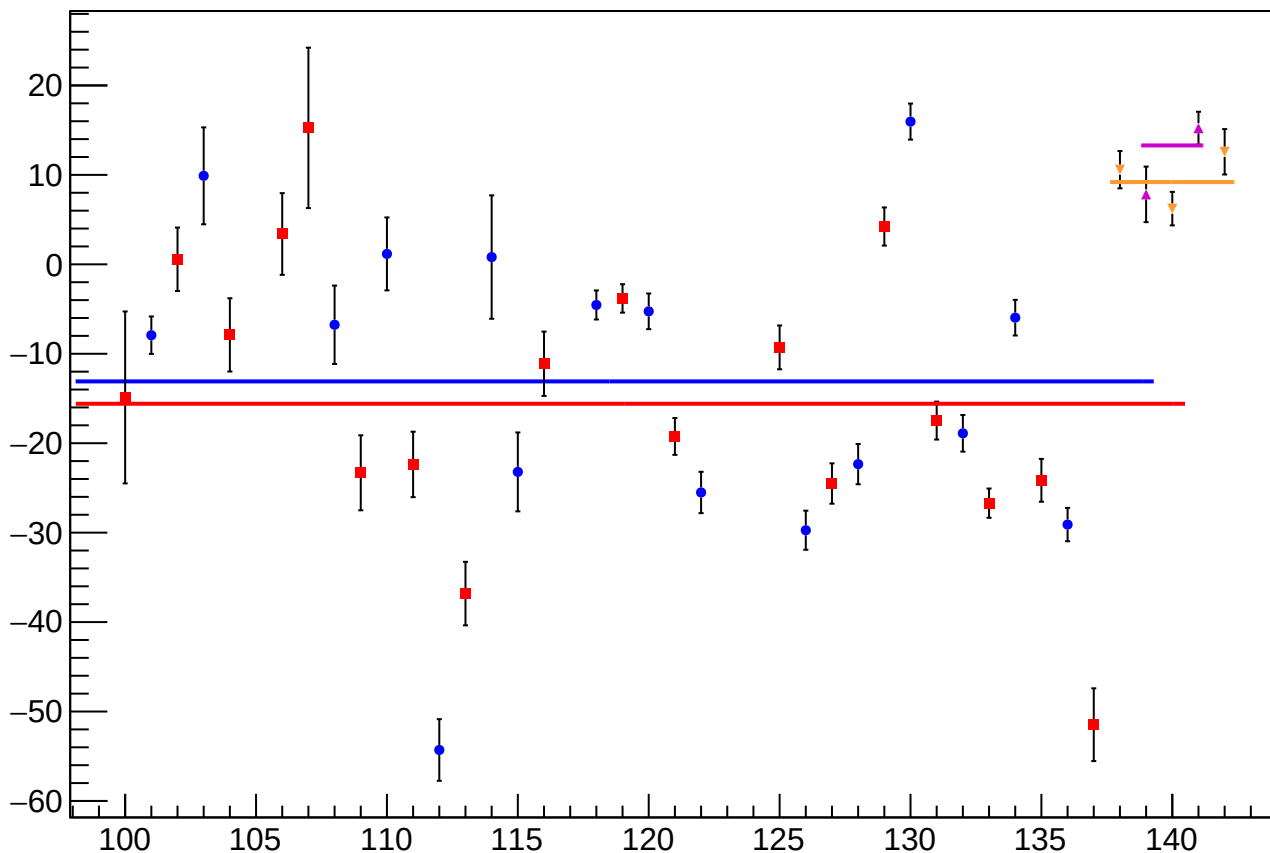
Left In: 66.929 $\pm$ 1.423 χ^2 /NDF:0.1/1

+ sign 44.688 $\pm$ 0.529 χ^2 /NDF: 7411.4/18

All: 48.897 $\pm$ 0.386 χ^2 /NDF: 14261.1/38

- sign 53.695 $\pm$ 0.564 χ^2 /NDF: 6714.0/19

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090 ± 0.600 χ^2/NDF : 639.9/15

Left Out: 9.197 ± 1.221 χ^2/NDF : 4.7/2

Right Out: -15.589 ± 0.627 χ^2/NDF : 401.8/17

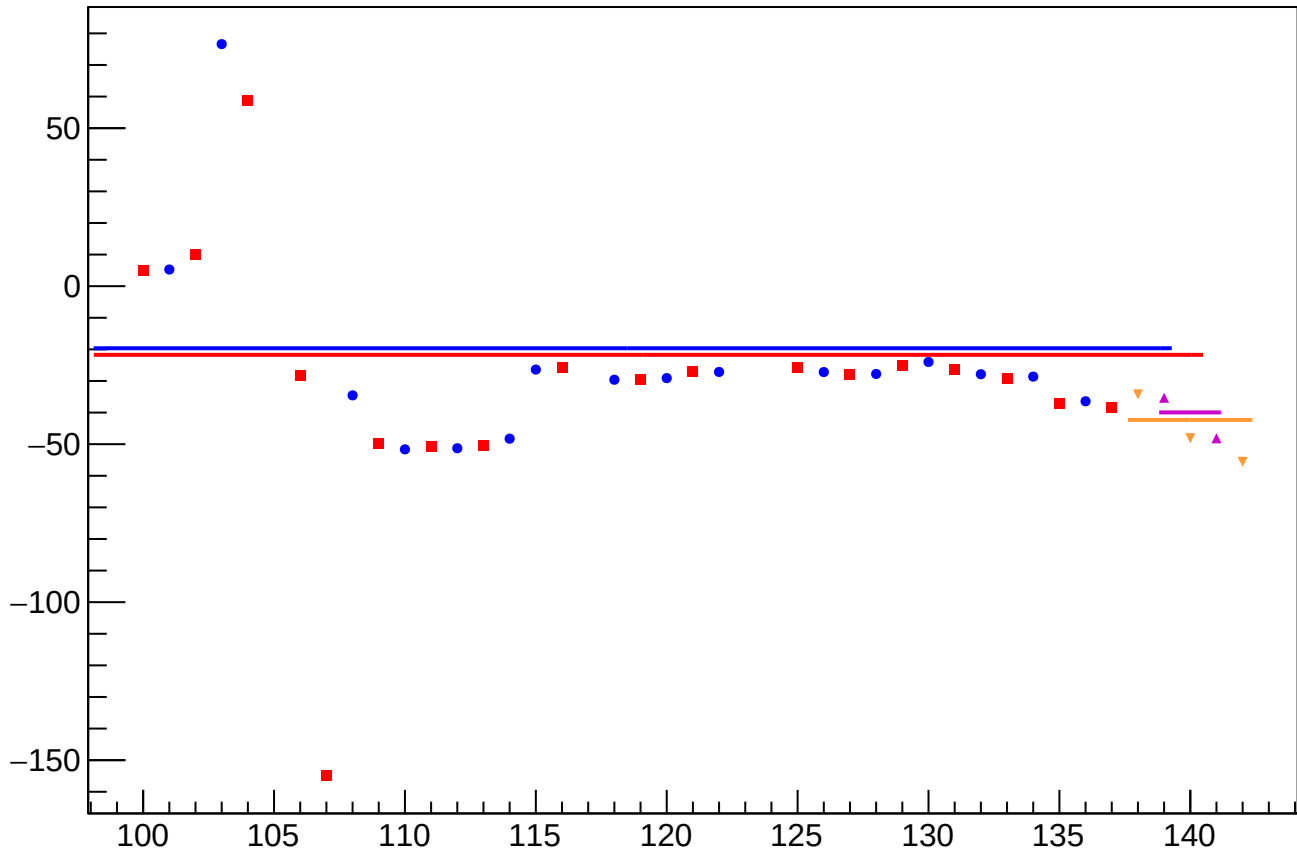
Left In: 13.294 ± 1.584 χ^2/NDF : 4.2/1

+ sign -8.761 ± 0.538 χ^2/NDF : 912.9/18

All: -10.103 ± 0.395 χ^2/NDF : 1620.0/38

- sign -11.678 ± 0.583 χ^2/NDF : 693.6/19

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644 ± 0.036 χ^2/NDF : 646925.7/15

Left Out: -42.318 ± 0.052 χ^2/NDF : 26144.1/2

Right Out: -21.730 ± 0.039 χ^2/NDF : 546659.9/17

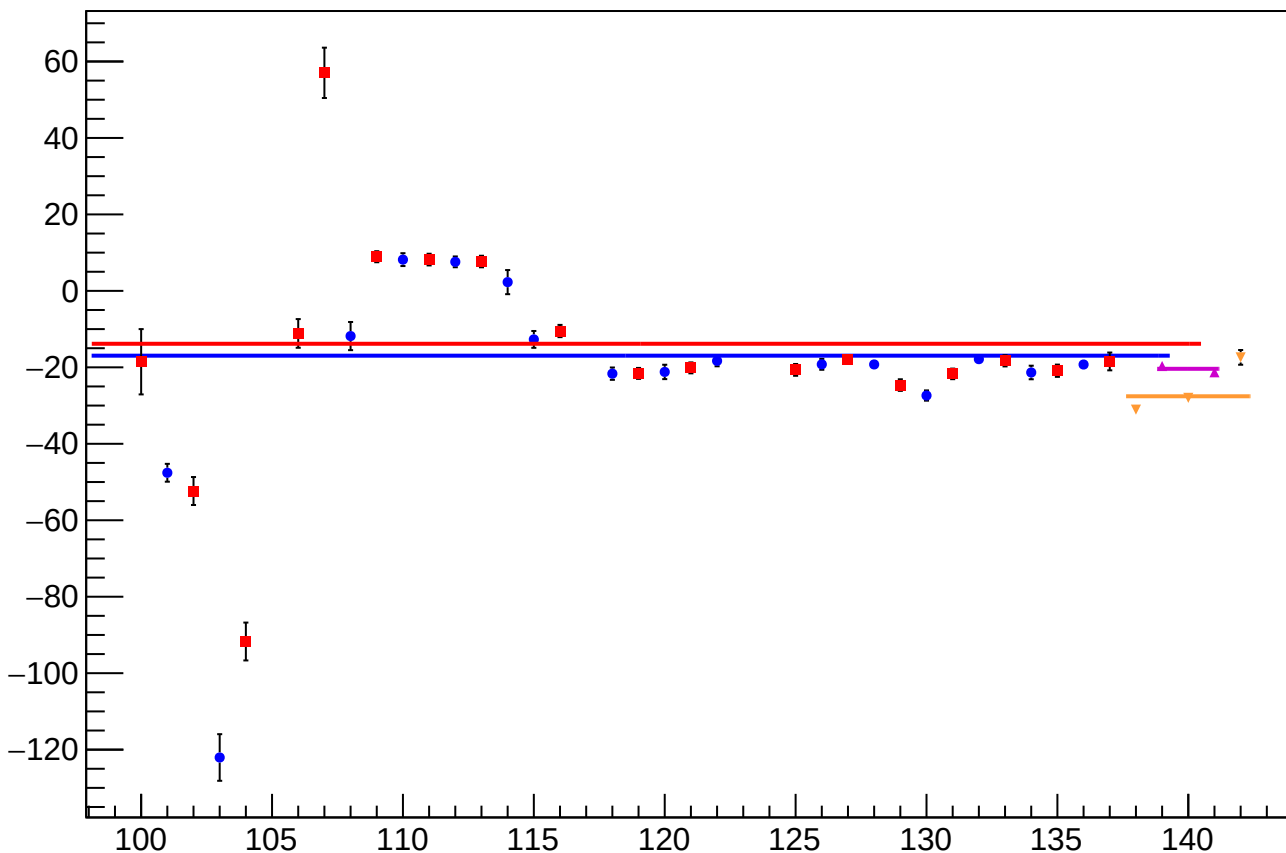
Left In: -39.951 ± 0.053 χ^2/NDF : 13343.3/1

+ sign -27.101 ± 0.030 χ^2/NDF : 802739.7/18

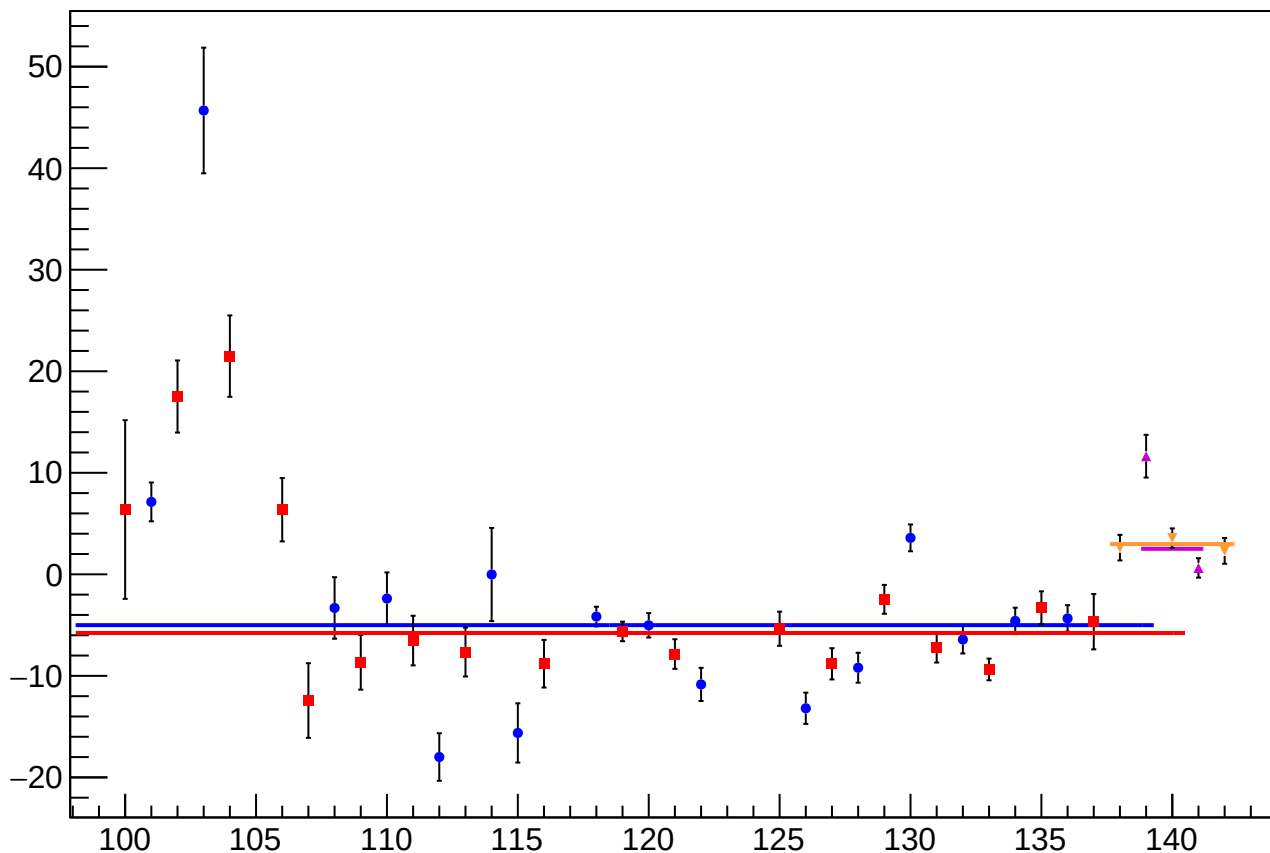
All: -27.545 ± 0.022 χ^2/NDF : 1439307.7/38

- sign -28.045 ± 0.031 χ^2/NDF : 636090.2/19

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: 2.979 ± 0.654 χ^2/NDF : 0.7/2

Right Out: -5.779 ± 0.419 χ^2/NDF : 139.3/17

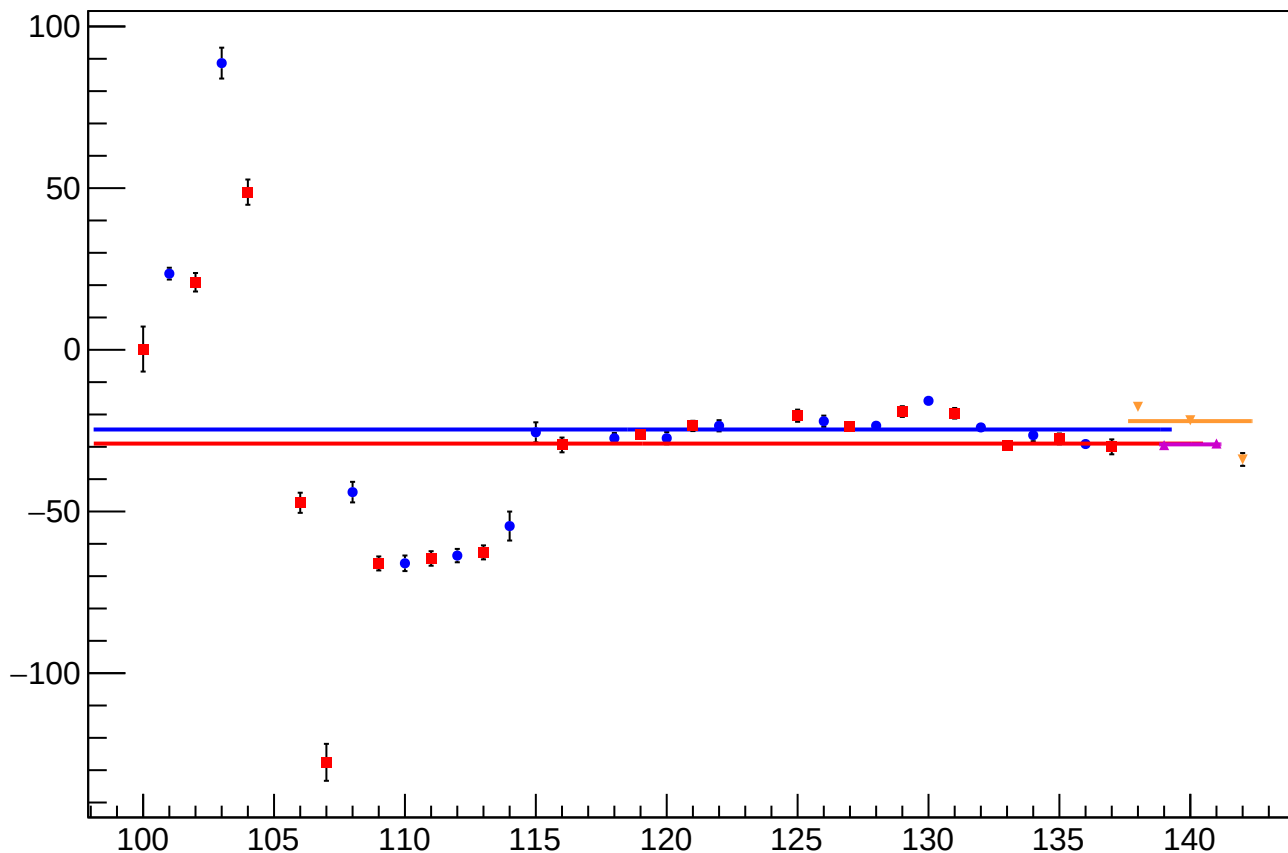
Left In: 2.512 ± 0.871 χ^2/NDF : 22.6/1

+ sign -2.823 ± 0.342 χ^2/NDF : 356.7/18

All: -3.452 ± 0.254 χ^2/NDF : 599.7/38

- sign -4.218 ± 0.378 χ^2/NDF : 235.6/19

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641 ± 0.455 χ^2/NDF : 2051.8/15

Left Out: -22.051 ± 0.788 χ^2/NDF : 48.1/2

Right Out: -29.002 ± 0.475 χ^2/NDF : 1952.3/17

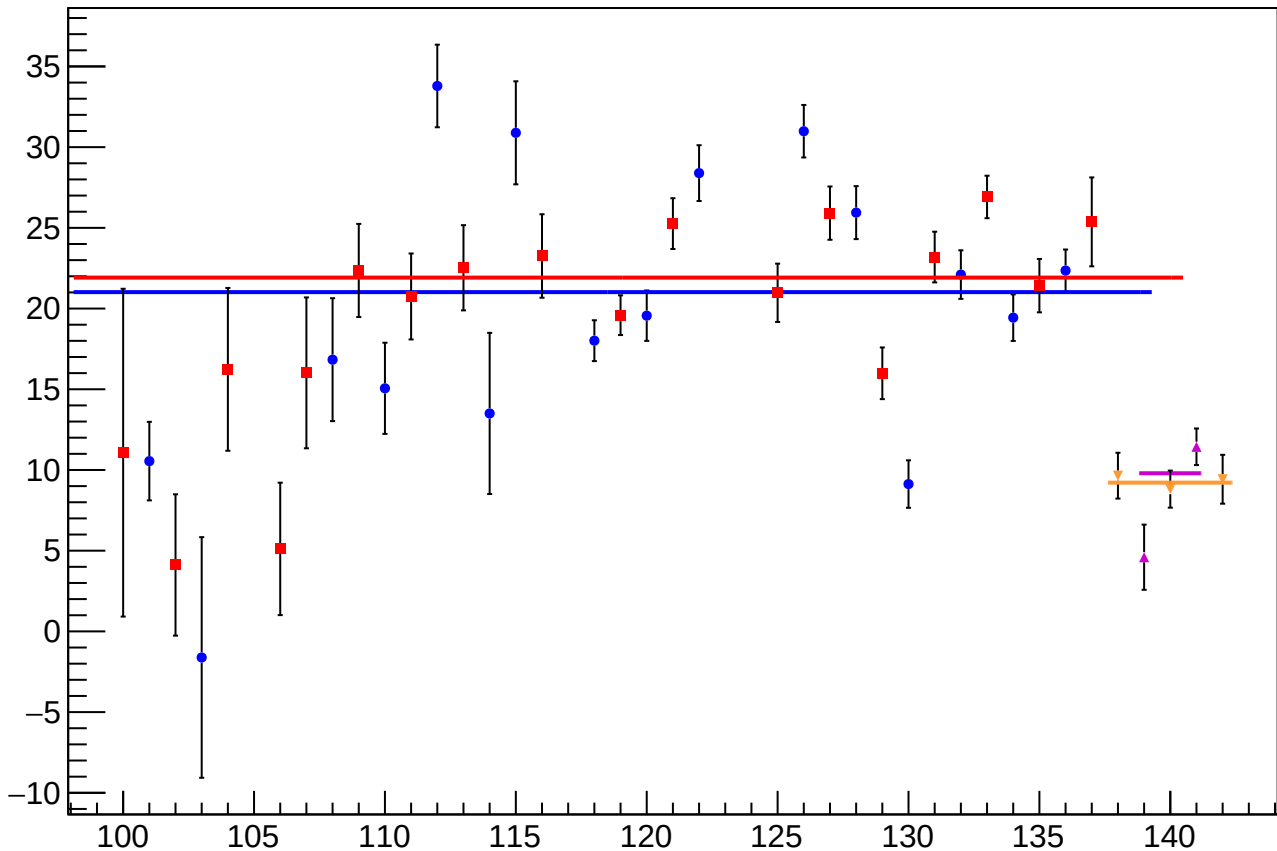
Left In: -29.242 ± 0.898 χ^2/NDF : 0.1/1

+ sign -23.994 ± 0.394 χ^2/NDF : 2108.0/18

All: -26.363 ± 0.287 χ^2/NDF : 4137.6/38

- sign -29.054 ± 0.420 χ^2/NDF : 1952.4/19

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019 ± 0.458 χ^2/NDF : 209.6/15

Left Out: 9.216 ± 0.769 χ^2/NDF : 0.2/2

Right Out: 21.918 ± 0.478 χ^2/NDF : 82.5/17

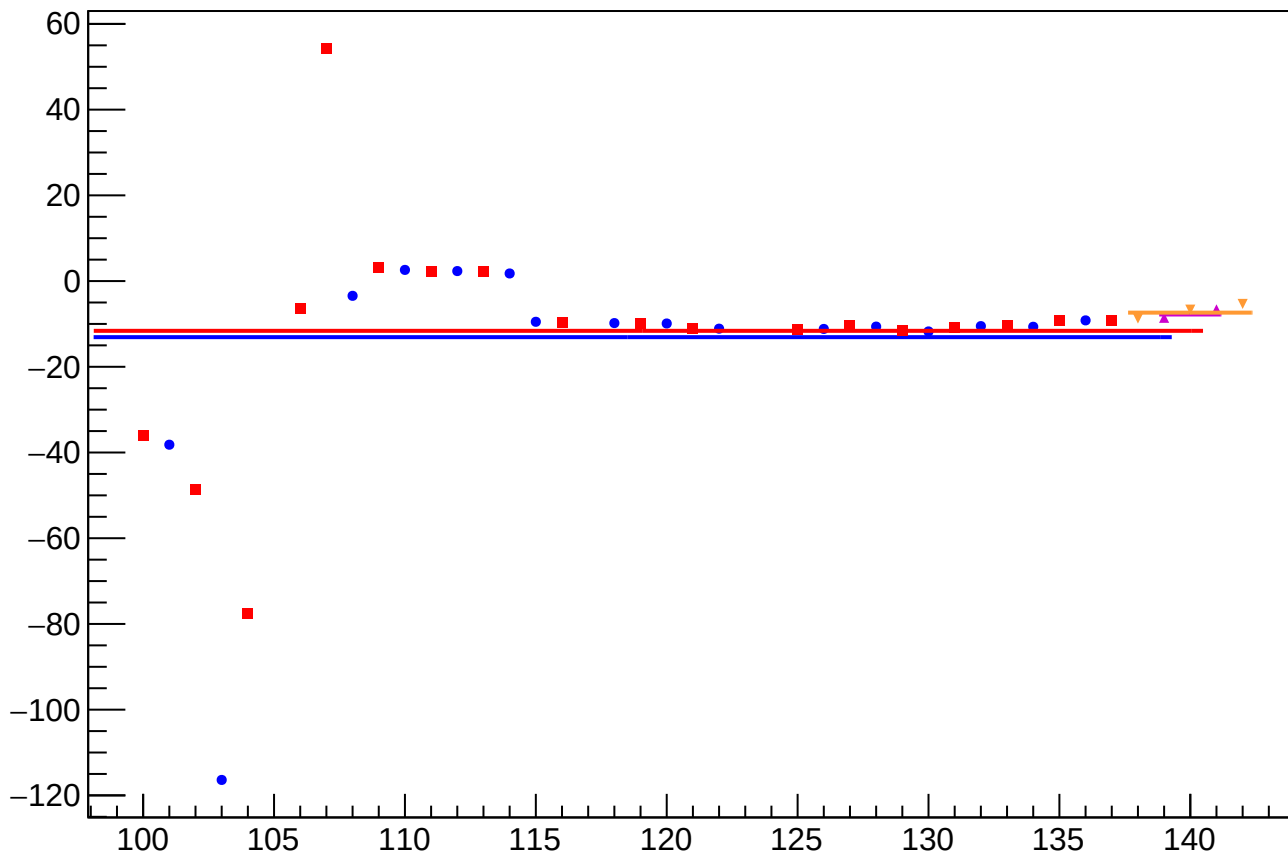
Left In: 9.796 ± 0.989 χ^2/NDF : 8.7/1

+ sign 17.927 ± 0.394 χ^2/NDF : 383.7/18

All: 18.697 ± 0.291 χ^2/NDF : 605.2/38

- sign 19.619 ± 0.431 χ^2/NDF : 213.0/19

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086 ± 0.028 χ^2/NDF : 344941.2/15

Left Out: -7.364 ± 0.033 χ^2/NDF : 1578.5/2

Right Out: -11.610 ± 0.031 χ^2/NDF : 314183.9/17

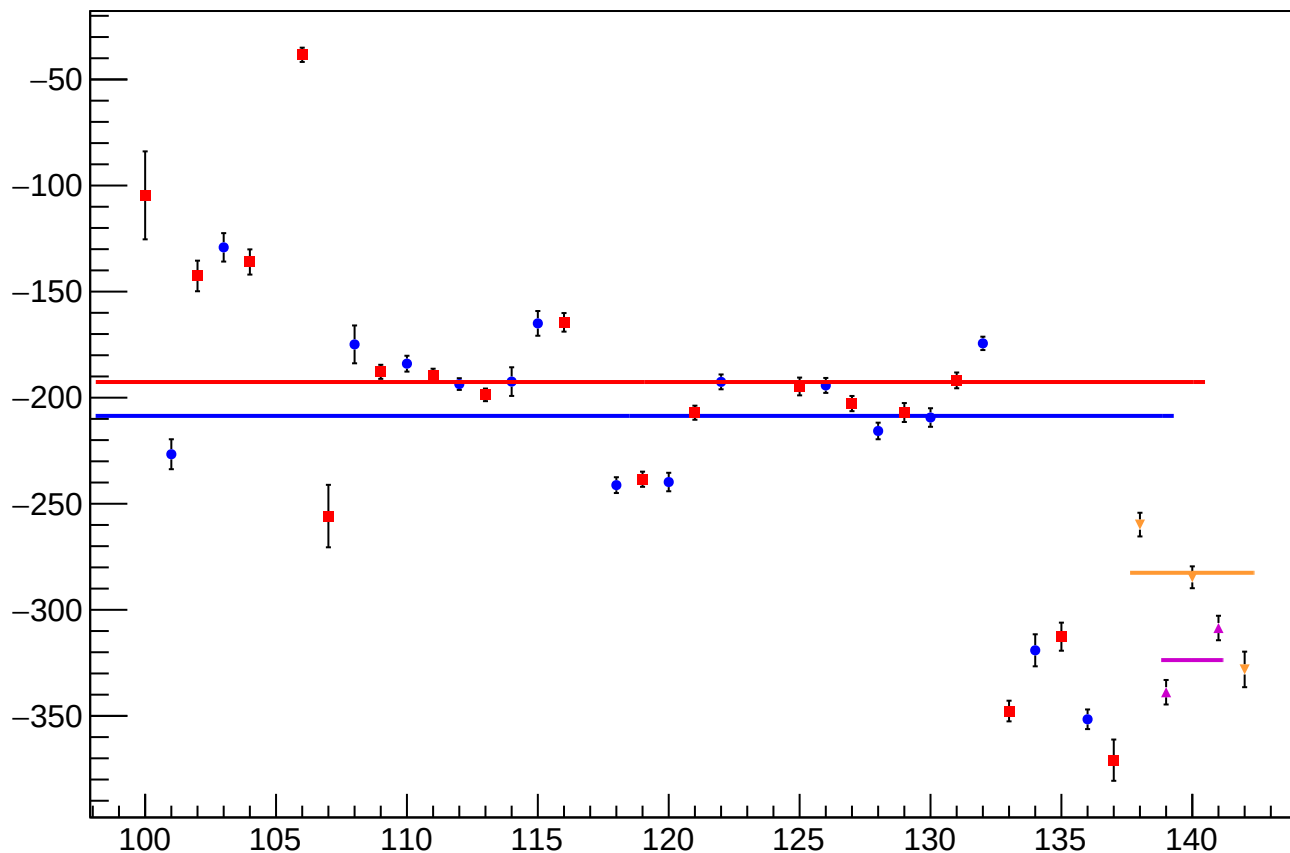
Left In: -7.799 ± 0.034 χ^2/NDF : 801.5/1

+ sign -10.636 ± 0.021 χ^2/NDF : 363890.3/18

All: -10.282 ± 0.016 χ^2/NDF : 686349.7/38

- sign -9.883 ± 0.023 χ^2/NDF : 321882.8/19

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF : 1751.1/15

Left Out: -282.542+/-3.449 χ^2/NDF : 46.3/2

Right Out: -192.617+/-0.999 χ^2/NDF : 4207.1/17

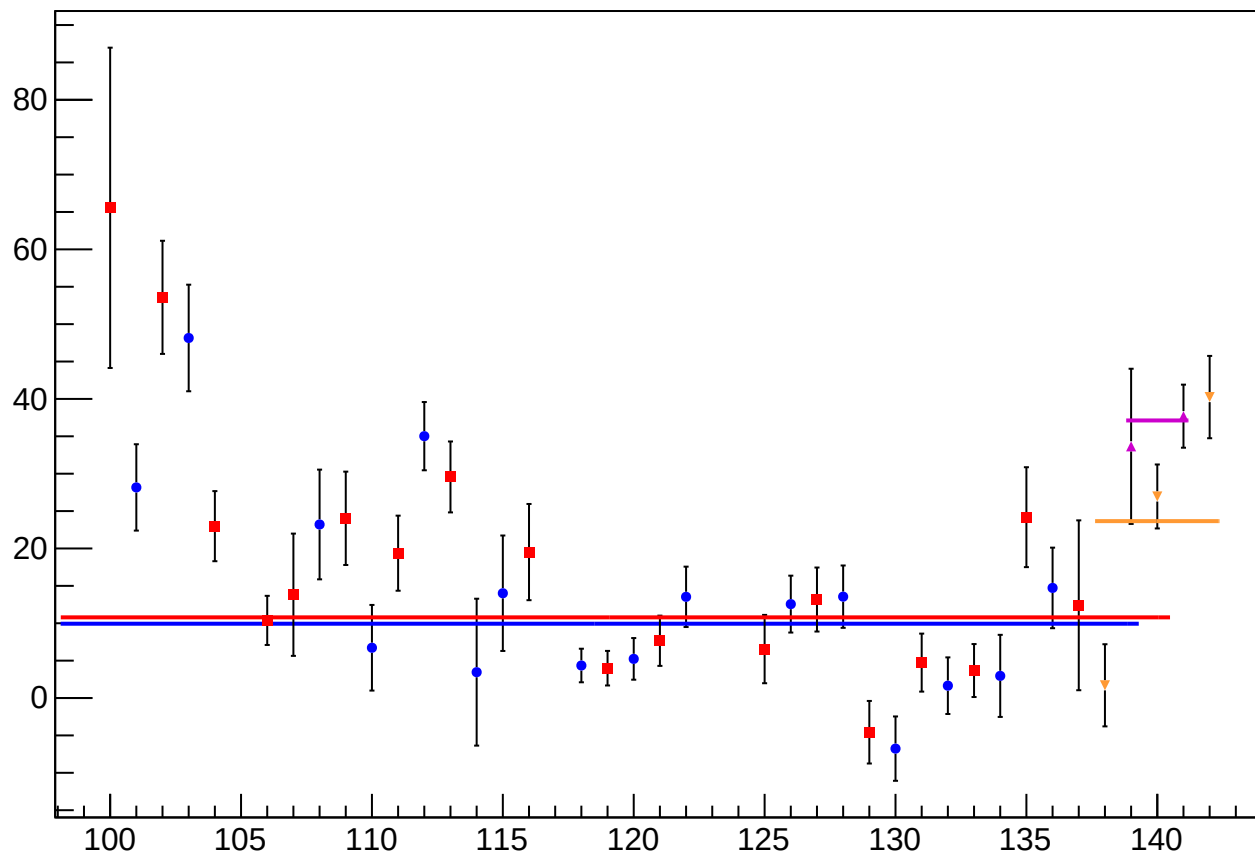
Left In: -323.694+/-4.084 χ^2/NDF : 13.7/1

+ sign -215.039+/-1.019 χ^2/NDF : 2217.0/18

All: -207.160+/-0.703 χ^2/NDF : 7523.8/38

- sign -200.015+/-0.970 χ^2/NDF : 5192.7/19

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF : 106.6/15

Left Out: 23.657+/-2.877 χ^2/NDF : 25.7/2

Right Out: 10.788+/-1.044 χ^2/NDF : 105.1/17

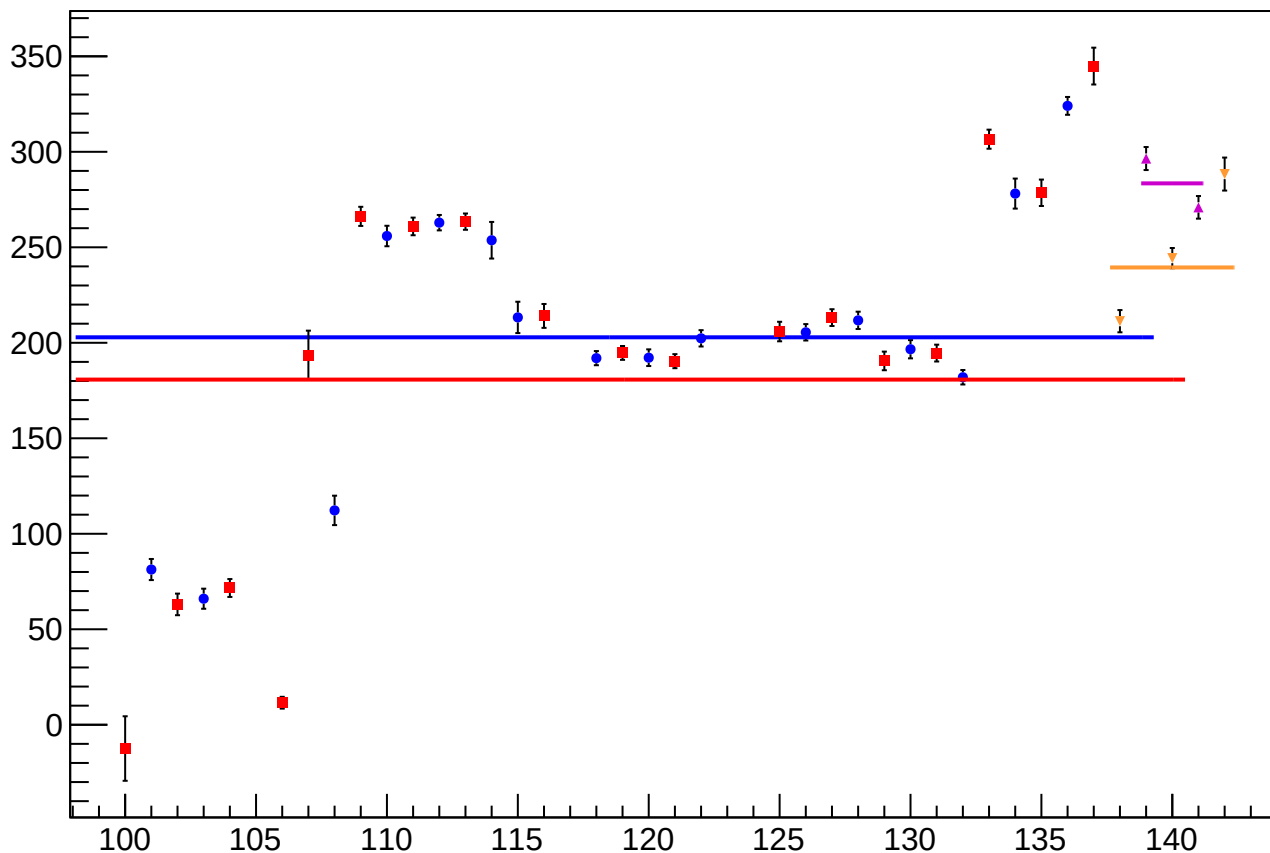
Left In: 37.120+/-3.907 χ^2/NDF : 0.1/1

+ sign 11.592+/-0.999 χ^2/NDF : 152.2/18

All: 12.063+/-0.710 χ^2/NDF : 300.3/38

- sign 12.542+/-1.008 χ^2/NDF : 147.6/19

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: 239.444 $\pm$ 3.568 χ^2 /NDF:56.2/2

Right Out: 180.731 $\pm$ 1.144 χ^2 /NDF: 6347.9/17

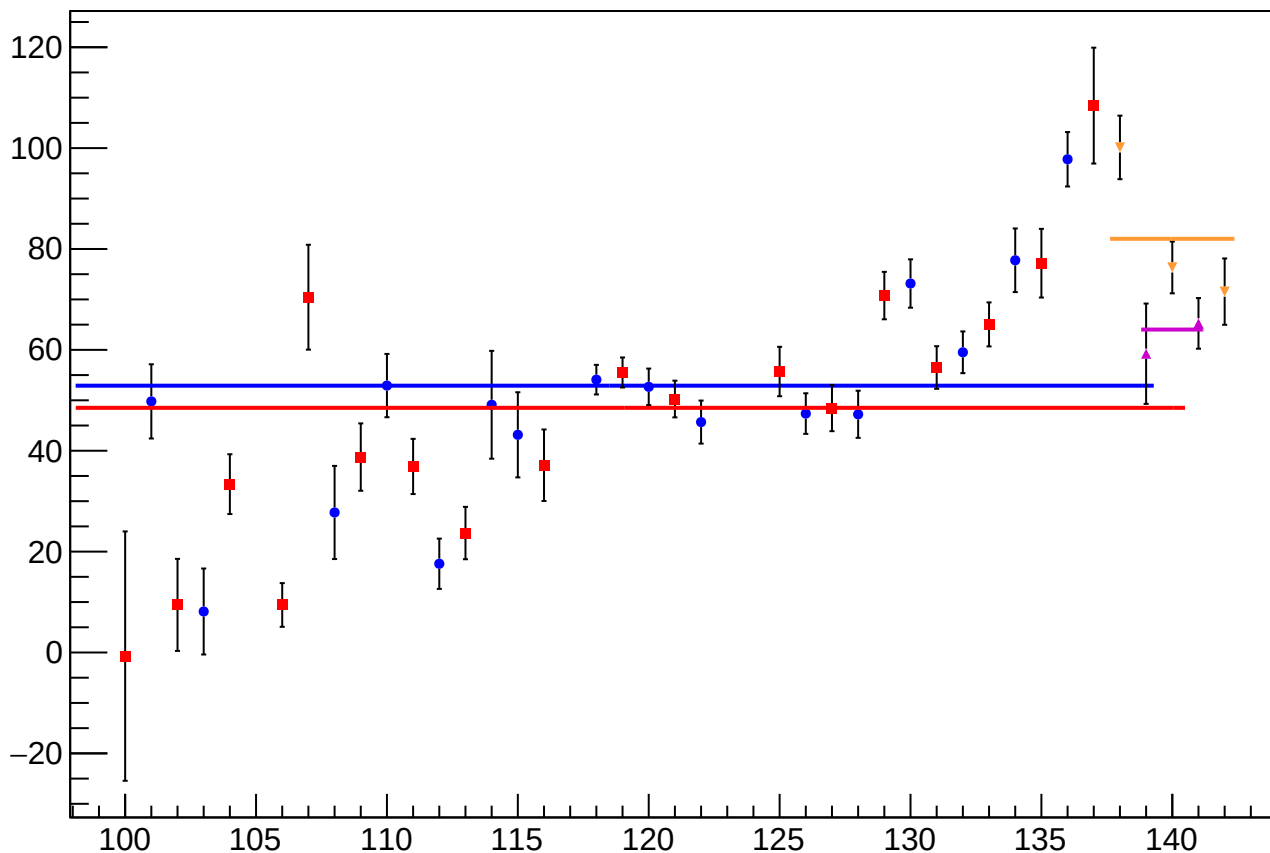
Left In: 283.473 $\pm$ 4.224 χ^2 /NDF:9.1/1

+ sign 206.733 $\pm$ 1.159 χ^2 /NDF: 2614.4/18

All: 196.777 $\pm$ 0.799 χ^2 /NDF: 9663.4/38

- sign 187.748 $\pm$ 1.104 χ^2 /NDF: 6908.3/19

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899 $\pm$ 1.242 χ^2 /NDF: 198.3/15

Left Out: 82.016 $\pm$ 3.408 χ^2 /NDF:12.0/2

Right Out: 48.510 $\pm$ 1.214 χ^2 /NDF: 240.0/17

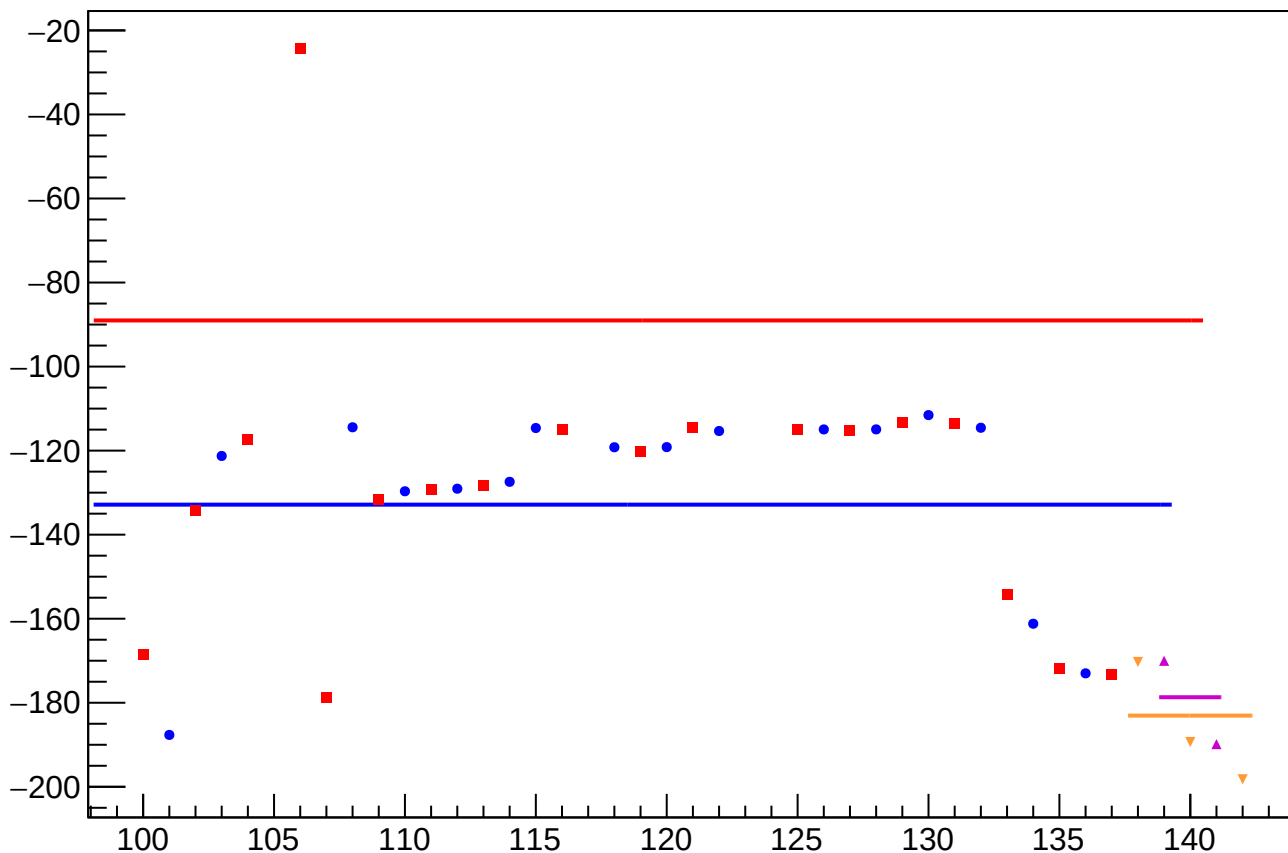
Left In: 64.028 $\pm$ 4.482 χ^2 /NDF:0.3/1

+ sign 56.311 $\pm$ 1.167 χ^2 /NDF: 274.8/18

All: 52.957 $\pm$ 0.827 χ^2 /NDF: 542.8/38

- sign 49.571 $\pm$ 1.172 χ^2 /NDF: 251.5/19

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856 ± 0.081 χ^2/NDF : 93497.9/15

Left Out: -183.061 ± 0.151 χ^2/NDF : 5511.4/2

Right Out: -89.020 ± 0.064 χ^2/NDF : 728110.1/17

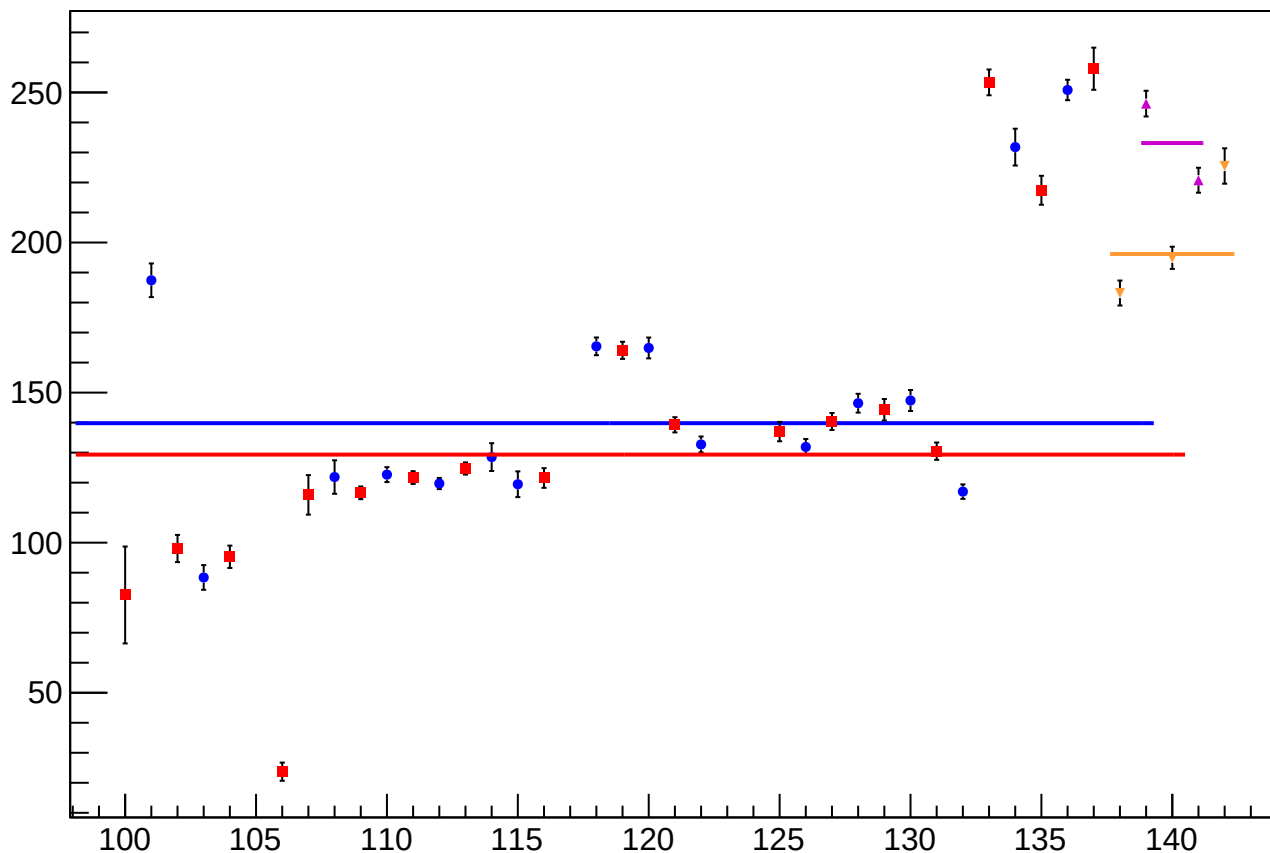
Left In: -178.688 ± 0.161 χ^2/NDF : 3741.9/1

+ sign -144.200 ± 0.072 χ^2/NDF : 185065.5/18

All: -118.889 ± 0.046 χ^2/NDF : 1396974.9/38

- sign -101.340 ± 0.060 χ^2/NDF : 1000143.2/19

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810 $\pm$ 0.785 χ^2 /NDF: 1964.9/15

Left Out: 196.175 $\pm$ 2.504 χ^2 /NDF:34.6/2

Right Out: 129.344 $\pm$ 0.734 χ^2 /NDF: 3123.5/17

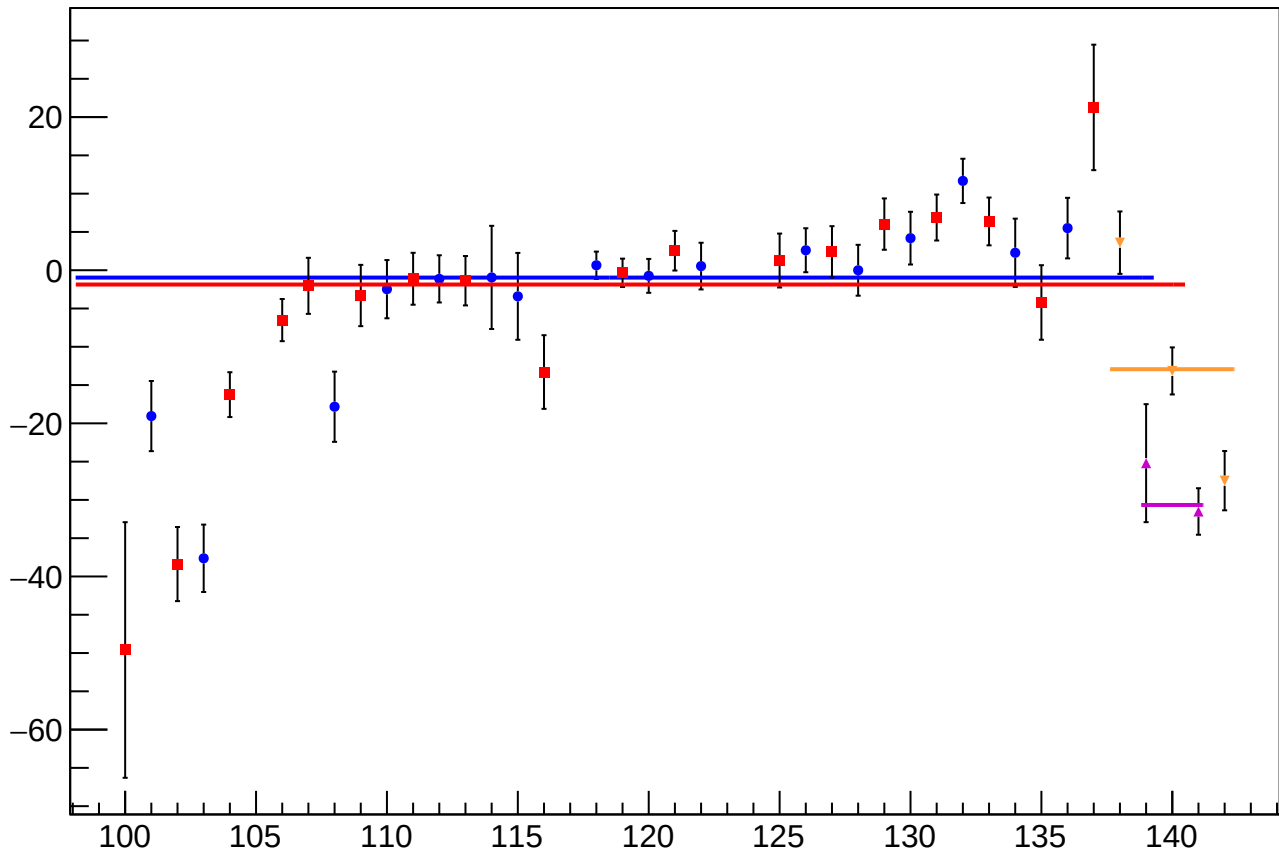
Left In: 233.141 $\pm$ 2.983 χ^2 /NDF:18.3/1

+ sign 144.850 $\pm$ 0.749 χ^2 /NDF: 2461.1/18

All: 139.829 $\pm$ 0.516 χ^2 /NDF: 6830.5/38

- sign 135.275 $\pm$ 0.713 χ^2 /NDF: 4283.6/19

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963 ± 0.808 χ^2/NDF : 126.1/15

Left Out: -12.928 ± 2.073 χ^2/NDF : 30.6/2

Right Out: -1.869 ± 0.784 χ^2/NDF : 133.2/17

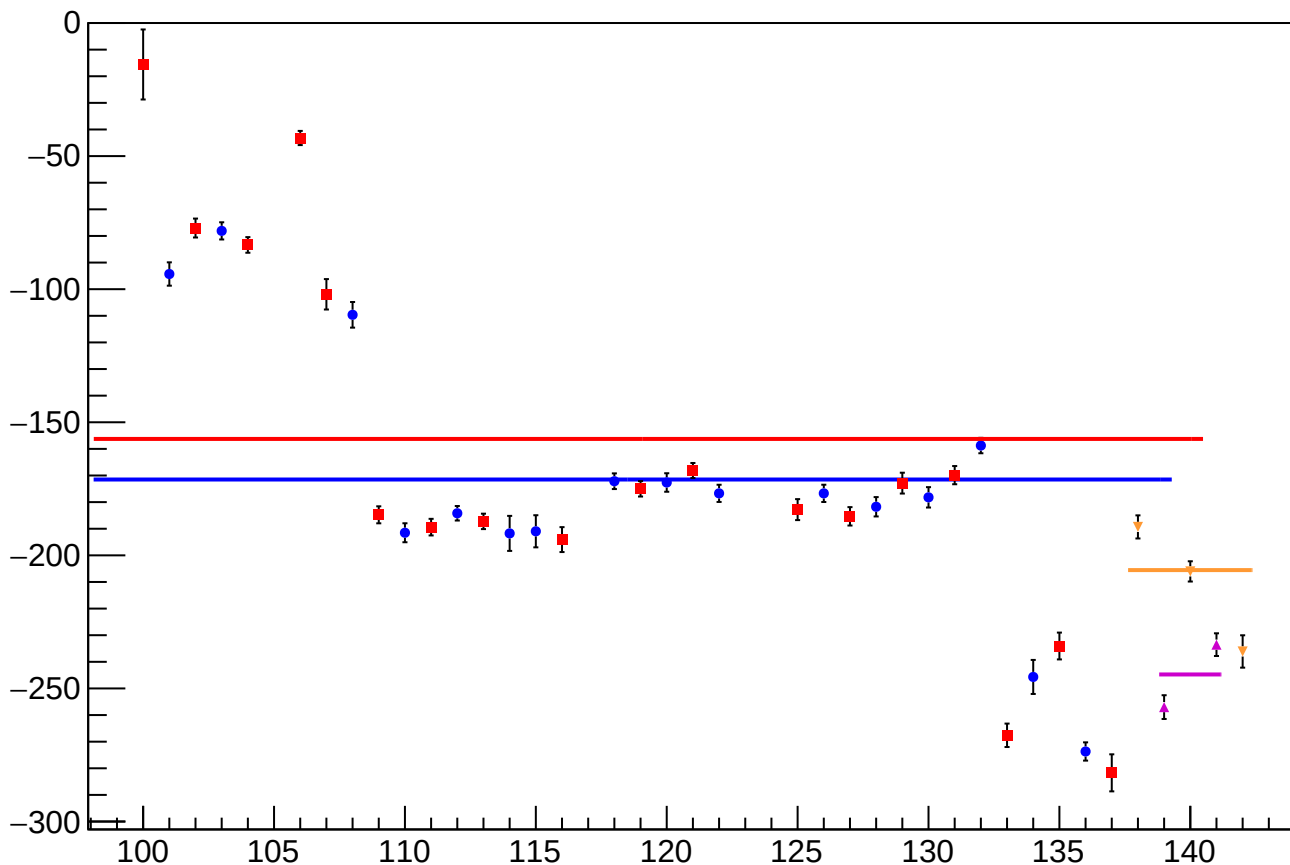
Left In: -30.663 ± 2.826 χ^2/NDF : 0.6/1

+ sign -2.542 ± 0.753 χ^2/NDF : 185.6/18

All: -3.231 ± 0.533 χ^2/NDF : 417.4/38

- sign -3.924 ± 0.755 χ^2/NDF : 230.1/19

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506 ± 0.907 $\chi^2/\text{NDF}: 2442.8/15$

Left Out: -205.540 ± 2.589 $\chi^2/\text{NDF}: 39.3/2$

Right Out: -156.260 ± 0.847 $\chi^2/\text{NDF}: 4904.3/17$

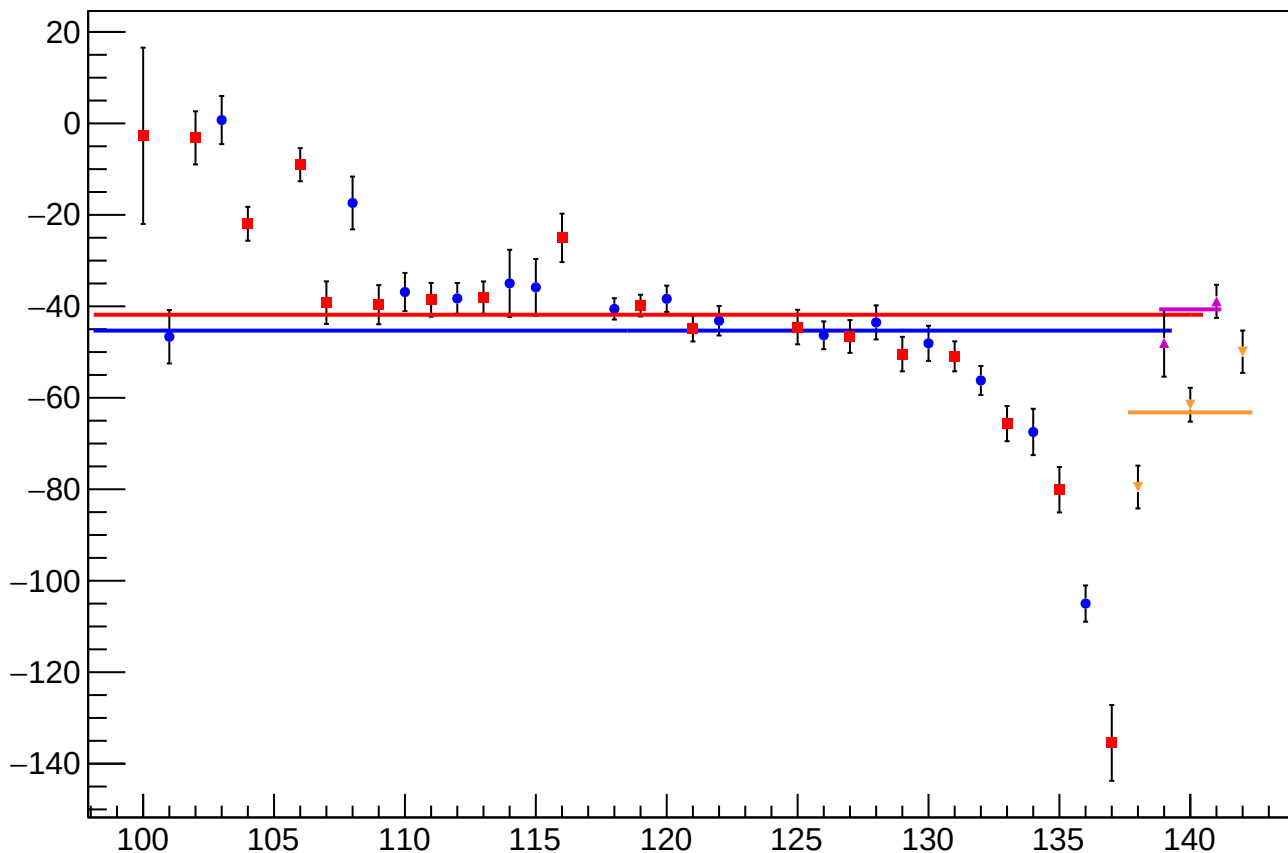
Left In: -244.748 ± 3.083 $\chi^2/\text{NDF}: 14.4/1$

+ sign -175.225 ± 0.856 $\chi^2/\text{NDF}: 2636.0/18$

All: -168.554 ± 0.591 $\chi^2/\text{NDF}: 8436.7/38$

- sign -162.473 ± 0.817 $\chi^2/\text{NDF}: 5684.6/19$

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304 ± 0.938 χ^2/NDF : 382.0/15

Left Out: -63.200 ± 2.458 χ^2/NDF : 20.6/2

Right Out: -41.832 ± 0.909 χ^2/NDF : 414.2/17

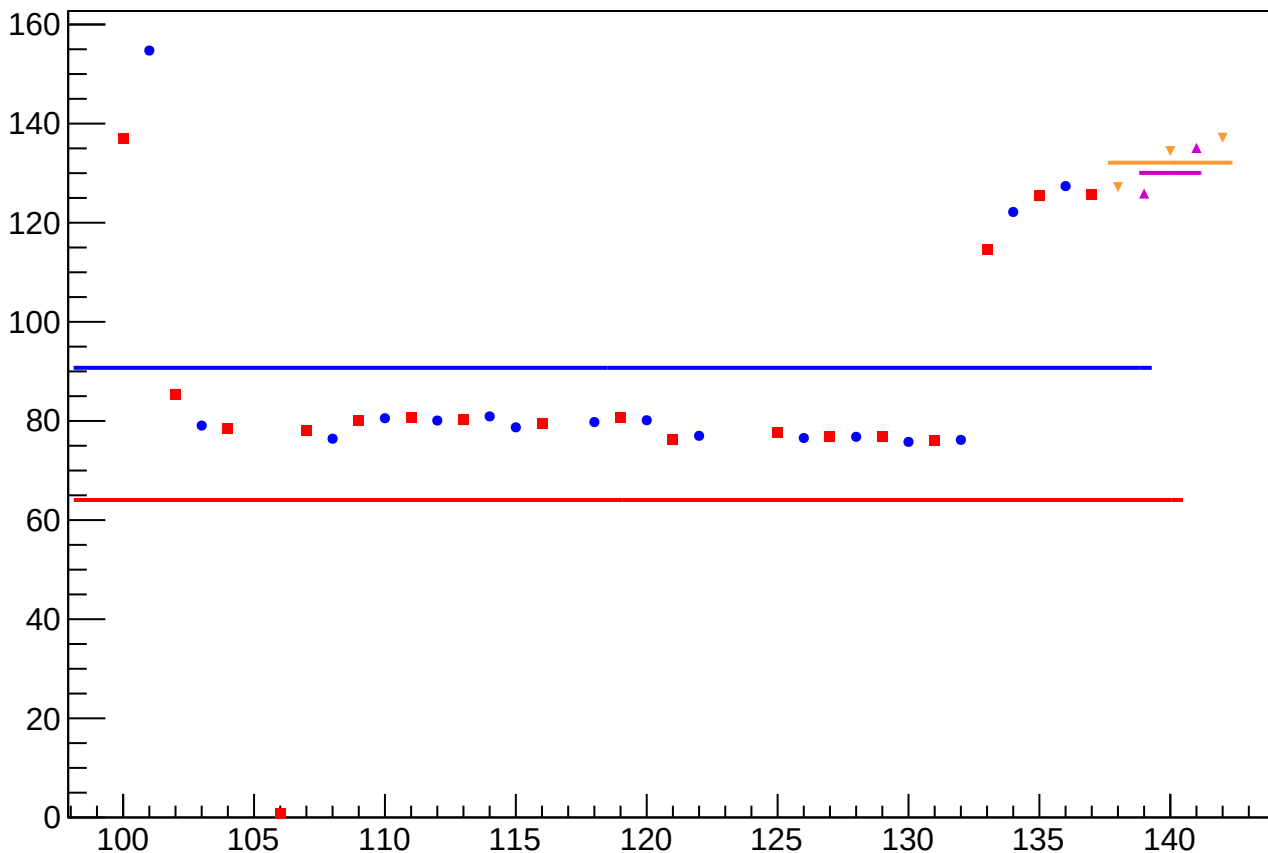
Left In: -40.664 ± 3.248 χ^2/NDF : 1.2/1

+ sign -47.578 ± 0.876 χ^2/NDF : 448.9/18

All: -44.661 ± 0.619 χ^2/NDF : 886.7/38

- sign -41.747 ± 0.876 χ^2/NDF : 415.6/19

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF : 161153.0/15

Left Out: 132.115+/-0.109 χ^2/NDF : 1395.6/2

Right Out: 64.059+/-0.049 χ^2/NDF : 660935.1/17

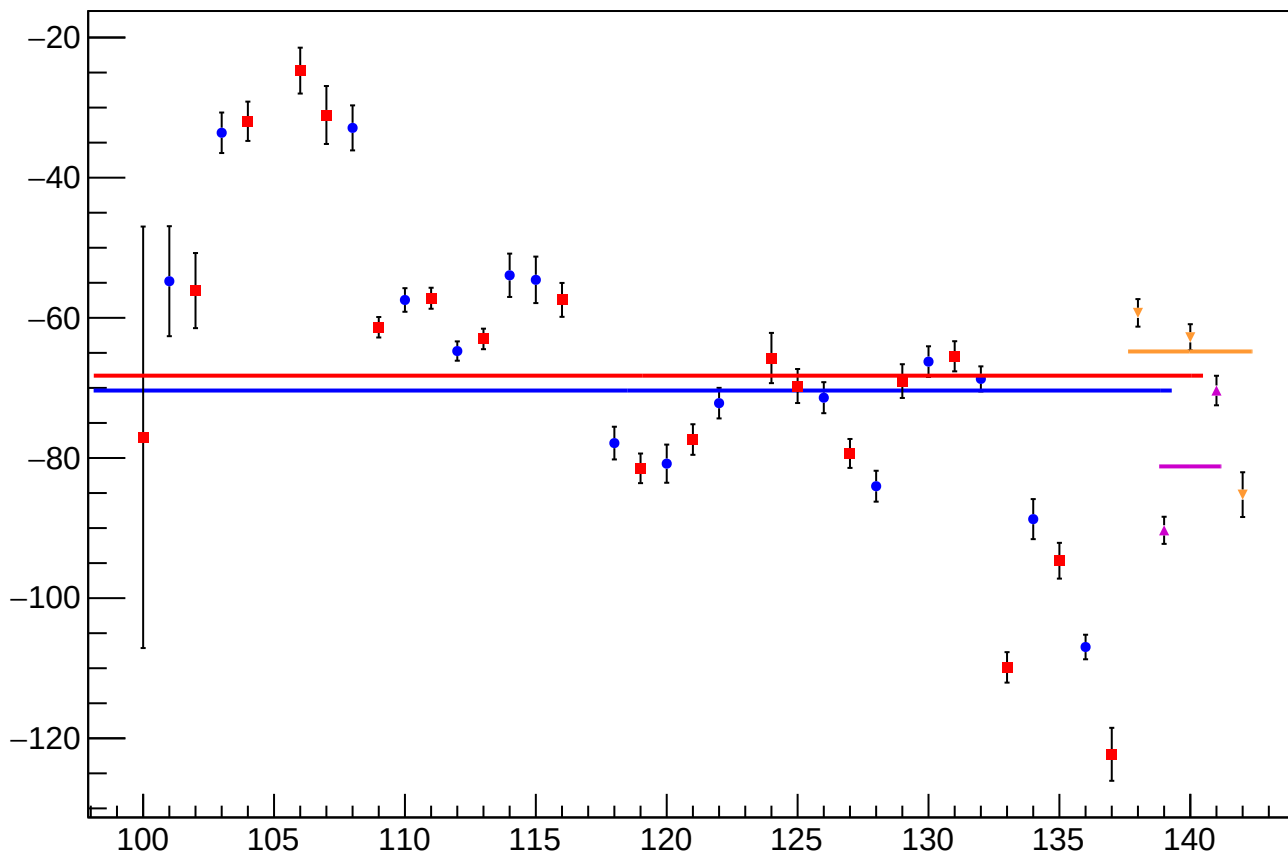
Left In: 130.055+/-0.118 χ^2/NDF : 1512.6/1

+ sign 99.921+/-0.052 χ^2/NDF : 273817.3/18

All: 85.279+/-0.034 χ^2/NDF : 1346700.0/38

- sign 73.899+/-0.045 χ^2/NDF : 929669.0/19

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374 $\pm$ 0.558 χ^2 /NDF: 974.9/15

Left Out: -64.800 $\pm$ 1.248 χ^2 /NDF: 49.9/2

Right Out: -68.252 $\pm$ 0.527 χ^2 /NDF: 1306.0/18

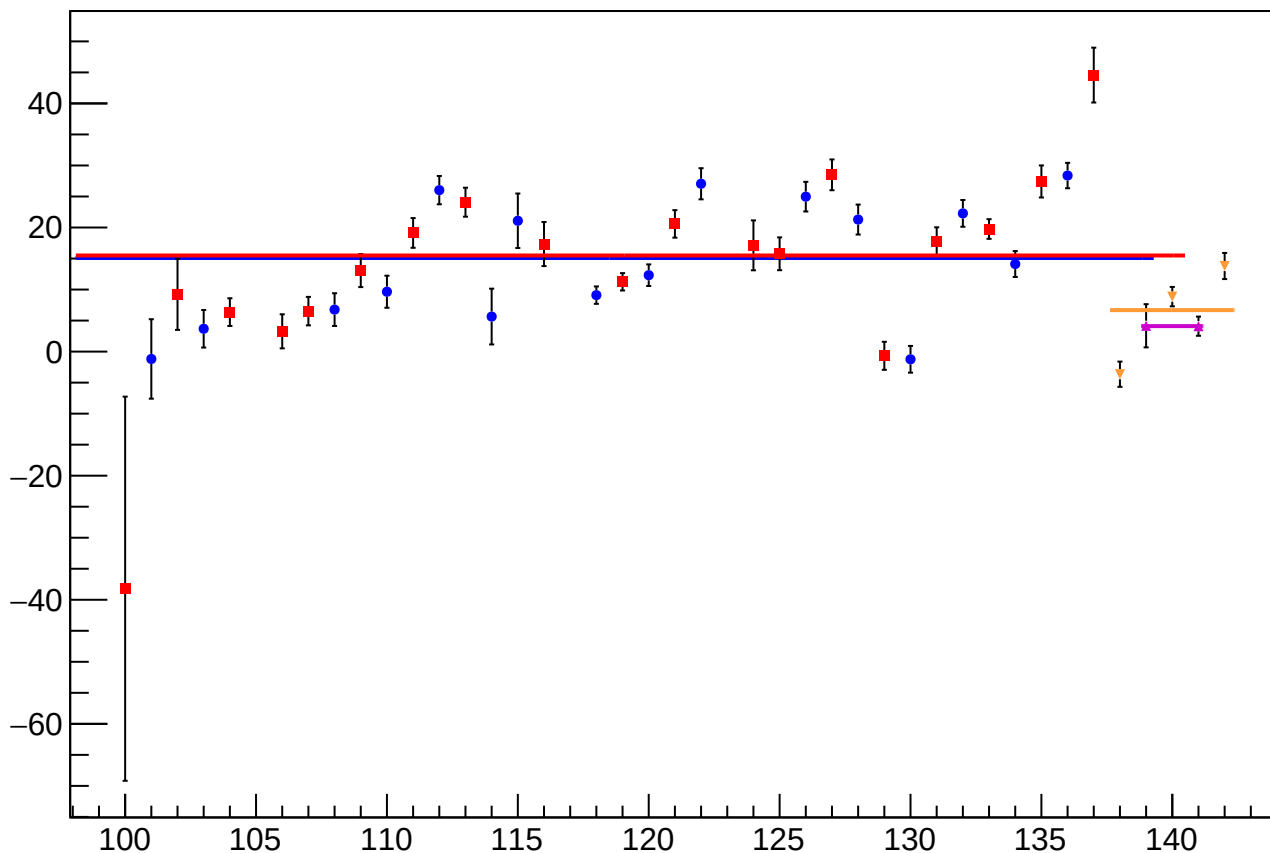
Left In: -81.202 $\pm$ 1.425 χ^2 /NDF: 48.6/1

+ sign -69.446 $\pm$ 0.509 χ^2 /NDF: 1041.4/18

All: -69.632 $\pm$ 0.355 χ^2 /NDF: 2468.9/39

- sign -69.807 $\pm$ 0.494 χ^2 /NDF: 1427.2/20

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: 6.685 $\pm$ 1.068 χ^2 /NDF: 39.2/2

Right Out: 15.491 $\pm$ 0.558 χ^2 /NDF: 239.3/18

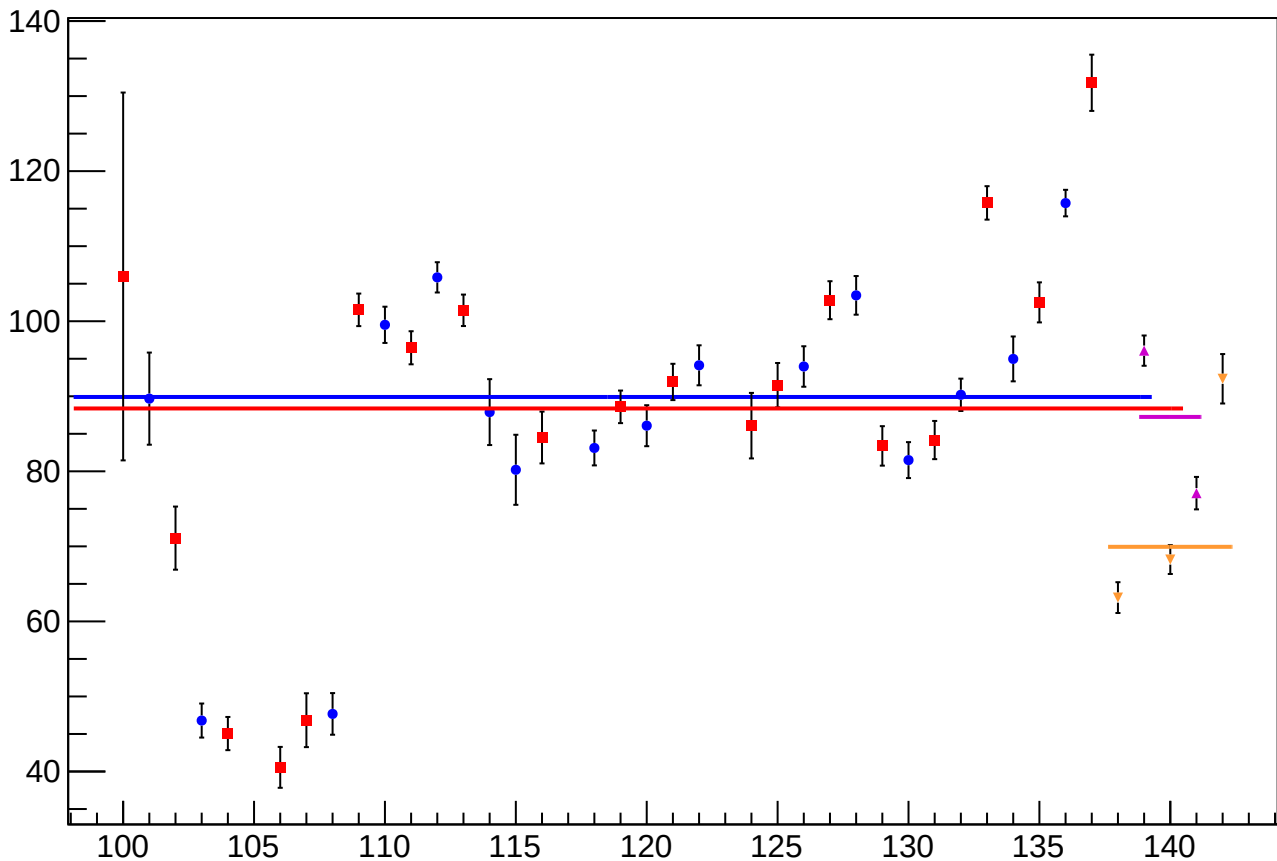
Left In: 4.107 $\pm$ 1.414 χ^2 /NDF: 0.0/1

+ sign 13.172 $\pm$ 0.510 χ^2 /NDF: 329.5/18

All: 13.557 $\pm$ 0.364 χ^2 /NDF: 626.0/39

- sign 13.957 $\pm$ 0.519 χ^2 /NDF: 295.3/20

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907 $\pm$ 0.641 χ^2 /NDF: 947.7/15

Left Out: 69.939 $\pm$ 1.292 χ^2 /NDF:57.8/2

Right Out: 88.375 $\pm$ 0.617 χ^2 /NDF: 1288.9/18

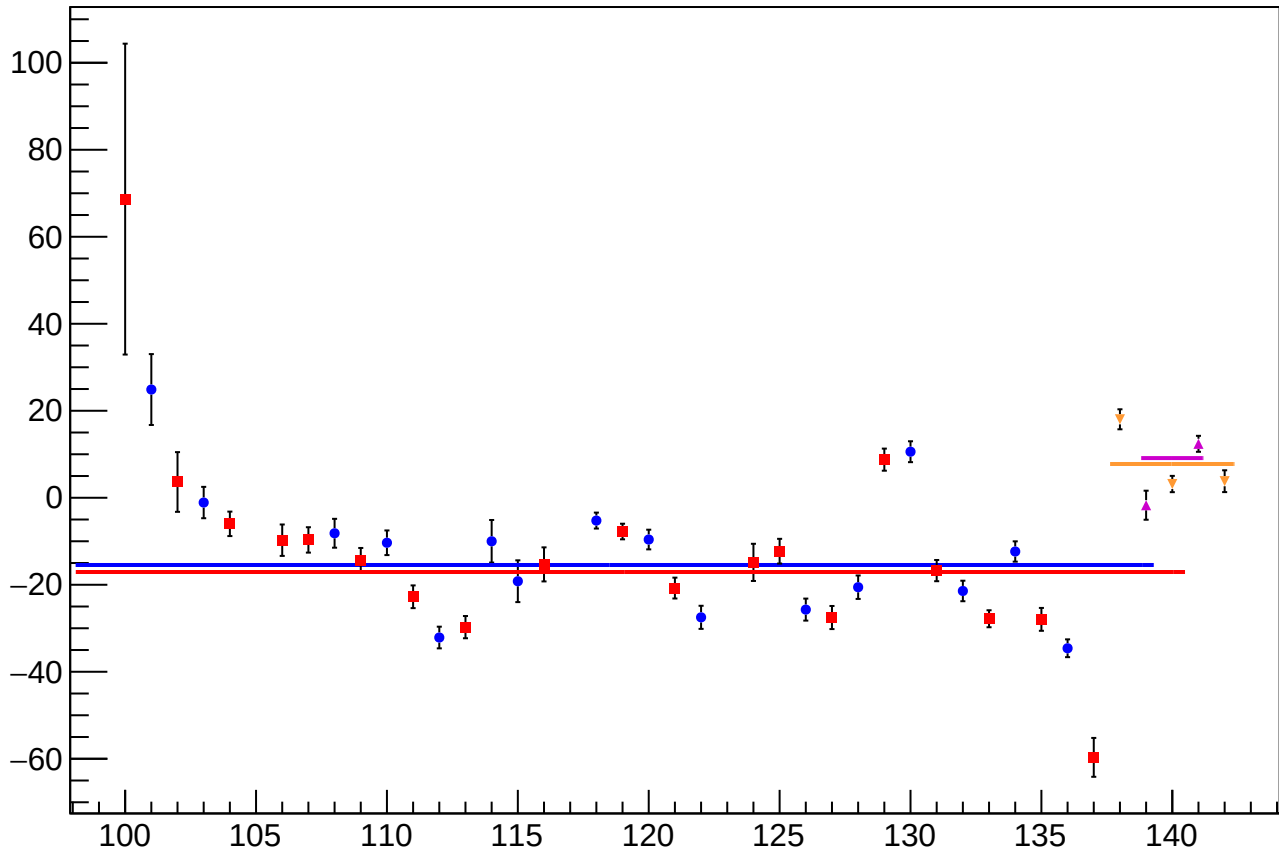
Left In: 87.249 $\pm$ 1.475 χ^2 /NDF:41.2/1

