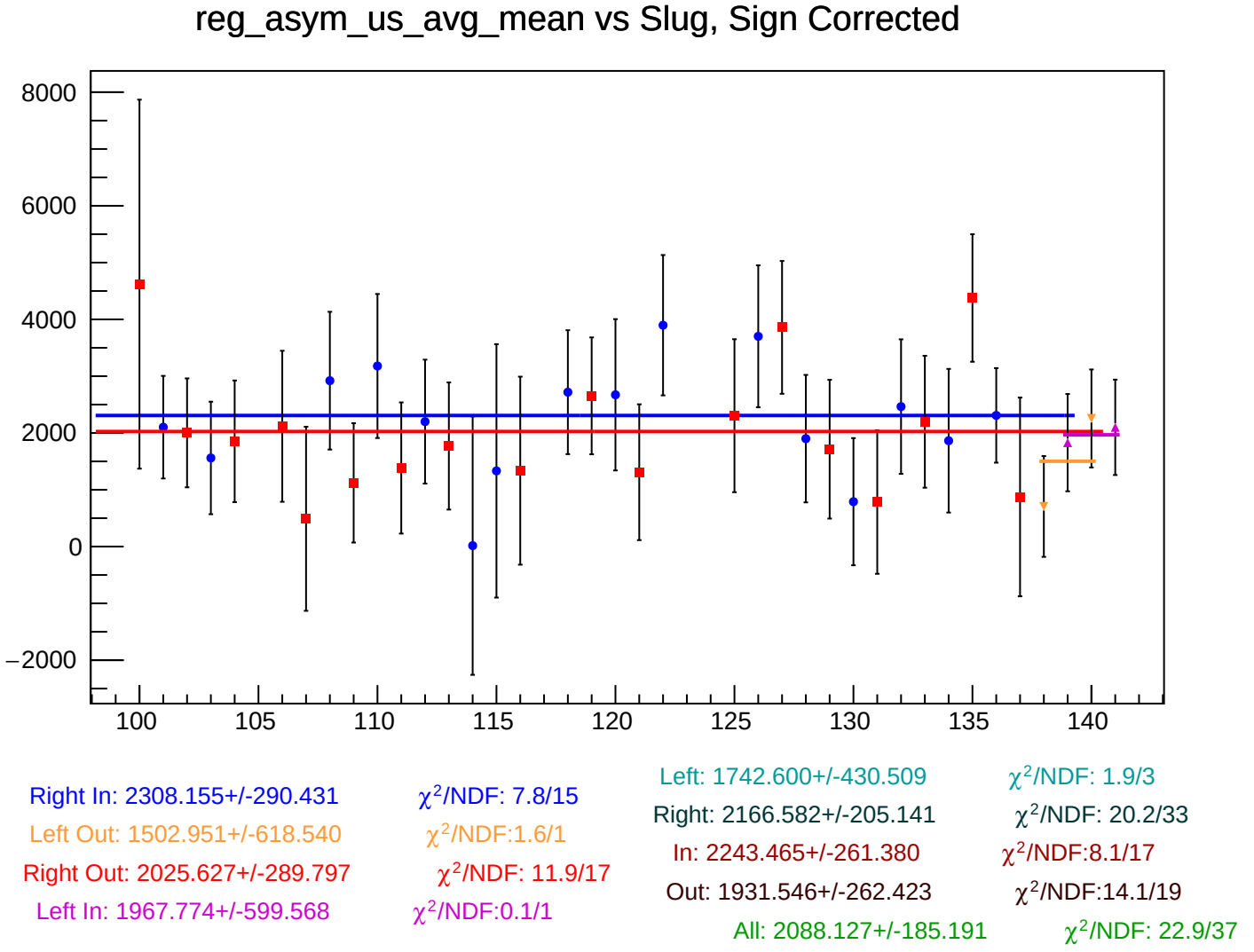
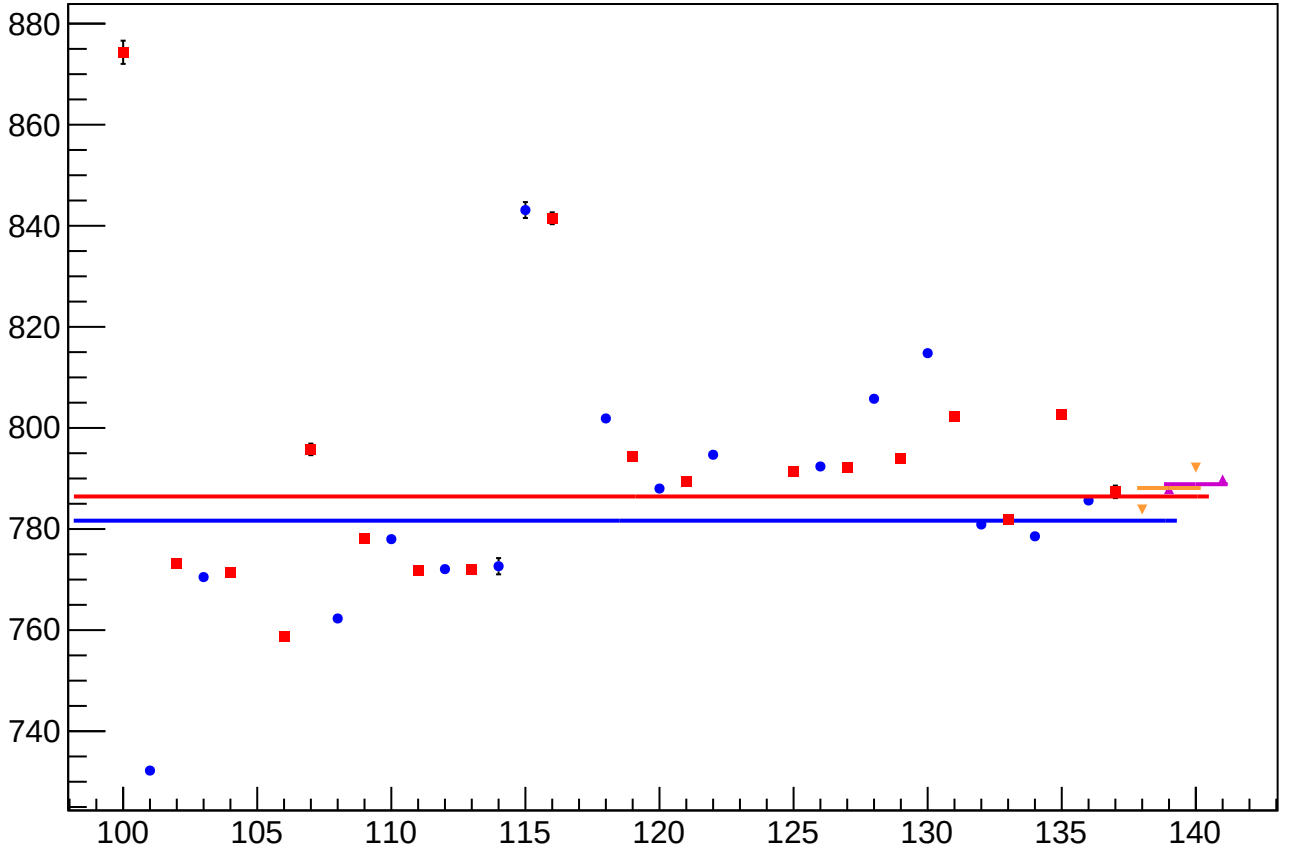

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
105
110
115
120
125
130
135
140
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1502.951+/-618.540
χ²/NDF:1.6/1
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 1967.774+/-599.568
χ²/NDF:0.1/1
Left: 1742.600+/-430.509
χ²/NDF: 1.9/3
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2243.465+/-261.380
χ²/NDF:8.1/17
Out: 1931.546+/-262.423
χ²/NDF:14.1/19
All: 2088.127+/-185.191
χ²/NDF: 22.9/37

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 788.121+/-0.437 χ^2/NDF:89.8/1

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

Left In: 788.870+/-0.424 χ^2/NDF:5.1/1

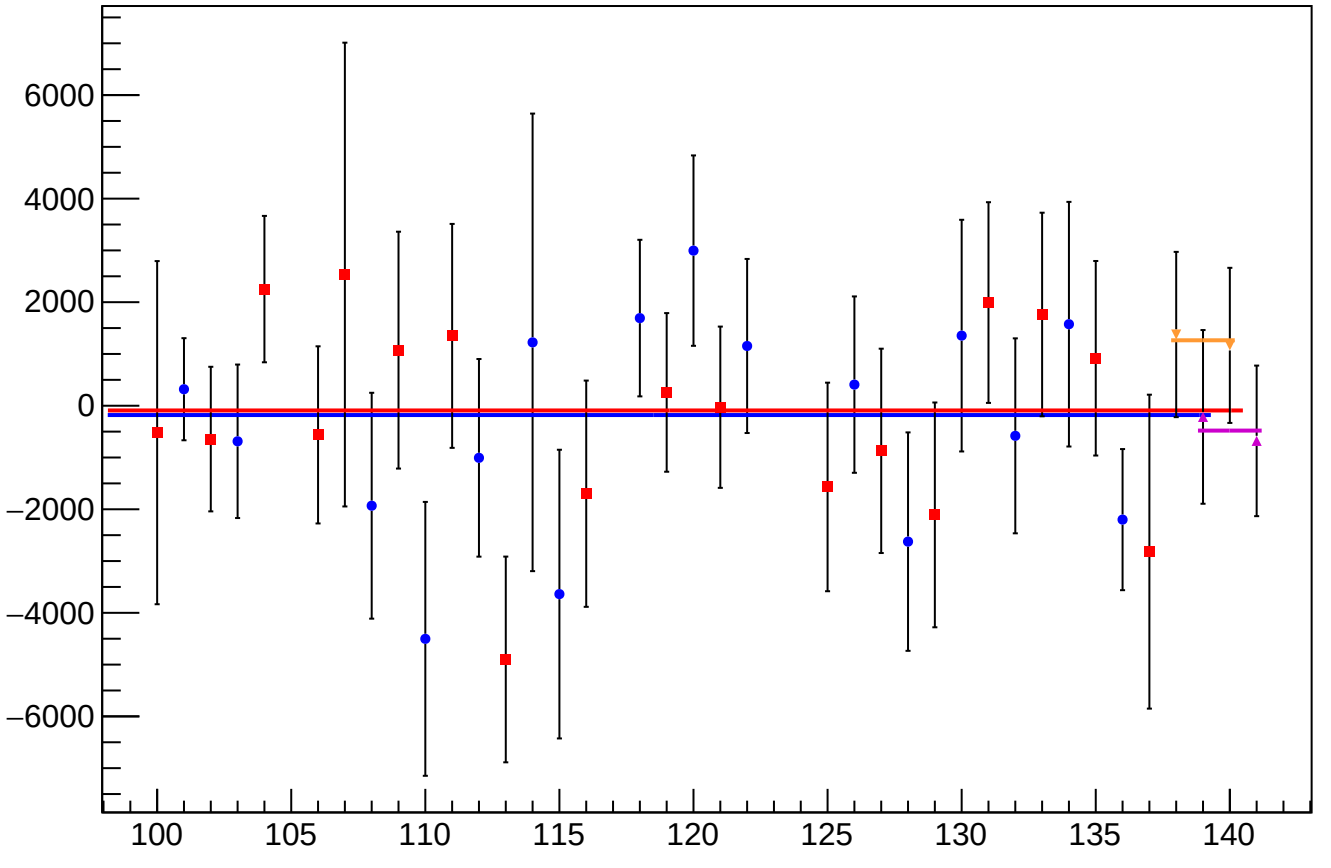
Left: 788.507+/-0.304 χ^2/NDF: 96.4/3

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 783.025+/-0.185 χ^2/NDF:12558.8/17

Out: 786.745+/-0.186 χ^2/NDF:7303.4/19

All: 784.878+/-0.131 χ^2/NDF: 20064.0/37



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

Left Out: 1263.987+/-1092.227 χ^2/NDF:0.0/1

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

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

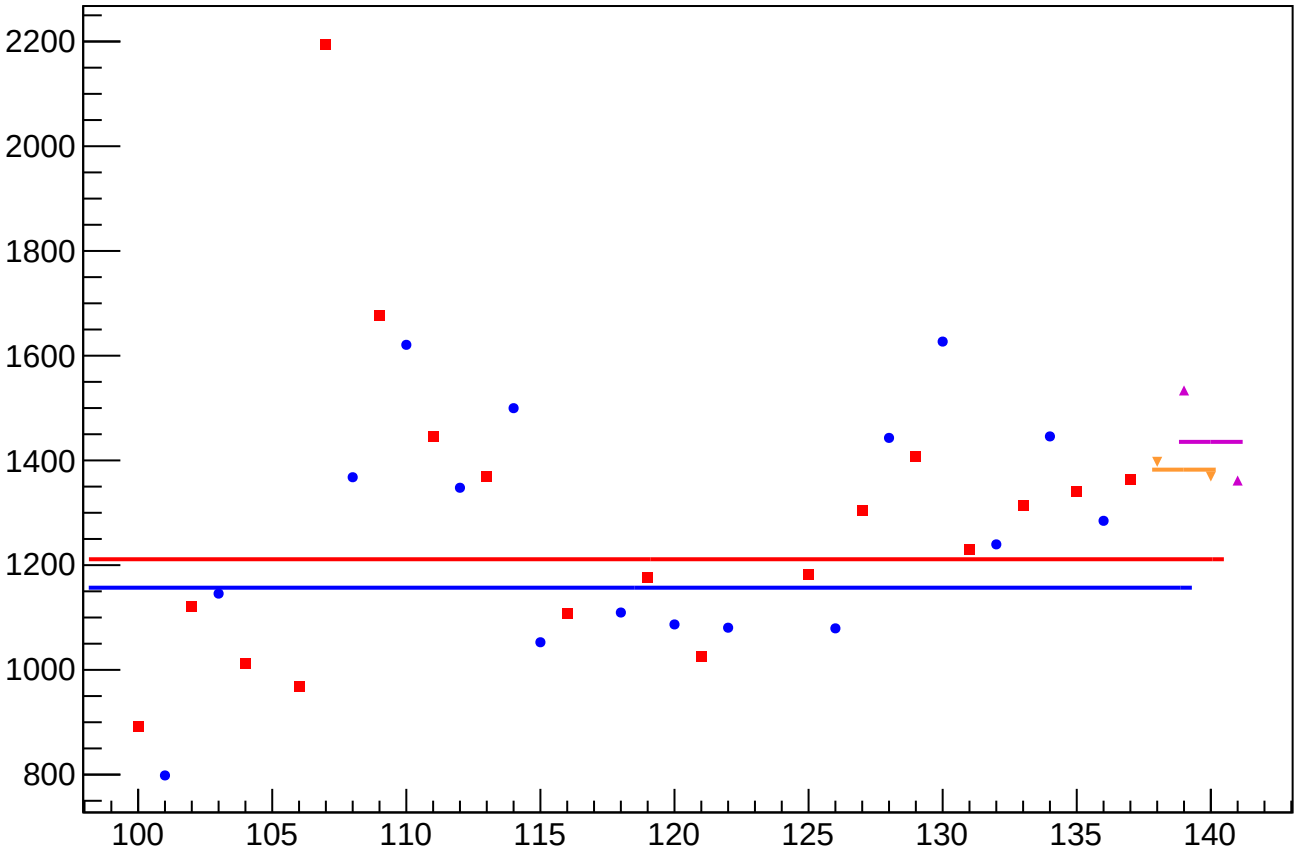
Left: 397.127+/-774.623 χ^2/NDF: 1.3/3

Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -221.544+/-409.084 χ^2/NDF:15.5/17

Out: 108.983+/-419.864 χ^2/NDF:16.5/19

All: -60.578+/-293.003 χ^2/NDF: 32.3/37



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

Left Out: 1382.378+/-0.772 χ^2/NDF:327.4/1

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

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

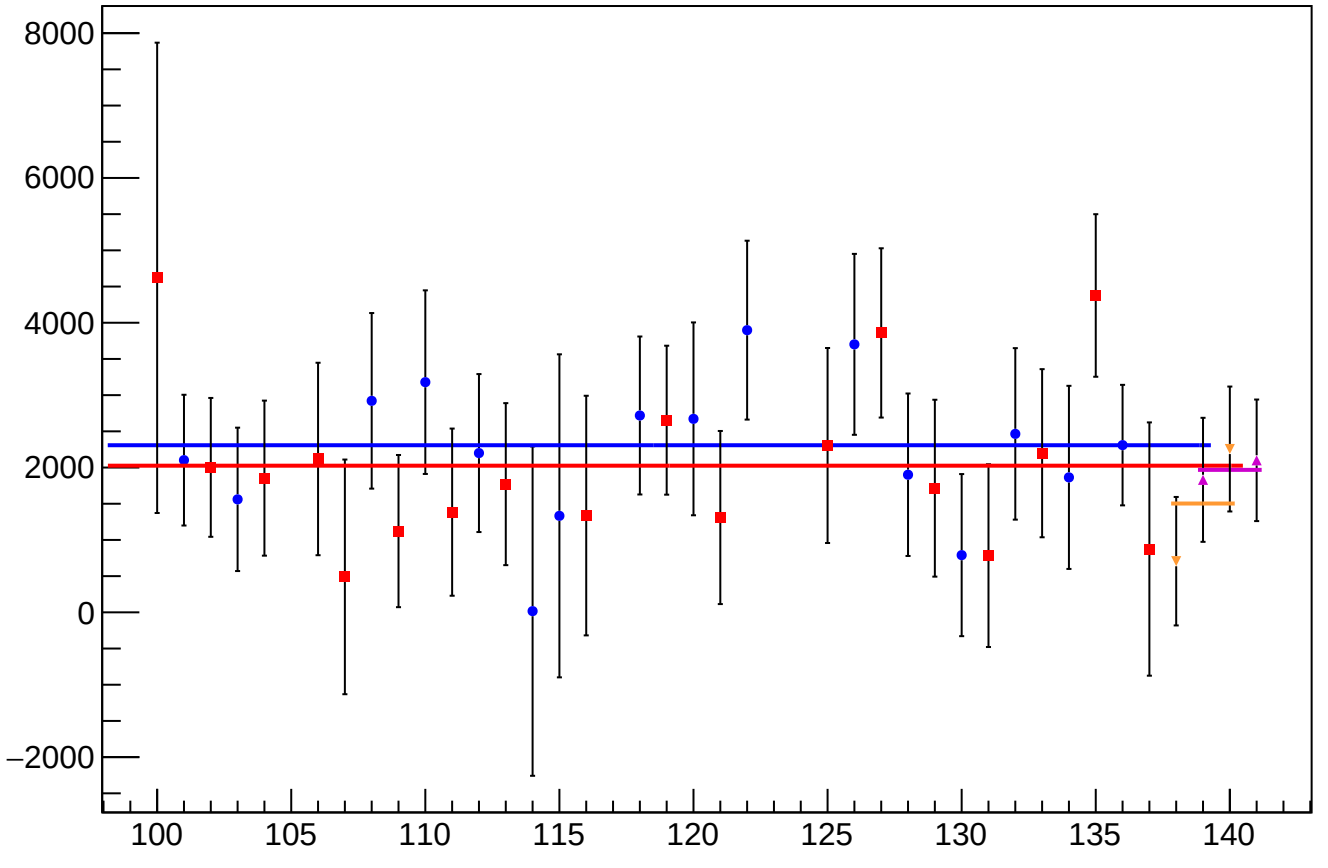
Left: 1408.743+/-0.548 χ^2/NDF: 14681.5/3

Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1195.549+/-0.289 χ^2/NDF:691789.6/17

Out: 1236.550+/-0.297 χ^2/NDF:439876.3/19

All: 1215.516+/-0.207 χ^2/NDF: 1141449.8/37



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

Left Out: 1502.951+/-618.540 χ^2/NDF:1.6/1

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

Left In: 1967.774+/-599.568 χ^2/NDF:0.1/1

Left: 1742.600+/-430.509 χ^2/NDF: 1.9/3

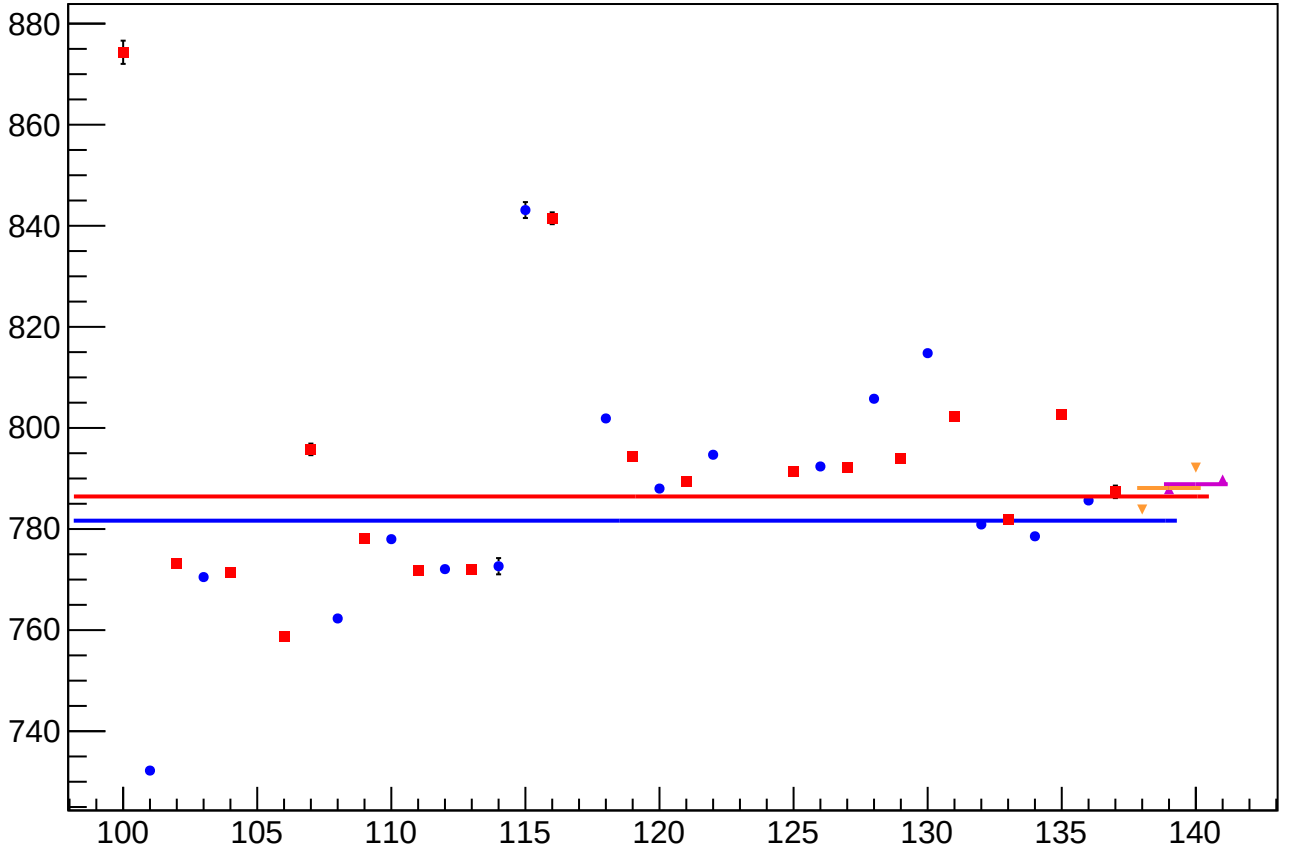
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2243.465+/-261.380 χ^2/NDF:8.1/17

Out: 1931.546+/-262.423 χ^2/NDF:14.1/19

All: 2088.127+/-185.191 χ^2/NDF: 22.9/37

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 788.121+/-0.437 χ^2/NDF:89.8/1

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

Left In: 788.870+/-0.424 χ^2/NDF:5.1/1

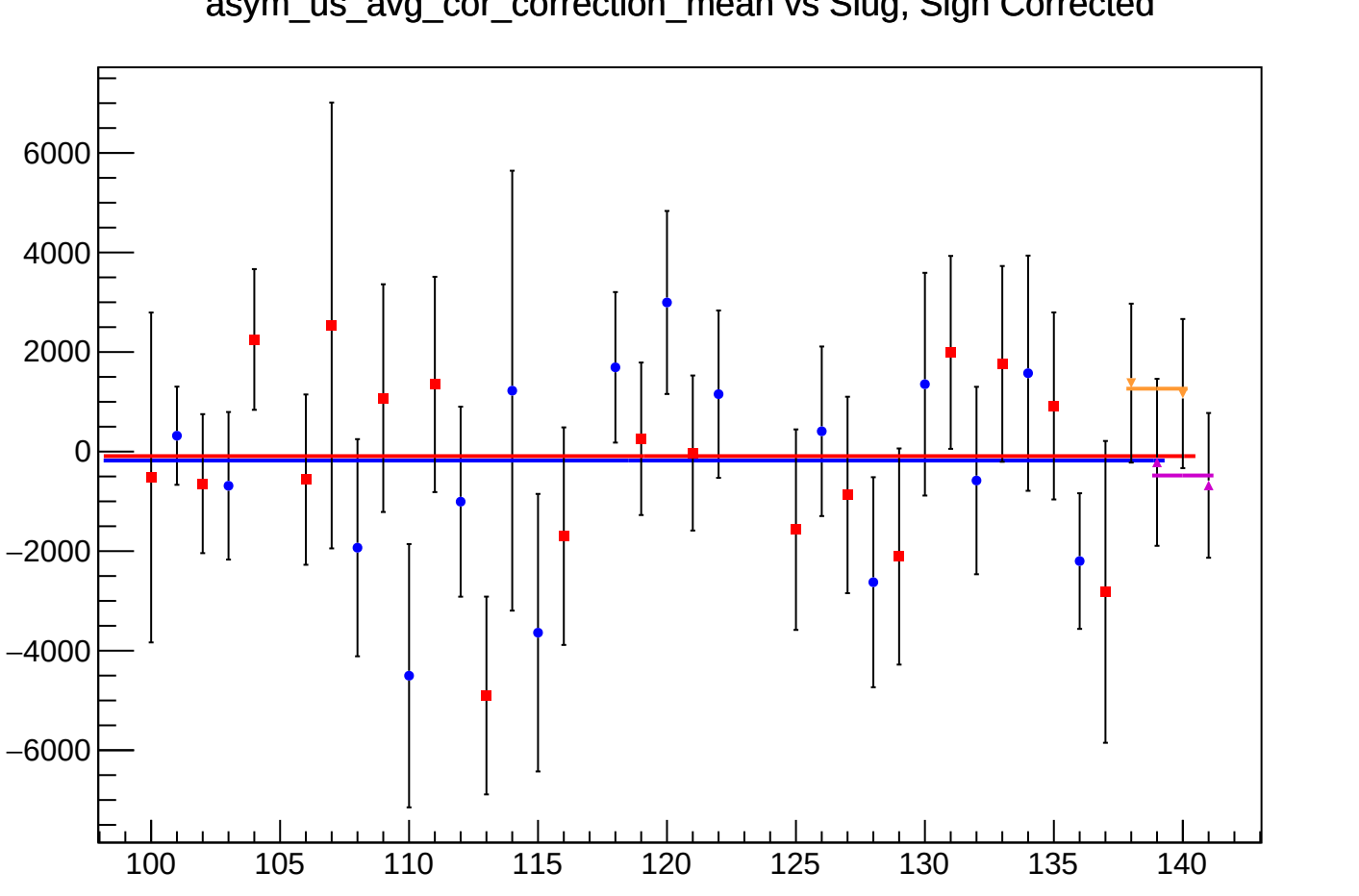
Left: 788.507+/-0.304 χ^2/NDF: 96.4/3

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 783.025+/-0.185 χ^2/NDF:12558.8/17

Out: 786.745+/-0.186 χ^2/NDF:7303.4/19

All: 784.878+/-0.131 χ^2/NDF: 20064.0/37



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

Left Out: 1263.987+/-1092.227 χ^2/NDF:0.0/1

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

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

Left: 397.127+/-774.623 χ^2/NDF: 1.3/3

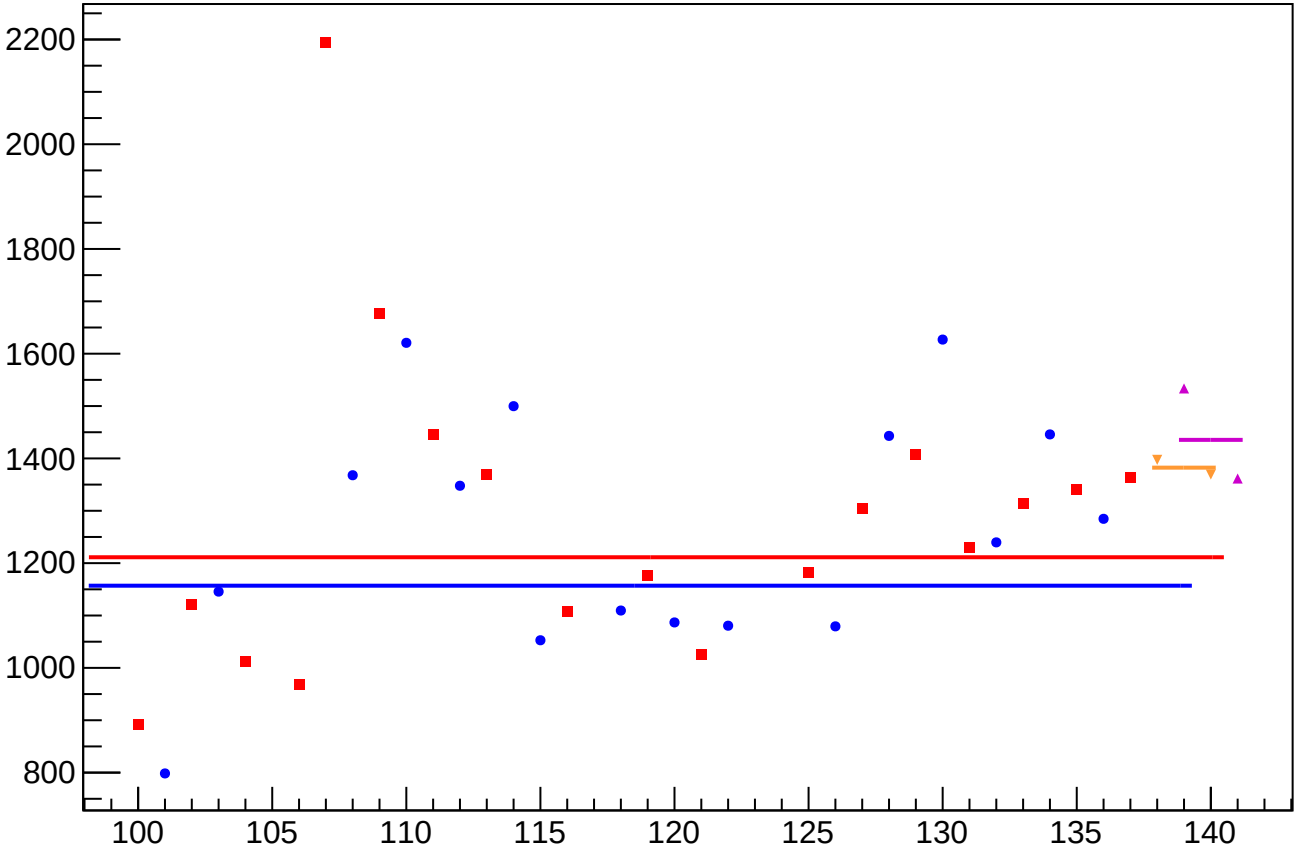
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -221.544+/-409.084 χ^2/NDF:15.5/17

Out: 108.983+/-419.864 χ^2/NDF:16.5/19

All: -60.578+/-293.003 χ^2/NDF: 32.3/37

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1382.378+/-0.772 χ^2/NDF:327.4/1

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

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

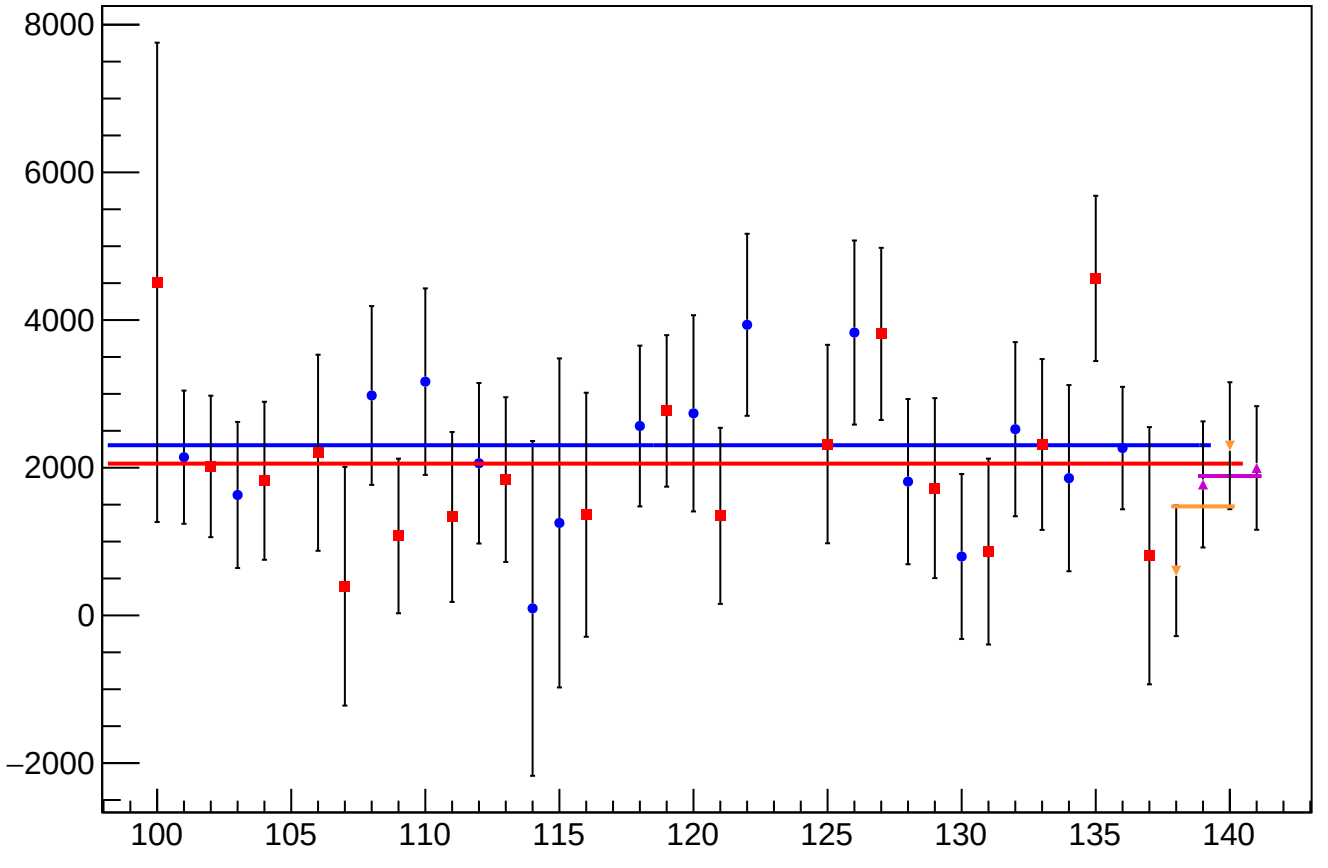
Left: 1408.743+/-0.548 χ^2/NDF: 14681.5/3

Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1195.549+/-0.289 χ^2/NDF:691789.6/17

Out: 1236.550+/-0.297 χ^2/NDF:439876.3/19

All: 1215.516+/-0.207 χ^2/NDF: 1141449.8/37



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

Left Out: 1476.165+/-616.454 χ^2/NDF:1.9/1

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

Left In: 1887.495+/-597.817 χ^2/NDF:0.0/1

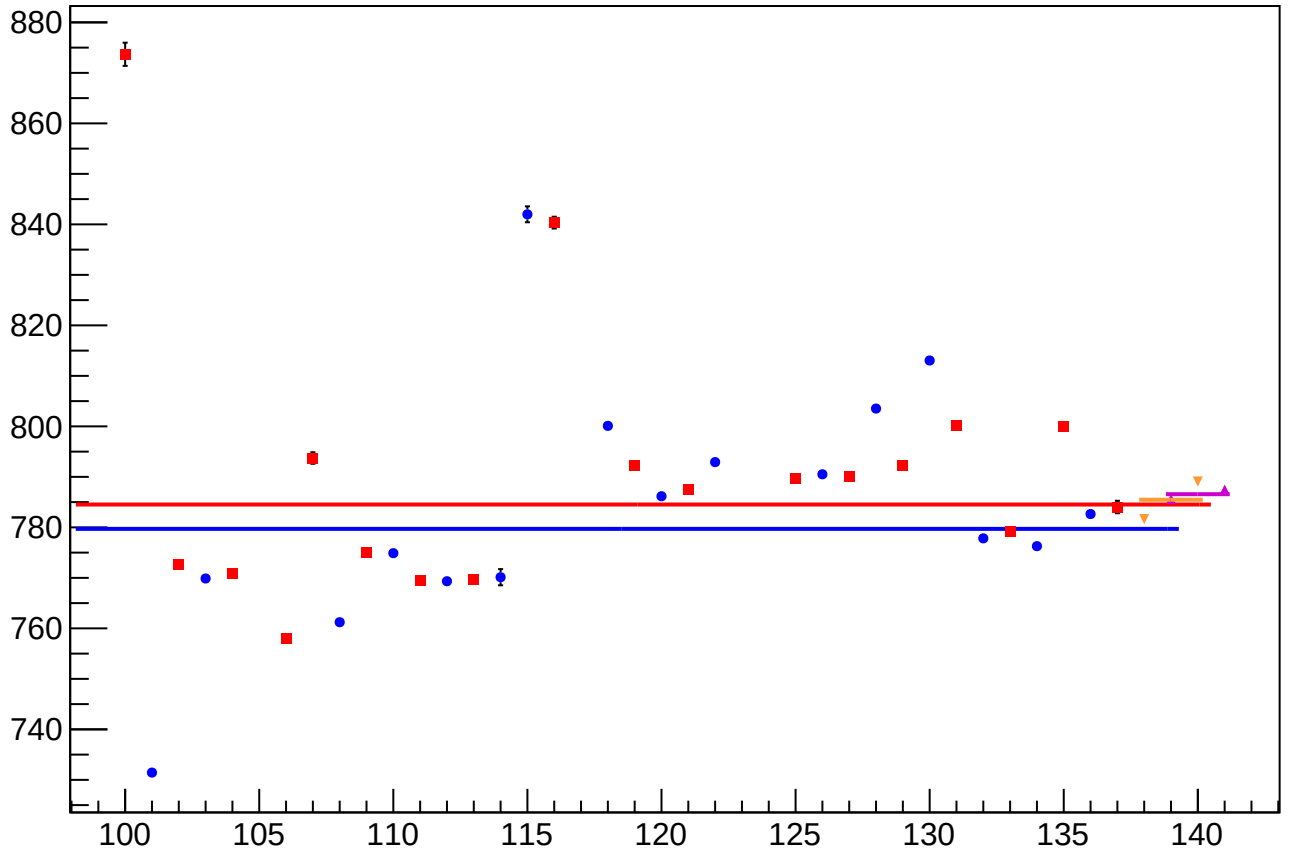
Left: 1688.142+/-429.158 χ^2/NDF: 2.1/3

Right: 2179.995+/-204.634 χ^2/NDF: 21.3/33

In: 2225.480+/-260.705 χ^2/NDF:8.5/17

Out: 1951.198+/-261.738 χ^2/NDF:15.5/19

All: 2088.881+/-184.710 χ^2/NDF: 24.5/37



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

Left Out: 785.469+/-0.436 χ^2/NDF:72.9/1

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

Left In: 786.570+/-0.423 χ^2/NDF:4.9/1

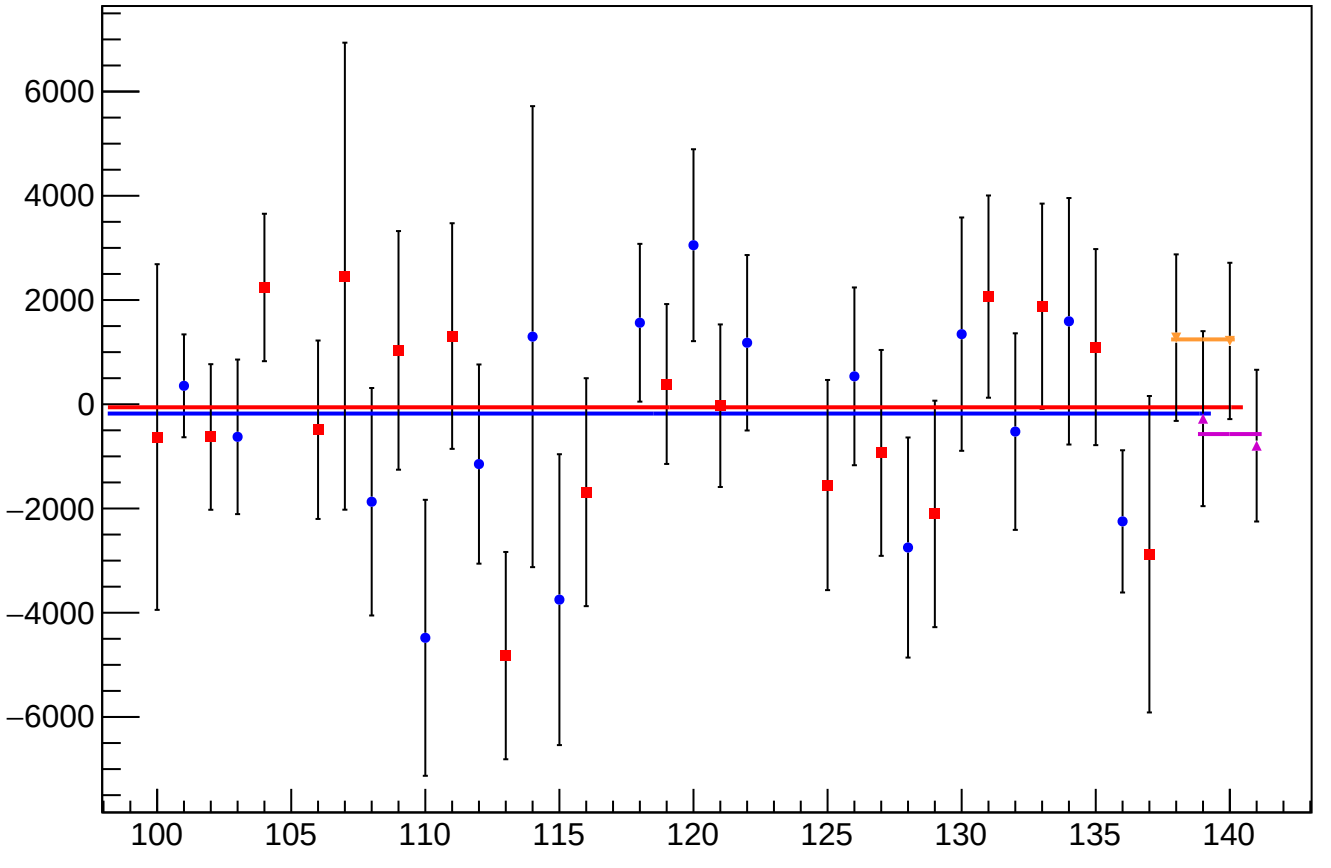
Left: 786.036+/-0.303 χ^2/NDF: 81.0/3

Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

In: 781.008+/-0.184 χ^2/NDF:12278.9/17

Out: 784.695+/-0.185 χ^2/NDF:7236.8/19

All: 782.844+/-0.131 χ^2/NDF: 19714.8/37



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

Left Out: 1244.470+/-1093.434 χ^2/NDF:0.0/1

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

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

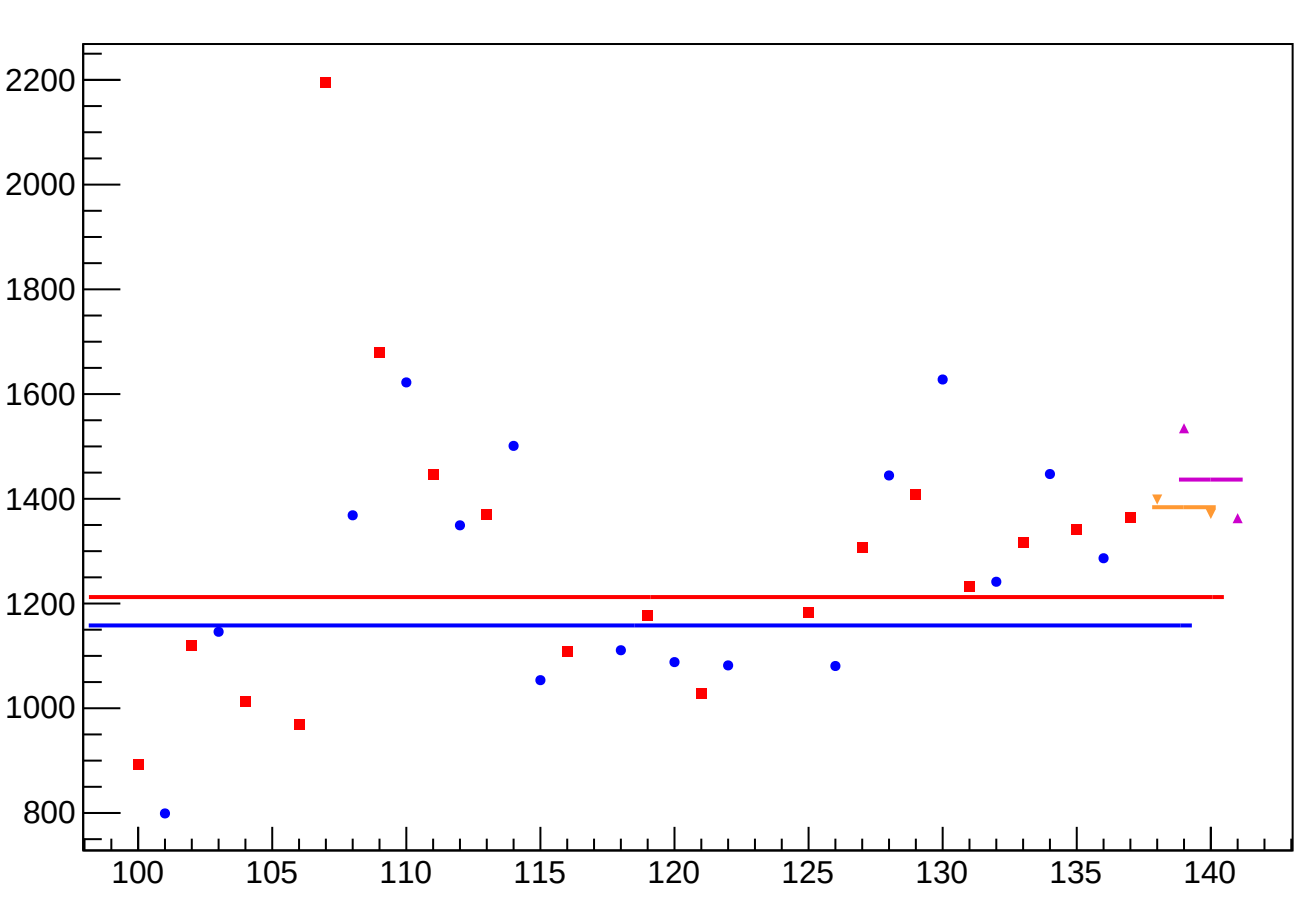
Left: 341.509+/-775.388 χ^2/NDF: 1.4/3

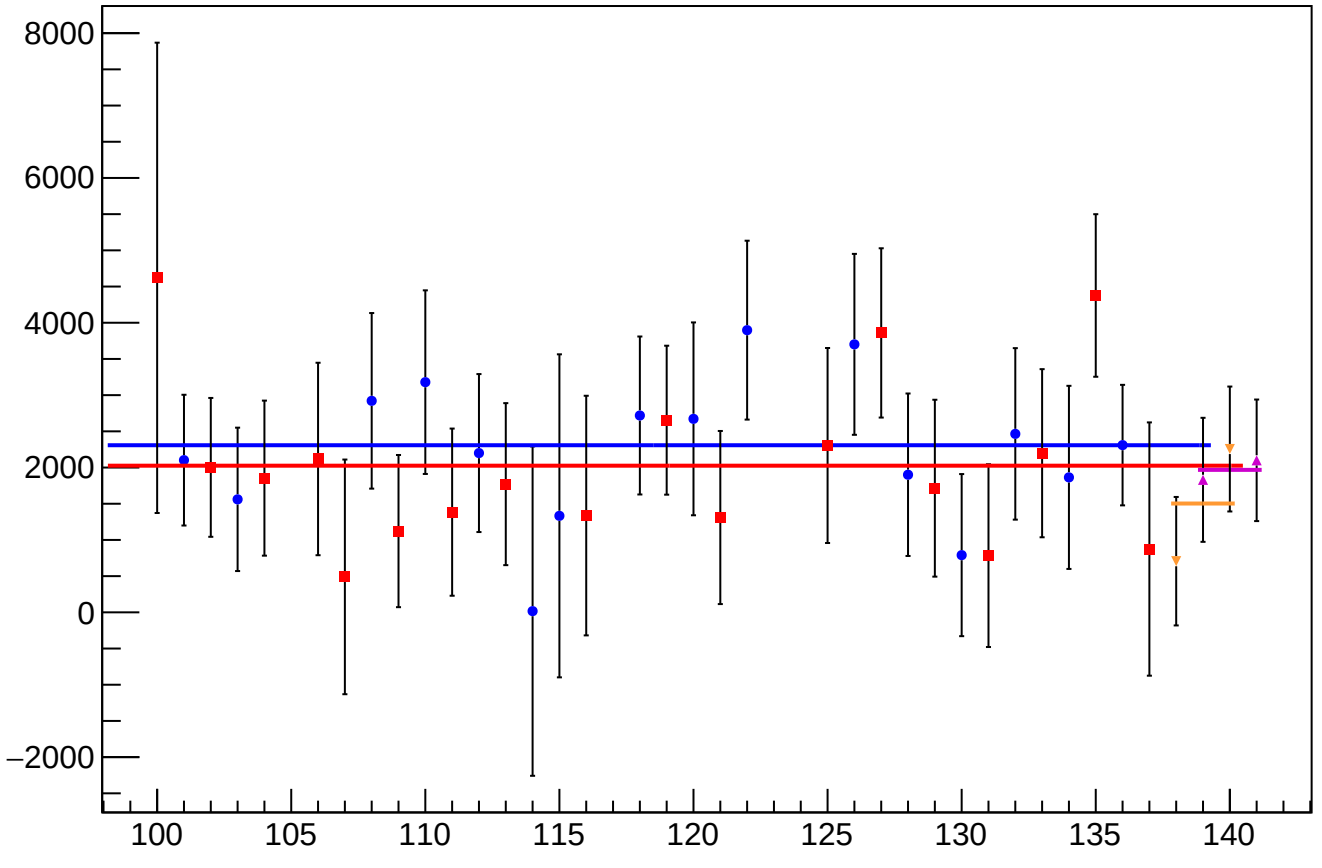
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -233.003+/-409.489 χ^2/NDF:15.9/17

Out: 134.364+/-420.252 χ^2/NDF:16.5/19

All: -54.083+/-293.284 χ^2/NDF: 32.7/37


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
140
Right In: 1158.134+/-0.312 χ²/NDF: 569144.8/15
Left Out: 1383.931+/-0.773 χ²/NDF:317.0/1
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1436.692+/-0.778 χ²/NDF:11941.8/1
Left: 1410.160+/-0.548 χ²/NDF: 14573.7/3
Right: 1184.394+/-0.224 χ²/NDF: 981708.9/33
In: 1196.756+/-0.290 χ²/NDF:691615.6/17
Out: 1237.693+/-0.297 χ²/NDF:440229.6/19
All: 1216.693+/-0.207 χ²/NDF: 1141580.2/37



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

Left Out: 1502.951+/-618.540 χ^2/NDF:1.6/1

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

Left In: 1967.774+/-599.568 χ^2/NDF:0.1/1

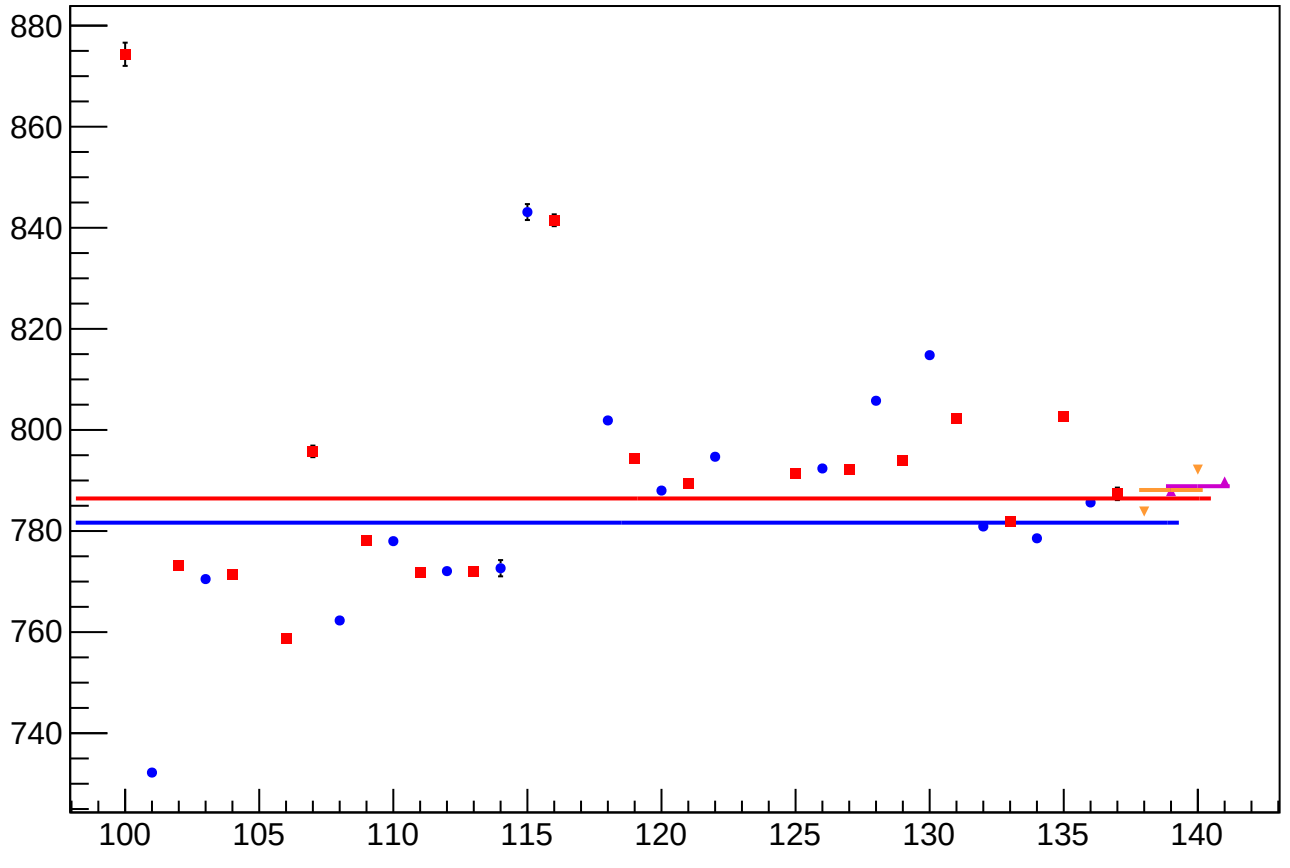
Left: 1742.600+/-430.509 χ^2/NDF: 1.9/3

Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2243.465+/-261.380 χ^2/NDF:8.1/17

Out: 1931.546+/-262.423 χ^2/NDF:14.1/19

All: 2088.127+/-185.191 χ^2/NDF: 22.9/37



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

Left Out: 788.121+/-0.437 χ^2/NDF:89.8/1

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

Left In: 788.870+/-0.424 χ^2/NDF:5.1/1

Left: 788.507+/-0.304 χ^2/NDF: 96.4/3

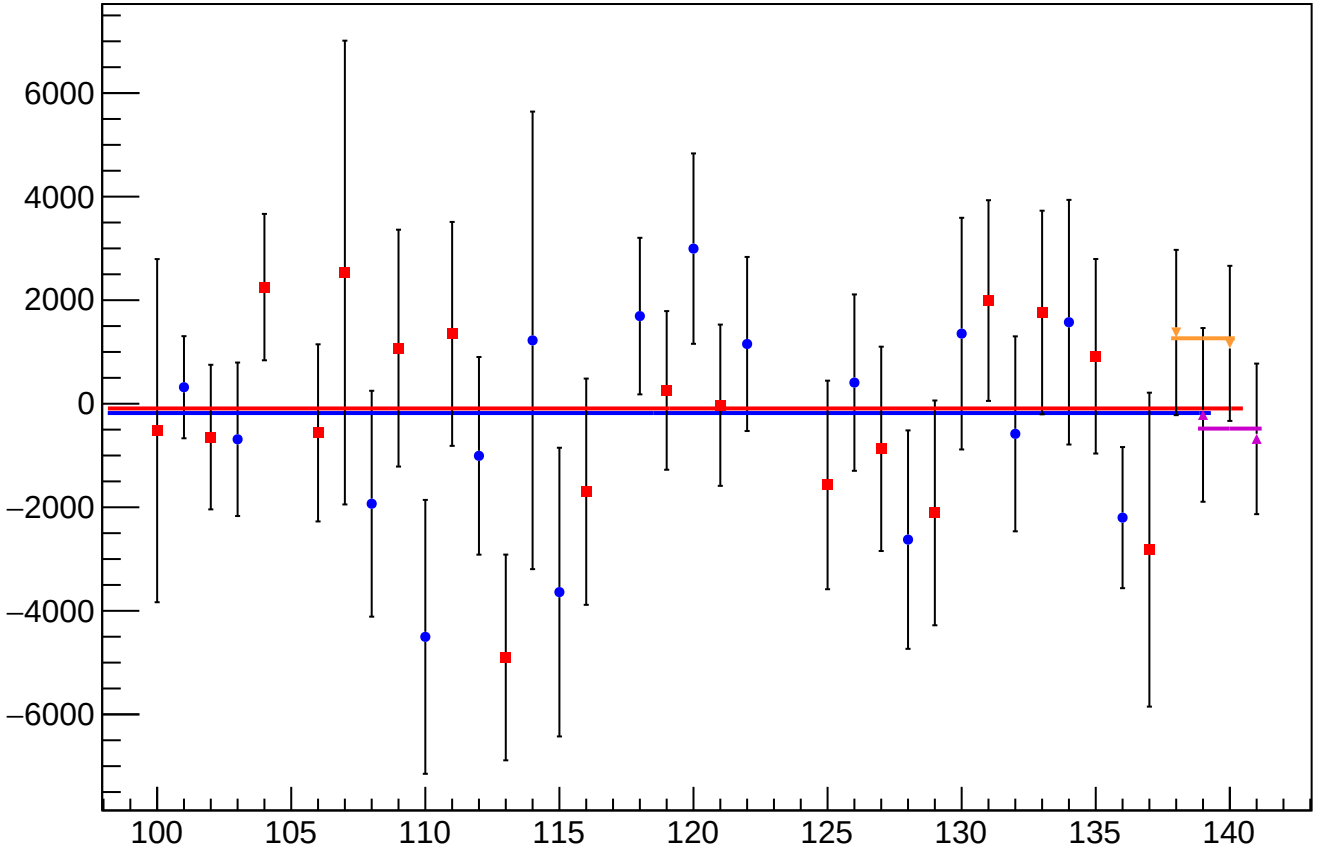
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 783.025+/-0.185 χ^2/NDF:12558.8/17

Out: 786.745+/-0.186 χ^2/NDF:7303.4/19

All: 784.878+/-0.131 χ^2/NDF: 20064.0/37

asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: 1263.987+/-1092.227 χ^2/NDF:0.0/1

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

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

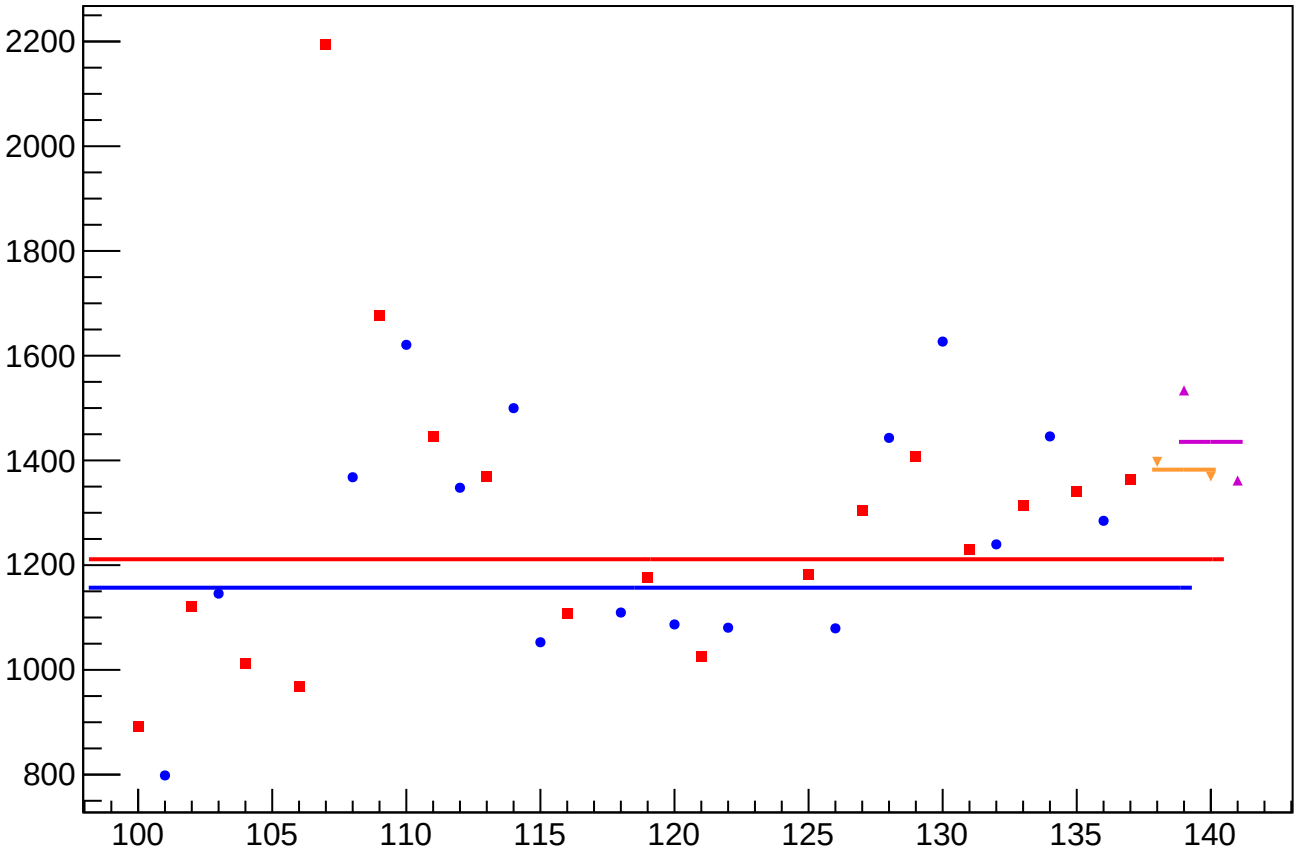
Left: 397.127+/-774.623 χ^2/NDF: 1.3/3

Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -221.544+/-409.084 χ^2/NDF:15.5/17

Out: 108.983+/-419.864 χ^2/NDF:16.5/19

All: -60.578+/-293.003 χ^2/NDF: 32.3/37



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

Left Out: 1382.378+/-0.772 χ^2/NDF:327.4/1

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

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

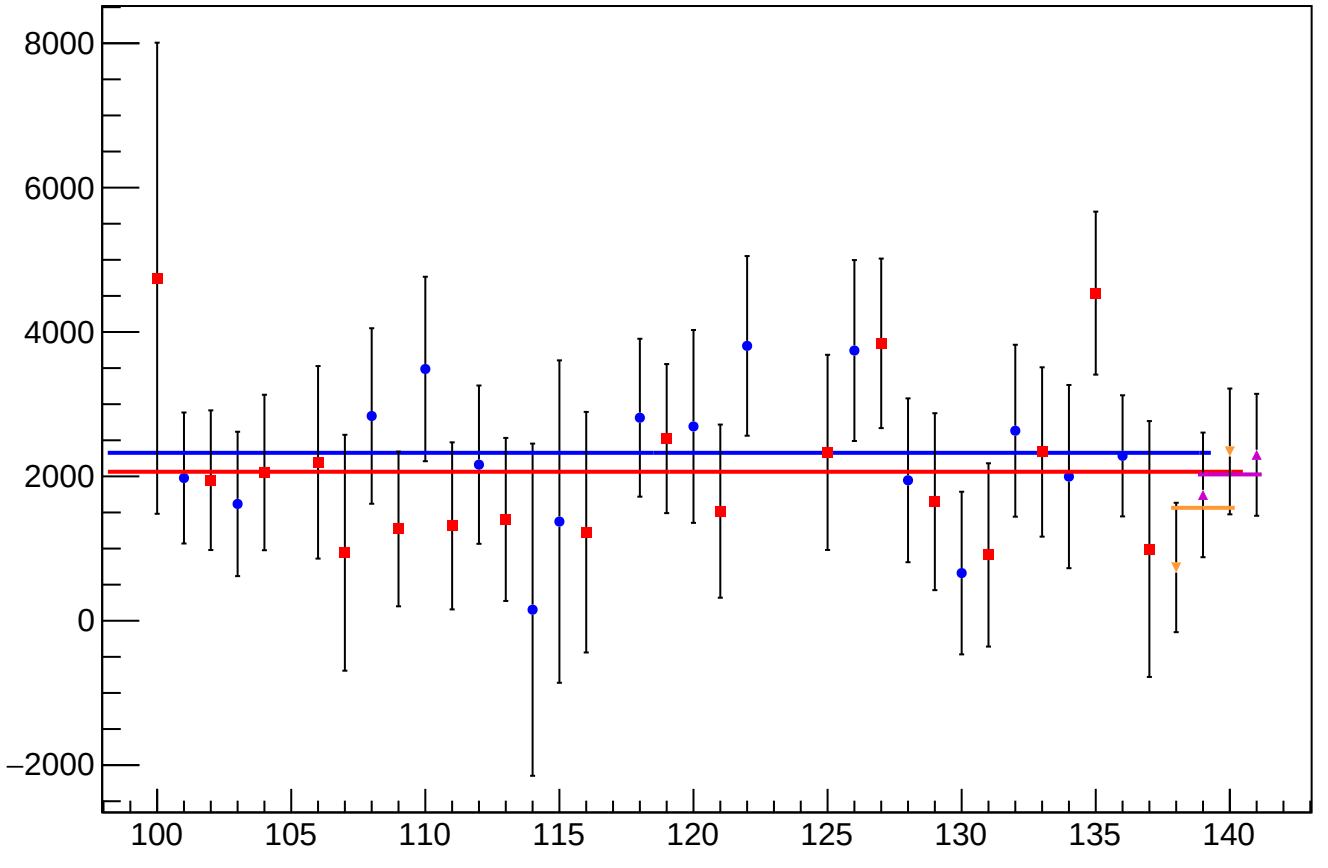
Left: 1408.743+/-0.548 χ^2/NDF: 14681.5/3

Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1195.549+/-0.289 χ^2/NDF:691789.6/17

Out: 1236.550+/-0.297 χ^2/NDF:439876.3/19

All: 1215.516+/-0.207 χ^2/NDF: 1141449.8/37



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

Left Out: 1564.494+/-624.769 χ^2/NDF:1.7/1

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

Left In: 2027.169+/-603.658 χ^2/NDF:0.2/1

Left: 1803.781+/-434.122 χ^2/NDF: 2.1/3

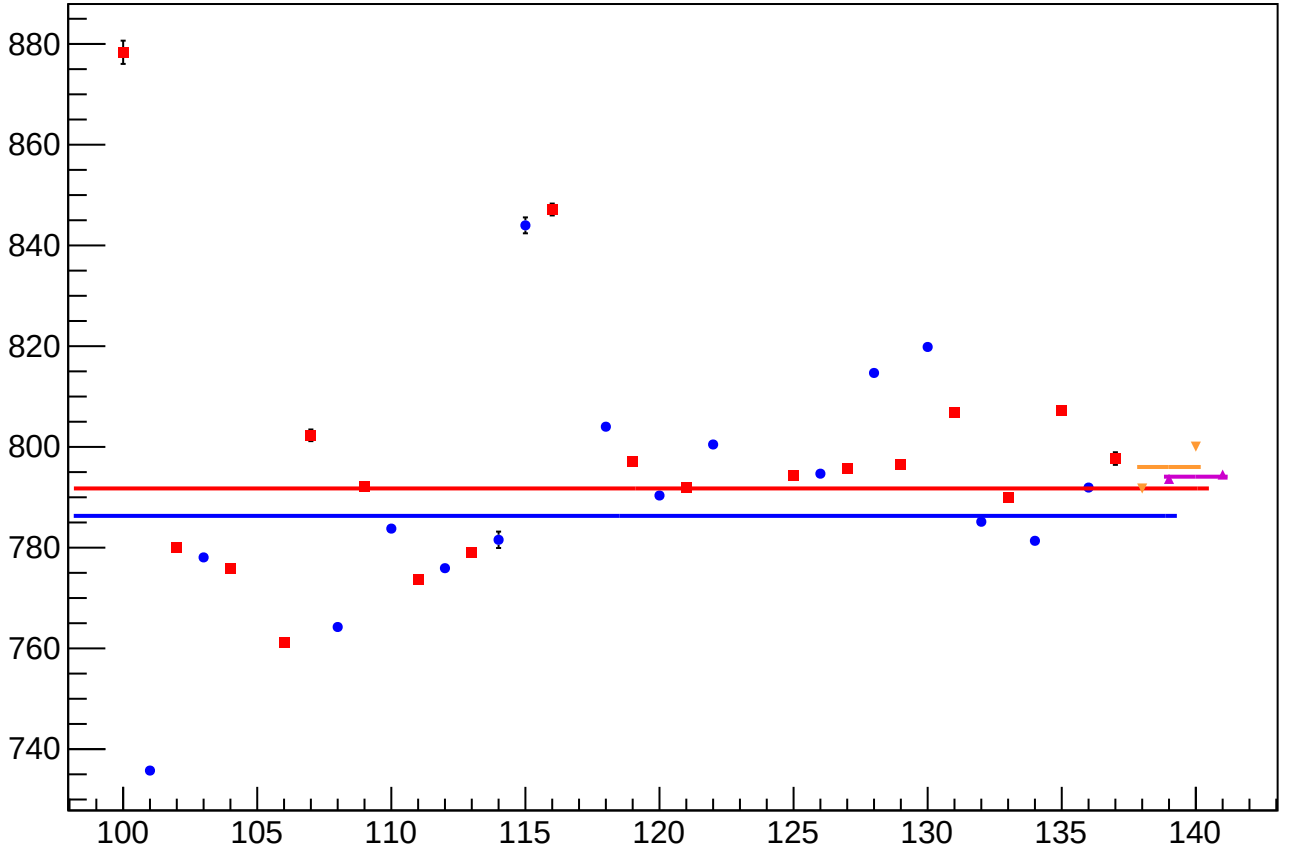
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2269.630+/-262.990 χ^2/NDF:8.6/17

Out: 1974.536+/-264.378 χ^2/NDF:13.8/19

All: 2122.860+/-186.451 χ^2/NDF: 23.0/37

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 796.016+/-0.442 χ^2/NDF:88.4/1

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

Left In: 794.090+/-0.427 χ^2/NDF:1.0/1

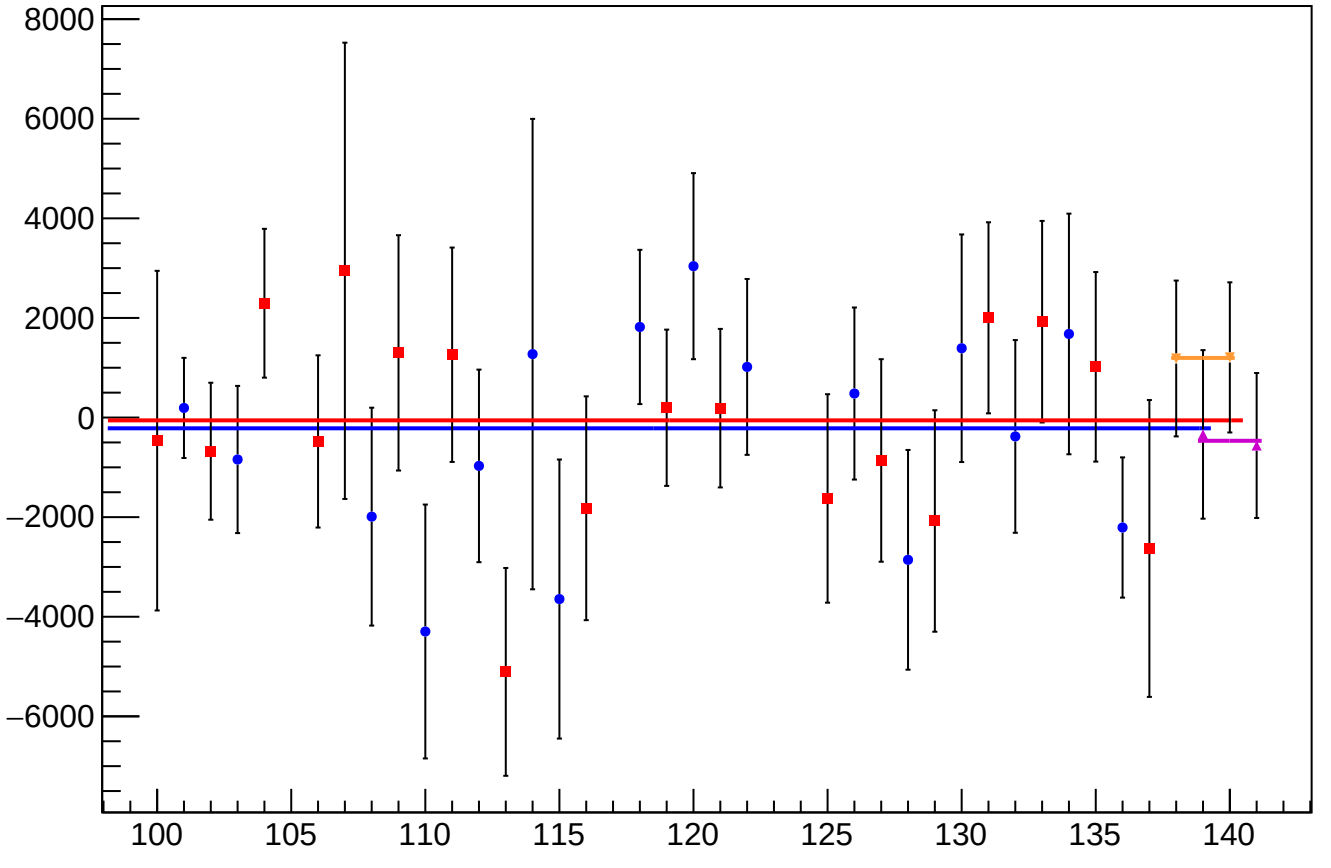
Left: 795.020+/-0.307 χ^2/NDF: 99.3/3

Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

In: 787.786+/-0.186 χ^2/NDF:12841.3/17

Out: 792.519+/-0.187 χ^2/NDF:7179.8/19

All: 790.140+/-0.132 χ^2/NDF: 20343.3/37



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

Left Out: 1197.202+/-1085.546 χ^2/NDF:0.0/1

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

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

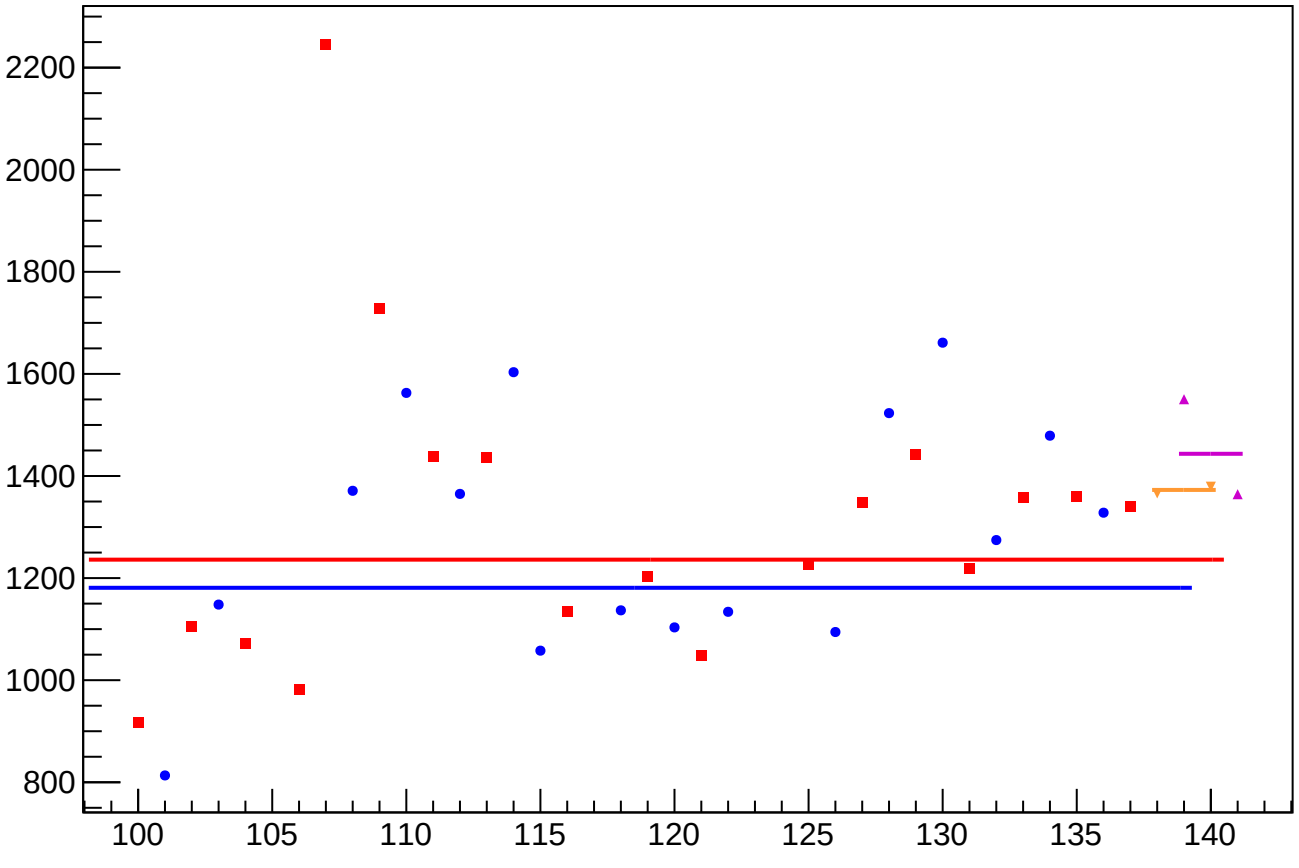
Left: 379.008+/-773.920 χ^2/NDF: 1.2/3

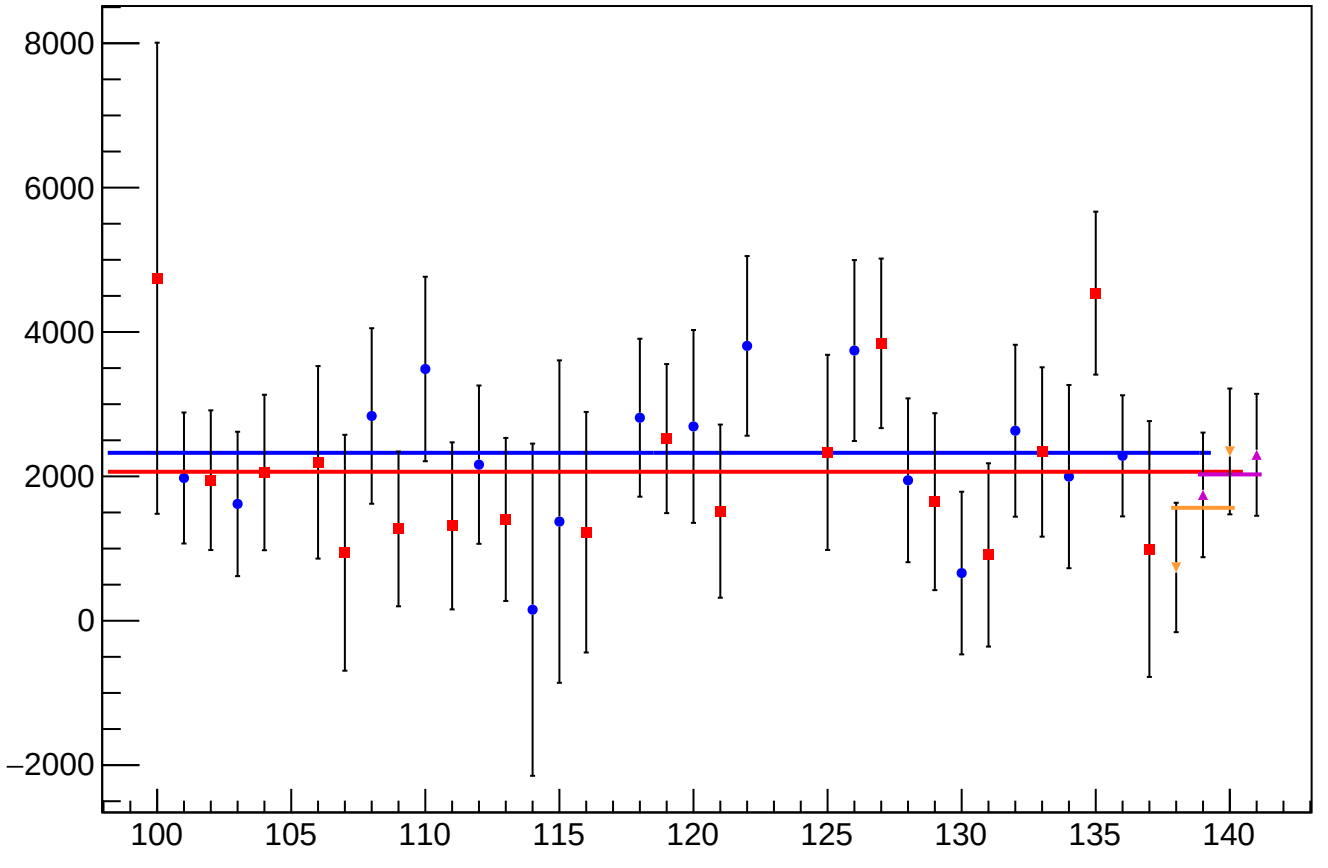
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -251.834+/-416.326 χ^2/NDF:15.3/17

Out: 136.913+/-426.642 χ^2/NDF:16.3/19

All: -62.217+/-297.967 χ^2/NDF: 32.0/37


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
105
110
115
120
125
130
135
140
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1372.717+/-0.768 χ²/NDF:72.7/1
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1443.500+/-0.780 χ²/NDF:13896.1/1
Left: 1407.523+/-0.547 χ²/NDF: 18150.2/3
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1218.351+/-0.294 χ²/NDF:682047.1/17
Out: 1257.232+/-0.302 χ²/NDF:424085.5/19
All: 1237.316+/-0.211 χ²/NDF: 1114640.6/37



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

Left Out: 1564.497+/-624.769 χ^2/NDF:1.7/1

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

Left In: 2027.167+/-603.658 χ^2/NDF:0.2/1

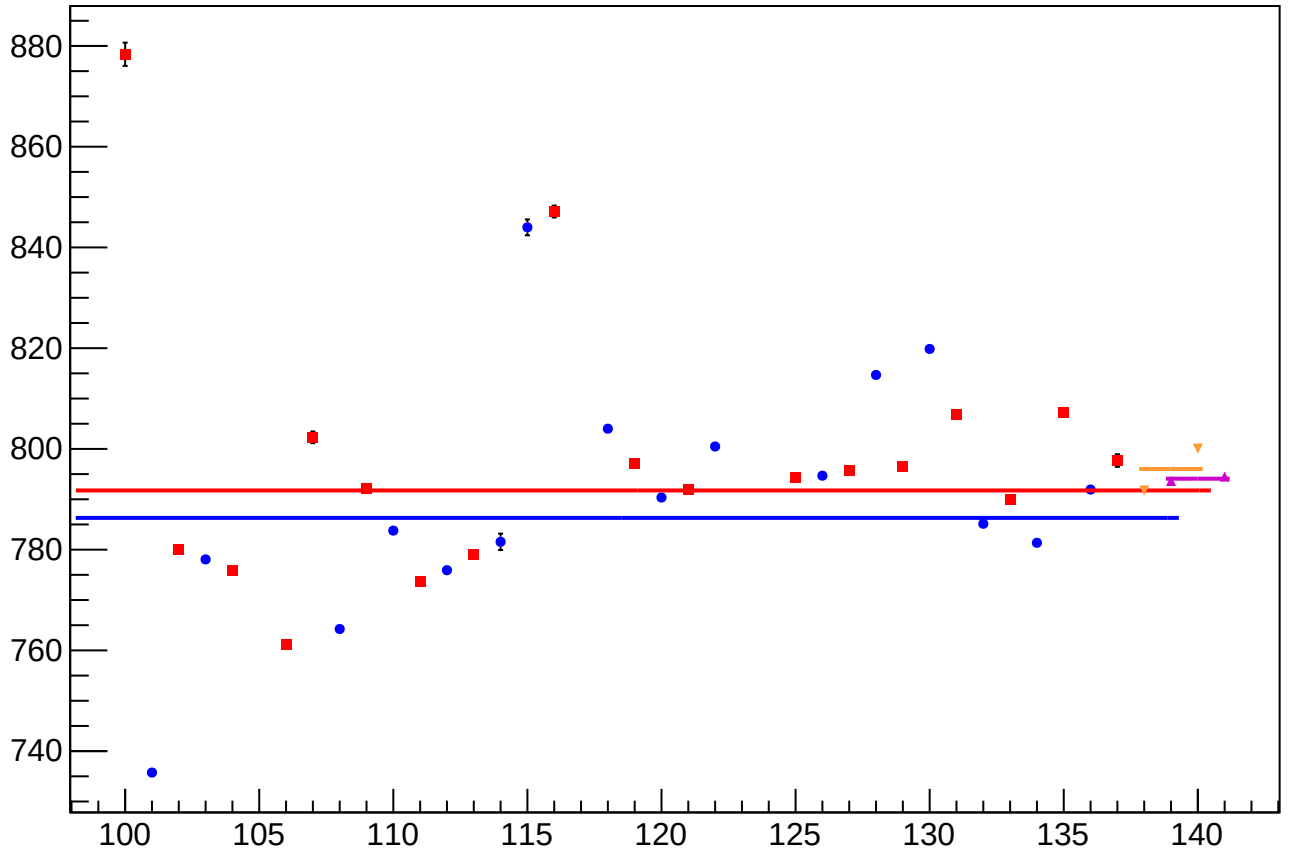
Left: 1803.781+/-434.122 χ^2/NDF: 2.1/3

Right: 2195.029+/-206.463 χ^2/NDF: 20.2/33

In: 2269.629+/-262.990 χ^2/NDF:8.6/17

Out: 1974.536+/-264.378 χ^2/NDF:13.8/19

All: 2122.859+/-186.451 χ^2/NDF: 23.0/37



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

Left Out: 796.016+/-0.442 χ^2/NDF:88.4/1

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

Left In: 794.090+/-0.427 χ^2/NDF:1.0/1

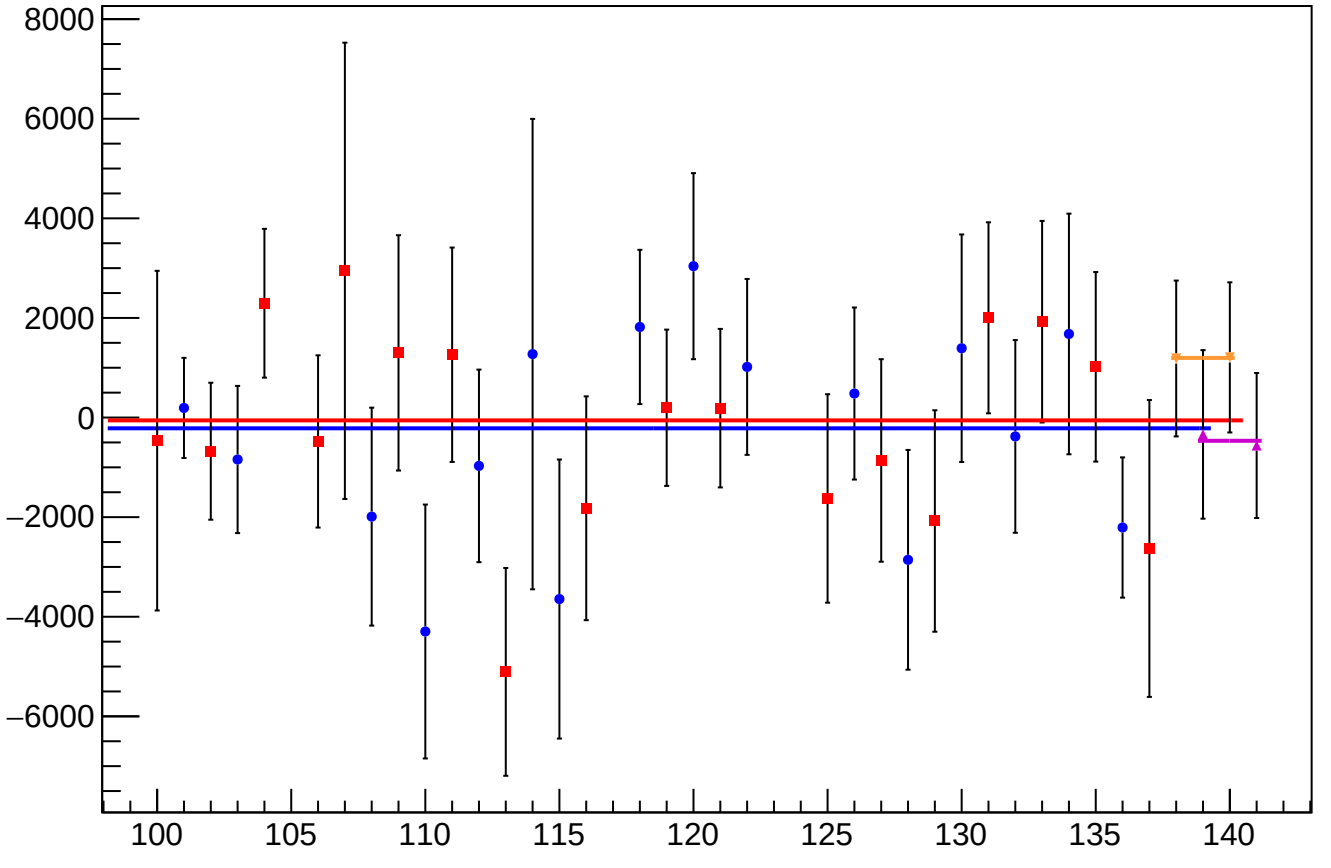
Left: 795.020+/-0.307 χ^2/NDF: 99.3/3

Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

In: 787.786+/-0.186 χ^2/NDF:12841.3/17

Out: 792.519+/-0.187 χ^2/NDF:7179.8/19

All: 790.140+/-0.132 χ^2/NDF: 20343.2/37



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

Left Out: 1197.205+/-1085.548 χ^2/NDF:0.0/1

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

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

Left: 379.009+/-773.922 χ^2/NDF: 1.2/3

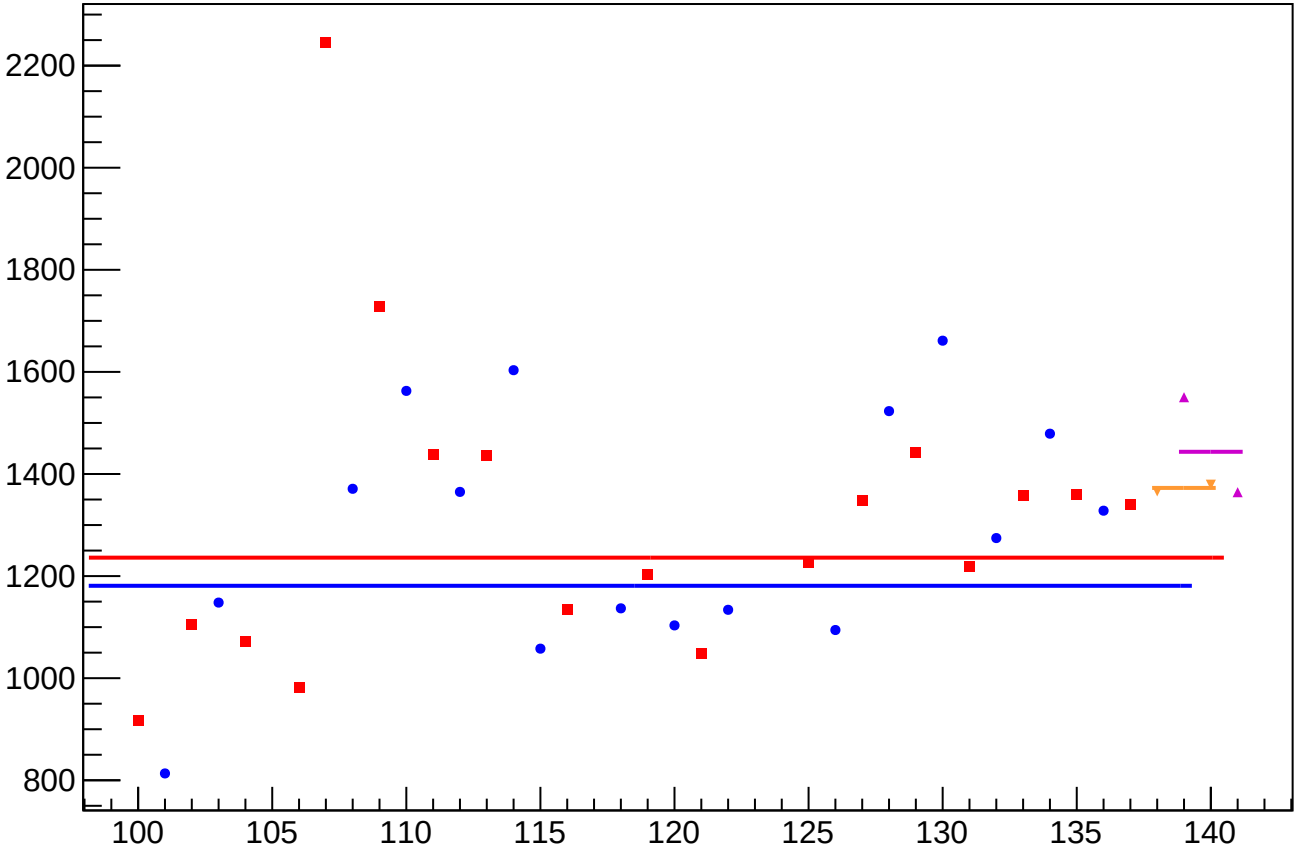
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -251.833+/-416.325 χ^2/NDF:15.3/17

Out: 136.912+/-426.641 χ^2/NDF:16.3/19

All: -62.217+/-297.967 χ^2/NDF: 32.0/37

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1372.720+/-0.768 χ^2/NDF:72.7/1

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

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

Left: 1407.526+/-0.547 χ^2/NDF: 18150.3/3

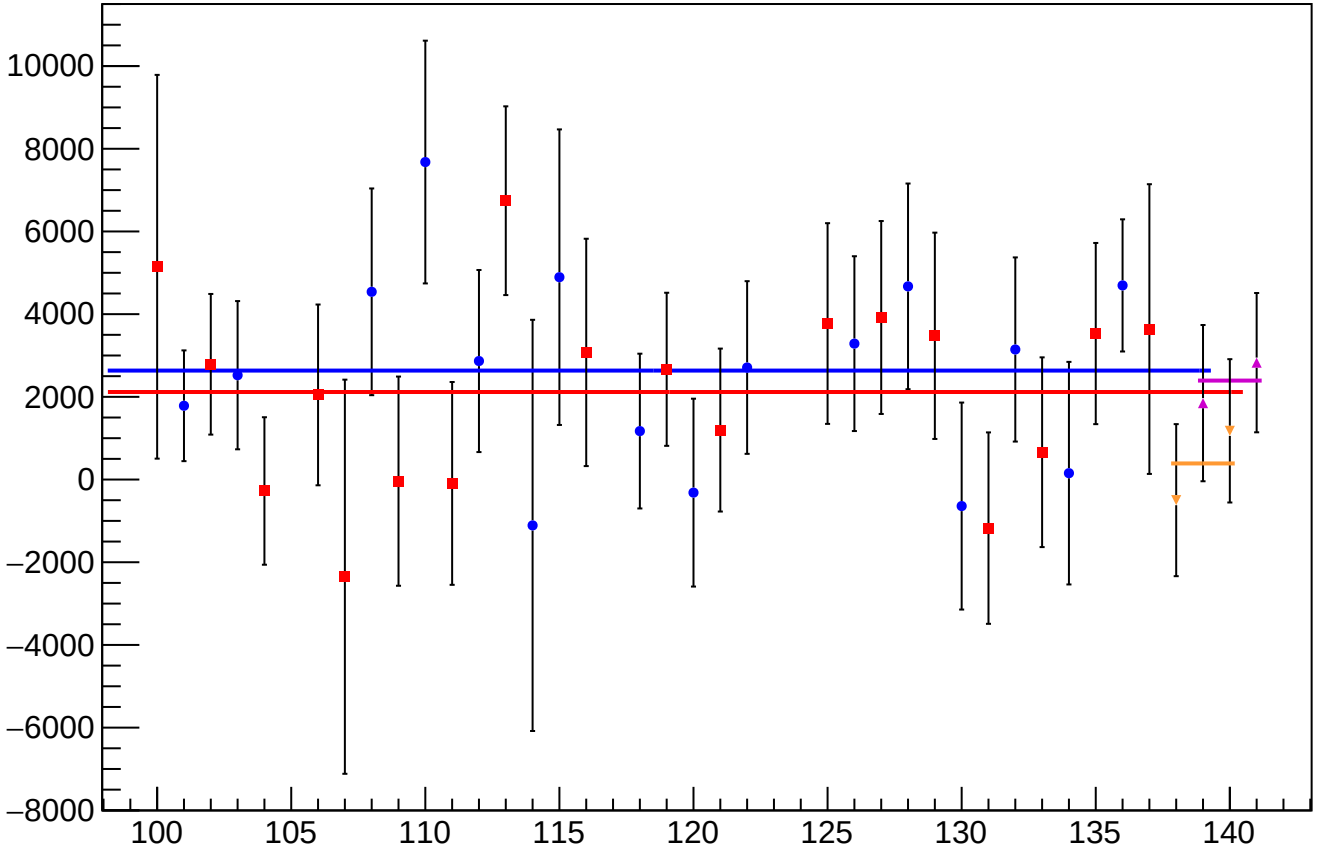
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1218.349+/-0.294 χ^2/NDF:682049.3/17

Out: 1257.229+/-0.302 χ^2/NDF:424086.4/19

All: 1237.313+/-0.211 χ^2/NDF: 1114643.7/37

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 389.274+/-1261.201 χ^2/NDF:0.4/1

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

Left In: 2393.398+/-1257.408 χ^2/NDF:0.1/1

Left: 1394.355+/-890.460 χ^2/NDF: 1.9/3

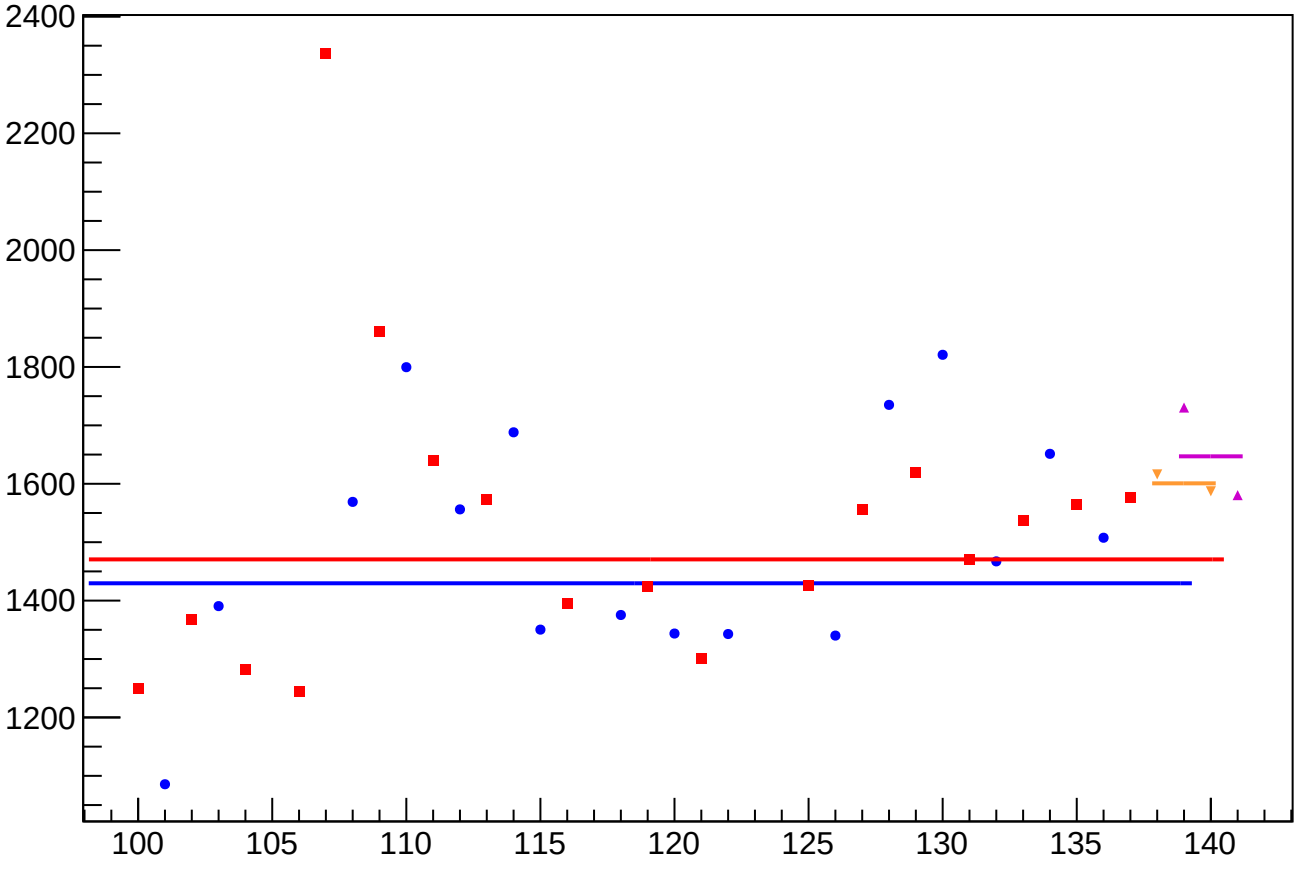
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2597.946+/-494.653 χ^2/NDF:12.4/17

Out: 1843.187+/-502.206 χ^2/NDF:15.7/19

All: 2226.285+/-352.413 χ^2/NDF: 29.3/37

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1600.752+/-0.892 χ^2/NDF:262.0/1

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

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

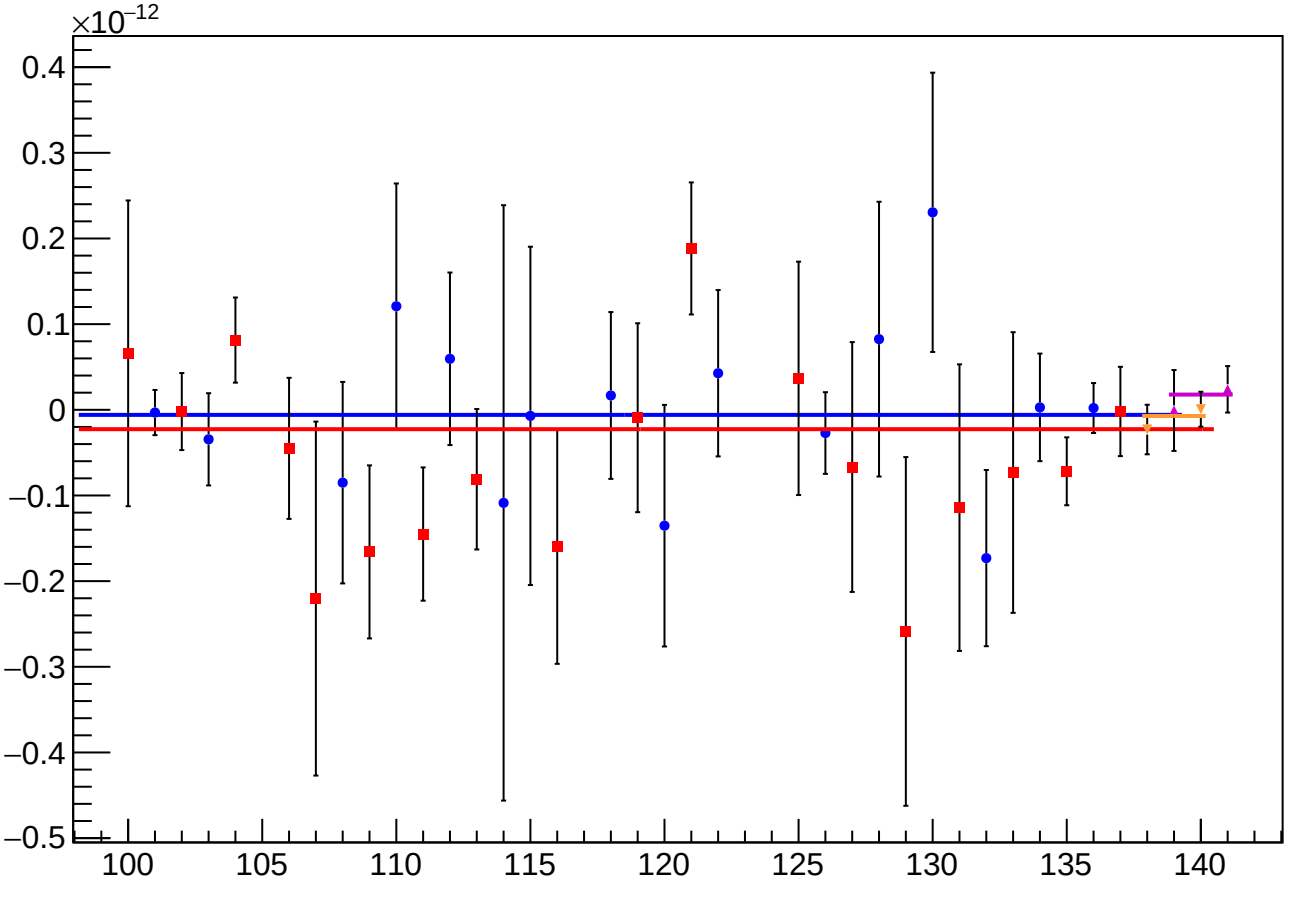
Left: 1623.943+/-0.630 χ^2/NDF: 8629.3/3

Right: 1449.753+/-0.271 χ^2/NDF: 517137.1/33

In: 1463.289+/-0.350 χ^2/NDF:350913.2/17

Out: 1491.208+/-0.355 χ^2/NDF:236261.0/19

All: 1477.037+/-0.249 χ^2/NDF: 590311.5/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.4/1

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

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

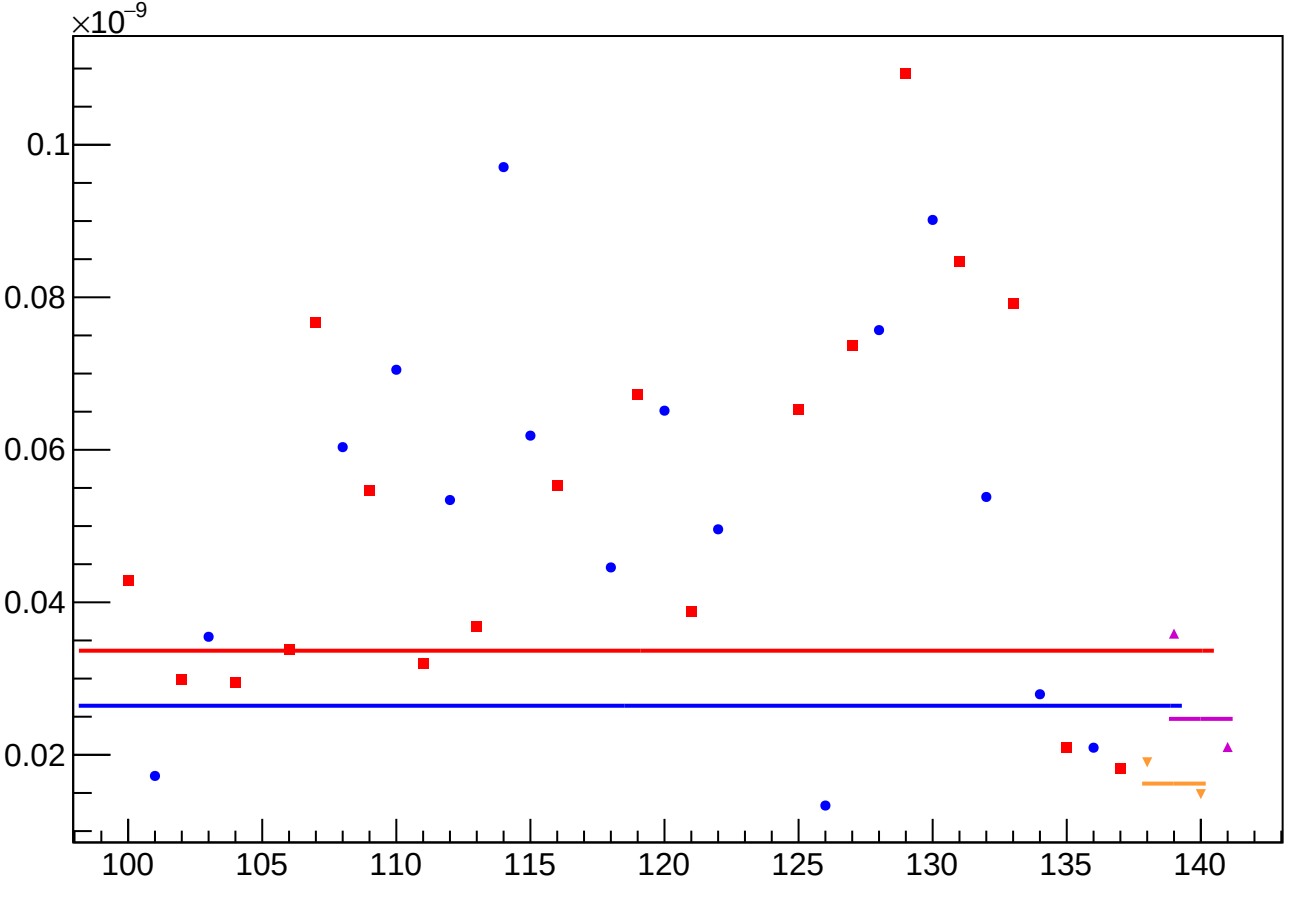
Left: 0.000+/-0.000 χ^2/NDF: 1.4/3

Right: -0.000+/-0.000 χ^2/NDF: 32.1/33

In: 0.000+/-0.000 χ^2/NDF:9.5/17

Out: -0.000+/-0.000 χ^2/NDF:23.9/19

All: -0.000+/-0.000 χ^2/NDF: 34.1/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:27857.4/1

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

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

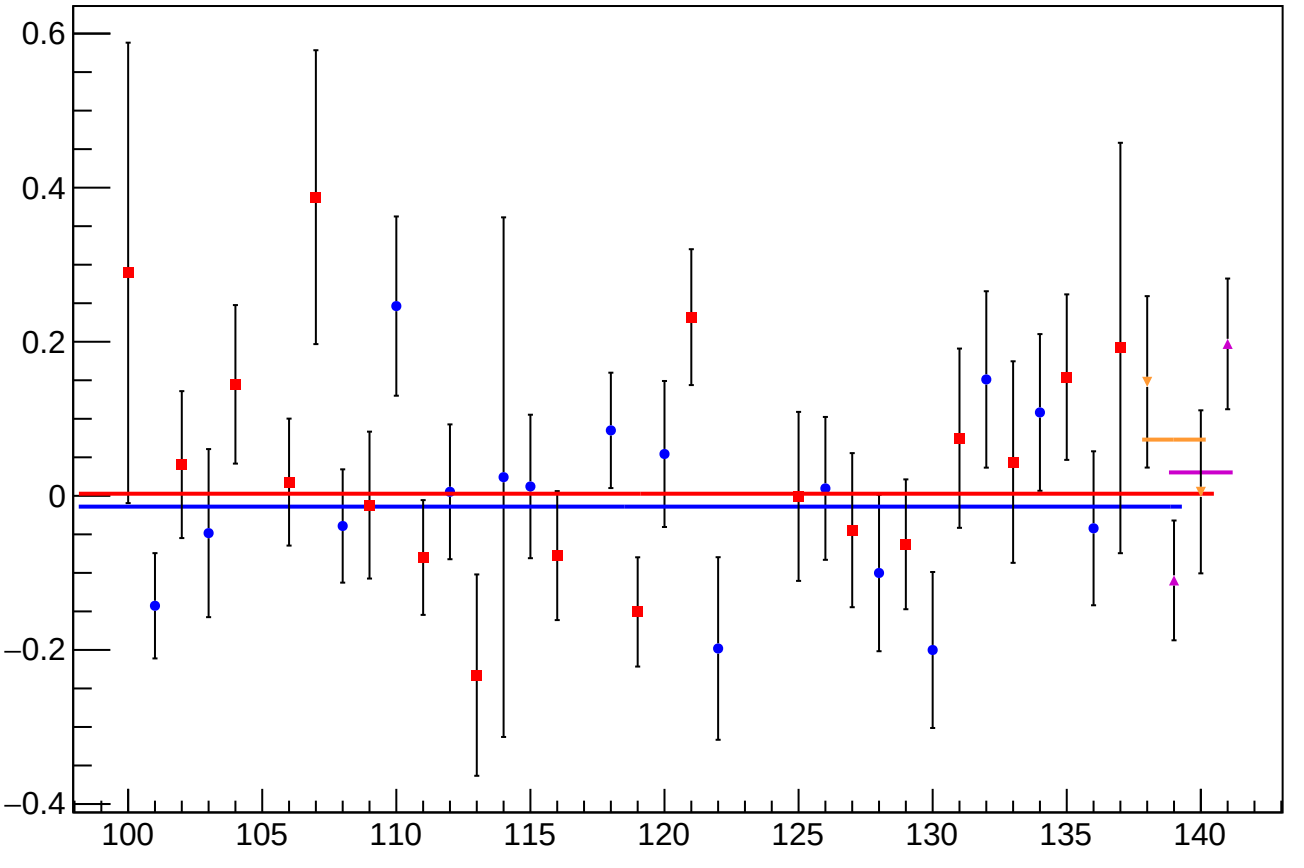
Left: 0.000+/-0.000 χ^2/NDF: 350511.9/3

Right: 0.000+/-0.000 χ^2/NDF: 4035968.6/33

In: 0.000+/-0.000 χ^2/NDF:2295193.4/17

Out: 0.000+/-0.000 χ^2/NDF:2737737.5/19

All: 0.000+/-0.000 χ^2/NDF: 5052529.3/37



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

Left Out: 0.073+/-0.077 χ^2/NDF:0.9/1

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

Left In: 0.030+/-0.057 χ^2/NDF:7.1/1

Left: 0.046+/-0.046 χ^2/NDF: 8.2/3

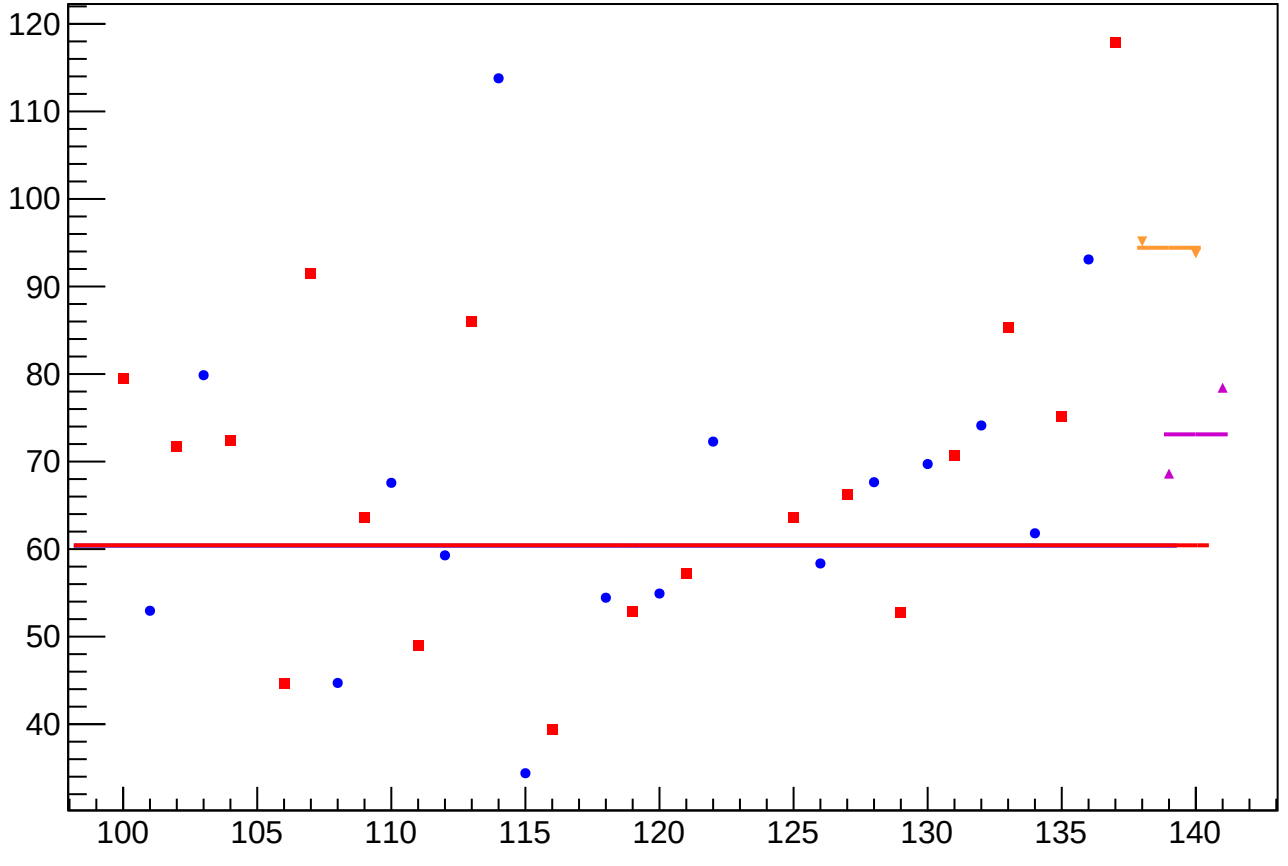
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.022 χ^2/NDF:29.0/17

Out: 0.009+/-0.023 χ^2/NDF:29.4/19

All: 0.000+/-0.016 χ^2/NDF: 58.6/37

asym_us_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 94.426+/-0.054 χ^2/NDF:159.0/1

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

Left In: 73.109+/-0.041 χ^2/NDF:14541.4/1

Left: 80.750+/-0.032 χ^2/NDF: 113874.2/3

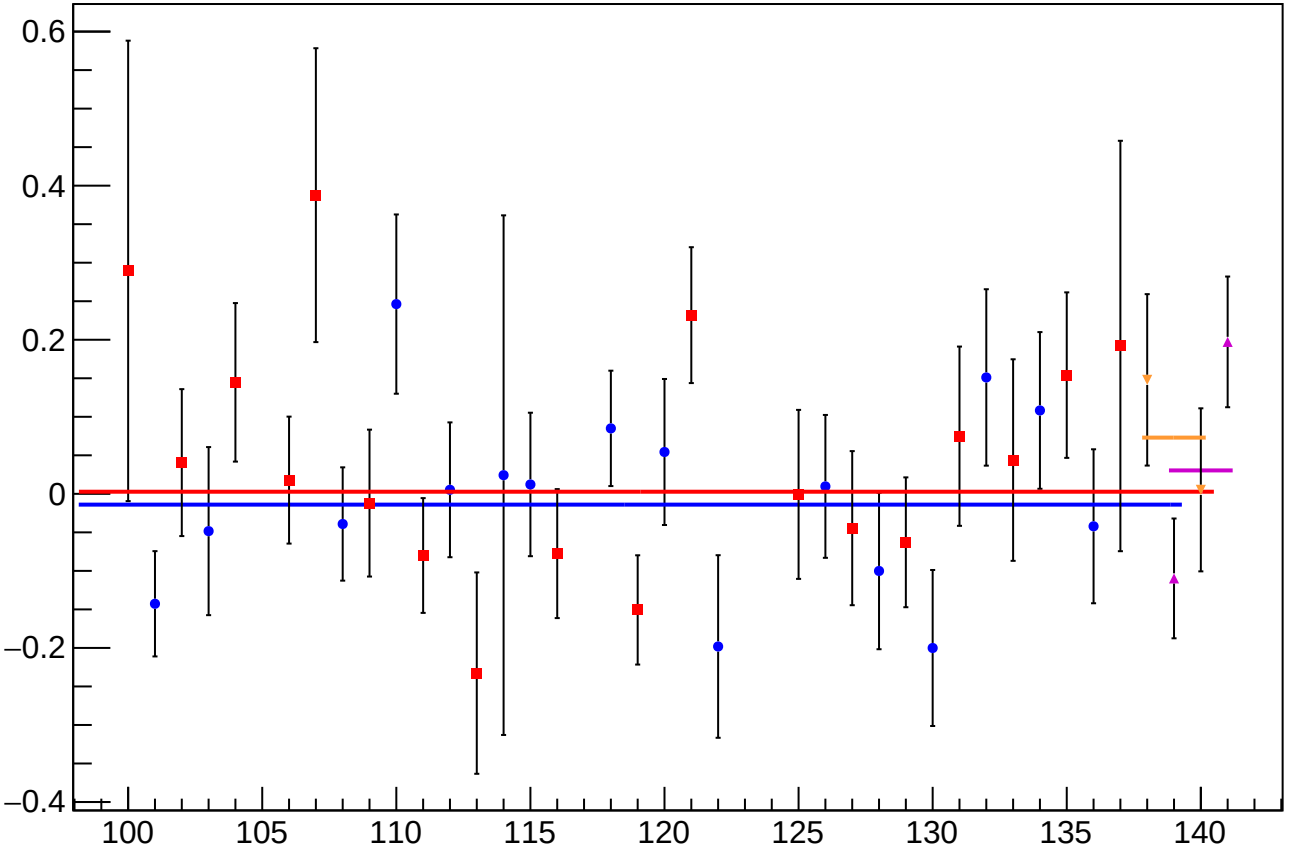
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 62.277+/-0.016 χ^2/NDF:801531.0/17

Out: 63.420+/-0.016 χ^2/NDF:1069800.8/19

All: 62.831+/-0.011 χ^2/NDF: 1873940.8/37

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.073+/-0.077 χ^2/NDF:0.9/1

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

Left In: 0.030+/-0.057 χ^2/NDF:7.1/1

Left: 0.046+/-0.046 χ^2/NDF: 8.2/3

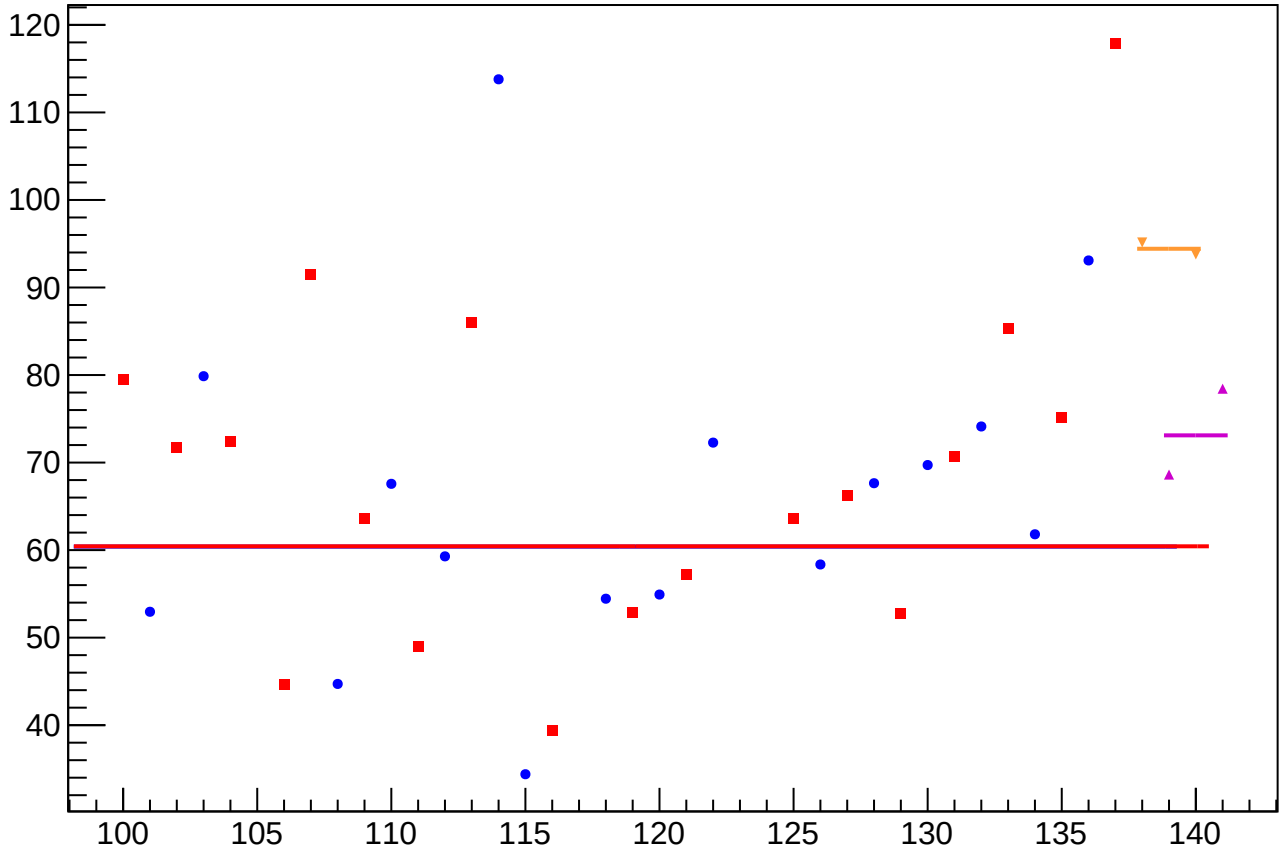
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.022 χ^2/NDF:29.0/17

Out: 0.009+/-0.023 χ^2/NDF:29.4/19

All: 0.000+/-0.016 χ^2/NDF: 58.6/37

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 94.426+/-0.054 χ^2/NDF:159.0/1

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

Left In: 73.109+/-0.041 χ^2/NDF:14541.4/1

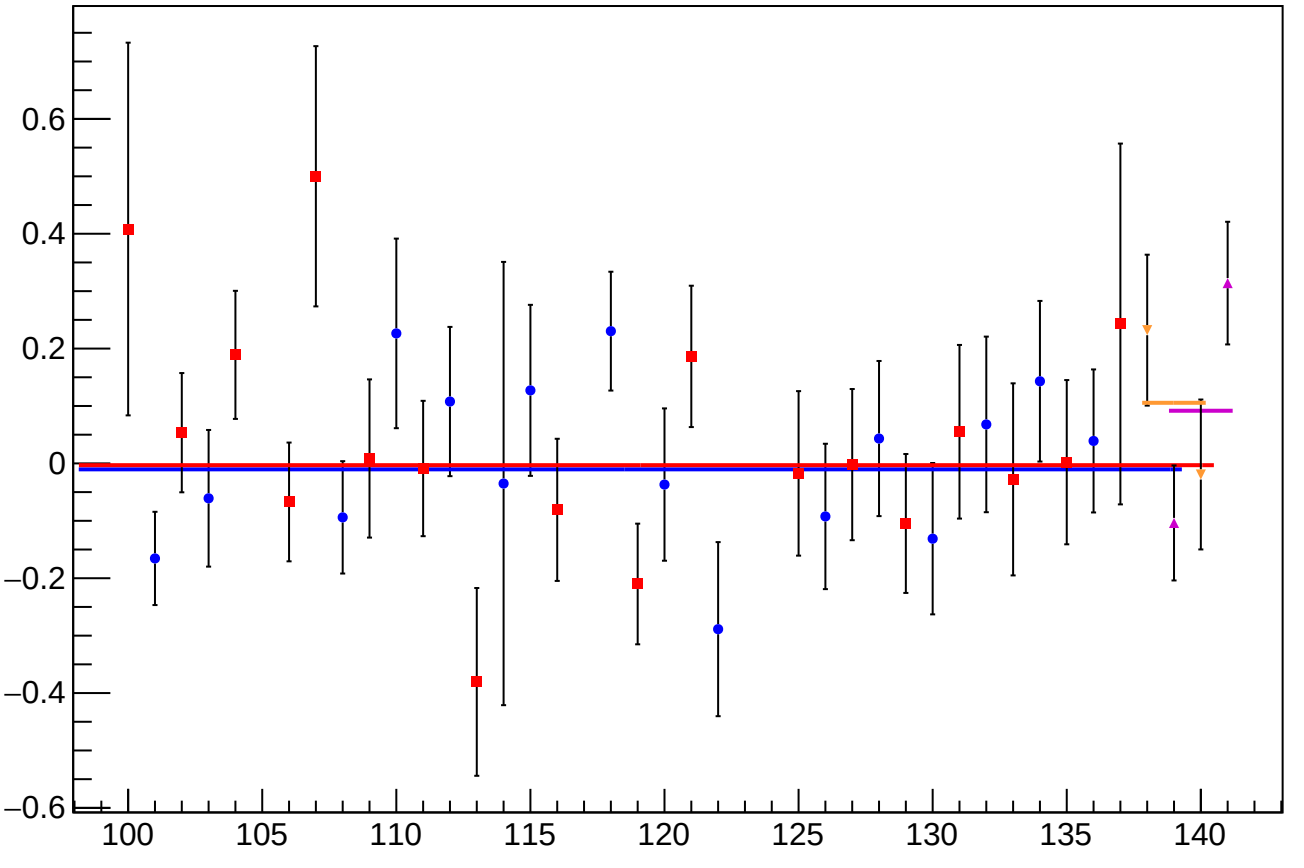
Left: 80.750+/-0.032 χ^2/NDF: 113874.2/3

Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 62.277+/-0.016 χ^2/NDF:801531.0/17

Out: 63.420+/-0.016 χ^2/NDF:1069800.8/19

All: 62.831+/-0.011 χ^2/NDF: 1873940.8/37



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

Left Out: 0.106+/-0.093 χ^2/NDF:1.8/1

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

Left In: 0.092+/-0.073 χ^2/NDF:8.1/1

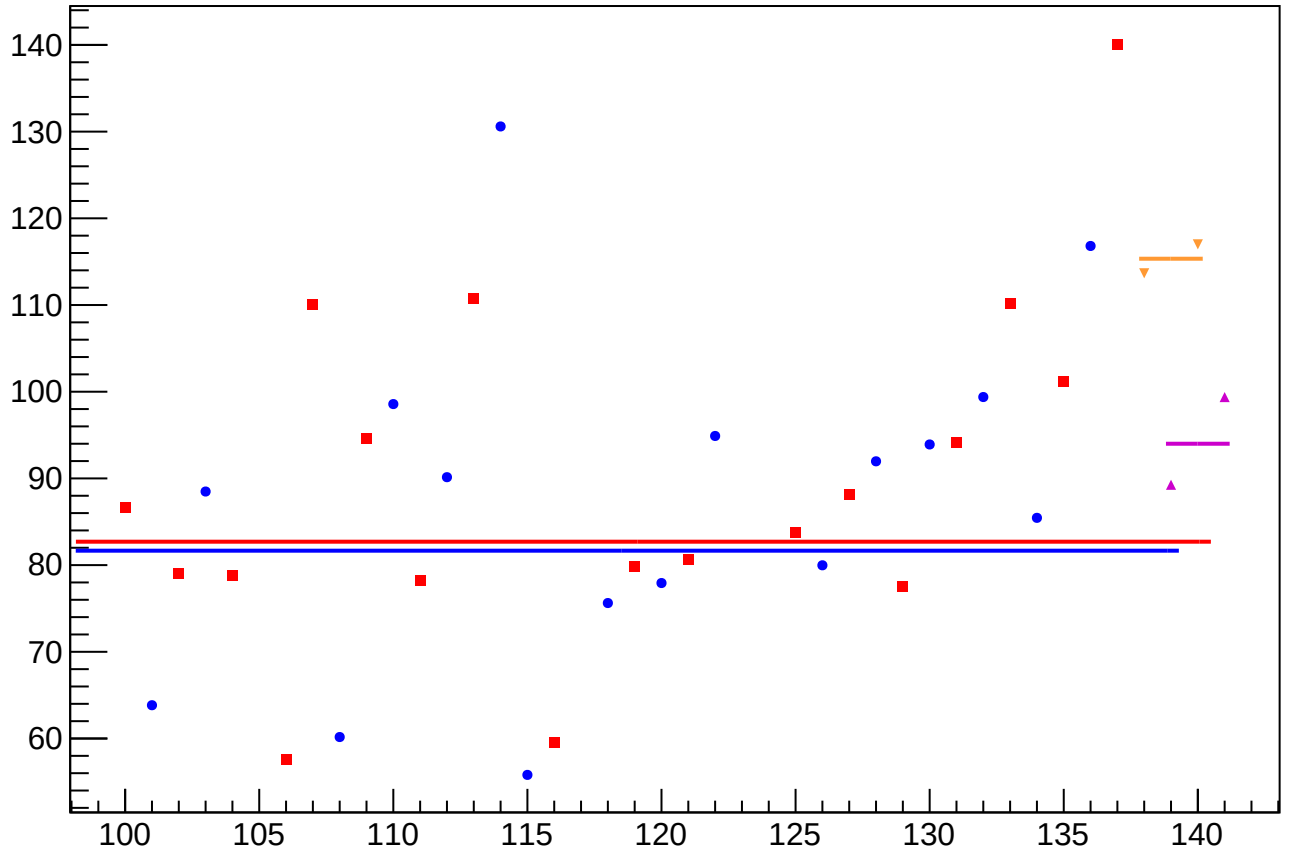
Left: 0.097+/-0.057 χ^2/NDF: 10.0/3

Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.006+/-0.029 χ^2/NDF:29.9/17

Out: 0.008+/-0.030 χ^2/NDF:26.7/19

All: 0.007+/-0.021 χ^2/NDF: 56.7/37



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

Left Out: 115.340+/-0.065 χ^2/NDF:649.6/1

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

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

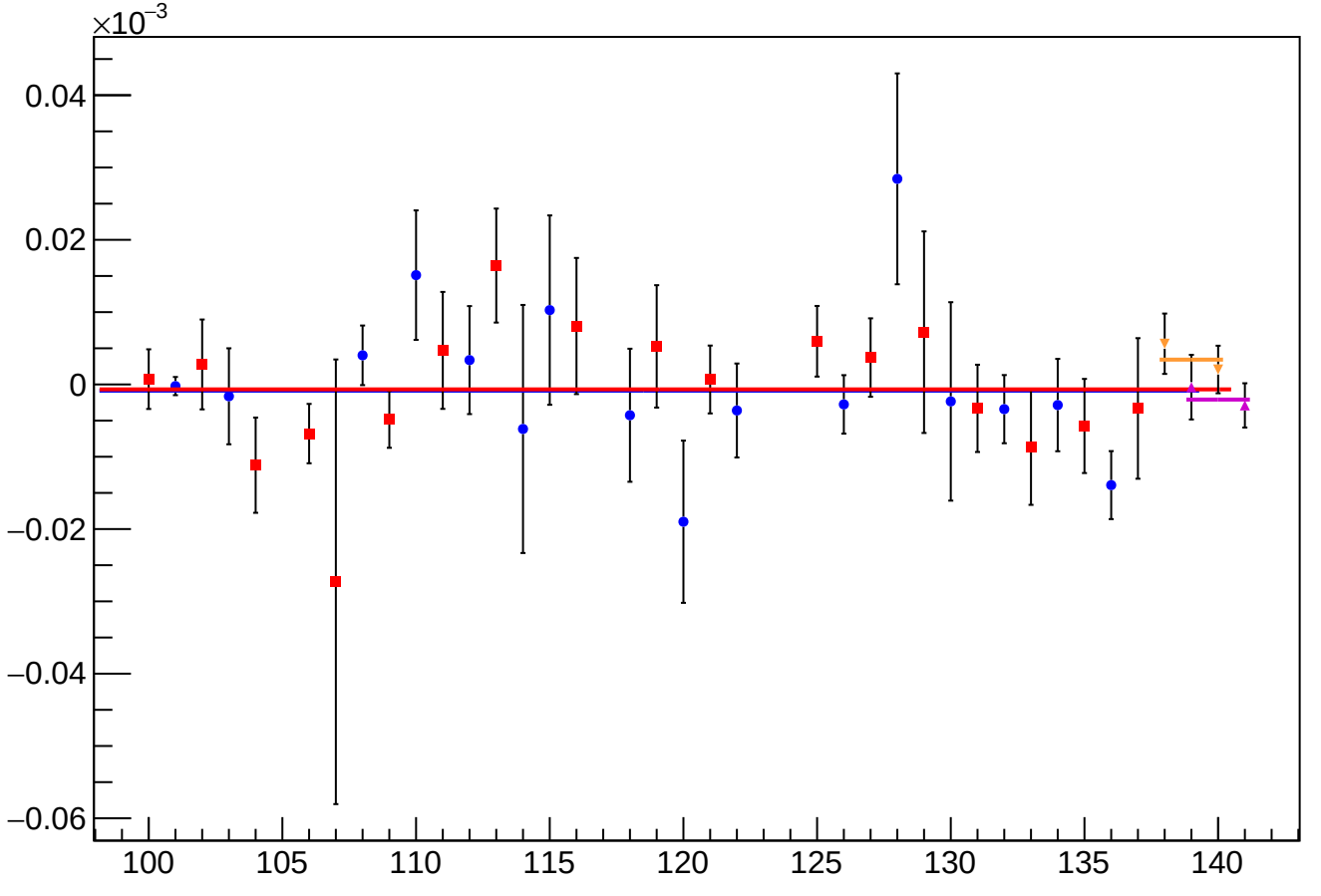
Left: 102.185+/-0.041 χ^2/NDF: 75634.6/3

Right: 82.180+/-0.016 χ^2/NDF: 1035987.5/33

In: 83.608+/-0.021 χ^2/NDF:619413.5/17

Out: 86.131+/-0.021 χ^2/NDF:695967.0/19

All: 84.826+/-0.015 χ^2/NDF: 1322685.5/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

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

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

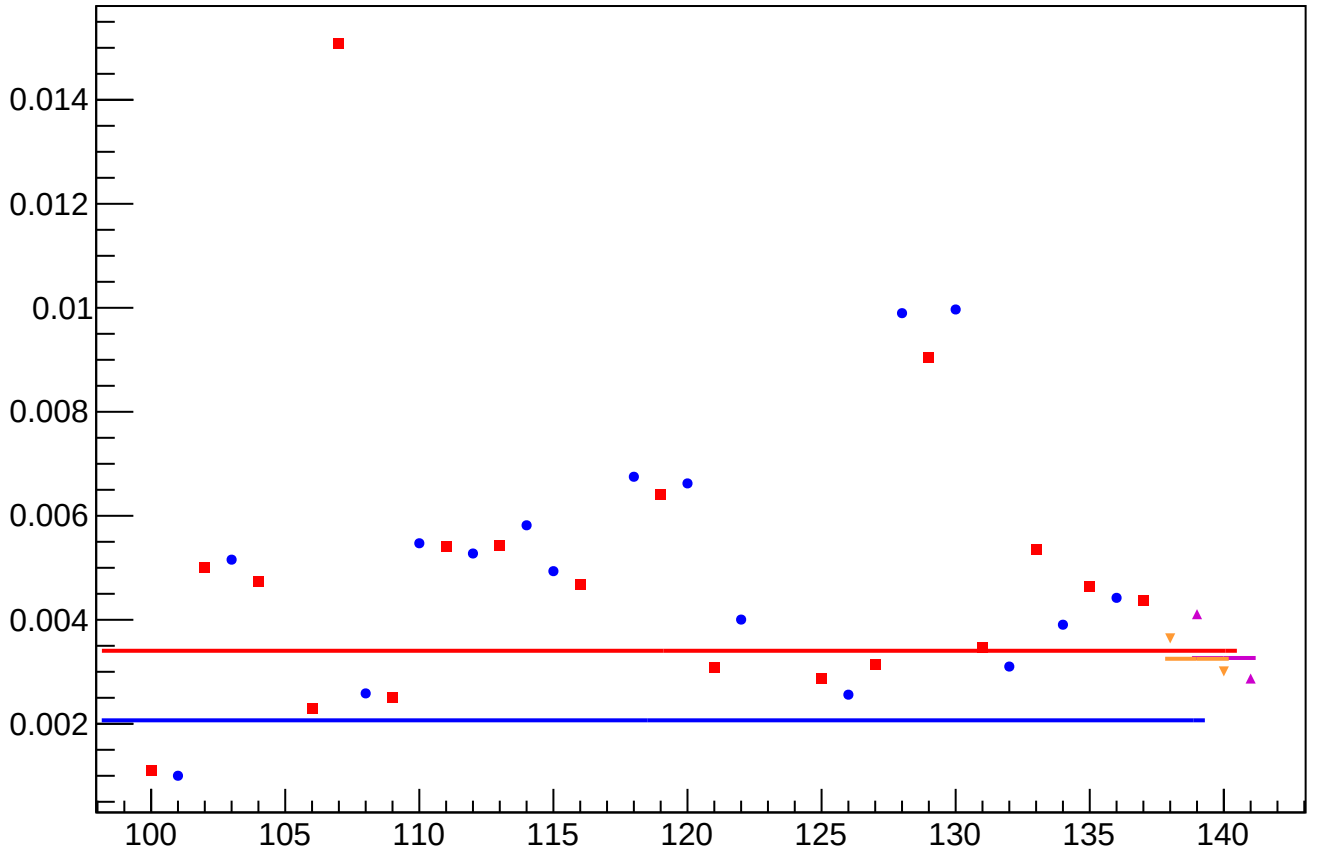
Left: 0.000+/-0.000 χ^2/NDF: 3.0/3

Right: -0.000+/-0.000 χ^2/NDF: 39.7/33

In: -0.000+/-0.000 χ^2/NDF:21.7/17

Out: 0.000+/-0.000 χ^2/NDF:20.7/19

All: -0.000+/-0.000 χ^2/NDF: 43.2/37



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

Left Out: 0.003+/-0.000 χ^2/NDF:28639.5/1

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

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

Left: 0.003+/-0.000 χ^2/NDF: 133099.1/3

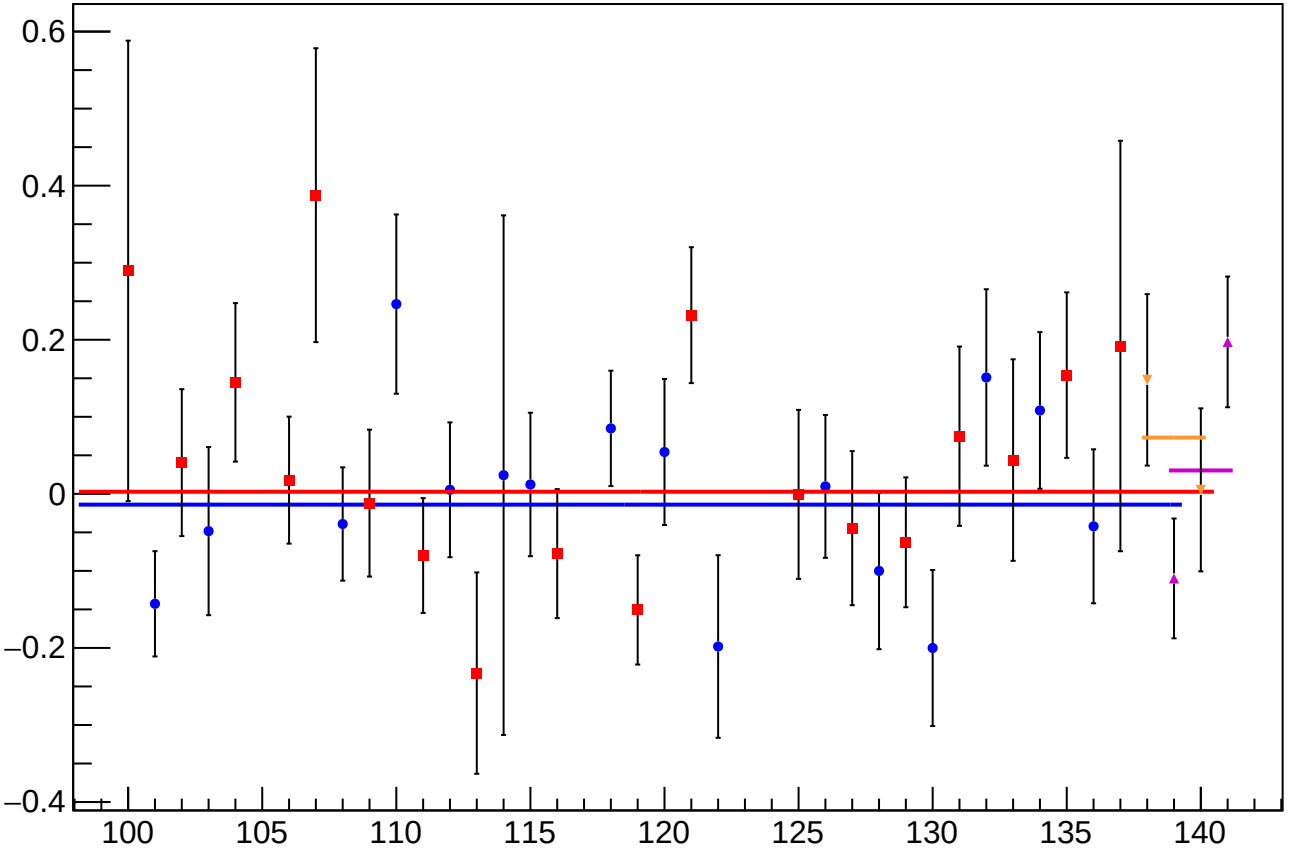
Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

In: 0.002+/-0.000 χ^2/NDF:6306580.3/17

Out: 0.003+/-0.000 χ^2/NDF:2525373.6/19

All: 0.003+/-0.000 χ^2/NDF: 9894268.9/37

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.073+/-0.077 χ^2/NDF:0.9/1

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

Left In: 0.030+/-0.057 χ^2/NDF:7.1/1

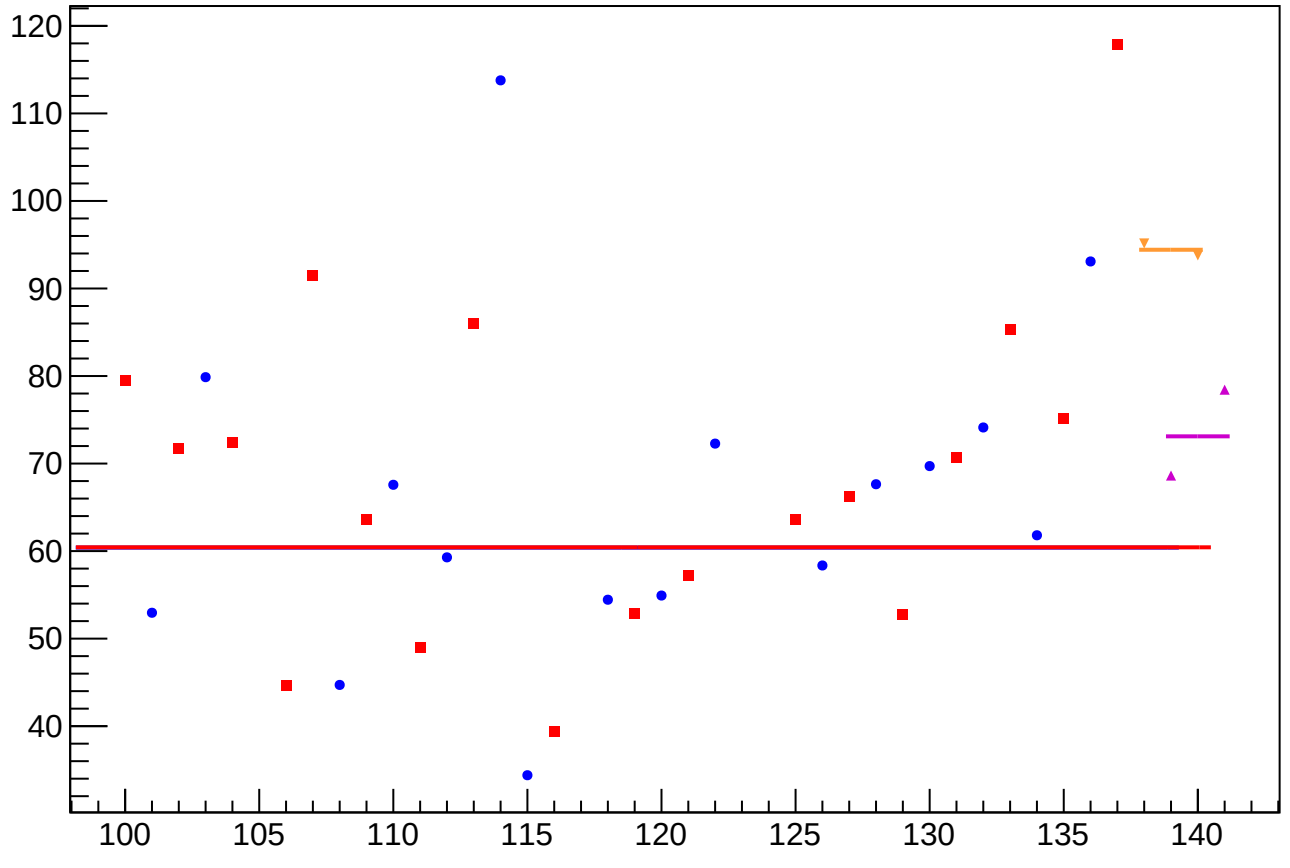
Left: 0.046+/-0.046 χ^2/NDF: 8.2/3

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.022 χ^2/NDF:29.0/17

Out: 0.009+/-0.023 χ^2/NDF:29.4/19

All: 0.000+/-0.016 χ^2/NDF: 58.6/37



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

Left Out: 94.426+/-0.054 χ^2/NDF:159.1/1

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

Left In: 73.110+/-0.041 χ^2/NDF:14537.2/1

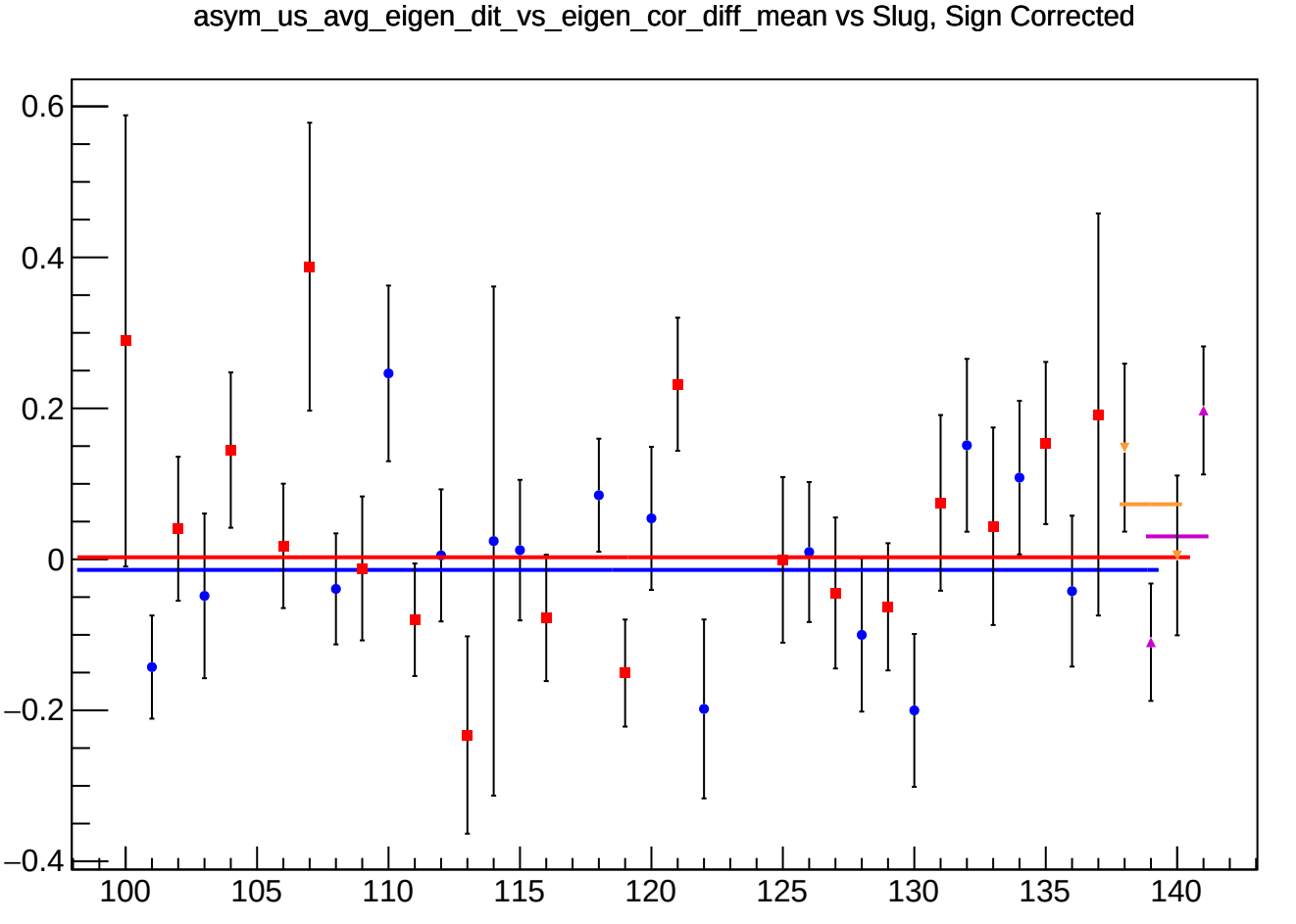
Left: 80.750+/-0.032 χ^2/NDF: 113865.0/3

Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

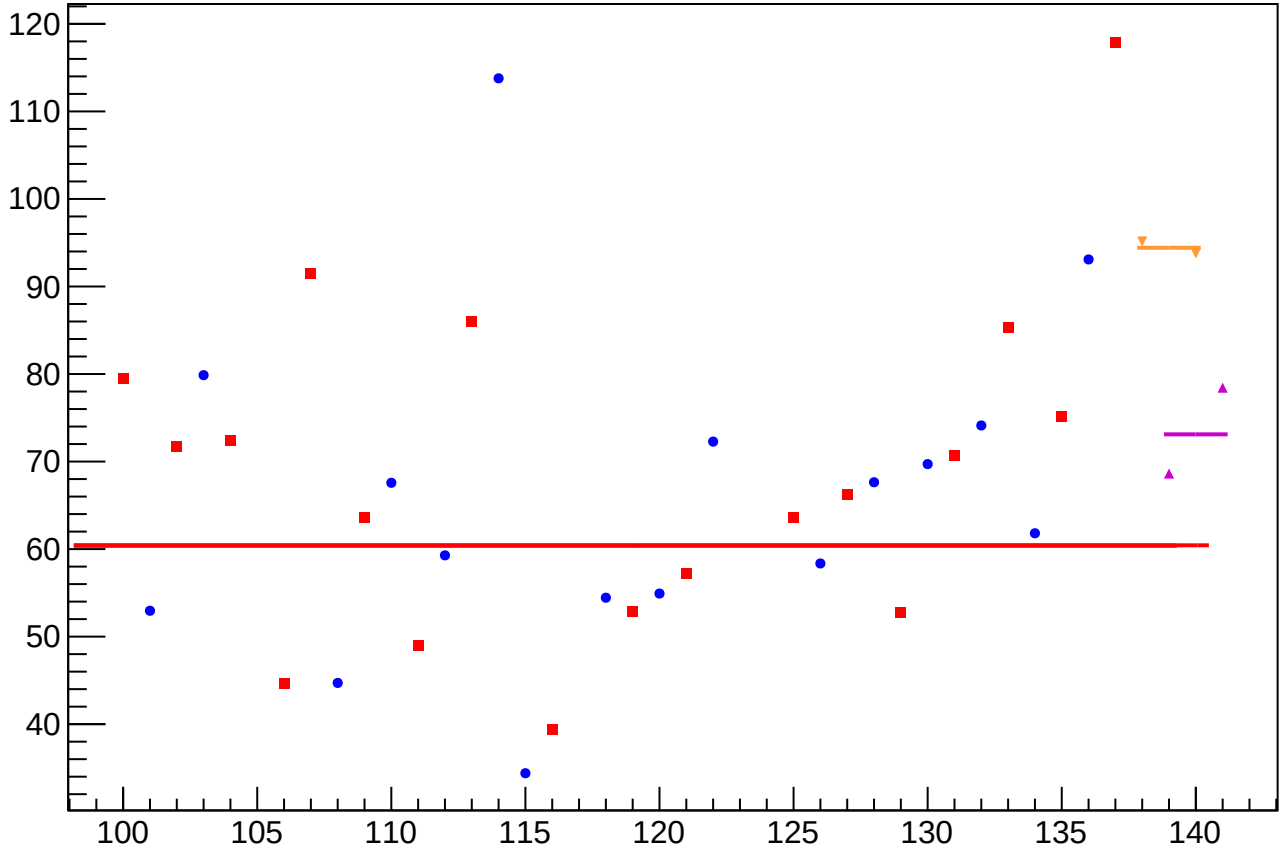
In: 62.276+/-0.016 χ^2/NDF:801564.3/17

Out: 63.418+/-0.016 χ^2/NDF:1069868.4/19

All: 62.829+/-0.011 χ^2/NDF: 1874039.7/37


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
105
110
115
120
125
130
135
140
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: 0.073+/-0.077 χ²/NDF:0.9/1
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.030+/-0.057 χ²/NDF:7.1/1
Left: 0.046+/-0.046 χ²/NDF: 8.2/3
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.007+/-0.022 χ²/NDF:29.0/17
Out: 0.009+/-0.023 χ²/NDF:29.4/19
All: 0.000+/-0.016 χ²/NDF: 58.6/37

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 94.426+/-0.054 χ^2/NDF:159.1/1

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

Left In: 73.110+/-0.041 χ^2/NDF:14537.2/1

Left: 80.750+/-0.032 χ^2/NDF: 113865.0/3

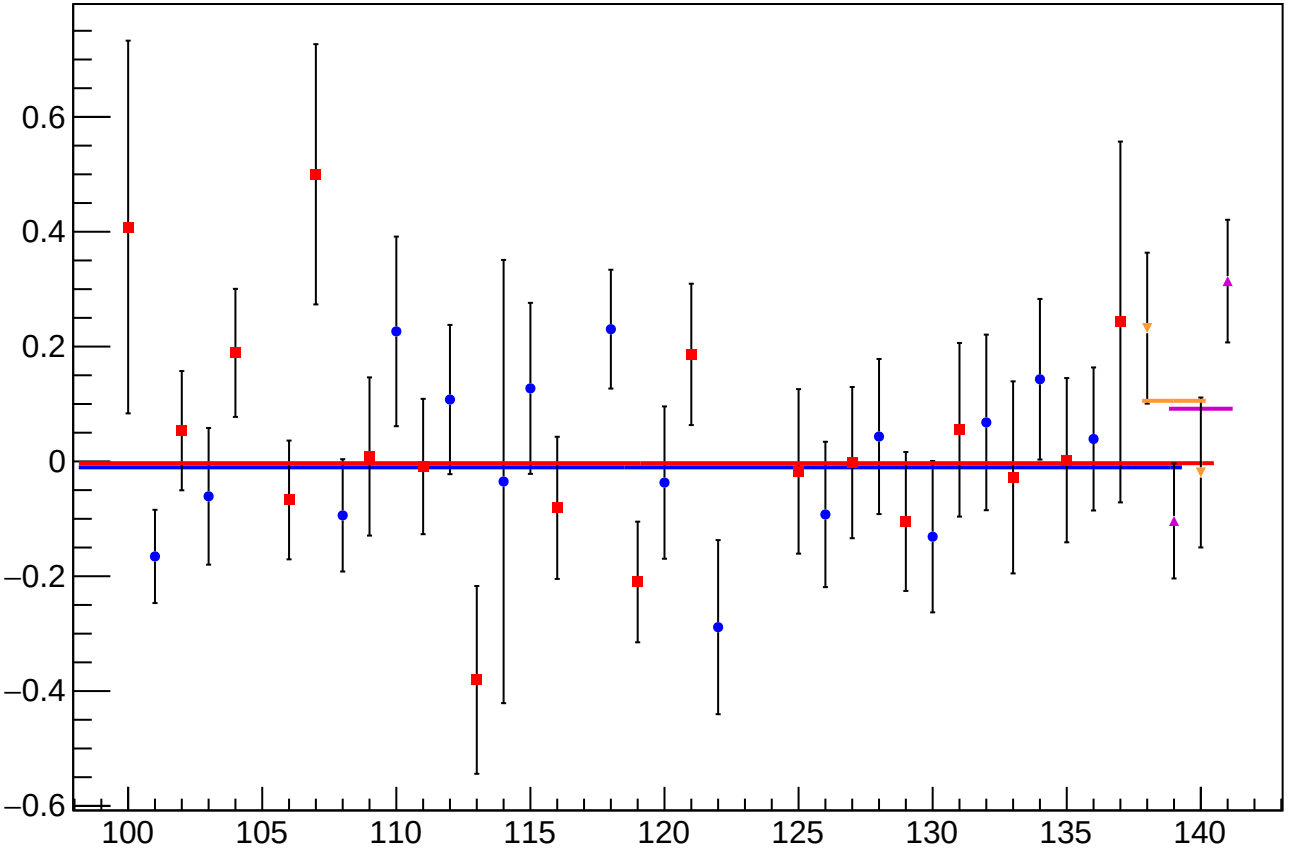
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 62.276+/-0.016 χ^2/NDF:801564.3/17

Out: 63.418+/-0.016 χ^2/NDF:1069868.4/19

All: 62.829+/-0.011 χ^2/NDF: 1874039.7/37

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.106+/-0.093 χ^2/NDF:1.8/1

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

Left In: 0.092+/-0.073 χ^2/NDF:8.1/1

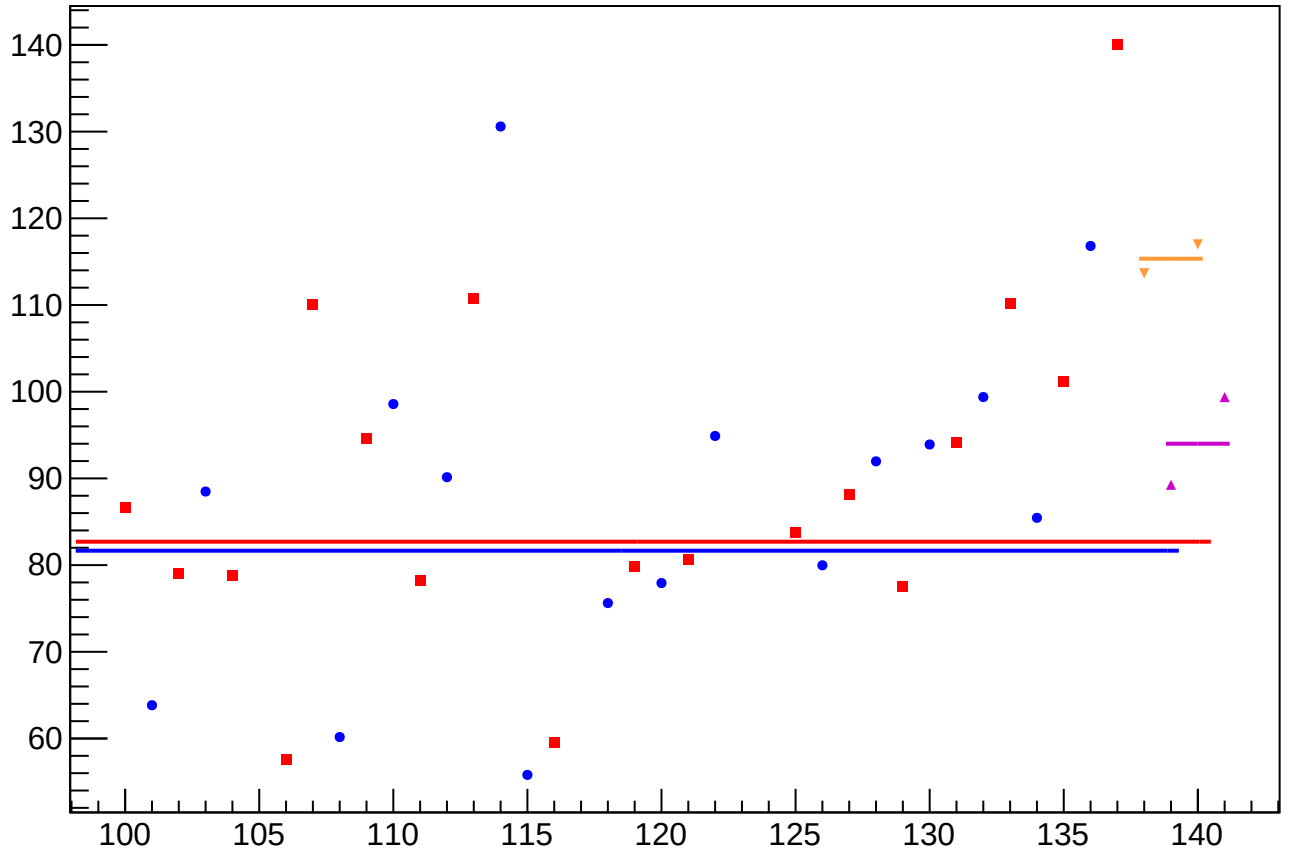
Left: 0.097+/-0.057 χ^2/NDF: 10.0/3

Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.006+/-0.029 χ^2/NDF:29.9/17

Out: 0.008+/-0.030 χ^2/NDF:26.7/19

All: 0.007+/-0.021 χ^2/NDF: 56.7/37



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

Left Out: 115.340+/-0.065 χ^2/NDF:649.5/1

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

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

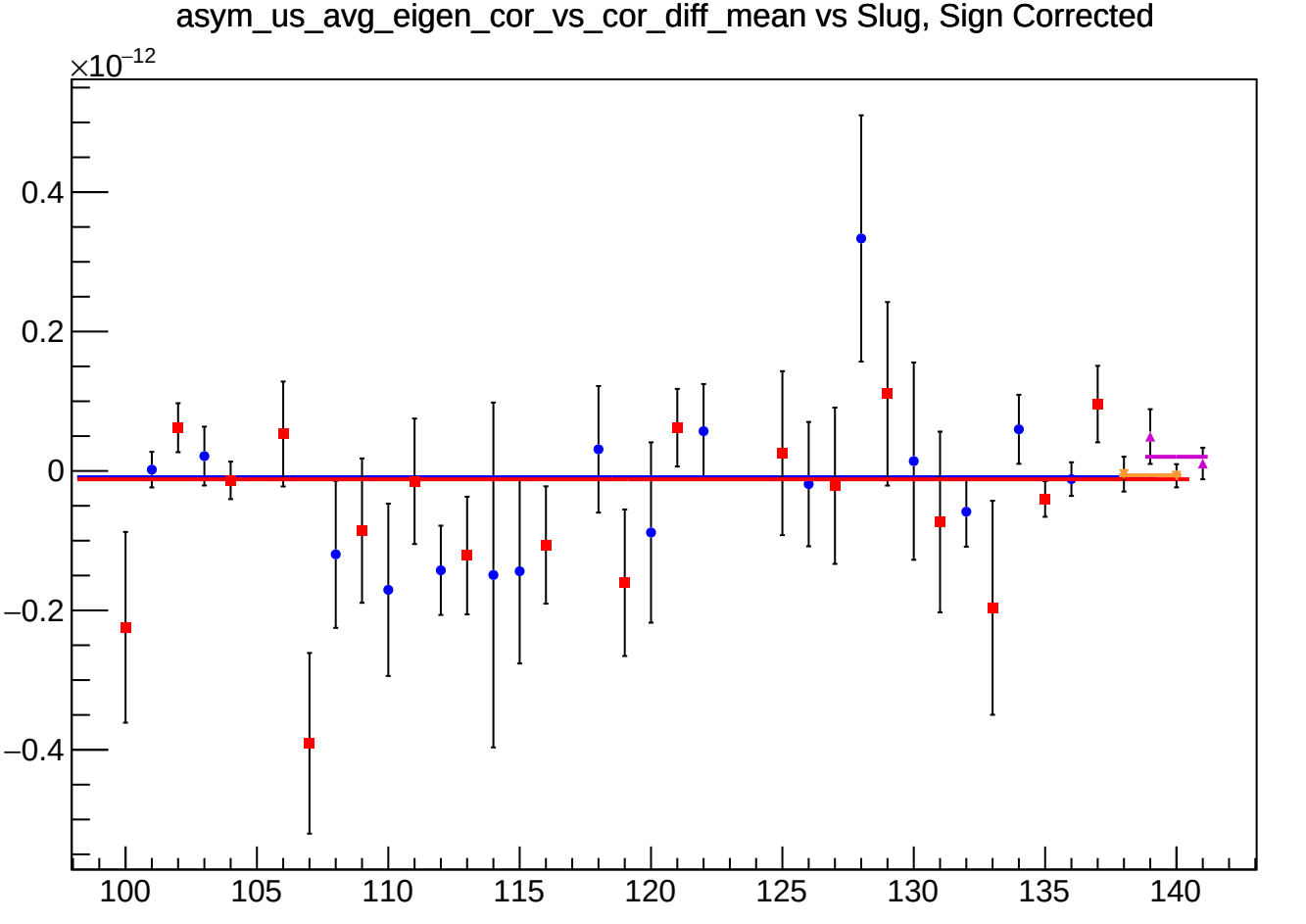
Left: 102.186+/-0.041 χ^2/NDF: 75628.8/3

Right: 82.179+/-0.016 χ^2/NDF: 1035971.3/33

In: 83.608+/-0.021 χ^2/NDF:619409.0/17

Out: 86.130+/-0.021 χ^2/NDF:695978.4/19

All: 84.825+/-0.015 χ^2/NDF: 1322690.4/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/1

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

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

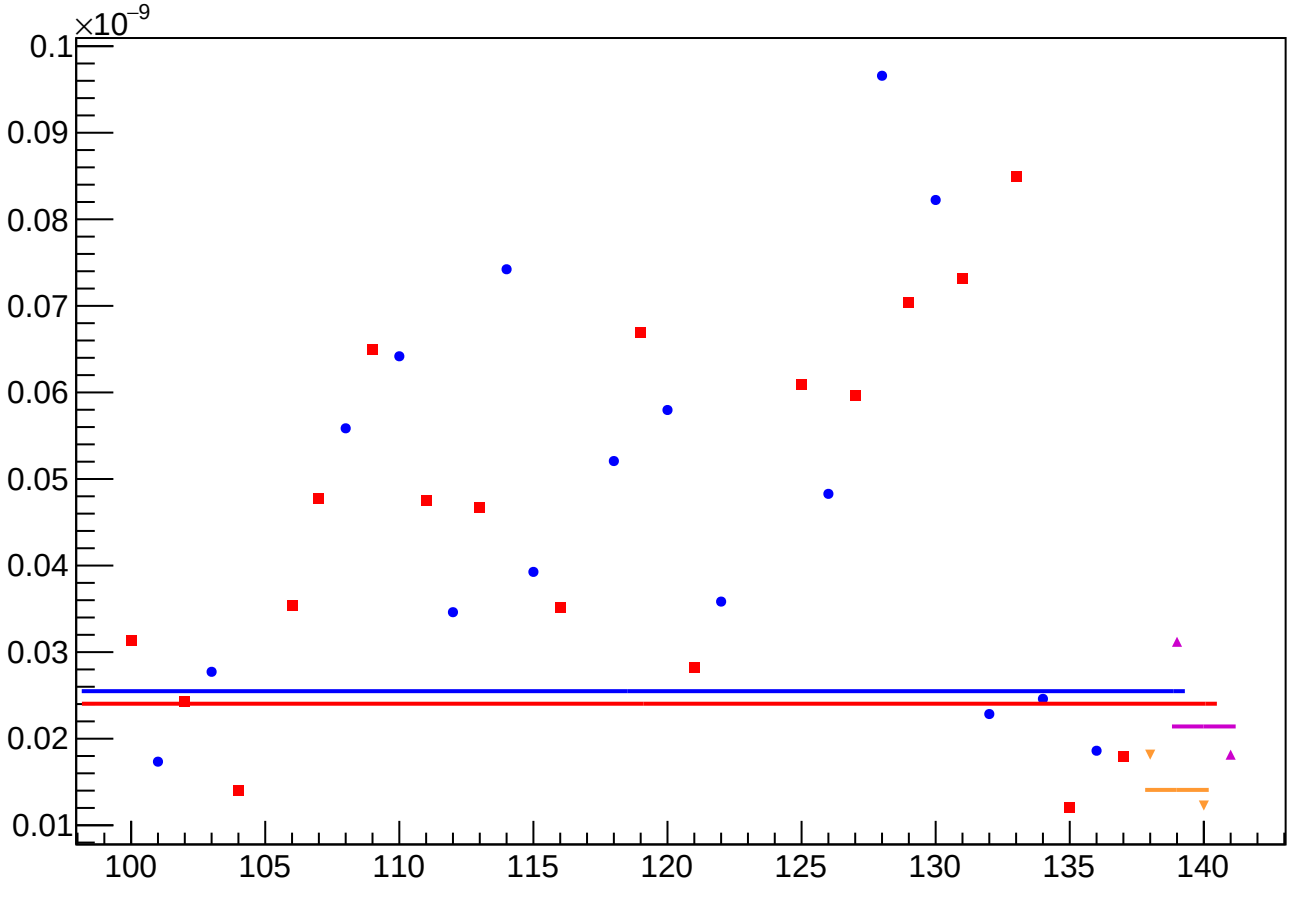
Left: 0.000+/-0.000 χ^2/NDF: 2.0/3

Right: -0.000+/-0.000 χ^2/NDF: 48.5/33

In: 0.000+/-0.000 χ^2/NDF:19.7/17

Out: -0.000+/-0.000 χ^2/NDF:31.2/19

All: -0.000+/-0.000 χ^2/NDF: 51.3/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:76639.9/1

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

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

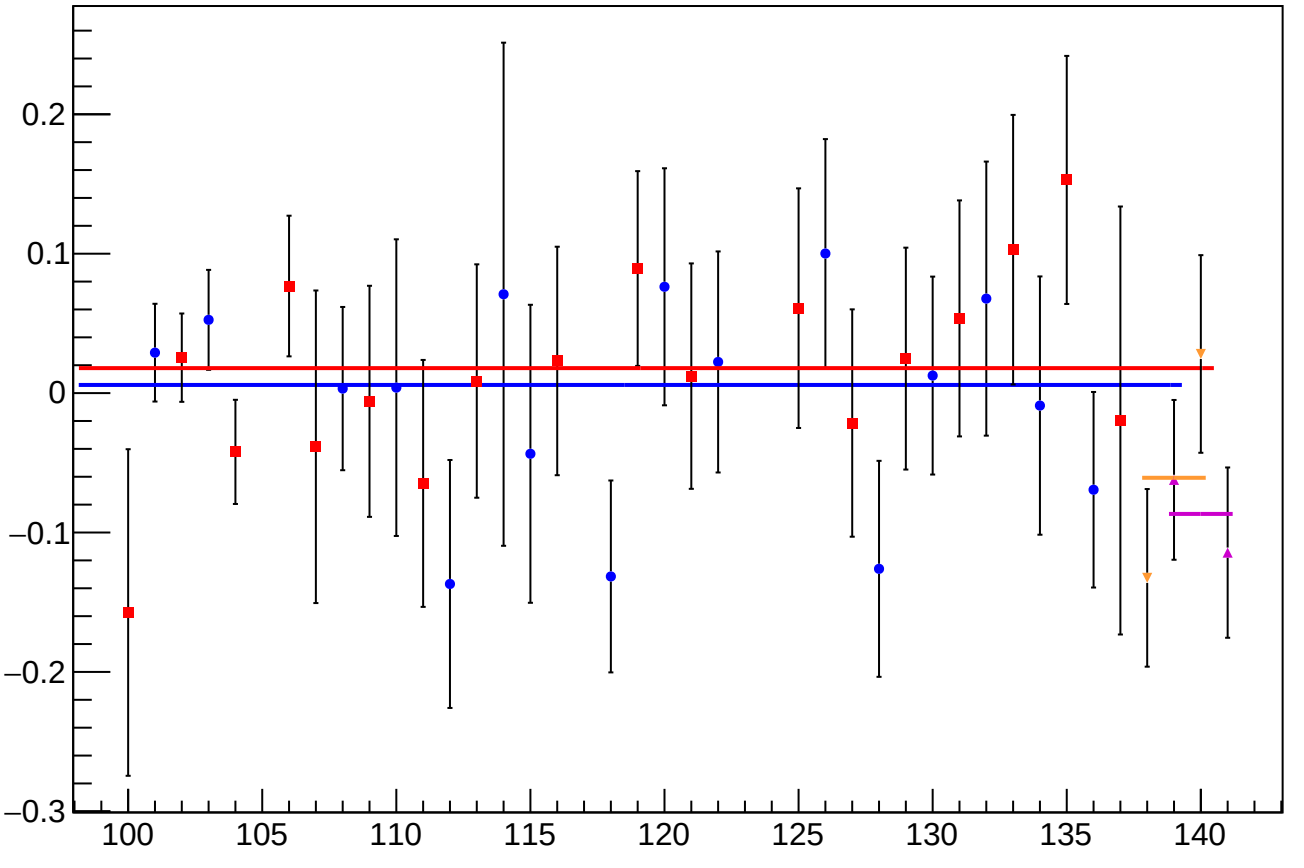
Left: 0.000+/-0.000 χ^2/NDF: 428340.2/3

Right: 0.000+/-0.000 χ^2/NDF: 5096304.5/33

In: 0.000+/-0.000 χ^2/NDF:2224707.5/17

Out: 0.000+/-0.000 χ^2/NDF:3695067.7/19

All: 0.000+/-0.000 χ^2/NDF: 6153015.6/37



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

Left Out: -0.061+/-0.047 χ^2/NDF:2.8/1

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

Left In: -0.087+/-0.042 χ^2/NDF:0.4/1

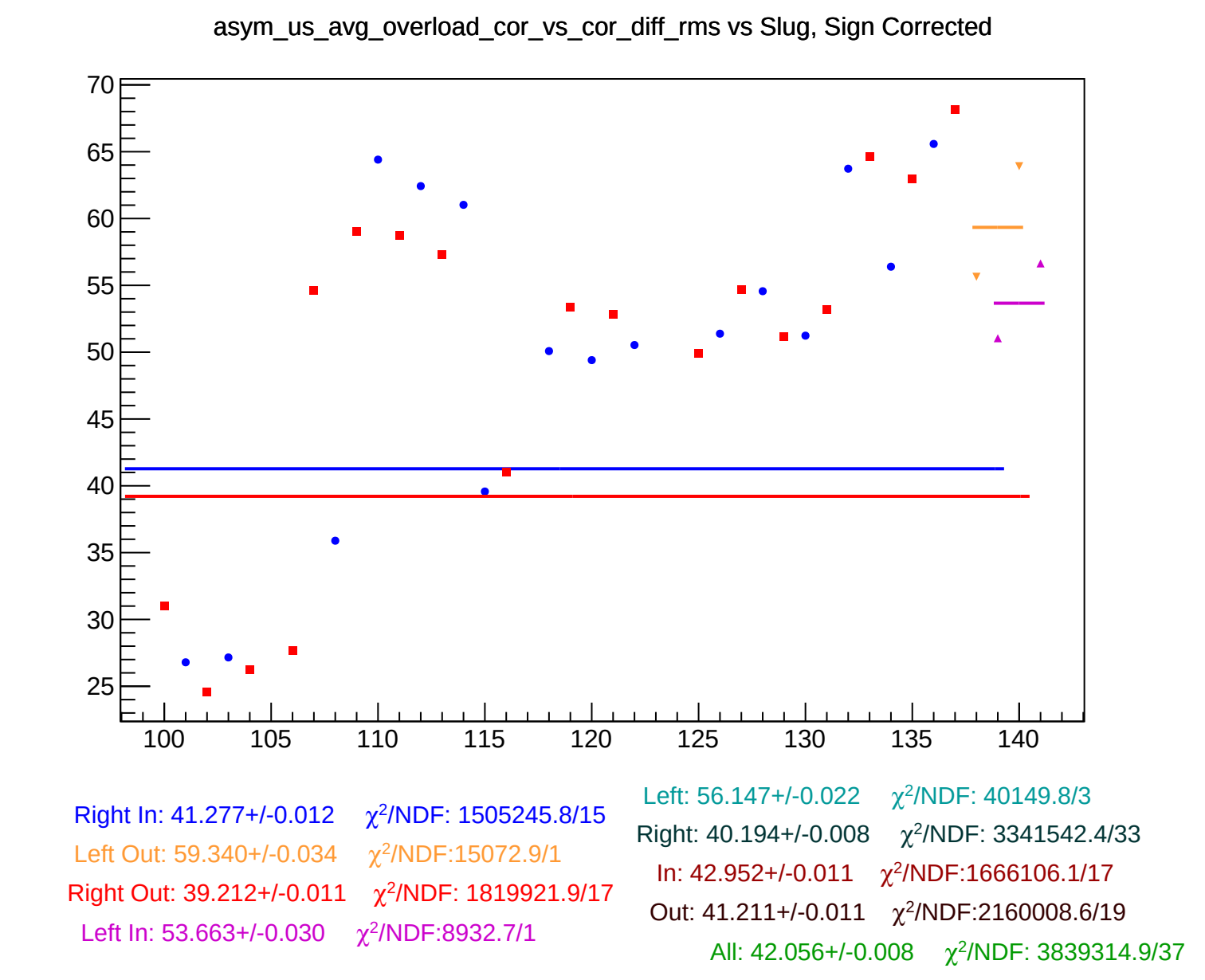
Left: -0.075+/-0.031 χ^2/NDF: 3.4/3

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

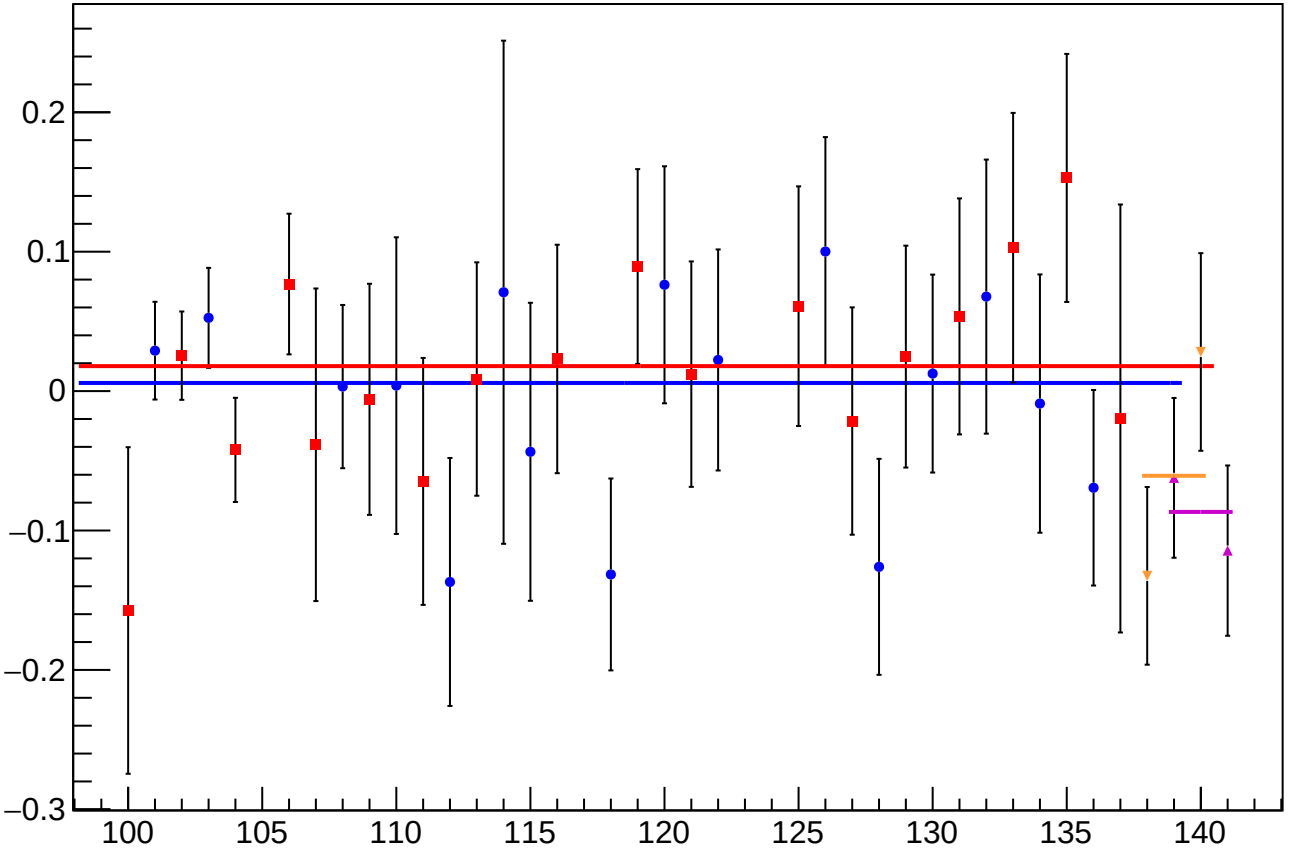
In: -0.007+/-0.015 χ^2/NDF:20.2/17

Out: 0.010+/-0.015 χ^2/NDF:17.6/19

All: 0.002+/-0.011 χ^2/NDF: 38.5/37


asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
70
65
60
55
50
45
40
35
30
25
100
105
110
115
120
125
130
135
140
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 59.340+/-0.034 χ²/NDF:15072.9/1
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 53.663+/-0.030 χ²/NDF:8932.7/1
Left: 56.147+/-0.022 χ²/NDF: 40149.8/3
Right: 40.194+/-0.008 χ²/NDF: 3341542.4/33
In: 42.952+/-0.011 χ²/NDF:1666106.1/17
Out: 41.211+/-0.011 χ²/NDF:2160008.6/19
All: 42.056+/-0.008 χ²/NDF: 3839314.9/37

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.061+/-0.047 χ^2/NDF:2.8/1

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

Left In: -0.087+/-0.042 χ^2/NDF:0.4/1

Left: -0.075+/-0.031 χ^2/NDF: 3.4/3

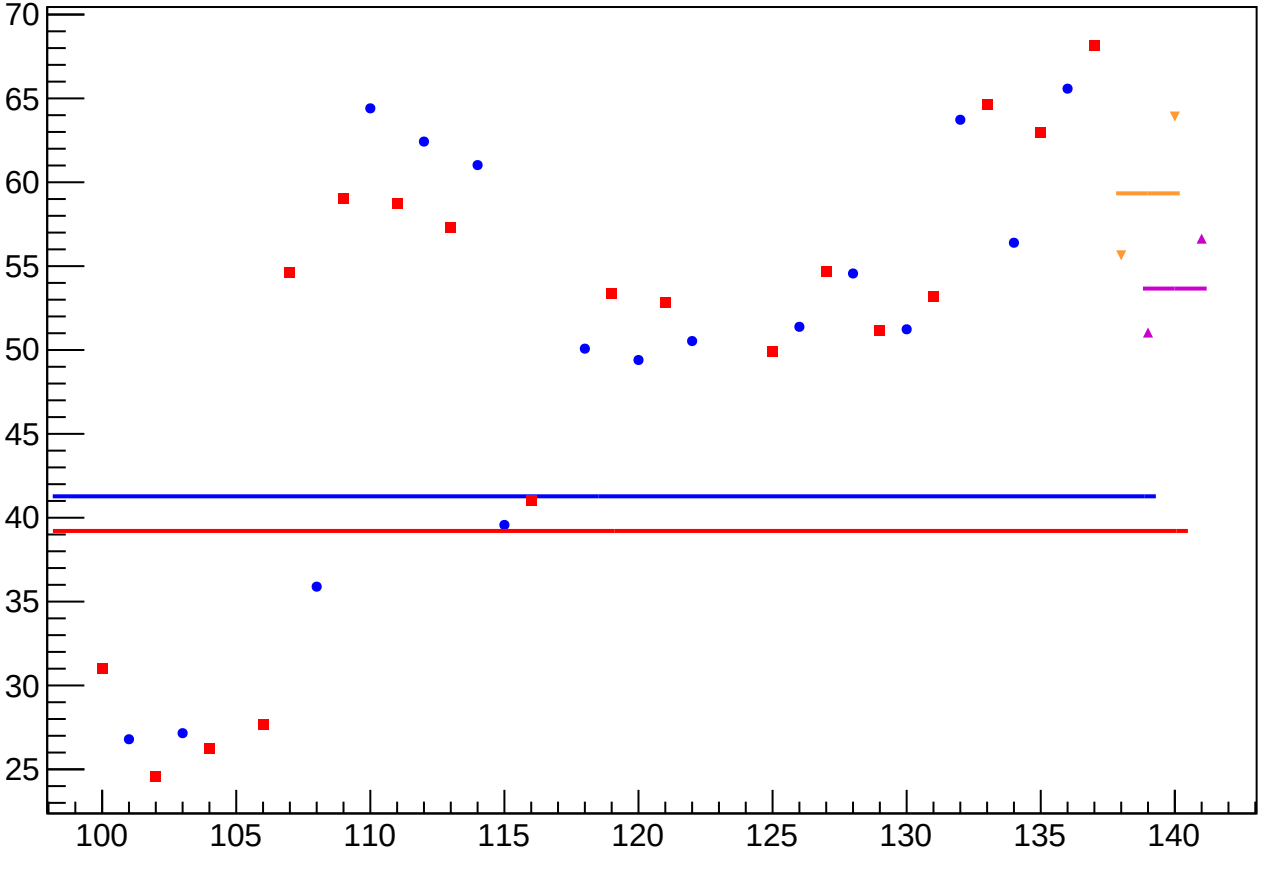
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.007+/-0.015 χ^2/NDF:20.2/17

Out: 0.010+/-0.015 χ^2/NDF:17.6/19

All: 0.002+/-0.011 χ^2/NDF: 38.5/37

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 59.340+/-0.034 χ^2/NDF:15072.9/1

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

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

Left: 56.147+/-0.022 χ^2/NDF: 40149.8/3

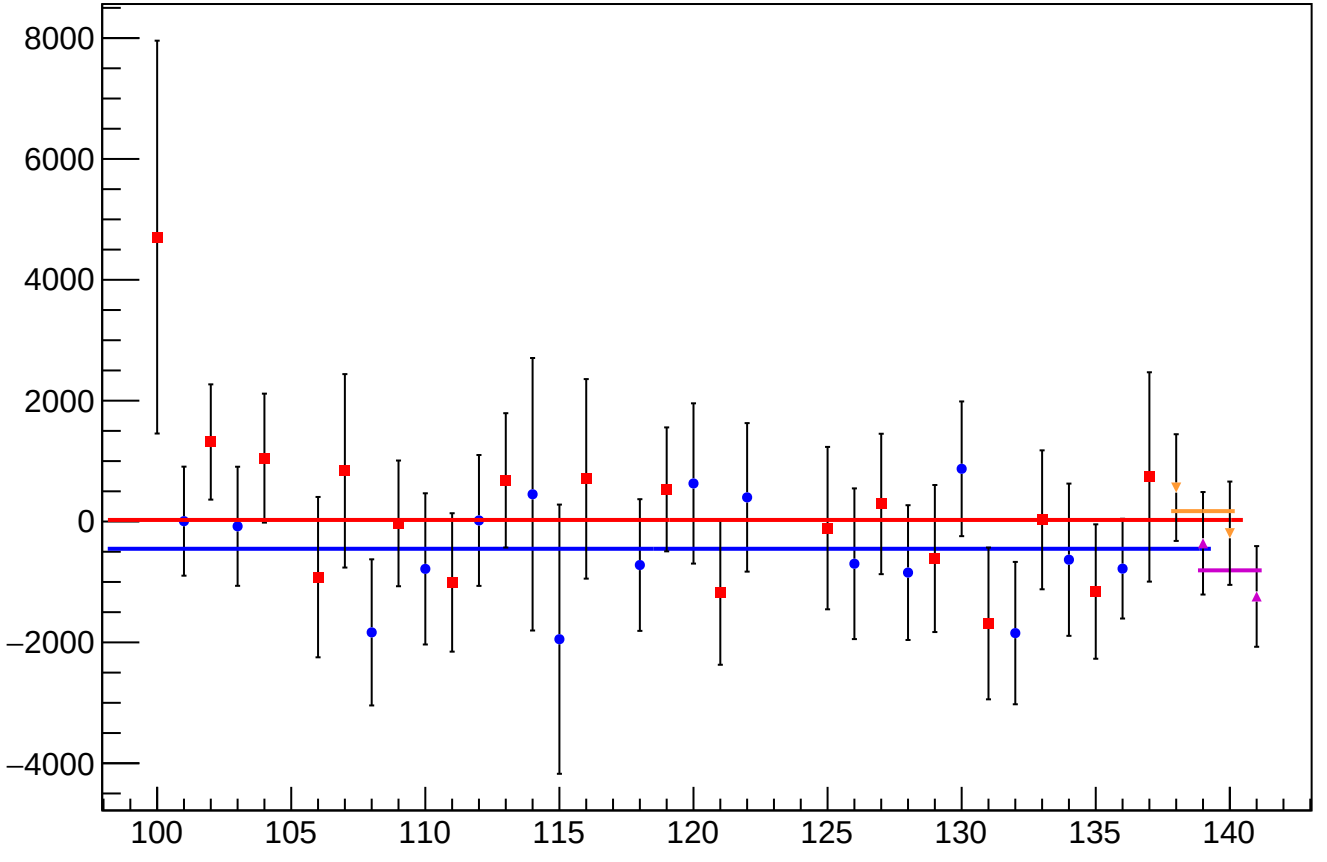
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 42.952+/-0.011 χ^2/NDF:1666106.1/17

Out: 41.211+/-0.011 χ^2/NDF:2160008.6/19

All: 42.056+/-0.008 χ^2/NDF: 3839314.9/37

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 172.015+/-614.045 χ^2/NDF:0.4/1

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

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

Left: -333.917+/-427.047 χ^2/NDF: 2.2/3

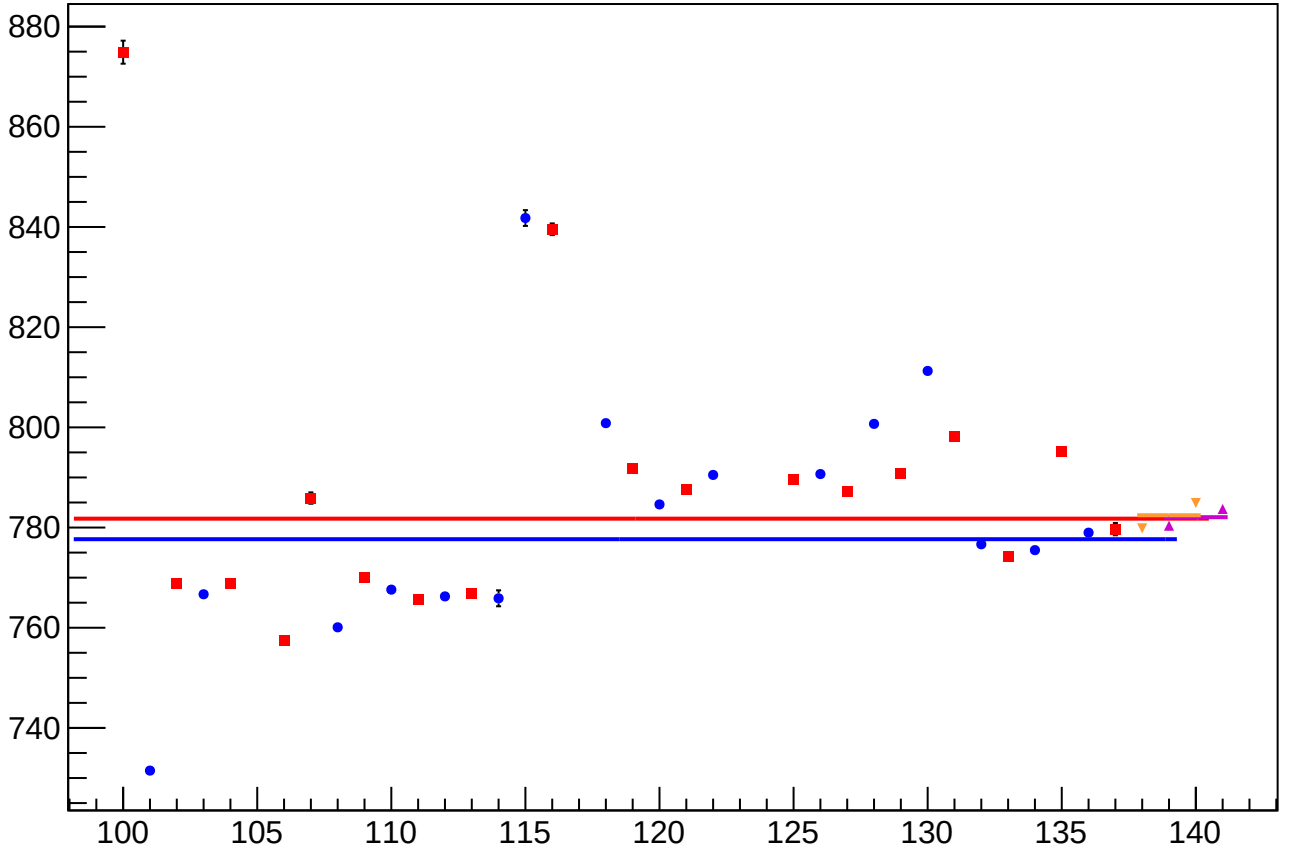
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -519.188+/-259.864 χ^2/NDF:7.8/17

Out: 52.422+/-260.804 χ^2/NDF:12.1/19

All: -234.415+/-184.083 χ^2/NDF: 22.3/37

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 782.453+/-0.434 χ^2/NDF:33.9/1

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

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

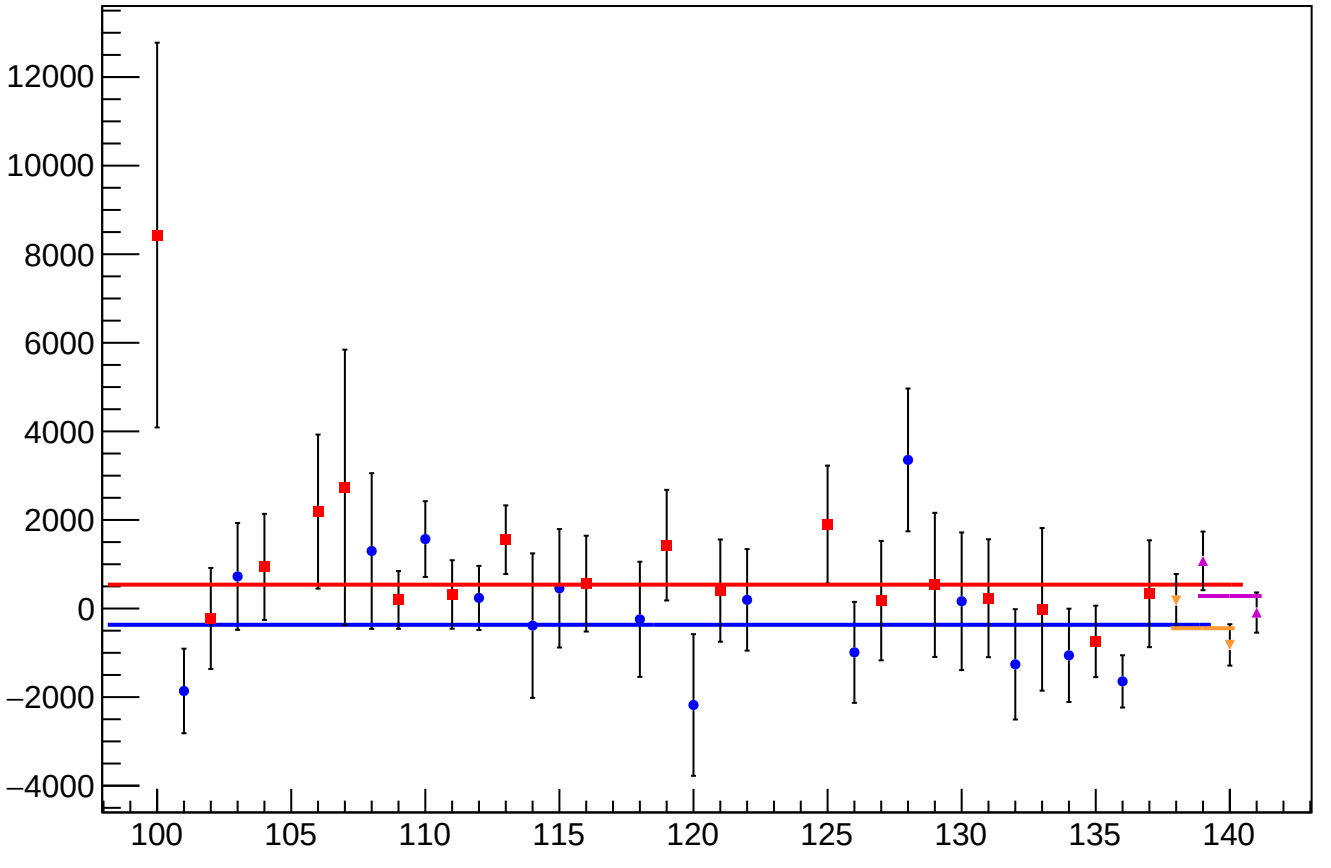
Left: 782.255+/-0.302 χ^2/NDF: 50.1/3

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 778.515+/-0.184 χ^2/NDF:12159.7/17

Out: 781.899+/-0.184 χ^2/NDF:7662.2/19

All: 780.201+/-0.130 χ^2/NDF: 19990.8/37



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

Left Out: -444.549+/-368.833 χ^2/NDF:1.7/1

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

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

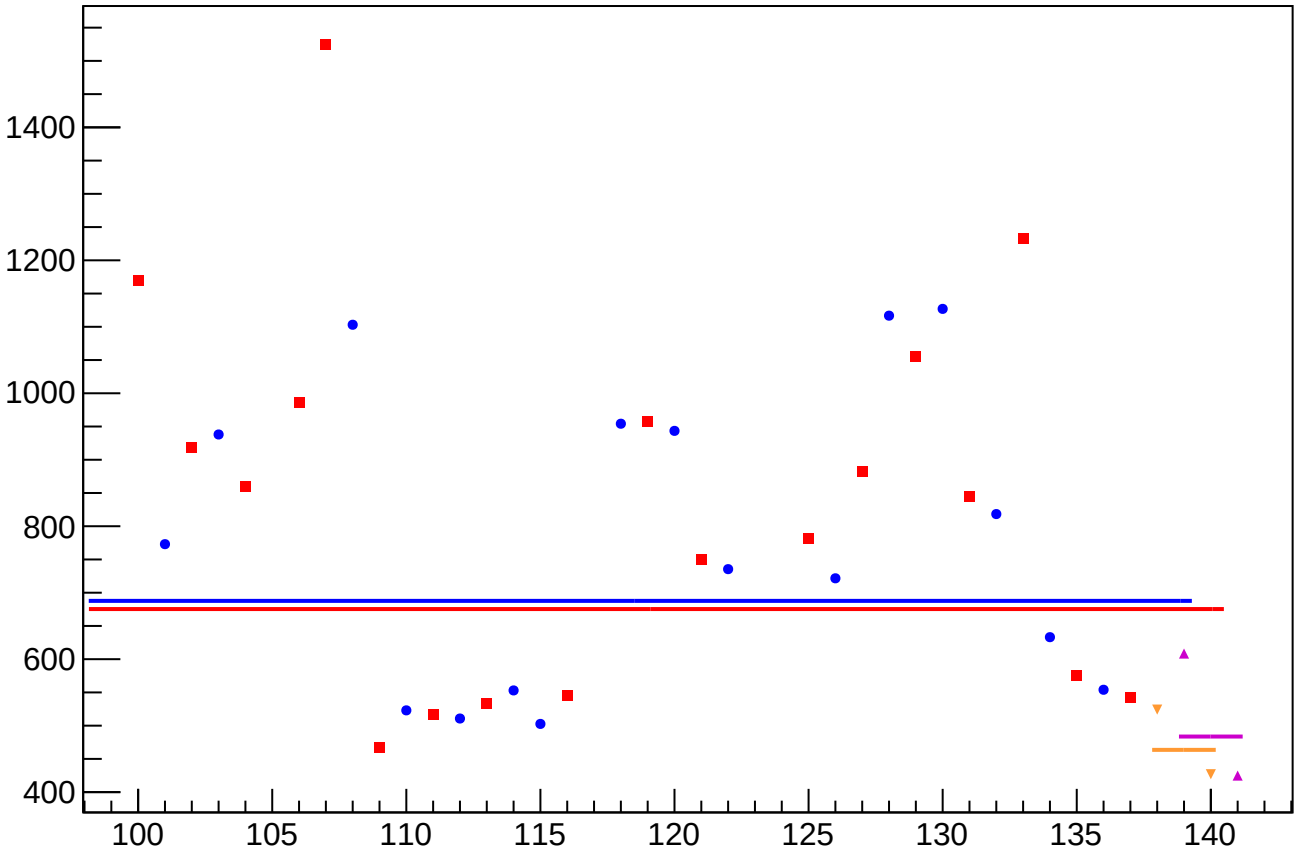
Left: -86.319+/-262.712 χ^2/NDF: 5.8/3

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: -148.258+/-217.200 χ^2/NDF:27.4/17

Out: 207.556+/-214.086 χ^2/NDF:18.1/19

All: 32.218+/-152.471 χ^2/NDF: 46.9/37



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

Left Out: 463.596+/-0.261 χ^2/NDF:32639.0/1

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

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

Left: 473.466+/-0.186 χ^2/NDF: 140217.9/3

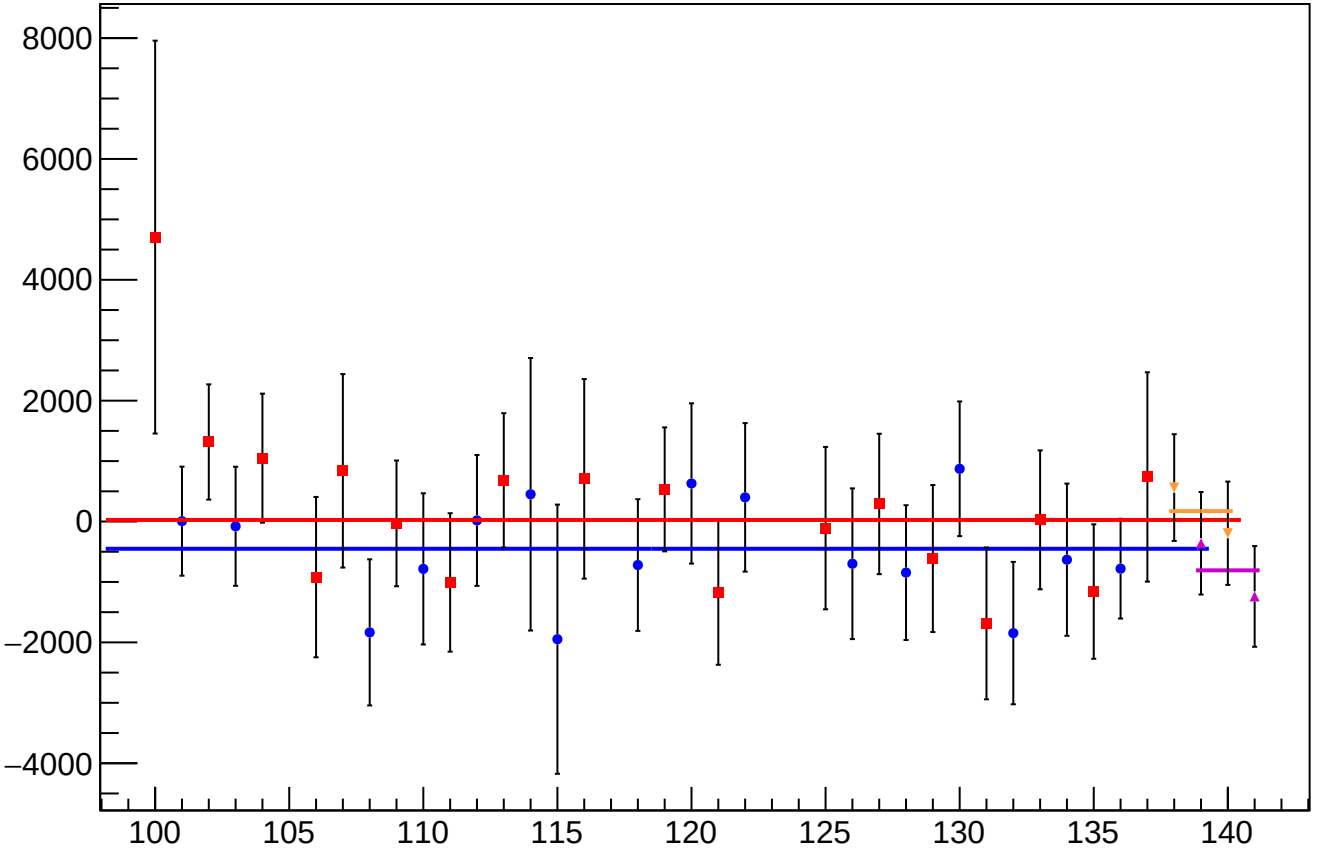
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 618.991+/-0.154 χ^2/NDF:1530964.2/17

Out: 604.047+/-0.151 χ^2/NDF:1783015.7/19

All: 611.411+/-0.108 χ^2/NDF: 3318782.2/37

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 172.015+/-614.045 χ^2/NDF:0.4/1

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

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

Left: -333.917+/-427.047 χ^2/NDF: 2.2/3

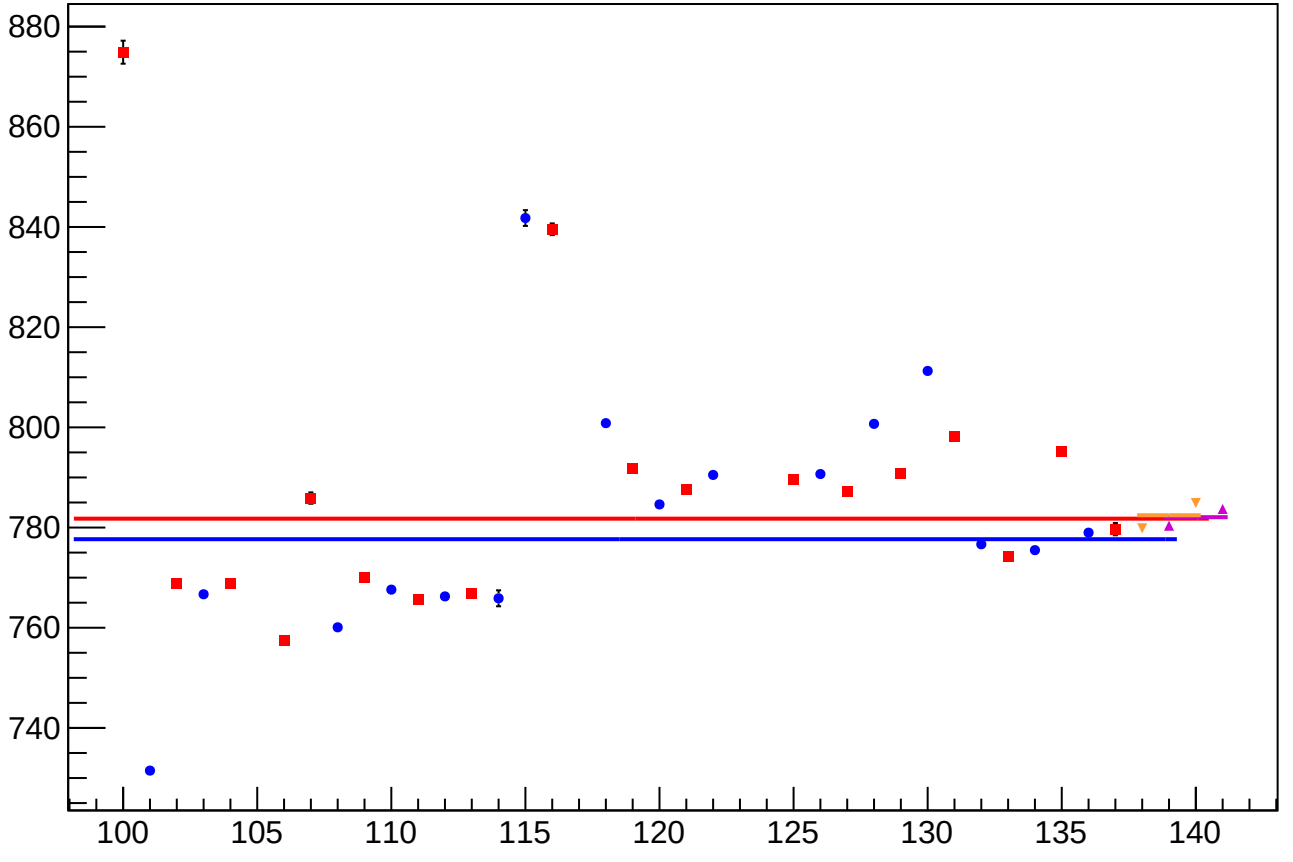
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -519.188+/-259.864 χ^2/NDF:7.8/17

Out: 52.422+/-260.804 χ^2/NDF:12.1/19

All: -234.415+/-184.083 χ^2/NDF: 22.3/37

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 782.453+/-0.434 χ^2/NDF:33.9/1

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

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

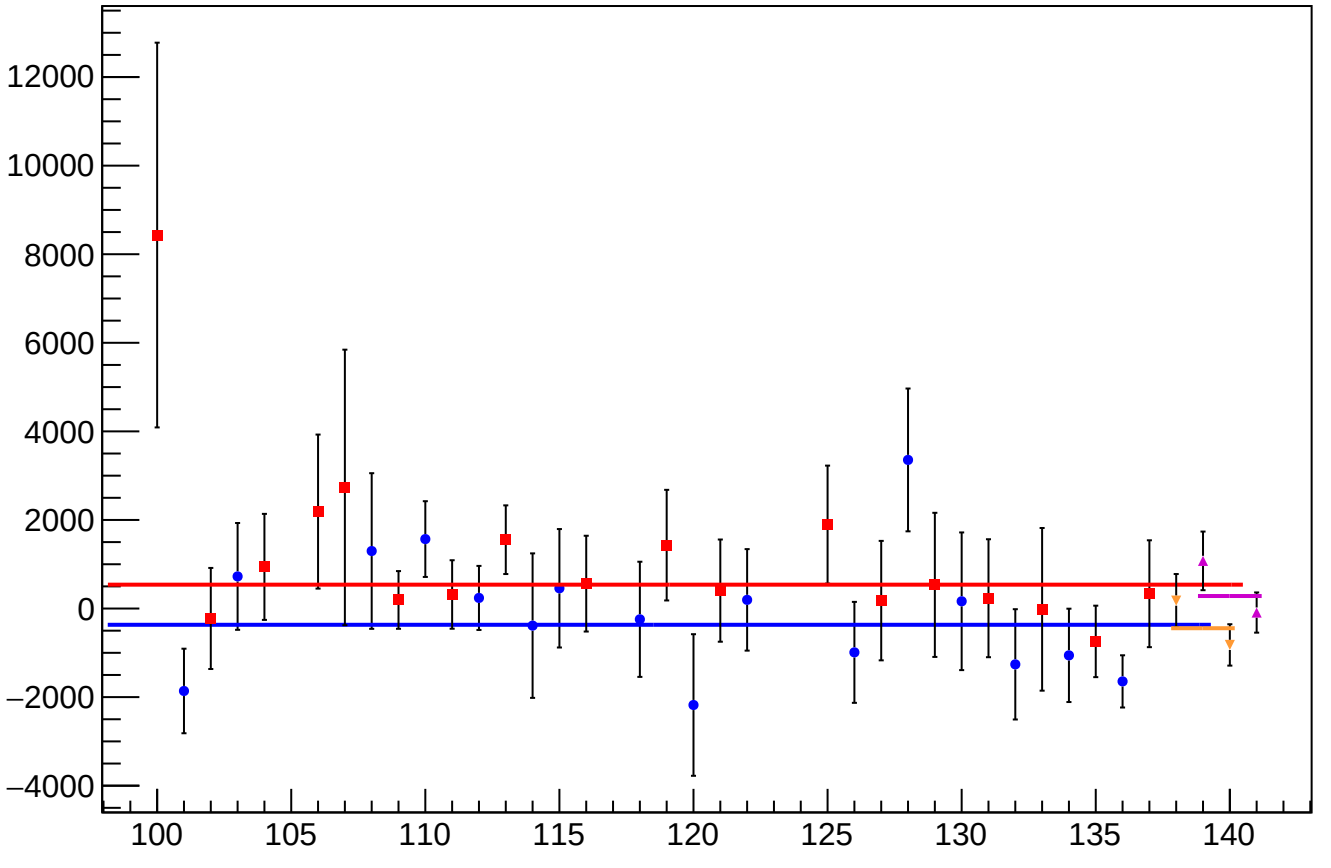
Left: 782.255+/-0.302 χ^2/NDF: 50.1/3

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 778.515+/-0.184 χ^2/NDF:12159.7/17

Out: 781.899+/-0.184 χ^2/NDF:7662.2/19

All: 780.201+/-0.130 χ^2/NDF: 19990.8/37



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

Left Out: -444.549+/-368.833 χ^2/NDF:1.7/1

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

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

Left: -86.319+/-262.712 χ^2/NDF: 5.8/3

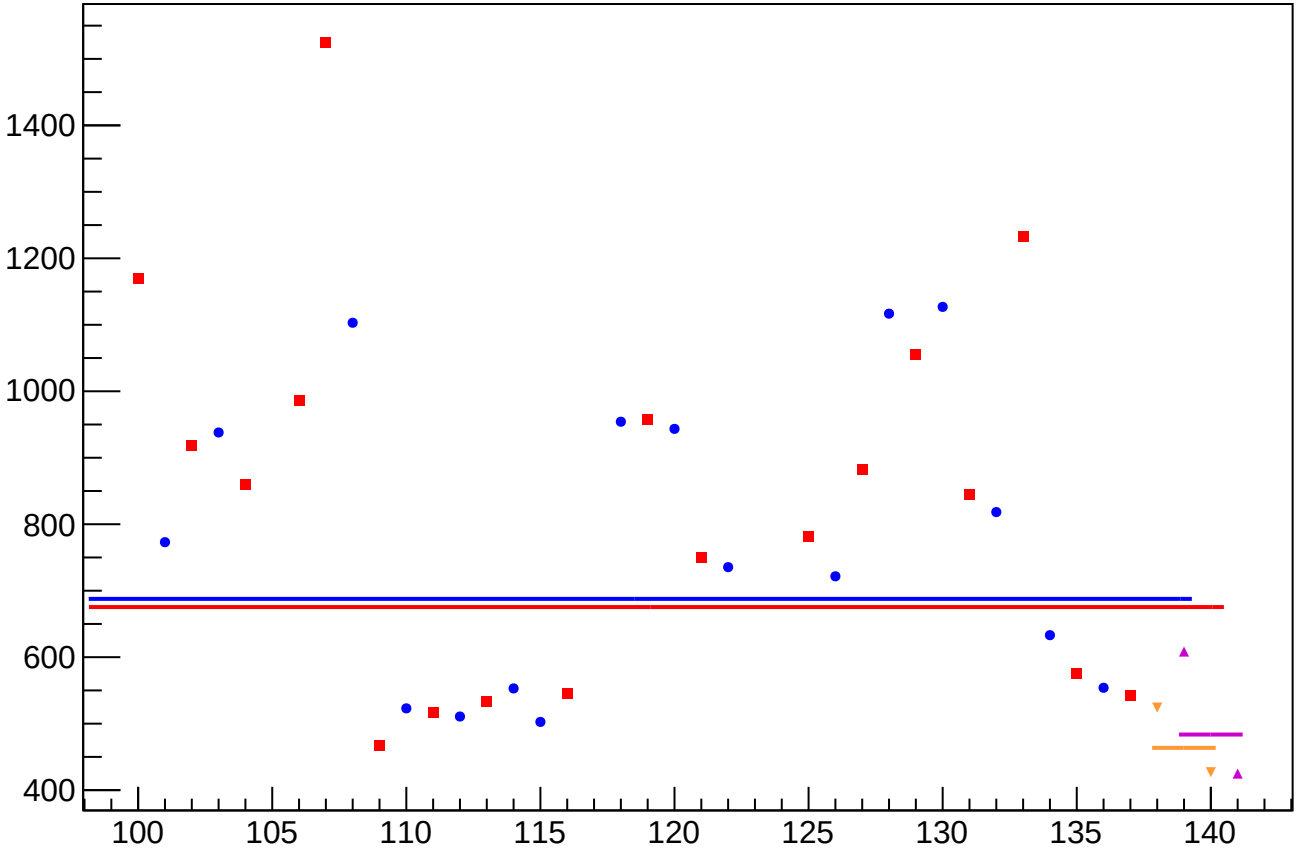
Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: -148.258+/-217.200 χ^2/NDF:27.4/17

Out: 207.556+/-214.086 χ^2/NDF:18.1/19

All: 32.218+/-152.471 χ^2/NDF: 46.9/37

asym_us_dd_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 463.596+/-0.261 χ^2/NDF:32639.0/1

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

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

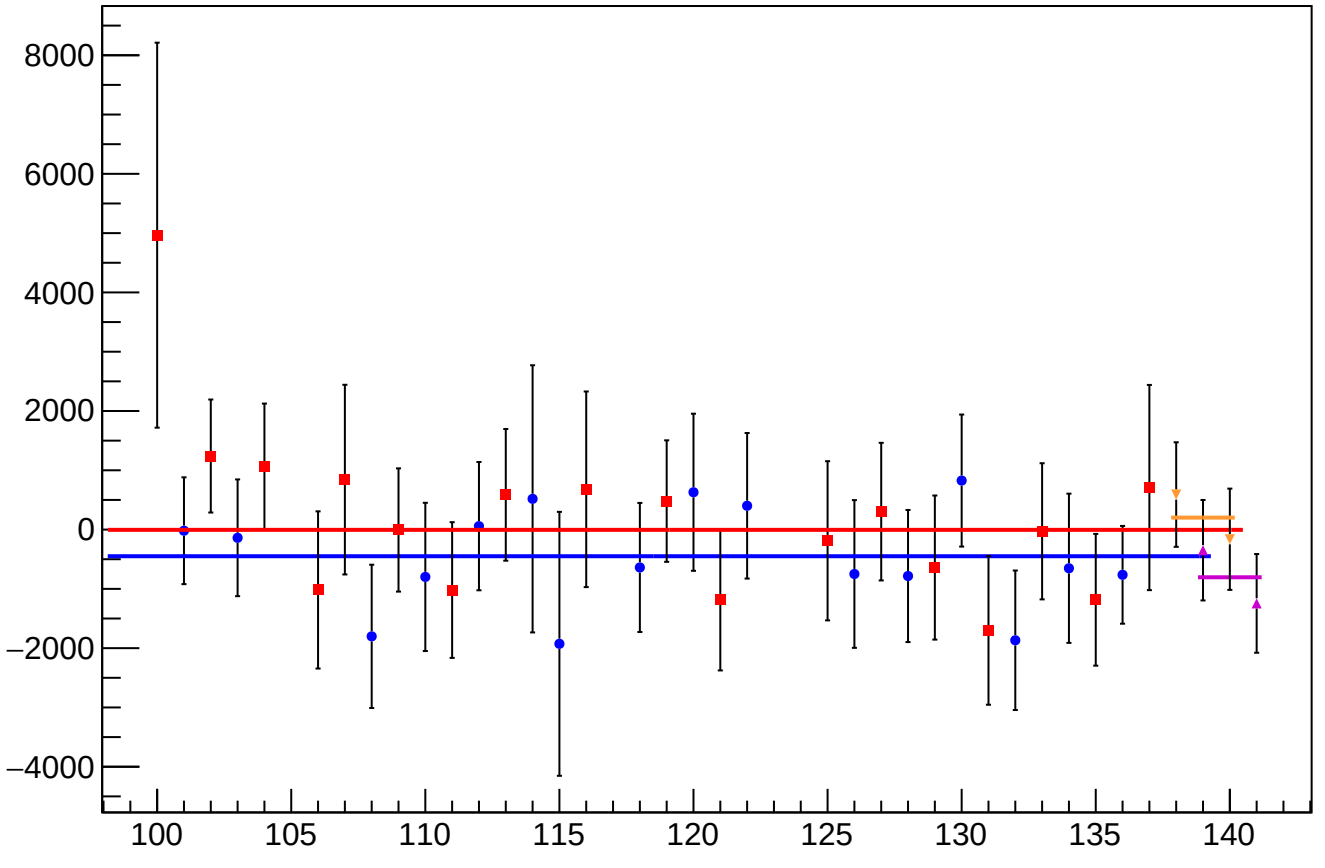
Left: 473.466+/-0.186 χ^2/NDF: 140217.9/3

Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 618.991+/-0.154 χ^2/NDF:1530964.2/17

Out: 604.047+/-0.151 χ^2/NDF:1783015.7/19

All: 611.411+/-0.108 χ^2/NDF: 3318782.2/37



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

Left Out: 201.787+/-613.342 χ^2/NDF:0.4/1

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

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

Left: -317.639+/-426.626 χ^2/NDF: 2.3/3

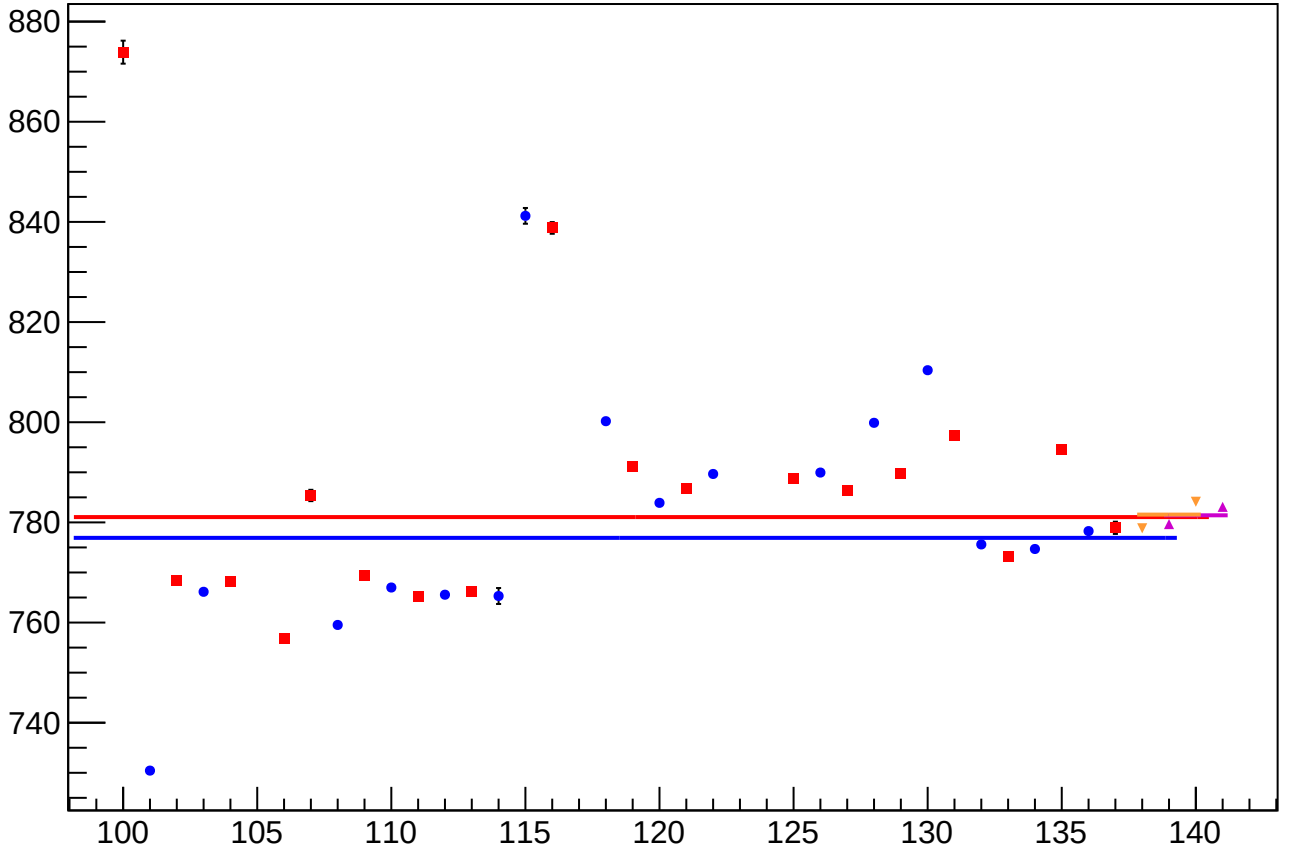
Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

In: -517.303+/-259.617 χ^2/NDF:7.6/17

Out: 32.608+/-260.554 χ^2/NDF:12.3/19

All: -243.338+/-183.907 χ^2/NDF: 22.2/37

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 781.556+/-0.434 χ^2/NDF:37.3/1

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

Left In: 781.416+/-0.420 χ^2/NDF:16.8/1

Left: 781.484+/-0.302 χ^2/NDF: 54.1/3

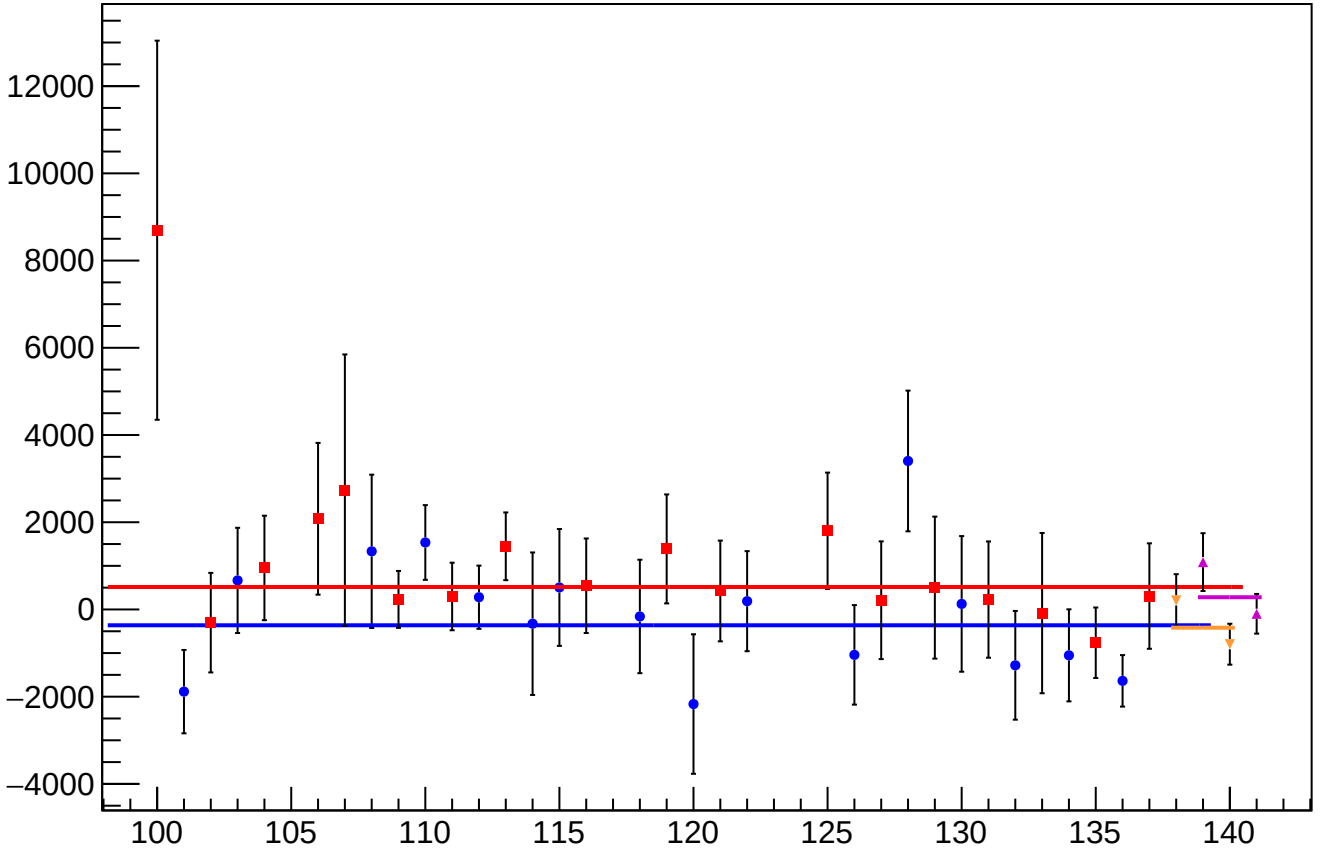
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.774+/-0.184 χ^2/NDF:12233.4/17

Out: 781.150+/-0.184 χ^2/NDF:7624.1/19

All: 779.456+/-0.130 χ^2/NDF: 20026.1/37

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -418.366+/-370.038 χ^2/NDF:1.7/1

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

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

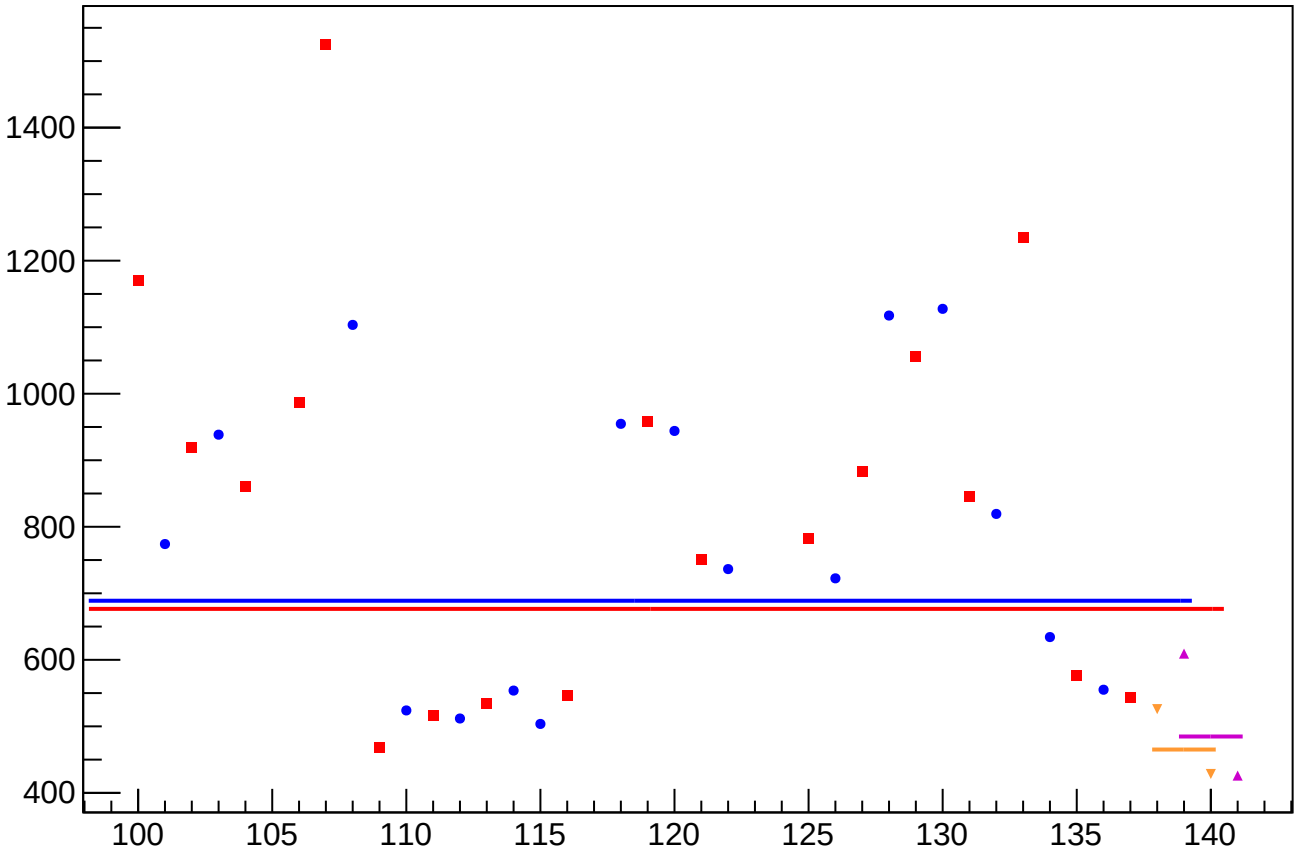
Left: -73.675+/-263.434 χ^2/NDF: 5.7/3

Right: 82.506+/-187.506 χ^2/NDF: 40.2/33

In: -146.381+/-217.571 χ^2/NDF:27.5/17

Out: 201.468+/-214.534 χ^2/NDF:17.3/19

All: 29.988+/-152.761 χ^2/NDF: 46.1/37



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

Left Out: 465.162+/-0.262 χ^2/NDF:32594.2/1

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

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

Left: 474.824+/-0.186 χ^2/NDF: 139409.3/3

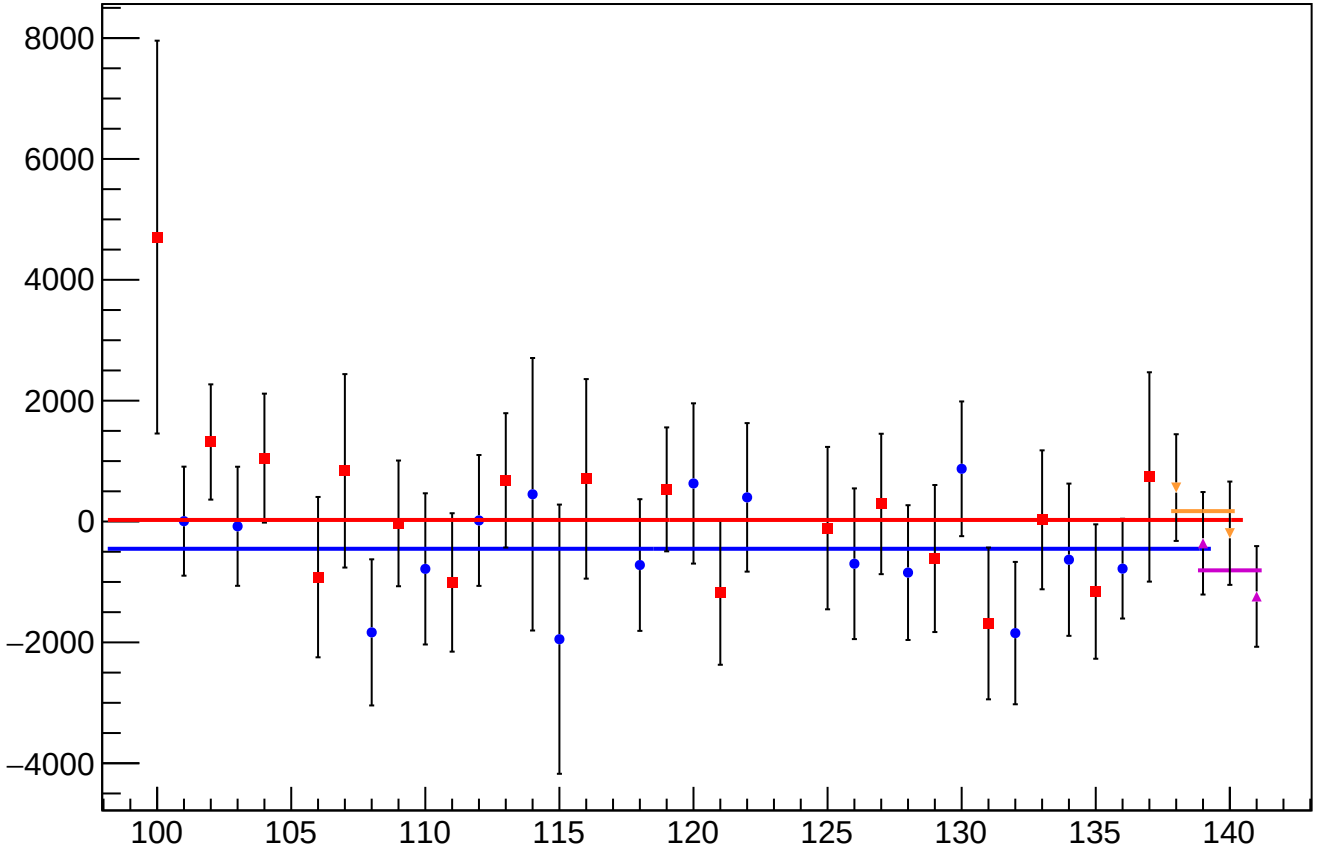
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 620.176+/-0.154 χ^2/NDF:1524974.8/17

Out: 605.512+/-0.152 χ^2/NDF:1774016.7/19

All: 612.741+/-0.108 χ^2/NDF: 3303598.1/37

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 172.015+/-614.045 χ^2/NDF:0.4/1

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

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

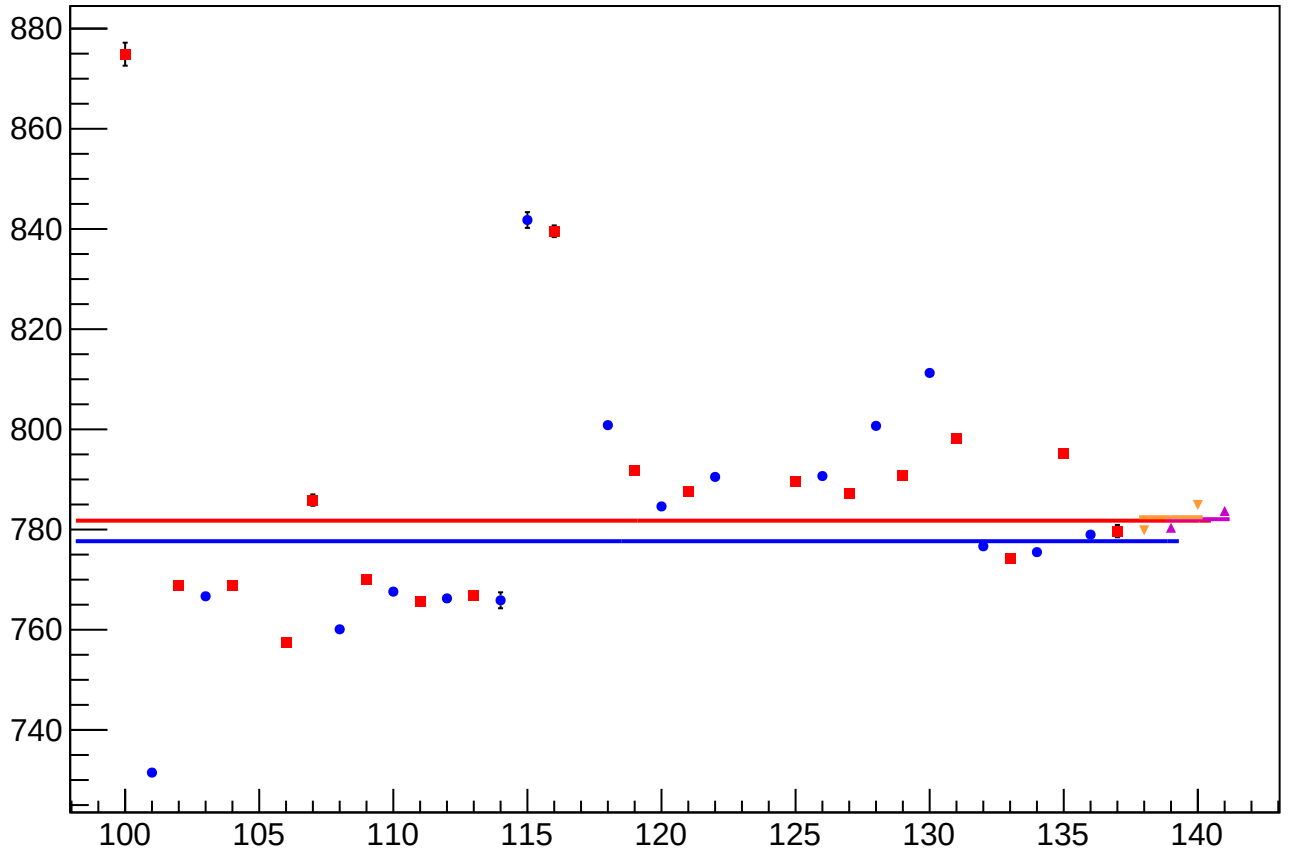
Left: -333.917+/-427.047 χ^2/NDF: 2.2/3

Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -519.188+/-259.864 χ^2/NDF:7.8/17

Out: 52.422+/-260.804 χ^2/NDF:12.1/19

All: -234.415+/-184.083 χ^2/NDF: 22.3/37



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

Left Out: 782.453+/-0.434 χ^2/NDF:33.9/1

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

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

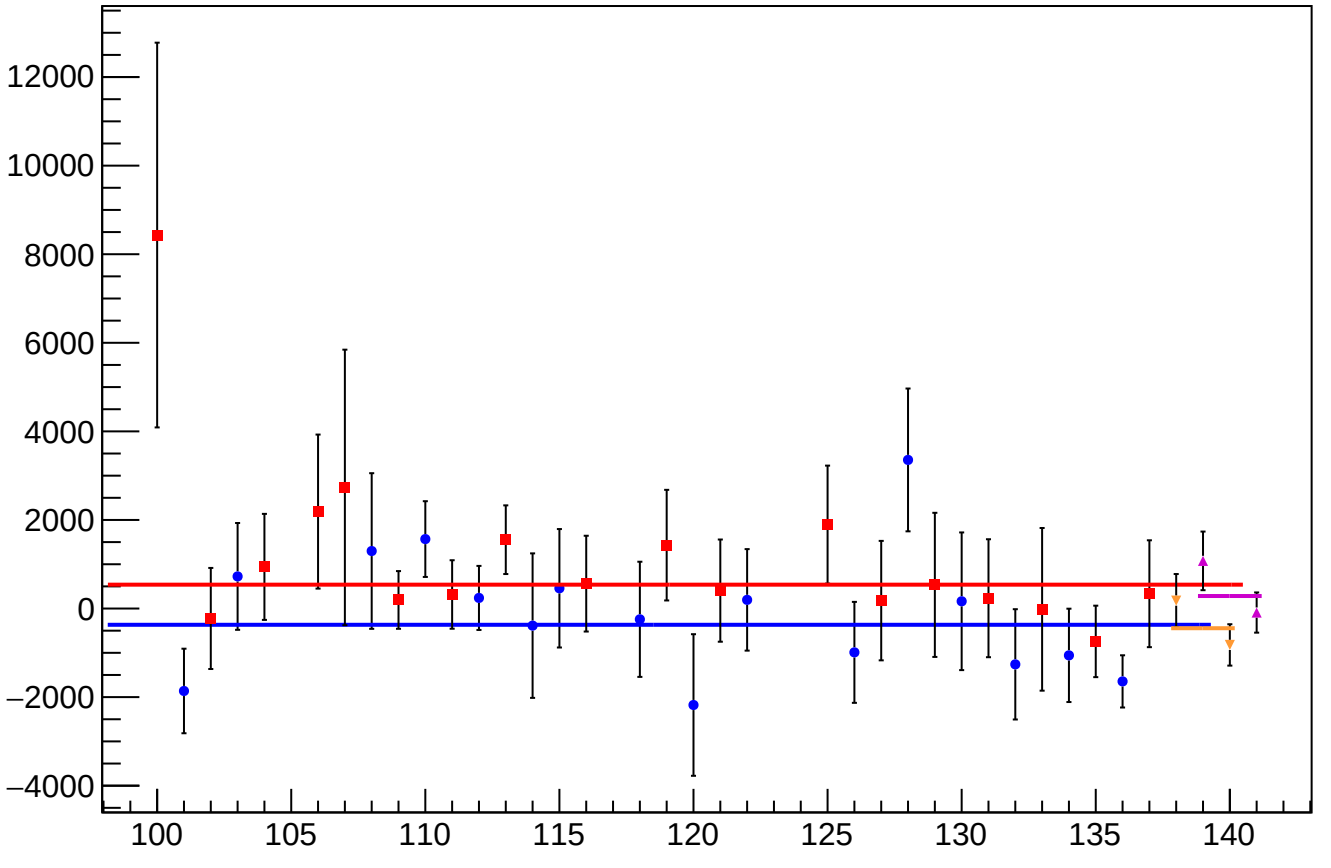
Left: 782.255+/-0.302 χ^2/NDF: 50.1/3

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 778.515+/-0.184 χ^2/NDF:12159.7/17

Out: 781.899+/-0.184 χ^2/NDF:7662.2/19

All: 780.201+/-0.130 χ^2/NDF: 19990.8/37



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

Left Out: -444.549+/-368.833 χ^2/NDF:1.7/1

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

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

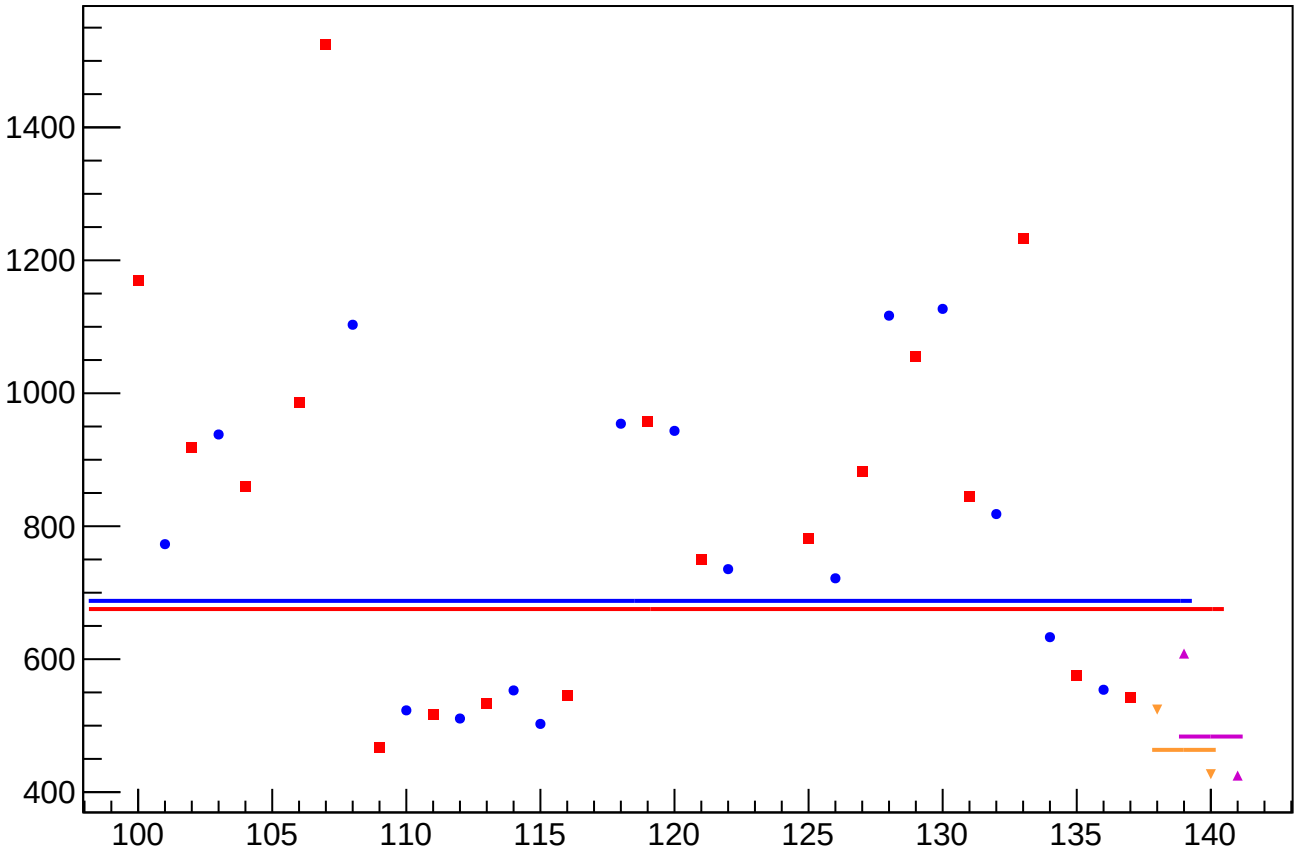
Left: -86.319+/-262.712 χ^2/NDF: 5.8/3

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: -148.258+/-217.200 χ^2/NDF:27.4/17

Out: 207.556+/-214.086 χ^2/NDF:18.1/19

All: 32.218+/-152.471 χ^2/NDF: 46.9/37



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

Left Out: 463.596+/-0.261 χ^2/NDF:32639.0/1

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

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

Left: 473.466+/-0.186 χ^2/NDF: 140217.9/3

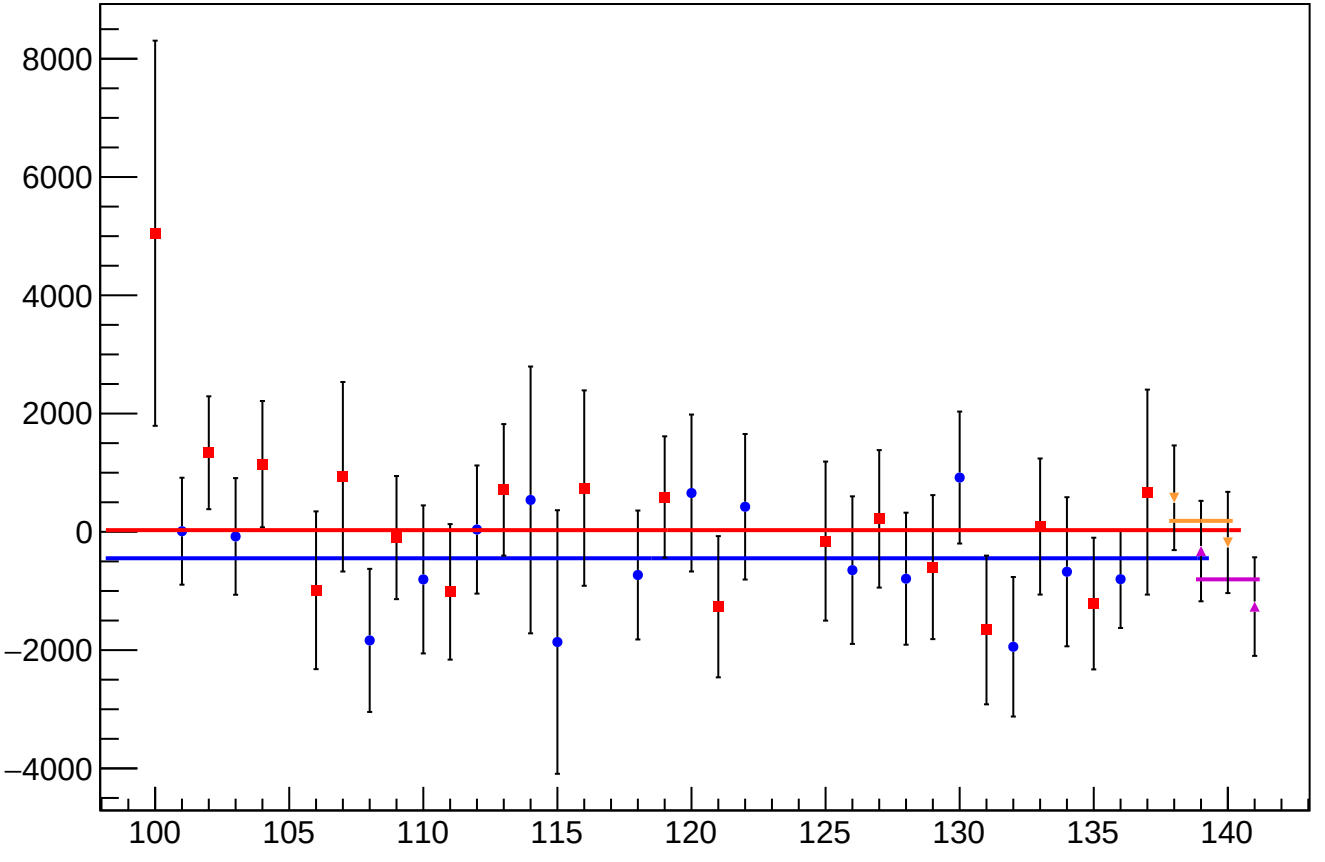
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 618.991+/-0.154 χ^2/NDF:1530964.2/17

Out: 604.047+/-0.151 χ^2/NDF:1783015.7/19

All: 611.411+/-0.108 χ^2/NDF: 3318782.2/37

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 185.792+/-615.234 χ^2/NDF:0.4/1

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

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

Left: -325.410+/-427.659 χ^2/NDF: 2.3/3

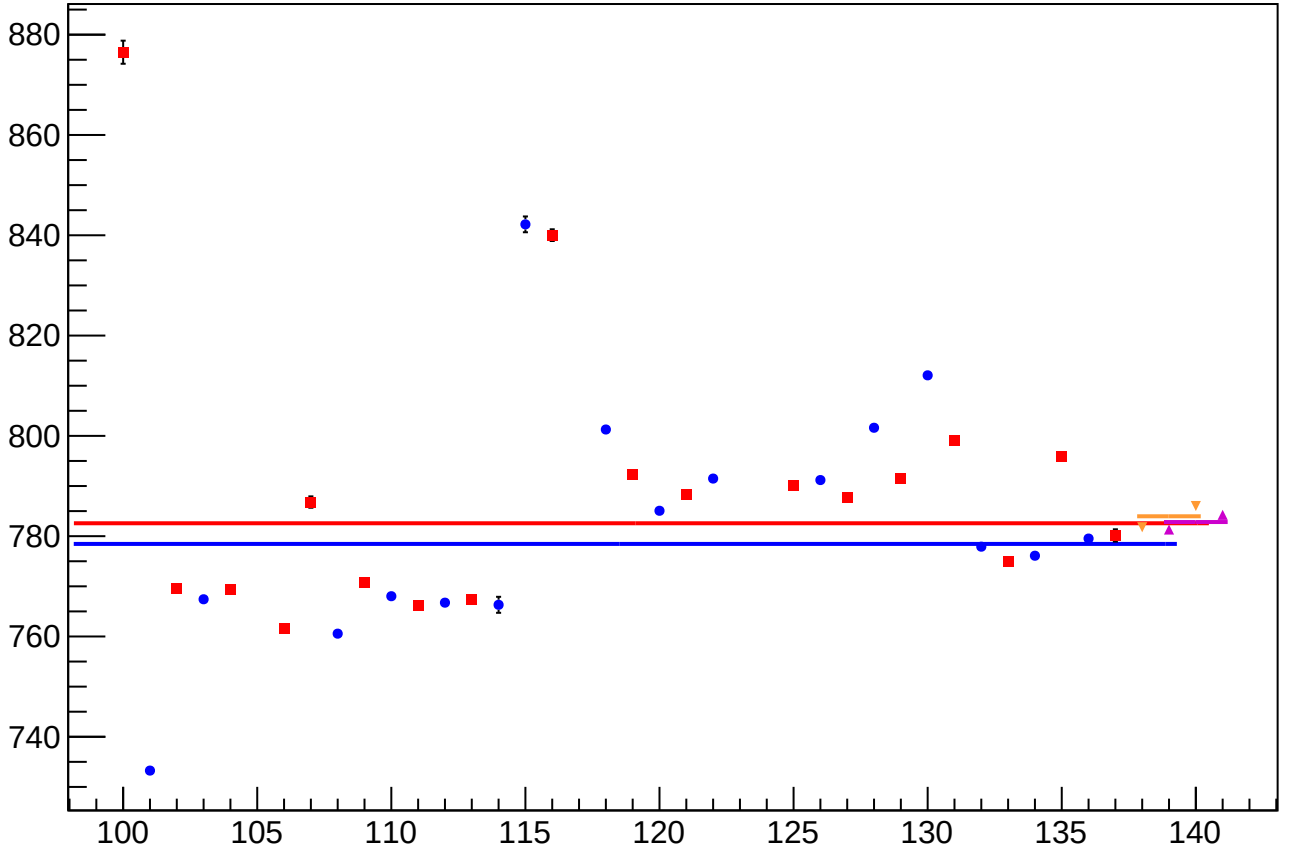
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -514.858+/-260.121 χ^2/NDF:8.2/17

Out: 57.068+/-261.112 χ^2/NDF:13.1/19

All: -229.982+/-184.283 χ^2/NDF: 23.7/37

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 783.967+/-0.435 χ^2/NDF:23.6/1

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

Left In: 782.821+/-0.421 χ^2/NDF:12.1/1

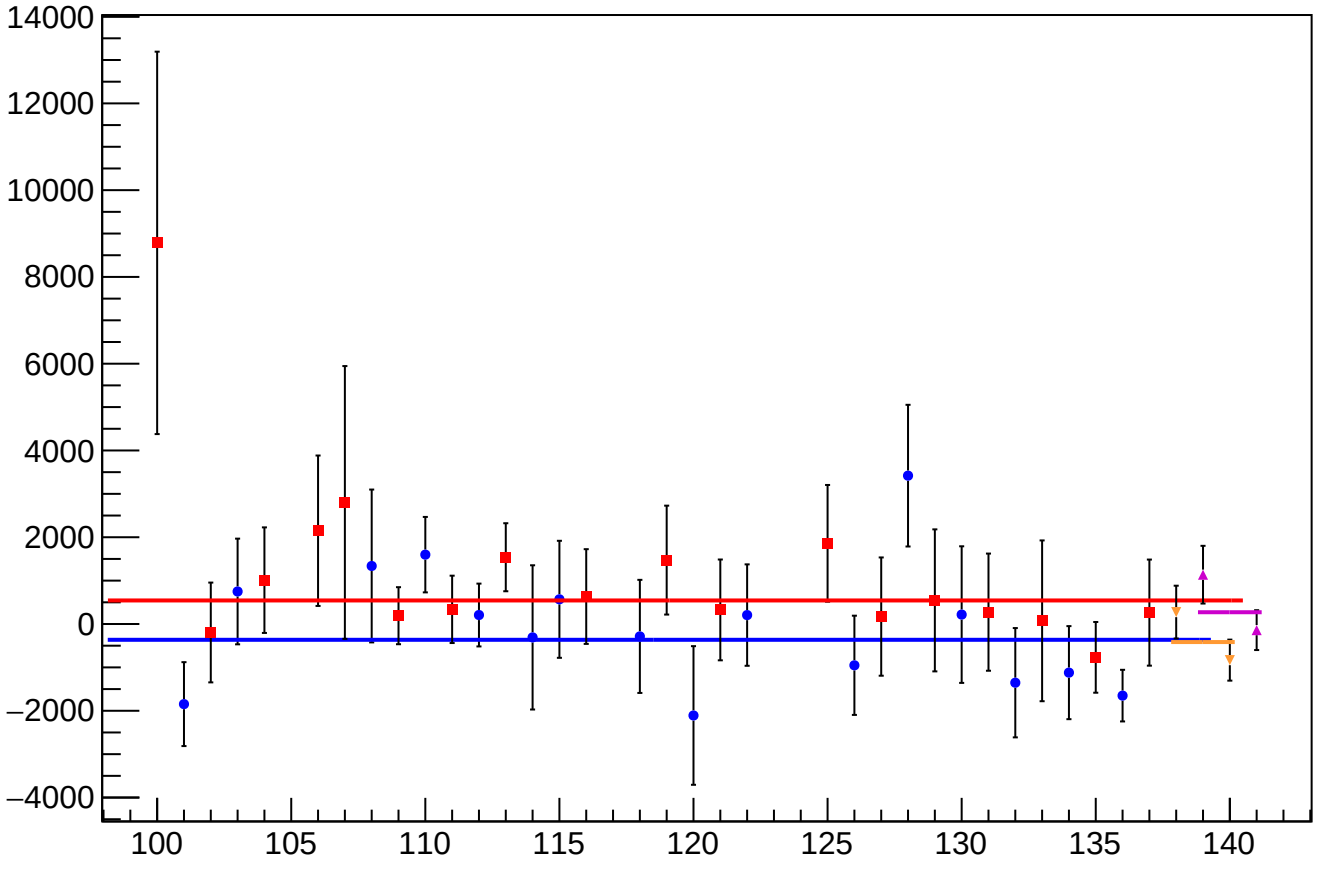
Left: 783.375+/-0.302 χ^2/NDF: 39.4/3

Right: 780.522+/-0.144 χ^2/NDF: 19480.1/33

In: 779.290+/-0.184 χ^2/NDF:11894.5/17

Out: 782.826+/-0.185 χ^2/NDF:7513.5/19

All: 781.051+/-0.130 χ^2/NDF: 19591.9/37



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

Left Out: -415.889+/-373.320 χ^2/NDF:2.1/1

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

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

Left: -76.412+/-265.582 χ^2/NDF: 6.2/3

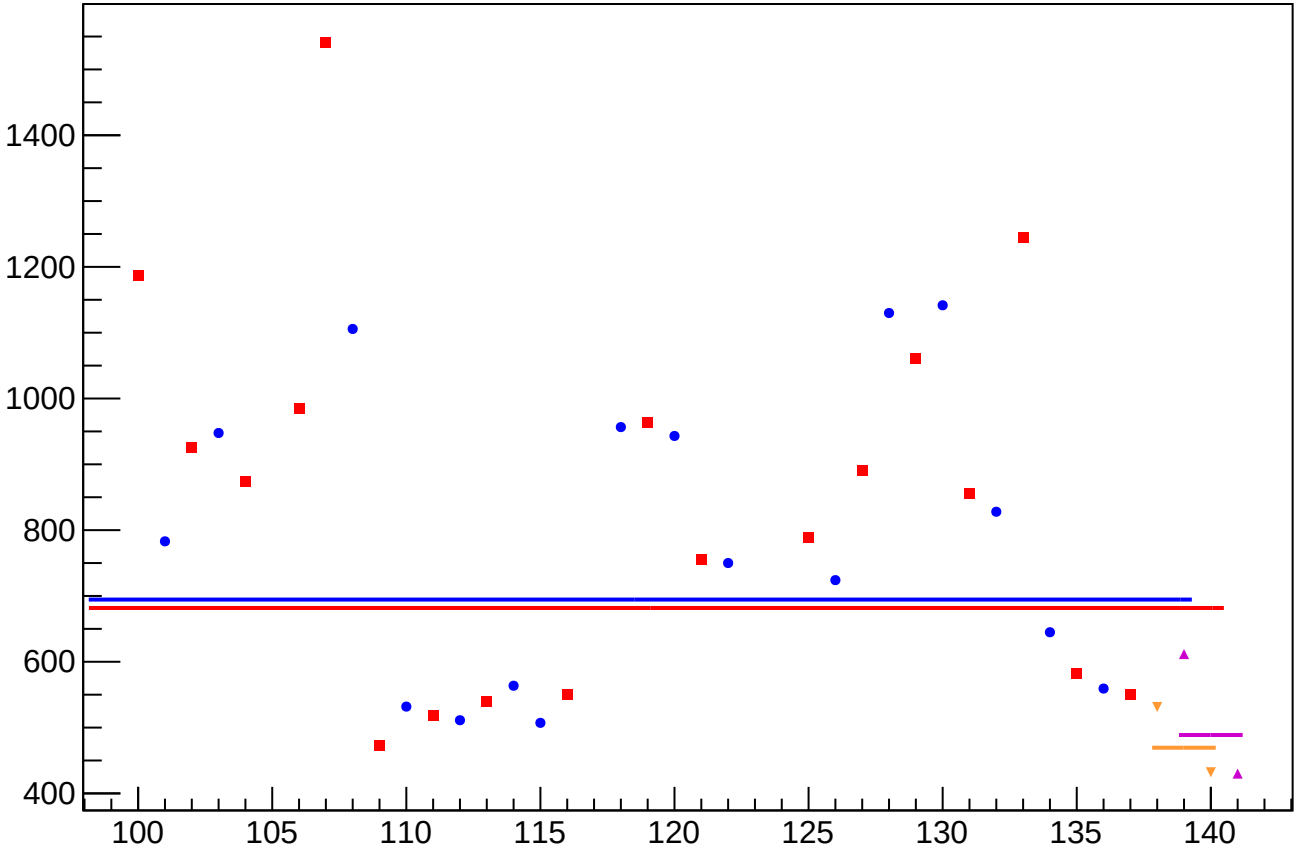
Right: 96.308+/-188.989 χ^2/NDF: 40.8/33

In: -149.954+/-219.320 χ^2/NDF:27.7/17

Out: 221.199+/-216.240 χ^2/NDF:18.2/19

All: 38.247+/-153.982 χ^2/NDF: 47.4/37

asym_us_dd_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 469.433+/-0.264 χ^2/NDF:33129.5/1

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

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

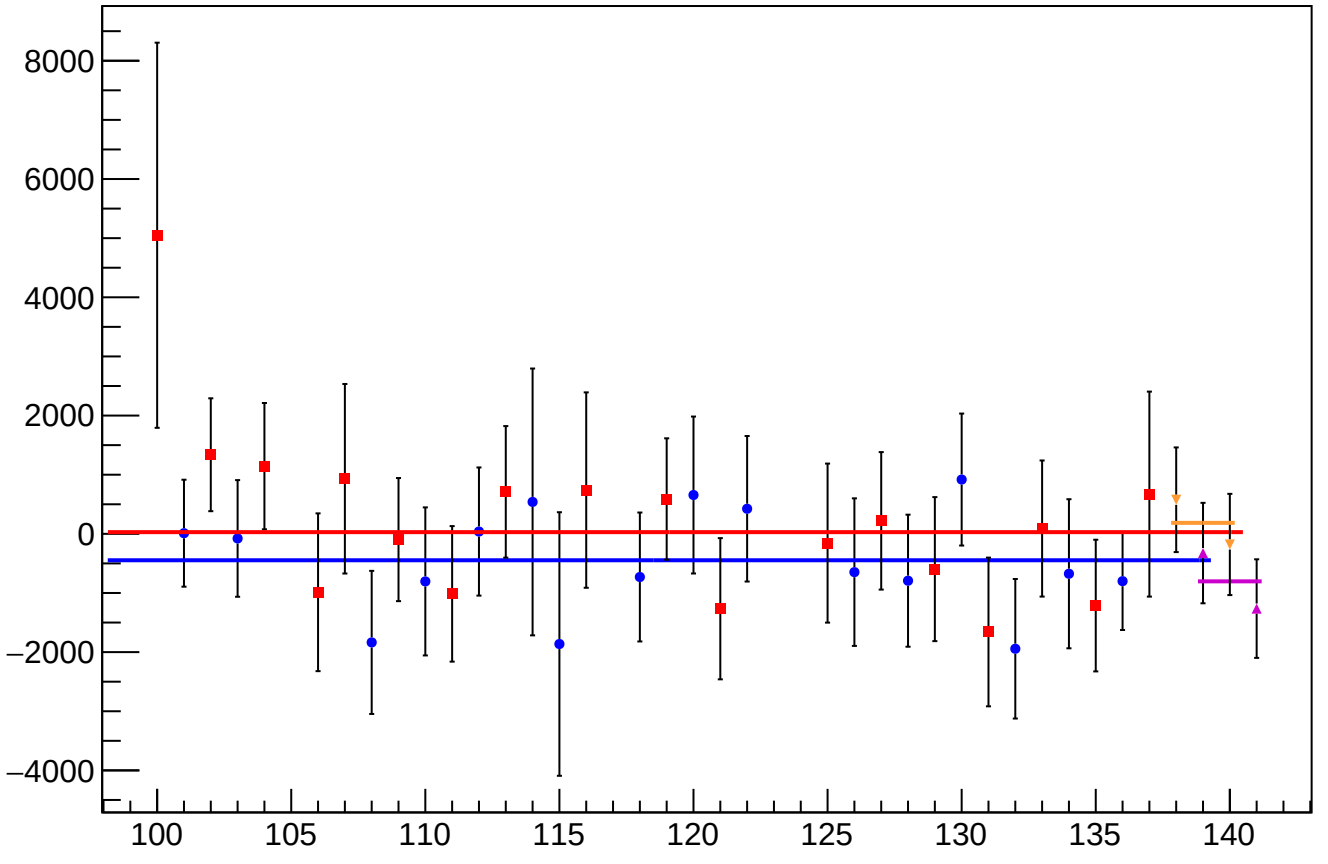
Left: 478.965+/-0.188 χ^2/NDF: 136750.2/3

Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

In: 625.208+/-0.155 χ^2/NDF:1524192.0/17

Out: 610.511+/-0.153 χ^2/NDF:1774280.8/19

All: 617.756+/-0.109 χ^2/NDF: 3303027.2/37



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

Left Out: 185.794+/-615.234 χ^2/NDF:0.4/1

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

Left In: -803.344+/-594.881 χ^2/NDF:0.6/1

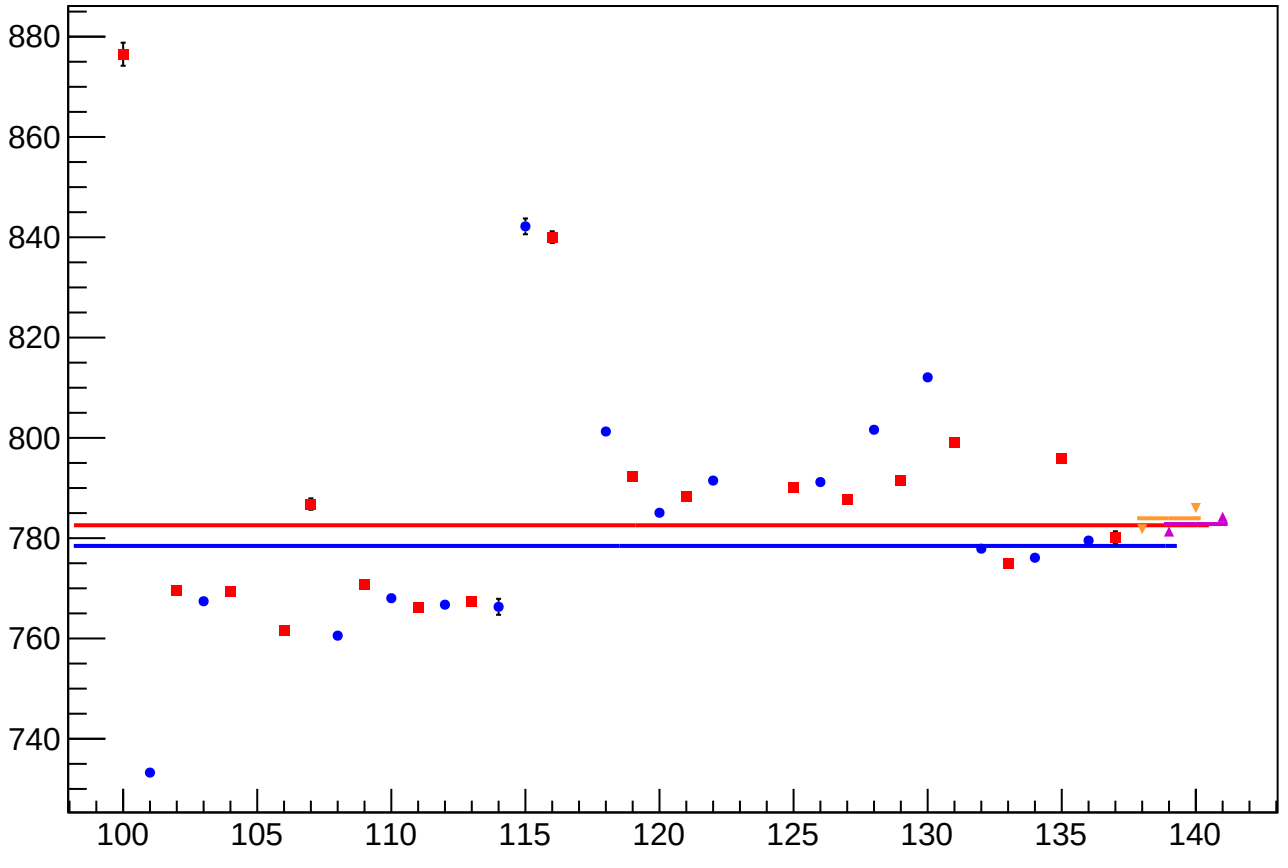
Left: -325.407+/-427.659 χ^2/NDF: 2.3/3

Right: -208.224+/-204.216 χ^2/NDF: 21.3/33

In: -514.858+/-260.121 χ^2/NDF:8.2/17

Out: 57.067+/-261.112 χ^2/NDF:13.1/19

All: -229.983+/-184.283 χ^2/NDF: 23.7/37



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

Left Out: 783.967+/-0.435 χ^2/NDF:23.6/1

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

Left In: 782.821+/-0.421 χ^2/NDF:12.1/1

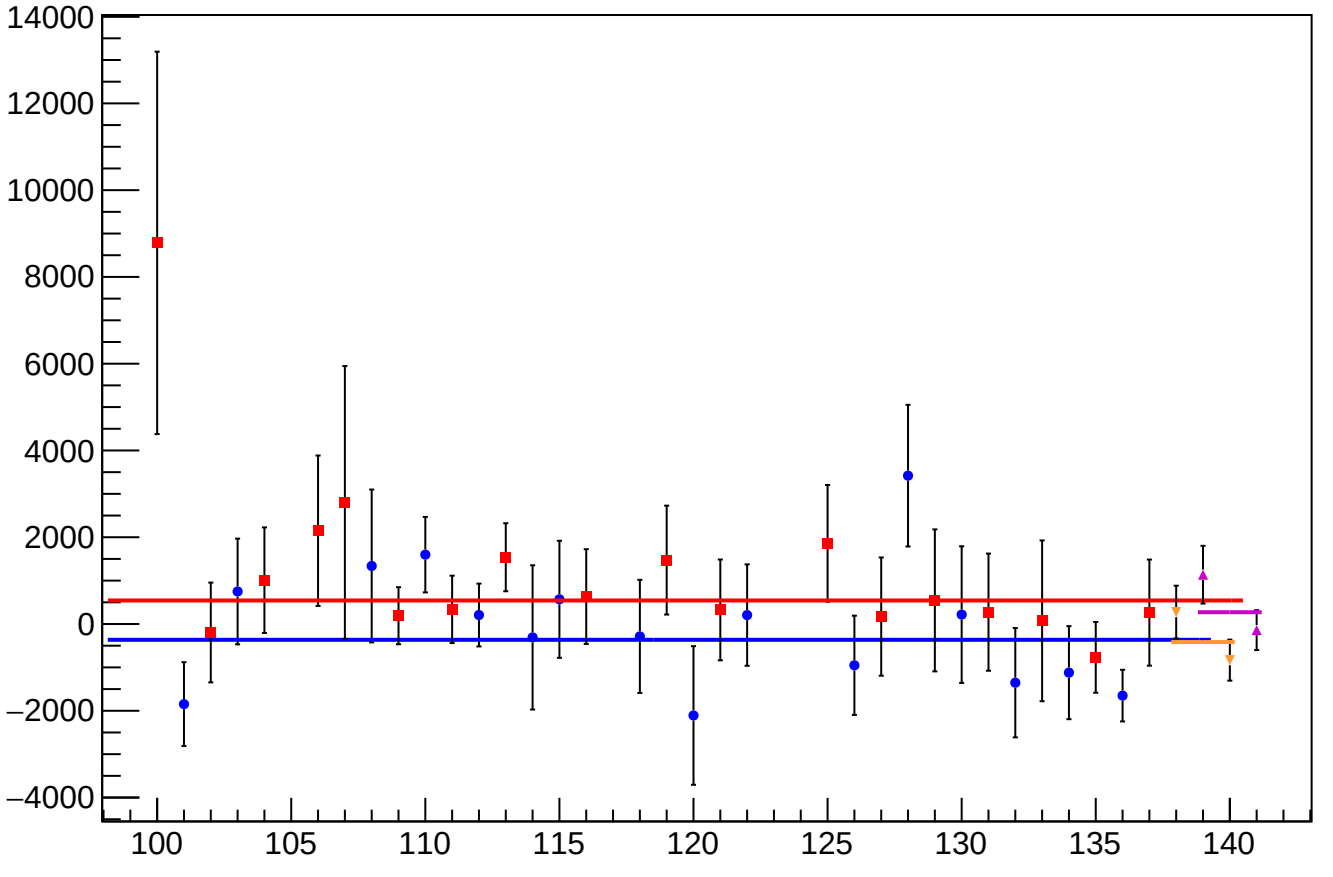
Left: 783.375+/-0.302 χ^2/NDF: 39.4/3

Right: 780.522+/-0.144 χ^2/NDF: 19480.0/33

In: 779.290+/-0.184 χ^2/NDF:11894.4/17

Out: 782.826+/-0.185 χ^2/NDF:7513.4/19

All: 781.051+/-0.130 χ^2/NDF: 19591.9/37



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

Left Out: -415.893+/-373.320 χ^2/NDF:2.1/1

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

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

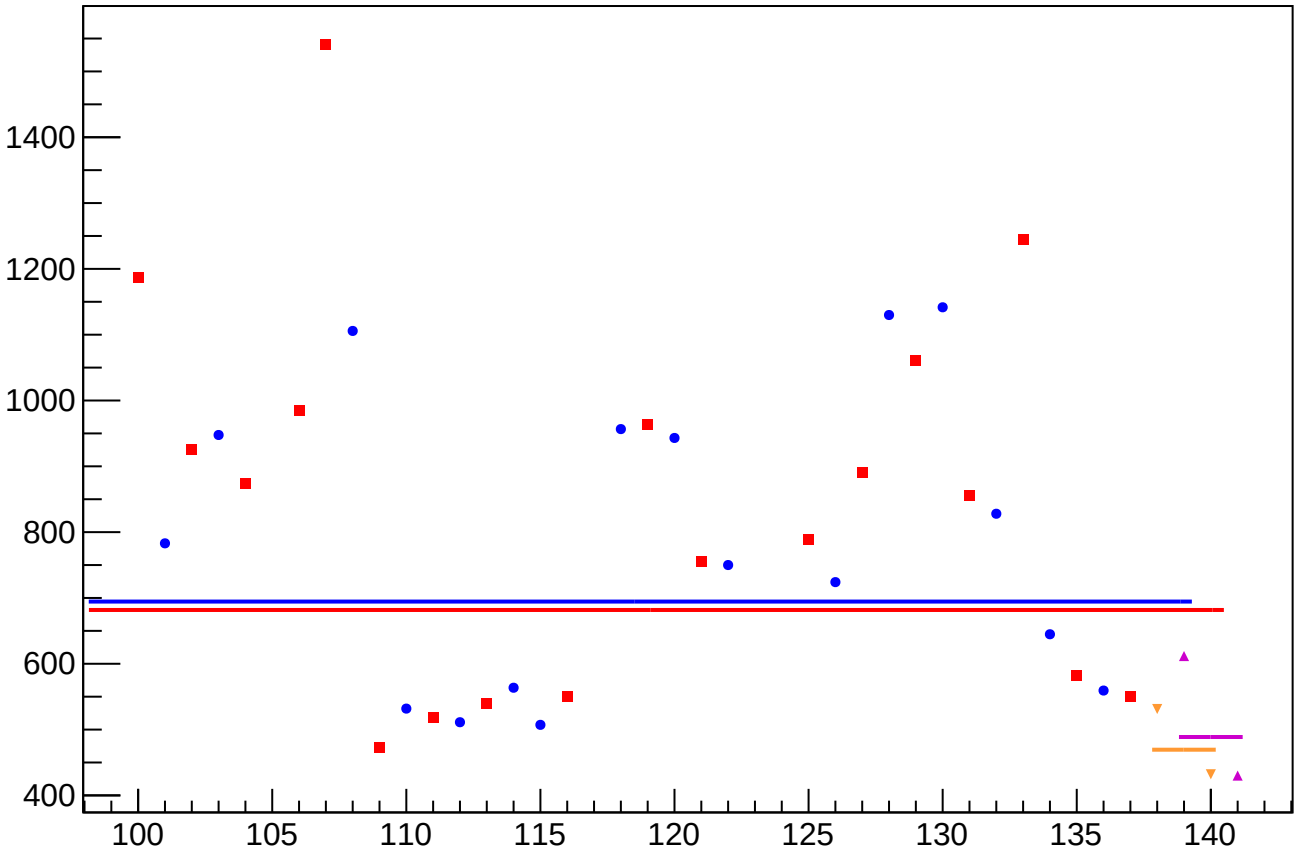
Left: -76.416+/-265.582 χ^2/NDF: 6.2/3

Right: 96.309+/-188.989 χ^2/NDF: 40.8/33

In: -149.953+/-219.319 χ^2/NDF:27.7/17

Out: 221.199+/-216.240 χ^2/NDF:18.2/19

All: 38.247+/-153.982 χ^2/NDF: 47.4/37



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

Left Out: 469.433+/-0.264 χ^2/NDF:33133.5/1

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

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

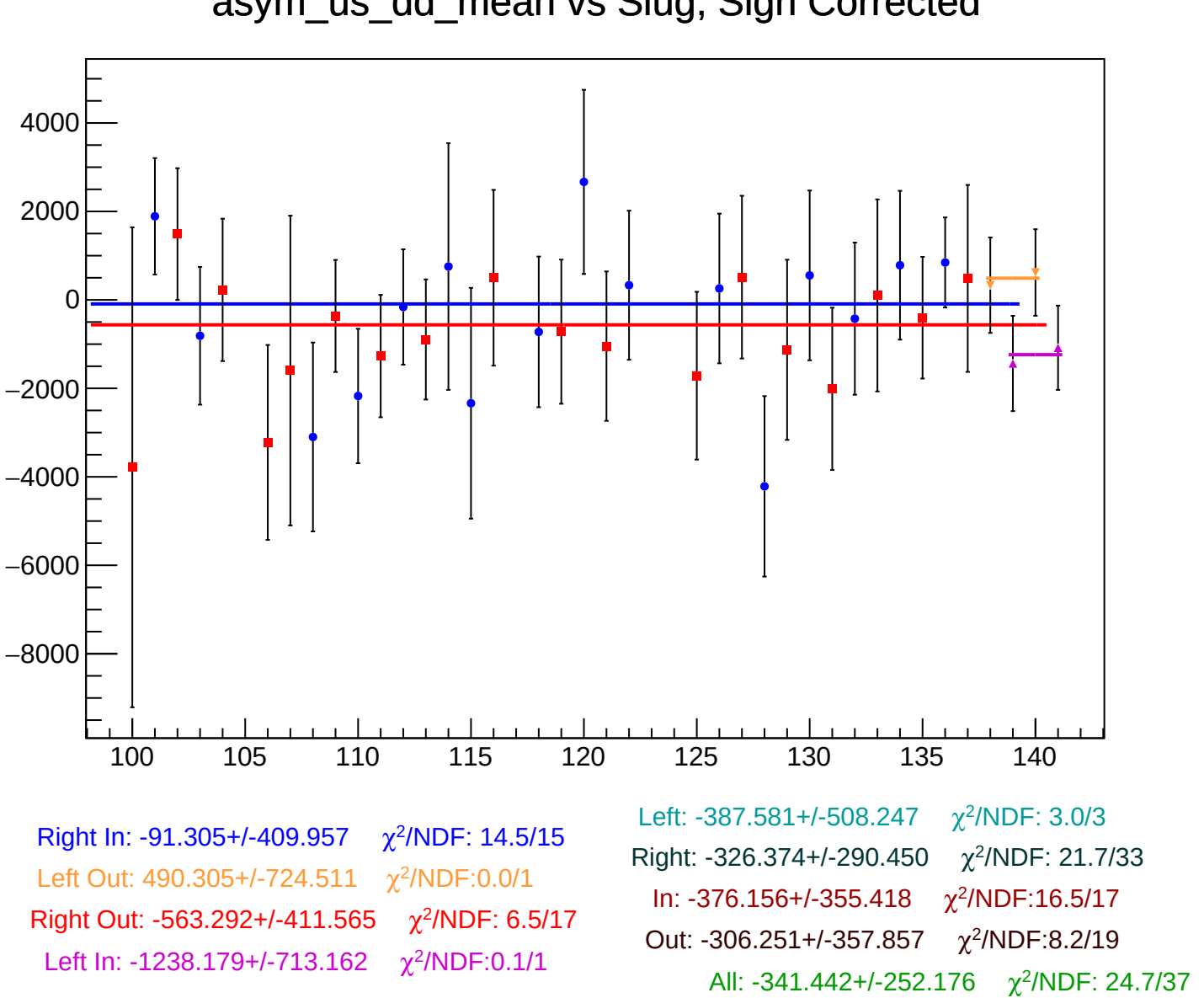
Left: 478.965+/-0.188 χ^2/NDF: 136760.7/3

Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

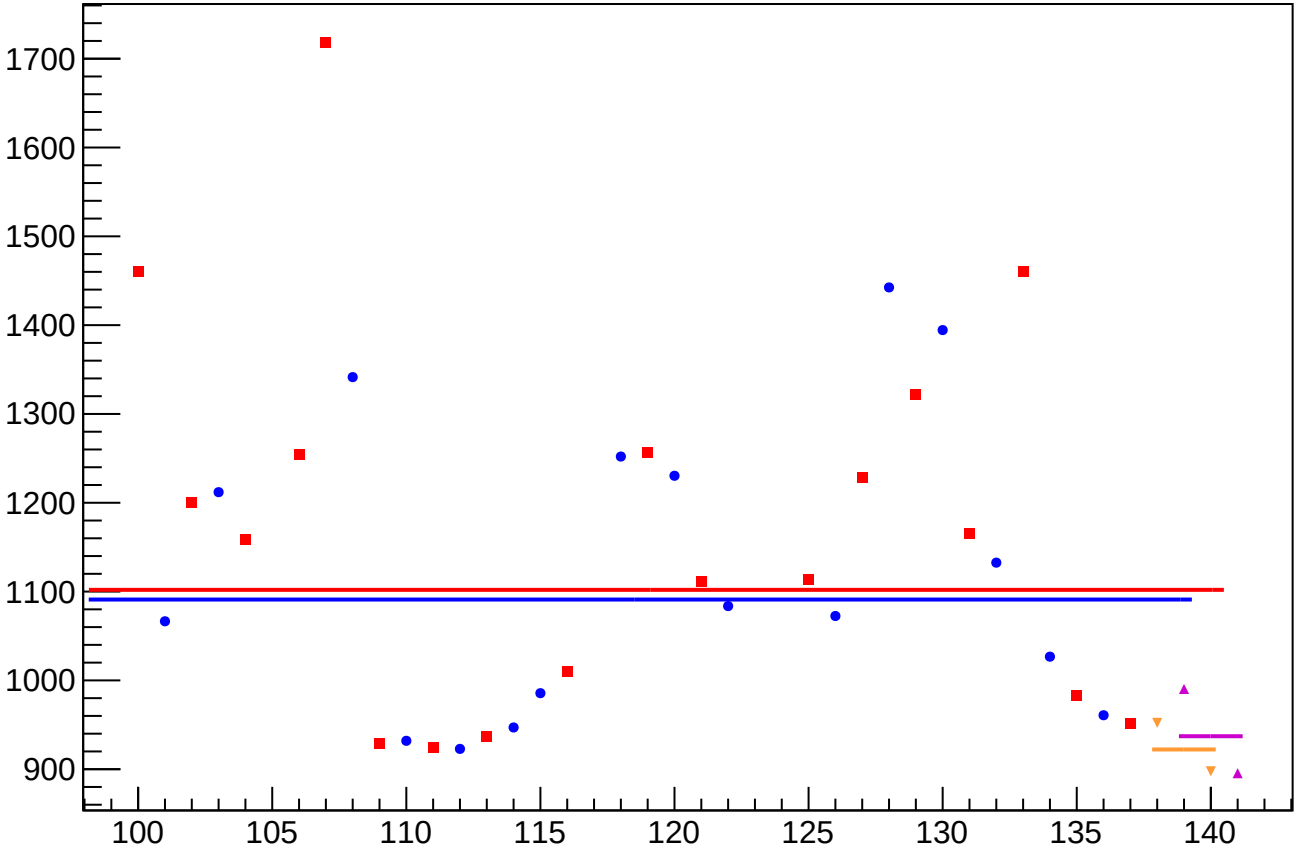
In: 625.206+/-0.155 χ^2/NDF:1524200.7/17

Out: 610.509+/-0.153 χ^2/NDF:1774292.2/19

All: 617.754+/-0.109 χ^2/NDF: 3303047.1/37


asym_us_dd_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
140
Right In: -91.305+/-409.957 χ²/NDF: 14.5/15
Left Out: 490.305+/-724.511 χ²/NDF:0.0/1
Right Out: -563.292+/-411.565 χ²/NDF: 6.5/17
Left In: -1238.179+/-713.162 χ²/NDF:0.1/1
Left: -387.581+/-508.247 χ²/NDF: 3.0/3
Right: -326.374+/-290.450 χ²/NDF: 21.7/33
In: -376.156+/-355.418 χ²/NDF:16.5/17
Out: -306.251+/-357.857 χ²/NDF:8.2/19
All: -341.442+/-252.176 χ²/NDF: 24.7/37

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 922.221+/-0.512 χ^2/NDF:2807.5/1

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

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

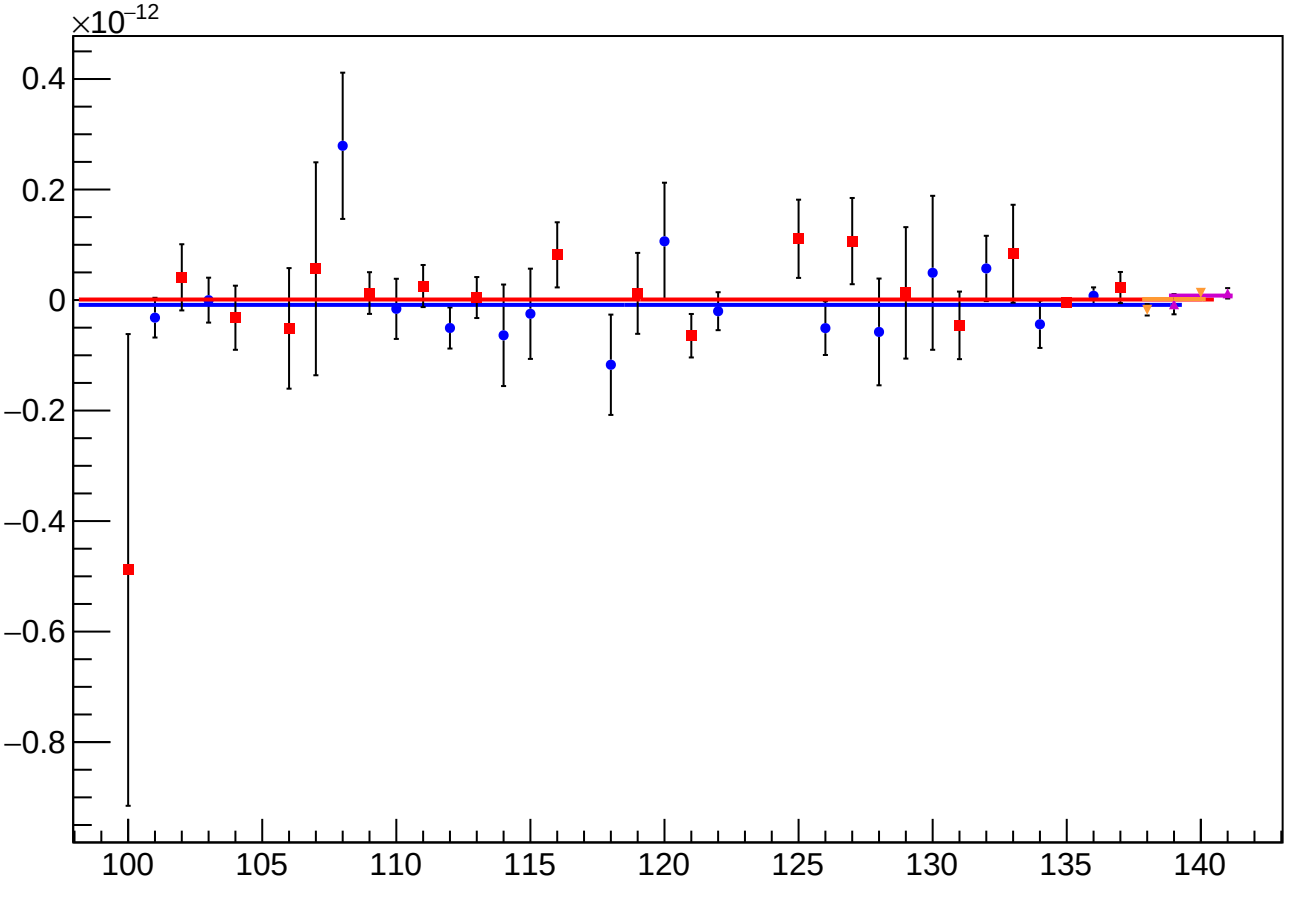
Left: 929.798+/-0.359 χ^2/NDF: 11955.1/3

Right: 1096.476+/-0.205 χ^2/NDF: 606118.2/33

In: 1052.816+/-0.251 χ^2/NDF:356028.5/17

Out: 1058.105+/-0.253 χ^2/NDF:423968.4/19

All: 1055.442+/-0.178 χ^2/NDF: 780216.8/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/1

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

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

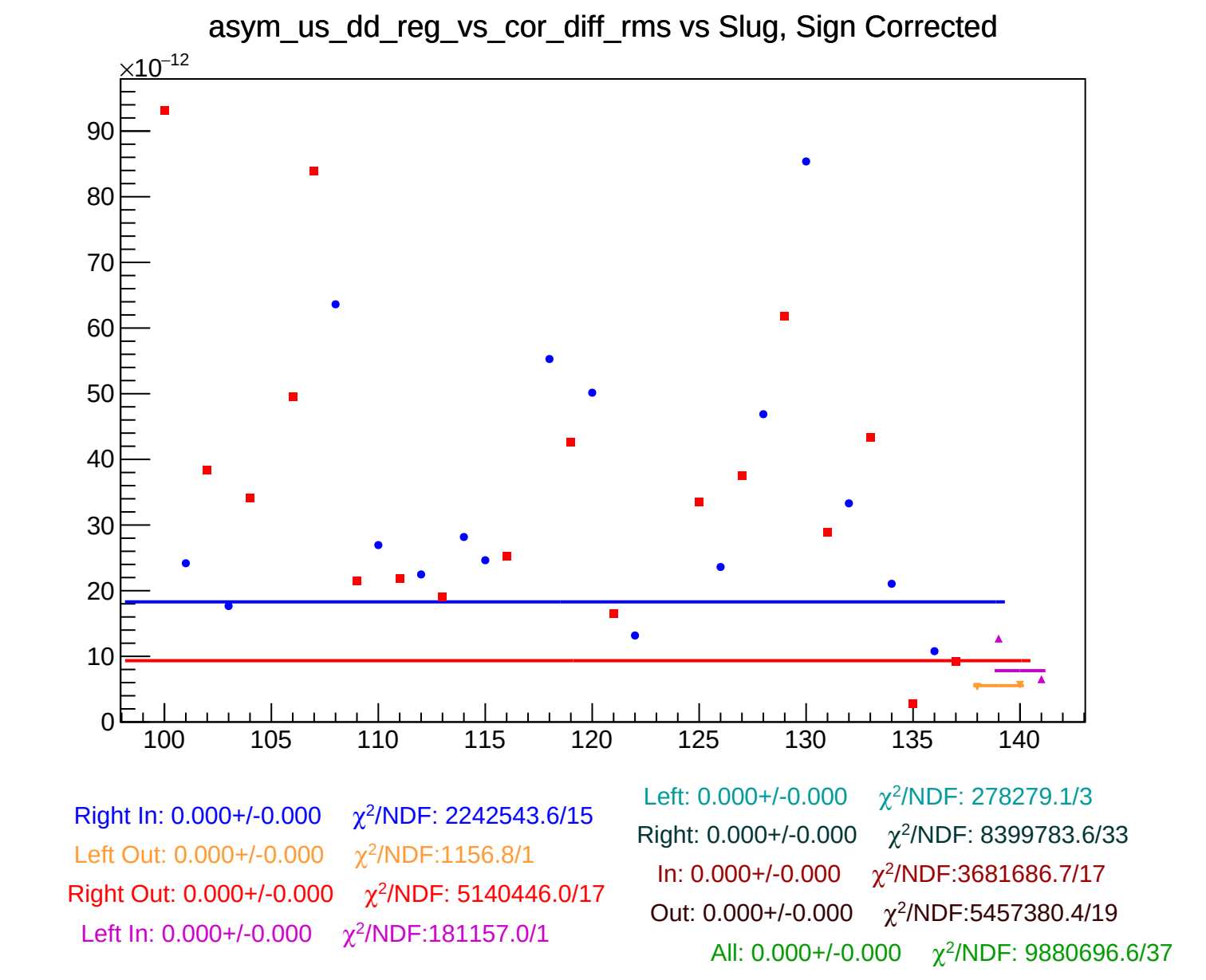
Left: 0.000+/-0.000 χ^2/NDF: 7.0/3

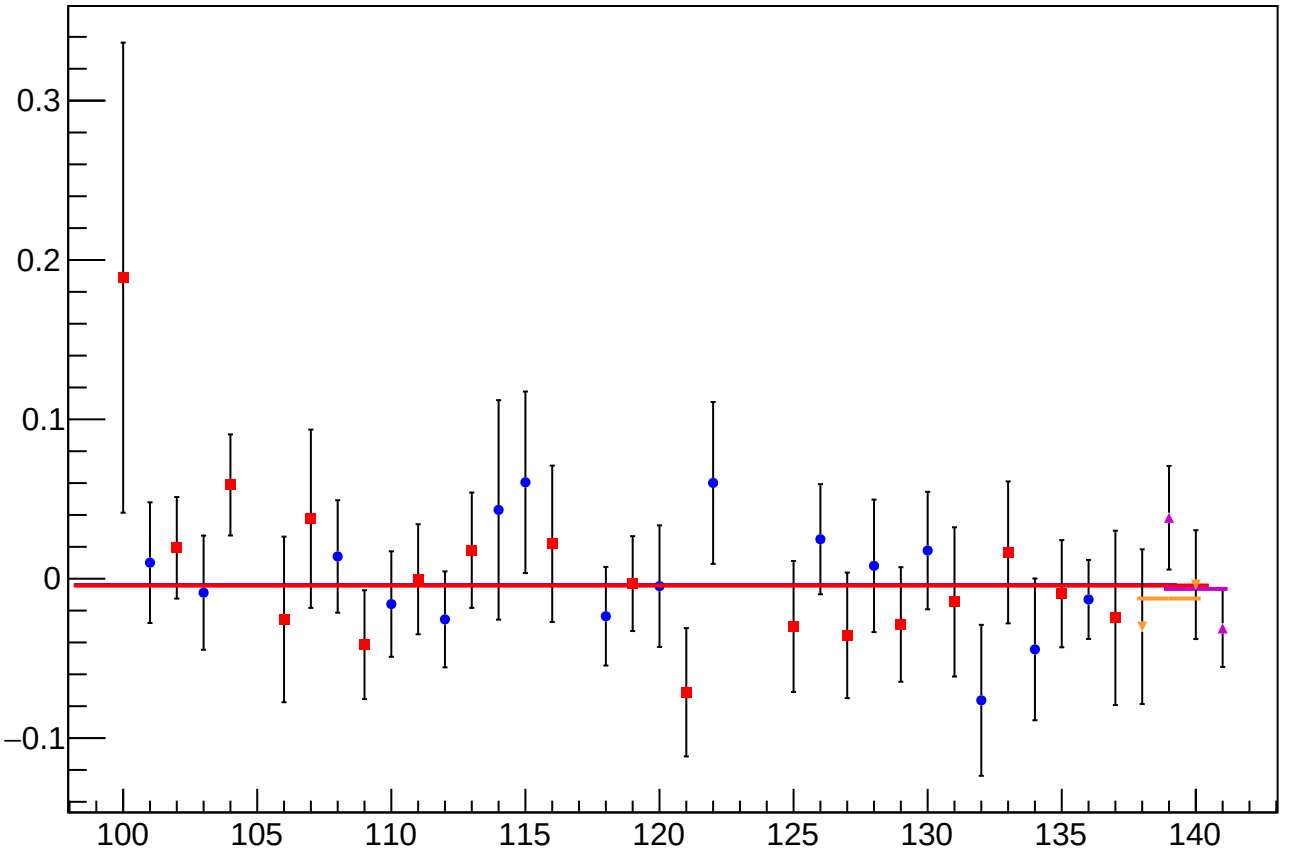
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:16.4/17

Out: 0.000+/-0.000 χ^2/NDF:20.0/19

All: 0.000+/-0.000 χ^2/NDF: 36.4/37


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1156.8/1
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:181157.0/1
Left: 0.000+/-0.000 χ²/NDF: 278279.1/3
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:3681686.7/17
Out: 0.000+/-0.000 χ²/NDF:5457380.4/19
All: 0.000+/-0.000 χ²/NDF: 9880696.6/37



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

Left Out: -0.012+/-0.028 χ^2/NDF:0.2/1

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

Left In: -0.006+/-0.019 χ^2/NDF:2.9/1

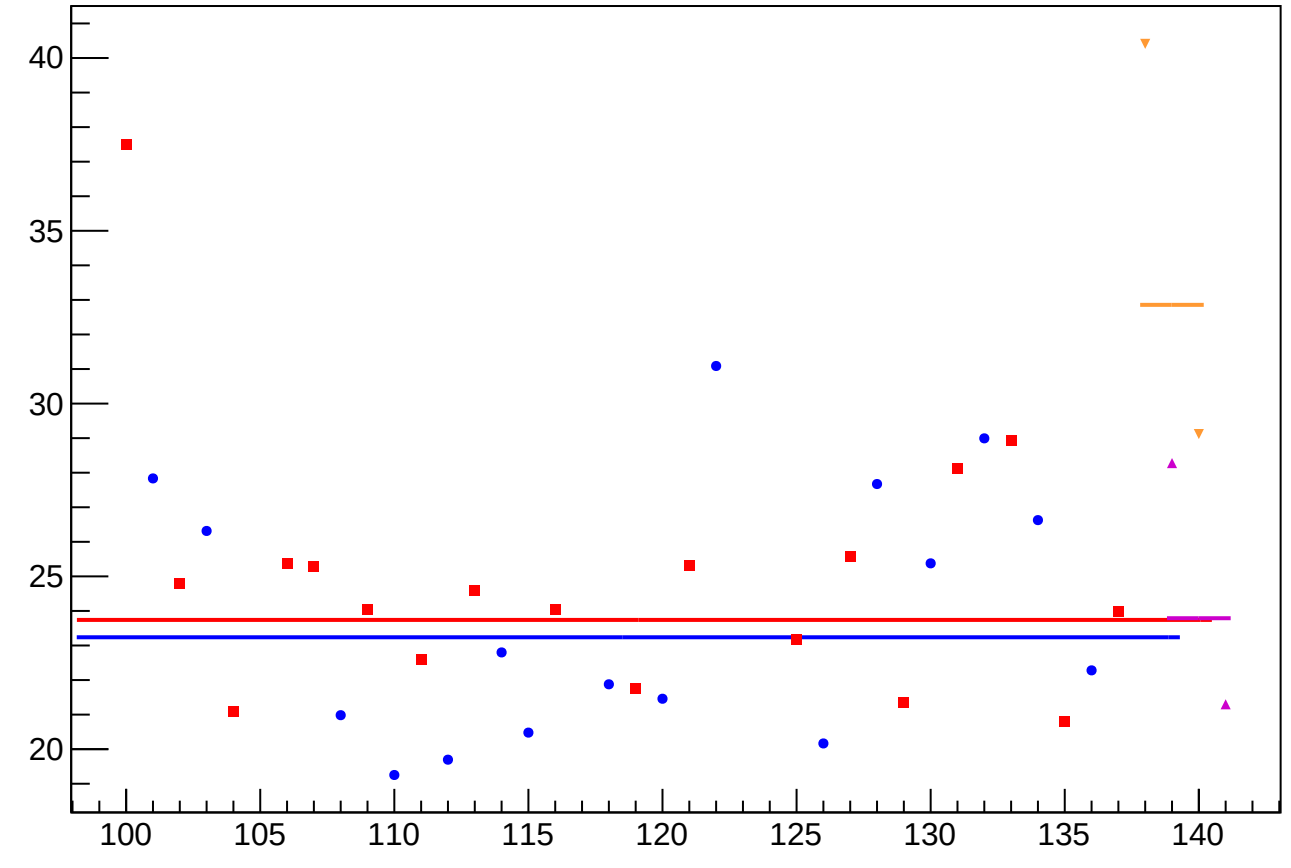
Left: -0.008+/-0.016 χ^2/NDF: 3.2/3

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.004+/-0.008 χ^2/NDF:12.2/17

Out: -0.005+/-0.009 χ^2/NDF:13.8/19

All: -0.005+/-0.006 χ^2/NDF: 25.9/37



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

Left Out: 32.857+/-0.020 χ^2/NDF:72322.2/1

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

Left In: 23.789+/-0.014 χ^2/NDF:59390.4/1

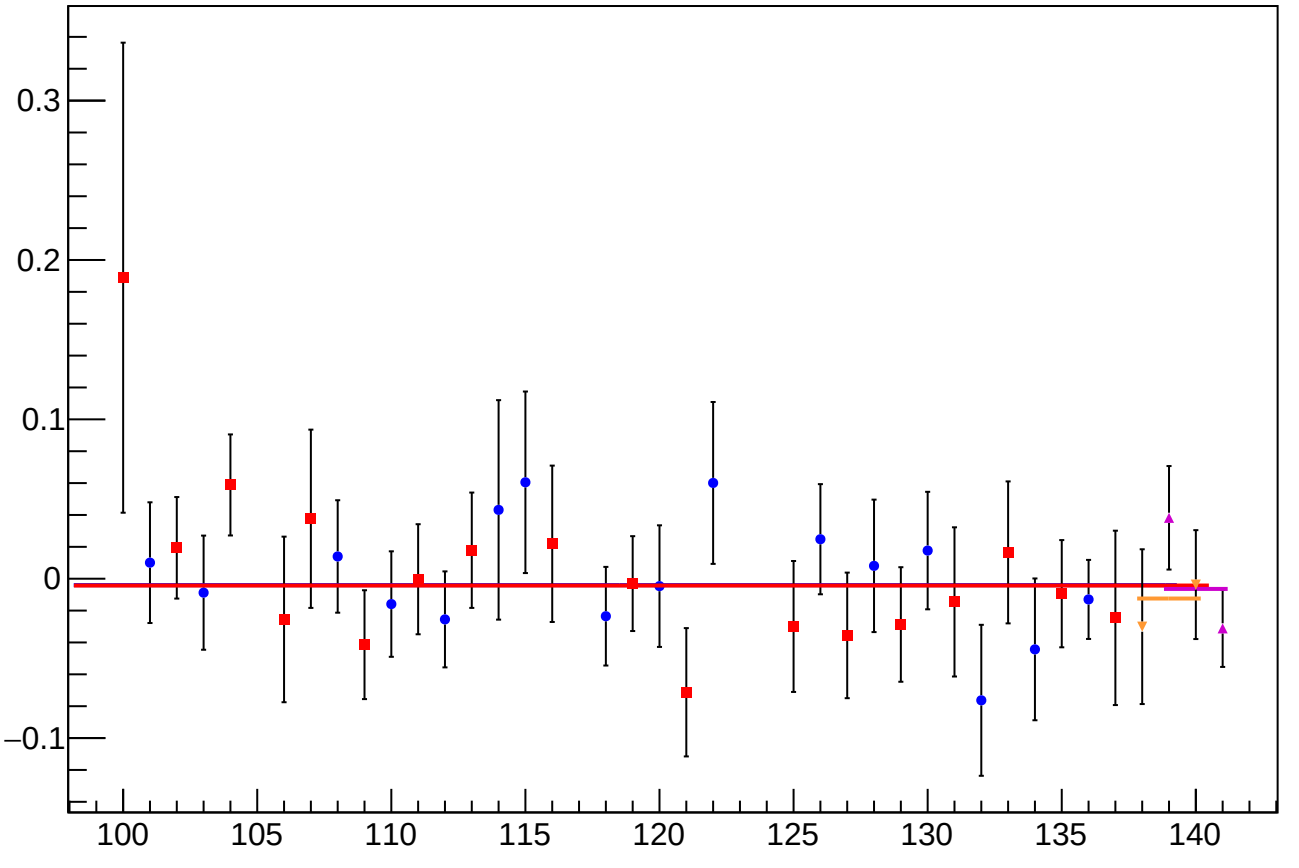
Left: 26.739+/-0.011 χ^2/NDF: 273820.4/3

Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.340+/-0.006 χ^2/NDF:319940.9/17

Out: 24.652+/-0.006 χ^2/NDF:390105.1/19

All: 23.960+/-0.004 χ^2/NDF: 733308.2/37



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

Left Out: -0.012+/-0.028 χ^2/NDF:0.2/1

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

Left In: -0.006+/-0.019 χ^2/NDF:2.9/1

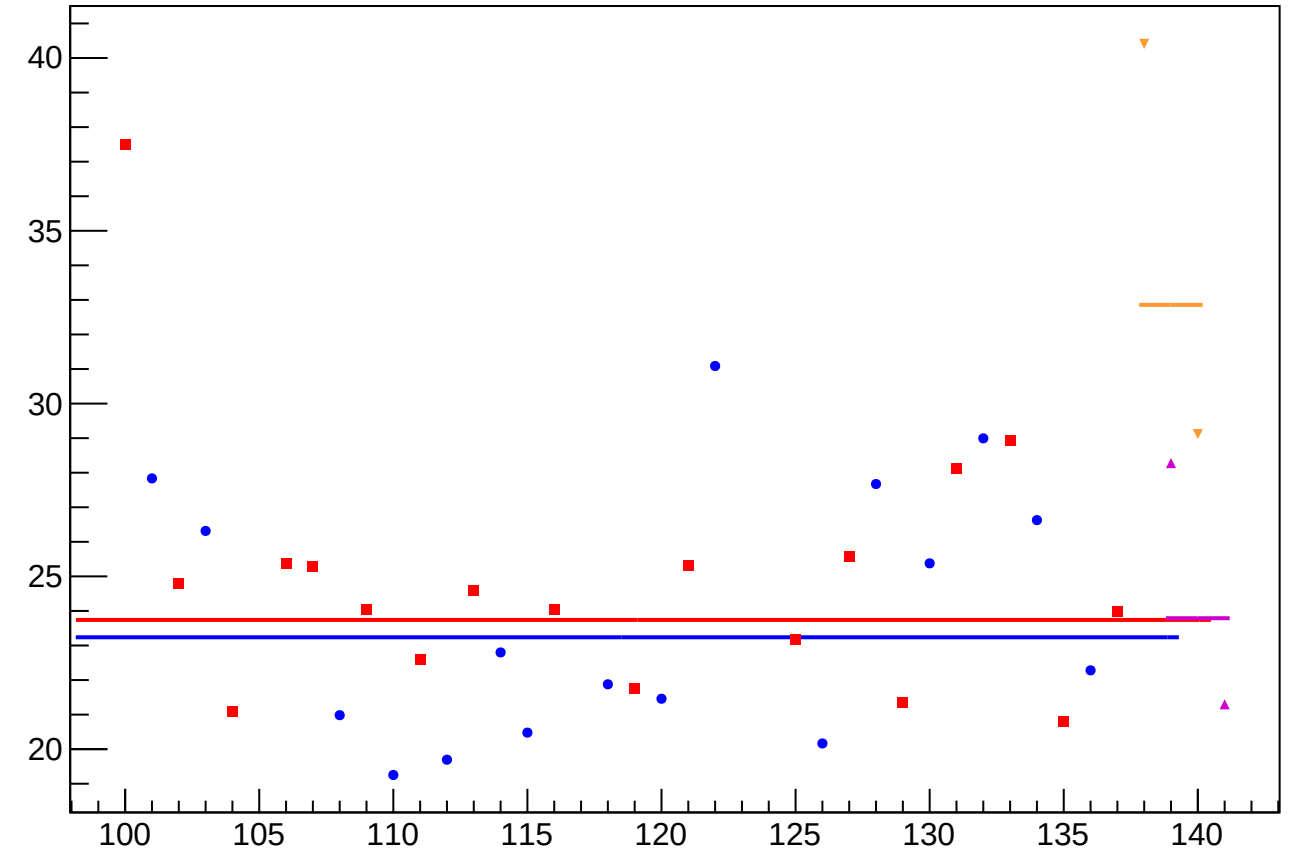
Left: -0.008+/-0.016 χ^2/NDF: 3.2/3

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.004+/-0.008 χ^2/NDF:12.2/17

Out: -0.005+/-0.009 χ^2/NDF:13.8/19

All: -0.005+/-0.006 χ^2/NDF: 25.9/37



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

Left Out: 32.857+/-0.020 χ^2/NDF:72322.2/1

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

Left In: 23.789+/-0.014 χ^2/NDF:59390.4/1

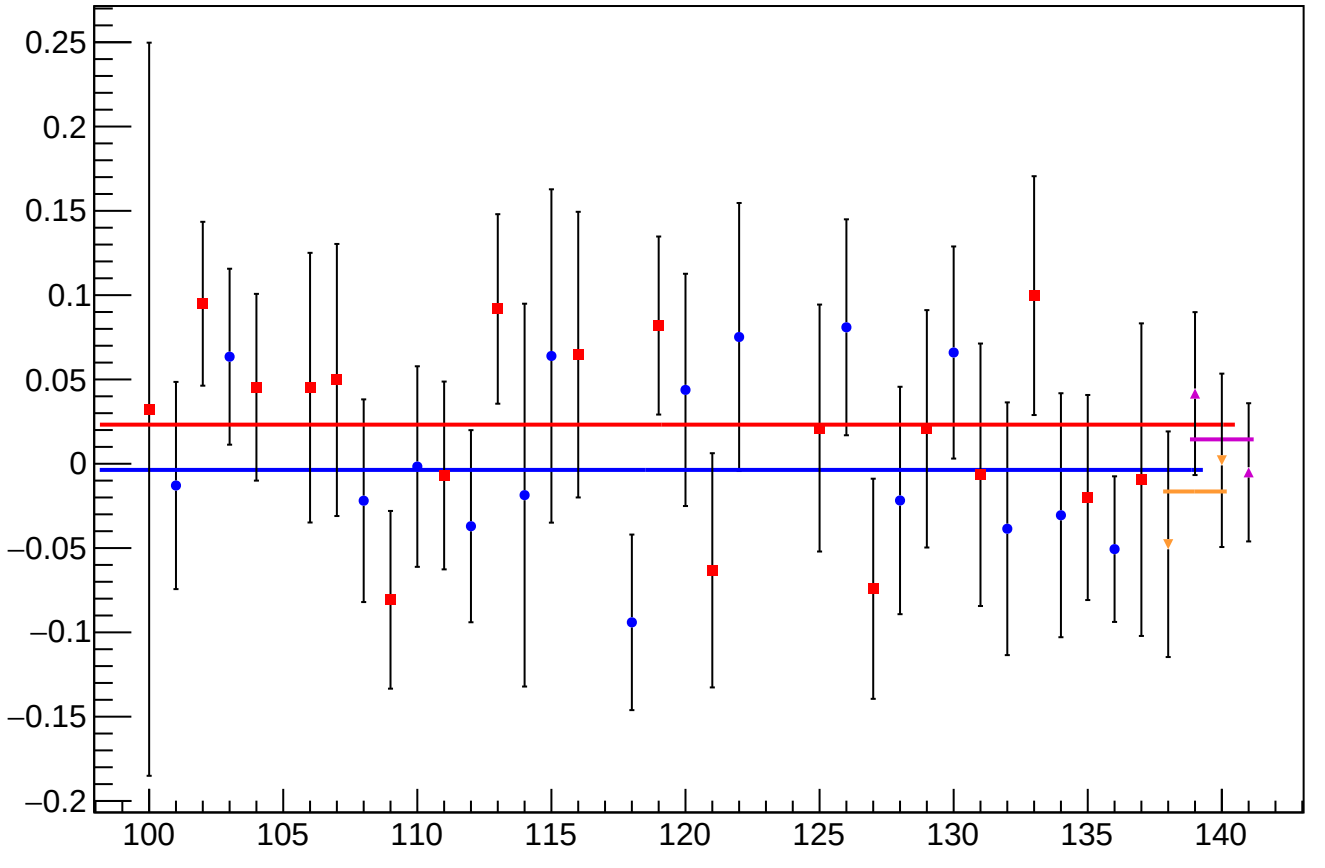
Left: 26.739+/-0.011 χ^2/NDF: 273820.4/3

Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.340+/-0.006 χ^2/NDF:319940.9/17

Out: 24.652+/-0.006 χ^2/NDF:390105.1/19

All: 23.960+/-0.004 χ^2/NDF: 733308.2/37



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

Left Out: -0.016+/-0.041 χ^2/NDF:0.3/1

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

Left In: 0.014+/-0.031 χ^2/NDF:0.5/1

Left: 0.003+/-0.025 χ^2/NDF: 1.3/3

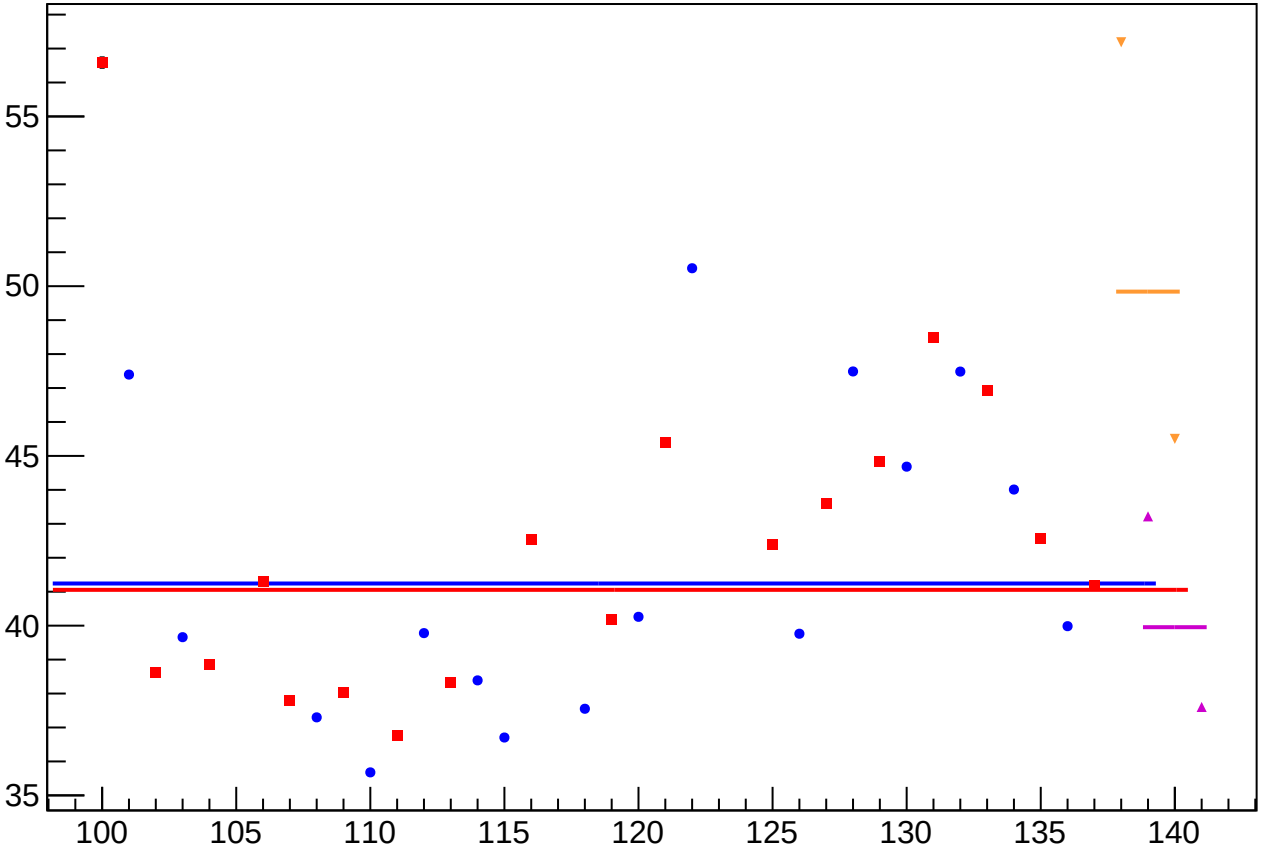
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.000+/-0.014 χ^2/NDF:12.5/17

Out: 0.018+/-0.014 χ^2/NDF:16.6/19

All: 0.009+/-0.010 χ^2/NDF: 29.8/37

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 49.840+/-0.029 χ^2/NDF:38338.1/1

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

Left In: 39.955+/-0.022 χ^2/NDF:15707.6/1

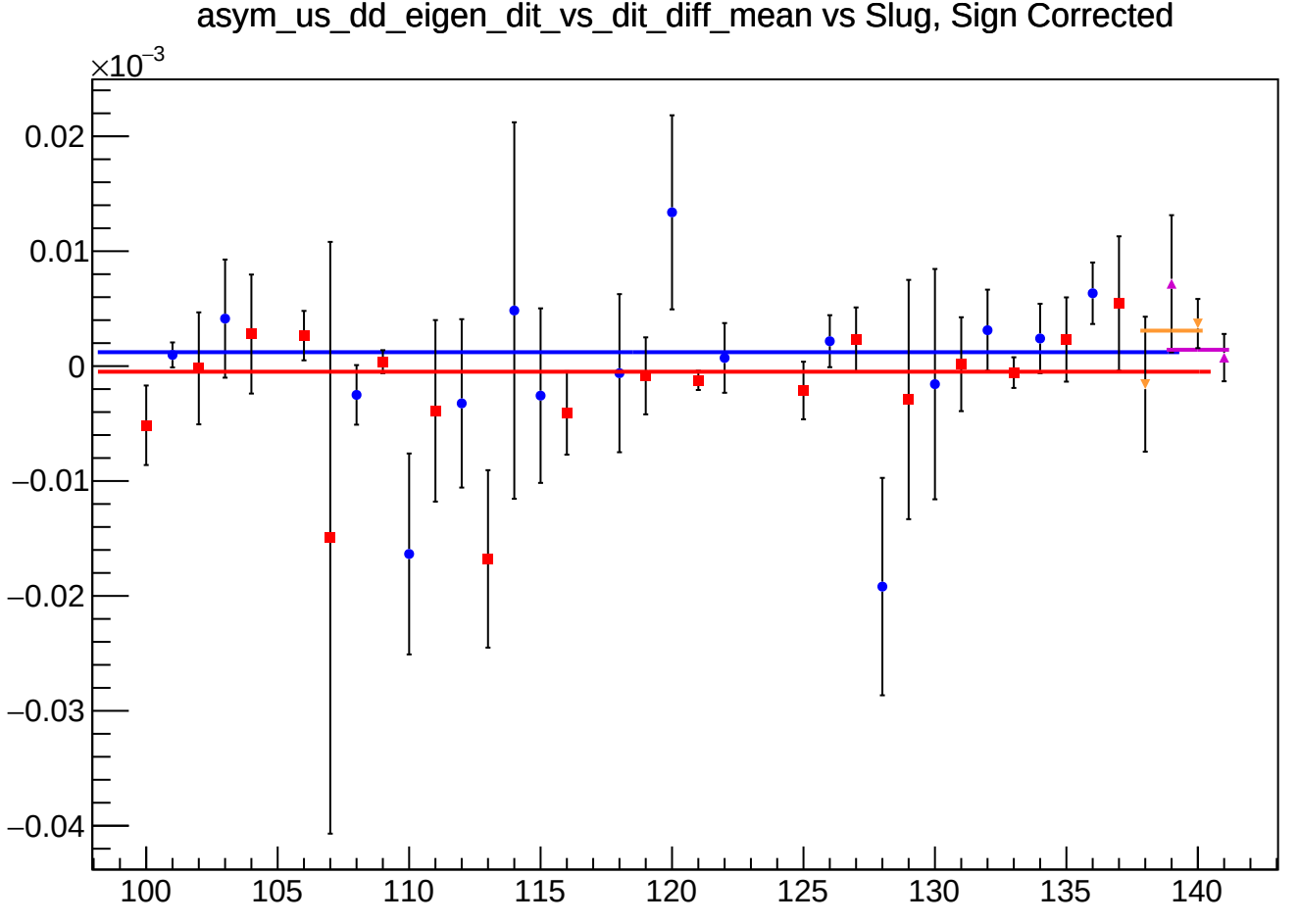
Left: 43.614+/-0.018 χ^2/NDF: 128105.4/3

Right: 41.147+/-0.008 χ^2/NDF: 231982.7/33

In: 40.981+/-0.010 χ^2/NDF:153691.8/17

Out: 42.165+/-0.010 χ^2/NDF:216030.2/19

All: 41.555+/-0.007 χ^2/NDF: 376596.3/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

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

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

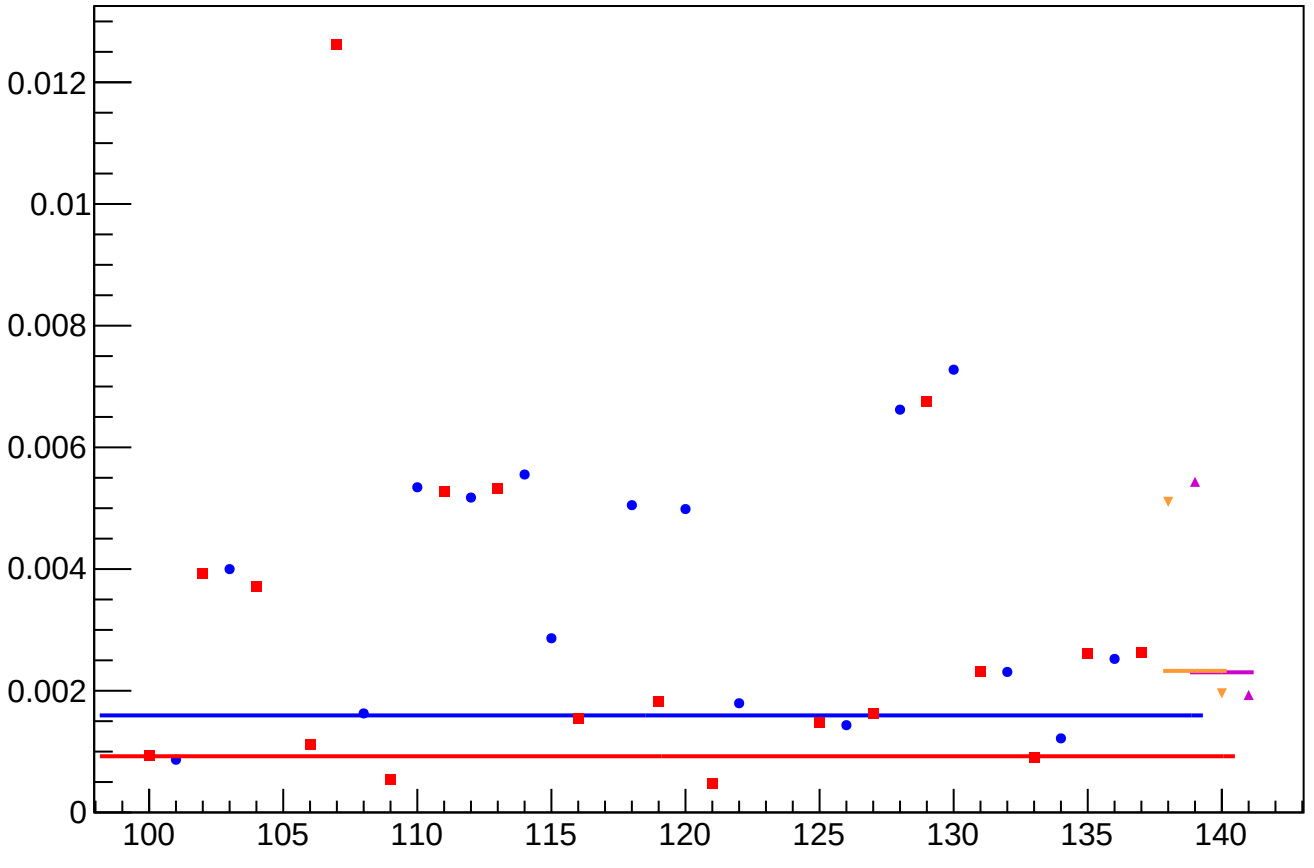
Left: 0.000+/-0.000 χ^2/NDF: 2.1/3

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:19.4/17

Out: -0.000+/-0.000 χ^2/NDF:18.7/19

All: 0.000+/-0.000 χ^2/NDF: 41.2/37



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

Left Out: 0.002+/-0.000 χ^2/NDF:507493.6/1

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

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

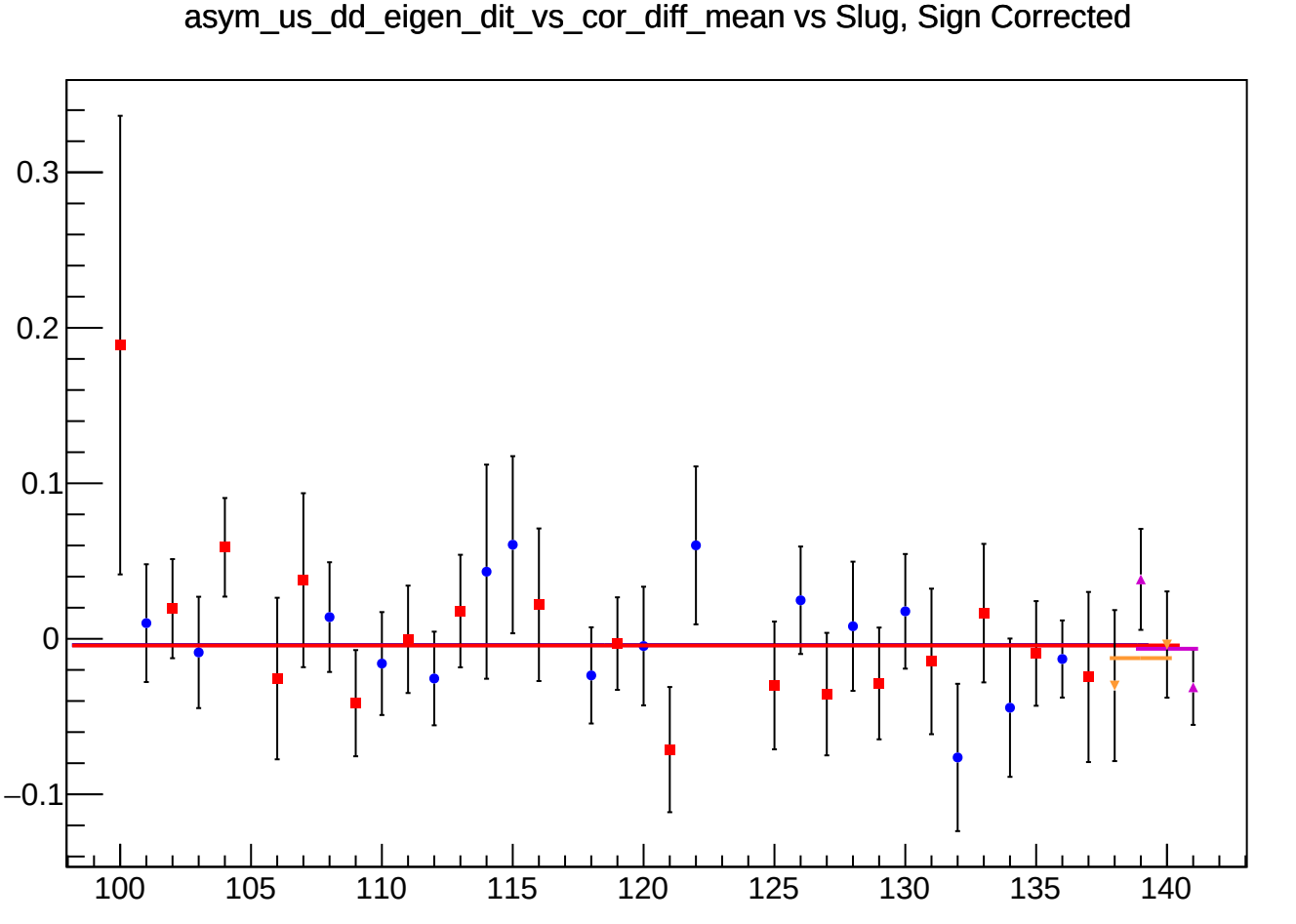
Left: 0.002+/-0.000 χ^2/NDF: 1123808.2/3

Right: 0.001+/-0.000 χ^2/NDF: 11655258.3/33

In: 0.002+/-0.000 χ^2/NDF:5608816.2/17

Out: 0.001+/-0.000 χ^2/NDF:7205586.0/19

All: 0.001+/-0.000 χ^2/NDF: 14101596.2/37



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

Left Out: -0.012+/-0.028 χ^2/NDF:0.2/1

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

Left In: -0.006+/-0.019 χ^2/NDF:2.9/1

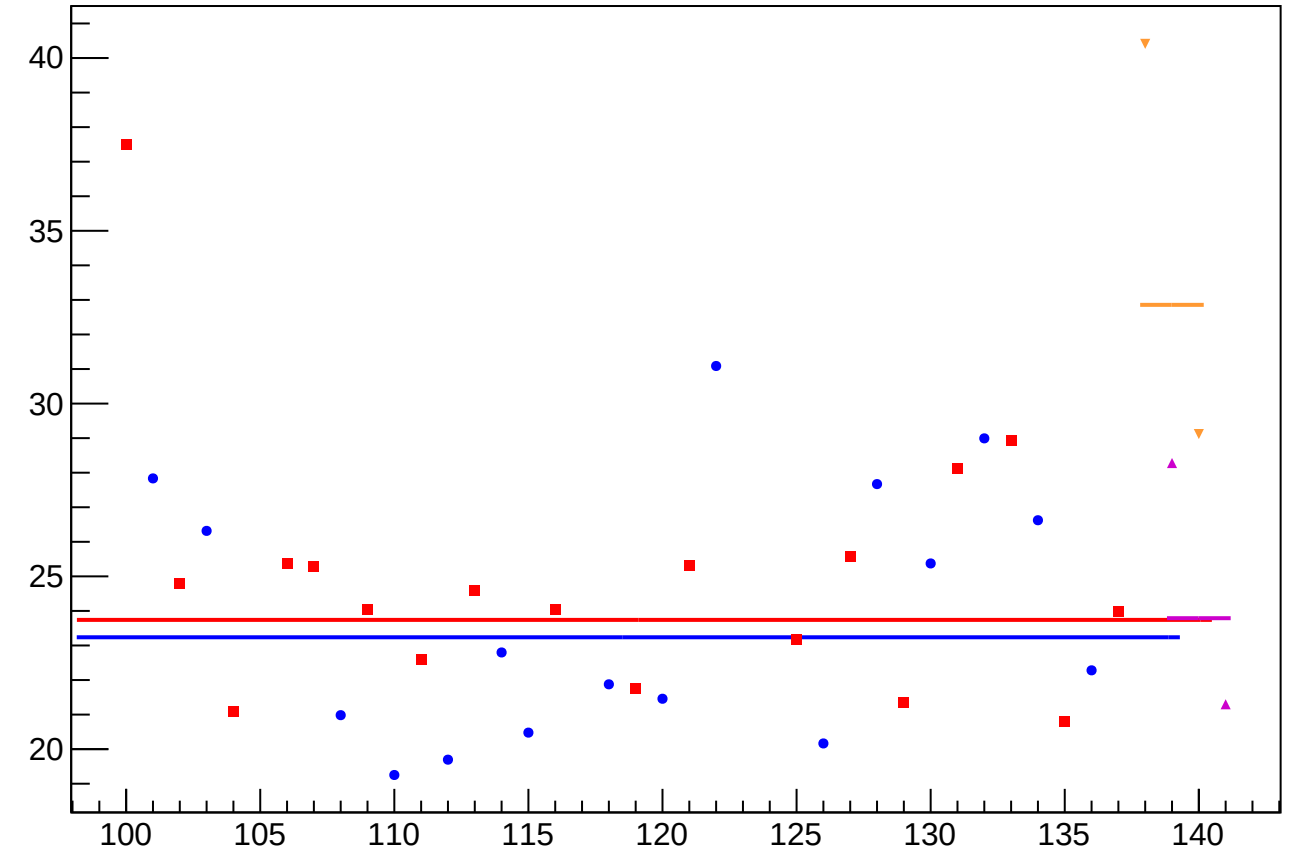
Left: -0.008+/-0.016 χ^2/NDF: 3.2/3

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.004+/-0.008 χ^2/NDF:12.2/17

Out: -0.005+/-0.009 χ^2/NDF:13.8/19

All: -0.005+/-0.006 χ^2/NDF: 25.9/37



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

Left Out: 32.857+/-0.020 χ^2/NDF:72330.0/1

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

Left In: 23.789+/-0.014 χ^2/NDF:59411.9/1

Left: 26.739+/-0.011 χ^2/NDF: 273837.7/3

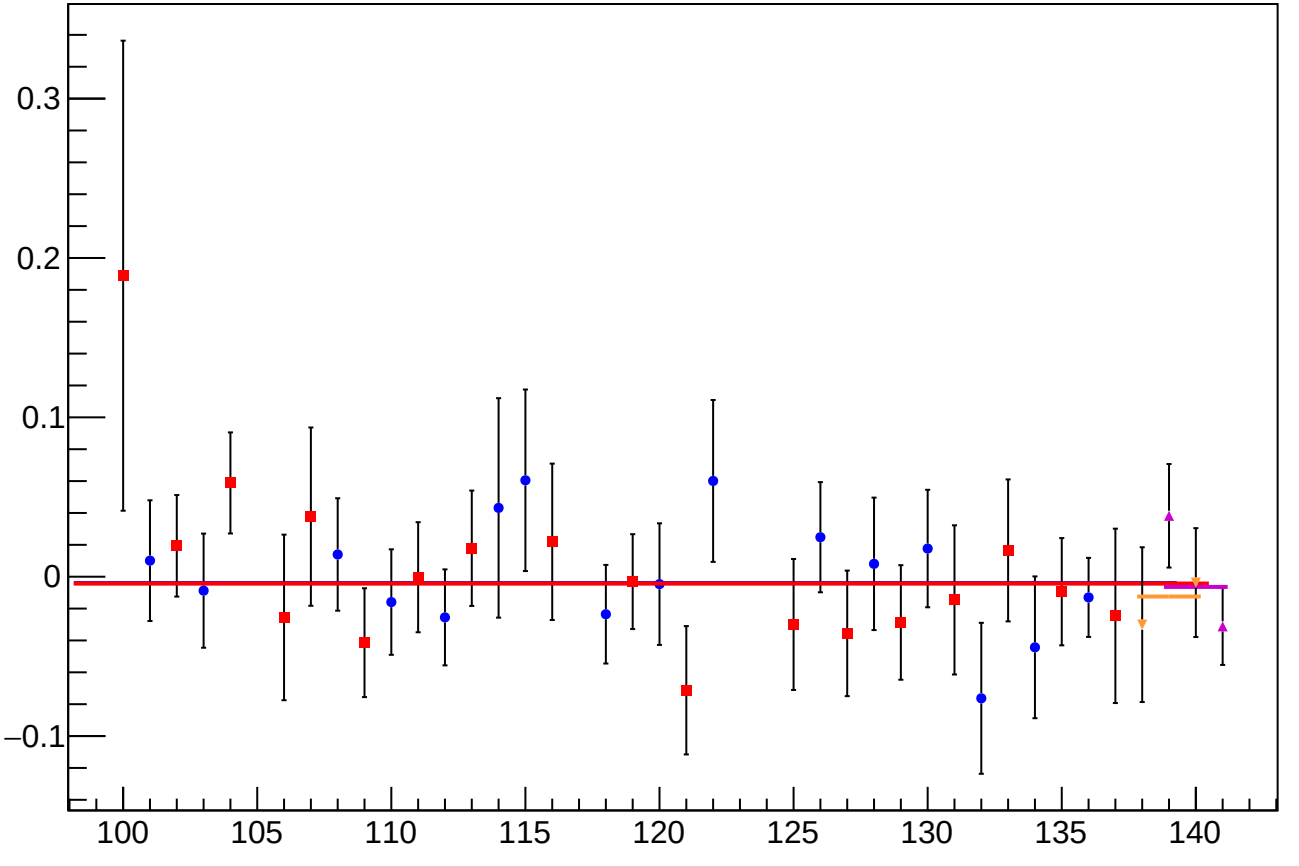
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.340+/-0.006 χ^2/NDF:319955.5/17

Out: 24.652+/-0.006 χ^2/NDF:390049.2/19

All: 23.959+/-0.004 χ^2/NDF: 733292.2/37

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.012+/-0.028 χ^2/NDF:0.2/1

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

Left In: -0.006+/-0.019 χ^2/NDF:2.9/1

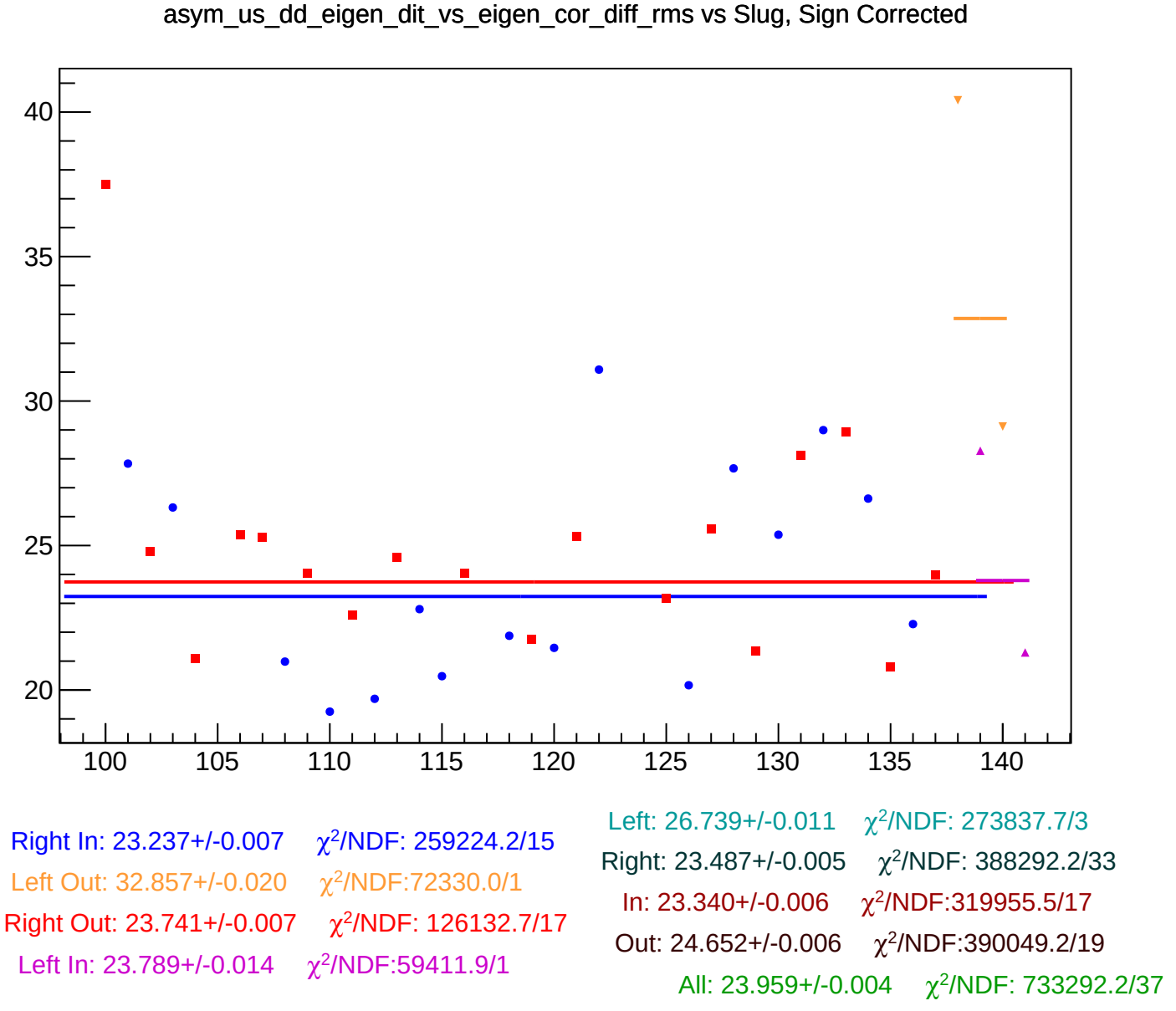
Left: -0.008+/-0.016 χ^2/NDF: 3.2/3

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

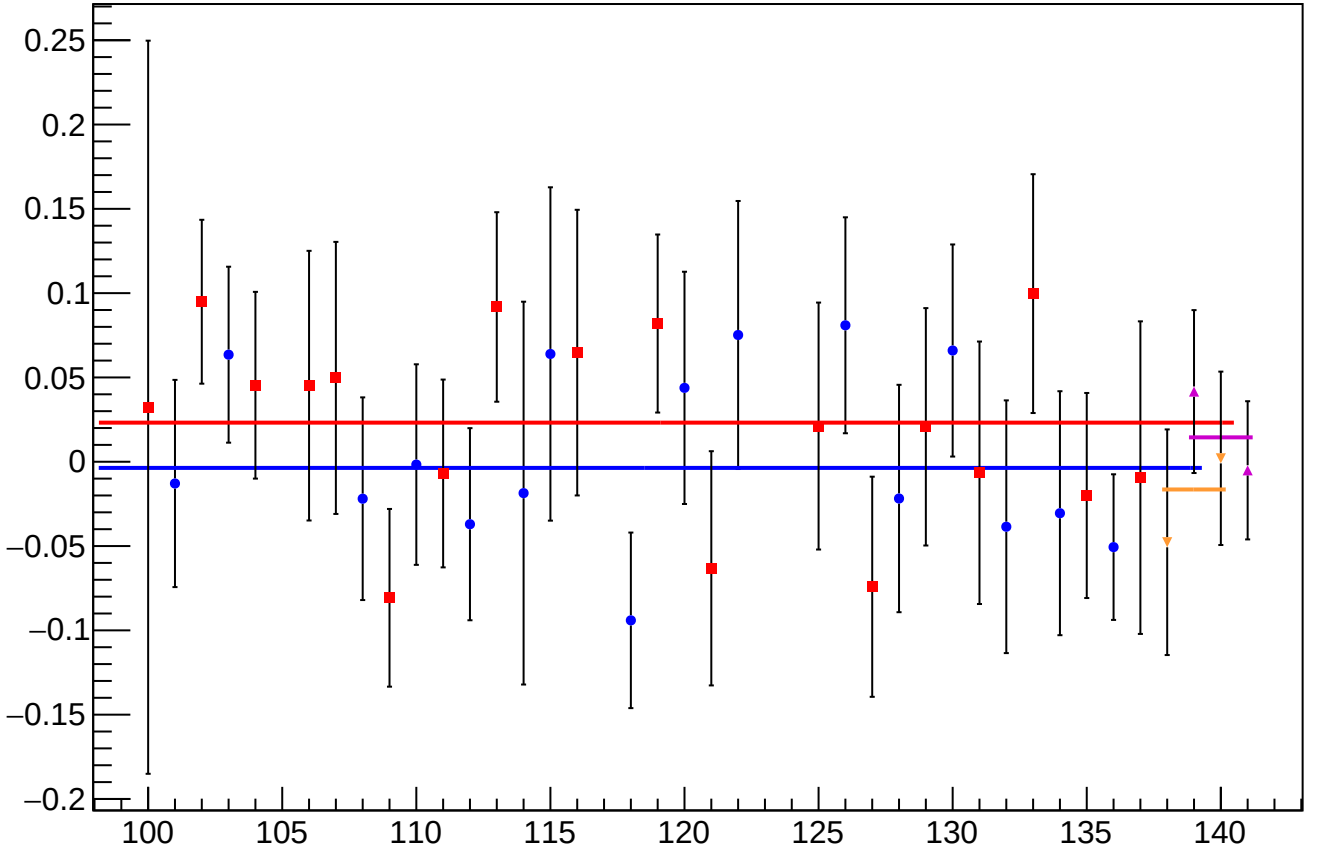
In: -0.004+/-0.008 χ^2/NDF:12.2/17

Out: -0.005+/-0.009 χ^2/NDF:13.8/19

All: -0.005+/-0.006 χ^2/NDF: 25.9/37


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
105
110
115
120
125
130
135
140
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 32.857+/-0.020 χ²/NDF:72330.0/1
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.789+/-0.014 χ²/NDF:59411.9/1
Left: 26.739+/-0.011 χ²/NDF: 273837.7/3
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 23.340+/-0.006 χ²/NDF:319955.5/17
Out: 24.652+/-0.006 χ²/NDF:390049.2/19
All: 23.959+/-0.004 χ²/NDF: 733292.2/37