+ sign 85.964 $\pm$ 0.574 χ^2 /NDF: 1197.4/18

All: 87.094 $\pm$ 0.404 χ^2 /NDF: 2535.7/39

- sign 88.207 $\pm$ 0.570 χ^2 /NDF: 1330.6/20

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454 $\pm$ 0.665 χ^2 /NDF: 386.5/15

Left Out: 7.763 $\pm$ 1.257 χ^2 /NDF: 28.5/2

Right Out: -17.066 $\pm$ 0.644 χ^2 /NDF: 361.0/18

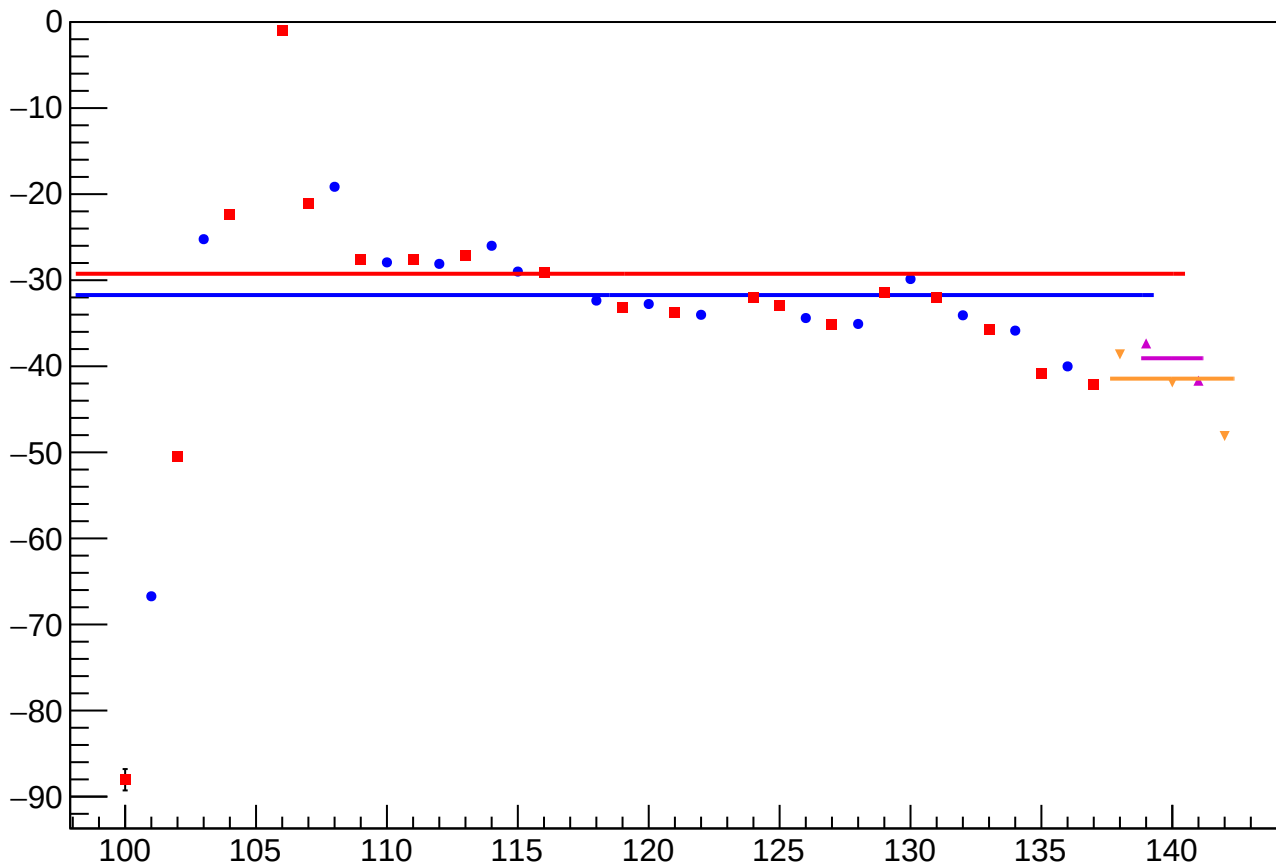
Left In: 9.122 $\pm$ 1.609 χ^2 /NDF: 13.7/1

+ sign -10.370 $\pm$ 0.588 χ^2 /NDF: 681.5/18

All: -11.888 $\pm$ 0.419 χ^2 /NDF: 1298.1/39

- sign -13.455 $\pm$ 0.598 χ^2 /NDF: 603.0/20

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -31.725 ± 0.039 χ^2/NDF : 39636.6/15

Left Out: -41.437 ± 0.054 χ^2/NDF : 3679.5/2

Right Out: -29.250 ± 0.038 χ^2/NDF : 95235.9/18

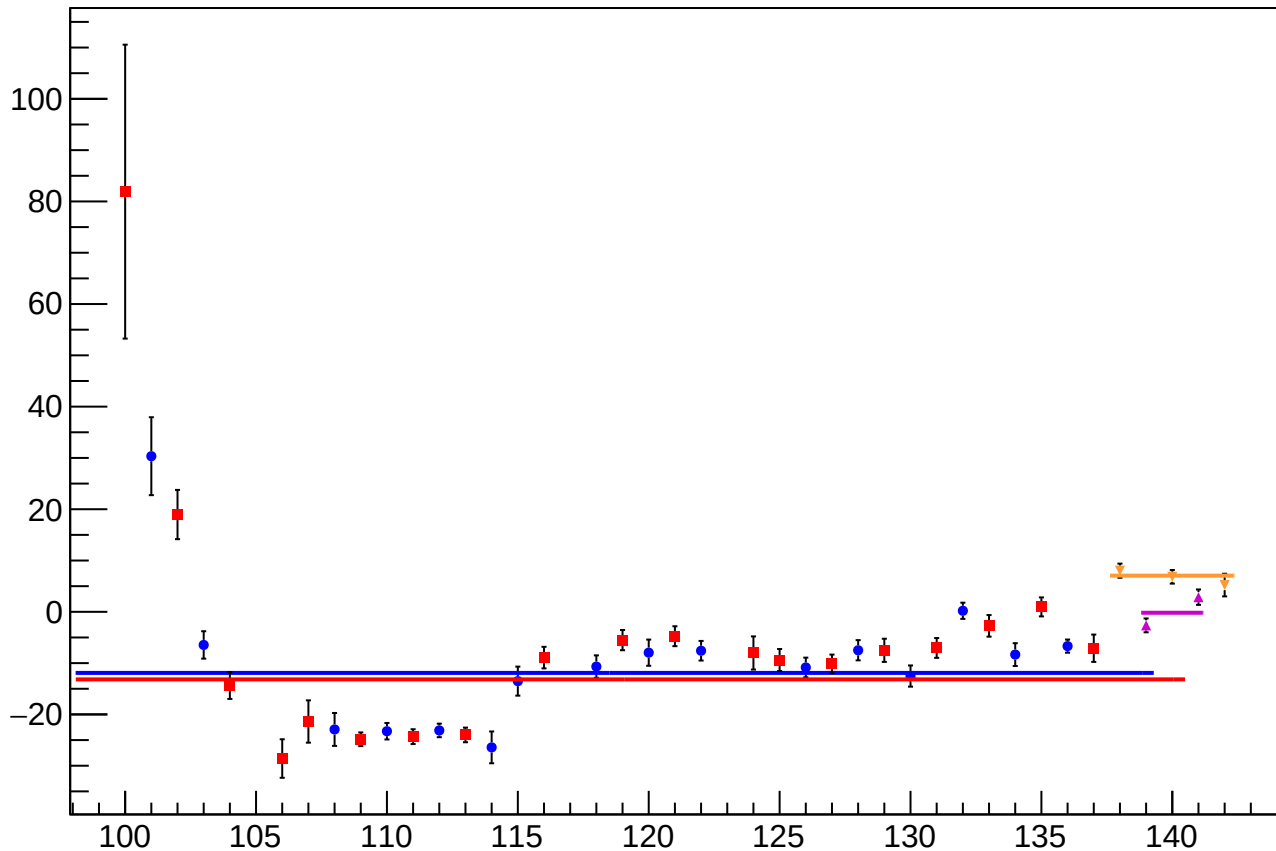
Left In: -39.067 ± 0.056 χ^2/NDF : 1447.0/1

+ sign -35.002 ± 0.031 χ^2/NDF : 64769.3/18

All: -33.718 ± 0.022 χ^2/NDF : 185855.3/39

- sign -32.412 ± 0.032 χ^2/NDF : 117705.1/20

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906 ± 0.497 χ^2/NDF : 282.1/15

Left Out: 7.054 ± 0.877 χ^2/NDF : 1.2/2

Right Out: -13.169 ± 0.480 χ^2/NDF : 421.5/18

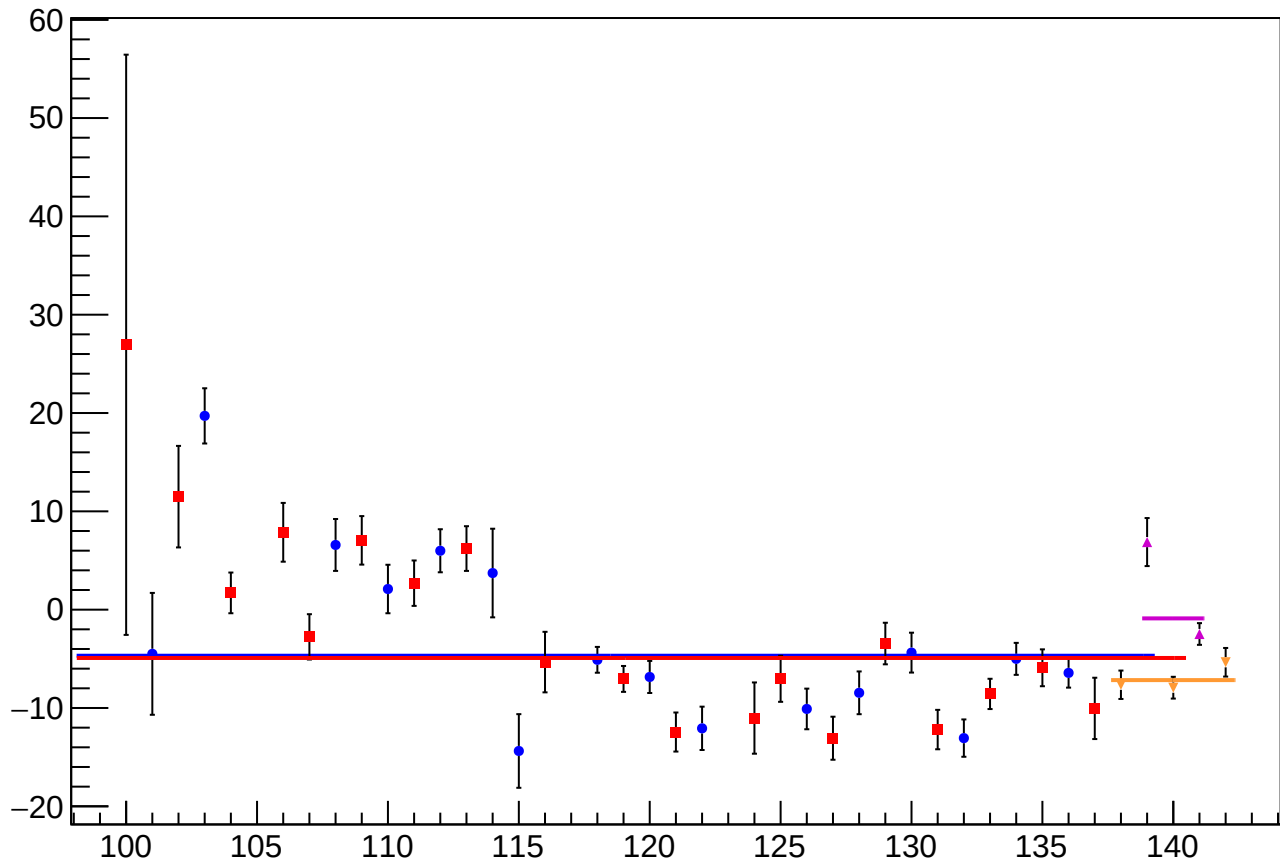
Left In: -0.180 ± 1.005 χ^2/NDF : 7.4/1

+ sign -7.299 ± 0.432 χ^2/NDF : 637.3/18

All: -9.023 ± 0.306 χ^2/NDF : 1234.2/39

- sign -10.755 ± 0.433 χ^2/NDF : 565.0/20

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686 ± 0.517 χ^2/NDF : 179.0/15

Left Out: -7.164 ± 0.752 χ^2/NDF : 2.1/2

Right Out: -4.913 ± 0.513 χ^2/NDF : 155.9/18

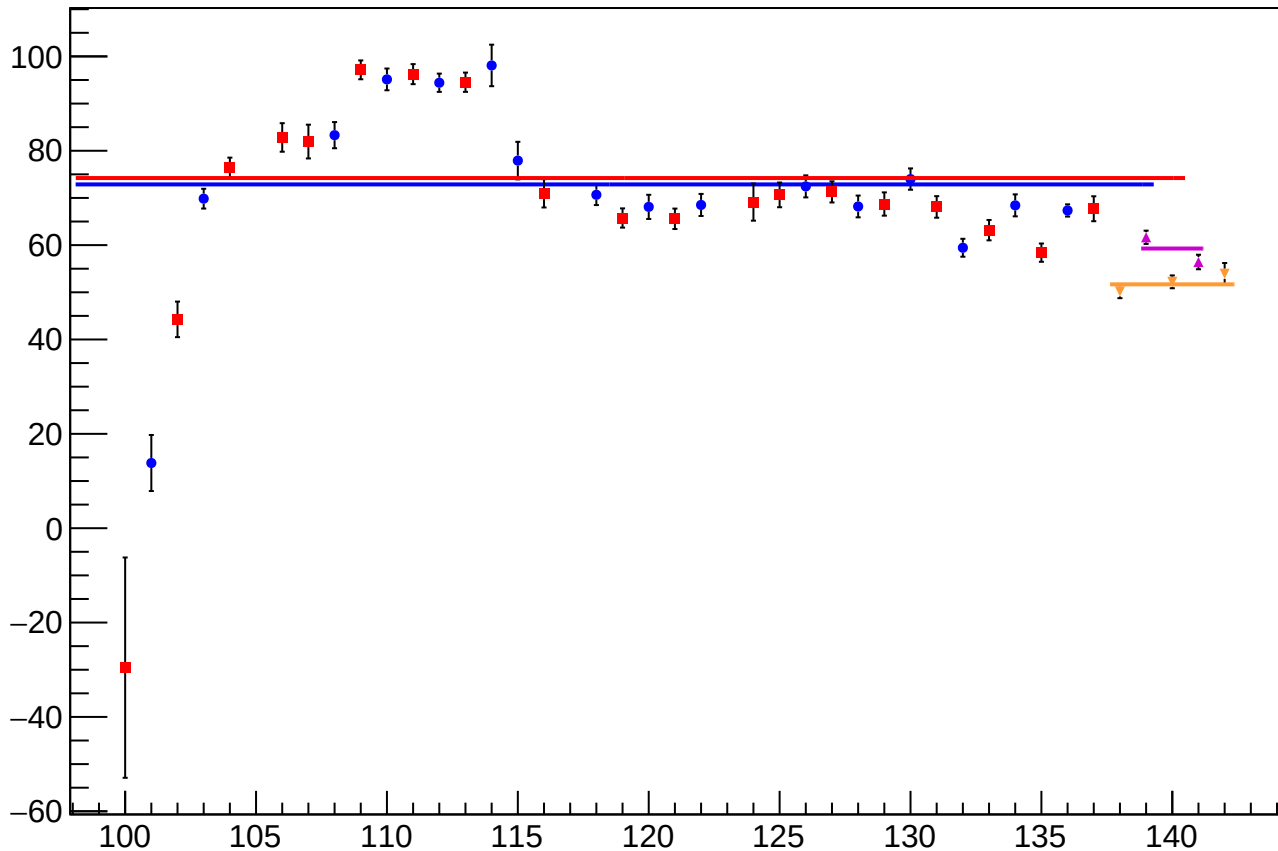
Left In: -0.888 ± 1.006 χ^2/NDF : 12.2/1

+ sign -5.481 ± 0.426 χ^2/NDF : 188.6/18

All: -4.831 ± 0.312 χ^2/NDF : 374.3/39

- sign -4.083 ± 0.457 χ^2/NDF : 180.7/20

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: 51.687 $\pm$ 0.908 χ^2 /NDF: 2.2/2

Right Out: 74.217 $\pm$ 0.562 χ^2 /NDF: 586.2/18

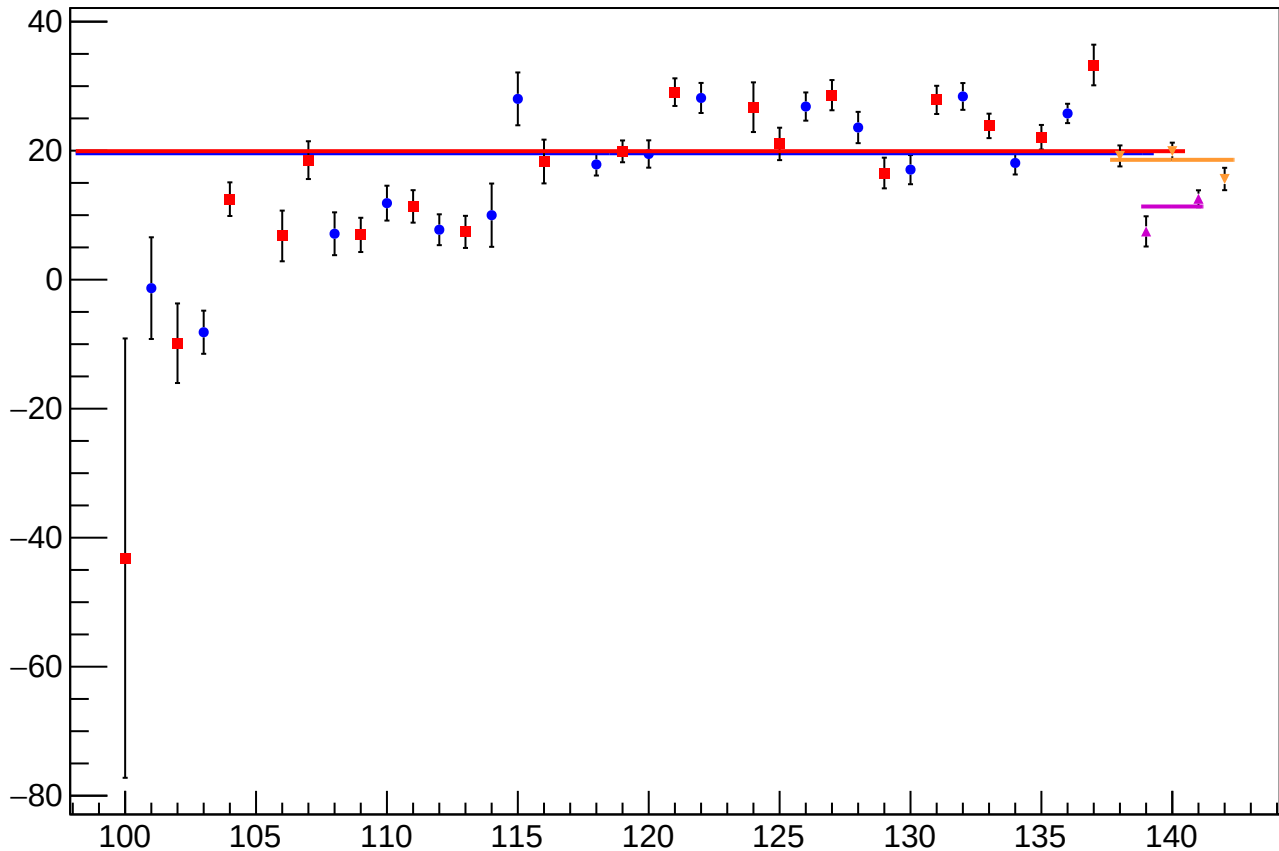
Left In: 59.277 $\pm$ 1.040 χ^2 /NDF: 6.3/1

+ sign 66.945 $\pm$ 0.480 χ^2 /NDF: 845.2/18

All: 68.832 $\pm$ 0.344 χ^2 /NDF: 1629.4/39

- sign 70.836 $\pm$ 0.495 χ^2 /NDF: 752.3/20

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: 18.579 $\pm$ 0.884 χ^2/NDF : 4.1/2

Right Out: 19.919 $\pm$ 0.585 χ^2/NDF : 181.3/18

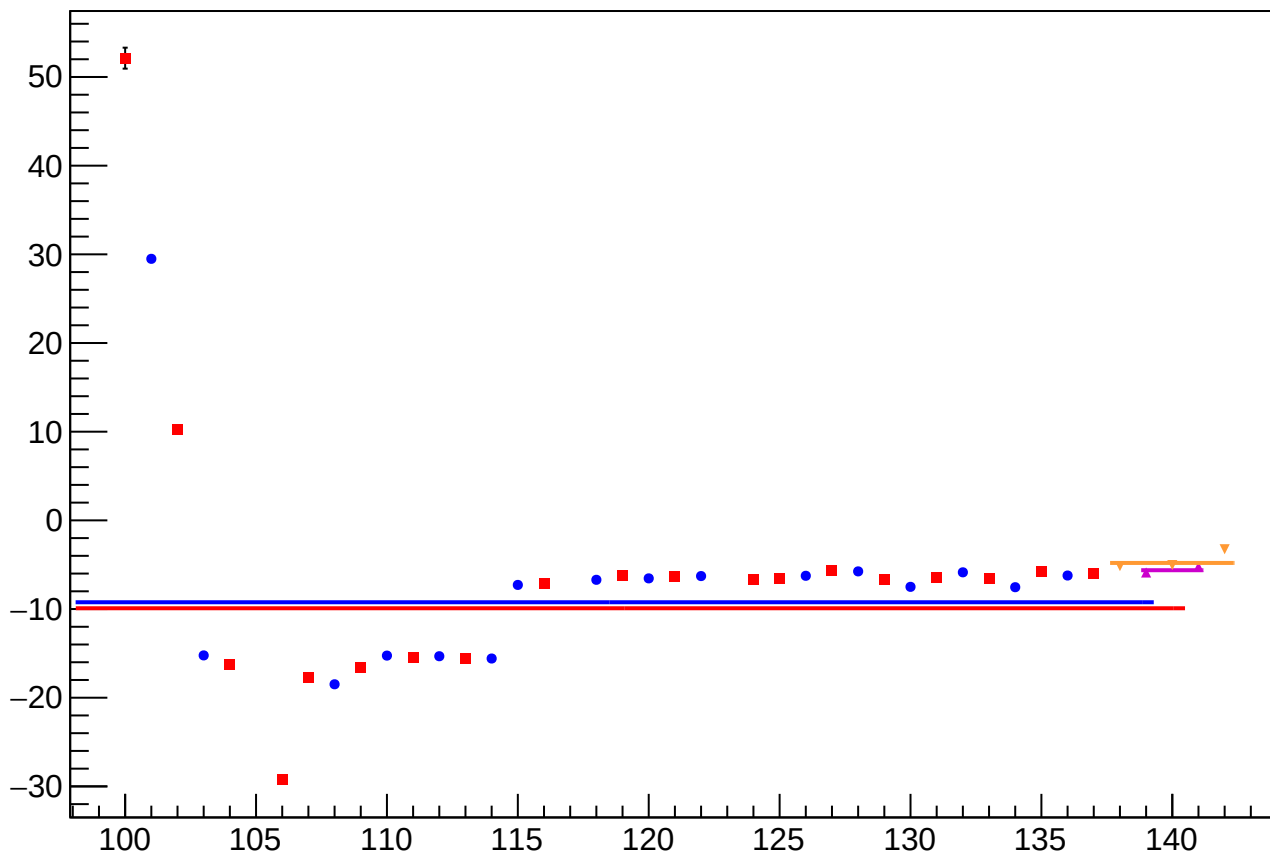
Left In: 11.342 $\pm$ 1.143 χ^2/NDF : 3.6/1

+ sign 19.287 $\pm$ 0.488 χ^2/NDF : 201.0/18

All: 18.750 $\pm$ 0.356 χ^2/NDF : 433.1/39

- sign 18.137 $\pm$ 0.521 χ^2/NDF : 229.5/20

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235 ± 0.033 χ^2/NDF : 31159.3/15

Left Out: -4.802 ± 0.038 χ^2/NDF : 332.3/2

Right Out: -9.913 ± 0.034 χ^2/NDF : 53863.3/18

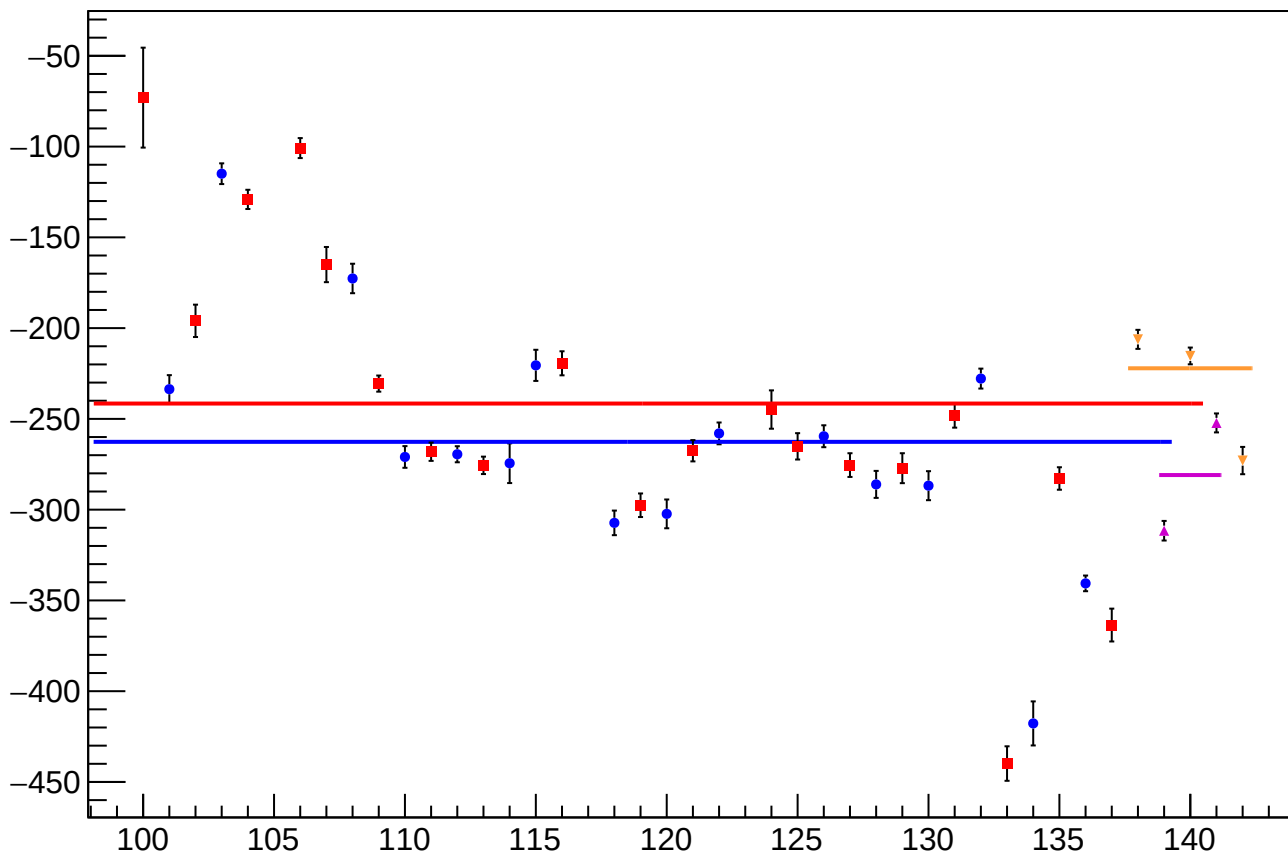
Left In: -5.622 ± 0.039 χ^2/NDF : 66.6/1

+ sign -7.326 ± 0.025 χ^2/NDF : 39337.5/18

All: -7.671 ± 0.018 χ^2/NDF : 100420.3/39

- sign -8.049 ± 0.026 χ^2/NDF : 60676.3/20

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643 ± 1.614 $\chi^2/\text{NDF}: 1454.3/15$

Left Out: -222.125 ± 3.147 $\chi^2/\text{NDF}: 57.1/2$

Right Out: -241.548 ± 1.506 $\chi^2/\text{NDF}: 2138.6/18$

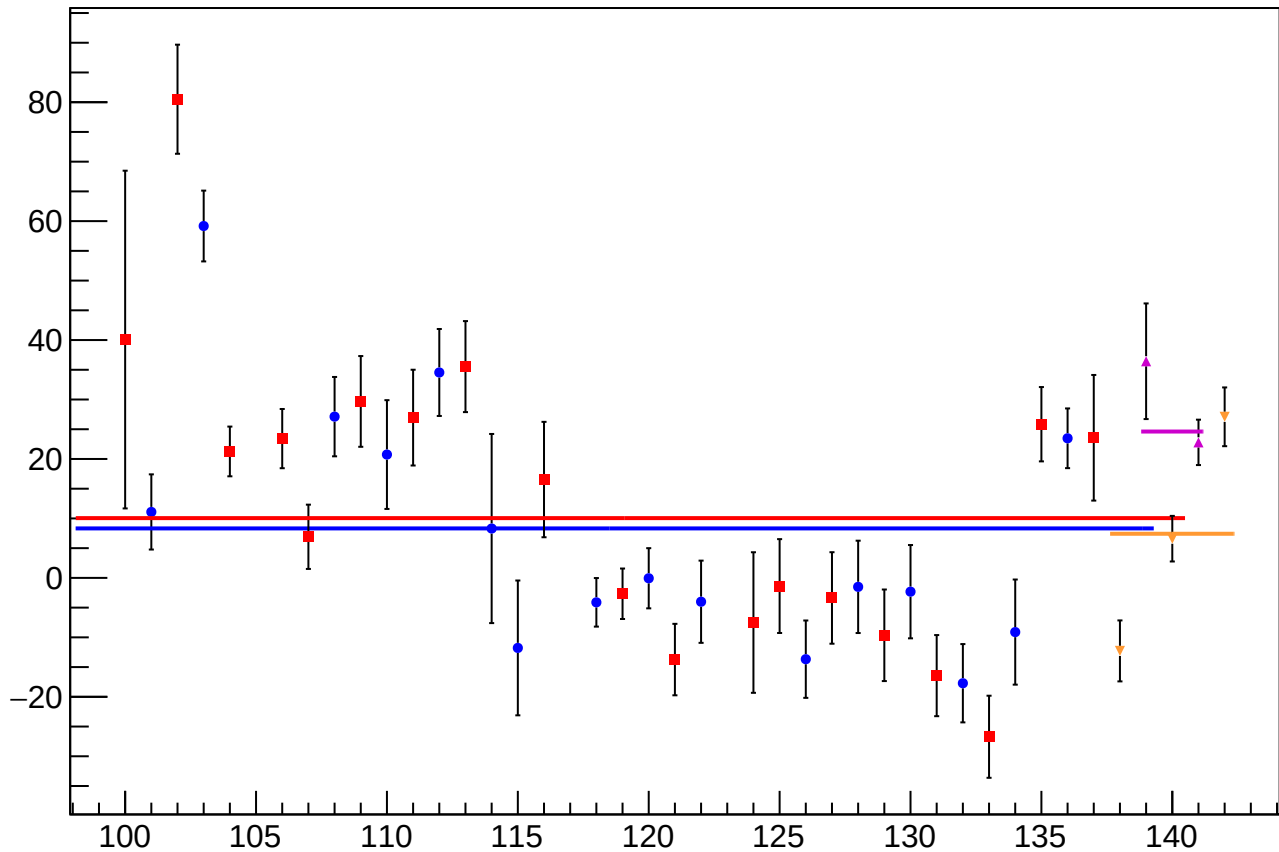
Left In: -280.934 ± 3.755 $\chi^2/\text{NDF}: 62.5/1$

+ sign -254.207 ± 1.436 $\chi^2/\text{NDF}: 1642.6/18$

All: -250.510 ± 1.002 $\chi^2/\text{NDF}: 3951.3/39$

- sign -247.006 ± 1.398 $\chi^2/\text{NDF}: 2295.8/20$

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320 $\pm$ 1.644 χ^2/NDF : 157.6/15

Left Out: 7.422 $\pm$ 2.608 χ^2/NDF : 30.7/2

Right Out: 10.052 $\pm$ 1.539 χ^2/NDF : 187.4/18

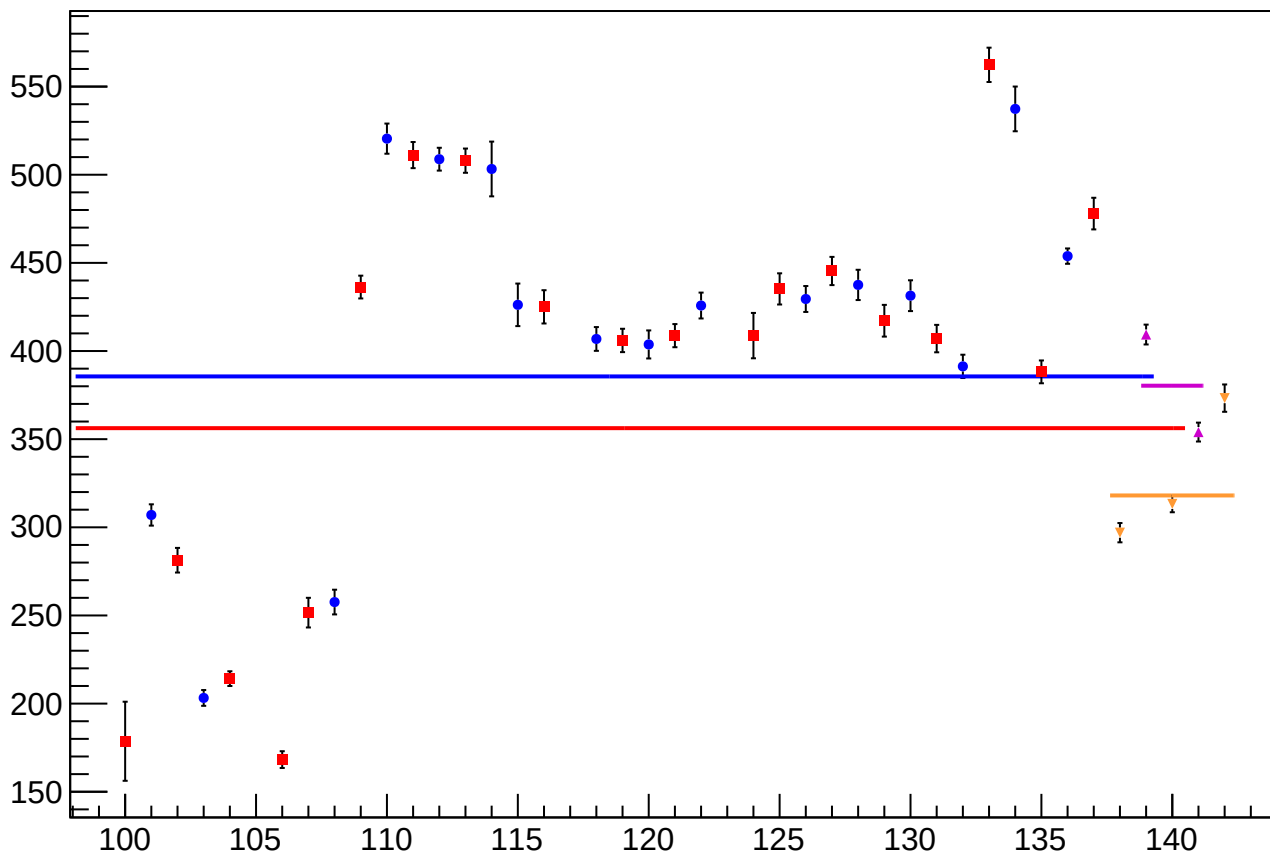
Left In: 24.614 $\pm$ 3.553 χ^2/NDF : 1.7/1

+ sign 8.065 $\pm$ 1.391 χ^2/NDF : 188.4/18

All: 10.176 $\pm$ 0.991 χ^2/NDF : 396.3/39

- sign 12.352 $\pm$ 1.412 χ^2/NDF : 203.3/20

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: 318.074 $\pm$ 3.254 χ^2/NDF : 66.6/2

Right Out: 356.245 $\pm$ 1.647 χ^2/NDF : 5270.3/18

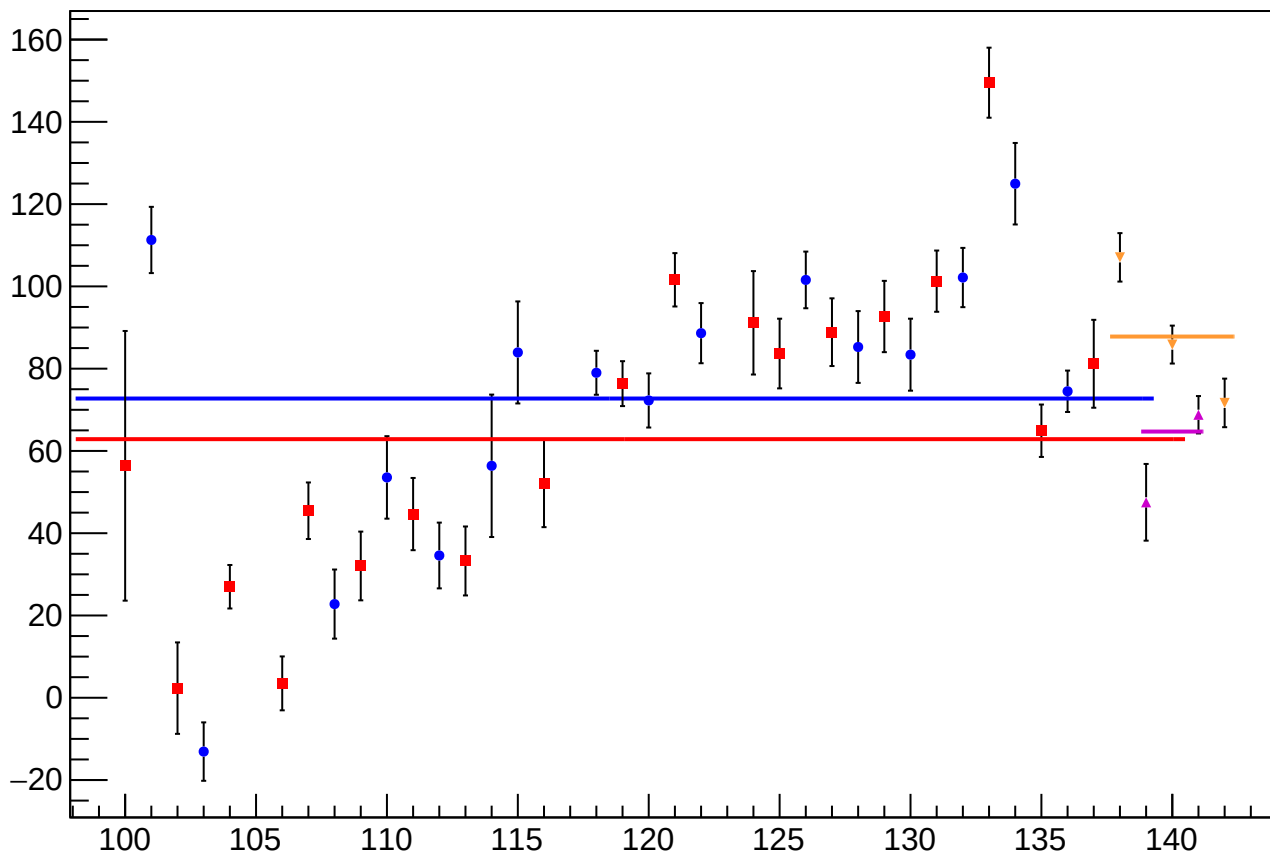
Left In: 380.327 $\pm$ 3.882 χ^2/NDF : 50.7/1

+ sign 370.549 $\pm$ 1.536 χ^2/NDF : 3774.2/18

All: 365.163 $\pm$ 1.079 χ^2/NDF : 9152.0/39

- sign 359.918 $\pm$ 1.516 χ^2/NDF : 5353.5/20

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: 87.806 $\pm$ 3.093 χ^2 /NDF:18.3/2

Right Out: 62.863 $\pm$ 1.795 χ^2 /NDF: 403.6/18

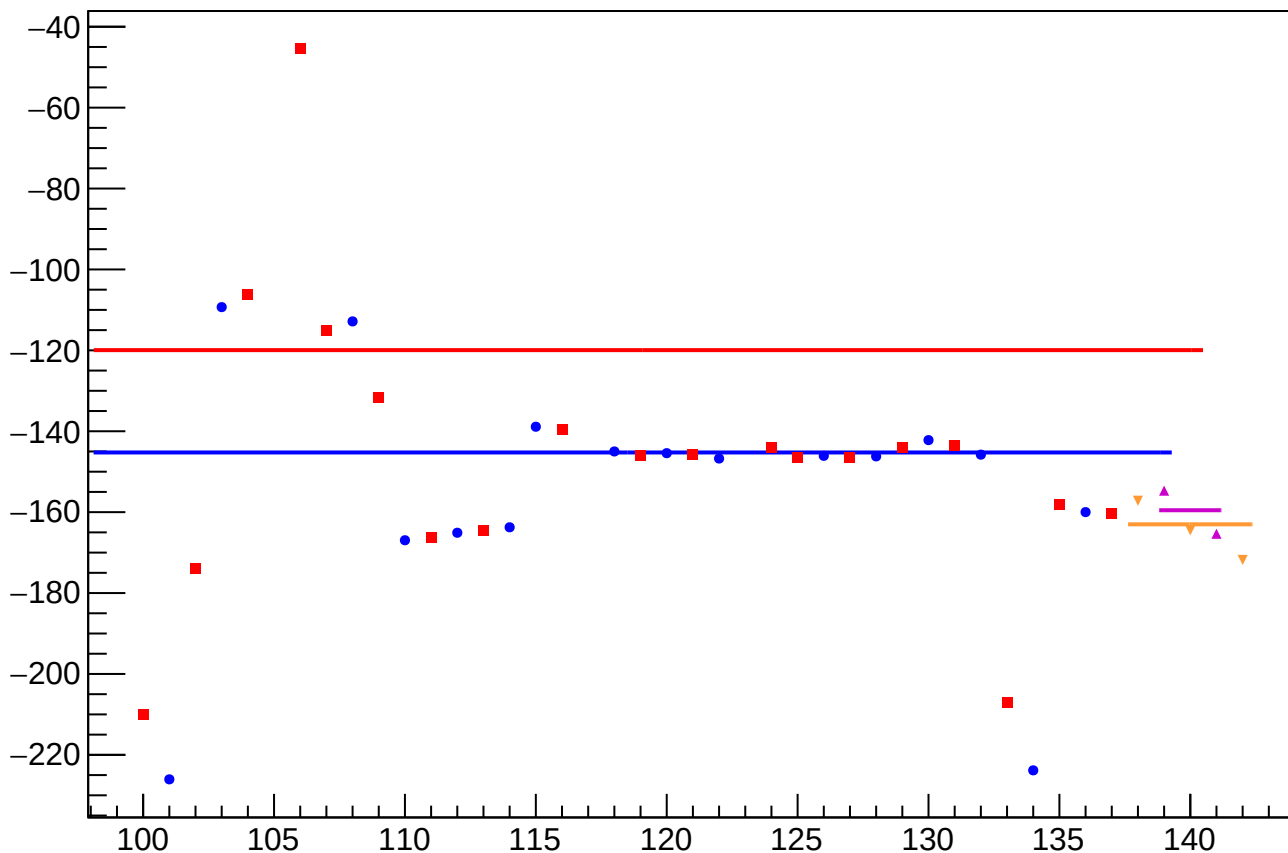
Left In: 64.712 $\pm$ 4.085 χ^2 /NDF:4.2/1

+ sign 76.858 $\pm$ 1.617 χ^2 /NDF: 339.9/18

All: 70.120 $\pm$ 1.153 χ^2 /NDF: 783.2/39

- sign 63.162 $\pm$ 1.643 χ^2 /NDF: 408.0/20

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2 /NDF: 132057.3/15

Left Out: -163.009+/-0.138 χ^2 /NDF:1513.8/2

Right Out: -119.947+/-0.089 χ^2 /NDF: 270354.1/18

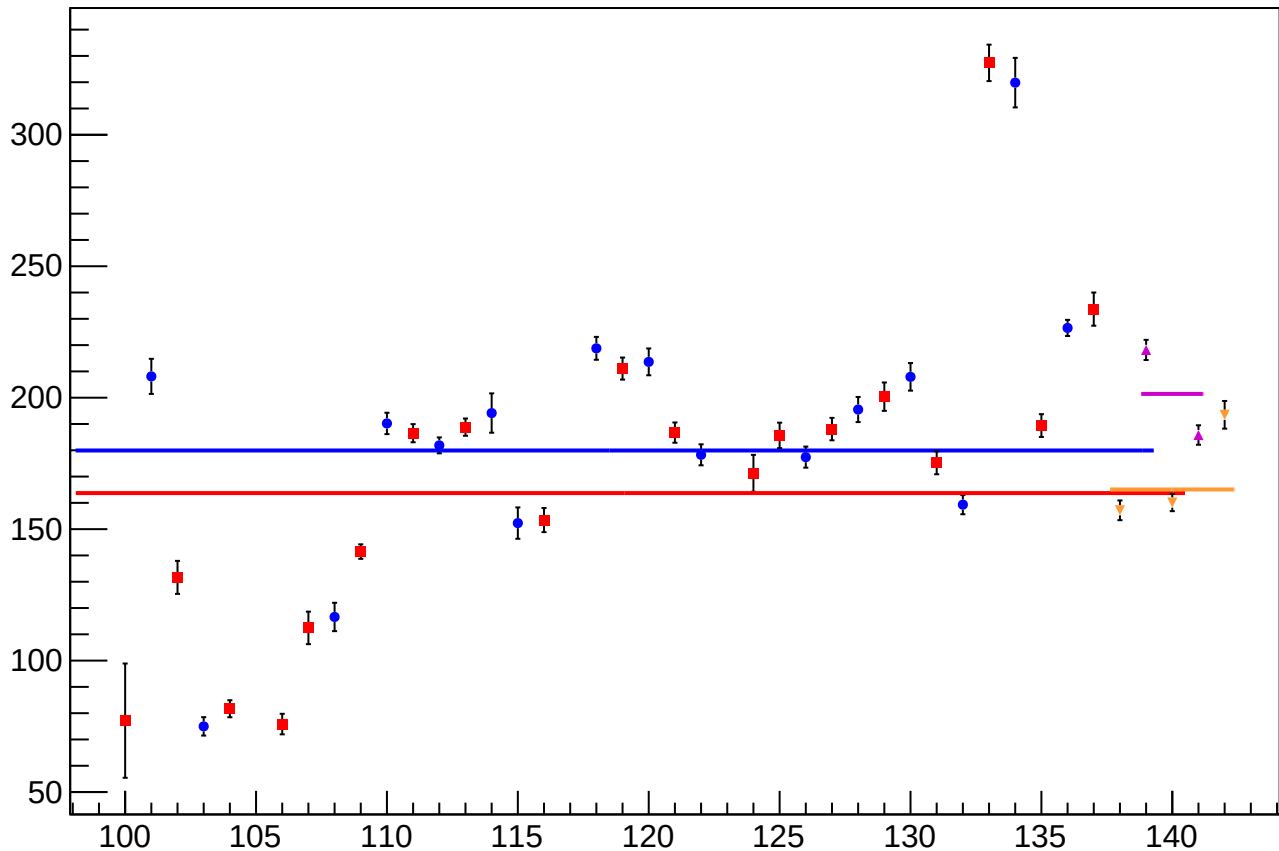
Left In: -159.528+/-0.148 χ^2 /NDF:1277.3/1

+ sign -151.246+/-0.080 χ^2 /NDF: 144591.9/18

All: -140.336+/-0.055 χ^2 /NDF: 504062.2/39

- sign -130.416+/-0.076 χ^2 /NDF: 323982.0/20

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918 $\pm$ 1.089 χ^2 /NDF: 1732.7/15

Left Out: 165.089 $\pm$ 2.234 χ^2 /NDF: 35.9/2

Right Out: 163.718 $\pm$ 1.001 χ^2 /NDF: 2416.8/18

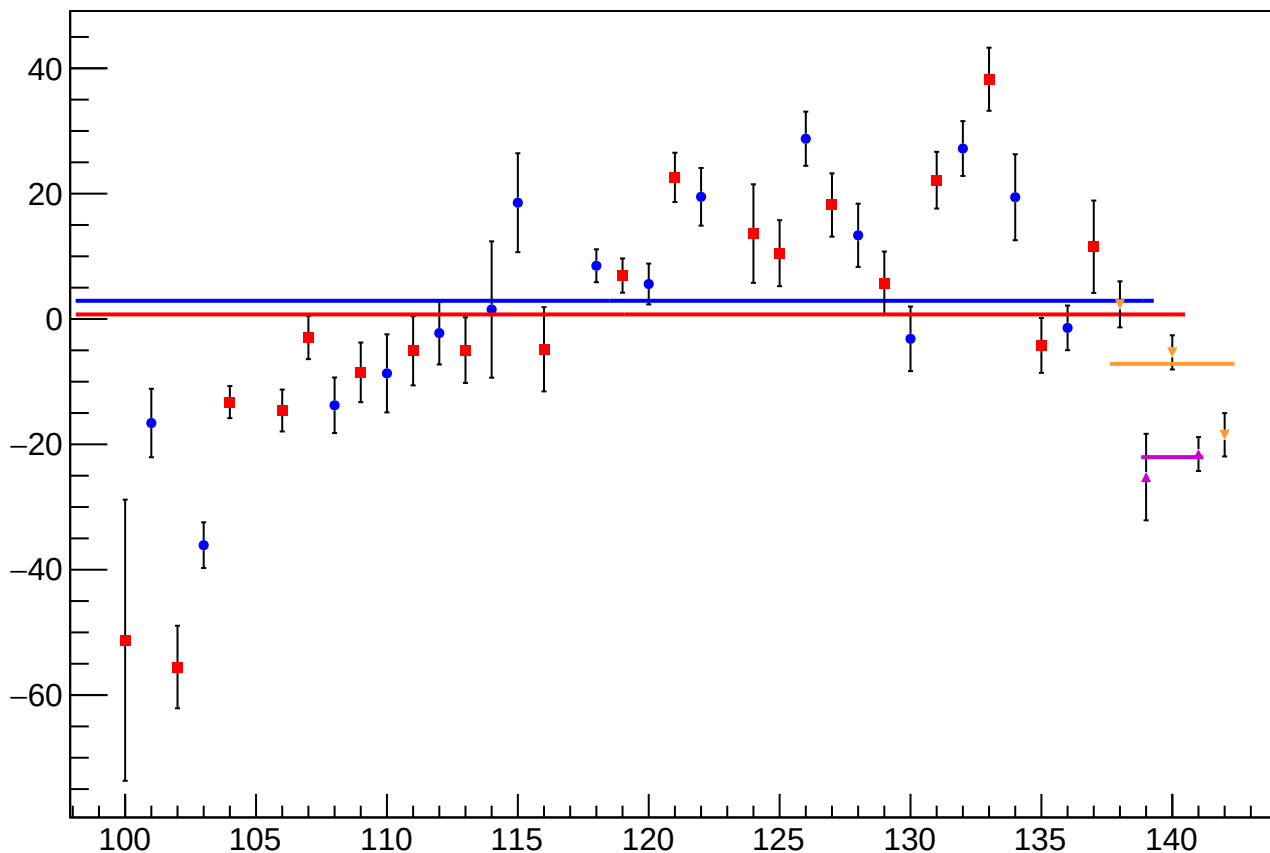
Left In: 201.443 $\pm$ 2.663 χ^2 /NDF: 36.9/1

+ sign 177.073 $\pm$ 0.979 χ^2 /NDF: 1804.2/18

All: 172.540 $\pm$ 0.677 χ^2 /NDF: 4474.9/39

- sign 168.387 $\pm$ 0.937 χ^2 /NDF: 2629.6/20

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907 ± 1.105 χ^2/NDF : 247.5/15

Left Out: -7.148 ± 1.849 χ^2/NDF : 17.9/2

Right Out: 0.729 ± 1.012 χ^2/NDF : 273.6/18

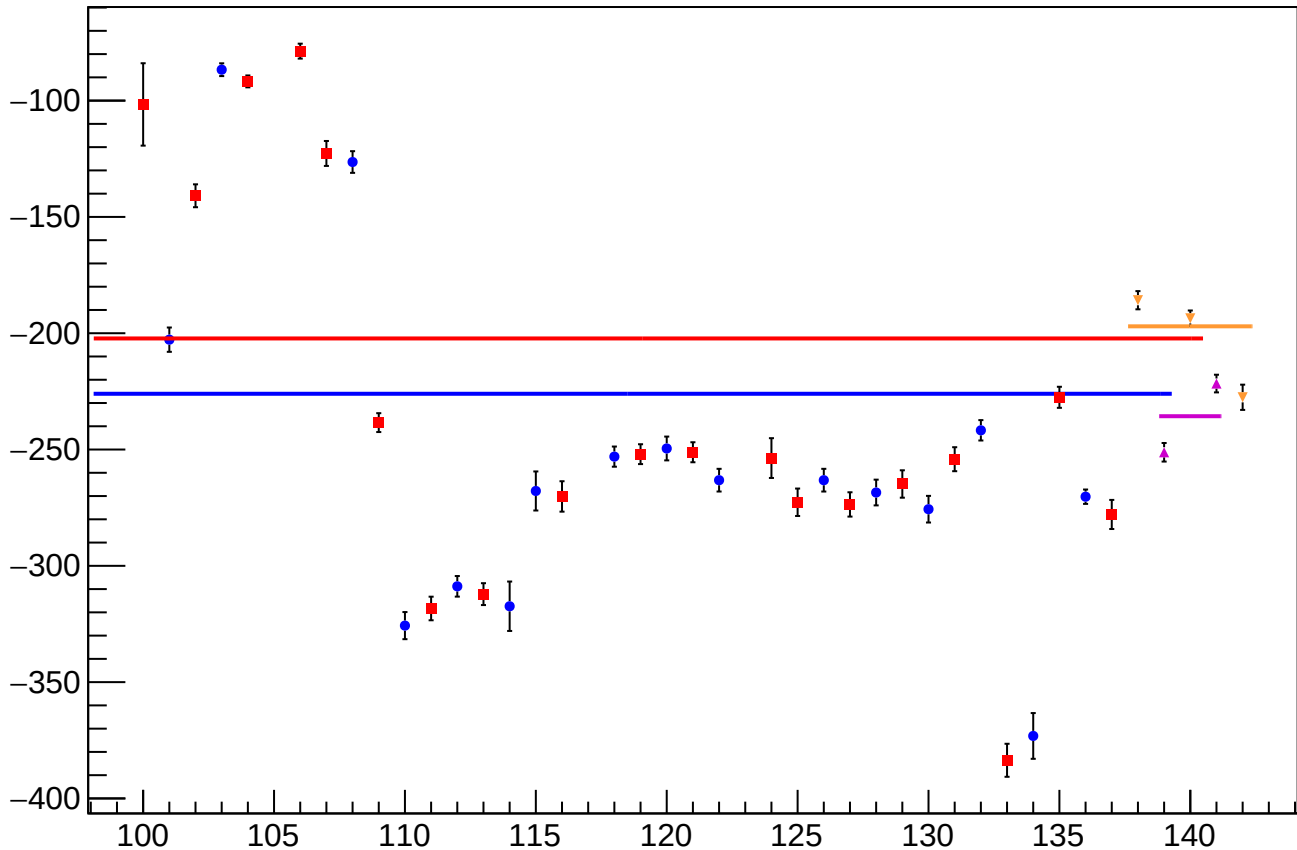
Left In: -22.036 ± 2.520 χ^2/NDF : 0.2/1

+ sign 0.261 ± 0.948 χ^2/NDF : 287.2/18

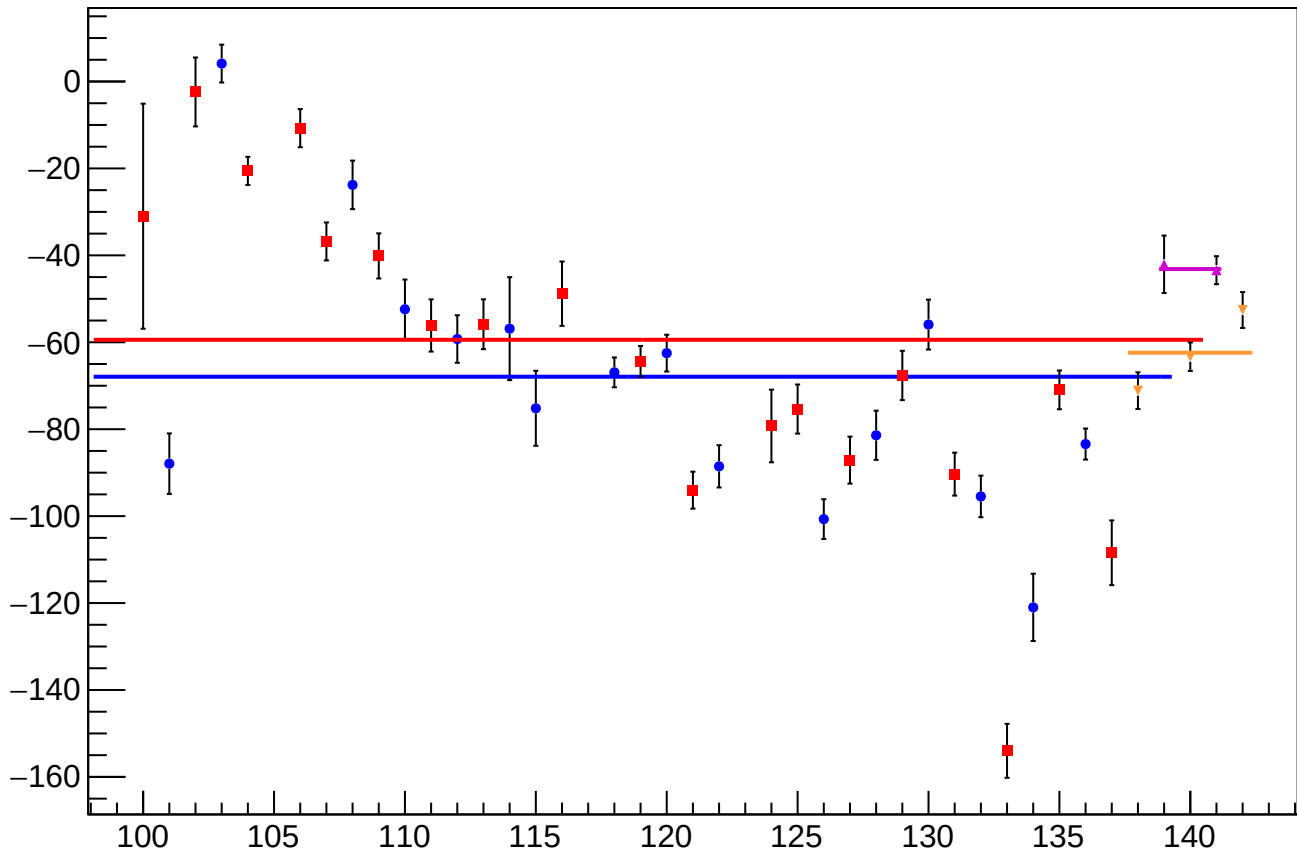
All: -1.099 ± 0.667 χ^2/NDF : 635.4/39

- sign -2.434 ± 0.939 χ^2/NDF : 344.1/20

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927 ± 1.278 χ^2/NDF : 534.0/15

Left Out: -62.398 ± 2.192 χ^2/NDF : 10.0/2

Right Out: -59.428 ± 1.184 χ^2/NDF : 794.9/18

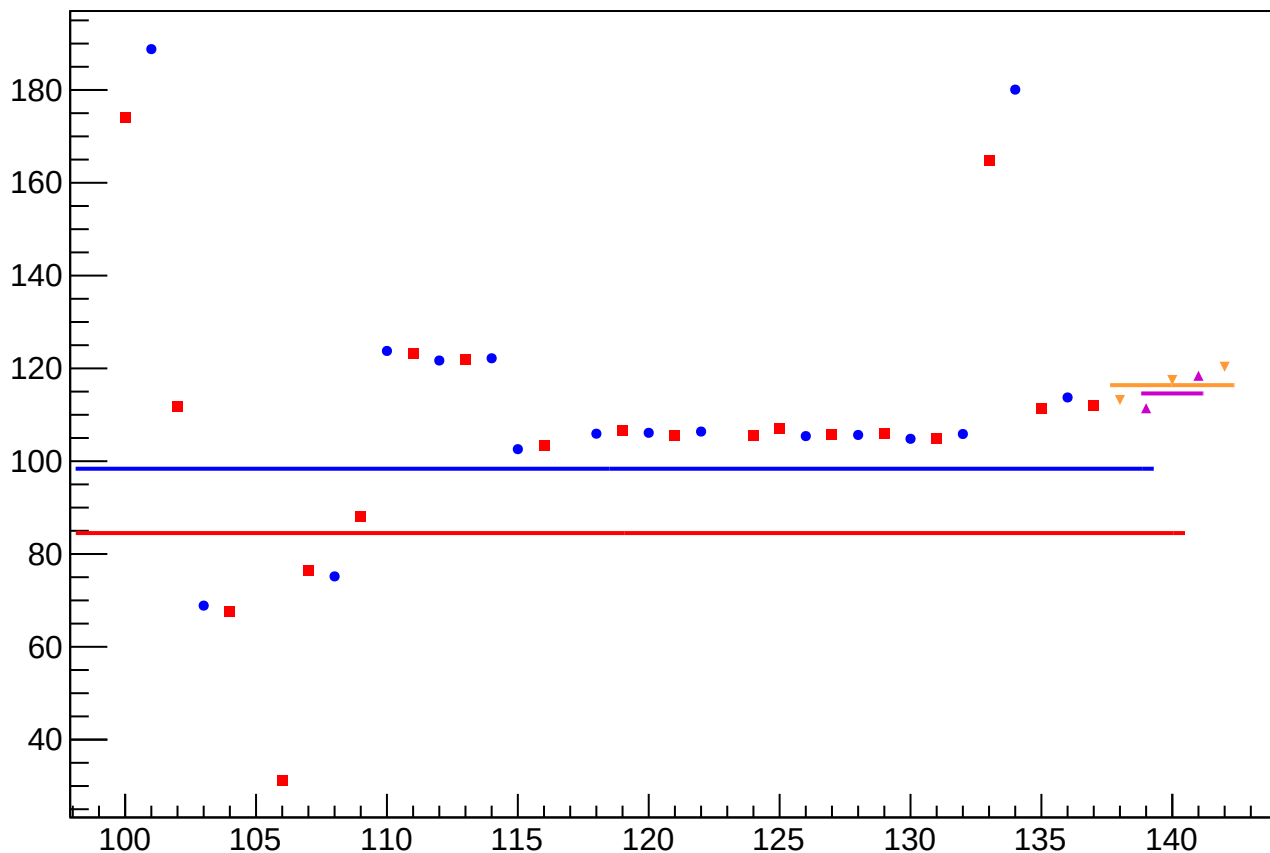
Left In: -43.157 ± 2.897 χ^2/NDF : 0.0/1

+ sign -66.524 ± 1.104 χ^2/NDF : 548.8/18

All: -61.777 ± 0.778 χ^2/NDF : 1407.4/39

- sign -57.099 ± 1.096 χ^2/NDF : 821.9/20

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF : 228419.7/15

Left Out: 116.389+/-0.098 χ^2/NDF : 783.9/2

Right Out: 84.512+/-0.061 χ^2/NDF : 268911.0/18

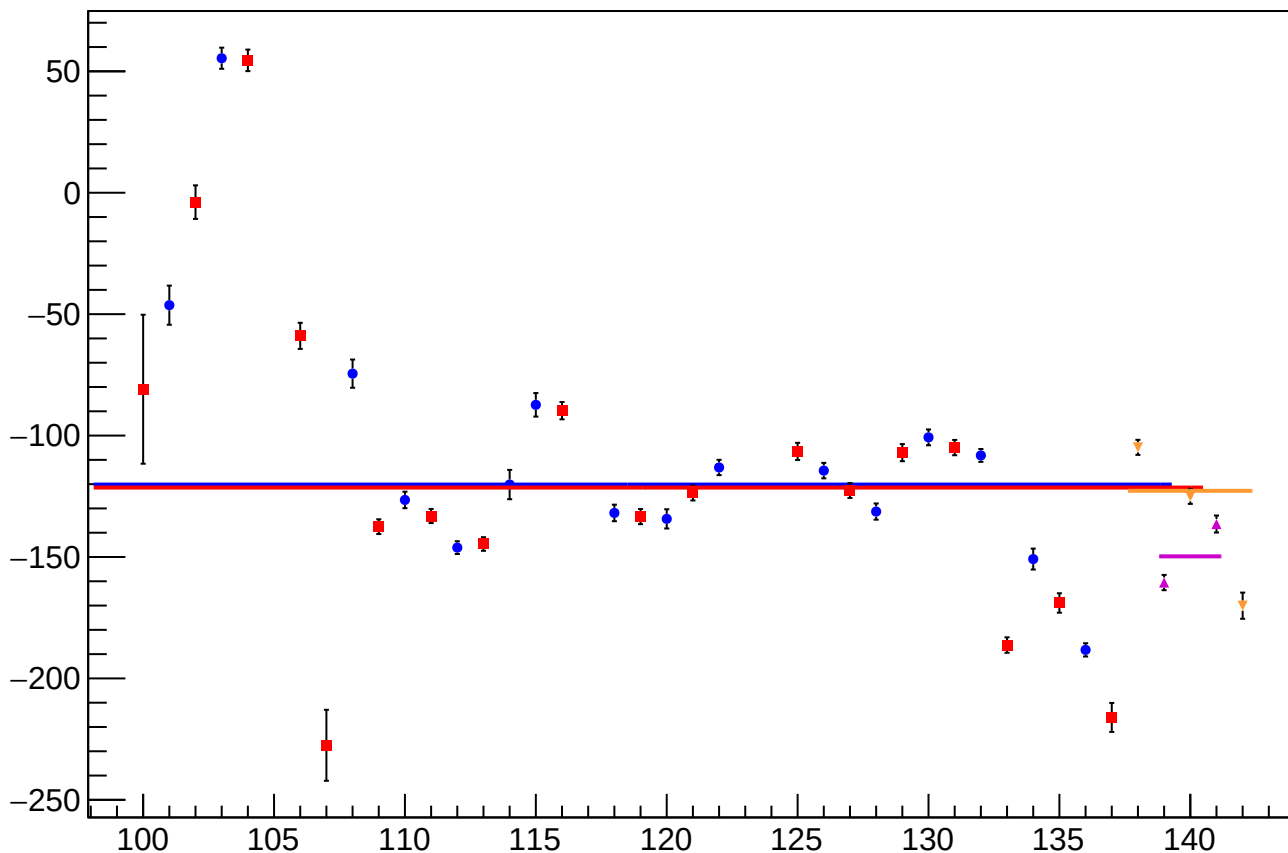
Left In: 114.601+/-0.105 χ^2/NDF : 1098.0/1

+ sign 104.025+/-0.055 χ^2/NDF : 252528.0/18

All: 97.773+/-0.038 χ^2/NDF : 608998.1/39

- sign 92.010+/-0.053 χ^2/NDF : 331380.2/20

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -120.177+/-0.891 χ^2/NDF : 2691.2/15

Left Out: -122.748+/-2.035 χ^2/NDF : 110.8/2

Right Out: -121.418+/-0.875 χ^2/NDF : 3126.3/17

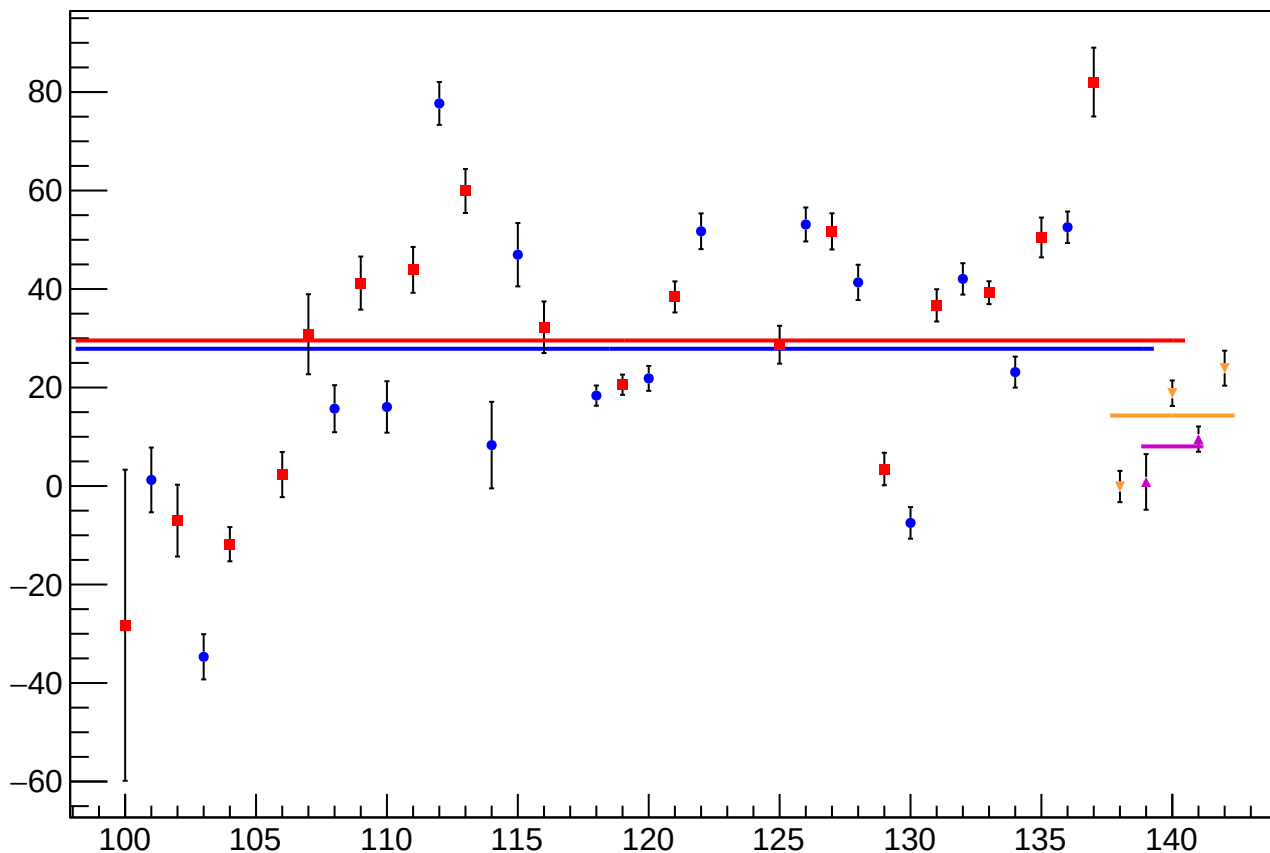
Left In: -149.738+/-2.342 χ^2/NDF : 26.2/1

+ sign -120.590+/-0.816 χ^2/NDF : 2803.3/18

All: -122.729+/-0.578 χ^2/NDF : 6098.0/38

- sign -124.890+/-0.820 χ^2/NDF : 3280.9/19

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: 14.322 ± 1.748 χ^2/NDF : 31.0/2

Right Out: 29.553 ± 0.890 χ^2/NDF : 497.5/17

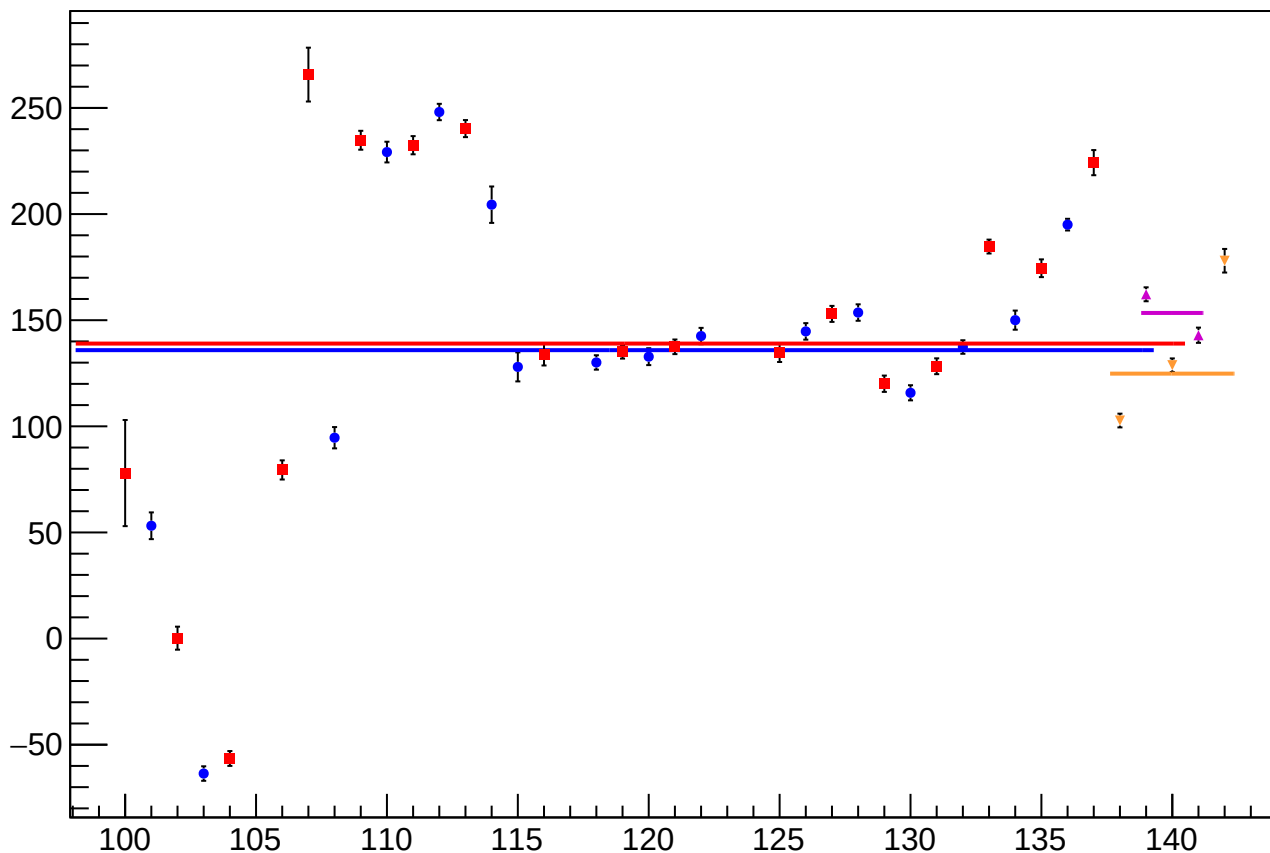
Left In: 8.044 ± 2.335 χ^2/NDF : 2.0/1

+ sign 25.091 ± 0.792 χ^2/NDF : 778.4/18

All: 25.916 ± 0.573 χ^2/NDF : 1354.3/38

- sign 26.826 ± 0.831 χ^2/NDF : 573.6/19

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: 124.824 $\pm$ 2.107 χ^2 /NDF:139.6/2

Right Out: 138.985 $\pm$ 0.998 χ^2 /NDF: 6156.4/17

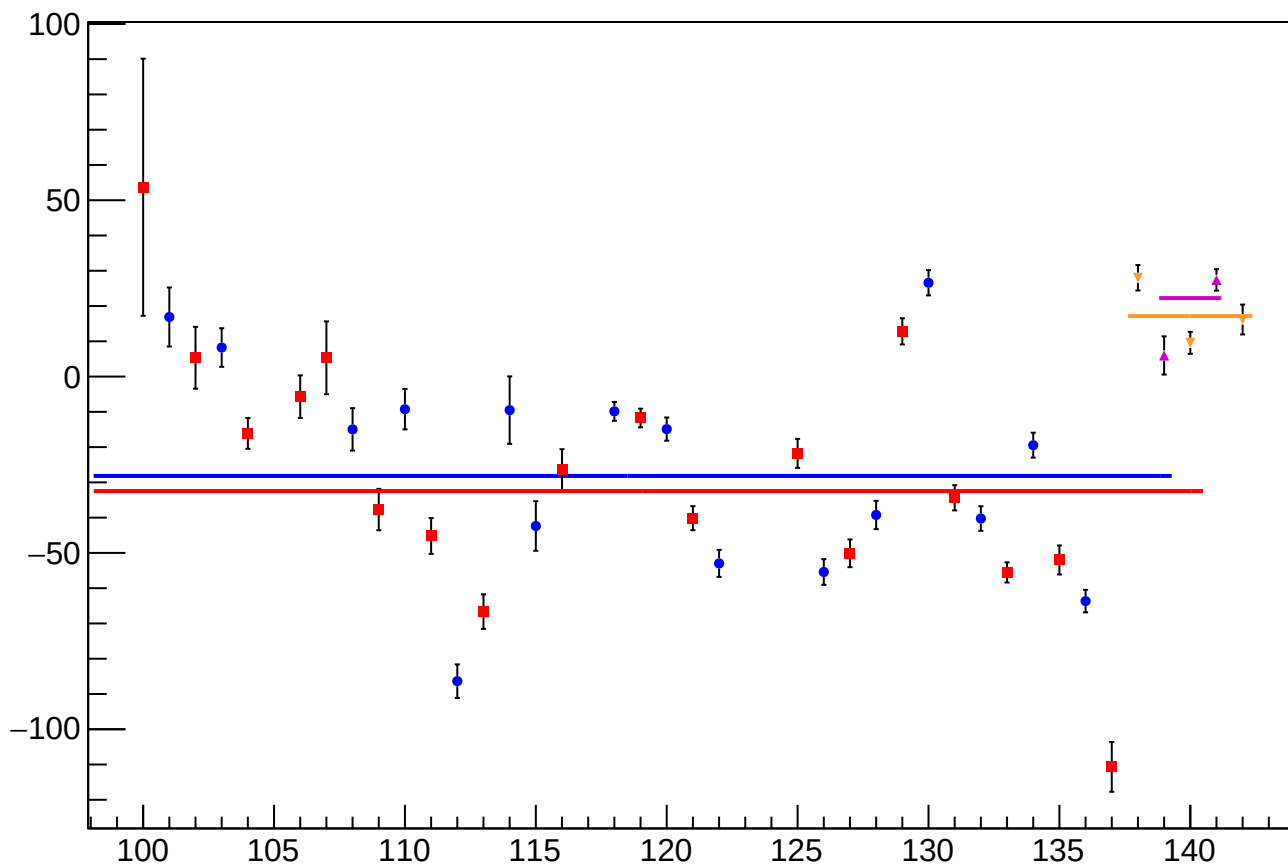
Left In: 153.415 $\pm$ 2.424 χ^2 /NDF:15.7/1