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.016+/-0.041 χ^2/NDF:0.3/1

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

Left In: 0.014+/-0.031 χ^2/NDF:0.5/1

Left: 0.003+/-0.025 χ^2/NDF: 1.3/3

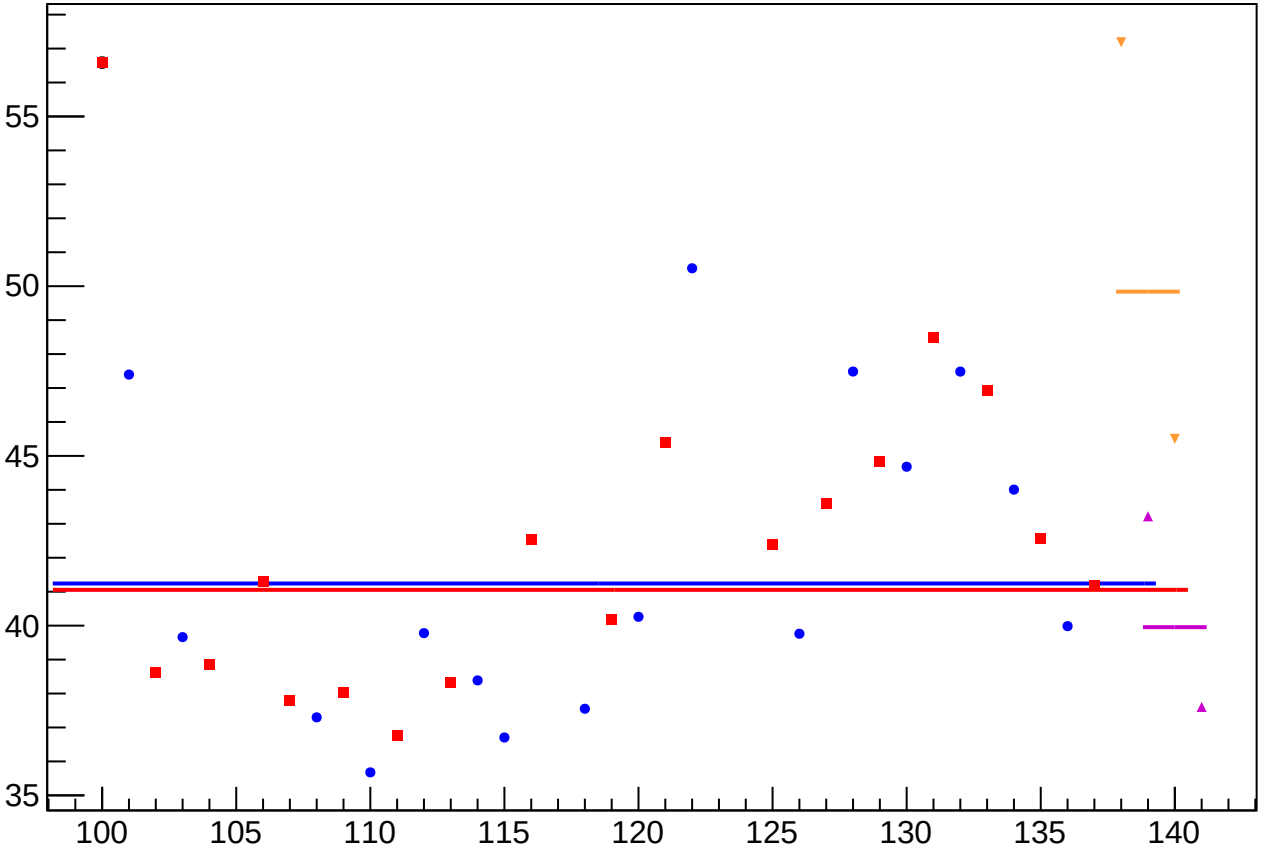
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.000+/-0.014 χ^2/NDF:12.5/17

Out: 0.018+/-0.014 χ^2/NDF:16.6/19

All: 0.009+/-0.010 χ^2/NDF: 29.8/37

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 49.840+/-0.029 χ^2/NDF:38341.2/1

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

Left In: 39.955+/-0.022 χ^2/NDF:15713.2/1

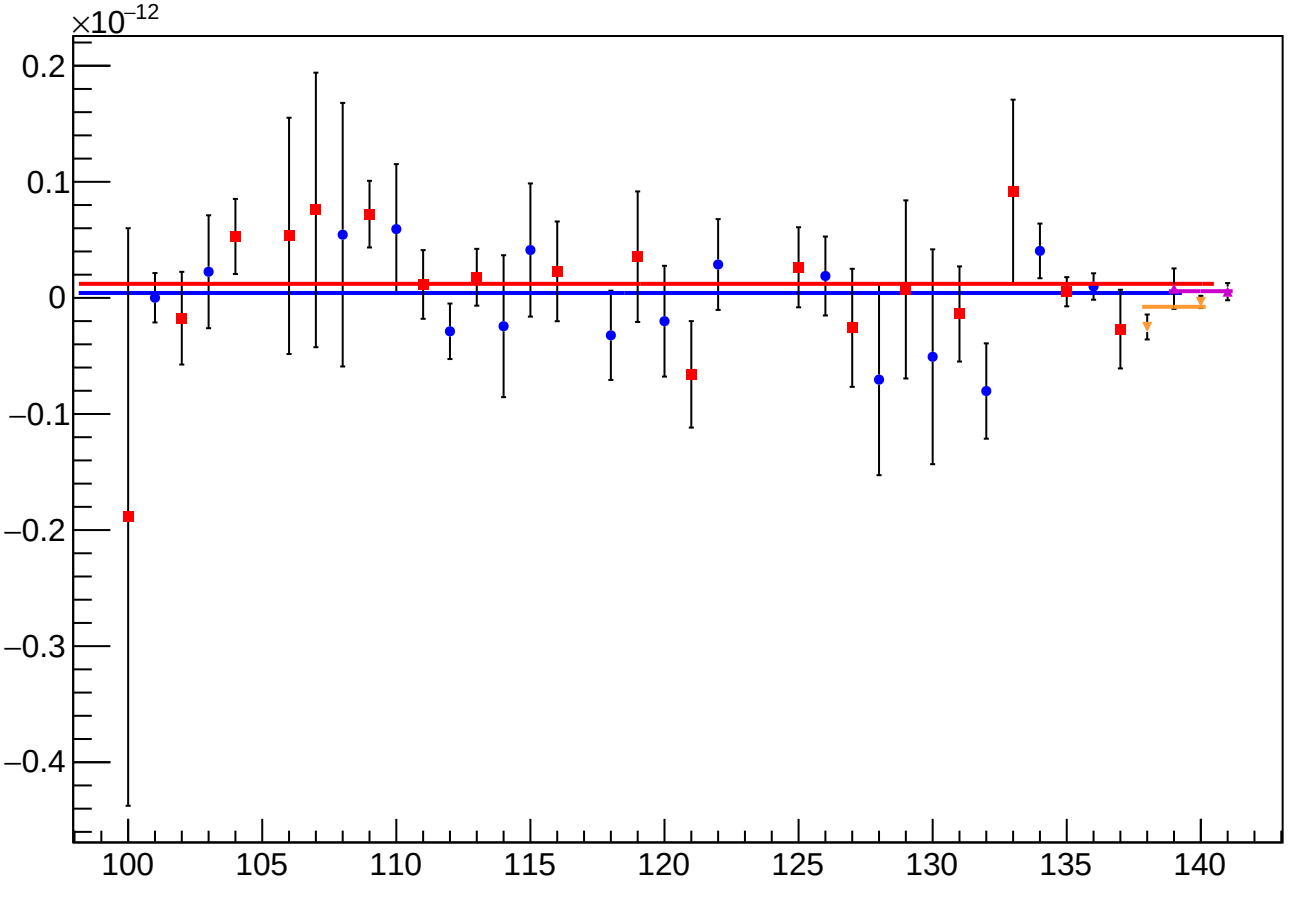
Left: 43.614+/-0.018 χ^2/NDF: 128109.7/3

Right: 41.147+/-0.008 χ^2/NDF: 231949.1/33

In: 40.981+/-0.010 χ^2/NDF:153673.2/17

Out: 42.165+/-0.010 χ^2/NDF:216021.9/19

All: 41.555+/-0.007 χ^2/NDF: 376570.7/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/1

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

Left: -0.000+/-0.000 χ^2/NDF: 5.9/3

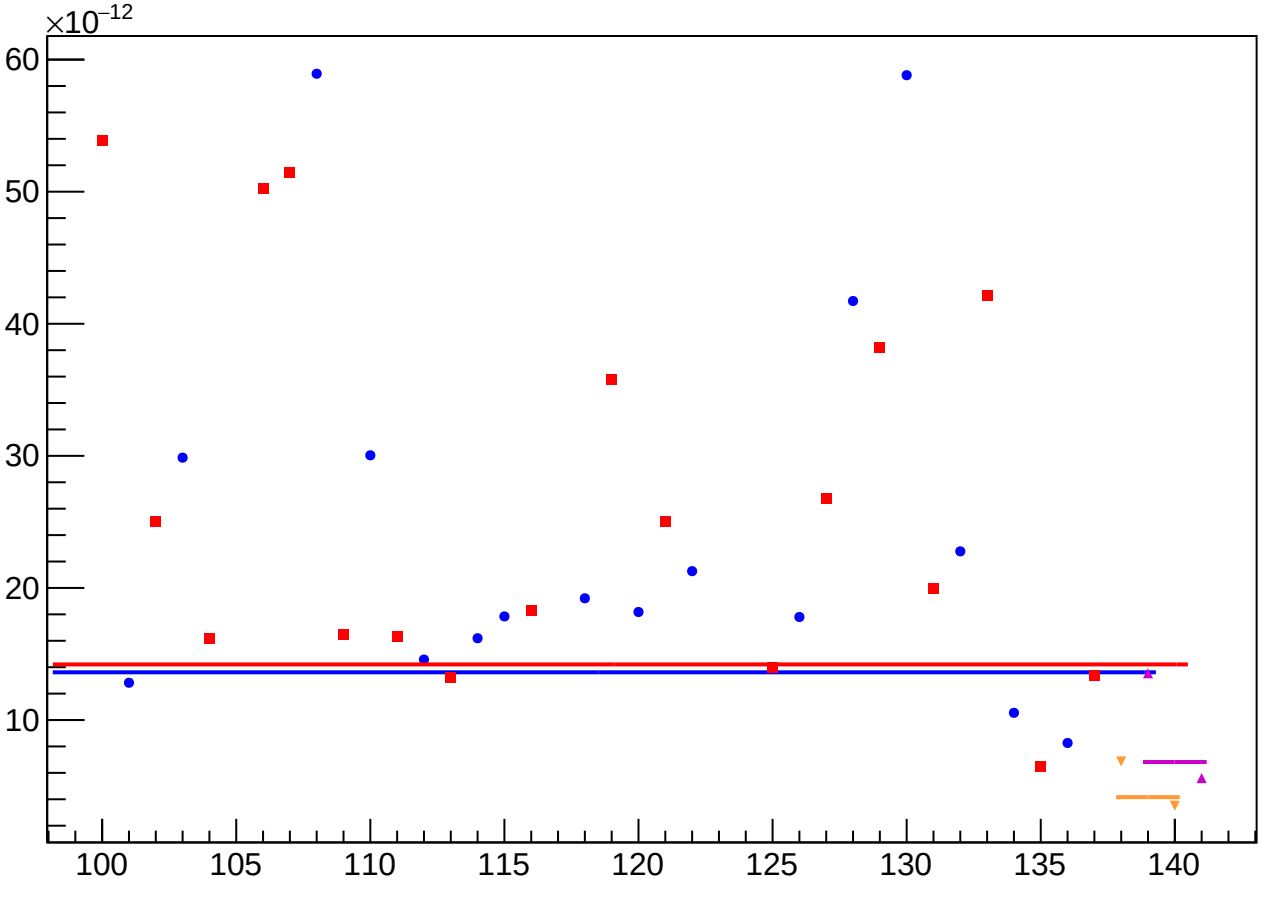
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:13.7/17

Out: -0.000+/-0.000 χ^2/NDF:22.5/19

All: 0.000+/-0.000 χ^2/NDF: 37.5/37

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:157300.5/1

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

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

Left: 0.000+/-0.000 χ^2/NDF: 715042.5/3

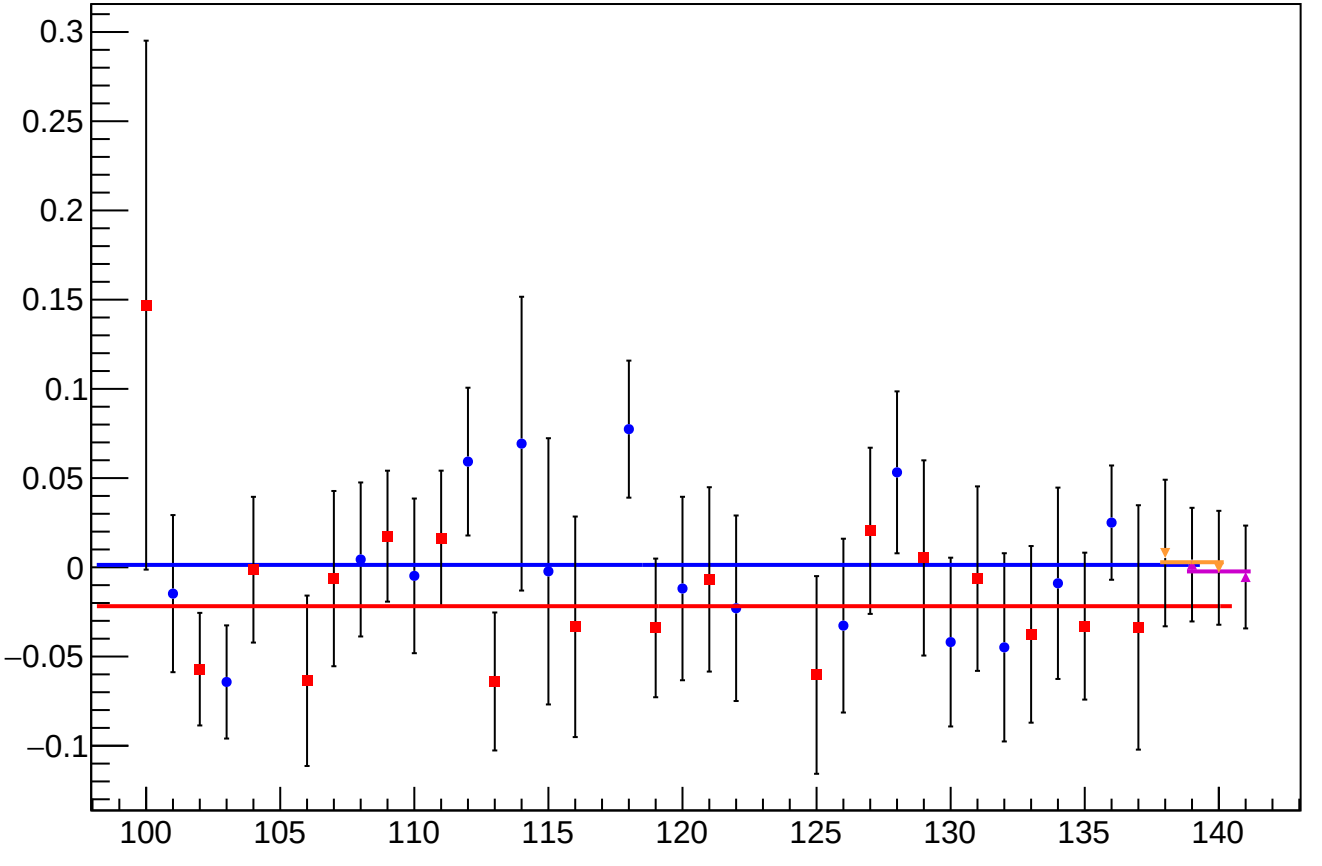
Right: 0.000+/-0.000 χ^2/NDF: 4666493.6/33

In: 0.000+/-0.000 χ^2/NDF:3455813.4/17

Out: 0.000+/-0.000 χ^2/NDF:5061508.2/19

All: 0.000+/-0.000 χ^2/NDF: 8975530.8/37

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.003+/-0.025 χ^2/NDF:0.0/1

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

Left In: -0.002+/-0.021 χ^2/NDF:0.0/1

Left: -0.000+/-0.016 χ^2/NDF: 0.1/3

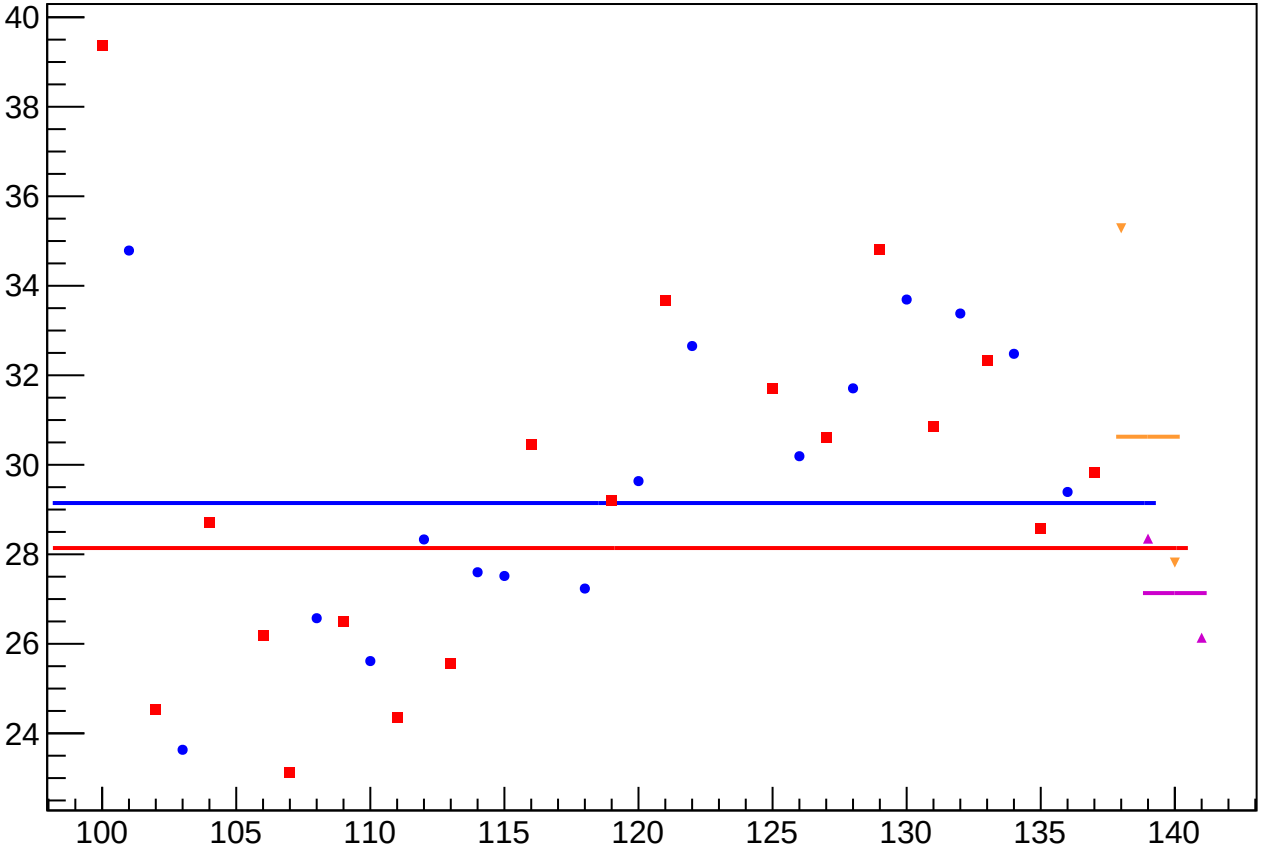
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.001+/-0.010 χ^2/NDF:15.3/17

Out: -0.018+/-0.010 χ^2/NDF:9.9/19

All: -0.009+/-0.007 χ^2/NDF: 26.9/37

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 30.628+/-0.018 χ^2/NDF:41237.8/1

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

Left In: 27.134+/-0.015 χ^2/NDF:5314.6/1

Left: 28.595+/-0.012 χ^2/NDF: 68918.3/3

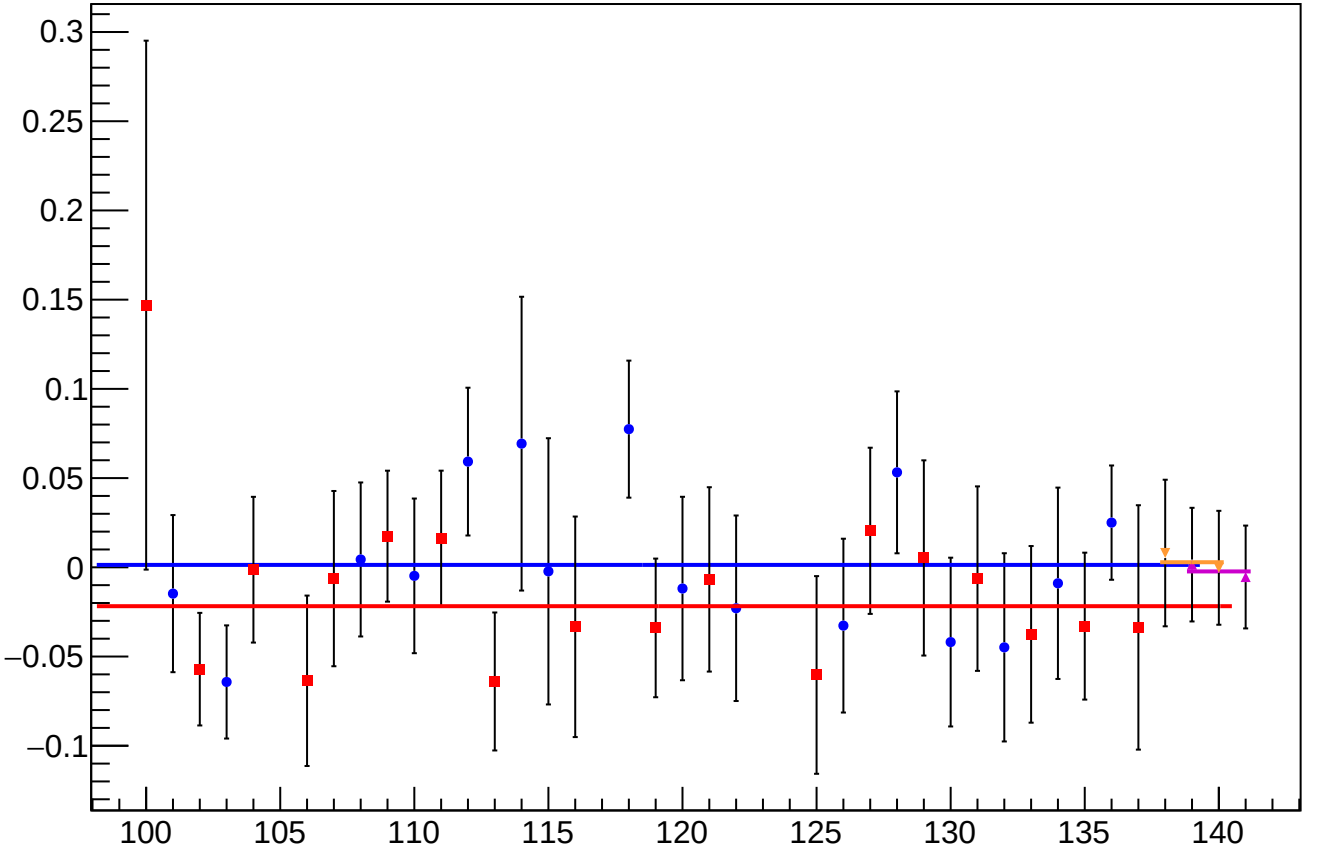
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.711+/-0.007 χ^2/NDF:196109.3/17

Out: 28.525+/-0.007 χ^2/NDF:244813.5/19

All: 28.618+/-0.005 χ^2/NDF: 441275.8/37

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.003+/-0.025 χ^2/NDF:0.0/1

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

Left In: -0.002+/-0.021 χ^2/NDF:0.0/1

Left: -0.000+/-0.016 χ^2/NDF: 0.1/3

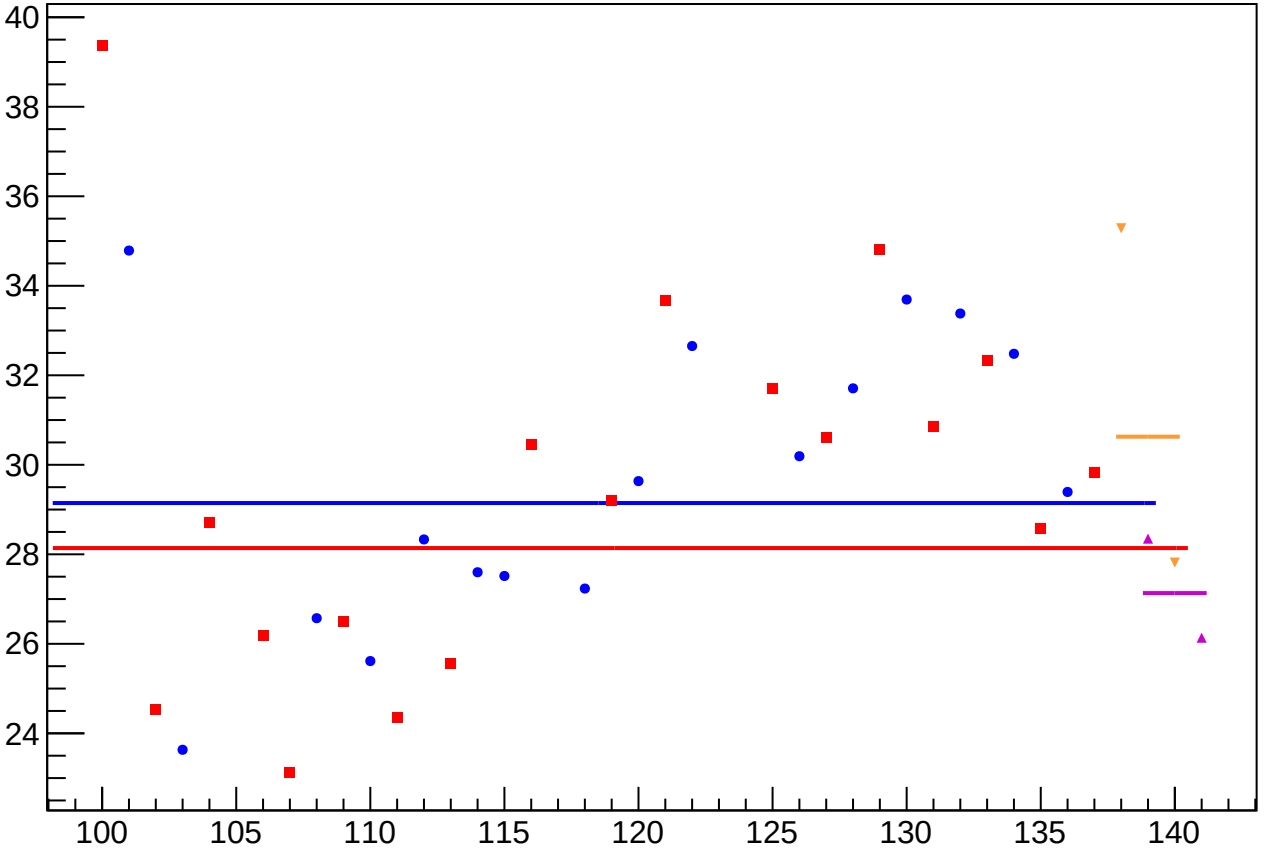
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.001+/-0.010 χ^2/NDF:15.3/17

Out: -0.018+/-0.010 χ^2/NDF:9.9/19

All: -0.009+/-0.007 χ^2/NDF: 26.9/37

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 30.628+/-0.018 χ^2/NDF:41237.8/1

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

Left In: 27.134+/-0.015 χ^2/NDF:5314.6/1

Left: 28.595+/-0.012 χ^2/NDF: 68918.3/3

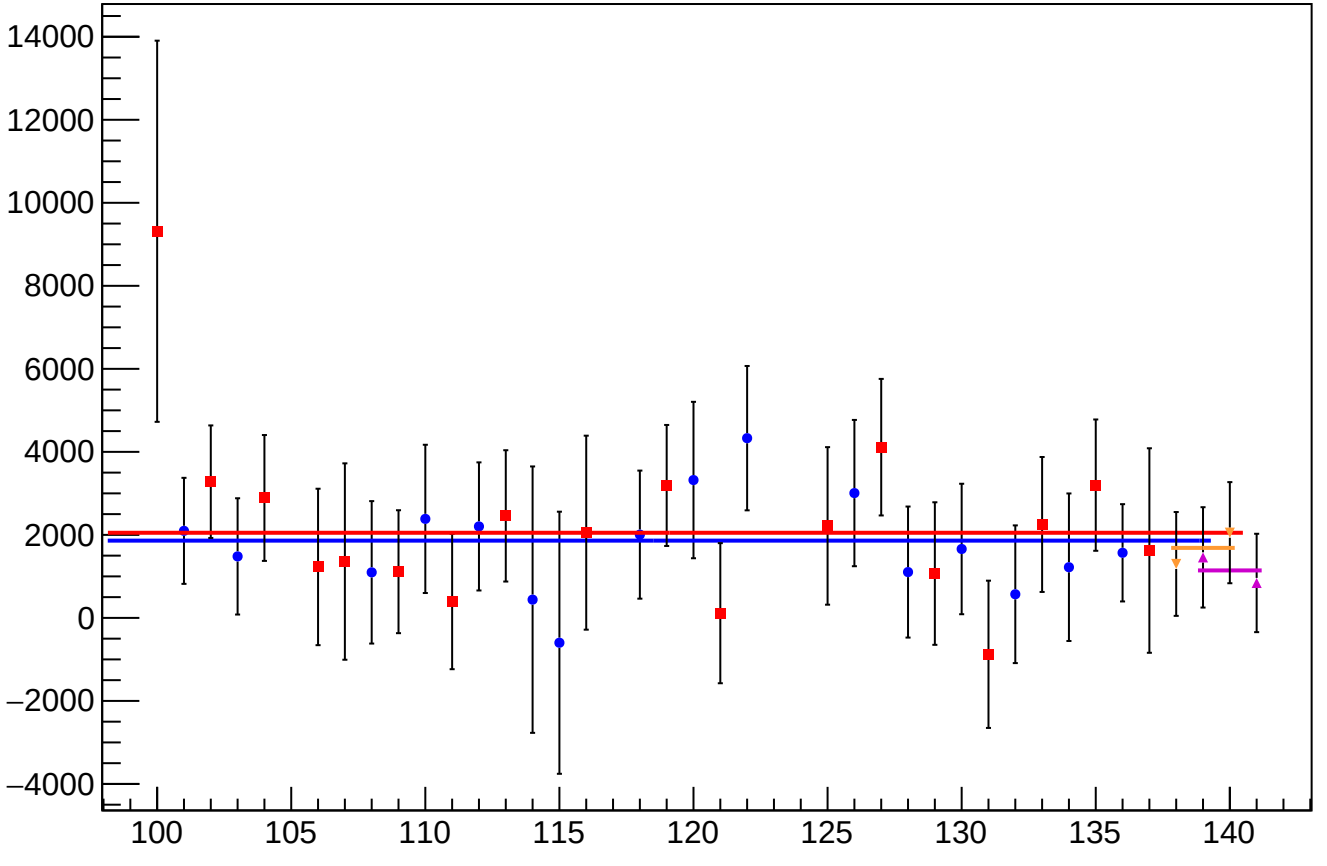
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.711+/-0.007 χ^2/NDF:196109.3/17

Out: 28.525+/-0.007 χ^2/NDF:244813.5/19

All: 28.618+/-0.005 χ^2/NDF: 441275.8/37

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1686.379+/-872.650 χ^2/NDF:0.2/1

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

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

Left: 1406.701+/-607.478 χ^2/NDF: 0.5/3

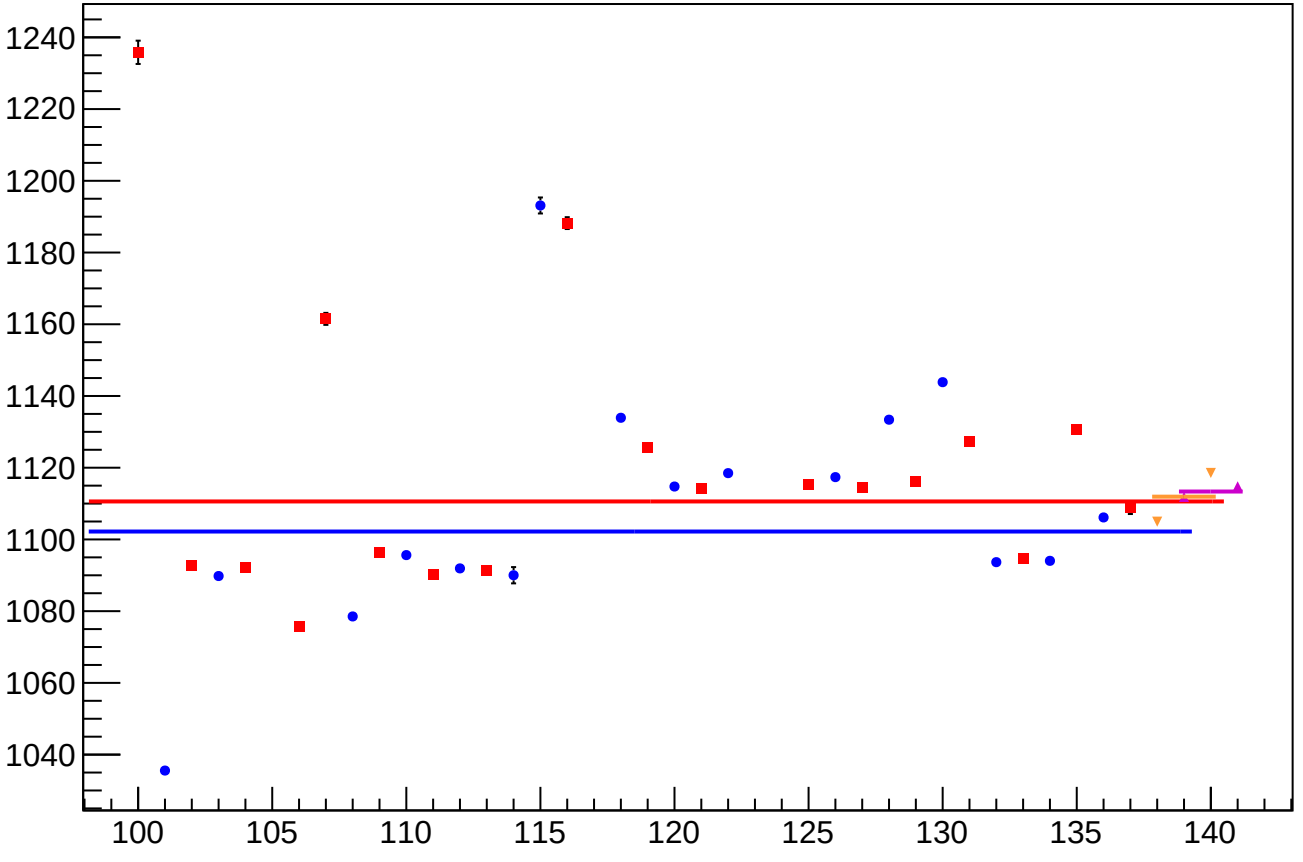
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1725.304+/-368.622 χ^2/NDF:6.1/17

Out: 1985.135+/-370.526 χ^2/NDF:12.9/19

All: 1854.550+/-261.326 χ^2/NDF: 19.2/37

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1111.927+/-0.617 χ^2/NDF:121.2/1

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

Left In: 1113.359+/-0.598 χ^2/NDF:6.2/1

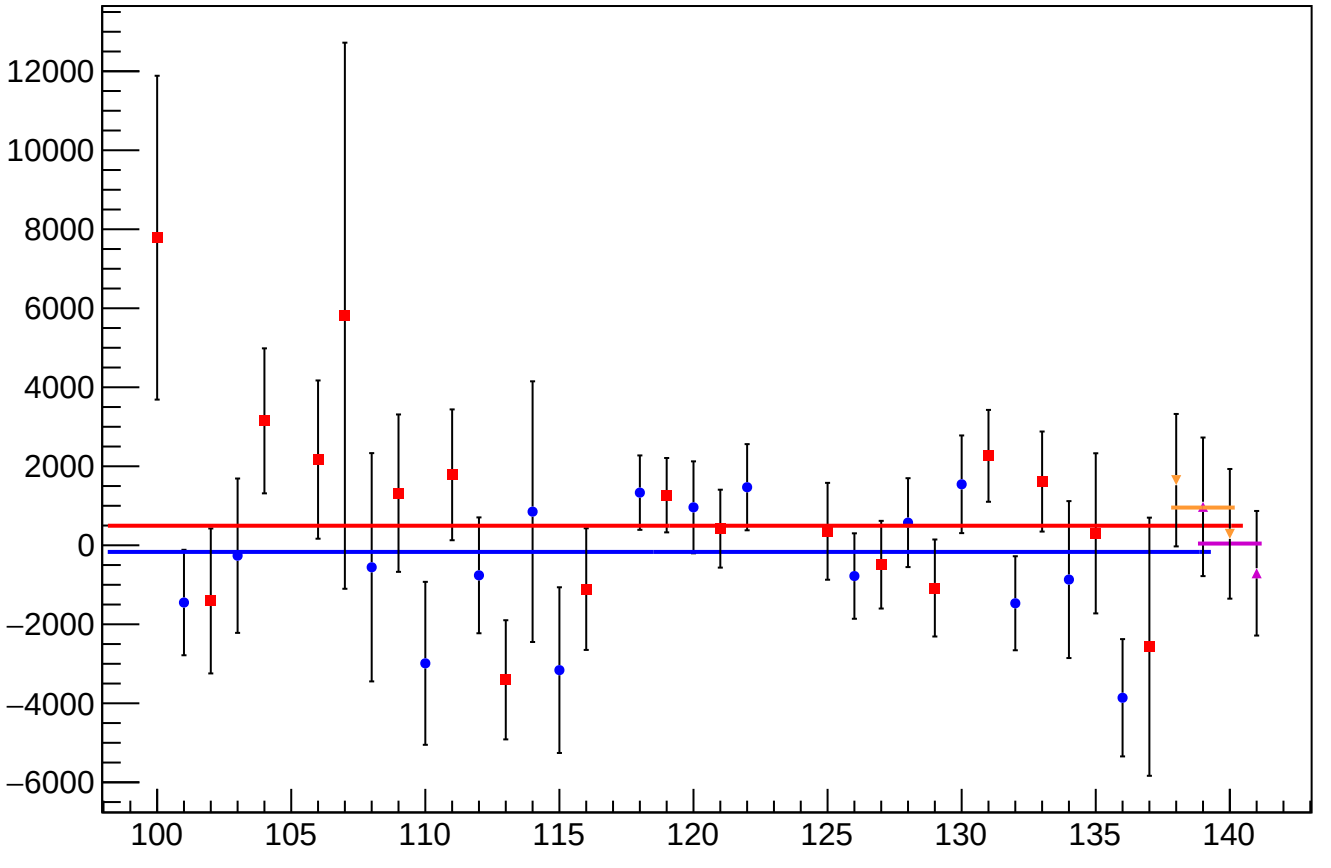
Left: 1112.665+/-0.430 χ^2/NDF: 130.1/3

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1104.322+/-0.261 χ^2/NDF:11636.7/17

Out: 1110.833+/-0.262 χ^2/NDF:7821.1/19

All: 1107.560+/-0.185 χ^2/NDF: 19768.0/37



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

Left Out: 954.983+/-1172.851 χ^2/NDF:0.3/1

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

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

Left: 499.335+/-829.313 χ^2/NDF: 1.1/3

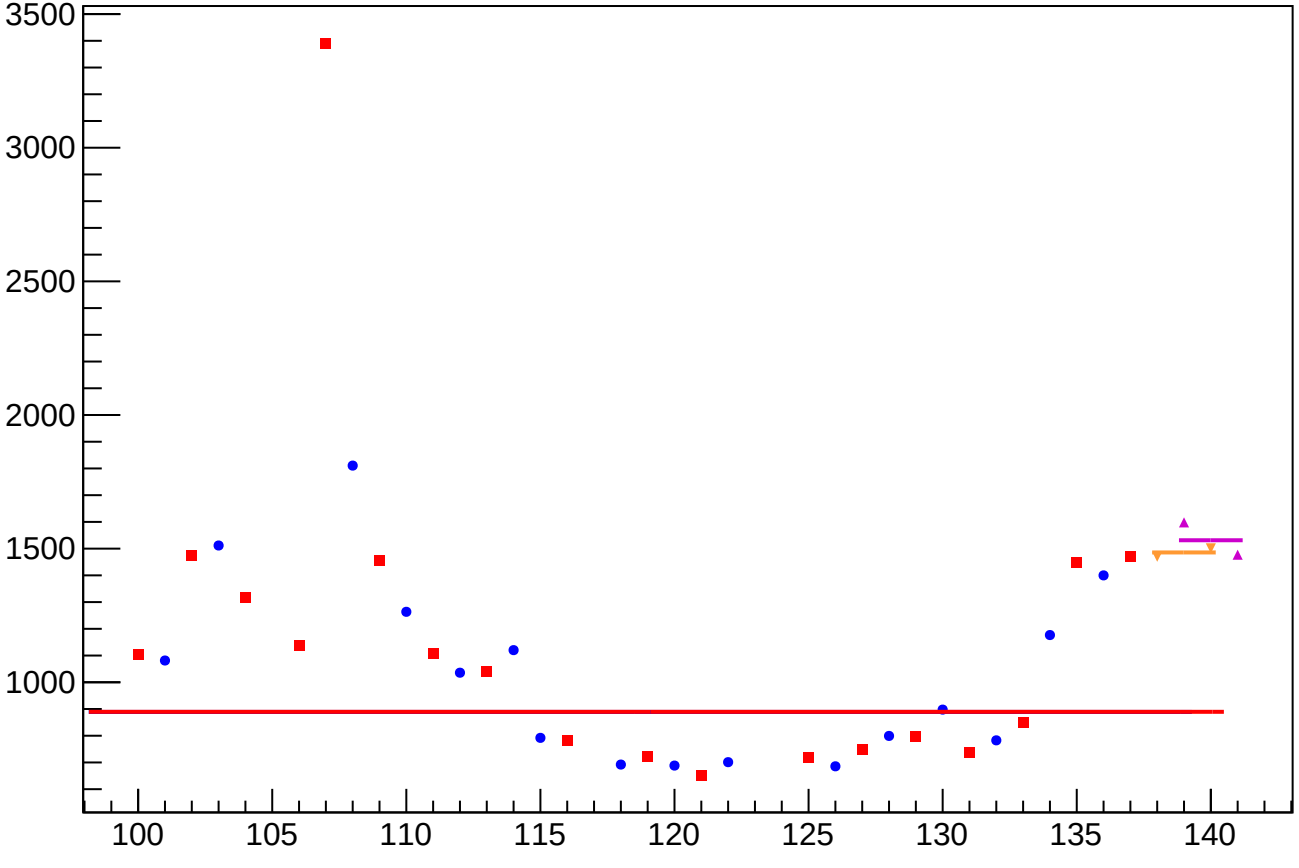
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -150.998+/-331.366 χ^2/NDF:21.5/17

Out: 531.801+/-331.026 χ^2/NDF:23.8/19

All: 190.752+/-234.191 χ^2/NDF: 47.4/37

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1485.715+/-0.829 χ^2/NDF:359.0/1

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

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

Left: 1508.541+/-0.586 χ^2/NDF: 7129.5/3

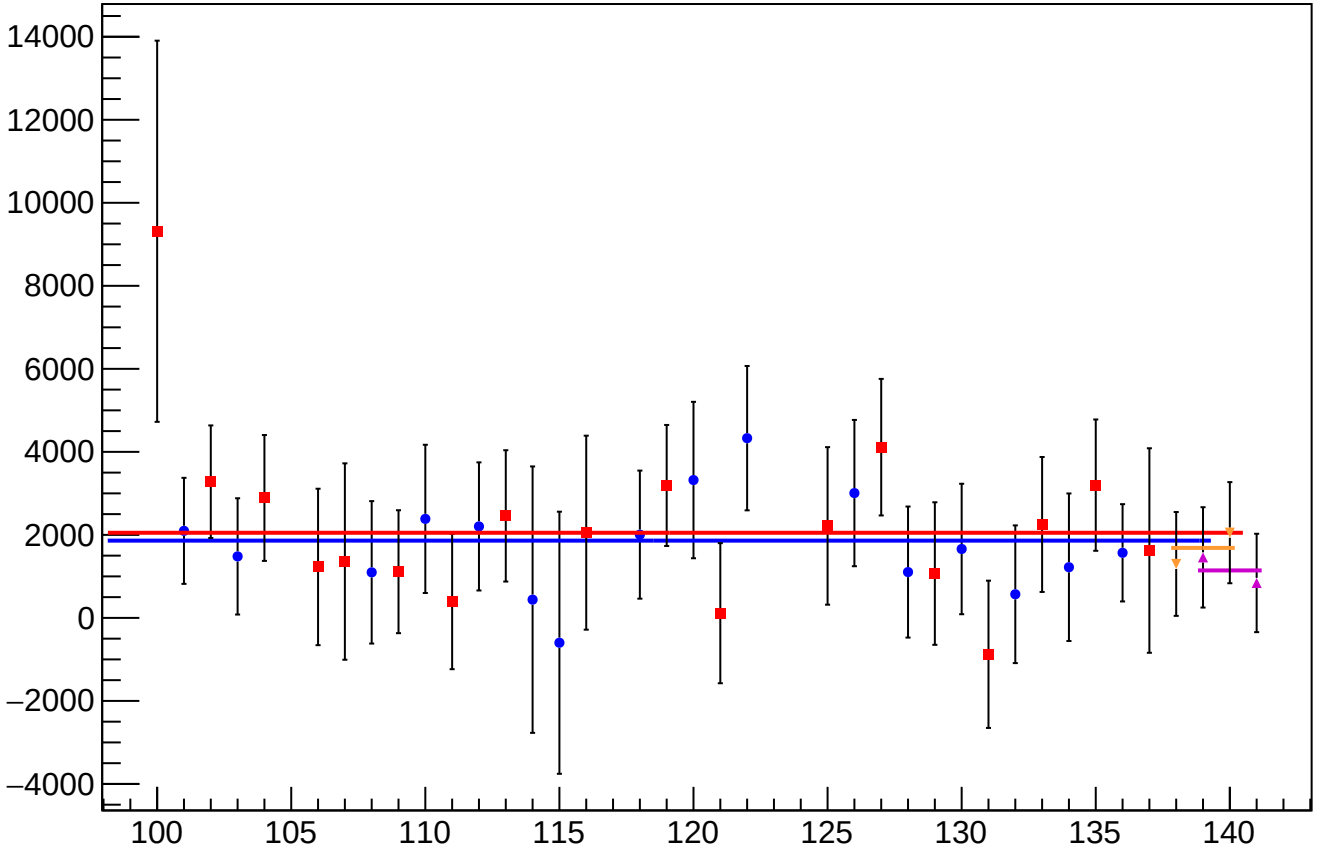
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 940.240+/-0.234 χ^2/NDF:1690193.3/17

Out: 936.974+/-0.234 χ^2/NDF:1821807.1/19

All: 938.605+/-0.166 χ^2/NDF: 3512097.6/37

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1686.379+/-872.650 χ^2/NDF:0.2/1

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

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

Left: 1406.701+/-607.478 χ^2/NDF: 0.5/3

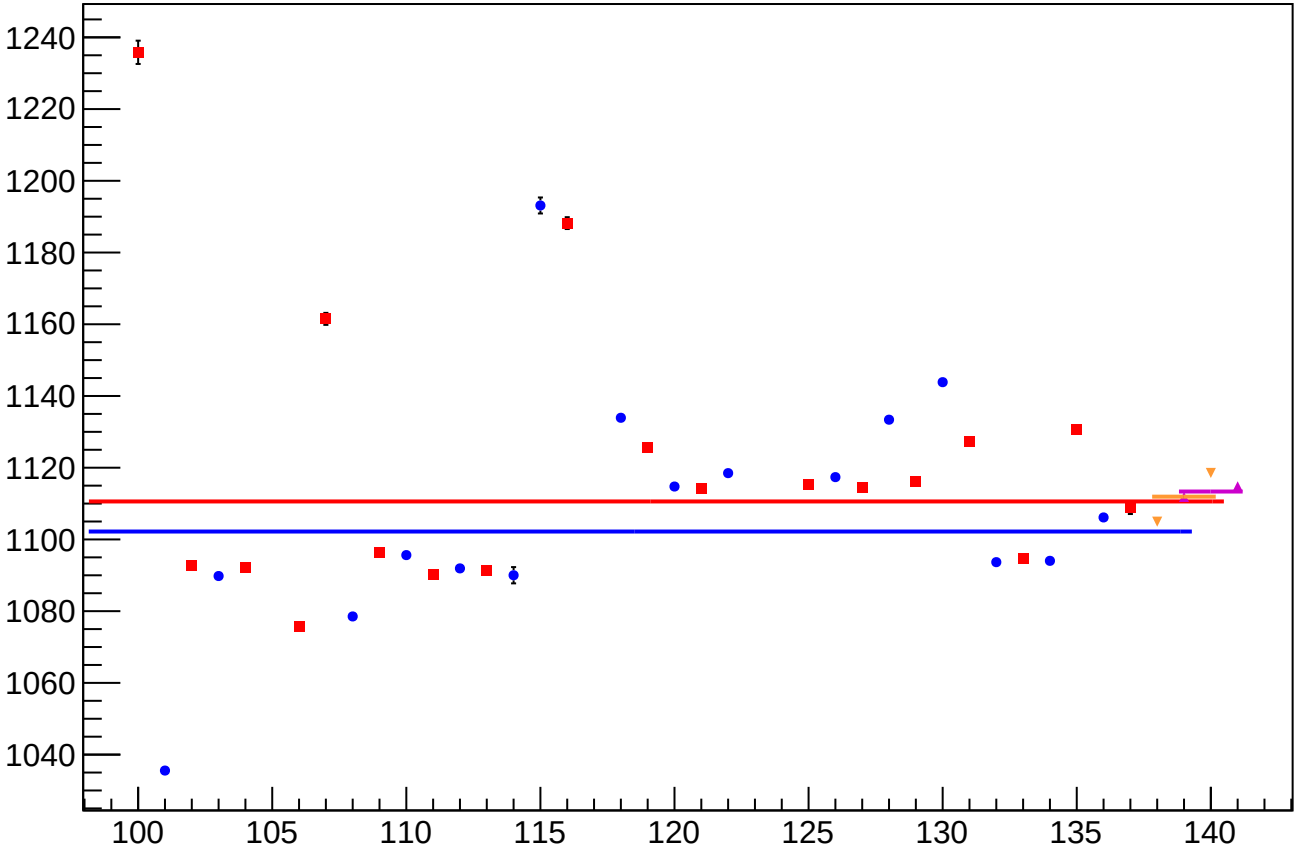
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1725.304+/-368.622 χ^2/NDF:6.1/17

Out: 1985.135+/-370.526 χ^2/NDF:12.9/19

All: 1854.550+/-261.326 χ^2/NDF: 19.2/37

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1111.927+/-0.617 χ^2/NDF:121.2/1

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

Left In: 1113.359+/-0.598 χ^2/NDF:6.2/1

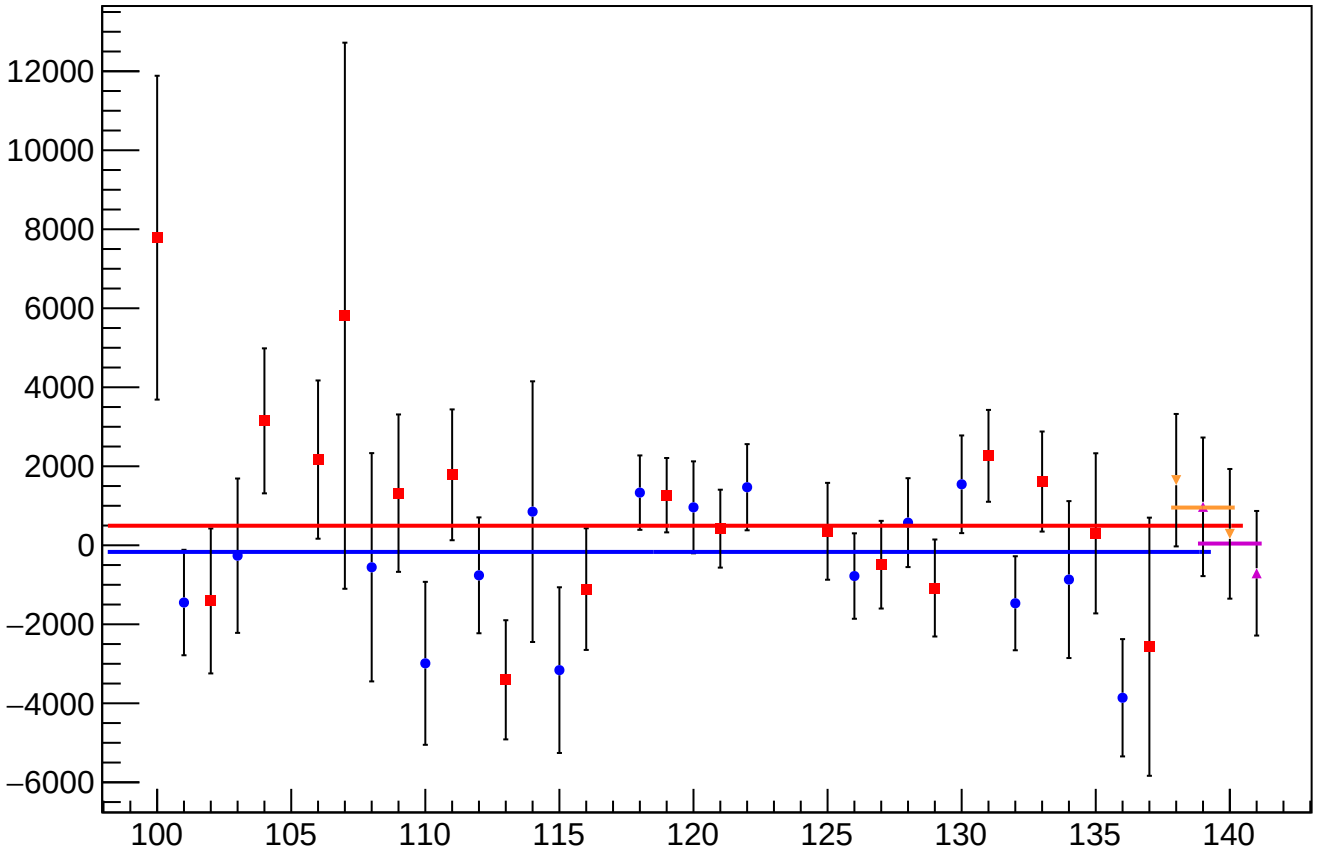
Left: 1112.665+/-0.430 χ^2/NDF: 130.1/3

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1104.322+/-0.261 χ^2/NDF:11636.7/17

Out: 1110.833+/-0.262 χ^2/NDF:7821.1/19

All: 1107.560+/-0.185 χ^2/NDF: 19768.0/37



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

Left Out: 954.983+/-1172.851 χ^2/NDF:0.3/1

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

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

Left: 499.335+/-829.313 χ^2/NDF: 1.1/3

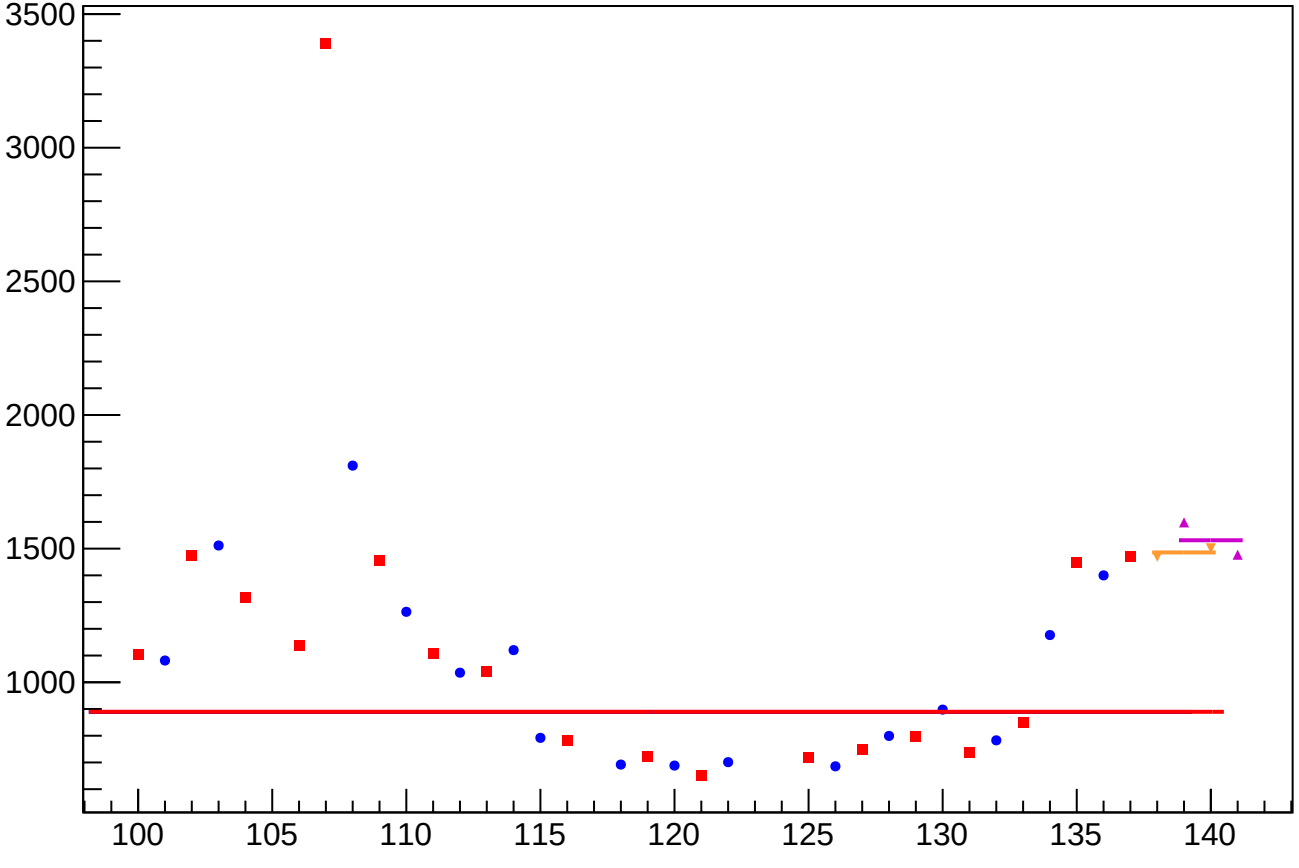
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -150.998+/-331.366 χ^2/NDF:21.5/17

Out: 531.801+/-331.026 χ^2/NDF:23.8/19

All: 190.752+/-234.191 χ^2/NDF: 47.4/37

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1485.715+/-0.829 χ^2/NDF:359.0/1

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

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

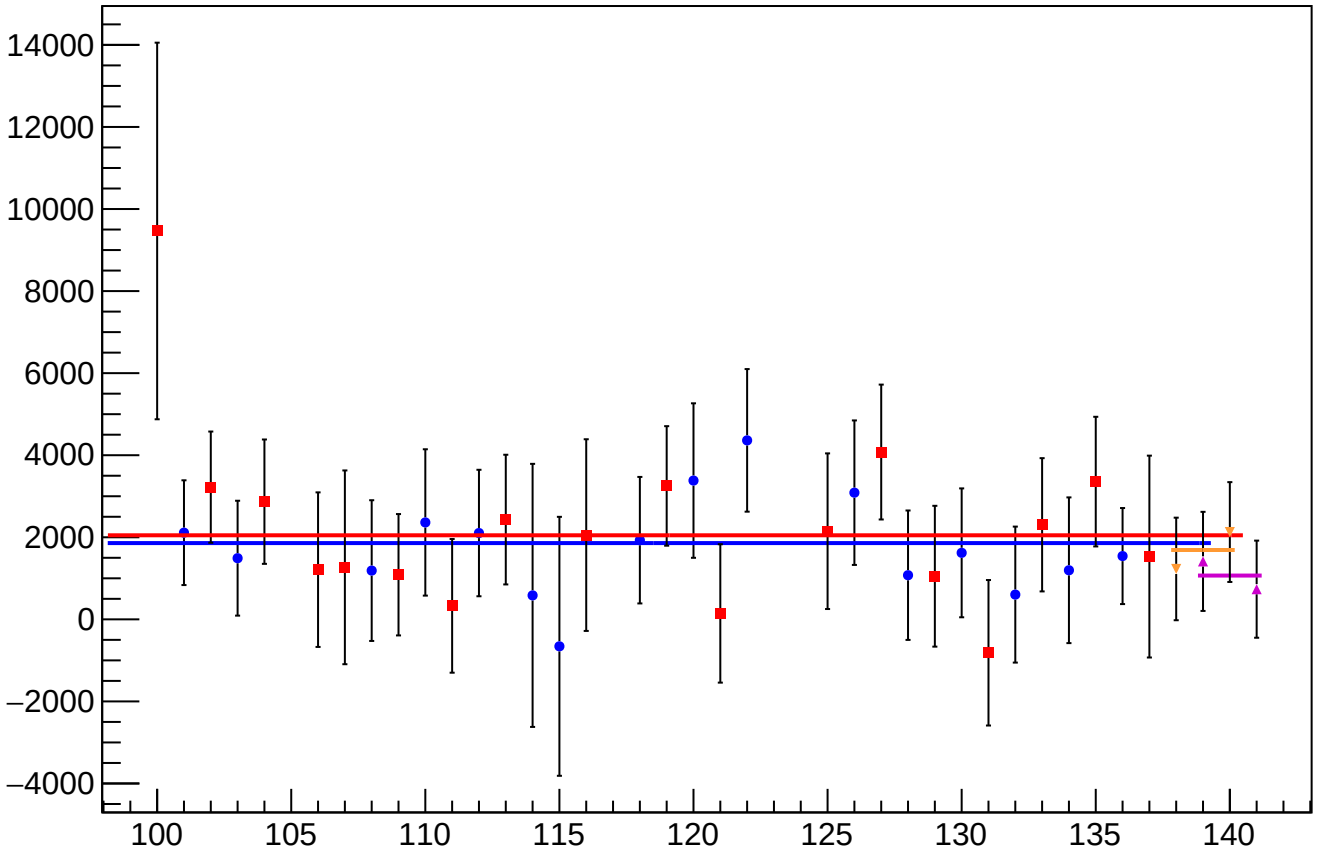
Left: 1508.541+/-0.586 χ^2/NDF: 7129.5/3

Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 940.240+/-0.234 χ^2/NDF:1690193.3/17

Out: 936.974+/-0.234 χ^2/NDF:1821807.1/19

All: 938.605+/-0.166 χ^2/NDF: 3512097.6/37



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

Left Out: 1690.101+/-871.676 χ^2/NDF:0.3/1

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

Left In: 1067.131+/-845.217 χ^2/NDF:0.2/1

Left: 1369.018+/-606.797 χ^2/NDF: 0.7/3

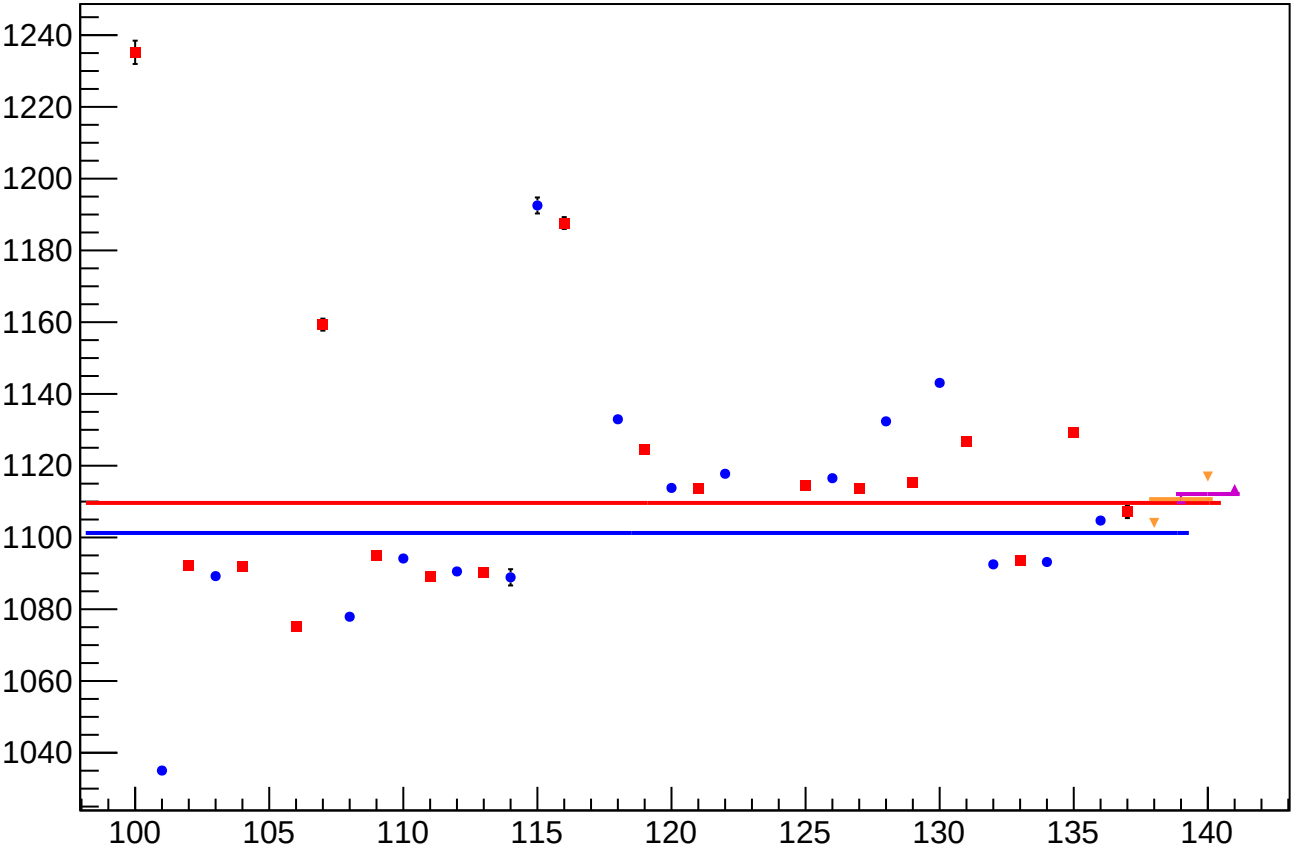
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1708.399+/-368.285 χ^2/NDF:6.3/17

Out: 1984.003+/-370.188 χ^2/NDF:13.1/19

All: 1845.491+/-261.087 χ^2/NDF: 19.7/37

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.689+/-0.616 χ^2/NDF:109.9/1

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

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

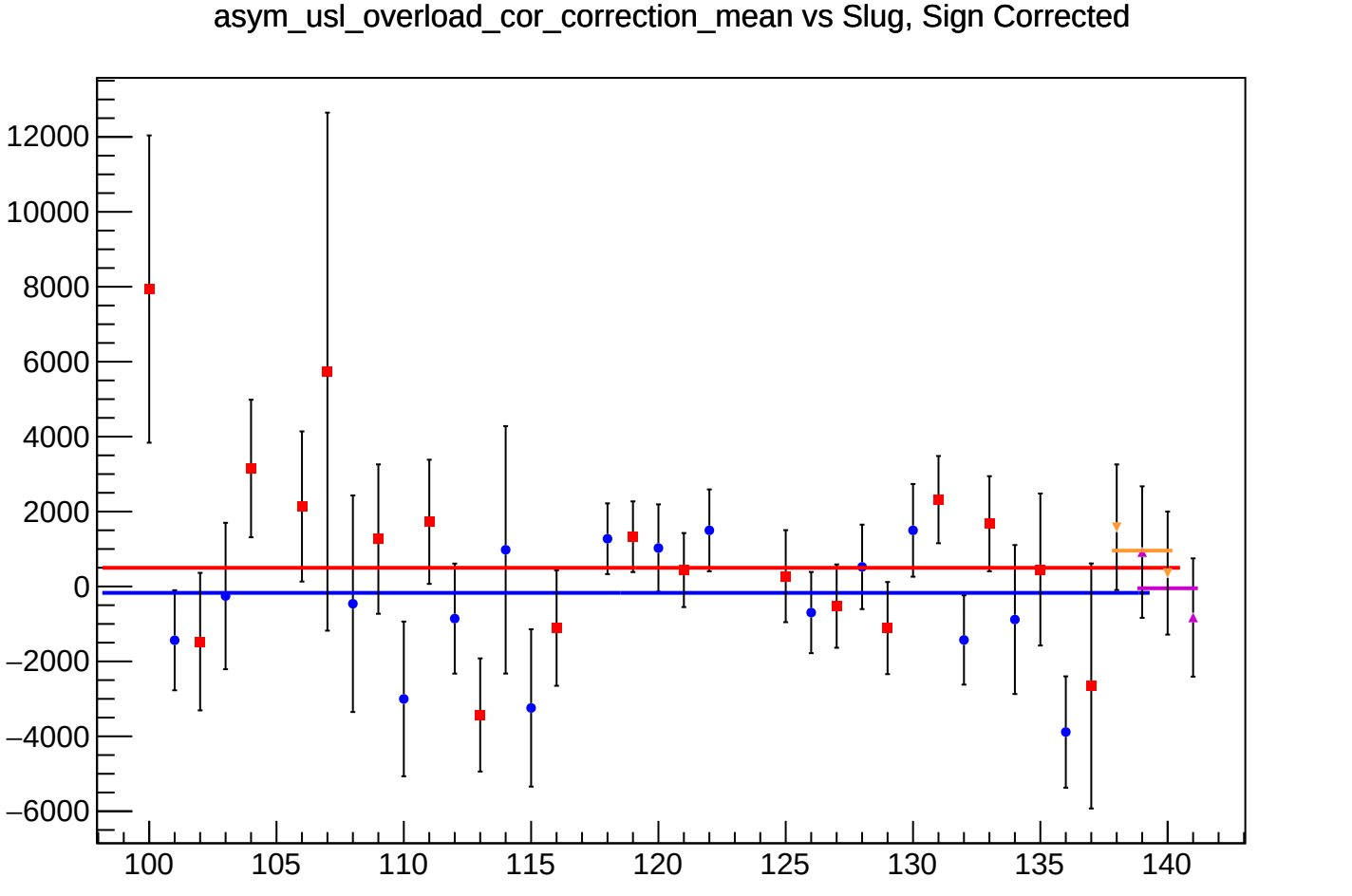
Left: 1111.421+/-0.429 χ^2/NDF: 118.2/3

Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

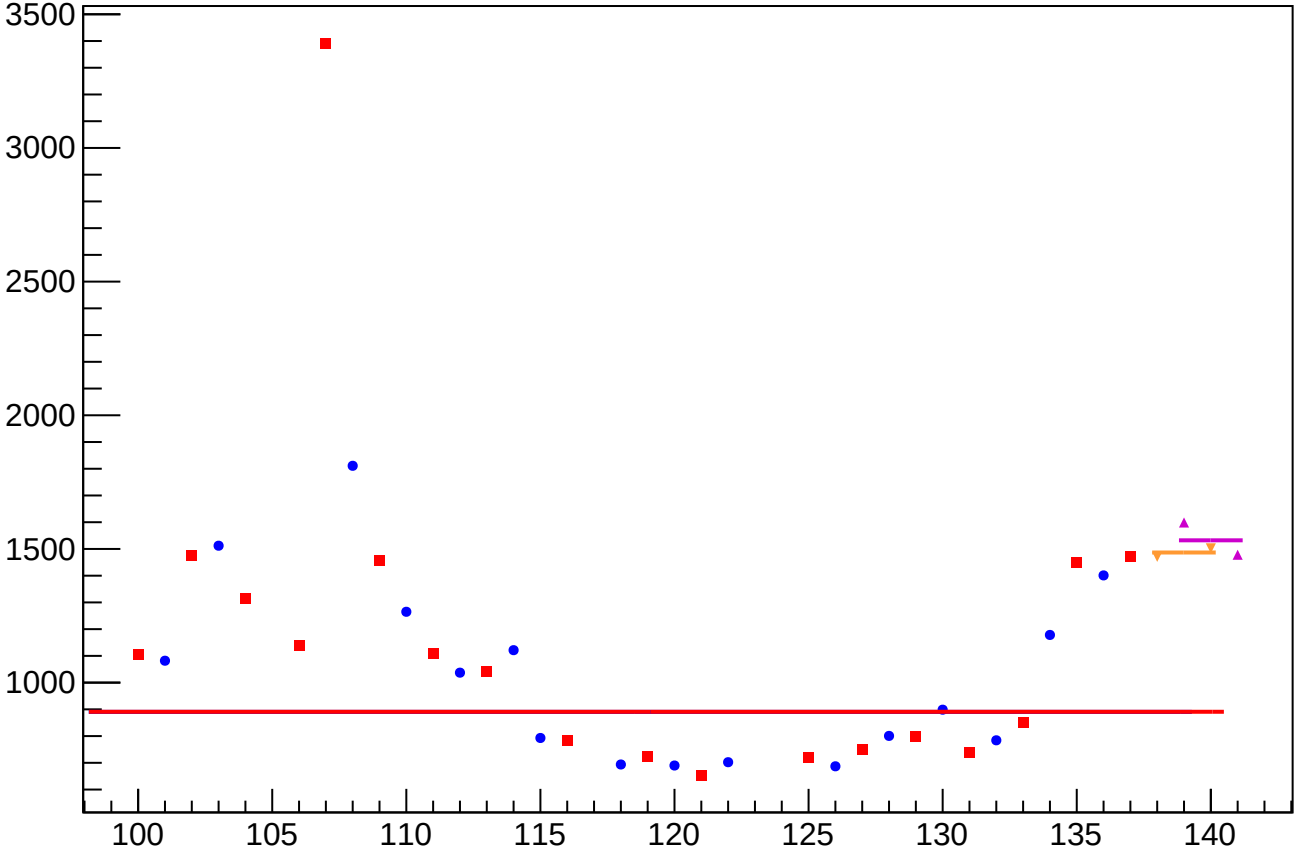
In: 1103.315+/-0.260 χ^2/NDF:11581.1/17

Out: 1109.820+/-0.262 χ^2/NDF:7785.4/19

All: 1106.551+/-0.185 χ^2/NDF: 19676.8/37


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
105
110
115
120
125
130
135
140
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: 956.987+/-1173.607 χ²/NDF:0.3/1
Right Out: 497.957+/-345.565 χ²/NDF: 23.9/17
Left In: -47.613+/-1173.493 χ²/NDF:0.5/1
Left: 454.638+/-829.825 χ²/NDF: 1.2/3
Right: 163.915+/-244.498 χ²/NDF: 46.7/33
In: -161.068+/-331.858 χ²/NDF:21.5/17
Out: 534.579+/-331.494 χ²/NDF:24.3/19
All: 187.137+/-234.530 χ²/NDF: 48.0/37

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1486.693+/-0.830 χ^2/NDF:366.9/1

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

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

Left: 1509.493+/-0.587 χ^2/NDF: 7097.7/3

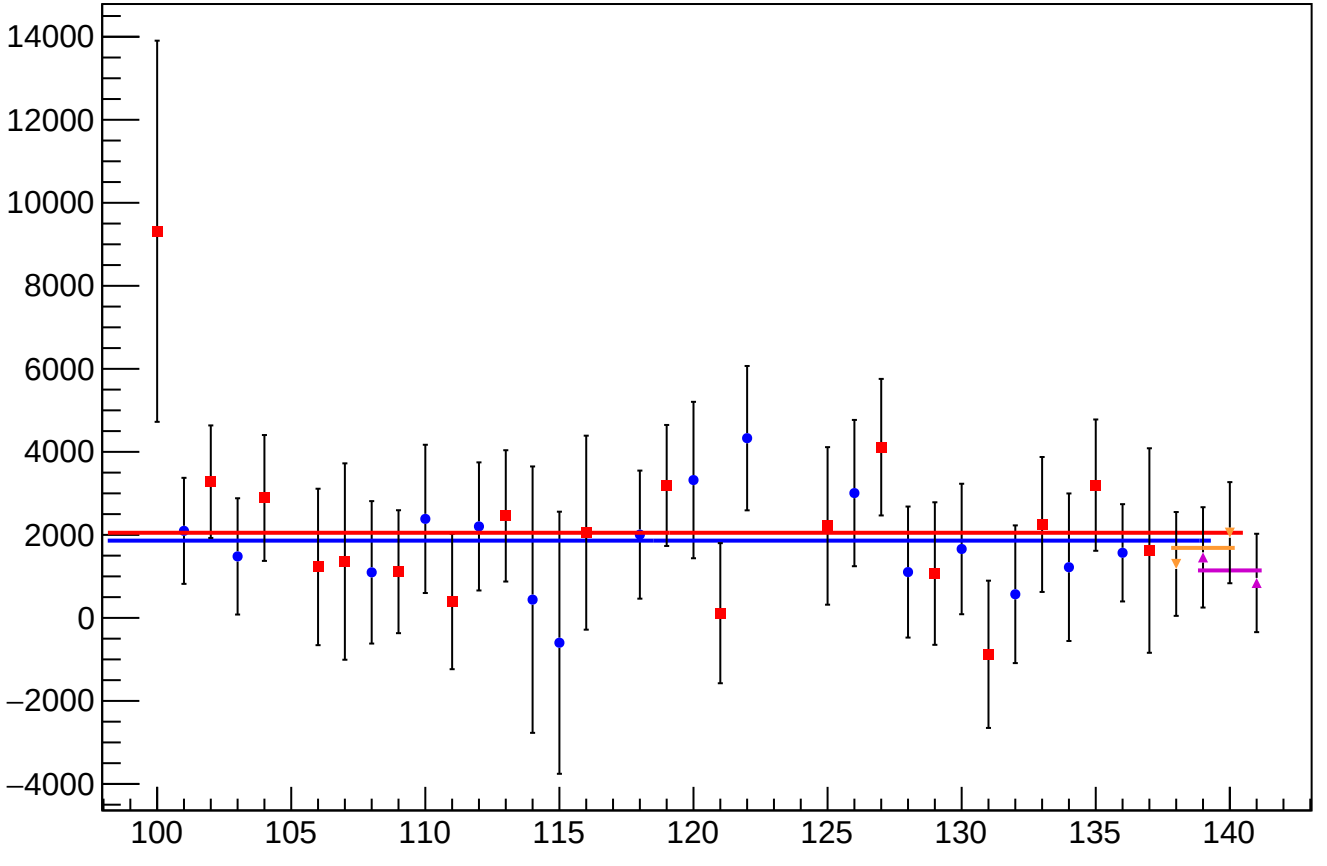
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 941.821+/-0.235 χ^2/NDF:1684339.1/17

Out: 938.469+/-0.234 χ^2/NDF:1816424.7/19

All: 940.143+/-0.166 χ^2/NDF: 3500865.9/37

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1686.379+/-872.650 χ^2/NDF:0.2/1

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

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

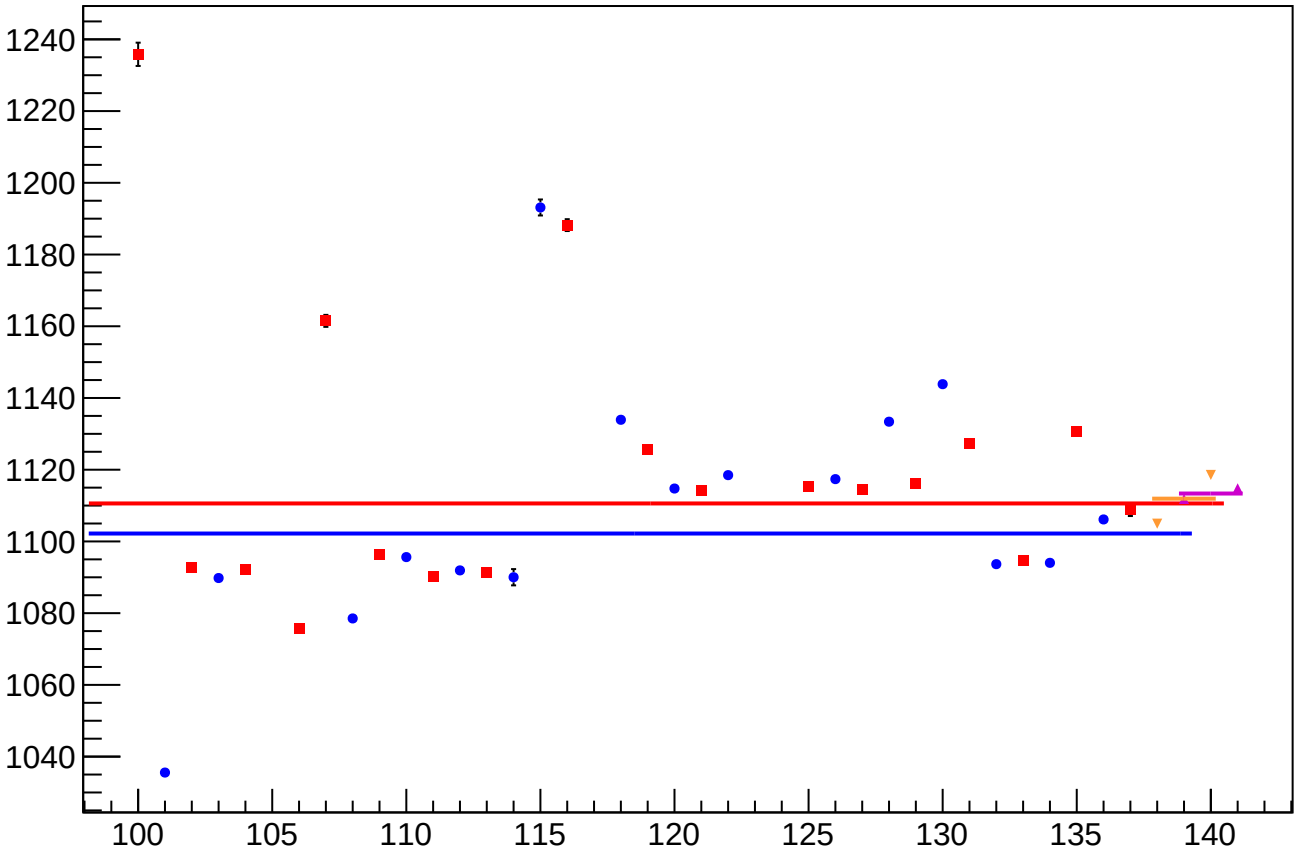
Left: 1406.701+/-607.478 χ^2/NDF: 0.5/3

Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1725.304+/-368.622 χ^2/NDF:6.1/17

Out: 1985.135+/-370.526 χ^2/NDF:12.9/19

All: 1854.550+/-261.326 χ^2/NDF: 19.2/37



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

Left Out: 1111.927+/-0.617 χ^2/NDF:121.2/1

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

Left In: 1113.359+/-0.598 χ^2/NDF:6.2/1

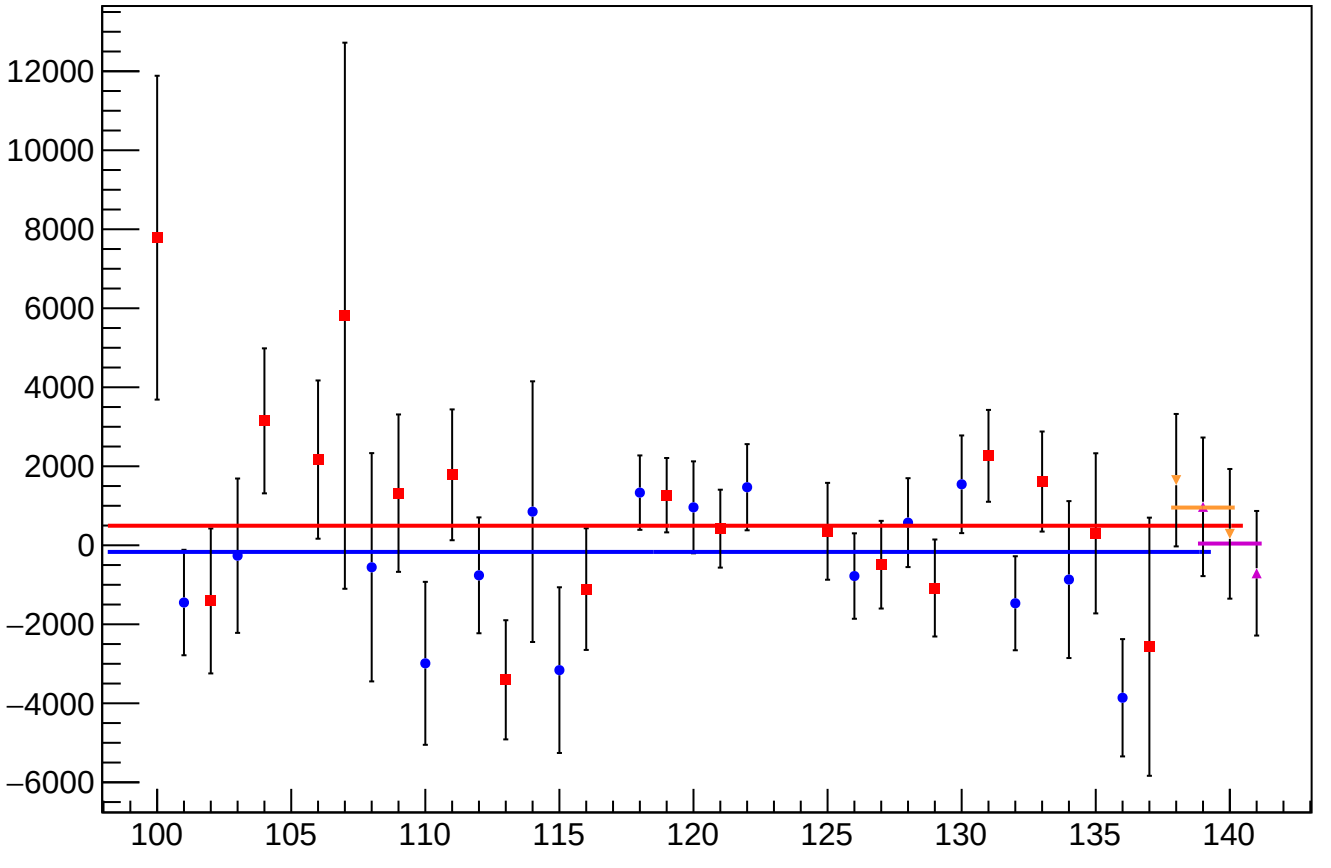
Left: 1112.665+/-0.430 χ^2/NDF: 130.1/3

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1104.322+/-0.261 χ^2/NDF:11636.7/17

Out: 1110.833+/-0.262 χ^2/NDF:7821.1/19

All: 1107.560+/-0.185 χ^2/NDF: 19768.0/37



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

Left Out: 954.983+/-1172.851 χ^2/NDF:0.3/1

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

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

Left: 499.335+/-829.313 χ^2/NDF: 1.1/3

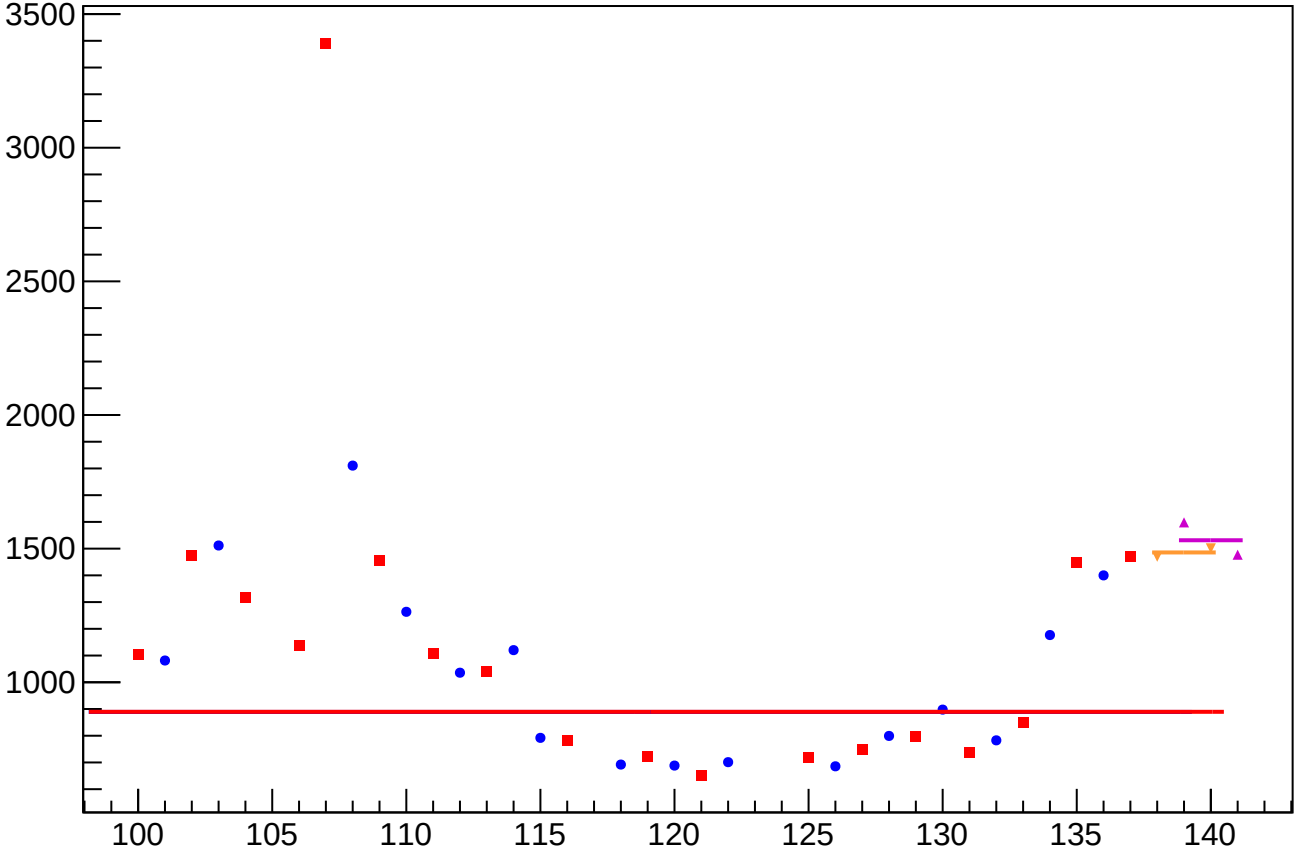
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -150.998+/-331.366 χ^2/NDF:21.5/17

Out: 531.801+/-331.026 χ^2/NDF:23.8/19

All: 190.752+/-234.191 χ^2/NDF: 47.4/37

asym_usl_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1485.715+/-0.829 χ^2/NDF:359.0/1

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

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

Left: 1508.541+/-0.586 χ^2/NDF: 7129.5/3

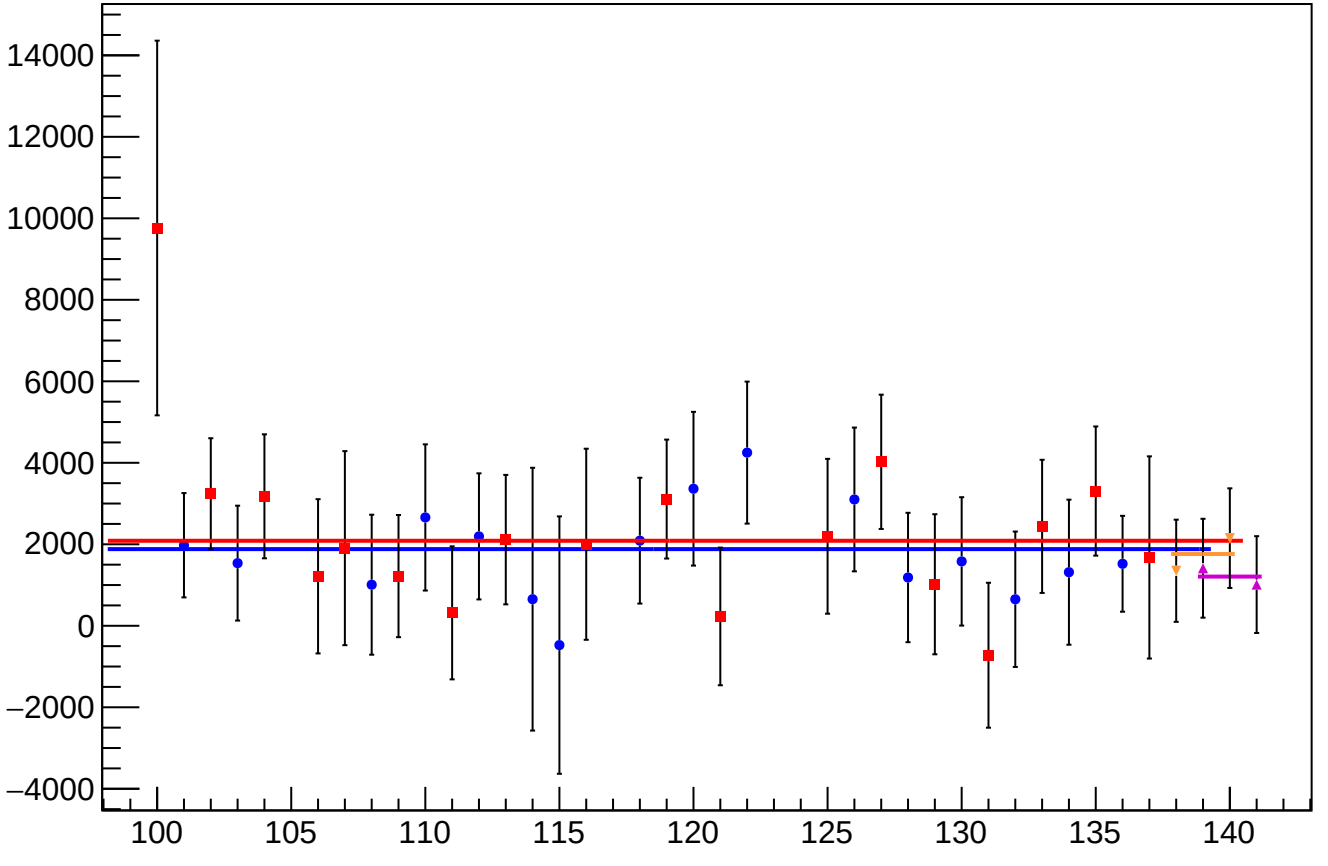
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 940.240+/-0.234 χ^2/NDF:1690193.3/17

Out: 936.974+/-0.234 χ^2/NDF:1821807.1/19

All: 938.605+/-0.166 χ^2/NDF: 3512097.6/37

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1760.924+/-875.195 χ^2/NDF:0.2/1

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

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

Left: 1475.761+/-609.290 χ^2/NDF: 0.5/3

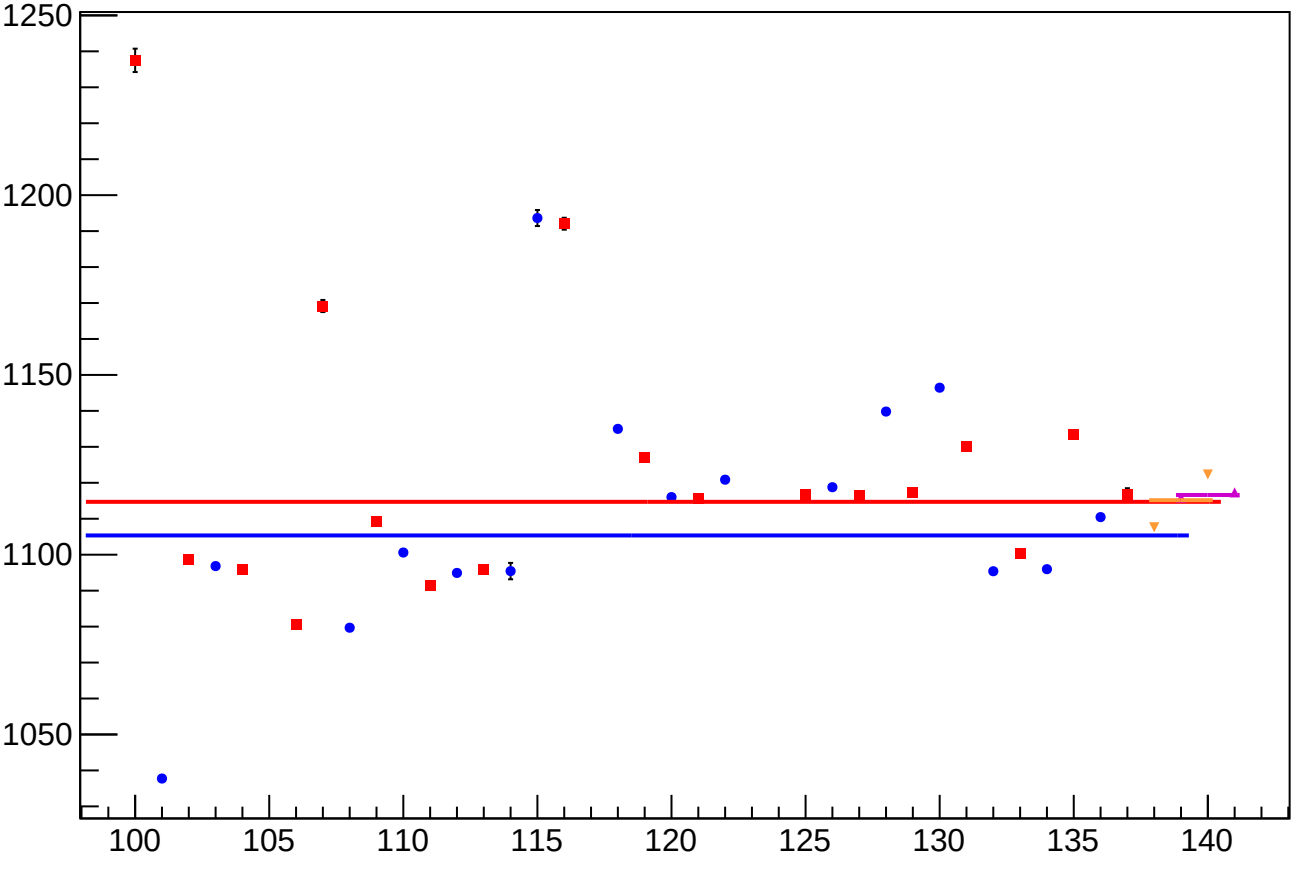
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1753.658+/-369.693 χ^2/NDF:5.8/17

Out: 2028.040+/-371.861 χ^2/NDF:12.7/19

All: 1890.046+/-262.176 χ^2/NDF: 18.7/37

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1115.153+/-0.619 χ^2/NDF:140.9/1

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

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

Left: 1115.904+/-0.431 χ^2/NDF: 145.3/3

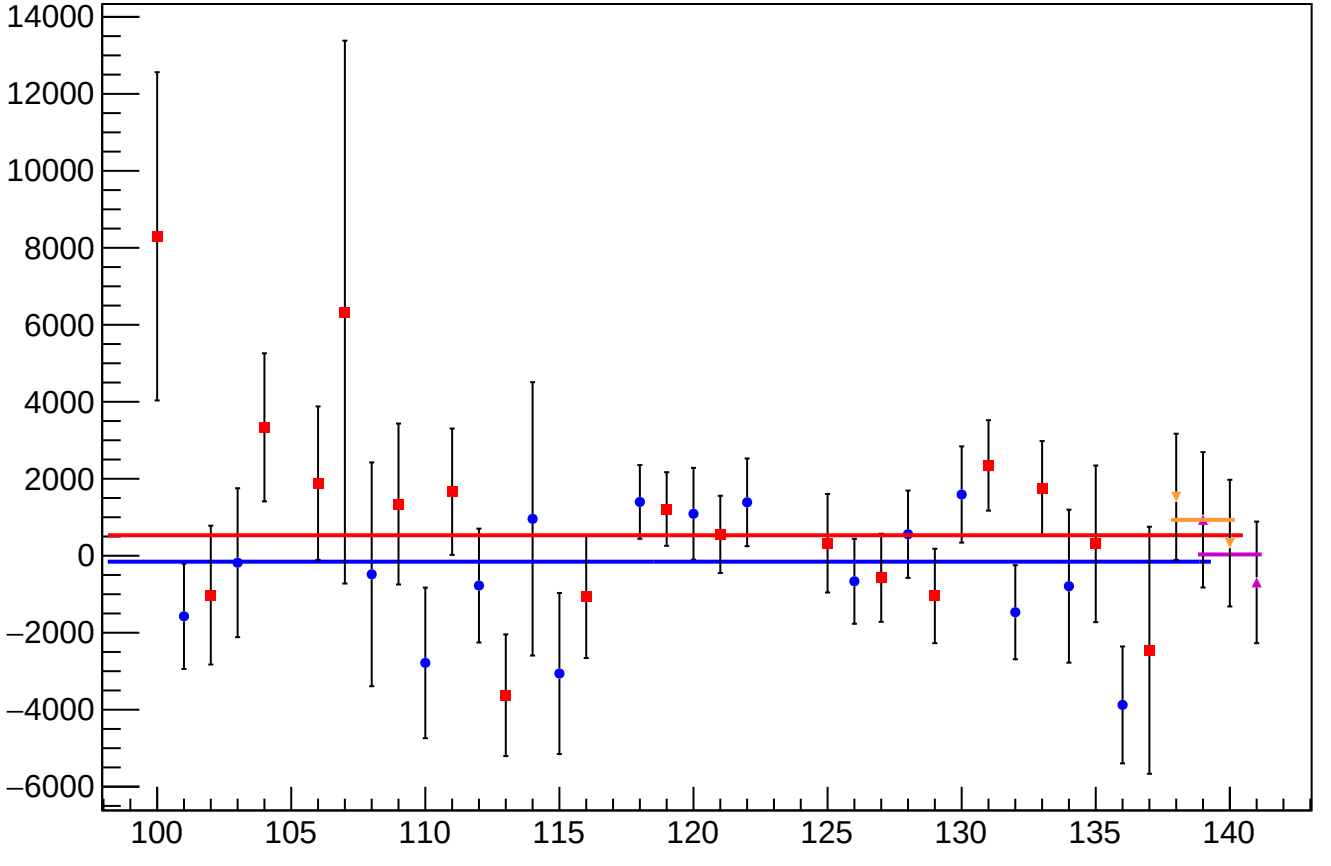
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1107.491+/-0.261 χ^2/NDF:11617.4/17

Out: 1114.786+/-0.263 χ^2/NDF:7471.6/19

All: 1111.117+/-0.185 χ^2/NDF: 19476.2/37

asym_usl_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: 932.089+/-1161.310 χ^2/NDF:0.3/1

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

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

Left: 488.208+/-826.069 χ^2/NDF: 1.0/3

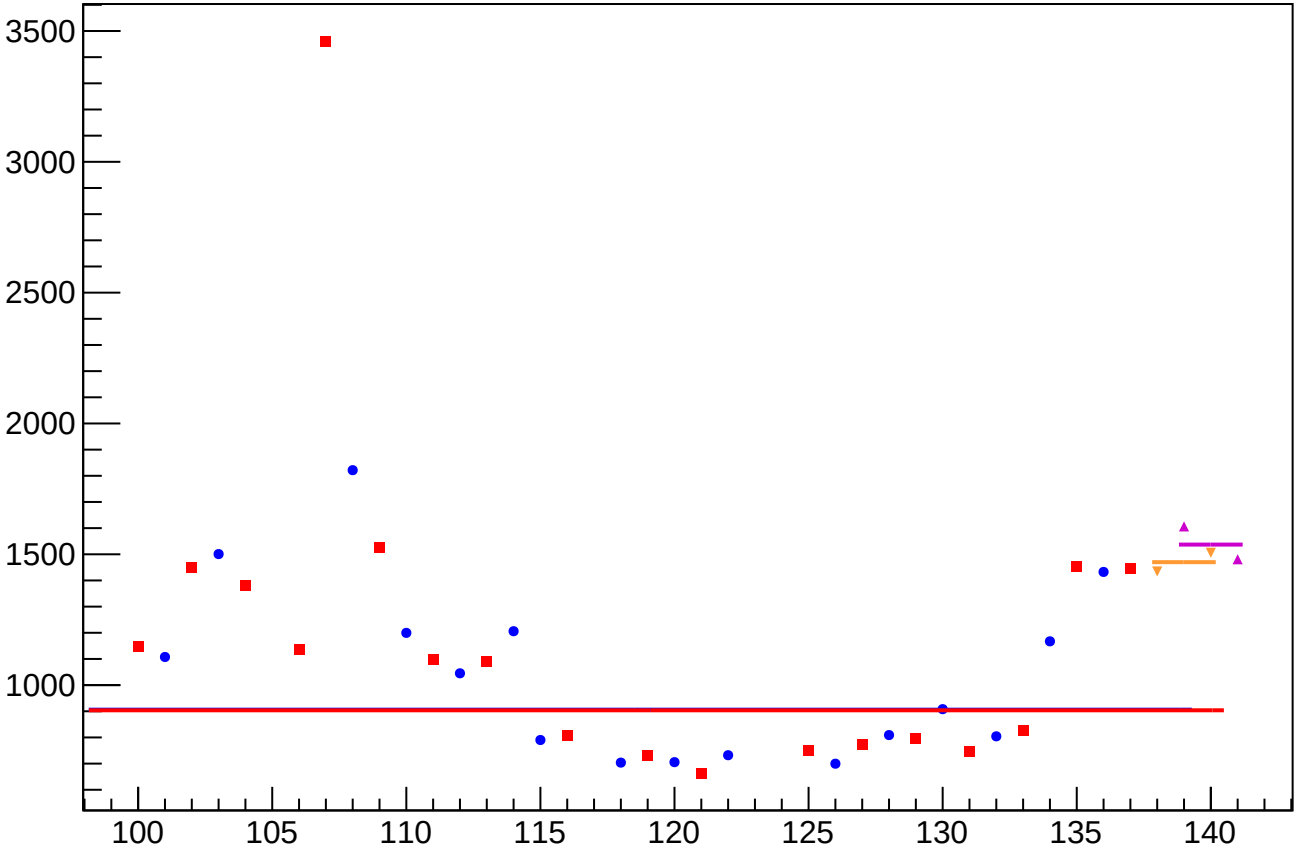
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: -138.614+/-336.601 χ^2/NDF:21.0/17

Out: 565.528+/-335.468 χ^2/NDF:23.6/19

All: 214.644+/-237.612 χ^2/NDF: 46.8/37

asym_usl_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1469.908+/-0.821 χ^2/NDF:1893.1/1

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

Left In: 1537.080+/-0.831 χ^2/NDF:5644.9/1

Left: 1503.092+/-0.584 χ^2/NDF: 10843.5/3

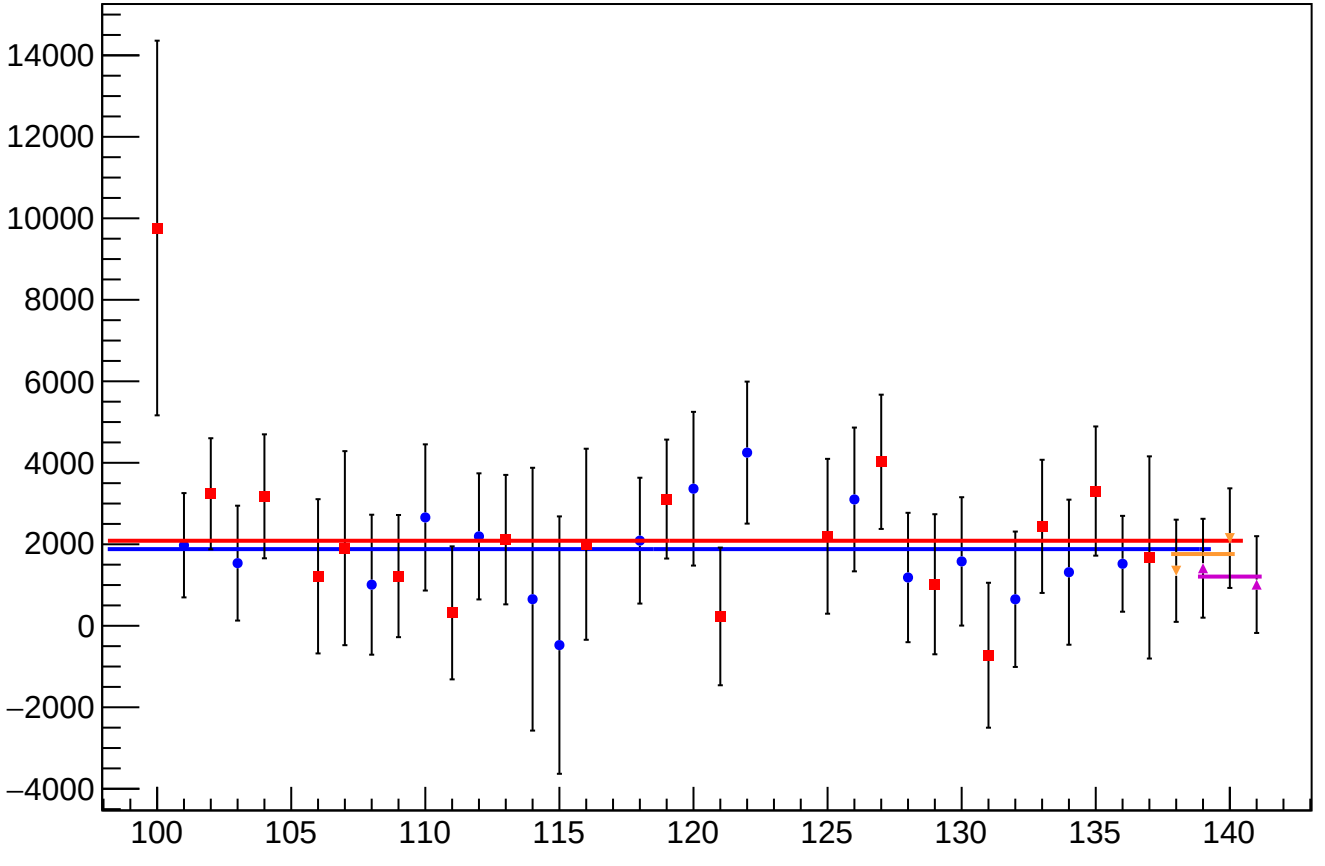
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 957.796+/-0.238 χ^2/NDF:1614365.5/17

Out: 950.997+/-0.237 χ^2/NDF:1777550.4/19

All: 954.385+/-0.168 χ^2/NDF: 3392325.3/37

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1760.929+/-875.195 χ^2/NDF:0.2/1

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

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

Left: 1475.765+/-609.290 χ^2/NDF: 0.5/3

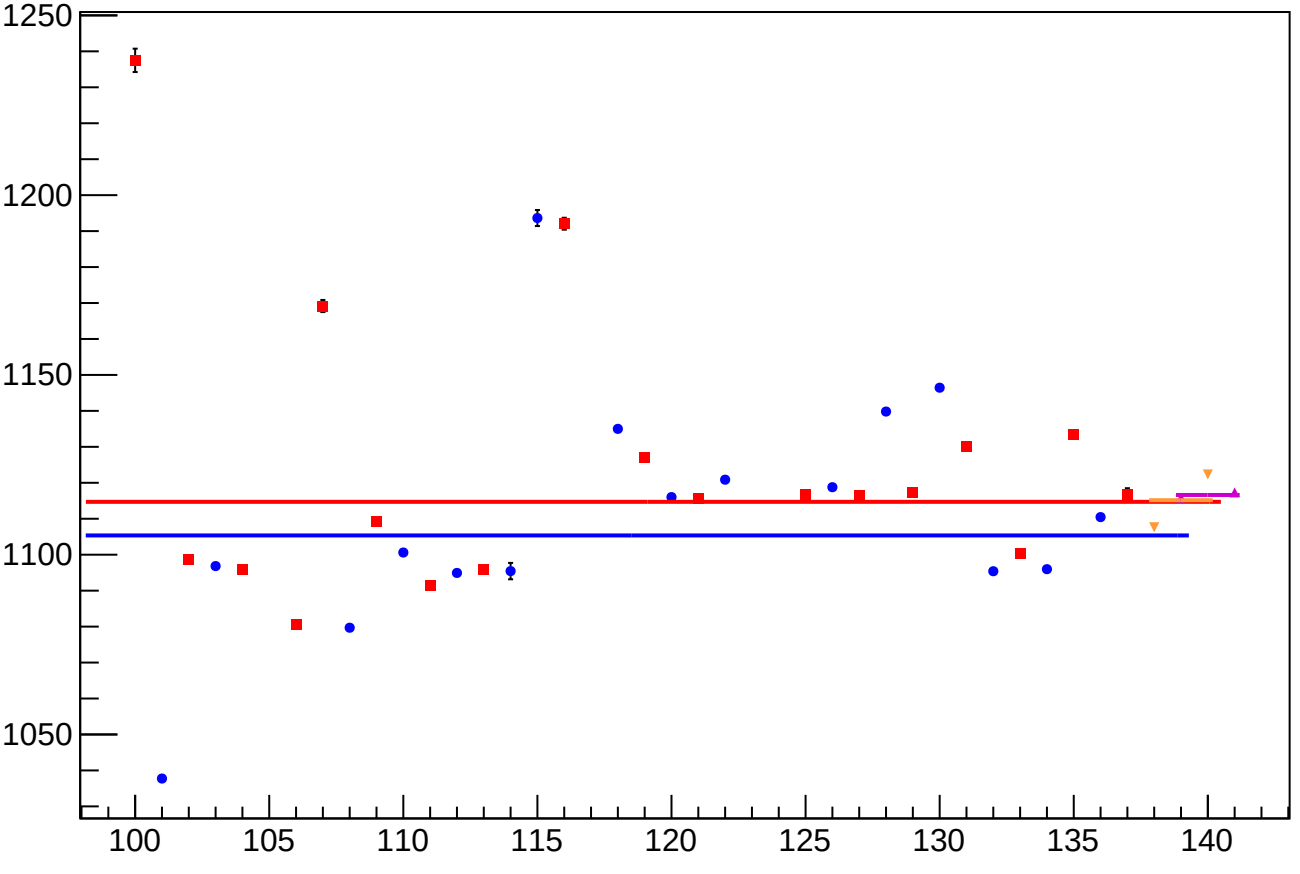
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1753.658+/-369.693 χ^2/NDF:5.8/17

Out: 2028.039+/-371.861 χ^2/NDF:12.7/19

All: 1890.046+/-262.176 χ^2/NDF: 18.7/37

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1115.153+/-0.619 χ^2/NDF:140.9/1

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

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

Left: 1115.904+/-0.431 χ^2/NDF: 145.3/3

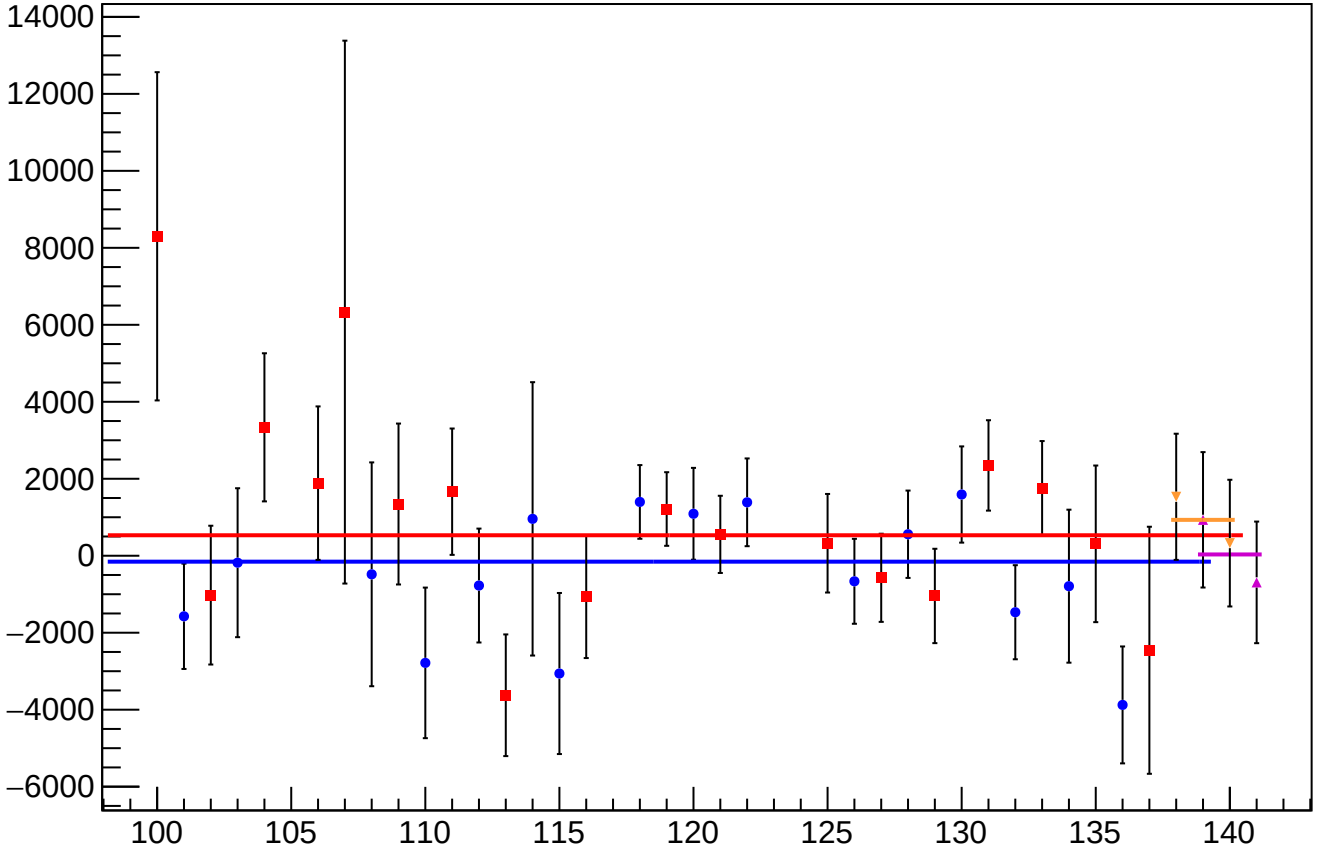
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1107.491+/-0.261 χ^2/NDF:11617.4/17

Out: 1114.786+/-0.263 χ^2/NDF:7471.6/19

All: 1111.117+/-0.185 χ^2/NDF: 19476.1/37

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: 932.094+/-1161.311 χ^2/NDF:0.3/1

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

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

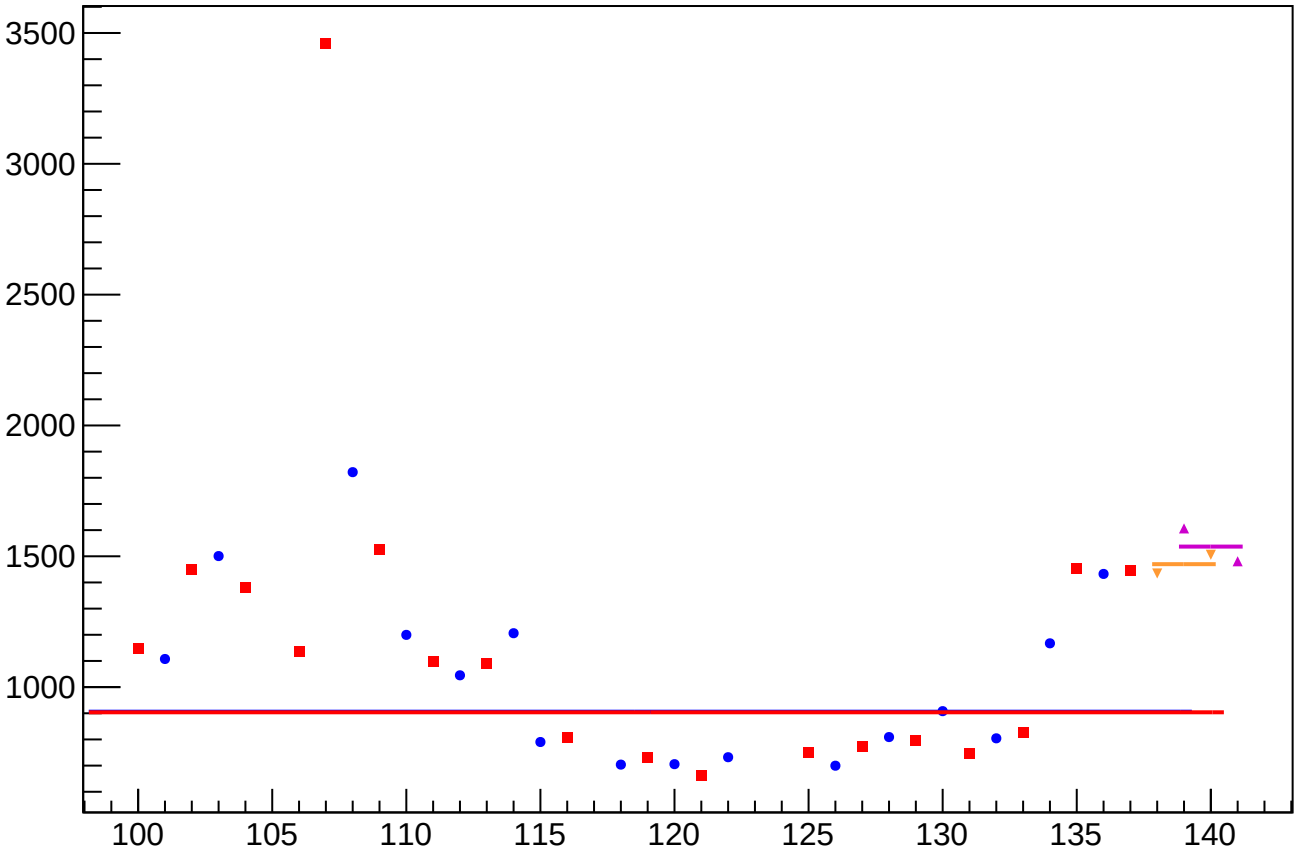
Left: 488.211+/-826.070 χ^2/NDF: 1.0/3

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: -138.612+/-336.601 χ^2/NDF:21.0/17

Out: 565.528+/-335.468 χ^2/NDF:23.6/19

All: 214.645+/-237.611 χ^2/NDF: 46.8/37



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

Left Out: 1469.910+/-0.821 χ^2/NDF:1893.0/1

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

Left In: 1537.082+/-0.831 χ^2/NDF:5645.0/1

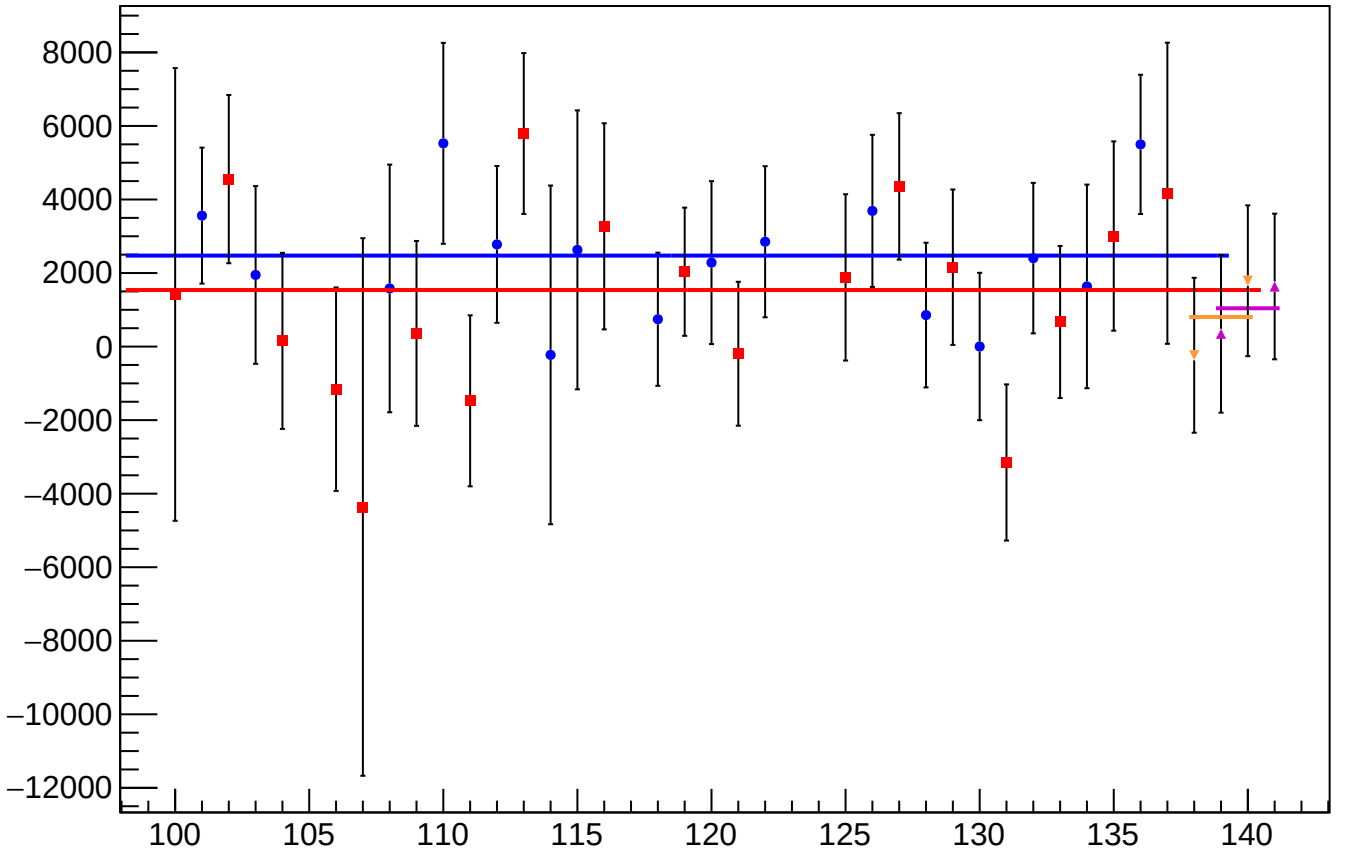
Left: 1503.094+/-0.584 χ^2/NDF: 10843.6/3

Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 957.795+/-0.238 χ^2/NDF:1614375.9/17

Out: 950.995+/-0.237 χ^2/NDF:1777559.0/19

All: 954.383+/-0.168 χ^2/NDF: 3392344.4/37



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

Left Out: 804.056+/-1469.442 χ^2/NDF:0.5/1

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

Left In: 1041.686+/-1454.860 χ^2/NDF:0.2/1

Left: 924.056+/-1033.858 χ^2/NDF: 0.7/3

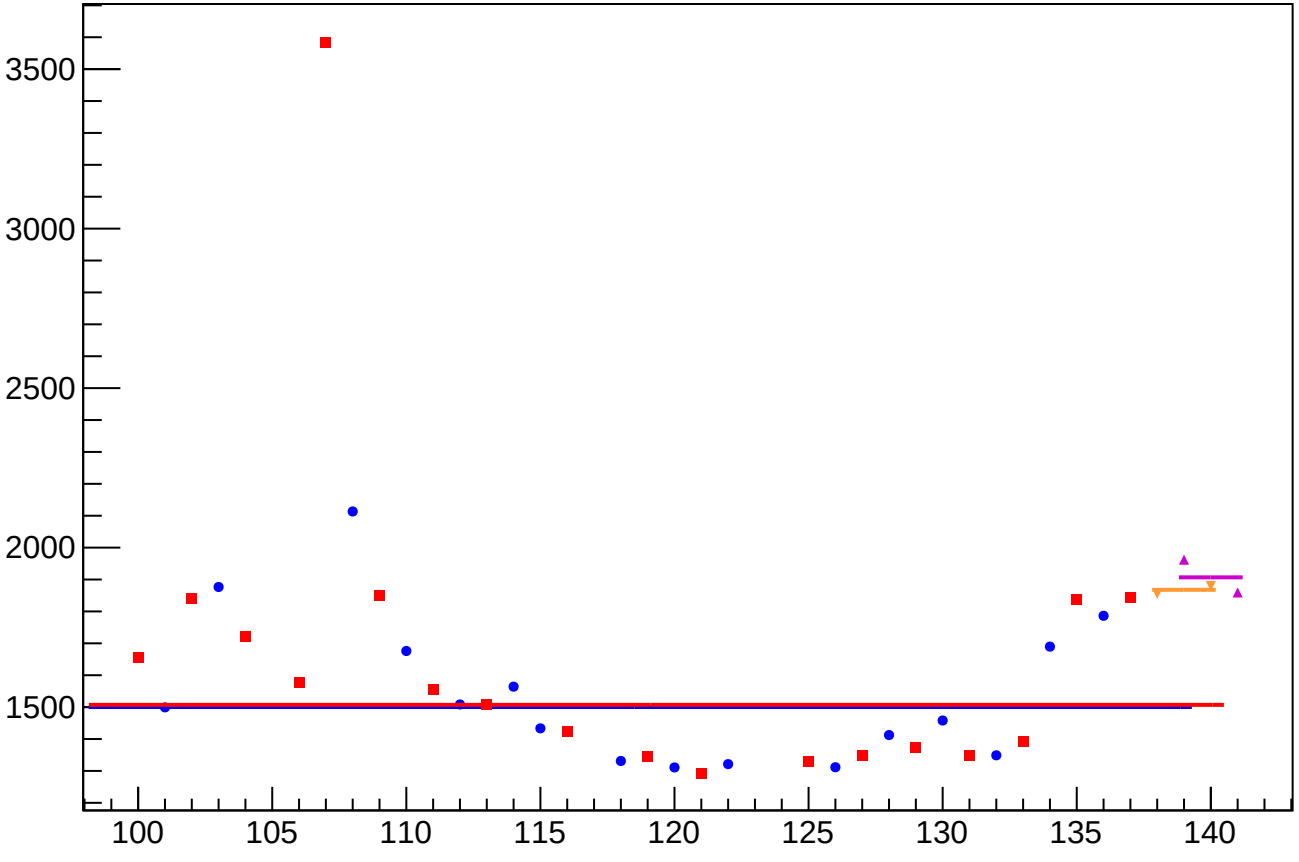
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 2287.619+/-524.891 χ^2/NDF:9.3/17

Out: 1443.398+/-526.186 χ^2/NDF:19.2/19

All: 1866.548+/-371.611 χ^2/NDF: 29.7/37

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1867.733+/-1.039 χ^2/NDF:139.8/1

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

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

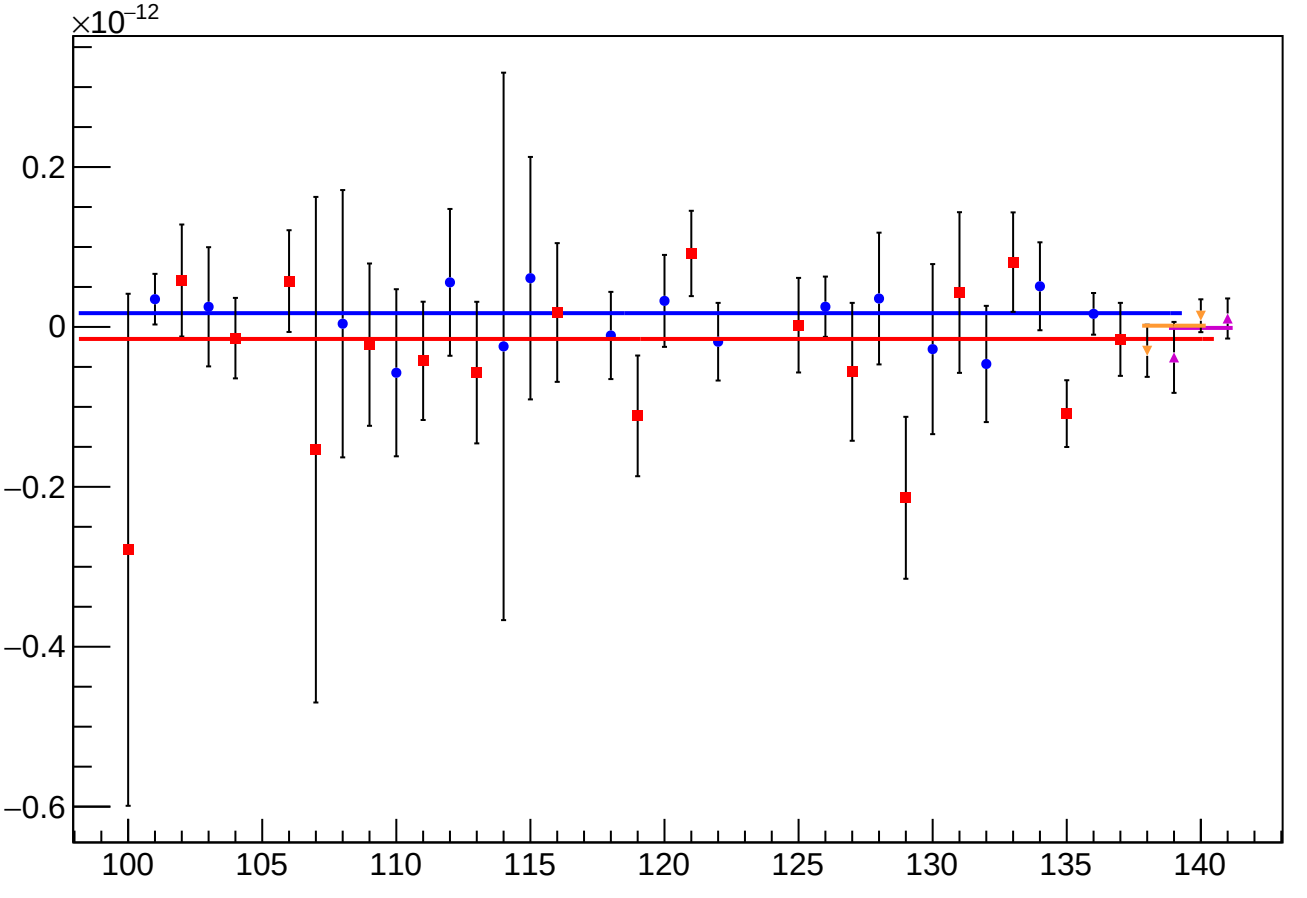
Left: 1887.445+/-0.731 χ^2/NDF: 3332.3/3

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1553.275+/-0.371 χ^2/NDF:397013.7/17

Out: 1553.340+/-0.372 χ^2/NDF:506386.0/19

All: 1553.308+/-0.263 χ^2/NDF: 903399.7/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/1

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

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

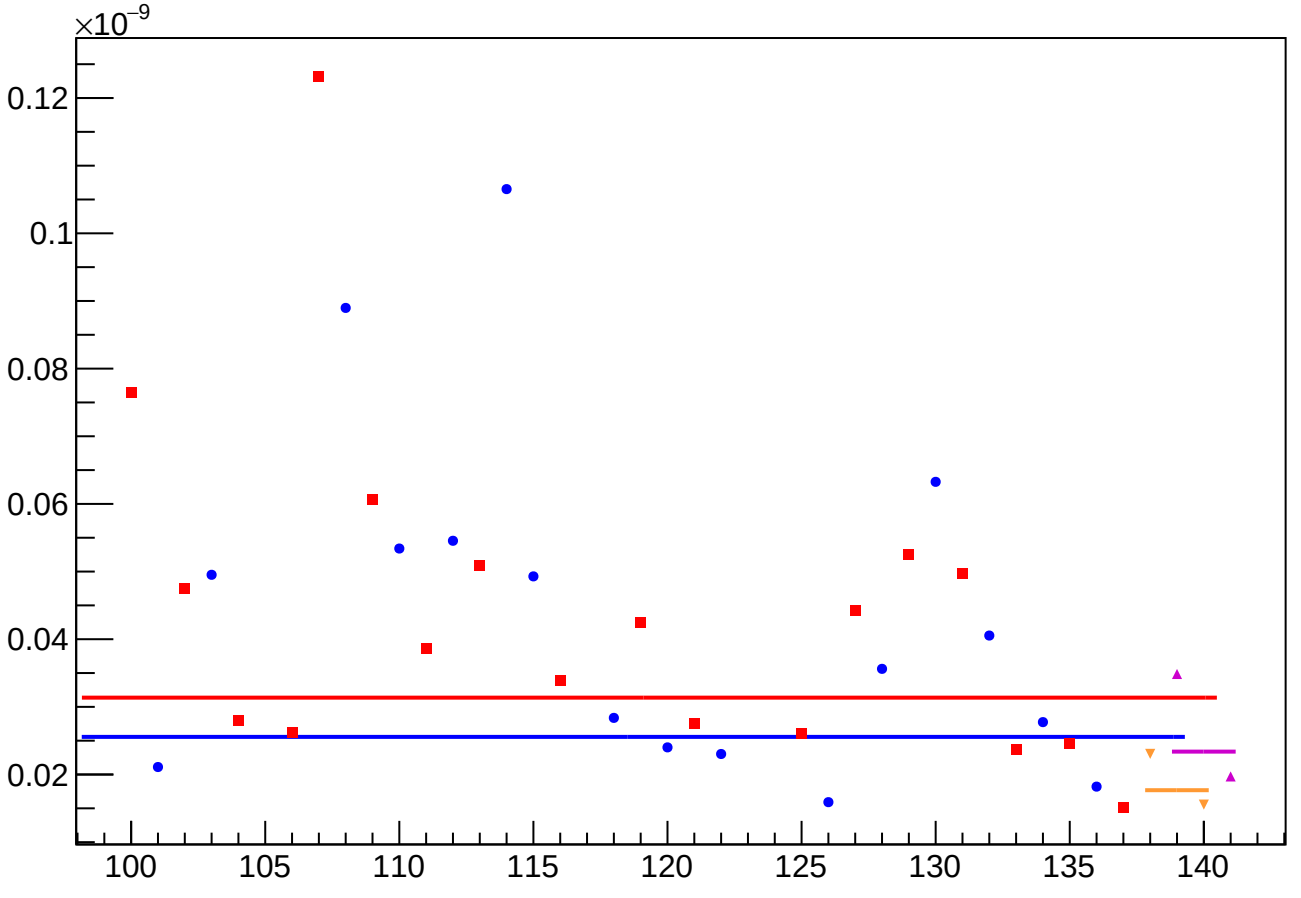
Left: 0.000+/-0.000 χ^2/NDF: 2.2/3

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:4.8/17

Out: -0.000+/-0.000 χ^2/NDF:23.1/19

All: 0.000+/-0.000 χ^2/NDF: 29.3/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:75648.0/1

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

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

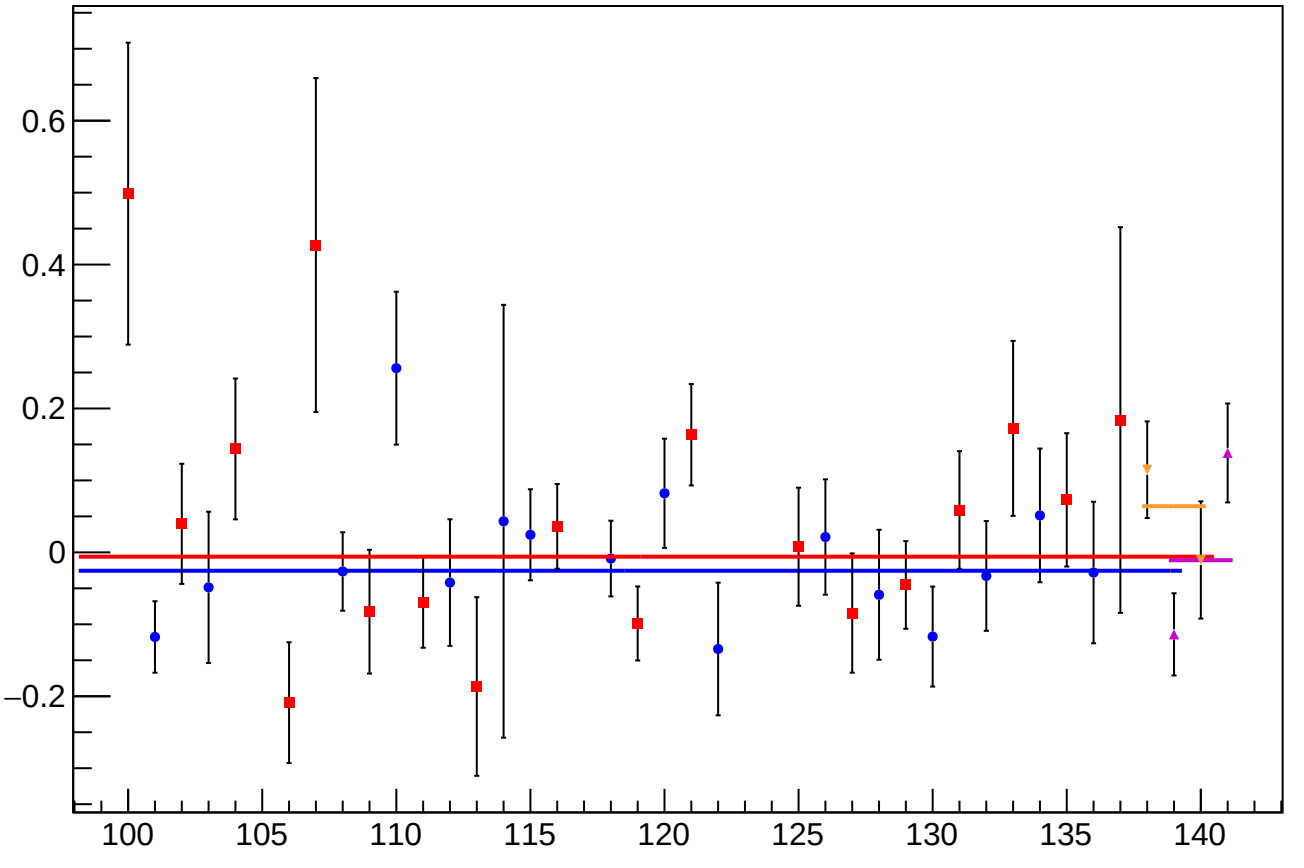
Left: 0.000+/-0.000 χ^2/NDF: 335851.0/3

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:1898876.6/17

Out: 0.000+/-0.000 χ^2/NDF:1970762.2/19

All: 0.000+/-0.000 χ^2/NDF: 3869698.6/37



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

Left Out: 0.064+/-0.052 χ^2/NDF:1.4/1

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

Left In: -0.011+/-0.044 χ^2/NDF:8.0/1

Left: 0.020+/-0.034 χ^2/NDF: 10.6/3

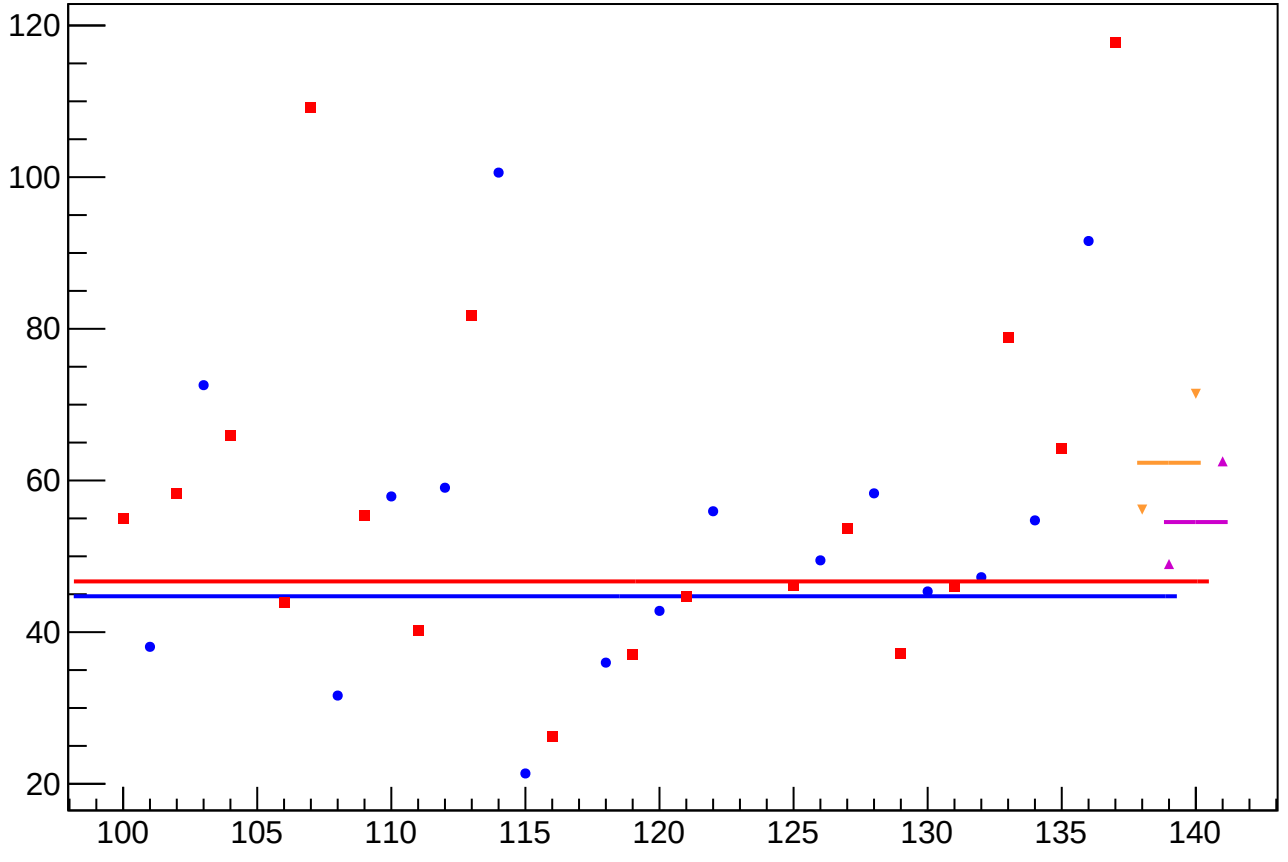
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.023+/-0.017 χ^2/NDF:25.7/17

Out: 0.003+/-0.018 χ^2/NDF:39.6/19

All: -0.011+/-0.013 χ^2/NDF: 66.3/37

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 62.338+/-0.037 χ^2/NDF:41835.4/1

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

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

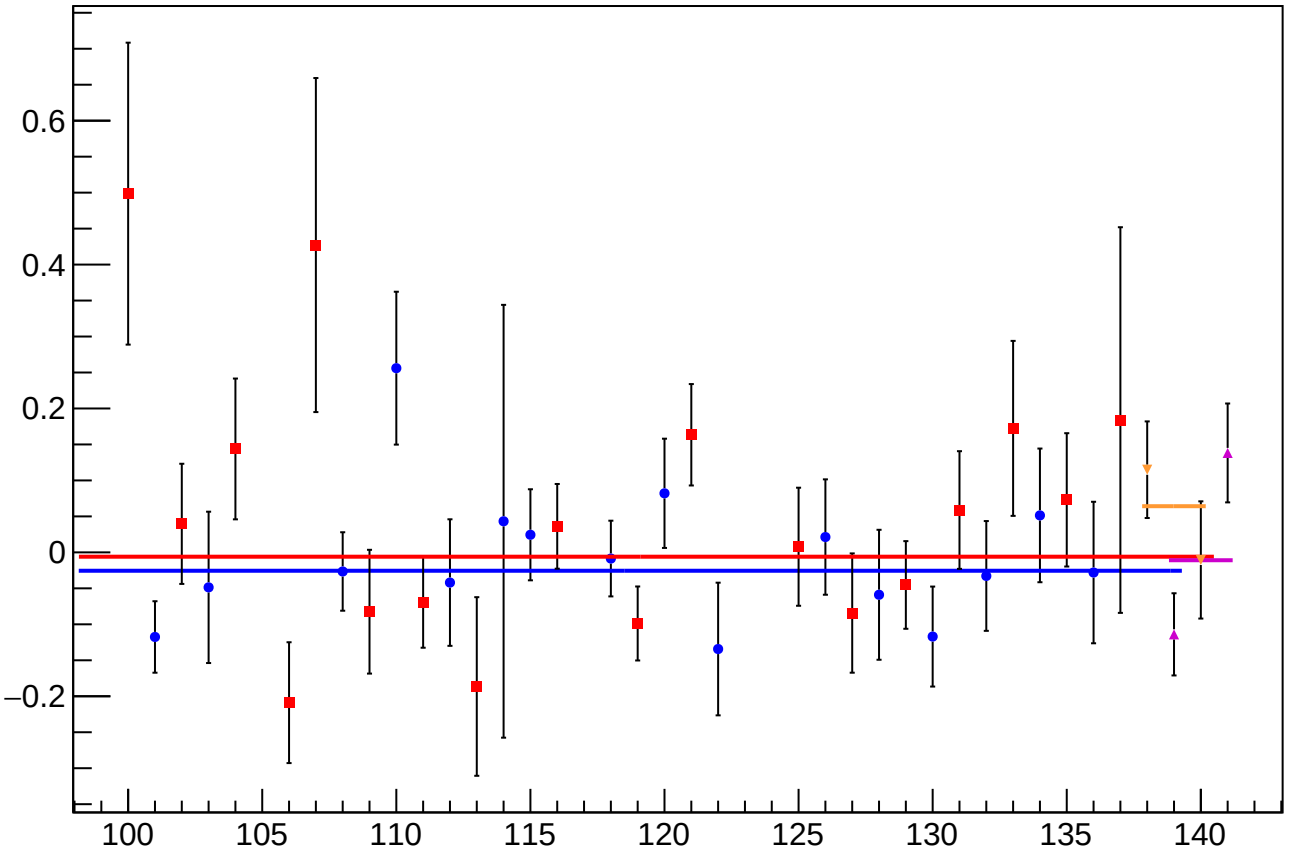
Left: 57.788+/-0.024 χ^2/NDF: 114288.0/3

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 46.244+/-0.012 χ^2/NDF:1464419.0/17

Out: 48.613+/-0.013 χ^2/NDF:1397290.6/19

All: 47.368+/-0.009 χ^2/NDF: 2879597.8/37



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

Left Out: 0.064+/-0.052 χ^2/NDF:1.4/1

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

Left In: -0.011+/-0.044 χ^2/NDF:8.0/1

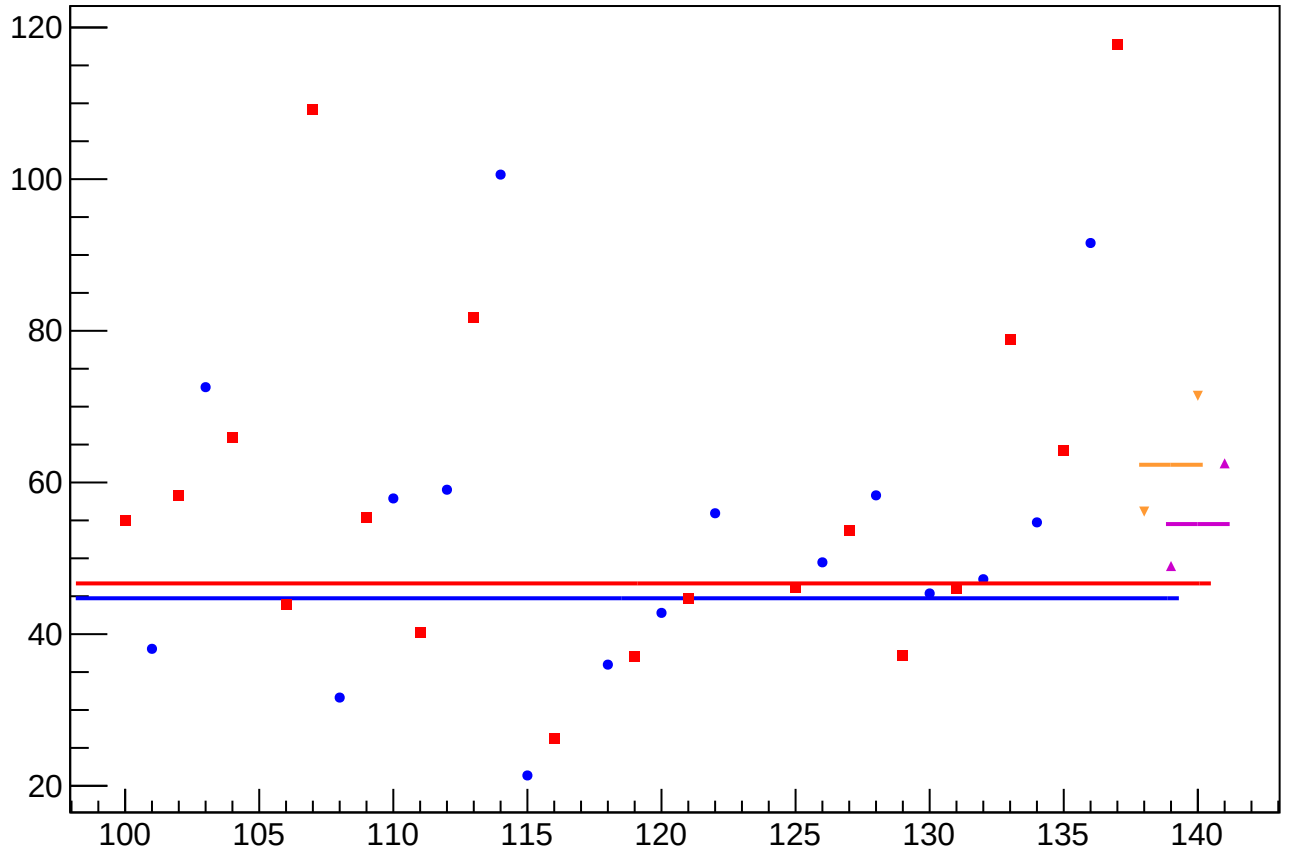
Left: 0.020+/-0.034 χ^2/NDF: 10.6/3

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.023+/-0.017 χ^2/NDF:25.7/17

Out: 0.003+/-0.018 χ^2/NDF:39.6/19

All: -0.011+/-0.013 χ^2/NDF: 66.3/37



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

Left Out: 62.338+/-0.037 χ^2/NDF:41835.4/1

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

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

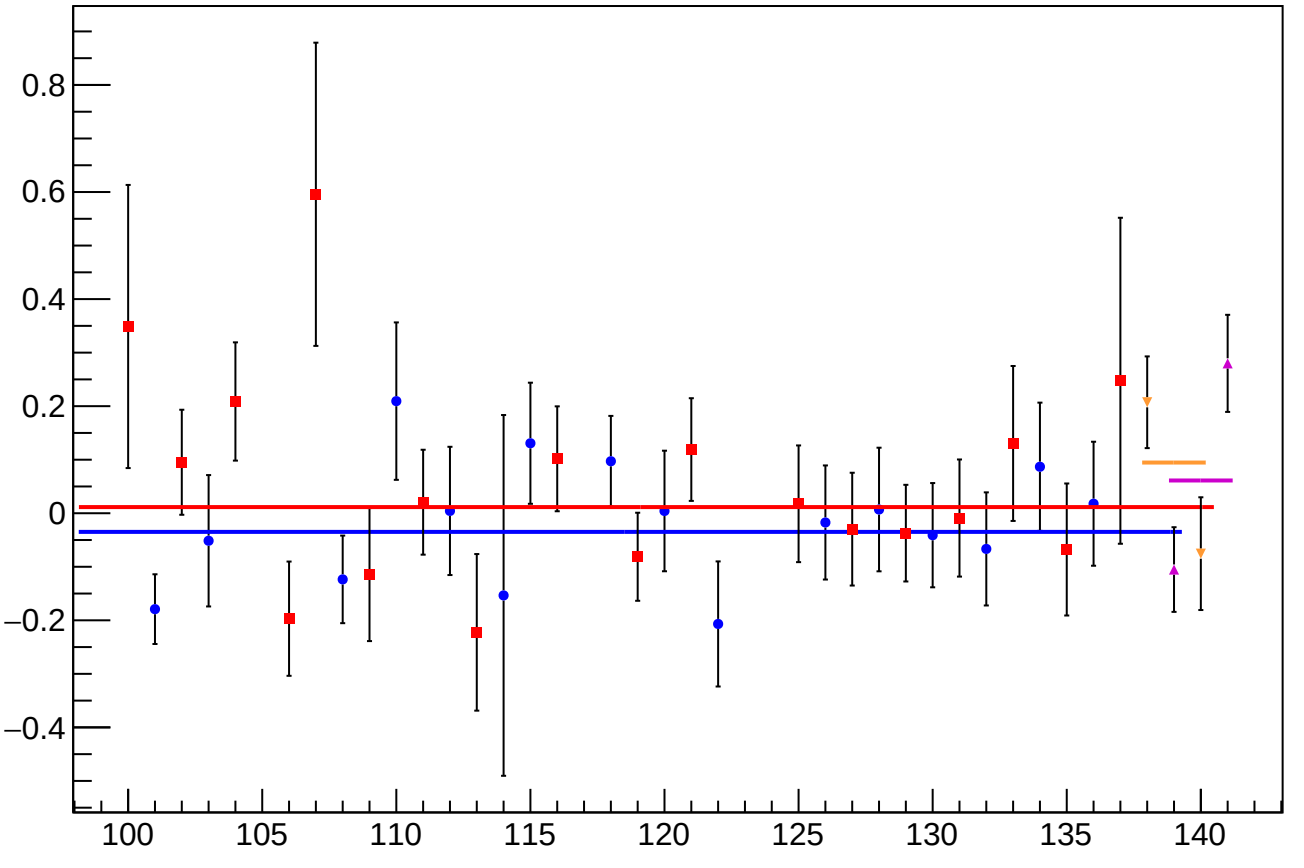
Left: 57.788+/-0.024 χ^2/NDF: 114288.0/3

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 46.244+/-0.012 χ^2/NDF:1464419.0/17

Out: 48.613+/-0.013 χ^2/NDF:1397290.6/19

All: 47.368+/-0.009 χ^2/NDF: 2879597.8/37



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

Left Out: 0.095+/-0.066 χ^2/NDF:4.3/1

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

Left In: 0.061+/-0.060 χ^2/NDF:10.2/1

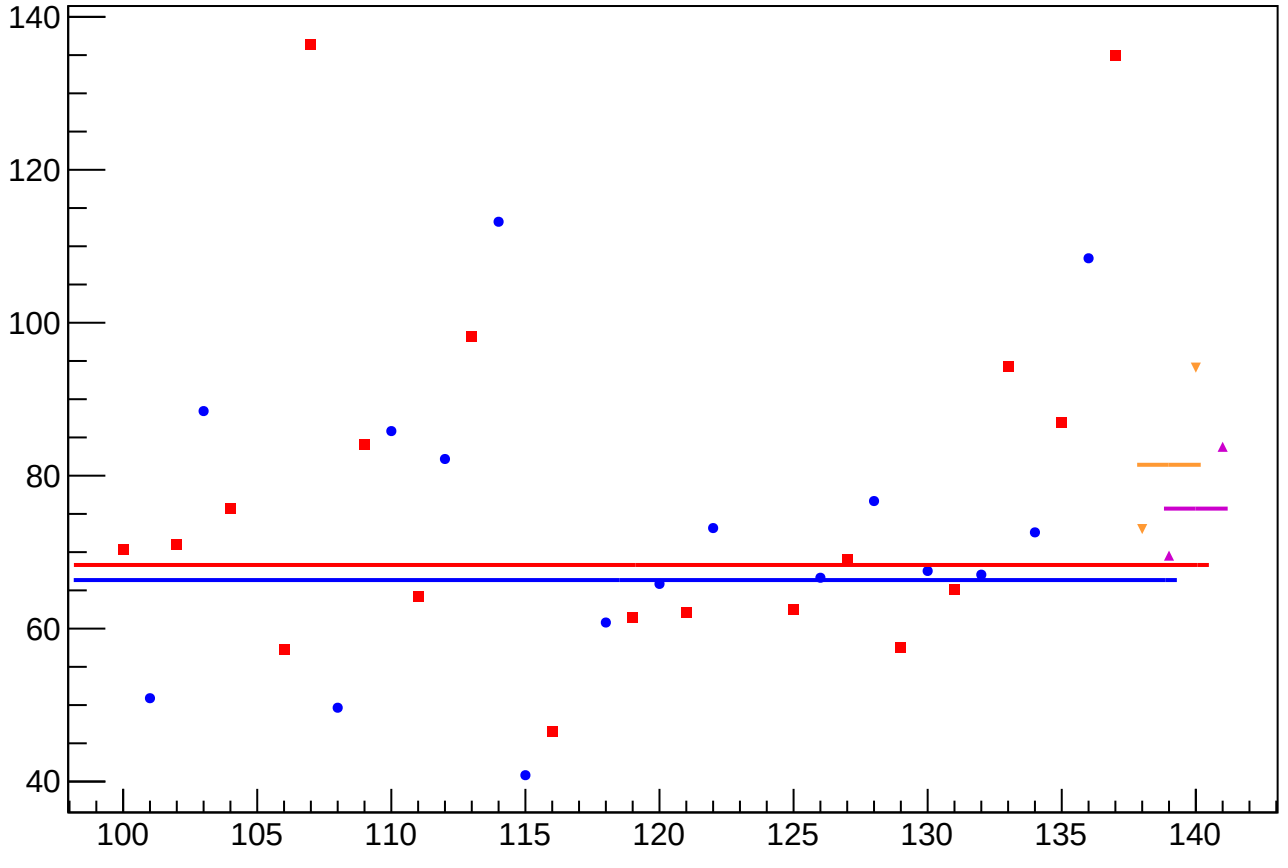
Left: 0.076+/-0.044 χ^2/NDF: 14.7/3

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.019+/-0.024 χ^2/NDF:29.9/17

Out: 0.023+/-0.025 χ^2/NDF:28.4/19

All: 0.001+/-0.017 χ^2/NDF: 59.8/37



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

Left Out: 81.425+/-0.047 χ^2/NDF:48377.1/1

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 75.693+/-0.042 χ^2/NDF:27997.6/1

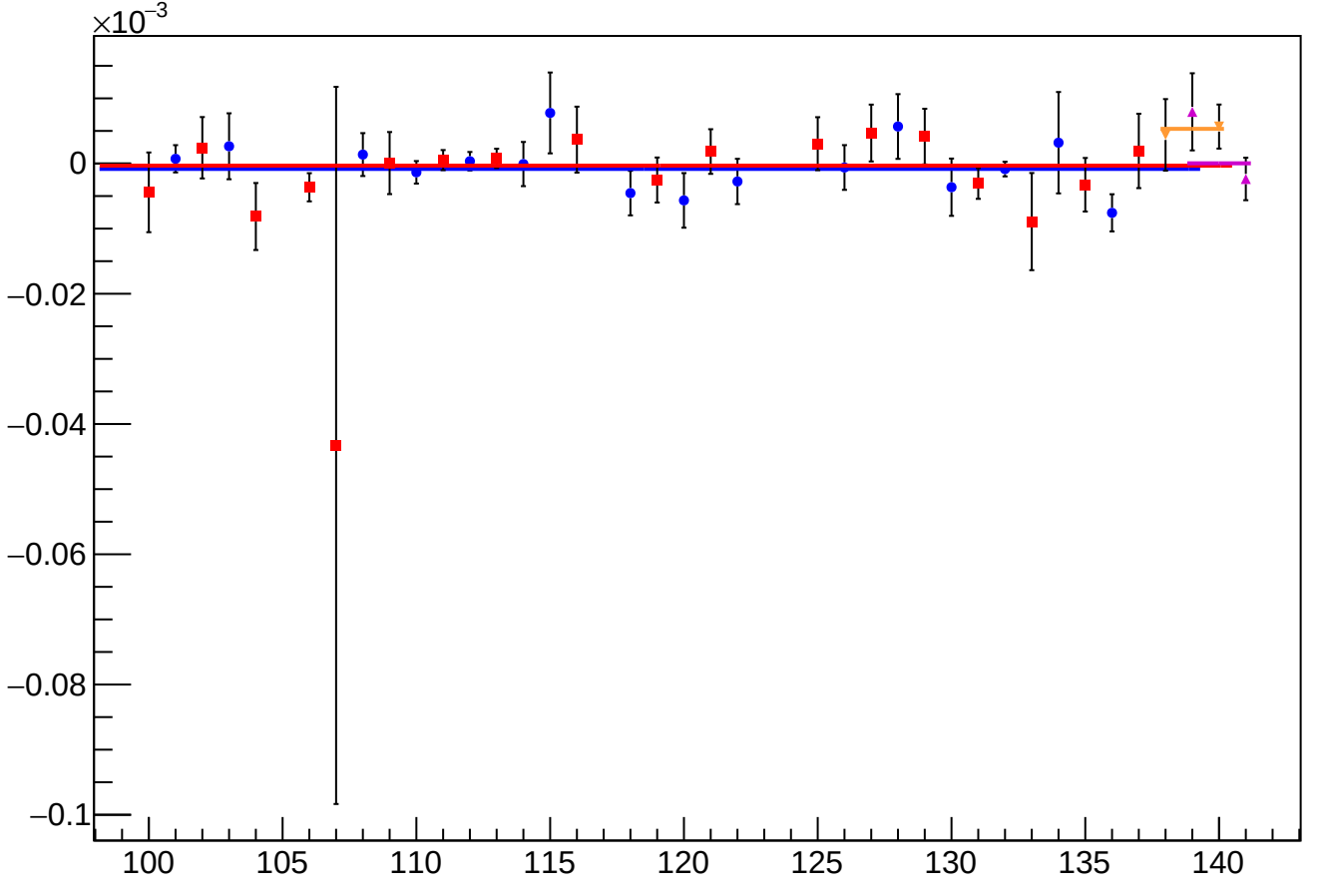
Left: 78.248+/-0.031 χ^2/NDF: 84622.4/3

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.869+/-0.017 χ^2/NDF:841823.6/17

Out: 70.167+/-0.018 χ^2/NDF:744862.3/19

All: 68.976+/-0.012 χ^2/NDF: 1595490.2/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/1

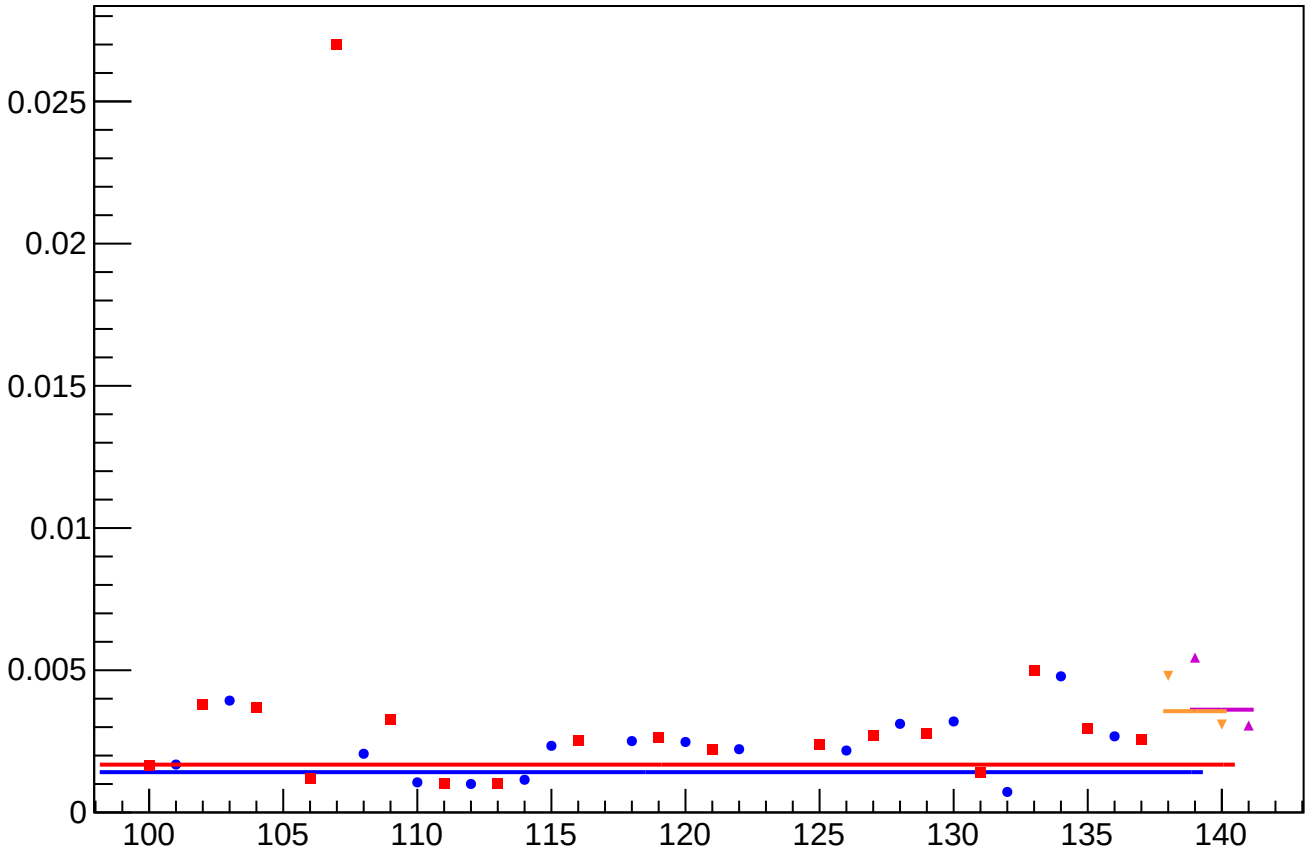
Left: 0.000+/-0.000 χ^2/NDF: 4.1/3

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:17.4/17

Out: 0.000+/-0.000 χ^2/NDF:18.5/19

All: -0.000+/-0.000 χ^2/NDF: 36.6/37



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:140857.2/1

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:249436.1/1

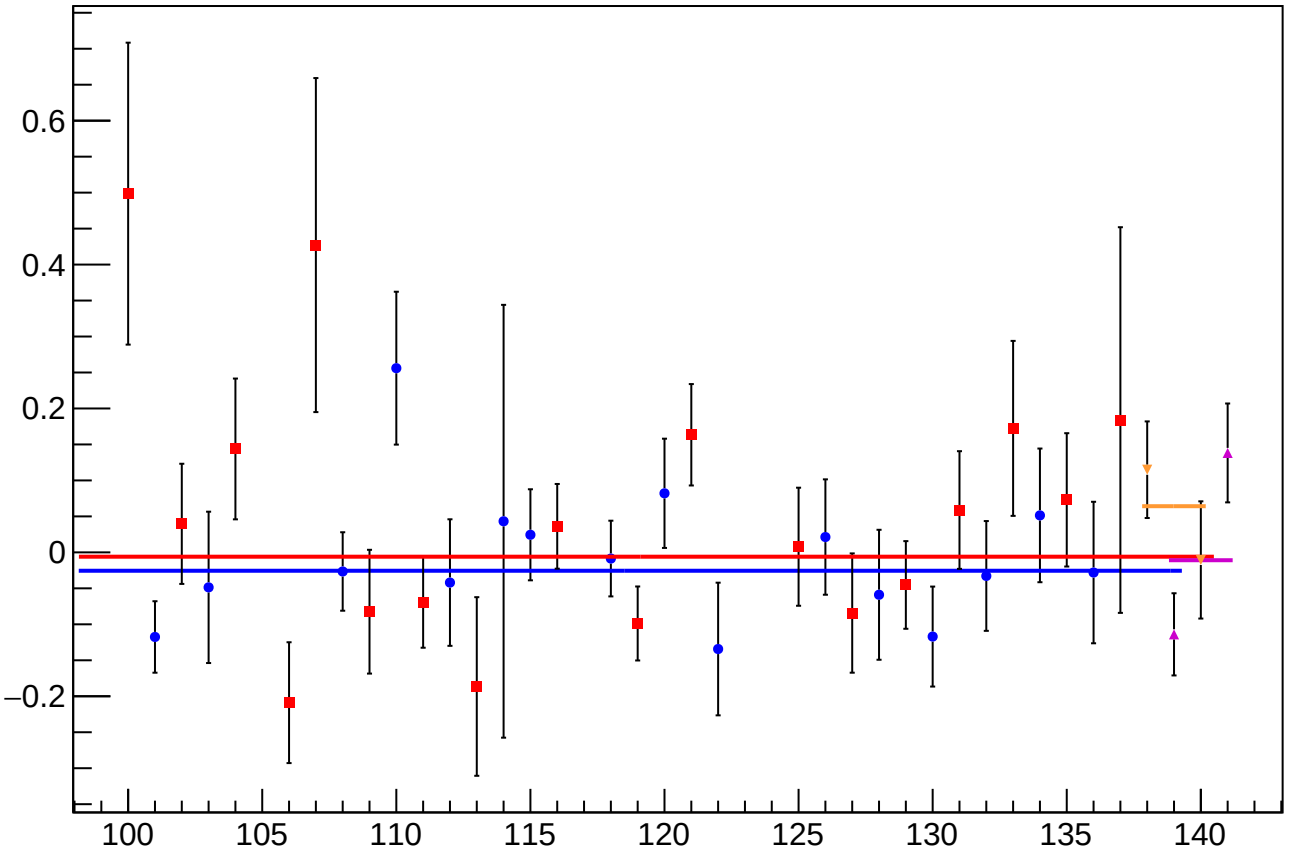
Left: 0.004+/-0.000 χ^2/NDF: 390629.6/3

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:4925485.2/17

Out: 0.002+/-0.000 χ^2/NDF:4369801.0/19

All: 0.002+/-0.000 χ^2/NDF: 9476472.5/37



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

Left Out: 0.064+/-0.052 χ^2/NDF:1.4/1

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

Left In: -0.011+/-0.044 χ^2/NDF:8.0/1

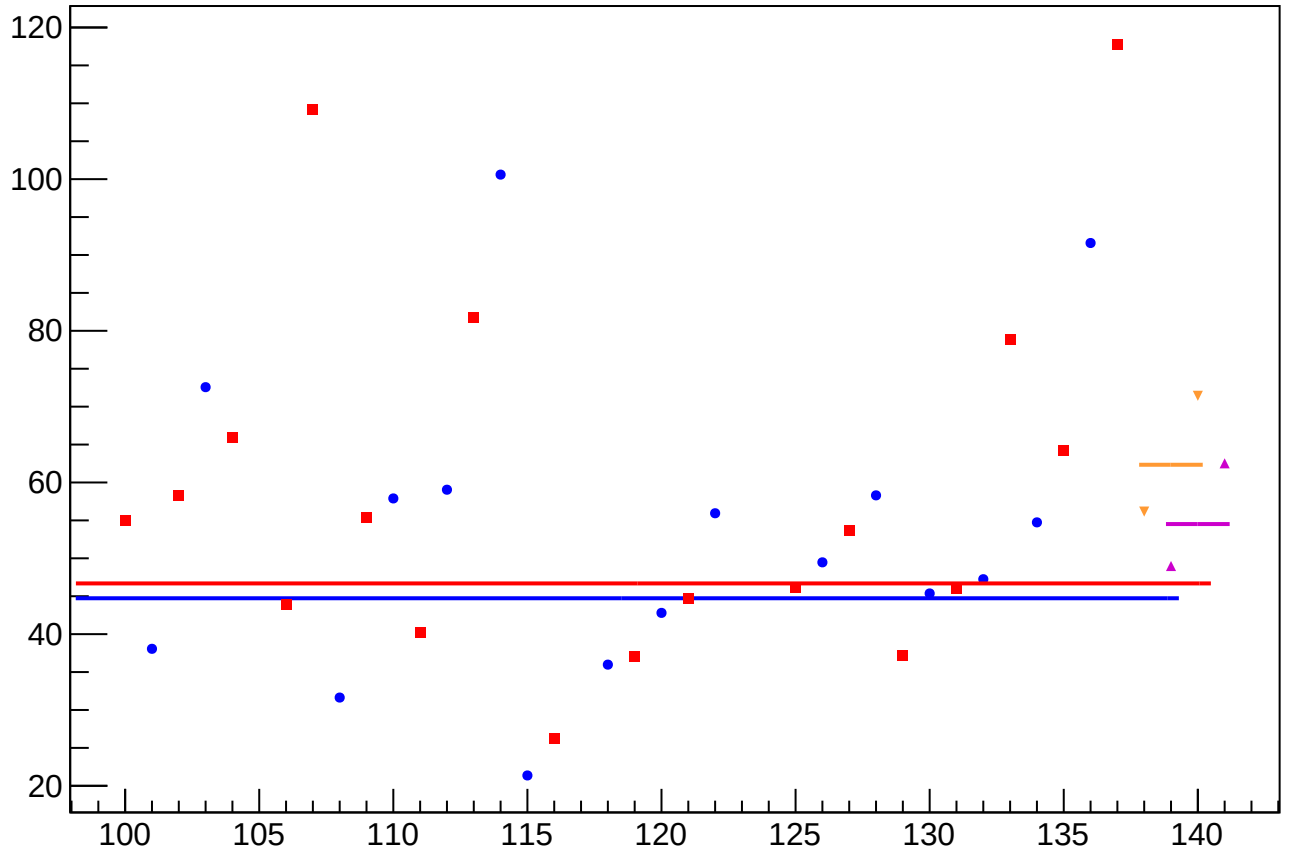
Left: 0.020+/-0.034 χ^2/NDF: 10.6/3

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.023+/-0.017 χ^2/NDF:25.7/17

Out: 0.003+/-0.018 χ^2/NDF:39.6/19

All: -0.011+/-0.013 χ^2/NDF: 66.3/37



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 62.337+/-0.037 χ^2/NDF:41837.9/1

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 54.518+/-0.031 χ^2/NDF:45938.6/1

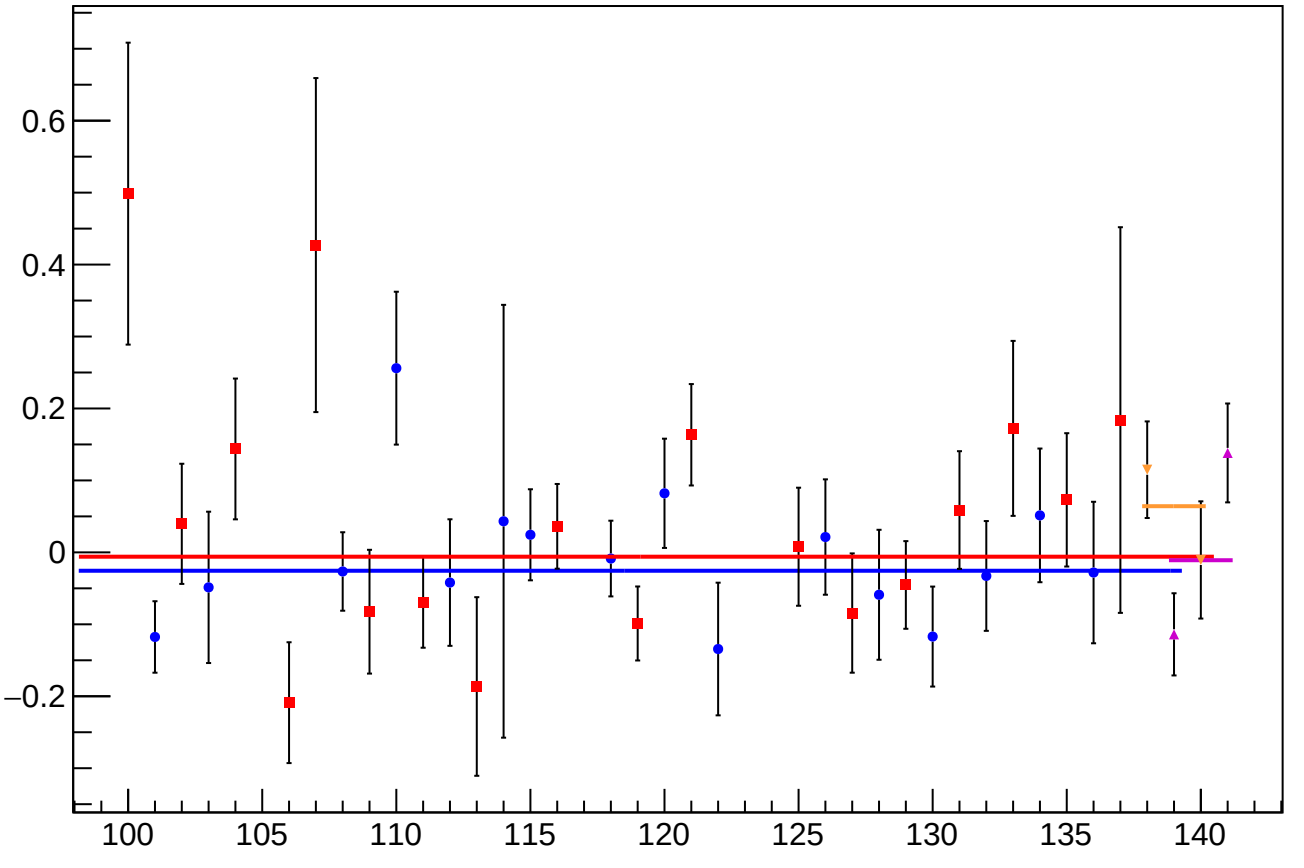
Left: 57.788+/-0.024 χ^2/NDF: 114279.5/3

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 46.243+/-0.012 χ^2/NDF:1464495.1/17

Out: 48.612+/-0.013 χ^2/NDF:1397342.8/19

All: 47.367+/-0.009 χ^2/NDF: 2879724.7/37



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

Left Out: 0.064+/-0.052 χ^2/NDF:1.4/1

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

Left In: -0.011+/-0.044 χ^2/NDF:8.0/1

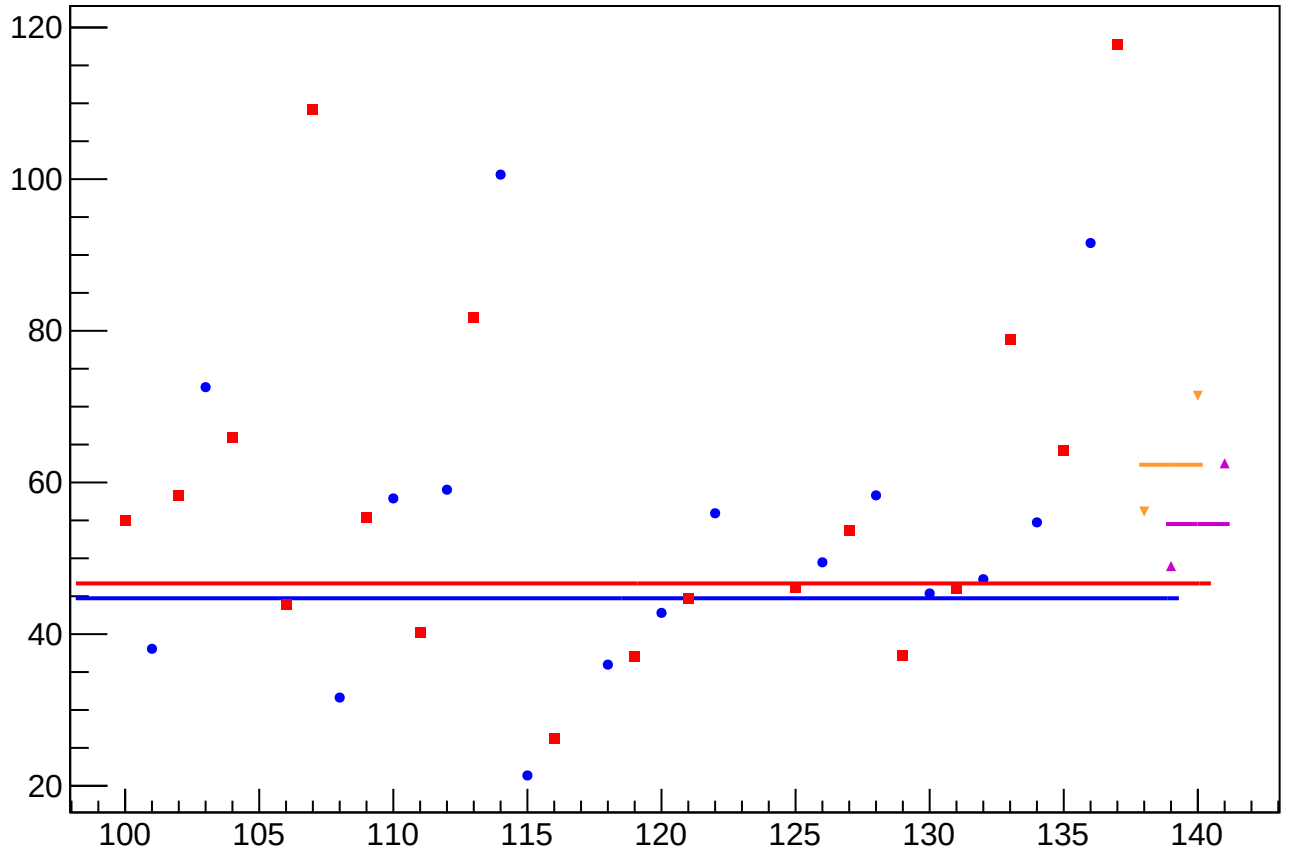
Left: 0.020+/-0.034 χ^2/NDF: 10.6/3

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.023+/-0.017 χ^2/NDF:25.7/17

Out: 0.003+/-0.018 χ^2/NDF:39.6/19

All: -0.011+/-0.013 χ^2/NDF: 66.3/37



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 62.337+/-0.037 χ^2/NDF:41837.9/1

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 54.518+/-0.031 χ^2/NDF:45938.6/1

Left: 57.788+/-0.024 χ^2/NDF: 114279.5/3

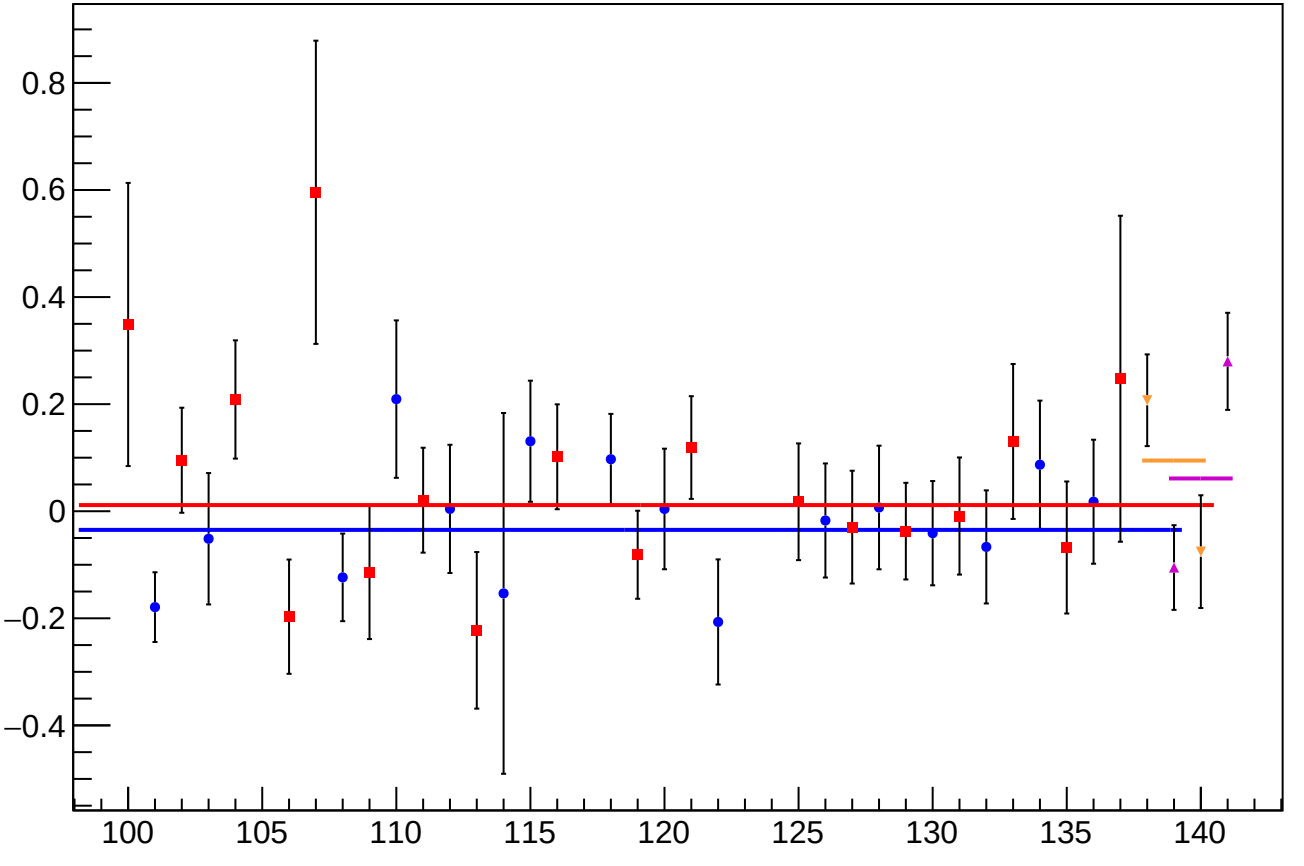
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 46.243+/-0.012 χ^2/NDF:1464495.1/17

Out: 48.612+/-0.013 χ^2/NDF:1397342.8/19

All: 47.367+/-0.009 χ^2/NDF: 2879724.7/37

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.095+/-0.066 χ^2/NDF:4.3/1

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

Left In: 0.061+/-0.060 χ^2/NDF:10.2/1

Left: 0.076+/-0.044 χ^2/NDF: 14.7/3

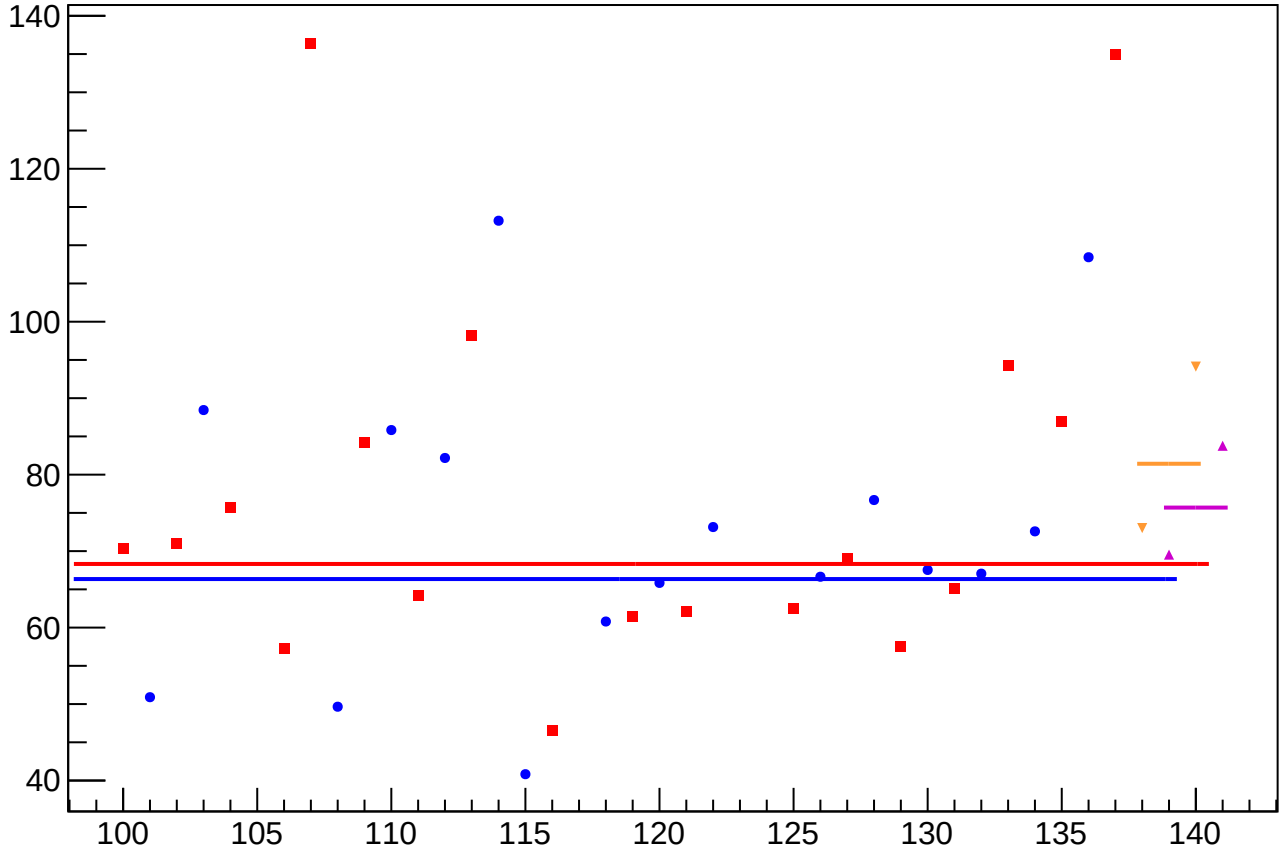
Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.019+/-0.024 χ^2/NDF:29.9/17

Out: 0.023+/-0.025 χ^2/NDF:28.4/19

All: 0.001+/-0.017 χ^2/NDF: 59.8/37

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 81.424+/-0.047 χ^2/NDF:48379.0/1

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 75.693+/-0.042 χ^2/NDF:27994.6/1

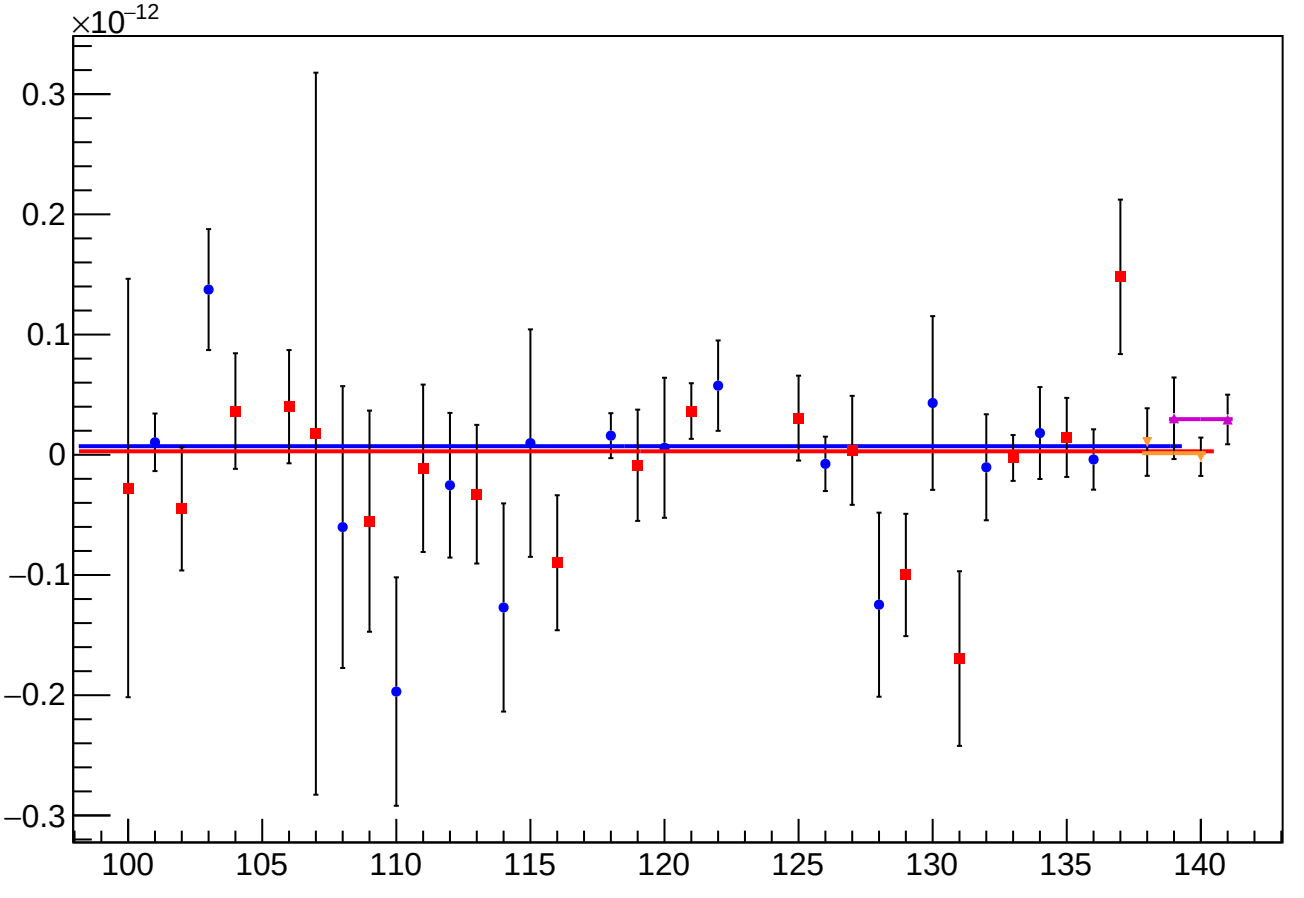
Left: 78.248+/-0.031 χ^2/NDF: 84619.5/3

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 67.869+/-0.017 χ^2/NDF:841834.3/17

Out: 70.166+/-0.018 χ^2/NDF:744864.0/19

All: 68.976+/-0.012 χ^2/NDF: 1595500.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

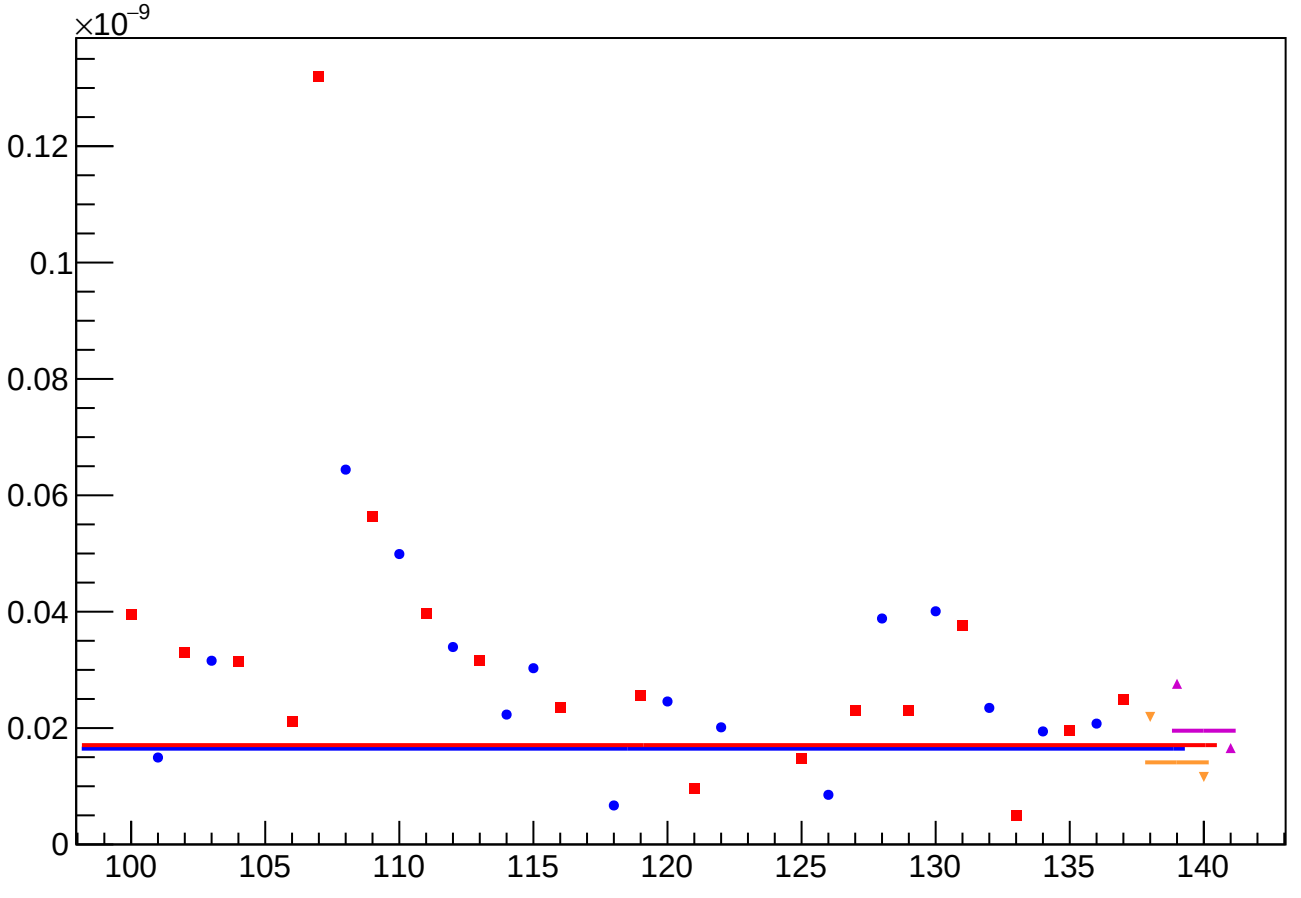
Left: 0.000+/-0.000 χ^2/NDF: 1.7/3

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:21.7/17

Out: 0.000+/-0.000 χ^2/NDF:23.5/19

All: 0.000+/-0.000 χ^2/NDF: 45.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:203843.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:154745.7/1

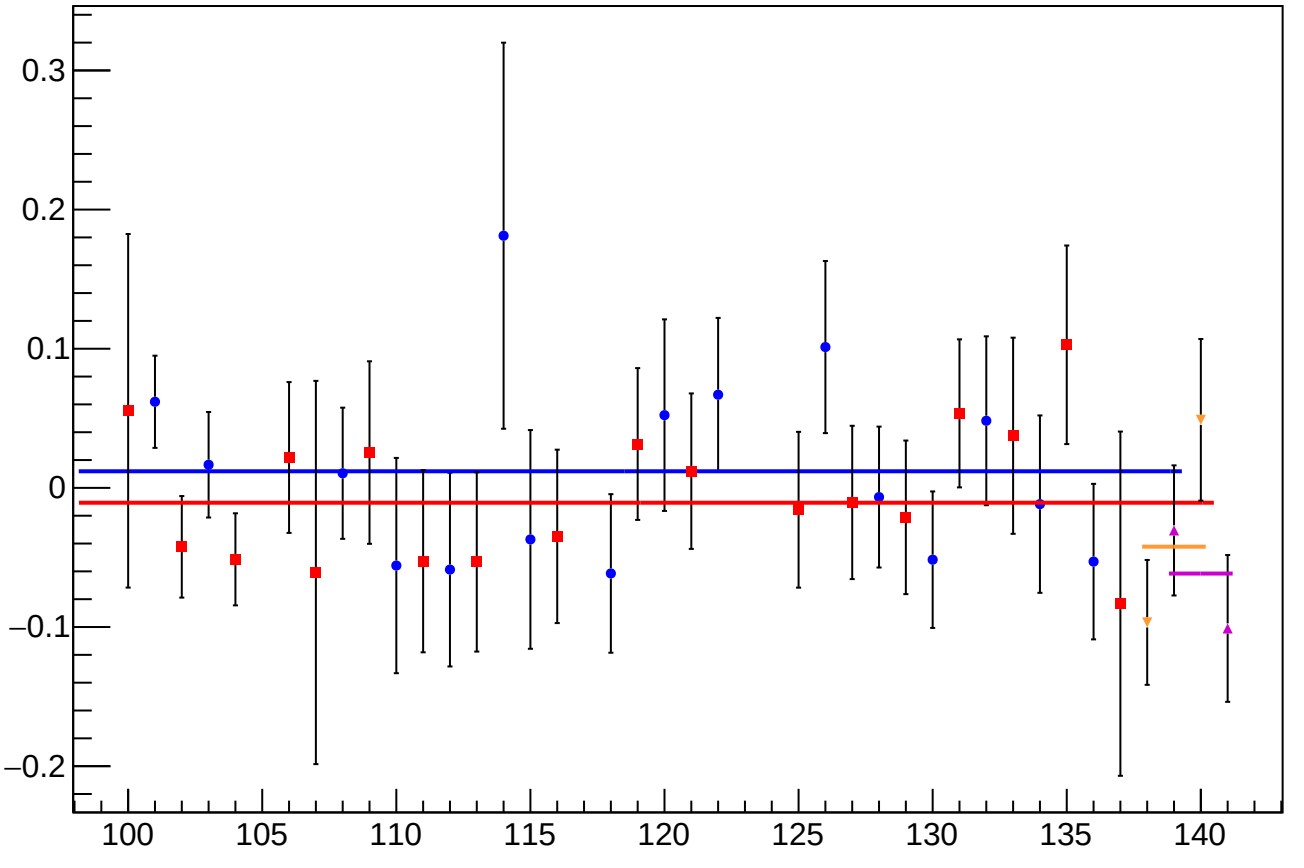
Left: 0.000+/-0.000 χ^2/NDF: 476263.3/3

Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:2548836.3/17

Out: 0.000+/-0.000 χ^2/NDF:3055880.3/19

All: 0.000+/-0.000 χ^2/NDF: 5621351.2/37



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.042+/-0.036 χ^2/NDF:3.9/1

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.062+/-0.035 χ^2/NDF:1.0/1

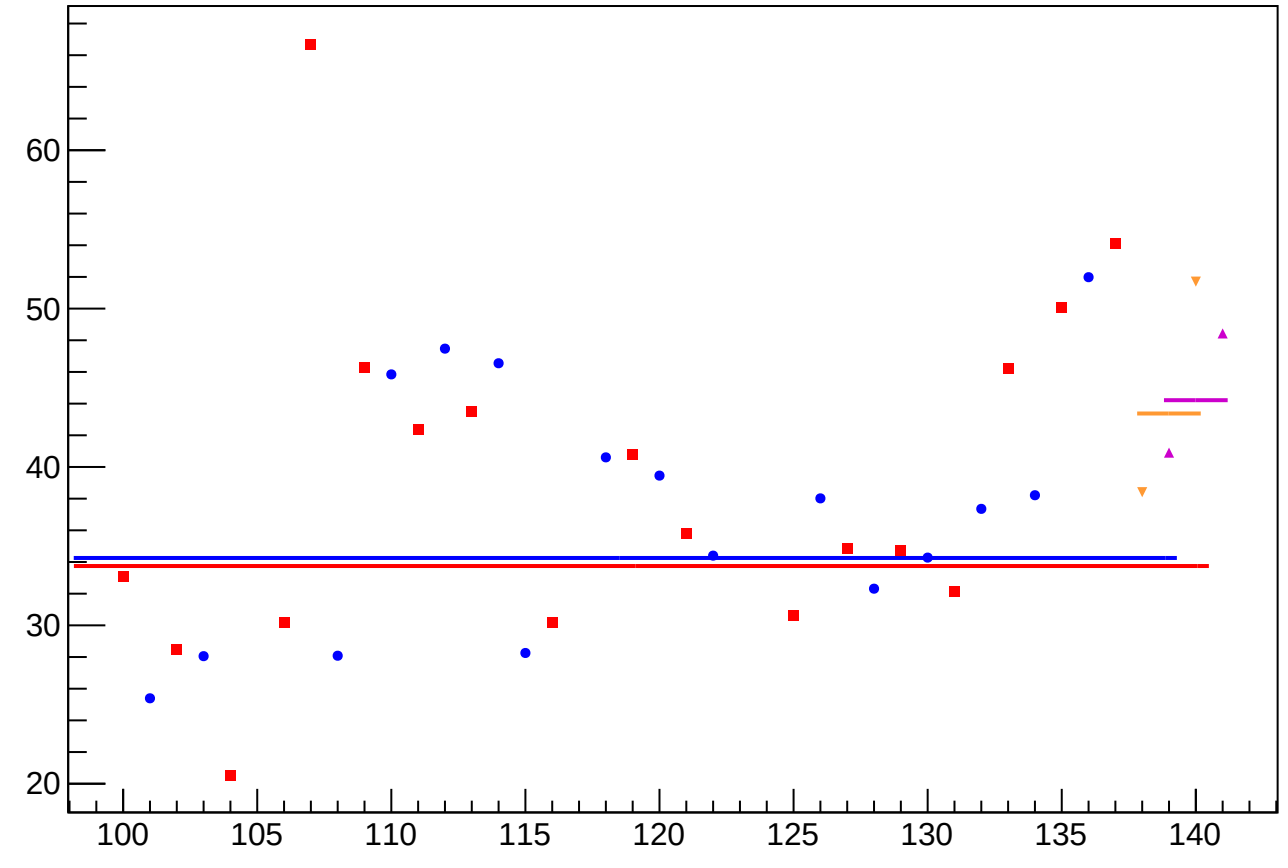
Left: -0.052+/-0.025 χ^2/NDF: 5.1/3

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.002+/-0.013 χ^2/NDF:19.5/17

Out: -0.015+/-0.013 χ^2/NDF:14.6/19

All: -0.006+/-0.009 χ^2/NDF: 35.0/37



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 43.376+/-0.025 χ^2/NDF:65608.5/1

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 44.217+/-0.025 χ^2/NDF:22805.3/1

Left: 43.803+/-0.018 χ^2/NDF: 88982.4/3

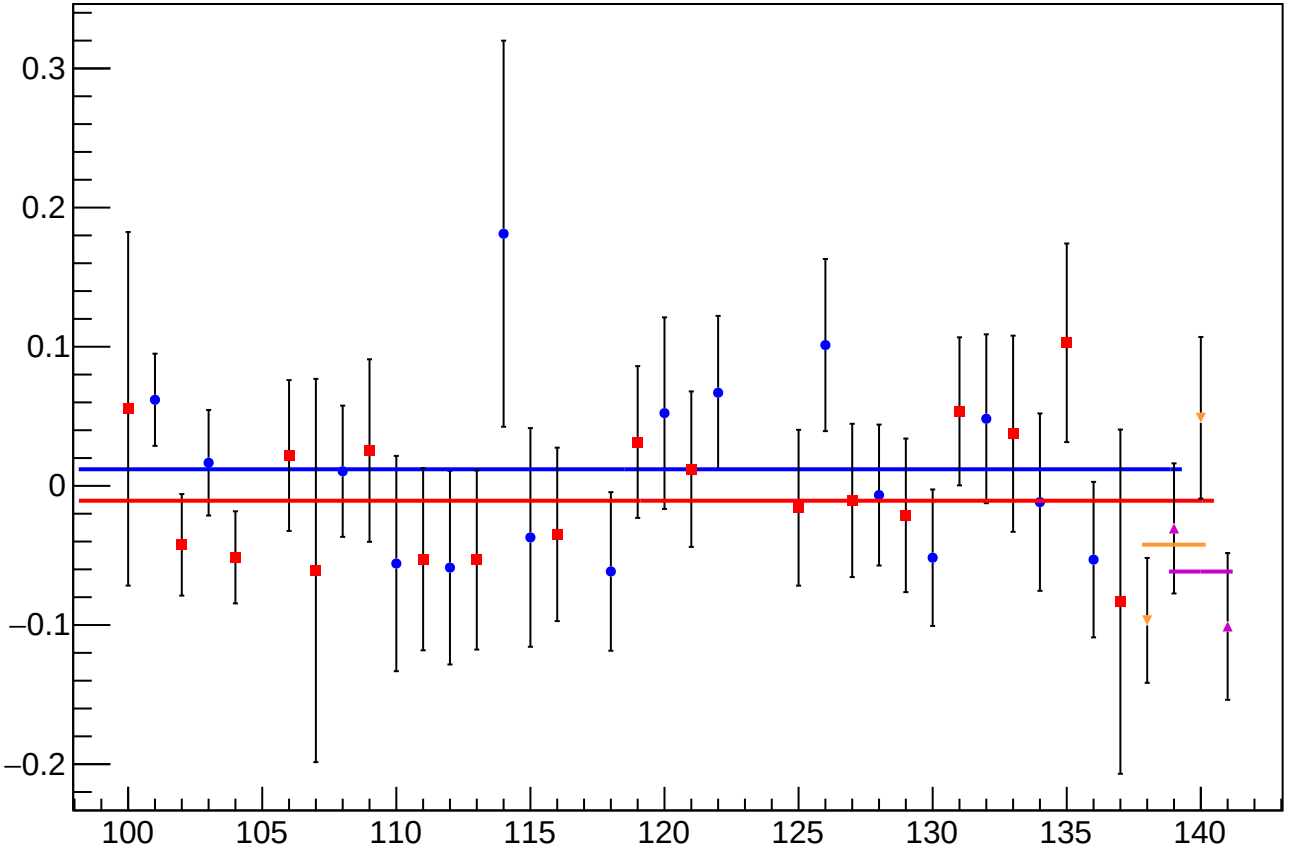
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 35.564+/-0.009 χ^2/NDF:799664.2/17

Out: 34.953+/-0.009 χ^2/NDF:1106192.4/19

All: 35.256+/-0.006 χ^2/NDF: 1908200.8/37

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.042+/-0.036 χ^2/NDF:3.9/1

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.062+/-0.035 χ^2/NDF:1.0/1

Left: -0.052+/-0.025 χ^2/NDF: 5.1/3

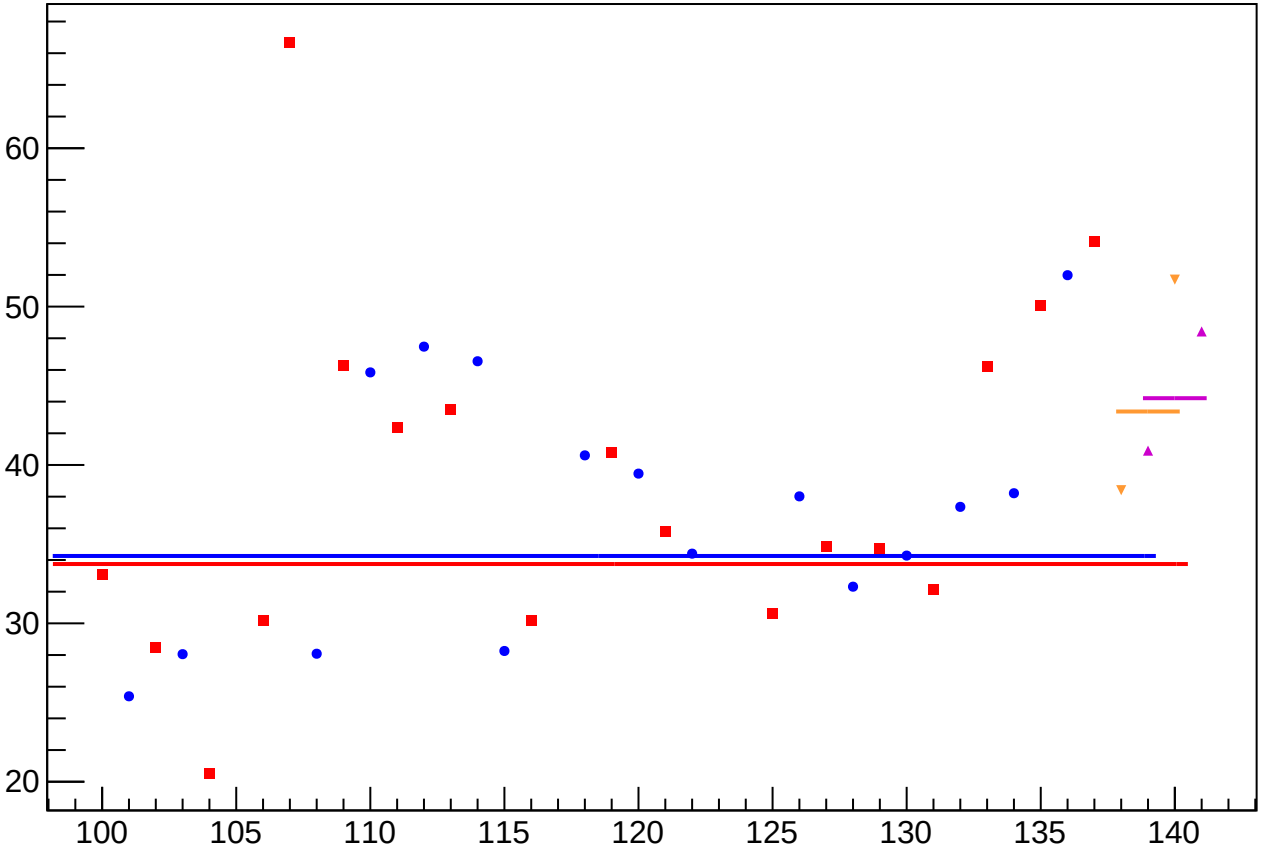
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.002+/-0.013 χ^2/NDF:19.5/17

Out: -0.015+/-0.013 χ^2/NDF:14.6/19

All: -0.006+/-0.009 χ^2/NDF: 35.0/37

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 43.376+/-0.025 χ^2/NDF:65608.5/1

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 44.217+/-0.025 χ^2/NDF:22805.3/1

Left: 43.803+/-0.018 χ^2/NDF: 88982.4/3

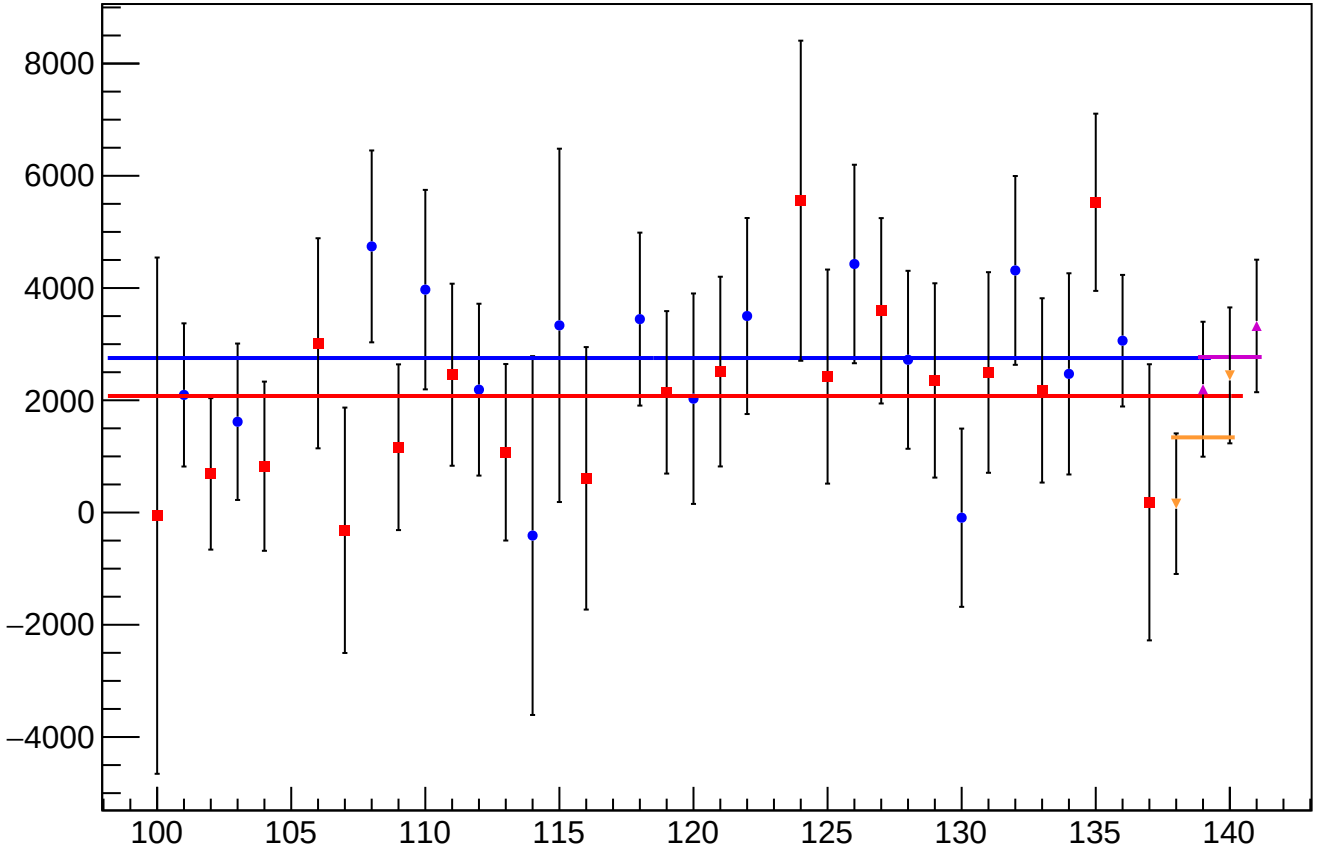
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 35.564+/-0.009 χ^2/NDF:799664.2/17

Out: 34.953+/-0.009 χ^2/NDF:1106192.4/19

All: 35.256+/-0.006 χ^2/NDF: 1908200.8/37

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1339.291+/-870.562 χ^2/NDF:1.7/1

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2771.020+/-842.300 χ^2/NDF:0.4/1

Left: 2078.773+/-605.341 χ^2/NDF: 3.6/3

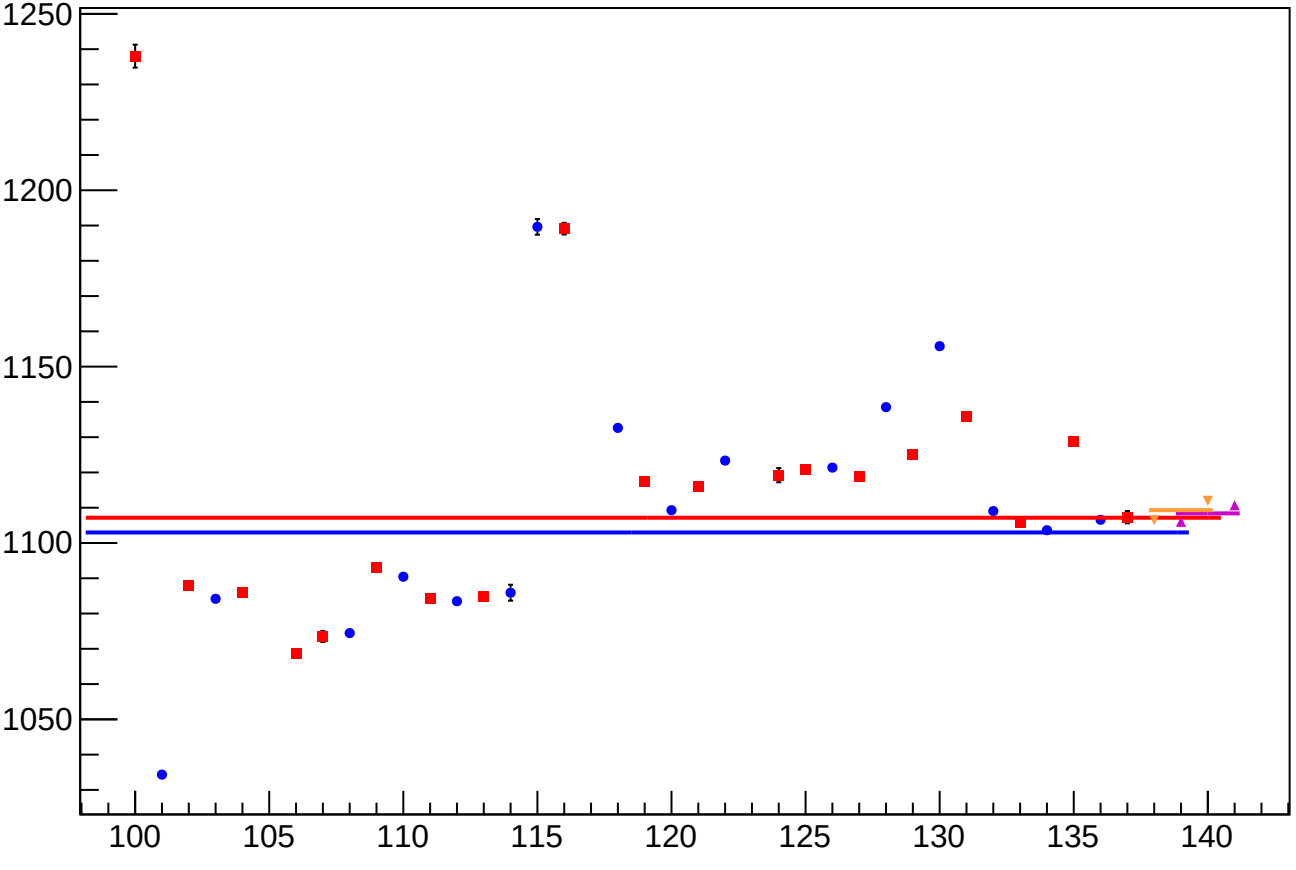
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2756.549+/-368.528 χ^2/NDF:10.0/17

Out: 1945.953+/-366.309 χ^2/NDF:14.9/20

All: 2348.804+/-259.801 χ^2/NDF: 27.2/38

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.308+/-0.616 χ^2/NDF:19.9/1

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.394+/-0.596 χ^2/NDF:15.5/1

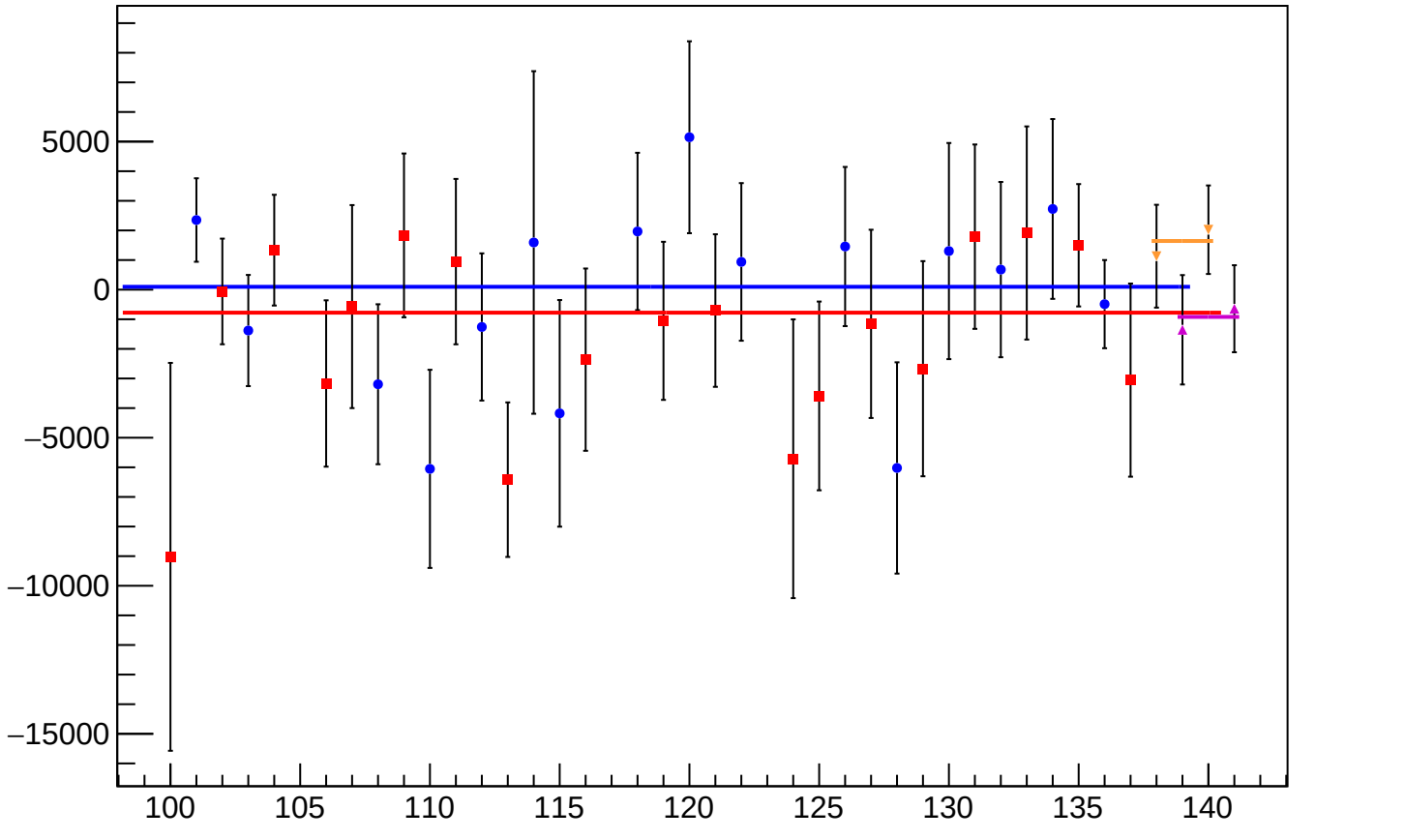
Left: 1108.836+/-0.428 χ^2/NDF: 36.5/3

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1104.023+/-0.261 χ^2/NDF:13305.9/17

Out: 1107.540+/-0.259 χ^2/NDF:8713.3/20

All: 1105.792+/-0.184 χ^2/NDF: 22110.8/38



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1643.362+/-1132.700 χ^2/NDF:0.2/1

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -919.839+/-1149.918 χ^2/NDF:0.1/1

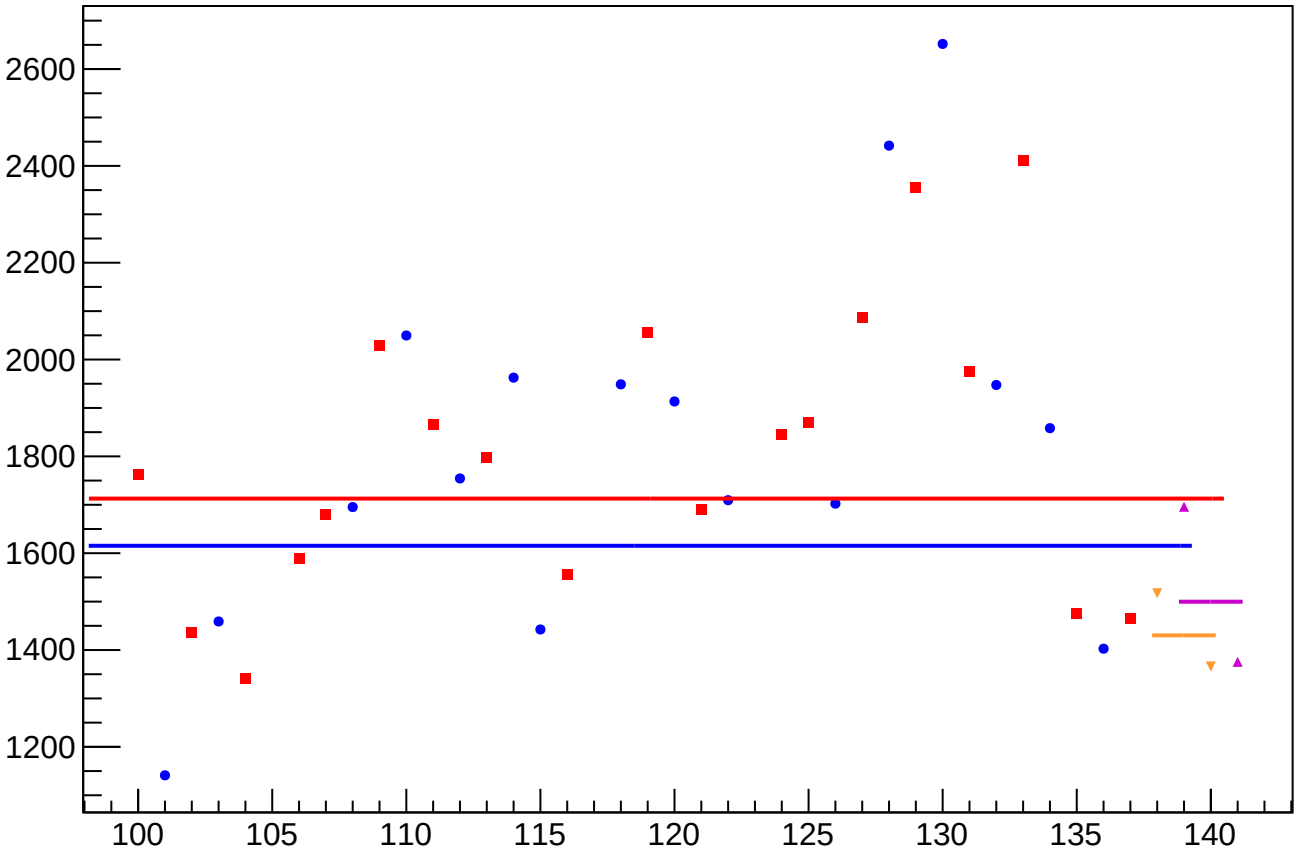
Left: 381.095+/-806.958 χ^2/NDF: 2.8/3

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -131.742+/-544.430 χ^2/NDF:17.6/17

Out: -195.494+/-555.201 χ^2/NDF:18.7/20

All: -162.994+/-388.723 χ^2/NDF: 36.3/38



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF:8719.9/1

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1499.810+/-0.813 χ^2/NDF:36835.3/1

Left: 1464.537+/-0.571 χ^2/NDF: 49262.8/3

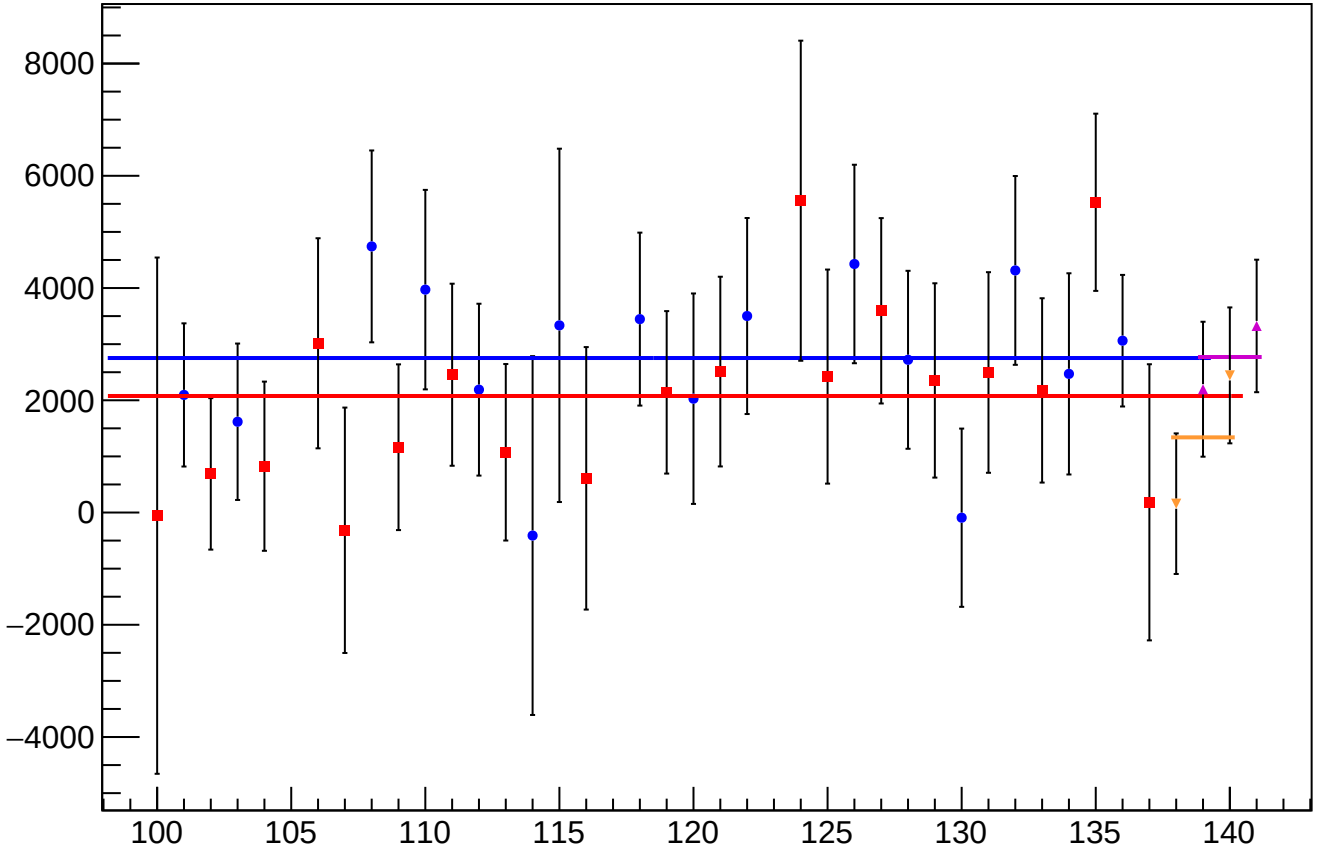
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1589.424+/-0.385 χ^2/NDF:746121.2/17

Out: 1644.930+/-0.393 χ^2/NDF:531291.4/20

All: 1616.633+/-0.275 χ^2/NDF: 1287603.1/38

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1339.291+/-870.562 χ^2/NDF:1.7/1

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2771.020+/-842.300 χ^2/NDF:0.4/1

Left: 2078.773+/-605.341 χ^2/NDF: 3.6/3

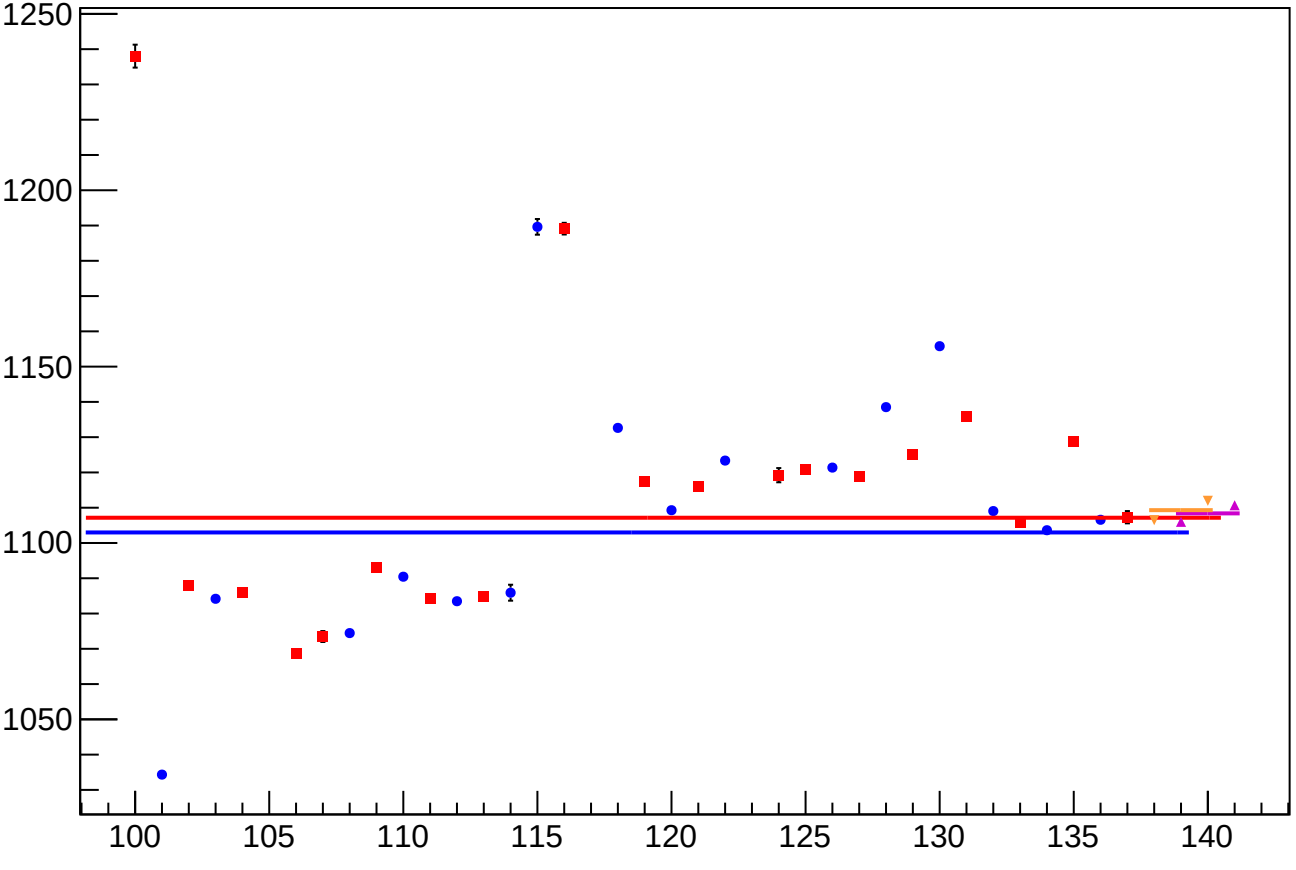
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2756.549+/-368.528 χ^2/NDF:10.0/17

Out: 1945.953+/-366.309 χ^2/NDF:14.9/20

All: 2348.804+/-259.801 χ^2/NDF: 27.2/38

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.308+/-0.616 χ^2/NDF:19.9/1

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.394+/-0.596 χ^2/NDF:15.5/1

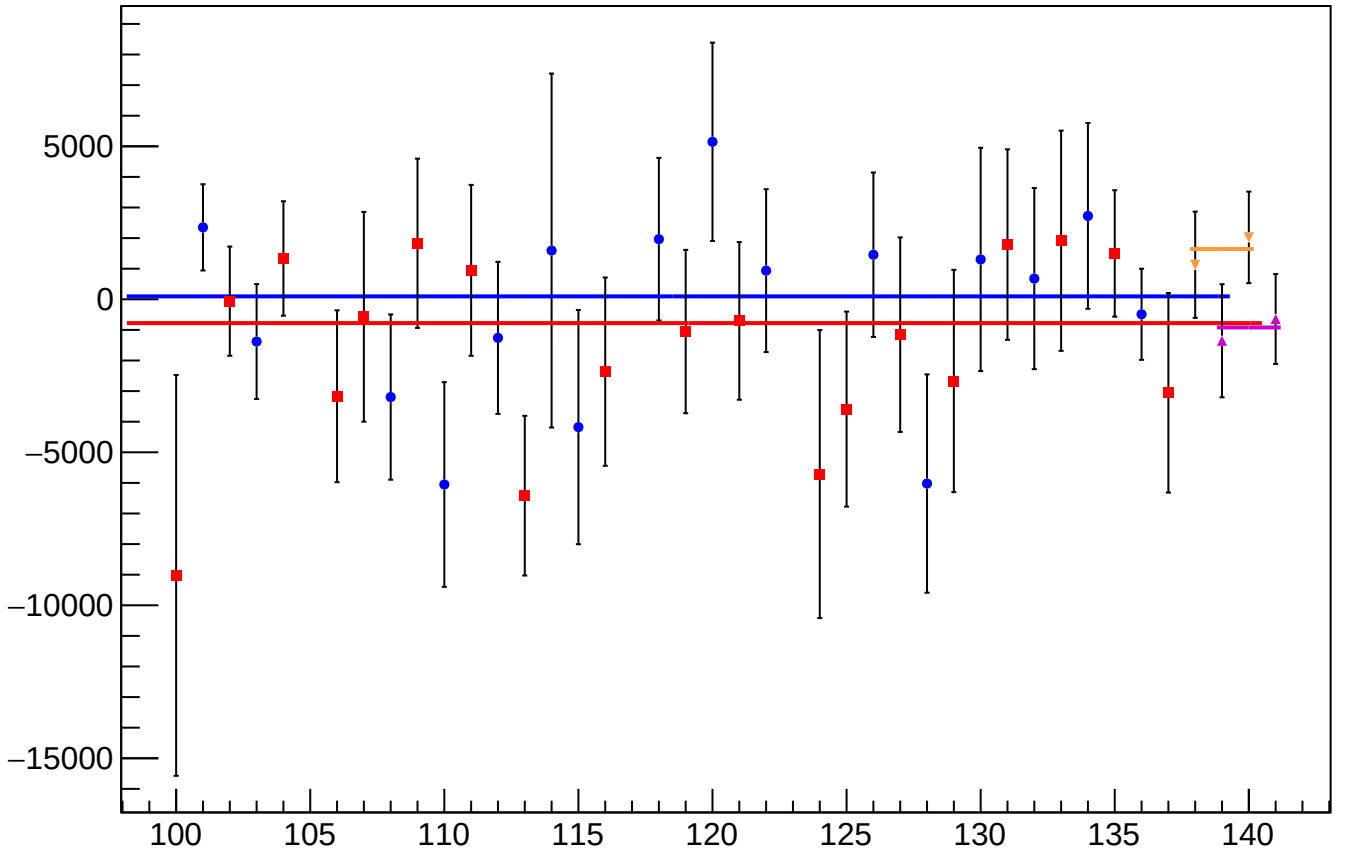
Left: 1108.836+/-0.428 χ^2/NDF: 36.5/3

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1104.023+/-0.261 χ^2/NDF:13305.9/17

Out: 1107.540+/-0.259 χ^2/NDF:8713.3/20

All: 1105.792+/-0.184 χ^2/NDF: 22110.8/38



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1643.362+/-1132.700 χ^2/NDF:0.2/1

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -919.839+/-1149.918 χ^2/NDF:0.1/1

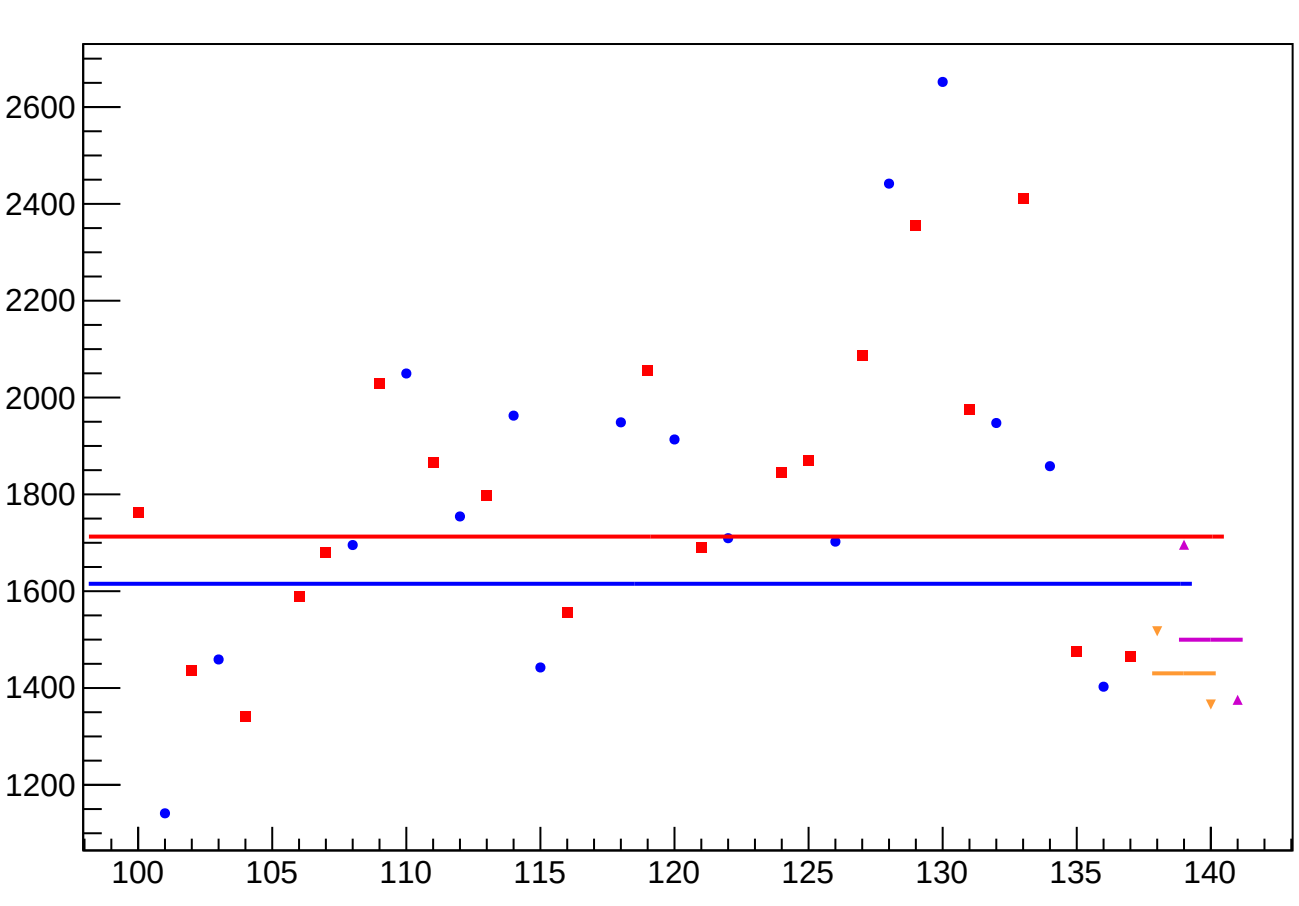
Left: 381.095+/-806.958 χ^2/NDF: 2.8/3

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -131.742+/-544.430 χ^2/NDF:17.6/17

Out: -195.494+/-555.201 χ^2/NDF:18.7/20

All: -162.994+/-388.723 χ^2/NDF: 36.3/38



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF:8719.9/1

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1499.810+/-0.813 χ^2/NDF:36835.3/1

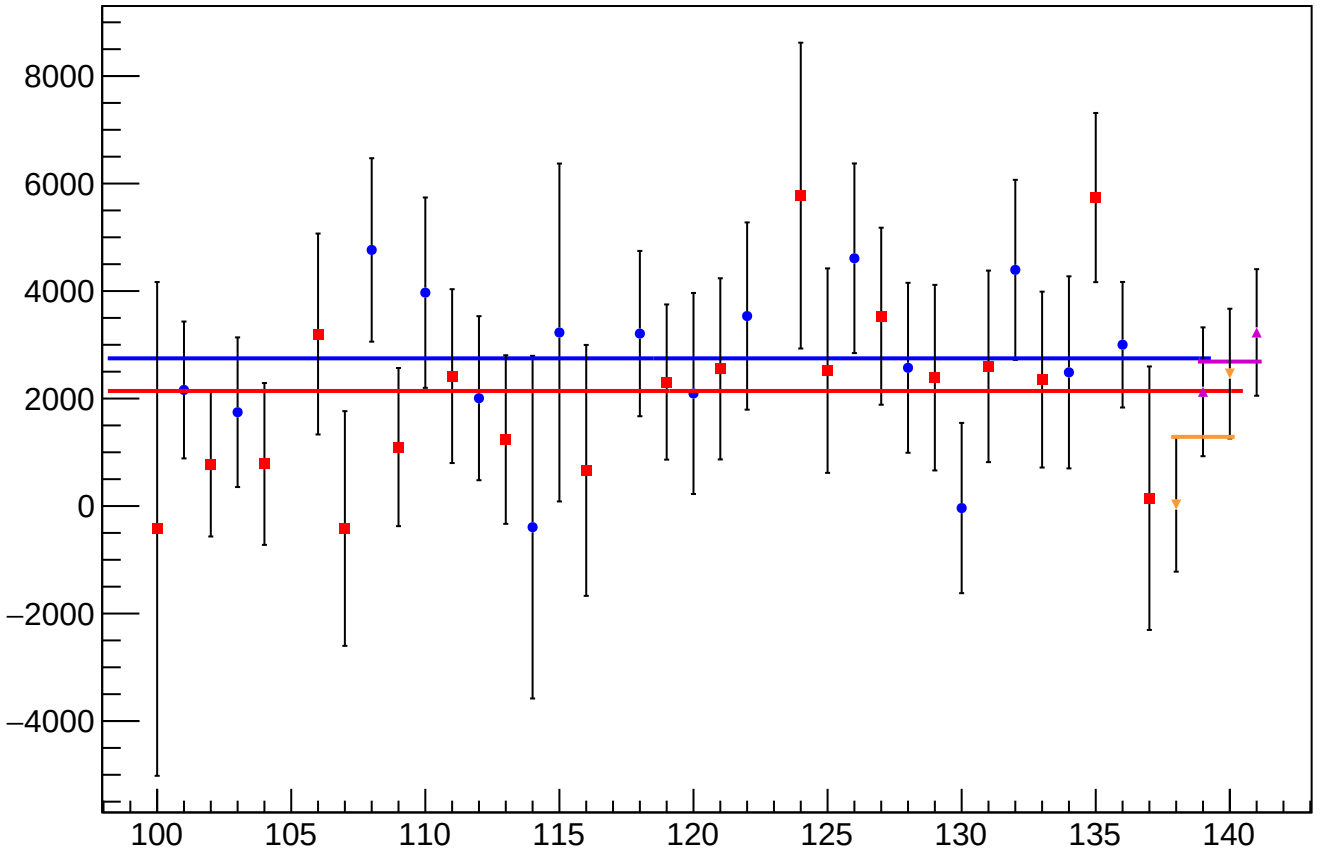
Left: 1464.537+/-0.571 χ^2/NDF: 49262.8/3

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1589.424+/-0.385 χ^2/NDF:746121.2/17

Out: 1644.930+/-0.393 χ^2/NDF:531291.4/20

All: 1616.633+/-0.275 χ^2/NDF: 1287603.1/38



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1287.243+/-867.570 χ^2/NDF:2.0/1

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2687.651+/-840.058 χ^2/NDF:0.4/1

Left: 2010.004+/-603.503 χ^2/NDF: 3.7/3

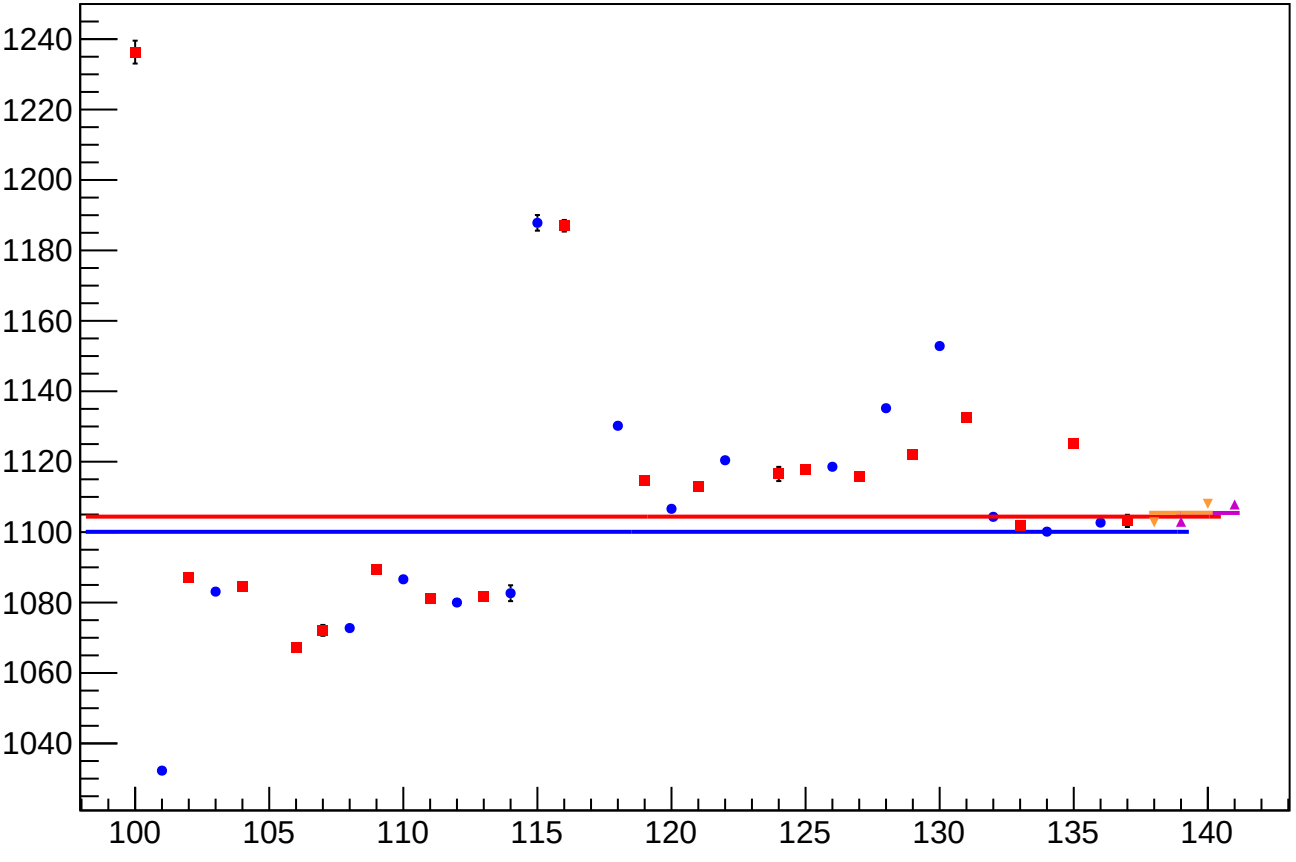
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2736.398+/-367.557 χ^2/NDF:9.9/17

Out: 1989.746+/-365.335 χ^2/NDF:16.3/20

All: 2360.808+/-259.113 χ^2/NDF: 28.3/38

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1105.498+/-0.613 χ^2/NDF:18.4/1

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1105.443+/-0.594 χ^2/NDF:17.0/1

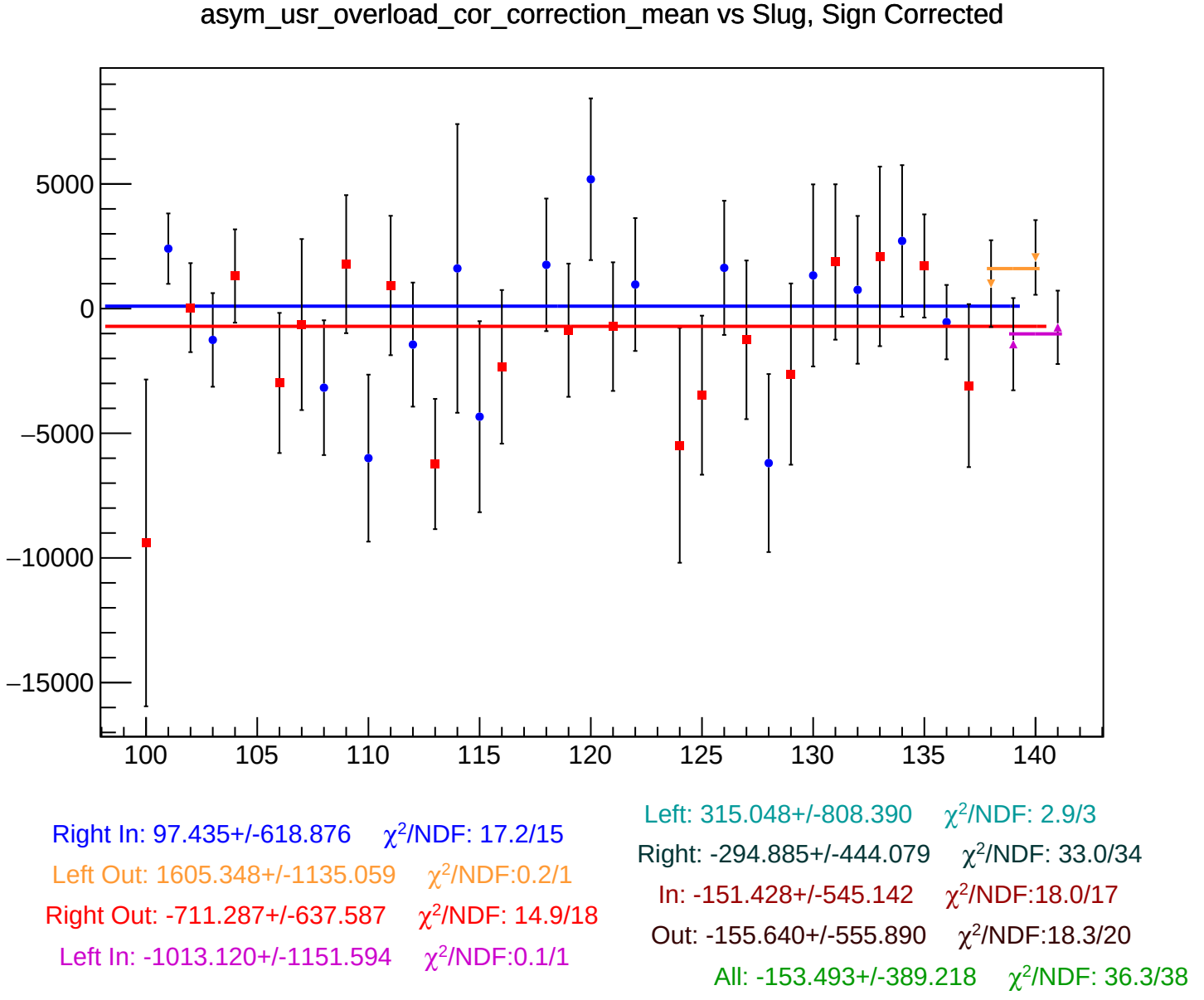
Left: 1105.470+/-0.427 χ^2/NDF: 35.4/3

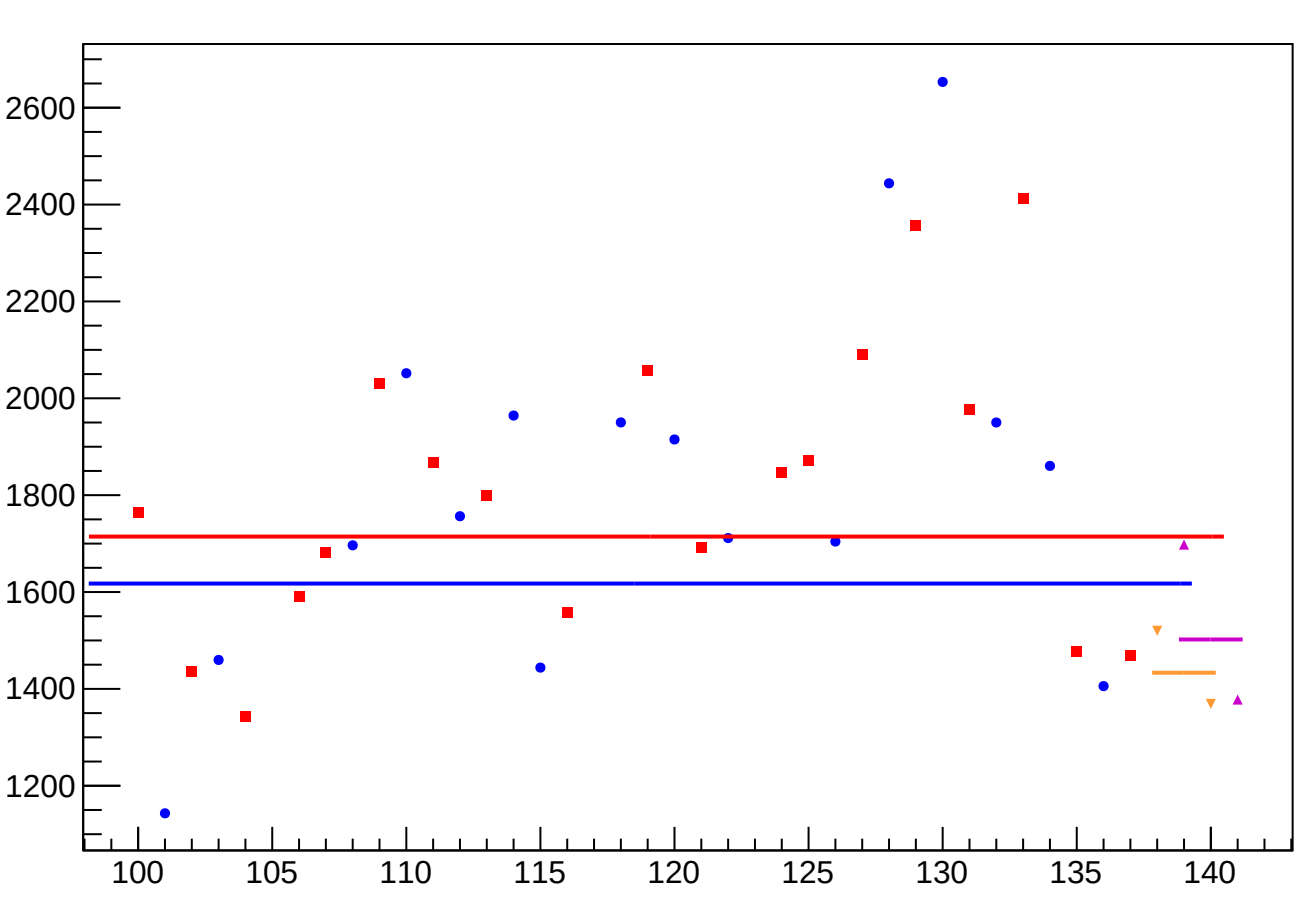
Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1101.115+/-0.260 χ^2/NDF:13159.8/17

Out: 1104.597+/-0.258 χ^2/NDF:8564.5/20

All: 1102.867+/-0.183 χ^2/NDF: 21814.7/38


asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
Right In: 97.435+/-618.876 χ²/NDF: 17.2/15
Left Out: 1605.348+/-1135.059 χ²/NDF:0.2/1
Right Out: -711.287+/-637.587 χ²/NDF: 14.9/18
Left In: -1013.120+/-1151.594 χ²/NDF:0.1/1
Left: 315.048+/-808.390 χ²/NDF: 2.9/3
Right: -294.885+/-444.079 χ²/NDF: 33.0/34
In: -151.428+/-545.142 χ²/NDF:18.0/17
Out: -155.640+/-555.890 χ²/NDF:18.3/20
All: -153.493+/-389.218 χ²/NDF: 36.3/38



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1433.360+/-0.803 χ^2/NDF:8651.0/1

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1502.048+/-0.814 χ^2/NDF:36648.5/1

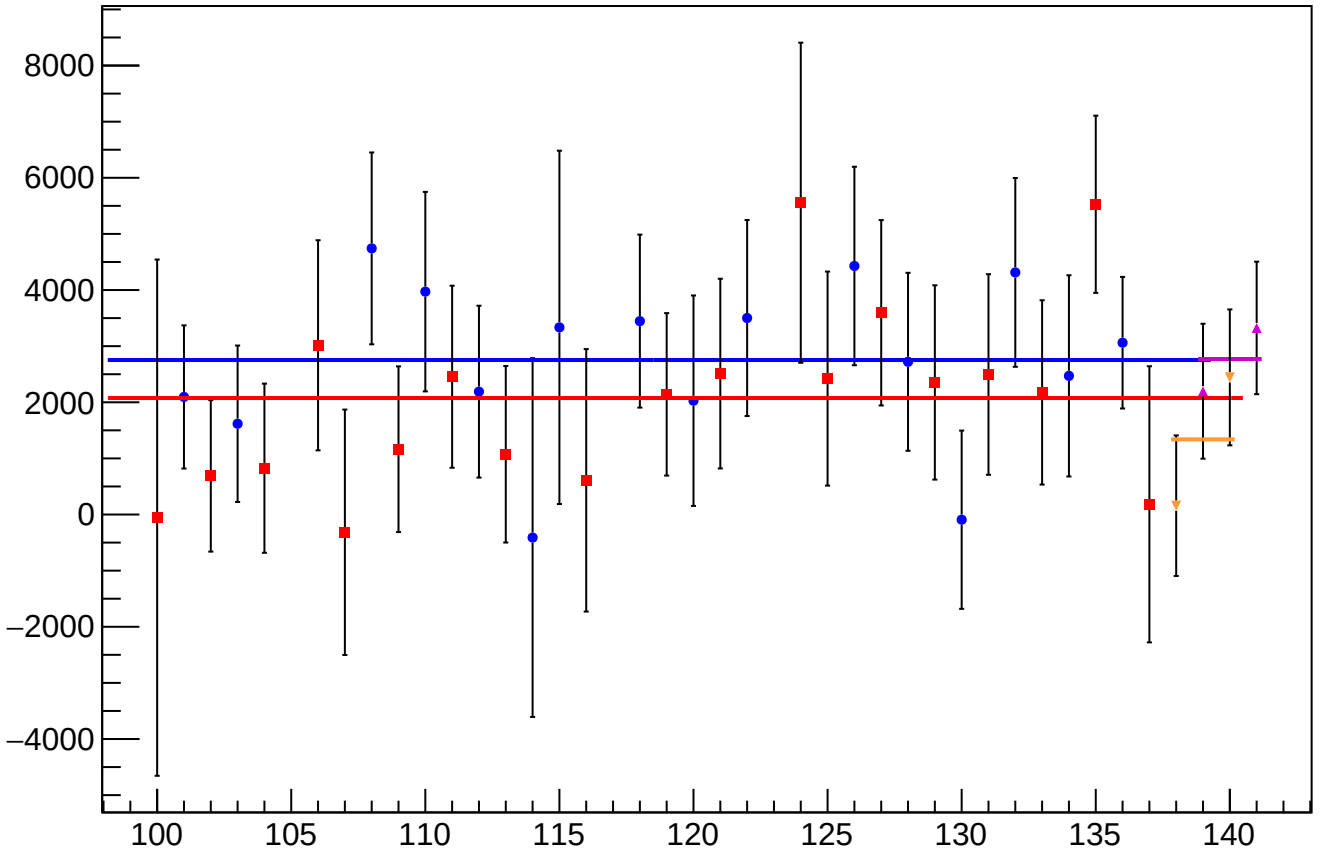
Left: 1467.207+/-0.572 χ^2/NDF: 48908.6/3

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1591.621+/-0.385 χ^2/NDF:743968.5/17

Out: 1647.074+/-0.393 χ^2/NDF:529635.1/20

All: 1618.806+/-0.275 χ^2/NDF: 1283748.9/38



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1339.291+/-870.562 χ^2/NDF:1.7/1

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2771.020+/-842.300 χ^2/NDF:0.4/1

Left: 2078.773+/-605.341 χ^2/NDF: 3.6/3

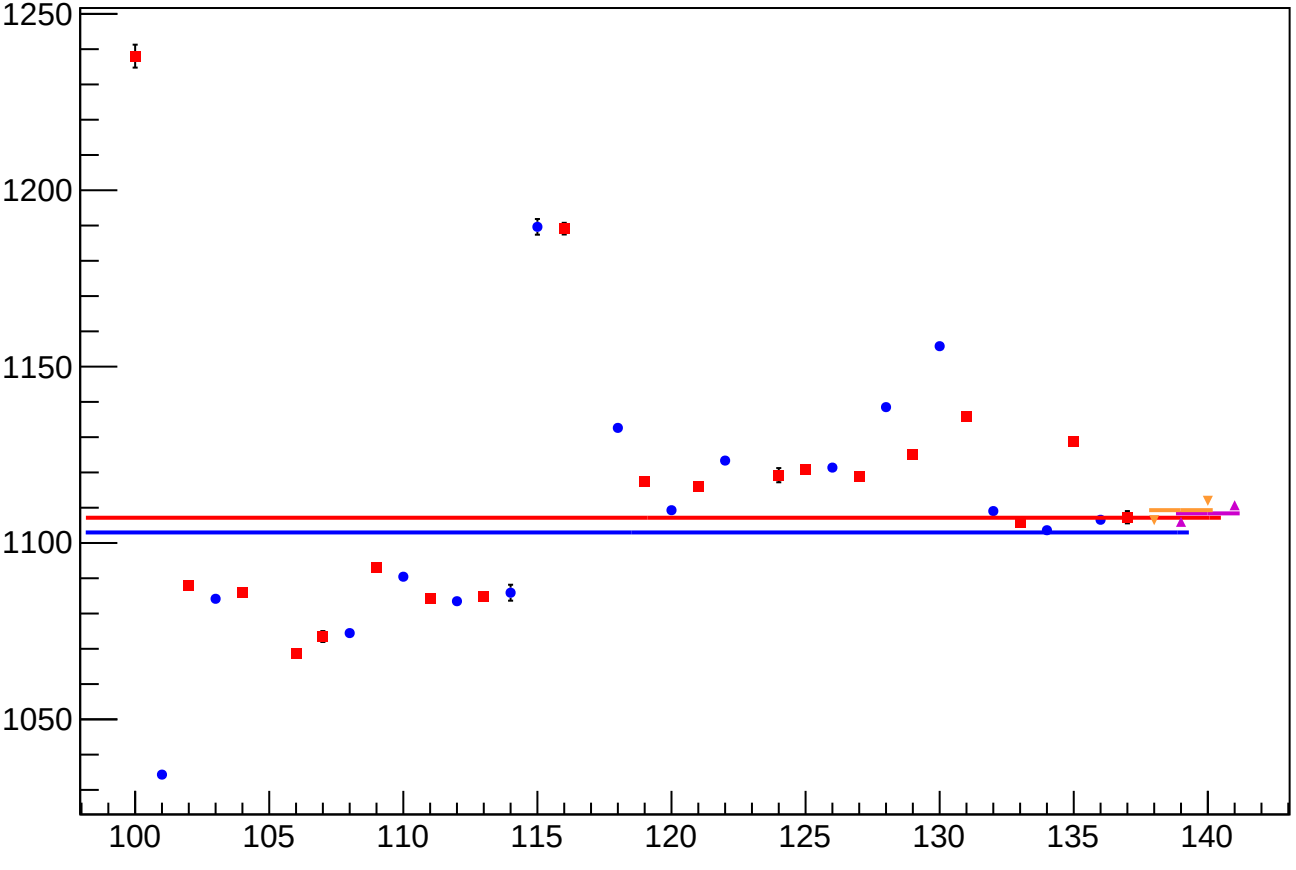
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2756.549+/-368.528 χ^2/NDF:10.0/17

Out: 1945.953+/-366.309 χ^2/NDF:14.9/20

All: 2348.804+/-259.801 χ^2/NDF: 27.2/38

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.308+/-0.616 χ^2/NDF:19.9/1

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.394+/-0.596 χ^2/NDF:15.5/1

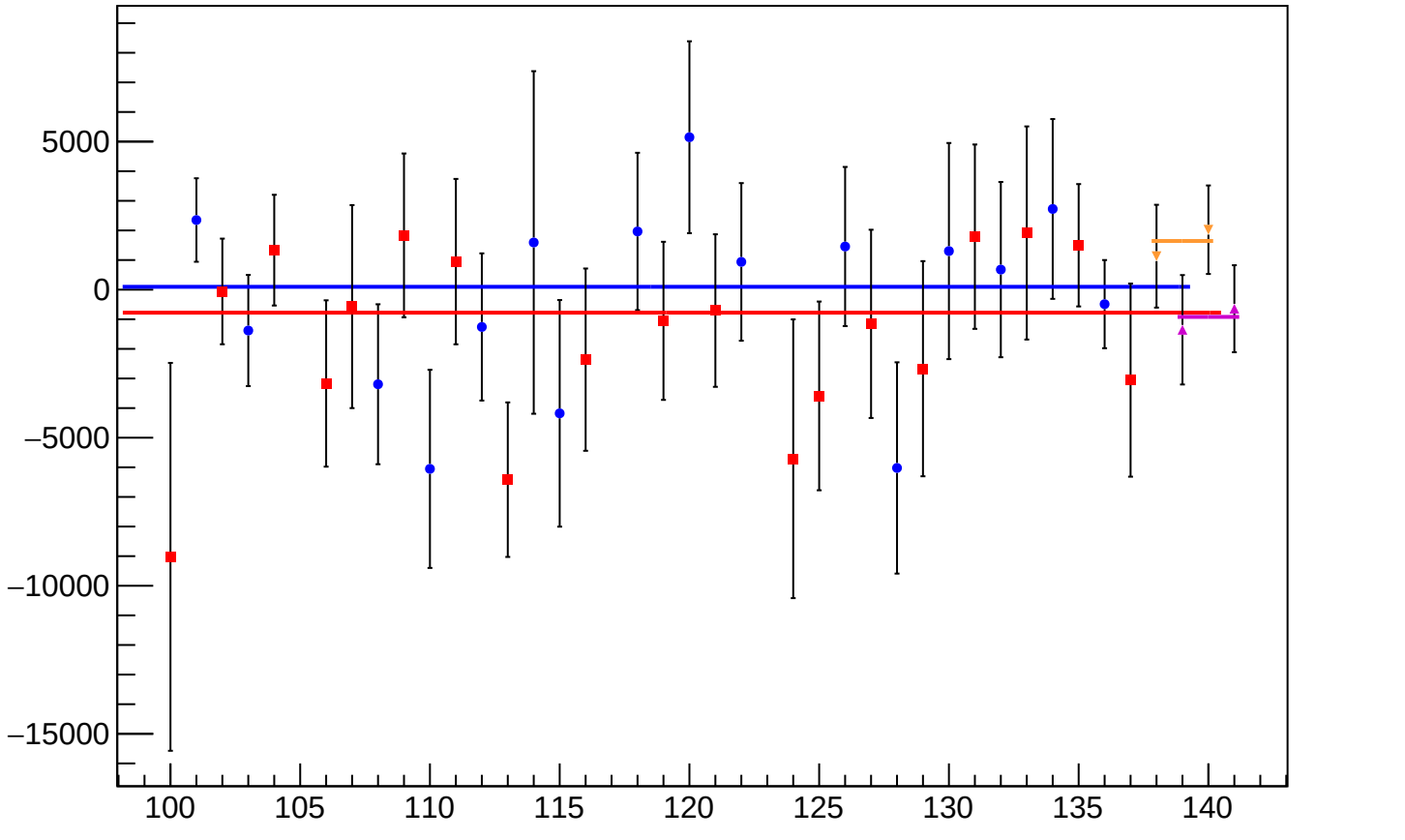
Left: 1108.836+/-0.428 χ^2/NDF: 36.5/3

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1104.023+/-0.261 χ^2/NDF:13305.9/17

Out: 1107.540+/-0.259 χ^2/NDF:8713.3/20

All: 1105.792+/-0.184 χ^2/NDF: 22110.8/38



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1643.362+/-1132.700 χ^2/NDF:0.2/1

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -919.839+/-1149.918 χ^2/NDF:0.1/1

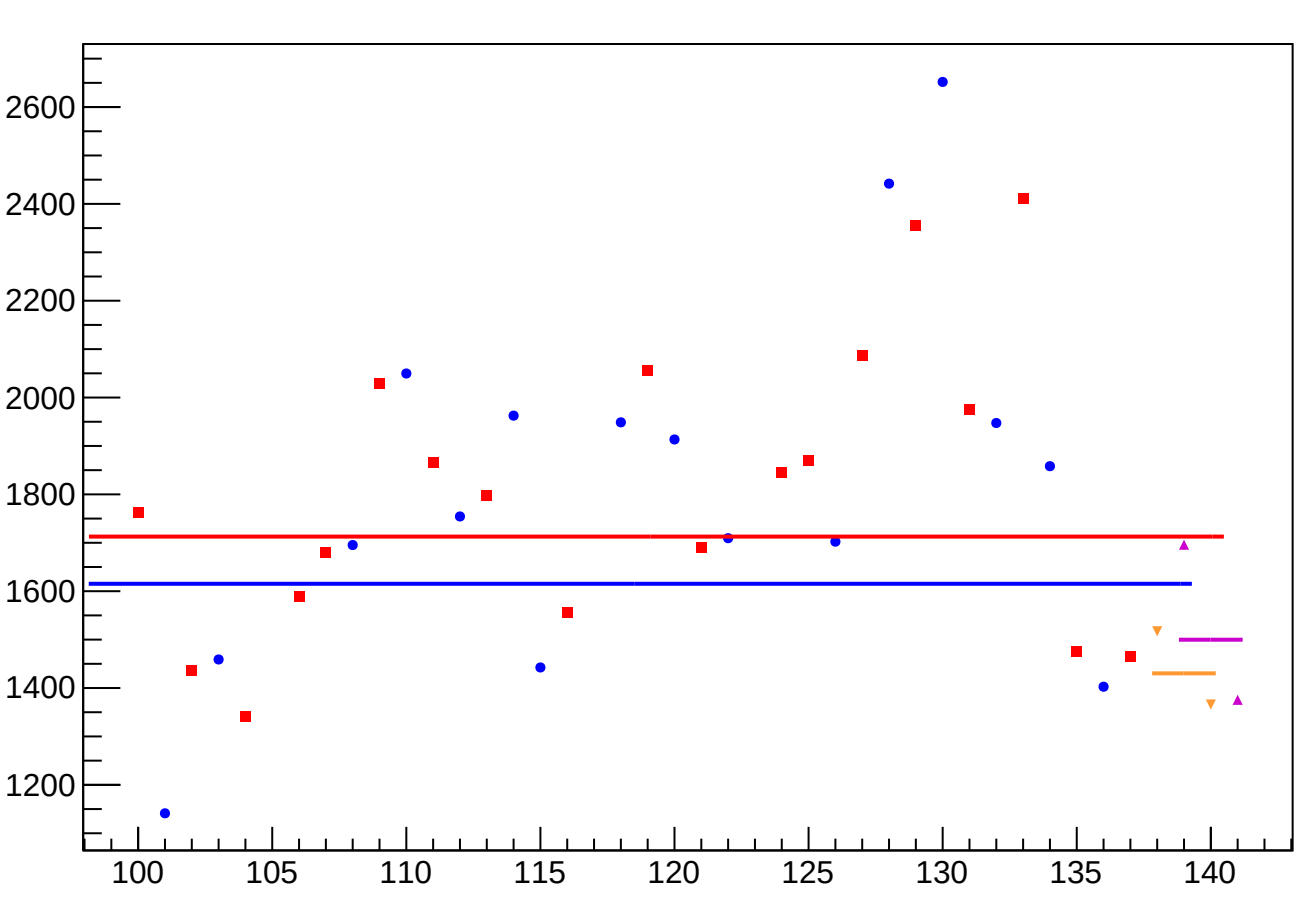
Left: 381.095+/-806.958 χ^2/NDF: 2.8/3

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -131.742+/-544.430 χ^2/NDF:17.6/17

Out: -195.494+/-555.201 χ^2/NDF:18.7/20

All: -162.994+/-388.723 χ^2/NDF: 36.3/38



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.312+/-0.801 χ^2/NDF:8719.9/1

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1499.810+/-0.813 χ^2/NDF:36835.3/1

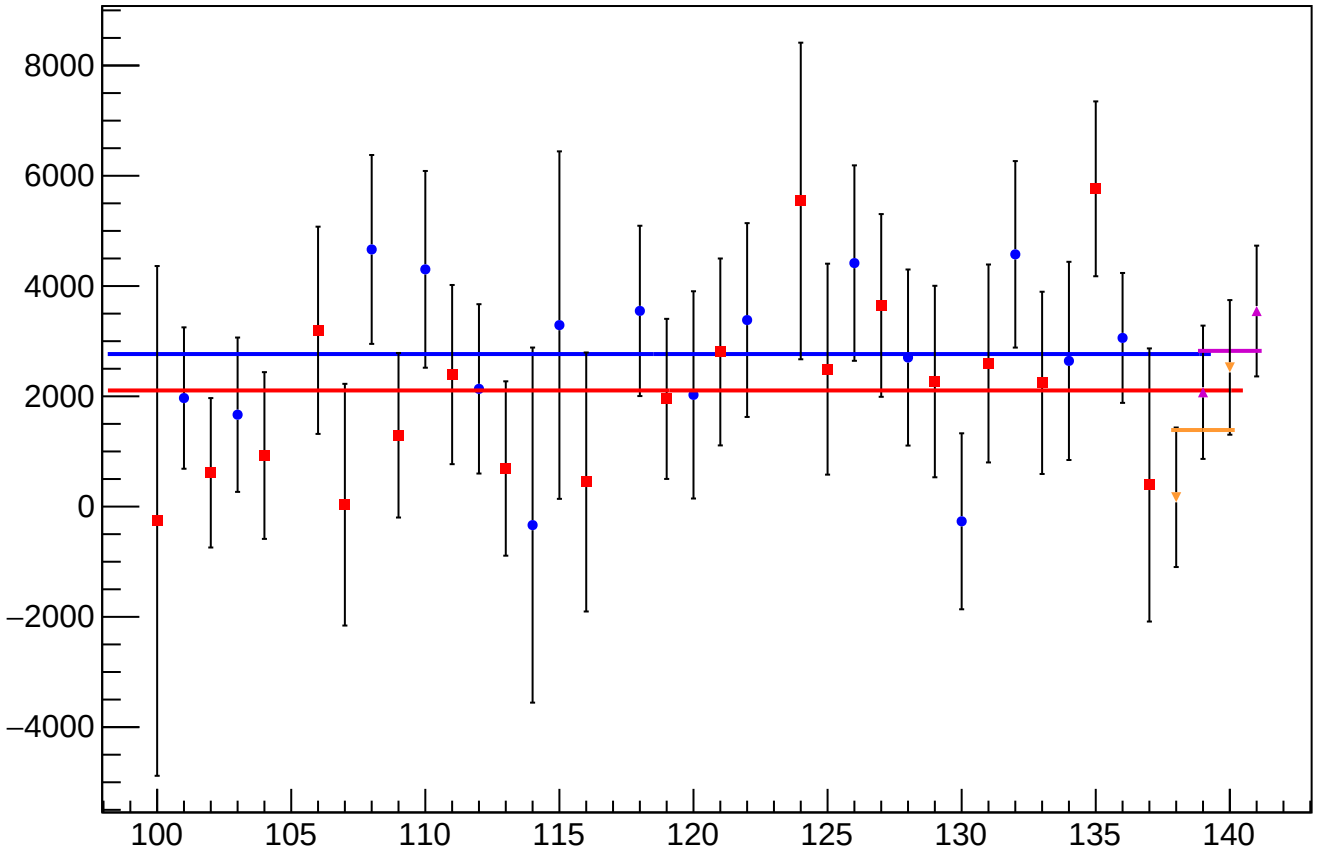
Left: 1464.537+/-0.571 χ^2/NDF: 49262.8/3

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1589.424+/-0.385 χ^2/NDF:746121.2/17

Out: 1644.930+/-0.393 χ^2/NDF:531291.4/20

All: 1616.633+/-0.275 χ^2/NDF: 1287603.1/38



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1388.730+/-878.593 χ^2/NDF:1.8/1

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2824.237+/-846.546 χ^2/NDF:0.8/1

Left: 2133.141+/-609.613 χ^2/NDF: 3.9/3

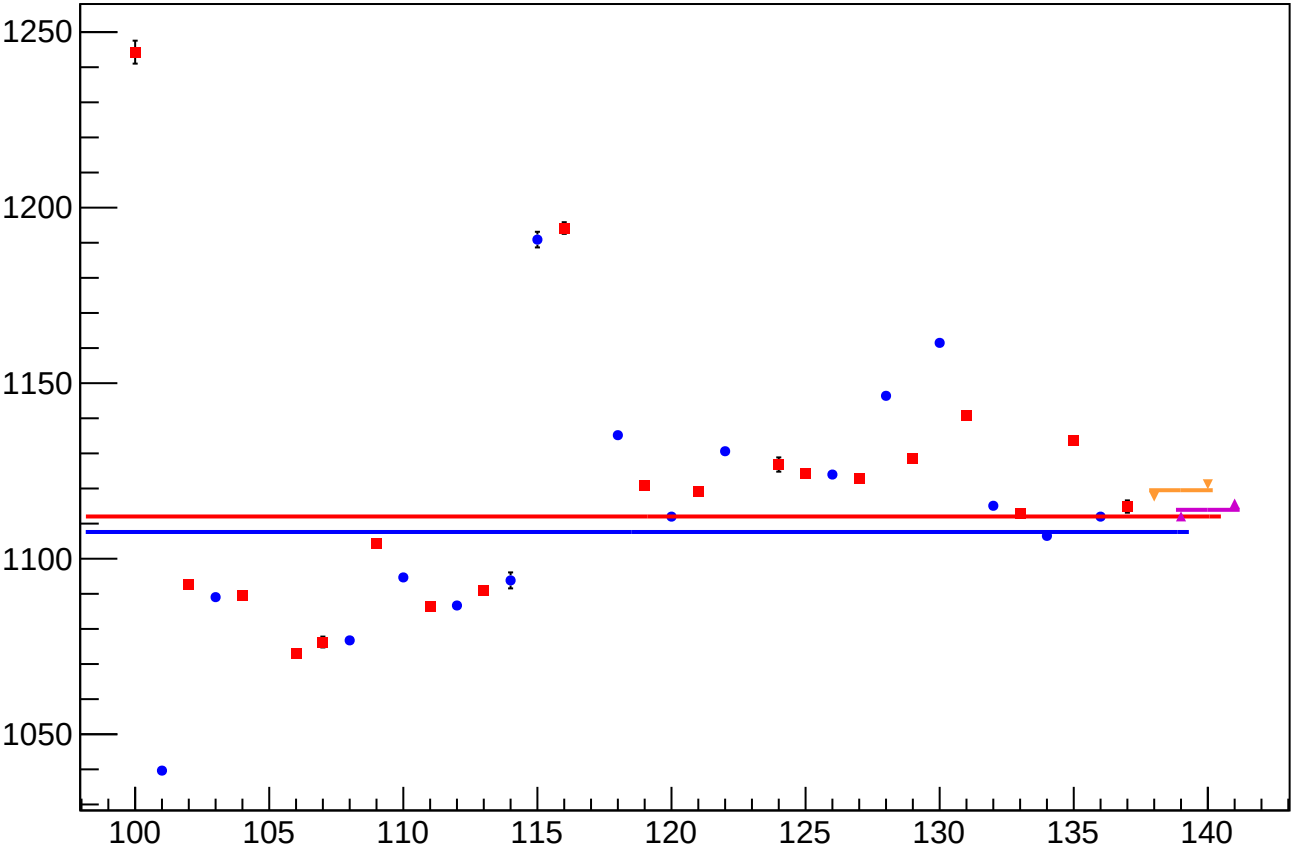
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2777.664+/-370.138 χ^2/NDF:11.1/17

Out: 1980.294+/-368.243 χ^2/NDF:15.7/20

All: 2376.932+/-261.054 χ^2/NDF: 29.1/38

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1119.510+/-0.621 χ^2/NDF:7.8/1

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1113.927+/-0.599 χ^2/NDF:9.3/1

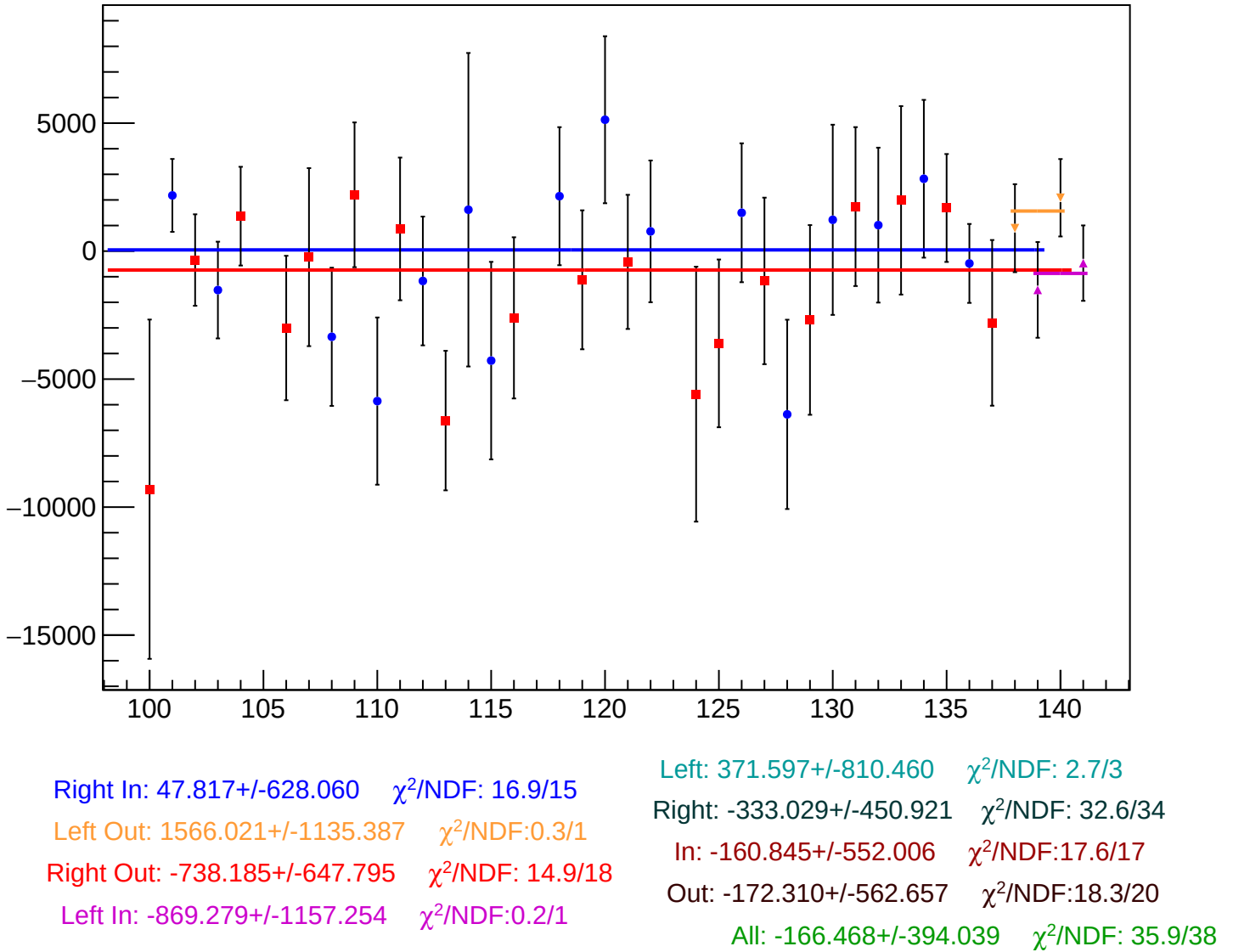
Left: 1116.615+/-0.431 χ^2/NDF: 59.0/3

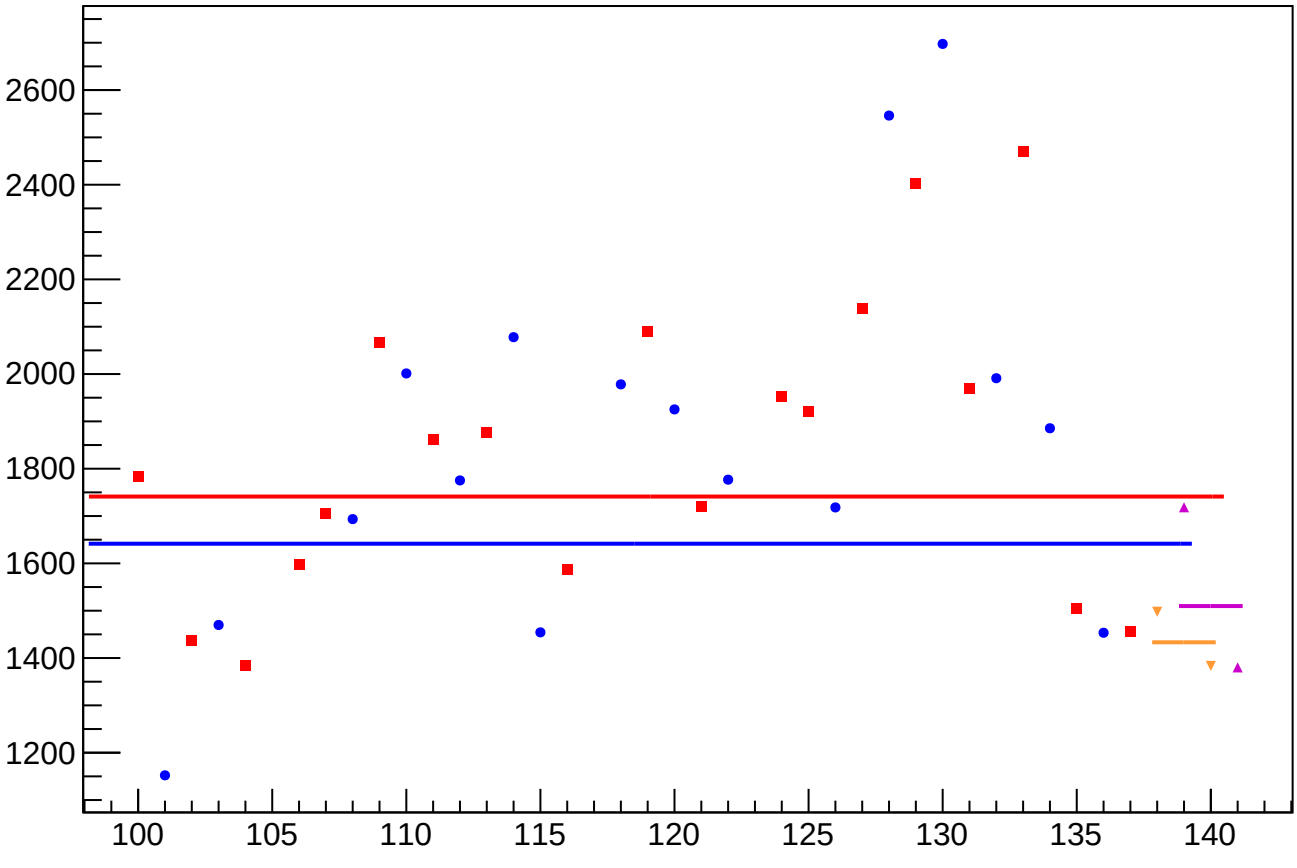
Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1108.821+/-0.262 χ^2/NDF:13320.1/17

Out: 1113.343+/-0.260 χ^2/NDF:8780.8/20

All: 1111.094+/-0.185 χ^2/NDF: 22251.0/38


asym_usr_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
Right In: 47.817+/-628.060 χ²/NDF: 16.9/15
Left Out: 1566.021+/-1135.387 χ²/NDF:0.3/1
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: -869.279+/-1157.254 χ²/NDF:0.2/1
Left: 371.597+/-810.460 χ²/NDF: 2.7/3
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: -160.845+/-552.006 χ²/NDF:17.6/17
Out: -172.310+/-562.657 χ²/NDF:18.3/20
All: -166.468+/-394.039 χ²/NDF: 35.9/38



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1433.238+/-0.803 χ^2/NDF:5000.0/1

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1509.824+/-0.818 χ^2/NDF:40383.6/1

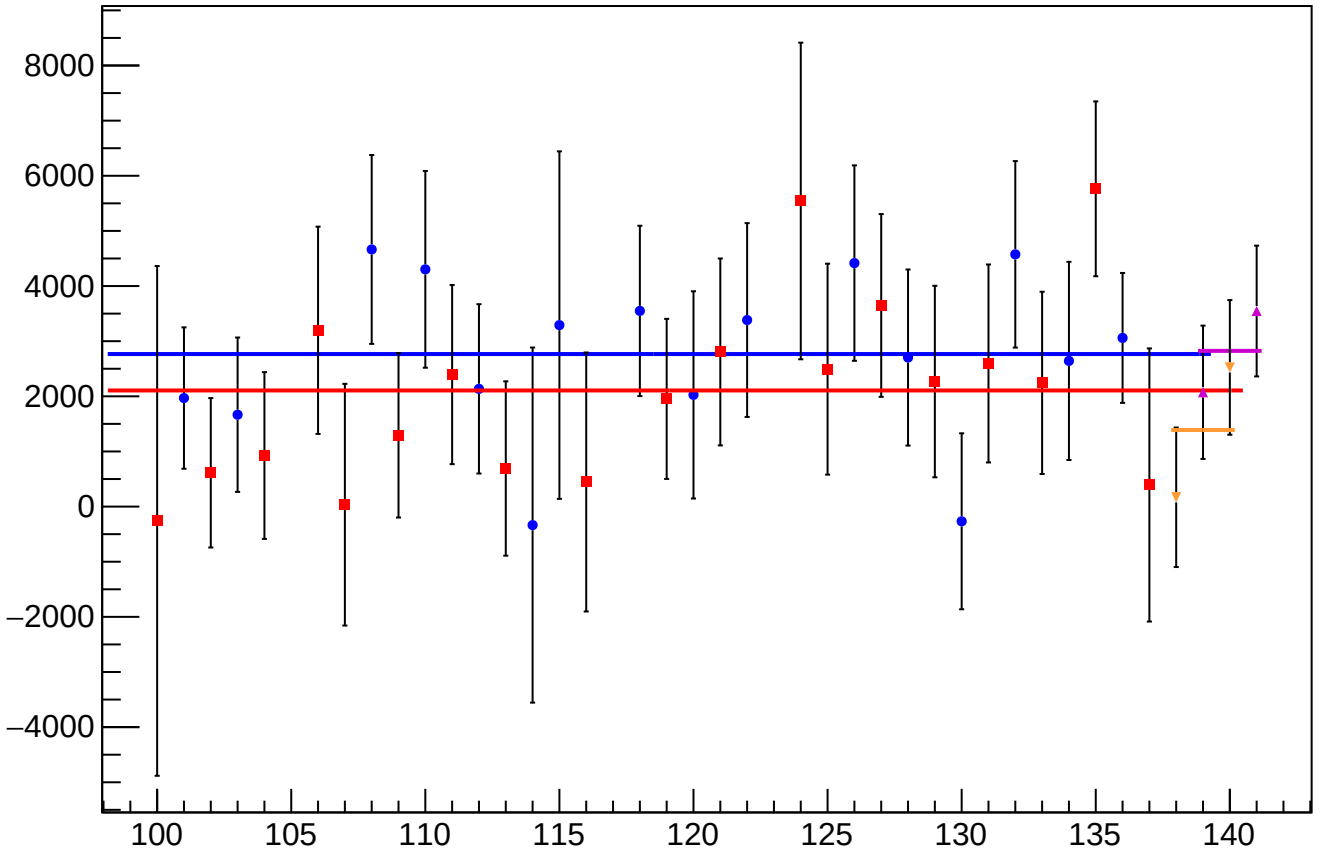
Left: 1470.801+/-0.573 χ^2/NDF: 49846.8/3

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1611.570+/-0.390 χ^2/NDF:761708.3/17

Out: 1665.570+/-0.398 χ^2/NDF:554342.6/20

All: 1638.054+/-0.279 χ^2/NDF: 1325437.8/38



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1388.732+/-878.593 χ^2/NDF:1.8/1

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2824.231+/-846.546 χ^2/NDF:0.8/1

Left: 2133.139+/-609.613 χ^2/NDF: 3.9/3

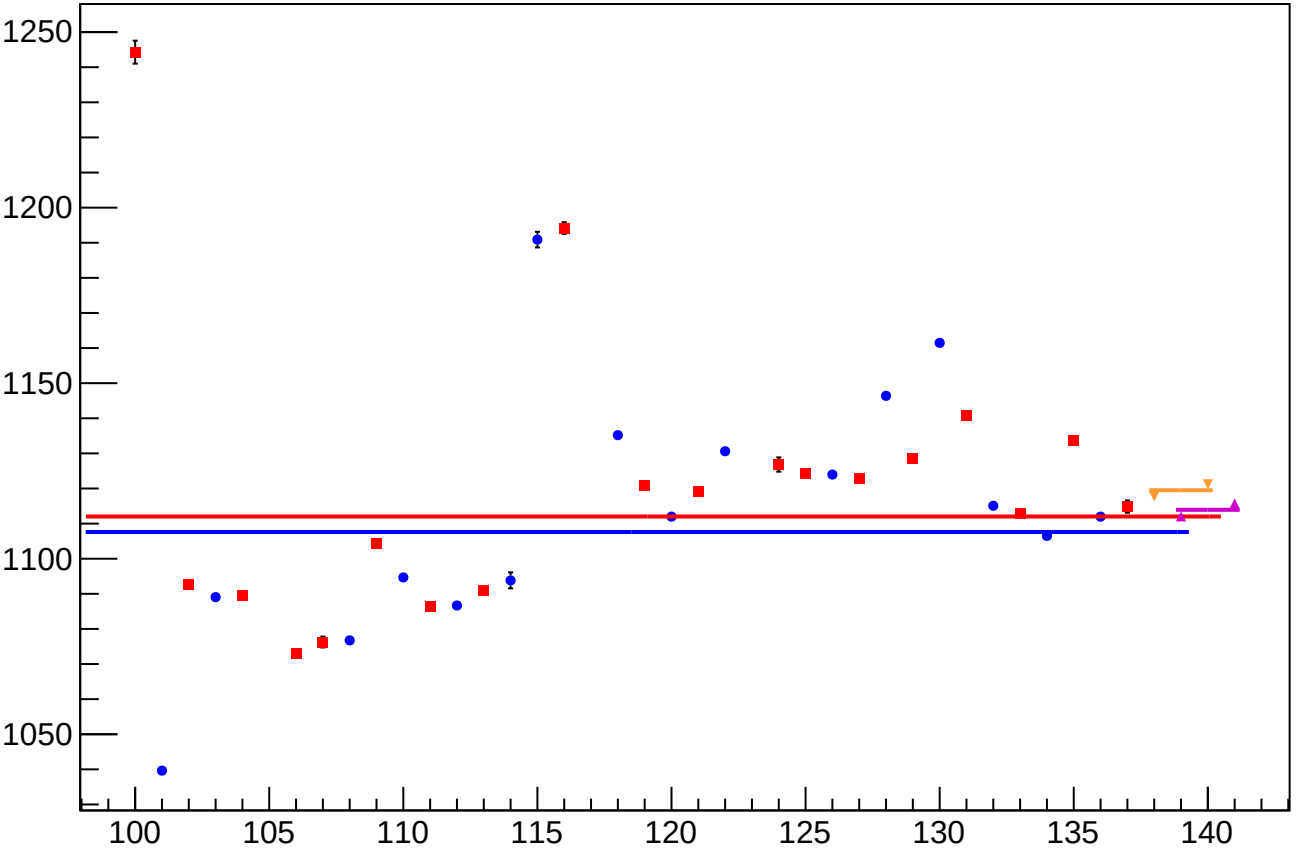
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2777.663+/-370.138 χ^2/NDF:11.1/17

Out: 1980.296+/-368.242 χ^2/NDF:15.7/20

All: 2376.932+/-261.054 χ^2/NDF: 29.1/38

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1119.510+/-0.621 χ^2/NDF:7.8/1

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1113.927+/-0.599 χ^2/NDF:9.3/1

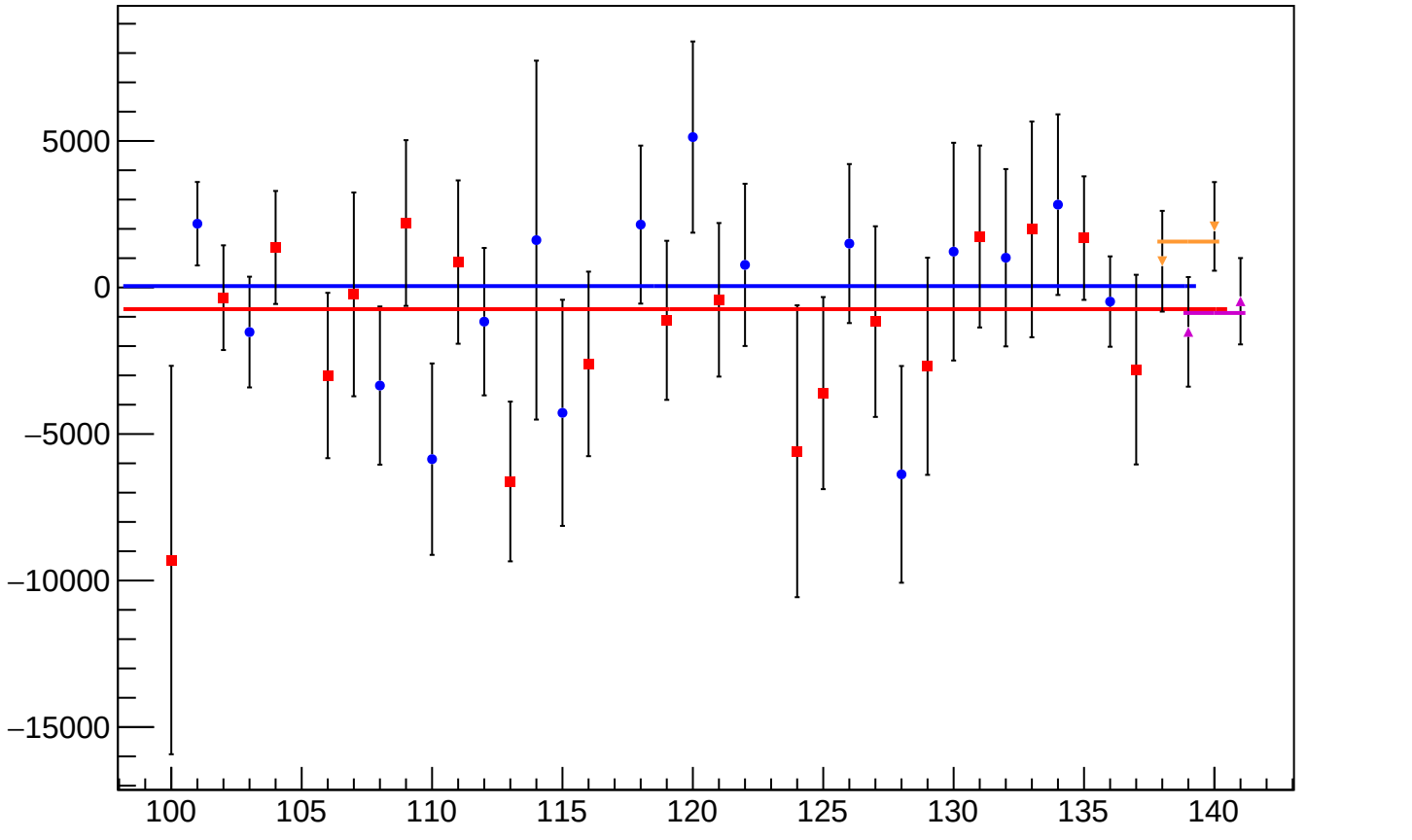
Left: 1116.615+/-0.431 χ^2/NDF: 59.0/3

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1108.820+/-0.262 χ^2/NDF:13320.0/17

Out: 1113.343+/-0.260 χ^2/NDF:8780.8/20

All: 1111.093+/-0.185 χ^2/NDF: 22250.9/38



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1566.025+/-1135.390 χ^2/NDF:0.3/1

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -869.282+/-1157.257 χ^2/NDF:0.2/1

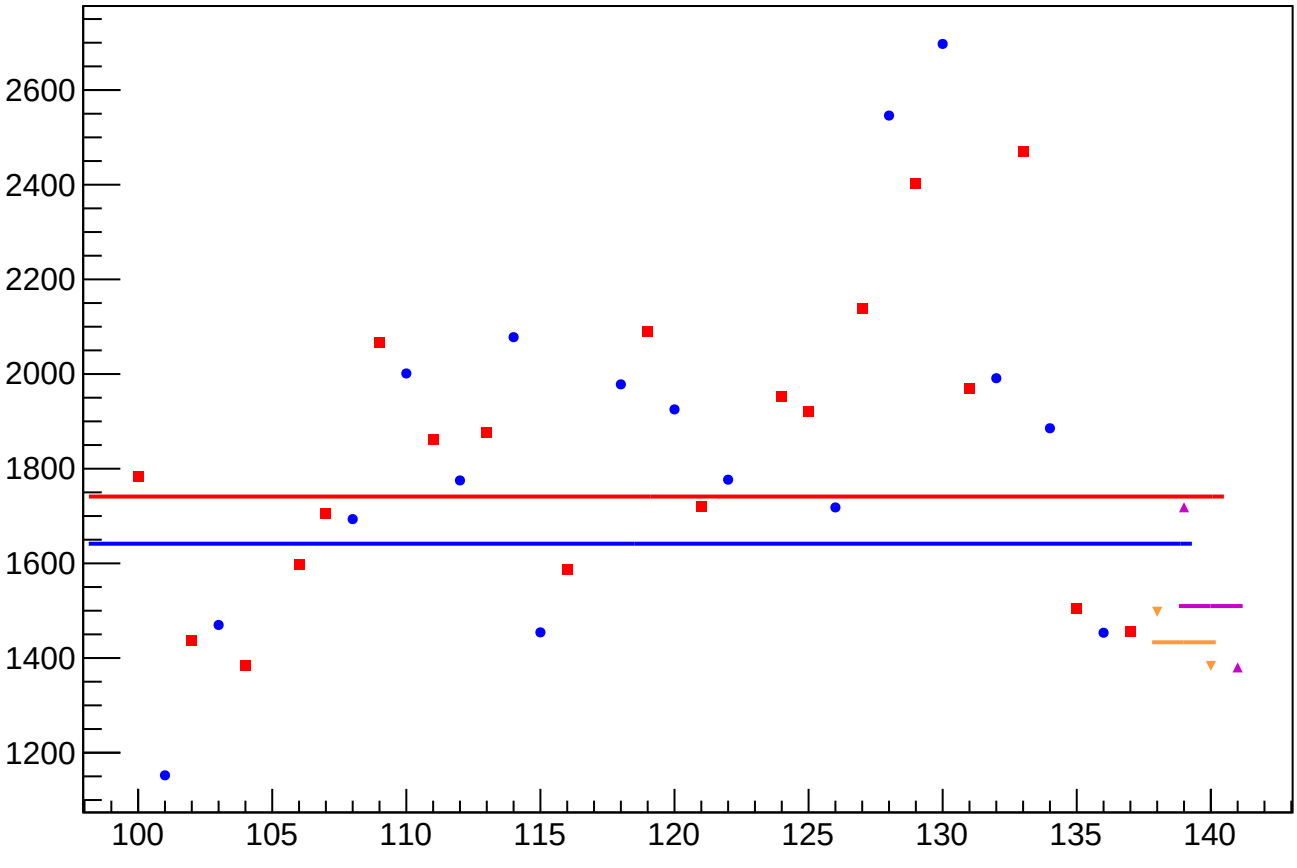
Left: 371.597+/-810.463 χ^2/NDF: 2.7/3

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: -160.848+/-552.005 χ^2/NDF:17.6/17

Out: -172.315+/-562.656 χ^2/NDF:18.3/20

All: -166.472+/-394.038 χ^2/NDF: 35.9/38



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1433.243+/-0.803 χ^2/NDF:5000.3/1

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1509.828+/-0.818 χ^2/NDF:40384.7/1

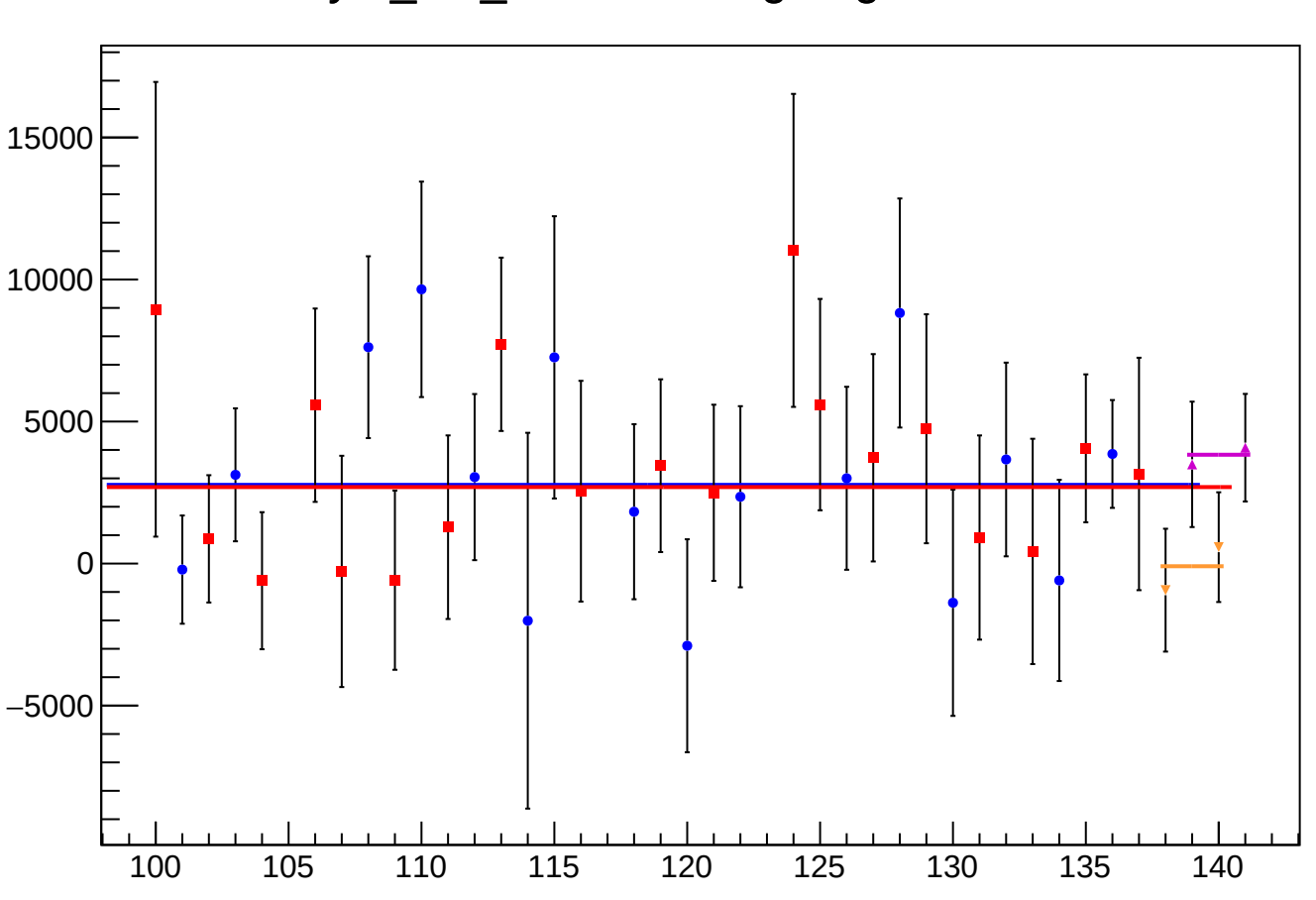
Left: 1470.805+/-0.573 χ^2/NDF: 49848.2/3

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1611.569+/-0.390 χ^2/NDF:761695.2/17

Out: 1665.570+/-0.398 χ^2/NDF:554326.0/20

All: 1638.054+/-0.279 χ^2/NDF: 1325408.5/38



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: -94.325+/-1440.666 χ^2/NDF:0.3/1

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 3830.829+/-1437.152 χ^2/NDF:0.0/1

Left: 1873.045+/-1017.460 χ^2/NDF: 4.0/3

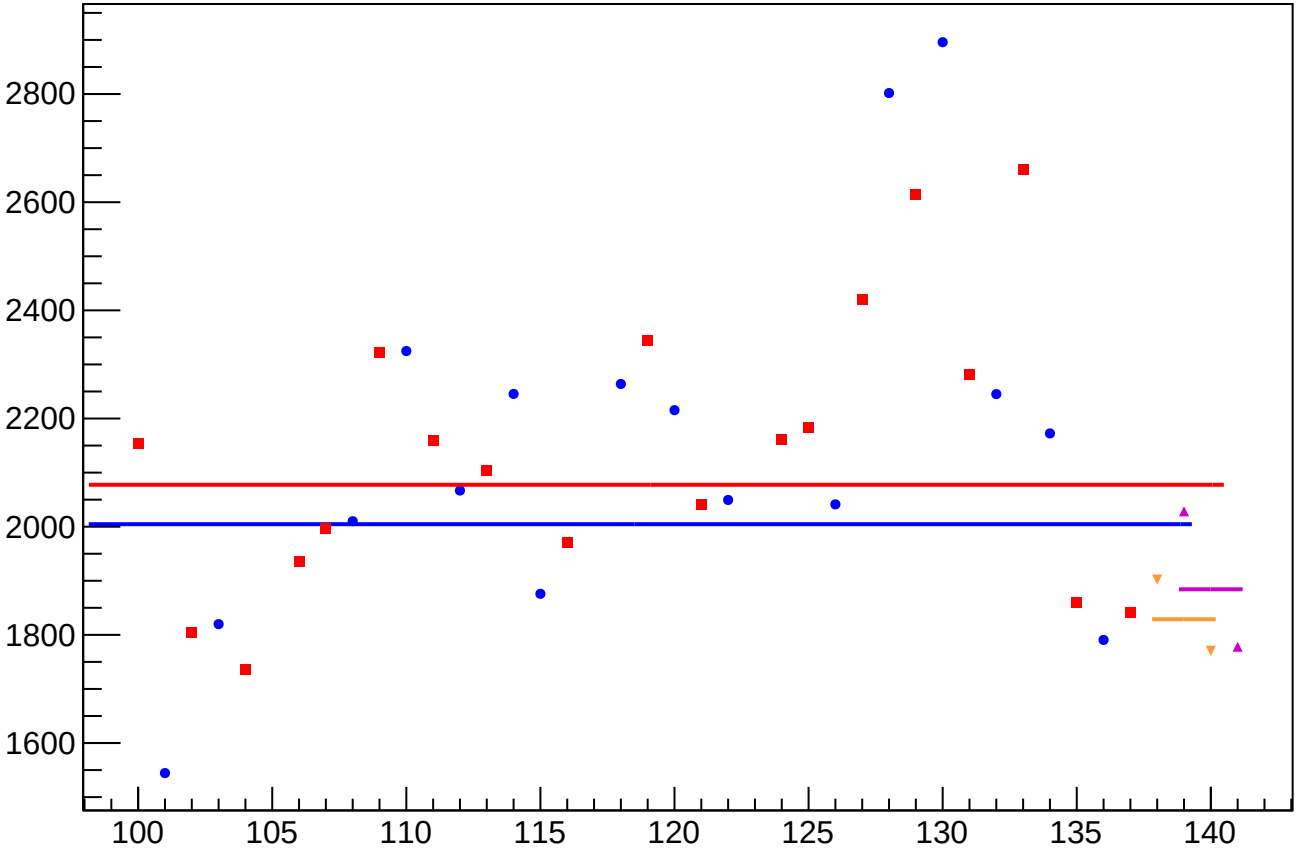
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 3000.417+/-669.843 χ^2/NDF:16.9/17

Out: 2078.699+/-676.171 χ^2/NDF:15.7/20

All: 2543.892+/-475.872 χ^2/NDF: 33.6/38

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1828.885+/-1.019 χ^2/NDF:4125.4/1

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1884.264+/-1.016 χ^2/NDF:14823.6/1

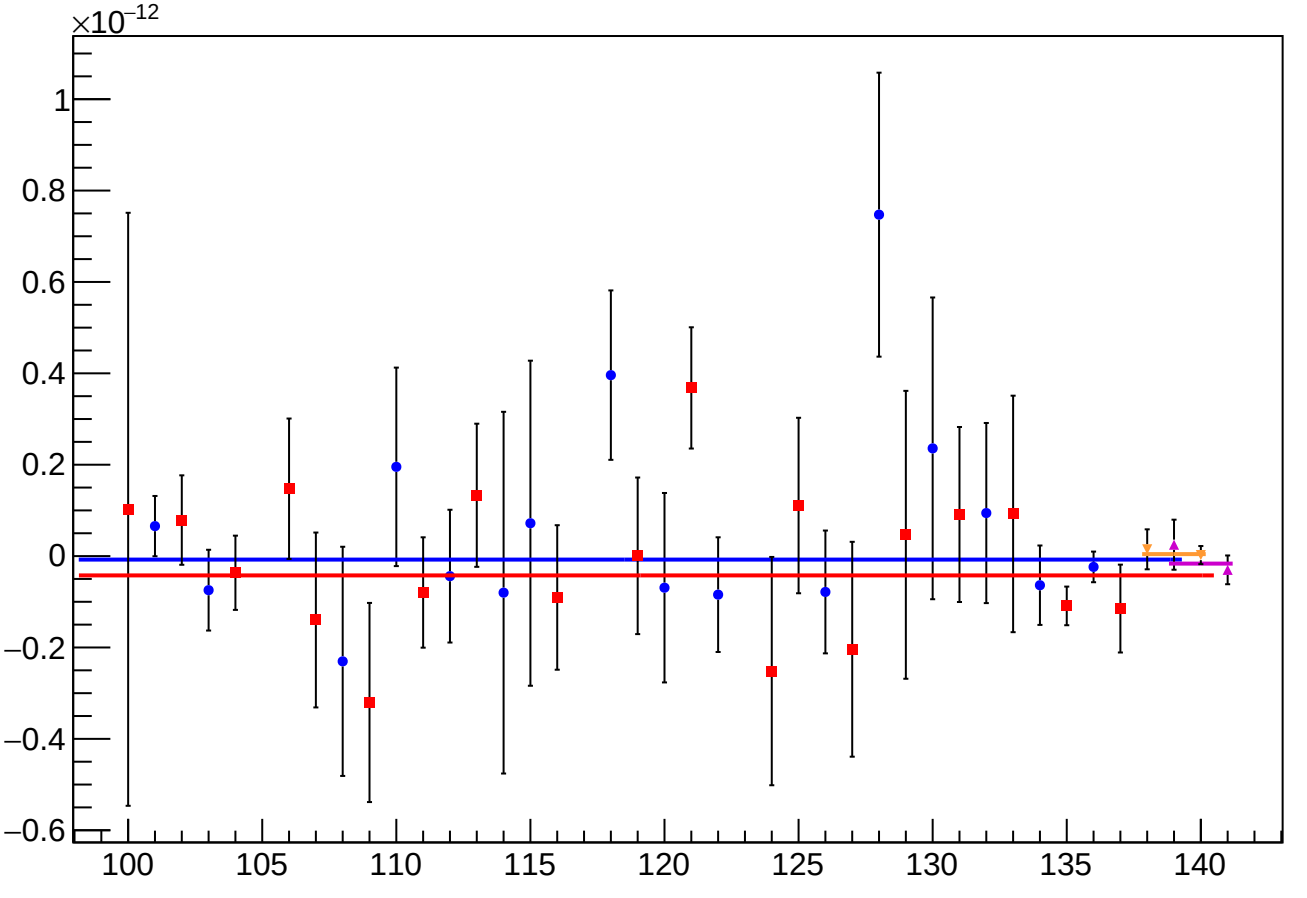
Left: 1856.642+/-0.719 χ^2/NDF: 20430.2/3

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1978.486+/-0.474 χ^2/NDF:413373.4/17

Out: 2022.734+/-0.478 χ^2/NDF:281047.7/20

All: 2000.402+/-0.336 χ^2/NDF: 698743.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/1

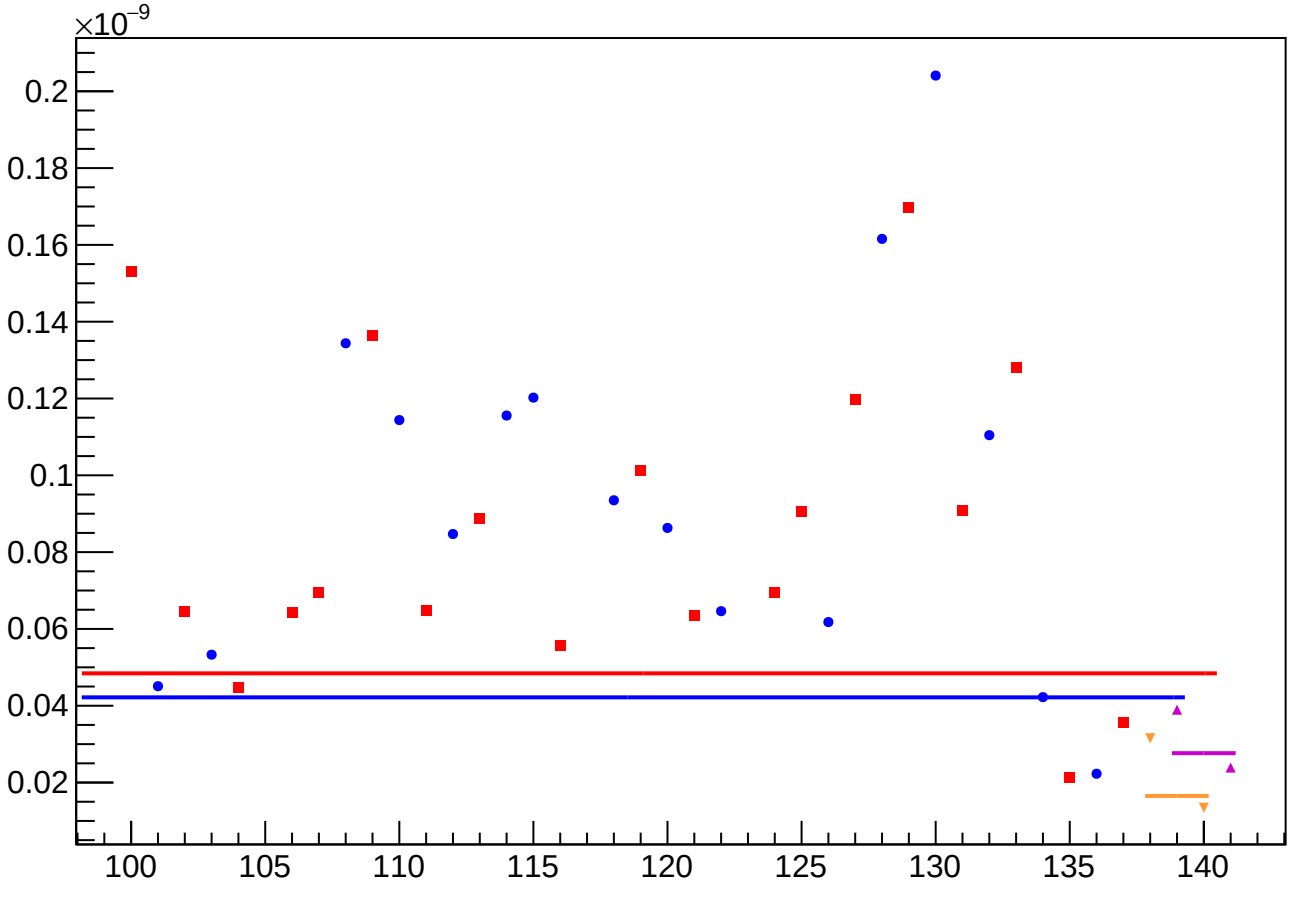
Left: -0.000+/-0.000 χ^2/NDF: 1.2/3

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:17.3/17

Out: -0.000+/-0.000 χ^2/NDF:23.9/20

All: -0.000+/-0.000 χ^2/NDF: 41.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:283619.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:113800.2/1

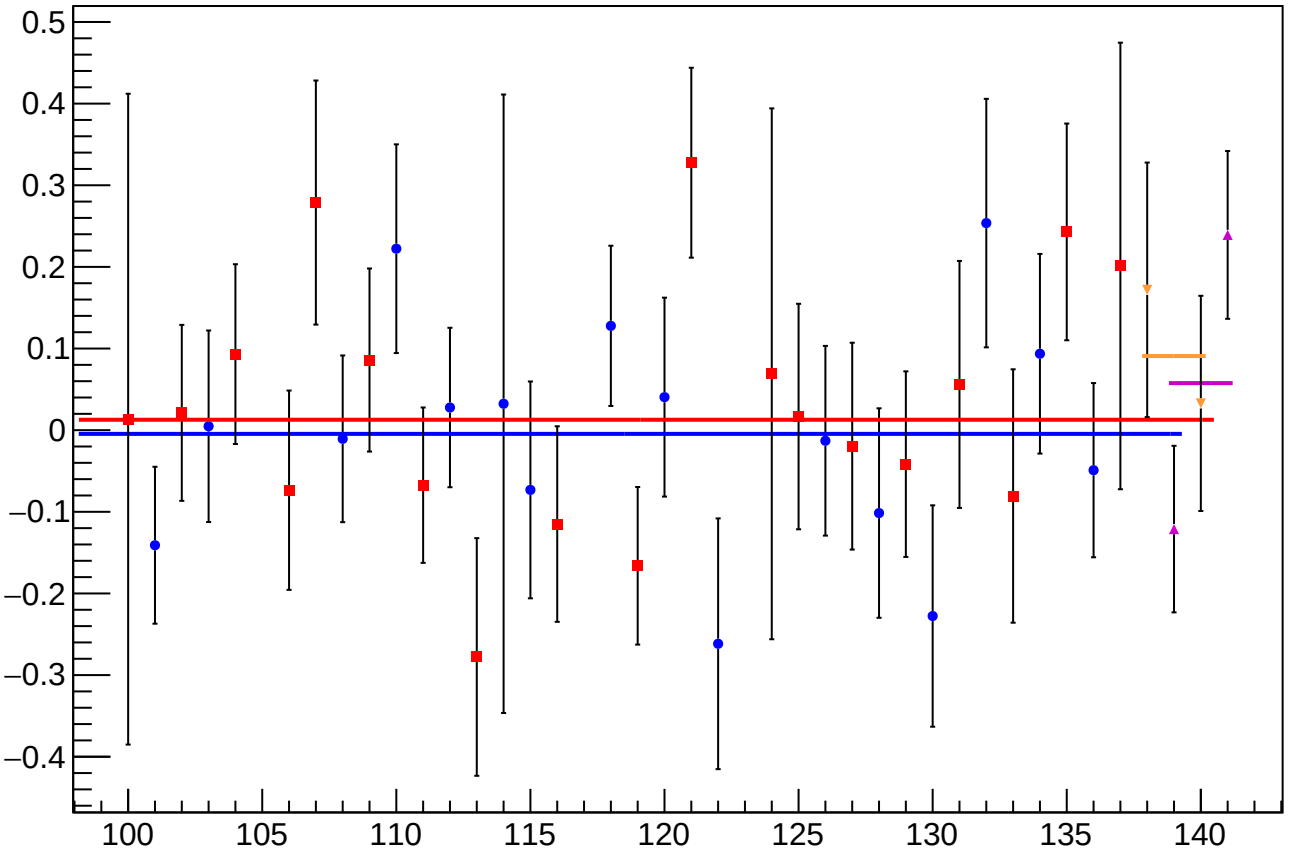
Left: 0.000+/-0.000 χ^2/NDF: 629284.1/3

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:3363853.4/17

Out: 0.000+/-0.000 χ^2/NDF:4819506.0/20

All: 0.000+/-0.000 χ^2/NDF: 8502302.8/38



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.091+/-0.101 χ^2/NDF:0.5/1

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.058+/-0.072 χ^2/NDF:6.2/1

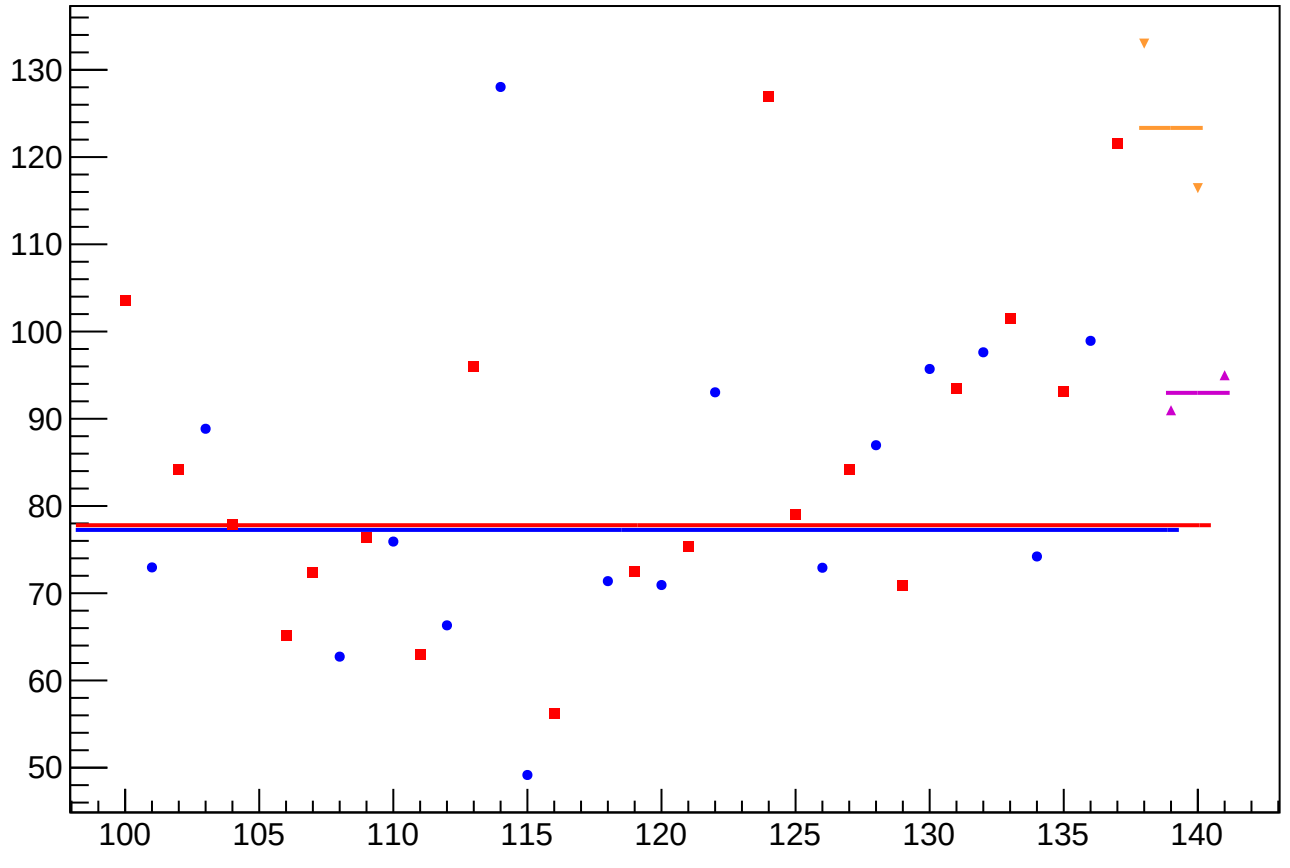
Left: 0.069+/-0.059 χ^2/NDF: 6.7/3

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.005+/-0.028 χ^2/NDF:24.1/17

Out: 0.019+/-0.029 χ^2/NDF:26.5/20

All: 0.012+/-0.020 χ^2/NDF: 50.7/38



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 123.343+/-0.071 χ^2/NDF:13172.3/1

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 92.971+/-0.051 χ^2/NDF:1535.6/1

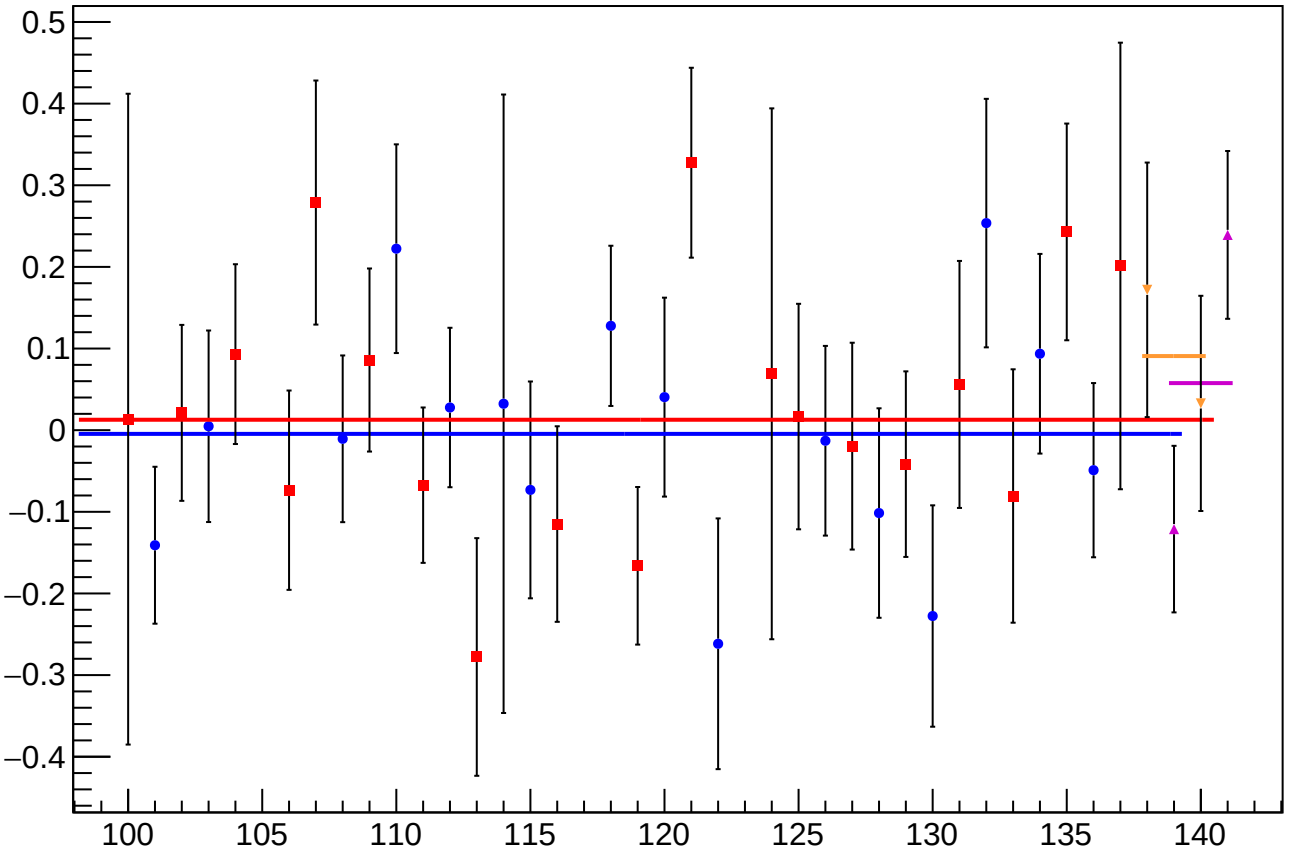
Left: 103.328+/-0.042 χ^2/NDF: 134718.0/3

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.568+/-0.020 χ^2/NDF:501168.4/17

Out: 81.450+/-0.020 χ^2/NDF:786332.2/20

All: 80.483+/-0.014 χ^2/NDF: 1291976.0/38



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.091+/-0.101 χ^2/NDF:0.5/1

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.058+/-0.072 χ^2/NDF:6.2/1

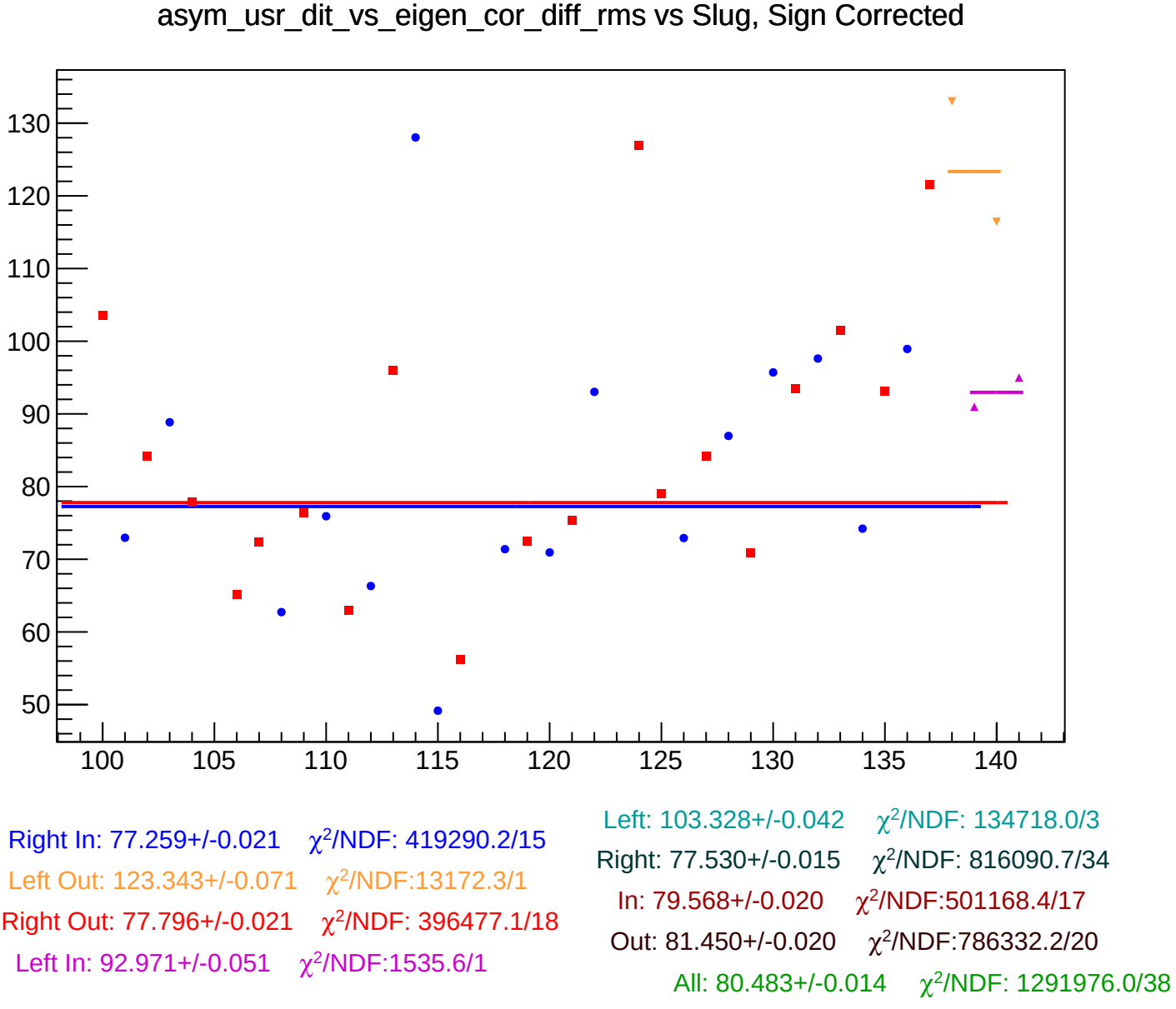
Left: 0.069+/-0.059 χ^2/NDF: 6.7/3

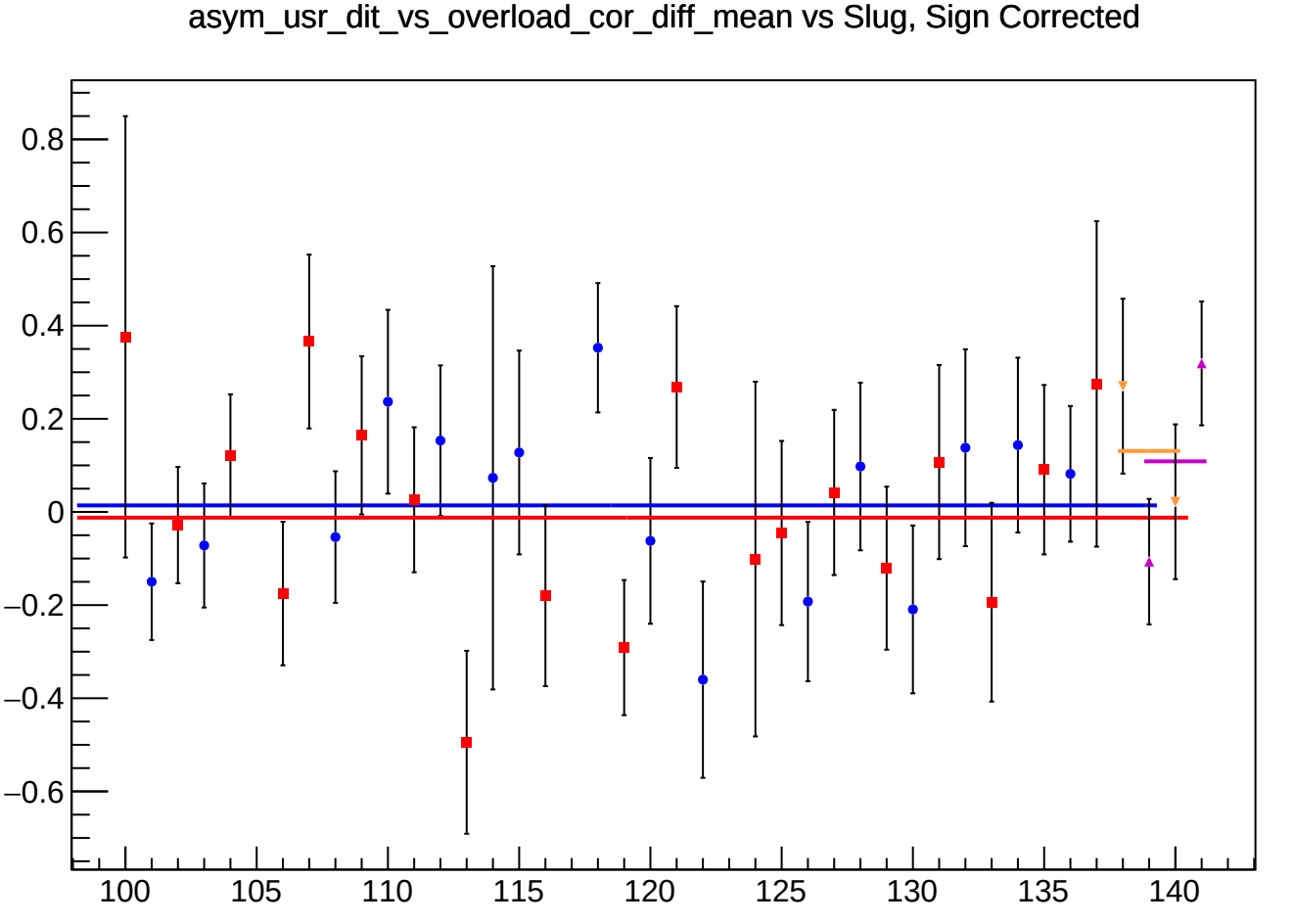
Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.005+/-0.028 χ^2/NDF:24.1/17