+ sign 133.854 $\pm$ 0.902 χ^2 /NDF: 5625.7/18

All: 137.383 $\pm$ 0.645 χ^2 /NDF: 11859.5/38

- sign 141.077 $\pm$ 0.923 χ^2 /NDF: 6202.4/19

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: 17.155 ± 2.058 χ^2/NDF : 15.1/2

Right Out: -32.459 ± 1.027 χ^2/NDF : 580.8/17

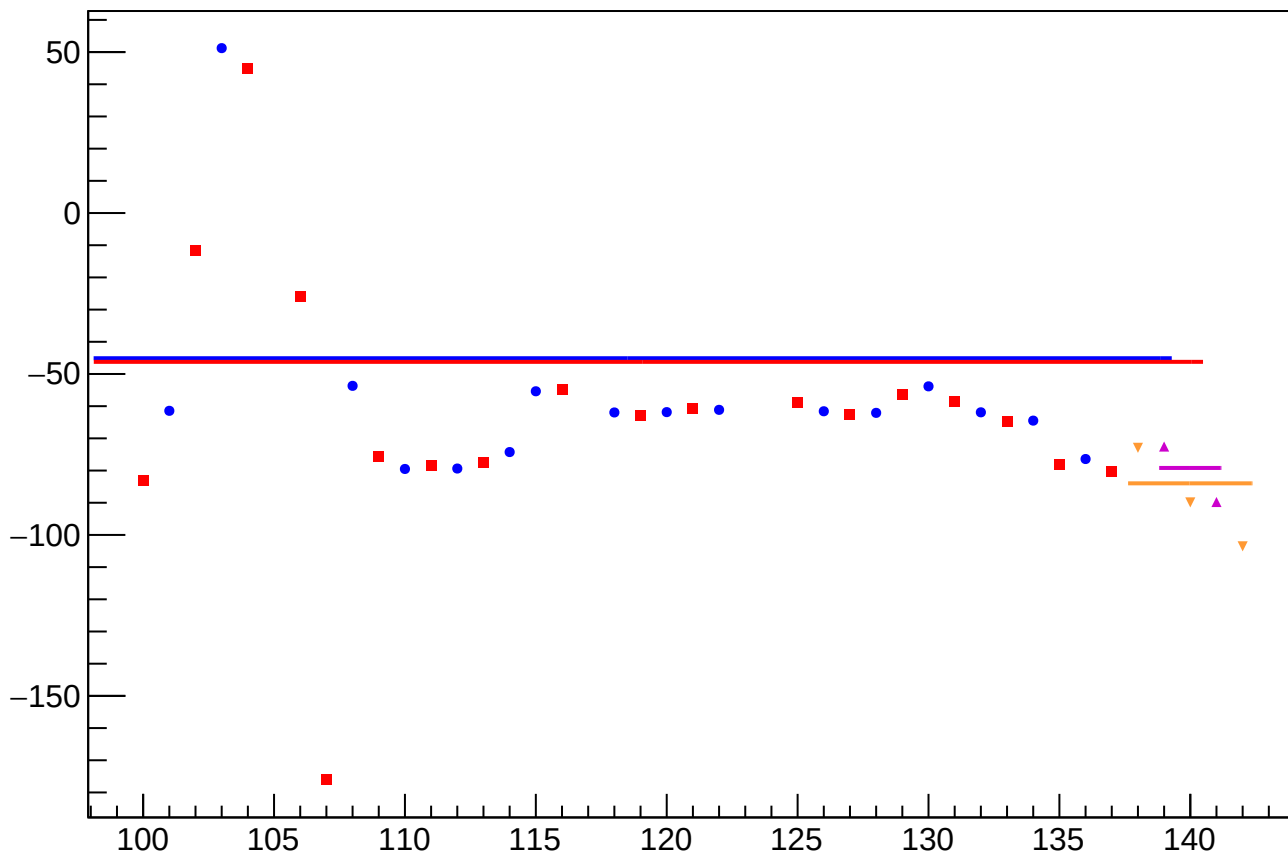
Left In: 22.251 ± 2.655 χ^2/NDF : 11.9/1

+ sign -19.203 ± 0.915 χ^2/NDF : 1195.5/18

All: -22.130 ± 0.662 χ^2/NDF : 2178.9/38

- sign -25.336 ± 0.958 χ^2/NDF : 962.0/19

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -45.106±/0.060 χ^2/NDF : 575184.2/15

Left Out: -83.973±/0.088 χ^2/NDF :16485.4/2

Right Out: -46.229±/0.063 χ^2/NDF : 493616.3/17

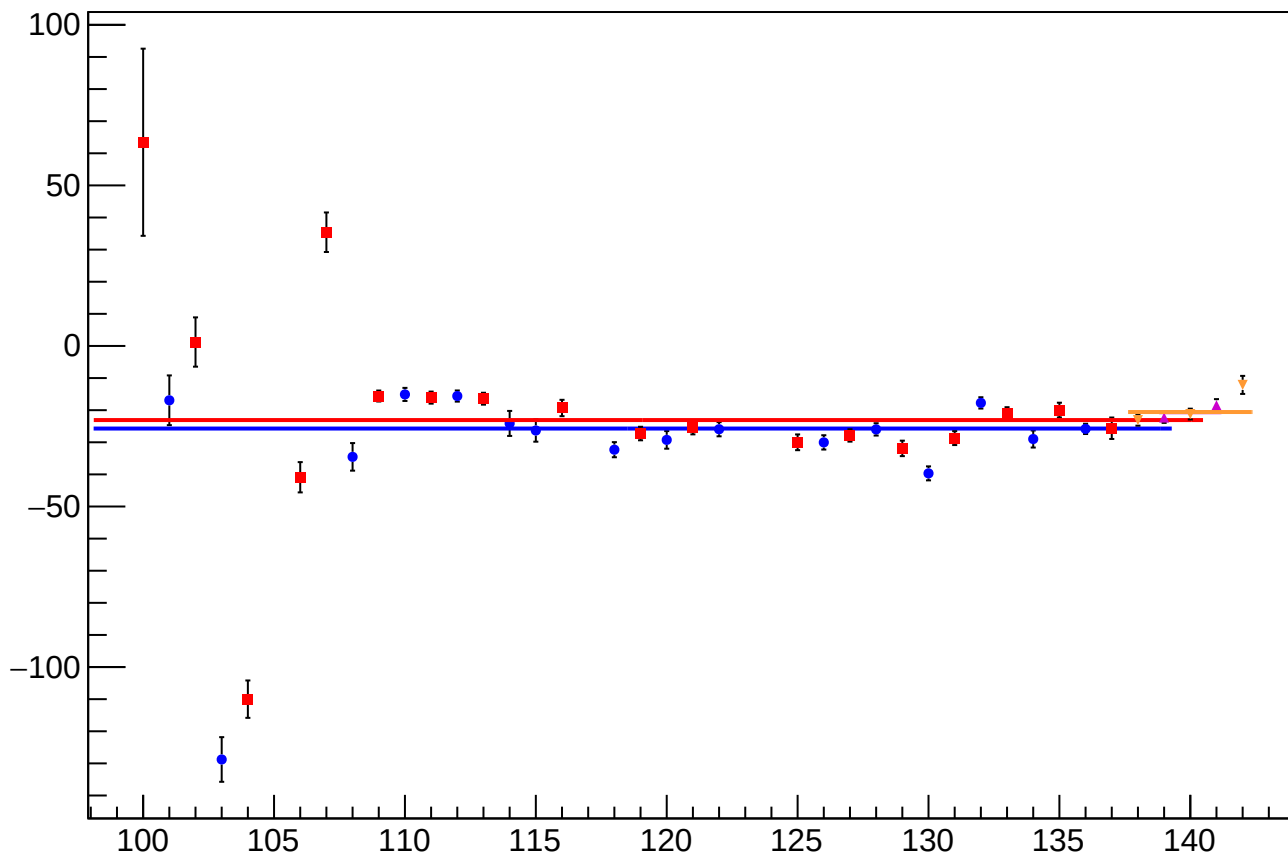
Left In: -79.190±/0.091 χ^2/NDF :8432.8/1

+ sign -57.466±/0.050 χ^2/NDF : 724515.5/18

All: -57.126±/0.036 χ^2/NDF : 1315272.0/38

- sign -56.759±/0.052 χ^2/NDF : 590659.3/19

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: -20.575 ± 1.108 χ^2/NDF : 11.3/2

Right Out: -23.079 ± 0.582 χ^2/NDF : 437.1/17

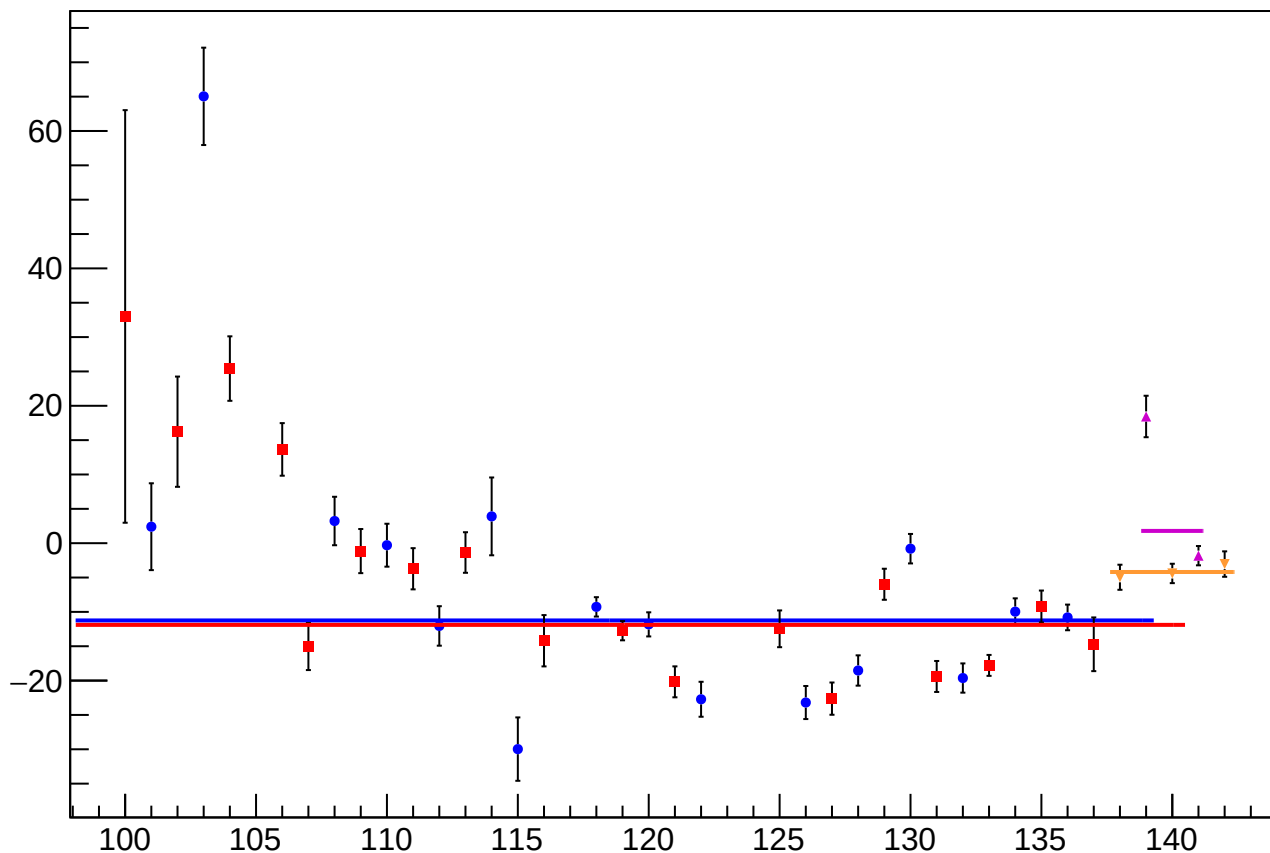
Left In: -20.631 ± 1.257 χ^2/NDF : 2.3/1

+ sign -24.584 ± 0.521 χ^2/NDF : 391.1/18

All: -23.629 ± 0.371 χ^2/NDF : 840.4/38

- sign -22.647 ± 0.528 χ^2/NDF : 442.5/19

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: -4.193 ± 0.956 χ^2/NDF : 0.6/2

Right Out: -11.890 ± 0.607 χ^2/NDF : 224.5/17

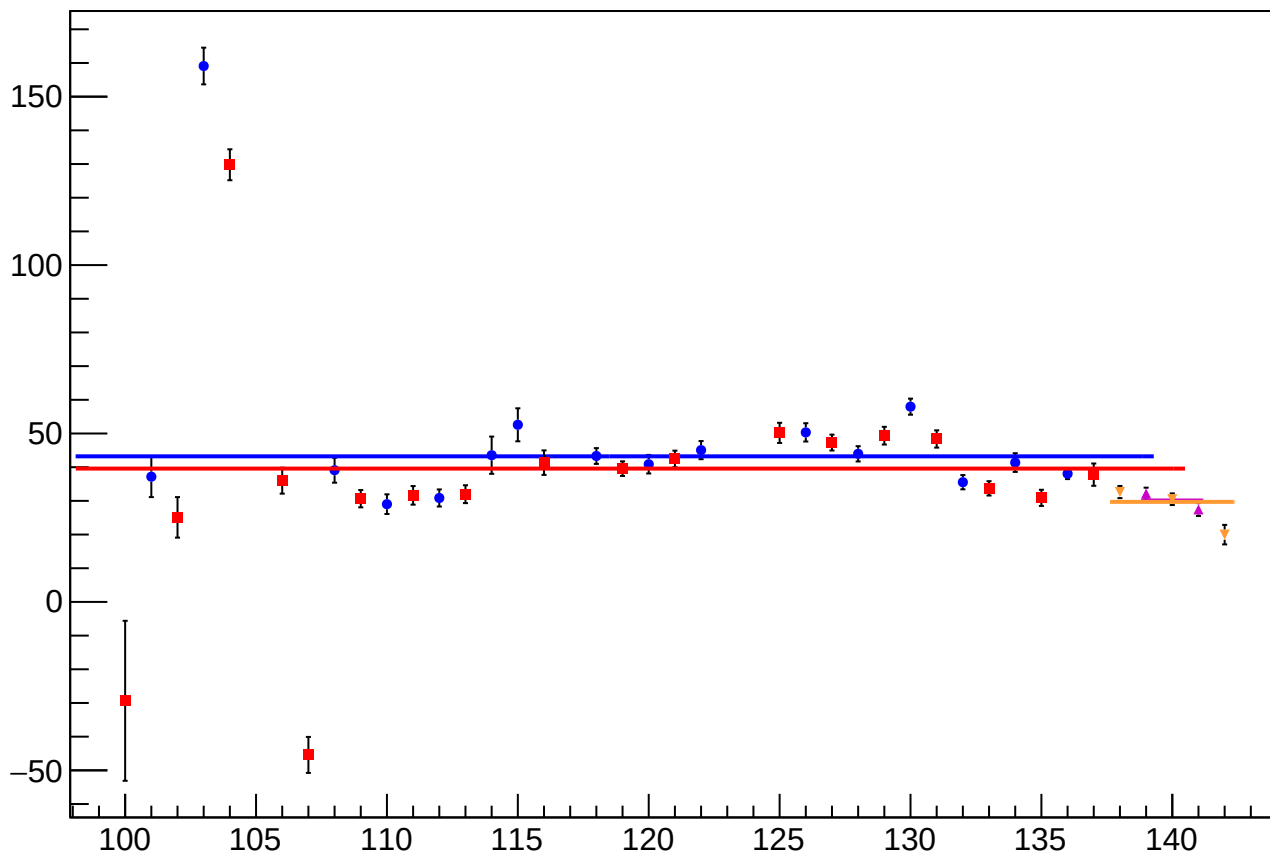
Left In: 1.787 ± 1.273 χ^2/NDF : 37.0/1

+ sign -9.252 ± 0.508 χ^2/NDF : 310.7/18

All: -9.300 ± 0.373 χ^2/NDF : 666.3/38

- sign -9.357 ± 0.548 χ^2/NDF : 355.5/19

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 43.222 ± 0.678 χ^2/NDF : 576.0/15

Left Out: 29.700 ± 1.147 χ^2/NDF : 14.1/2

Right Out: 39.587 ± 0.685 χ^2/NDF : 754.0/17

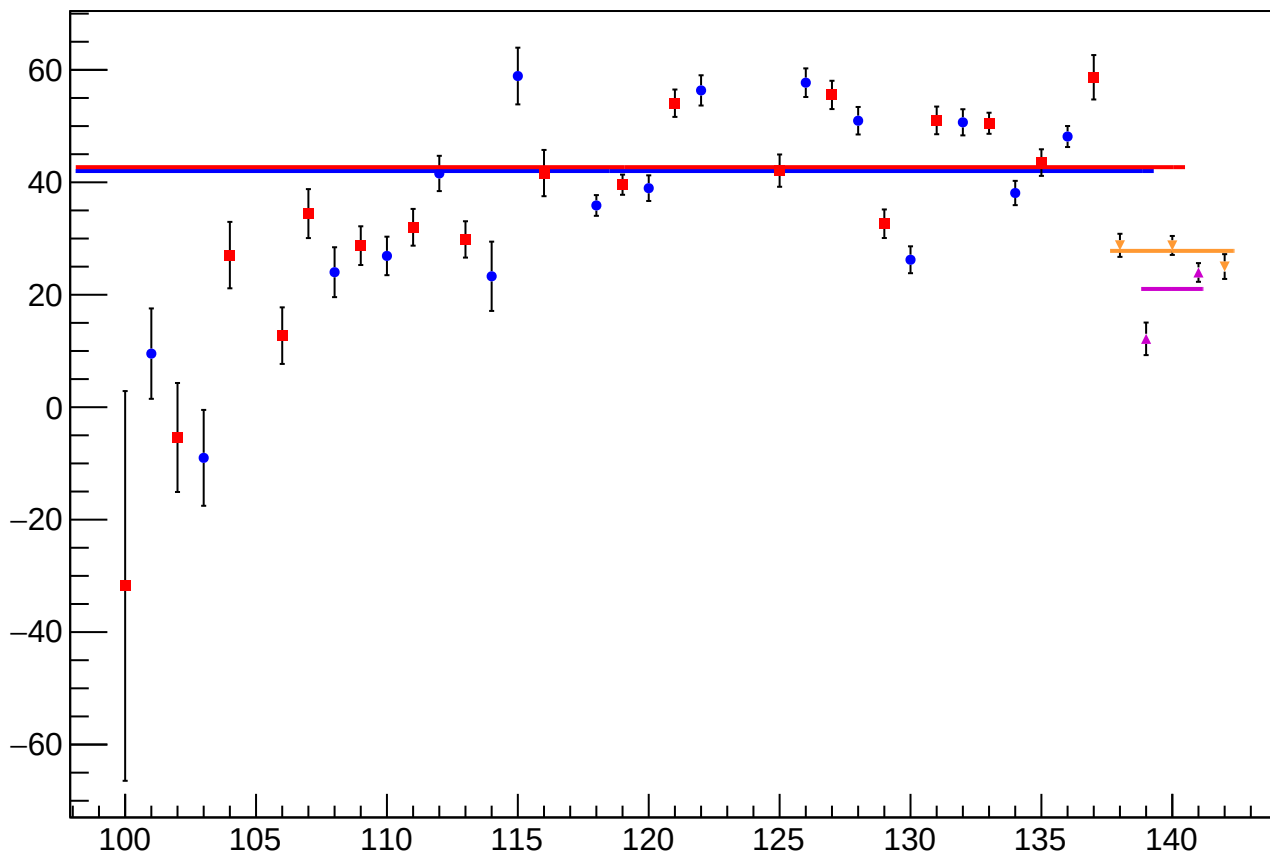
Left In: 30.107 ± 1.301 χ^2/NDF : 3.2/1

+ sign 39.721 ± 0.584 χ^2/NDF : 693.0/18

All: 38.666 ± 0.420 χ^2/NDF : 1498.6/38

- sign 37.530 ± 0.606 χ^2/NDF : 798.8/19

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 42.006+/-0.684 χ^2/NDF : 272.7/15

Left Out: 27.806+/-1.122 χ^2/NDF : 2.2/2

Right Out: 42.696+/-0.695 χ^2/NDF : 230.3/17

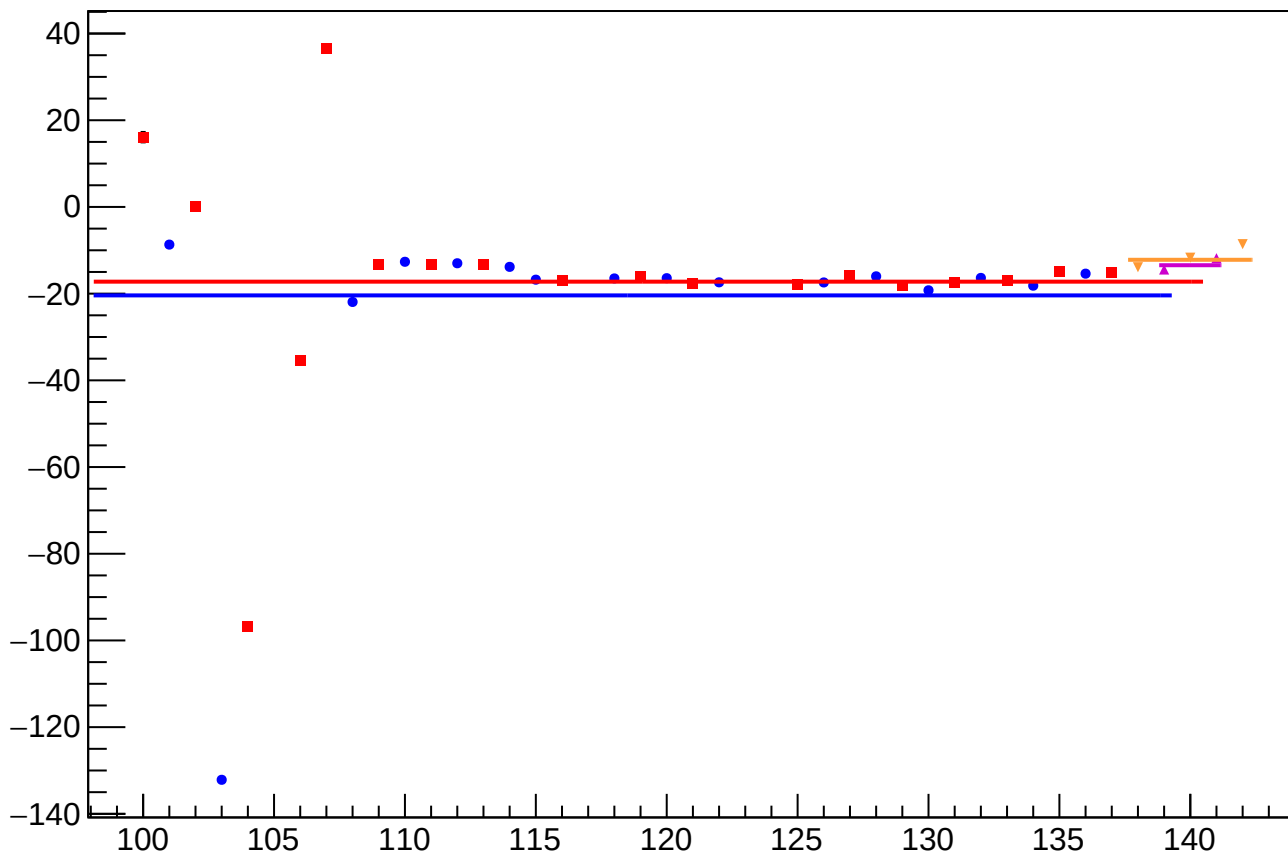
Left In: 21.034+/-1.443 χ^2/NDF : 12.5/1

+ sign 38.160+/-0.584 χ^2/NDF : 391.7/18

All: 38.373+/-0.427 χ^2/NDF : 817.8/38

- sign 38.618+/-0.626 χ^2/NDF : 425.8/19

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: -20.405 ± 0.042 $\chi^2/\text{NDF}: 245611.9/15$

Left Out: -12.192 ± 0.048 $\chi^2/\text{NDF}: 1554.2/2$

Right Out: -17.236 ± 0.044 $\chi^2/\text{NDF}: 204657.3/17$

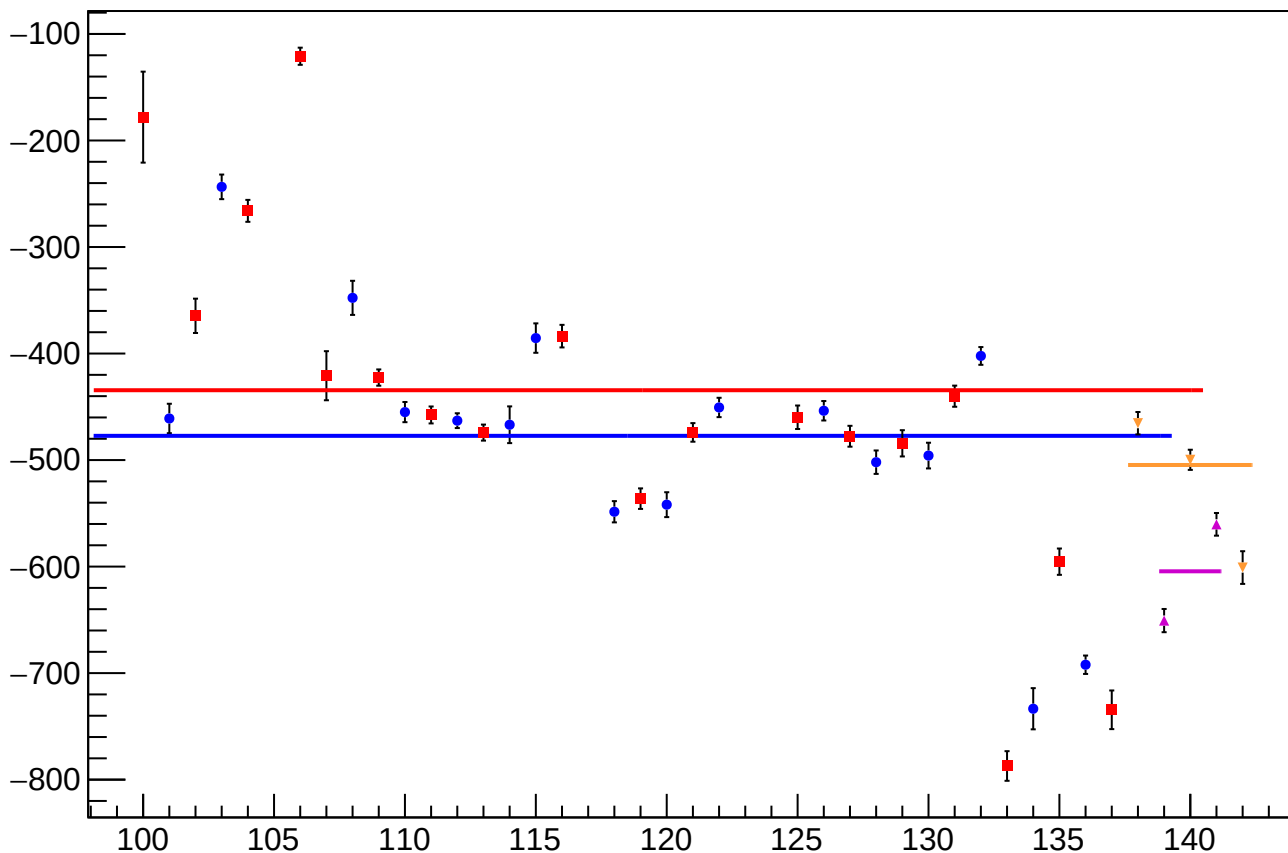
Left In: -13.444 ± 0.049 $\chi^2/\text{NDF}: 669.6/1$

+ sign -16.824 ± 0.031 $\chi^2/\text{NDF}: 263911.2/18$

All: -16.209 ± 0.023 $\chi^2/\text{NDF}: 473339.7/38$

- sign -15.542 ± 0.033 $\chi^2/\text{NDF}: 208632.2/19$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255+/-2.633 χ^2/NDF : 1510.8/15

Left Out: -504.621+/-6.393 χ^2/NDF : 53.5/2

Right Out: -434.437+/-2.464 χ^2/NDF : 3161.9/17

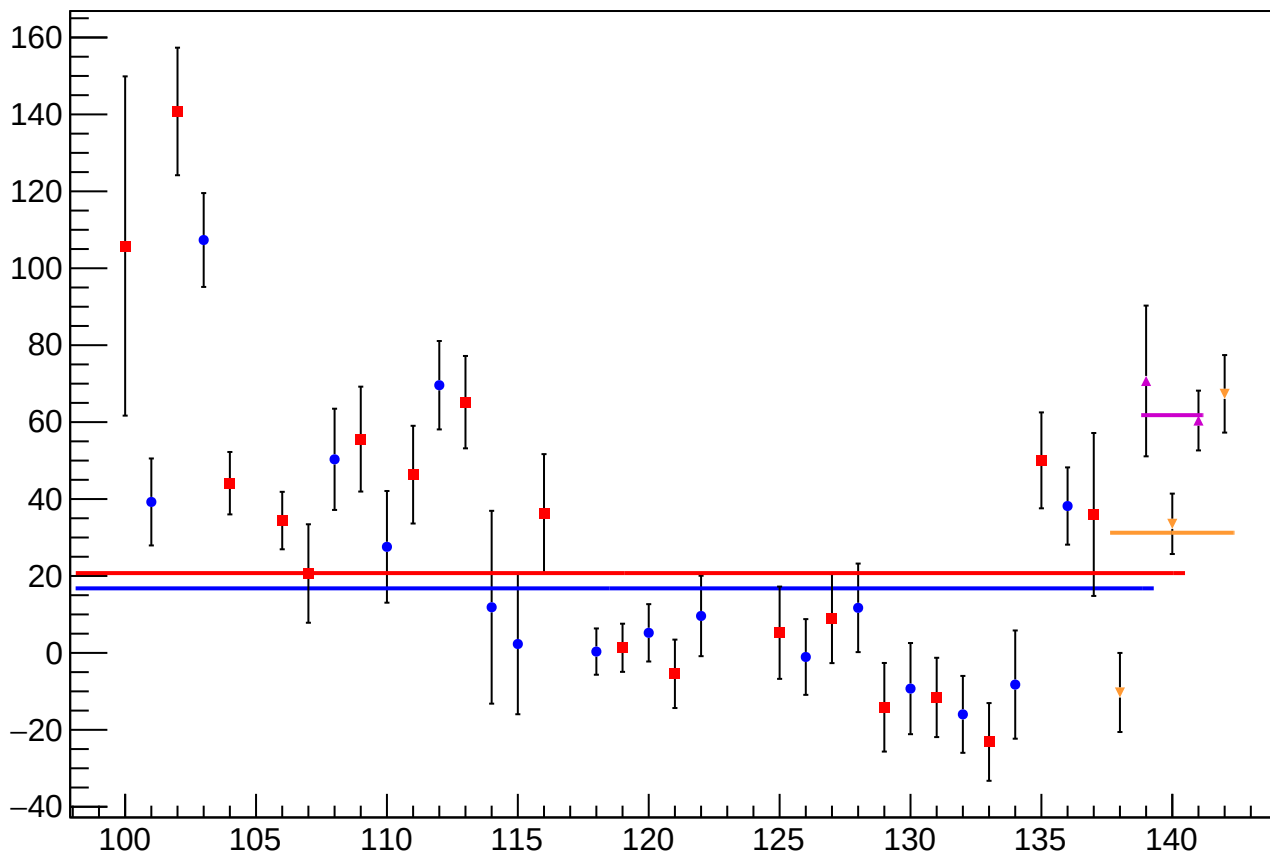
Left In: -604.428+/-7.616 χ^2/NDF : 35.2/1

+ sign -481.224+/-2.435 χ^2/NDF : 1580.0/18

All: -465.304+/-1.689 χ^2/NDF : 5310.5/38

- sign -450.544+/-2.344 χ^2/NDF : 3648.1/19

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: 31.241 $\pm$ 5.305 χ^2 /NDF: 29.2/2

Right Out: 20.749 $\pm$ 2.548 χ^2 /NDF: 157.9/17

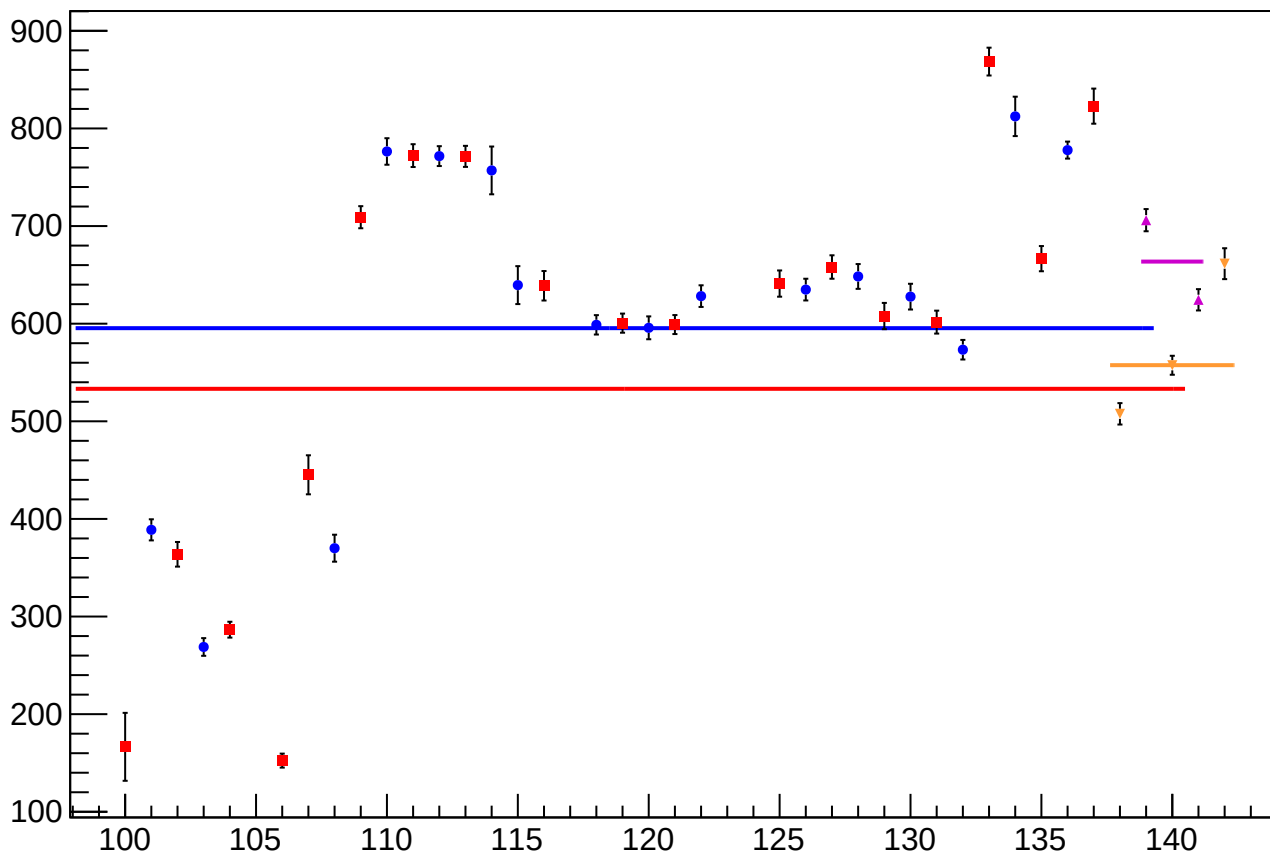
Left In: 61.811 $\pm$ 7.225 χ^2 /NDF: 0.2/1

+ sign 19.675 $\pm$ 2.374 χ^2 /NDF: 160.2/18

All: 22.449 $\pm$ 1.689 χ^2 /NDF: 349.8/38

- sign 25.292 $\pm$ 2.403 χ^2 /NDF: 186.9/19

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406 $\pm$ 2.930 χ^2 /NDF: 3059.7/15

Left Out: 557.511 $\pm$ 6.611 χ^2 /NDF:63.8/2

Right Out: 533.283 $\pm$ 2.746 χ^2 /NDF: 6502.9/17

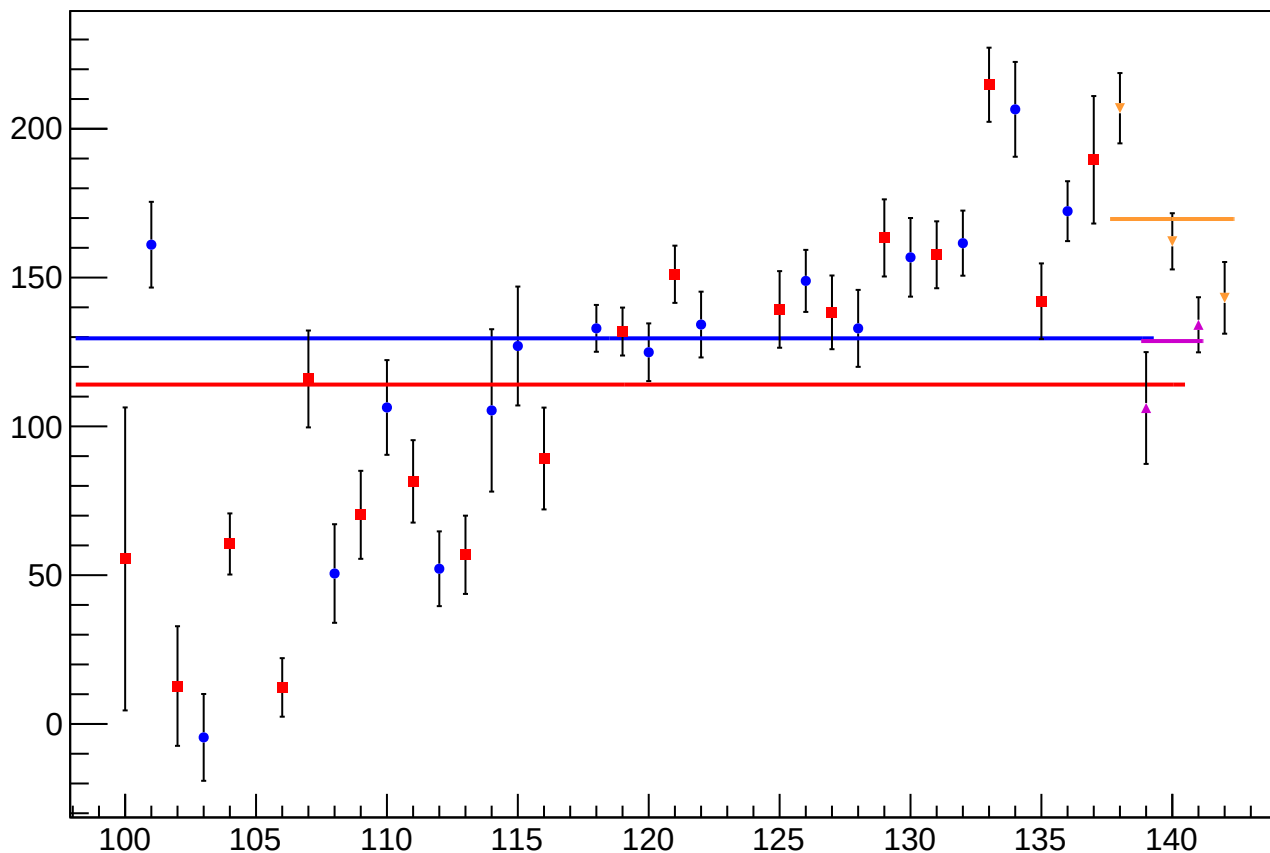
Left In: 663.610 $\pm$ 7.874 χ^2 /NDF:26.8/1

+ sign 589.186 $\pm$ 2.678 χ^2 /NDF: 3151.0/18

All: 567.623 $\pm$ 1.863 χ^2 /NDF: 10050.5/38

- sign 547.416 $\pm$ 2.593 χ^2 /NDF: 6773.9/19

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 129.586 $\pm$ 3.081 χ^2 /NDF: 211.2/15

Left Out: 169.682 $\pm$ 6.290 χ^2 /NDF:15.4/2

Right Out: 114.048 $\pm$ 2.976 χ^2 /NDF: 335.9/17

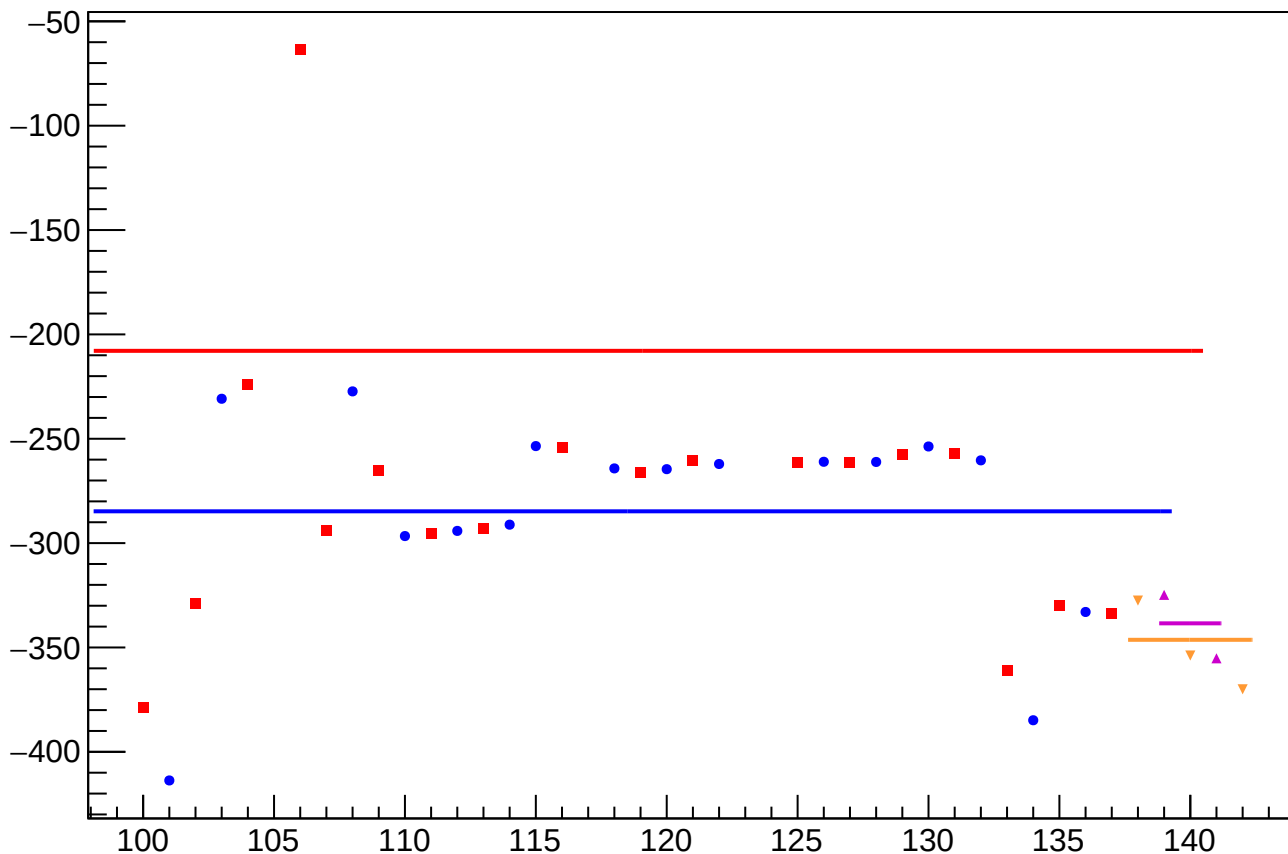
Left In: 128.671 $\pm$ 8.303 χ^2 /NDF:1.8/1

+ sign 137.343 $\pm$ 2.767 χ^2 /NDF: 259.4/18

All: 126.663 $\pm$ 1.969 χ^2 /NDF: 630.0/38

- sign 115.713 $\pm$ 2.802 χ^2 /NDF: 340.5/19

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -284.765 ± 0.178 $\chi^2/\text{NDF}: 104370.4/15$

Left Out: -346.328 ± 0.280 $\chi^2/\text{NDF}: 3440.2/2$

Right Out: -207.875 ± 0.149 $\chi^2/\text{NDF}: 536707.7/17$

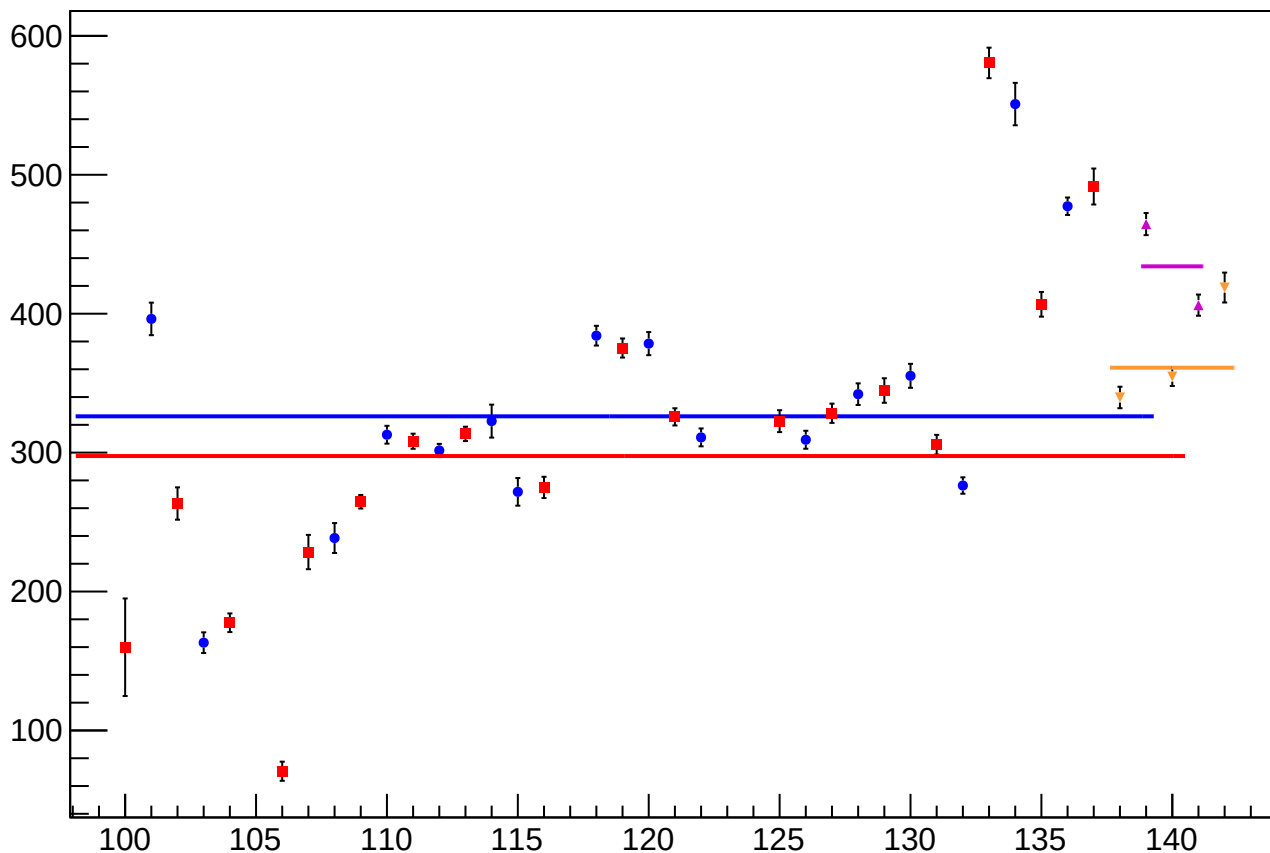
Left In: -338.437 ± 0.301 $\chi^2/\text{NDF}: 2531.5/1$

+ sign -302.457 ± 0.150 $\chi^2/\text{NDF}: 142360.3/18$

All: -264.027 ± 0.100 $\chi^2/\text{NDF}: 950977.9/38$

- sign -233.595 ± 0.133 $\chi^2/\text{NDF}: 690818.8/19$

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: 361.133 $\pm$ 4.602 χ^2 /NDF:37.3/2

Right Out: 297.538 $\pm$ 1.735 χ^2 /NDF: 2775.4/17

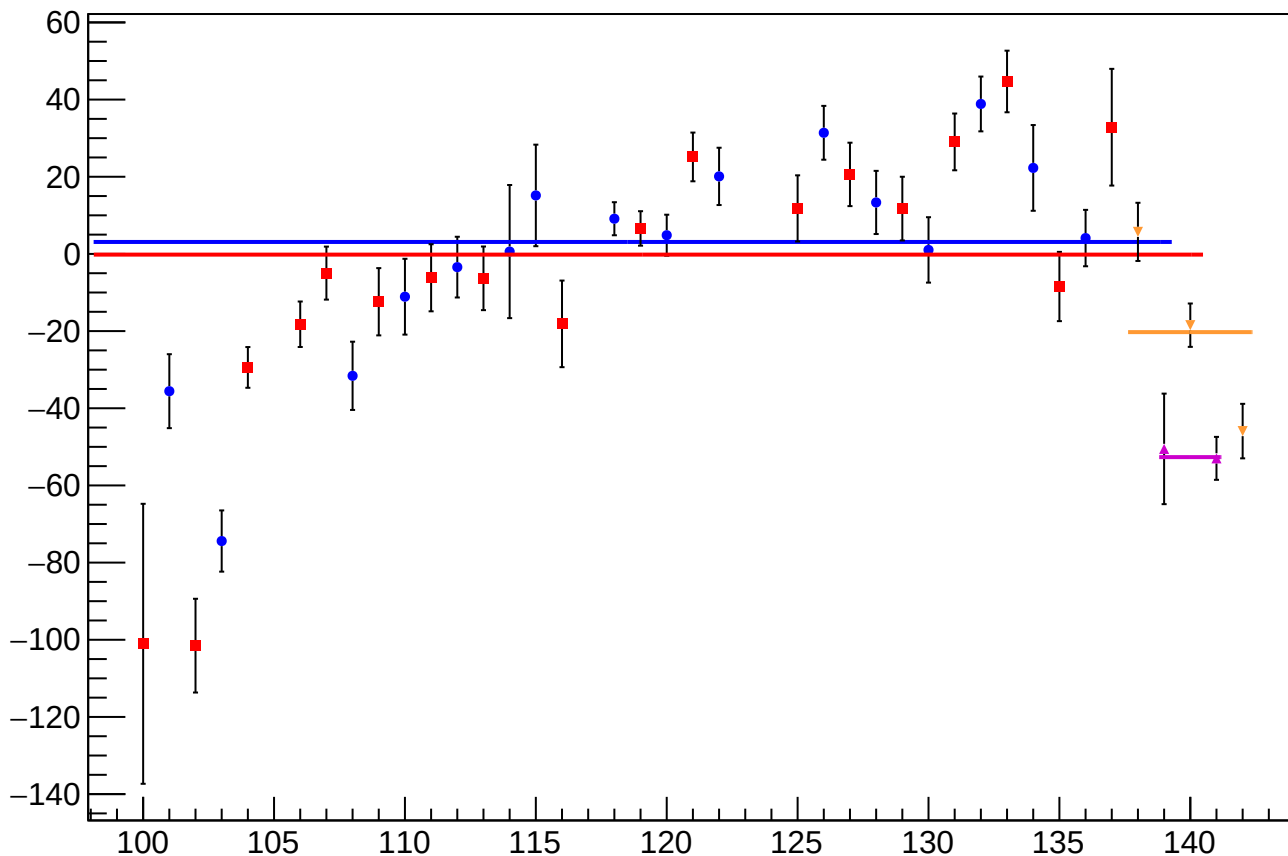
Left In: 434.089 $\pm$ 5.504 χ^2 /NDF:28.1/1

+ sign 331.034 $\pm$ 1.722 χ^2 /NDF: 1730.0/18

All: 320.033 $\pm$ 1.193 χ^2 /NDF: 5172.0/38

- sign 309.877 $\pm$ 1.654 χ^2 /NDF: 3363.5/19

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: -20.266 ± 3.799 χ^2/NDF : 25.2/2

Right Out: -0.180 ± 1.791 χ^2/NDF : 205.2/17

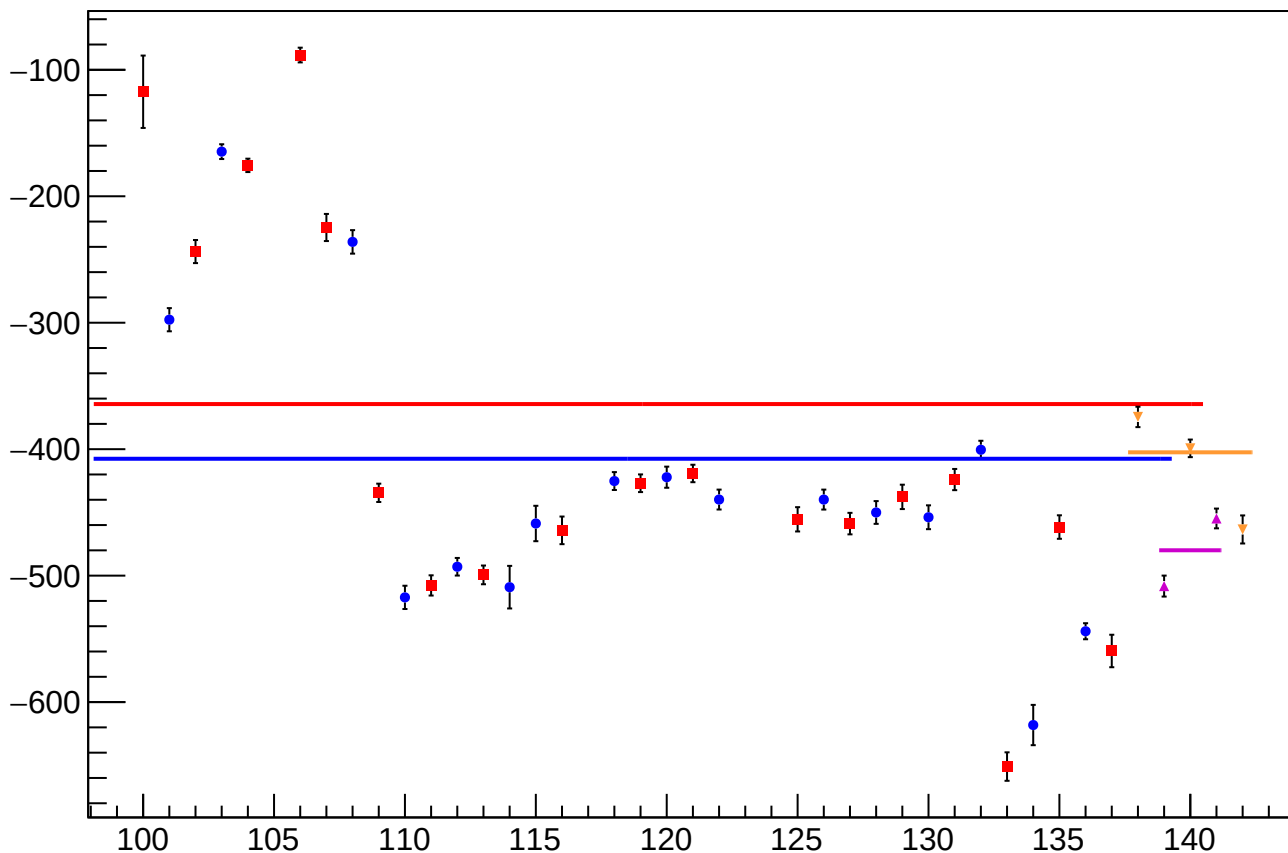
Left In: -52.661 ± 5.188 χ^2/NDF : 0.0/1

+ sign -1.544 ± 1.694 χ^2/NDF : 240.0/18

All: -3.657 ± 1.197 χ^2/NDF : 539.8/38

- sign -5.769 ± 1.693 χ^2/NDF : 296.7/19

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -407.575+/-2.074 χ^2/NDF : 3280.5/15

Left Out: -402.481+/-4.758 χ^2/NDF : 42.5/2

Right Out: -364.323+/-1.942 χ^2/NDF : 6220.4/17

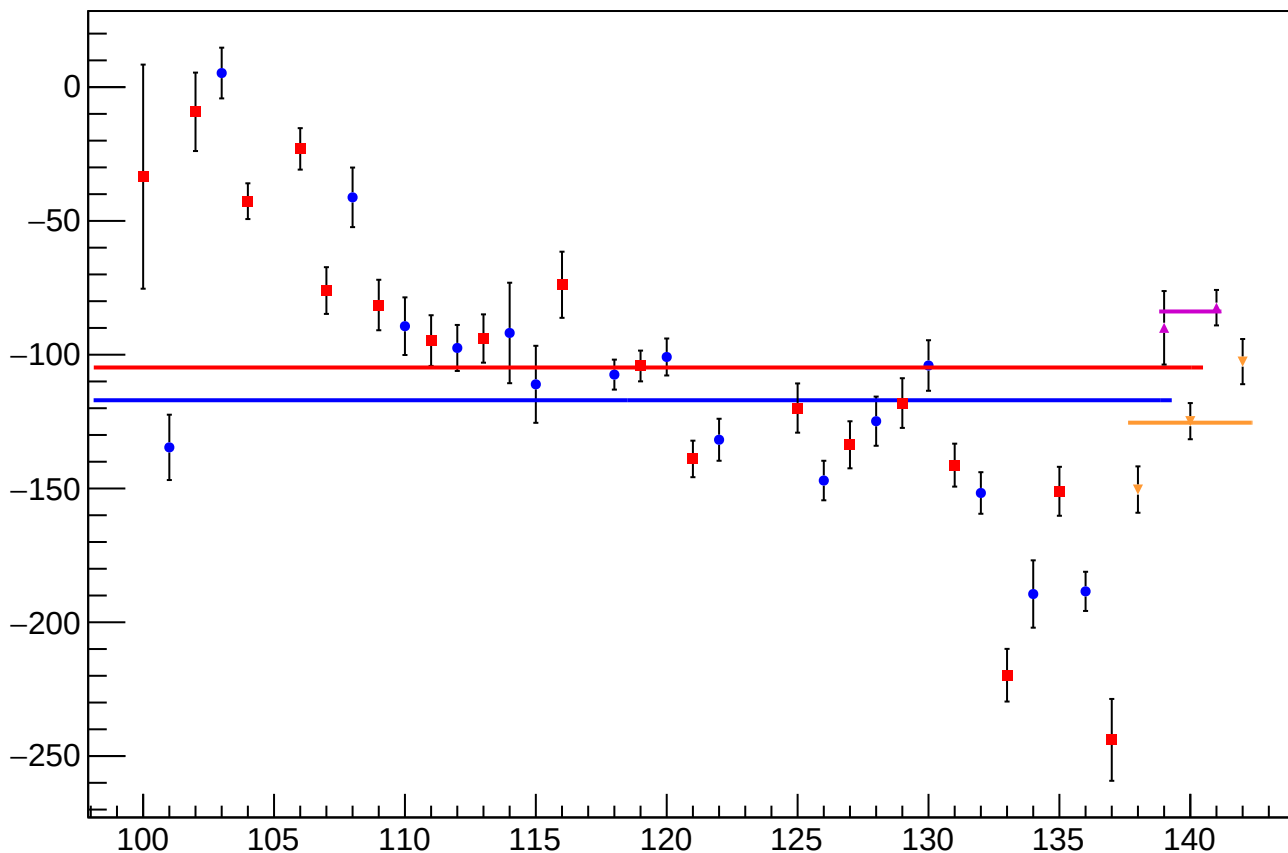
Left In: -479.945+/-5.688 χ^2/NDF : 22.0/1

+ sign -406.762+/-1.901 χ^2/NDF : 3324.0/18

All: -391.068+/-1.321 χ^2/NDF : 10068.3/38

- sign -376.396+/-1.838 χ^2/NDF : 6612.4/19

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -117.021 ± 2.194 $\chi^2/\text{NDF}: 407.8/15$

Left Out: -125.405 ± 4.507 $\chi^2/\text{NDF}: 15.6/2$

Right Out: -104.780 ± 2.091 $\chi^2/\text{NDF}: 575.1/17$

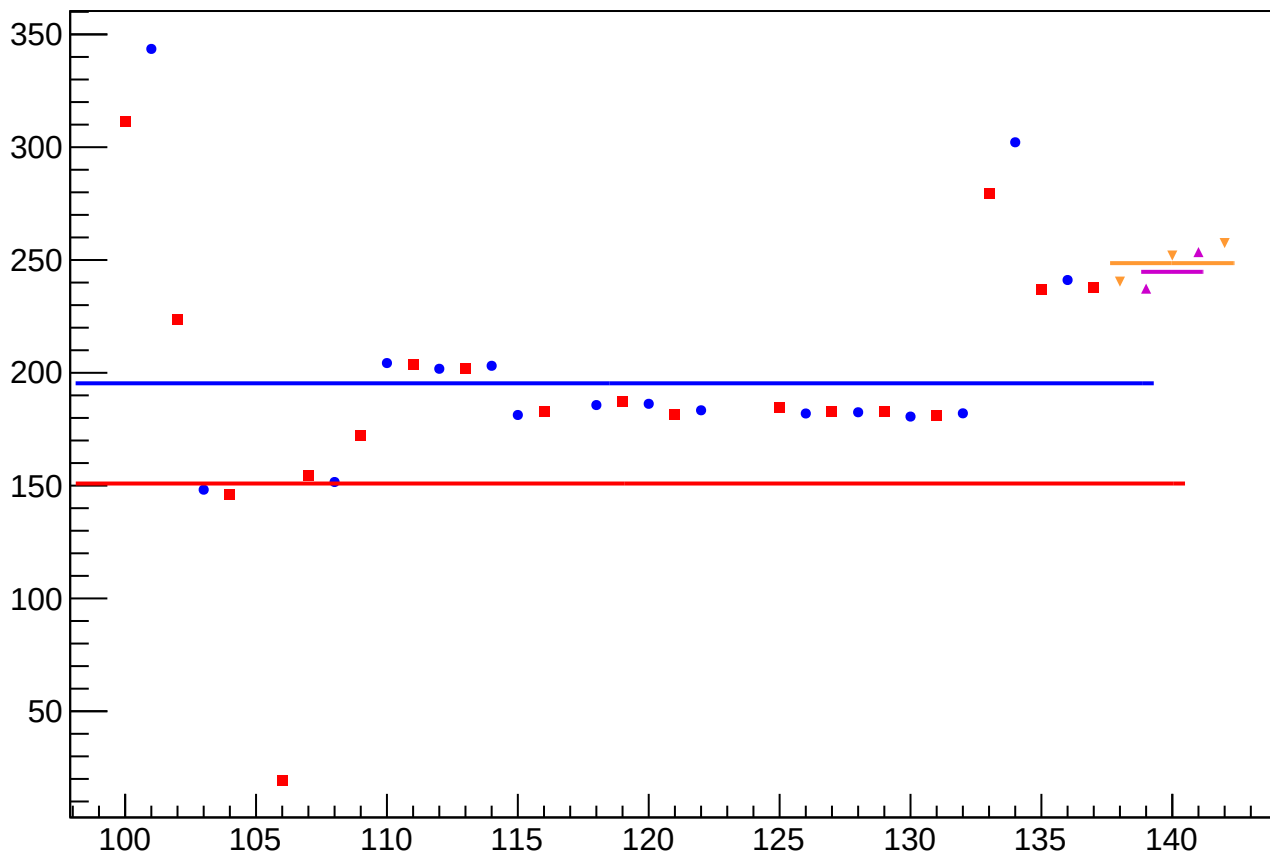
Left In: -83.846 ± 5.969 $\chi^2/\text{NDF}: 0.2/1$

+ sign -118.628 ± 1.973 $\chi^2/\text{NDF}: 426.3/18$

All: -110.561 ± 1.395 $\chi^2/\text{NDF}: 1046.0/38$

- sign -102.492 ± 1.973 $\chi^2/\text{NDF}: 586.3/19$

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 195.351 $\pm$ 0.125 χ^2 /NDF: 176975.5/15

Left Out: 248.613 $\pm$ 0.201 χ^2 /NDF:1134.9/2

Right Out: 150.932 $\pm$ 0.110 χ^2 /NDF: 499233.7/17

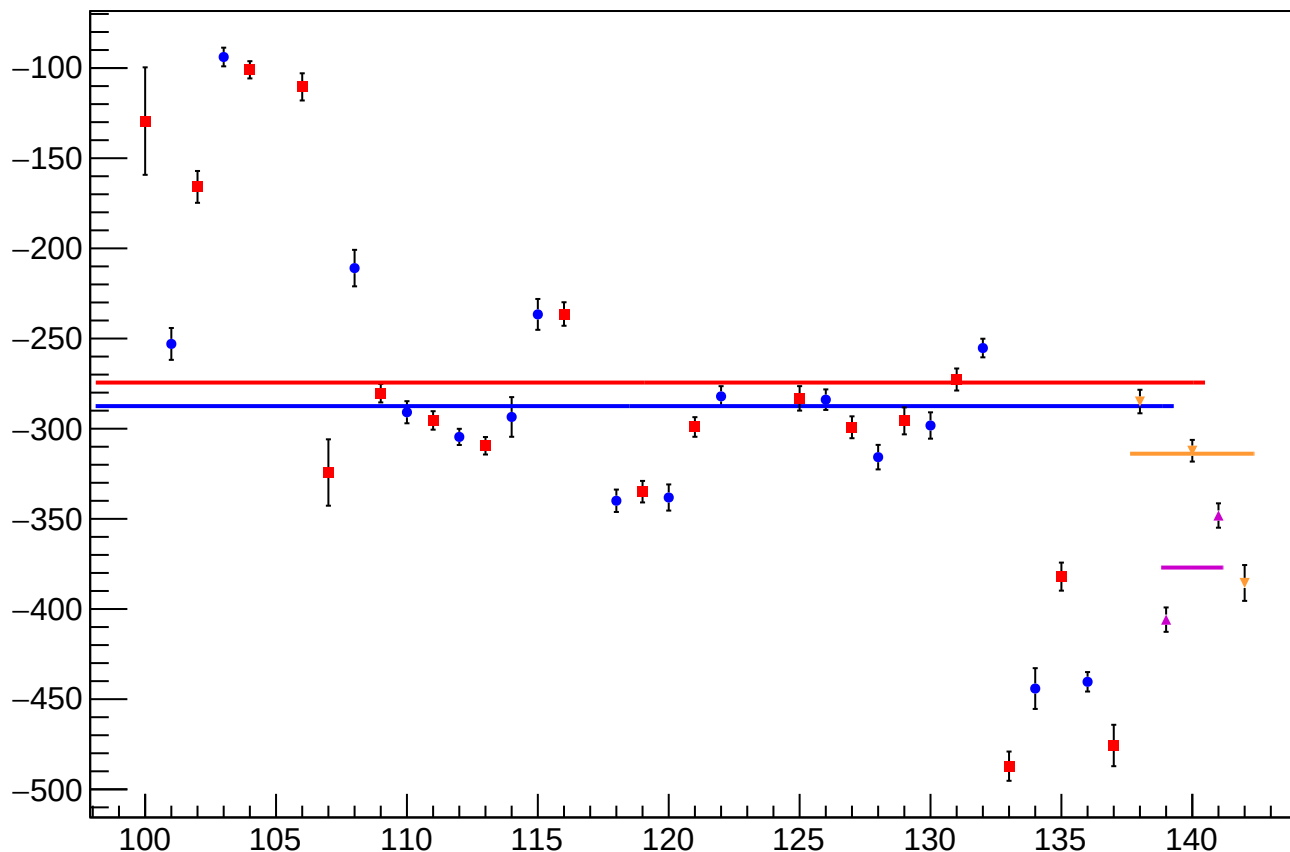
Left In: 244.756 $\pm$ 0.218 χ^2 /NDF:1376.1/1

+ sign 210.101 $\pm$ 0.106 χ^2 /NDF: 228687.3/18

All: 188.584 $\pm$ 0.072 χ^2 /NDF: 953963.7/38

- sign 170.076 $\pm$ 0.098 χ^2 /NDF: 648596.4/19

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: -313.869+/-4.038 χ^2/NDF : 71.8/2

Right Out: -274.417+/-1.551 χ^2/NDF : 3413.4/17

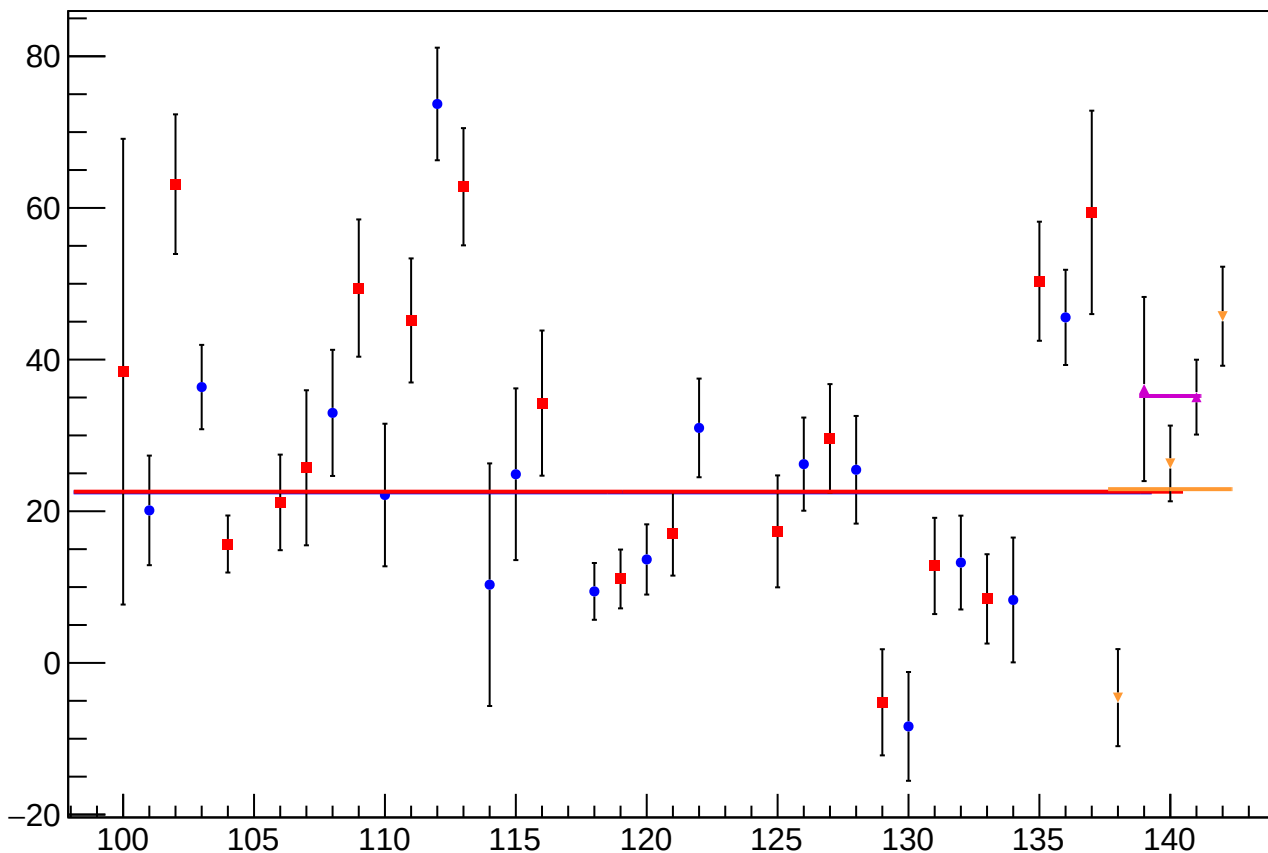
Left In: -377.009+/-4.781 χ^2/NDF : 36.5/1

+ sign -291.101+/-1.496 χ^2/NDF : 2805.1/18

All: -287.597+/-1.051 χ^2/NDF : 6682.4/38

- sign -284.190+/-1.476 χ^2/NDF : 3866.5/19

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: 22.915 $\pm$ 3.372 χ^2 /NDF:31.1/2

Right Out: 22.580 $\pm$ 1.570 χ^2 /NDF: 123.3/17

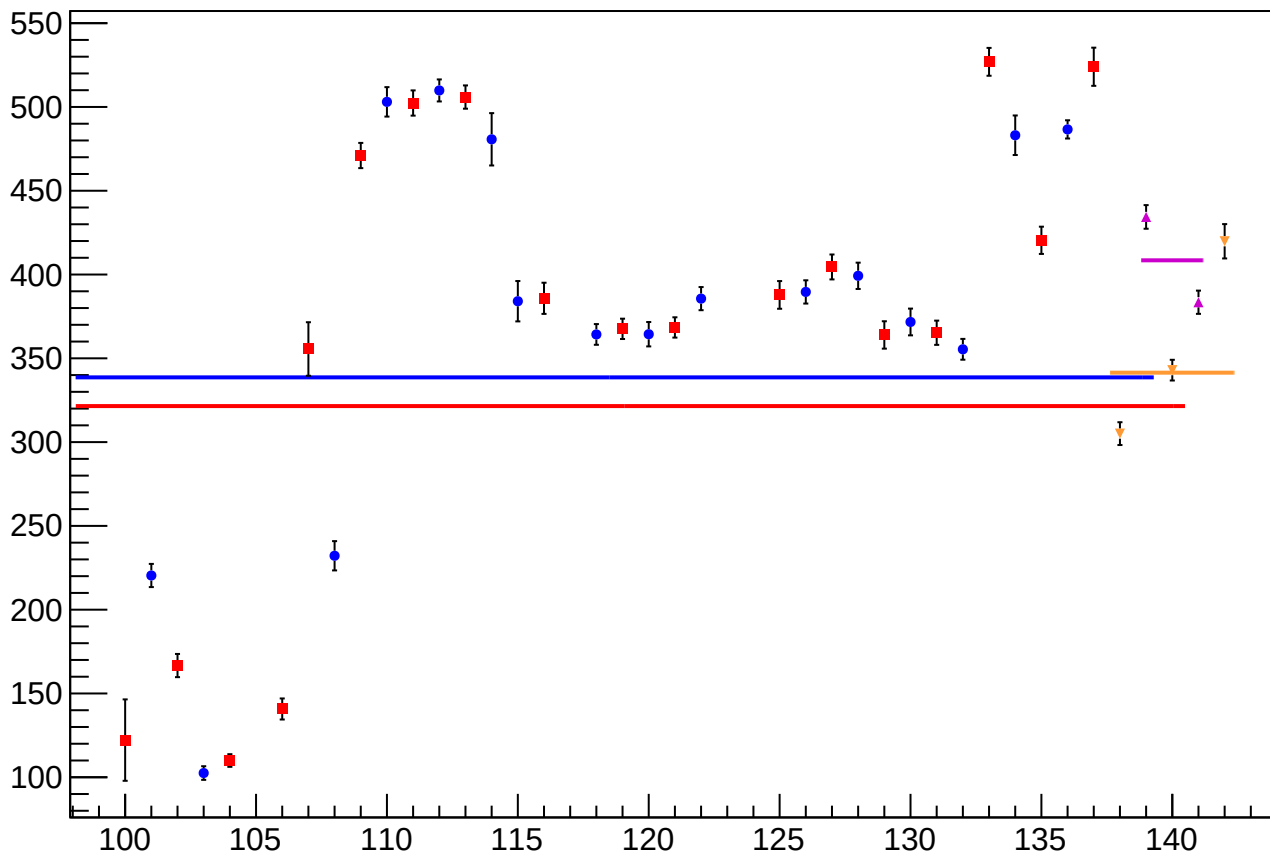
Left In: 35.200 $\pm$ 4.574 χ^2 /NDF:0.0/1

+ sign 22.572 $\pm$ 1.461 χ^2 /NDF: 142.5/18

All: 23.230 $\pm$ 1.041 χ^2 /NDF: 273.1/38

- sign 23.910 $\pm$ 1.485 χ^2 /NDF: 130.2/19

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: 341.439 $\pm$ 4.177 χ^2 /NDF:87.2/2

Right Out: 321.500 $\pm$ 1.694 χ^2 /NDF: 7720.8/17

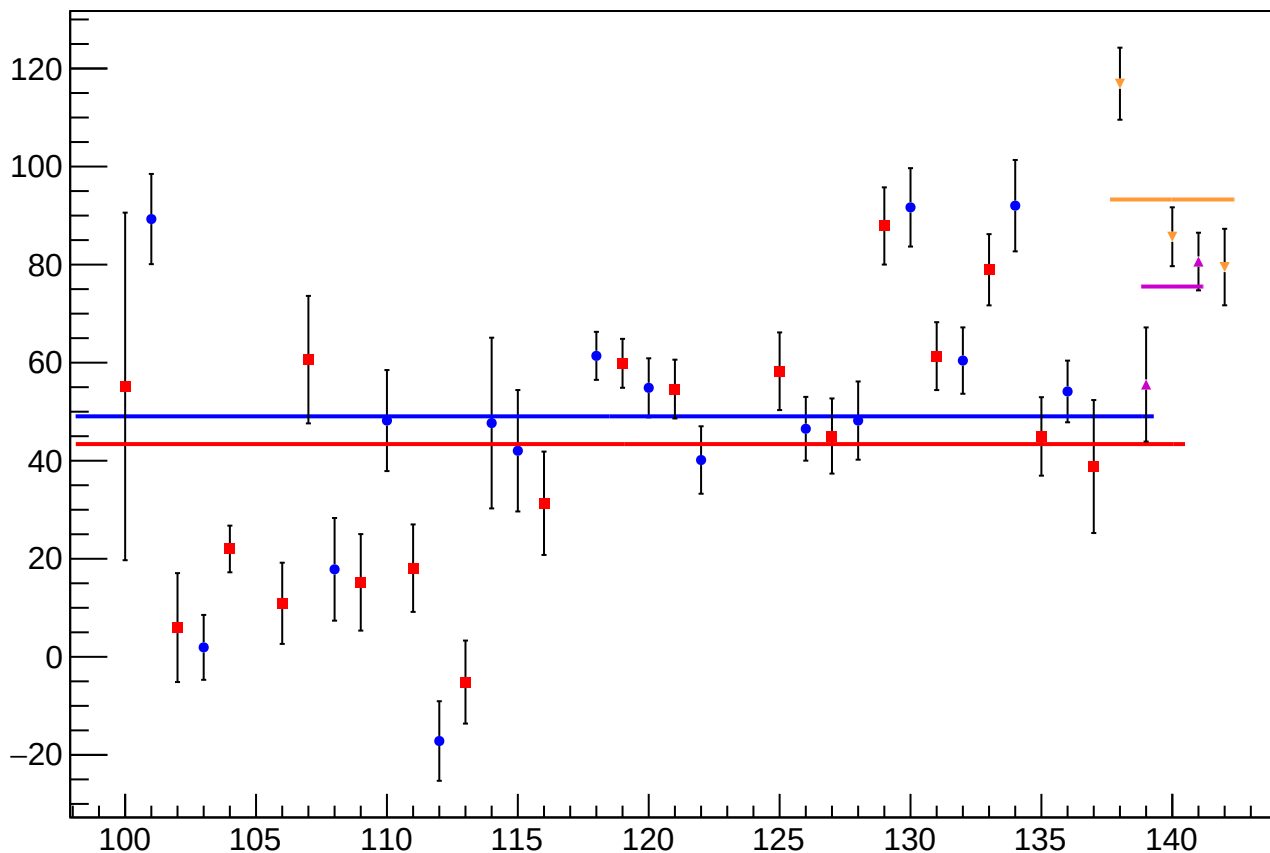
Left In: 408.485 $\pm$ 4.944 χ^2 /NDF:26.5/1

+ sign 339.051 $\pm$ 1.613 χ^2 /NDF: 6130.2/18

All: 334.819 $\pm$ 1.137 χ^2 /NDF: 14168.2/38

- sign 330.640 $\pm$ 1.603 χ^2 /NDF: 8024.3/19

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: 93.280 $\pm$ 3.994 χ^2 /NDF:15.0/2

Right Out: 43.392 $\pm$ 1.834 χ^2 /NDF: 180.0/17

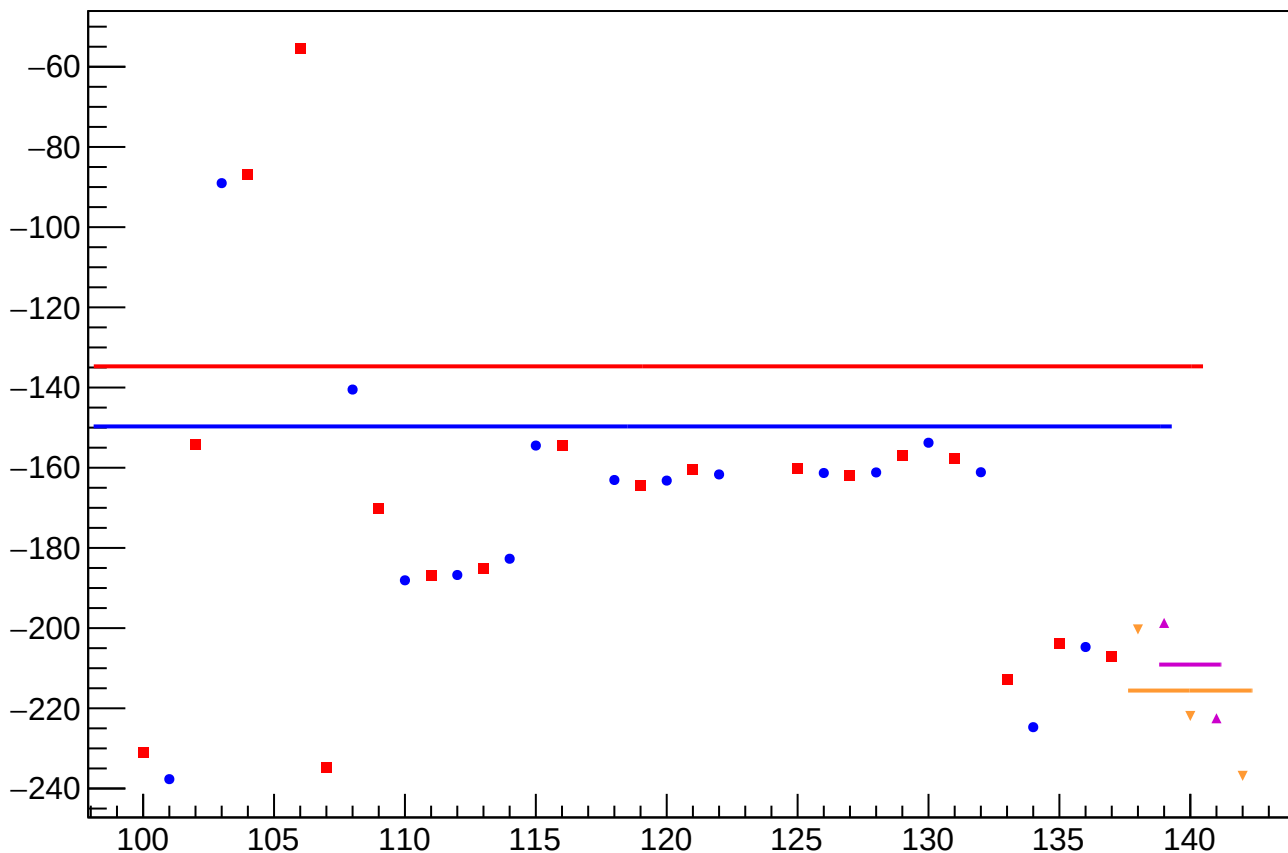
Left In: 75.530 $\pm$ 5.247 χ^2 /NDF:3.7/1

+ sign 57.093 $\pm$ 1.703 χ^2 /NDF: 323.3/18

All: 52.076 $\pm$ 1.214 χ^2 /NDF: 558.1/38

- sign 46.890 $\pm$ 1.731 χ^2 /NDF: 217.1/19

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: -215.571+/-0.176 χ^2/NDF : 6190.0/2

Right Out: -134.715+/-0.097 χ^2/NDF : 312639.8/17

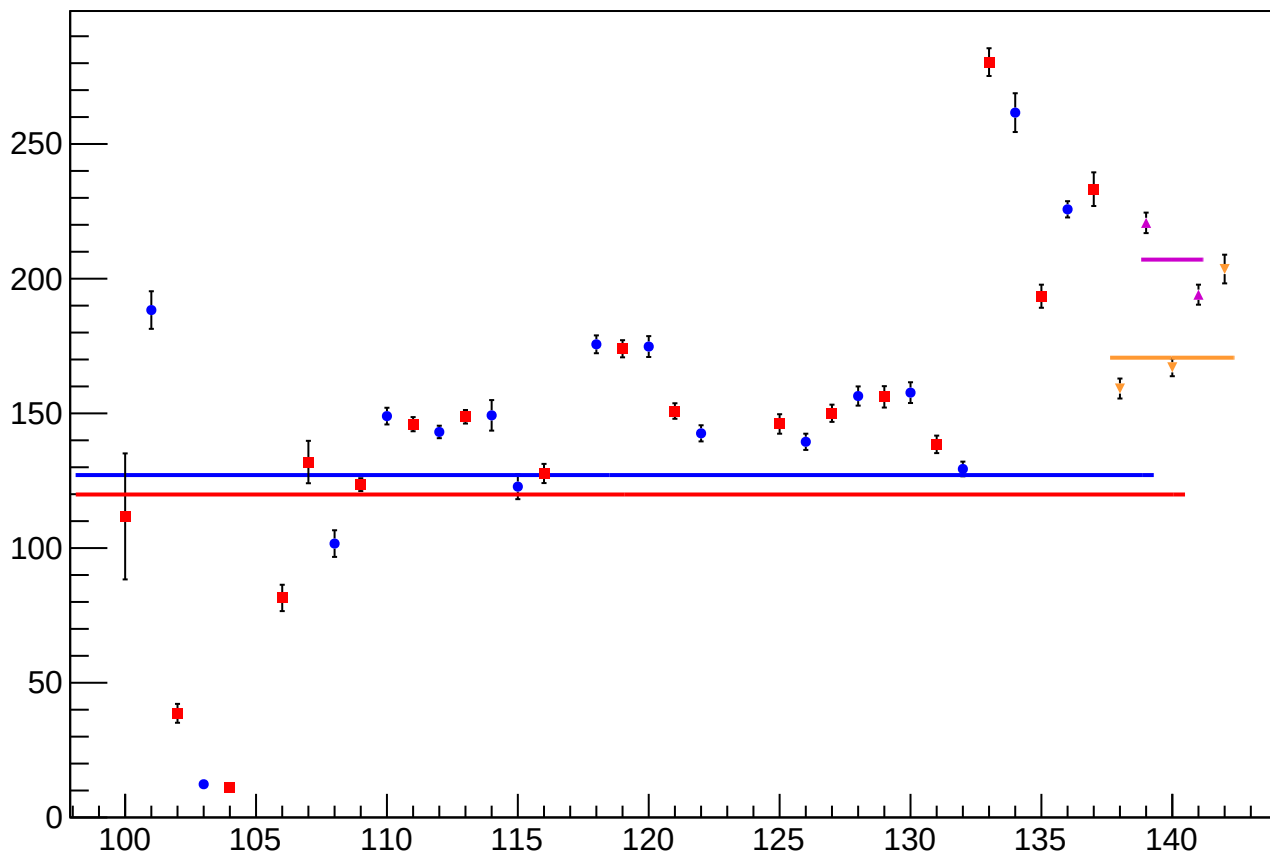
Left In: -209.093+/-0.188 χ^2/NDF : 3925.7/1

+ sign -165.919+/-0.088 χ^2/NDF : 367784.9/18

All: -158.002+/-0.061 χ^2/NDF : 823841.5/38

- sign -150.320+/-0.086 χ^2/NDF : 439937.8/19

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100 ± 0.811 χ^2/NDF : 6163.2/15

Left Out: 170.669 ± 2.238 χ^2/NDF : 48.9/2

Right Out: 119.886 ± 0.774 χ^2/NDF : 6649.6/17

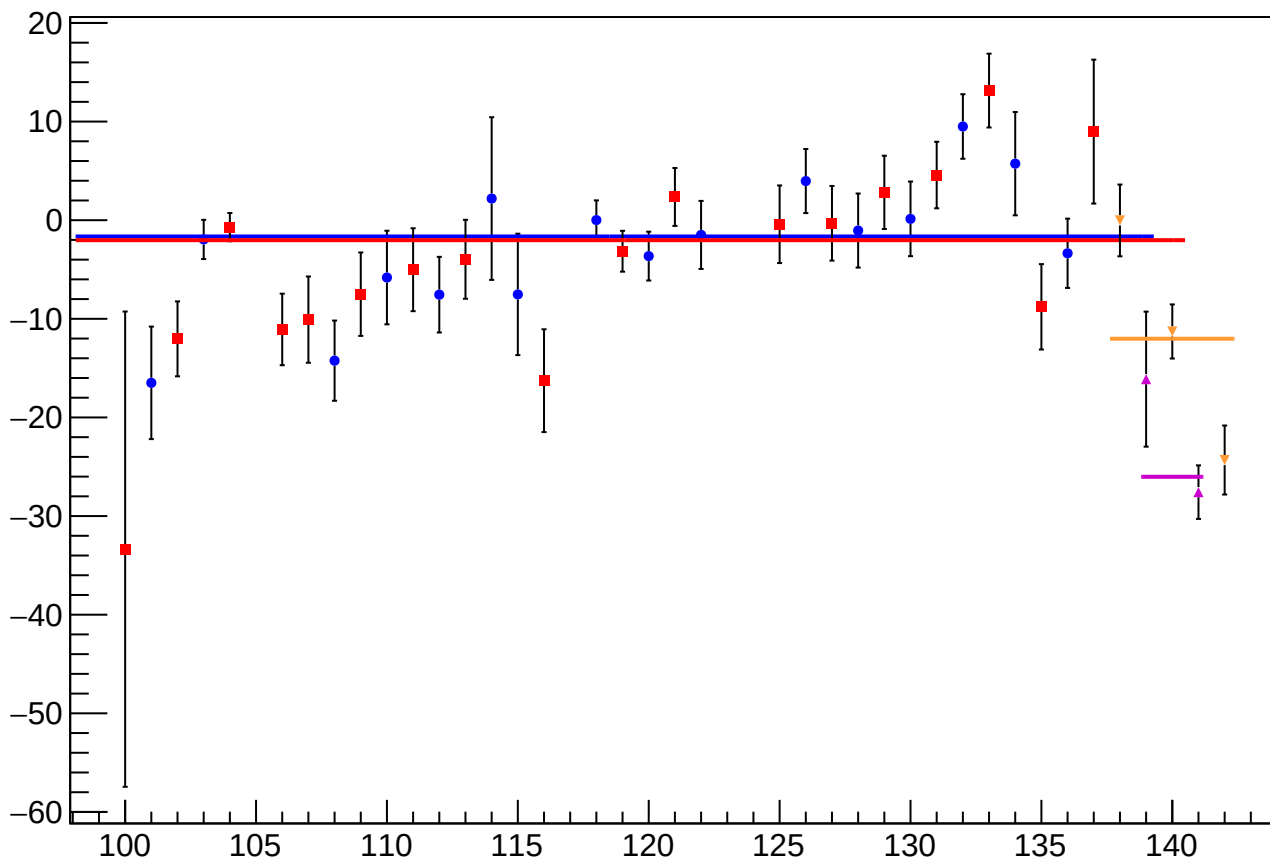
Left In: 207.081 ± 2.658 χ^2/NDF : 25.1/1

+ sign 132.155 ± 0.762 χ^2/NDF : 6547.1/18

All: 129.361 ± 0.532 χ^2/NDF : 14239.9/38

- sign 126.705 ± 0.743 χ^2/NDF : 7666.6/19

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: -12.018 ± 1.857 χ^2/NDF : 23.3/2

Right Out: -2.027 ± 0.770 χ^2/NDF : 58.6/17

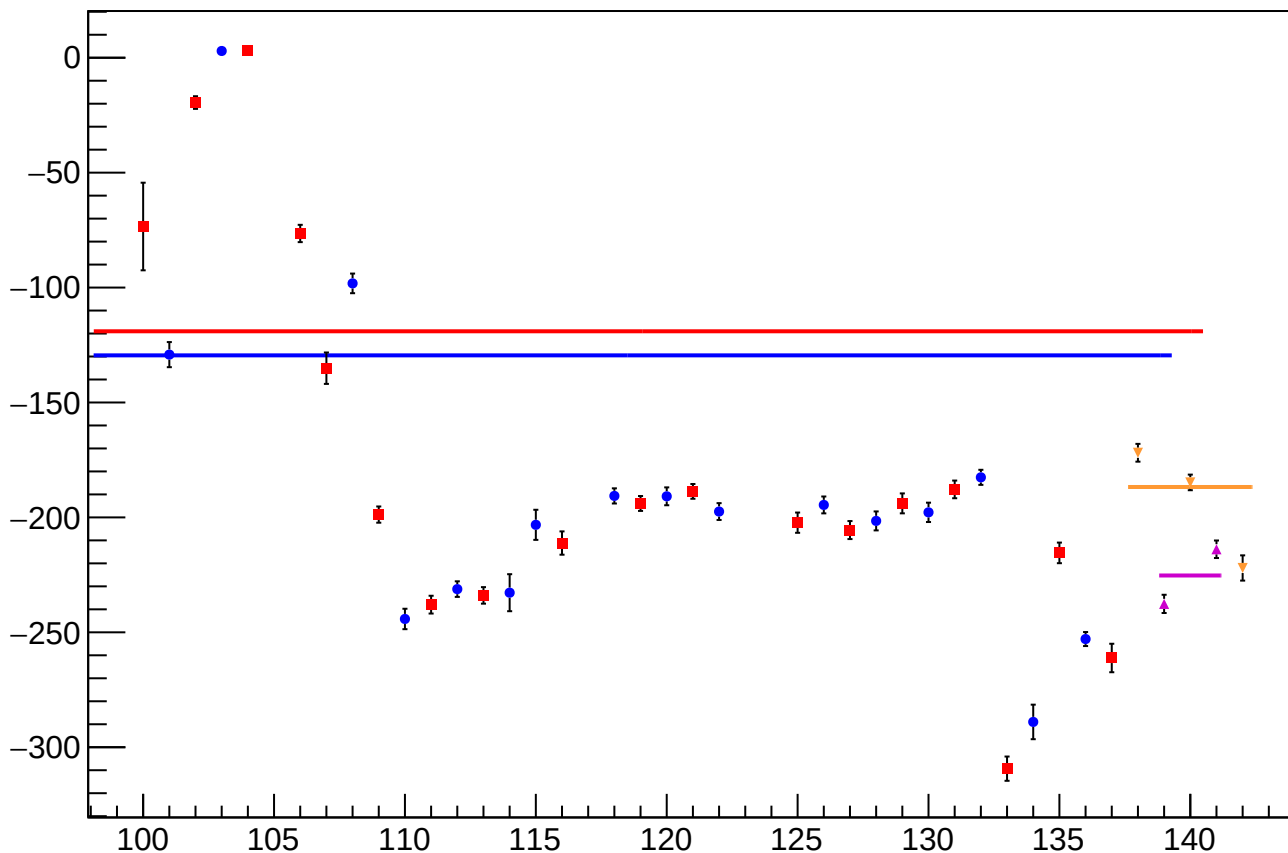
Left In: -26.018 ± 2.524 χ^2/NDF : 2.4/1

+ sign -3.387 ± 0.760 χ^2/NDF : 88.3/18

All: -3.740 ± 0.529 χ^2/NDF : 232.4/38

- sign -4.071 ± 0.737 χ^2/NDF : 143.7/19

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: -186.770+/-2.314 χ^2/NDF : 56.3/2

Right Out: -119.022+/-0.813 χ^2/NDF : 16177.3/17

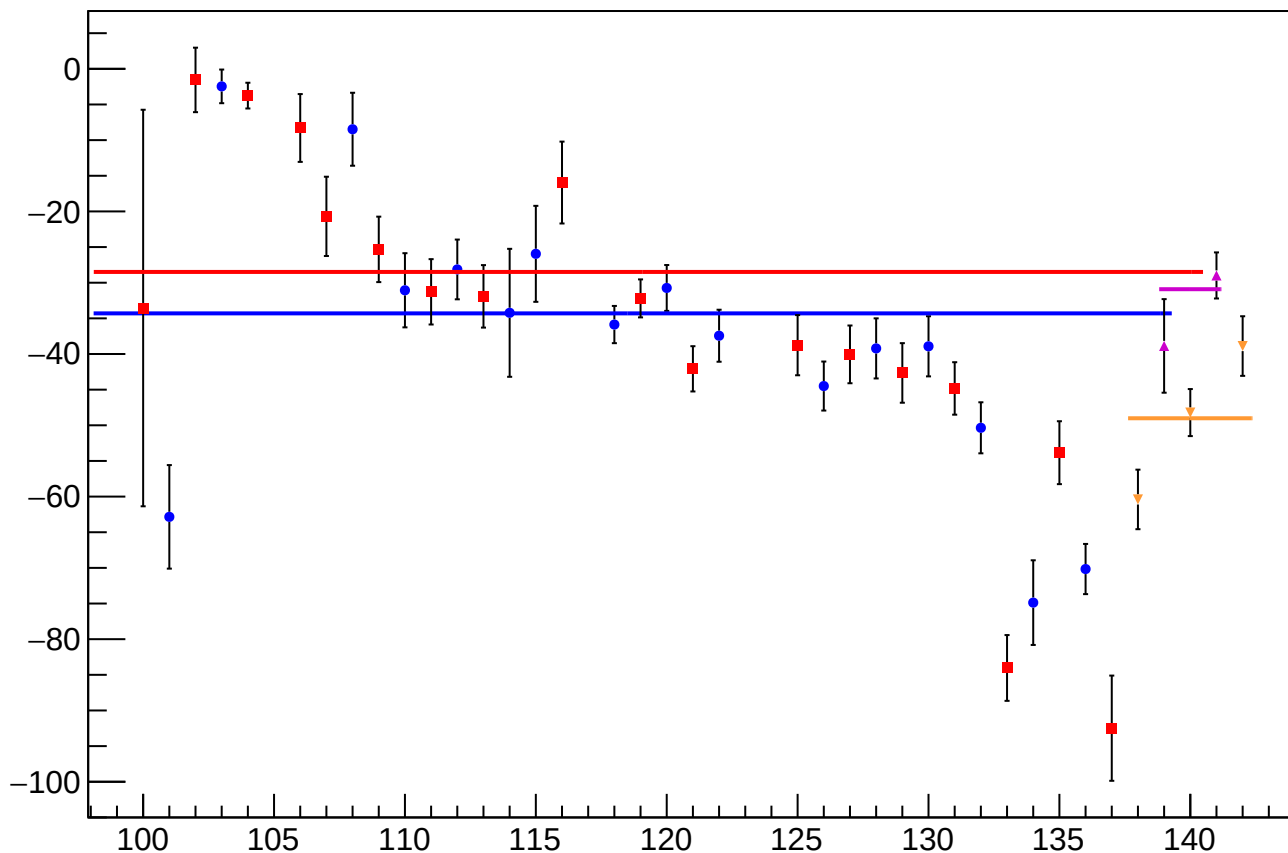
Left In: -225.275+/-2.748 χ^2/NDF : 18.7/1

+ sign -136.254+/-0.795 χ^2/NDF : 15284.4/18

All: -131.826+/-0.557 χ^2/NDF : 32915.9/38

- sign -127.570+/-0.779 χ^2/NDF : 17570.7/19

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: -49.014 ± 2.201 χ^2/NDF : 13.4/2

Right Out: -28.488 ± 0.907 χ^2/NDF : 568.0/17

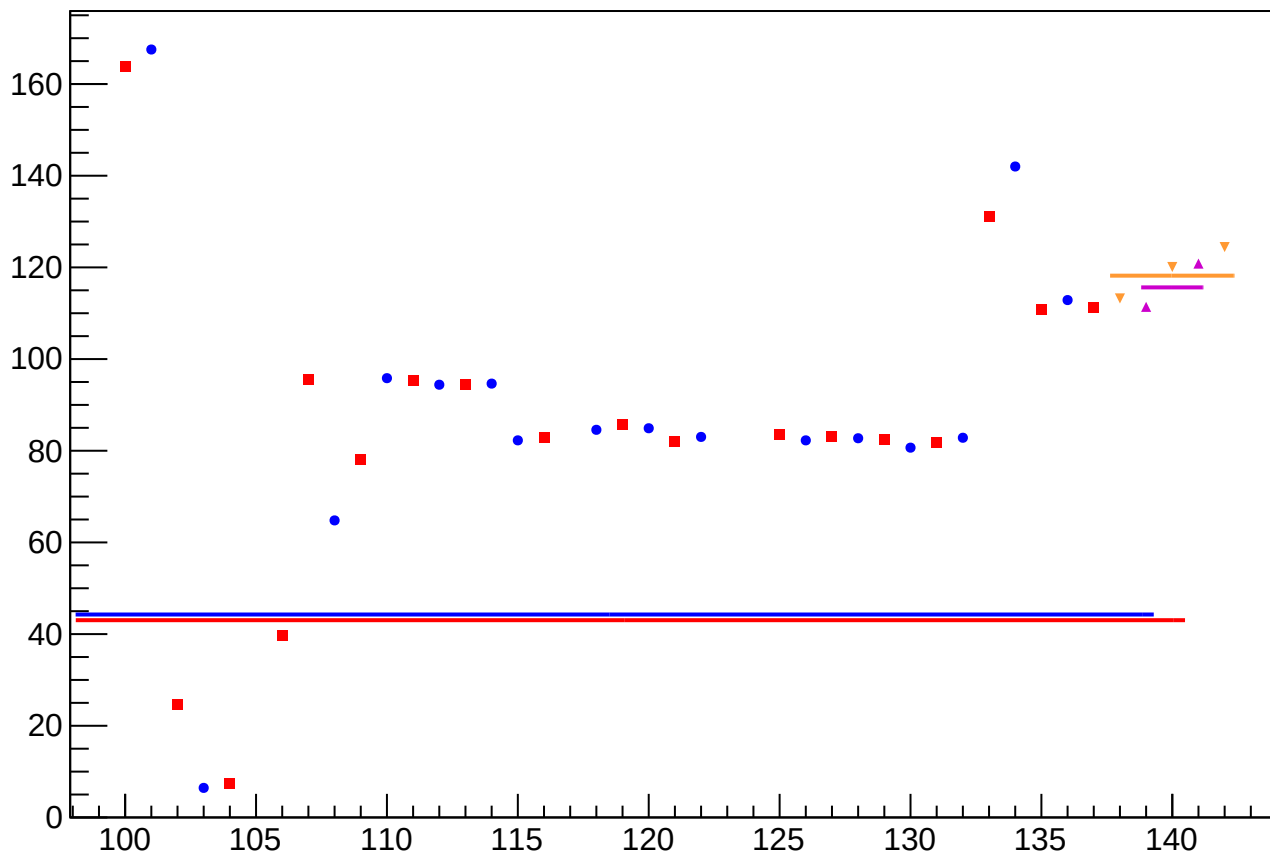
Left In: -30.910 ± 2.899 χ^2/NDF : 1.8/1

+ sign -36.685 ± 0.886 χ^2/NDF : 462.1/18

All: -32.601 ± 0.619 χ^2/NDF : 1074.1/38

- sign -28.704 ± 0.866 χ^2/NDF : 570.5/19

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: 118.196+/-0.098 χ^2/NDF : 1939.4/2

Right Out: 43.035+/-0.045 χ^2/NDF : 805108.5/17

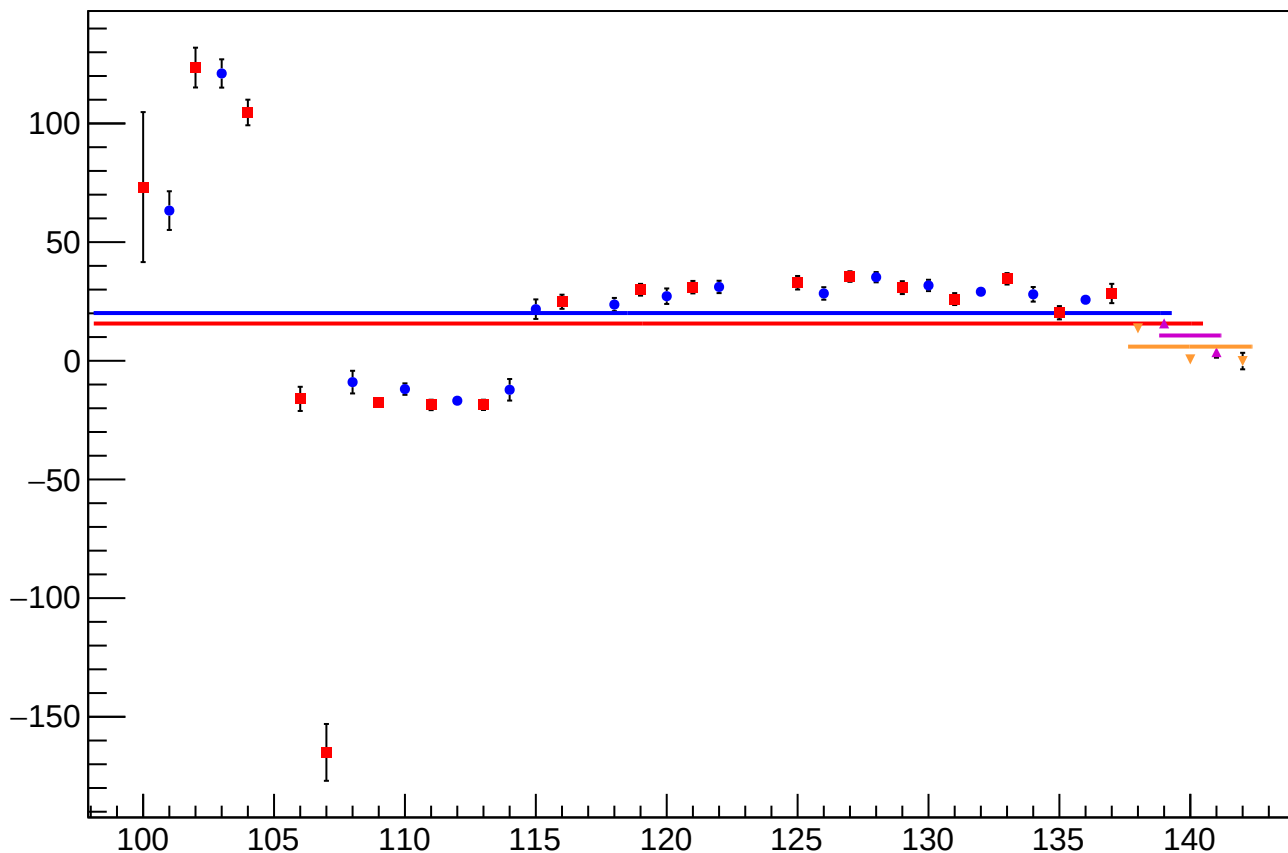
Left In: 115.637+/-0.105 χ^2/NDF : 2001.5/1

+ sign 57.158+/-0.041 χ^2/NDF : 1558572.3/18

All: 55.764+/-0.029 χ^2/NDF : 2772422.9/38

- sign 54.331+/-0.041 χ^2/NDF : 1211486.9/19

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 20.117 $\pm$ 0.687 χ^2 /NDF: 1048.1/15

Left Out: 5.971 $\pm$ 1.355 χ^2 /NDF:23.4/2

Right Out: 15.700 $\pm$ 0.682 χ^2 /NDF: 1773.8/17

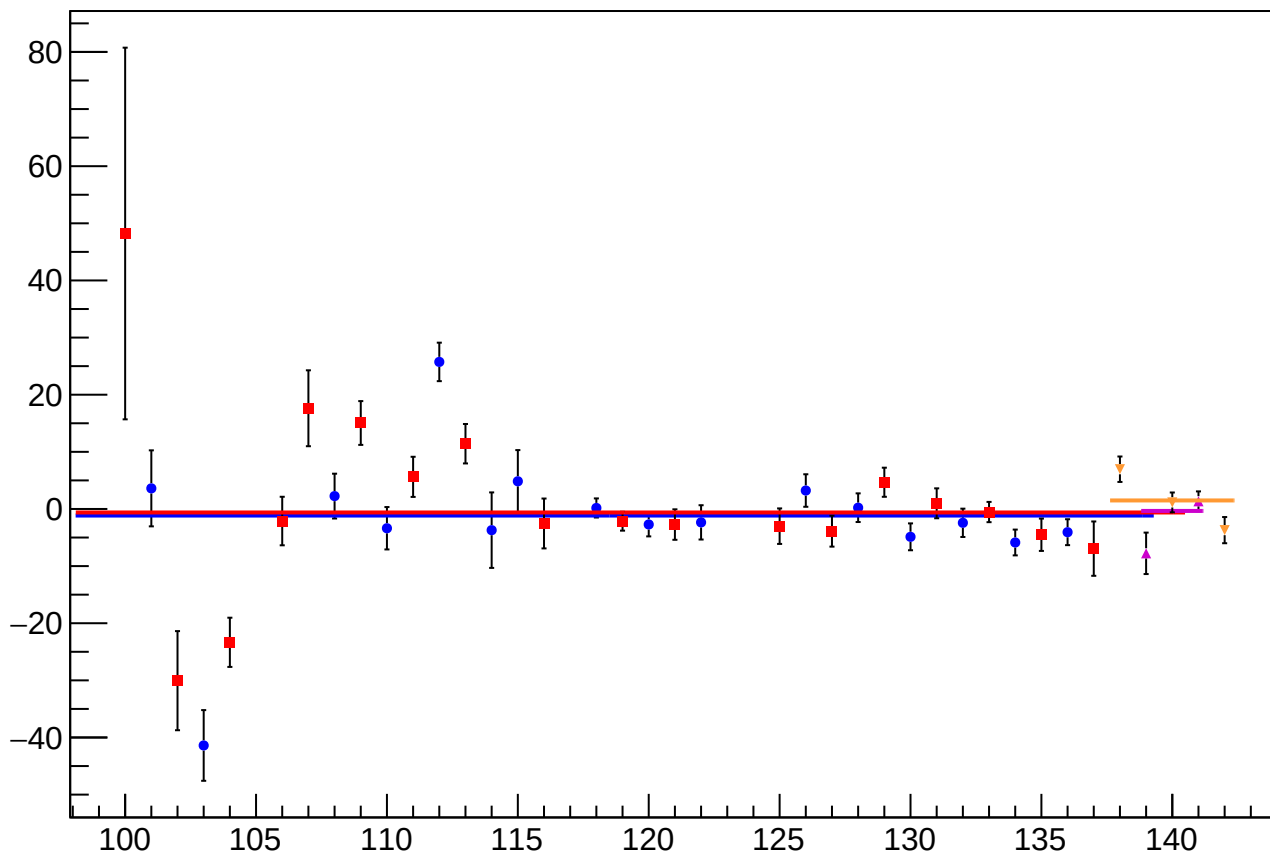
Left In: 10.661 $\pm$ 1.527 χ^2 /NDF:15.4/1

+ sign 17.223 $\pm$ 0.613 χ^2 /NDF: 1158.2/18

All: 16.062 $\pm$ 0.437 χ^2 /NDF: 2963.8/38

- sign 14.862 $\pm$ 0.623 χ^2 /NDF: 1798.2/19

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: 1.492 ± 1.175 χ^2/NDF : 11.2/2

Right Out: -0.614 ± 0.713 χ^2/NDF : 93.4/17

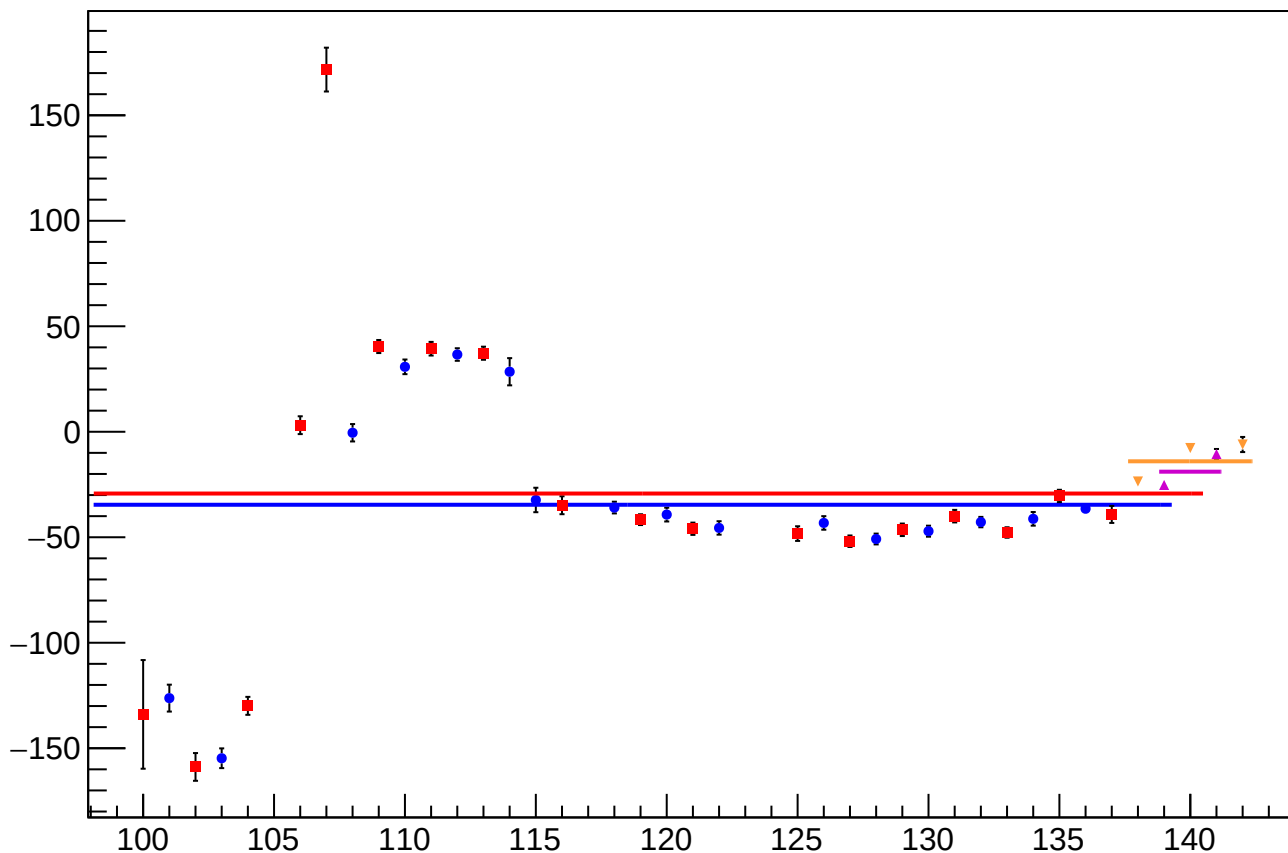
Left In: -0.344 ± 1.562 χ^2/NDF : 5.1/1

+ sign -0.460 ± 0.601 χ^2/NDF : 136.8/18

All: -0.510 ± 0.441 χ^2/NDF : 235.3/38

- sign -0.568 ± 0.649 χ^2/NDF : 98.5/19

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: -14.001 ± 1.403 χ^2/NDF : 32.9/2

Right Out: -29.277 ± 0.800 χ^2/NDF : 3081.1/17

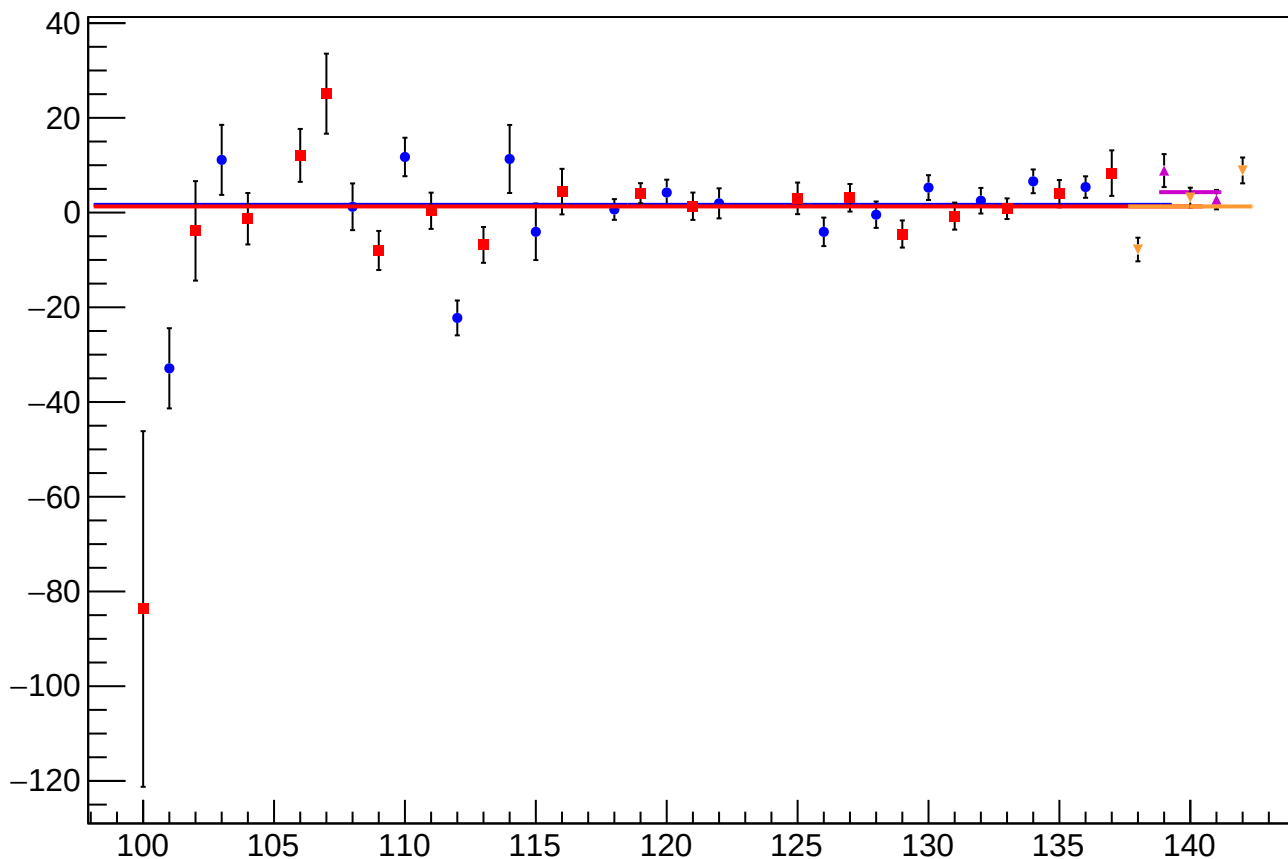
Left In: -18.922 ± 1.580 χ^2/NDF : 21.0/1

+ sign -29.675 ± 0.686 χ^2/NDF : 2255.4/18

All: -28.470 ± 0.494 χ^2/NDF : 5398.1/38

- sign -27.166 ± 0.714 χ^2/NDF : 3136.3/19

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: 1.292 ± 1.378 χ^2/NDF : 21.9/2

Right Out: 1.298 ± 0.817 χ^2/NDF : 37.5/17

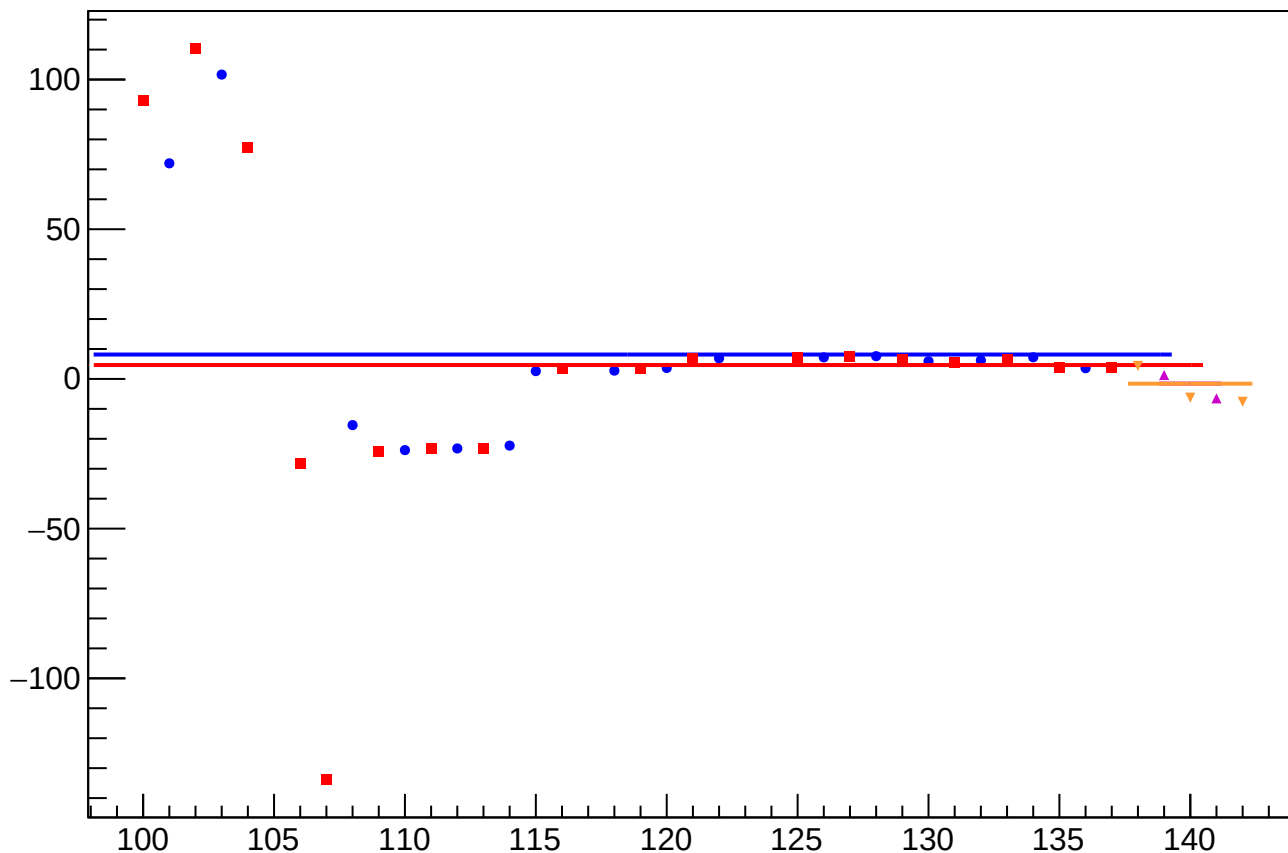
Left In: 4.314 ± 1.767 χ^2/NDF : 2.3/1

+ sign 1.546 ± 0.690 χ^2/NDF : 105.2/18

All: 1.677 ± 0.505 χ^2/NDF : 147.5/38

- sign 1.829 ± 0.741 χ^2/NDF : 42.2/19

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 8.146+/-0.048 χ^2/NDF : 313350.7/15

Left Out: -1.588+/-0.058 χ^2/NDF : 8978.6/2

Right Out: 4.638+/-0.052 χ^2/NDF : 446805.7/17

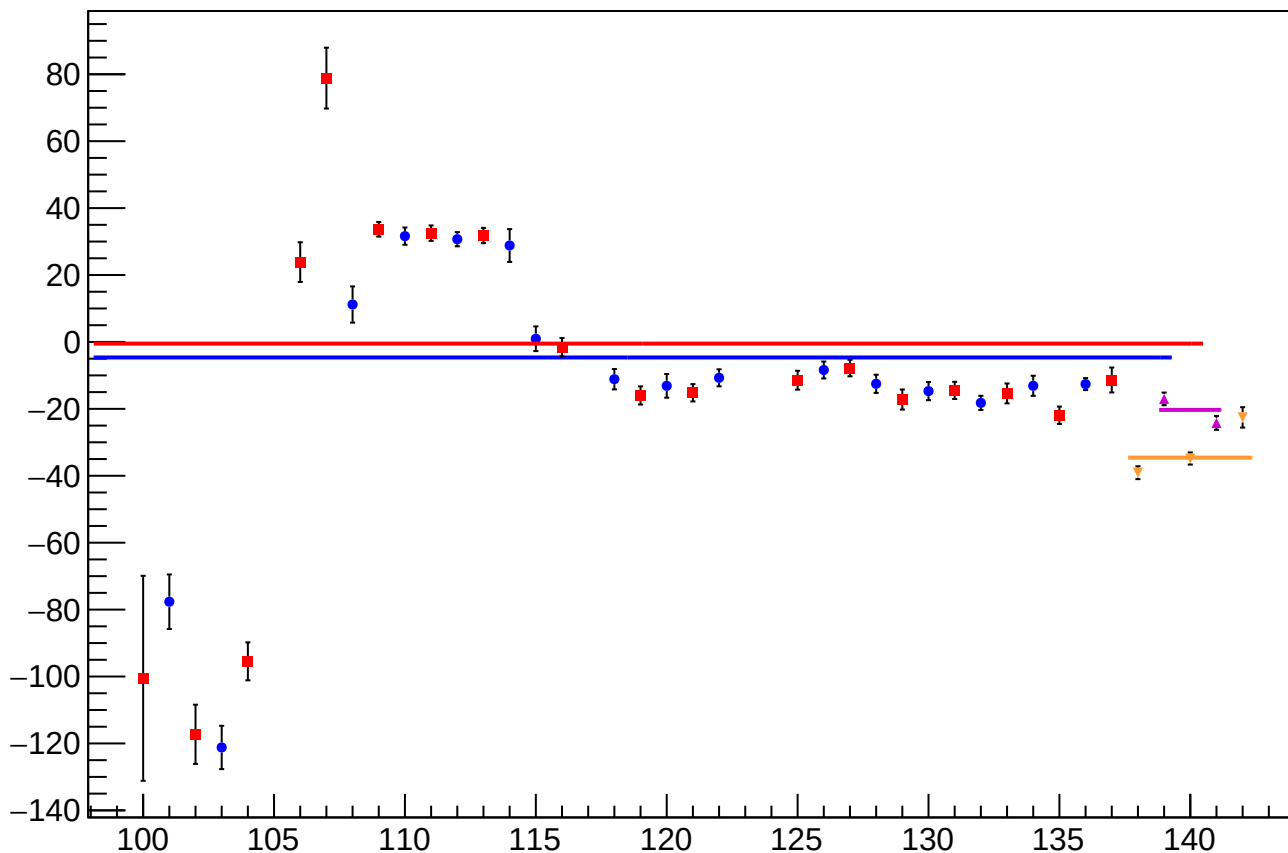
Left In: -1.559+/-0.059 χ^2/NDF : 3994.3/1

+ sign 4.166+/-0.037 χ^2/NDF : 338884.8/18

All: 3.122+/-0.027 χ^2/NDF : 797524.6/38

- sign 1.973+/-0.039 χ^2/NDF : 456983.7/19

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: -34.582 ± 1.212 χ^2/NDF : 21.1/2

Right Out: -0.505 ± 0.711 χ^2/NDF : 1457.8/17

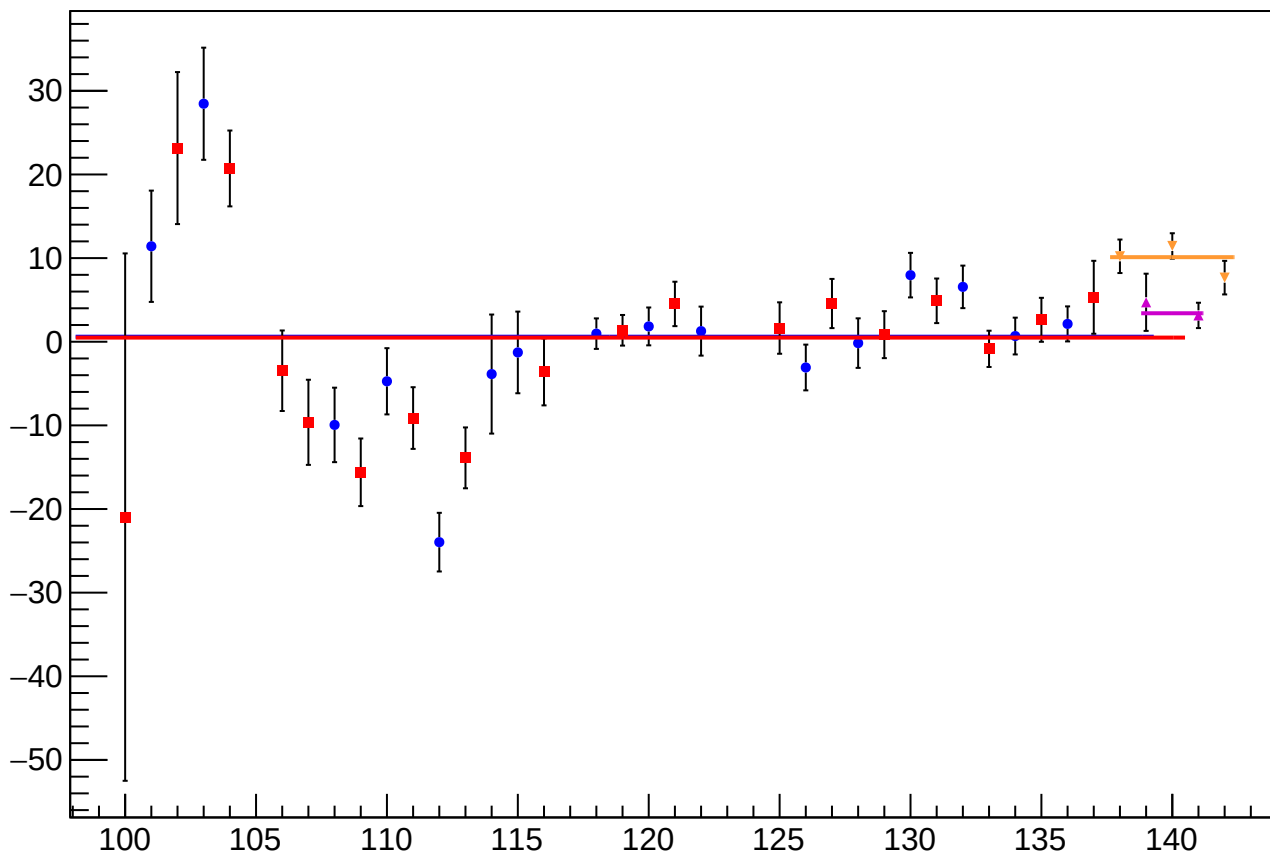
Left In: -20.307 ± 1.395 χ^2/NDF : 6.6/1

+ sign -12.317 ± 0.614 χ^2/NDF : 1521.3/18

All: -8.575 ± 0.441 χ^2/NDF : 3222.5/38

- sign -4.588 ± 0.633 χ^2/NDF : 1624.4/19

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.602 ± 0.727 $\chi^2/\text{NDF}: 92.9/15$

Left Out: 10.113 ± 1.036 $\chi^2/\text{NDF}: 2.3/2$

Right Out: 0.496 ± 0.755 $\chi^2/\text{NDF}: 80.2/17$

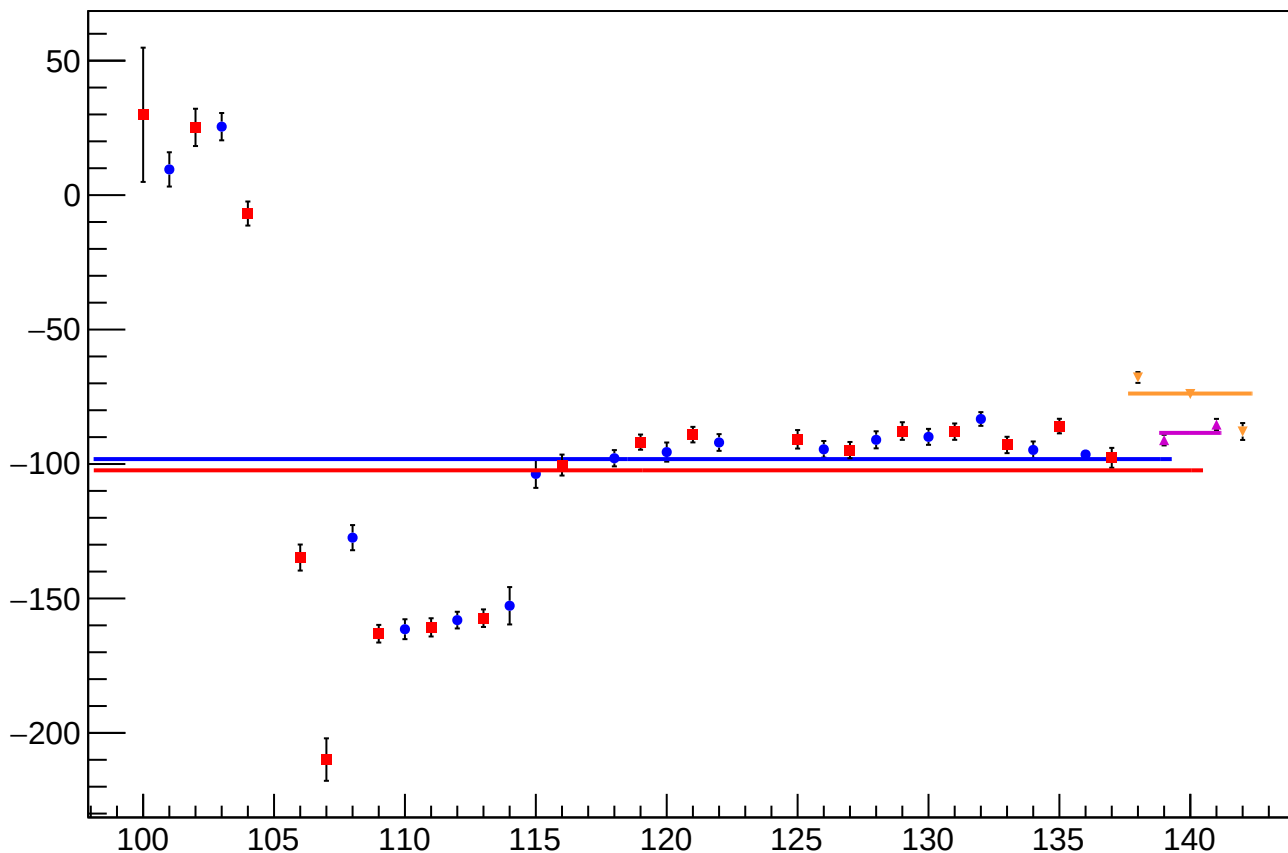
Left In: 3.406 ± 1.385 $\chi^2/\text{NDF}: 0.2/1$

+ sign 3.739 ± 0.595 $\chi^2/\text{NDF}: 151.6/18$

All: 2.589 ± 0.443 $\chi^2/\text{NDF}: 243.7/38$

- sign 1.162 ± 0.663 $\chi^2/\text{NDF}: 83.7/19$

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -98.168 ± 0.813 χ^2/NDF : 1699.9/15

Left Out: -73.793 ± 1.254 χ^2/NDF : 29.0/2

Right Out: -102.349 ± 0.837 χ^2/NDF : 2117.5/17

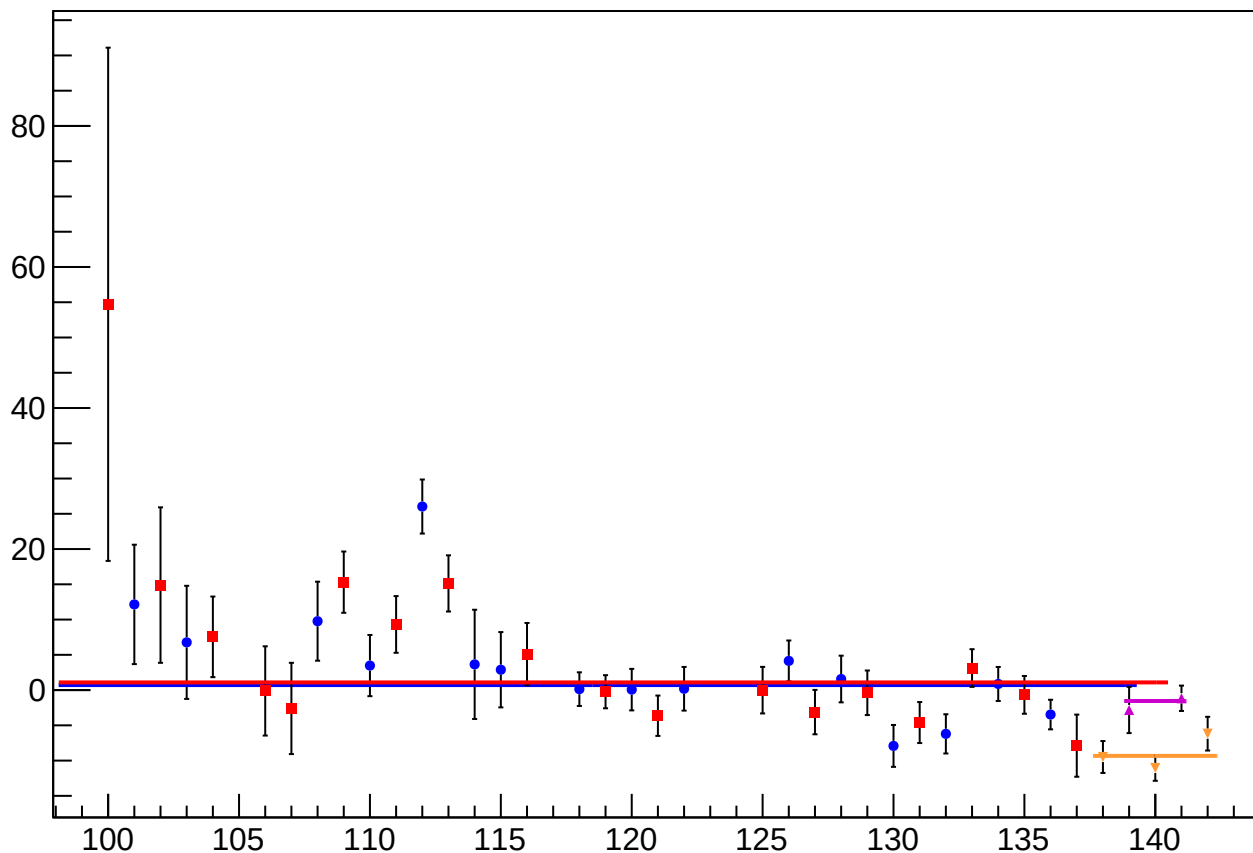
Left In: -88.423 ± 1.443 χ^2/NDF : 4.0/1

+ sign -90.960 ± 0.682 χ^2/NDF : 1994.9/18

All: -94.667 ± 0.496 χ^2/NDF : 4249.0/38

- sign -98.843 ± 0.724 χ^2/NDF : 2191.2/19

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: -9.331+/-1.219 χ^2/NDF : 2.6/2

Right Out: 1.088+/-0.856 χ^2/NDF : 47.7/17

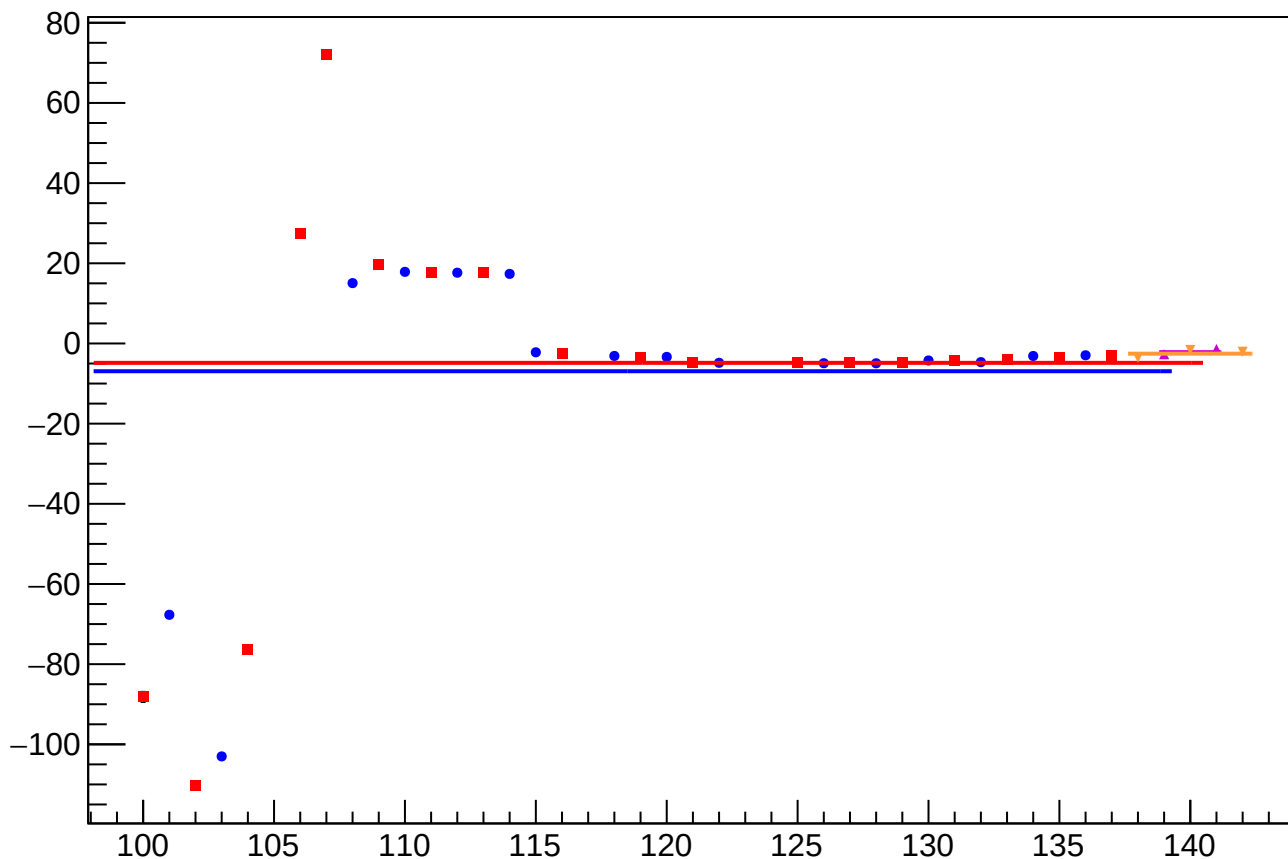
Left In: -1.545+/-1.576 χ^2/NDF : 0.2/1

+ sign -2.425+/-0.681 χ^2/NDF : 118.9/18

All: -1.113+/-0.505 χ^2/NDF : 177.2/38

- sign 0.488+/-0.753 χ^2/NDF : 50.0/19

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: -2.545 ± 0.052 χ^2/NDF : 306.0/2

Right Out: -4.833 ± 0.053 χ^2/NDF : 339363.3/17

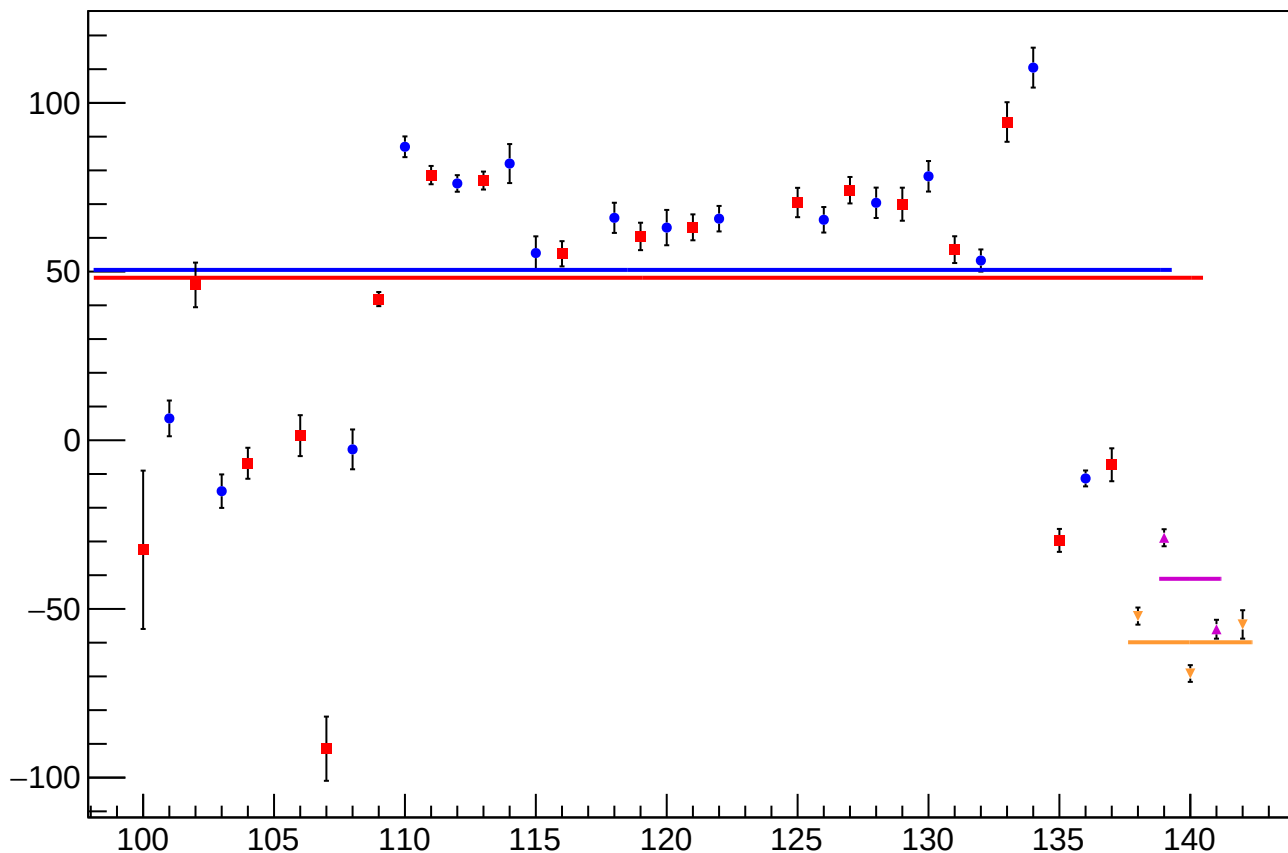
Left In: -2.163 ± 0.055 χ^2/NDF : 139.4/1

+ sign -4.899 ± 0.036 χ^2/NDF : 269267.0/18

All: -4.264 ± 0.026 χ^2/NDF : 610686.2/38

- sign -3.542 ± 0.038 χ^2/NDF : 340738.7/19

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2 /NDF: 1503.6/15

Left Out: -59.881+/-1.635 χ^2 /NDF:24.9/2

Right Out: 48.172+/-0.914 χ^2 /NDF: 1519.5/17

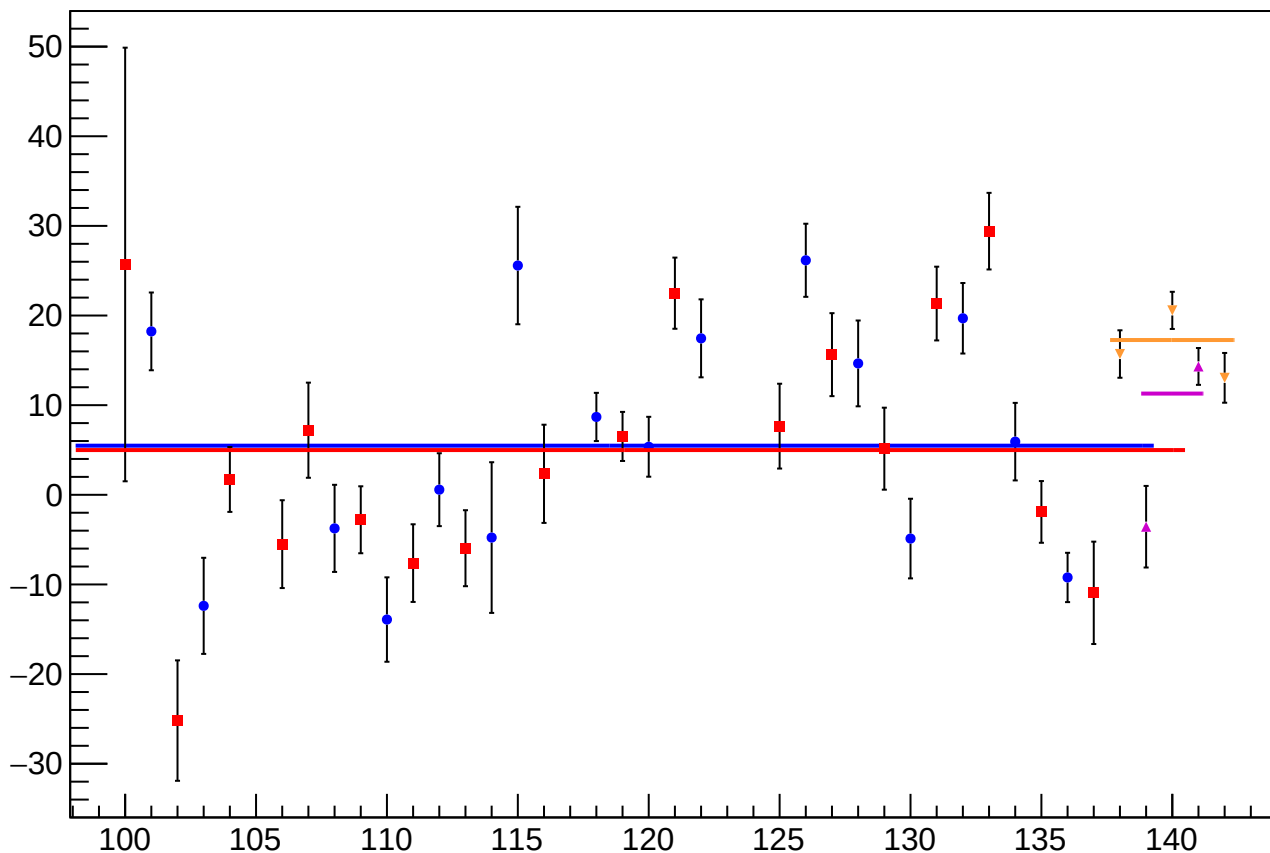
Left In: -41.068+/-1.875 χ^2 /NDF:51.8/1

+ sign 21.963+/-0.831 χ^2 /NDF: 4909.1/18

All: 26.545+/-0.584 χ^2 /NDF: 8371.3/38

- sign 31.022+/-0.822 χ^2 /NDF: 3402.1/19

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: 17.267 ± 1.407 χ^2/NDF : 5.2/2

Right Out: 4.992 ± 1.023 χ^2/NDF : 131.8/17

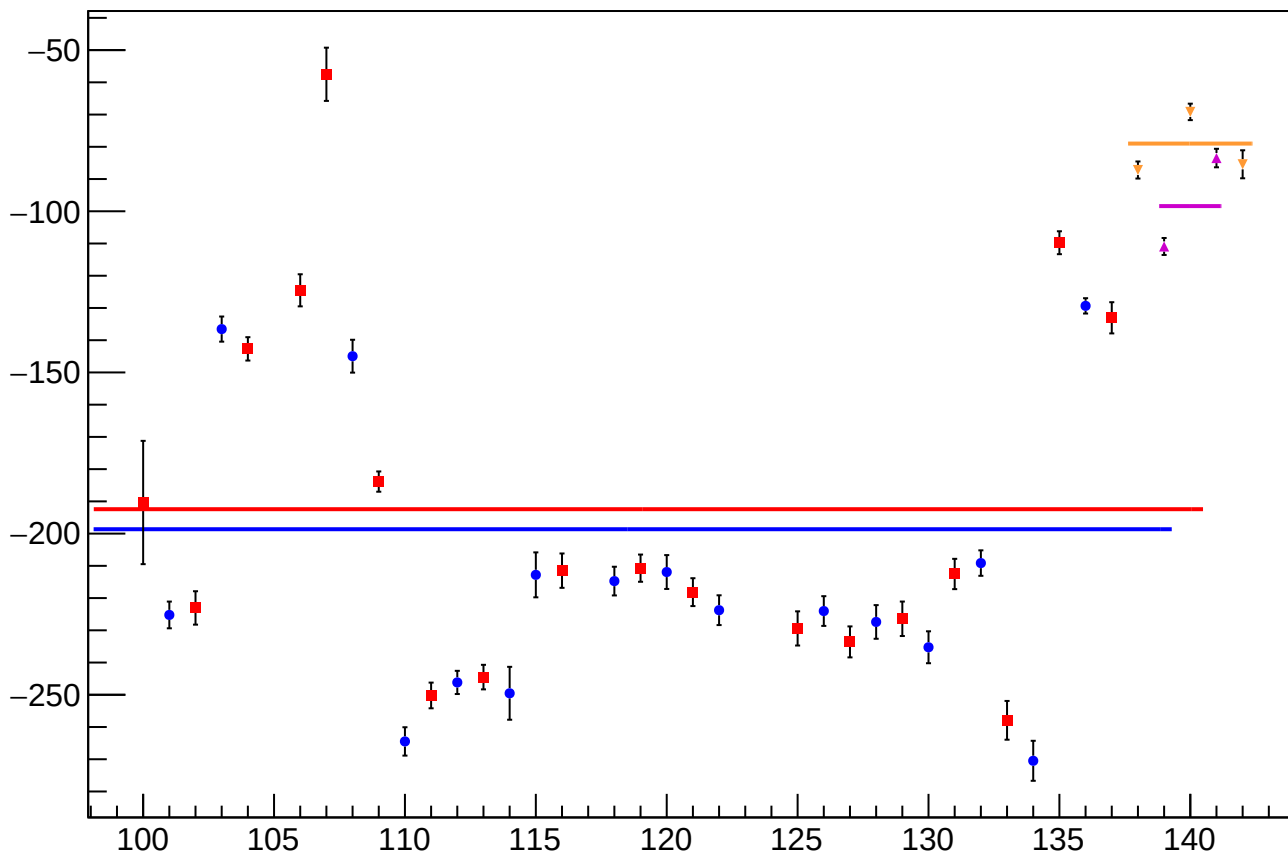
Left In: 11.293 ± 1.873 χ^2/NDF : 12.8/1

+ sign 9.549 ± 0.826 χ^2/NDF : 189.3/18

All: 8.122 ± 0.608 χ^2/NDF : 349.2/38

- sign 6.439 ± 0.897 χ^2/NDF : 153.4/19

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641 ± 1.083 χ^2/NDF : 2002.3/15

Left Out: -79.000 ± 1.692 χ^2/NDF : 26.6/2

Right Out: -192.426 ± 1.080 χ^2/NDF : 2139.0/17

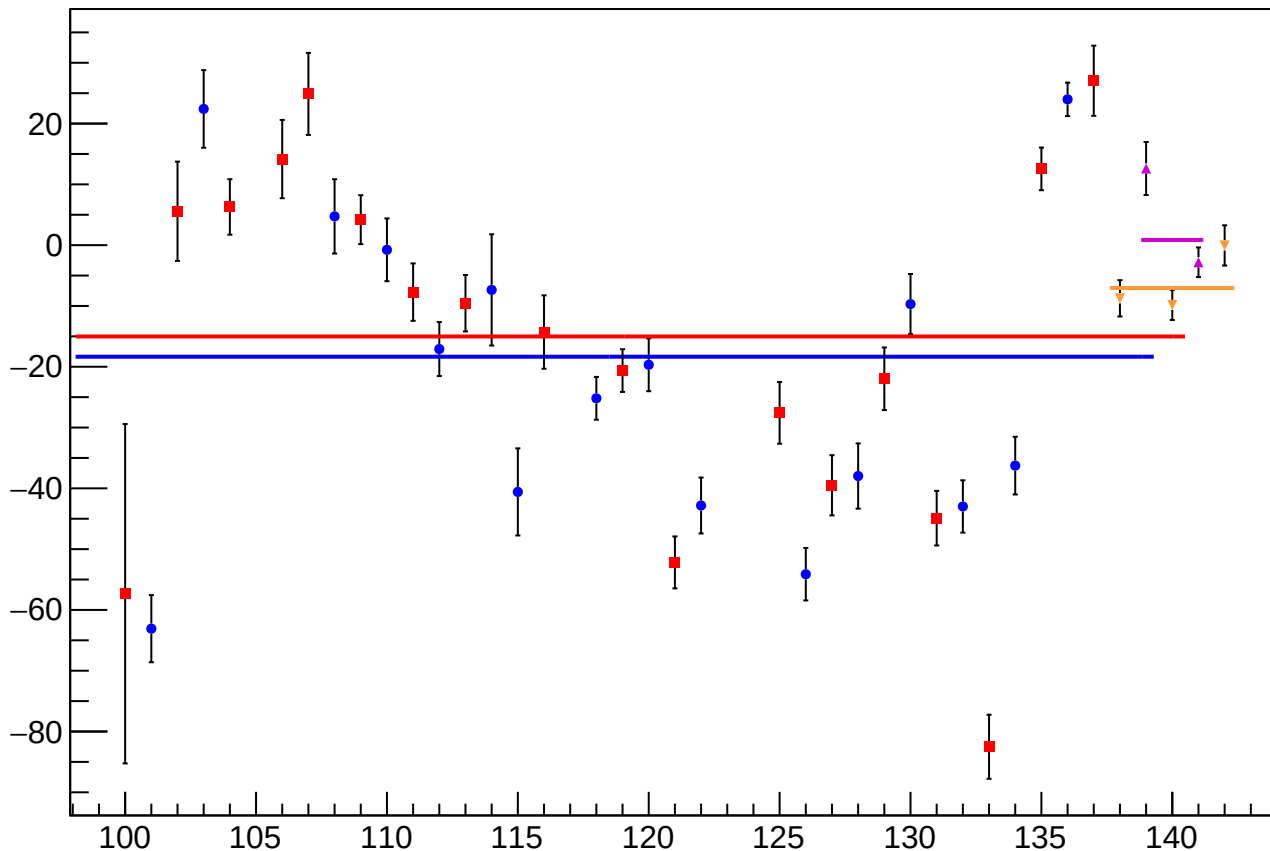
Left In: -98.394 ± 1.940 χ^2/NDF : 49.6/1

+ sign -163.863 ± 0.912 χ^2/NDF : 5573.8/18

All: -166.920 ± 0.656 χ^2/NDF : 9579.4/38

- sign -170.188 ± 0.943 χ^2/NDF : 3982.3/19

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: -7.054 ± 1.653 χ^2/NDF : 6.1/2

Right Out: -15.021 ± 1.162 χ^2/NDF : 546.4/17

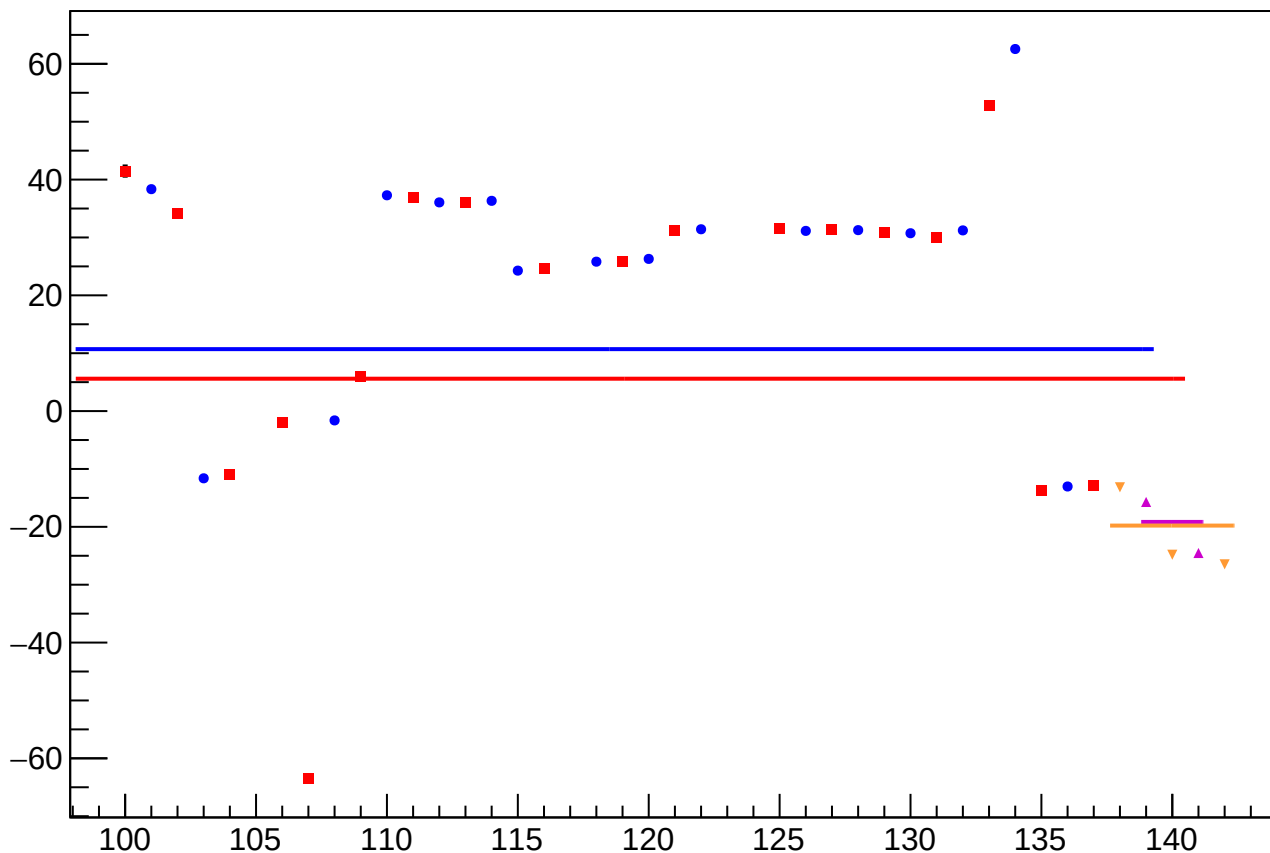
Left In: 0.856 ± 2.128 χ^2/NDF : 9.5/1

+ sign -14.624 ± 0.949 χ^2/NDF : 581.3/18

All: -13.116 ± 0.695 χ^2/NDF : 1185.6/38

- sign -11.376 ± 1.020 χ^2/NDF : 598.8/19

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: -19.784 $\pm$ 0.070 χ^2 /NDF: 7419.1/2