Out: 0.019+/-0.029 χ^2/NDF:26.5/20

All: 0.012+/-0.020 χ^2/NDF: 50.7/38


asym_usr_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
130
120
110
100
90
80
70
60
50
100
105
110
115
120
125
130
135
140
Right In: 77.259+/-0.021 χ²/NDF: 419290.2/15
Left Out: 123.343+/-0.071 χ²/NDF:13172.3/1
Right Out: 77.796+/-0.021 χ²/NDF: 396477.1/18
Left In: 92.971+/-0.051 χ²/NDF:1535.6/1
Left: 103.328+/-0.042 χ²/NDF: 134718.0/3
Right: 77.530+/-0.015 χ²/NDF: 816090.7/34
In: 79.568+/-0.020 χ²/NDF:501168.4/17
Out: 81.450+/-0.020 χ²/NDF:786332.2/20
All: 80.483+/-0.014 χ²/NDF: 1291976.0/38



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.131+/-0.124 χ^2/NDF:1.0/1

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.109+/-0.095 χ^2/NDF:5.1/1

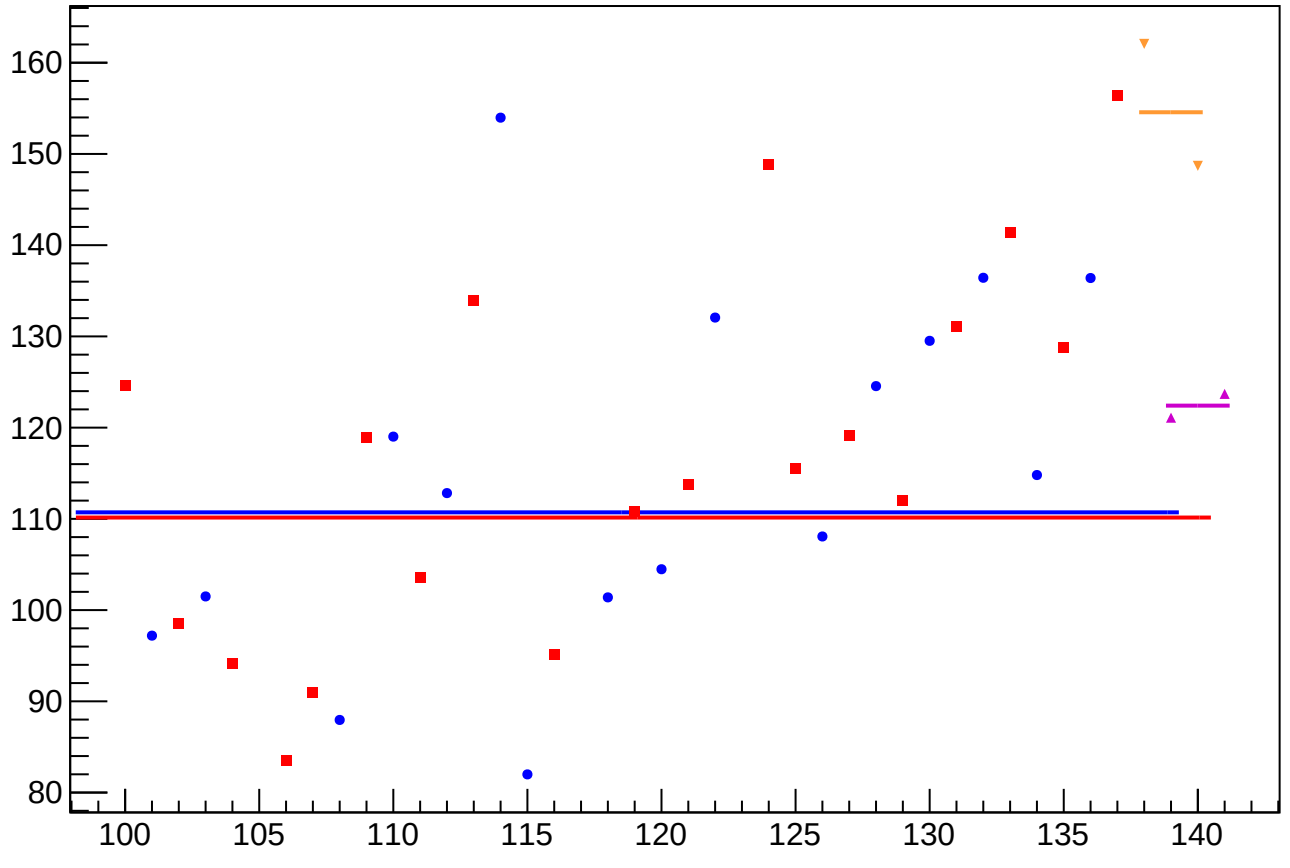
Left: 0.117+/-0.075 χ^2/NDF: 6.1/3

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.030+/-0.039 χ^2/NDF:24.1/17

Out: 0.002+/-0.039 χ^2/NDF:25.9/20

All: 0.016+/-0.028 χ^2/NDF: 50.3/38



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 154.570+/-0.088 χ^2/NDF:5685.5/1

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 122.412+/-0.067 χ^2/NDF:380.0/1

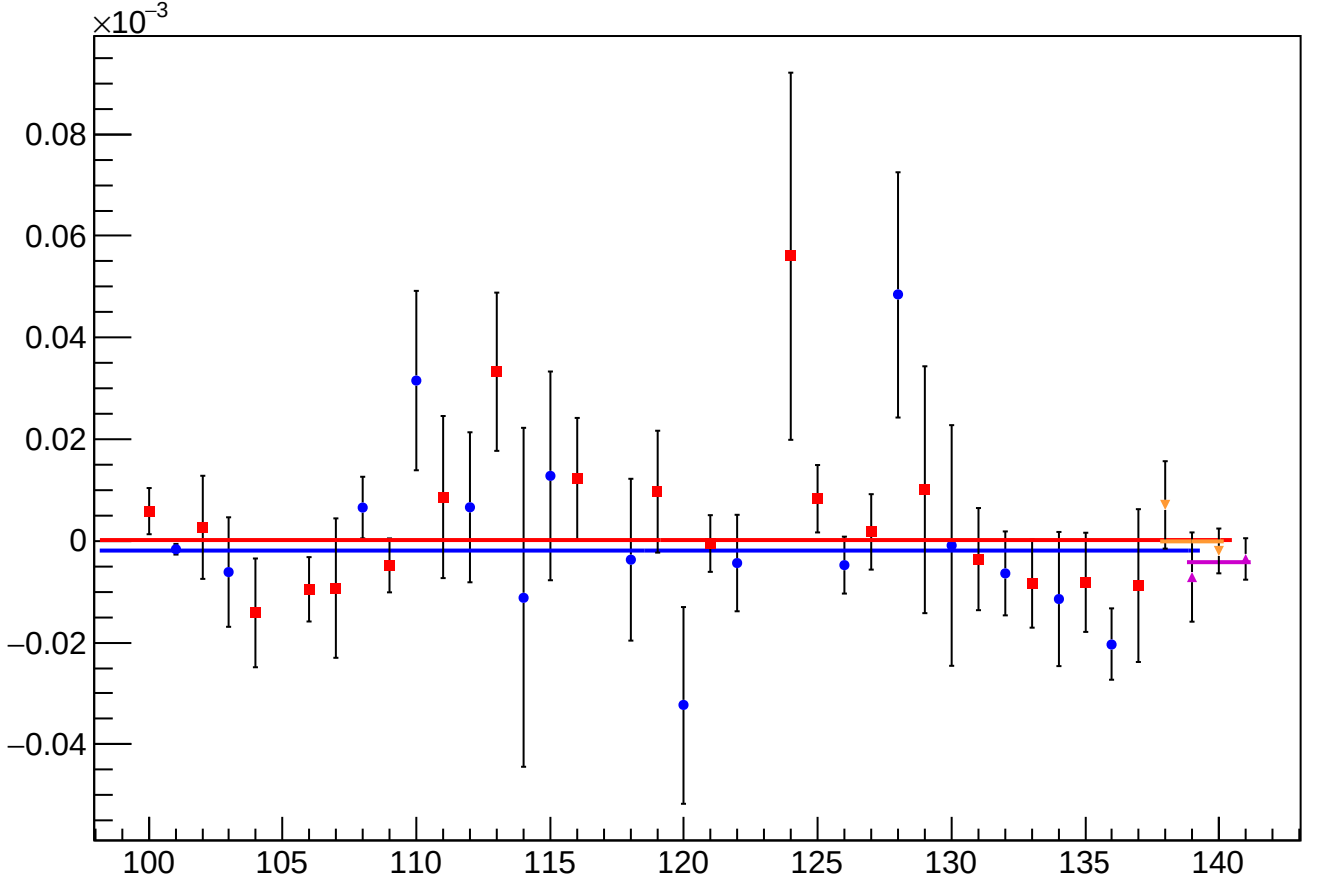
Left: 134.194+/-0.053 χ^2/NDF: 90692.7/3

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 112.660+/-0.027 χ^2/NDF:325832.3/17

Out: 114.555+/-0.028 χ^2/NDF:562008.0/20

All: 113.593+/-0.019 χ^2/NDF: 890212.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

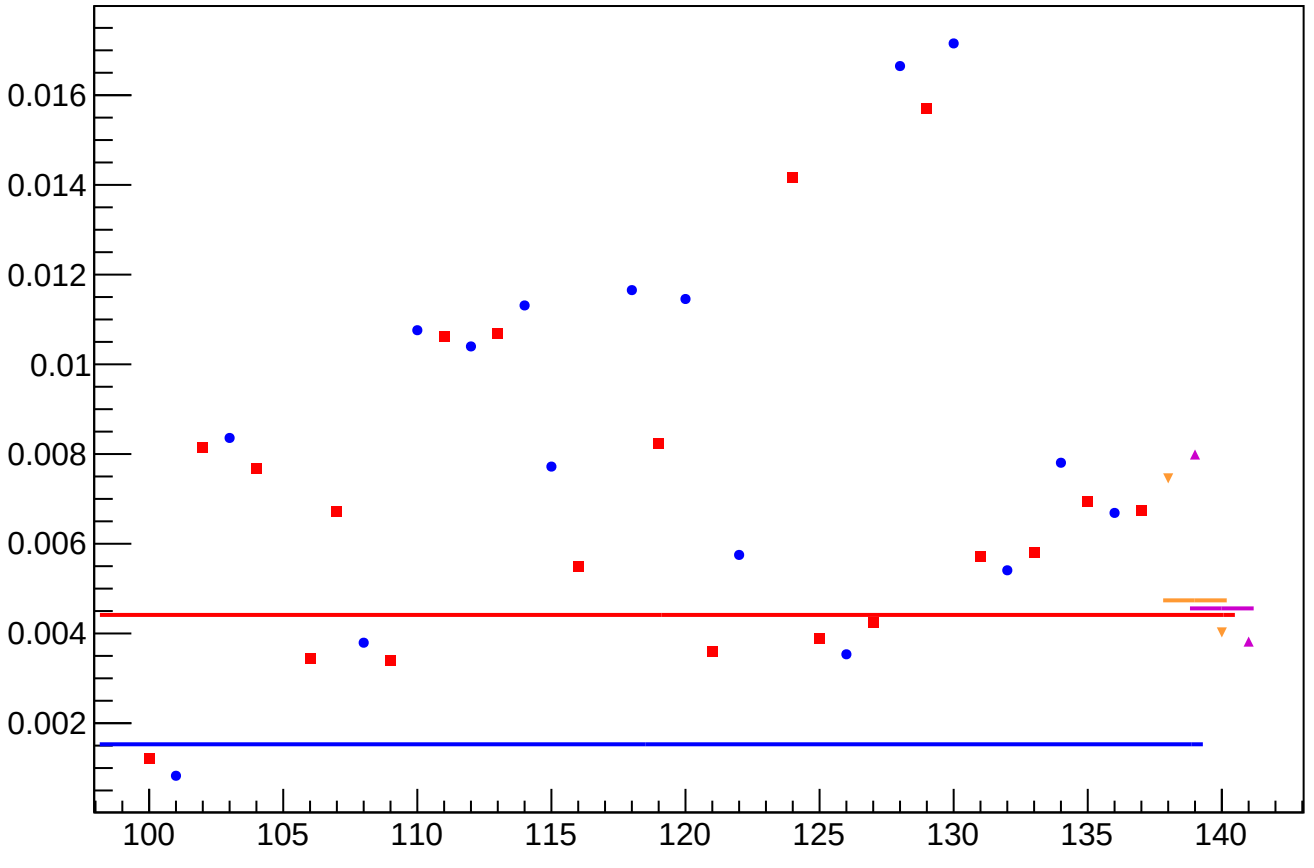
Left: -0.000+/-0.000 χ^2/NDF: 1.6/3

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:21.9/17

Out: 0.000+/-0.000 χ^2/NDF:20.8/20

All: -0.000+/-0.000 χ^2/NDF: 43.9/38



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:253818.6/1

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:372838.7/1

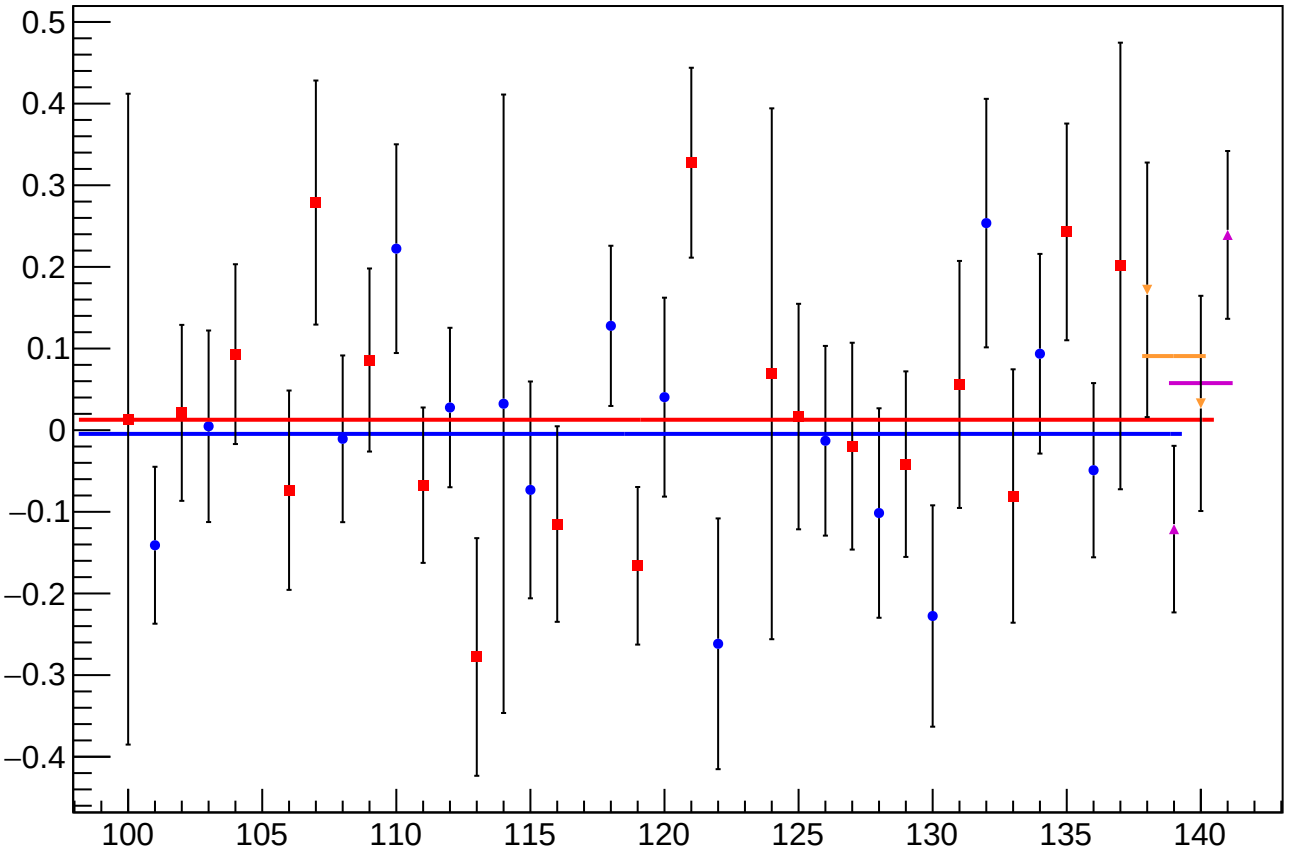
Left: 0.005+/-0.000 χ^2/NDF: 628877.2/3

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:10855984.6/17

Out: 0.004+/-0.000 χ^2/NDF:3652970.3/20

All: 0.002+/-0.000 χ^2/NDF: 18417171.6/38



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.091+/-0.101 χ^2/NDF:0.5/1

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.058+/-0.072 χ^2/NDF:6.2/1

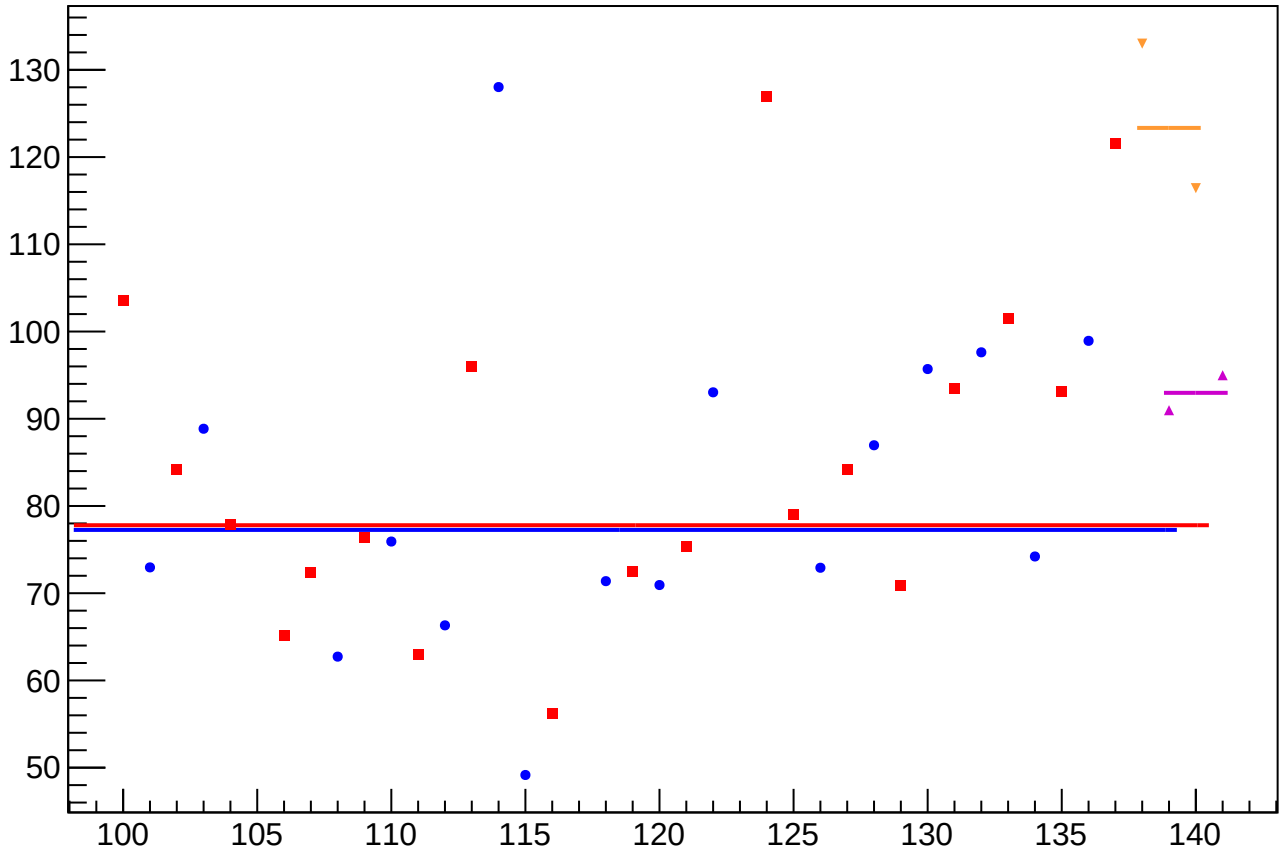
Left: 0.069+/-0.059 χ^2/NDF: 6.7/3

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.005+/-0.028 χ^2/NDF:24.1/17

Out: 0.019+/-0.029 χ^2/NDF:26.5/20

All: 0.012+/-0.020 χ^2/NDF: 50.7/38



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 123.344+/-0.071 χ^2/NDF:13173.5/1

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.971+/-0.051 χ^2/NDF:1534.1/1

Left: 103.328+/-0.042 χ^2/NDF: 134712.8/3

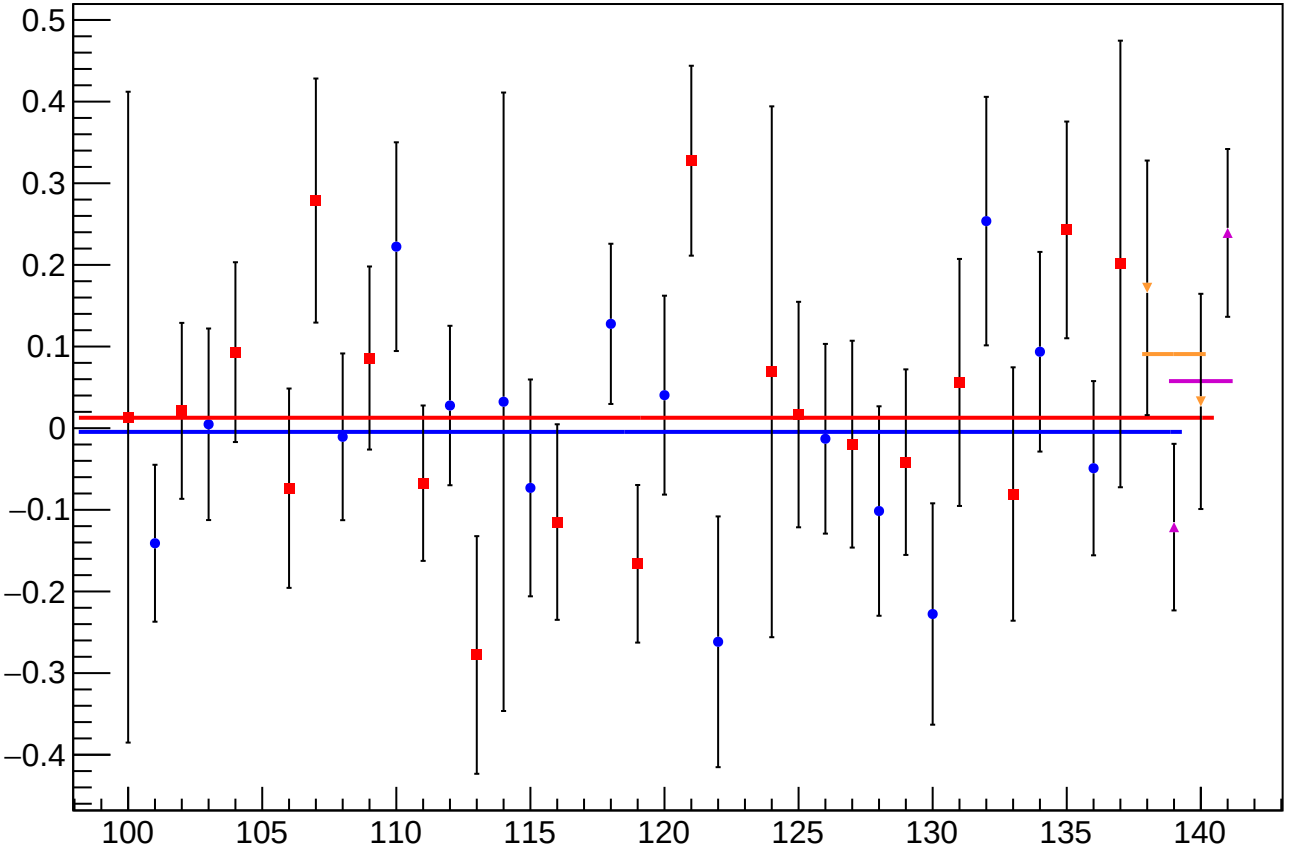
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.566+/-0.020 χ^2/NDF:501176.0/17

Out: 81.448+/-0.020 χ^2/NDF:786359.7/20

All: 80.482+/-0.014 χ^2/NDF: 1292010.0/38

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.091+/-0.101 χ^2/NDF:0.5/1

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.058+/-0.072 χ^2/NDF:6.2/1

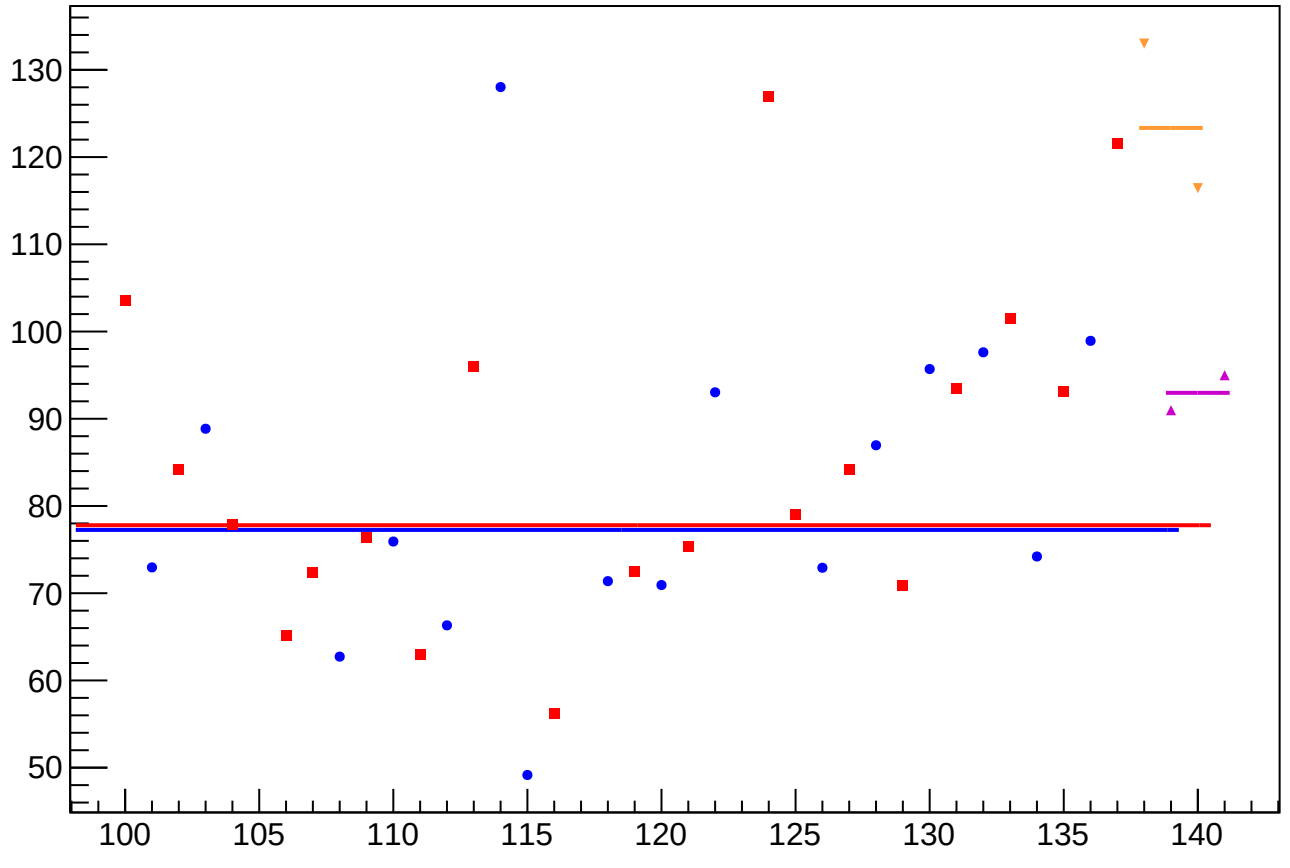
Left: 0.069+/-0.059 χ^2/NDF: 6.7/3

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.005+/-0.028 χ^2/NDF:24.1/17

Out: 0.019+/-0.029 χ^2/NDF:26.5/20

All: 0.012+/-0.020 χ^2/NDF: 50.7/38



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 123.344+/-0.071 χ^2/NDF:13173.5/1

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.971+/-0.051 χ^2/NDF:1534.1/1

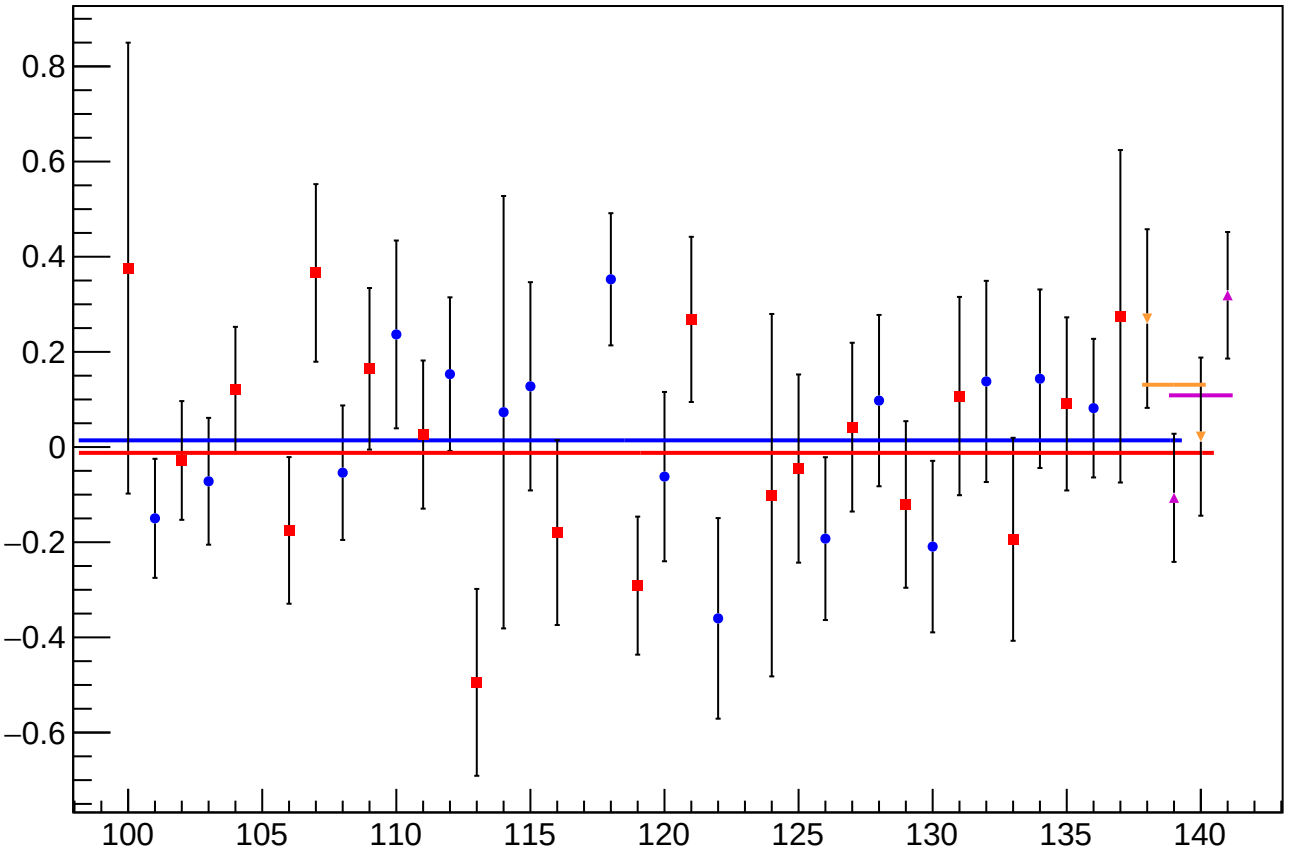
Left: 103.328+/-0.042 χ^2/NDF: 134712.8/3

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.566+/-0.020 χ^2/NDF:501176.0/17

Out: 81.448+/-0.020 χ^2/NDF:786359.7/20

All: 80.482+/-0.014 χ^2/NDF: 1292010.0/38



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.131+/-0.124 χ^2/NDF:1.0/1

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.109+/-0.095 χ^2/NDF:5.1/1

Left: 0.117+/-0.075 χ^2/NDF: 6.1/3

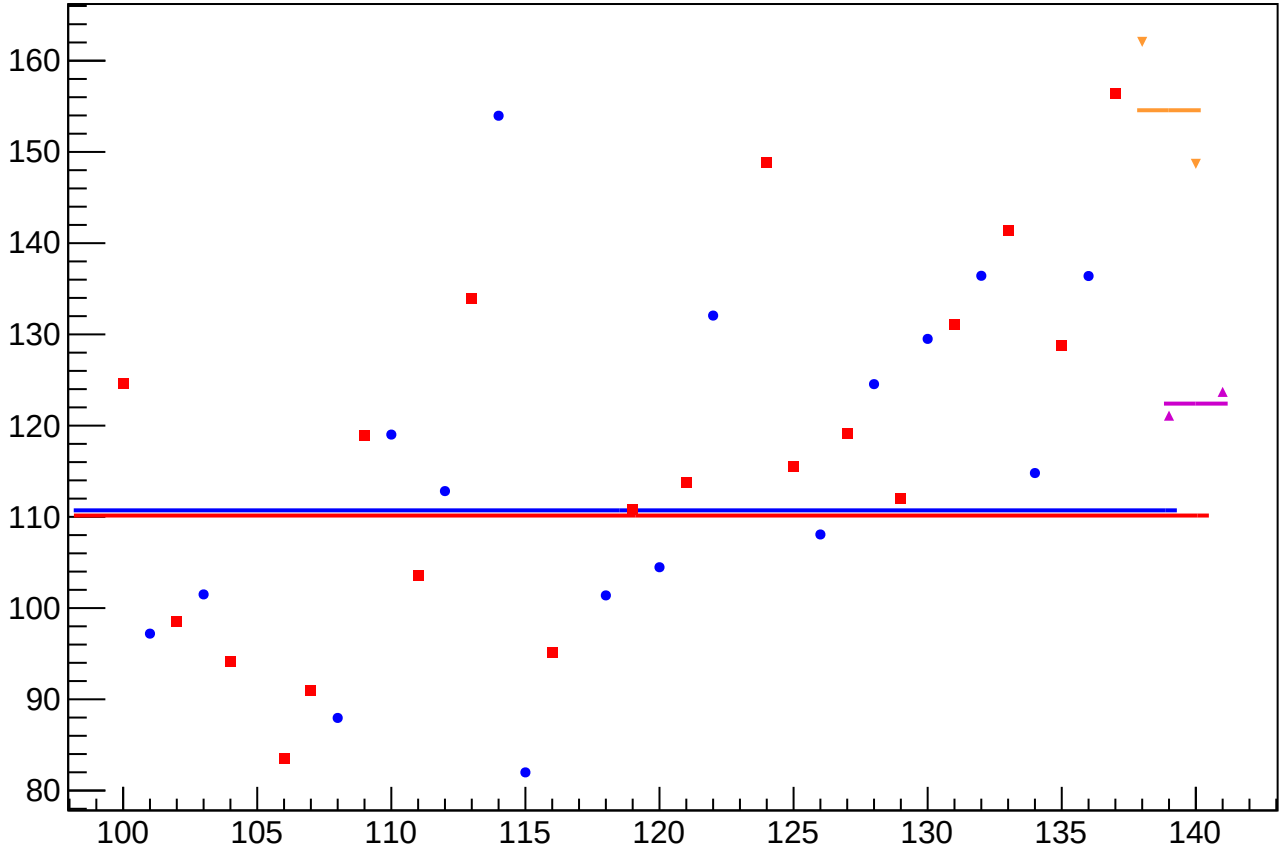
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.030+/-0.039 χ^2/NDF:24.1/17

Out: 0.002+/-0.039 χ^2/NDF:25.9/20

All: 0.016+/-0.028 χ^2/NDF: 50.3/38

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 154.570+/-0.088 χ^2/NDF:5685.8/1

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 122.413+/-0.067 χ^2/NDF:379.5/1

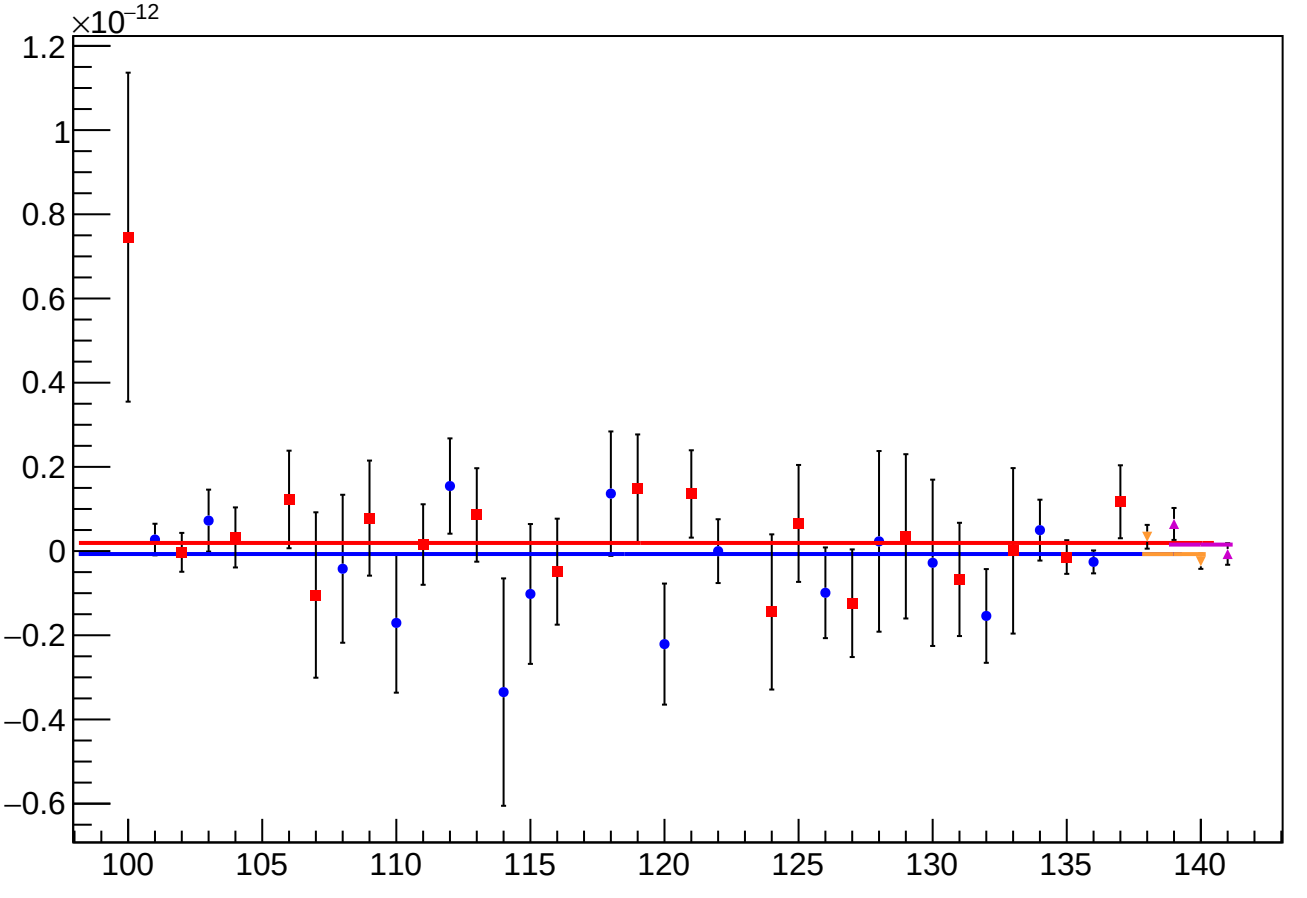
Left: 134.195+/-0.053 χ^2/NDF: 90689.0/3

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 112.660+/-0.027 χ^2/NDF:325813.6/17

Out: 114.554+/-0.028 χ^2/NDF:561986.5/20

All: 113.592+/-0.019 χ^2/NDF: 890171.6/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/1

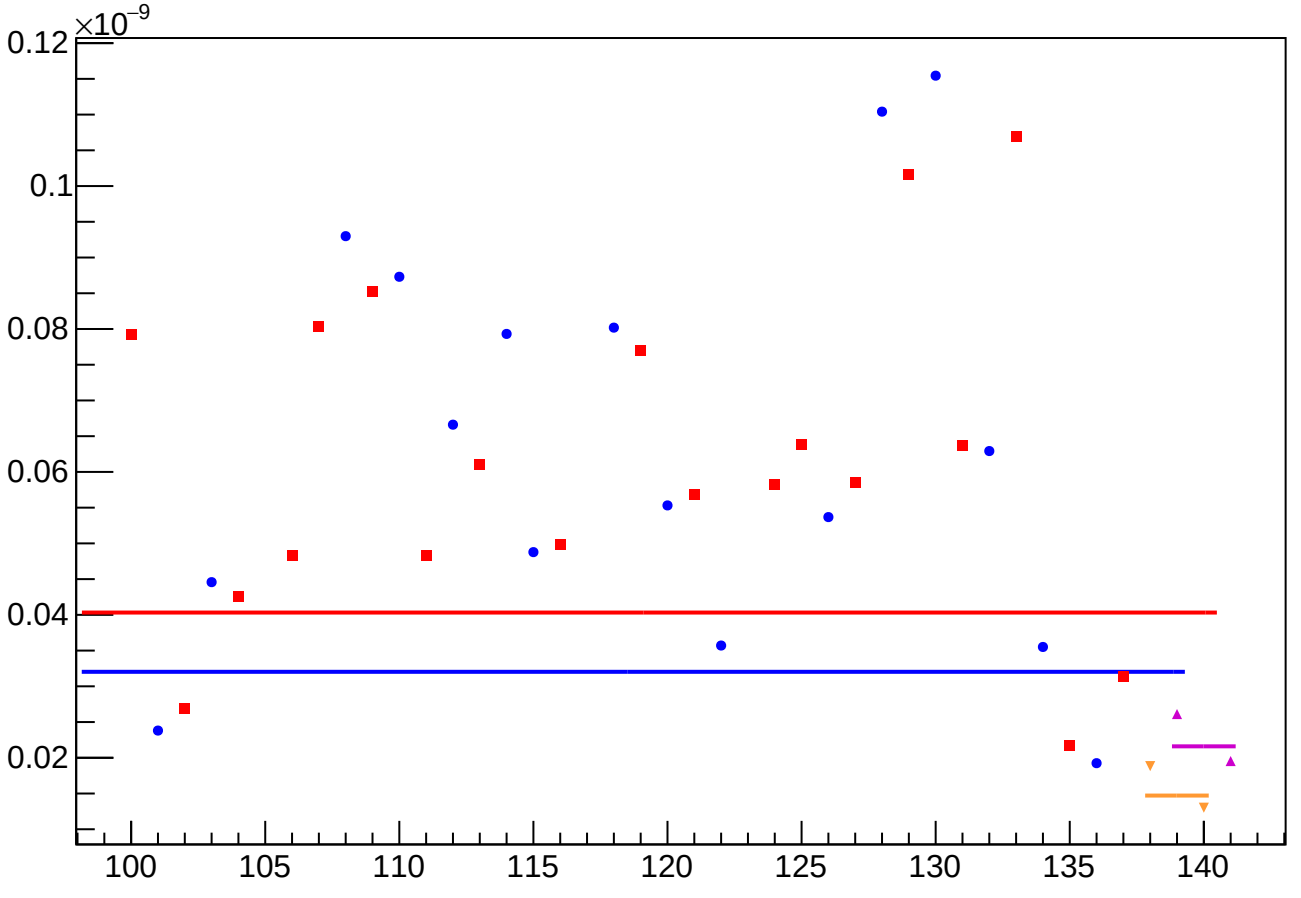
Left: 0.000+/-0.000 χ^2/NDF: 6.2/3

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: 0.000+/-0.000 χ^2/NDF:16.7/17

Out: 0.000+/-0.000 χ^2/NDF:16.6/20

All: 0.000+/-0.000 χ^2/NDF: 33.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:60124.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:41282.1/1

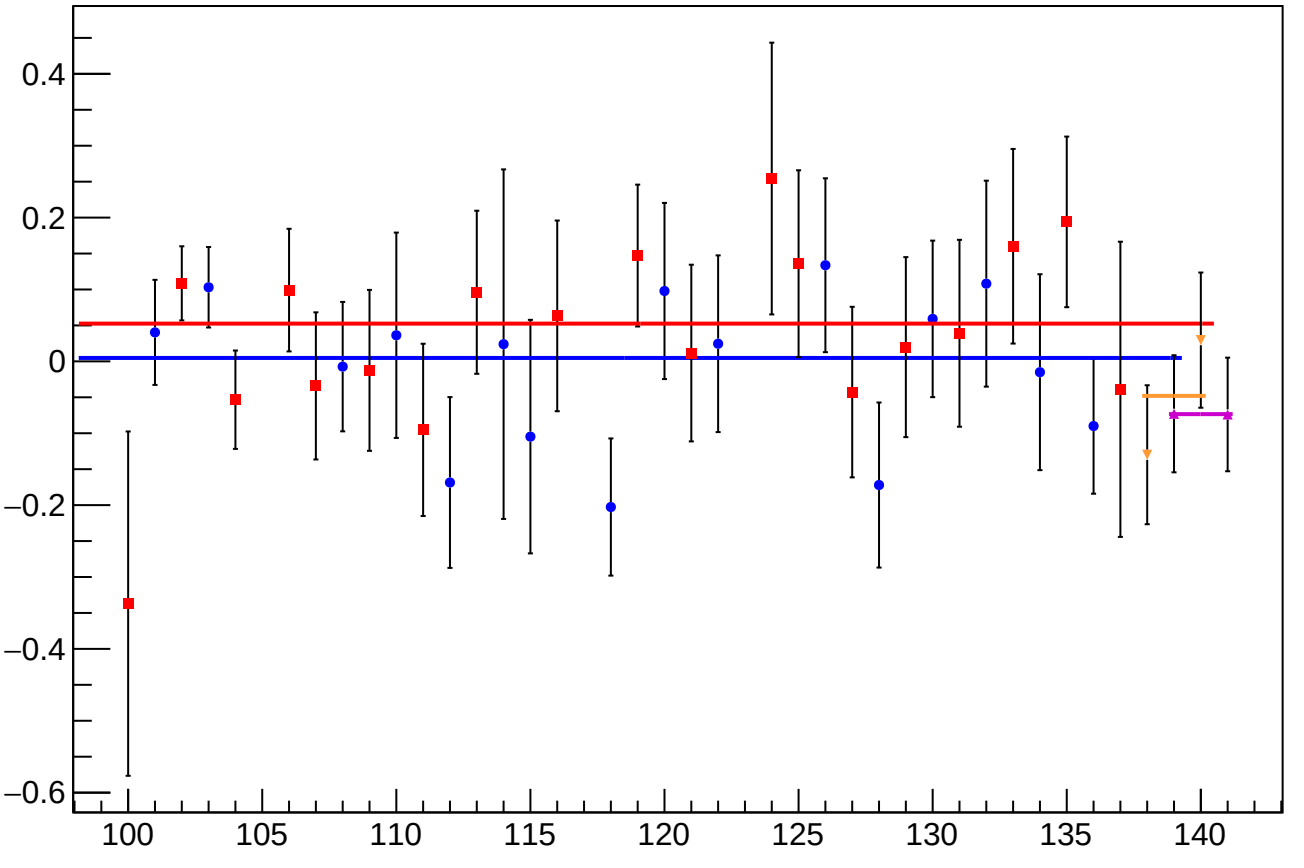
Left: 0.000+/-0.000 χ^2/NDF: 240273.0/3

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:2782449.9/17

Out: 0.000+/-0.000 χ^2/NDF:3858777.9/20

All: 0.000+/-0.000 χ^2/NDF: 6744696.3/38



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.048+/-0.067 χ^2/NDF:1.4/1

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.073+/-0.057 χ^2/NDF:0.0/1

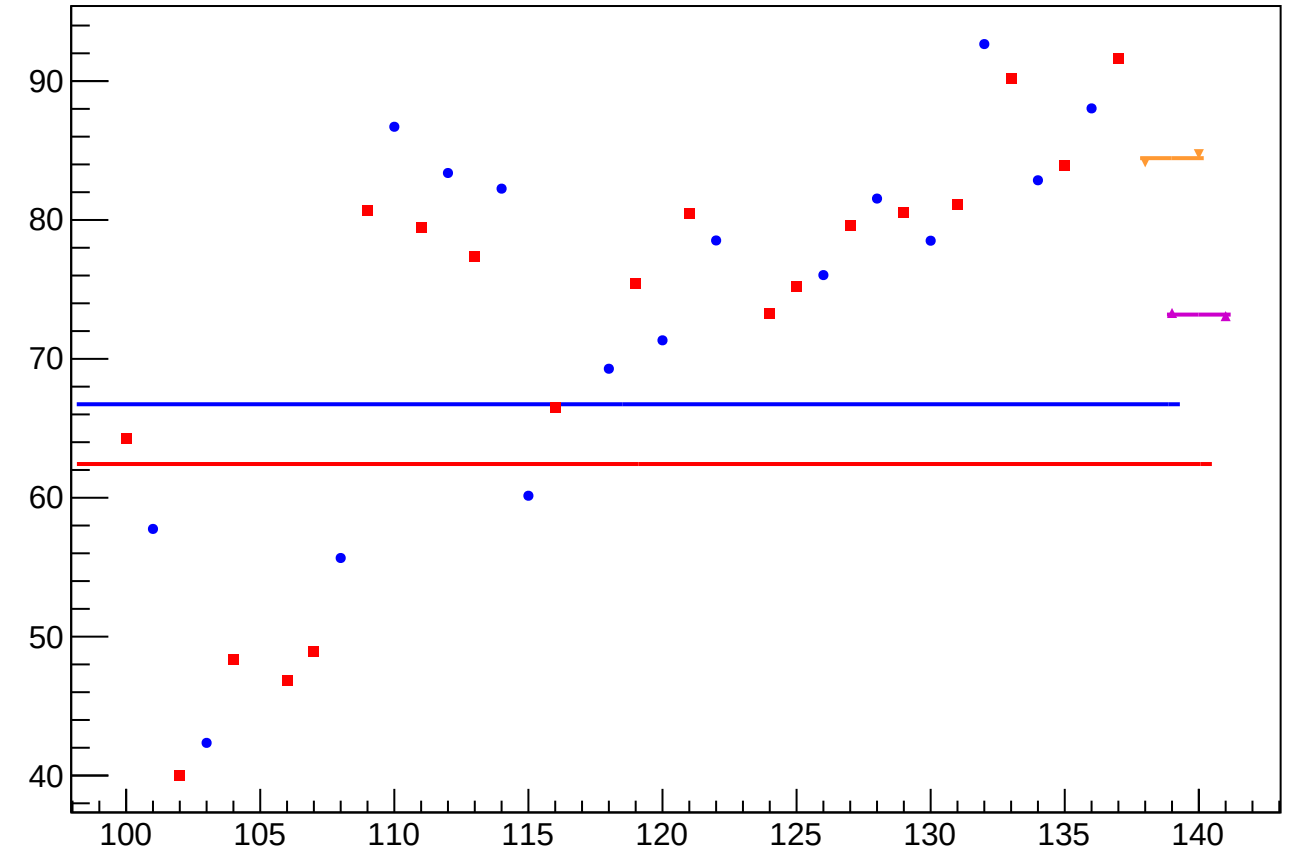
Left: -0.063+/-0.043 χ^2/NDF: 1.5/3

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.009+/-0.024 χ^2/NDF:18.2/17

Out: 0.041+/-0.023 χ^2/NDF:18.2/20

All: 0.017+/-0.016 χ^2/NDF: 38.7/38



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 84.451+/-0.048 χ^2/NDF:37.6/1

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.188+/-0.040 χ^2/NDF:8.1/1

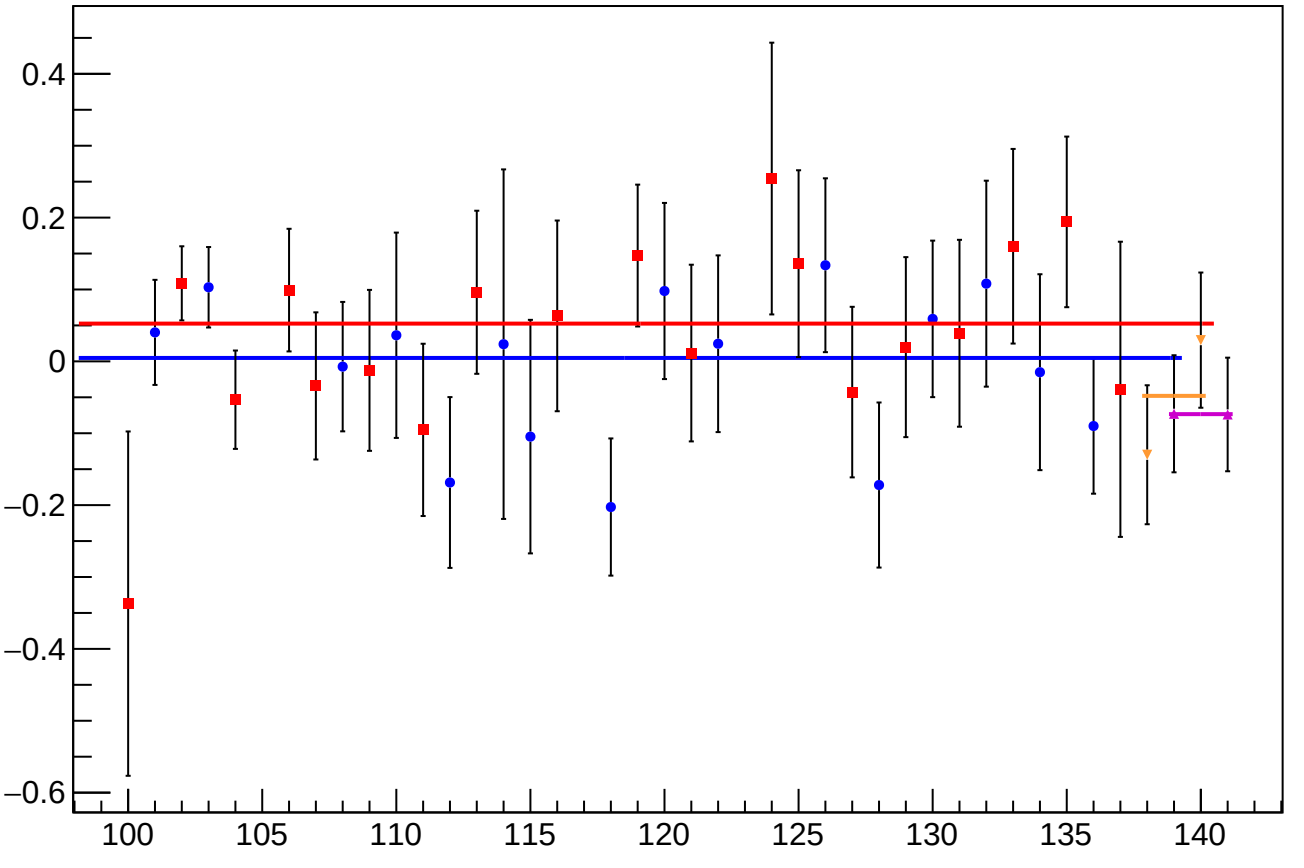
Left: 77.856+/-0.031 χ^2/NDF: 32740.4/3

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 67.846+/-0.017 χ^2/NDF:838205.5/17

Out: 64.923+/-0.016 χ^2/NDF:1303394.0/20

All: 66.329+/-0.012 χ^2/NDF: 2157585.2/38



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.048+/-0.067 χ^2/NDF:1.4/1

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.073+/-0.057 χ^2/NDF:0.0/1

Left: -0.063+/-0.043 χ^2/NDF: 1.5/3

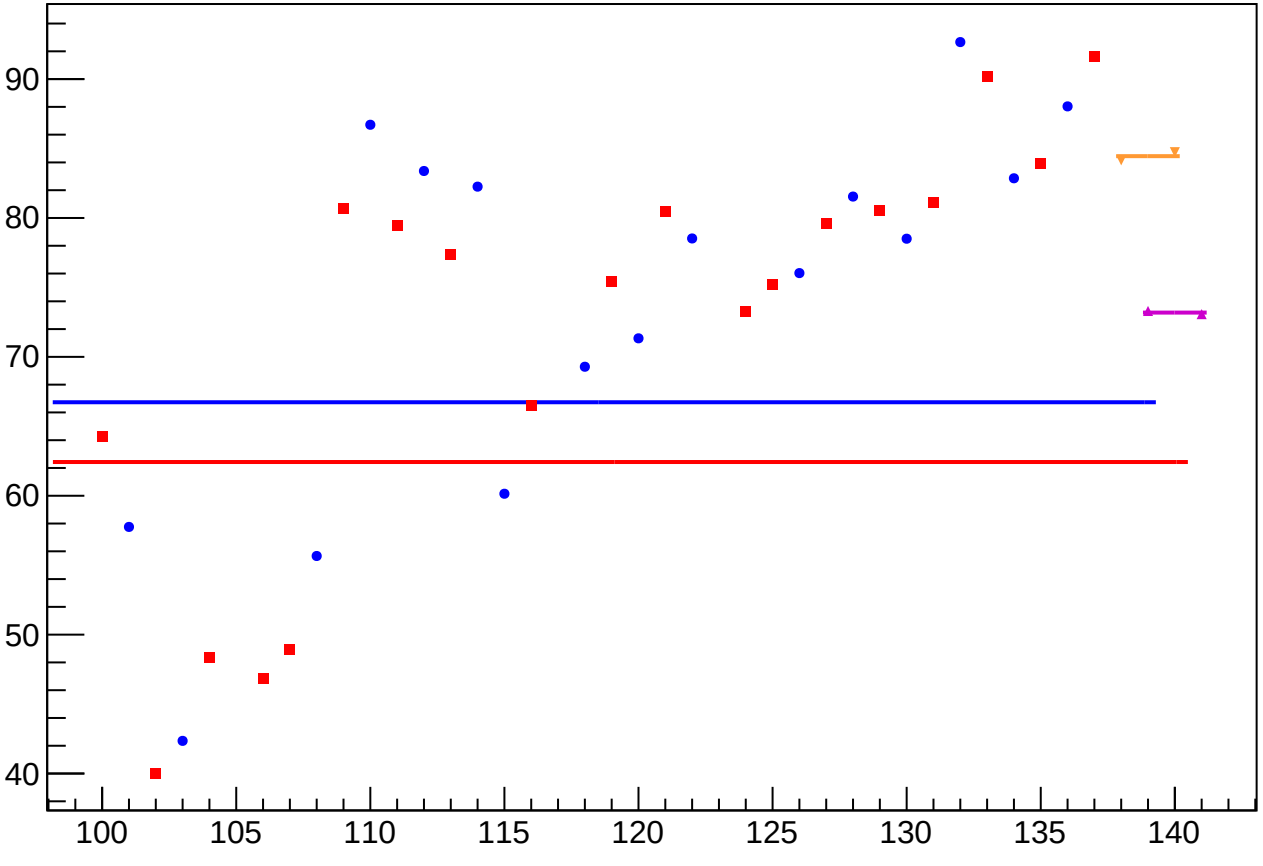
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.009+/-0.024 χ^2/NDF:18.2/17

Out: 0.041+/-0.023 χ^2/NDF:18.2/20

All: 0.017+/-0.016 χ^2/NDF: 38.7/38

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 84.451+/-0.048 χ^2/NDF:37.6/1

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.188+/-0.040 χ^2/NDF:8.1/1

Left: 77.856+/-0.031 χ^2/NDF: 32740.4/3

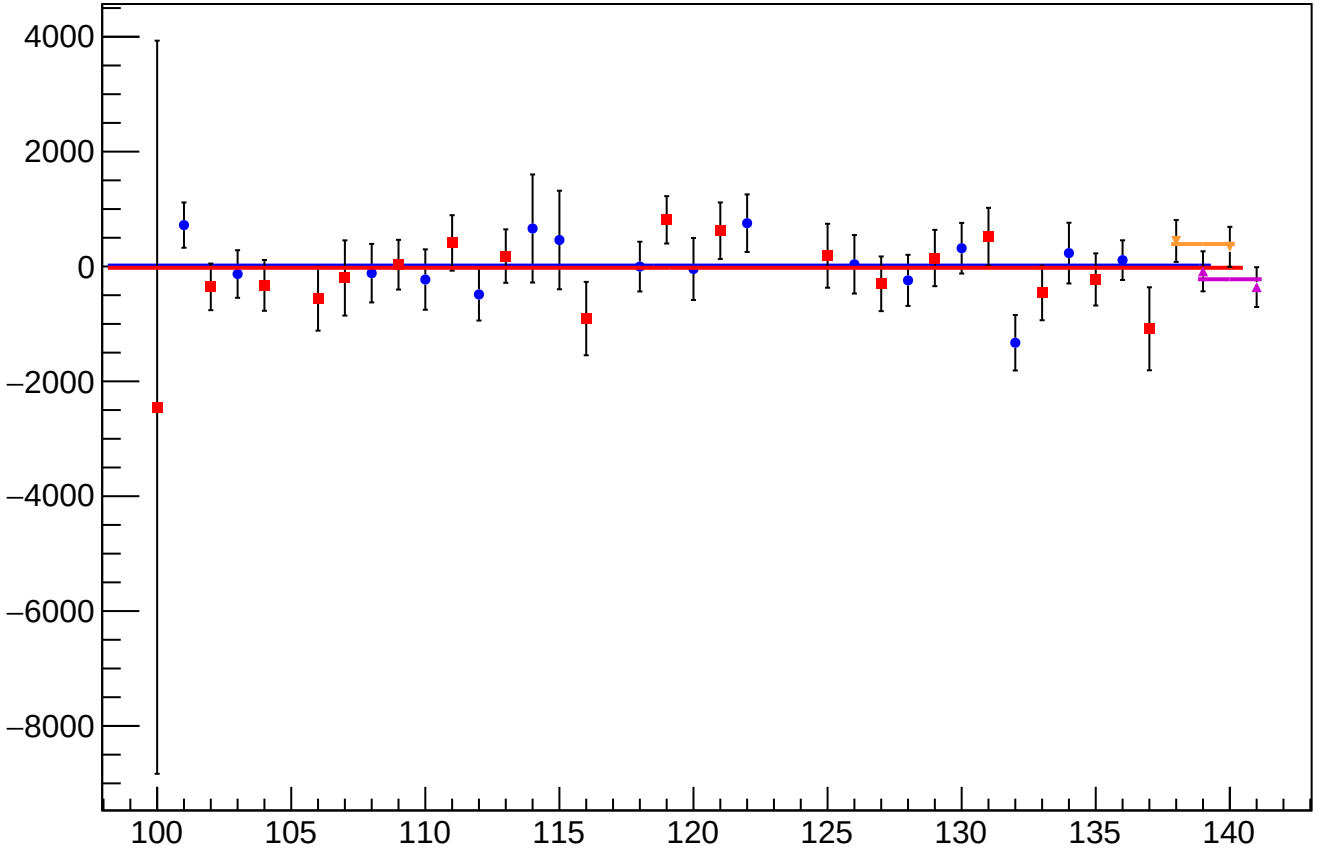
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 67.846+/-0.017 χ^2/NDF:838205.5/17

Out: 64.923+/-0.016 χ^2/NDF:1303394.0/20

All: 66.329+/-0.012 χ^2/NDF: 2157585.2/38

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: 390.882+/-251.814 χ^2/NDF:0.0/1

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -222.197+/-245.775 χ^2/NDF:0.3/1

Left: 76.903+/-175.886 χ^2/NDF: 3.4/3

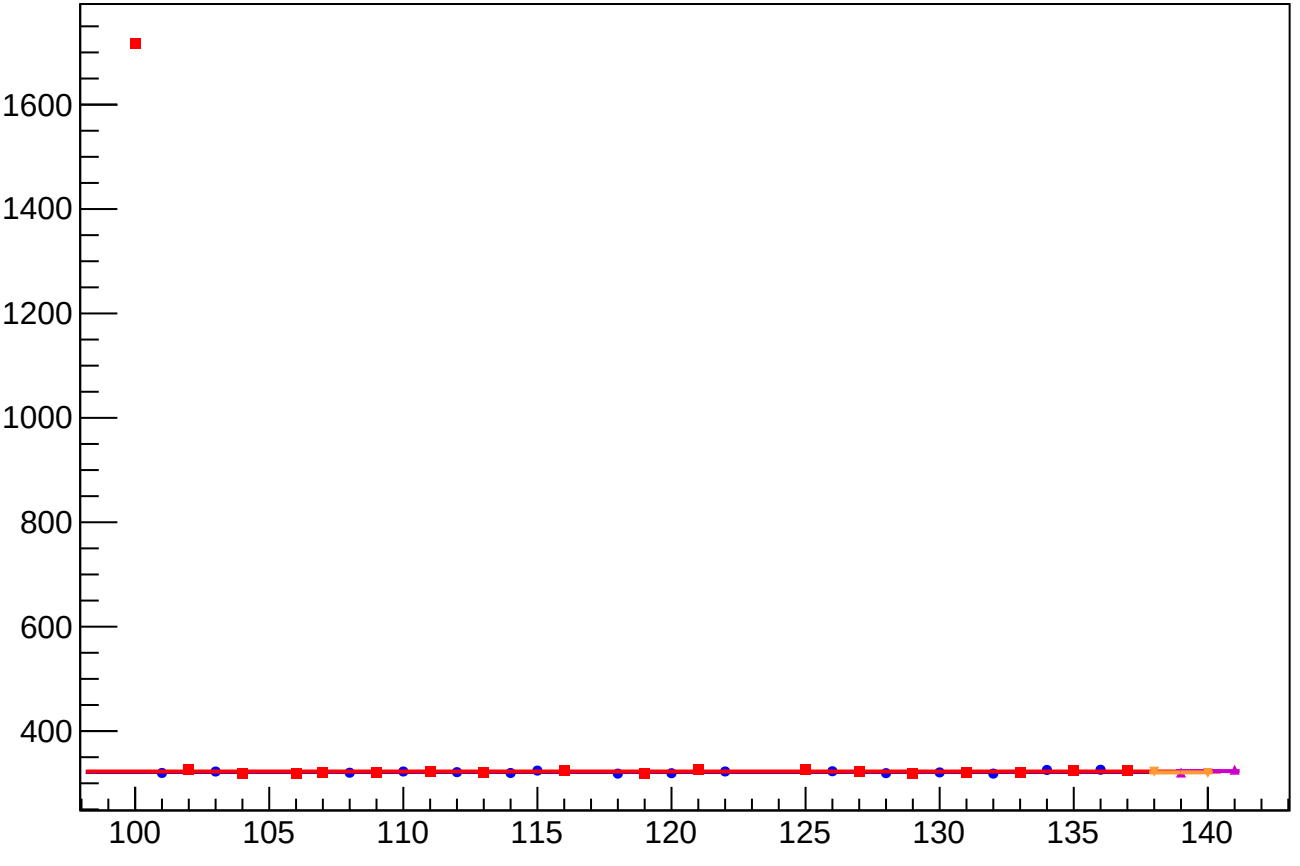
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -29.892+/-107.420 χ^2/NDF:17.6/17

Out: 53.474+/-107.747 χ^2/NDF:18.2/19

All: 11.664+/-76.073 χ^2/NDF: 36.1/37

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 320.870+/-0.178 χ^2/NDF:46.1/1

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 323.422+/-0.174 χ^2/NDF:241.9/1

Left: 322.177+/-0.124 χ^2/NDF: 393.1/3

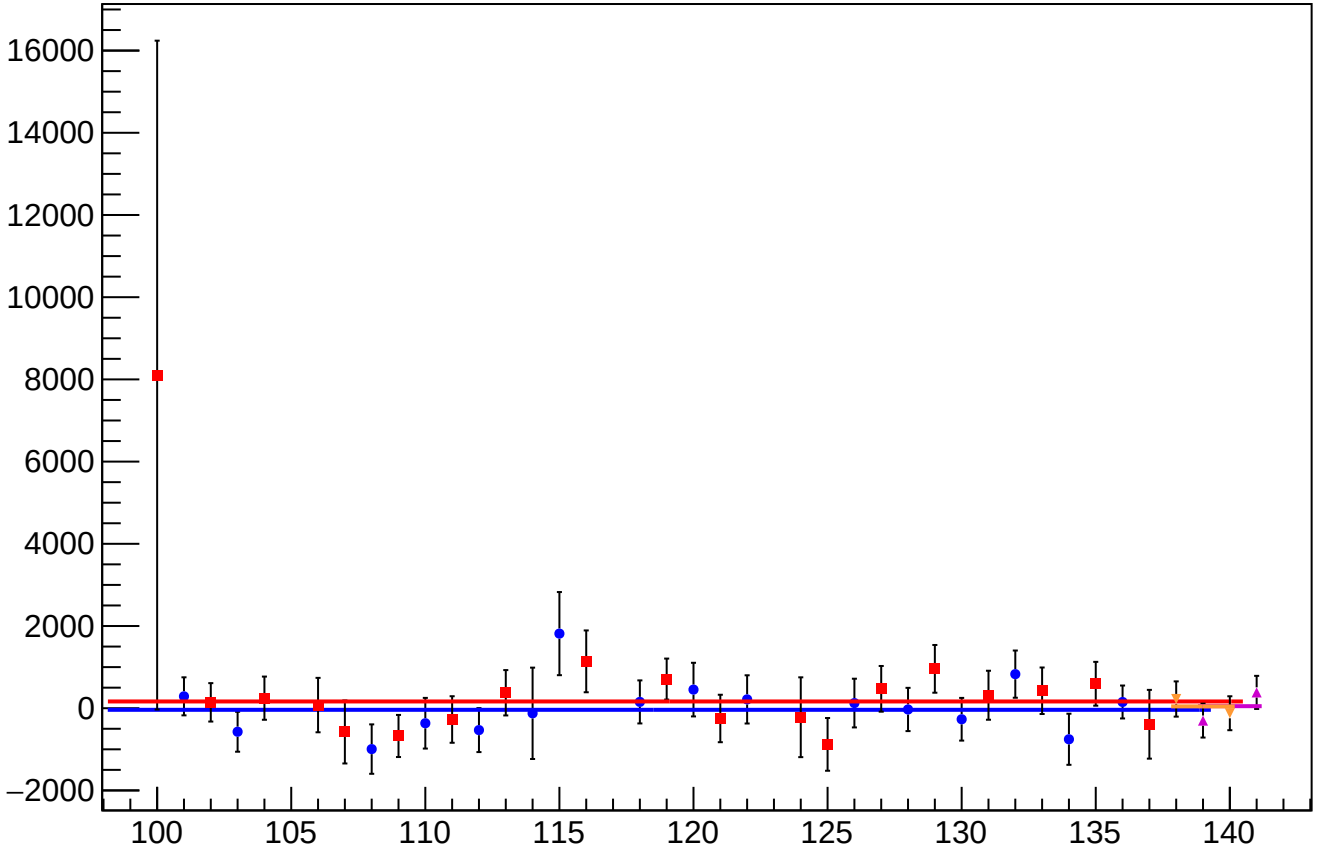
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 321.951+/-0.076 χ^2/NDF:1153.3/17

Out: 322.245+/-0.076 χ^2/NDF:97010.9/19

All: 322.098+/-0.054 χ^2/NDF: 98171.6/37

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 44.462+/-297.424 χ^2/NDF:0.3/1

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: 49.848+/-288.023 χ^2/NDF:1.4/1

Left: 47.242+/-206.907 χ^2/NDF: 1.8/3

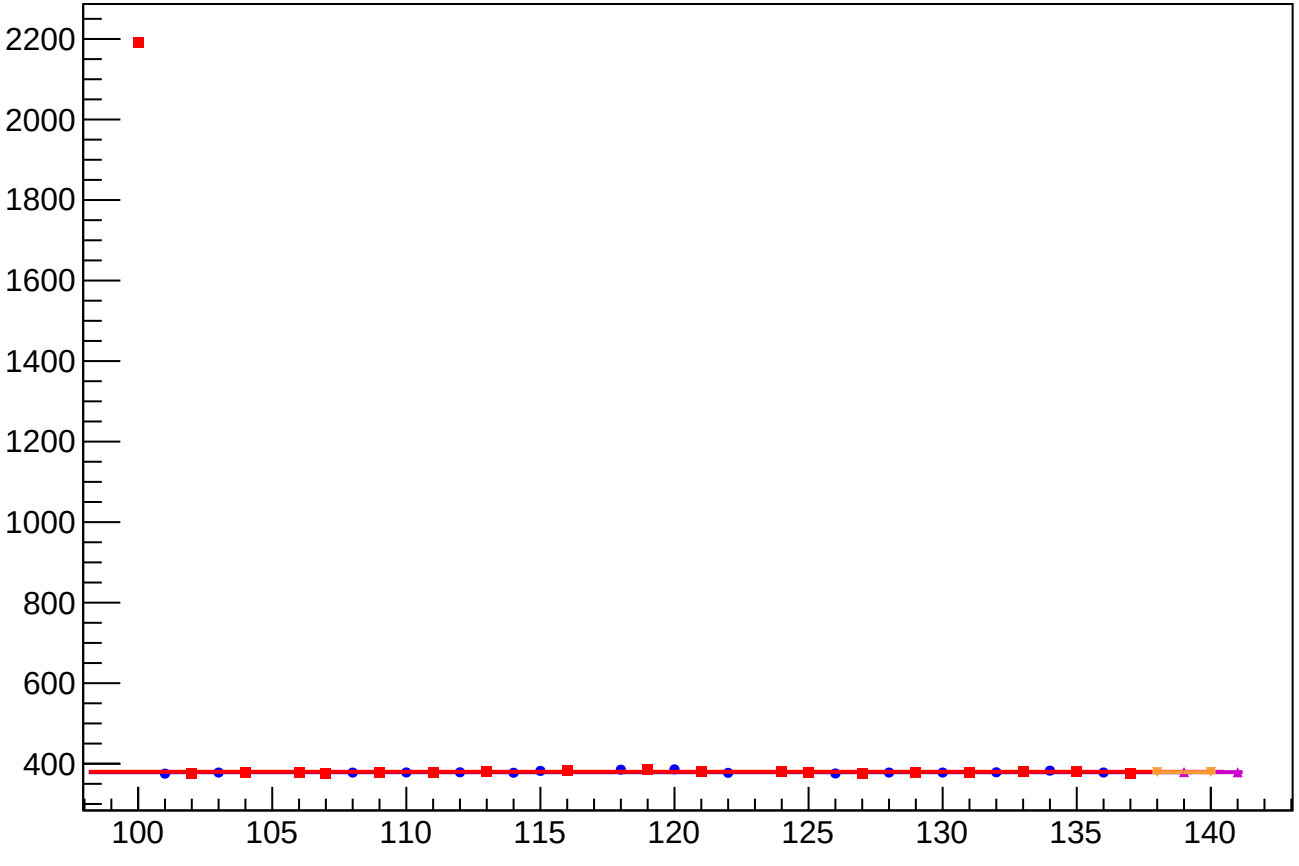
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -21.810+/-126.436 χ^2/NDF:15.2/17

Out: 143.106+/-125.899 χ^2/NDF:15.6/20

All: 61.000+/-89.213 χ^2/NDF: 31.7/38

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.975+/-0.210 χ^2/NDF:0.4/1

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 379.010+/-0.204 χ^2/NDF:1.6/1

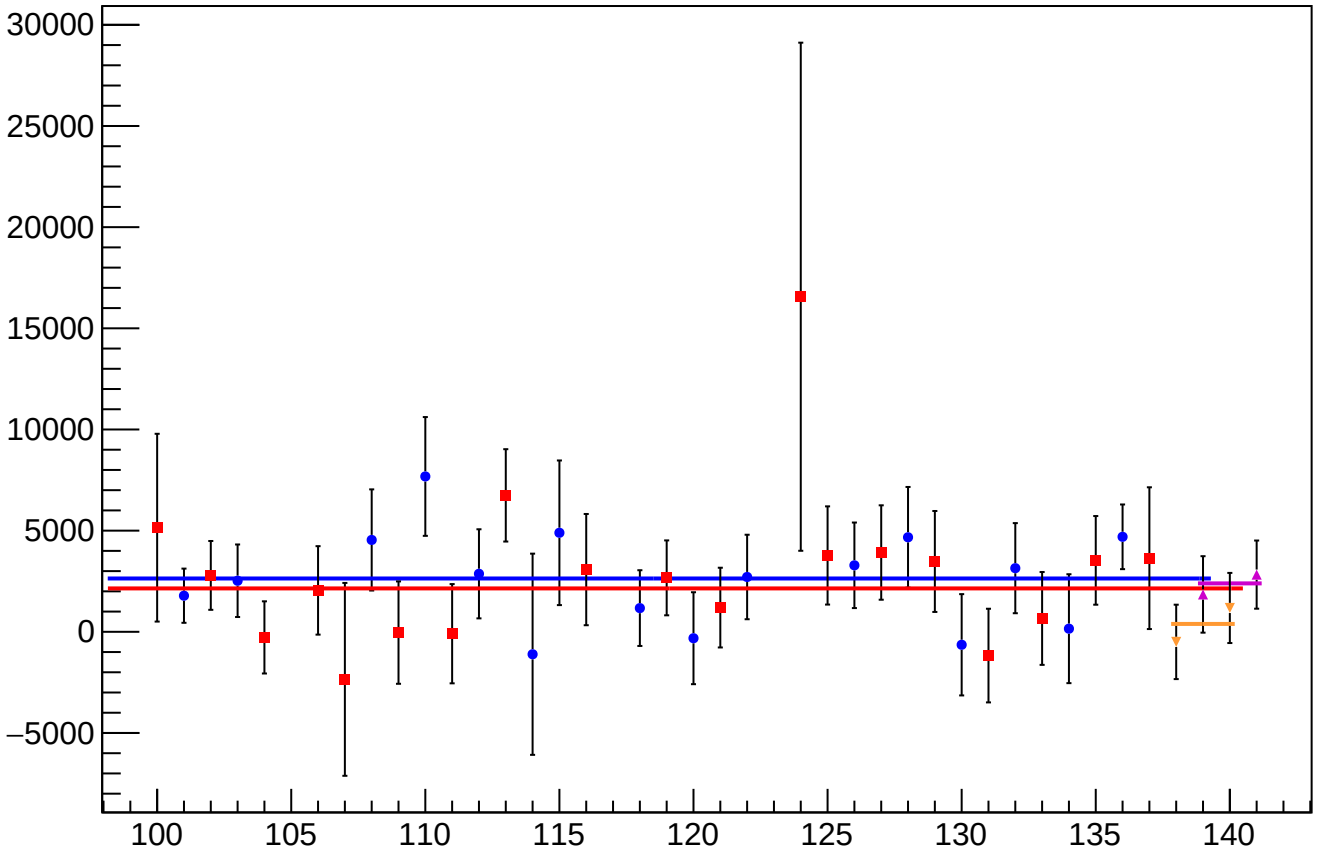
Left: 378.993+/-0.146 χ^2/NDF: 2.1/3

Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.929+/-0.089 χ^2/NDF:853.0/17

Out: 379.716+/-0.089 χ^2/NDF:99637.0/20

All: 379.324+/-0.063 χ^2/NDF: 100528.9/38



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

Left Out: 389.274+/-1261.201 χ^2/NDF:0.4/1

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 2393.398+/-1257.408 χ^2/NDF:0.1/1

Left: 1394.355+/-890.460 χ^2/NDF: 1.9/3

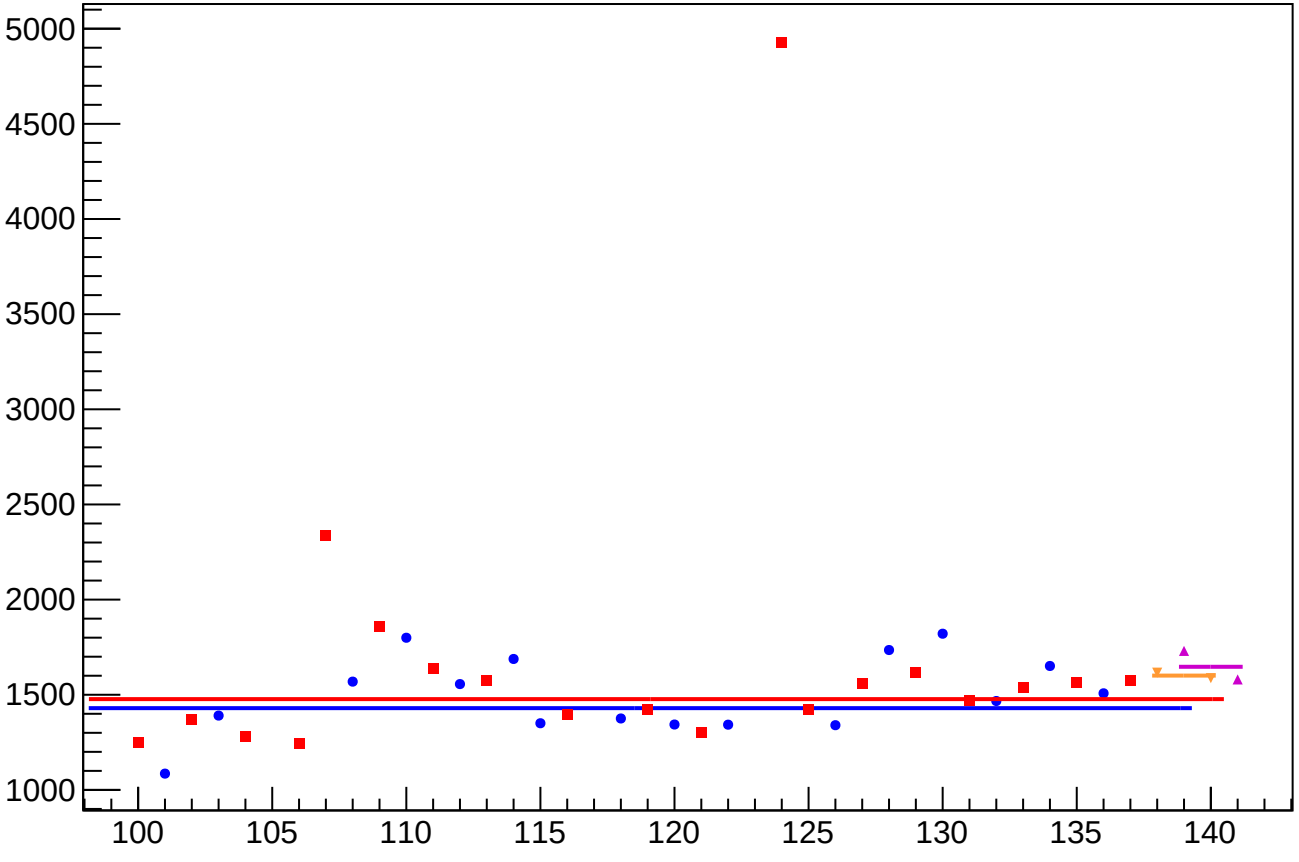
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2597.946+/-494.653 χ^2/NDF:12.4/17

Out: 1866.693+/-501.805 χ^2/NDF:17.1/20

All: 2237.568+/-352.274 χ^2/NDF: 30.6/38

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1600.752+/-0.892 χ^2/NDF:262.0/1

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

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

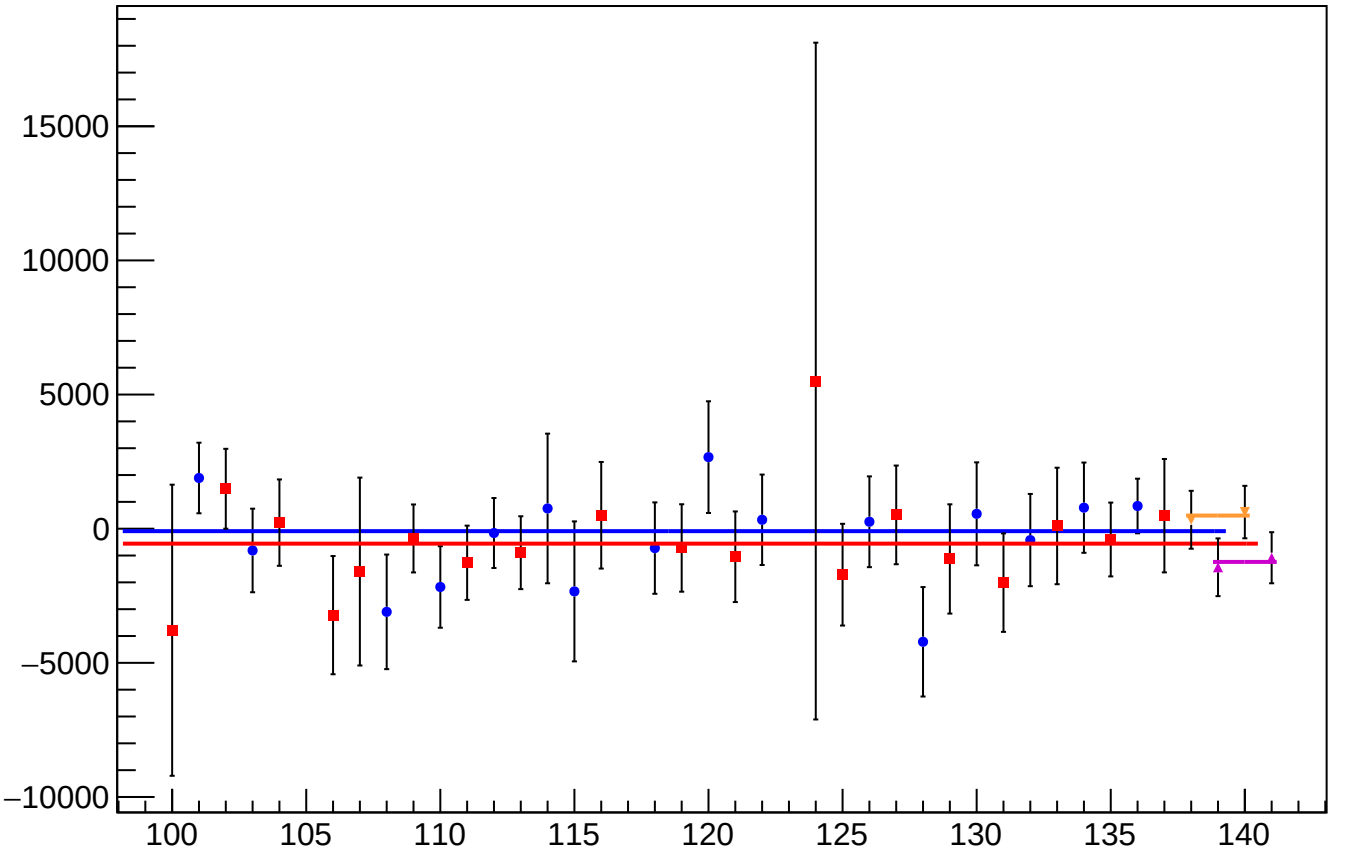
Left: 1623.943+/-0.630 χ^2/NDF: 8629.3/3

Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1463.289+/-0.350 χ^2/NDF:350913.2/17

Out: 1496.697+/-0.355 χ^2/NDF:385867.2/20

All: 1479.753+/-0.249 χ^2/NDF: 741276.3/38



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

Left Out: 490.305+/-724.511 χ^2/NDF:0.0/1

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

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

Left: -387.581+/-508.247 χ^2/NDF: 3.0/3

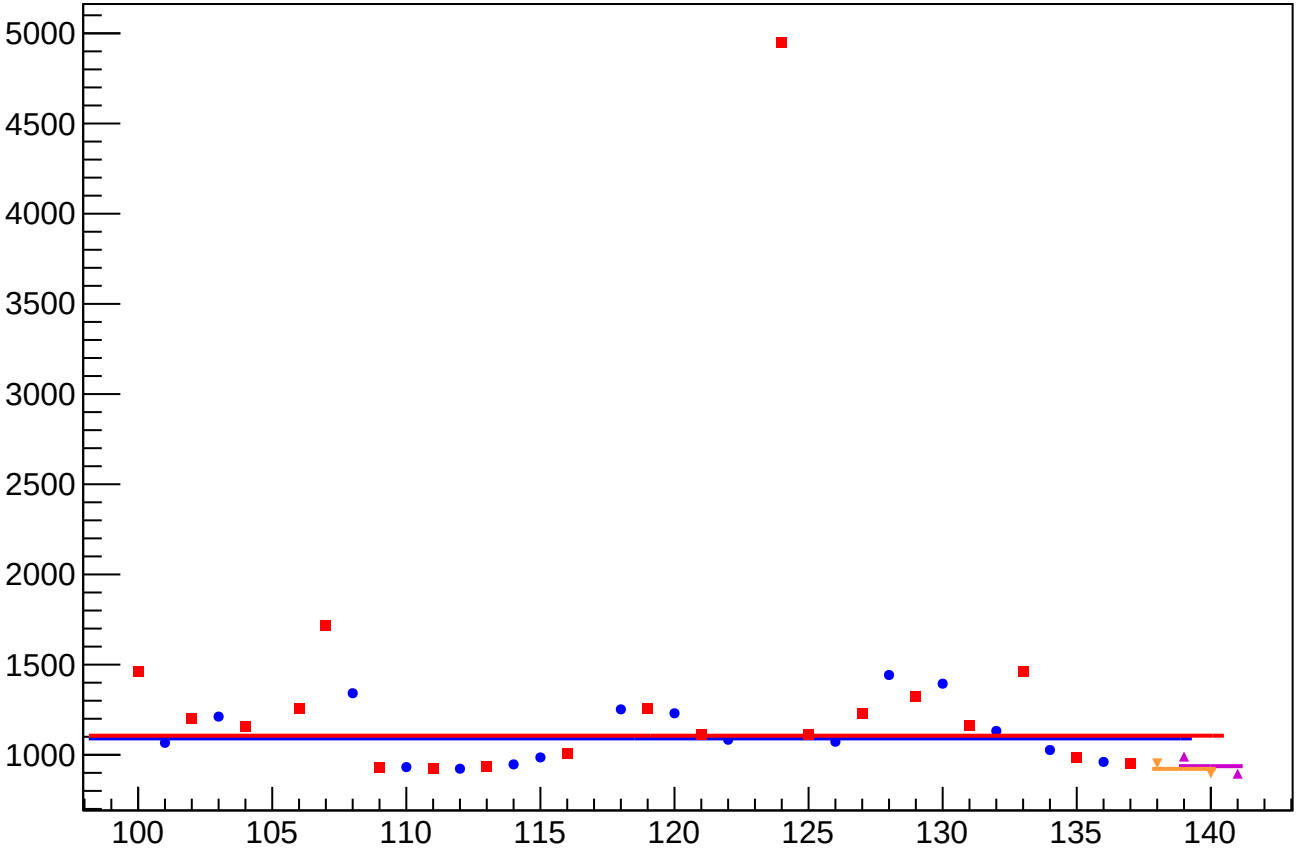
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -376.156+/-355.418 χ^2/NDF:16.5/17

Out: -301.579+/-357.713 χ^2/NDF:8.4/20

All: -339.107+/-252.126 χ^2/NDF: 24.9/38

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 922.221+/-0.512 χ^2/NDF:2807.5/1

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

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

Left: 929.798+/-0.359 χ^2/NDF: 11955.1/3

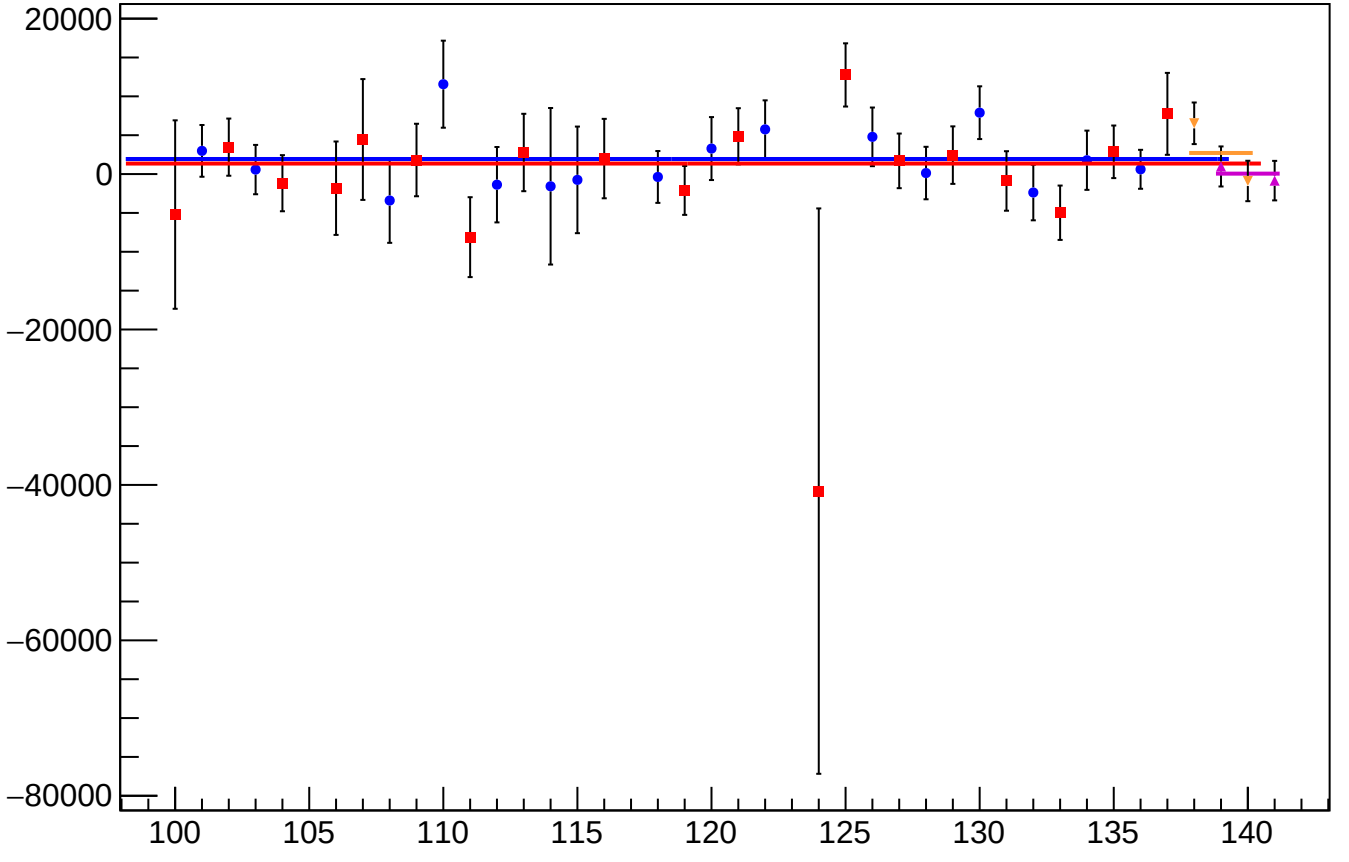
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1052.816+/-0.251 χ^2/NDF:356028.5/17

Out: 1061.235+/-0.253 χ^2/NDF:614270.5/20

All: 1056.999+/-0.178 χ^2/NDF: 970856.5/38

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2714.077+/-1864.759 χ^2/NDF:4.0/1

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 54.731+/-1809.585 χ^2/NDF:0.3/1

Left: 1344.481+/-1298.637 χ^2/NDF: 5.3/3

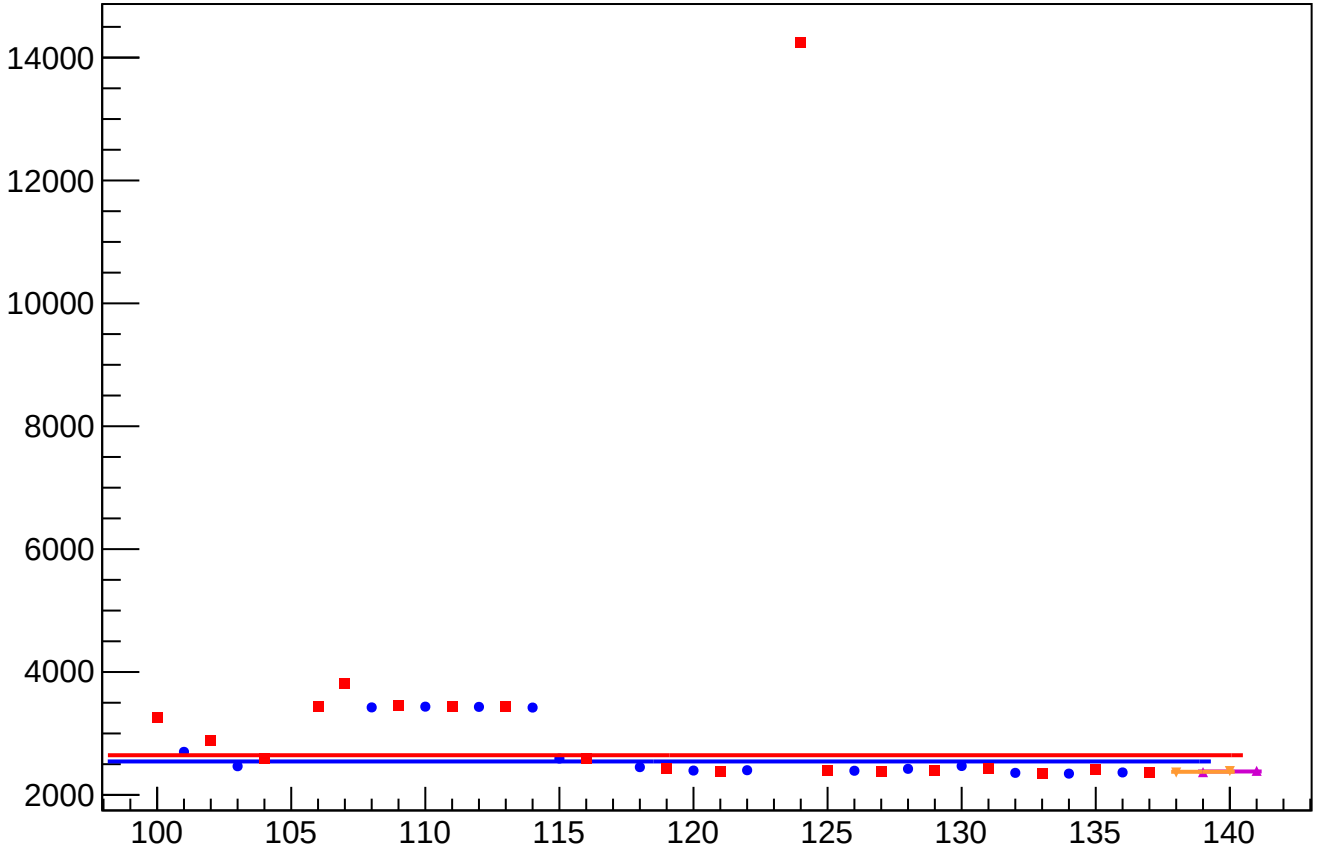
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1530.695+/-842.894 χ^2/NDF:13.3/17

Out: 1650.307+/-871.043 χ^2/NDF:26.2/20

All: 1588.537+/-605.723 χ^2/NDF: 39.5/38

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF:78.7/1

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2381.269+/-1.280 χ^2/NDF:69.2/1

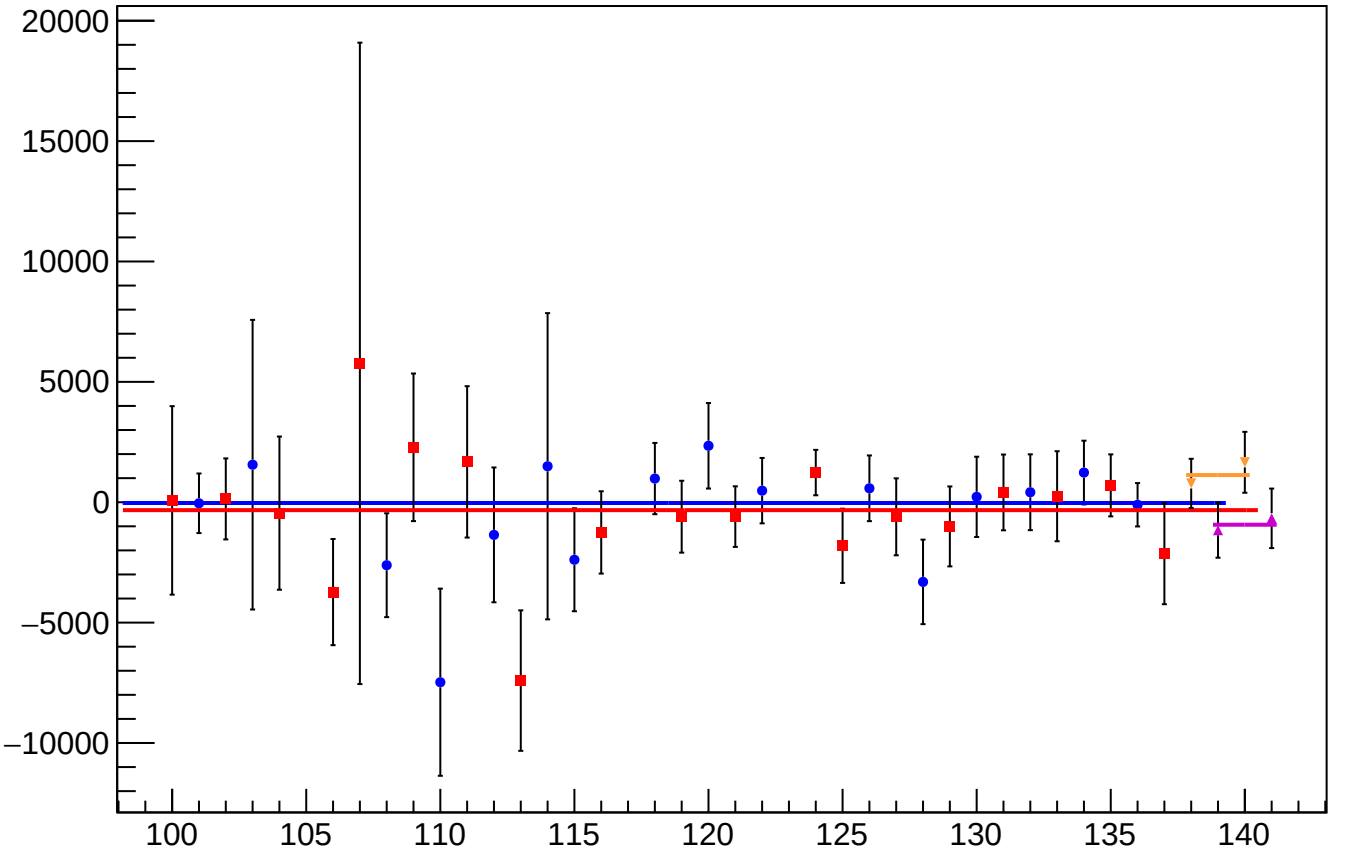
Left: 2378.782+/-0.918 χ^2/NDF: 155.8/3

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2509.019+/-0.596 χ^2/NDF:238412.7/17

Out: 2586.844+/-0.616 χ^2/NDF:569704.2/20

All: 2546.653+/-0.428 χ^2/NDF: 816361.9/38



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 1128.649+/-794.729 χ^2/NDF:0.3/1

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -934.475+/-839.153 χ^2/NDF:0.1/1

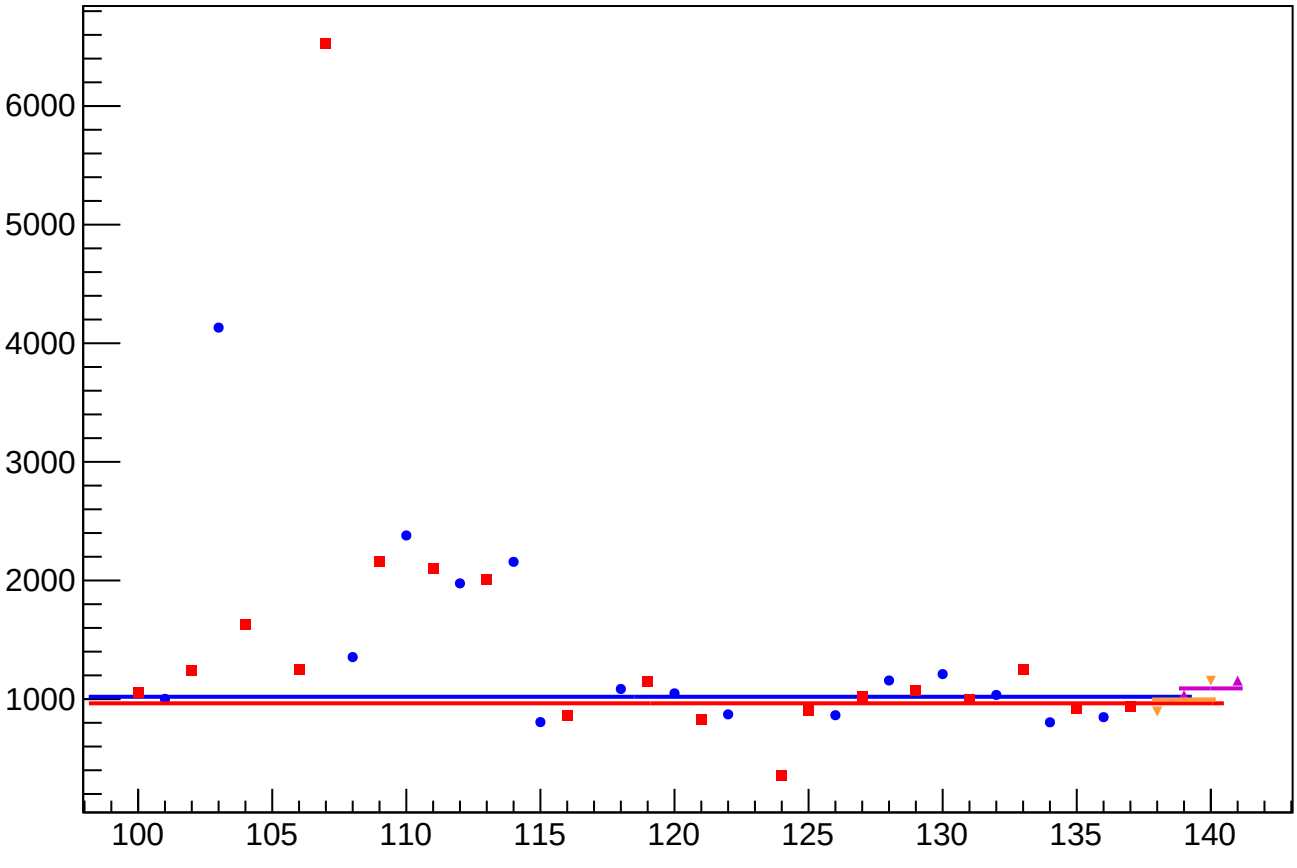
Left: 153.140+/-577.024 χ^2/NDF: 3.6/3

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -202.340+/-365.272 χ^2/NDF:14.8/17

Out: -35.638+/-356.274 χ^2/NDF:18.6/20

All: -116.911+/-255.045 χ^2/NDF: 33.5/38



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 997.233+/-0.562 χ^2/NDF:51112.5/1

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 1090.023+/-0.593 χ^2/NDF:10494.6/1

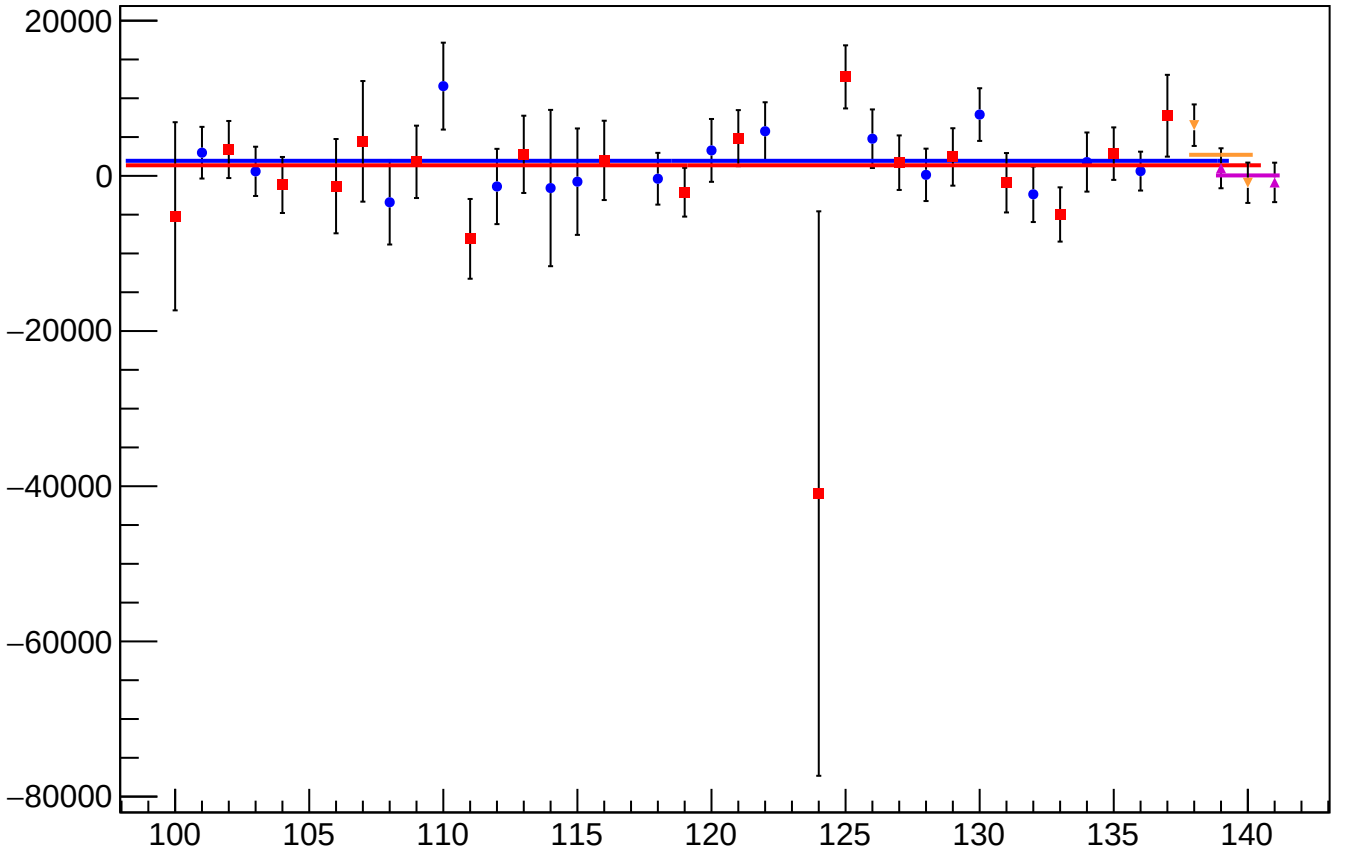
Left: 1041.107+/-0.408 χ^2/NDF: 74498.3/3

Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 1032.881+/-0.258 χ^2/NDF:1386682.2/17

Out: 970.982+/-0.252 χ^2/NDF:2363202.9/20

All: 1001.159+/-0.180 χ^2/NDF: 3779318.0/38



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2714.089+/-1864.759 χ^2/NDF:4.0/1

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 55.230+/-1809.585 χ^2/NDF:0.3/1

Left: 1344.744+/-1298.637 χ^2/NDF: 5.3/3

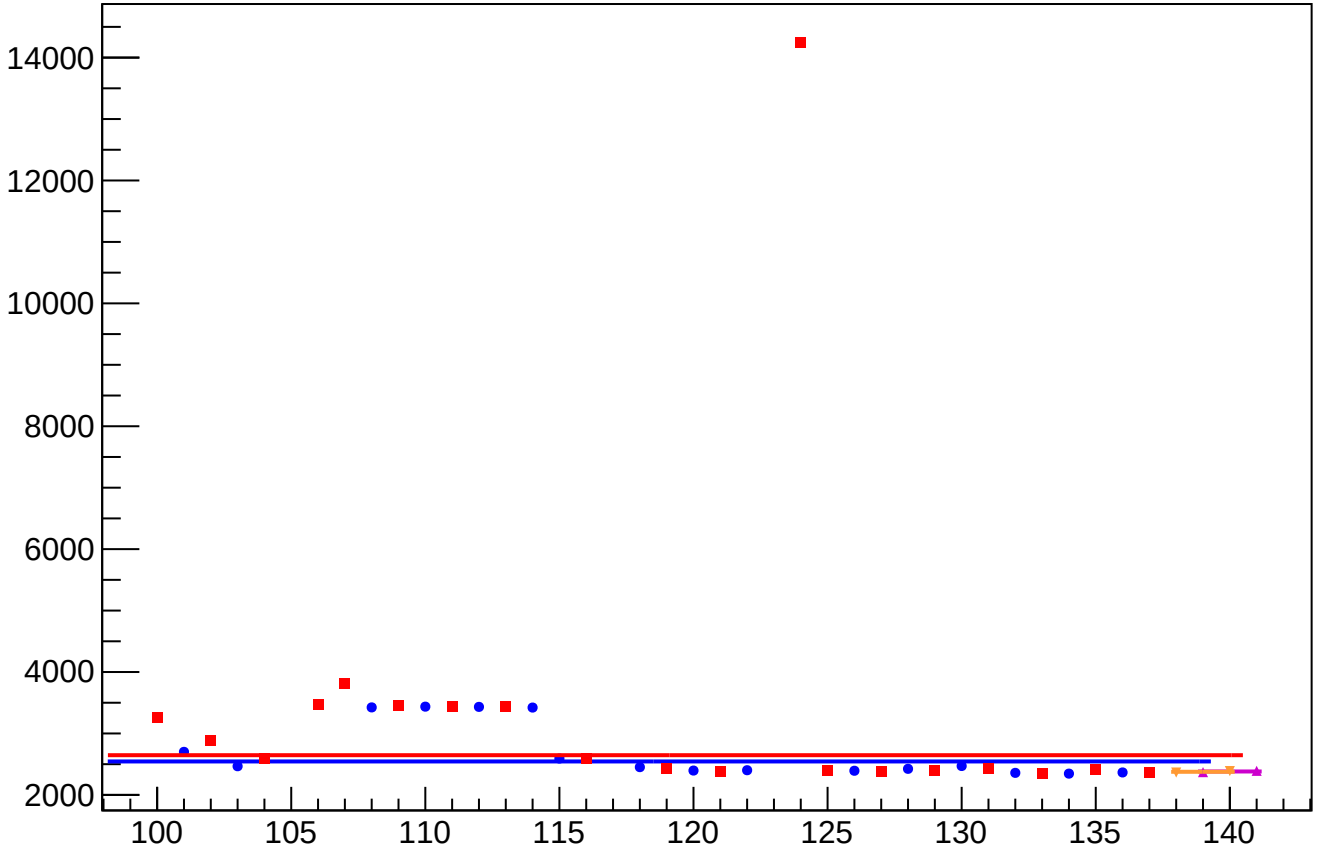
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1531.077+/-842.894 χ^2/NDF:13.3/17

Out: 1658.004+/-871.251 χ^2/NDF:26.1/20

All: 1592.441+/-605.793 χ^2/NDF: 39.4/38

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF:78.7/1

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2381.269+/-1.280 χ^2/NDF:69.2/1

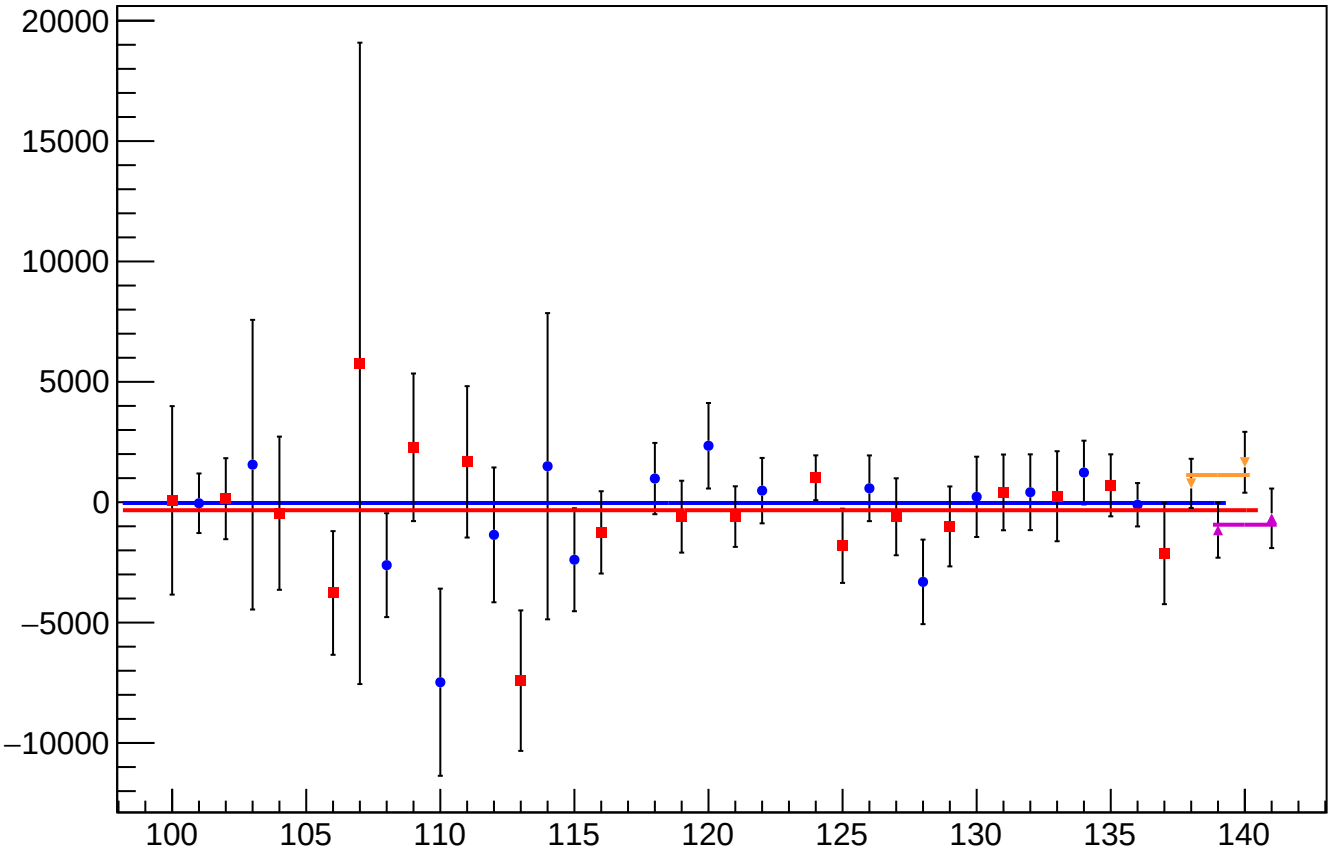
Left: 2378.782+/-0.918 χ^2/NDF: 155.8/3

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2509.019+/-0.596 χ^2/NDF:238412.7/17

Out: 2587.250+/-0.616 χ^2/NDF:572416.4/20

All: 2546.841+/-0.428 χ^2/NDF: 819158.4/38



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 1128.678+/-794.733 χ^2/NDF:0.3/1

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -934.483+/-839.155 χ^2/NDF:0.1/1

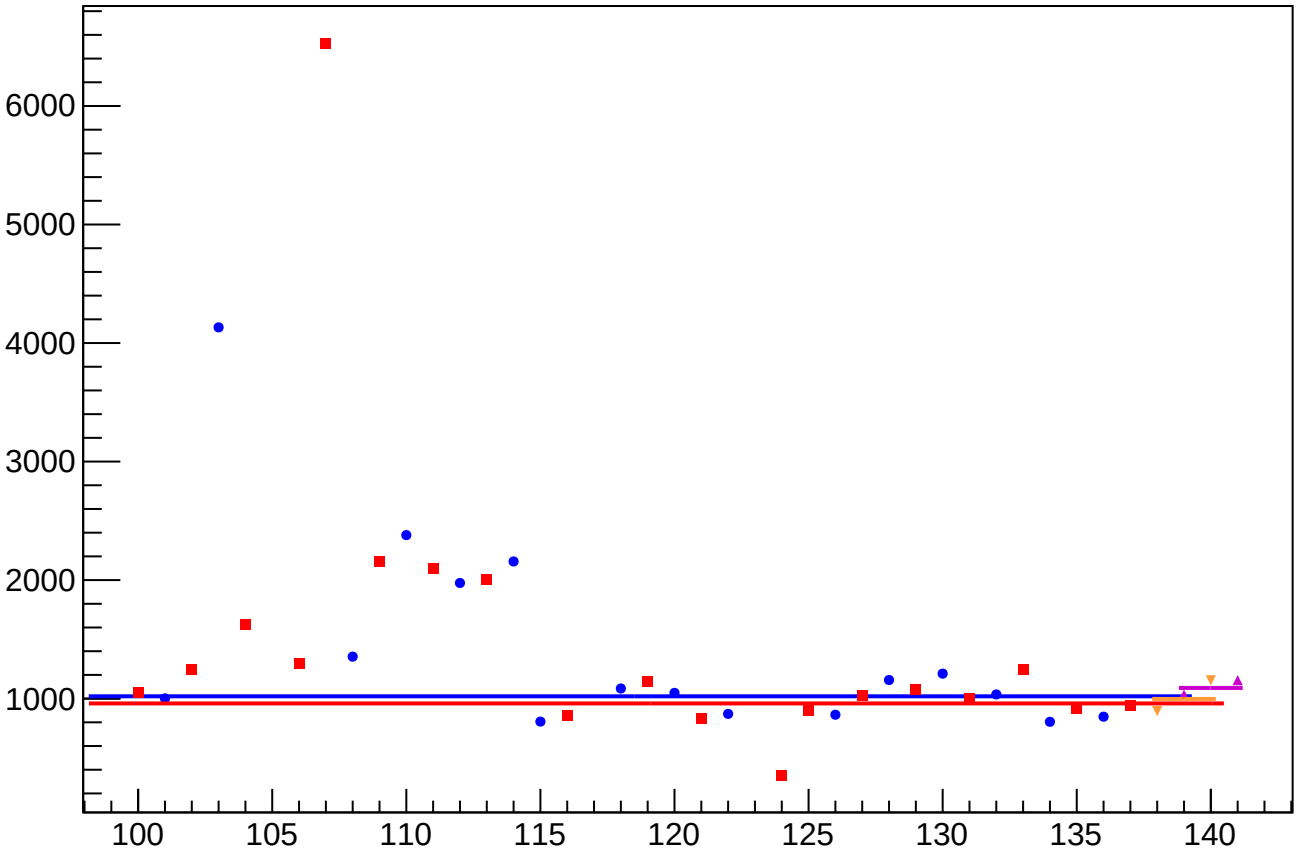
Left: 153.150+/-577.026 χ^2/NDF: 3.6/3

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -202.389+/-365.270 χ^2/NDF:14.8/17

Out: -37.518+/-356.821 χ^2/NDF:17.4/20

All: -118.025+/-255.245 χ^2/NDF: 32.3/38



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 997.240+/-0.562 χ^2/NDF:51106.3/1

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 1090.023+/-0.593 χ^2/NDF:10496.3/1

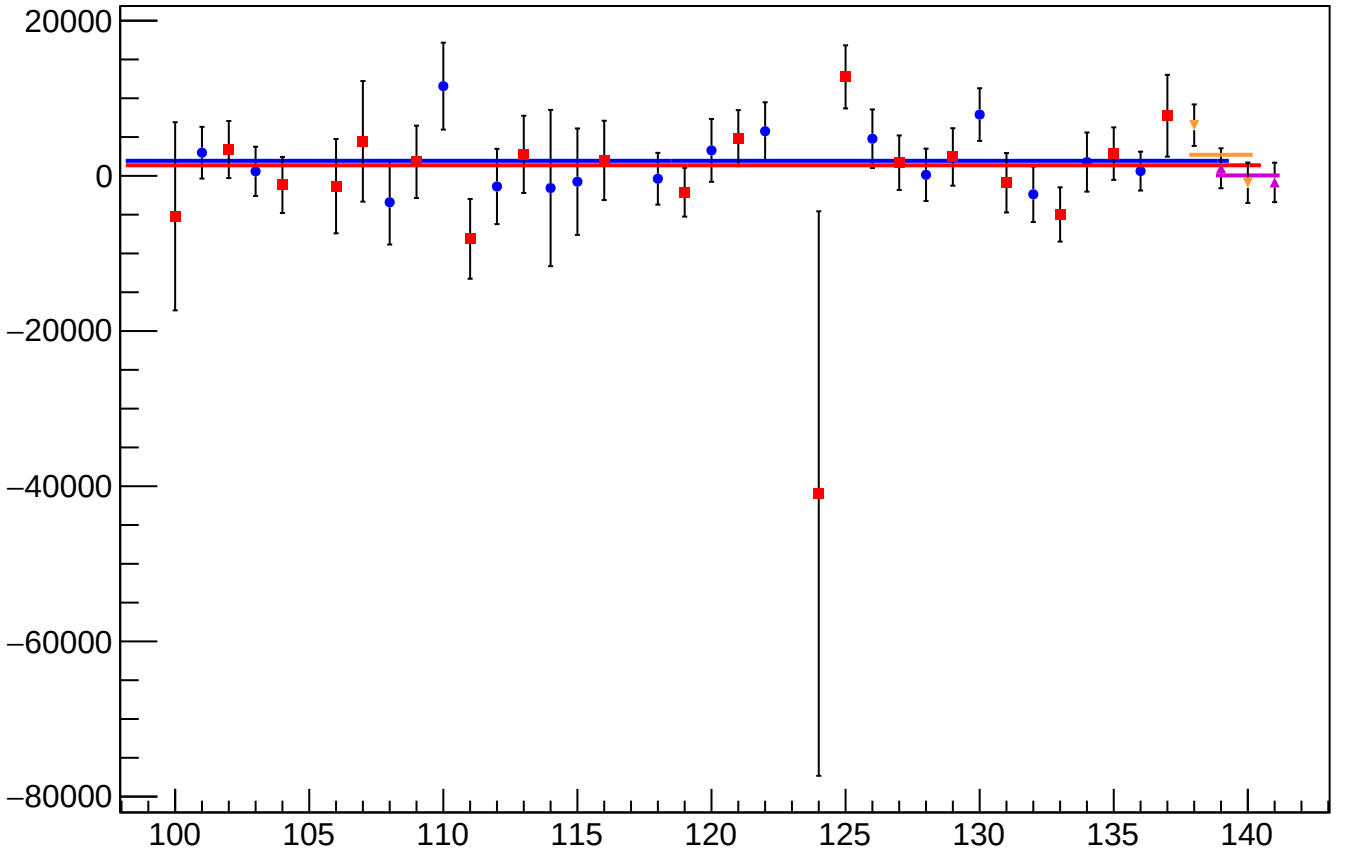
Left: 1041.110+/-0.408 χ^2/NDF: 74492.0/3

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 1032.873+/-0.258 χ^2/NDF:1386681.8/17

Out: 966.983+/-0.252 χ^2/NDF:2399171.8/20

All: 999.157+/-0.180 χ^2/NDF: 3819154.7/38



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2714.089+/-1864.759 χ^2/NDF:4.0/1

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 55.230+/-1809.585 χ^2/NDF:0.3/1

Left: 1344.744+/-1298.637 χ^2/NDF: 5.3/3

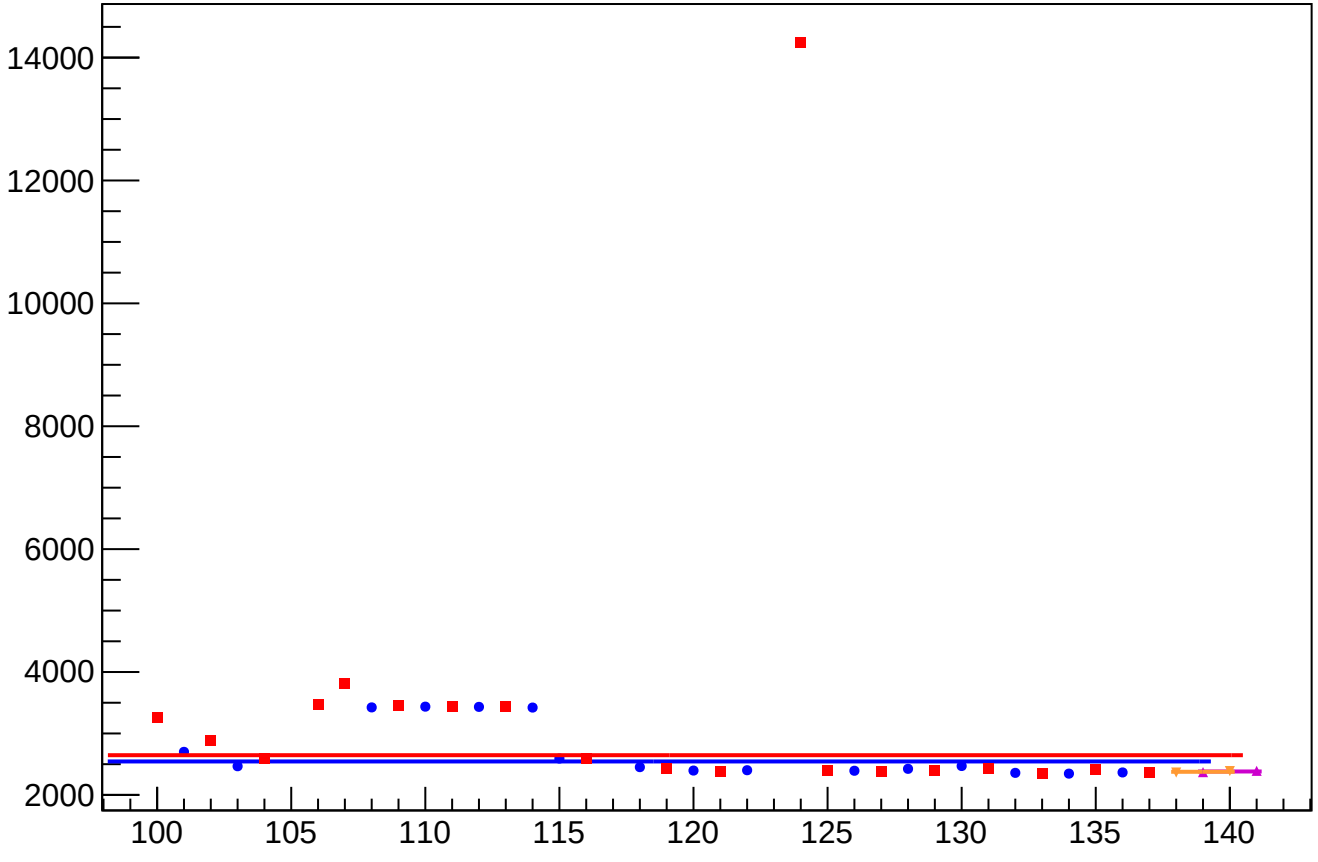
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1531.077+/-842.894 χ^2/NDF:13.3/17

Out: 1658.004+/-871.251 χ^2/NDF:26.1/20

All: 1592.441+/-605.793 χ^2/NDF: 39.4/38

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2376.142+/-1.319 χ^2/NDF:78.7/1

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2381.269+/-1.280 χ^2/NDF:69.2/1

Left: 2378.782+/-0.918 χ^2/NDF: 155.8/3

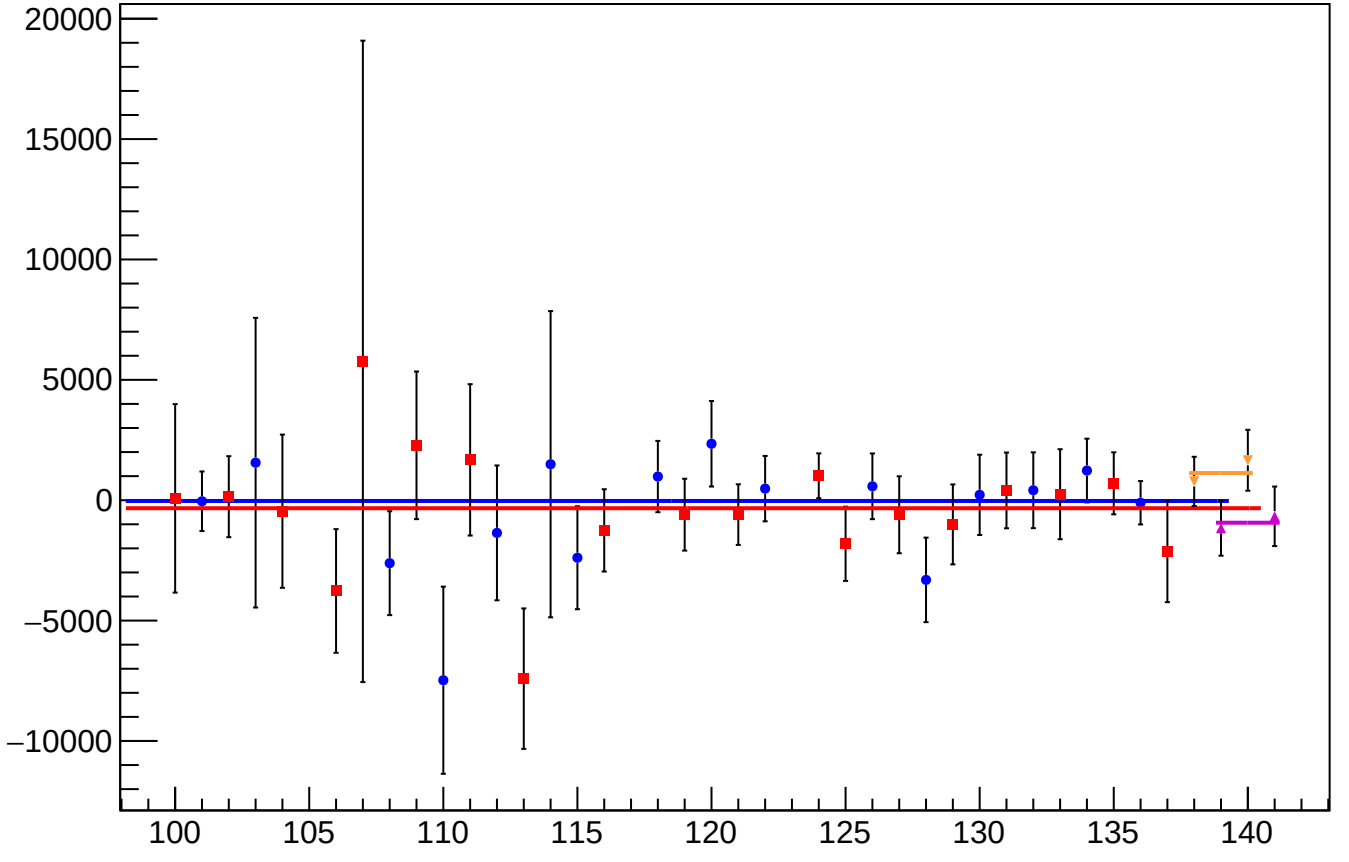
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2509.019+/-0.596 χ^2/NDF:238412.7/17

Out: 2587.250+/-0.616 χ^2/NDF:572416.4/20

All: 2546.841+/-0.428 χ^2/NDF: 819158.4/38

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 1128.678+/-794.733 χ^2/NDF:0.3/1

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -934.483+/-839.155 χ^2/NDF:0.1/1

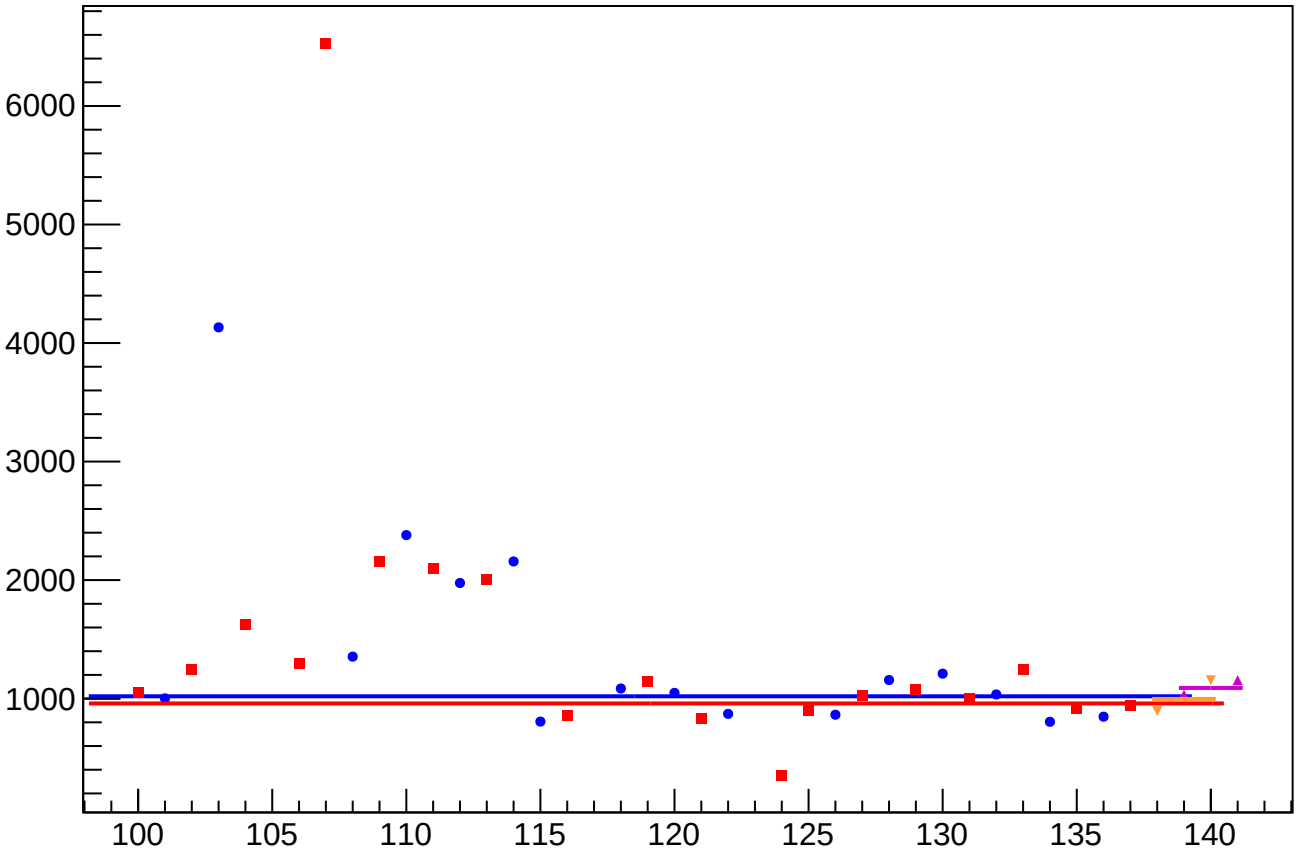
Left: 153.150+/-577.026 χ^2/NDF: 3.6/3

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -202.389+/-365.270 χ^2/NDF:14.8/17

Out: -37.518+/-356.821 χ^2/NDF:17.4/20

All: -118.025+/-255.245 χ^2/NDF: 32.3/38



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 997.240+/-0.562 χ^2/NDF:51106.3/1

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 1090.023+/-0.593 χ^2/NDF:10496.3/1

Left: 1041.110+/-0.408 χ^2/NDF: 74492.0/3

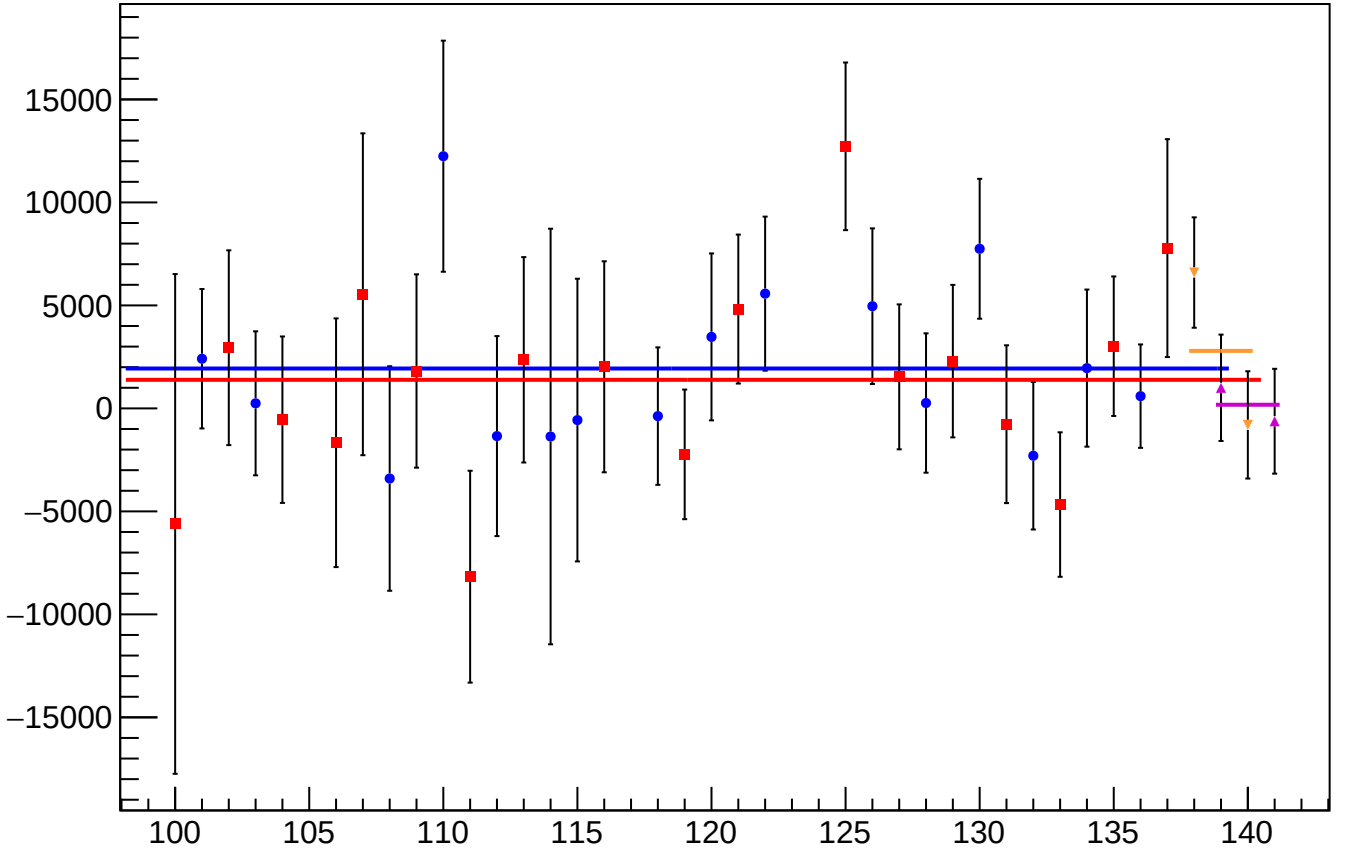
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 1032.873+/-0.258 χ^2/NDF:1386681.8/17

Out: 966.983+/-0.252 χ^2/NDF:2399171.8/20

All: 999.157+/-0.180 χ^2/NDF: 3819154.7/38

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2791.798+/-1867.753 χ^2/NDF:3.9/1

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 176.863+/-1812.283 χ^2/NDF:0.2/1

Left: 1444.924+/-1300.646 χ^2/NDF: 5.1/3

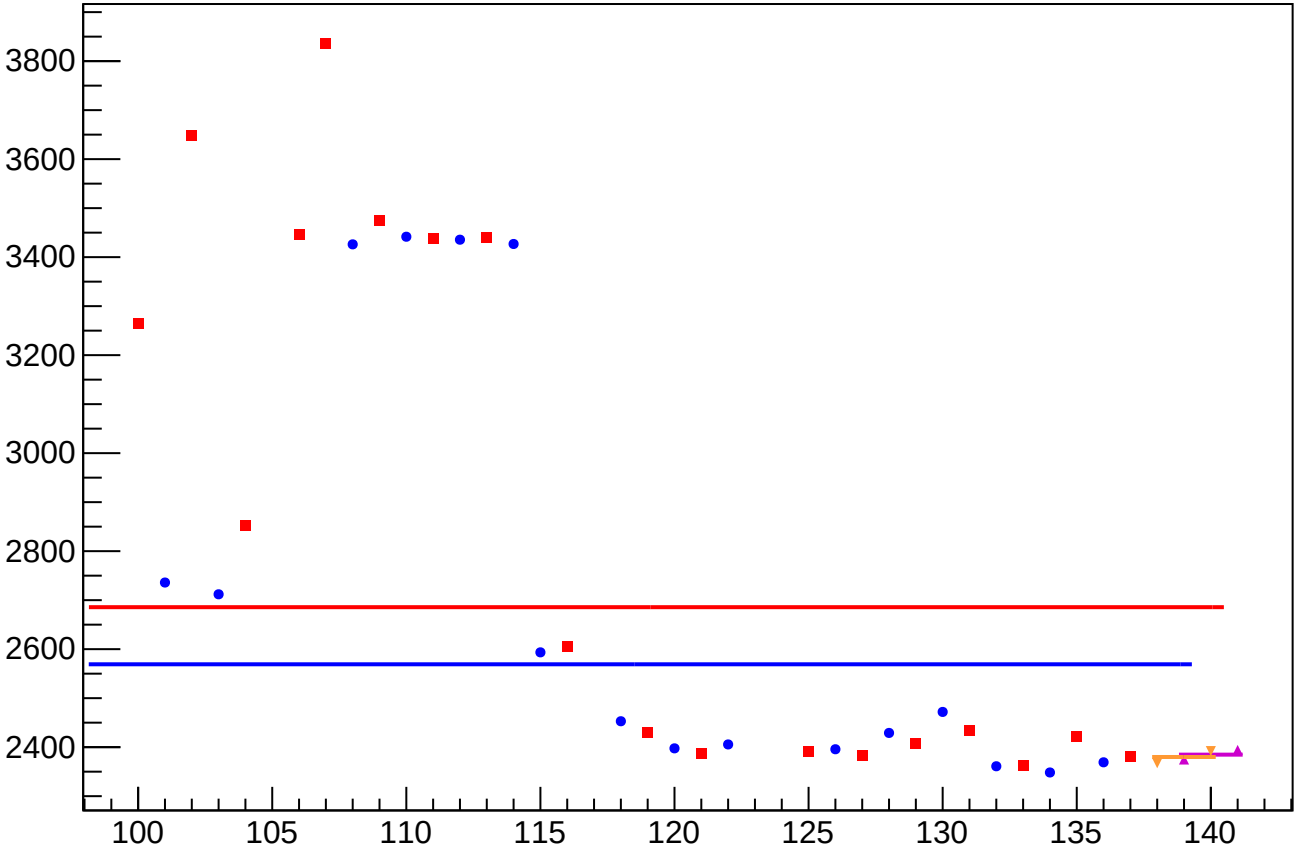
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1549.080+/-849.930 χ^2/NDF:13.3/17

Out: 1704.833+/-887.814 χ^2/NDF:24.1/19

All: 1623.562+/-613.947 χ^2/NDF: 37.4/37

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2379.945+/-1.321 χ^2/NDF:87.3/1

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2384.737+/-1.281 χ^2/NDF:57.7/1

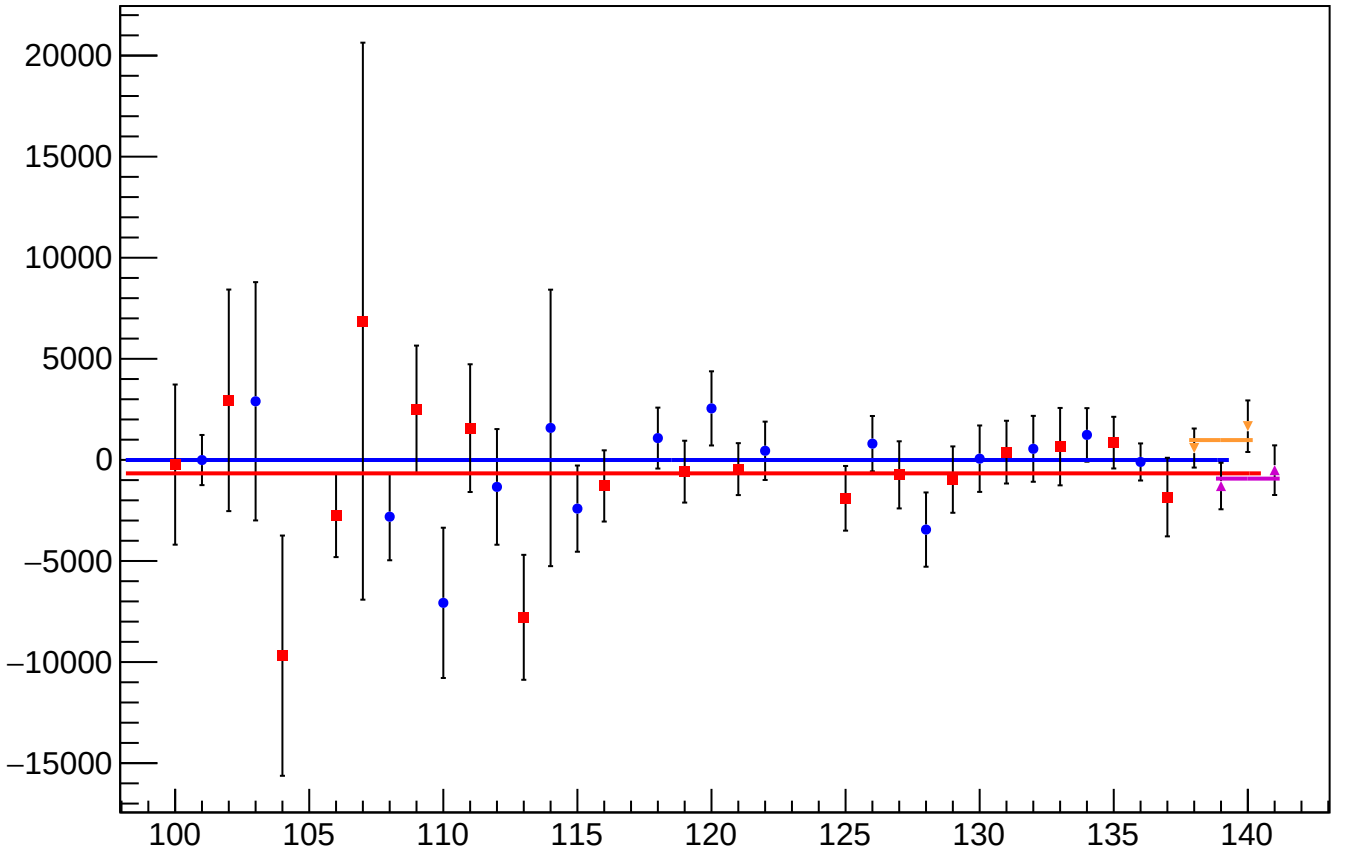
Left: 2382.413+/-0.920 χ^2/NDF: 151.8/3

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2528.574+/-0.601 χ^2/NDF:245696.0/17

Out: 2616.596+/-0.628 χ^2/NDF:460832.0/19

All: 2570.667+/-0.434 χ^2/NDF: 716786.1/37



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 980.291+/-770.107 χ^2/NDF:0.5/1

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -925.971+/-839.469 χ^2/NDF:0.2/1

Left: 109.154+/-567.488 χ^2/NDF: 3.5/3

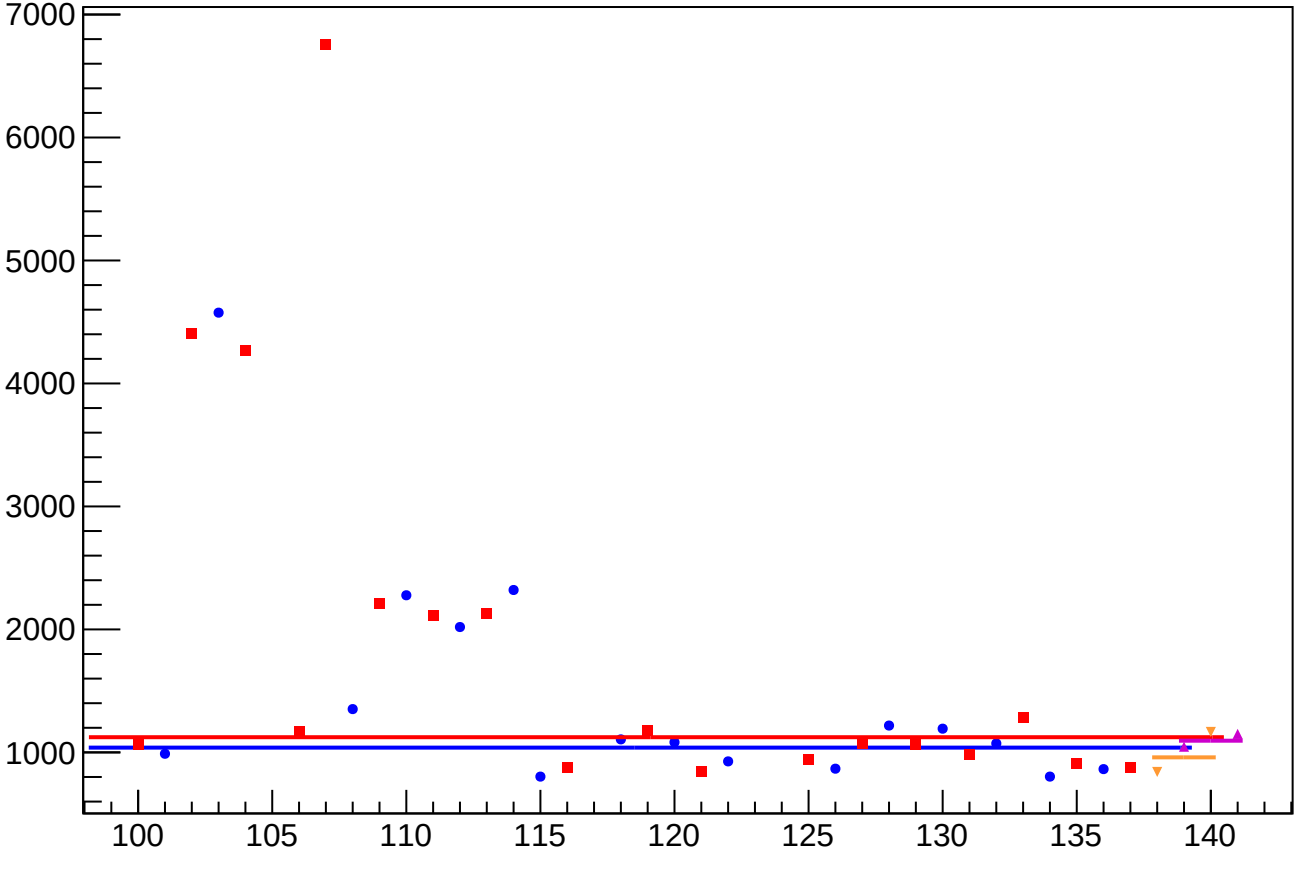
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -184.083+/-370.036 χ^2/NDF:15.7/17

Out: -232.335+/-395.237 χ^2/NDF:18.2/19

All: -206.622+/-270.125 χ^2/NDF: 33.9/37

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 959.602+/-0.545 χ^2/NDF:82742.4/1

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 1095.051+/-0.594 χ^2/NDF:7688.1/1

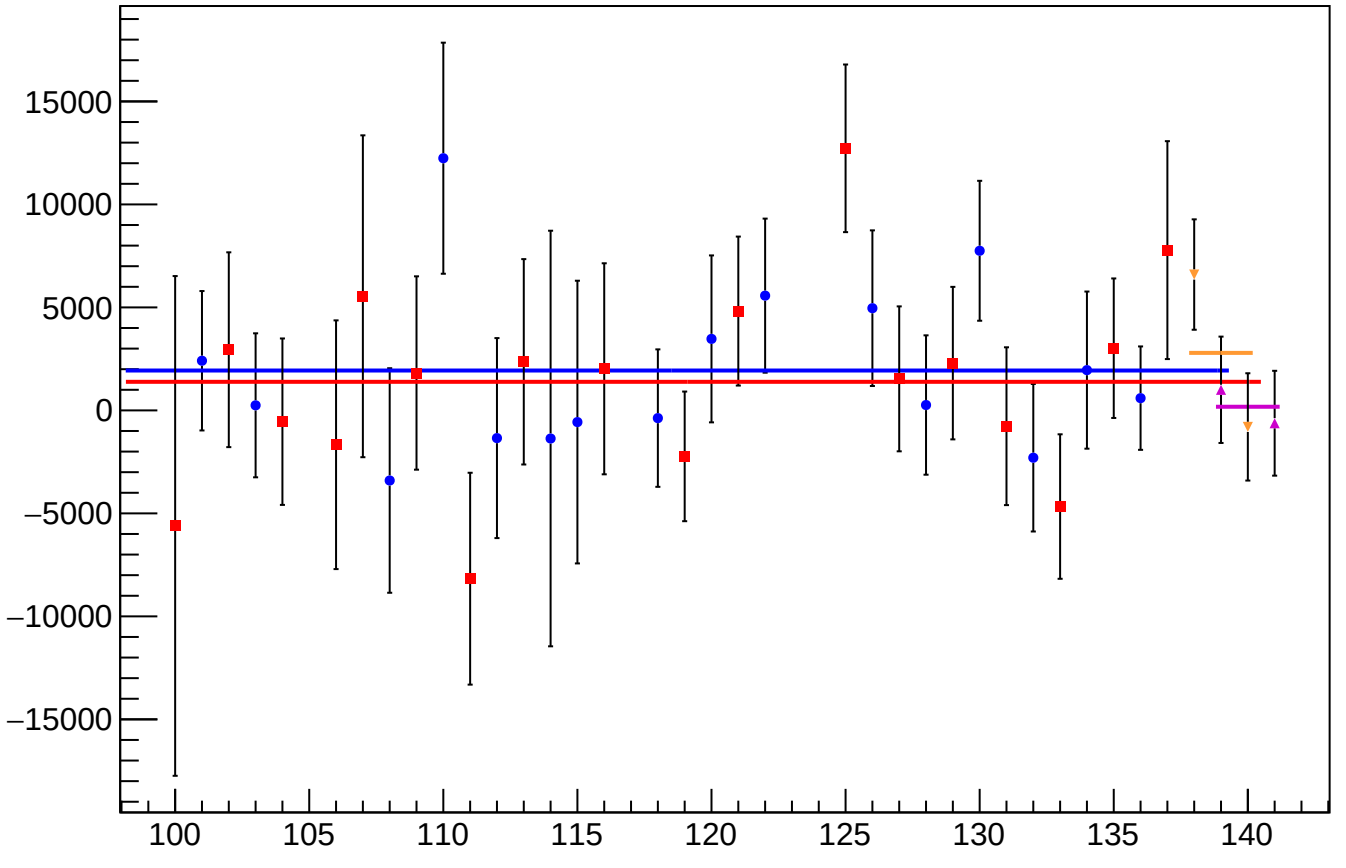
Left: 1021.500+/-0.401 χ^2/NDF: 118704.0/3

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 1049.732+/-0.262 χ^2/NDF:1554653.7/17

Out: 1080.311+/-0.279 χ^2/NDF:2684960.9/19

All: 1064.015+/-0.191 χ^2/NDF: 4245994.1/37



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2791.799+/-1867.753 χ^2/NDF:3.9/1

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 176.862+/-1812.283 χ^2/NDF:0.2/1

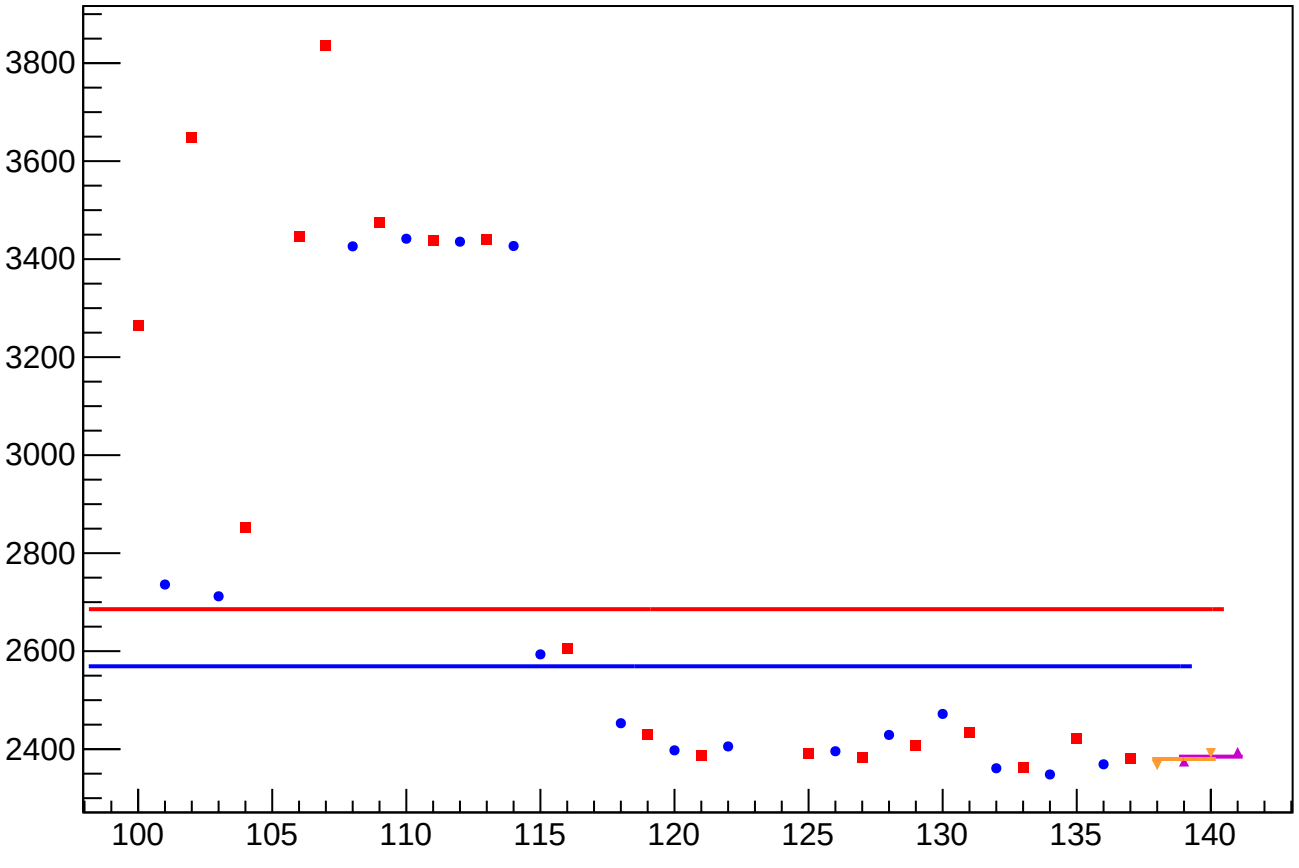
Left: 1444.924+/-1300.646 χ^2/NDF: 5.1/3

Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1549.077+/-849.930 χ^2/NDF:13.3/17

Out: 1704.831+/-887.814 χ^2/NDF:24.1/19

All: 1623.560+/-613.947 χ^2/NDF: 37.4/37



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2379.945+/-1.321 χ^2/NDF:87.3/1

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2384.737+/-1.281 χ^2/NDF:57.7/1

Left: 2382.413+/-0.920 χ^2/NDF: 151.8/3

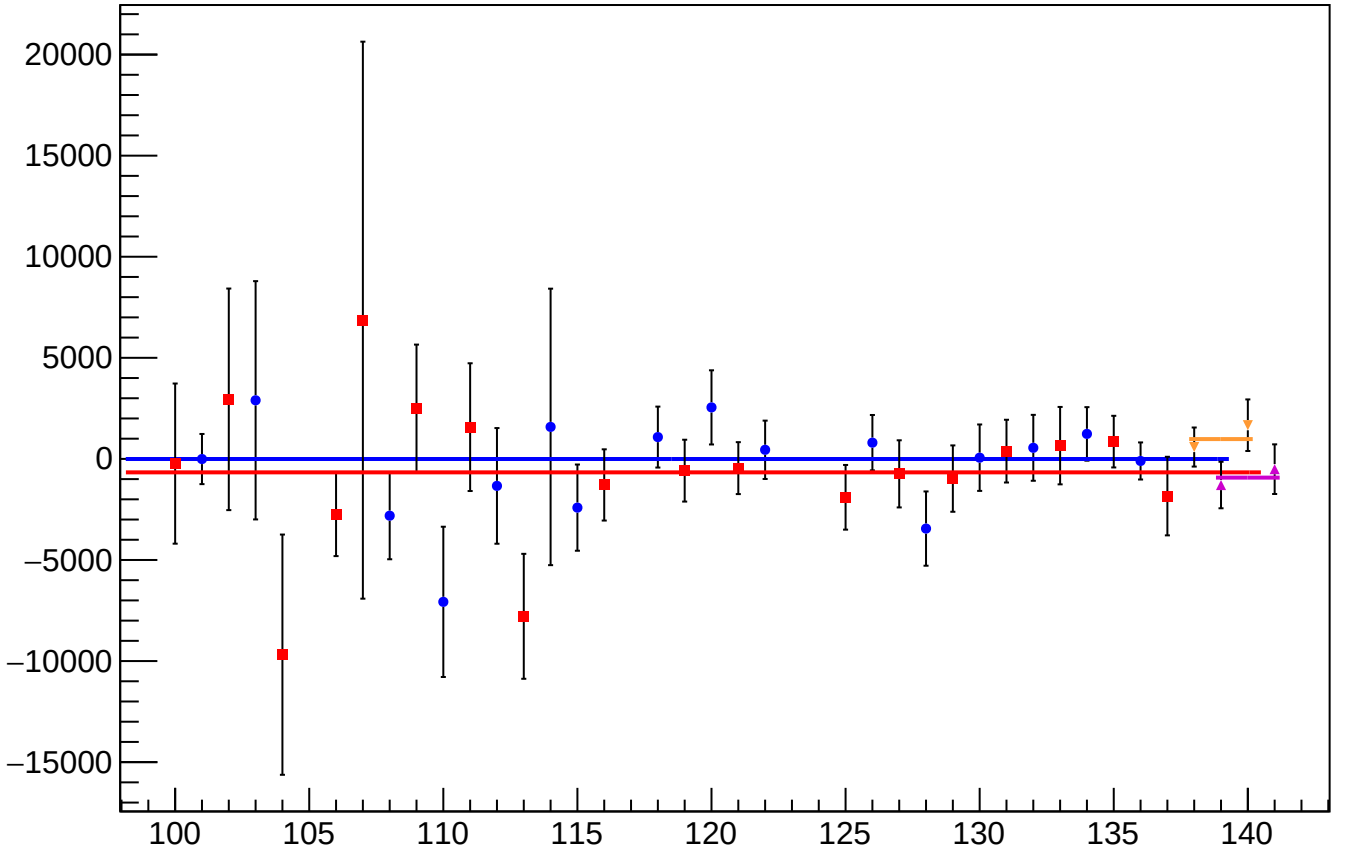
Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2528.573+/-0.601 χ^2/NDF:245695.7/17

Out: 2616.596+/-0.628 χ^2/NDF:460831.3/19

All: 2570.666+/-0.434 χ^2/NDF: 716785.1/37

asym_atl1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 980.292+/-770.108 χ^2/NDF:0.5/1

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -925.974+/-839.470 χ^2/NDF:0.2/1

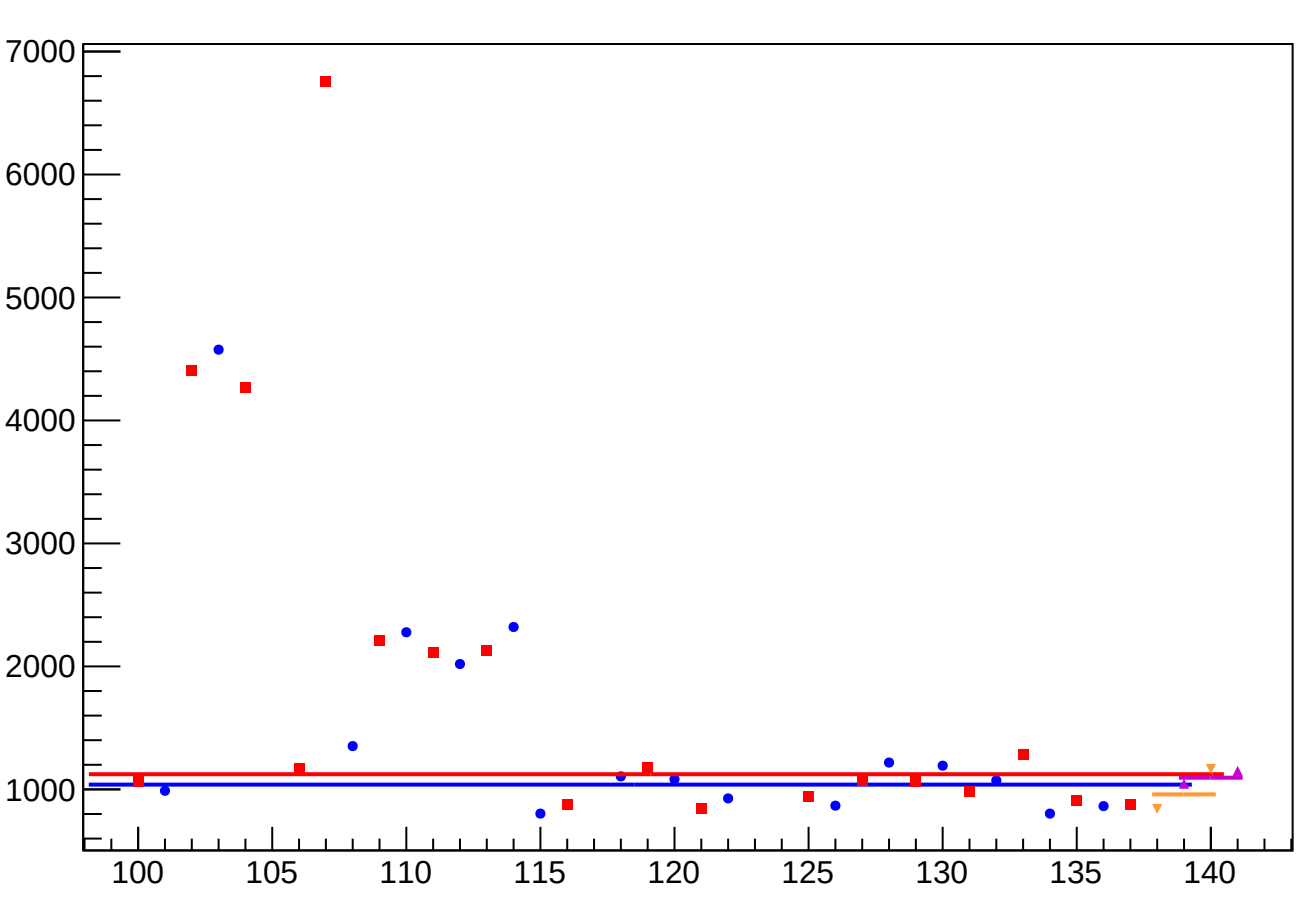
Left: 109.154+/-567.488 χ^2/NDF: 3.5/3

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -184.086+/-370.036 χ^2/NDF:15.7/17

Out: -232.335+/-395.237 χ^2/NDF:18.2/19

All: -206.623+/-270.125 χ^2/NDF: 33.9/37



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 959.603+/-0.545 χ^2/NDF:82742.9/1

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 1095.052+/-0.594 χ^2/NDF:7688.2/1

Left: 1021.501+/-0.401 χ^2/NDF: 118704.7/3

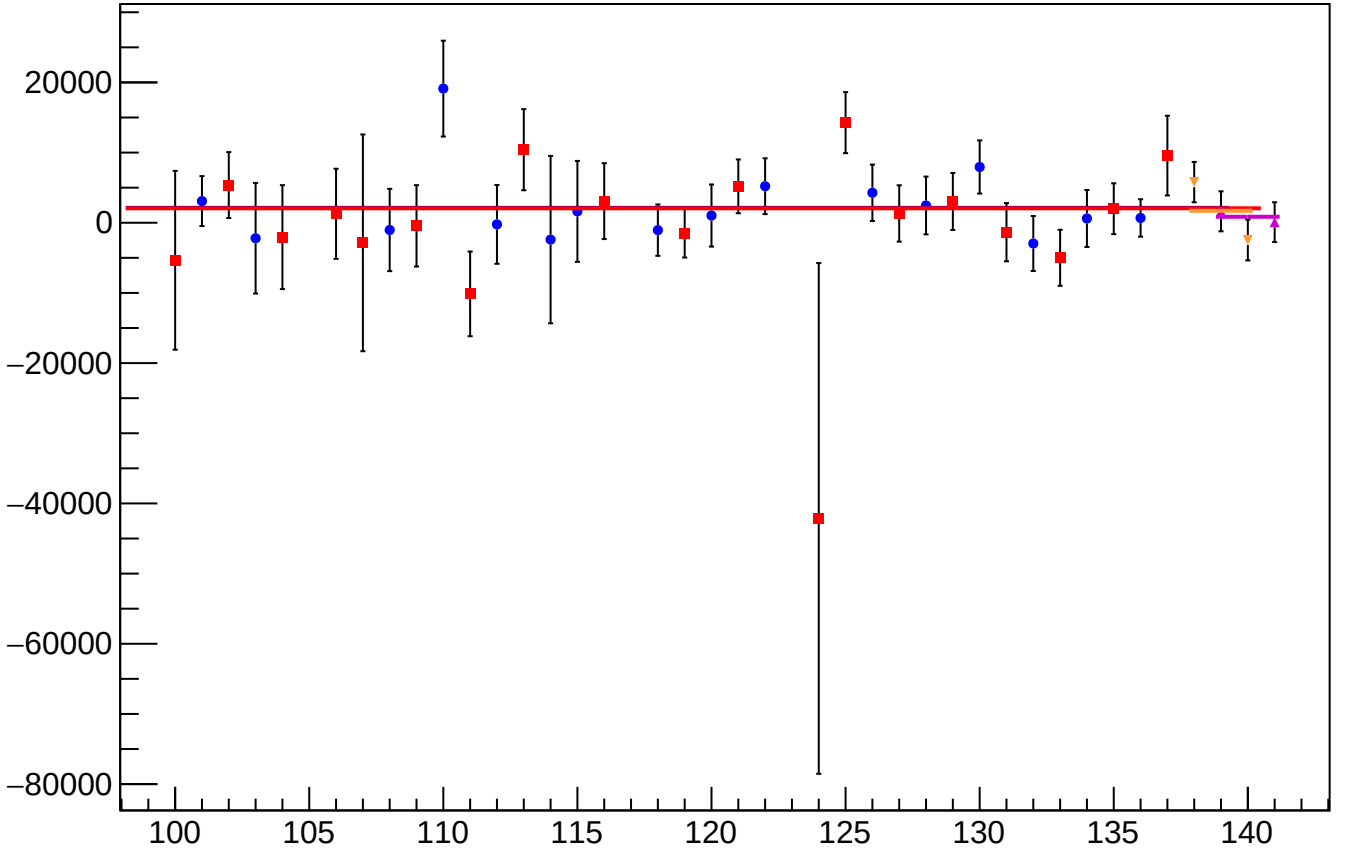
Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 1049.733+/-0.262 χ^2/NDF:1554647.5/17

Out: 1080.311+/-0.279 χ^2/NDF:2684959.1/19

All: 1064.016+/-0.191 χ^2/NDF: 4245986.0/37

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1703.646+/-2042.654 χ^2/NDF:4.1/1

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 854.702+/-2010.360 χ^2/NDF:0.1/1

Left: 1272.410+/-1432.820 χ^2/NDF: 4.3/3

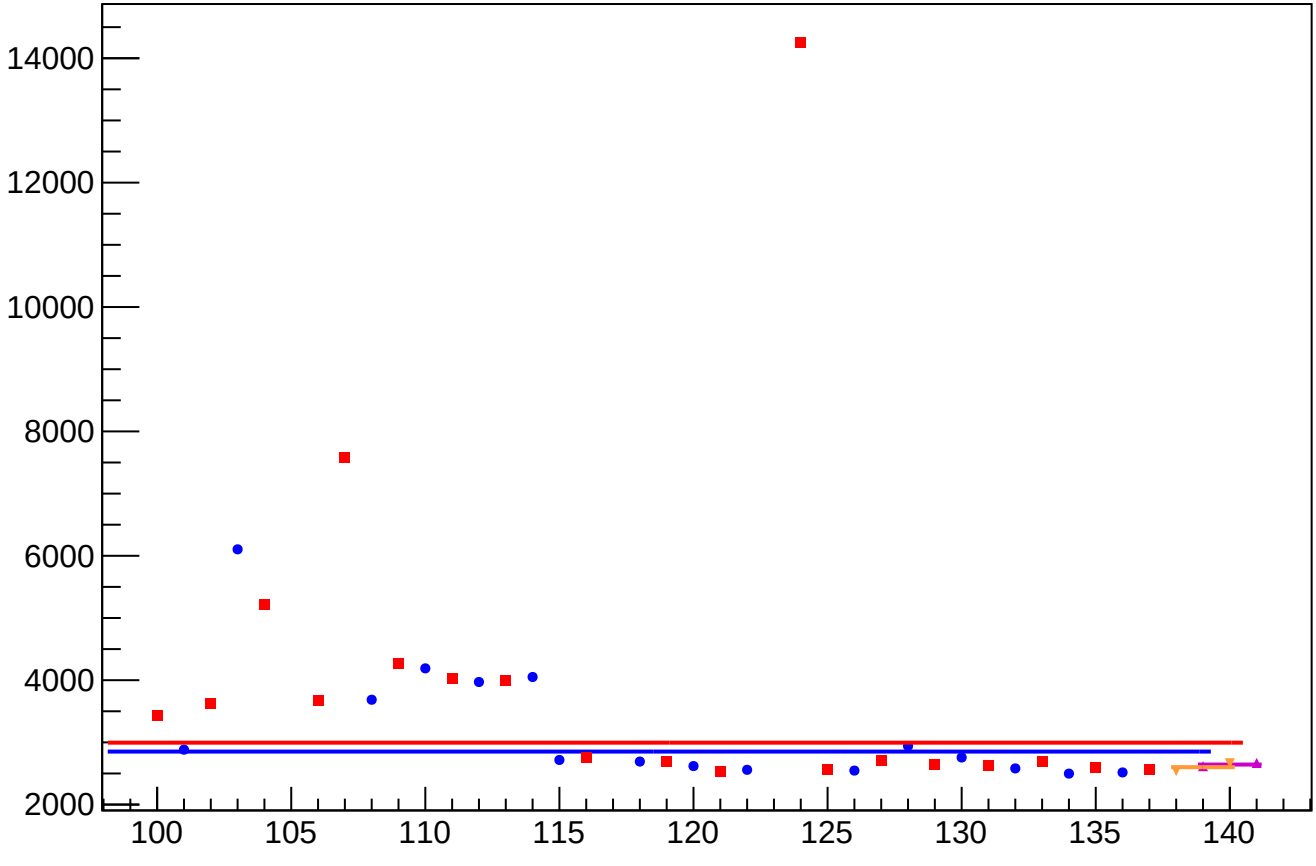
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1836.245+/-954.611 χ^2/NDF:13.8/17

Out: 1975.530+/-993.335 χ^2/NDF:28.4/20

All: 1903.120+/-688.295 χ^2/NDF: 42.3/38

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2601.401+/-1.444 χ^2/NDF:1836.6/1

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2643.379+/-1.422 χ^2/NDF:334.3/1

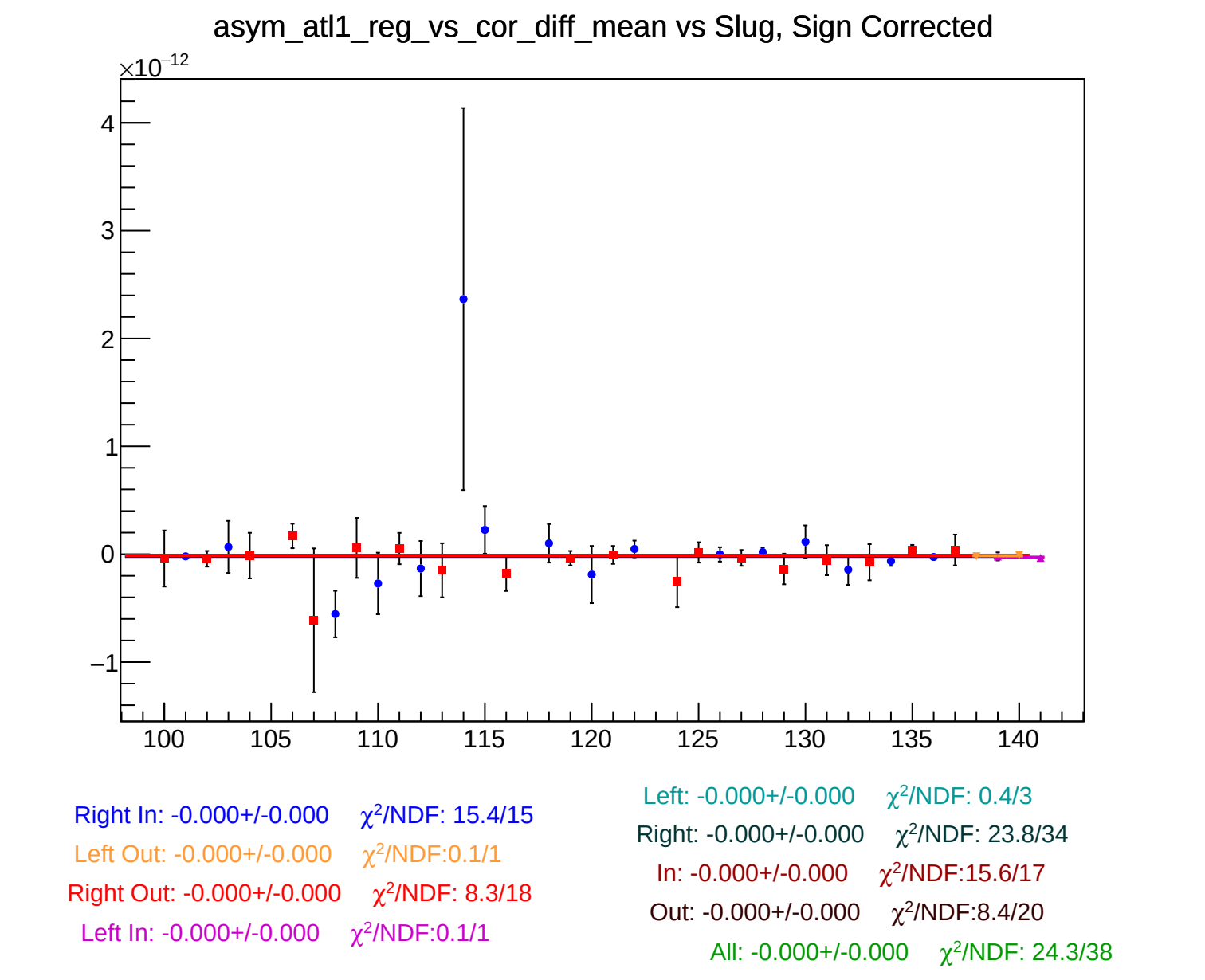
Left: 2622.724+/-1.013 χ^2/NDF: 2600.0/3

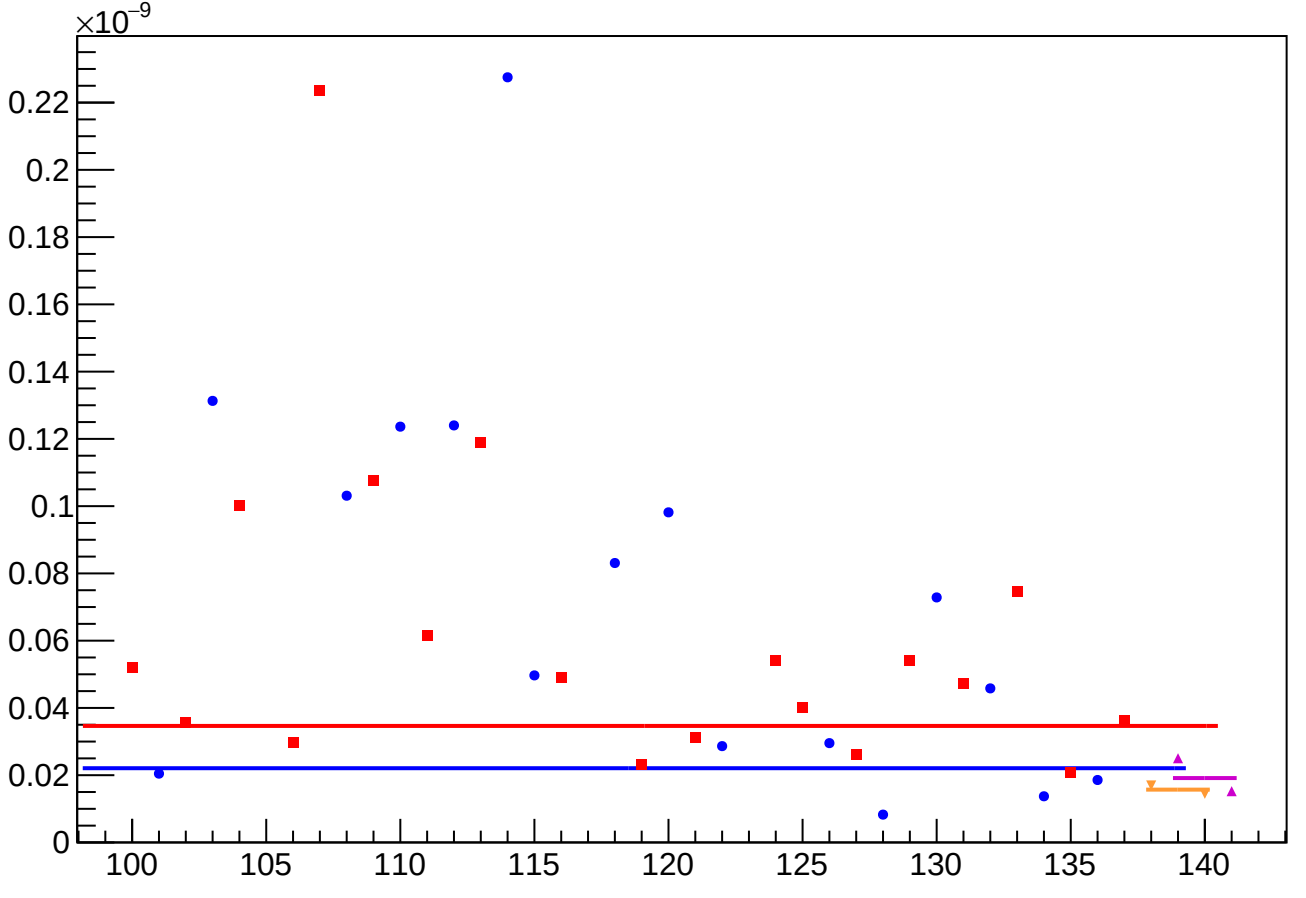
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2805.120+/-0.675 χ^2/NDF:665763.9/17

Out: 2902.321+/-0.702 χ^2/NDF:1037854.5/20

All: 2851.789+/-0.487 χ^2/NDF: 1713574.3/38


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:0.1/1
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:0.1/1
Left: -0.000+/-0.000 χ²/NDF: 0.4/3
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:15.6/17
Out: -0.000+/-0.000 χ²/NDF:8.4/20
All: -0.000+/-0.000 χ²/NDF: 24.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8965.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:81547.5/1

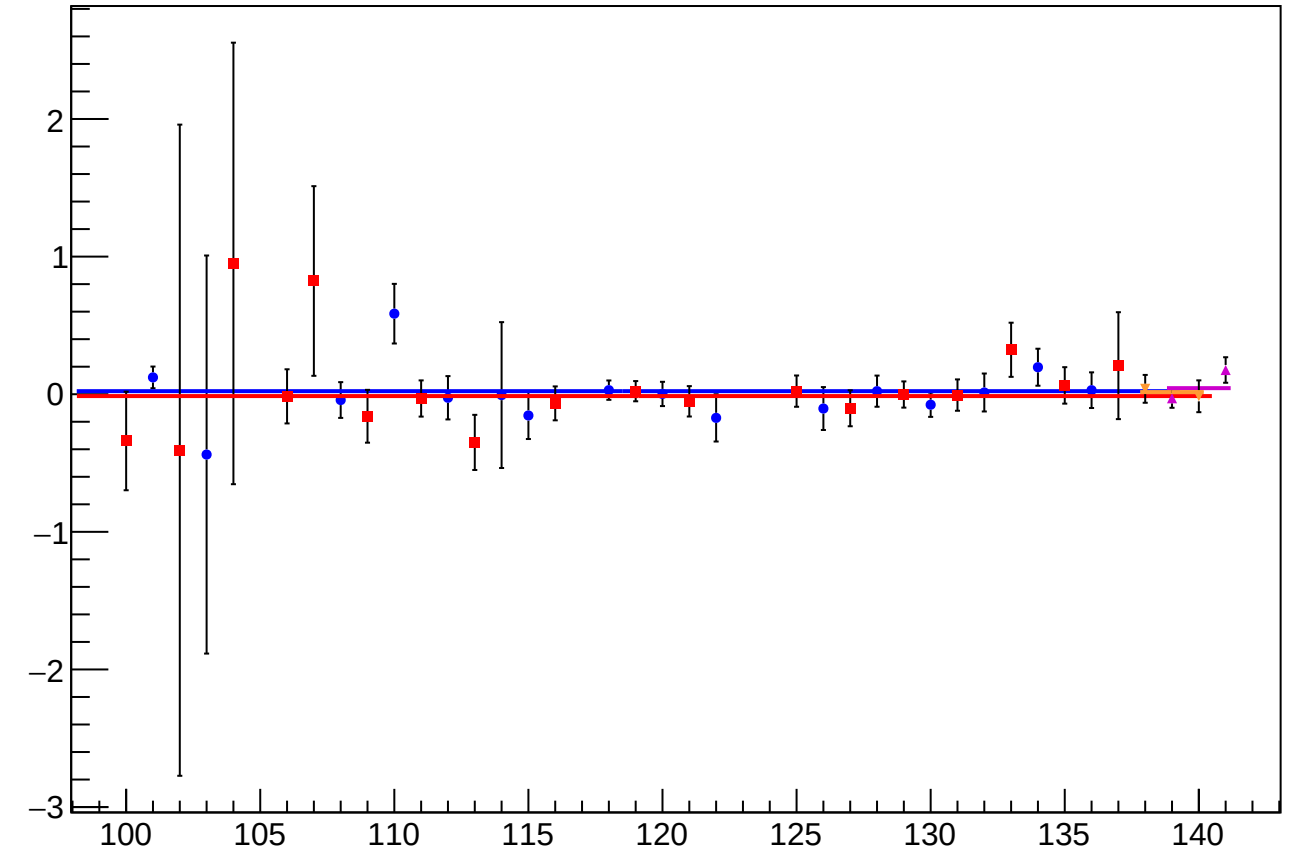
Left: 0.000+/-0.000 χ^2/NDF: 116531.2/3

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2445710.6/17

Out: 0.000+/-0.000 χ^2/NDF:2014403.8/20

All: 0.000+/-0.000 χ^2/NDF: 4472011.0/38



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.076 χ^2/NDF:0.1/1

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.044+/-0.055 χ^2/NDF:3.2/1

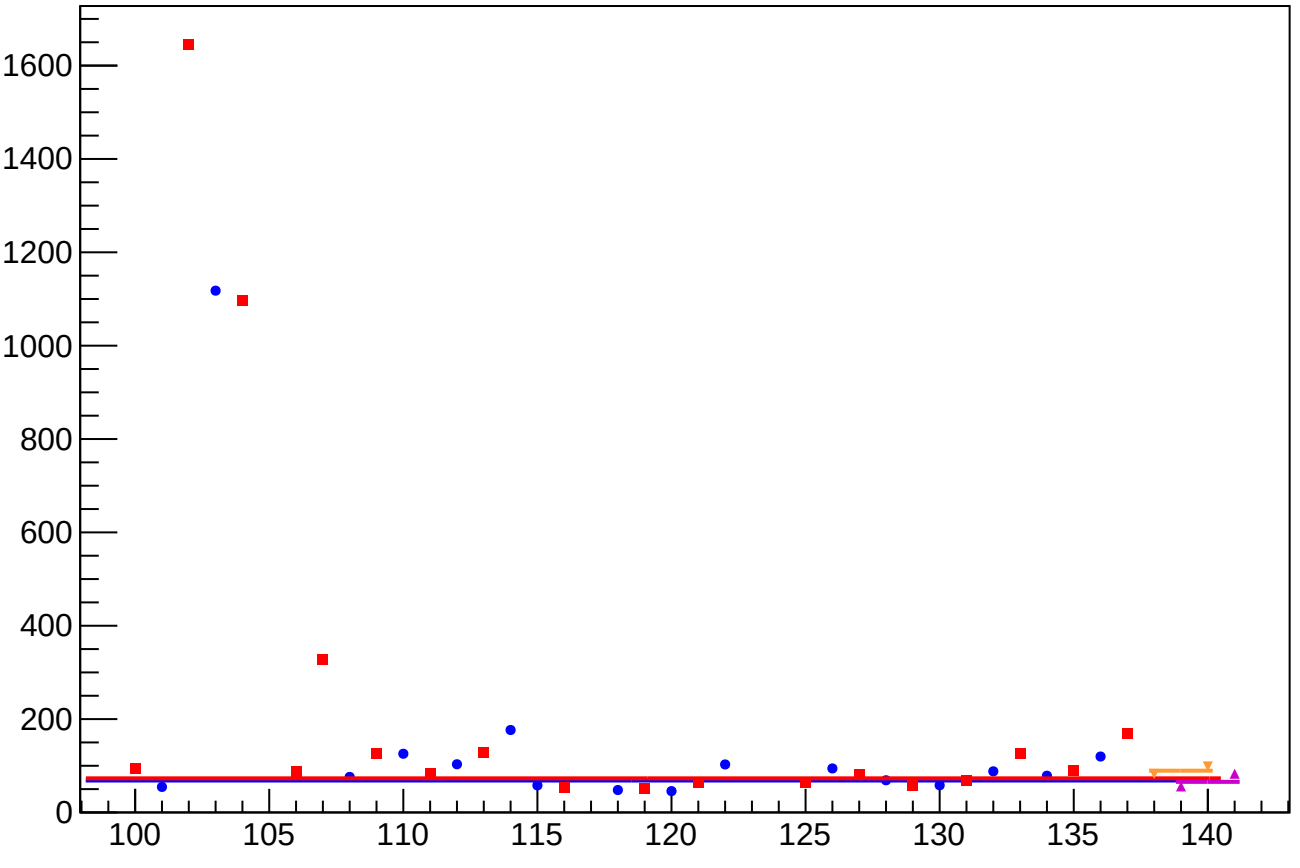
Left: 0.034+/-0.045 χ^2/NDF: 3.4/3

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.027+/-0.026 χ^2/NDF:18.1/17

Out: -0.009+/-0.031 χ^2/NDF:11.1/19

All: 0.012+/-0.020 χ^2/NDF: 29.9/37



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 89.451+/-0.054 χ^2/NDF:22104.1/1

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 65.542+/-0.039 χ^2/NDF:110421.2/1

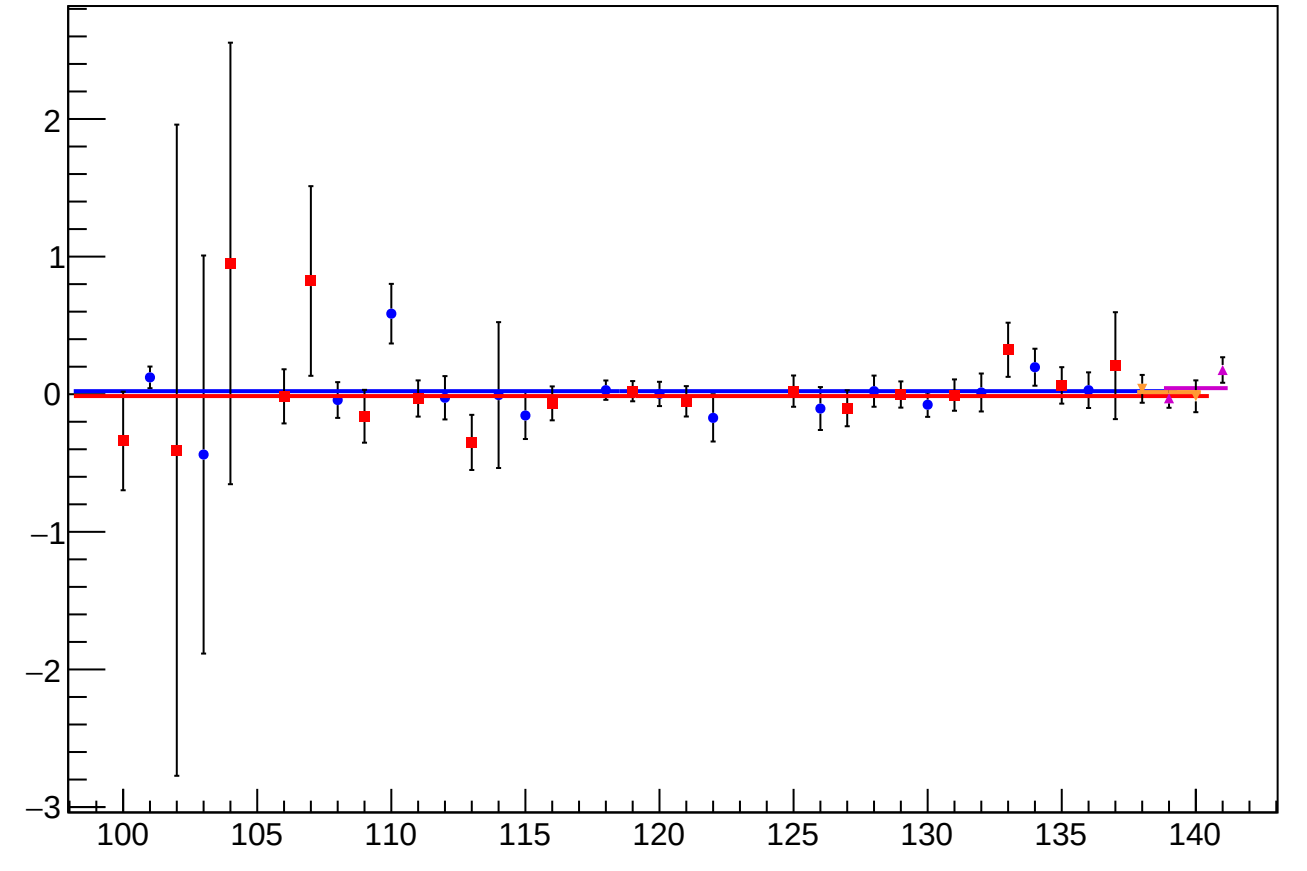
Left: 73.834+/-0.032 χ^2/NDF: 261343.7/3

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 67.771+/-0.019 χ^2/NDF:2392687.7/17

Out: 75.726+/-0.022 χ^2/NDF:3012807.2/19

All: 71.173+/-0.014 χ^2/NDF: 5482616.7/37



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.076 χ^2/NDF:0.1/1

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.044+/-0.055 χ^2/NDF:3.2/1

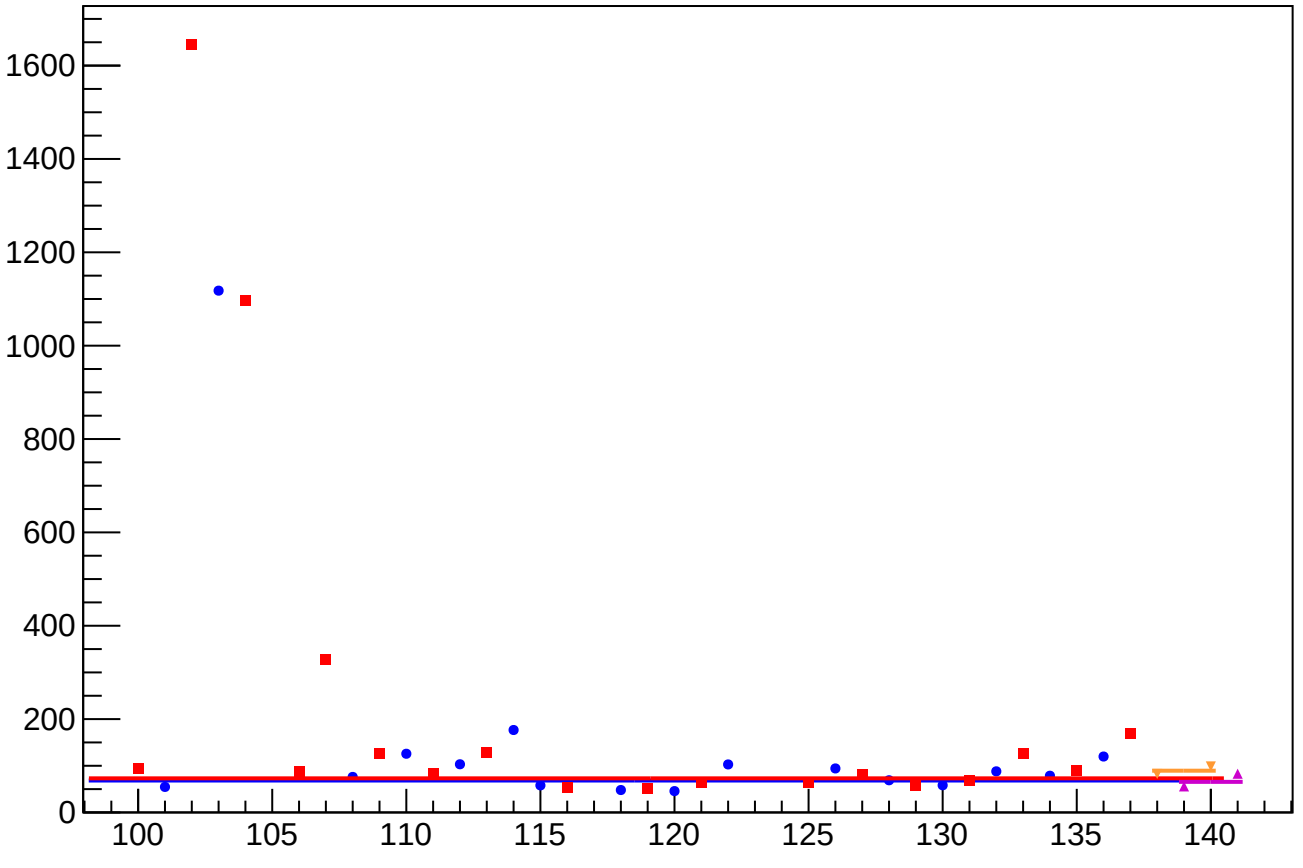
Left: 0.034+/-0.045 χ^2/NDF: 3.4/3

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.027+/-0.026 χ^2/NDF:18.1/17

Out: -0.009+/-0.031 χ^2/NDF:11.1/19

All: 0.012+/-0.020 χ^2/NDF: 29.9/37



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 89.451+/-0.054 χ^2/NDF:22104.1/1

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 65.542+/-0.039 χ^2/NDF:110421.2/1

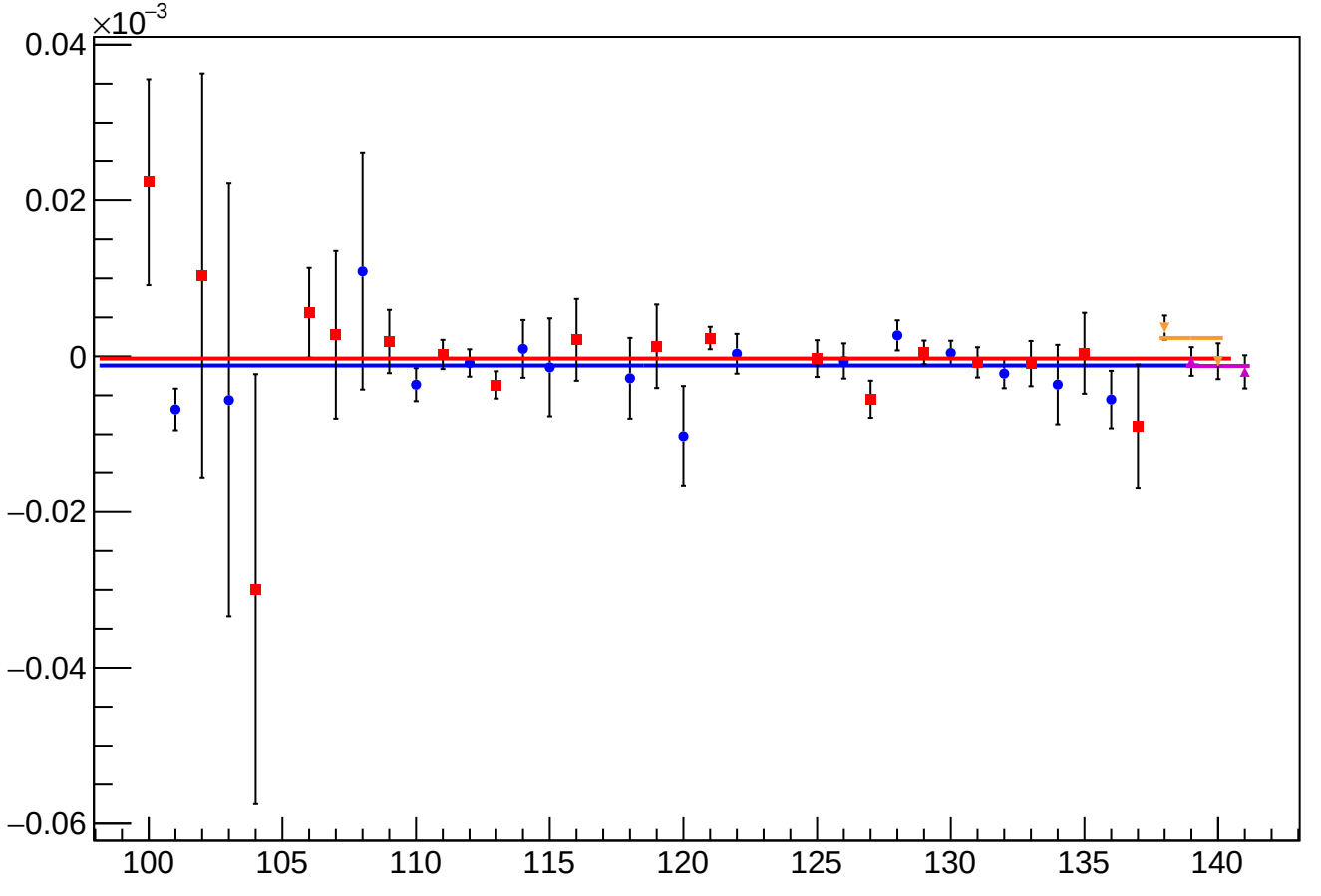
Left: 73.834+/-0.032 χ^2/NDF: 261343.7/3

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 67.771+/-0.019 χ^2/NDF:2392687.7/17

Out: 75.726+/-0.022 χ^2/NDF:3012807.2/19

All: 71.173+/-0.014 χ^2/NDF: 5482616.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

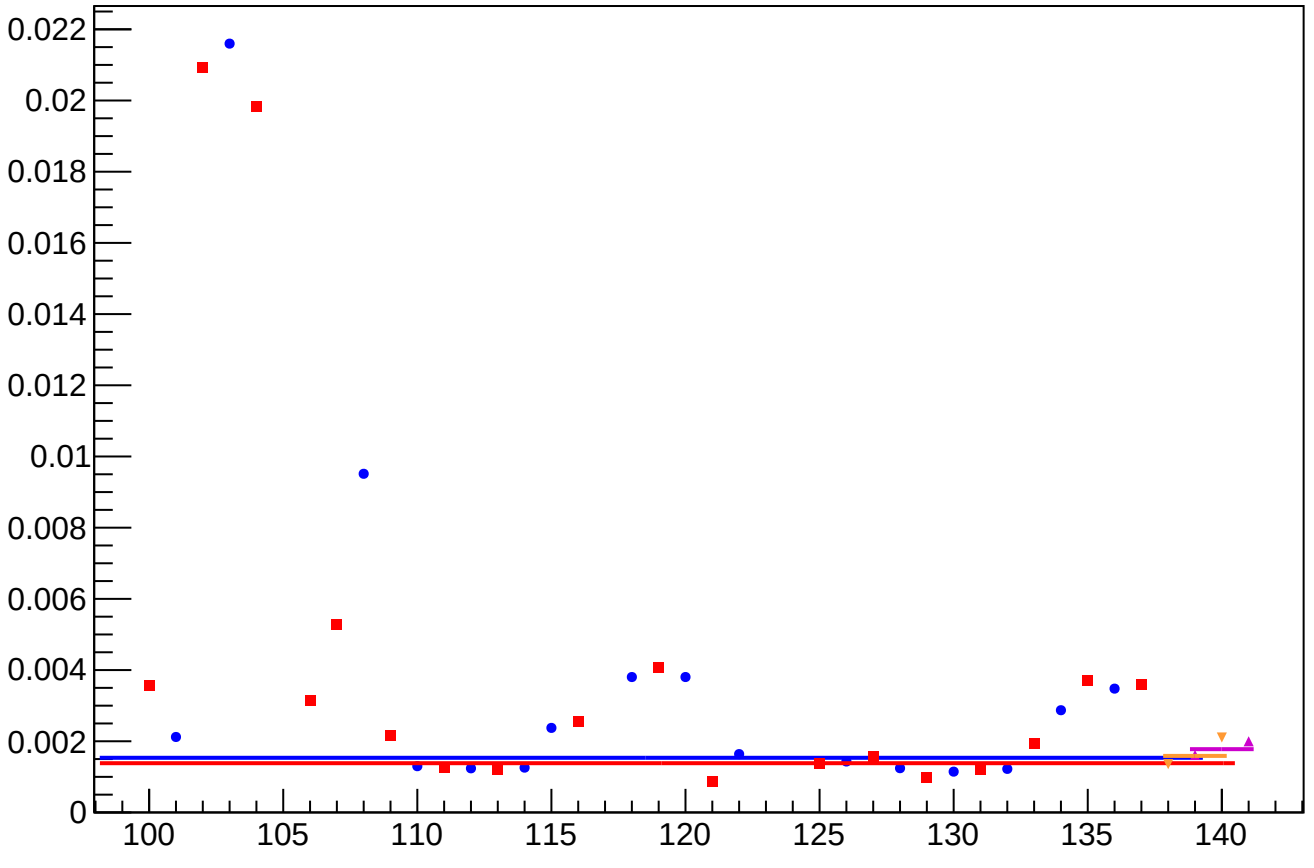
Left: 0.000+/-0.000 χ^2/NDF: 6.3/3

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:16.5/17

Out: 0.000+/-0.000 χ^2/NDF:25.4/19

All: -0.000+/-0.000 χ^2/NDF: 44.9/37



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:146397.4/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:37535.7/1

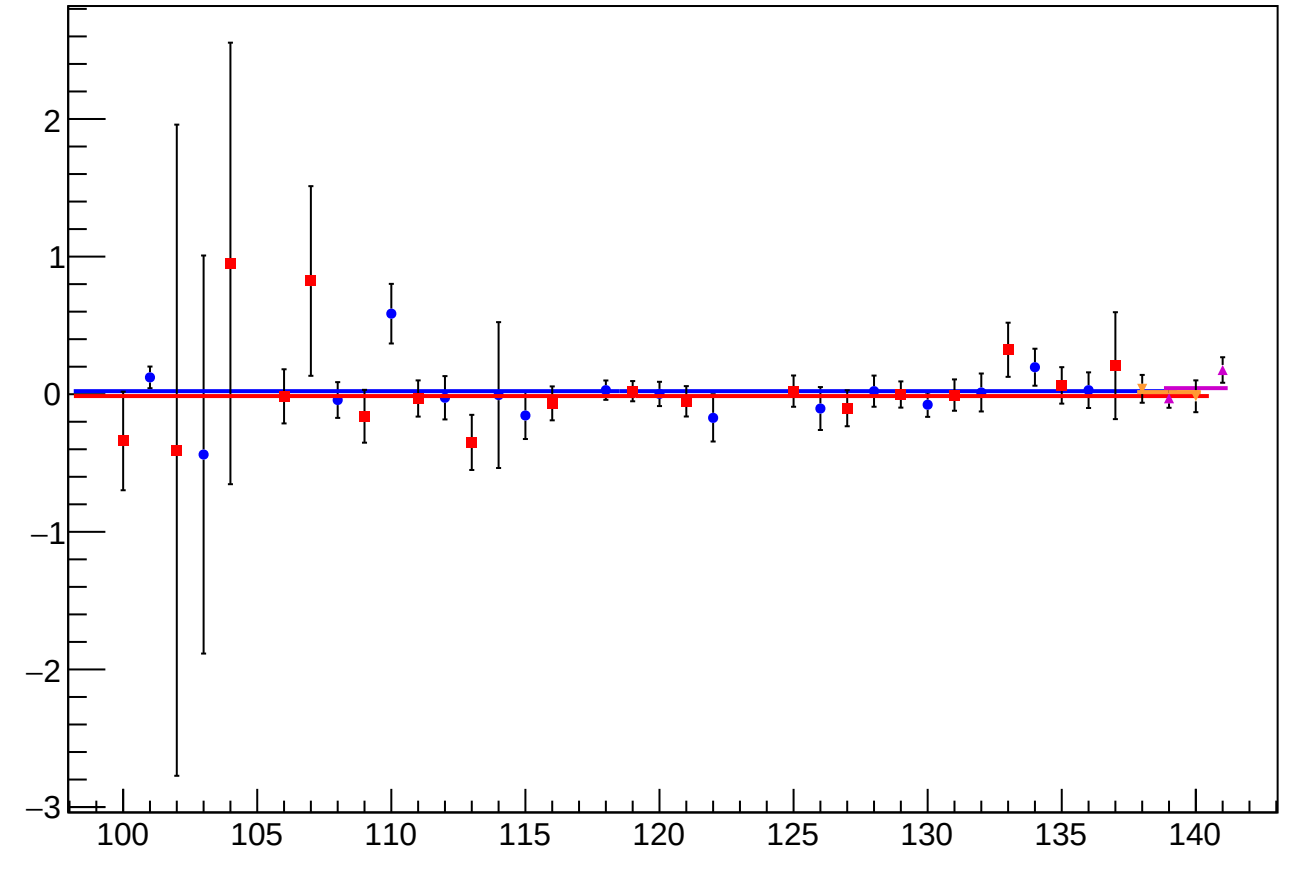
Left: 0.002+/-0.000 χ^2/NDF: 204035.0/3

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:3460950.8/17

Out: 0.001+/-0.000 χ^2/NDF:4456664.3/19

All: 0.001+/-0.000 χ^2/NDF: 7989802.2/37



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.076 χ^2/NDF:0.1/1

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.044+/-0.055 χ^2/NDF:3.2/1

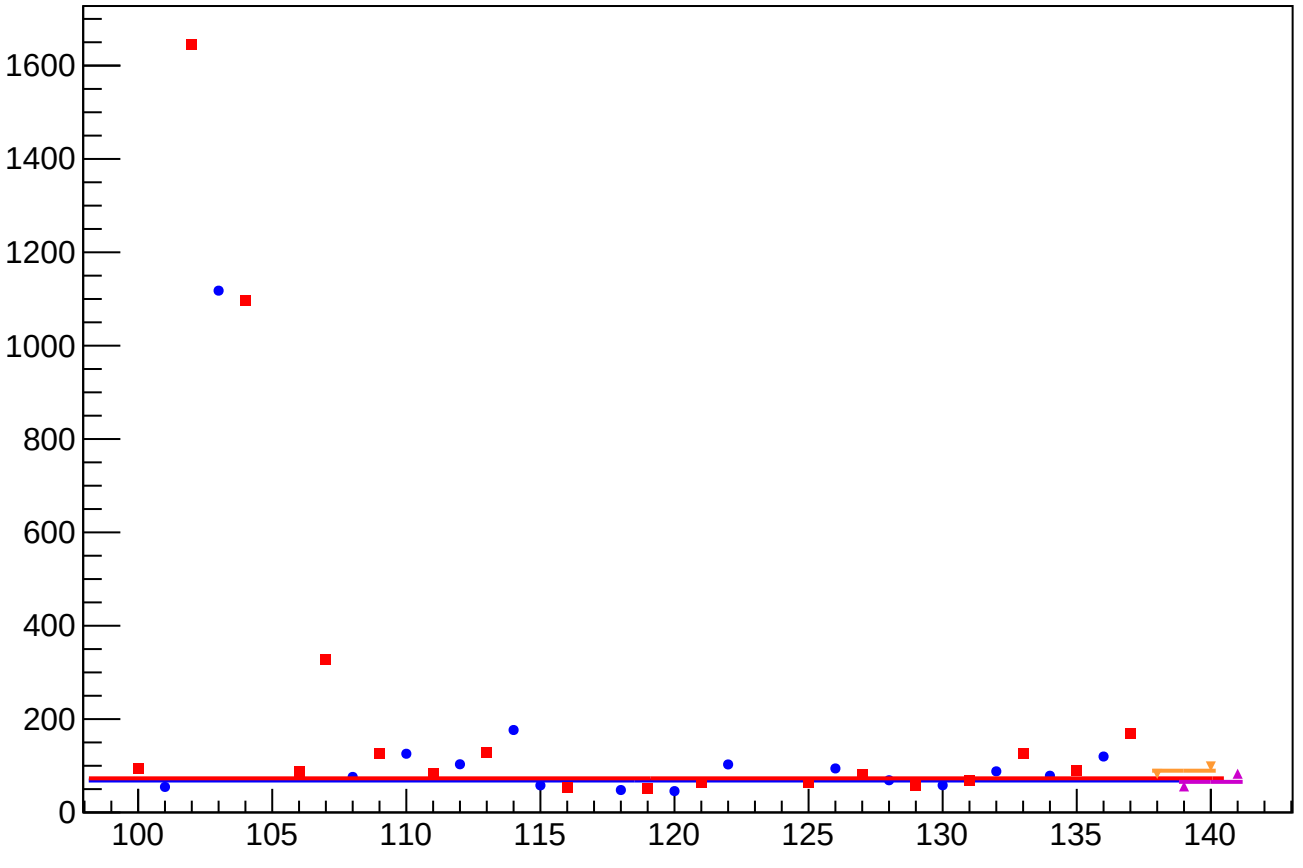
Left: 0.034+/-0.045 χ^2/NDF: 3.4/3

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.027+/-0.026 χ^2/NDF:18.1/17

Out: -0.009+/-0.031 χ^2/NDF:11.1/19

All: 0.012+/-0.020 χ^2/NDF: 29.9/37



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 89.451+/-0.054 χ^2/NDF:22101.4/1

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 65.542+/-0.039 χ^2/NDF:110417.5/1

Left: 73.834+/-0.032 χ^2/NDF: 261337.4/3

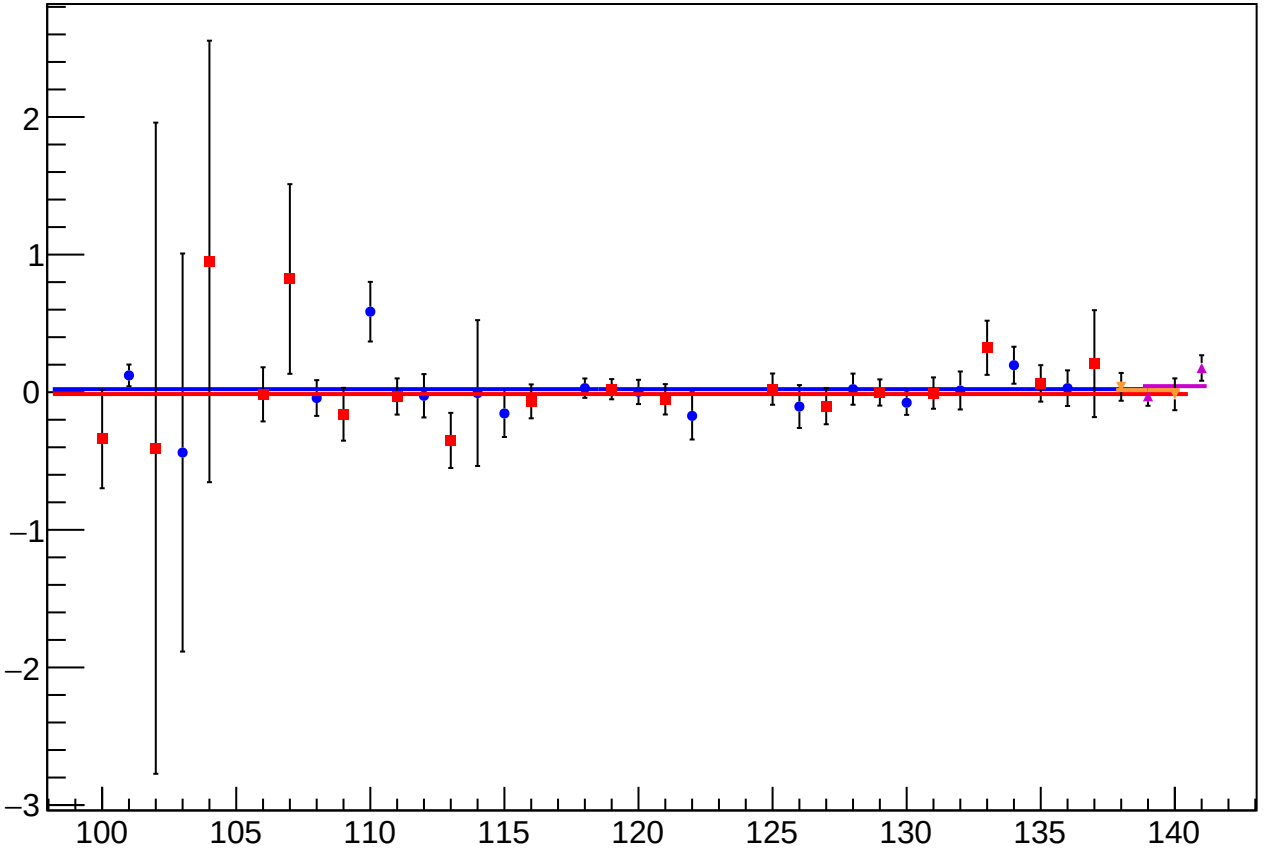
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 67.770+/-0.019 χ^2/NDF:2392766.7/17

Out: 75.725+/-0.022 χ^2/NDF:3012822.7/19

All: 71.172+/-0.014 χ^2/NDF: 5482717.4/37

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.076 χ^2/NDF:0.1/1

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.044+/-0.055 χ^2/NDF:3.2/1

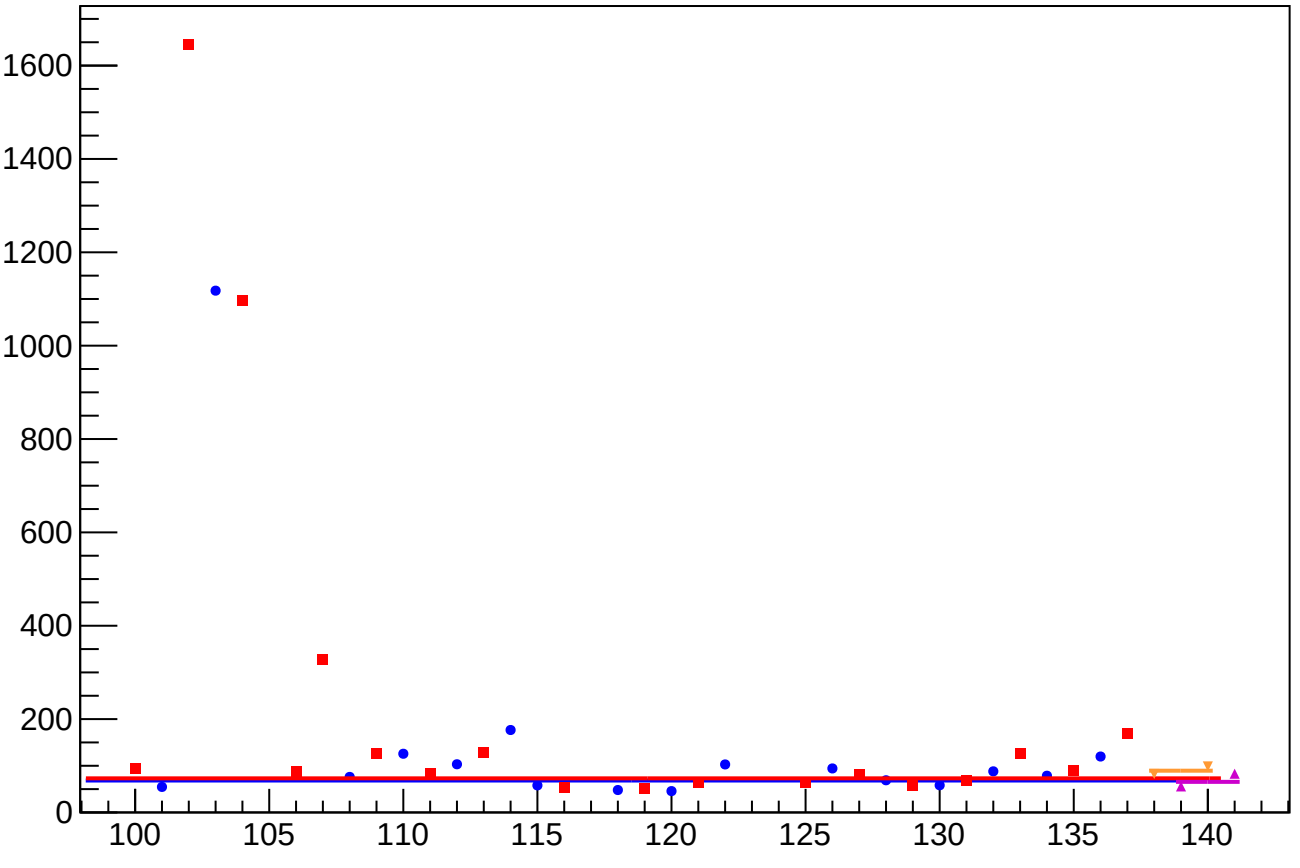
Left: 0.034+/-0.045 χ^2/NDF: 3.4/3

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.027+/-0.026 χ^2/NDF:18.1/17

Out: -0.009+/-0.031 χ^2/NDF:11.1/19

All: 0.012+/-0.020 χ^2/NDF: 29.9/37



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 89.451+/-0.054 χ^2/NDF:22101.4/1

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 65.542+/-0.039 χ^2/NDF:110417.5/1

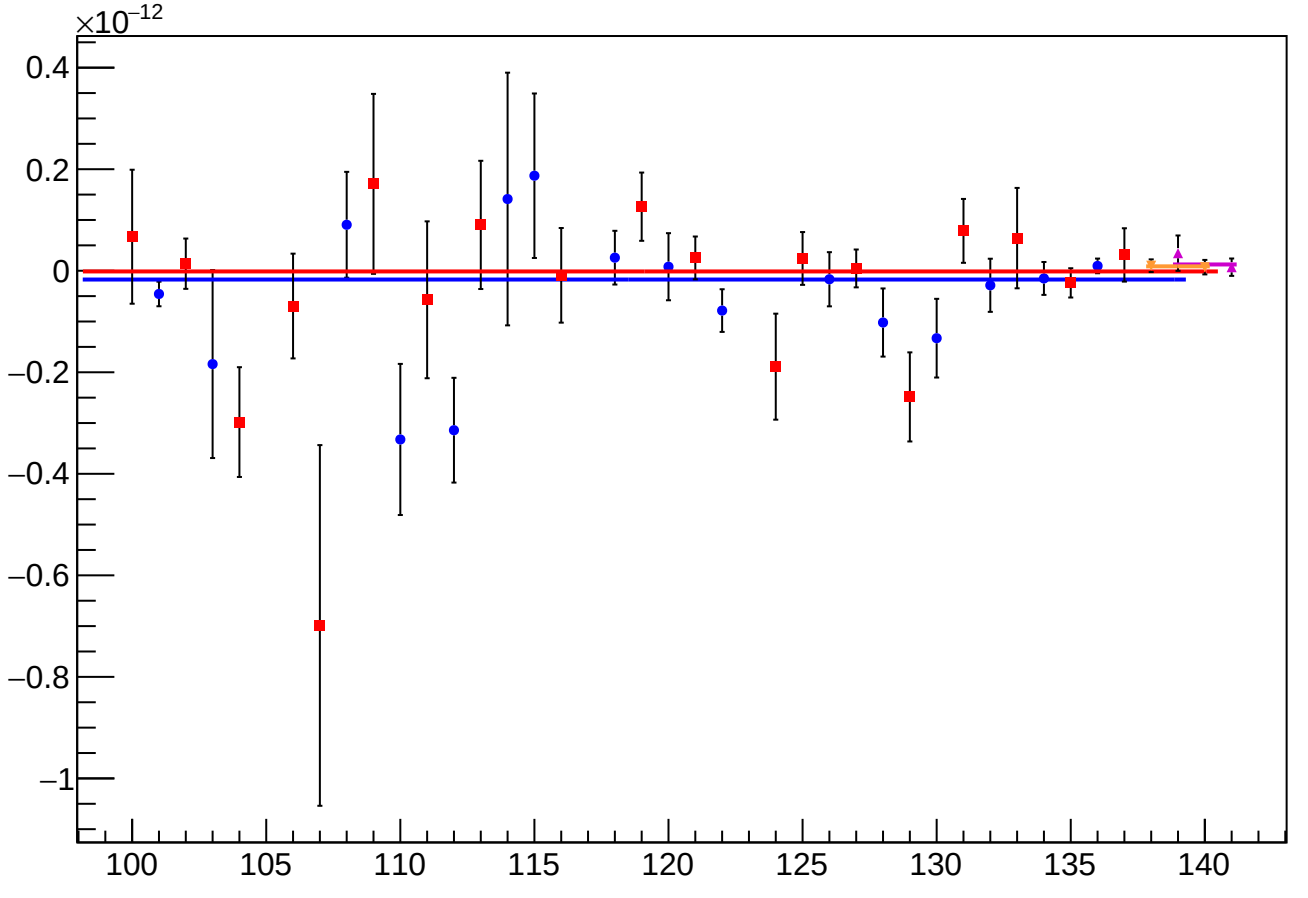
Left: 73.834+/-0.032 χ^2/NDF: 261337.4/3

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 67.770+/-0.019 χ^2/NDF:2392766.7/17

Out: 75.725+/-0.022 χ^2/NDF:3012822.7/19

All: 71.172+/-0.014 χ^2/NDF: 5482717.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

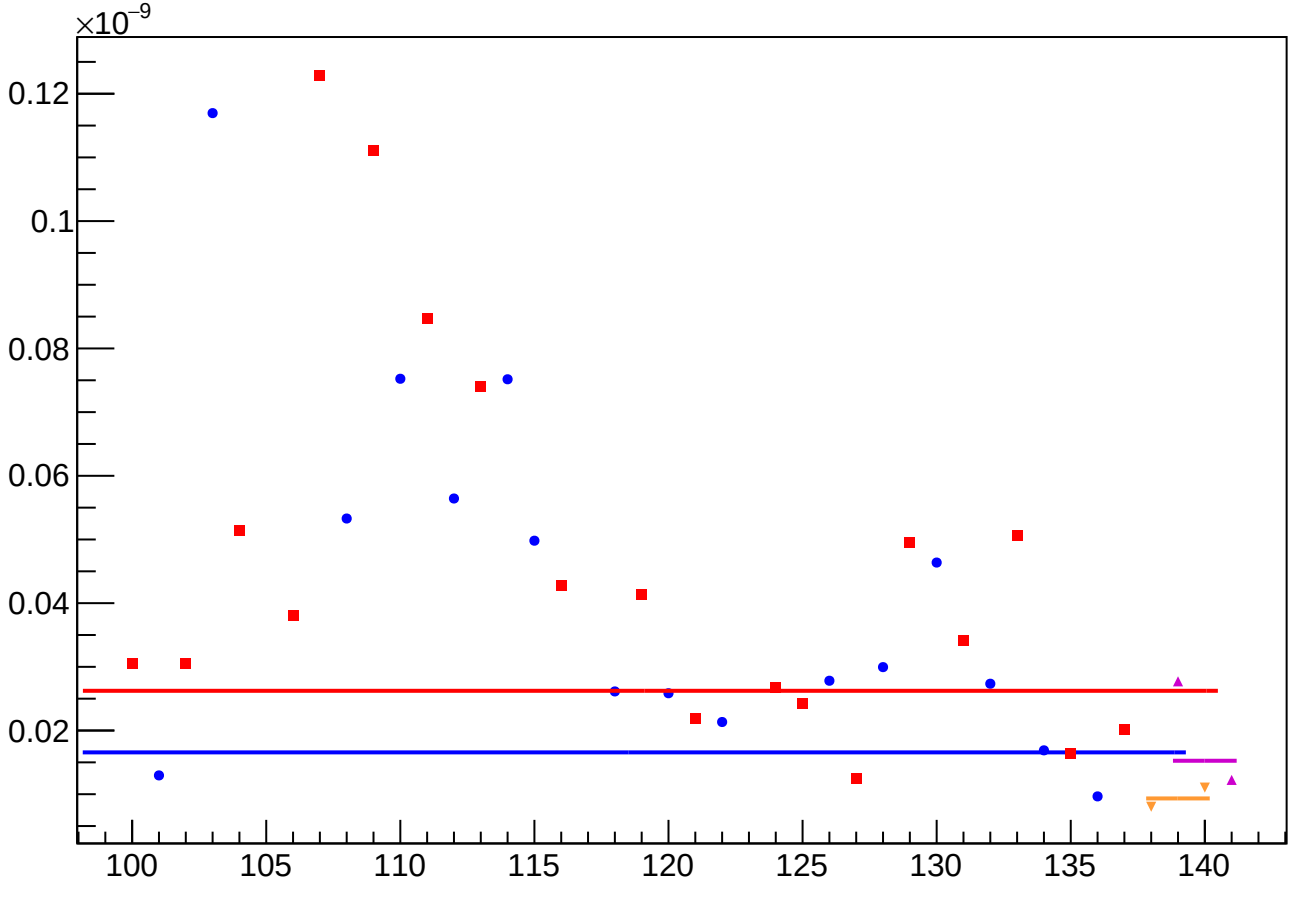
Left: 0.000+/-0.000 χ^2/NDF: 0.6/3

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:31.4/17

Out: 0.000+/-0.000 χ^2/NDF:32.6/20

All: -0.000+/-0.000 χ^2/NDF: 65.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:50094.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:317940.3/1

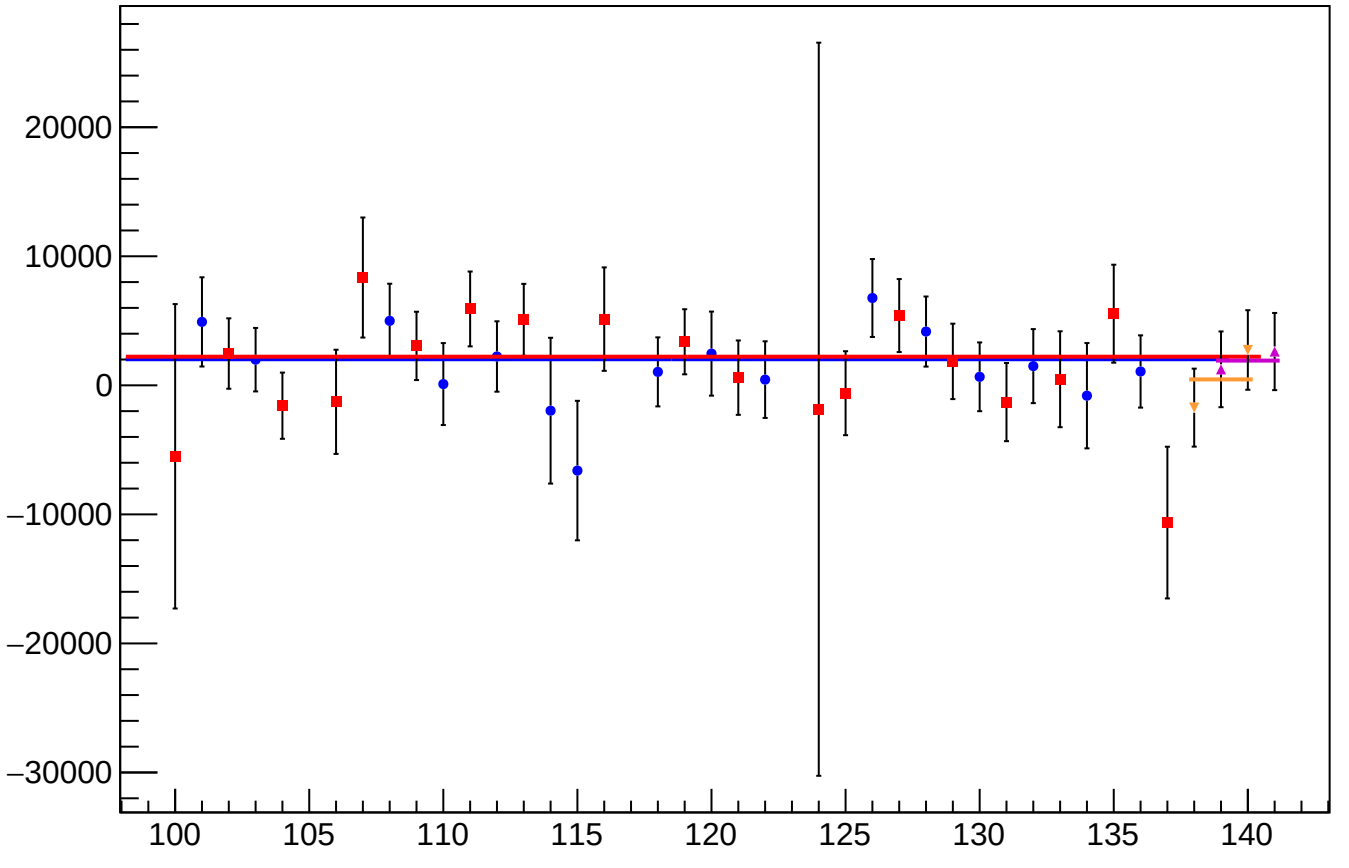
Left: 0.000+/-0.000 χ^2/NDF: 583924.3/3

Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3151676.0/17

Out: 0.000+/-0.000 χ^2/NDF:4354648.8/20

All: 0.000+/-0.000 χ^2/NDF: 7550885.5/38



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 459.271+/-2157.856 χ^2/NDF:1.1/1

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 1916.292+/-2094.636 χ^2/NDF:0.1/1

Left: 1209.437+/-1502.985 χ^2/NDF: 1.4/3

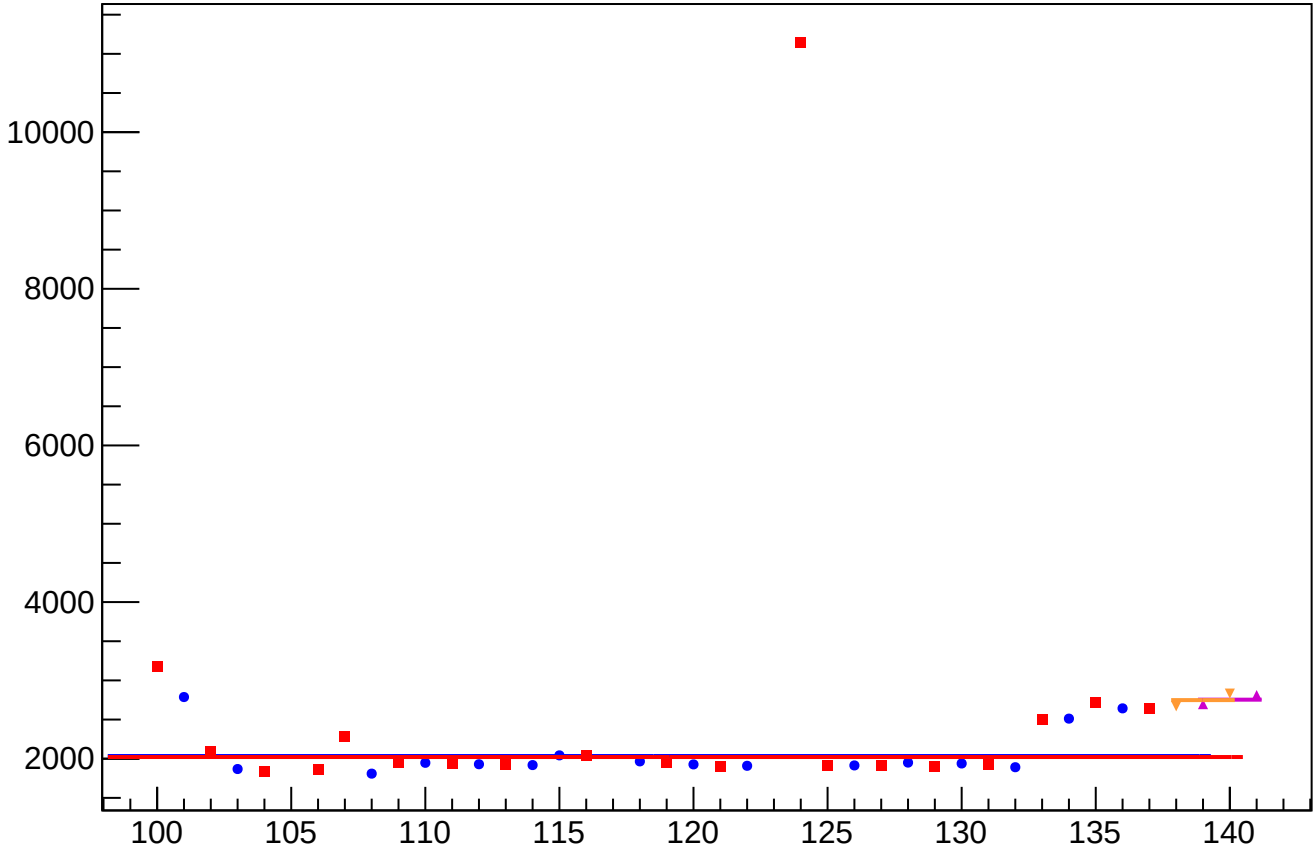
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2010.187+/-718.043 χ^2/NDF:9.7/17

Out: 2025.006+/-713.597 χ^2/NDF:19.8/20

All: 2017.643+/-506.154 χ^2/NDF: 29.5/38

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2748.371+/-1.526 χ^2/NDF:2832.8/1

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2753.847+/-1.481 χ^2/NDF:1540.5/1

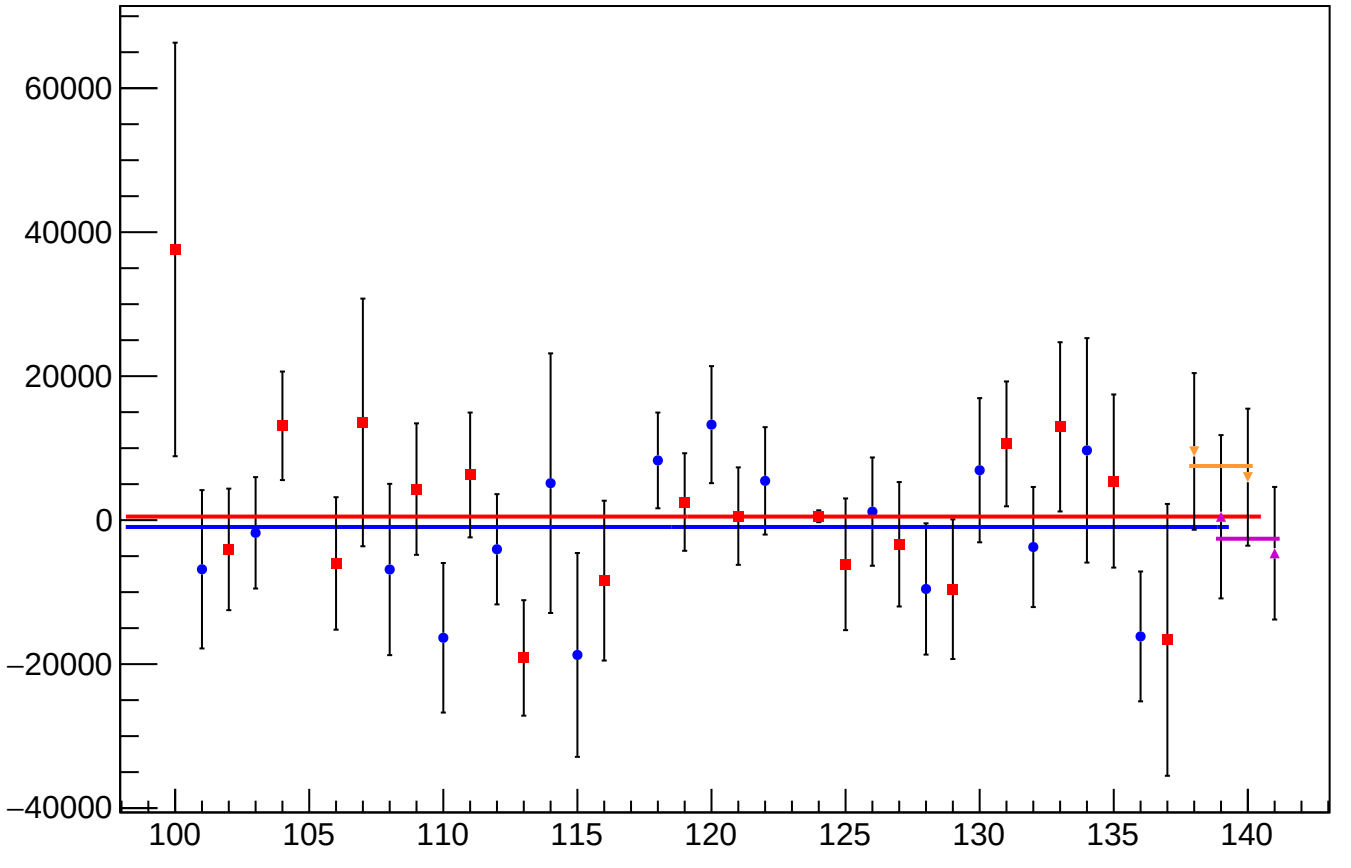
Left: 2751.190+/-1.063 χ^2/NDF: 4379.9/3

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2118.731+/-0.508 χ^2/NDF:472859.1/17

Out: 2101.031+/-0.505 χ^2/NDF:595245.8/20

All: 2109.826+/-0.358 χ^2/NDF: 1068716.3/38



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: 7519.864+/-7162.451 χ^2/NDF:0.1/1

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: -2582.135+/-7148.905 χ^2/NDF:0.1/1

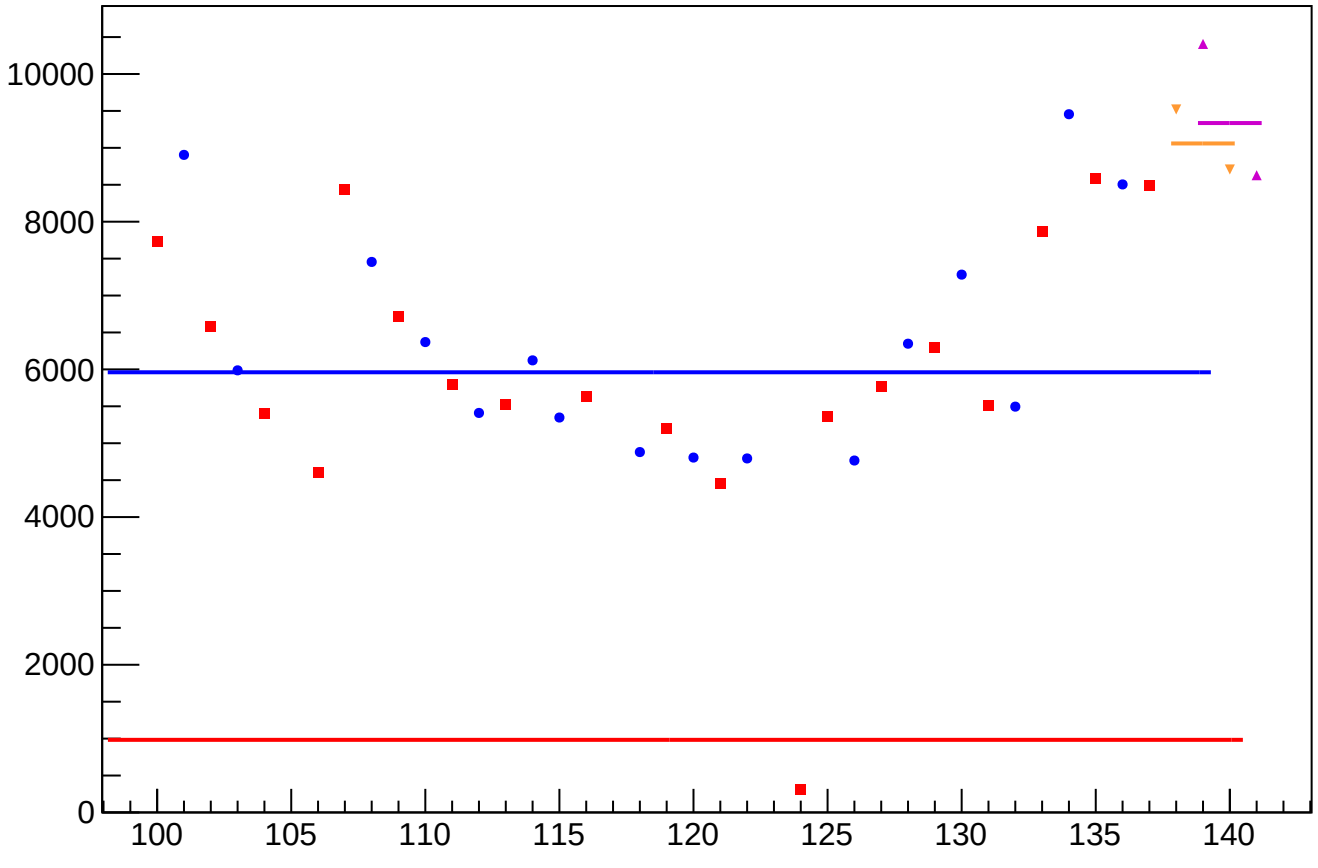
Left: 2459.302+/-5059.822 χ^2/NDF: 1.2/3

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -1100.983+/-2170.931 χ^2/NDF:15.5/17

Out: 577.228+/-763.904 χ^2/NDF:19.5/20

All: 392.328+/-720.594 χ^2/NDF: 35.5/38



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 9059.421+/-5.065 χ^2/NDF:6327.0/1

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9335.873+/-5.055 χ^2/NDF:29626.2/1

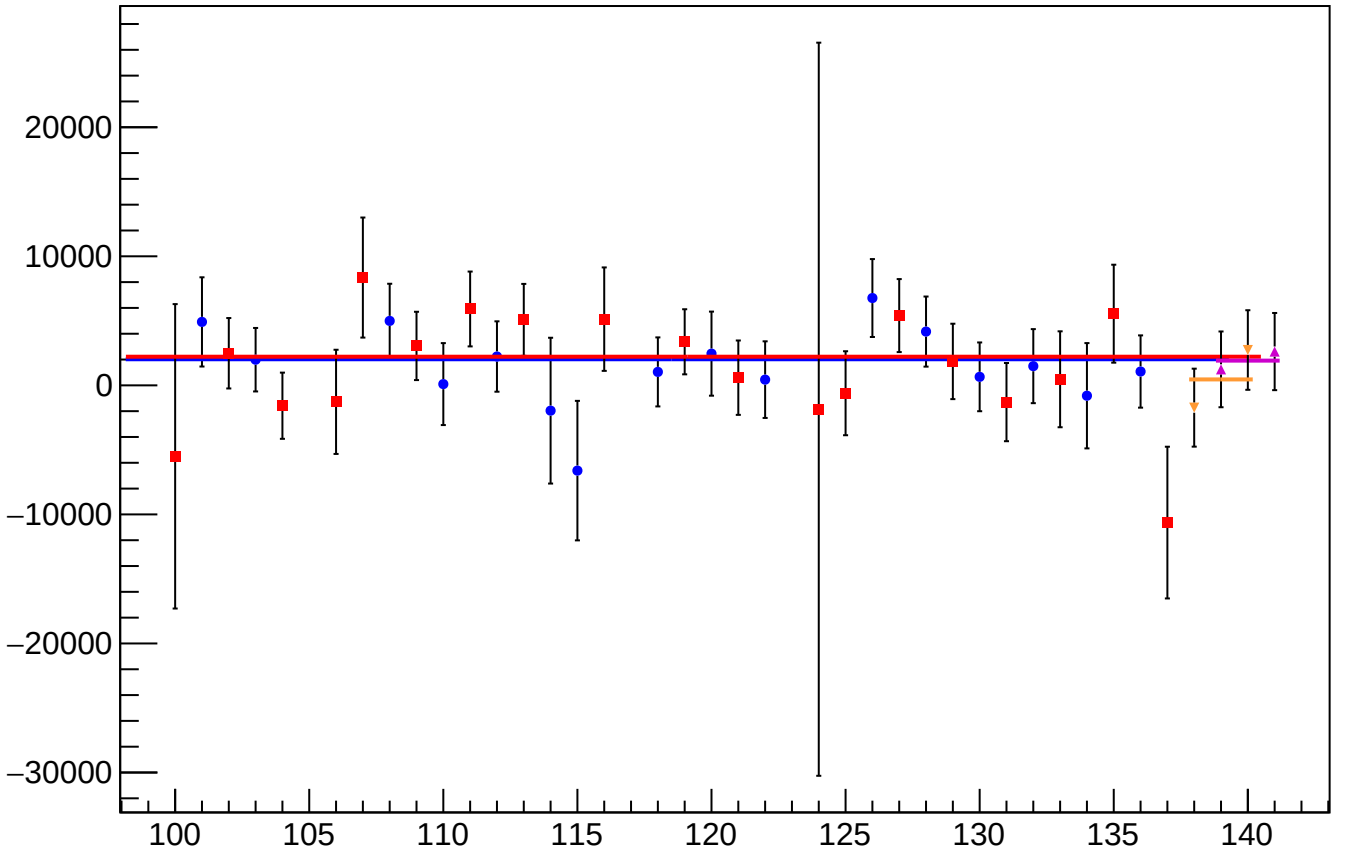
Left: 9197.909+/-3.578 χ^2/NDF: 37445.8/3

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6272.042+/-1.535 χ^2/NDF:1123561.7/17

Out: 1075.183+/-0.540 χ^2/NDF:13936882.3/20

All: 1647.755+/-0.510 χ^2/NDF: 25258648.2/3



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 459.535+/-2157.856 χ^2/NDF:1.1/1

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 1916.097+/-2094.636 χ^2/NDF:0.1/1

Left: 1209.466+/-1502.985 χ^2/NDF: 1.4/3

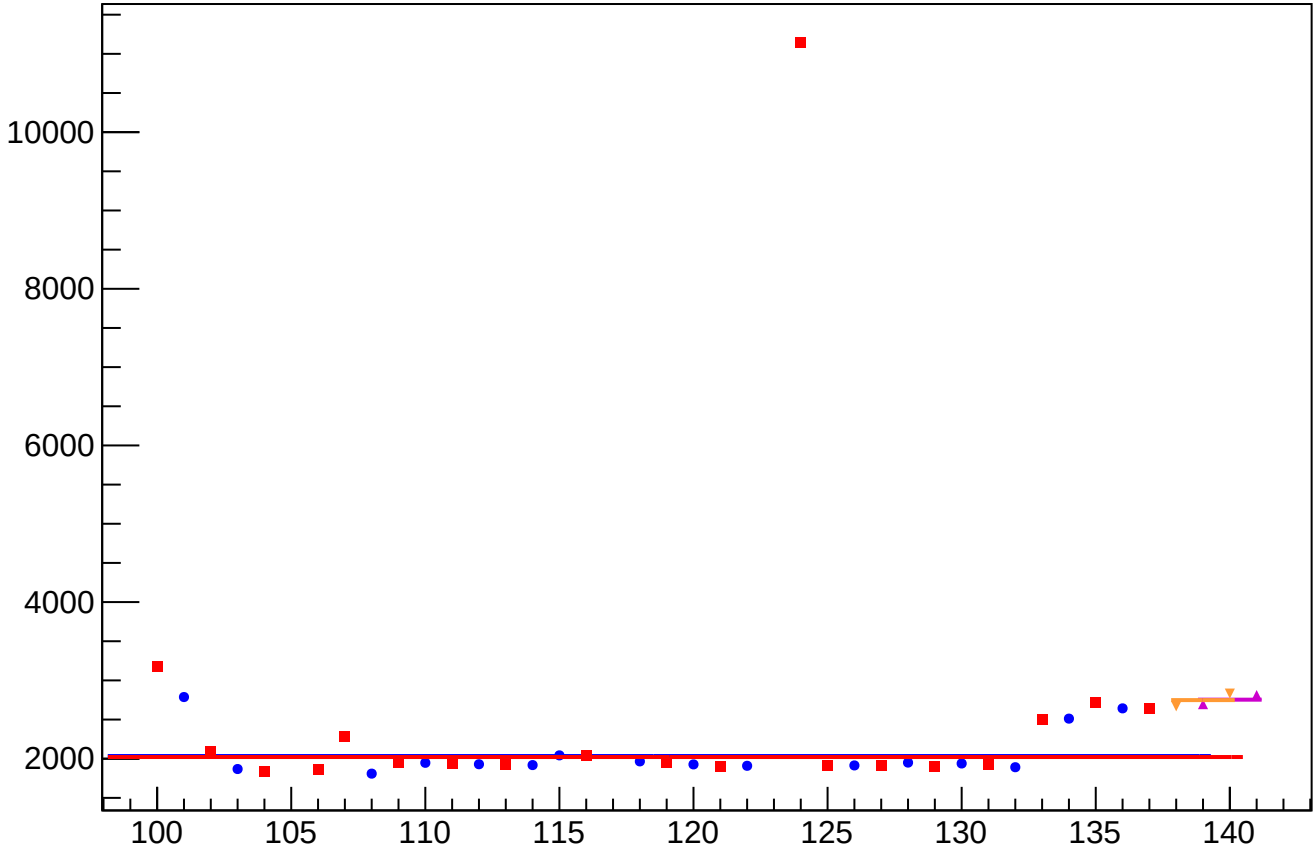
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2010.275+/-718.043 χ^2/NDF:9.7/17

Out: 2026.669+/-713.603 χ^2/NDF:19.8/20

All: 2018.523+/-506.156 χ^2/NDF: 29.5/38

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2748.371+/-1.526 χ^2/NDF:2832.8/1

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2753.847+/-1.481 χ^2/NDF:1540.5/1

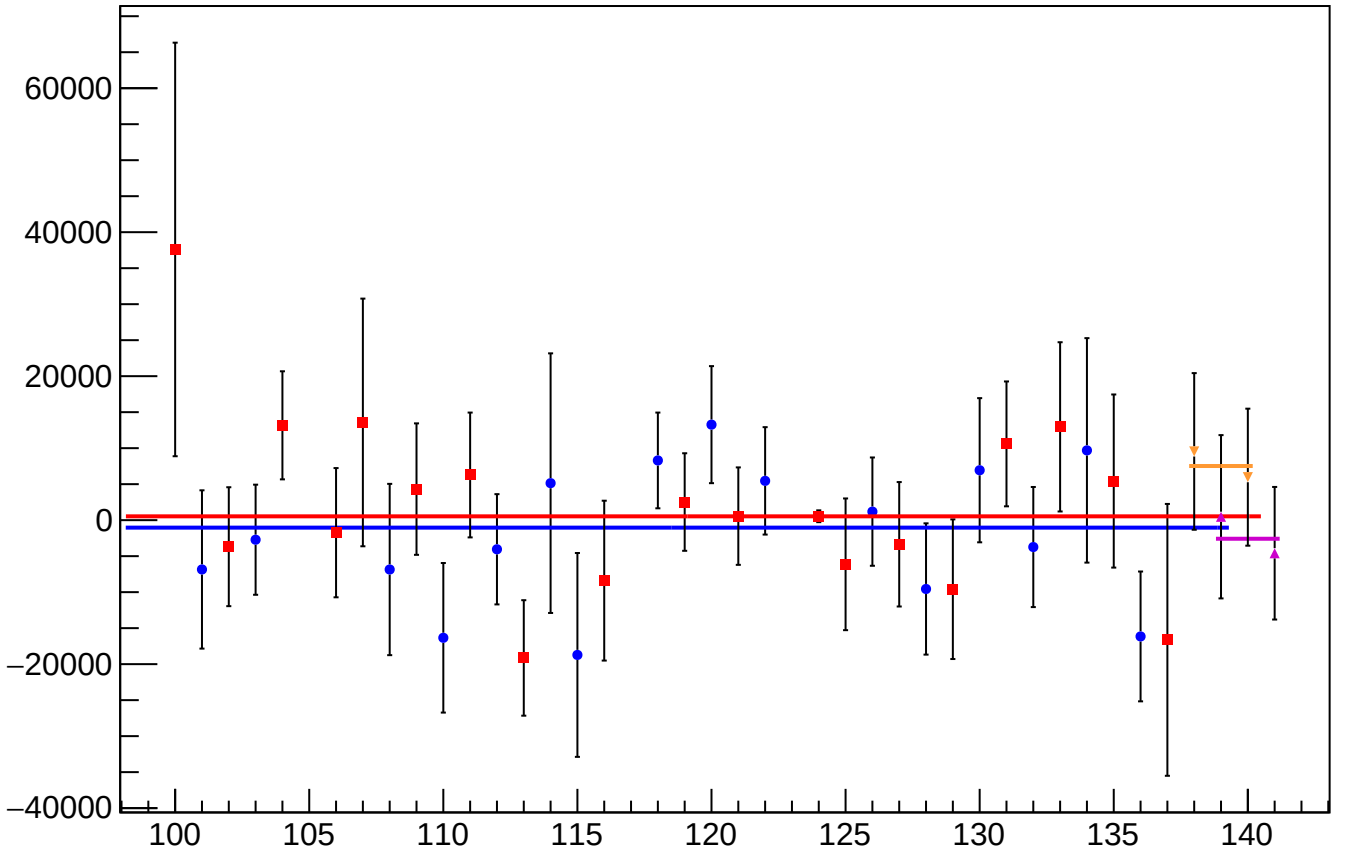
Left: 2751.190+/-1.063 χ^2/NDF: 4379.9/3

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2118.731+/-0.508 χ^2/NDF:472859.0/17

Out: 2101.052+/-0.505 χ^2/NDF:595245.1/20

All: 2109.836+/-0.358 χ^2/NDF: 1068714.1/38



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: 7520.323+/-7162.449 χ^2/NDF:0.1/1

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -2582.170+/-7148.895 χ^2/NDF:0.1/1

Left: 2459.509+/-5059.817 χ^2/NDF: 1.2/3

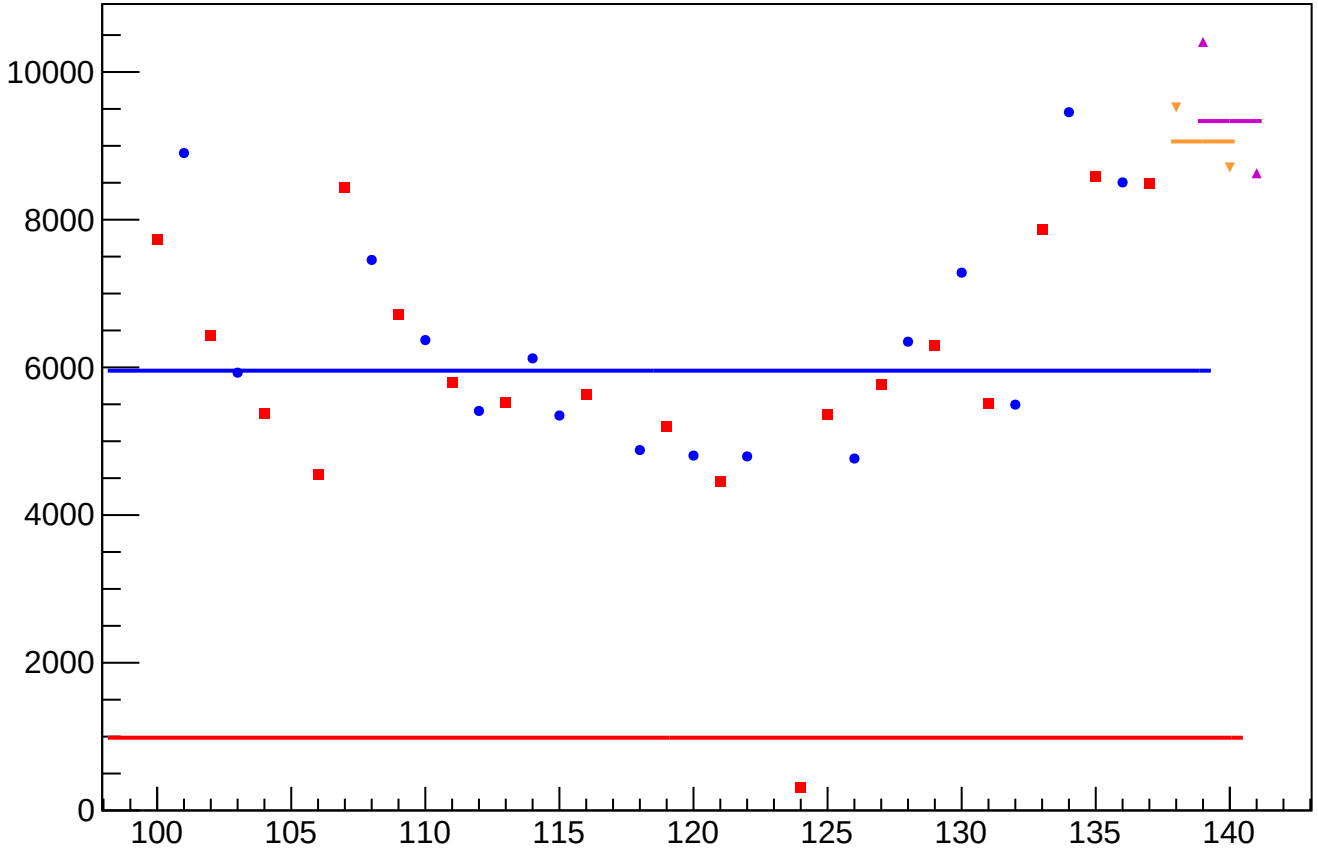
Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -1180.081+/-2168.897 χ^2/NDF:15.5/17

Out: 610.100+/-763.571 χ^2/NDF:19.0/20

All: 412.688+/-720.240 χ^2/NDF: 35.2/38

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 9059.417+/-5.065 χ^2/NDF:6327.1/1

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9335.859+/-5.055 χ^2/NDF:29626.4/1

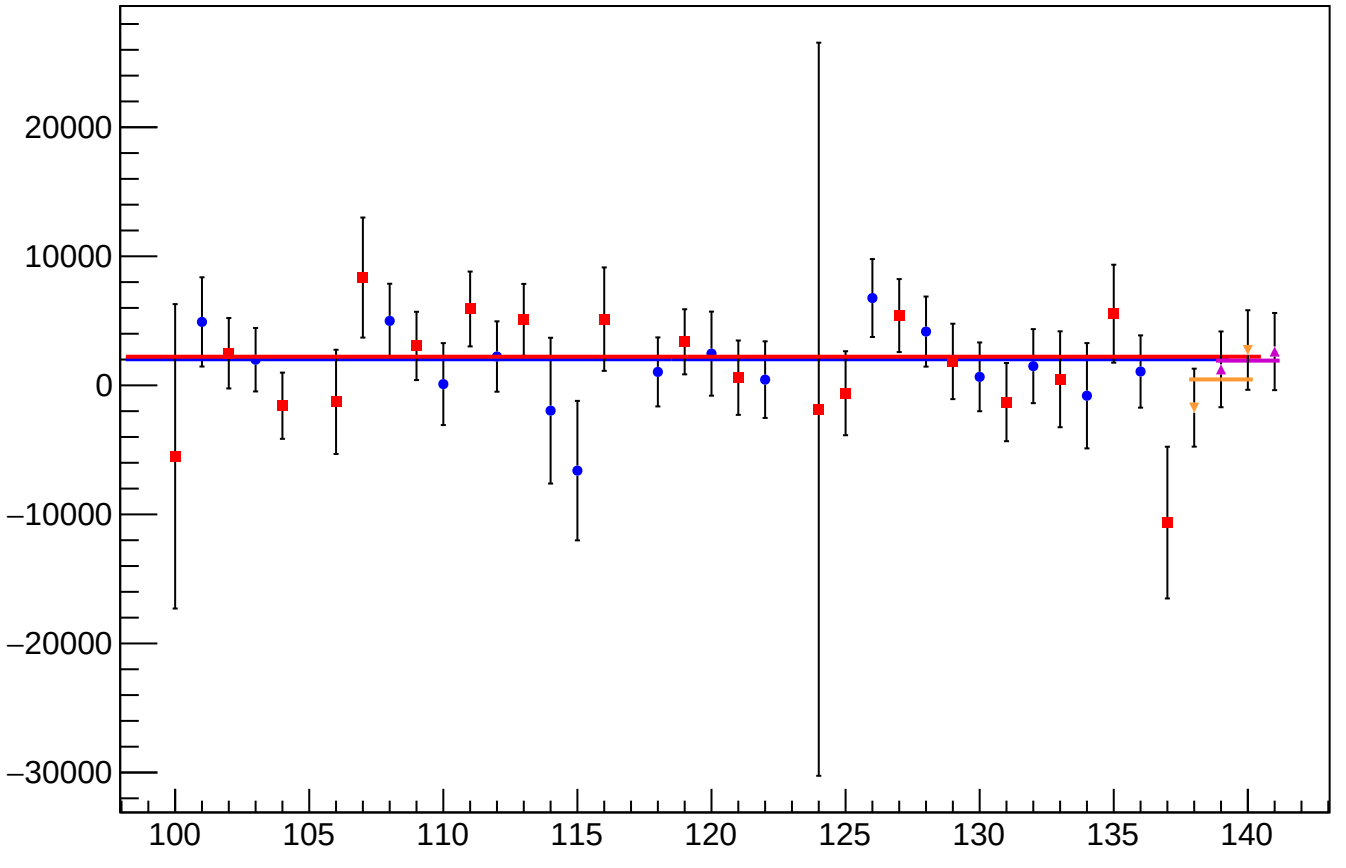
Left: 9197.900+/-3.578 χ^2/NDF: 37446.0/3

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6266.771+/-1.534 χ^2/NDF:1124749.6/17

Out: 1076.811+/-0.540 χ^2/NDF:13931984.4/20

All: 1649.133+/-0.509 χ^2/NDF: 25245839.3/3



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 459.535+/-2157.856 χ^2/NDF:1.1/1

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 1916.097+/-2094.636 χ^2/NDF:0.1/1

Left: 1209.466+/-1502.985 χ^2/NDF: 1.4/3

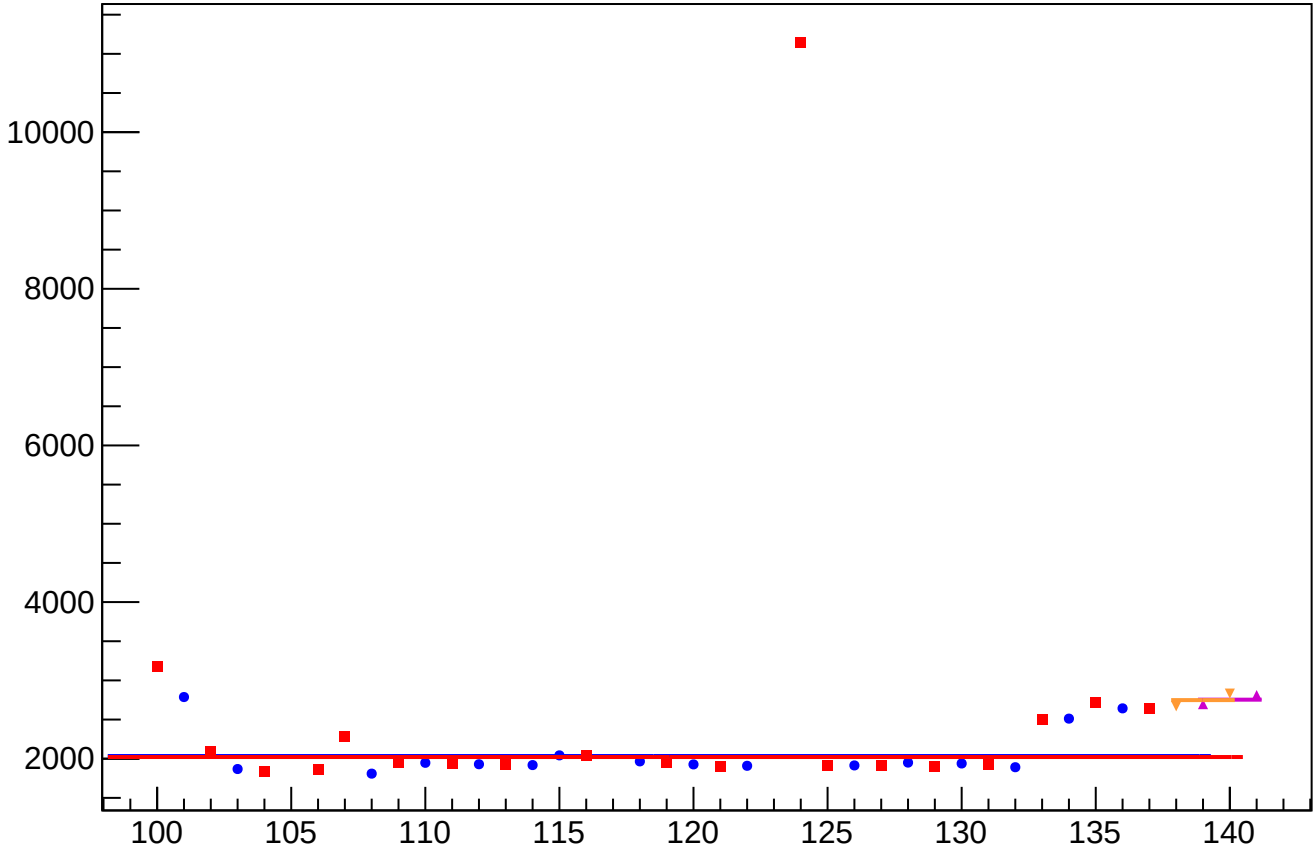
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2010.275+/-718.043 χ^2/NDF:9.7/17

Out: 2026.669+/-713.603 χ^2/NDF:19.8/20

All: 2018.523+/-506.156 χ^2/NDF: 29.5/38

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2748.371+/-1.526 χ^2/NDF:2832.8/1

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2753.847+/-1.481 χ^2/NDF:1540.5/1

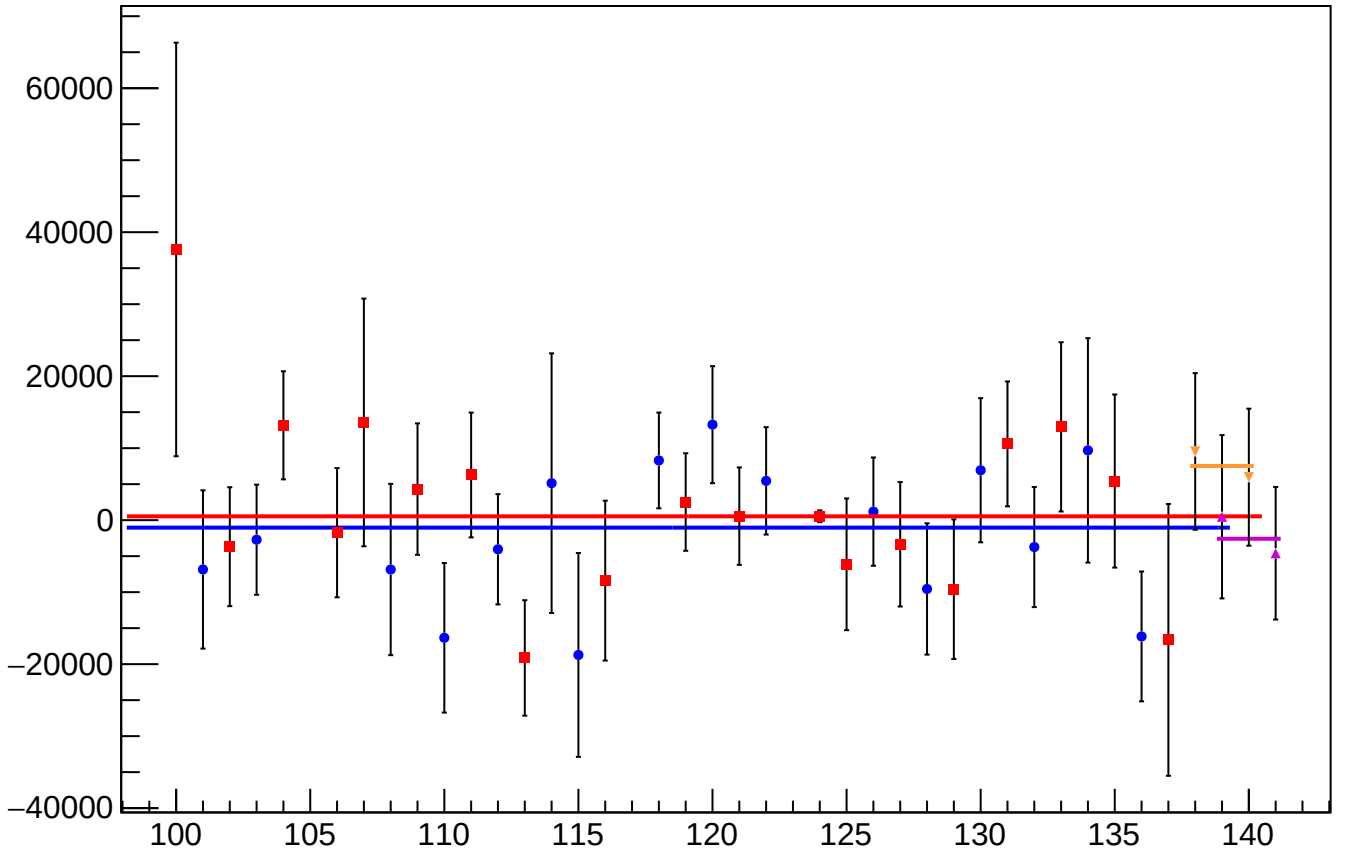
Left: 2751.190+/-1.063 χ^2/NDF: 4379.9/3

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2118.731+/-0.508 χ^2/NDF:472859.0/17

Out: 2101.052+/-0.505 χ^2/NDF:595245.1/20

All: 2109.836+/-0.358 χ^2/NDF: 1068714.1/38



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: 7520.323+/-7162.449 χ^2/NDF:0.1/1

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: -2582.170+/-7148.895 χ^2/NDF:0.1/1

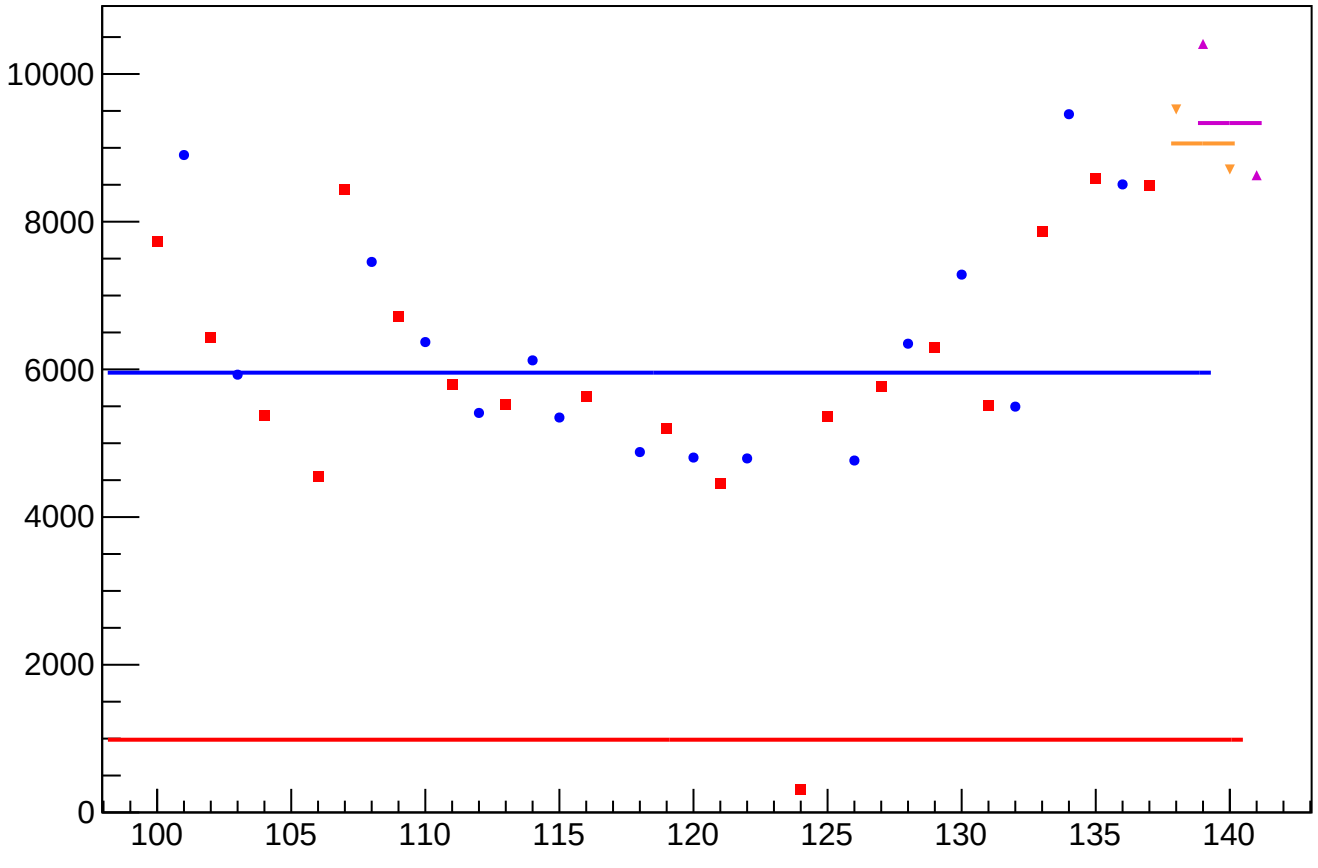
Left: 2459.509+/-5059.817 χ^2/NDF: 1.2/3

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -1180.081+/-2168.897 χ^2/NDF:15.5/17

Out: 610.100+/-763.571 χ^2/NDF:19.0/20

All: 412.688+/-720.240 χ^2/NDF: 35.2/38



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 9059.417+/-5.065 χ^2/NDF:6327.1/1

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9335.859+/-5.055 χ^2/NDF:29626.4/1

Left: 9197.900+/-3.578 χ^2/NDF: 37446.0/3

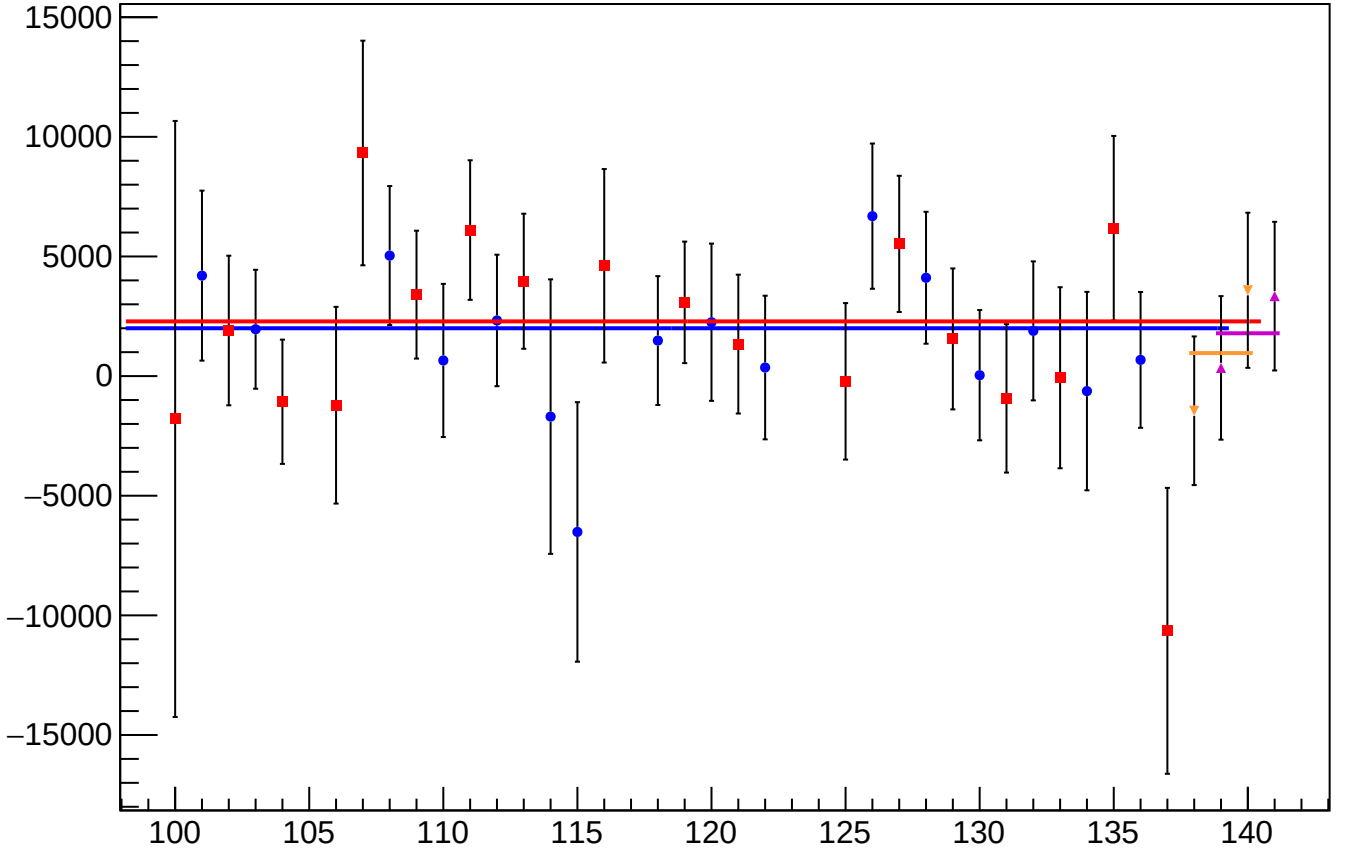
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6266.771+/-1.534 χ^2/NDF:1124749.6/17

Out: 1076.811+/-0.540 χ^2/NDF:13931984.4/20

All: 1649.133+/-0.509 χ^2/NDF: 25245839.3/3

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 961.807+/-2242.906 χ^2/NDF:1.3/1

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 1789.663+/-2158.027 χ^2/NDF:0.5/1

Left: 1391.696+/-1555.097 χ^2/NDF: 1.8/3

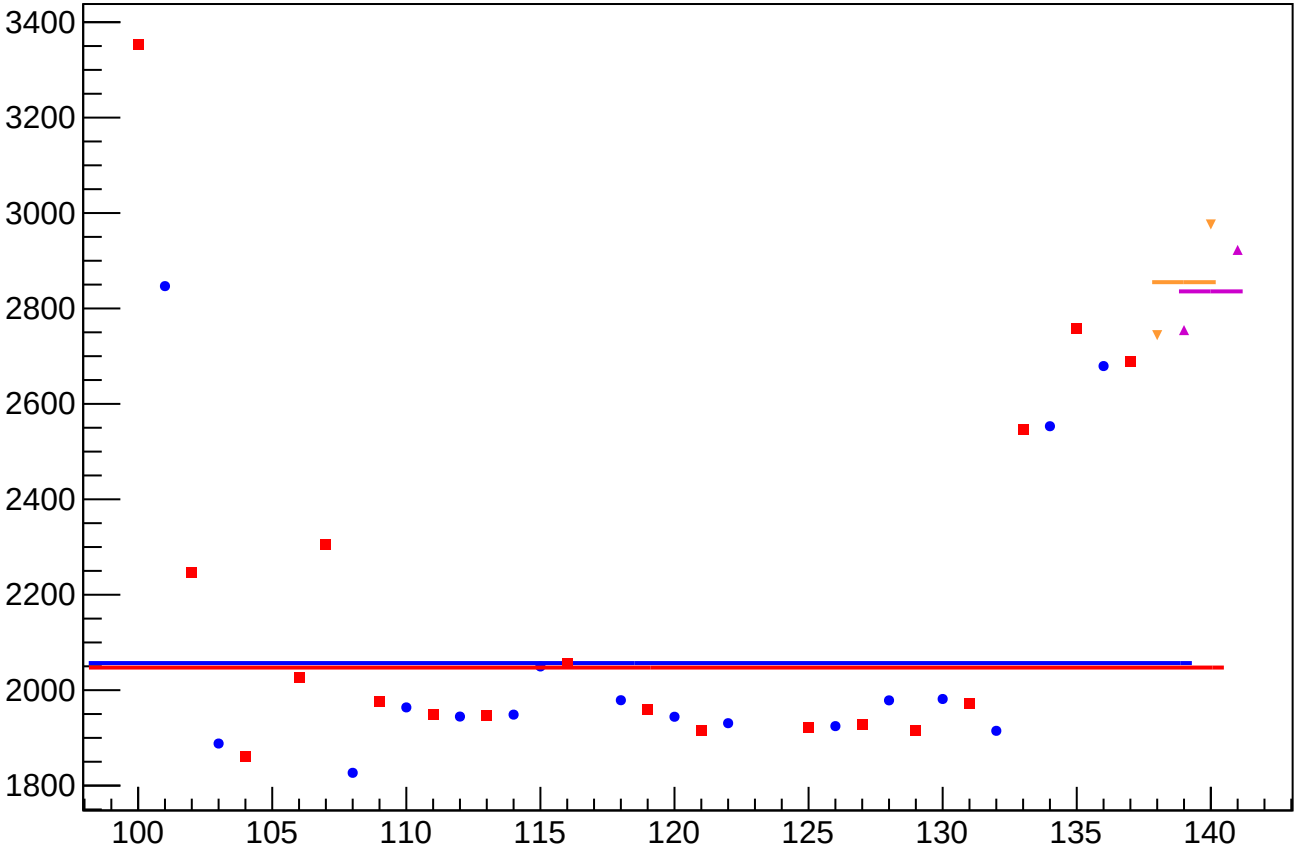
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 1975.355+/-728.172 χ^2/NDF:9.5/17

Out: 2145.876+/-729.377 χ^2/NDF:18.2/19

All: 2060.475+/-515.321 χ^2/NDF: 27.7/37

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2855.096+/-1.586 χ^2/NDF:5340.8/1

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2835.791+/-1.526 χ^2/NDF:3028.7/1

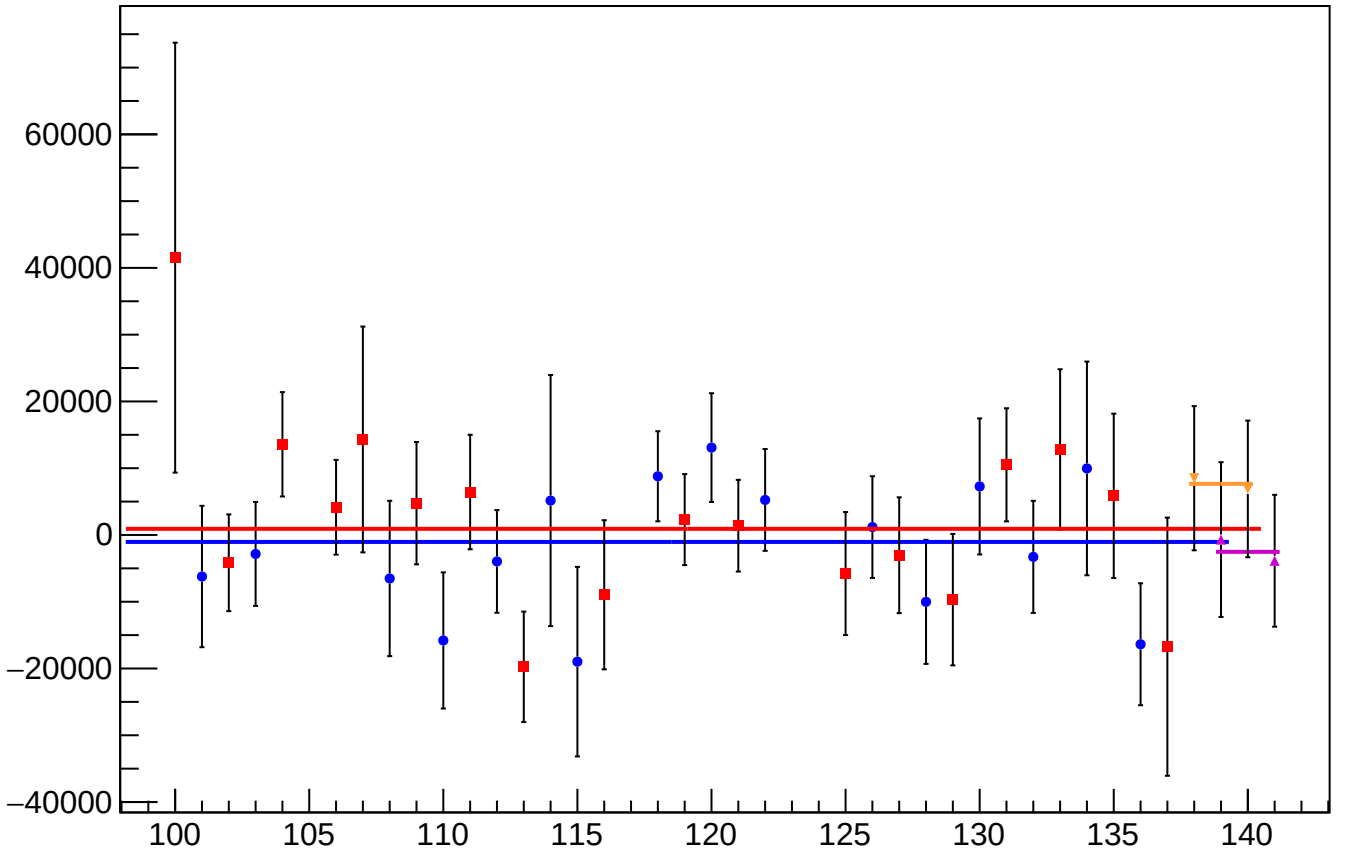
Left: 2845.072+/-1.100 χ^2/NDF: 8446.5/3

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2145.488+/-0.515 χ^2/NDF:504419.0/17

Out: 2132.584+/-0.515 χ^2/NDF:433870.8/19

All: 2139.038+/-0.364 χ^2/NDF: 938603.8/37



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 7655.746+/-7428.031 χ^2/NDF:0.0/1

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: -2528.386+/-7516.215 χ^2/NDF:0.0/1

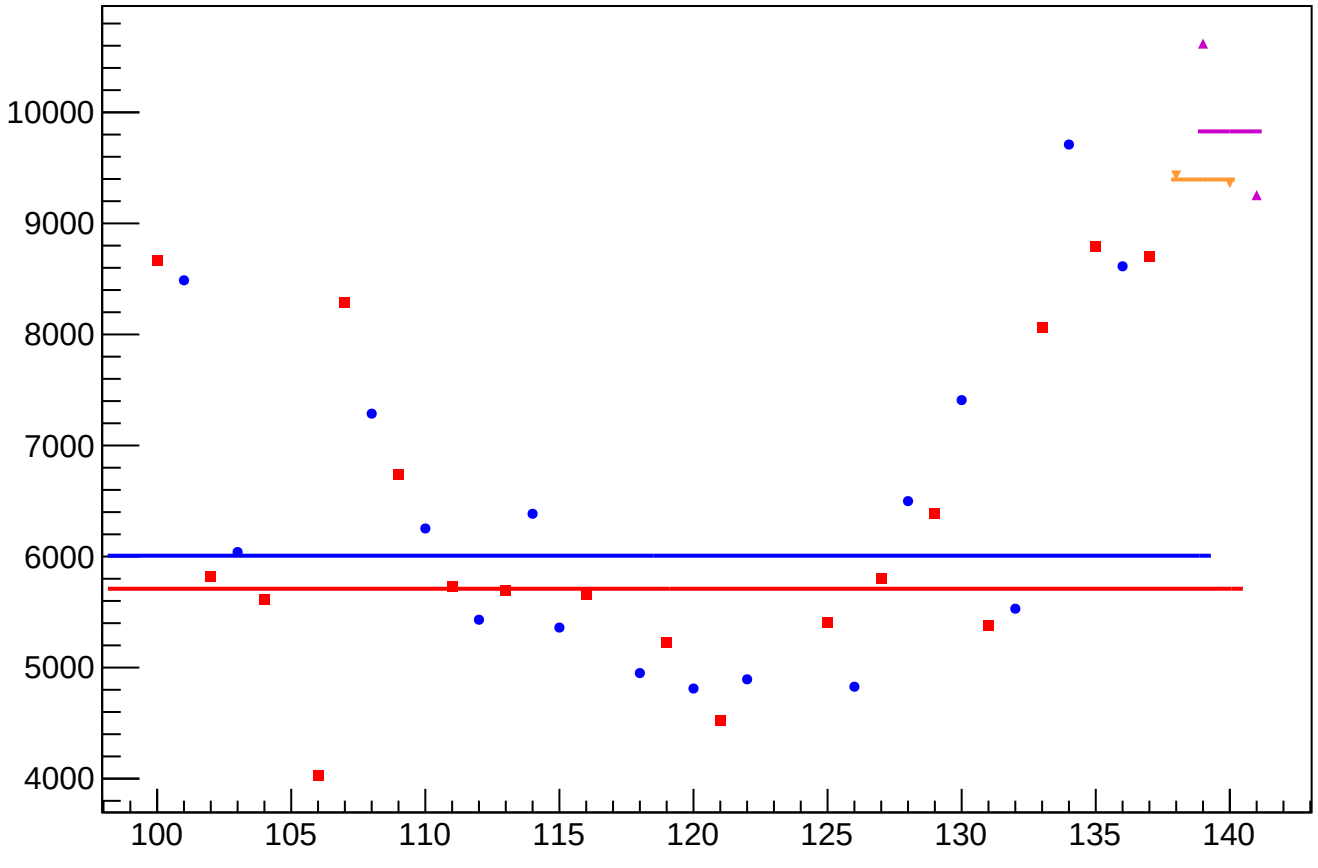
Left: 2623.773+/-5283.313 χ^2/NDF: 1.0/3

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -1169.193+/-2194.615 χ^2/NDF:15.4/17

Out: 1440.773+/-2066.022 χ^2/NDF:19.1/19

All: 214.492+/-1504.306 χ^2/NDF: 35.3/37



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9395.227+/-5.252 χ^2/NDF:43.3/1

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9828.482+/-5.315 χ^2/NDF:16073.6/1

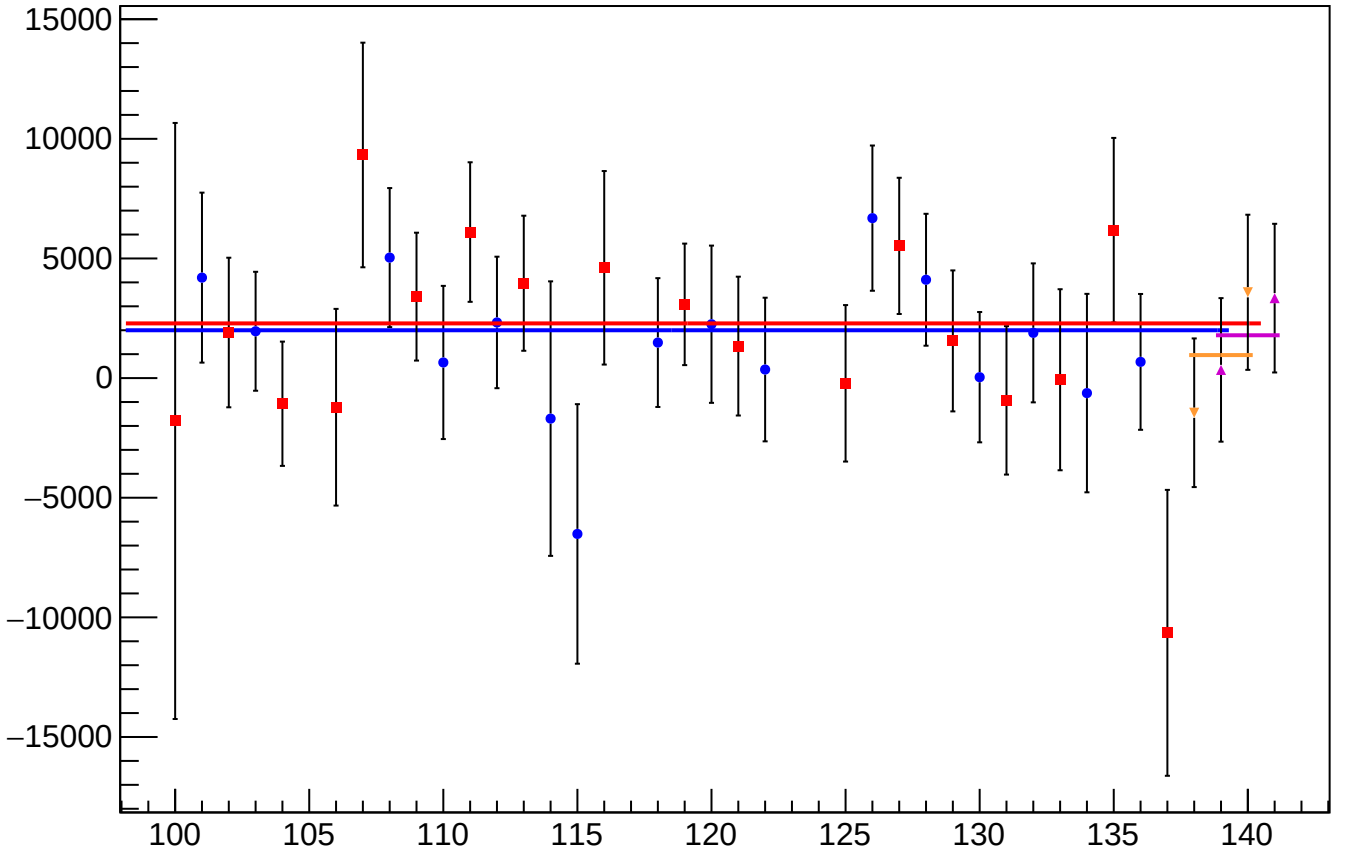
Left: 9609.298+/-3.736 χ^2/NDF: 19478.8/3

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6333.188+/-1.552 χ^2/NDF:1142893.5/17

Out: 5995.003+/-1.461 χ^2/NDF:990189.1/19

All: 6153.898+/-1.064 χ^2/NDF: 2158260.6/37



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 961.825+/-2242.907 χ^2/NDF:1.3/1

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 1789.659+/-2158.029 χ^2/NDF:0.5/1

Left: 1391.702+/-1555.098 χ^2/NDF: 1.8/3

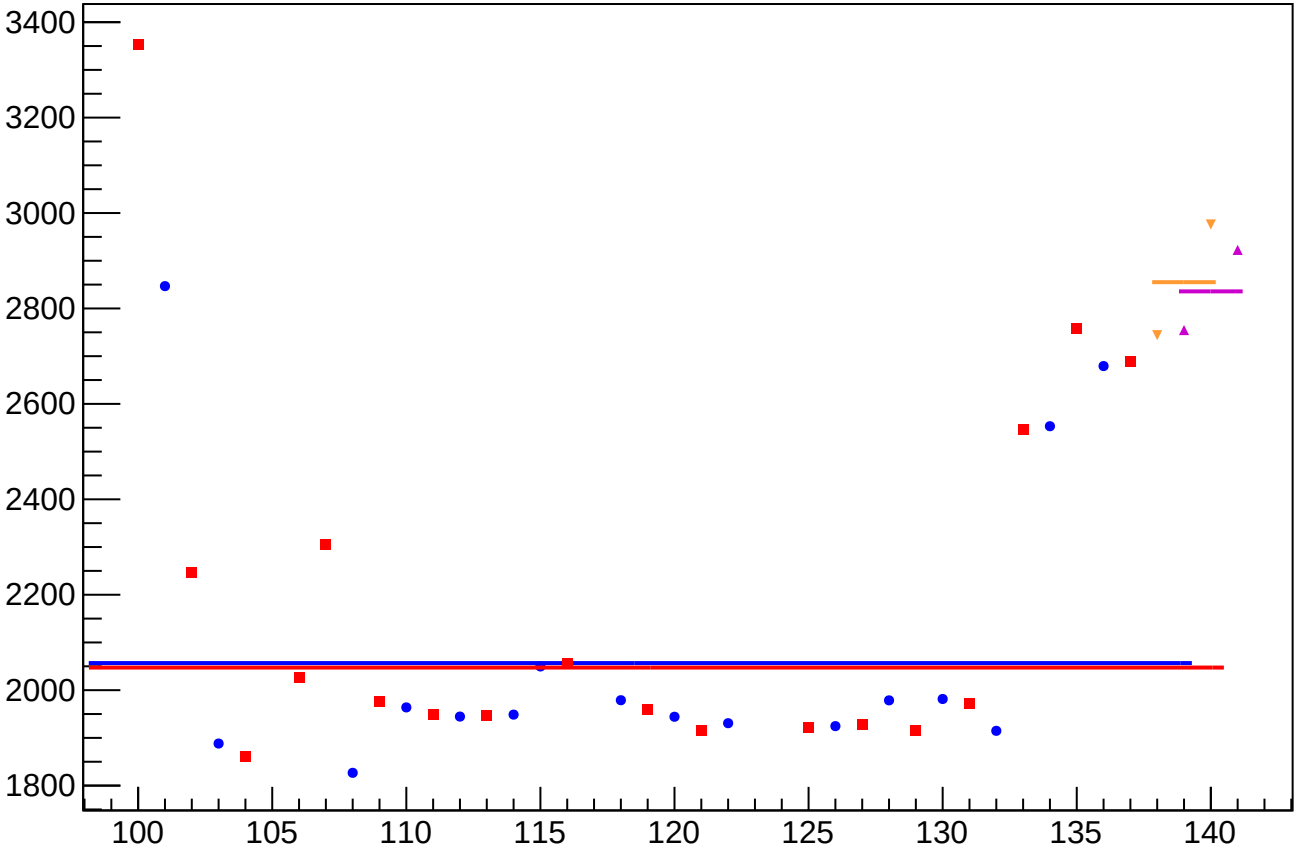
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 1975.359+/-728.172 χ^2/NDF:9.5/17

Out: 2145.882+/-729.377 χ^2/NDF:18.2/19

All: 2060.479+/-515.321 χ^2/NDF: 27.7/37

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2855.098+/-1.586 χ^2/NDF:5341.0/1

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2835.794+/-1.526 χ^2/NDF:3028.7/1

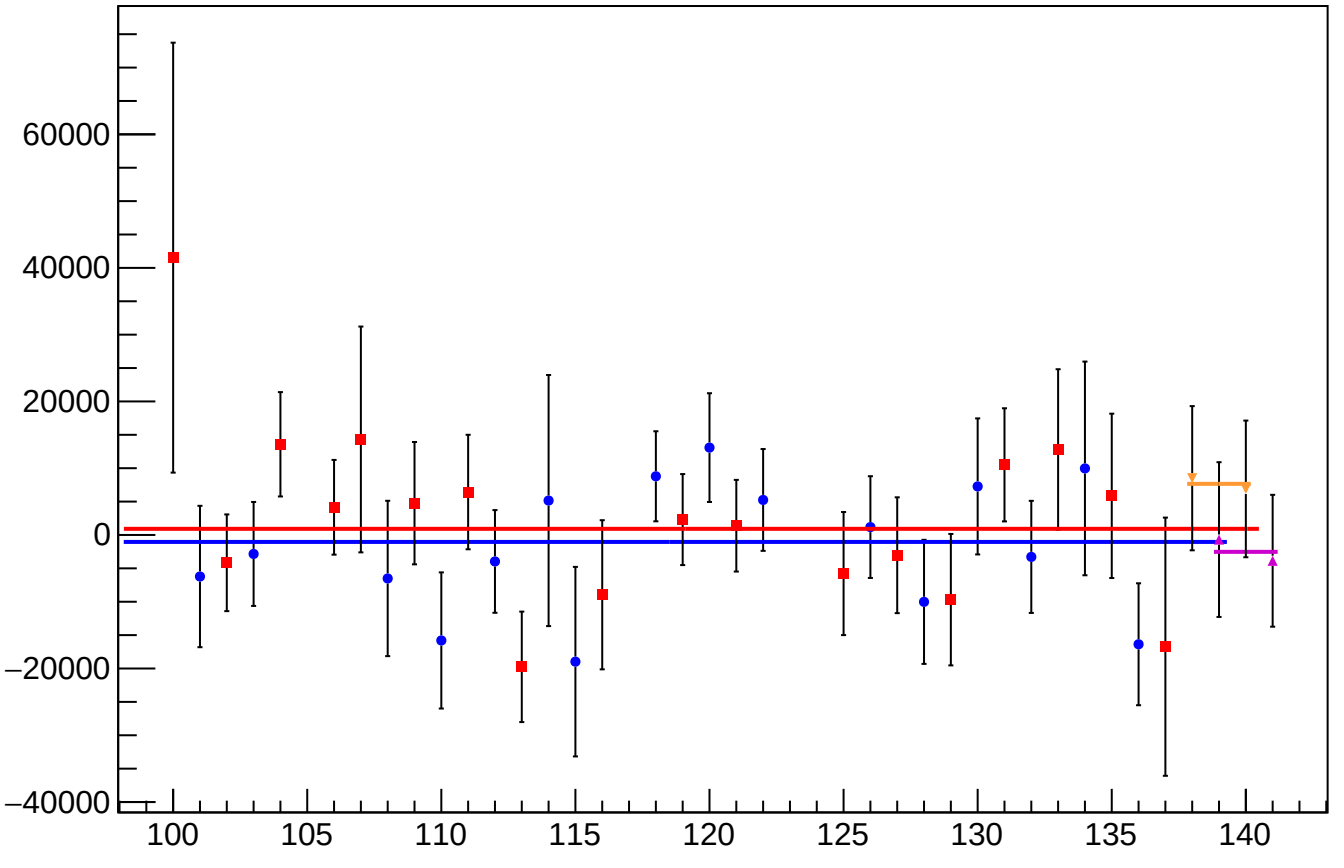
Left: 2845.074+/-1.100 χ^2/NDF: 8446.6/3

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2145.489+/-0.515 χ^2/NDF:504420.1/17

Out: 2132.584+/-0.515 χ^2/NDF:433871.8/19

All: 2139.038+/-0.364 χ^2/NDF: 938605.9/37



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 7655.761+/-7428.050 χ^2/NDF:0.0/1

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: -2528.389+/-7516.233 χ^2/NDF:0.0/1

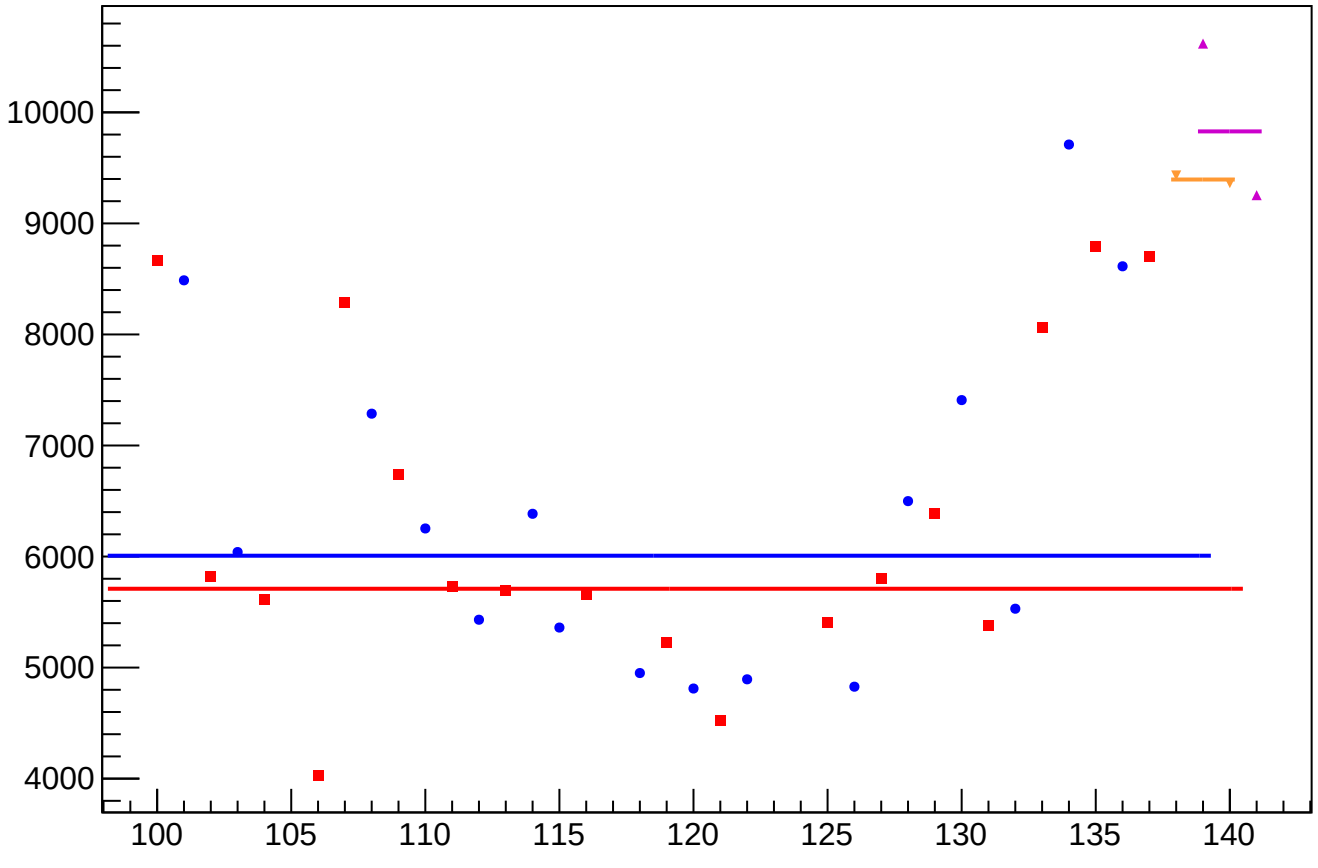
Left: 2623.778+/-5283.326 χ^2/NDF: 1.0/3

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -1169.180+/-2194.609 χ^2/NDF:15.4/17

Out: 1440.774+/-2066.017 χ^2/NDF:19.1/19

All: 214.497+/-1504.302 χ^2/NDF: 35.3/37



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9395.251+/-5.252 χ^2/NDF:43.3/1

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9828.504+/-5.315 χ^2/NDF:16074.1/1

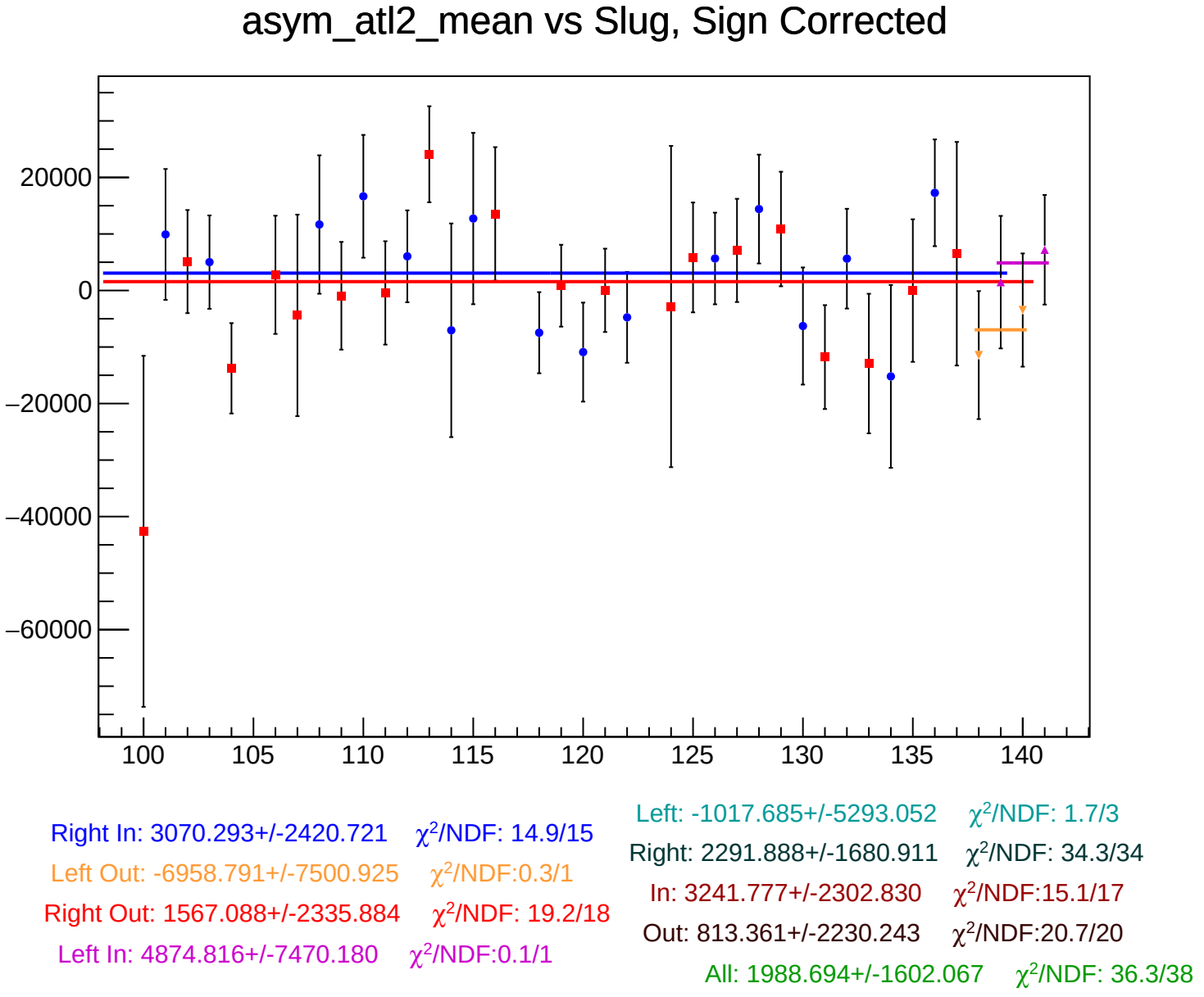
Left: 9609.321+/-3.736 χ^2/NDF: 19479.3/3

Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

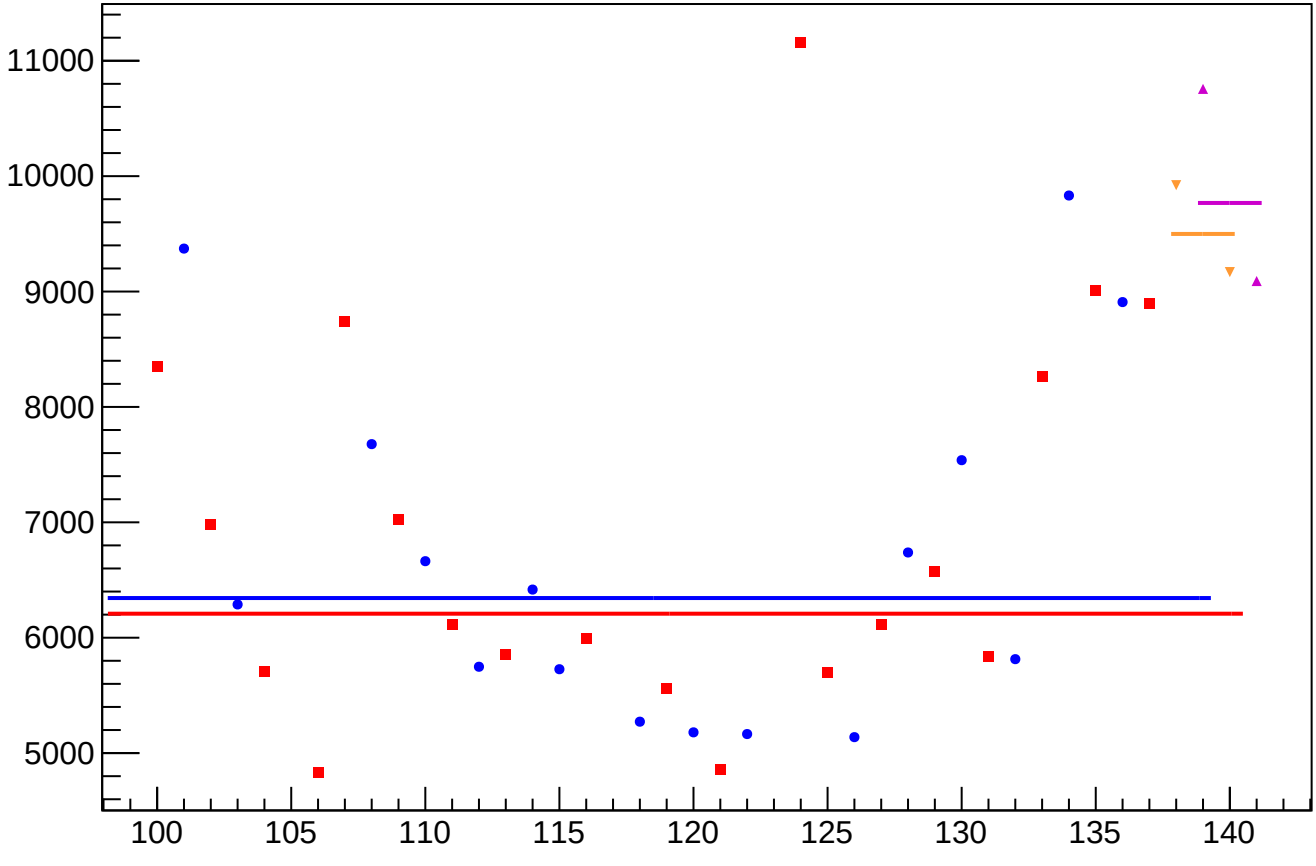
In: 6333.168+/-1.552 χ^2/NDF:1142910.8/17

Out: 5994.987+/-1.461 χ^2/NDF:990201.1/19

All: 6153.880+/-1.064 χ^2/NDF: 2158289.7/37


asym_atl2_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
100
105
110
115
120
125
130
135
140
Right In: 3070.293+/-2420.721 χ²/NDF: 14.9/15
Left Out: -6958.791+/-7500.925 χ²/NDF:0.3/1
Right Out: 1567.088+/-2335.884 χ²/NDF: 19.2/18
Left In: 4874.816+/-7470.180 χ²/NDF:0.1/1
Left: -1017.685+/-5293.052 χ²/NDF: 1.7/3
Right: 2291.888+/-1680.911 χ²/NDF: 34.3/34
In: 3241.777+/-2302.830 χ²/NDF:15.1/17
Out: 813.361+/-2230.243 χ²/NDF:20.7/20
All: 1988.694+/-1602.067 χ²/NDF: 36.3/38

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9499.178+/-5.304 χ^2/NDF:4966.5/1

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9767.752+/-5.282 χ^2/NDF:23974.6/1

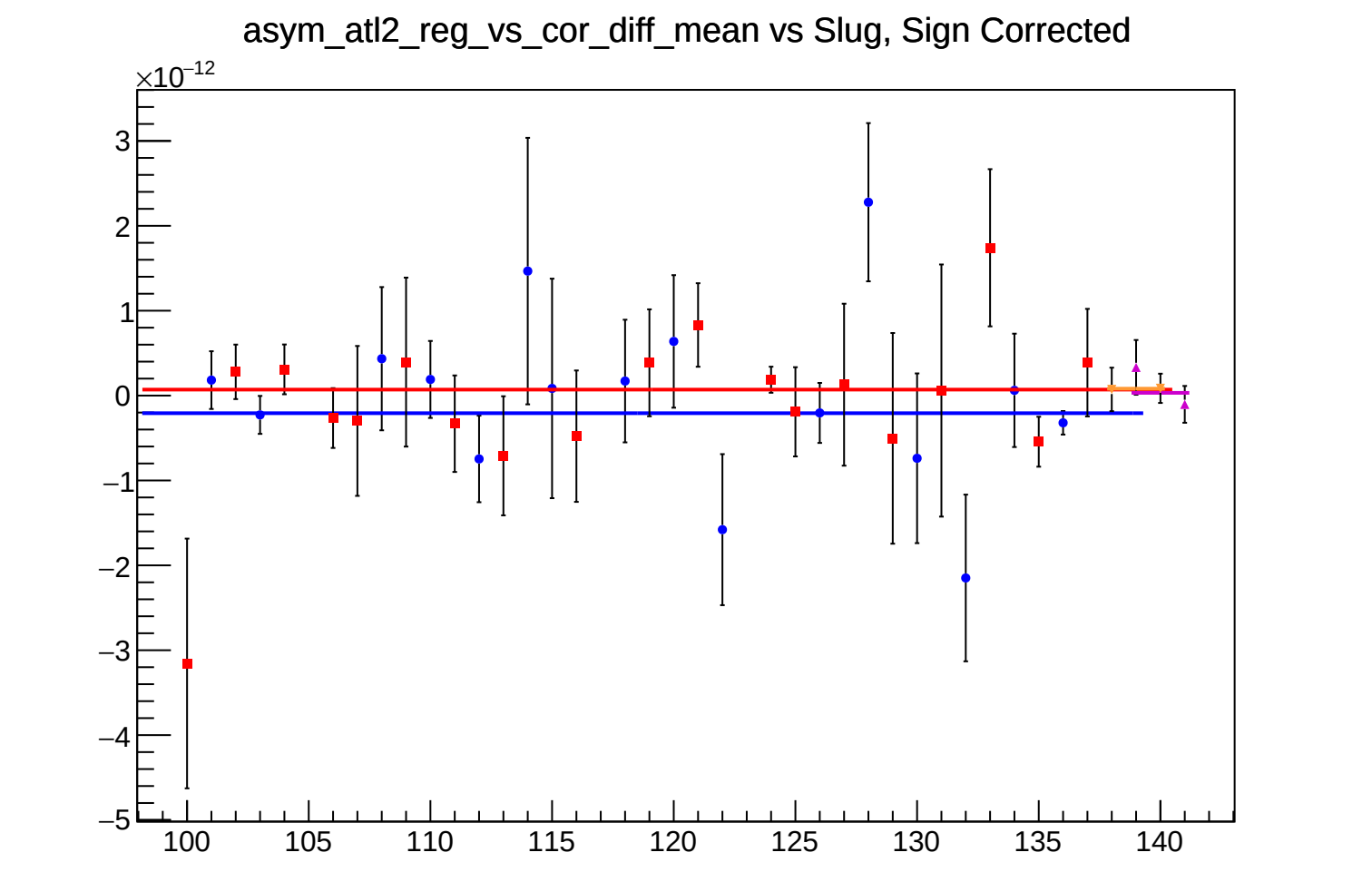
Left: 9634.016+/-3.743 χ^2/NDF: 30228.4/3

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 6669.174+/-1.628 χ^2/NDF:1025455.4/17

Out: 6499.044+/-1.577 χ^2/NDF:827784.7/20

All: 6581.386+/-1.133 χ^2/NDF: 1858872.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/1

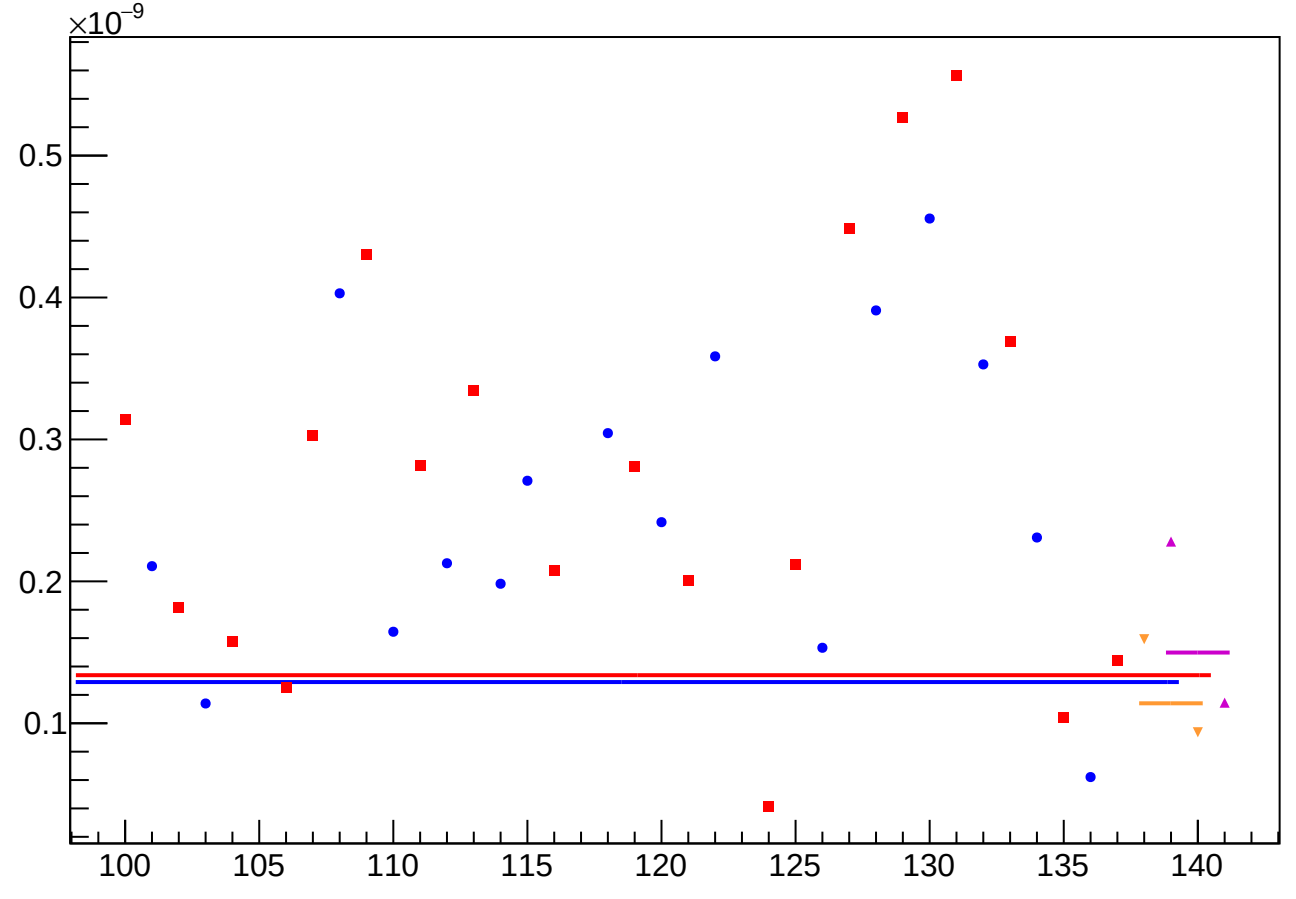
Left: 0.000+/-0.000 χ^2/NDF: 1.3/3

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:23.6/17

Out: 0.000+/-0.000 χ^2/NDF:20.9/20

All: -0.000+/-0.000 χ^2/NDF: 48.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:90103.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:170750.0/1

Left: 0.000+/-0.000 χ^2/NDF: 309307.2/3

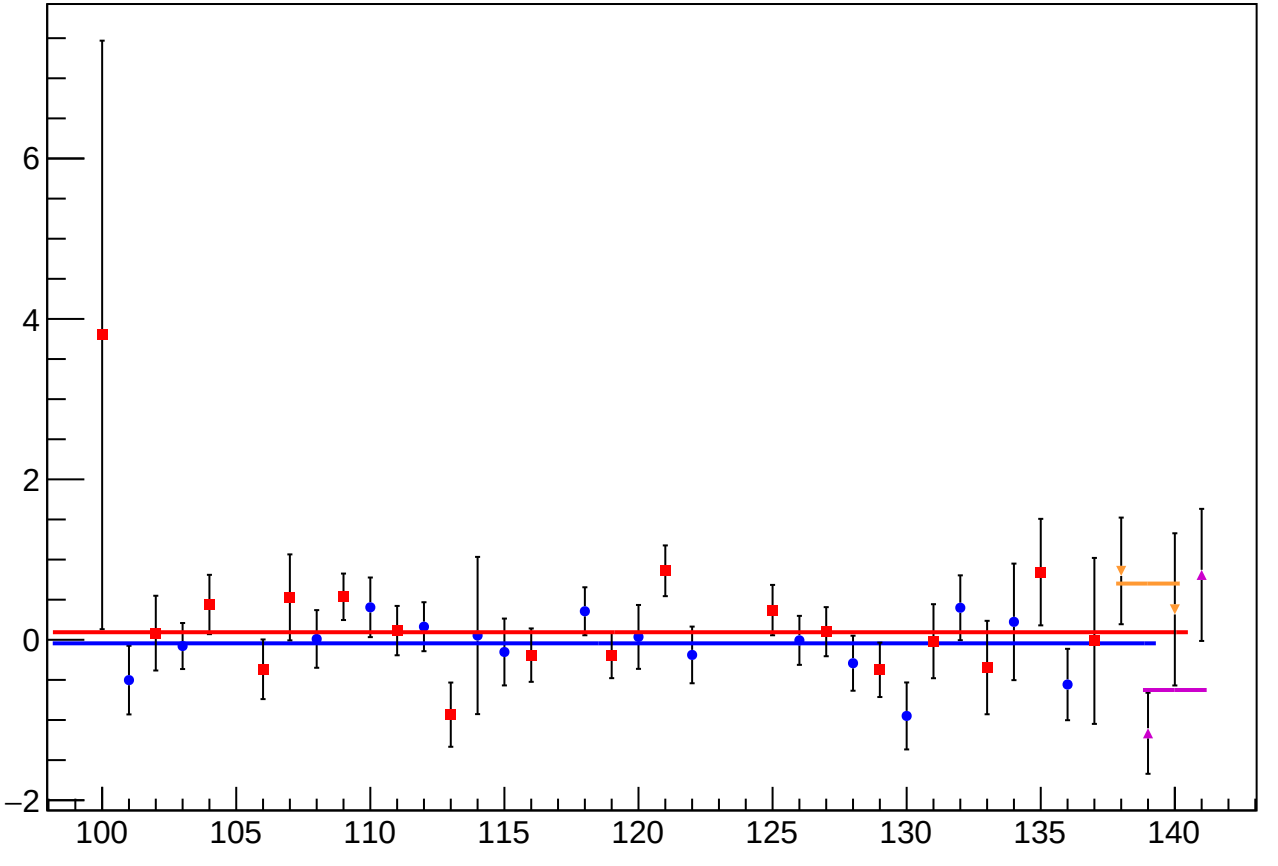
Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:1911940.2/17

Out: 0.000+/-0.000 χ^2/NDF:2421108.6/20

All: 0.000+/-0.000 χ^2/NDF: 4338144.1/38

asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.701+/-0.544 χ^2/NDF:0.2/1

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.626+/-0.430 χ^2/NDF:4.2/1

Left: -0.116+/-0.338 χ^2/NDF: 8.0/3

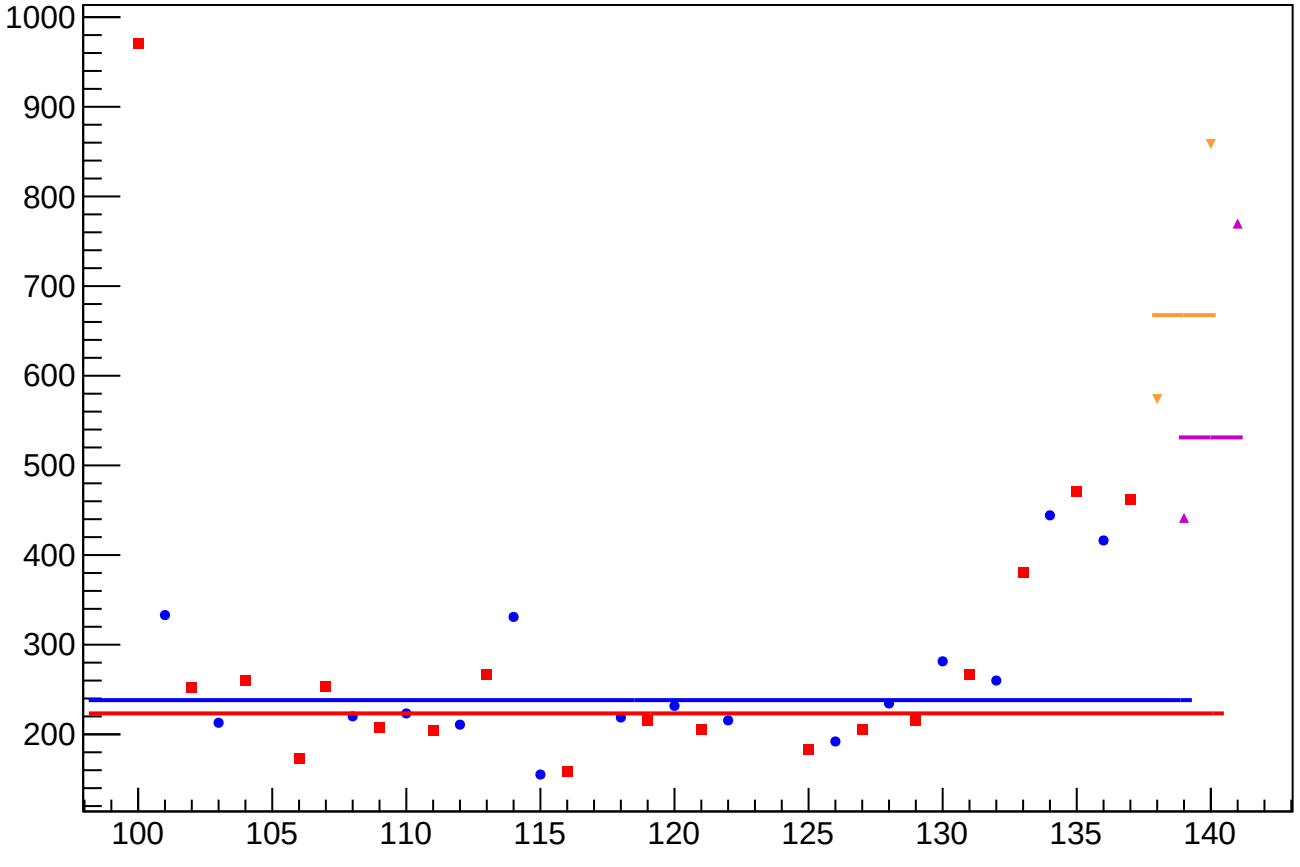
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.070+/-0.092 χ^2/NDF:19.0/17

Out: 0.111+/-0.089 χ^2/NDF:26.7/19

All: 0.023+/-0.064 χ^2/NDF: 47.7/37

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 667.593+/-0.385 χ^2/NDF:120609.7/1

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 531.227+/-0.304 χ^2/NDF:231036.6/1

Left: 583.686+/-0.239 χ^2/NDF: 428868.6/3

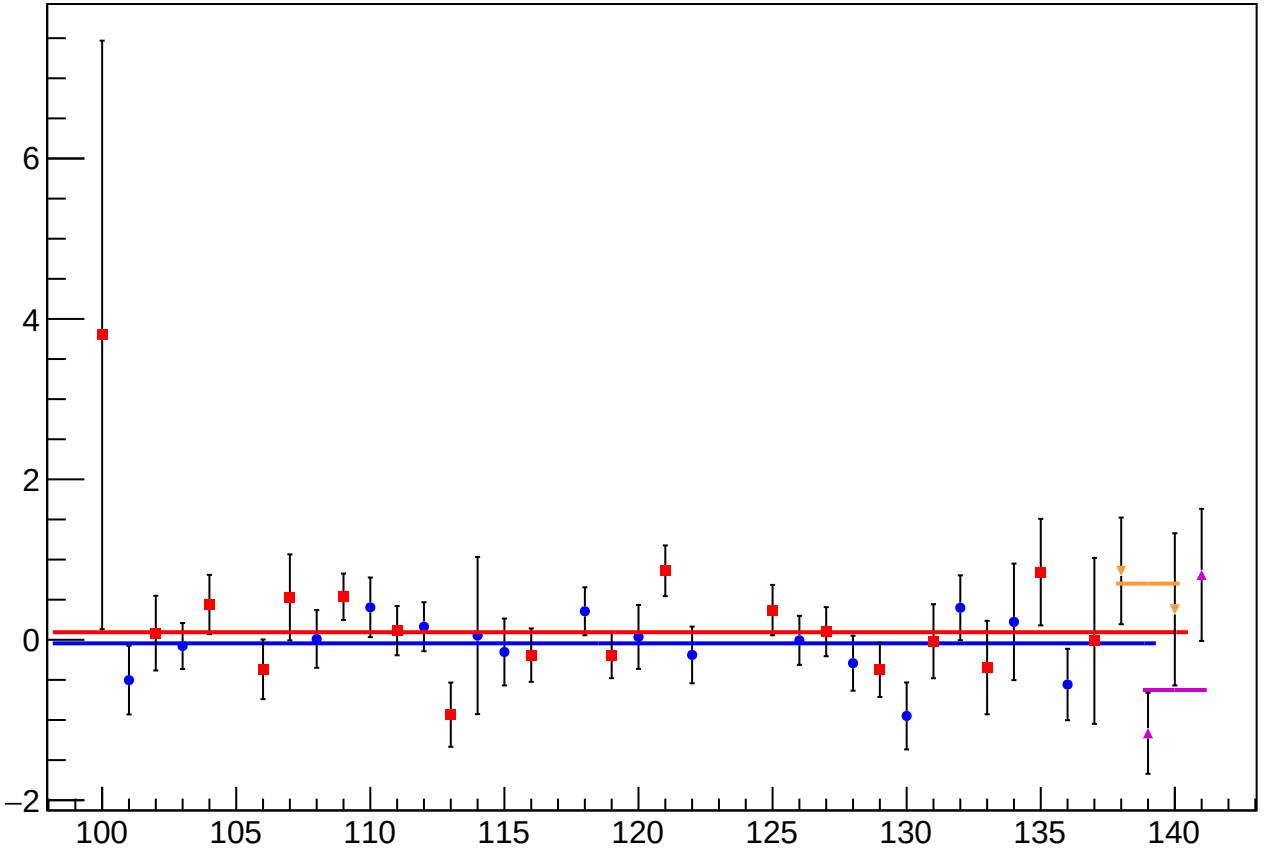
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 251.451+/-0.065 χ^2/NDF:1923330.5/17

Out: 235.215+/-0.063 χ^2/NDF:2279273.9/19

All: 243.079+/-0.045 χ^2/NDF: 4234967.0/37

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.701+/-0.544 χ^2/NDF:0.2/1

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.626+/-0.430 χ^2/NDF:4.2/1

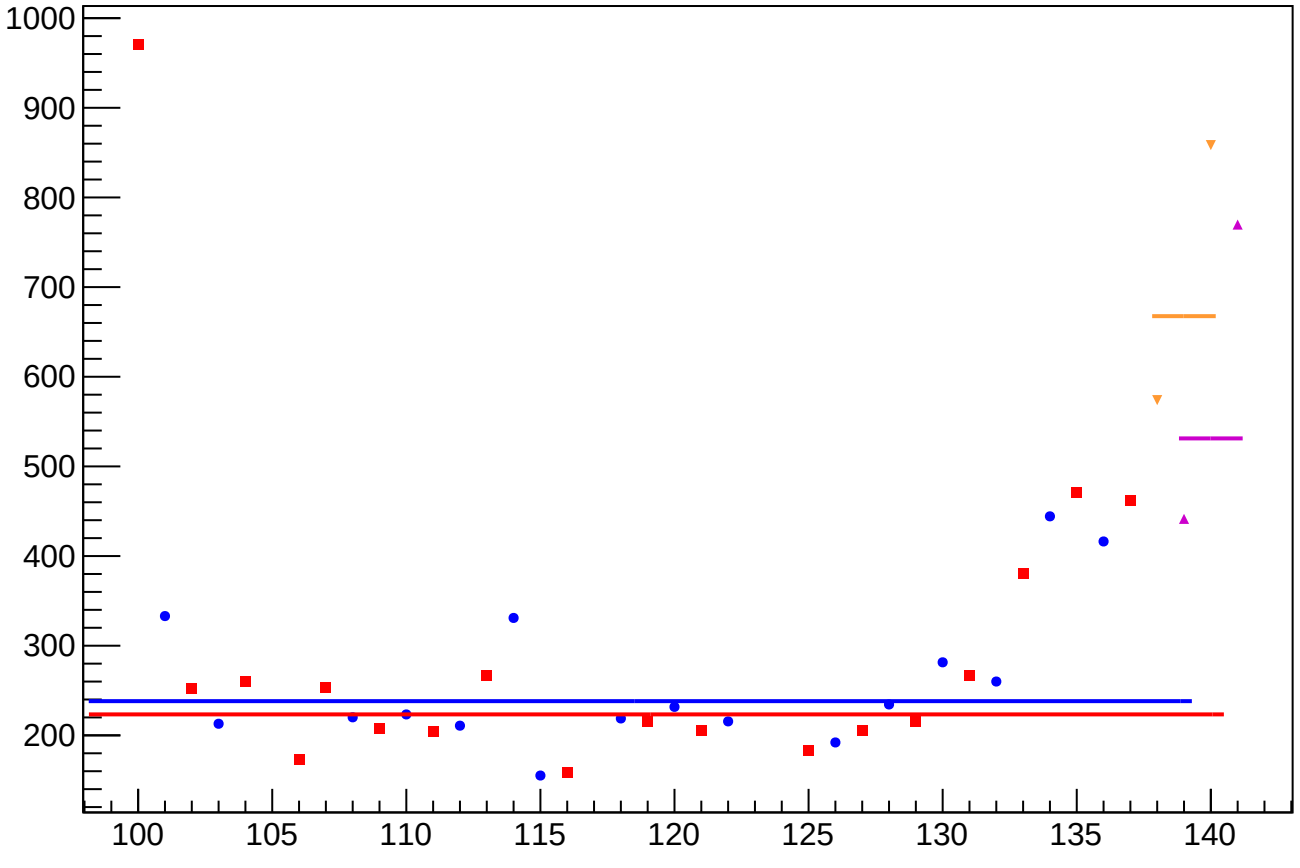
Left: -0.116+/-0.338 χ^2/NDF: 8.0/3

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.070+/-0.092 χ^2/NDF:19.0/17

Out: 0.111+/-0.089 χ^2/NDF:26.7/19

All: 0.023+/-0.064 χ^2/NDF: 47.7/37



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 667.593+/-0.385 χ^2/NDF:120609.7/1

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 531.227+/-0.304 χ^2/NDF:231036.6/1

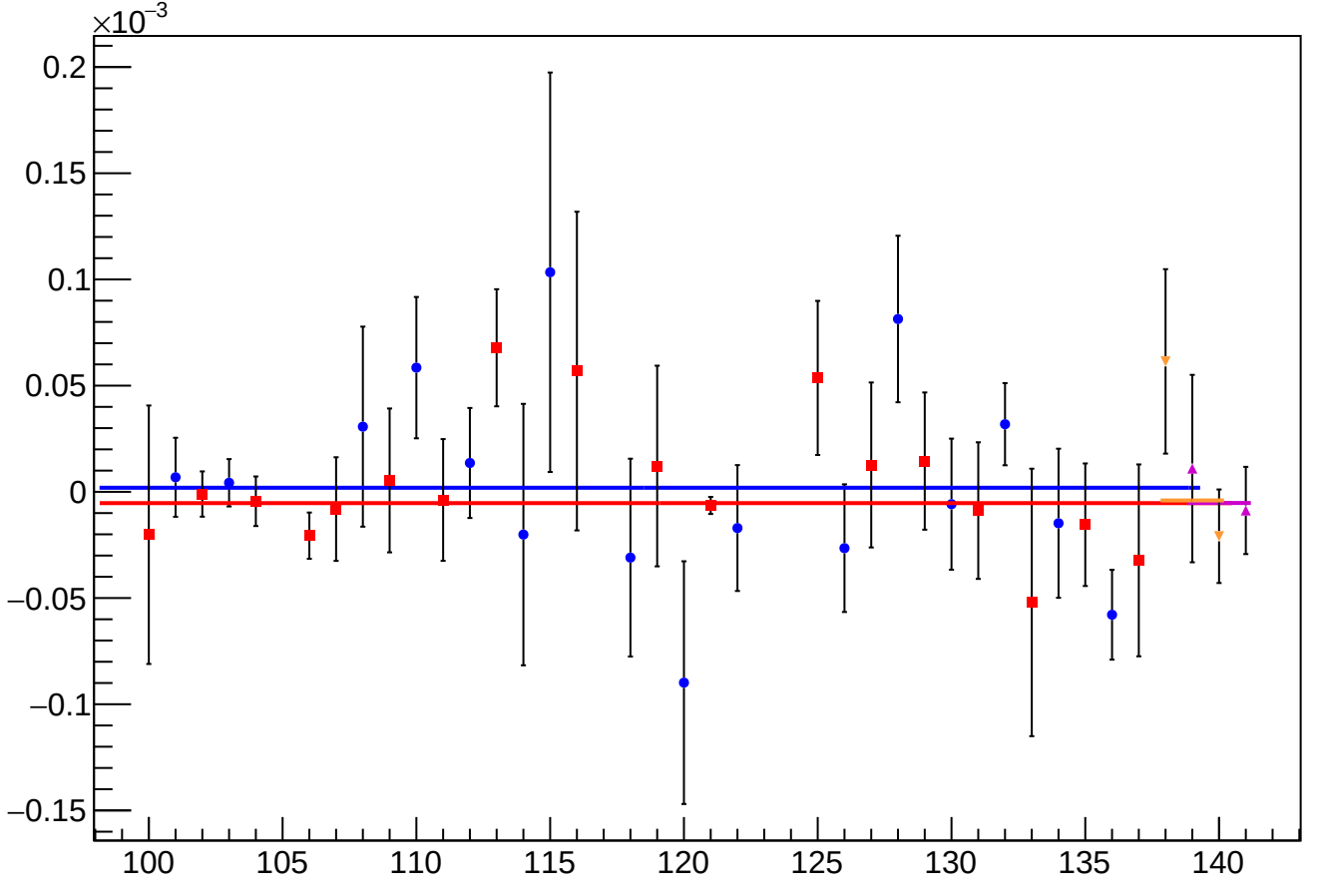
Left: 583.686+/-0.239 χ^2/NDF: 428868.6/3