Right Out: 5.595 $\pm$ 0.064 χ^2 /NDF: 154966.4/17

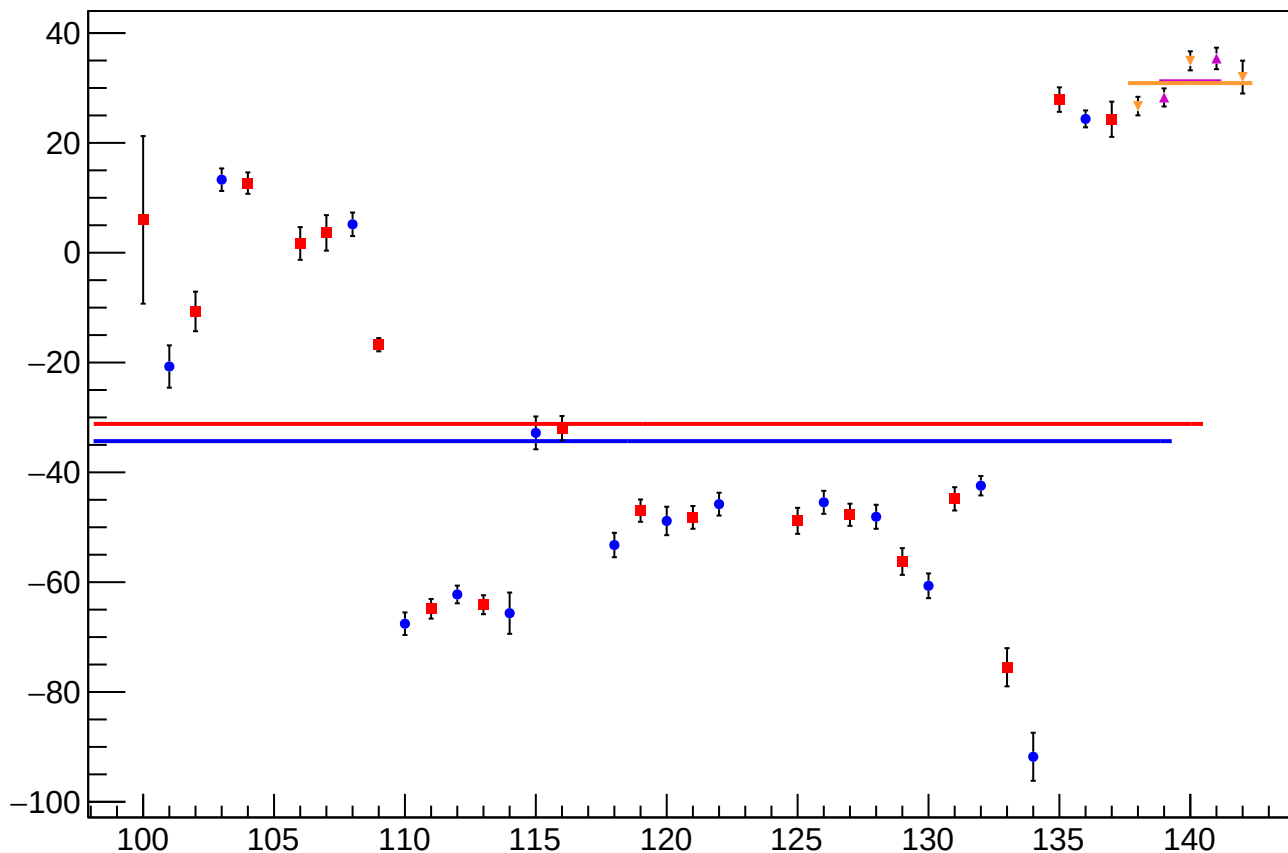
Left In: -19.153 $\pm$ 0.073 χ^2 /NDF: 3456.8/1

+ sign -2.827 $\pm$ 0.047 χ^2 /NDF: 276540.1/18

All: -3.914 $\pm$ 0.034 χ^2 /NDF: 501176.9/38

- sign -5.053 $\pm$ 0.048 χ^2 /NDF: 223537.6/19

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: 30.889 ± 1.123 χ^2/NDF : 11.7/2

Right Out: -31.175 ± 0.516 χ^2/NDF : 3200.4/17

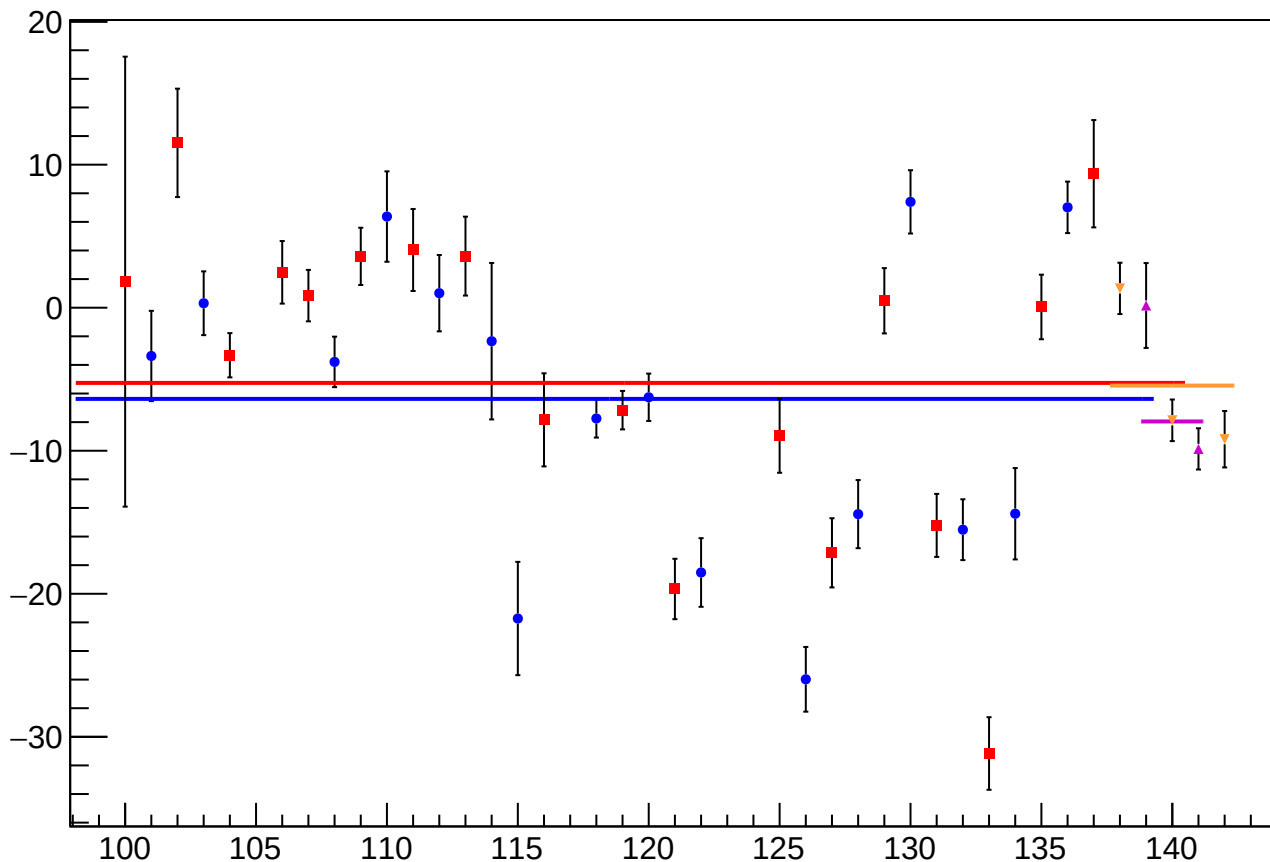
Left In: 31.213 ± 1.261 χ^2/NDF : 7.7/1

+ sign -21.780 ± 0.492 χ^2/NDF : 6235.9/18

All: -22.013 ± 0.343 χ^2/NDF : 11542.2/38

- sign -22.232 ± 0.477 χ^2/NDF : 5305.8/19

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -6.375 $\pm$ 0.554 χ^2 /NDF: 283.6/15

Left Out: -5.446 $\pm$ 0.981 χ^2 /NDF: 20.7/2

Right Out: -5.256 $\pm$ 0.533 χ^2 /NDF: 312.9/17

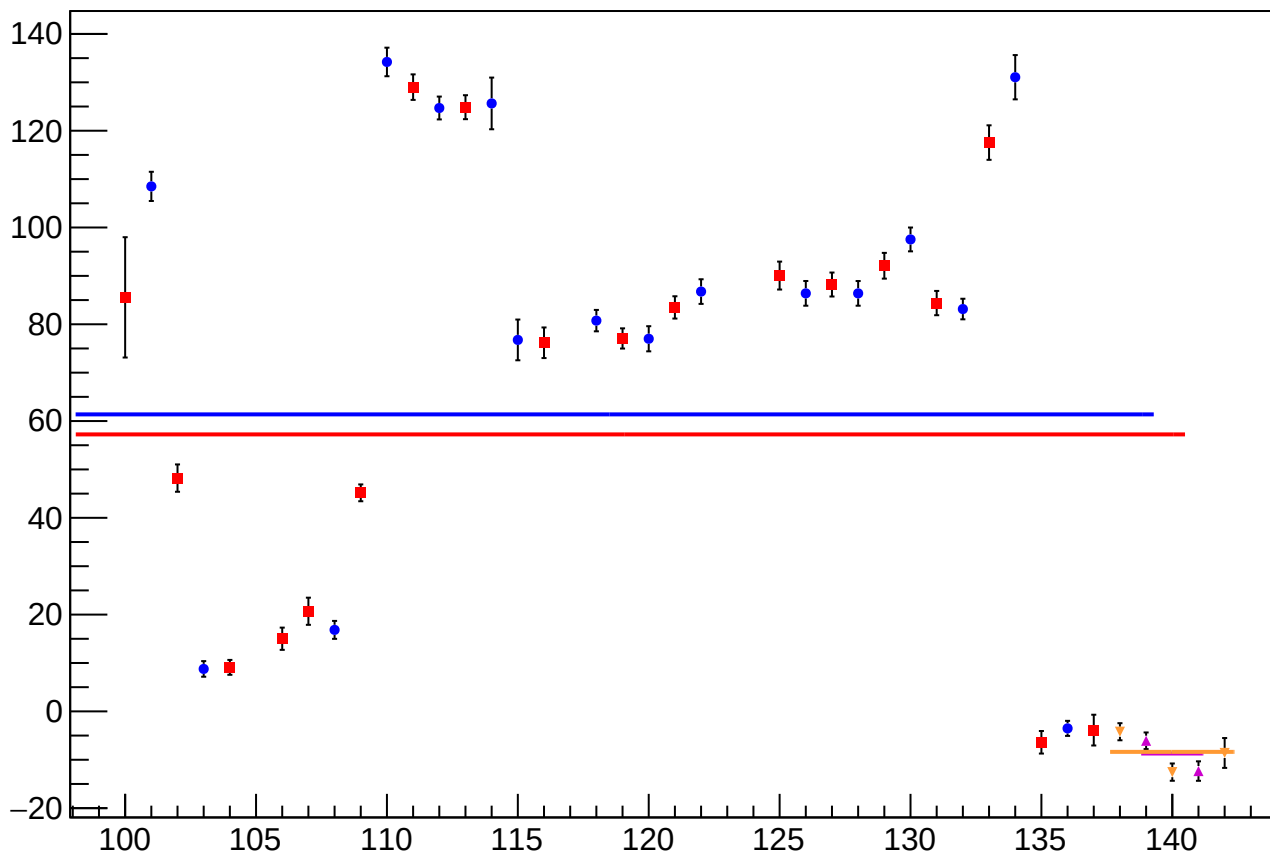
Left In: -7.953 $\pm$ 1.298 χ^2 /NDF: 9.2/1

+ sign -6.151 $\pm$ 0.482 χ^2 /NDF: 305.0/18

All: -5.903 $\pm$ 0.345 χ^2 /NDF: 631.4/38

- sign -5.645 $\pm$ 0.493 χ^2 /NDF: 325.9/19

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: -8.369+/-1.163 χ^2 /NDF: 11.1/2

Right Out: 57.240+/-0.580 χ^2 /NDF: 5267.5/17

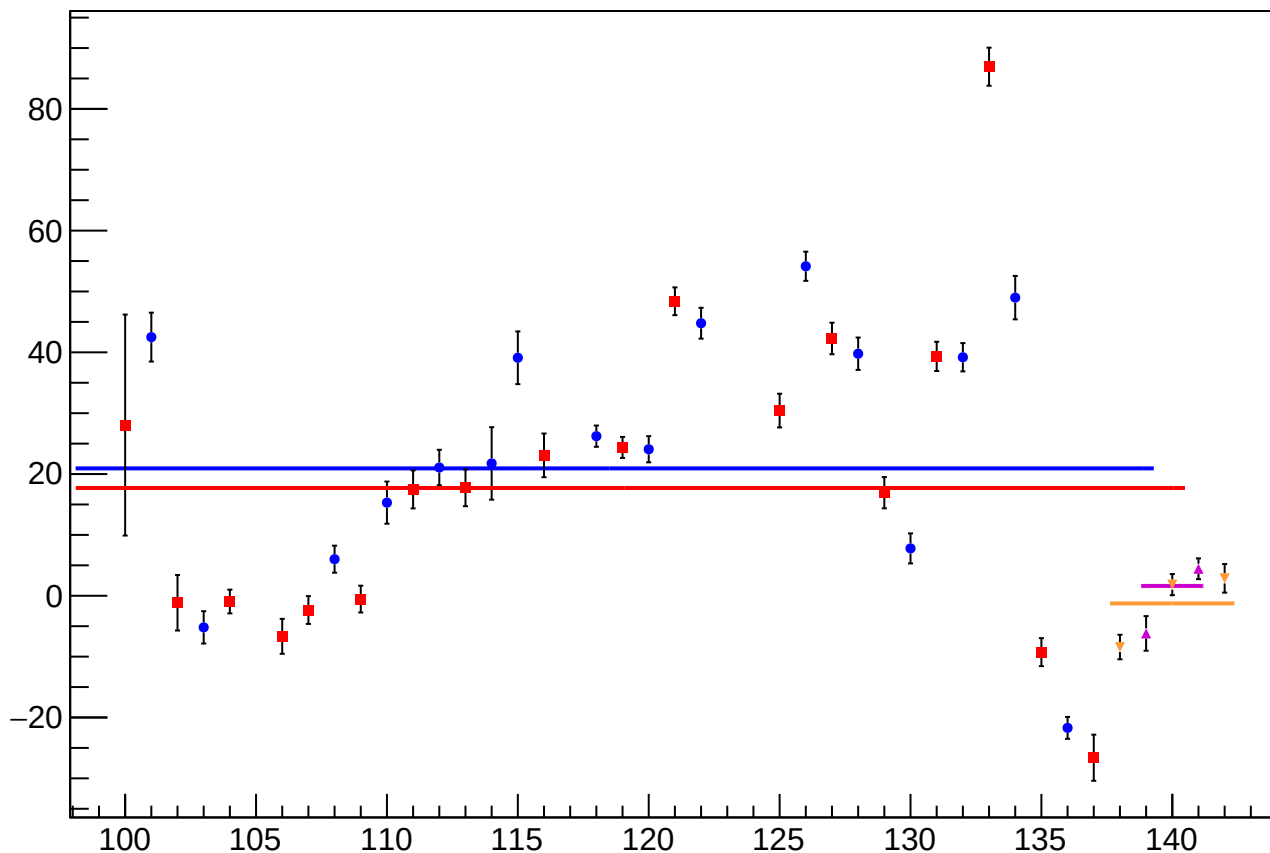
Left In: -8.711+/-1.305 χ^2 /NDF: 5.6/1

+ sign 46.934+/-0.529 χ^2 /NDF: 8929.9/18

All: 46.649+/-0.375 χ^2 /NDF: 16334.7/38

- sign 46.362+/-0.530 χ^2 /NDF: 7404.2/19

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: -1.257+/-1.149 χ^2/NDF : 18.9/2

Right Out: 17.711+/-0.618 χ^2/NDF : 1481.9/17

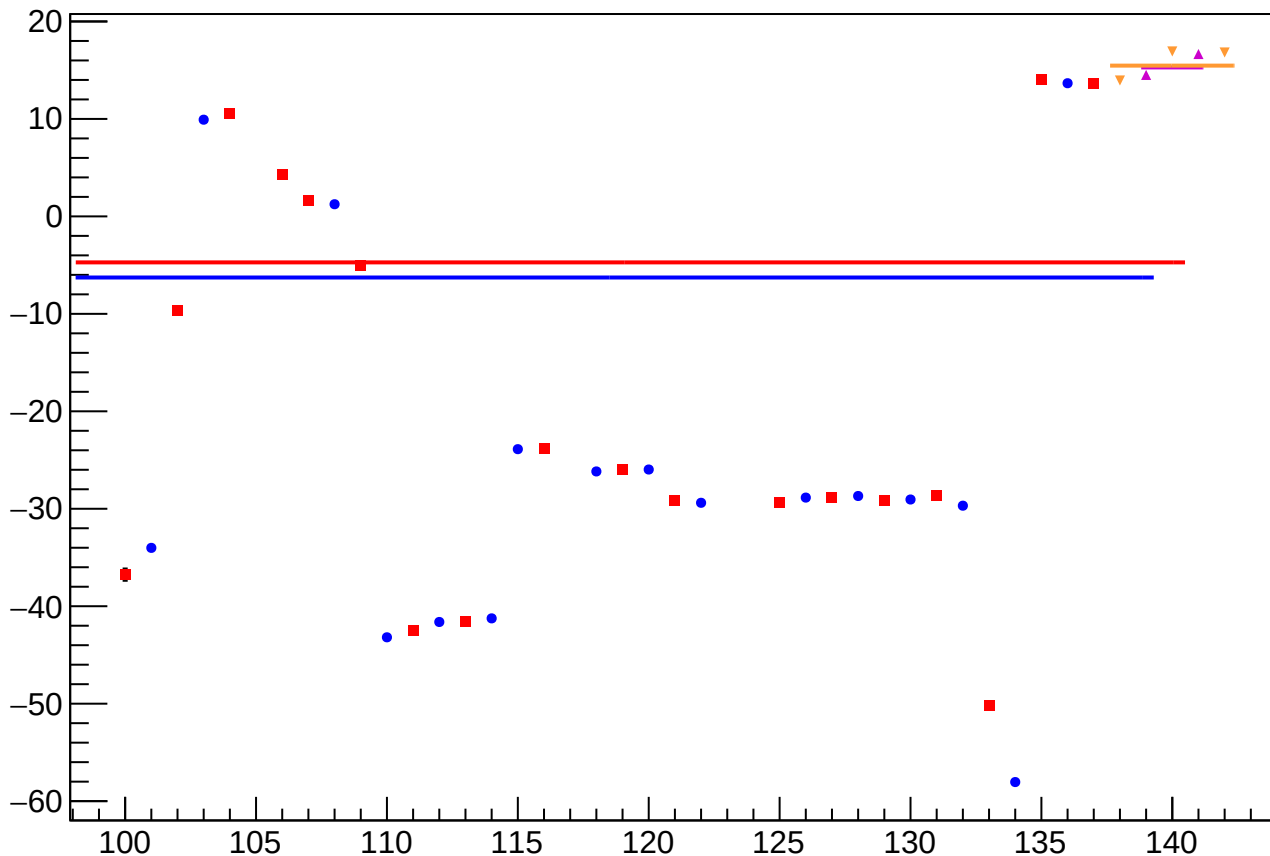
Left In: 1.616+/-1.466 χ^2/NDF : 10.2/1

+ sign 15.674+/-0.559 χ^2/NDF : 1549.0/18

All: 15.481+/-0.399 χ^2/NDF : 3143.7/38

- sign 15.281+/-0.570 χ^2/NDF : 1594.5/19

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.271 ± 0.033 χ^2/NDF : 410461.0/15

Left Out: 15.470 ± 0.048 χ^2/NDF : 937.7/2

Right Out: -4.720 ± 0.034 χ^2/NDF : 306663.6/17

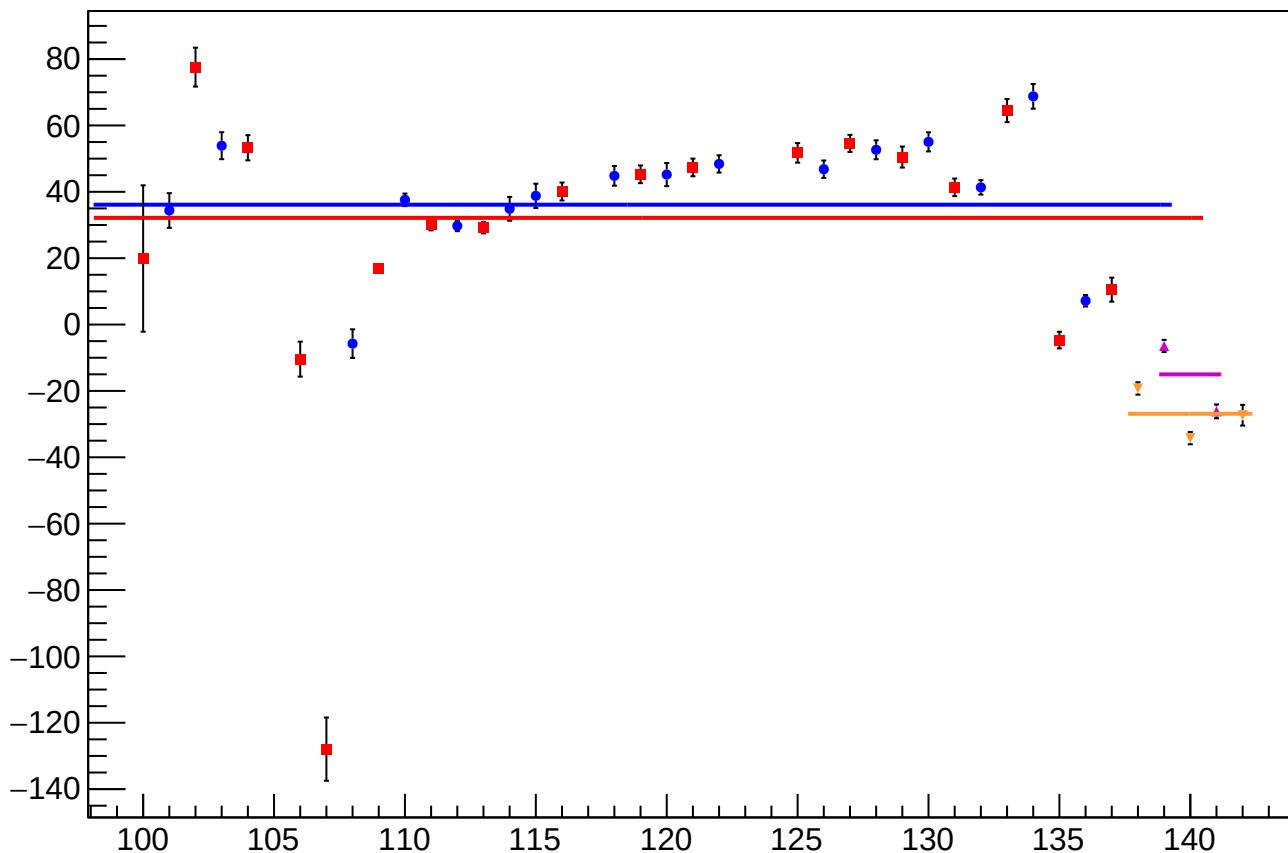
Left In: 15.284 ± 0.049 χ^2/NDF : 439.1/1

+ sign 0.795 ± 0.027 χ^2/NDF : 548970.4/18

All: 1.240 ± 0.020 χ^2/NDF : 969678.5/38

- sign 1.695 ± 0.028 χ^2/NDF : 420176.4/19

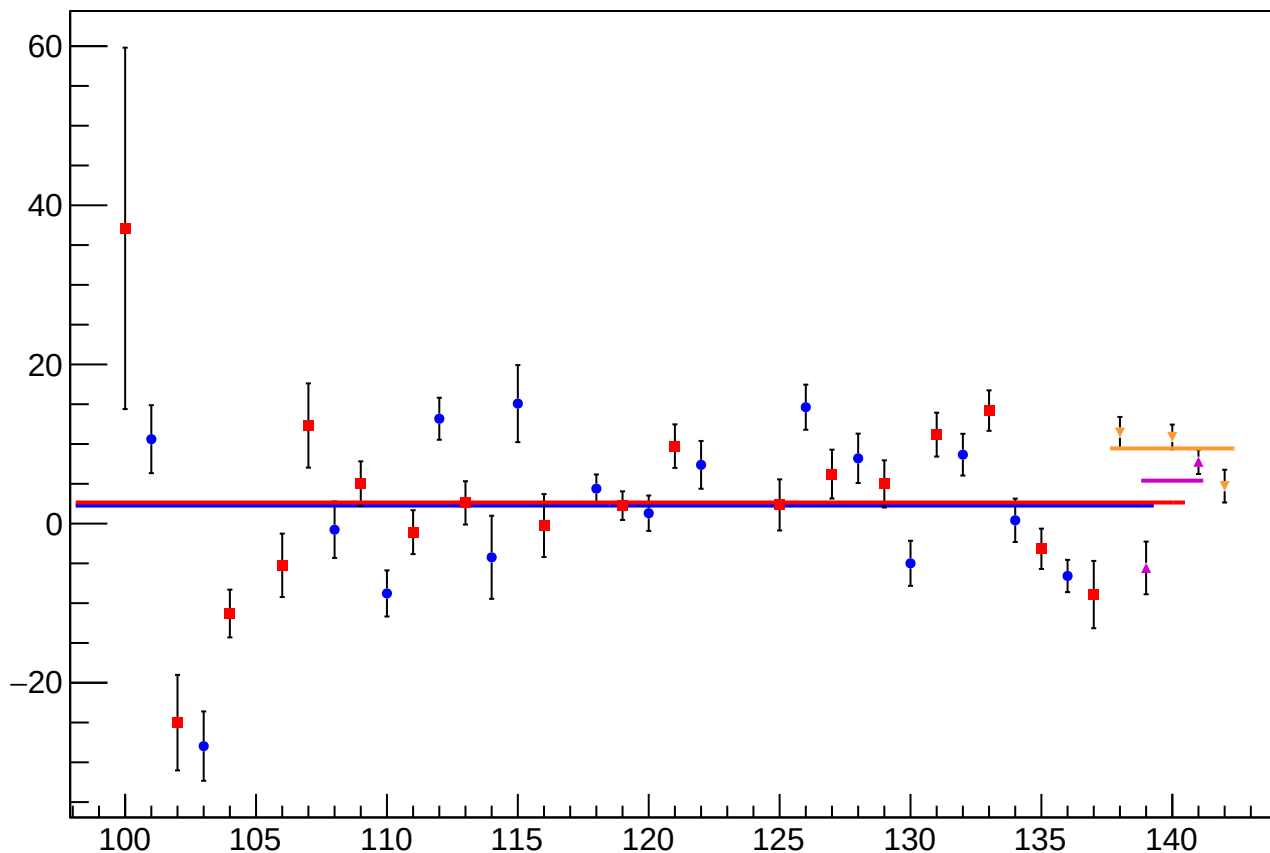
reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.118 ± 0.656 $\chi^2/\text{NDF}: 622.8/15$
 Left Out: -26.896 ± 1.212 $\chi^2/\text{NDF}: 32.5/2$
 Right Out: 32.150 ± 0.631 $\chi^2/\text{NDF}: 1114.6/17$
 Left In: -15.016 ± 1.380 $\chi^2/\text{NDF}: 50.1/1$

+ sign 21.820 ± 0.577 $\chi^2/\text{NDF}: 2746.2/18$
 All: 22.916 ± 0.407 $\chi^2/\text{NDF}: 4884.9/38$
 - sign 23.999 ± 0.574 $\chi^2/\text{NDF}: 2131.5/19$

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265 $\pm$ 0.701 χ^2 /NDF: 152.0/15

Left Out: 9.446 $\pm$ 1.048 χ^2 /NDF:7.2/2

Right Out: 2.651 $\pm$ 0.715 χ^2 /NDF: 107.2/17

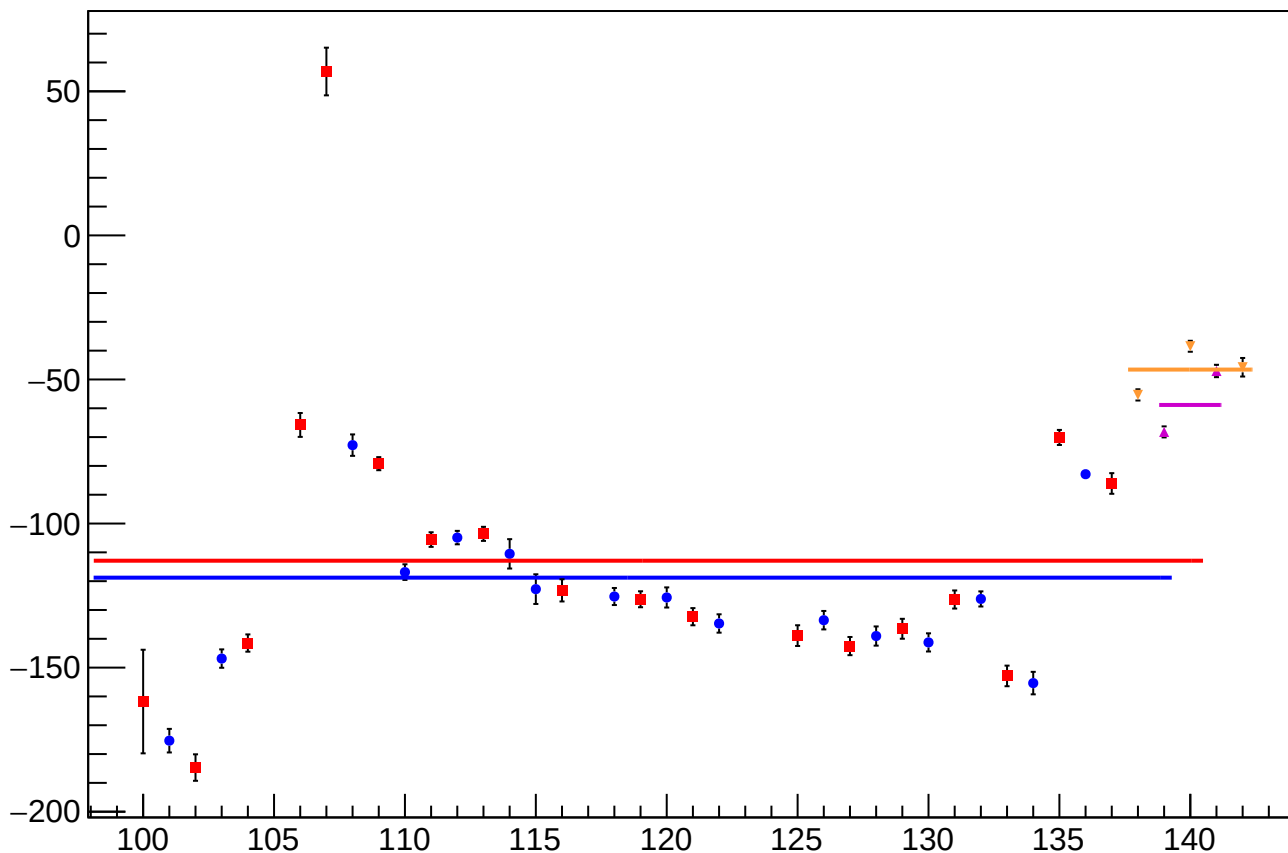
Left In: 5.396 $\pm$ 1.395 χ^2 /NDF:13.4/1

+ sign 4.487 $\pm$ 0.583 χ^2 /NDF: 191.6/18

All: 3.911 $\pm$ 0.430 χ^2 /NDF: 317.4/38

- sign 3.223 $\pm$ 0.637 χ^2 /NDF: 123.6/19

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778+/-0.757 χ^2/NDF : 1119.5/15

Left Out: -46.567+/-1.255 χ^2/NDF : 38.4/2

Right Out: -112.899+/-0.761 χ^2/NDF : 1862.9/17

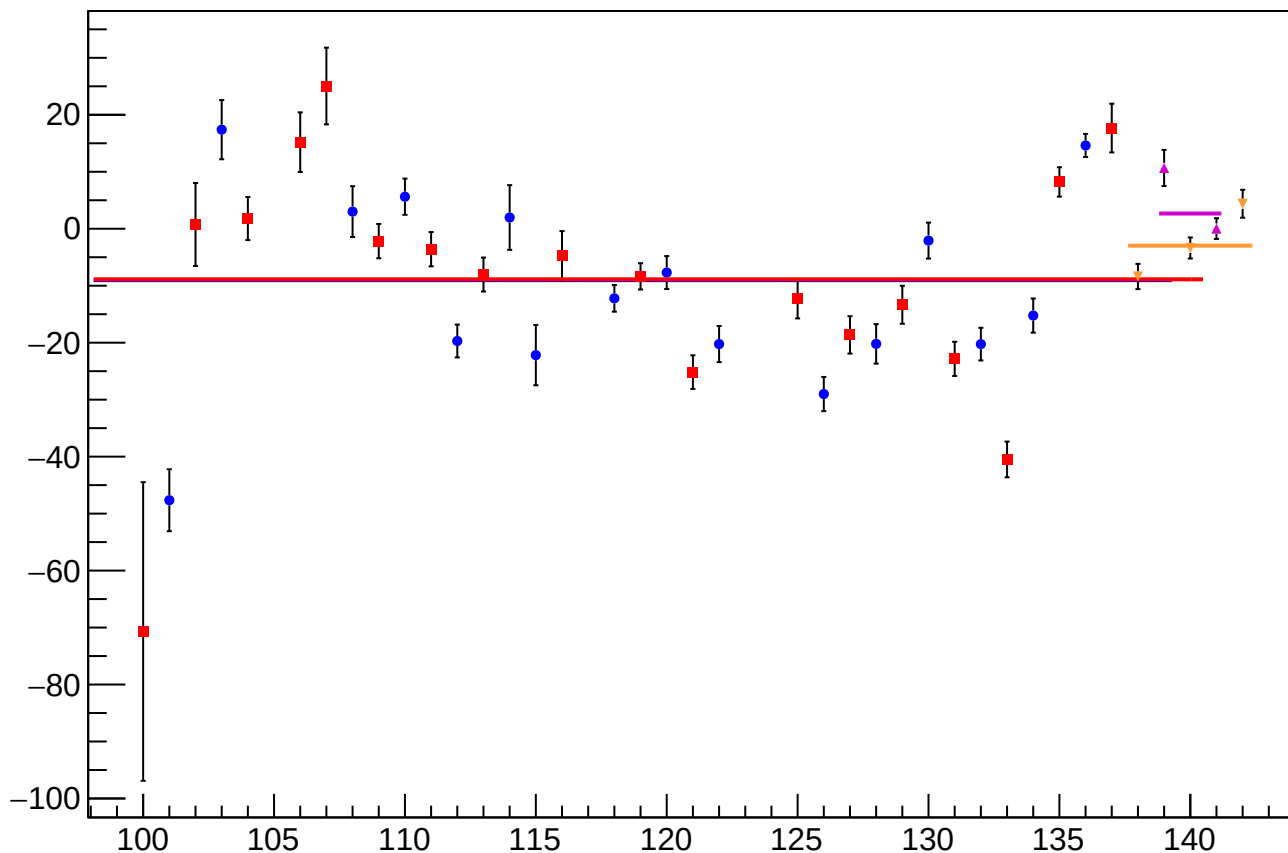
Left In: -58.846+/-1.428 χ^2/NDF : 54.1/1

+ sign -99.511+/-0.648 χ^2/NDF : 3587.0/18

All: -100.202+/-0.466 χ^2/NDF : 6622.2/38

- sign -100.945+/-0.672 χ^2/NDF : 3032.8/19

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: -2.970 ± 1.230 χ^2/NDF : 15.0/2

Right Out: -8.878 ± 0.810 χ^2/NDF : 318.7/17

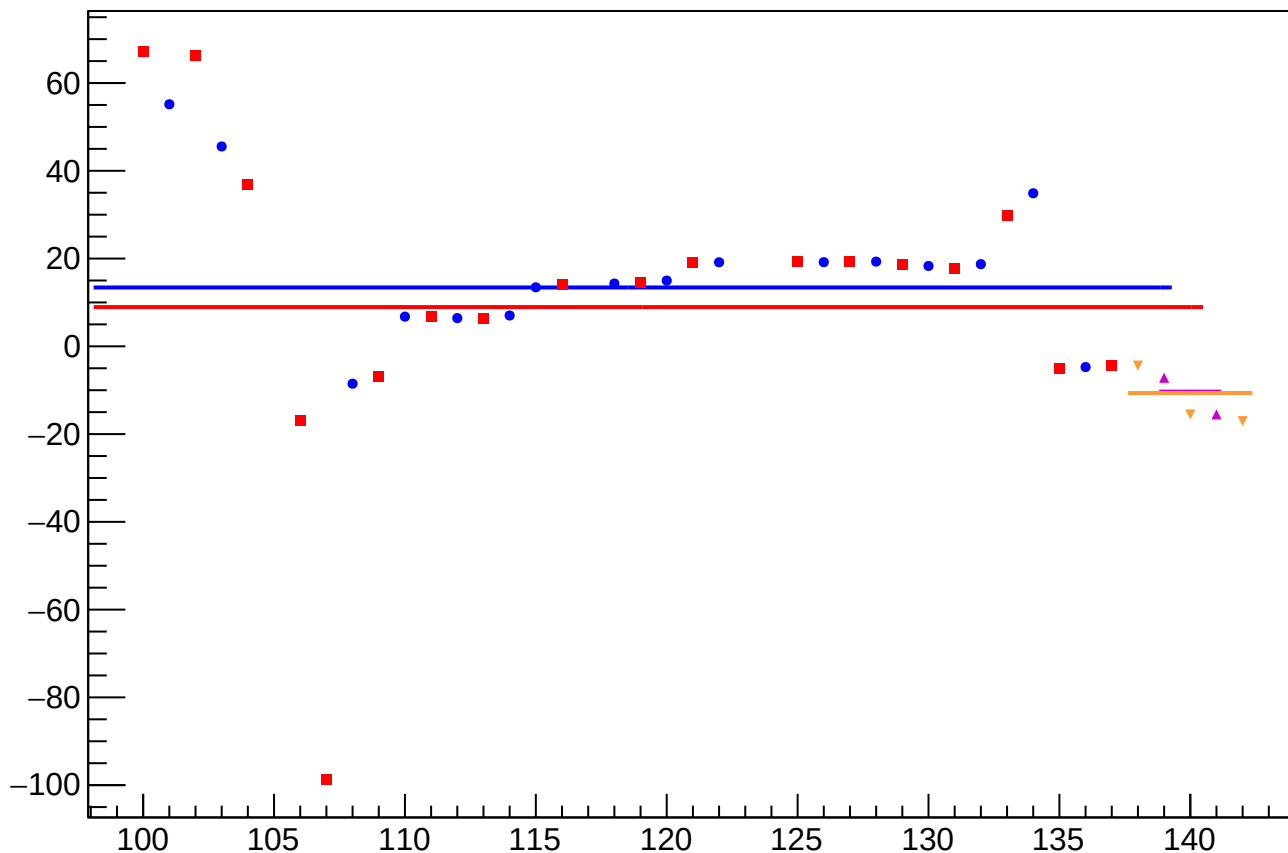
Left In: 2.673 ± 1.582 χ^2/NDF : 8.5/1

+ sign -7.236 ± 0.668 χ^2/NDF : 390.1/18

All: -6.885 ± 0.490 χ^2/NDF : 760.1/38

- sign -6.476 ± 0.721 χ^2/NDF : 369.4/19

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 13.412 $\pm$ 0.045 χ^2 /NDF: 183707.4/15

Left Out: -10.644 $\pm$ 0.052 χ^2 /NDF: 12366.0/2

Right Out: 8.943 $\pm$ 0.047 χ^2 /NDF: 291126.5/17

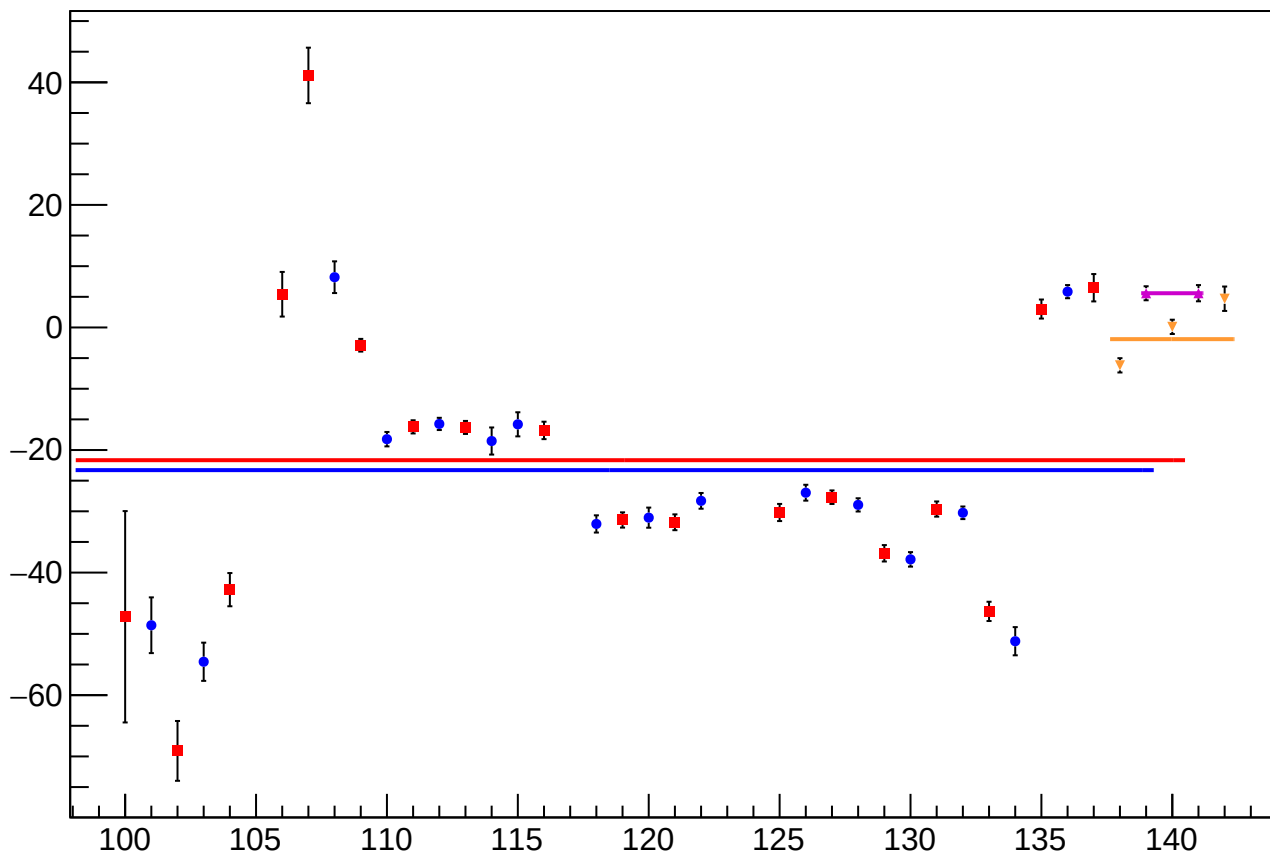
Left In: -10.319 $\pm$ 0.054 χ^2 /NDF: 5660.3/1

+ sign 3.058 $\pm$ 0.034 χ^2 /NDF: 317544.2/18

All: 1.843 $\pm$ 0.025 χ^2 /NDF: 689120.1/38

- sign 0.527 $\pm$ 0.036 χ^2 /NDF: 368941.9/19

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: -1.906 ± 0.762 χ^2/NDF : 27.3/2

Right Out: -21.660 ± 0.347 χ^2/NDF : 1813.6/17

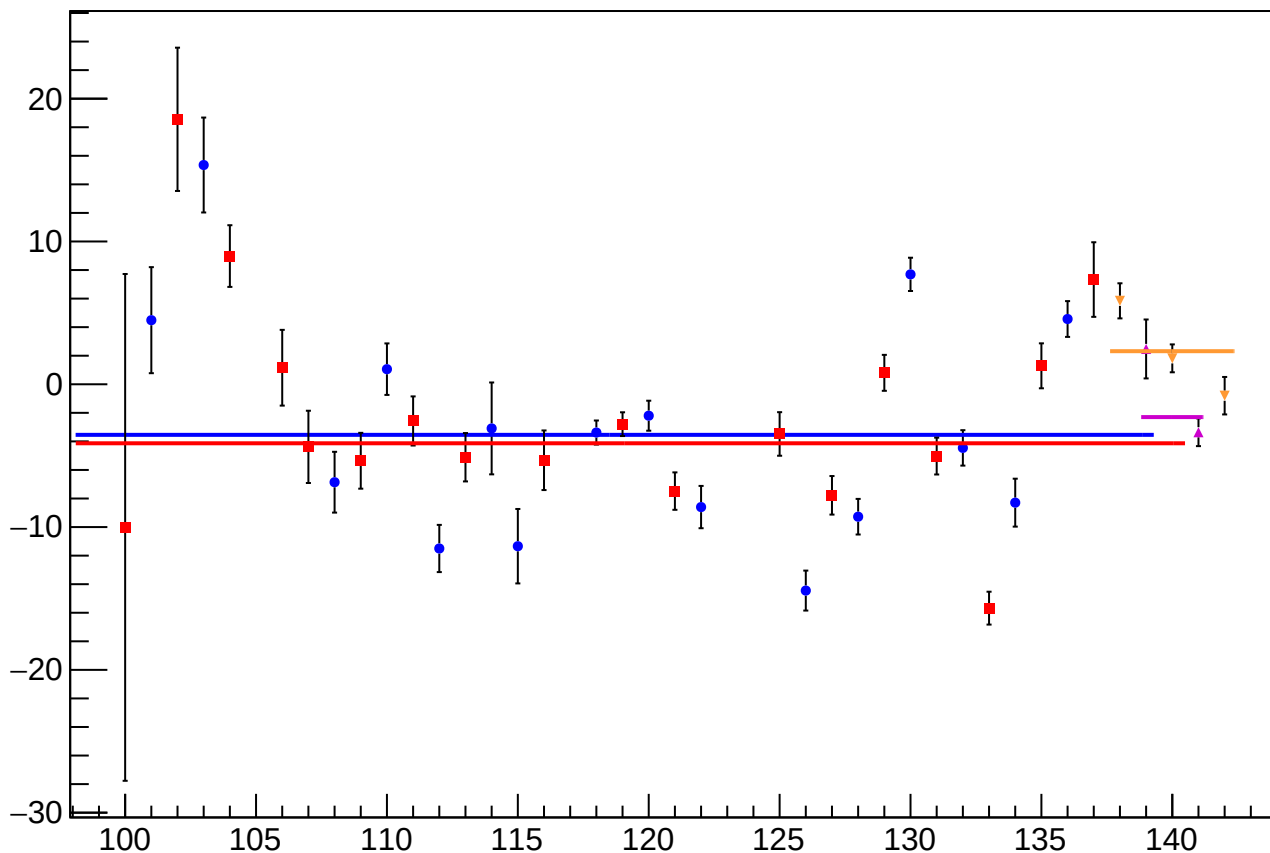
Left In: 5.586 ± 0.865 χ^2/NDF : 0.0/1

+ sign -19.552 ± 0.318 χ^2/NDF : 2244.5/18

All: -18.726 ± 0.227 χ^2/NDF : 4925.5/38

- sign -17.879 ± 0.322 χ^2/NDF : 2667.4/19

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: 2.317 ± 0.661 χ^2/NDF : 14.1/2

Right Out: -4.132 ± 0.371 χ^2/NDF : 227.4/17

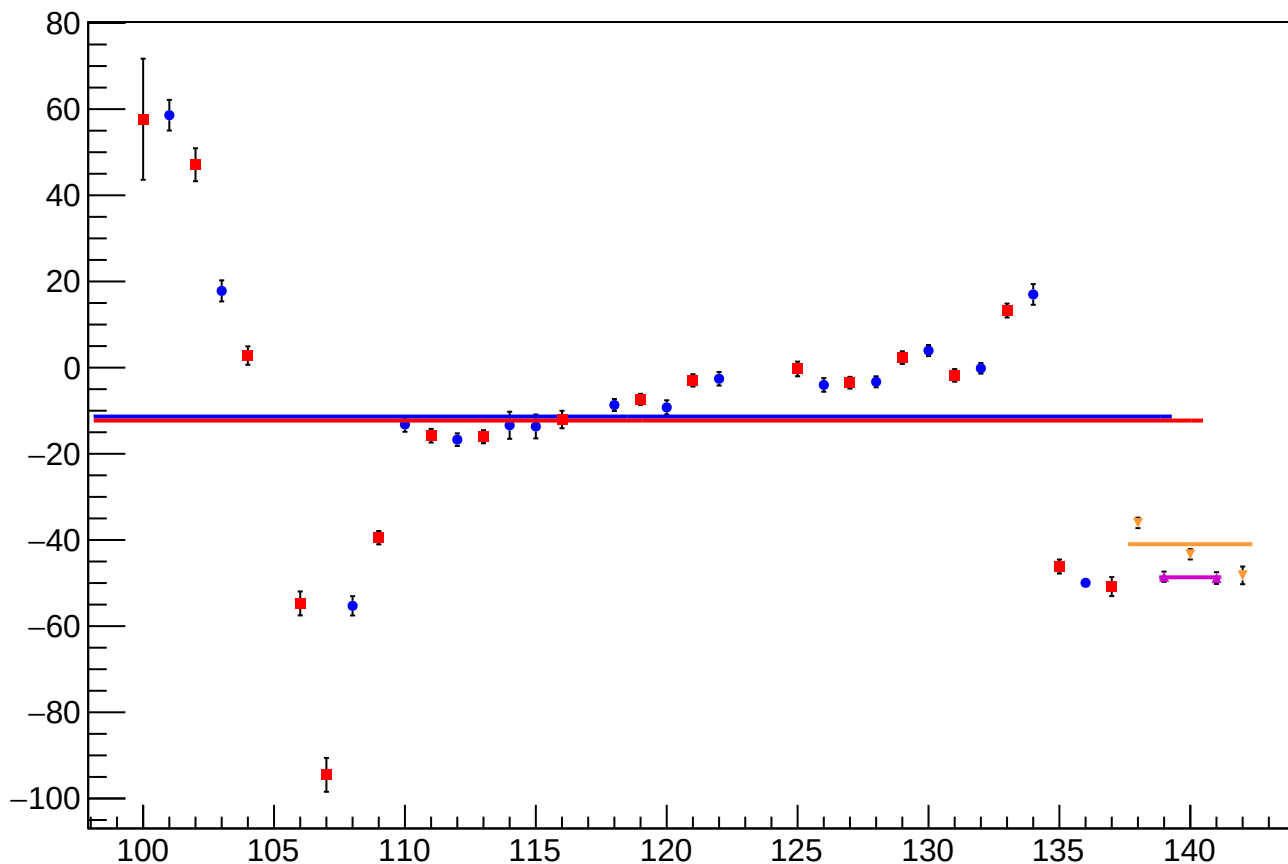
Left In: -2.298 ± 0.880 χ^2/NDF : 6.5/1

+ sign -2.185 ± 0.318 χ^2/NDF : 391.3/18

All: -2.960 ± 0.233 χ^2/NDF : 641.8/38

- sign -3.856 ± 0.342 χ^2/NDF : 237.7/19

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: -40.985 ± 0.789 χ^2/NDF : 32.7/2

Right Out: -12.281 ± 0.413 χ^2/NDF : 2590.4/17

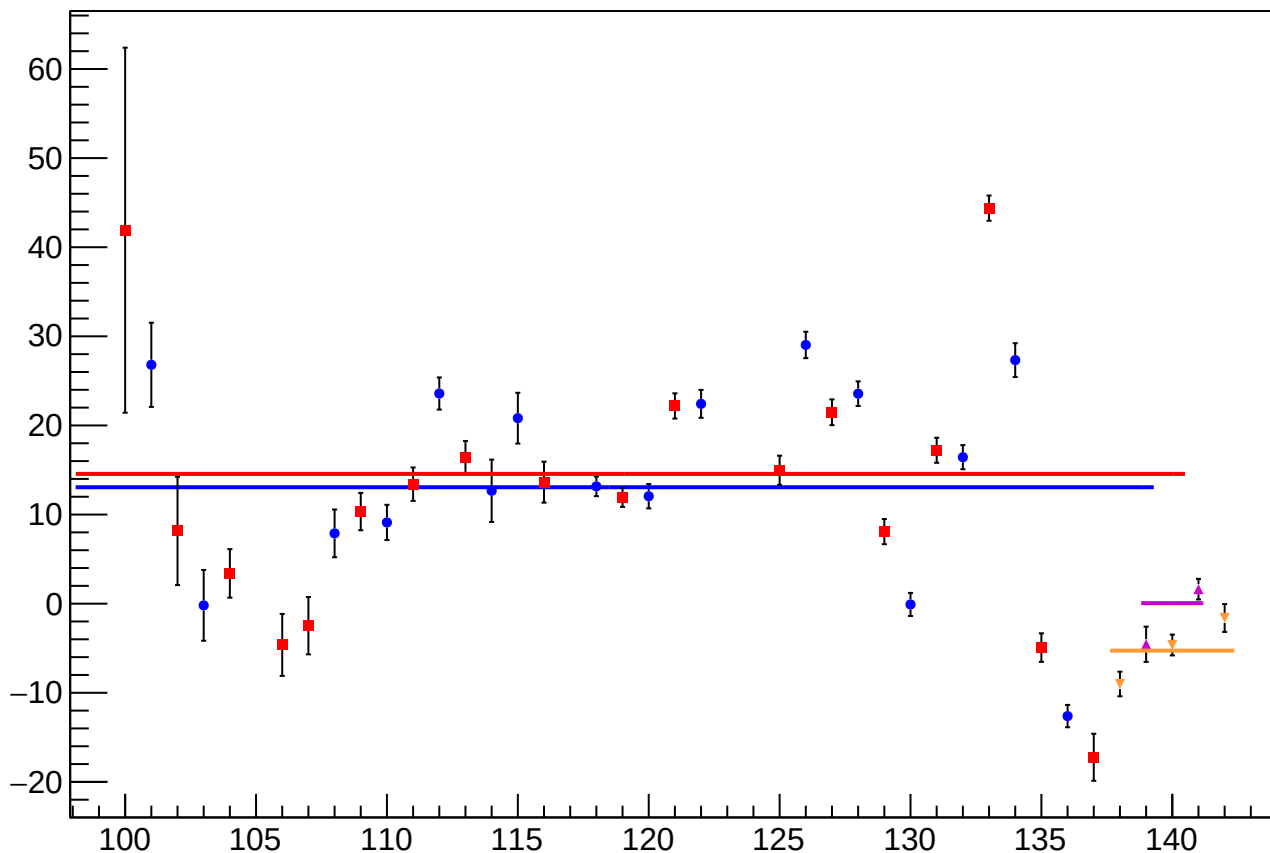
Left In: -48.669 ± 0.896 χ^2/NDF : 0.0/1

+ sign -17.547 ± 0.361 χ^2/NDF : 3809.2/18

All: -18.084 ± 0.260 χ^2/NDF : 7764.9/38

- sign -18.664 ± 0.375 χ^2/NDF : 3951.1/19

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: -5.268 $\pm$ 0.775 χ^2 /NDF:13.1/2

Right Out: 14.563 $\pm$ 0.423 χ^2 /NDF: 903.1/17

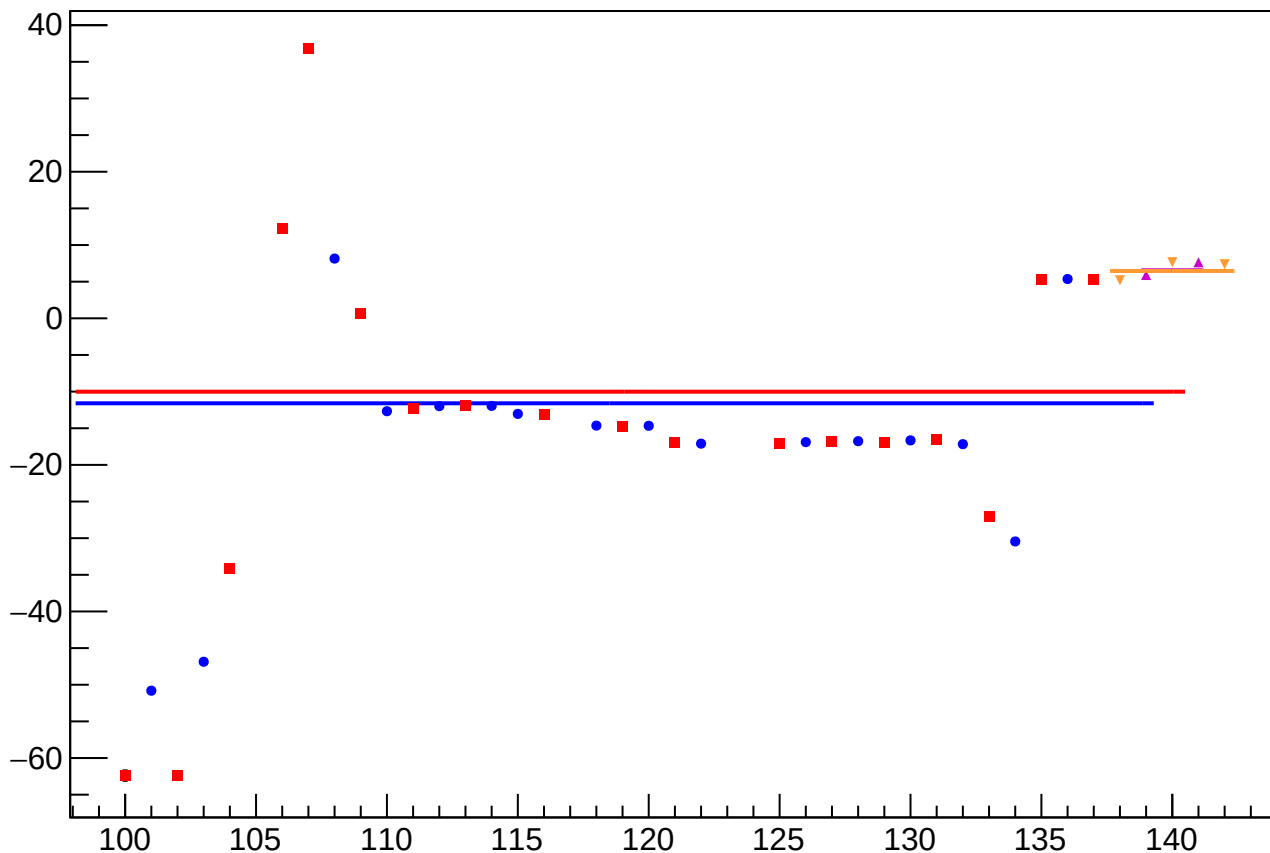
Left In: 0.061 $\pm$ 0.997 χ^2 /NDF:7.3/1

+ sign 8.985 $\pm$ 0.366 χ^2 /NDF: 1311.6/18

All: 10.565 $\pm$ 0.266 χ^2 /NDF: 2441.3/38

- sign 12.354 $\pm$ 0.389 χ^2 /NDF: 1089.9/19

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: 6.460 ± 0.033 χ^2/NDF : 1325.8/2

Right Out: -10.012 ± 0.027 χ^2/NDF : 396286.9/17

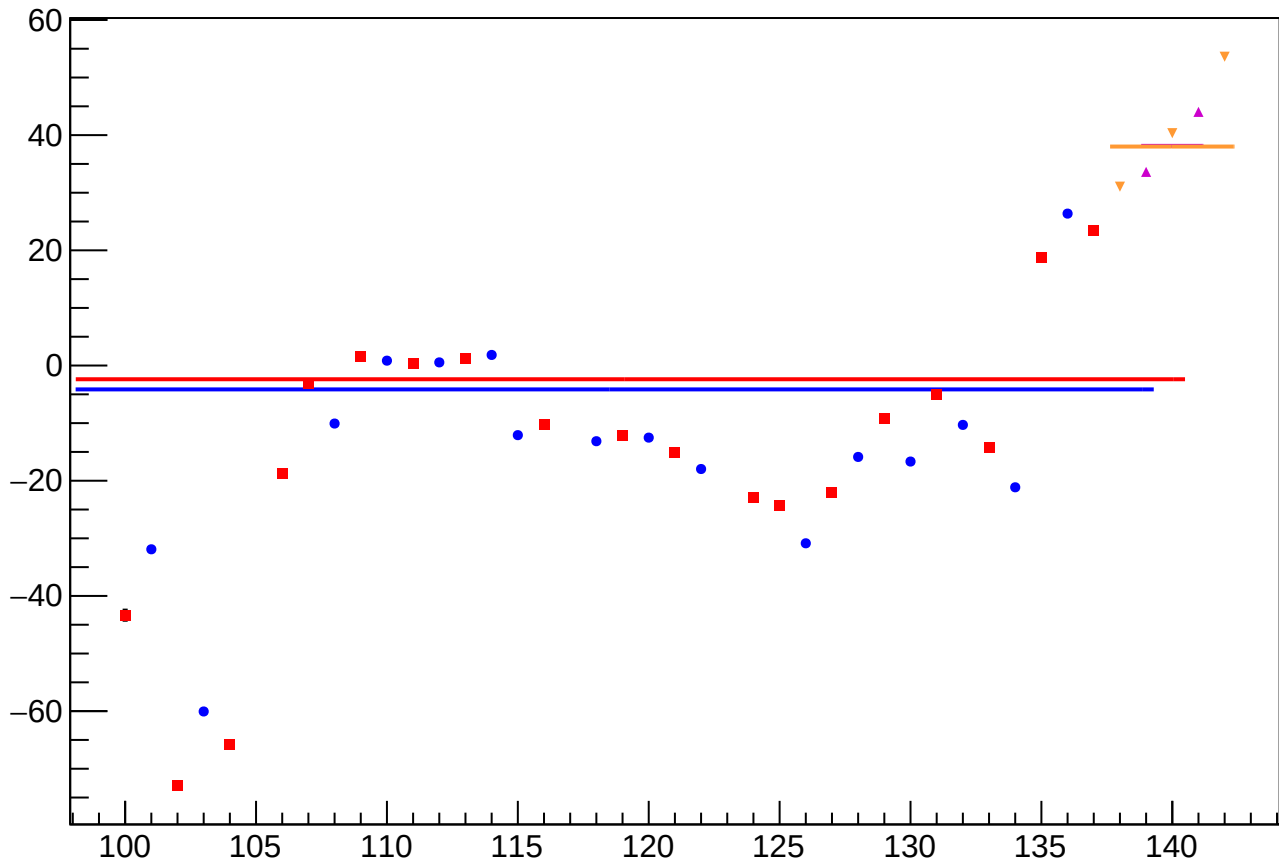
Left In: 6.558 ± 0.034 χ^2/NDF : 612.8/1

+ sign -4.517 ± 0.021 χ^2/NDF : 546505.0/18

All: -3.985 ± 0.015 χ^2/NDF : 1089962.7/38

- sign -3.413 ± 0.021 χ^2/NDF : 542063.4/19

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145 ± 0.055 $\chi^2/\text{NDF}: 75262.7/15$

Left Out: 38.016 ± 0.137 $\chi^2/\text{NDF}: 3216.0/2$

Right Out: -2.382 ± 0.046 $\chi^2/\text{NDF}: 80749.3/18$

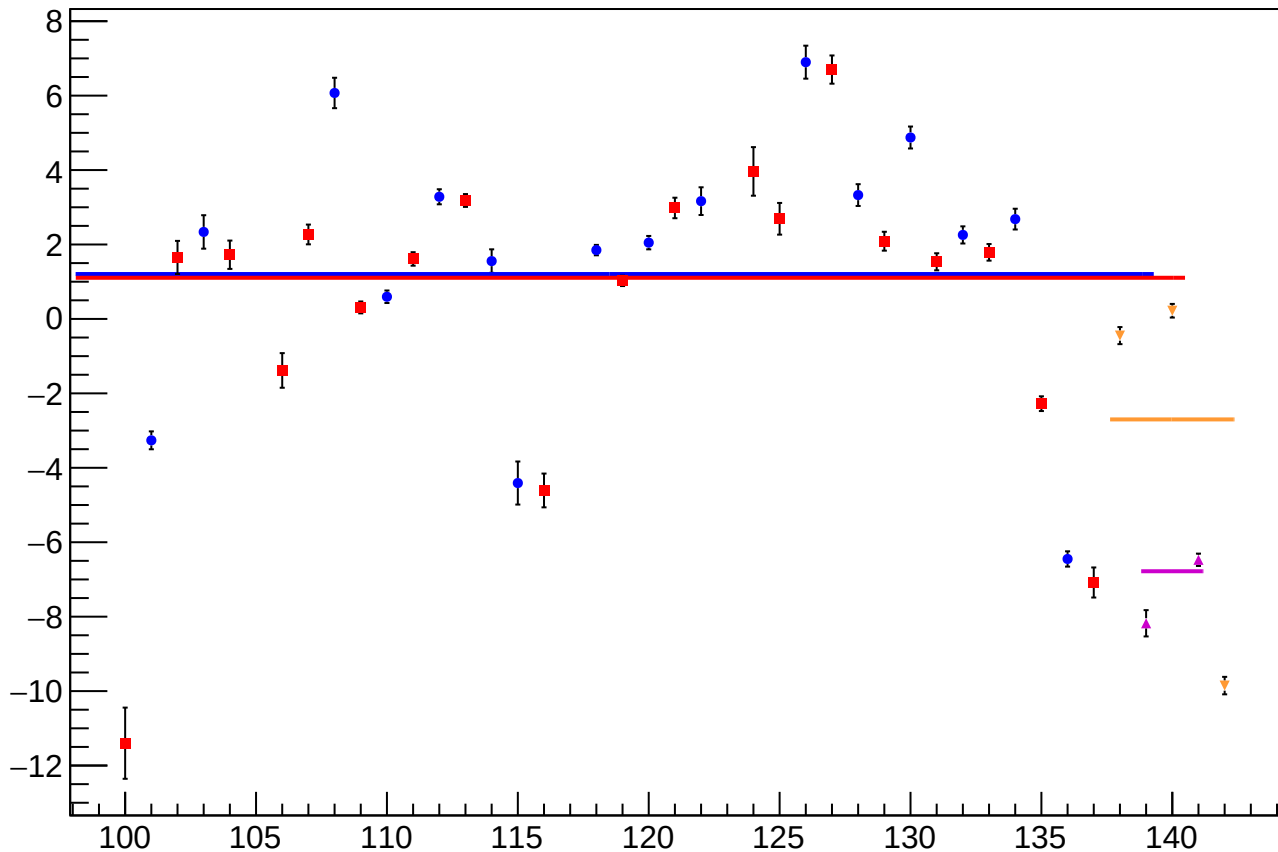
Left In: 38.135 ± 0.148 $\chi^2/\text{NDF}: 1214.8/1$

+ sign 1.618 ± 0.051 $\chi^2/\text{NDF}: 159751.7/18$

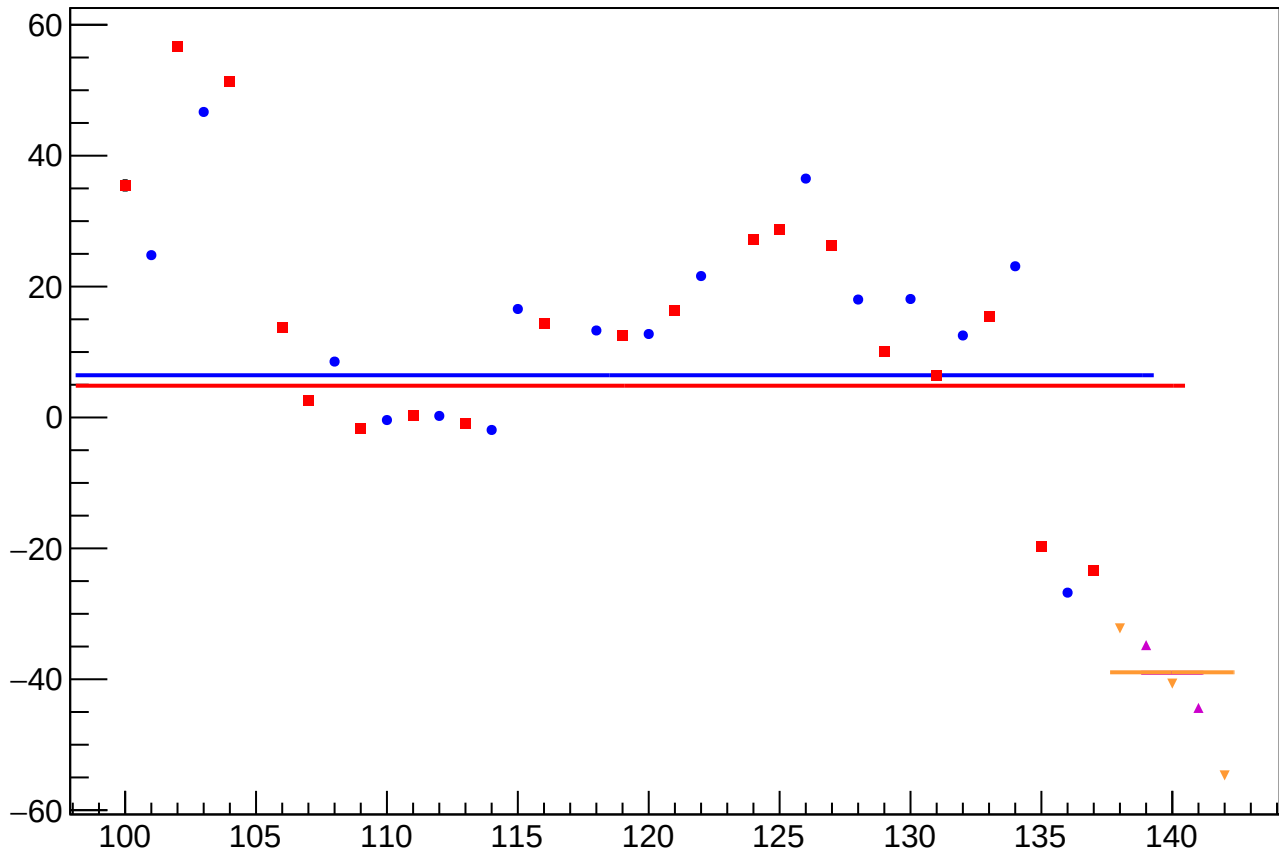
All: 1.380 ± 0.033 $\chi^2/\text{NDF}: 309963.1/39$

- sign 1.201 ± 0.044 $\chi^2/\text{NDF}: 150173.0/20$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453 ± 0.065 χ^2/NDF : 70671.1/15

Left Out: -38.936 ± 0.142 χ^2/NDF : 2908.0/2

Right Out: 4.854 ± 0.059 χ^2/NDF : 75267.0/18

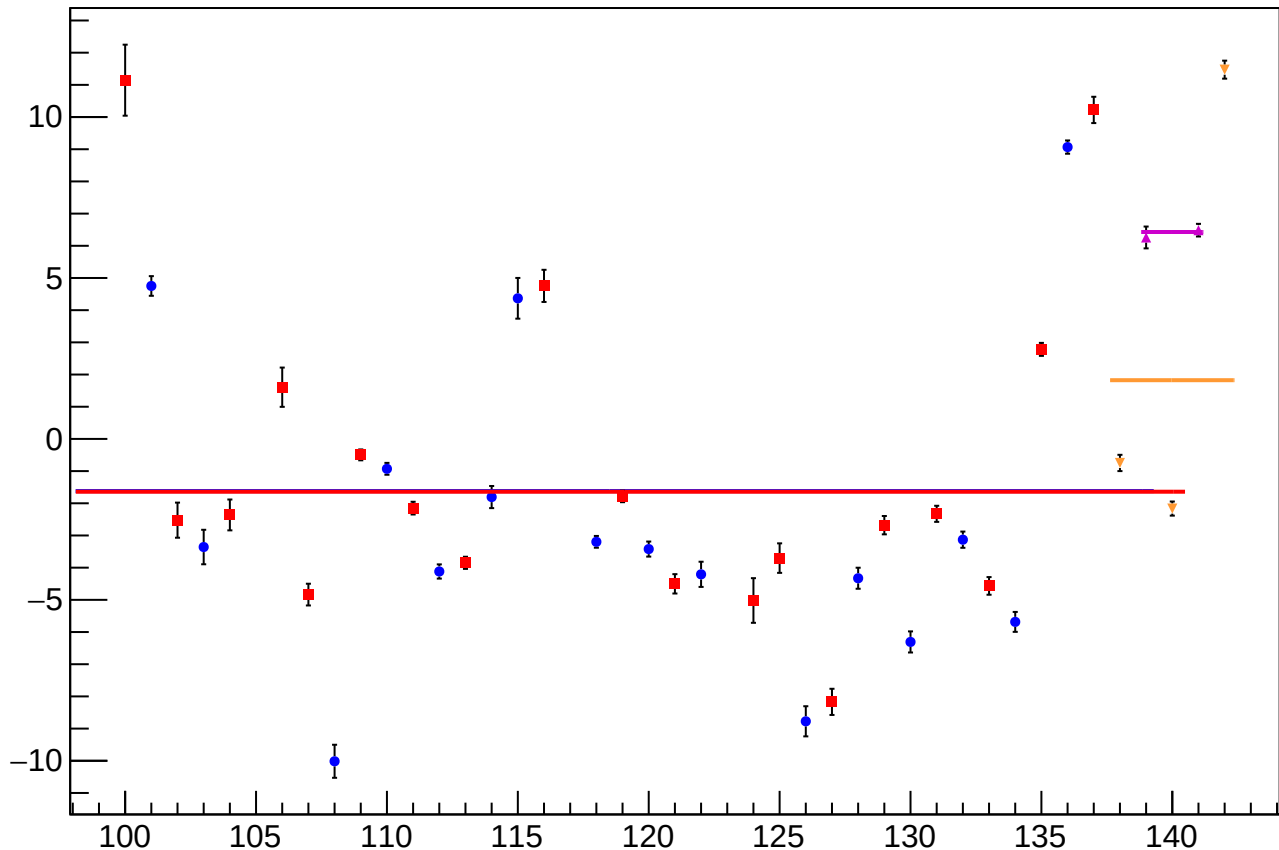
Left In: -39.009 ± 0.153 χ^2/NDF : 965.6/1

+ sign -1.414 ± 0.059 χ^2/NDF : 157539.3/18

All: -1.101 ± 0.040 χ^2/NDF : 305082.0/39

- sign -0.831 ± 0.055 χ^2/NDF : 147491.0/20

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622 ± 0.070 χ^2/NDF : 4525.3/15

Left Out: 1.824 ± 0.142 χ^2/NDF : 1624.2/2

Right Out: -1.640 ± 0.065 χ^2/NDF : 2462.1/18

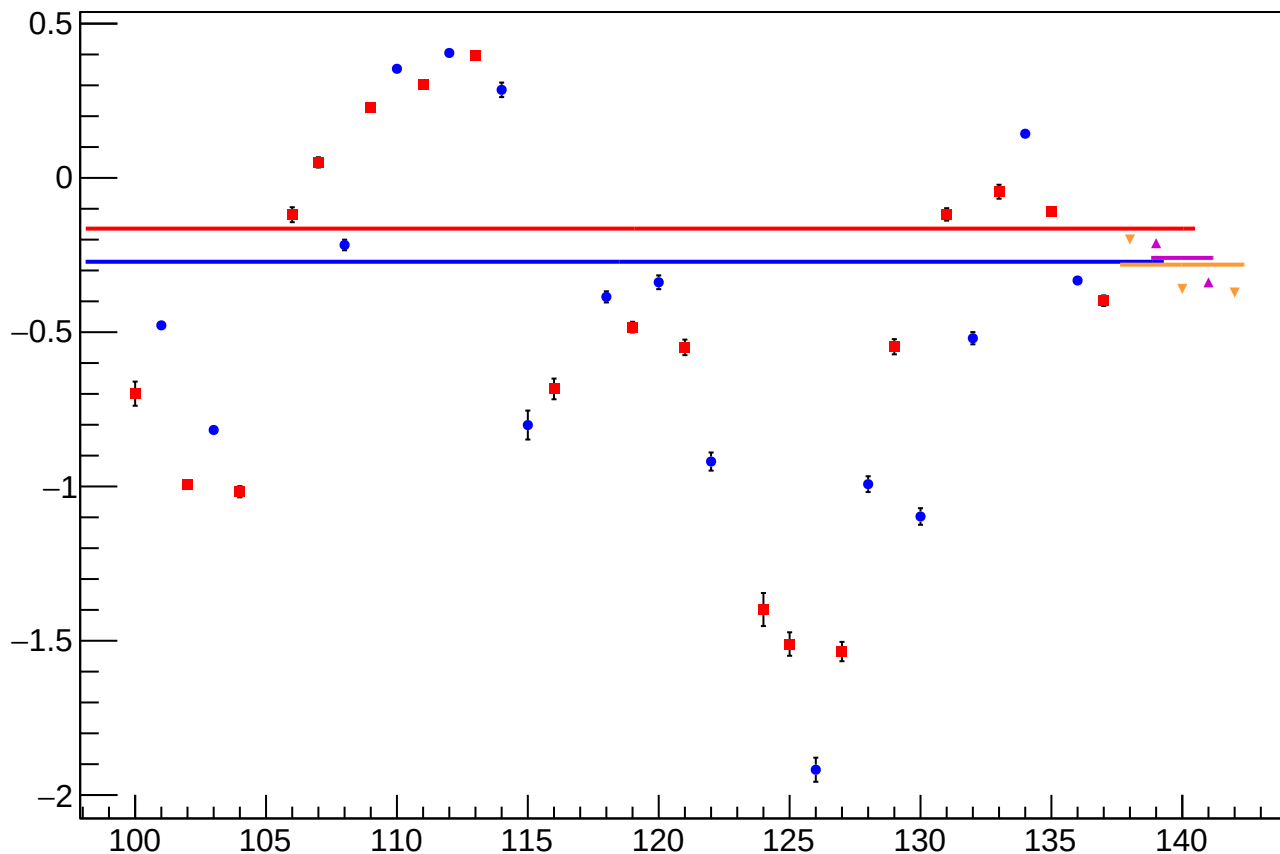
Left In: 6.429 ± 0.170 χ^2/NDF : 0.3/1

+ sign -0.958 ± 0.063 χ^2/NDF : 6621.7/18

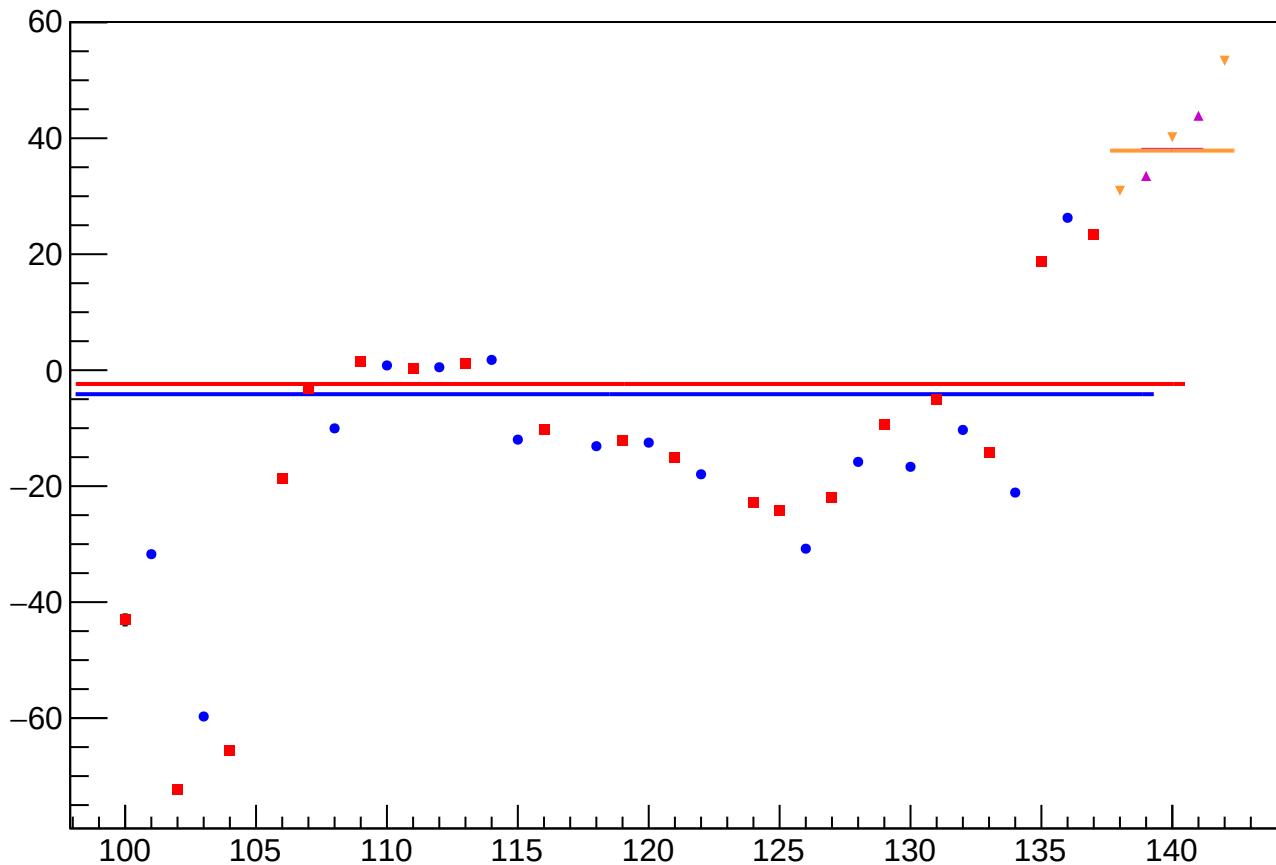
All: -0.785 ± 0.043 χ^2/NDF : 11068.1/39

- sign -0.623 ± 0.060 χ^2/NDF : 4431.5/20

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139 ± 0.054 χ^2/NDF : 75240.1/15

Left Out: 37.865 ± 0.137 χ^2/NDF : 3200.3/2

Right Out: -2.380 ± 0.046 χ^2/NDF : 80668.5/18

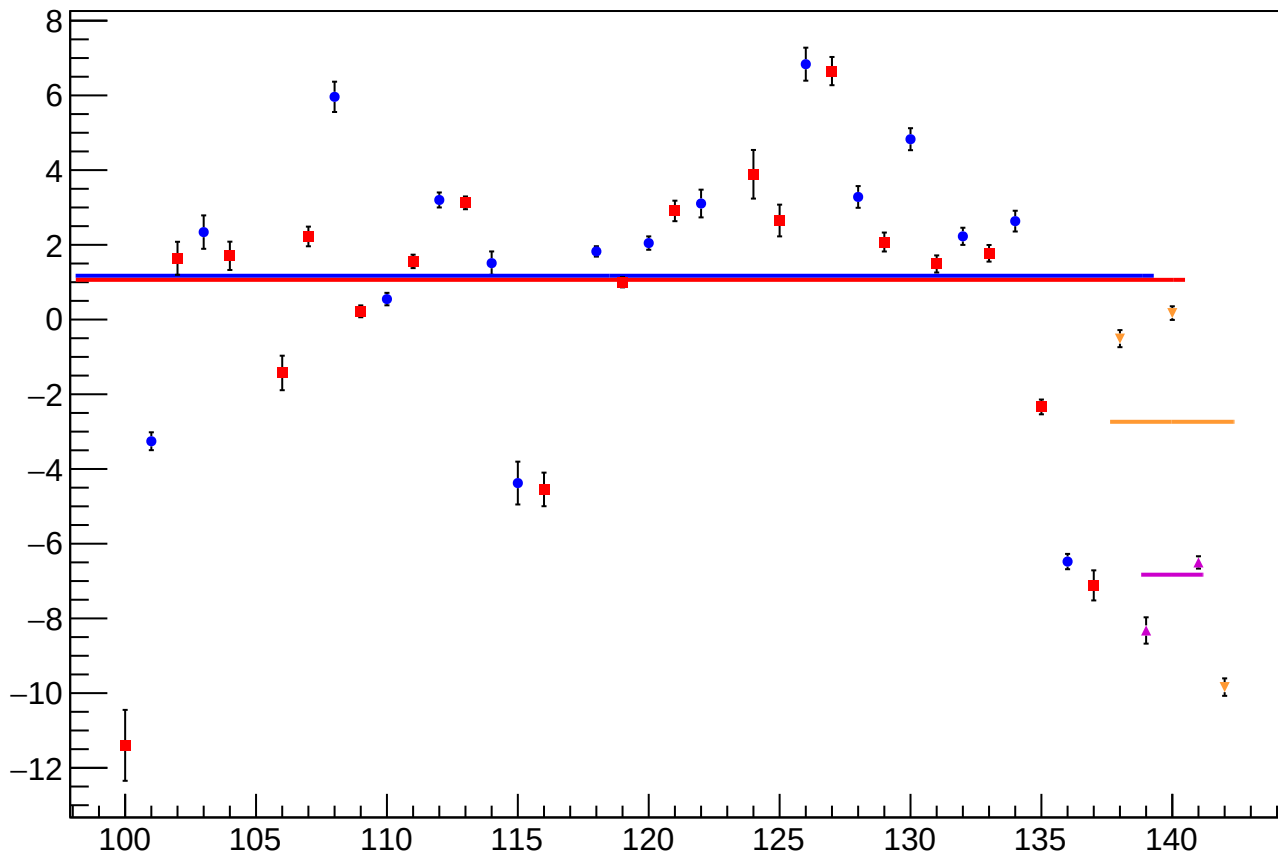
Left In: 37.996 ± 0.148 χ^2/NDF : 1215.0/1

+ sign 1.574 ± 0.051 χ^2/NDF : 159687.2/18

All: 1.342 ± 0.033 χ^2/NDF : 309790.0/39

- sign 1.169 ± 0.044 χ^2/NDF : 150066.1/20

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172 ± 0.060 χ^2/NDF : 2584.5/15

Left Out: -2.737 ± 0.122 χ^2/NDF : 1269.1/2

Right Out: 1.063 ± 0.057 χ^2/NDF : 1596.5/18

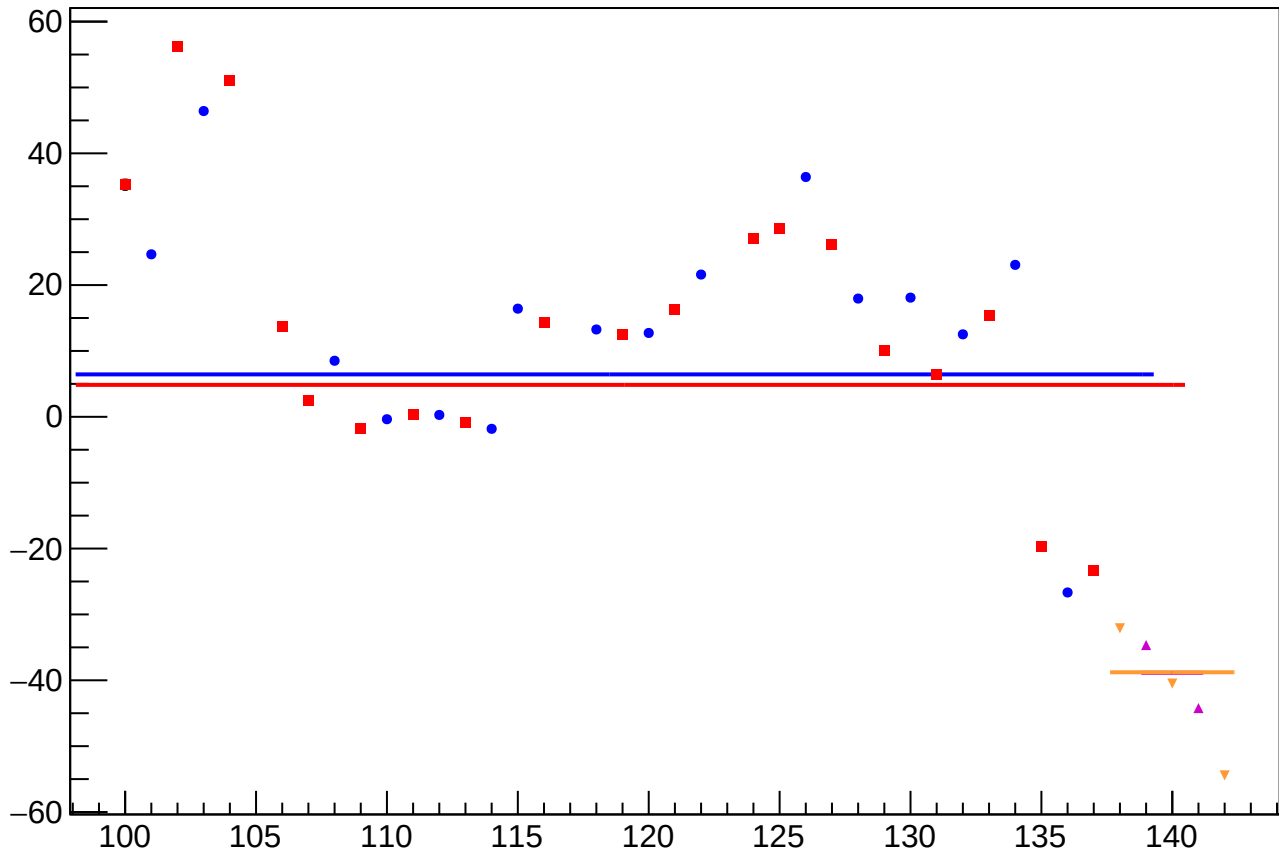
Left In: -6.830 ± 0.150 χ^2/NDF : 21.9/1

+ sign 0.407 ± 0.054 χ^2/NDF : 4681.1/18

All: 0.234 ± 0.038 χ^2/NDF : 8749.5/39

- sign 0.065 ± 0.053 χ^2/NDF : 4048.0/20

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442 ± 0.065 χ^2/NDF : 70630.3/15

Left Out: -38.780 ± 0.142 χ^2/NDF : 2893.7/2

Right Out: 4.848 ± 0.059 χ^2/NDF : 75159.9/18

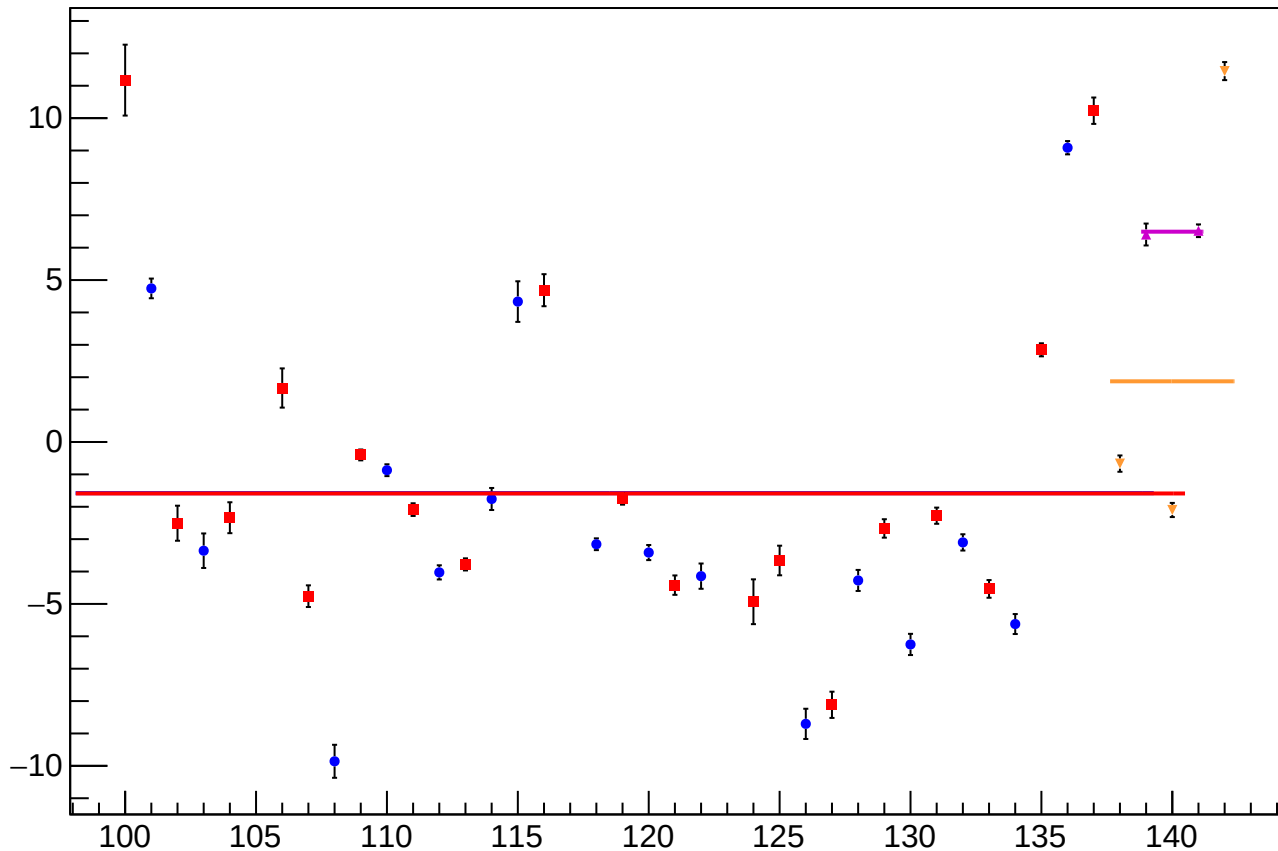
Left In: -38.865 ± 0.153 χ^2/NDF : 966.3/1

+ sign -1.365 ± 0.059 χ^2/NDF : 157466.9/18

All: -1.057 ± 0.040 χ^2/NDF : 304890.2/39

- sign -0.791 ± 0.055 χ^2/NDF : 147372.5/20

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: 1.874 ± 0.142 $\chi^2/\text{NDF}: 1613.4/2$

Right Out: -1.589 ± 0.064 $\chi^2/\text{NDF}: 2472.2/18$

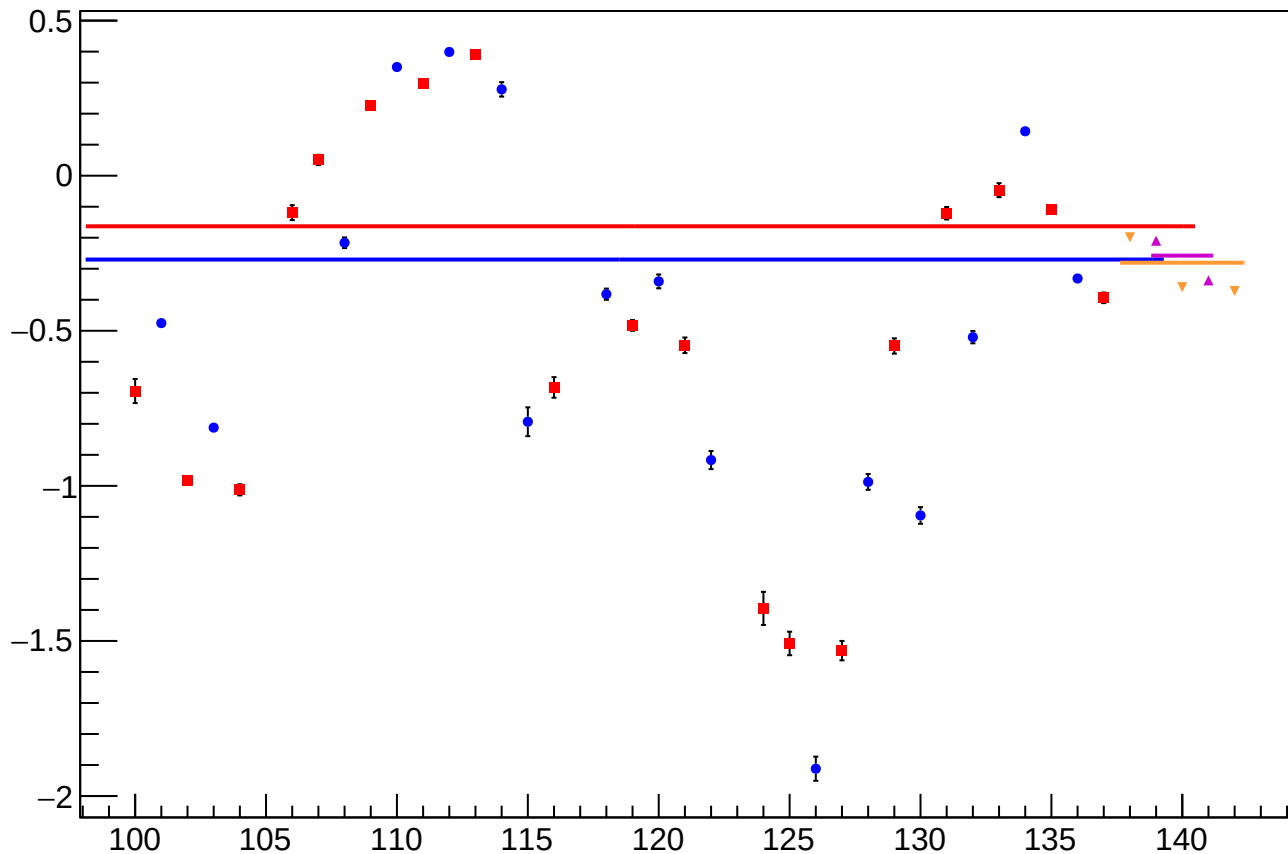
Left In: 6.494 ± 0.169 $\chi^2/\text{NDF}: 0.1/1$

+ sign -0.917 ± 0.062 $\chi^2/\text{NDF}: 6615.4/18$

All: -0.739 ± 0.043 $\chi^2/\text{NDF}: 11092.0/39$

- sign -0.574 ± 0.060 $\chi^2/\text{NDF}: 4460.8/20$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270 ± 0.004 $\chi^2/\text{NDF}: 12036.3/15$

Left Out: -0.281 ± 0.006 $\chi^2/\text{NDF}: 203.0/2$

Right Out: -0.163 ± 0.004 $\chi^2/\text{NDF}: 15510.0/18$

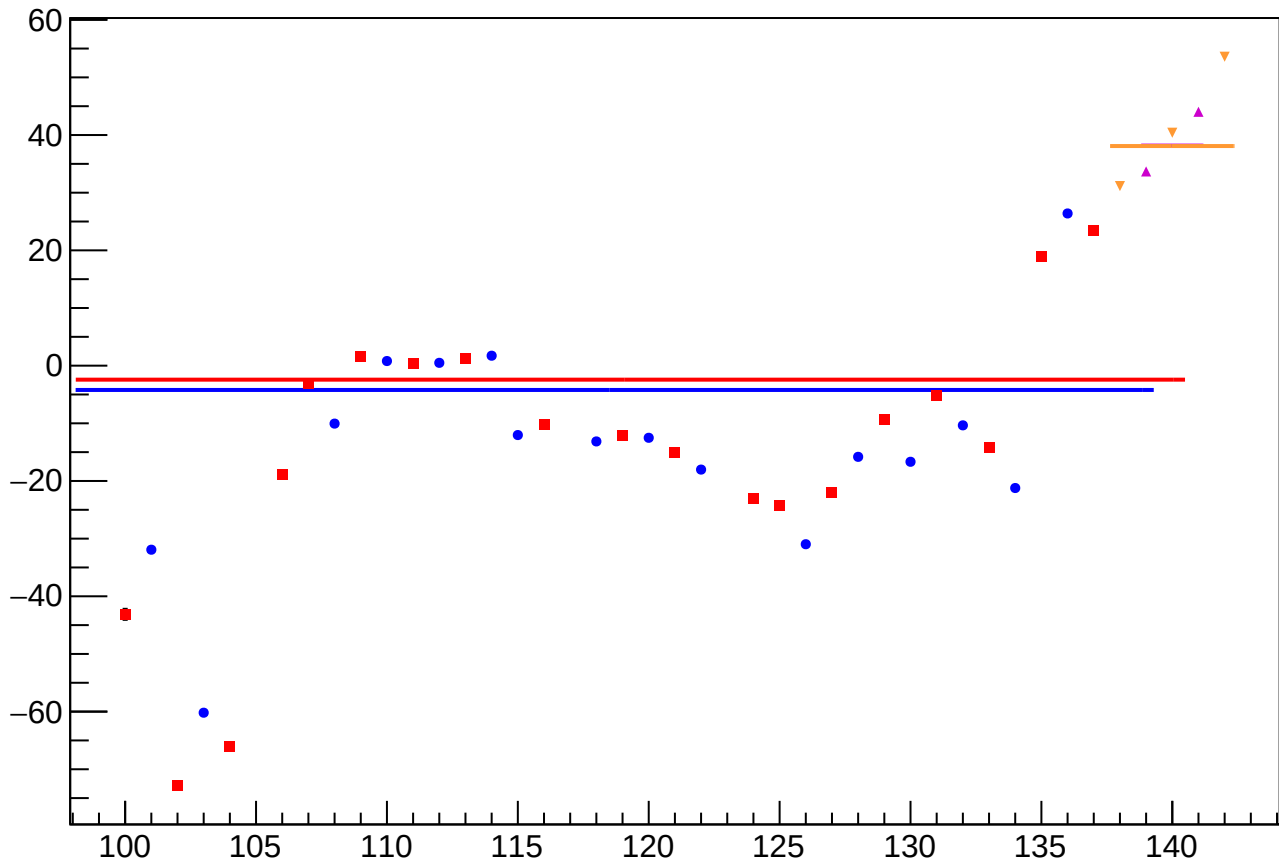
Left In: -0.258 ± 0.006 $\chi^2/\text{NDF}: 116.5/1$

+ sign -0.274 ± 0.003 $\chi^2/\text{NDF}: 12241.4/18$

All: -0.230 ± 0.002 $\chi^2/\text{NDF}: 28373.4/39$

- sign -0.192 ± 0.003 $\chi^2/\text{NDF}: 15815.9/20$

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: 38.090 ± 0.138 $\chi^2/\text{NDF}: 3178.4/2$

Right Out: -2.427 ± 0.046 $\chi^2/\text{NDF}: 80724.5/18$

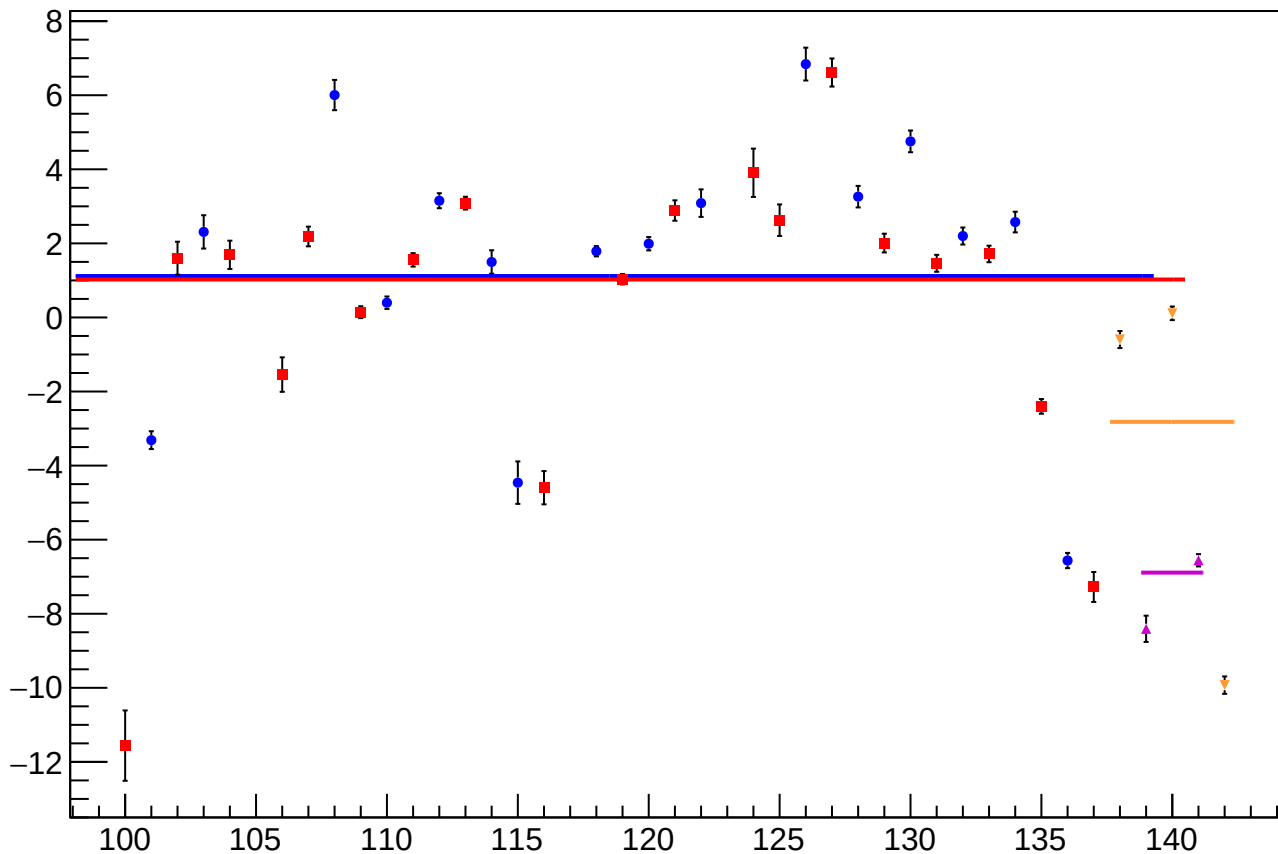
Left In: 38.172 ± 0.148 $\chi^2/\text{NDF}: 1194.9/1$

+ sign 1.558 ± 0.051 $\chi^2/\text{NDF}: 159978.4/18$

All: 1.331 ± 0.033 $\chi^2/\text{NDF}: 310237.2/39$

- sign 1.161 ± 0.044 $\chi^2/\text{NDF}: 150223.9/20$

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: -2.819 $\pm$ 0.122 χ^2 /NDF:1264.6/2

Right Out: 1.025 $\pm$ 0.057 χ^2 /NDF: 1612.0/18

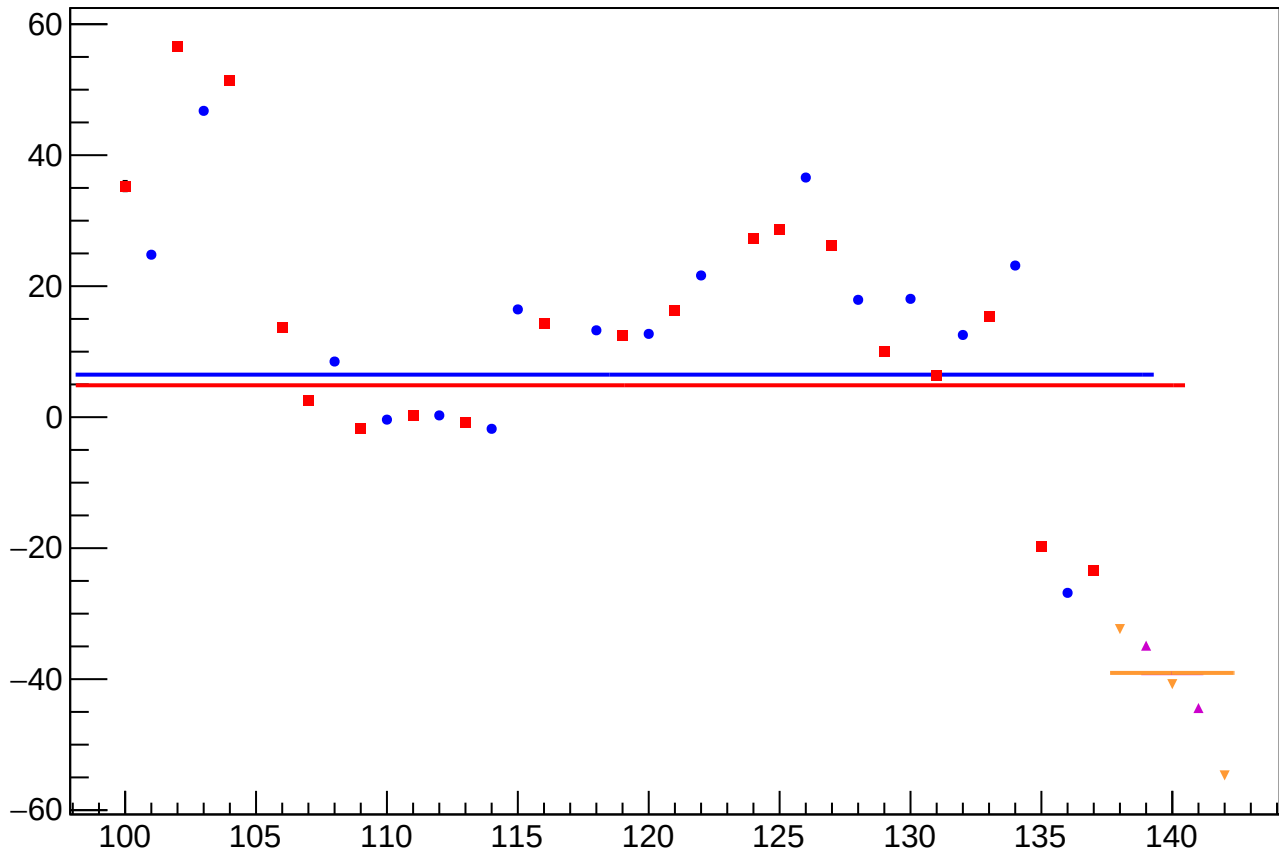
Left In: -6.890 $\pm$ 0.150 χ^2 /NDF:22.4/1

+ sign 0.347 $\pm$ 0.054 χ^2 /NDF: 4687.9/18

All: 0.182 $\pm$ 0.038 χ^2 /NDF: 8762.8/39

- sign 0.022 $\pm$ 0.053 χ^2 /NDF: 4056.7/20

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492 ± 0.065 χ^2/NDF : 70623.9/15

Left Out: -39.046 ± 0.143 χ^2/NDF : 2873.2/2

Right Out: 4.869 ± 0.059 χ^2/NDF : 75265.6/18

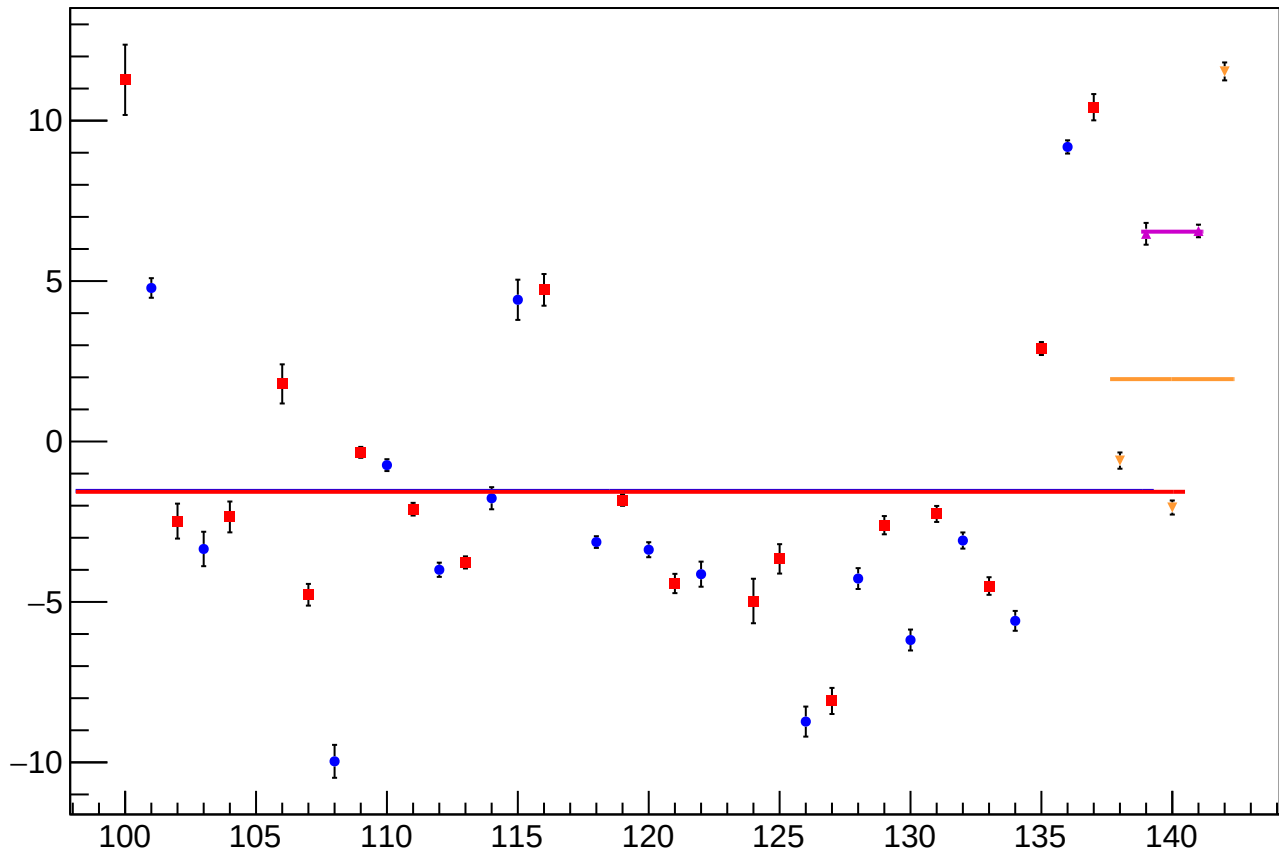
Left In: -39.084 ± 0.154 χ^2/NDF : 948.7/1

+ sign -1.382 ± 0.059 χ^2/NDF : 157777.4/18

All: -1.081 ± 0.040 χ^2/NDF : 305406.4/39

- sign -0.821 ± 0.055 χ^2/NDF : 147581.1/20

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540 ± 0.070 χ^2/NDF : 4535.9/15

Left Out: 1.944 ± 0.143 χ^2/NDF : 1608.5/2

Right Out: -1.567 ± 0.065 χ^2/NDF : 2497.0/18

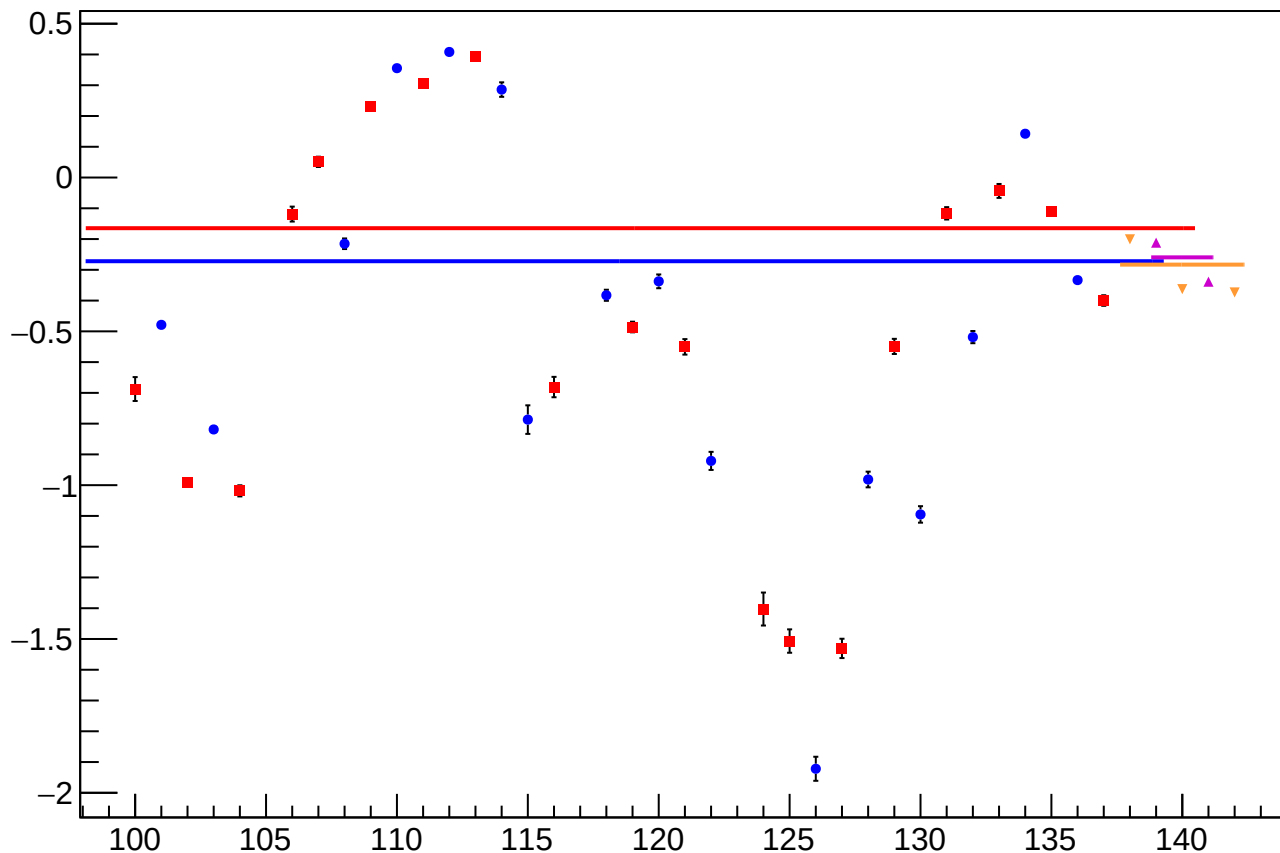
Left In: 6.540 ± 0.170 χ^2/NDF : 0.1/1

+ sign -0.871 ± 0.063 χ^2/NDF : 6626.2/18

All: -0.703 ± 0.043 χ^2/NDF : 11120.5/39

- sign -0.547 ± 0.060 χ^2/NDF : 4480.4/20

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272 ± 0.004 χ^2/NDF : 12063.6/15

Left Out: -0.283 ± 0.006 χ^2/NDF : 202.6/2

Right Out: -0.165 ± 0.004 χ^2/NDF : 15490.5/18

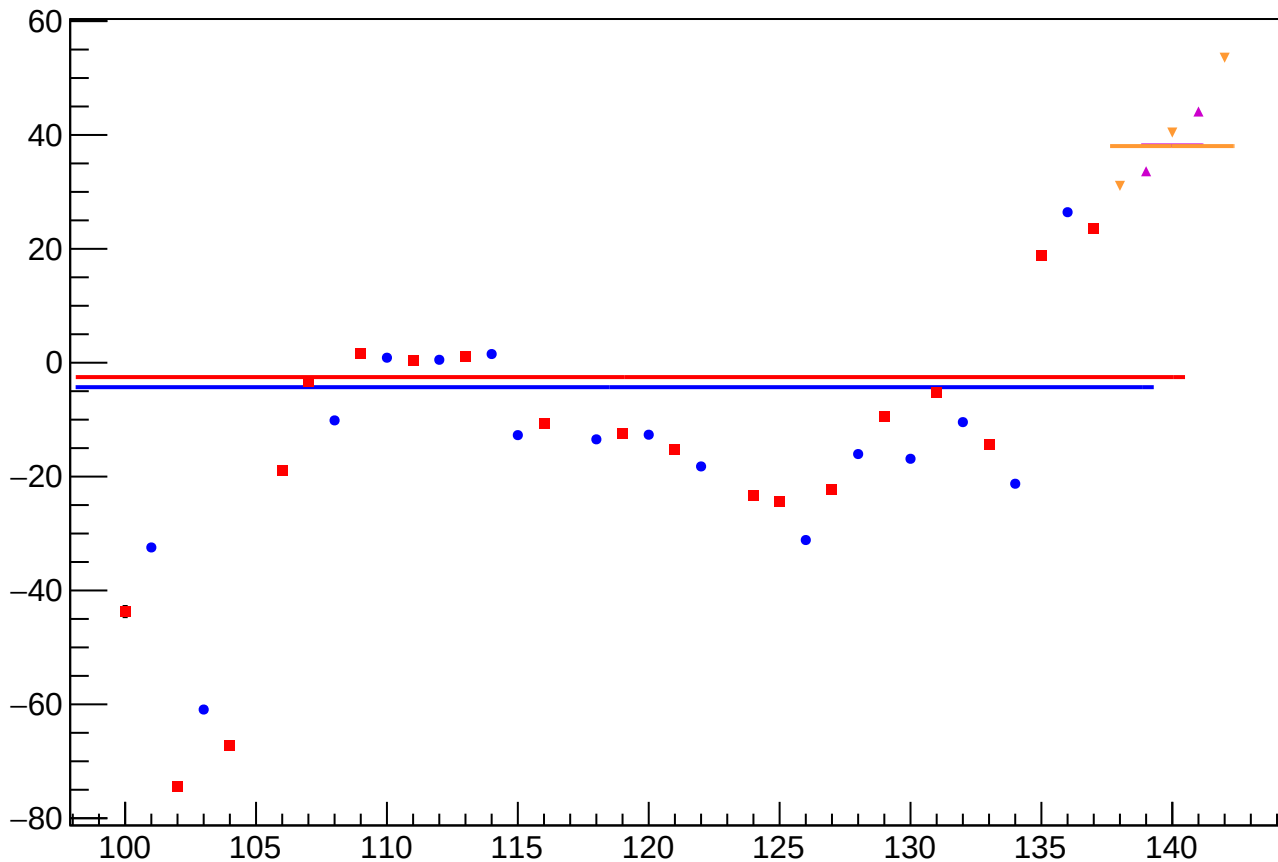
Left In: -0.259 ± 0.006 χ^2/NDF : 113.7/1

+ sign -0.276 ± 0.003 χ^2/NDF : 12268.6/18

All: -0.232 ± 0.002 χ^2/NDF : 28377.0/39

- sign -0.193 ± 0.003 χ^2/NDF : 15792.8/20

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: 38.046 ± 0.139 $\chi^2/\text{NDF}: 3144.6/2$

Right Out: -2.524 ± 0.047 $\chi^2/\text{NDF}: 79883.8/18$

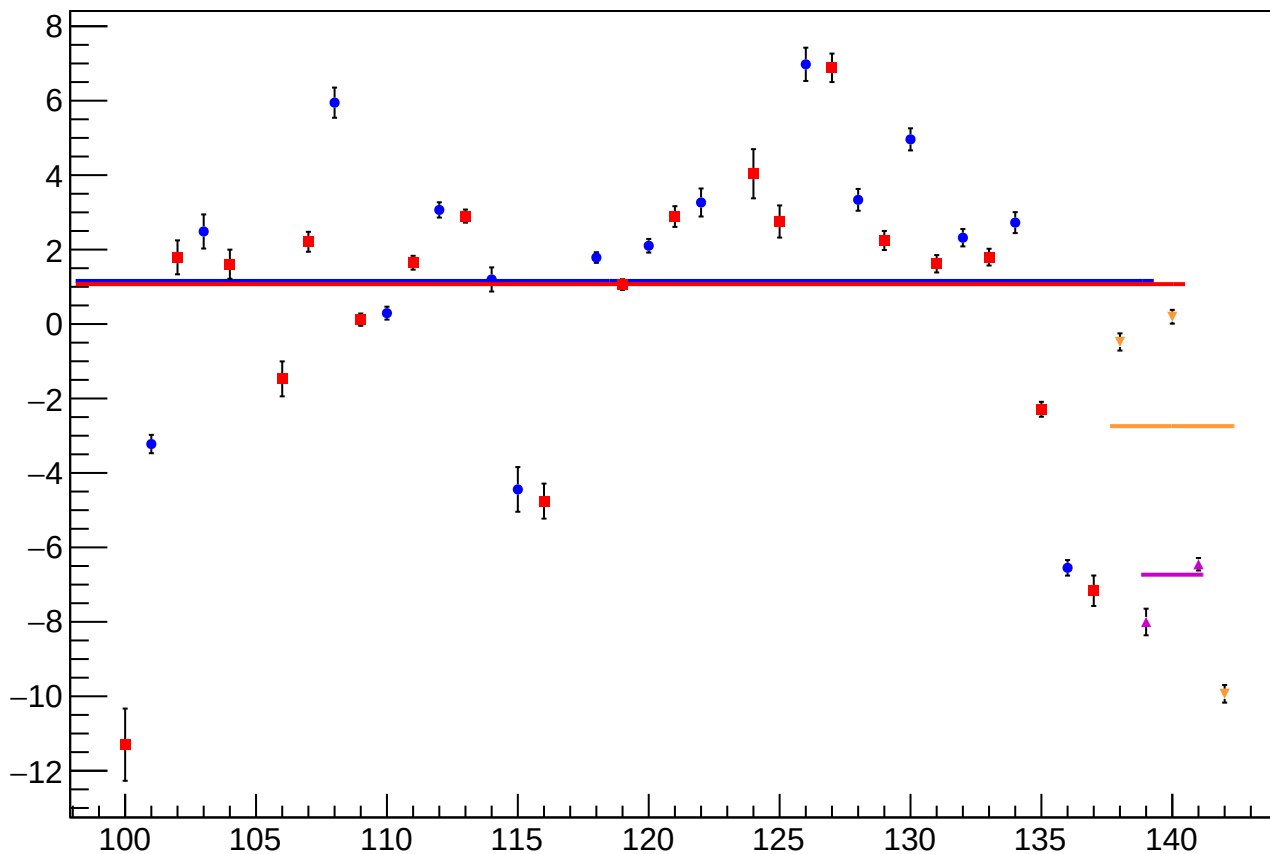
Left In: 38.164 ± 0.150 $\chi^2/\text{NDF}: 1201.9/1$

+ sign 1.579 ± 0.052 $\chi^2/\text{NDF}: 157442.6/18$

All: 1.334 ± 0.034 $\chi^2/\text{NDF}: 305575.6/39$

- sign 1.149 ± 0.045 $\chi^2/\text{NDF}: 148093.7/20$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158 ± 0.062 χ^2/NDF : 2549.9/15

Left Out: -2.743 ± 0.124 χ^2/NDF : 1265.0/2

Right Out: 1.072 ± 0.058 χ^2/NDF : 1551.4/18

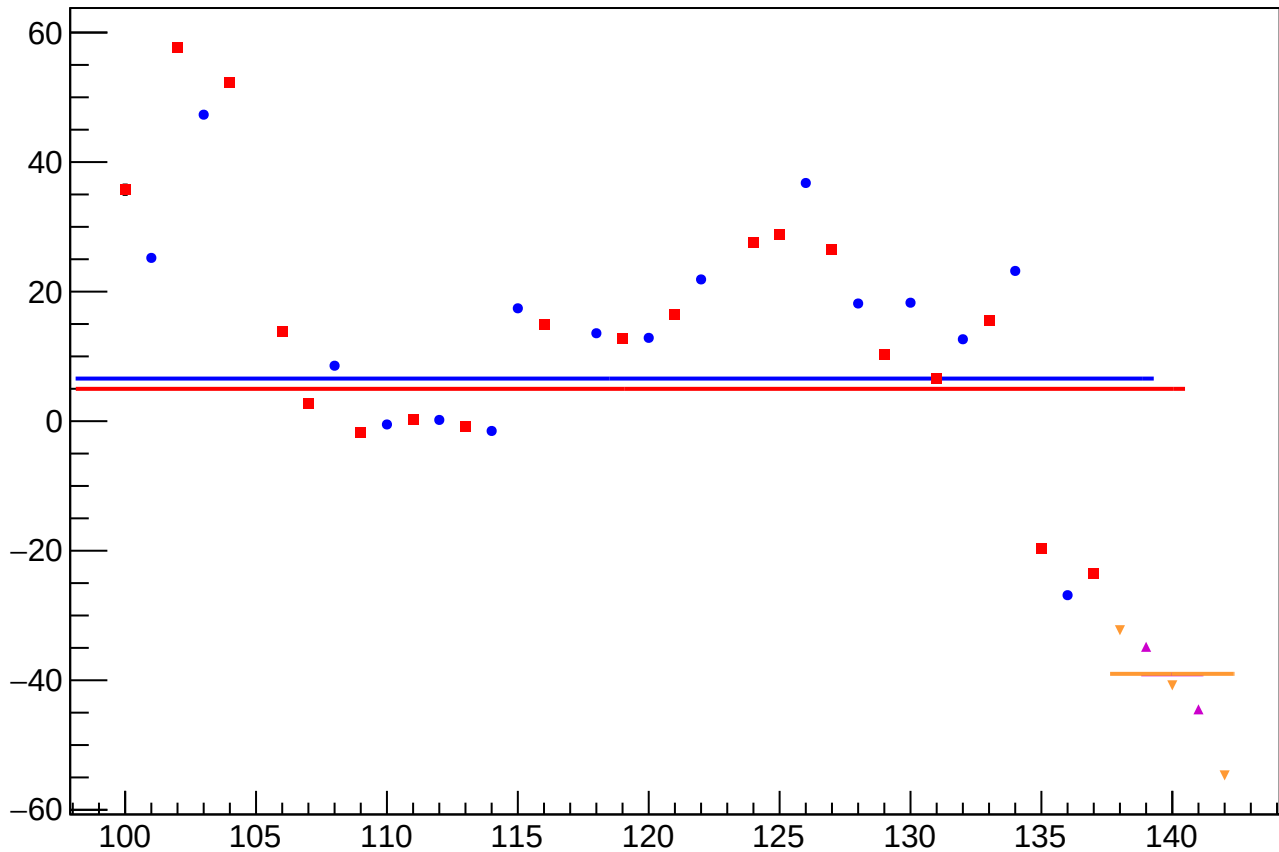
Left In: -6.733 ± 0.152 χ^2/NDF : 15.4/1

+ sign 0.383 ± 0.055 χ^2/NDF : 4613.7/18

All: 0.225 ± 0.039 χ^2/NDF : 8494.7/39

- sign 0.070 ± 0.054 χ^2/NDF : 3864.7/20

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578 ± 0.066 χ^2/NDF : 69731.5/15

Left Out: -39.007 ± 0.144 χ^2/NDF : 2840.9/2

Right Out: 4.992 ± 0.060 χ^2/NDF : 74461.3/18

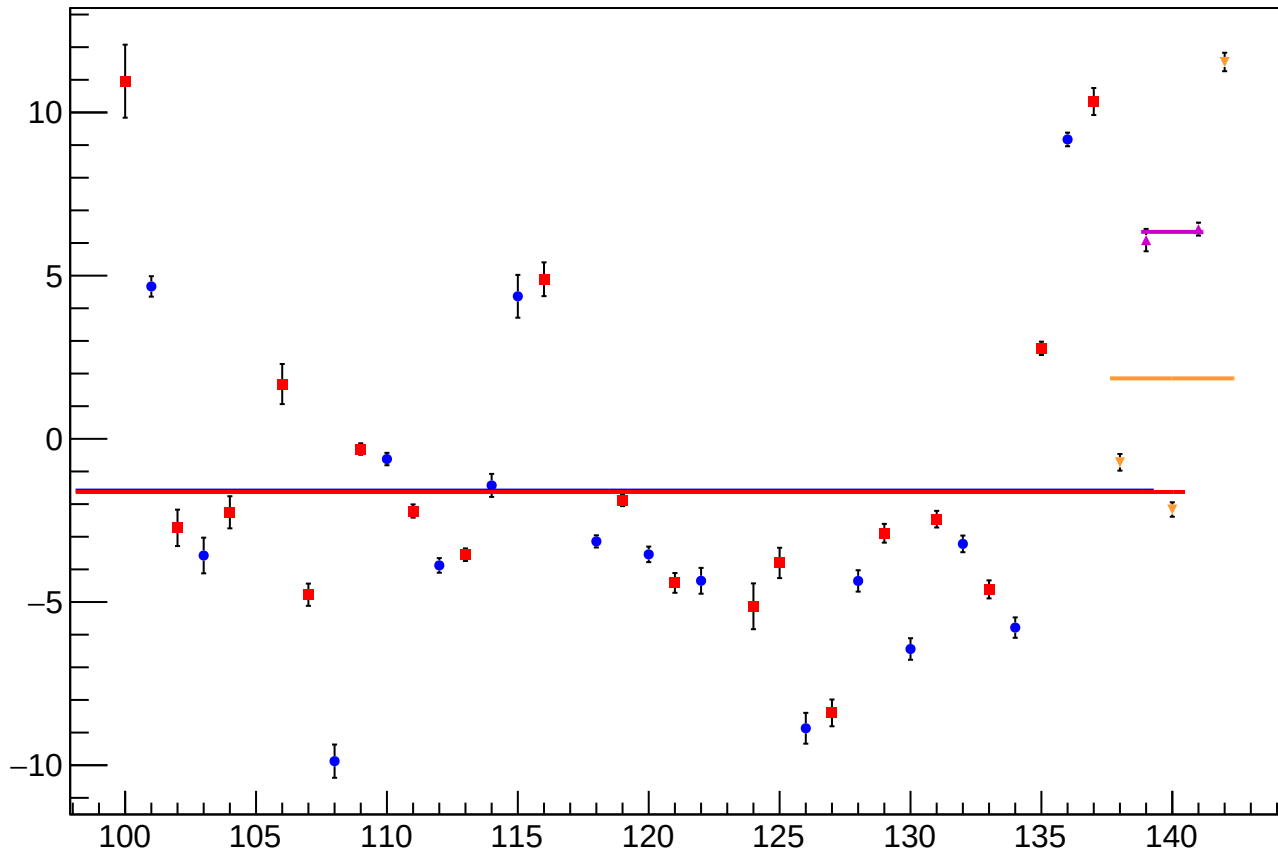
Left In: -39.079 ± 0.155 χ^2/NDF : 954.2/1

+ sign -1.421 ± 0.060 χ^2/NDF : 155284.0/18

All: -1.094 ± 0.041 χ^2/NDF : 300799.5/39

- sign -0.810 ± 0.056 χ^2/NDF : 145460.7/20

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586 ± 0.071 χ^2/NDF : 4472.6/15

Left Out: 1.852 ± 0.144 χ^2/NDF : 1606.9/2

Right Out: -1.628 ± 0.066 χ^2/NDF : 2422.3/18

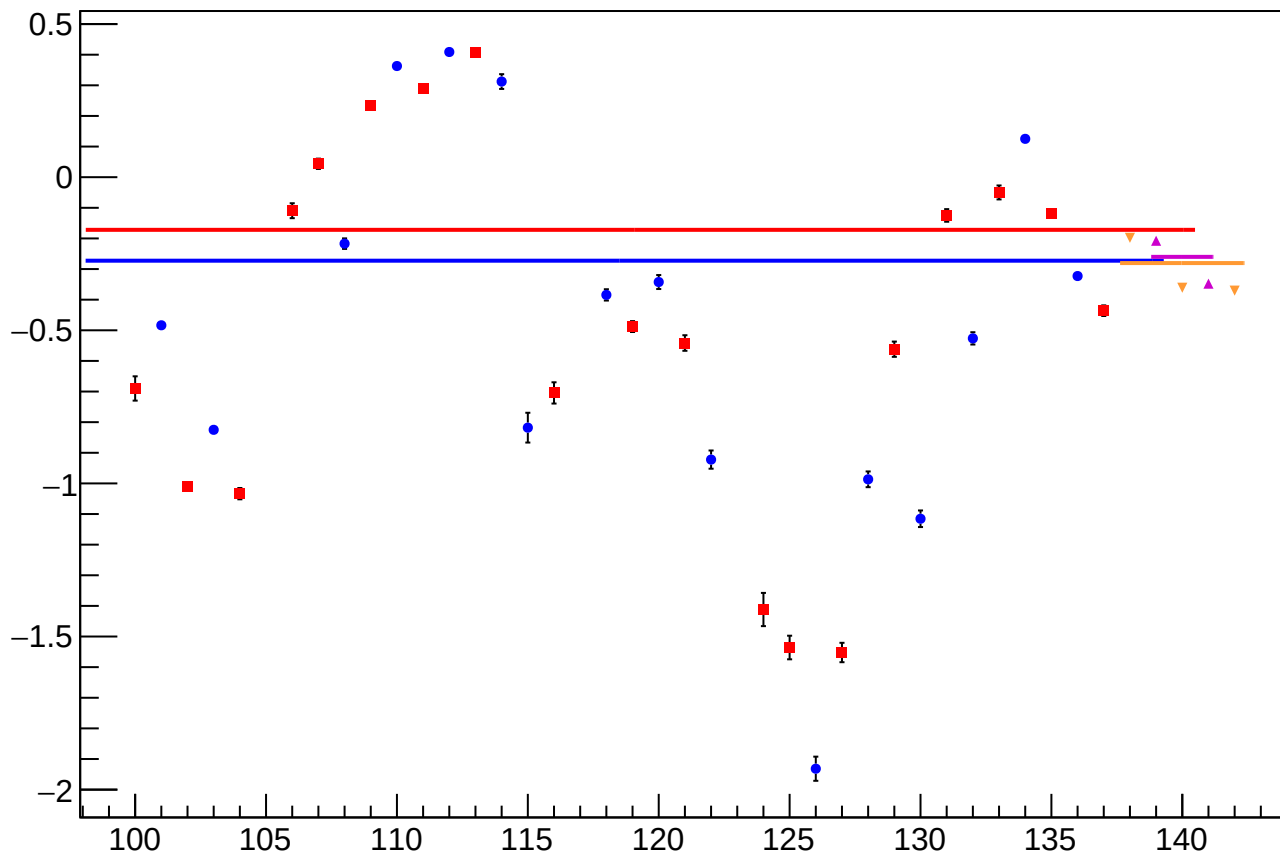
Left In: 6.341 ± 0.172 χ^2/NDF : 0.7/1

+ sign -0.916 ± 0.064 χ^2/NDF : 6538.7/18

All: -0.759 ± 0.044 χ^2/NDF : 10843.4/39

- sign -0.611 ± 0.061 χ^2/NDF : 4292.8/20

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273 ± 0.004 χ^2/NDF : 11856.3/15

Left Out: -0.280 ± 0.006 χ^2/NDF : 200.6/2

Right Out: -0.172 ± 0.004 χ^2/NDF : 15322.3/18

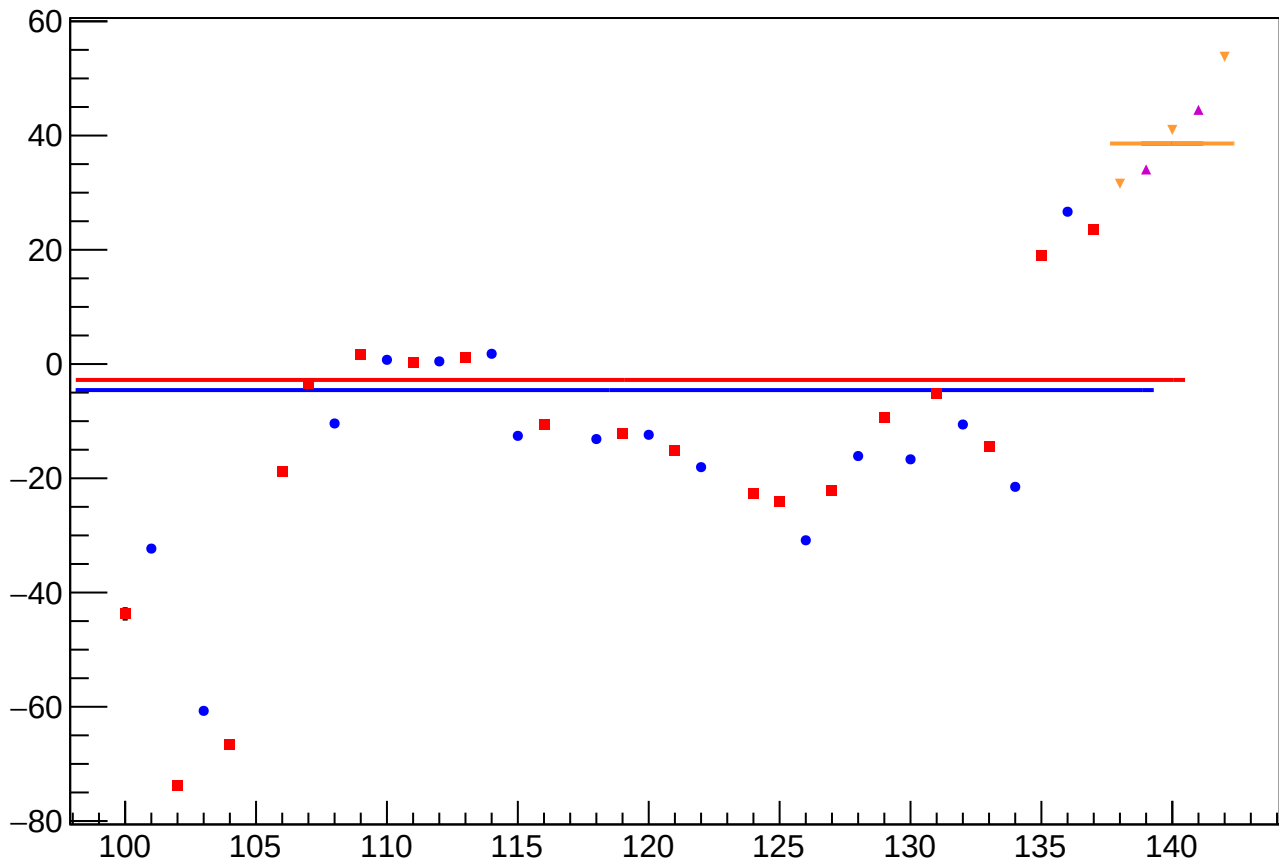
Left In: -0.260 ± 0.006 χ^2/NDF : 135.7/1

+ sign -0.275 ± 0.003 χ^2/NDF : 12058.0/18

All: -0.235 ± 0.002 χ^2/NDF : 27939.5/39

- sign -0.199 ± 0.003 χ^2/NDF : 15617.4/20

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: 38.610 ± 0.142 $\chi^2/\text{NDF}: 2972.8/2$

Right Out: -2.780 ± 0.049 $\chi^2/\text{NDF}: 77905.3/18$

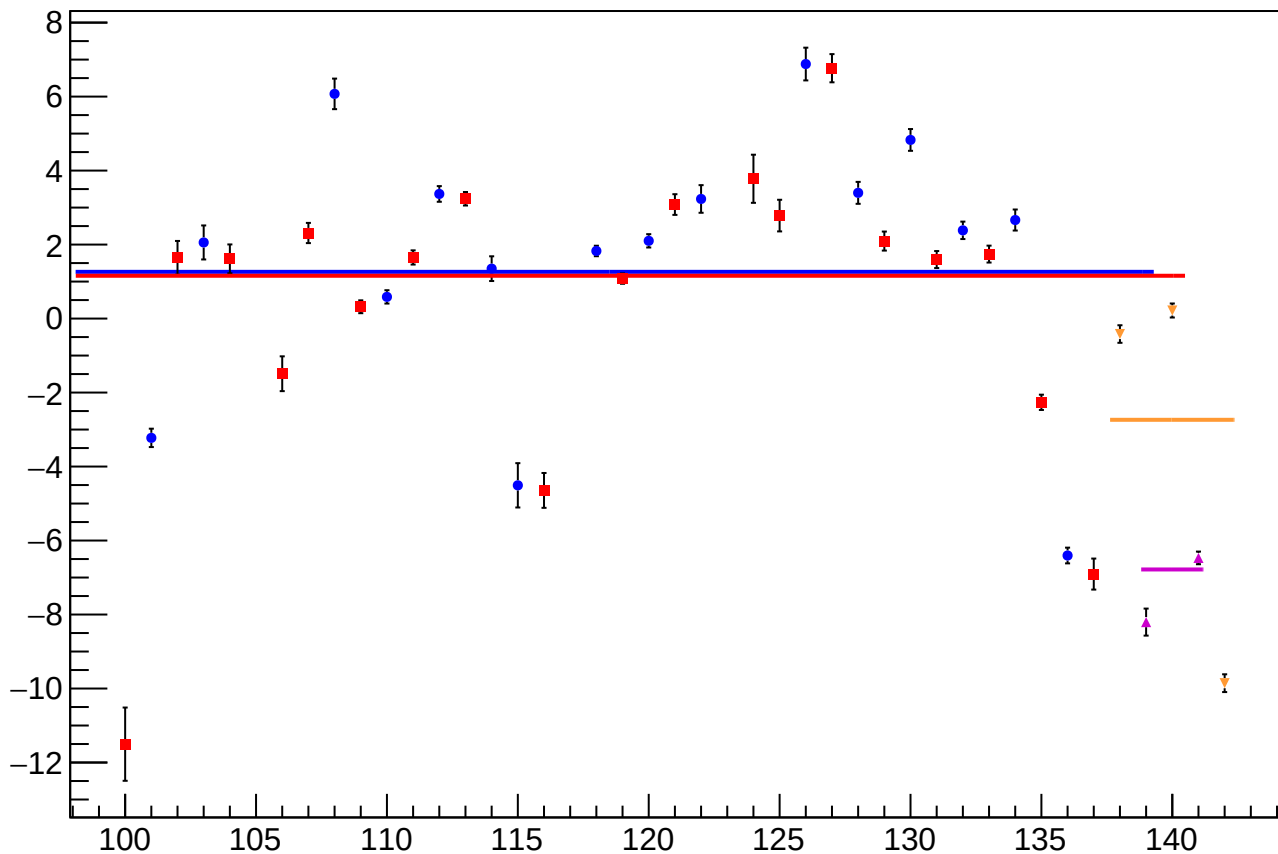
Left In: 38.597 ± 0.153 $\chi^2/\text{NDF}: 1143.1/1$

+ sign 1.390 ± 0.053 $\chi^2/\text{NDF}: 155177.4/18$

All: 1.169 ± 0.035 $\chi^2/\text{NDF}: 300692.1/39$

- sign 0.998 ± 0.046 $\chi^2/\text{NDF}: 145483.5/20$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263 ± 0.062 χ^2/NDF : 2443.8/15

Left Out: -2.736 ± 0.126 χ^2/NDF : 1216.8/2

Right Out: 1.157 ± 0.059 χ^2/NDF : 1490.5/18

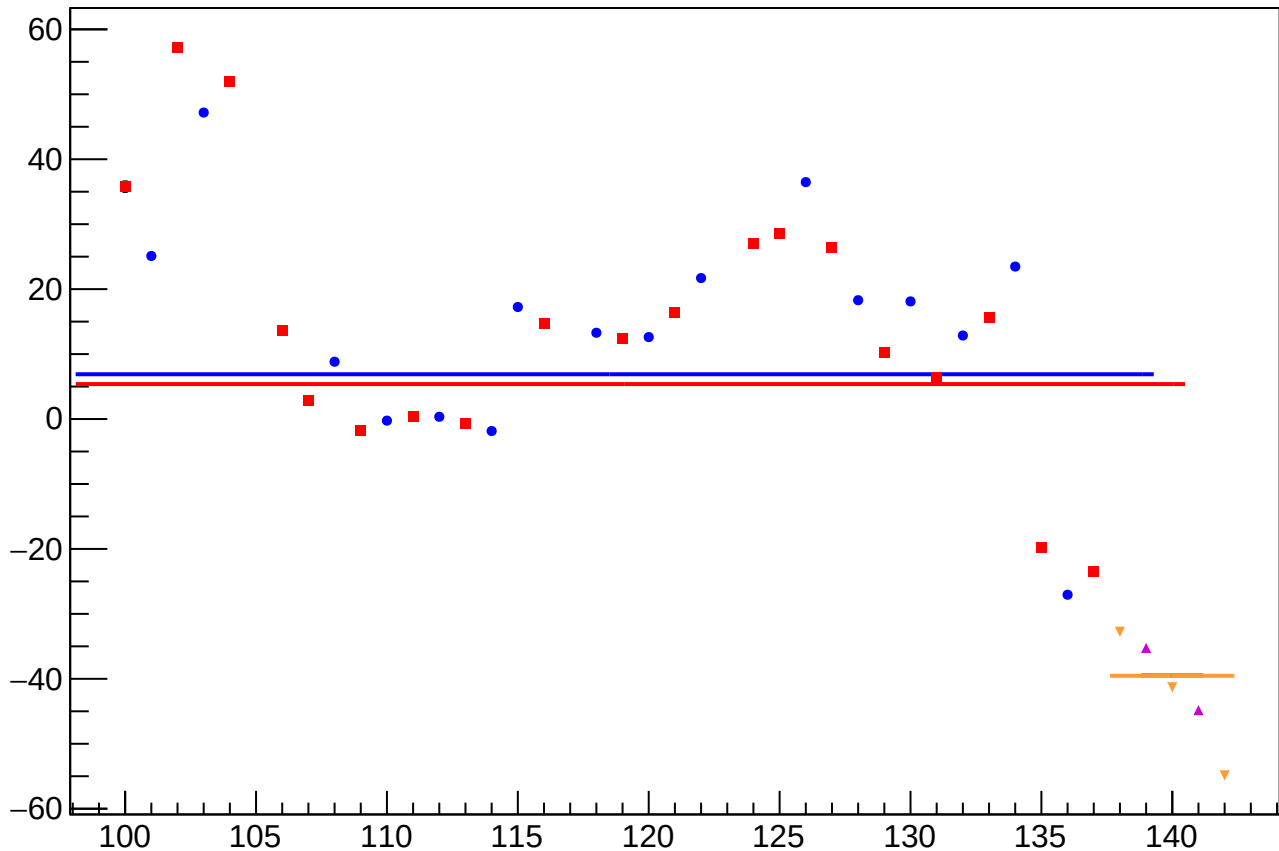
Left In: -6.782 ± 0.155 χ^2/NDF : 18.5/1

+ sign 0.484 ± 0.056 χ^2/NDF : 4470.8/18

All: 0.315 ± 0.039 χ^2/NDF : 8289.1/39

- sign 0.149 ± 0.055 χ^2/NDF : 3800.1/20

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895 ± 0.067 χ^2/NDF : 68047.4/15

Left Out: -39.531 ± 0.147 χ^2/NDF : 2677.5/2

Right Out: 5.381 ± 0.062 χ^2/NDF : 72230.2/18

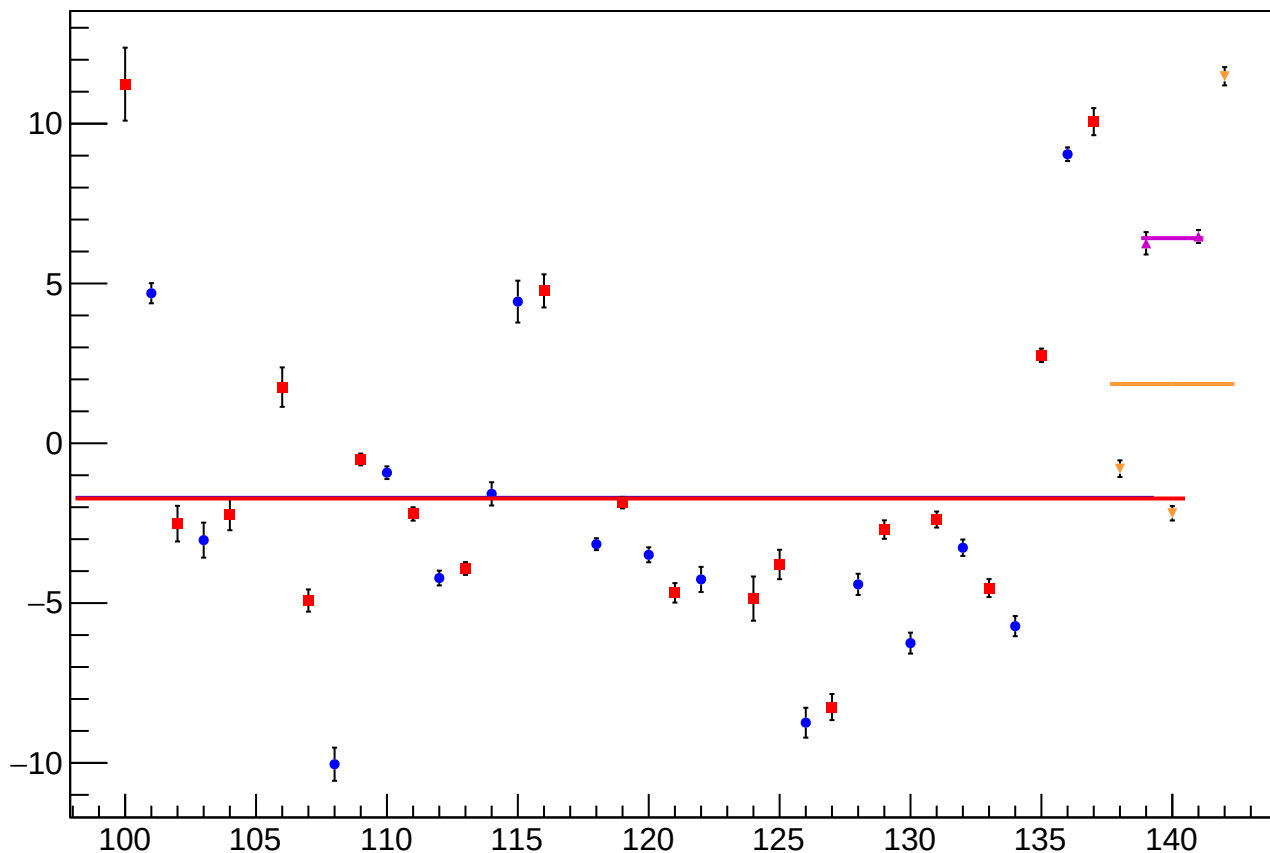
Left In: -39.479 ± 0.158 χ^2/NDF : 902.8/1

+ sign -1.137 ± 0.061 χ^2/NDF : 152905.1/18

All: -0.813 ± 0.042 χ^2/NDF : 295749.1/39

- sign -0.528 ± 0.057 χ^2/NDF : 142791.2/20

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708 ± 0.072 χ^2/NDF : 4289.8/15

Left Out: 1.856 ± 0.147 χ^2/NDF : 1553.5/2

Right Out: -1.727 ± 0.067 χ^2/NDF : 2309.6/18

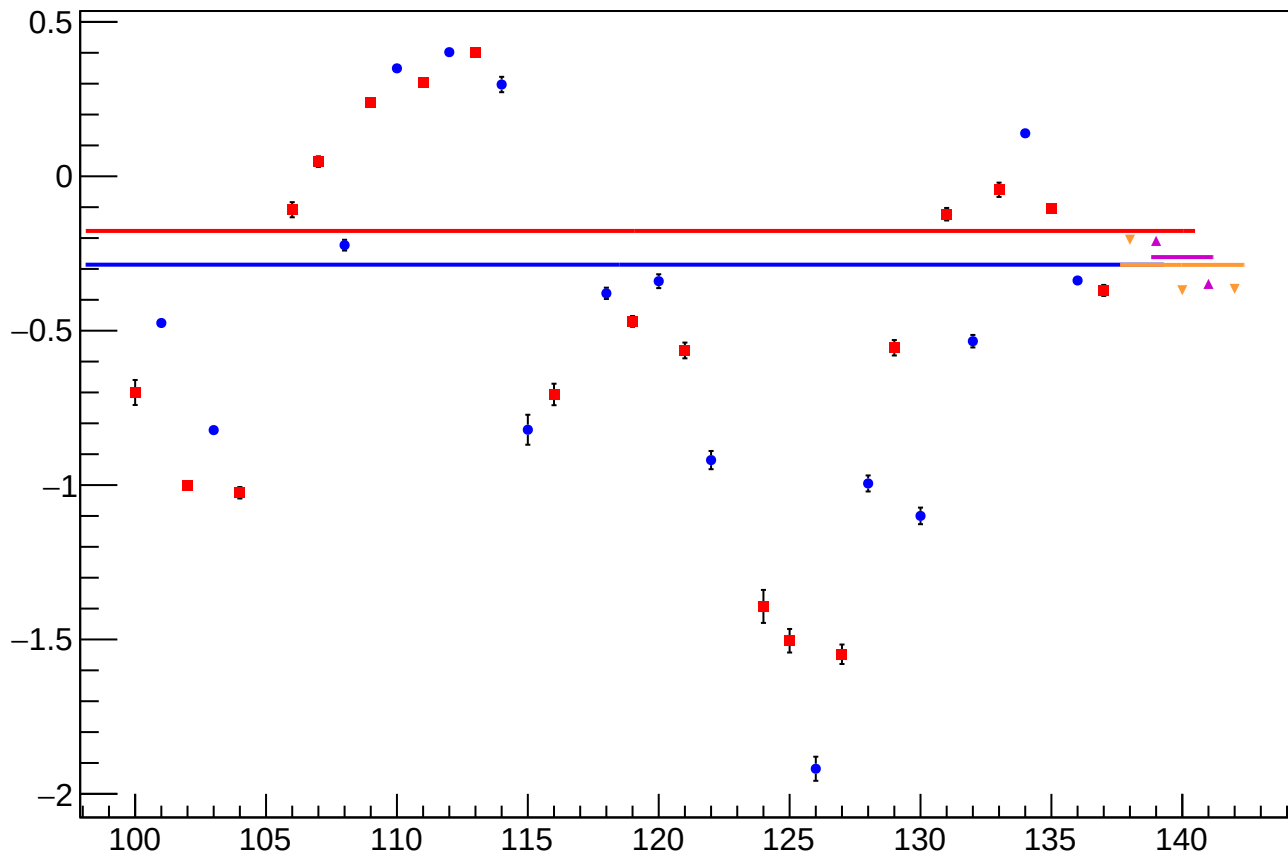
Left In: 6.418 ± 0.176 χ^2/NDF : 0.3/1

+ sign -1.025 ± 0.064 χ^2/NDF : 6318.7/18

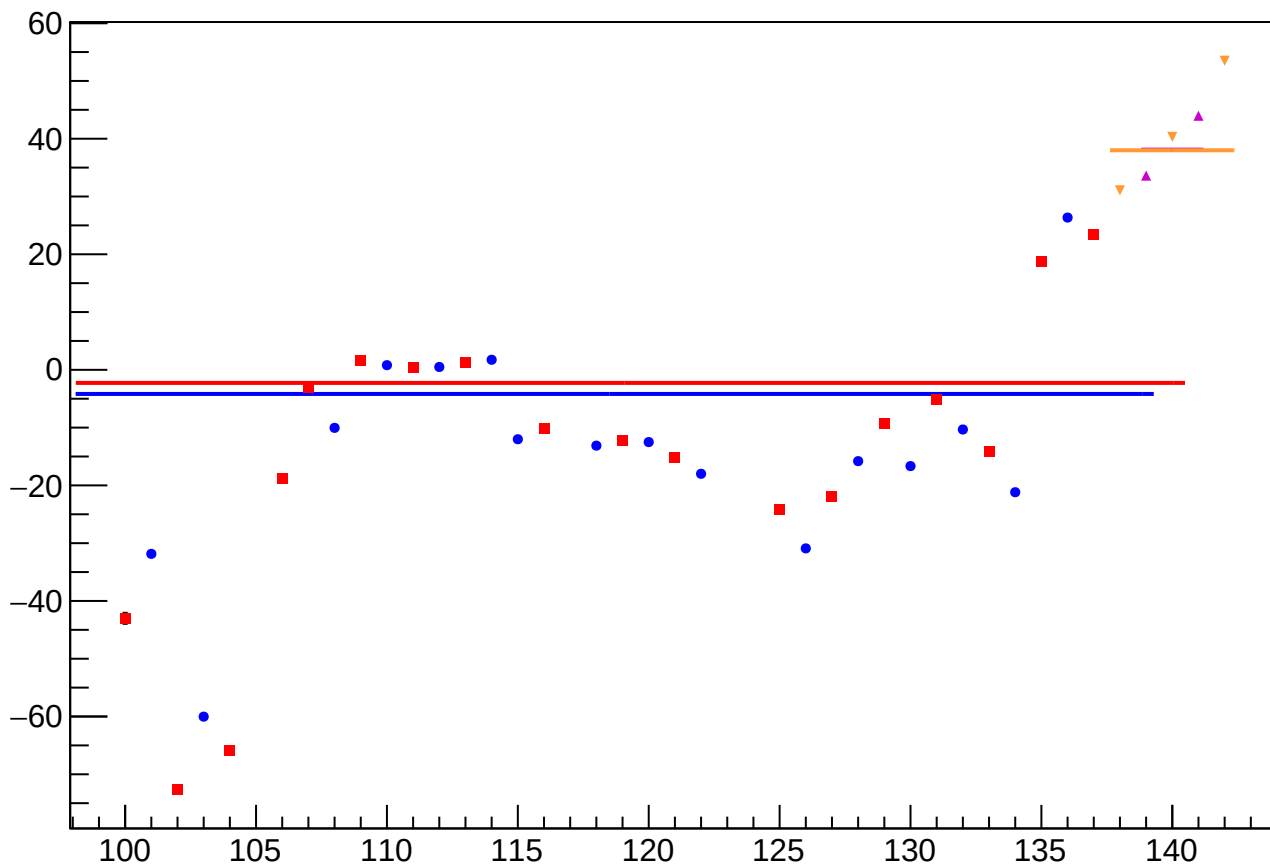
All: -0.855 ± 0.045 χ^2/NDF : 10522.9/39

- sign -0.695 ± 0.062 χ^2/NDF : 4190.7/20

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: -4.173 ± 0.054 $\chi^2/\text{NDF}: 75394.5/15$