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 251.451+/-0.065 χ^2/NDF:1923330.5/17

Out: 235.215+/-0.063 χ^2/NDF:2279273.9/19

All: 243.079+/-0.045 χ^2/NDF: 4234967.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/1

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

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

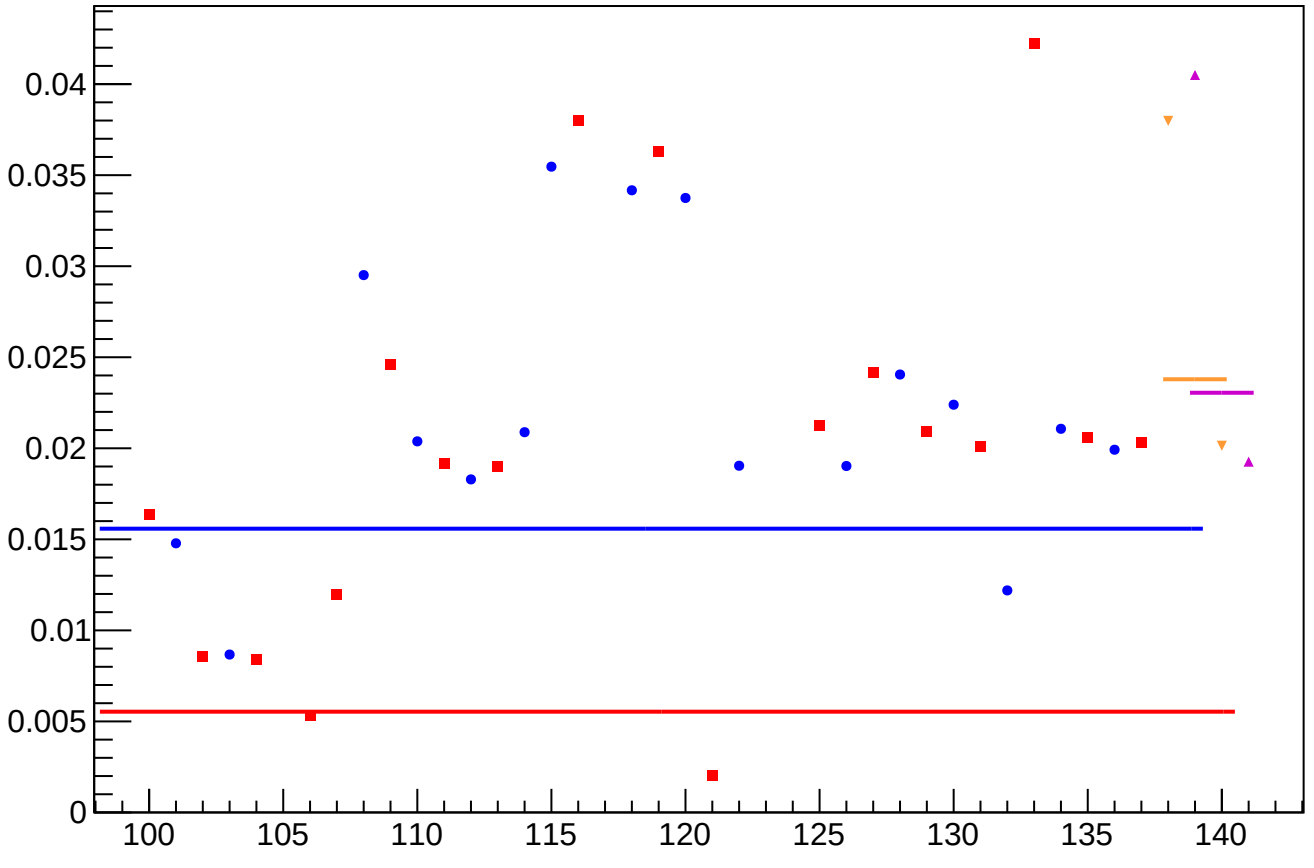
Left: -0.000+/-0.000 χ^2/NDF: 3.0/3

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:24.3/17

Out: -0.000+/-0.000 χ^2/NDF:17.4/19

All: -0.000+/-0.000 χ^2/NDF: 42.6/37



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.024+/-0.000 χ^2/NDF:268622.3/1

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.023+/-0.000 χ^2/NDF:381019.9/1

Left: 0.023+/-0.000 χ^2/NDF: 651143.4/3

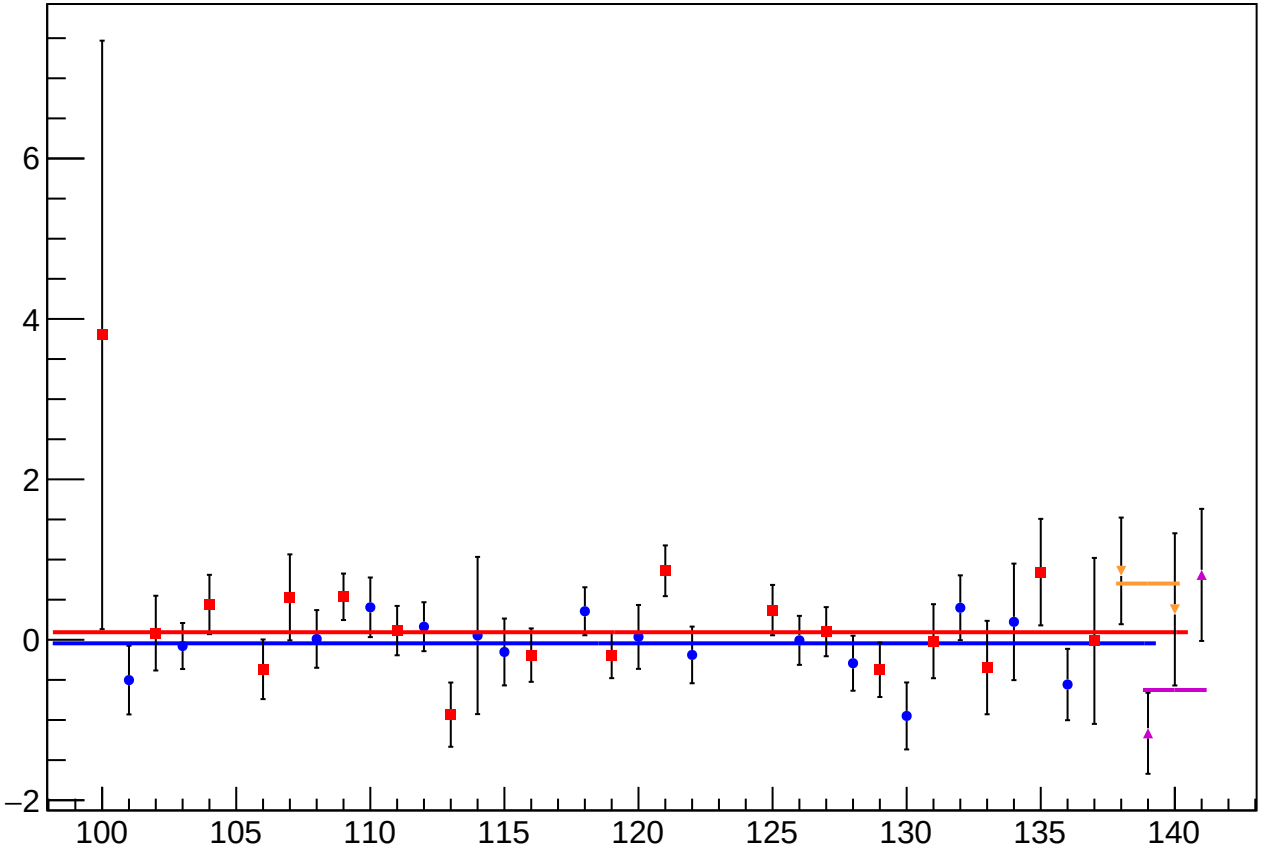
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.016+/-0.000 χ^2/NDF:2743436.2/17

Out: 0.006+/-0.000 χ^2/NDF:9907204.8/19

All: 0.008+/-0.000 χ^2/NDF: 17283356.7/37

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.701+/-0.544 χ^2/NDF:0.2/1

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.626+/-0.430 χ^2/NDF:4.2/1

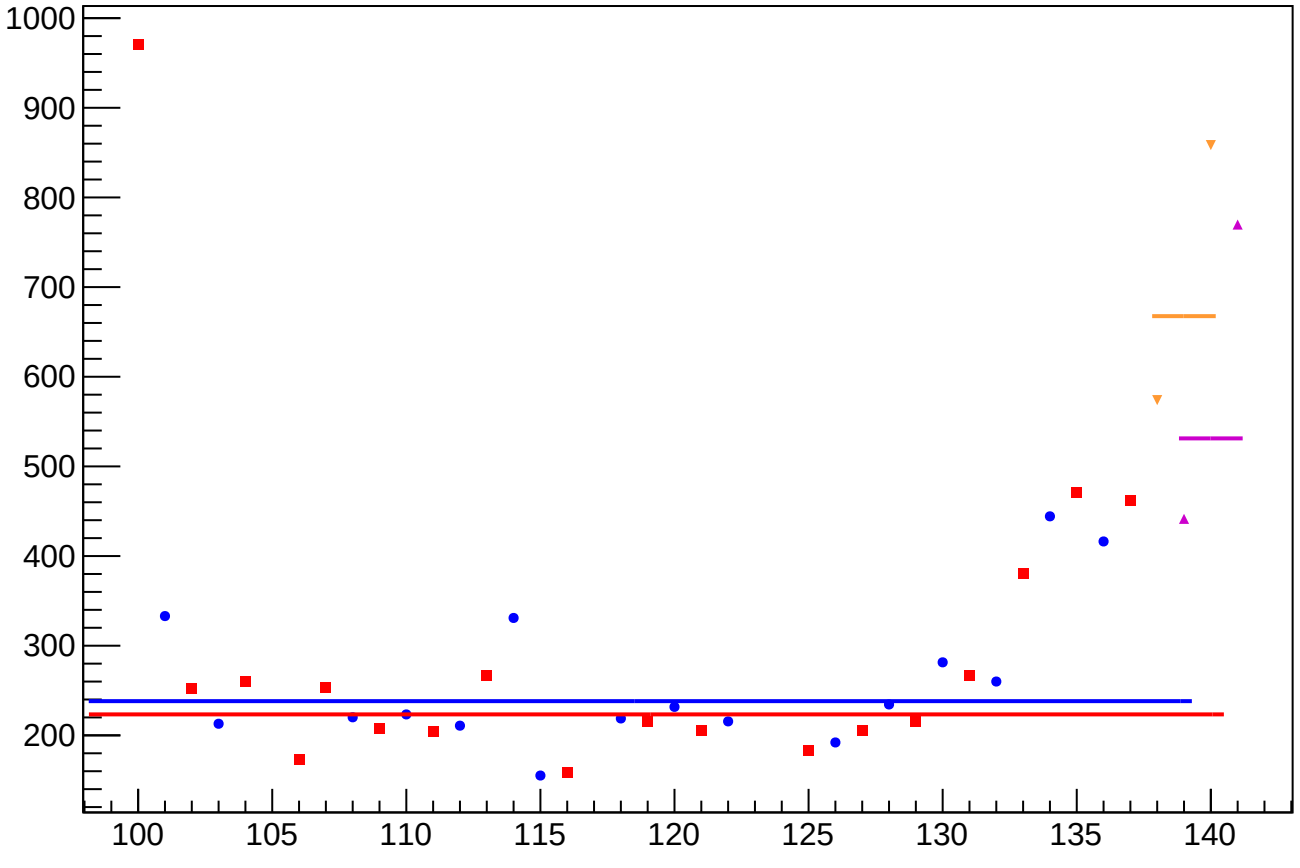
Left: -0.115+/-0.338 χ^2/NDF: 8.0/3

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.070+/-0.092 χ^2/NDF:19.0/17

Out: 0.111+/-0.089 χ^2/NDF:26.7/19

All: 0.023+/-0.064 χ^2/NDF: 47.7/37



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 667.598+/-0.385 χ^2/NDF:120614.1/1

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 531.241+/-0.304 χ^2/NDF:231024.9/1

Left: 583.698+/-0.239 χ^2/NDF: 428849.1/3

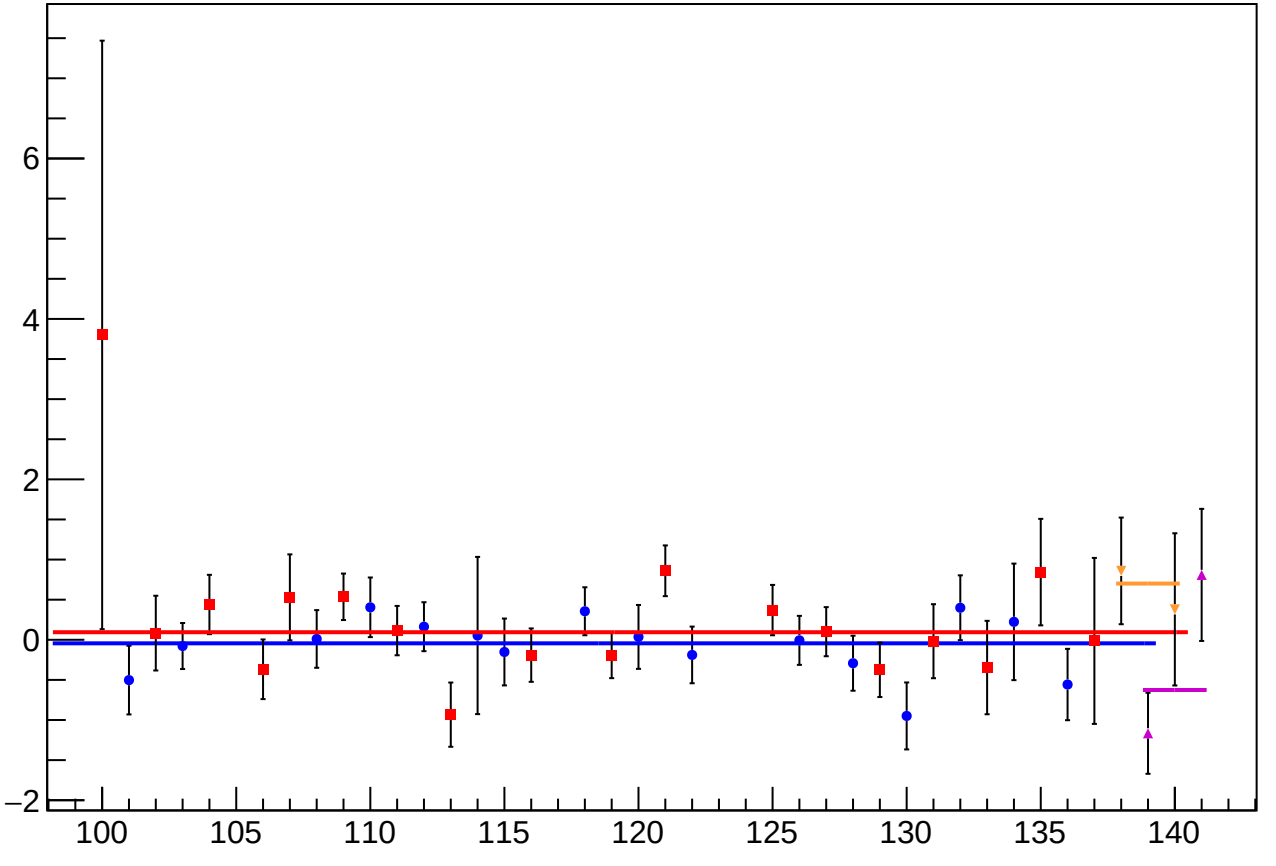
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 251.451+/-0.065 χ^2/NDF:1923322.6/17

Out: 235.217+/-0.063 χ^2/NDF:2279221.9/19

All: 243.081+/-0.045 χ^2/NDF: 4234903.6/37

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.701+/-0.544 χ^2/NDF:0.2/1

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.626+/-0.430 χ^2/NDF:4.2/1

Left: -0.115+/-0.338 χ^2/NDF: 8.0/3

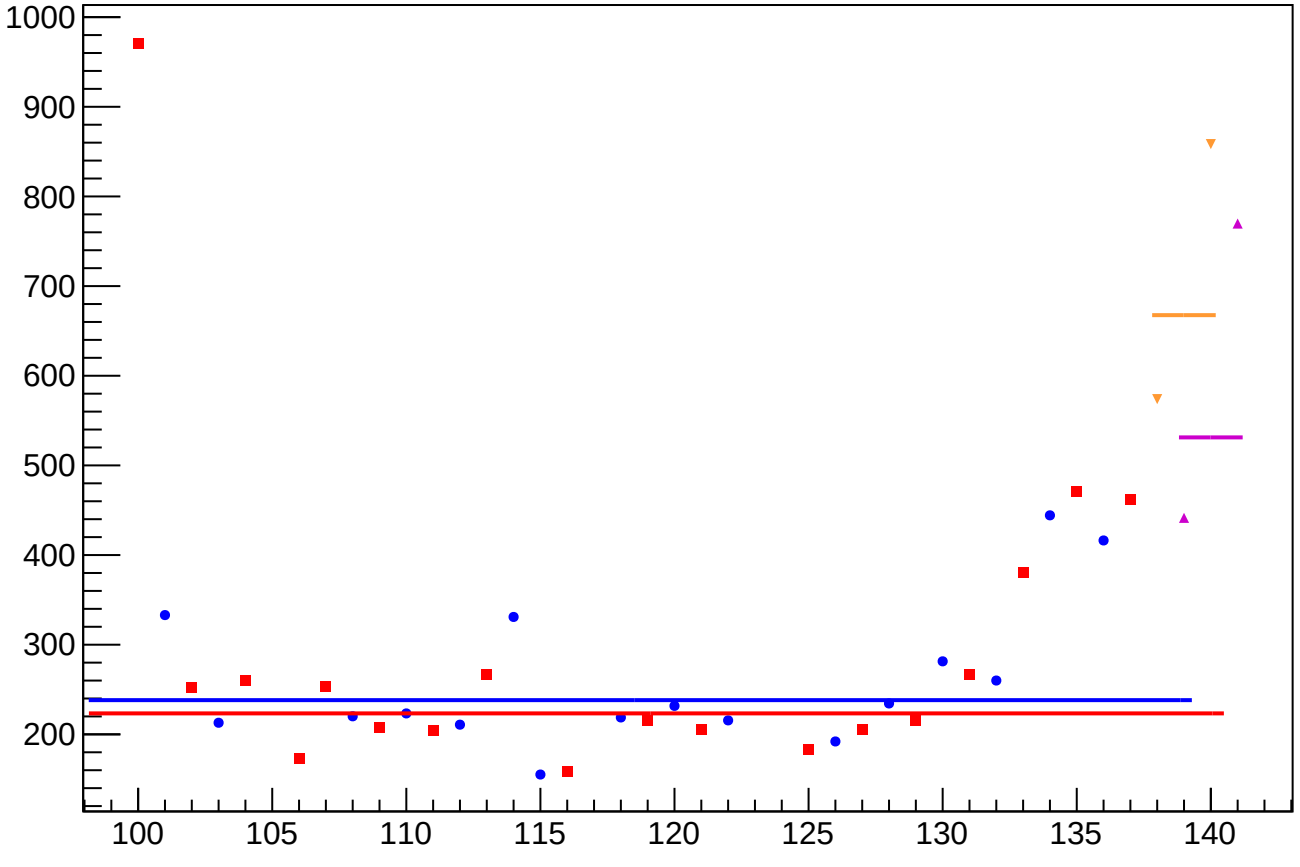
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.070+/-0.092 χ^2/NDF:19.0/17

Out: 0.111+/-0.089 χ^2/NDF:26.7/19

All: 0.023+/-0.064 χ^2/NDF: 47.7/37

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 667.598+/-0.385 χ^2/NDF:120614.1/1

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 531.241+/-0.304 χ^2/NDF:231024.9/1

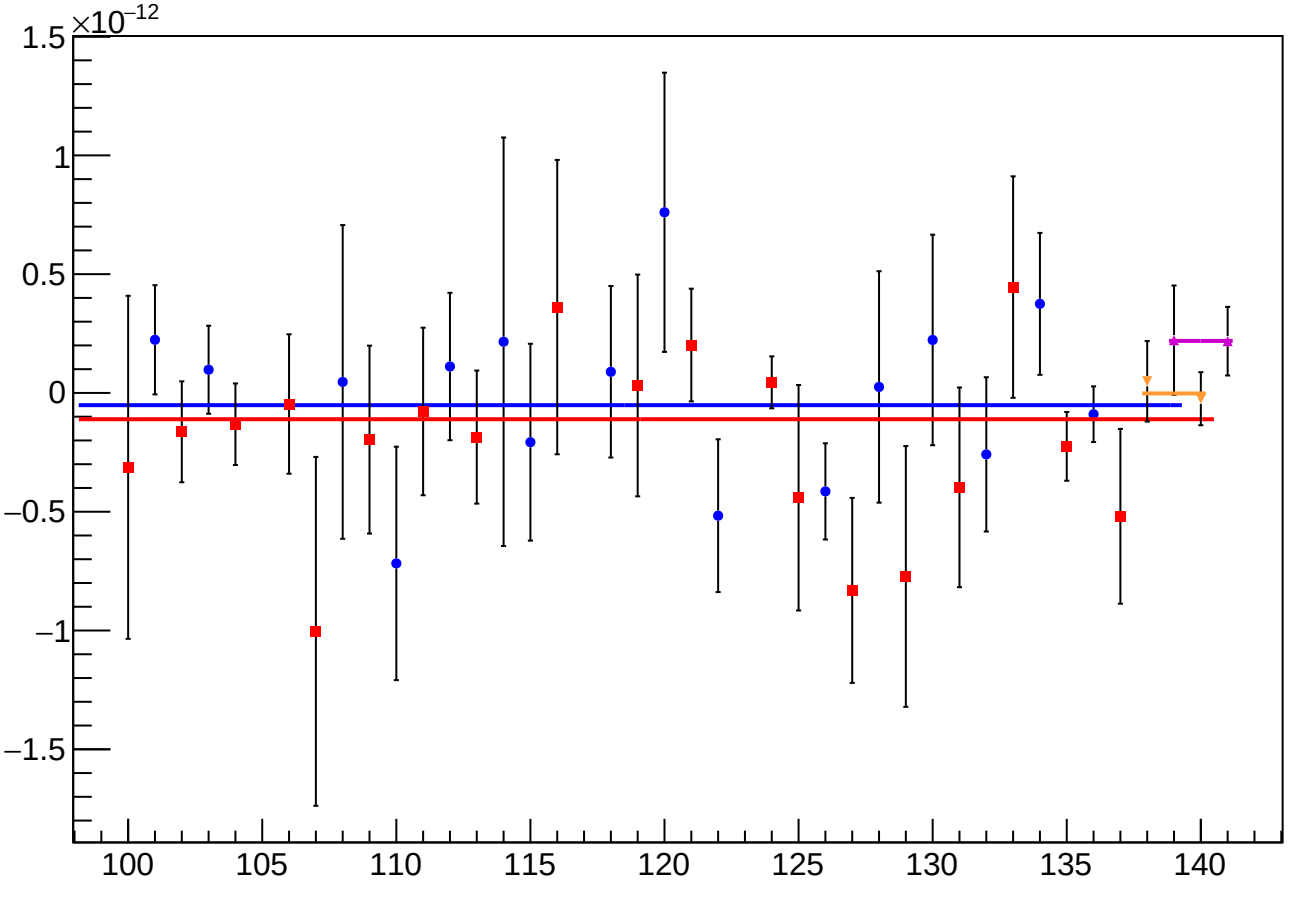
Left: 583.698+/-0.239 χ^2/NDF: 428849.1/3

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 251.451+/-0.065 χ^2/NDF:1923322.6/17

Out: 235.217+/-0.063 χ^2/NDF:2279221.9/19

All: 243.081+/-0.045 χ^2/NDF: 4234903.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

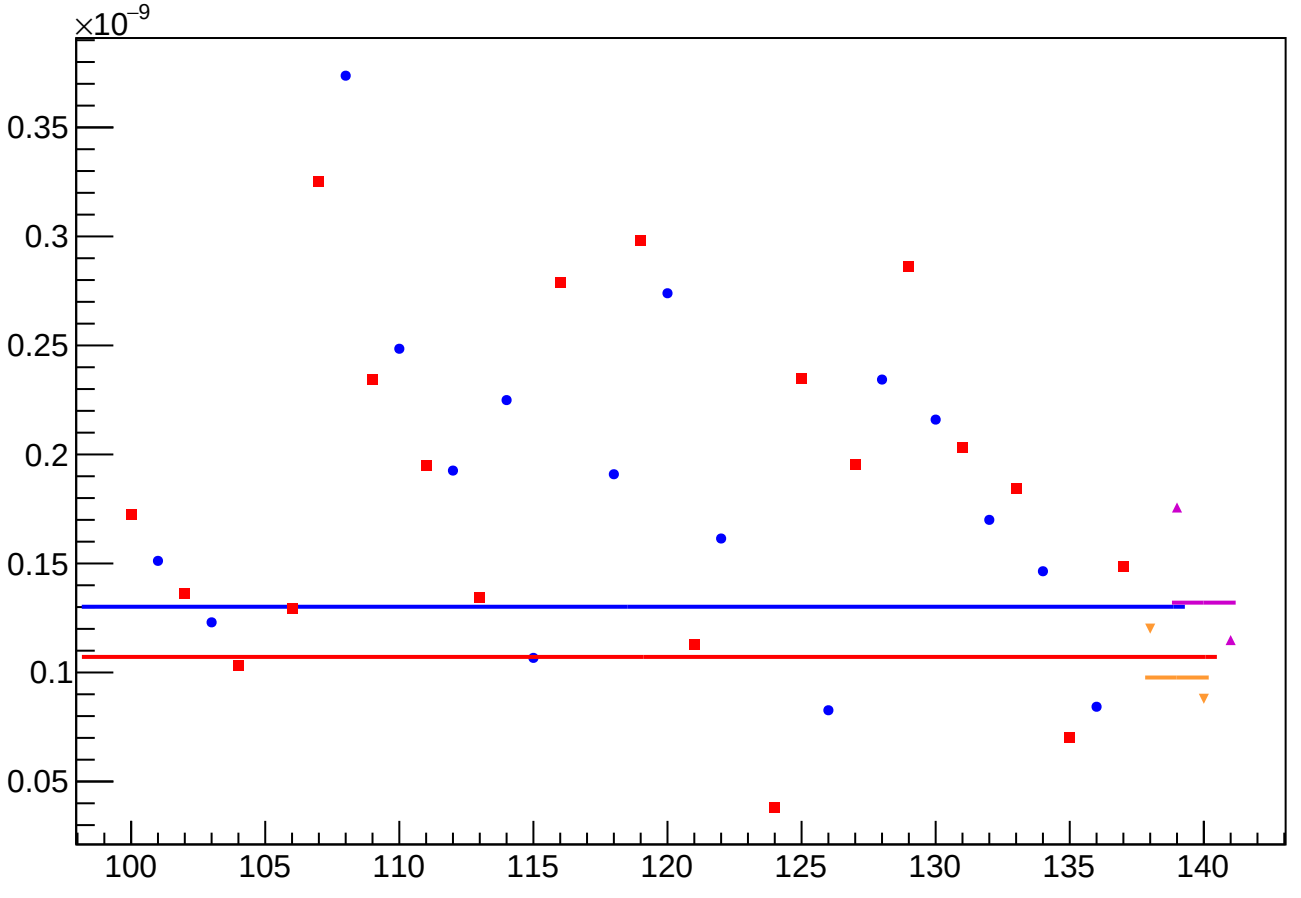
Left: 0.000+/-0.000 χ^2/NDF: 2.2/3

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: 0.000+/-0.000 χ^2/NDF:18.5/17

Out: -0.000+/-0.000 χ^2/NDF:16.4/20

All: -0.000+/-0.000 χ^2/NDF: 36.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:50287.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:100143.7/1

Left: 0.000+/-0.000 χ^2/NDF: 250123.6/3

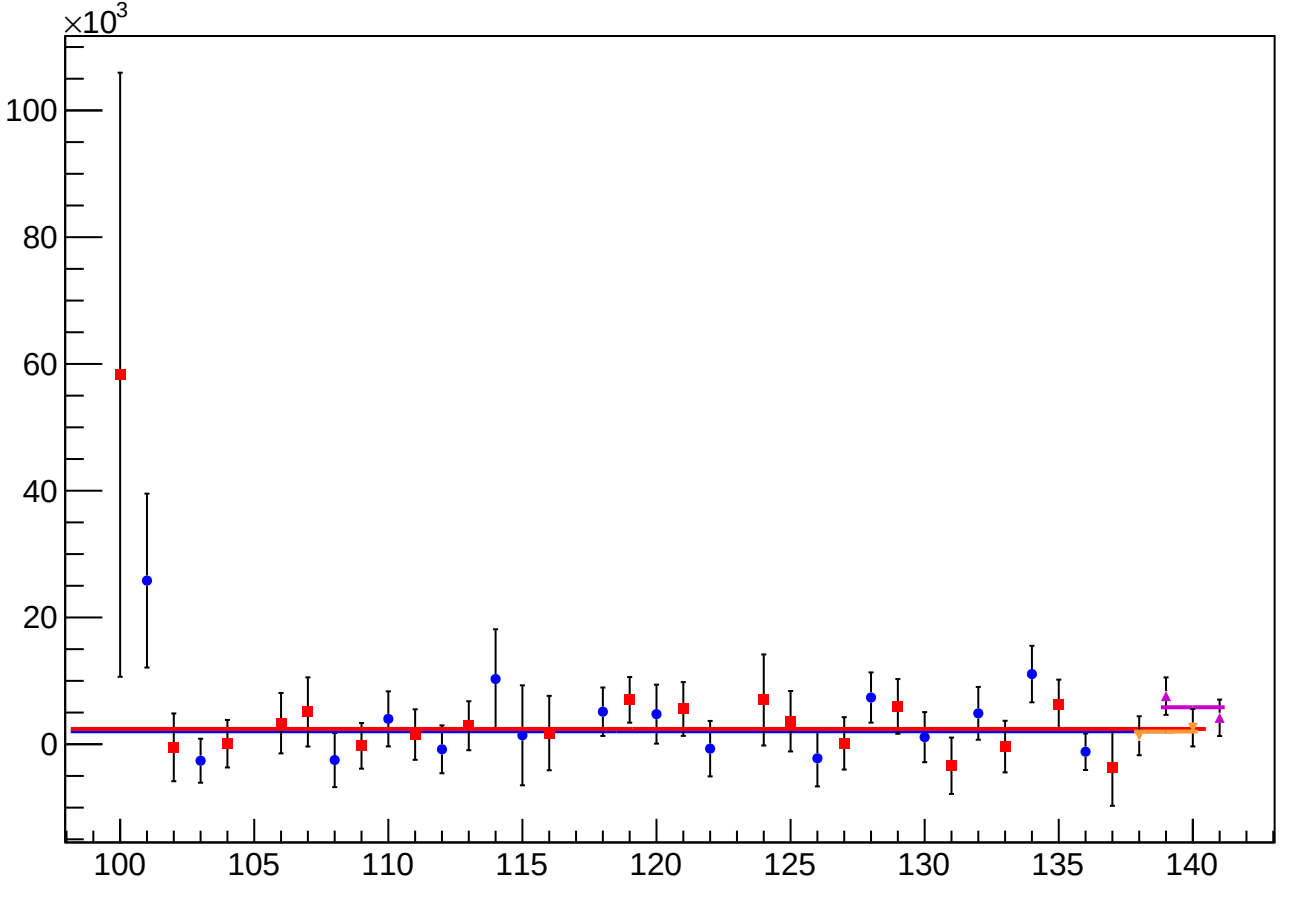
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:1434772.6/17

Out: 0.000+/-0.000 χ^2/NDF:2721114.6/20

All: 0.000+/-0.000 χ^2/NDF: 4384663.9/38

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1997.699+/-2127.695 χ^2/NDF:0.1/1

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 5833.176+/-2059.981 χ^2/NDF:0.7/1

Left: 3977.440+/-1479.987 χ^2/NDF: 2.5/3

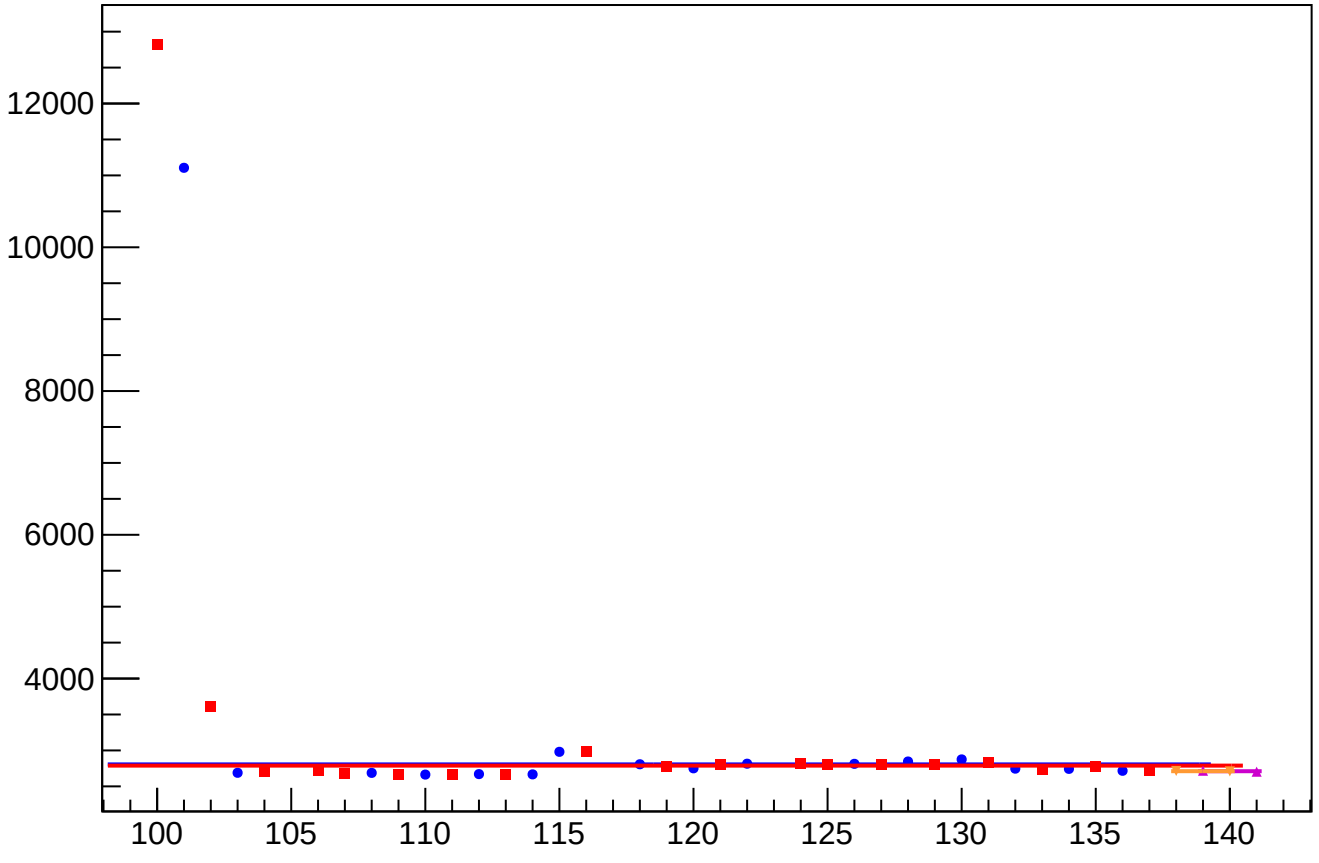
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2853.896+/-949.823 χ^2/NDF:21.1/17

Out: 2332.551+/-931.067 χ^2/NDF:10.9/20

All: 2588.025+/-664.896 χ^2/NDF: 32.2/38

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2711.220+/-1.505 χ^2/NDF:4.2/1

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2710.852+/-1.457 χ^2/NDF:21.6/1

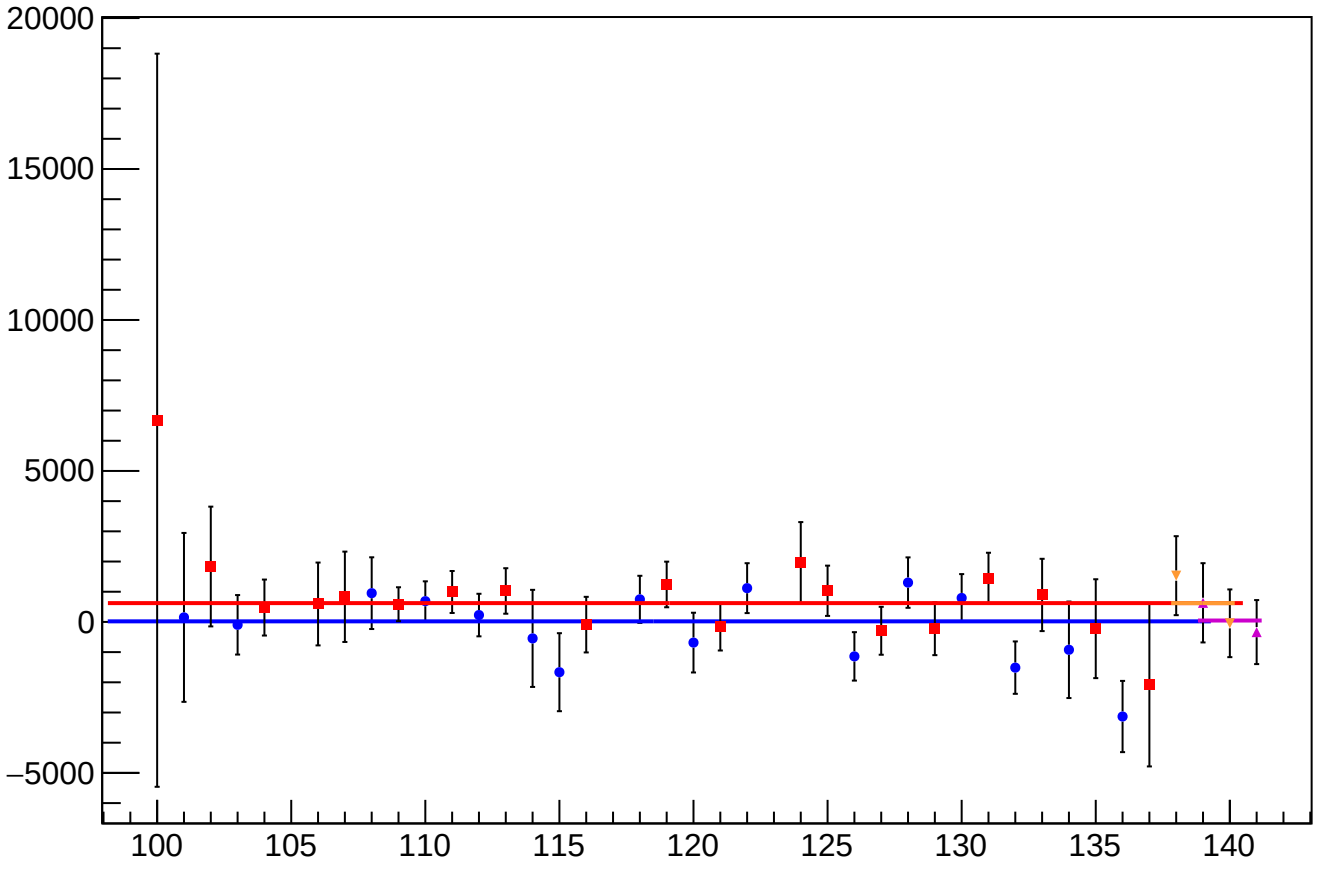
Left: 2711.030+/-1.047 χ^2/NDF: 25.9/3

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2785.335+/-0.672 χ^2/NDF:749582.9/17

Out: 2773.961+/-0.658 χ^2/NDF:149153.5/20

All: 2779.535+/-0.470 χ^2/NDF: 898882.6/38



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: 622.954+/-851.340 χ^2/NDF:0.8/1

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 46.234+/-824.664 χ^2/NDF:0.3/1

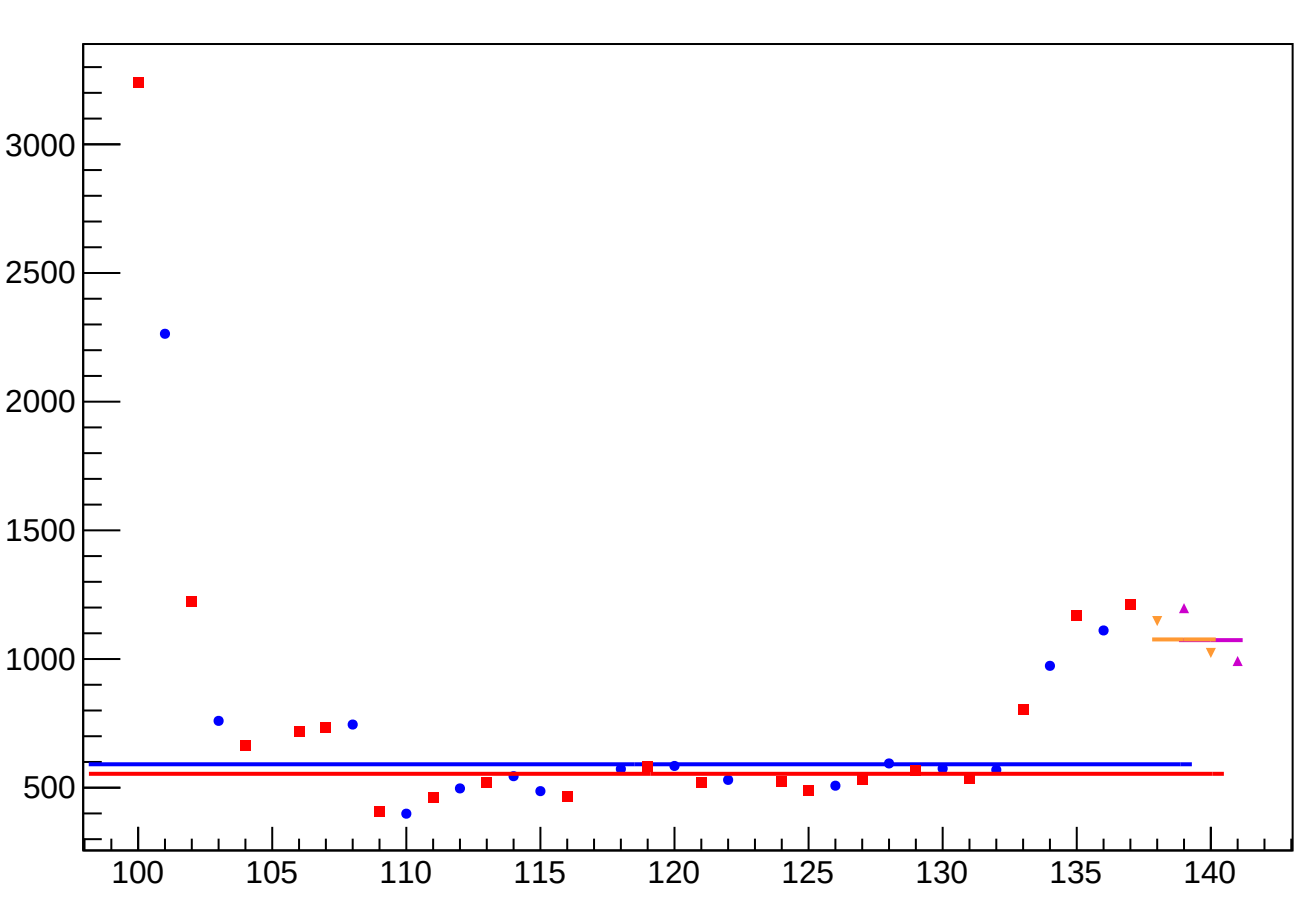
Left: 325.417+/-592.332 χ^2/NDF: 1.4/3

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 21.003+/-224.652 χ^2/NDF:23.1/17

Out: 623.098+/-209.319 χ^2/NDF:10.1/20

All: 343.298+/-153.145 χ^2/NDF: 37.0/38



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 1076.100+/-0.602 χ^2/NDF:10335.9/1

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 1073.429+/-0.583 χ^2/NDF:29642.3/1

Left: 1074.722+/-0.419 χ^2/NDF: 39988.4/3

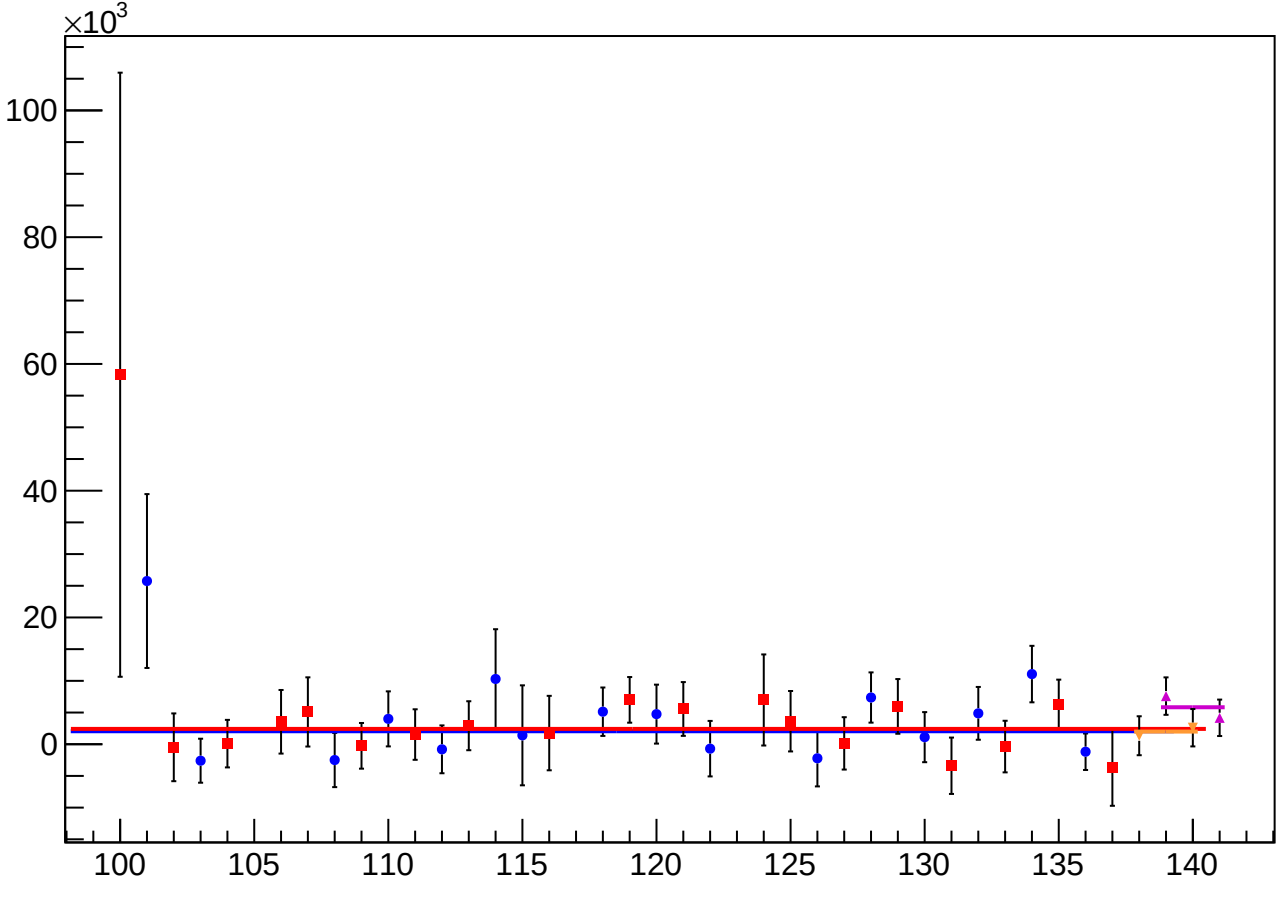
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 626.840+/-0.159 χ^2/NDF:2230857.2/17

Out: 585.545+/-0.148 χ^2/NDF:1834025.7/20

All: 604.735+/-0.108 χ^2/NDF: 4101055.9/38

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1997.724+/-2127.695 χ^2/NDF:0.1/1

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 5833.655+/-2059.981 χ^2/NDF:0.7/1

Left: 3977.700+/-1479.987 χ^2/NDF: 2.5/3

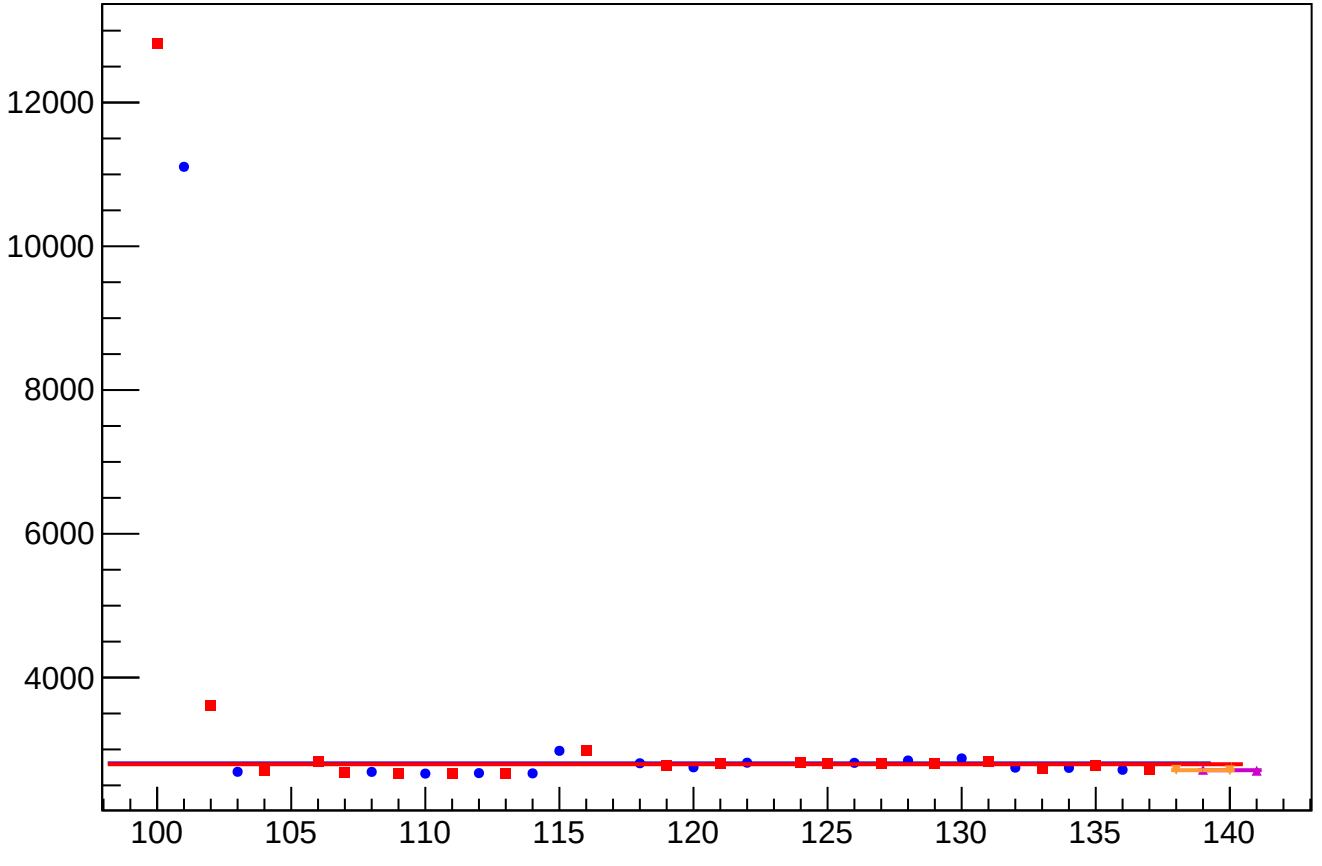
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2853.363+/-949.823 χ^2/NDF:21.1/17

Out: 2337.149+/-932.800 χ^2/NDF:10.9/20

All: 2590.589+/-665.526 χ^2/NDF: 32.2/38

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2711.220+/-1.505 χ^2/NDF:4.2/1

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2710.852+/-1.457 χ^2/NDF:21.6/1

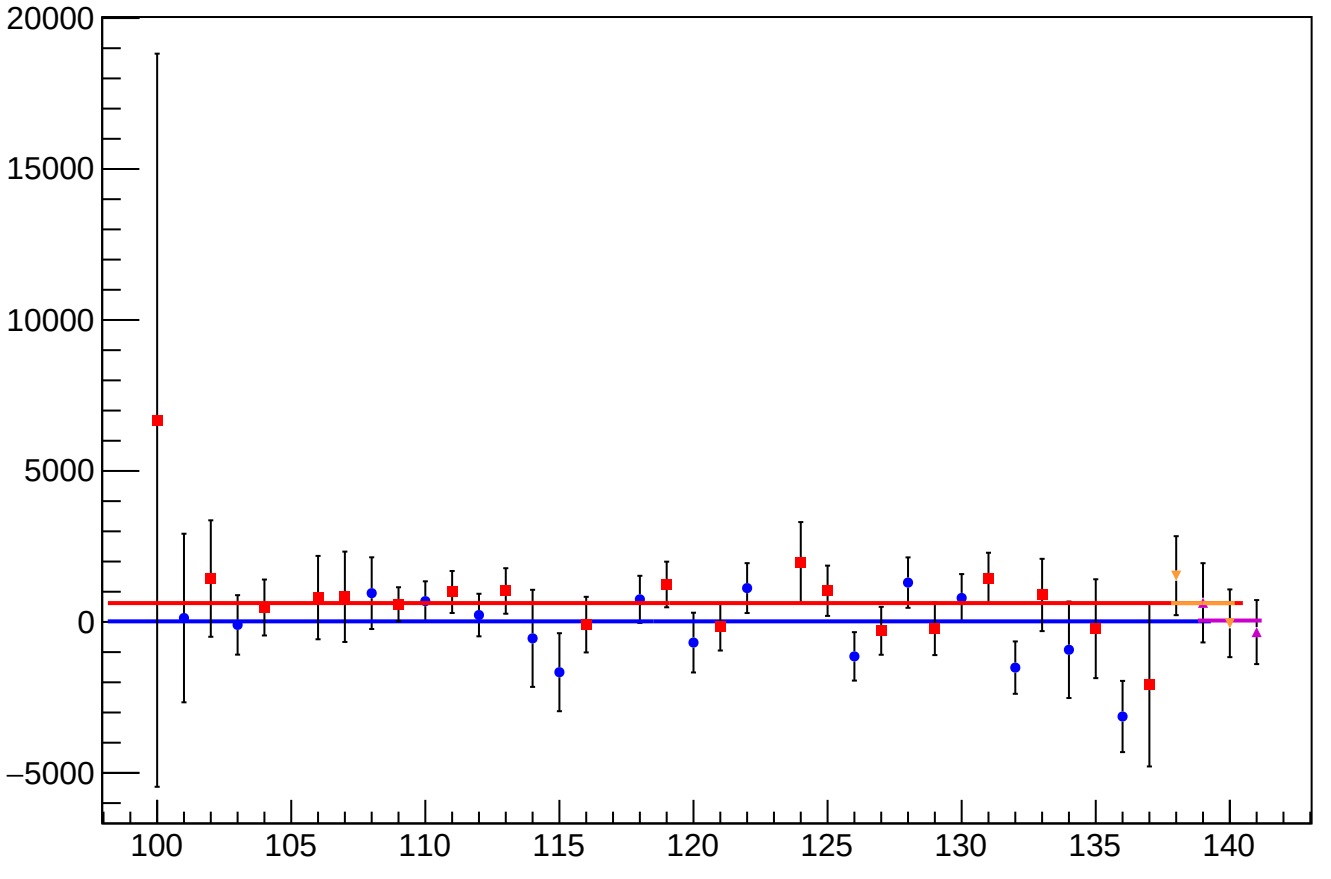
Left: 2711.030+/-1.047 χ^2/NDF: 25.9/3

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2785.335+/-0.672 χ^2/NDF:749582.0/17

Out: 2778.216+/-0.660 χ^2/NDF:149203.3/20

All: 2781.711+/-0.471 χ^2/NDF: 898842.5/38



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 622.862+/-851.341 χ^2/NDF:0.8/1

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 46.191+/-824.659 χ^2/NDF:0.3/1

Left: 325.349+/-592.330 χ^2/NDF: 1.4/3

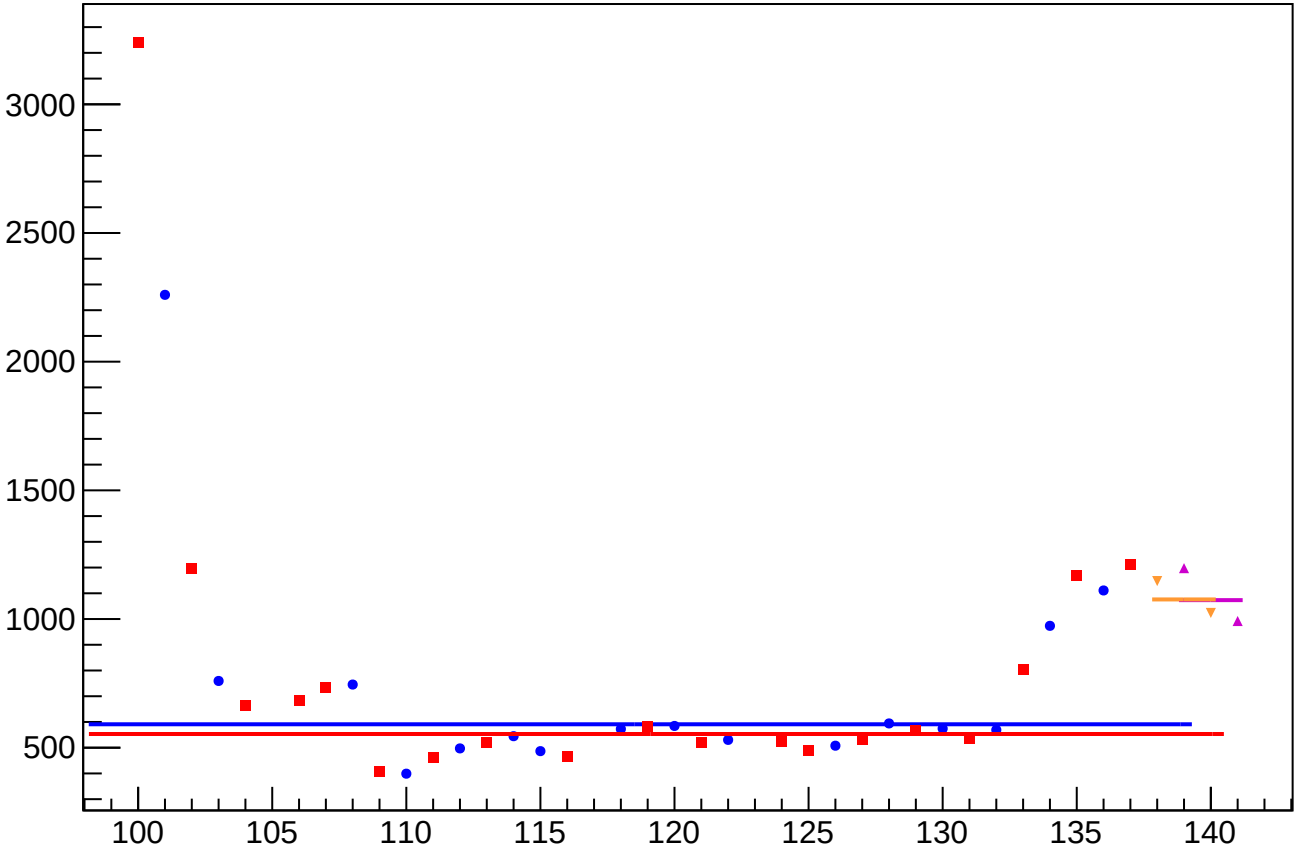
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 20.962+/-224.642 χ^2/NDF:23.1/17

Out: 624.135+/-209.277 χ^2/NDF:9.9/20

All: 343.880+/-153.125 χ^2/NDF: 36.9/38

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1076.098+/-0.602 χ^2/NDF:10335.4/1

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 1073.419+/-0.583 χ^2/NDF:29650.2/1

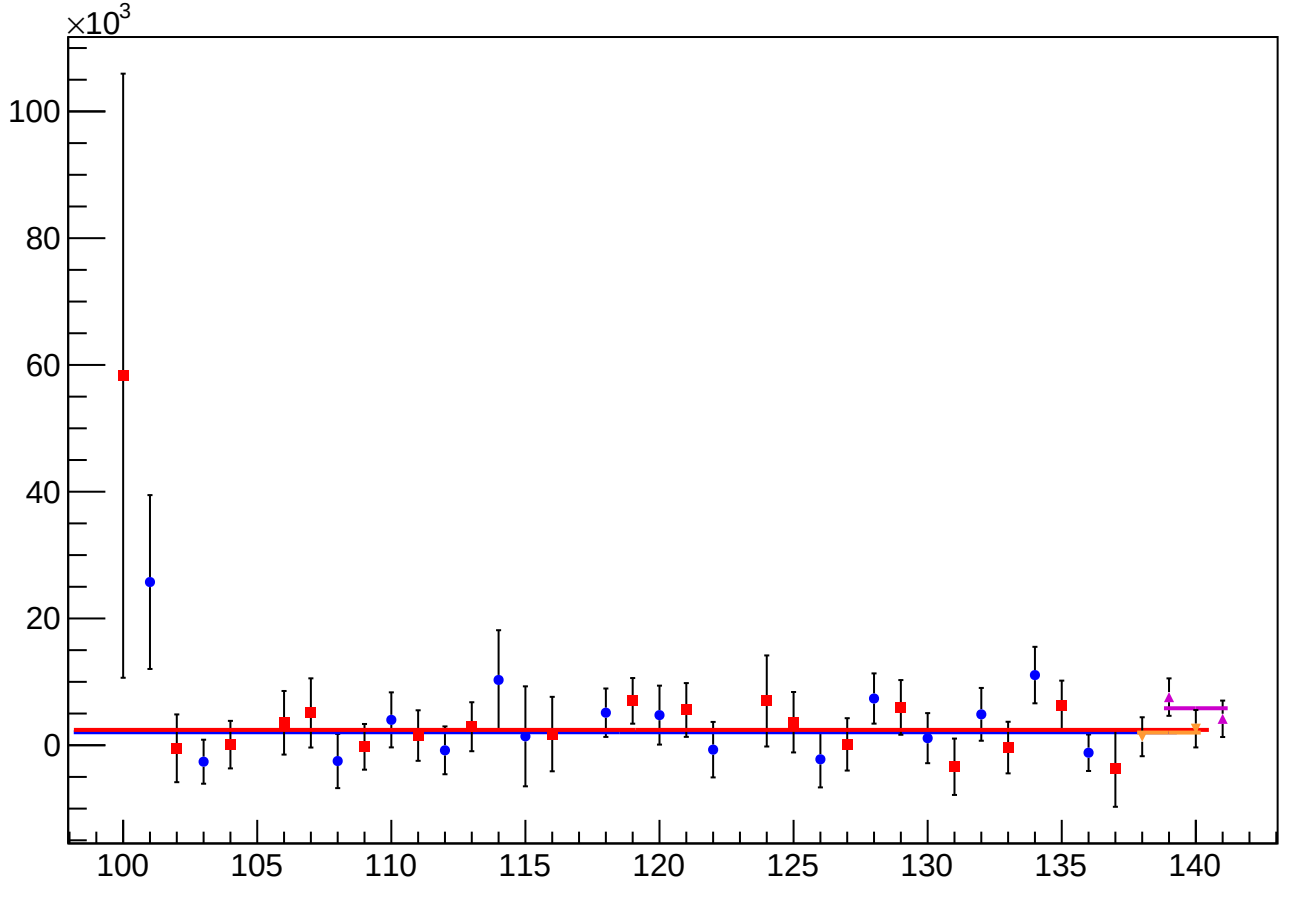
Left: 1074.716+/-0.419 χ^2/NDF: 39995.8/3

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 626.834+/-0.159 χ^2/NDF:2229825.6/17

Out: 584.828+/-0.148 χ^2/NDF:1820802.2/20

All: 604.346+/-0.108 χ^2/NDF: 4088066.5/38



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1997.724+/-2127.695 χ^2/NDF:0.1/1

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 5833.655+/-2059.981 χ^2/NDF:0.7/1

Left: 3977.700+/-1479.987 χ^2/NDF: 2.5/3

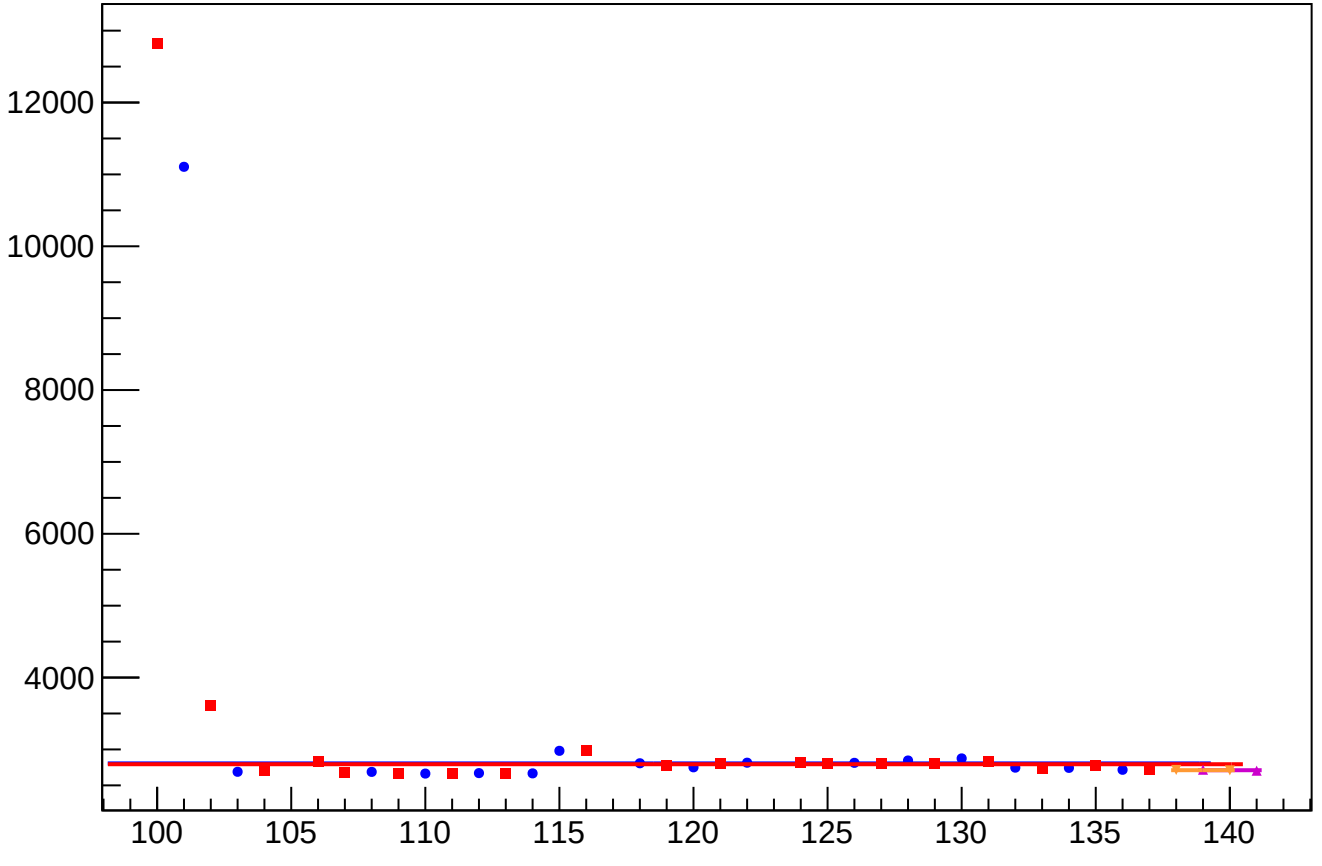
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2853.363+/-949.823 χ^2/NDF:21.1/17

Out: 2337.149+/-932.800 χ^2/NDF:10.9/20

All: 2590.589+/-665.526 χ^2/NDF: 32.2/38

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2711.220+/-1.505 χ^2/NDF:4.2/1

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2710.852+/-1.457 χ^2/NDF:21.6/1

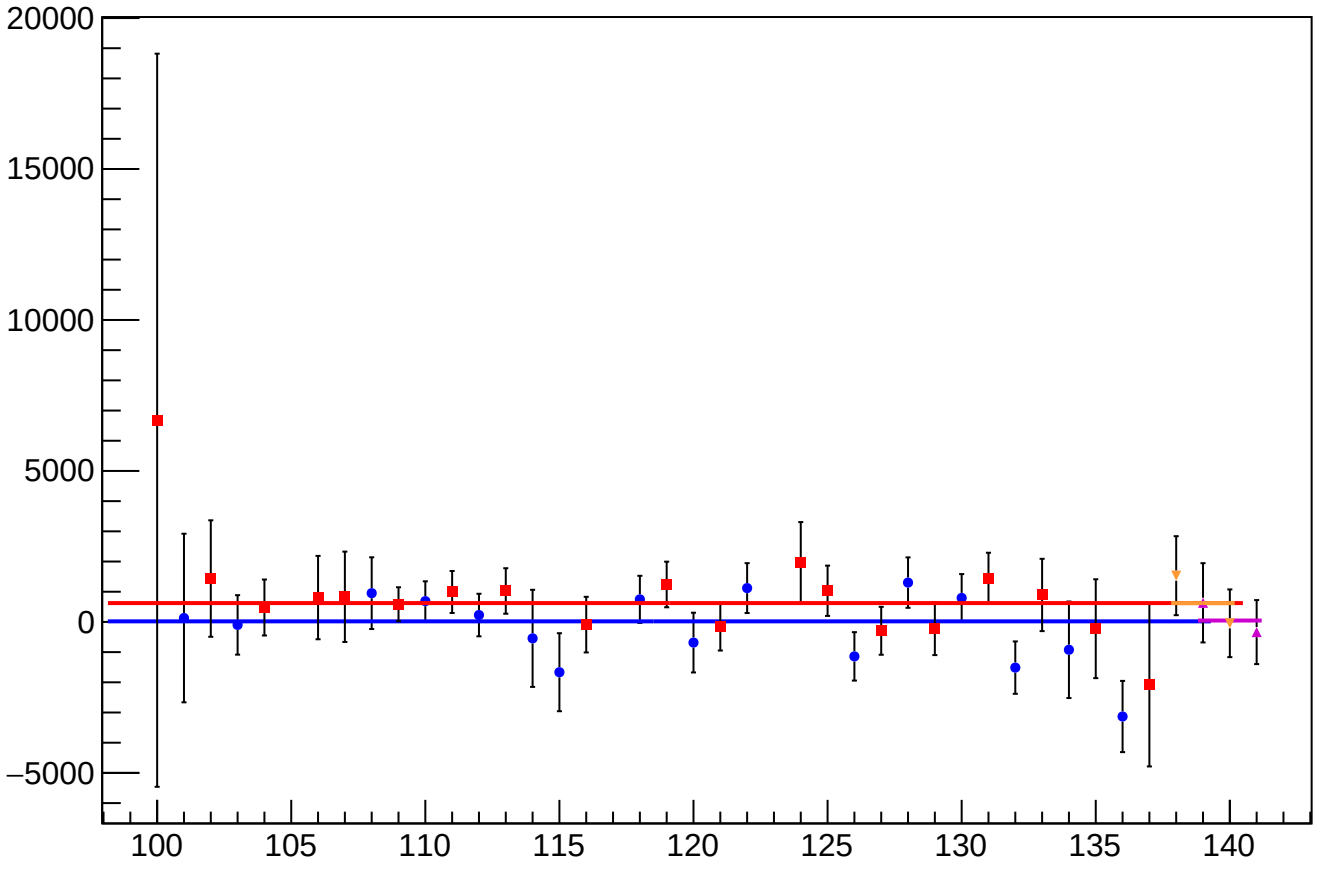
Left: 2711.030+/-1.047 χ^2/NDF: 25.9/3

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2785.335+/-0.672 χ^2/NDF:749582.0/17

Out: 2778.216+/-0.660 χ^2/NDF:149203.3/20

All: 2781.711+/-0.471 χ^2/NDF: 898842.5/38



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 622.862+/-851.341 χ^2/NDF:0.8/1

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 46.191+/-824.659 χ^2/NDF:0.3/1

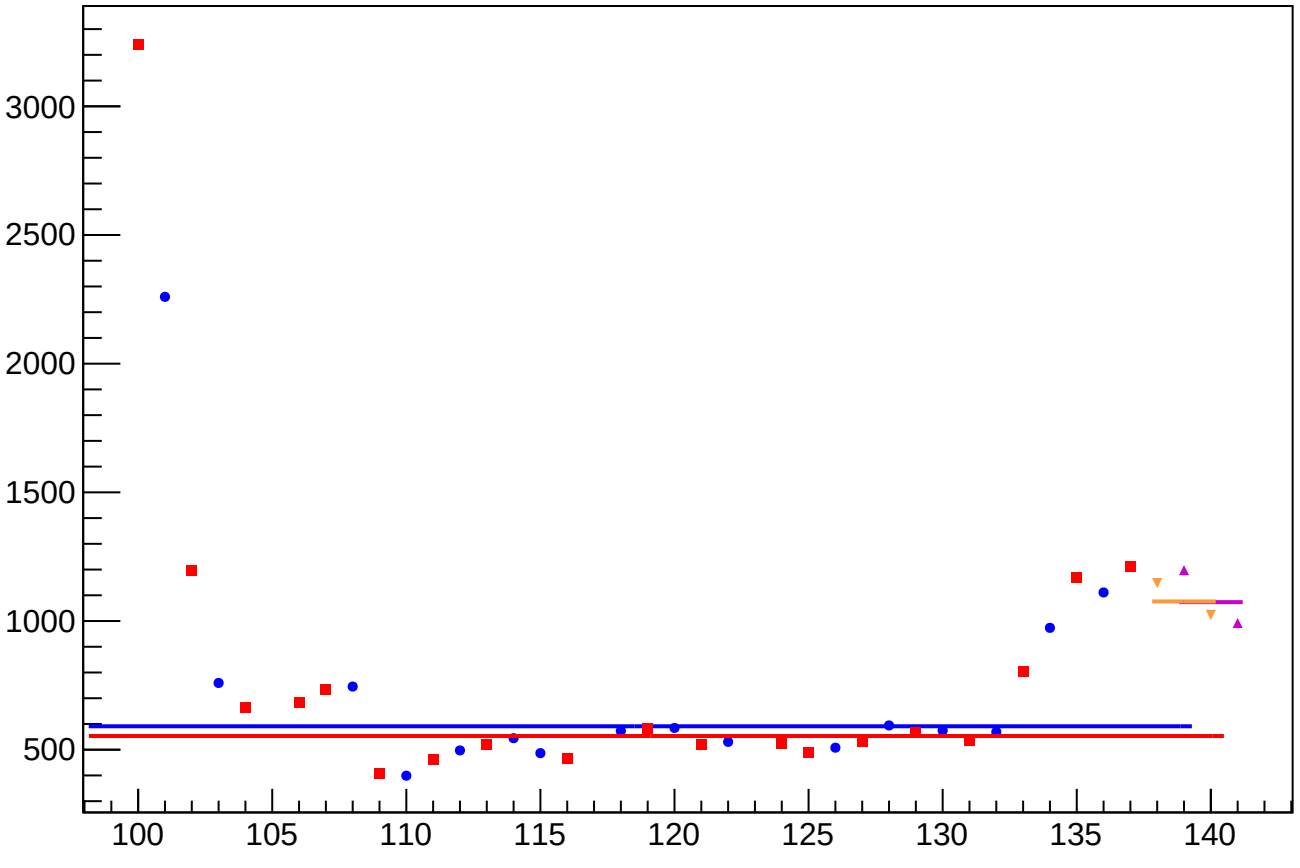
Left: 325.349+/-592.330 χ^2/NDF: 1.4/3

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 20.962+/-224.642 χ^2/NDF:23.1/17

Out: 624.135+/-209.277 χ^2/NDF:9.9/20

All: 343.880+/-153.125 χ^2/NDF: 36.9/38



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1076.098+/-0.602 χ^2/NDF:10335.4/1

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 1073.419+/-0.583 χ^2/NDF:29650.2/1

Left: 1074.716+/-0.419 χ^2/NDF: 39995.8/3

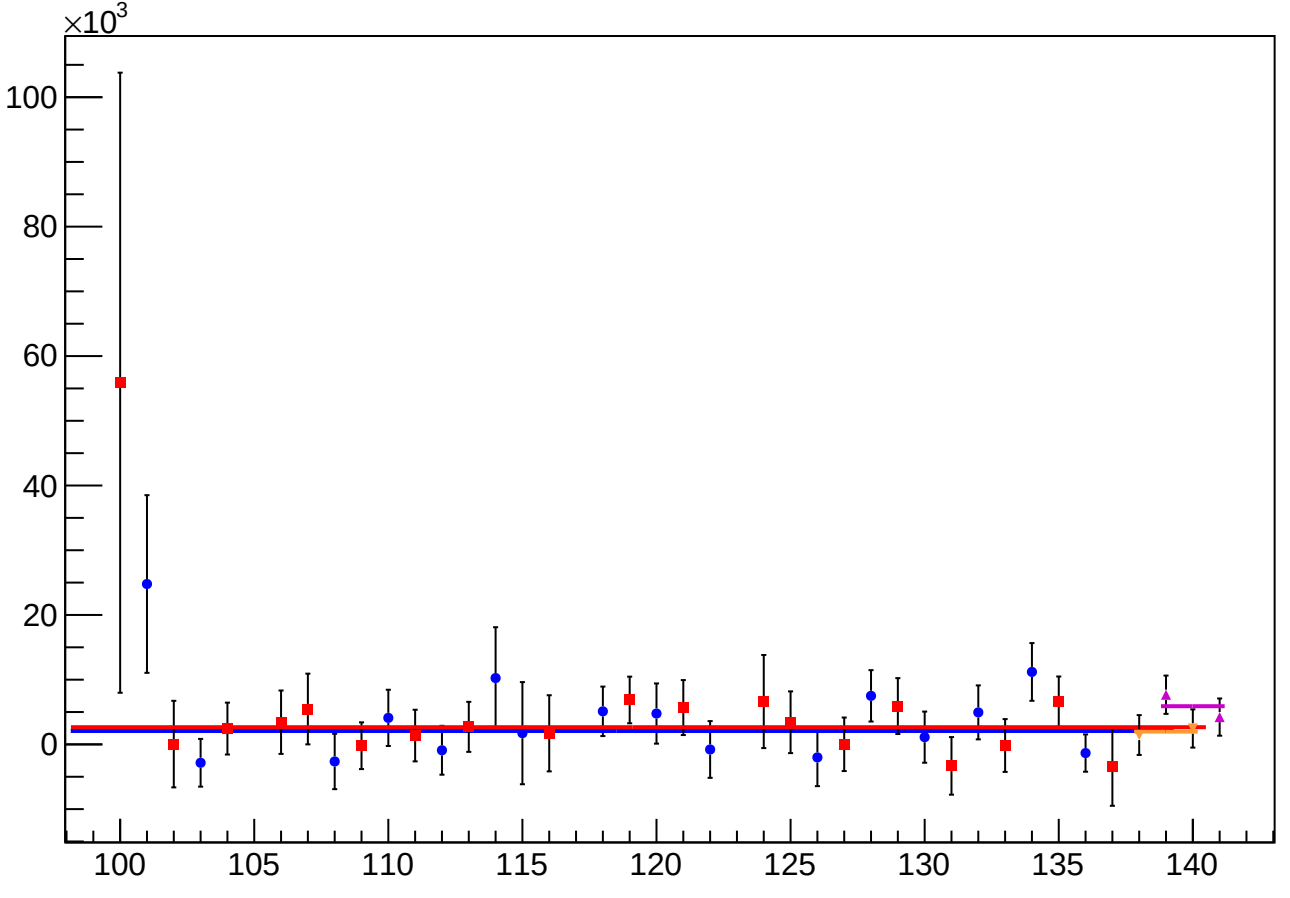
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 626.834+/-0.159 χ^2/NDF:2229825.6/17

Out: 584.828+/-0.148 χ^2/NDF:1820802.2/20

All: 604.346+/-0.108 χ^2/NDF: 4088066.5/38

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1973.455+/-2129.893 χ^2/NDF:0.1/1

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 5899.535+/-2062.153 χ^2/NDF:0.7/1

Left: 3999.920+/-1481.532 χ^2/NDF: 2.5/3

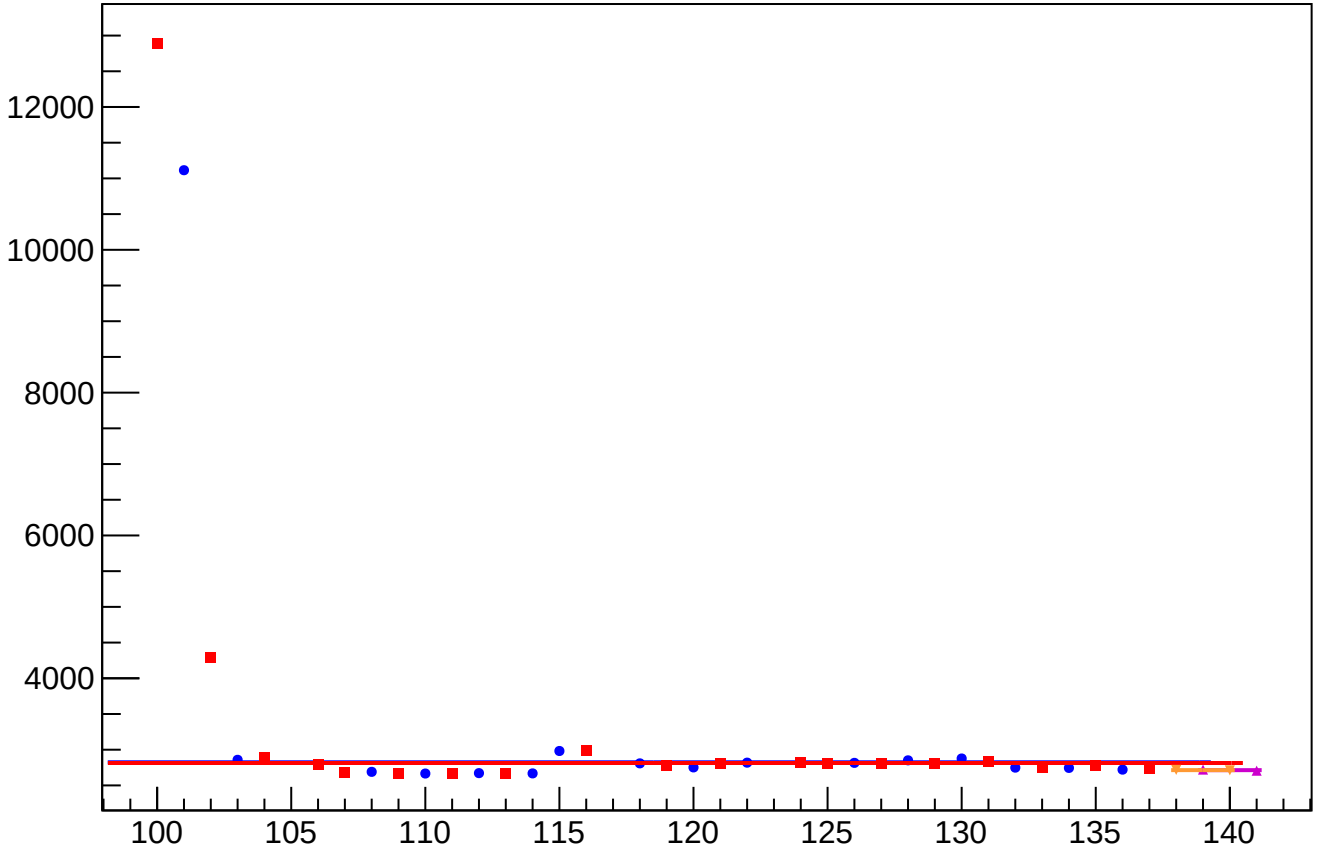
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2894.668+/-954.771 χ^2/NDF:21.3/17

Out: 2523.626+/-941.682 χ^2/NDF:10.1/20

All: 2706.586+/-670.449 χ^2/NDF: 31.4/38

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2714.010+/-1.506 χ^2/NDF:4.1/1

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2713.653+/-1.458 χ^2/NDF:28.0/1

Left: 2713.826+/-1.048 χ^2/NDF: 32.1/3

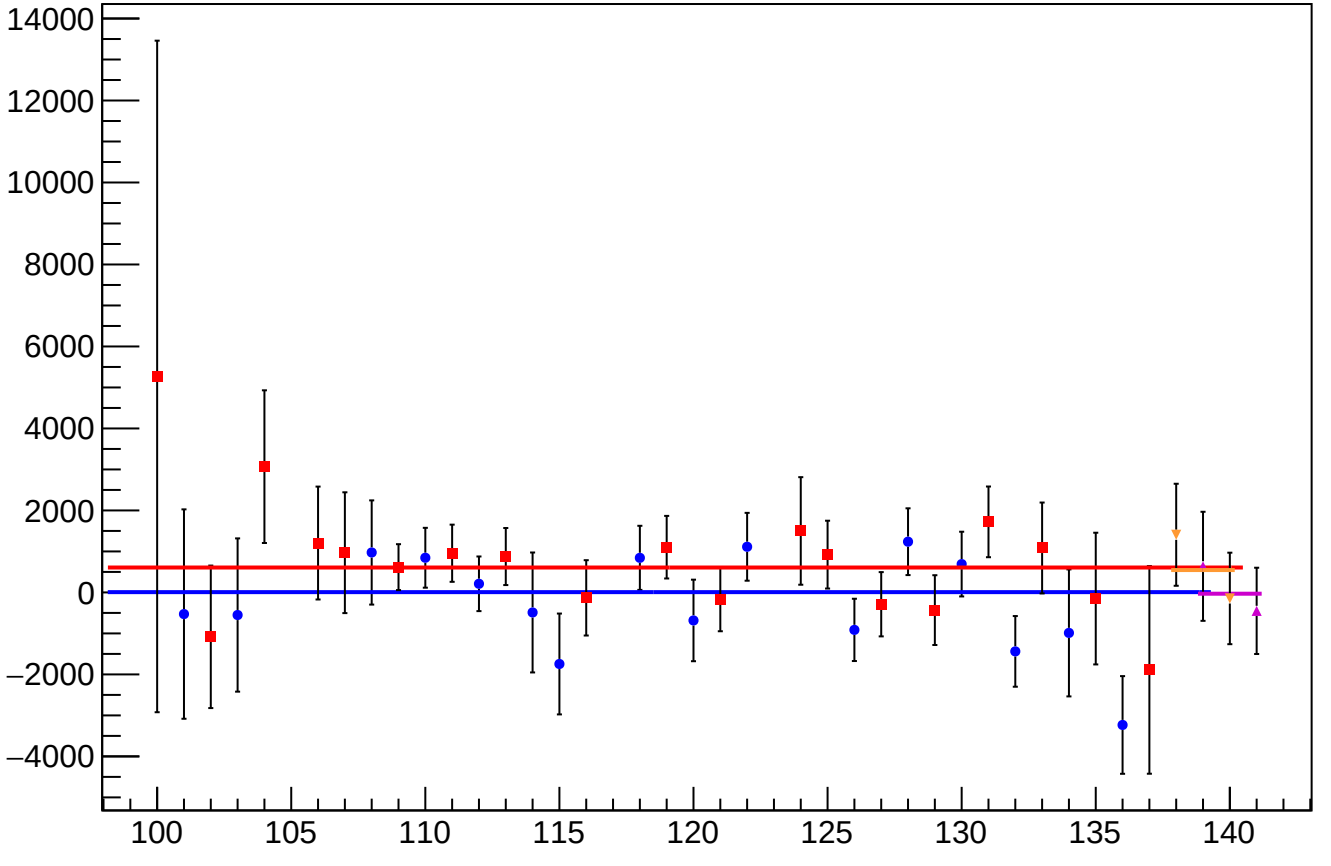
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2799.912+/-0.675 χ^2/NDF:748398.3/17

Out: 2794.311+/-0.666 χ^2/NDF:204049.6/20

All: 2797.073+/-0.474 χ^2/NDF: 952482.8/38

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: 545.747+/-830.796 χ^2/NDF:0.9/1

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: -31.400+/-825.320 χ^2/NDF:0.4/1

Left: 255.266+/-585.516 χ^2/NDF: 1.5/3

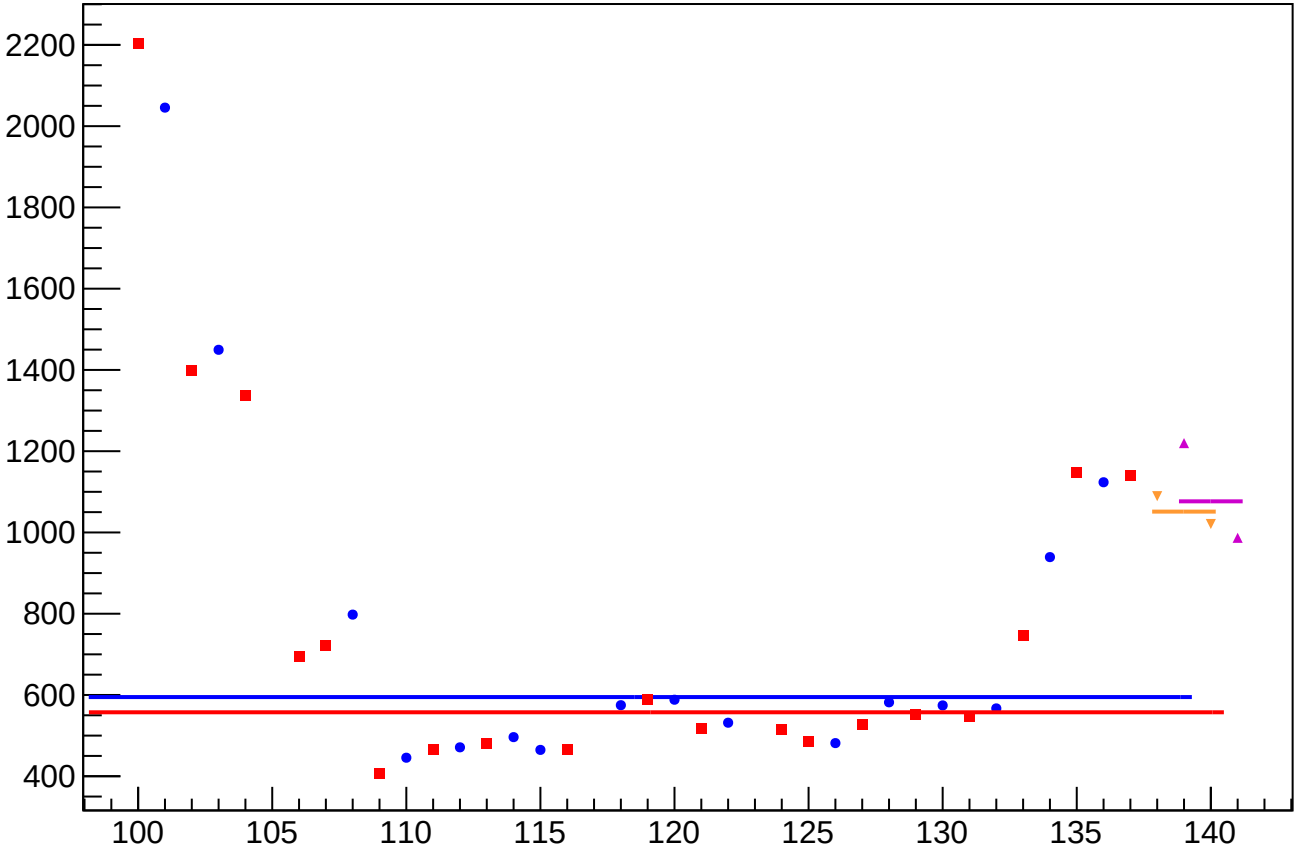
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 4.109+/-228.198 χ^2/NDF:23.2/17

Out: 603.690+/-210.041 χ^2/NDF:13.0/20

All: 328.699+/-154.542 χ^2/NDF: 40.0/38

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 1051.314+/-0.587 χ^2/NDF:3356.1/1

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 1076.589+/-0.584 χ^2/NDF:37758.5/1

Left: 1064.035+/-0.414 χ^2/NDF: 42046.2/3

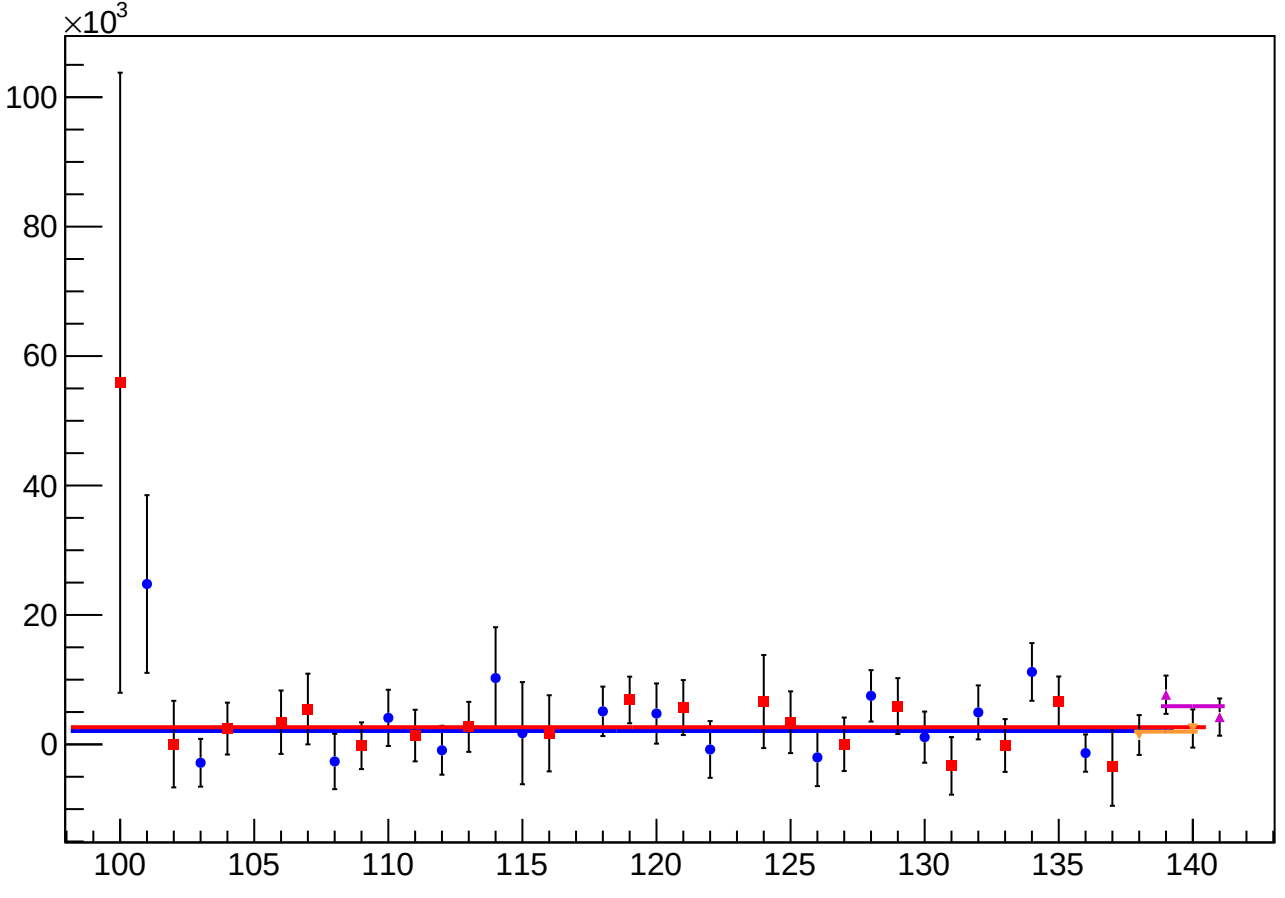
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 631.686+/-0.161 χ^2/NDF:2519709.3/17

Out: 588.967+/-0.149 χ^2/NDF:2296369.6/20

All: 608.560+/-0.109 χ^2/NDF: 4854022.5/38

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1973.456+/-2129.893 χ^2/NDF:0.1/1

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 5899.533+/-2062.153 χ^2/NDF:0.7/1

Left: 3999.920+/-1481.532 χ^2/NDF: 2.5/3

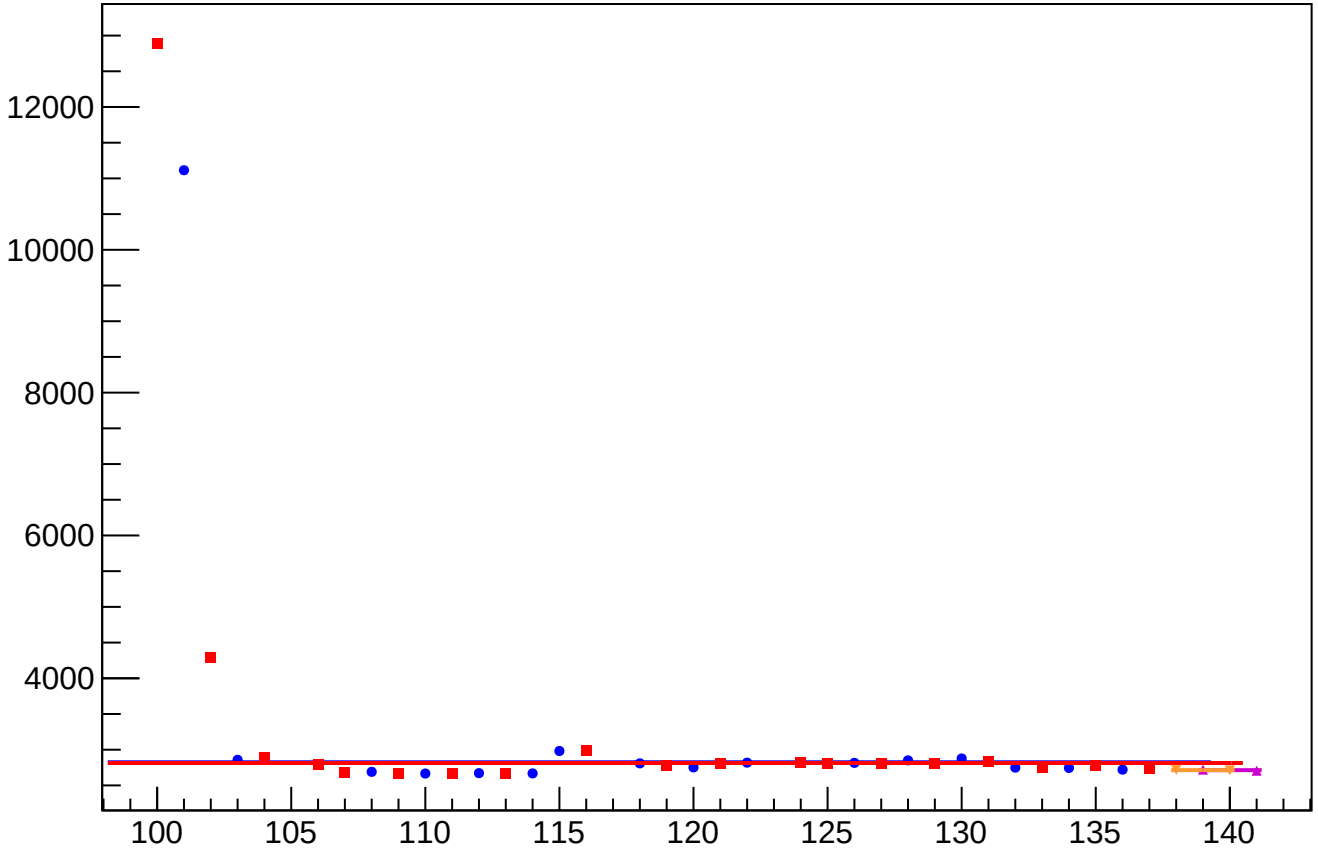
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2894.667+/-954.771 χ^2/NDF:21.3/17

Out: 2523.625+/-941.682 χ^2/NDF:10.1/20

All: 2706.585+/-670.449 χ^2/NDF: 31.4/38

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2714.010+/-1.506 χ^2/NDF:4.1/1

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2713.653+/-1.458 χ^2/NDF:28.0/1

Left: 2713.826+/-1.048 χ^2/NDF: 32.1/3

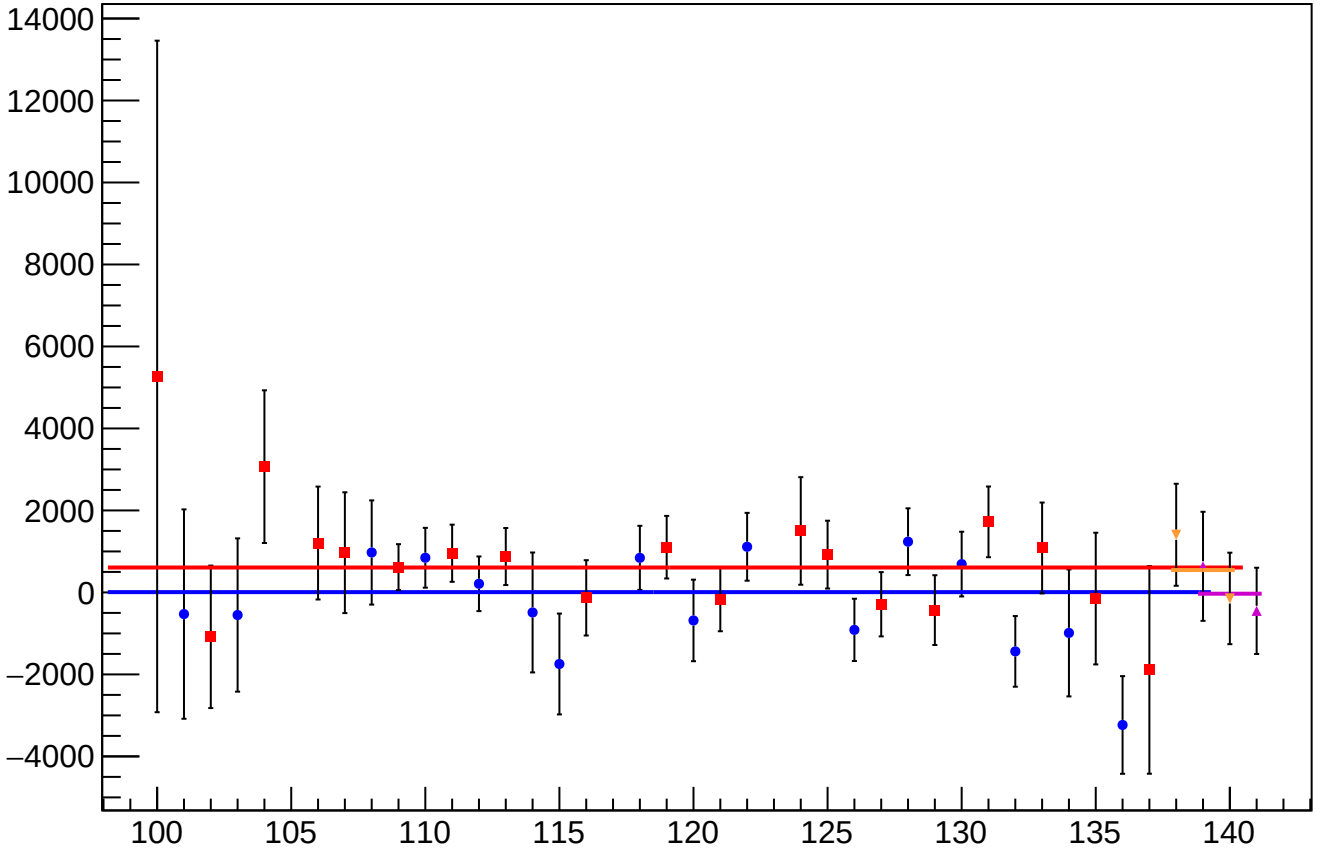
Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2799.912+/-0.675 χ^2/NDF:748398.3/17

Out: 2794.310+/-0.666 χ^2/NDF:204049.4/20

All: 2797.072+/-0.474 χ^2/NDF: 952482.5/38

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: 545.750+/-830.796 χ^2/NDF:0.9/1

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: -31.401+/-825.320 χ^2/NDF:0.4/1

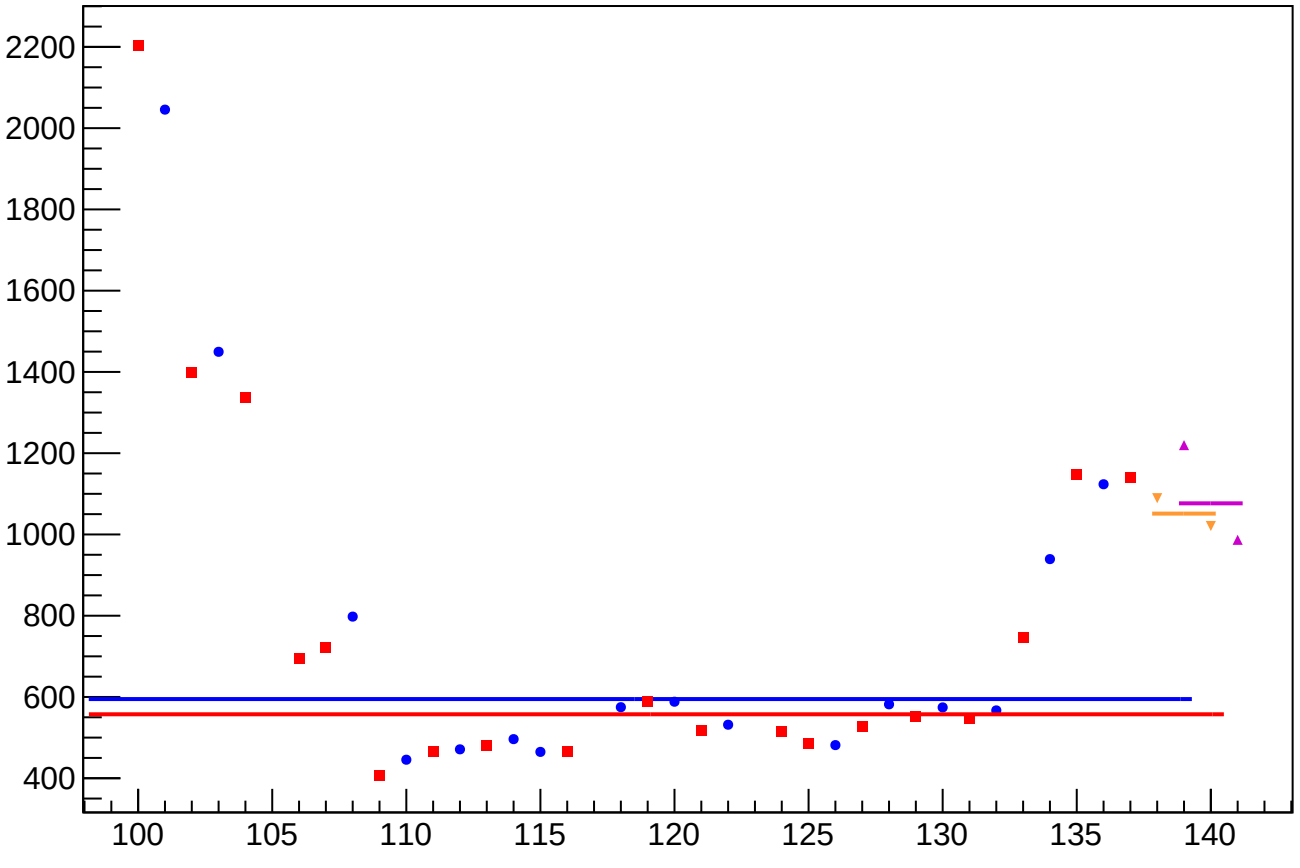
Left: 255.266+/-585.516 χ^2/NDF: 1.5/3

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 4.109+/-228.198 χ^2/NDF:23.2/17

Out: 603.691+/-210.041 χ^2/NDF:13.0/20

All: 328.699+/-154.542 χ^2/NDF: 40.0/38



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 1051.314+/-0.587 χ^2/NDF:3356.0/1

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 1076.589+/-0.584 χ^2/NDF:37758.2/1

Left: 1064.035+/-0.414 χ^2/NDF: 42045.8/3

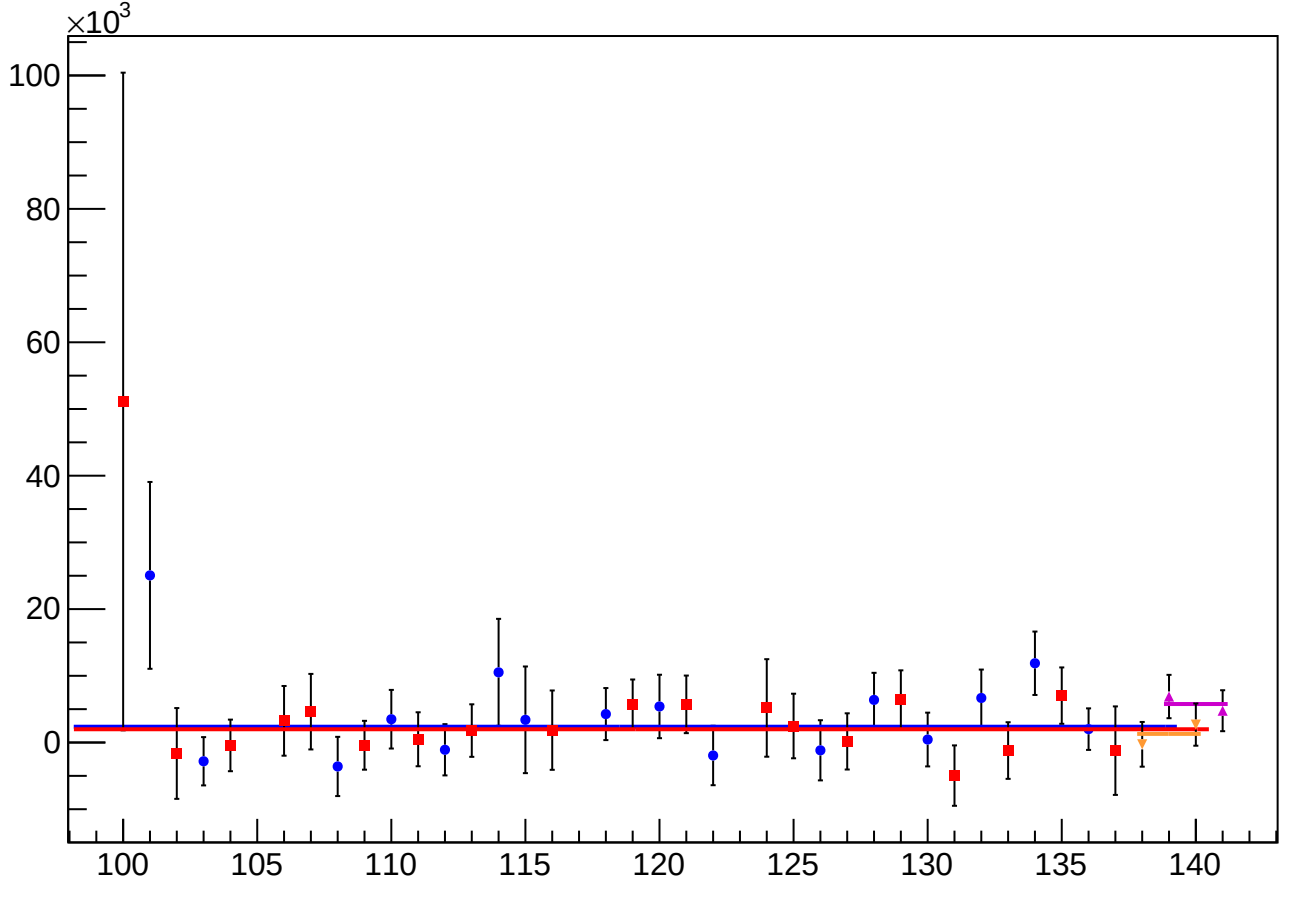
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 631.686+/-0.161 χ^2/NDF:2519702.2/17

Out: 588.967+/-0.149 χ^2/NDF:2296366.0/20

All: 608.560+/-0.109 χ^2/NDF: 4854012.3/38

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1292.032+/-2300.936 χ^2/NDF:0.4/1

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 5770.017+/-2231.318 χ^2/NDF:0.2/1

Left: 3599.793+/-1601.827 χ^2/NDF: 2.6/3

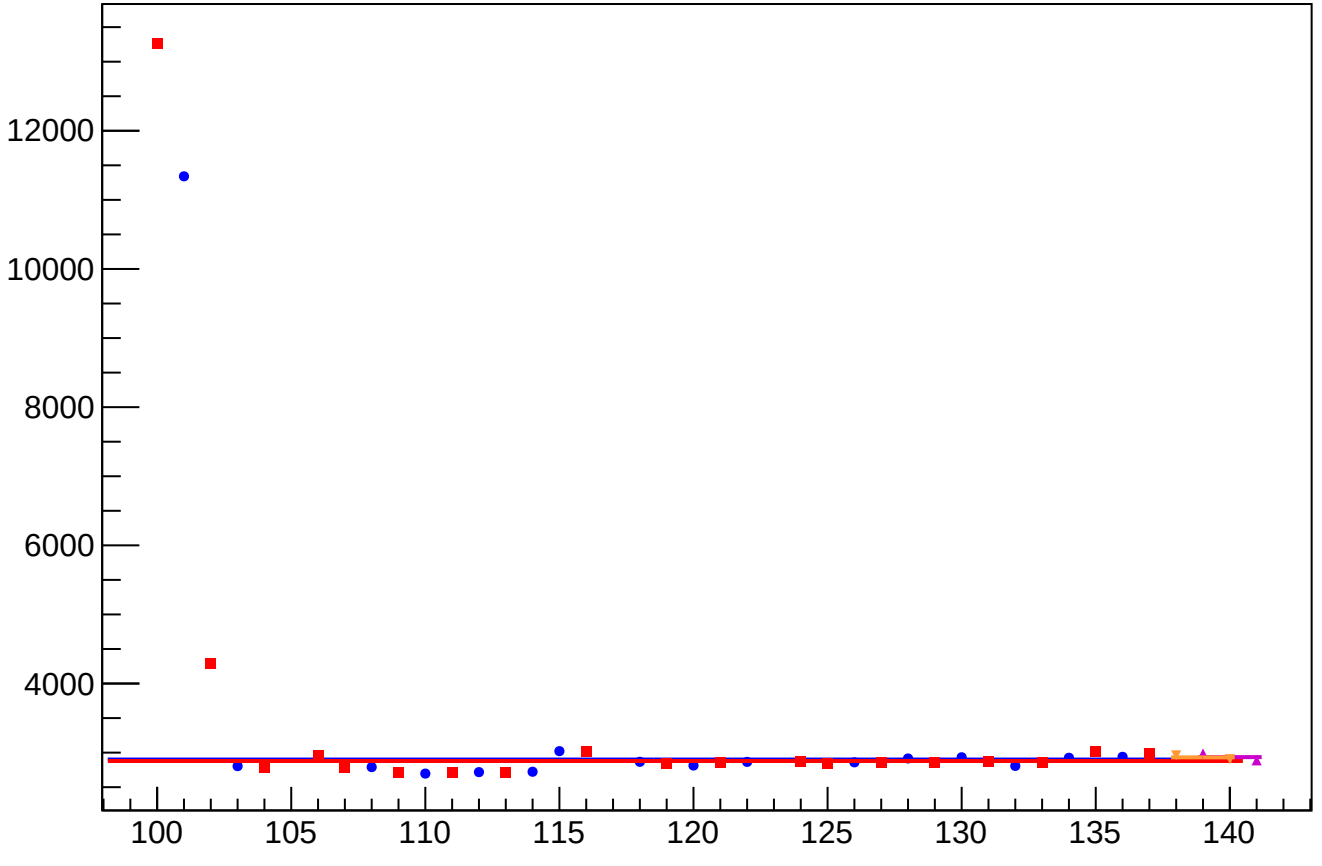
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 3038.521+/-991.092 χ^2/NDF:18.9/17

Out: 1862.457+/-974.178 χ^2/NDF:10.8/20

All: 2440.368+/-694.751 χ^2/NDF: 30.4/38

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2931.285+/-1.627 χ^2/NDF:287.2/1

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2935.087+/-1.578 χ^2/NDF:986.2/1

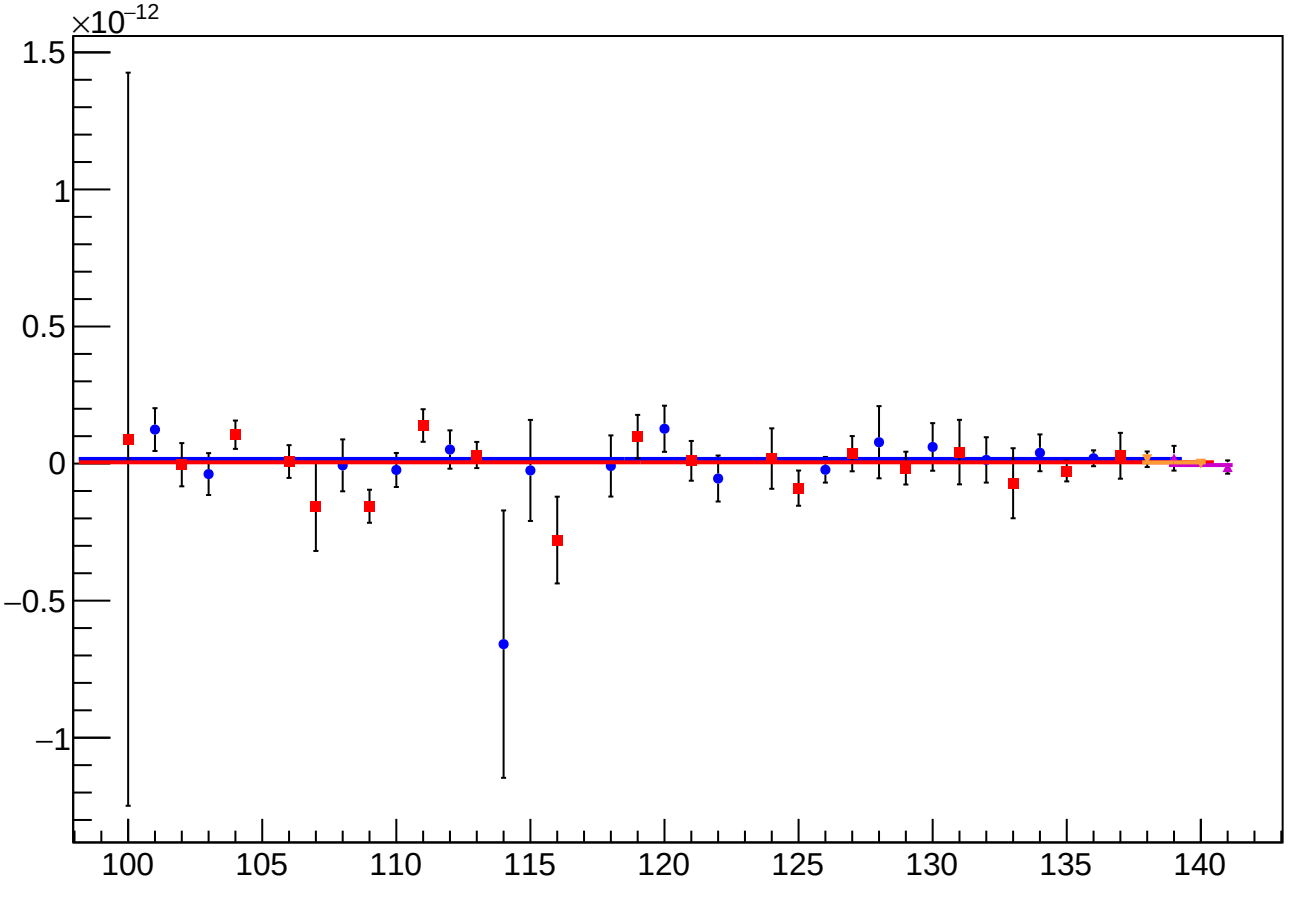
Left: 2933.245+/-1.133 χ^2/NDF: 1276.3/3

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2906.784+/-0.701 χ^2/NDF:743205.3/17

Out: 2888.337+/-0.689 χ^2/NDF:194418.6/20

All: 2897.402+/-0.491 χ^2/NDF: 937976.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

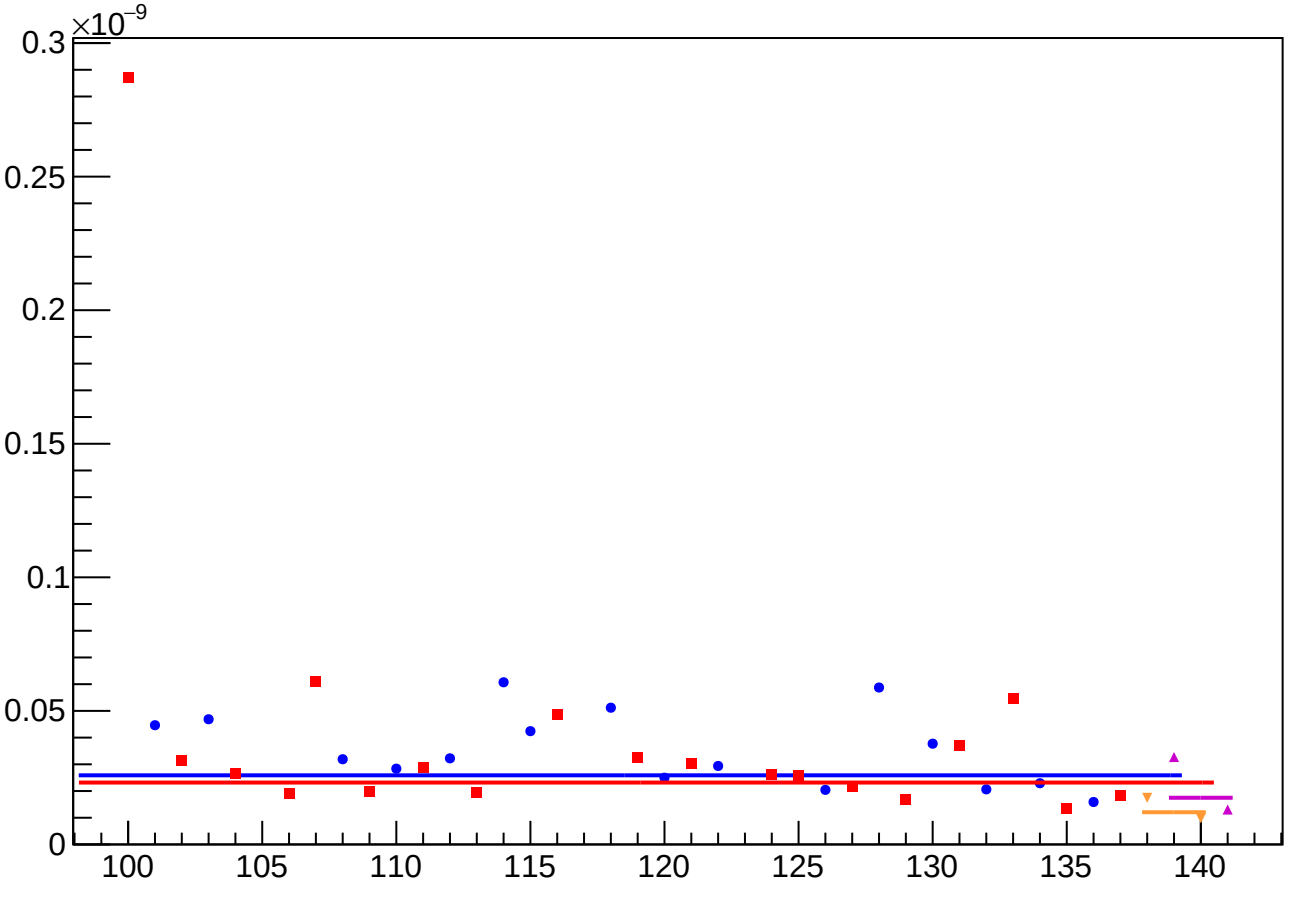
Left: 0.000+/-0.000 χ^2/NDF: 0.8/3

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:10.0/17

Out: 0.000+/-0.000 χ^2/NDF:26.0/20

All: 0.000+/-0.000 χ^2/NDF: 36.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:102003.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:294447.9/1

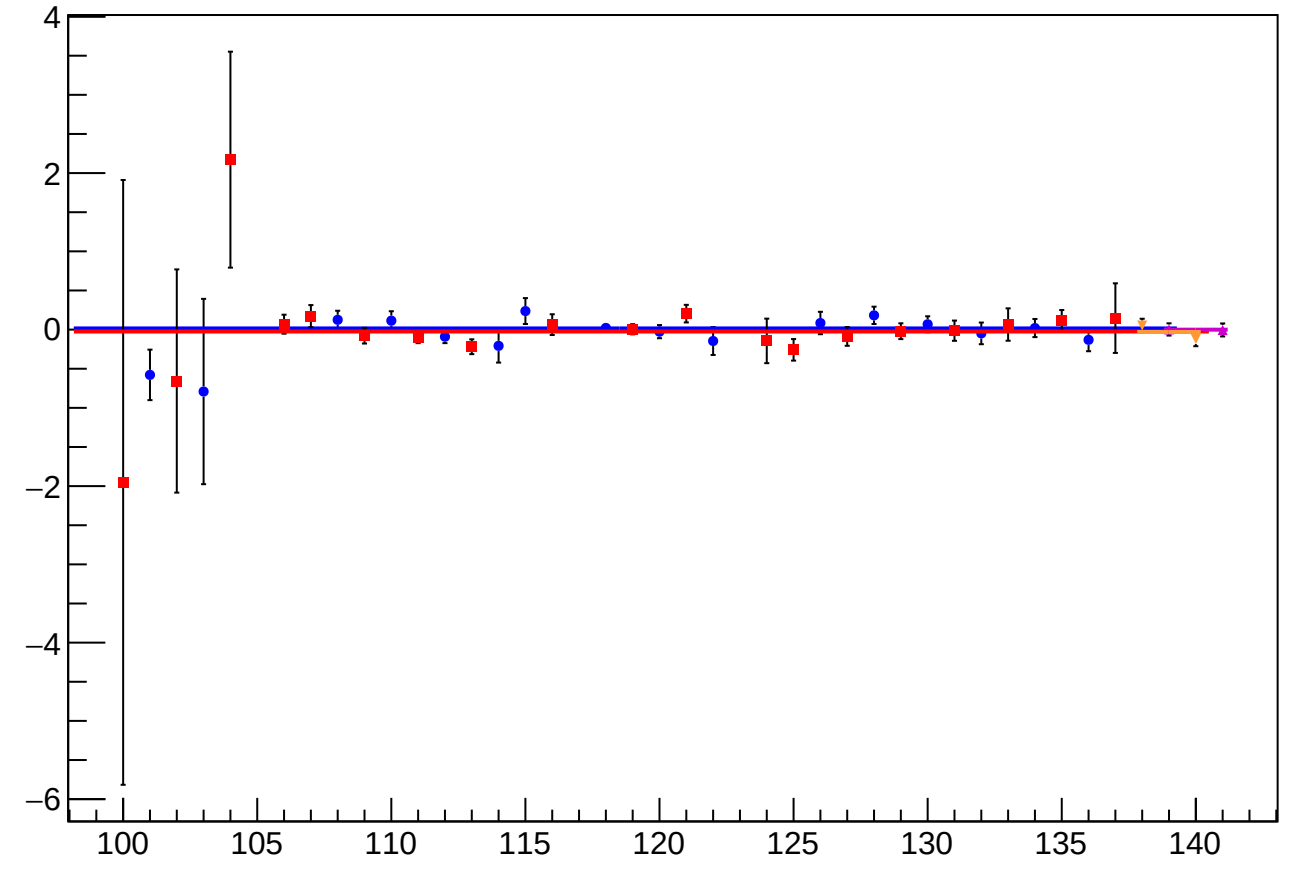
Left: 0.000+/-0.000 χ^2/NDF: 480796.7/3

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1350659.5/17

Out: 0.000+/-0.000 χ^2/NDF:1299962.4/20

All: 0.000+/-0.000 χ^2/NDF: 2827451.2/38



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.030+/-0.063 χ^2/NDF:1.8/1

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.001+/-0.057 χ^2/NDF:0.0/1

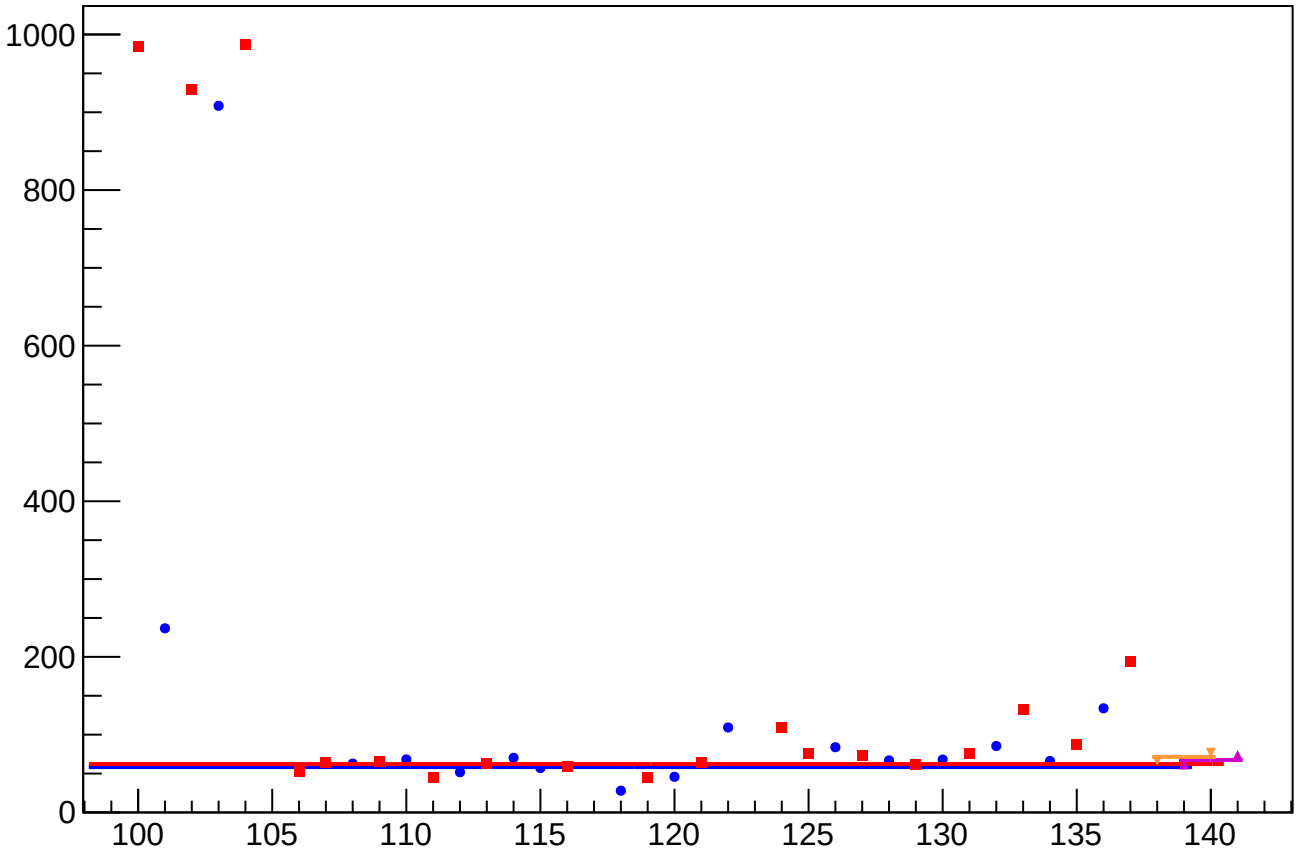
Left: -0.014+/-0.042 χ^2/NDF: 1.9/3

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.025 χ^2/NDF:15.1/17

Out: -0.025+/-0.026 χ^2/NDF:22.6/20

All: -0.006+/-0.018 χ^2/NDF: 38.8/38



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 71.431+/-0.045 χ^2/NDF:12444.4/1

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 67.369+/-0.040 χ^2/NDF:22598.2/1

Left: 69.180+/-0.030 χ^2/NDF: 39579.8/3

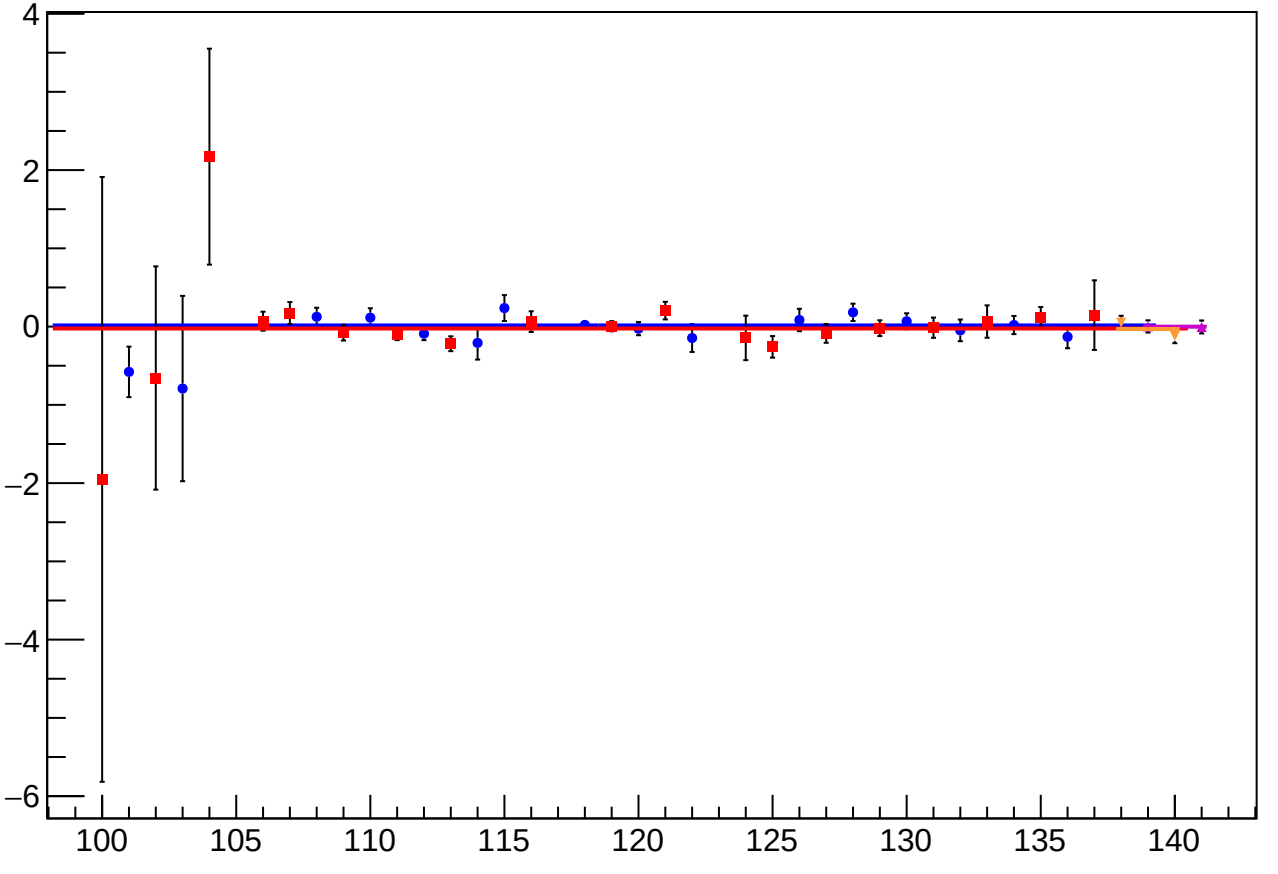
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 60.059+/-0.018 χ^2/NDF:3323847.0/17

Out: 63.735+/-0.018 χ^2/NDF:2674580.7/20

All: 61.851+/-0.013 χ^2/NDF: 6019491.5/38

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.030+/-0.063 χ^2/NDF:1.8/1

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.001+/-0.057 χ^2/NDF:0.0/1

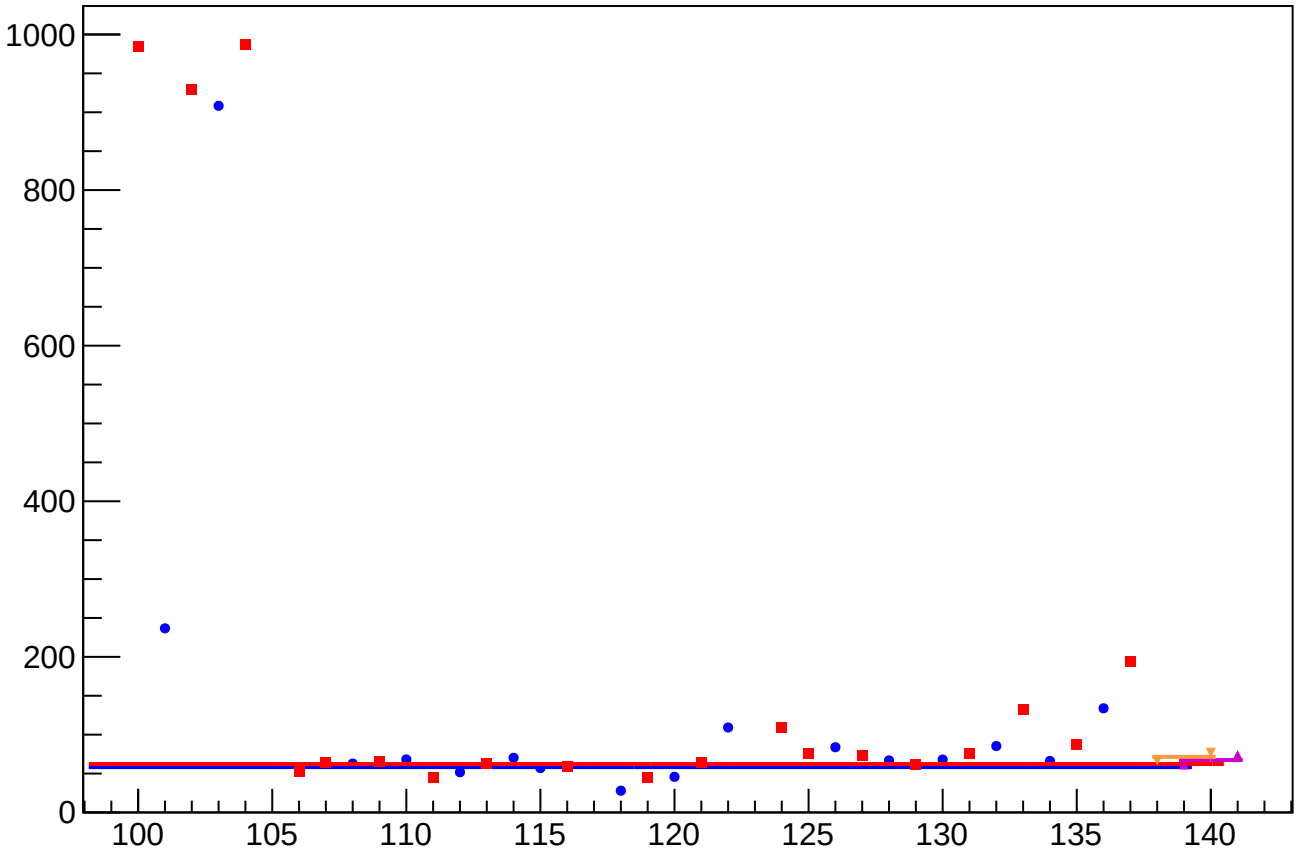
Left: -0.014+/-0.042 χ^2/NDF: 1.9/3

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.025 χ^2/NDF:15.1/17

Out: -0.025+/-0.026 χ^2/NDF:22.6/20

All: -0.006+/-0.018 χ^2/NDF: 38.8/38



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 71.431+/-0.045 χ^2/NDF:12444.4/1

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 67.369+/-0.040 χ^2/NDF:22598.2/1

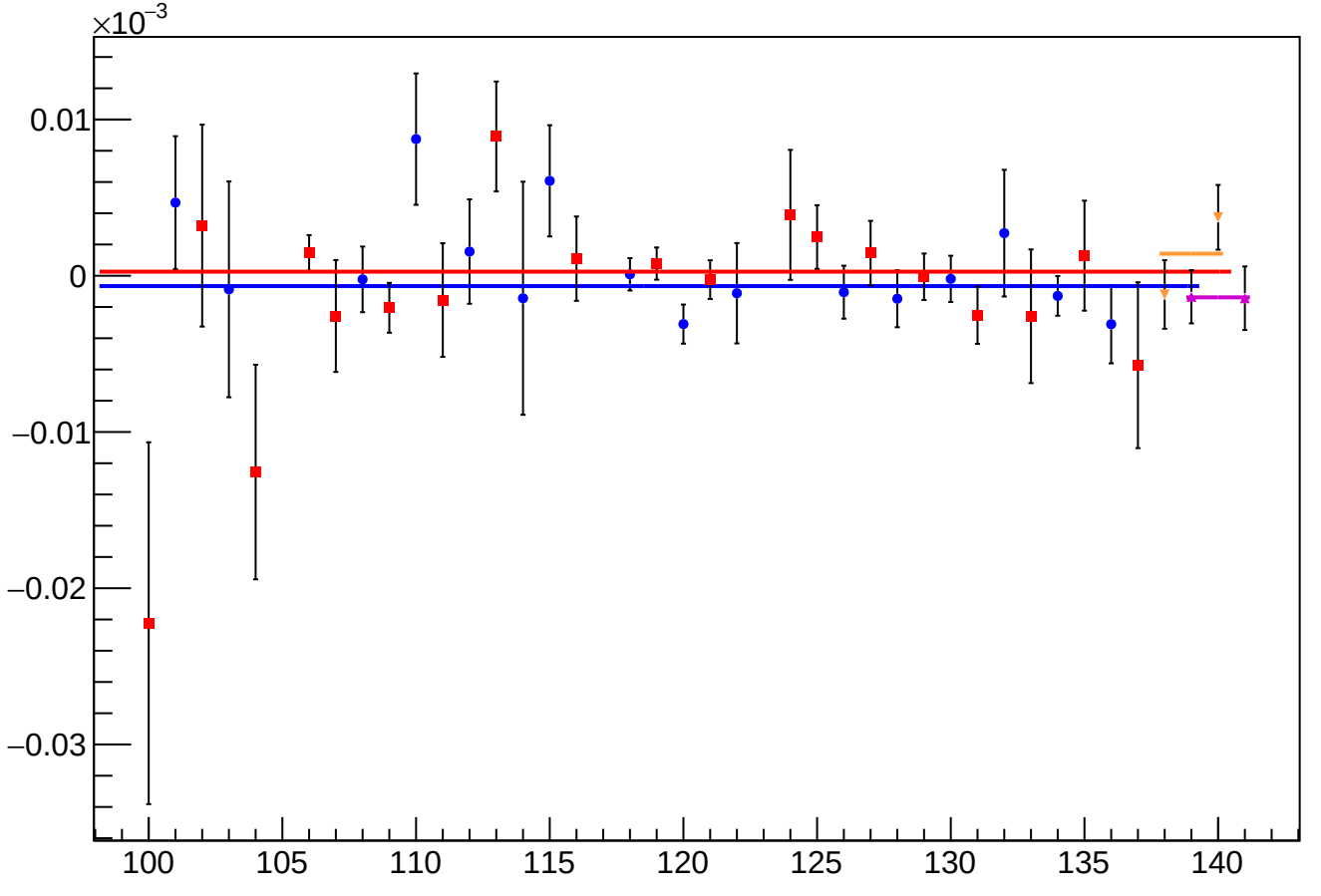
Left: 69.180+/-0.030 χ^2/NDF: 39579.8/3

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 60.059+/-0.018 χ^2/NDF:3323847.0/17

Out: 63.735+/-0.018 χ^2/NDF:2674580.7/20

All: 61.851+/-0.013 χ^2/NDF: 6019491.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

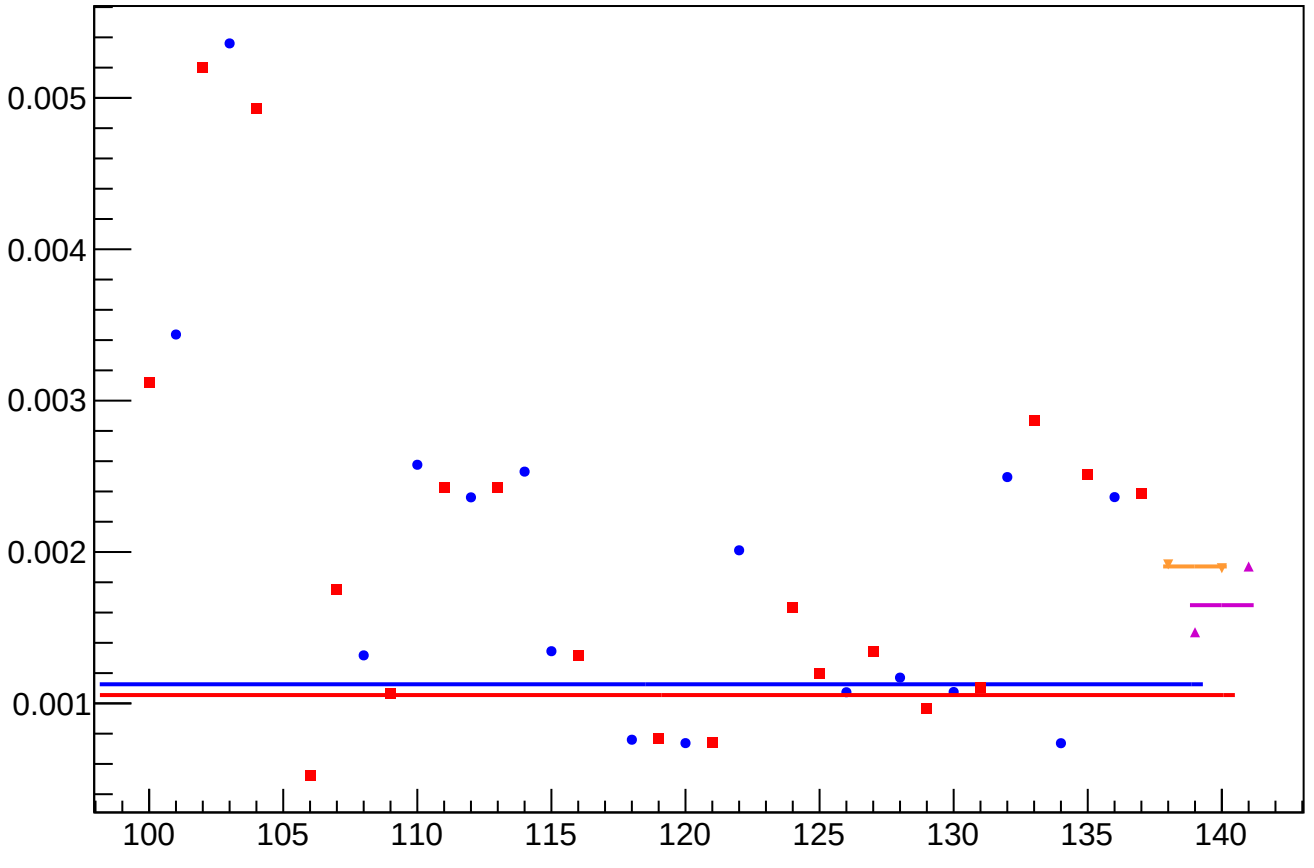
Left: -0.000+/-0.000 χ^2/NDF: 4.6/3

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:17.5/17

Out: 0.000+/-0.000 χ^2/NDF:27.8/20

All: -0.000+/-0.000 χ^2/NDF: 48.3/38



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:140.3/1

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.002+/-0.000 χ^2/NDF:53649.6/1

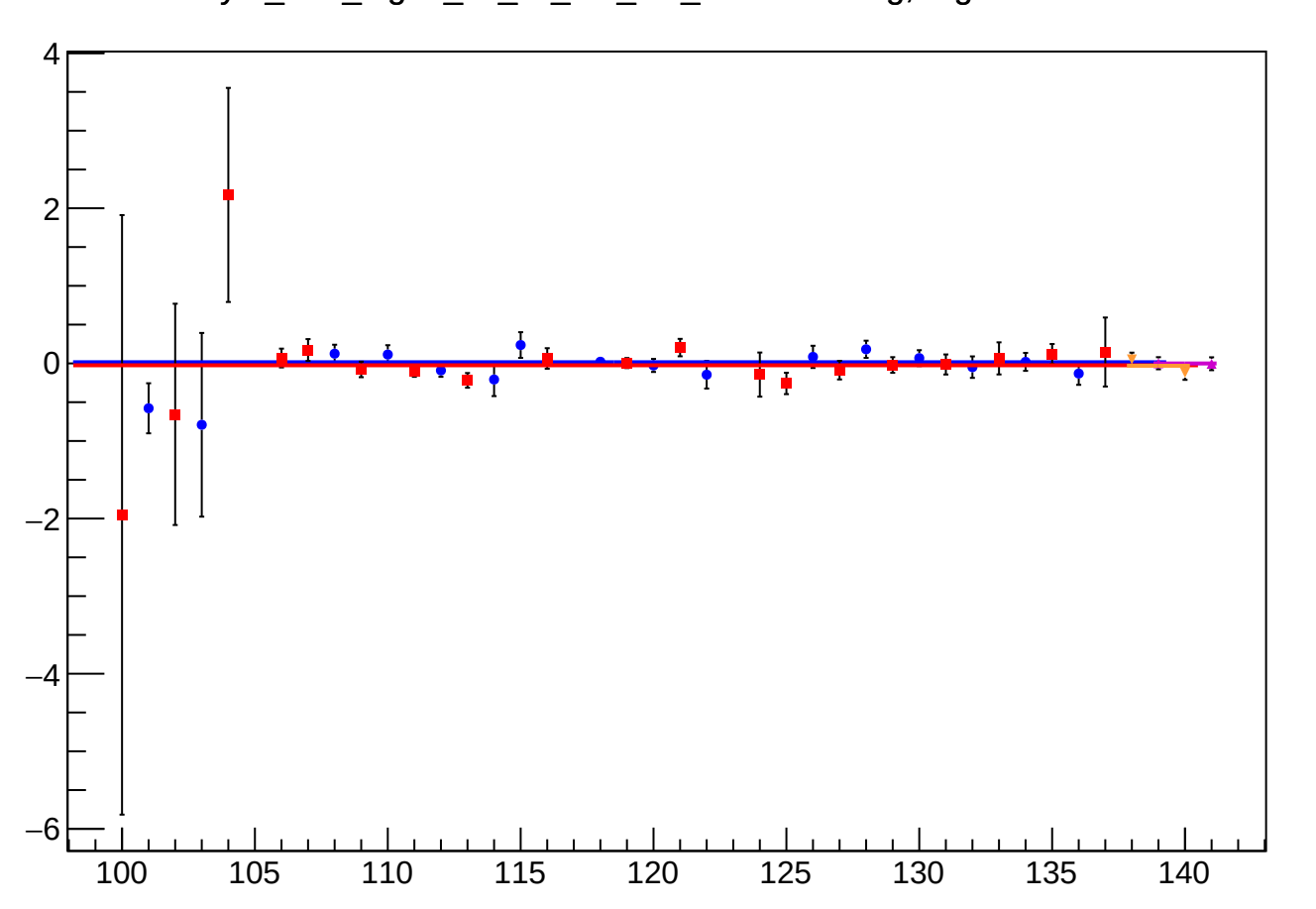
Left: 0.002+/-0.000 χ^2/NDF: 86738.2/3

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:3787798.3/17

Out: 0.001+/-0.000 χ^2/NDF:4429679.1/20

All: 0.001+/-0.000 χ^2/NDF: 8236295.1/38



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.030+/-0.063 χ^2/NDF:1.8/1

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.001+/-0.057 χ^2/NDF:0.0/1

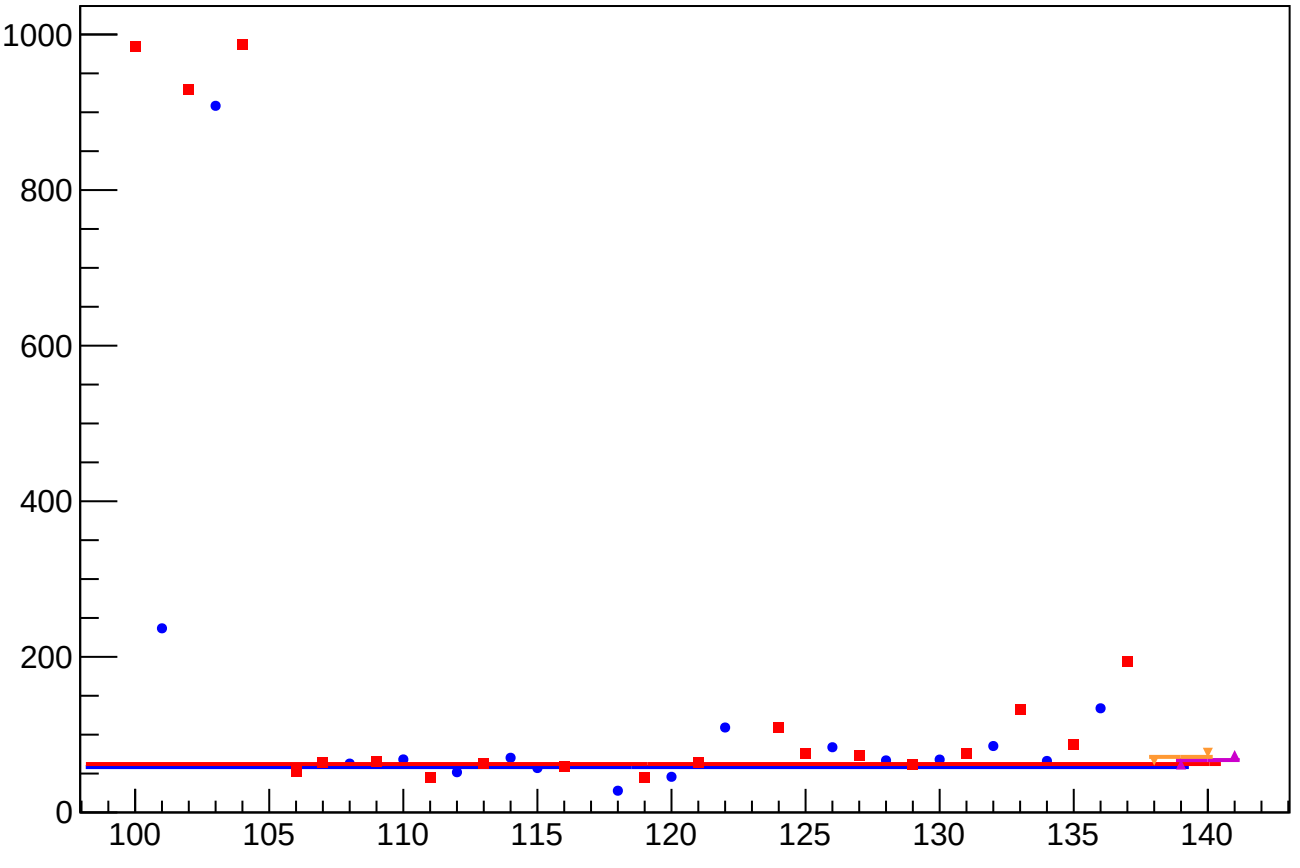
Left: -0.014+/-0.042 χ^2/NDF: 1.9/3

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.025 χ^2/NDF:15.1/17

Out: -0.025+/-0.026 χ^2/NDF:22.6/20

All: -0.006+/-0.018 χ^2/NDF: 38.8/38



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 71.431+/-0.045 χ^2/NDF:12447.1/1

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 67.370+/-0.040 χ^2/NDF:22591.2/1

Left: 69.180+/-0.030 χ^2/NDF: 39573.4/3

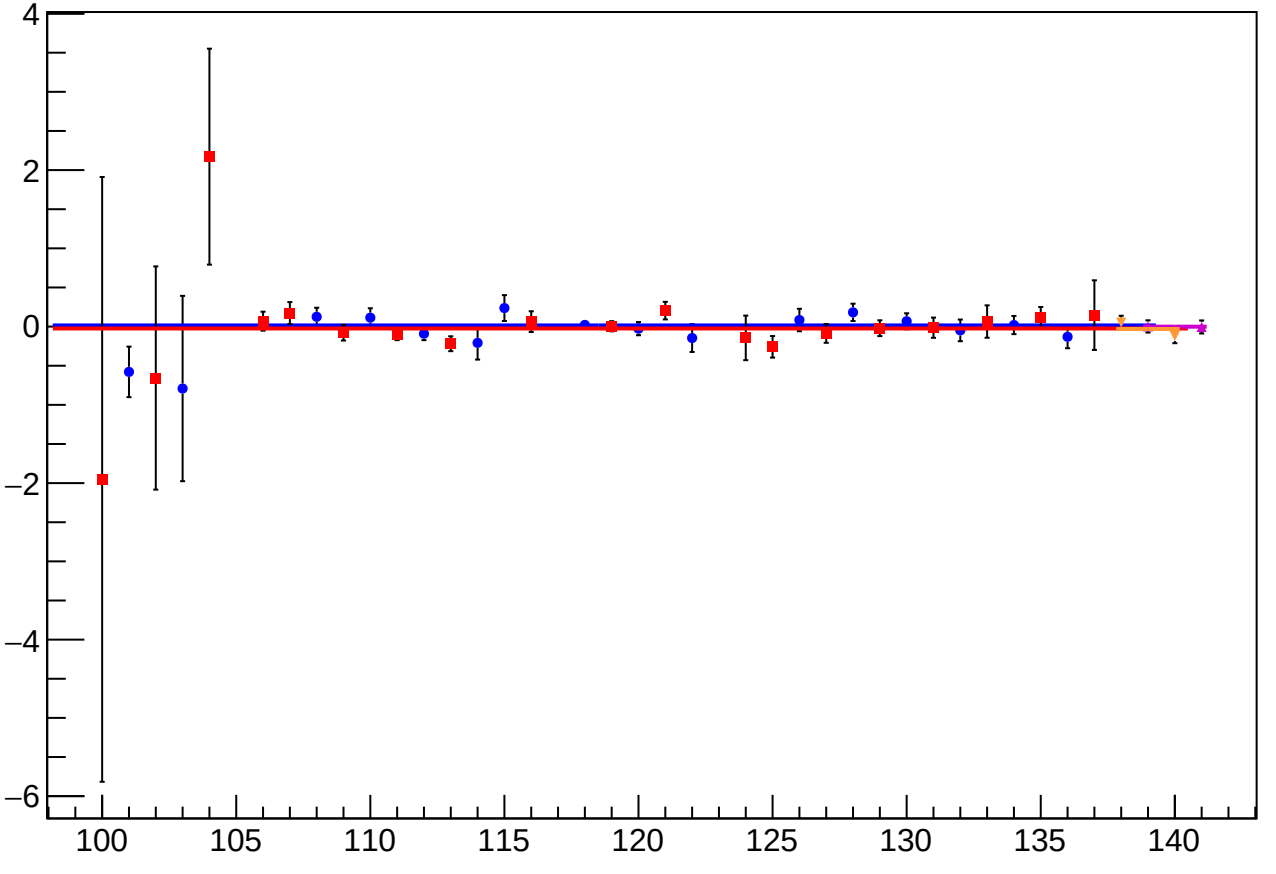
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 60.059+/-0.018 χ^2/NDF:3323932.2/17

Out: 63.735+/-0.018 χ^2/NDF:2674574.3/20

All: 61.850+/-0.013 χ^2/NDF: 6019575.0/38

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.030+/-0.063 χ^2/NDF:1.8/1

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.001+/-0.057 χ^2/NDF:0.0/1

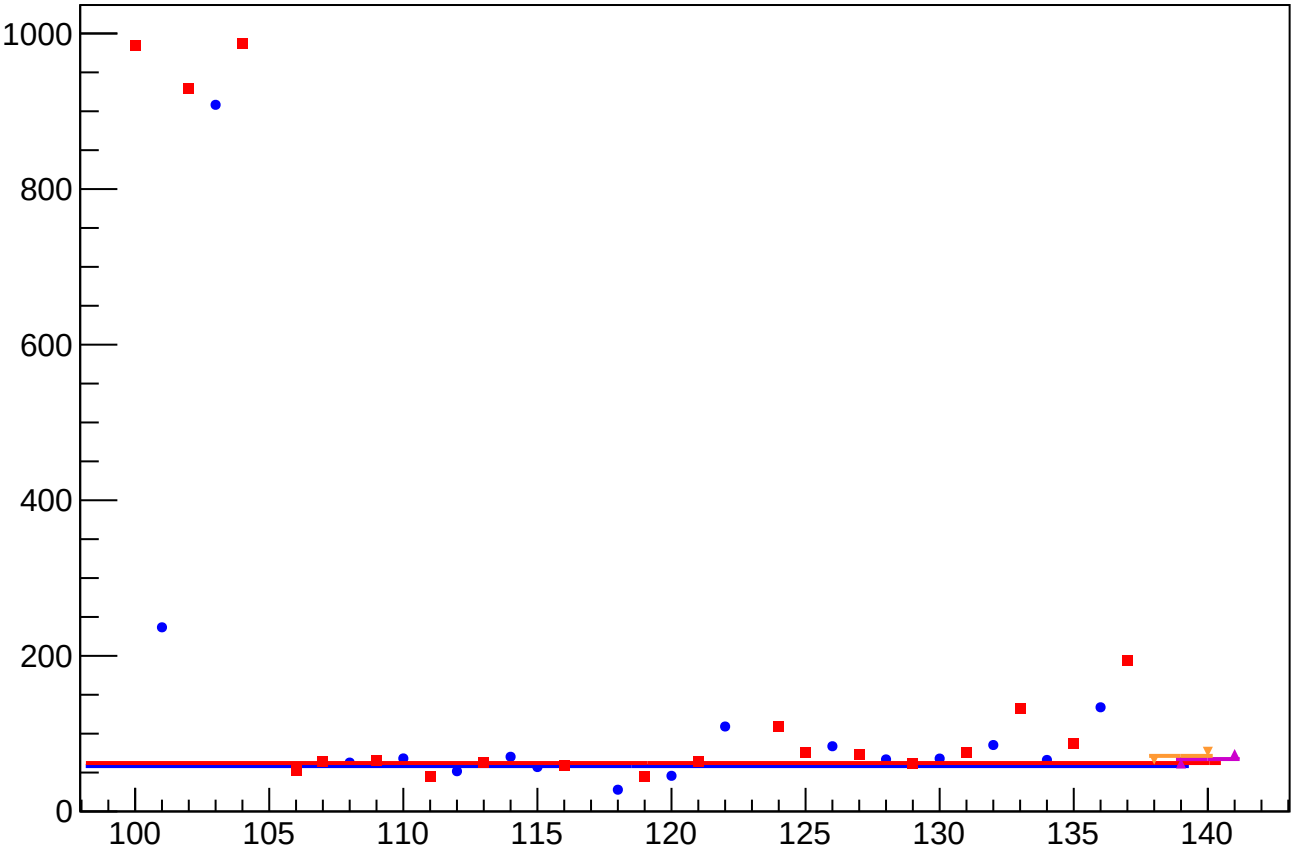
Left: -0.014+/-0.042 χ^2/NDF: 1.9/3

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.025 χ^2/NDF:15.1/17

Out: -0.025+/-0.026 χ^2/NDF:22.6/20

All: -0.006+/-0.018 χ^2/NDF: 38.8/38



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 71.431+/-0.045 χ^2/NDF:12447.1/1

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 67.370+/-0.040 χ^2/NDF:22591.2/1

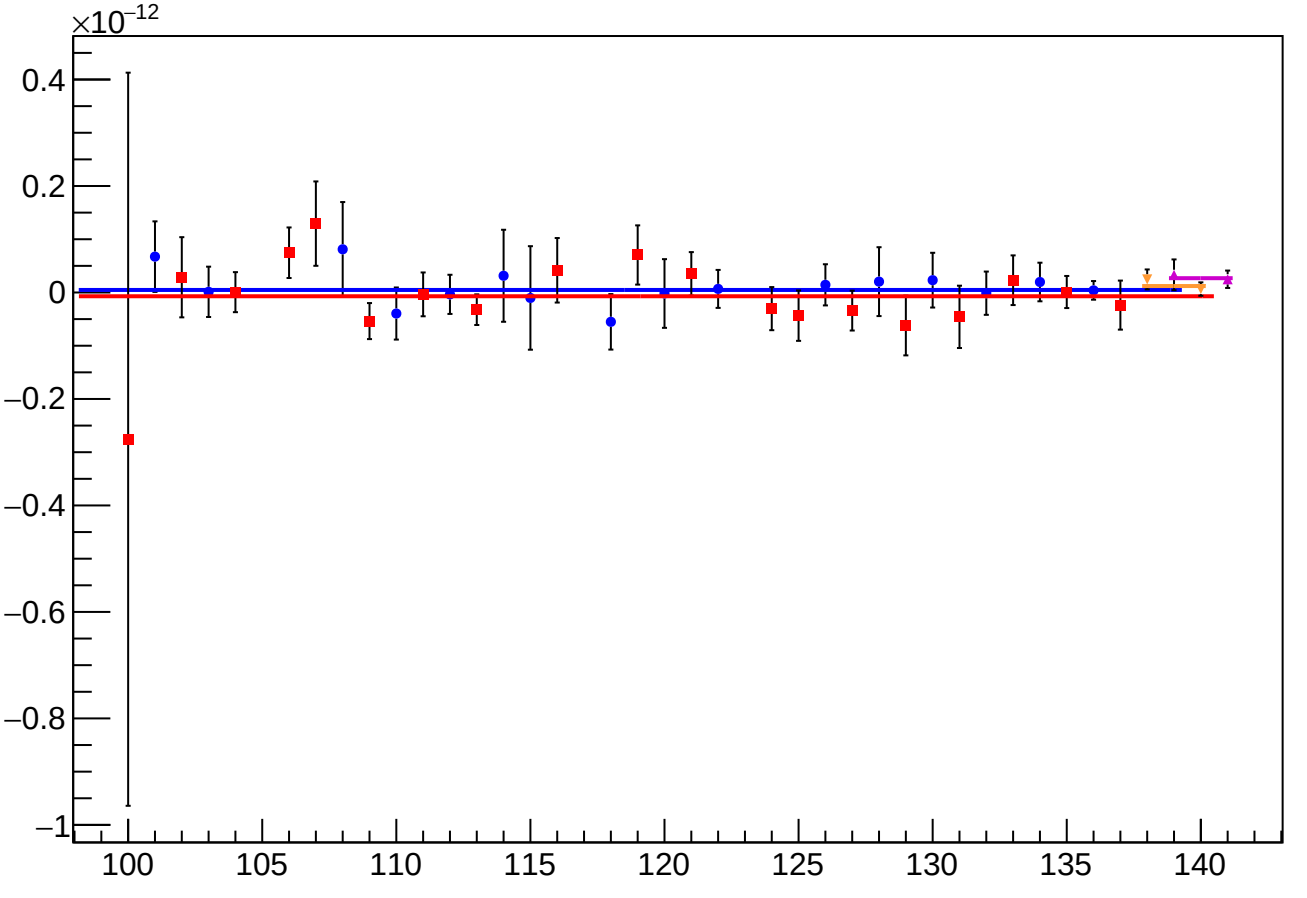
Left: 69.180+/-0.030 χ^2/NDF: 39573.4/3

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 60.059+/-0.018 χ^2/NDF:3323932.2/17

Out: 63.735+/-0.018 χ^2/NDF:2674574.3/20

All: 61.850+/-0.013 χ^2/NDF: 6019575.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

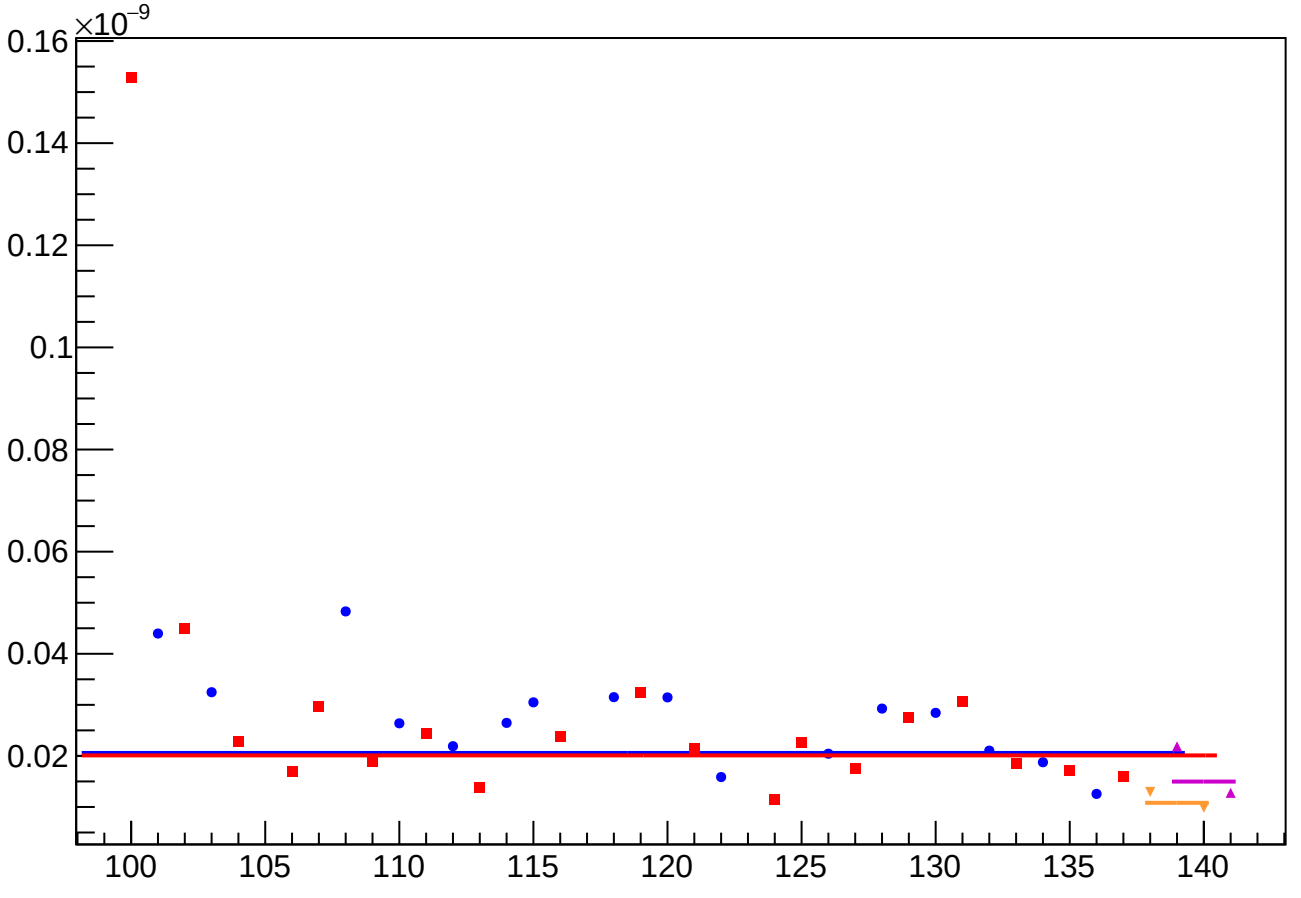
Left: 0.000+/-0.000 χ^2/NDF: 1.4/3

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:6.1/17

Out: 0.000+/-0.000 χ^2/NDF:18.5/20

All: 0.000+/-0.000 χ^2/NDF: 25.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:37636.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:149975.5/1

Left: 0.000+/-0.000 χ^2/NDF: 298911.1/3

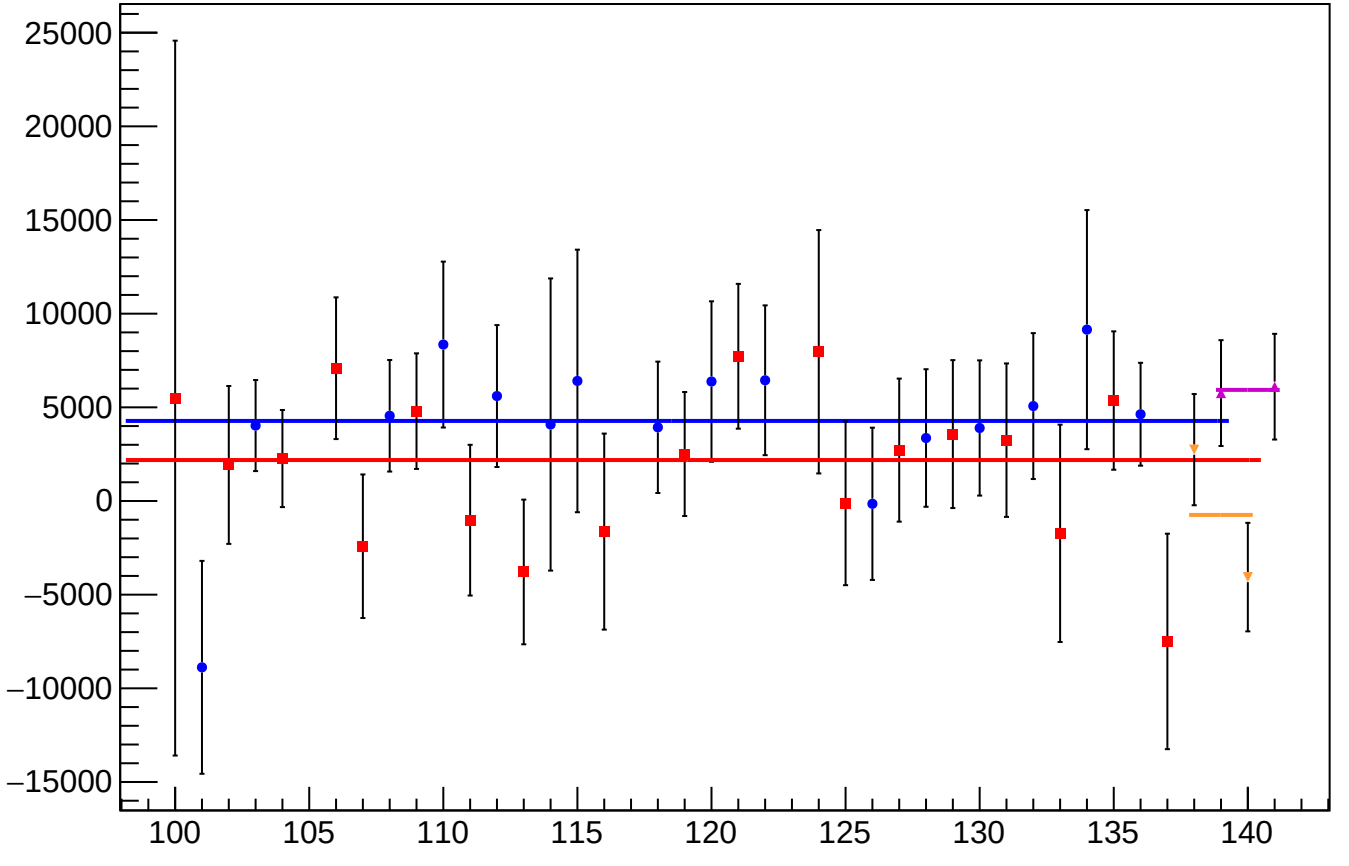
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:1674114.5/17

Out: 0.000+/-0.000 χ^2/NDF:1665228.9/20

All: 0.000+/-0.000 χ^2/NDF: 3492721.5/38

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -743.725+/-2072.922 χ^2/NDF:2.7/1

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 5931.468+/-1996.151 χ^2/NDF:0.0/1

Left: 2719.767+/-1437.867 χ^2/NDF: 8.1/3

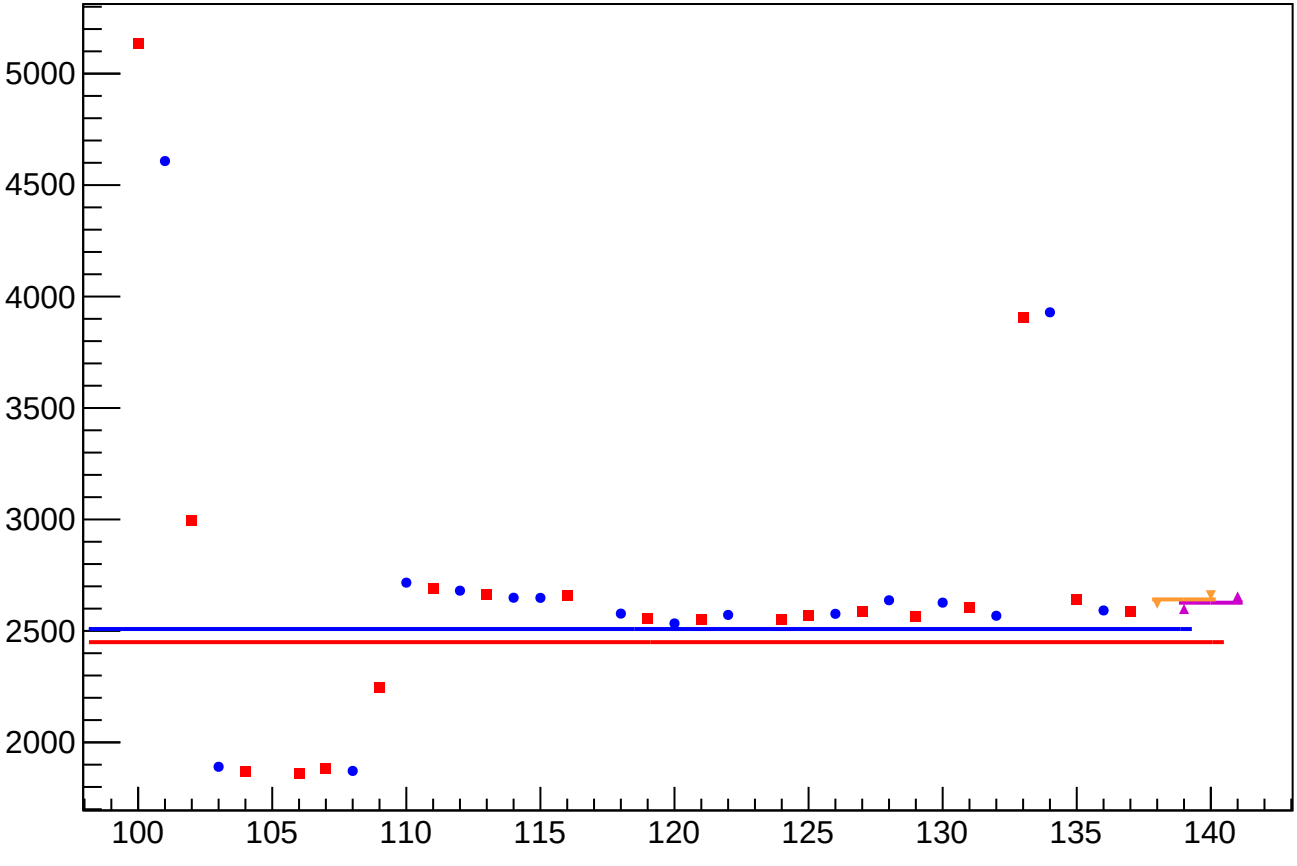
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4581.431+/-859.248 χ^2/NDF:9.5/17

Out: 1702.261+/-842.508 χ^2/NDF:19.2/20

All: 3113.526+/-601.574 χ^2/NDF: 34.3/38

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2641.306+/-1.466 χ^2/NDF:168.1/1

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2626.598+/-1.411 χ^2/NDF:396.4/1

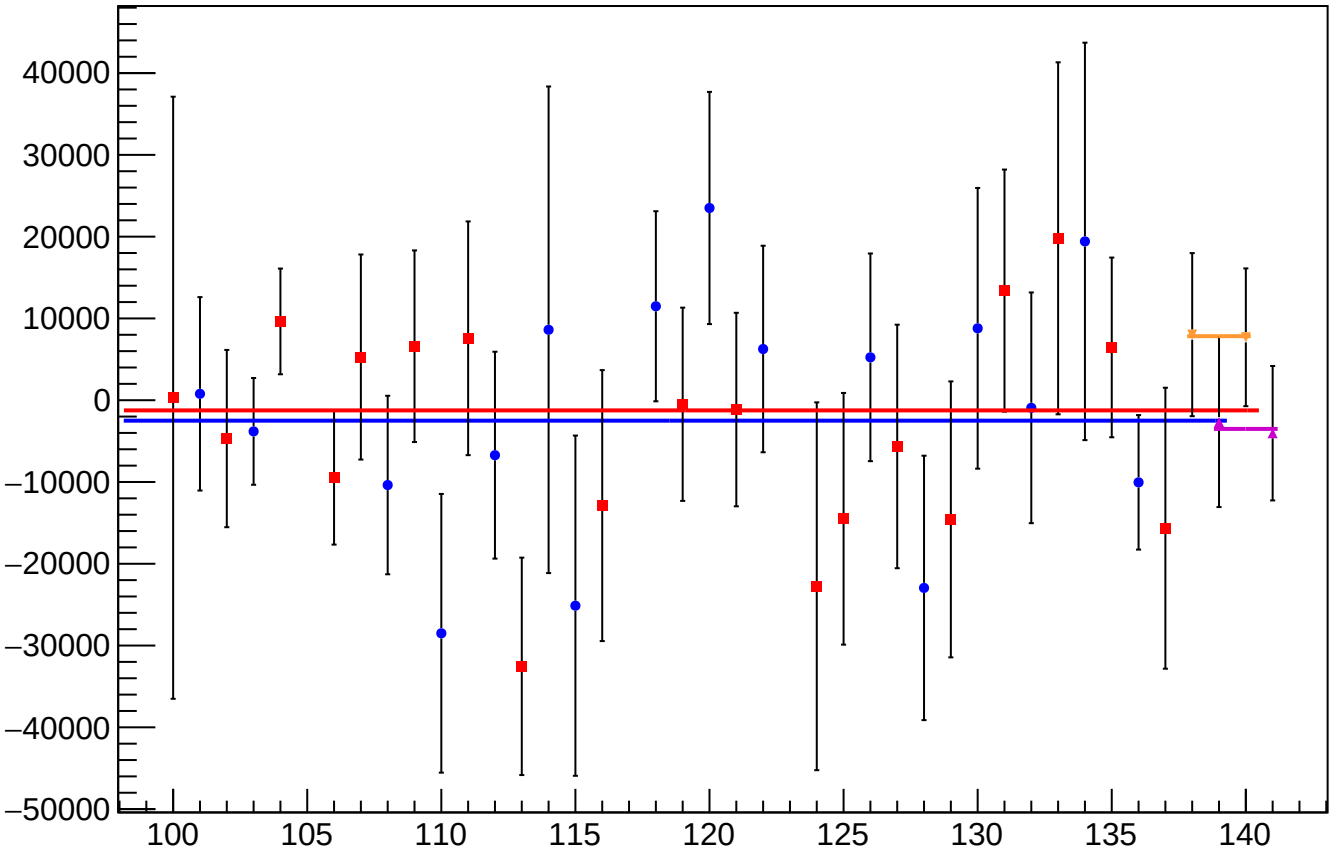
Left: 2633.675+/-1.017 χ^2/NDF: 616.7/3

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2530.355+/-0.608 χ^2/NDF:617692.7/17

Out: 2481.287+/-0.596 χ^2/NDF:451345.7/20

All: 2505.338+/-0.425 χ^2/NDF: 1072363.6/38



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 7829.456+/-6433.743 χ^2/NDF:0.0/1

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: -3509.518+/-6447.819 χ^2/NDF:0.0/1

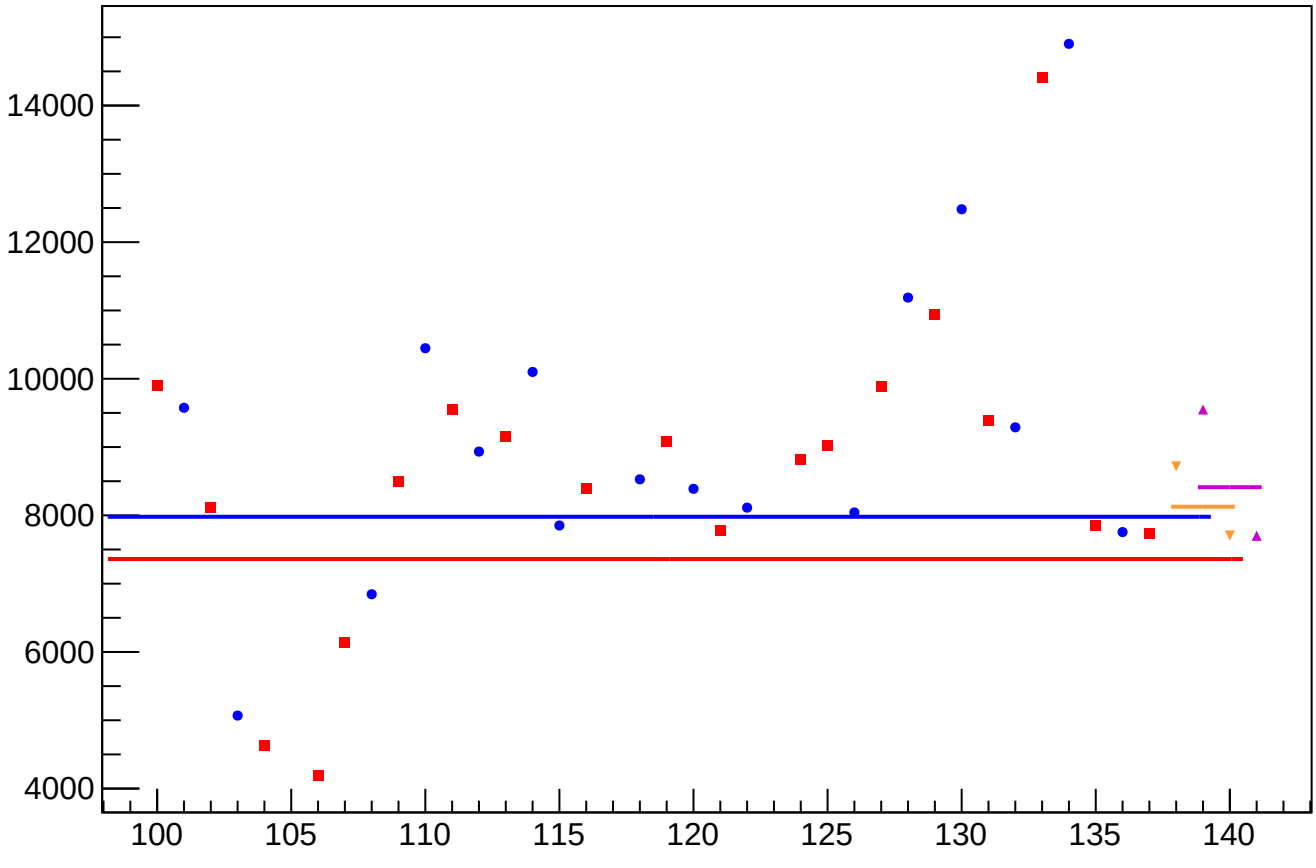
Left: 2172.360+/-4554.312 χ^2/NDF: 1.6/3

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -2687.607+/-2775.952 χ^2/NDF:13.8/17

Out: 246.502+/-2607.873 χ^2/NDF:18.2/20

All: -1129.041+/-1900.688 χ^2/NDF: 32.6/38



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8126.442+/-4.549 χ^2/NDF:12025.8/1

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8412.399+/-4.559 χ^2/NDF:38934.3/1

Left: 8269.108+/-3.220 χ^2/NDF: 52931.3/3

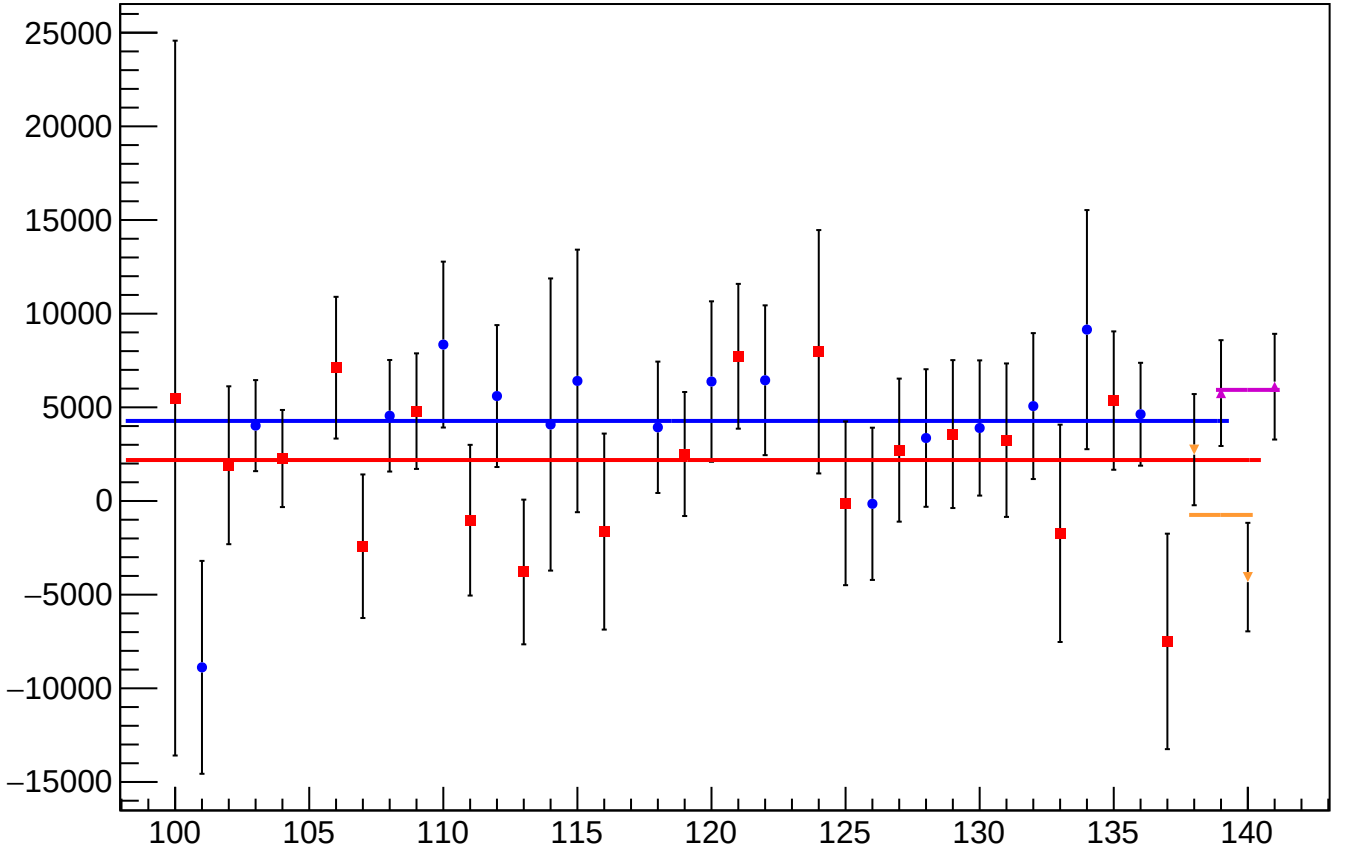
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8059.729+/-1.963 χ^2/NDF:969362.8/17

Out: 7486.548+/-1.844 χ^2/NDF:1321708.2/20

All: 7755.262+/-1.344 χ^2/NDF: 2336364.8/38

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -743.651+/-2072.922 χ^2/NDF:2.7/1

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 5931.730+/-1996.151 χ^2/NDF:0.0/1

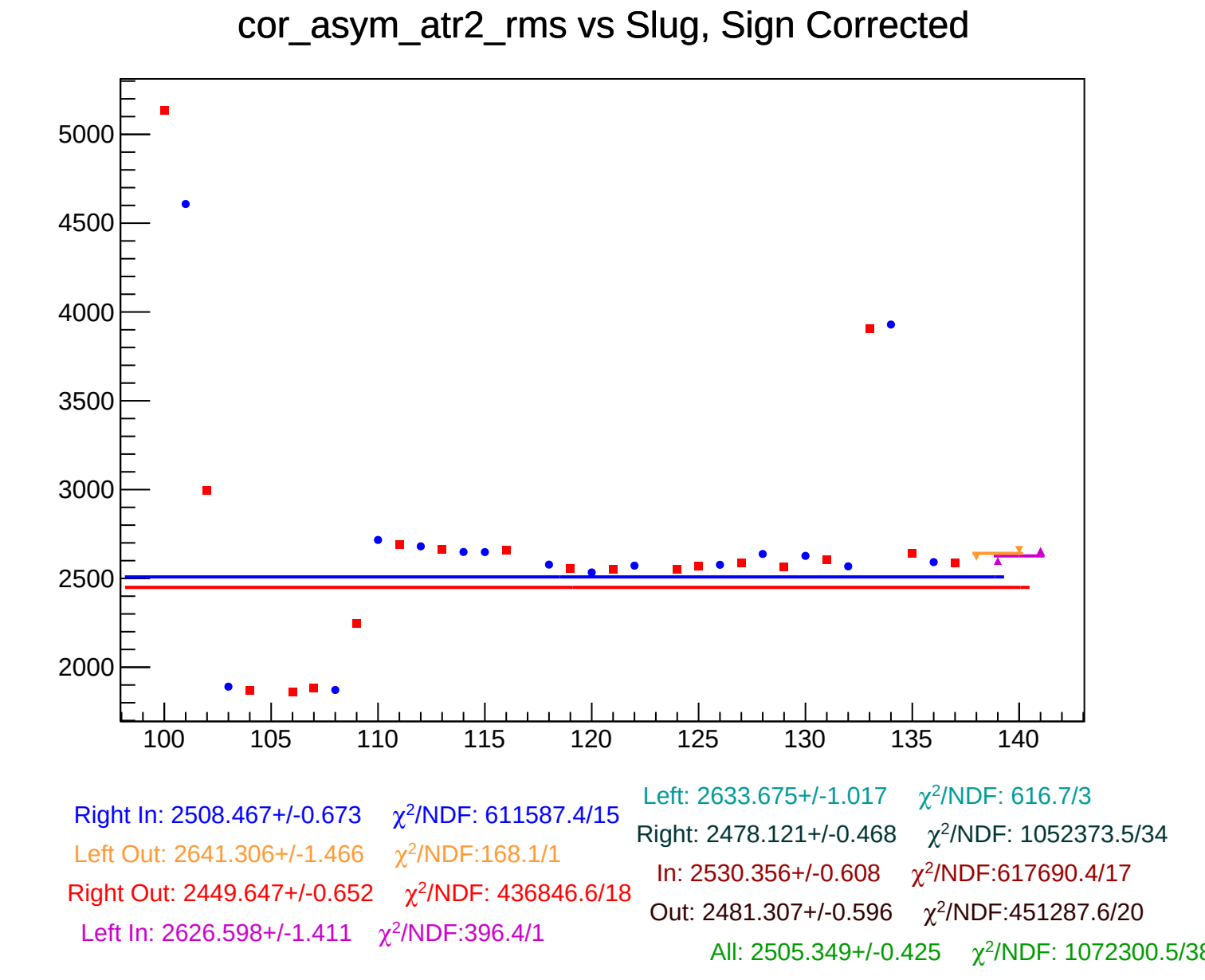
Left: 2719.939+/-1437.867 χ^2/NDF: 8.1/3

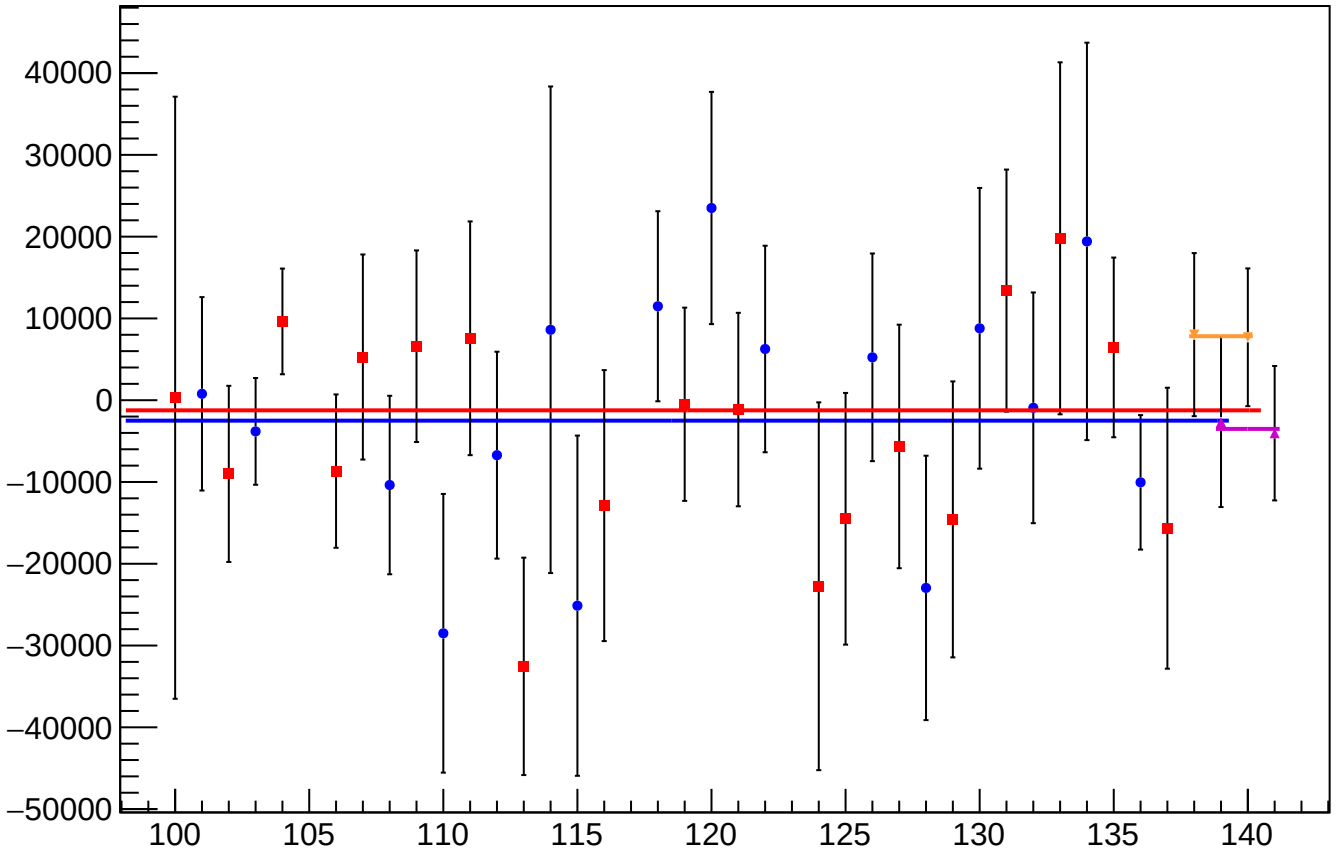
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4581.080+/-859.248 χ^2/NDF:9.5/17

Out: 1702.787+/-842.513 χ^2/NDF:19.2/20

All: 3113.632+/-601.576 χ^2/NDF: 34.4/38


cor_asym_atr2_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
100
105
110
115
120
125
130
135
140
Right In: 2508.467+/-0.673 χ²/NDF: 611587.4/15
Left Out: 2641.306+/-1.466 χ²/NDF:168.1/1
Right Out: 2449.647+/-0.652 χ²/NDF: 436846.6/18
Left In: 2626.598+/-1.411 χ²/NDF:396.4/1
Left: 2633.675+/-1.017 χ²/NDF: 616.7/3
Right: 2478.121+/-0.468 χ²/NDF: 1052373.5/34
In: 2530.356+/-0.608 χ²/NDF:617690.4/17
Out: 2481.307+/-0.596 χ²/NDF:451287.6/20
All: 2505.349+/-0.425 χ²/NDF: 1072300.5/38



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 7829.134+/-6433.726 χ^2/NDF:0.0/1

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: -3509.465+/-6447.814 χ^2/NDF:0.0/1

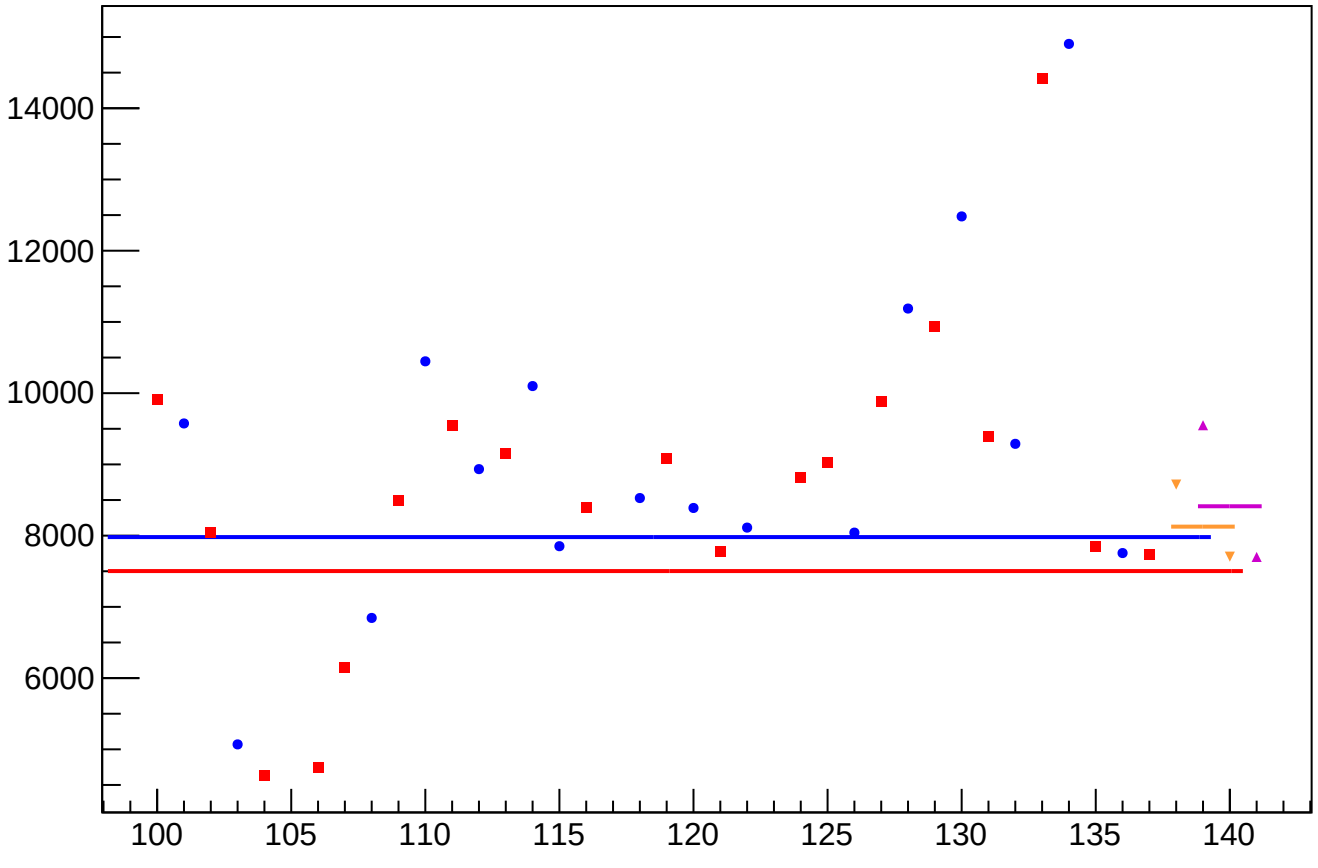
Left: 2172.235+/-4554.304 χ^2/NDF: 1.6/3

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -2687.425+/-2776.016 χ^2/NDF:13.8/17

Out: 285.819+/-2638.875 χ^2/NDF:18.3/20

All: -1125.549+/-1912.612 χ^2/NDF: 32.7/38



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8126.419+/-4.549 χ^2/NDF:12026.2/1

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8412.392+/-4.559 χ^2/NDF:38934.8/1

Left: 8269.093+/-3.220 χ^2/NDF: 52932.4/3

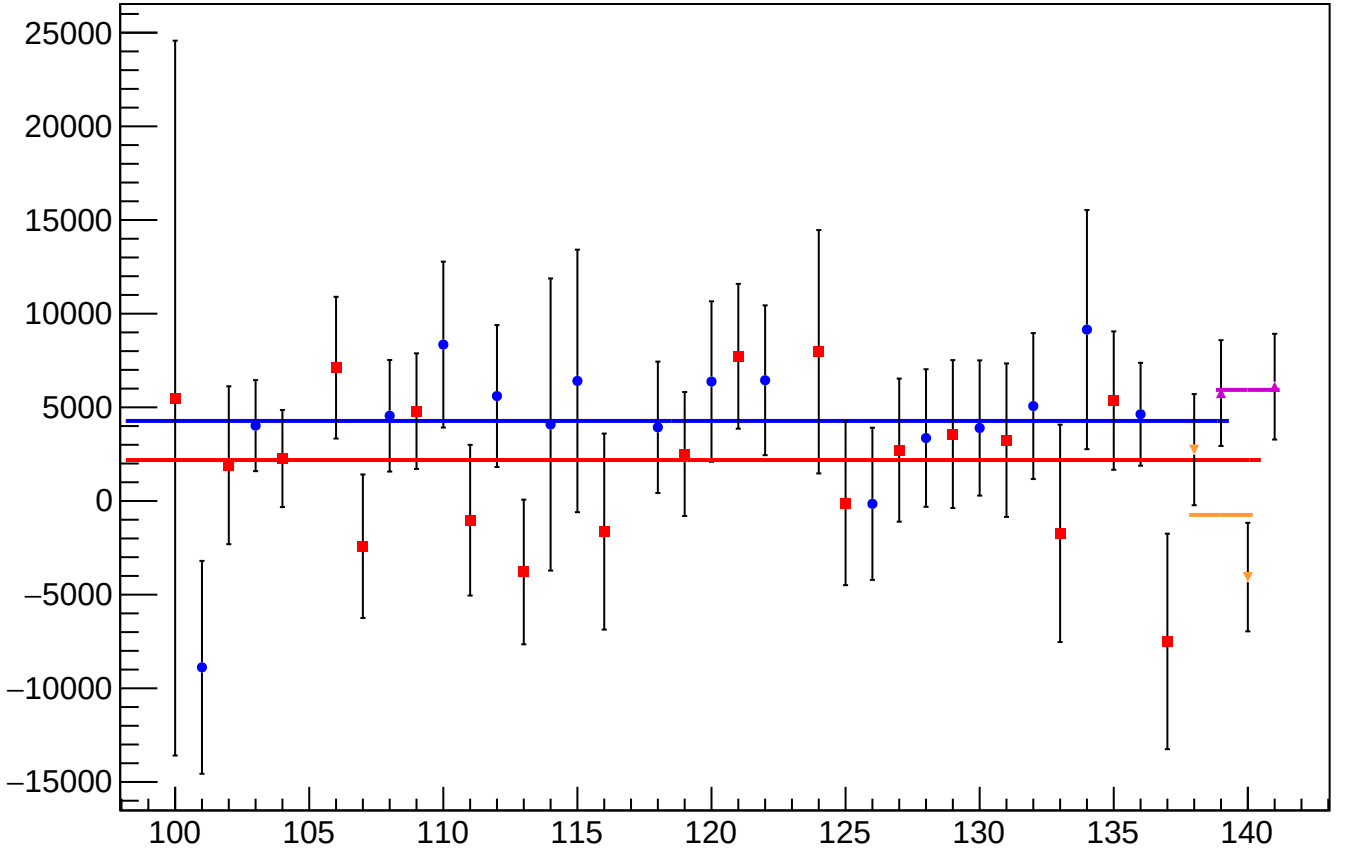
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8059.995+/-1.963 χ^2/NDF:969053.5/17

Out: 7607.618+/-1.866 χ^2/NDF:1163185.0/20

All: 7822.357+/-1.352 χ^2/NDF: 2160138.5/38

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -743.651+/-2072.922 χ^2/NDF:2.7/1

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 5931.730+/-1996.151 χ^2/NDF:0.0/1

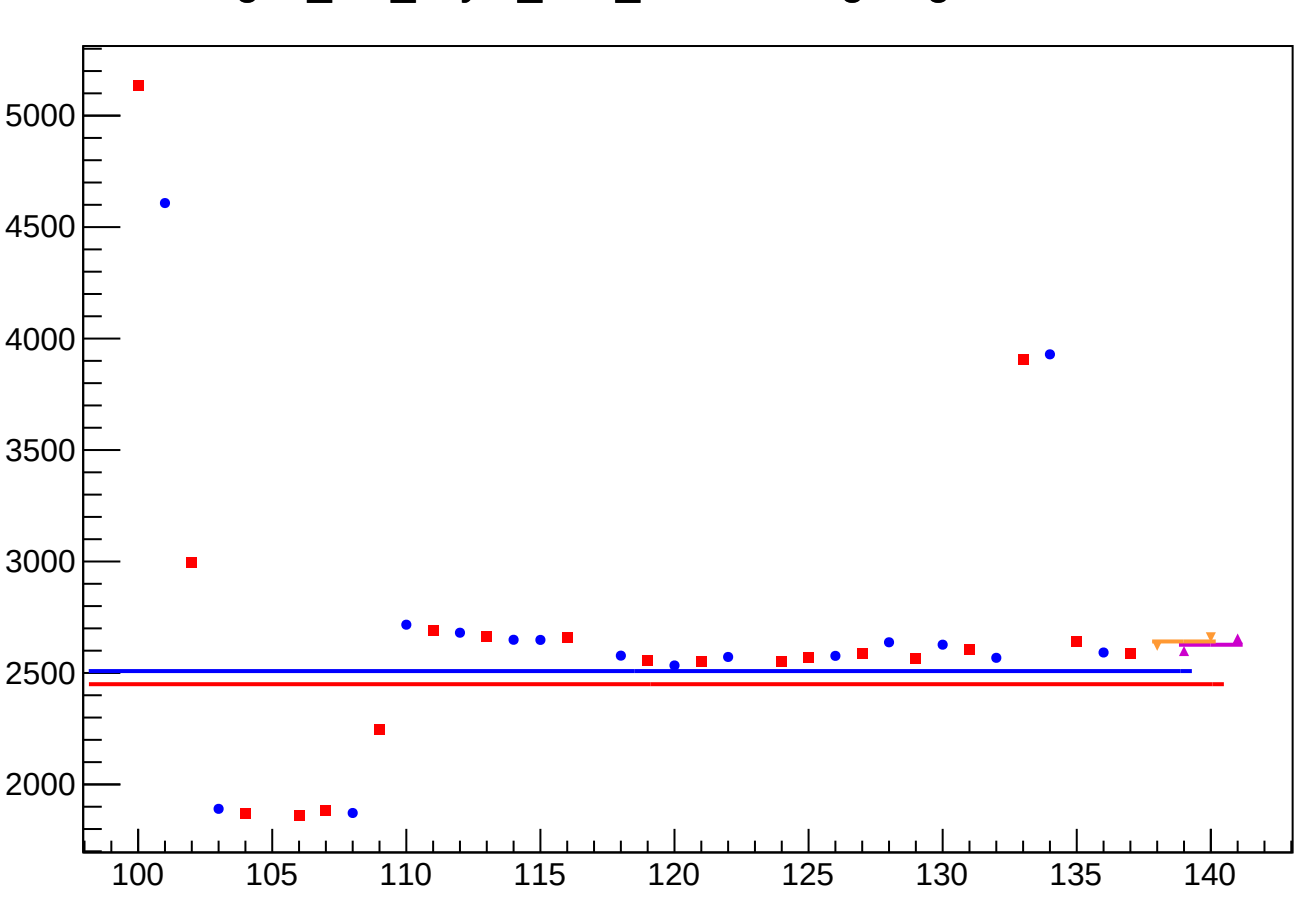
Left: 2719.939+/-1437.867 χ^2/NDF: 8.1/3

Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4581.080+/-859.248 χ^2/NDF:9.5/17

Out: 1702.787+/-842.513 χ^2/NDF:19.2/20

All: 3113.632+/-601.576 χ^2/NDF: 34.4/38



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2641.306+/-1.466 χ^2/NDF:168.1/1

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2626.598+/-1.411 χ^2/NDF:396.4/1

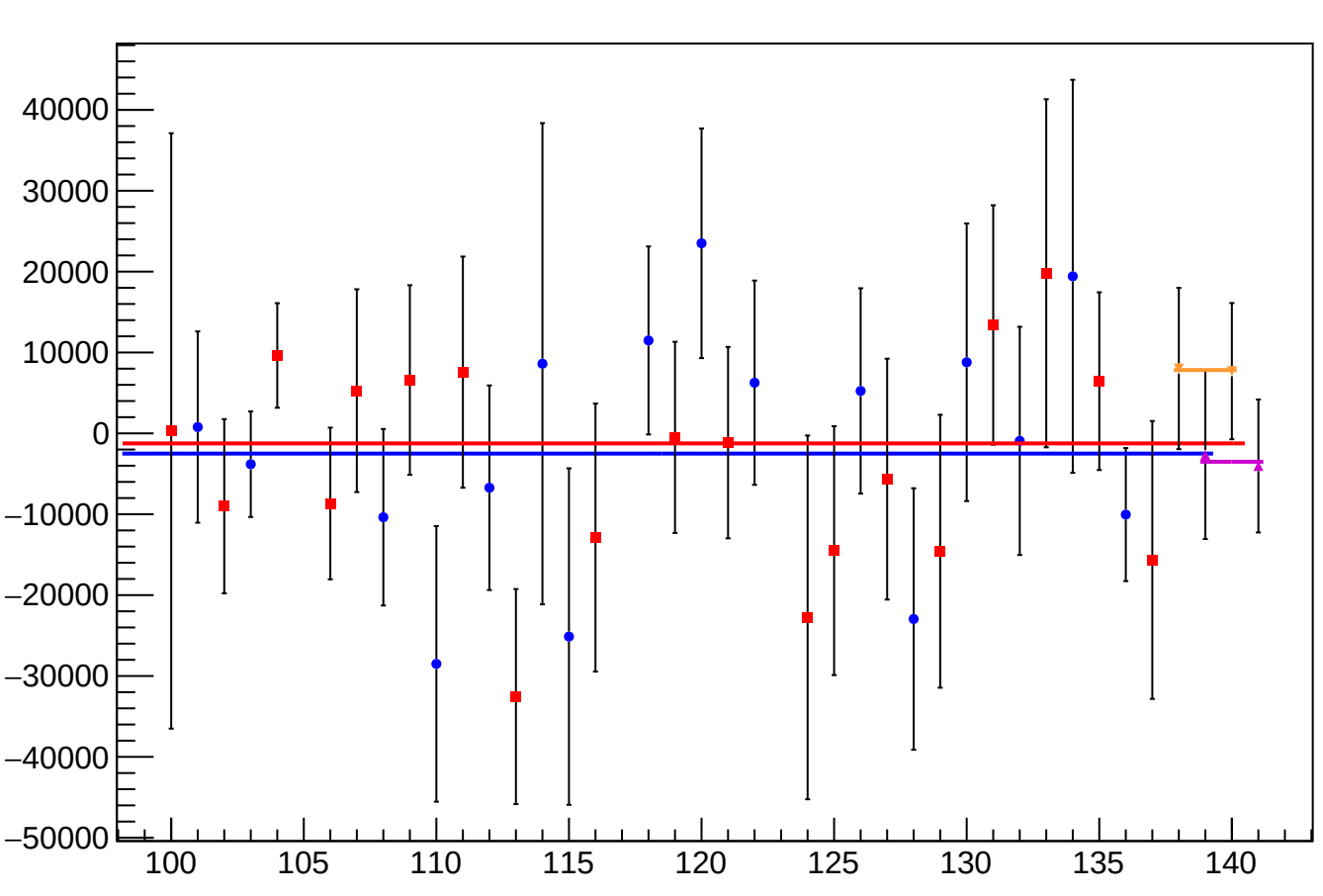
Left: 2633.675+/-1.017 χ^2/NDF: 616.7/3

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2530.356+/-0.608 χ^2/NDF:617690.4/17

Out: 2481.307+/-0.596 χ^2/NDF:451287.6/20

All: 2505.349+/-0.425 χ^2/NDF: 1072300.5/38



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 7829.134+/-6433.726 χ^2/NDF:0.0/1

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: -3509.465+/-6447.814 χ^2/NDF:0.0/1

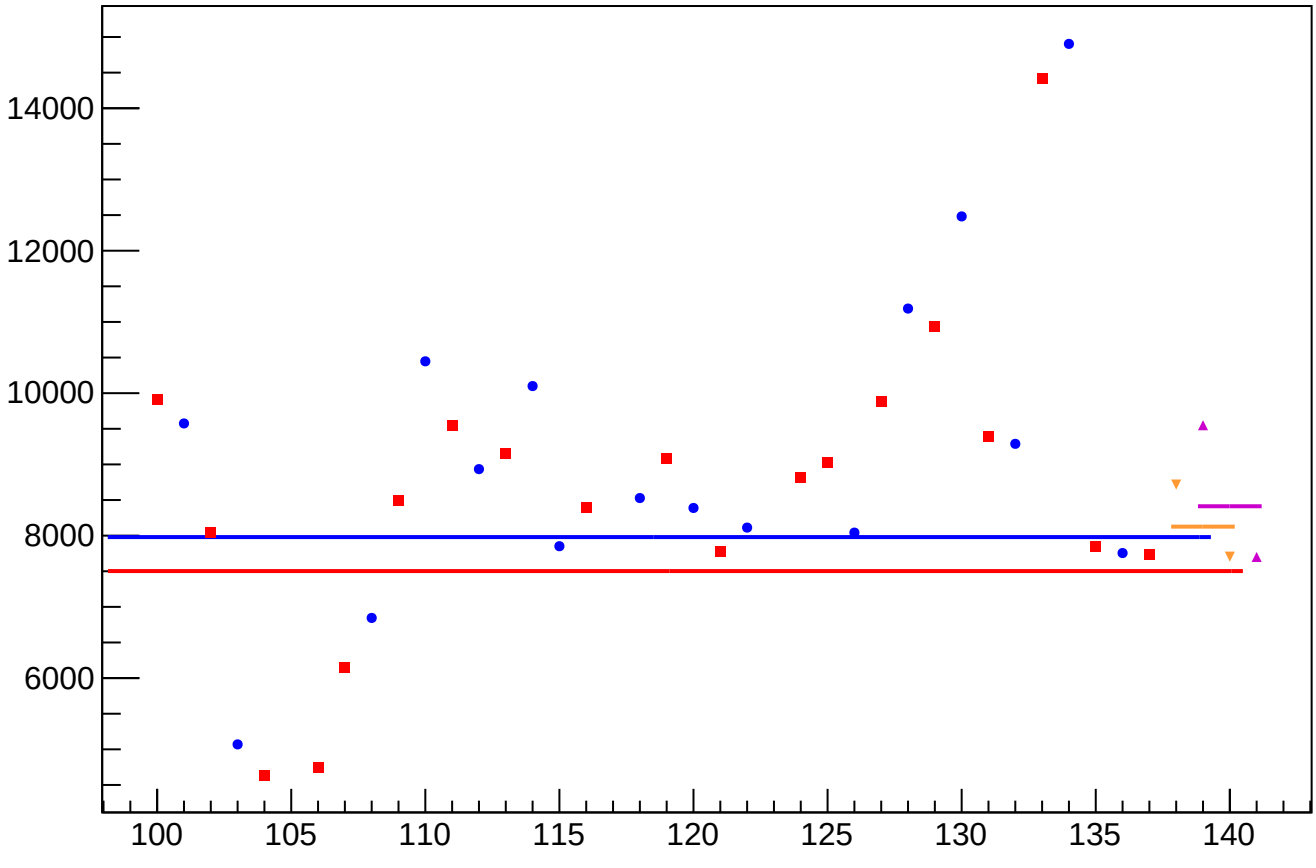
Left: 2172.235+/-4554.304 χ^2/NDF: 1.6/3

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -2687.425+/-2776.016 χ^2/NDF:13.8/17

Out: 285.819+/-2638.875 χ^2/NDF:18.3/20

All: -1125.549+/-1912.612 χ^2/NDF: 32.7/38



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8126.419+/-4.549 χ^2/NDF:12026.2/1

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8412.392+/-4.559 χ^2/NDF:38934.8/1

Left: 8269.093+/-3.220 χ^2/NDF: 52932.4/3

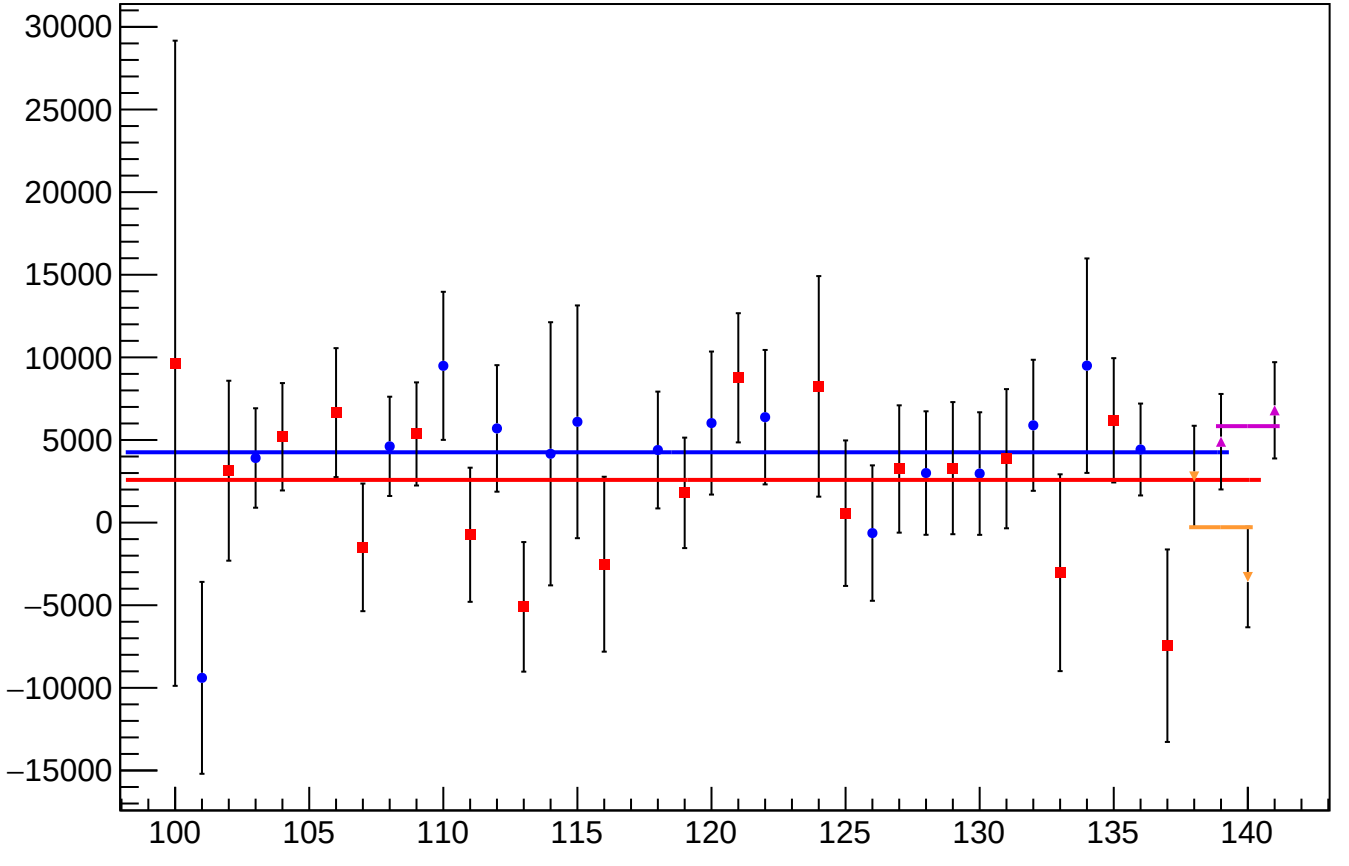
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8059.995+/-1.963 χ^2/NDF:969053.5/17

Out: 7607.618+/-1.866 χ^2/NDF:1163185.0/20

All: 7822.357+/-1.352 χ^2/NDF: 2160138.5/38

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: -278.592+/-2160.667 χ^2/NDF:2.0/1

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 5838.229+/-2051.781 χ^2/NDF:0.2/1

Left: 2937.825+/-1487.833 χ^2/NDF: 6.4/3

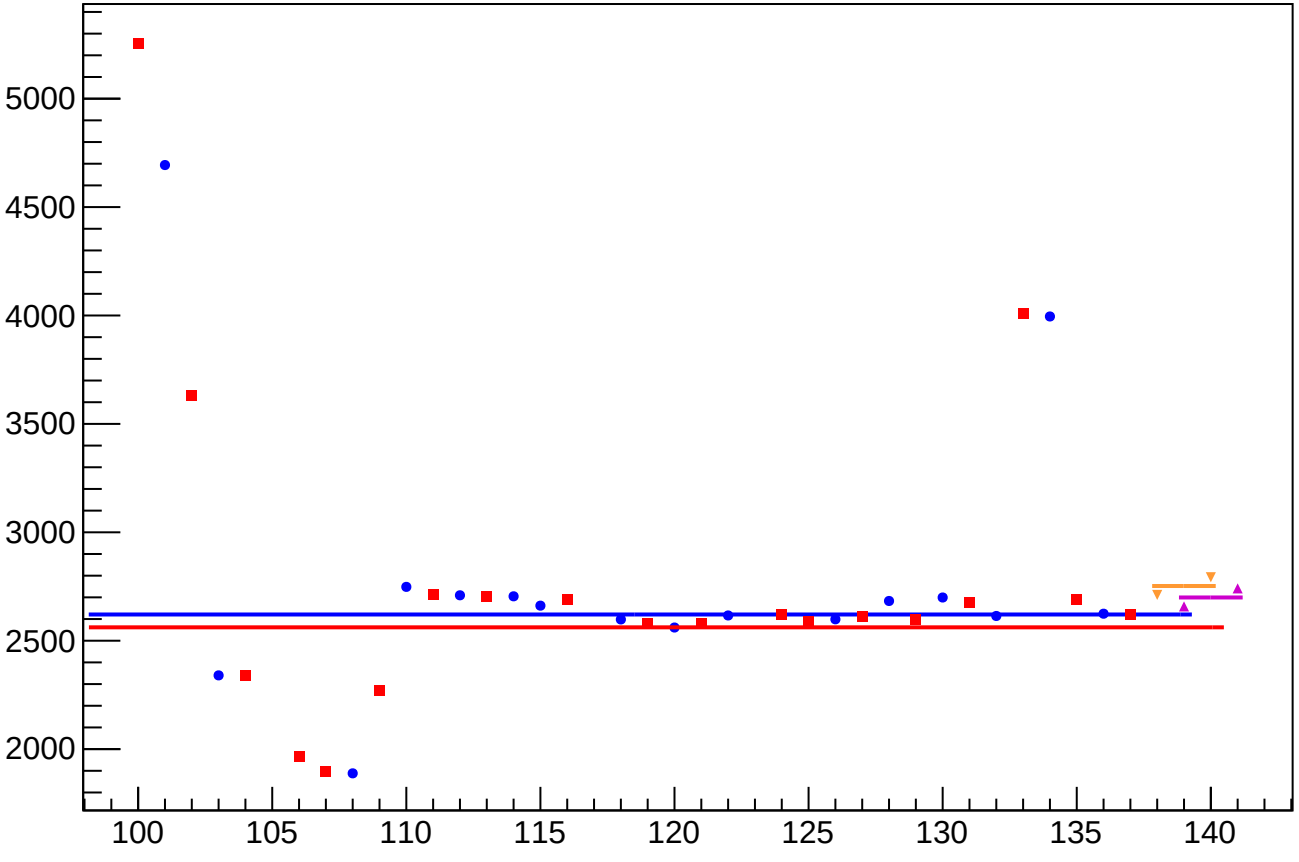
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4555.857+/-892.029 χ^2/NDF:10.7/17

Out: 2107.666+/-881.913 χ^2/NDF:21.1/20

All: 3317.800+/-627.153 χ^2/NDF: 35.6/38

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2752.318+/-1.528 χ^2/NDF:711.8/1

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2699.436+/-1.451 χ^2/NDF:821.5/1

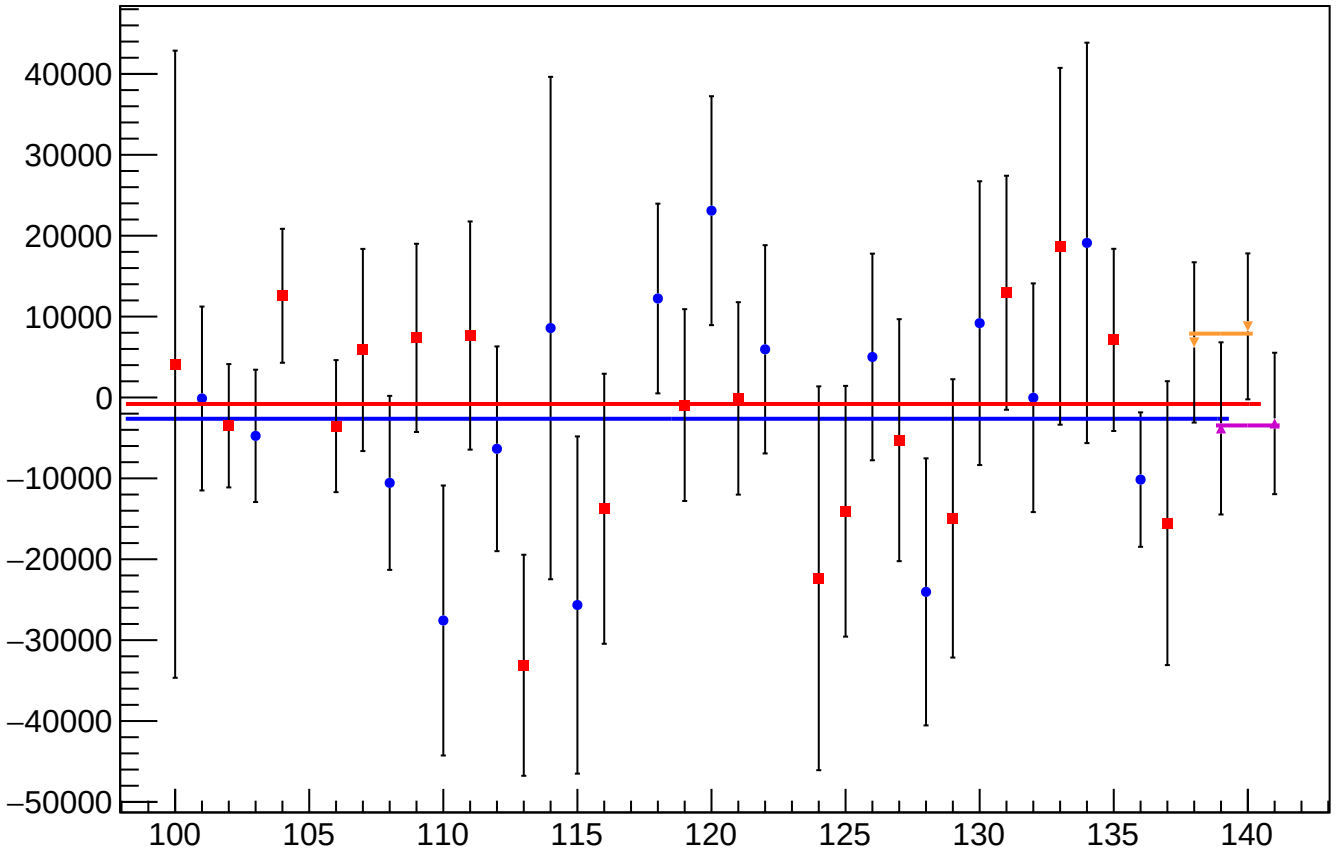
Left: 2724.511+/-1.052 χ^2/NDF: 2163.3/3

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2635.796+/-0.631 χ^2/NDF:489108.1/17

Out: 2593.441+/-0.623 χ^2/NDF:391944.2/20

All: 2614.367+/-0.443 χ^2/NDF: 883333.6/38



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 7892.824+/-6670.968 χ^2/NDF:0.0/1

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: -3457.816+/-6755.386 χ^2/NDF:0.0/1

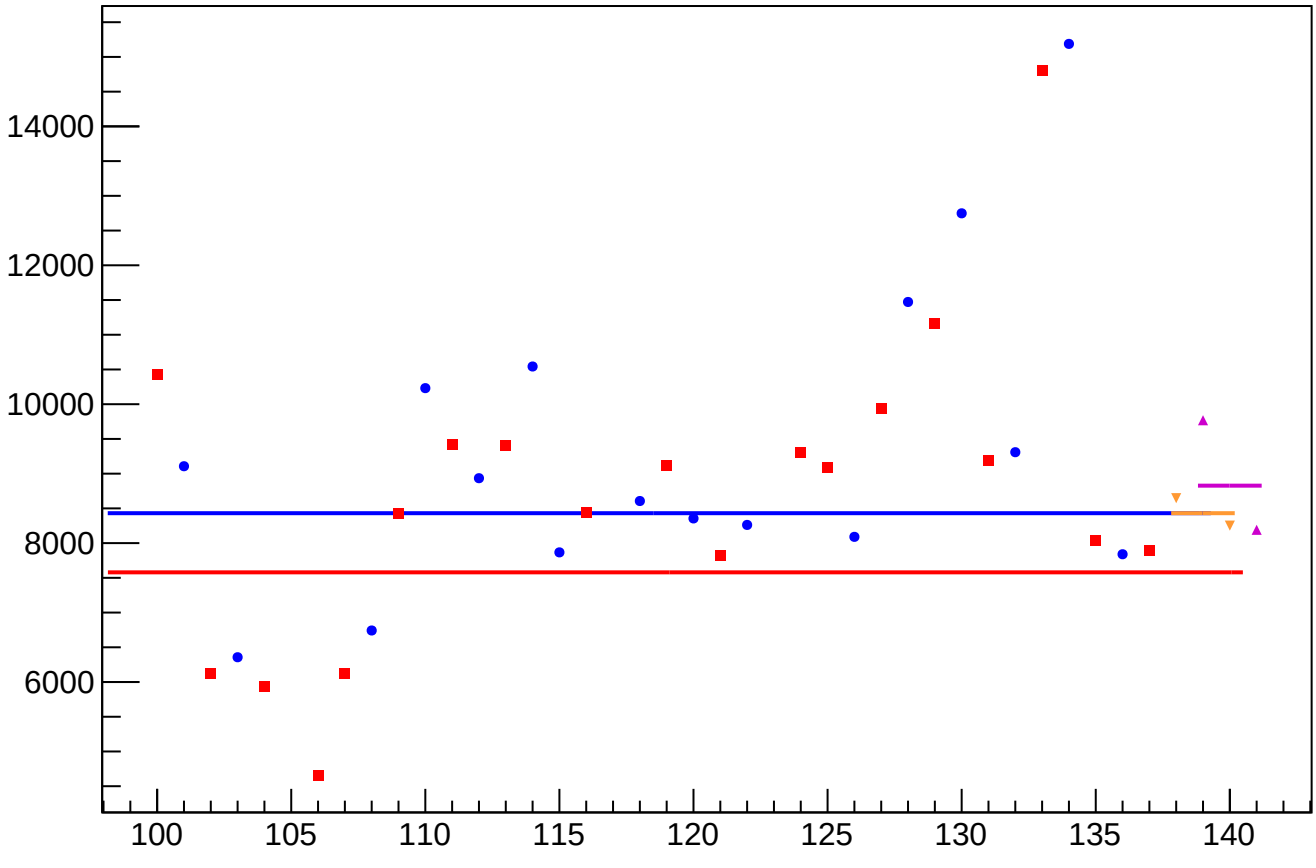
Left: 2288.868+/-4746.651 χ^2/NDF: 1.5/3

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -2784.168+/-2900.432 χ^2/NDF:13.8/17

Out: 557.587+/-2638.642 χ^2/NDF:16.9/20

All: -955.703+/-1951.805 χ^2/NDF: 31.4/38



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8430.884+/-4.717 χ^2/NDF:1738.6/1

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8827.220+/-4.777 χ^2/NDF:26236.0/1

Left: 8626.560+/-3.356 χ^2/NDF: 31460.1/3

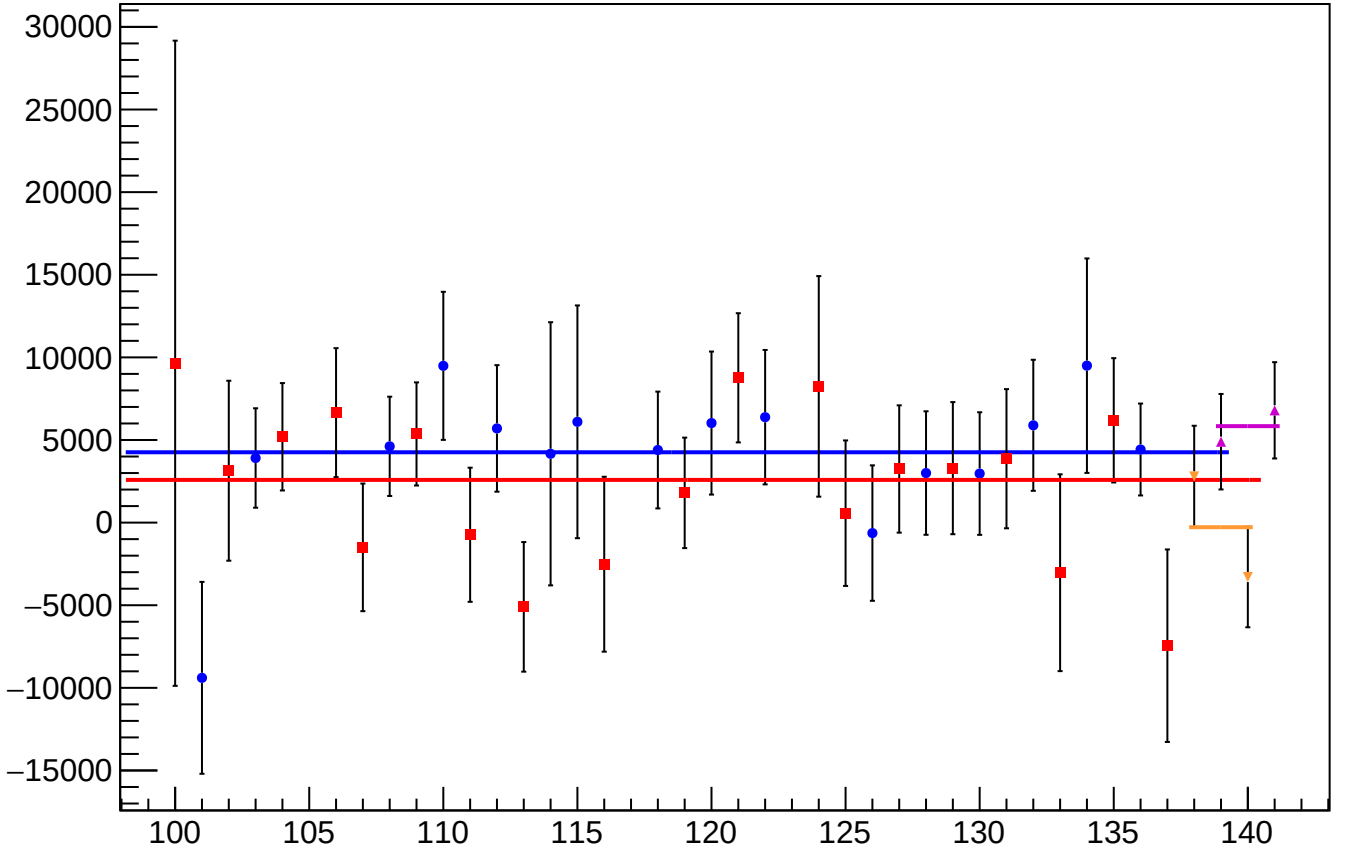
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8503.851+/-2.051 χ^2/NDF:612149.6/17

Out: 7712.374+/-1.866 χ^2/NDF:1003370.3/20

All: 8070.789+/-1.380 χ^2/NDF: 1697007.8/38

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: -278.604+/-2160.668 χ^2/NDF:2.0/1

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 5838.190+/-2051.781 χ^2/NDF:0.2/1

Left: 2937.798+/-1487.834 χ^2/NDF: 6.4/3

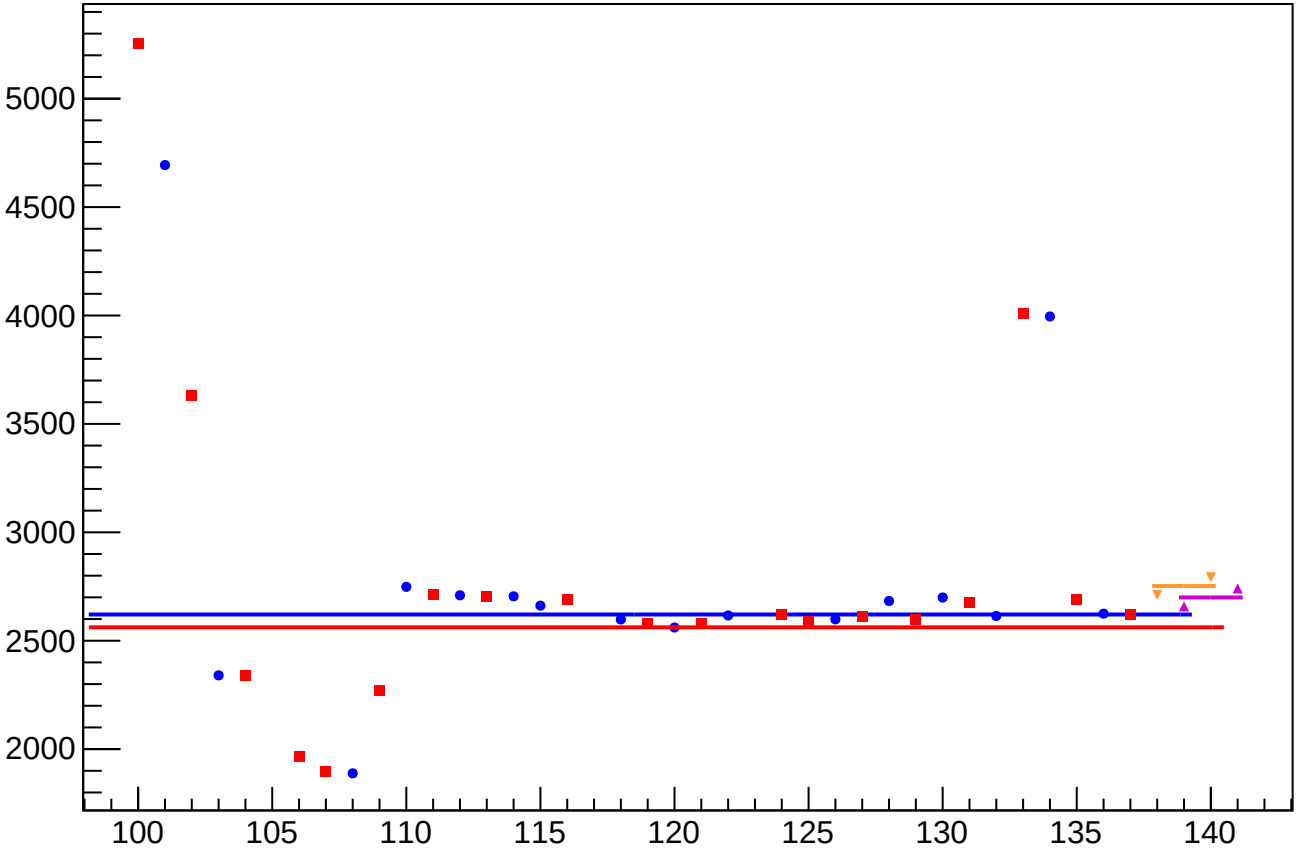
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4555.856+/-892.029 χ^2/NDF:10.7/17

Out: 2107.673+/-881.913 χ^2/NDF:21.1/20

All: 3317.803+/-627.153 χ^2/NDF: 35.6/38

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2752.318+/-1.528 χ^2/NDF:711.8/1

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2699.437+/-1.451 χ^2/NDF:821.4/1

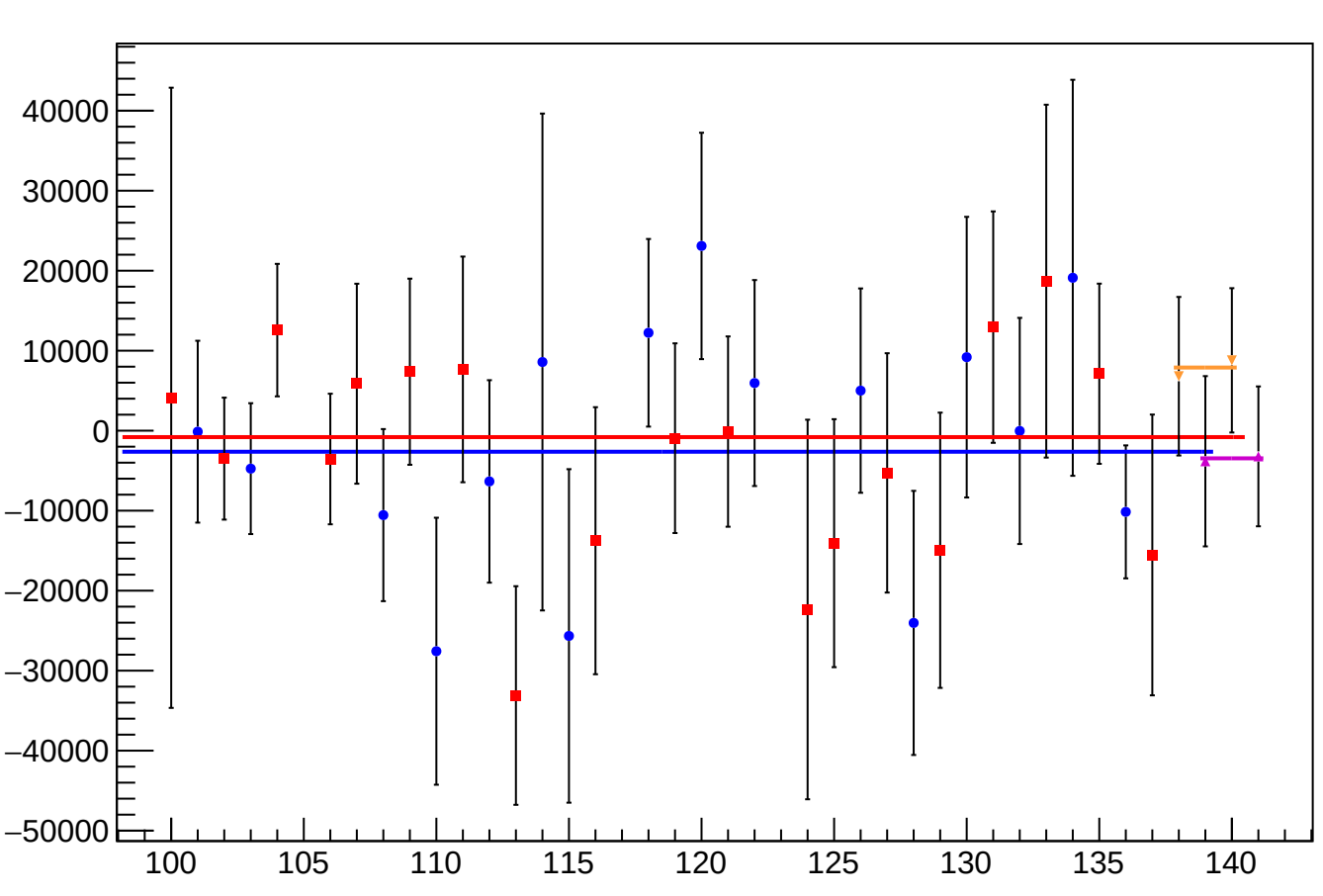
Left: 2724.512+/-1.052 χ^2/NDF: 2163.2/3

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2635.796+/-0.631 χ^2/NDF:489108.4/17

Out: 2593.441+/-0.623 χ^2/NDF:391943.6/20

All: 2614.367+/-0.443 χ^2/NDF: 883333.3/38



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 7892.816+/-6670.972 χ^2/NDF:0.0/1

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: -3457.856+/-6755.391 χ^2/NDF:0.0/1

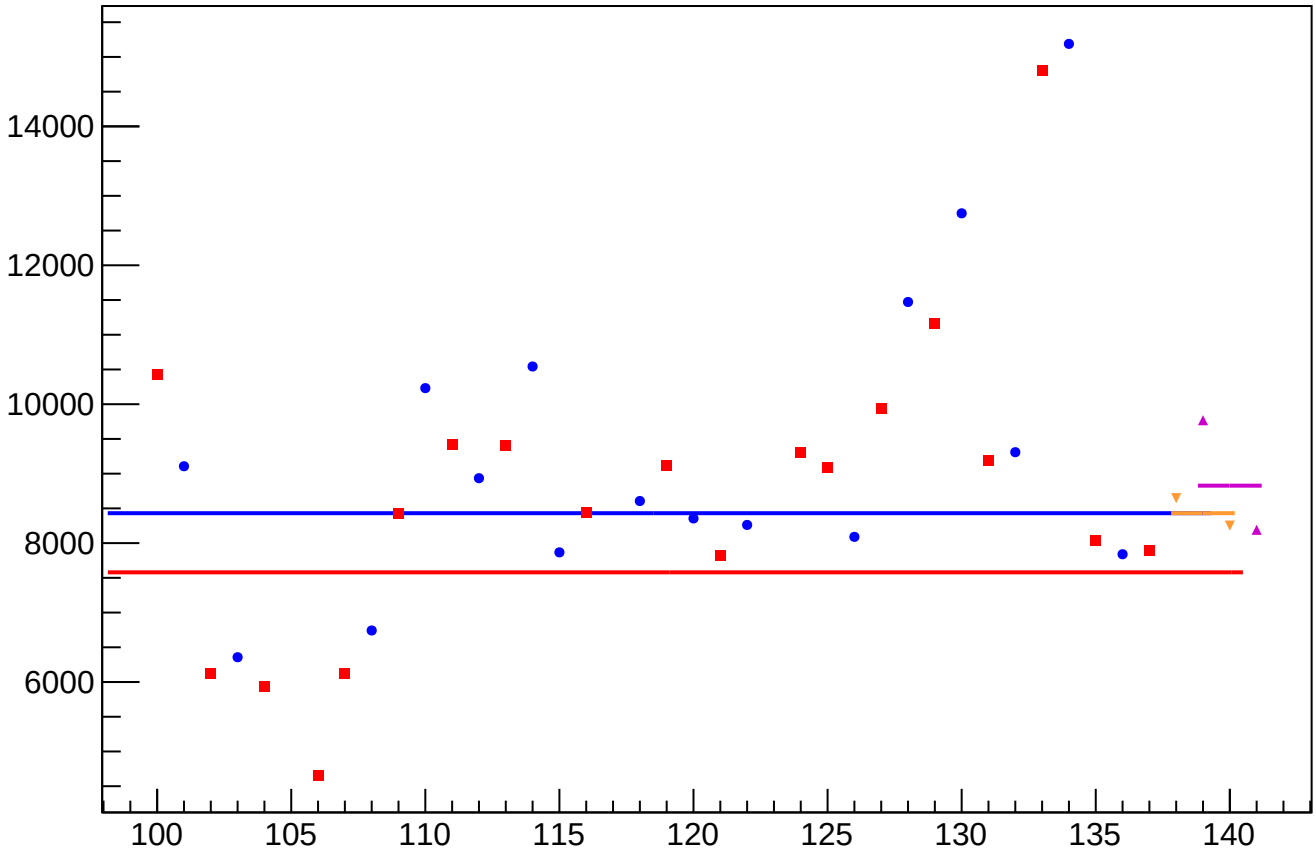
Left: 2288.845+/-4746.655 χ^2/NDF: 1.5/3

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -2784.147+/-2900.429 χ^2/NDF:13.8/17

Out: 557.584+/-2638.638 χ^2/NDF:16.9/20

All: -955.695+/-1951.803 χ^2/NDF: 31.4/38



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8430.889+/-4.717 χ^2/NDF:1738.8/1

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8827.226+/-4.777 χ^2/NDF:26236.7/1

Left: 8626.566+/-3.356 χ^2/NDF: 31460.9/3

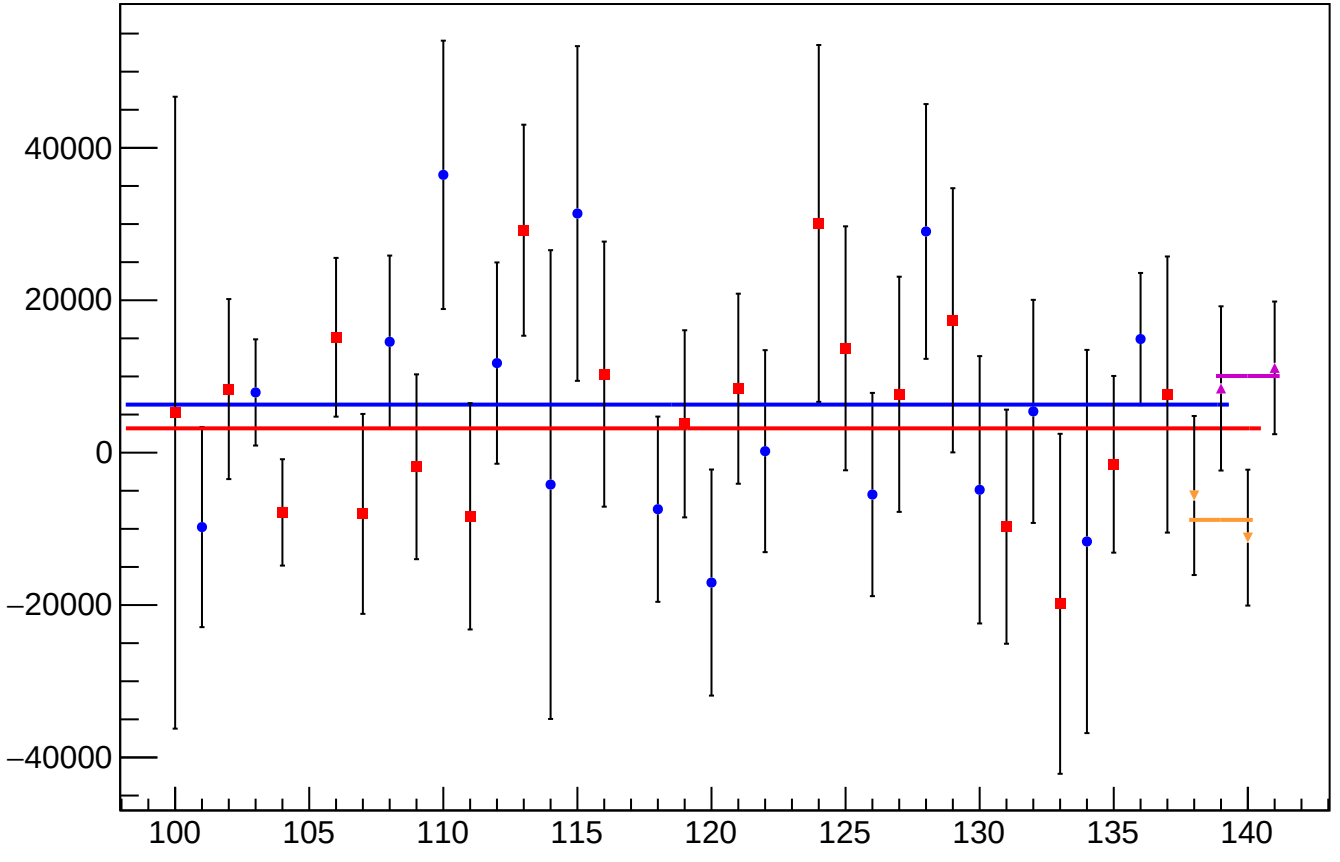
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8503.844+/-2.051 χ^2/NDF:612145.0/17

Out: 7712.365+/-1.866 χ^2/NDF:1003367.8/20

All: 8070.780+/-1.380 χ^2/NDF: 1697001.4/38

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -8819.853+/-6780.310 χ^2/NDF:0.2/1

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 10062.859+/-6771.532 χ^2/NDF:0.0/1

Left: 633.733+/-4791.297 χ^2/NDF: 4.1/3

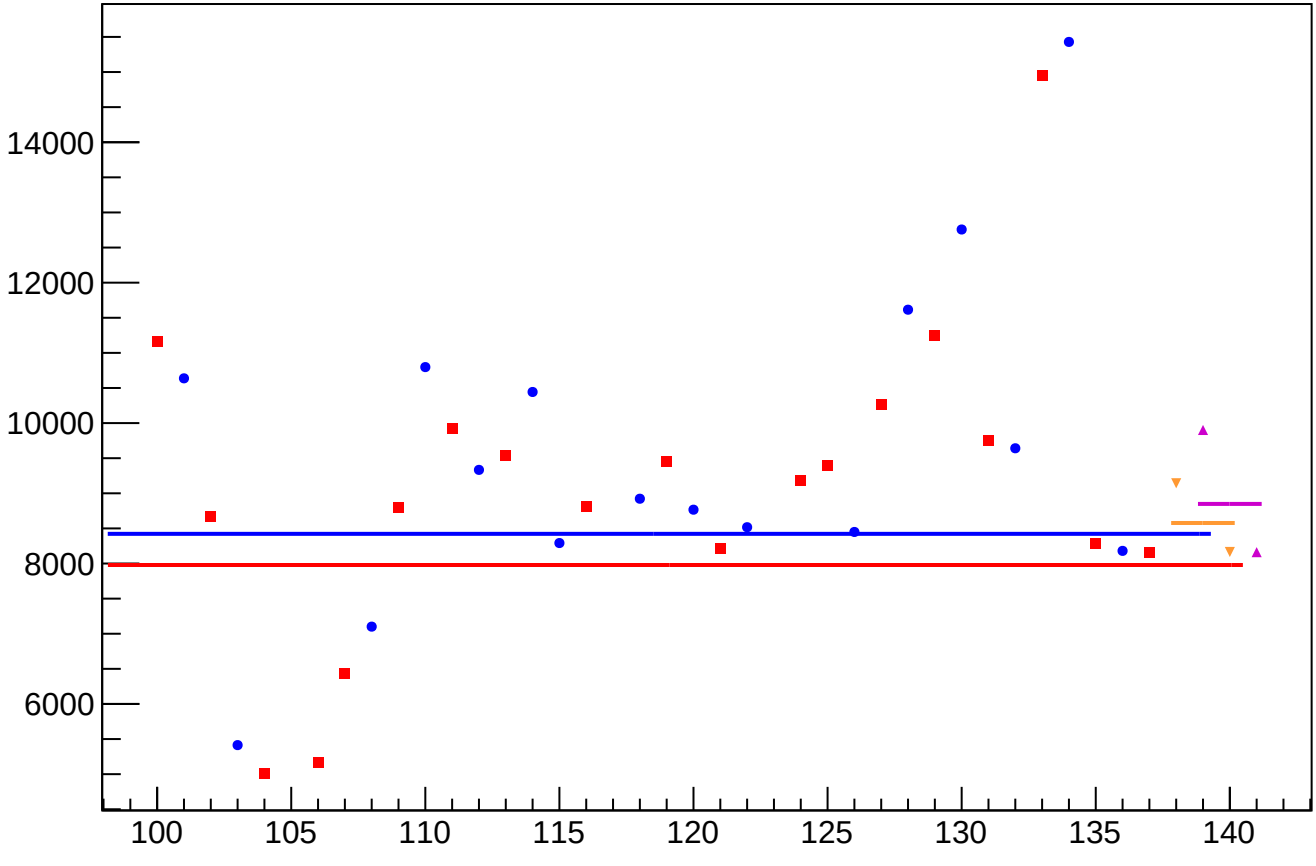
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 7006.597+/-2922.455 χ^2/NDF:15.4/17

Out: 1147.699+/-2795.656 χ^2/NDF:16.7/20

All: 3947.291+/-2020.167 χ^2/NDF: 34.1/38

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8577.347+/-4.794 χ^2/NDF:10157.7/1

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8848.889+/-4.788 χ^2/NDF:31566.0/1

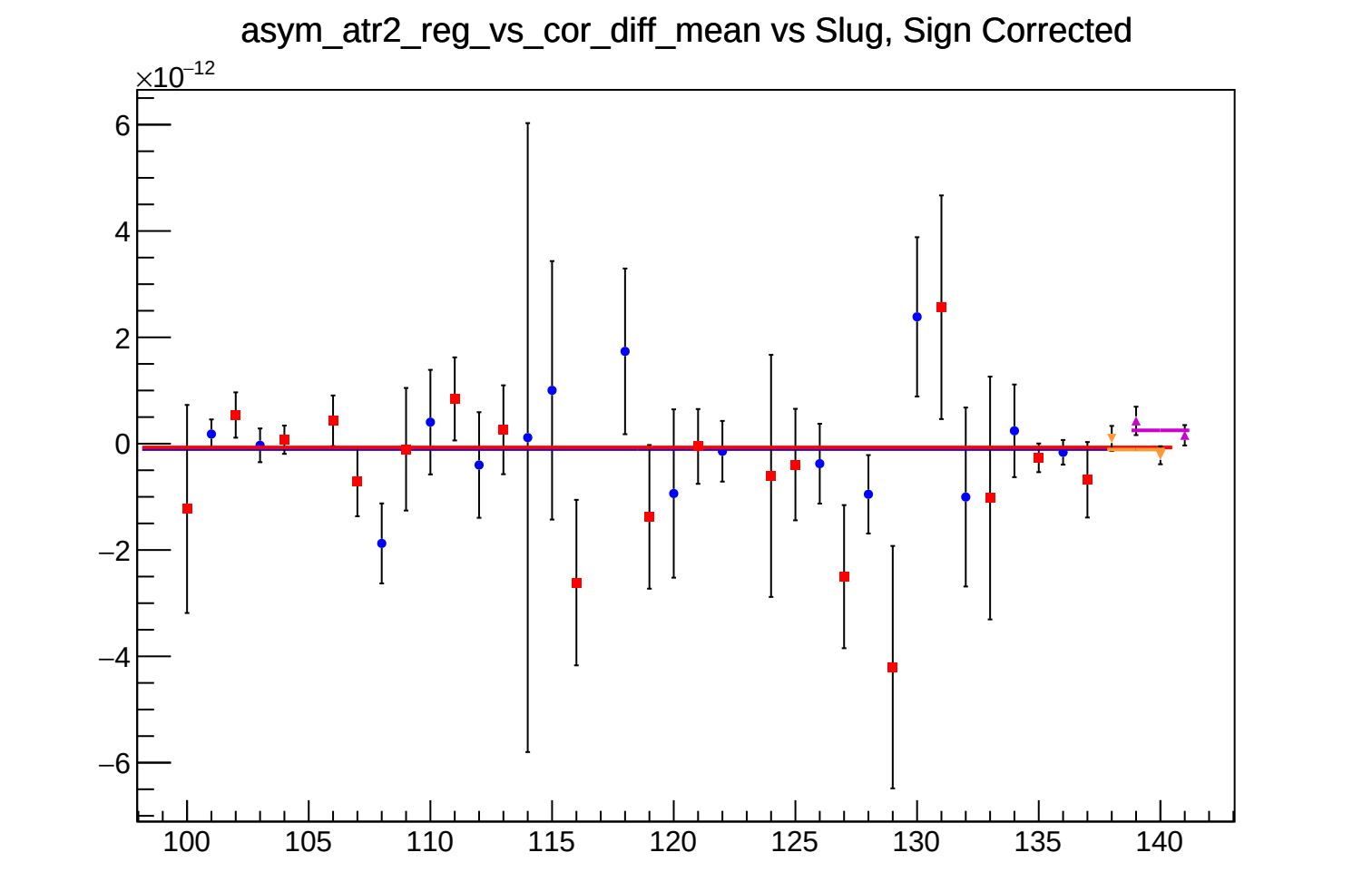
Left: 8713.294+/-3.388 χ^2/NDF: 43329.6/3

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8502.097+/-2.066 χ^2/NDF:919846.2/17

Out: 8080.718+/-1.977 χ^2/NDF:1039104.3/20

All: 8282.065+/-1.428 χ^2/NDF: 1980662.1/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

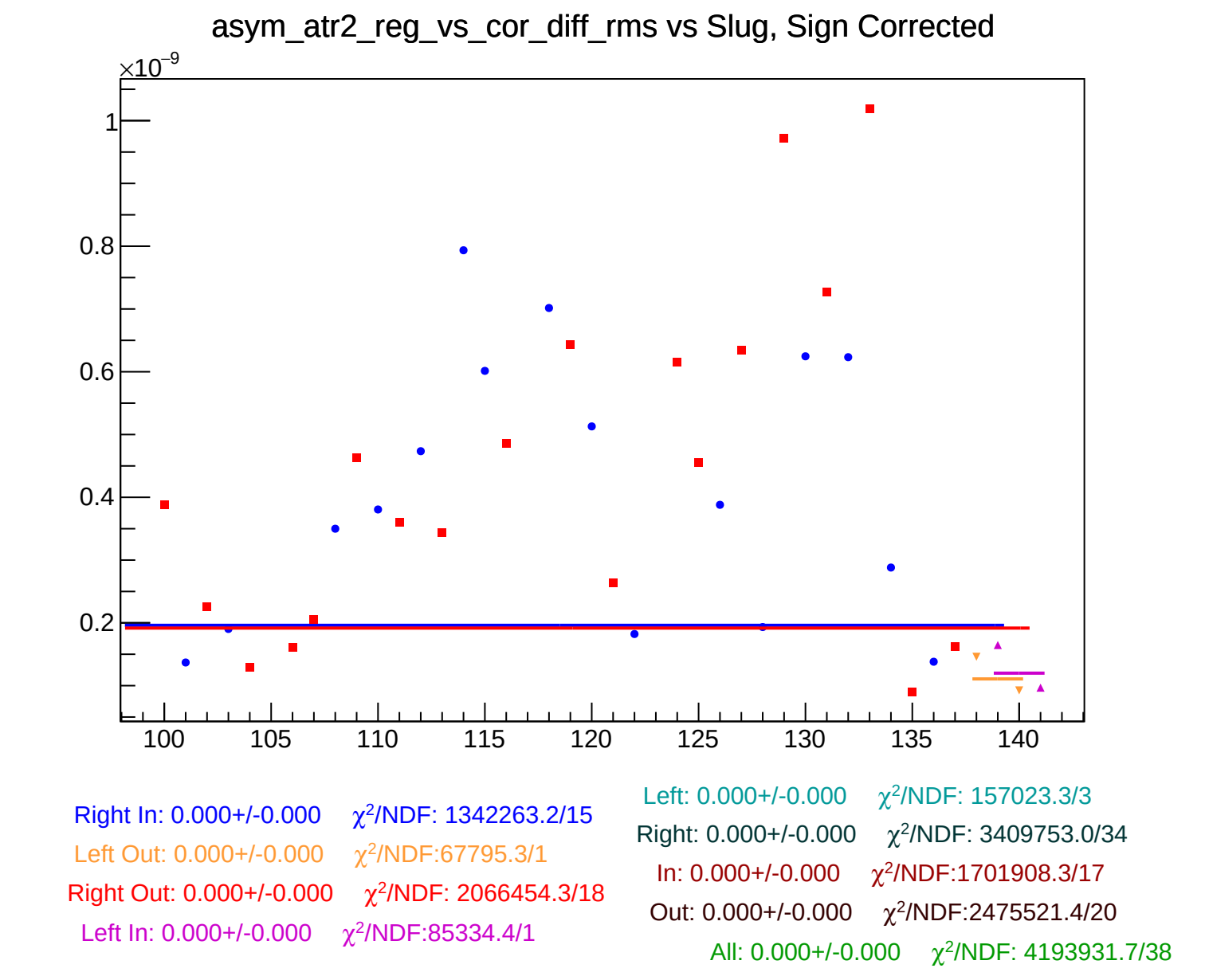
Left: 0.000+/-0.000 χ^2/NDF: 4.8/3

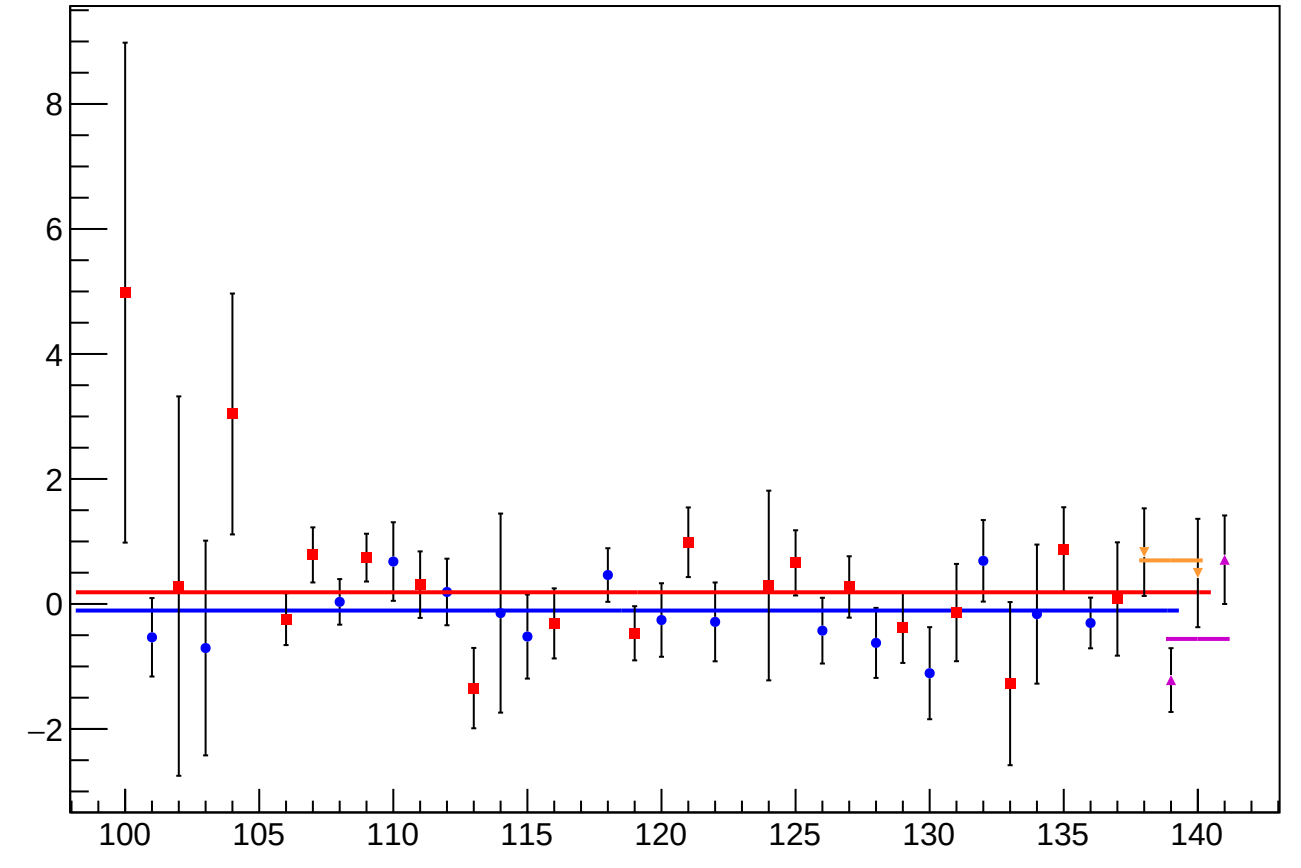
Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: 0.000+/-0.000 χ^2/NDF:17.2/17

Out: -0.000+/-0.000 χ^2/NDF:20.8/20

All: -0.000+/-0.000 χ^2/NDF: 39.0/38


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:67795.3/1
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:85334.4/1
Left: 0.000+/-0.000 χ²/NDF: 157023.3/3
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:1701908.3/17
Out: 0.000+/-0.000 χ²/NDF:2475521.4/20
All: 0.000+/-0.000 χ²/NDF: 4193931.7/38



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.697+/-0.545 χ^2/NDF:0.1/1

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.560+/-0.414 χ^2/NDF:4.9/1

Left: -0.100+/-0.330 χ^2/NDF: 8.3/3

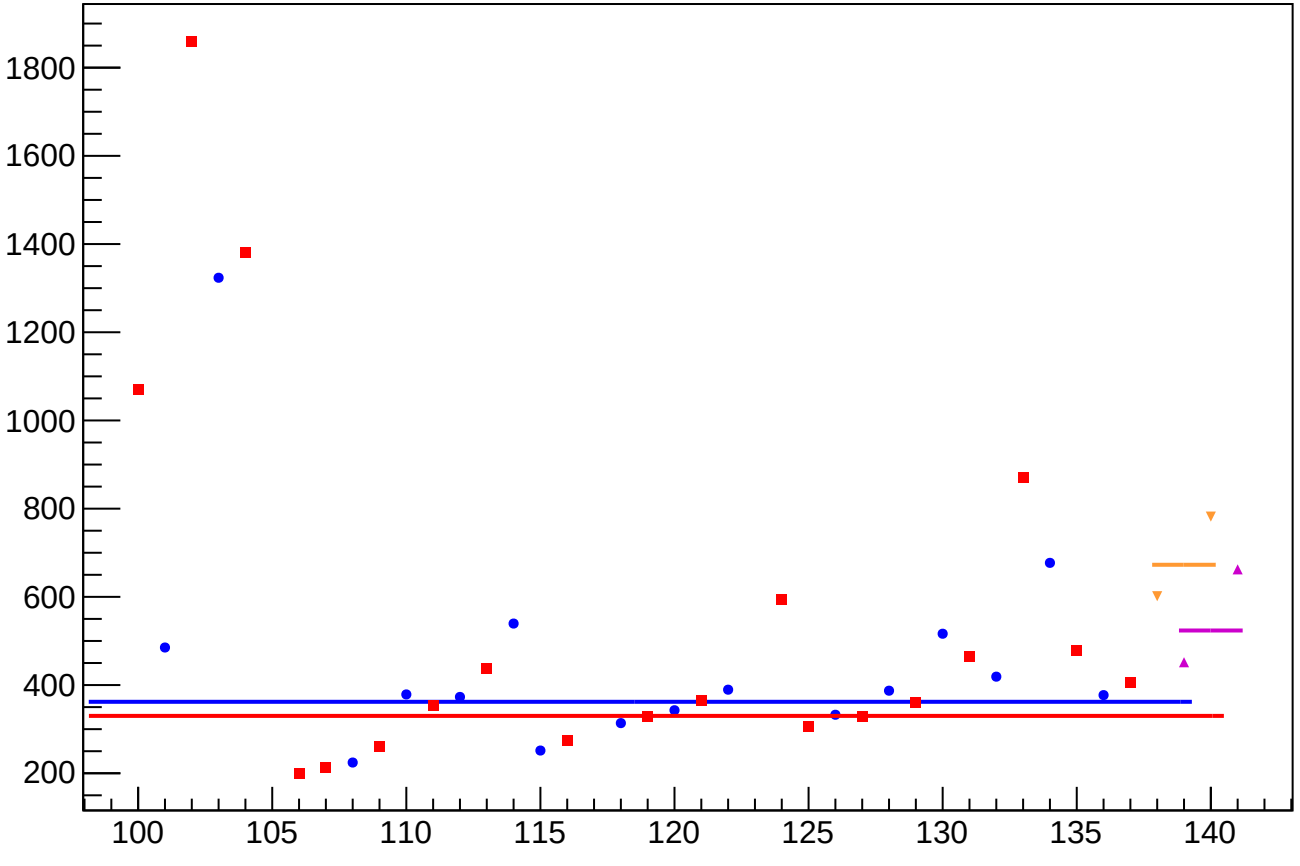
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.155+/-0.137 χ^2/NDF:15.6/17

Out: 0.217+/-0.133 χ^2/NDF:24.8/20

All: 0.036+/-0.095 χ^2/NDF: 44.2/38

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 672.750+/-0.385 χ^2/NDF:52444.1/1

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 523.728+/-0.293 χ^2/NDF:116379.8/1

Left: 578.281+/-0.233 χ^2/NDF: 263620.9/3

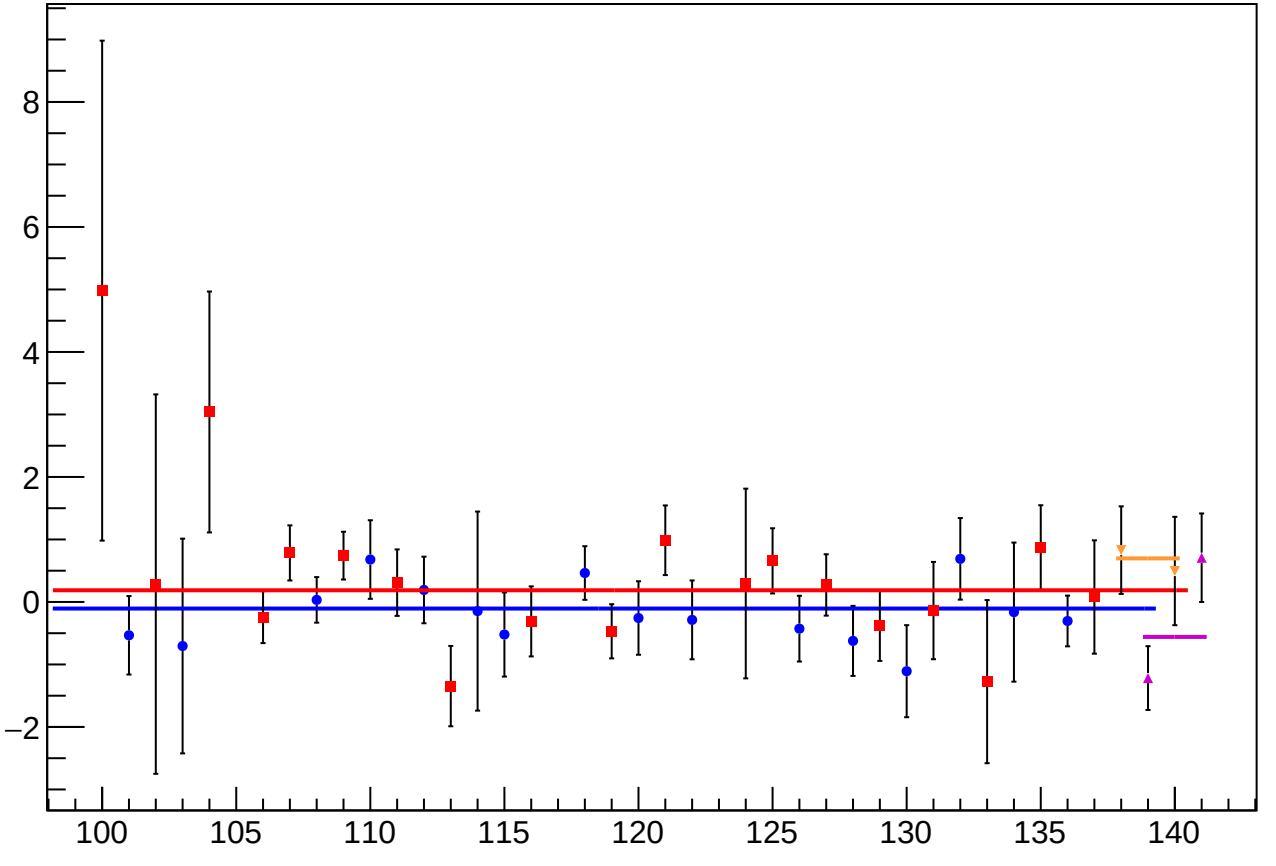
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 379.625+/-0.097 χ^2/NDF:1765402.9/17

Out: 350.566+/-0.094 χ^2/NDF:3042370.9/20

All: 364.735+/-0.067 χ^2/NDF: 4854156.6/38

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.697+/-0.545 χ^2/NDF:0.1/1

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.560+/-0.414 χ^2/NDF:4.9/1

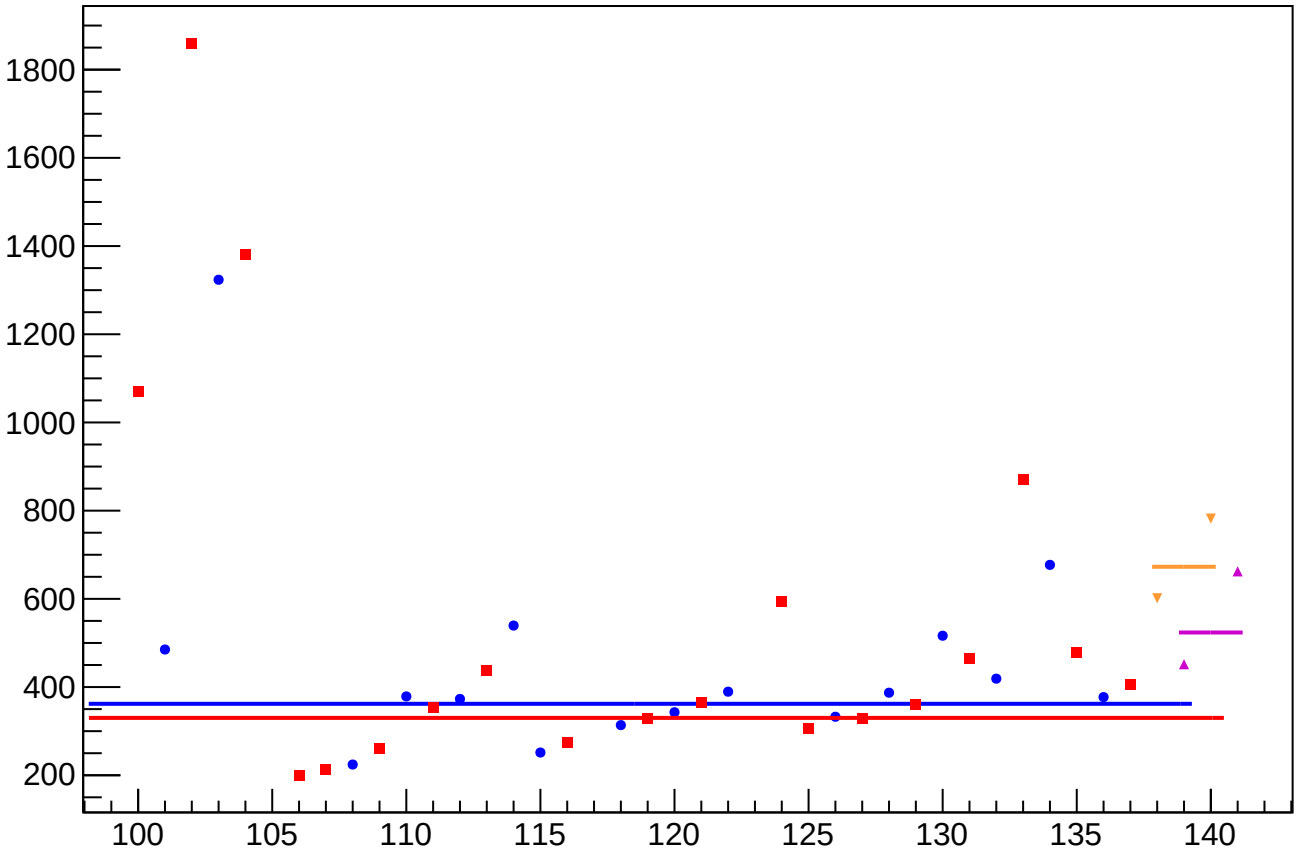
Left: -0.100+/-0.330 χ^2/NDF: 8.3/3

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.155+/-0.137 χ^2/NDF:15.6/17

Out: 0.217+/-0.133 χ^2/NDF:24.8/20

All: 0.036+/-0.095 χ^2/NDF: 44.2/38



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 672.750+/-0.385 χ^2/NDF:52444.1/1

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 523.728+/-0.293 χ^2/NDF:116379.8/1

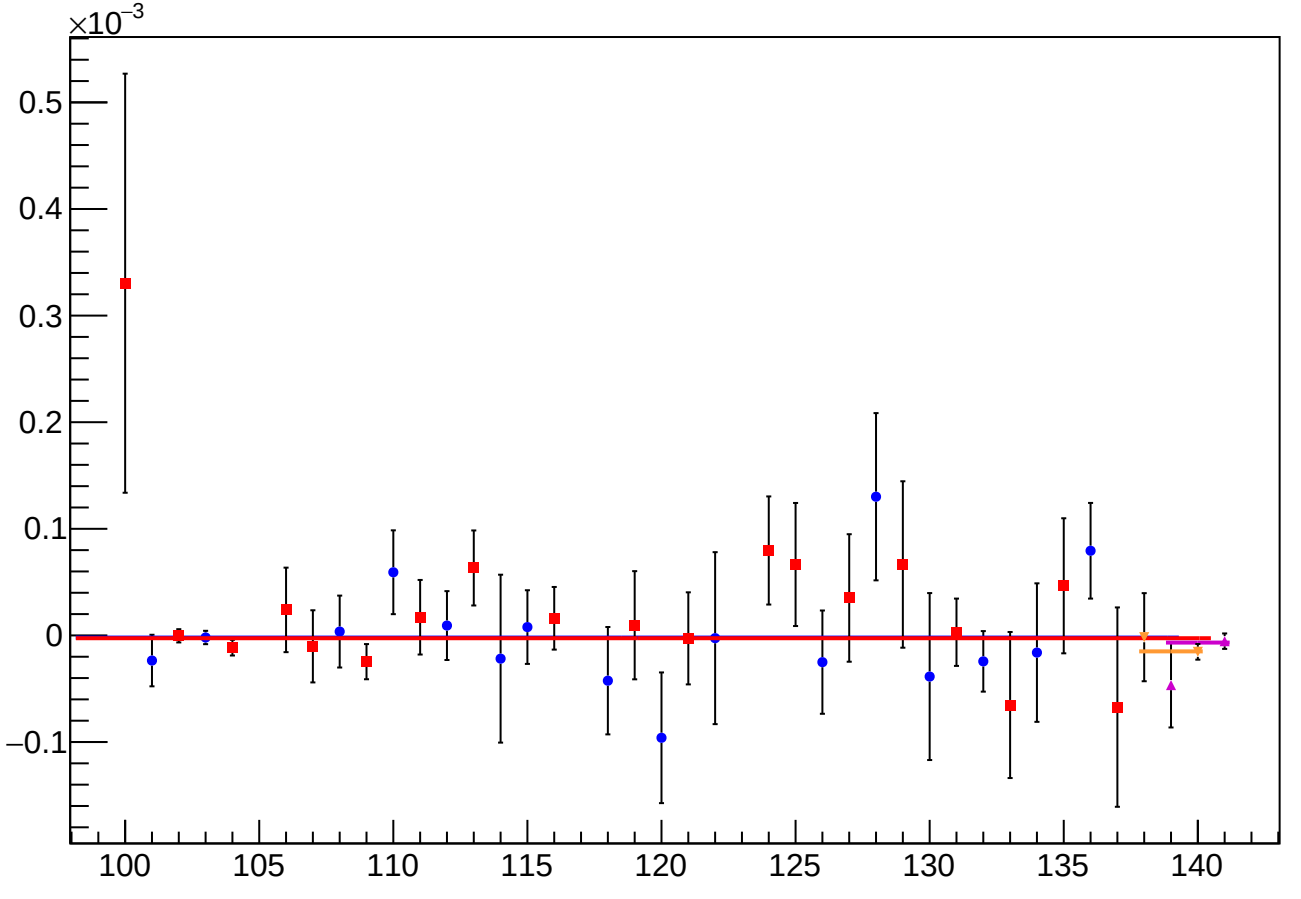
Left: 578.281+/-0.233 χ^2/NDF: 263620.9/3

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 379.625+/-0.097 χ^2/NDF:1765402.9/17

Out: 350.566+/-0.094 χ^2/NDF:3042370.9/20

All: 364.735+/-0.067 χ^2/NDF: 4854156.6/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

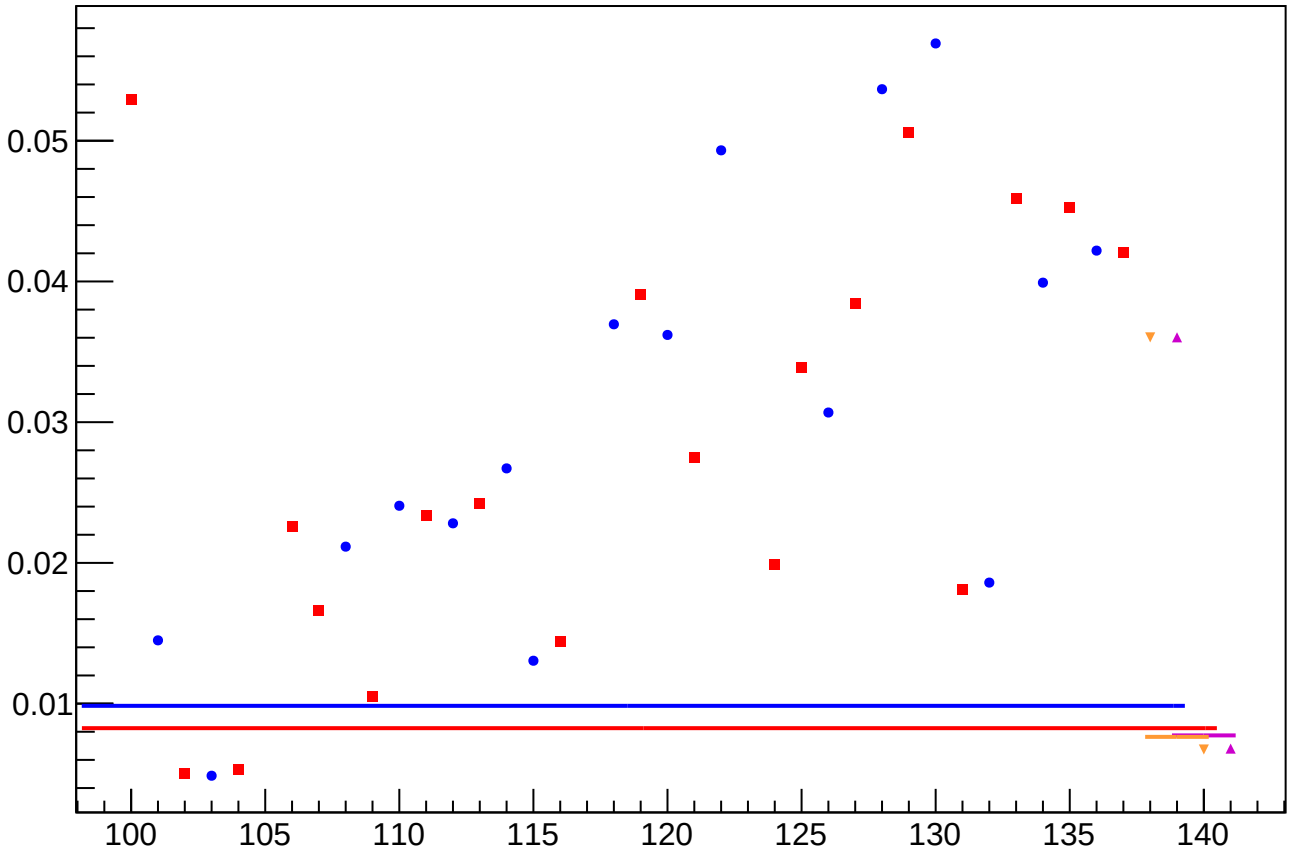
Left: -0.000+/-0.000 χ^2/NDF: 1.8/3

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:15.1/17

Out: -0.000+/-0.000 χ^2/NDF:20.5/20

All: -0.000+/-0.000 χ^2/NDF: 35.7/38



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:974024.4/1

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.008+/-0.000 χ^2/NDF:1045615.1/1

Left: 0.008+/-0.000 χ^2/NDF: 2019849.0/3

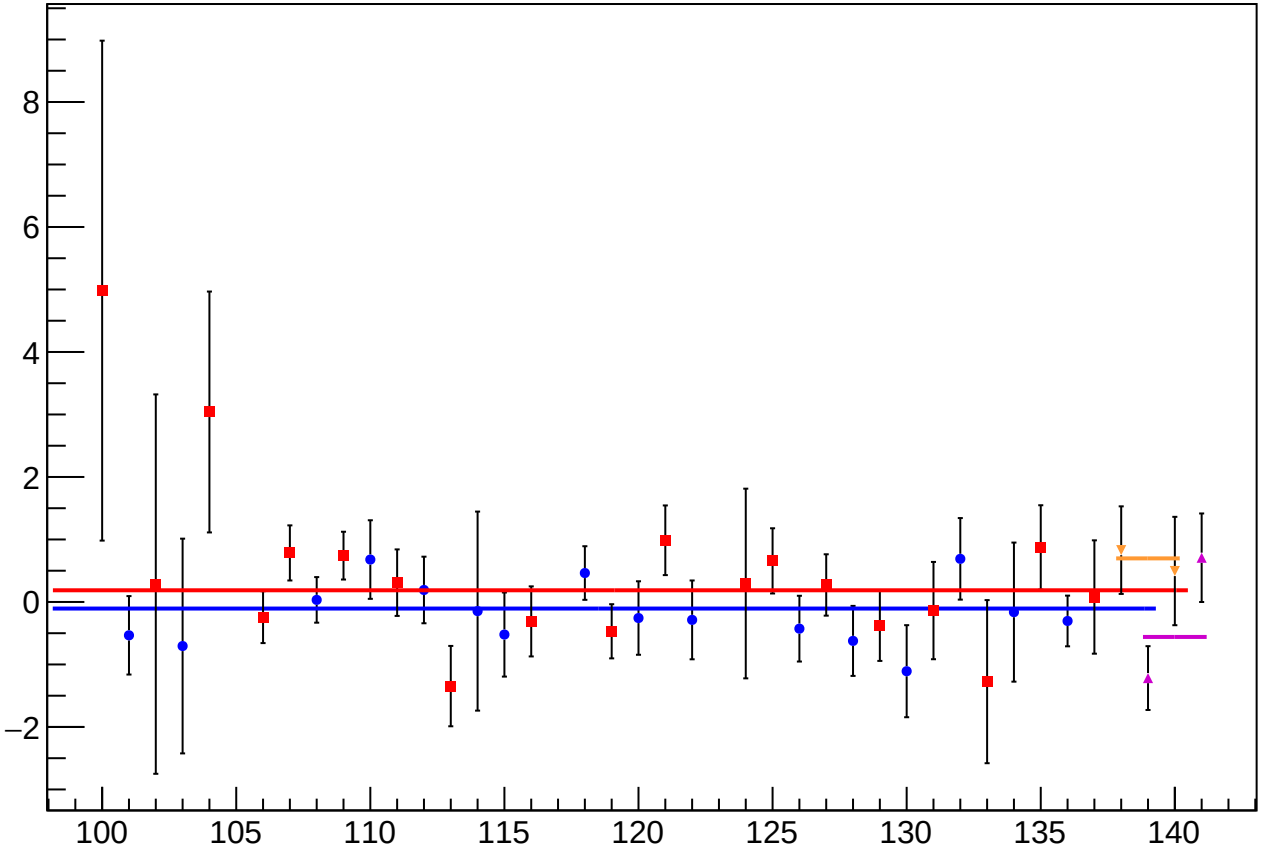
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.009+/-0.000 χ^2/NDF:8208358.0/17

Out: 0.008+/-0.000 χ^2/NDF:7725872.1/20

All: 0.009+/-0.000 χ^2/NDF: 15993986.7/38

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.697+/-0.545 χ^2/NDF:0.1/1

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.560+/-0.414 χ^2/NDF:4.9/1

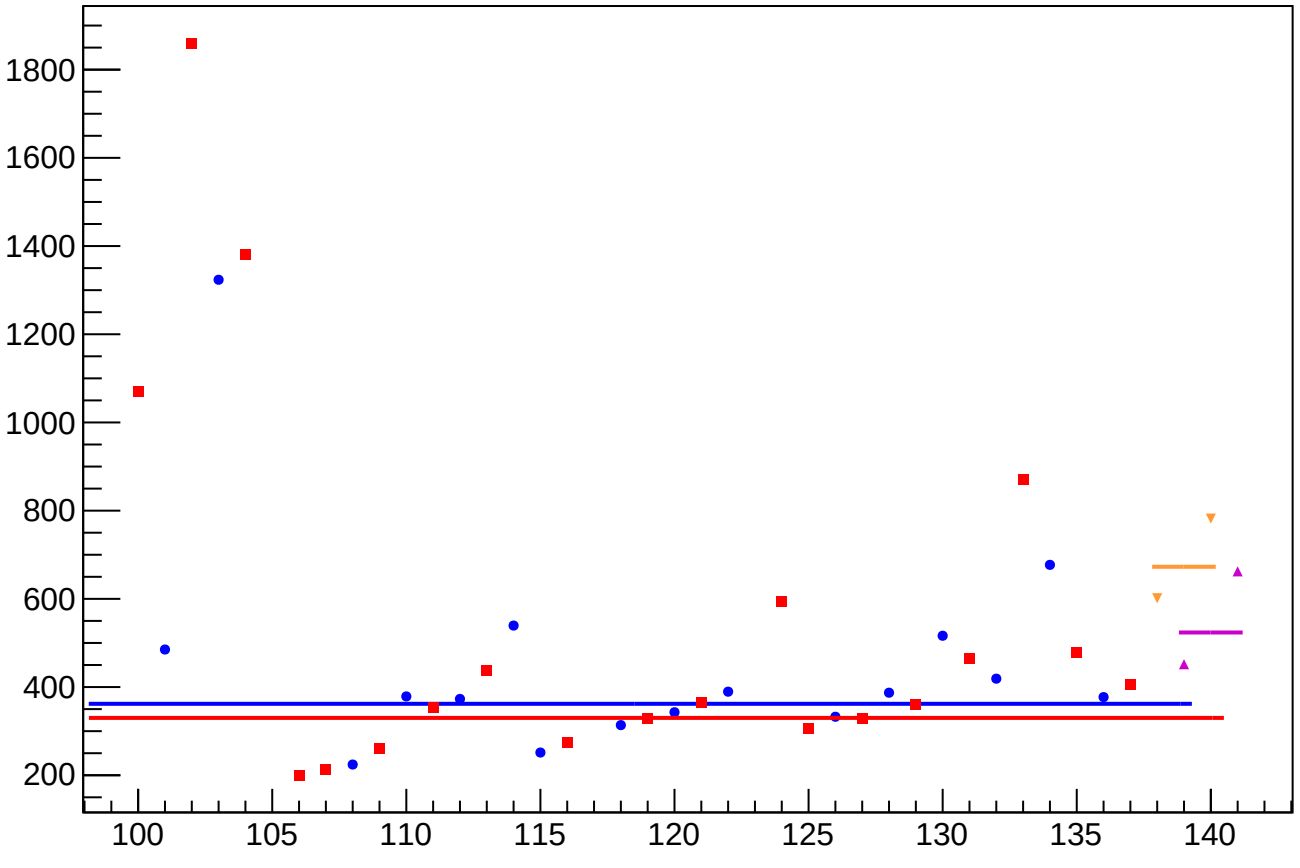
Left: -0.100+/-0.330 χ^2/NDF: 8.3/3

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.155+/-0.137 χ^2/NDF:15.6/17

Out: 0.217+/-0.133 χ^2/NDF:24.8/20

All: 0.036+/-0.095 χ^2/NDF: 44.2/38



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 672.757+/-0.385 χ^2/NDF:52436.6/1

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 523.734+/-0.293 χ^2/NDF:116368.1/1

Left: 578.288+/-0.233 χ^2/NDF: 263601.0/3

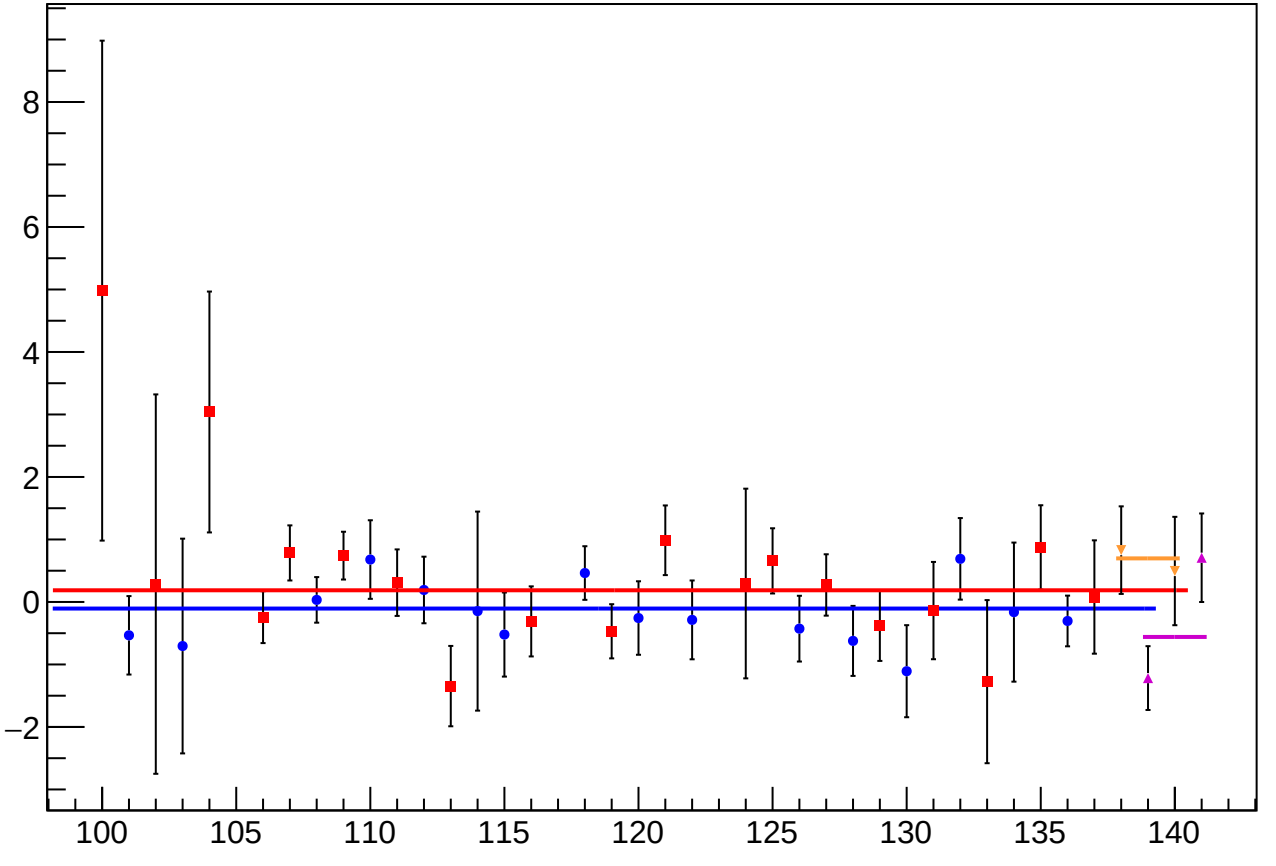
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 379.622+/-0.097 χ^2/NDF:1765419.5/17

Out: 350.565+/-0.094 χ^2/NDF:3042378.9/20

All: 364.733+/-0.067 χ^2/NDF: 4854178.7/38

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.697+/-0.545 χ^2/NDF:0.1/1

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.560+/-0.414 χ^2/NDF:4.9/1

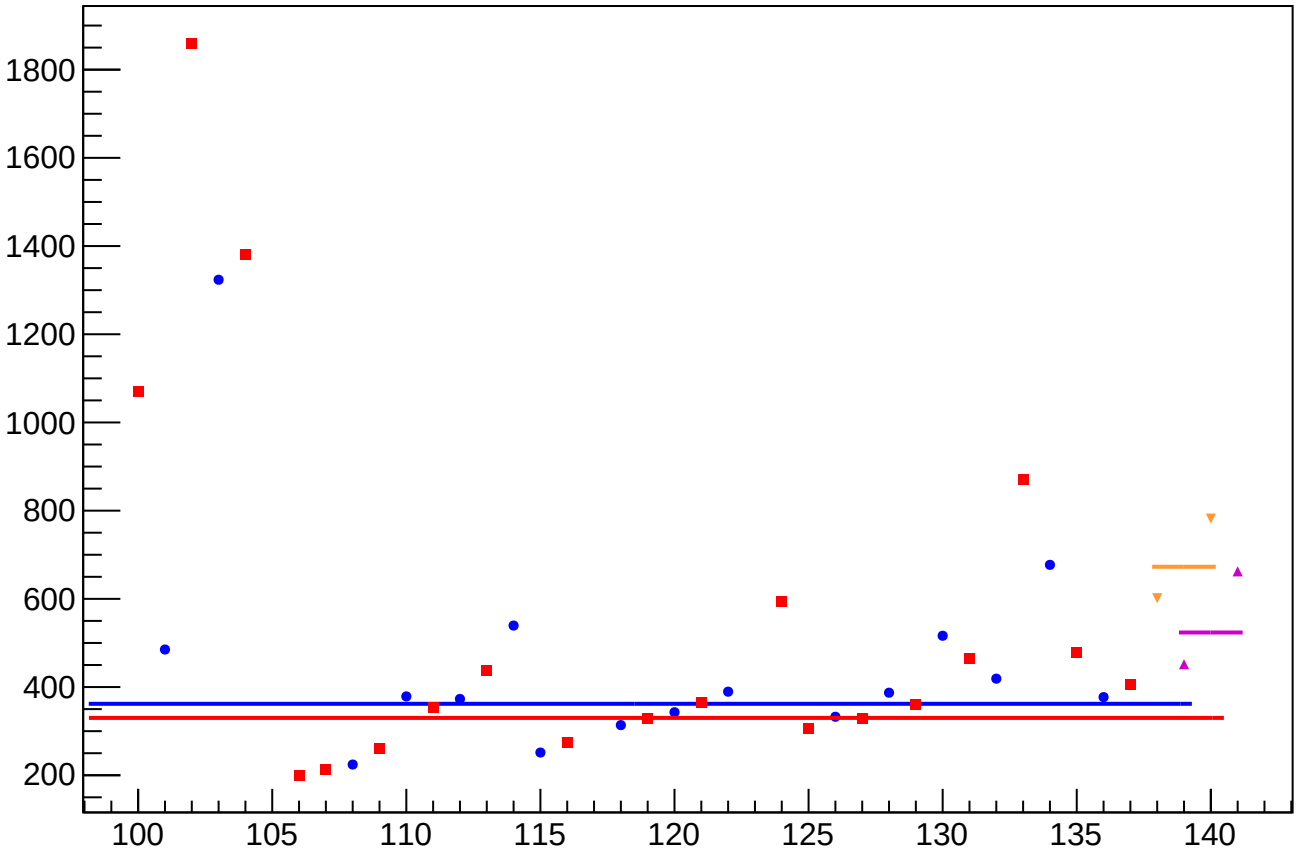
Left: -0.100+/-0.330 χ^2/NDF: 8.3/3

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.155+/-0.137 χ^2/NDF:15.6/17

Out: 0.217+/-0.133 χ^2/NDF:24.8/20

All: 0.036+/-0.095 χ^2/NDF: 44.2/38



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 672.757+/-0.385 χ^2/NDF:52436.6/1

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 523.734+/-0.293 χ^2/NDF:116368.1/1

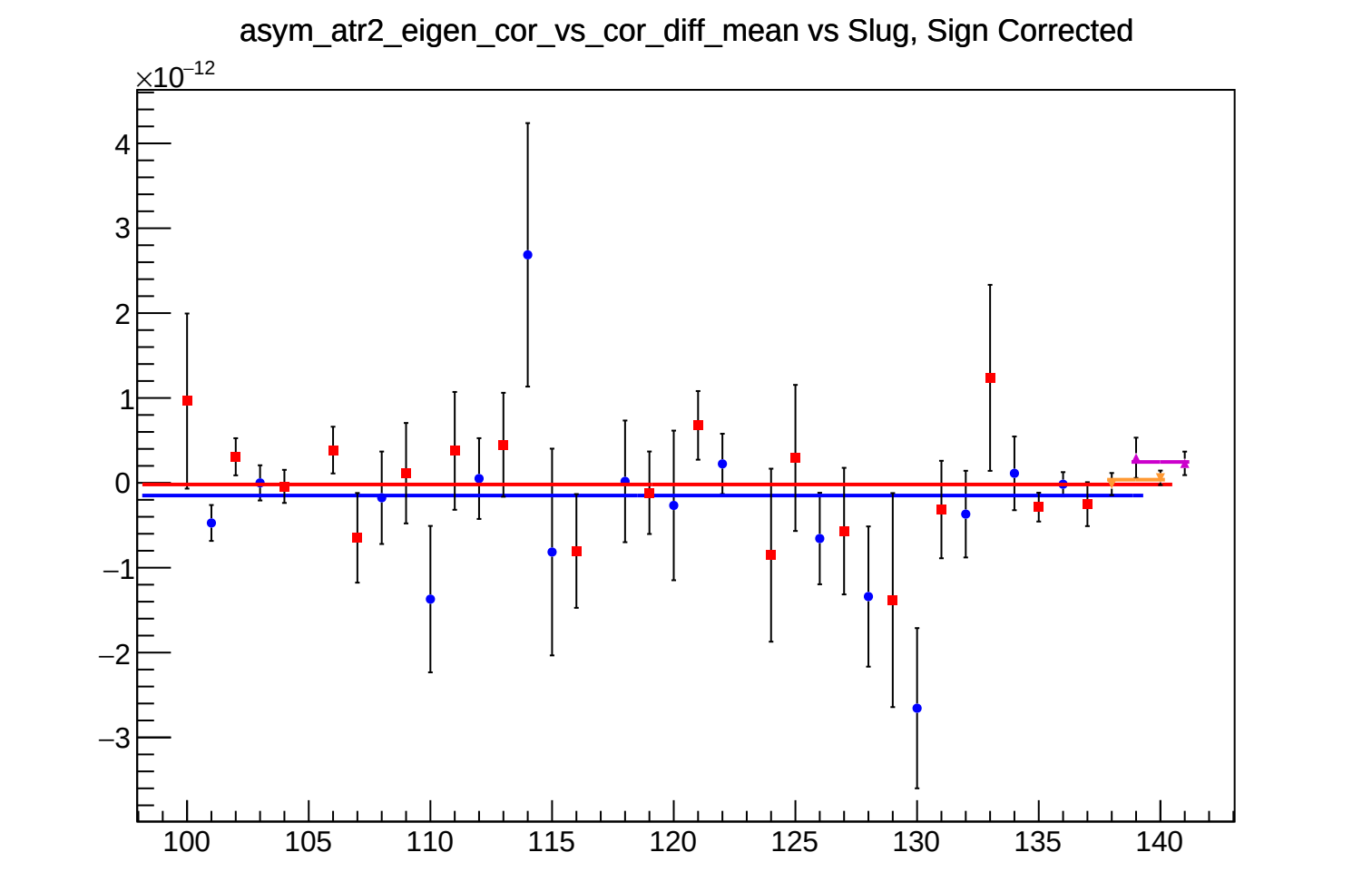
Left: 578.288+/-0.233 χ^2/NDF: 263601.0/3

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 379.622+/-0.097 χ^2/NDF:1765419.5/17

Out: 350.565+/-0.094 χ^2/NDF:3042378.9/20

All: 364.733+/-0.067 χ^2/NDF: 4854178.7/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

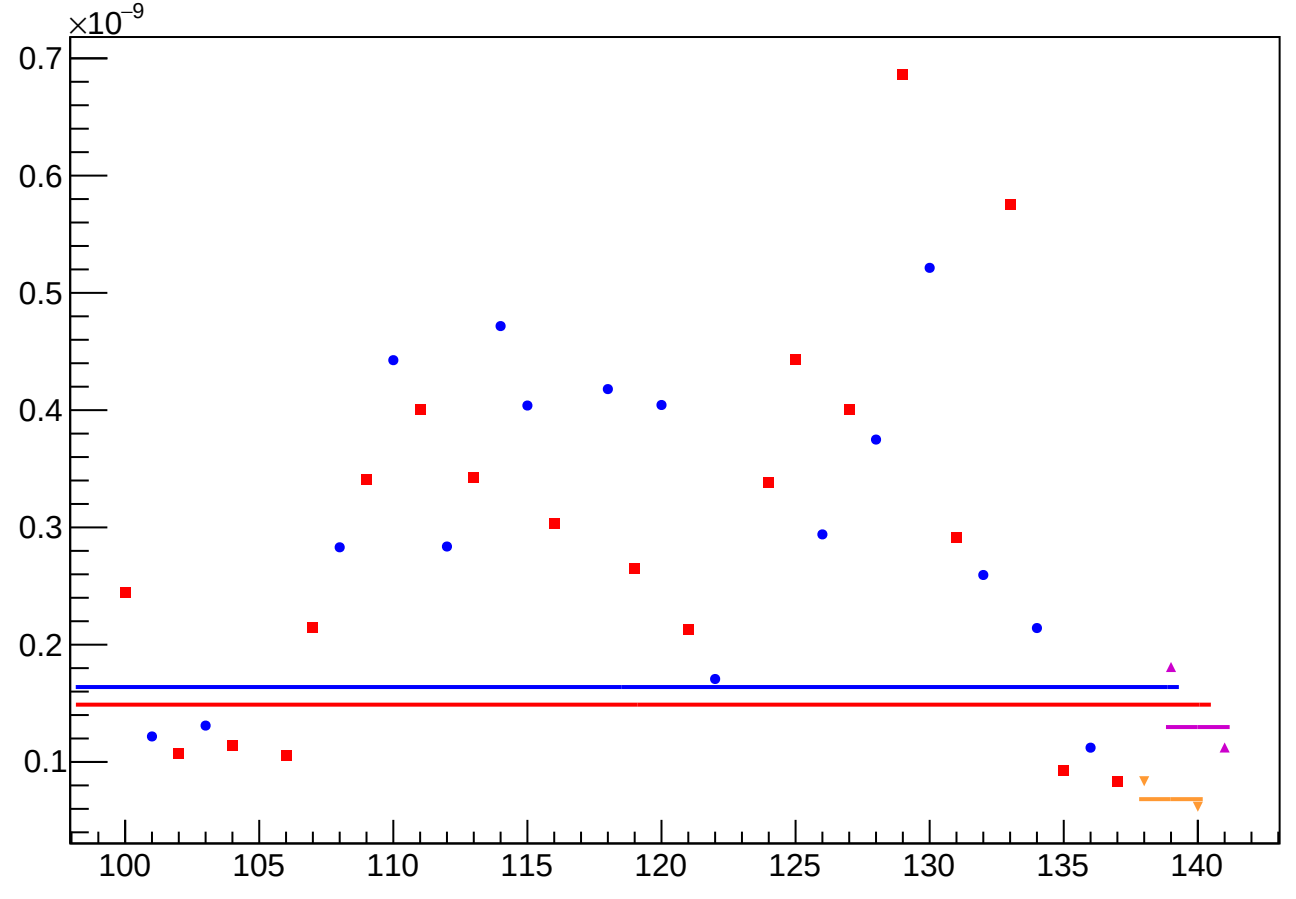
Left: 0.000+/-0.000 χ^2/NDF: 2.5/3

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:28.4/17

Out: 0.000+/-0.000 χ^2/NDF:19.9/20

All: 0.000+/-0.000 χ^2/NDF: 48.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:38774.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:124534.9/1

Left: 0.000+/-0.000 χ^2/NDF: 552641.6/3

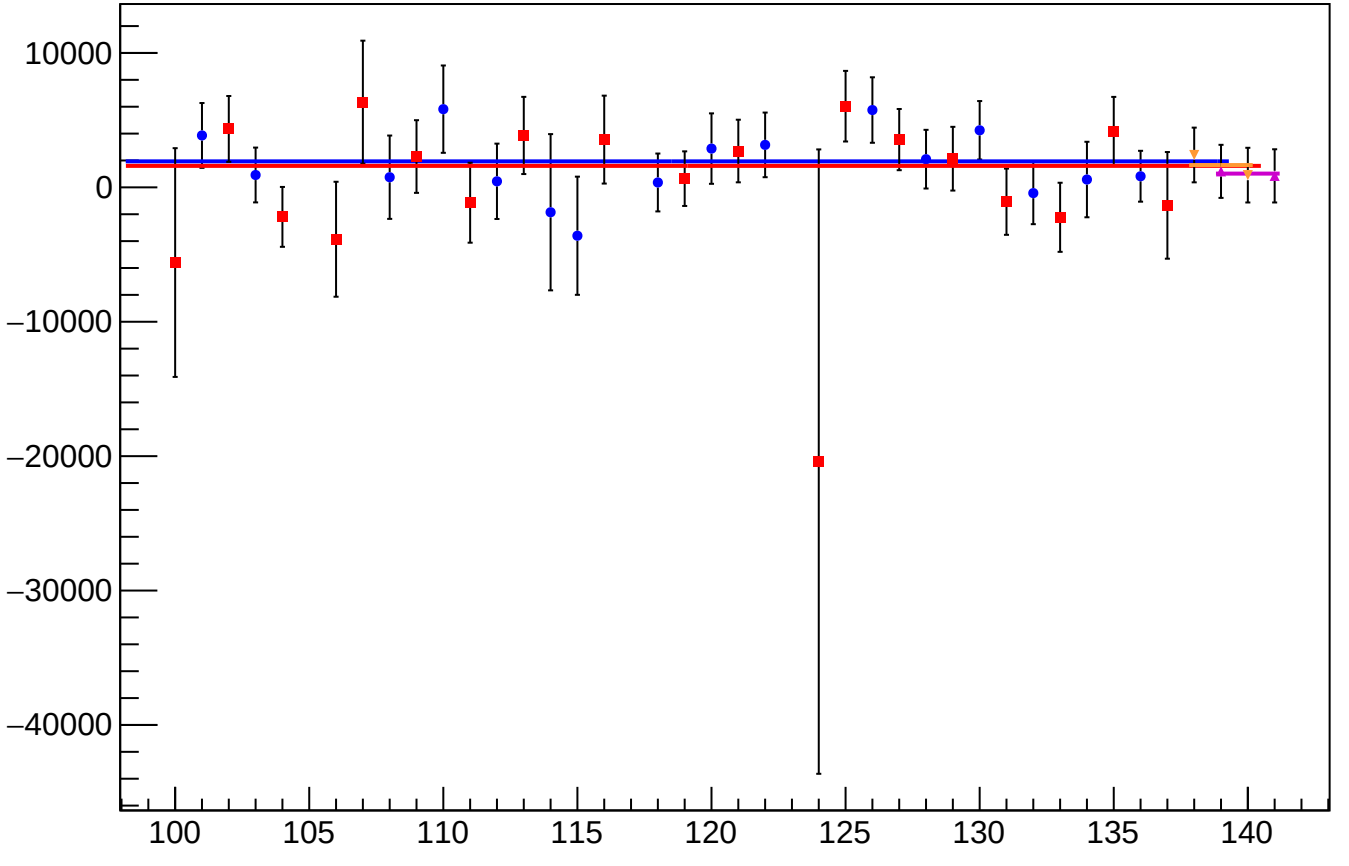
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:2241829.5/17

Out: 0.000+/-0.000 χ^2/NDF:3961373.9/20

All: 0.000+/-0.000 χ^2/NDF: 6829287.4/38

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1658.757+/-1439.052 χ^2/NDF:0.3/1

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 1023.008+/-1397.568 χ^2/NDF:0.0/1

Left: 1331.587+/-1002.575 χ^2/NDF: 0.4/3

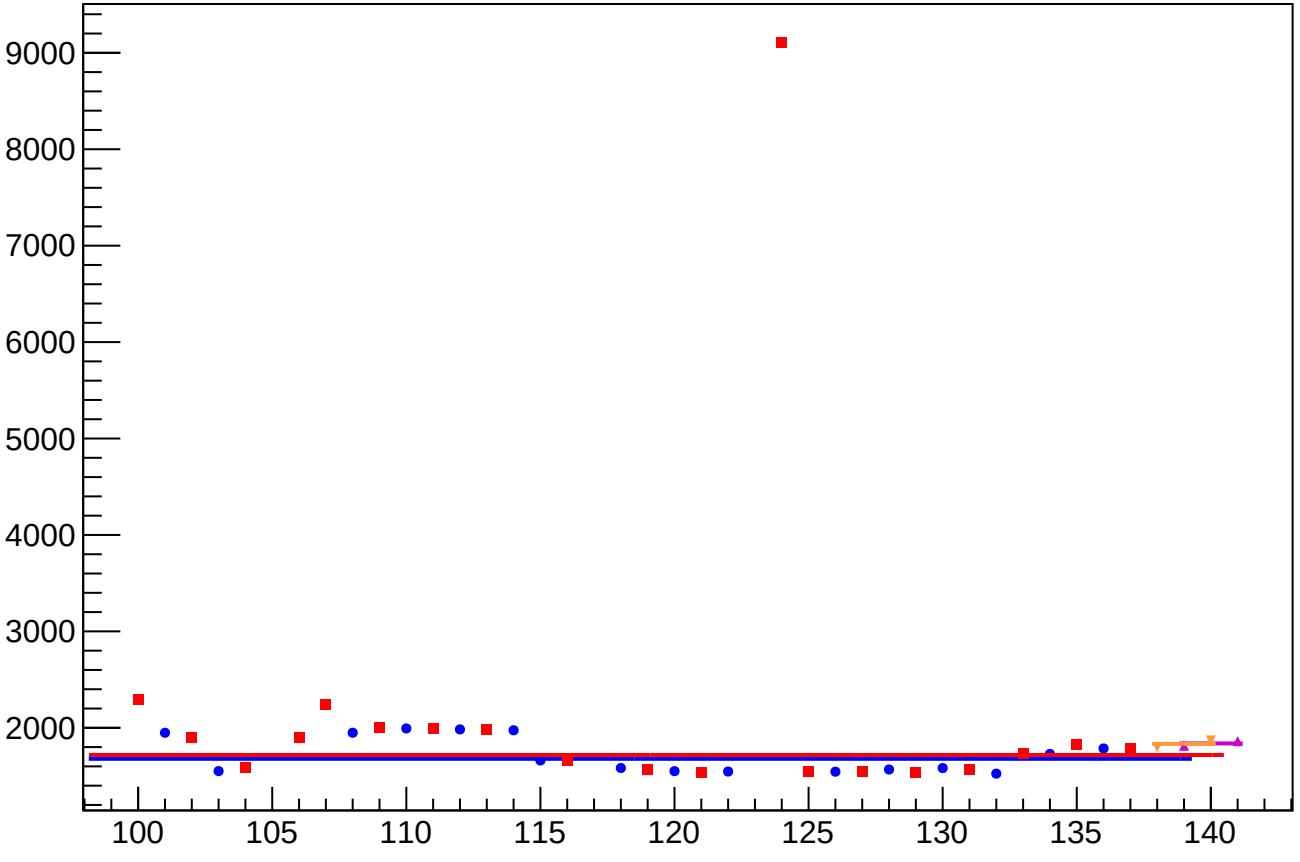
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 1781.636+/-572.730 χ^2/NDF:11.3/17

Out: 1608.057+/-586.458 χ^2/NDF:19.7/20

All: 1696.902+/-409.749 χ^2/NDF: 31.0/38

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1833.352+/-1.018 χ^2/NDF:1198.1/1

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1837.971+/-0.988 χ^2/NDF:587.2/1

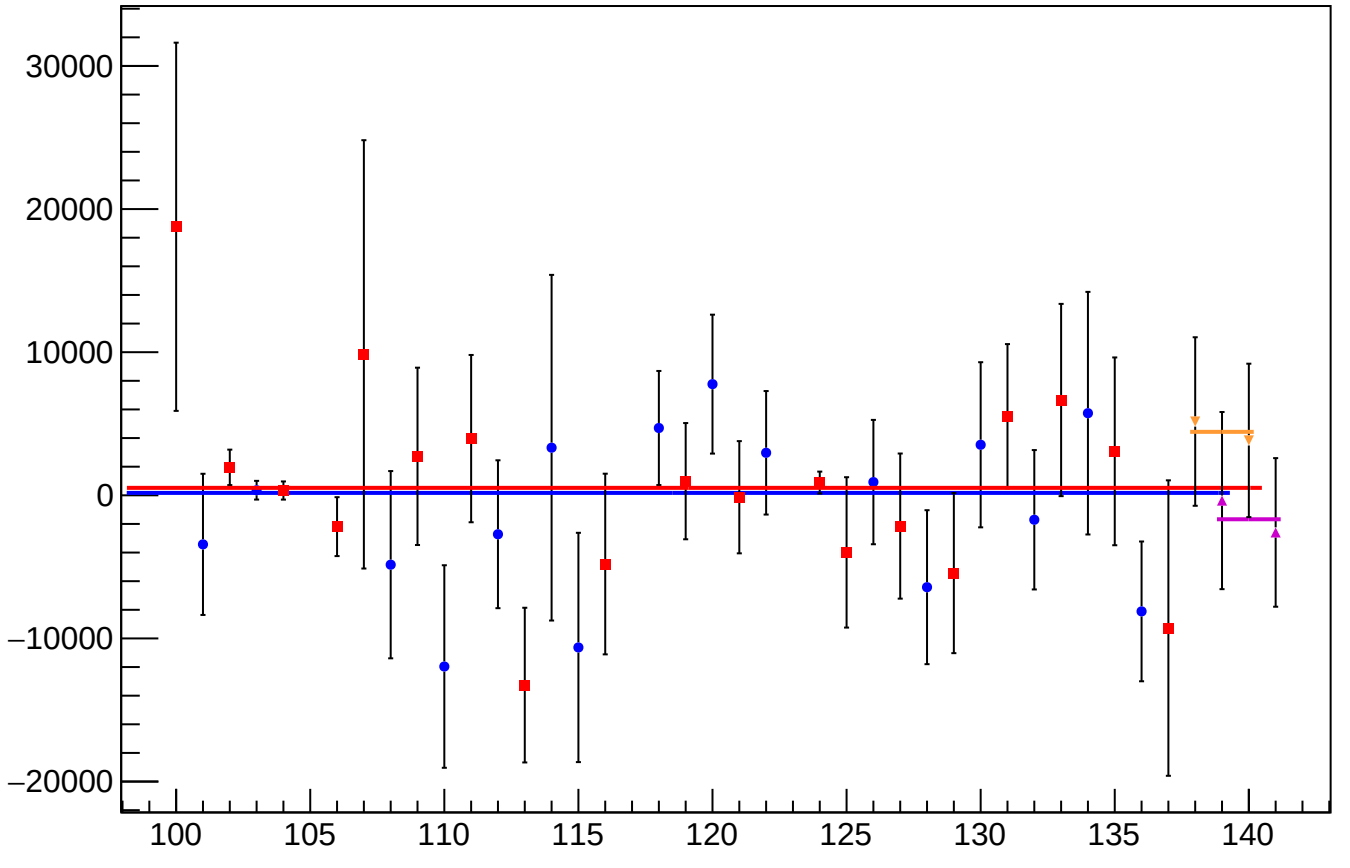
Left: 1835.729+/-0.709 χ^2/NDF: 1796.0/3

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1705.317+/-0.405 χ^2/NDF:163725.3/17

Out: 1737.268+/-0.413 χ^2/NDF:395052.7/20

All: 1720.977+/-0.289 χ^2/NDF: 561828.7/38



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: 4434.279+/-3963.633 χ^2/NDF:0.0/1

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: -1674.422+/-3977.504 χ^2/NDF:0.1/1

Left: 1390.598+/-2807.603 χ^2/NDF: 1.3/3

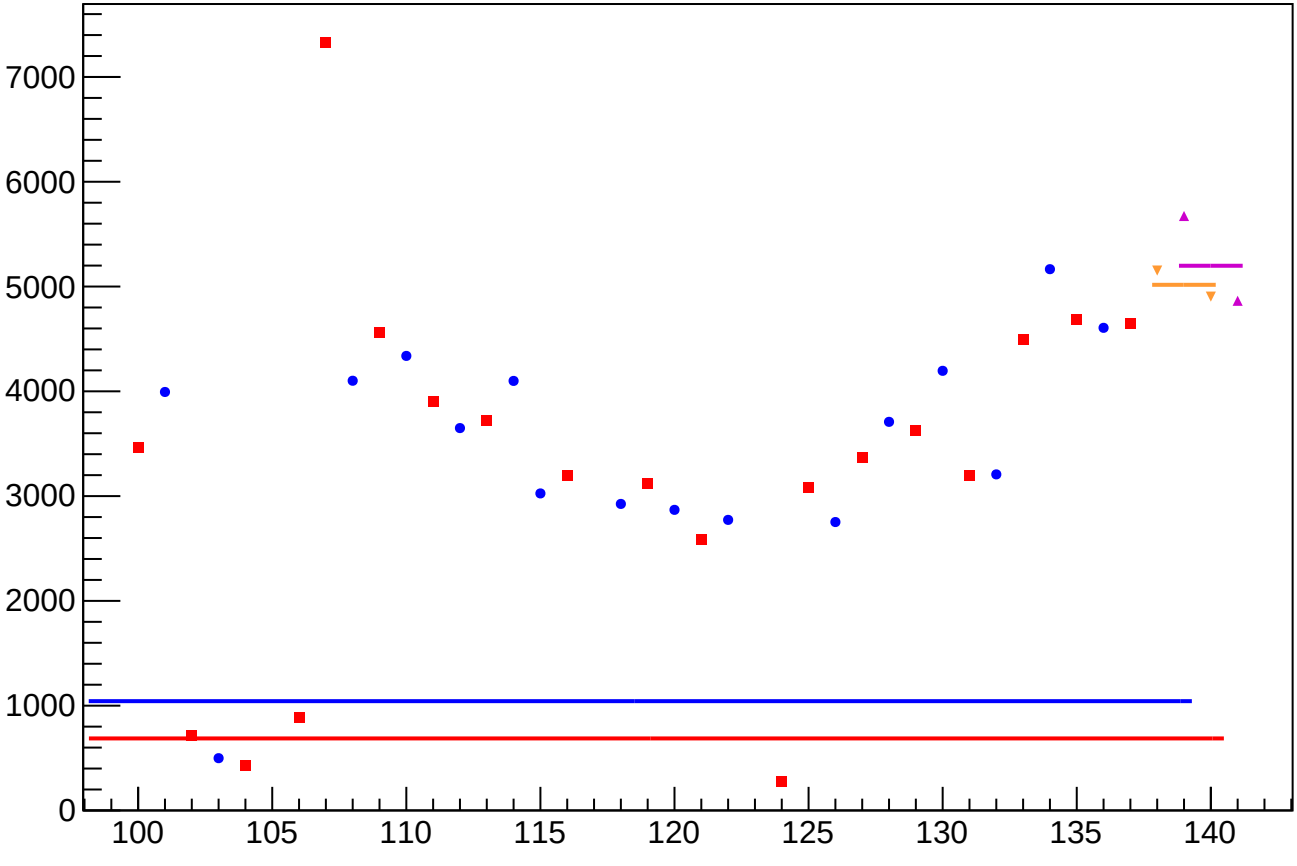
Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 128.399+/-585.169 χ^2/NDF:16.1/17

Out: 565.515+/-422.364 χ^2/NDF:19.5/20

All: 415.792+/-342.474 χ^2/NDF: 36.0/38

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 5016.467+/-2.803 χ^2/NDF:1954.1/1

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5198.362+/-2.813 χ^2/NDF:20064.6/1

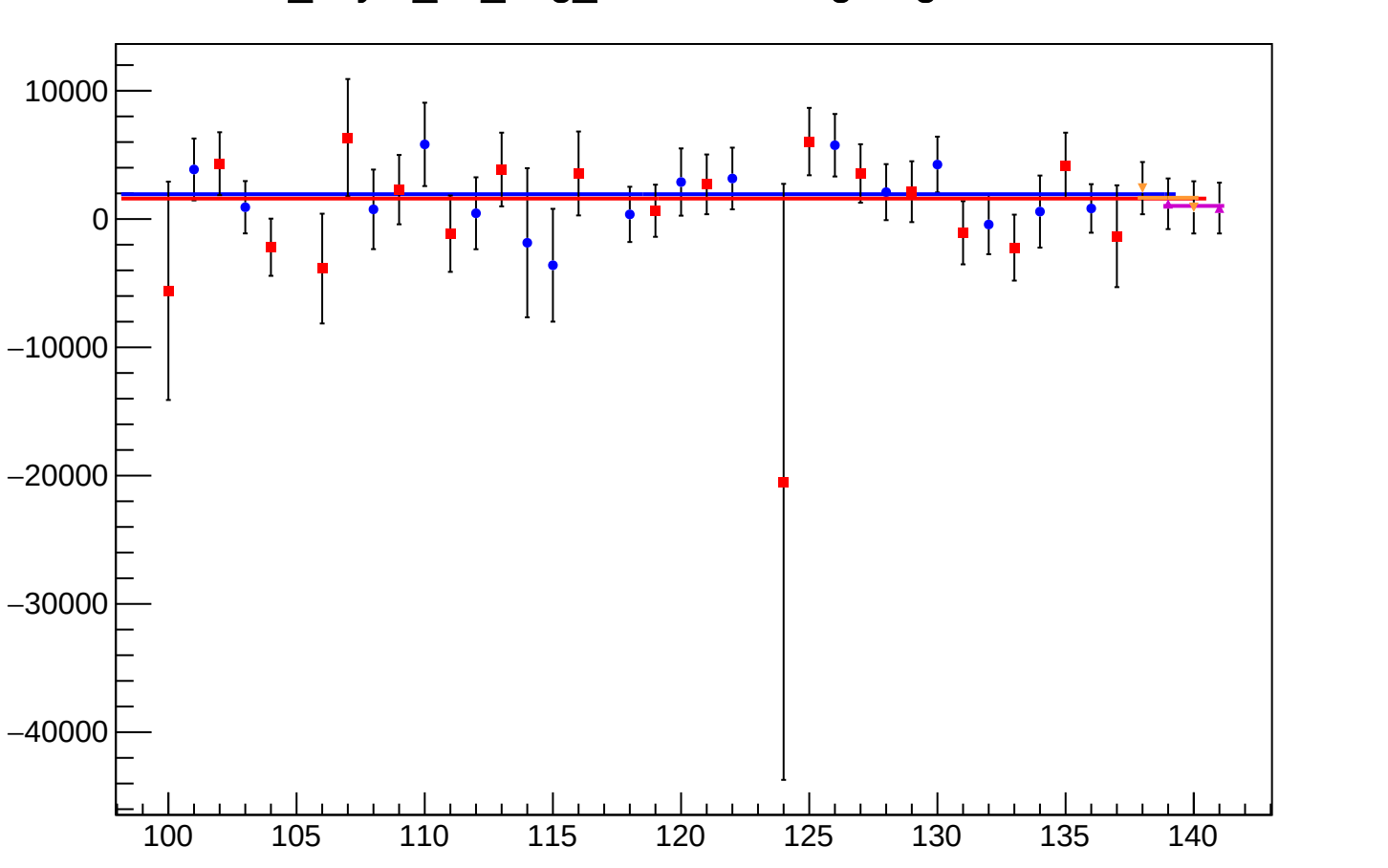
Left: 5107.097+/-1.985 χ^2/NDF: 24117.3/3

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1133.054+/-0.414 χ^2/NDF:10267459.1/17

Out: 736.487+/-0.299 χ^2/NDF:10992257.7/20

All: 872.320+/-0.242 χ^2/NDF: 21863638.7/38



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1658.894+/-1439.052 χ^2/NDF:0.3/1

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 1023.162+/-1397.568 χ^2/NDF:0.0/1

Left: 1331.732+/-1002.575 χ^2/NDF: 0.4/3

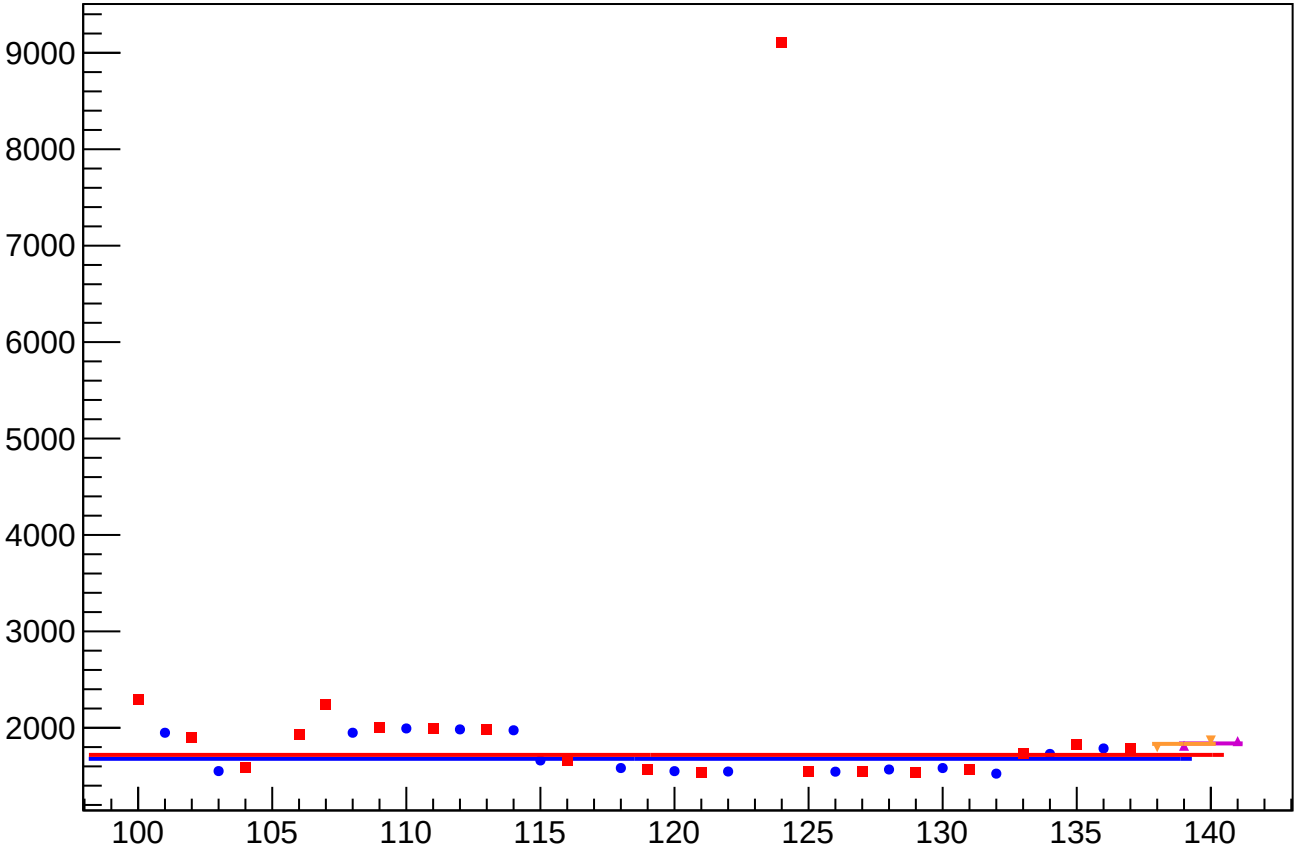
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1781.759+/-572.730 χ^2/NDF:11.3/17

Out: 1606.046+/-586.462 χ^2/NDF:19.7/20

All: 1695.984+/-409.750 χ^2/NDF: 30.9/38

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1833.352+/-1.018 χ^2/NDF:1198.1/1

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1837.971+/-0.988 χ^2/NDF:587.2/1

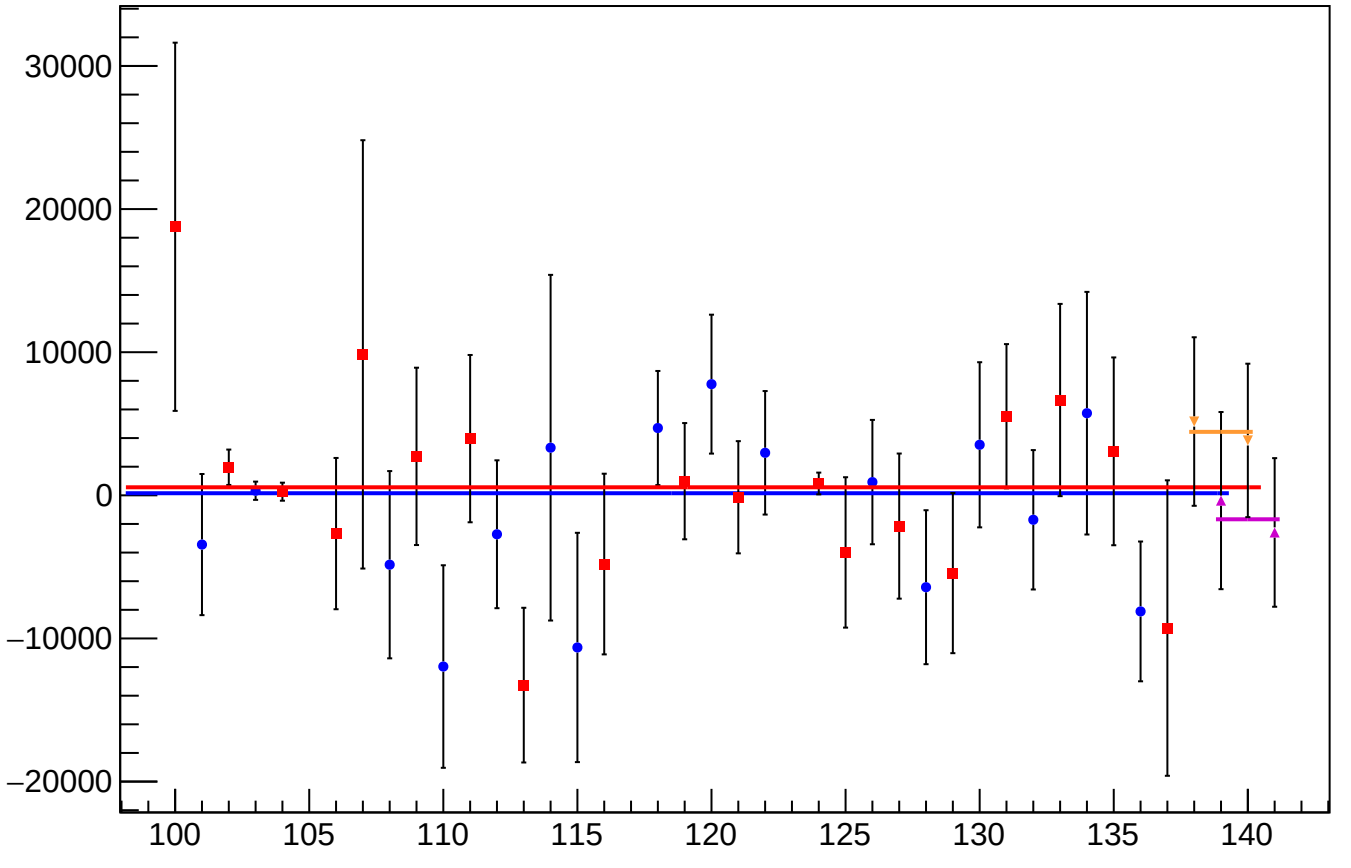
Left: 1835.729+/-0.709 χ^2/NDF: 1796.0/3

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1705.317+/-0.405 χ^2/NDF:163725.4/17

Out: 1737.980+/-0.413 χ^2/NDF:396639.7/20

All: 1721.320+/-0.289 χ^2/NDF: 563552.0/38



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: 4434.595+/-3963.633 χ^2/NDF:0.0/1

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1674.325+/-3977.502 χ^2/NDF:0.1/1

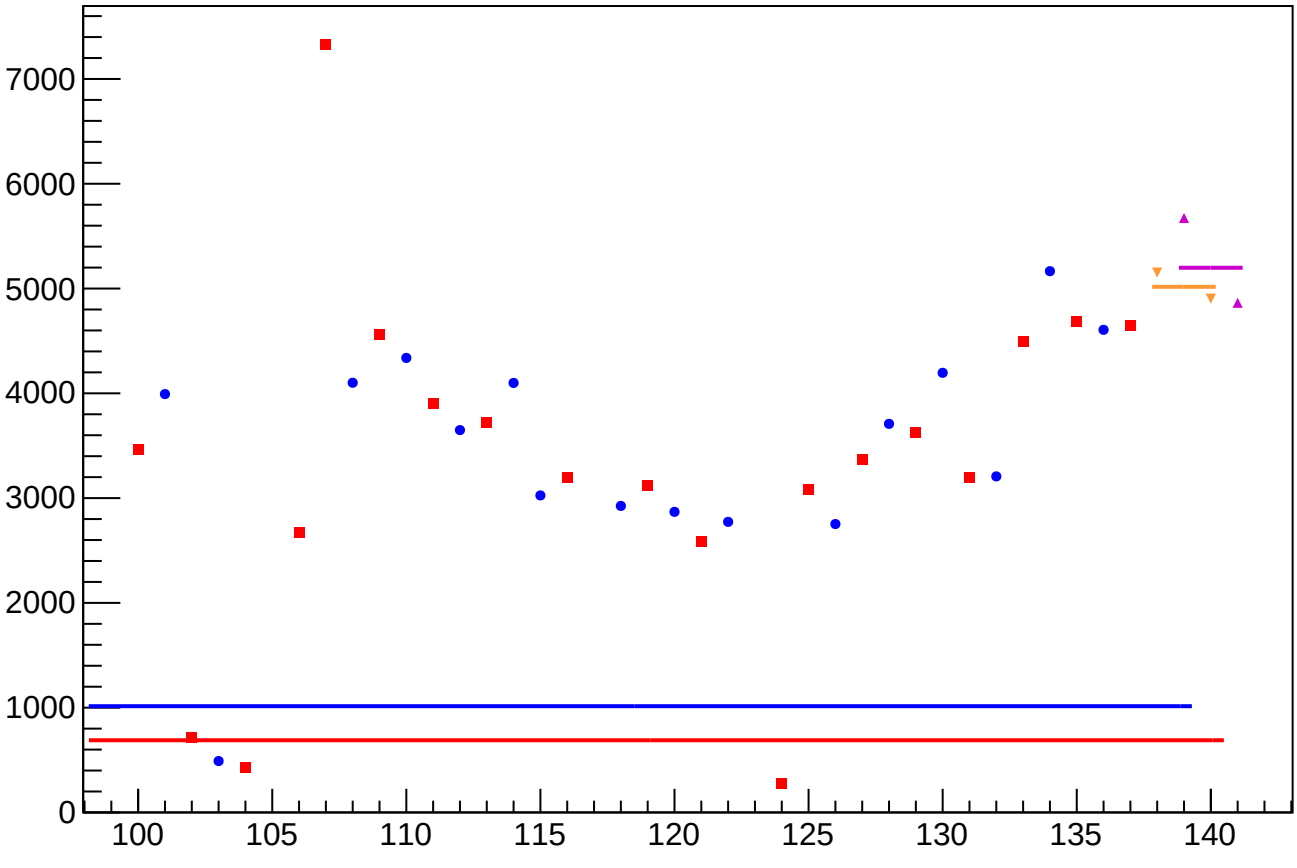
Left: 1390.804+/-2807.602 χ^2/NDF: 1.3/3

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 108.718+/-573.306 χ^2/NDF:16.1/17

Out: 606.637+/-428.102 χ^2/NDF:18.2/20

All: 428.389+/-343.020 χ^2/NDF: 34.8/38



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 5016.468+/-2.803 χ^2/NDF:1954.3/1

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5198.359+/-2.813 χ^2/NDF:20064.9/1