Left Out: 38.000 ± 0.137 $\chi^2/\text{NDF}: 3194.4/2$

Right Out: -2.261 ± 0.046 $\chi^2/\text{NDF}: 79624.4/17$

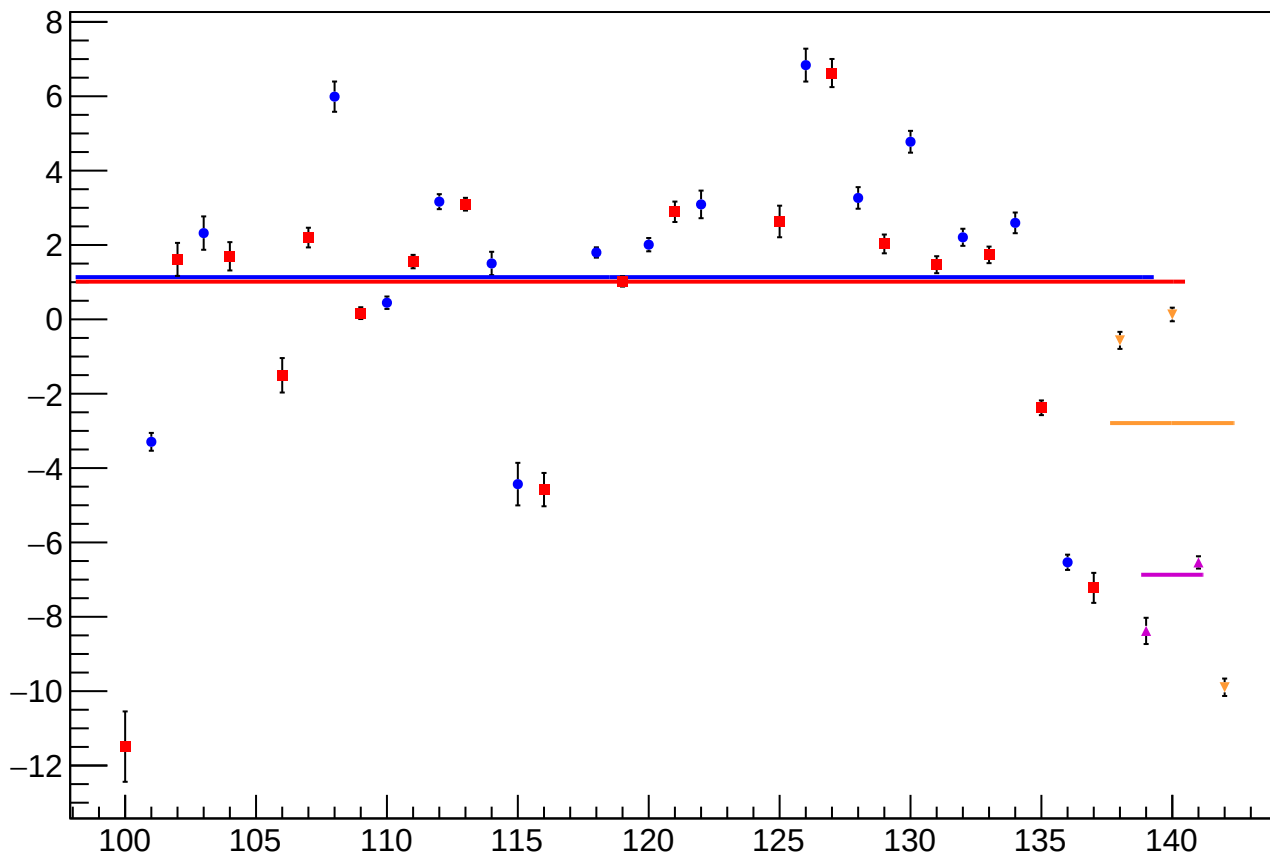
Left In: 38.105 ± 0.148 $\chi^2/\text{NDF}: 1204.8/1$

+ sign 1.565 ± 0.051 $\chi^2/\text{NDF}: 160212.0/18$

All: 1.417 ± 0.033 $\chi^2/\text{NDF}: 308974.1/38$

- sign 1.305 ± 0.044 $\chi^2/\text{NDF}: 148747.0/19$

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: -2.790 $\pm$ 0.122 χ^2 /NDF:1268.6/2

Right Out: 1.014 $\pm$ 0.057 χ^2 /NDF: 1593.0/17

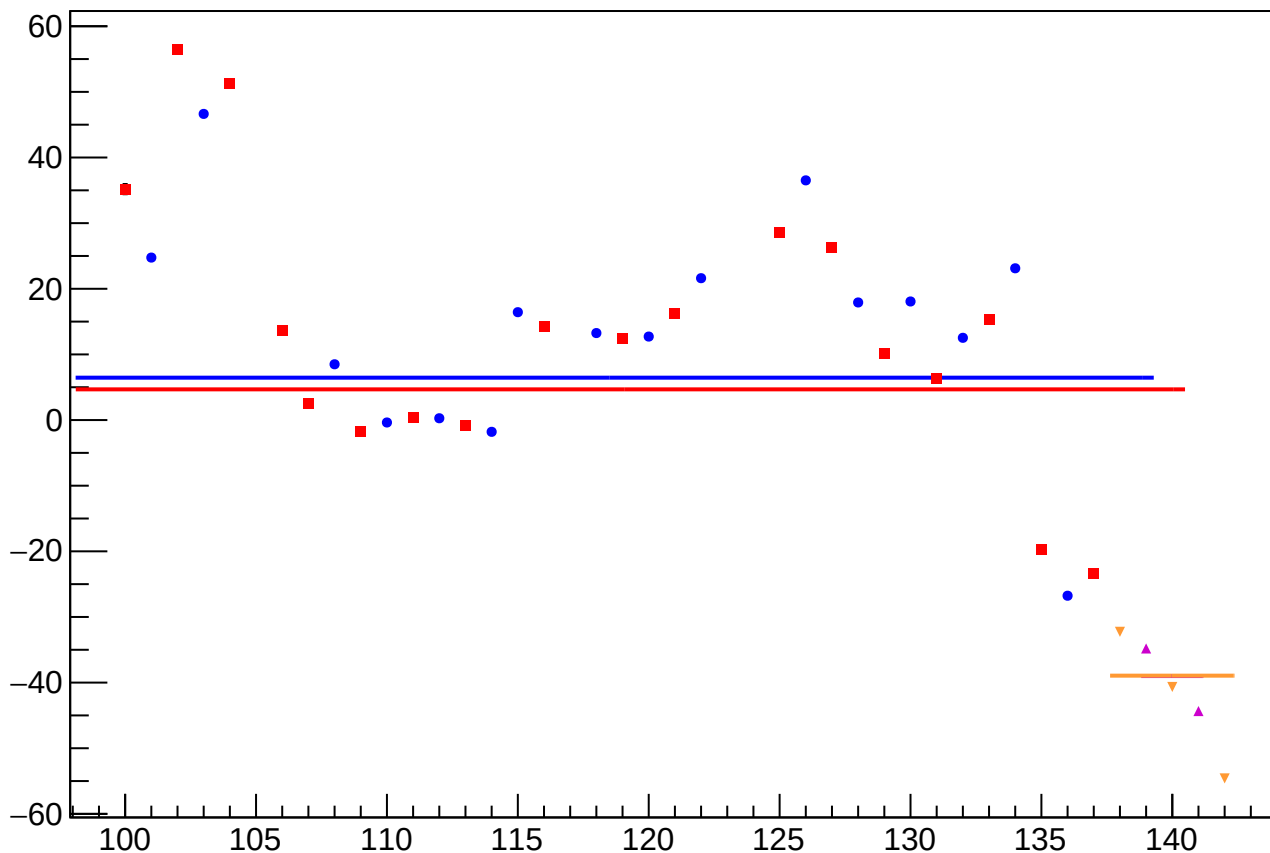
Left In: -6.869 $\pm$ 0.150 χ^2 /NDF:22.3/1

+ sign 0.368 $\pm$ 0.054 χ^2 /NDF: 4695.8/18

All: 0.188 $\pm$ 0.038 χ^2 /NDF: 8748.5/38

- sign 0.012 $\pm$ 0.053 χ^2 /NDF: 4030.7/19

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: -38.942 ± 0.142 χ^2/NDF : 2887.8/2

Right Out: 4.677 ± 0.059 χ^2/NDF : 74414.5/17

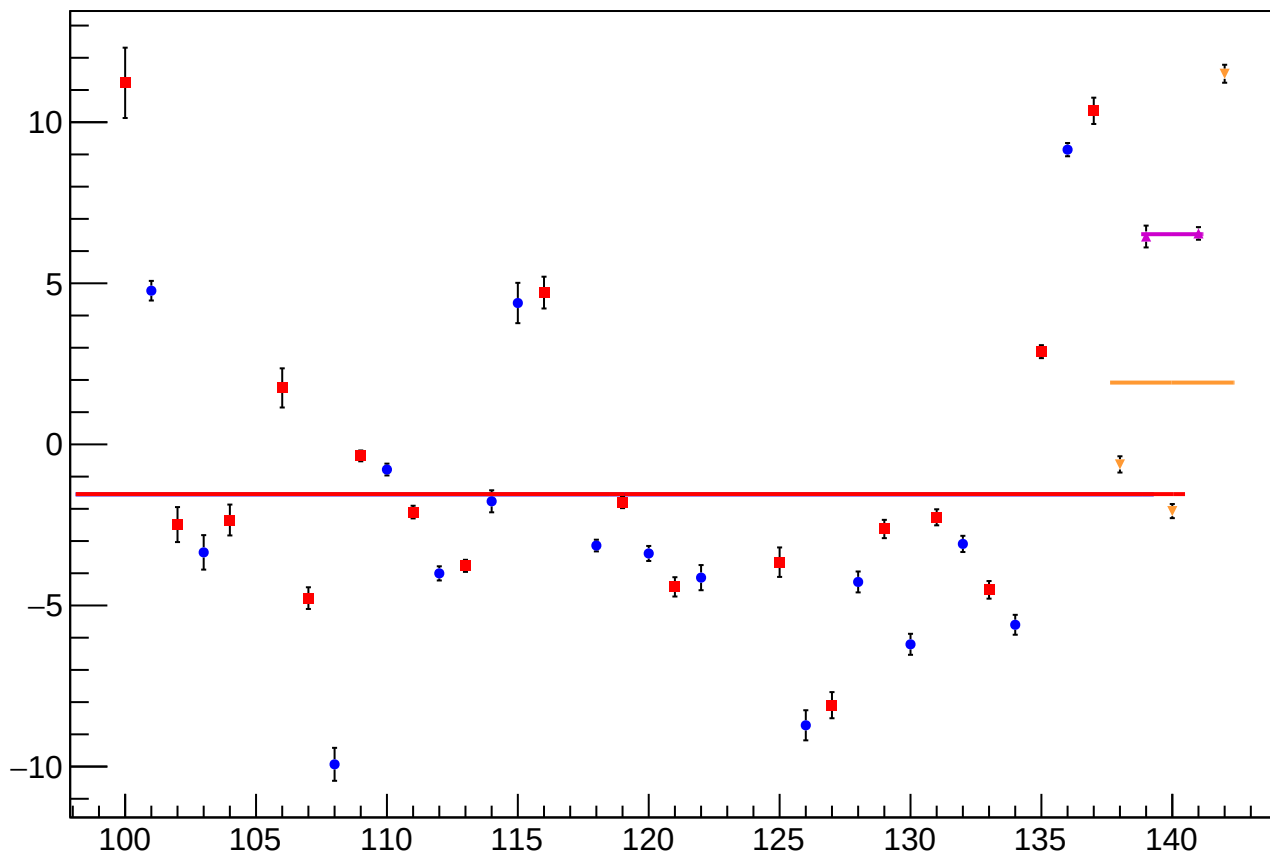
Left In: -39.003 ± 0.153 χ^2/NDF : 957.1/1

+ sign -1.380 ± 0.059 χ^2/NDF : 158002.1/18

All: -1.170 ± 0.040 χ^2/NDF : 304270.4/38

- sign -0.988 ± 0.055 χ^2/NDF : 146244.9/19

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: 1.919 ± 0.142 χ^2/NDF : 1613.3/2

Right Out: -1.543 ± 0.065 χ^2/NDF : 2473.0/17

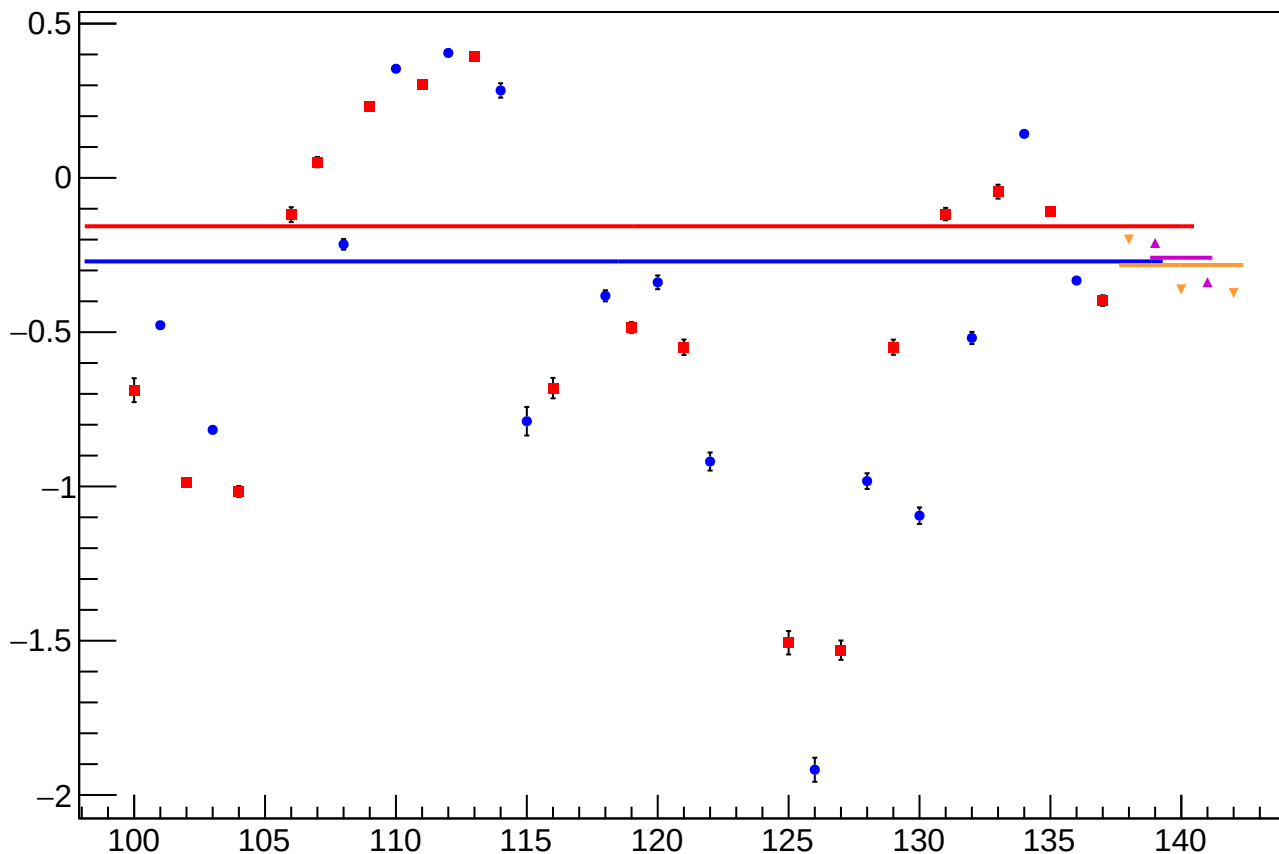
Left In: 6.524 ± 0.170 χ^2/NDF : 0.1/1

+ sign -0.886 ± 0.062 χ^2/NDF : 6637.8/18

All: -0.699 ± 0.043 χ^2/NDF : 11101.9/38

- sign -0.523 ± 0.060 χ^2/NDF : 4446.6/19

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: -0.282 ± 0.006 χ^2/NDF : 203.3/2

Right Out: -0.157 ± 0.004 χ^2/NDF : 15019.0/17

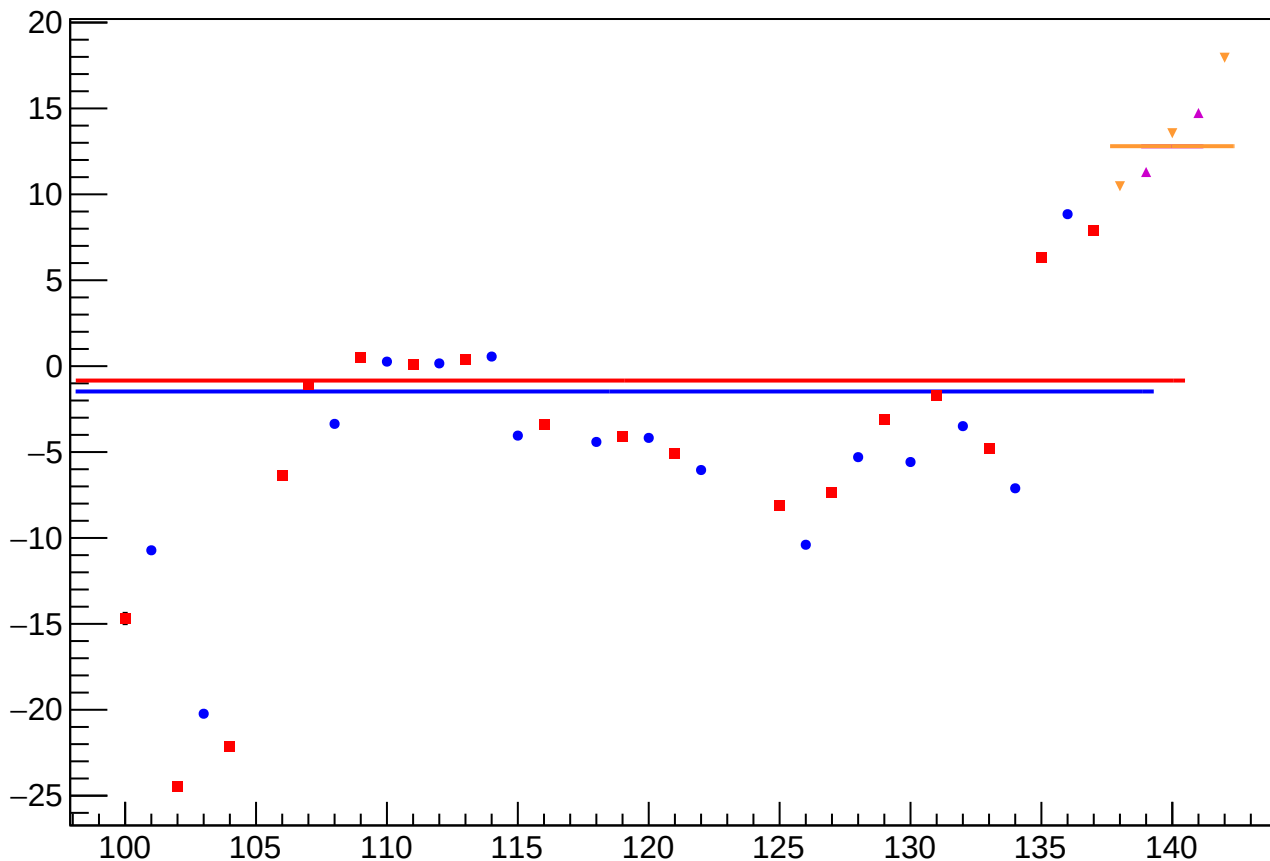
Left In: -0.259 ± 0.006 χ^2/NDF : 115.0/1

+ sign -0.275 ± 0.003 χ^2/NDF : 12301.9/18

All: -0.228 ± 0.002 χ^2/NDF : 28008.1/38

- sign -0.188 ± 0.003 χ^2/NDF : 15353.4/19

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: 12.802 ± 0.047 $\chi^2/\text{NDF}: 3083.0/2$

Right Out: -0.838 ± 0.016 $\chi^2/\text{NDF}: 78013.1/17$

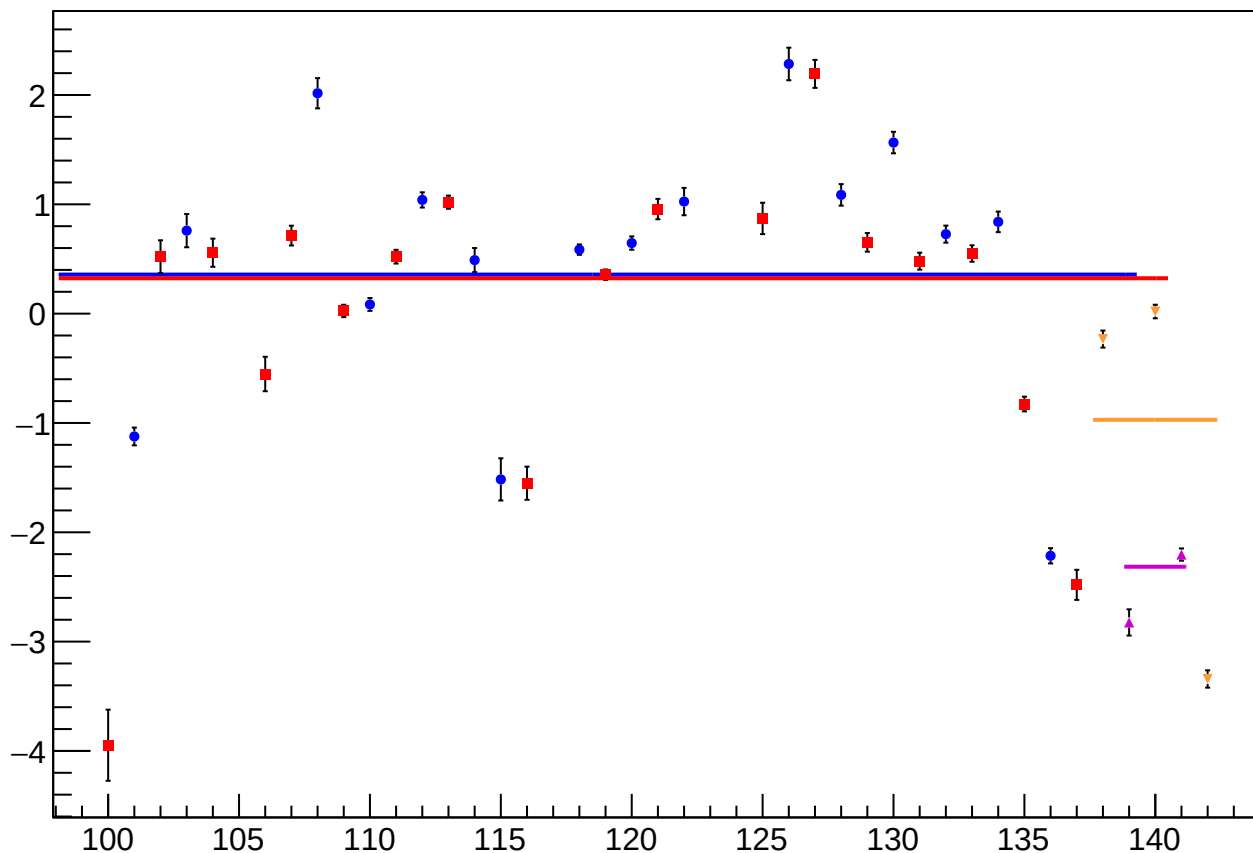
Left In: 12.794 ± 0.050 $\chi^2/\text{NDF}: 1148.1/1$

+ sign 0.508 ± 0.017 $\chi^2/\text{NDF}: 157396.6/18$

All: 0.459 ± 0.011 $\chi^2/\text{NDF}: 303392.6/38$

- sign 0.421 ± 0.015 $\chi^2/\text{NDF}: 145981.9/19$

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.357 $\pm$ 0.021 χ^2 /NDF: 2543.0/15

Left Out: -0.971 $\pm$ 0.041 χ^2 /NDF:1239.0/2

Right Out: 0.324 $\pm$ 0.020 χ^2 /NDF: 1558.9/17

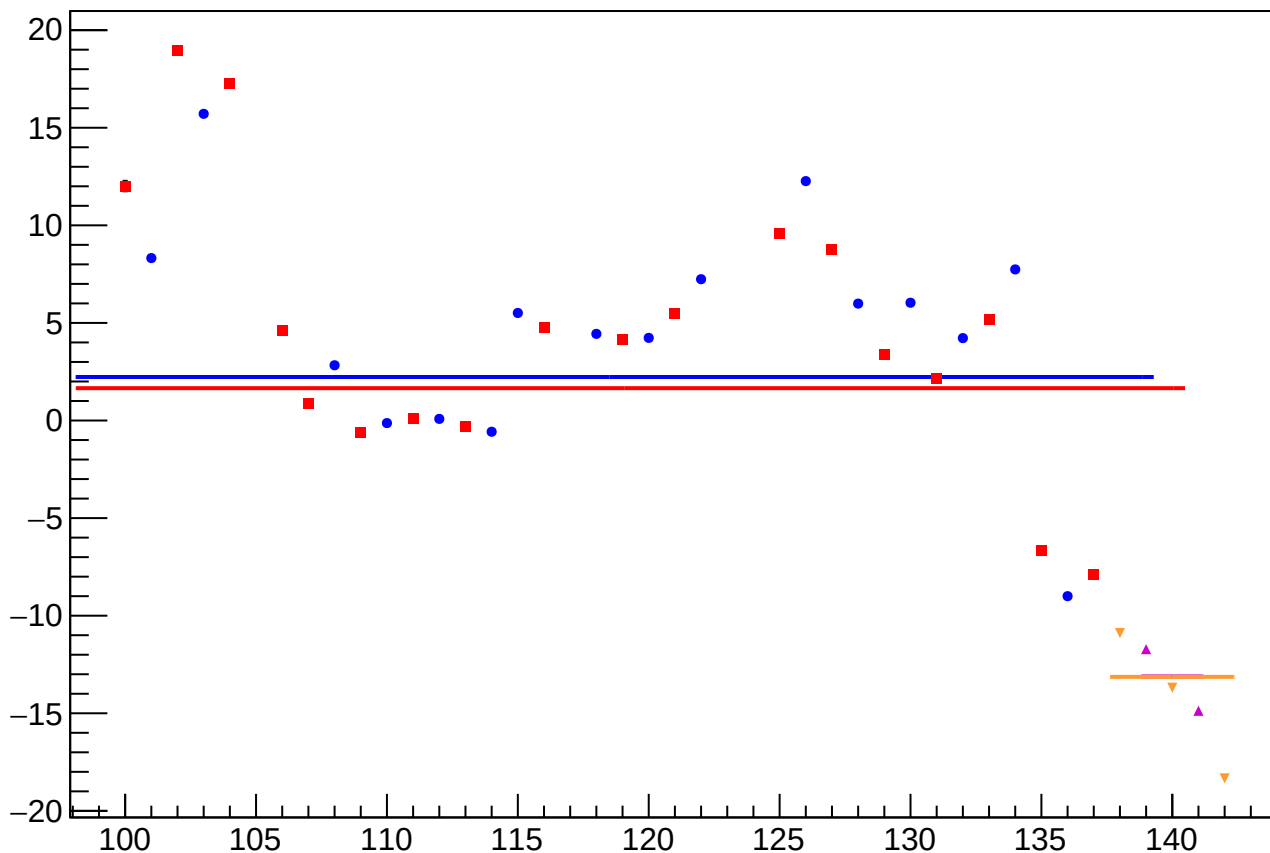
Left In: -2.315 $\pm$ 0.051 χ^2 /NDF:22.0/1

+ sign 0.094 $\pm$ 0.018 χ^2 /NDF: 4606.2/18

All: 0.037 $\pm$ 0.013 χ^2 /NDF: 8548.6/38

- sign -0.021 $\pm$ 0.018 χ^2 /NDF: 3922.8/19

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 2.229 ± 0.022 χ^2/NDF : 69187.1/15

Left Out: -13.134 ± 0.048 χ^2/NDF : 2787.4/2

Right Out: 1.657 ± 0.020 χ^2/NDF : 72797.4/17

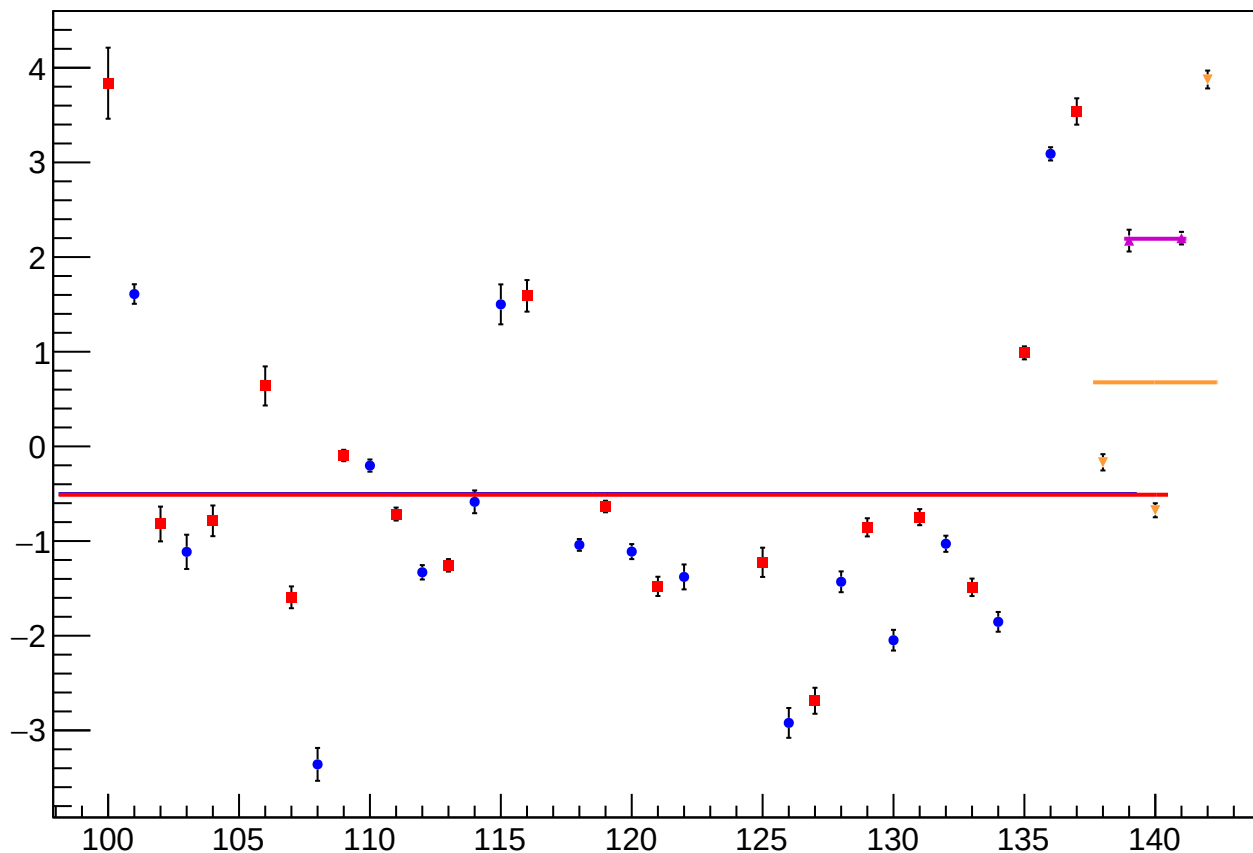
Left In: -13.112 ± 0.052 χ^2/NDF : 909.9/1

+ sign -0.456 ± 0.020 χ^2/NDF : 155236.8/18

All: -0.384 ± 0.014 χ^2/NDF : 298834.9/38

- sign -0.321 ± 0.019 χ^2/NDF : 143574.6/19

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.504 ± 0.024 χ^2/NDF : 4447.2/15

Left Out: 0.677 ± 0.048 χ^2/NDF : 1576.7/2

Right Out: -0.511 ± 0.022 χ^2/NDF : 2424.0/17

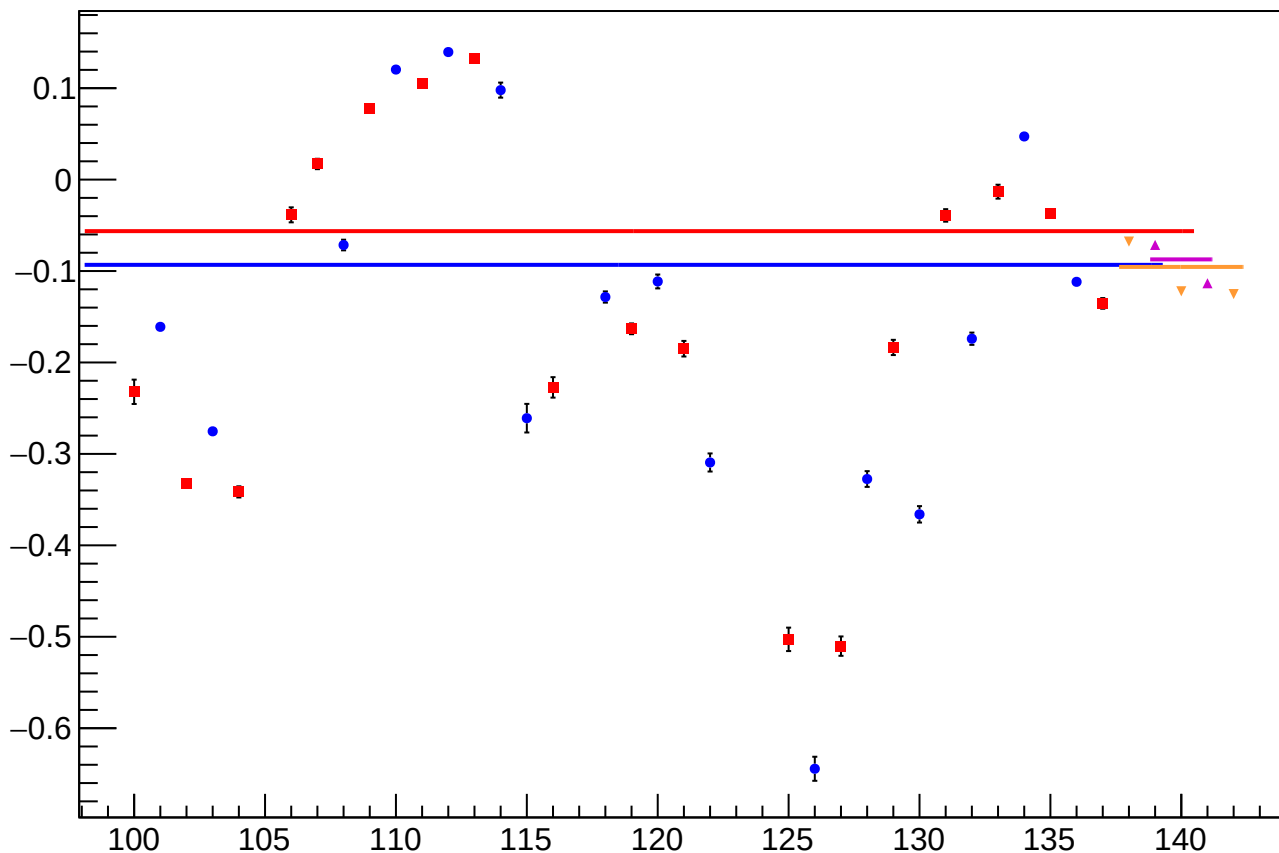
Left In: 2.193 ± 0.058 χ^2/NDF : 0.0/1

+ sign -0.274 ± 0.021 χ^2/NDF : 6505.3/18

All: -0.215 ± 0.015 χ^2/NDF : 10862.3/38

- sign -0.159 ± 0.021 χ^2/NDF : 4342.0/19

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: -0.096+/-0.002 χ^2/NDF : 197.3/2

Right Out: -0.056+/-0.001 χ^2/NDF : 14457.4/17

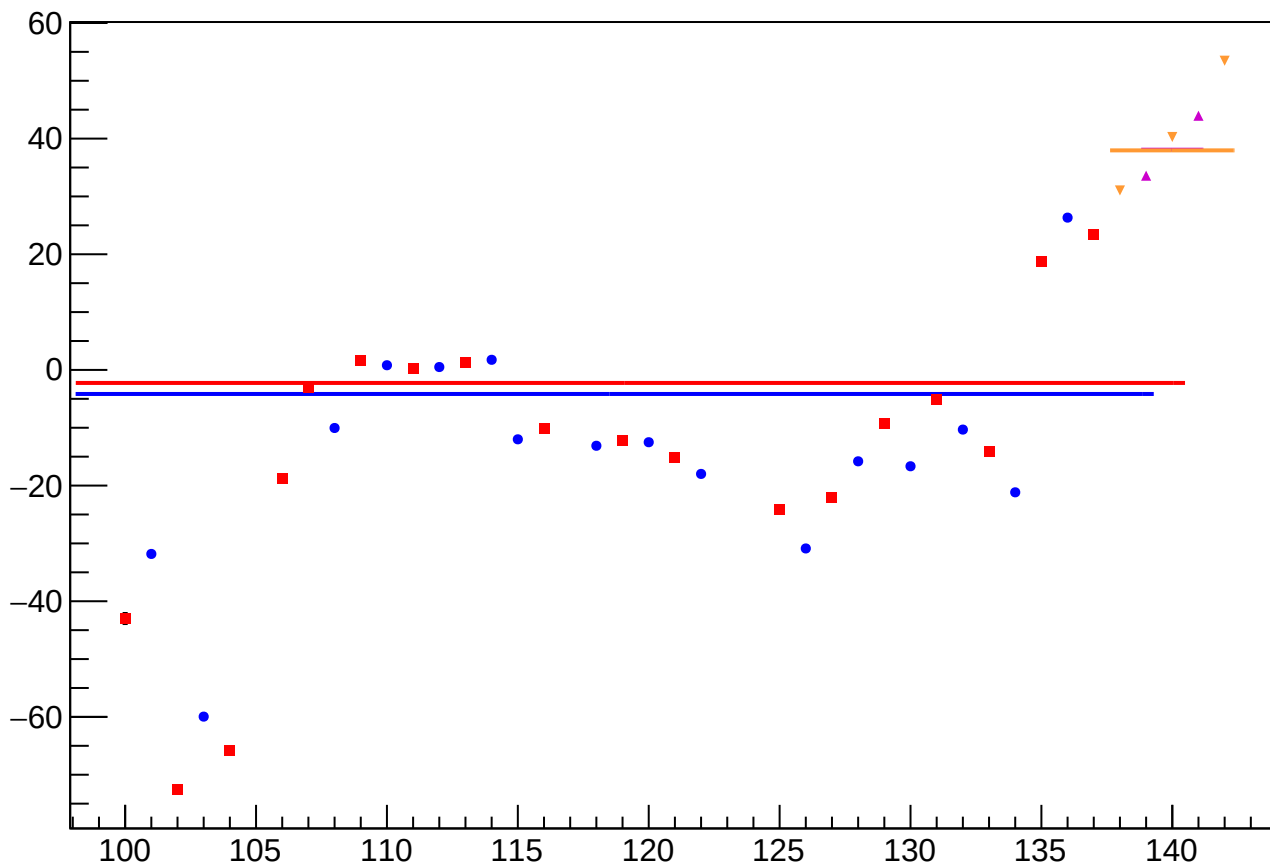
Left In: -0.087+/-0.002 χ^2/NDF : 108.4/1

+ sign -0.094+/-0.001 χ^2/NDF : 11940.5/18

All: -0.079+/-0.001 χ^2/NDF : 26995.3/38

- sign -0.066+/-0.001 χ^2/NDF : 14738.9/19

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug



Right In: -4.159 ± 0.054 χ^2/NDF : 75420.4/15

Left Out: 37.965 ± 0.137 χ^2/NDF : 3199.2/2

Right Out: -2.251 ± 0.046 χ^2/NDF : 79637.5/17

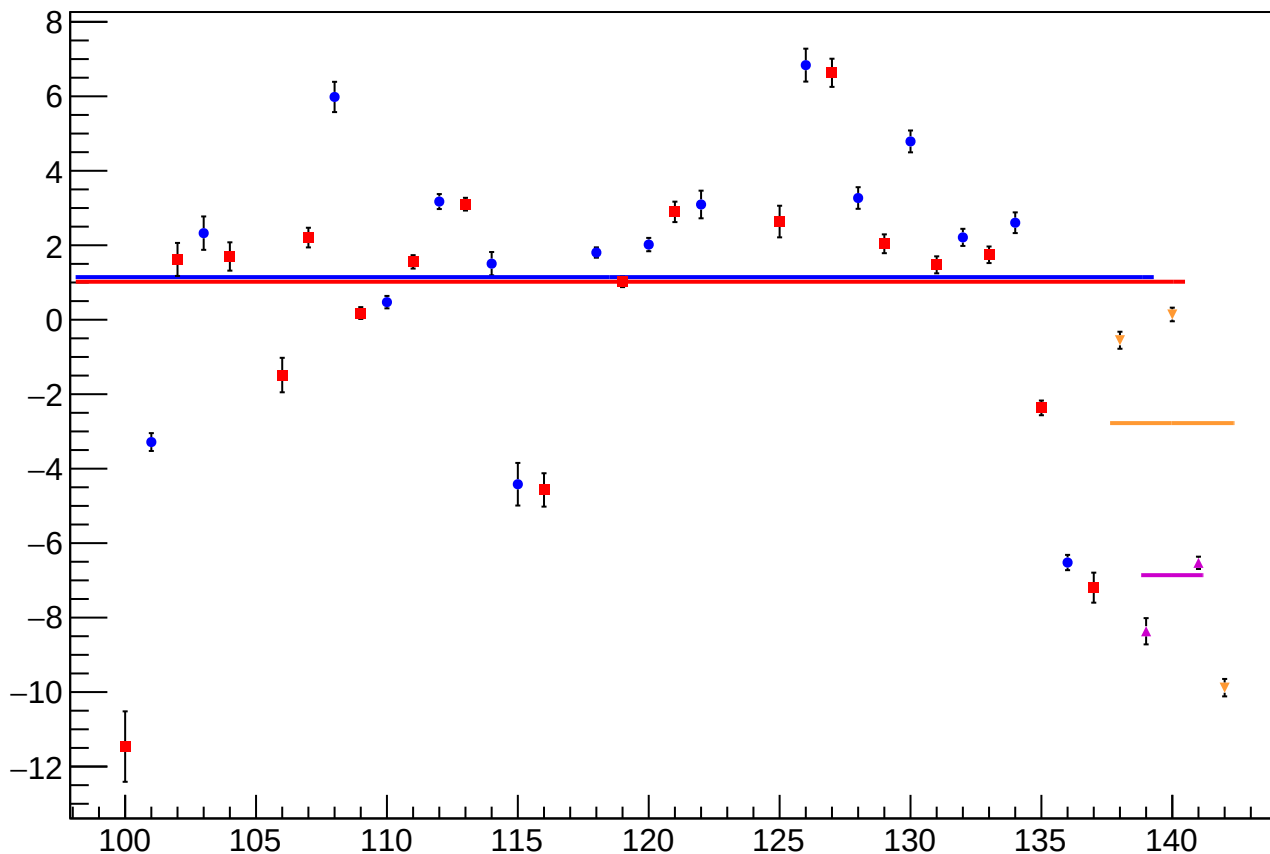
Left In: 38.079 ± 0.148 χ^2/NDF : 1208.5/1

+ sign 1.568 ± 0.051 χ^2/NDF : 160205.4/18

All: 1.419 ± 0.033 χ^2/NDF : 308981.1/38

- sign 1.307 ± 0.044 χ^2/NDF : 148760.5/19

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: -2.776 $\pm$ 0.122 χ^2 /NDF:1269.6/2

Right Out: 1.021 $\pm$ 0.057 χ^2 /NDF: 1591.2/17

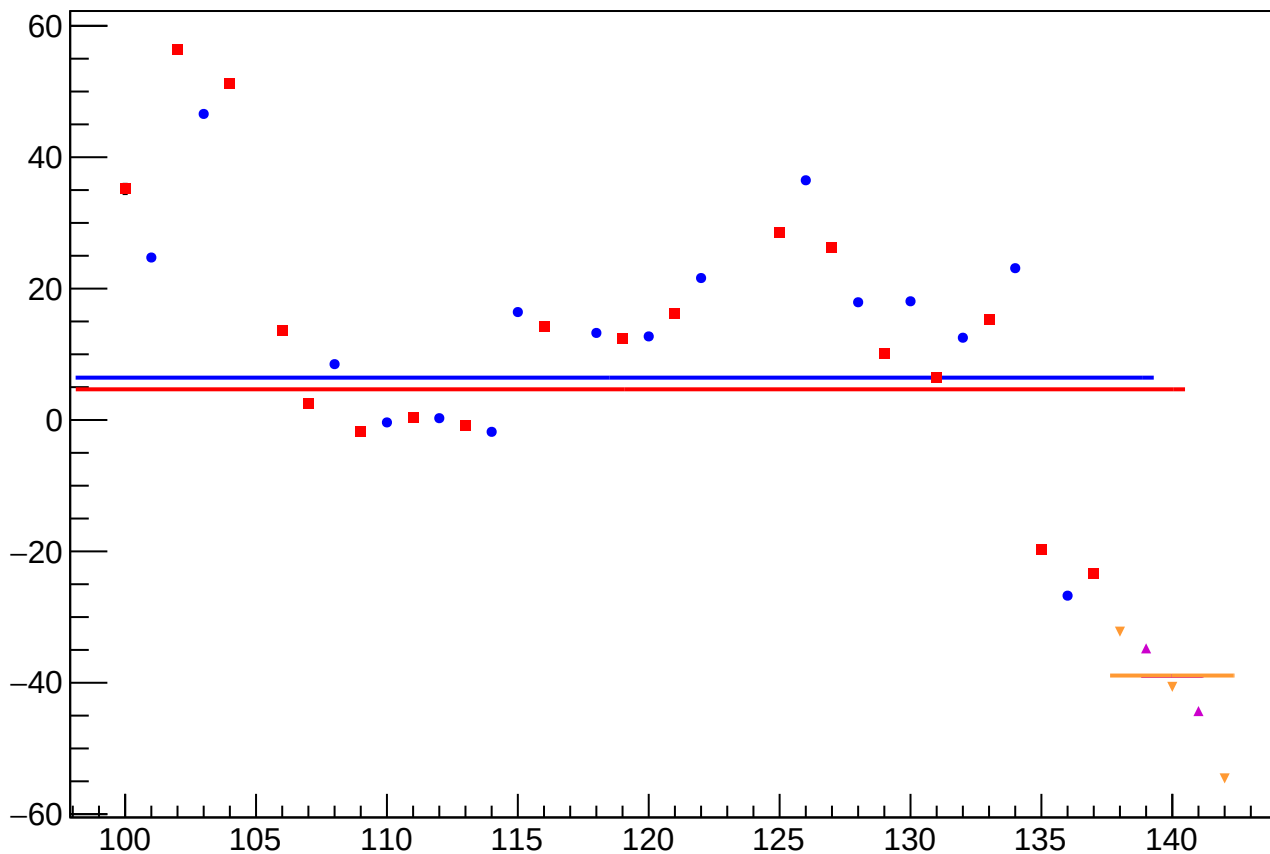
Left In: -6.860 $\pm$ 0.150 χ^2 /NDF:22.3/1

+ sign 0.378 $\pm$ 0.054 χ^2 /NDF: 4695.9/18

All: 0.197 $\pm$ 0.038 χ^2 /NDF: 8749.3/38

- sign 0.019 $\pm$ 0.053 χ^2 /NDF: 4031.0/19

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: -38.900 ± 0.142 χ^2/NDF : 2892.2/2

Right Out: 4.671 ± 0.059 χ^2/NDF : 74420.3/17

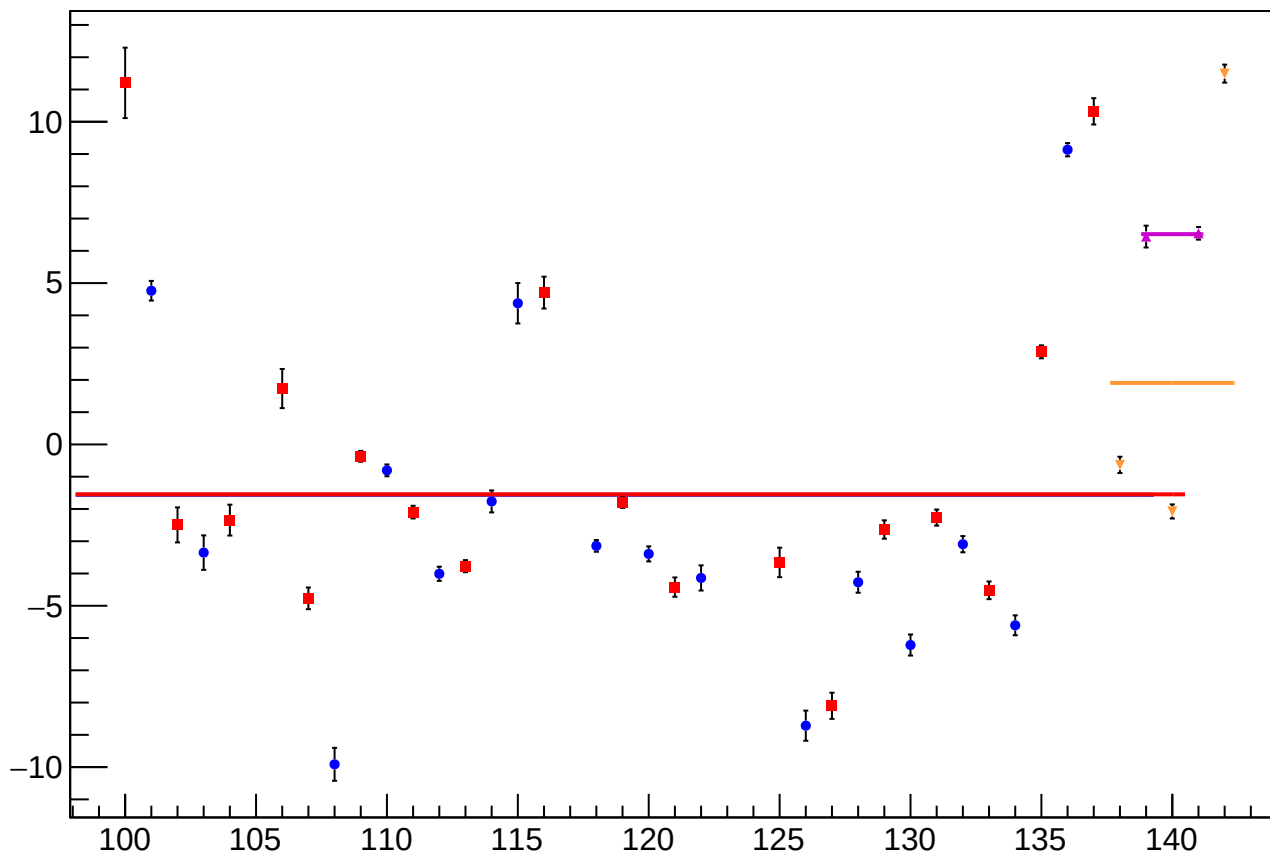
Left In: -38.970 ± 0.153 χ^2/NDF : 960.4/1

+ sign -1.377 ± 0.059 χ^2/NDF : 157991.9/18

All: -1.167 ± 0.040 χ^2/NDF : 304265.1/38

- sign -0.984 ± 0.055 χ^2/NDF : 146249.4/19

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: 1.907 ± 0.142 χ^2/NDF : 1614.5/2

Right Out: -1.547 ± 0.064 χ^2/NDF : 2470.1/17

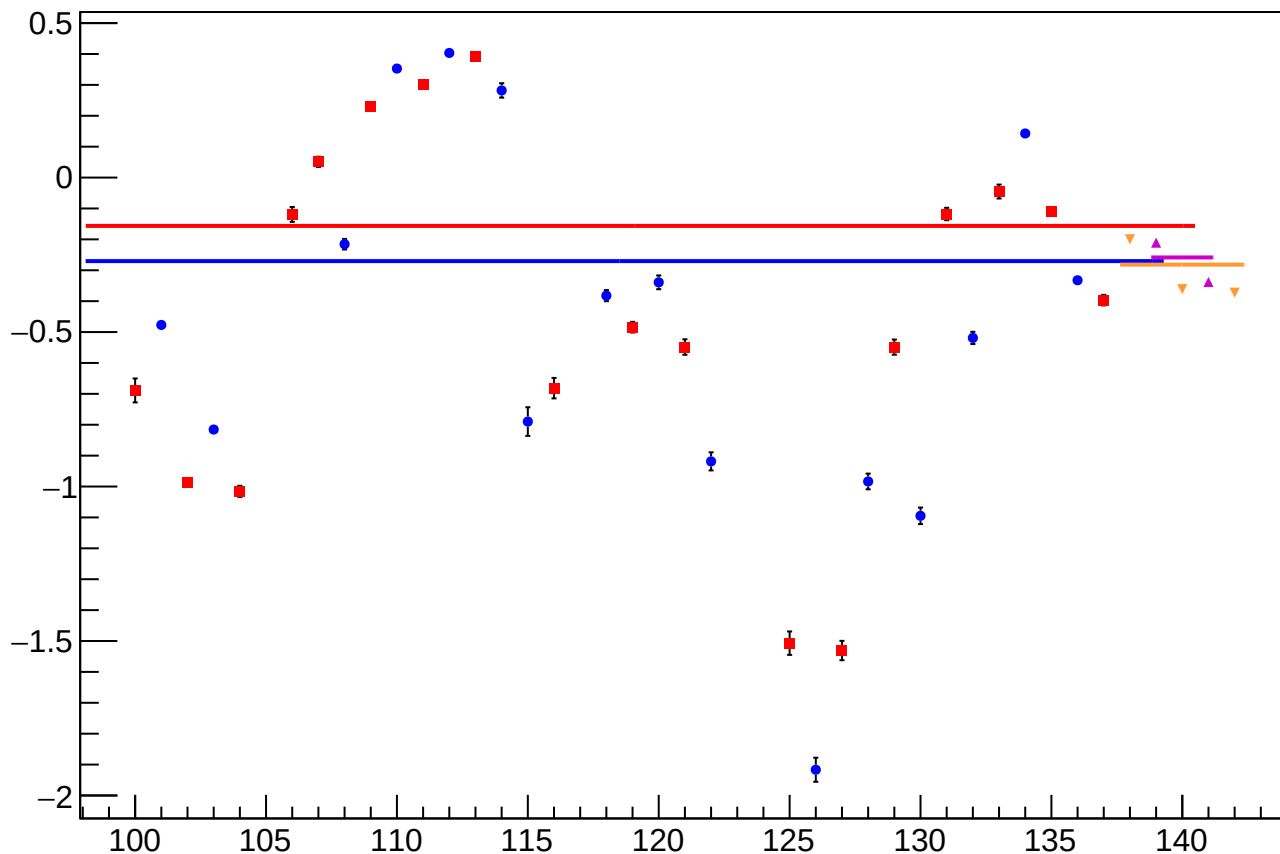
Left In: 6.517 ± 0.170 χ^2/NDF : 0.1/1

+ sign -0.894 ± 0.062 χ^2/NDF : 6637.9/18

All: -0.705 ± 0.043 χ^2/NDF : 11101.0/38

- sign -0.528 ± 0.060 χ^2/NDF : 4445.2/19

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.270 ± 0.004 χ^2/NDF : 12096.8/15

Left Out: -0.282 ± 0.006 χ^2/NDF : 203.4/2

Right Out: -0.156 ± 0.004 χ^2/NDF : 15030.0/17

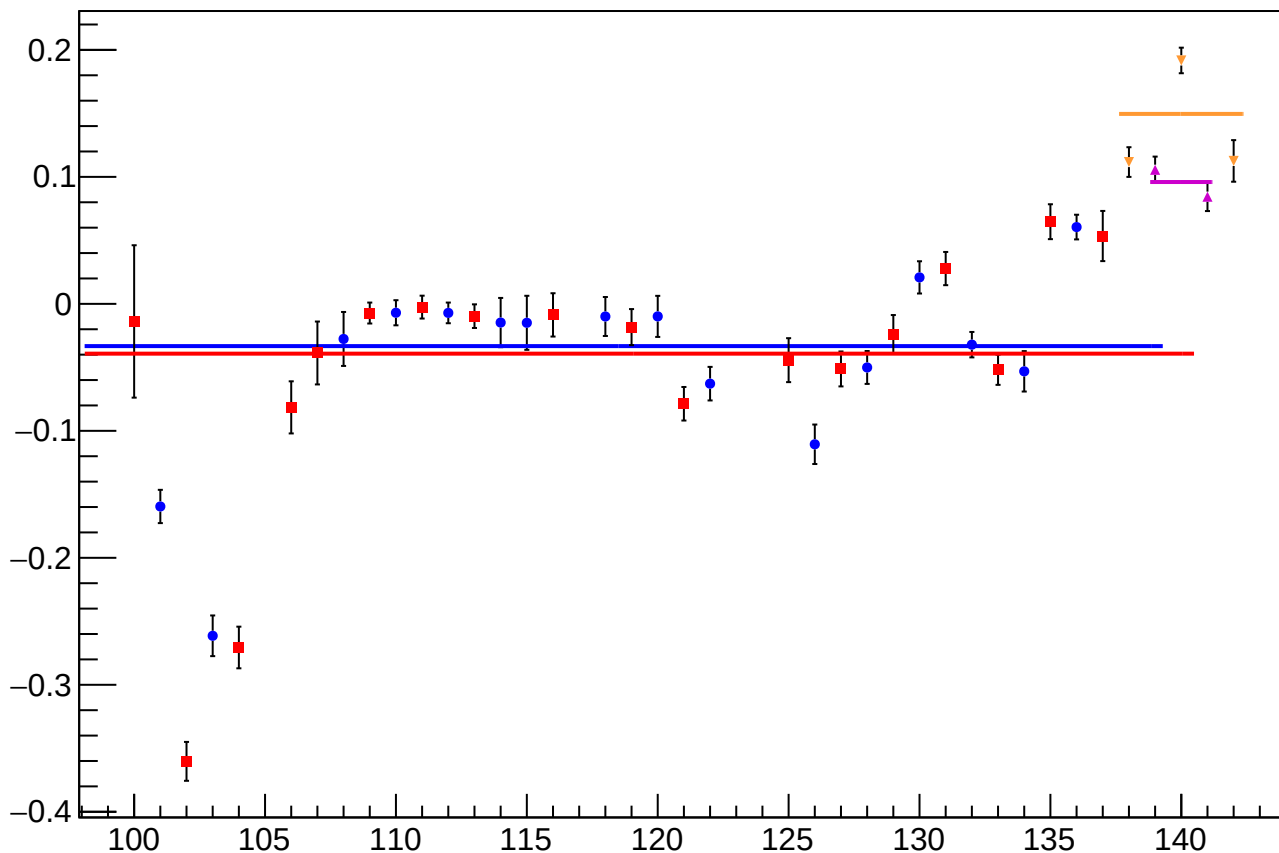
Left In: -0.259 ± 0.006 χ^2/NDF : 115.5/1

+ sign -0.274 ± 0.003 χ^2/NDF : 12302.8/18

All: -0.228 ± 0.002 χ^2/NDF : 28021.9/38

- sign -0.187 ± 0.003 χ^2/NDF : 15365.8/19

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.033 $\pm$ 0.003 χ^2/NDF : 463.5/15

Left Out: 0.150 $\pm$ 0.007 χ^2/NDF : 33.1/2

Right Out: -0.039 $\pm$ 0.003 χ^2/NDF : 807.6/17

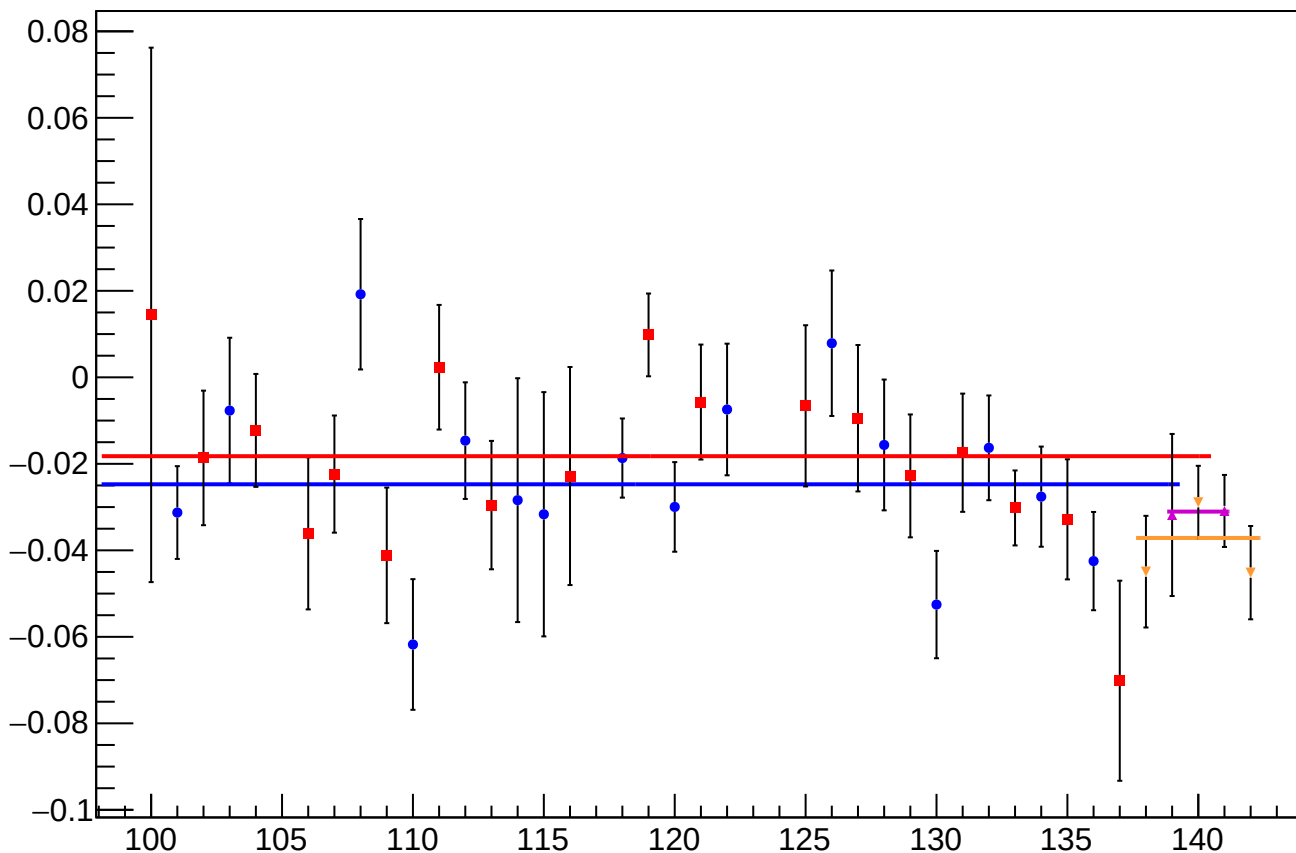
Left In: 0.096 $\pm$ 0.008 χ^2/NDF : 1.9/1

+ sign -0.001 $\pm$ 0.003 χ^2/NDF : 1071.6/18

All: -0.010 $\pm$ 0.002 χ^2/NDF : 2167.6/38

- sign -0.019 $\pm$ 0.003 χ^2/NDF : 1076.1/19

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: -0.037 ± 0.006 χ^2/NDF : 1.9/2

Right Out: -0.018 ± 0.003 χ^2/NDF : 24.7/17

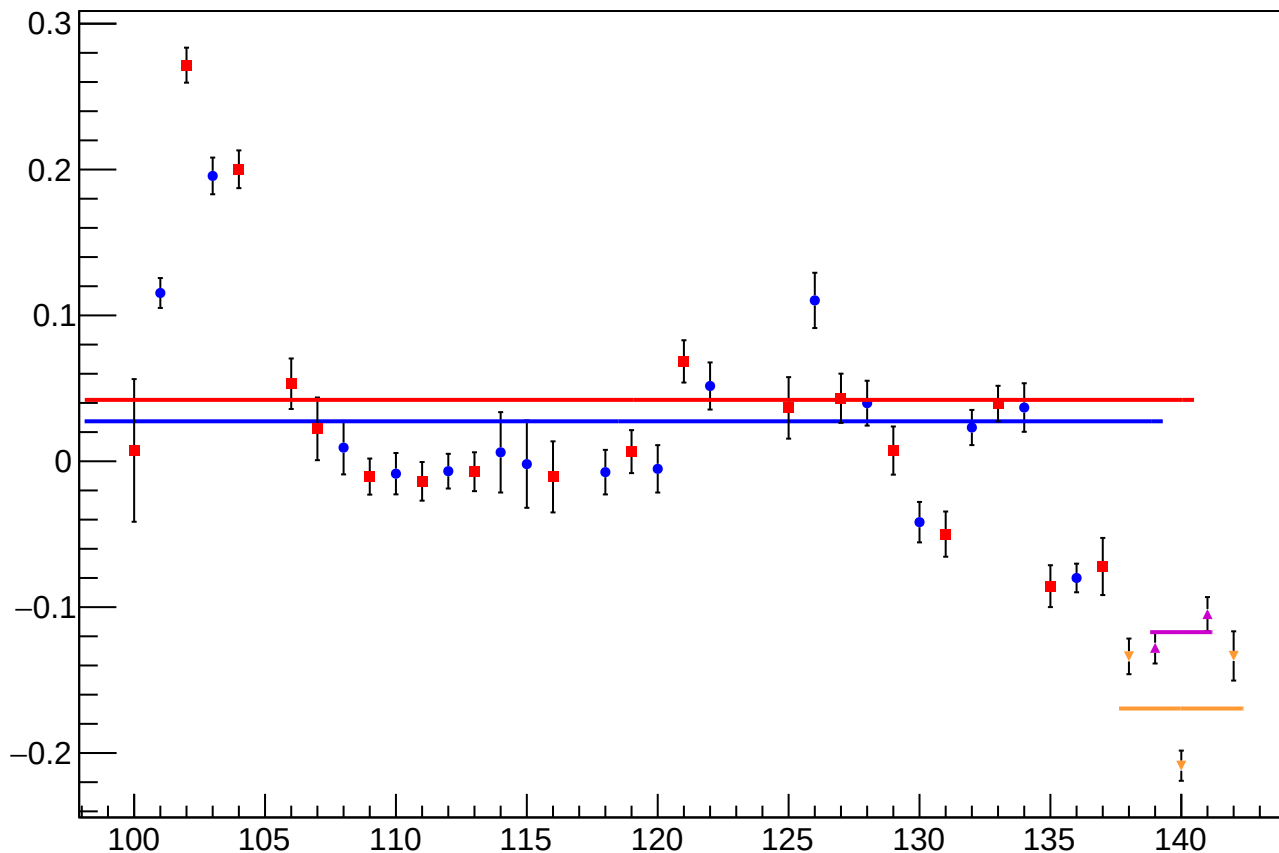
Left In: -0.031 ± 0.008 χ^2/NDF : 0.0/1

+ sign -0.028 ± 0.003 χ^2/NDF : 33.8/18

All: -0.024 ± 0.002 χ^2/NDF : 63.9/38

- sign -0.020 ± 0.003 χ^2/NDF : 27.1/19

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: -0.169 ± 0.007 χ^2/NDF : 27.4/2

Right Out: 0.042 ± 0.004 χ^2/NDF : 733.2/17

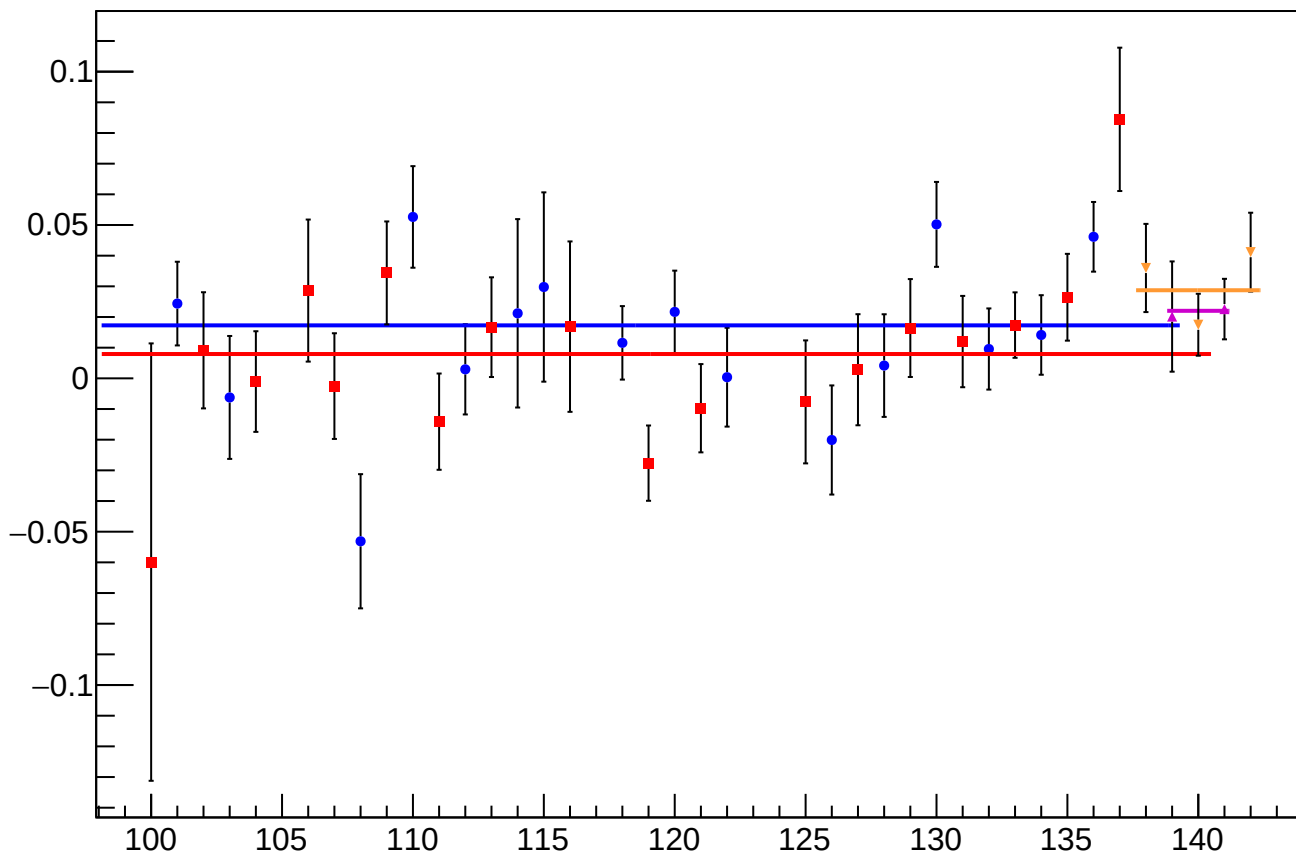
Left In: -0.117 ± 0.008 χ^2/NDF : 2.1/1

+ sign -0.012 ± 0.003 χ^2/NDF : 1079.6/18

All: 0.001 ± 0.002 χ^2/NDF : 2182.2/38

- sign 0.014 ± 0.003 χ^2/NDF : 1070.2/19

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: 0.029 $\pm$ 0.007 χ^2 /NDF: 2.4/2

Right Out: 0.008 $\pm$ 0.004 χ^2 /NDF: 31.4/17

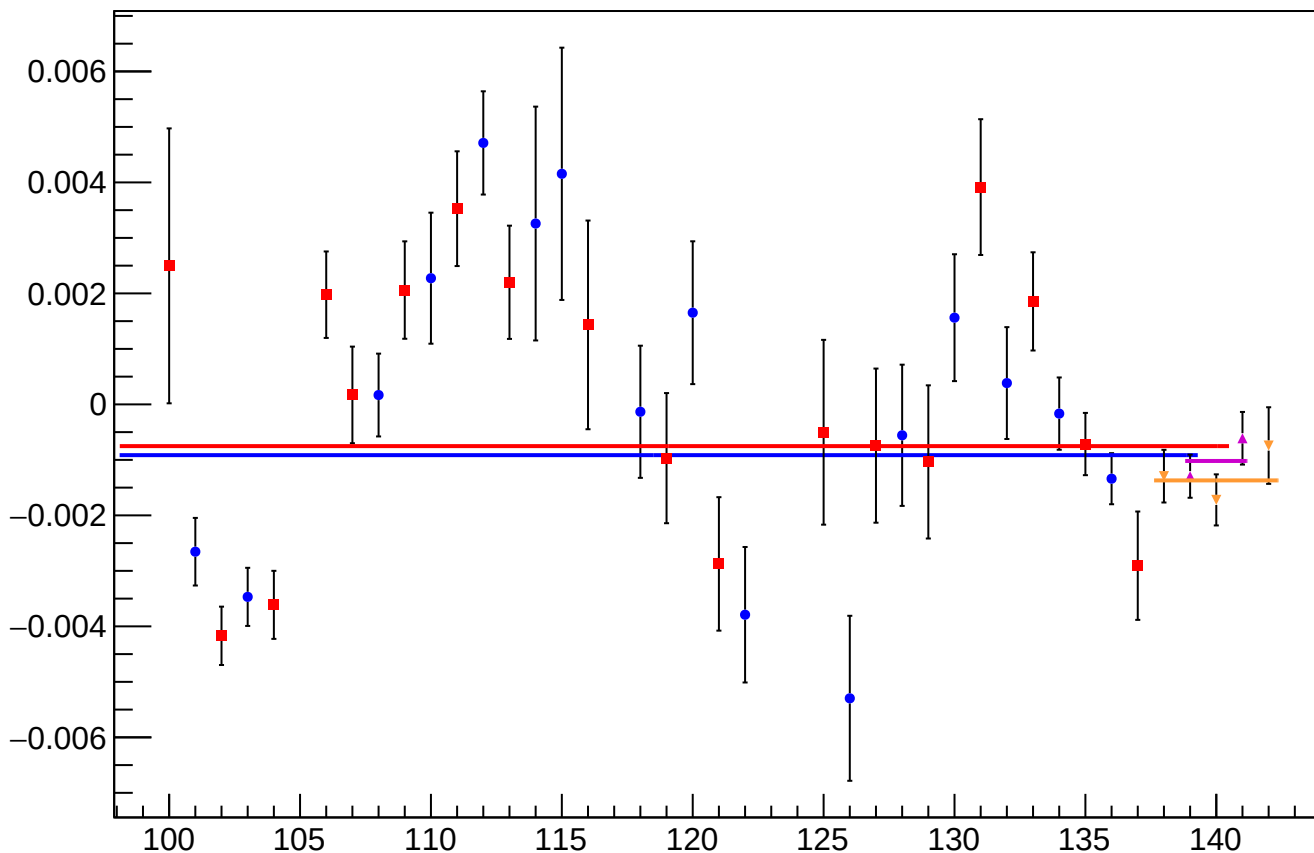
Left In: 0.022 $\pm$ 0.009 χ^2 /NDF: 0.0/1

+ sign 0.020 $\pm$ 0.003 χ^2 /NDF: 41.2/18

All: 0.015 $\pm$ 0.002 χ^2 /NDF: 78.6/38

- sign 0.010 $\pm$ 0.004 χ^2 /NDF: 33.6/19

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.001+/-0.000 χ^2/NDF : 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF : 1.4/2

Right Out: -0.001+/-0.000 χ^2/NDF : 147.6/17

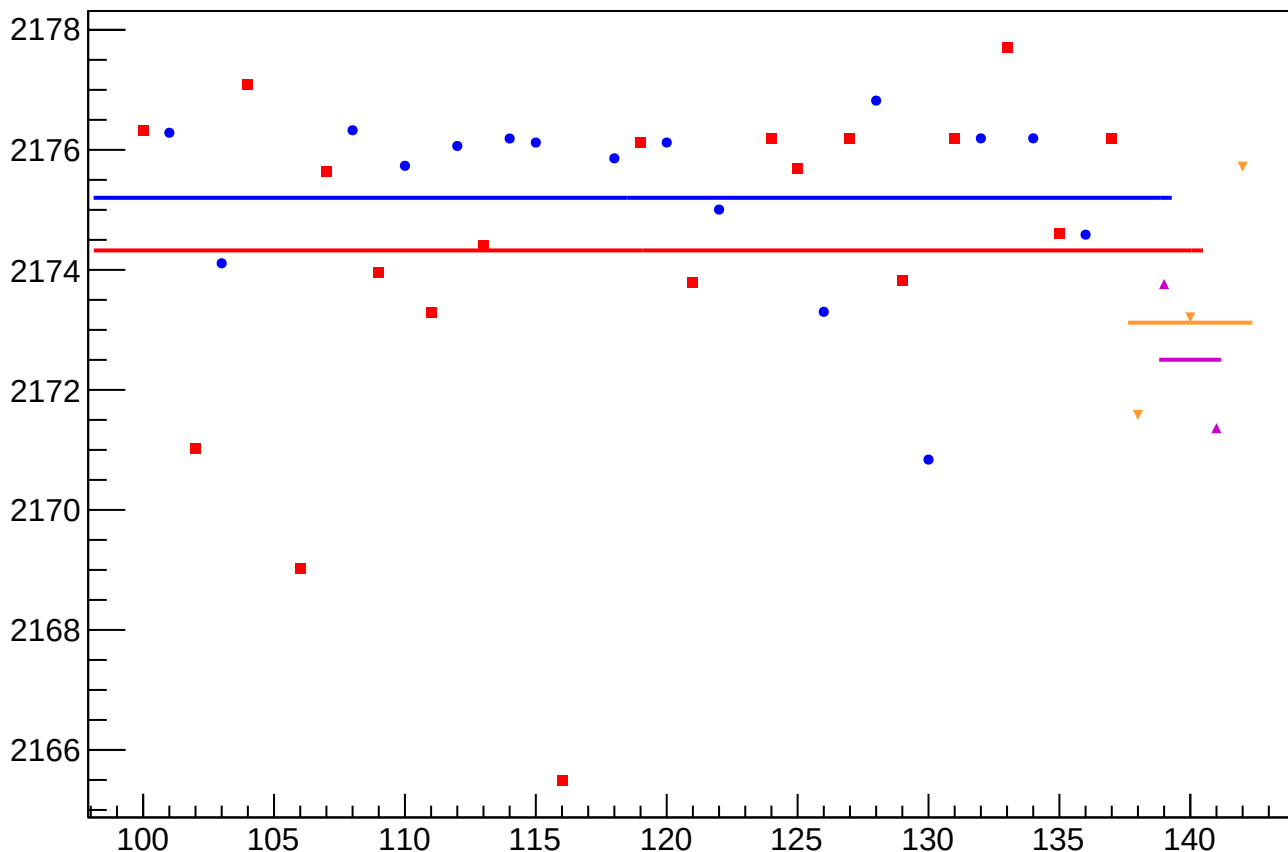
Left In: -0.001+/-0.000 χ^2/NDF : 1.2/1

+ sign -0.001+/-0.000 χ^2/NDF : 117.1/18

All: -0.001+/-0.000 χ^2/NDF : 267.3/38

- sign -0.001+/-0.000 χ^2/NDF : 149.4/19

HALLA_p_mean vs Slug



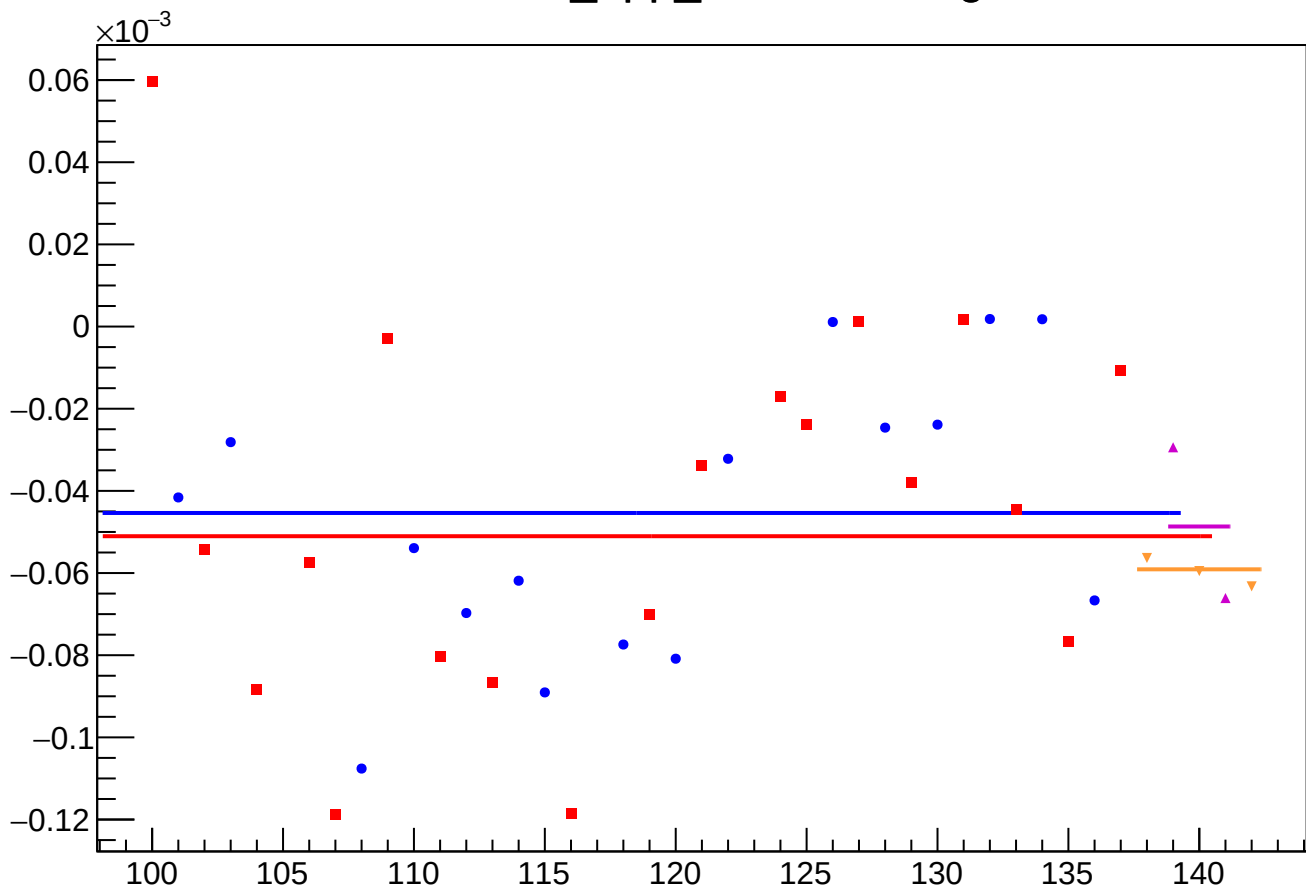
Right In: 2175.201+/-0.000 χ^2/NDF : 1765724072923660180937051331362816.0/15