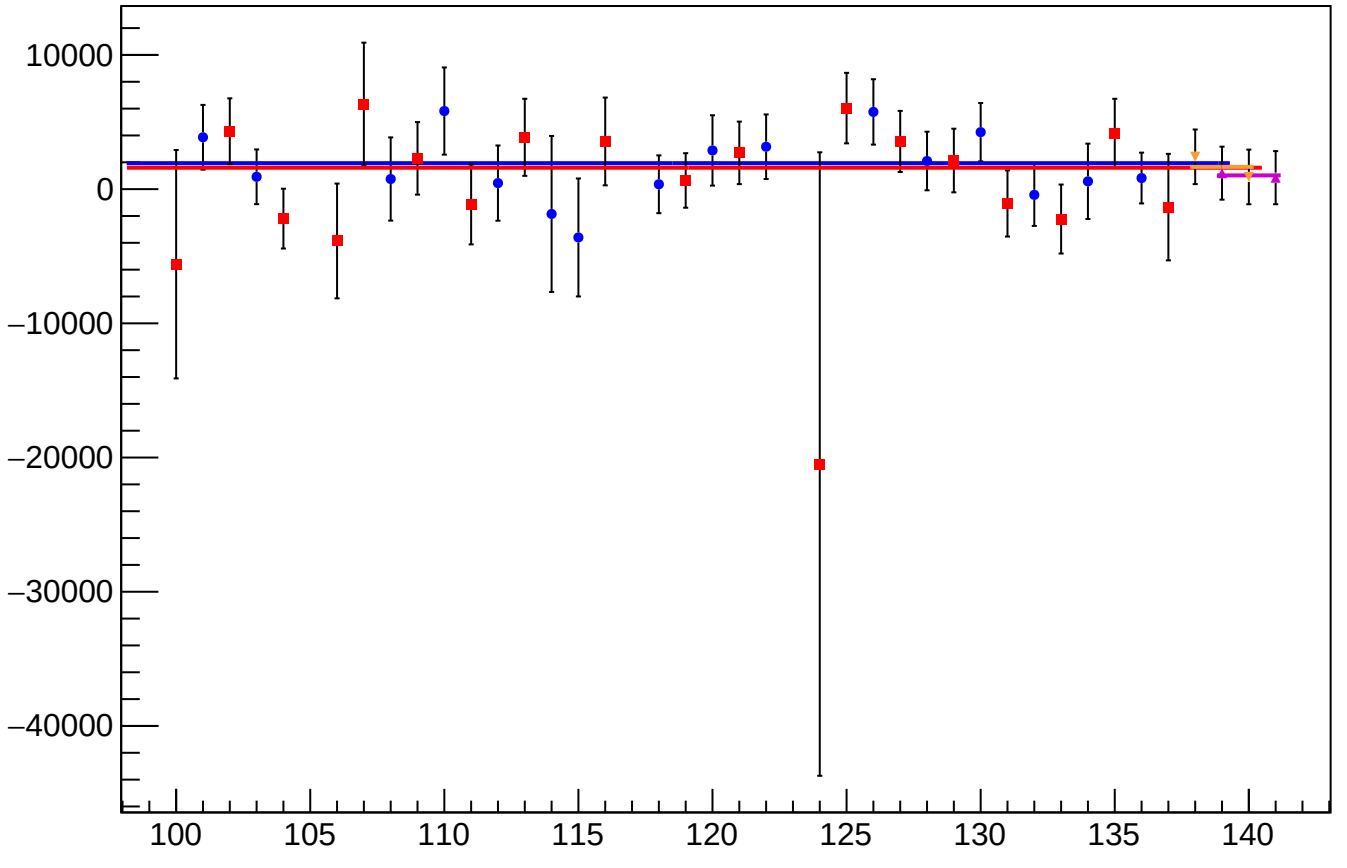
Left: 5107.095+/-1.985 χ^2/NDF: 24117.8/3

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1101.025+/-0.405 χ^2/NDF:10410435.7/17

Out: 739.537+/-0.303 χ^2/NDF:11268473.0/20

All: 868.944+/-0.243 χ^2/NDF: 22189401.4/38



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1658.894+/-1439.052 χ^2/NDF:0.3/1

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 1023.162+/-1397.568 χ^2/NDF:0.0/1

Left: 1331.732+/-1002.575 χ^2/NDF: 0.4/3

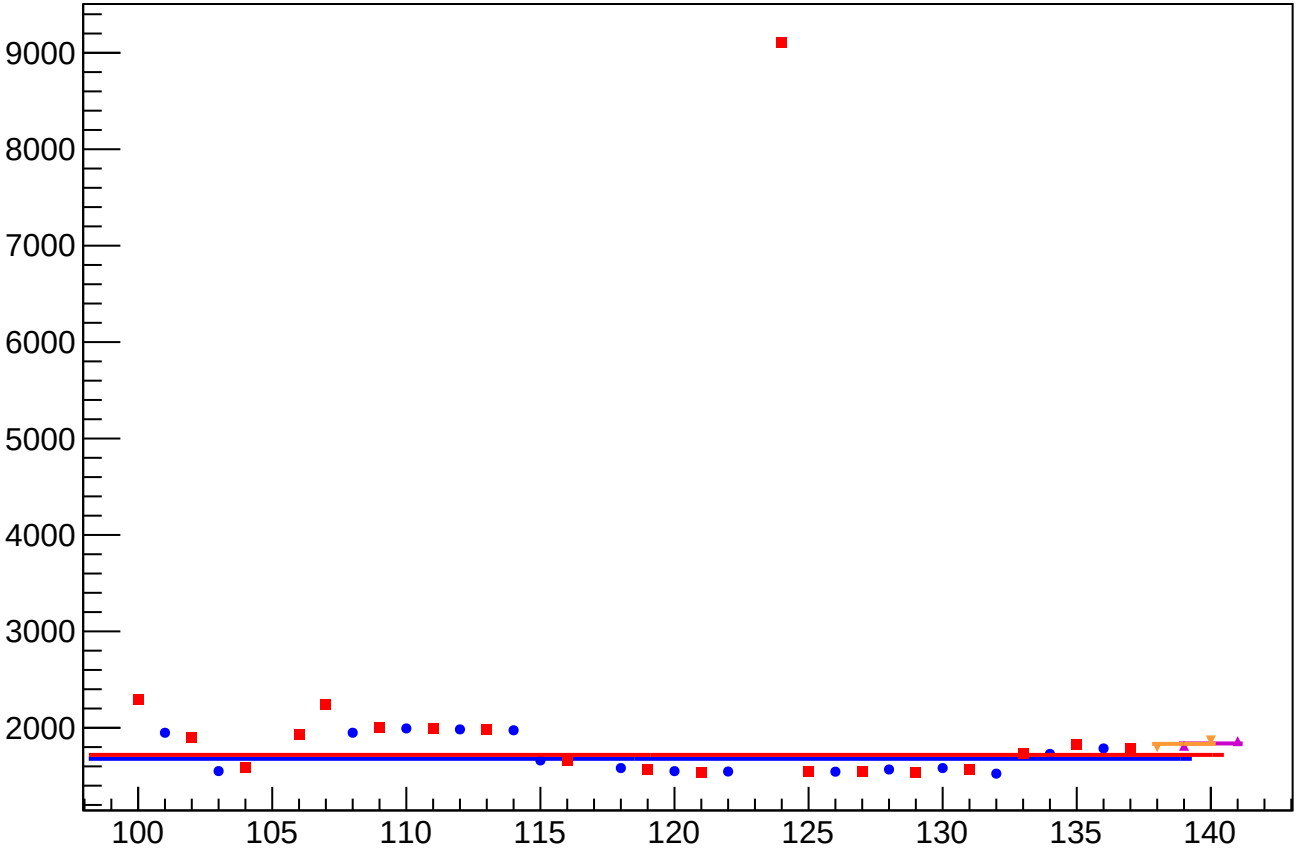
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1781.759+/-572.730 χ^2/NDF:11.3/17

Out: 1606.046+/-586.462 χ^2/NDF:19.7/20

All: 1695.984+/-409.750 χ^2/NDF: 30.9/38

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1833.352+/-1.018 χ^2/NDF:1198.1/1

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1837.971+/-0.988 χ^2/NDF:587.2/1

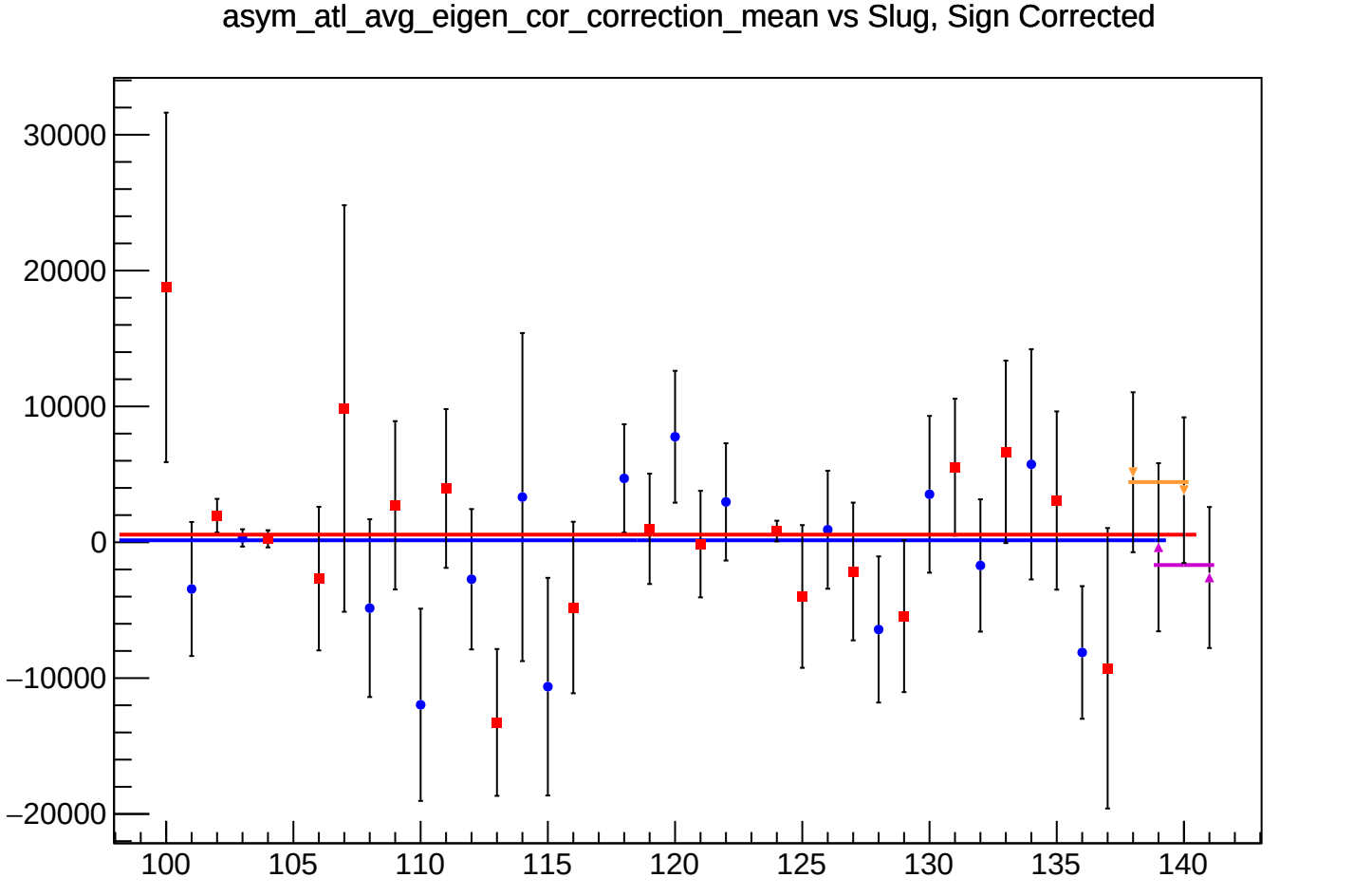
Left: 1835.729+/-0.709 χ^2/NDF: 1796.0/3

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1705.317+/-0.405 χ^2/NDF:163725.4/17

Out: 1737.980+/-0.413 χ^2/NDF:396639.7/20

All: 1721.320+/-0.289 χ^2/NDF: 563552.0/38



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: 4434.595+/-3963.633 χ^2/NDF:0.0/1

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1674.325+/-3977.502 χ^2/NDF:0.1/1

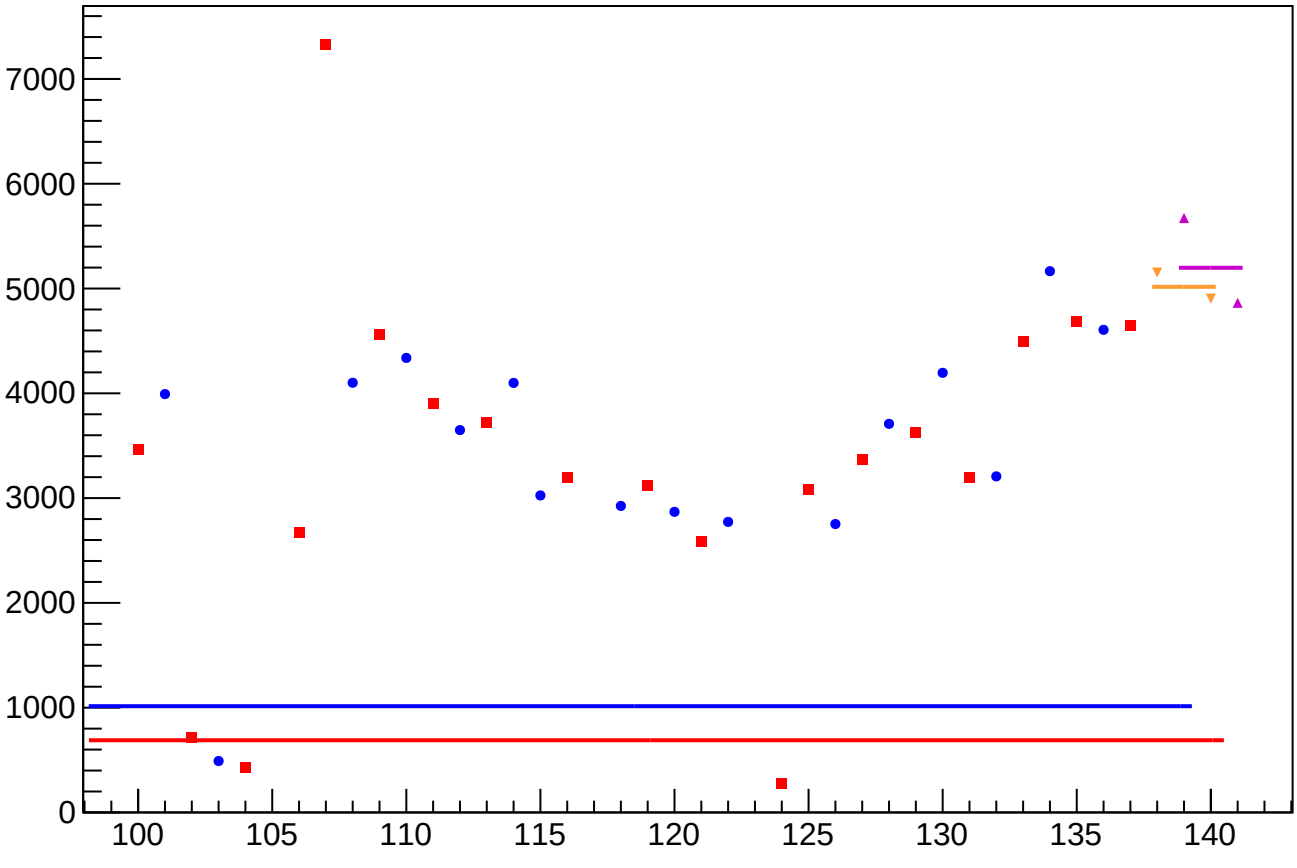
Left: 1390.804+/-2807.602 χ^2/NDF: 1.3/3

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 108.718+/-573.306 χ^2/NDF:16.1/17

Out: 606.637+/-428.102 χ^2/NDF:18.2/20

All: 428.389+/-343.020 χ^2/NDF: 34.8/38



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 5016.468+/-2.803 χ^2/NDF:1954.3/1

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5198.359+/-2.813 χ^2/NDF:20064.9/1

Left: 5107.095+/-1.985 χ^2/NDF: 24117.8/3

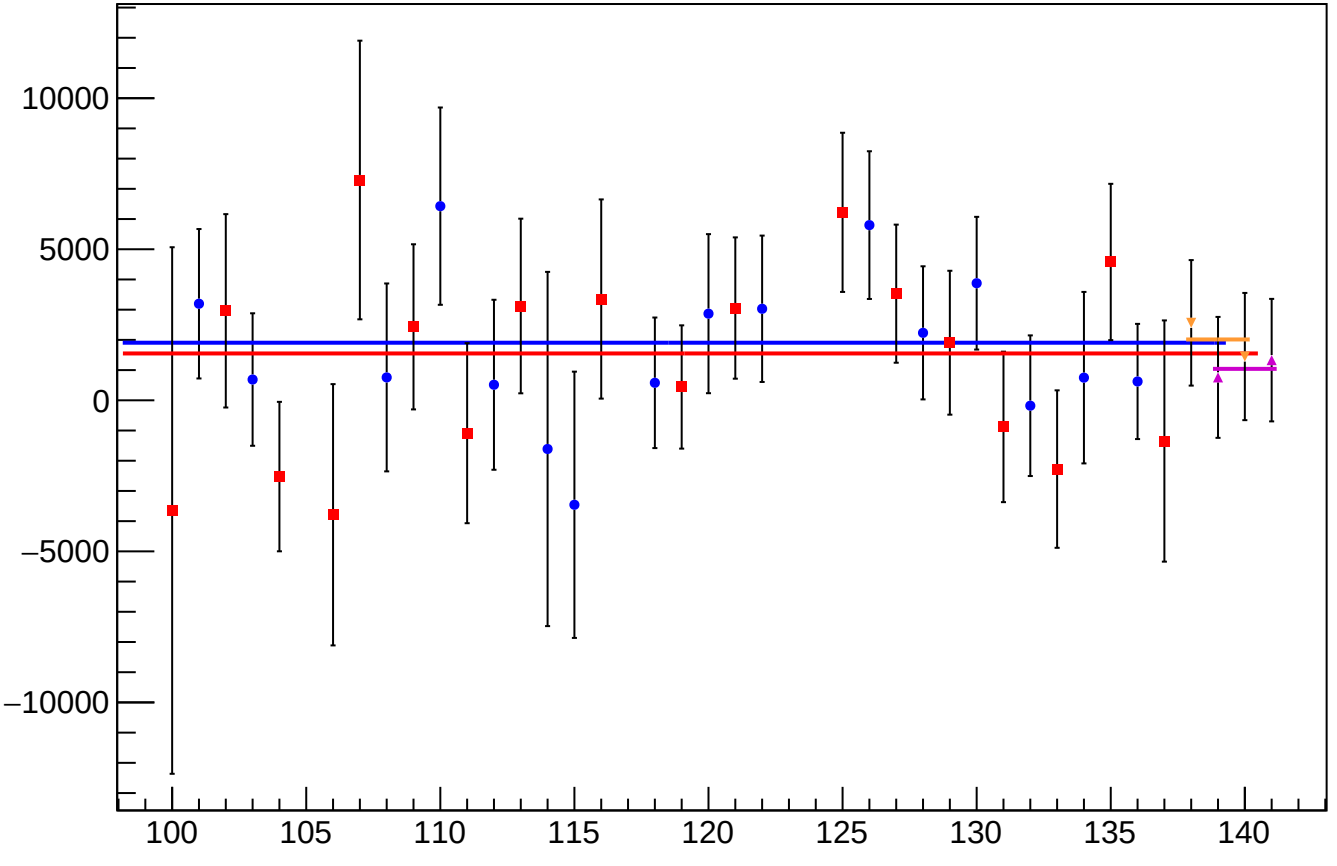
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1101.025+/-0.405 χ^2/NDF:10410435.7/17

Out: 739.537+/-0.303 χ^2/NDF:11268473.0/20

All: 868.944+/-0.243 χ^2/NDF: 22189401.4/38

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2013.964+/-1478.779 χ^2/NDF:0.1/1

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 1040.808+/-1424.394 χ^2/NDF:0.0/1

Left: 1509.163+/-1025.887 χ^2/NDF: 0.4/3

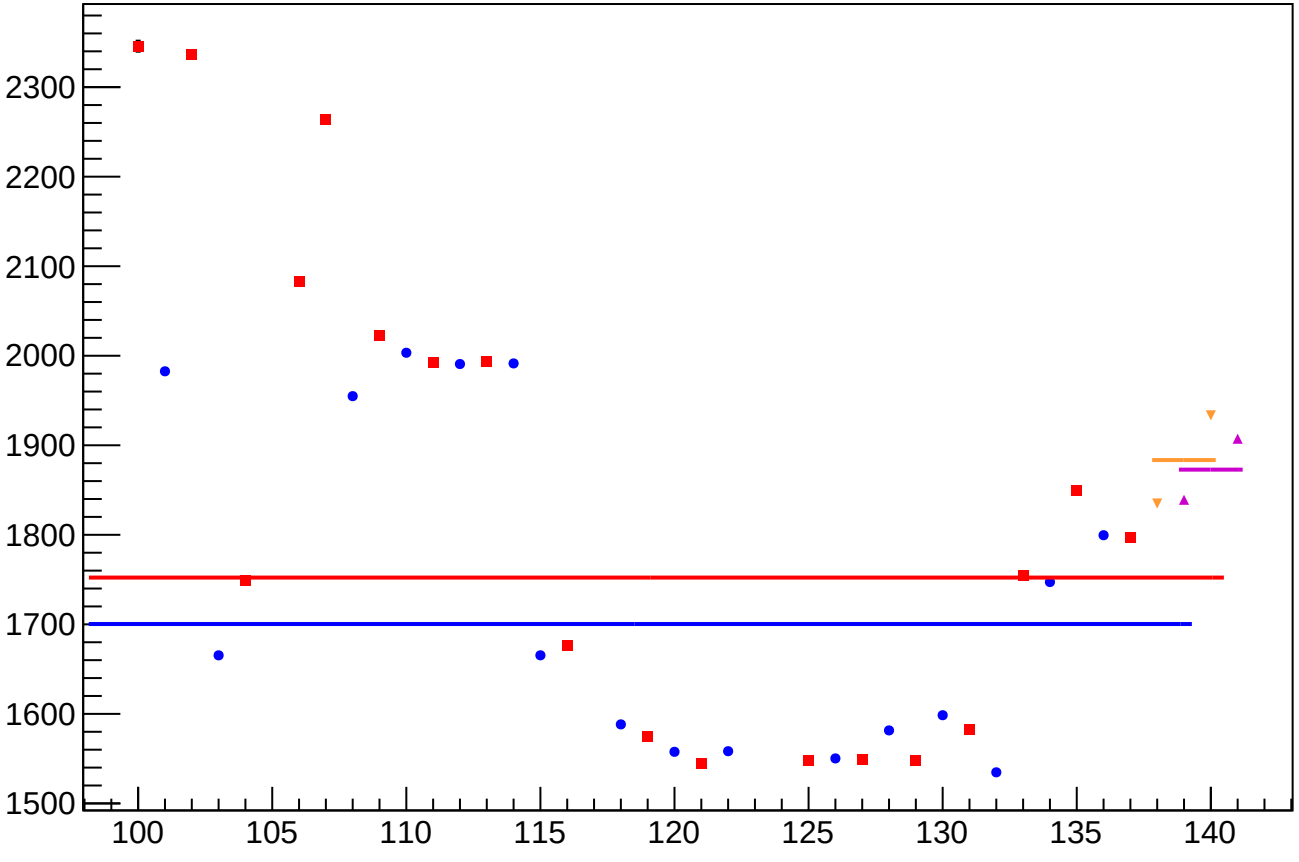
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 1762.189+/-581.069 χ^2/NDF:10.6/17

Out: 1628.095+/-603.499 χ^2/NDF:17.7/19

All: 1697.681+/-418.583 χ^2/NDF: 28.3/37

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1883.500+/-1.046 χ^2/NDF:2215.6/1

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1872.804+/-1.007 χ^2/NDF:1145.1/1

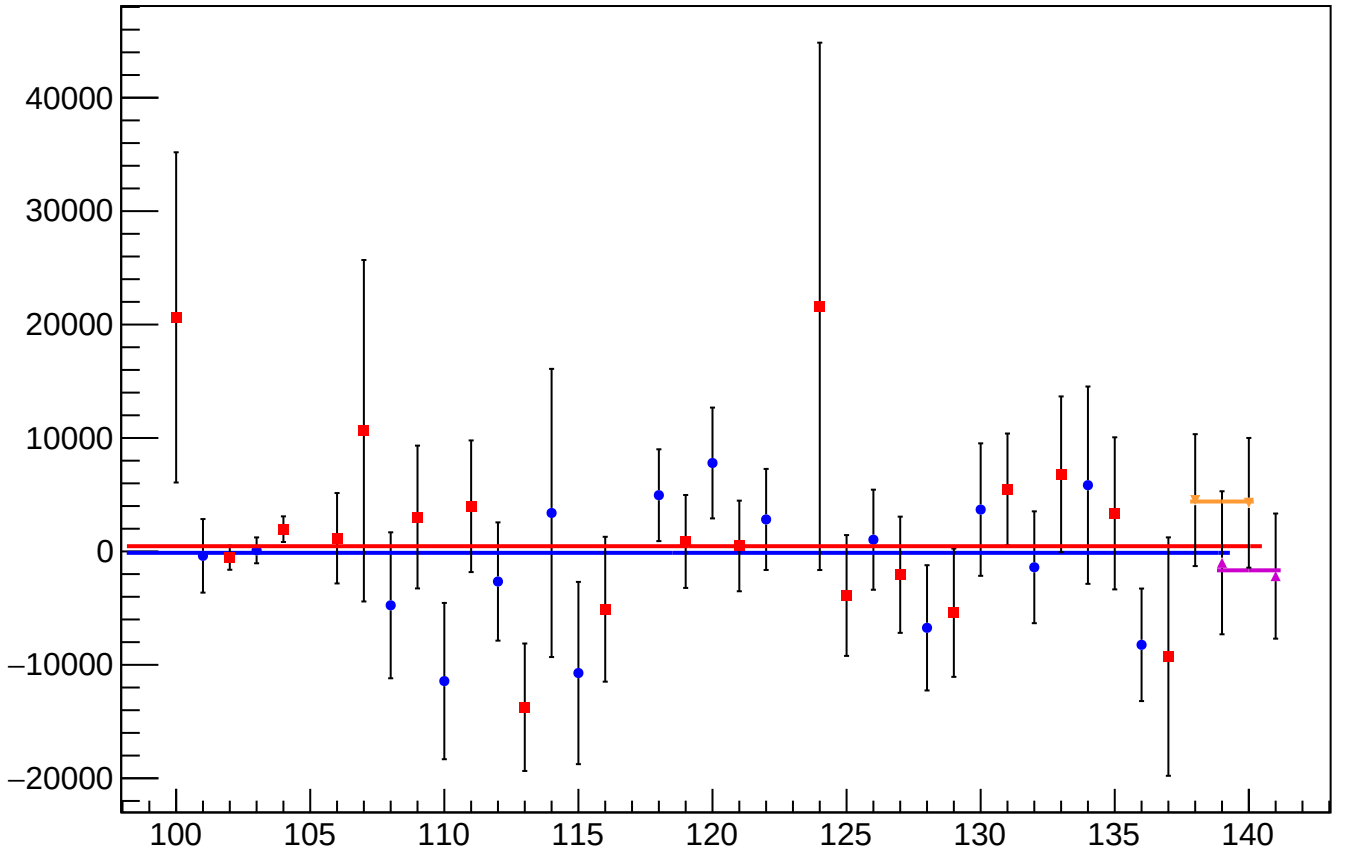
Left: 1877.952+/-0.725 χ^2/NDF: 3415.0/3

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1729.055+/-0.411 χ^2/NDF:161000.2/17

Out: 1774.017+/-0.426 χ^2/NDF:263311.7/19

All: 1750.728+/-0.296 χ^2/NDF: 430084.2/37



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 4400.322+/-4077.568 χ^2/NDF:0.0/1

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: -1667.139+/-4151.791 χ^2/NDF:0.0/1

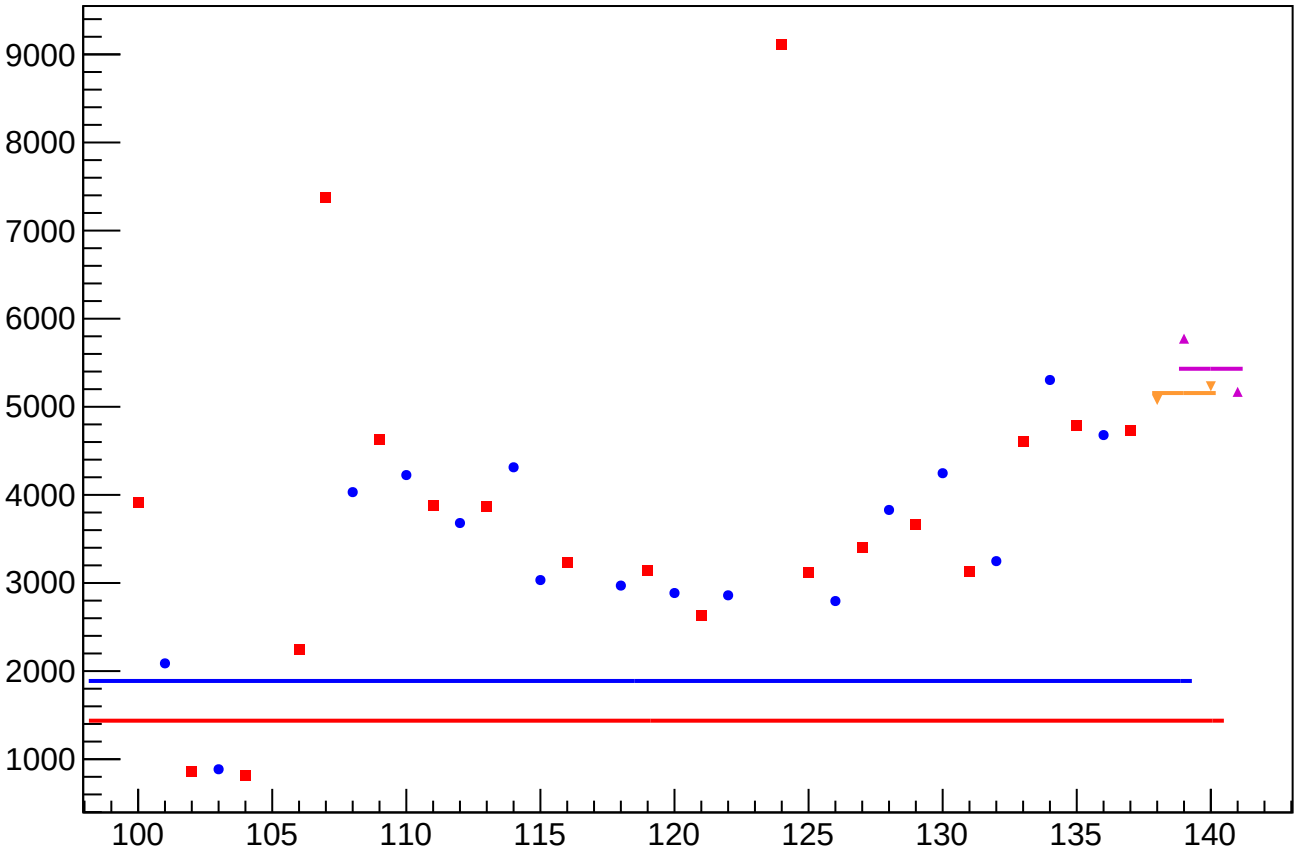
Left: 1421.312+/-2909.163 χ^2/NDF: 1.1/3

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -189.980+/-849.298 χ^2/NDF:15.2/17

Out: 565.808+/-669.928 χ^2/NDF:19.4/20

All: 275.921+/-525.987 χ^2/NDF: 35.1/38



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 5155.998+/-2.883 χ^2/NDF:723.9/1

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5431.582+/-2.936 χ^2/NDF:10384.8/1

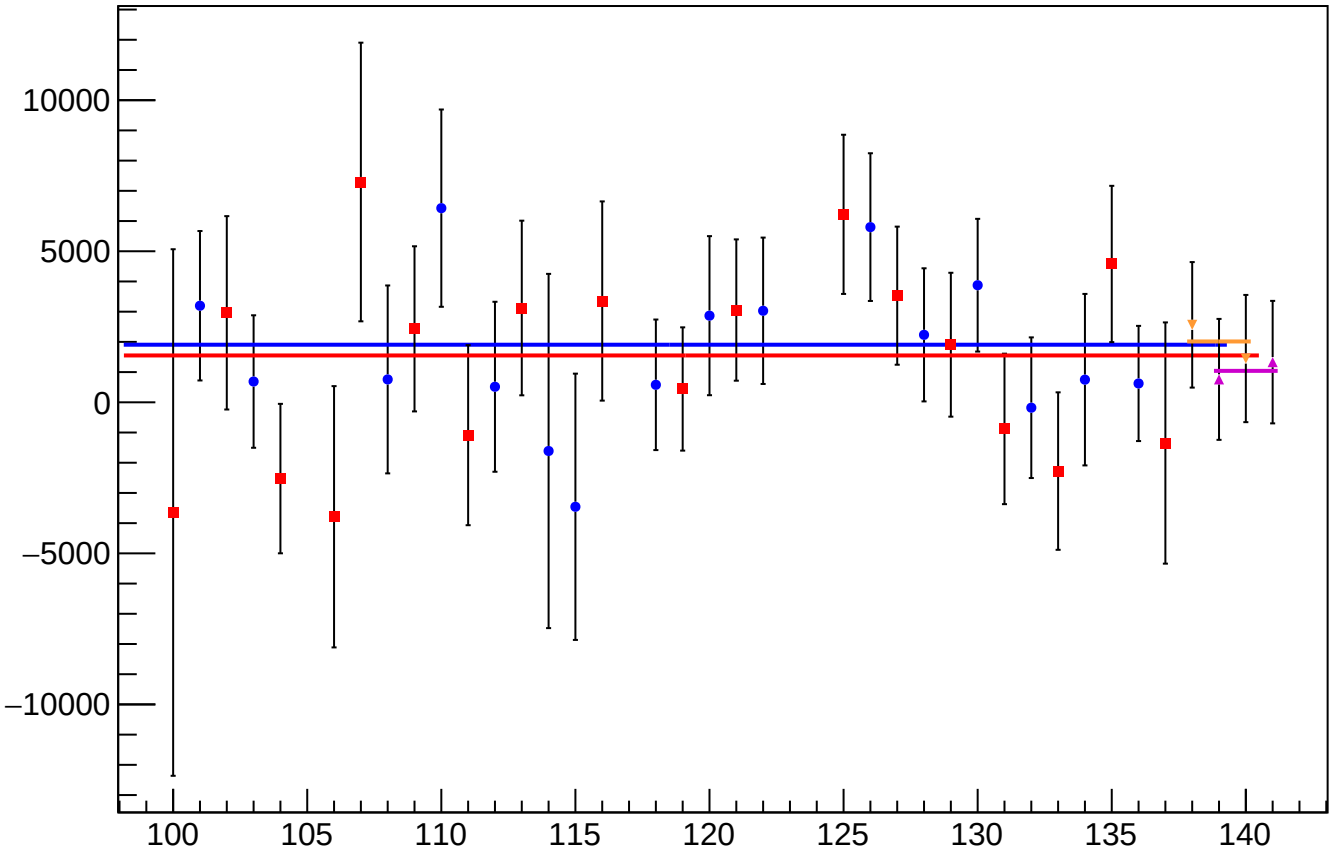
Left: 5291.305+/-2.057 χ^2/NDF: 15594.1/3

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2036.282+/-0.601 χ^2/NDF:5832058.4/17

Out: 1537.493+/-0.474 χ^2/NDF:7583632.0/20

All: 1728.806+/-0.372 χ^2/NDF: 13840933.5/3



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2013.975+/-1478.780 χ^2/NDF:0.1/1

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 1040.805+/-1424.395 χ^2/NDF:0.0/1

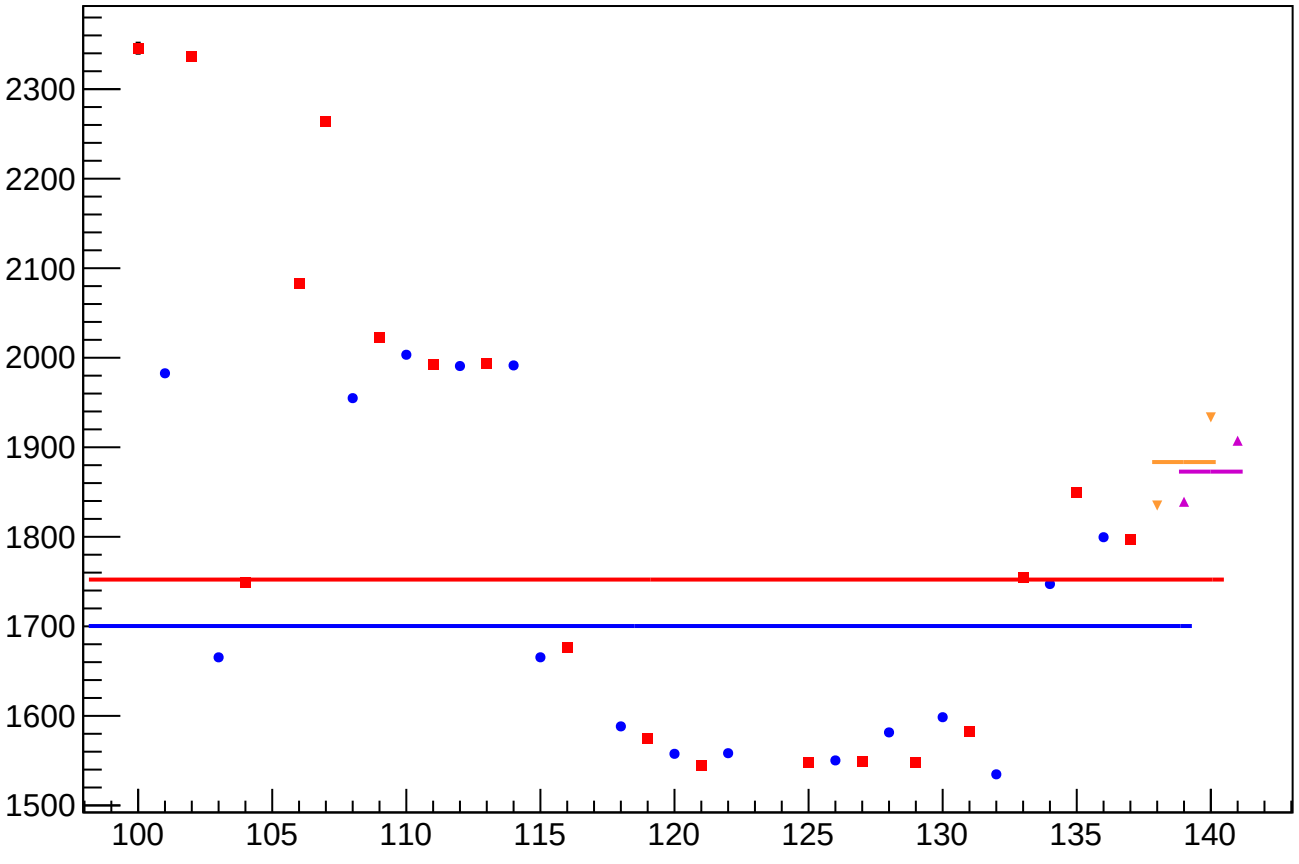
Left: 1509.166+/-1025.887 χ^2/NDF: 0.4/3

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 1762.188+/-581.069 χ^2/NDF:10.6/17

Out: 1628.095+/-603.499 χ^2/NDF:17.7/19

All: 1697.679+/-418.583 χ^2/NDF: 28.3/37



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1883.501+/-1.046 χ^2/NDF:2215.6/1

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1872.805+/-1.007 χ^2/NDF:1145.1/1

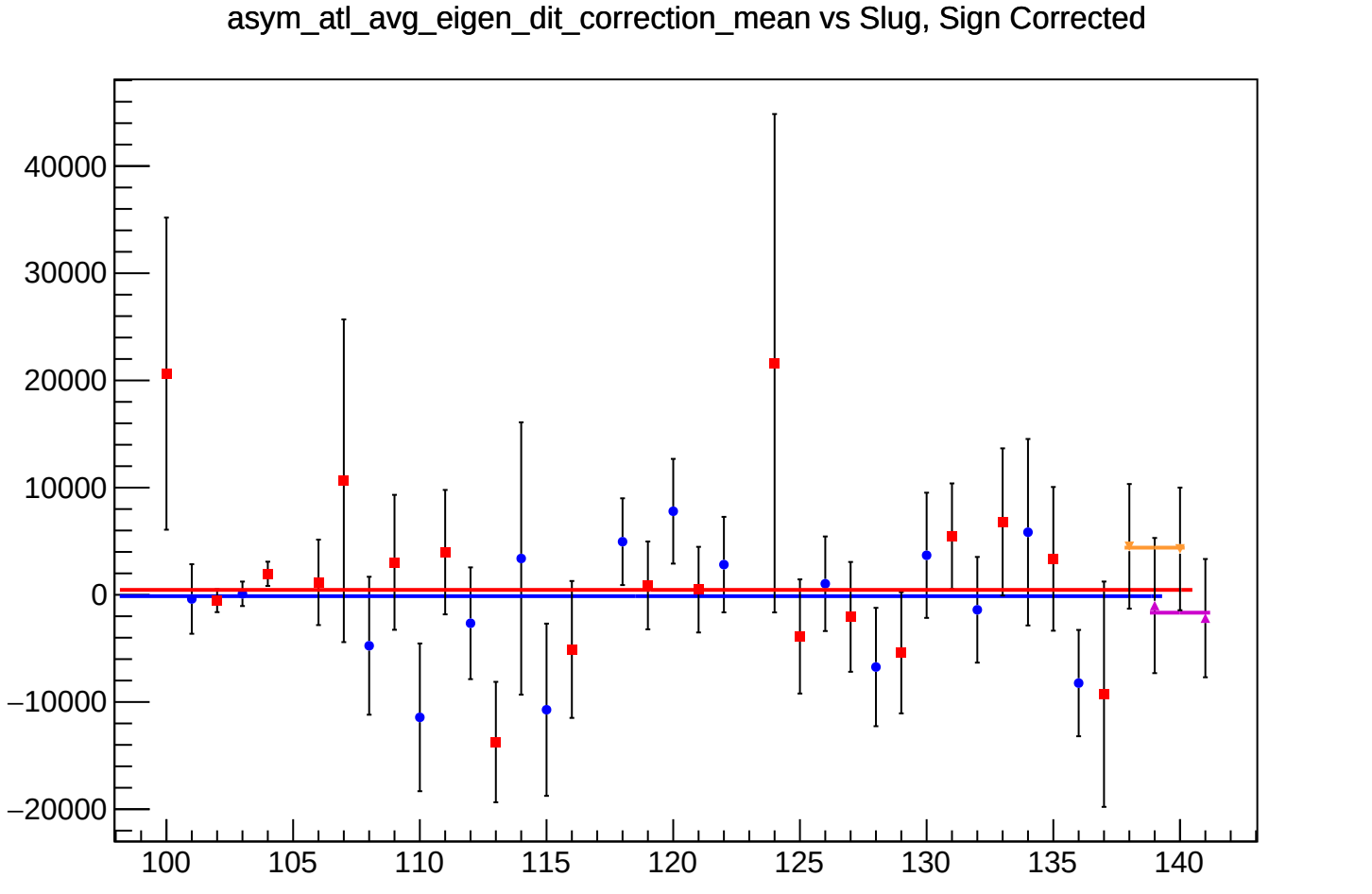
Left: 1877.952+/-0.725 χ^2/NDF: 3415.0/3

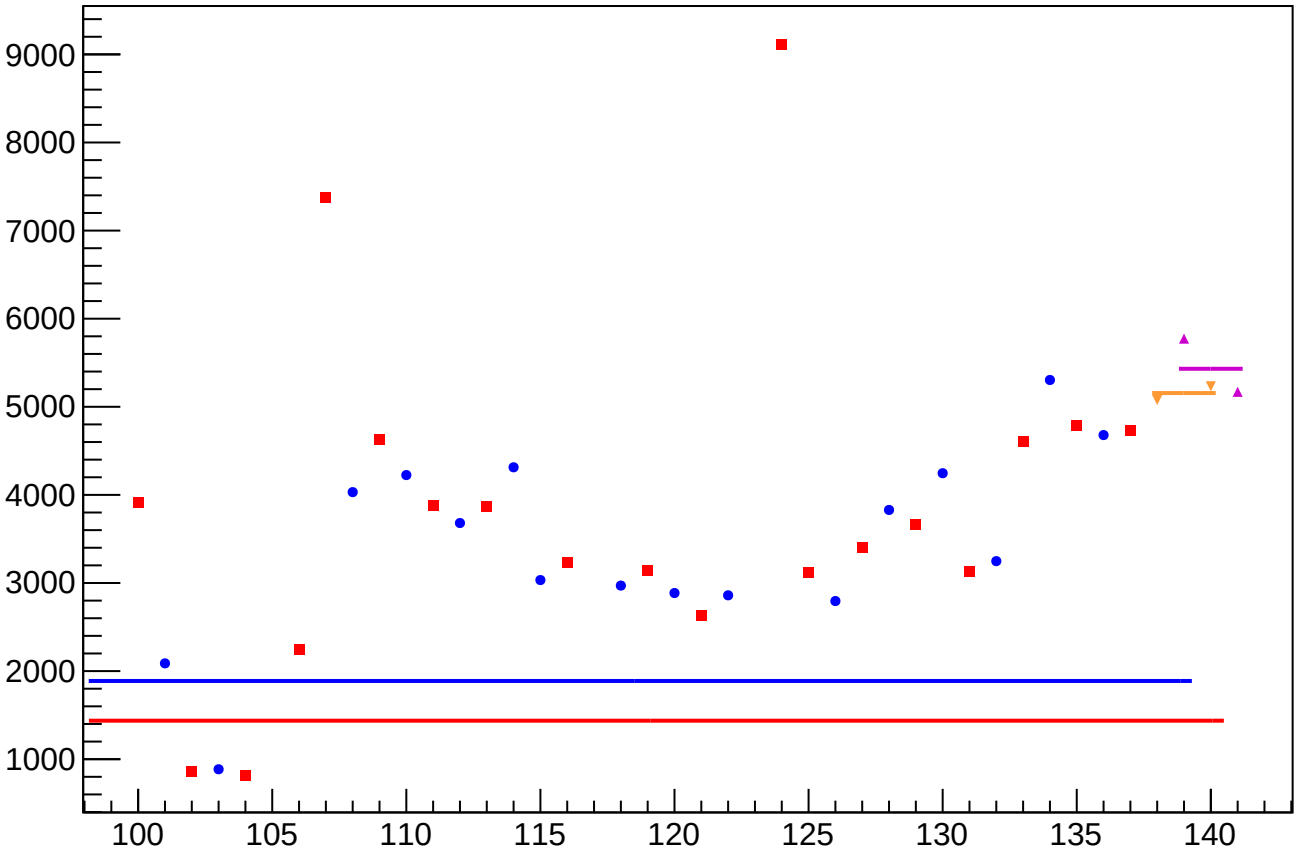
Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1729.055+/-0.411 χ^2/NDF:161000.8/17

Out: 1774.017+/-0.426 χ^2/NDF:263311.5/19

All: 1750.728+/-0.296 χ^2/NDF: 430084.5/37


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: 4400.332+/-4077.578 χ²/NDF:0.0/1
Right Out: 459.430+/-679.152 χ²/NDF: 18.5/18
Left In: -1667.141+/-4151.801 χ²/NDF:0.0/1
Left: 1421.315+/-2909.170 χ²/NDF: 1.1/3
Right: 237.214+/-534.797 χ²/NDF: 33.9/34
In: -189.975+/-849.292 χ²/NDF:15.2/17
Out: 565.805+/-669.923 χ²/NDF:19.4/20
All: 275.921+/-525.983 χ²/NDF: 35.1/38



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 5156.011+/-2.883 χ^2/NDF:723.8/1

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5431.594+/-2.936 χ^2/NDF:10385.2/1

Left: 5291.317+/-2.057 χ^2/NDF: 15594.3/3

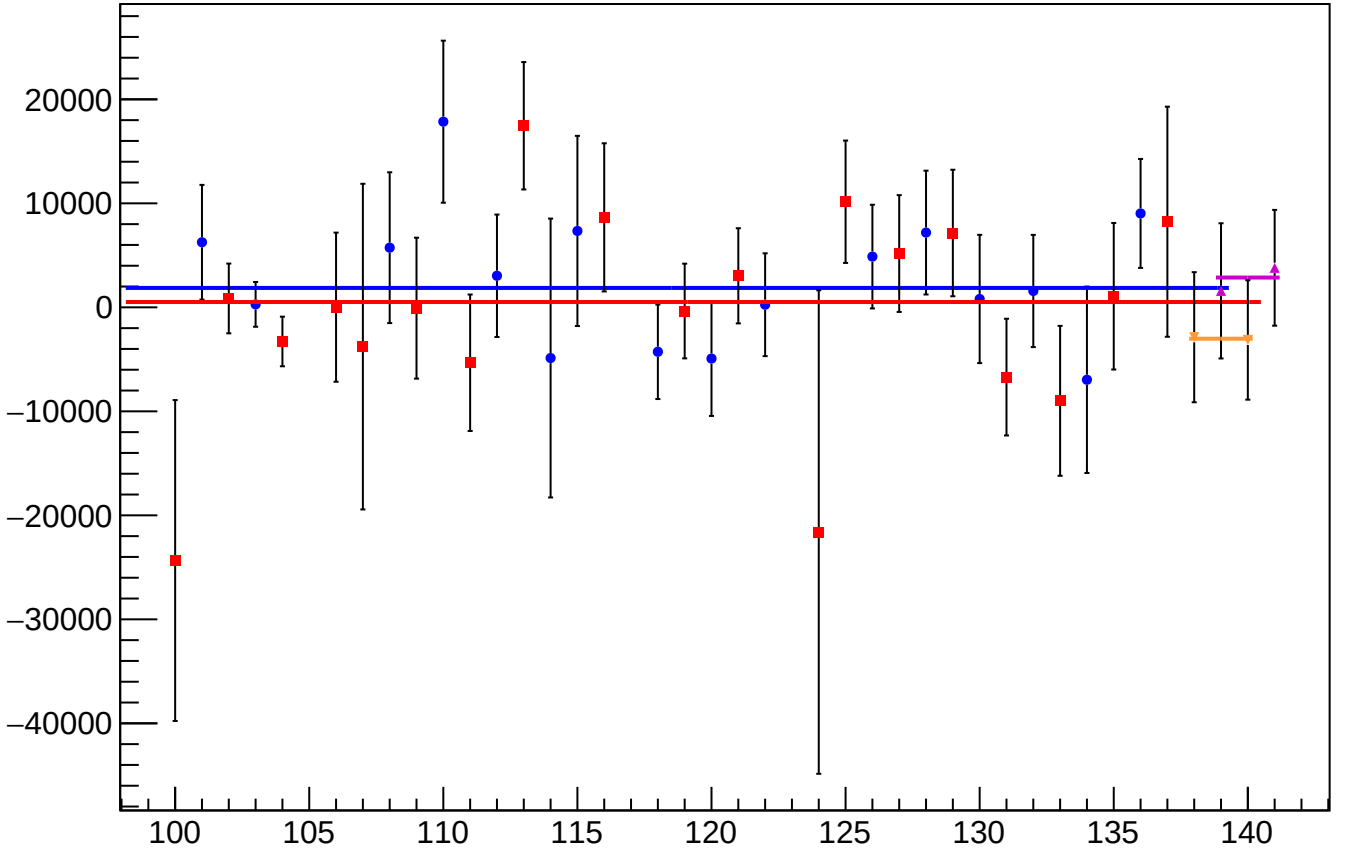
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2036.264+/-0.601 χ^2/NDF:5832113.0/17

Out: 1537.478+/-0.474 χ^2/NDF:7583682.4/20

All: 1728.790+/-0.372 χ^2/NDF: 13841038.9/3

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: -3015.848+/-4229.779 χ^2/NDF:0.0/1

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 2864.428+/-4227.968 χ^2/NDF:0.1/1

Left: -74.451+/-2990.265 χ^2/NDF: 1.0/3

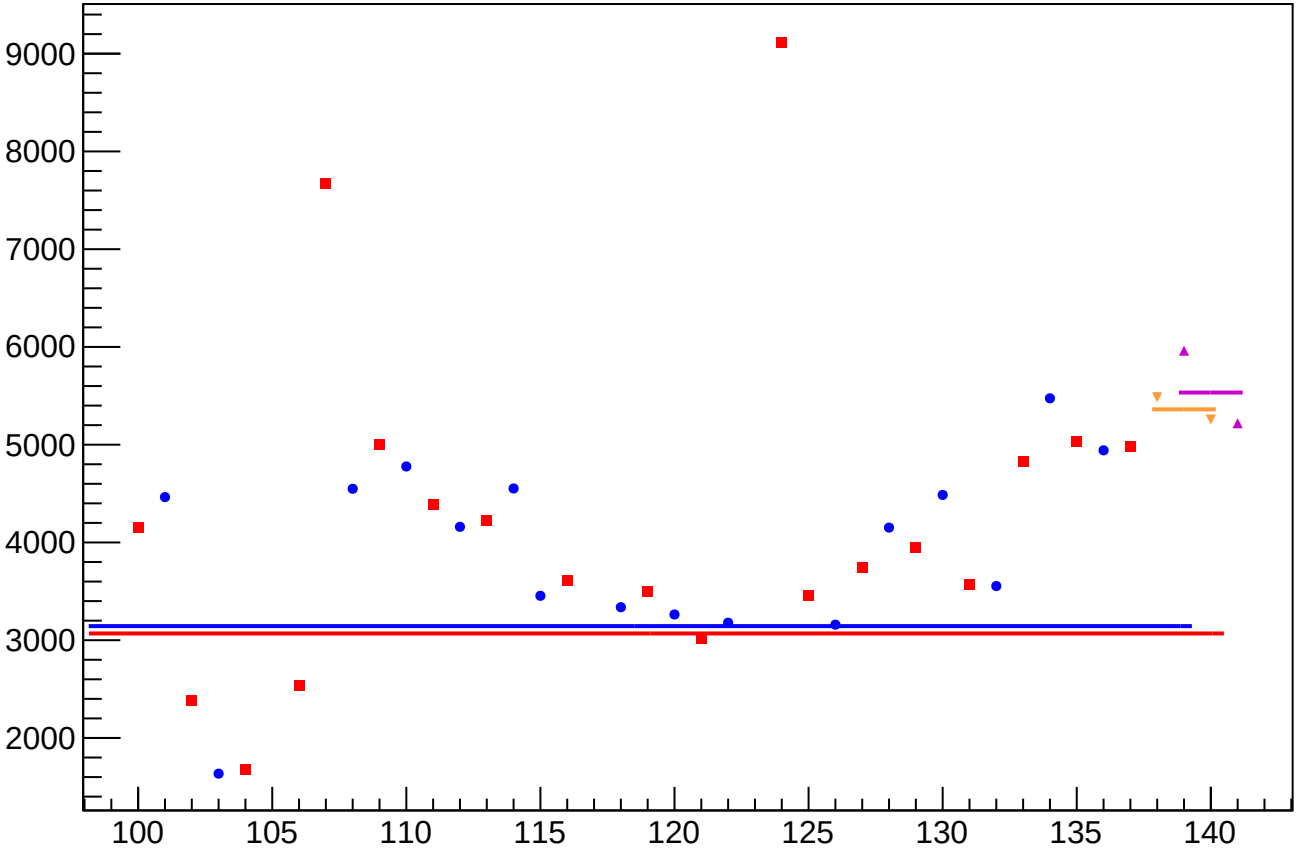
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1947.912+/-1206.803 χ^2/NDF:13.9/17

Out: 232.661+/-1191.259 χ^2/NDF:25.3/20

All: 1079.168+/-847.789 χ^2/NDF: 40.3/38

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5361.494+/-2.991 χ^2/NDF:1431.1/1

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5533.560+/-2.990 χ^2/NDF:15023.7/1

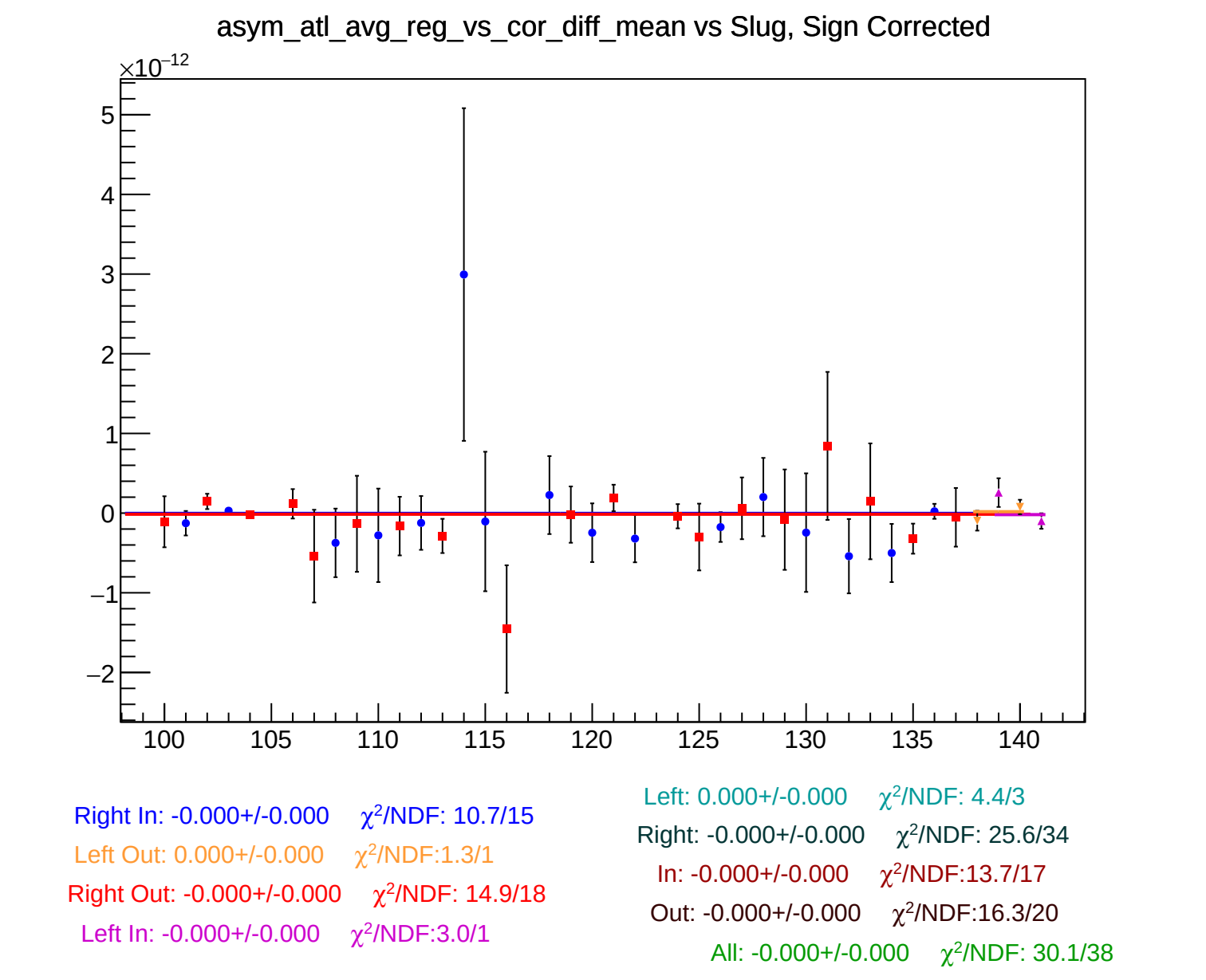
Left: 5447.564+/-2.114 χ^2/NDF: 18110.3/3

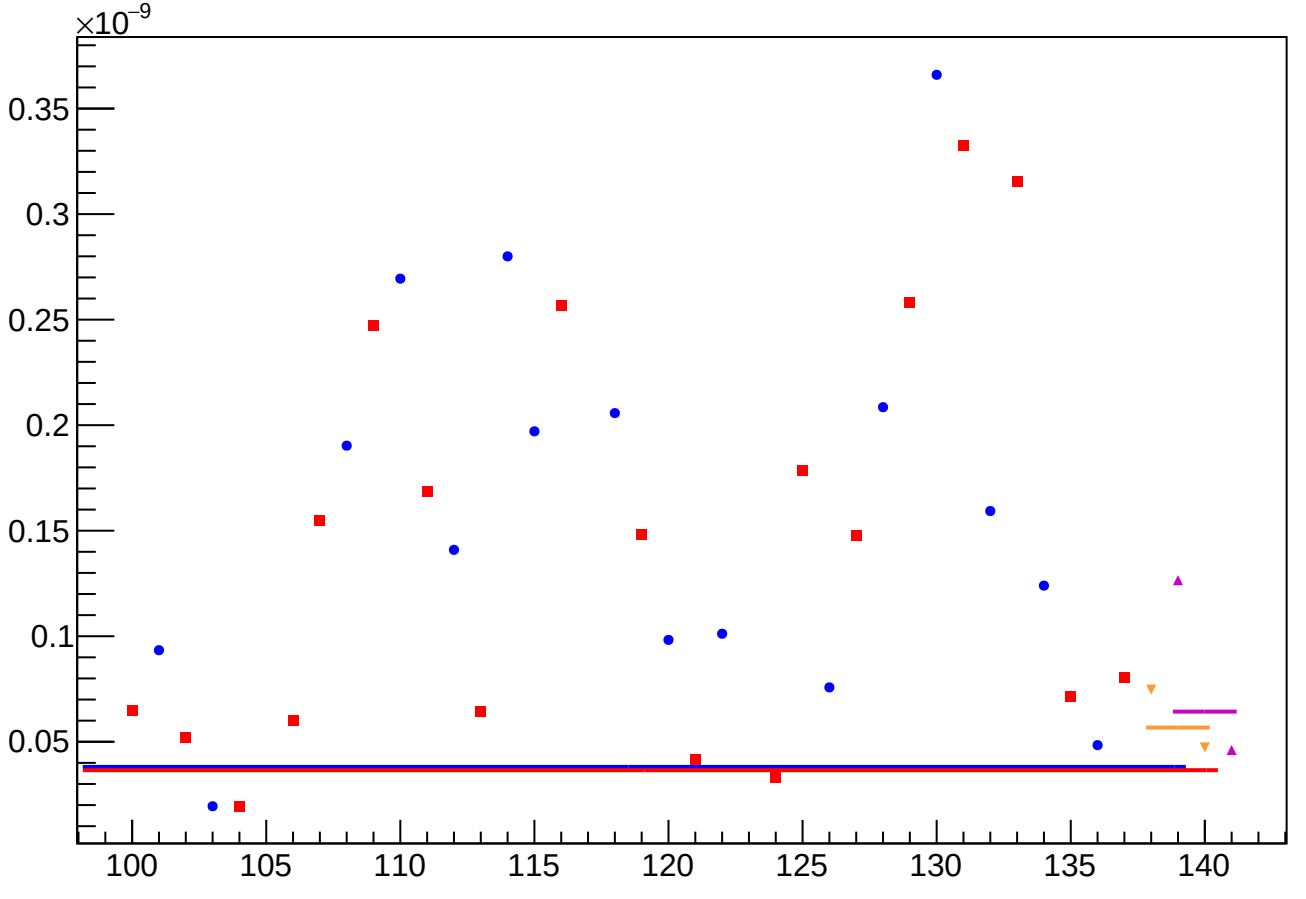
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3338.807+/-0.853 χ^2/NDF:2484902.6/17

Out: 3245.739+/-0.830 χ^2/NDF:2425263.1/20

All: 3290.997+/-0.595 χ^2/NDF: 4916276.3/38


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1.3/1
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: -0.000+/-0.000 χ²/NDF:3.0/1
Left: 0.000+/-0.000 χ²/NDF: 4.4/3
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:13.7/17
Out: -0.000+/-0.000 χ²/NDF:16.3/20
All: -0.000+/-0.000 χ²/NDF: 30.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:63453.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:308522.7/1

Left: 0.000+/-0.000 χ^2/NDF: 380970.1/3

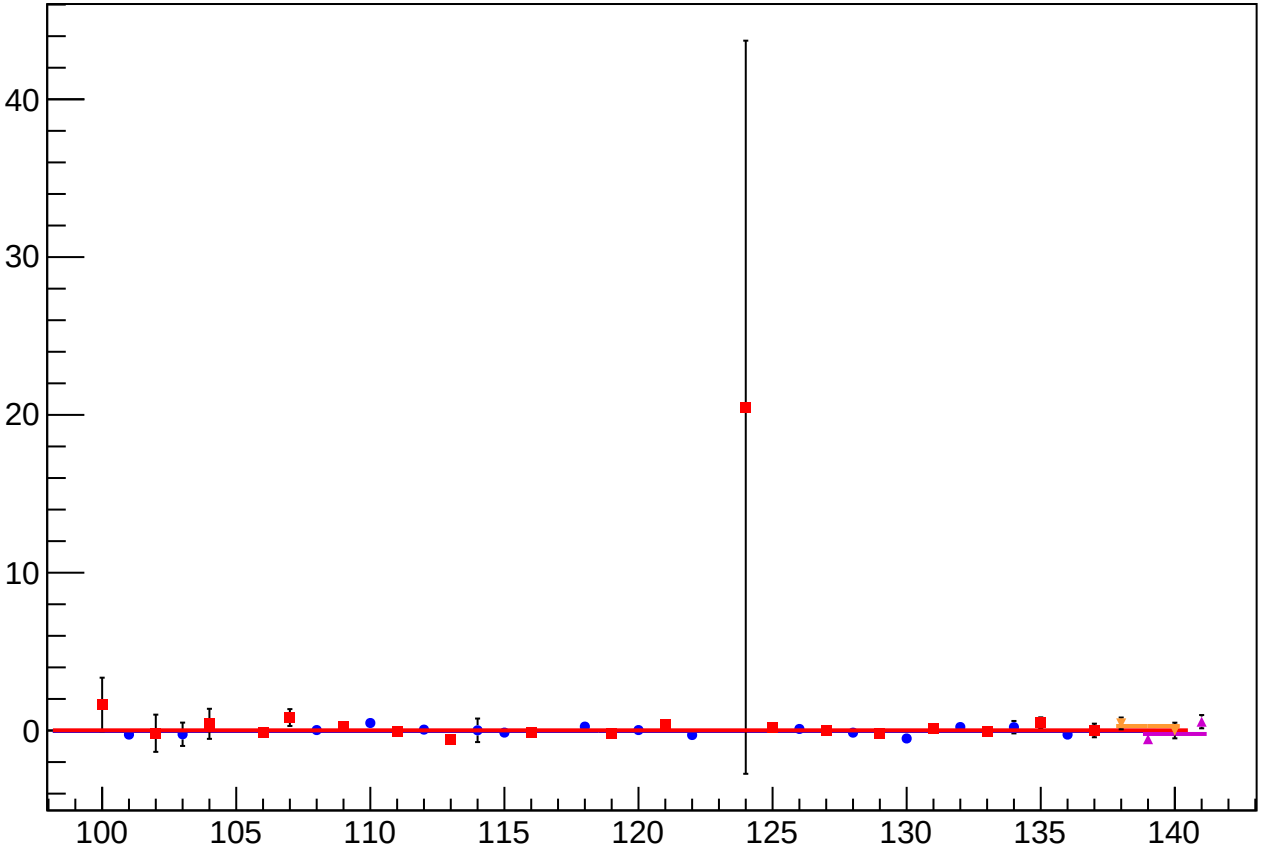
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:3358750.7/17

Out: 0.000+/-0.000 χ^2/NDF:2874493.0/20

All: 0.000+/-0.000 χ^2/NDF: 6236562.4/38

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.286+/-0.299 χ^2/NDF:0.5/1

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.220+/-0.229 χ^2/NDF:4.9/1

Left: -0.033+/-0.182 χ^2/NDF: 7.2/3

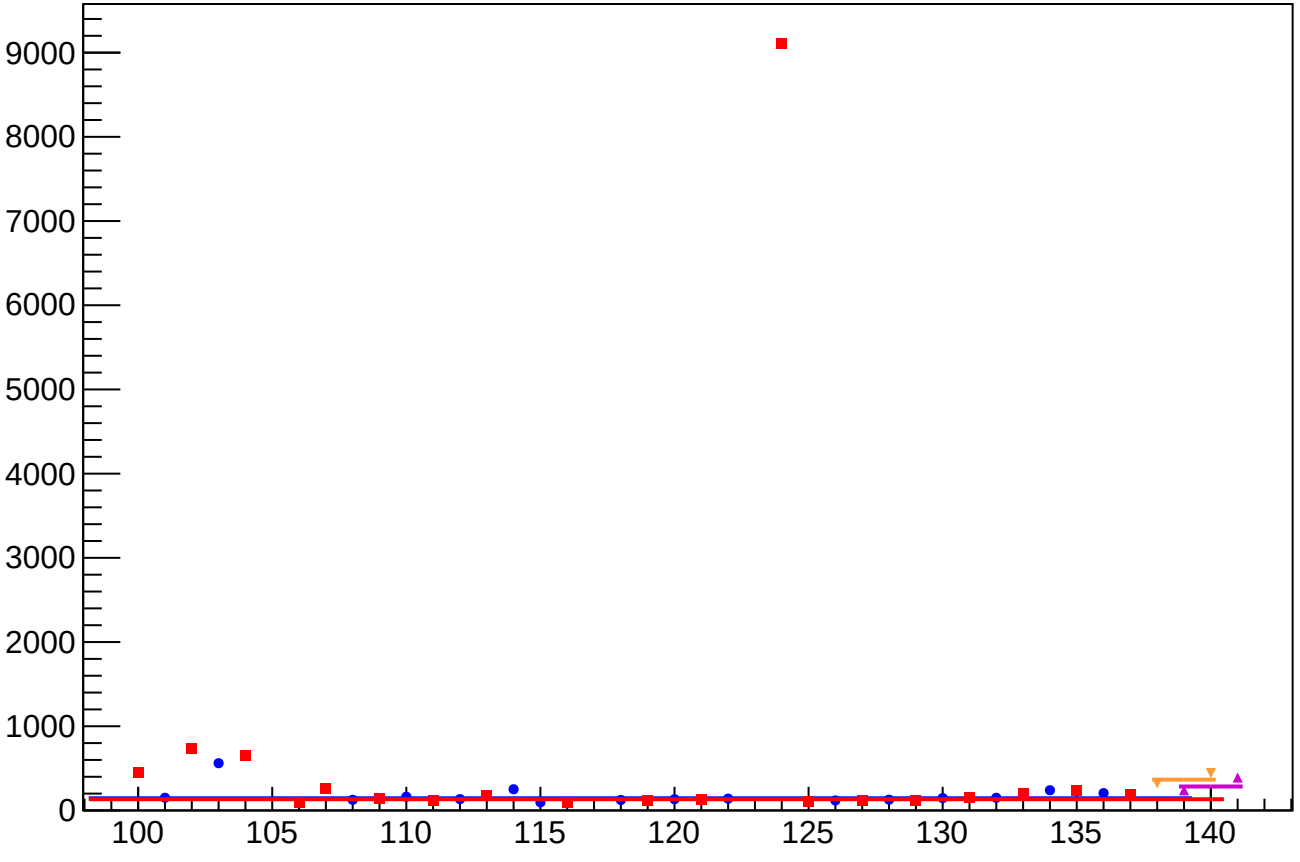
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.056 χ^2/NDF:22.8/17

Out: 0.020+/-0.056 χ^2/NDF:23.1/20

All: -0.010+/-0.039 χ^2/NDF: 46.5/38

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 365.839+/-0.211 χ^2/NDF:77209.8/1

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 284.610+/-0.162 χ^2/NDF:181981.3/1

Left: 314.658+/-0.129 χ^2/NDF: 352316.6/3

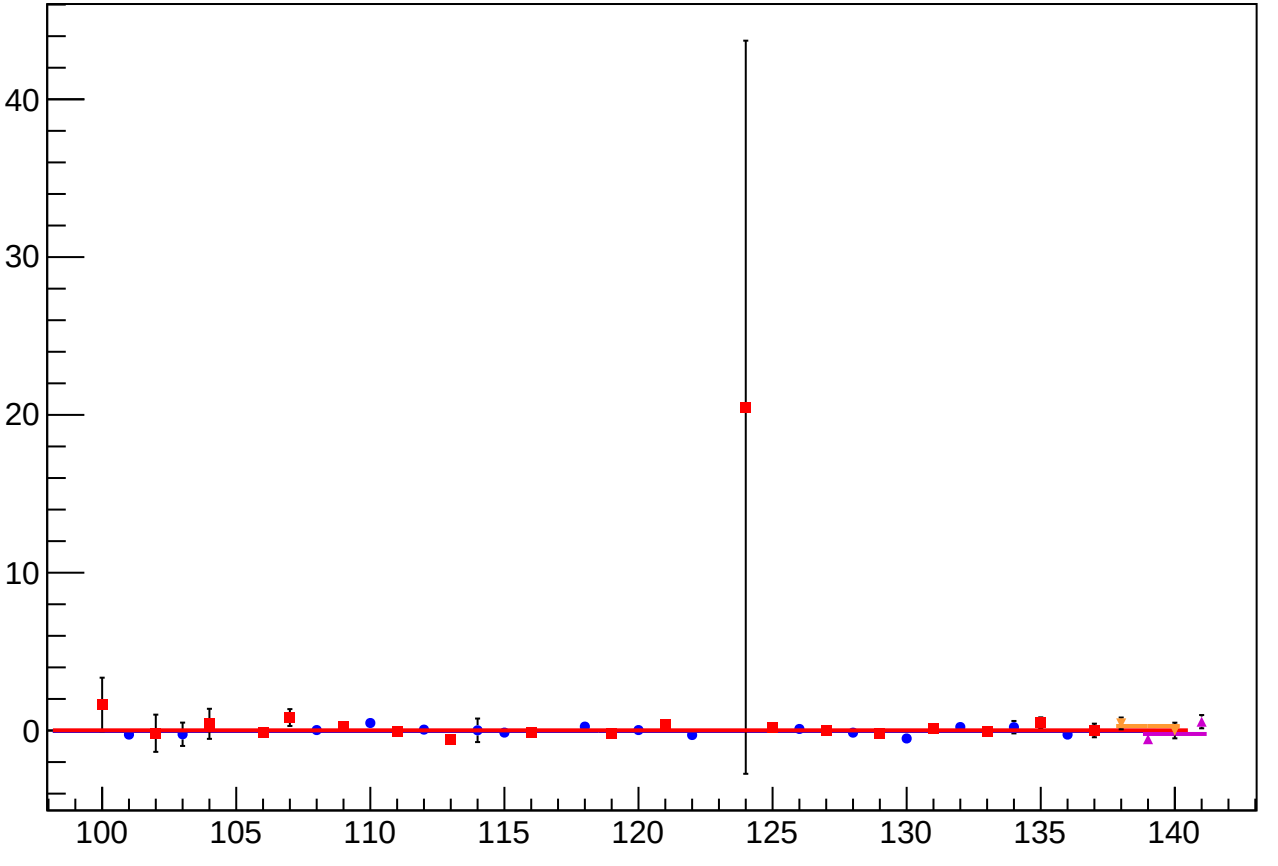
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 152.705+/-0.040 χ^2/NDF:2016916.0/17

Out: 141.285+/-0.039 χ^2/NDF:3467758.7/20

All: 146.940+/-0.028 χ^2/NDF: 5526562.8/38

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.286+/-0.299 χ^2/NDF:0.5/1

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.220+/-0.229 χ^2/NDF:4.9/1

Left: -0.033+/-0.182 χ^2/NDF: 7.2/3

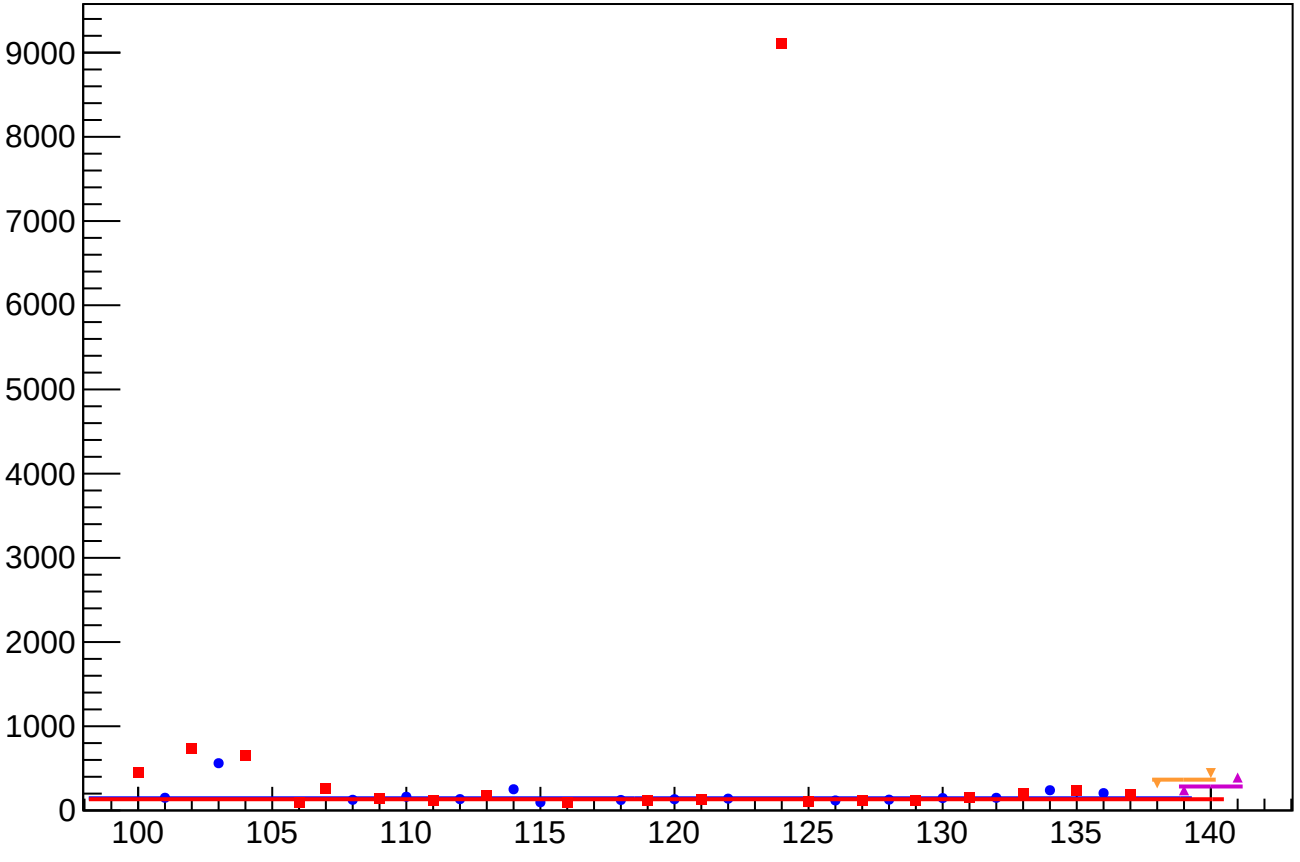
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.056 χ^2/NDF:22.8/17

Out: 0.020+/-0.056 χ^2/NDF:23.1/20

All: -0.010+/-0.039 χ^2/NDF: 46.5/38

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 365.839+/-0.211 χ^2/NDF:77209.8/1

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 284.610+/-0.162 χ^2/NDF:181981.3/1

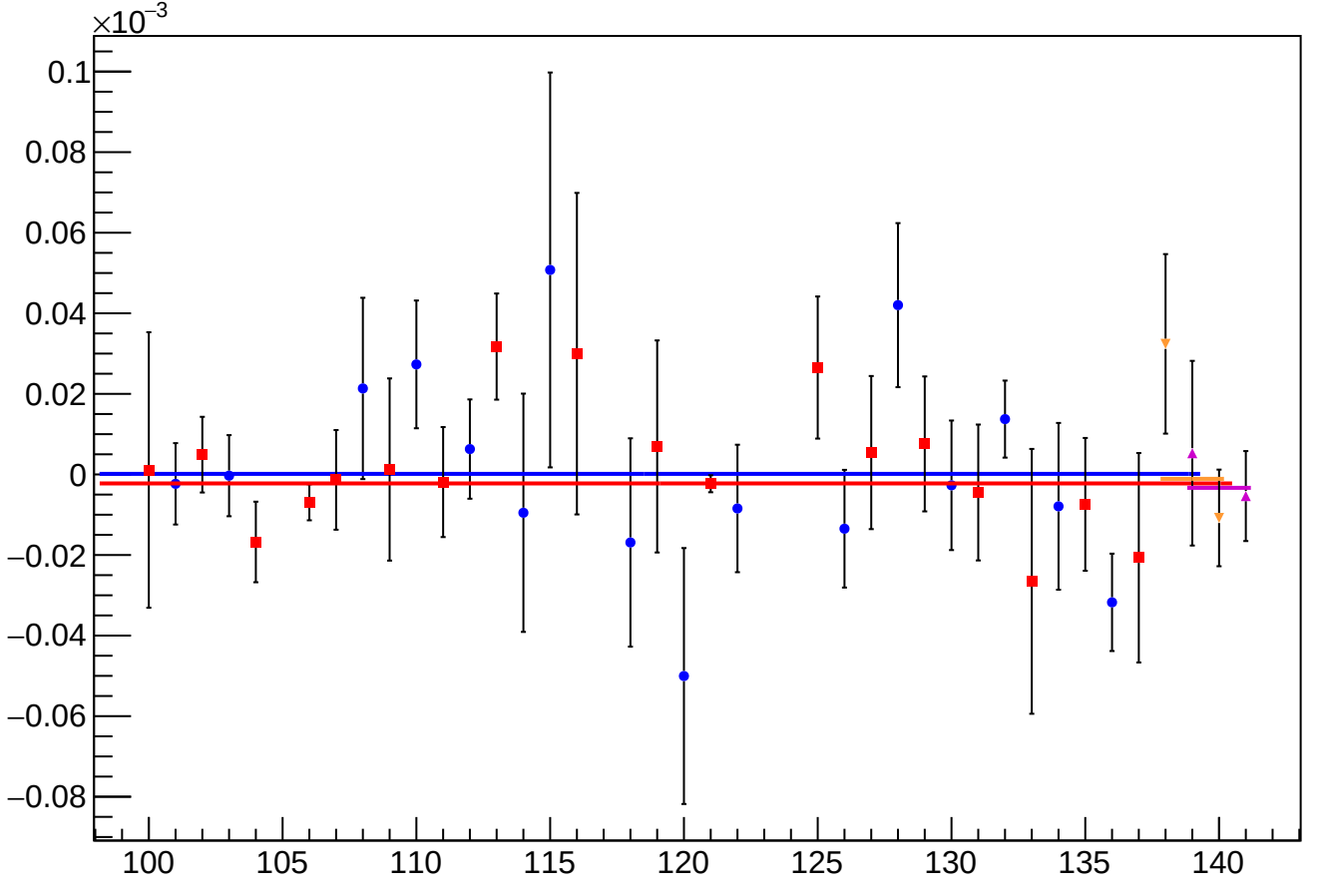
Left: 314.658+/-0.129 χ^2/NDF: 352316.6/3

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 152.705+/-0.040 χ^2/NDF:2016916.0/17

Out: 141.285+/-0.039 χ^2/NDF:3467758.7/20

All: 146.940+/-0.028 χ^2/NDF: 5526562.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

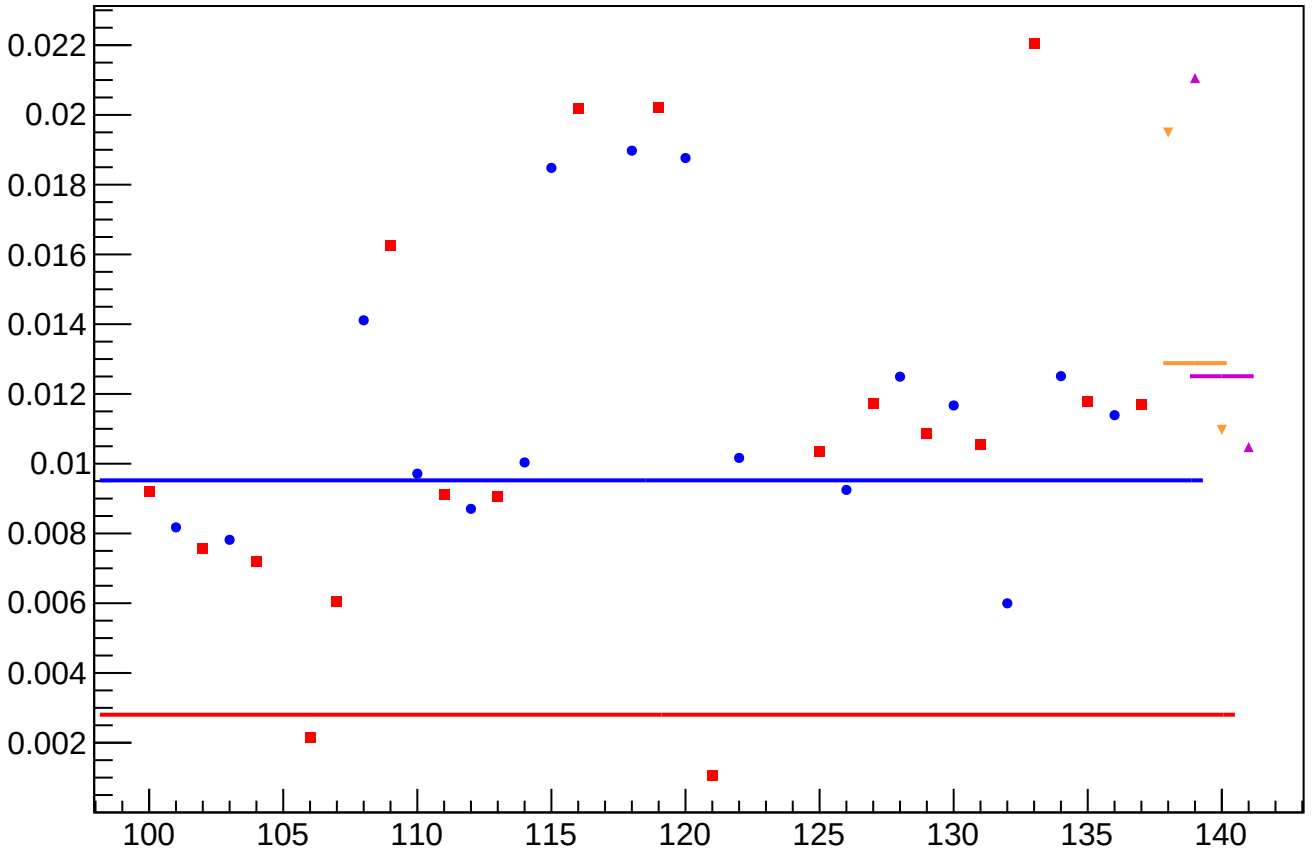
Left: -0.000+/-0.000 χ^2/NDF: 3.1/3

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: -0.000+/-0.000 χ^2/NDF:23.1/17

Out: -0.000+/-0.000 χ^2/NDF:18.5/19

All: -0.000+/-0.000 χ^2/NDF: 41.8/37



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.013+/-0.000 χ^2/NDF:227076.9/1

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.013+/-0.000 χ^2/NDF:344325.0/1

Left: 0.013+/-0.000 χ^2/NDF: 572736.2/3

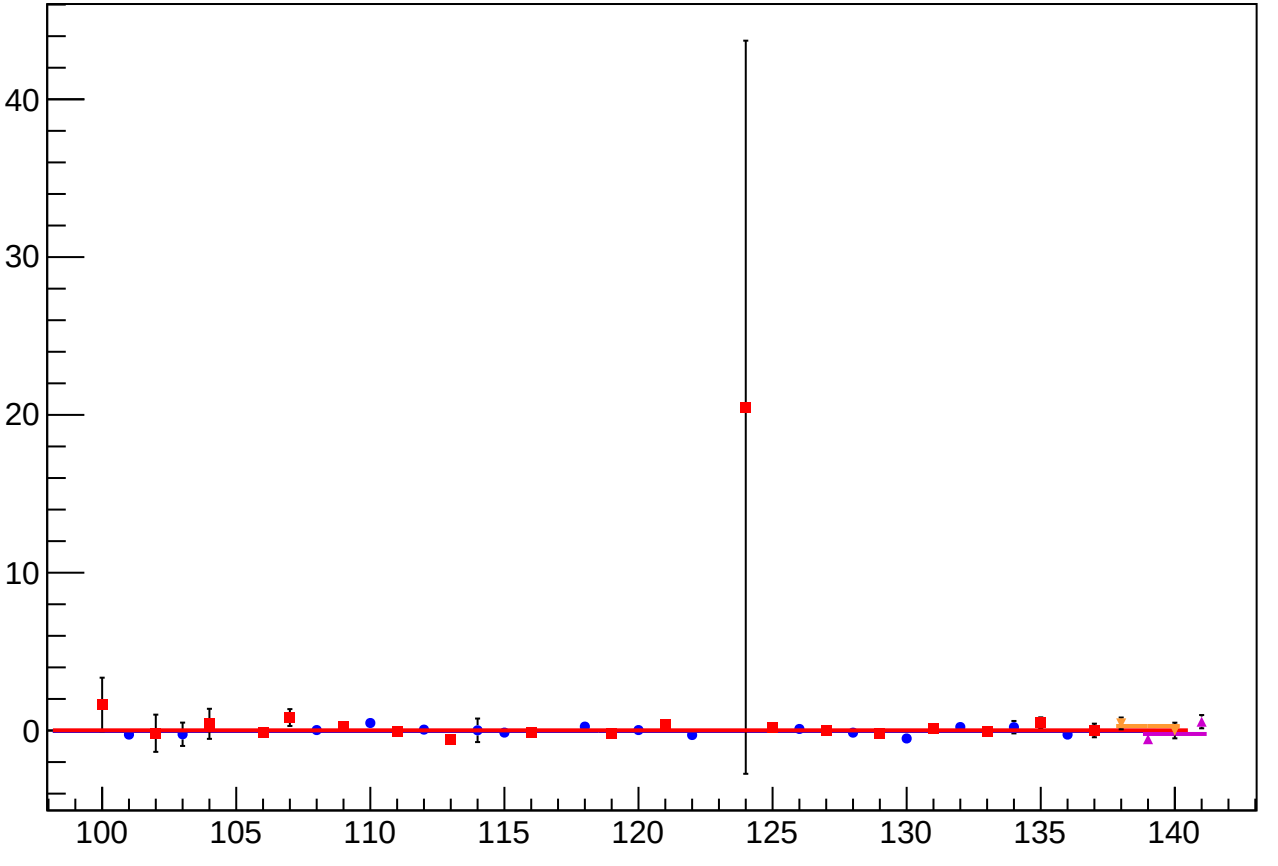
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.010+/-0.000 χ^2/NDF:1632550.2/17

Out: 0.003+/-0.000 χ^2/NDF:10571623.5/19

All: 0.004+/-0.000 χ^2/NDF: 18334212.5/37

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.286+/-0.299 χ^2/NDF:0.5/1

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.220+/-0.229 χ^2/NDF:4.9/1

Left: -0.033+/-0.182 χ^2/NDF: 7.2/3

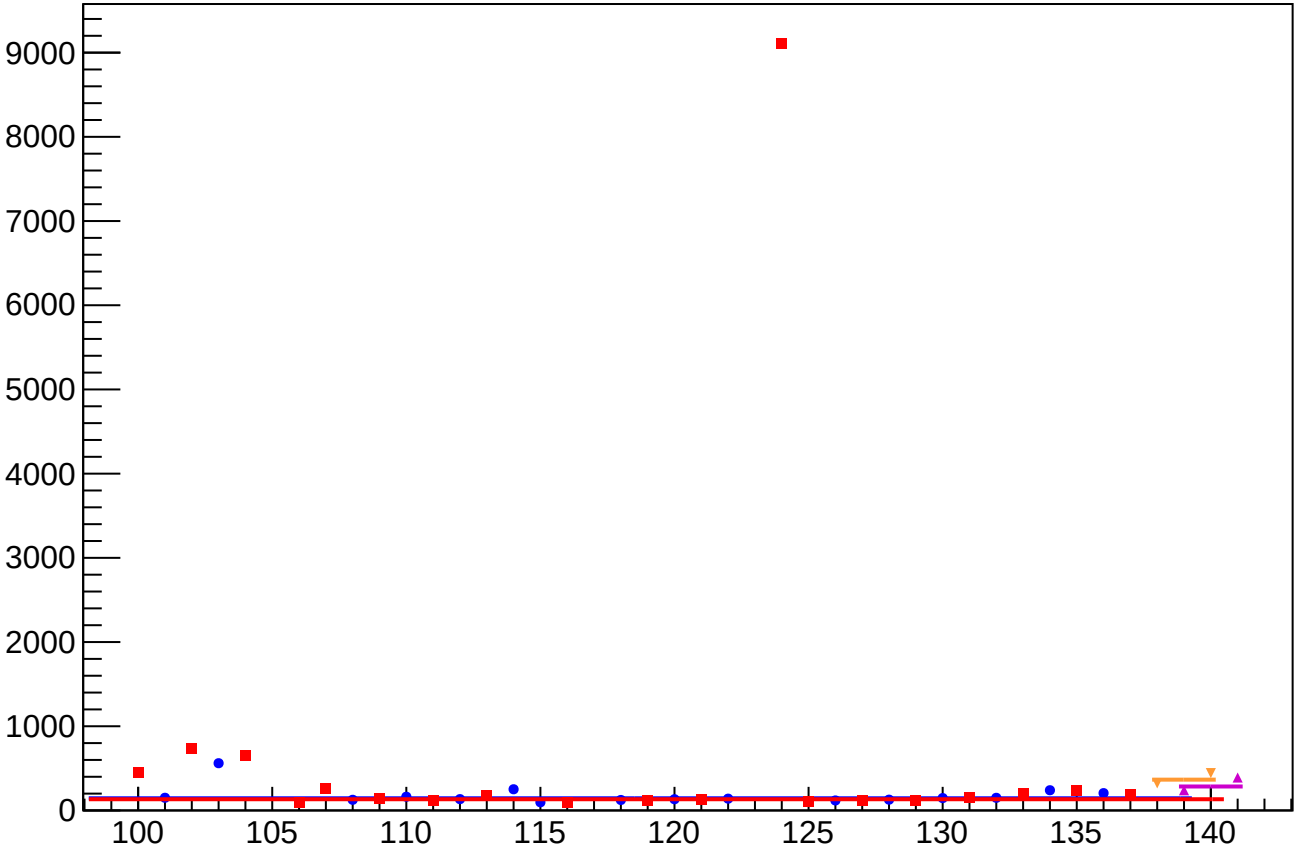
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.056 χ^2/NDF:22.8/17

Out: 0.020+/-0.056 χ^2/NDF:23.1/20

All: -0.010+/-0.039 χ^2/NDF: 46.5/38

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 365.842+/-0.211 χ^2/NDF:77213.2/1

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 284.616+/-0.162 χ^2/NDF:181971.0/1

Left: 314.664+/-0.129 χ^2/NDF: 352297.3/3

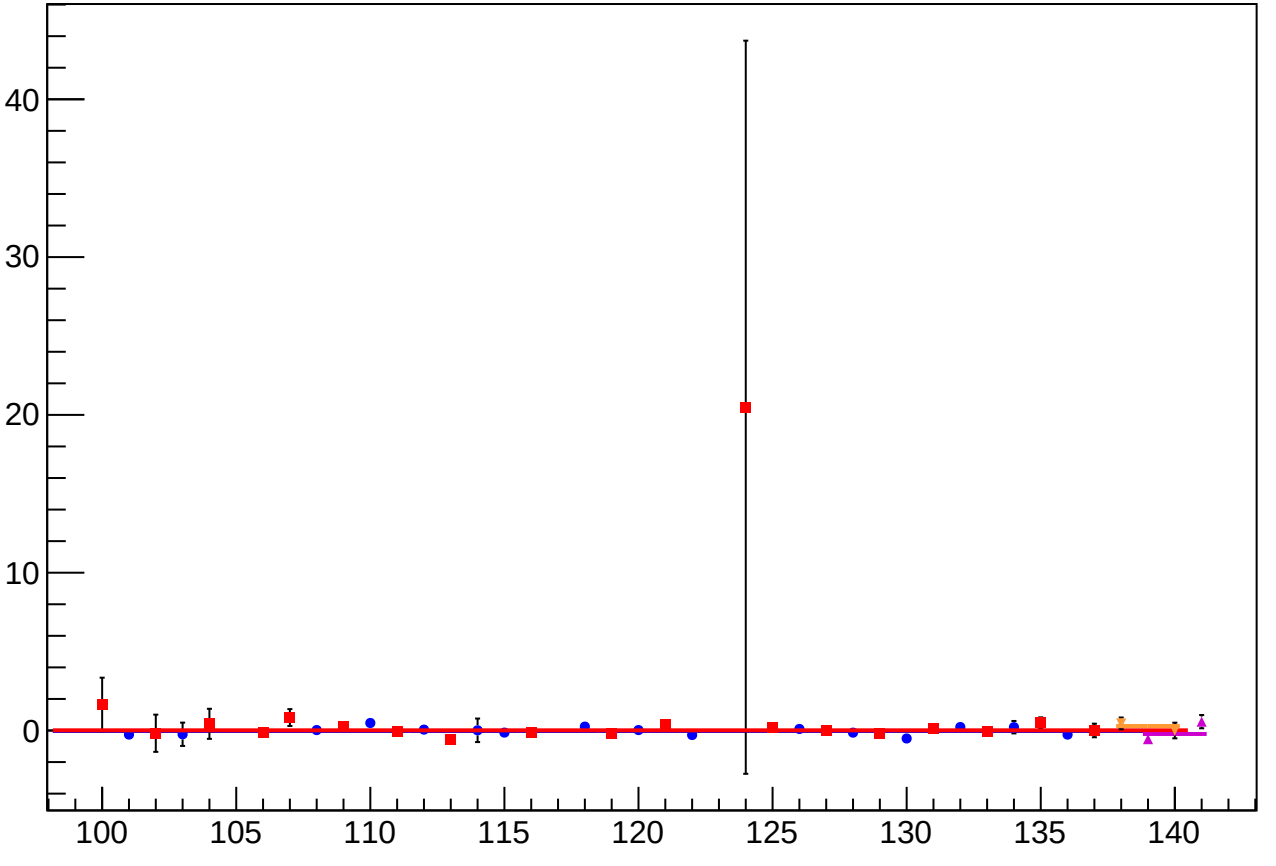
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 152.704+/-0.040 χ^2/NDF:2016984.8/17

Out: 141.285+/-0.039 χ^2/NDF:3467740.1/20

All: 146.939+/-0.028 χ^2/NDF: 5526607.9/38

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.286+/-0.299 χ^2/NDF:0.5/1

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.220+/-0.229 χ^2/NDF:4.9/1

Left: -0.033+/-0.182 χ^2/NDF: 7.2/3

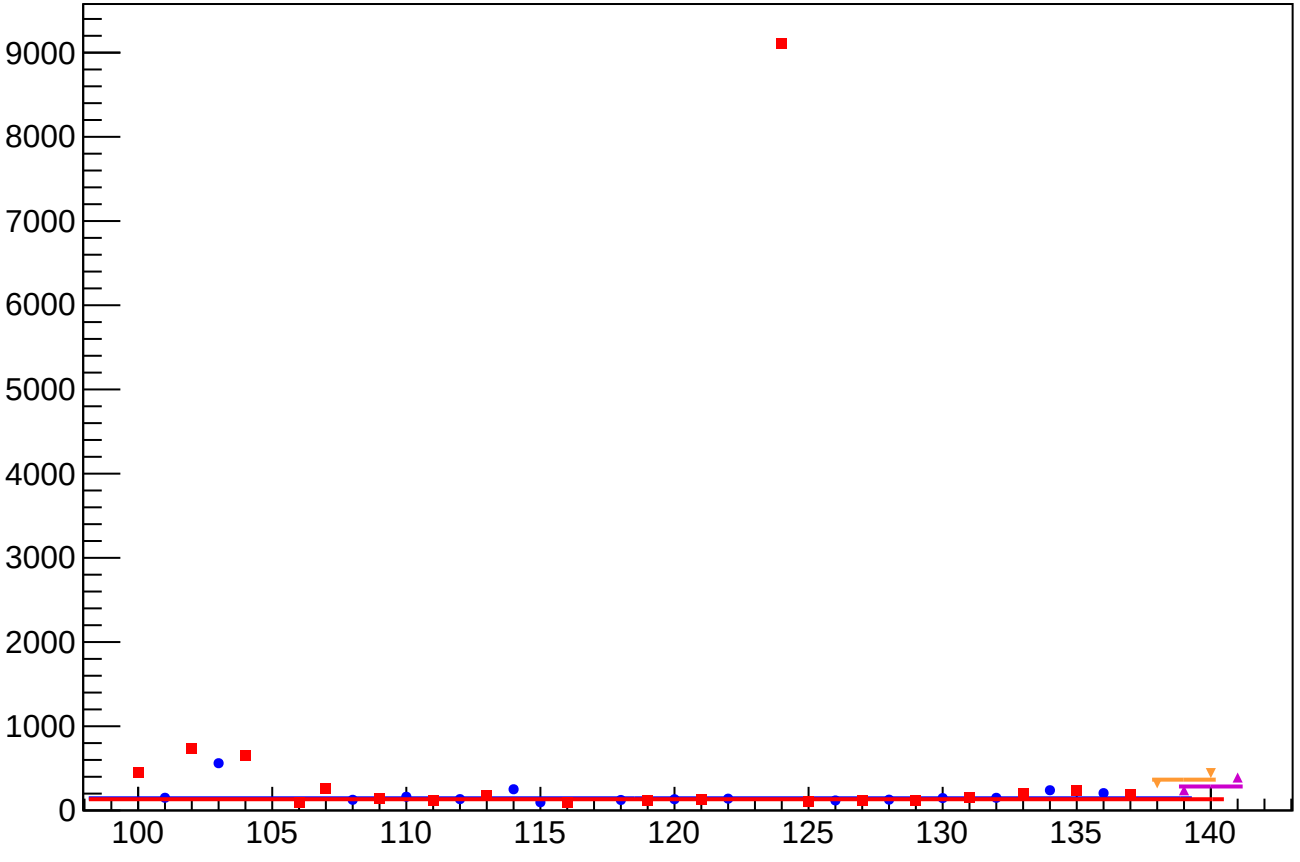
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.056 χ^2/NDF:22.8/17

Out: 0.020+/-0.056 χ^2/NDF:23.1/20

All: -0.010+/-0.039 χ^2/NDF: 46.5/38

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 365.842+/-0.211 χ^2/NDF:77213.2/1

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 284.616+/-0.162 χ^2/NDF:181971.0/1

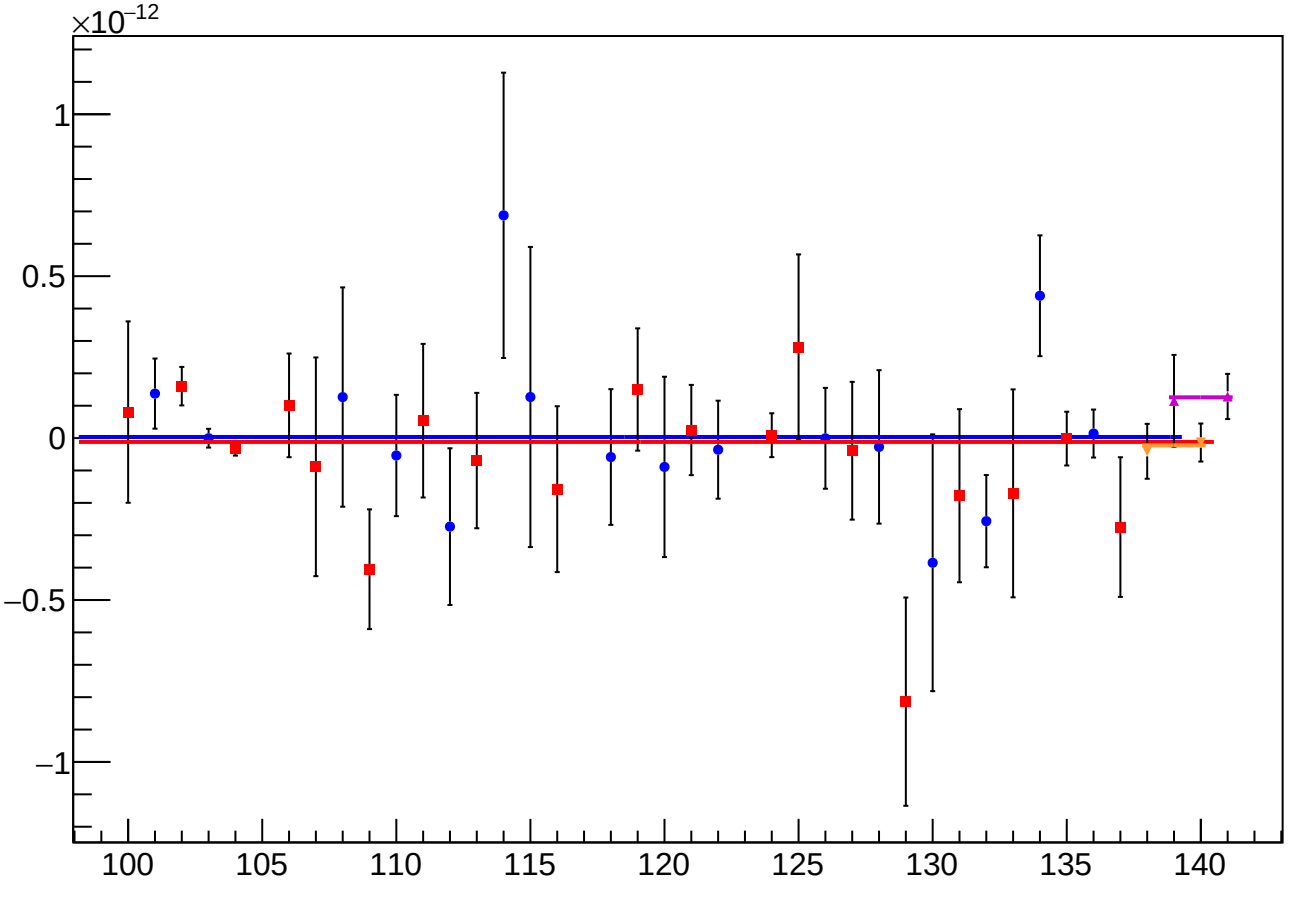
Left: 314.664+/-0.129 χ^2/NDF: 352297.3/3

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 152.704+/-0.040 χ^2/NDF:2016984.8/17

Out: 141.285+/-0.039 χ^2/NDF:3467740.1/20

All: 146.939+/-0.028 χ^2/NDF: 5526607.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

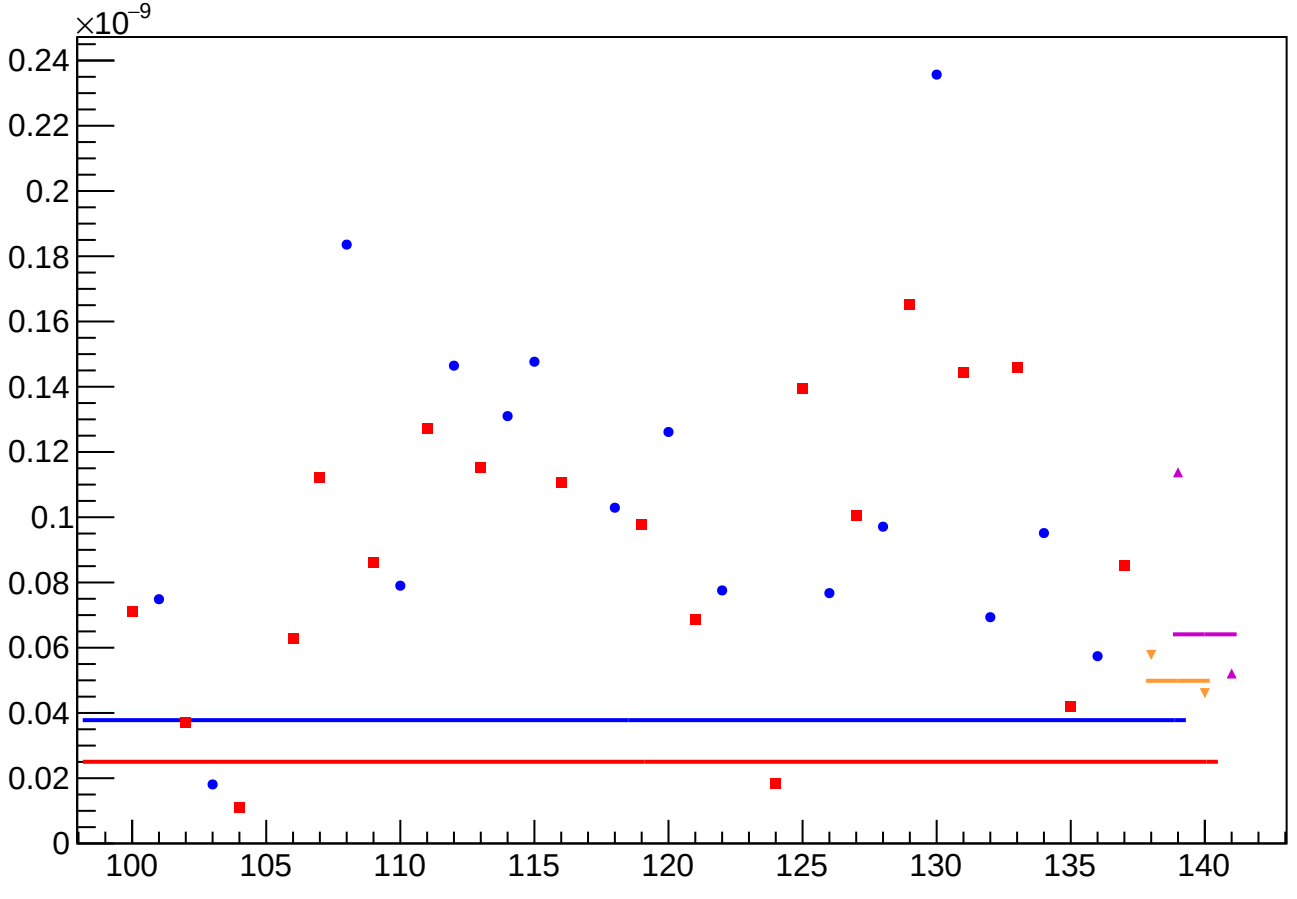
Left: 0.000+/-0.000 χ^2/NDF: 3.6/3

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:19.0/17

Out: -0.000+/-0.000 χ^2/NDF:25.2/20

All: -0.000+/-0.000 χ^2/NDF: 45.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25800.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:303958.4/1

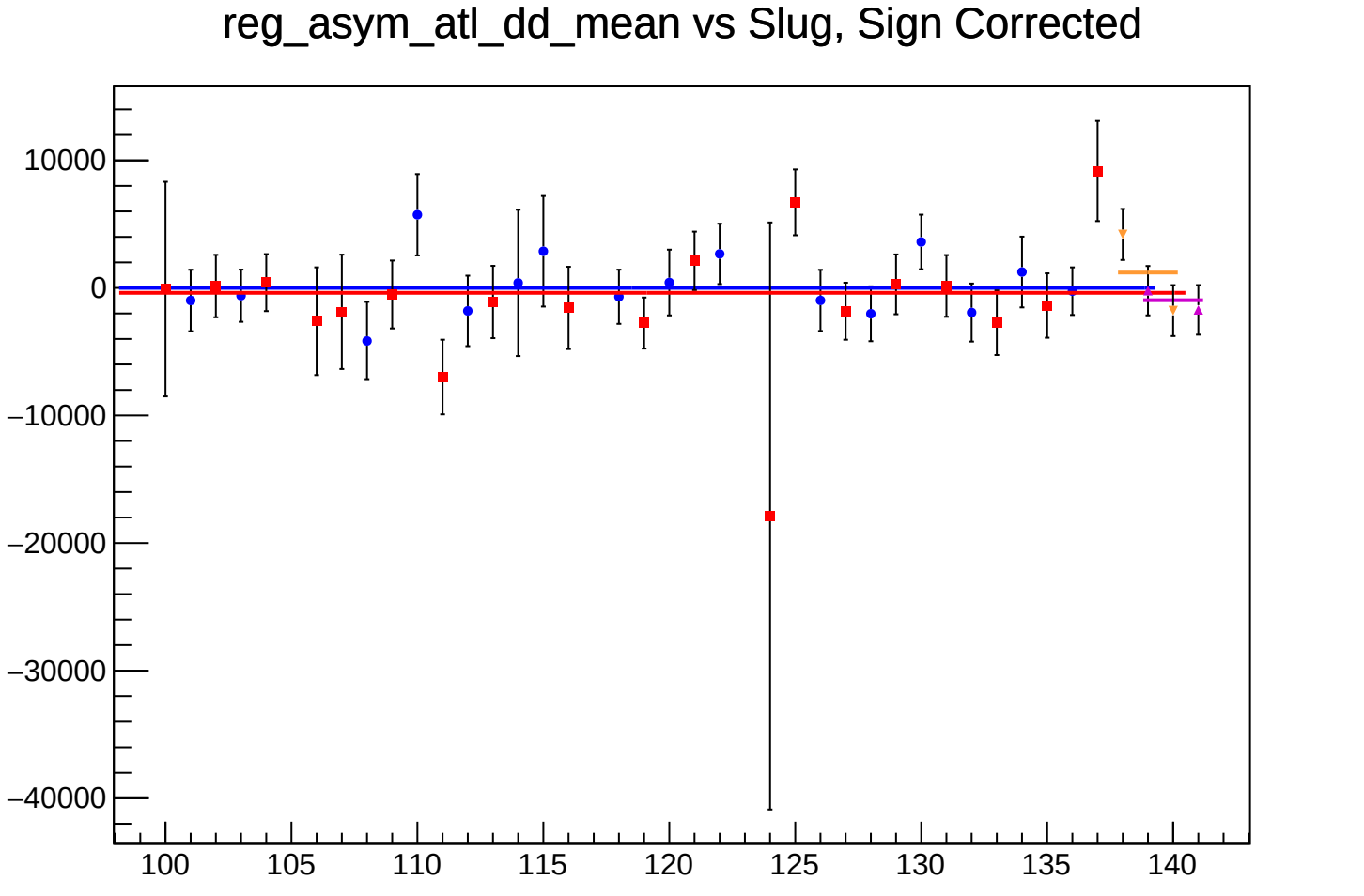
Left: 0.000+/-0.000 χ^2/NDF: 394637.1/3

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

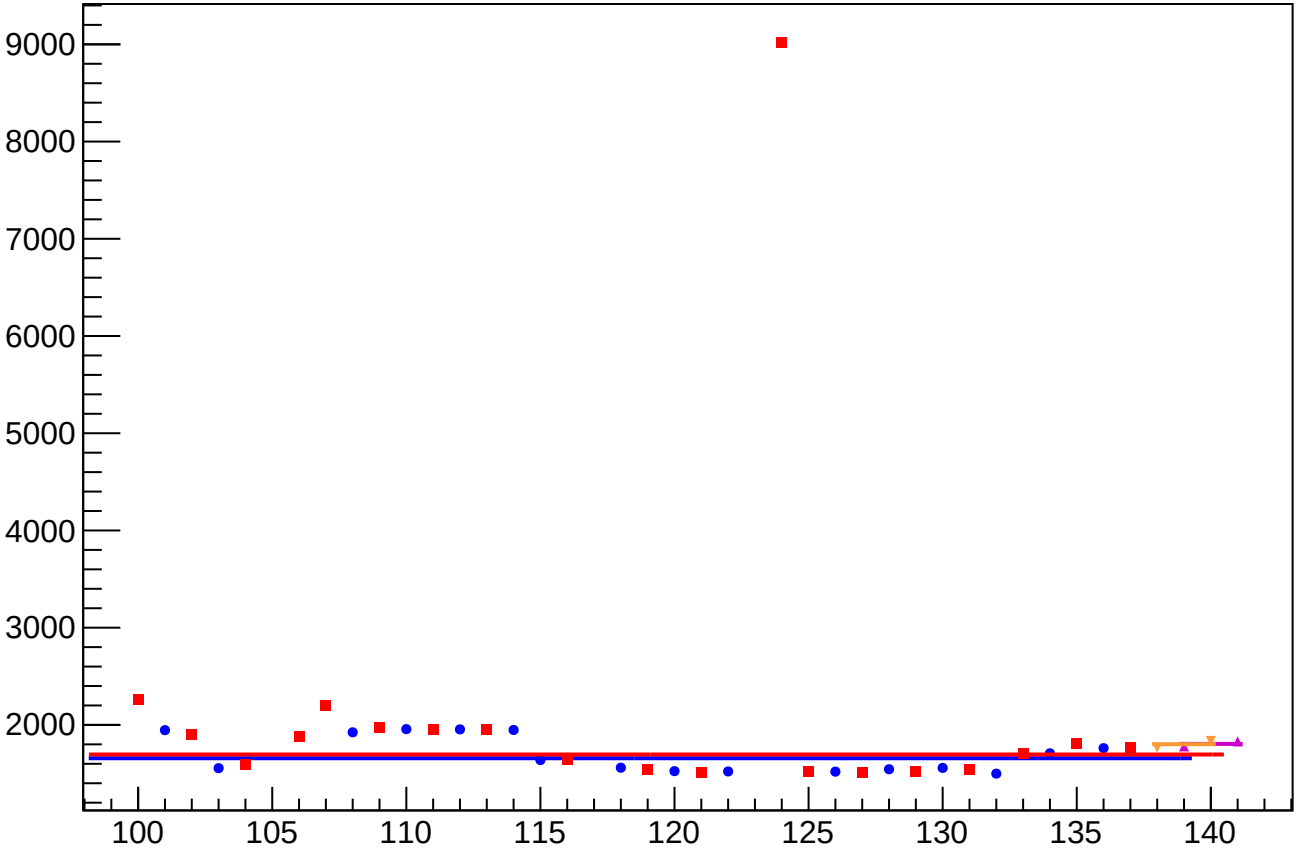
In: 0.000+/-0.000 χ^2/NDF:4554548.5/17

Out: 0.000+/-0.000 χ^2/NDF:5188776.5/20

All: 0.000+/-0.000 χ^2/NDF: 10160870.0/38


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
Right In: 4.373+/-619.905 χ²/NDF: 12.4/15
Left Out: 1203.305+/-1413.676 χ²/NDF:4.5/1
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: -965.469+/-1371.733 χ²/NDF:0.3/1
Left: 86.268+/-984.456 χ²/NDF: 6.0/3
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: -160.104+/-564.900 χ²/NDF:13.2/17
Out: -119.057+/-578.246 χ²/NDF:29.6/20
All: -140.059+/-404.080 χ²/NDF: 42.7/38

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1801.034+/-1.000 χ^2/NDF:1149.7/1

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1804.585+/-0.970 χ^2/NDF:692.4/1

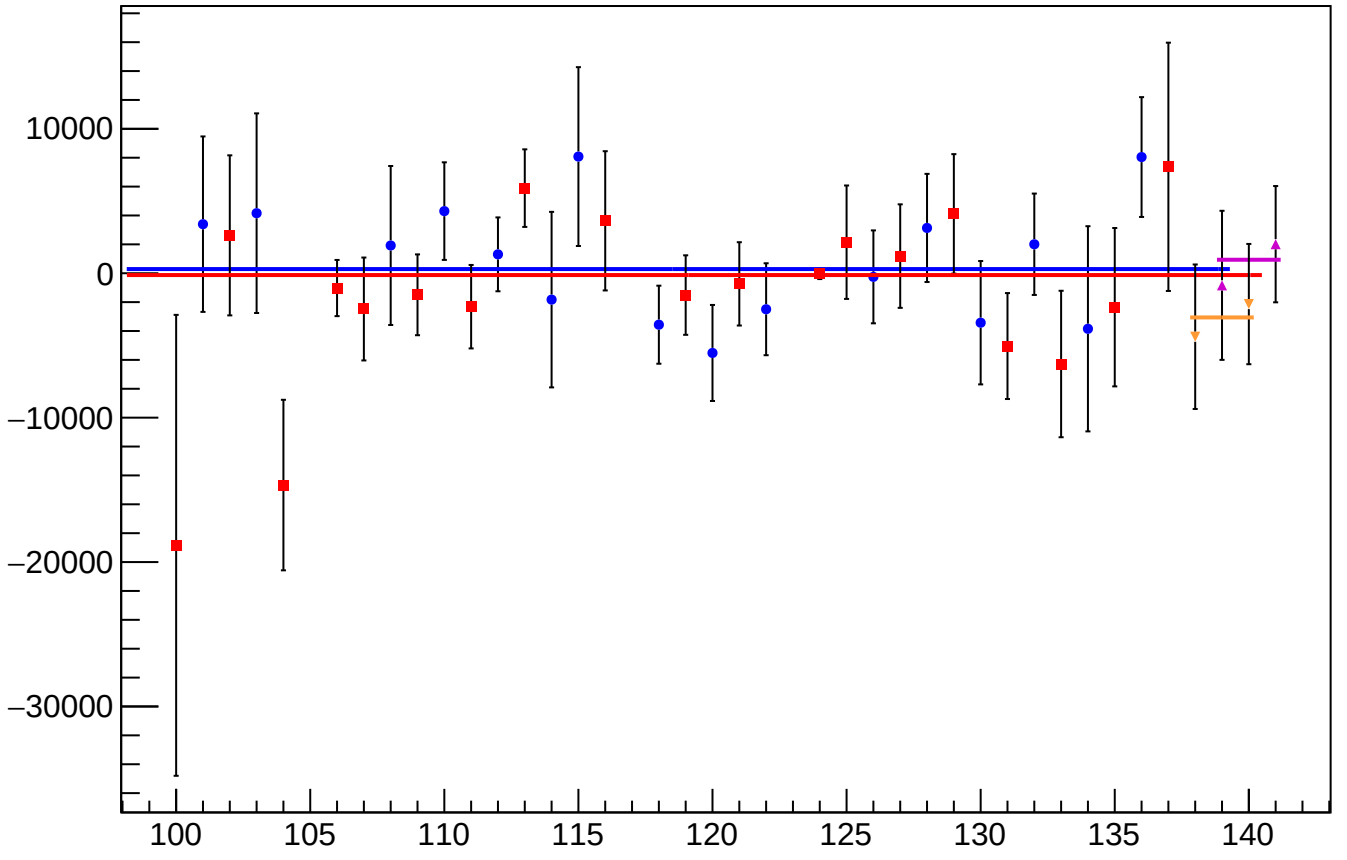
Left: 1802.863+/-0.696 χ^2/NDF: 1848.6/3

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1682.128+/-0.399 χ^2/NDF:163869.0/17

Out: 1713.146+/-0.407 χ^2/NDF:396635.0/20

All: 1697.334+/-0.285 χ^2/NDF: 563460.1/38



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: -3060.516+/-3200.722 χ^2/NDF:0.1/1

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: 934.344+/-3174.353 χ^2/NDF:0.2/1

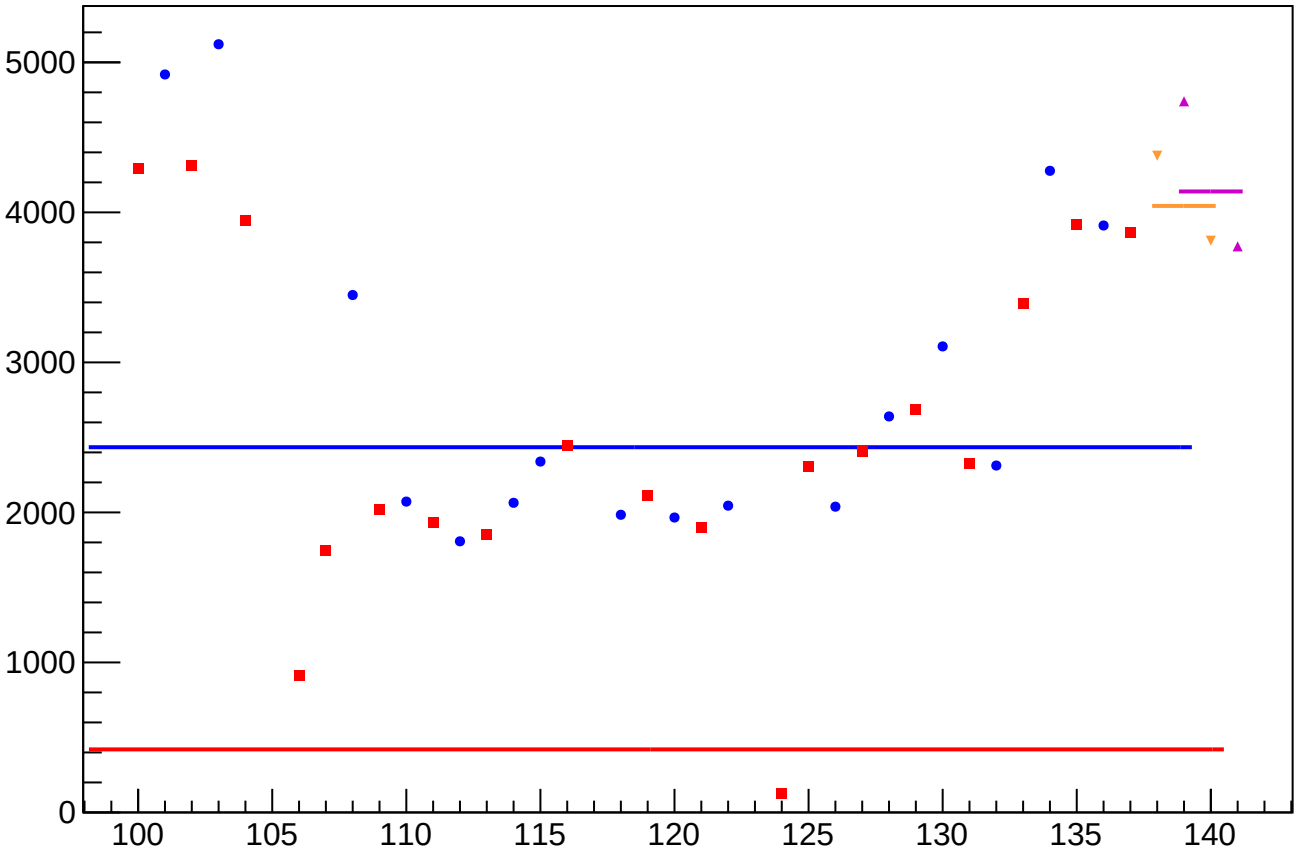
Left: -1046.562+/-2253.871 χ^2/NDF: 1.1/3

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: 343.428+/-919.837 χ^2/NDF:15.5/17

Out: -155.303+/-322.072 χ^2/NDF:21.8/20

All: -100.837+/-303.977 χ^2/NDF: 37.5/38



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 4043.115+/-2.263 χ^2/NDF:15157.3/1

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4139.377+/-2.245 χ^2/NDF:43638.1/1

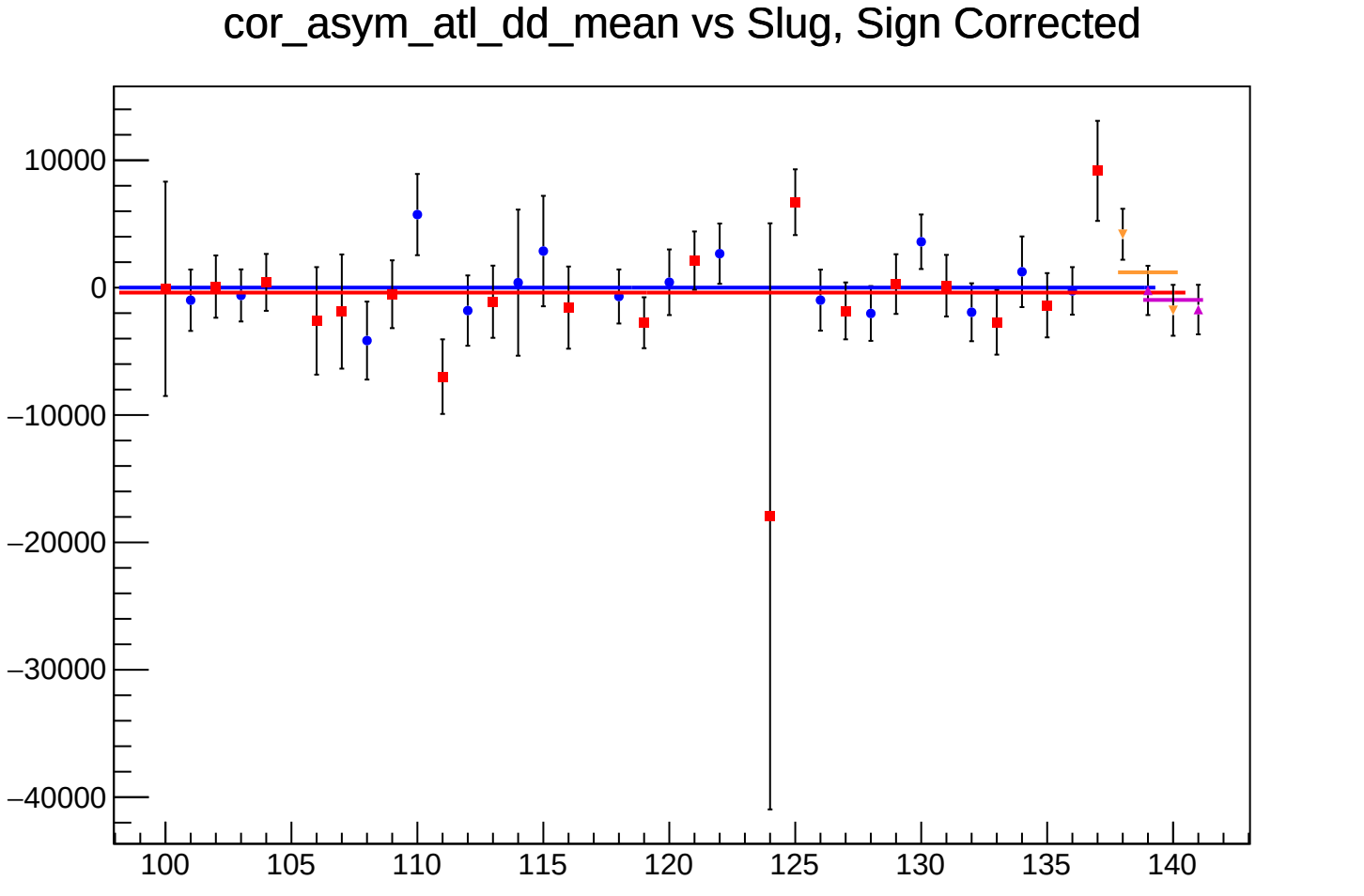
Left: 4091.645+/-1.594 χ^2/NDF: 59707.4/3

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2577.740+/-0.650 χ^2/NDF:2029767.5/17

Out: 456.974+/-0.228 χ^2/NDF:13615478.3/20

All: 688.581+/-0.215 χ^2/NDF: 25115666.8/38



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1203.178+/-1413.676 χ^2/NDF:4.5/1

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -965.124+/-1371.733 χ^2/NDF:0.3/1

Left: 86.384+/-984.456 χ^2/NDF: 6.0/3

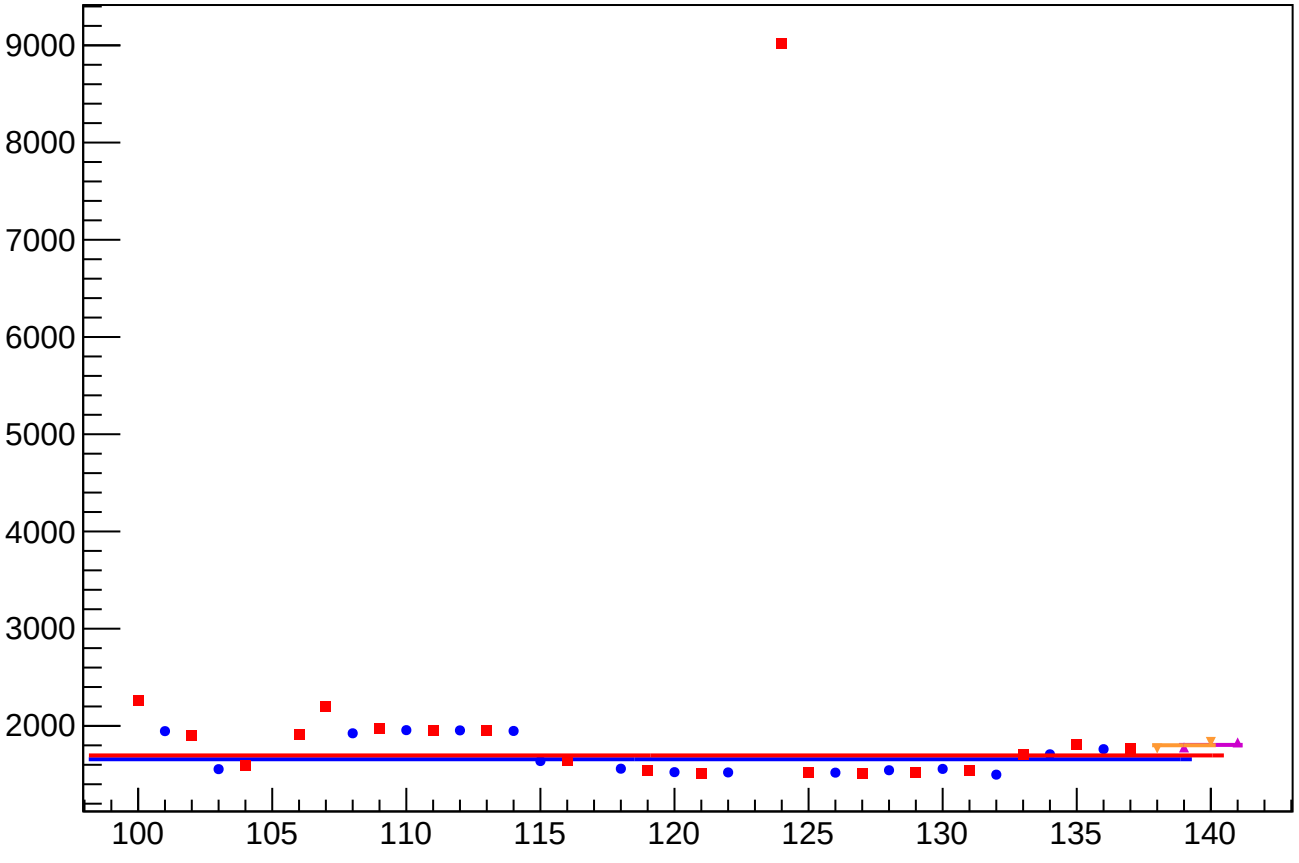
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -160.110+/-564.900 χ^2/NDF:13.2/17

Out: -122.652+/-578.251 χ^2/NDF:29.6/20

All: -141.818+/-404.082 χ^2/NDF: 42.7/38

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1801.034+/-1.000 χ^2/NDF:1149.7/1

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1804.585+/-0.970 χ^2/NDF:692.4/1

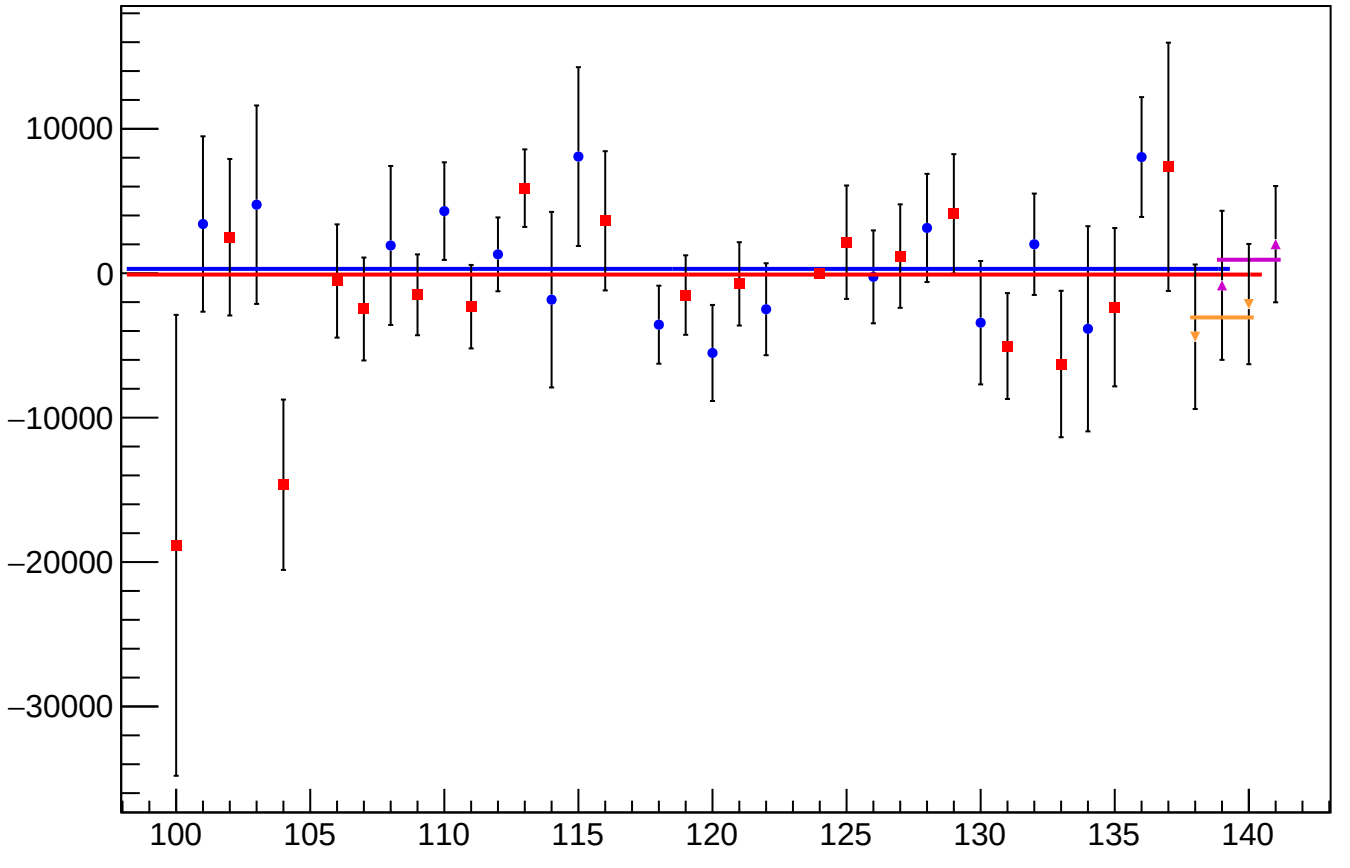
Left: 1802.863+/-0.696 χ^2/NDF: 1848.6/3

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1682.128+/-0.399 χ^2/NDF:163869.0/17

Out: 1713.822+/-0.407 χ^2/NDF:398252.7/20

All: 1697.659+/-0.285 χ^2/NDF: 565206.9/38



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -3060.650+/-3200.720 χ^2/NDF:0.1/1

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 934.502+/-3174.344 χ^2/NDF:0.2/1

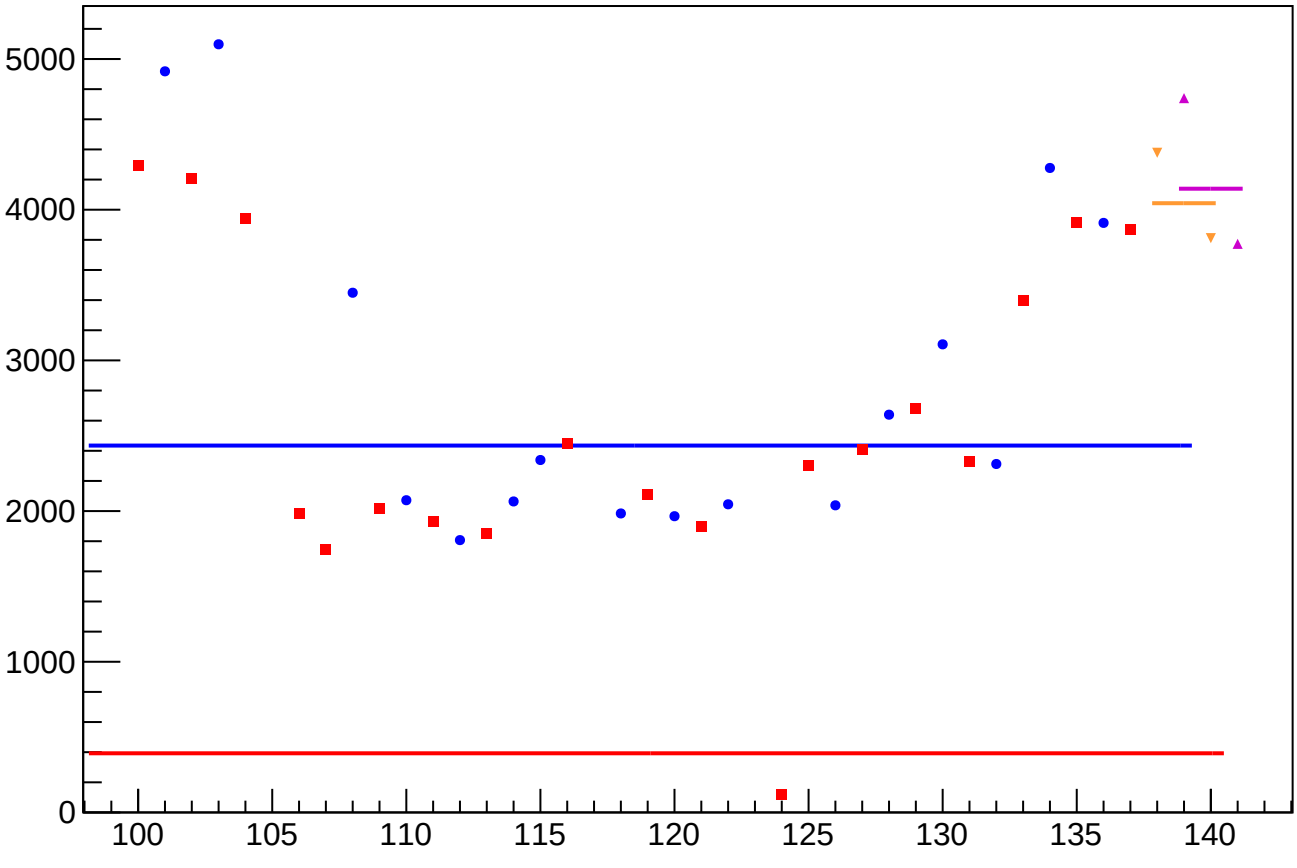
Left: -1046.545+/-2253.868 χ^2/NDF: 1.1/3

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 354.950+/-919.733 χ^2/NDF:15.6/17

Out: -120.854+/-314.232 χ^2/NDF:21.6/20

All: -71.119+/-297.356 χ^2/NDF: 37.4/38



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 4043.113+/-2.263 χ^2/NDF:15156.8/1

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4139.366+/-2.245 χ^2/NDF:43638.0/1

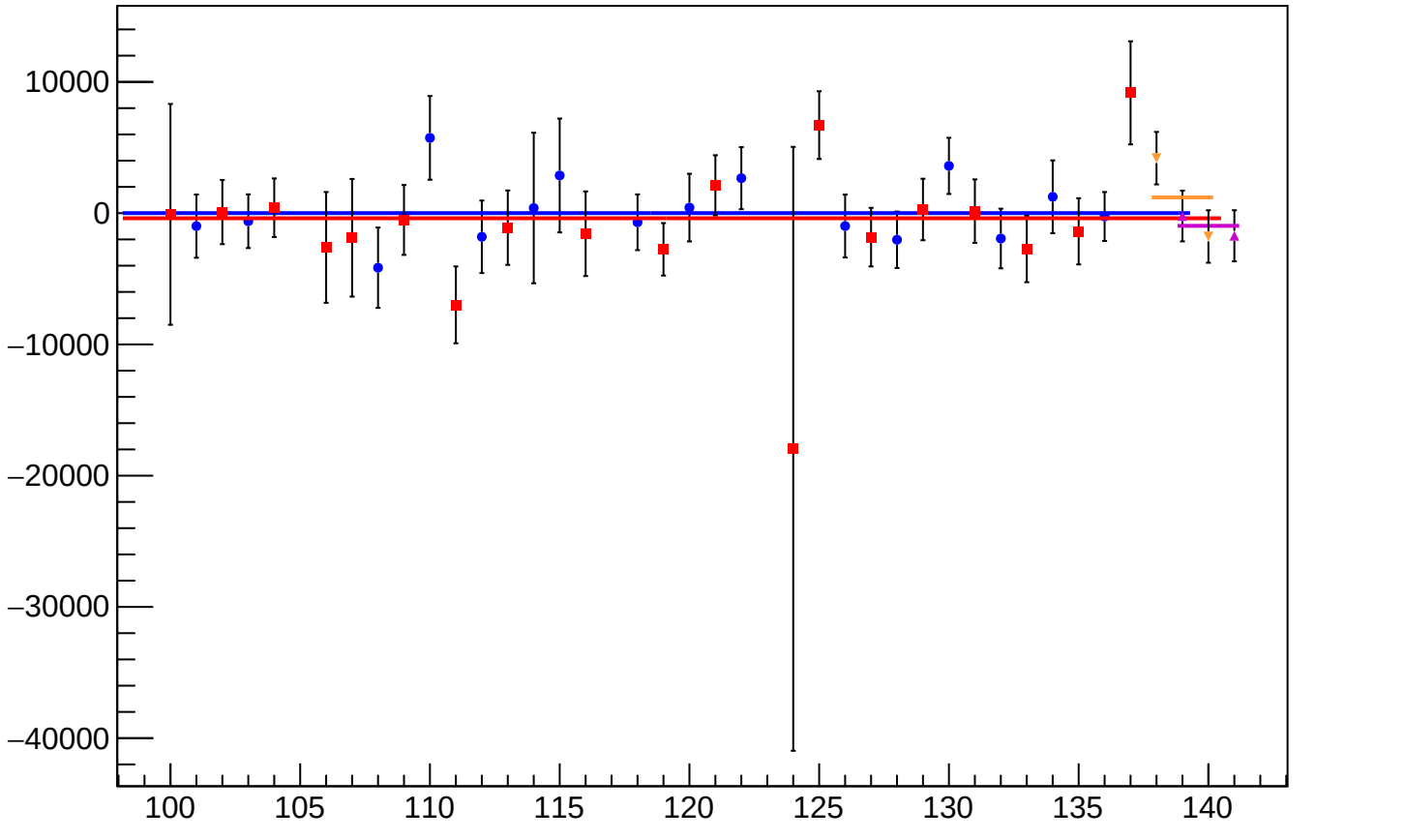
Left: 4091.638+/-1.594 χ^2/NDF: 59706.6/3

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2577.858+/-0.650 χ^2/NDF:2027977.8/17

Out: 427.850+/-0.222 χ^2/NDF:13999605.8/20

All: 652.584+/-0.210 χ^2/NDF: 25814352.1/38



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1203.178+/-1413.676 χ^2/NDF:4.5/1

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -965.124+/-1371.733 χ^2/NDF:0.3/1

Left: 86.384+/-984.456 χ^2/NDF: 6.0/3

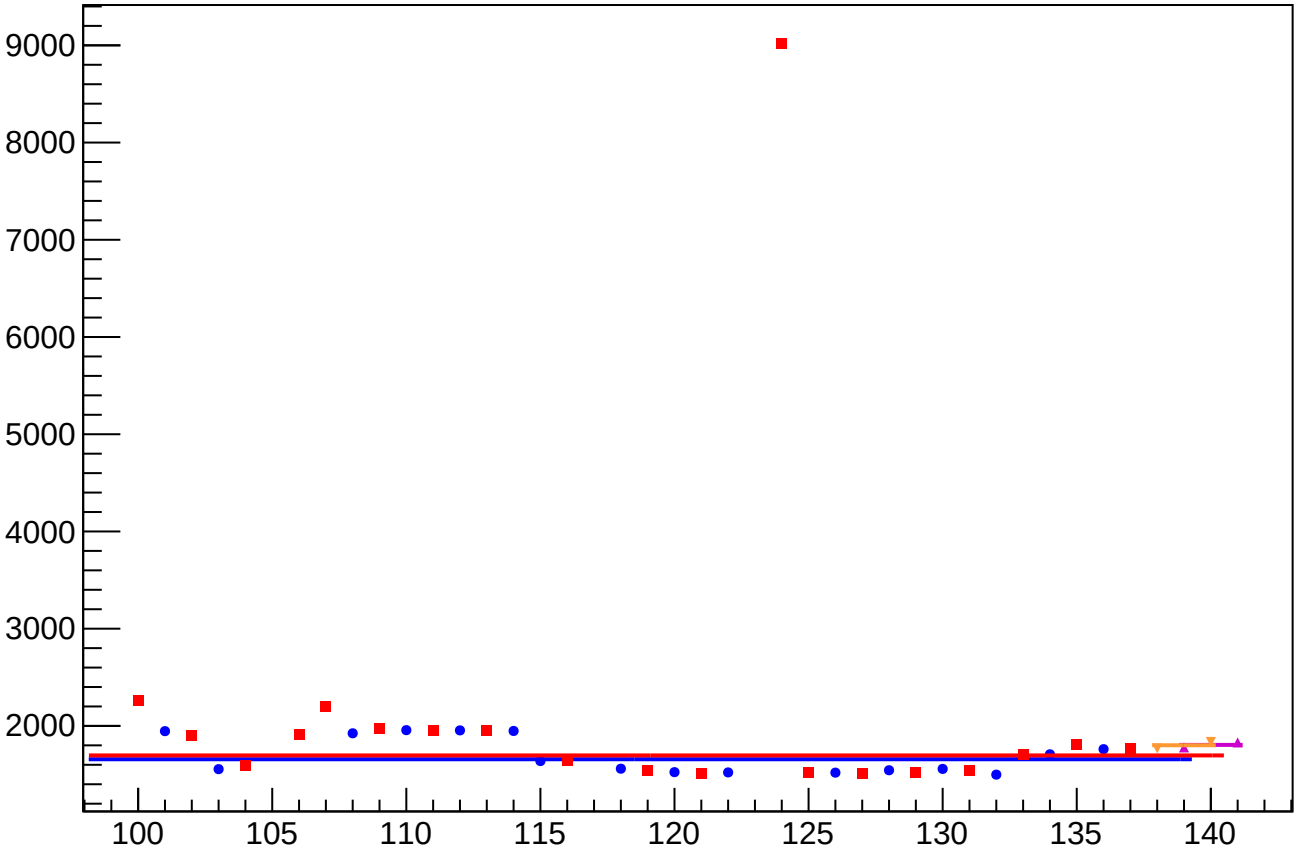
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -160.110+/-564.900 χ^2/NDF:13.2/17

Out: -122.652+/-578.251 χ^2/NDF:29.6/20

All: -141.818+/-404.082 χ^2/NDF: 42.7/38

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1801.034+/-1.000 χ^2/NDF:1149.7/1

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1804.585+/-0.970 χ^2/NDF:692.4/1

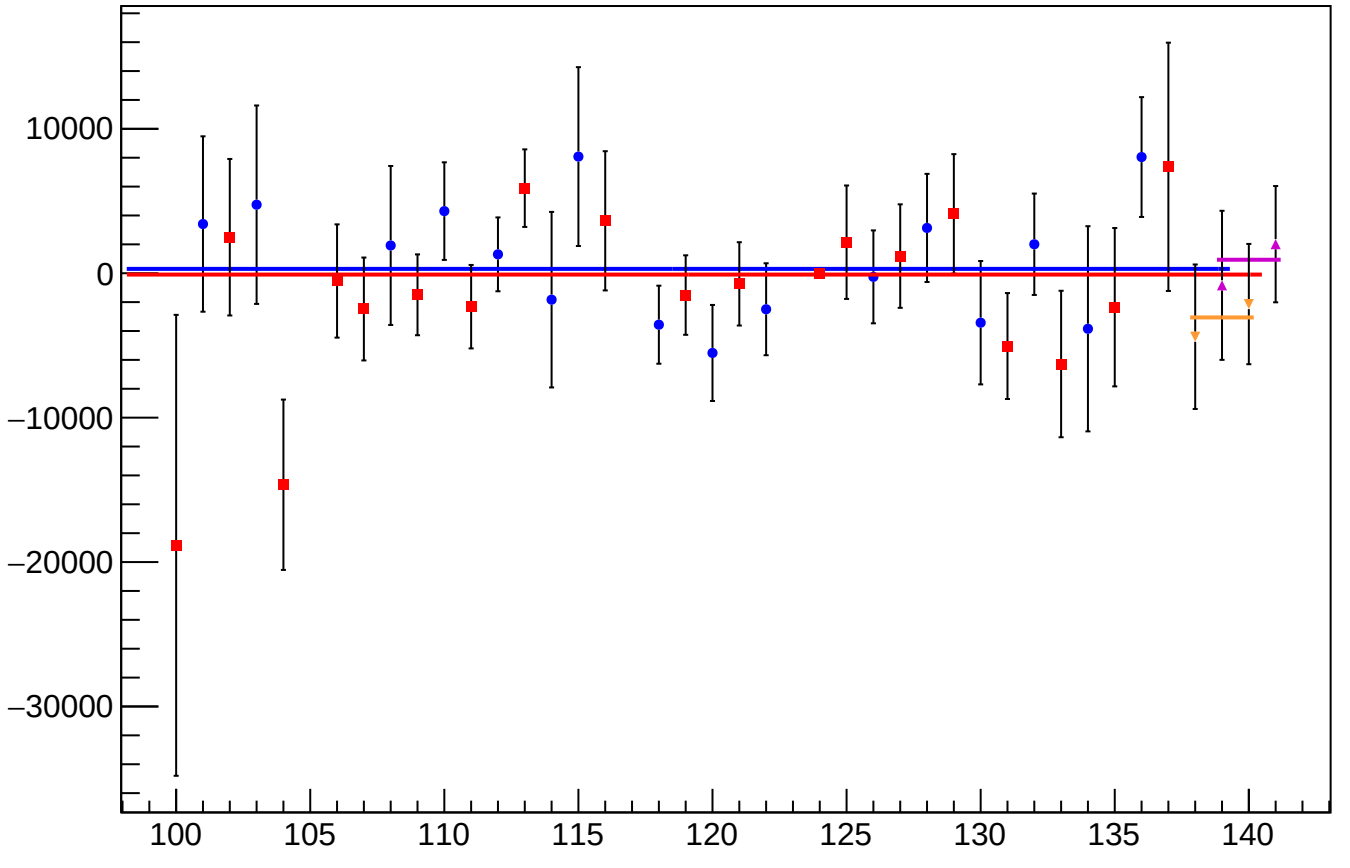
Left: 1802.863+/-0.696 χ^2/NDF: 1848.6/3

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1682.128+/-0.399 χ^2/NDF:163869.0/17

Out: 1713.822+/-0.407 χ^2/NDF:398252.7/20

All: 1697.659+/-0.285 χ^2/NDF: 565206.9/38



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -3060.650+/-3200.720 χ^2/NDF:0.1/1

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 934.502+/-3174.344 χ^2/NDF:0.2/1

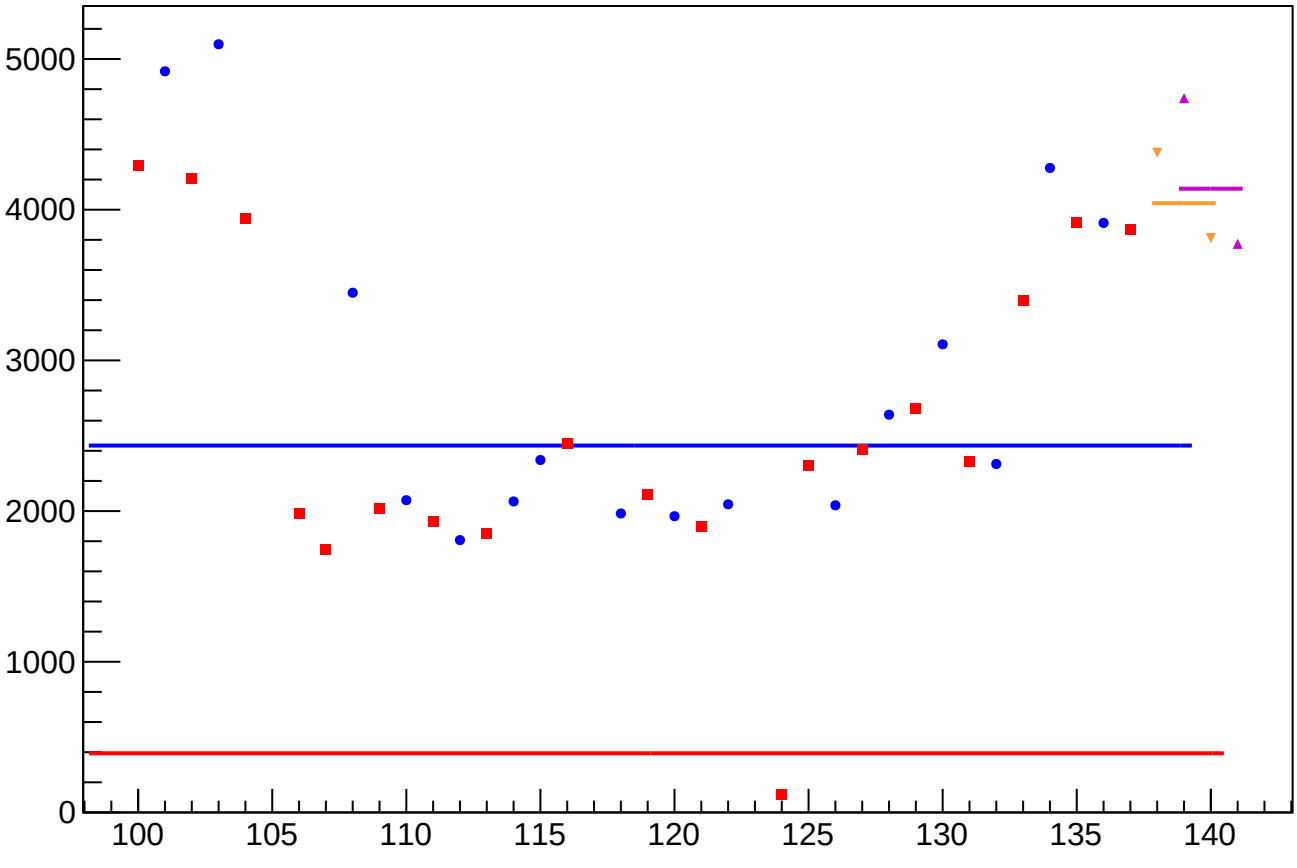
Left: -1046.545+/-2253.868 χ^2/NDF: 1.1/3

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 354.950+/-919.733 χ^2/NDF:15.6/17

Out: -120.854+/-314.232 χ^2/NDF:21.6/20

All: -71.119+/-297.356 χ^2/NDF: 37.4/38



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 4043.113+/-2.263 χ^2/NDF:15156.8/1

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4139.366+/-2.245 χ^2/NDF:43638.0/1

Left: 4091.638+/-1.594 χ^2/NDF: 59706.6/3

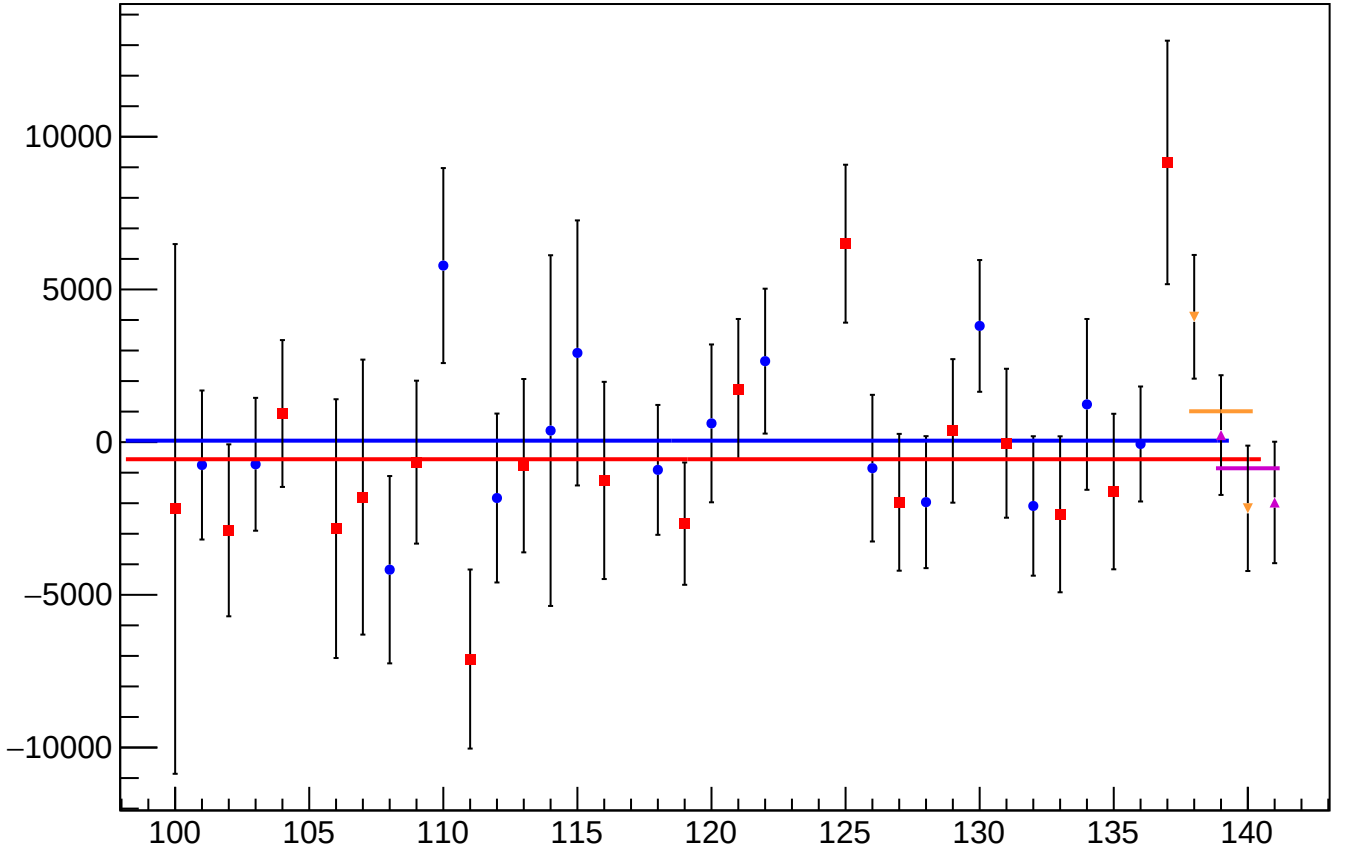
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2577.858+/-0.650 χ^2/NDF:2027977.8/17

Out: 427.850+/-0.222 χ^2/NDF:13999605.8/20

All: 652.584+/-0.210 χ^2/NDF: 25814352.1/38

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1010.751+/-1441.820 χ^2/NDF:4.7/1

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -855.865+/-1395.913 χ^2/NDF:0.6/1

Left: 47.254+/-1002.896 χ^2/NDF: 6.2/3

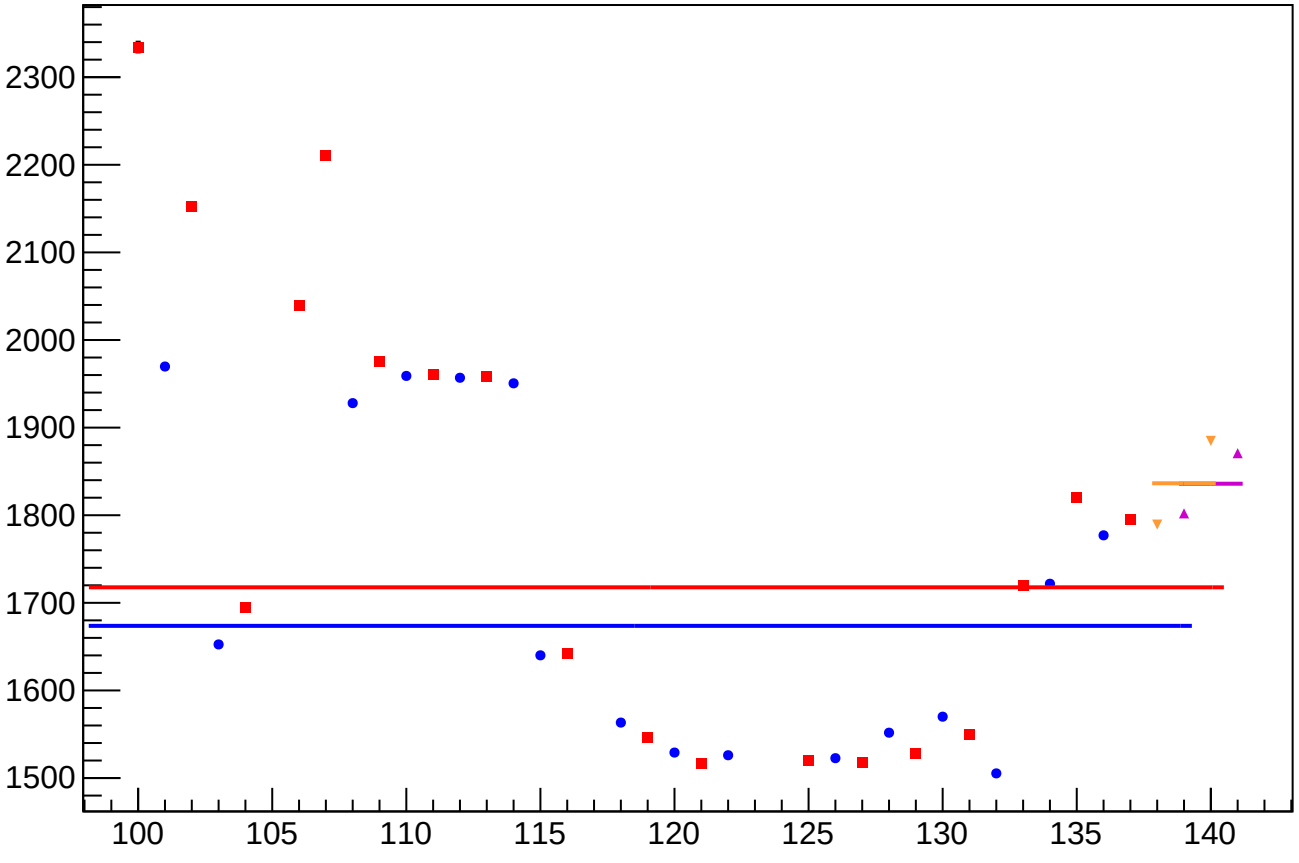
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -103.125+/-571.308 χ^2/NDF:13.8/17

Out: -297.542+/-588.993 χ^2/NDF:29.0/19

All: -197.371+/-410.085 χ^2/NDF: 42.8/37

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1836.455+/-1.020 χ^2/NDF:2196.3/1

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1835.965+/-0.987 χ^2/NDF:1210.5/1

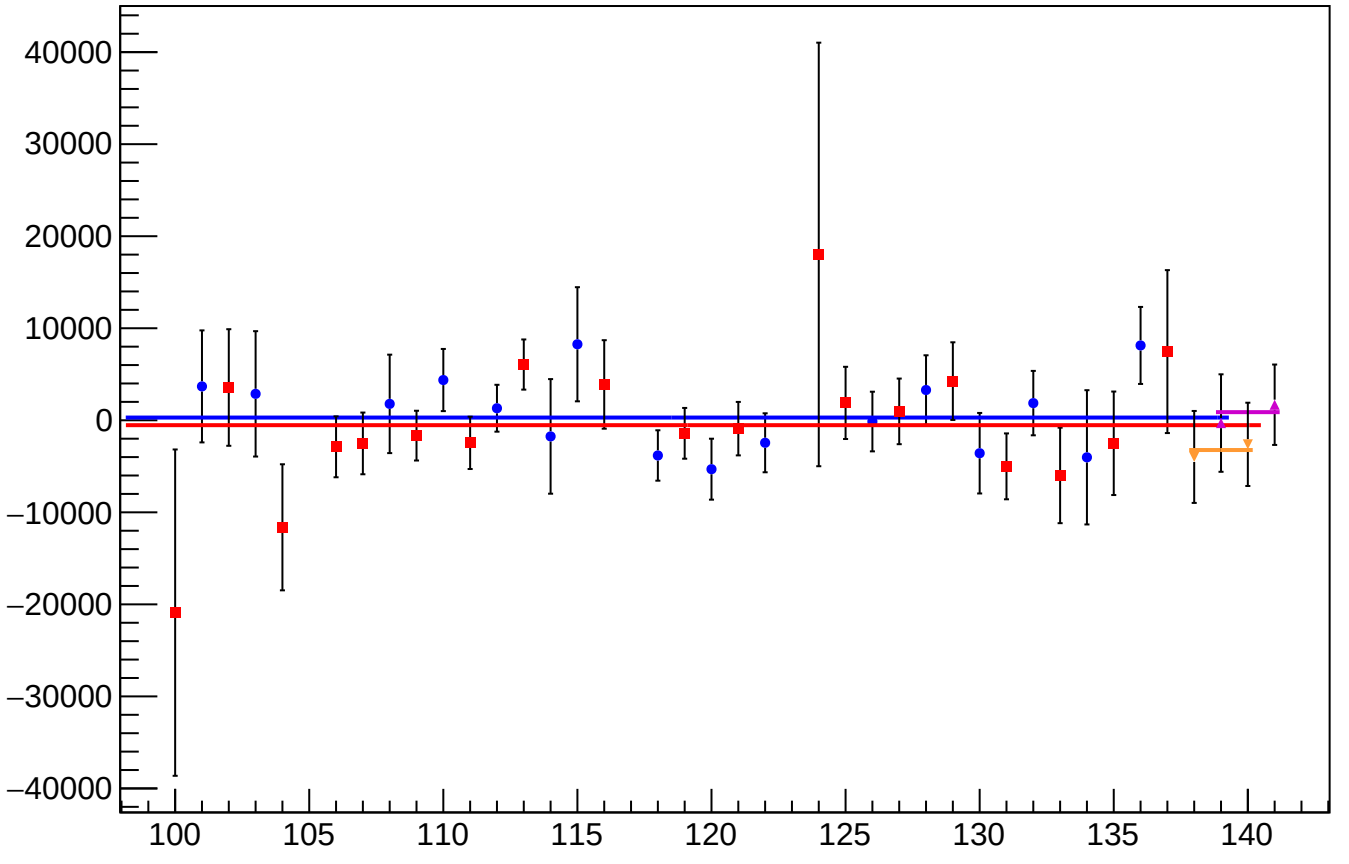
Left: 1836.203+/-0.709 χ^2/NDF: 3406.9/3

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1700.904+/-0.404 χ^2/NDF:164573.9/17

Out: 1737.452+/-0.416 χ^2/NDF:241148.2/19

All: 1718.656+/-0.290 χ^2/NDF: 409698.0/37



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -3231.269+/-3353.426 χ^2/NDF:0.0/1

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: 884.142+/-3369.546 χ^2/NDF:0.1/1

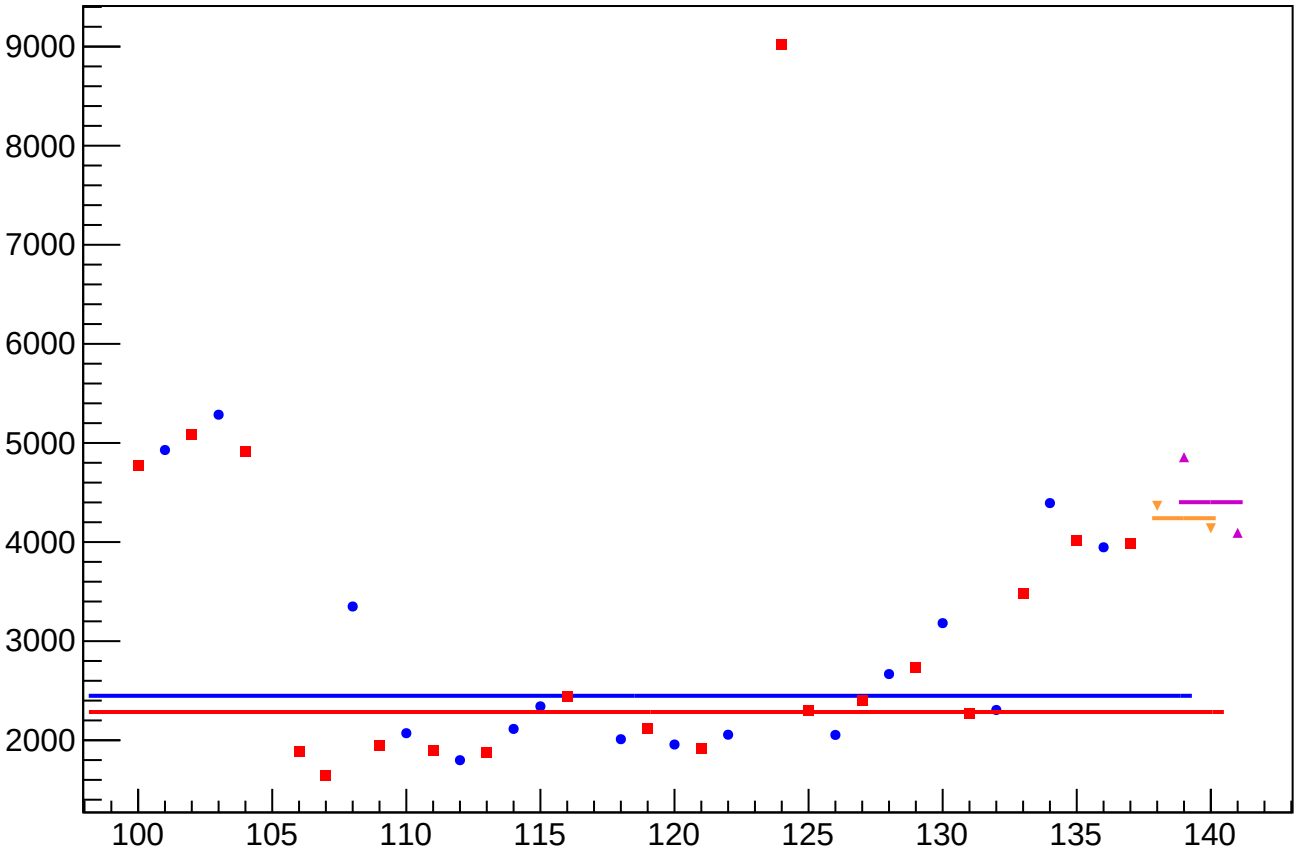
Left: -1183.431+/-2376.909 χ^2/NDF: 0.9/3

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 341.032+/-927.418 χ^2/NDF:15.4/17

Out: -706.446+/-854.770 χ^2/NDF:19.4/20

All: -225.335+/-628.530 χ^2/NDF: 35.5/38



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4240.934+/-2.371 χ^2/NDF:2253.8/1

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4402.373+/-2.383 χ^2/NDF:24715.5/1

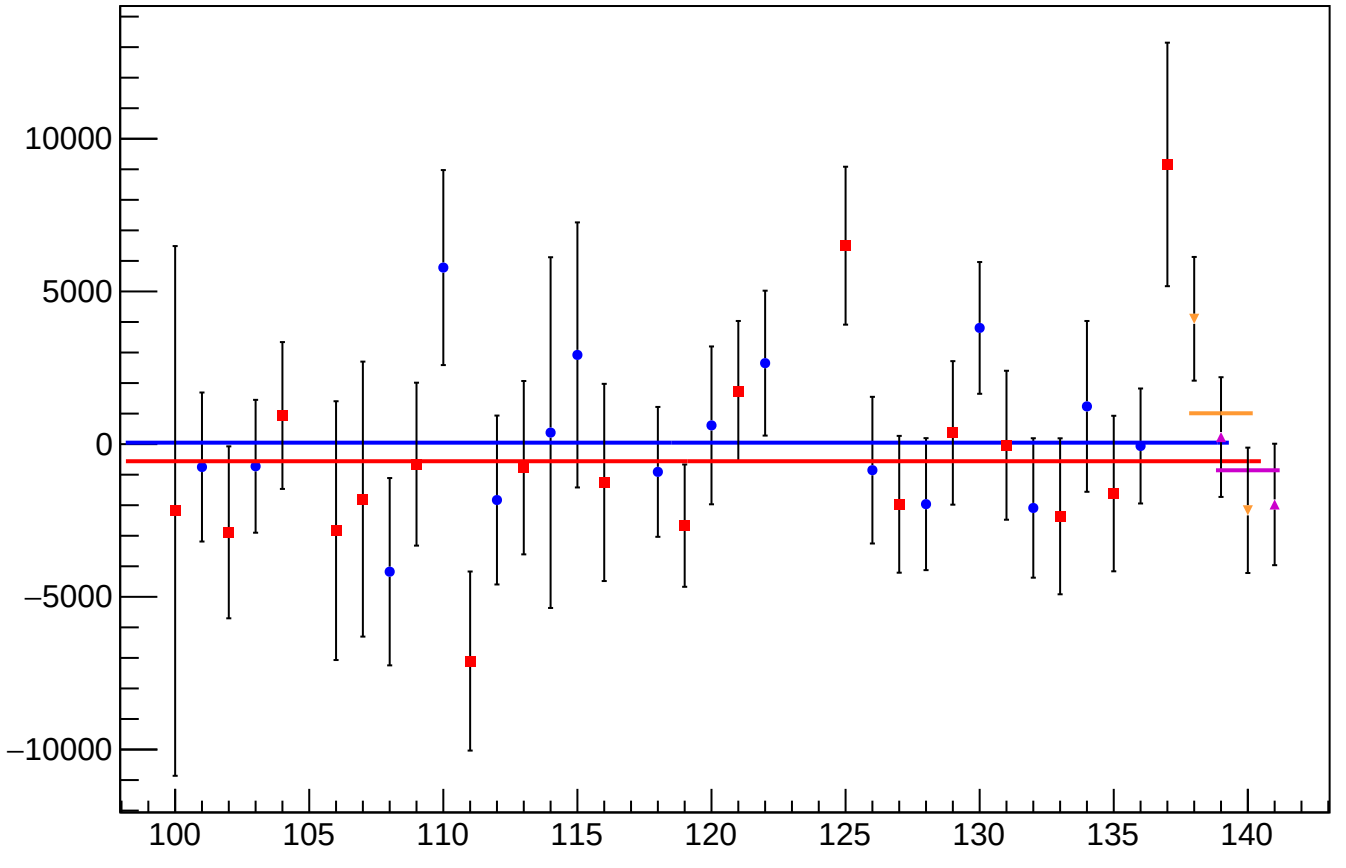
Left: 4321.266+/-1.681 χ^2/NDF: 29275.7/3

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2596.605+/-0.656 χ^2/NDF:2163776.1/17

Out: 2412.149+/-0.604 χ^2/NDF:2187213.0/20

All: 2496.871+/-0.444 χ^2/NDF: 4393766.8/38



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1010.742+/-1441.821 χ^2/NDF:4.7/1

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -855.865+/-1395.914 χ^2/NDF:0.6/1

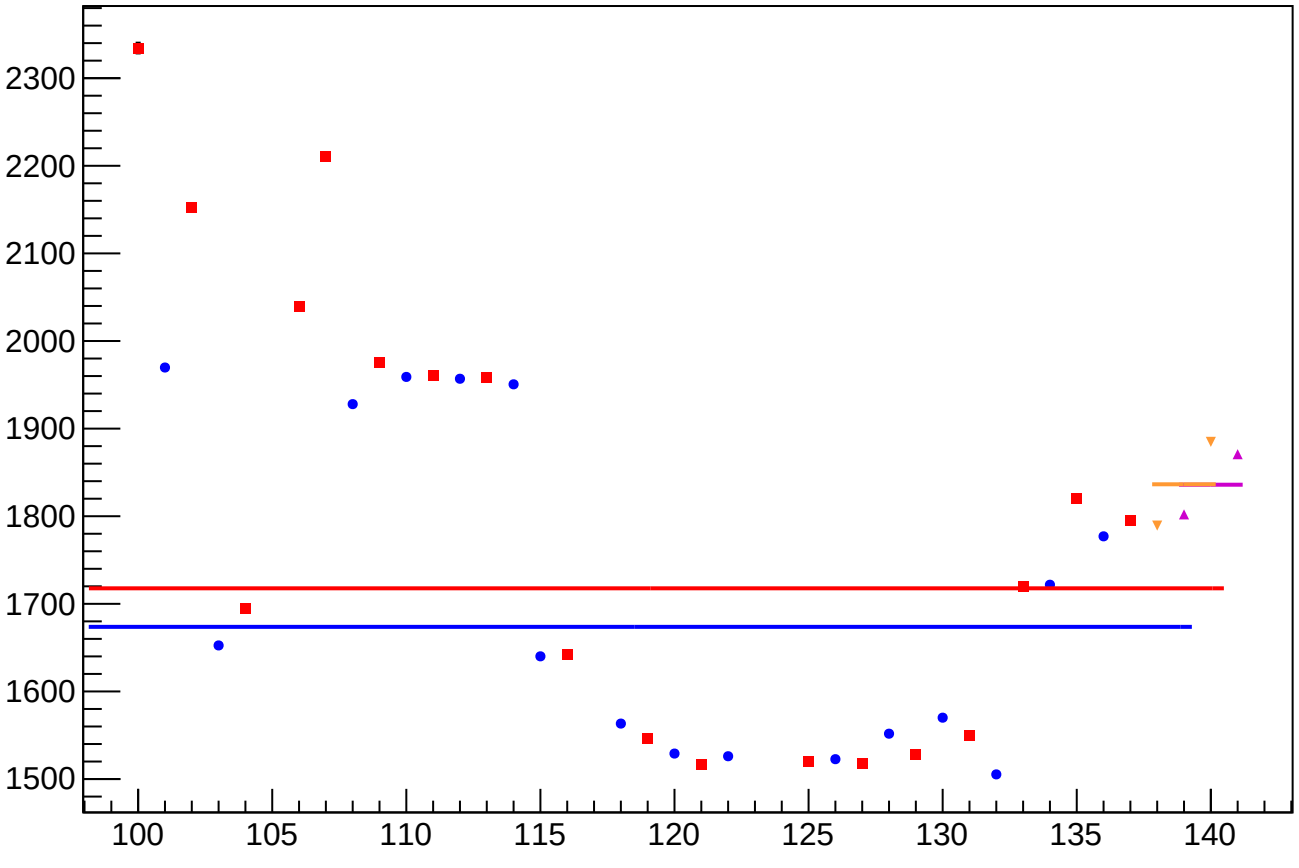
Left: 47.250+/-1002.897 χ^2/NDF: 6.2/3

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -103.126+/-571.308 χ^2/NDF:13.8/17

Out: -297.546+/-588.993 χ^2/NDF:29.0/19

All: -197.373+/-410.085 χ^2/NDF: 42.8/37



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1836.456+/-1.020 χ^2/NDF:2196.3/1

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1835.967+/-0.987 χ^2/NDF:1210.5/1

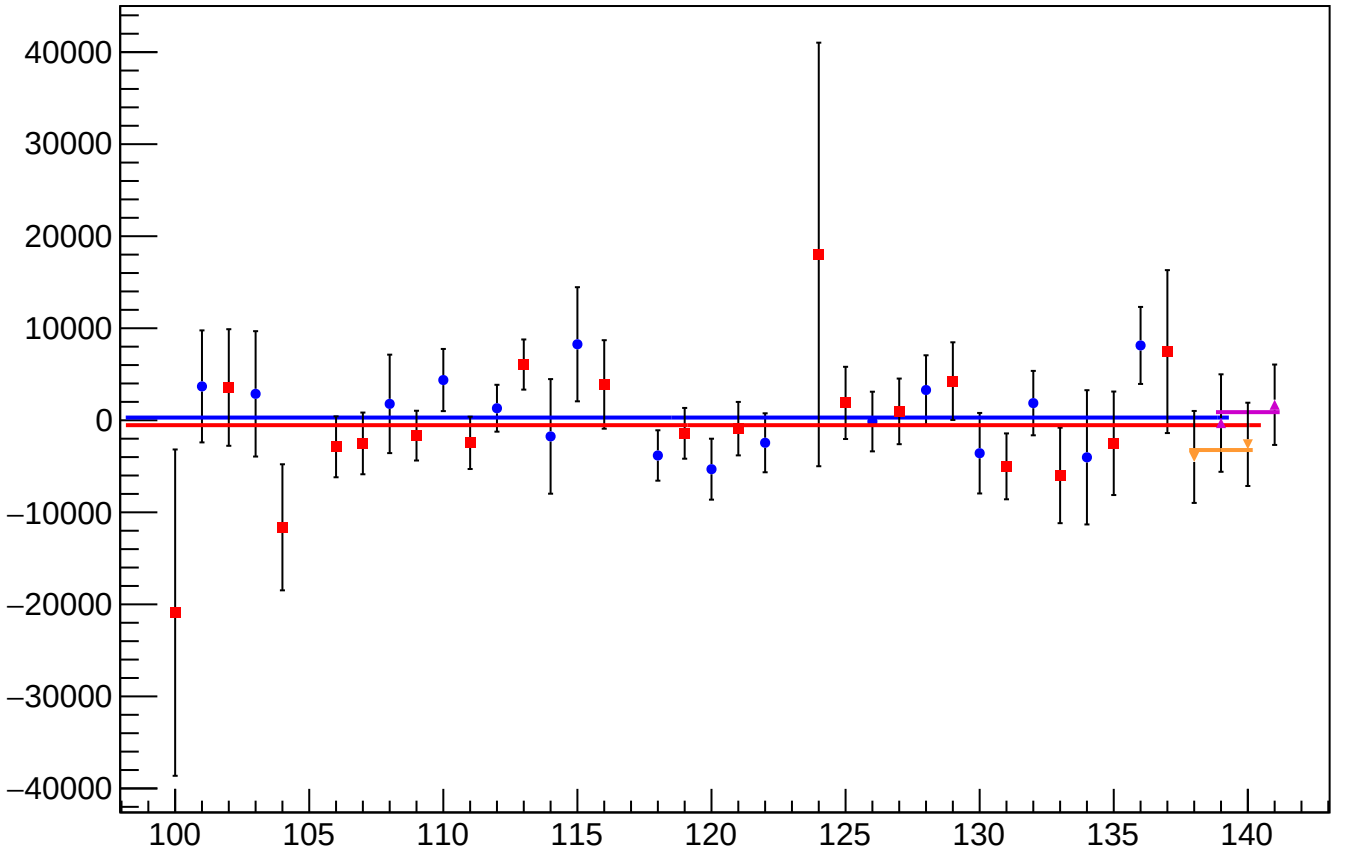
Left: 1836.203+/-0.709 χ^2/NDF: 3406.9/3

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1700.904+/-0.404 χ^2/NDF:164574.3/17

Out: 1737.452+/-0.416 χ^2/NDF:241147.7/19

All: 1718.656+/-0.290 χ^2/NDF: 409697.8/37



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -3231.274+/-3353.434 χ^2/NDF:0.0/1

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: 884.144+/-3369.555 χ^2/NDF:0.1/1

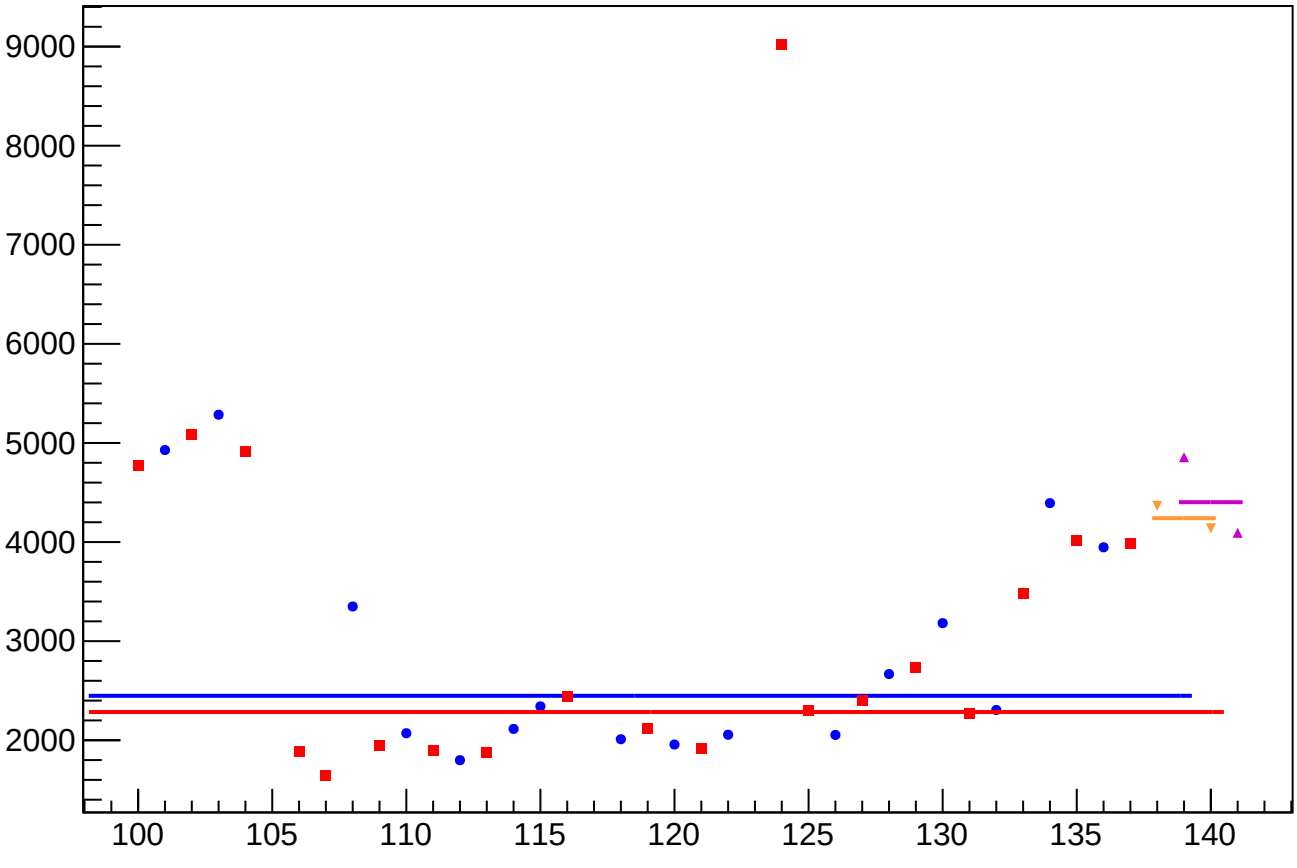
Left: -1183.433+/-2376.915 χ^2/NDF: 0.9/3

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 341.026+/-927.415 χ^2/NDF:15.4/17

Out: -706.447+/-854.768 χ^2/NDF:19.4/20

All: -225.338+/-628.528 χ^2/NDF: 35.5/38



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4240.945+/-2.371 χ^2/NDF:2254.0/1

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4402.384+/-2.383 χ^2/NDF:24716.2/1

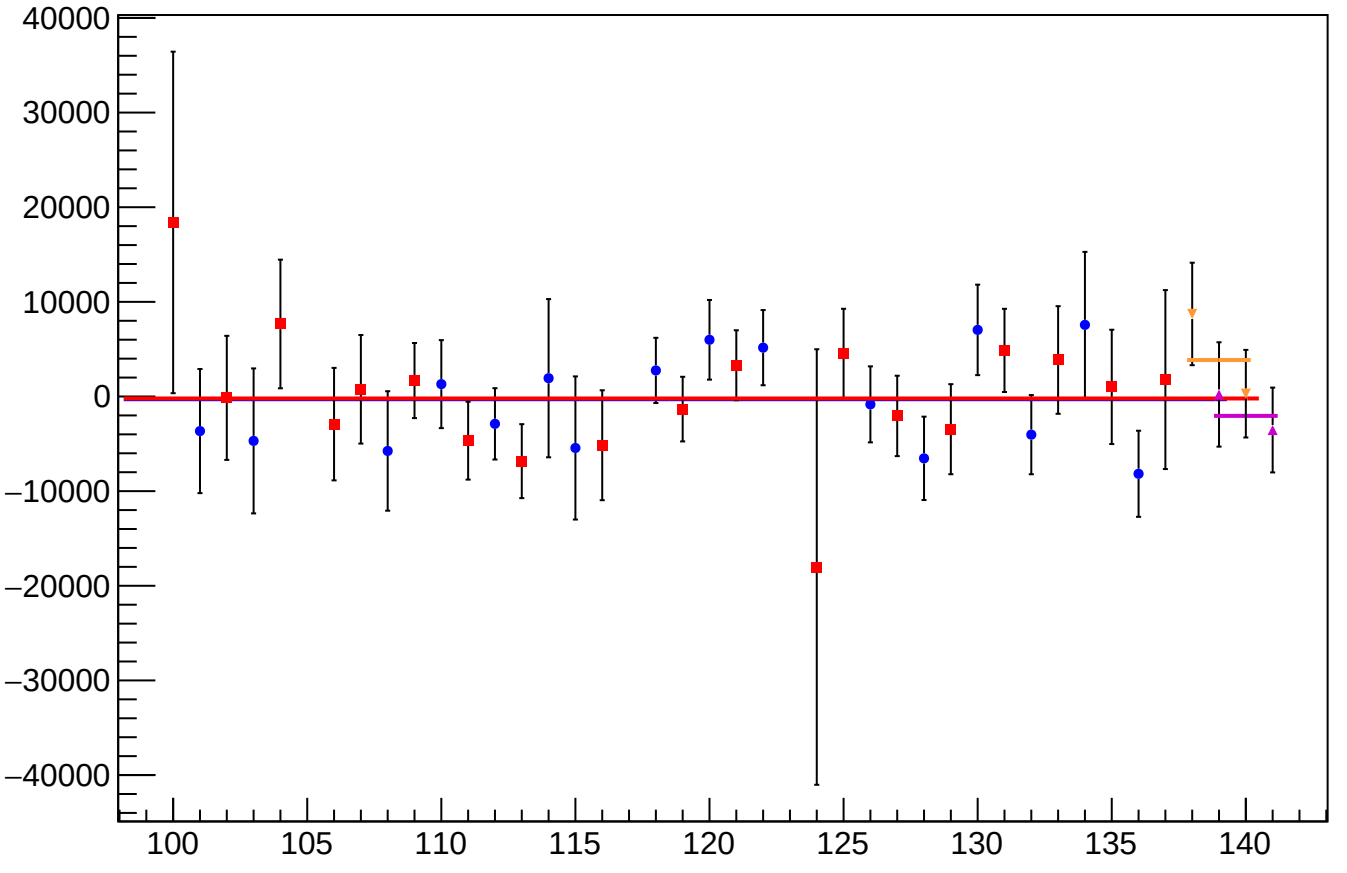
Left: 4321.277+/-1.681 χ^2/NDF: 29276.6/3

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2596.594+/-0.656 χ^2/NDF:2163800.6/17

Out: 2412.141+/-0.604 χ^2/NDF:2187231.3/20

All: 2496.861+/-0.444 χ^2/NDF: 4393808.9/38



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 3854.091+/-3517.886 χ^2/NDF:1.4/1

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: -2047.309+/-3477.893 χ^2/NDF:0.3/1

Left: 869.655+/-2473.260 χ^2/NDF: 3.1/3

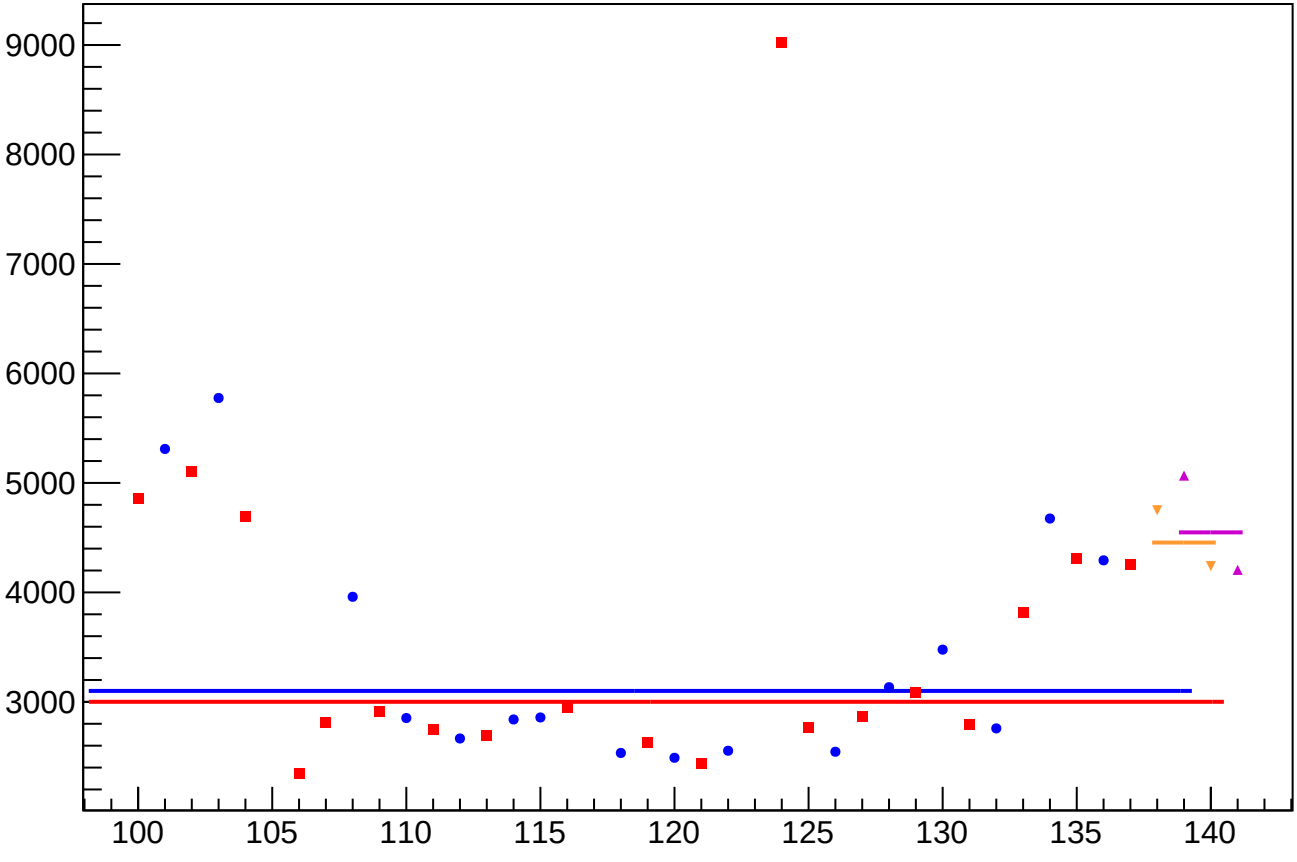
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -473.775+/-1132.126 χ^2/NDF:17.1/17

Out: 185.160+/-1096.289 χ^2/NDF:15.5/20

All: -133.713+/-787.558 χ^2/NDF: 32.7/38

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4455.412+/-2.488 χ^2/NDF:10274.3/1

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4548.294+/-2.459 χ^2/NDF:29362.4/1

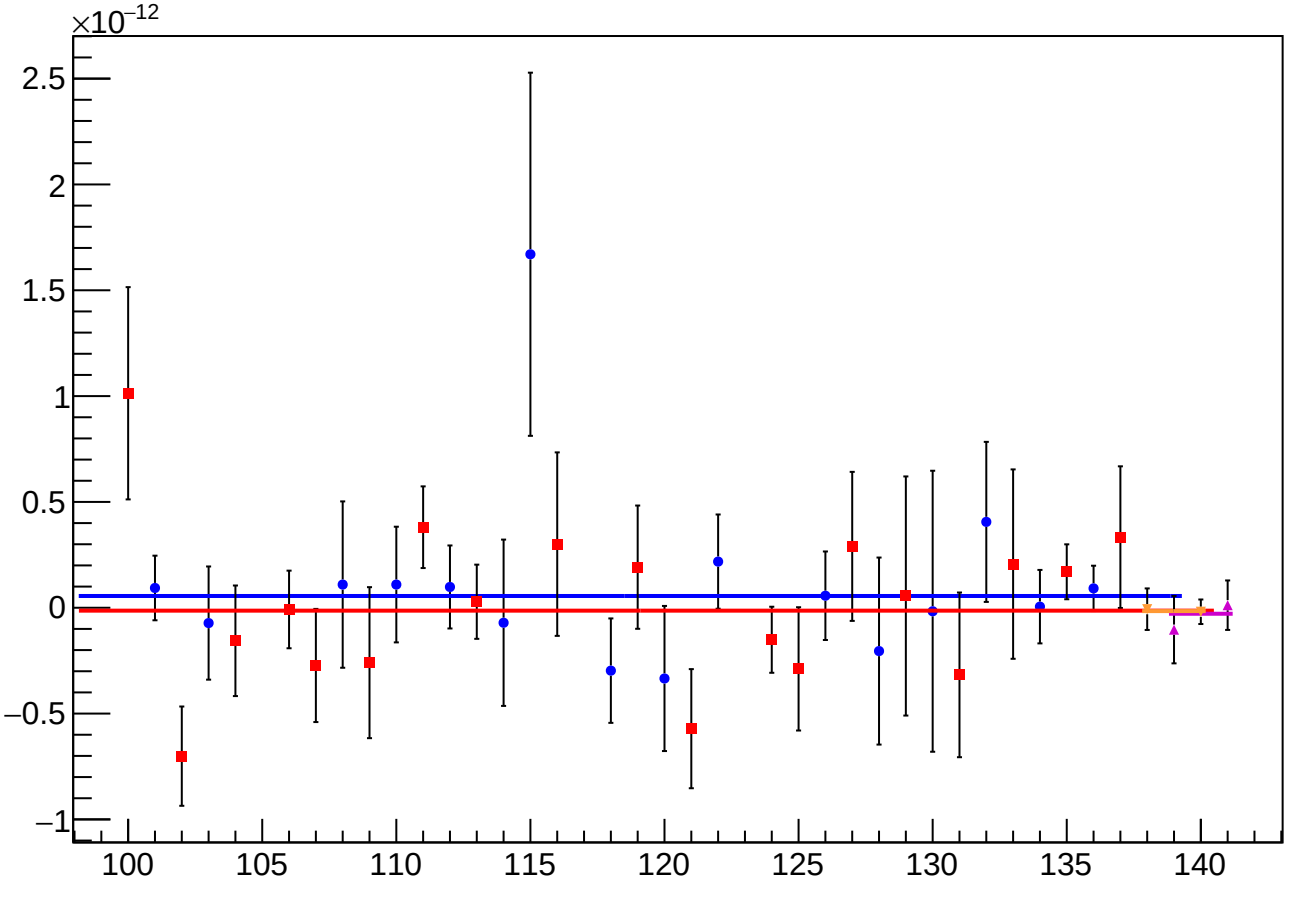
Left: 4502.384+/-1.749 χ^2/NDF: 40341.8/3

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3253.587+/-0.801 χ^2/NDF:1303048.8/17

Out: 3138.590+/-0.766 χ^2/NDF:1126443.1/20

All: 3193.534+/-0.553 χ^2/NDF: 2440268.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

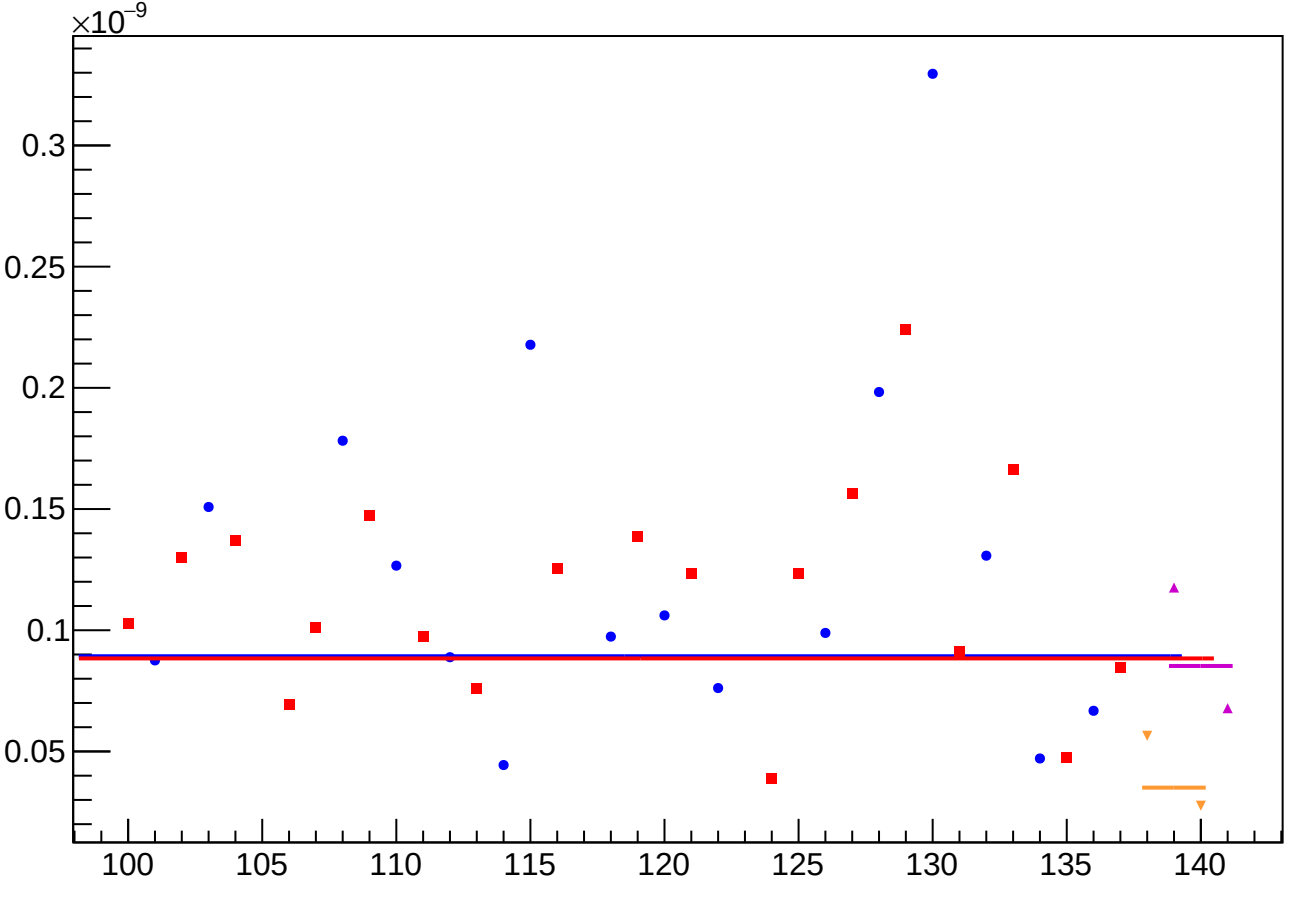
Left: -0.000+/-0.000 χ^2/NDF: 0.4/3

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:10.2/17

Out: -0.000+/-0.000 χ^2/NDF:30.1/20

All: 0.000+/-0.000 χ^2/NDF: 40.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:128067.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:127040.7/1

Left: 0.000+/-0.000 χ^2/NDF: 698358.2/3

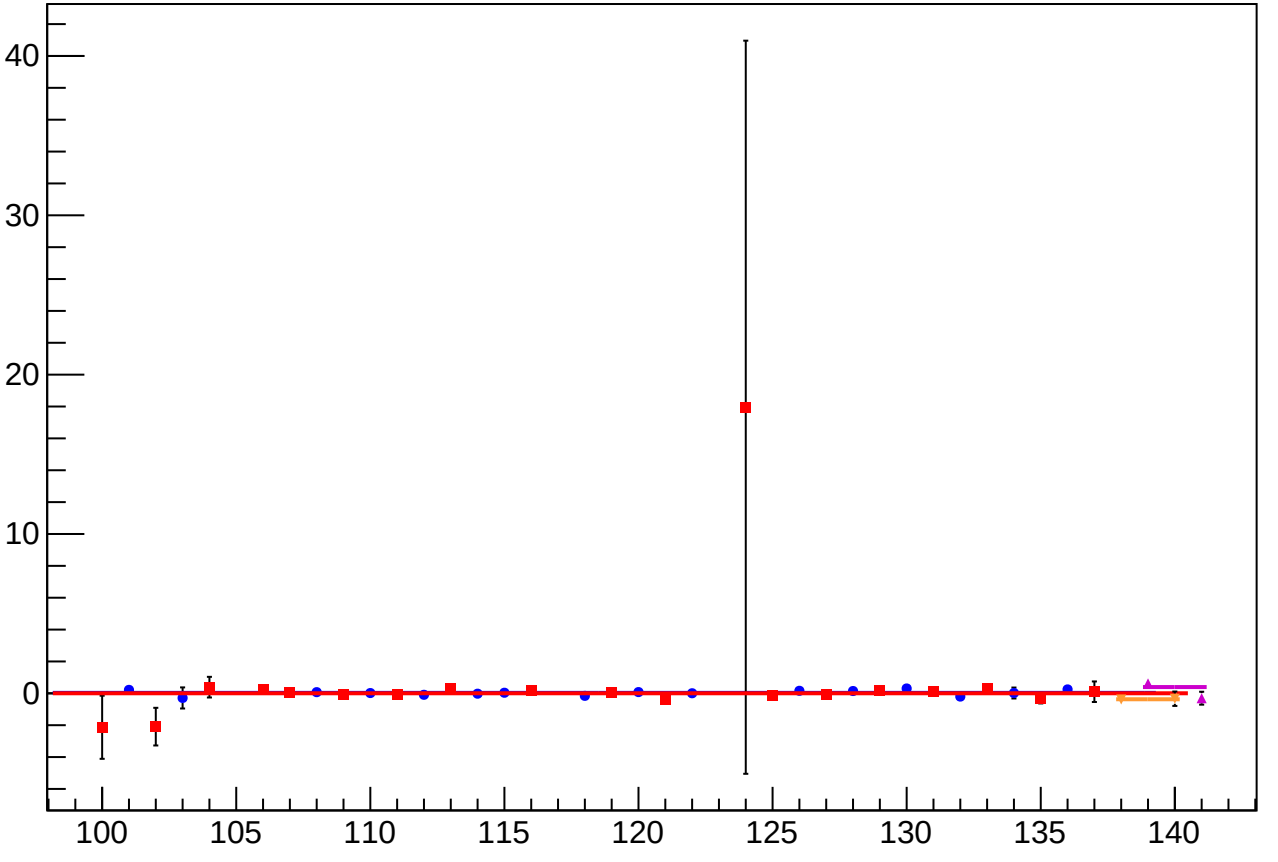
Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1079313.0/17

Out: 0.000+/-0.000 χ^2/NDF:2156937.6/20

All: 0.000+/-0.000 χ^2/NDF: 3701236.6/38

asym_atl_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.373+/-0.246 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.393+/-0.201 χ^2/NDF:4.0/1

Left: 0.086+/-0.156 χ^2/NDF: 9.8/3

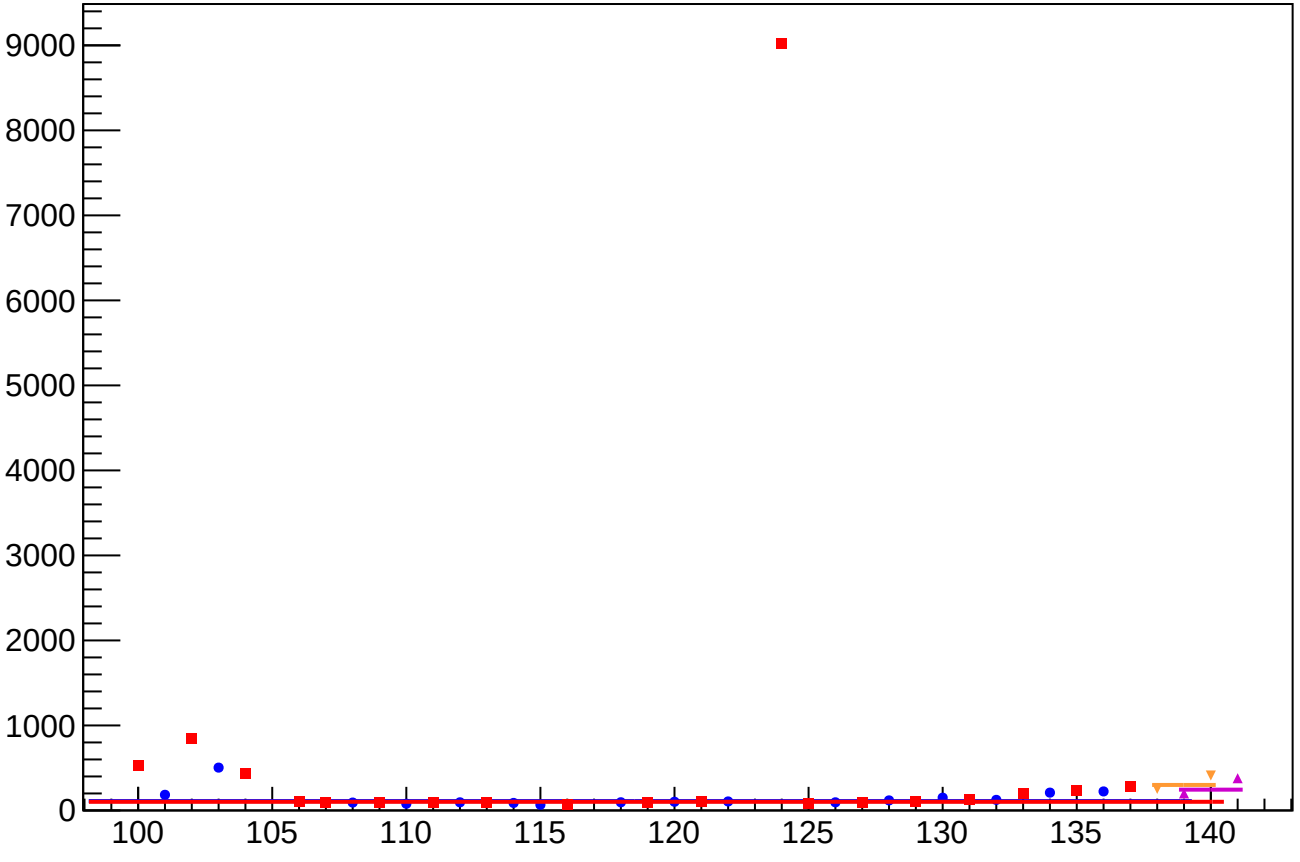
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.044 χ^2/NDF:16.0/17

Out: -0.008+/-0.043 χ^2/NDF:24.7/20

All: 0.018+/-0.031 χ^2/NDF: 41.4/38

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 300.103+/-0.174 χ^2/NDF:171073.2/1

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 244.644+/-0.142 χ^2/NDF:293529.3/1

Left: 266.897+/-0.110 χ^2/NDF: 525577.5/3

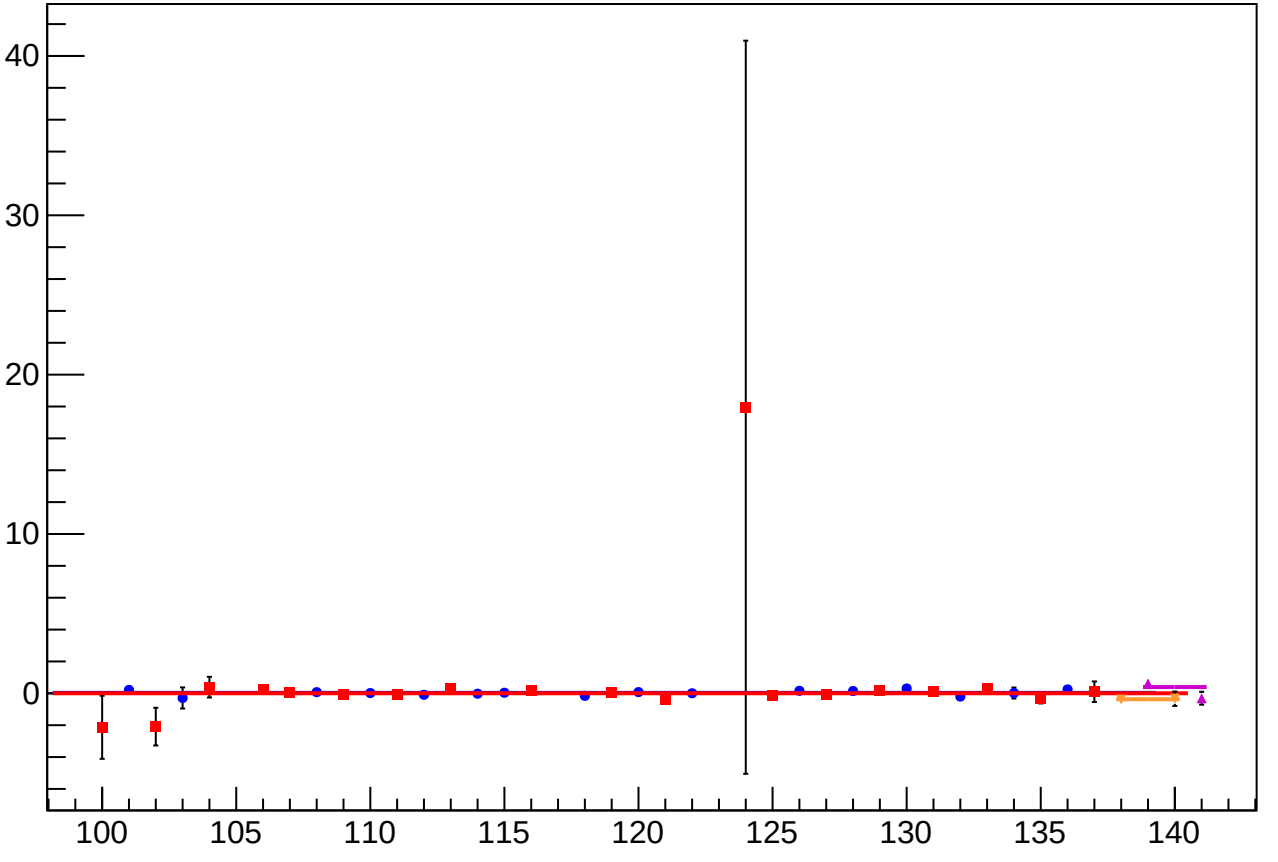
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 116.485+/-0.031 χ^2/NDF:3076728.7/17

Out: 107.839+/-0.030 χ^2/NDF:4022903.1/20

All: 112.015+/-0.022 χ^2/NDF: 7139208.7/38

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.373+/-0.246 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.393+/-0.201 χ^2/NDF:4.0/1

Left: 0.086+/-0.156 χ^2/NDF: 9.8/3

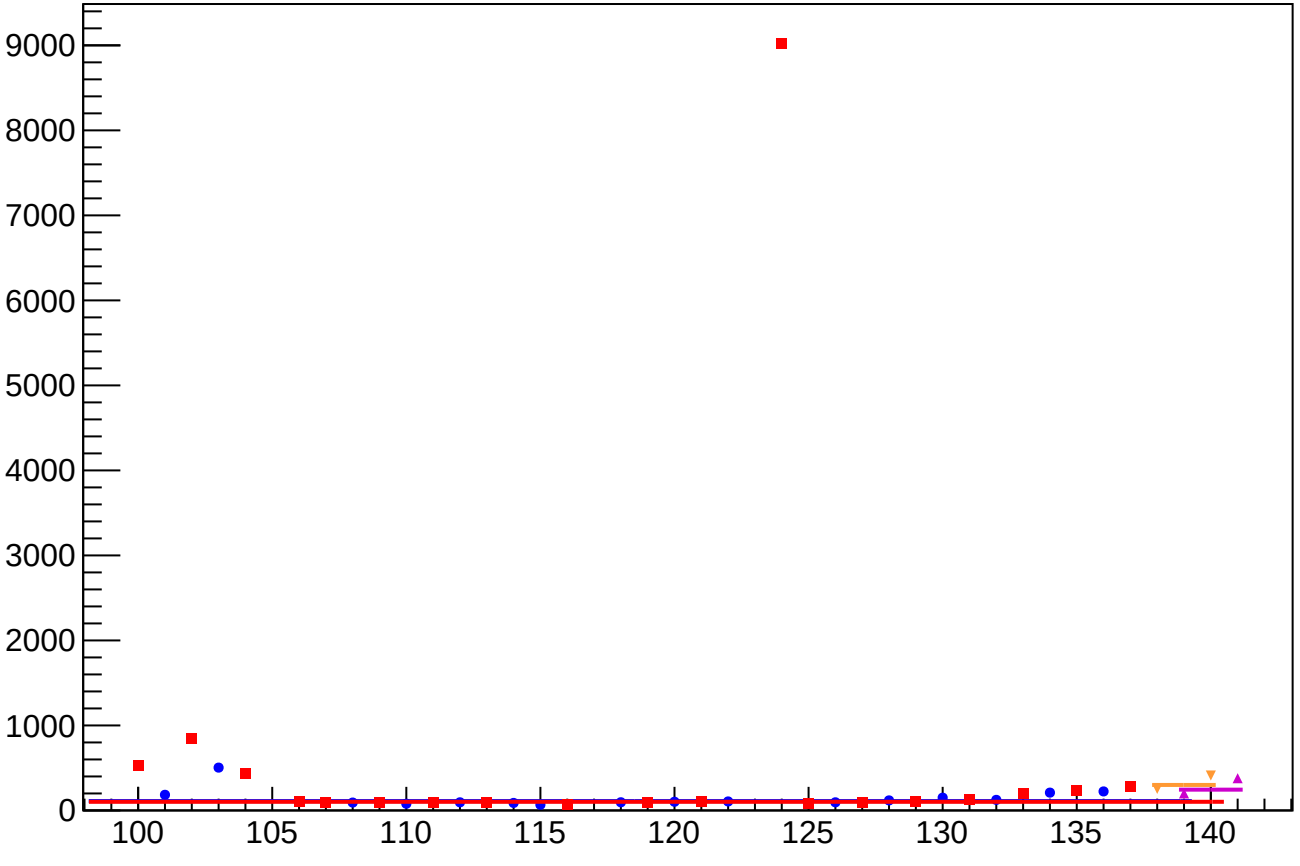
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.044 χ^2/NDF:16.0/17

Out: -0.008+/-0.043 χ^2/NDF:24.7/20

All: 0.018+/-0.031 χ^2/NDF: 41.4/38

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 300.103+/-0.174 χ^2/NDF:171073.2/1

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 244.644+/-0.142 χ^2/NDF:293529.3/1

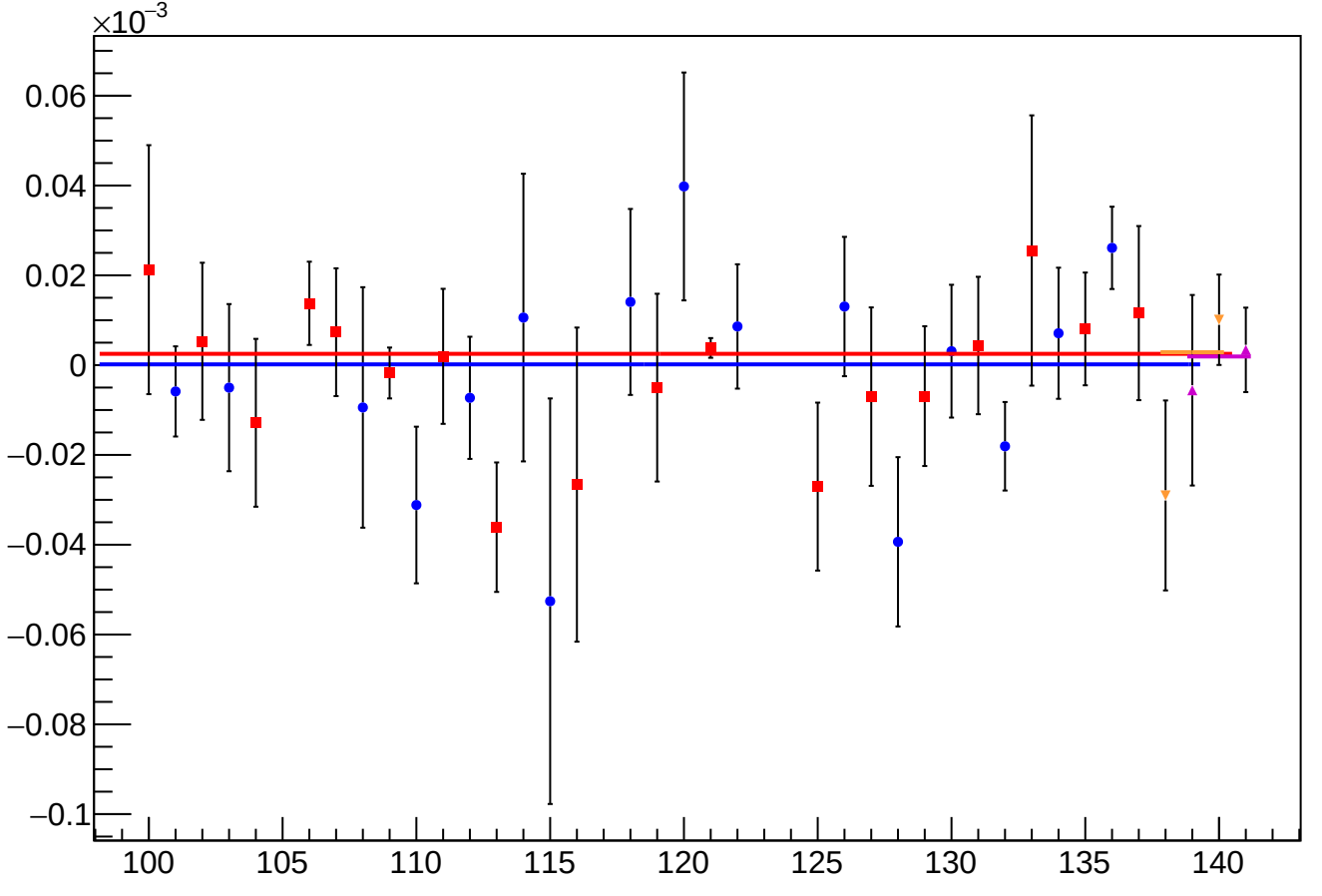
Left: 266.897+/-0.110 χ^2/NDF: 525577.5/3

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 116.485+/-0.031 χ^2/NDF:3076728.7/17

Out: 107.839+/-0.030 χ^2/NDF:4022903.1/20

All: 112.015+/-0.022 χ^2/NDF: 7139208.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

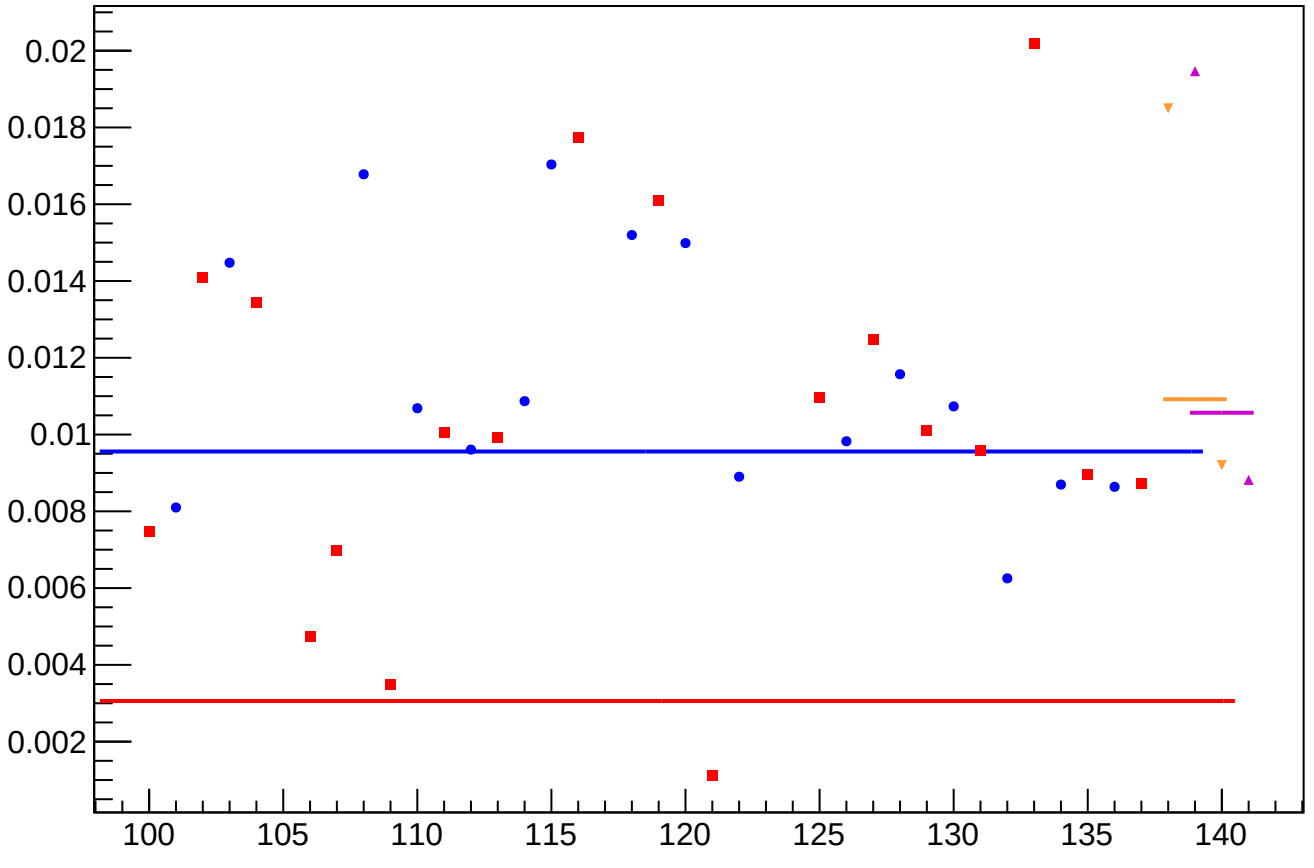
Left: 0.000+/-0.000 χ^2/NDF: 2.9/3

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: 0.000+/-0.000 χ^2/NDF:25.8/17

Out: 0.000+/-0.000 χ^2/NDF:18.6/19

All: 0.000+/-0.000 χ^2/NDF: 44.6/37



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:314950.2/1

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.011+/-0.000 χ^2/NDF:420850.9/1

Left: 0.011+/-0.000 χ^2/NDF: 737381.6/3

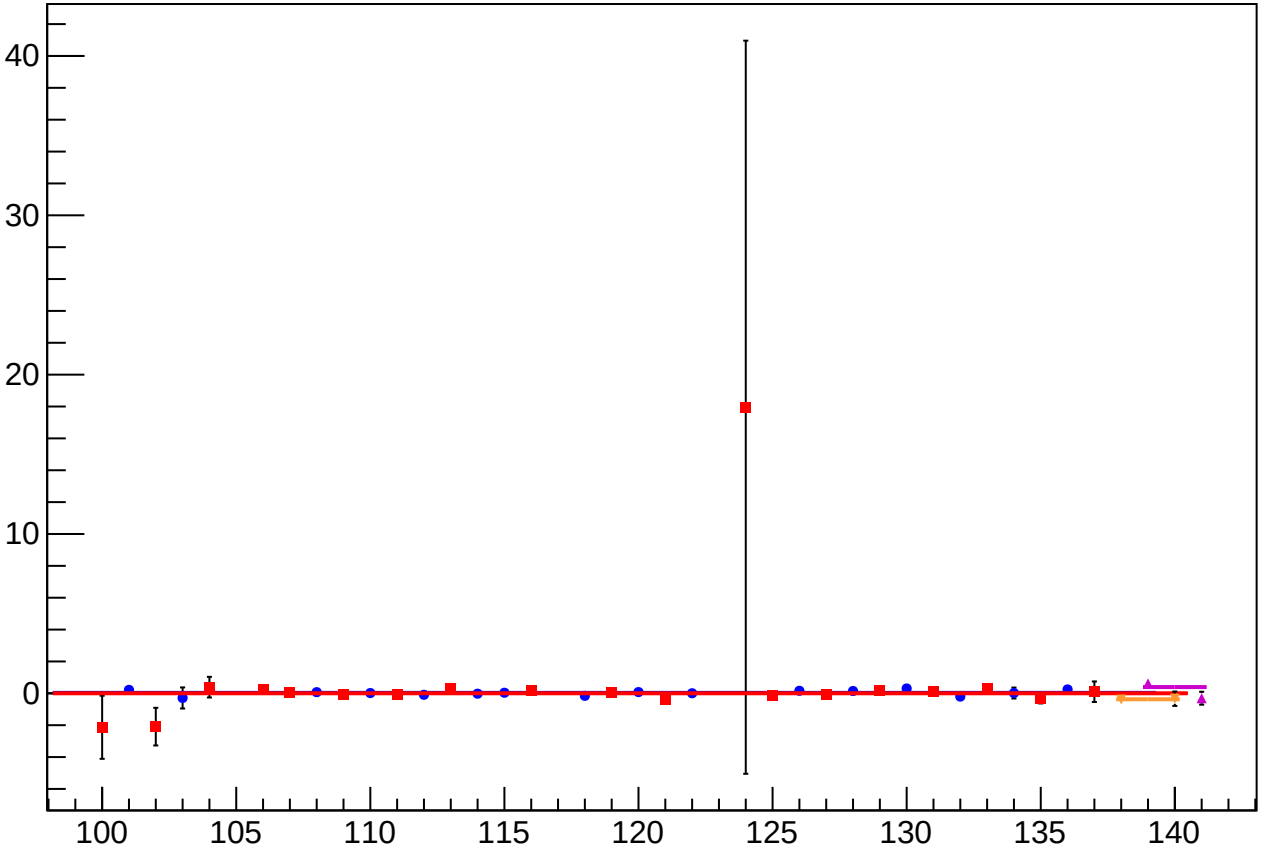
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.010+/-0.000 χ^2/NDF:1370090.5/17

Out: 0.003+/-0.000 χ^2/NDF:9875699.5/19

All: 0.005+/-0.000 χ^2/NDF: 16656565.3/37

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.373+/-0.246 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.393+/-0.201 χ^2/NDF:4.0/1

Left: 0.086+/-0.156 χ^2/NDF: 9.8/3

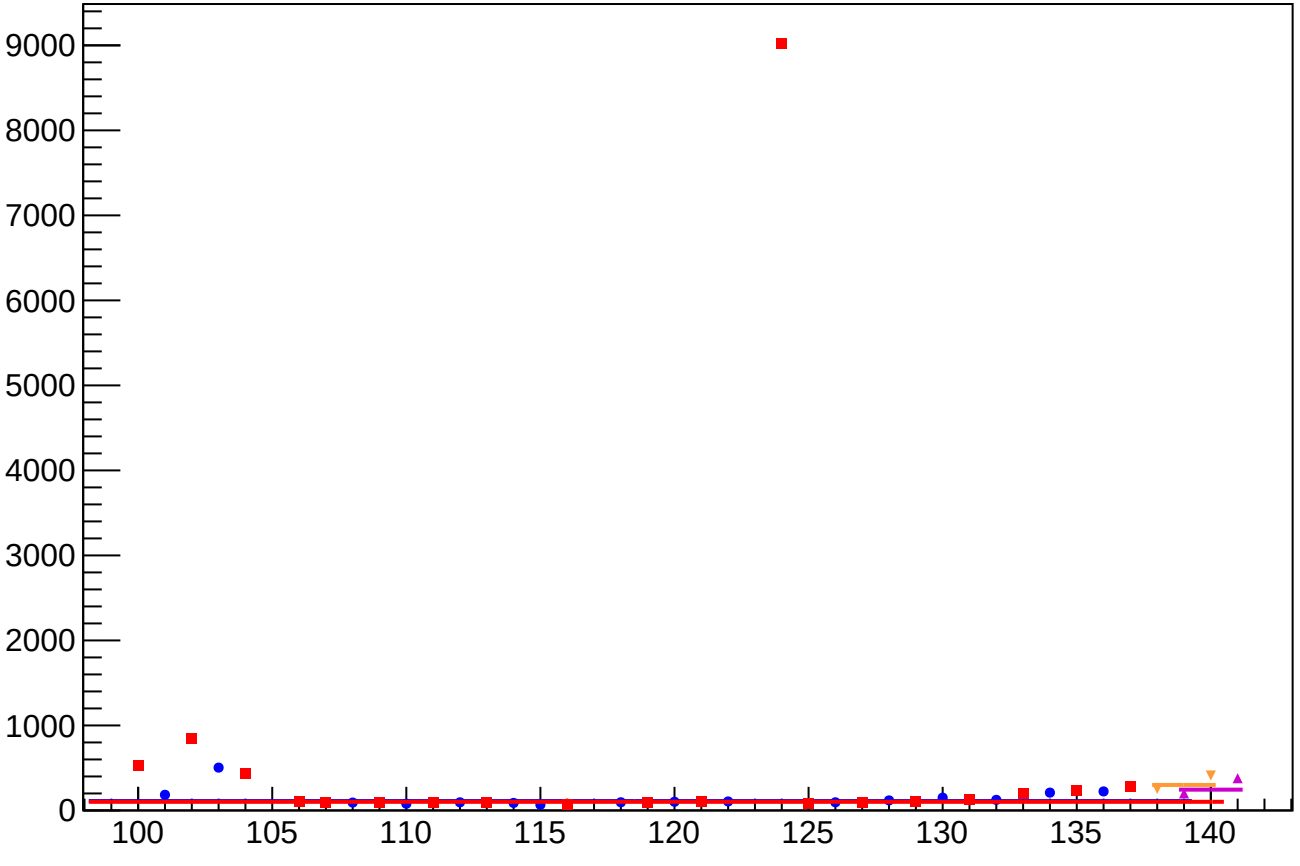
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.044 χ^2/NDF:16.0/17

Out: -0.008+/-0.043 χ^2/NDF:24.7/20

All: 0.018+/-0.031 χ^2/NDF: 41.4/38

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 300.106+/-0.174 χ^2/NDF:171075.3/1

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 244.651+/-0.142 χ^2/NDF:293515.2/1

Left: 266.903+/-0.110 χ^2/NDF: 525555.4/3

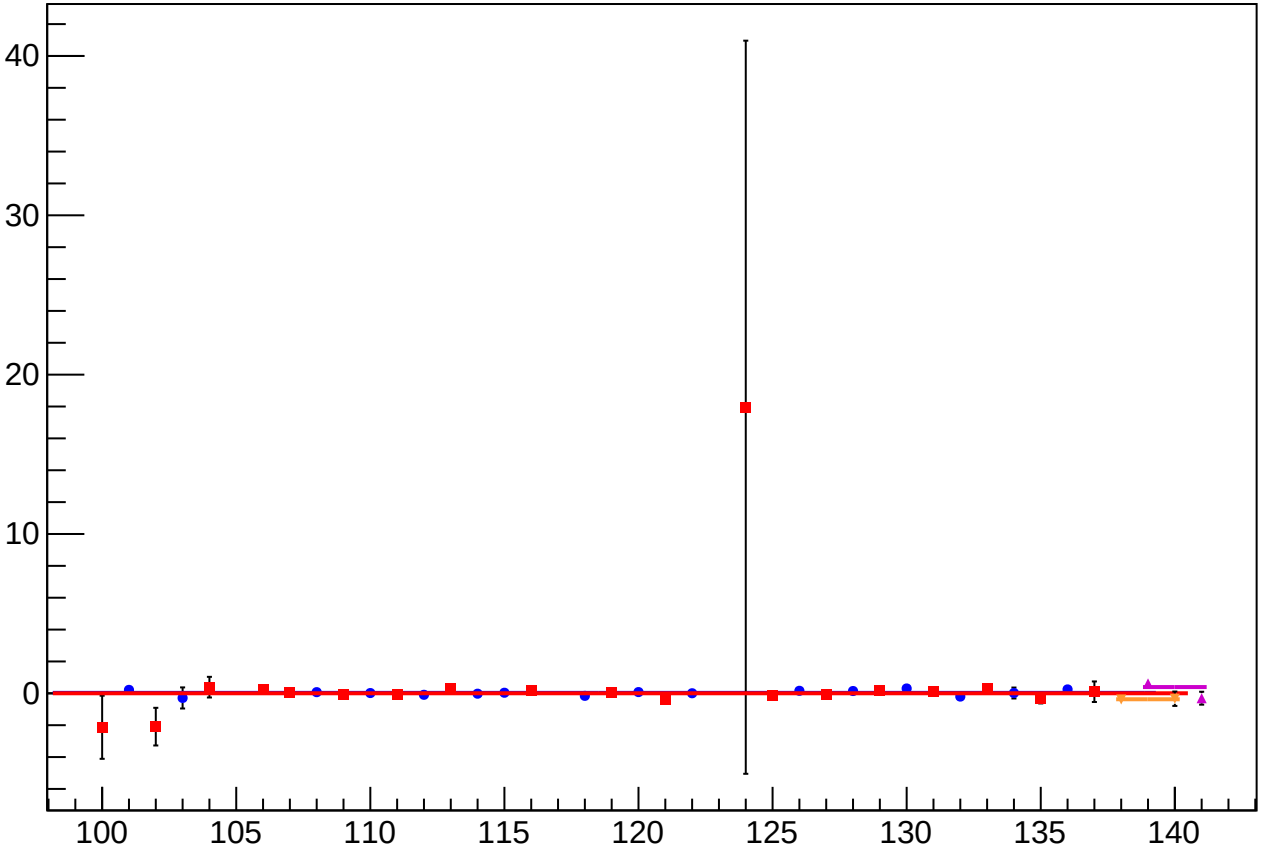
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 116.486+/-0.031 χ^2/NDF:3076680.7/17

Out: 107.841+/-0.030 χ^2/NDF:4022823.6/20

All: 112.016+/-0.022 χ^2/NDF: 7139077.0/38

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.373+/-0.246 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.393+/-0.201 χ^2/NDF:4.0/1

Left: 0.086+/-0.156 χ^2/NDF: 9.8/3

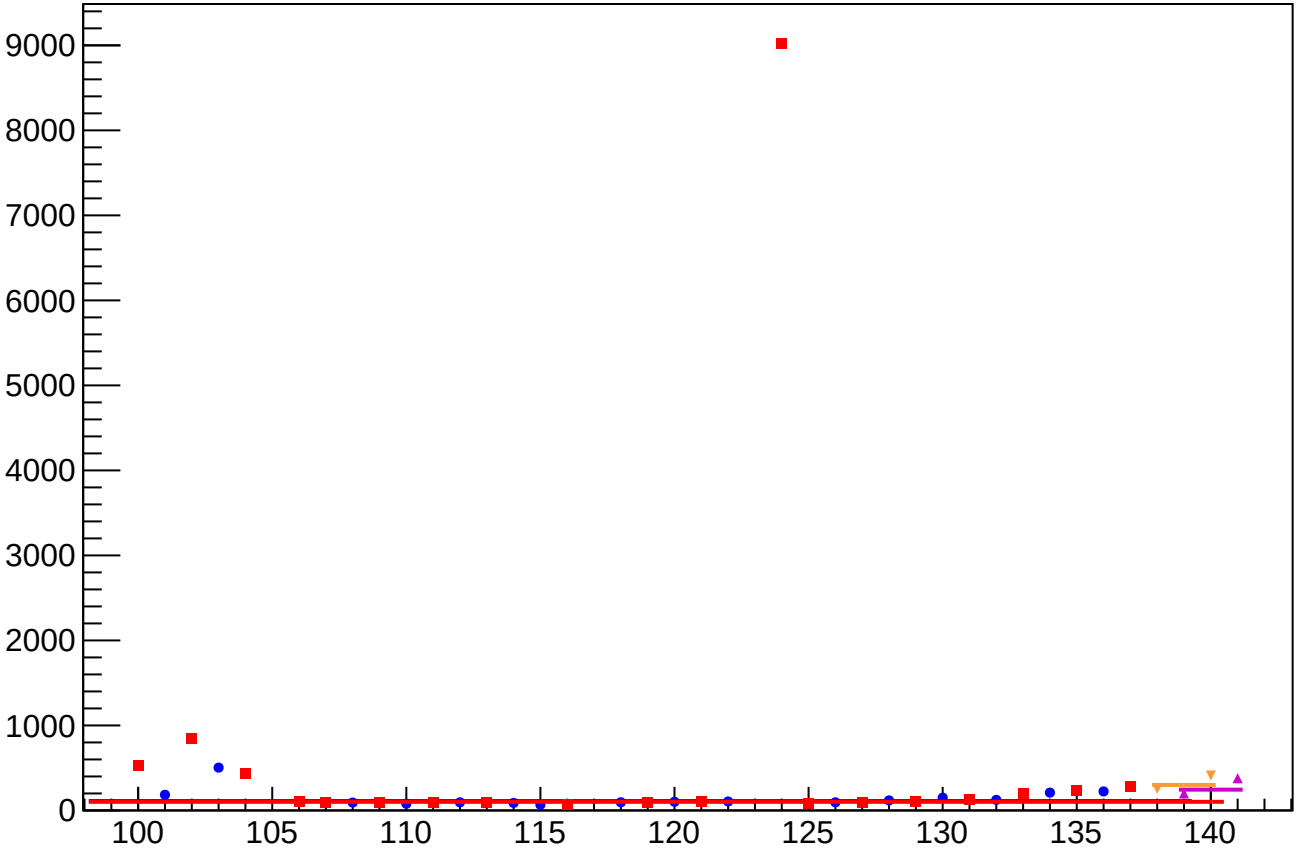
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.044 χ^2/NDF:16.0/17

Out: -0.008+/-0.043 χ^2/NDF:24.7/20

All: 0.018+/-0.031 χ^2/NDF: 41.4/38

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 300.106+/-0.174 χ^2/NDF:171075.3/1

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 244.651+/-0.142 χ^2/NDF:293515.2/1

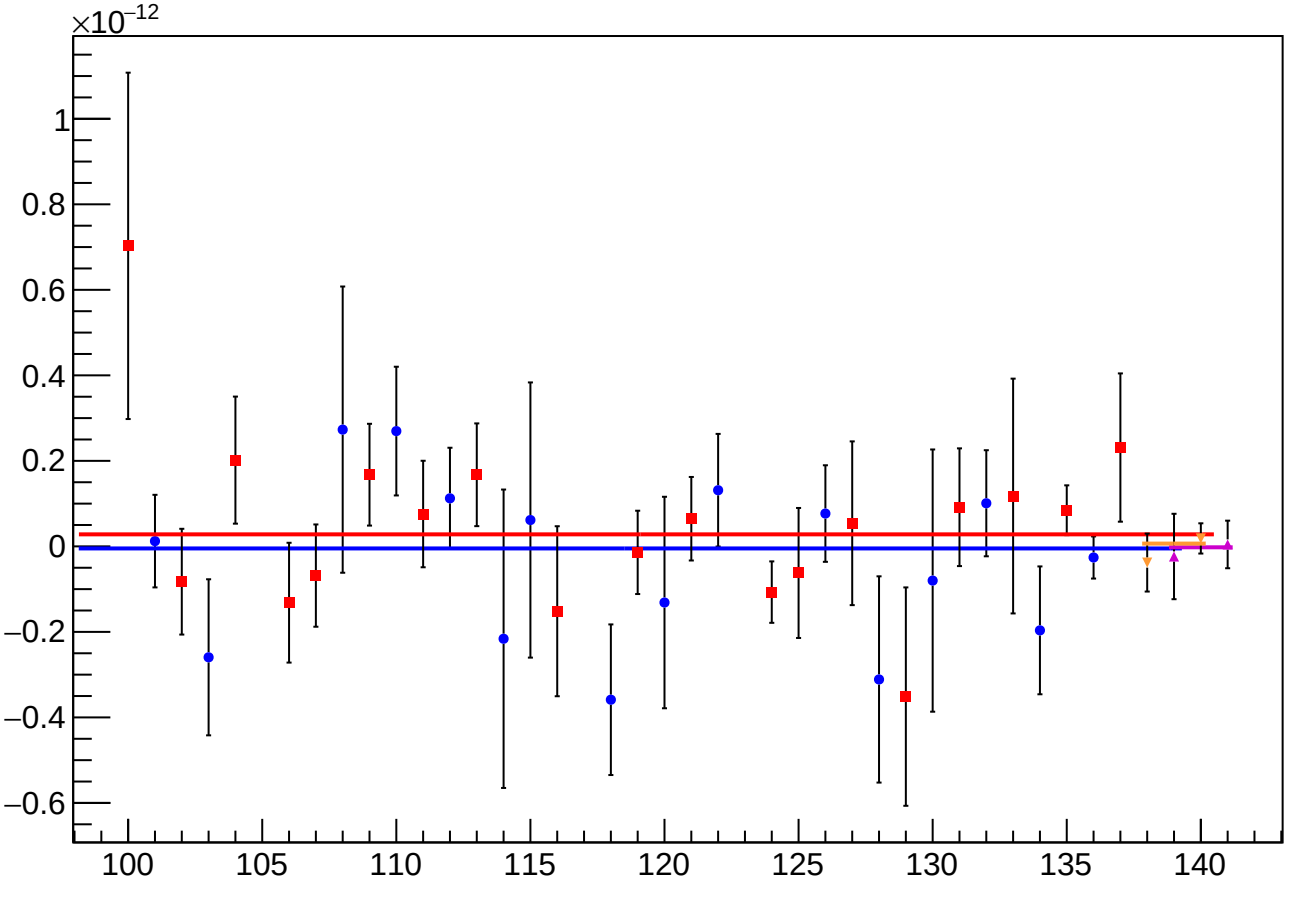
Left: 266.903+/-0.110 χ^2/NDF: 525555.4/3

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 116.486+/-0.031 χ^2/NDF:3076680.7/17

Out: 107.841+/-0.030 χ^2/NDF:4022823.6/20

All: 112.016+/-0.022 χ^2/NDF: 7139077.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

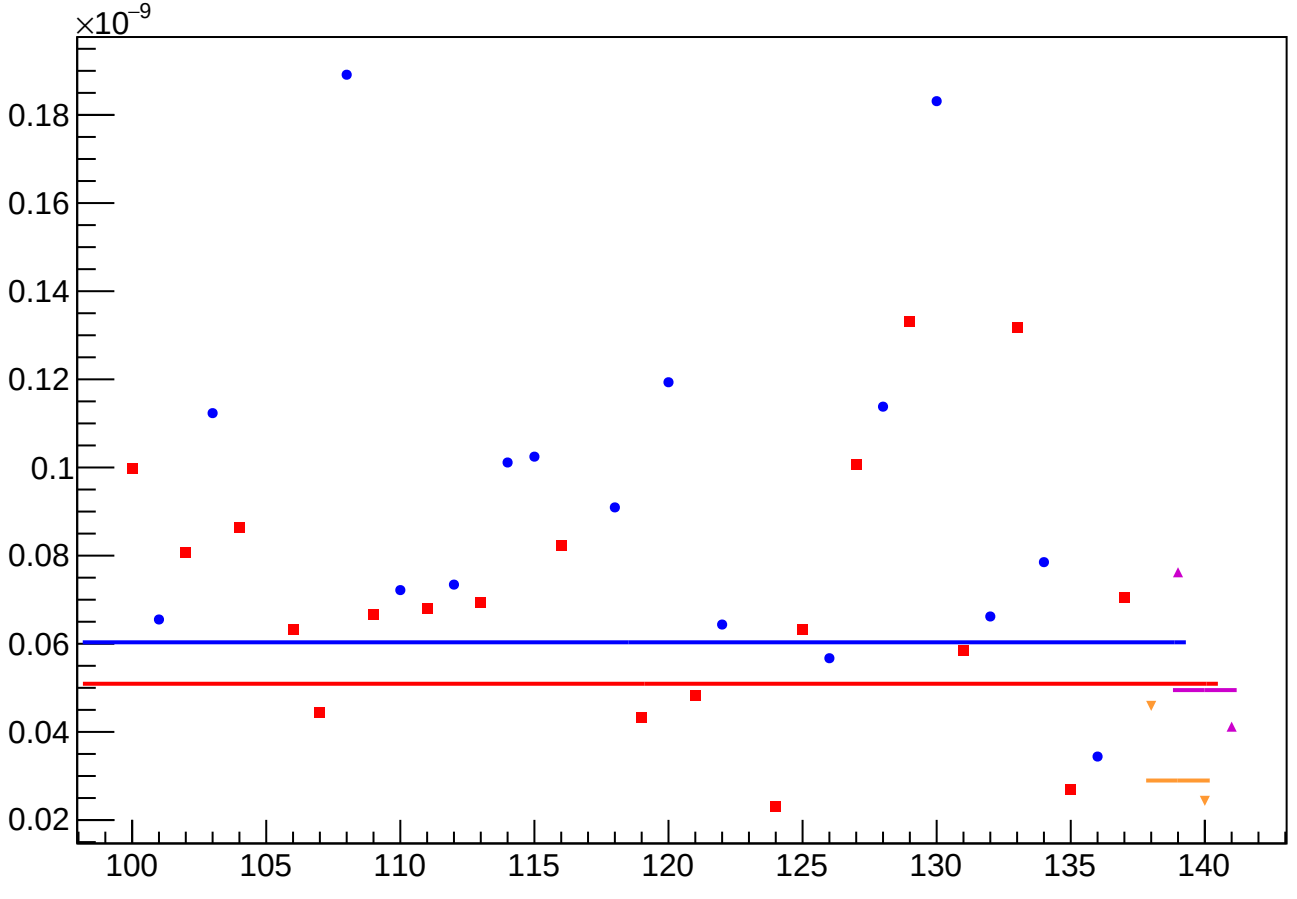
Left: 0.000+/-0.000 χ^2/NDF: 0.6/3

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:17.6/17

Out: 0.000+/-0.000 χ^2/NDF:20.5/20

All: 0.000+/-0.000 χ^2/NDF: 38.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:159047.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:187850.3/1

Left: 0.000+/-0.000 χ^2/NDF: 598703.4/3

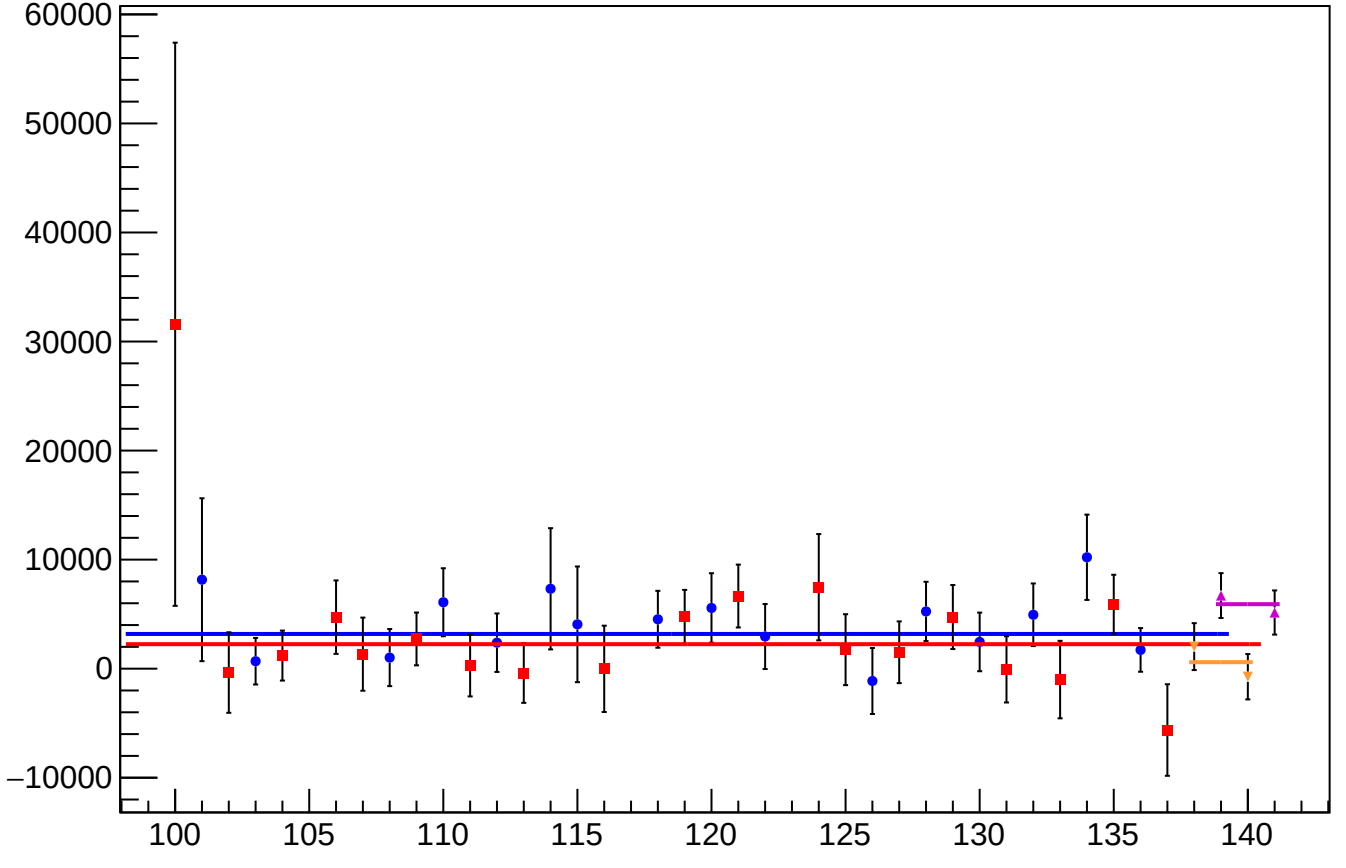
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2003805.3/17

Out: 0.000+/-0.000 χ^2/NDF:2385876.4/20

All: 0.000+/-0.000 χ^2/NDF: 4820578.4/38

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 595.425+/-1494.986 χ^2/NDF:0.9/1

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 5914.592+/-1443.519 χ^2/NDF:0.3/1

Left: 3348.144+/-1038.440 χ^2/NDF: 7.7/3

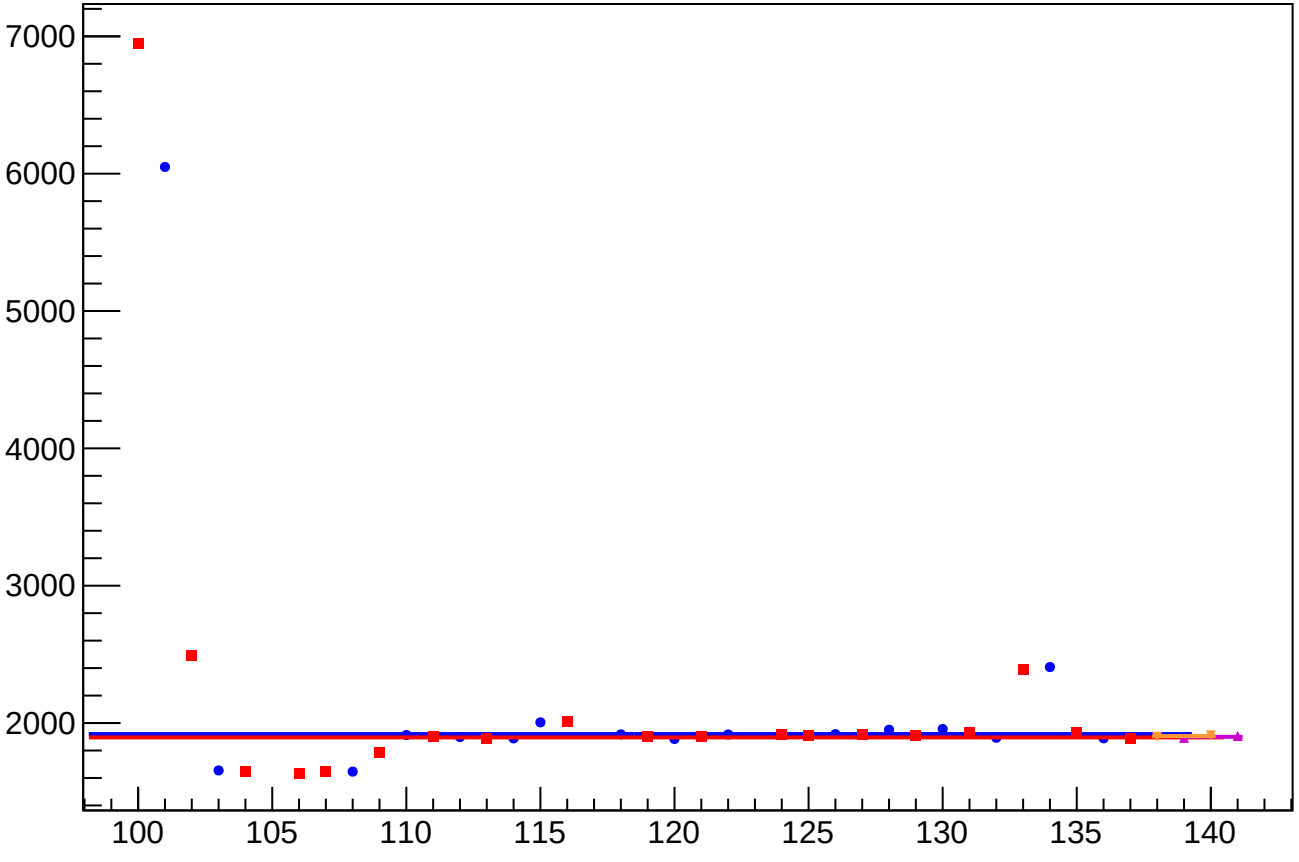
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3741.246+/-652.242 χ^2/NDF:14.8/17

Out: 1941.638+/-642.018 χ^2/NDF:18.4/20

All: 2827.227+/-457.547 χ^2/NDF: 37.1/38

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1904.983+/-1.057 χ^2/NDF:23.6/1

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1899.488+/-1.021 χ^2/NDF:45.5/1

Left: 1902.139+/-0.734 χ^2/NDF: 83.0/3

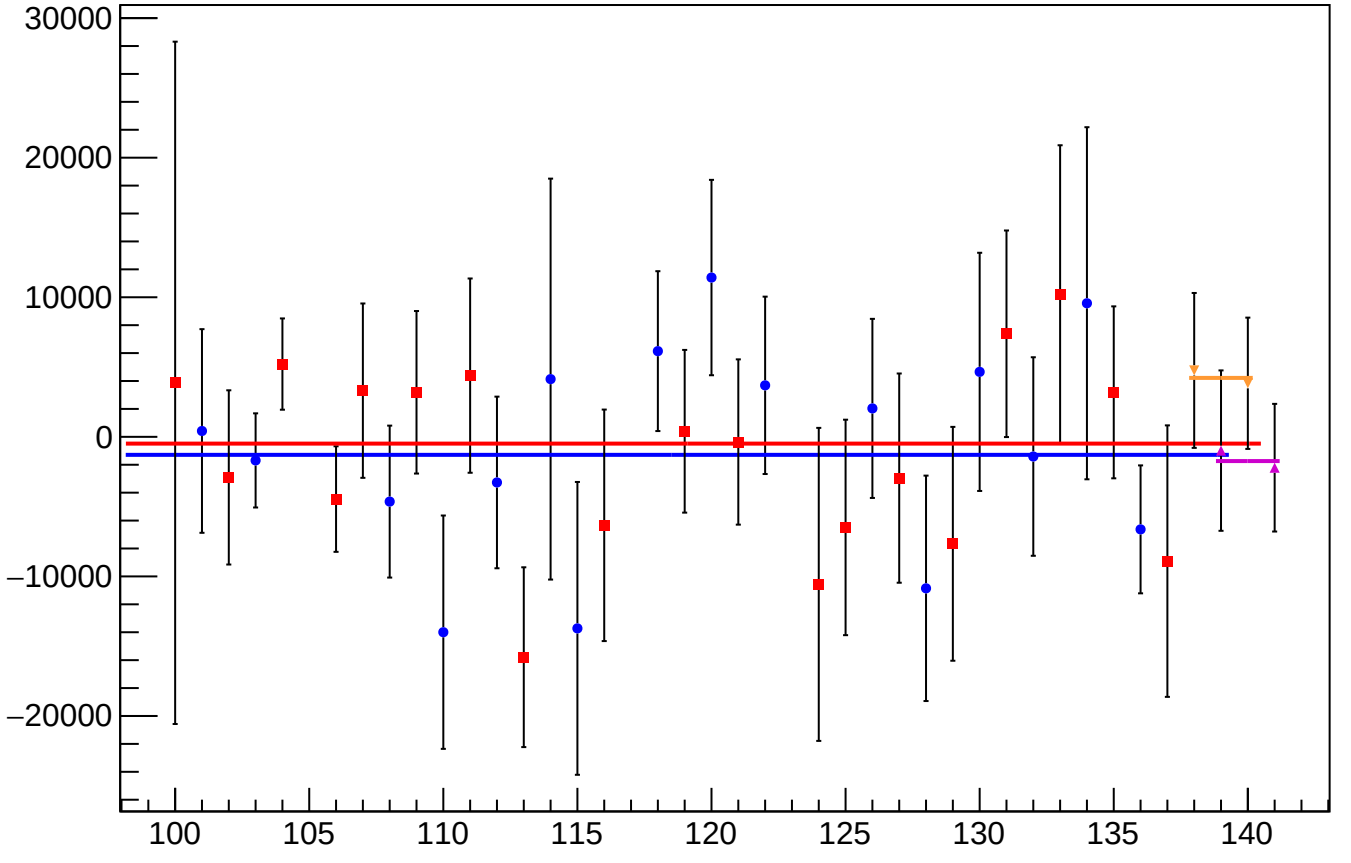
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1915.675+/-0.461 χ^2/NDF:697693.0/17

Out: 1897.126+/-0.453 χ^2/NDF:222365.2/20

All: 1906.227+/-0.323 χ^2/NDF: 920881.9/38

asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 4222.086+/-3588.126 χ^2/NDF:0.0/1

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: -1736.607+/-3578.241 χ^2/NDF:0.0/1

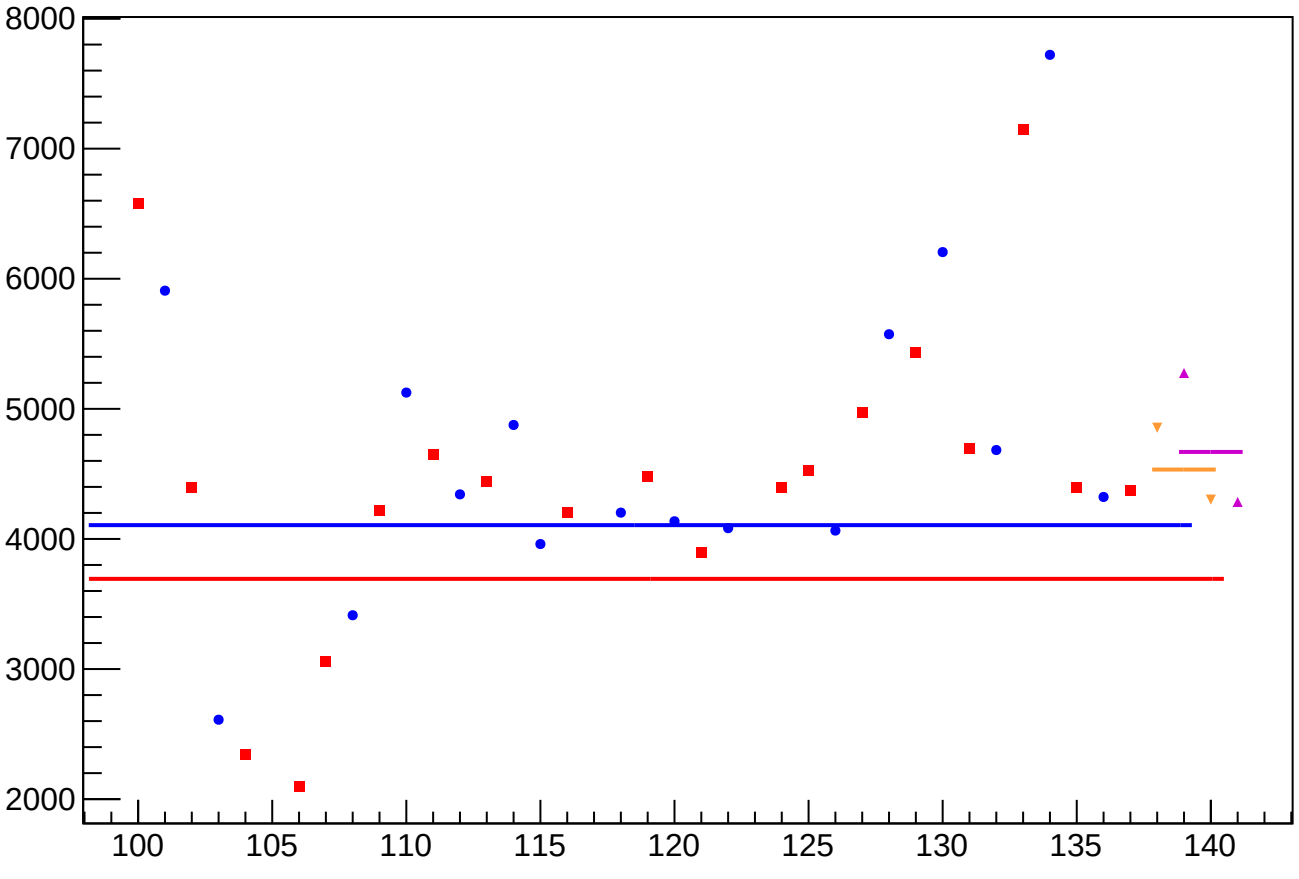
Left: 1234.520+/-2533.686 χ^2/NDF: 1.4/3

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -1363.702+/-1449.522 χ^2/NDF:14.3/17

Out: 165.796+/-1334.368 χ^2/NDF:18.7/20

All: -535.795+/-981.730 χ^2/NDF: 33.6/38



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4533.503+/-2.537 χ^2/NDF:11543.2/1

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4668.775+/-2.530 χ^2/NDF:36443.9/1

Left: 4601.326+/-1.792 χ^2/NDF: 49412.3/3

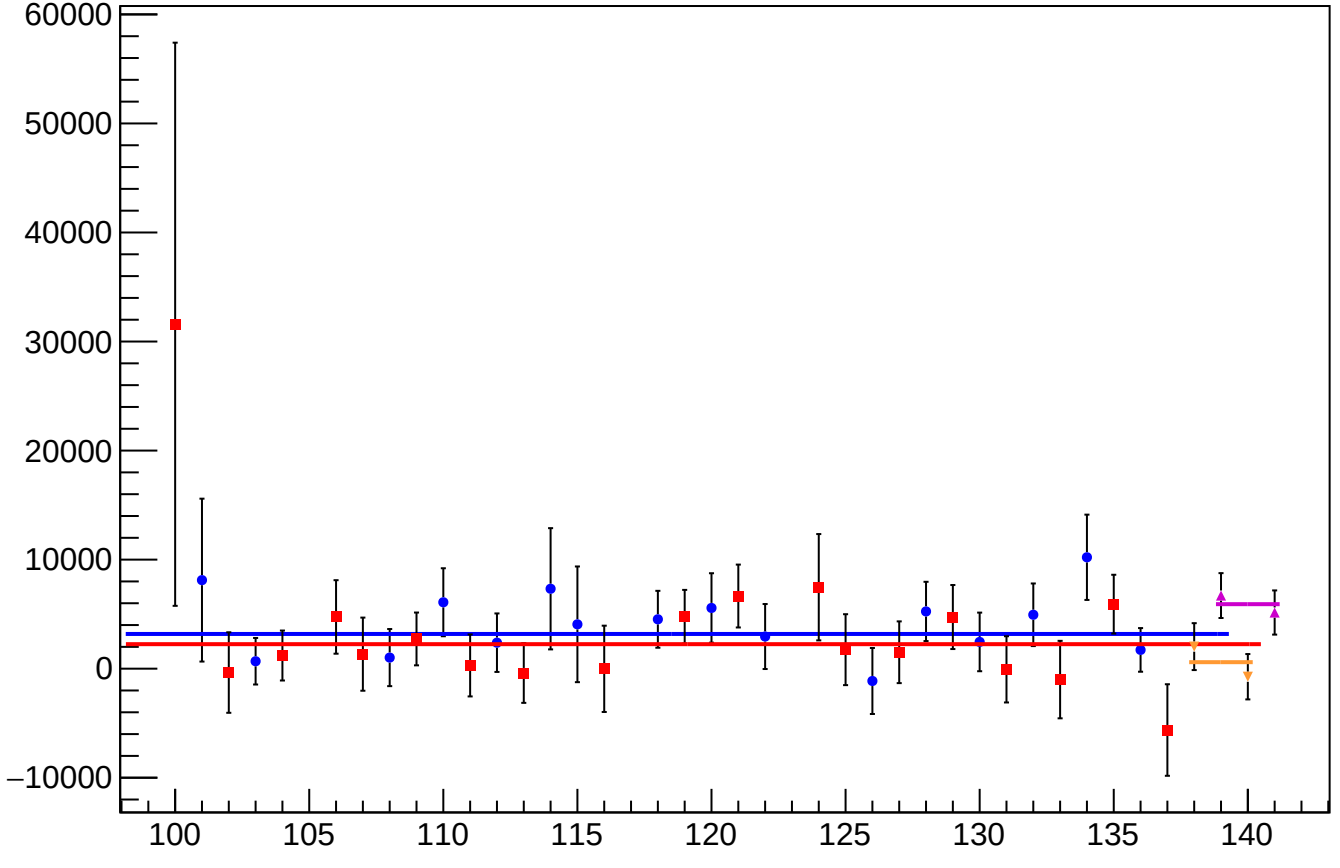
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4198.470+/-1.025 χ^2/NDF:1033907.3/17

Out: 3809.469+/-0.944 χ^2/NDF:1462691.5/20

All: 3987.907+/-0.694 χ^2/NDF: 2574566.3/38

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 595.475+/-1494.986 χ^2/NDF:0.9/1

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 5914.957+/-1443.519 χ^2/NDF:0.3/1

Left: 3348.358+/-1038.440 χ^2/NDF: 7.7/3

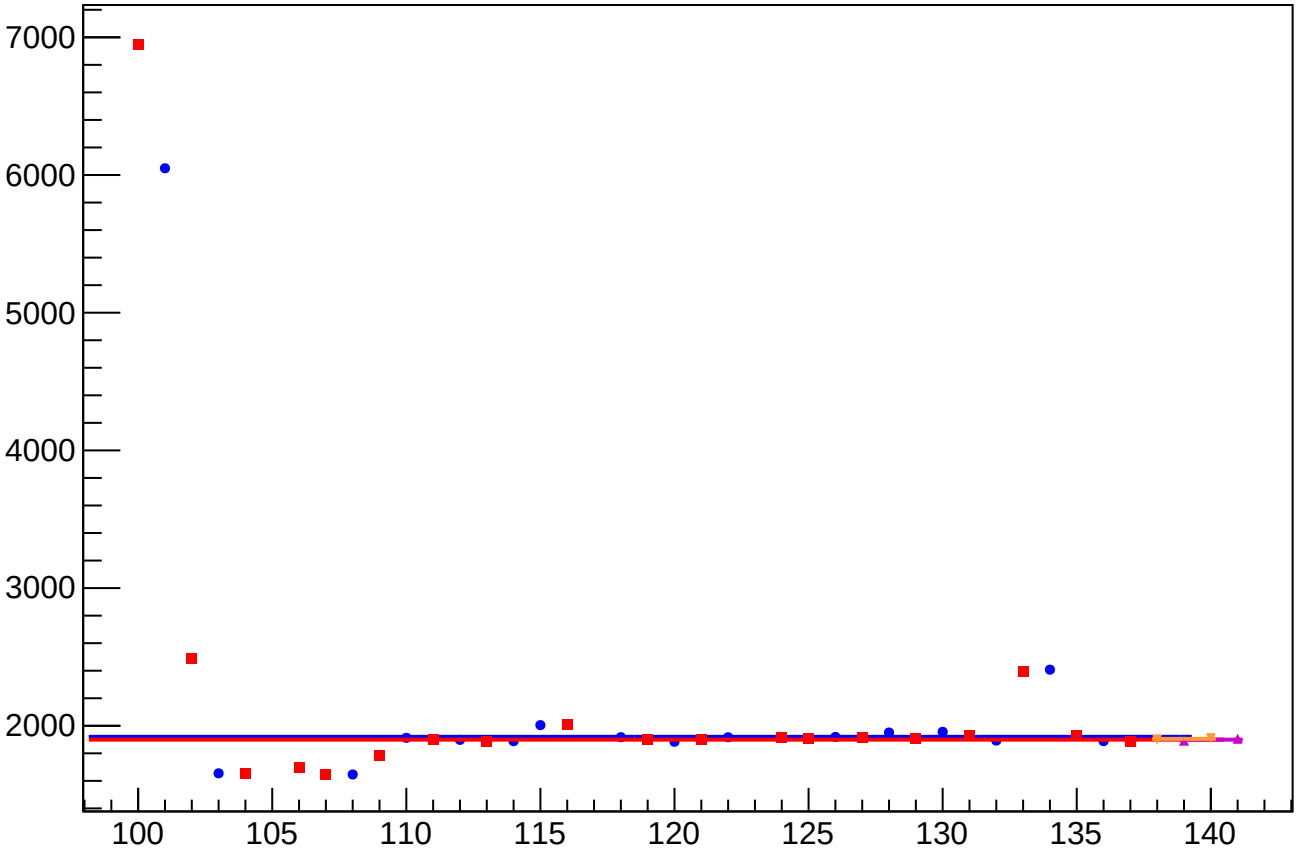
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3740.738+/-652.242 χ^2/NDF:14.8/17

Out: 1942.572+/-642.022 χ^2/NDF:18.4/20

All: 2827.456+/-457.549 χ^2/NDF: 37.1/38

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1904.983+/-1.057 χ^2/NDF:23.6/1

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1899.488+/-1.021 χ^2/NDF:45.5/1

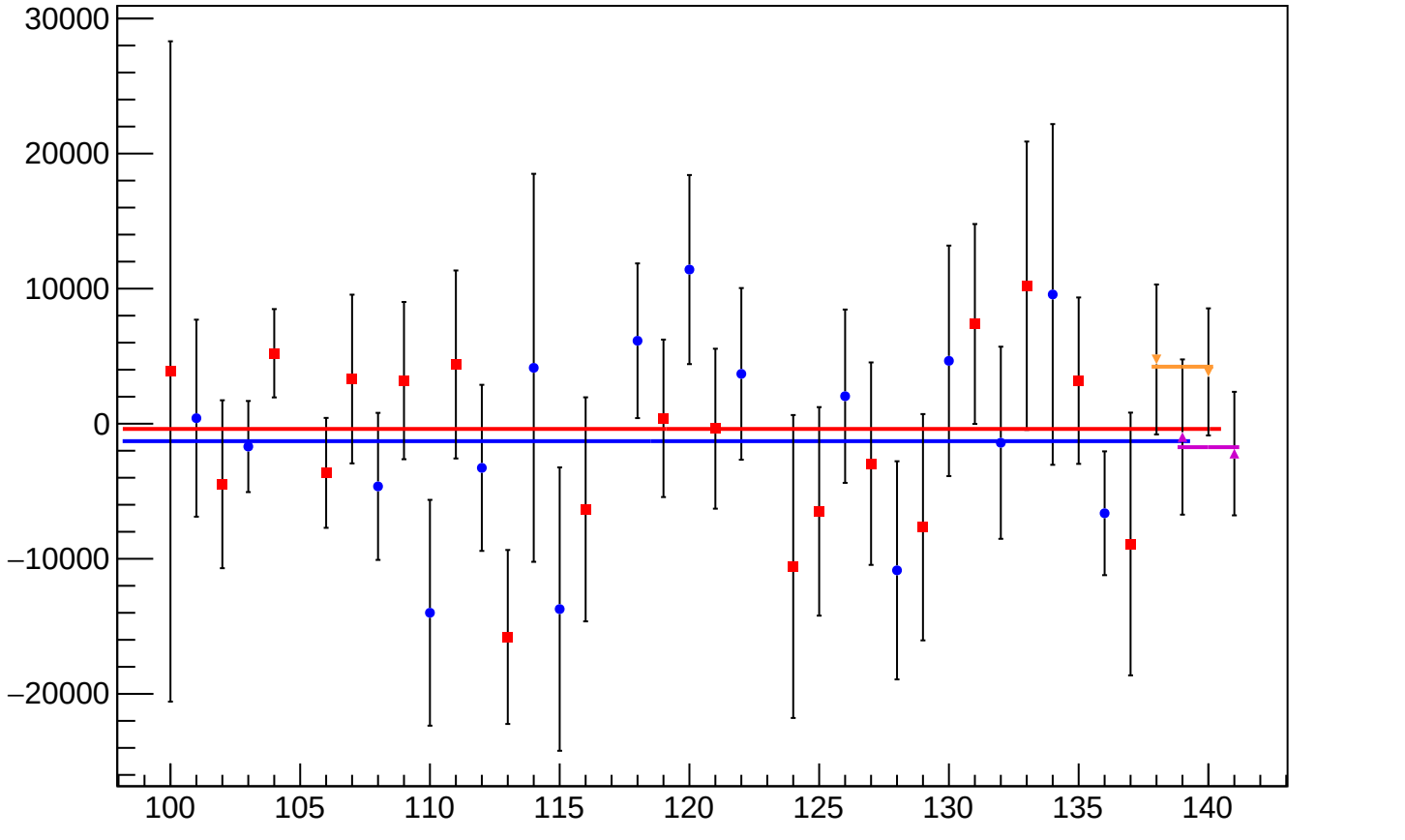
Left: 1902.139+/-0.734 χ^2/NDF: 83.0/3

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1915.675+/-0.461 χ^2/NDF:697692.1/17

Out: 1900.397+/-0.453 χ^2/NDF:215700.8/20

All: 1907.906+/-0.323 χ^2/NDF: 913950.9/38



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 4221.941+/-3588.115 χ^2/NDF:0.0/1

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1736.830+/-3578.243 χ^2/NDF:0.0/1

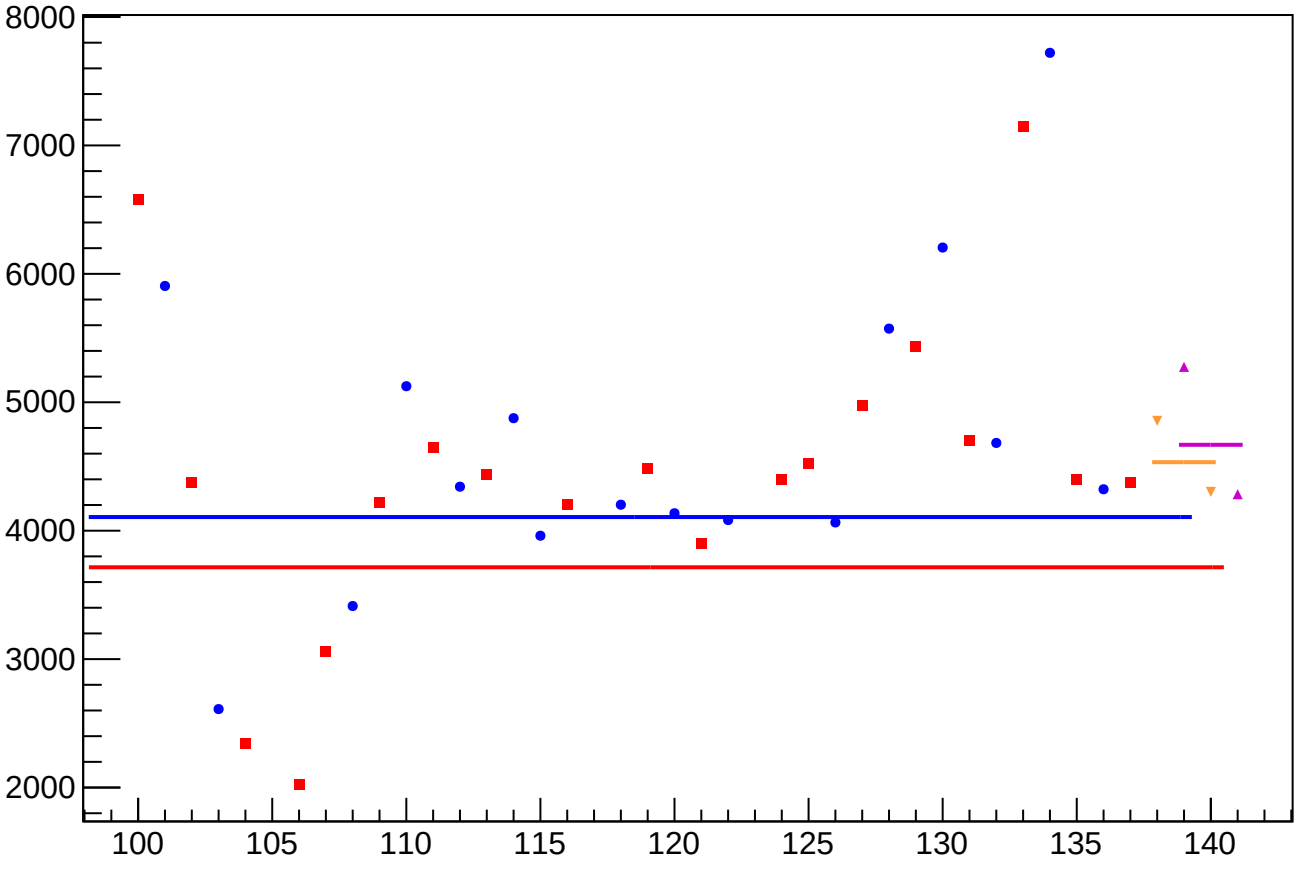
Left: 1234.348+/-2533.683 χ^2/NDF: 1.4/3

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -1364.046+/-1449.524 χ^2/NDF:14.3/17

Out: 260.645+/-1345.596 χ^2/NDF:18.4/20

All: -491.375+/-986.176 χ^2/NDF: 33.4/38



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4533.485+/-2.537 χ^2/NDF:11543.4/1

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4668.777+/-2.530 χ^2/NDF:36445.4/1

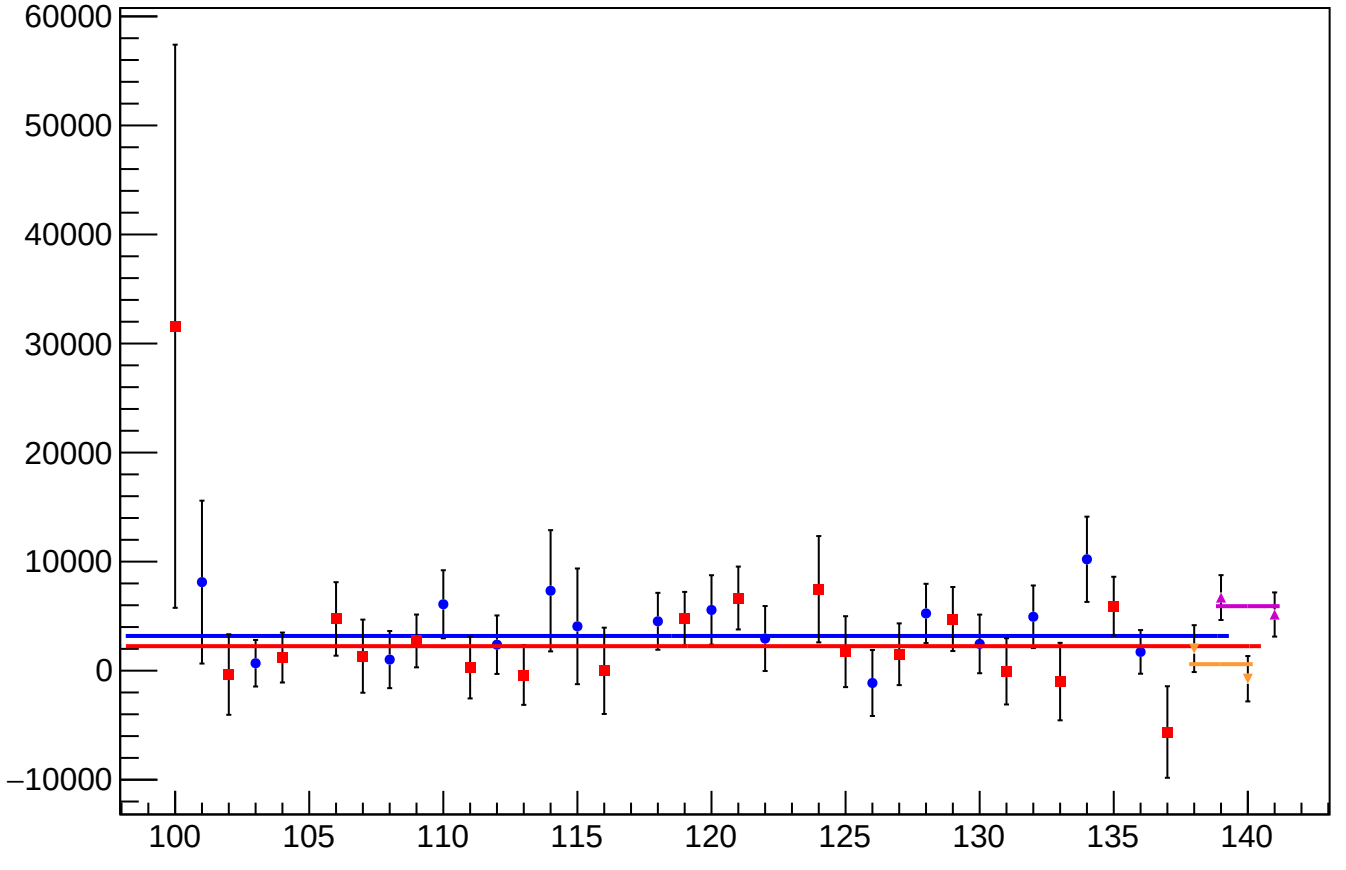
Left: 4601.317+/-1.792 χ^2/NDF: 49414.4/3

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4198.548+/-1.025 χ^2/NDF:1033396.1/17

Out: 3830.283+/-0.951 χ^2/NDF:1436032.6/20

All: 4000.741+/-0.697 χ^2/NDF: 2538768.2/38



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 595.475+/-1494.986 χ^2/NDF:0.9/1

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 5914.957+/-1443.519 χ^2/NDF:0.3/1

Left: 3348.358+/-1038.440 χ^2/NDF: 7.7/3

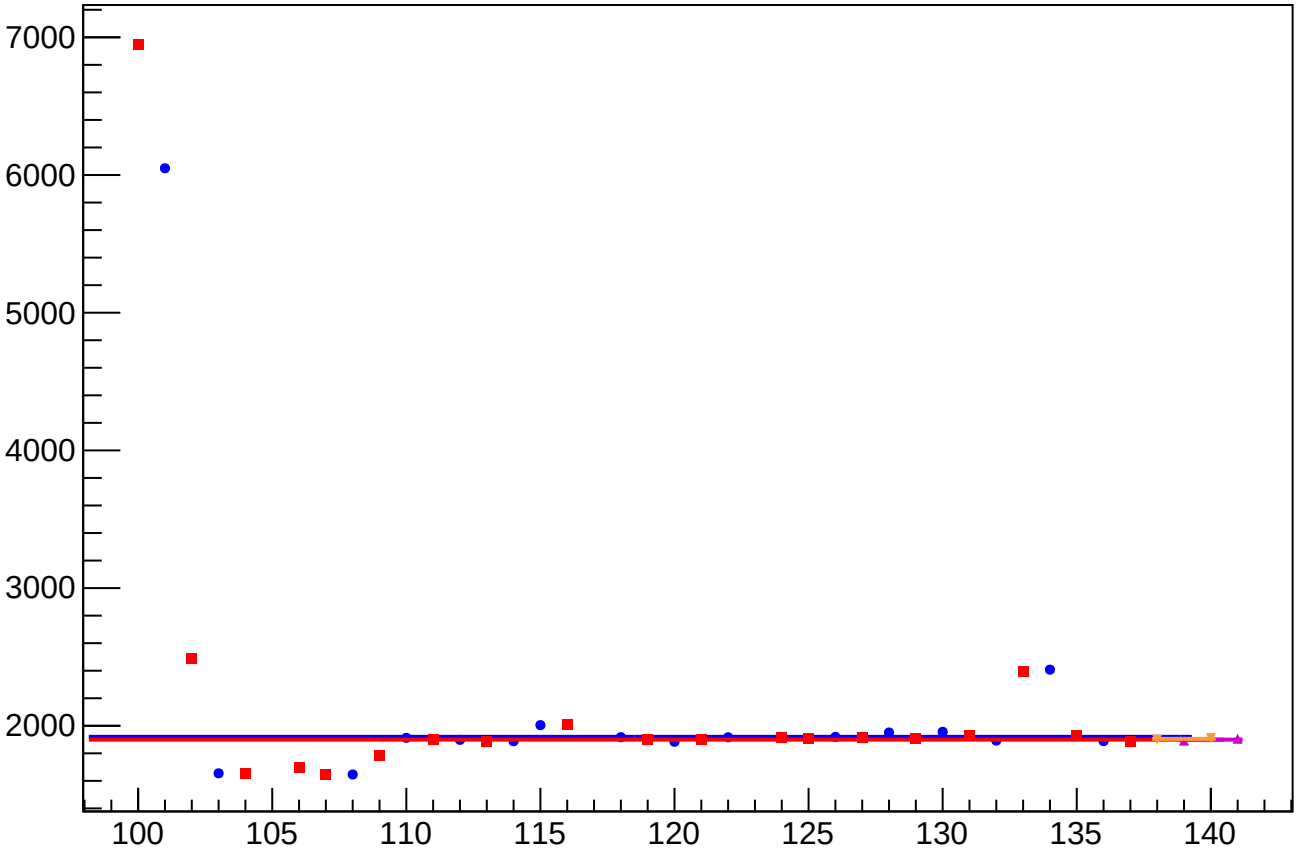
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3740.738+/-652.242 χ^2/NDF:14.8/17

Out: 1942.572+/-642.022 χ^2/NDF:18.4/20

All: 2827.456+/-457.549 χ^2/NDF: 37.1/38

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1904.983+/-0.557 χ^2/NDF:23.6/1

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1899.488+/-1.021 χ^2/NDF:45.5/1

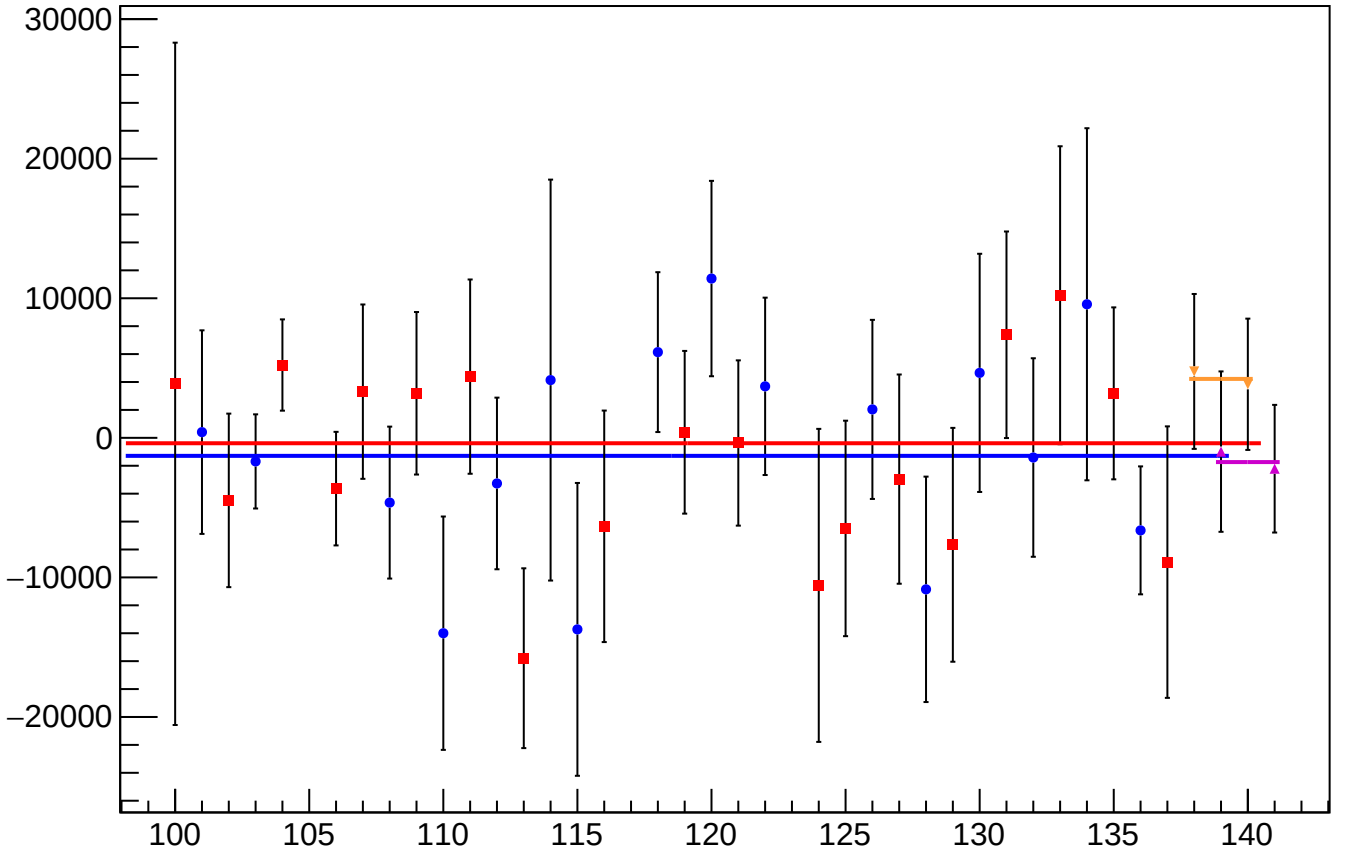
Left: 1902.139+/-0.734 χ^2/NDF: 83.0/3

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1915.675+/-0.461 χ^2/NDF:697692.1/17

Out: 1900.397+/-0.453 χ^2/NDF:215700.8/20

All: 1907.906+/-0.323 χ^2/NDF: 913950.9/38



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 4221.941+/-3588.115 χ^2/NDF:0.0/1

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1736.830+/-3578.243 χ^2/NDF:0.0/1

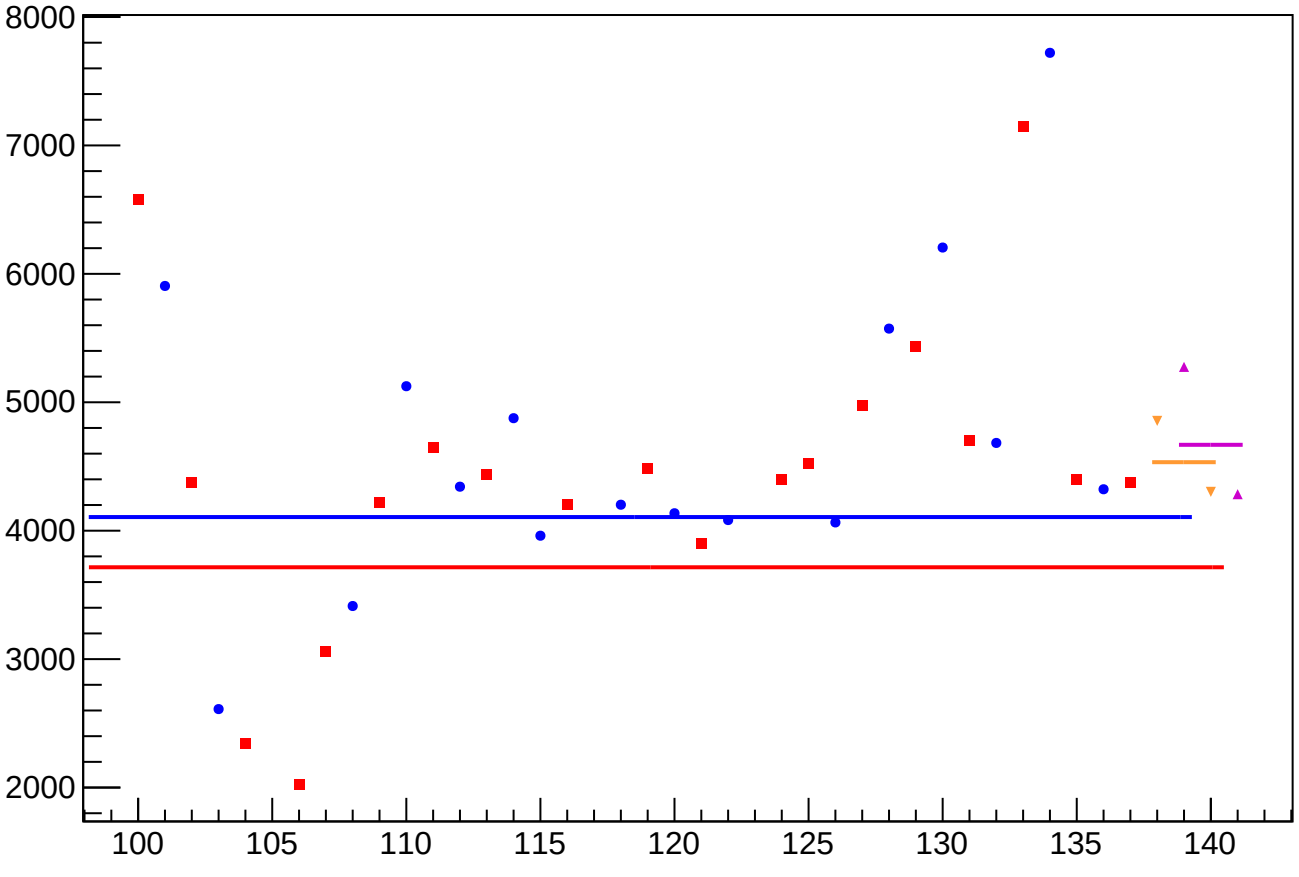
Left: 1234.348+/-2533.683 χ^2/NDF: 1.4/3

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -1364.046+/-1449.524 χ^2/NDF:14.3/17

Out: 260.645+/-1345.596 χ^2/NDF:18.4/20

All: -491.375+/-986.176 χ^2/NDF: 33.4/38



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4533.485+/-2.537 χ^2/NDF:11543.4/1

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4668.777+/-2.530 χ^2/NDF:36445.4/1

Left: 4601.317+/-1.792 χ^2/NDF: 49414.4/3

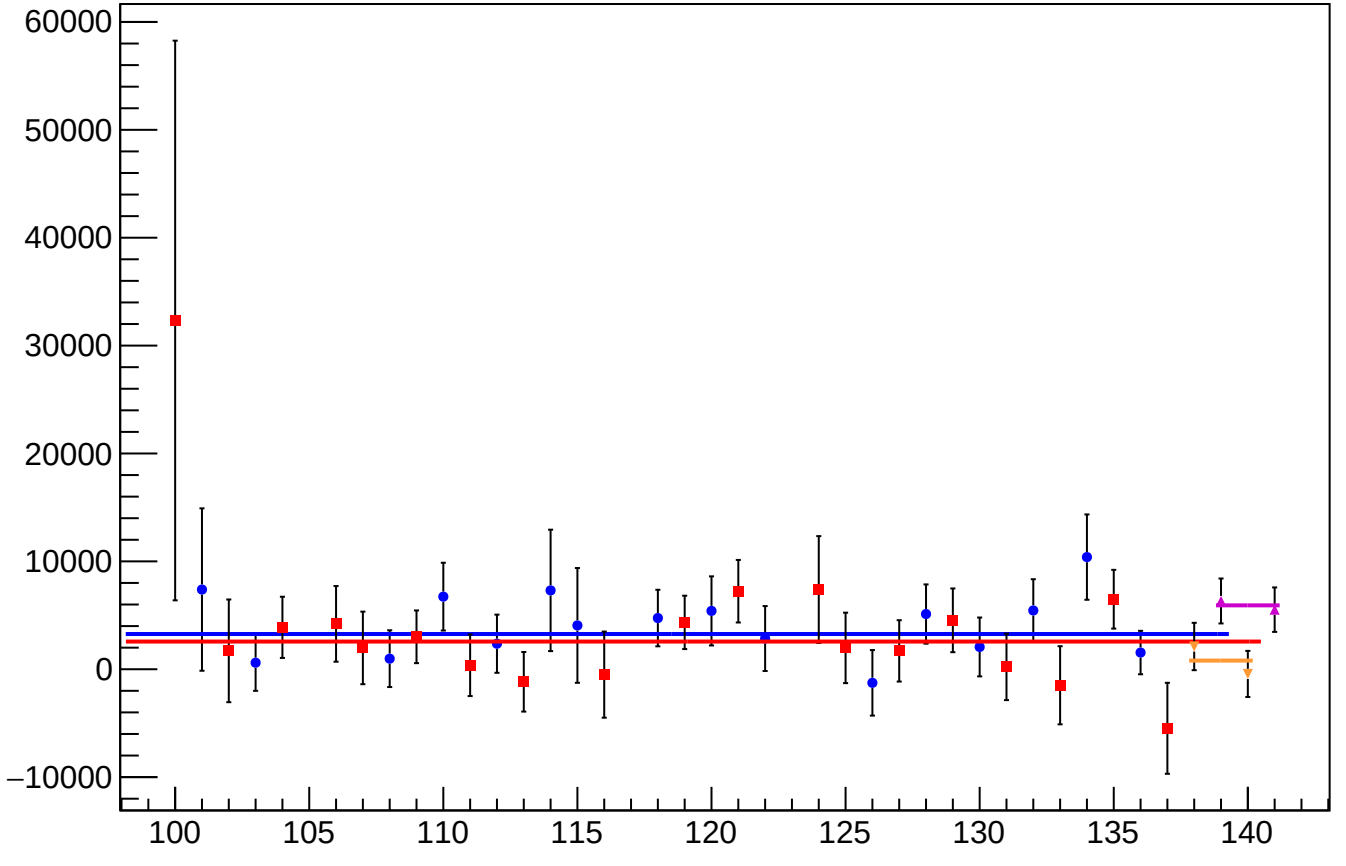
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4198.548+/-1.025 χ^2/NDF:1033396.1/17

Out: 3830.283+/-0.951 χ^2/NDF:1436032.6/20

All: 4000.741+/-0.697 χ^2/NDF: 2538768.2/38

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 802.876+/-1531.086 χ^2/NDF:0.7/1

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 5921.866+/-1464.912 χ^2/NDF:0.1/1

Left: 3475.382+/-1058.470 χ^2/NDF: 6.6/3

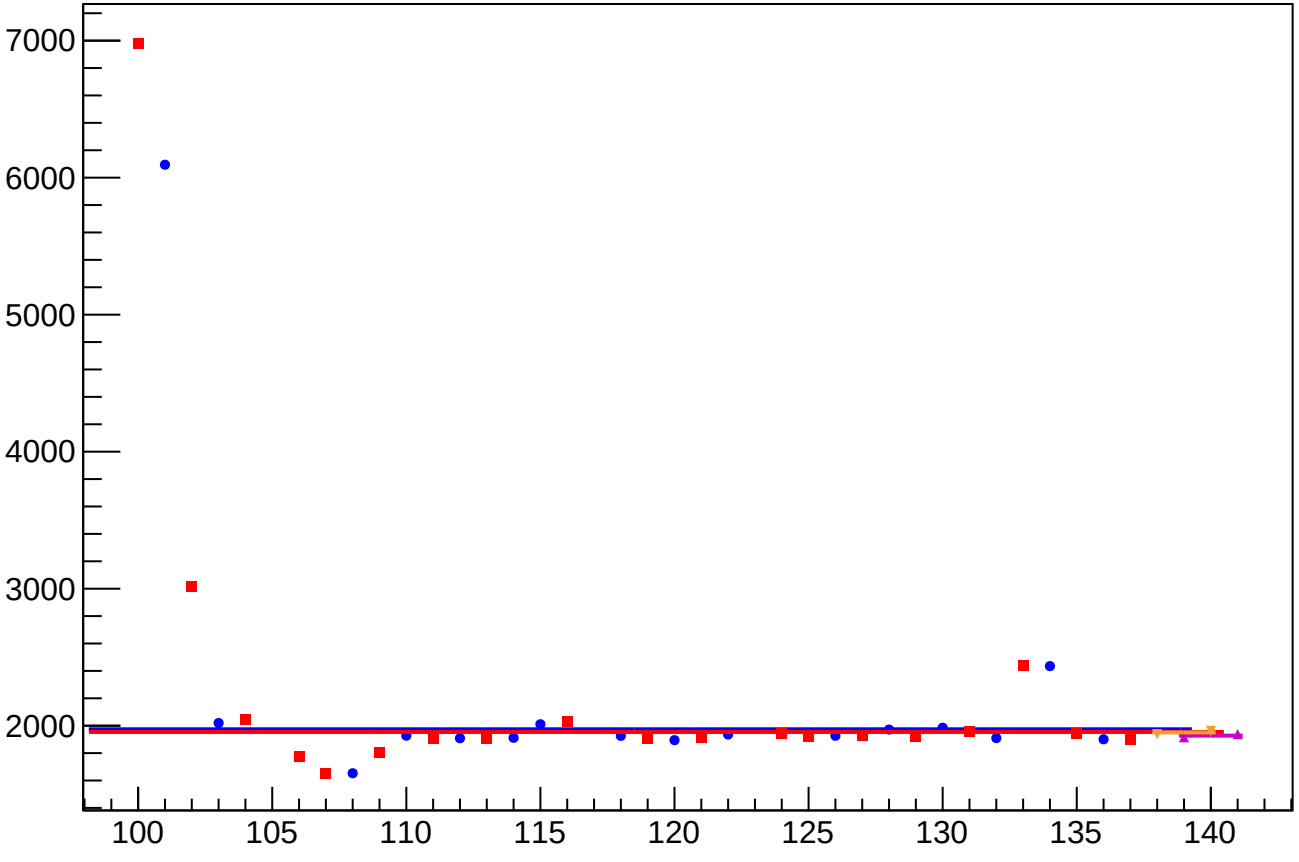
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3817.506+/-668.202 χ^2/NDF:14.8/17

Out: 2236.433+/-662.515 χ^2/NDF:18.8/20

All: 3020.213+/-470.466 χ^2/NDF: 36.5/38

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1950.815+/-1.083 χ^2/NDF:121.8/1

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1927.537+/-1.036 χ^2/NDF:126.1/1

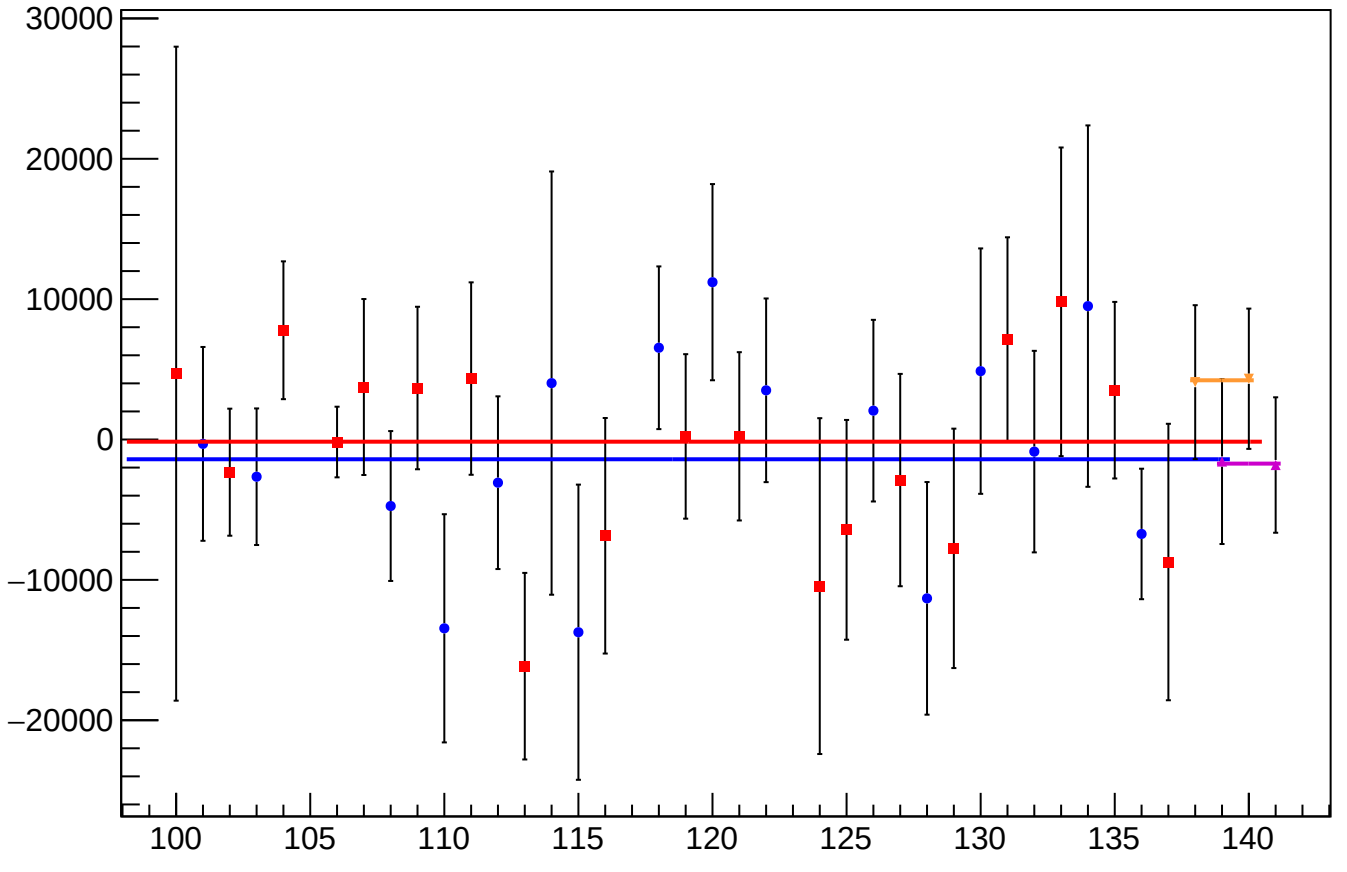
Left: 1938.662+/-0.748 χ^2/NDF: 489.3/3

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1964.133+/-0.472 χ^2/NDF:666826.5/17

Out: 1953.680+/-0.468 χ^2/NDF:246341.8/20

All: 1958.858+/-0.333 χ^2/NDF: 913415.3/38



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 4219.646+/-3693.111 χ^2/NDF:0.0/1

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: -1717.450+/-3729.023 χ^2/NDF:0.0/1

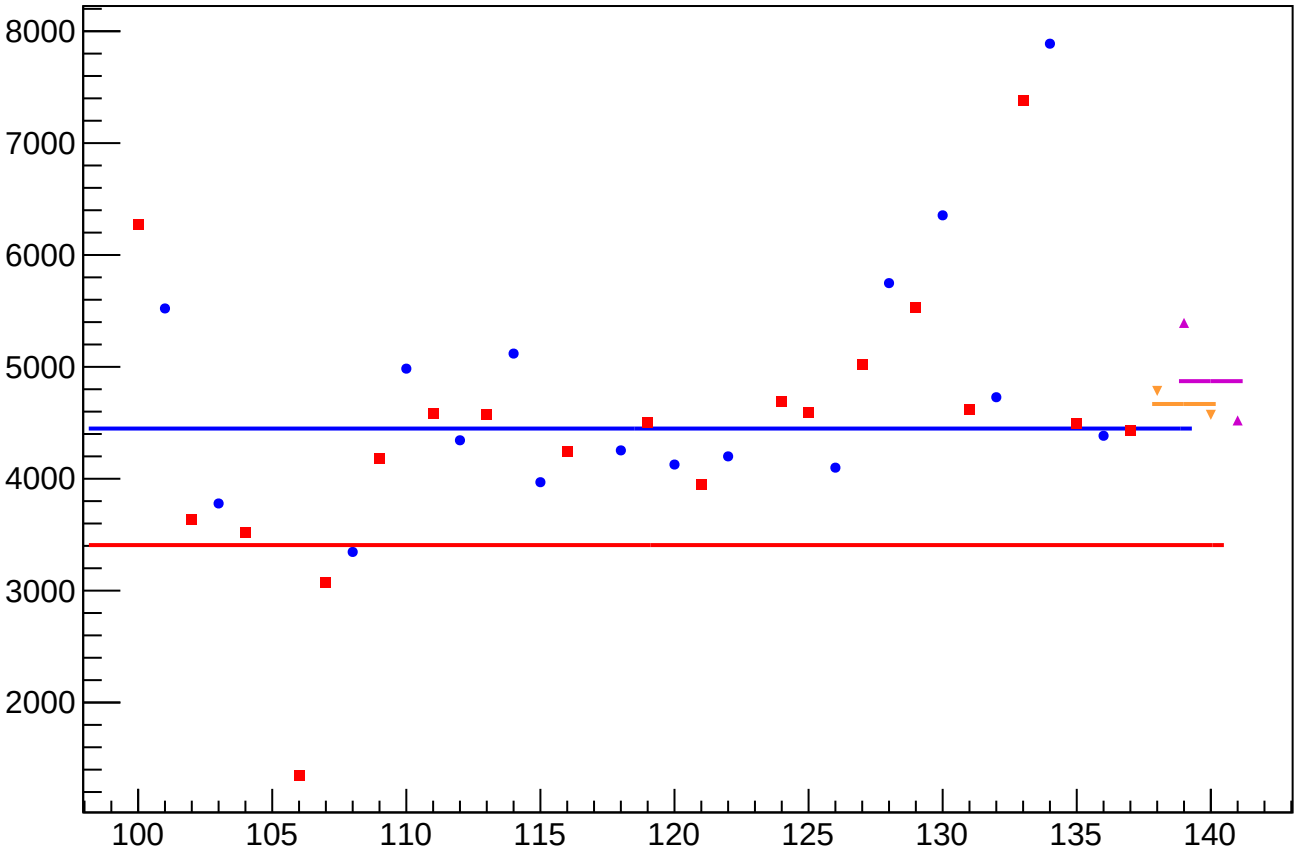
Left: 1279.824+/-2624.029 χ^2/NDF: 1.3/3

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -1460.215+/-1539.289 χ^2/NDF:14.2/17

Out: 369.631+/-1279.225 χ^2/NDF:17.1/20

All: -377.877+/-983.832 χ^2/NDF: 32.1/38



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4668.259+/-2.611 χ^2/NDF:1659.4/1

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4872.373+/-2.637 χ^2/NDF:26284.5/1

Left: 4769.329+/-1.855 χ^2/NDF: 30969.0/3

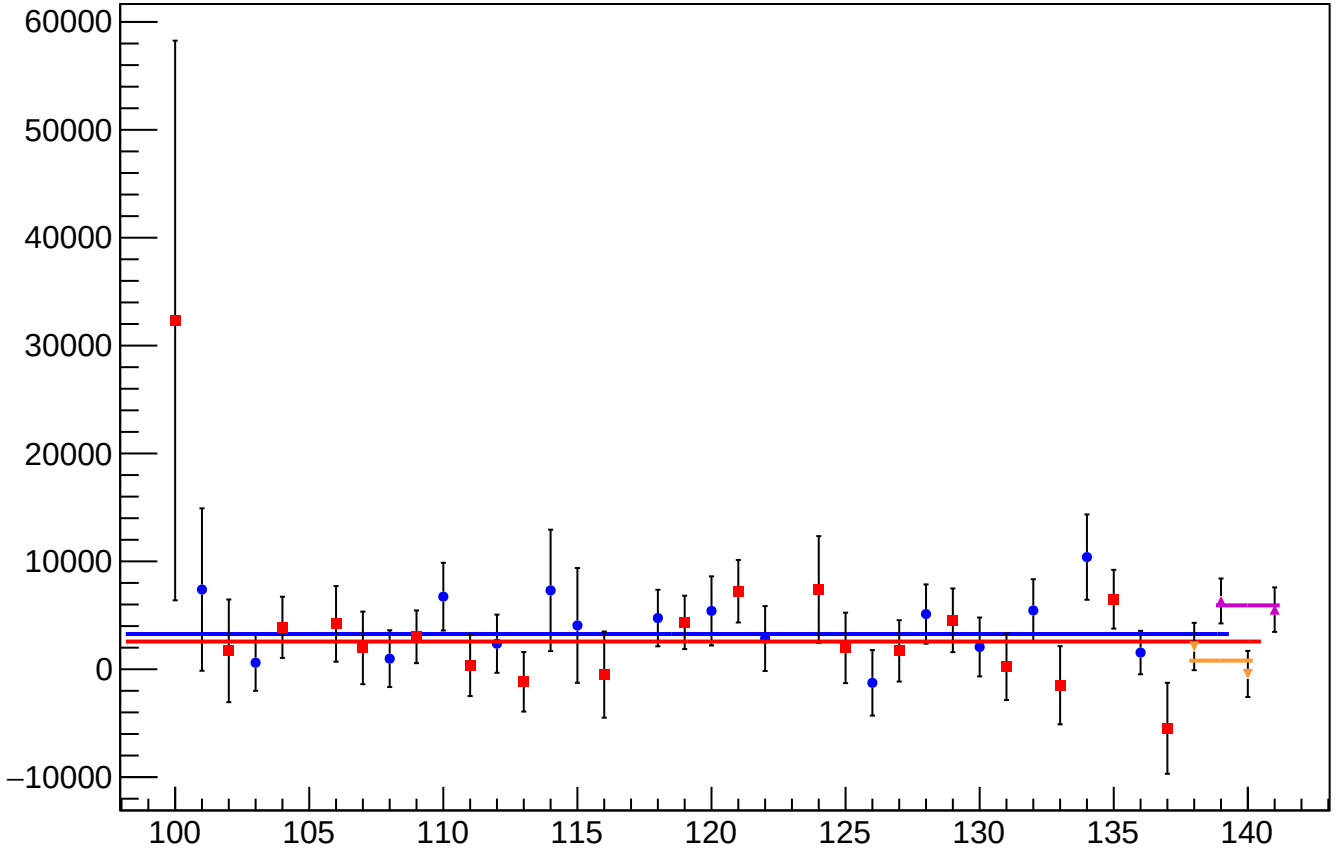
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4520.900+/-1.088 χ^2/NDF:542314.6/17

Out: 3558.438+/-0.905 χ^2/NDF:2532958.2/20

All: 3951.612+/-0.696 χ^2/NDF: 3537765.1/38

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 802.871+/-1531.086 χ^2/NDF:0.7/1

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 5921.844+/-1464.912 χ^2/NDF:0.1/1

Left: 3475.368+/-1058.470 χ^2/NDF: 6.6/3

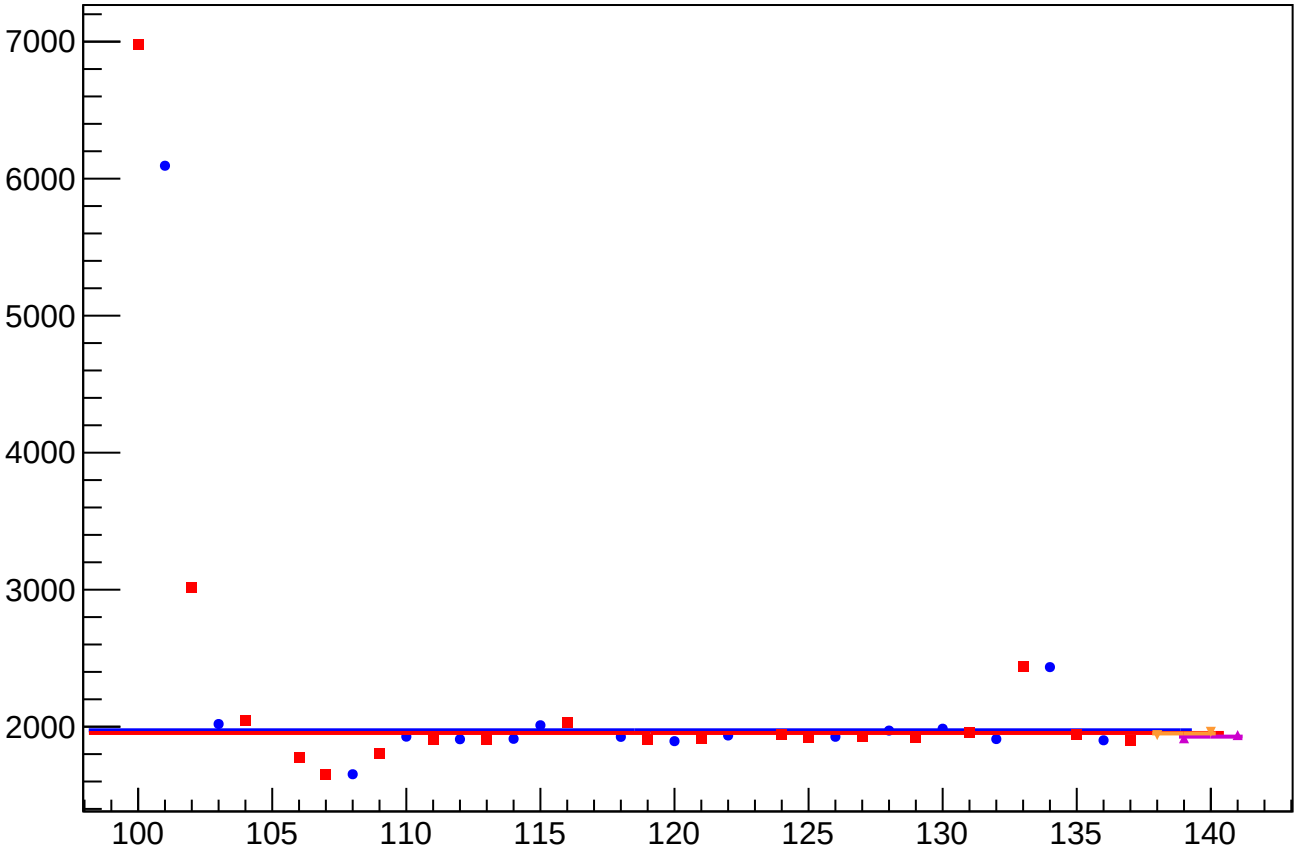
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3817.505+/-668.202 χ^2/NDF:14.8/17

Out: 2236.437+/-662.515 χ^2/NDF:18.8/20

All: 3020.215+/-470.466 χ^2/NDF: 36.5/38

eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1950.816+/-1.083 χ^2/NDF:121.8/1

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1927.537+/-1.036 χ^2/NDF:126.1/1

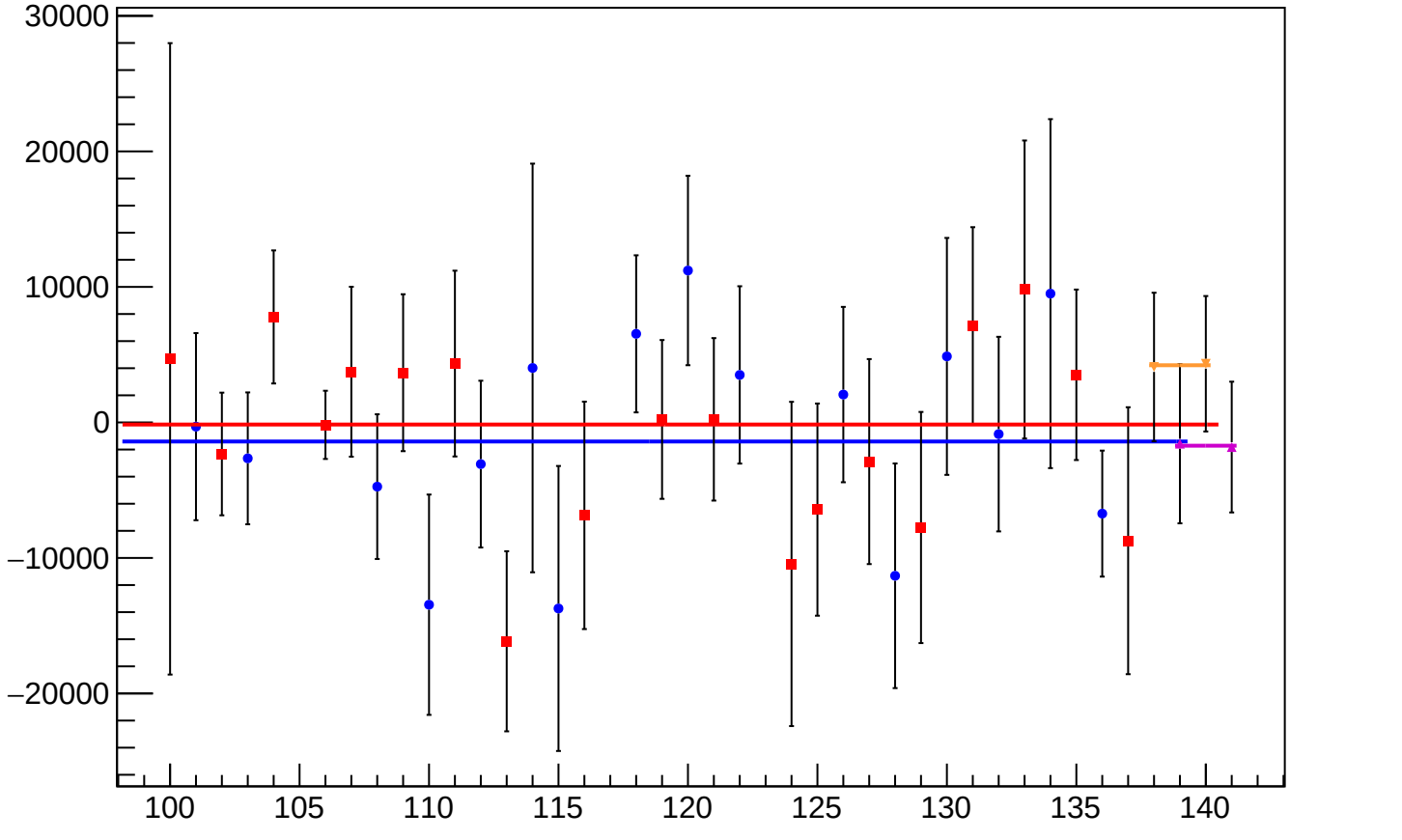
Left: 1938.662+/-0.748 χ^2/NDF: 489.3/3

Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1964.133+/-0.472 χ^2/NDF:666826.5/17

Out: 1953.680+/-0.468 χ^2/NDF:246341.2/20

All: 1958.858+/-0.333 χ^2/NDF: 913414.7/38



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 4219.642+/-3693.113 χ^2/NDF:0.0/1

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: -1717.471+/-3729.026 χ^2/NDF:0.0/1

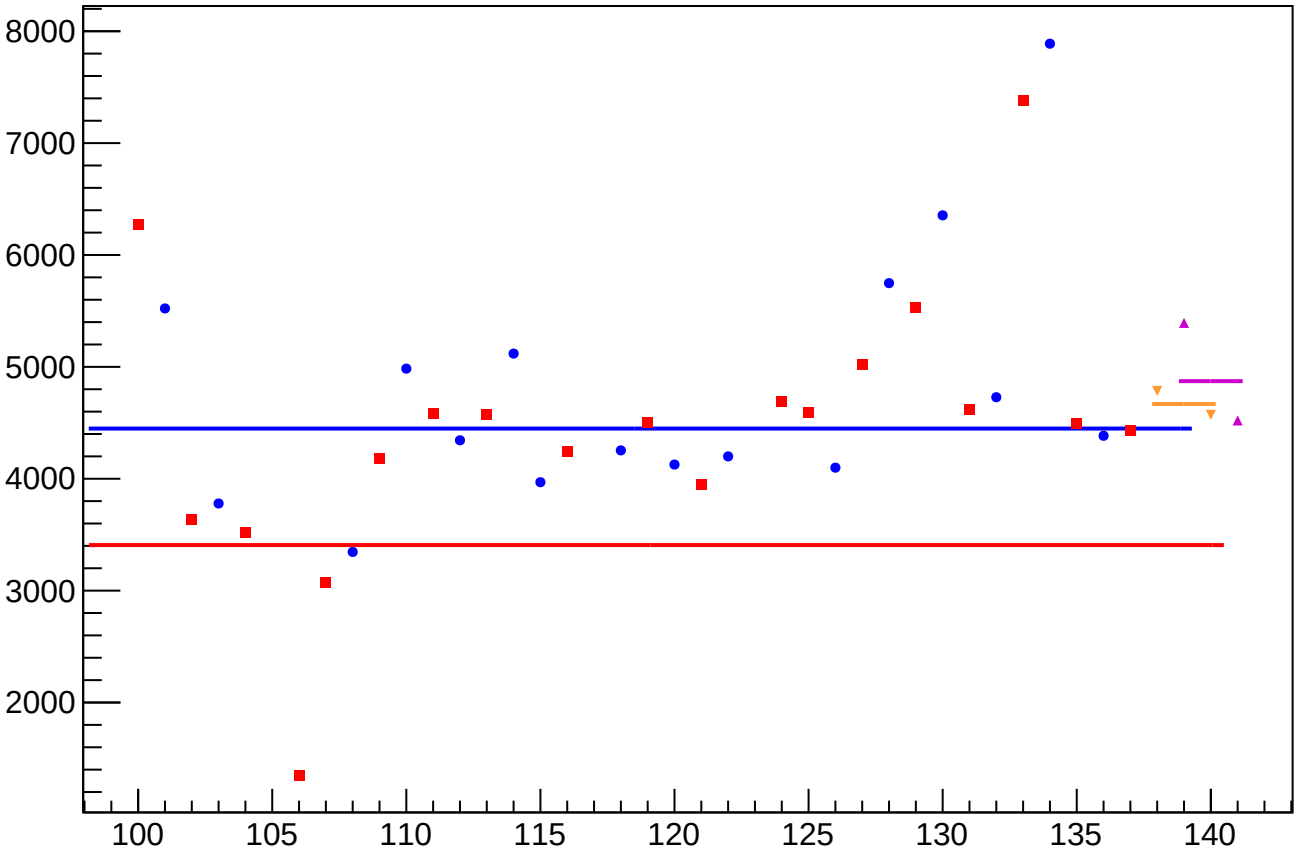
Left: 1279.812+/-2624.030 χ^2/NDF: 1.3/3

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -1460.203+/-1539.287 χ^2/NDF:14.2/17

Out: 369.627+/-1279.222 χ^2/NDF:17.1/20

All: -377.874+/-983.830 χ^2/NDF: 32.1/38



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4668.262+/-2.611 χ^2/NDF:1659.5/1

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4872.376+/-2.637 χ^2/NDF:26285.0/1

Left: 4769.331+/-1.855 χ^2/NDF: 30969.6/3

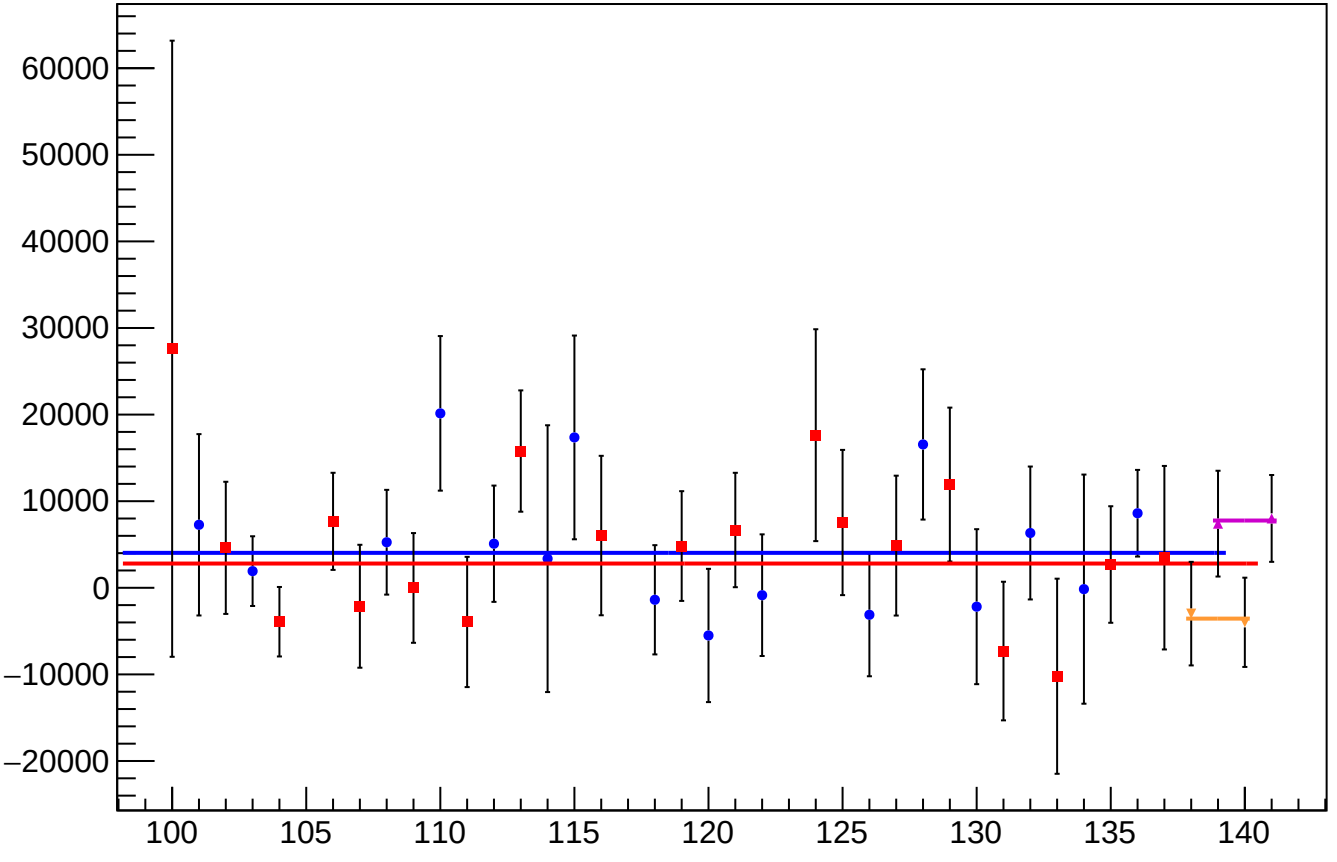
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4520.894+/-1.088 χ^2/NDF:542313.3/17

Out: 3558.431+/-0.905 χ^2/NDF:2532965.5/20

All: 3951.605+/-0.696 χ^2/NDF: 3537774.3/38

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -3558.769+/-3903.752 χ^2/NDF:0.0/1

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 7767.364+/-3875.090 χ^2/NDF:0.0/1

Left: 2146.029+/-2750.180 χ^2/NDF: 4.3/3

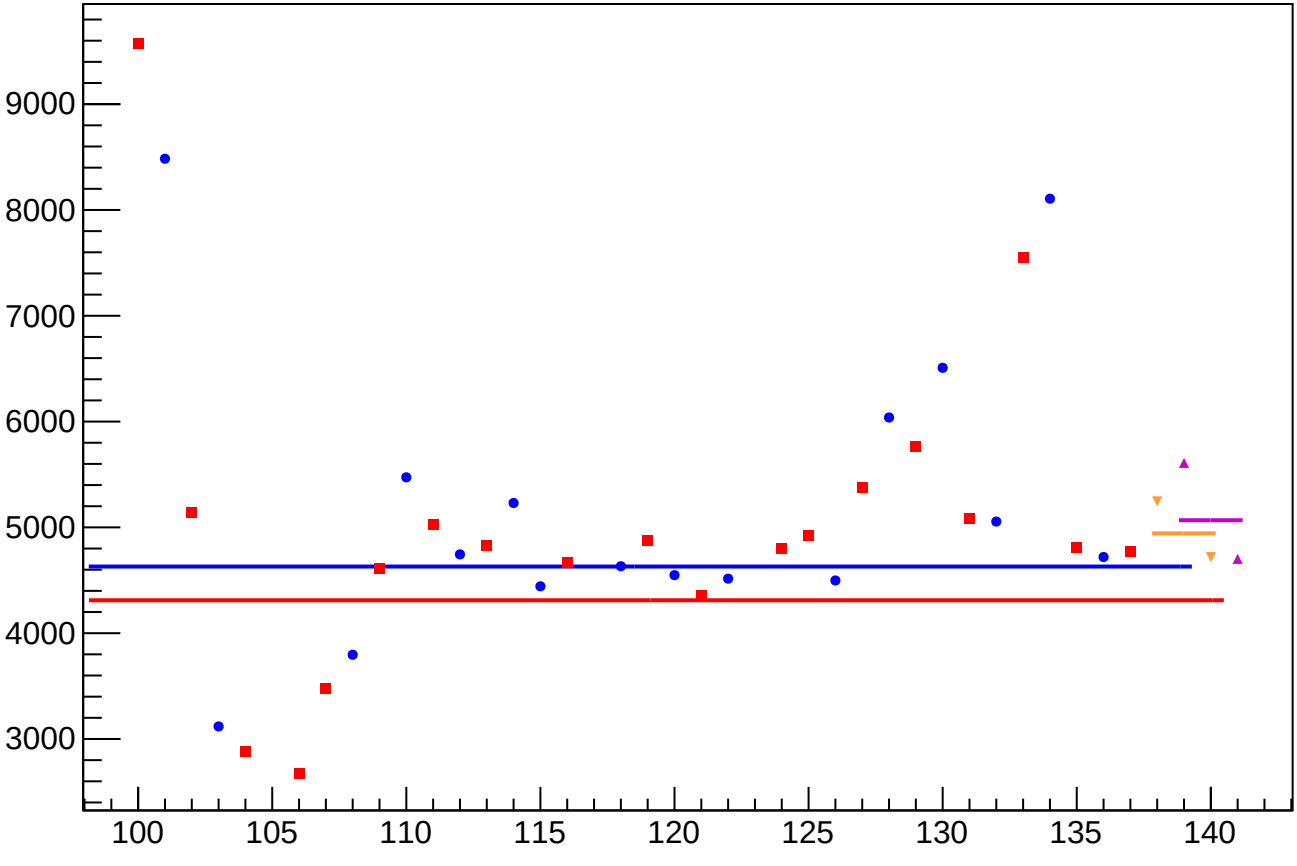
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 4686.177+/-1619.038 χ^2/NDF:13.1/17

Out: 1814.912+/-1536.862 χ^2/NDF:17.7/20

All: 3175.831+/-1114.645 χ^2/NDF: 32.5/38

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4943.350+/-2.760 χ^2/NDF:8898.6/1

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 5067.791+/-2.740 χ^2/NDF:26370.0/1

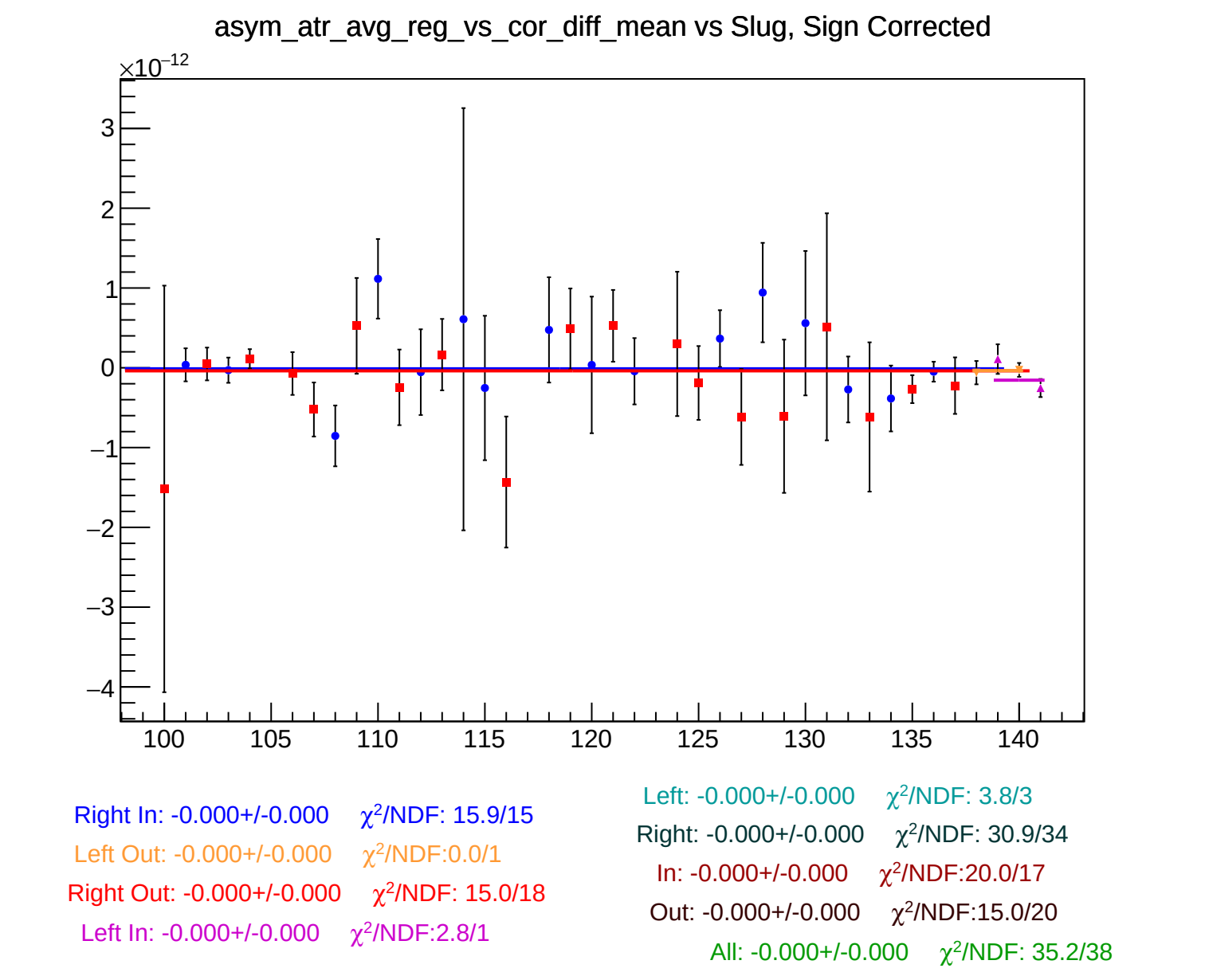
Left: 5006.029+/-1.945 χ^2/NDF: 36292.3/3

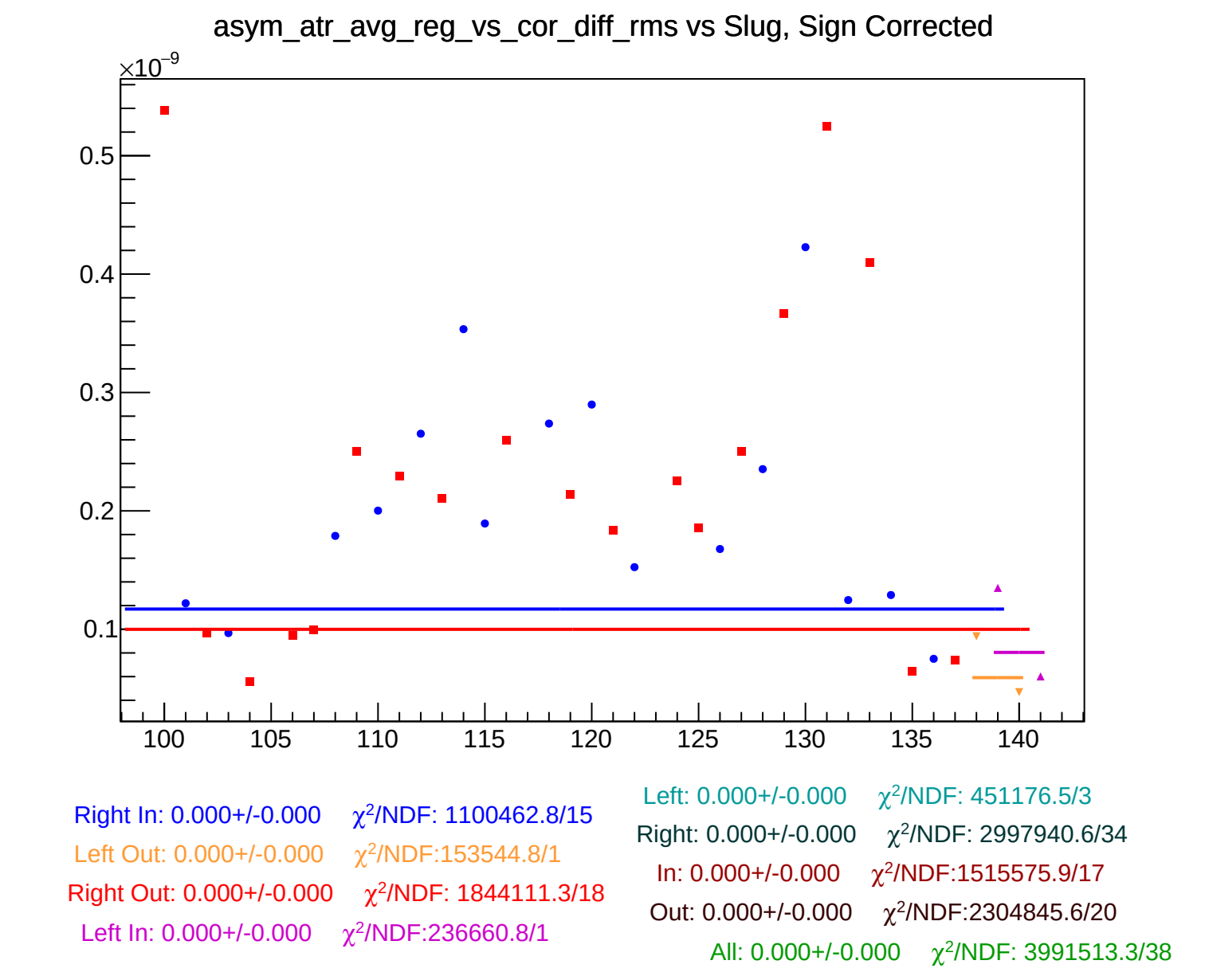
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

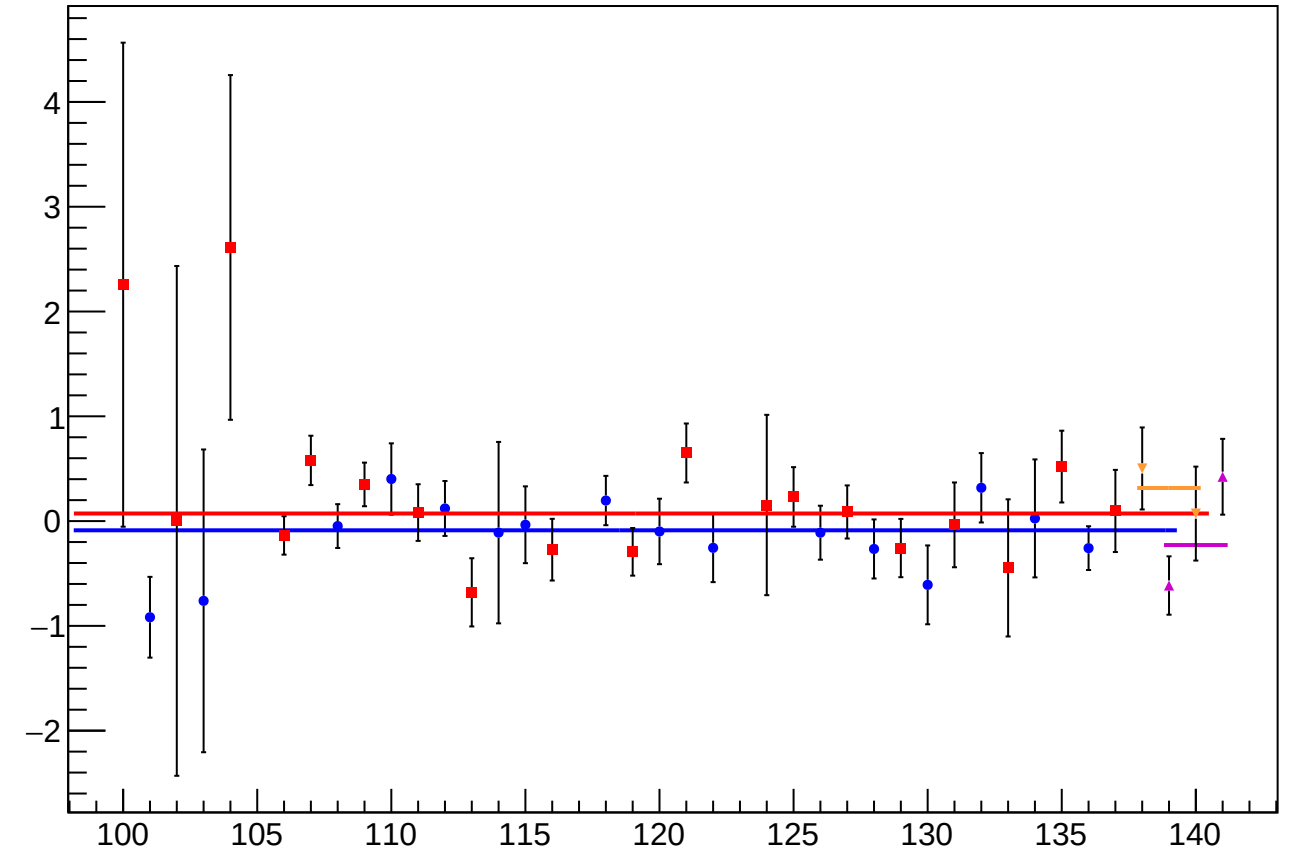
In: 4706.395+/-1.145 χ^2/NDF:947690.4/17

Out: 4407.763+/-1.079 χ^2/NDF:958068.6/20

All: 4548.213+/-0.785 χ^2/NDF: 1941800.9/38


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:0.0/1
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:2.8/1
Left: -0.000+/-0.000 χ²/NDF: 3.8/3
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:20.0/17
Out: -0.000+/-0.000 χ²/NDF:15.0/20
All: -0.000+/-0.000 χ²/NDF: 35.2/38


asym_atr_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:153544.8/1
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:236660.8/1
Left: 0.000+/-0.000 χ²/NDF: 451176.5/3
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:1515575.9/17
Out: 0.000+/-0.000 χ²/NDF:2304845.6/20
All: 0.000+/-0.000 χ²/NDF: 3991513.3/38



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.316+/-0.295 χ^2/NDF:0.5/1

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.229+/-0.221 χ^2/NDF:5.2/1

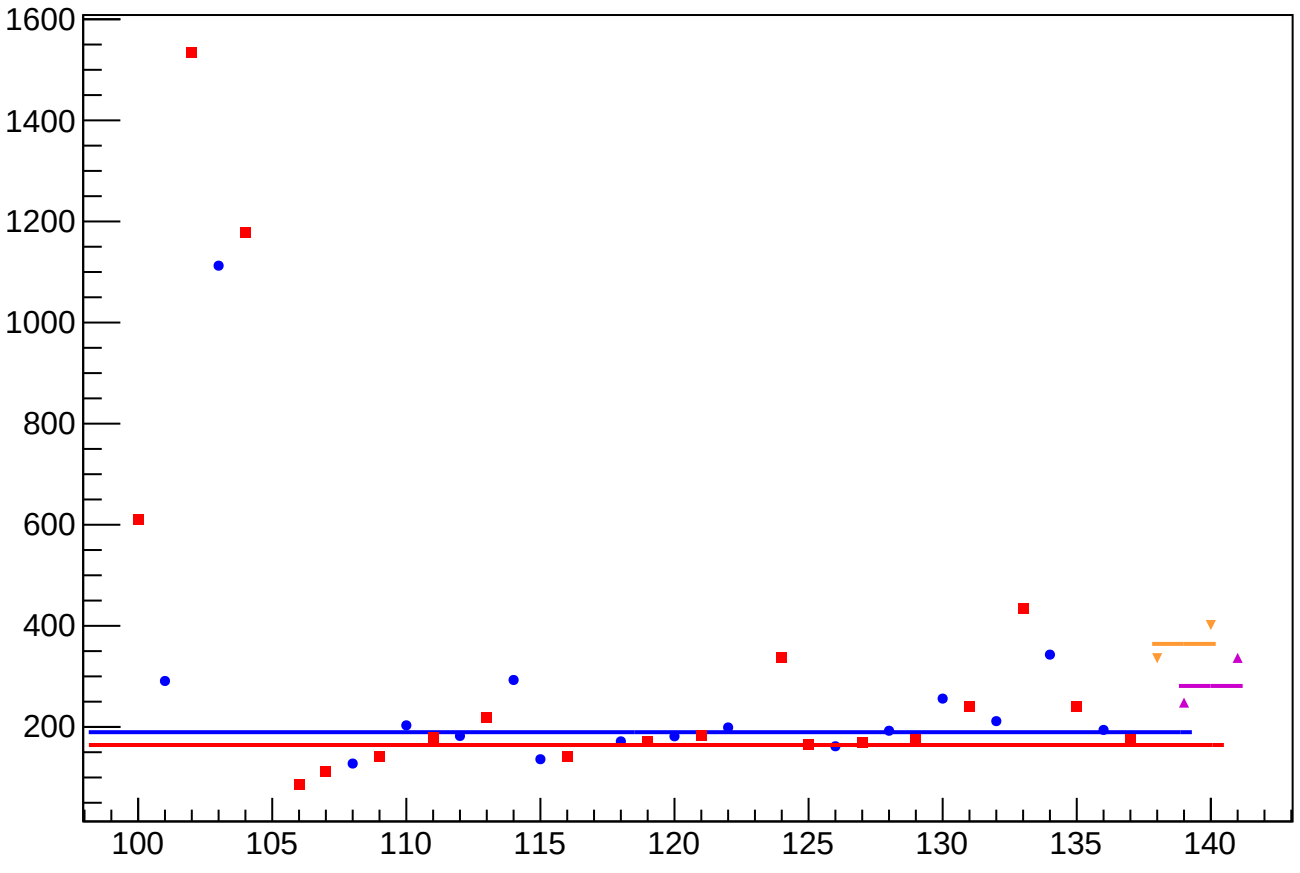
Left: -0.033+/-0.177 χ^2/NDF: 7.9/3

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.103+/-0.073 χ^2/NDF:19.4/17

Out: 0.085+/-0.068 χ^2/NDF:29.8/20

All: -0.003+/-0.050 χ^2/NDF: 52.8/38



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 364.292+/-0.208 χ^2/NDF:24290.6/1

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 281.110+/-0.156 χ^2/NDF:75125.0/1

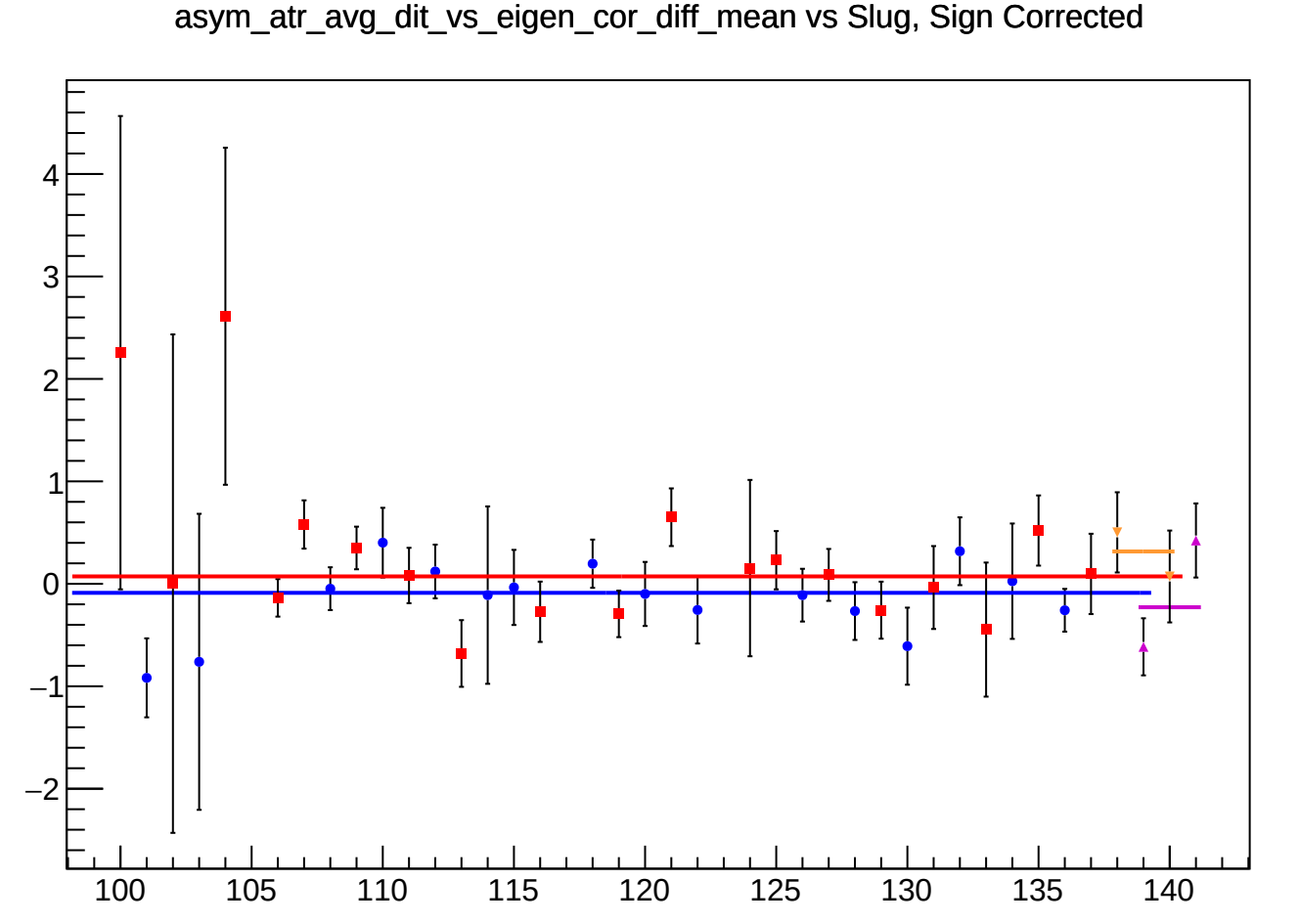
Left: 310.977+/-0.125 χ^2/NDF: 201464.1/3

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 199.505+/-0.051 χ^2/NDF:1847239.2/17

Out: 174.965+/-0.048 χ^2/NDF:3539113.4/20

All: 186.470+/-0.035 χ^2/NDF: 5508051.8/38



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.316+/-0.295 χ^2/NDF:0.5/1

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.229+/-0.221 χ^2/NDF:5.2/1

Left: -0.033+/-0.177 χ^2/NDF: 7.9/3

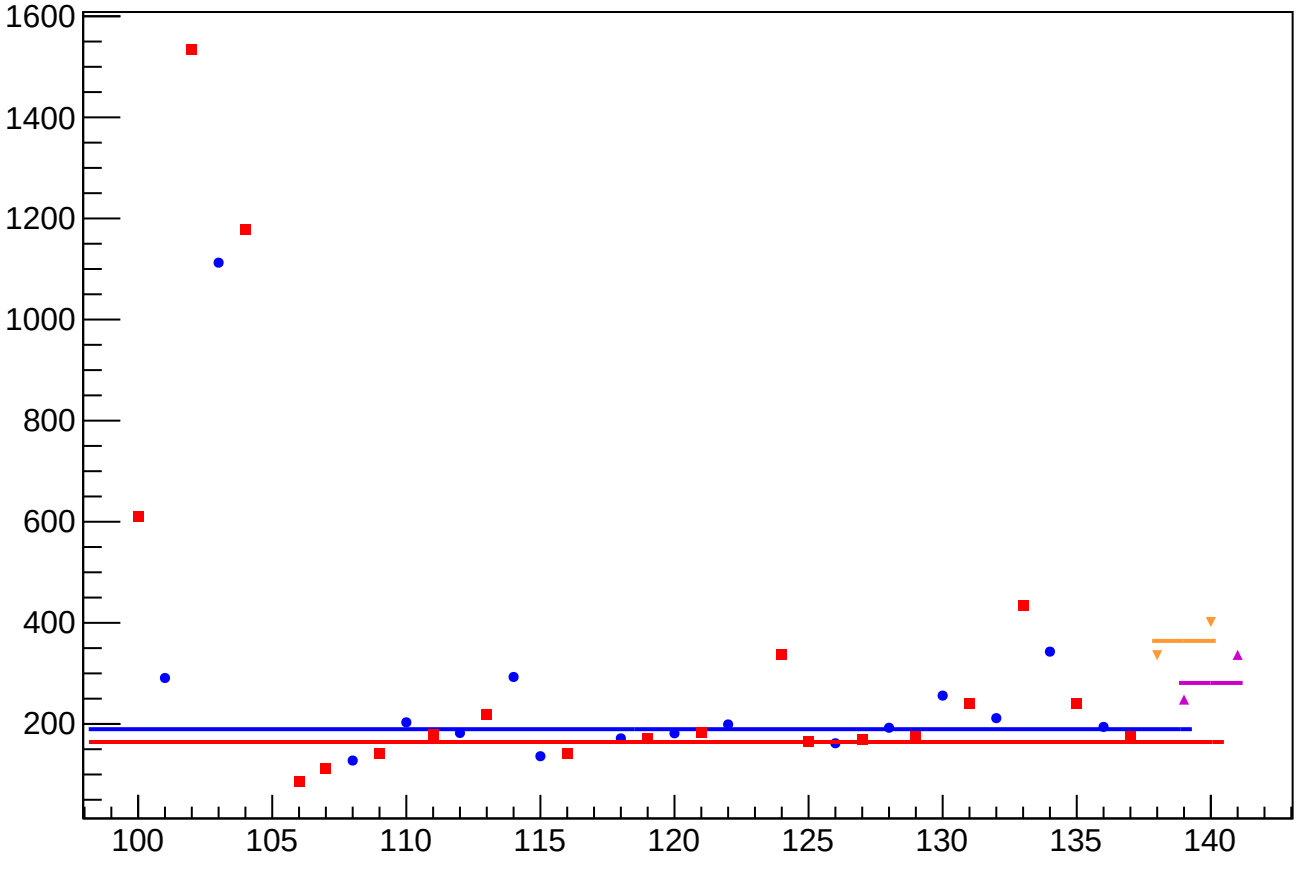
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.103+/-0.073 χ^2/NDF:19.4/17

Out: 0.085+/-0.068 χ^2/NDF:29.8/20

All: -0.003+/-0.050 χ^2/NDF: 52.8/38

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 364.292+/-0.208 χ^2/NDF:24290.6/1

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 281.110+/-0.156 χ^2/NDF:75125.0/1

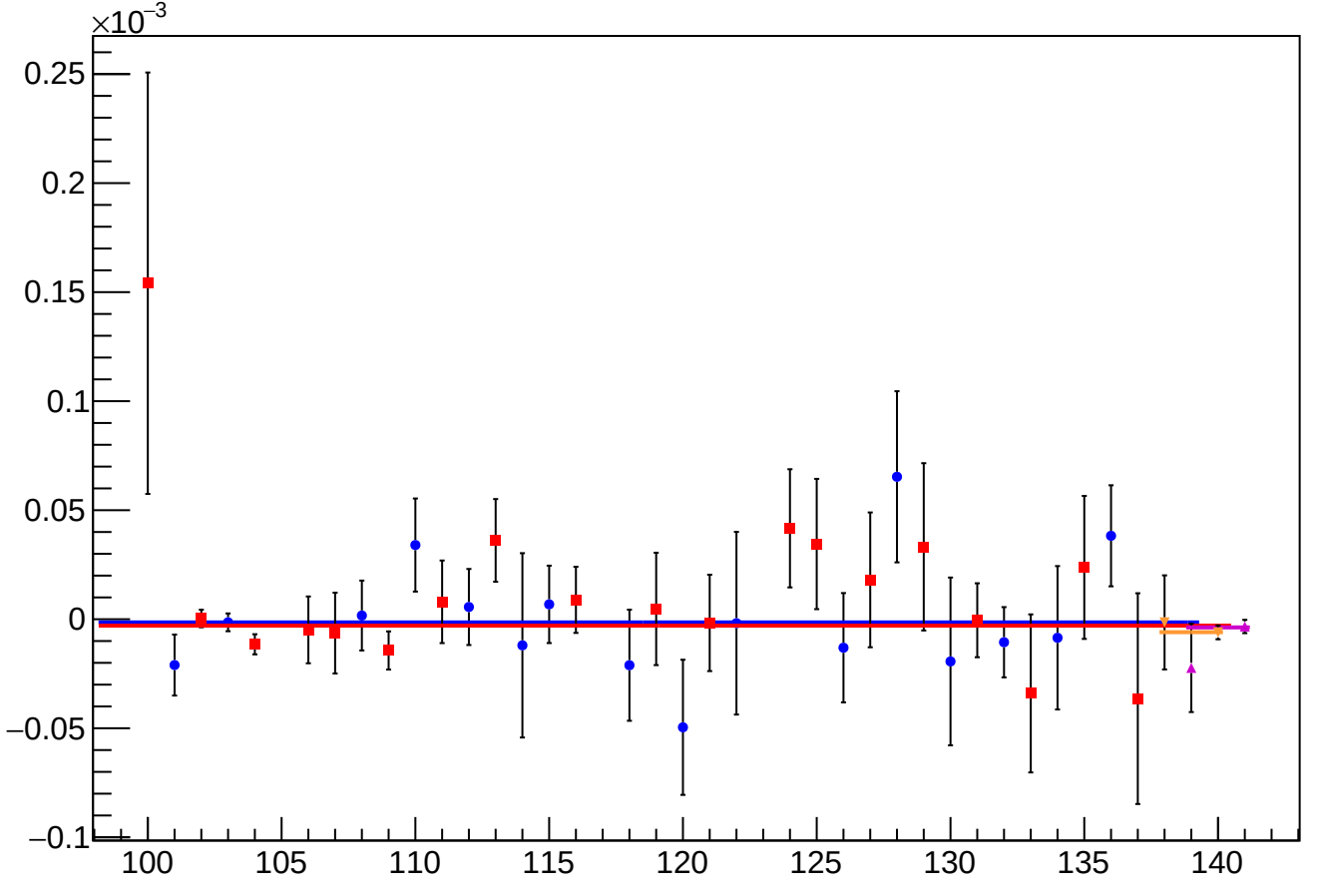
Left: 310.977+/-0.125 χ^2/NDF: 201464.1/3

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 199.505+/-0.051 χ^2/NDF:1847239.2/17

Out: 174.965+/-0.048 χ^2/NDF:3539113.4/20

All: 186.470+/-0.035 χ^2/NDF: 5508051.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

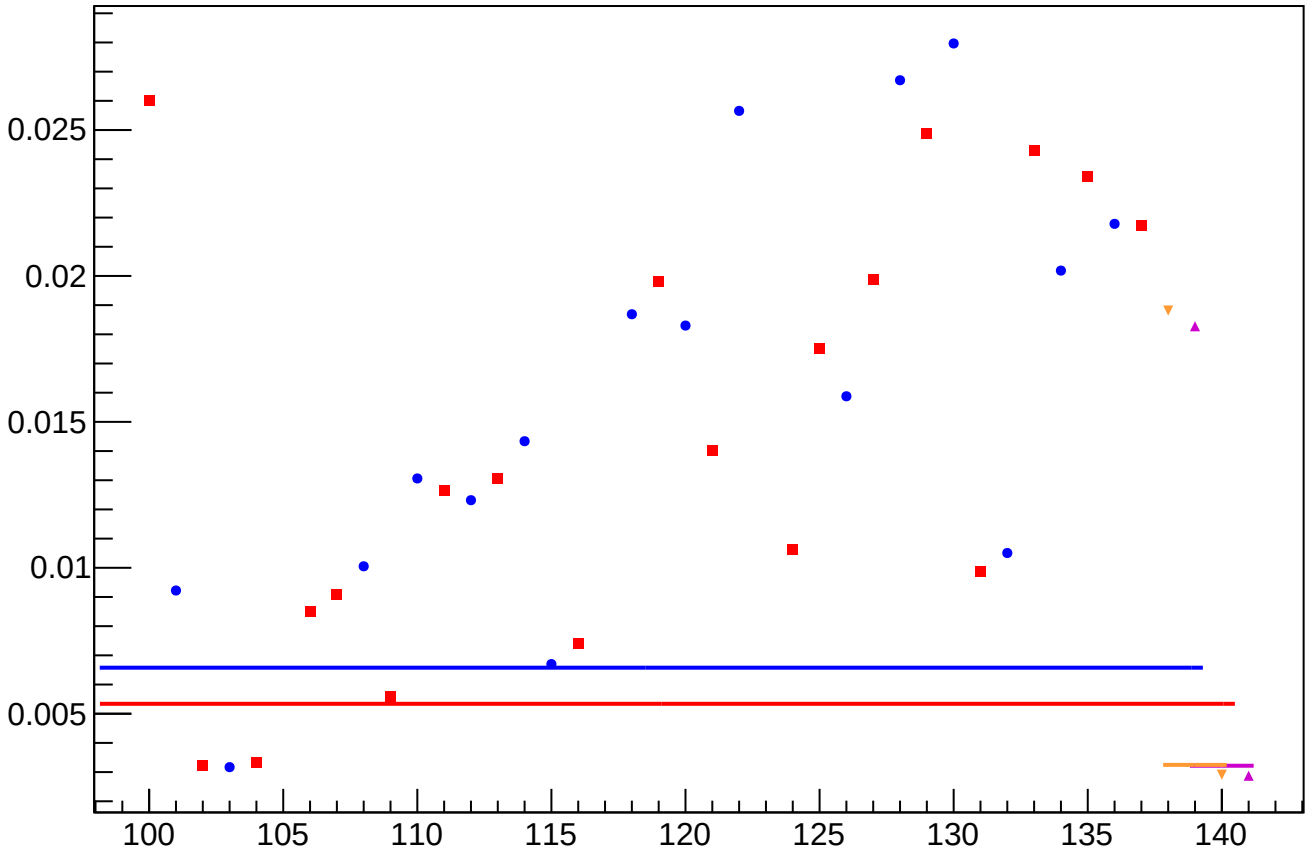
Left: -0.000+/-0.000 χ^2/NDF: 1.2/3

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:16.0/17

Out: -0.000+/-0.000 χ^2/NDF:21.9/20

All: -0.000+/-0.000 χ^2/NDF: 38.1/38



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:1063507.5/1

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1128866.2/1

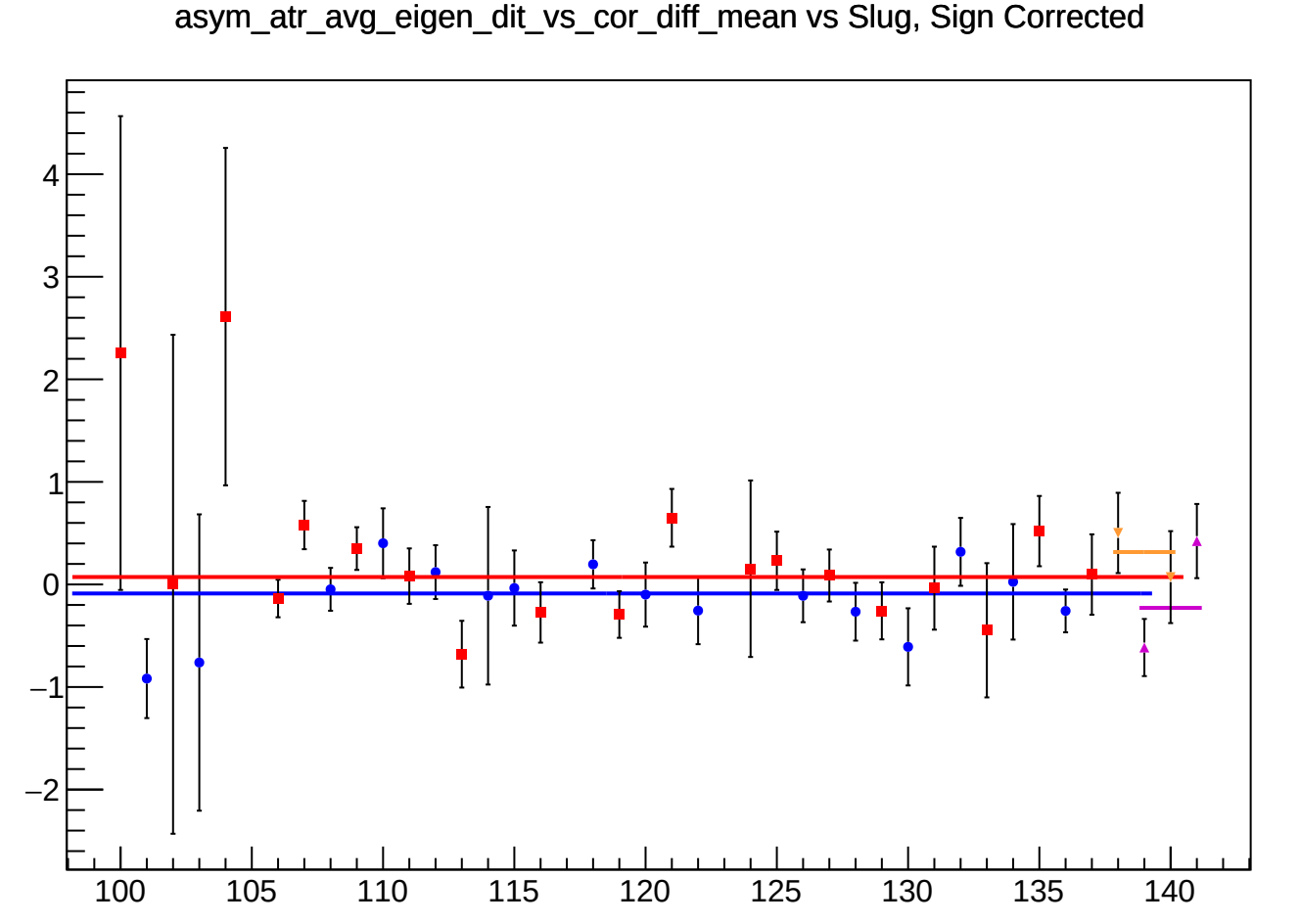
Left: 0.003+/-0.000 χ^2/NDF: 2192461.5/3

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.005+/-0.000 χ^2/NDF:8178470.6/17

Out: 0.005+/-0.000 χ^2/NDF:7282640.6/20

All: 0.005+/-0.000 χ^2/NDF: 15474304.6/38



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.316+/-0.295 χ^2/NDF:0.5/1

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.229+/-0.221 χ^2/NDF:5.2/1

Left: -0.033+/-0.177 χ^2/NDF: 7.9/3

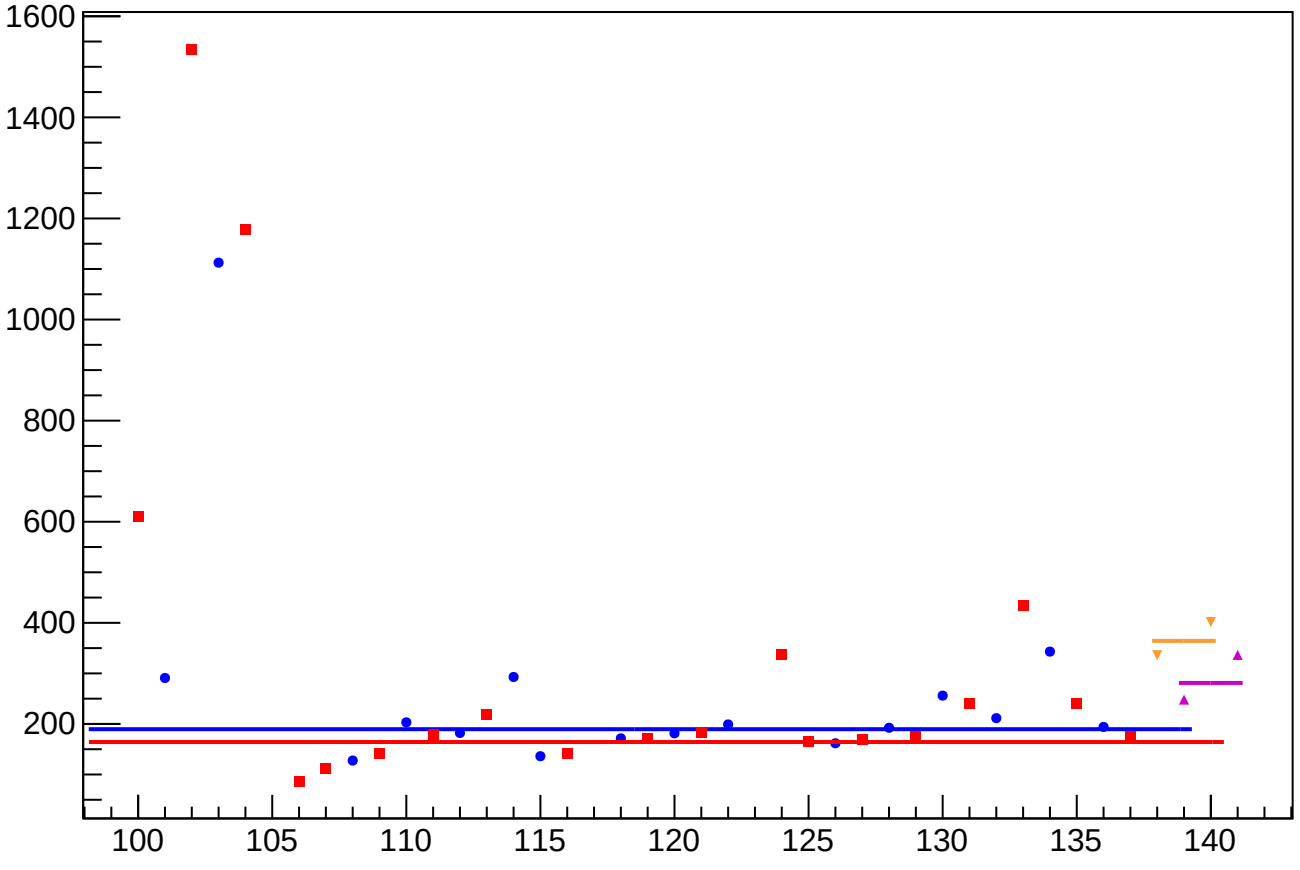
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.103+/-0.073 χ^2/NDF:19.4/17

Out: 0.085+/-0.068 χ^2/NDF:29.8/20

All: -0.003+/-0.050 χ^2/NDF: 52.8/38

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 364.295+/-0.208 χ^2/NDF:24285.7/1

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 281.113+/-0.156 χ^2/NDF:75116.2/1

Left: 310.981+/-0.125 χ^2/NDF: 201449.4/3

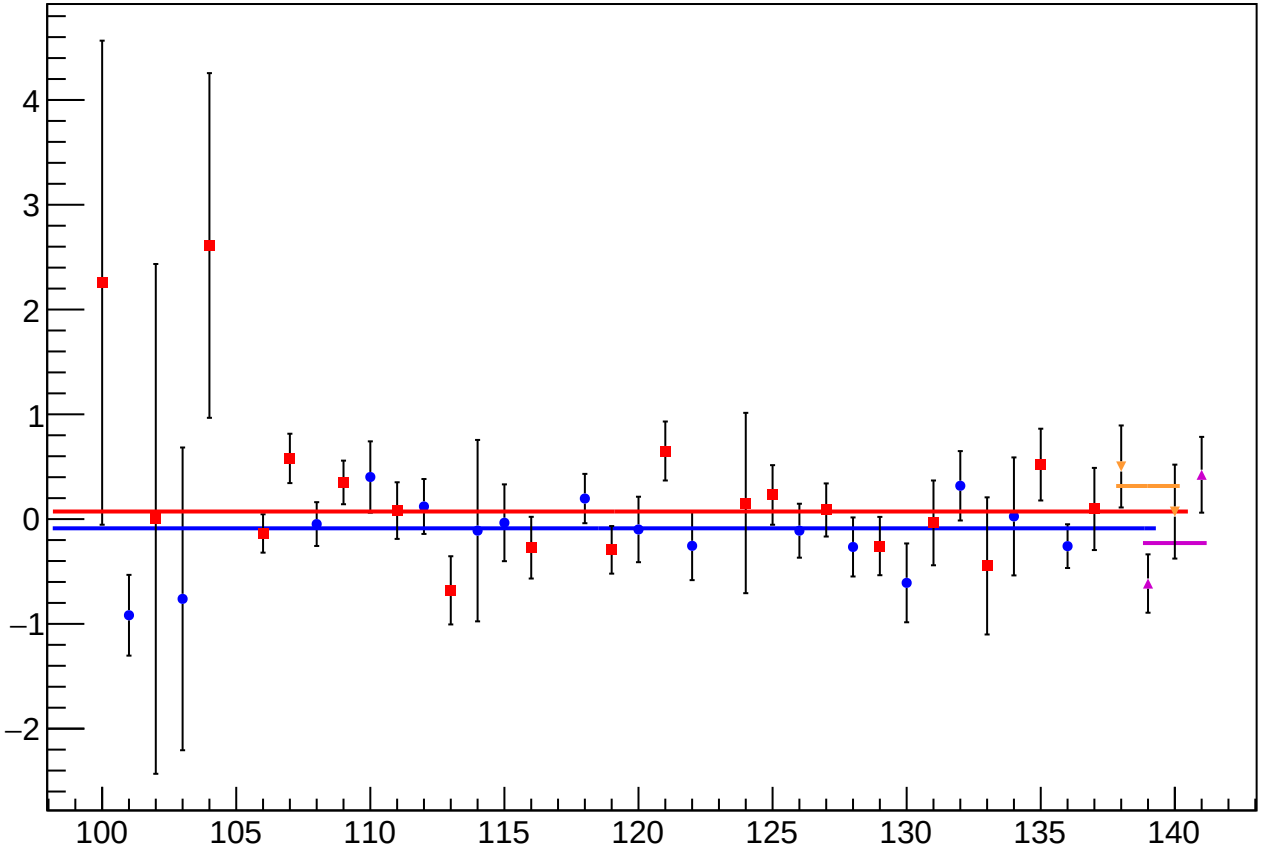
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 199.505+/-0.051 χ^2/NDF:1847237.8/17

Out: 174.964+/-0.048 χ^2/NDF:3539107.5/20

All: 186.469+/-0.035 χ^2/NDF: 5508047.6/38

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.316+/-0.295 χ^2/NDF:0.5/1

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.229+/-0.221 χ^2/NDF:5.2/1

Left: -0.033+/-0.177 χ^2/NDF: 7.9/3

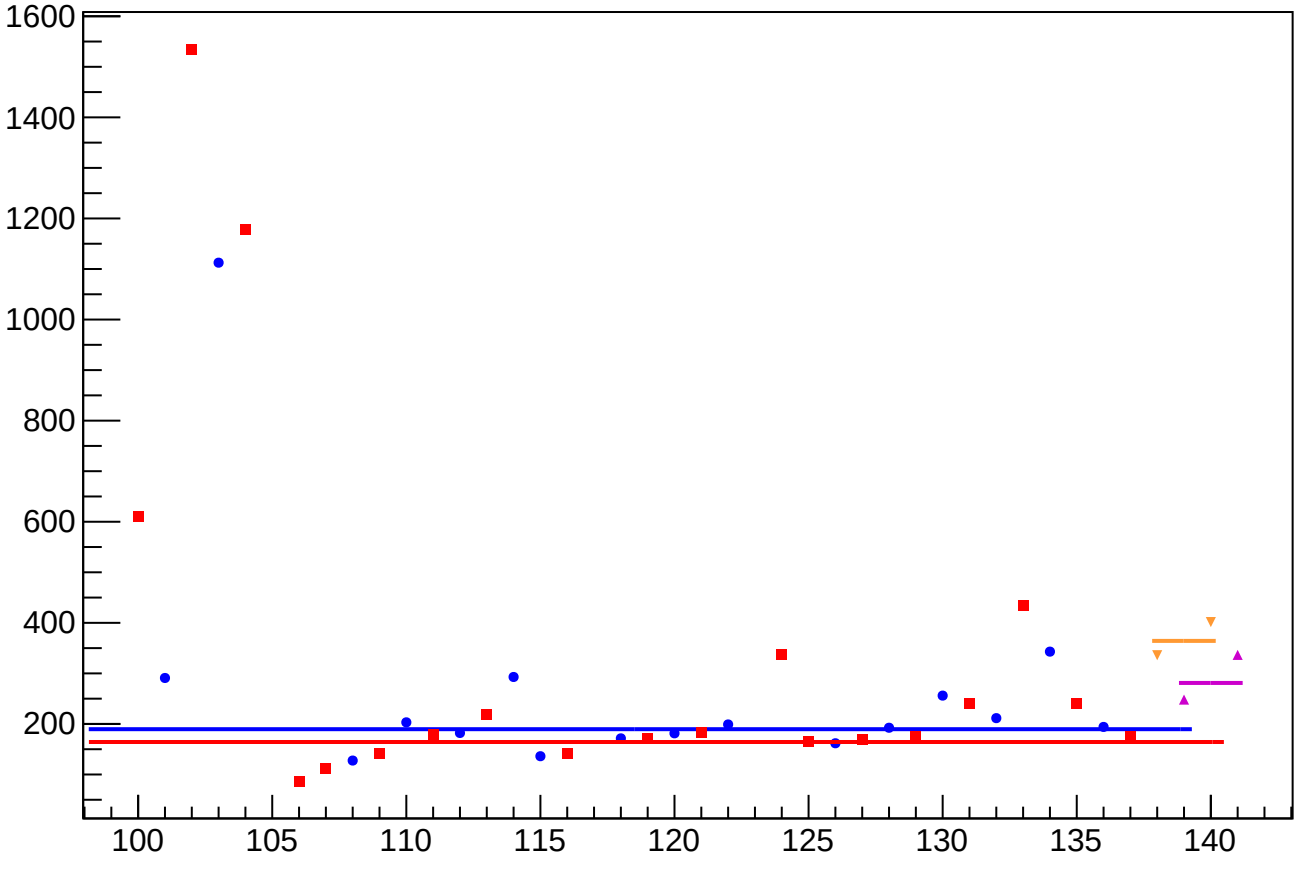
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.103+/-0.073 χ^2/NDF:19.4/17

Out: 0.085+/-0.068 χ^2/NDF:29.8/20

All: -0.003+/-0.050 χ^2/NDF: 52.8/38

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 364.295+/-0.208 χ^2/NDF:24285.7/1

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 281.113+/-0.156 χ^2/NDF:75116.2/1

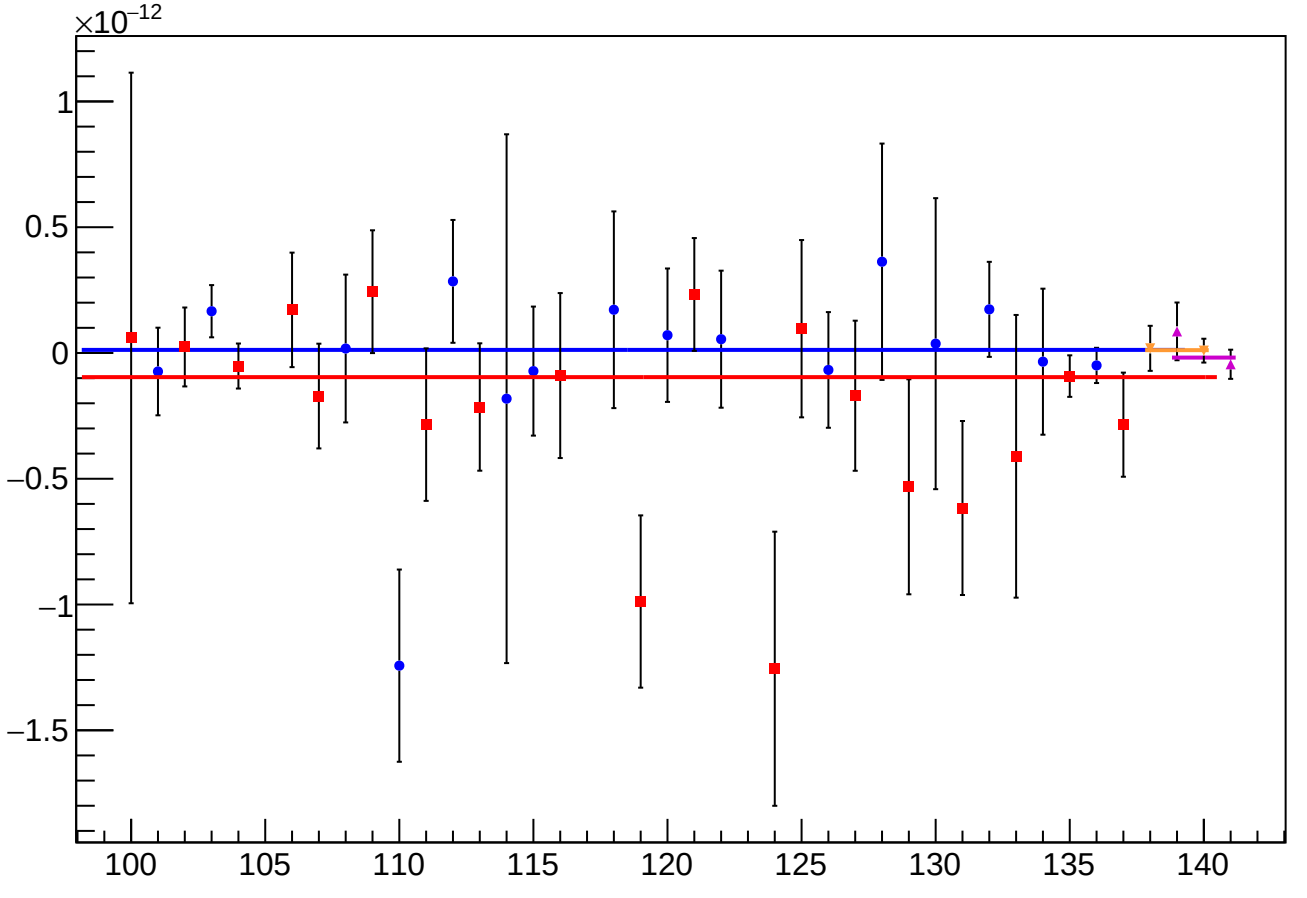
Left: 310.981+/-0.125 χ^2/NDF: 201449.4/3

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 199.505+/-0.051 χ^2/NDF:1847237.8/17

Out: 174.964+/-0.048 χ^2/NDF:3539107.5/20

All: 186.469+/-0.035 χ^2/NDF: 5508047.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

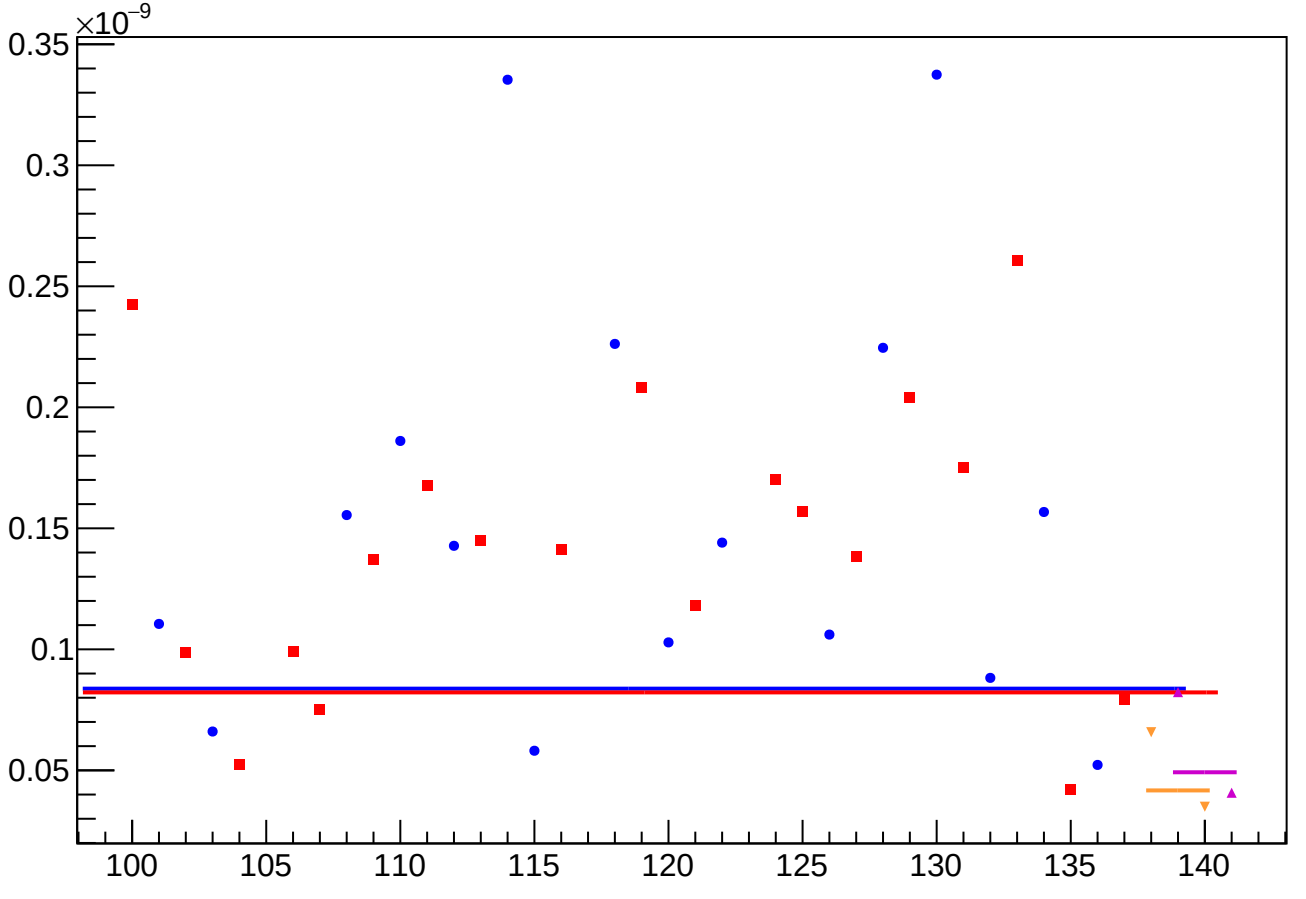
Left: -0.000+/-0.000 χ^2/NDF: 1.2/3

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:18.3/17

Out: -0.000+/-0.000 χ^2/NDF:26.2/20

All: -0.000+/-0.000 χ^2/NDF: 45.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:184644.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:209030.4/1

Left: 0.000+/-0.000 χ^2/NDF: 419046.1/3

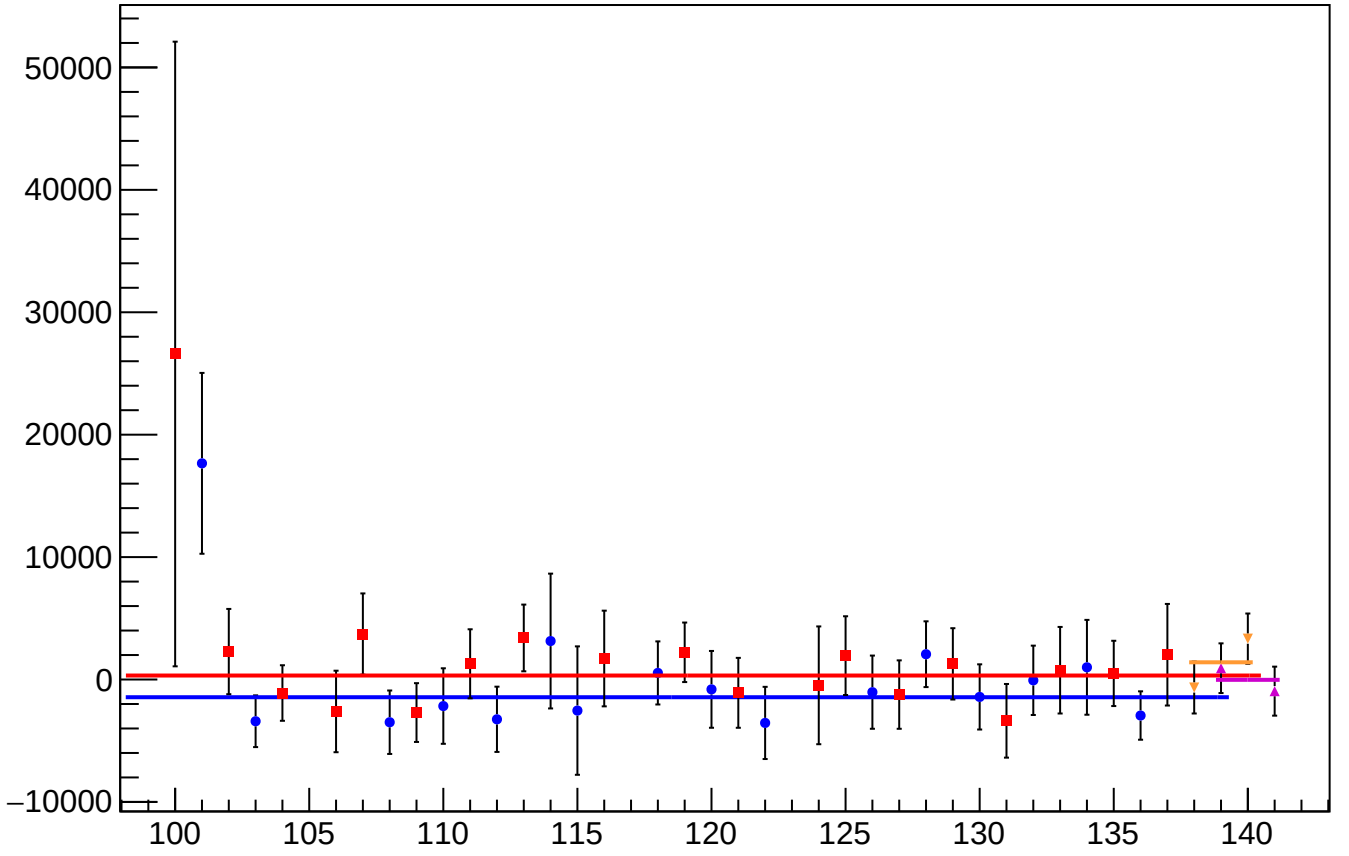
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:2820130.1/17

Out: 0.000+/-0.000 χ^2/NDF:3329698.3/20

All: 0.000+/-0.000 χ^2/NDF: 6211310.9/38

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1406.599+/-1475.622 χ^2/NDF:1.8/1

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -26.227+/-1425.044 χ^2/NDF:0.4/1

Left: 665.210+/-1025.073 χ^2/NDF: 2.7/3

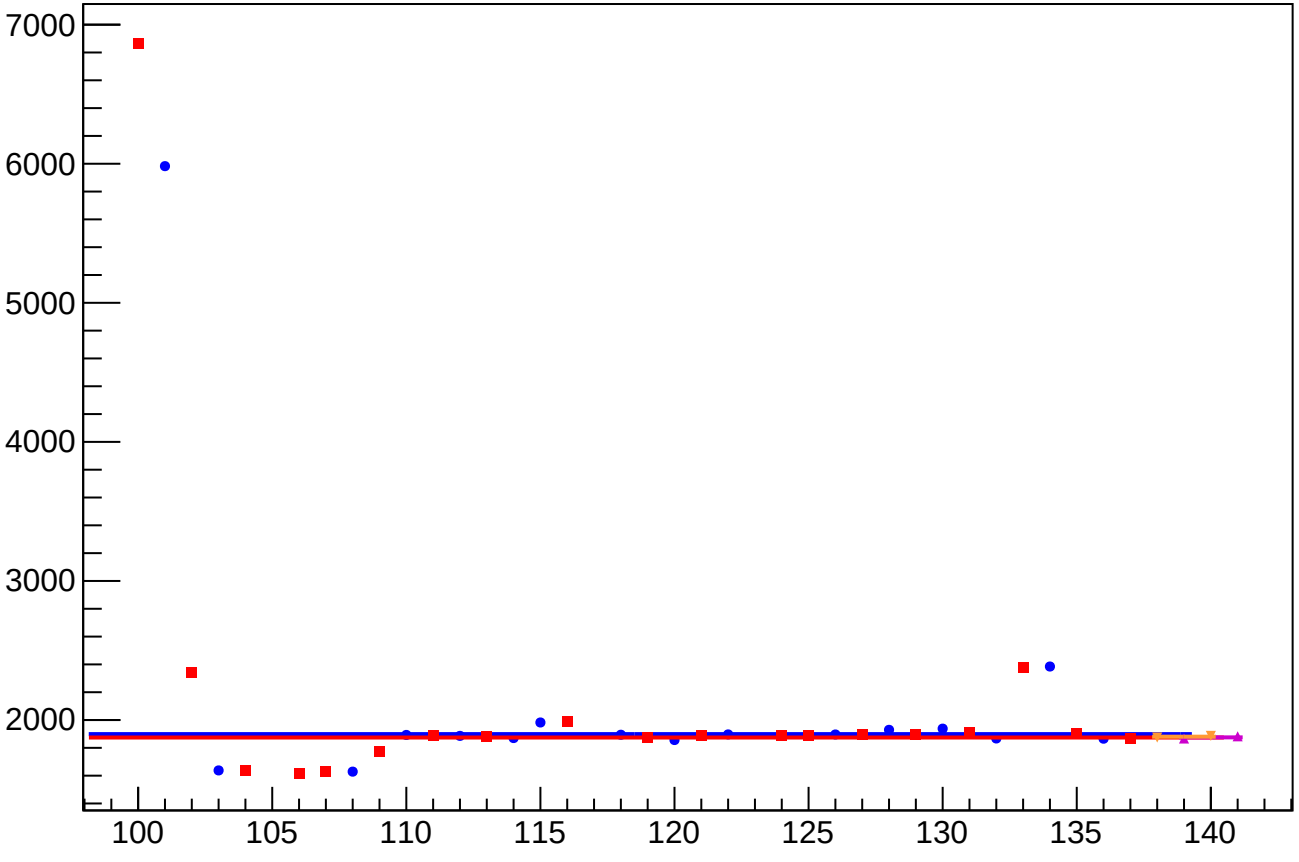
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -1155.700+/-644.863 χ^2/NDF:14.7/17

Out: 525.653+/-634.398 χ^2/NDF:12.2/20

All: -301.270+/-452.242 χ^2/NDF: 30.4/38

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1880.279+/-1.043 χ^2/NDF:31.3/1

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1875.303+/-1.008 χ^2/NDF:61.4/1

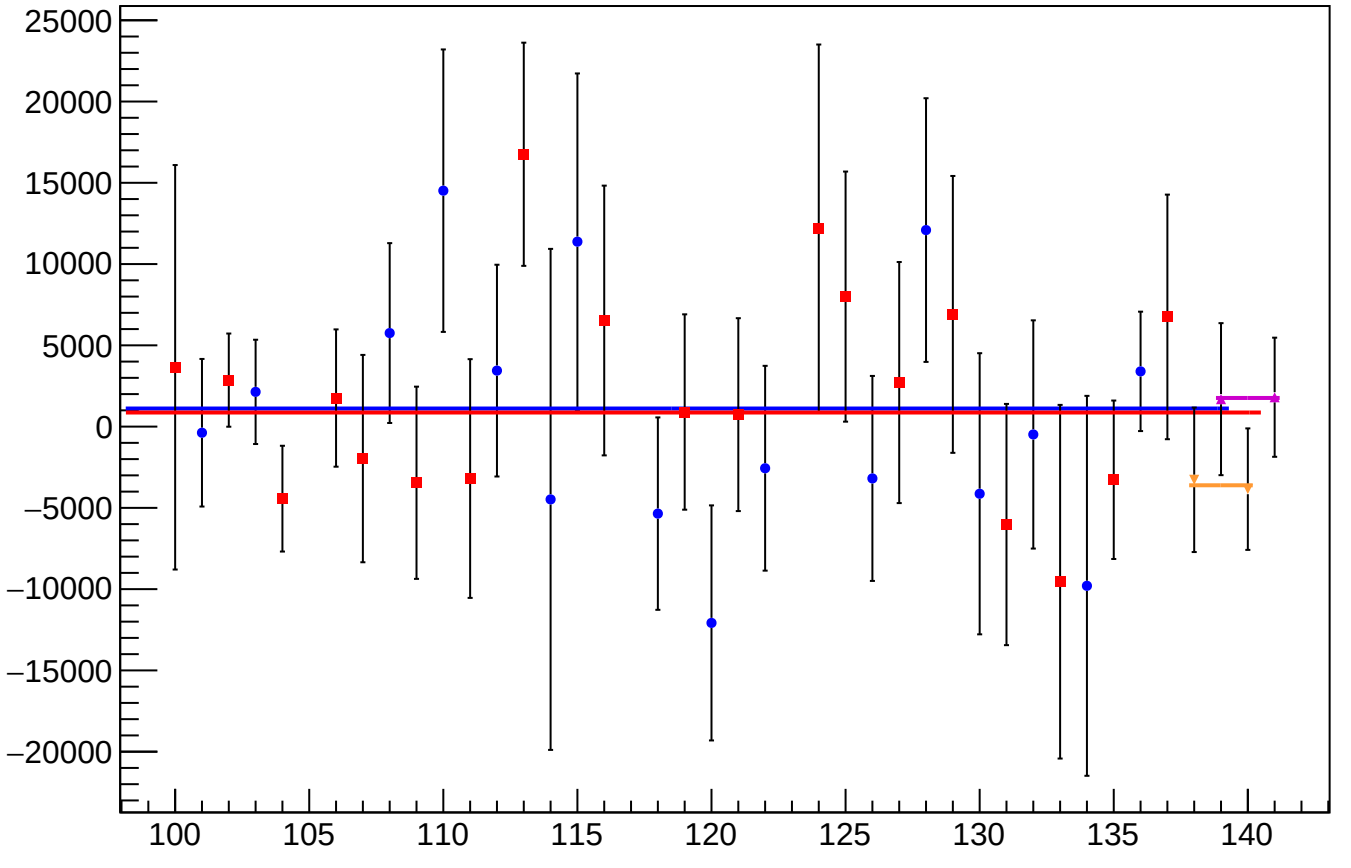
Left: 1877.704+/-0.725 χ^2/NDF: 104.4/3

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1894.009+/-0.456 χ^2/NDF:698009.0/17

Out: 1875.359+/-0.447 χ^2/NDF:207716.3/20

All: 1884.506+/-0.319 χ^2/NDF: 906577.6/38



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -3609.683+/-2860.494 χ^2/NDF:0.0/1

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: 1761.924+/-2884.461 χ^2/NDF:0.0/1

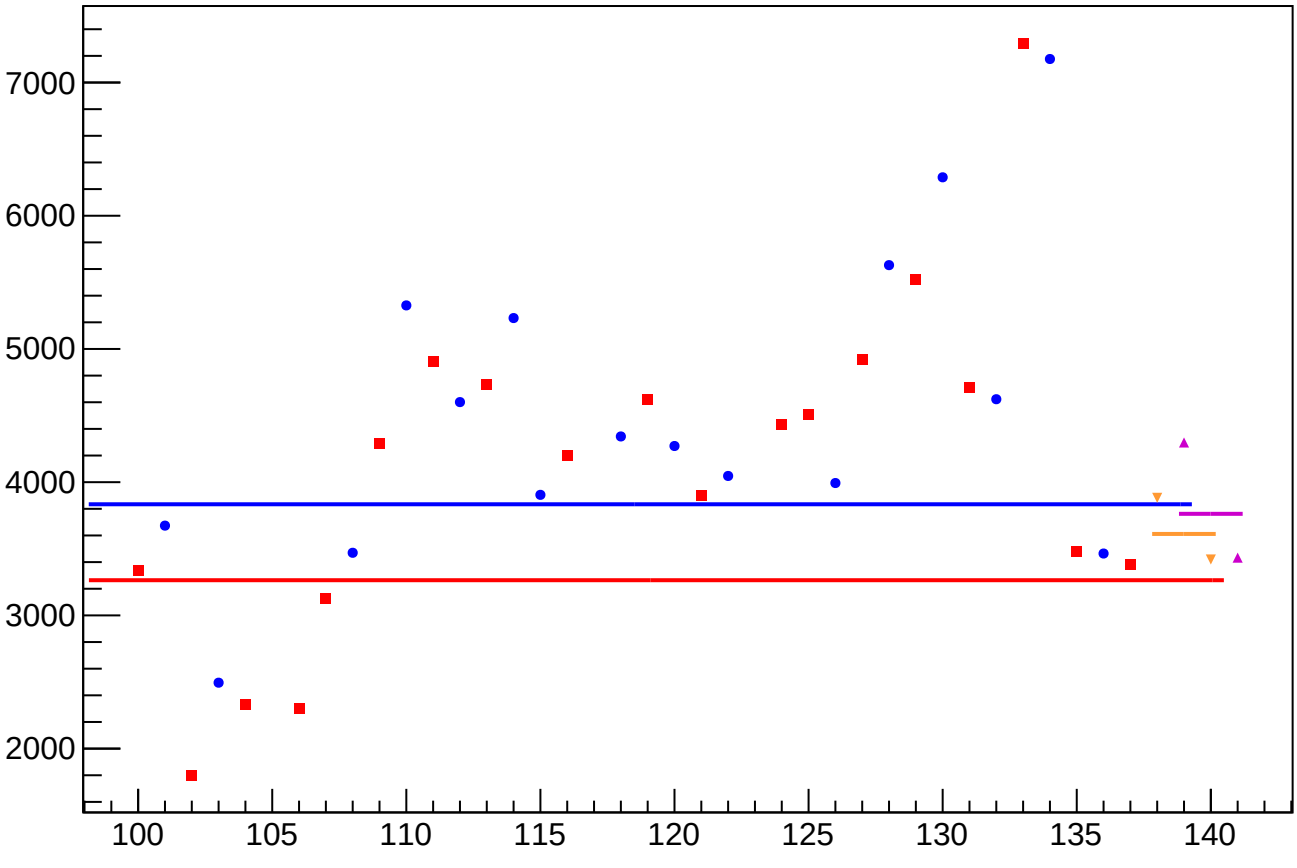
Left: -946.289+/-2031.095 χ^2/NDF: 1.8/3

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 1247.895+/-1316.266 χ^2/NDF:13.4/17

Out: 93.579+/-1188.954 χ^2/NDF:17.7/20

All: 612.228+/-882.303 χ^2/NDF: 31.5/38



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3611.435+/-2.023 χ^2/NDF:12708.1/1

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3762.431+/-2.040 χ^2/NDF:42340.5/1

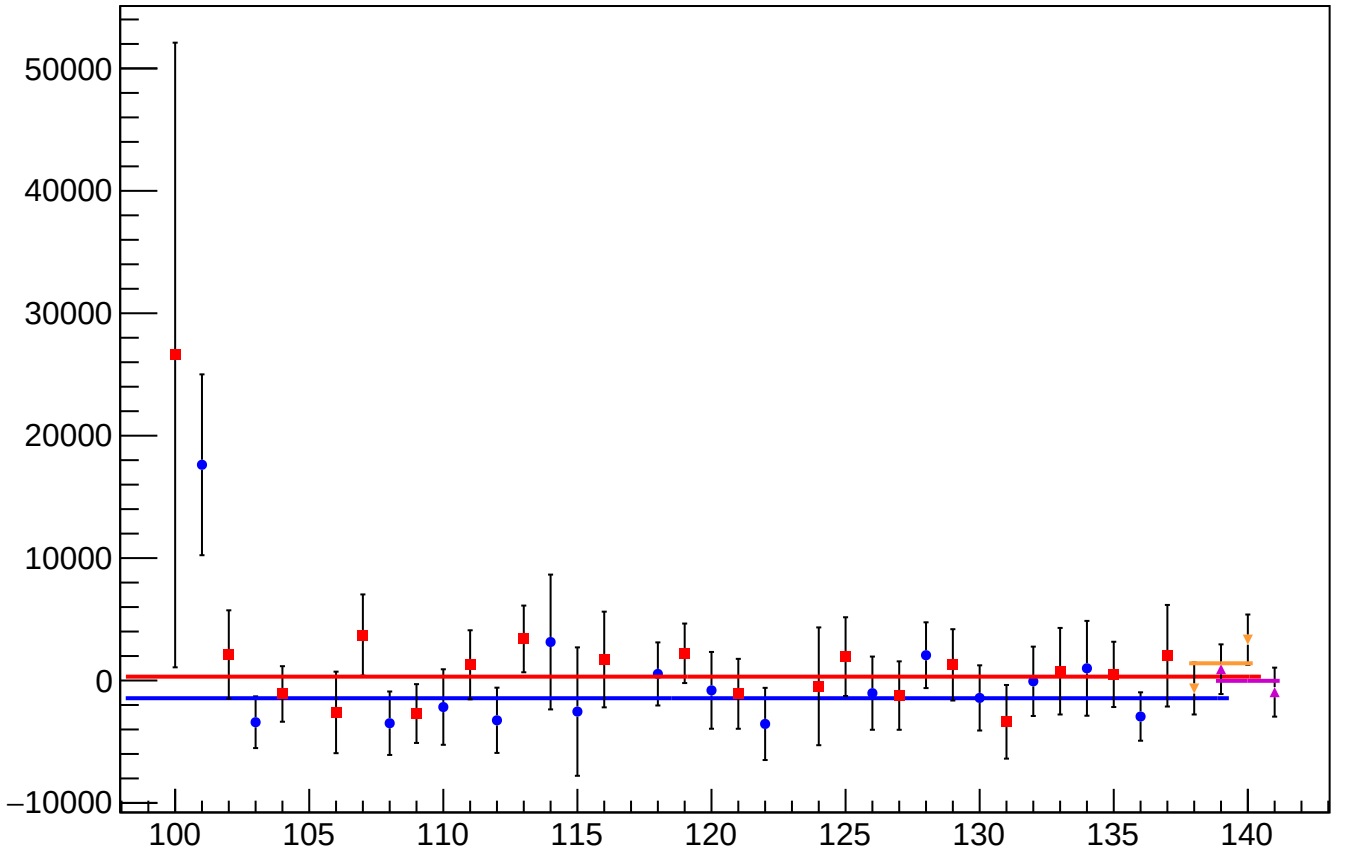
Left: 3686.303+/-1.436 χ^2/NDF: 57811.8/3

Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3819.226+/-0.931 χ^2/NDF:1000095.5/17

Out: 3324.115+/-0.841 χ^2/NDF:1901341.6/20

All: 3546.574+/-0.624 χ^2/NDF: 3057268.3/38



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1406.569+/-1475.622 χ^2/NDF:1.8/1

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -26.121+/-1425.044 χ^2/NDF:0.4/1

Left: 665.250+/-1025.073 χ^2/NDF: 2.7/3

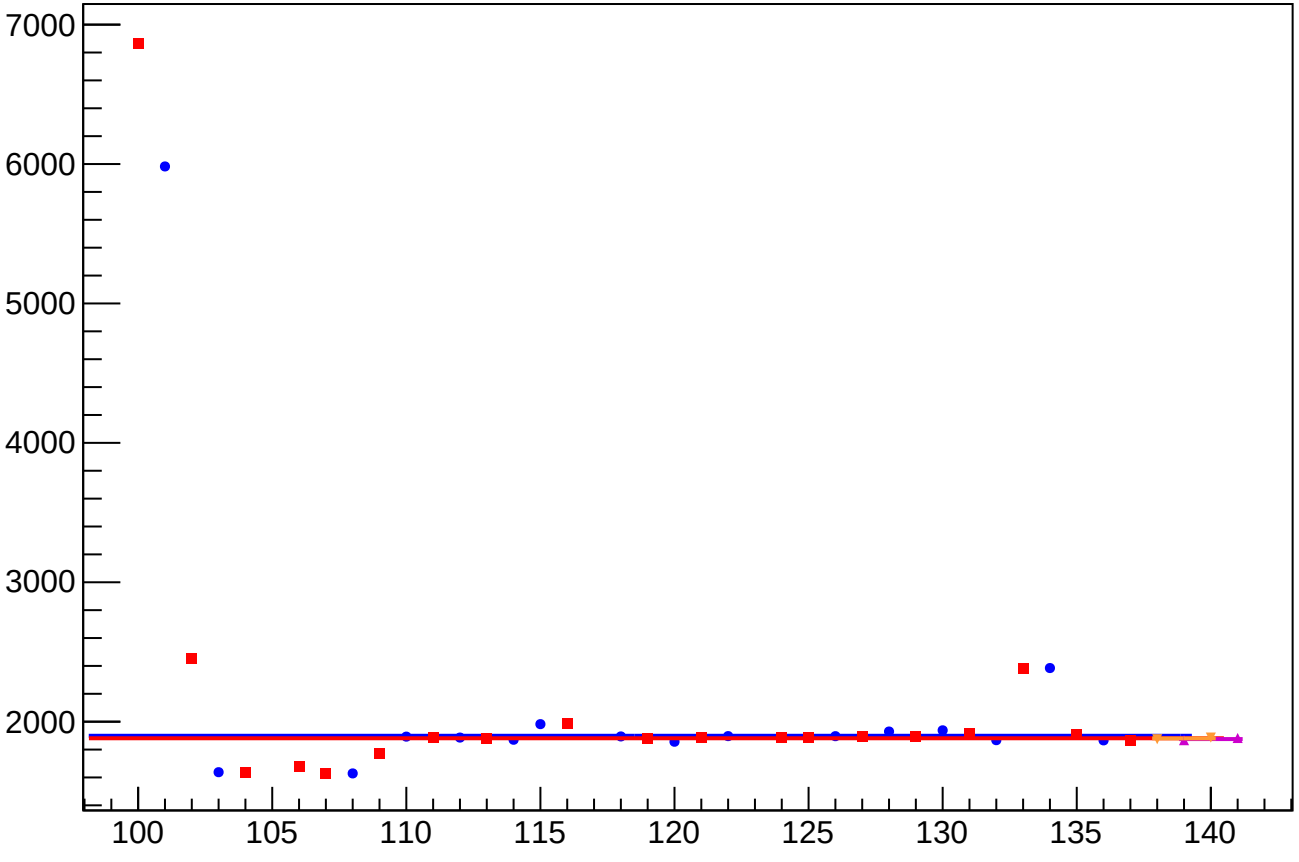
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -1155.985+/-644.863 χ^2/NDF:14.7/17

Out: 517.576+/-635.095 χ^2/NDF:12.1/20

All: -306.434+/-452.494 χ^2/NDF: 30.3/38

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1880.279+/-1.043 χ^2/NDF:31.3/1

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1875.303+/-1.008 χ^2/NDF:61.4/1

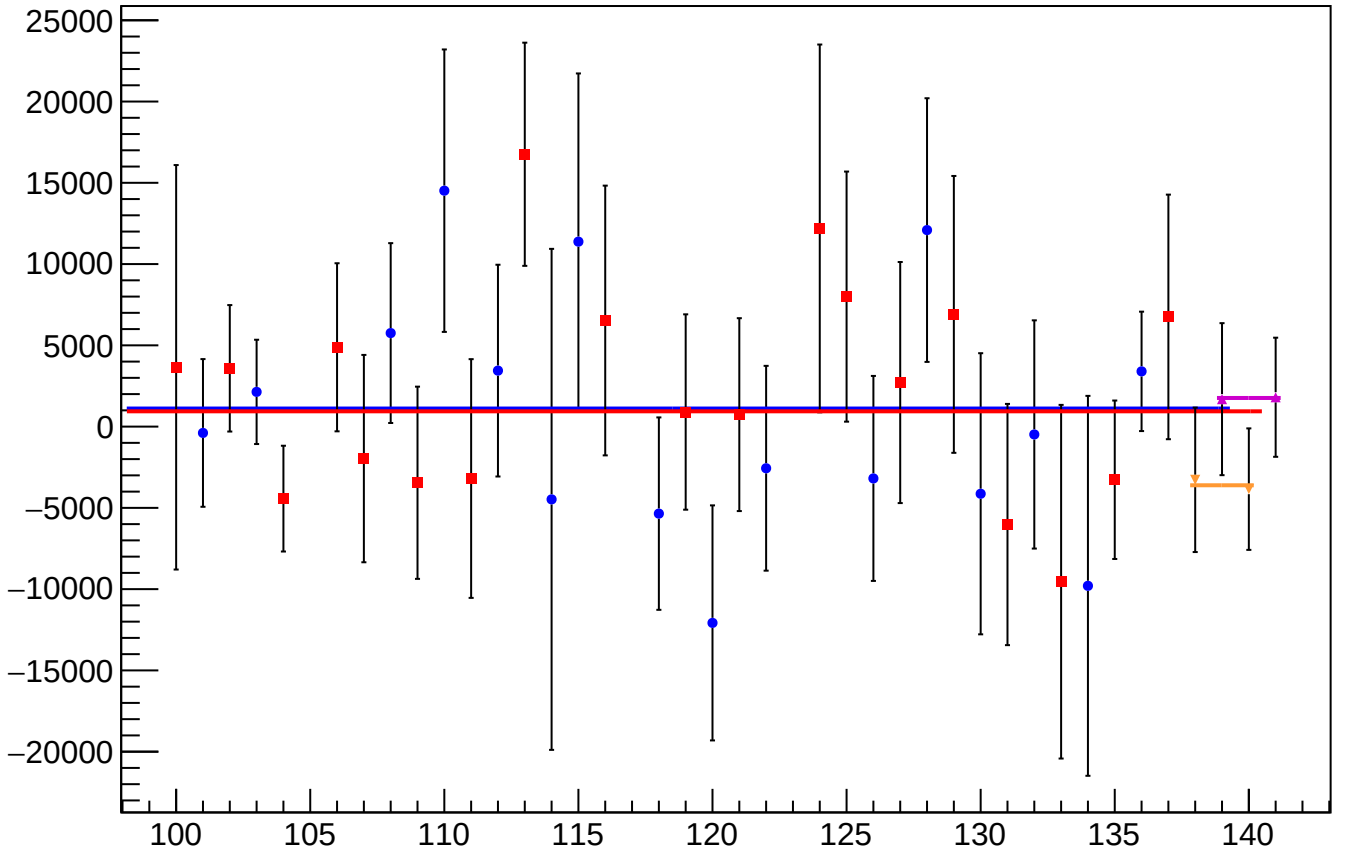
Left: 1877.704+/-0.725 χ^2/NDF: 104.4/3

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1894.009+/-0.456 χ^2/NDF:698009.1/17

Out: 1880.872+/-0.449 χ^2/NDF:216596.0/20

All: 1887.332+/-0.320 χ^2/NDF: 915027.0/38



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3609.500+/-2860.490 χ^2/NDF:0.0/1

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 1761.616+/-2884.452 χ^2/NDF:0.0/1

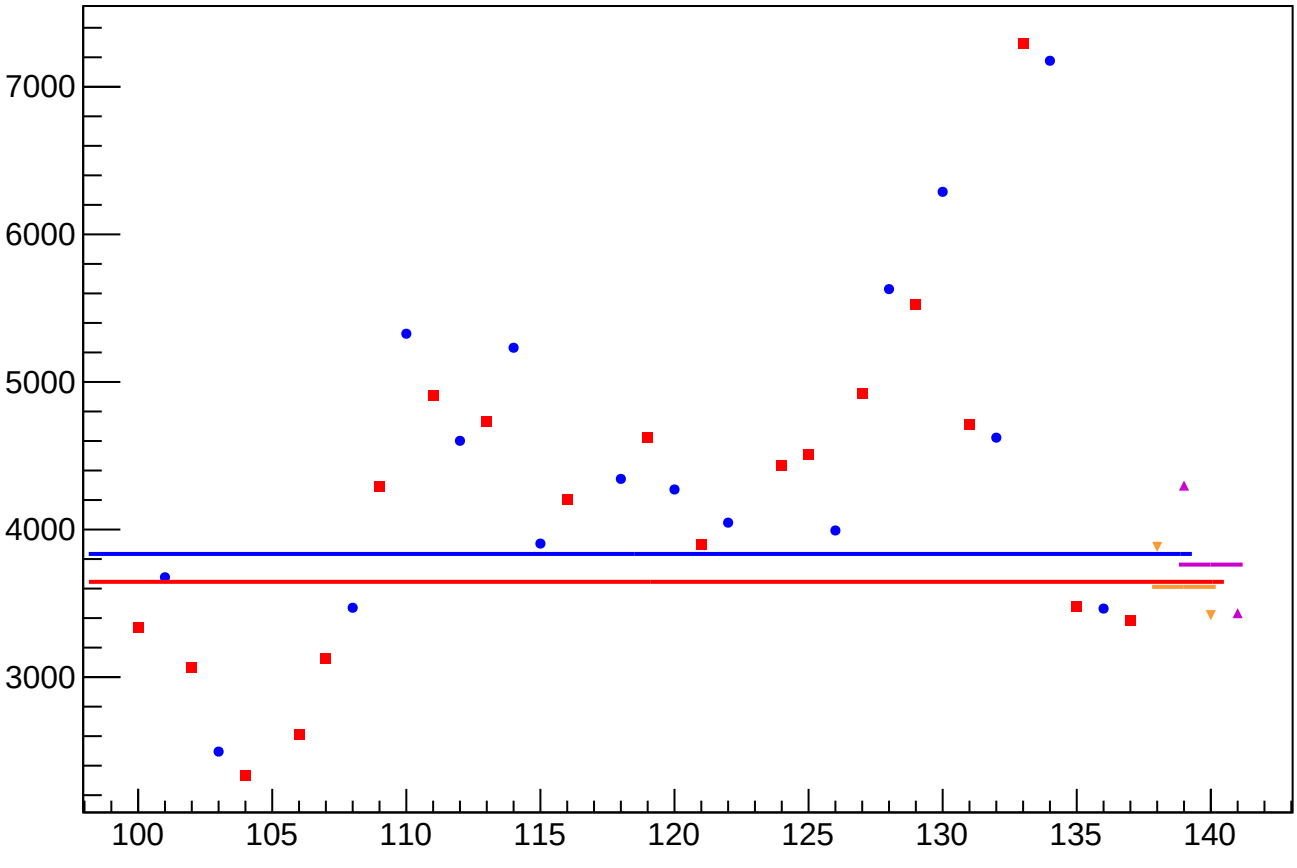
Left: -946.345+/-2031.091 χ^2/NDF: 1.8/3

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 1246.930+/-1316.387 χ^2/NDF:13.4/17

Out: 62.413+/-1256.741 χ^2/NDF:18.2/20

All: 627.229+/-909.005 χ^2/NDF: 32.1/38



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3611.431+/-2.023 χ^2/NDF:12708.9/1

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3762.420+/-2.040 χ^2/NDF:42339.6/1

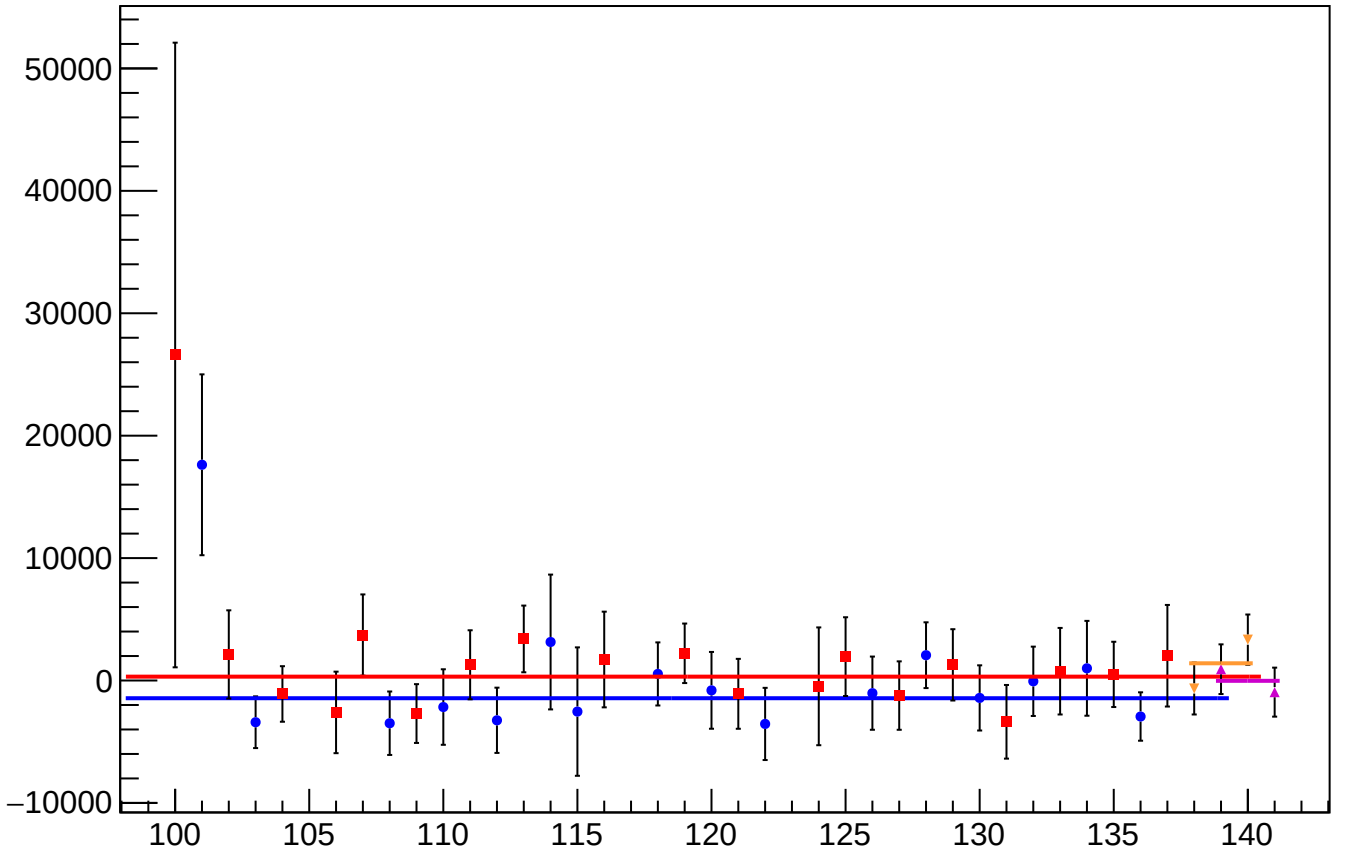
Left: 3686.296+/-1.436 χ^2/NDF: 57811.5/3

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3819.638+/-0.931 χ^2/NDF:999645.8/17

Out: 3639.077+/-0.889 χ^2/NDF:1137921.8/20

All: 3725.174+/-0.643 χ^2/NDF: 2157253.4/38



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1406.569+/-1475.622 χ^2/NDF:1.8/1

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -26.121+/-1425.044 χ^2/NDF:0.4/1

Left: 665.250+/-1025.073 χ^2/NDF: 2.7/3

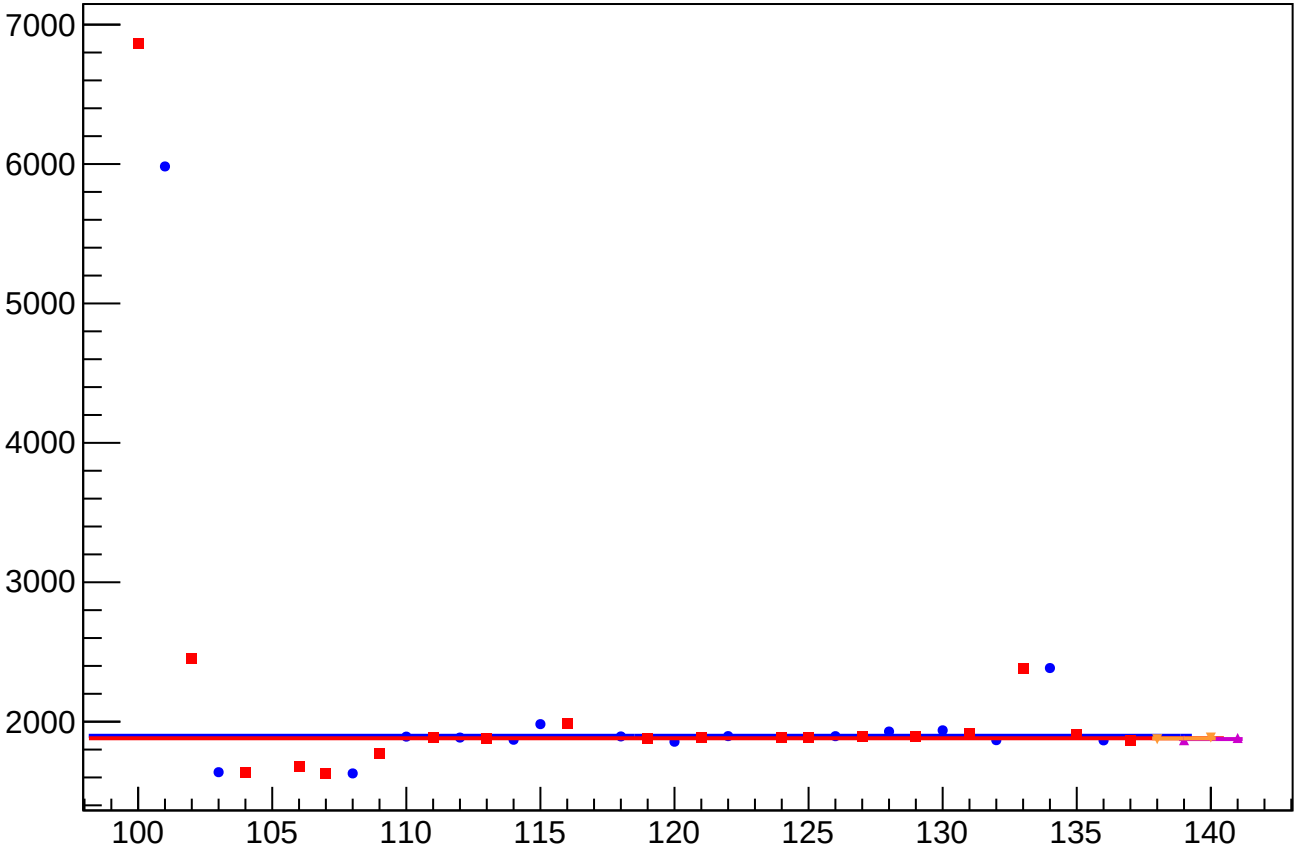
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -1155.985+/-644.863 χ^2/NDF:14.7/17

Out: 517.576+/-635.095 χ^2/NDF:12.1/20

All: -306.434+/-452.494 χ^2/NDF: 30.3/38

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1880.279+/-1.043 χ^2/NDF:31.3/1

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1875.303+/-1.008 χ^2/NDF:61.4/1

Left: 1877.704+/-0.725 χ^2/NDF: 104.4/3

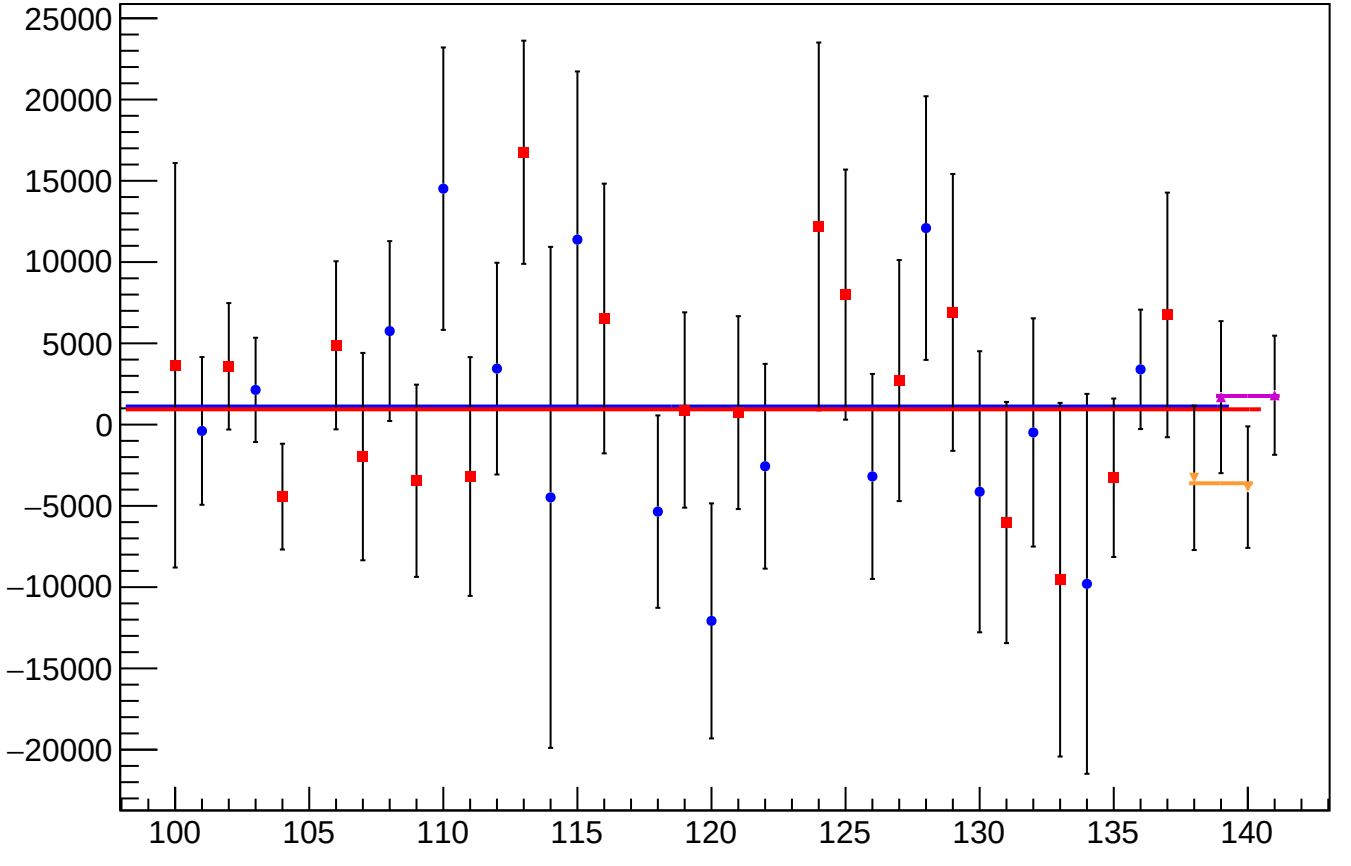
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1894.009+/-0.456 χ^2/NDF:698009.1/17

Out: 1880.872+/-0.449 χ^2/NDF:216596.0/20

All: 1887.332+/-0.320 χ^2/NDF: 915027.0/38

asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3609.500+/-2860.490 χ^2/NDF:0.0/1

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 1761.616+/-2884.452 χ^2/NDF:0.0/1

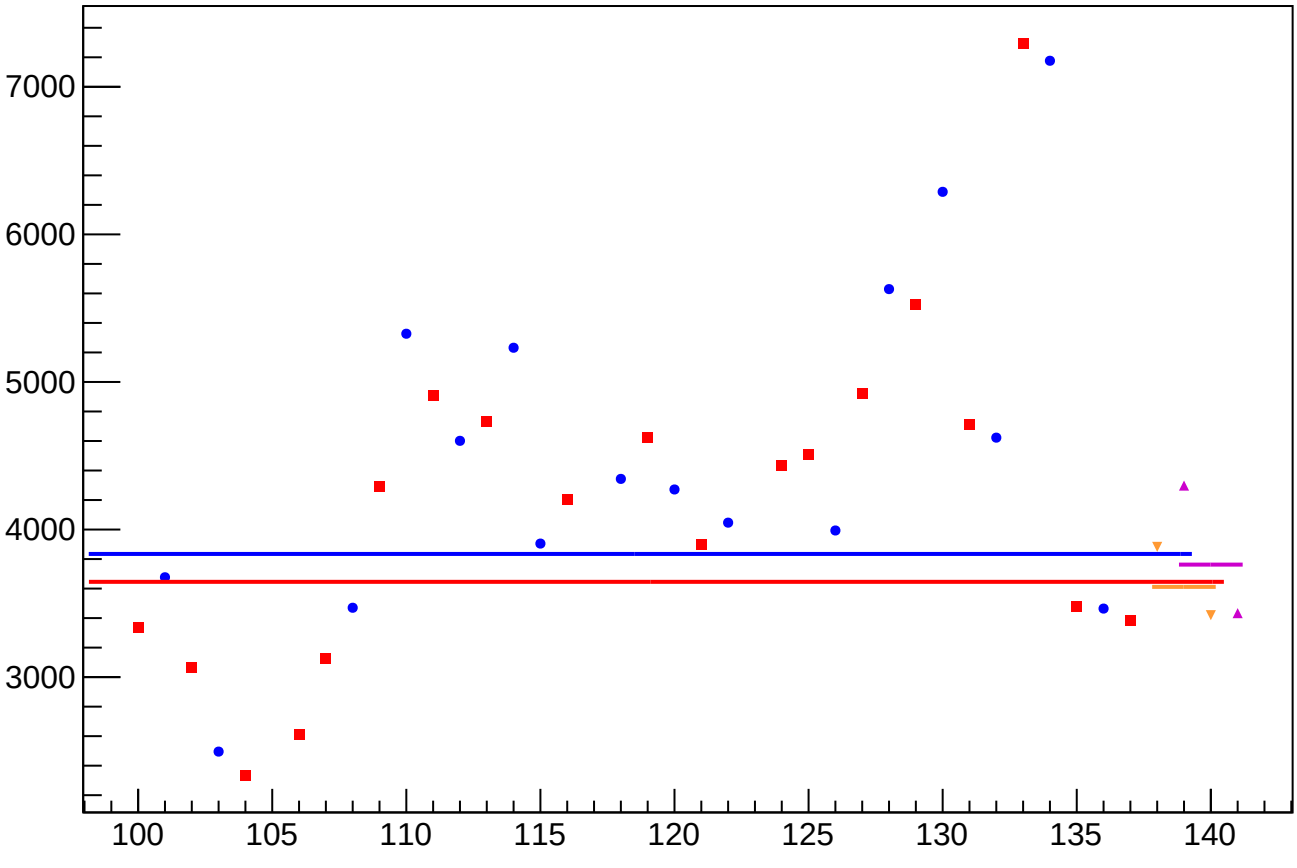
Left: -946.345+/-2031.091 χ^2/NDF: 1.8/3

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 1246.930+/-1316.387 χ^2/NDF:13.4/17

Out: 62.413+/-1256.741 χ^2/NDF:18.2/20

All: 627.229+/-909.005 χ^2/NDF: 32.1/38



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3611.431+/-2.023 χ^2/NDF:12708.9/1

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3762.420+/-2.040 χ^2/NDF:42339.6/1

Left: 3686.296+/-1.436 χ^2/NDF: 57811.5/3

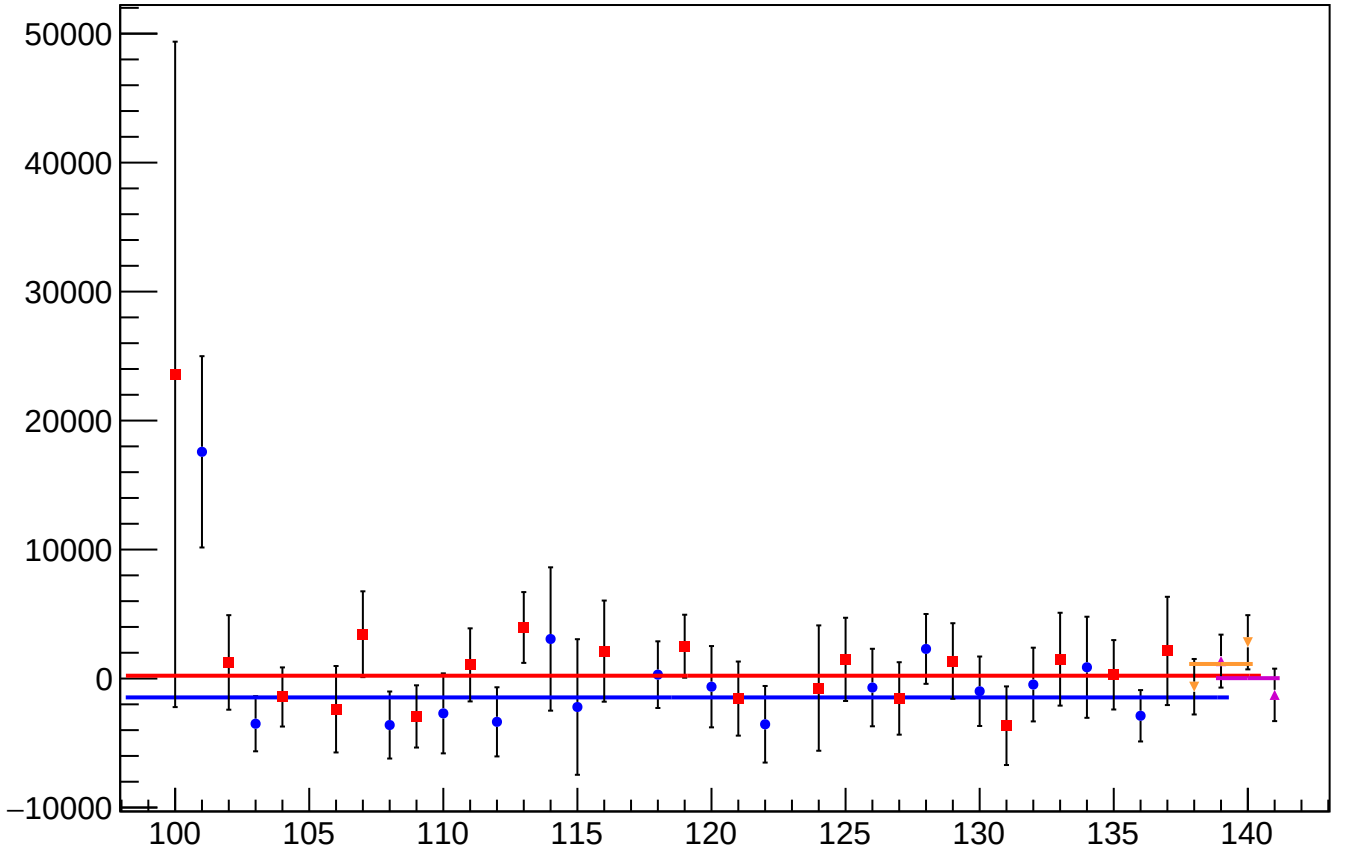
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3819.638+/-0.931 χ^2/NDF:999645.8/17

Out: 3639.077+/-0.889 χ^2/NDF:1137921.8/20

All: 3725.174+/-0.643 χ^2/NDF: 2157253.4/38

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1129.162+/-1503.582 χ^2/NDF:1.3/1

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: 29.598+/-1444.584 χ^2/NDF:0.8/1

Left: 557.384+/-1041.708 χ^2/NDF: 2.4/3

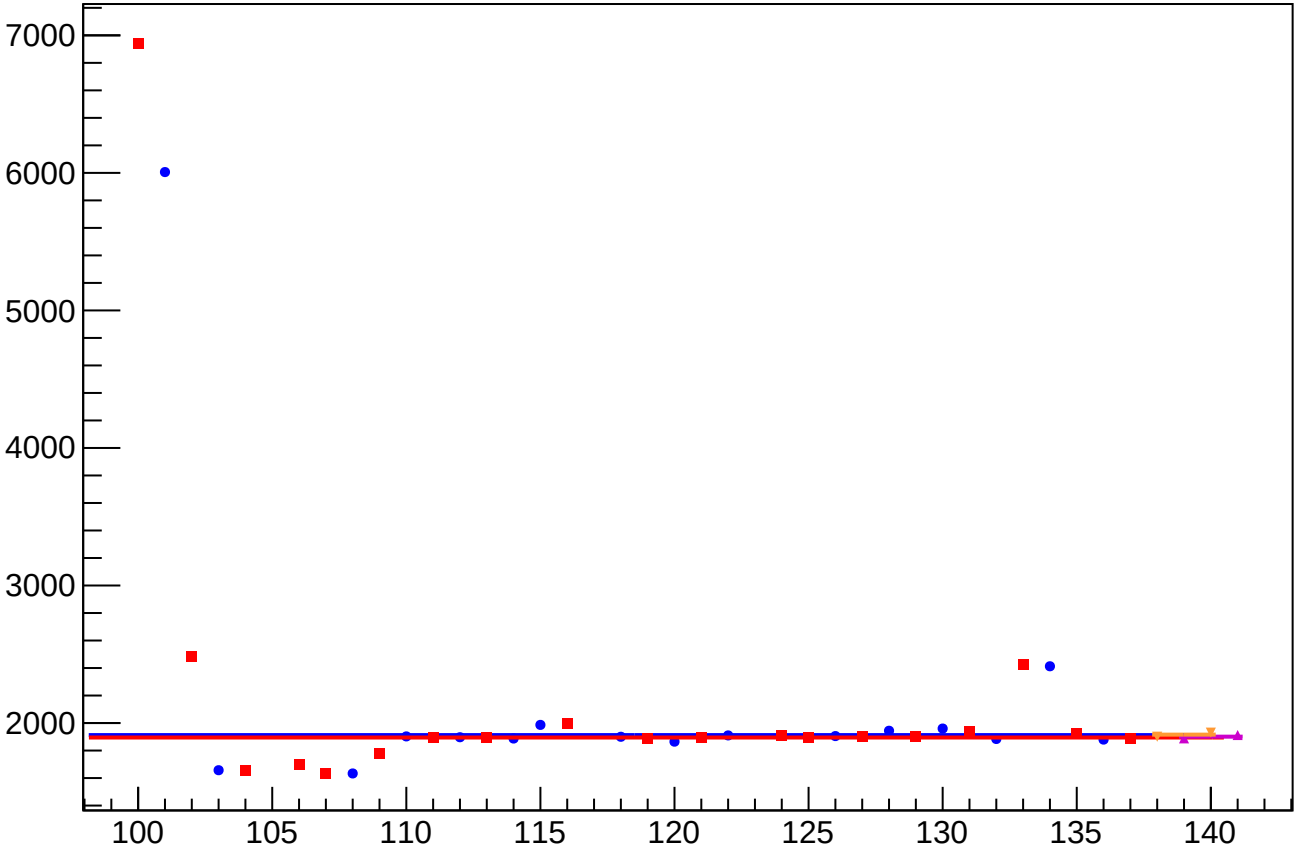
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -1160.234+/-650.307 χ^2/NDF:15.2/17

Out: 385.099+/-641.171 χ^2/NDF:12.4/20

All: -376.636+/-456.572 χ^2/NDF: 30.5/38

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1915.717+/-1.063 χ^2/NDF:193.2/1

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1900.960+/-1.021 χ^2/NDF:140.9/1

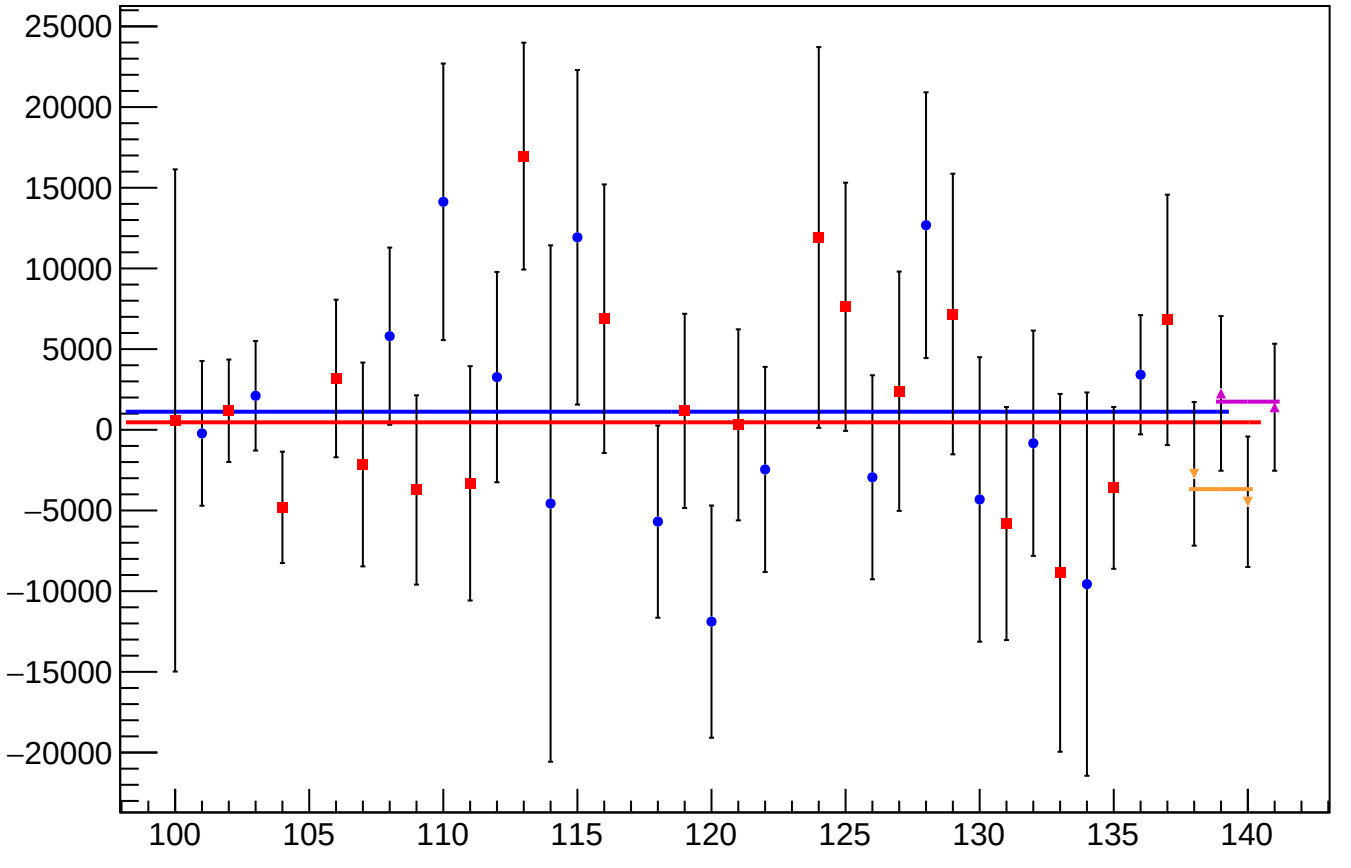
Left: 1908.043+/-0.737 χ^2/NDF: 434.2/3

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1910.064+/-0.460 χ^2/NDF:696460.7/17

Out: 1898.568+/-0.453 χ^2/NDF:220292.5/20

All: 1904.230+/-0.323 χ^2/NDF: 917070.5/38



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -3677.129+/-2992.847 χ^2/NDF:0.1/1

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 1743.623+/-3041.882 χ^2/NDF:0.0/1

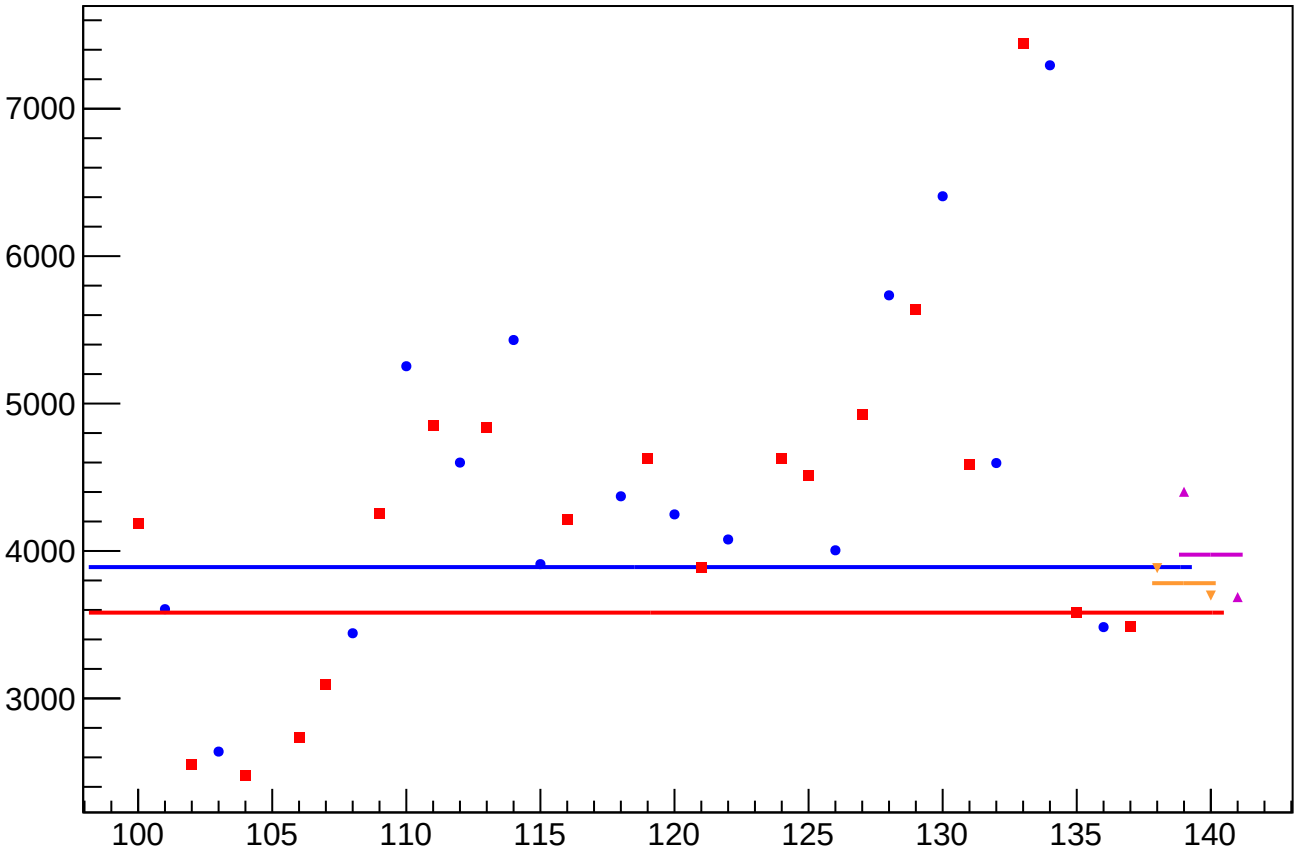
Left: -1010.796+/-2133.387 χ^2/NDF: 1.7/3

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 1241.815+/-1343.644 χ^2/NDF:13.5/17

Out: -253.818+/-1246.305 χ^2/NDF:16.7/20

All: 437.867+/-913.747 χ^2/NDF: 30.9/38



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3781.579+/-2.116 χ^2/NDF:1915.8/1

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3974.975+/-2.151 χ^2/NDF:26532.6/1

Left: 3876.706+/-1.509 χ^2/NDF: 32556.2/3

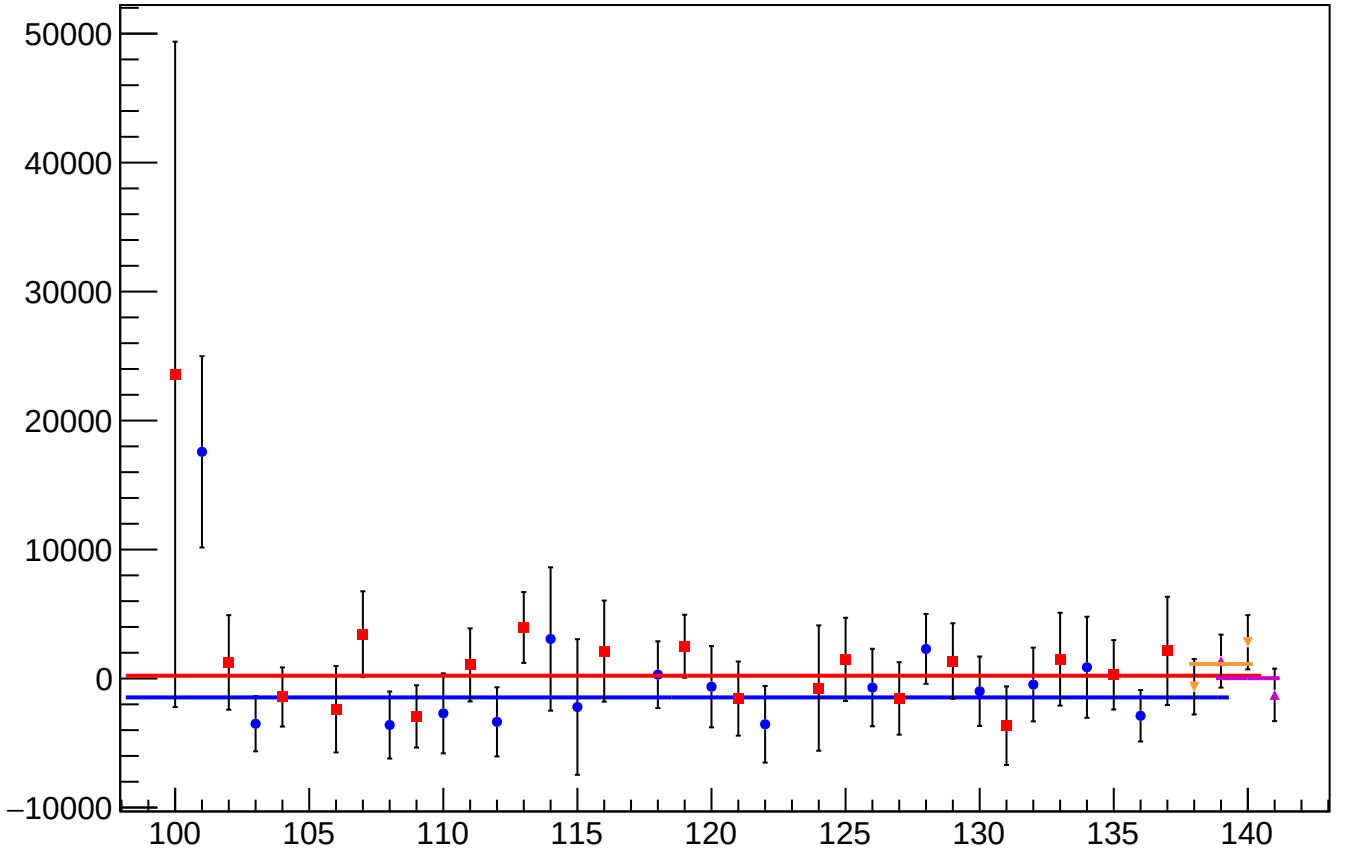
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3907.149+/-0.950 χ^2/NDF:906186.1/17

Out: 3616.428+/-0.881 χ^2/NDF:1231138.8/20

All: 3750.878+/-0.646 χ^2/NDF: 2187654.1/38

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1129.167+/-1503.582 χ^2/NDF:1.3/1

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: 29.615+/-1444.584 χ^2/NDF:0.8/1

Left: 557.395+/-1041.708 χ^2/NDF: 2.4/3

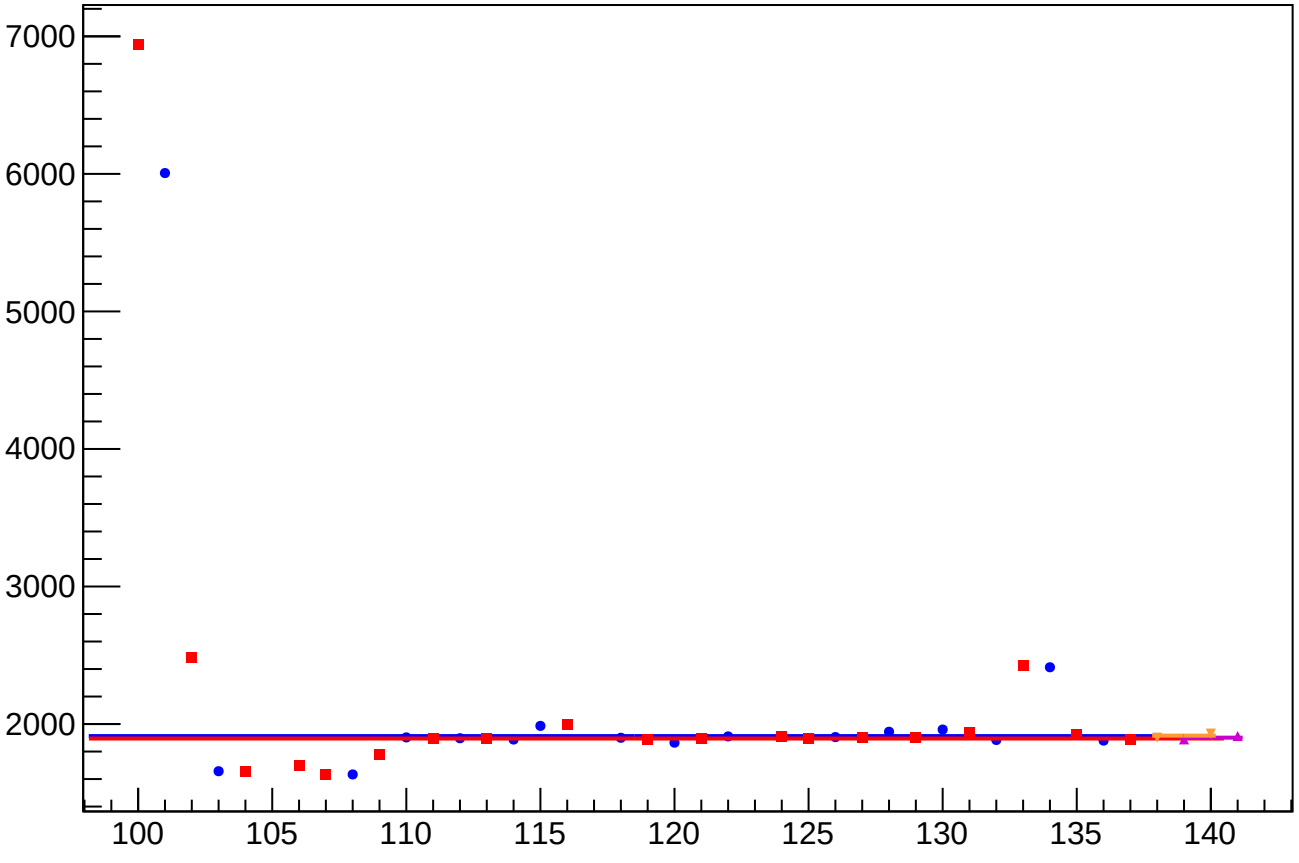
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -1160.235+/-650.307 χ^2/NDF:15.2/17

Out: 385.096+/-641.171 χ^2/NDF:12.4/20

All: -376.638+/-456.572 χ^2/NDF: 30.5/38

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1915.717+/-1.063 χ^2/NDF:193.2/1

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1900.961+/-1.021 χ^2/NDF:140.8/1

Left: 1908.044+/-0.737 χ^2/NDF: 434.2/3

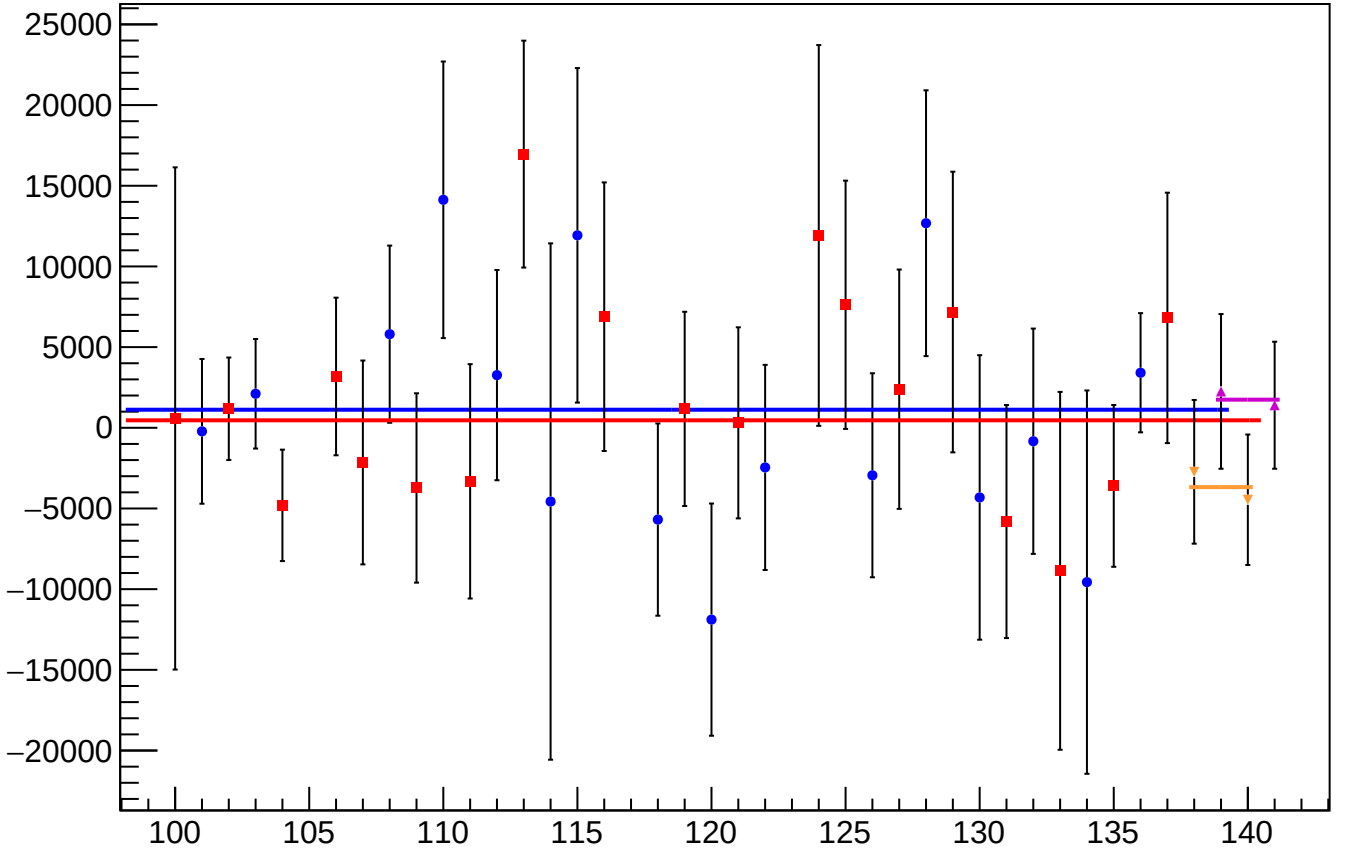
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1910.064+/-0.460 χ^2/NDF:696460.6/17

Out: 1898.568+/-0.453 χ^2/NDF:220292.5/20

All: 1904.230+/-0.323 χ^2/NDF: 917070.3/38

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -3677.126+/-2992.849 χ^2/NDF:0.1/1

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: 1743.640+/-3041.884 χ^2/NDF:0.0/1

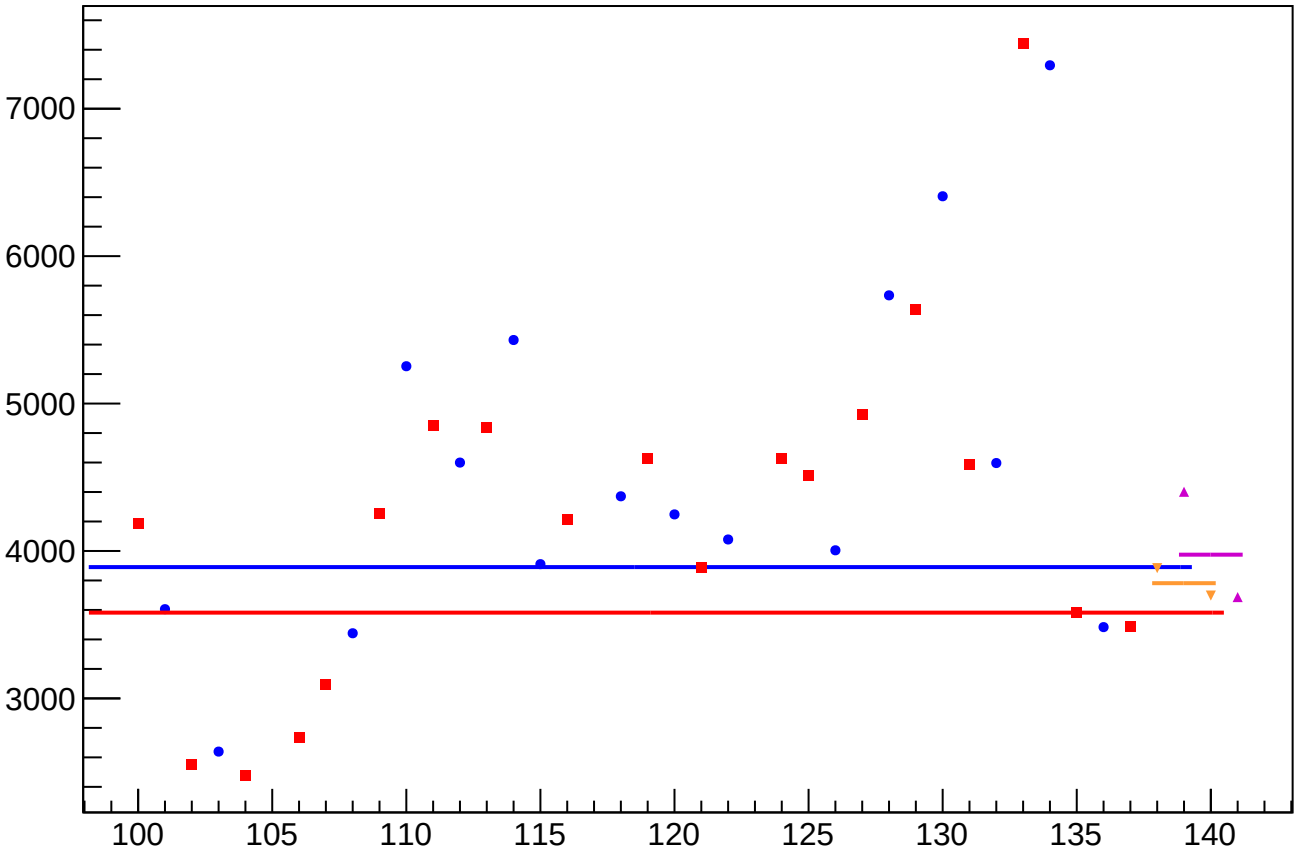
Left: -1010.786+/-2133.389 χ^2/NDF: 1.7/3

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 1241.807+/-1343.643 χ^2/NDF:13.5/17

Out: -253.816+/-1246.304 χ^2/NDF:16.7/20

All: 437.865+/-913.746 χ^2/NDF: 30.9/38



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3781.582+/-2.116 χ^2/NDF:1916.0/1

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3974.978+/-2.151 χ^2/NDF:26533.5/1

Left: 3876.709+/-1.509 χ^2/NDF: 32557.2/3

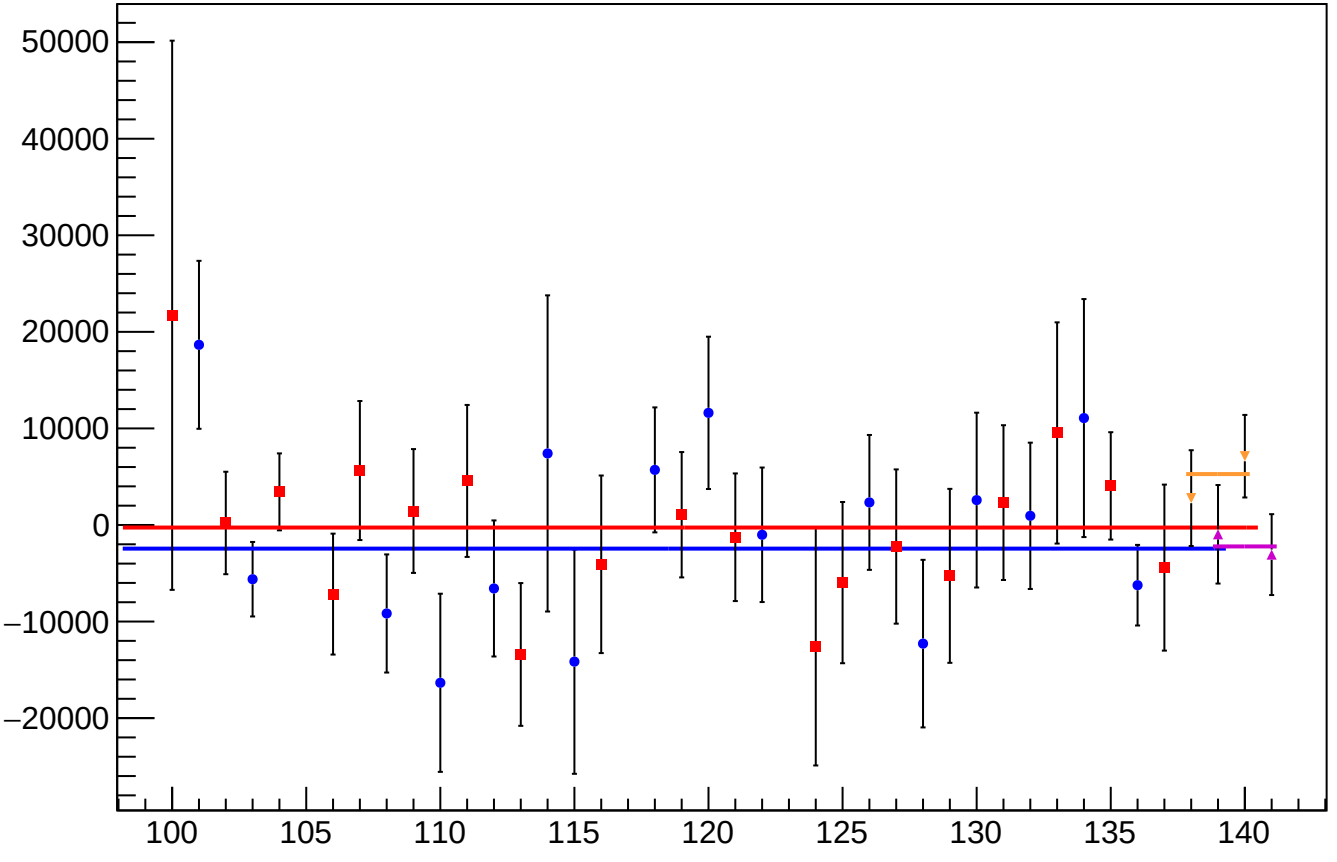
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3907.148+/-0.950 χ^2/NDF:906178.3/17

Out: 3616.426+/-0.881 χ^2/NDF:1231130.8/20

All: 3750.876+/-0.646 χ^2/NDF: 2187638.4/38

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 5271.898+/-3238.348 χ^2/NDF:0.4/1

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -2221.307+/-3236.870 χ^2/NDF:0.1/1

Left: 1523.585+/-2289.335 χ^2/NDF: 3.2/3

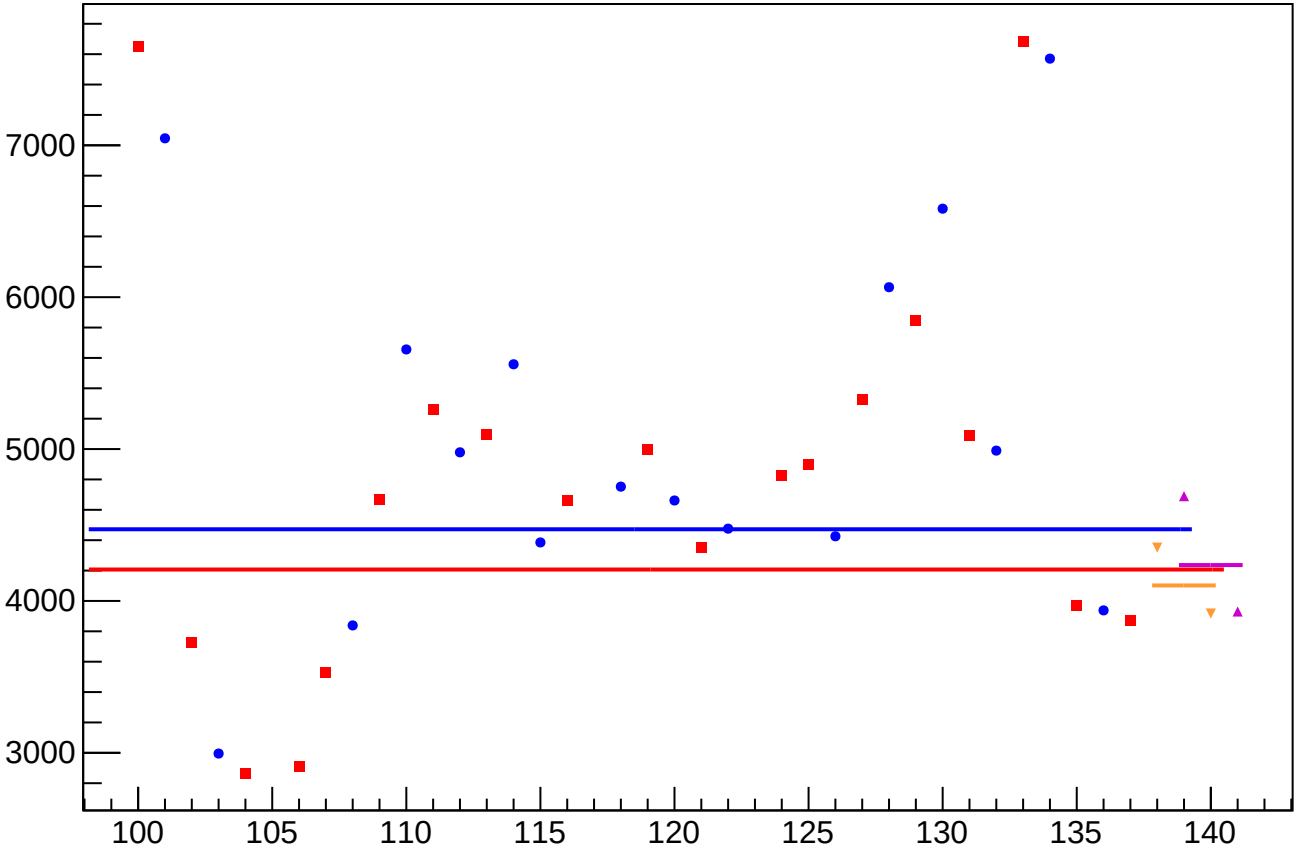
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -2398.303+/-1518.668 χ^2/NDF:21.0/17

Out: 845.393+/-1450.665 χ^2/NDF:13.5/20

All: -702.208+/-1048.992 χ^2/NDF: 36.8/38

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4102.122+/-2.290 χ^2/NDF:8779.4/1

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4236.270+/-2.289 χ^2/NDF:26470.1/1

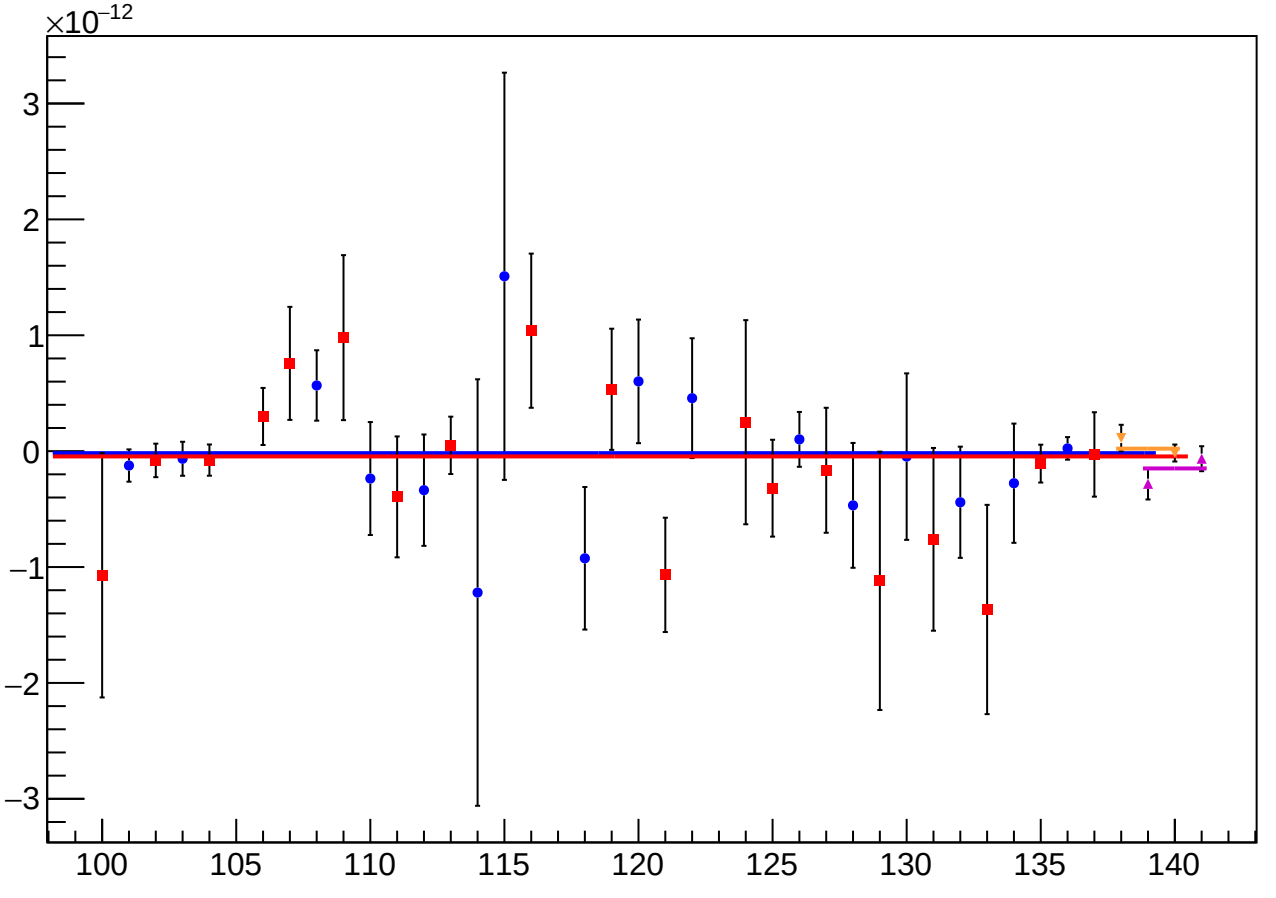
Left: 4169.227+/-1.619 χ^2/NDF: 36966.4/3

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4420.035+/-1.074 χ^2/NDF:926414.2/17

Out: 4186.154+/-1.019 χ^2/NDF:856983.9/20

All: 4296.976+/-0.739 χ^2/NDF: 1808356.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/1

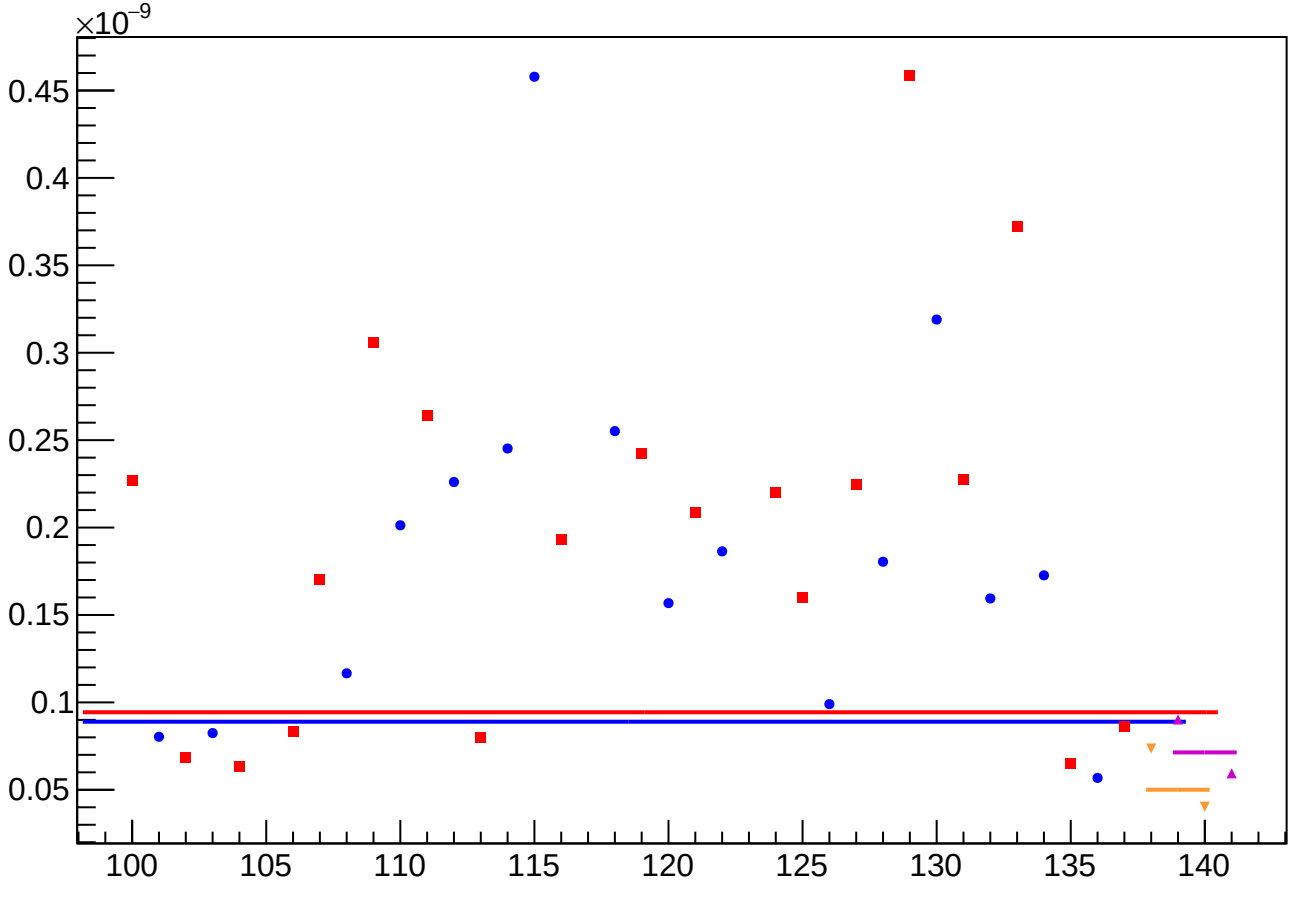
Left: -0.000+/-0.000 χ^2/NDF: 5.1/3

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:15.9/17

Out: -0.000+/-0.000 χ^2/NDF:22.7/20

All: -0.000+/-0.000 χ^2/NDF: 39.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:120578.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:63307.8/1

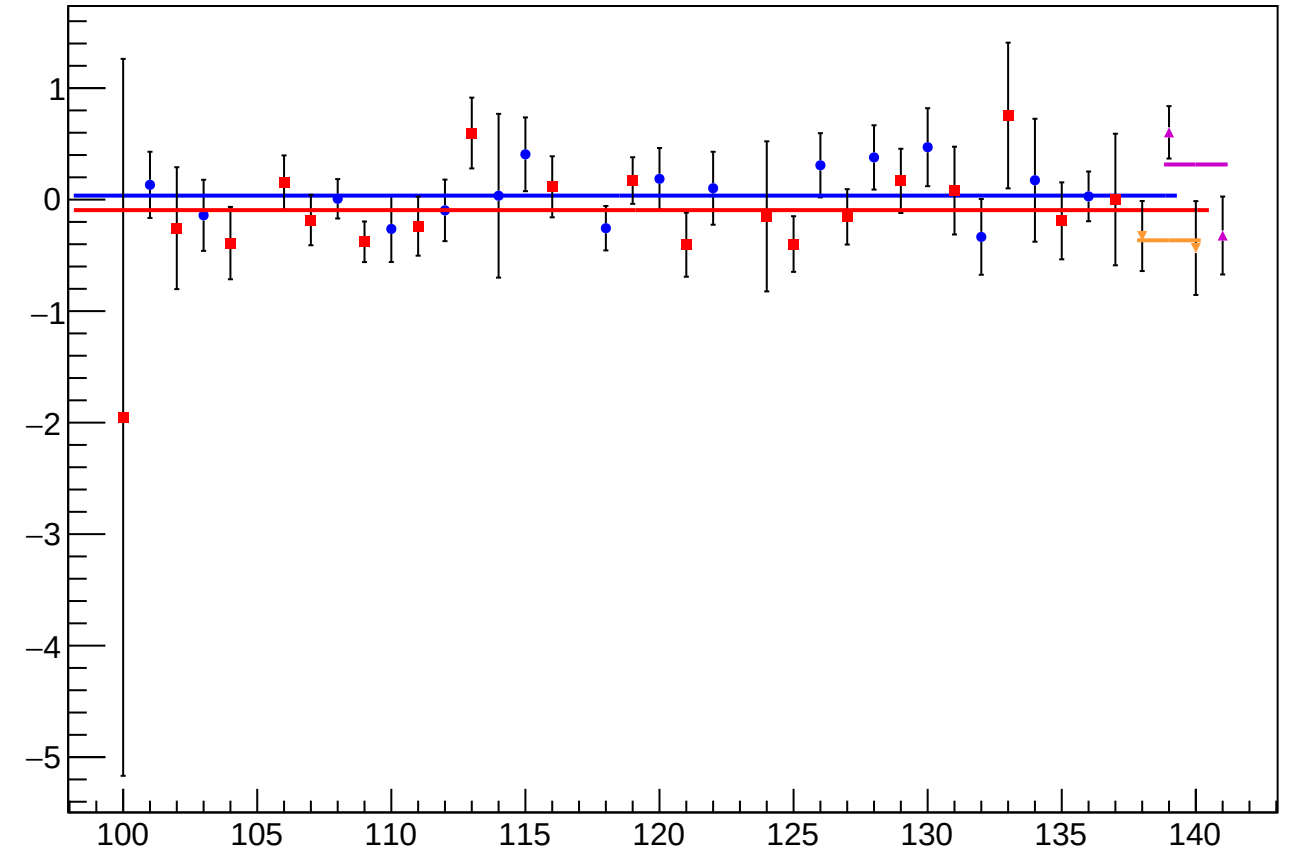
Left: 0.000+/-0.000 χ^2/NDF: 267531.9/3

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1350084.9/17

Out: 0.000+/-0.000 χ^2/NDF:2281495.7/20

All: 0.000+/-0.000 χ^2/NDF: 3704340.9/38



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.365+/-0.252 χ^2/NDF:0.0/1

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.315+/-0.195 χ^2/NDF:4.8/1

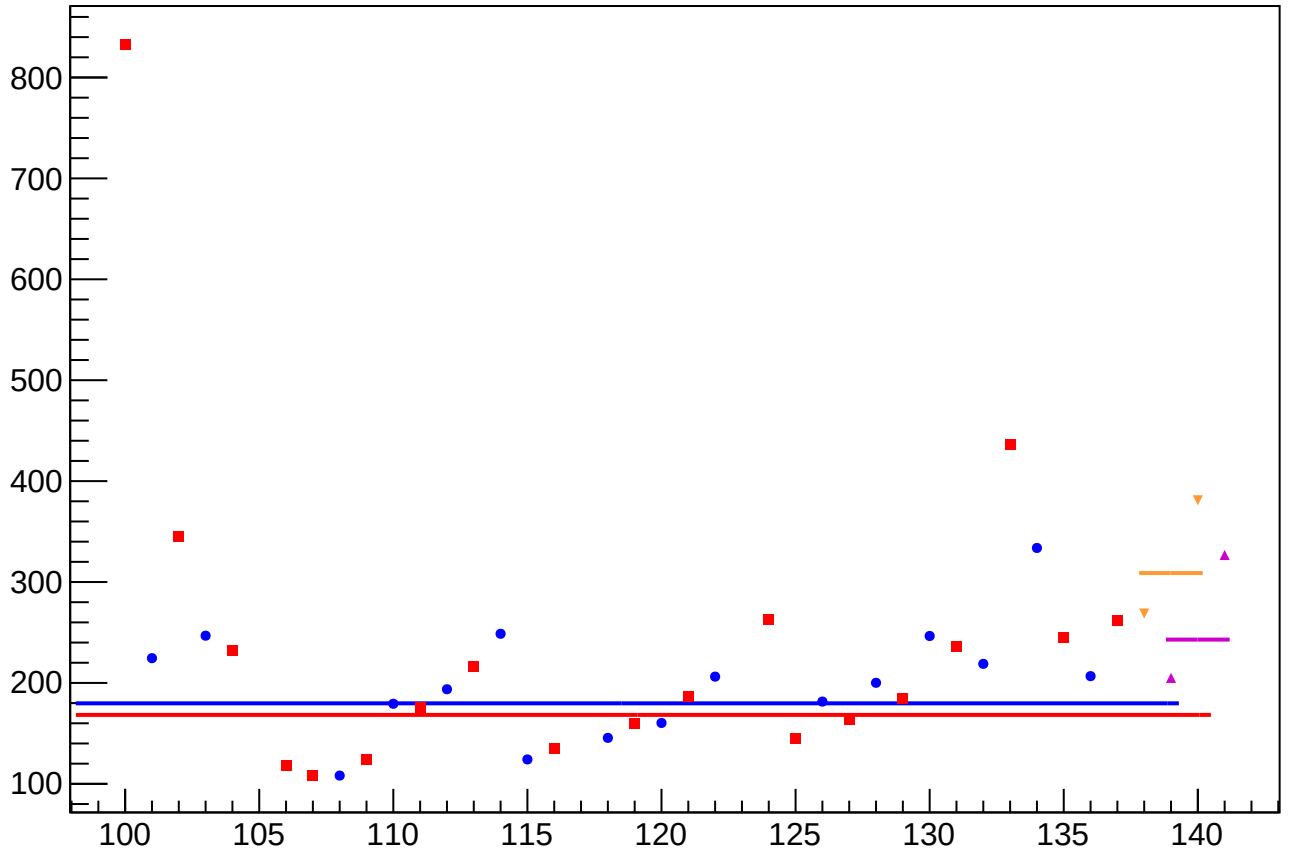
Left: 0.060+/-0.154 χ^2/NDF: 9.4/3

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.068+/-0.066 χ^2/NDF:17.2/17

Out: -0.112+/-0.065 χ^2/NDF:18.7/20

All: -0.024+/-0.047 χ^2/NDF: 39.7/38



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 308.907+/-0.178 χ^2/NDF:91390.8/1

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 242.956+/-0.138 χ^2/NDF:167259.3/1

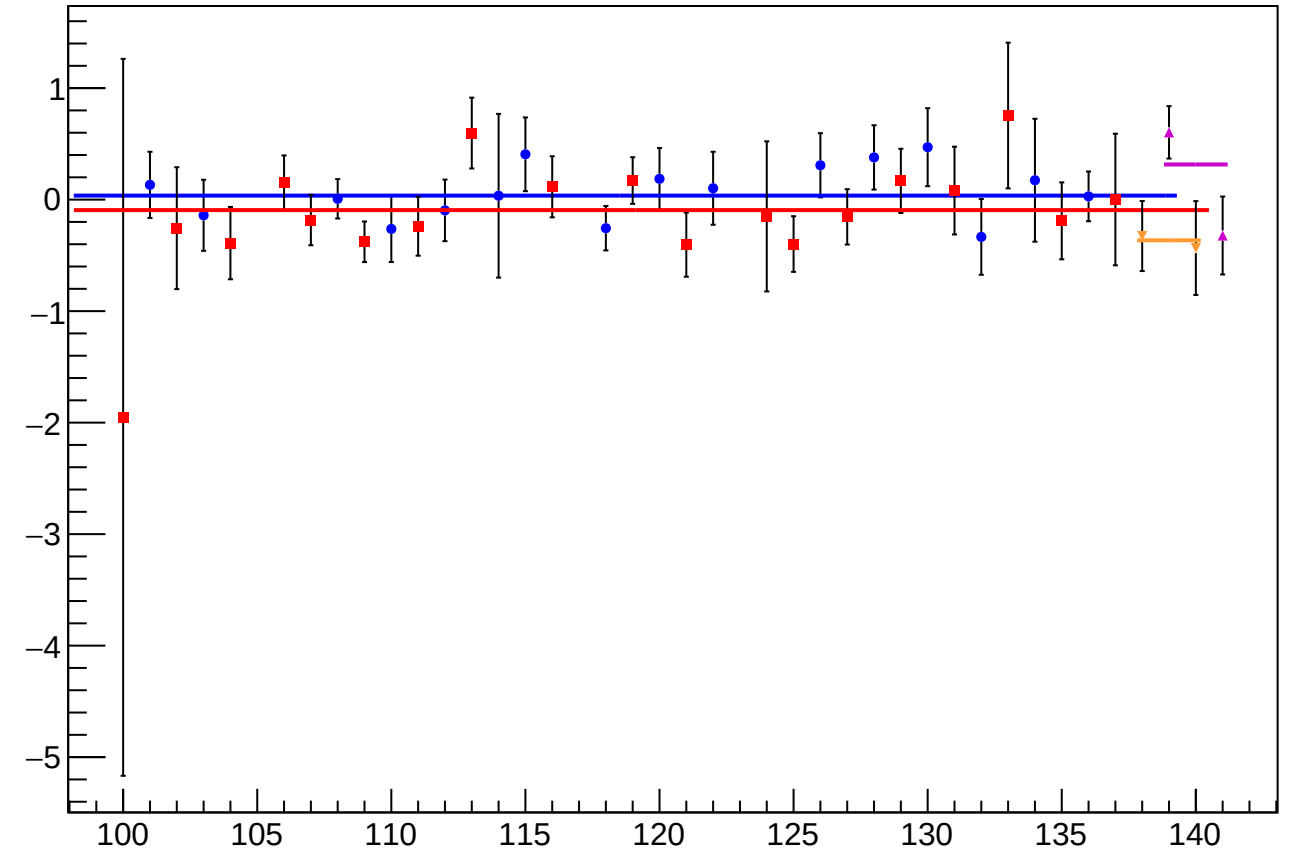
Left: 267.706+/-0.109 χ^2/NDF: 344462.0/3

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 187.108+/-0.047 χ^2/NDF:1271232.3/17

Out: 177.803+/-0.046 χ^2/NDF:2082687.6/20

All: 182.382+/-0.033 χ^2/NDF: 3373891.8/38



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.365+/-0.252 χ^2/NDF:0.0/1

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.315+/-0.195 χ^2/NDF:4.8/1

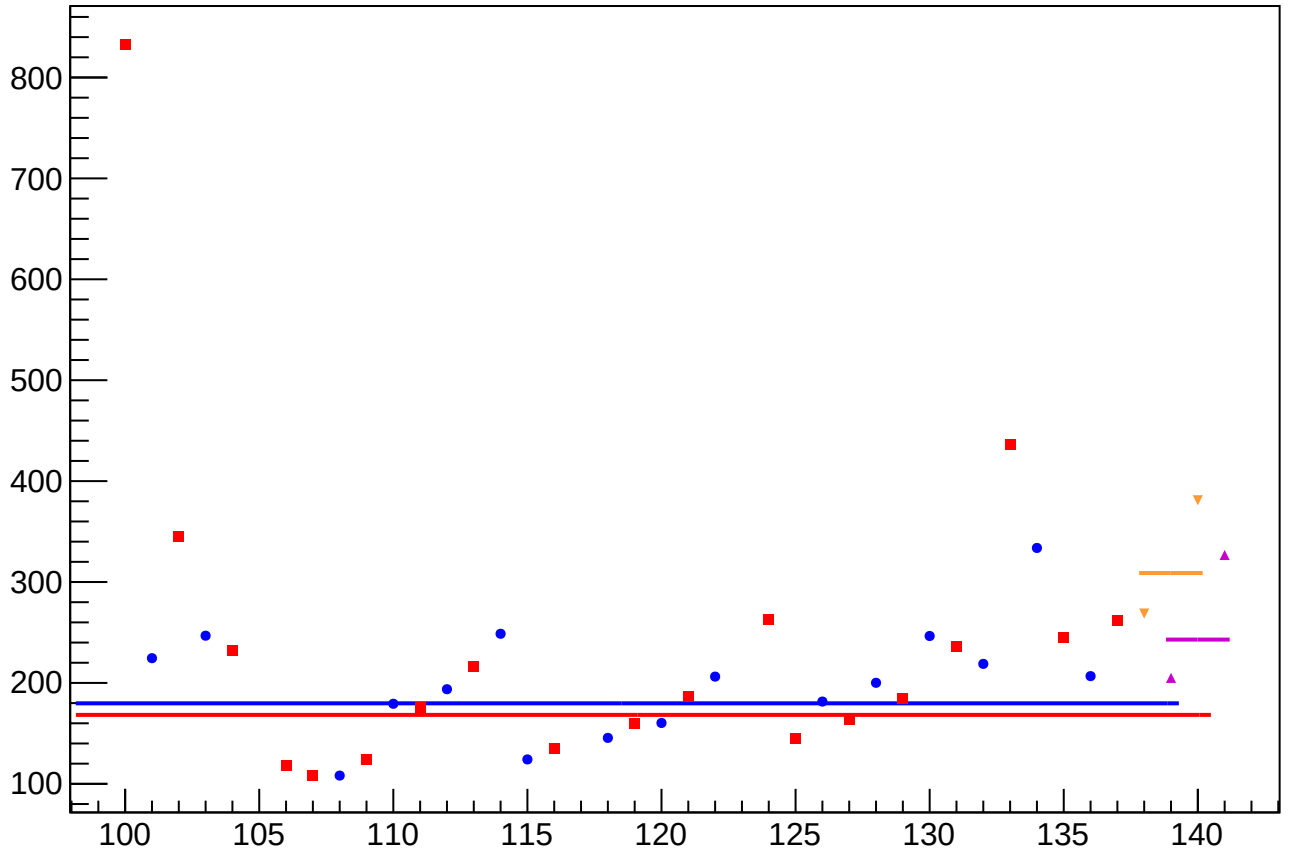
Left: 0.060+/-0.154 χ^2/NDF: 9.4/3

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.068+/-0.066 χ^2/NDF:17.2/17

Out: -0.112+/-0.065 χ^2/NDF:18.7/20

All: -0.024+/-0.047 χ^2/NDF: 39.7/38



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 308.907+/-0.178 χ^2/NDF:91390.8/1

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 242.956+/-0.138 χ^2/NDF:167259.3/1

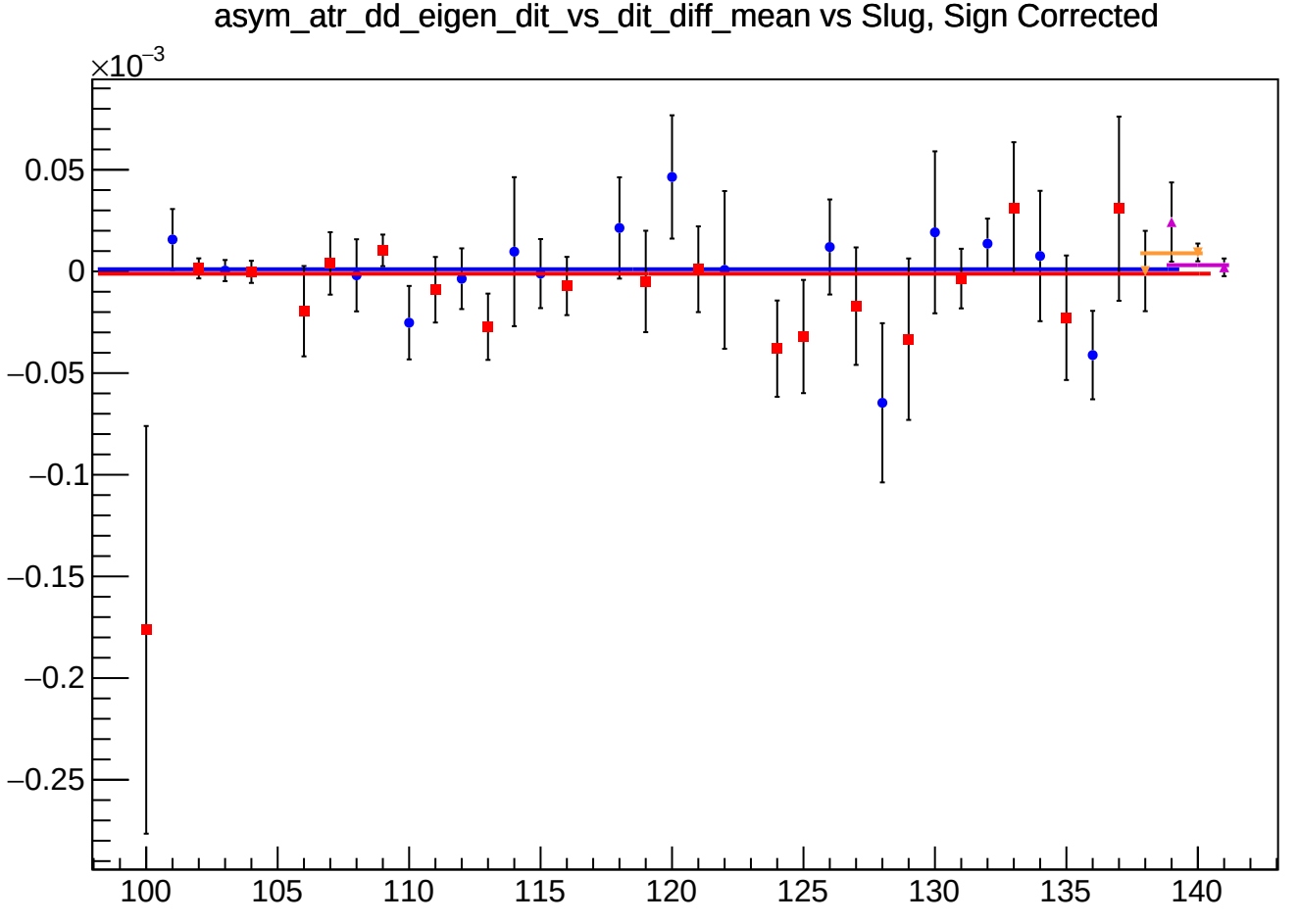
Left: 267.706+/-0.109 χ^2/NDF: 344462.0/3

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 187.108+/-0.047 χ^2/NDF:1271232.3/17

Out: 177.803+/-0.046 χ^2/NDF:2082687.6/20

All: 182.382+/-0.033 χ^2/NDF: 3373891.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

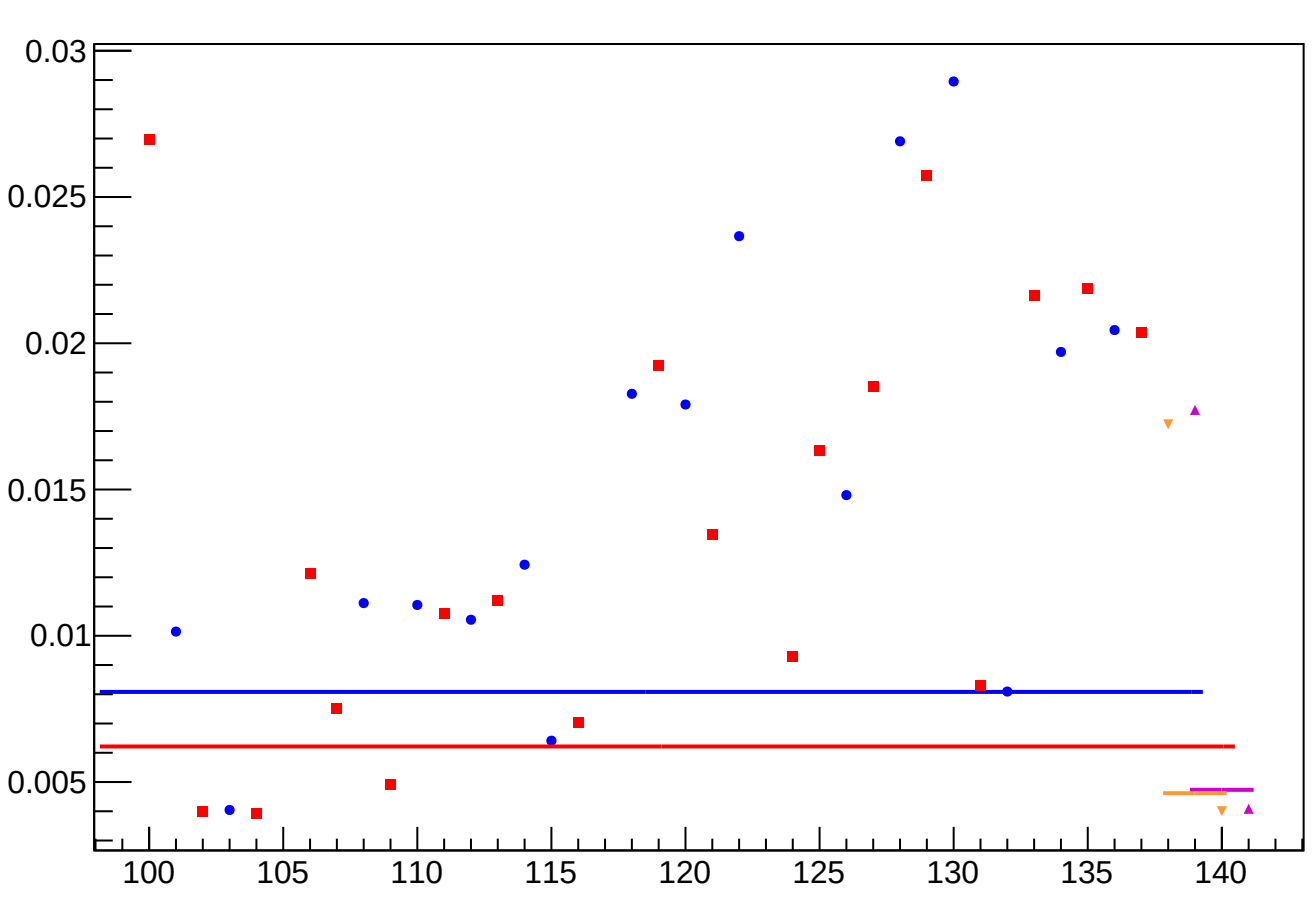
Left: 0.000+/-0.000 χ^2/NDF: 2.4/3

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:15.7/17

Out: 0.000+/-0.000 χ^2/NDF:20.0/20

All: 0.000+/-0.000 χ^2/NDF: 35.7/38



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:854286.7/1

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.005+/-0.000 χ^2/NDF:933943.9/1

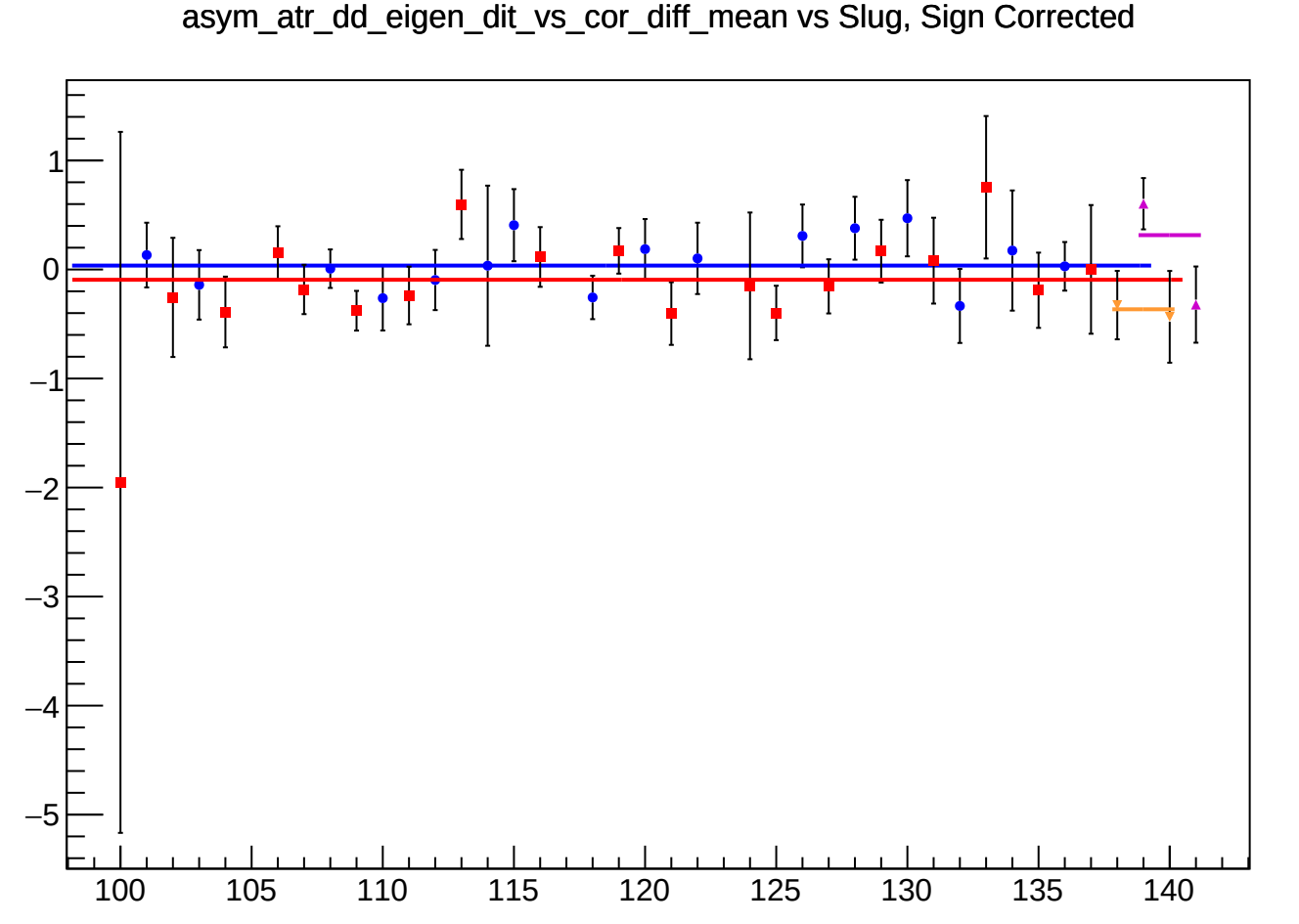
Left: 0.005+/-0.000 χ^2/NDF: 1788955.8/3

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6051852.3/17

Out: 0.006+/-0.000 χ^2/NDF:5610423.8/20

All: 0.006+/-0.000 χ^2/NDF: 11783761.7/38



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.365+/-0.252 χ^2/NDF:0.0/1

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.315+/-0.195 χ^2/NDF:4.8/1

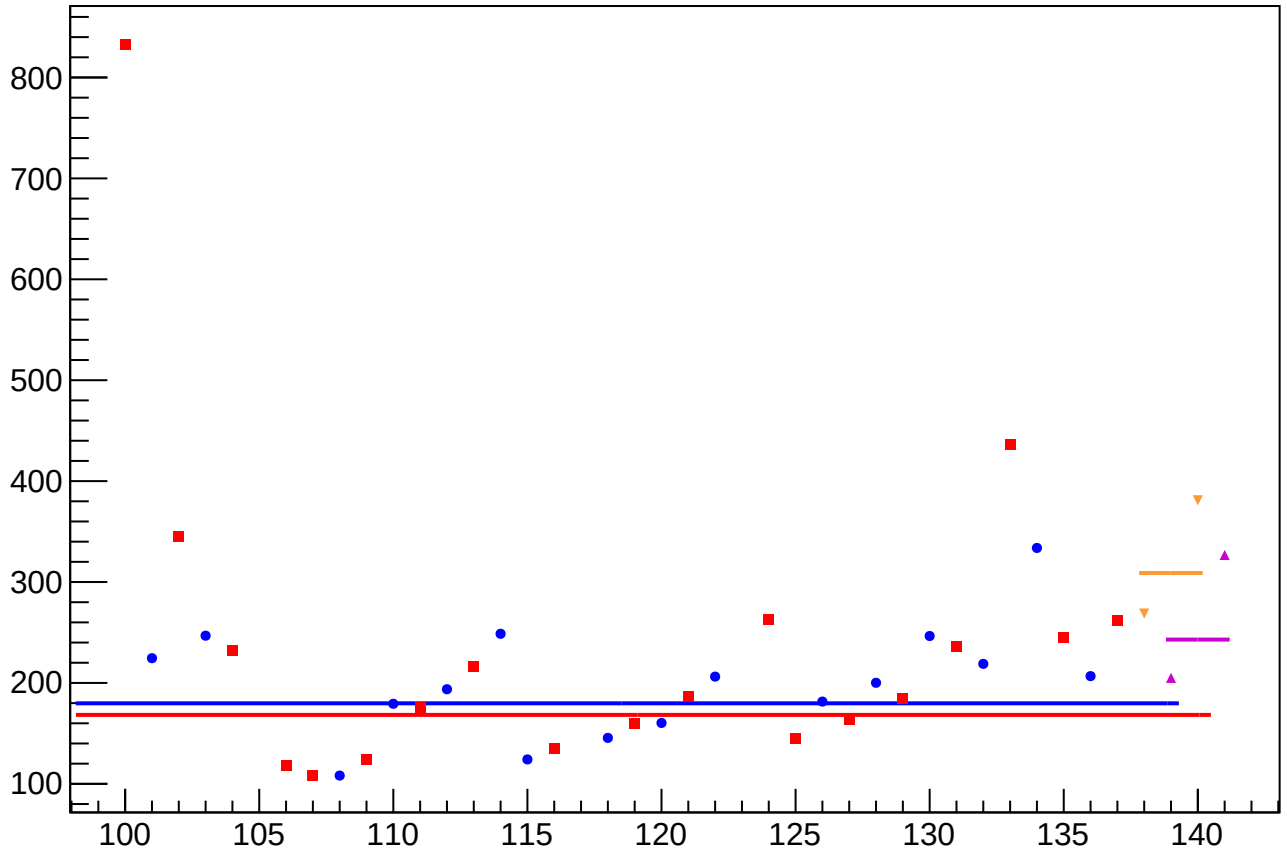
Left: 0.060+/-0.154 χ^2/NDF: 9.4/3

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.068+/-0.066 χ^2/NDF:17.2/17

Out: -0.112+/-0.065 χ^2/NDF:18.7/20

All: -0.024+/-0.047 χ^2/NDF: 39.7/38



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 308.911+/-0.178 χ^2/NDF:91380.1/1

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 242.959+/-0.138 χ^2/NDF:167244.4/1

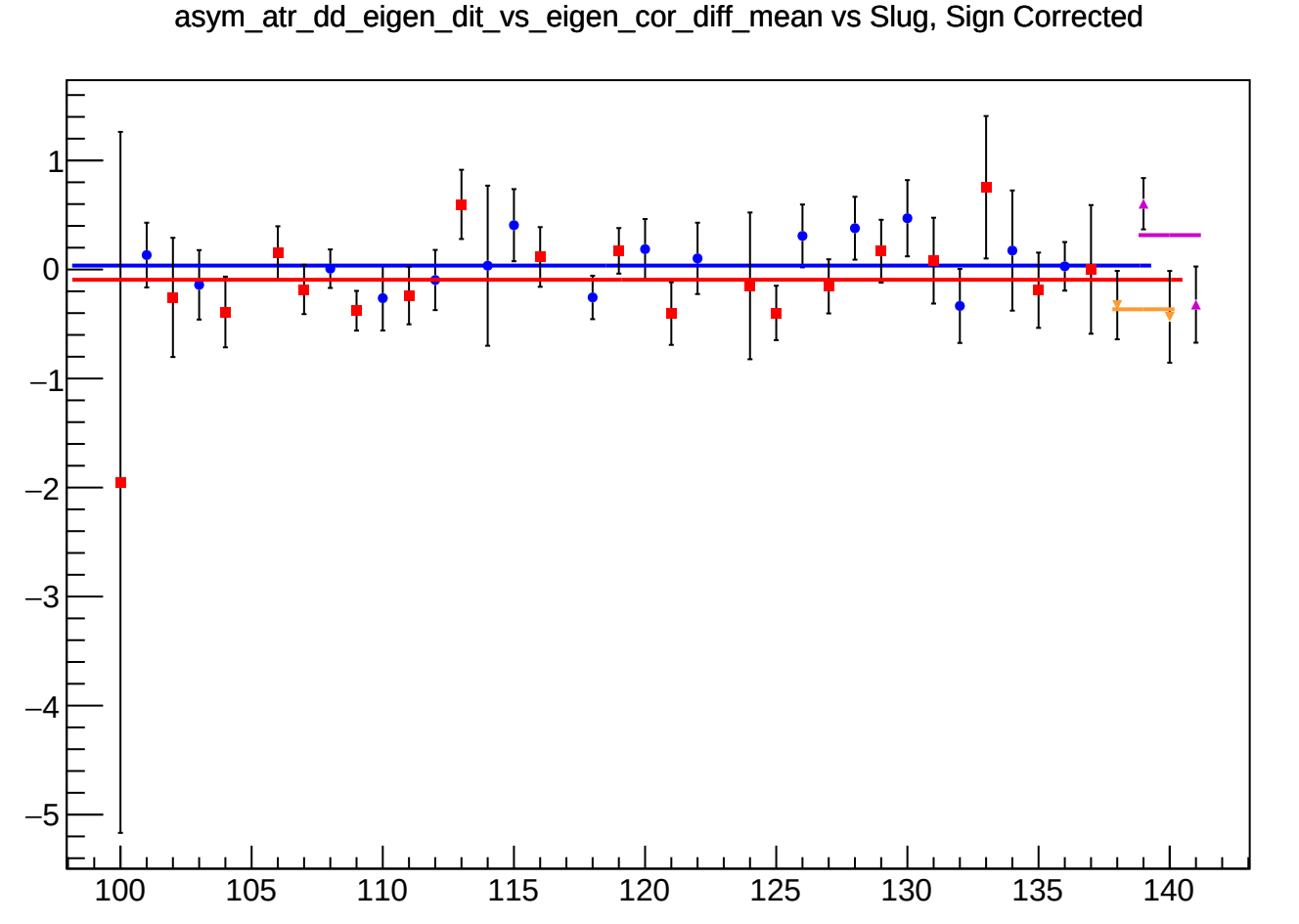
Left: 267.709+/-0.109 χ^2/NDF: 344436.2/3

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 187.106+/-0.047 χ^2/NDF:1271295.5/17

Out: 177.803+/-0.046 χ^2/NDF:2082697.2/20

All: 182.381+/-0.033 χ^2/NDF: 3373955.6/38



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.365+/-0.252 χ^2/NDF:0.0/1

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.315+/-0.195 χ^2/NDF:4.8/1

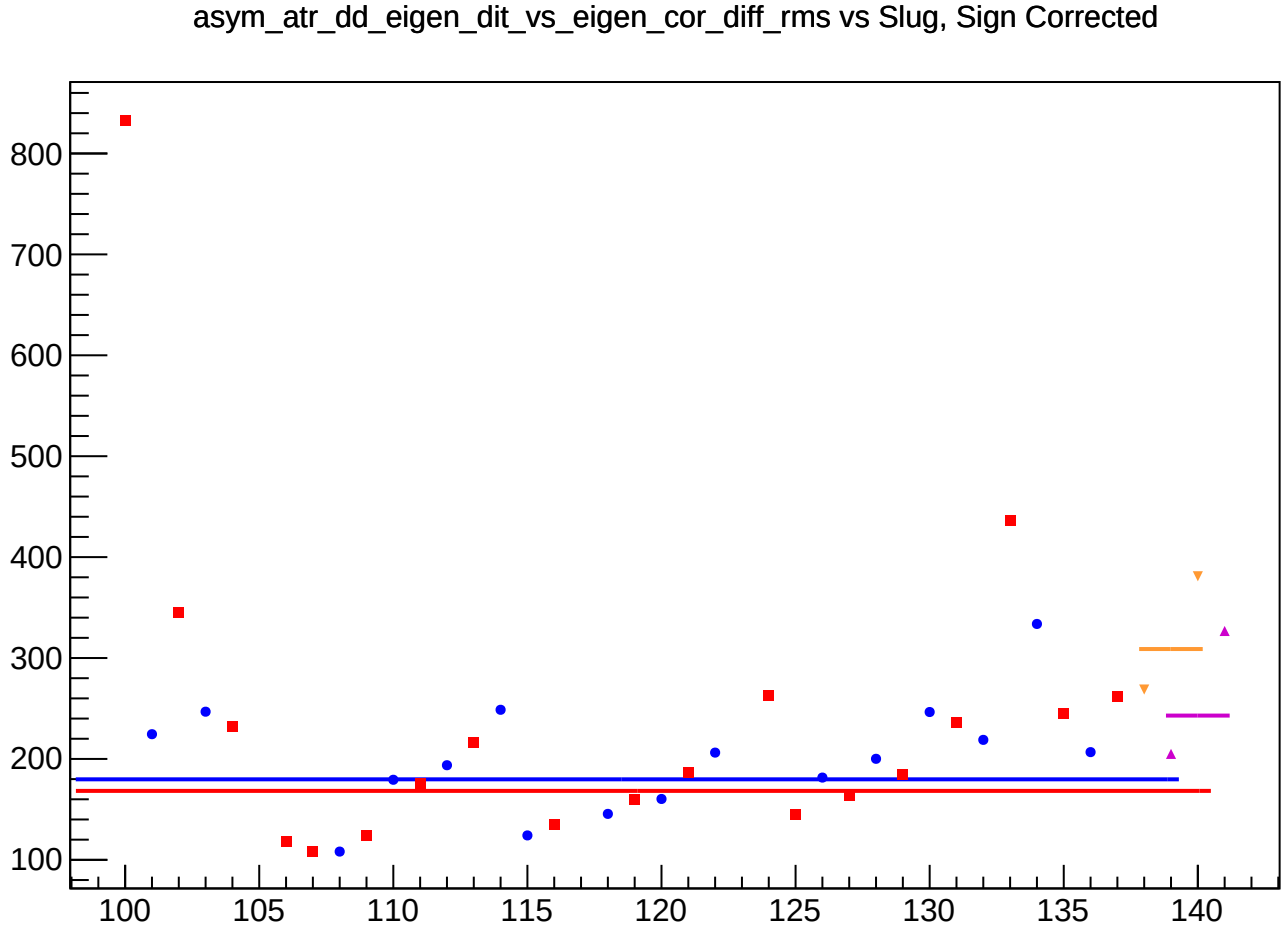
Left: 0.060+/-0.154 χ^2/NDF: 9.4/3

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.068+/-0.066 χ^2/NDF:17.2/17

Out: -0.112+/-0.065 χ^2/NDF:18.7/20

All: -0.024+/-0.047 χ^2/NDF: 39.7/38



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 308.911+/-0.178 χ^2/NDF:91380.1/1

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 242.959+/-0.138 χ^2/NDF:167244.4/1

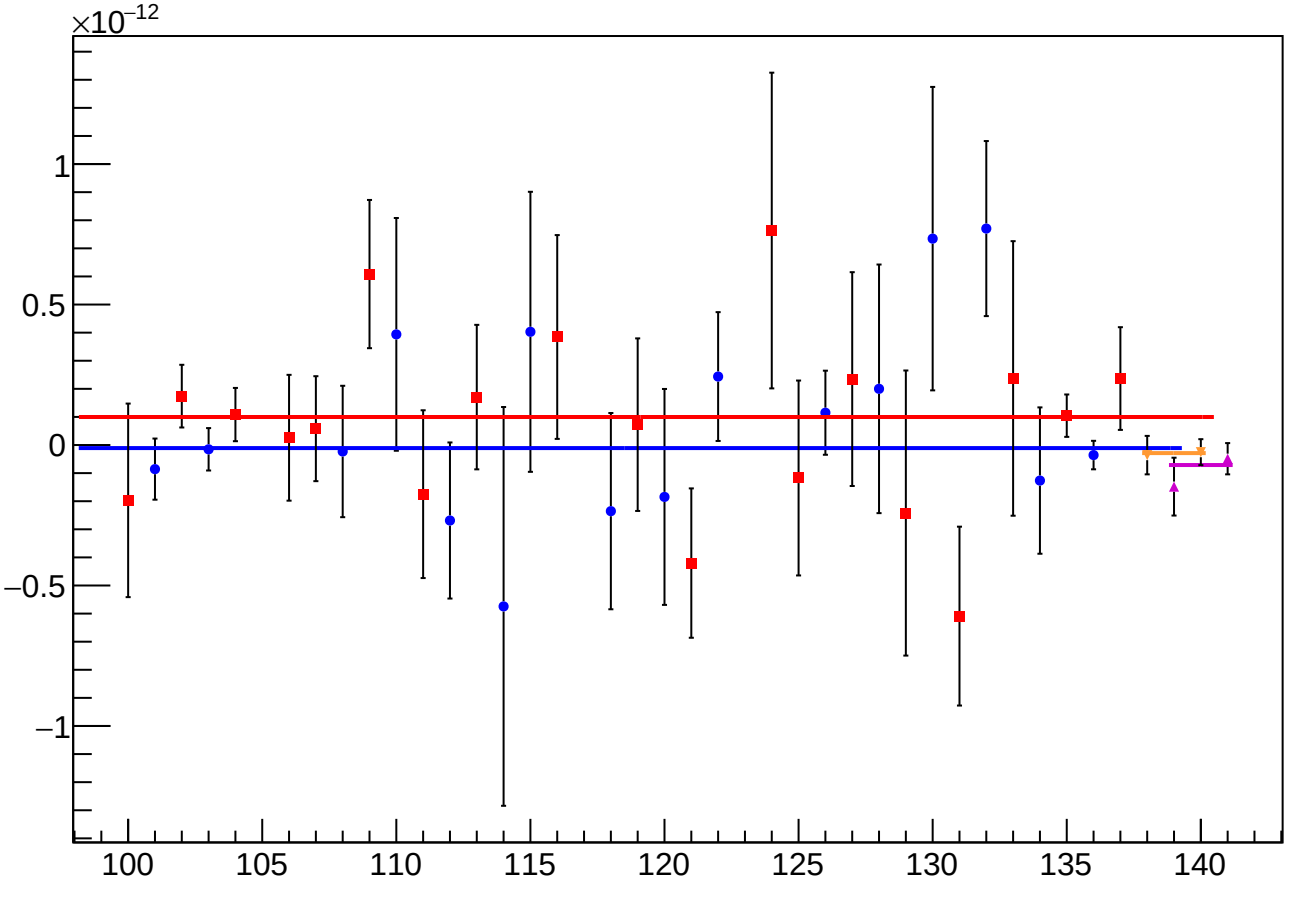
Left: 267.709+/-0.109 χ^2/NDF: 344436.2/3

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 187.106+/-0.047 χ^2/NDF:1271295.5/17

Out: 177.803+/-0.046 χ^2/NDF:2082697.2/20

All: 182.381+/-0.033 χ^2/NDF: 3373955.6/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

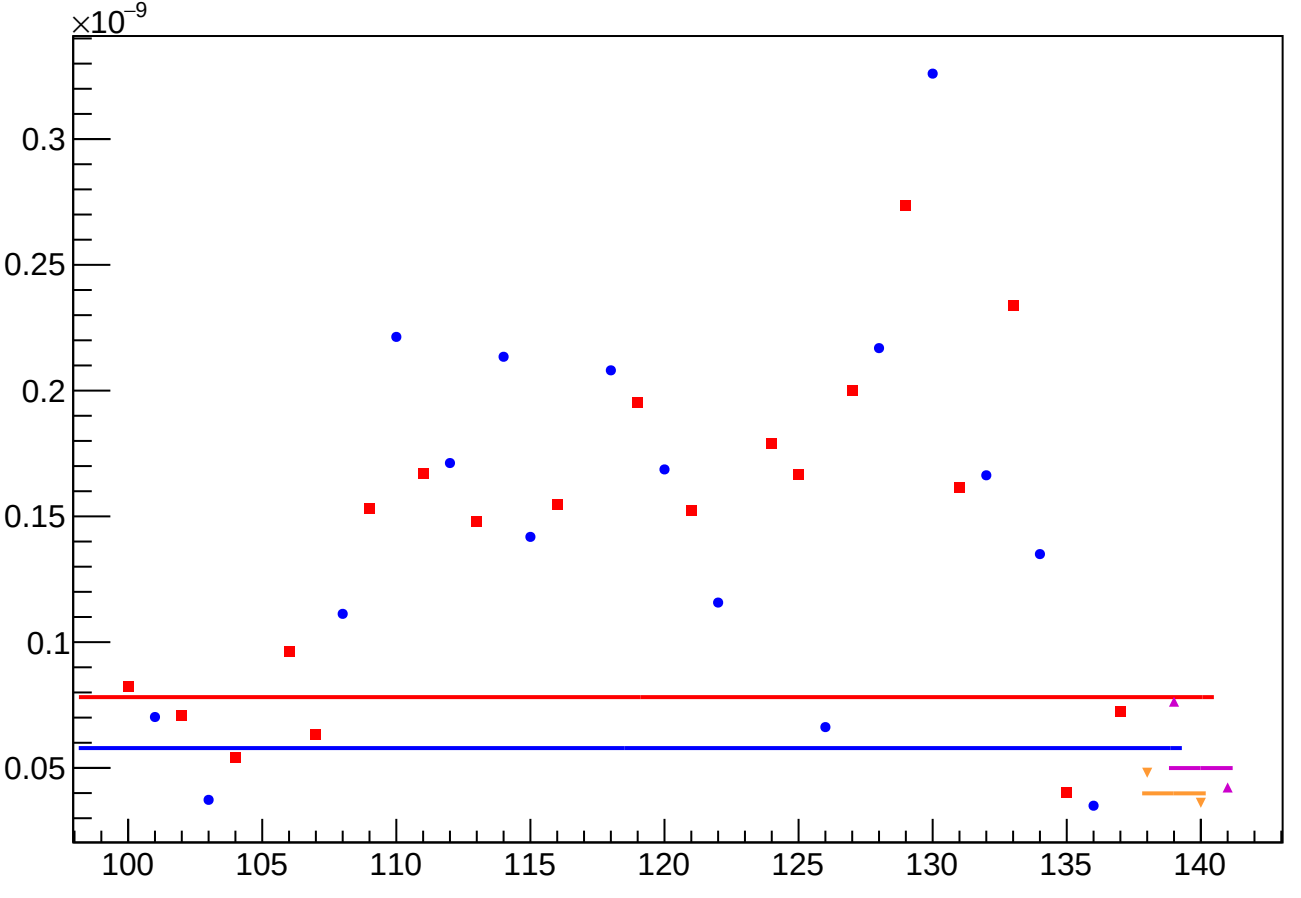
Left: -0.000+/-0.000 χ^2/NDF: 1.2/3

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:16.8/17

Out: 0.000+/-0.000 χ^2/NDF:23.5/20

All: -0.000+/-0.000 χ^2/NDF: 42.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:41846.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:170056.2/1

Left: 0.000+/-0.000 χ^2/NDF: 264265.3/3

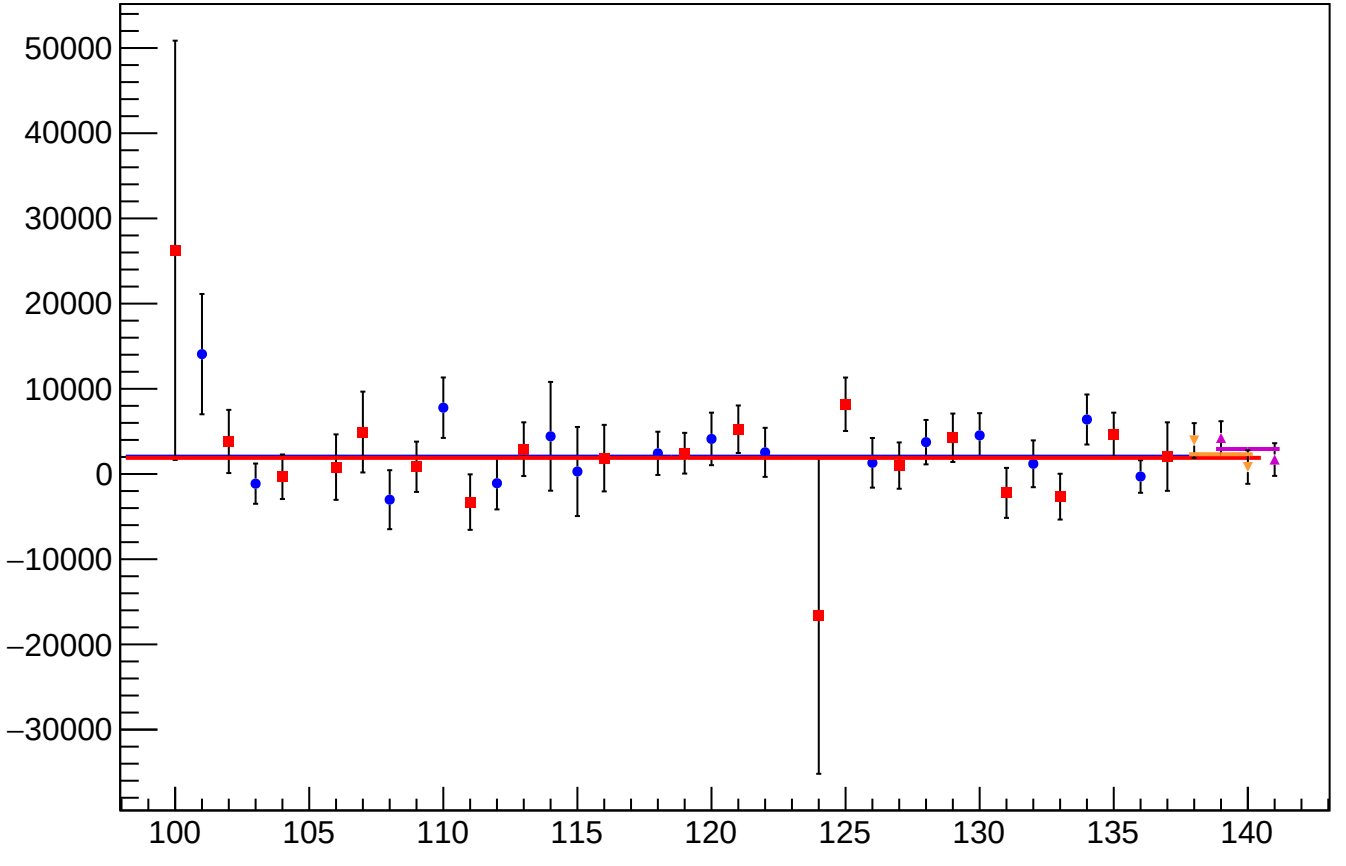
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:3527759.0/17

Out: 0.000+/-0.000 χ^2/NDF:3676948.9/20

All: 0.000+/-0.000 χ^2/NDF: 7209854.6/38

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2323.357+/-1416.790 χ^2/NDF:1.2/1

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2935.847+/-1372.779 χ^2/NDF:0.9/1

Left: 2639.263+/-985.893 χ^2/NDF: 2.2/3

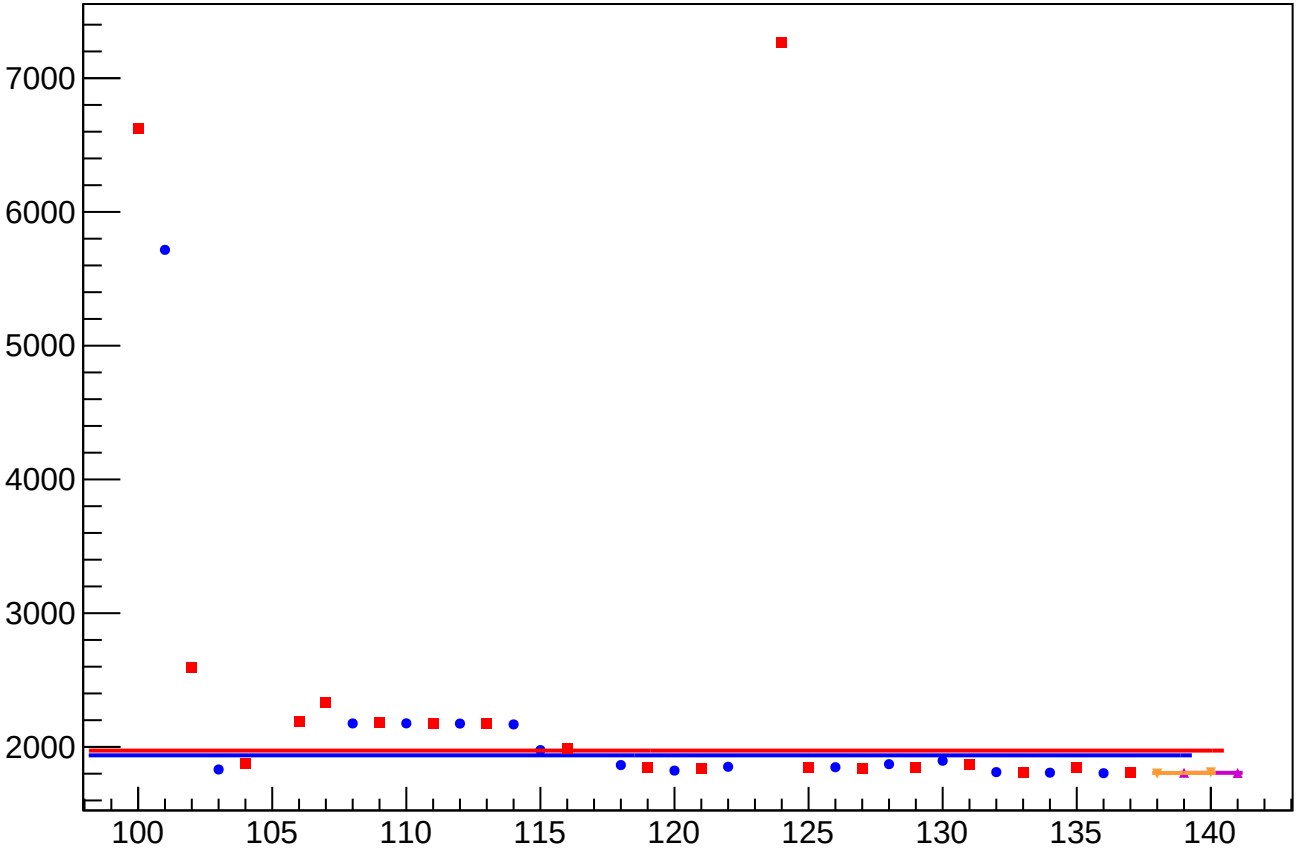
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2239.490+/-648.799 χ^2/NDF:17.6/17

Out: 1986.371+/-653.662 χ^2/NDF:19.8/20

All: 2113.876+/-460.480 χ^2/NDF: 37.5/38

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF:20.3/1

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1806.414+/-0.971 χ^2/NDF:0.7/1

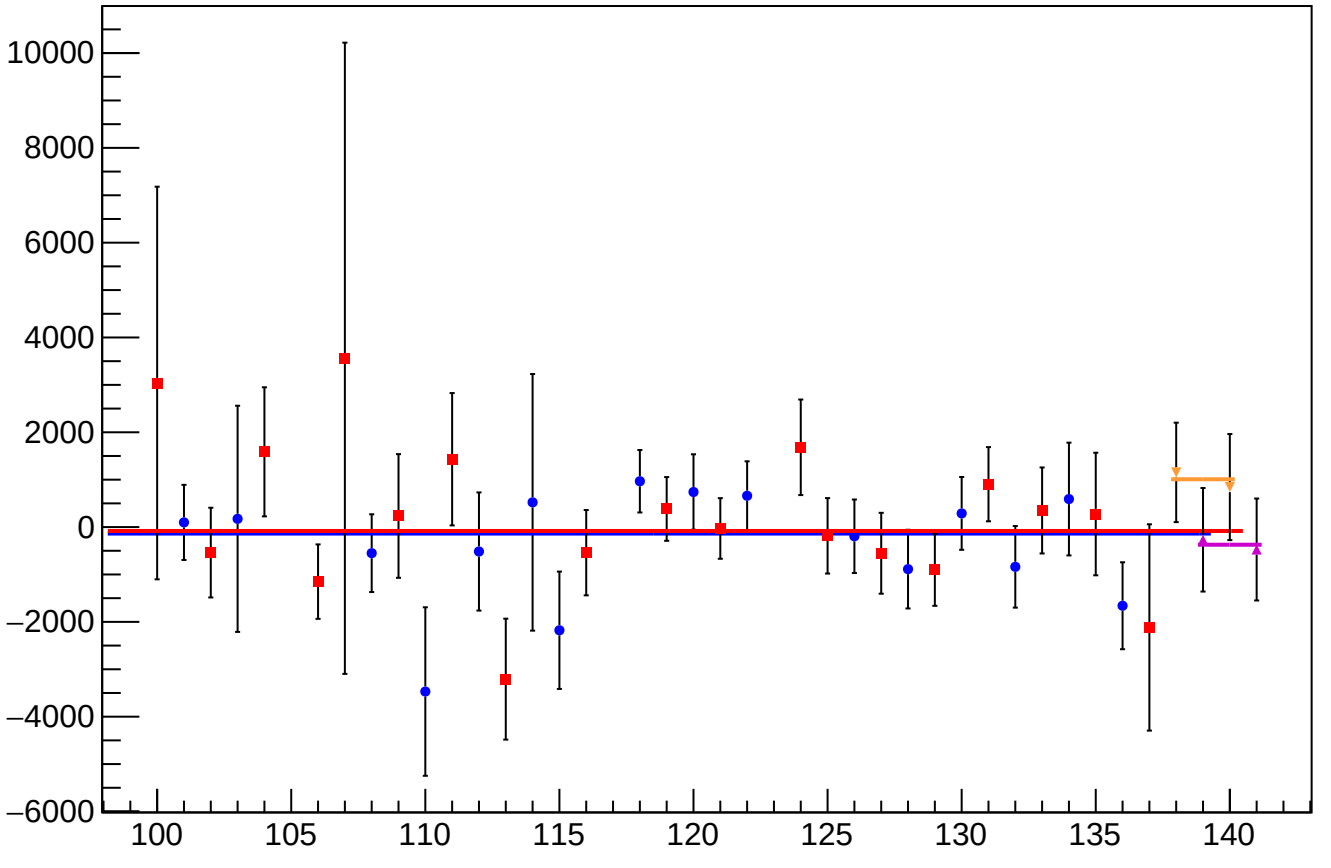
Left: 1805.875+/-0.697 χ^2/NDF: 21.5/3

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1908.027+/-0.459 χ^2/NDF:652202.4/17

Out: 1937.115+/-0.462 χ^2/NDF:399550.6/20

All: 1922.462+/-0.326 χ^2/NDF: 1053748.1/38



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: 1008.819+/-765.335 χ^2/NDF:0.0/1

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: -372.310+/-766.313 χ^2/NDF:0.0/1

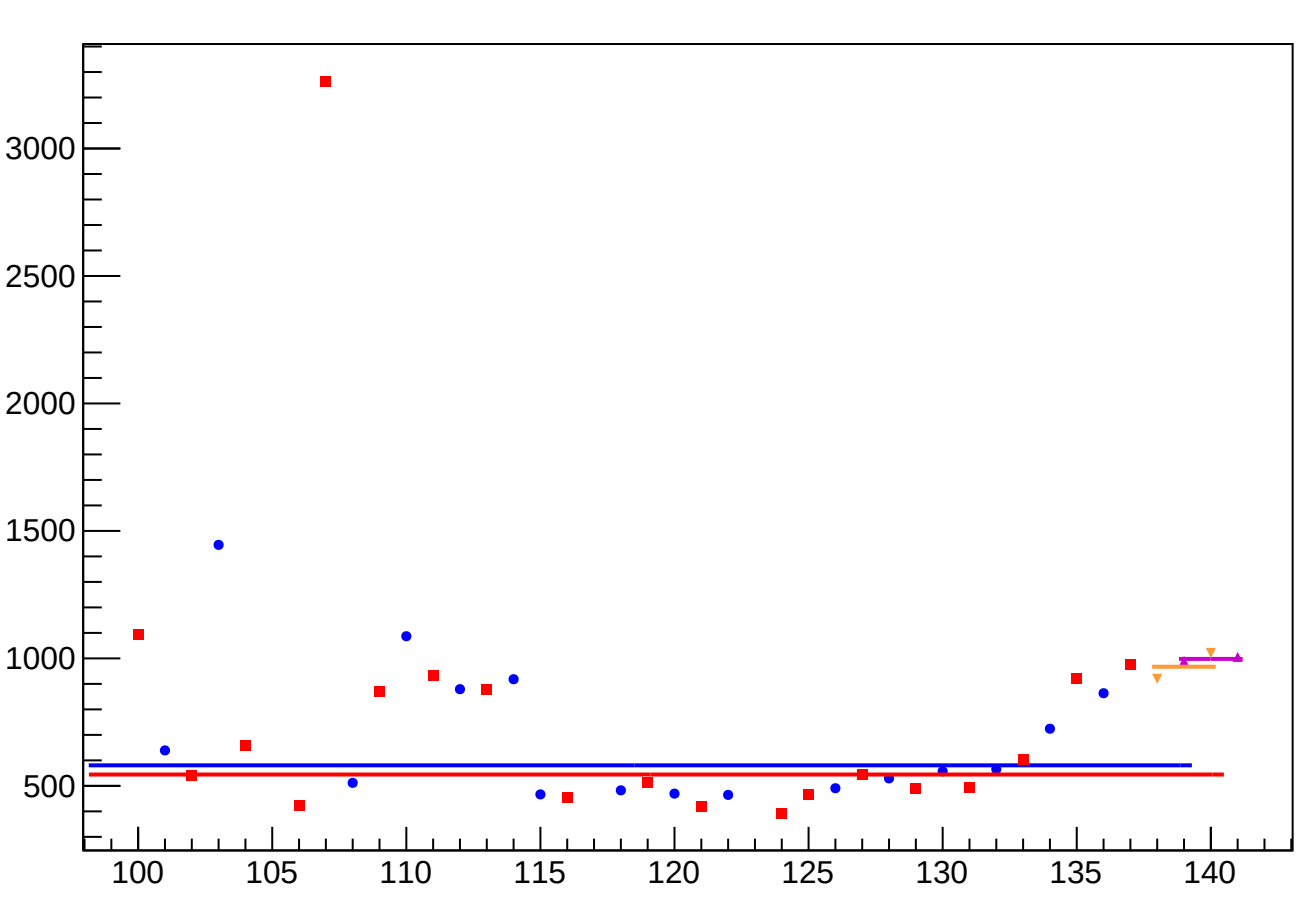
Left: 319.136+/-541.519 χ^2/NDF: 1.7/3

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -156.185+/-220.670 χ^2/NDF:17.0/17

Out: 2.398+/-213.228 χ^2/NDF:21.7/20

All: -74.174+/-153.338 χ^2/NDF: 38.9/38



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 967.342+/-0.541 χ^2/NDF:8714.1/1

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 998.003+/-0.542 χ^2/NDF:225.2/1

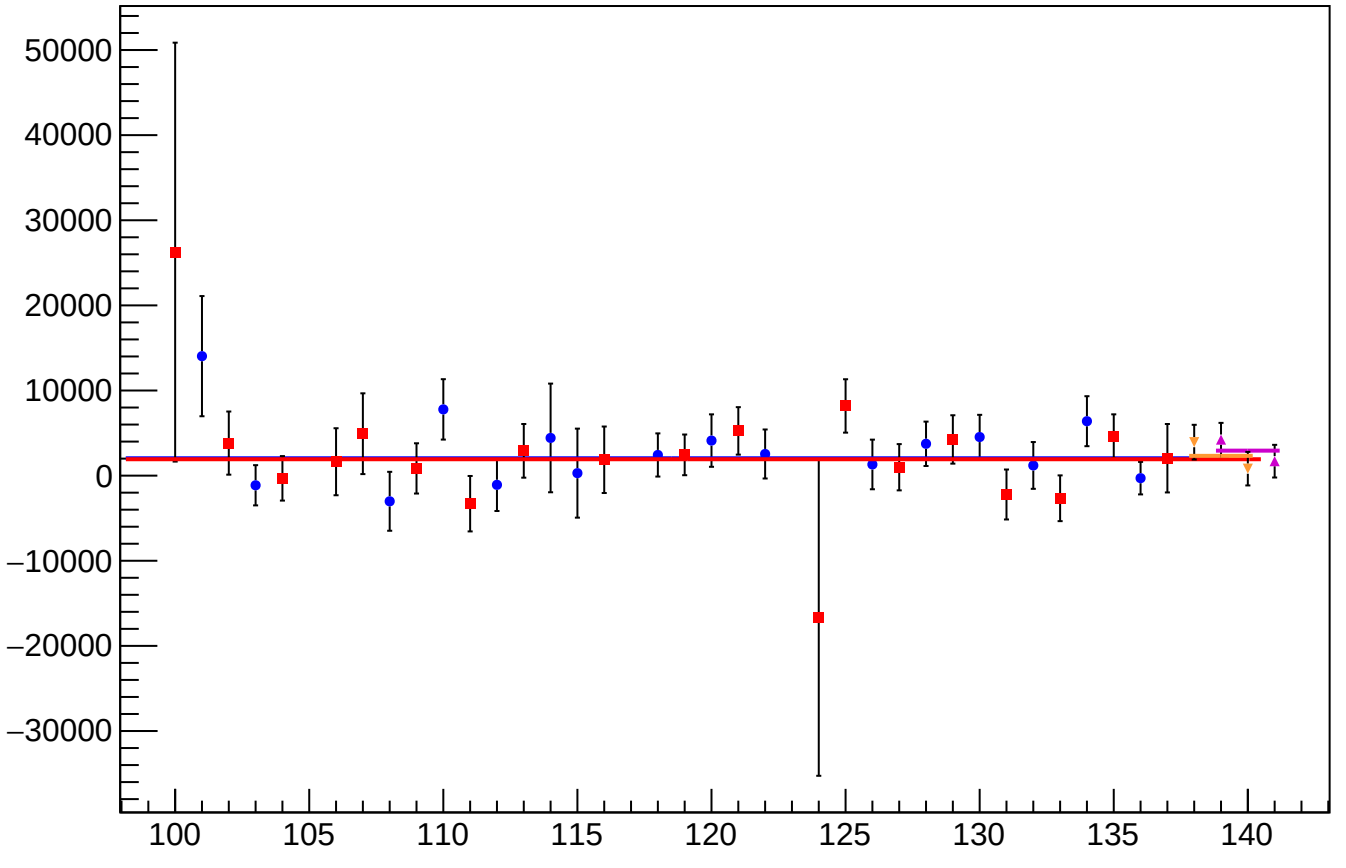
Left: 982.653+/-0.383 χ^2/NDF: 10542.2/3

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 615.222+/-0.156 χ^2/NDF:1547778.0/17

Out: 577.350+/-0.151 χ^2/NDF:1859385.1/20

All: 595.637+/-0.108 χ^2/NDF: 3437628.1/38



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2323.376+/-1416.790 χ^2/NDF:1.2/1

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2936.337+/-1372.779 χ^2/NDF:0.9/1

Left: 2639.525+/-985.893 χ^2/NDF: 2.2/3

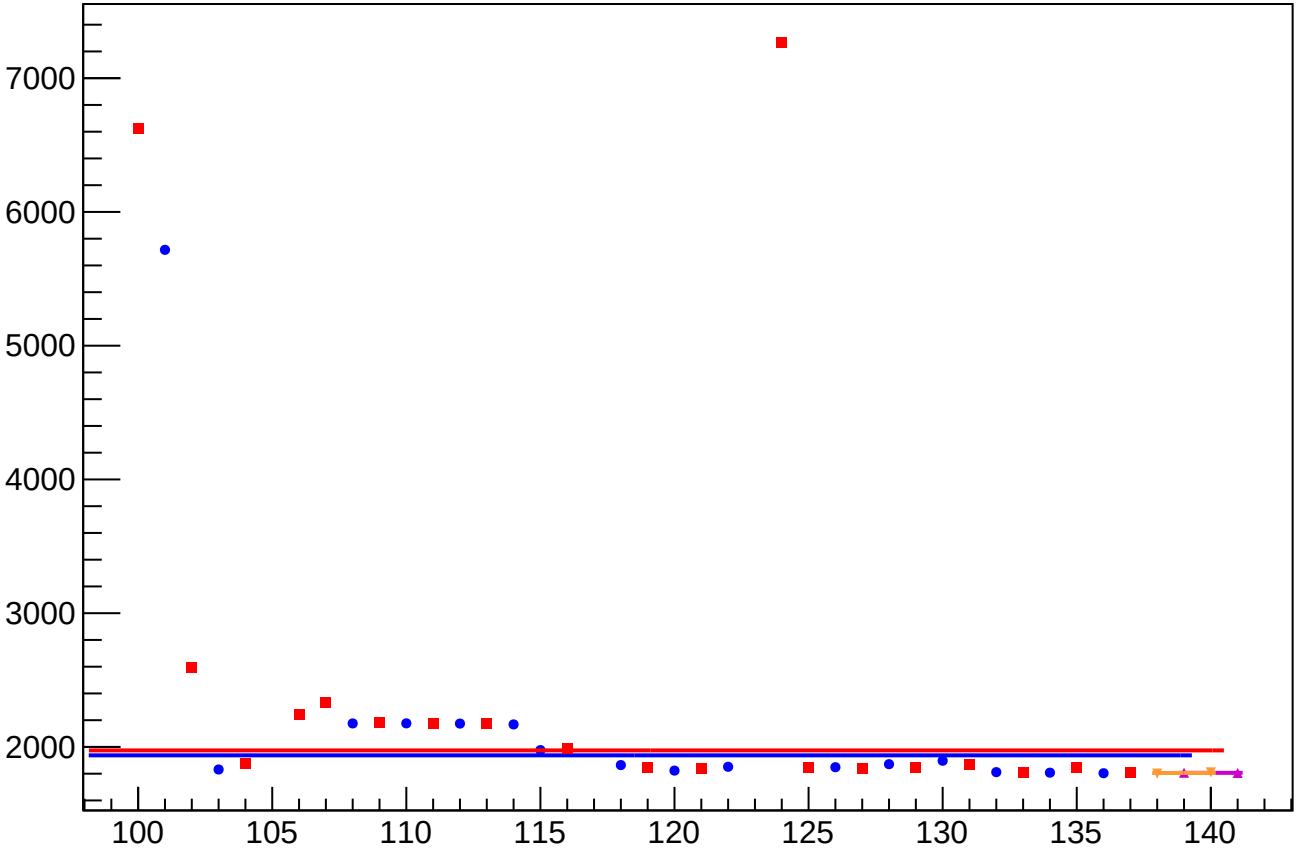
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2239.313+/-648.799 χ^2/NDF:17.6/17

Out: 2010.910+/-654.115 χ^2/NDF:19.7/20

All: 2126.043+/-460.638 χ^2/NDF: 37.4/38

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF:20.3/1

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1806.415+/-0.971 χ^2/NDF:0.7/1

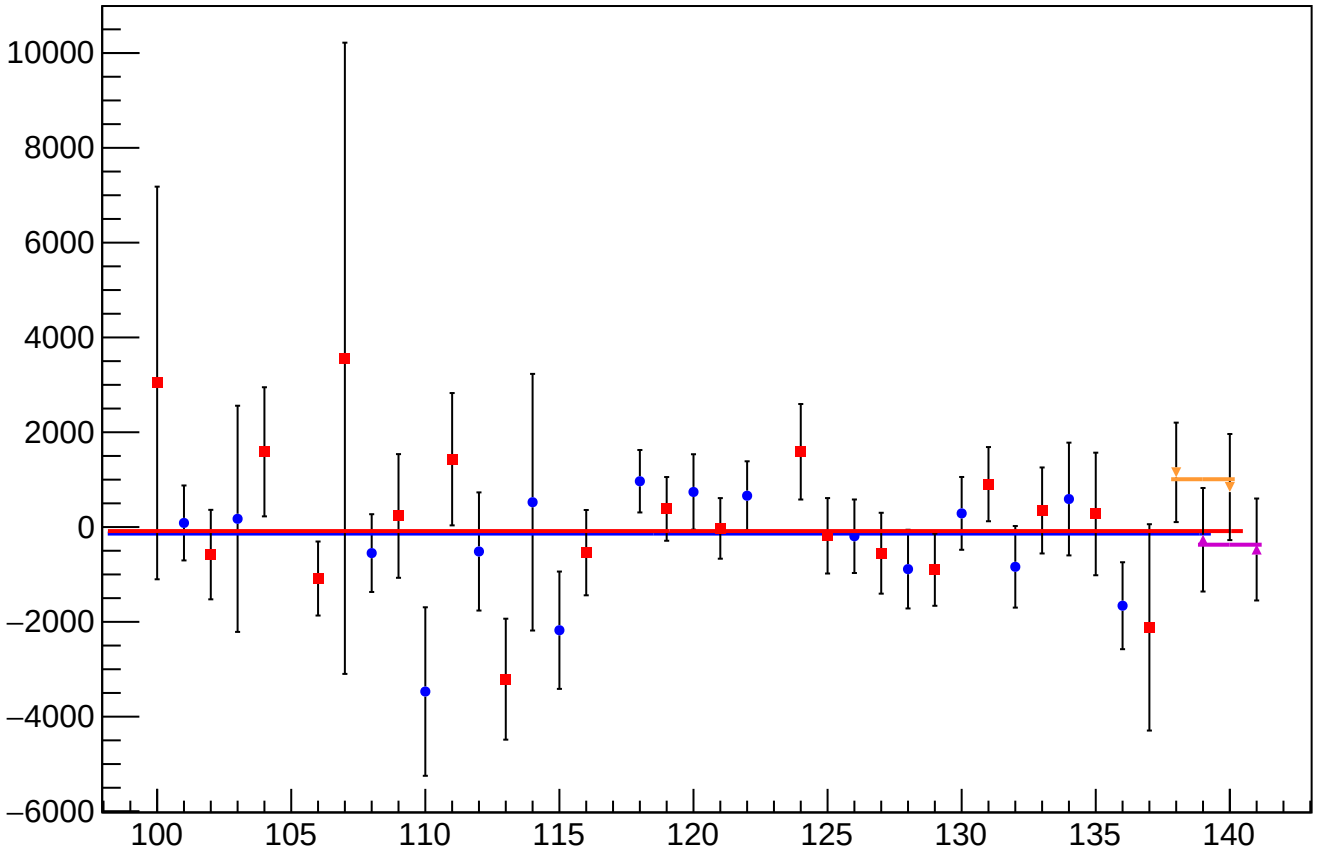
Left: 1805.875+/-0.697 χ^2/NDF: 21.5/3

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1908.026+/-0.459 χ^2/NDF:652202.4/17

Out: 1938.163+/-0.463 χ^2/NDF:402803.7/20

All: 1922.972+/-0.326 χ^2/NDF: 1057146.0/38



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 1008.849+/-765.333 χ^2/NDF:0.0/1

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -372.359+/-766.319 χ^2/NDF:0.0/1

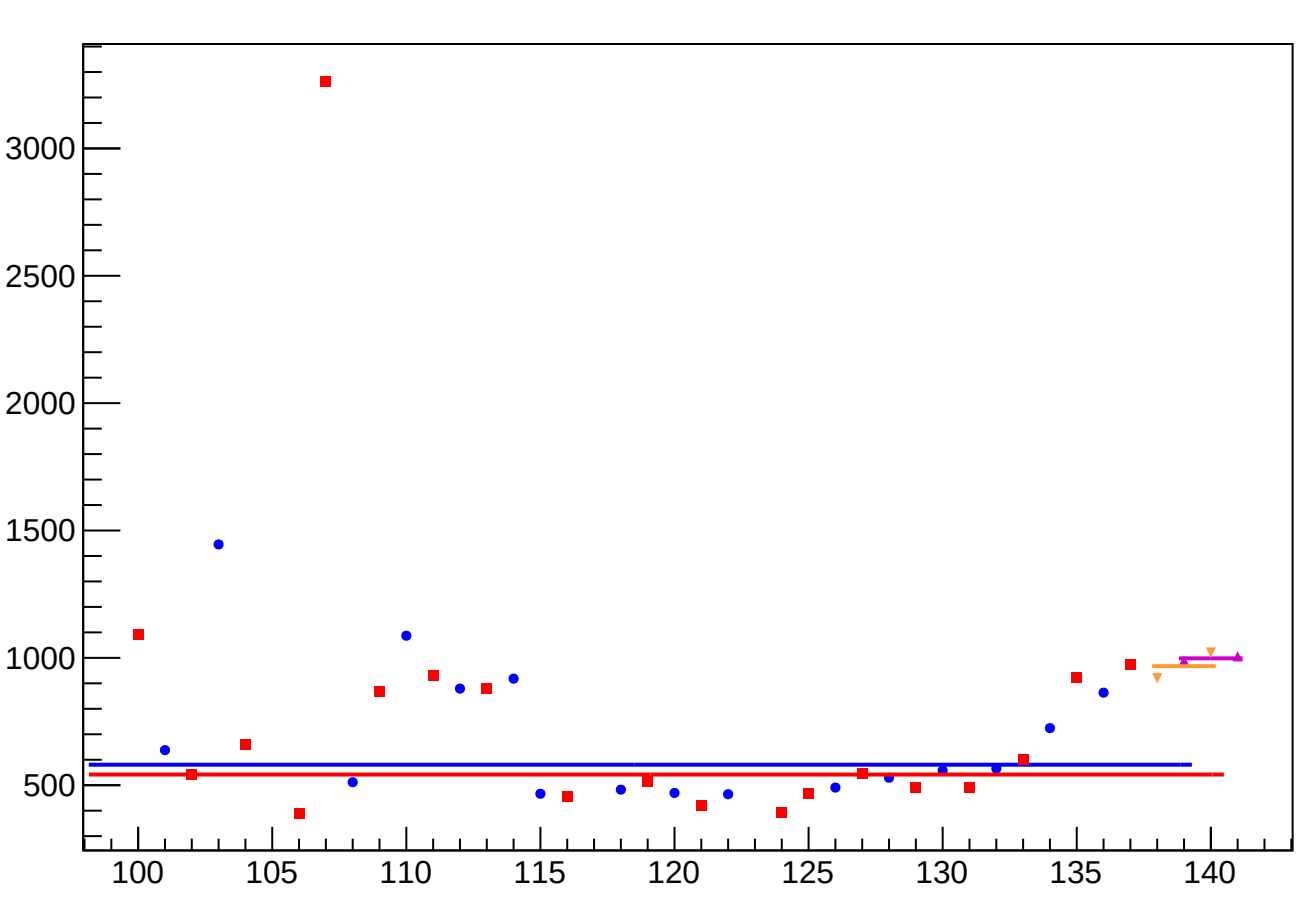
Left: 319.134+/-541.520 χ^2/NDF: 1.7/3

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -156.959+/-220.627 χ^2/NDF:17.0/17

Out: -0.142+/-213.106 χ^2/NDF:21.2/20

All: -75.832+/-153.279 χ^2/NDF: 38.5/38



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 967.339+/-0.541 χ^2/NDF:8712.0/1

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 998.009+/-0.542 χ^2/NDF:224.7/1

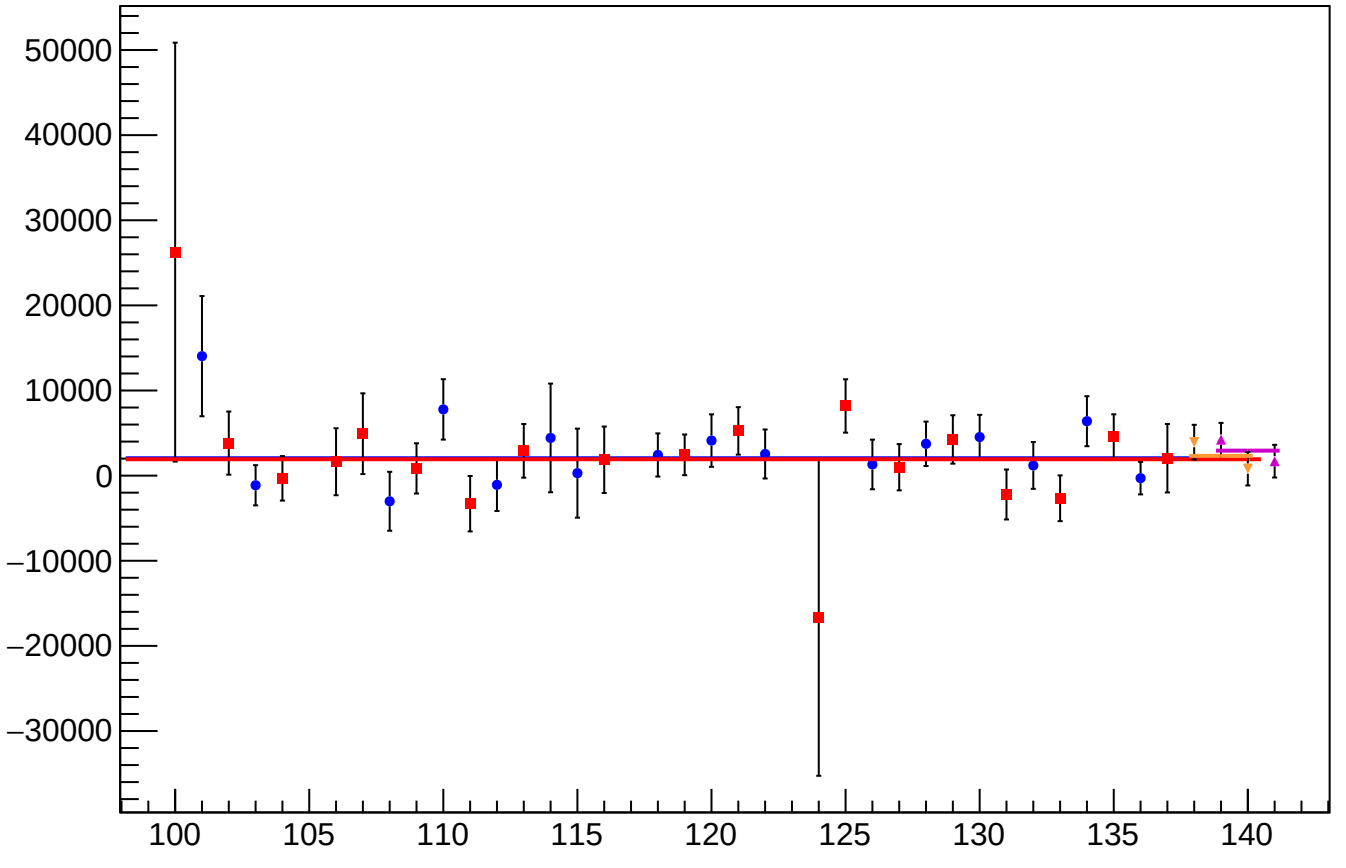
Left: 982.654+/-0.383 χ^2/NDF: 10540.7/3

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 615.124+/-0.156 χ^2/NDF:1547534.6/17

Out: 574.921+/-0.151 χ^2/NDF:1897561.9/20

All: 594.326+/-0.108 χ^2/NDF: 3479452.2/38



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2323.376+/-1416.790 χ^2/NDF:1.2/1

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2936.337+/-1372.779 χ^2/NDF:0.9/1

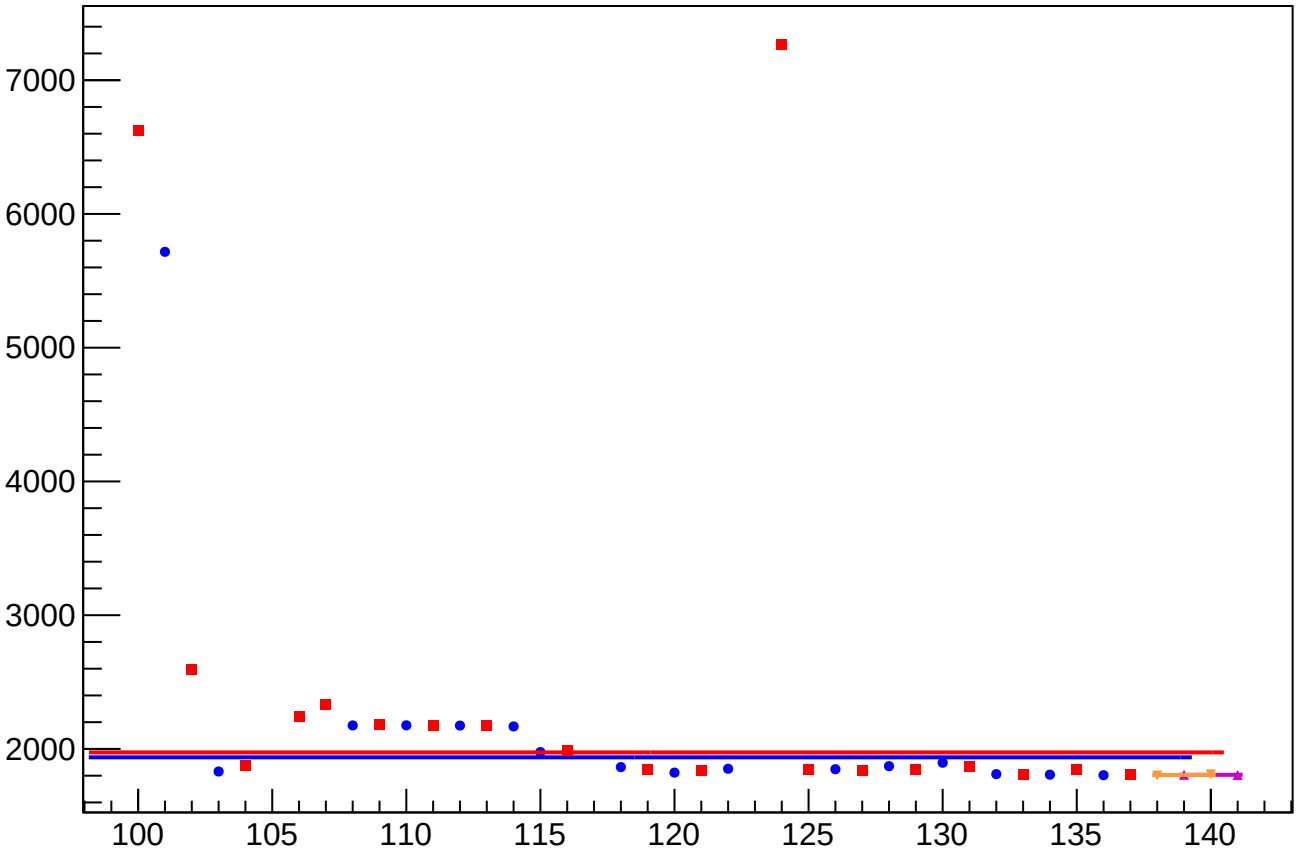
Left: 2639.525+/-985.893 χ^2/NDF: 2.2/3

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2239.313+/-648.799 χ^2/NDF:17.6/17

Out: 2010.910+/-654.115 χ^2/NDF:19.7/20

All: 2126.043+/-460.638 χ^2/NDF: 37.4/38



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1805.301+/-1.002 χ^2/NDF:20.3/1

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1806.415+/-0.971 χ^2/NDF:0.7/1

Left: 1805.875+/-0.697 χ^2/NDF: 21.5/3

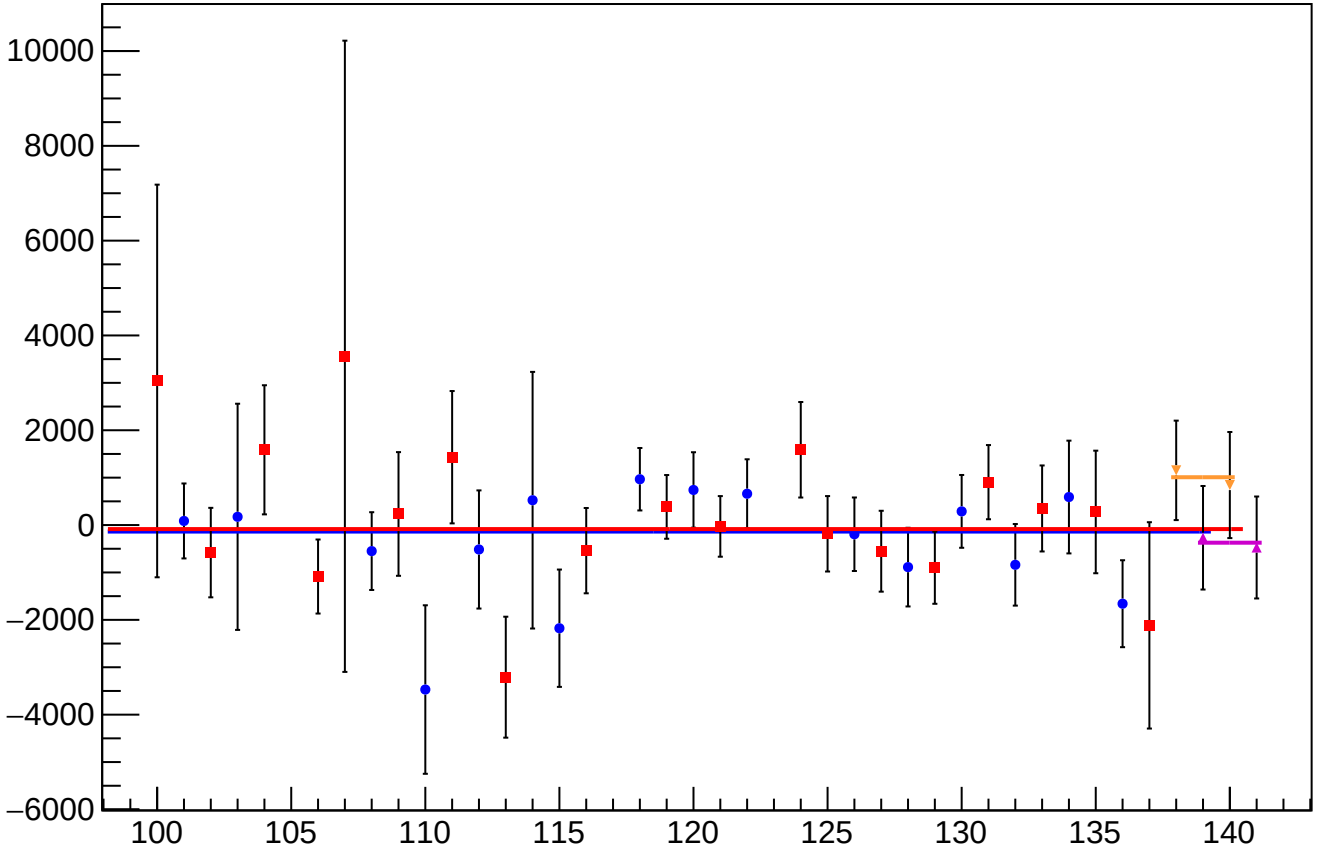
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1908.026+/-0.459 χ^2/NDF:652202.4/17

Out: 1938.163+/-0.463 χ^2/NDF:402803.7/20

All: 1922.972+/-0.326 χ^2/NDF: 1057146.0/38

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 1008.849+/-765.333 χ^2/NDF:0.0/1

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -372.359+/-766.319 χ^2/NDF:0.0/1

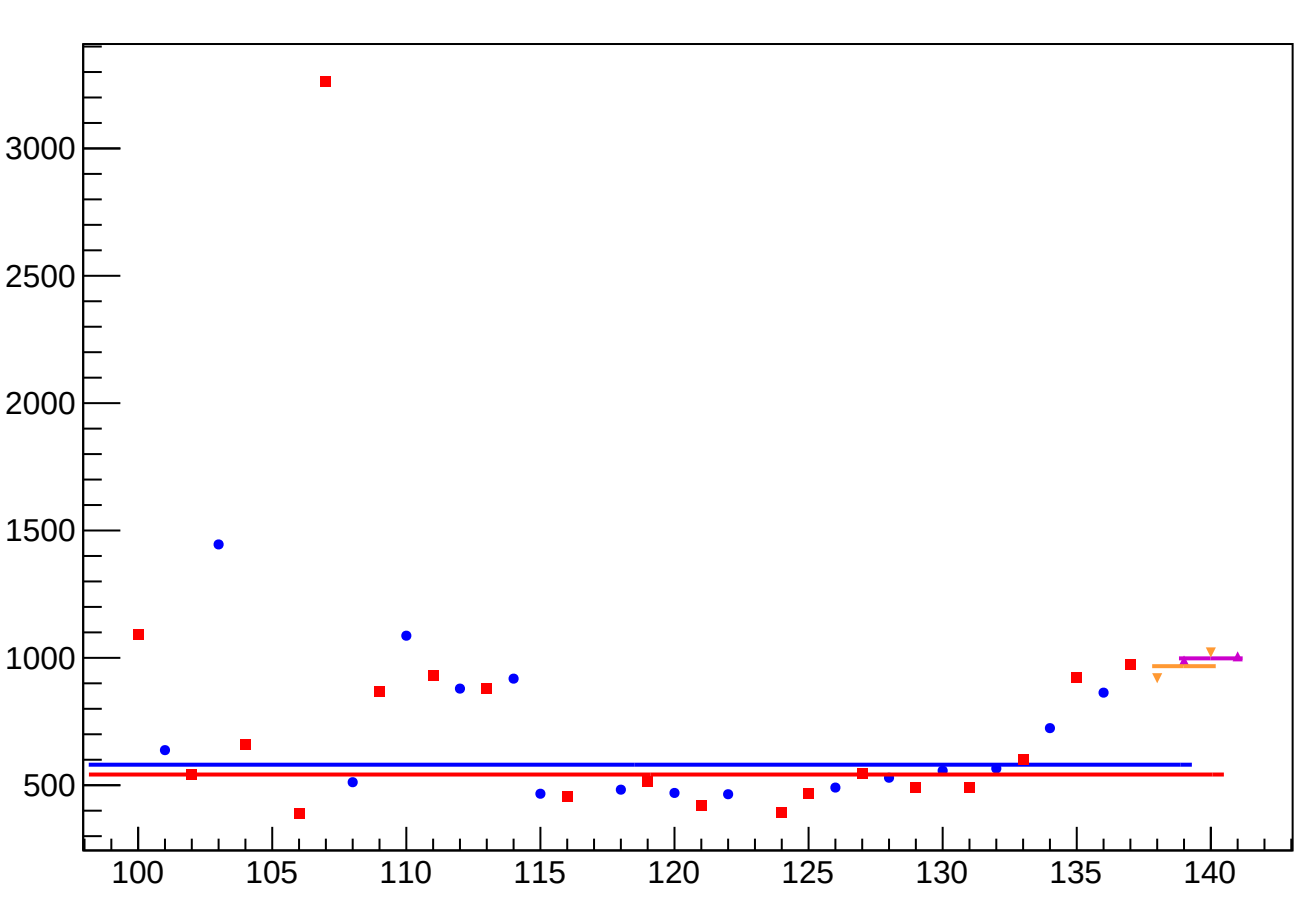
Left: 319.134+/-541.520 χ^2/NDF: 1.7/3

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -156.959+/-220.627 χ^2/NDF:17.0/17

Out: -0.142+/-213.106 χ^2/NDF:21.2/20

All: -75.832+/-153.279 χ^2/NDF: 38.5/38



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 967.339+/-0.541 χ^2/NDF:8712.0/1

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 998.009+/-0.542 χ^2/NDF:224.7/1

Left: 982.654+/-0.383 χ^2/NDF: 10540.7/3

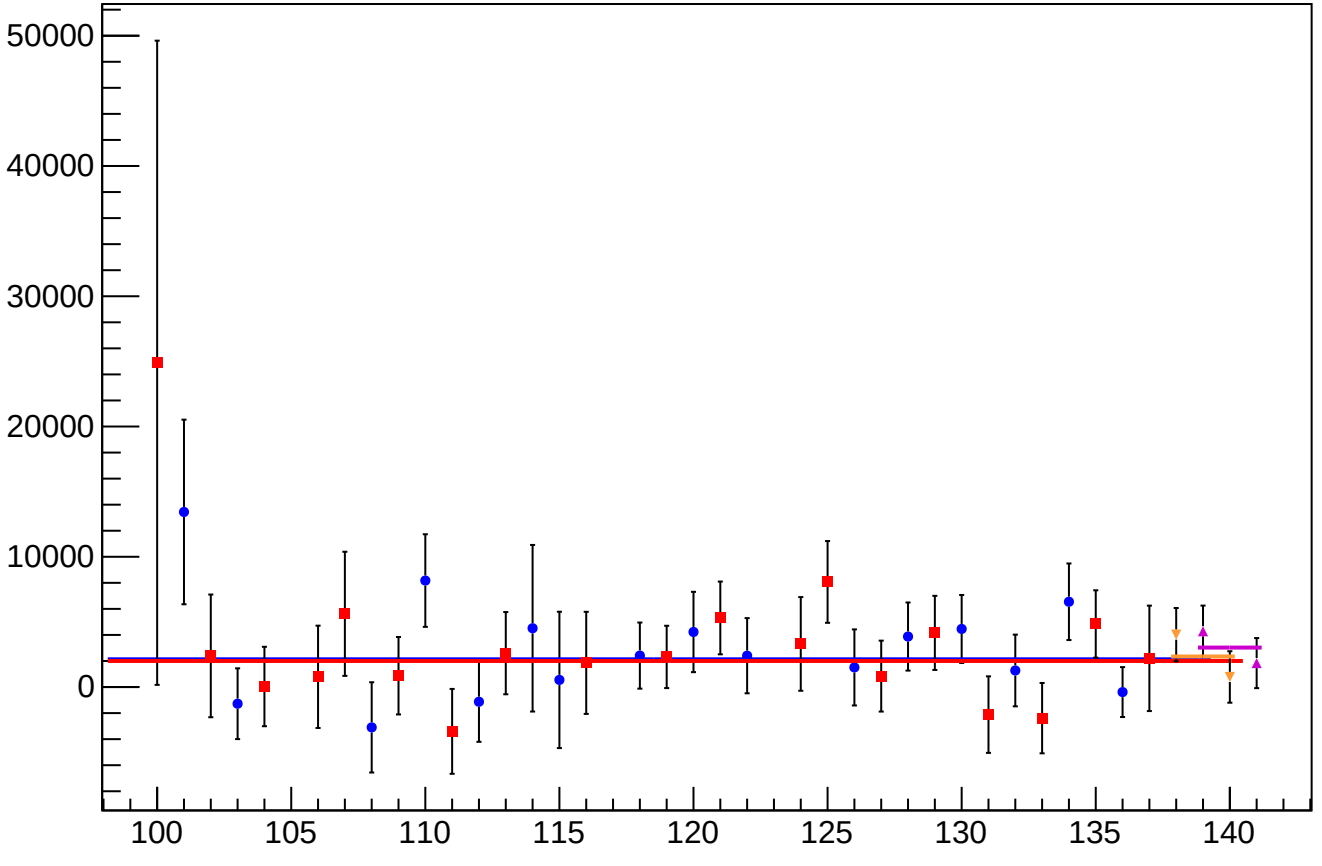
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 615.124+/-0.156 χ^2/NDF:1547534.6/17

Out: 574.921+/-0.151 χ^2/NDF:1897561.9/20

All: 594.326+/-0.108 χ^2/NDF: 3479452.2/38

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2345.078+/-1419.931 χ^2/NDF:1.3/1

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 3030.413+/-1375.592 χ^2/NDF:0.8/1

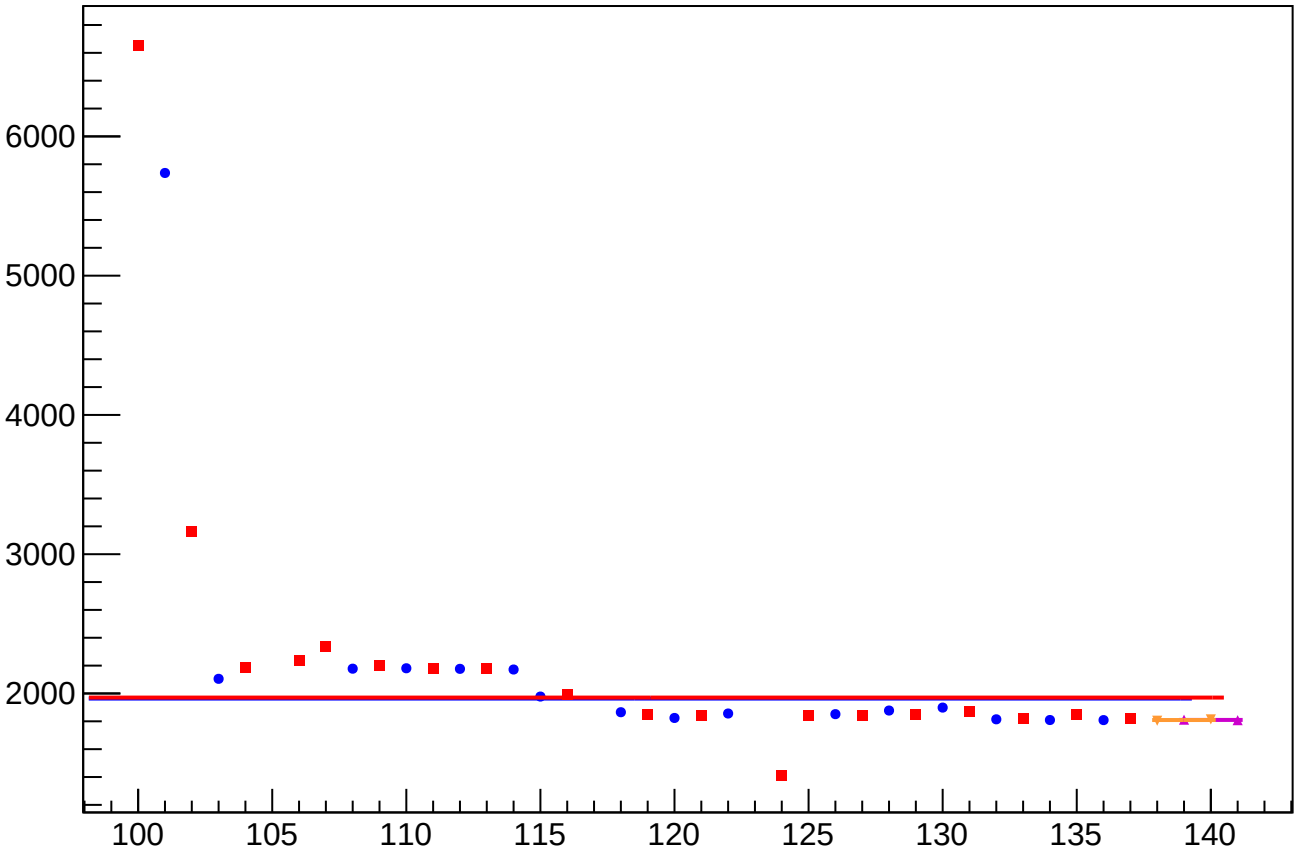
Left: 2698.613+/-987.994 χ^2/NDF: 2.2/3

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2333.767+/-655.939 χ^2/NDF:17.6/17

Out: 2075.014+/-654.272 χ^2/NDF:18.1/20

All: 2204.061+/-463.228 χ^2/NDF: 35.8/38



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1809.275+/-1.004 χ^2/NDF:23.0/1

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1809.974+/-0.973 χ^2/NDF:3.5/1

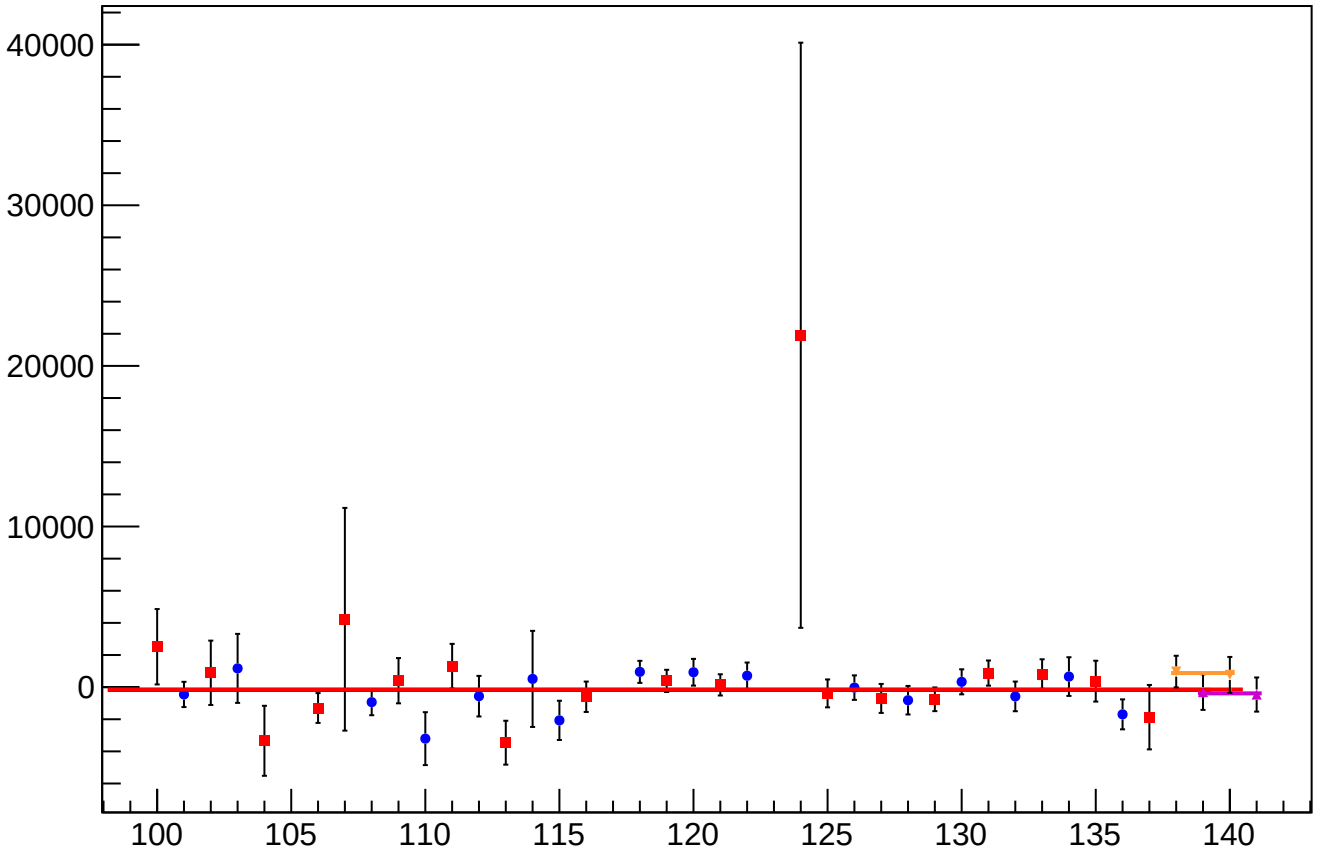
Left: 1809.635+/-0.699 χ^2/NDF: 26.7/3

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1928.526+/-0.464 χ^2/NDF:659484.2/17

Out: 1936.237+/-0.463 χ^2/NDF:365455.8/20

All: 1932.391+/-0.328 χ^2/NDF: 1025078.5/38



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: 879.055+/-738.453 χ^2/NDF:0.0/1

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: -388.220+/-766.579 χ^2/NDF:0.0/1

Left: 269.092+/-531.830 χ^2/NDF: 1.4/3

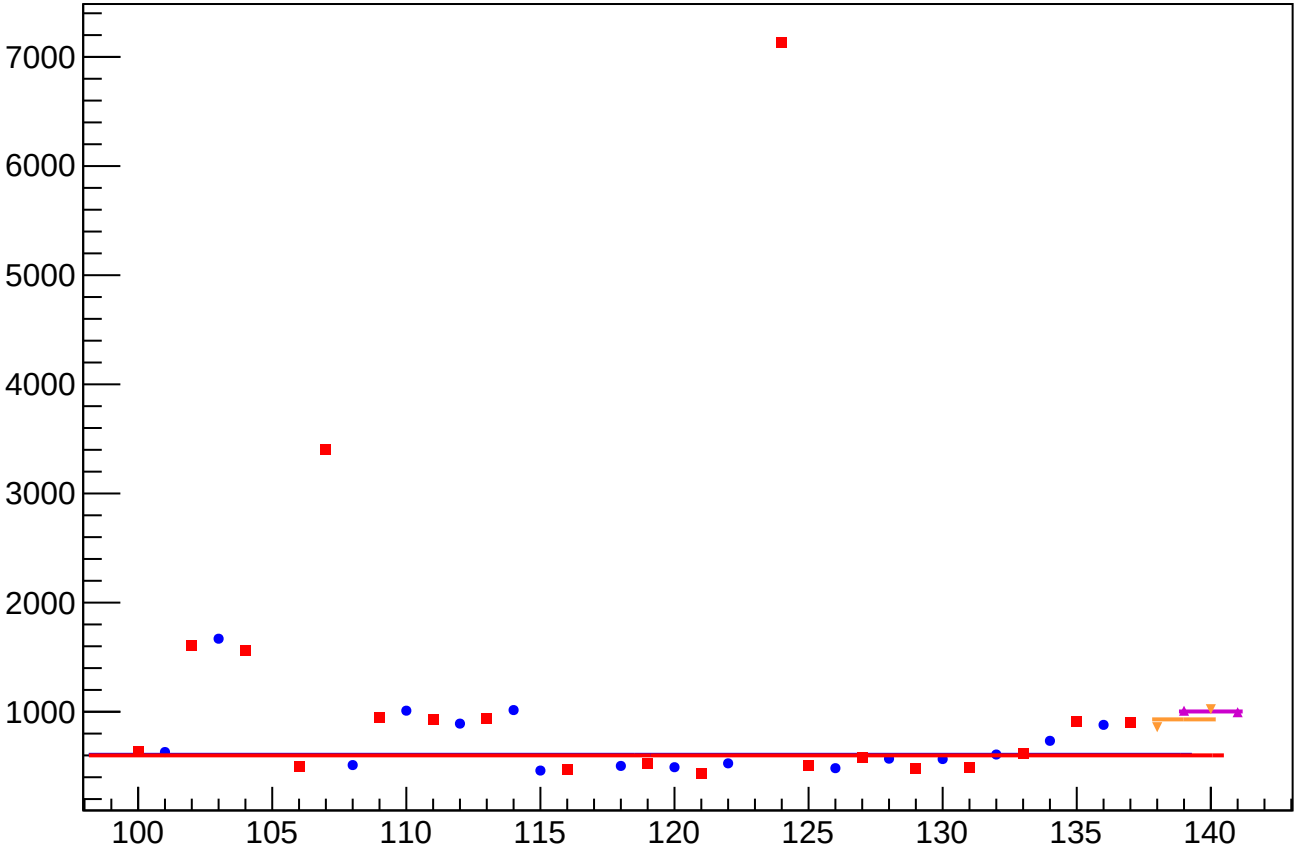
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -189.732+/-226.349 χ^2/NDF:17.3/17

Out: -47.305+/-230.693 χ^2/NDF:21.9/20

All: -119.872+/-161.567 χ^2/NDF: 39.4/38

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 930.171+/-0.522 χ^2/NDF:24466.5/1

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 1002.556+/-0.542 χ^2/NDF:160.9/1

Left: 965.011+/-0.376 χ^2/NDF: 33876.9/3

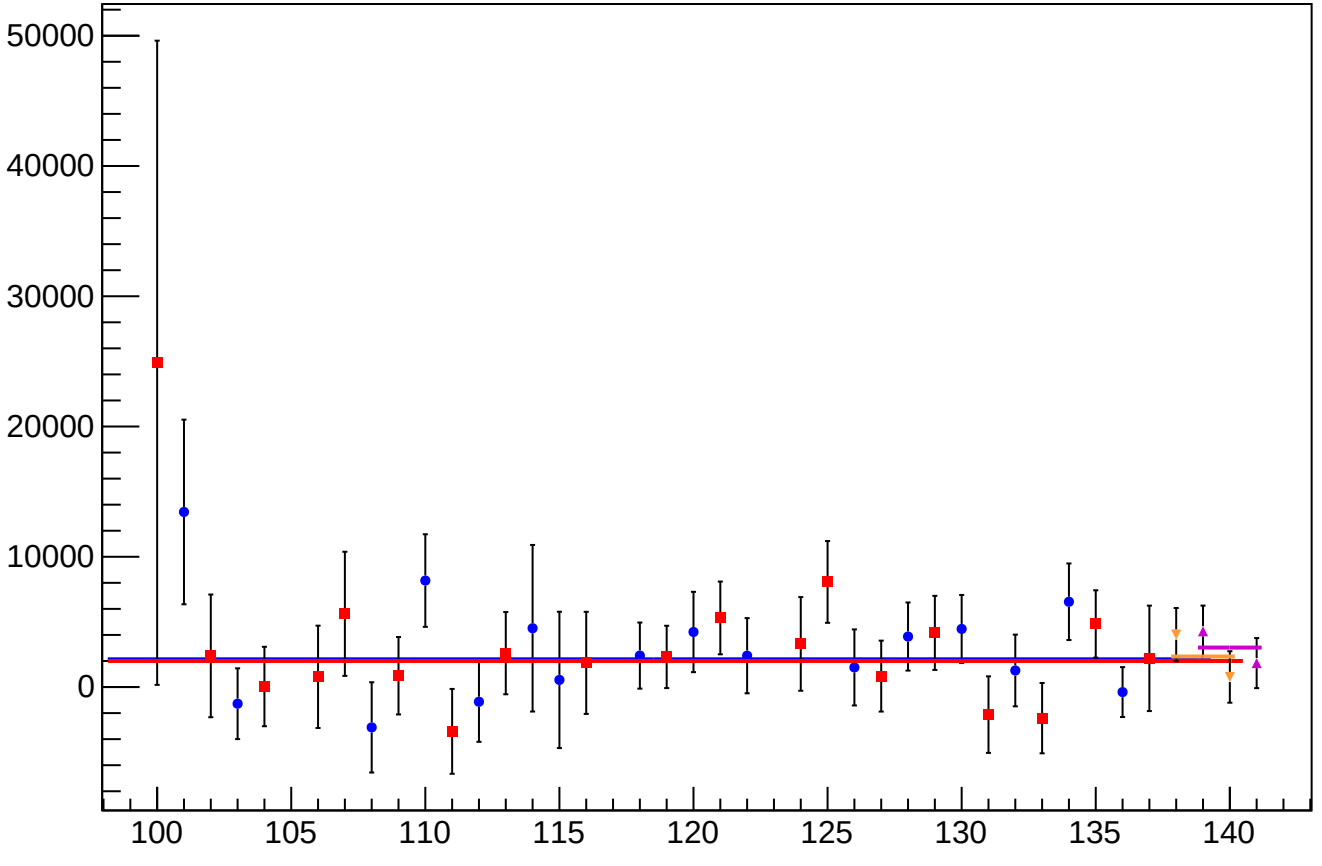
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 640.053+/-0.160 χ^2/NDF:1652570.8/17

Out: 632.626+/-0.163 χ^2/NDF:2712812.8/20

All: 636.410+/-0.114 χ^2/NDF: 4366439.9/38

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2345.079+/-1419.931 χ^2/NDF:1.3/1

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 3030.412+/-1375.592 χ^2/NDF:0.8/1

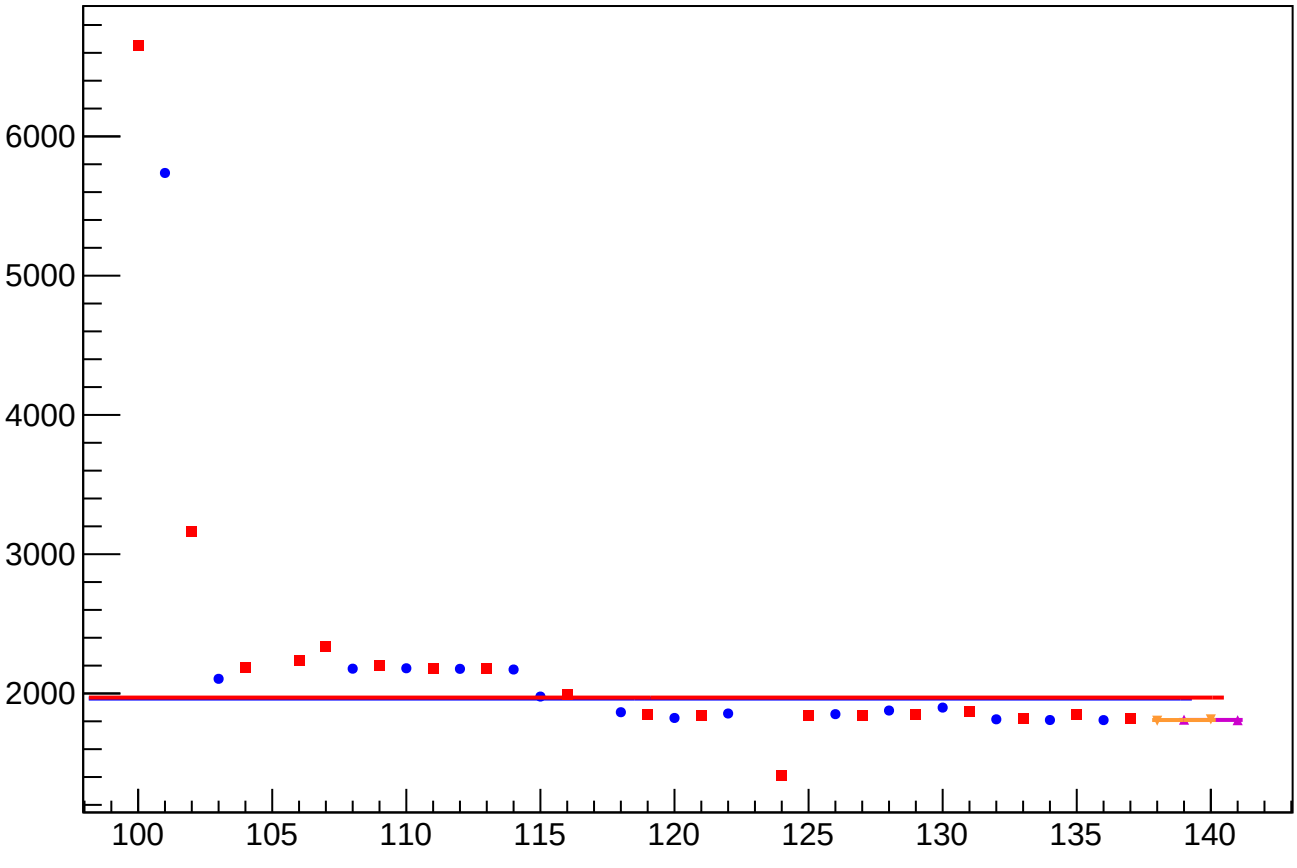
Left: 2698.613+/-987.994 χ^2/NDF: 2.2/3

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2333.765+/-655.939 χ^2/NDF:17.6/17

Out: 2075.013+/-654.272 χ^2/NDF:18.1/20

All: 2204.060+/-463.228 χ^2/NDF: 35.8/38



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1809.275+/-1.004 χ^2/NDF:23.0/1

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1809.974+/-0.973 χ^2/NDF:3.5/1

Left: 1809.635+/-0.699 χ^2/NDF: 26.7/3

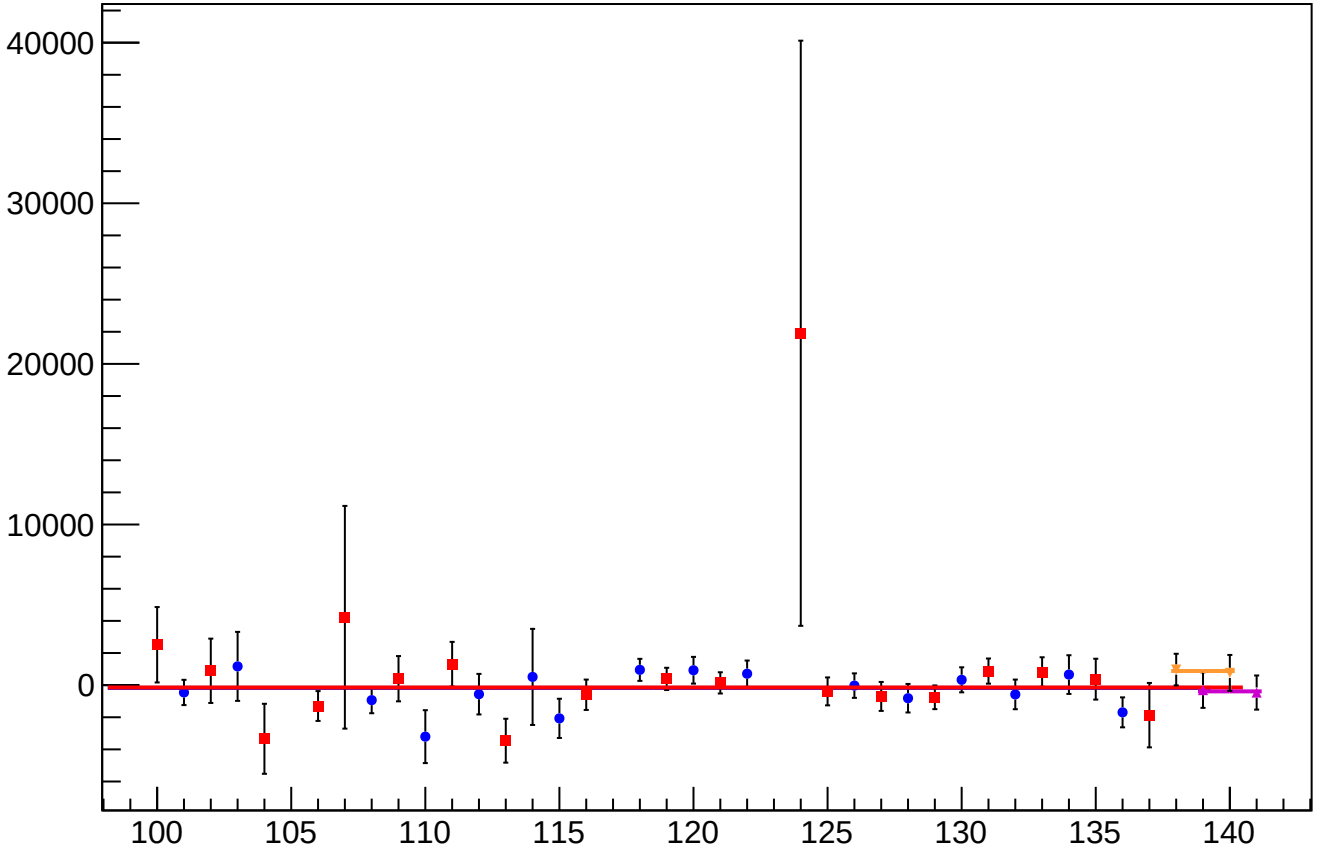
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1928.526+/-0.464 χ^2/NDF:659483.8/17

Out: 1936.237+/-0.463 χ^2/NDF:365454.4/20

All: 1932.391+/-0.328 χ^2/NDF: 1025076.8/38

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: 879.057+/-738.453 χ^2/NDF:0.0/1

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: -388.222+/-766.579 χ^2/NDF:0.0/1

Left: 269.092+/-531.831 χ^2/NDF: 1.4/3

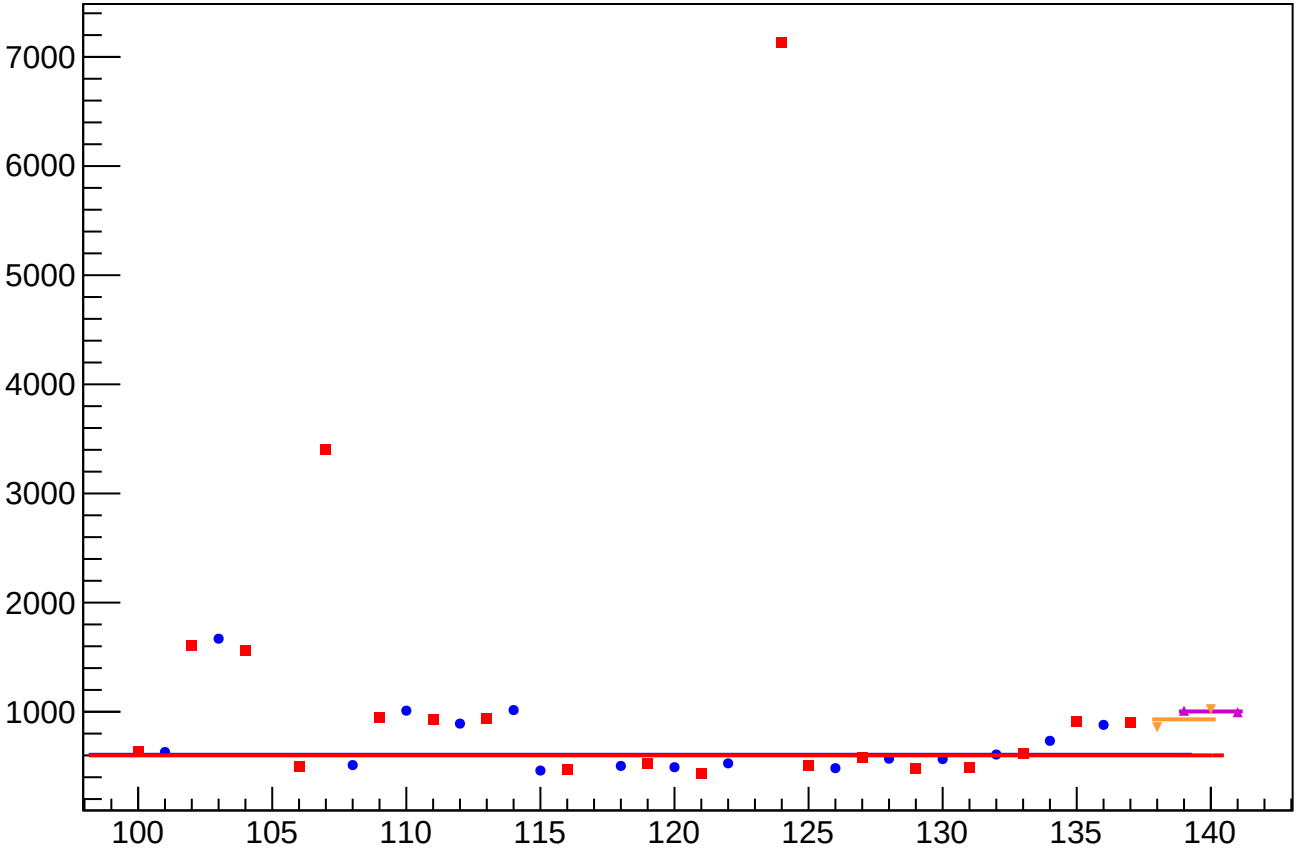
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -189.731+/-226.349 χ^2/NDF:17.3/17

Out: -47.304+/-230.693 χ^2/NDF:21.9/20

All: -119.871+/-161.567 χ^2/NDF: 39.4/38

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 930.171+/-0.522 χ^2/NDF:24466.9/1

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 1002.557+/-0.542 χ^2/NDF:160.9/1

Left: 965.012+/-0.376 χ^2/NDF: 33877.2/3

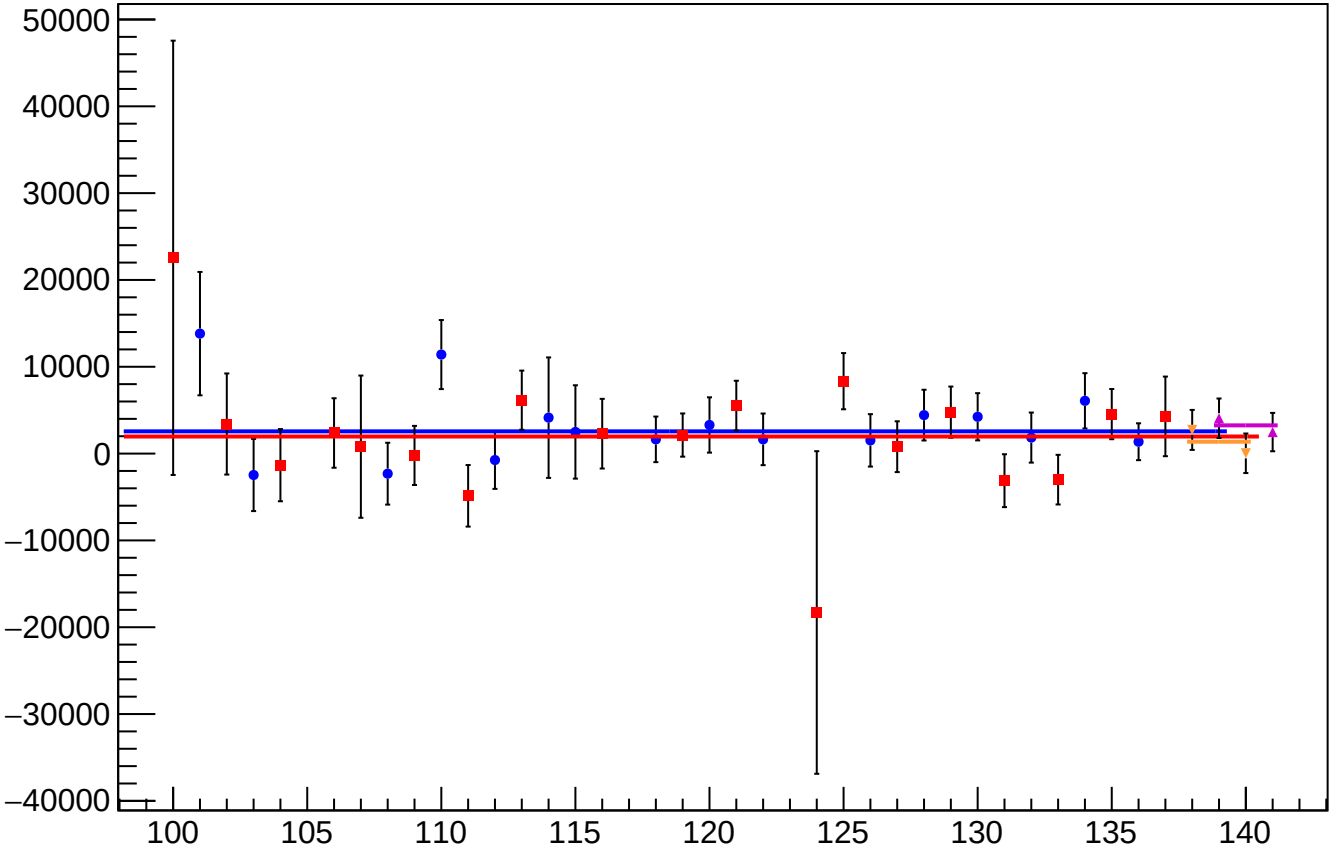
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 640.052+/-0.160 χ^2/NDF:1652582.5/17

Out: 632.625+/-0.163 χ^2/NDF:2712823.5/20

All: 636.409+/-0.114 χ^2/NDF: 4366462.2/38

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1366.074+/-1619.159 χ^2/NDF:0.7/1

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 3250.917+/-1584.300 χ^2/NDF:0.3/1

Left: 2329.004+/-1132.393 χ^2/NDF: 1.6/3

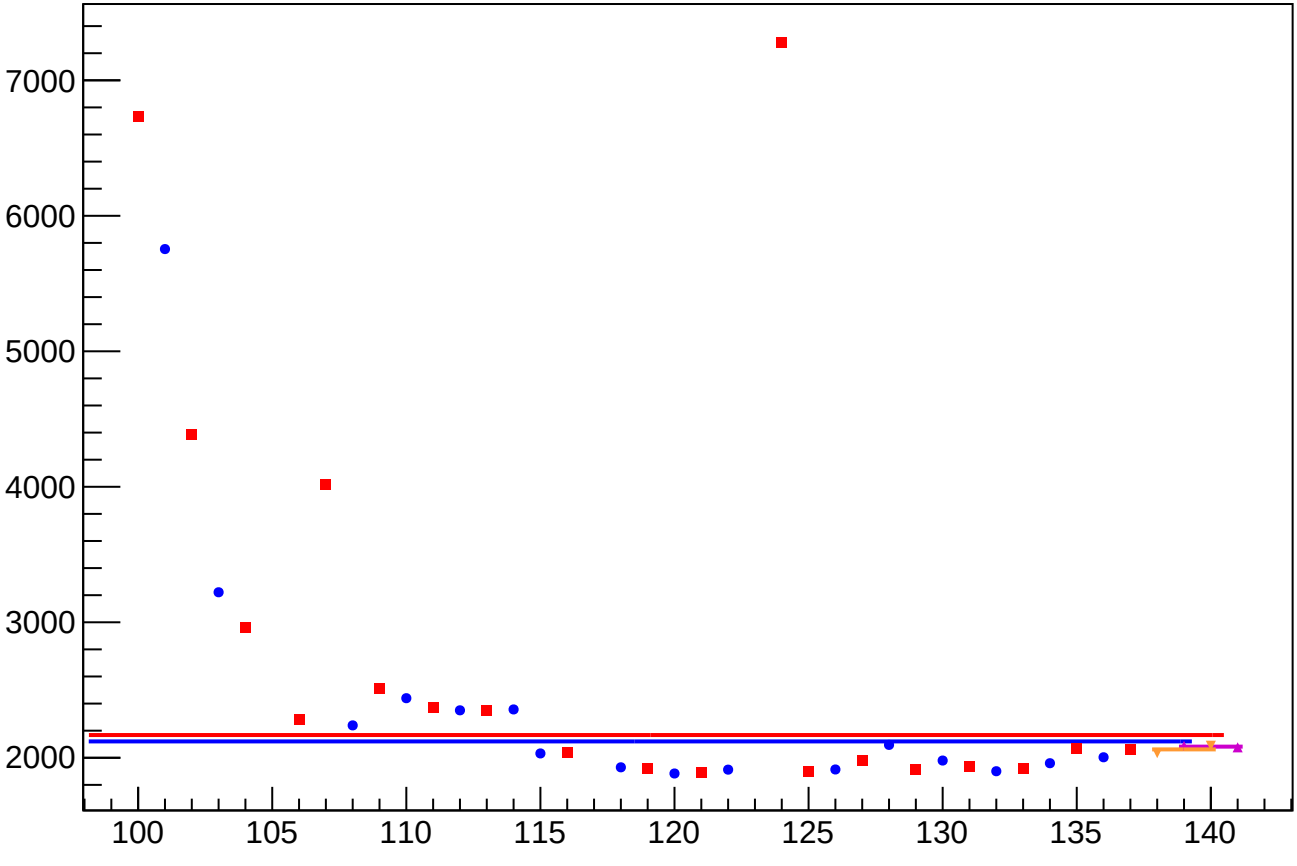
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2703.850+/-720.965 χ^2/NDF:15.0/17

Out: 1844.399+/-730.713 χ^2/NDF:22.4/20

All: 2279.895+/-513.211 χ^2/NDF: 38.1/38

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2061.876+/-1.145 χ^2/NDF:565.3/1

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2082.264+/-1.120 χ^2/NDF:21.5/1

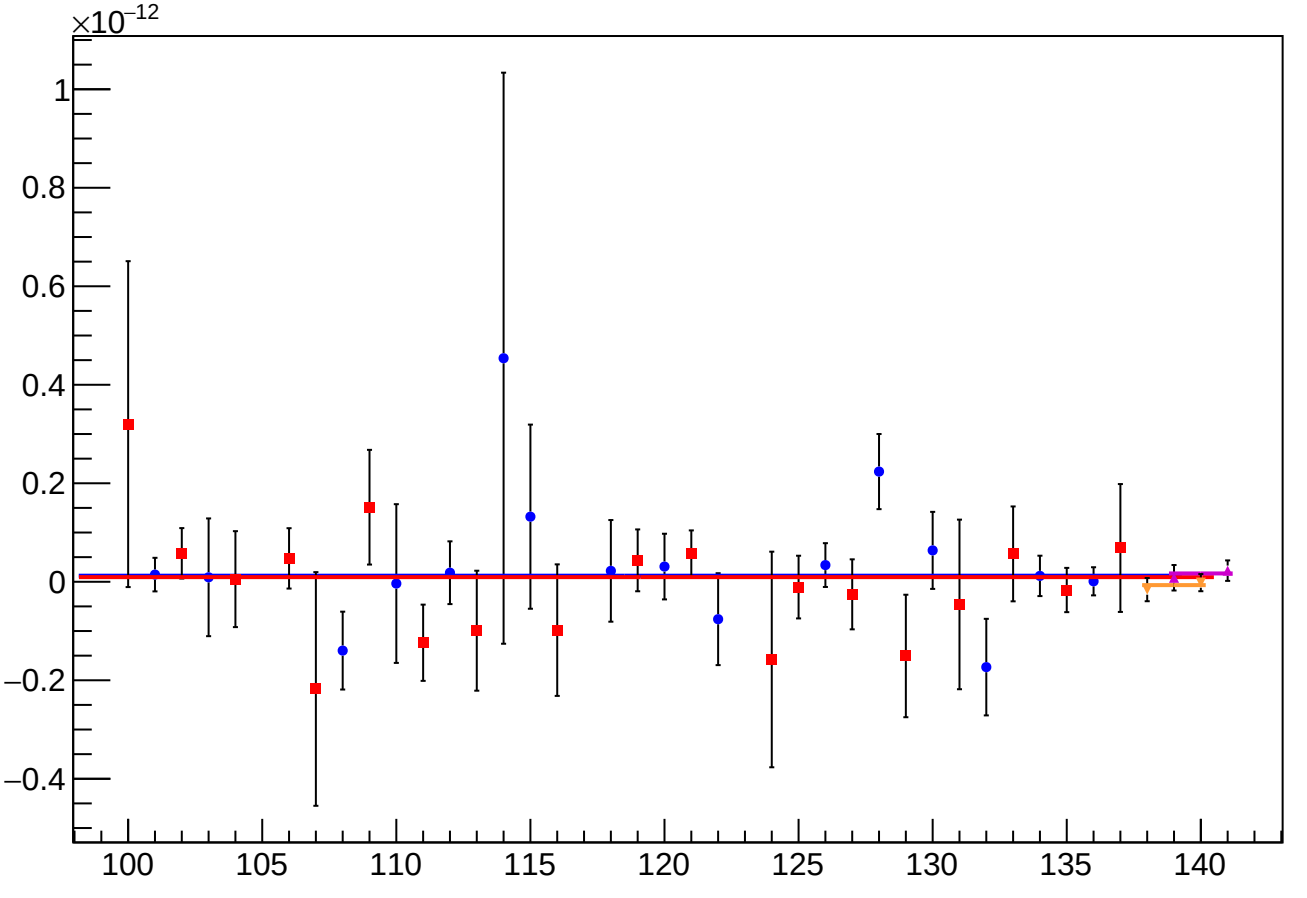
Left: 2072.292+/-0.801 χ^2/NDF: 748.8/3

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2112.802+/-0.510 χ^2/NDF:760927.8/17

Out: 2146.259+/-0.517 χ^2/NDF:831312.1/20

All: 2129.306+/-0.363 χ^2/NDF: 1594364.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

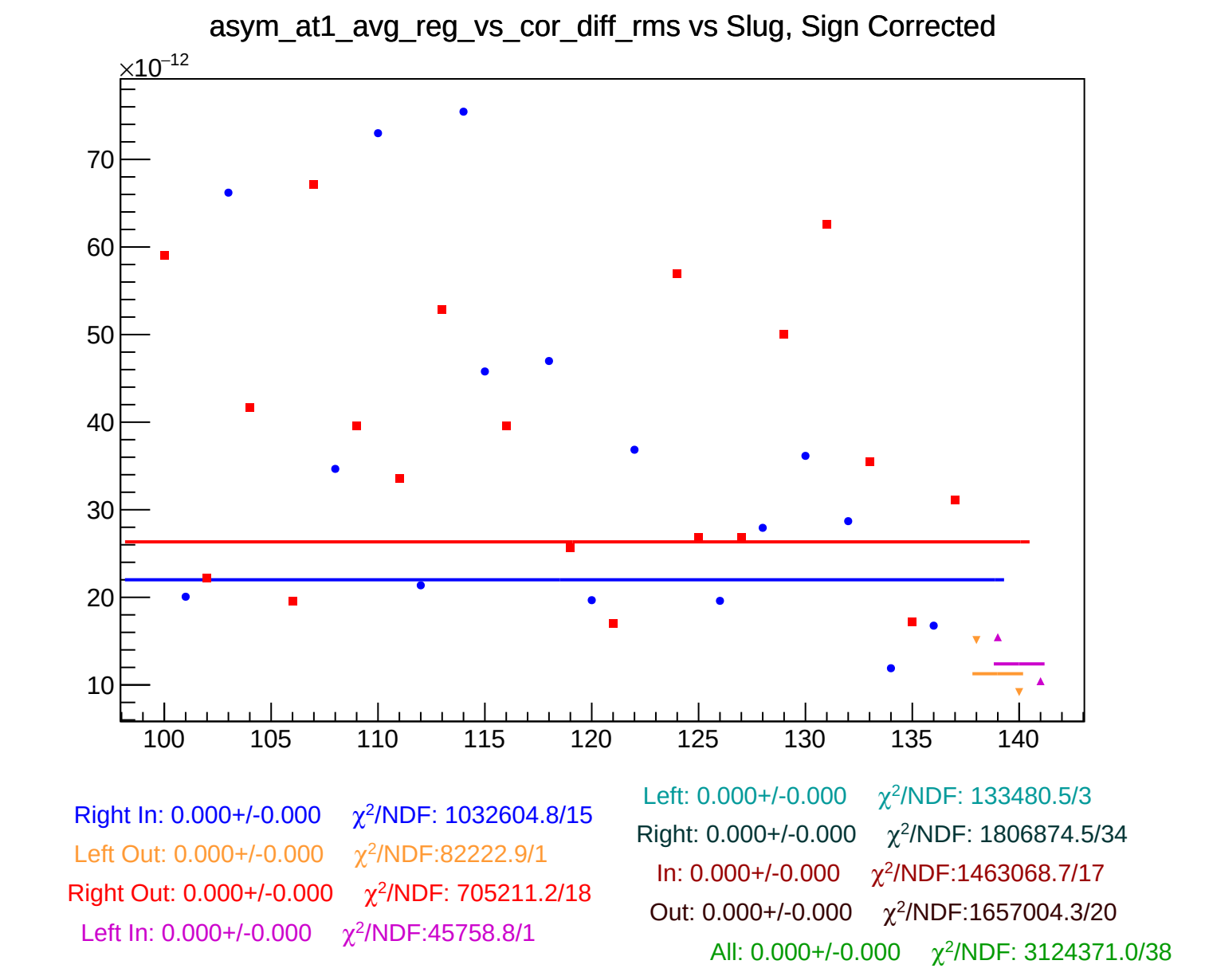
Left: 0.000+/-0.000 χ^2/NDF: 1.6/3

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

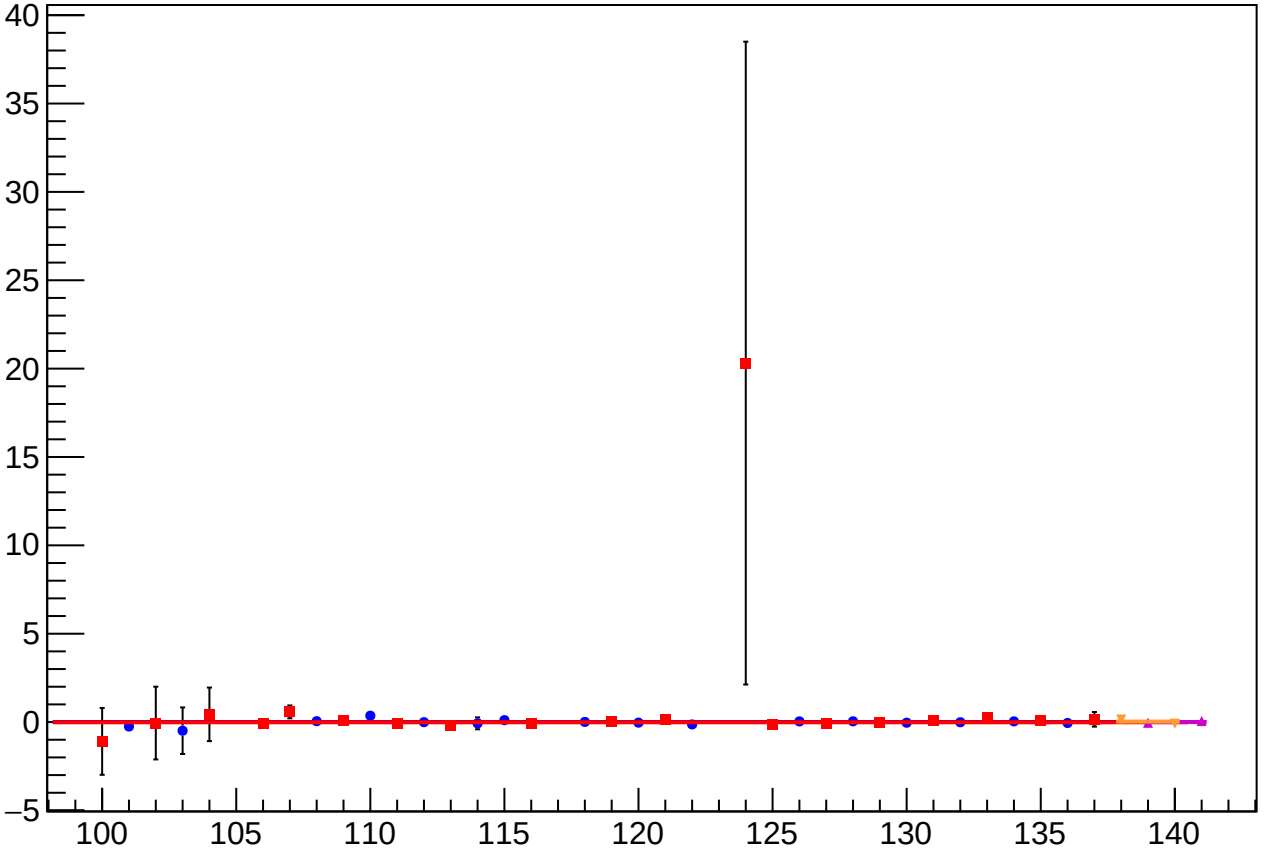
In: 0.000+/-0.000 χ^2/NDF:18.0/17

Out: -0.000+/-0.000 χ^2/NDF:14.5/20

All: 0.000+/-0.000 χ^2/NDF: 33.5/38


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:82222.9/1
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:45758.8/1
Left: 0.000+/-0.000 χ²/NDF: 133480.5/3
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:1463068.7/17
Out: 0.000+/-0.000 χ²/NDF:1657004.3/20
All: 0.000+/-0.000 χ²/NDF: 3124371.0/38

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.027+/-0.067 χ^2/NDF:3.1/1

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.051 χ^2/NDF:1.0/1

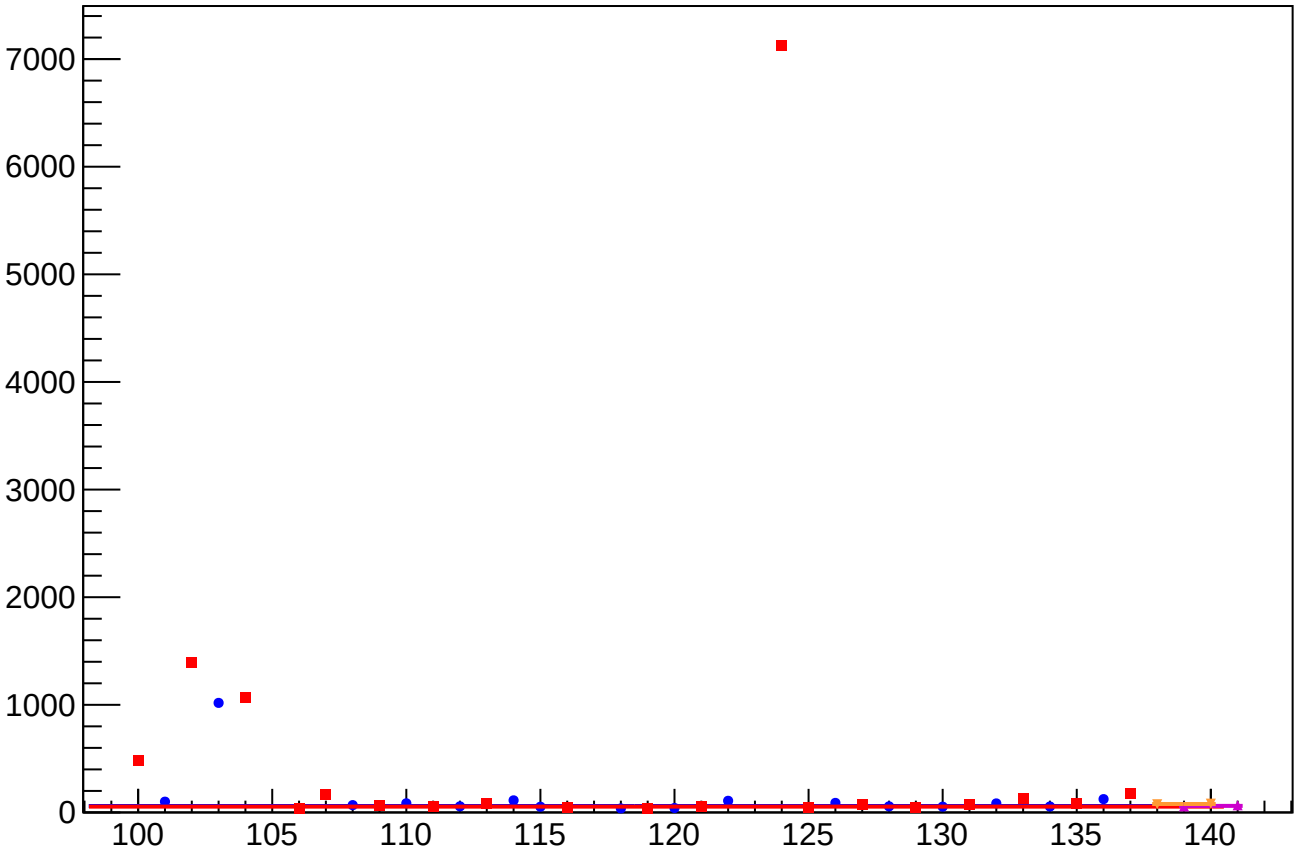
Left: 0.013+/-0.040 χ^2/NDF: 4.2/3

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.024 χ^2/NDF:12.3/17

Out: -0.008+/-0.024 χ^2/NDF:21.0/20

All: -0.002+/-0.017 χ^2/NDF: 33.5/38



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 78.626+/-0.047 χ^2/NDF:3374.7/1

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 61.013+/-0.036 χ^2/NDF:21252.9/1

Left: 67.432+/-0.029 χ^2/NDF: 112865.8/3

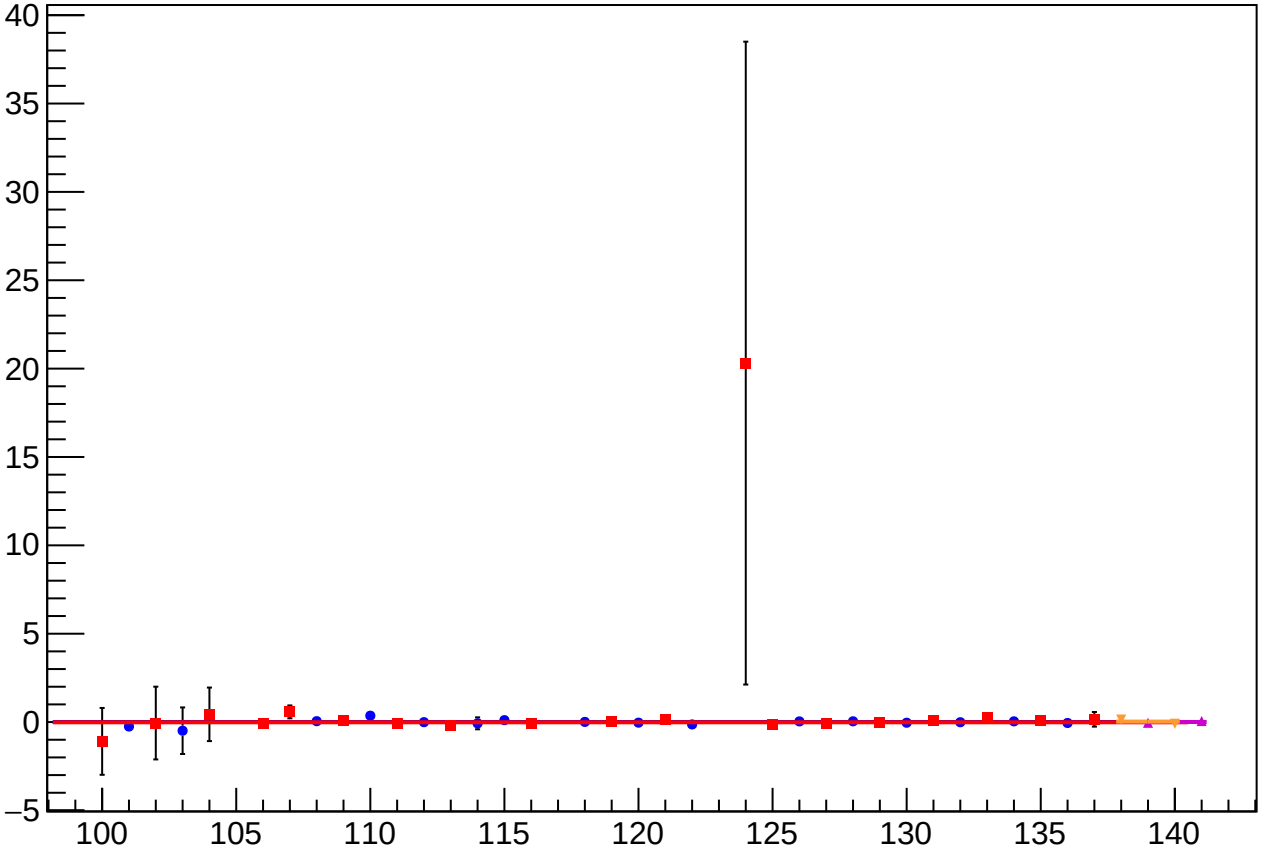
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 60.095+/-0.017 χ^2/NDF:2560960.1/17

Out: 57.411+/-0.017 χ^2/NDF:3756403.5/20

All: 58.778+/-0.012 χ^2/NDF: 6330024.4/38

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.027+/-0.067 χ^2/NDF:3.1/1

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.051 χ^2/NDF:1.0/1

Left: 0.013+/-0.040 χ^2/NDF: 4.2/3

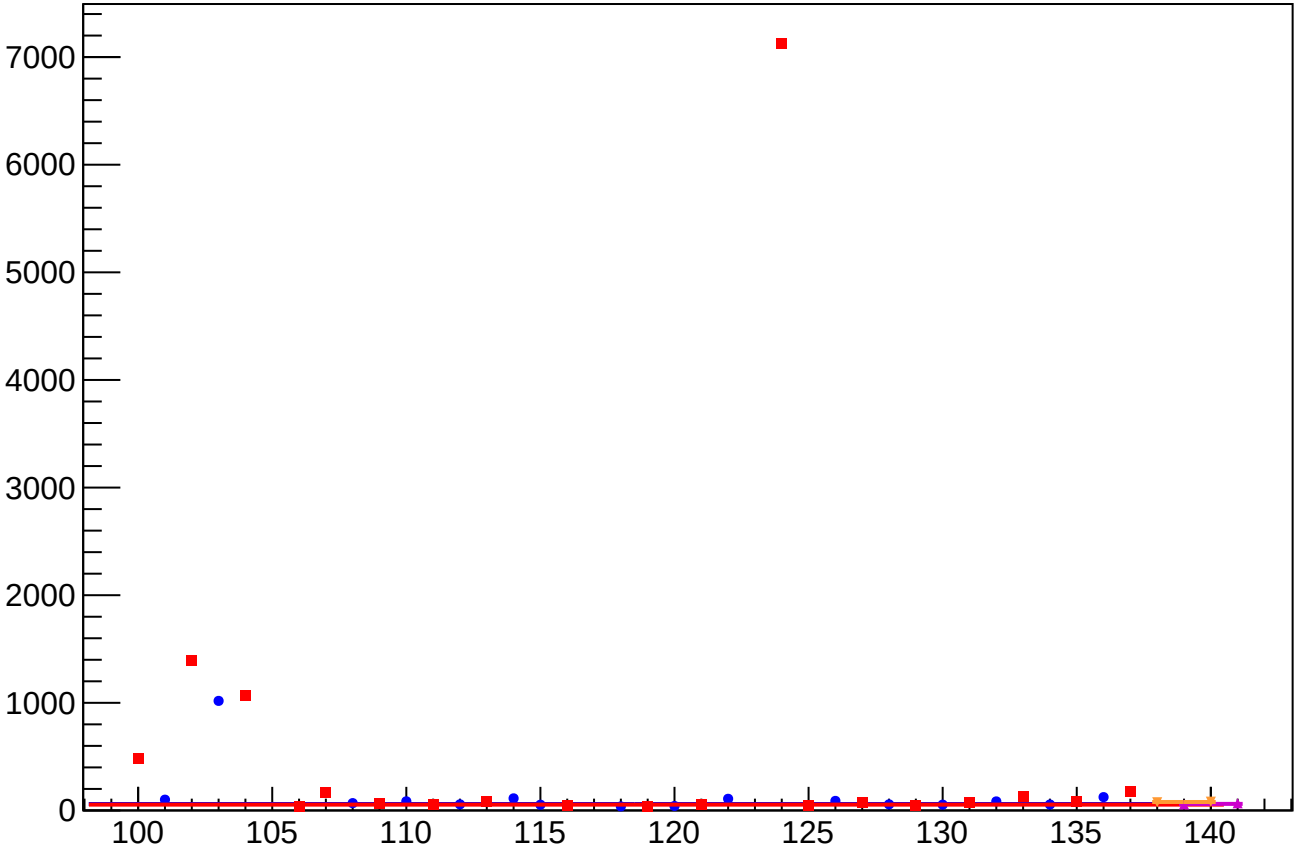
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.024 χ^2/NDF:12.3/17

Out: -0.008+/-0.024 χ^2/NDF:21.0/20

All: -0.002+/-0.017 χ^2/NDF: 33.5/38

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 78.626+/-0.047 χ^2/NDF:3374.7/1

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 61.013+/-0.036 χ^2/NDF:21252.9/1

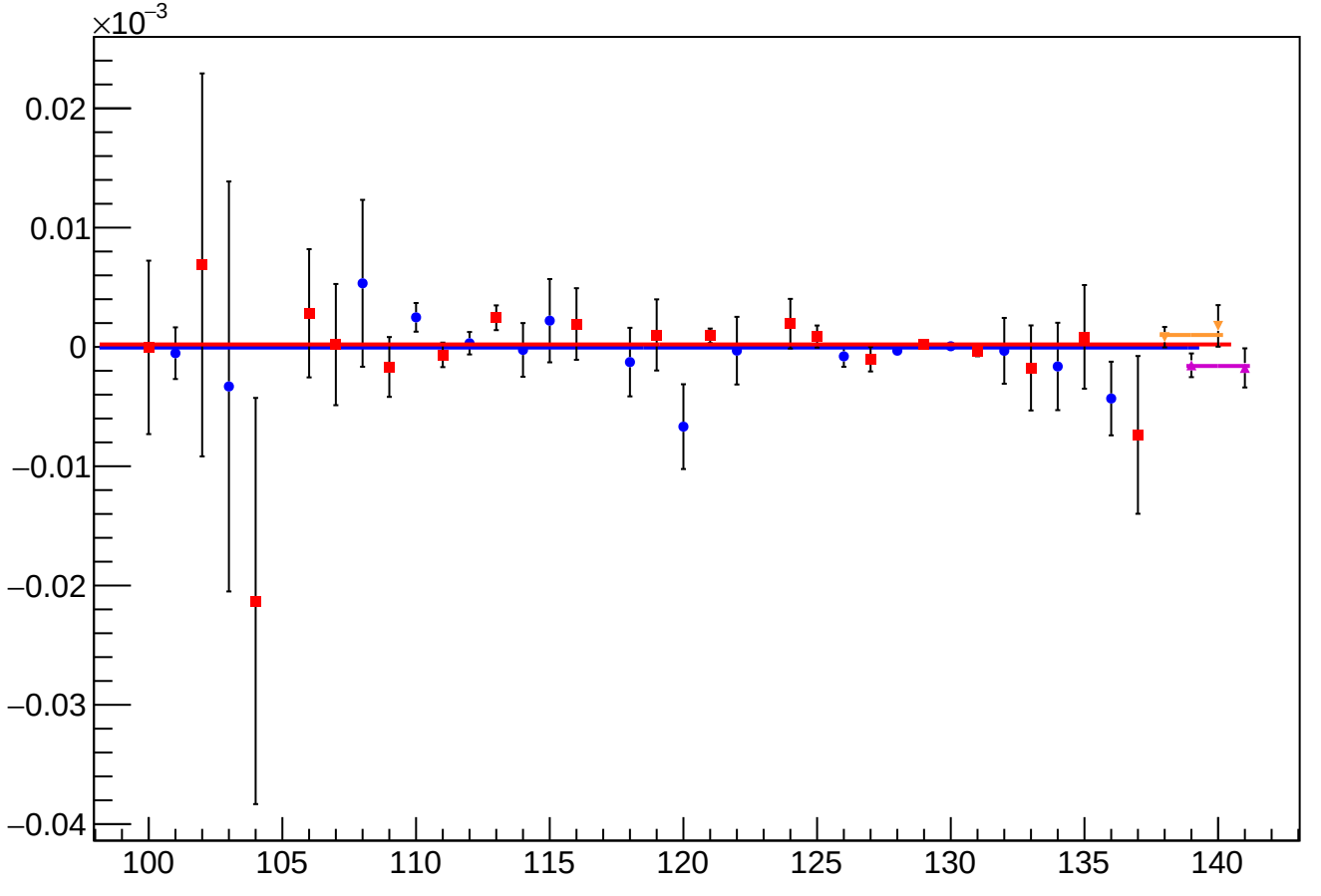
Left: 67.432+/-0.029 χ^2/NDF: 112865.8/3

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 60.095+/-0.017 χ^2/NDF:2560960.1/17

Out: 57.411+/-0.017 χ^2/NDF:3756403.5/20

All: 58.778+/-0.012 χ^2/NDF: 6330024.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

Left: -0.000+/-0.000 χ^2/NDF: 5.4/3

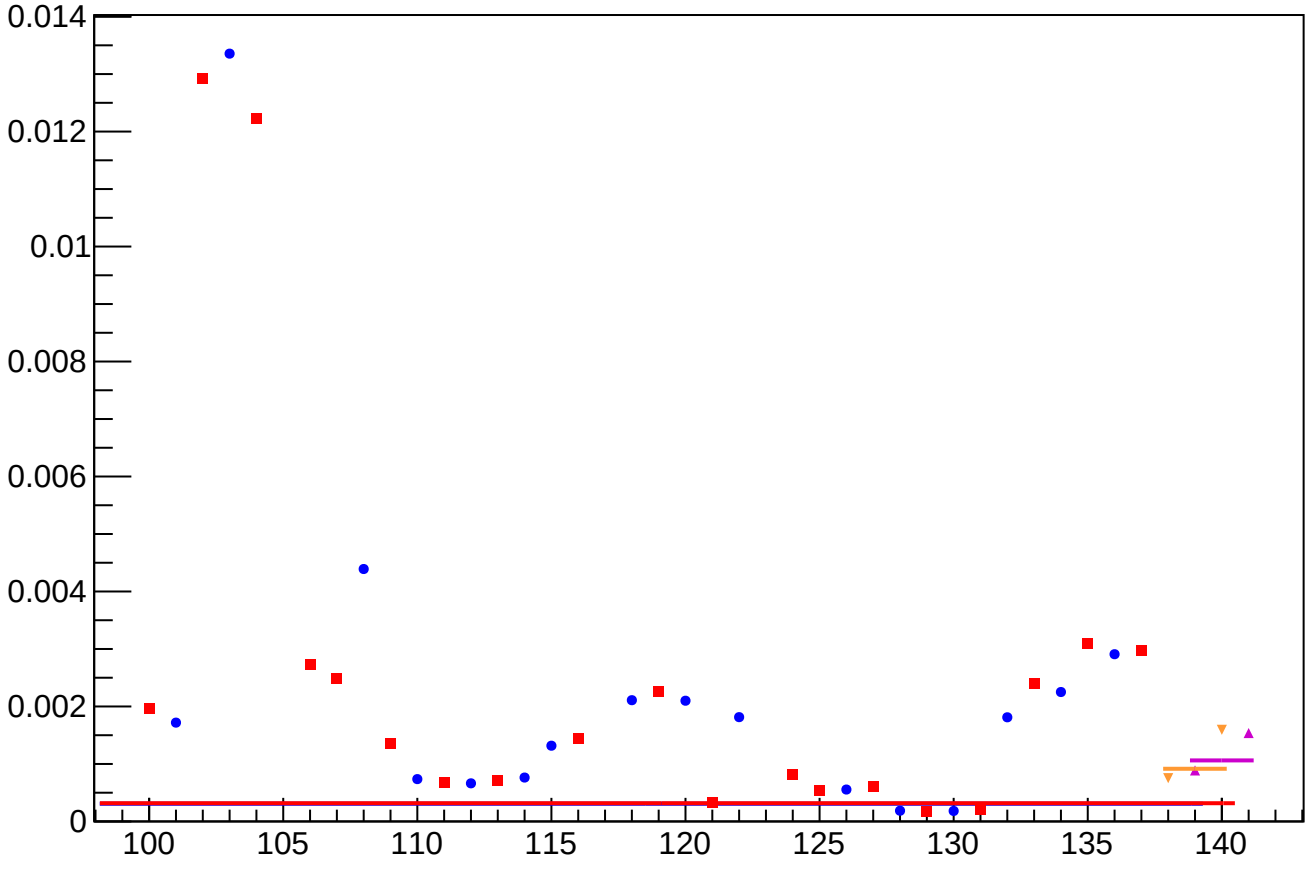
Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:16.0/17

Out: 0.000+/-0.000 χ^2/NDF:16.9/20

All: 0.000+/-0.000 χ^2/NDF: 34.9/38

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:375267.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:230231.3/1

Left: 0.001+/-0.000 χ^2/NDF: 637713.2/3

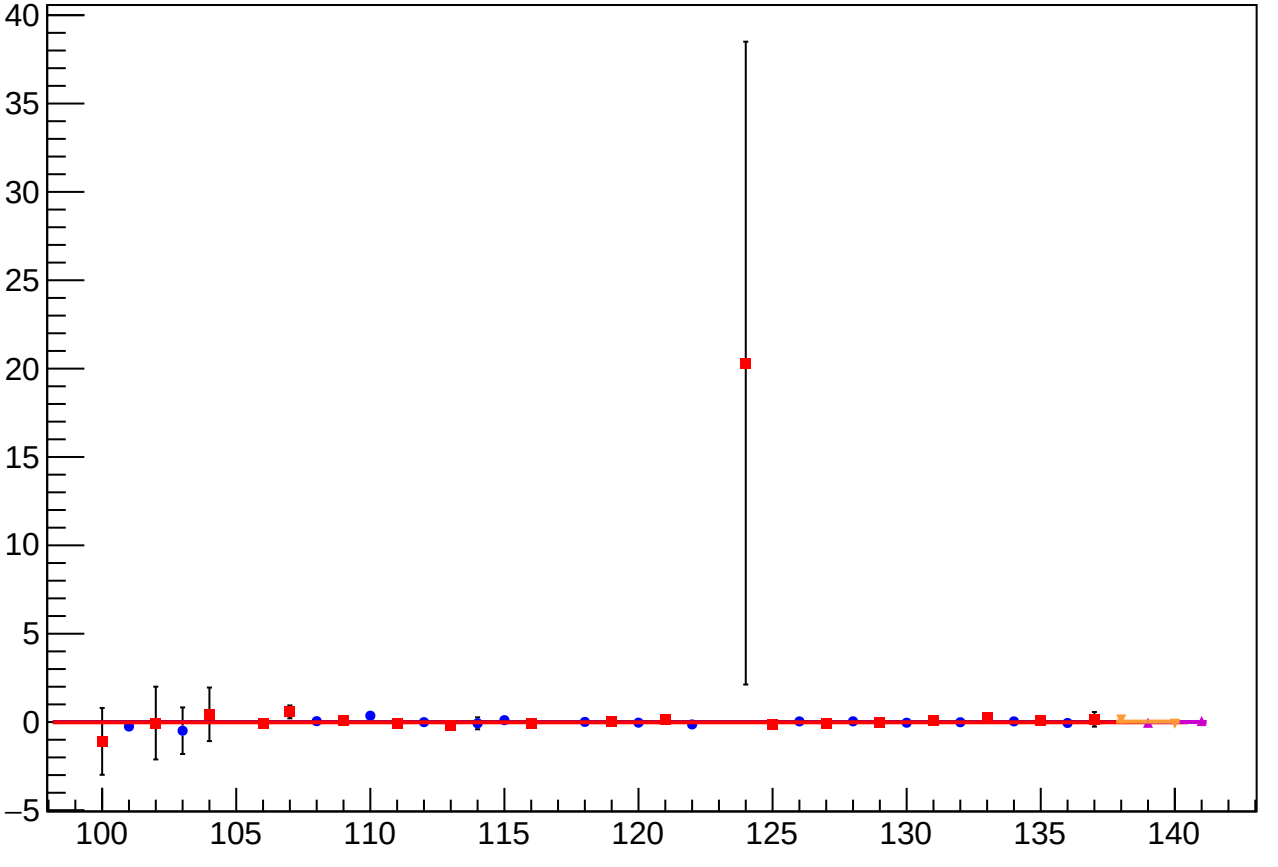
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:10482533.7/17

Out: 0.000+/-0.000 χ^2/NDF:9534873.2/20

All: 0.000+/-0.000 χ^2/NDF: 20018884.2/38

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.027+/-0.067 χ^2/NDF:3.1/1

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.051 χ^2/NDF:1.0/1

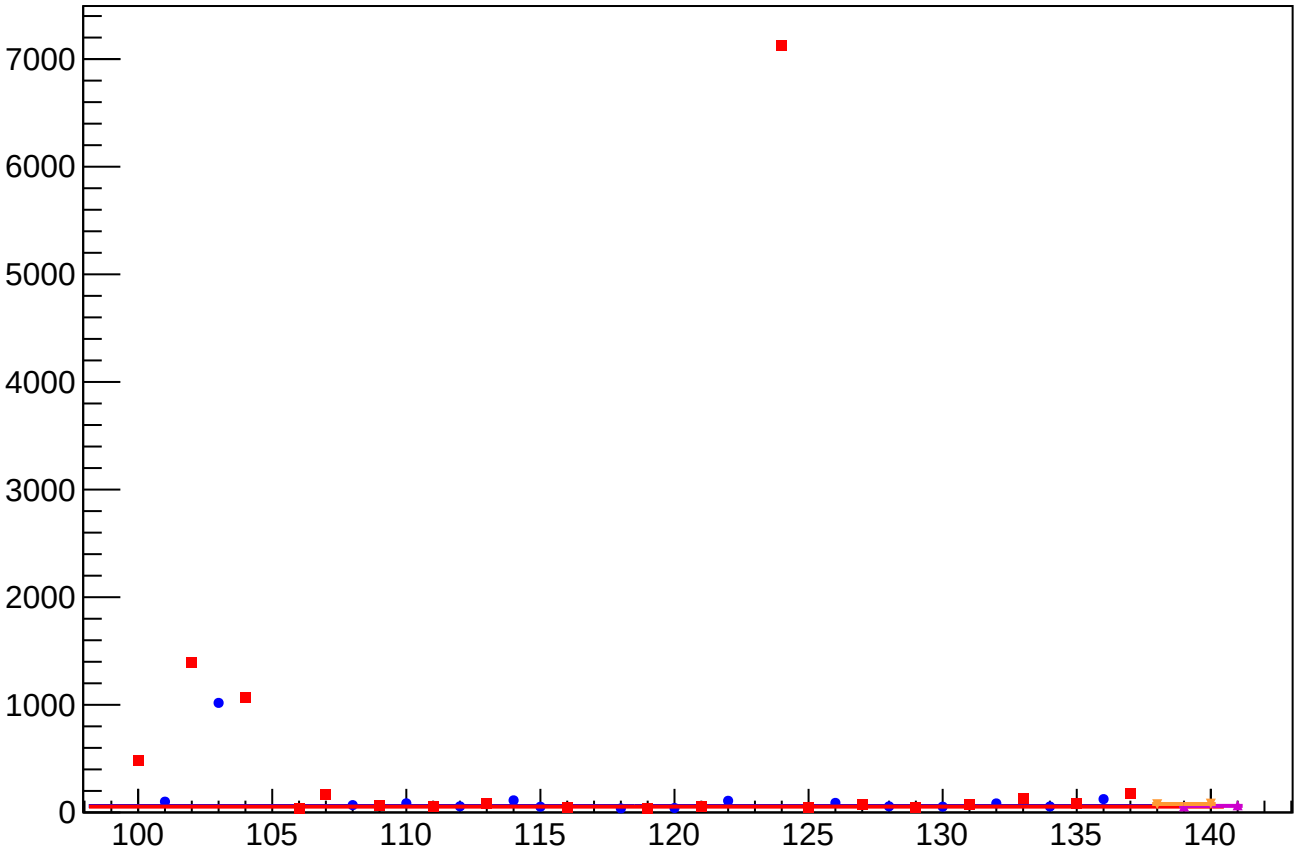
Left: 0.013+/-0.040 χ^2/NDF: 4.2/3

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.024 χ^2/NDF:12.3/17

Out: -0.008+/-0.024 χ^2/NDF:21.0/20

All: -0.002+/-0.017 χ^2/NDF: 33.5/38



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 78.626+/-0.047 χ^2/NDF:3373.9/1

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 61.012+/-0.036 χ^2/NDF:21252.6/1

Left: 67.432+/-0.029 χ^2/NDF: 112865.0/3

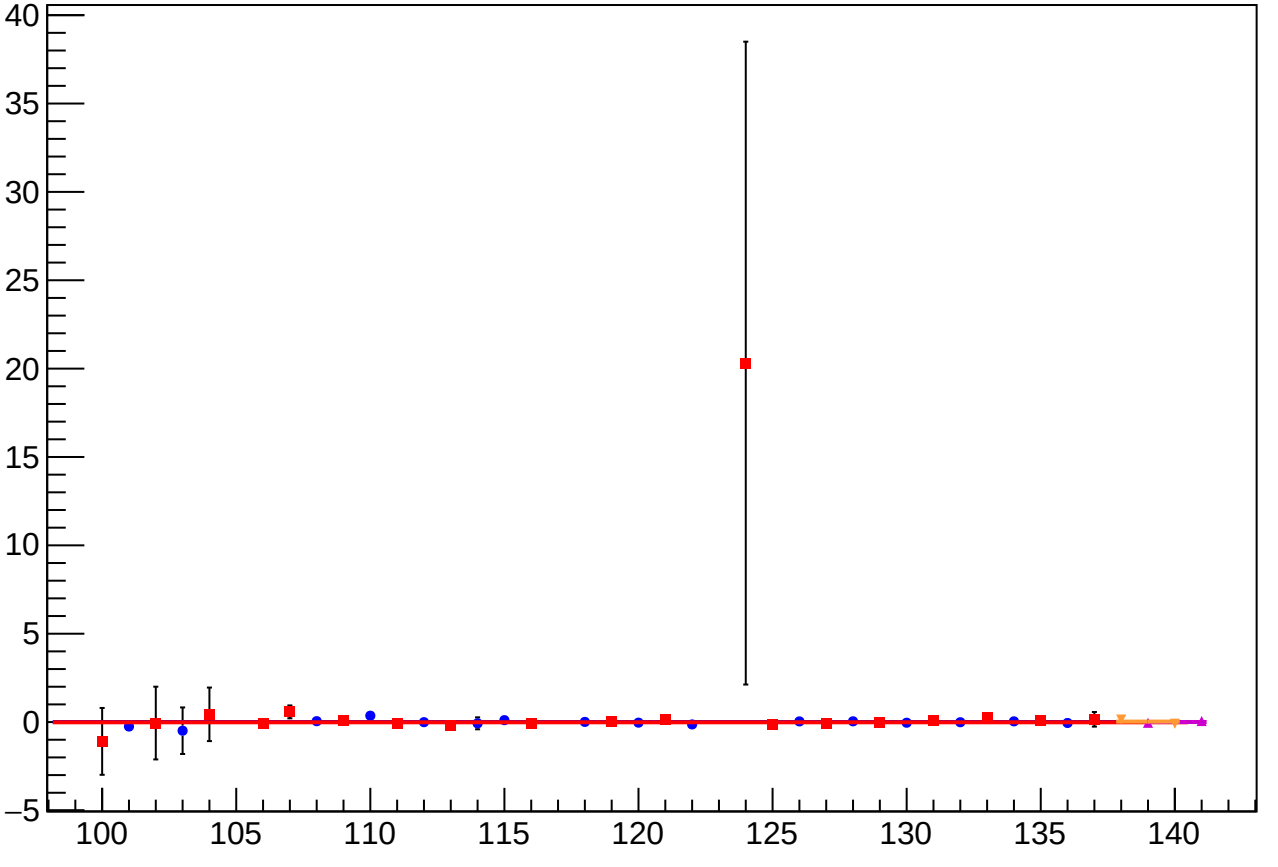
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 60.095+/-0.017 χ^2/NDF:2560973.7/17

Out: 57.410+/-0.017 χ^2/NDF:3756481.4/20

All: 58.778+/-0.012 χ^2/NDF: 6330123.6/38

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.027+/-0.067 χ^2/NDF:3.1/1

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.051 χ^2/NDF:1.0/1

Left: 0.013+/-0.040 χ^2/NDF: 4.2/3

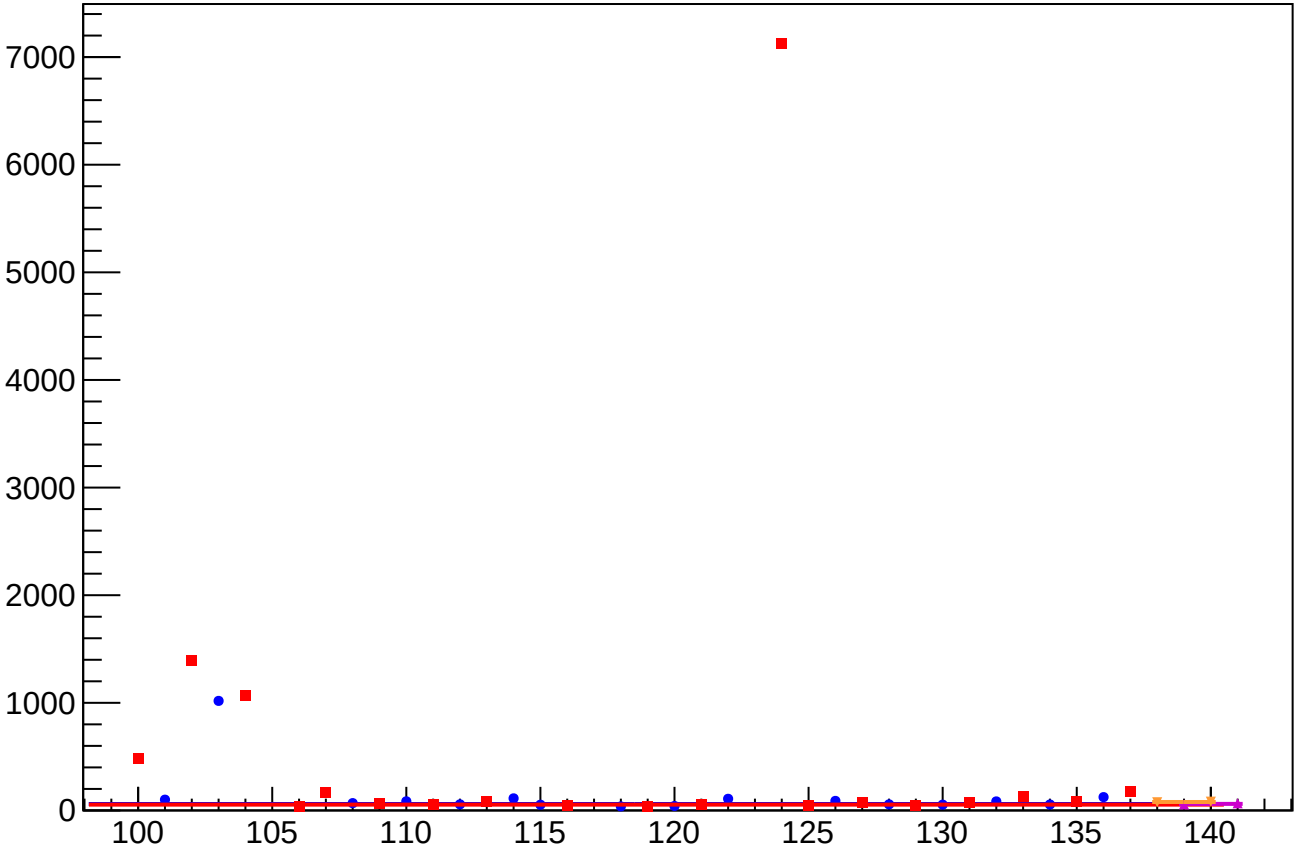
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.024 χ^2/NDF:12.3/17

Out: -0.008+/-0.024 χ^2/NDF:21.0/20

All: -0.002+/-0.017 χ^2/NDF: 33.5/38

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 78.626+/-0.047 χ^2/NDF:3373.9/1

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 61.012+/-0.036 χ^2/NDF:21252.6/1

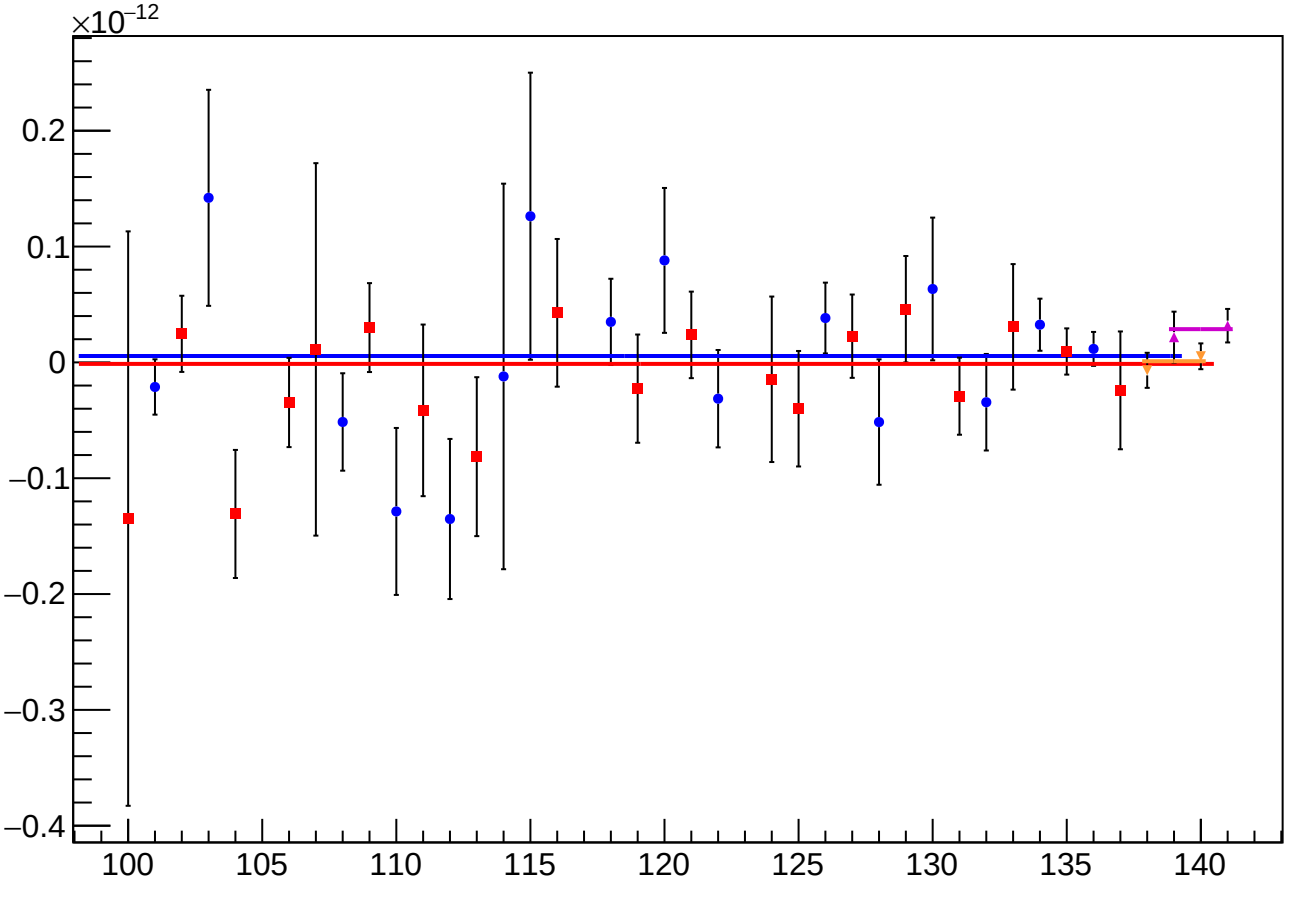
Left: 67.432+/-0.029 χ^2/NDF: 112865.0/3

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 60.095+/-0.017 χ^2/NDF:2560973.7/17

Out: 57.410+/-0.017 χ^2/NDF:3756481.4/20

All: 58.778+/-0.012 χ^2/NDF: 6330123.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

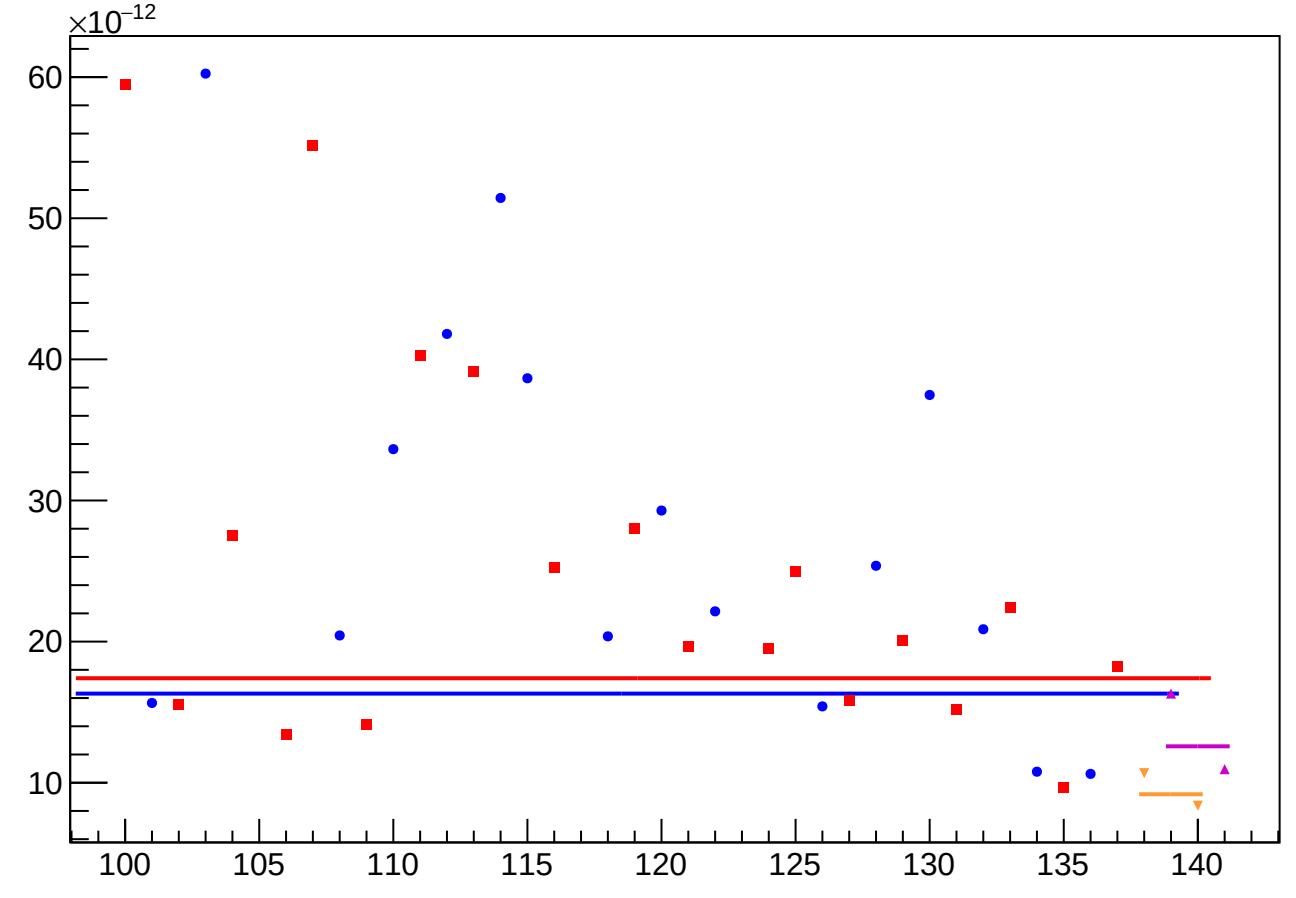
Left: 0.000+/-0.000 χ^2/NDF: 3.9/3

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:25.2/17

Out: -0.000+/-0.000 χ^2/NDF:14.7/20

All: 0.000+/-0.000 χ^2/NDF: 41.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:30039.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:82737.8/1

Left: 0.000+/-0.000 χ^2/NDF: 214610.8/3

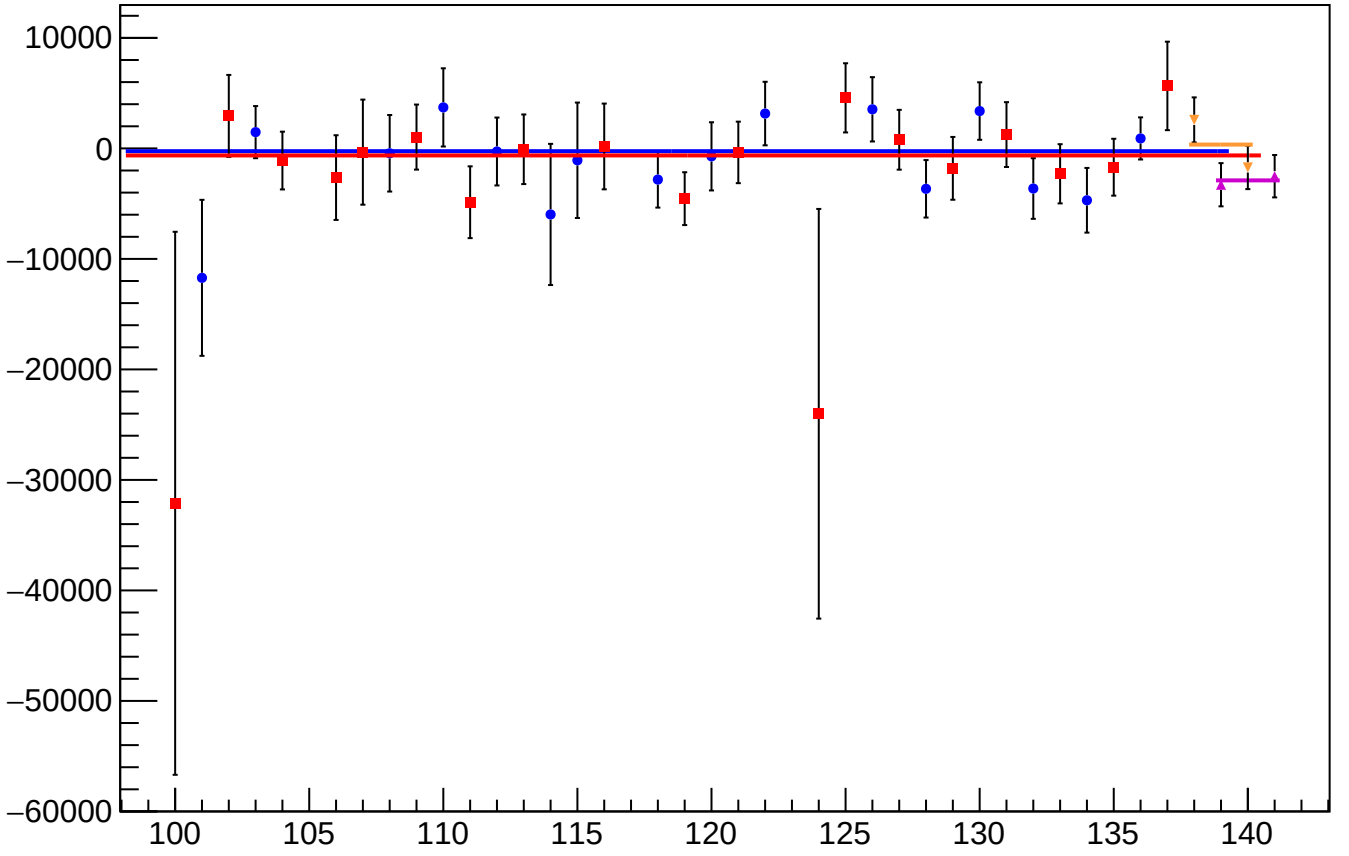
Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:2104076.2/17

Out: 0.000+/-0.000 χ^2/NDF:1995156.8/20

All: 0.000+/-0.000 χ^2/NDF: 4194859.9/38

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 346.911+/-1412.393 χ^2/NDF:2.3/1

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -2894.460+/-1369.039 χ^2/NDF:0.1/1

Left: -1324.285+/-983.026 χ^2/NDF: 5.1/3

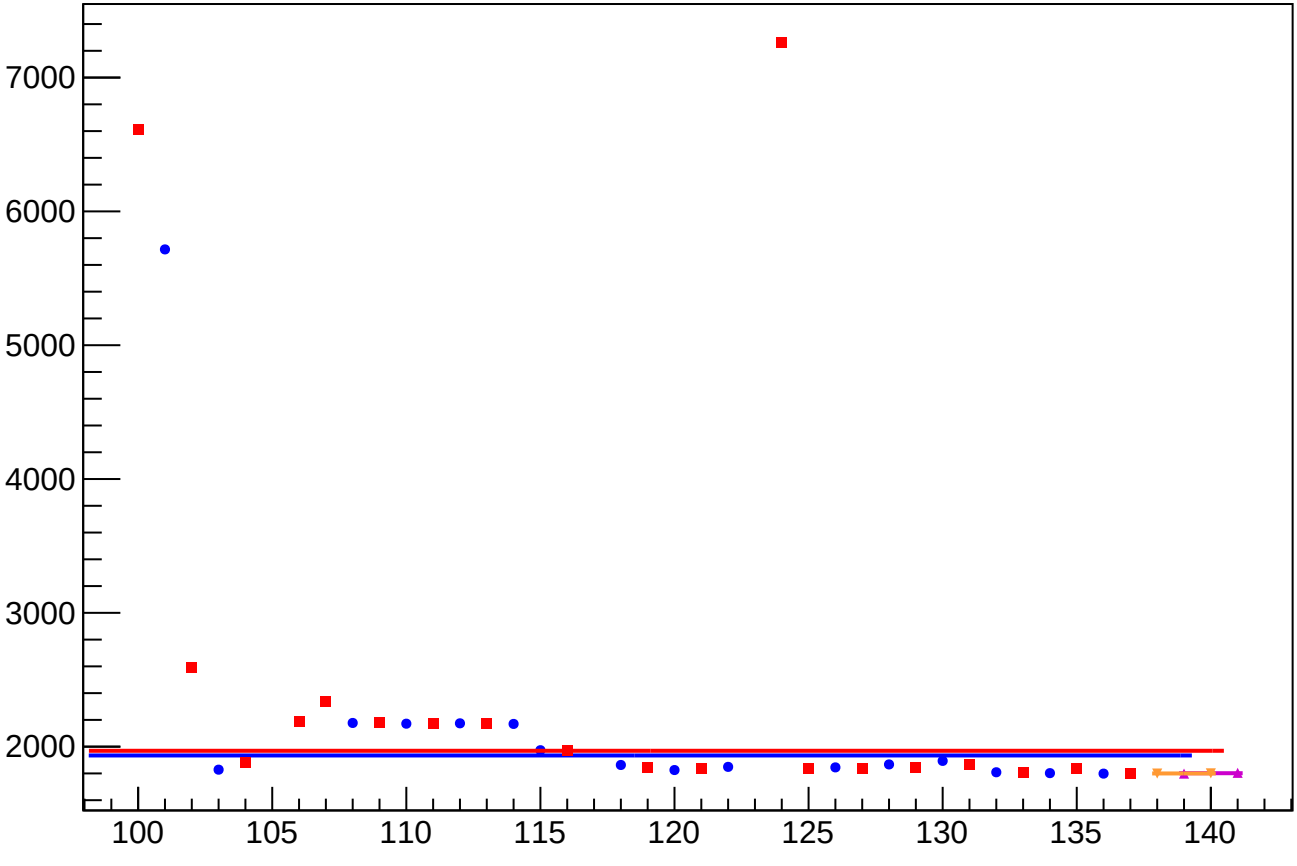
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -842.824+/-647.651 χ^2/NDF:20.2/17

Out: -426.392+/-652.332 χ^2/NDF:18.6/20

All: -636.108+/-459.605 χ^2/NDF: 39.0/38

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1799.768+/-0.999 χ^2/NDF:0.5/1

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1801.639+/-0.968 χ^2/NDF:8.9/1

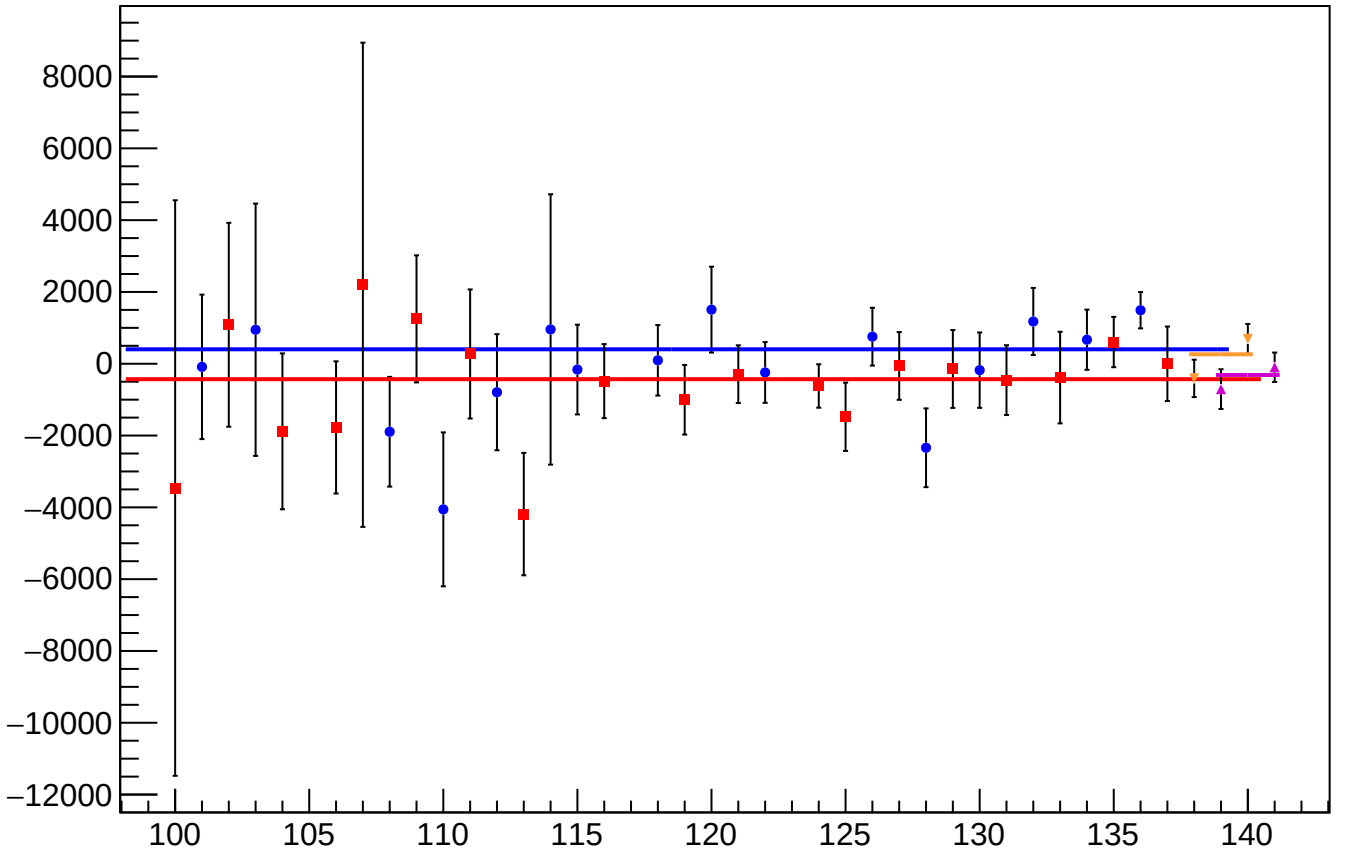
Left: 1800.732+/-0.695 χ^2/NDF: 11.2/3

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1904.546+/-0.458 χ^2/NDF:654487.3/17

Out: 1933.060+/-0.461 χ^2/NDF:401022.2/20

All: 1918.701+/-0.325 χ^2/NDF: 1057433.9/38



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 264.224+/-324.964 χ^2/NDF:2.7/1

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -312.988+/-329.500 χ^2/NDF:0.8/1

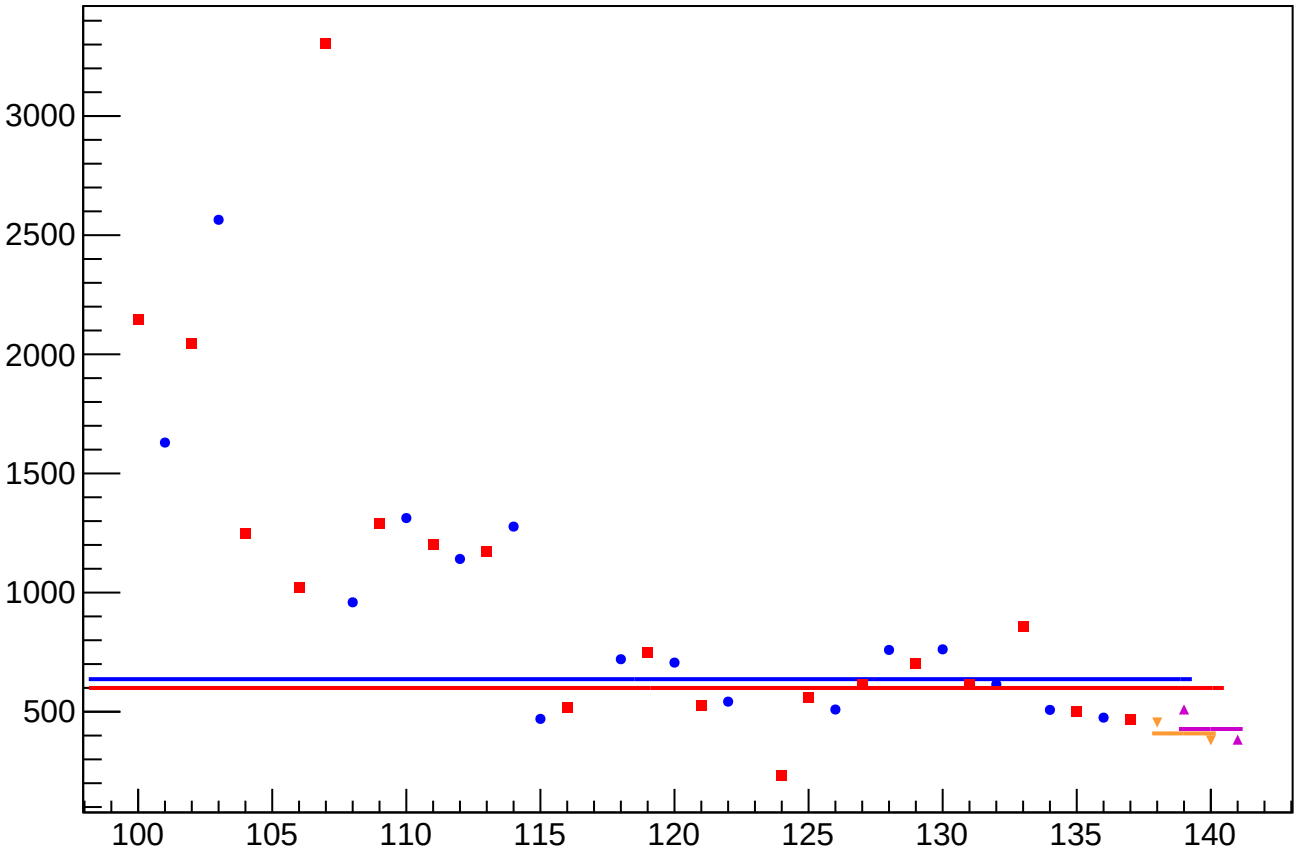
Left: -20.381+/-231.371 χ^2/NDF: 5.1/3

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 129.890+/-203.417 χ^2/NDF:24.8/17

Out: -168.277+/-199.545 χ^2/NDF:17.3/20

All: -22.059+/-142.449 χ^2/NDF: 43.2/38



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 408.948+/-0.230 χ^2/NDF:25293.6/1

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 427.579+/-0.233 χ^2/NDF:67639.4/1