Left Out: 2173.121+/-0.000 χ^2/NDF : 496330976300862306698720924663808.0/2

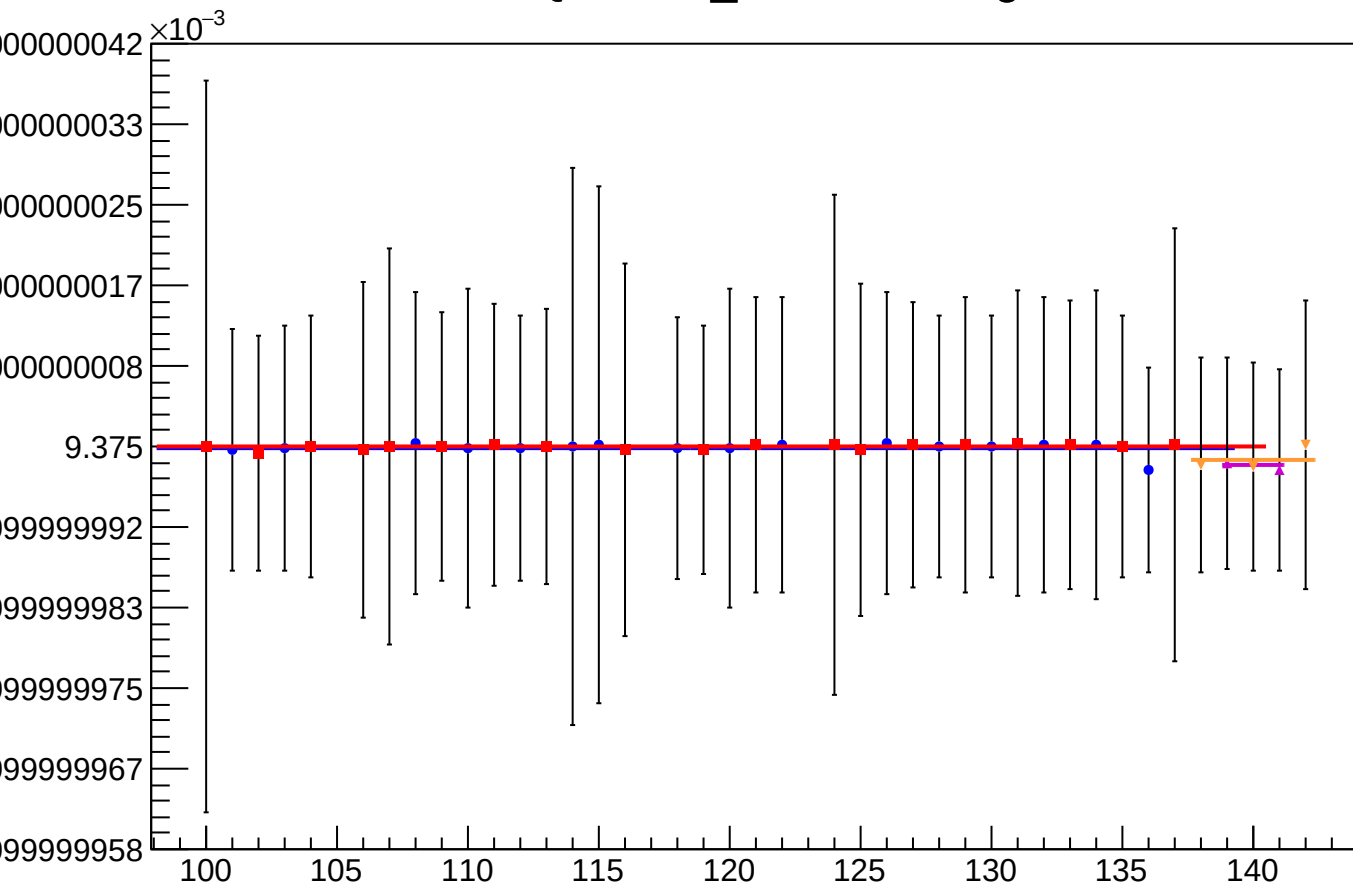
Right Out: 2174.324+/-0.000 χ^2/NDF : 5542239415681046928723527201718272.0/18

Left In: 2172.503+/-0.000 χ^2/NDF : 254481742495258749255308678266880.0/1

HALLA_dpp_mean vs Slug



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:0.0/2

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

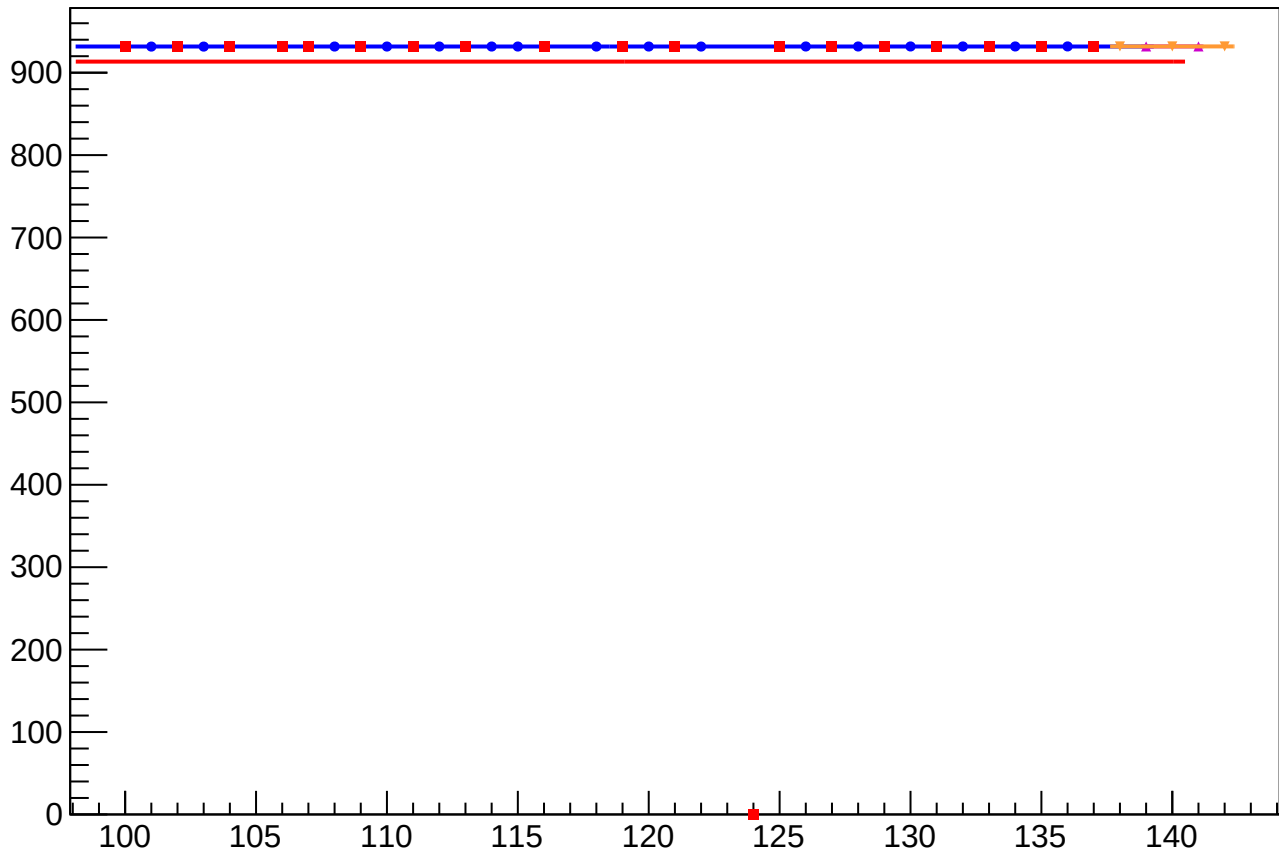
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/39

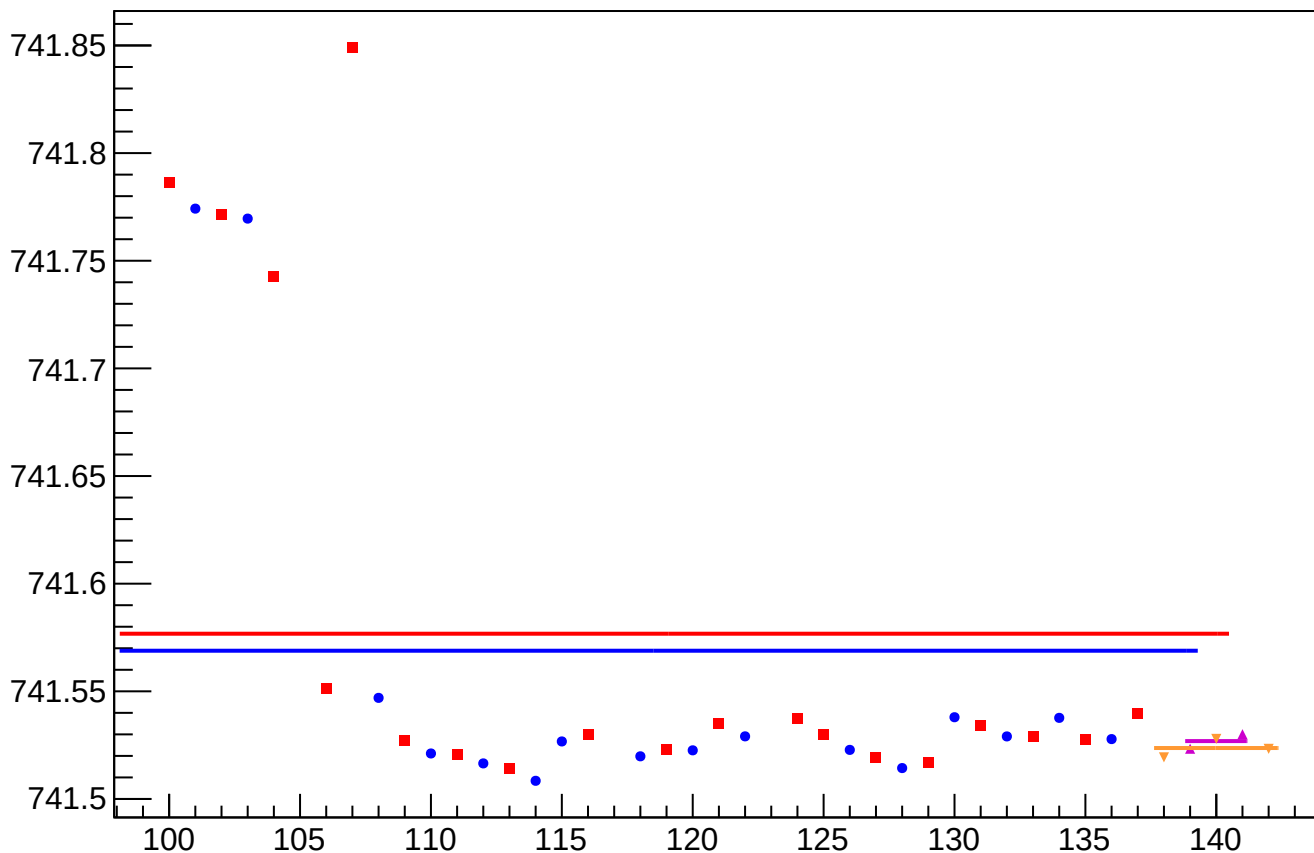
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF : 2757217223595001187167685836800.0/15
 Left Out: 931.872+/-0.000 χ^2/NDF : 12612703911818218487997792256.0/2
 Right Out: 913.447+/-0.000 χ^2/NDF : 12765879635094435683491886518824337408.0/18
 Left In: 931.872+/-0.000 χ^2/NDF : 1860169124753276056943722496.0/1

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF : 6432951176127947061938899386368.0/15

Left Out: 741.524+/-0.000 χ^2/NDF : 3093701975150737446366347264.0/2

Right Out: 741.577+/-0.000 χ^2/NDF : 7692263947892614711537477615616.0/18

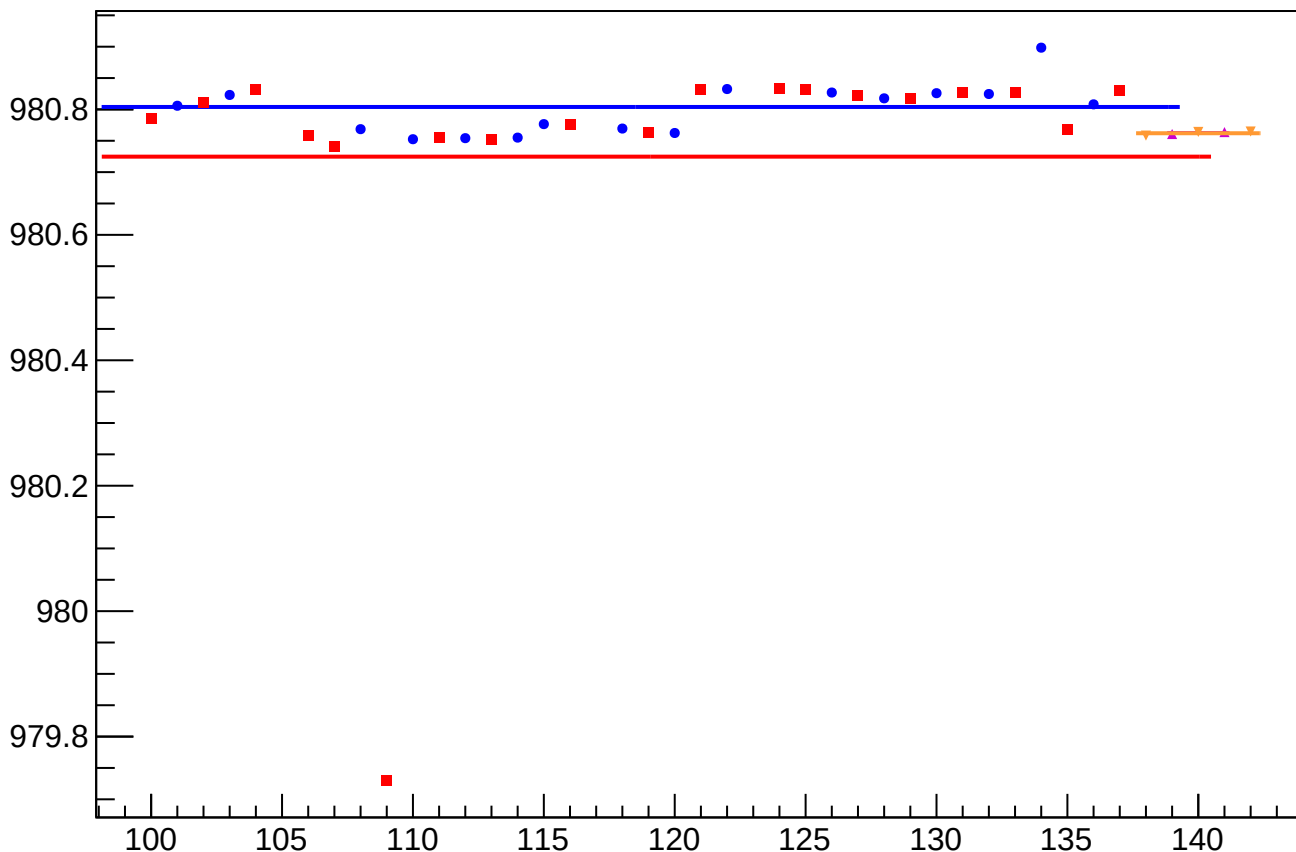
Left In: 741.527+/-0.000 χ^2/NDF : 2011942202477731432821161984.0/1

+ sign 741.559+/-0.000 χ^2/NDF : 677393852517788

All: 741.563+/-0.000 χ^2/NDF : 148605921985

- sign 741.567+/-0.000 χ^2/NDF : 805162678846706

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000

χ^2/NDF : 933313276884807786774245933056.0/15

Left Out: 980.762+/-0.000

χ^2/NDF : 1877059717284577989265195008.0/2

Right Out: 980.725+/-0.000

χ^2/NDF : 56040205617358336221662876270592.0/18

Left In: 980.762+/-0.000

χ^2/NDF : 420628192787965833493086208.0/1

+ sign 980.795+/-0.000

χ^2/NDF : 122560211400502

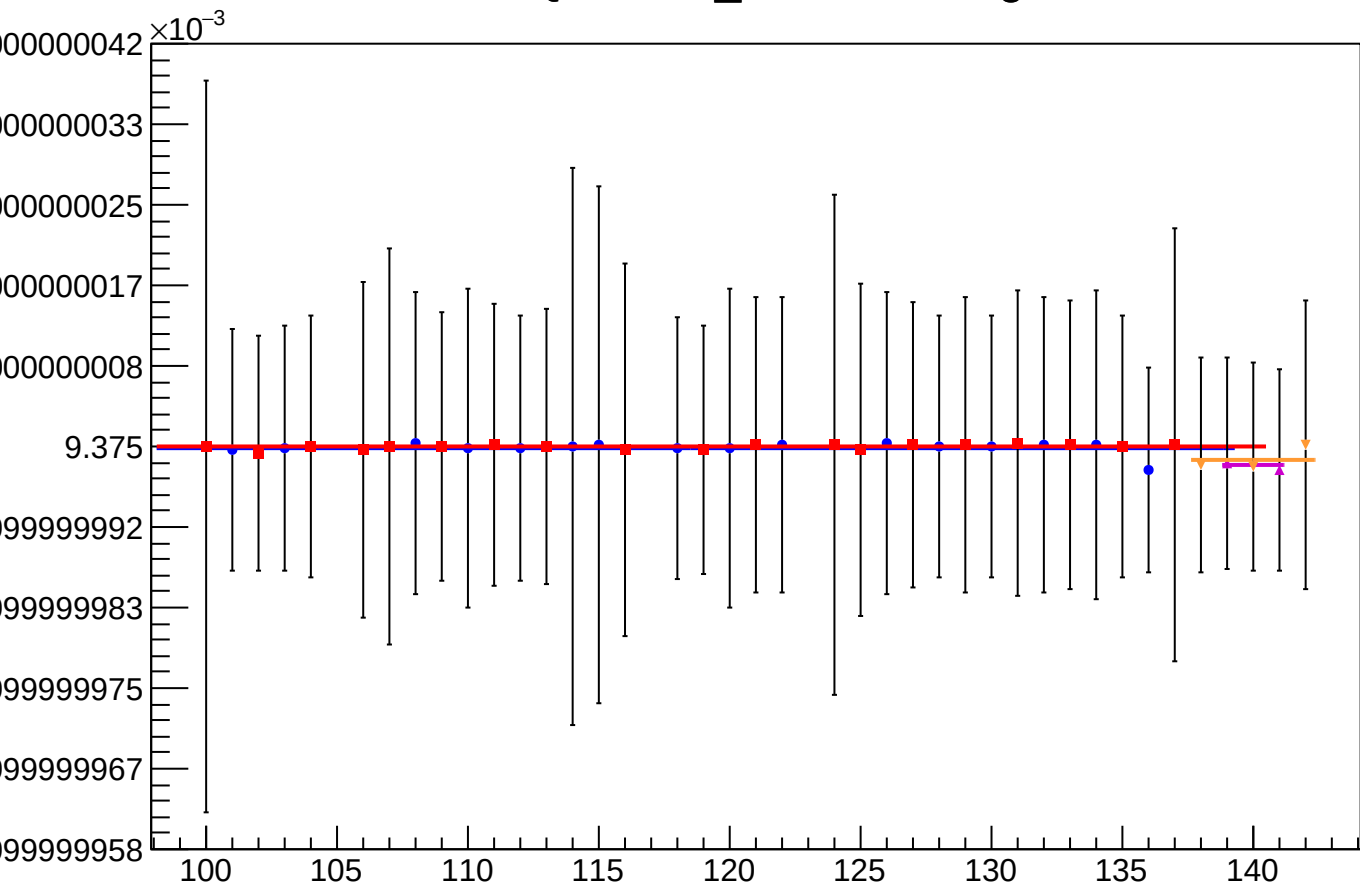
All: 980.763+/-0.000

χ^2/NDF : 593357383195

- sign 980.732+/-0.000

χ^2/NDF : 562450055012843

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: 0.0/2

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

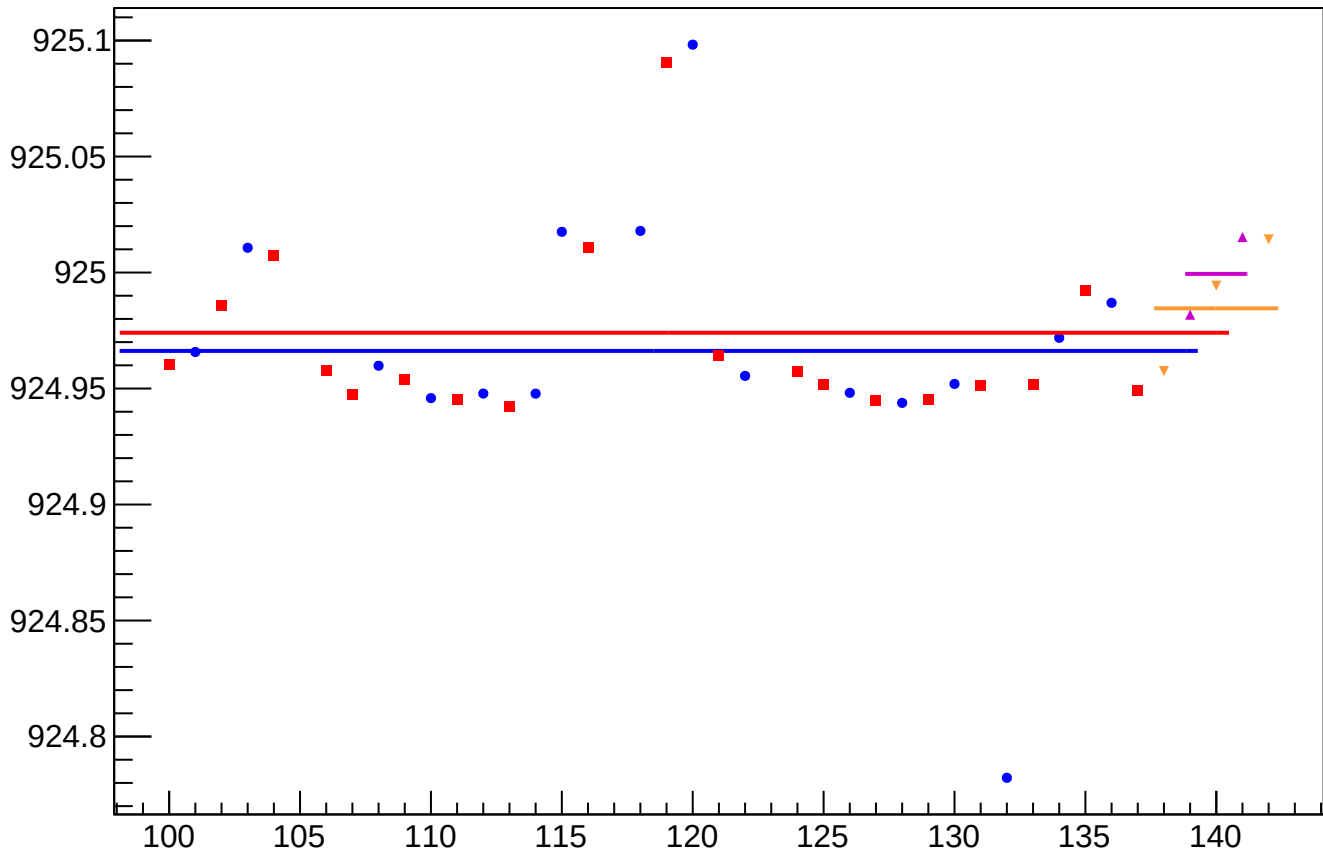
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/39

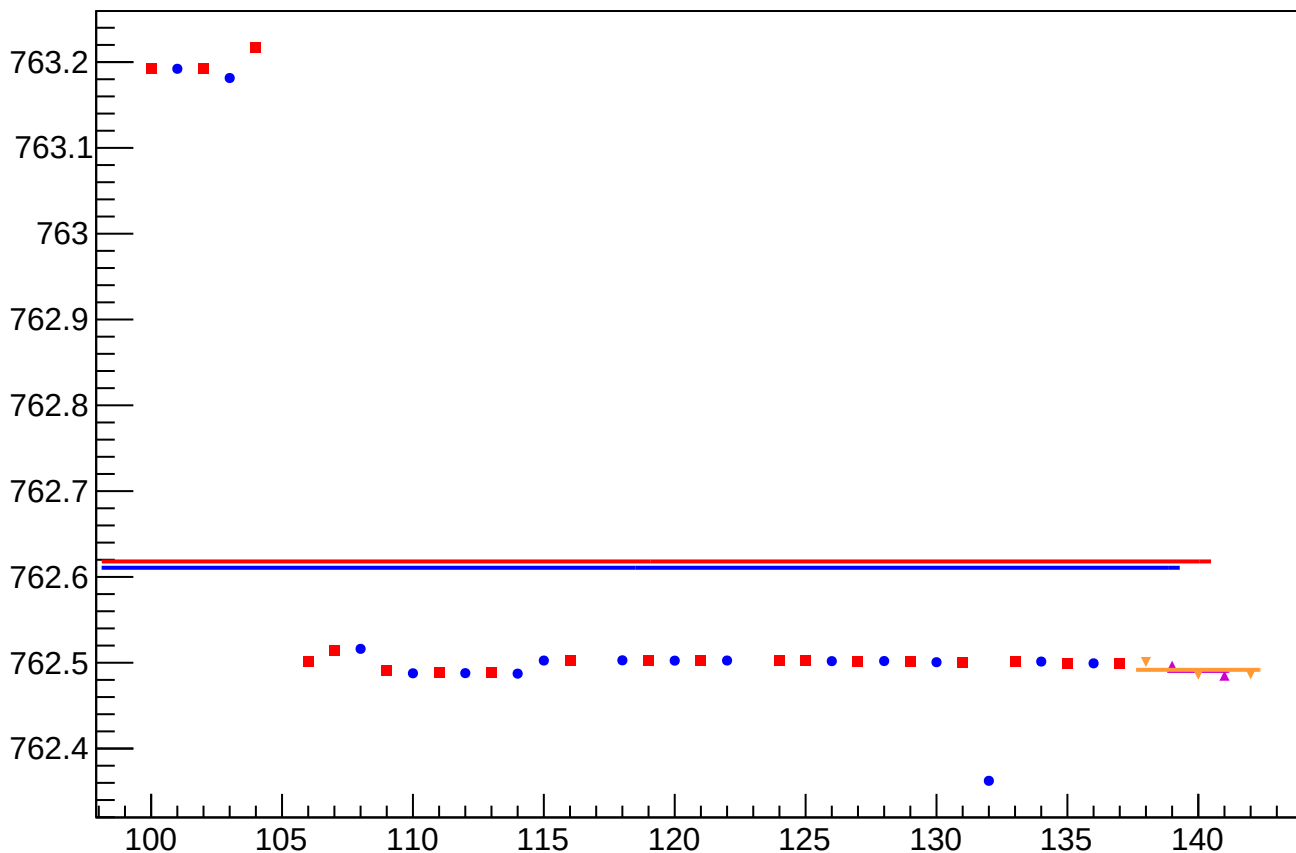
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966 +/- 0.000 χ^2/NDF : 2544370508087658800533037121536.0/15
 Left Out: 924.985 +/- 0.000 χ^2/NDF : 107260629340212240298046128128.0/2
 Right Out: 924.974 +/- 0.000 χ^2/NDF : 1241981521116890900236351832064.0/18
 Left In: 924.999 +/- 0.000 χ^2/NDF : 49401480675229601575546650624.0/1

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF : 52161453489138778834460408283136.0/15

Left Out: 762.492+/-0.000 χ^2/NDF : 10749373272286029358582202368.0/2

Right Out: 762.618+/-0.000 χ^2/NDF : 53134338532630395841297843748864.0/18

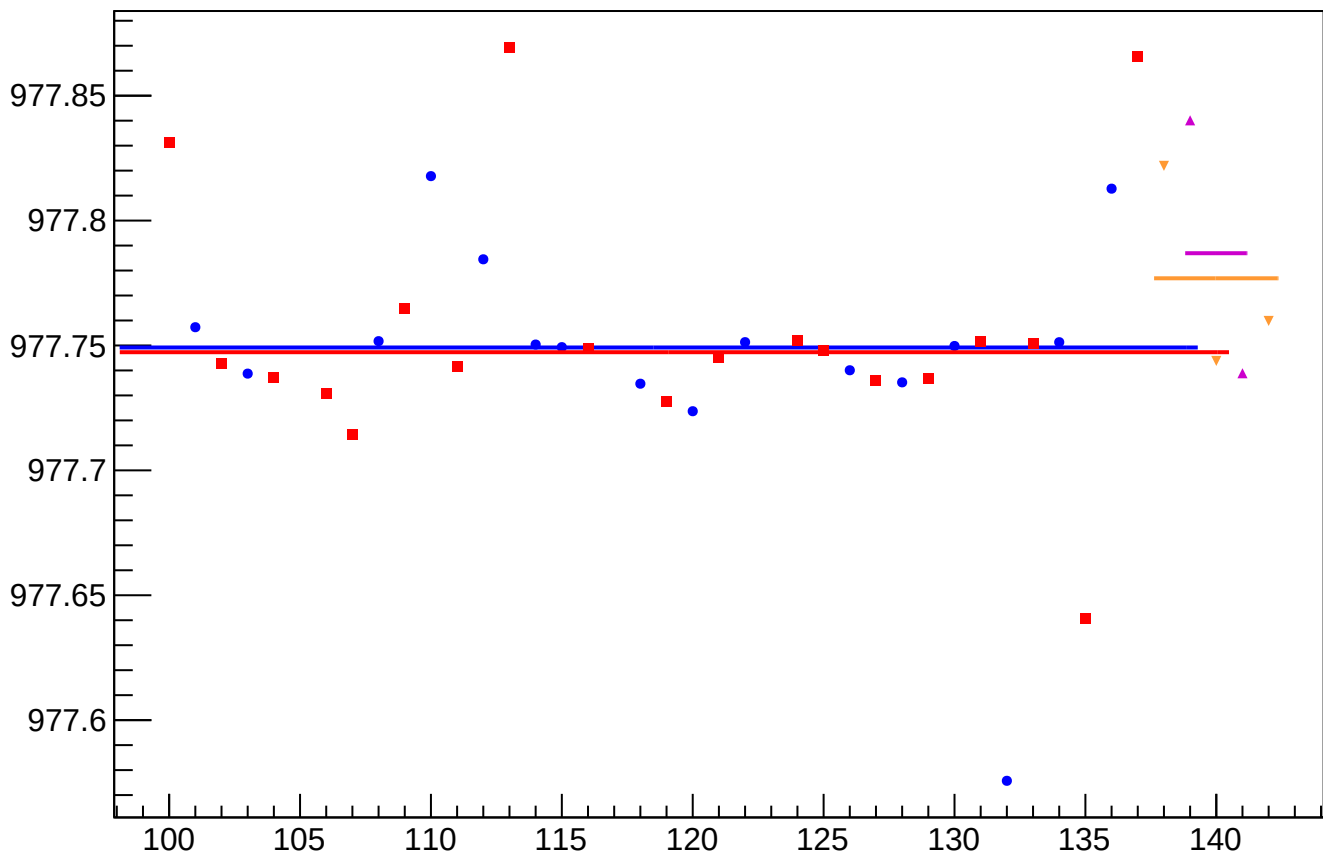
Left In: 762.490+/-0.000 χ^2/NDF : 5969234072706244856374099968.0/1

+ sign 762.584+/-0.000 χ^2/NDF : 545130653702709

All: 762.589+/-0.000 χ^2/NDF : 110038300722

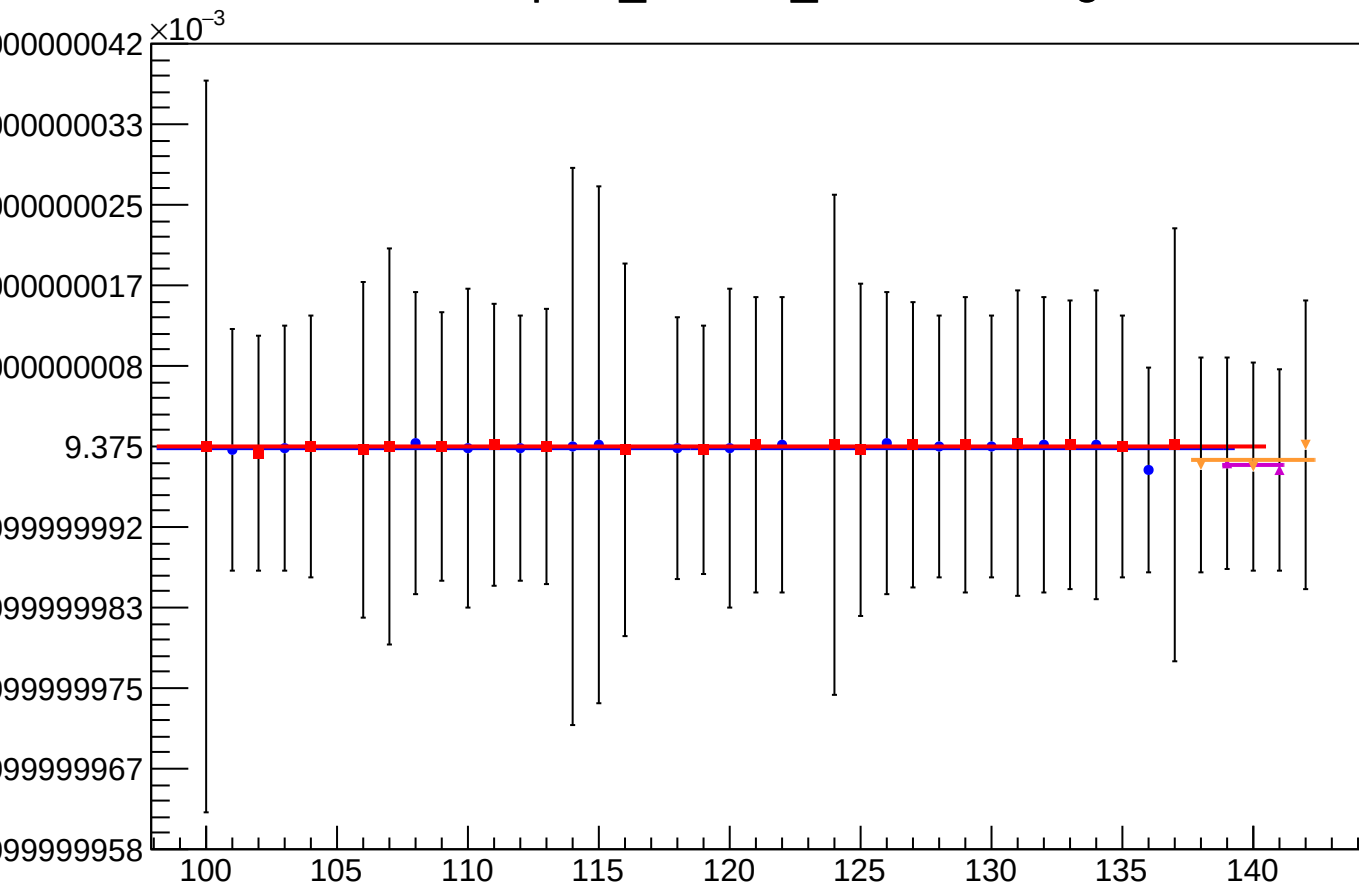
- sign 762.594+/-0.000 χ^2/NDF : 554790053665831

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749 $\pm$ 0.000 χ^2 /NDF: 1959578331072316074448224518144.0/15
 Left Out: 977.777 $\pm$ 0.000 χ^2 /NDF: 272473898800665506595580411904.0/2
 Right Out: 977.747 $\pm$ 0.000 χ^2 /NDF: 1782226877816914726327966236672.0/18
 Left In: 977.787 $\pm$ 0.000 χ^2 /NDF: 452510285473334686763242749952.0/1
 All: 977.755 $\pm$ 0.000 χ^2 /NDF: 481956694205
 + sign 977.755 $\pm$ 0.000 χ^2 /NDF: 235901440594588
 - sign 977.755 $\pm$ 0.000 χ^2 /NDF: 246037558356341

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: 0.0/2

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

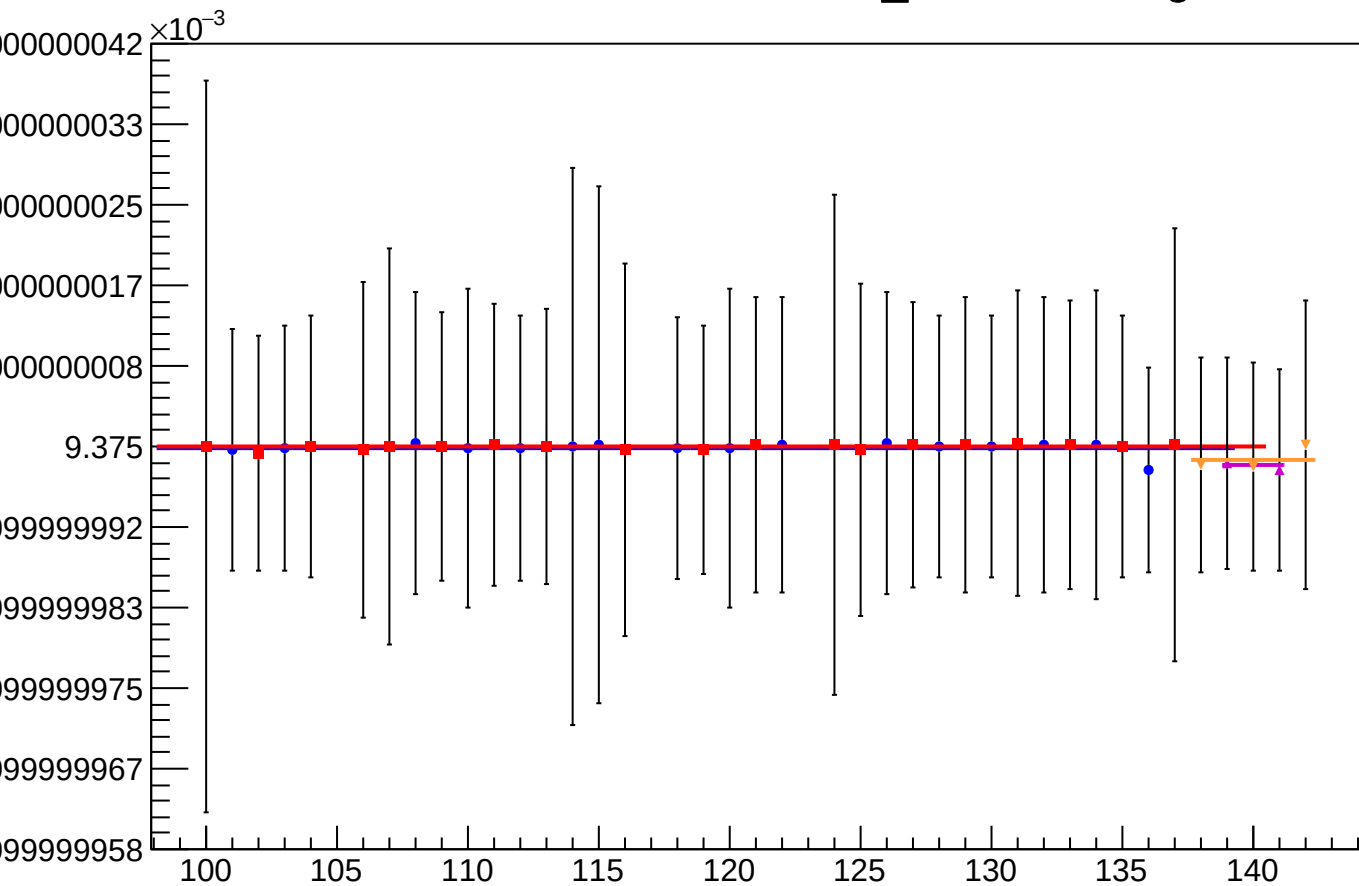
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/39

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

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: 0.0/2

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

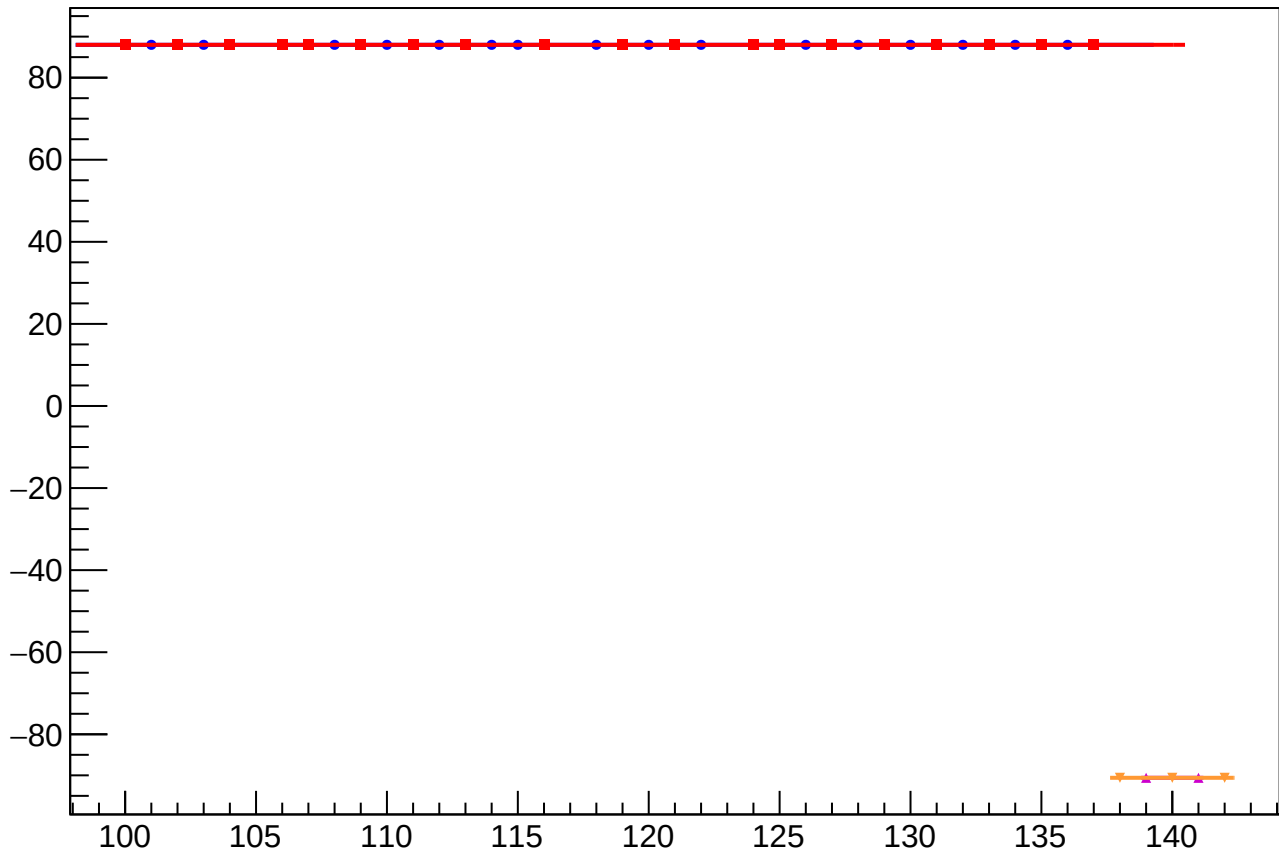
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/39

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1500072.7/15

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 2578477.1/2

Right Out: 88.003 $\pm$ 0.000 χ^2 /NDF: 73227058941379664360176091136.0/18

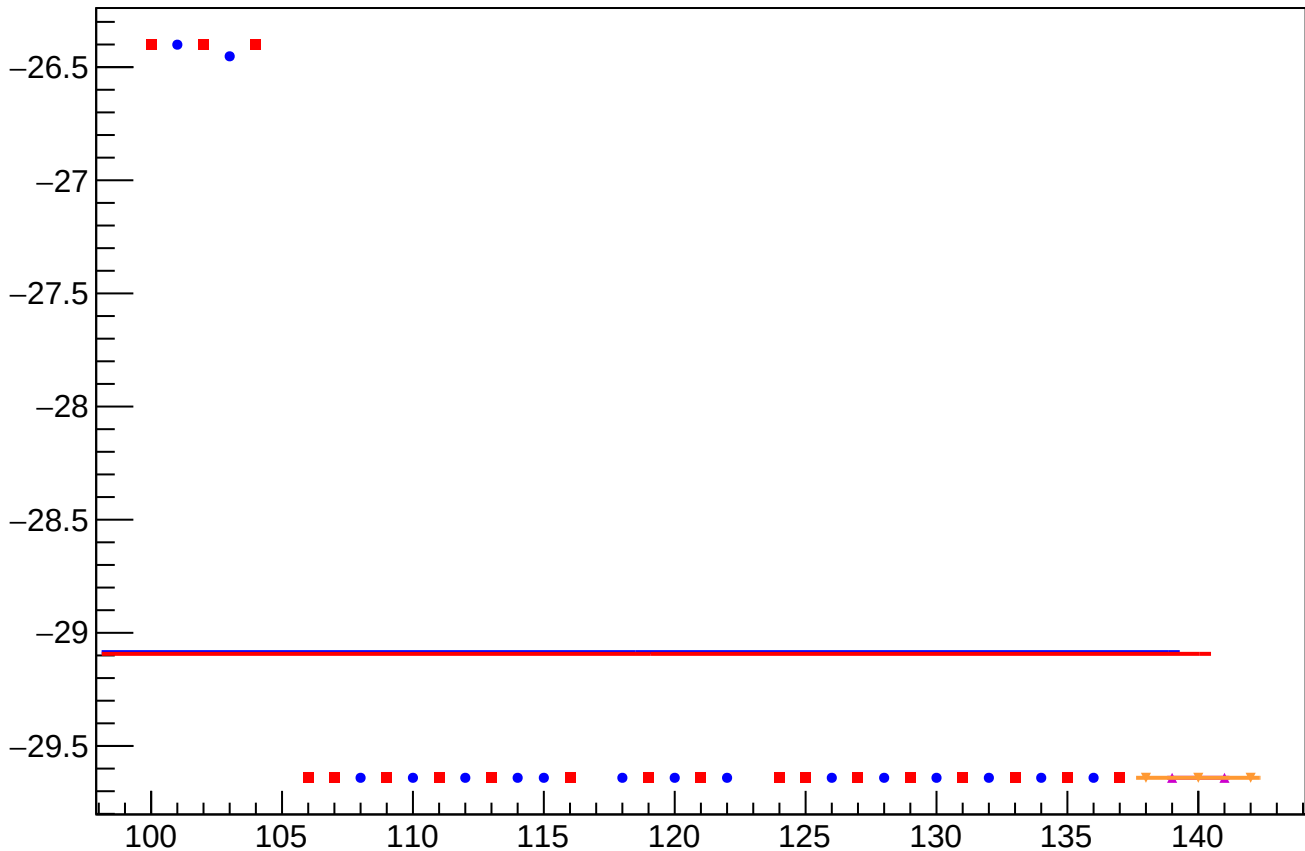
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 185994.5/1

+ sign 48.125 $\pm$ 0.000 χ^2 /NDF: 5277306835094334

All: 51.226 $\pm$ 0.000 χ^2 /NDF: 9878751286627

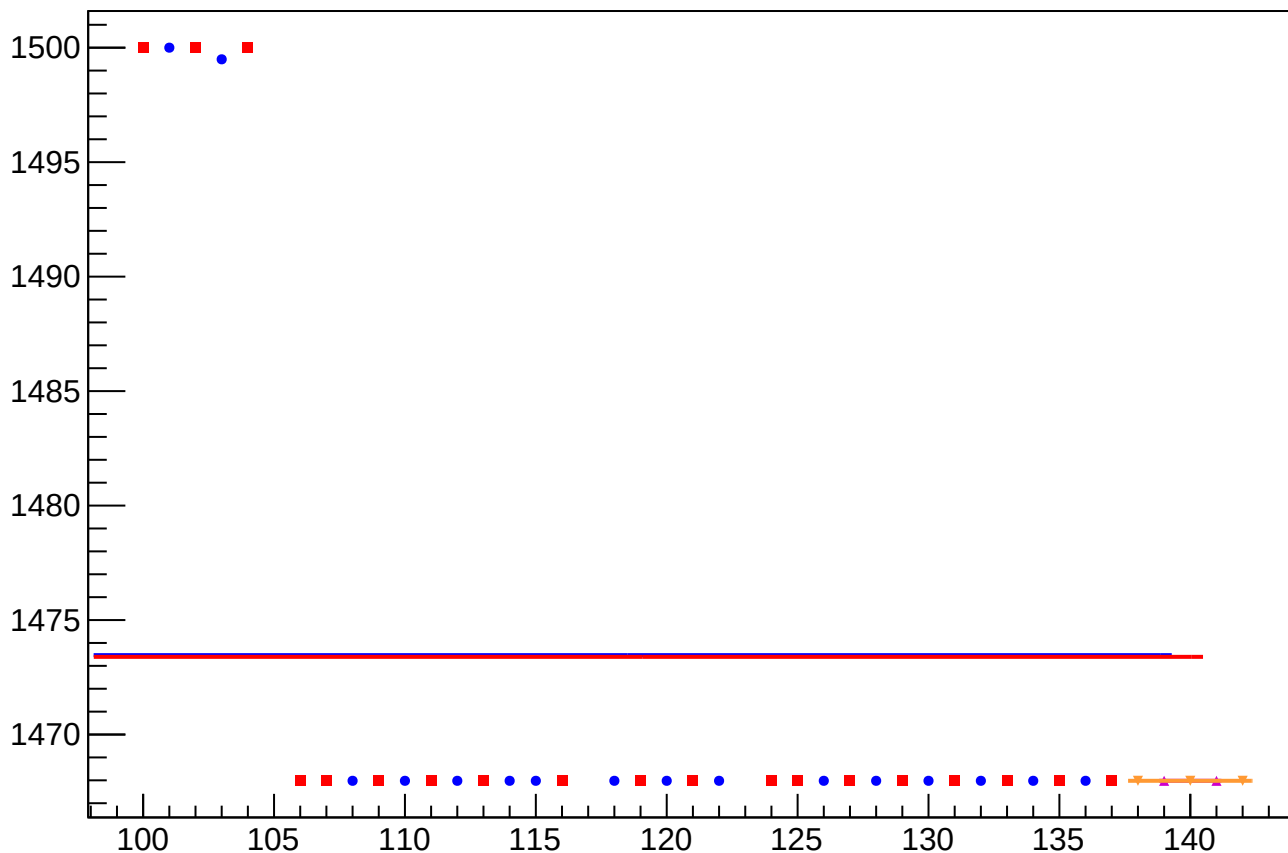
- sign 54.373 $\pm$ 0.000 χ^2 /NDF: 4582959456902925

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 :149000.0/2 + sign -29.209+/-0.000 χ^2/NDF : 114538436442049
 Right Out: -29.093+/-0.000 χ^2/NDF : 1125238156749692849797805899776000.0/18 All: -29.203+/-0.000 χ^2/NDF : 231381771537
 Left In: -29.641+/-0.000 χ^2/NDF :5414.7/1 - sign -29.196+/-0.000 χ^2/NDF : 1168349377021290

psub_pl_pos_mean vs Slug



Right In: 1473.467+/-0.000 χ^2/NDF : 106894194860706176878485793704771584.0/15

Left Out: 1467.979+/-0.000 χ^2/NDF : 221477609.0/2

Right Out: 1473.393+/-0.000 χ^2/NDF : 109909499733401078761067843300622336.0/18

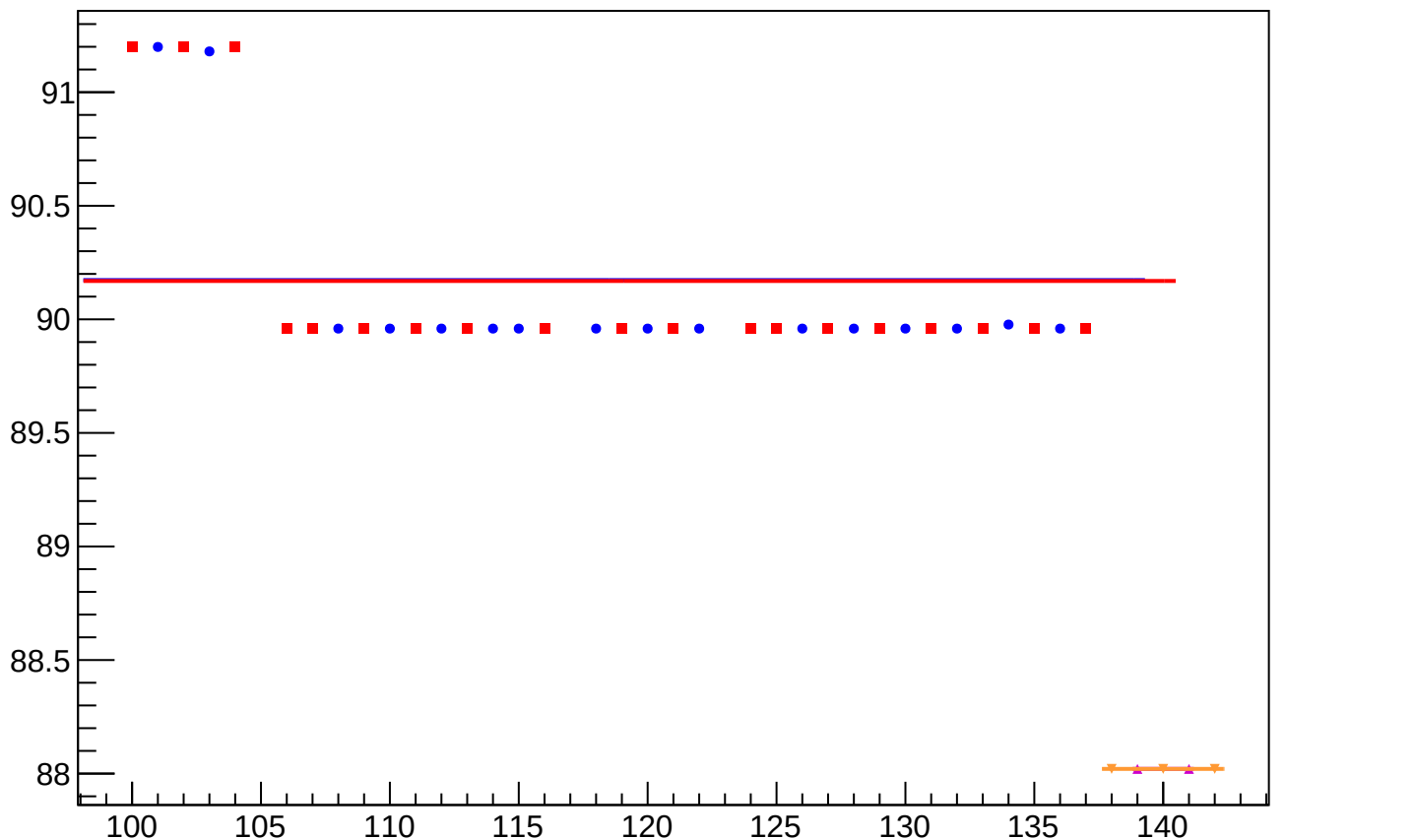
Left In: 1467.979+/-0.000 χ^2/NDF : 4807987.3/1

+ sign 1472.242+/-0.000 χ^2/NDF : 11187731391864

All: 1472.307+/-0.000 χ^2/NDF : 22600597575

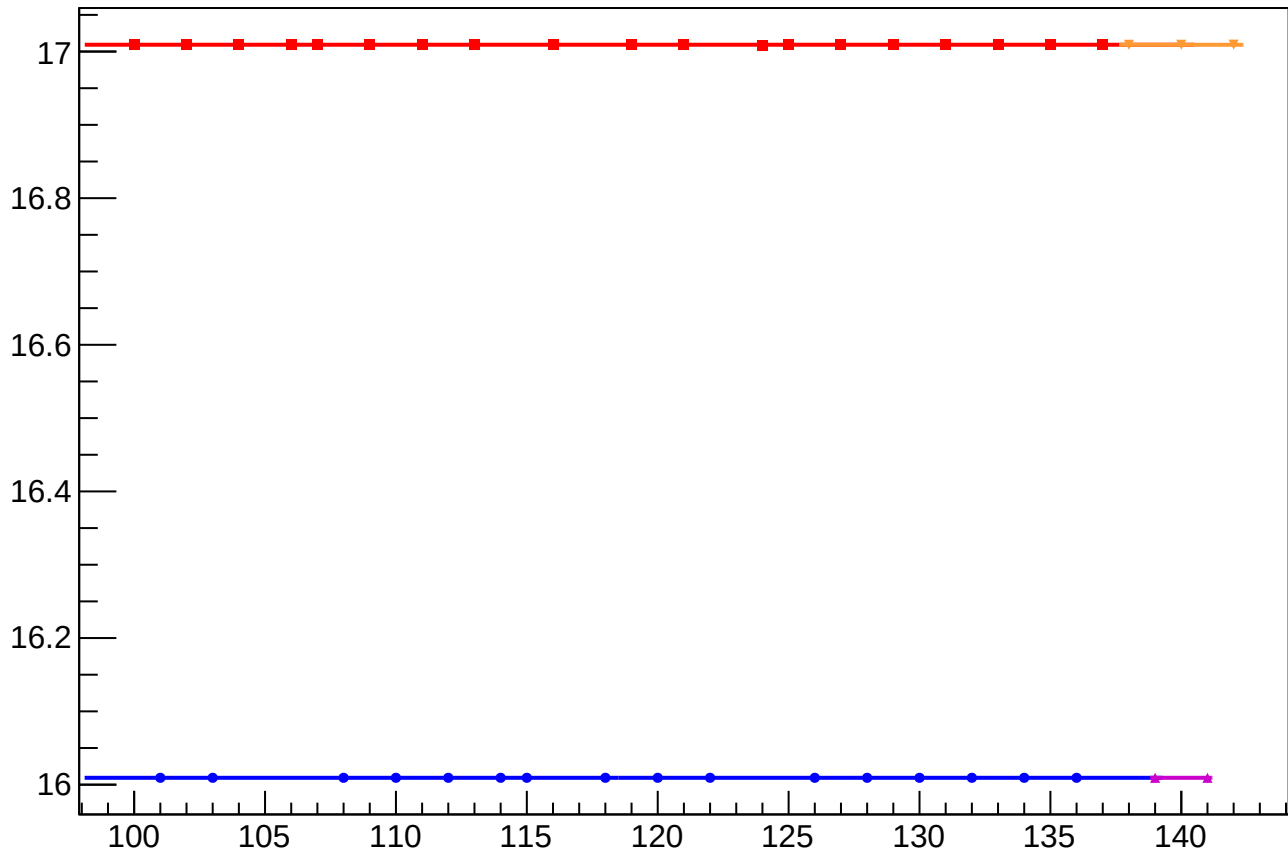
- sign 1472.374+/-0.000 χ^2/NDF : 11412045954180

Phi_FG_mean vs Slug



Right In: 90.173 $\pm$ 0.000 χ^2 /NDF: 160010492173064584437589858058240.0/15
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 2156808.8/2
 Right Out: 90.169 $\pm$ 0.000 χ^2 /NDF: 164815404456112641329707295440896.0/18
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 92088.5/1
 + sign 89.692 $\pm$ 0.000 χ^2 /NDF: 9262345041060694
 All: 89.728 $\pm$ 0.000 χ^2 /NDF: 1756549339001
 - sign 89.764 $\pm$ 0.000 χ^2 /NDF: 8278489495345272

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF : 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF : 698755003565954778005504.0/2

Right Out: 17.009+/-0.000 χ^2/NDF : 13878987313036743260766208.0/18

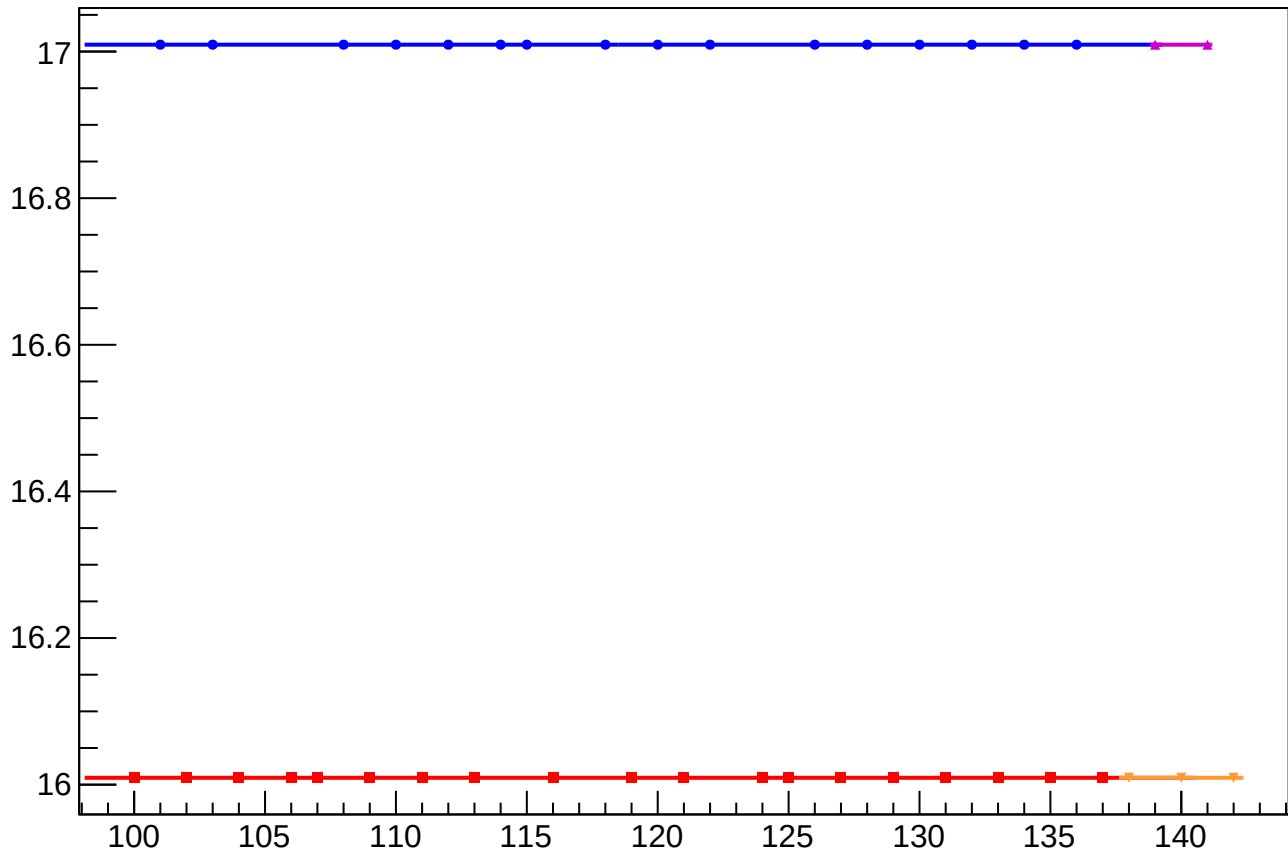
Left In: 16.009+/-0.000 χ^2/NDF : 984.5/1

+ sign 16.212+/-0.000 χ^2/NDF : 1419555716815721

All: 16.511+/-0.000 χ^2/NDF : 4336558118200

- sign 16.820+/-0.000 χ^2/NDF : 1312815938943664

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF : 30746.6/2

Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

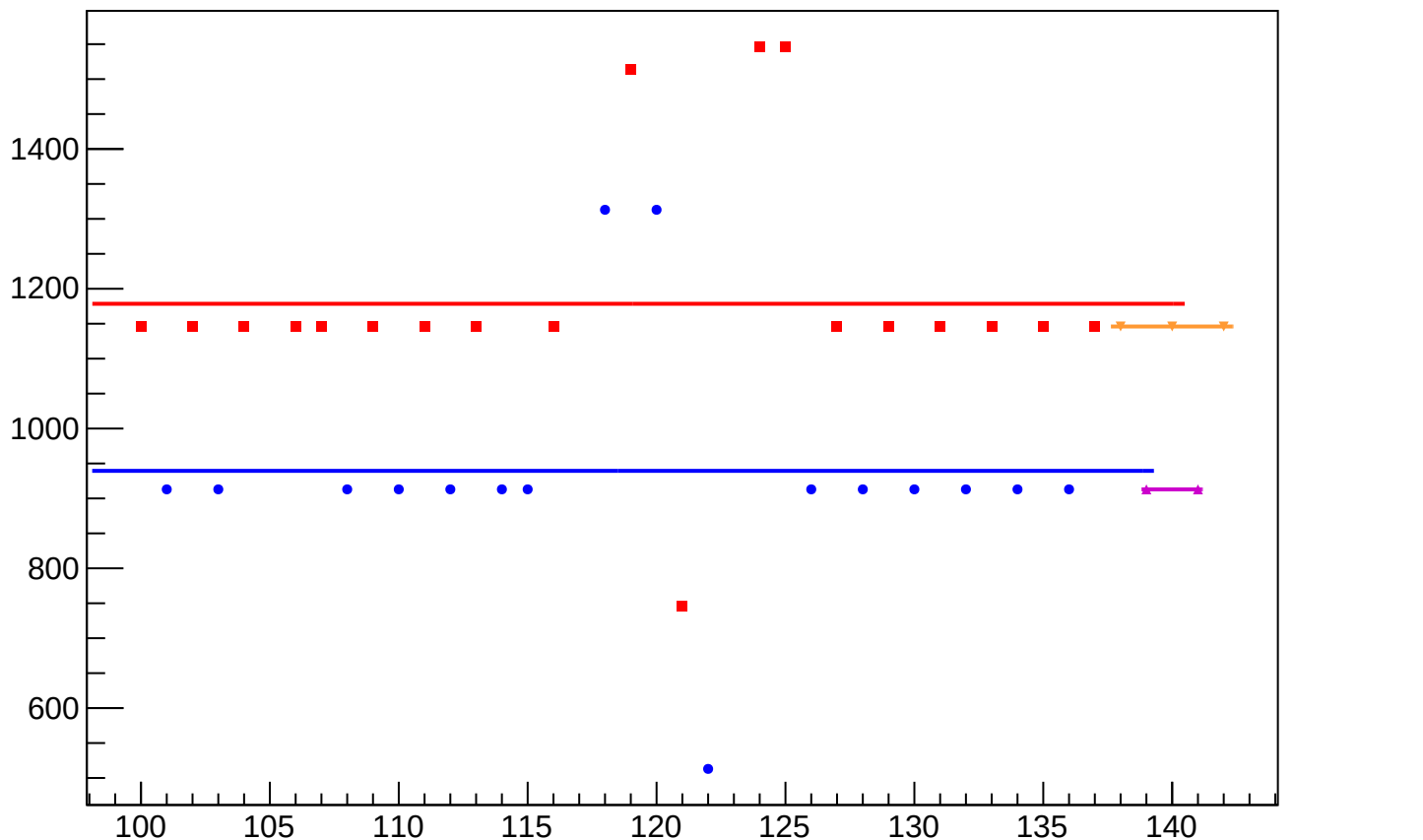
Left In: 17.009+/-0.000 χ^2/NDF : 1173.8/1

+ sign 16.778+/-0.000 χ^2/NDF : 1636858695652160

All: 16.486+/-0.000 χ^2/NDF : 4629568965517

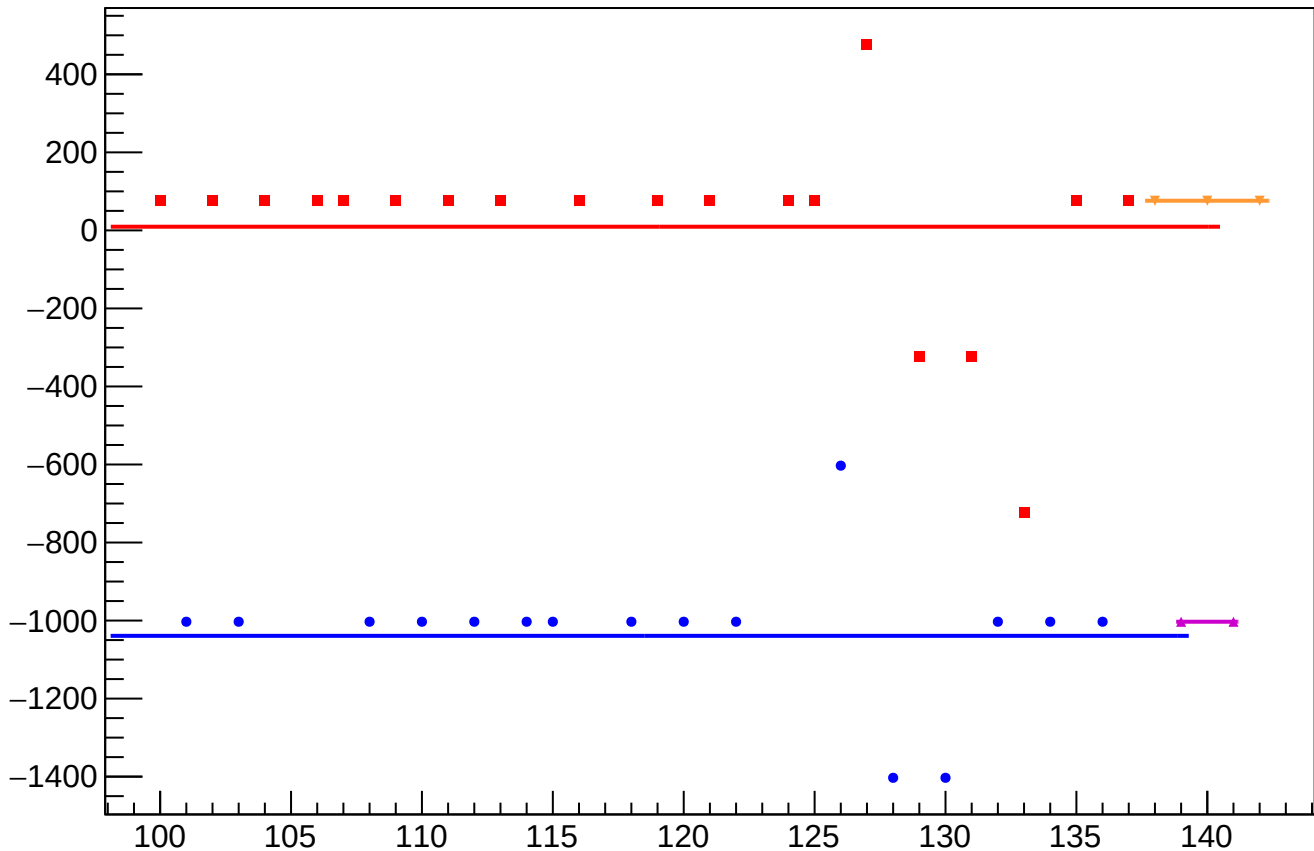
- sign 16.198+/-0.000 χ^2/NDF : 1435288461538345

RTPAPOSUCNT_mean vs Slug



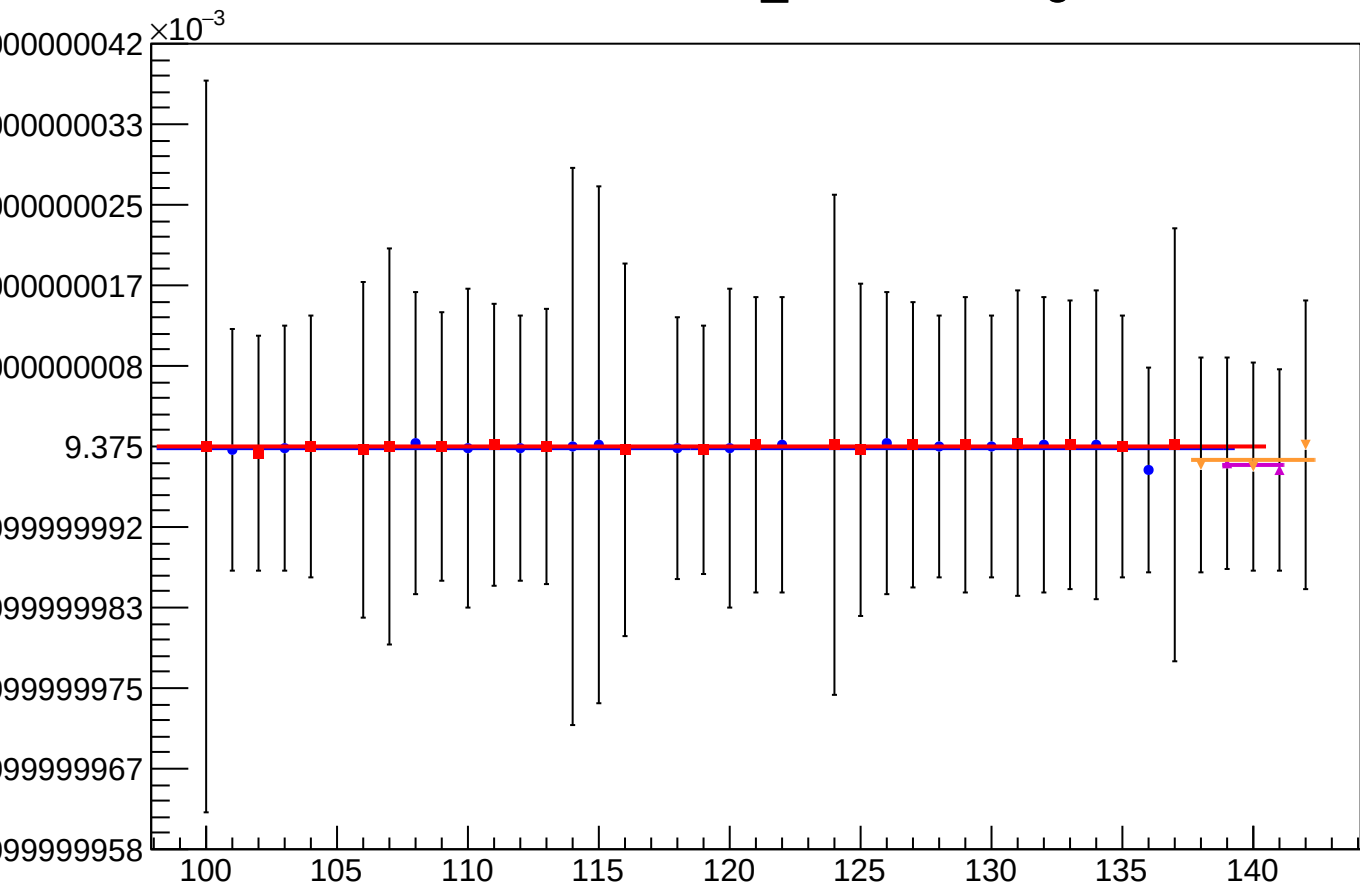
Right In: 939.446+/-0.000 χ^2/NDF : 21082933856092788763552768673189986304.0/15
 Left Out: 1146.013+/-0.000 χ^2/NDF : 674791956432760999841366016.0/2
 Right Out: 1178.513+/-0.000 χ^2/NDF : 22140259958123277565481106114837741568.0/18
 Left In: 912.991+/-0.000 χ^2/NDF : 1303401082776590290518016.0/1

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157 ± 0.000 $\chi^2/\text{NDF}: 22870377308507164002708101555084591104.0/15$
 Left Out: 76.010 ± 0.000 $\chi^2/\text{NDF}: 152779612272328585284419584.0/2$
 Right Out: 9.430 ± 0.000 $\chi^2/\text{NDF}: 46057394734928766474893736526051540992.0/18$
 Left In: -1002.990 ± 0.000 $\chi^2/\text{NDF}: 87017011574707556569841664.0/1$

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: 0.0/2

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

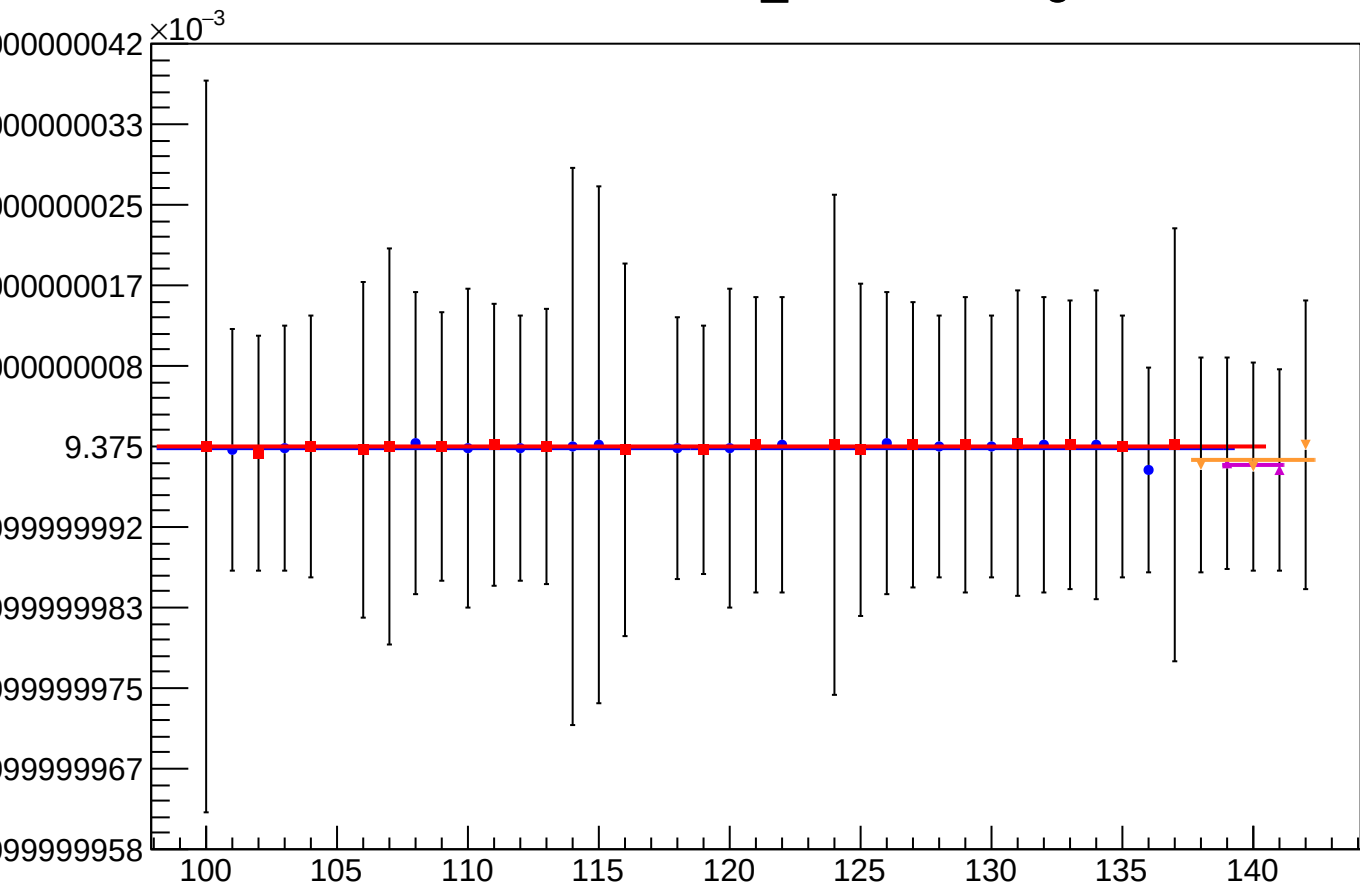
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/39

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

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:0.0/2

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/39

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20