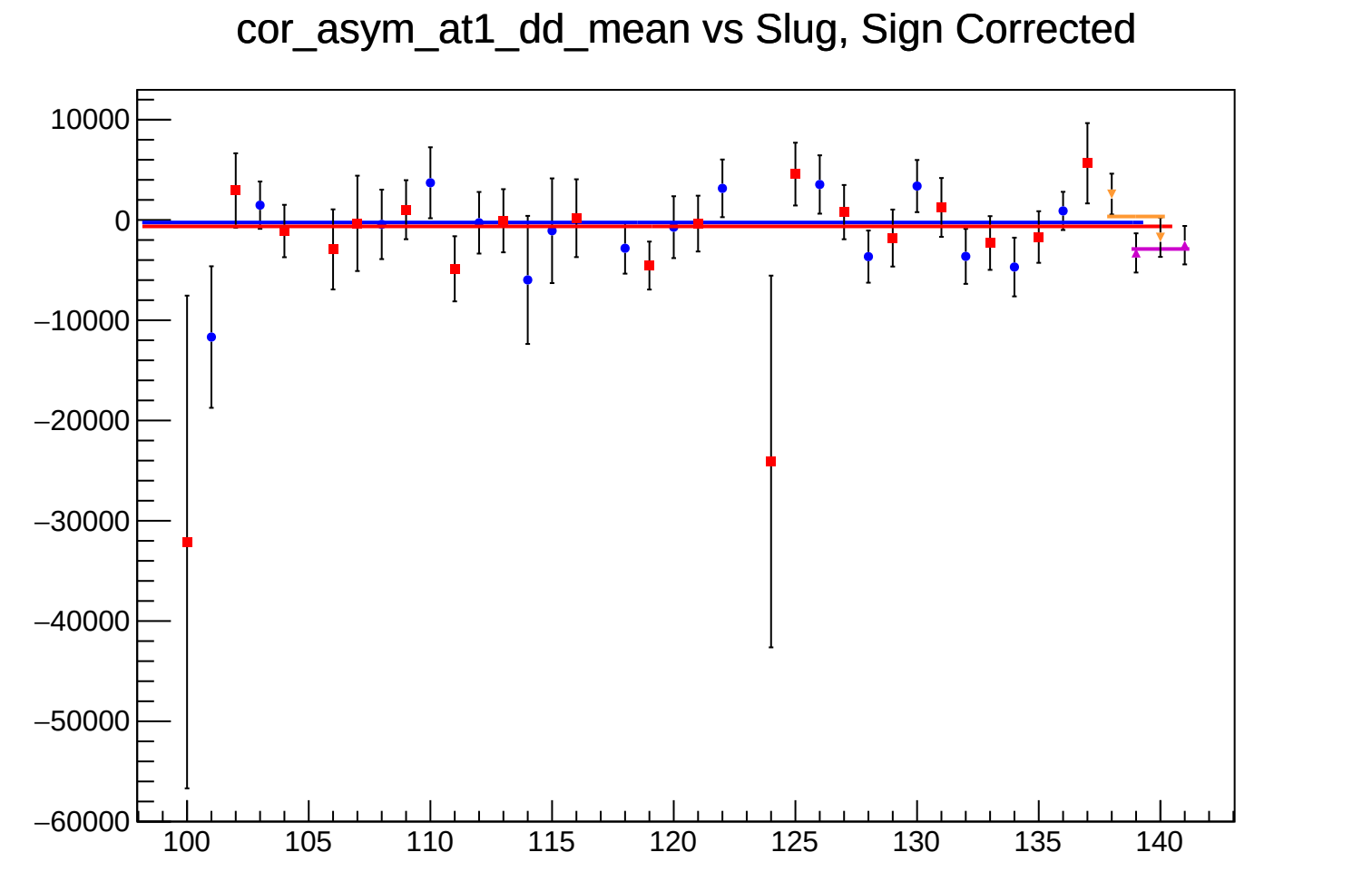
Left: 418.134+/-0.164 χ^2/NDF: 96174.4/3

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

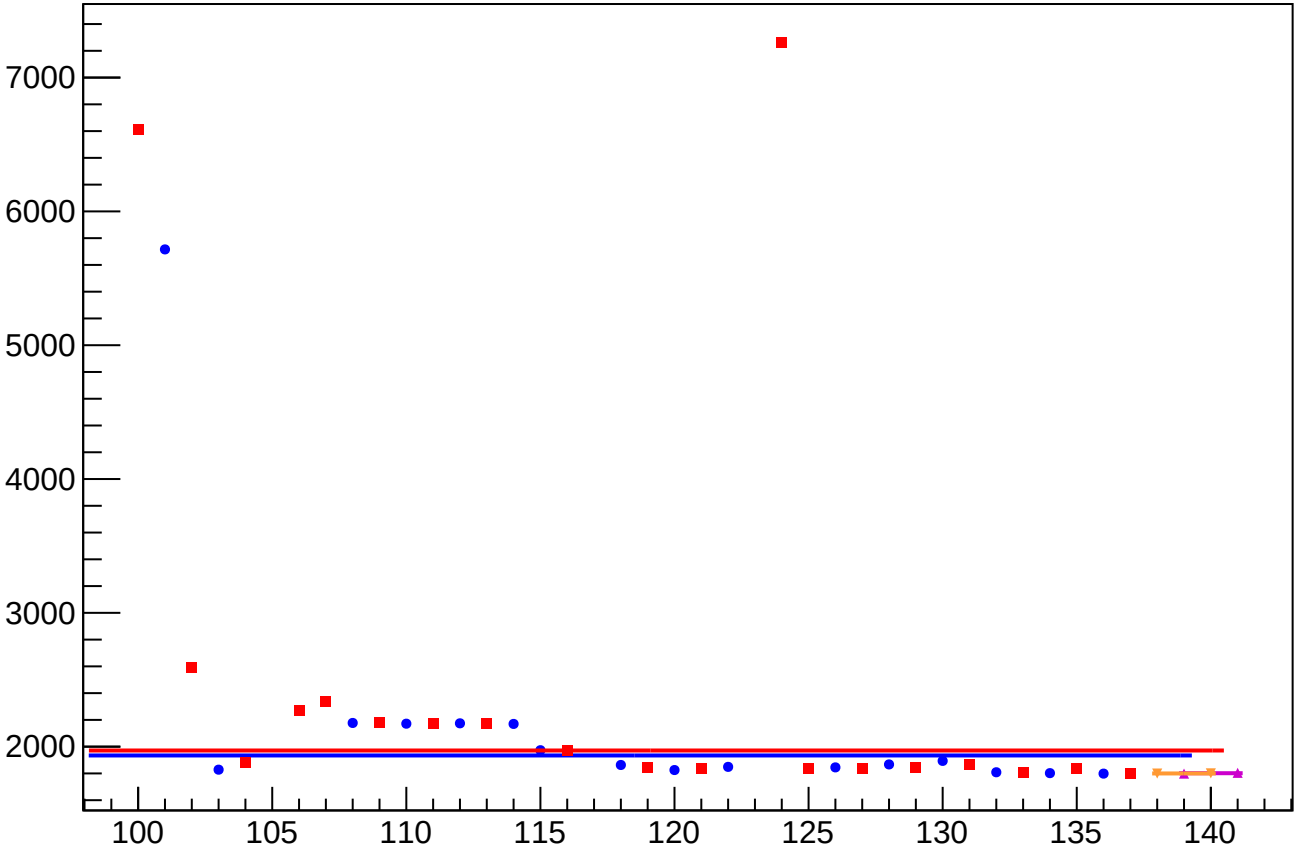
In: 556.999+/-0.144 χ^2/NDF:2633093.3/17

Out: 527.732+/-0.141 χ^2/NDF:3398367.6/20

All: 542.085+/-0.101 χ^2/NDF: 6052559.4/38


cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
105
110
115
120
125
130
135
140
Right In: -250.487+/-735.112 χ²/NDF: 17.2/15
Left Out: 346.904+/-1412.393 χ²/NDF:2.3/1
Right Out: -640.865+/-736.549 χ²/NDF: 16.0/18
Left In: -2894.450+/-1369.039 χ²/NDF:0.1/1
Left: -1324.283+/-983.026 χ²/NDF: 5.1/3
Right: -445.295+/-520.310 χ²/NDF: 33.3/34
In: -842.194+/-647.651 χ²/NDF:20.2/17
Out: -429.673+/-653.080 χ²/NDF:18.7/20
All: -637.655+/-459.866 χ²/NDF: 39.1/38

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1799.768+/-0.999 χ^2/NDF:0.5/1

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1801.639+/-0.968 χ^2/NDF:8.9/1

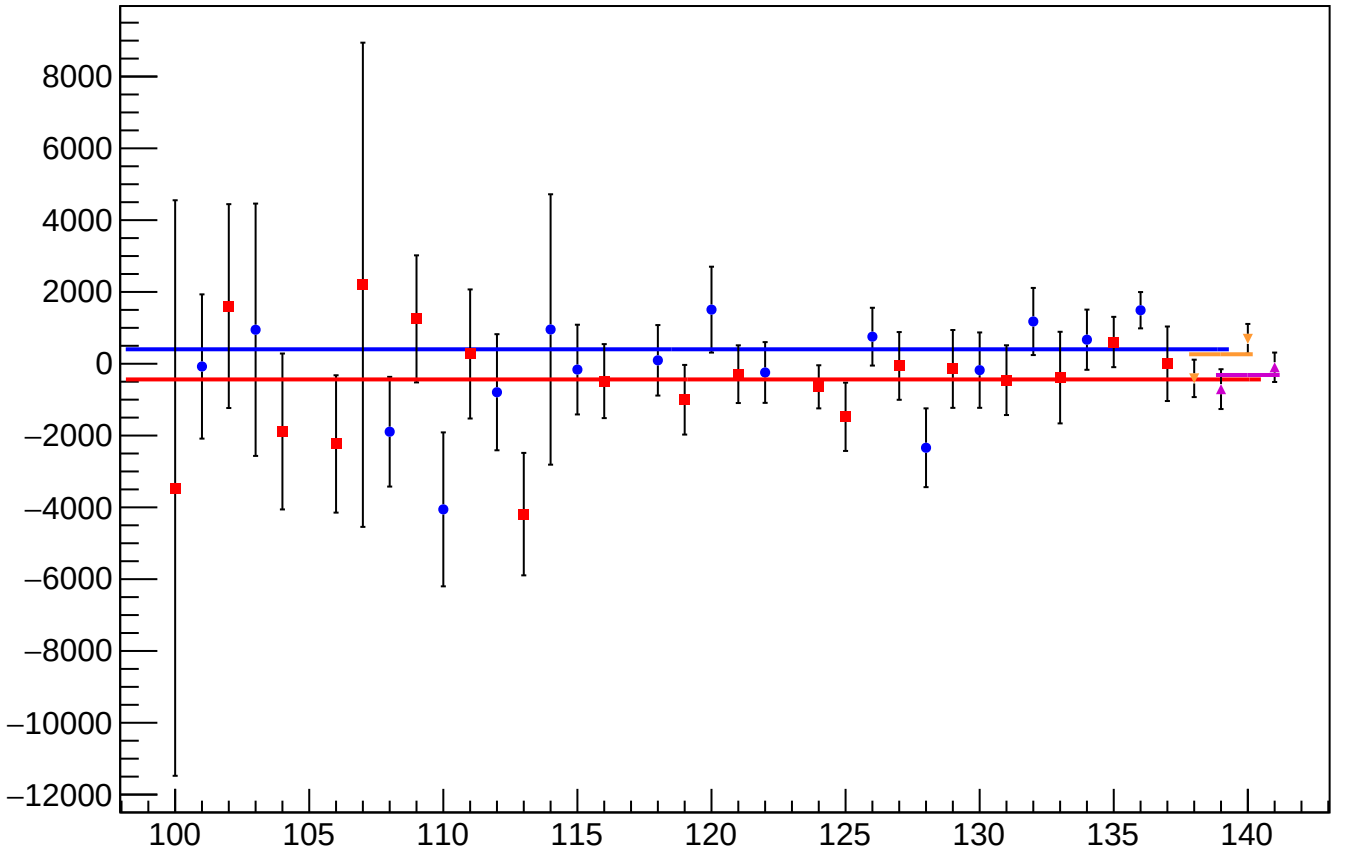
Left: 1800.733+/-0.695 χ^2/NDF: 11.2/3

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1904.546+/-0.458 χ^2/NDF:654487.2/17

Out: 1934.670+/-0.462 χ^2/NDF:406384.6/20

All: 1919.482+/-0.325 χ^2/NDF: 1063017.1/38



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 264.213+/-324.974 χ^2/NDF:2.7/1

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -313.115+/-329.491 χ^2/NDF:0.8/1

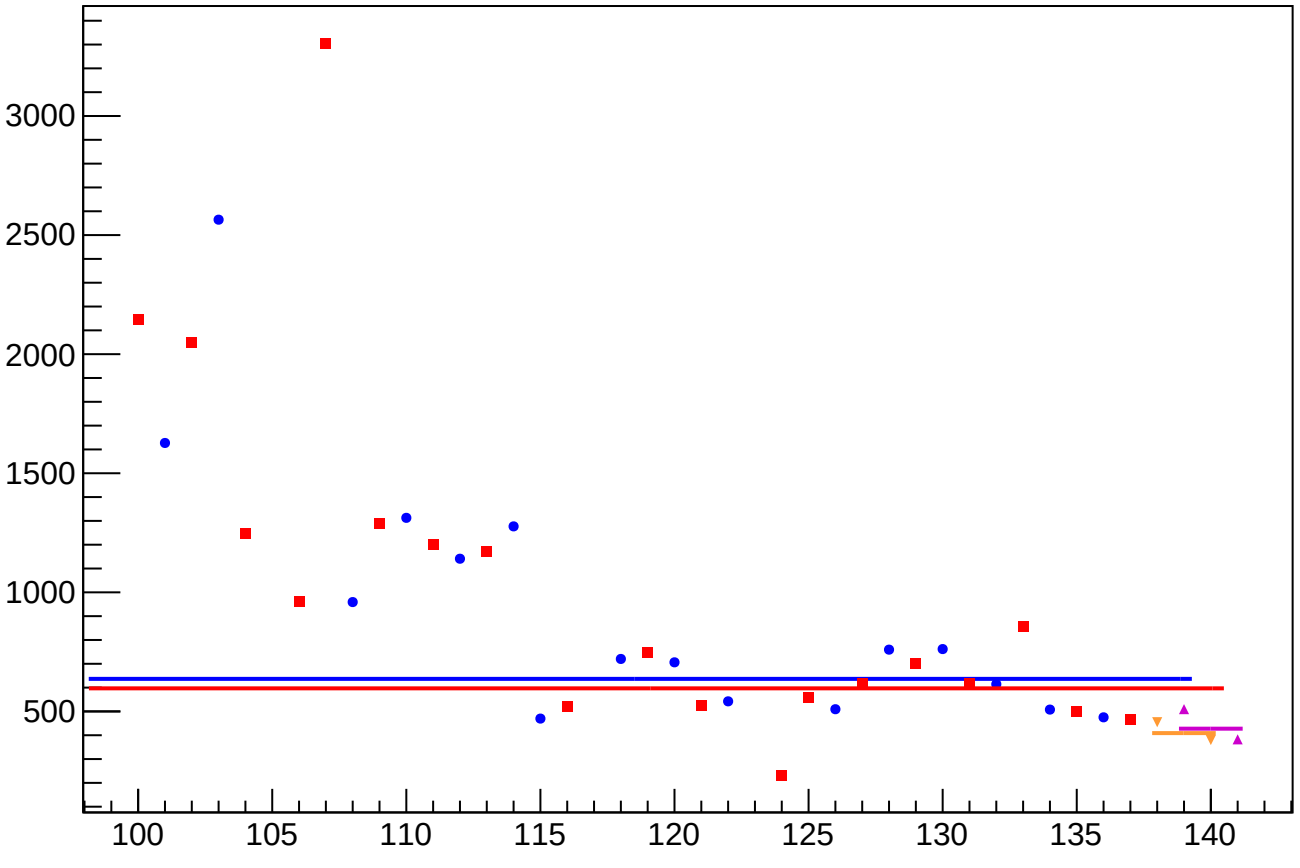
Left: -20.466+/-231.372 χ^2/NDF: 5.1/3

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 129.892+/-203.410 χ^2/NDF:24.8/17

Out: -172.615+/-199.473 χ^2/NDF:18.0/20

All: -24.317+/-142.420 χ^2/NDF: 43.9/38



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 408.962+/-0.230 χ^2/NDF:25275.2/1

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 427.566+/-0.233 χ^2/NDF:67634.1/1

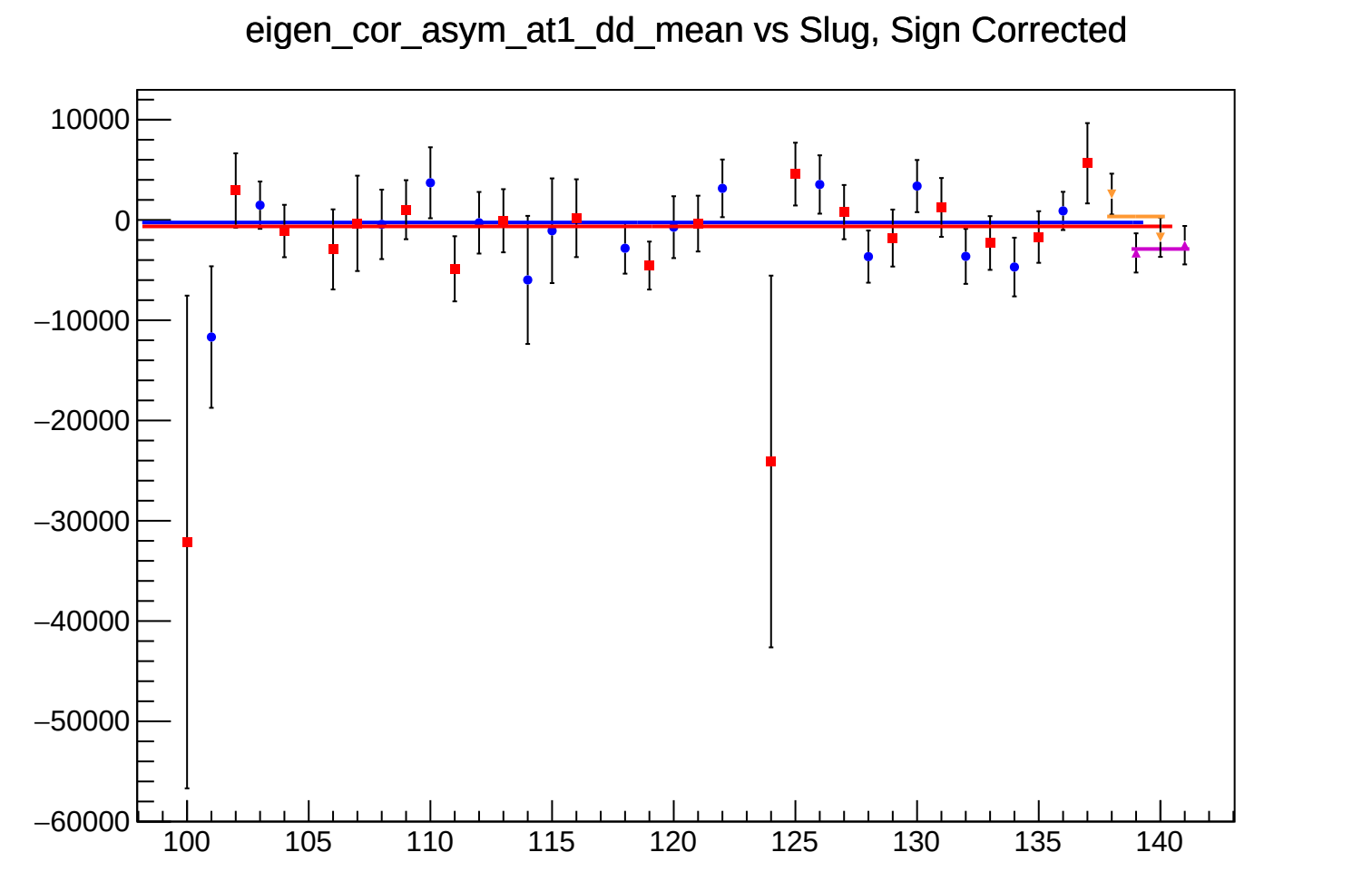
Left: 418.136+/-0.164 χ^2/NDF: 96141.3/3

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 556.995+/-0.144 χ^2/NDF:2632303.0/17

Out: 526.068+/-0.141 χ^2/NDF:3372431.3/20

All: 541.229+/-0.101 χ^2/NDF: 6028302.6/38



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 346.904+/-1412.393 χ^2/NDF:2.3/1

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -2894.450+/-1369.039 χ^2/NDF:0.1/1

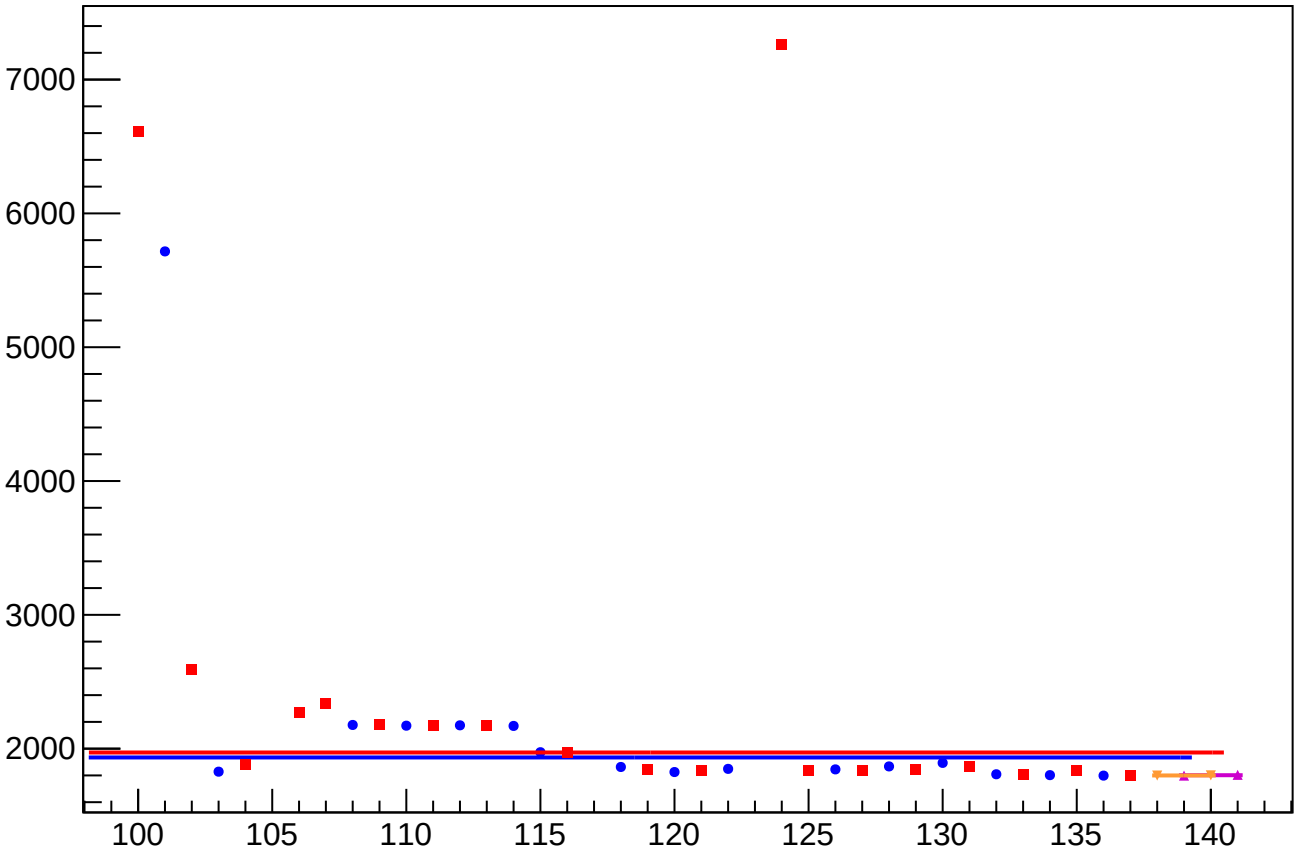
Left: -1324.283+/-983.026 χ^2/NDF: 5.1/3

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -842.194+/-647.651 χ^2/NDF:20.2/17

Out: -429.673+/-653.080 χ^2/NDF:18.7/20

All: -637.655+/-459.866 χ^2/NDF: 39.1/38



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1799.768+/-0.999 χ^2/NDF:0.5/1

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1801.639+/-0.968 χ^2/NDF:8.9/1

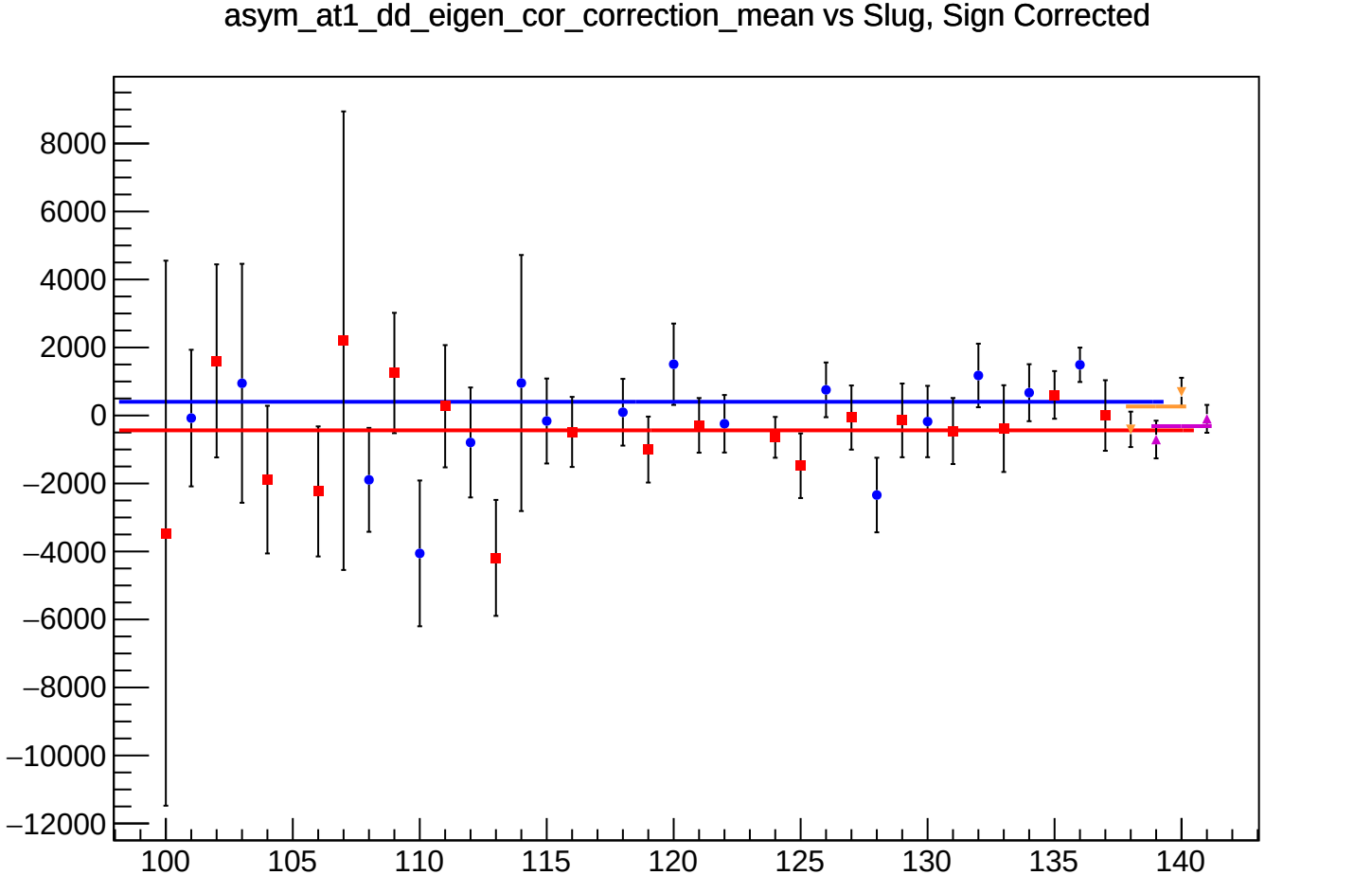
Left: 1800.733+/-0.695 χ^2/NDF: 11.2/3

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1904.546+/-0.458 χ^2/NDF:654487.2/17

Out: 1934.670+/-0.462 χ^2/NDF:406384.6/20

All: 1919.482+/-0.325 χ^2/NDF: 1063017.1/38



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 264.213+/-324.974 χ^2/NDF:2.7/1

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -313.115+/-329.491 χ^2/NDF:0.8/1

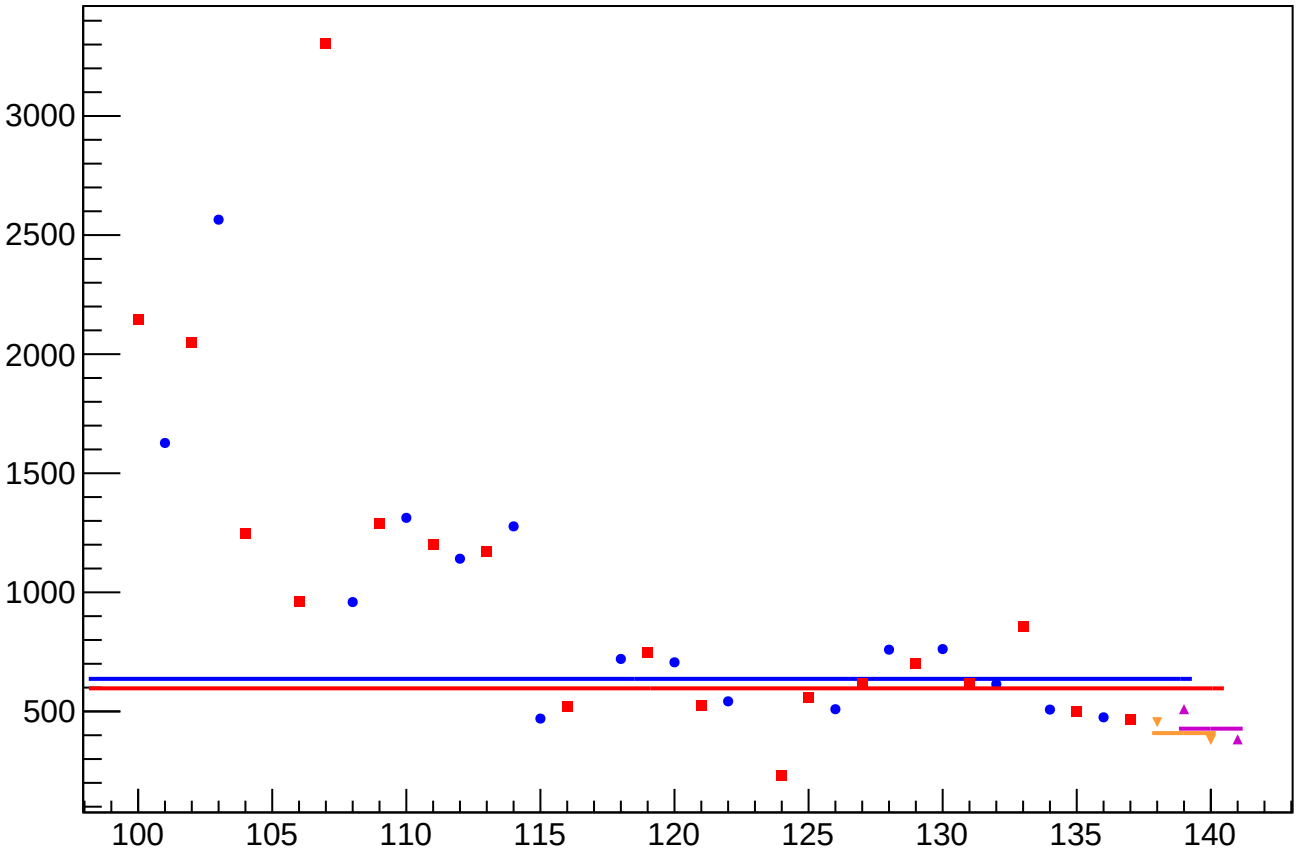
Left: -20.466+/-231.372 χ^2/NDF: 5.1/3

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 129.892+/-203.410 χ^2/NDF:24.8/17

Out: -172.615+/-199.473 χ^2/NDF:18.0/20

All: -24.317+/-142.420 χ^2/NDF: 43.9/38



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 408.962+/-0.230 χ^2/NDF:25275.2/1

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 427.566+/-0.233 χ^2/NDF:67634.1/1

Left: 418.136+/-0.164 χ^2/NDF: 96141.3/3

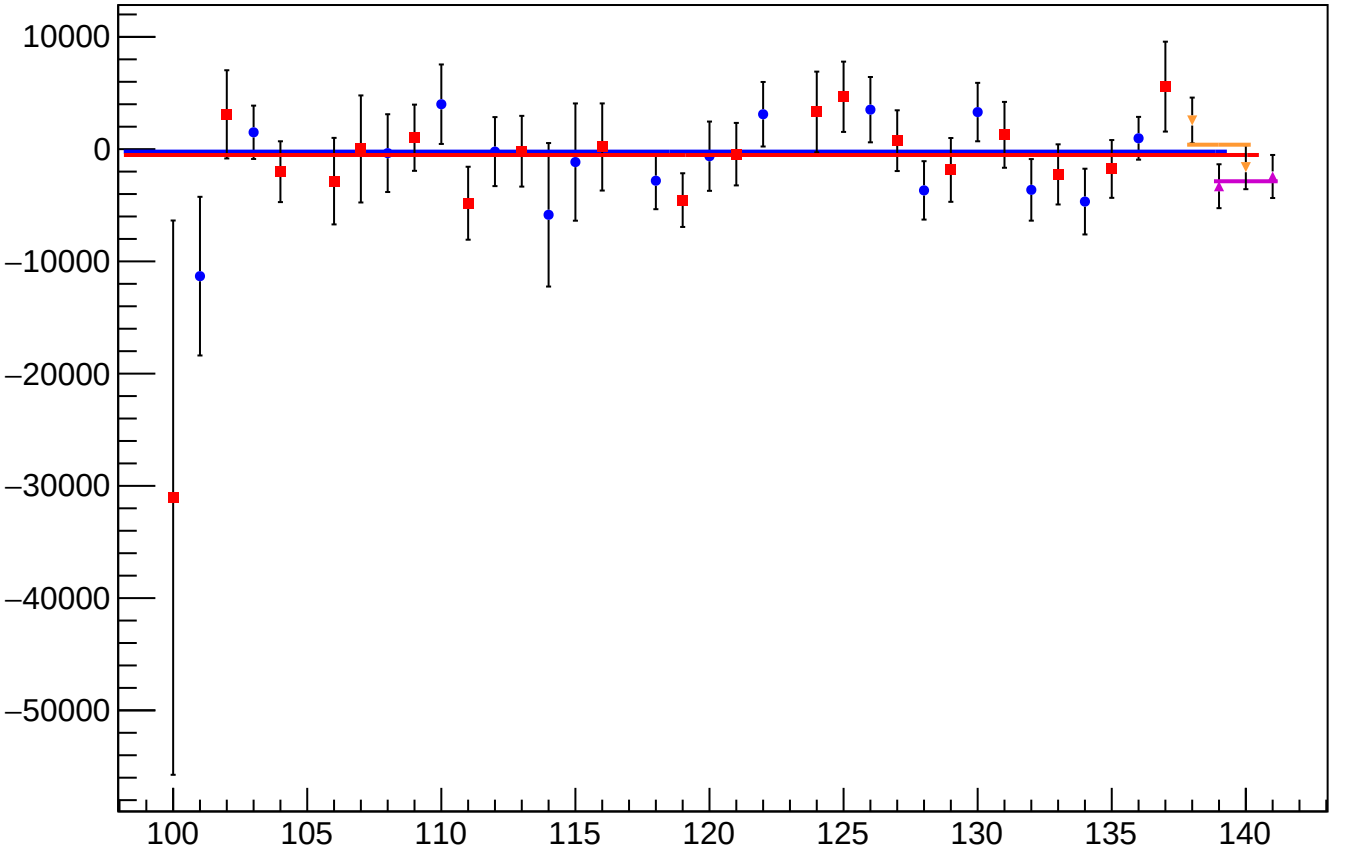
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 556.995+/-0.144 χ^2/NDF:2632303.0/17

Out: 526.068+/-0.141 χ^2/NDF:3372431.3/20

All: 541.229+/-0.101 χ^2/NDF: 6028302.6/38

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: 396.174+/-1412.831 χ^2/NDF:2.2/1

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -2861.193+/-1369.454 χ^2/NDF:0.1/1

Left: -1283.282+/-983.328 χ^2/NDF: 5.0/3

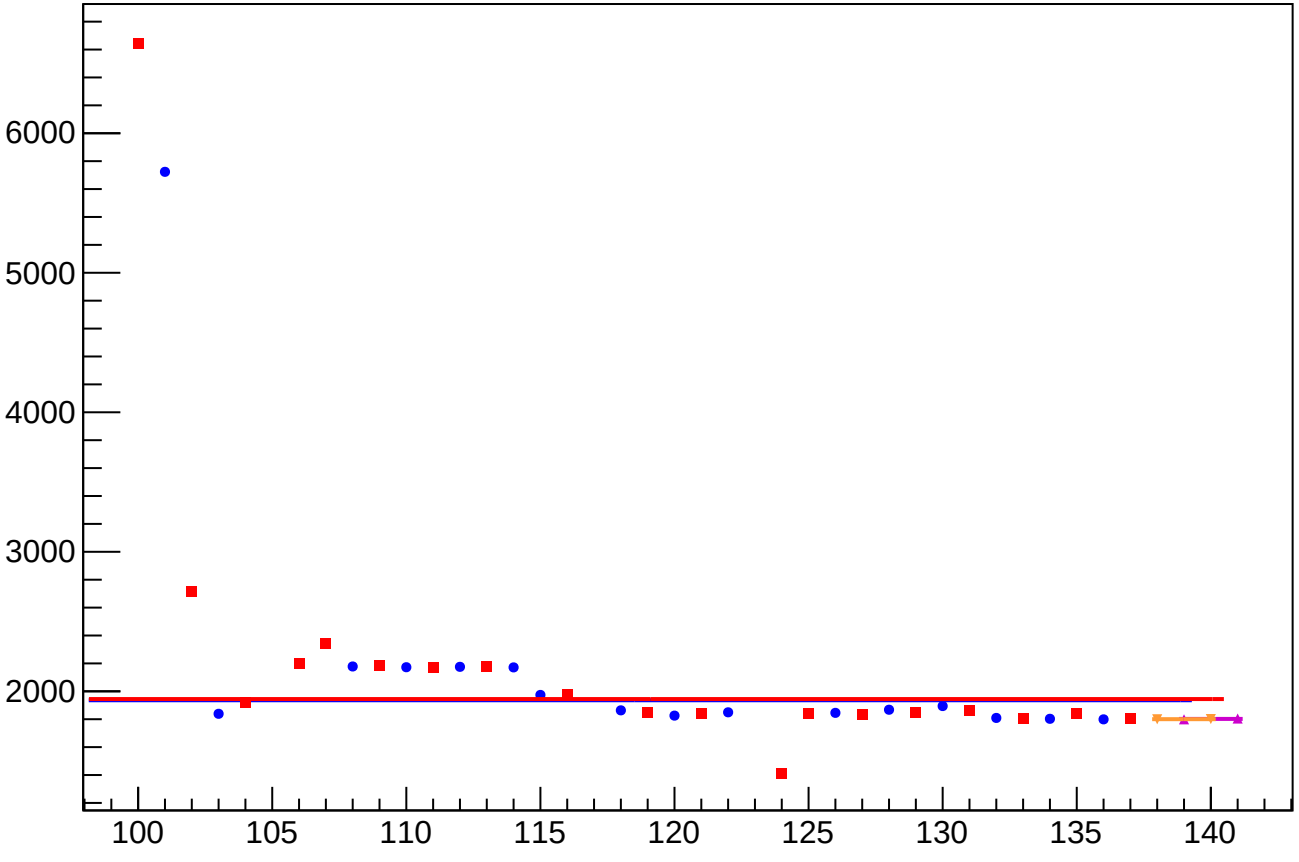
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -812.083+/-648.226 χ^2/NDF:20.1/17

Out: -329.251+/-645.016 χ^2/NDF:18.1/20

All: -569.468+/-457.226 χ^2/NDF: 38.5/38

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1800.326+/-0.999 χ^2/NDF:0.7/1

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1802.185+/-0.968 χ^2/NDF:8.7/1

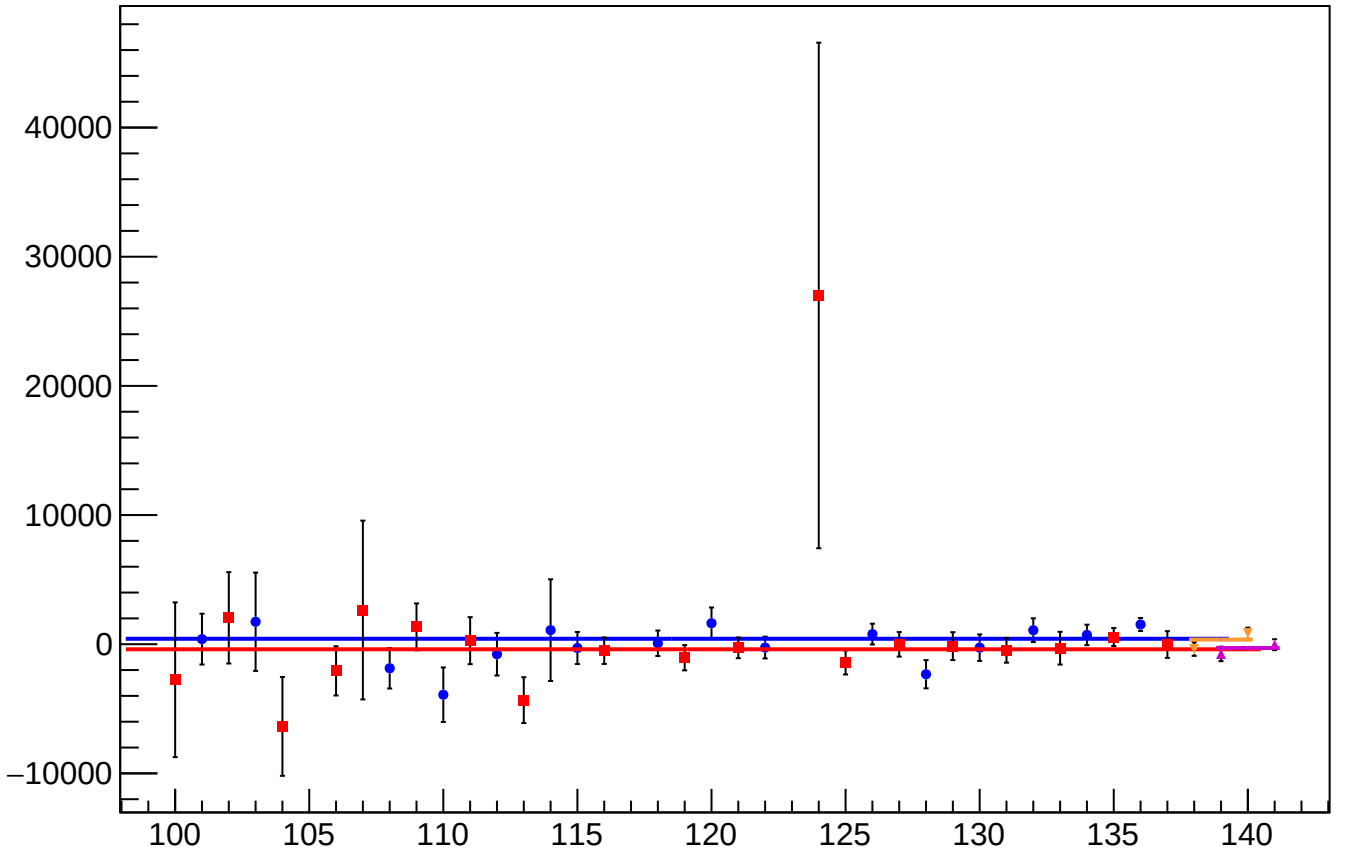
Left: 1801.284+/-0.695 χ^2/NDF: 11.1/3

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1905.998+/-0.458 χ^2/NDF:654628.5/17

Out: 1914.446+/-0.456 χ^2/NDF:292709.0/20

All: 1910.243+/-0.323 χ^2/NDF: 947508.2/38



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 359.153+/-331.796 χ^2/NDF:3.3/1

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -293.891+/-337.322 χ^2/NDF:1.0/1

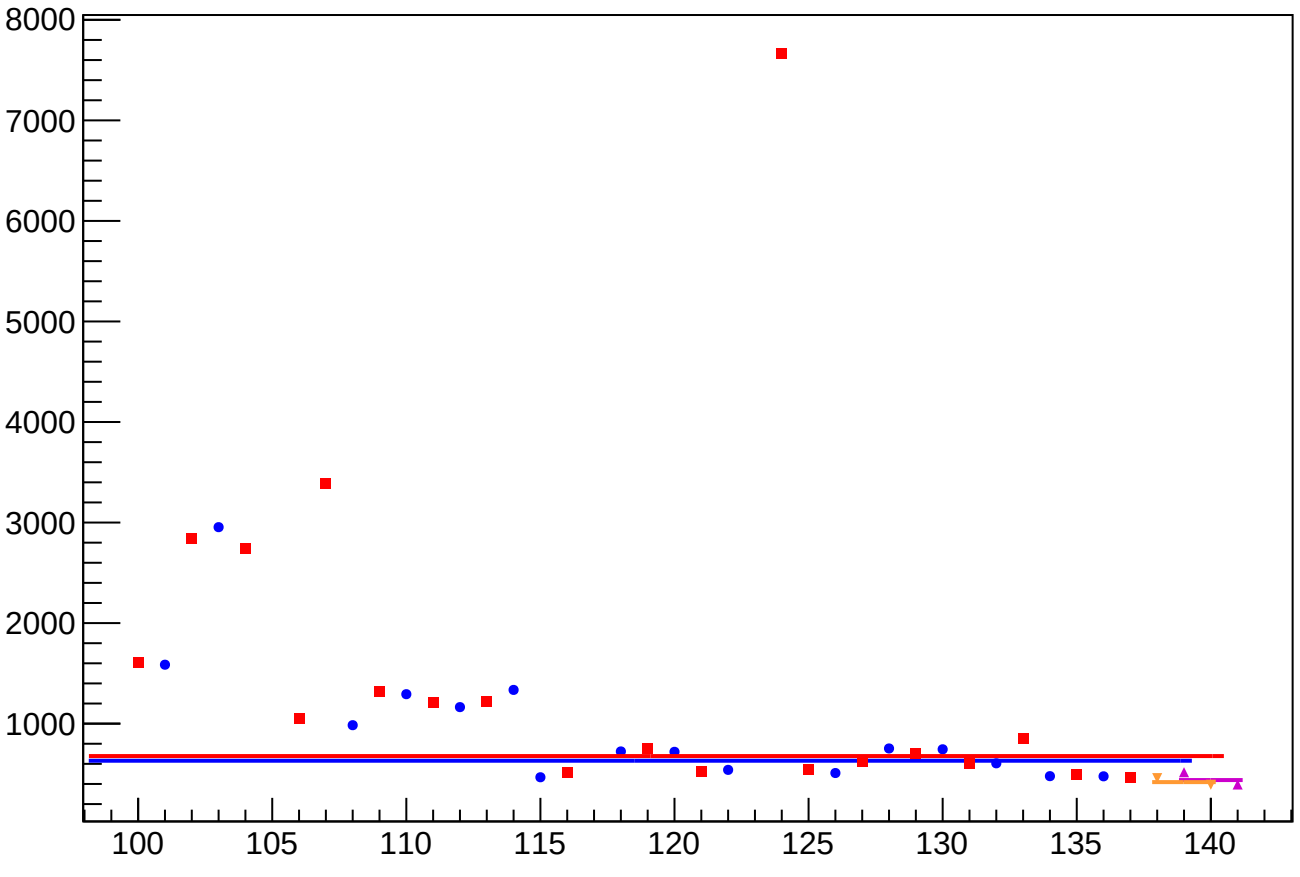
Left: 38.024+/-236.545 χ^2/NDF: 6.2/3

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 158.854+/-204.302 χ^2/NDF:25.4/17

Out: -81.066+/-213.791 χ^2/NDF:22.2/20

All: 44.337+/-147.704 χ^2/NDF: 48.2/38



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 418.452+/-0.235 χ^2/NDF:18959.9/1

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 438.801+/-0.239 χ^2/NDF:60318.1/1

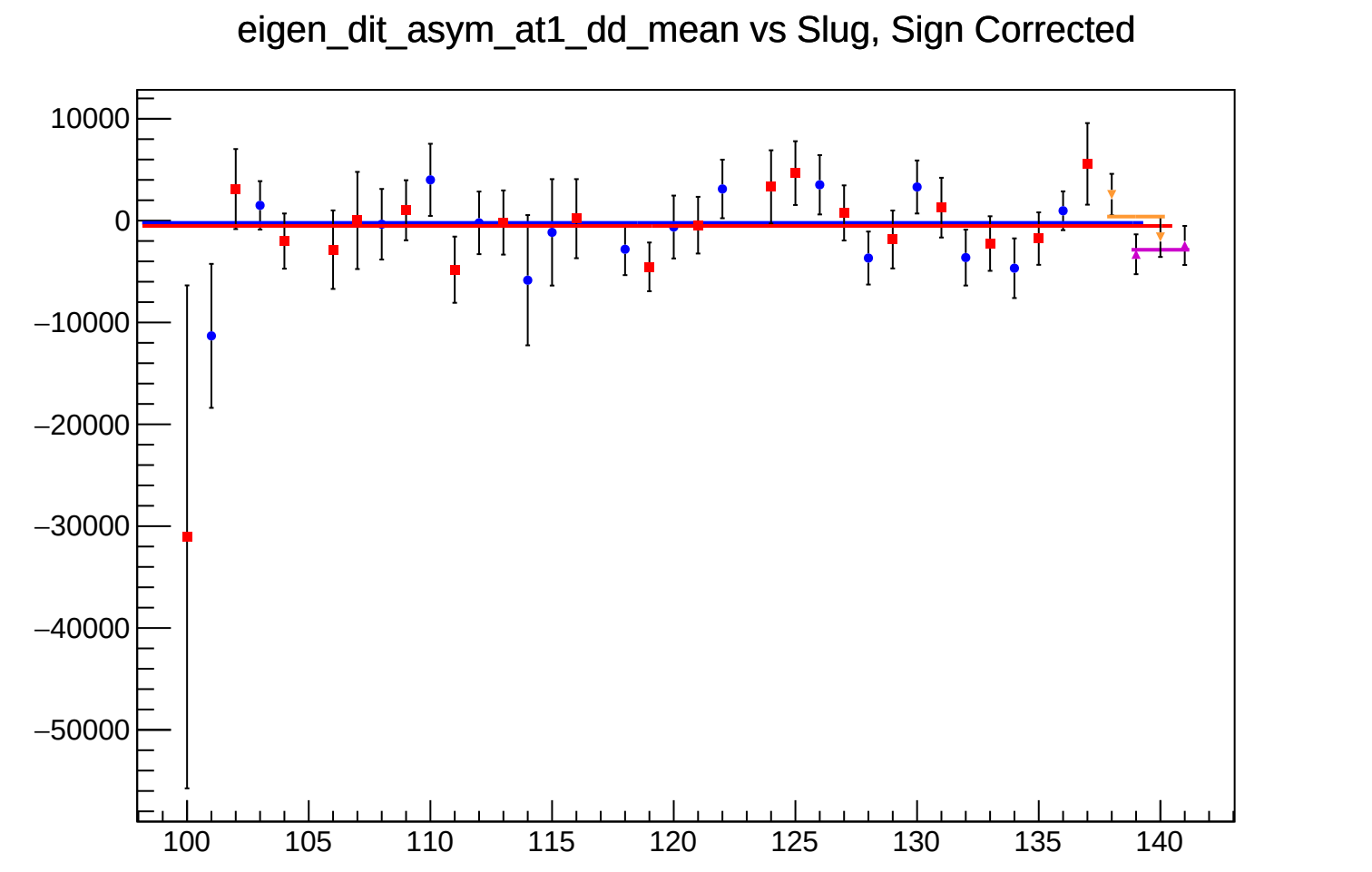
Left: 428.459+/-0.167 χ^2/NDF: 82977.6/3

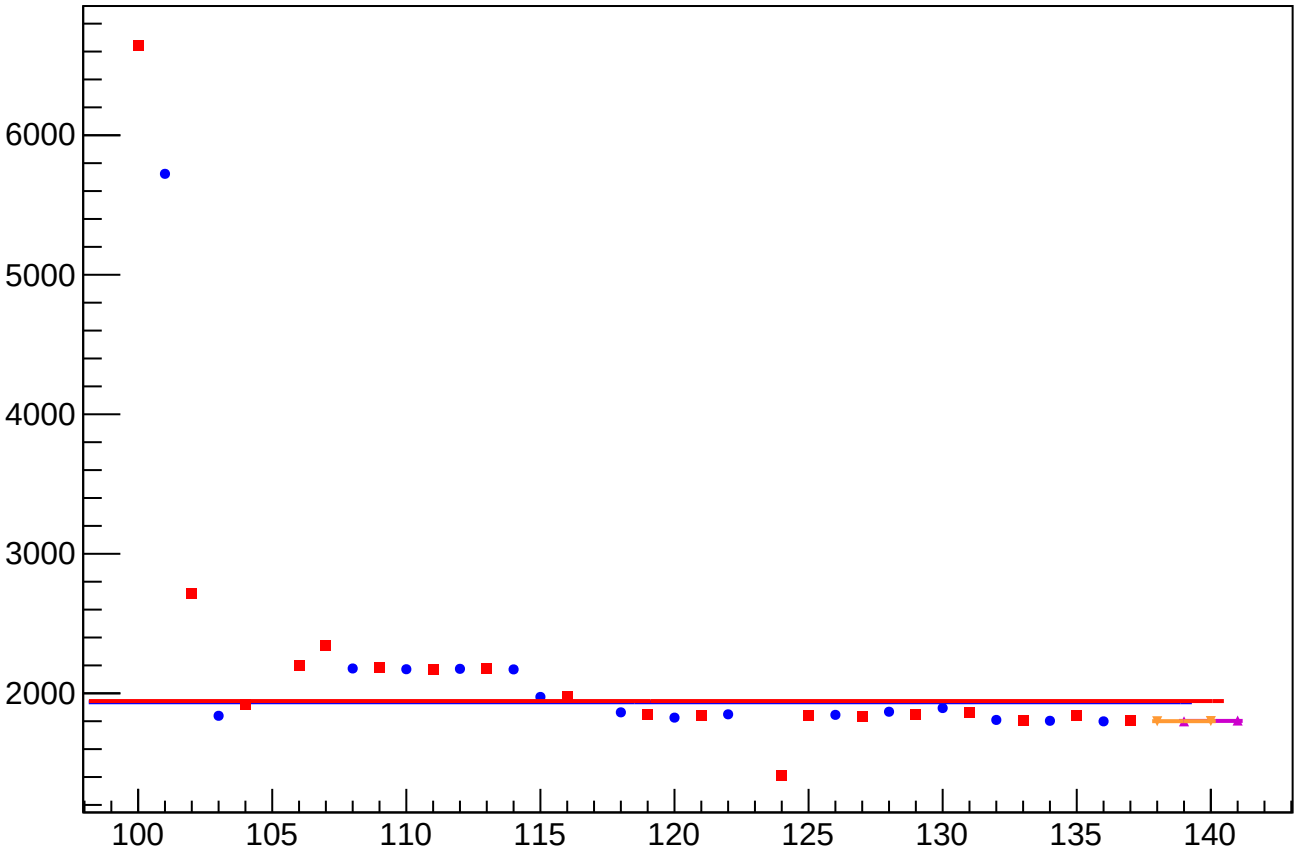
Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 560.586+/-0.144 χ^2/NDF:2706514.6/17

Out: 569.912+/-0.151 χ^2/NDF:3813155.8/20

All: 565.037+/-0.104 χ^2/NDF: 6521659.6/38


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: 396.175+/-1412.831 χ²/NDF:2.2/1
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -2861.193+/-1369.454 χ²/NDF:0.1/1
Left: -1283.281+/-983.328 χ²/NDF: 5.0/3
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -812.083+/-648.226 χ²/NDF:20.1/17
Out: -329.252+/-645.016 χ²/NDF:18.1/20
All: -569.469+/-457.226 χ²/NDF: 38.5/38



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1800.326+/-0.999 χ^2/NDF:0.7/1

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1802.185+/-0.968 χ^2/NDF:8.7/1

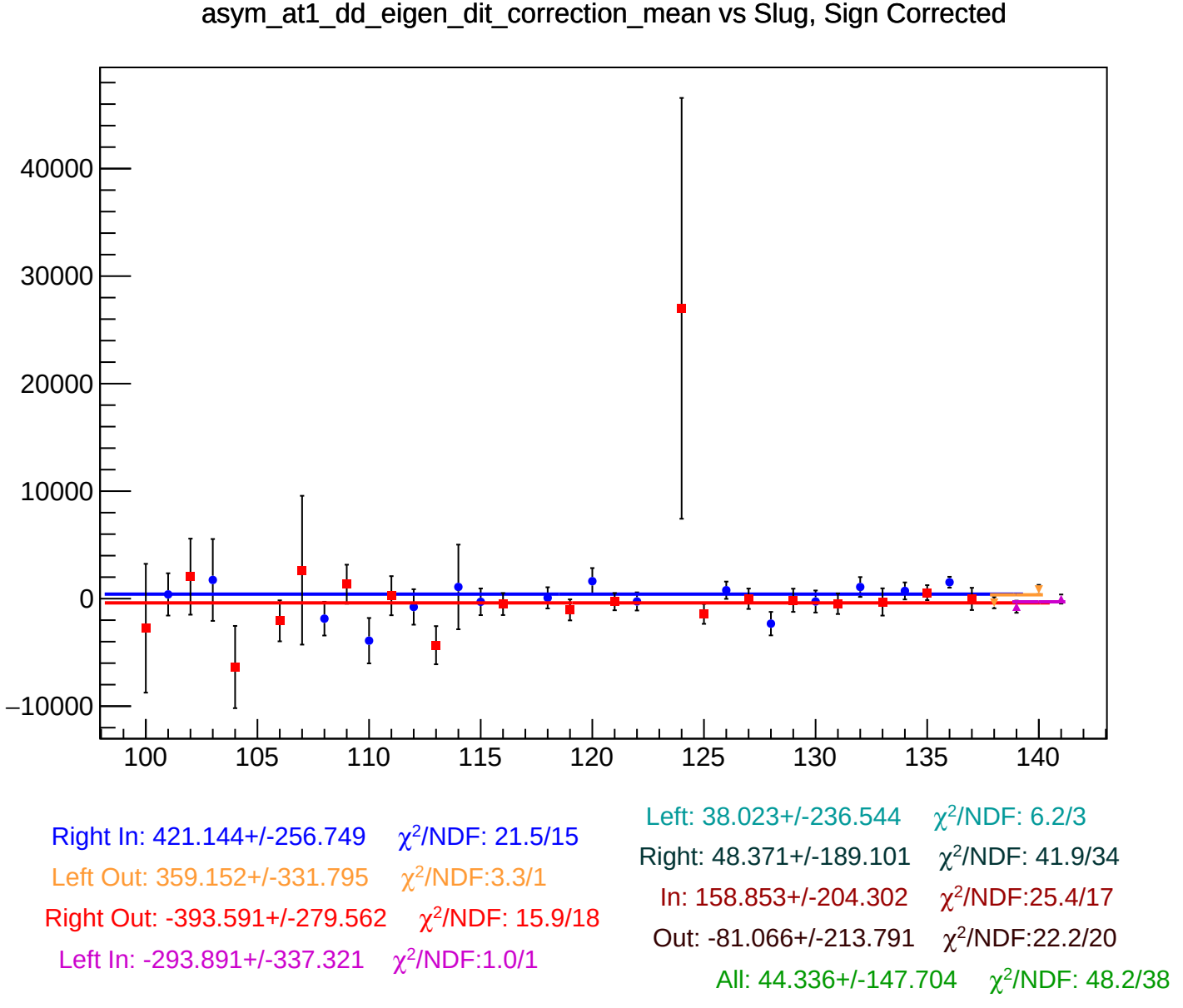
Left: 1801.284+/-0.695 χ^2/NDF: 11.1/3

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

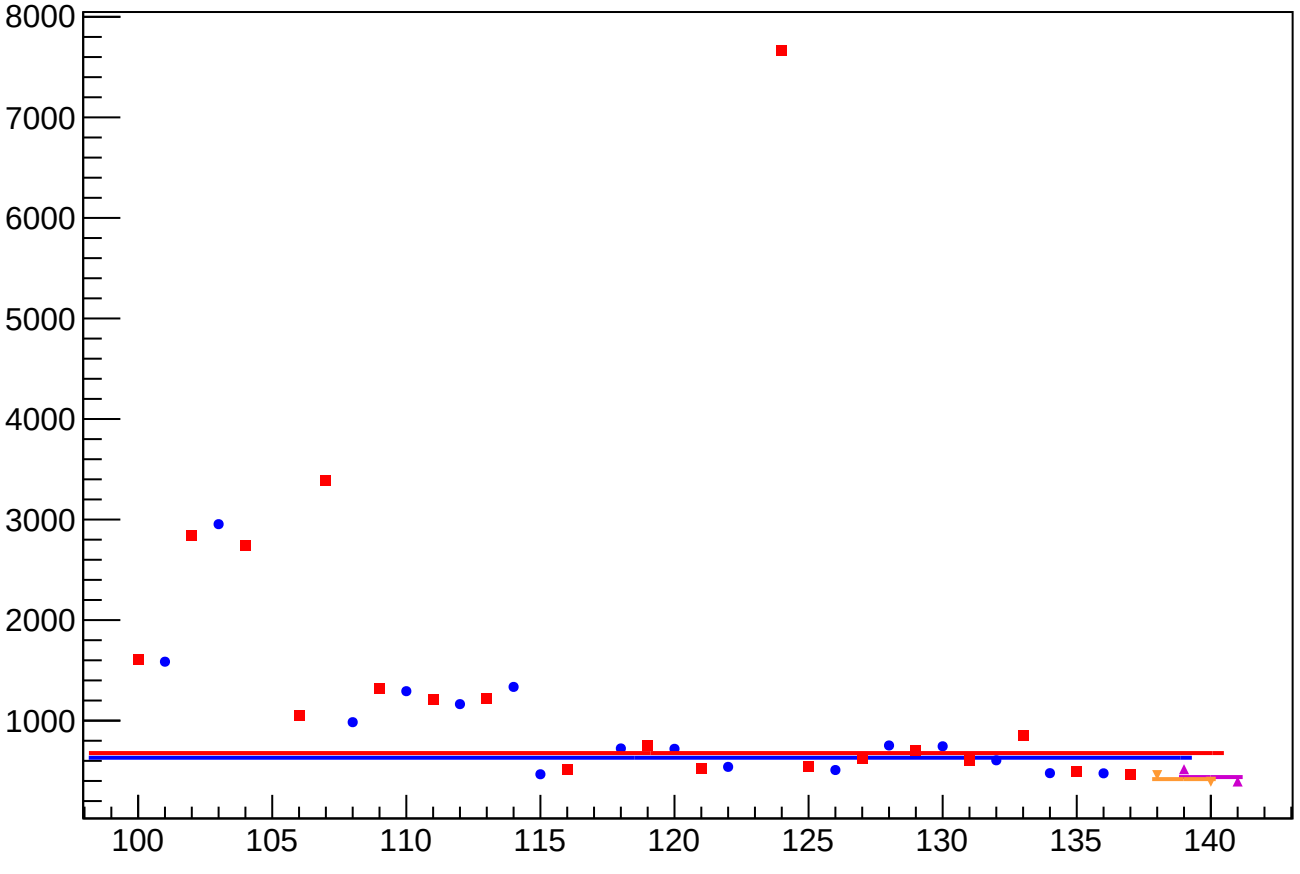
In: 1905.998+/-0.458 χ^2/NDF:654628.5/17

Out: 1914.446+/-0.456 χ^2/NDF:292708.8/20

All: 1910.243+/-0.323 χ^2/NDF: 947508.0/38


asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
Right In: 421.144+/-256.749 χ²/NDF: 21.5/15
Left Out: 359.152+/-331.795 χ²/NDF:3.3/1
Right Out: -393.591+/-279.562 χ²/NDF: 15.9/18
Left In: -293.891+/-337.321 χ²/NDF:1.0/1
Left: 38.023+/-236.544 χ²/NDF: 6.2/3
Right: 48.371+/-189.101 χ²/NDF: 41.9/34
In: 158.853+/-204.302 χ²/NDF:25.4/17
Out: -81.066+/-213.791 χ²/NDF:22.2/20
All: 44.336+/-147.704 χ²/NDF: 48.2/38

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 418.451+/-0.235 χ^2/NDF:18959.7/1

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 438.801+/-0.239 χ^2/NDF:60318.5/1

Left: 428.458+/-0.167 χ^2/NDF: 82977.8/3

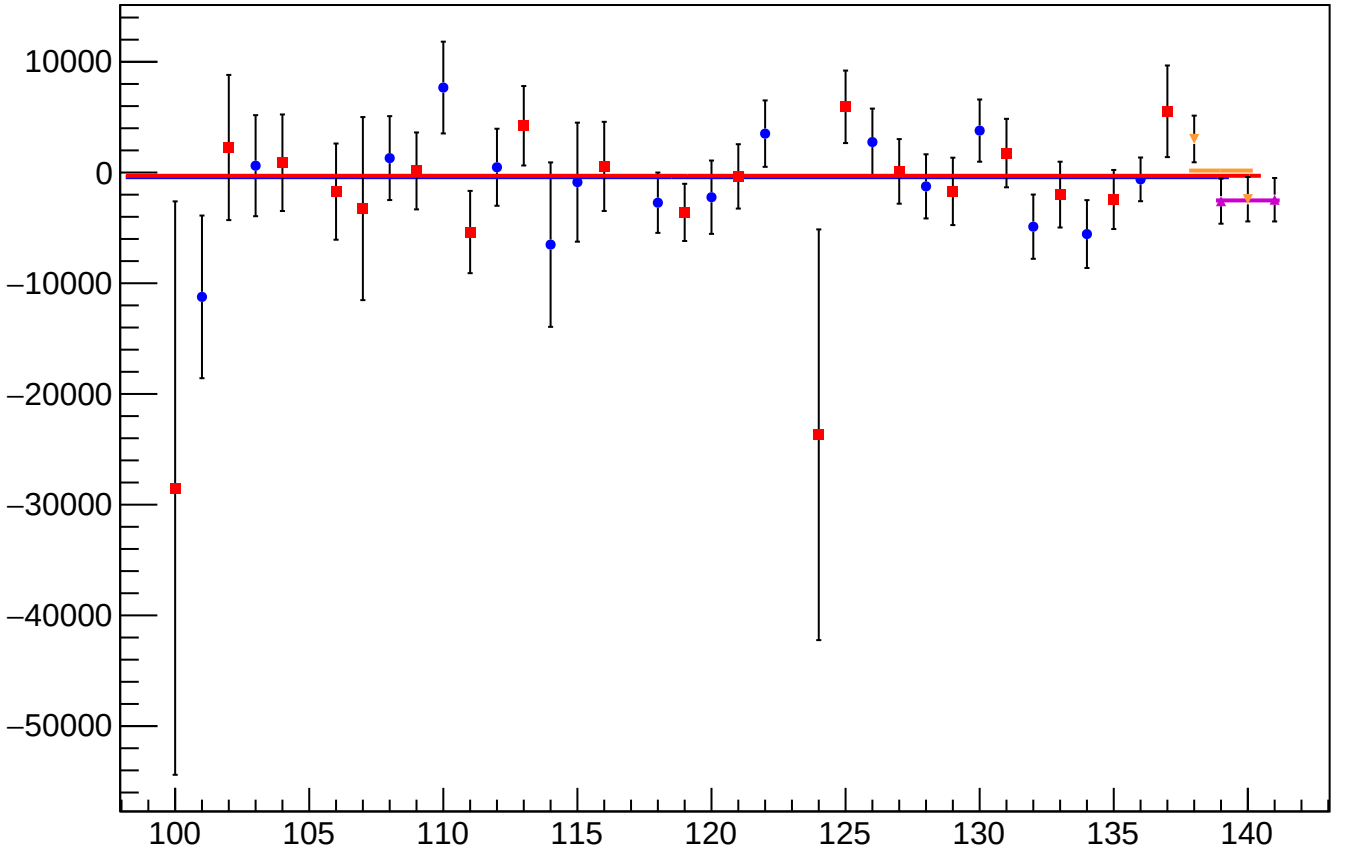
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 560.585+/-0.144 χ^2/NDF:2706517.8/17

Out: 569.911+/-0.151 χ^2/NDF:3813163.0/20

All: 565.036+/-0.104 χ^2/NDF: 6521669.9/38

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: 177.251+/-1453.049 χ^2/NDF:3.5/1

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -2518.900+/-1412.251 χ^2/NDF:0.0/1

Left: -1209.207+/-1012.728 χ^2/NDF: 5.3/3

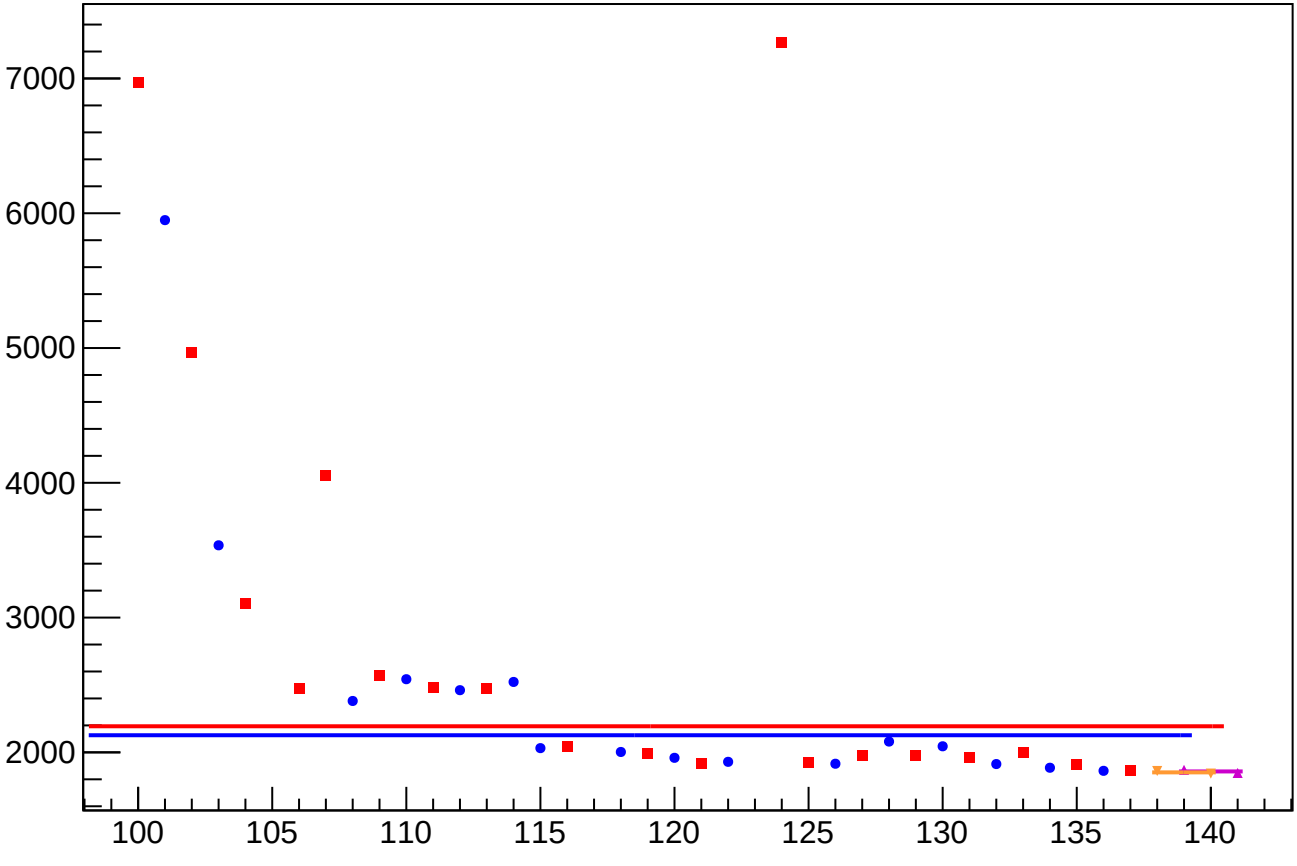
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -942.977+/-706.129 χ^2/NDF:20.0/17

Out: -178.123+/-721.762 χ^2/NDF:19.2/20

All: -568.923+/-504.745 χ^2/NDF: 39.8/38

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1851.524+/-1.027 χ^2/NDF:87.9/1

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1858.462+/-0.999 χ^2/NDF:134.1/1

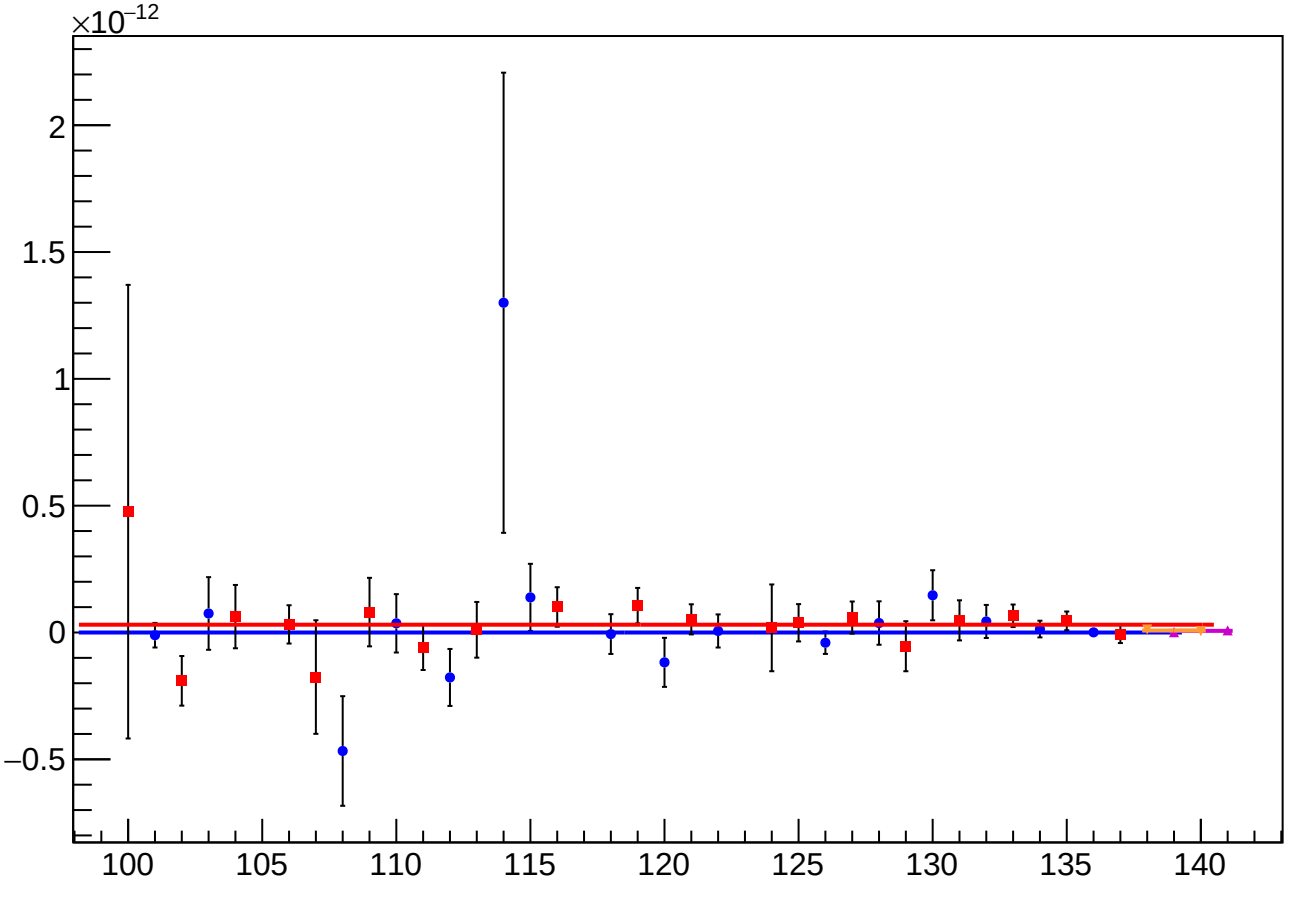
Left: 1855.092+/-0.716 χ^2/NDF: 245.4/3

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 2059.896+/-0.499 χ^2/NDF:929463.6/17

Out: 2109.169+/-0.510 χ^2/NDF:1026145.2/20

All: 2083.993+/-0.357 χ^2/NDF: 1960371.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

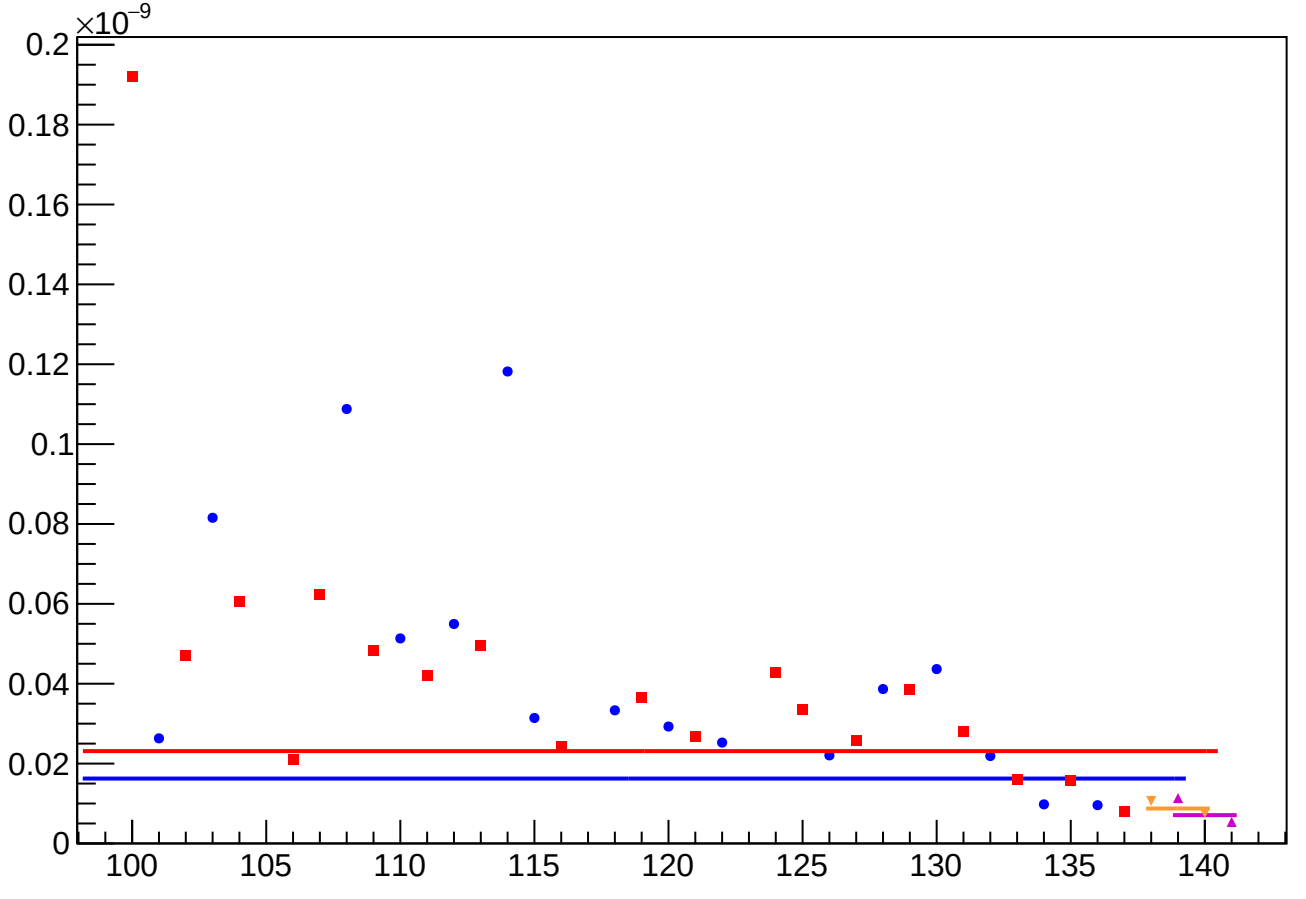
Left: 0.000+/-0.000 χ^2/NDF: 0.2/3

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:16.4/17

Out: 0.000+/-0.000 χ^2/NDF:14.0/20

All: 0.000+/-0.000 χ^2/NDF: 31.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:40332.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:160347.5/1

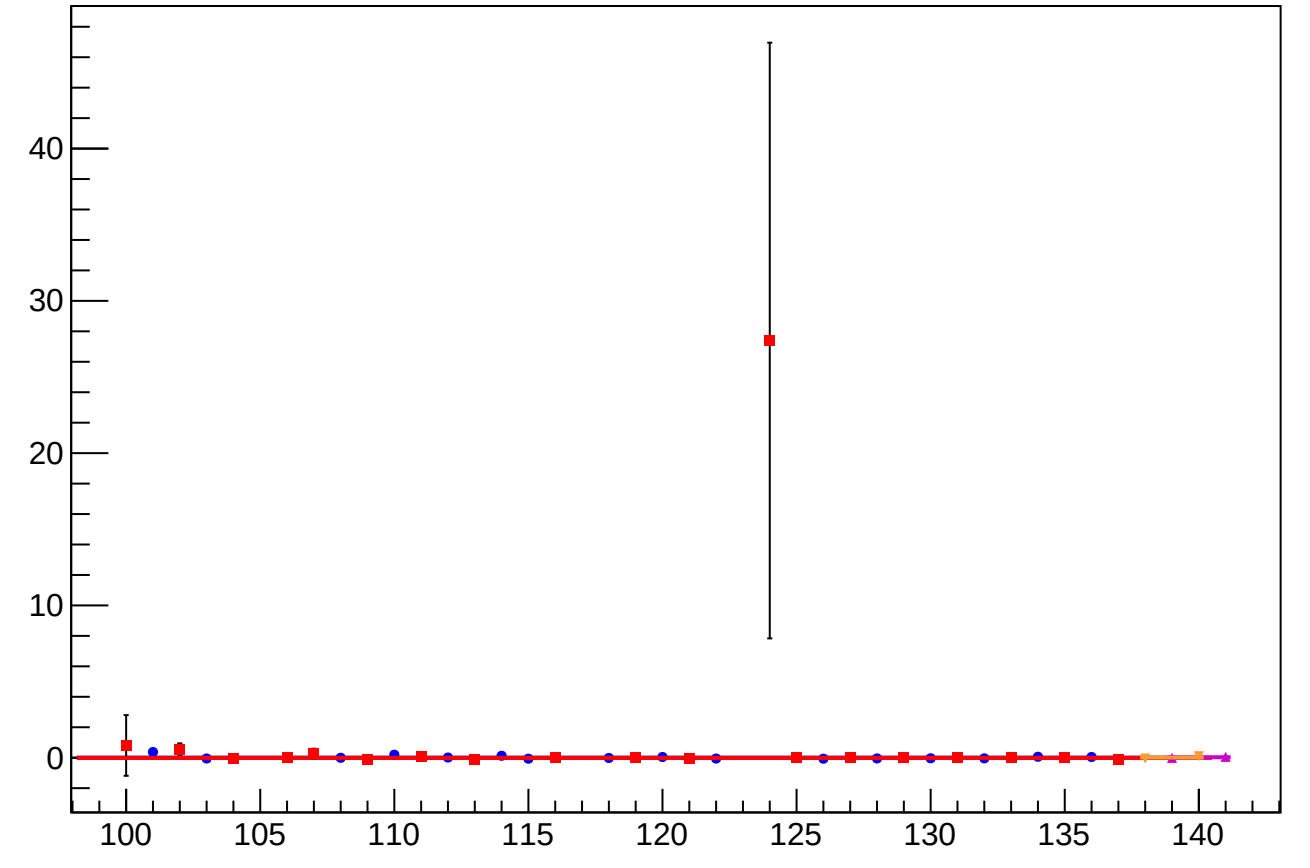
Left: 0.000+/-0.000 χ^2/NDF: 227807.6/3

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:3173043.8/17

Out: 0.000+/-0.000 χ^2/NDF:2601956.9/20

All: 0.000+/-0.000 χ^2/NDF: 5873938.8/38



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.027 χ^2/NDF:8.1/1

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.029+/-0.027 χ^2/NDF:1.5/1

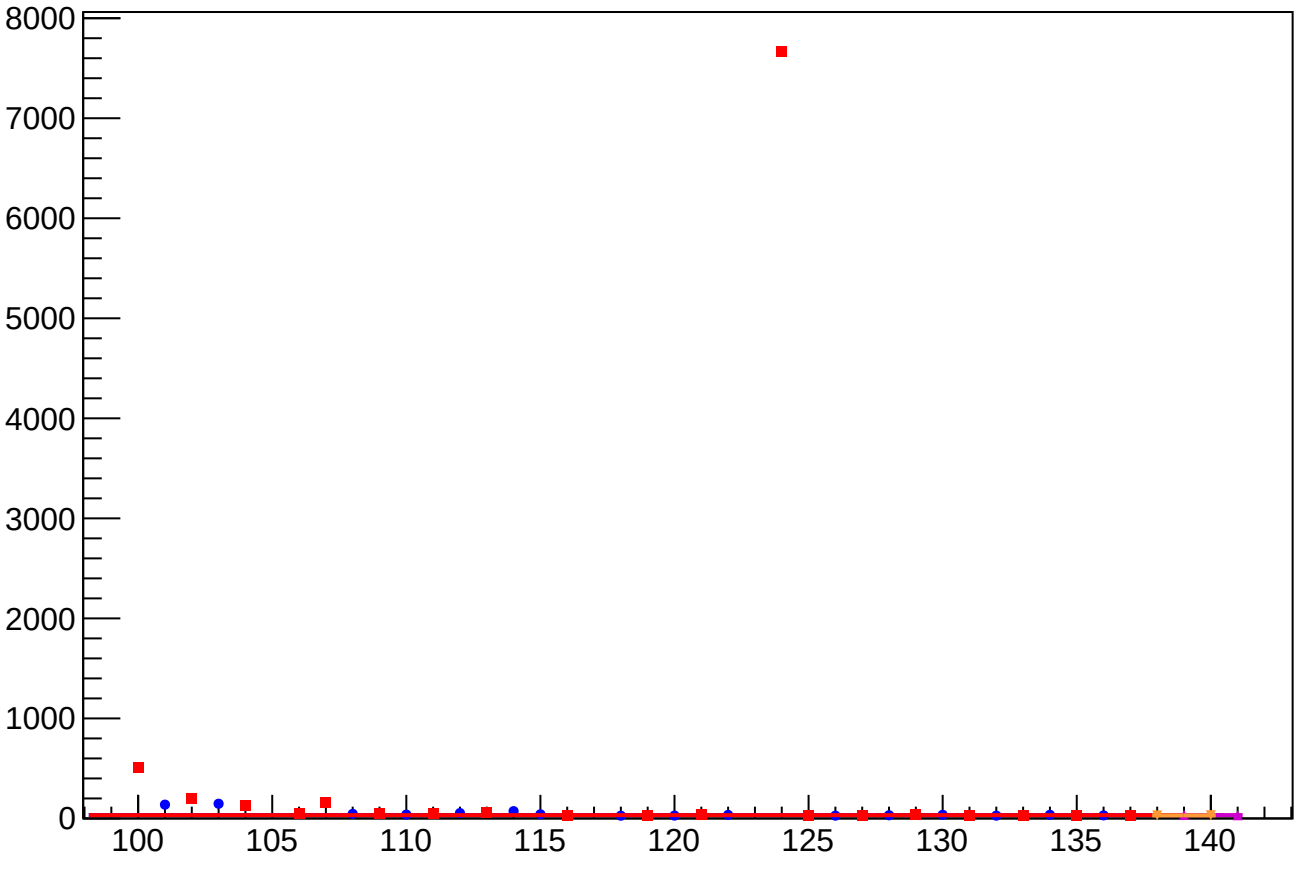
Left: 0.021+/-0.019 χ^2/NDF: 9.7/3

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.008+/-0.013 χ^2/NDF:23.3/17

Out: -0.006+/-0.013 χ^2/NDF:23.0/20

All: 0.001+/-0.009 χ^2/NDF: 46.8/38



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.153+/-0.019 χ^2/NDF:2433.5/1

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.865+/-0.019 χ^2/NDF:9308.3/1

Left: 32.478+/-0.014 χ^2/NDF: 21751.4/3

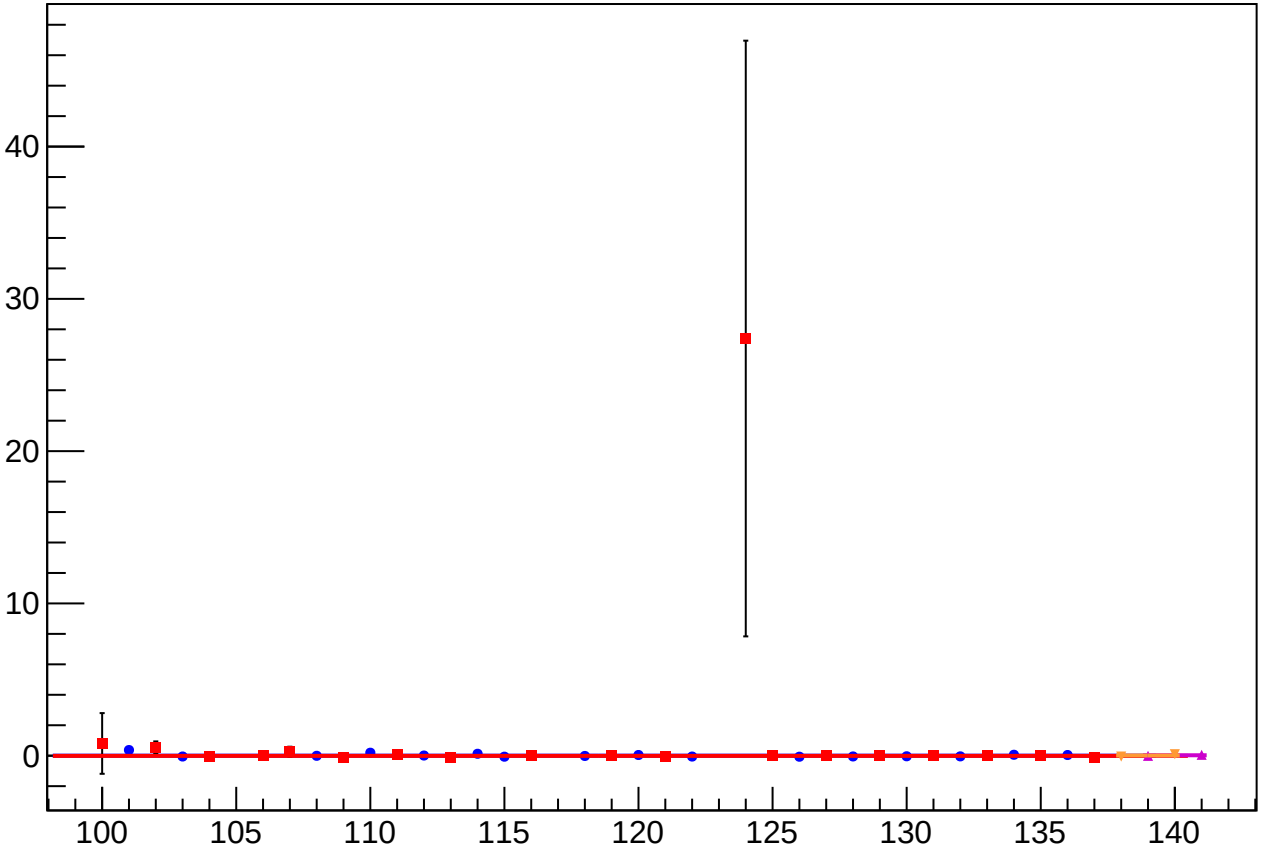
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.012+/-0.009 χ^2/NDF:1726649.4/17

Out: 32.629+/-0.009 χ^2/NDF:2085496.4/20

All: 33.321+/-0.006 χ^2/NDF: 3823472.6/38

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.027 χ^2/NDF:8.1/1

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.029+/-0.027 χ^2/NDF:1.5/1

Left: 0.021+/-0.019 χ^2/NDF: 9.7/3

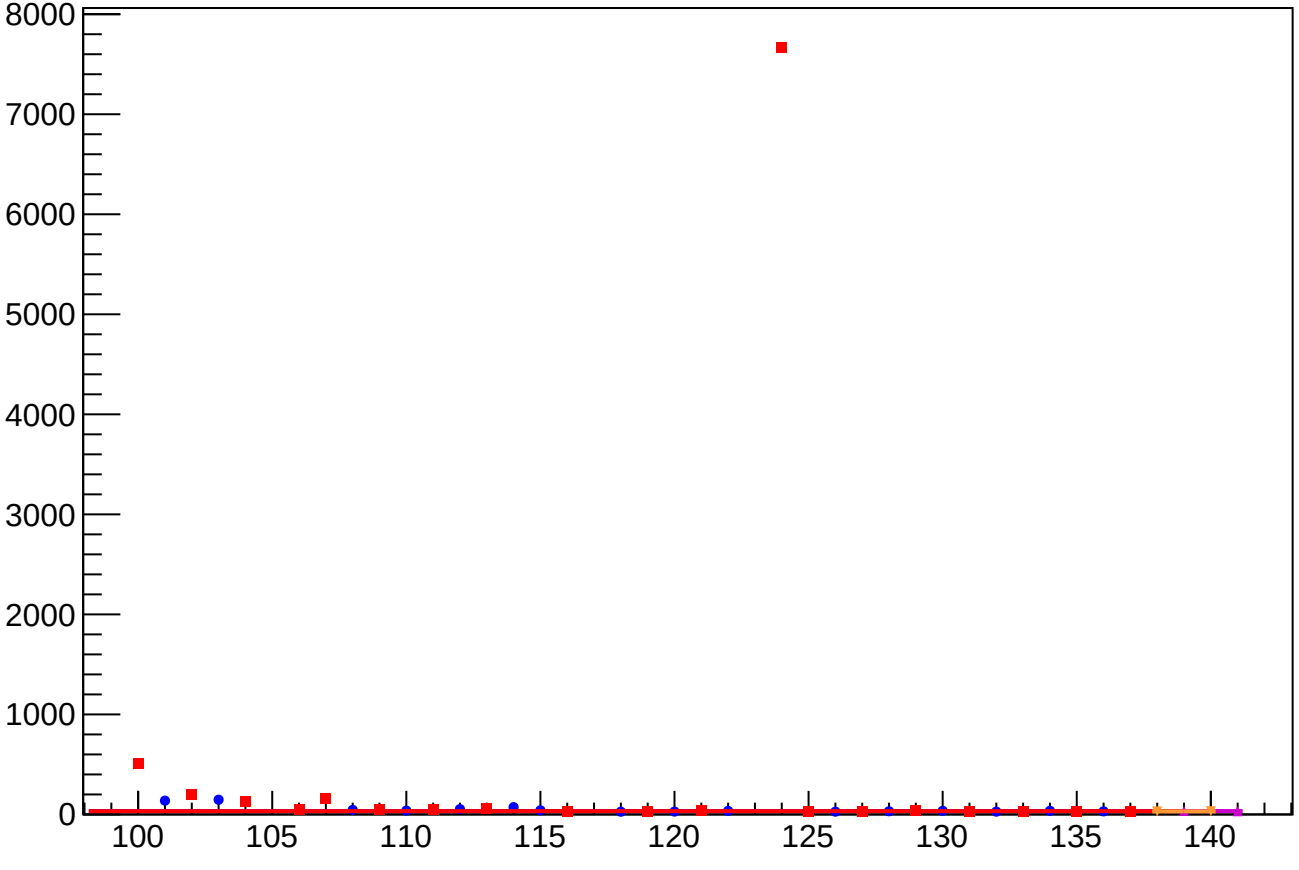
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.008+/-0.013 χ^2/NDF:23.3/17

Out: -0.006+/-0.013 χ^2/NDF:23.0/20

All: 0.001+/-0.009 χ^2/NDF: 46.8/38

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.153+/-0.019 χ^2/NDF:2433.5/1

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.865+/-0.019 χ^2/NDF:9308.3/1

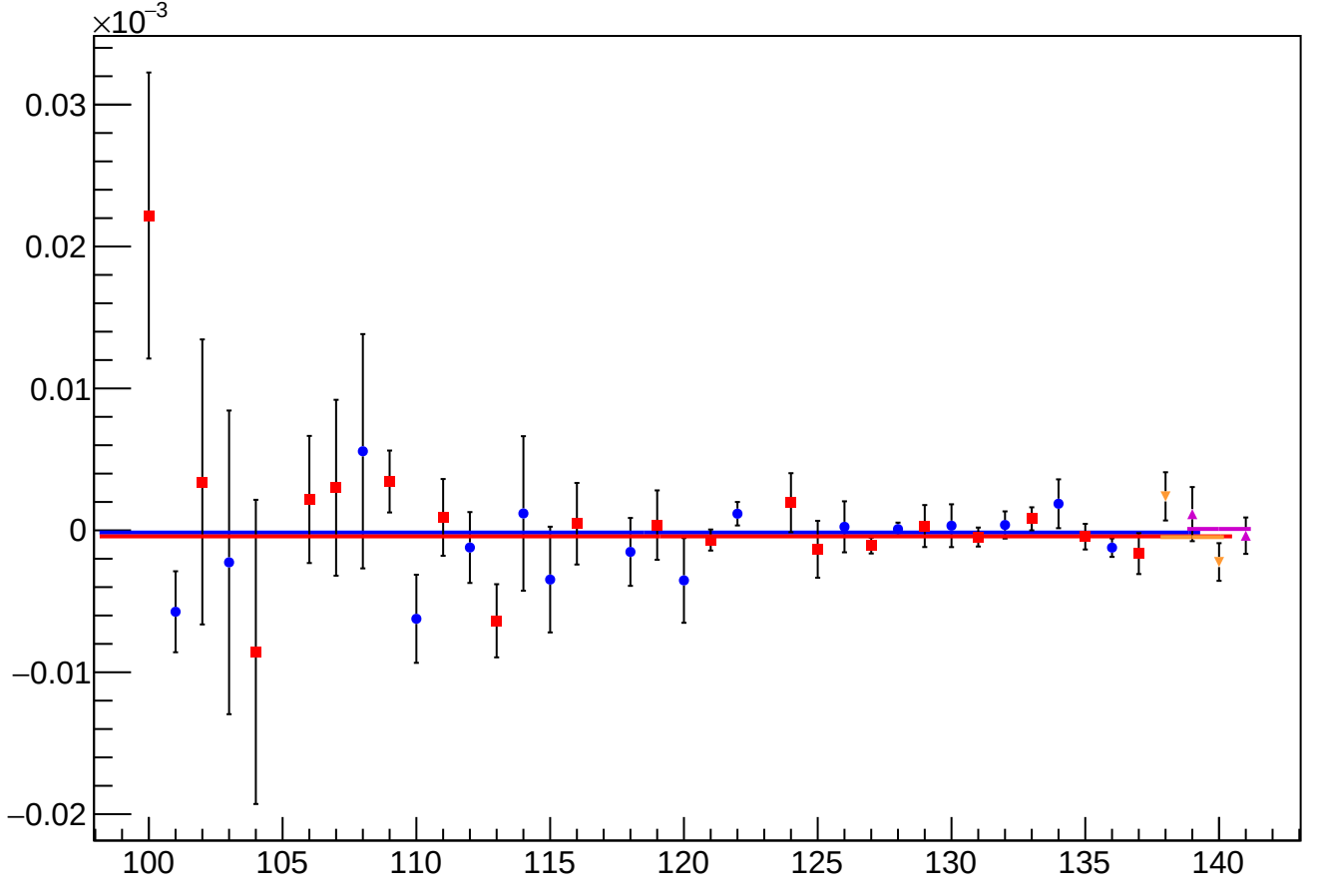
Left: 32.478+/-0.014 χ^2/NDF: 21751.4/3

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.012+/-0.009 χ^2/NDF:1726649.4/17

Out: 32.629+/-0.009 χ^2/NDF:2085496.4/20

All: 33.321+/-0.006 χ^2/NDF: 3823472.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

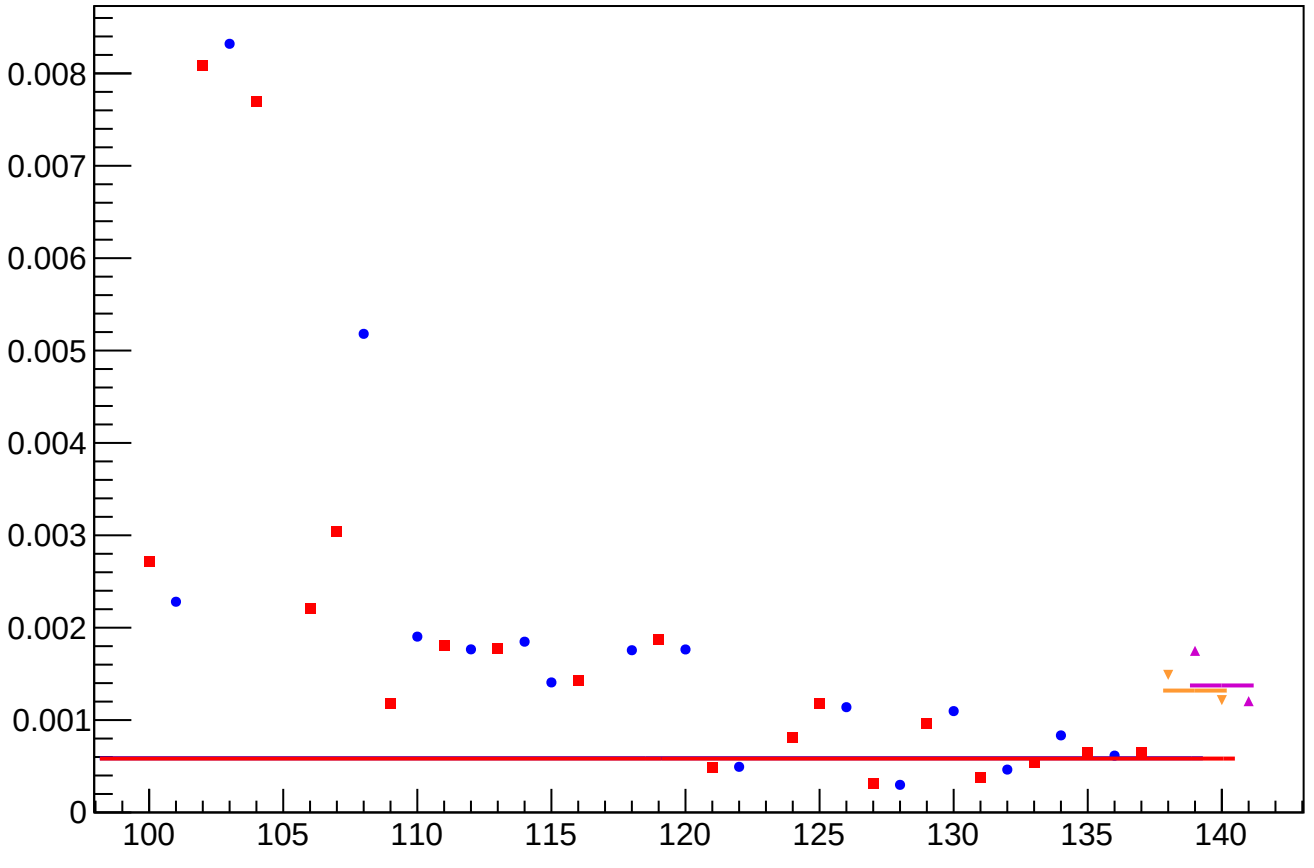
Left: -0.000+/-0.000 χ^2/NDF: 5.2/3

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:18.7/17

Out: -0.000+/-0.000 χ^2/NDF:26.2/20

All: -0.000+/-0.000 χ^2/NDF: 45.4/38



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:32211.7/1

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:112334.2/1

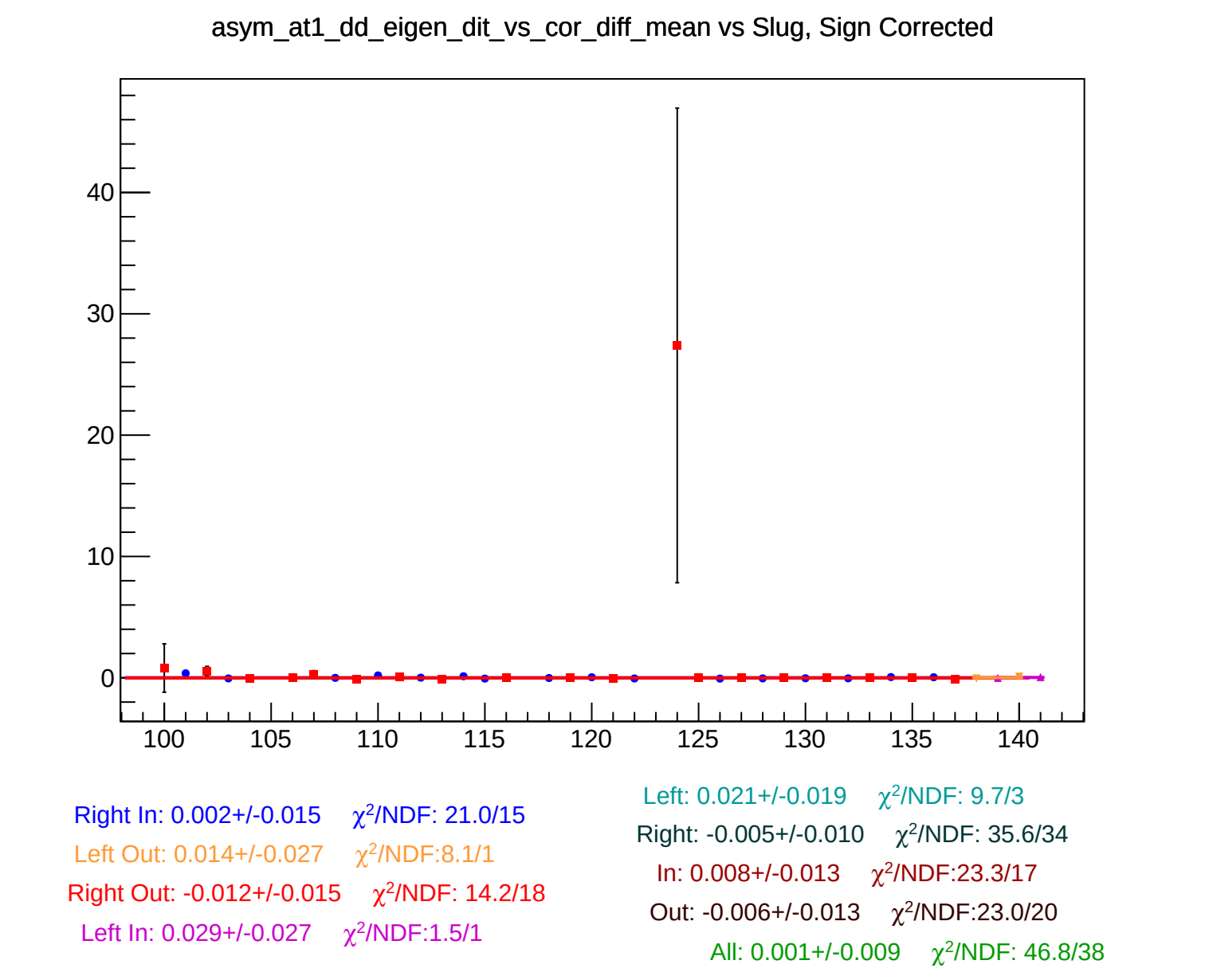
Left: 0.001+/-0.000 χ^2/NDF: 147285.6/3

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

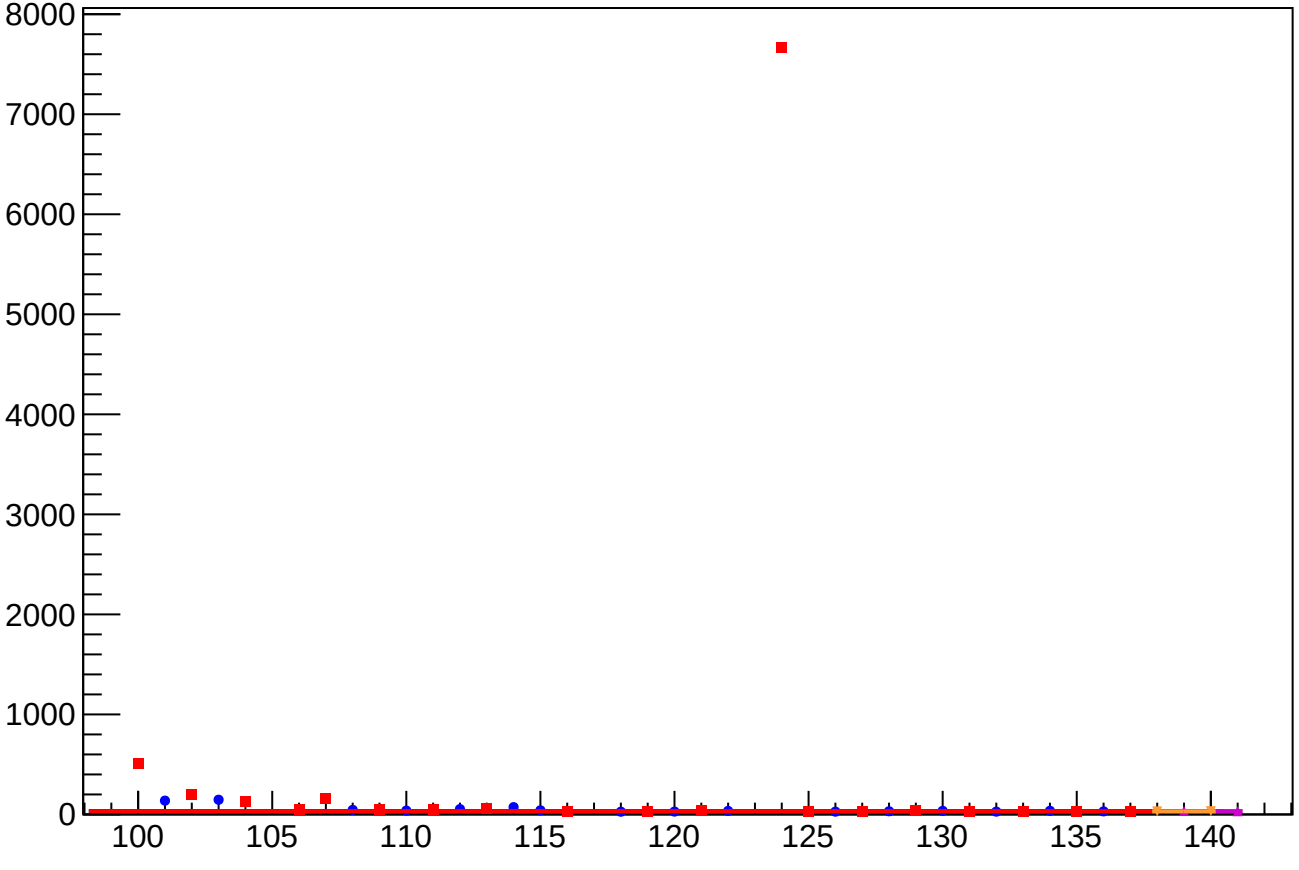
In: 0.001+/-0.000 χ^2/NDF:6616286.6/17

Out: 0.001+/-0.000 χ^2/NDF:6386373.2/20

All: 0.001+/-0.000 χ^2/NDF: 13003564.1/38


asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
105
110
115
120
125
130
135
140
Right In: 0.002+/-0.015 χ2/NDF: 21.0/15
Left Out: 0.014+/-0.027 χ2/NDF:8.1/1
Right Out: -0.012+/-0.015 χ2/NDF: 14.2/18
Left In: 0.029+/-0.027 χ2/NDF:1.5/1
Left: 0.021+/-0.019 χ2/NDF: 9.7/3
Right: -0.005+/-0.010 χ2/NDF: 35.6/34
In: 0.008+/-0.013 χ2/NDF:23.3/17
Out: -0.006+/-0.013 χ2/NDF:23.0/20
All: 0.001+/-0.009 χ2/NDF: 46.8/38

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.152+/-0.019 χ^2/NDF:2434.3/1

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.865+/-0.019 χ^2/NDF:9308.0/1

Left: 32.478+/-0.014 χ^2/NDF: 21755.7/3

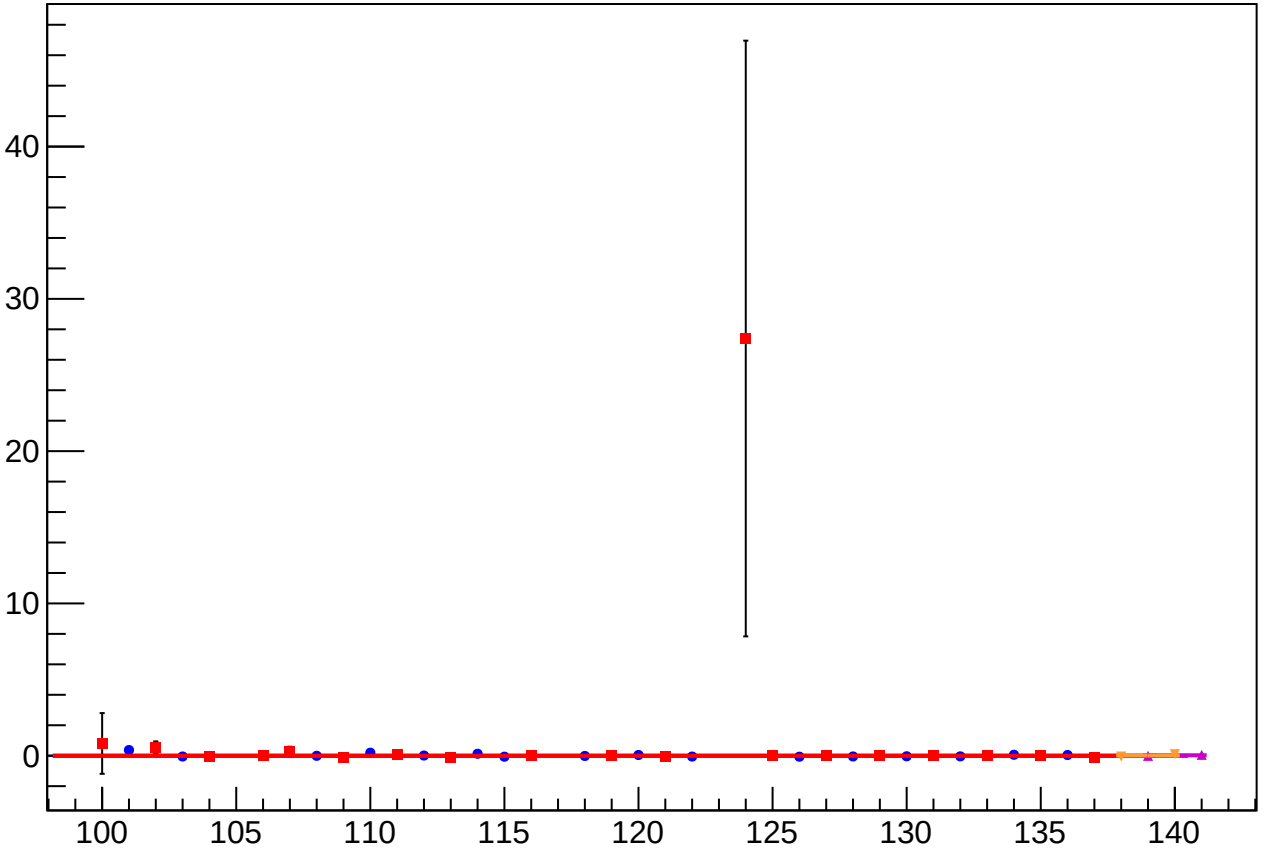
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.013+/-0.009 χ^2/NDF:1726637.5/17

Out: 32.629+/-0.009 χ^2/NDF:2085481.2/20

All: 33.321+/-0.006 χ^2/NDF: 3823448.9/38

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.027 χ^2/NDF:8.1/1

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.029+/-0.027 χ^2/NDF:1.5/1

Left: 0.021+/-0.019 χ^2/NDF: 9.7/3

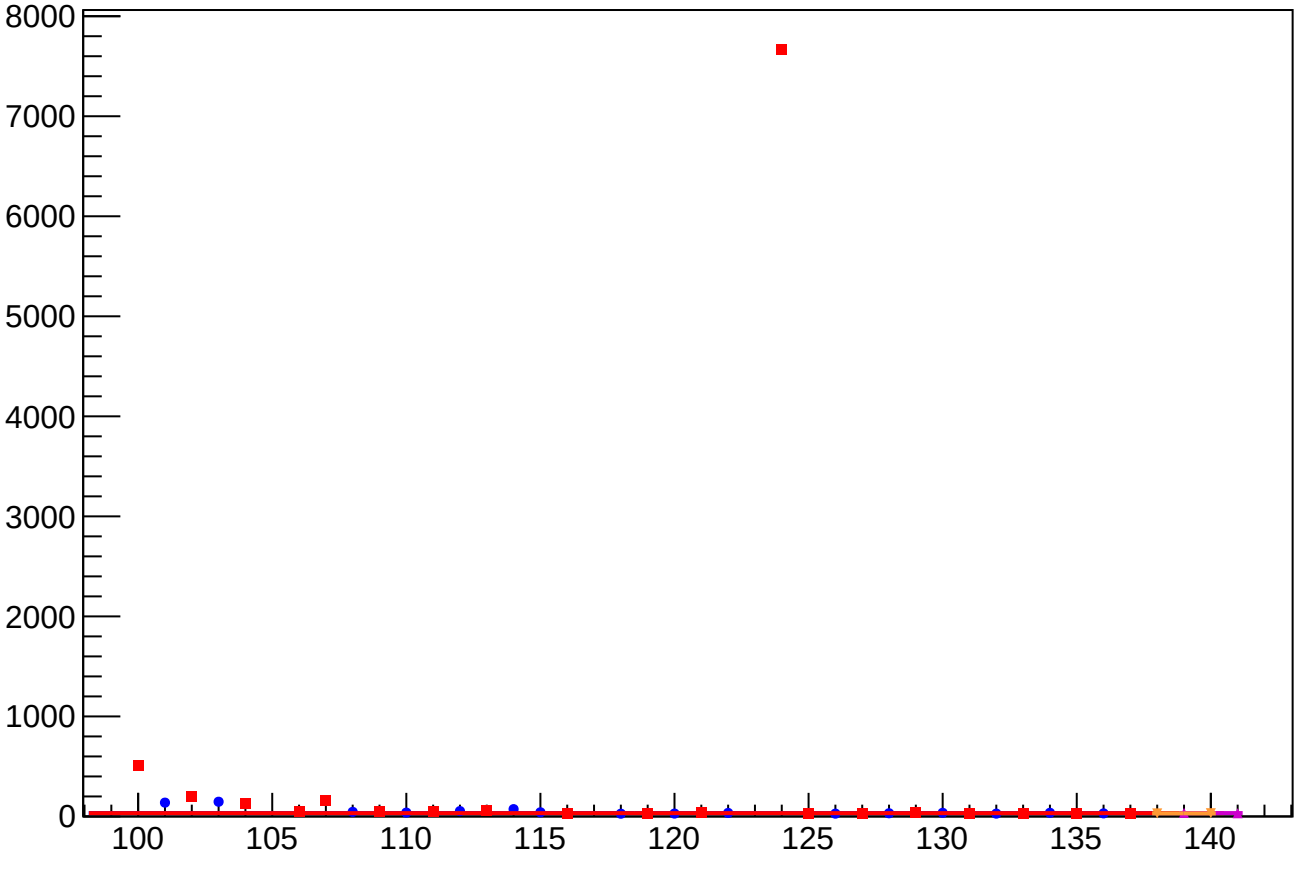
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.008+/-0.013 χ^2/NDF:23.3/17

Out: -0.006+/-0.013 χ^2/NDF:23.0/20

All: 0.001+/-0.009 χ^2/NDF: 46.8/38

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.152+/-0.019 χ^2/NDF:2434.3/1

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.865+/-0.019 χ^2/NDF:9308.0/1

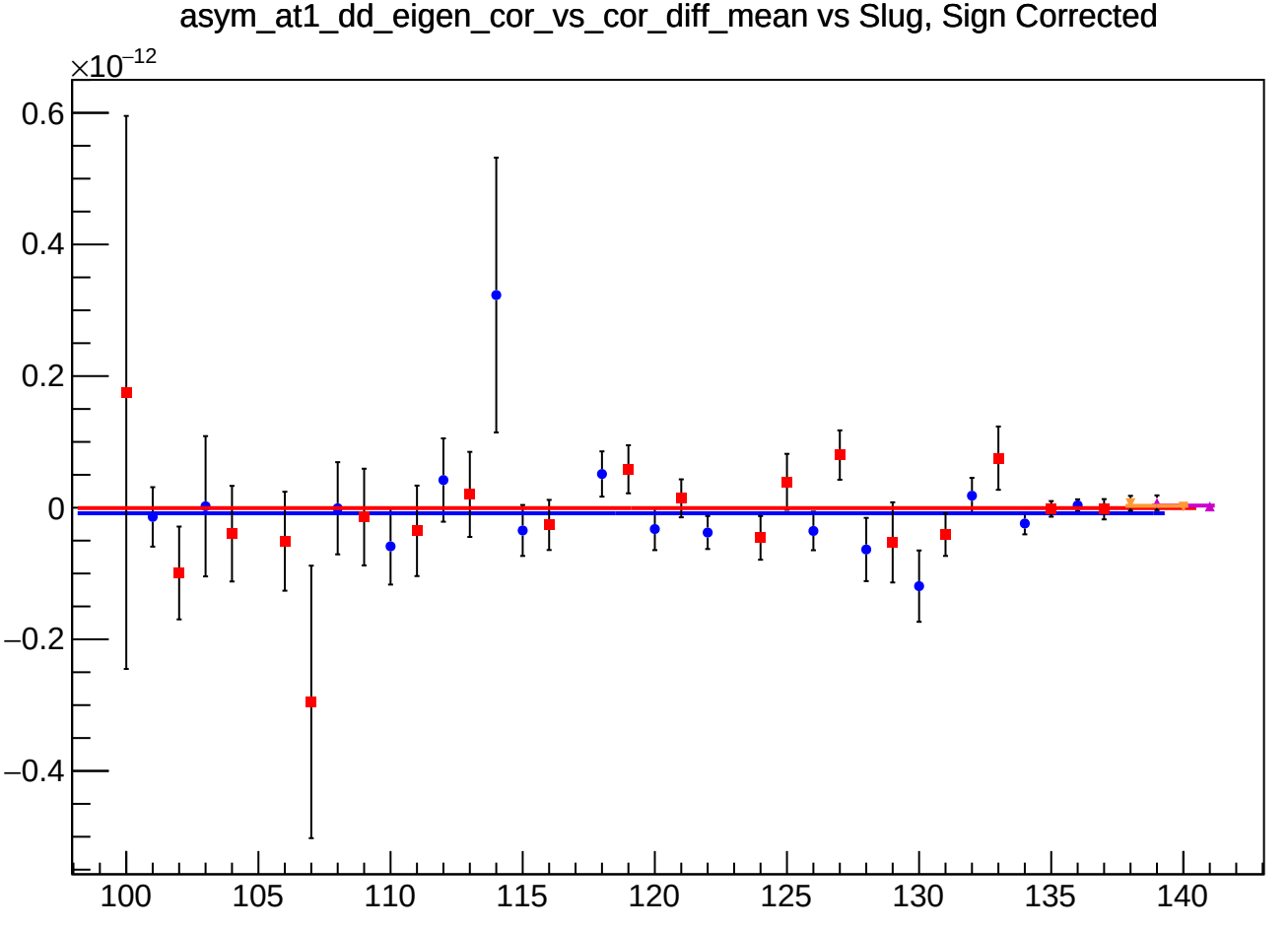
Left: 32.478+/-0.014 χ^2/NDF: 21755.7/3

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.013+/-0.009 χ^2/NDF:1726637.5/17

Out: 32.629+/-0.009 χ^2/NDF:2085481.2/20

All: 33.321+/-0.006 χ^2/NDF: 3823448.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

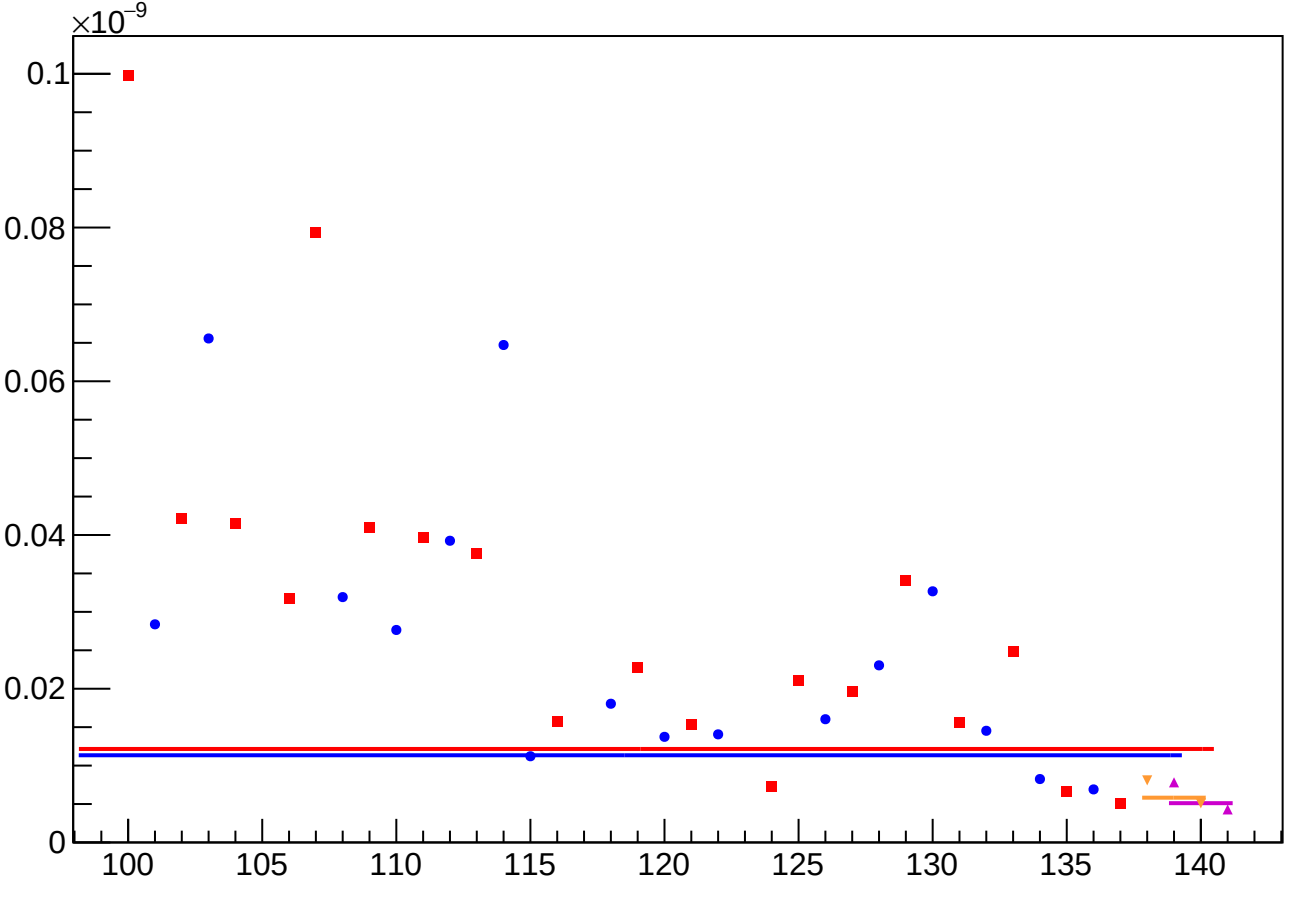
Left: 0.000+/-0.000 χ^2/NDF: 0.4/3

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: -0.000+/-0.000 χ^2/NDF:21.4/17

Out: 0.000+/-0.000 χ^2/NDF:21.1/20

All: -0.000+/-0.000 χ^2/NDF: 42.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:106627.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:151144.6/1

Left: 0.000+/-0.000 χ^2/NDF: 274638.9/3

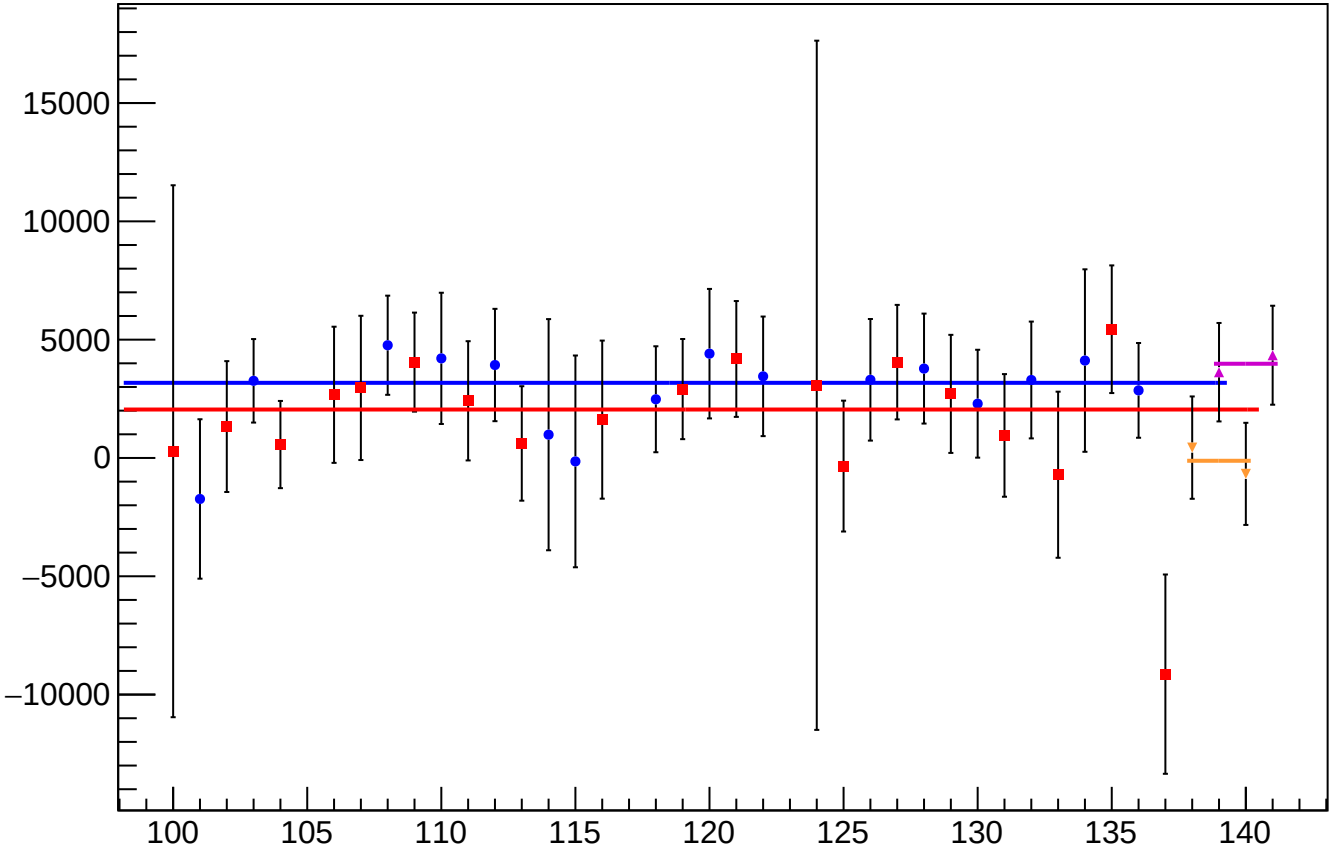
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4073094.0/17

Out: 0.000+/-0.000 χ^2/NDF:4821692.5/20

All: 0.000+/-0.000 χ^2/NDF: 8907849.8/38

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -118.874+/-1527.614 χ^2/NDF:0.1/1

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3981.499+/-1475.079 χ^2/NDF:0.1/1

Left: 2003.030+/-1061.125 χ^2/NDF: 3.9/3

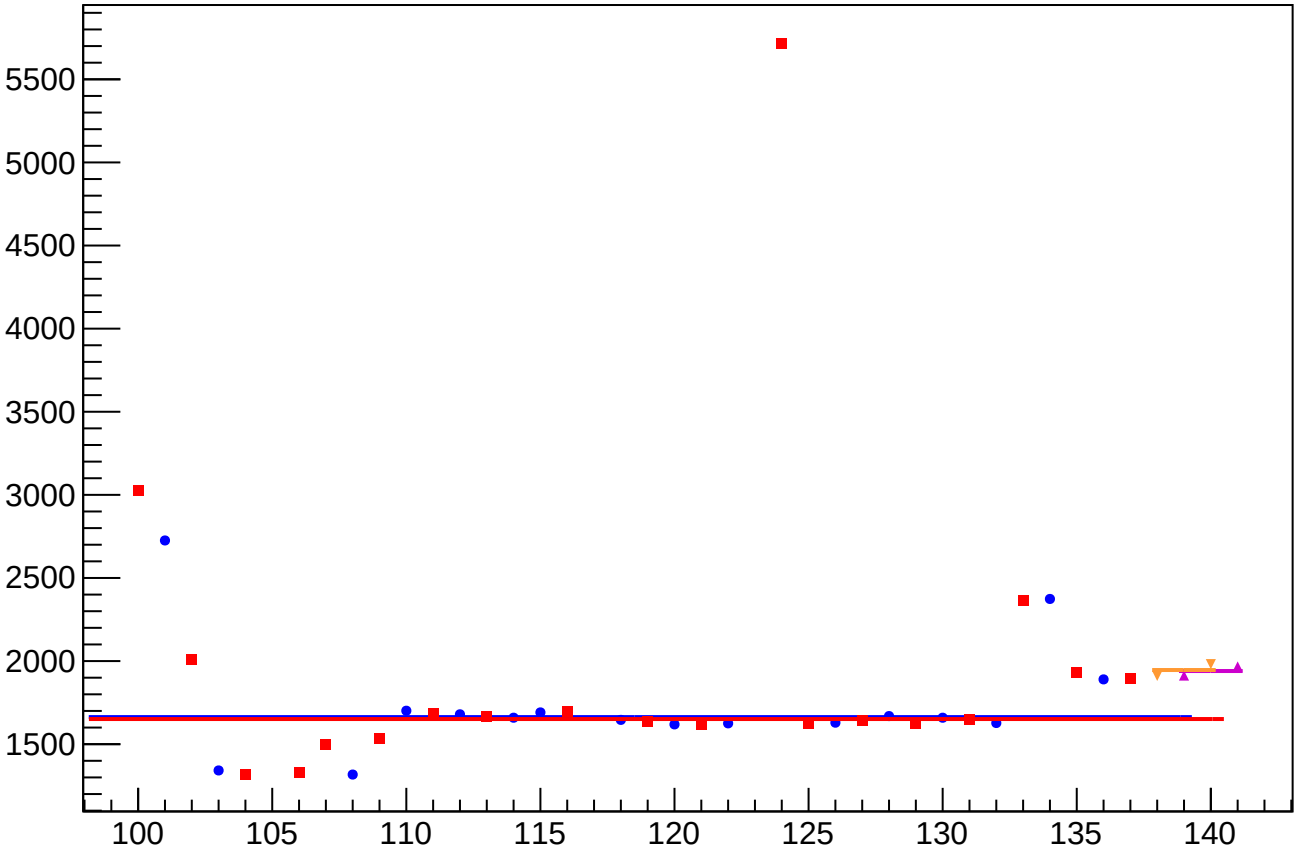
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3299.255+/-577.807 χ^2/NDF:4.6/17

Out: 1739.760+/-575.678 χ^2/NDF:15.9/20

All: 2516.629+/-407.817 χ^2/NDF: 24.2/38

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1946.135+/-1.080 χ^2/NDF:1080.6/1

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1940.171+/-1.043 χ^2/NDF:690.4/1

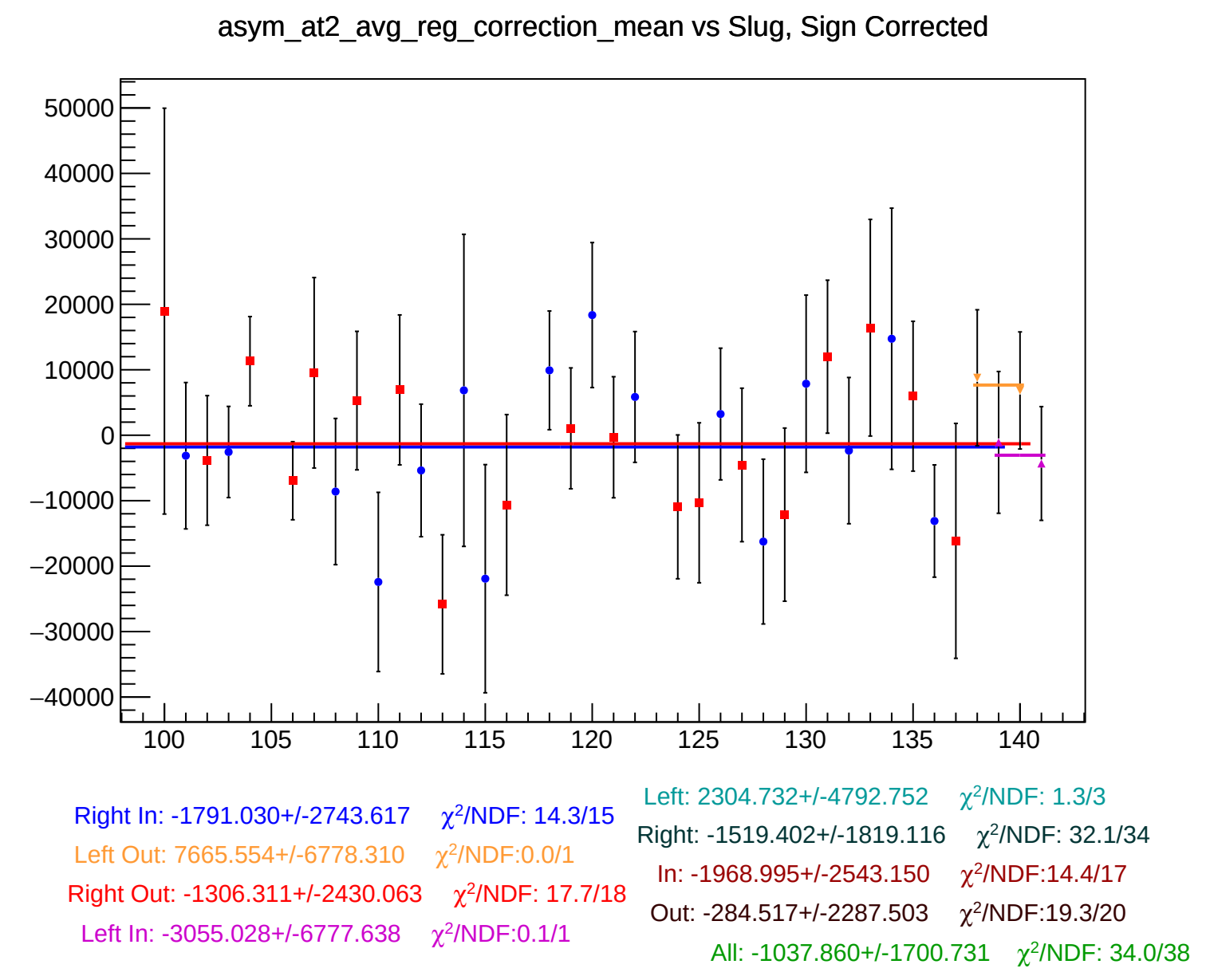
Left: 1943.049+/-0.750 χ^2/NDF: 1786.8/3

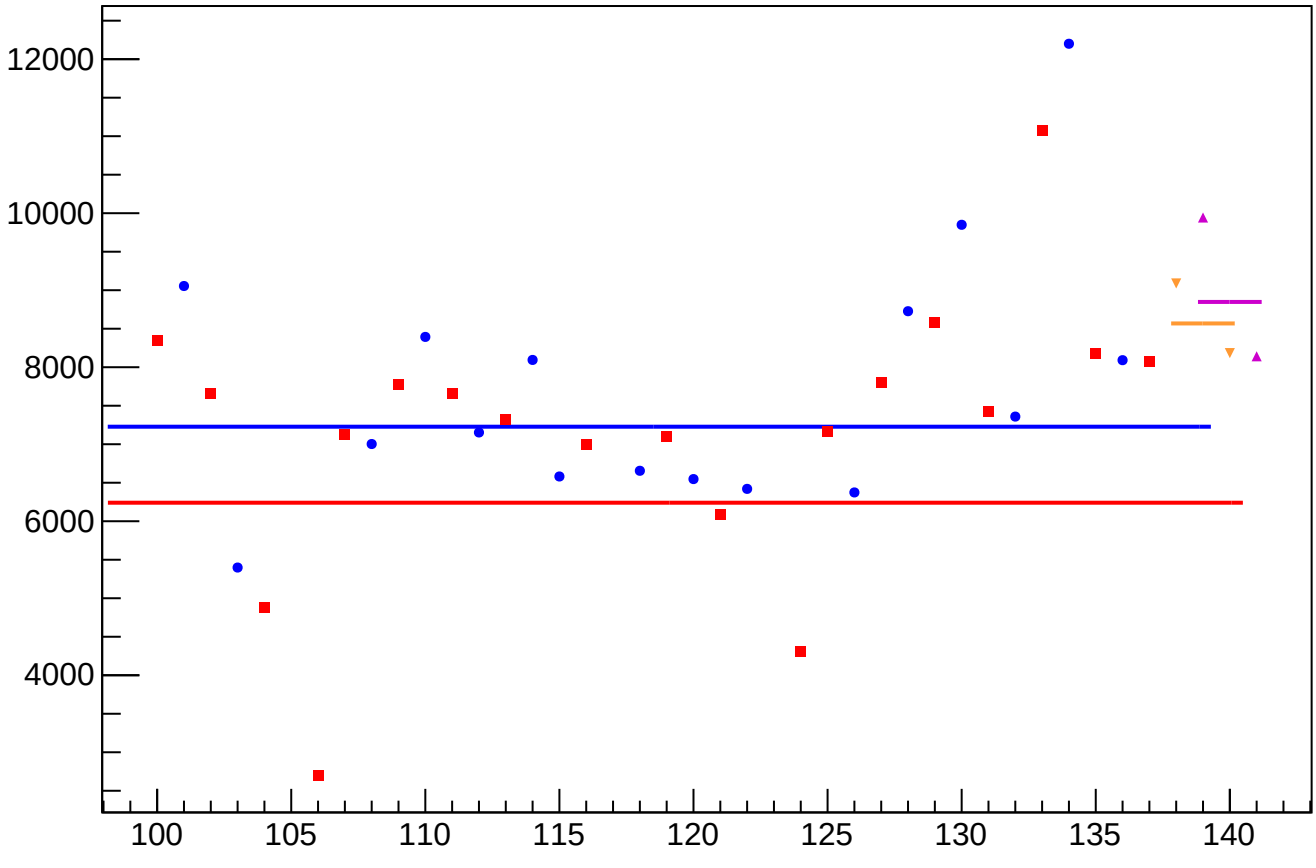
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1705.445+/-0.409 χ^2/NDF:476143.3/17

Out: 1693.190+/-0.407 χ^2/NDF:496956.9/20

All: 1699.295+/-0.288 χ^2/NDF: 973551.7/38


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
Right In: -1791.030+/-2743.617 χ²/NDF: 14.3/15
Left Out: 7665.554+/-6778.310 χ²/NDF:0.0/1
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: -3055.028+/-6777.638 χ²/NDF:0.1/1
Left: 2304.732+/-4792.752 χ²/NDF: 1.3/3
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: -1968.995+/-2543.150 χ²/NDF:14.4/17
Out: -284.517+/-2287.503 χ²/NDF:19.3/20
All: -1037.860+/-1700.731 χ²/NDF: 34.0/38



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 8568.385+/-4.793 χ^2/NDF:8708.5/1

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8847.743+/-4.793 χ^2/NDF:33692.1/1

Left: 8708.078+/-3.389 χ^2/NDF: 44099.3/3

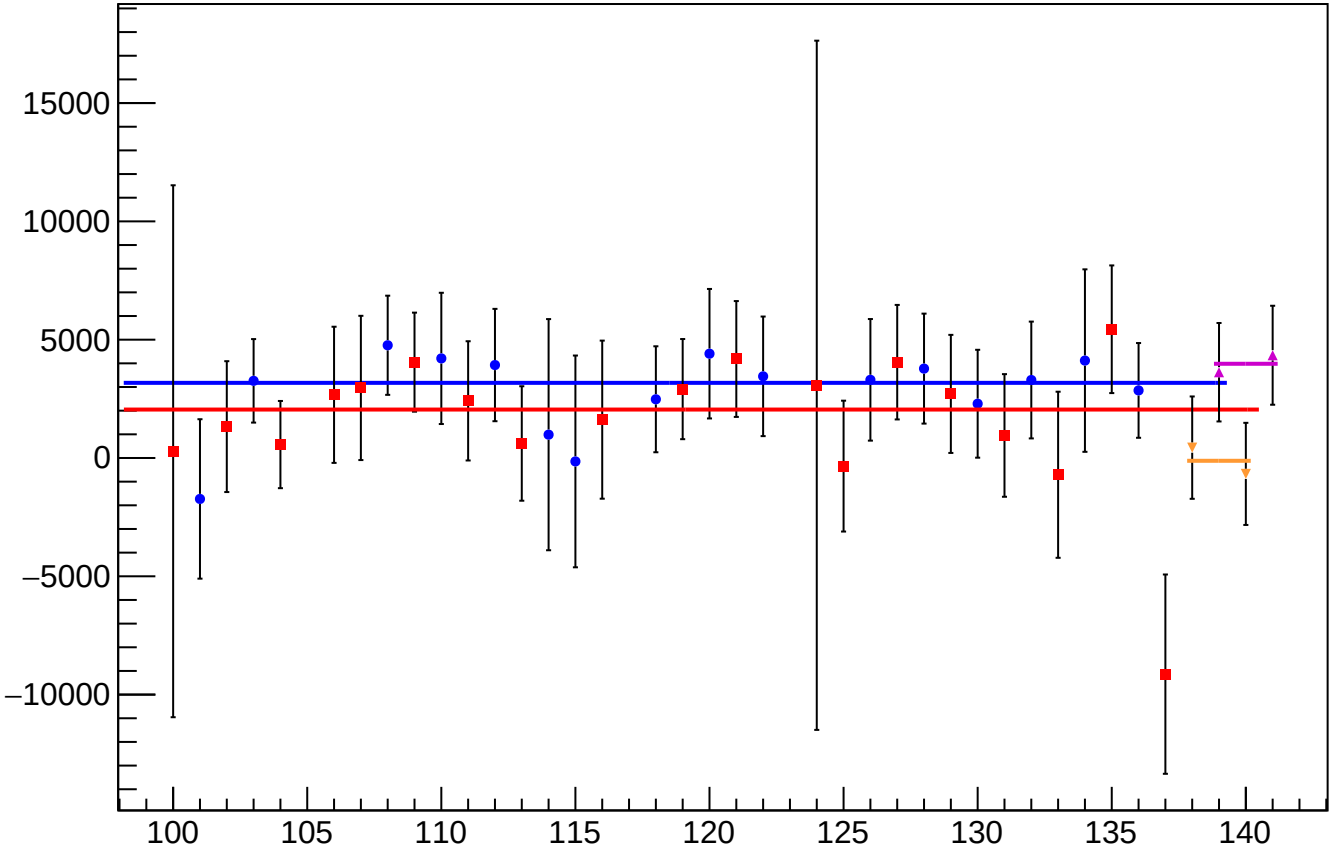
Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7455.700+/-1.798 χ^2/NDF:635146.3/17

Out: 6505.670+/-1.618 χ^2/NDF:1616800.8/20

All: 6930.548+/-1.203 χ^2/NDF: 2406226.4/38

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -118.698+/-1527.614 χ^2/NDF:0.1/1

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3981.542+/-1475.079 χ^2/NDF:0.1/1

Left: 2003.138+/-1061.125 χ^2/NDF: 3.9/3

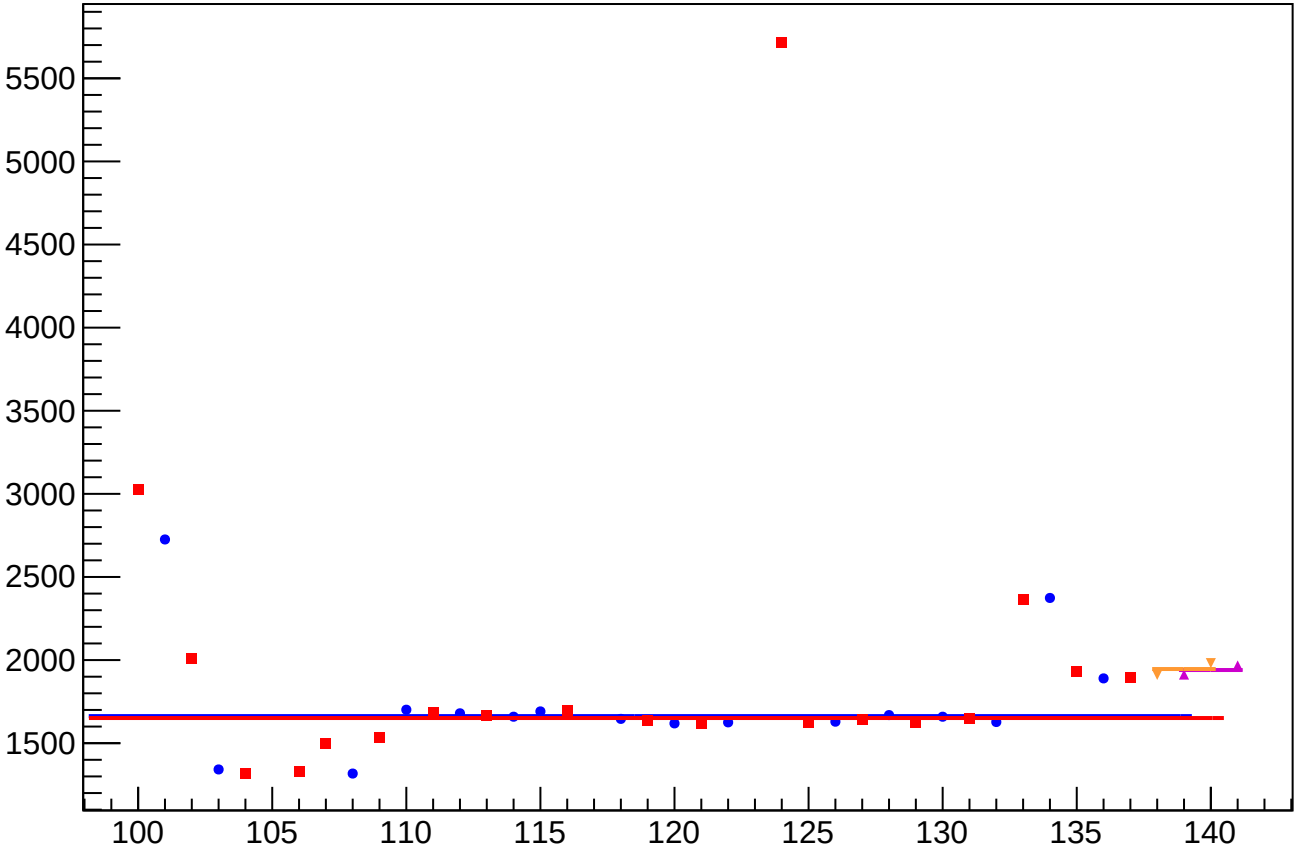
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3299.338+/-577.807 χ^2/NDF:4.6/17

Out: 1739.619+/-575.678 χ^2/NDF:15.9/20

All: 2516.599+/-407.817 χ^2/NDF: 24.2/38

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1946.135+/-1.080 χ^2/NDF:1080.6/1

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1940.171+/-1.043 χ^2/NDF:690.4/1

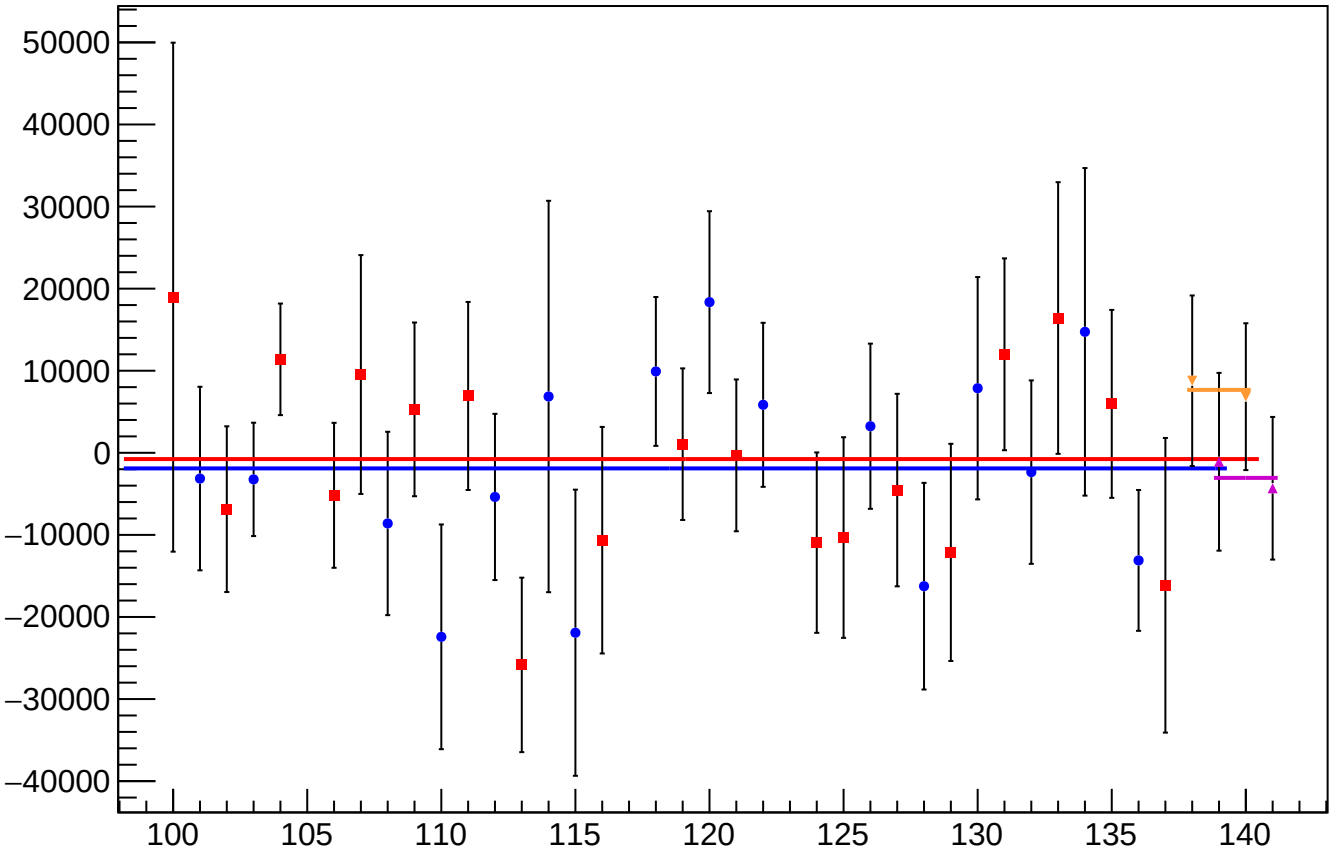
Left: 1943.049+/-0.750 χ^2/NDF: 1786.8/3

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1705.445+/-0.409 χ^2/NDF:476143.6/17

Out: 1693.189+/-0.407 χ^2/NDF:496957.0/20

All: 1699.295+/-0.288 χ^2/NDF: 973552.2/38



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 7665.707+/-6778.300 χ^2/NDF:0.0/1

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: -3055.098+/-6777.632 χ^2/NDF:0.1/1

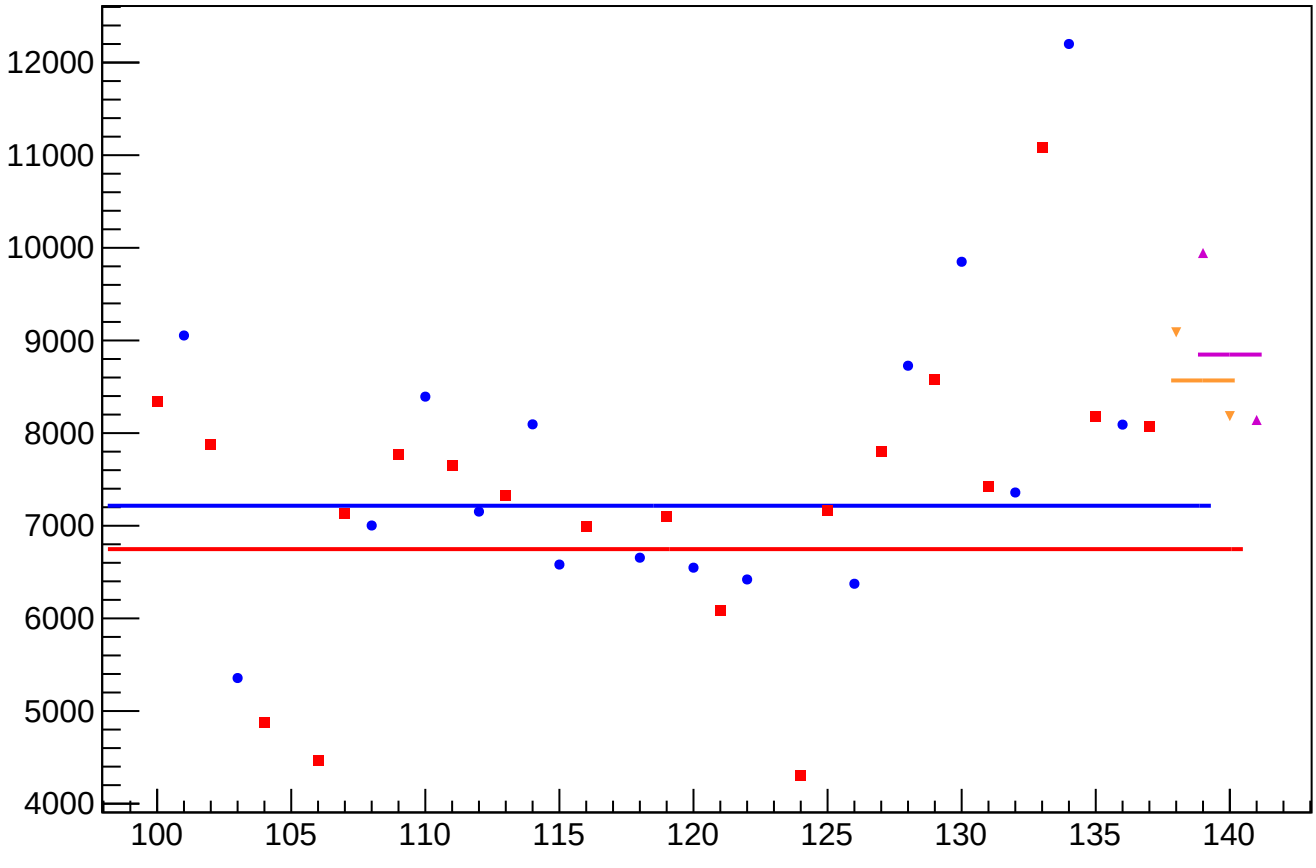
Left: 2304.776+/-4792.746 χ^2/NDF: 1.3/3

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -2062.367+/-2540.231 χ^2/NDF:14.4/17

Out: 282.380+/-2386.649 χ^2/NDF:18.7/20

All: -816.974+/-1739.378 χ^2/NDF: 33.5/38



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8568.370+/-4.793 χ^2/NDF:8708.8/1

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8847.734+/-4.793 χ^2/NDF:33692.3/1

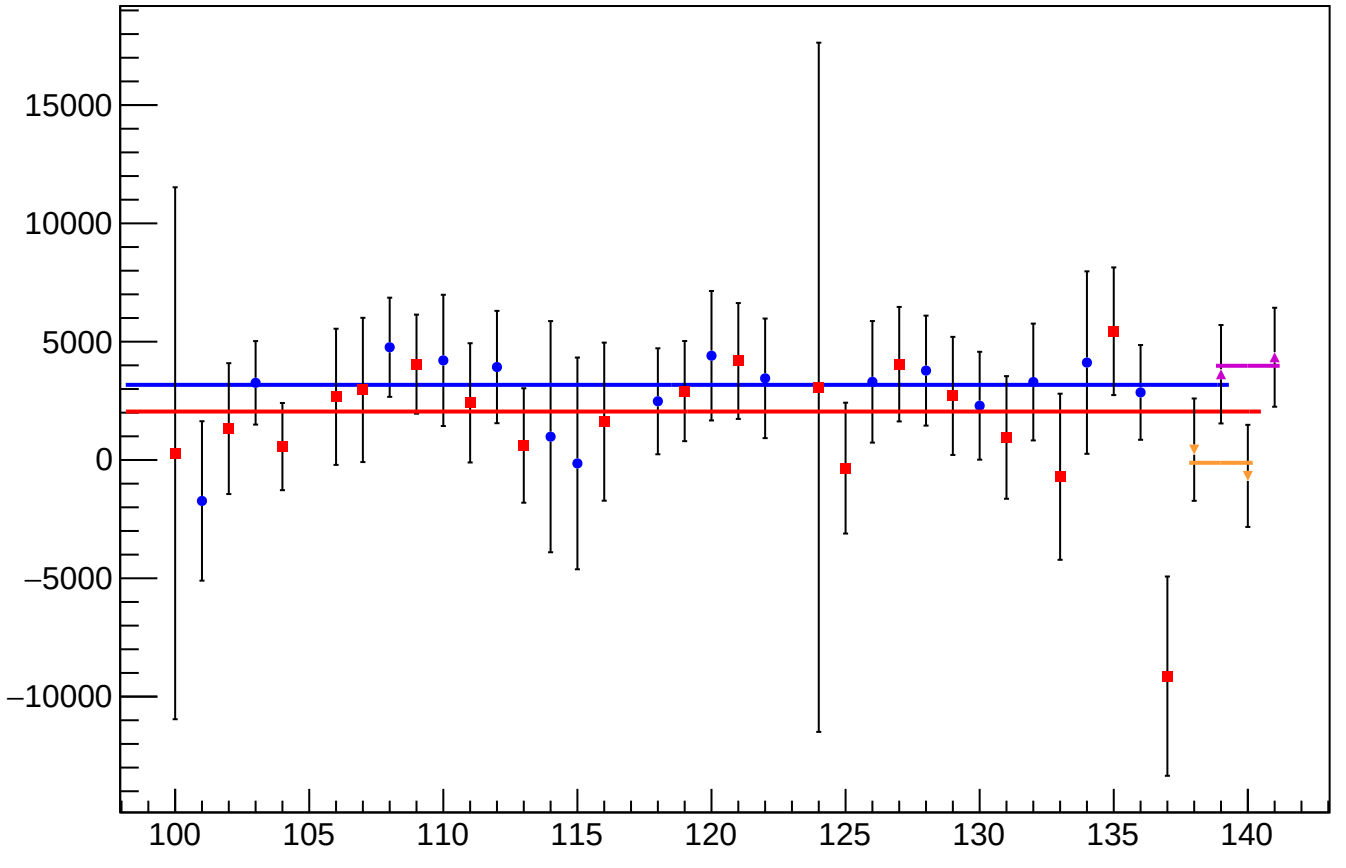
Left: 8708.066+/-3.389 χ^2/NDF: 44099.8/3

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7445.239+/-1.796 χ^2/NDF:645454.8/17

Out: 6973.450+/-1.688 χ^2/NDF:843902.9/20

All: 7194.652+/-1.230 χ^2/NDF: 1526000.5/38



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -118.698+/-1527.614 χ^2/NDF:0.1/1

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3981.542+/-1475.079 χ^2/NDF:0.1/1

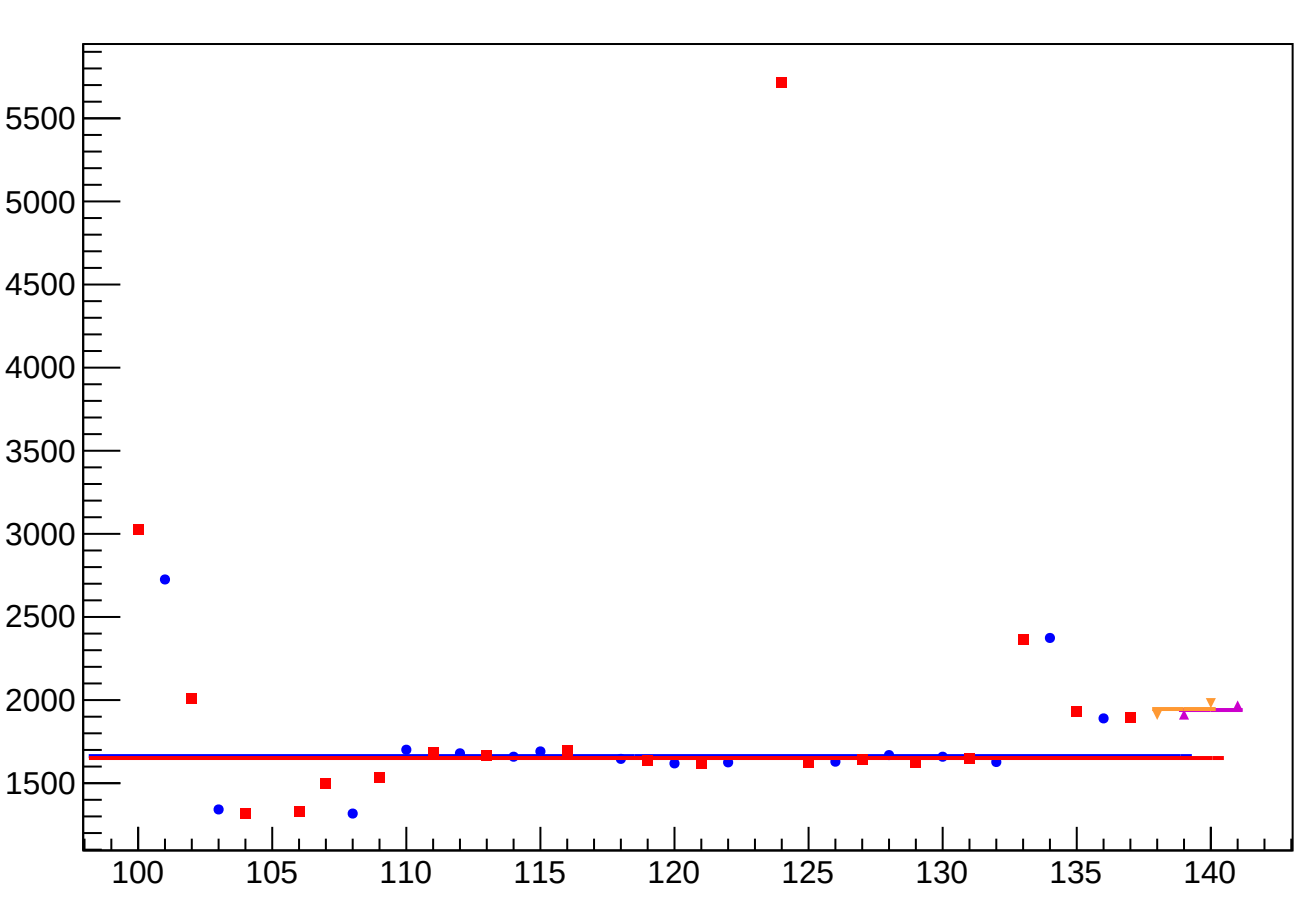
Left: 2003.138+/-1061.125 χ^2/NDF: 3.9/3

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3299.338+/-577.807 χ^2/NDF:4.6/17

Out: 1739.619+/-575.678 χ^2/NDF:15.9/20

All: 2516.599+/-407.817 χ^2/NDF: 24.2/38



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1946.135+/-1.080 χ^2/NDF:1080.6/1

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1940.171+/-1.043 χ^2/NDF:690.4/1

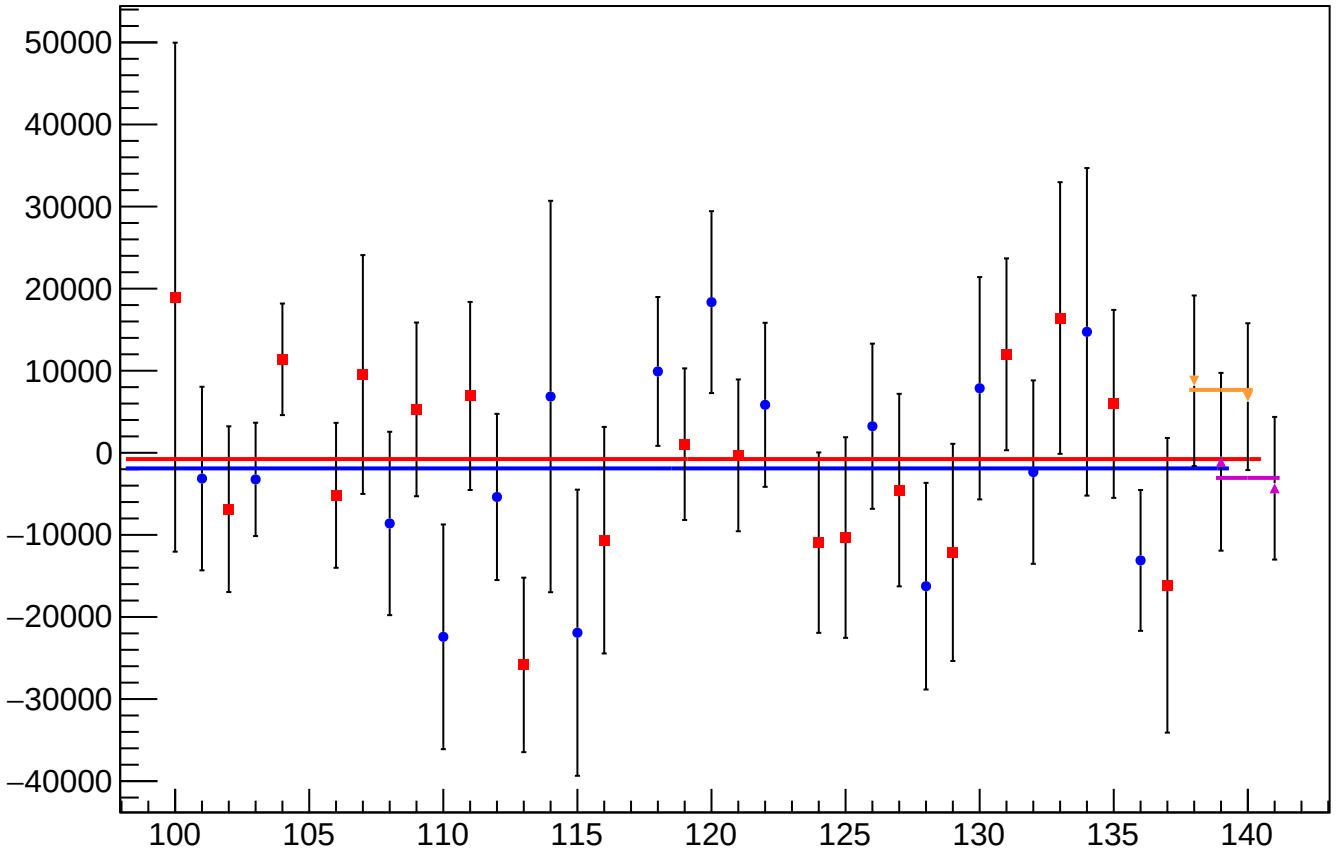
Left: 1943.049+/-0.750 χ^2/NDF: 1786.8/3

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1705.445+/-0.409 χ^2/NDF:476143.6/17

Out: 1693.189+/-0.407 χ^2/NDF:496957.0/20

All: 1699.295+/-0.288 χ^2/NDF: 973552.2/38



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 7665.707+/-6778.300 χ^2/NDF:0.0/1

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: -3055.098+/-6777.632 χ^2/NDF:0.1/1

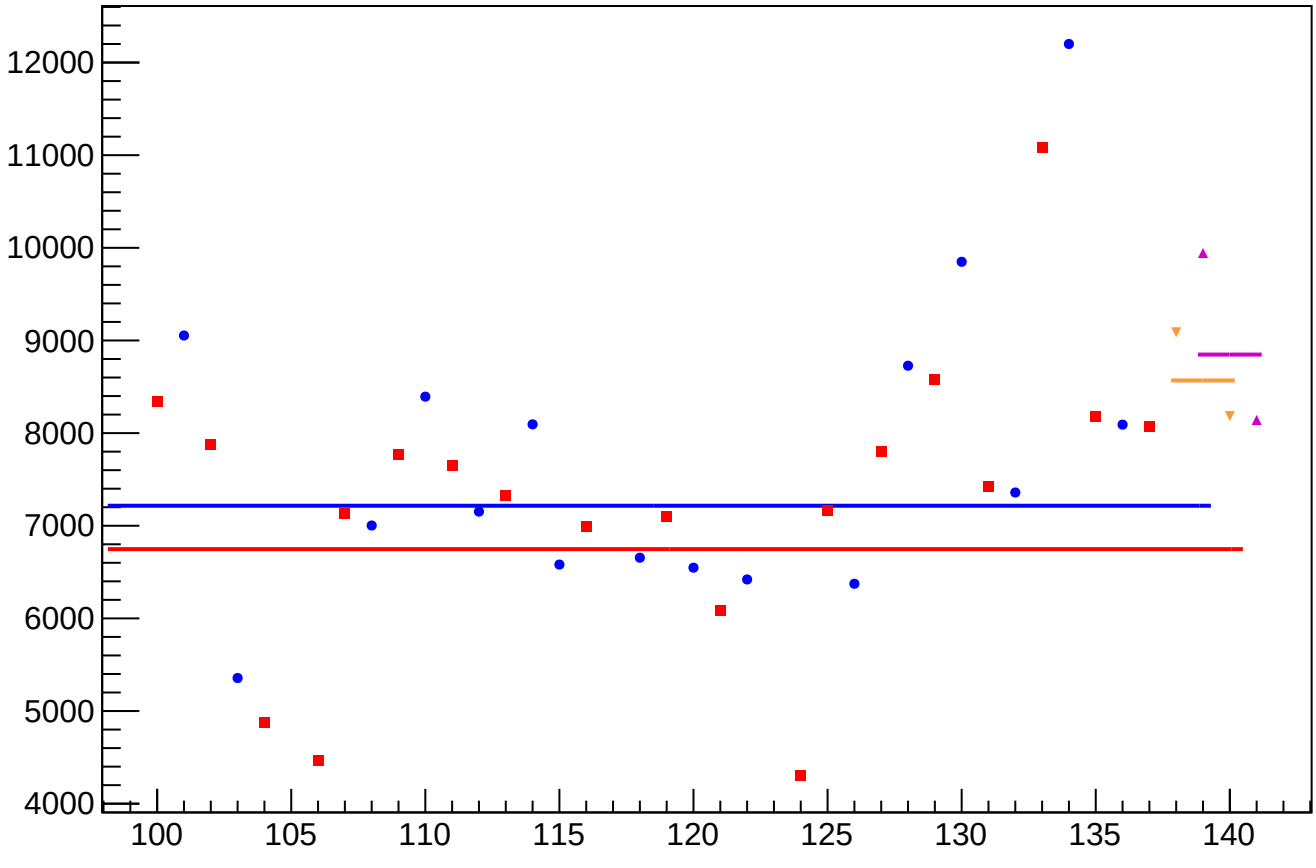
Left: 2304.776+/-4792.746 χ^2/NDF: 1.3/3

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -2062.367+/-2540.231 χ^2/NDF:14.4/17

Out: 282.380+/-2386.649 χ^2/NDF:18.7/20

All: -816.974+/-1739.378 χ^2/NDF: 33.5/38



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8568.370+/-4.793 χ^2/NDF:8708.8/1

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8847.734+/-4.793 χ^2/NDF:33692.3/1

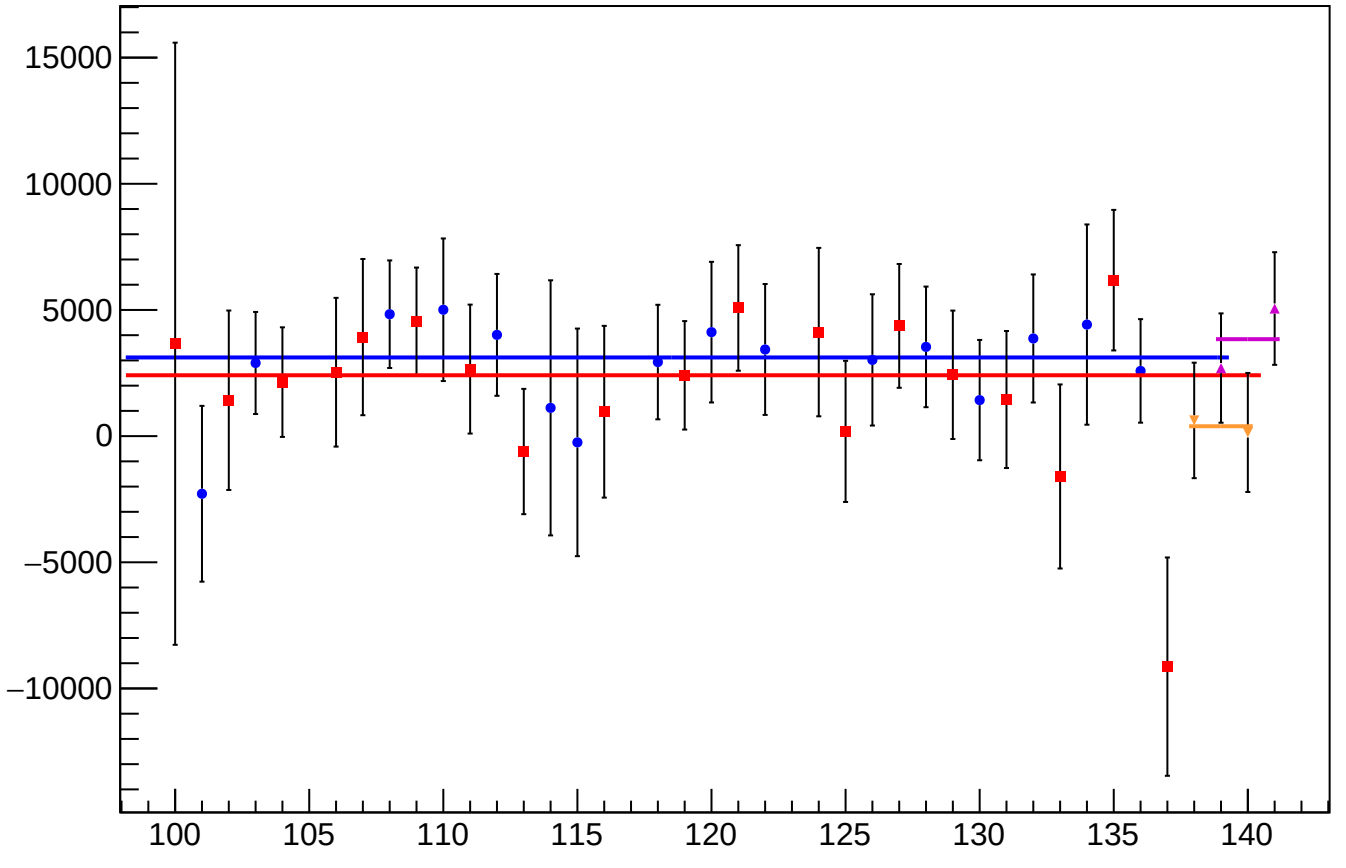
Left: 8708.066+/-3.389 χ^2/NDF: 44099.8/3

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7445.239+/-1.796 χ^2/NDF:645454.8/17

Out: 6973.450+/-1.688 χ^2/NDF:843902.9/20

All: 7194.652+/-1.230 χ^2/NDF: 1526000.5/38



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 390.970+/-1642.466 χ^2/NDF:0.0/1

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3842.124+/-1554.671 χ^2/NDF:0.6/1

Left: 2211.247+/-1129.081 χ^2/NDF: 2.9/3

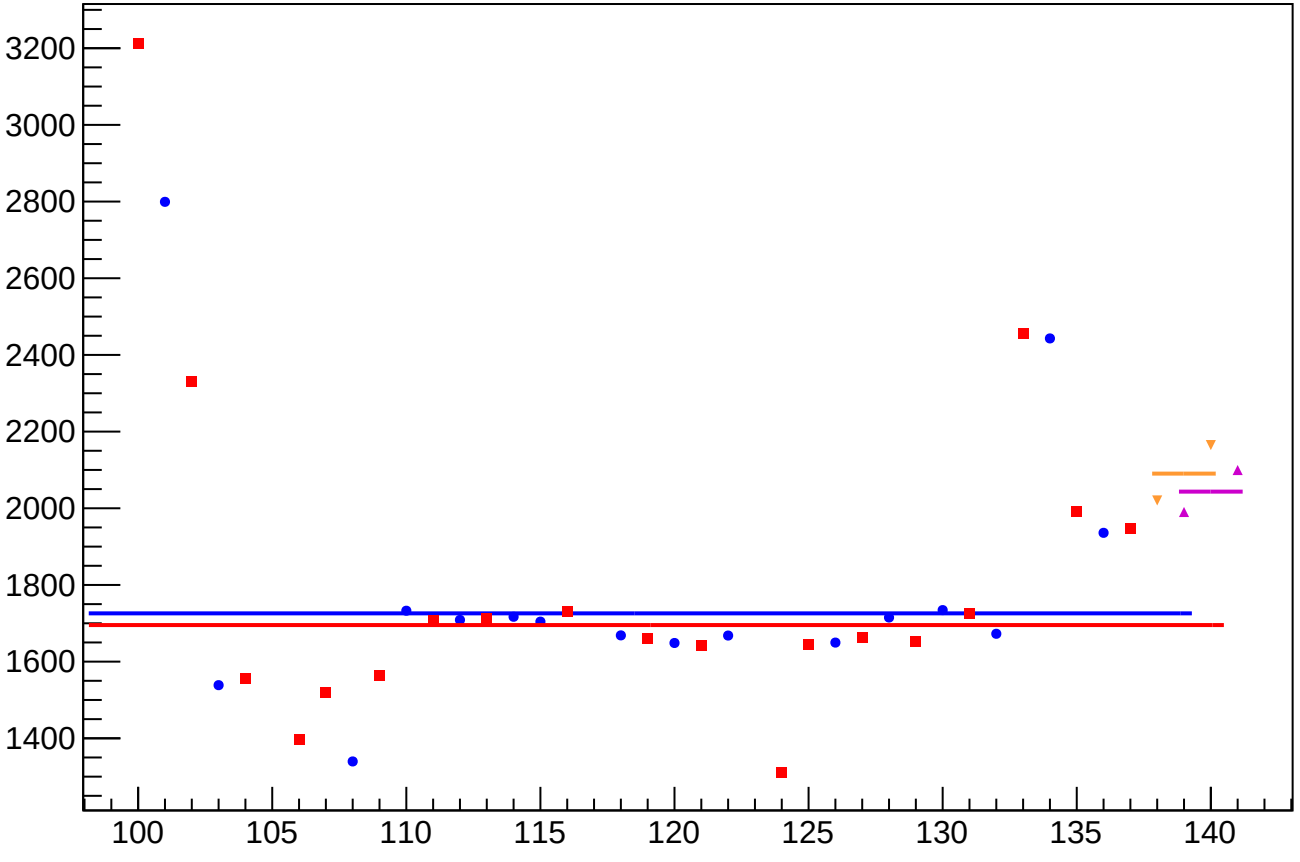
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3225.957+/-600.574 χ^2/NDF:6.1/17

Out: 2146.711+/-595.533 χ^2/NDF:17.3/20

All: 2681.786+/-422.876 χ^2/NDF: 25.0/38

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 2090.413+/-1.161 χ^2/NDF:3860.6/1

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 2043.421+/-1.099 χ^2/NDF:2475.6/1

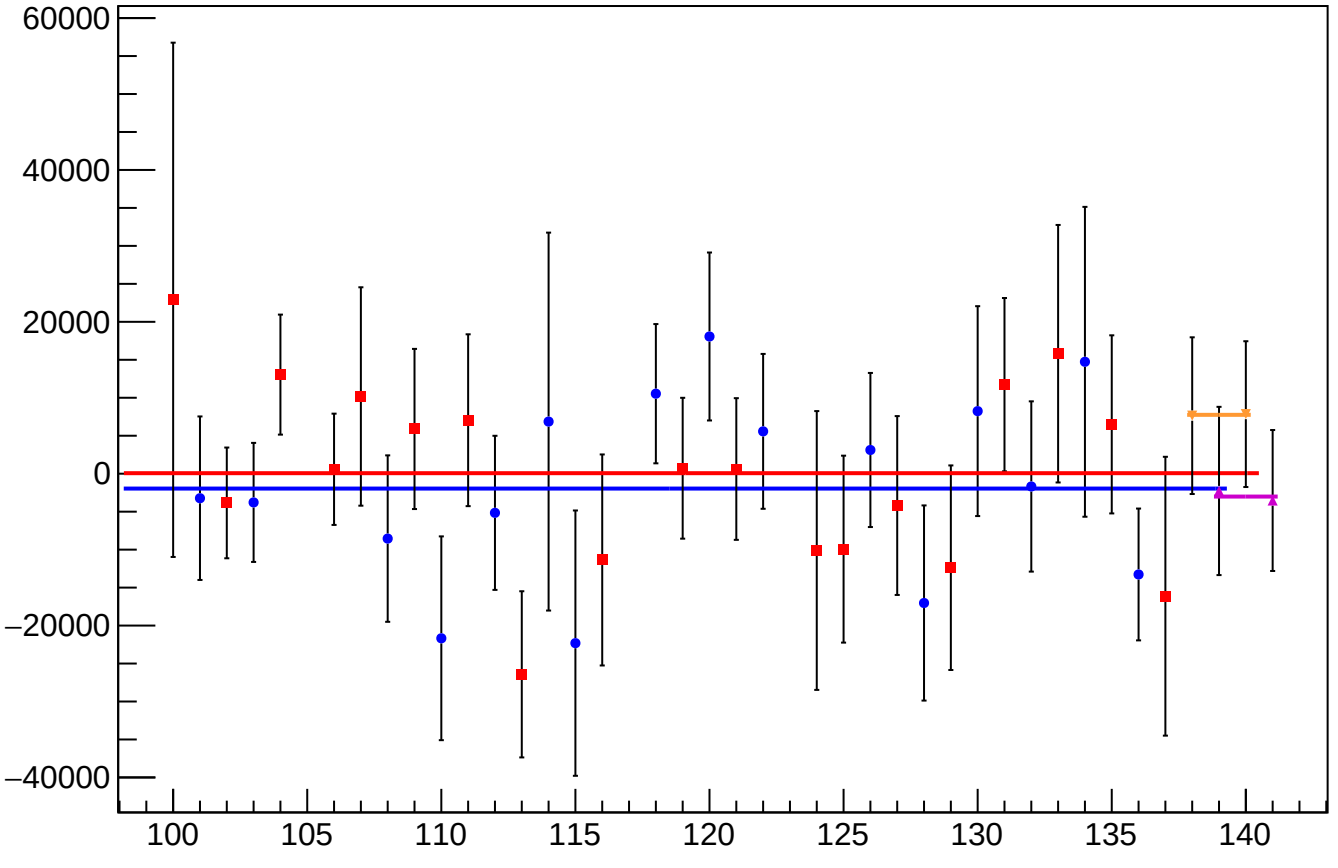
Left: 2065.628+/-0.798 χ^2/NDF: 7199.6/3

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1773.293+/-0.425 χ^2/NDF:439085.6/17

Out: 1747.287+/-0.421 χ^2/NDF:389971.2/20

All: 1760.176+/-0.299 χ^2/NDF: 830948.3/38



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 7751.036+/-7028.171 χ^2/NDF:0.0/1

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: -3011.596+/-7114.105 χ^2/NDF:0.0/1

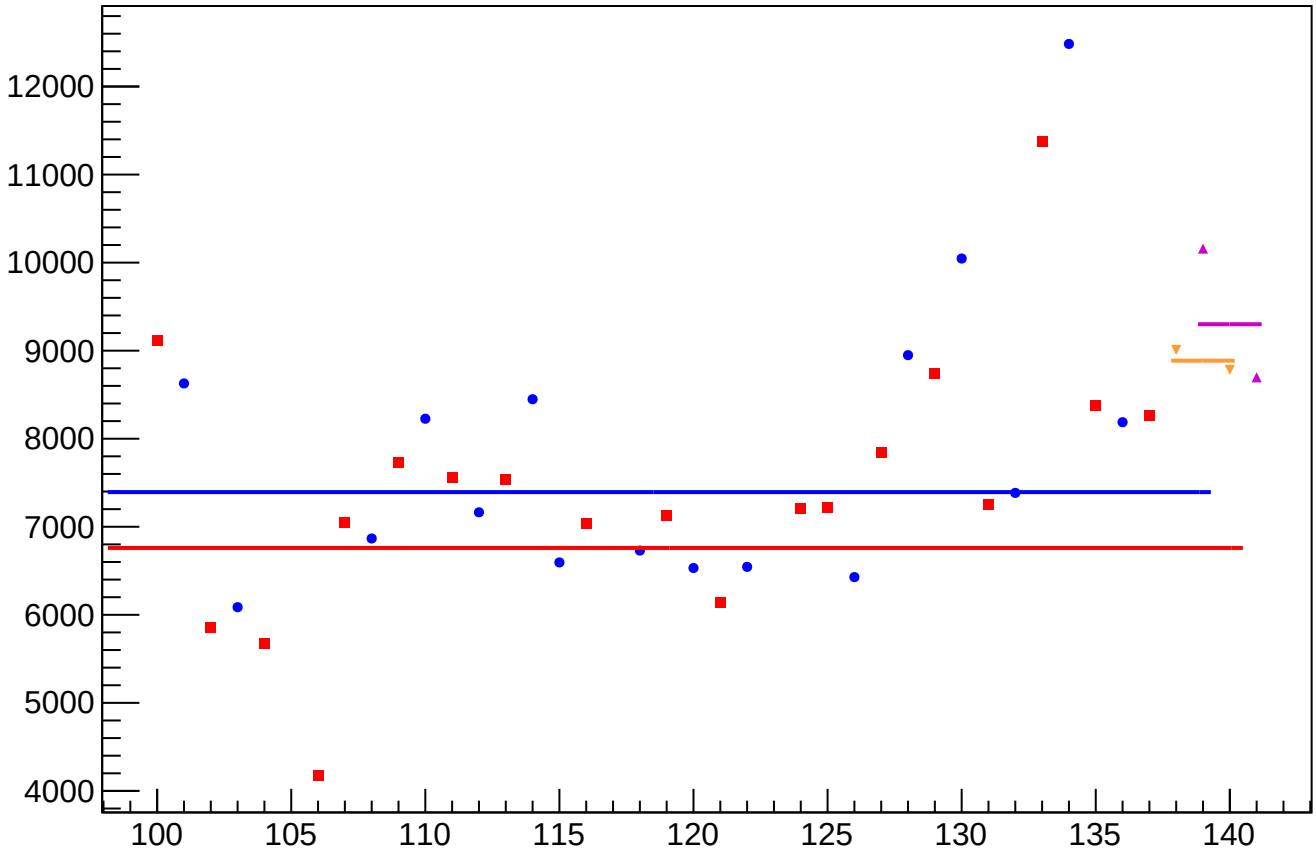
Left: 2435.116+/-4999.773 χ^2/NDF: 1.2/3

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -2099.656+/-2604.096 χ^2/NDF:14.4/17

Out: 949.241+/-2380.066 χ^2/NDF:17.2/20

All: -438.441+/-1756.833 χ^2/NDF: 32.3/38



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8886.468+/-4.970 χ^2/NDF:513.5/1

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9300.263+/-5.030 χ^2/NDF:20471.7/1

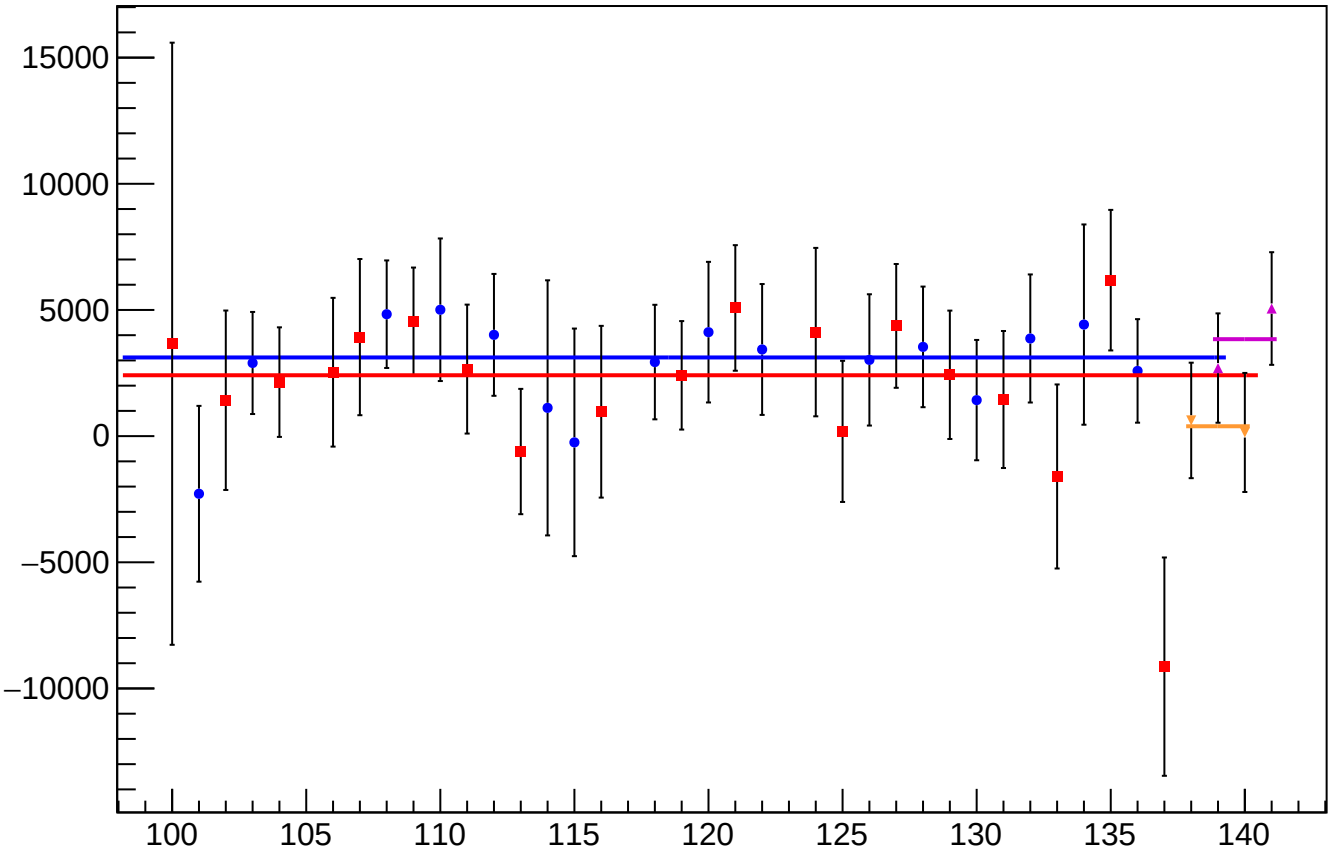
Left: 9090.851+/-3.535 χ^2/NDF: 24409.6/3

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7649.094+/-1.841 χ^2/NDF:546707.0/17

Out: 7003.360+/-1.683 χ^2/NDF:806984.0/20

All: 7297.261+/-1.242 χ^2/NDF: 1420695.9/38



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 390.974+/-1642.467 χ^2/NDF:0.0/1

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3842.099+/-1554.672 χ^2/NDF:0.6/1

Left: 2211.234+/-1129.082 χ^2/NDF: 2.9/3

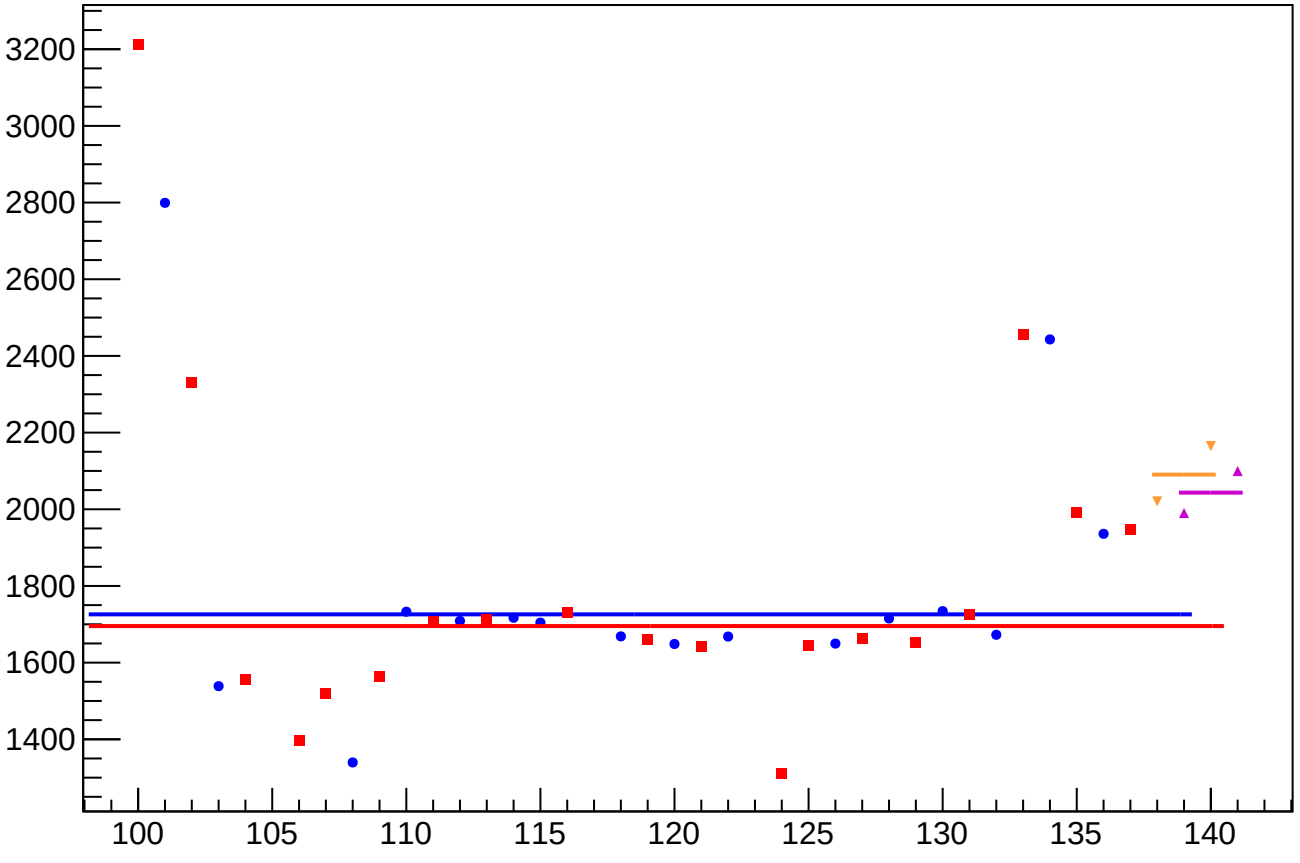
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3225.956+/-600.574 χ^2/NDF:6.1/17

Out: 2146.719+/-595.533 χ^2/NDF:17.3/20

All: 2681.790+/-422.876 χ^2/NDF: 25.0/38

eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 2090.415+/-1.161 χ^2/NDF:3860.6/1

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 2043.424+/-1.099 χ^2/NDF:2475.4/1

Left: 2065.630+/-0.798 χ^2/NDF: 7199.5/3

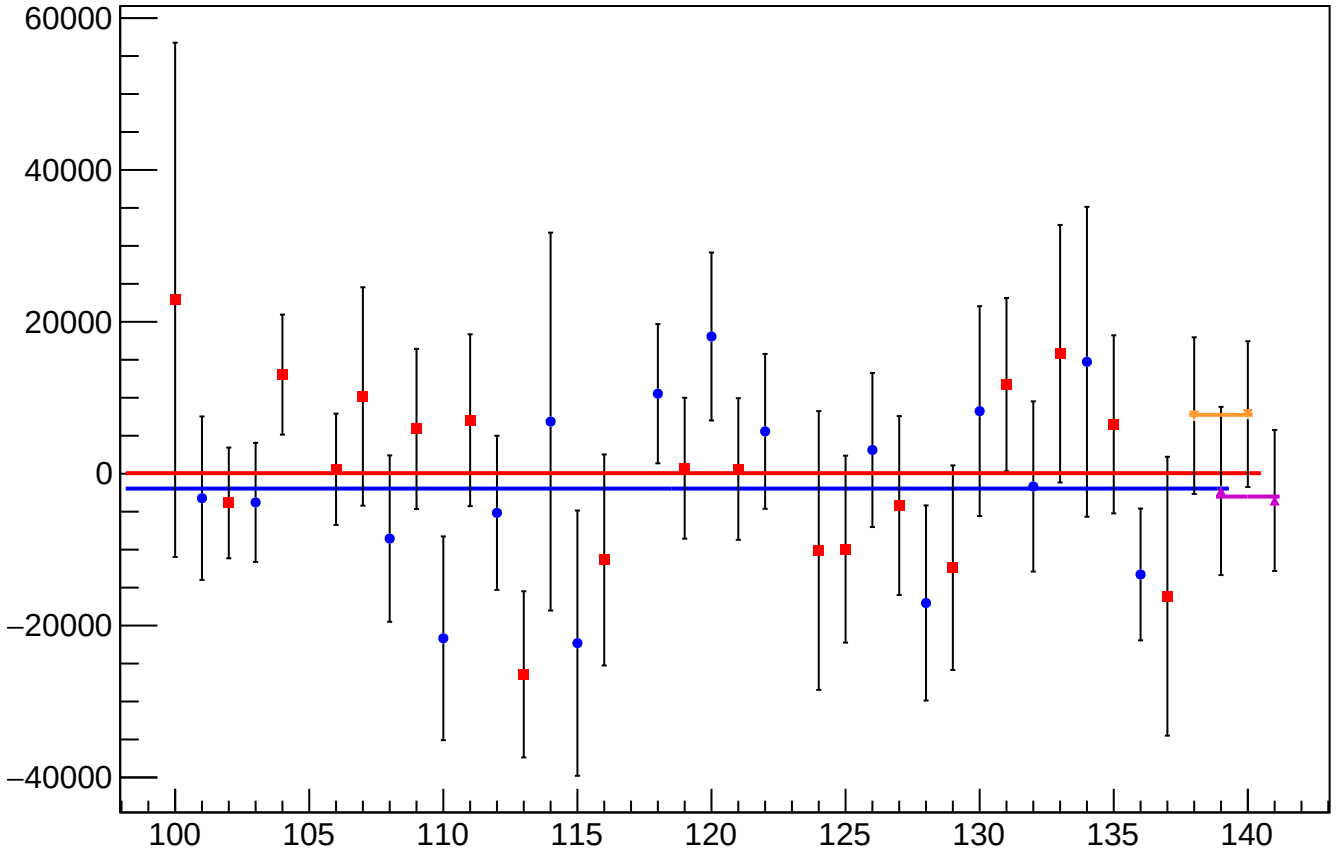
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1773.293+/-0.425 χ^2/NDF:439086.7/17

Out: 1747.287+/-0.421 χ^2/NDF:389972.2/20

All: 1760.176+/-0.299 χ^2/NDF: 830950.4/38

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 7751.039+/-7028.182 χ^2/NDF:0.0/1

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -3011.618+/-7114.116 χ^2/NDF:0.0/1

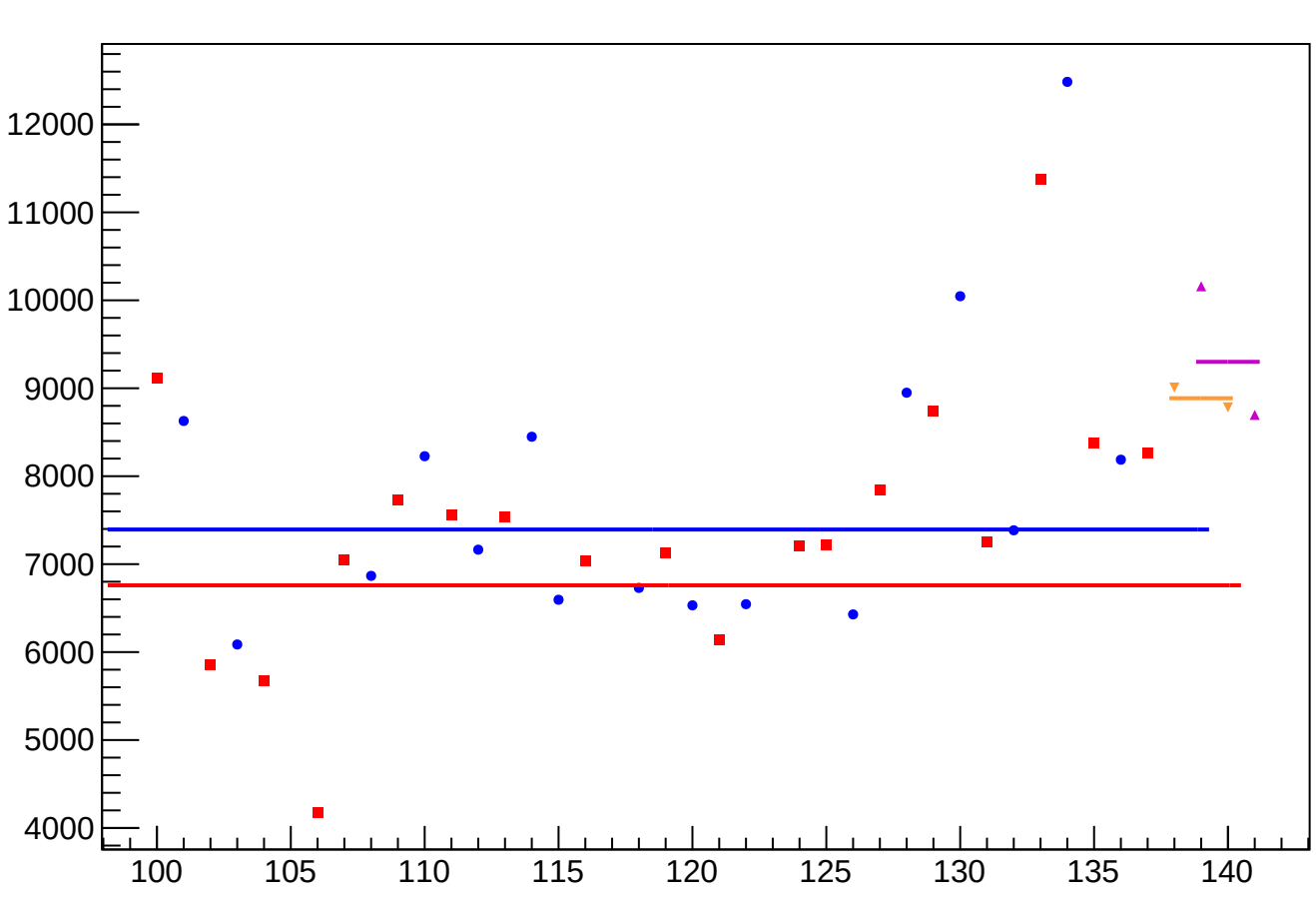
Left: 2435.106+/-4999.780 χ^2/NDF: 1.2/3

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -2099.640+/-2604.091 χ^2/NDF:14.4/17

Out: 949.241+/-2380.062 χ^2/NDF:17.2/20

All: -438.434+/-1756.830 χ^2/NDF: 32.3/38



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8886.482+/-4.970 χ^2/NDF:513.6/1

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9300.277+/-5.030 χ^2/NDF:20472.3/1

Left: 9090.865+/-3.535 χ^2/NDF: 24410.2/3

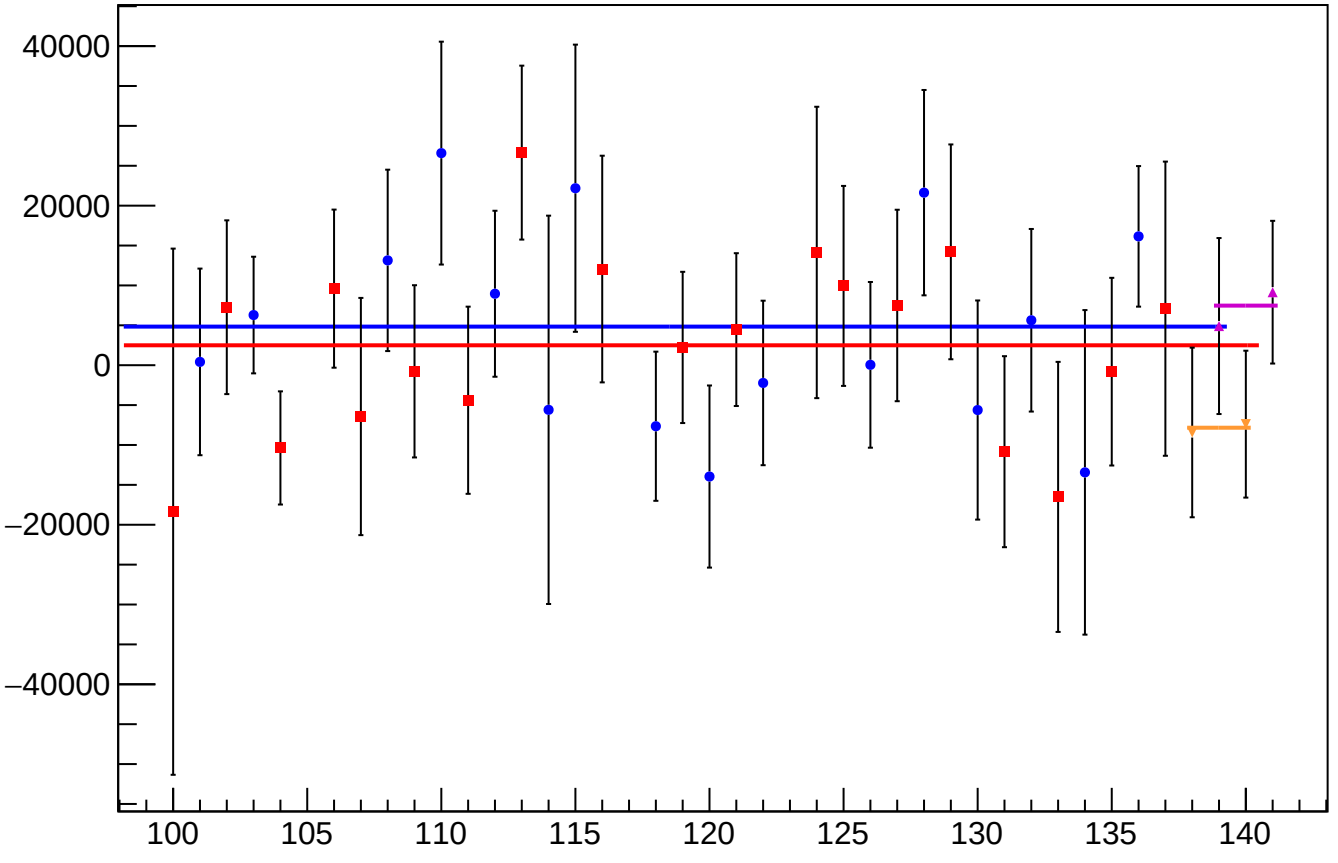
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7649.079+/-1.841 χ^2/NDF:546713.6/17

Out: 7003.347+/-1.683 χ^2/NDF:806986.9/20

All: 7297.247+/-1.242 χ^2/NDF: 1420705.1/38

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -7837.111+/-6959.340 χ^2/NDF:0.0/1

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 7468.997+/-6947.646 χ^2/NDF:0.1/1

Left: -171.187+/-4916.857 χ^2/NDF: 2.5/3

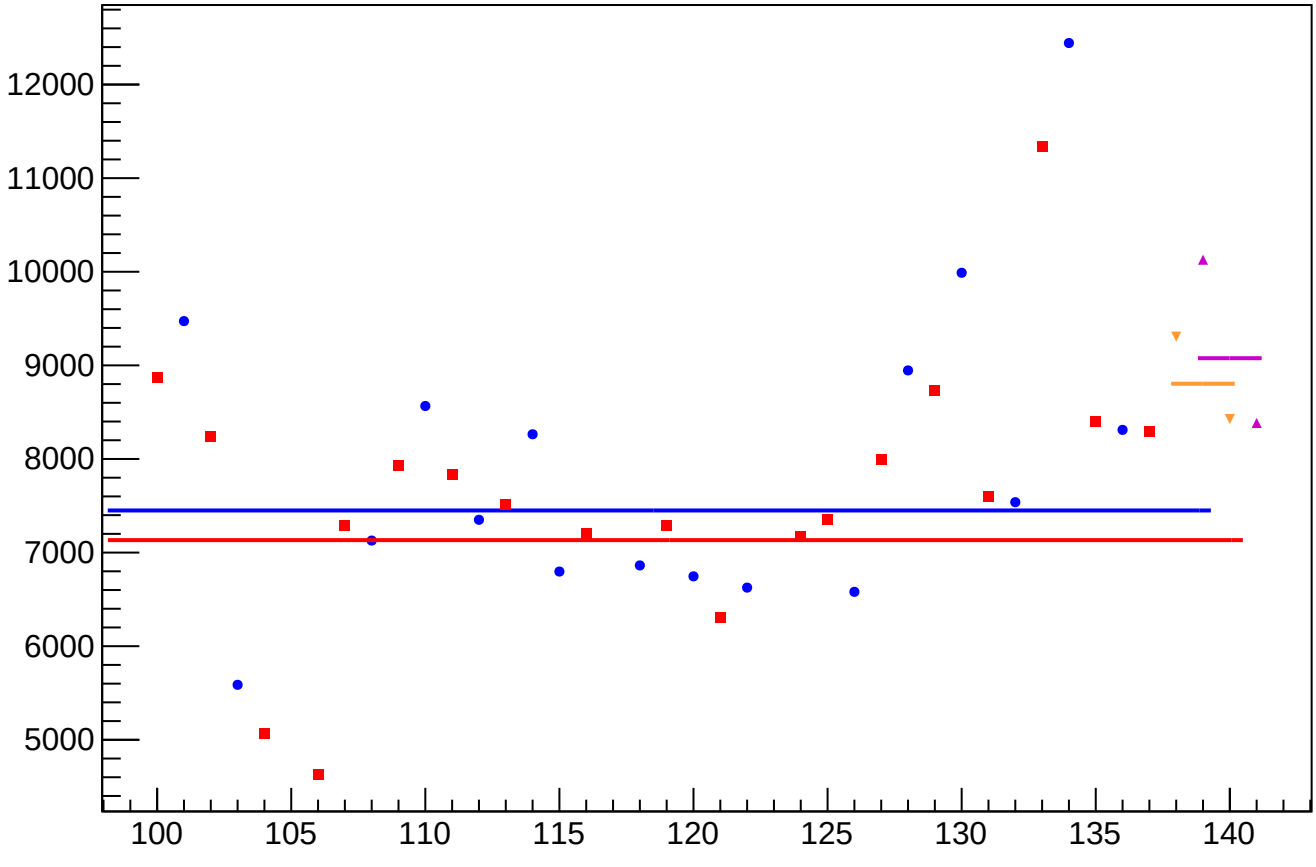
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 5212.012+/-2620.050 χ^2/NDF:14.5/17

Out: 1147.902+/-2513.572 χ^2/NDF:16.8/20

All: 3095.698+/-1813.839 χ^2/NDF: 32.6/38

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8803.804+/-4.921 χ^2/NDF:7830.5/1

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9076.745+/-4.913 χ^2/NDF:30154.2/1

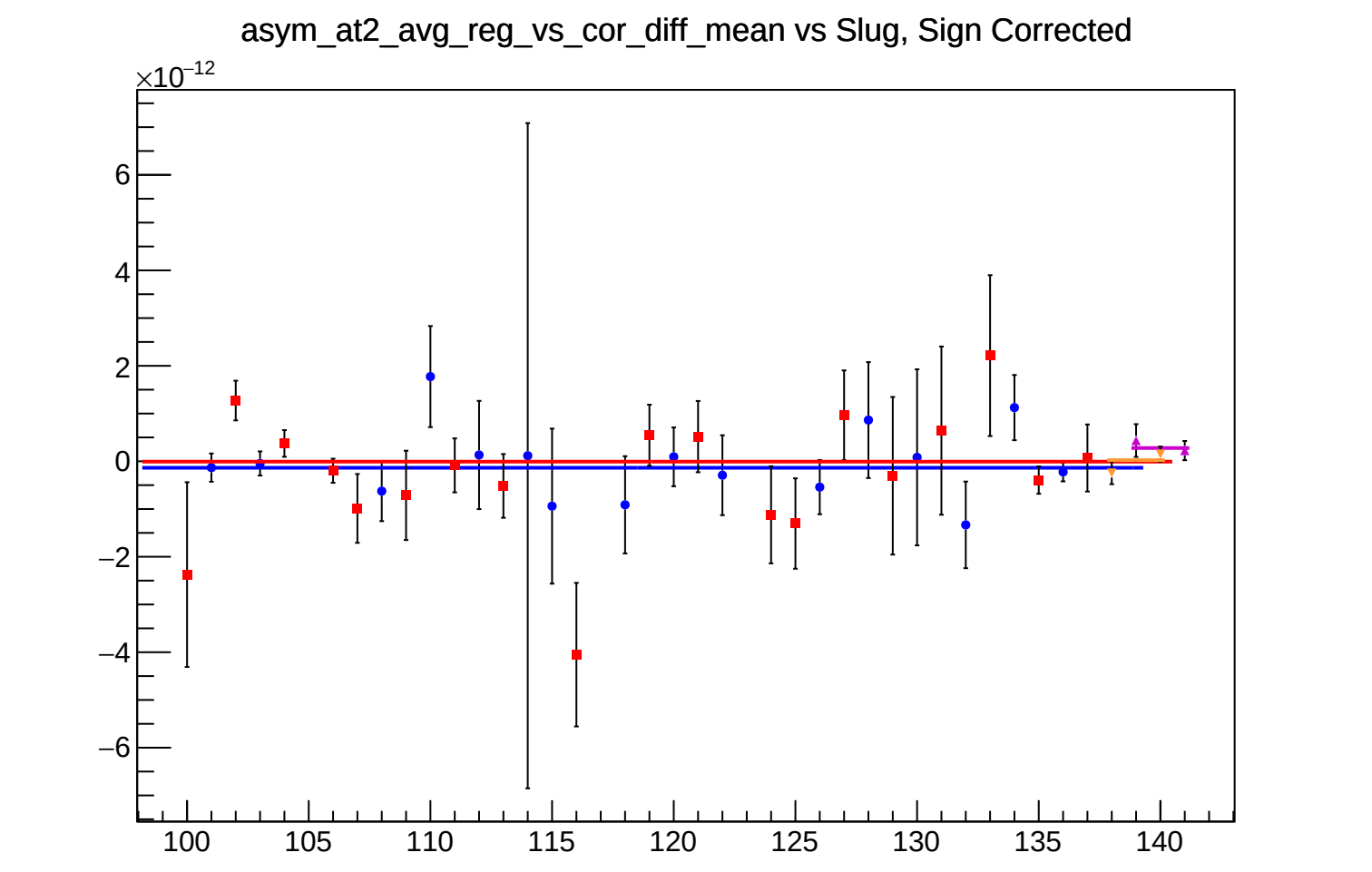
Left: 8940.504+/-3.477 χ^2/NDF: 39525.4/3

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7681.331+/-1.853 χ^2/NDF:610636.8/17

Out: 7351.031+/-1.777 χ^2/NDF:665051.2/20

All: 7509.324+/-1.283 χ^2/NDF: 1292240.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

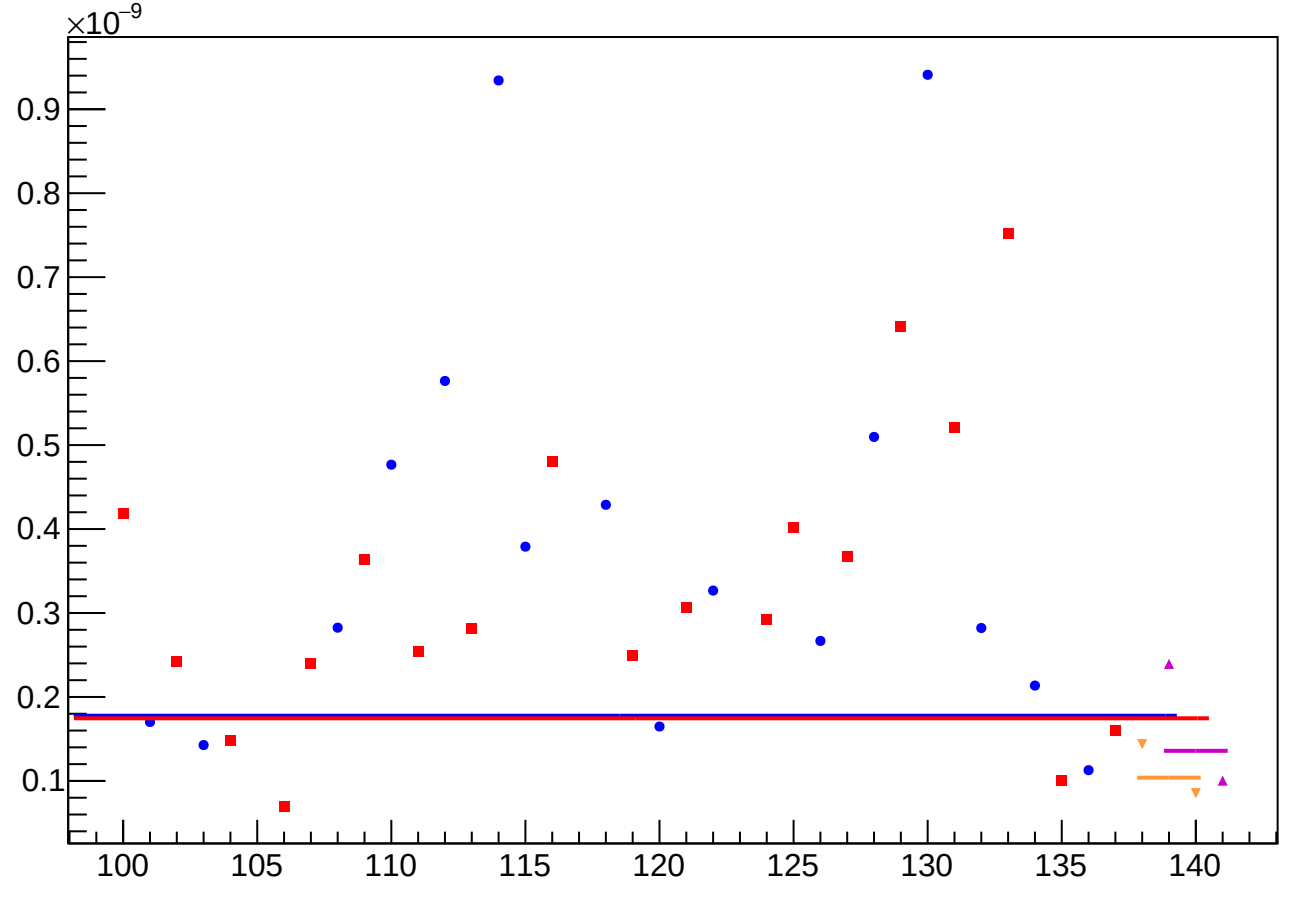
Left: 0.000+/-0.000 χ^2/NDF: 3.6/3

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:15.7/17

Out: 0.000+/-0.000 χ^2/NDF:34.7/20

All: 0.000+/-0.000 χ^2/NDF: 50.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:84878.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:244457.4/1

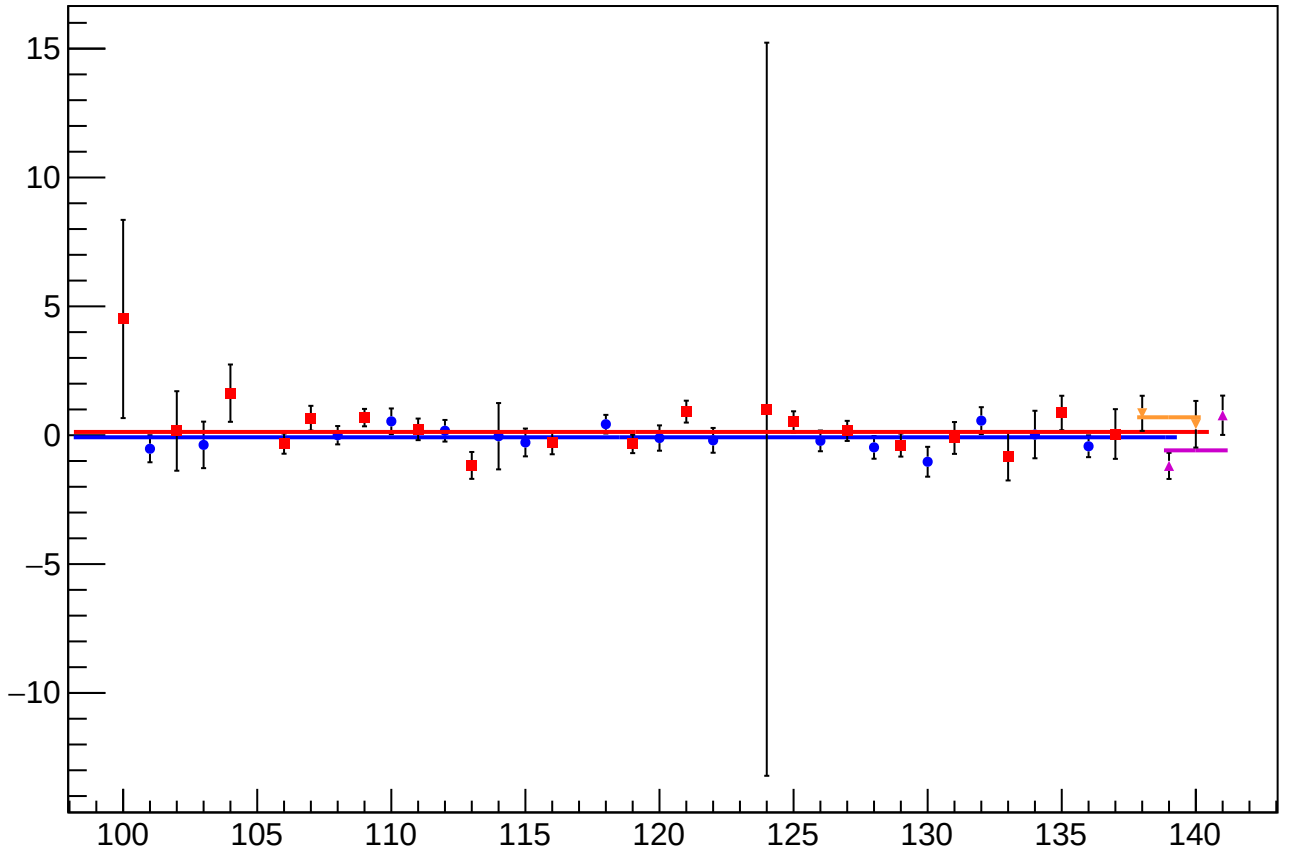
Left: 0.000+/-0.000 χ^2/NDF: 372460.4/3

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:1853153.1/17

Out: 0.000+/-0.000 χ^2/NDF:2033980.7/20

All: 0.000+/-0.000 χ^2/NDF: 3943952.3/38



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.696+/-0.544 χ^2/NDF:0.1/1

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.587+/-0.422 χ^2/NDF:4.6/1

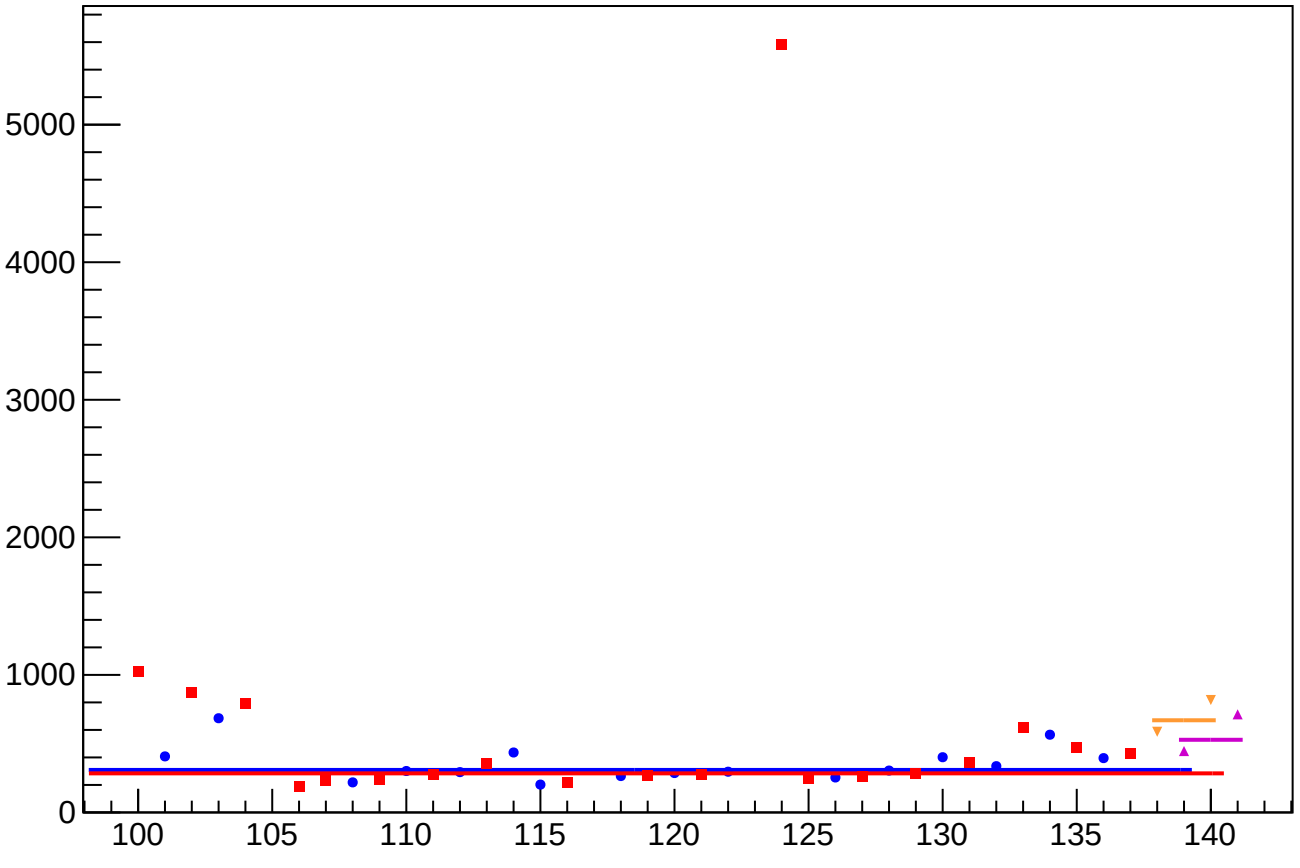
Left: -0.105+/-0.334 χ^2/NDF: 8.2/3

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.119+/-0.117 χ^2/NDF:16.7/17

Out: 0.153+/-0.114 χ^2/NDF:26.5/20

All: 0.020+/-0.082 χ^2/NDF: 45.9/38



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 670.145+/-0.385 χ^2/NDF:83065.3/1

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 528.296+/-0.299 χ^2/NDF:169923.7/1

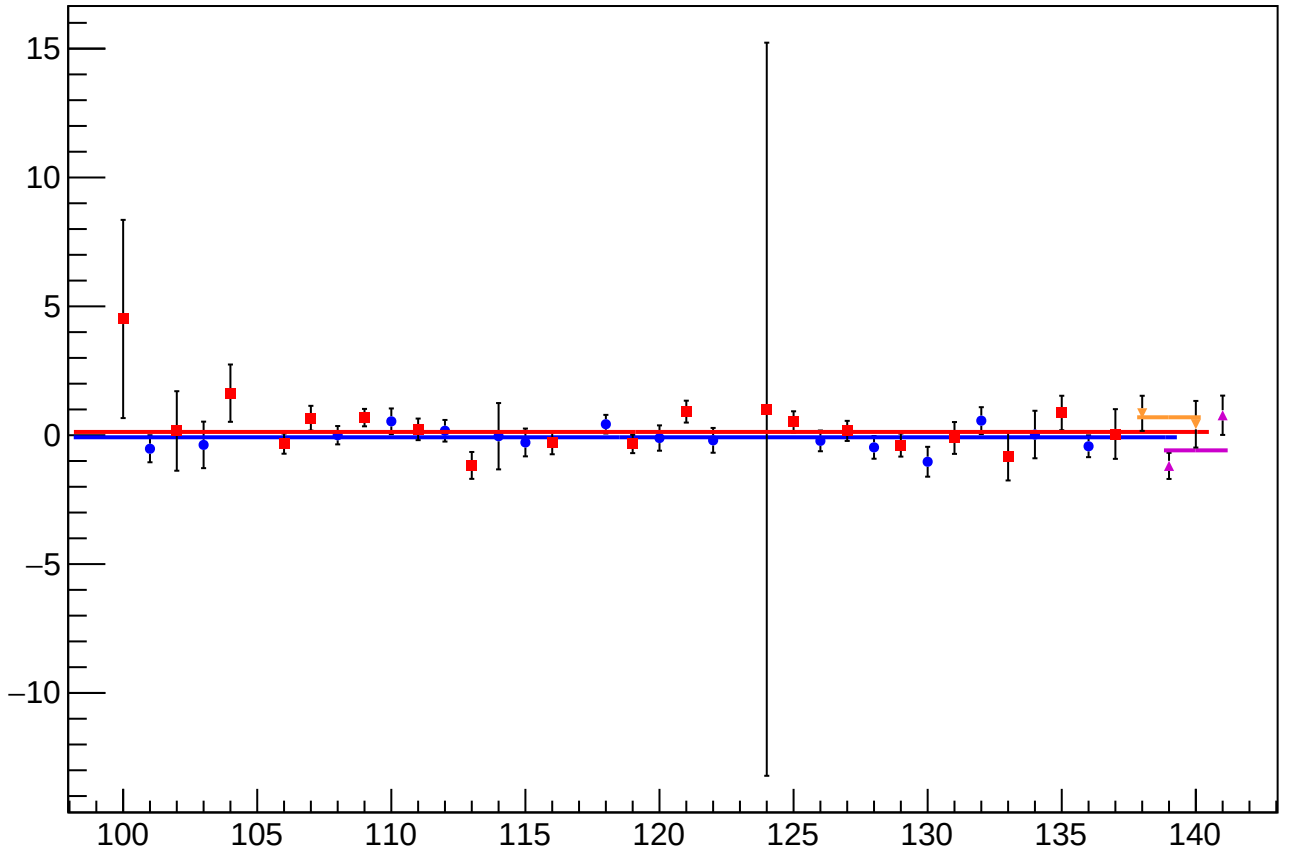
Left: 581.598+/-0.236 χ^2/NDF: 337796.5/3

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 325.947+/-0.083 χ^2/NDF:1682044.7/17

Out: 301.213+/-0.081 χ^2/NDF:2900949.4/20

All: 313.282+/-0.058 χ^2/NDF: 4628693.1/38



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.696+/-0.544 χ^2/NDF:0.1/1

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.587+/-0.422 χ^2/NDF:4.6/1

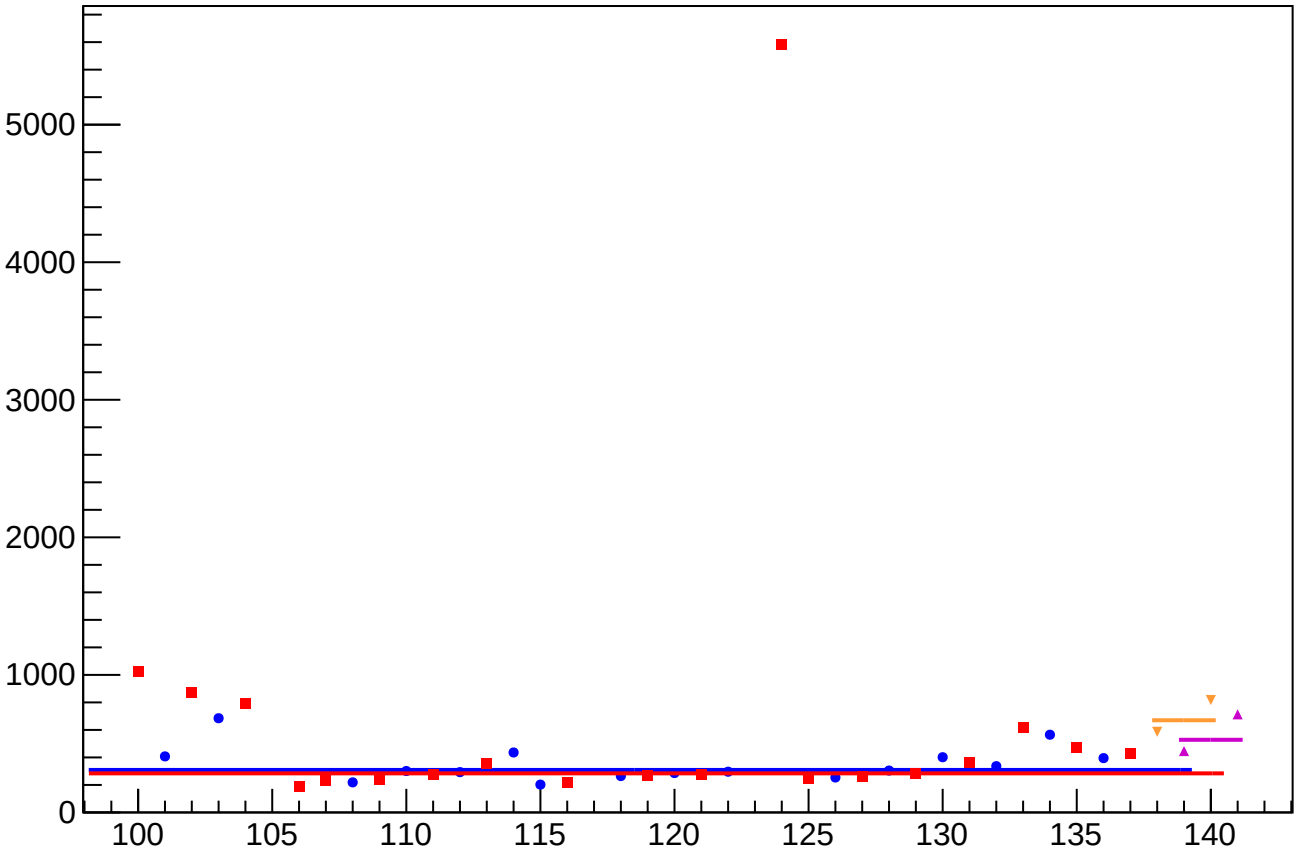
Left: -0.105+/-0.334 χ^2/NDF: 8.2/3

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.119+/-0.117 χ^2/NDF:16.7/17

Out: 0.153+/-0.114 χ^2/NDF:26.5/20

All: 0.020+/-0.082 χ^2/NDF: 45.9/38



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 670.145+/-0.385 χ^2/NDF:83065.3/1

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 528.296+/-0.299 χ^2/NDF:169923.7/1

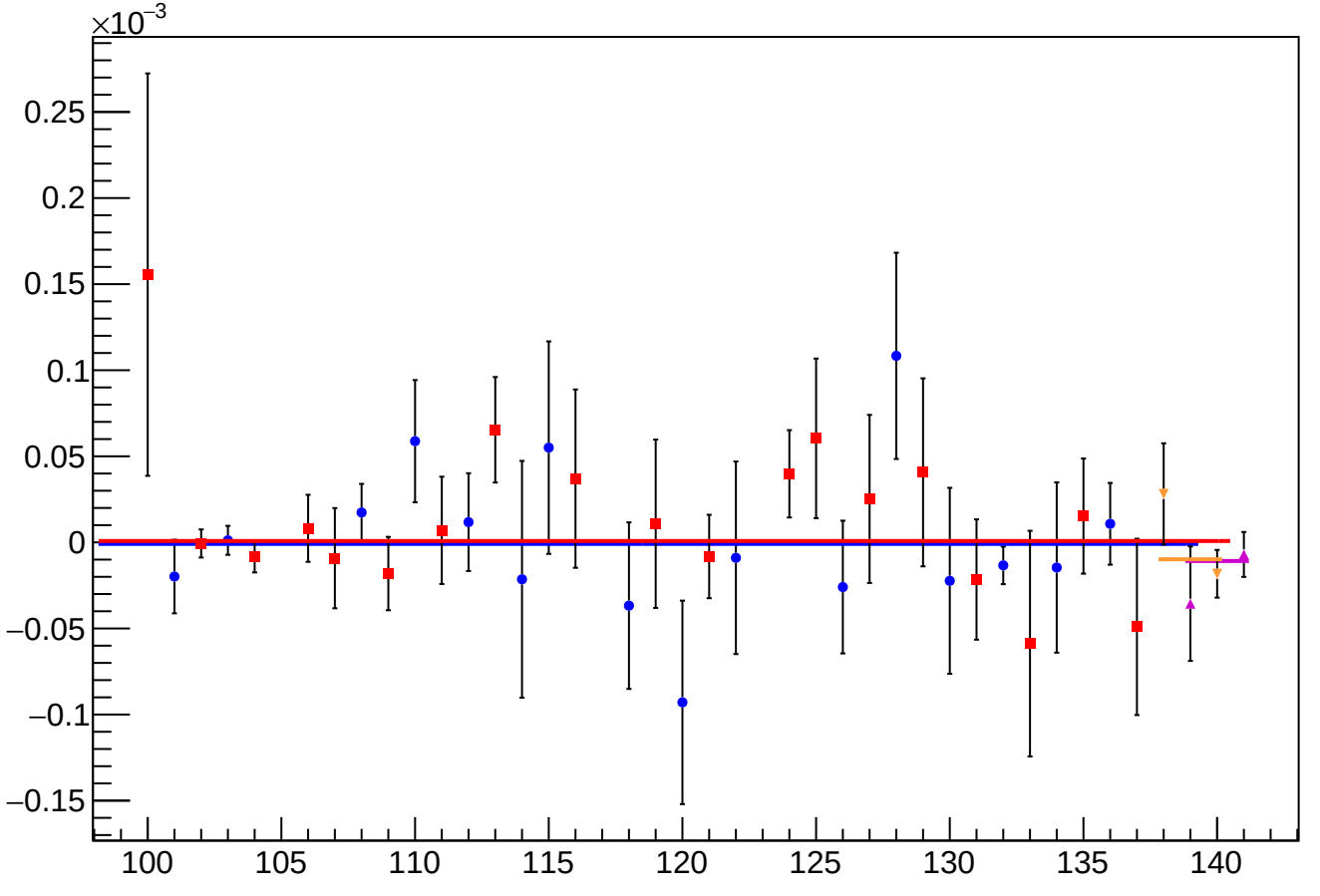
Left: 581.598+/-0.236 χ^2/NDF: 337796.5/3

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 325.947+/-0.083 χ^2/NDF:1682044.7/17

Out: 301.213+/-0.081 χ^2/NDF:2900949.4/20

All: 313.282+/-0.058 χ^2/NDF: 4628693.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/1

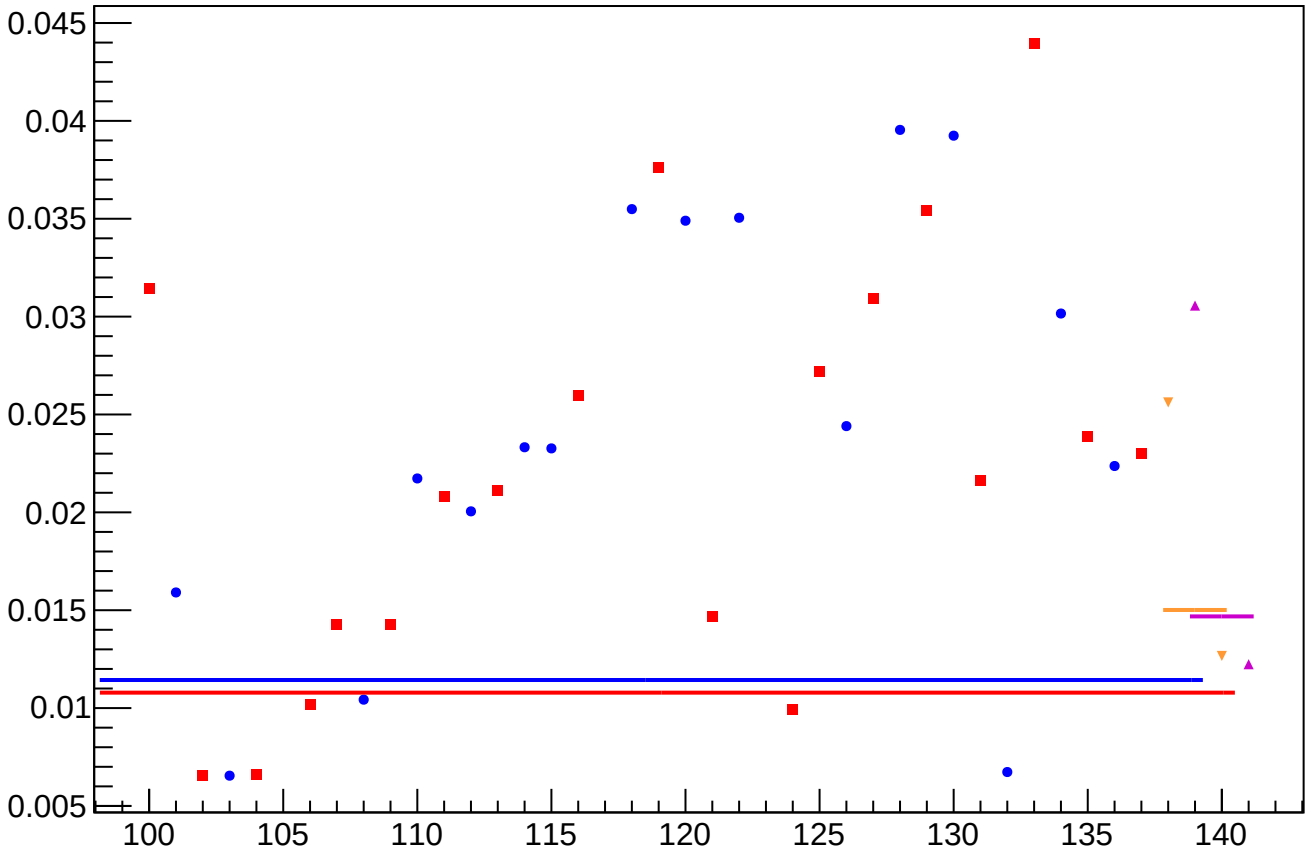
Left: -0.000+/-0.000 χ^2/NDF: 2.7/3

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:15.7/17

Out: -0.000+/-0.000 χ^2/NDF:18.8/20

All: -0.000+/-0.000 χ^2/NDF: 34.6/38



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:317570.8/1

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.015+/-0.000 χ^2/NDF:526056.1/1

Left: 0.015+/-0.000 χ^2/NDF: 844336.3/3

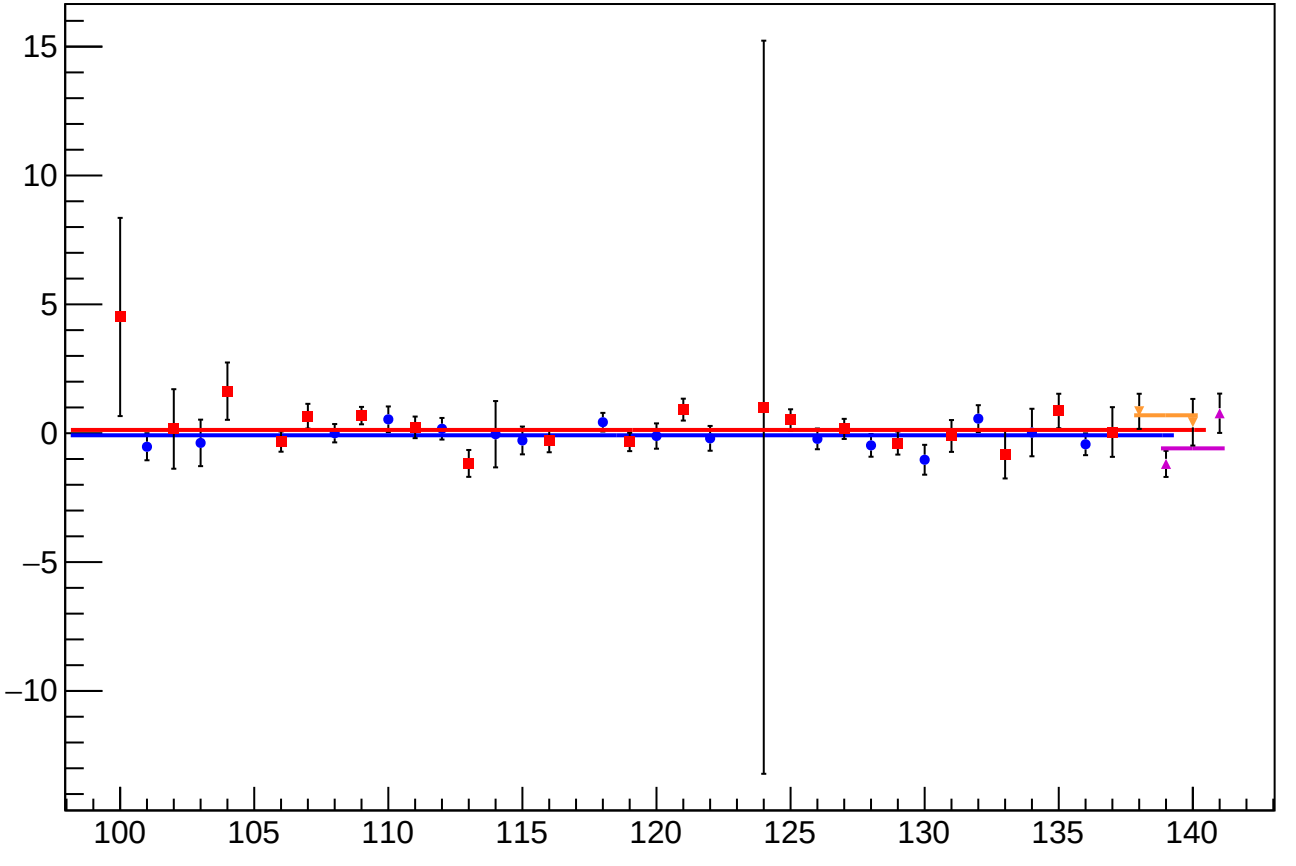
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:5346099.9/17

Out: 0.011+/-0.000 χ^2/NDF:4989148.3/20

All: 0.012+/-0.000 χ^2/NDF: 10352624.9/38

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.696+/-0.544 χ^2/NDF:0.1/1

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.587+/-0.422 χ^2/NDF:4.6/1

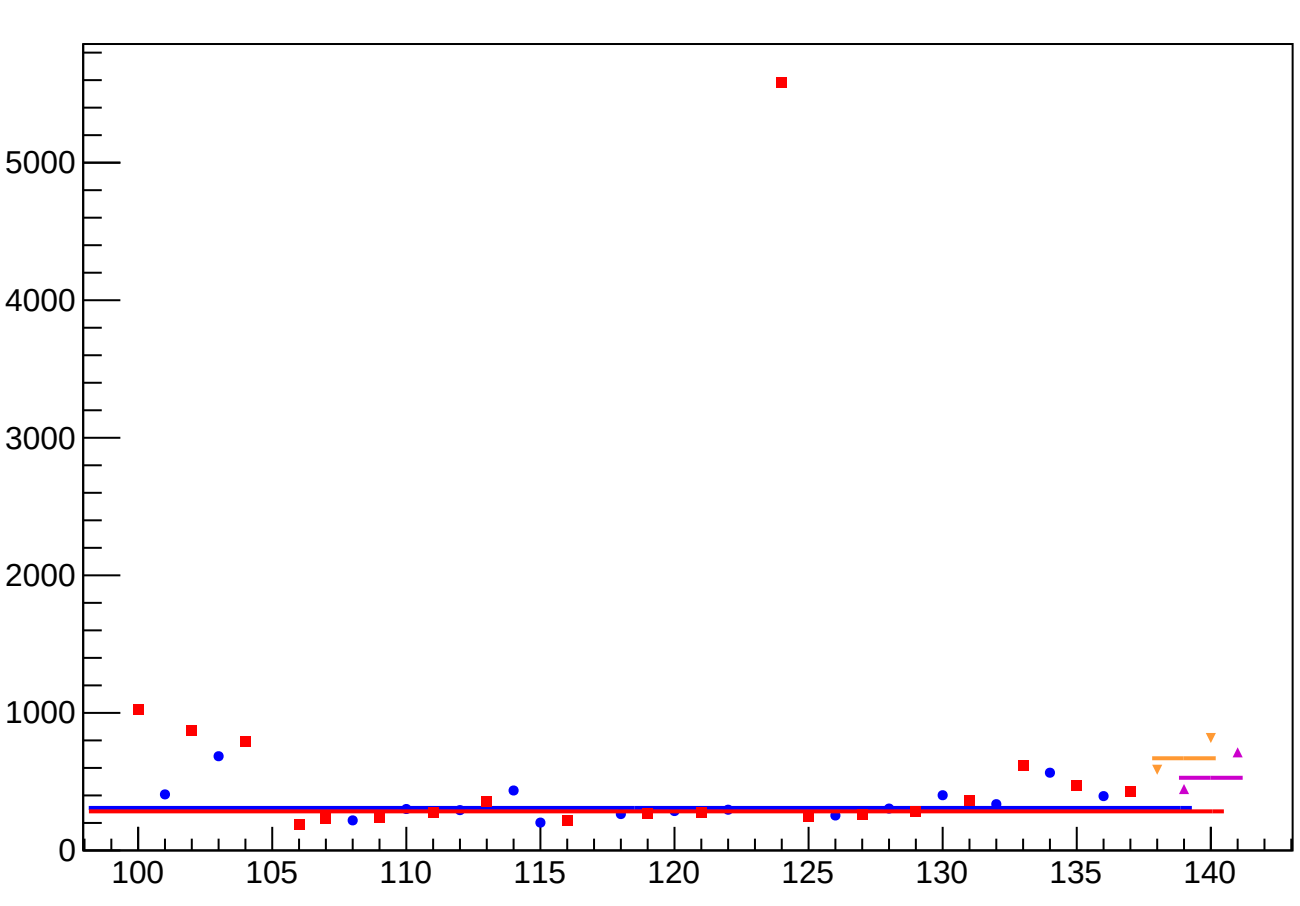
Left: -0.105+/-0.334 χ^2/NDF: 8.2/3

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.119+/-0.117 χ^2/NDF:16.7/17

Out: 0.153+/-0.114 χ^2/NDF:26.5/20

All: 0.020+/-0.082 χ^2/NDF: 45.9/38



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 670.151+/-0.385 χ^2/NDF:83062.7/1

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 528.306+/-0.299 χ^2/NDF:169911.8/1

Left: 581.607+/-0.236 χ^2/NDF: 337775.5/3

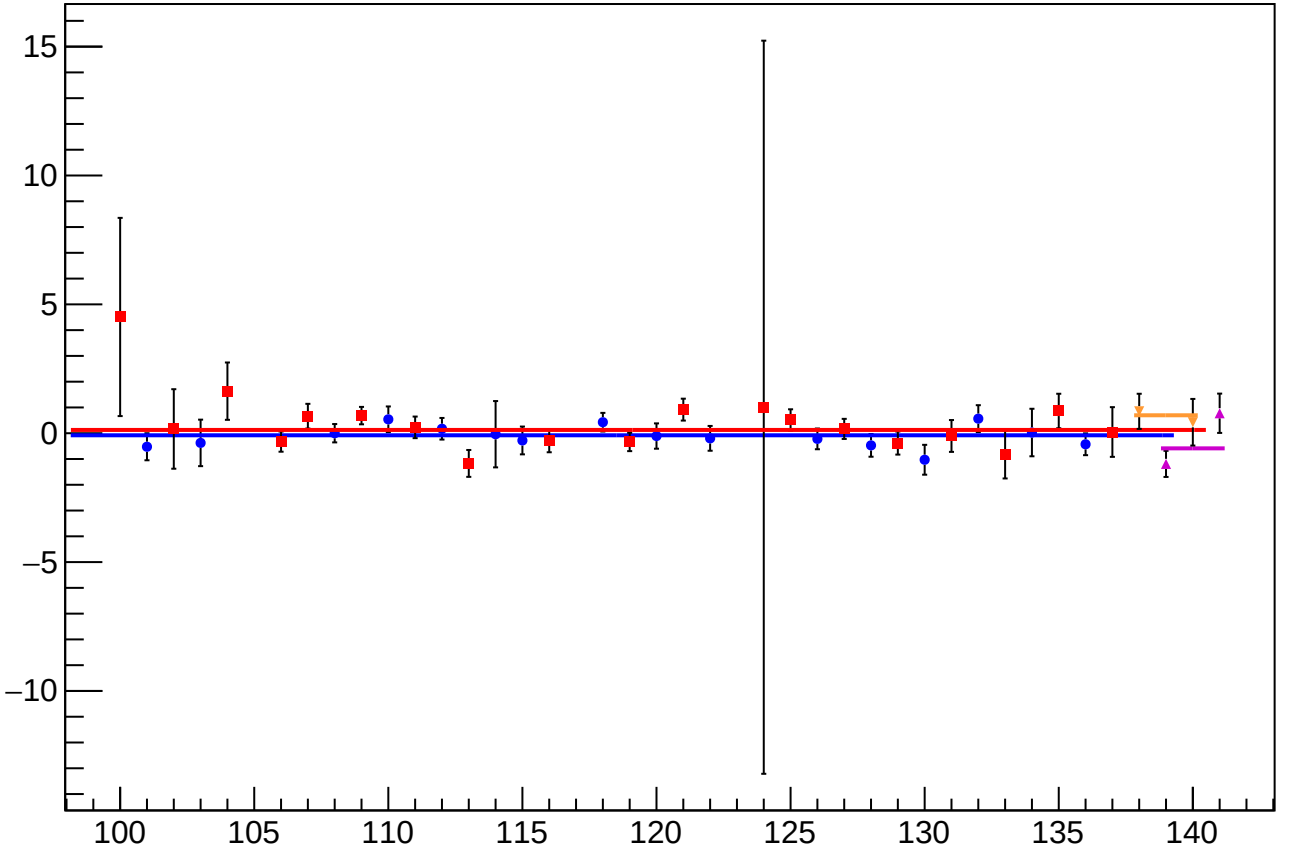
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 325.947+/-0.083 χ^2/NDF:1682034.6/17

Out: 301.212+/-0.081 χ^2/NDF:2900949.1/20

All: 313.282+/-0.058 χ^2/NDF: 4628683.4/38

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.696+/-0.544 χ^2/NDF:0.1/1

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.587+/-0.422 χ^2/NDF:4.6/1

Left: -0.105+/-0.334 χ^2/NDF: 8.2/3

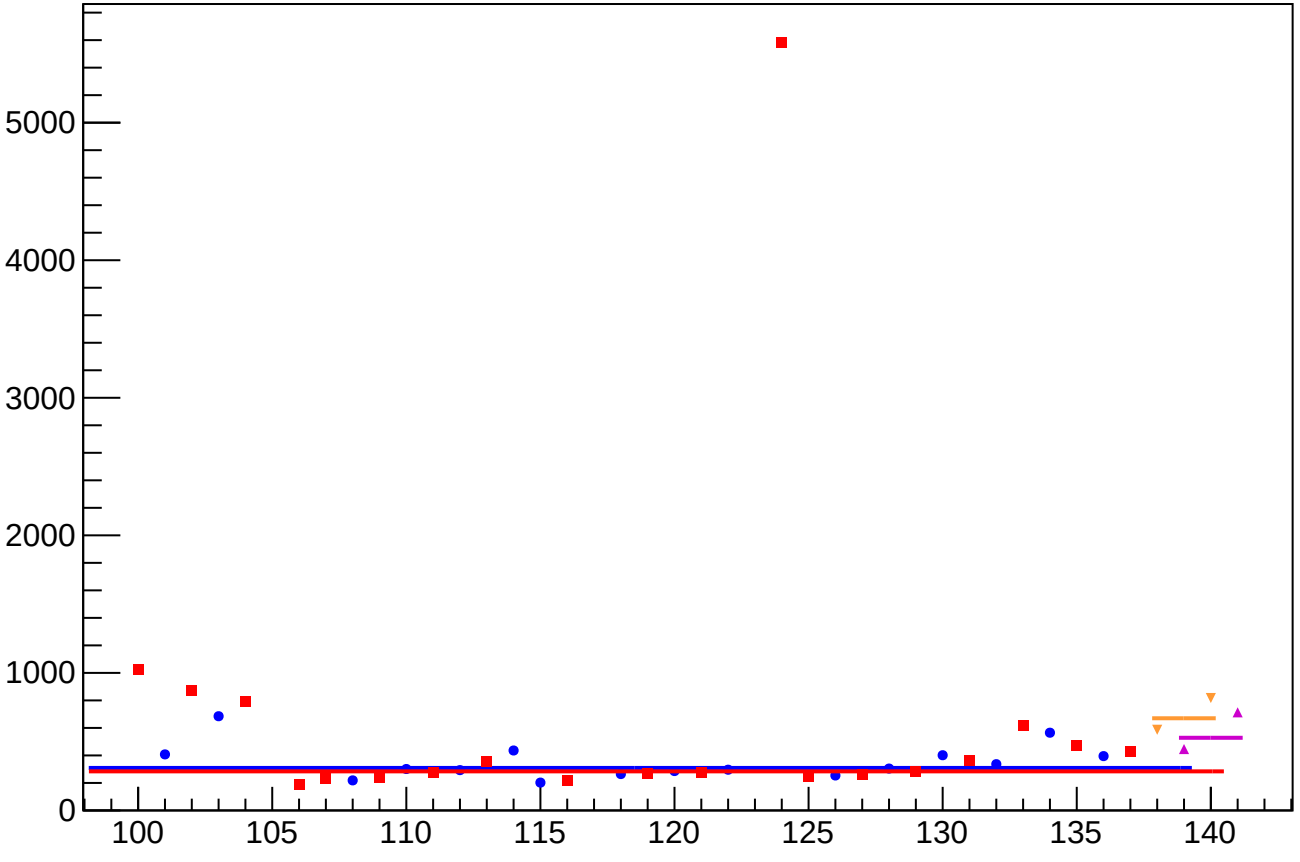
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.119+/-0.117 χ^2/NDF:16.7/17

Out: 0.153+/-0.114 χ^2/NDF:26.5/20

All: 0.020+/-0.082 χ^2/NDF: 45.9/38

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 670.151+/-0.385 χ^2/NDF:83062.7/1

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 528.306+/-0.299 χ^2/NDF:169911.8/1

Left: 581.607+/-0.236 χ^2/NDF: 337775.5/3

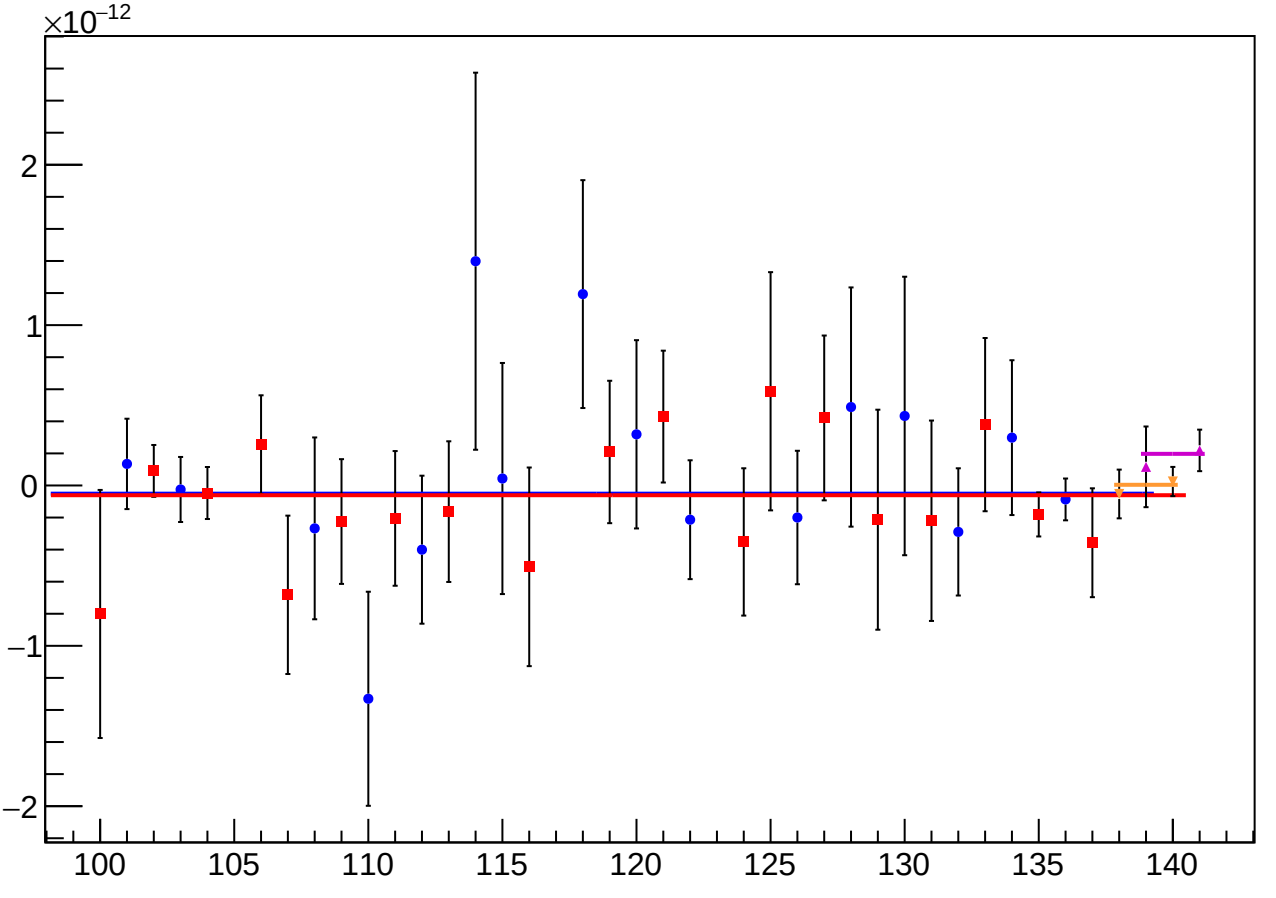
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 325.947+/-0.083 χ^2/NDF:1682034.6/17

Out: 301.212+/-0.081 χ^2/NDF:2900949.1/20

All: 313.282+/-0.058 χ^2/NDF: 4628683.4/38

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

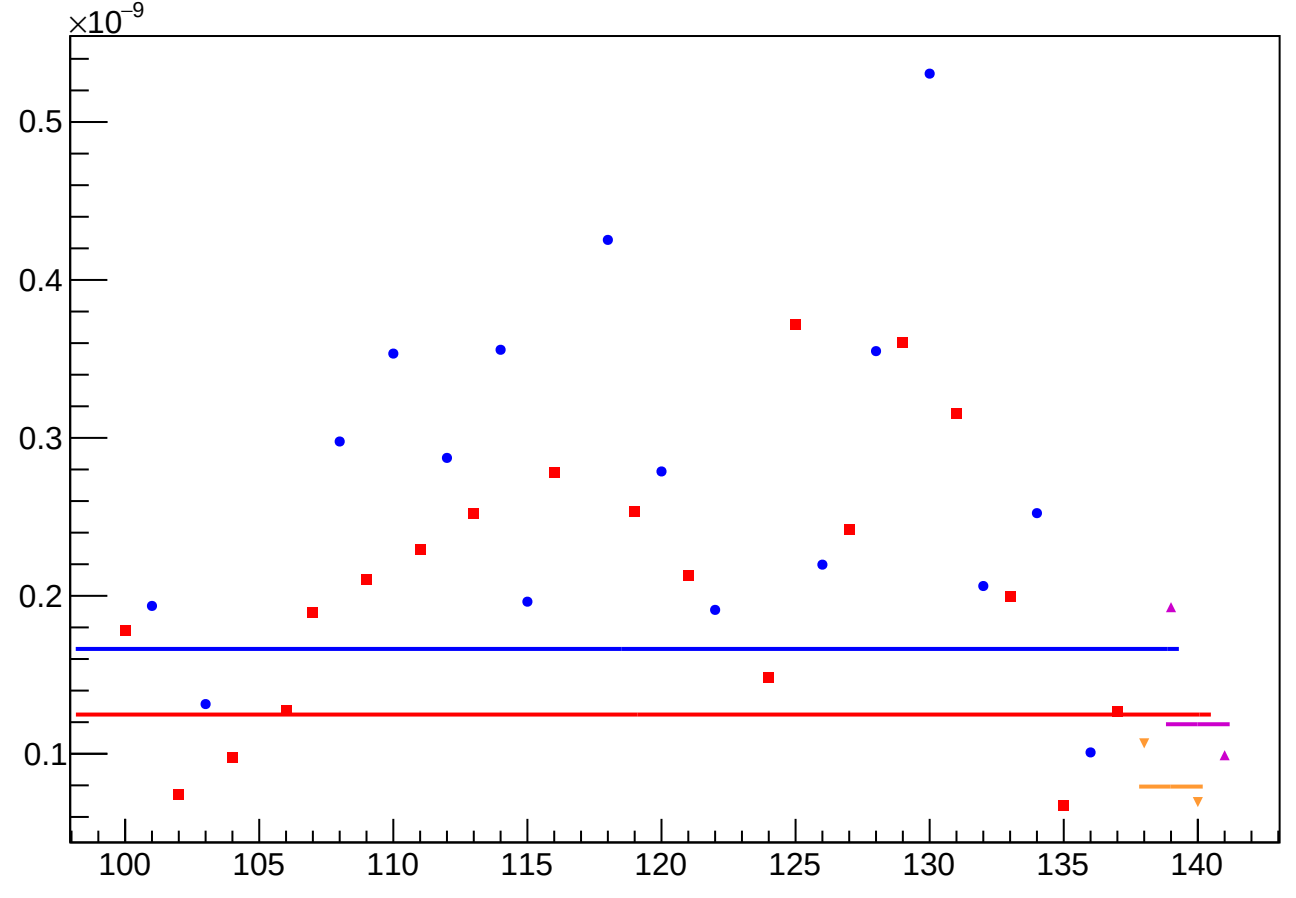
Left: 0.000+/-0.000 χ^2/NDF: 2.3/3

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: 0.000+/-0.000 χ^2/NDF:15.1/17

Out: -0.000+/-0.000 χ^2/NDF:12.0/20

All: -0.000+/-0.000 χ^2/NDF: 27.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:88101.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:219577.7/1

Left: 0.000+/-0.000 χ^2/NDF: 468743.2/3

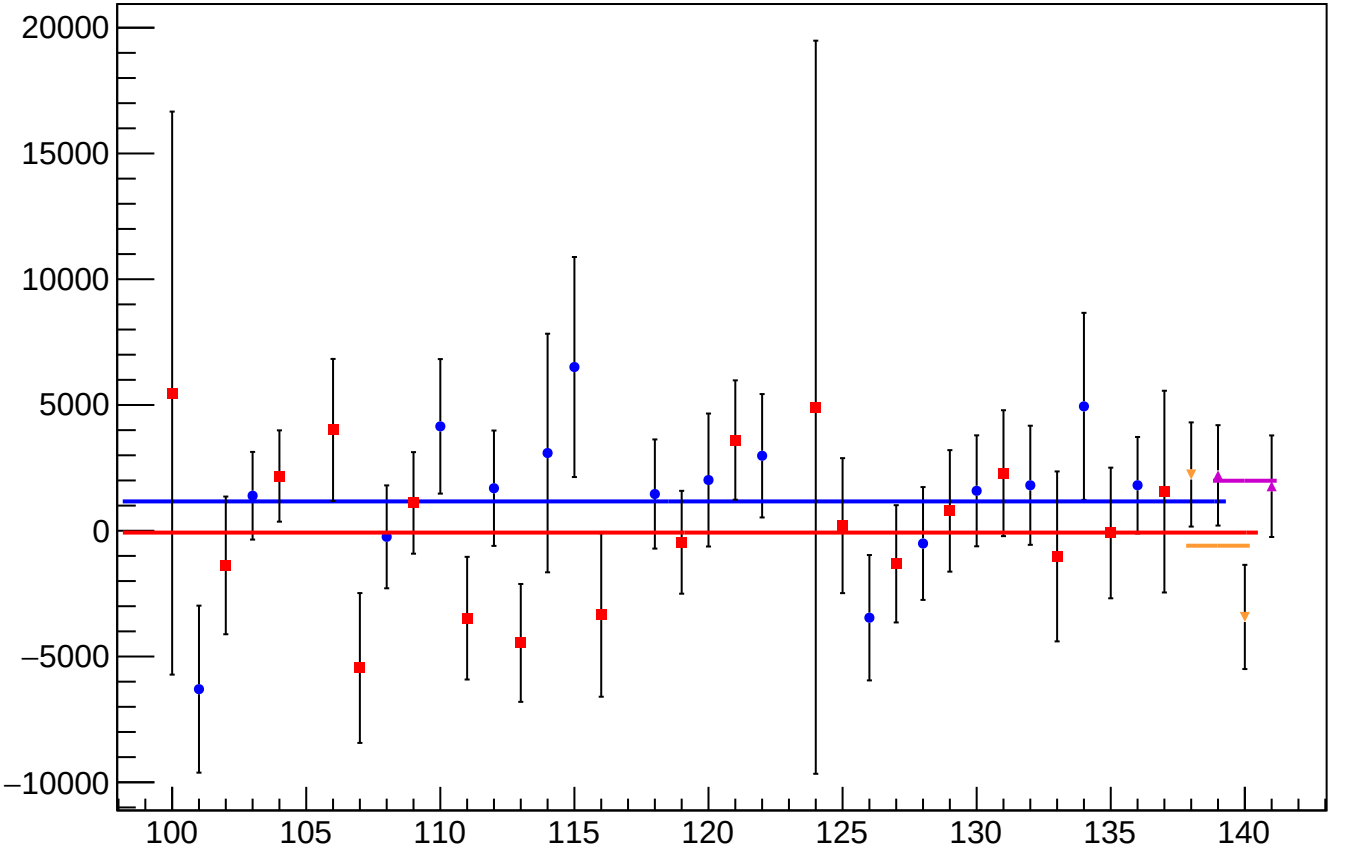
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:2426838.3/17

Out: 0.000+/-0.000 χ^2/NDF:2675708.1/20

All: 0.000+/-0.000 χ^2/NDF: 5657791.3/38

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -594.408+/-1464.526 χ^2/NDF:3.7/1

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 1989.033+/-1419.510 χ^2/NDF:0.0/1

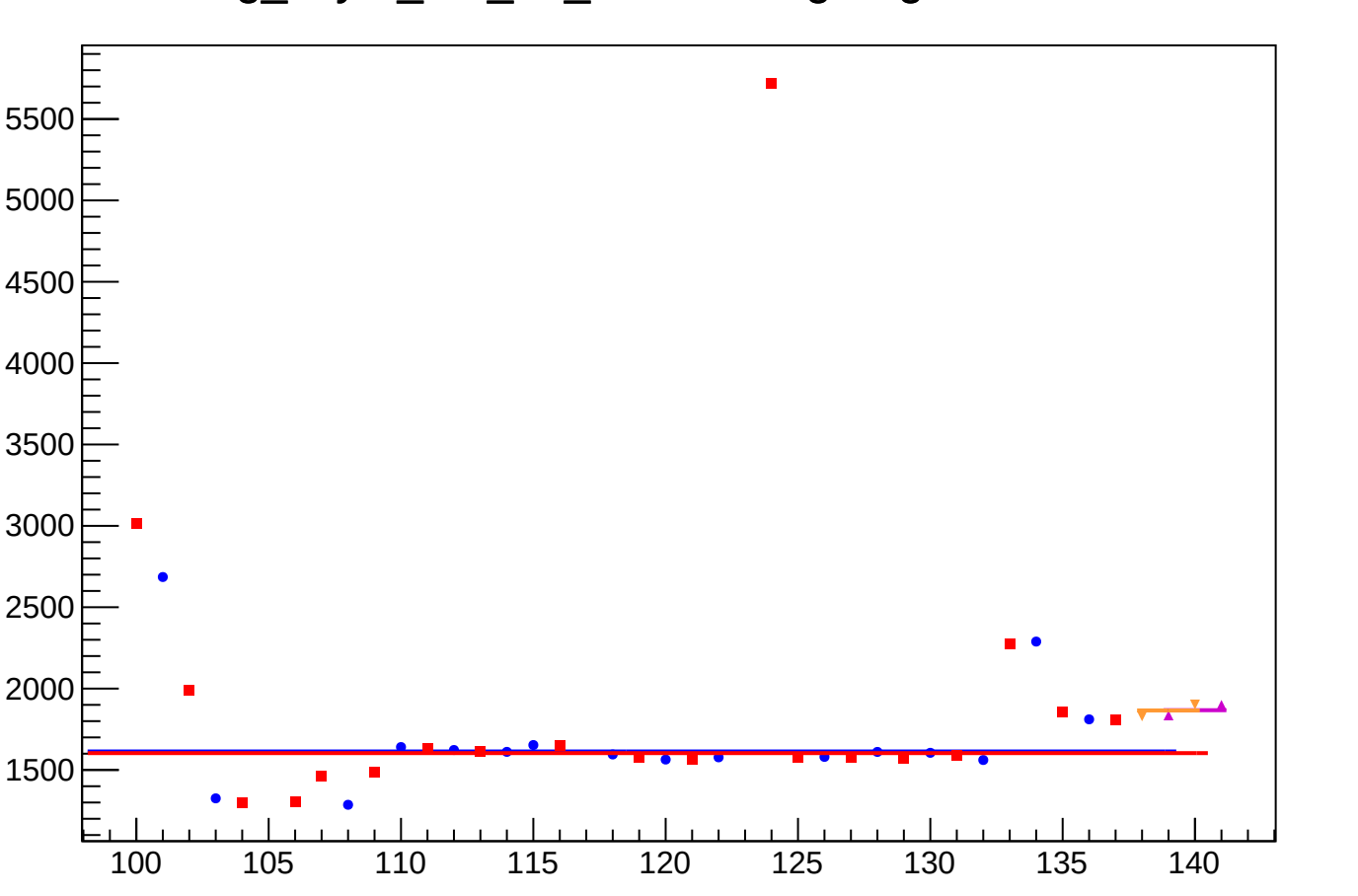
Left: 737.627+/-1019.288 χ^2/NDF: 5.4/3

Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 1294.727+/-559.801 χ^2/NDF:14.7/17

Out: -147.958+/-557.872 χ^2/NDF:22.1/20

All: 570.895+/-395.155 χ^2/NDF: 40.2/38



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1865.788+/-1.036 χ^2/NDF:1226.8/1

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1867.217+/-1.004 χ^2/NDF:1013.3/1

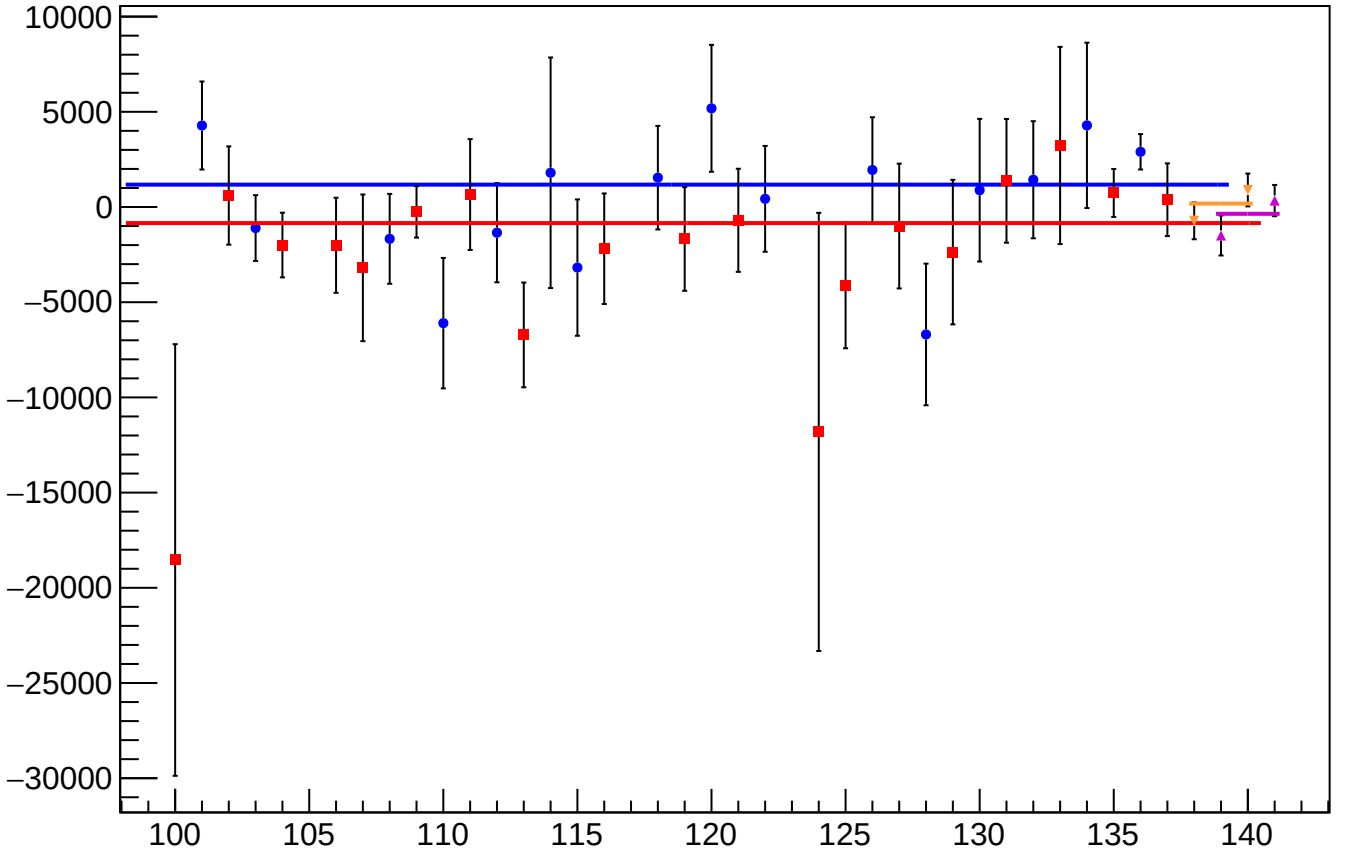
Left: 1866.524+/-0.721 χ^2/NDF: 2241.1/3

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1653.105+/-0.396 χ^2/NDF:459584.0/17

Out: 1641.528+/-0.394 χ^2/NDF:481876.3/20

All: 1647.297+/-0.279 χ^2/NDF: 941889.4/38



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 179.003+/-643.358 χ^2/NDF:1.6/1

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -357.244+/-646.666 χ^2/NDF:1.9/1

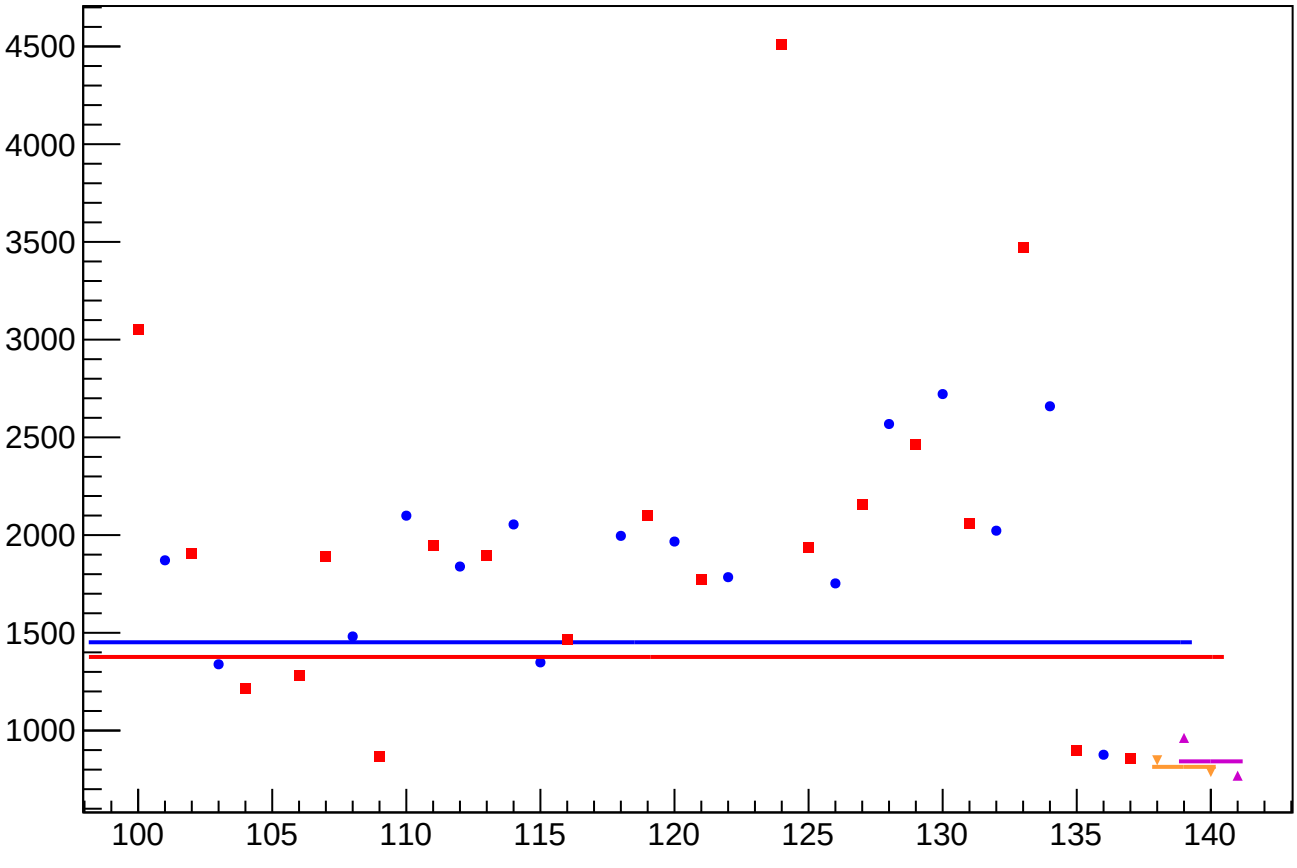
Left: -87.745+/-456.088 χ^2/NDF: 3.8/3

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 493.397+/-431.387 χ^2/NDF:27.0/17

Out: -405.242+/-421.295 χ^2/NDF:17.3/20

All: 33.444+/-301.405 χ^2/NDF: 46.5/38



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 814.120+/-0.455 χ^2/NDF:4321.4/1

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 842.299+/-0.457 χ^2/NDF:42056.5/1

Left: 828.137+/-0.323 χ^2/NDF: 48286.5/3

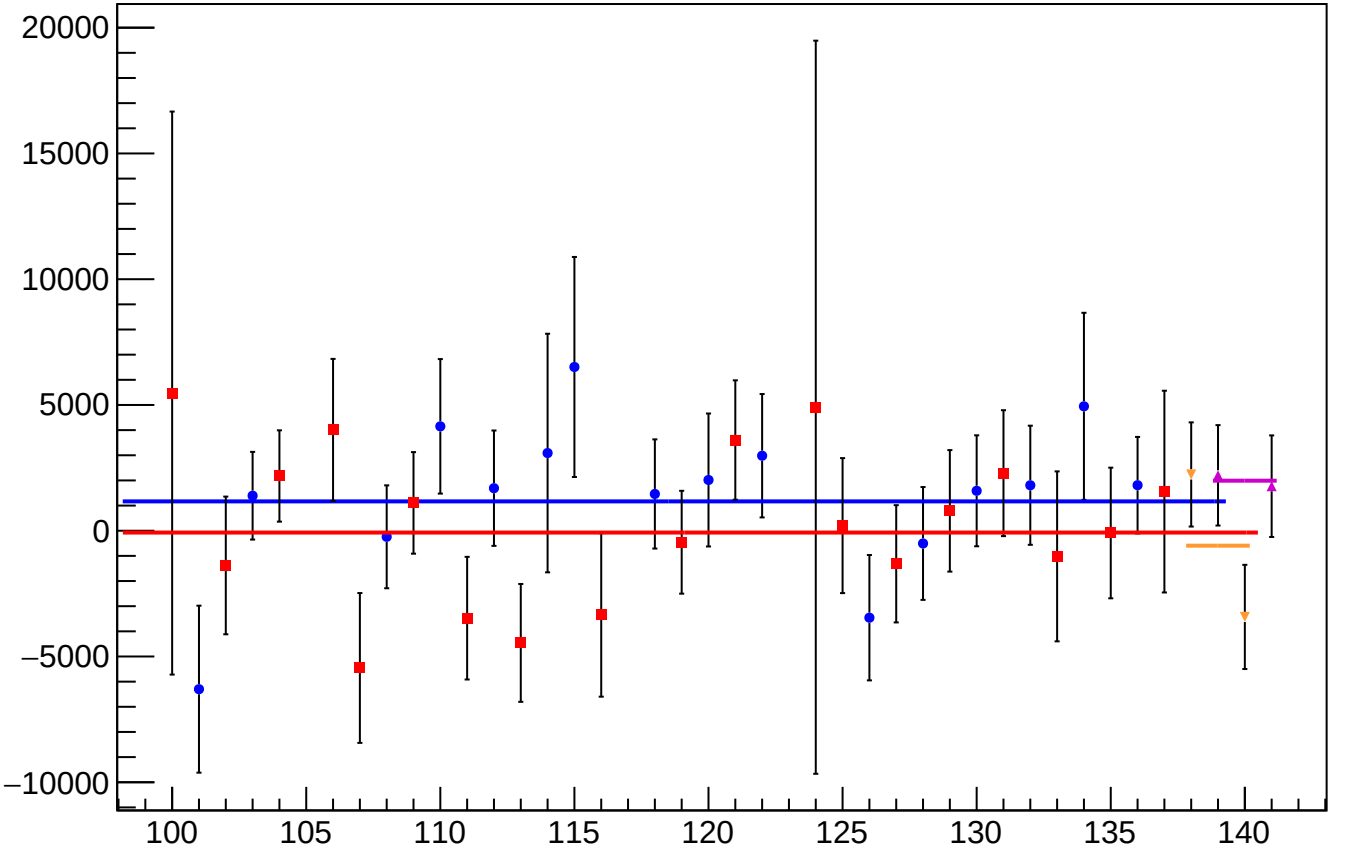
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1180.470+/-0.305 χ^2/NDF:2818405.2/17

Out: 1135.327+/-0.298 χ^2/NDF:3009176.6/20

All: 1157.365+/-0.213 χ^2/NDF: 5838791.9/38

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -594.494+/-1464.526 χ^2/NDF:3.7/1

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 1989.263+/-1419.510 χ^2/NDF:0.0/1

Left: 737.704+/-1019.288 χ^2/NDF: 5.4/3

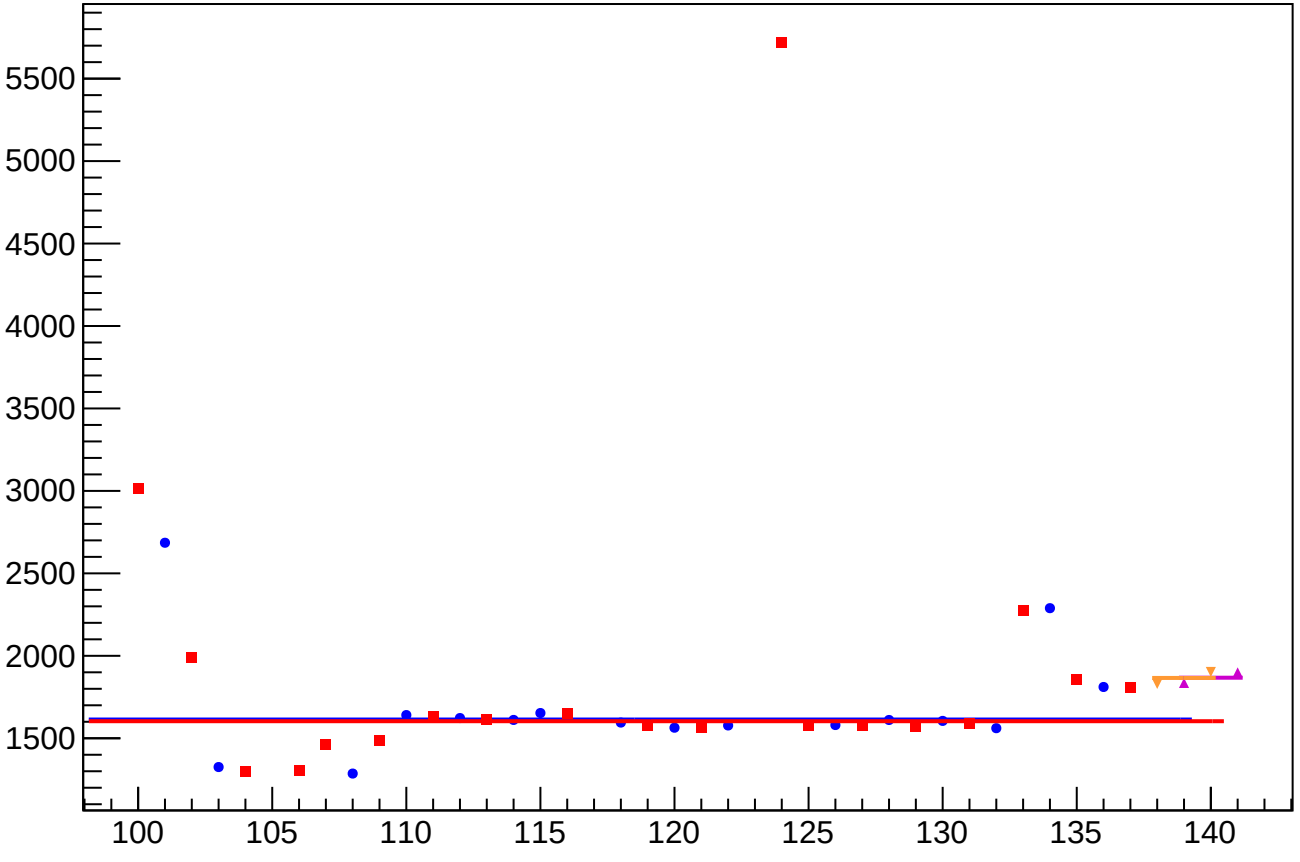
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 1294.685+/-559.801 χ^2/NDF:14.7/17

Out: -148.242+/-557.872 χ^2/NDF:22.1/20

All: 570.731+/-395.155 χ^2/NDF: 40.2/38

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1865.788+/-1.036 χ^2/NDF:1226.8/1

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1867.217+/-1.004 χ^2/NDF:1013.3/1

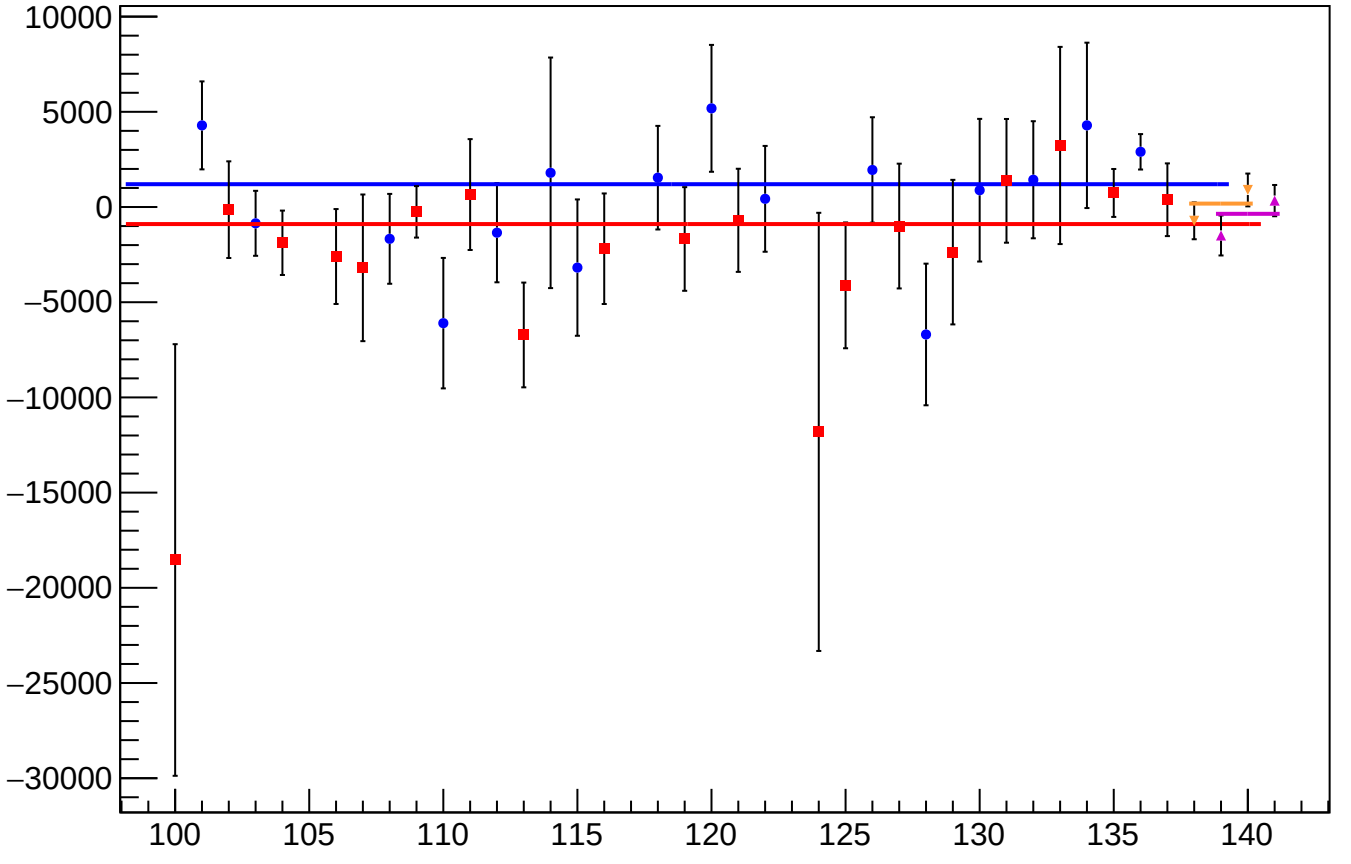
Left: 1866.525+/-0.721 χ^2/NDF: 2241.1/3

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1653.105+/-0.396 χ^2/NDF:459584.3/17

Out: 1641.528+/-0.394 χ^2/NDF:481876.3/20

All: 1647.296+/-0.279 χ^2/NDF: 941889.8/38



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 179.267+/-643.373 χ^2/NDF:1.6/1

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -357.550+/-646.652 χ^2/NDF:1.9/1

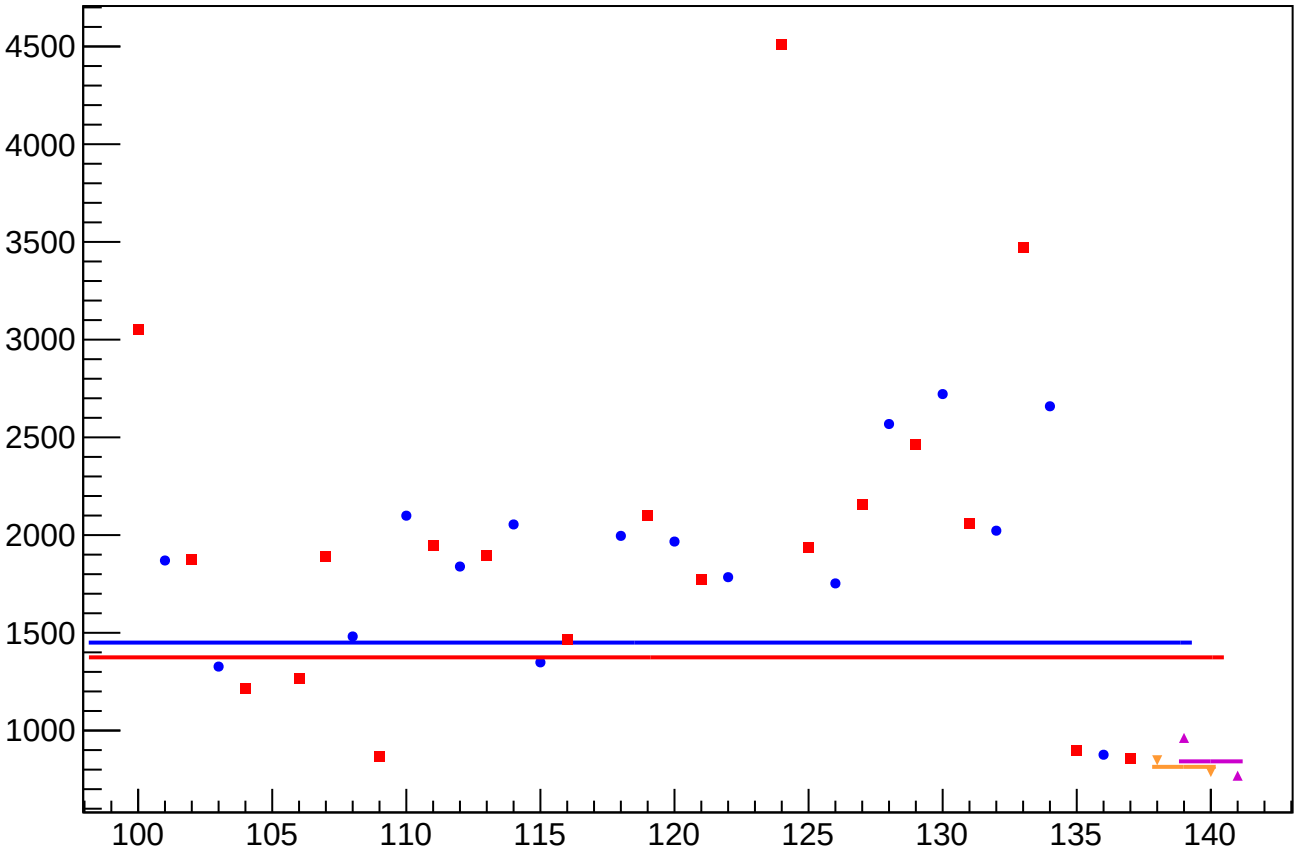
Left: -87.777+/-456.088 χ^2/NDF: 3.8/3

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 507.022+/-431.042 χ^2/NDF:26.8/17

Out: -435.348+/-420.966 χ^2/NDF:17.4/20

All: 24.693+/-301.167 χ^2/NDF: 46.6/38



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 814.142+/-0.455 χ^2/NDF:4316.0/1

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 842.278+/-0.457 χ^2/NDF:42070.1/1

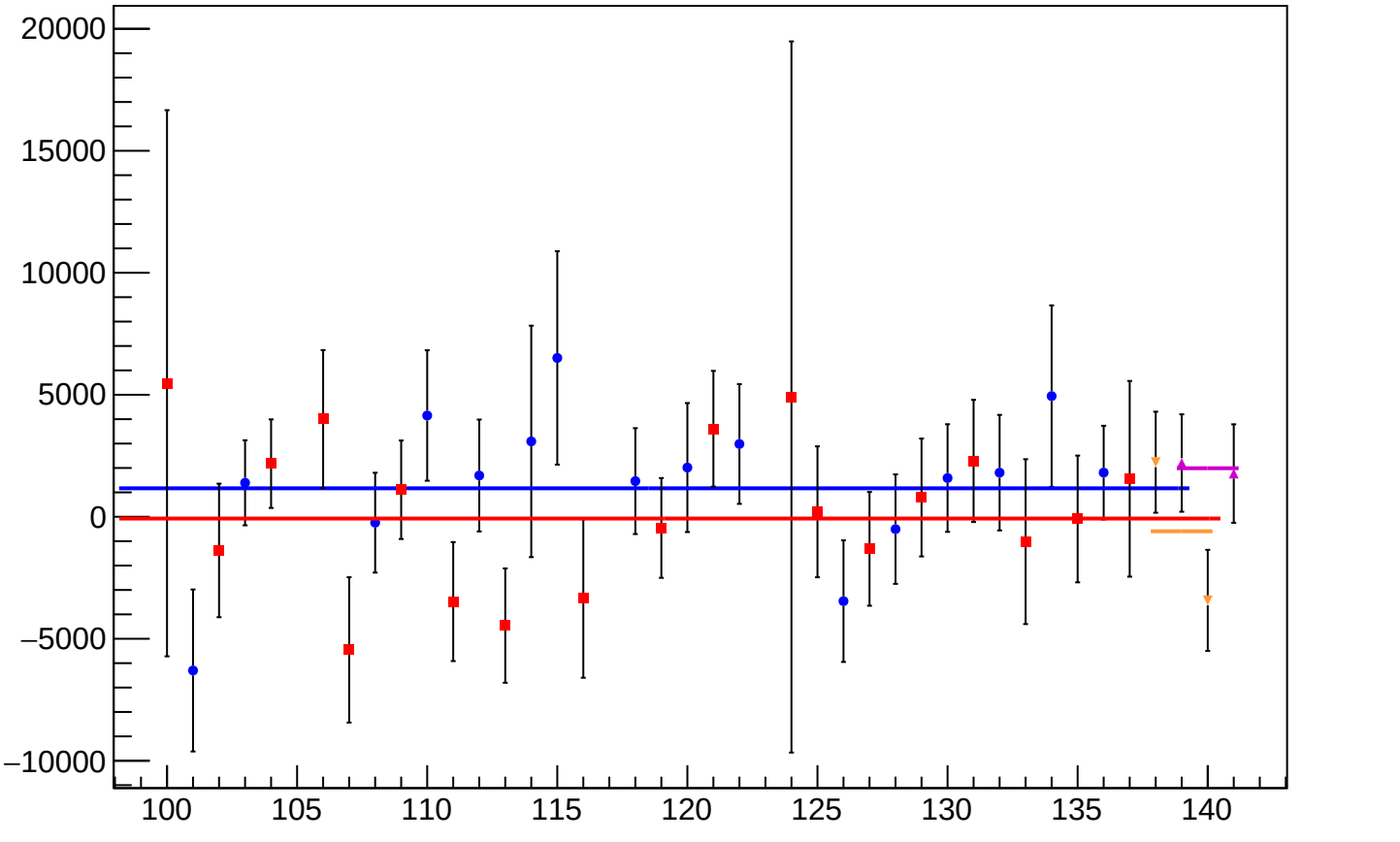
Left: 828.138+/-0.323 χ^2/NDF: 48289.0/3

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

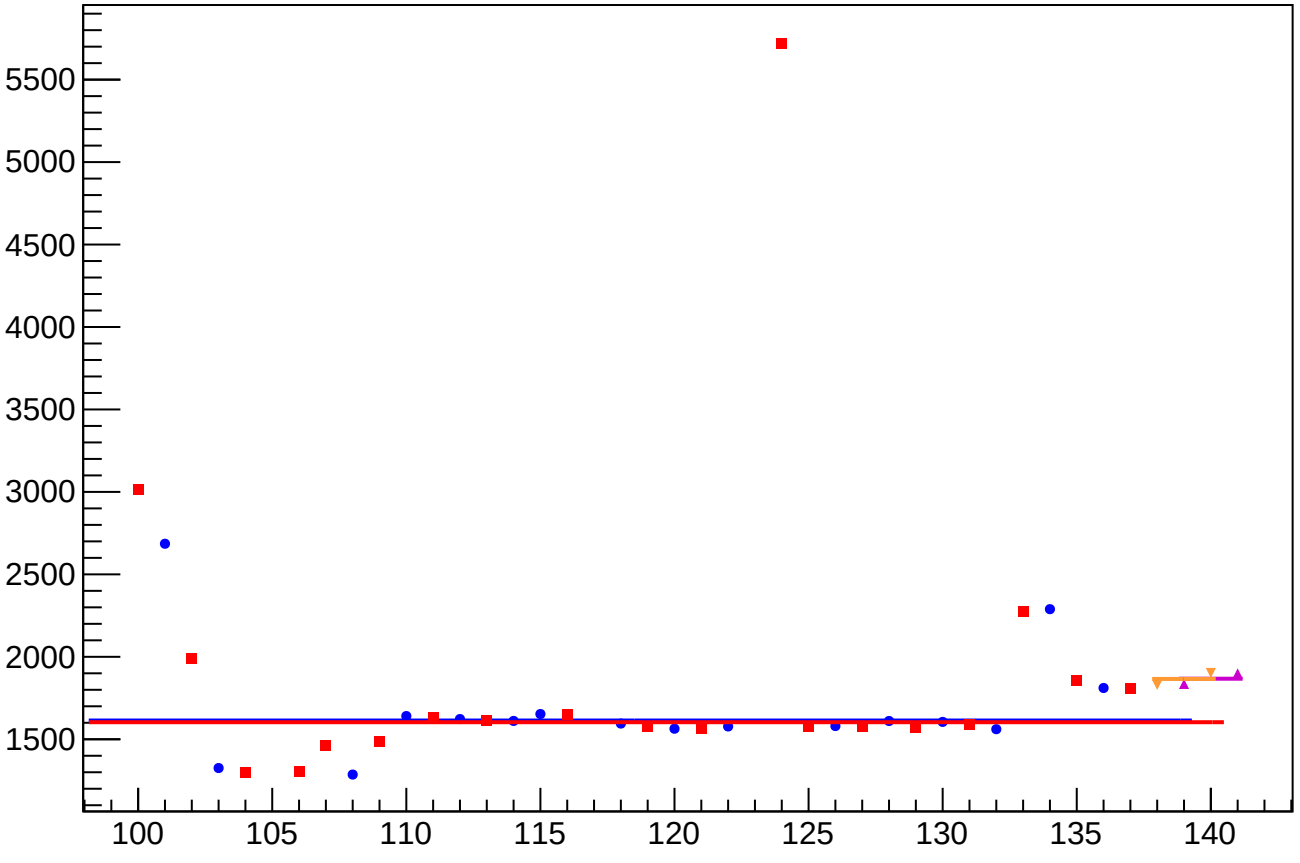
In: 1179.941+/-0.305 χ^2/NDF:2816114.1/17

Out: 1134.563+/-0.298 χ^2/NDF:2999457.5/20

All: 1156.715+/-0.213 χ^2/NDF: 5826916.9/38


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -594.494+/-1464.526 χ²/NDF:3.7/1
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 1989.263+/-1419.510 χ²/NDF:0.0/1
Left: 737.704+/-1019.288 χ²/NDF: 5.4/3
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 1294.685+/-559.801 χ²/NDF:14.7/17
Out: -148.242+/-557.872 χ²/NDF:22.1/20
All: 570.731+/-395.155 χ²/NDF: 40.2/38

eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1865.788+/-1.036 χ^2/NDF:1226.8/1

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1867.217+/-1.004 χ^2/NDF:1013.3/1

Left: 1866.525+/-0.721 χ^2/NDF: 2241.1/3

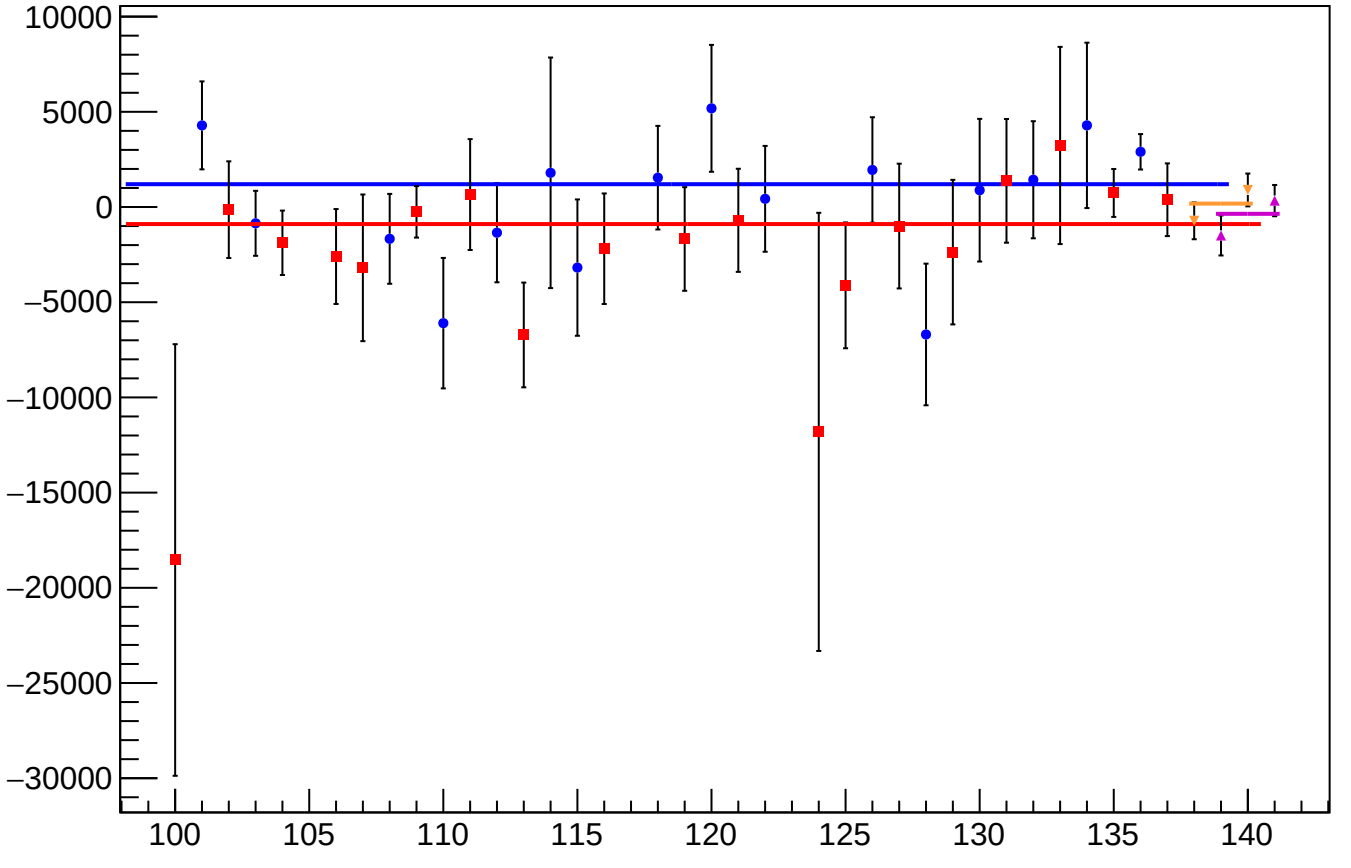
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1653.105+/-0.396 χ^2/NDF:459584.3/17

Out: 1641.528+/-0.394 χ^2/NDF:481876.3/20

All: 1647.296+/-0.279 χ^2/NDF: 941889.8/38

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 179.267+/-643.373 χ^2/NDF:1.6/1

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -357.550+/-646.652 χ^2/NDF:1.9/1

Left: -87.777+/-456.088 χ^2/NDF: 3.8/3

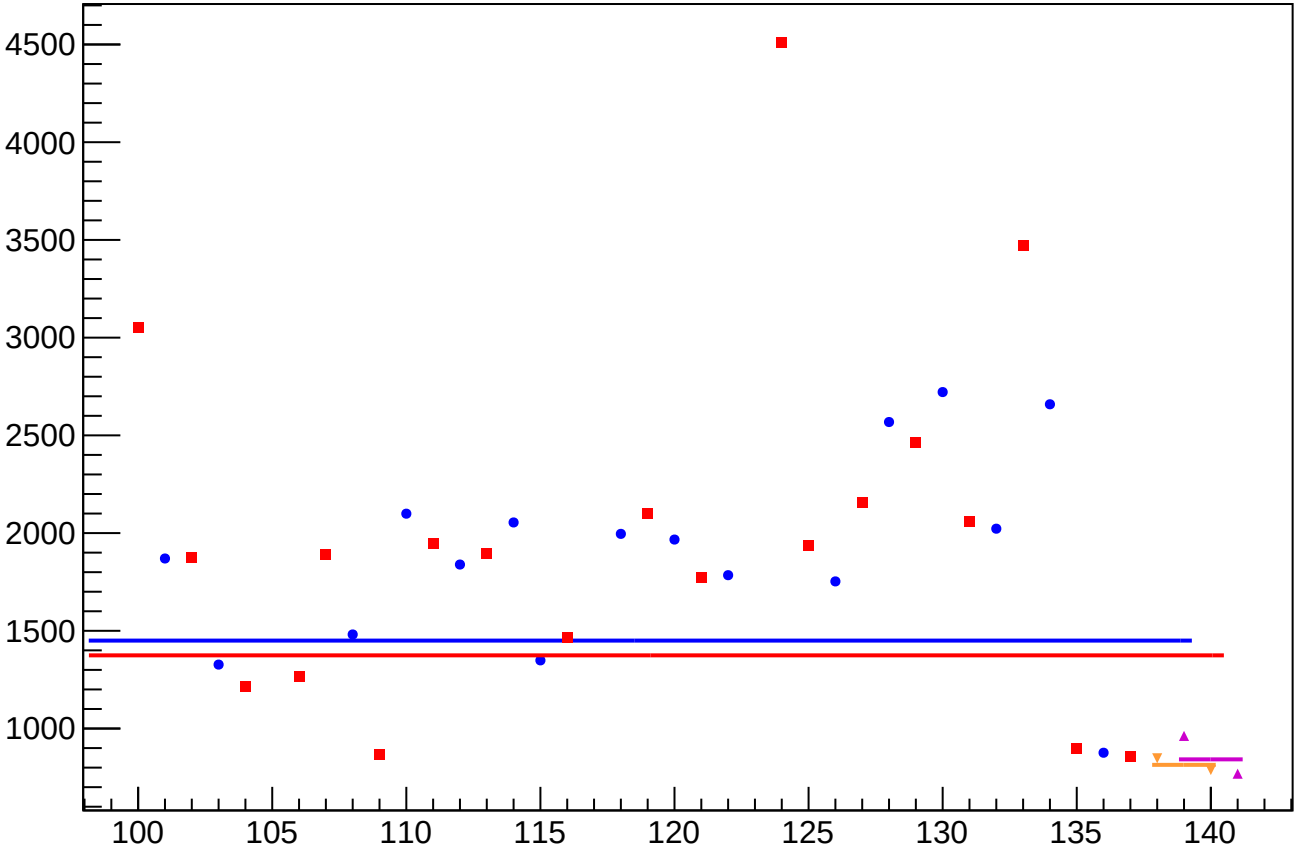
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 507.022+/-431.042 χ^2/NDF:26.8/17

Out: -435.348+/-420.966 χ^2/NDF:17.4/20

All: 24.693+/-301.167 χ^2/NDF: 46.6/38

asym_at2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 814.142+/-0.455 χ^2/NDF:4316.0/1

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 842.278+/-0.457 χ^2/NDF:42070.1/1

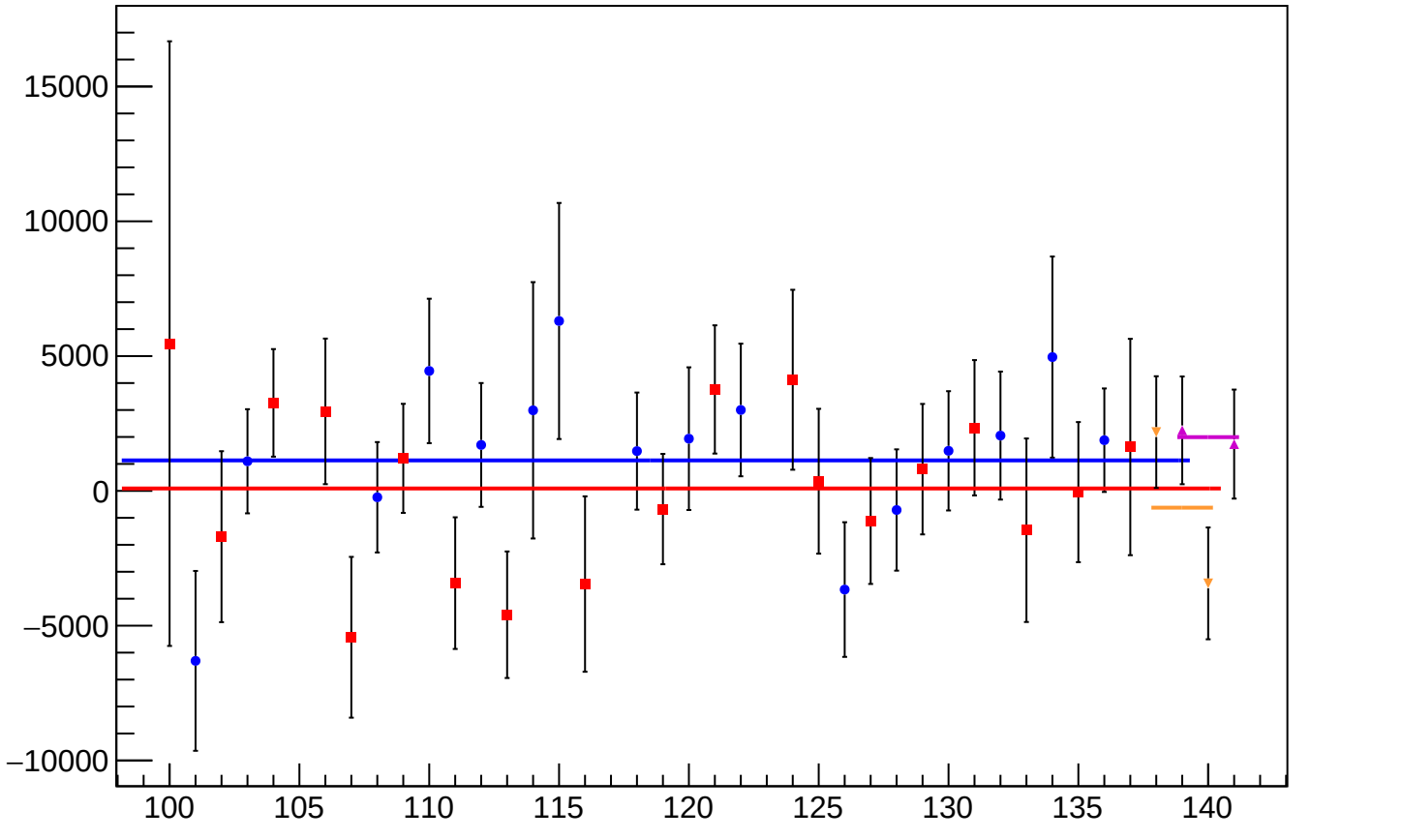
Left: 828.138+/-0.323 χ^2/NDF: 48289.0/3

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1179.941+/-0.305 χ^2/NDF:2816114.1/17

Out: 1134.563+/-0.298 χ^2/NDF:2999457.5/20

All: 1156.715+/-0.213 χ^2/NDF: 5826916.9/38



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -622.901+/-1465.799 χ^2/NDF:3.7/1

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 1993.633+/-1421.067 χ^2/NDF:0.0/1

Left: 725.900+/-1020.294 χ^2/NDF: 5.3/3

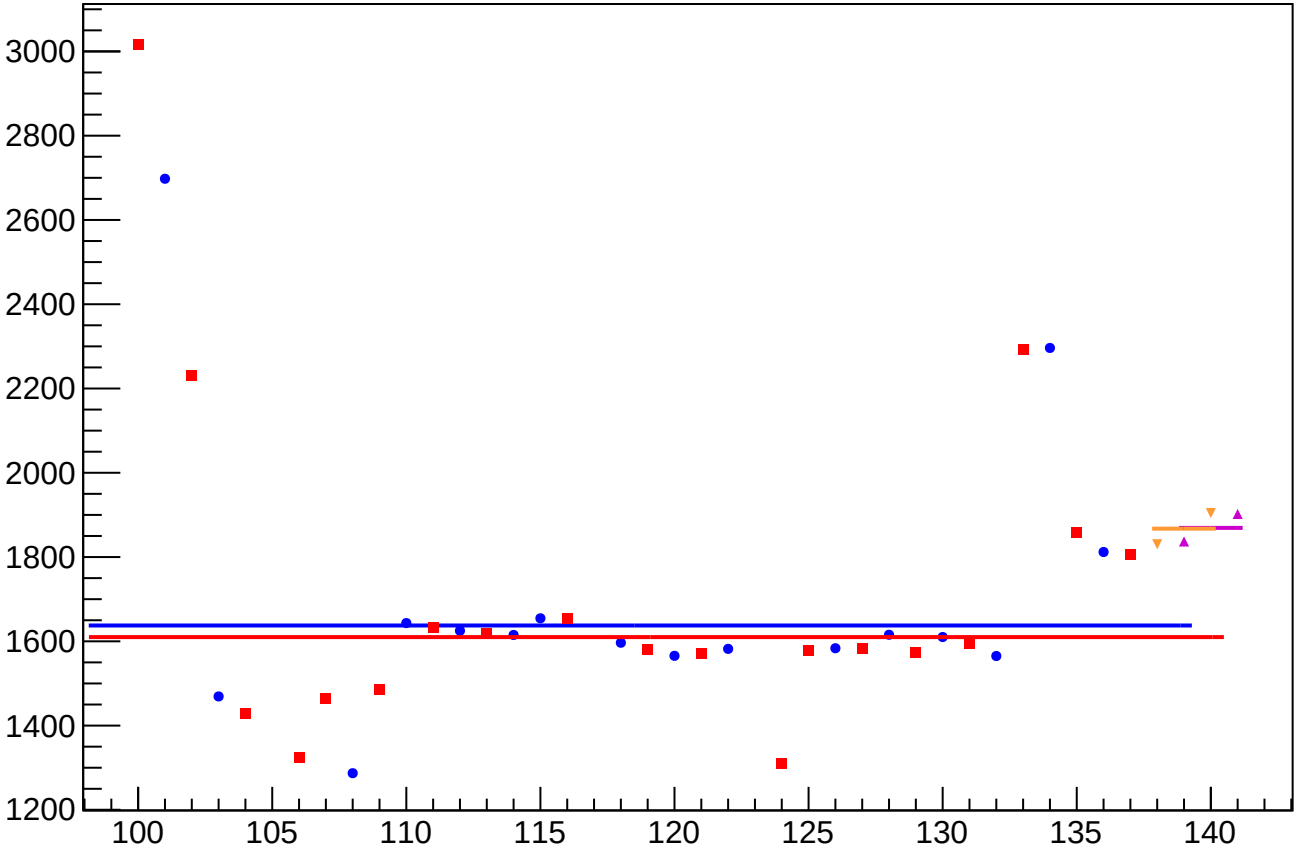
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 1267.682+/-566.139 χ^2/NDF:15.3/17

Out: -13.872+/-557.713 χ^2/NDF:24.5/20

All: 617.298+/-397.308 χ^2/NDF: 42.5/38

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1867.396+/-1.036 χ^2/NDF:1279.3/1

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1869.215+/-1.005 χ^2/NDF:1053.4/1

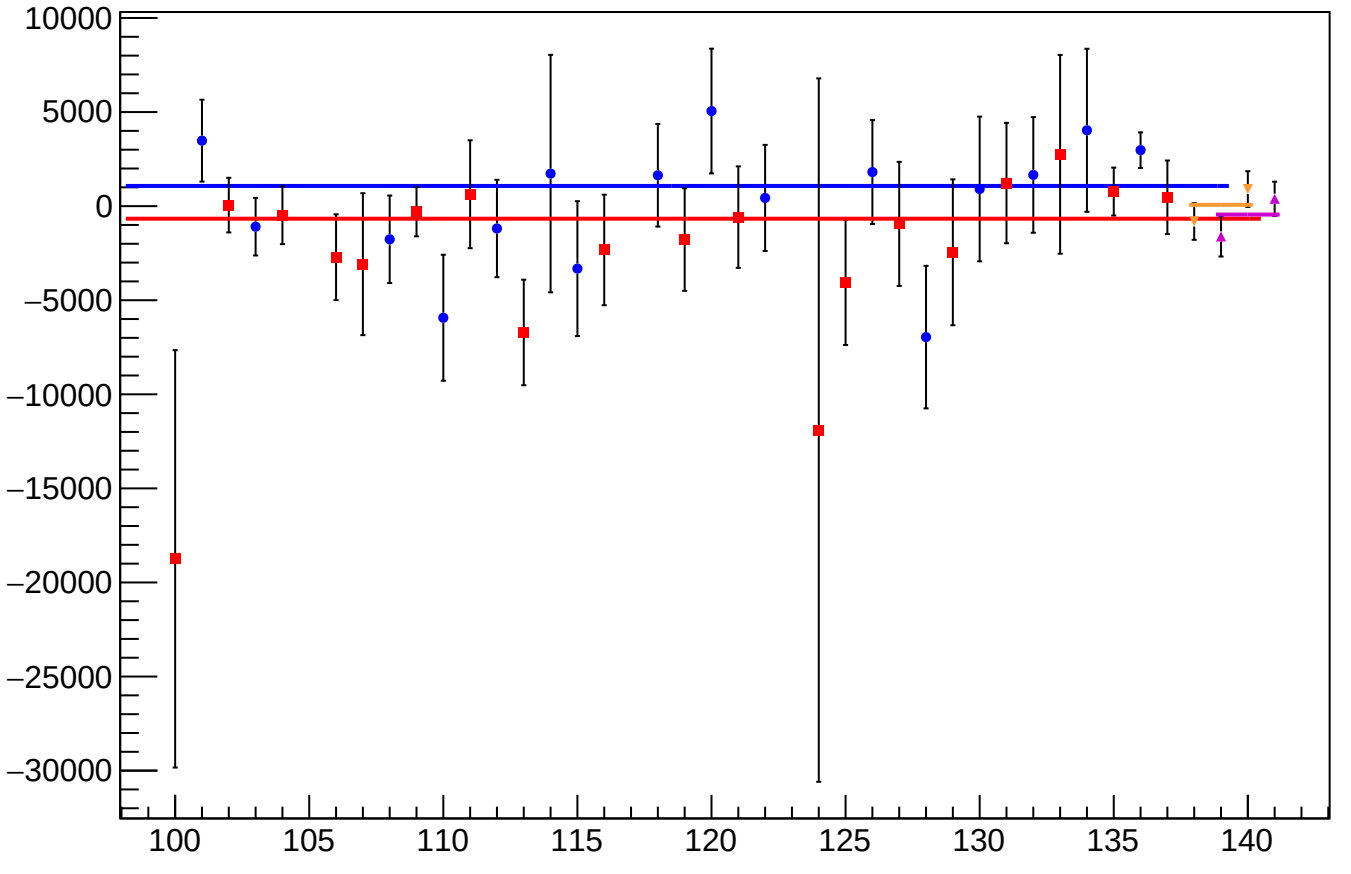
Left: 1868.334+/-0.721 χ^2/NDF: 2334.3/3

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1674.339+/-0.400 χ^2/NDF:407177.6/17

Out: 1647.300+/-0.394 χ^2/NDF:334817.6/20

All: 1660.616+/-0.281 χ^2/NDF: 744310.5/38



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 69.256+/-679.285 χ^2/NDF:1.6/1

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -446.607+/-692.595 χ^2/NDF:2.0/1

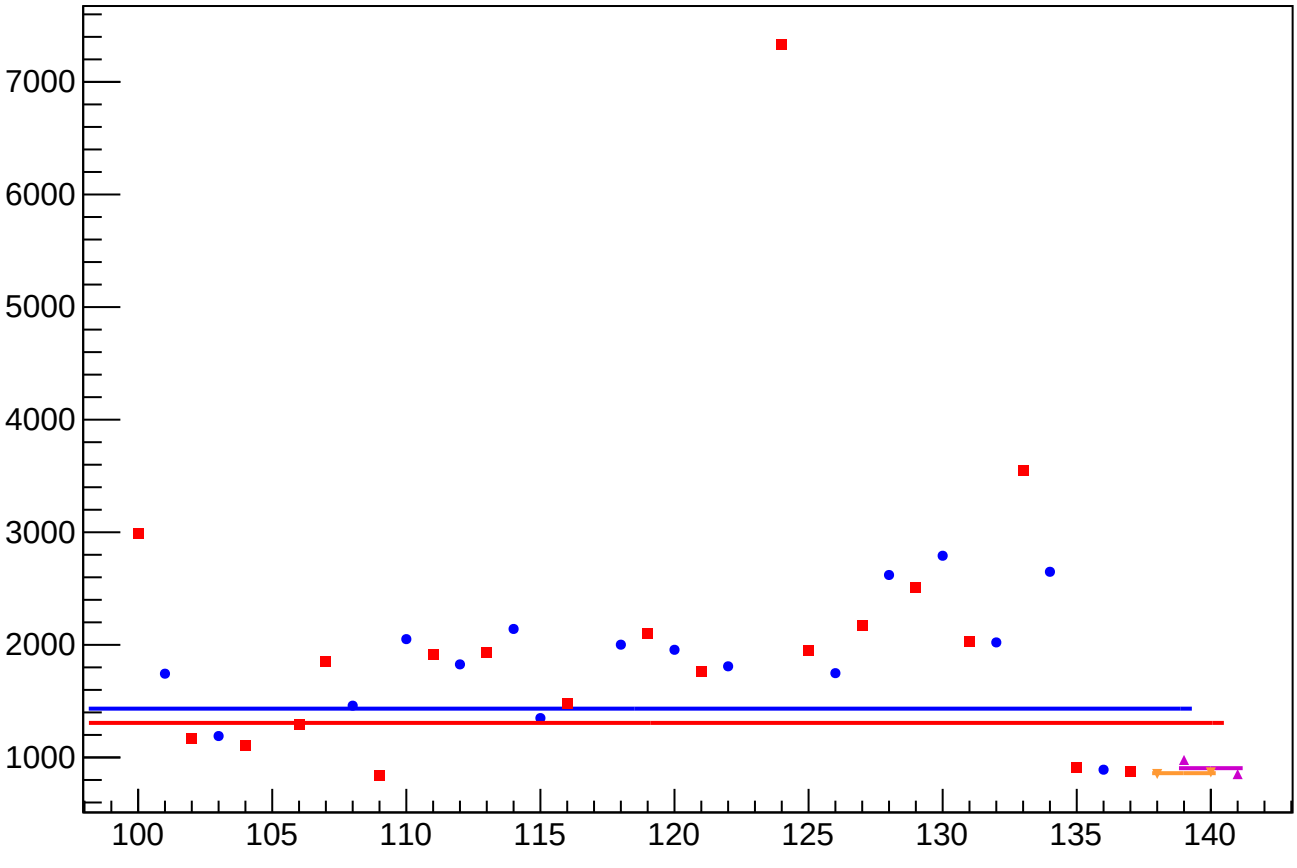
Left: -183.671+/-484.964 χ^2/NDF: 3.9/3

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 457.662+/-440.856 χ^2/NDF:26.9/17

Out: -393.162+/-414.640 χ^2/NDF:15.9/20

All: 6.202+/-302.038 χ^2/NDF: 44.8/38



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 860.401+/-0.480 χ^2/NDF:224.8/1

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 904.854+/-0.490 χ^2/NDF:16068.2/1

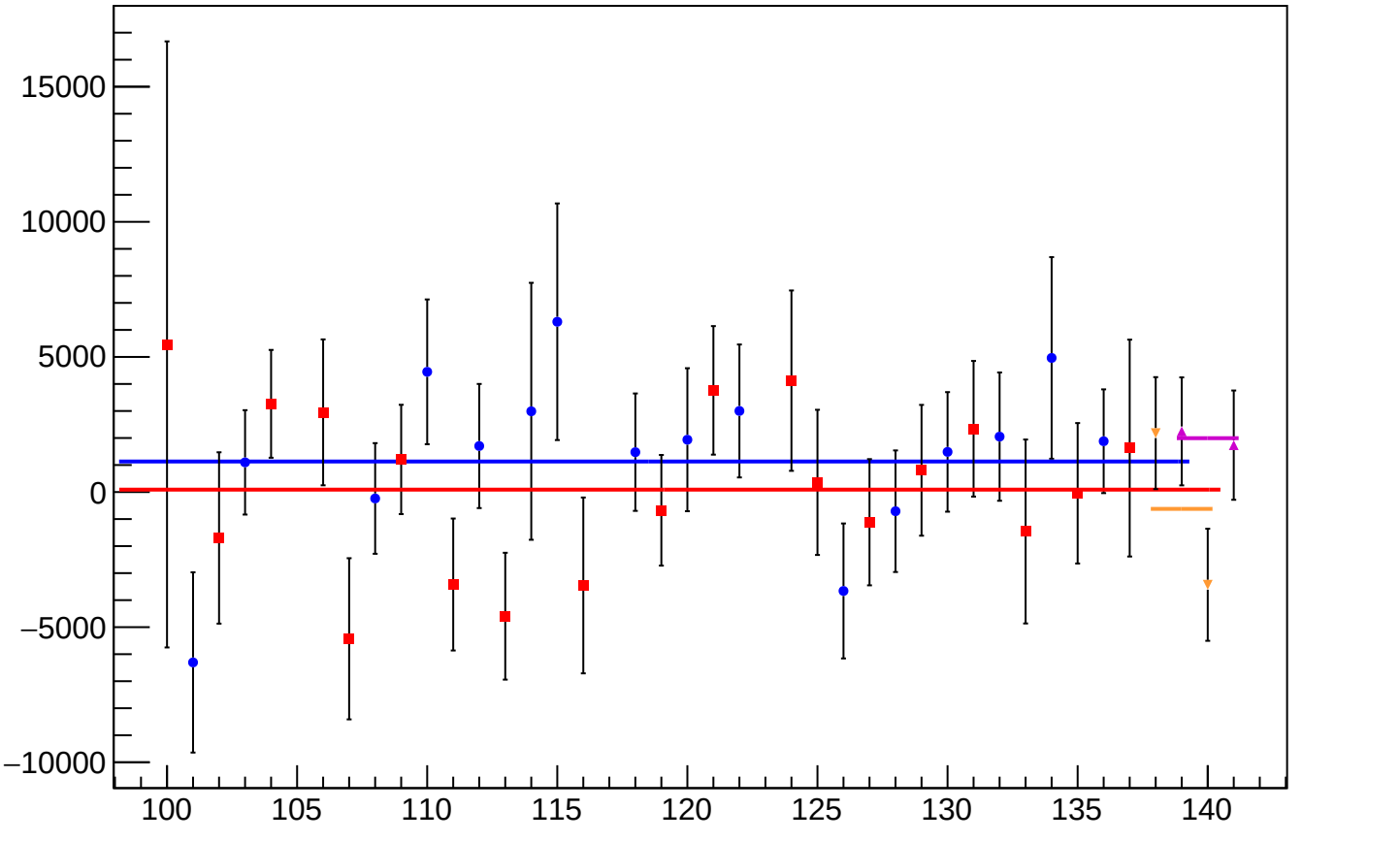
Left: 882.196+/-0.343 χ^2/NDF: 20492.5/3

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1219.296+/-0.312 χ^2/NDF:2472600.6/17

Out: 1140.515+/-0.293 χ^2/NDF:2726193.6/20

All: 1177.494+/-0.214 χ^2/NDF: 5232683.4/38



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -622.917+/-1465.799 χ^2/NDF:3.7/1

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 1993.615+/-1421.067 χ^2/NDF:0.0/1

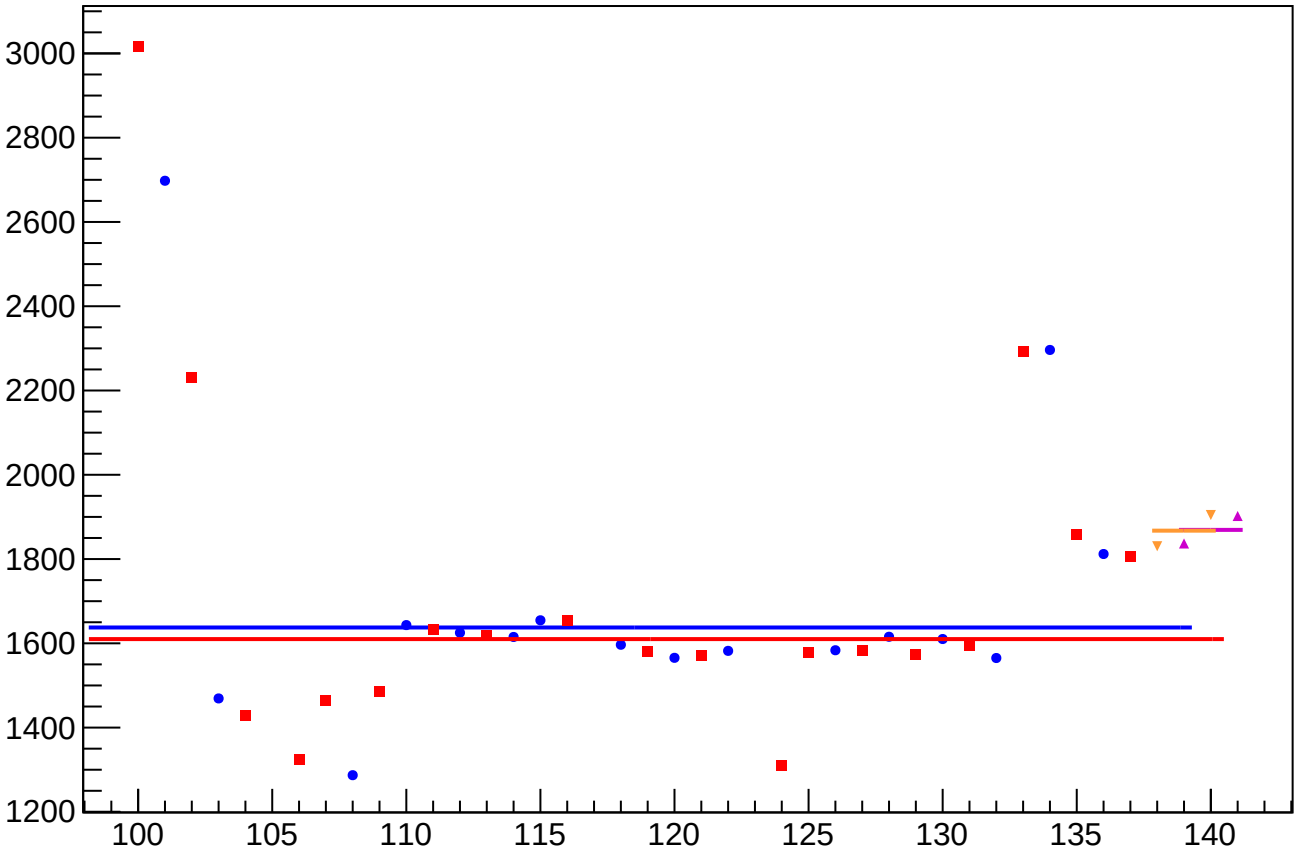
Left: 725.883+/-1020.294 χ^2/NDF: 5.3/3

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 1267.680+/-566.139 χ^2/NDF:15.3/17

Out: -13.870+/-557.713 χ^2/NDF:24.5/20

All: 617.298+/-397.308 χ^2/NDF: 42.5/38



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1867.396+/-1.036 χ^2/NDF:1279.3/1

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1869.216+/-1.005 χ^2/NDF:1053.4/1

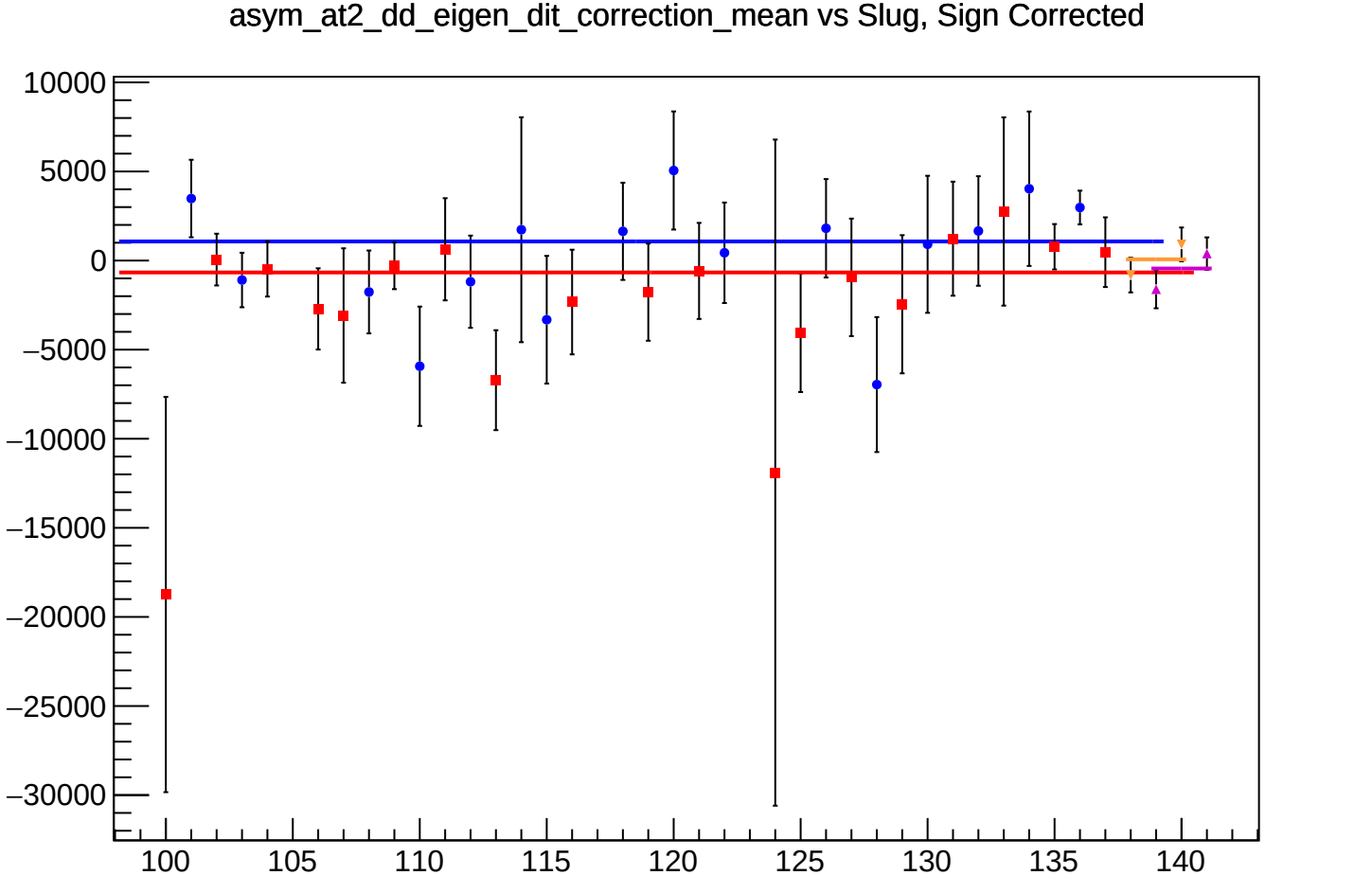
Left: 1868.334+/-0.721 χ^2/NDF: 2334.3/3

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1674.339+/-0.400 χ^2/NDF:407177.5/17

Out: 1647.299+/-0.394 χ^2/NDF:334817.9/20

All: 1660.616+/-0.281 χ^2/NDF: 744310.7/38



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 69.262+/-679.299 χ^2/NDF:1.6/1

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -446.604+/-692.606 χ^2/NDF:2.0/1

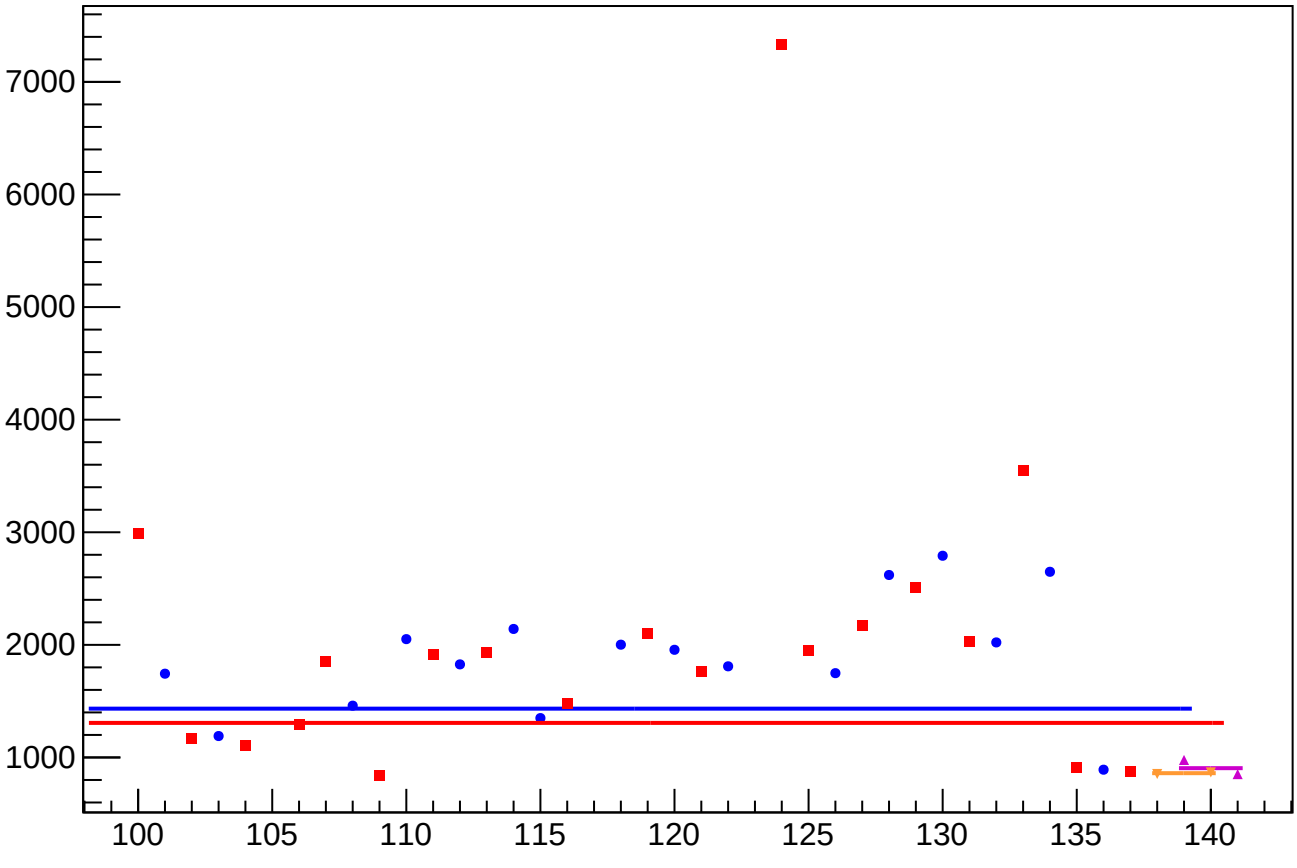
Left: -183.668+/-484.973 χ^2/NDF: 3.9/3

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: 457.663+/-440.860 χ^2/NDF:26.9/17

Out: -393.171+/-414.645 χ^2/NDF:15.9/20

All: 6.198+/-302.041 χ^2/NDF: 44.8/38



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 860.417+/-0.480 χ^2/NDF:224.2/1

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 904.868+/-0.490 χ^2/NDF:16072.8/1

Left: 882.212+/-0.343 χ^2/NDF: 20495.8/3

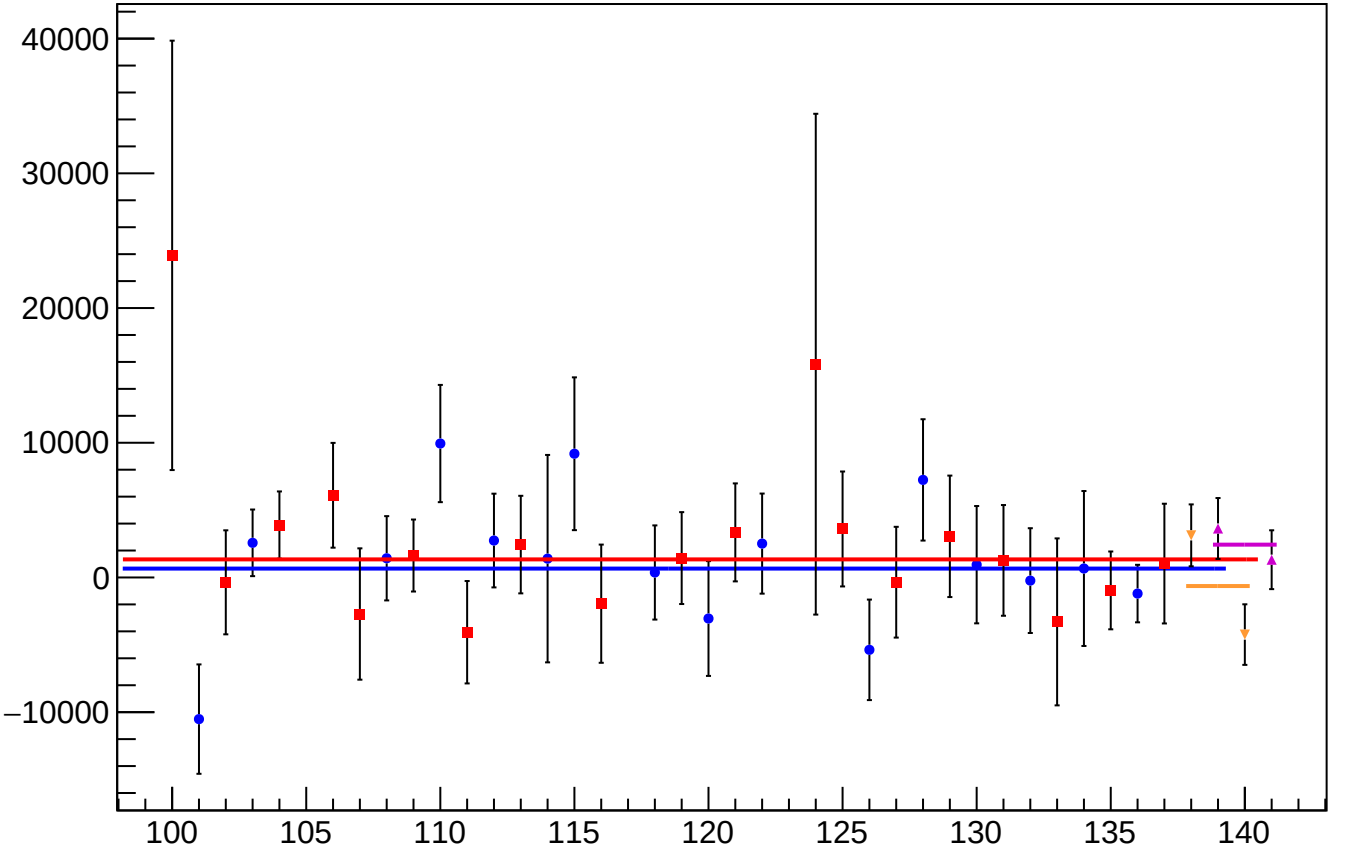
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 1219.313+/-0.312 χ^2/NDF:2472496.6/17

Out: 1140.532+/-0.293 χ^2/NDF:2726096.8/20

All: 1177.511+/-0.214 χ^2/NDF: 5232481.9/38

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -636.755+/-1606.961 χ^2/NDF:5.3/1

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 2436.071+/-1570.997 χ^2/NDF:0.5/1

Left: 934.428+/-1123.362 χ^2/NDF: 7.7/3

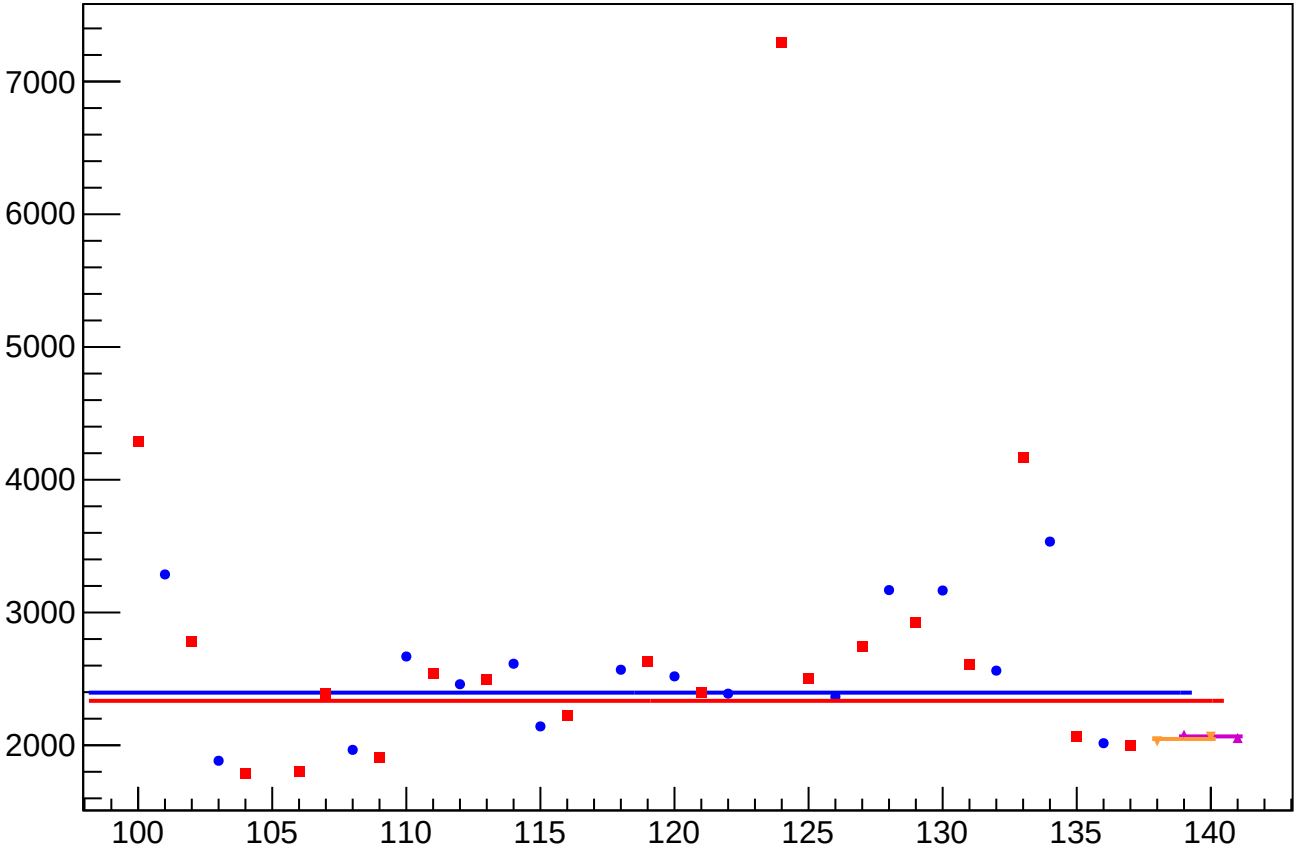
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 1105.488+/-787.156 χ^2/NDF:23.5/17

Out: 877.053+/-778.951 χ^2/NDF:17.2/20

All: 990.073+/-553.680 χ^2/NDF: 40.8/38

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2047.325+/-1.136 χ^2/NDF:237.0/1

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2066.470+/-1.111 χ^2/NDF:125.3/1

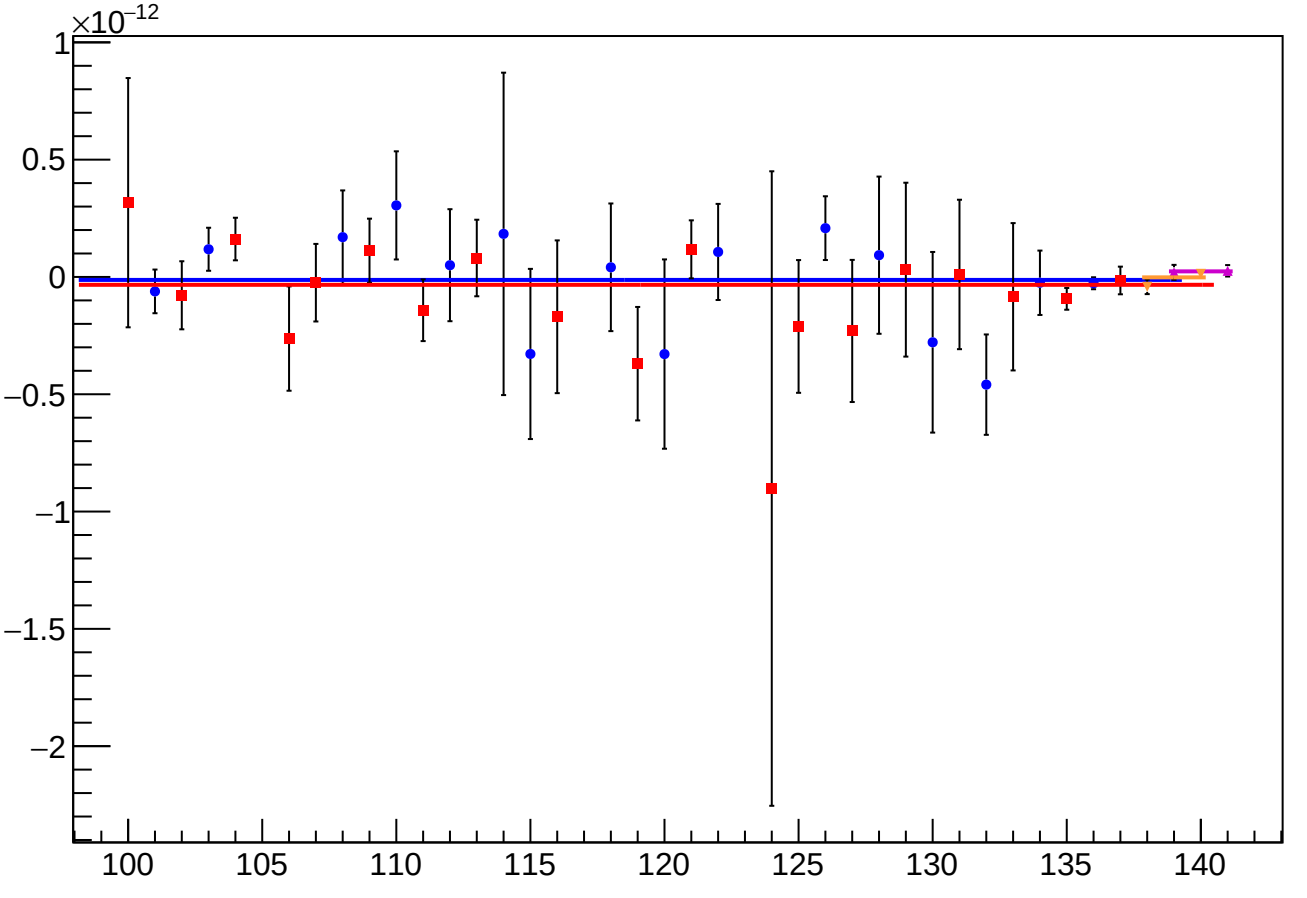
Left: 2057.114+/-0.794 χ^2/NDF: 507.4/3

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2313.476+/-0.557 χ^2/NDF:574037.9/17

Out: 2267.094+/-0.551 χ^2/NDF:730701.5/20

All: 2290.042+/-0.392 χ^2/NDF: 1308247.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

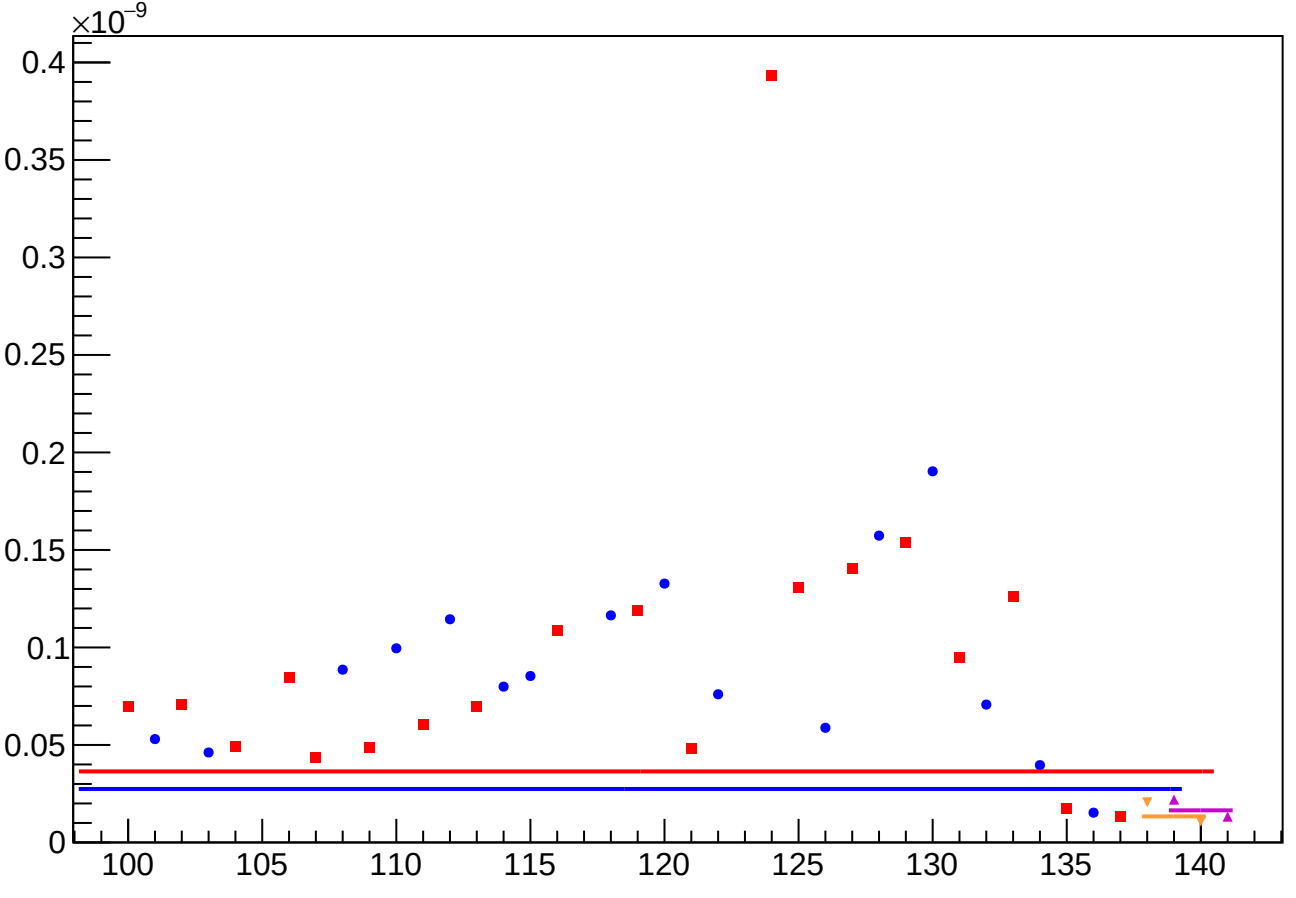
Left: 0.000+/-0.000 χ^2/NDF: 3.4/3

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: 0.000+/-0.000 χ^2/NDF:16.4/17

Out: -0.000+/-0.000 χ^2/NDF:18.5/20

All: -0.000+/-0.000 χ^2/NDF: 35.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:146882.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:94598.4/1

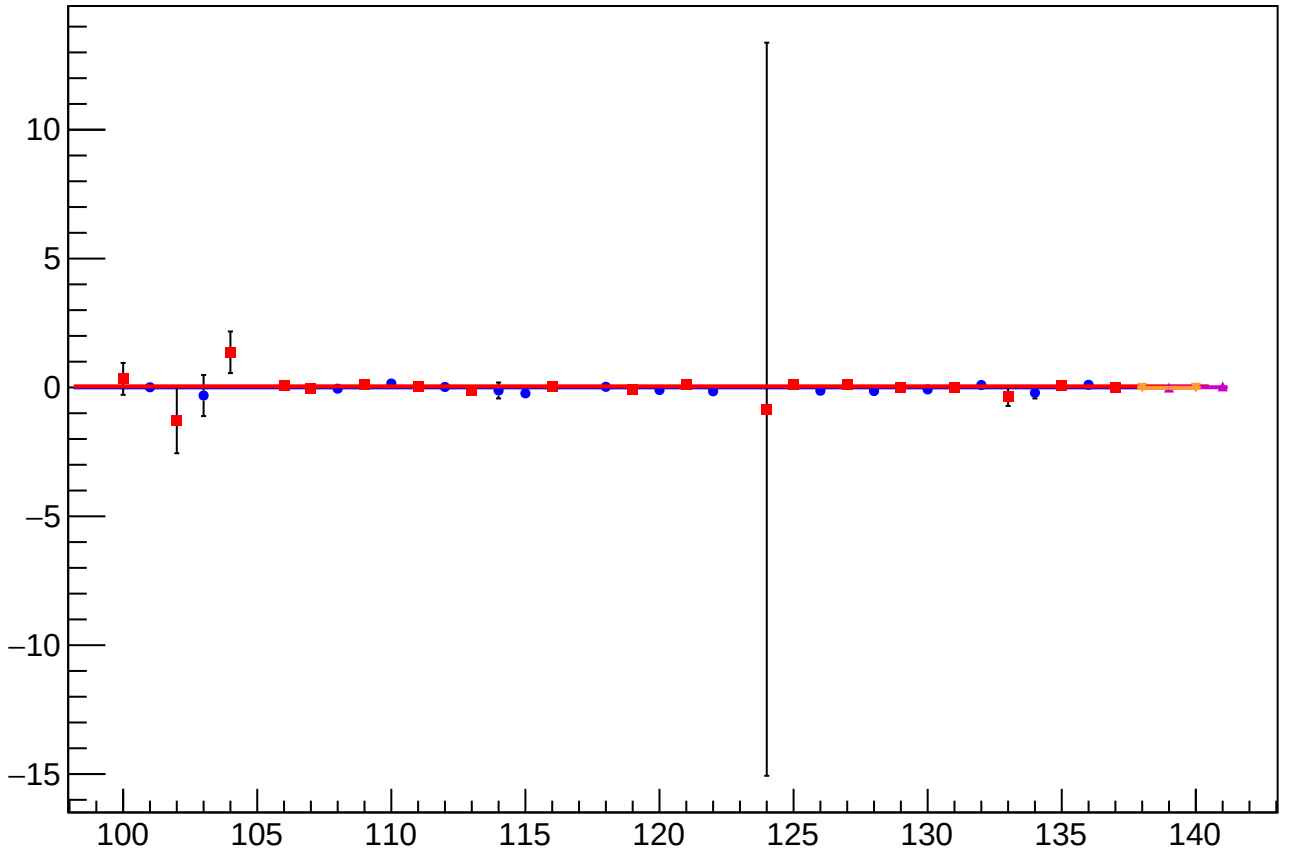
Left: 0.000+/-0.000 χ^2/NDF: 271749.4/3

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:3100228.5/17

Out: 0.000+/-0.000 χ^2/NDF:3609205.0/20

All: 0.000+/-0.000 χ^2/NDF: 6730713.8/38



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.017+/-0.040 χ^2/NDF:0.0/1

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.008+/-0.044 χ^2/NDF:0.2/1

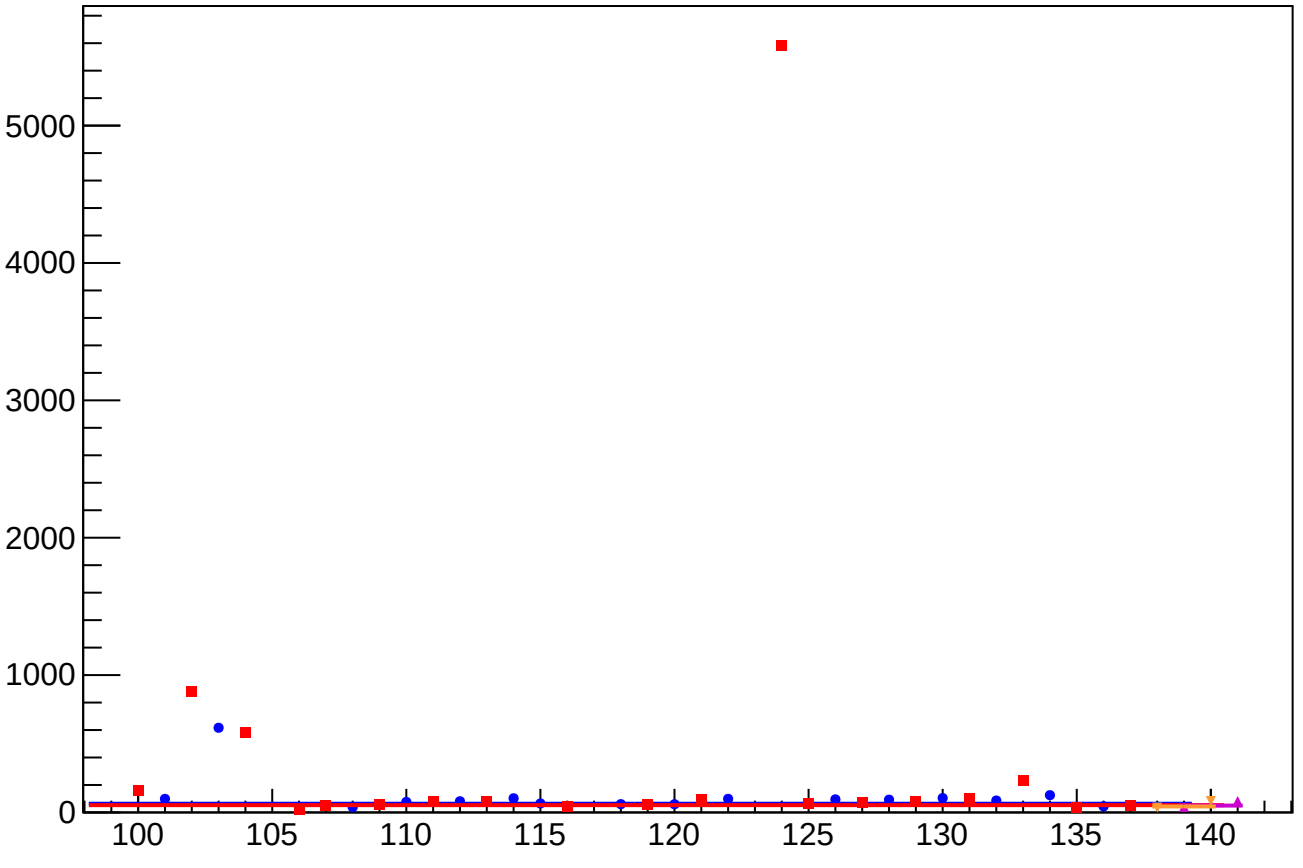
Left: -0.006+/-0.029 χ^2/NDF: 0.4/3

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.004+/-0.023 χ^2/NDF:13.5/17

Out: 0.027+/-0.021 χ^2/NDF:14.3/20

All: 0.017+/-0.016 χ^2/NDF: 28.3/38



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 43.724+/-0.028 χ^2/NDF:432172.9/1

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 50.119+/-0.031 χ^2/NDF:327935.7/1

Left: 46.636+/-0.021 χ^2/NDF: 783624.1/3

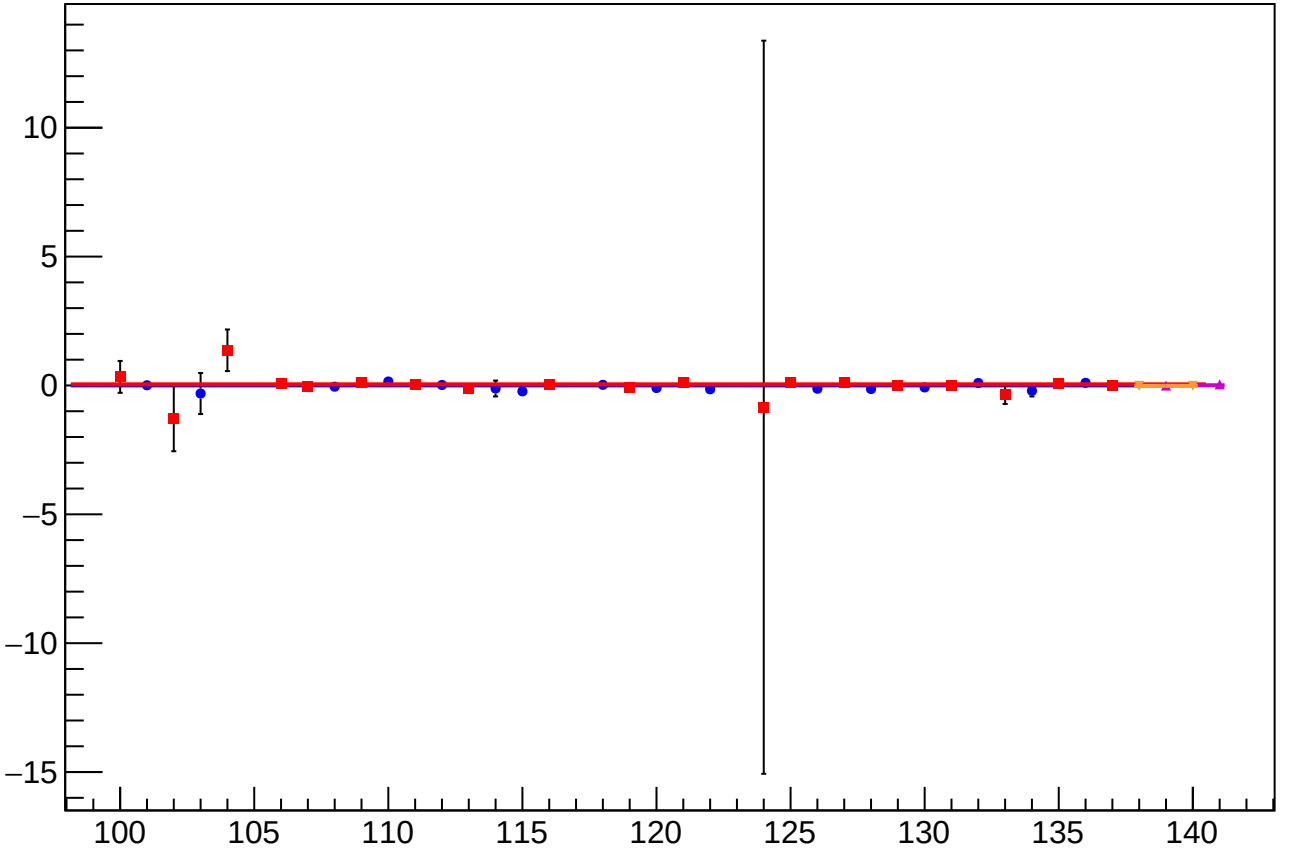
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.706+/-0.016 χ^2/NDF:2908160.7/17

Out: 50.549+/-0.015 χ^2/NDF:4459660.1/20

All: 54.713+/-0.011 χ^2/NDF: 7539587.0/38

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.017+/-0.040 χ^2/NDF:0.0/1

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.008+/-0.044 χ^2/NDF:0.2/1

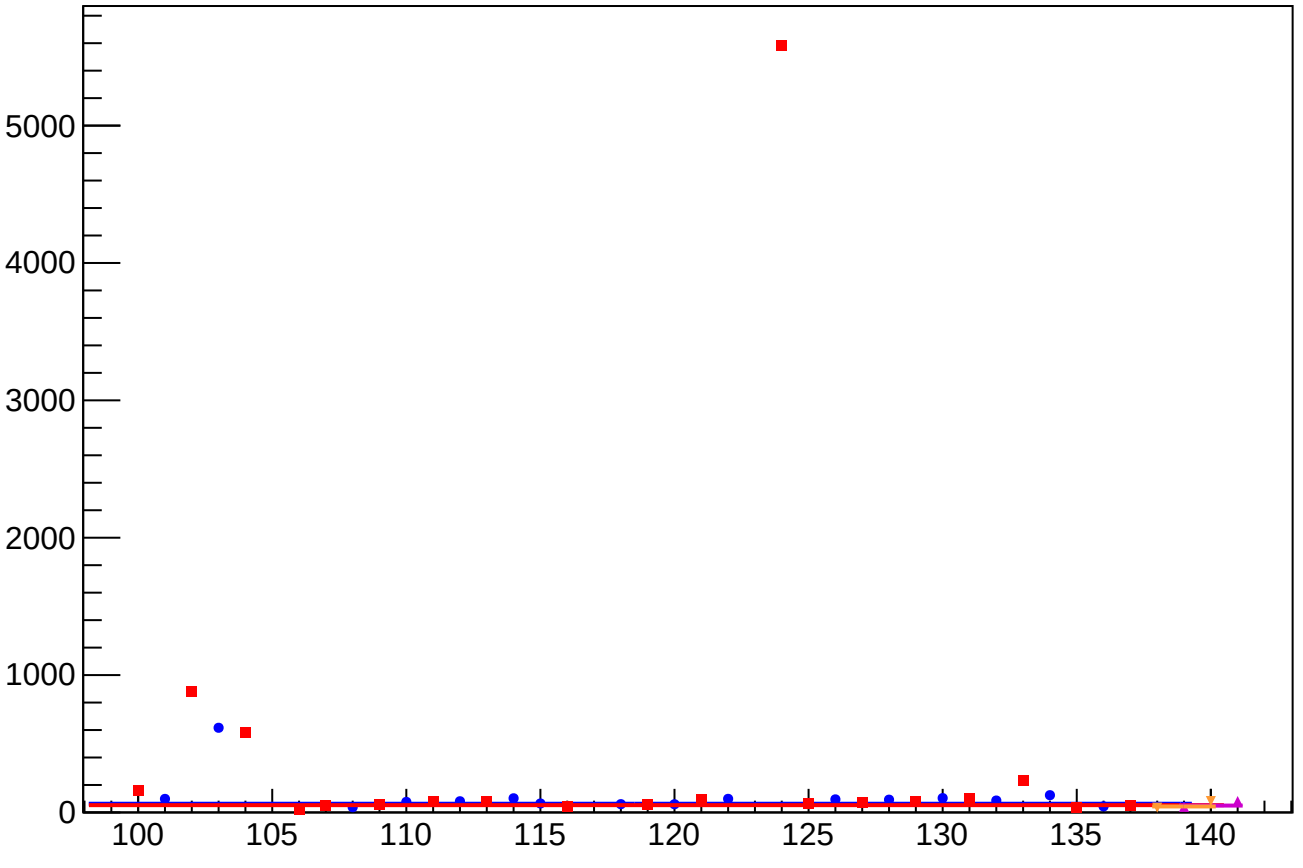
Left: -0.006+/-0.029 χ^2/NDF: 0.4/3

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.004+/-0.023 χ^2/NDF:13.5/17

Out: 0.027+/-0.021 χ^2/NDF:14.3/20

All: 0.017+/-0.016 χ^2/NDF: 28.3/38



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 43.724+/-0.028 χ^2/NDF:432172.9/1

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 50.119+/-0.031 χ^2/NDF:327935.7/1

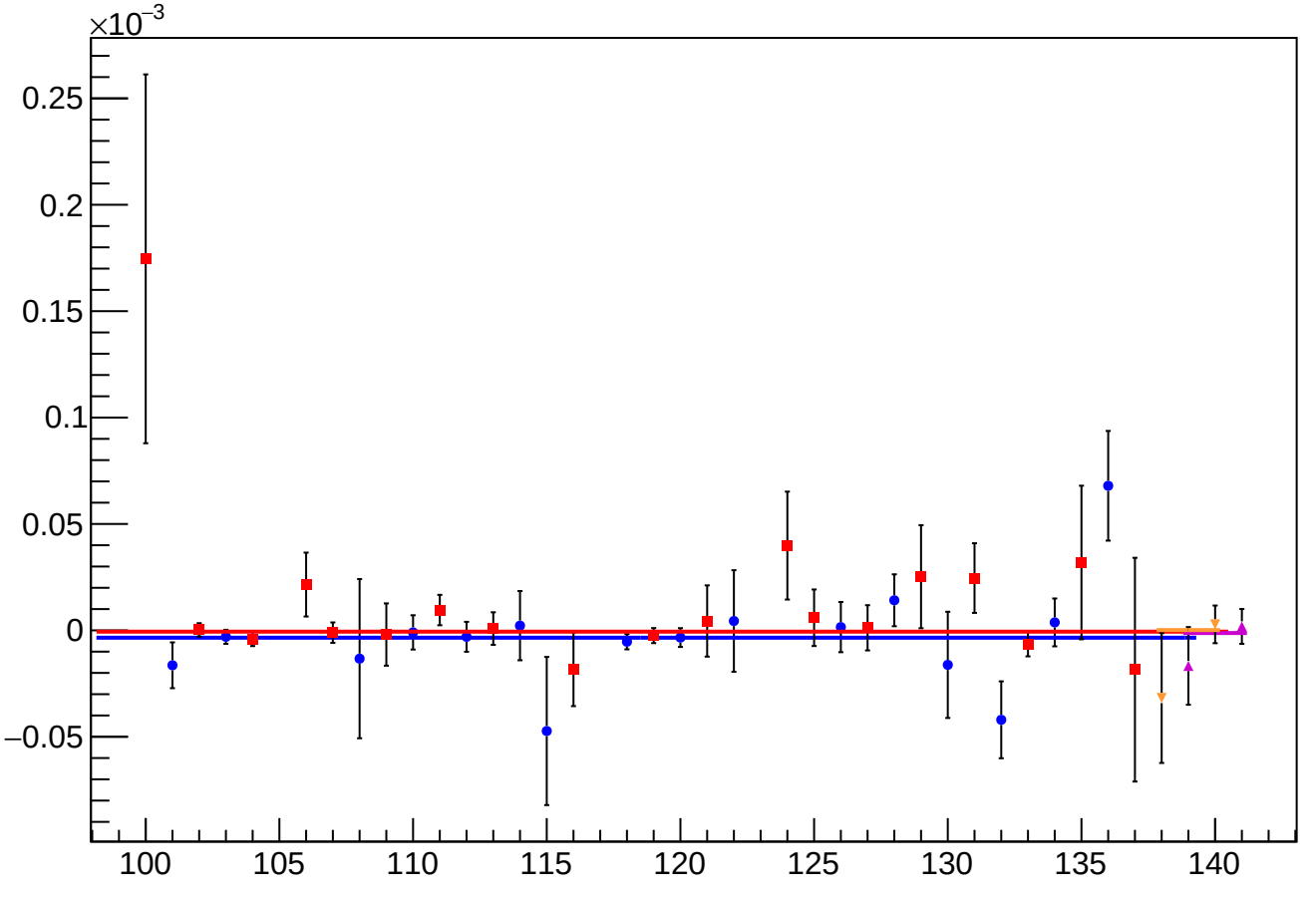
Left: 46.636+/-0.021 χ^2/NDF: 783624.1/3

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.706+/-0.016 χ^2/NDF:2908160.7/17

Out: 50.549+/-0.015 χ^2/NDF:4459660.1/20

All: 54.713+/-0.011 χ^2/NDF: 7539587.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

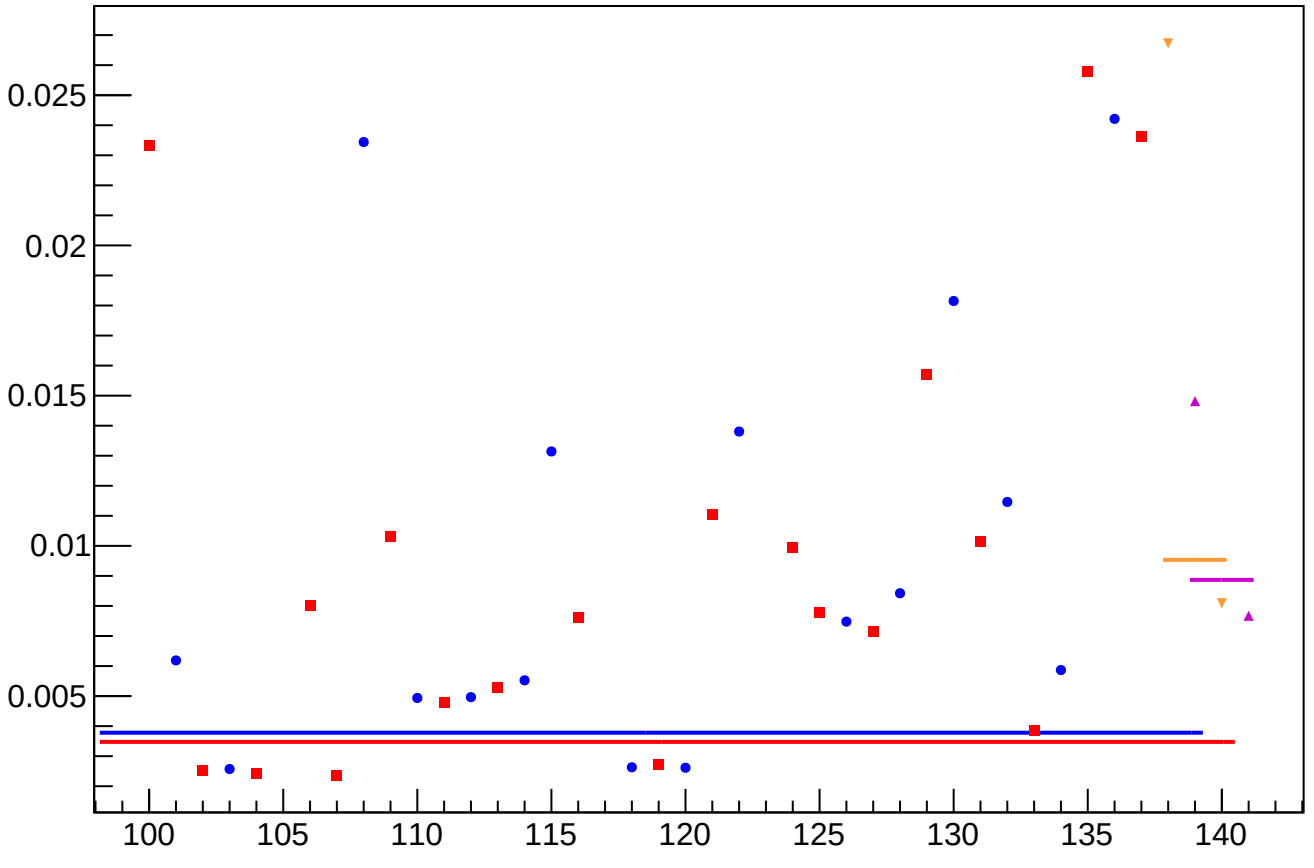
Left: -0.000+/-0.000 χ^2/NDF: 2.1/3

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:19.8/17

Out: -0.000+/-0.000 χ^2/NDF:20.3/20

All: -0.000+/-0.000 χ^2/NDF: 41.6/38



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.010+/-0.000 χ^2/NDF:688241.0/1

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.009+/-0.000 χ^2/NDF:254851.0/1

Left: 0.009+/-0.000 χ^2/NDF: 950032.2/3

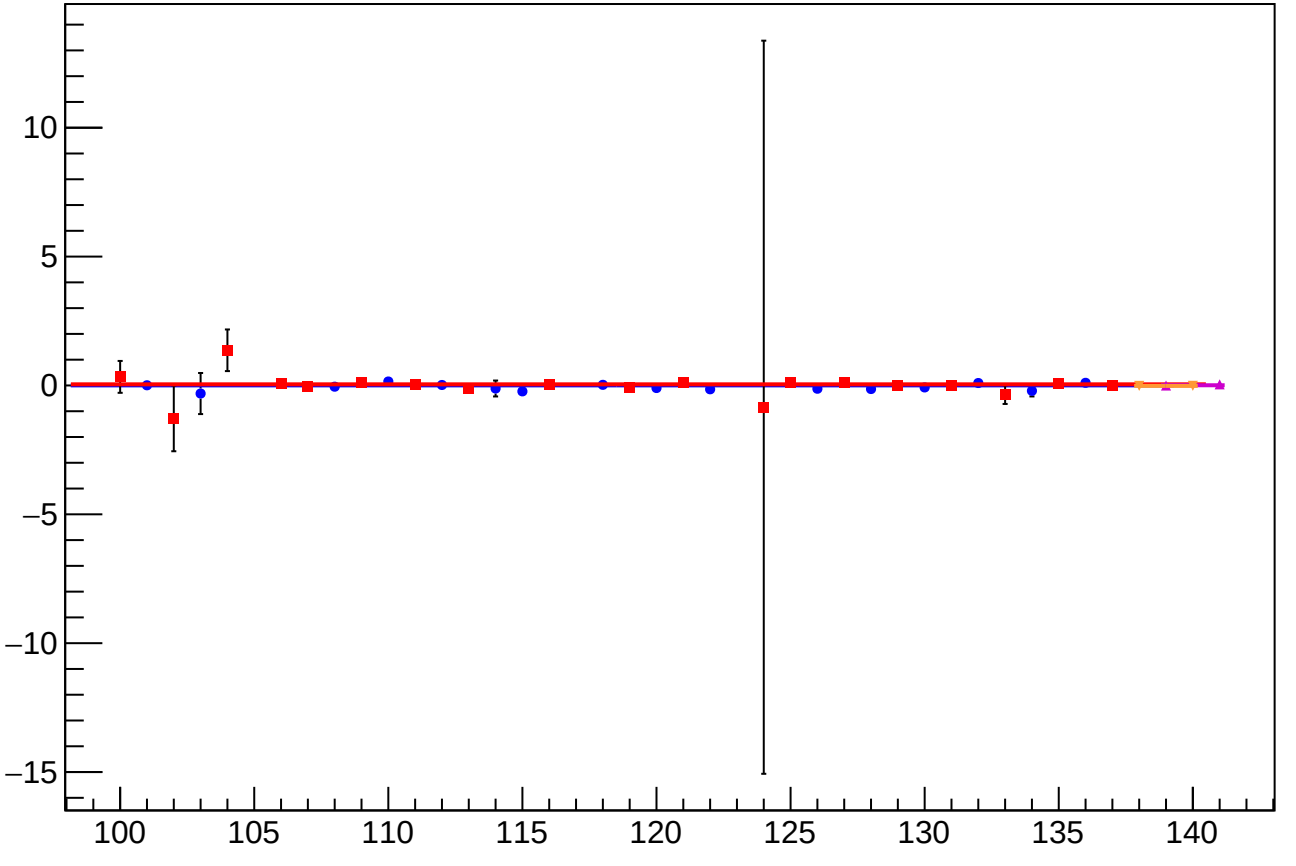
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:5850302.7/17

Out: 0.004+/-0.000 χ^2/NDF:6168042.0/20

All: 0.004+/-0.000 χ^2/NDF: 12076517.3/38

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.017+/-0.040 χ^2/NDF:0.0/1

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.008+/-0.044 χ^2/NDF:0.2/1

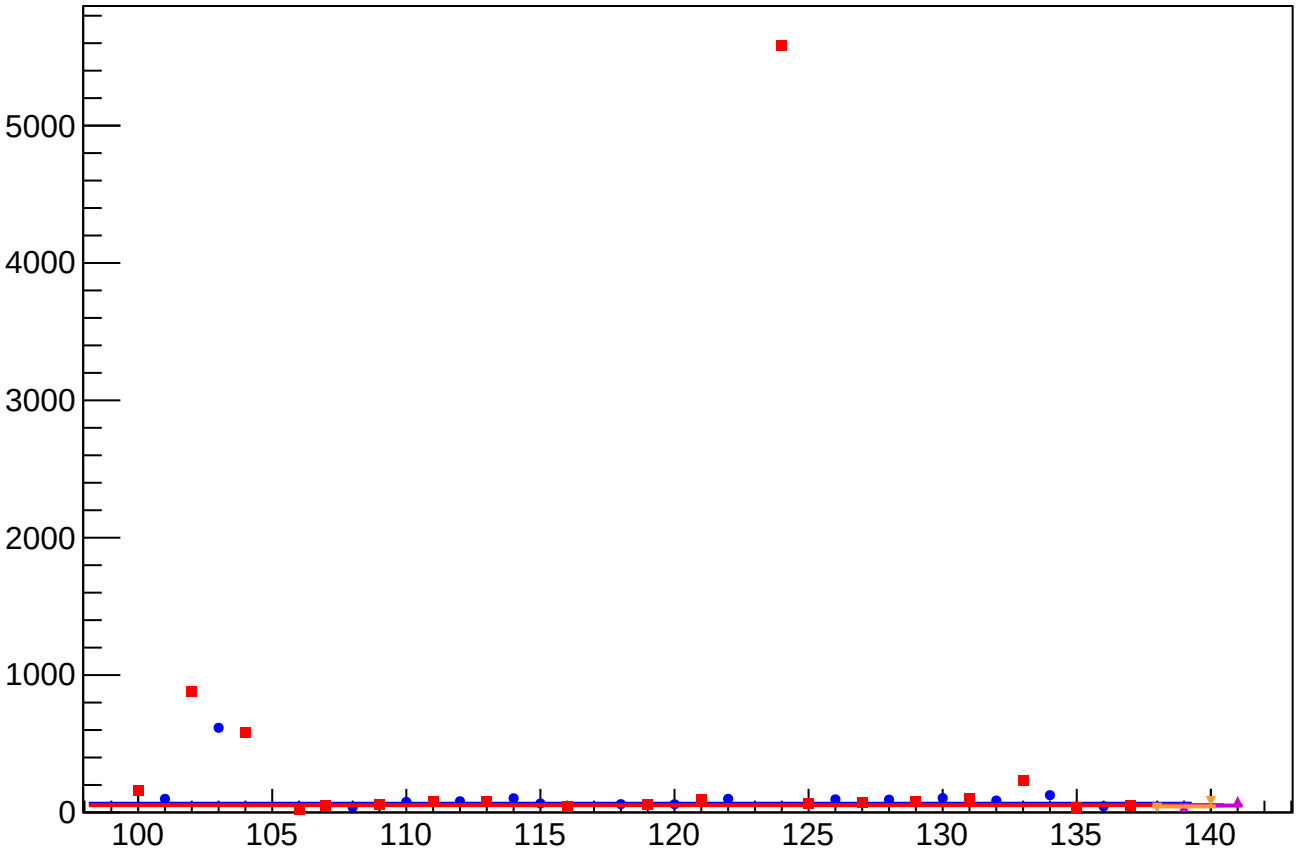
Left: -0.006+/-0.029 χ^2/NDF: 0.4/3

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.004+/-0.023 χ^2/NDF:13.5/17

Out: 0.027+/-0.021 χ^2/NDF:14.3/20

All: 0.017+/-0.016 χ^2/NDF: 28.3/38



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 43.725+/-0.028 χ^2/NDF:432226.4/1

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 50.131+/-0.031 χ^2/NDF:327802.1/1

Left: 46.642+/-0.021 χ^2/NDF: 783621.2/3

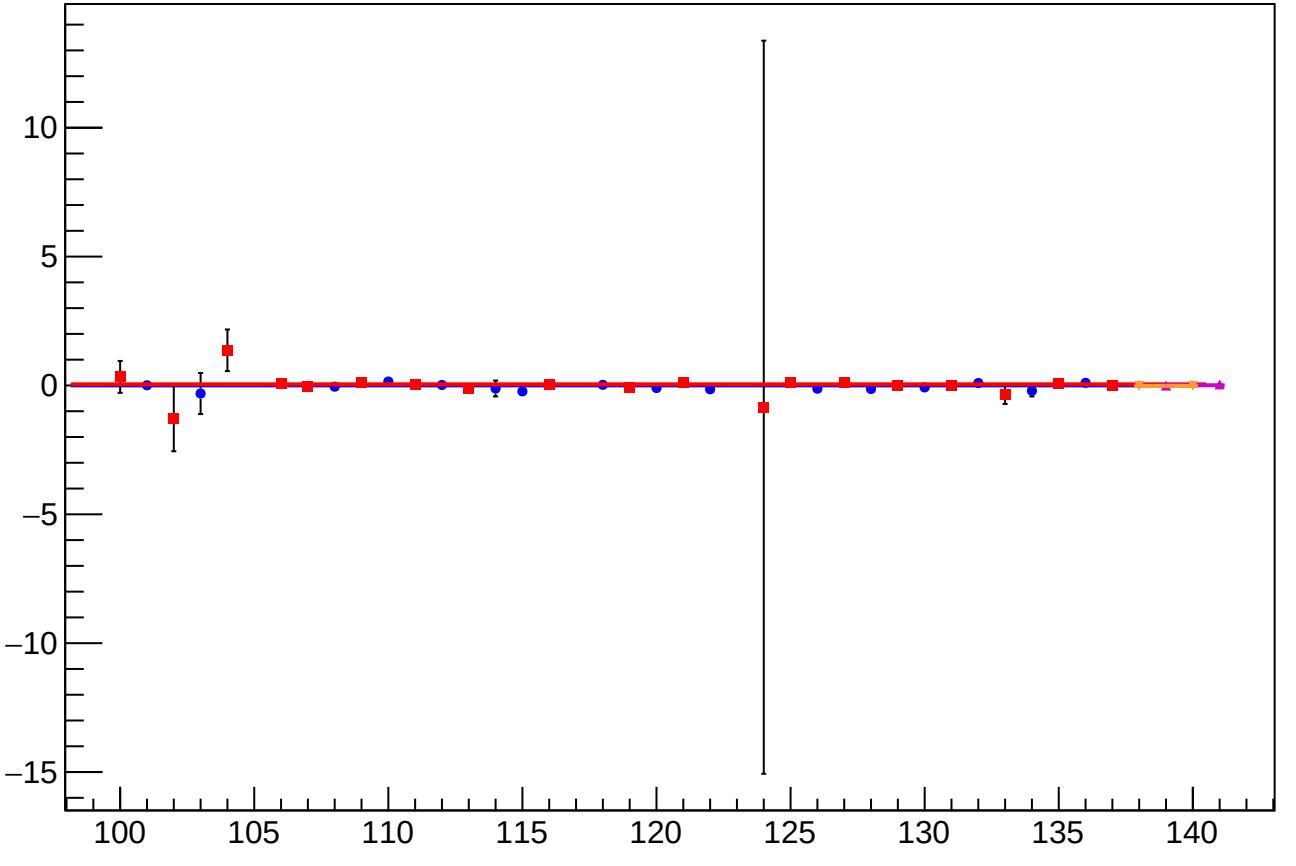
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.716+/-0.016 χ^2/NDF:2907026.7/17

Out: 50.546+/-0.015 χ^2/NDF:4460160.9/20

All: 54.715+/-0.011 χ^2/NDF: 7539436.6/38

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.017+/-0.040 χ^2/NDF:0.0/1

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.008+/-0.044 χ^2/NDF:0.2/1

Left: -0.006+/-0.029 χ^2/NDF: 0.4/3

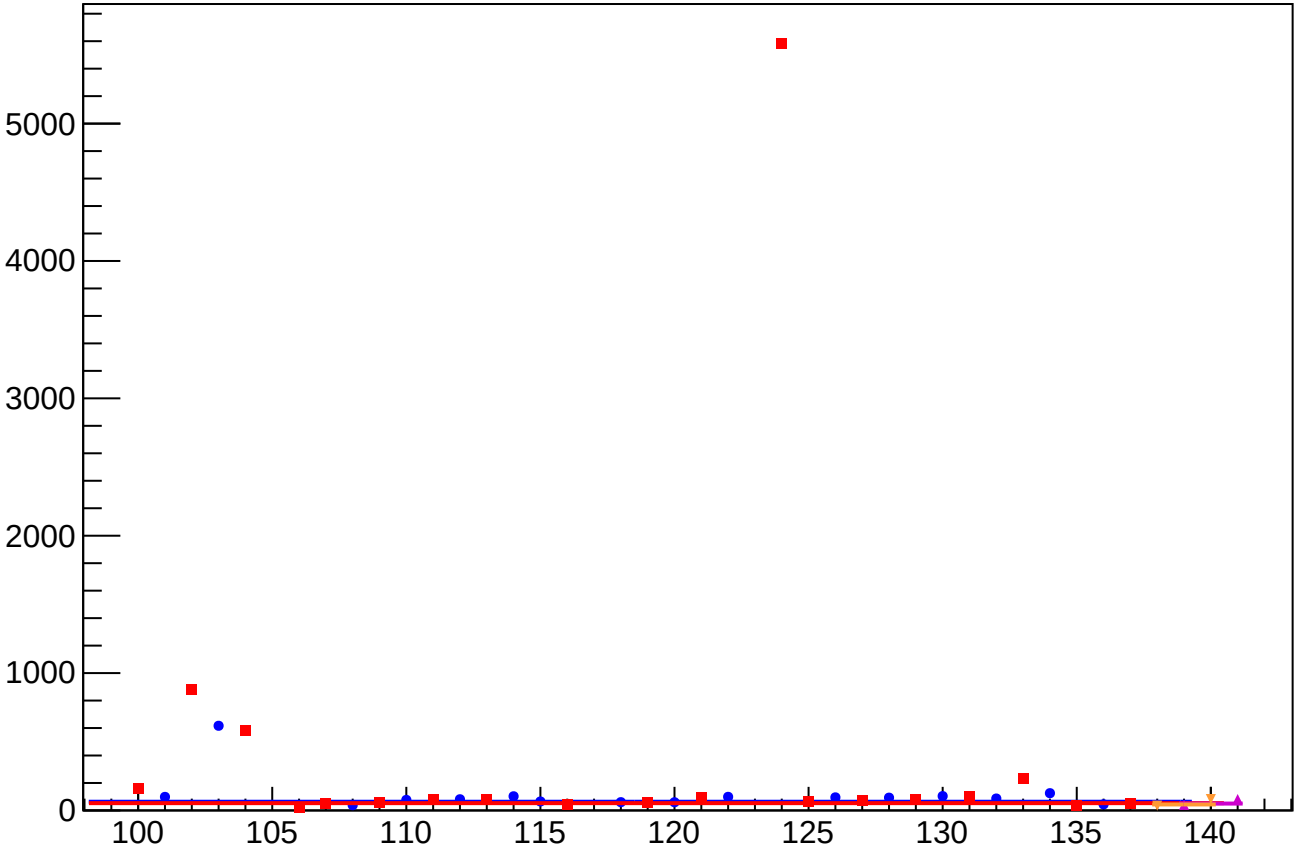
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.004+/-0.023 χ^2/NDF:13.5/17

Out: 0.027+/-0.021 χ^2/NDF:14.3/20

All: 0.017+/-0.016 χ^2/NDF: 28.3/38

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 43.725+/-0.028 χ^2/NDF:432226.4/1

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 50.131+/-0.031 χ^2/NDF:327802.1/1

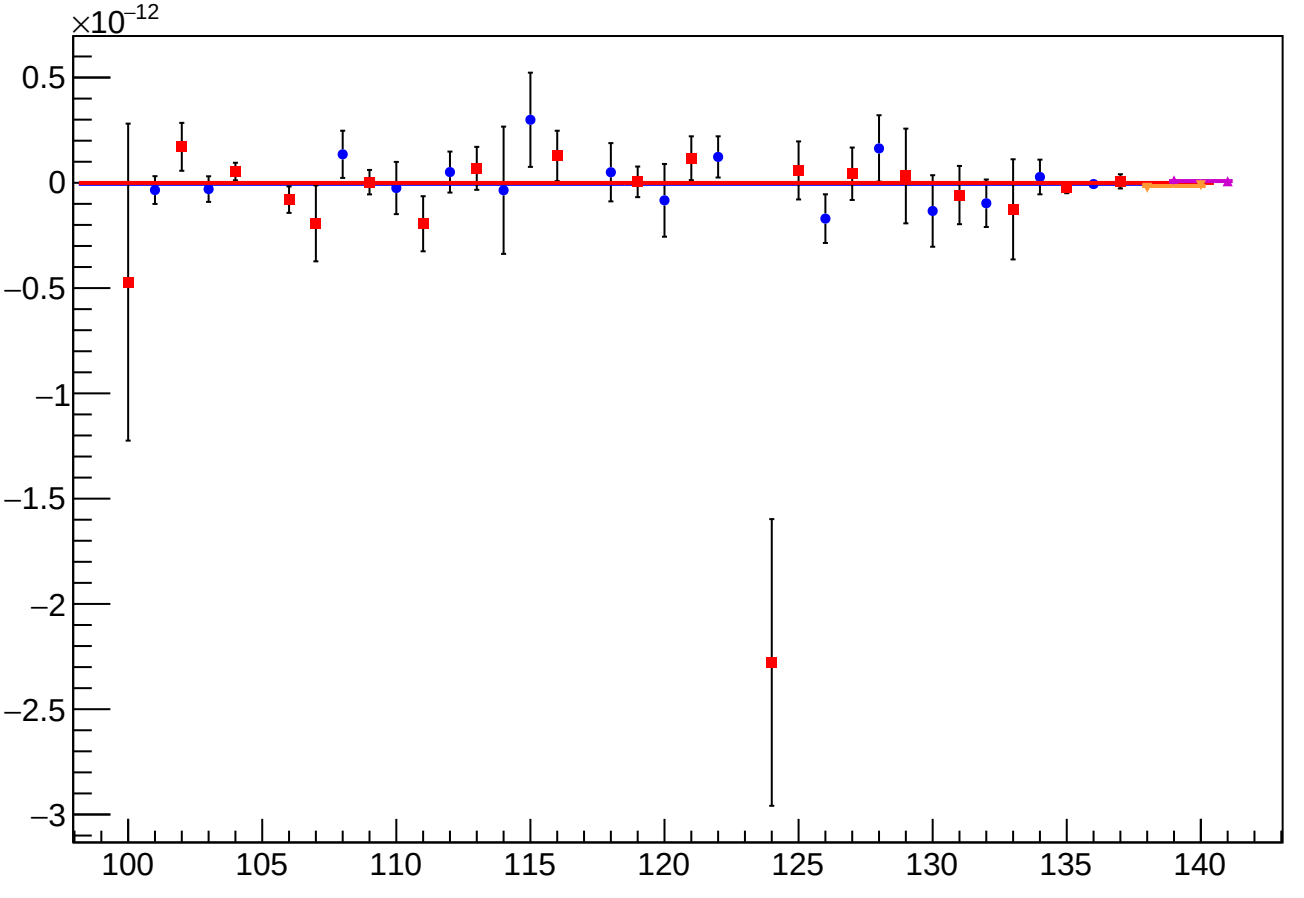
Left: 46.642+/-0.021 χ^2/NDF: 783621.2/3

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.716+/-0.016 χ^2/NDF:2907026.7/17

Out: 50.546+/-0.015 χ^2/NDF:4460160.9/20

All: 54.715+/-0.011 χ^2/NDF: 7539436.6/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

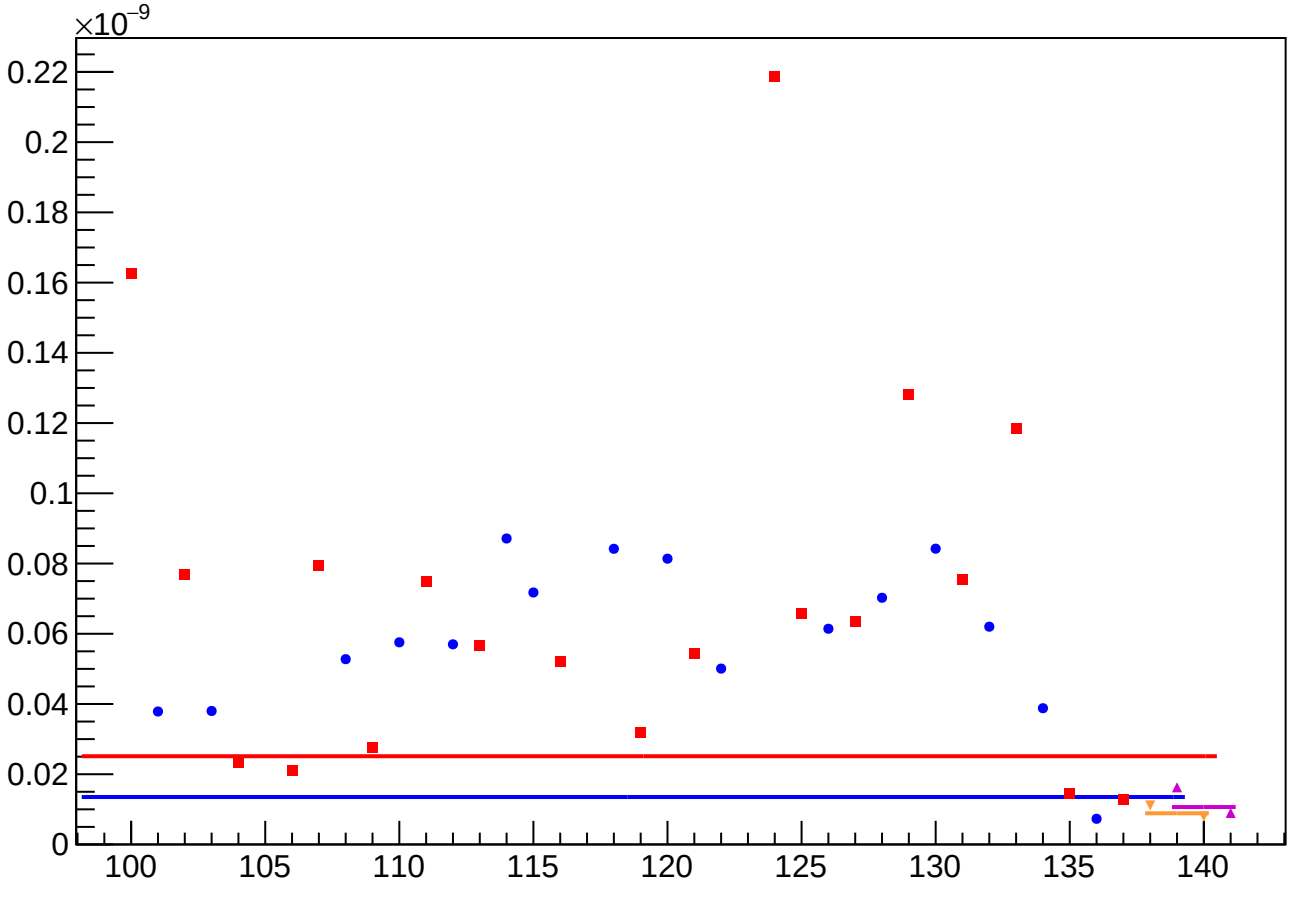
Left: -0.000+/-0.000 χ^2/NDF: 3.4/3

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:11.7/17

Out: -0.000+/-0.000 χ^2/NDF:26.2/20

All: -0.000+/-0.000 χ^2/NDF: 39.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:56790.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:169193.6/1

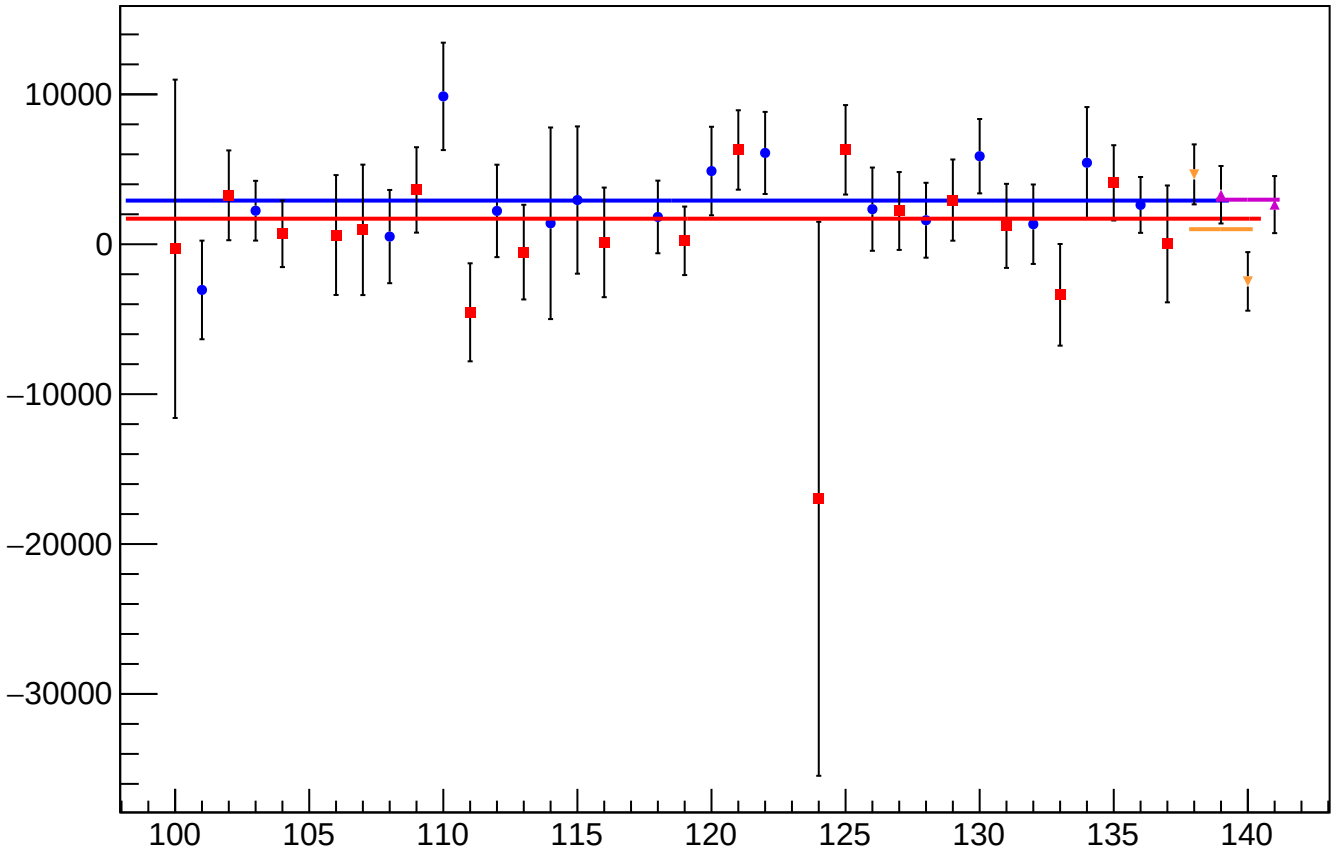
Left: 0.000+/-0.000 χ^2/NDF: 260069.0/3

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5237961.4/17

Out: 0.000+/-0.000 χ^2/NDF:5389159.1/20

All: 0.000+/-0.000 χ^2/NDF: 10638431.1/38



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1004.733+/-1397.981 χ^2/NDF:6.5/1

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2972.476+/-1350.895 χ^2/NDF:0.1/1

Left: 2022.300+/-971.447 χ^2/NDF: 7.6/3

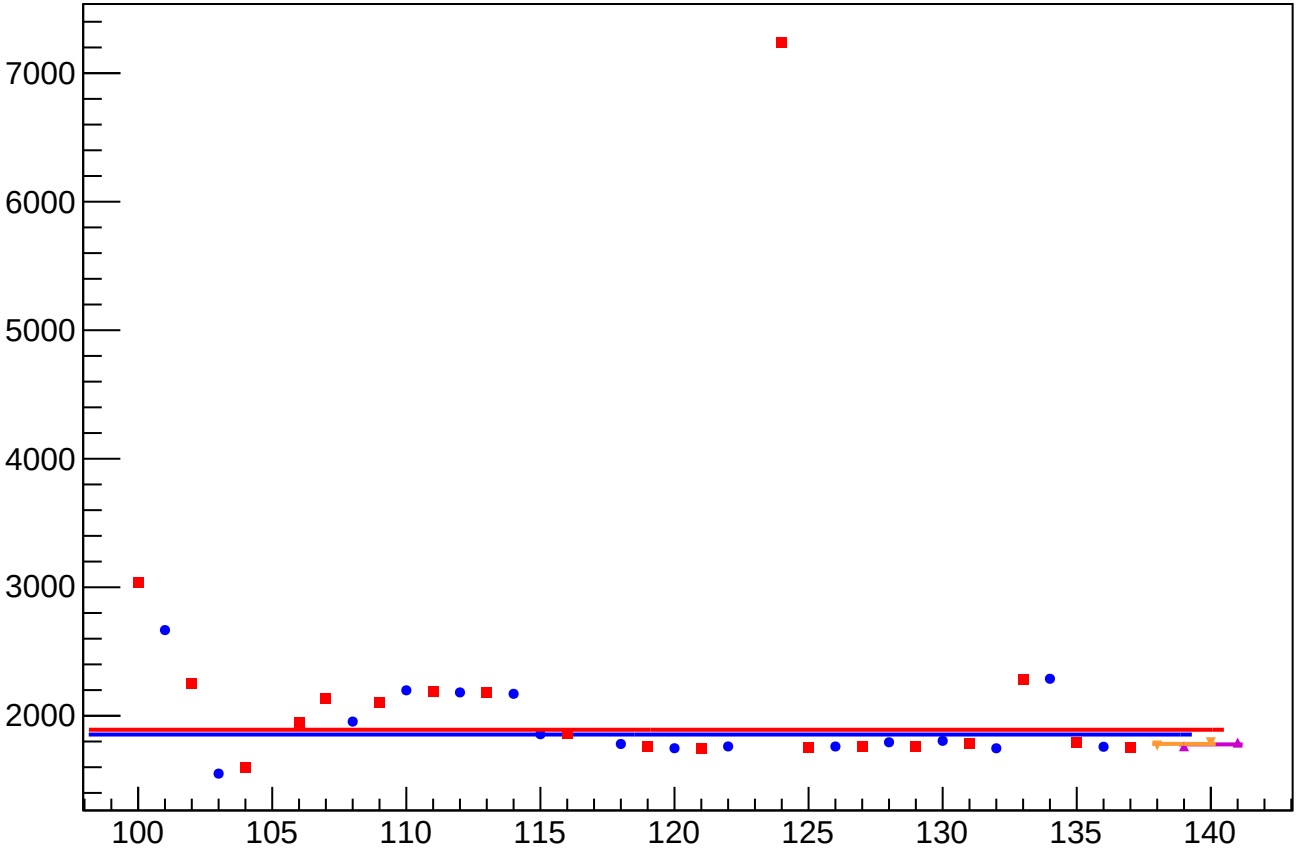
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2925.442+/-618.051 χ^2/NDF:12.5/17

Out: 1562.349+/-630.798 χ^2/NDF:22.5/20

All: 2257.807+/-441.466 χ^2/NDF: 37.4/38

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1781.328+/-0.989 χ^2/NDF:168.0/1

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1777.562+/-0.955 χ^2/NDF:217.4/1

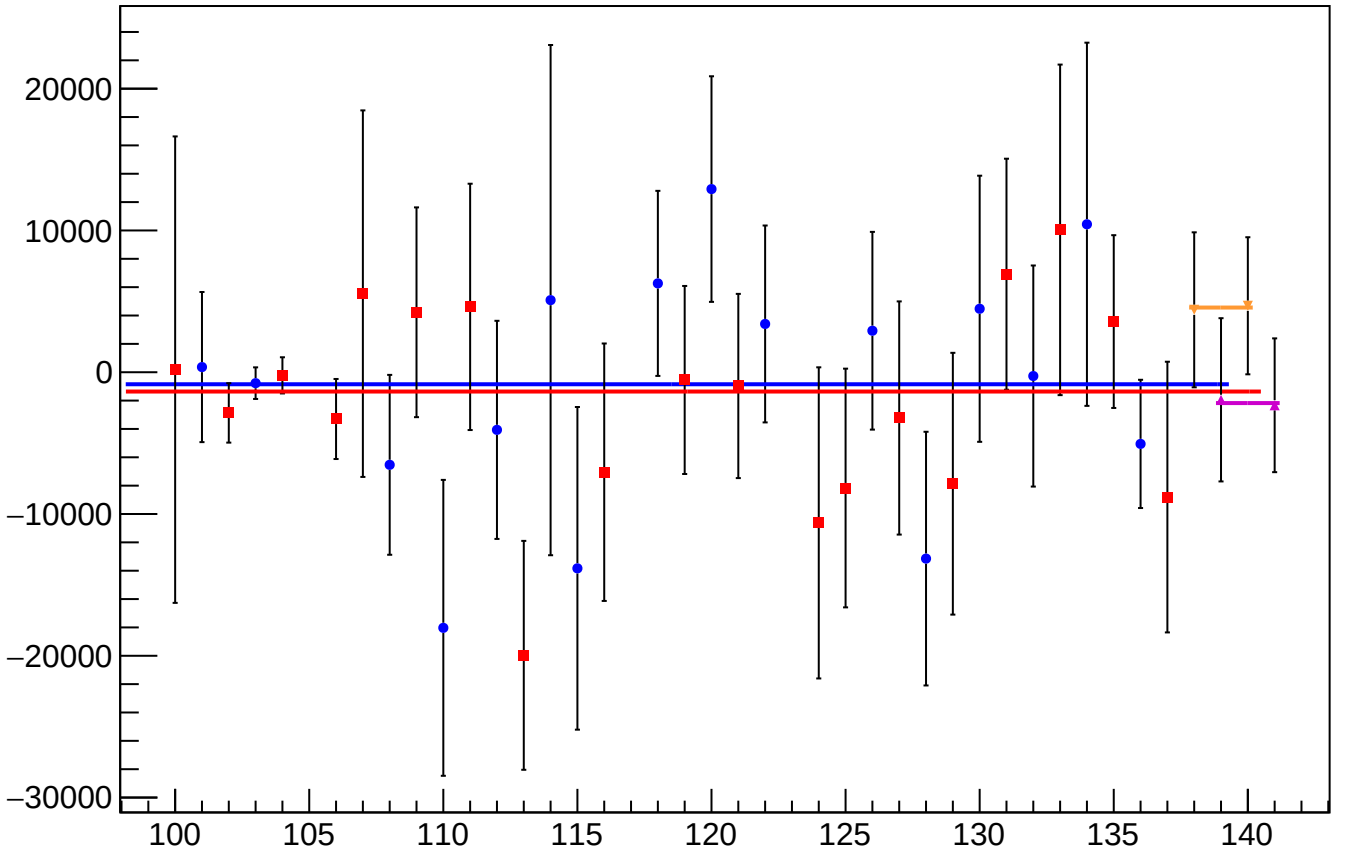
Left: 1779.381+/-0.687 χ^2/NDF: 392.9/3

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1838.248+/-0.437 χ^2/NDF:268644.6/17

Out: 1869.127+/-0.445 χ^2/NDF:374114.7/20

All: 1853.401+/-0.312 χ^2/NDF: 645209.2/38



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 4562.432+/-3621.161 χ^2/NDF:0.0/1

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: -2175.480+/-3649.437 χ^2/NDF:0.0/1

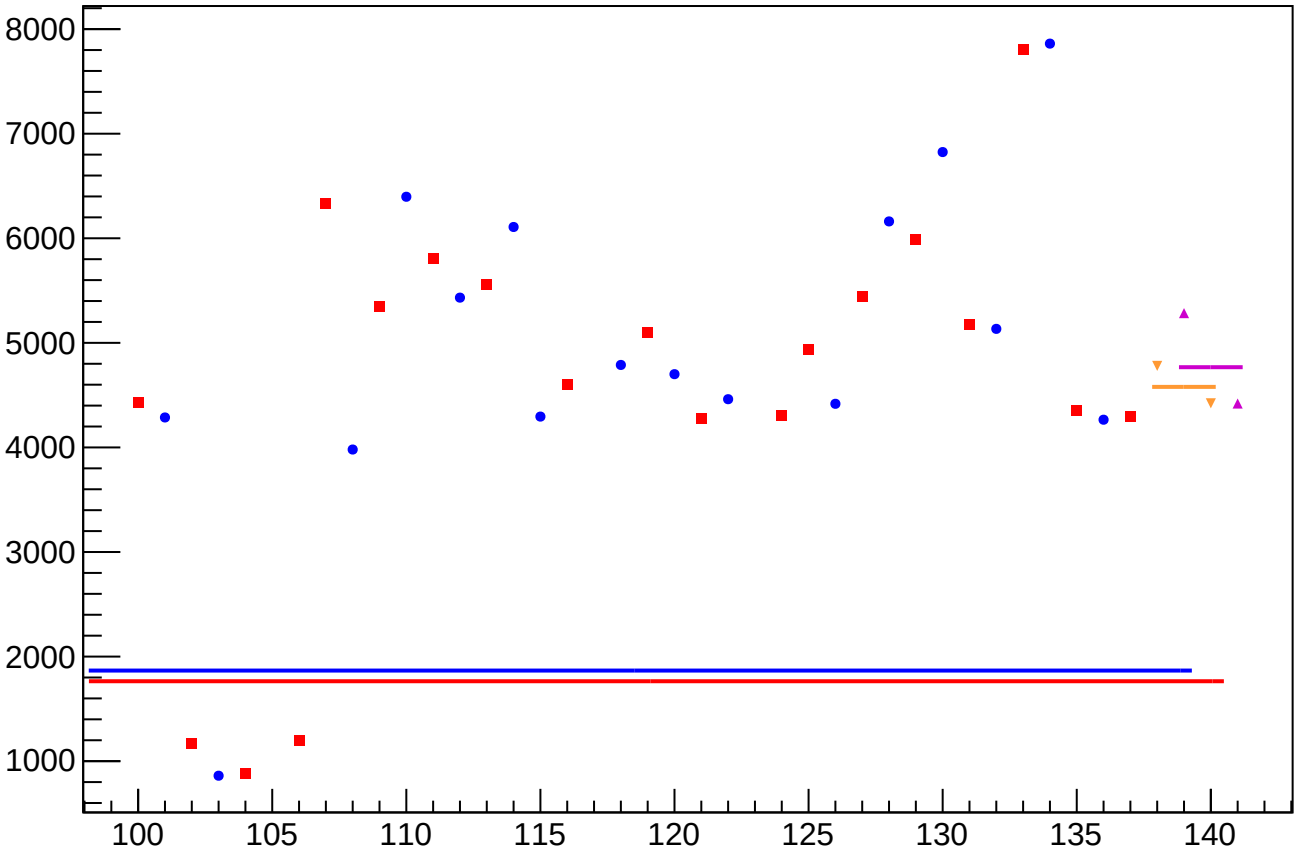
Left: 1219.679+/-2570.486 χ^2/NDF: 1.7/3

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -934.381+/-931.055 χ^2/NDF:14.0/17

Out: -1005.315+/-887.961 χ^2/NDF:16.5/20

All: -971.528+/-642.578 χ^2/NDF: 30.5/38



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4578.989+/-2.561 χ^2/NDF:4808.3/1

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4767.225+/-2.581 χ^2/NDF:26962.7/1

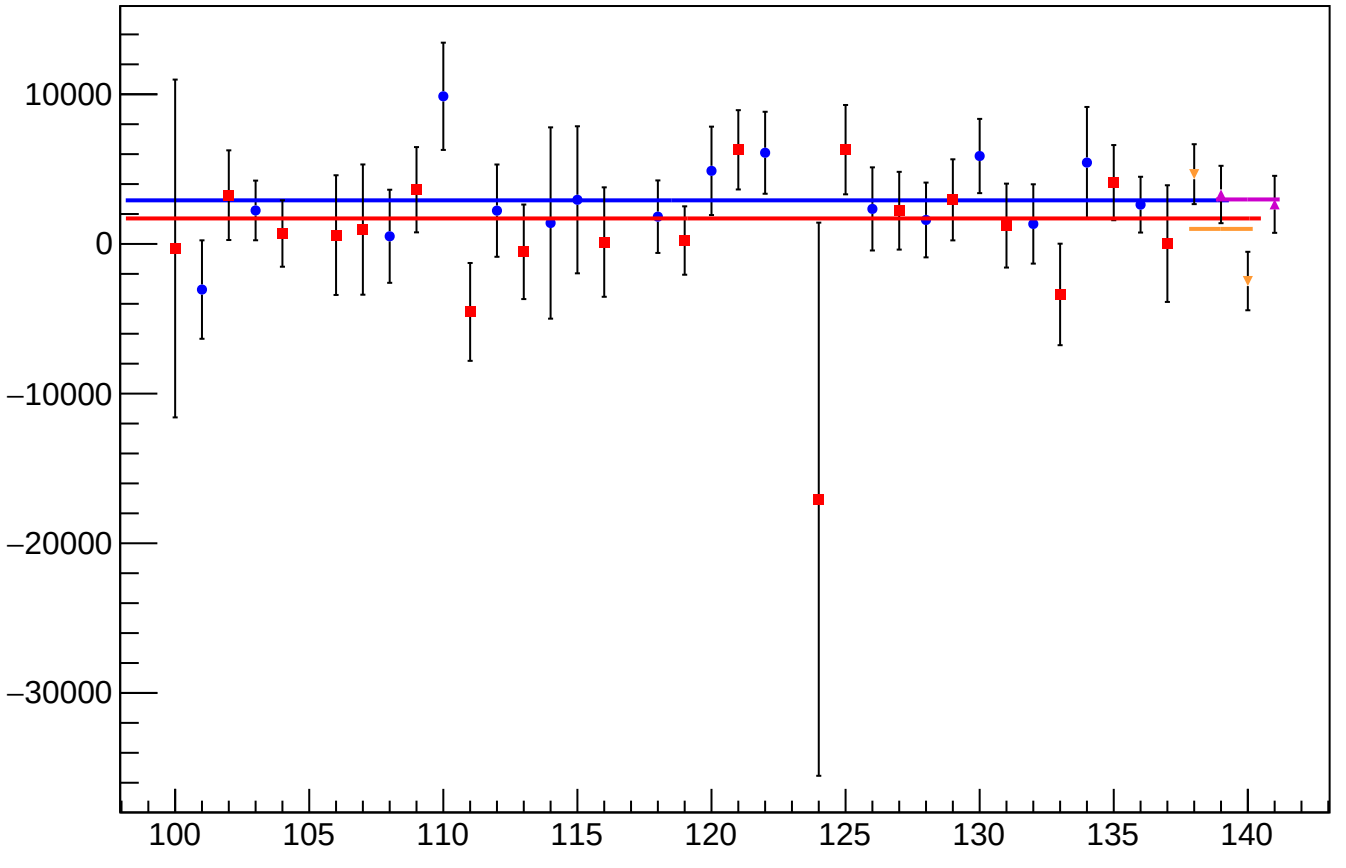
Left: 4672.375+/-1.818 χ^2/NDF: 34452.1/3

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2055.213+/-0.658 χ^2/NDF:8057983.8/17

Out: 1933.530+/-0.628 χ^2/NDF:7575328.9/20

All: 1991.490+/-0.454 χ^2/NDF: 15651202.4/3



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1004.783+/-1397.981 χ^2/NDF:6.5/1

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2972.863+/-1350.895 χ^2/NDF:0.1/1

Left: 2022.524+/-971.447 χ^2/NDF: 7.6/3

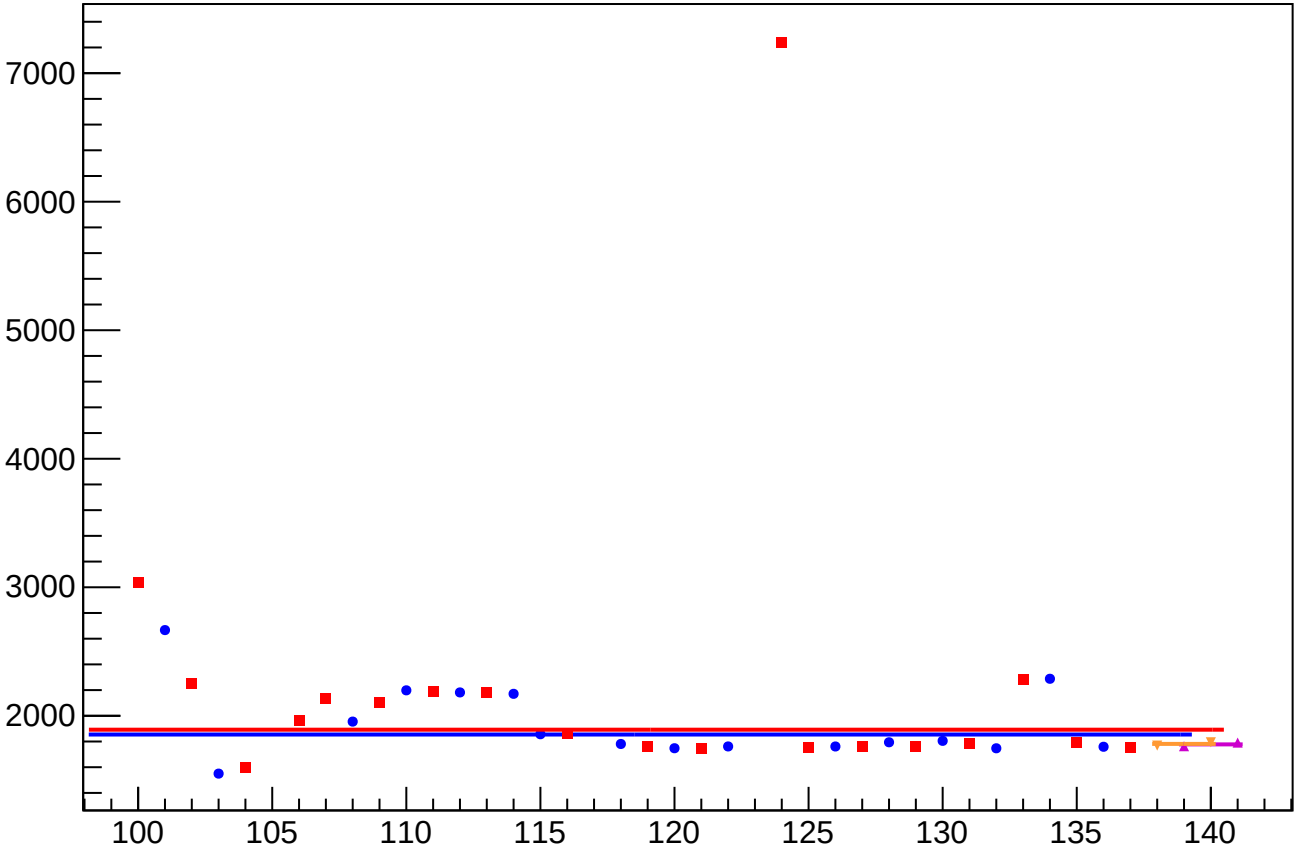
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2925.602+/-618.051 χ^2/NDF:12.5/17

Out: 1561.259+/-630.799 χ^2/NDF:22.5/20

All: 2257.356+/-441.466 χ^2/NDF: 37.4/38

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1781.328+/-0.989 χ^2/NDF:168.0/1

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1777.562+/-0.955 χ^2/NDF:217.4/1

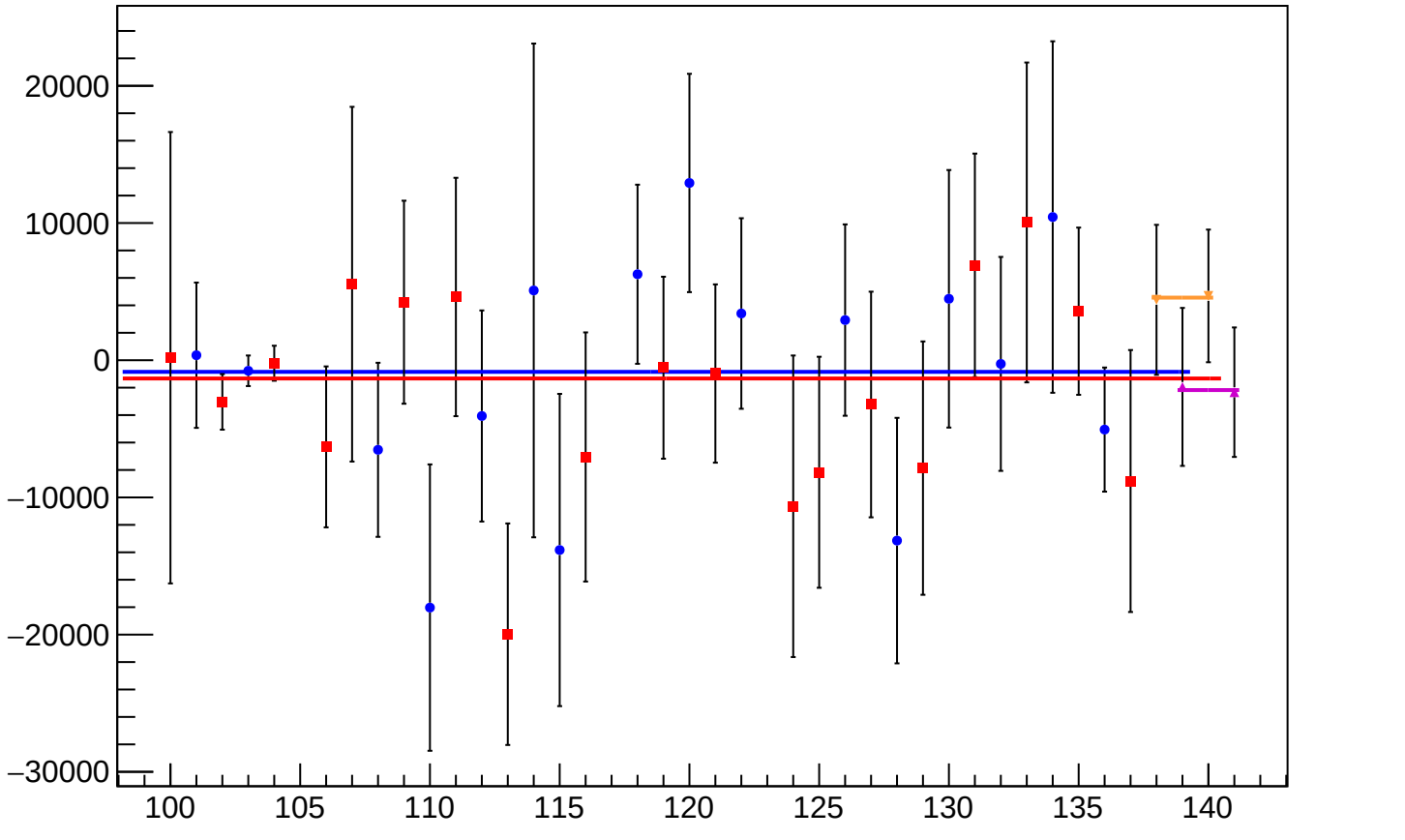
Left: 1779.381+/-0.687 χ^2/NDF: 392.9/3

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1838.248+/-0.437 χ^2/NDF:268644.5/17

Out: 1869.484+/-0.445 χ^2/NDF:374437.9/20

All: 1853.573+/-0.312 χ^2/NDF: 645588.8/38



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 4562.325+/-3621.155 χ^2/NDF:0.0/1

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -2175.352+/-3649.437 χ^2/NDF:0.0/1

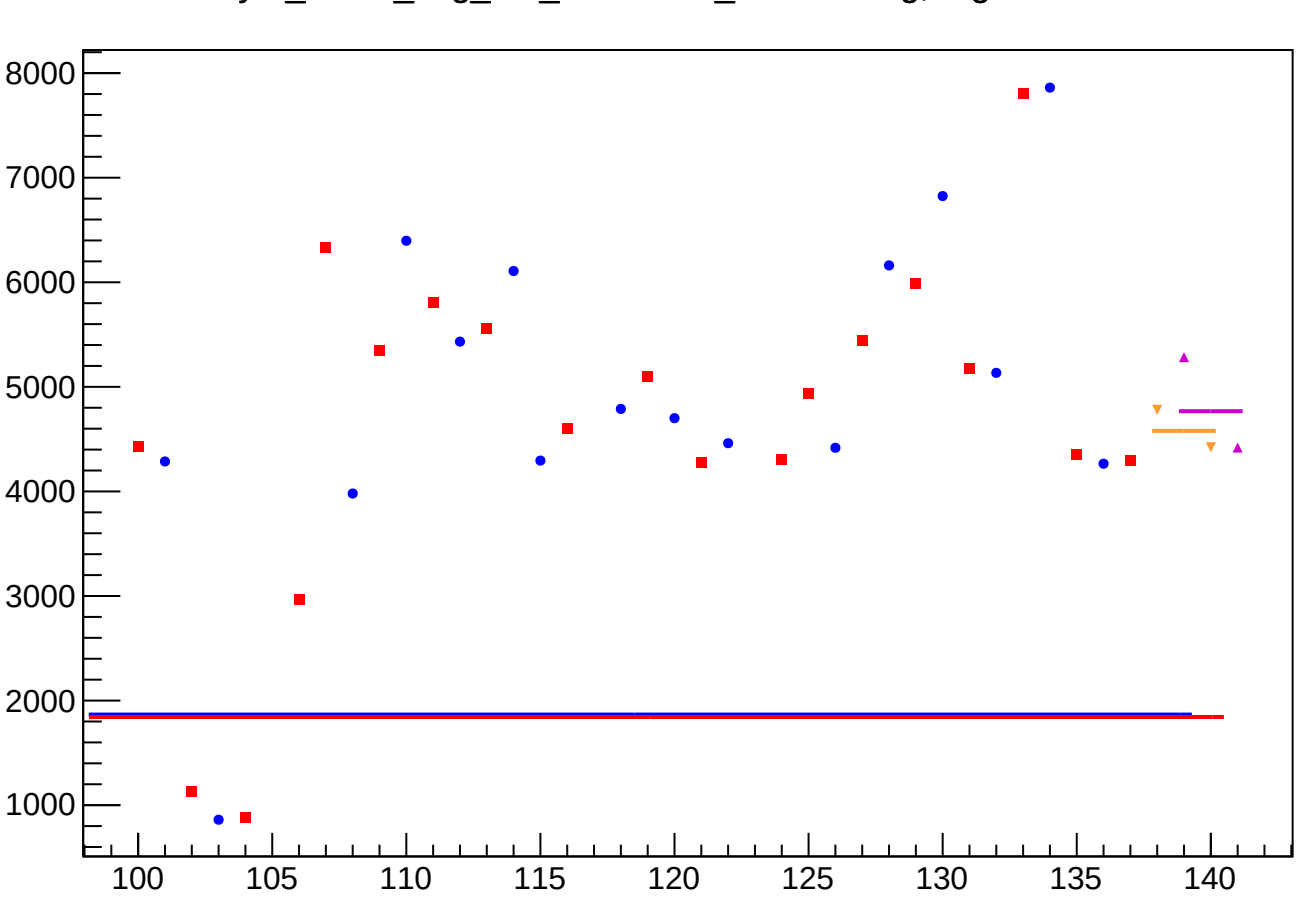
Left: 1219.695+/-2570.484 χ^2/NDF: 1.7/3

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -933.921+/-931.007 χ^2/NDF:14.0/17

Out: -953.224+/-917.241 χ^2/NDF:16.9/20

All: -943.716+/-653.400 χ^2/NDF: 30.9/38



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4578.981+/-2.561 χ^2/NDF:4808.8/1

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4767.225+/-2.581 χ^2/NDF:26963.2/1

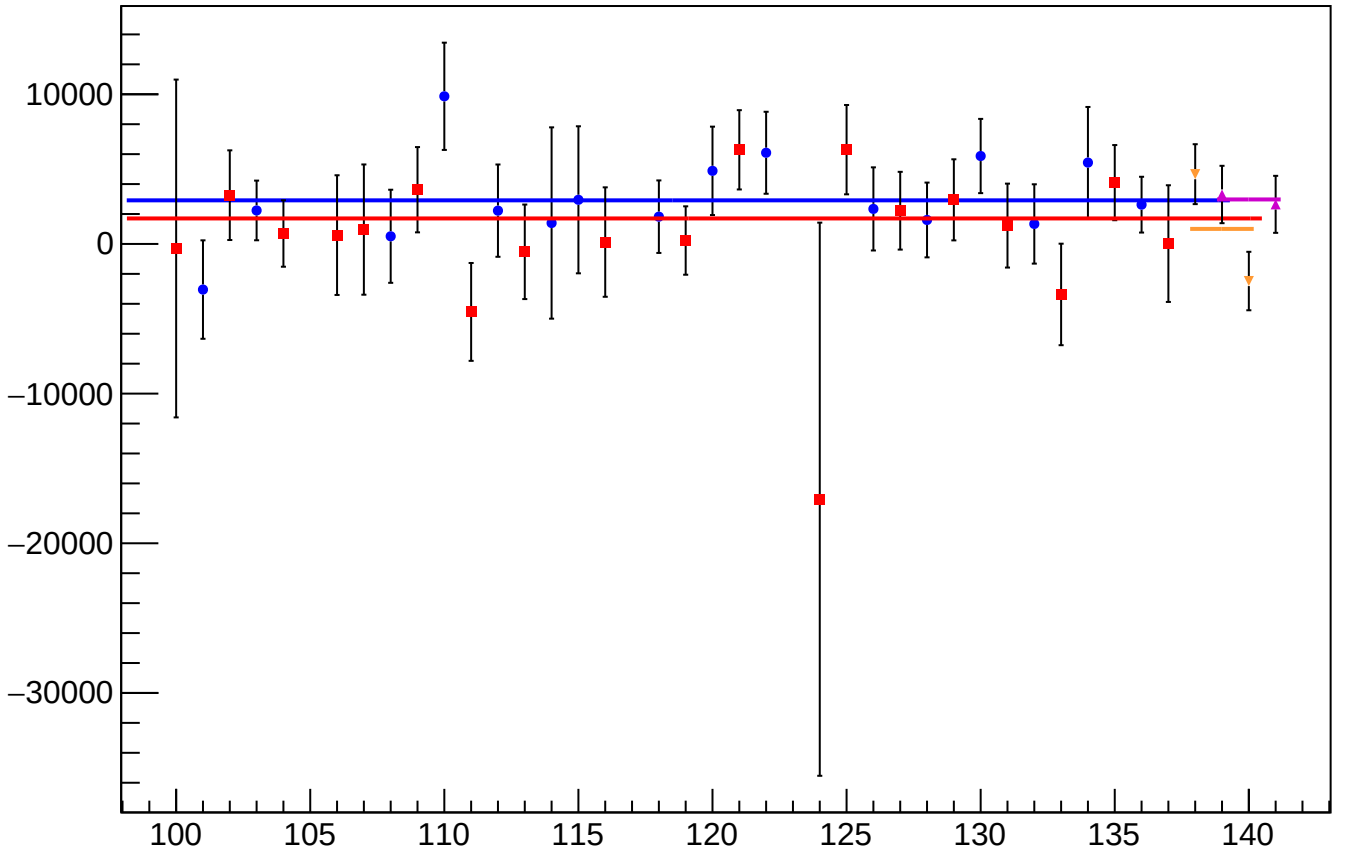
Left: 4672.370+/-1.818 χ^2/NDF: 34453.4/3

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2055.050+/-0.658 χ^2/NDF:8058540.7/17

Out: 2018.434+/-0.649 χ^2/NDF:7531828.5/20

All: 2036.469+/-0.462 χ^2/NDF: 15591939.1/3



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1004.783+/-1397.981 χ^2/NDF:6.5/1

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2972.863+/-1350.895 χ^2/NDF:0.1/1

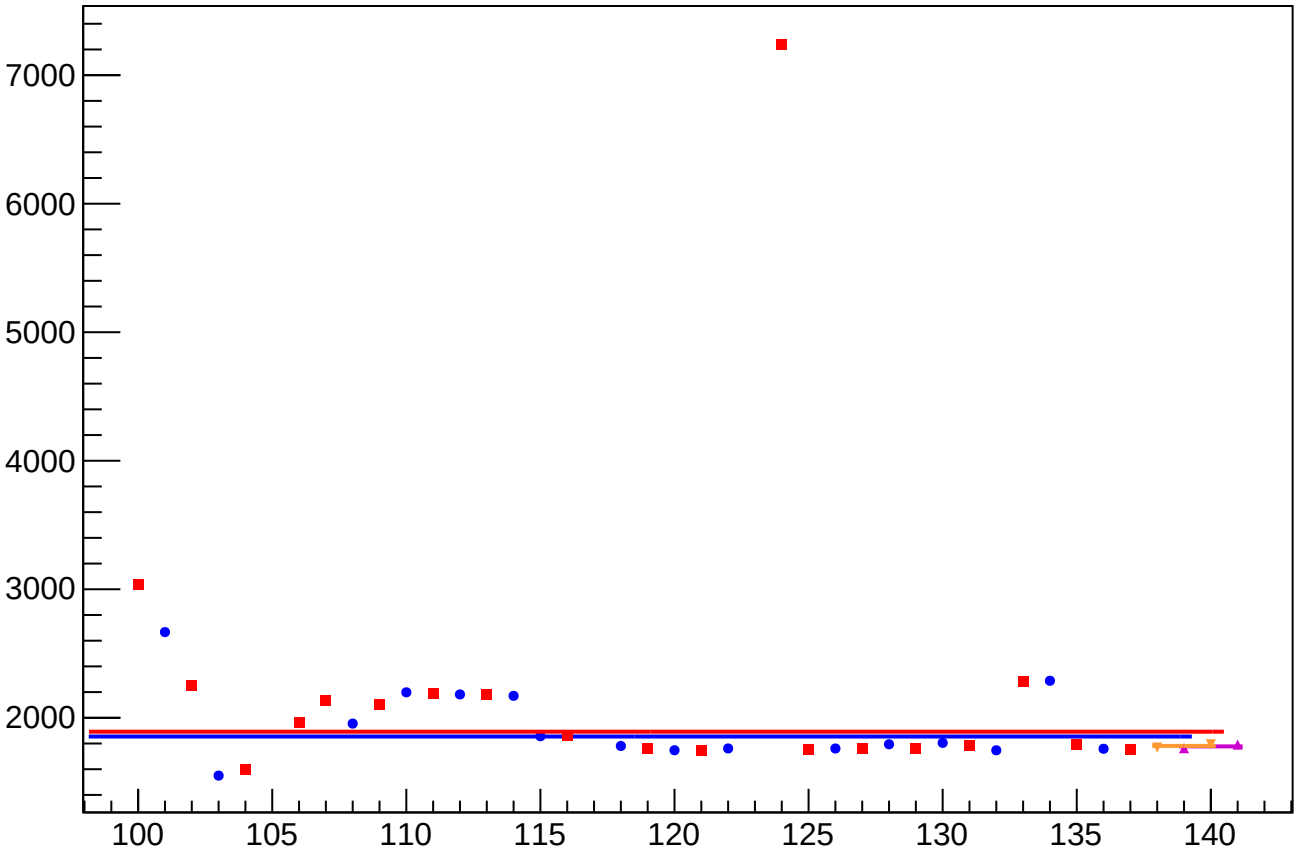
Left: 2022.524+/-971.447 χ^2/NDF: 7.6/3

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2925.602+/-618.051 χ^2/NDF:12.5/17

Out: 1561.259+/-630.799 χ^2/NDF:22.5/20

All: 2257.356+/-441.466 χ^2/NDF: 37.4/38



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1781.328+/-0.989 χ^2/NDF:168.0/1

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1777.562+/-0.955 χ^2/NDF:217.4/1

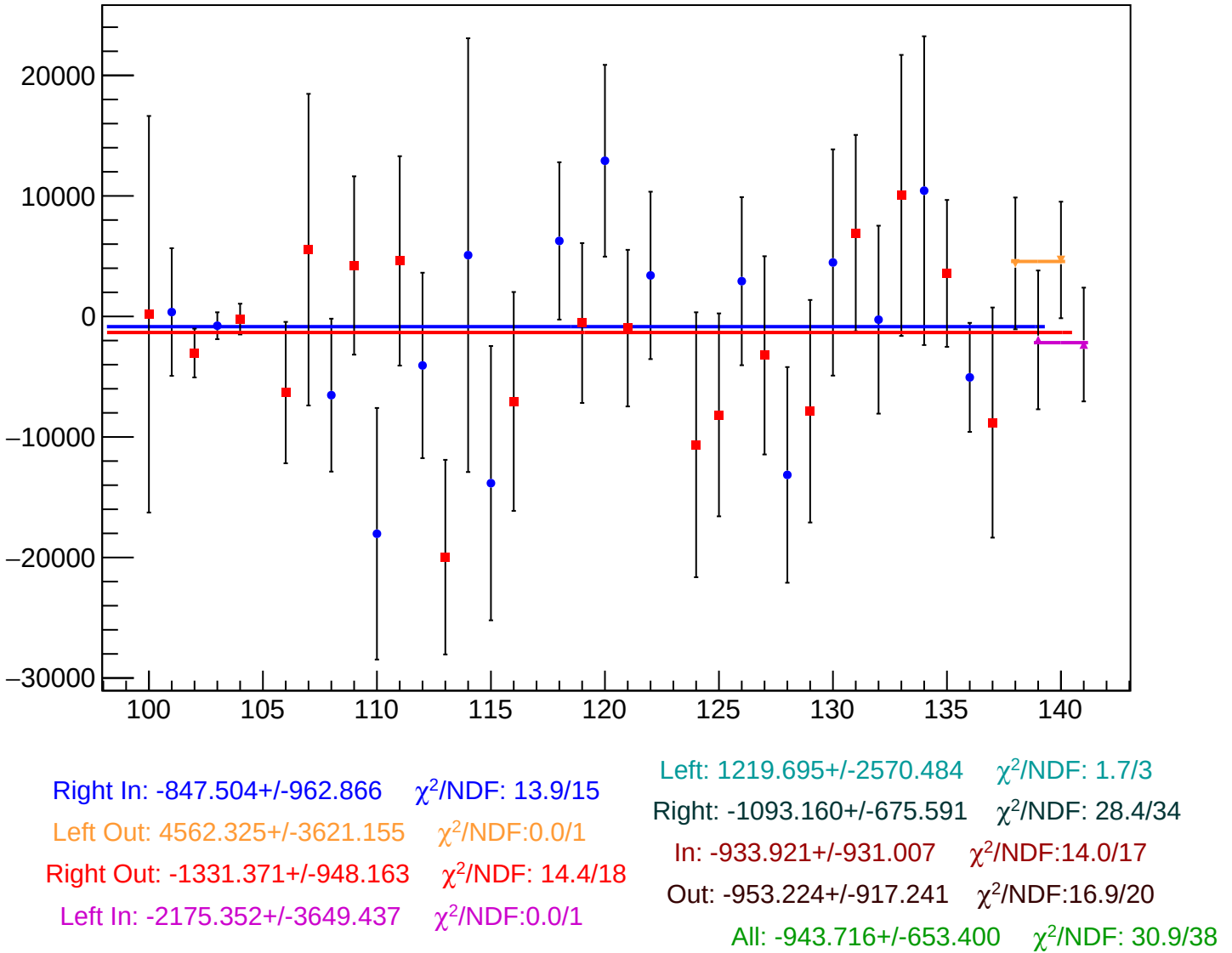
Left: 1779.381+/-0.687 χ^2/NDF: 392.9/3

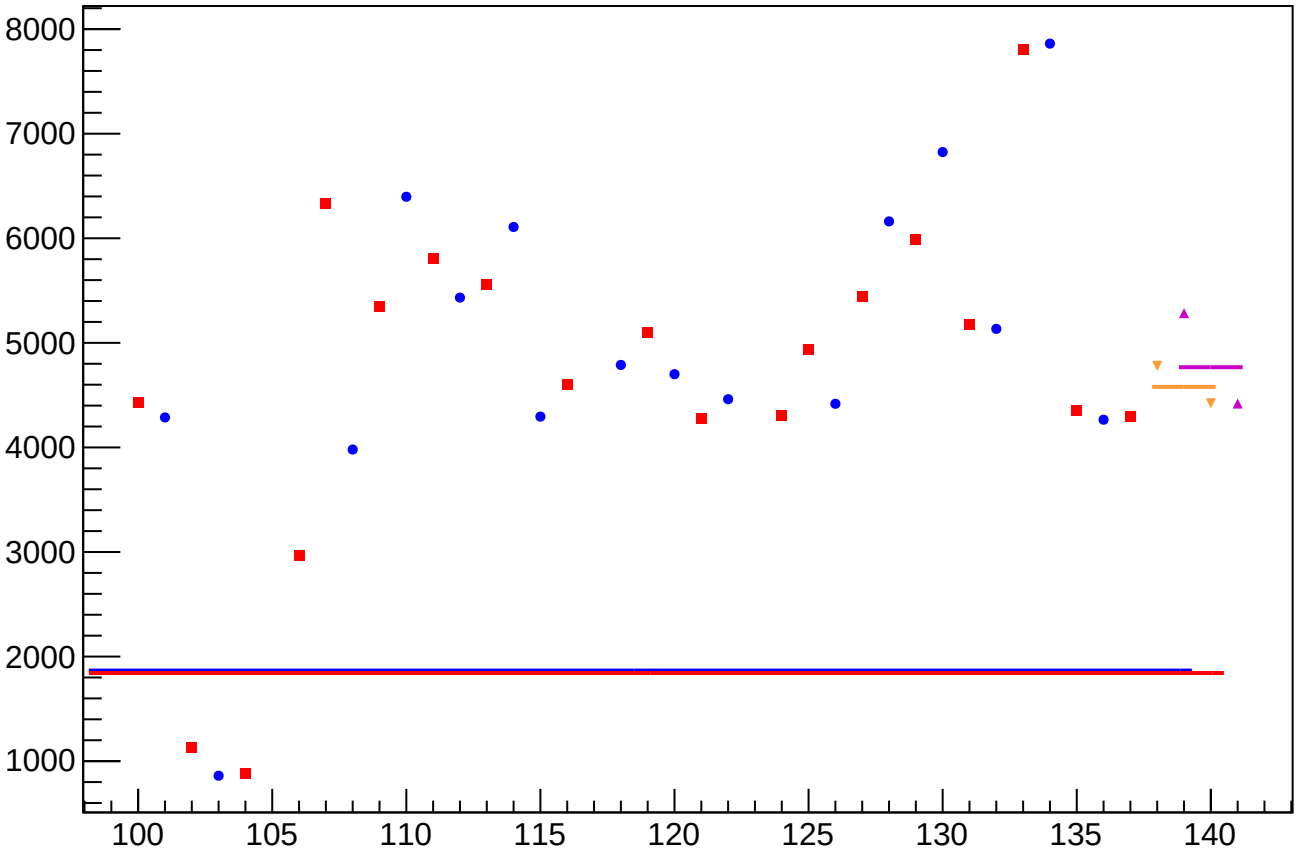
Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1838.248+/-0.437 χ^2/NDF:268644.5/17

Out: 1869.484+/-0.445 χ^2/NDF:374437.9/20

All: 1853.573+/-0.312 χ^2/NDF: 645588.8/38


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 4562.325+/-3621.155 χ²/NDF:0.0/1
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: -2175.352+/-3649.437 χ²/NDF:0.0/1
Left: 1219.695+/-2570.484 χ²/NDF: 1.7/3
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -933.921+/-931.007 χ²/NDF:14.0/17
Out: -953.224+/-917.241 χ²/NDF:16.9/20
All: -943.716+/-653.400 χ²/NDF: 30.9/38



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4578.981+/-2.561 χ^2/NDF:4808.8/1

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4767.225+/-2.581 χ^2/NDF:26963.2/1

Left: 4672.370+/-1.818 χ^2/NDF: 34453.4/3

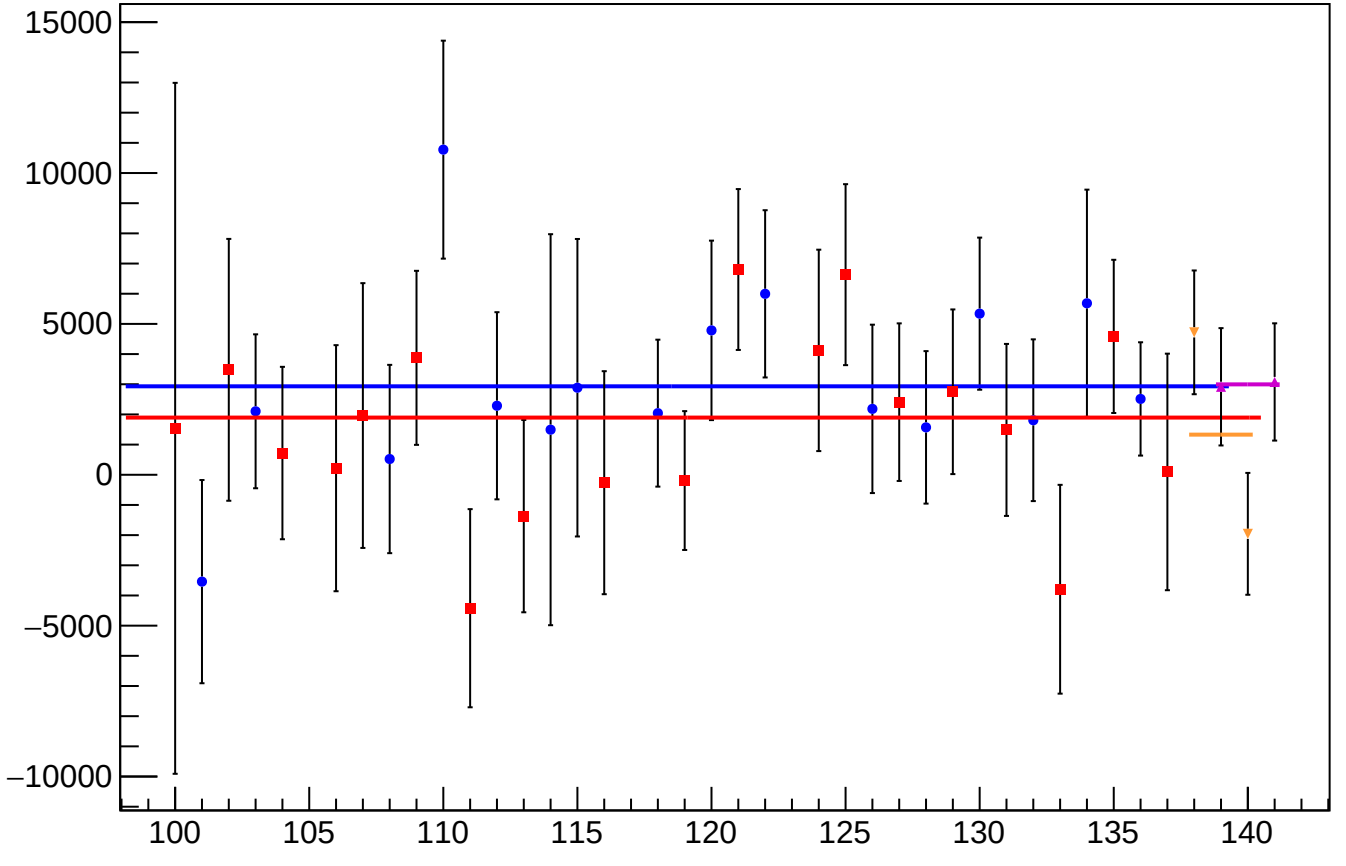
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2055.050+/-0.658 χ^2/NDF:8058540.7/17

Out: 2018.434+/-0.649 χ^2/NDF:7531828.5/20

All: 2036.469+/-0.462 χ^2/NDF: 15591939.1/3

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1330.318+/-1438.718 χ^2/NDF:5.4/1

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2996.164+/-1374.327 χ^2/NDF:0.0/1

Left: 2201.352+/-993.780 χ^2/NDF: 6.1/3

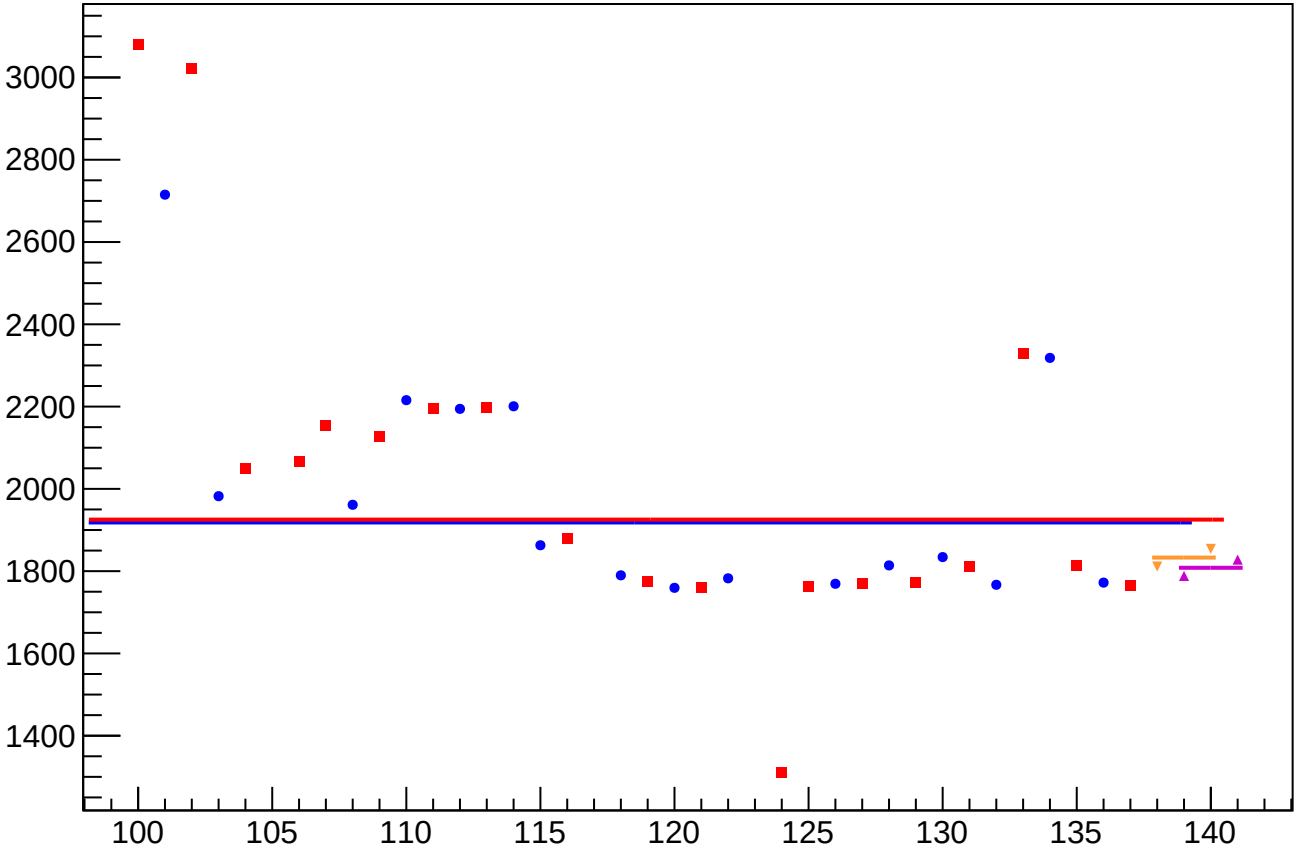
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2945.524+/-636.598 χ^2/NDF:13.0/17

Out: 1781.813+/-645.269 χ^2/NDF:22.9/20

All: 2371.539+/-453.177 χ^2/NDF: 37.5/38

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1832.986+/-1.017 χ^2/NDF:446.0/1

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1808.215+/-0.972 χ^2/NDF:416.3/1

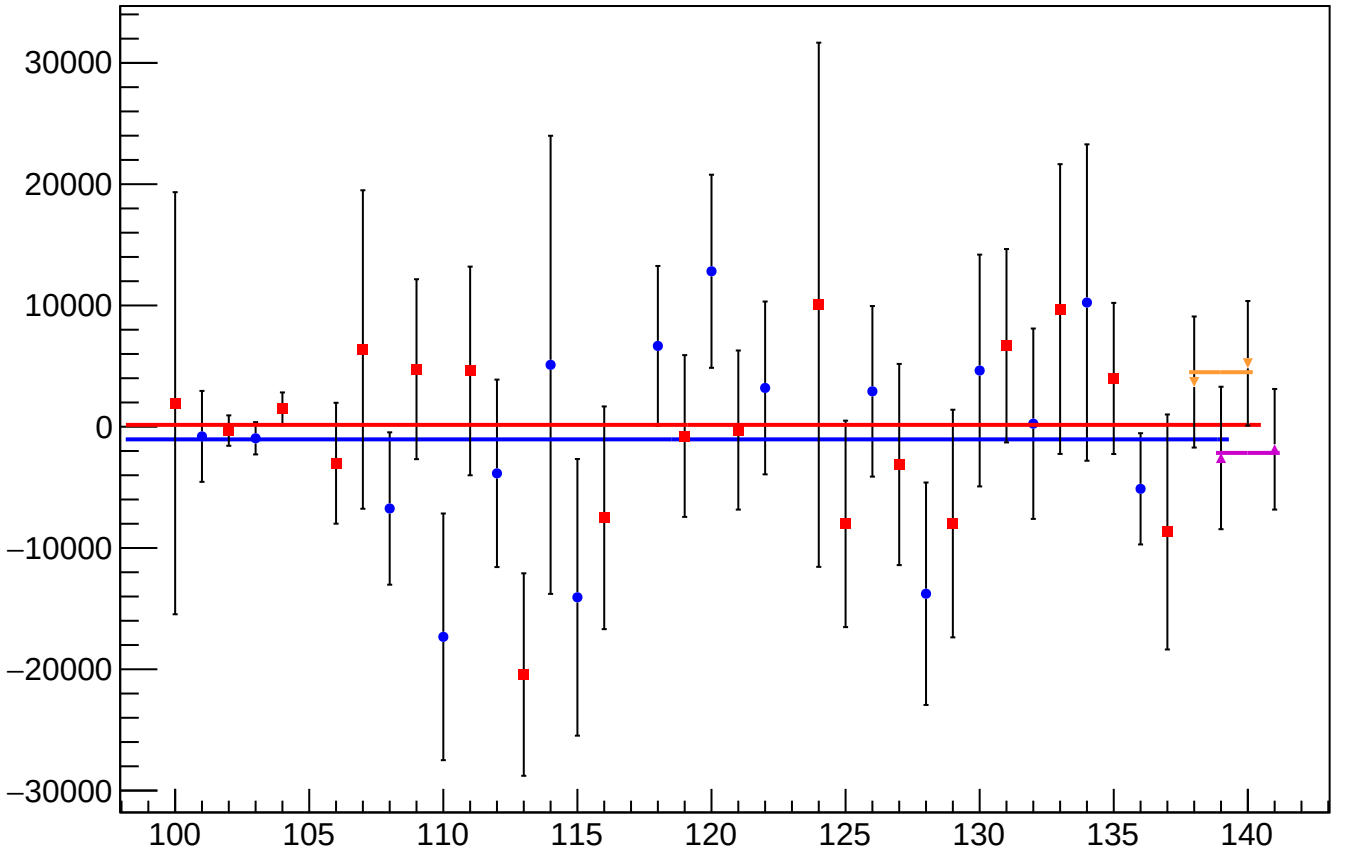
Left: 1820.034+/-0.703 χ^2/NDF: 1172.3/3

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1894.733+/-0.450 χ^2/NDF:226100.3/17

Out: 1906.723+/-0.456 χ^2/NDF:346115.6/20

All: 1900.651+/-0.320 χ^2/NDF: 572566.1/38



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 4498.020+/-3722.976 χ^2/NDF:0.0/1

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: -2157.871+/-3795.312 χ^2/NDF:0.0/1

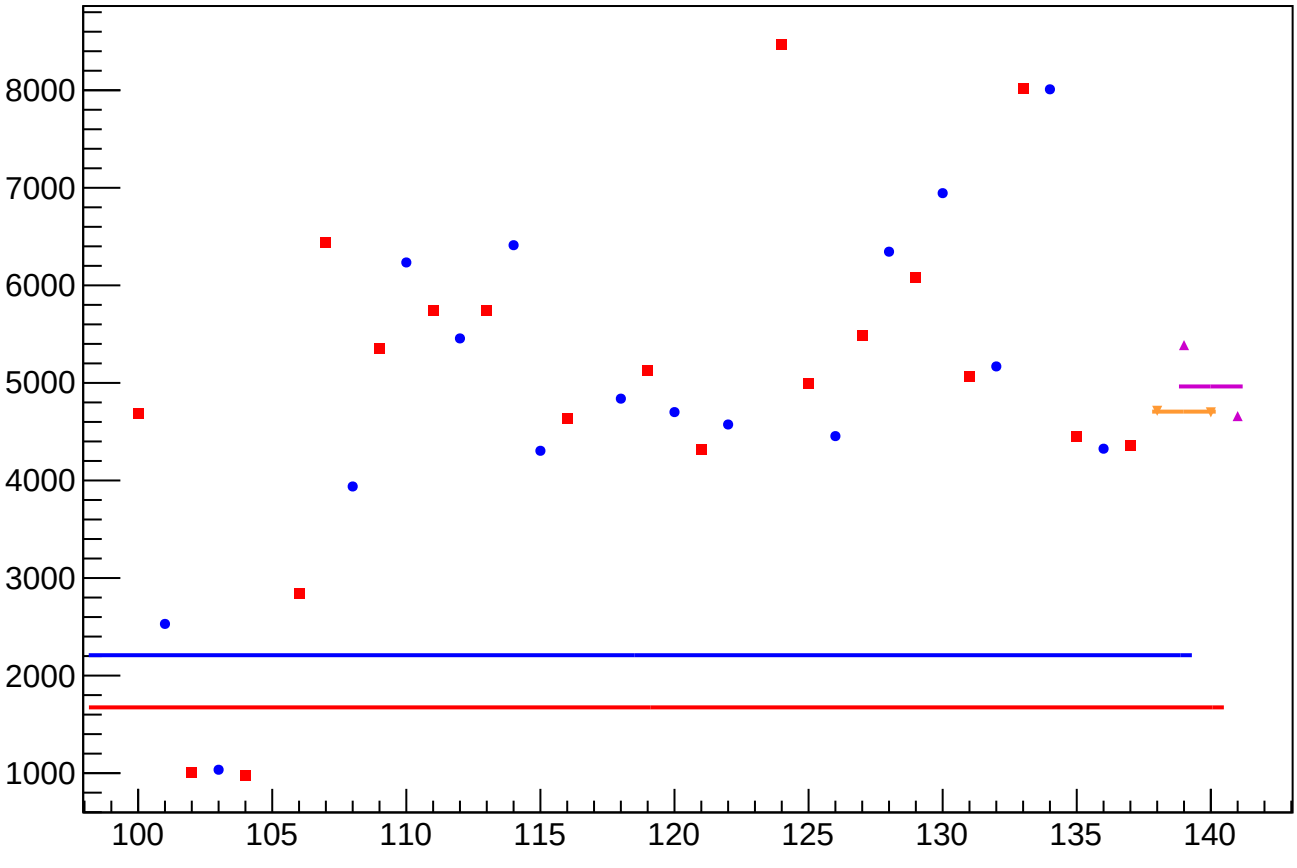
Left: 1234.107+/-2657.747 χ^2/NDF: 1.6/3

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -1124.419+/-1031.999 χ^2/NDF:13.9/17

Out: 362.000+/-815.368 χ^2/NDF:15.1/20

All: -209.269+/-639.778 χ^2/NDF: 30.3/38



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4705.809+/-2.633 χ^2/NDF:9.1/1

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4963.769+/-2.684 χ^2/NDF:17880.6/1

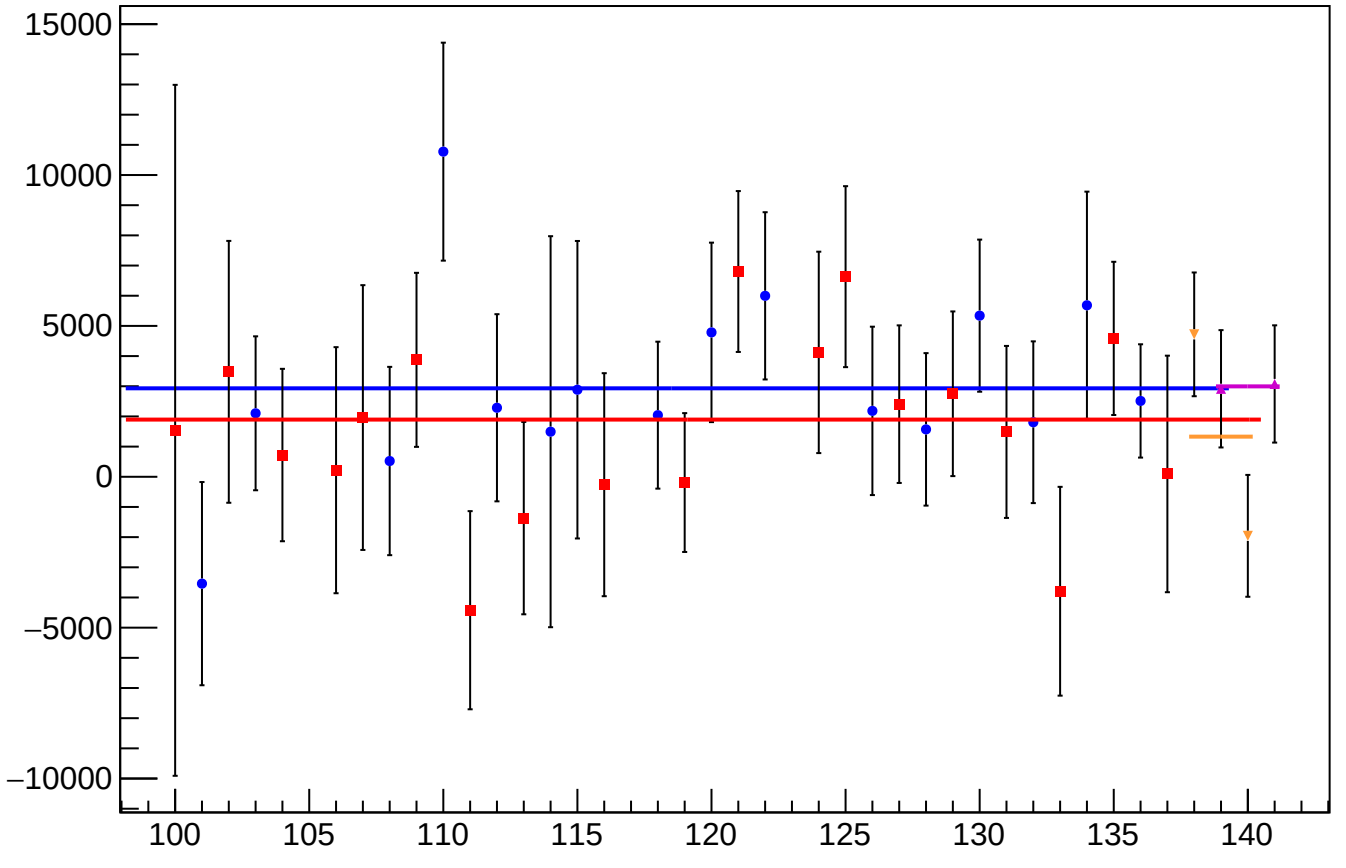
Left: 4832.307+/-1.879 χ^2/NDF: 22598.3/3

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2412.599+/-0.730 χ^2/NDF:6492720.8/17

Out: 1819.576+/-0.577 χ^2/NDF:8115803.8/20

All: 2047.490+/-0.452 χ^2/NDF: 15015122.6/3



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1330.312+/-1438.718 χ^2/NDF:5.4/1

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2996.144+/-1374.327 χ^2/NDF:0.0/1

Left: 2201.339+/-993.780 χ^2/NDF: 6.1/3

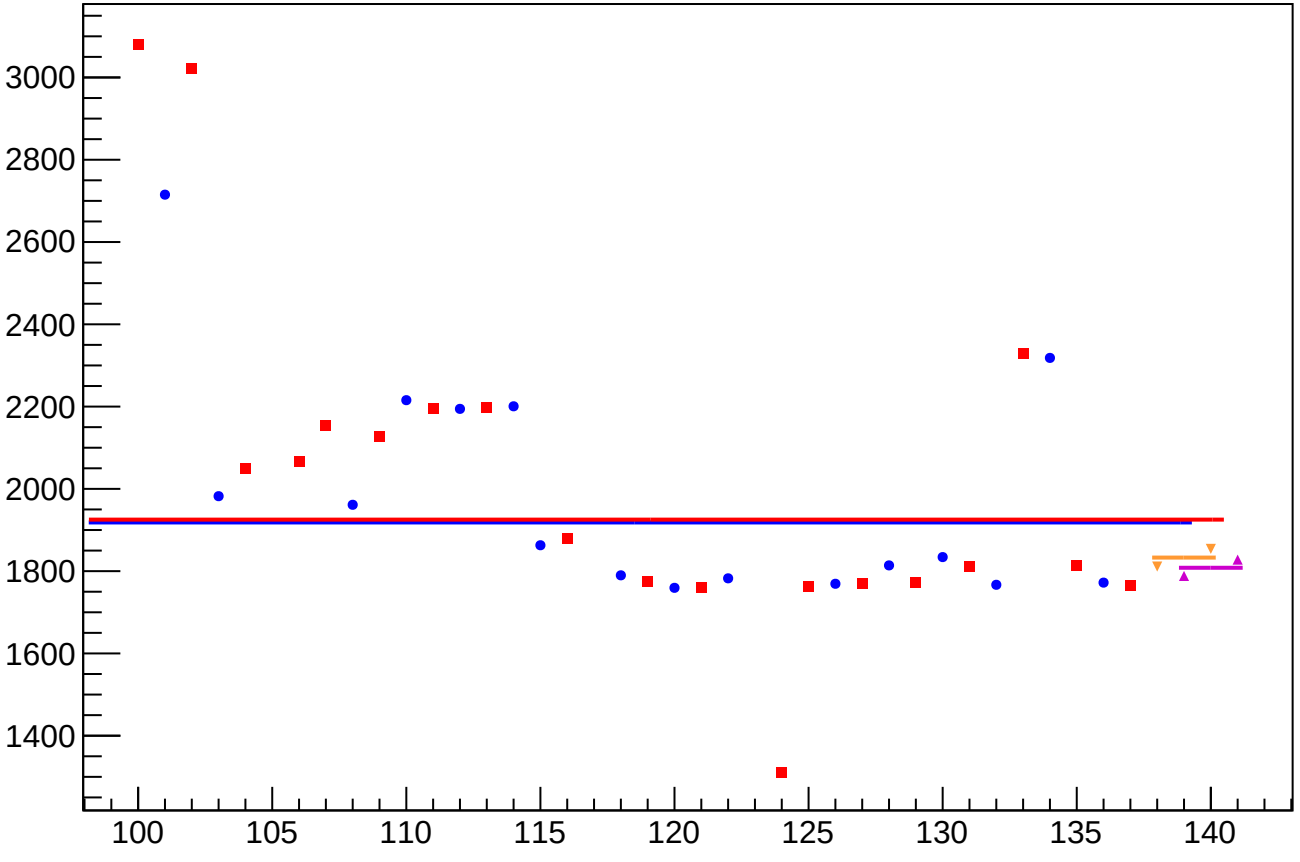
Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2945.521+/-636.598 χ^2/NDF:13.0/17

Out: 1781.816+/-645.269 χ^2/NDF:22.9/20

All: 2371.540+/-453.177 χ^2/NDF: 37.5/38

eigen_dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1832.986+/-1.017 χ^2/NDF:446.0/1

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1808.216+/-0.972 χ^2/NDF:416.3/1

Left: 1820.034+/-0.703 χ^2/NDF: 1172.3/3

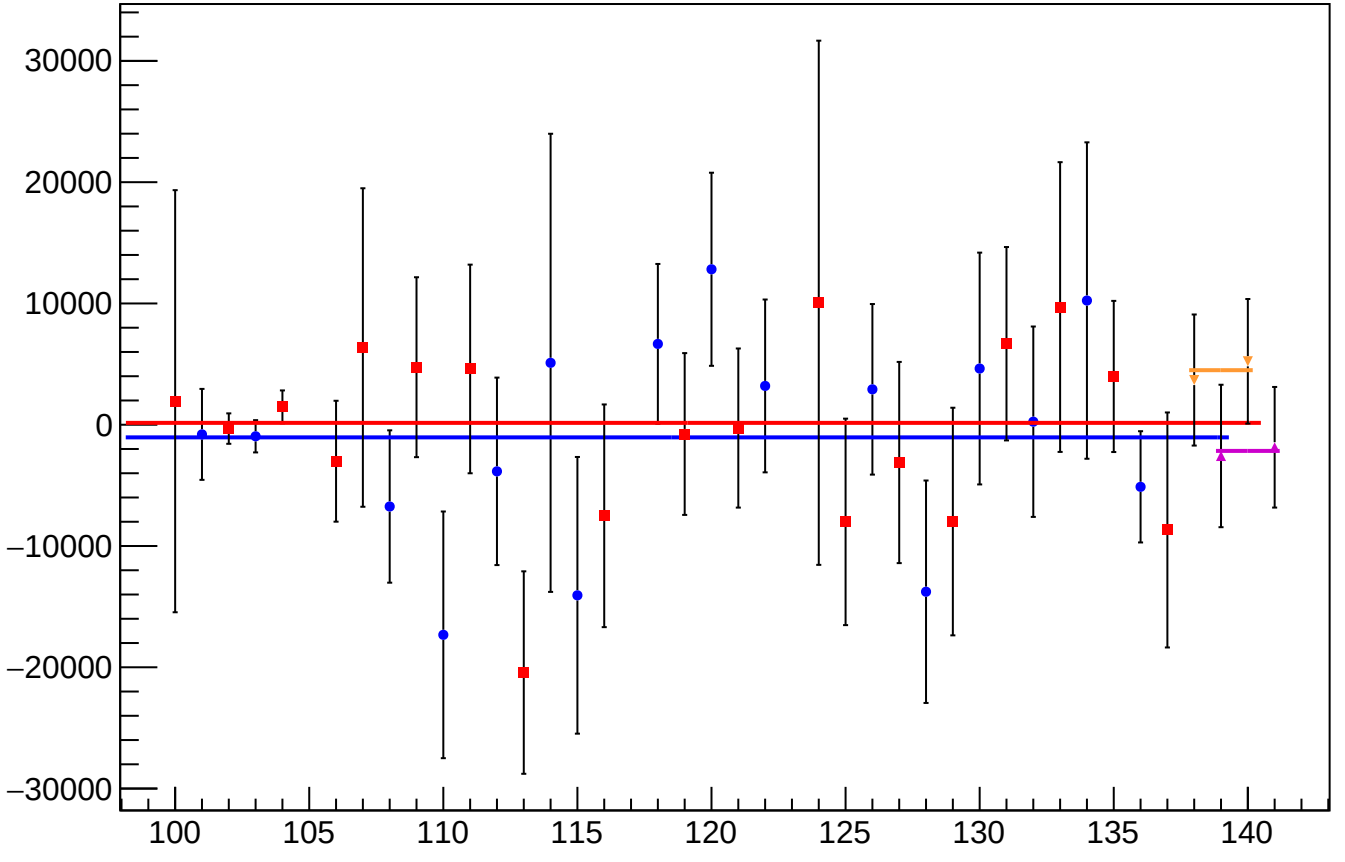
Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1894.733+/-0.450 χ^2/NDF:226100.2/17

Out: 1906.722+/-0.456 χ^2/NDF:346114.5/20

All: 1900.650+/-0.320 χ^2/NDF: 572564.8/38

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 4498.017+/-3722.979 χ^2/NDF:0.0/1

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: -2157.892+/-3795.315 χ^2/NDF:0.0/1

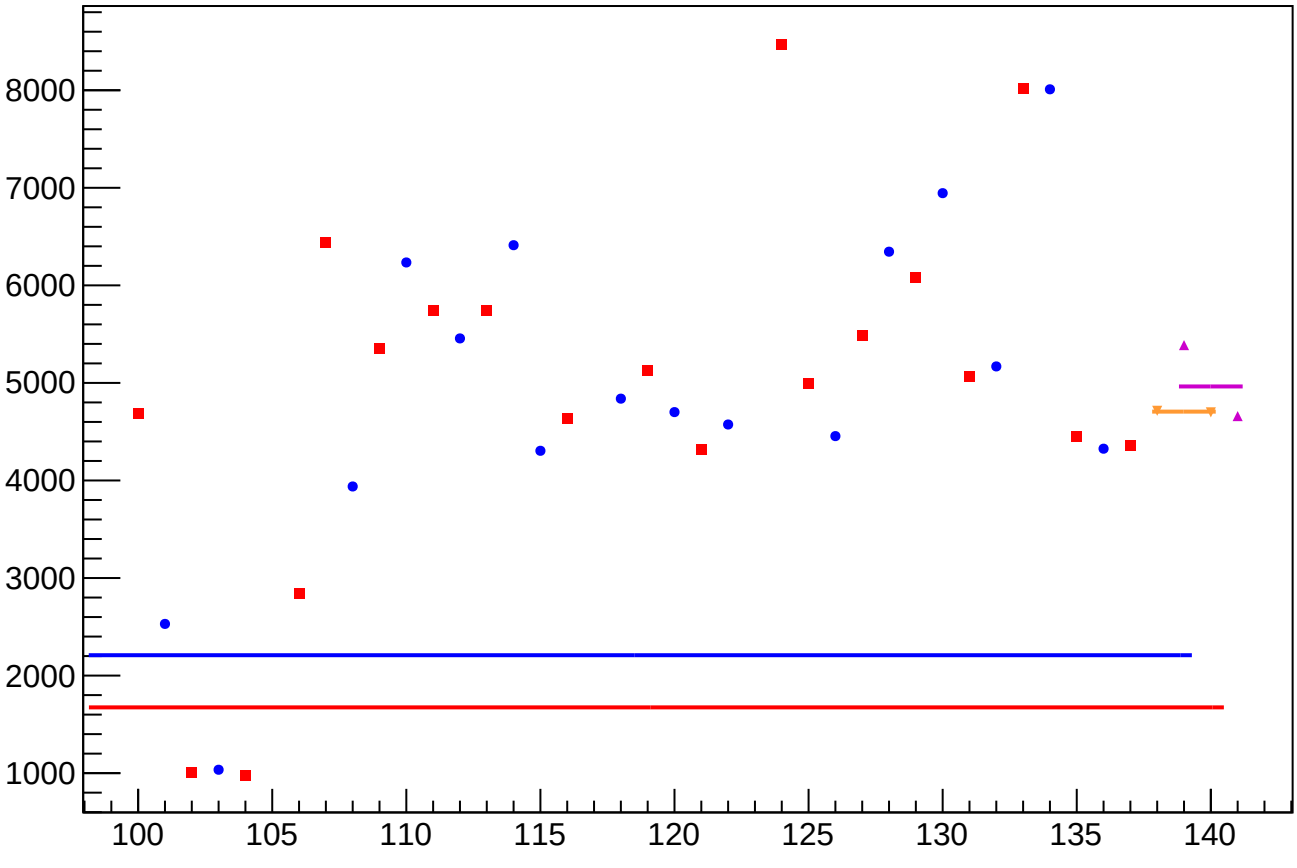
Left: 1234.095+/-2657.749 χ^2/NDF: 1.6/3

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -1124.418+/-1031.999 χ^2/NDF:13.9/17

Out: 361.994+/-815.368 χ^2/NDF:15.1/20

All: -209.273+/-639.777 χ^2/NDF: 30.3/38



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4705.813+/-2.633 χ^2/NDF:9.1/1

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4963.773+/-2.684 χ^2/NDF:17881.1/1

Left: 4832.311+/-1.879 χ^2/NDF: 22598.8/3

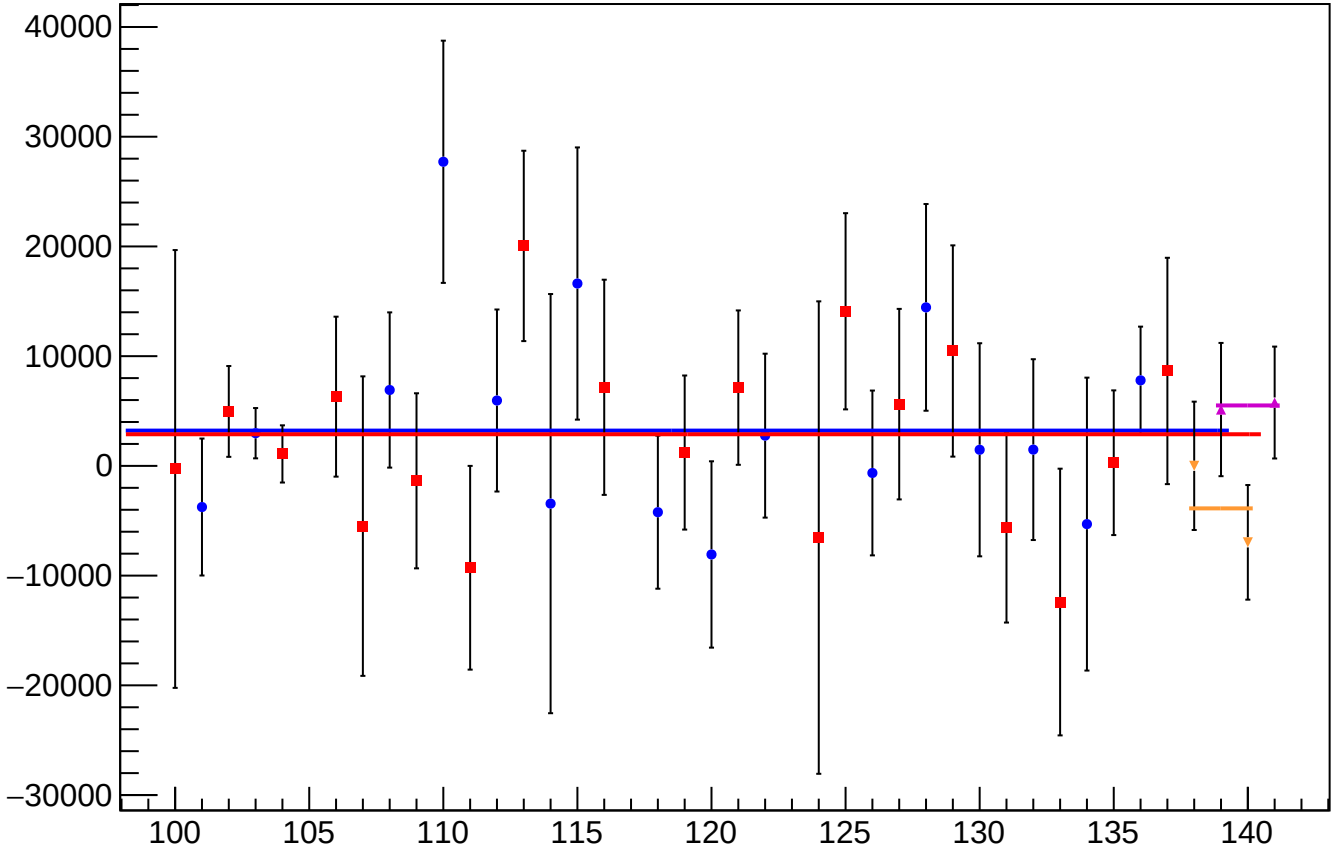
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2412.598+/-0.730 χ^2/NDF:6492716.0/17

Out: 1819.575+/-0.577 χ^2/NDF:8115797.2/20

All: 2047.489+/-0.452 χ^2/NDF: 15015110.9/3

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -3873.077+/-3895.652 χ^2/NDF:0.8/1

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 5508.728+/-3904.735 χ^2/NDF:0.0/1

Left: 806.901+/-2757.848 χ^2/NDF: 3.7/3

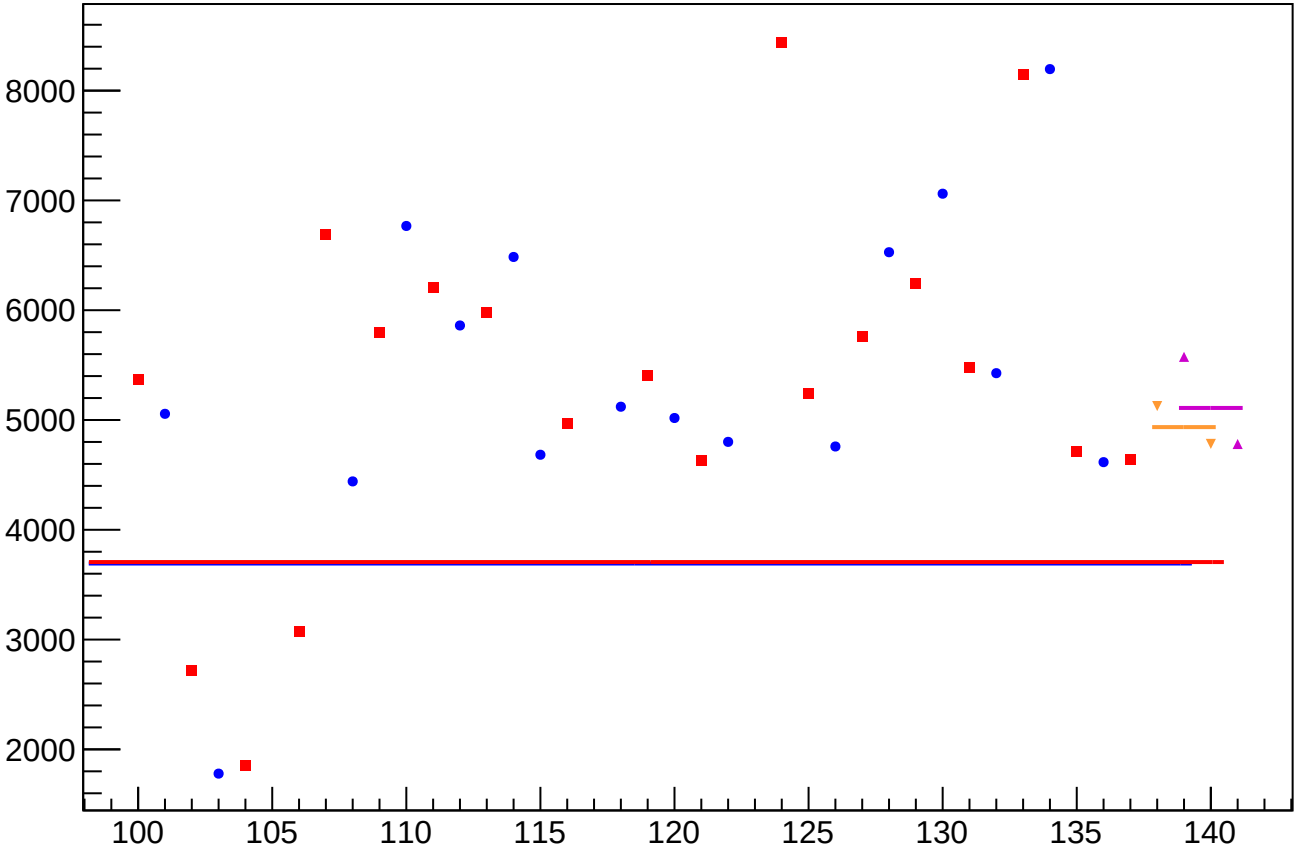
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 3524.099+/-1432.013 χ^2/NDF:14.1/17

Out: 1957.808+/-1441.890 χ^2/NDF:16.8/20

All: 2746.337+/-1016.060 χ^2/NDF: 31.5/38

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4935.252+/-2.755 χ^2/NDF:3861.7/1

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5109.757+/-2.761 χ^2/NDF:20051.1/1

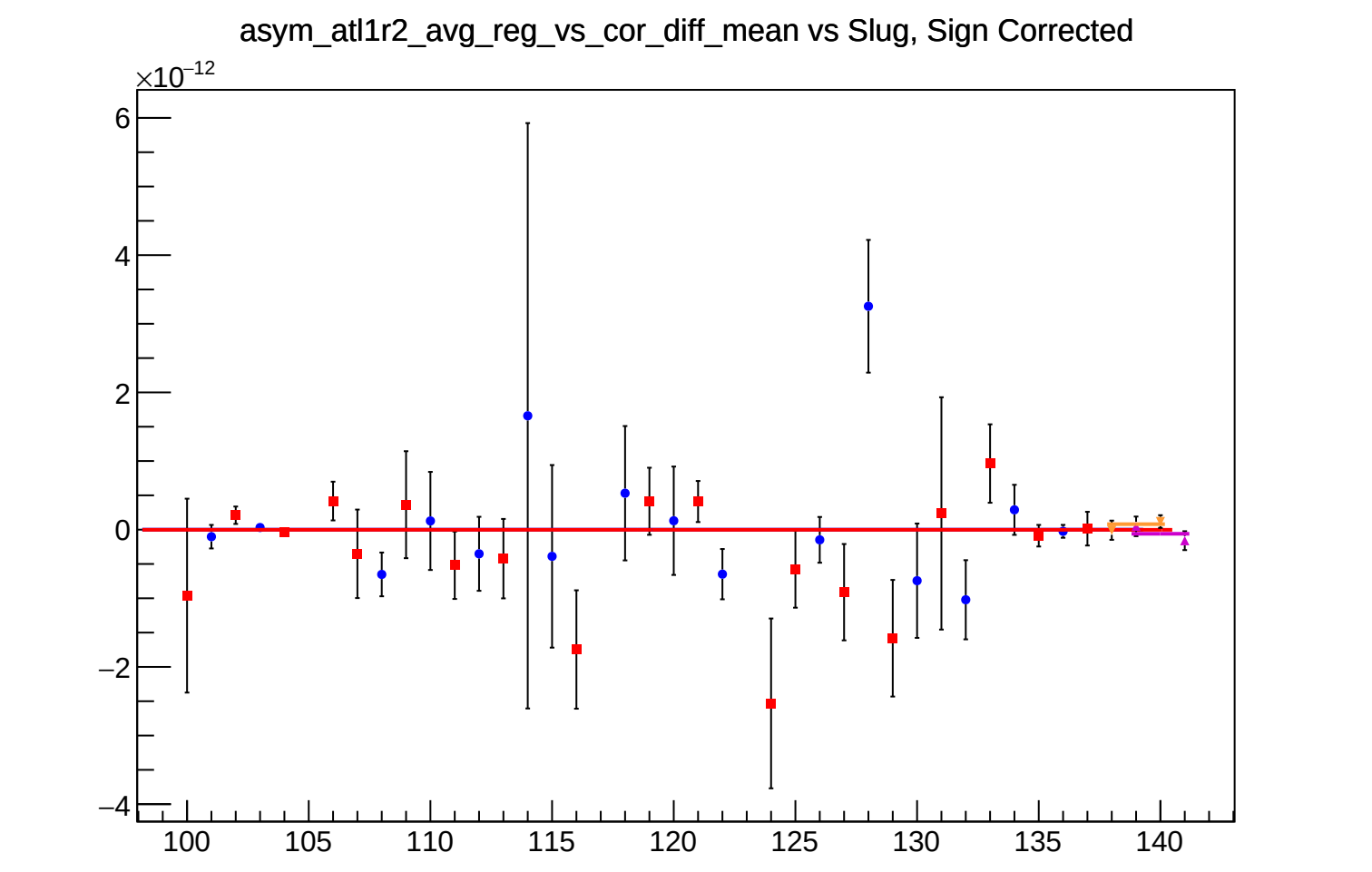
Left: 5022.301+/-1.950 χ^2/NDF: 25914.8/3

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 3883.389+/-1.013 χ^2/NDF:3133648.7/17

Out: 3871.576+/-1.011 χ^2/NDF:2860692.0/20

All: 3877.472+/-0.715 χ^2/NDF: 5994408.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/1

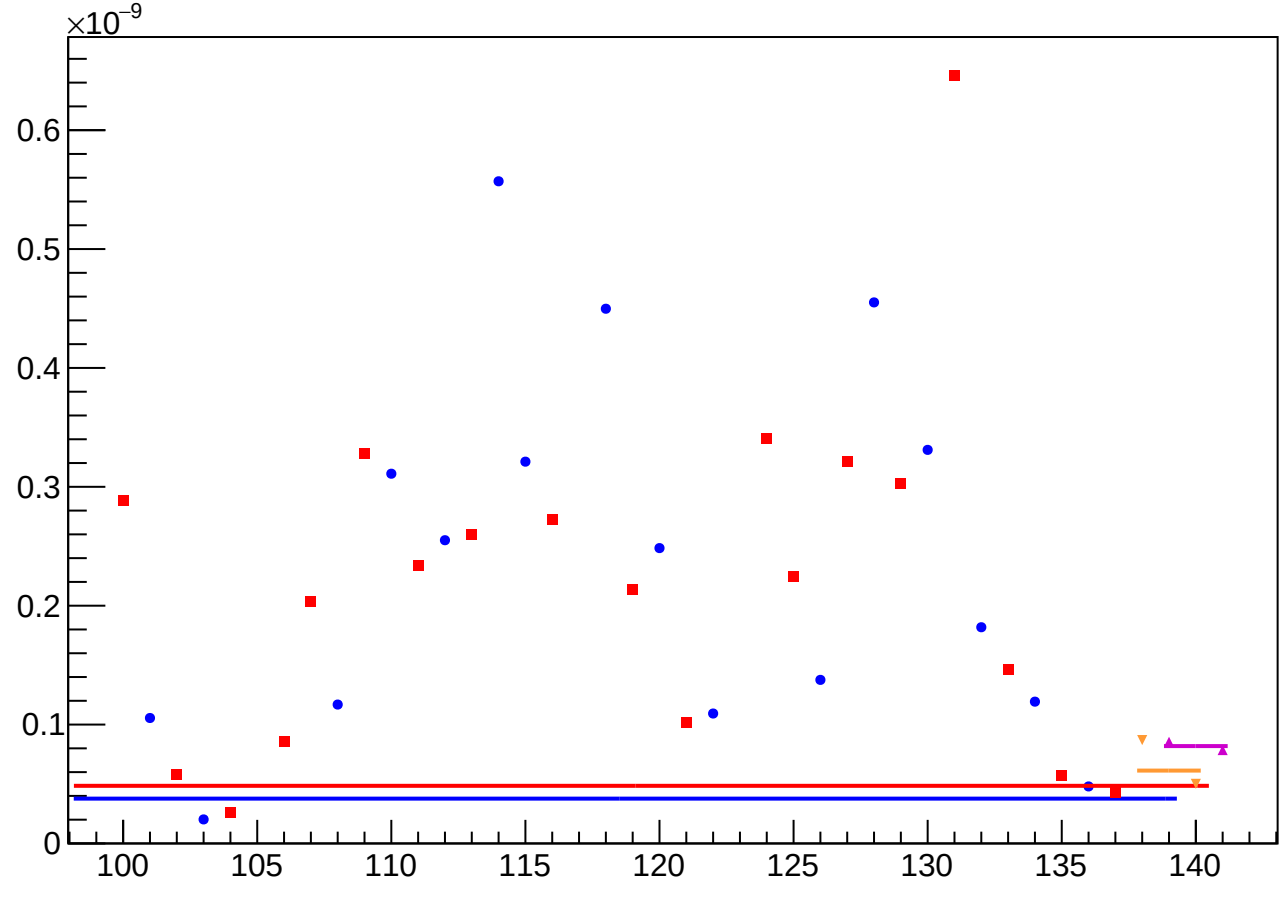
Left: 0.000+/-0.000 χ^2/NDF: 2.9/3

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:26.8/17

Out: 0.000+/-0.000 χ^2/NDF:29.6/20

All: 0.000+/-0.000 χ^2/NDF: 56.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:96538.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2465.7/1

Left: 0.000+/-0.000 χ^2/NDF: 152976.8/3

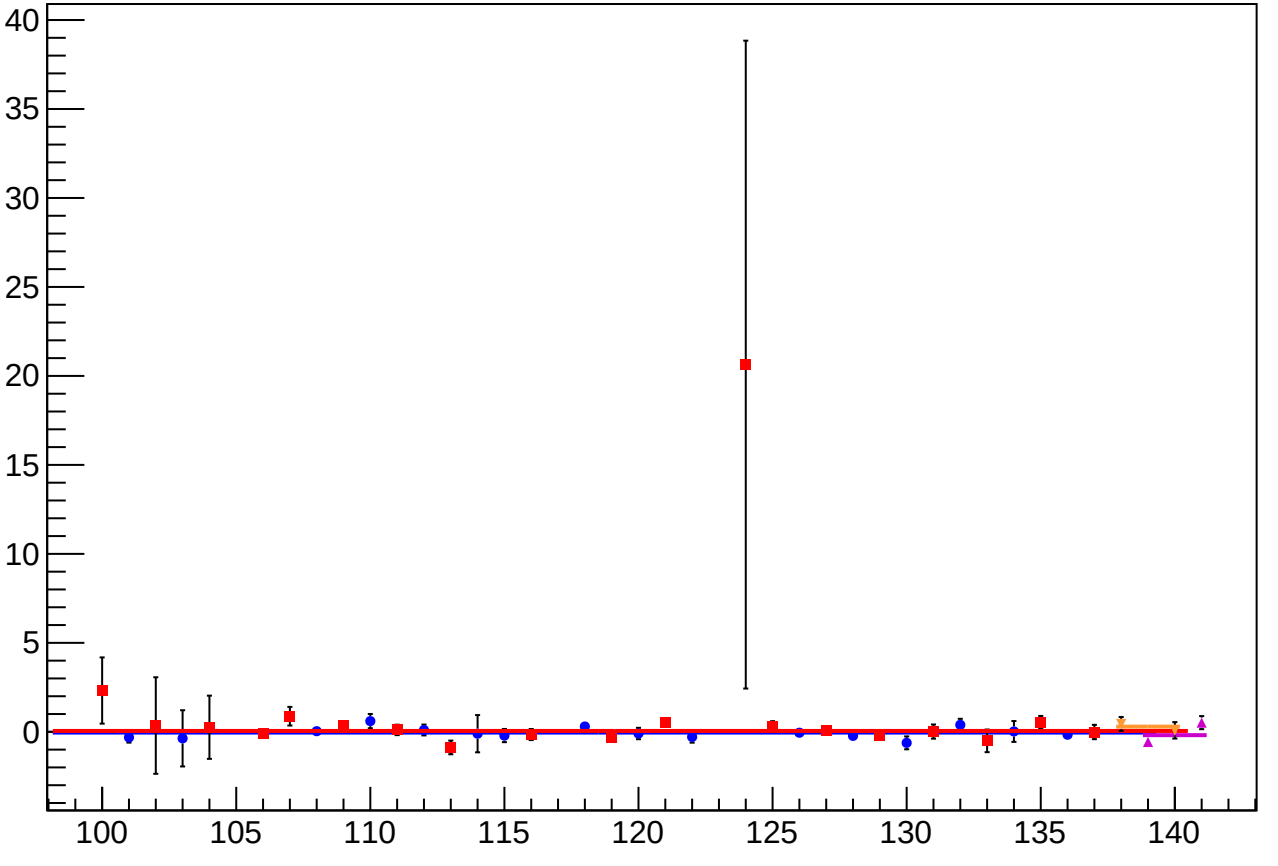
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:3494044.9/17

Out: 0.000+/-0.000 χ^2/NDF:3033317.6/20

All: 0.000+/-0.000 χ^2/NDF: 6585274.0/38

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.292+/-0.299 χ^2/NDF:0.3/1

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.187+/-0.219 χ^2/NDF:5.6/1

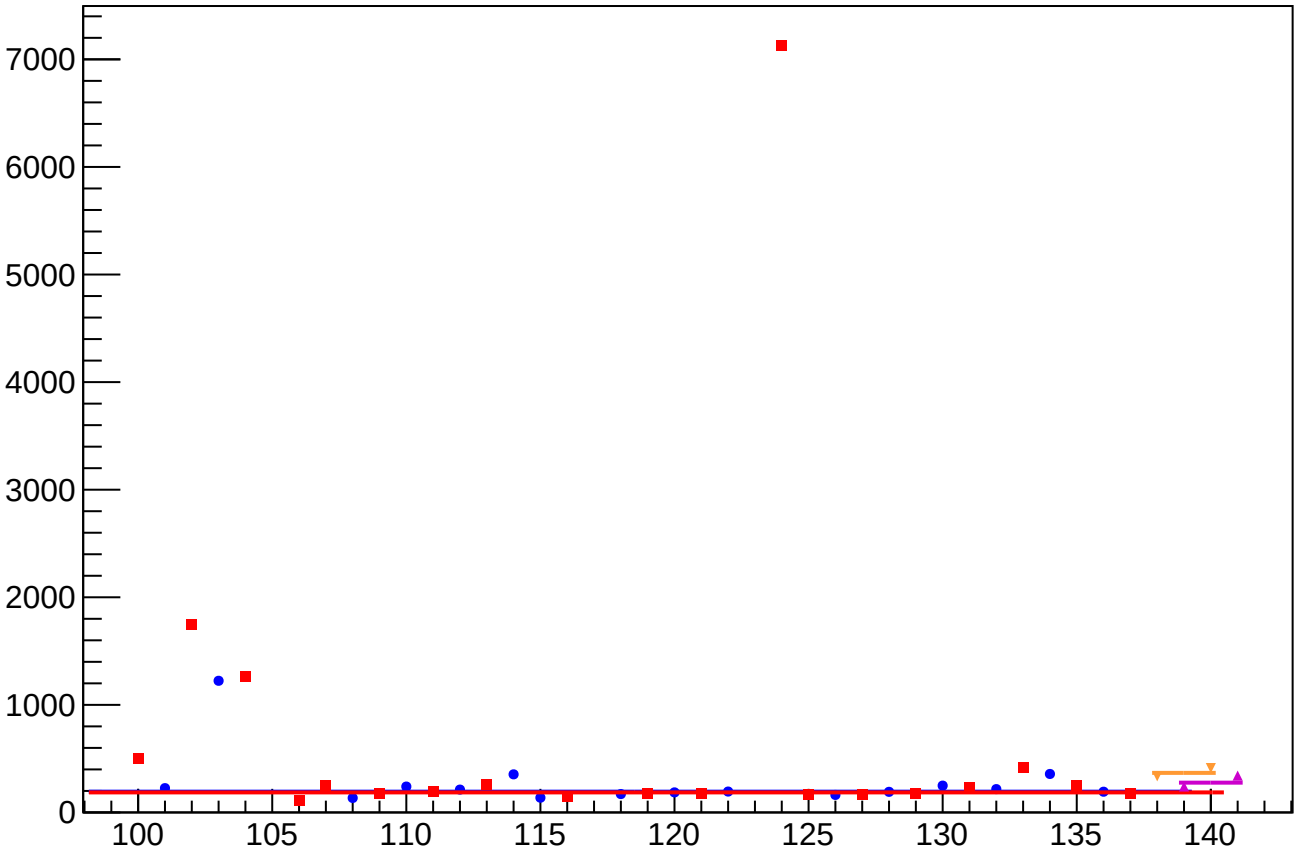
Left: -0.020+/-0.177 χ^2/NDF: 7.6/3

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.057+/-0.073 χ^2/NDF:17.7/17

Out: 0.065+/-0.076 χ^2/NDF:24.0/20

All: 0.001+/-0.053 χ^2/NDF: 43.1/38



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 367.850+/-0.212 χ^2/NDF:32213.3/1

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 276.967+/-0.155 χ^2/NDF:97914.6/1

Left: 308.666+/-0.125 χ^2/NDF: 250335.5/3

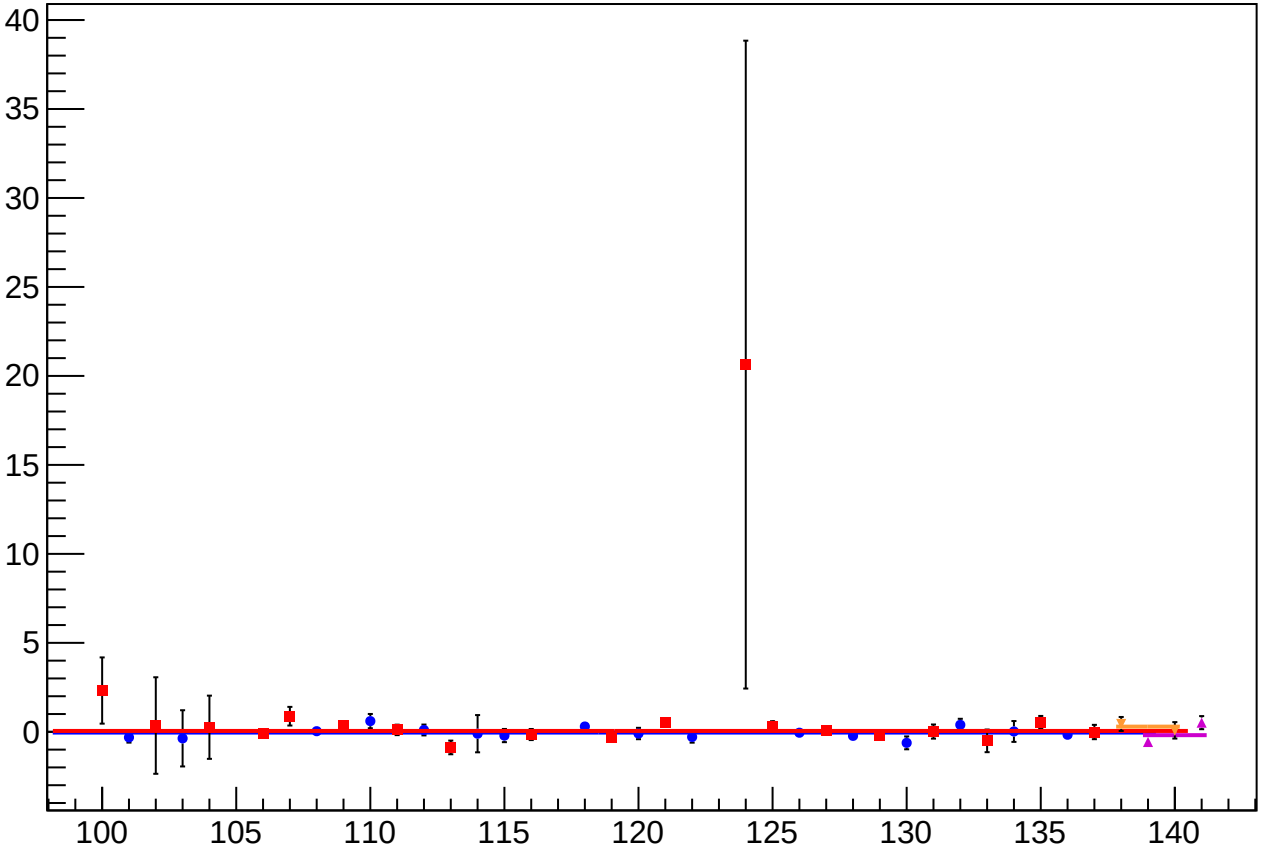
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 202.625+/-0.052 χ^2/NDF:1766004.2/17

Out: 198.151+/-0.054 χ^2/NDF:3199531.9/20

All: 200.475+/-0.037 χ^2/NDF: 4969119.9/38

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.292+/-0.299 χ^2/NDF:0.3/1

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.187+/-0.219 χ^2/NDF:5.6/1

Left: -0.020+/-0.177 χ^2/NDF: 7.6/3

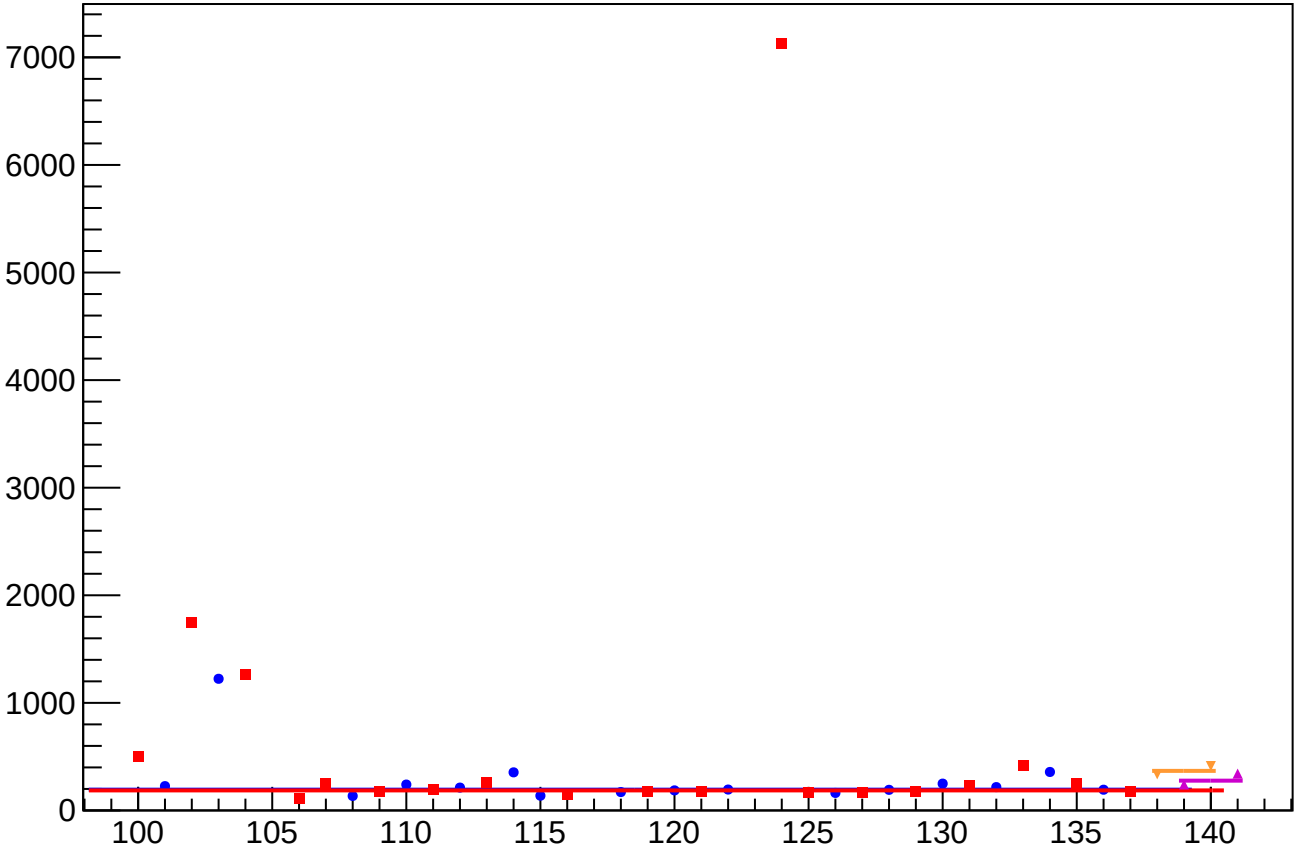
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.057+/-0.073 χ^2/NDF:17.7/17

Out: 0.065+/-0.076 χ^2/NDF:24.0/20

All: 0.001+/-0.053 χ^2/NDF: 43.1/38

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 367.850+/-0.212 χ^2/NDF:32213.3/1

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 276.967+/-0.155 χ^2/NDF:97914.6/1

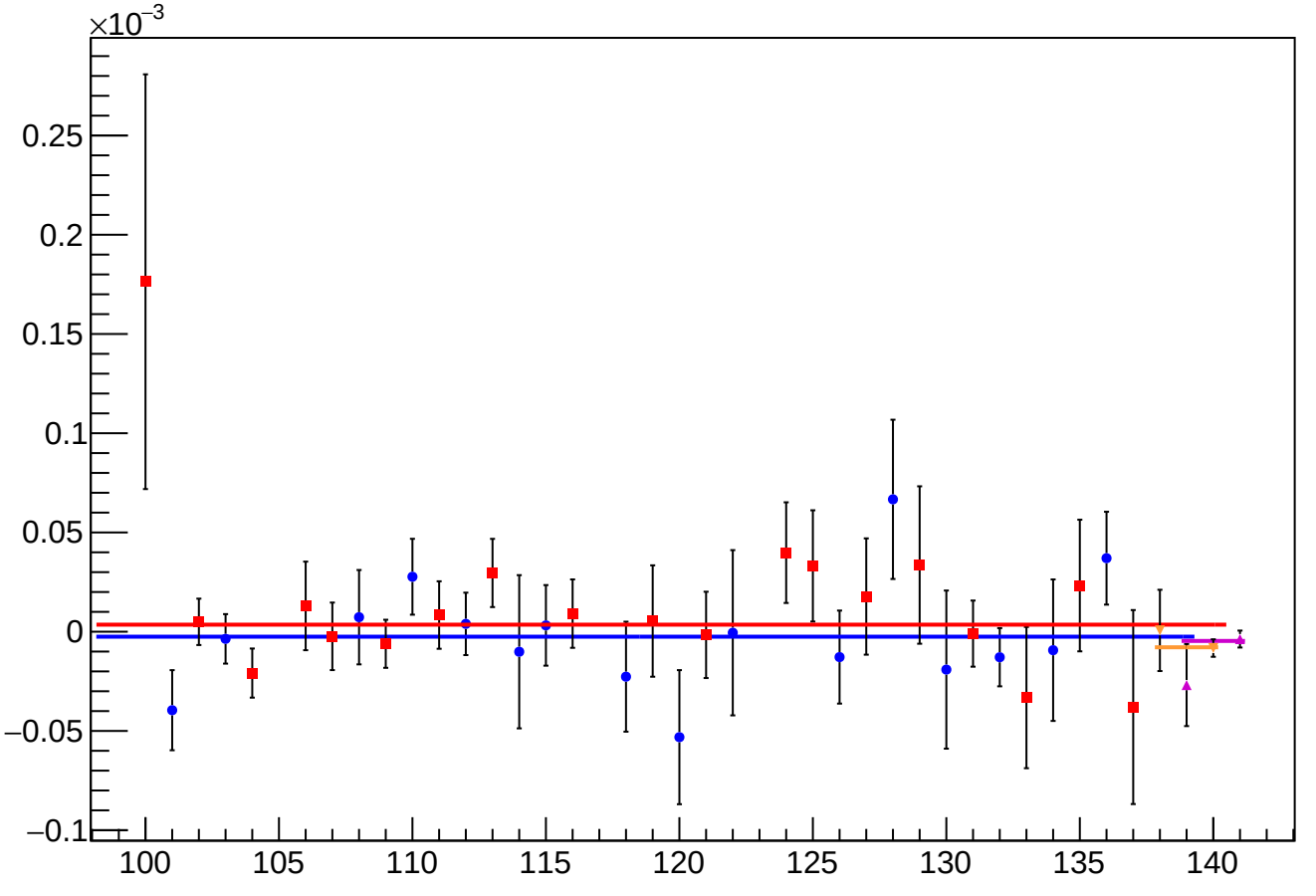
Left: 308.666+/-0.125 χ^2/NDF: 250335.5/3

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 202.625+/-0.052 χ^2/NDF:1766004.2/17

Out: 198.151+/-0.054 χ^2/NDF:3199531.9/20

All: 200.475+/-0.037 χ^2/NDF: 4969119.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/1

Left: -0.000+/-0.000 χ^2/NDF: 1.7/3

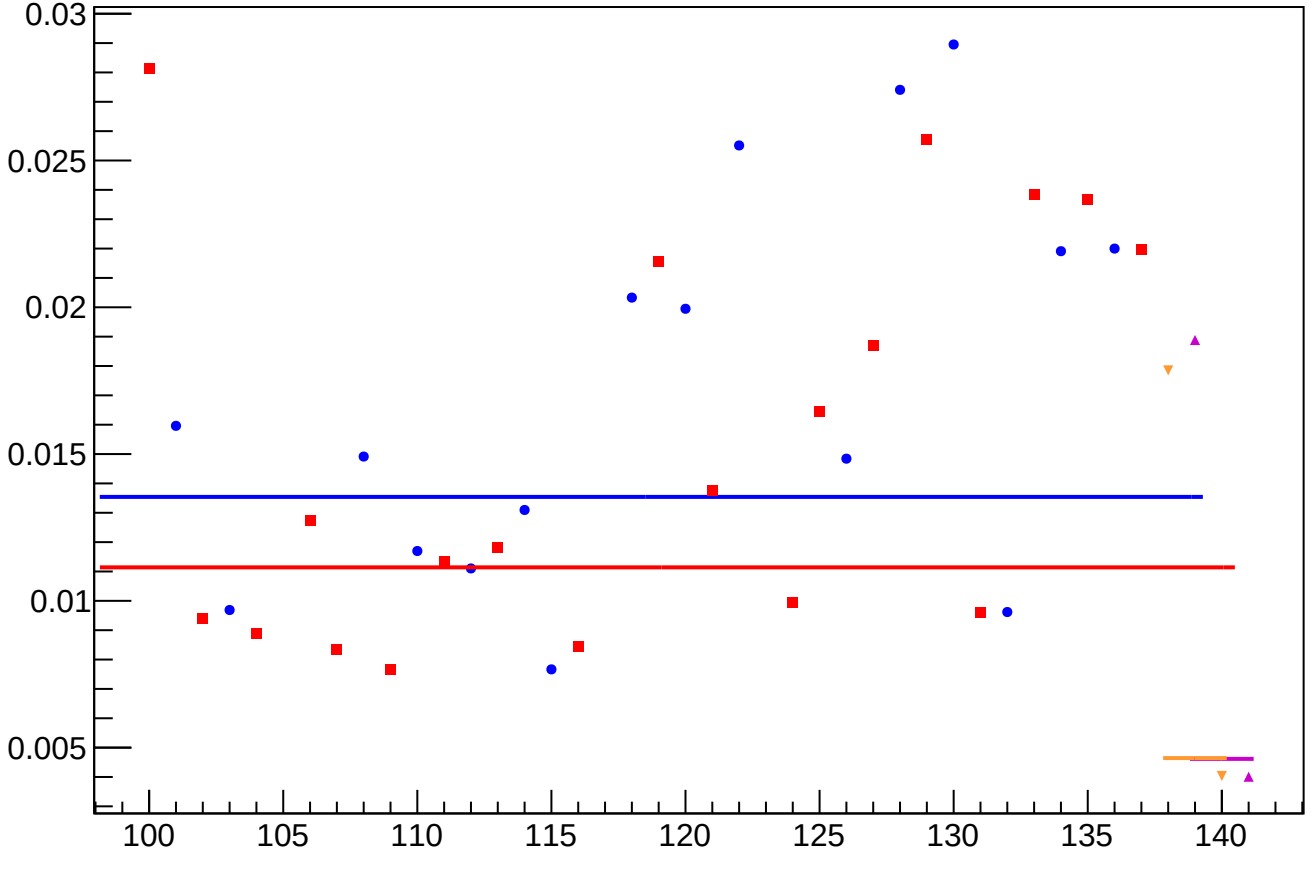
Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:17.1/17

Out: -0.000+/-0.000 χ^2/NDF:19.9/20

All: -0.000+/-0.000 χ^2/NDF: 37.1/38

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:870880.3/1

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.005+/-0.000 χ^2/NDF:992797.1/1

Left: 0.005+/-0.000 χ^2/NDF: 1863718.7/3

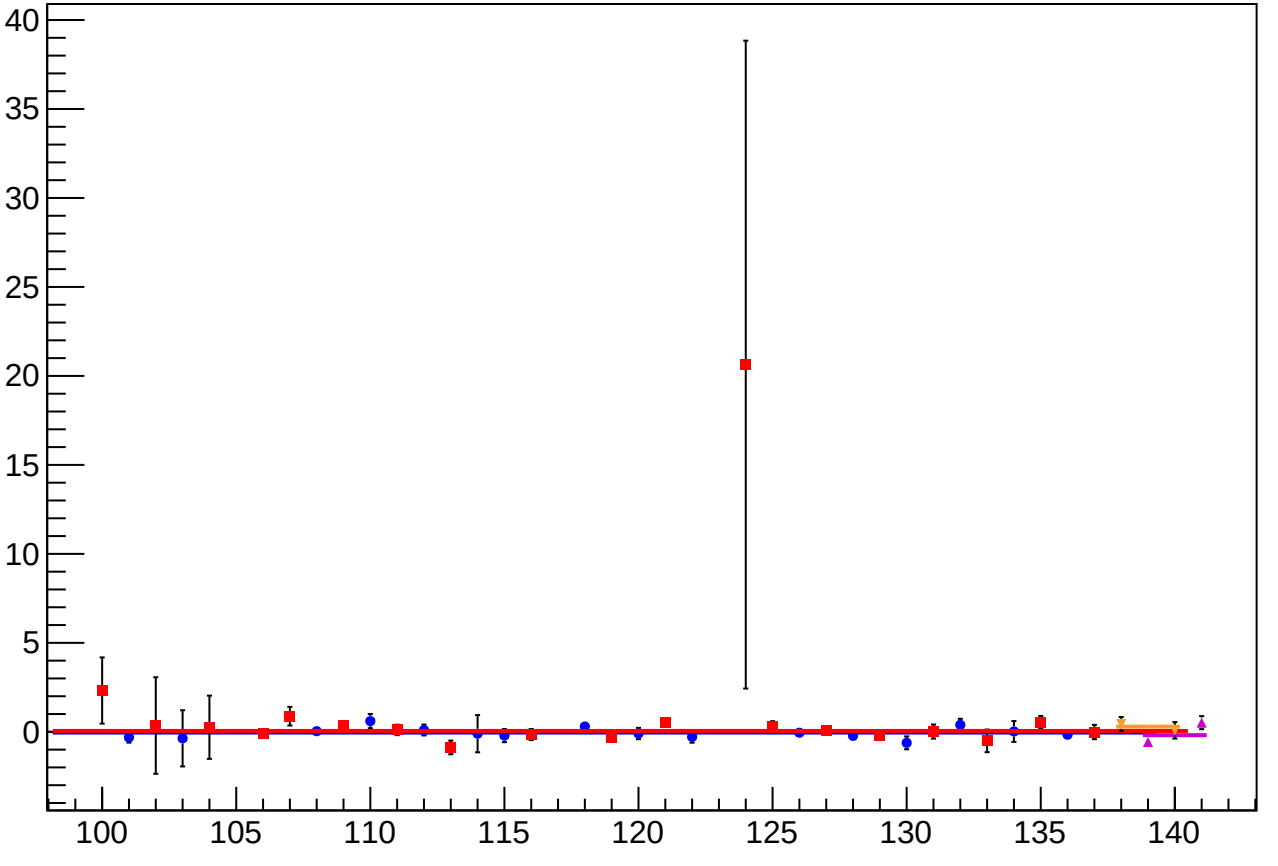
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:6246162.9/17

Out: 0.008+/-0.000 χ^2/NDF:4956341.5/20

All: 0.008+/-0.000 χ^2/NDF: 11204596.2/38

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.292+/-0.299 χ^2/NDF:0.3/1

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.187+/-0.219 χ^2/NDF:5.6/1

Left: -0.020+/-0.177 χ^2/NDF: 7.6/3

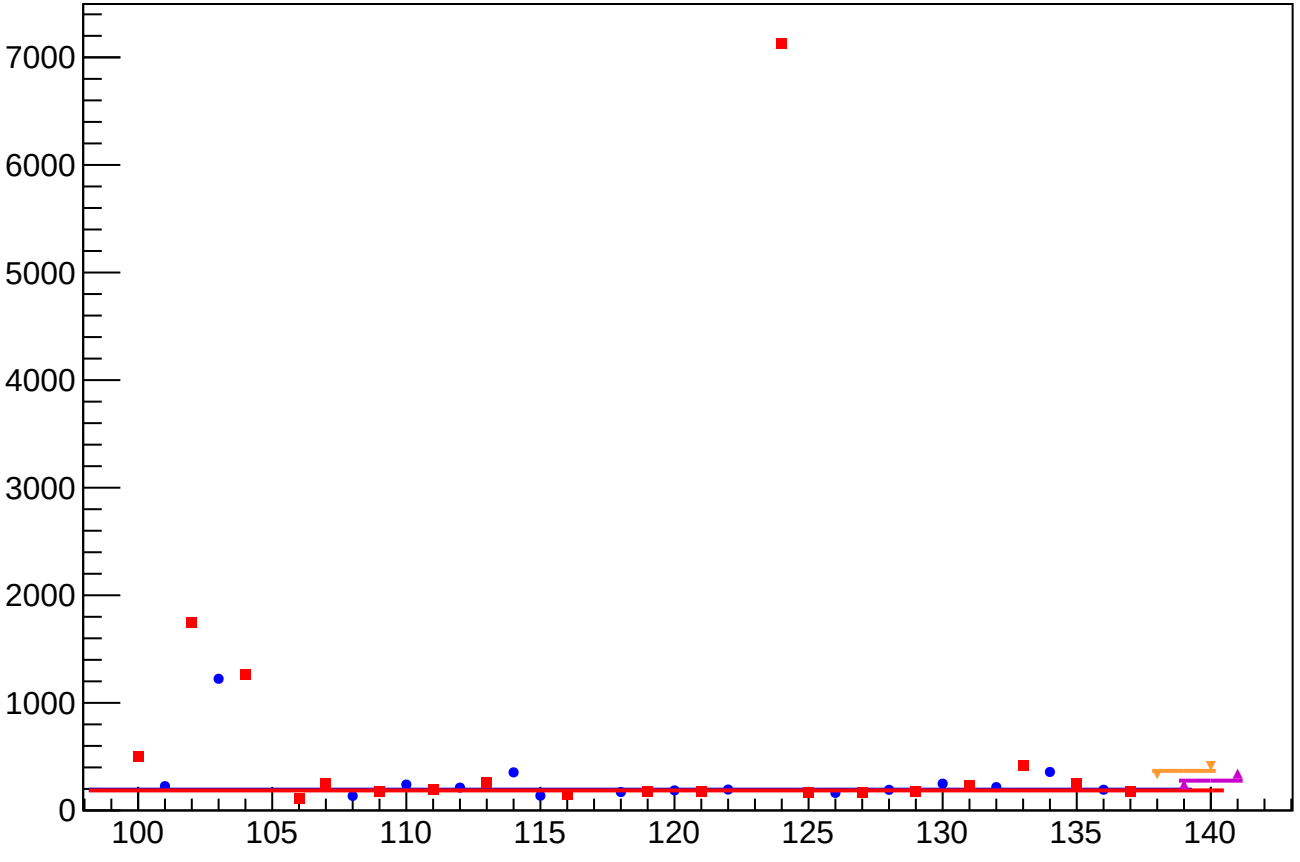
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.057+/-0.073 χ^2/NDF:17.7/17

Out: 0.065+/-0.076 χ^2/NDF:24.0/20

All: 0.001+/-0.053 χ^2/NDF: 43.1/38

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 367.854+/-0.212 χ^2/NDF:32207.9/1

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 276.971+/-0.155 χ^2/NDF:97901.9/1

Left: 308.670+/-0.125 χ^2/NDF: 250313.2/3

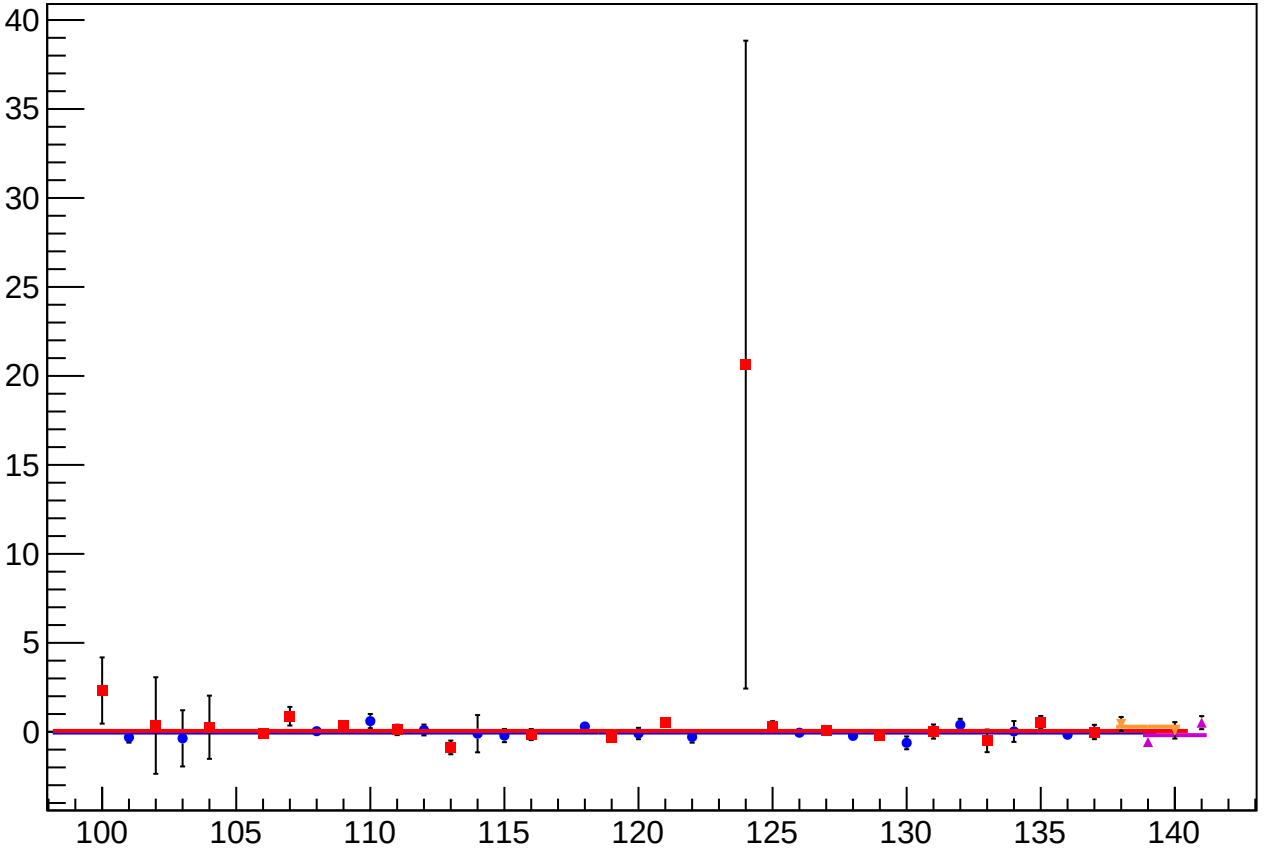
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 202.624+/-0.052 χ^2/NDF:1766013.3/17

Out: 198.148+/-0.054 χ^2/NDF:3199587.9/20

All: 200.474+/-0.037 χ^2/NDF: 4969186.8/38

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.292+/-0.299 χ^2/NDF:0.3/1

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.187+/-0.219 χ^2/NDF:5.6/1

Left: -0.020+/-0.177 χ^2/NDF: 7.6/3

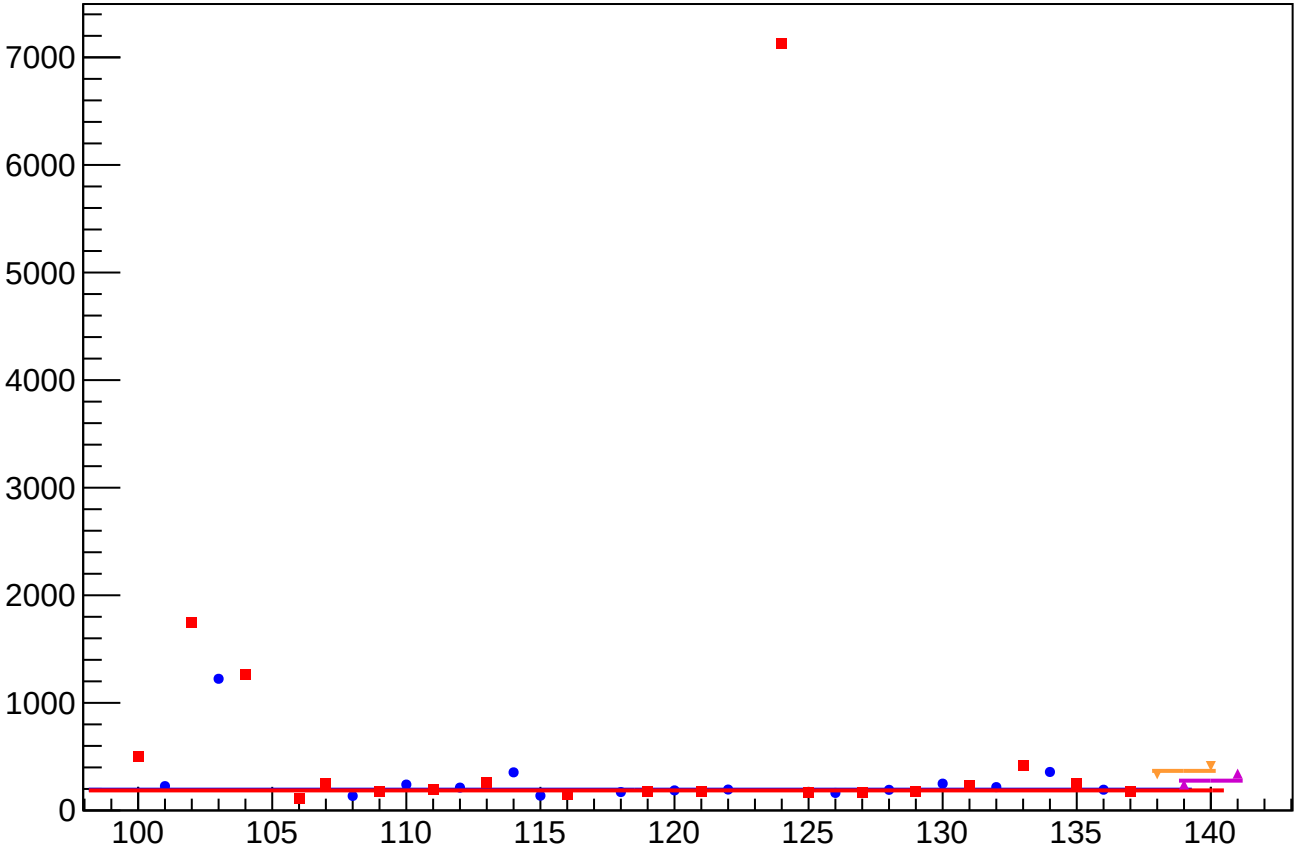
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.057+/-0.073 χ^2/NDF:17.7/17

Out: 0.065+/-0.076 χ^2/NDF:24.0/20

All: 0.001+/-0.053 χ^2/NDF: 43.1/38

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 367.854+/-0.212 χ^2/NDF:32207.9/1

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 276.971+/-0.155 χ^2/NDF:97901.9/1

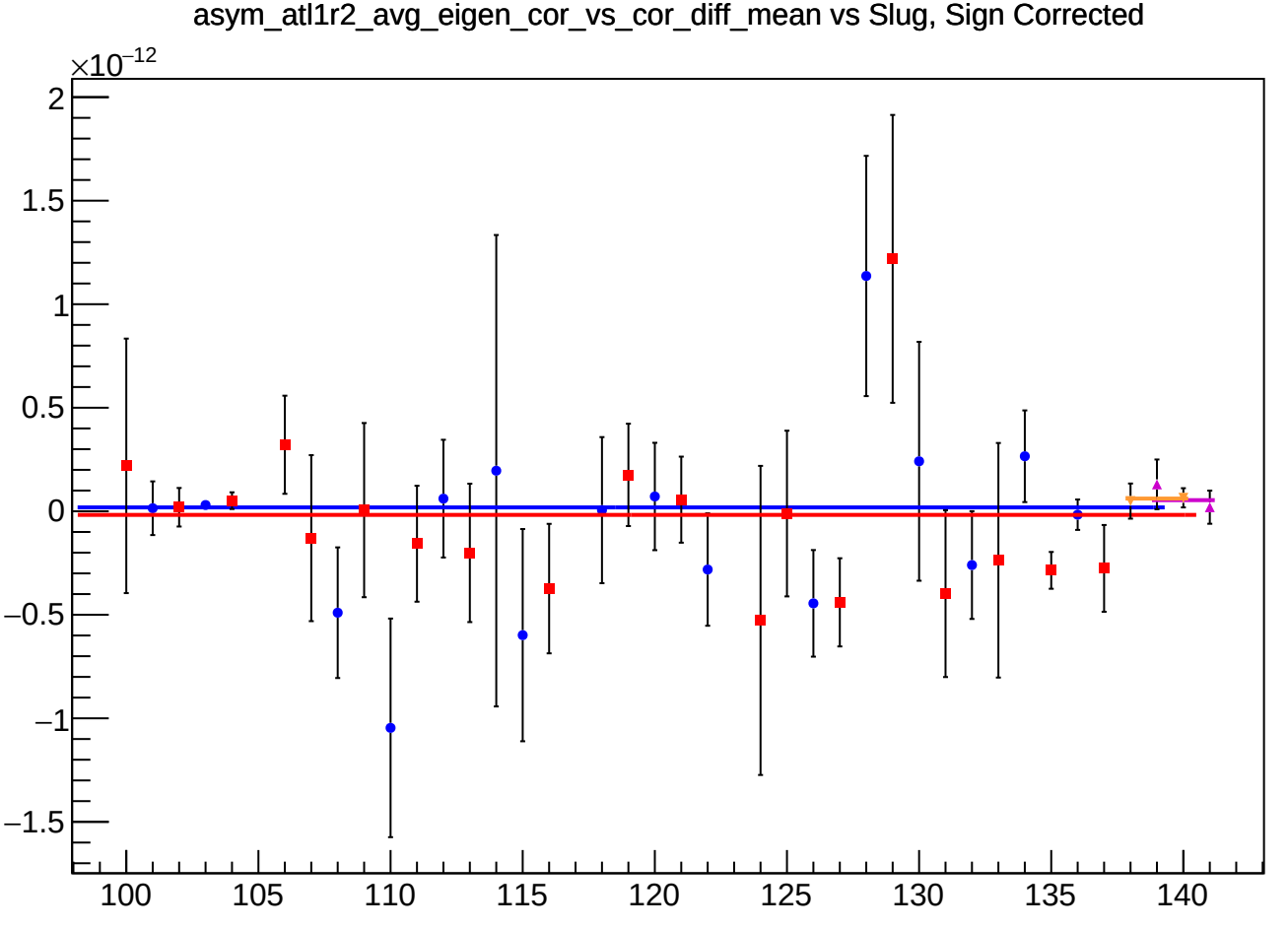
Left: 308.670+/-0.125 χ^2/NDF: 250313.2/3

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 202.624+/-0.052 χ^2/NDF:1766013.3/17

Out: 198.148+/-0.054 χ^2/NDF:3199587.9/20

All: 200.474+/-0.037 χ^2/NDF: 4969186.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/1

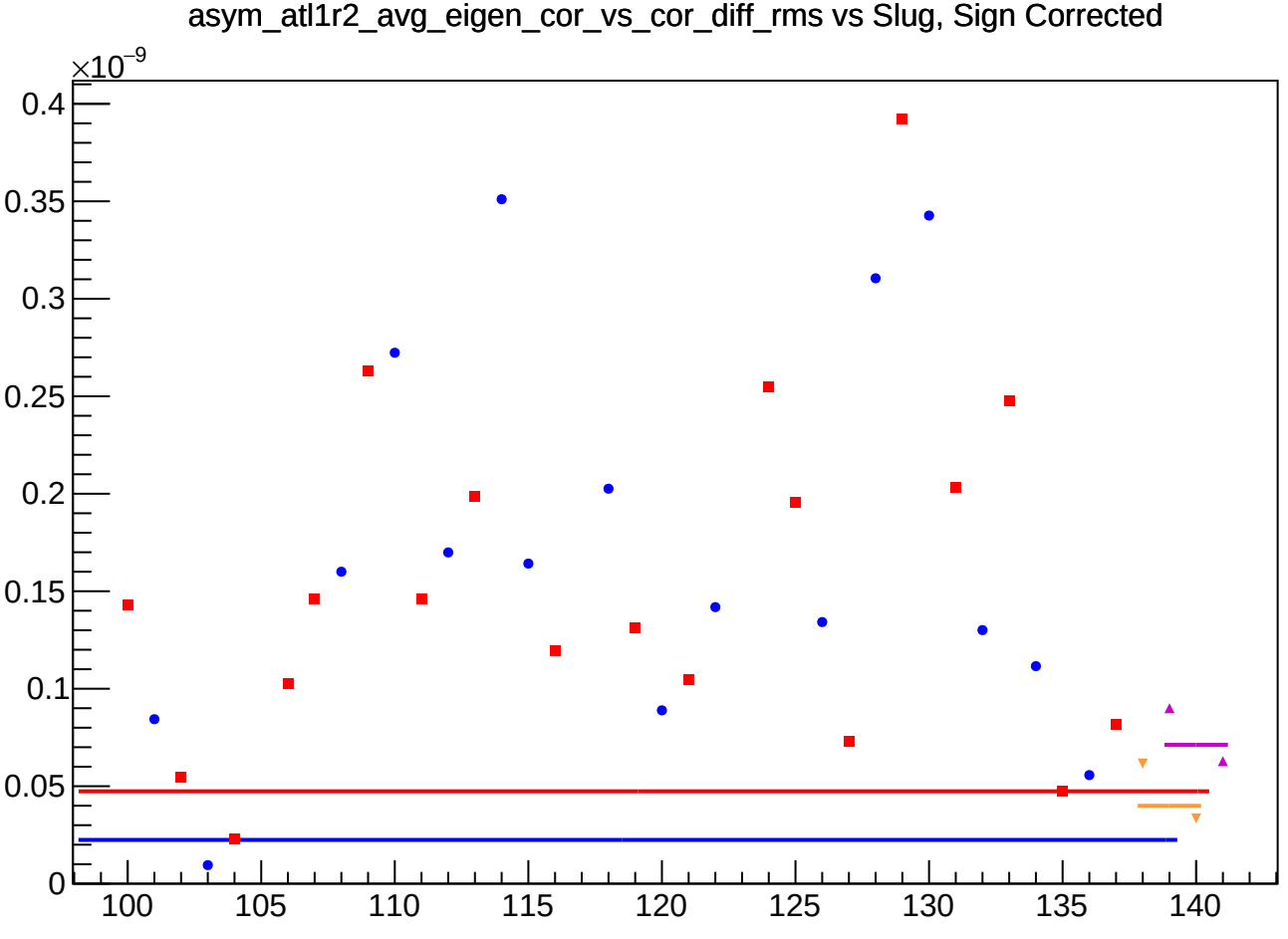
Left: 0.000+/-0.000 χ^2/NDF: 0.6/3

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:20.2/17

Out: 0.000+/-0.000 χ^2/NDF:29.5/20

All: 0.000+/-0.000 χ^2/NDF: 49.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:169651.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:70835.8/1

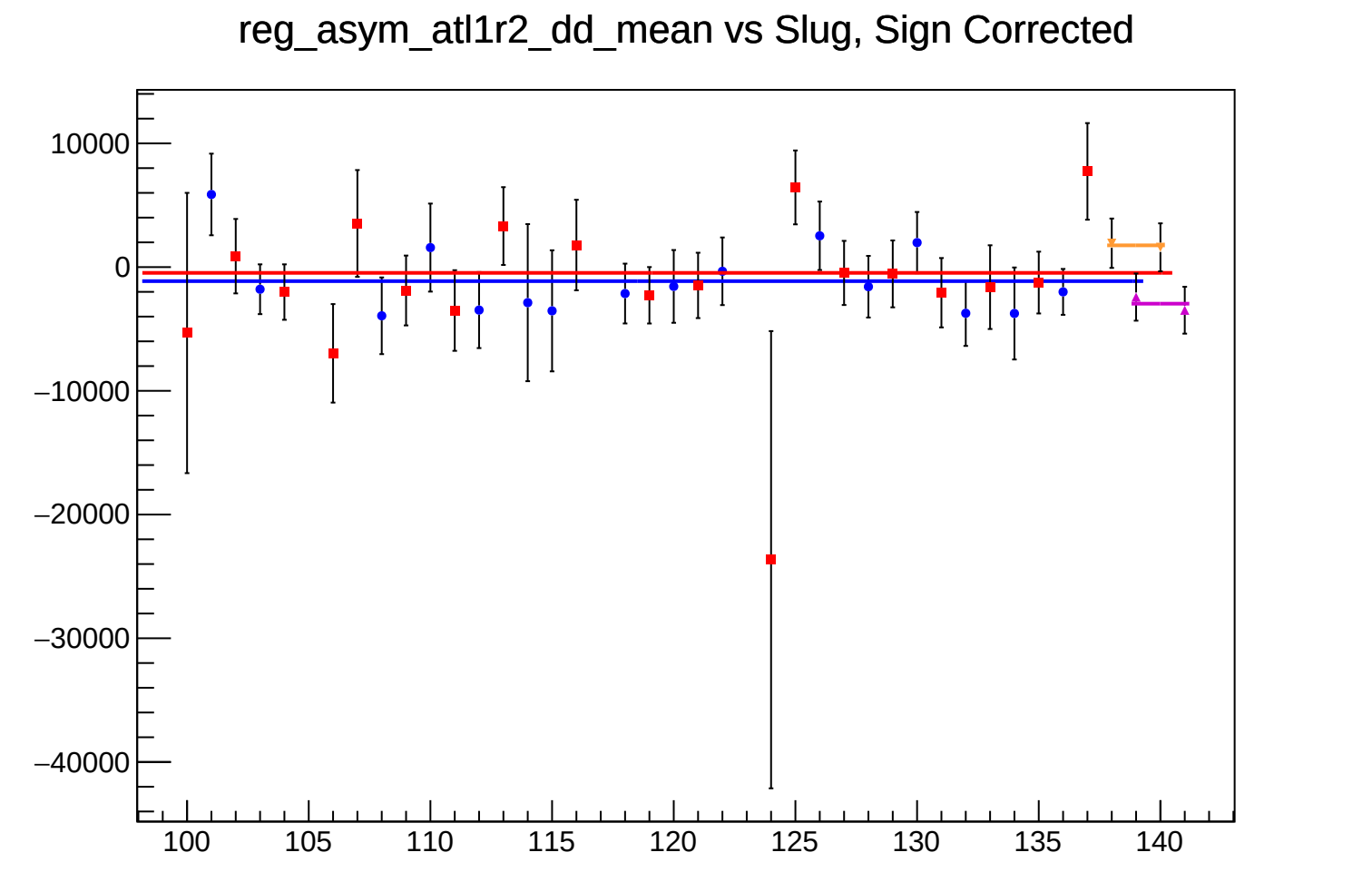
Left: 0.000+/-0.000 χ^2/NDF: 561794.9/3

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:7460110.2/17

Out: 0.000+/-0.000 χ^2/NDF:4447819.5/20

All: 0.000+/-0.000 χ^2/NDF: 12549256.5/38



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1759.163+/-1390.294 χ^2/NDF:0.0/1

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -2957.030+/-1343.467 χ^2/NDF:0.2/1

Left: -679.694+/-966.105 χ^2/NDF: 6.1/3

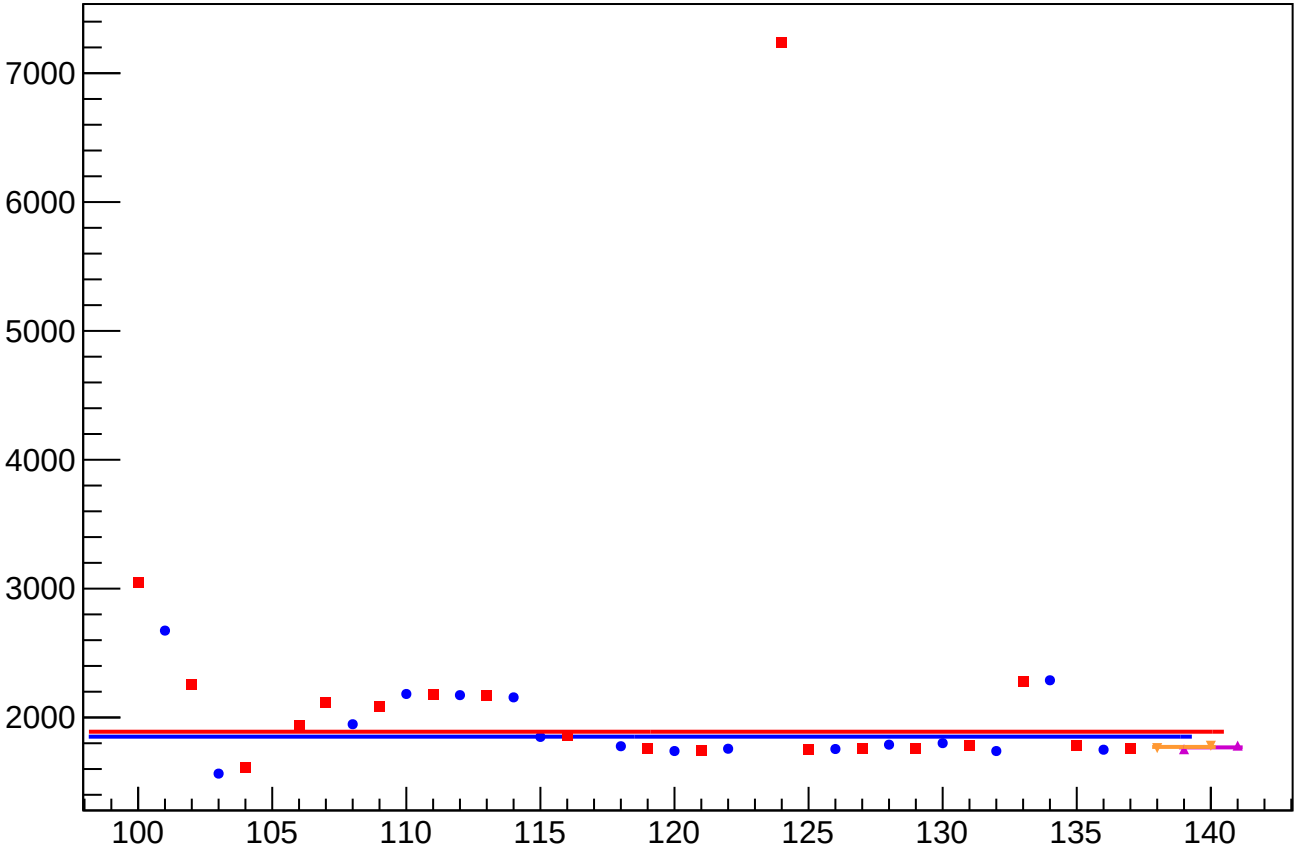
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1518.309+/-616.438 χ^2/NDF:13.8/17

Out: -9.527+/-629.435 χ^2/NDF:22.1/20

All: -779.657+/-440.411 χ^2/NDF: 38.8/38

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1771.539+/-0.983 χ^2/NDF:85.7/1

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1767.901+/-0.950 χ^2/NDF:213.6/1

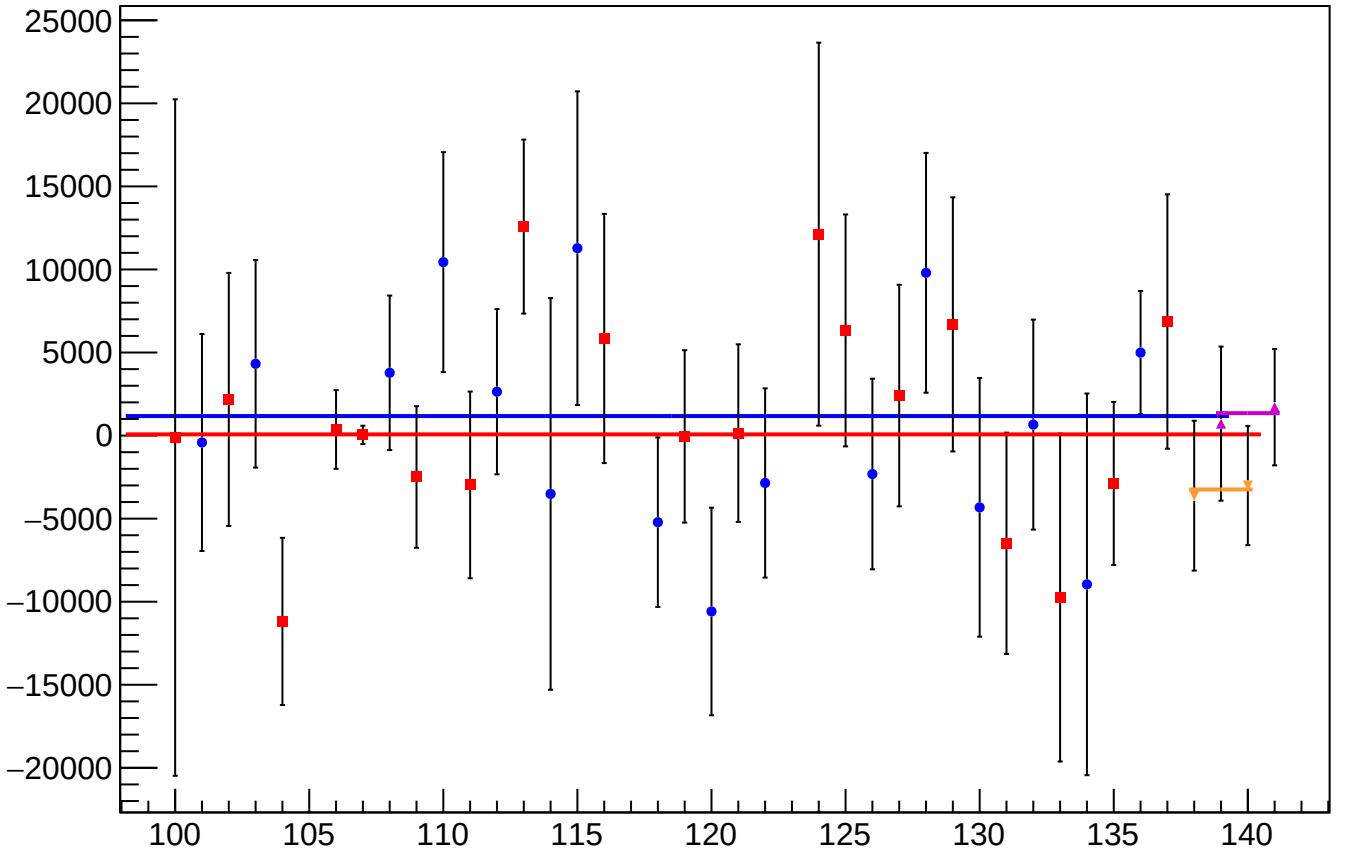
Left: 1769.658+/-0.683 χ^2/NDF: 306.4/3

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1833.608+/-0.436 χ^2/NDF:266255.0/17

Out: 1865.433+/-0.444 χ^2/NDF:370451.2/20

All: 1849.218+/-0.311 χ^2/NDF: 639320.8/38



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -3244.198+/-2809.305 χ^2/NDF:0.0/1

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: 1351.260+/-2796.007 χ^2/NDF:0.0/1

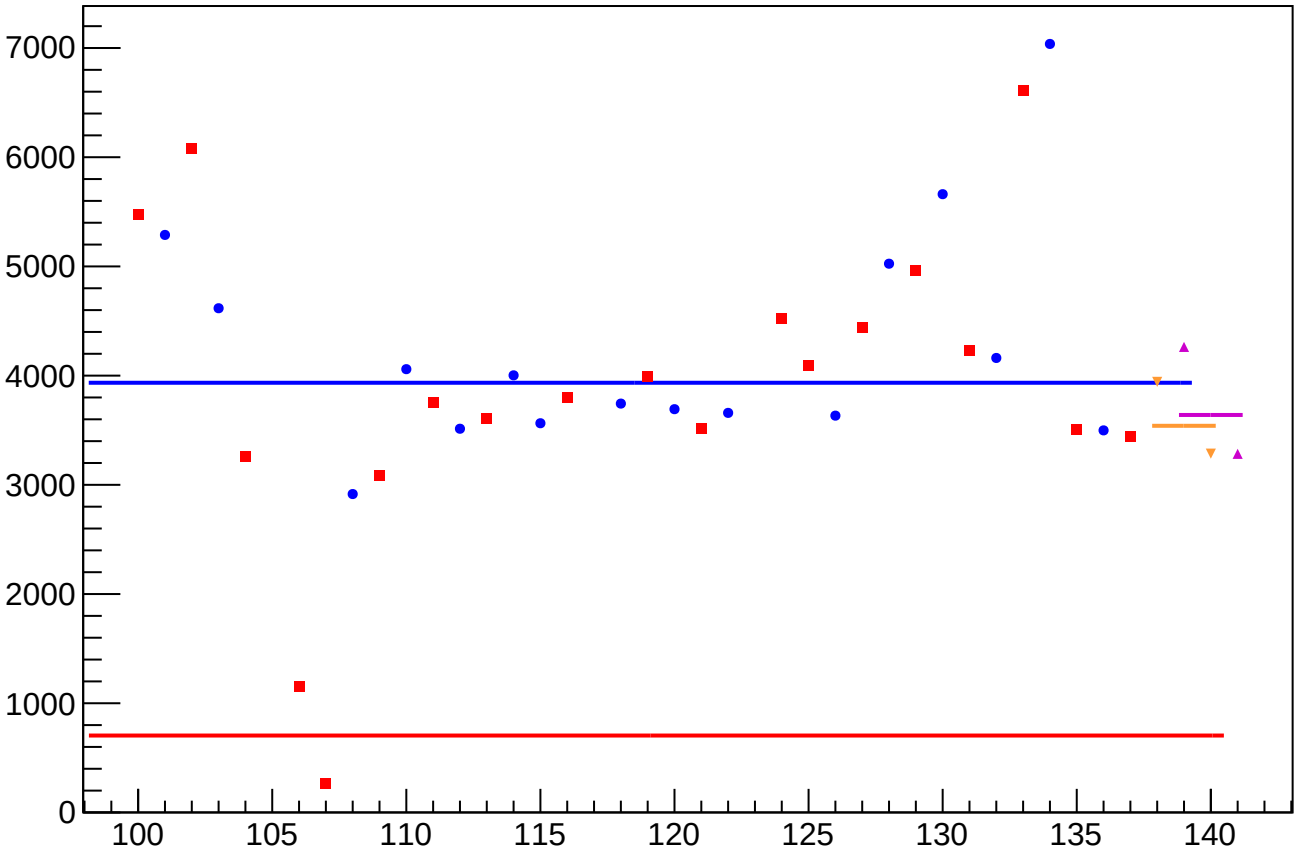
Left: -935.567+/-1981.760 χ^2/NDF: 1.4/3

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 1214.813+/-1323.254 χ^2/NDF:13.8/17

Out: -31.420+/-497.694 χ^2/NDF:19.3/20

All: 123.026+/-465.835 χ^2/NDF: 33.8/38



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3540.622+/-1.986 χ^2/NDF:26001.0/1

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3639.801+/-1.977 χ^2/NDF:56738.4/1

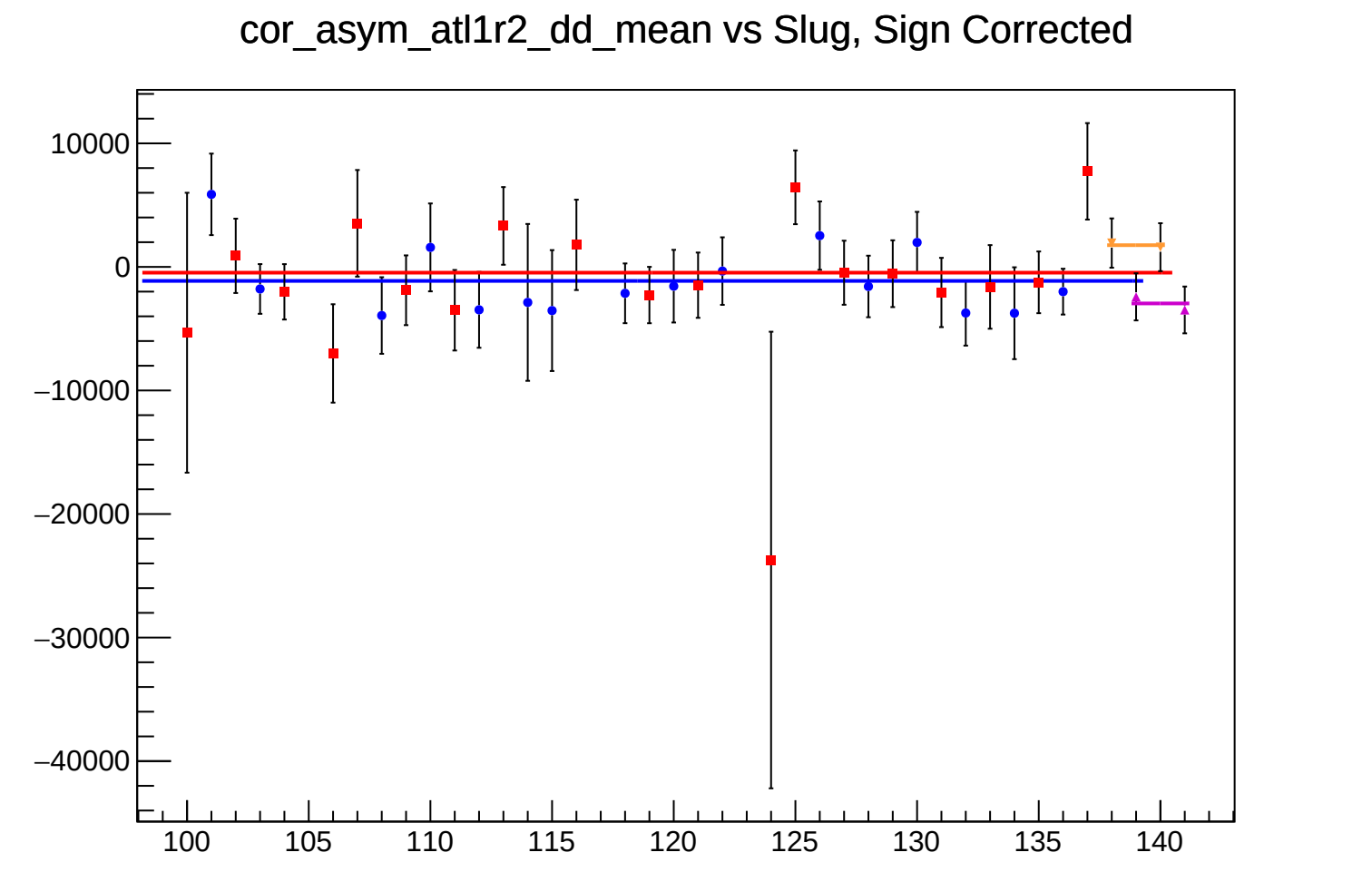
Left: 3590.447+/-1.401 χ^2/NDF: 83991.6/3

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3868.663+/-0.936 χ^2/NDF:634131.3/17

Out: 793.402+/-0.352 χ^2/NDF:12619194.4/20

All: 1174.519+/-0.329 χ^2/NDF: 22716697.6/3



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1759.128+/-1390.294 χ^2/NDF:0.0/1

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -2956.911+/-1343.467 χ^2/NDF:0.2/1

Left: -679.649+/-966.105 χ^2/NDF: 6.1/3

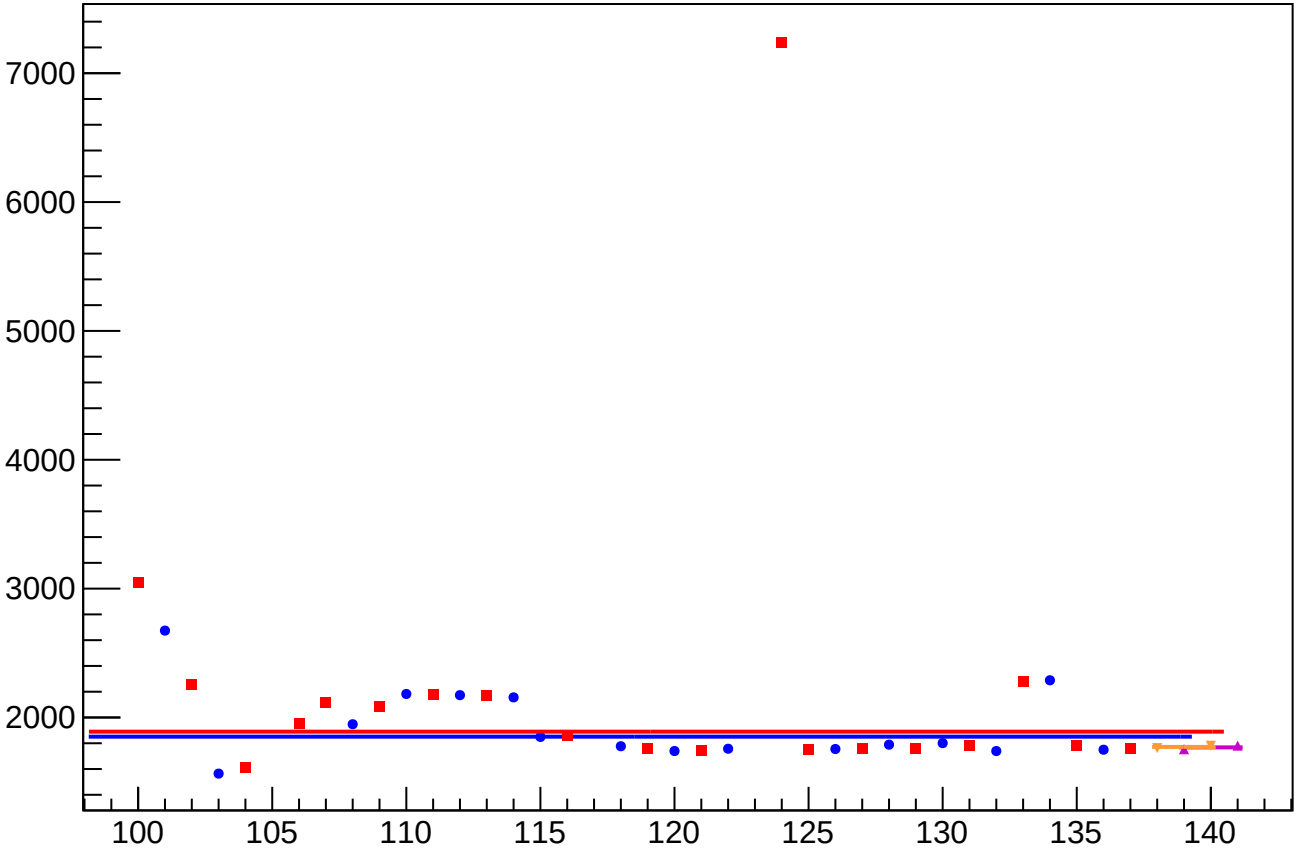
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1517.947+/-616.438 χ^2/NDF:13.8/17

Out: -9.835+/-629.436 χ^2/NDF:22.1/20

All: -779.624+/-440.411 χ^2/NDF: 38.9/38

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1771.539+/-0.983 χ^2/NDF:85.7/1

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1767.901+/-0.950 χ^2/NDF:213.6/1

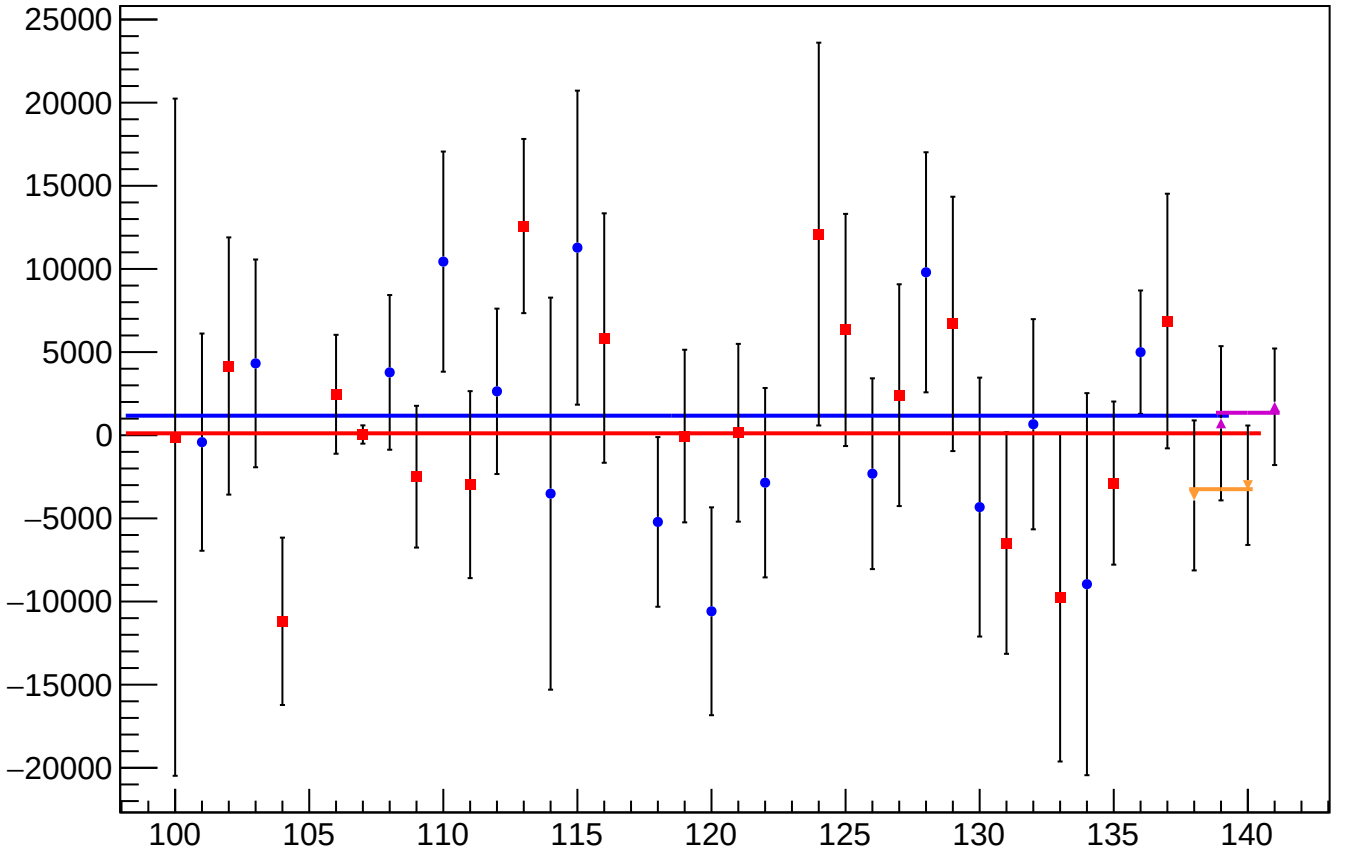
Left: 1769.658+/-0.683 χ^2/NDF: 306.4/3

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1833.608+/-0.436 χ^2/NDF:266254.2/17

Out: 1865.789+/-0.444 χ^2/NDF:370759.0/20

All: 1849.389+/-0.311 χ^2/NDF: 639686.1/38



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -3243.980+/-2809.295 χ^2/NDF:0.0/1

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 1351.369+/-2796.002 χ^2/NDF:0.0/1

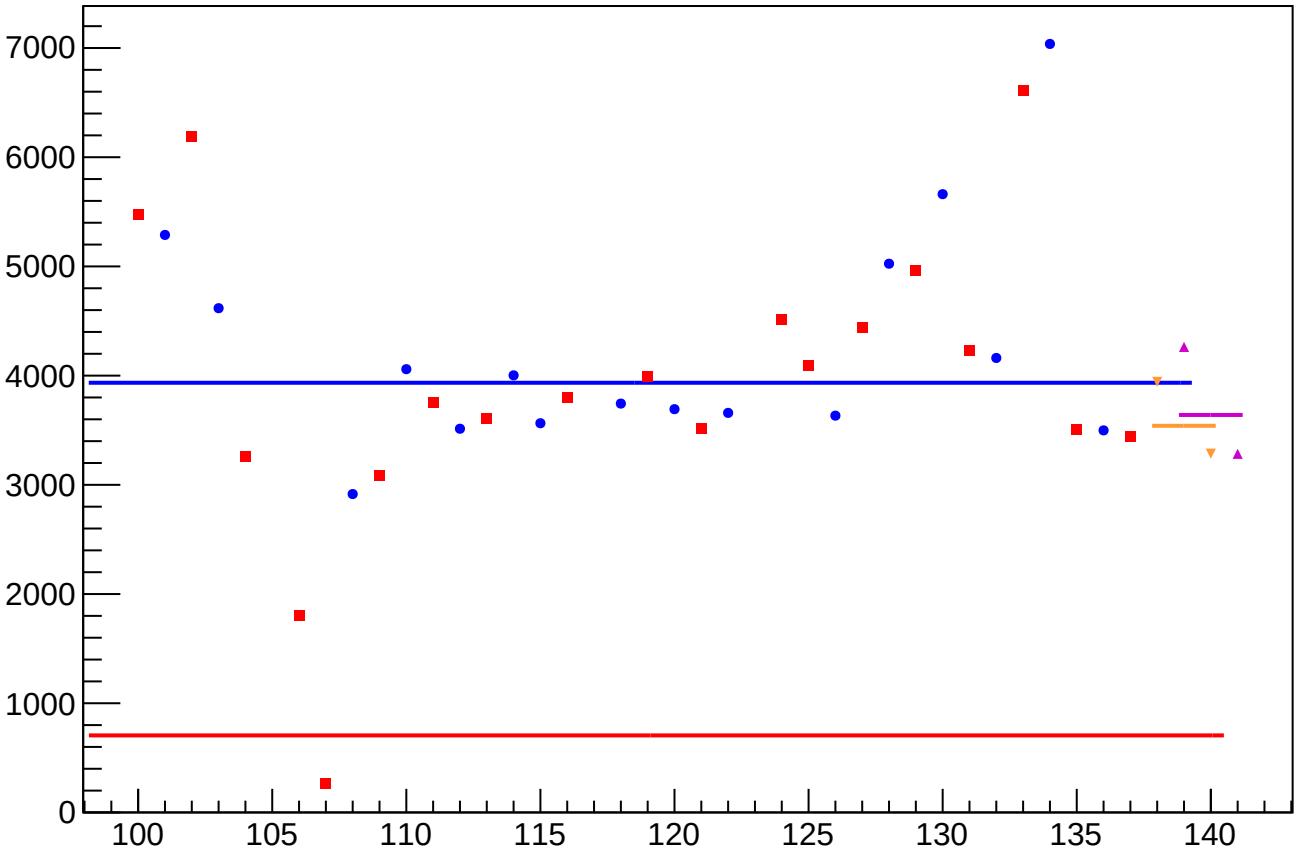
Left: -935.407+/-1981.755 χ^2/NDF: 1.4/3

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 1214.820+/-1323.258 χ^2/NDF:13.8/17

Out: 7.785+/-503.978 χ^2/NDF:20.0/20

All: 160.692+/-470.976 χ^2/NDF: 34.4/38



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3540.608+/-1.986 χ^2/NDF:26001.1/1

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3639.795+/-1.977 χ^2/NDF:56738.3/1

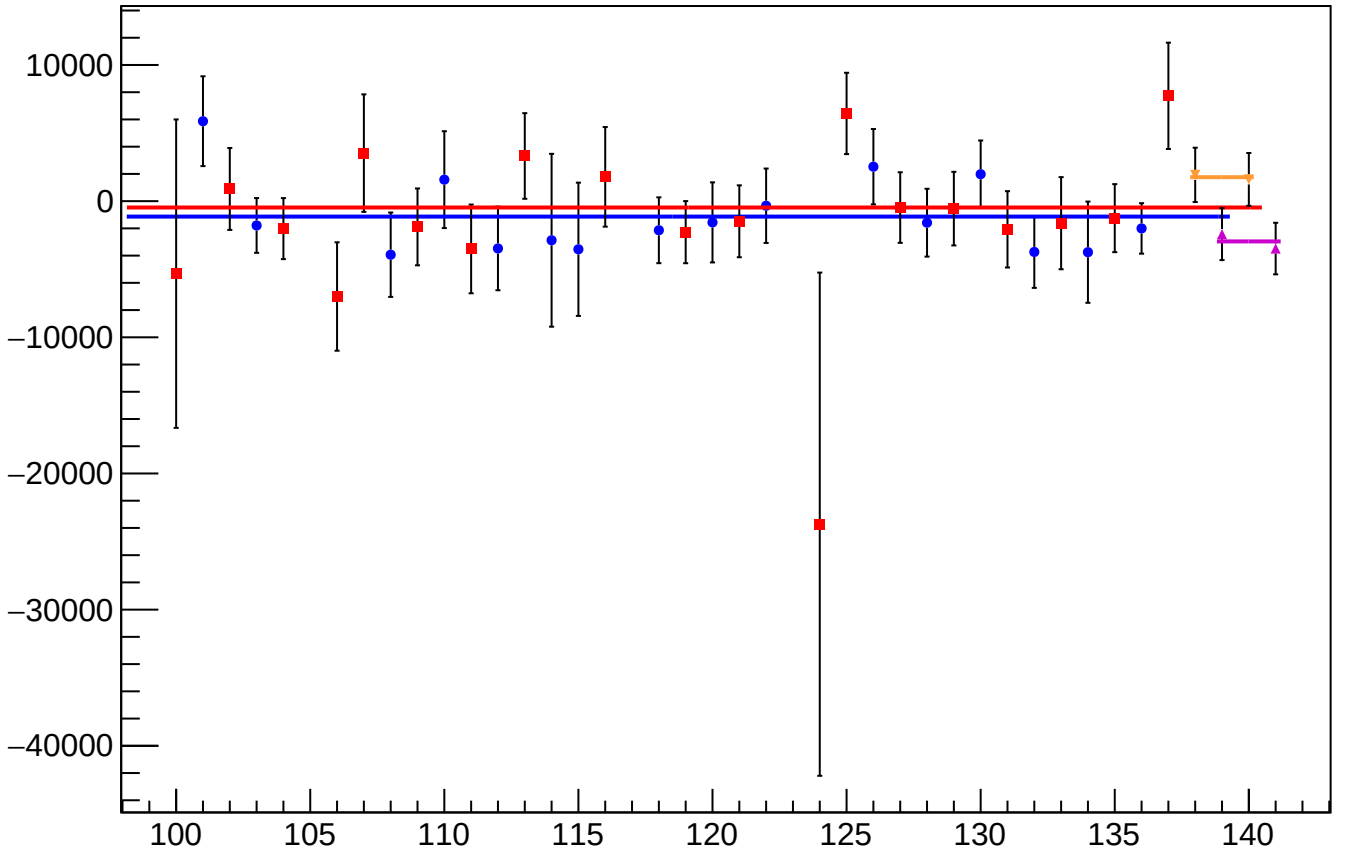
Left: 3590.436+/-1.401 χ^2/NDF: 83991.8/3

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3868.667+/-0.936 χ^2/NDF:634157.3/17

Out: 796.859+/-0.356 χ^2/NDF:12744409.2/20

All: 1185.995+/-0.333 χ^2/NDF: 22791017.5/3



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1759.128+/-1390.294 χ^2/NDF:0.0/1

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -2956.911+/-1343.467 χ^2/NDF:0.2/1

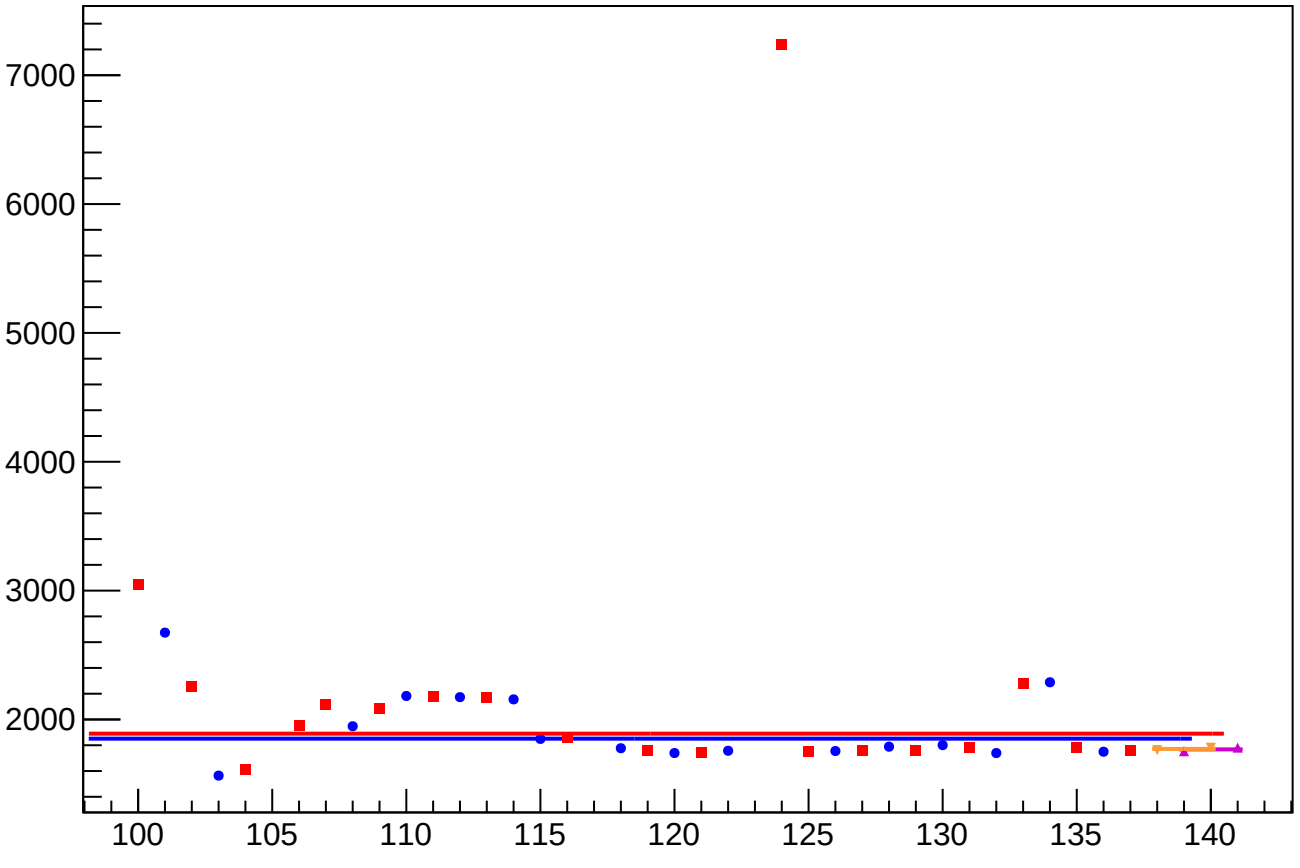
Left: -679.649+/-966.105 χ^2/NDF: 6.1/3

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1517.947+/-616.438 χ^2/NDF:13.8/17

Out: -9.835+/-629.436 χ^2/NDF:22.1/20

All: -779.624+/-440.411 χ^2/NDF: 38.9/38



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1771.539+/-0.983 χ^2/NDF:85.7/1

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1767.901+/-0.950 χ^2/NDF:213.6/1

Left: 1769.658+/-0.683 χ^2/NDF: 306.4/3

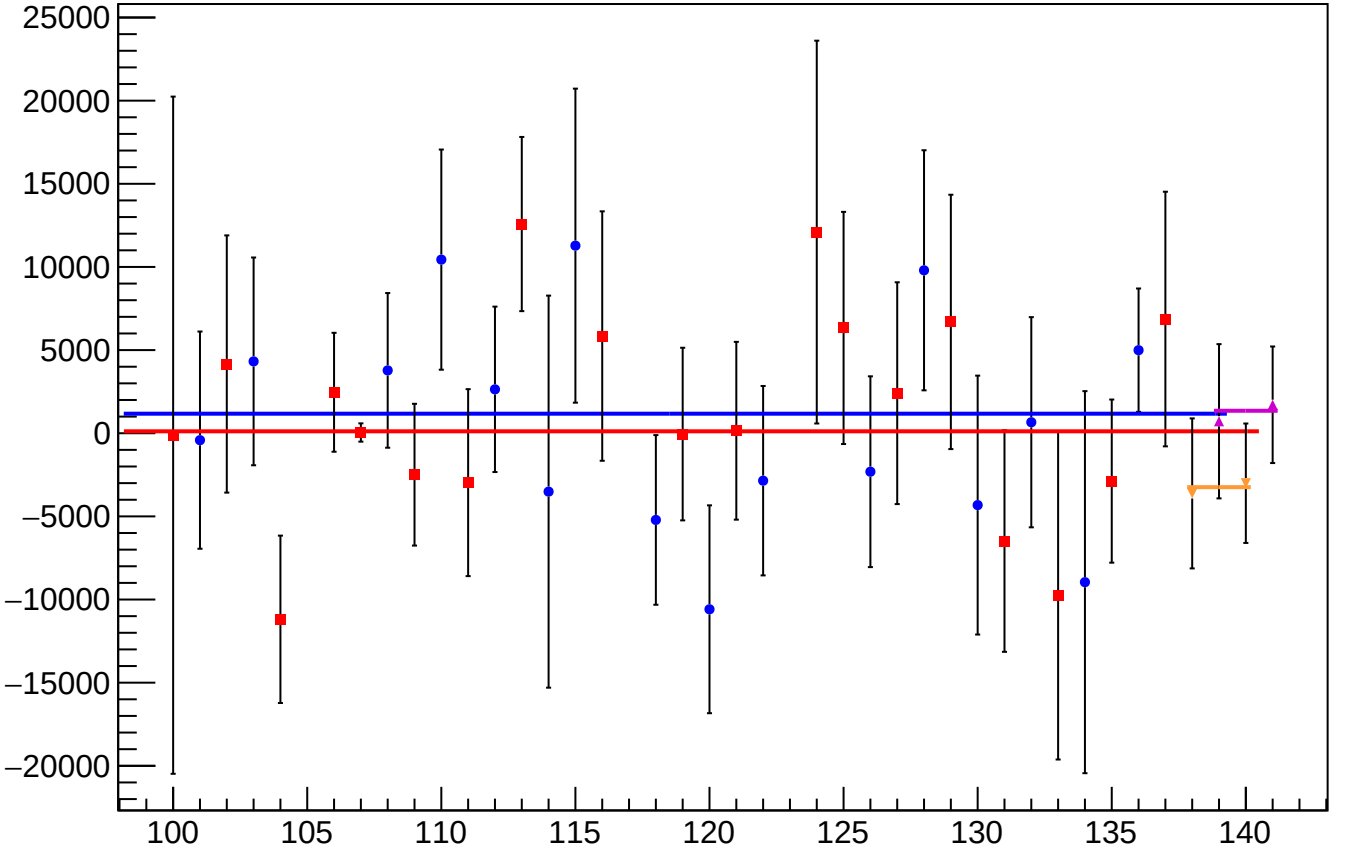
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1833.608+/-0.436 χ^2/NDF:266254.2/17

Out: 1865.789+/-0.444 χ^2/NDF:370759.0/20

All: 1849.389+/-0.311 χ^2/NDF: 639686.1/38

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -3243.980+/-2809.295 χ^2/NDF:0.0/1

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 1351.369+/-2796.002 χ^2/NDF:0.0/1

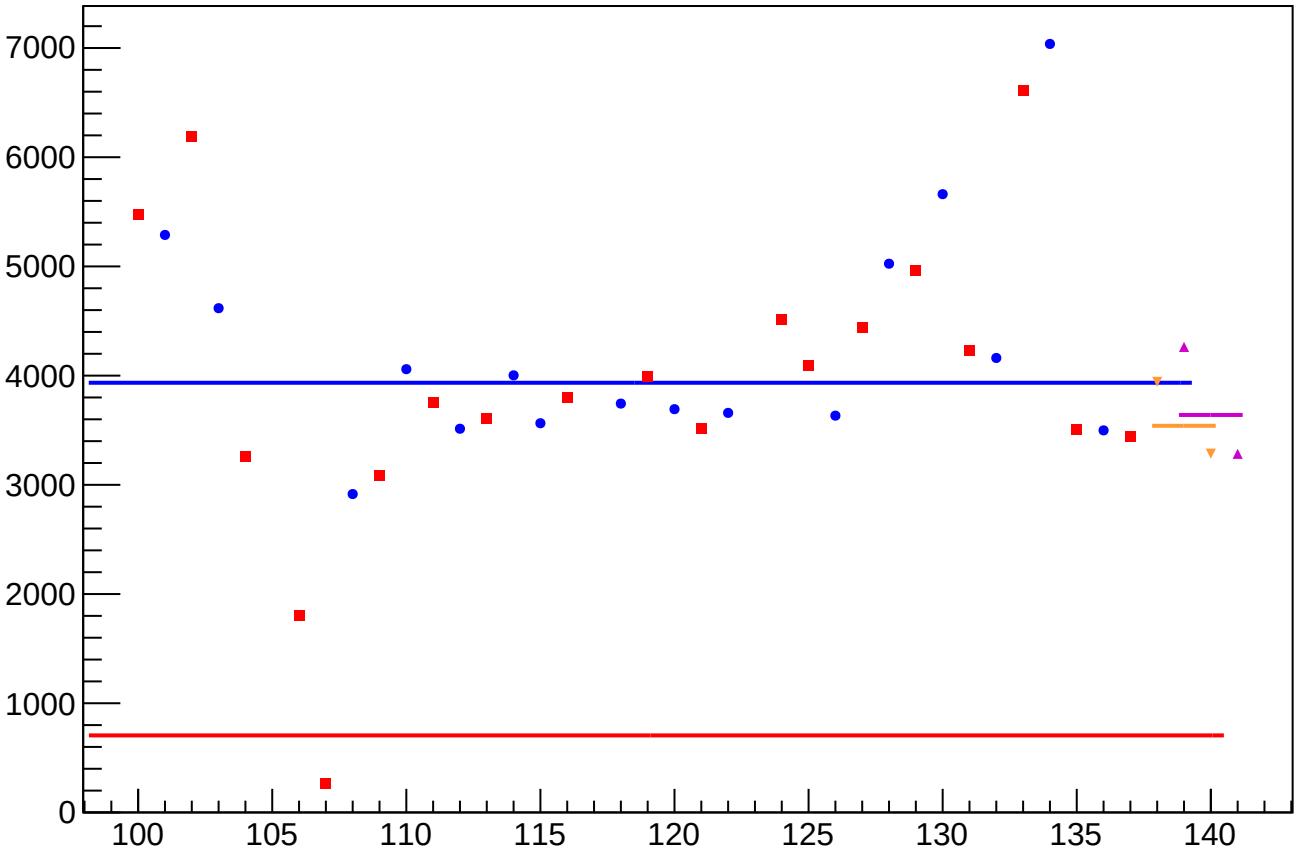
Left: -935.407+/-1981.755 χ^2/NDF: 1.4/3

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 1214.820+/-1323.258 χ^2/NDF:13.8/17

Out: 7.785+/-503.978 χ^2/NDF:20.0/20

All: 160.692+/-470.976 χ^2/NDF: 34.4/38



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3540.608+/-1.986 χ^2/NDF:26001.1/1

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3639.795+/-1.977 χ^2/NDF:56738.3/1

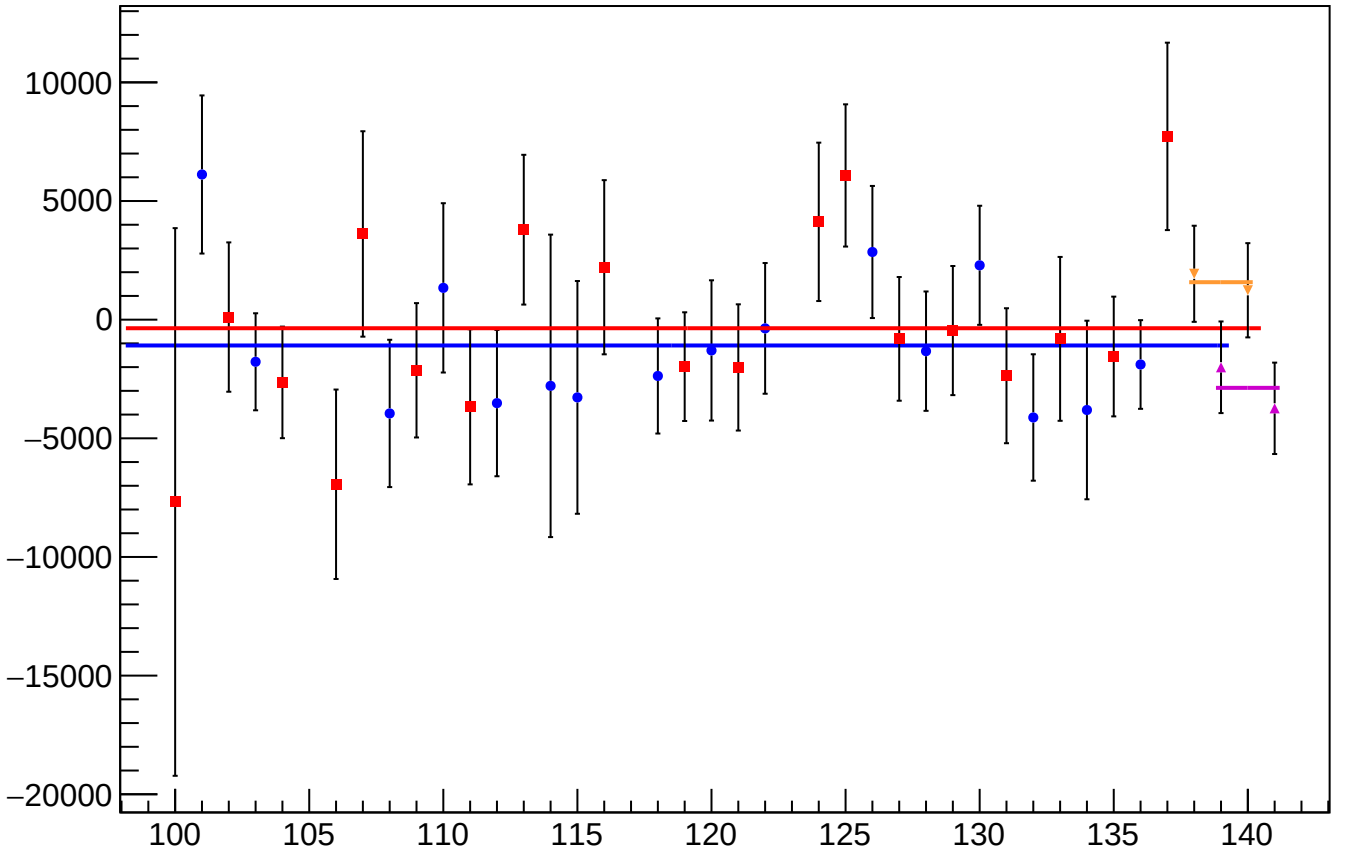
Left: 3590.436+/-1.401 χ^2/NDF: 83991.8/3

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3868.667+/-0.936 χ^2/NDF:634157.3/17

Out: 796.859+/-0.356 χ^2/NDF:12744409.2/20

All: 1185.995+/-0.333 χ^2/NDF: 22791017.5/3



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1579.108+/-1417.805 χ^2/NDF:0.1/1

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -2873.669+/-1363.460 χ^2/NDF:0.4/1

Left: -734.253+/-982.763 χ^2/NDF: 5.6/3

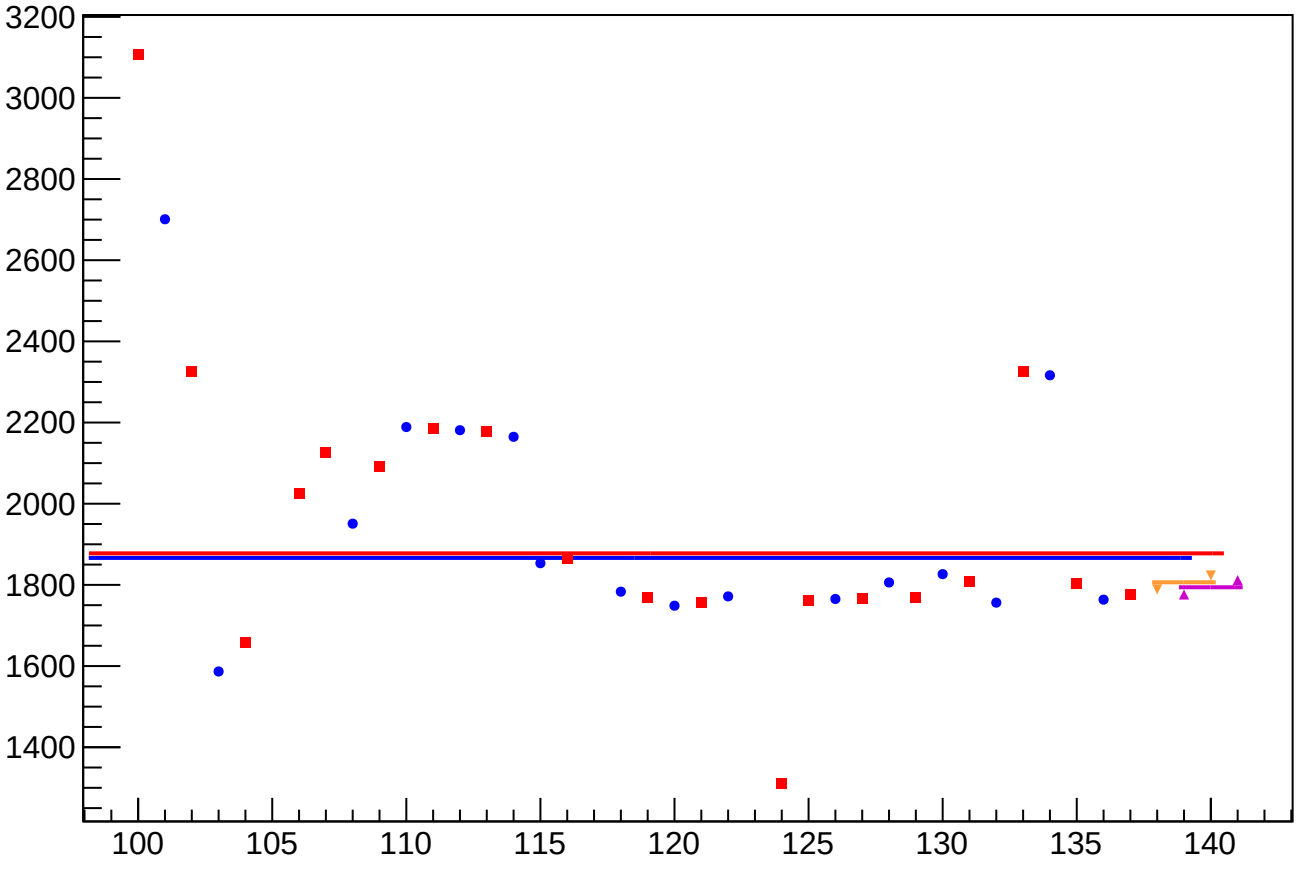
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1459.919+/-622.429 χ^2/NDF:14.9/17

Out: 18.767+/-627.426 χ^2/NDF:22.4/20

All: -726.487+/-441.880 χ^2/NDF: 40.1/38

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1806.398+/-1.003 χ^2/NDF:293.2/1

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1794.126+/-0.964 χ^2/NDF:339.3/1

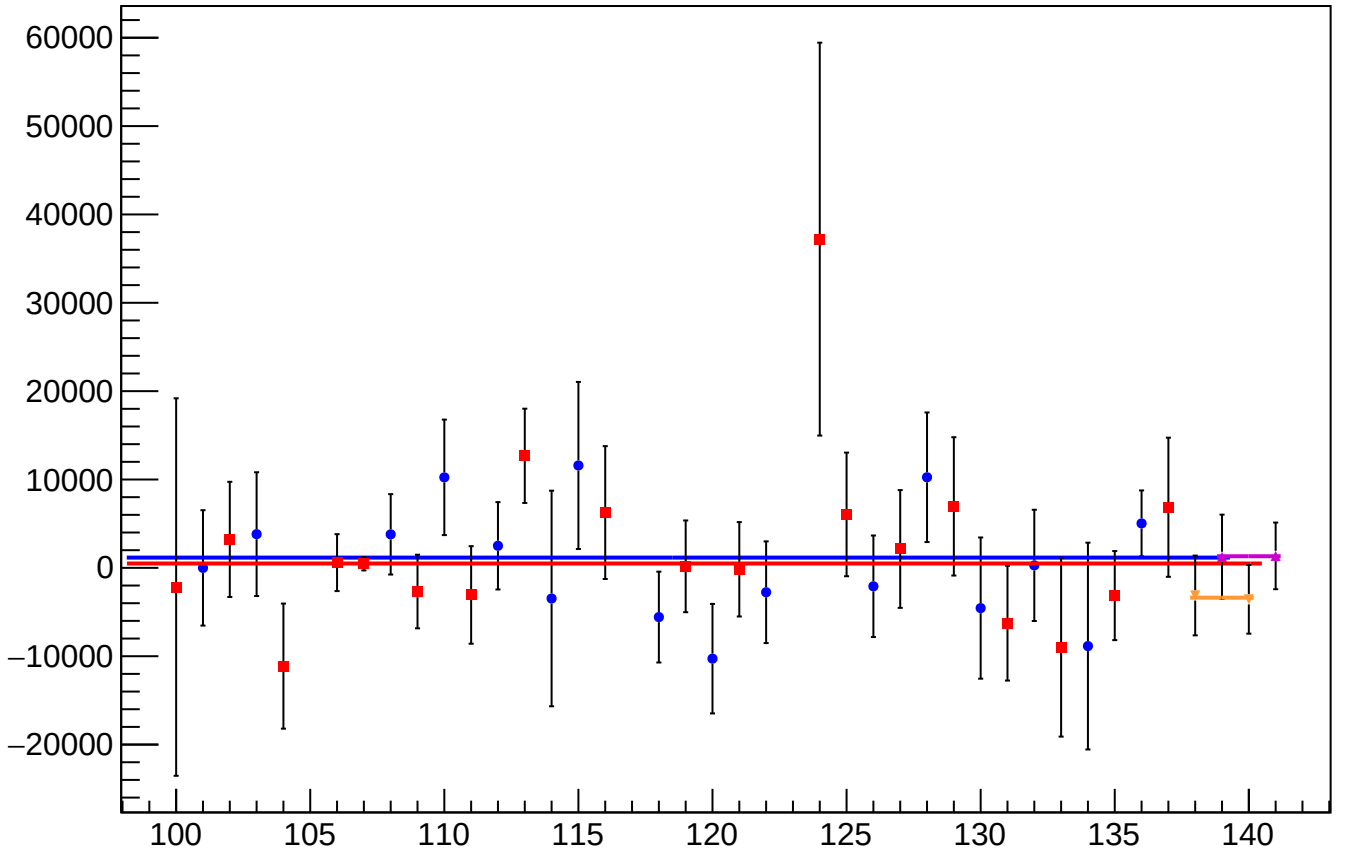
Left: 1800.022+/-0.695 χ^2/NDF: 710.4/3

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1851.382+/-0.440 χ^2/NDF:261057.1/17

Out: 1863.722+/-0.443 χ^2/NDF:256208.0/20

All: 1857.507+/-0.312 χ^2/NDF: 517655.2/38



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -3374.684+/-2945.823 χ^2/NDF:0.0/1

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: 1314.229+/-2960.070 χ^2/NDF:0.0/1

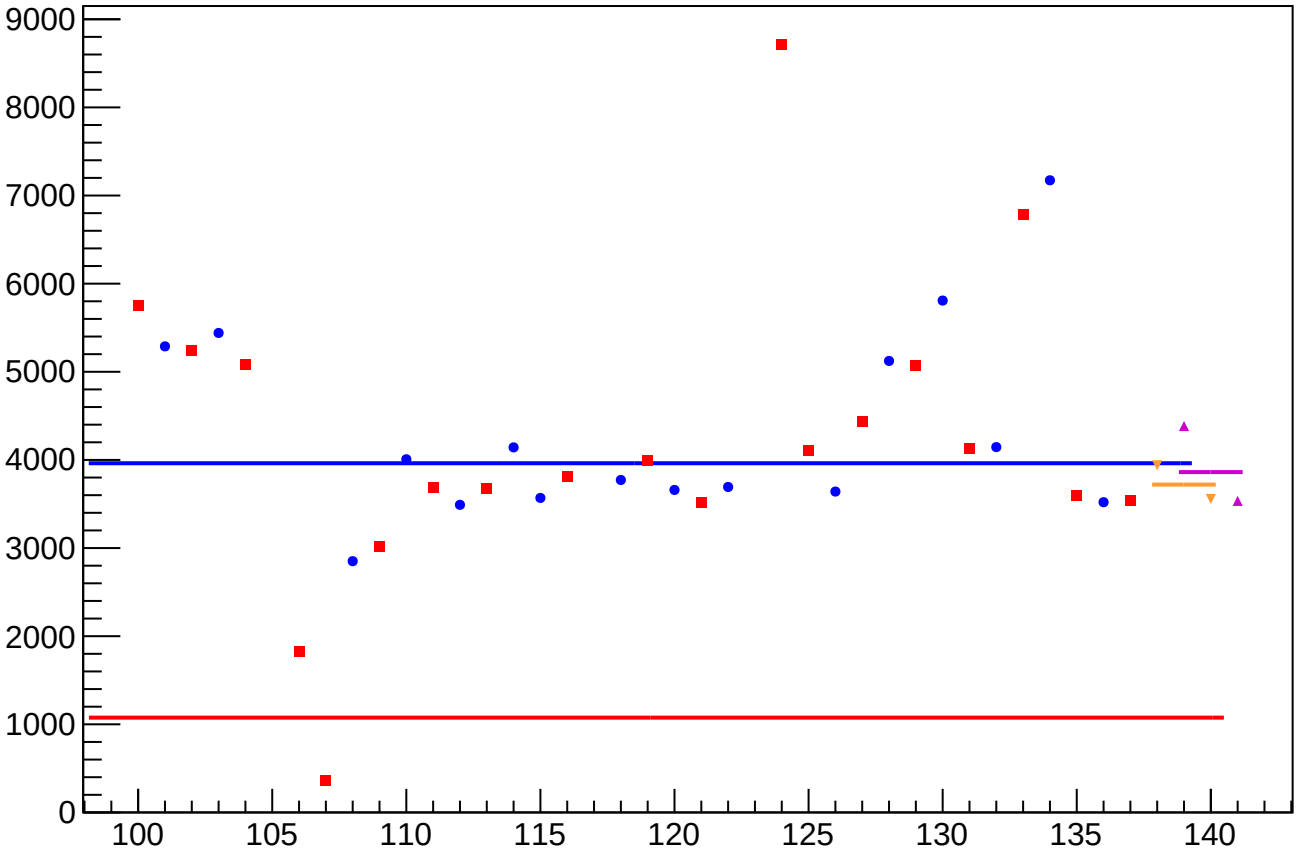
Left: -1041.539+/-2088.030 χ^2/NDF: 1.3/3

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 1192.812+/-1346.667 χ^2/NDF:13.7/17

Out: 308.840+/-642.649 χ^2/NDF:18.6/20

All: 472.809+/-579.992 χ^2/NDF: 32.6/38



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3719.814+/-2.083 χ^2/NDF:8215.5/1

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3861.937+/-2.093 χ^2/NDF:38962.1/1

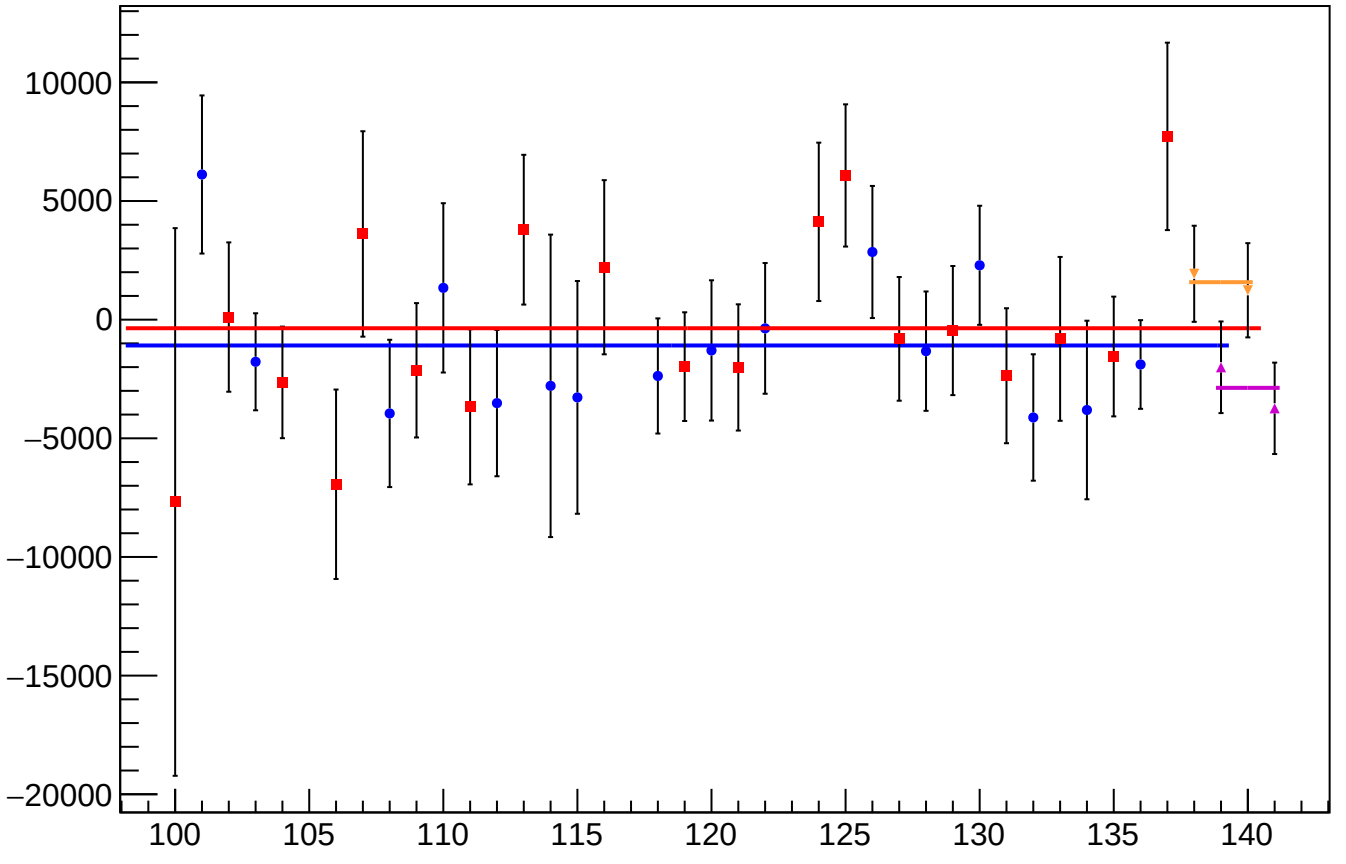
Left: 3790.533+/-1.476 χ^2/NDF: 49494.0/3

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3941.581+/-0.952 χ^2/NDF:709127.4/17

Out: 1201.784+/-0.454 χ^2/NDF:11100907.1/20

All: 1709.993+/-0.410 χ^2/NDF: 18552867.0/3



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1579.113+/-1417.805 χ^2/NDF:0.1/1

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -2873.651+/-1363.460 χ^2/NDF:0.4/1

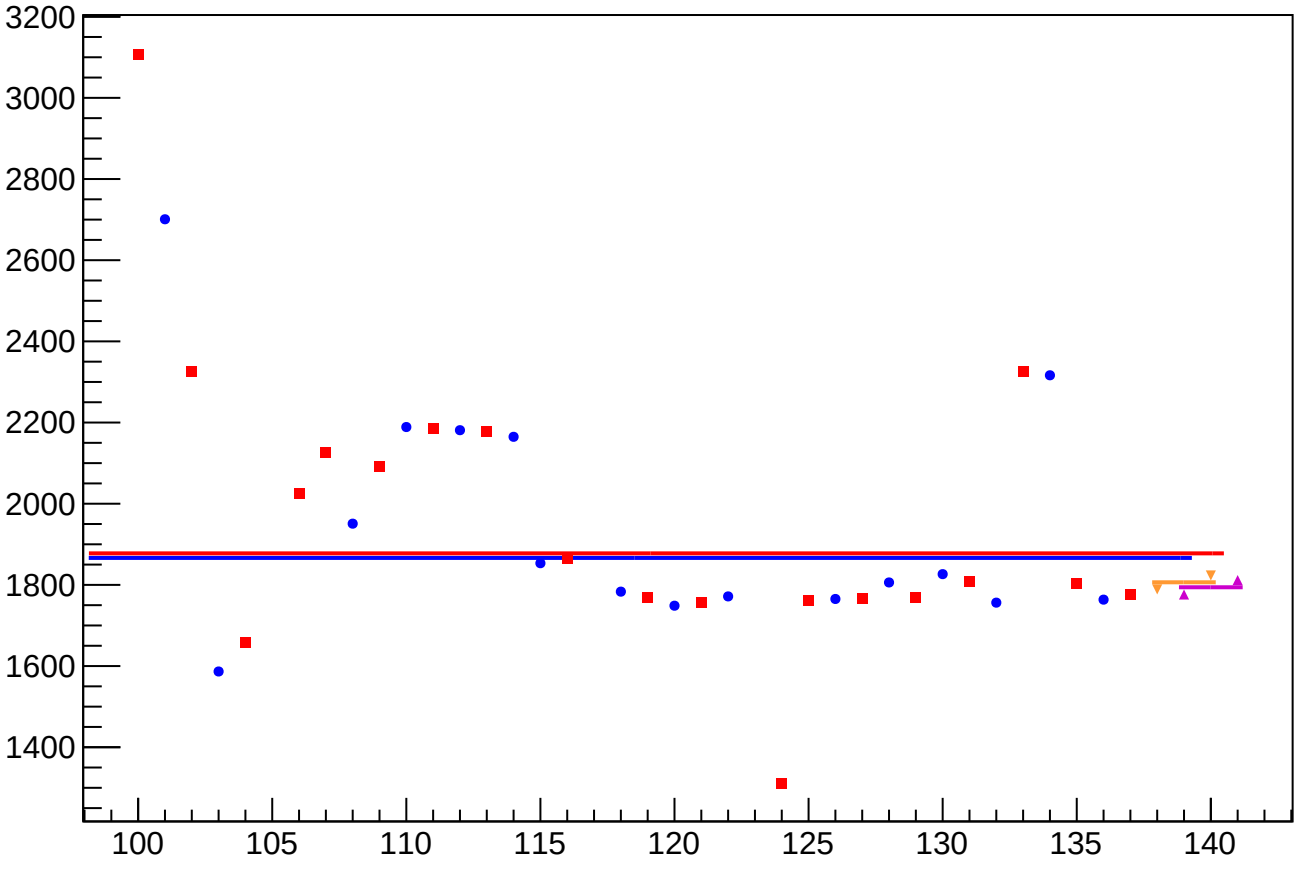
Left: -734.241+/-982.763 χ^2/NDF: 5.6/3

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1459.918+/-622.429 χ^2/NDF:14.9/17

Out: 18.764+/-627.426 χ^2/NDF:22.4/20

All: -726.489+/-441.880 χ^2/NDF: 40.1/38



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1806.398+/-1.003 χ^2/NDF:293.2/1

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1794.126+/-0.964 χ^2/NDF:339.3/1

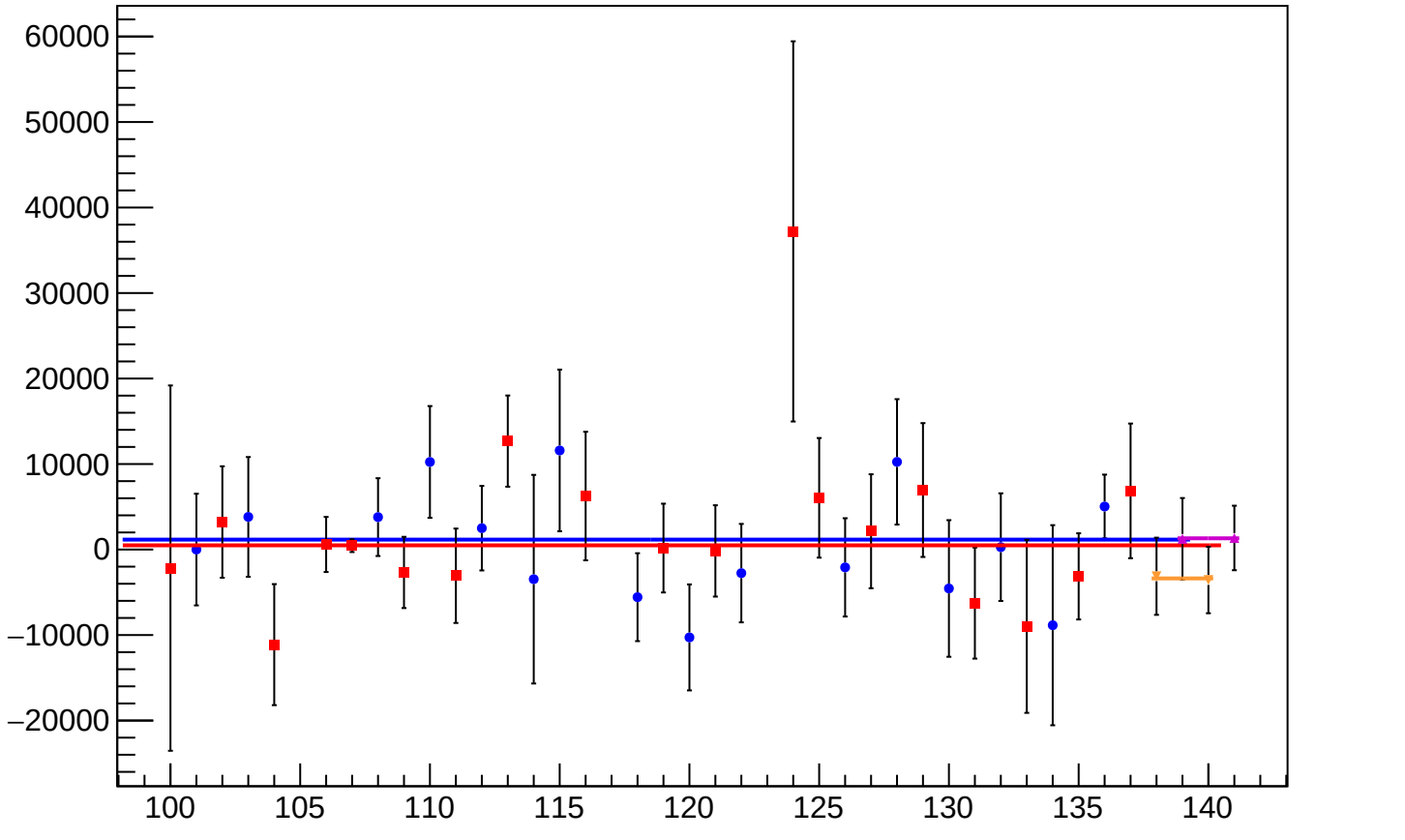
Left: 1800.023+/-0.695 χ^2/NDF: 710.4/3

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1851.382+/-0.440 χ^2/NDF:261056.9/17

Out: 1863.722+/-0.443 χ^2/NDF:256208.2/20

All: 1857.507+/-0.312 χ^2/NDF: 517655.3/38



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -3374.679+/-2945.824 χ^2/NDF:0.0/1

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: 1314.247+/-2960.072 χ^2/NDF:0.0/1

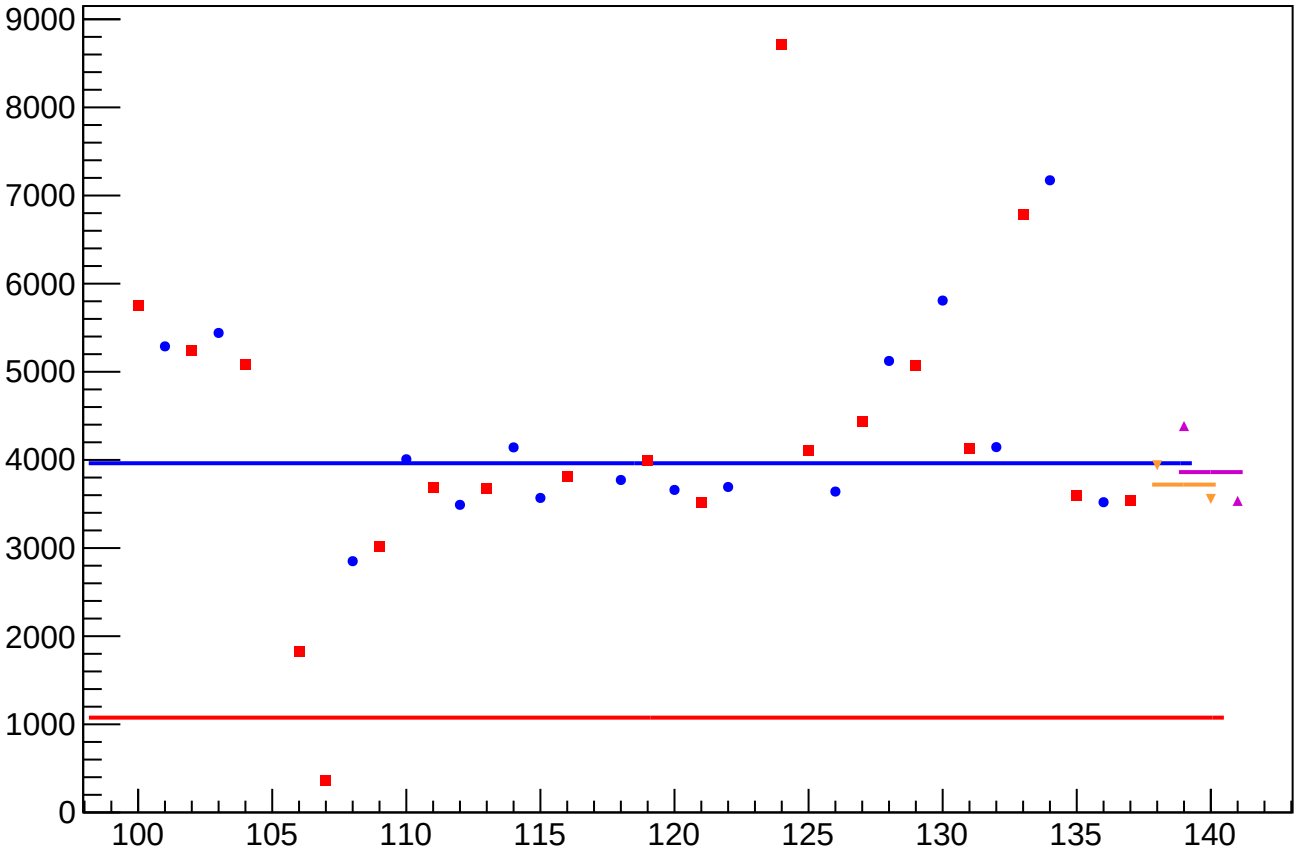
Left: -1041.528+/-2088.032 χ^2/NDF: 1.3/3

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 1192.800+/-1346.665 χ^2/NDF:13.7/17

Out: 308.842+/-642.659 χ^2/NDF:18.6/20

All: 472.813+/-579.999 χ^2/NDF: 32.6/38



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3719.816+/-2.083 χ^2/NDF:8215.8/1

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3861.939+/-2.093 χ^2/NDF:38963.0/1

Left: 3790.534+/-1.476 χ^2/NDF: 49495.2/3

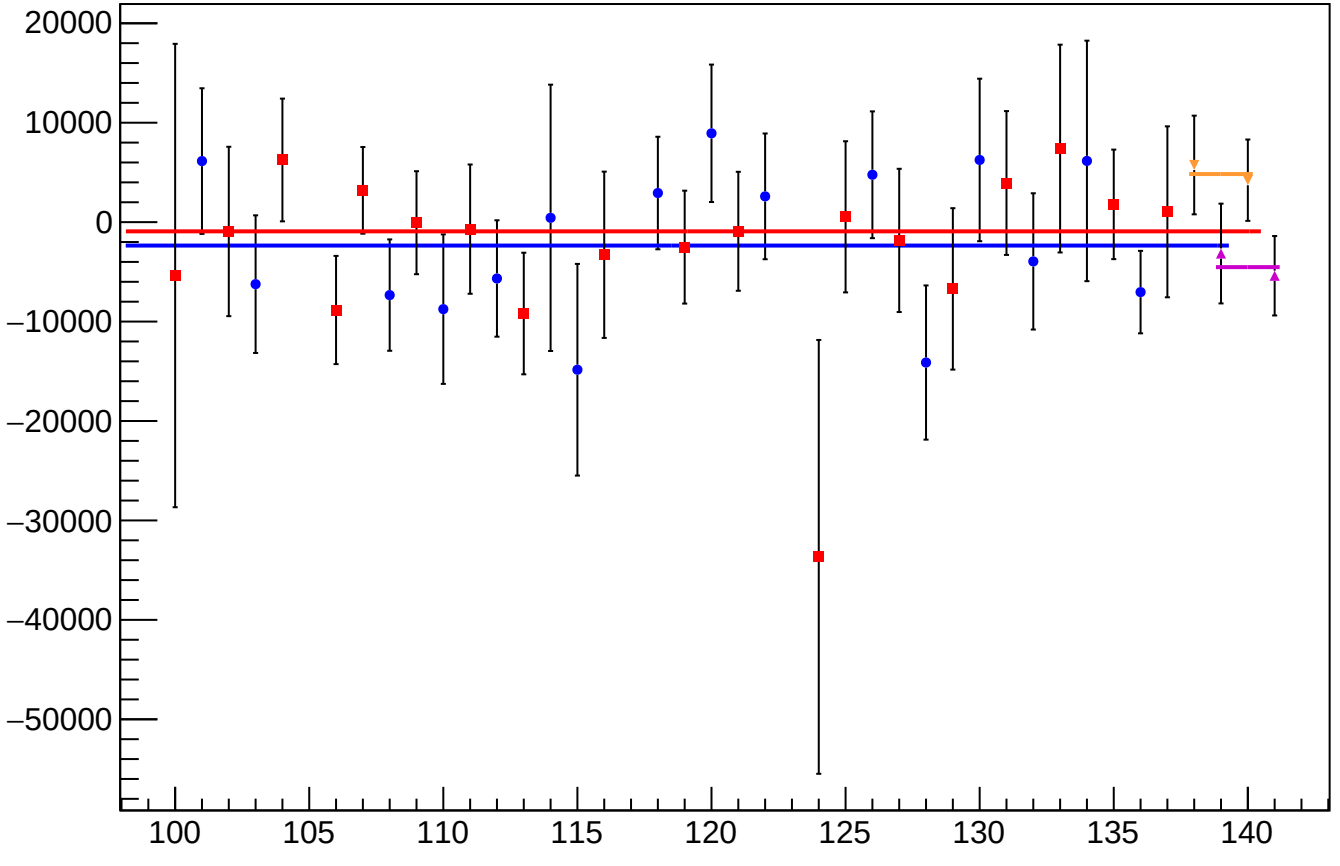
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3941.577+/-0.952 χ^2/NDF:709124.4/17

Out: 1201.817+/-0.454 χ^2/NDF:11100740.1/20

All: 1710.033+/-0.410 χ^2/NDF: 18552485.8/3

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 4837.999+/-3156.411 χ^2/NDF:0.1/1

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -4524.031+/-3125.079 χ^2/NDF:0.1/1

Left: 110.288+/-2220.759 χ^2/NDF: 4.6/3

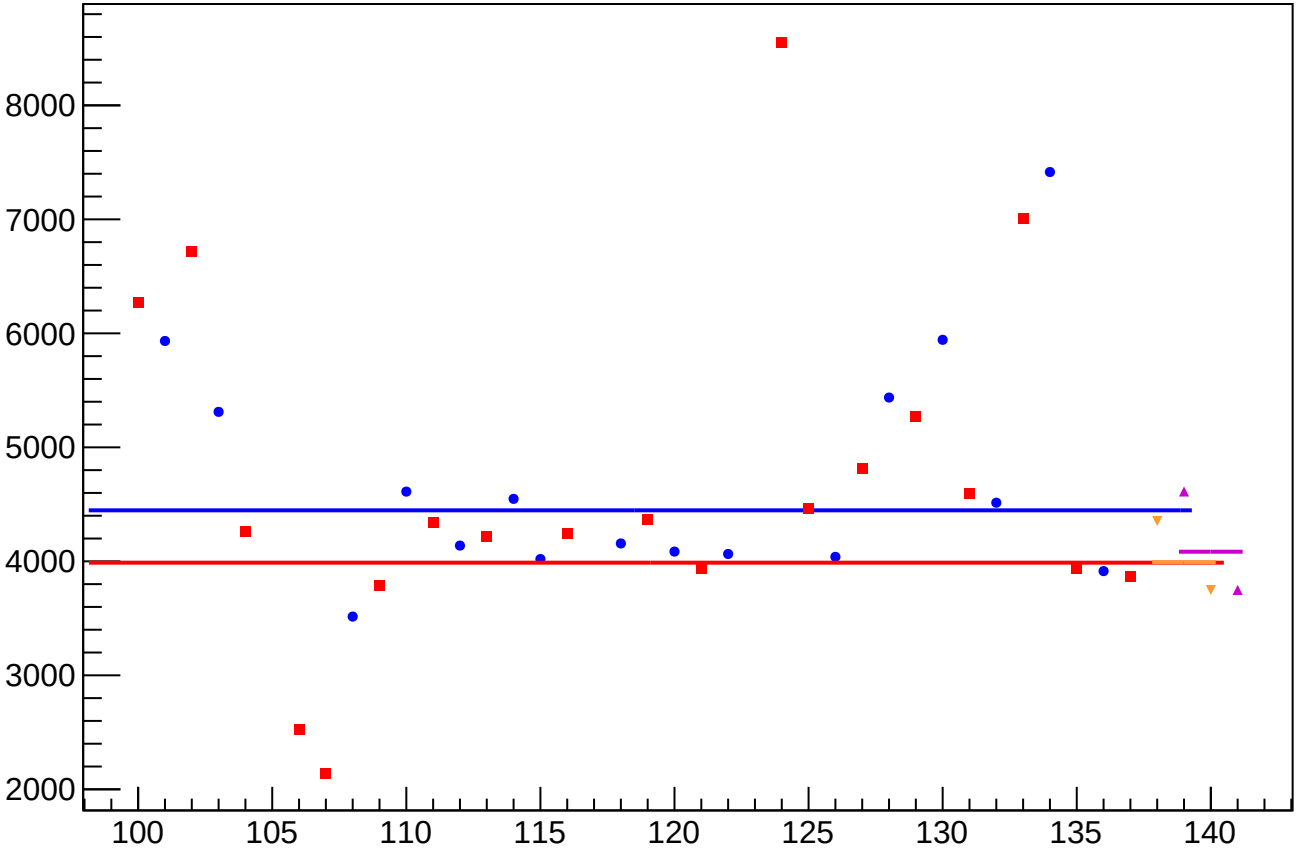
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -2843.340+/-1482.998 χ^2/NDF:16.0/17

Out: 191.166+/-1389.048 χ^2/NDF:13.3/20

All: -1226.929+/-1013.793 χ^2/NDF: 31.6/38

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3992.800+/-2.232 χ^2/NDF:17714.3/1

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4084.341+/-2.210 χ^2/NDF:36272.2/1

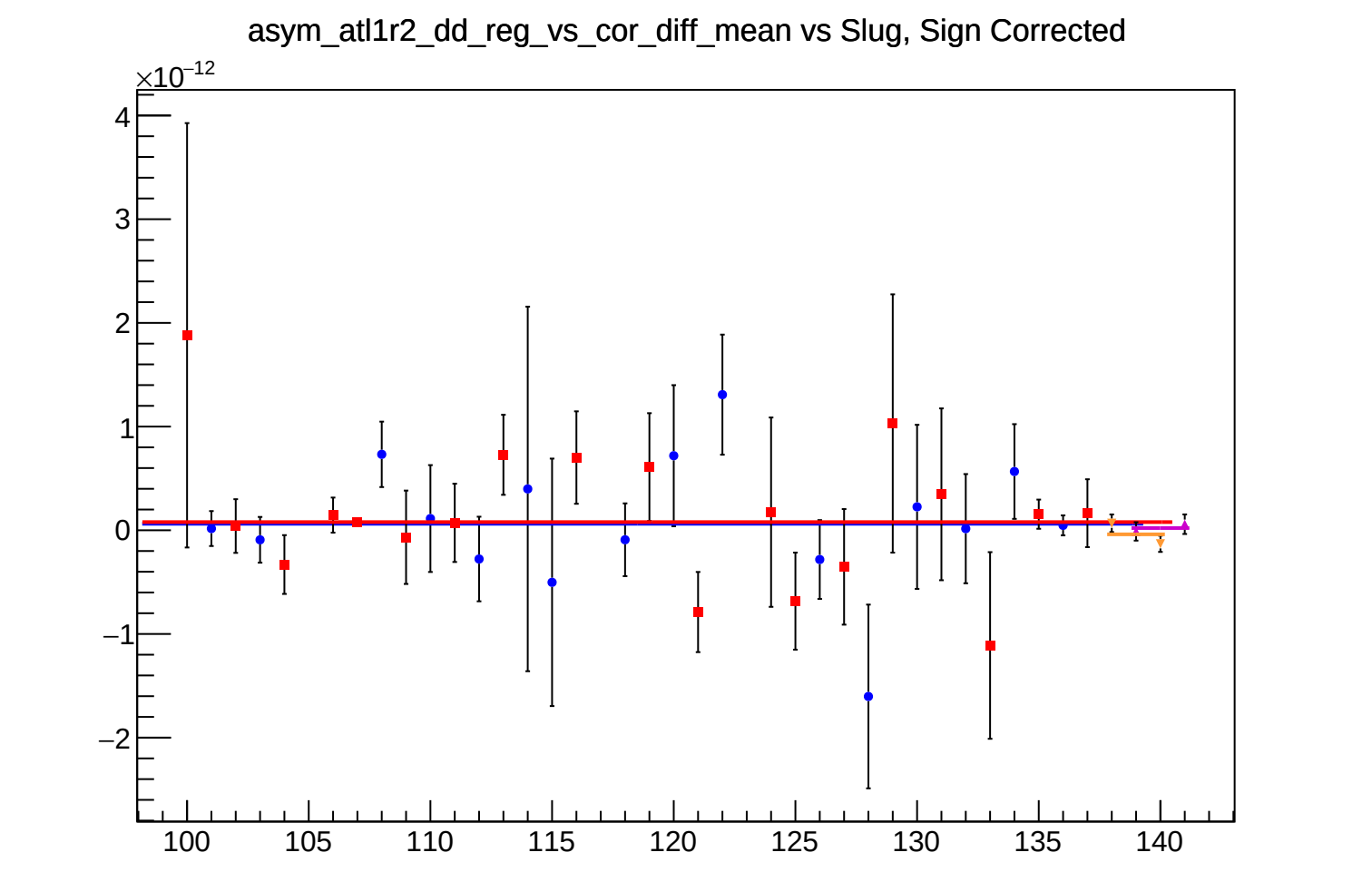
Left: 4039.027+/-1.570 χ^2/NDF: 54836.1/3

Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4365.659+/-1.049 χ^2/NDF:515441.0/17

Out: 3989.116+/-0.974 χ^2/NDF:1161650.1/20

All: 4163.575+/-0.714 χ^2/NDF: 1746289.5/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

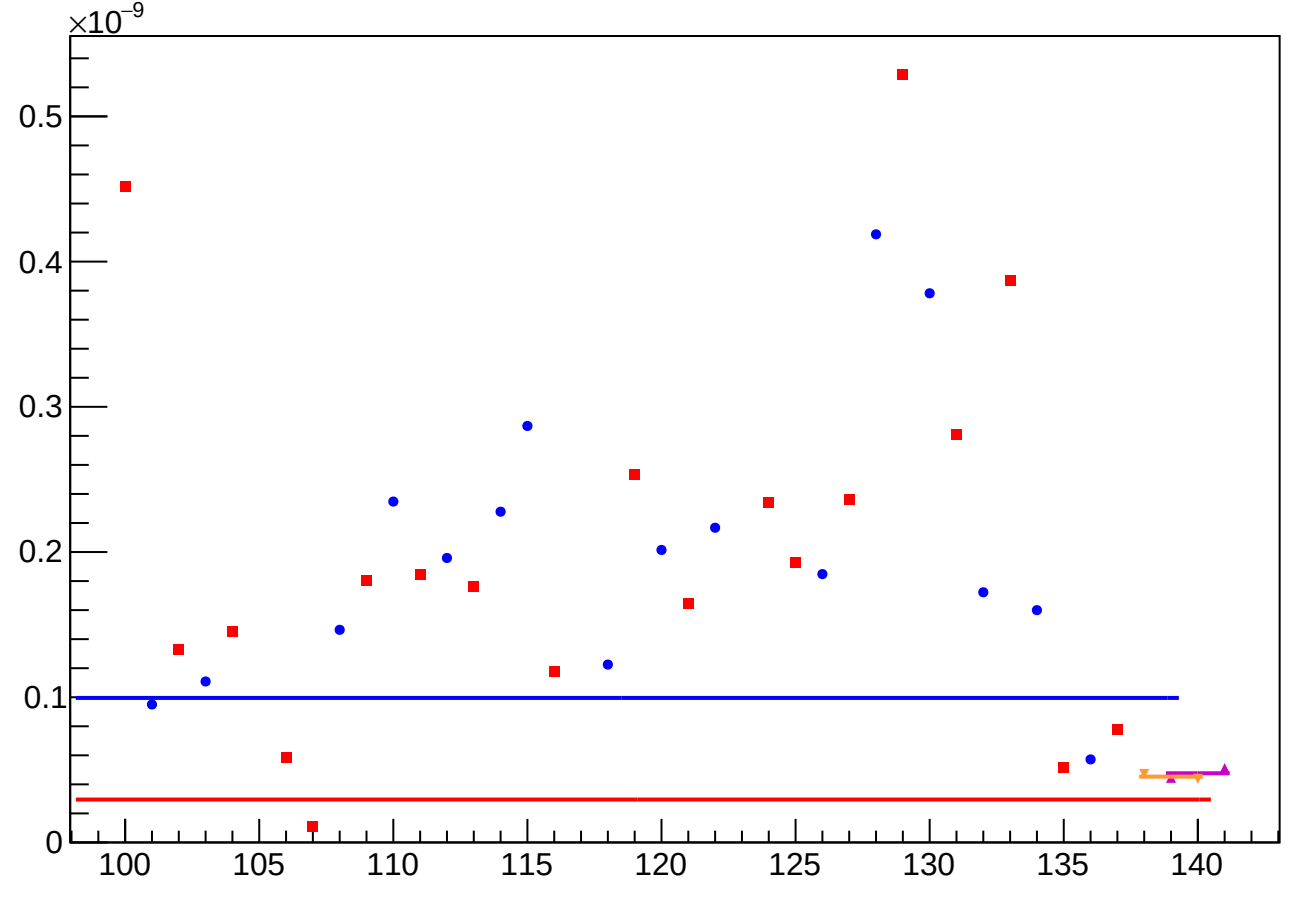
Left: -0.000+/-0.000 χ^2/NDF: 3.7/3

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:17.9/17

Out: 0.000+/-0.000 χ^2/NDF:26.2/20

All: 0.000+/-0.000 χ^2/NDF: 44.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1703.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5303.6/1

Left: 0.000+/-0.000 χ^2/NDF: 8444.6/3

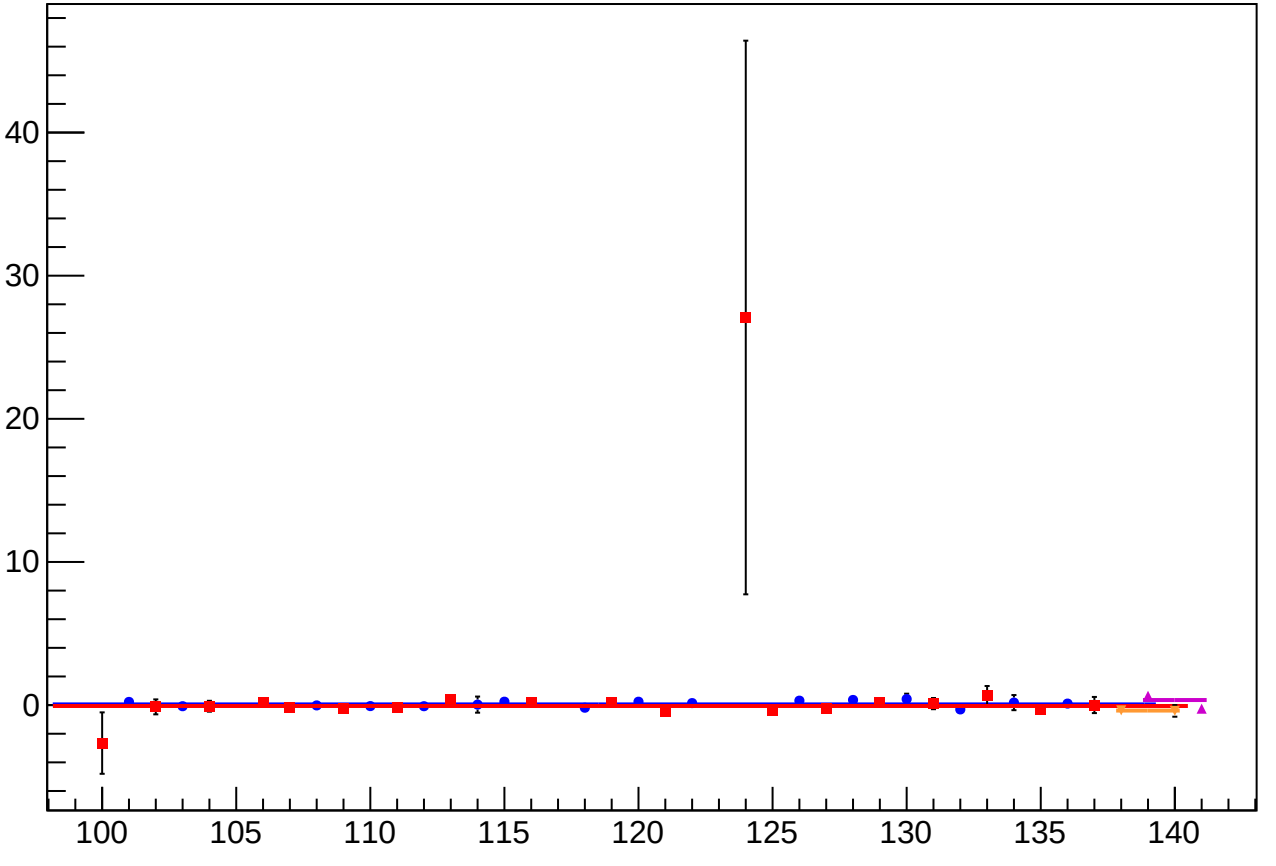
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2180105.7/17

Out: 0.000+/-0.000 χ^2/NDF:4477939.8/20

All: 0.000+/-0.000 χ^2/NDF: 7648063.4/38

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.381+/-0.247 χ^2/NDF:0.0/1

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.354+/-0.196 χ^2/NDF:4.7/1

Left: 0.071+/-0.153 χ^2/NDF: 10.1/3

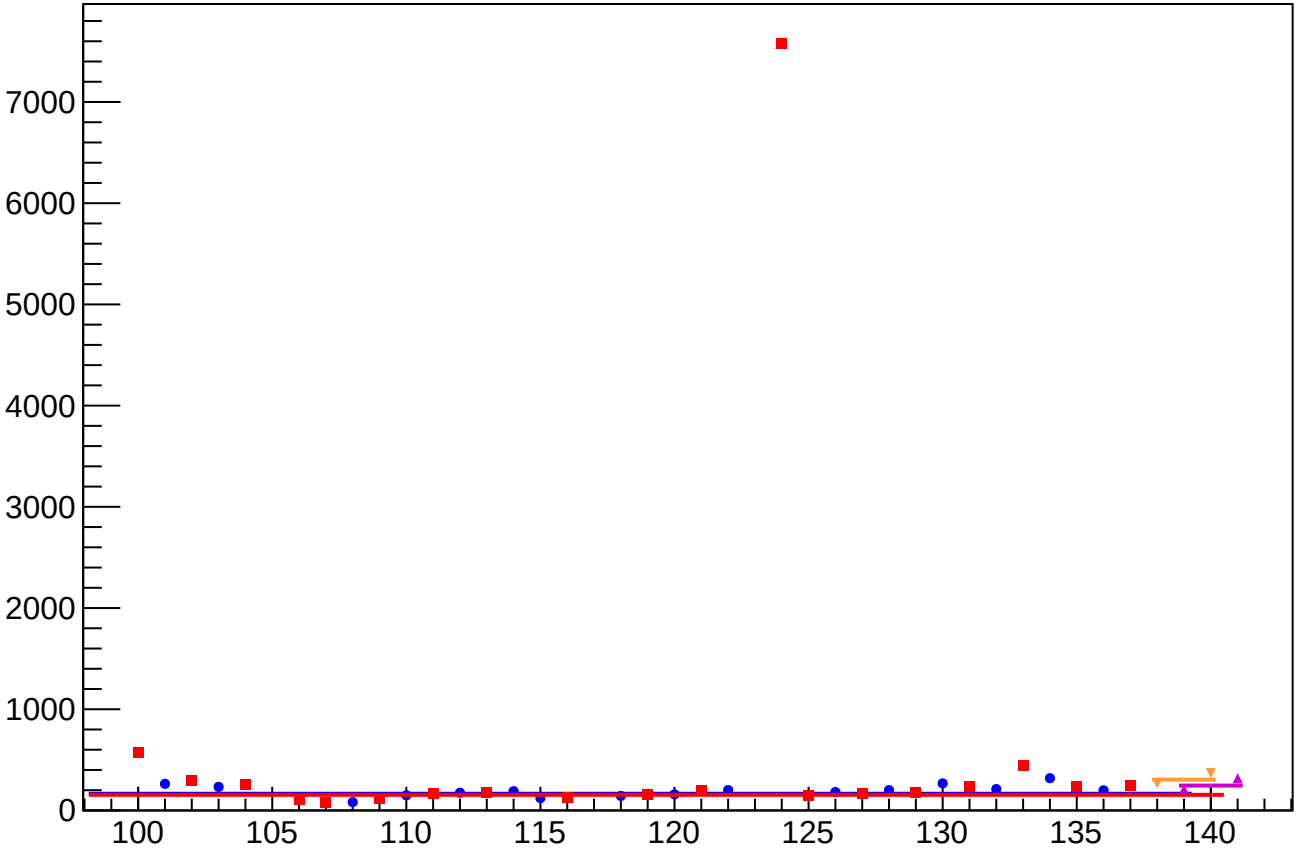
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.080+/-0.063 χ^2/NDF:14.5/17

Out: -0.082+/-0.062 χ^2/NDF:20.0/20

All: -0.002+/-0.044 χ^2/NDF: 37.8/38

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 304.685+/-0.175 χ^2/NDF:78435.1/1

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 245.538+/-0.139 χ^2/NDF:138754.4/1

Left: 268.377+/-0.109 χ^2/NDF: 287604.0/3

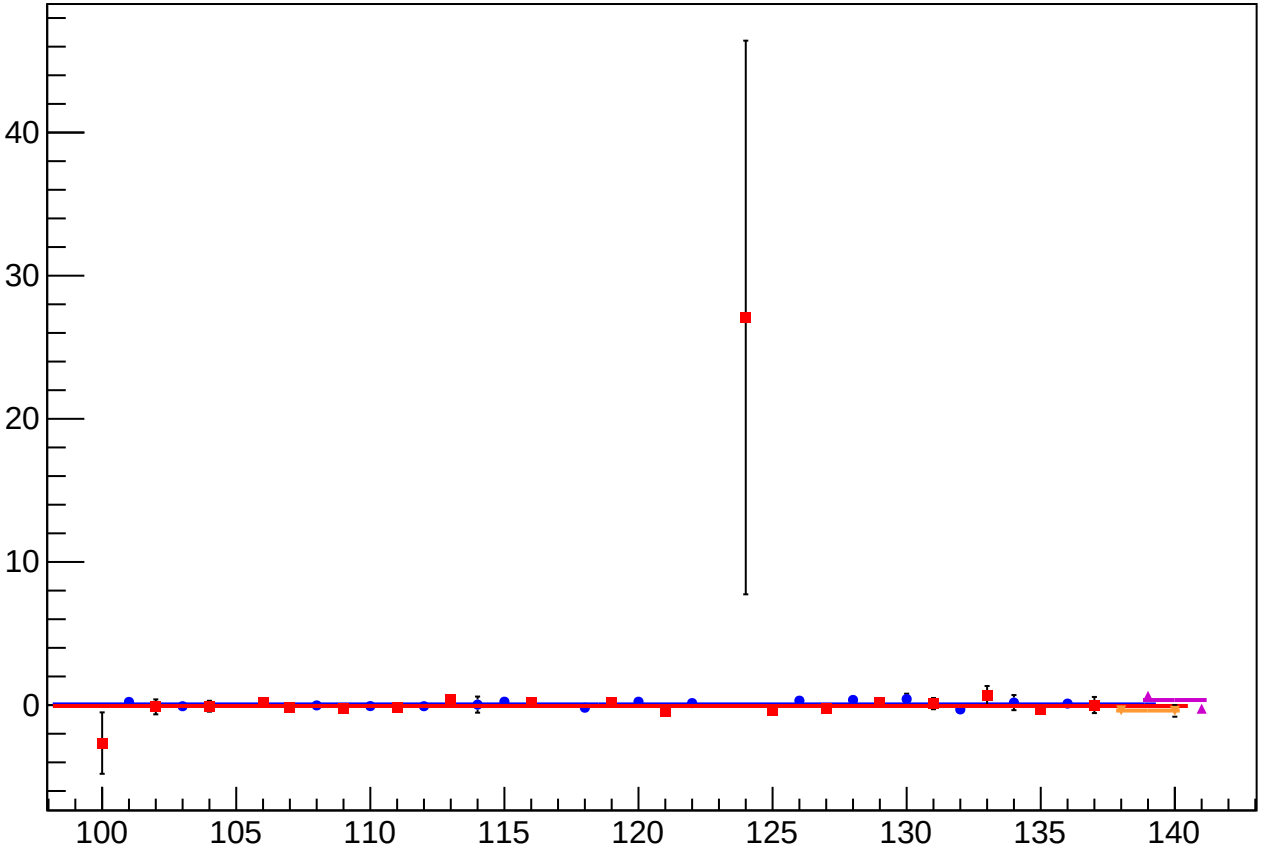
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 173.179+/-0.044 χ^2/NDF:1917772.0/17

Out: 163.958+/-0.044 χ^2/NDF:2693273.4/20

All: 168.526+/-0.031 χ^2/NDF: 4632739.0/38

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.381+/-0.247 χ^2/NDF:0.0/1

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.354+/-0.196 χ^2/NDF:4.7/1

Left: 0.071+/-0.153 χ^2/NDF: 10.1/3

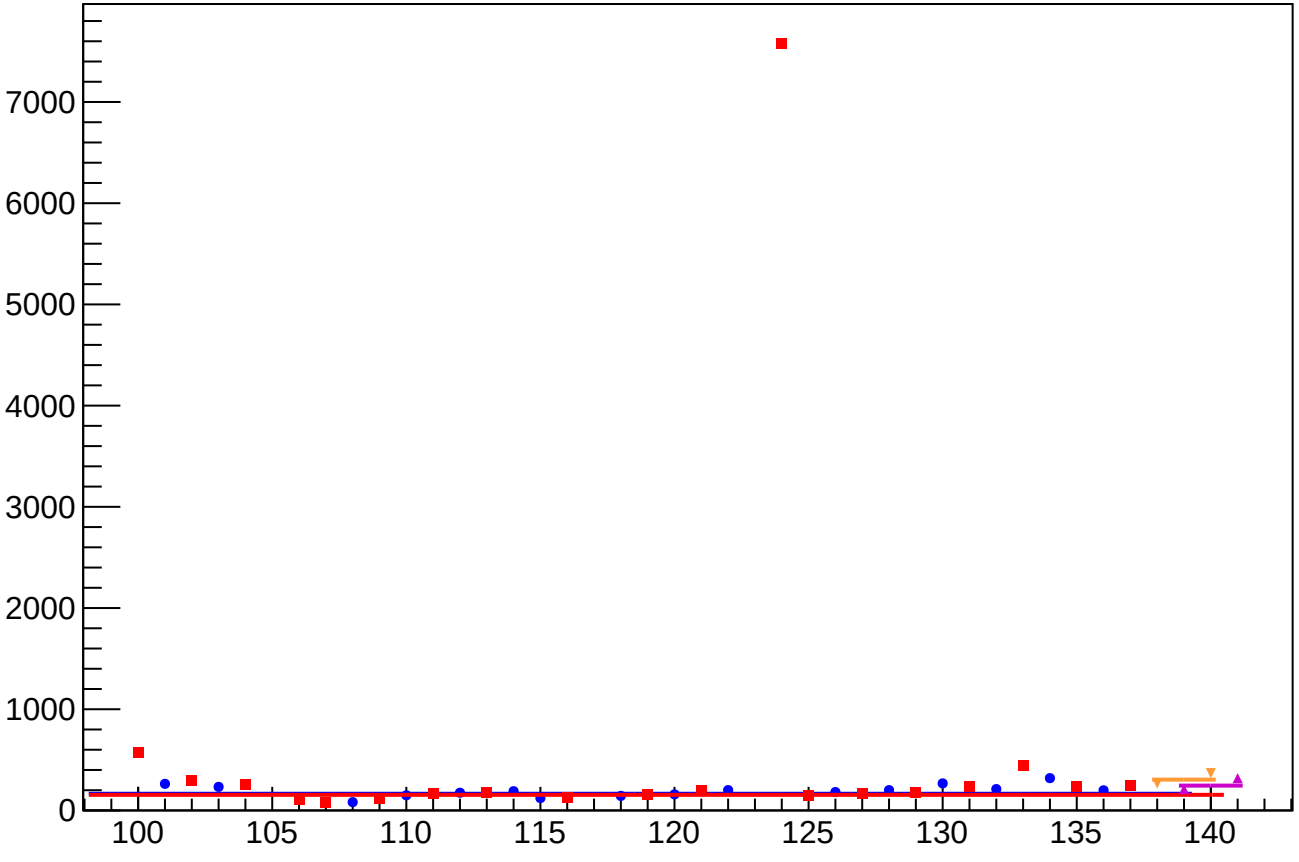
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.080+/-0.063 χ^2/NDF:14.5/17

Out: -0.082+/-0.062 χ^2/NDF:20.0/20

All: -0.002+/-0.044 χ^2/NDF: 37.8/38

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 304.685+/-0.175 χ^2/NDF:78435.1/1

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 245.538+/-0.139 χ^2/NDF:138754.4/1

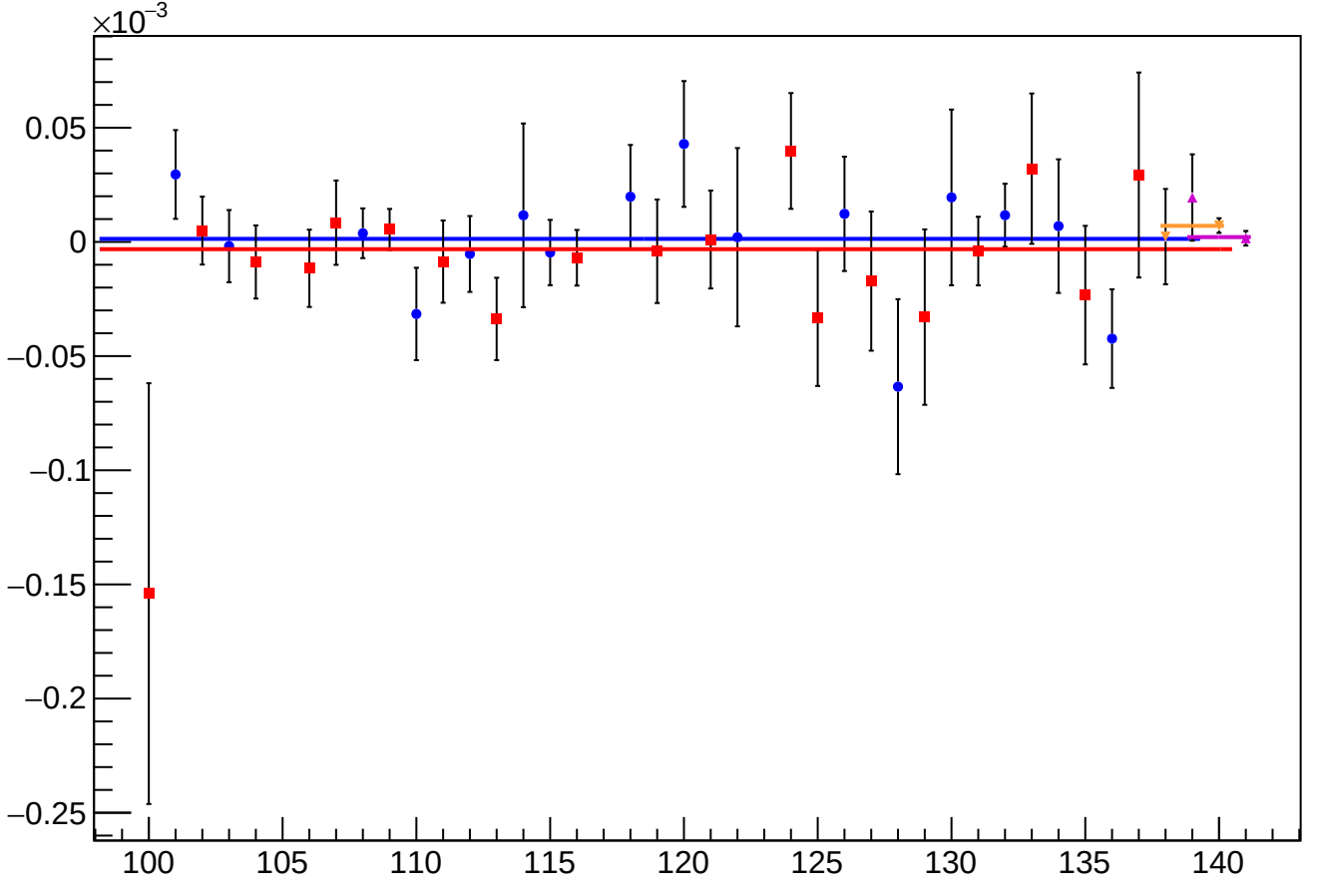
Left: 268.377+/-0.109 χ^2/NDF: 287604.0/3

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 173.179+/-0.044 χ^2/NDF:1917772.0/17

Out: 163.958+/-0.044 χ^2/NDF:2693273.4/20

All: 168.526+/-0.031 χ^2/NDF: 4632739.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

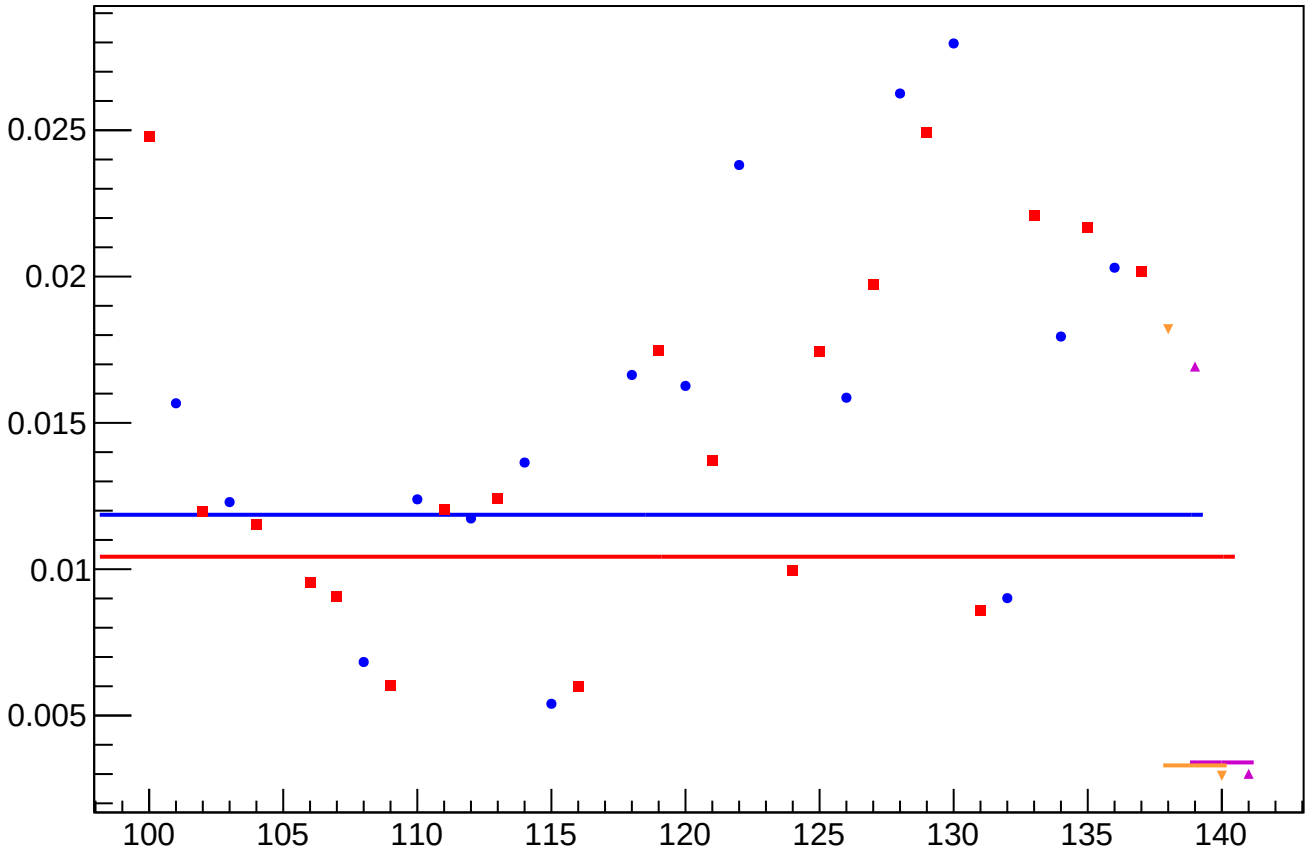
Left: 0.000+/-0.000 χ^2/NDF: 2.1/3

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:17.0/17

Out: 0.000+/-0.000 χ^2/NDF:18.4/20

All: 0.000+/-0.000 χ^2/NDF: 35.6/38



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:1043755.8/1

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.003+/-0.000 χ^2/NDF:1052547.9/1

Left: 0.003+/-0.000 χ^2/NDF: 2097331.4/3

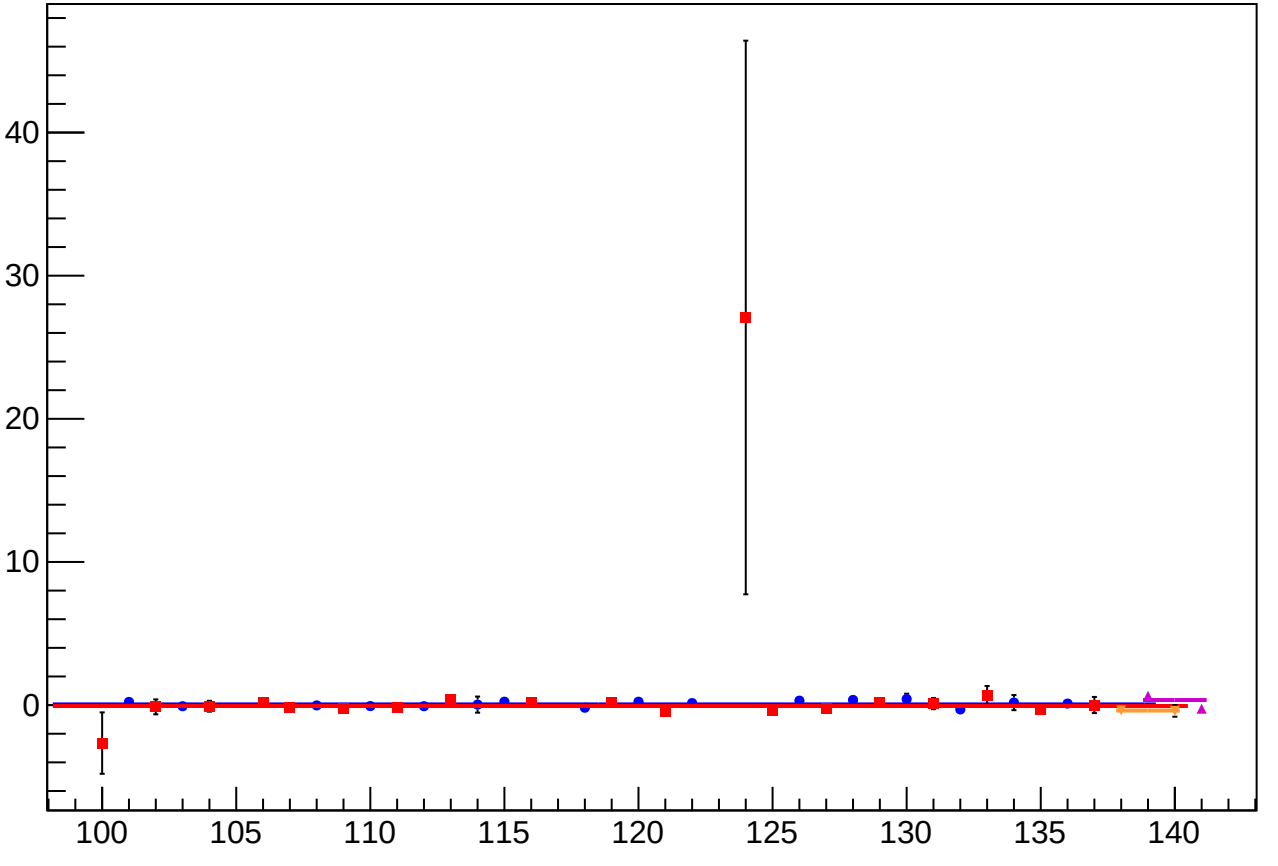
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:7705416.8/17

Out: 0.006+/-0.000 χ^2/NDF:7026622.8/20

All: 0.006+/-0.000 χ^2/NDF: 14732308.2/38

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.381+/-0.247 χ^2/NDF:0.0/1

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.354+/-0.196 χ^2/NDF:4.7/1

Left: 0.071+/-0.153 χ^2/NDF: 10.1/3

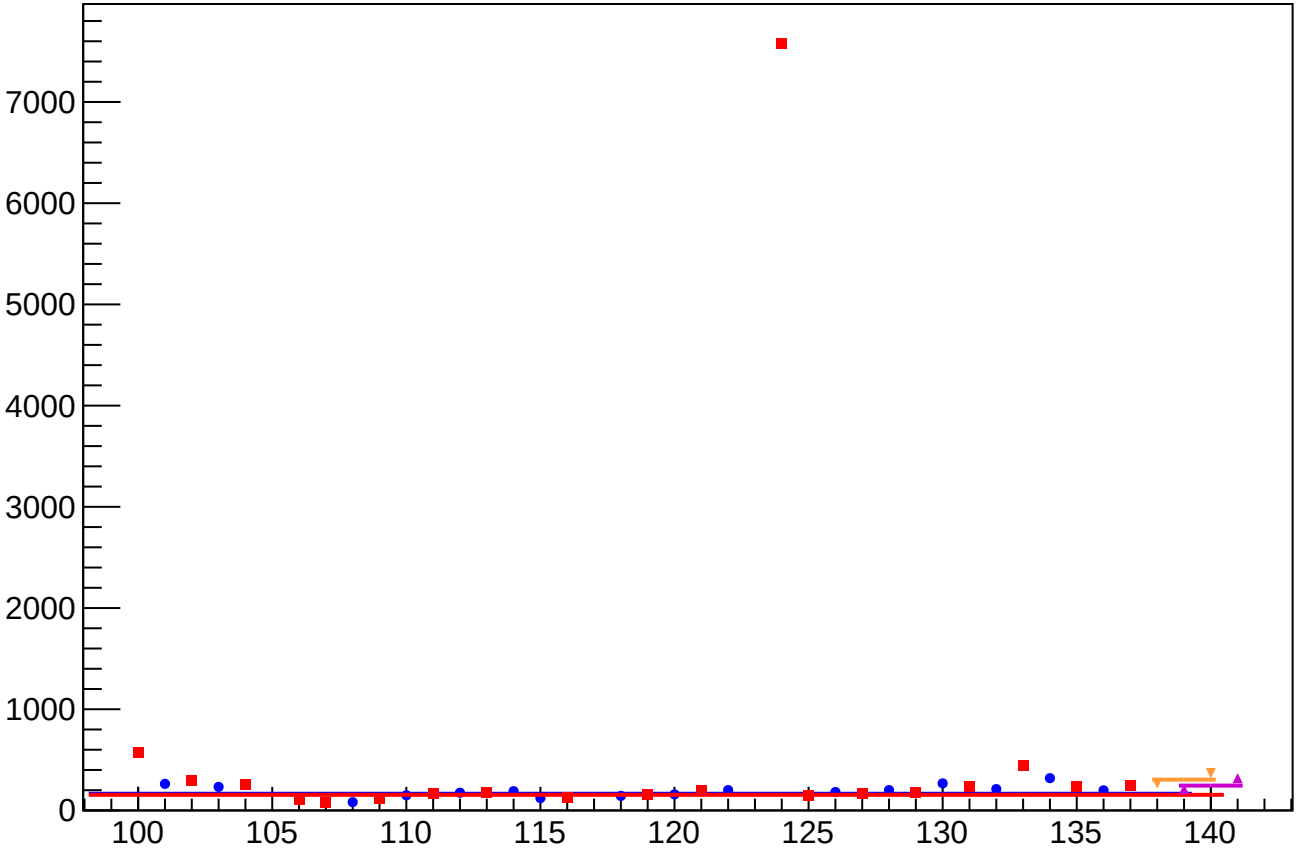
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.080+/-0.063 χ^2/NDF:14.5/17

Out: -0.082+/-0.062 χ^2/NDF:20.0/20

All: -0.002+/-0.044 χ^2/NDF: 37.8/38

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 304.689+/-0.175 χ^2/NDF:78424.5/1

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 245.540+/-0.139 χ^2/NDF:138743.7/1

Left: 268.380+/-0.109 χ^2/NDF: 287585.2/3

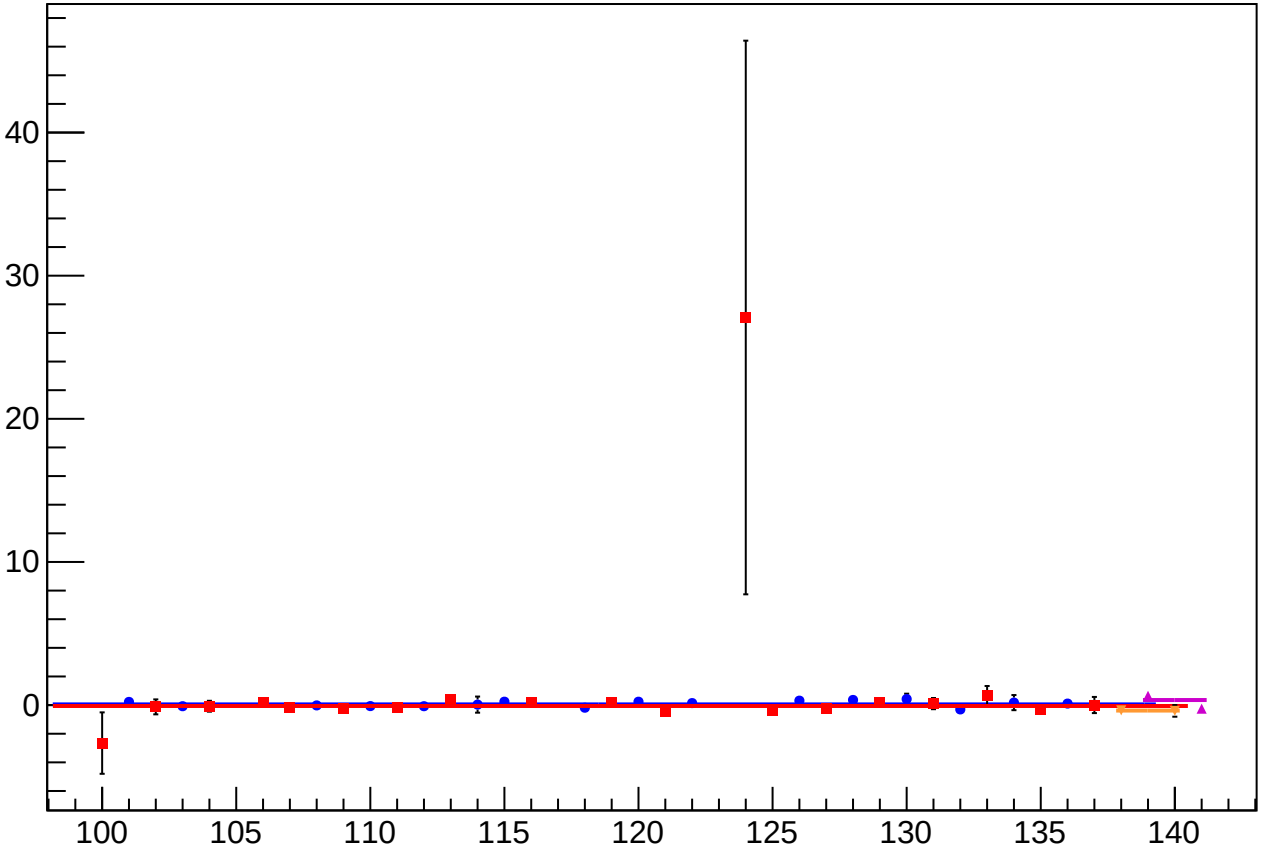
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 173.179+/-0.044 χ^2/NDF:1917750.0/17

Out: 163.957+/-0.044 χ^2/NDF:2693311.6/20

All: 168.526+/-0.031 χ^2/NDF: 4632755.8/38

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.381+/-0.247 χ^2/NDF:0.0/1

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.354+/-0.196 χ^2/NDF:4.7/1

Left: 0.071+/-0.153 χ^2/NDF: 10.1/3

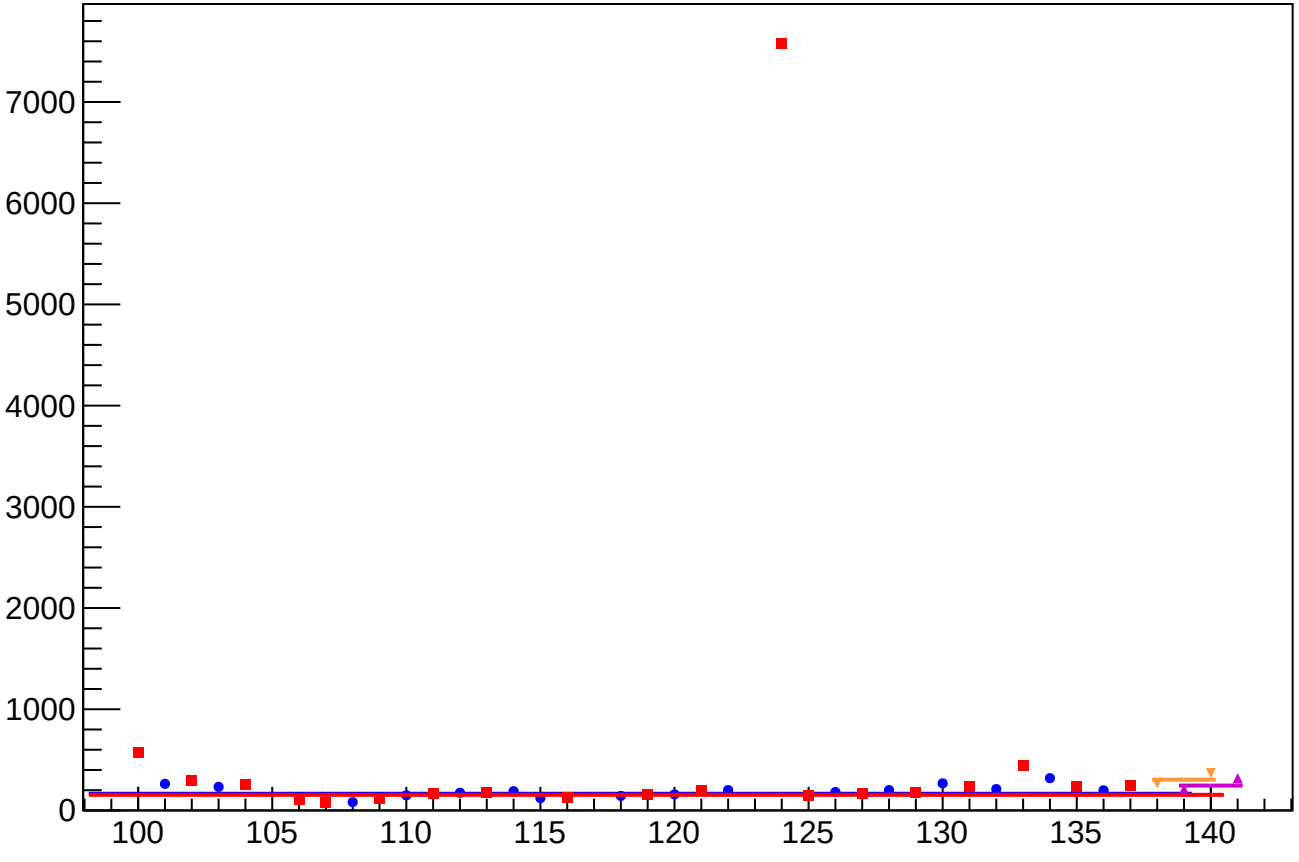
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.080+/-0.063 χ^2/NDF:14.5/17

Out: -0.082+/-0.062 χ^2/NDF:20.0/20

All: -0.002+/-0.044 χ^2/NDF: 37.8/38

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 304.689+/-0.175 χ^2/NDF:78424.5/1

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 245.540+/-0.139 χ^2/NDF:138743.7/1

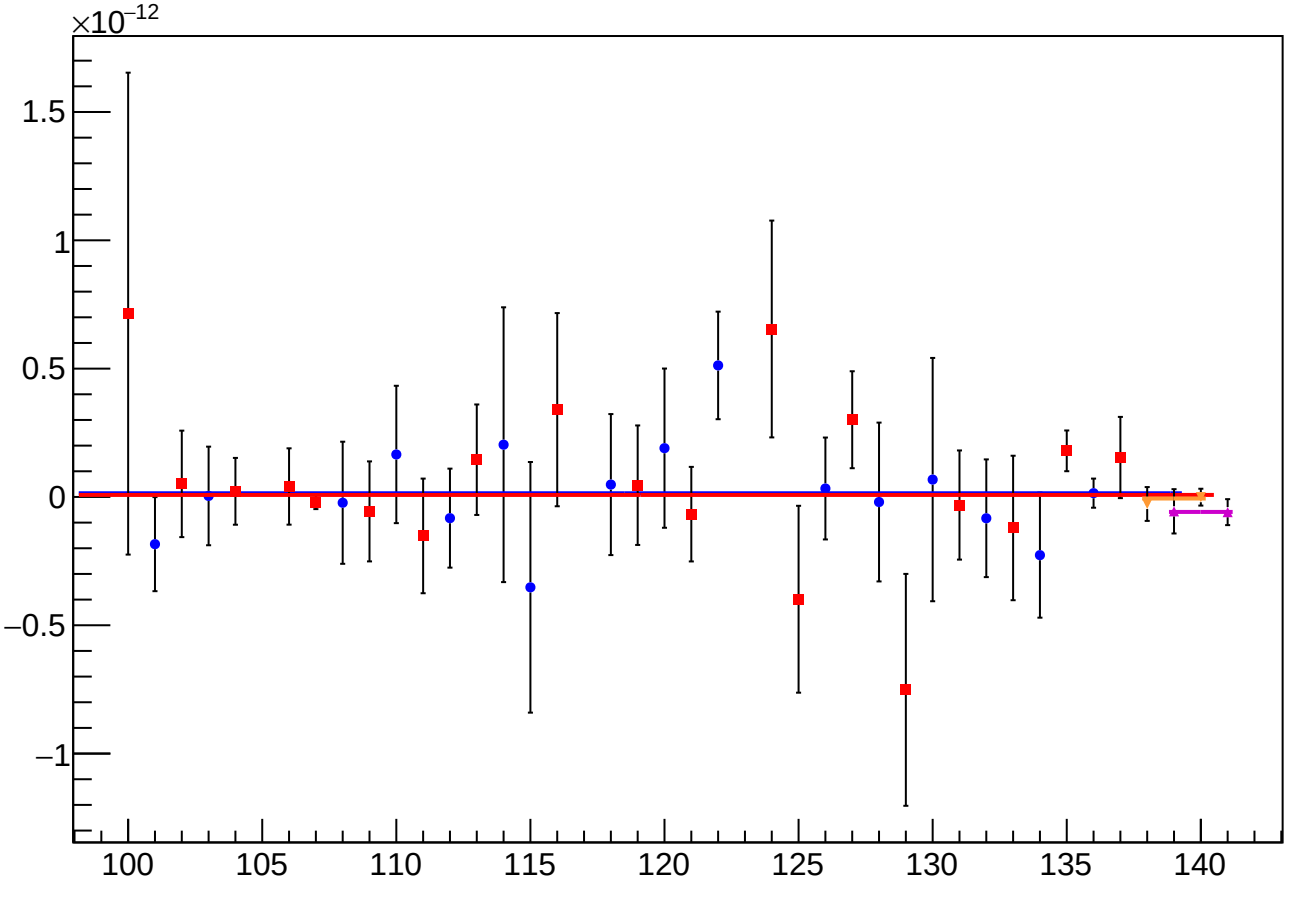
Left: 268.380+/-0.109 χ^2/NDF: 287585.2/3

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 173.179+/-0.044 χ^2/NDF:1917750.0/17

Out: 163.957+/-0.044 χ^2/NDF:2693311.6/20

All: 168.526+/-0.031 χ^2/NDF: 4632755.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

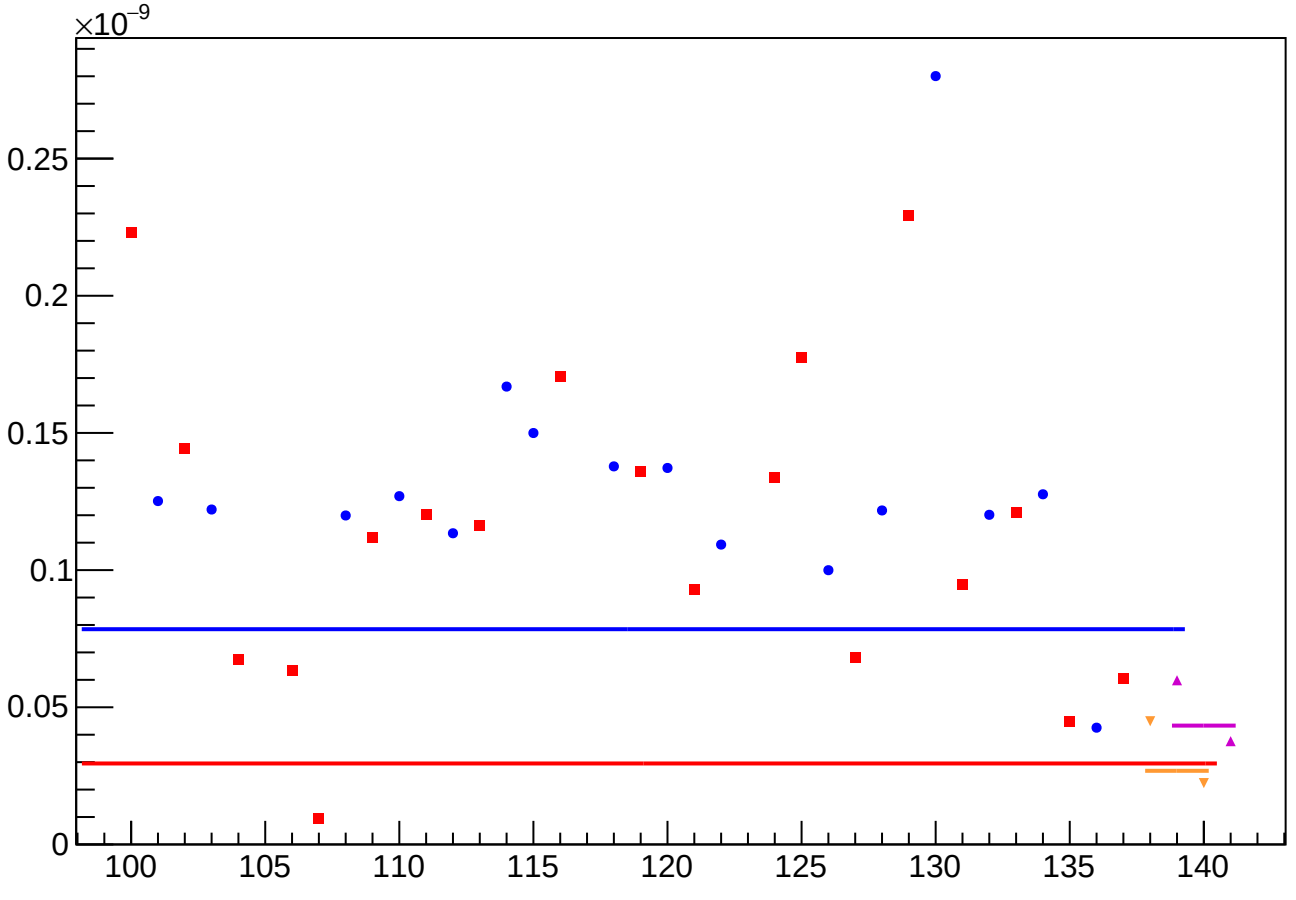
Left: -0.000+/-0.000 χ^2/NDF: 1.1/3

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:11.1/17

Out: 0.000+/-0.000 χ^2/NDF:18.6/20

All: -0.000+/-0.000 χ^2/NDF: 30.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:187515.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:98448.9/1

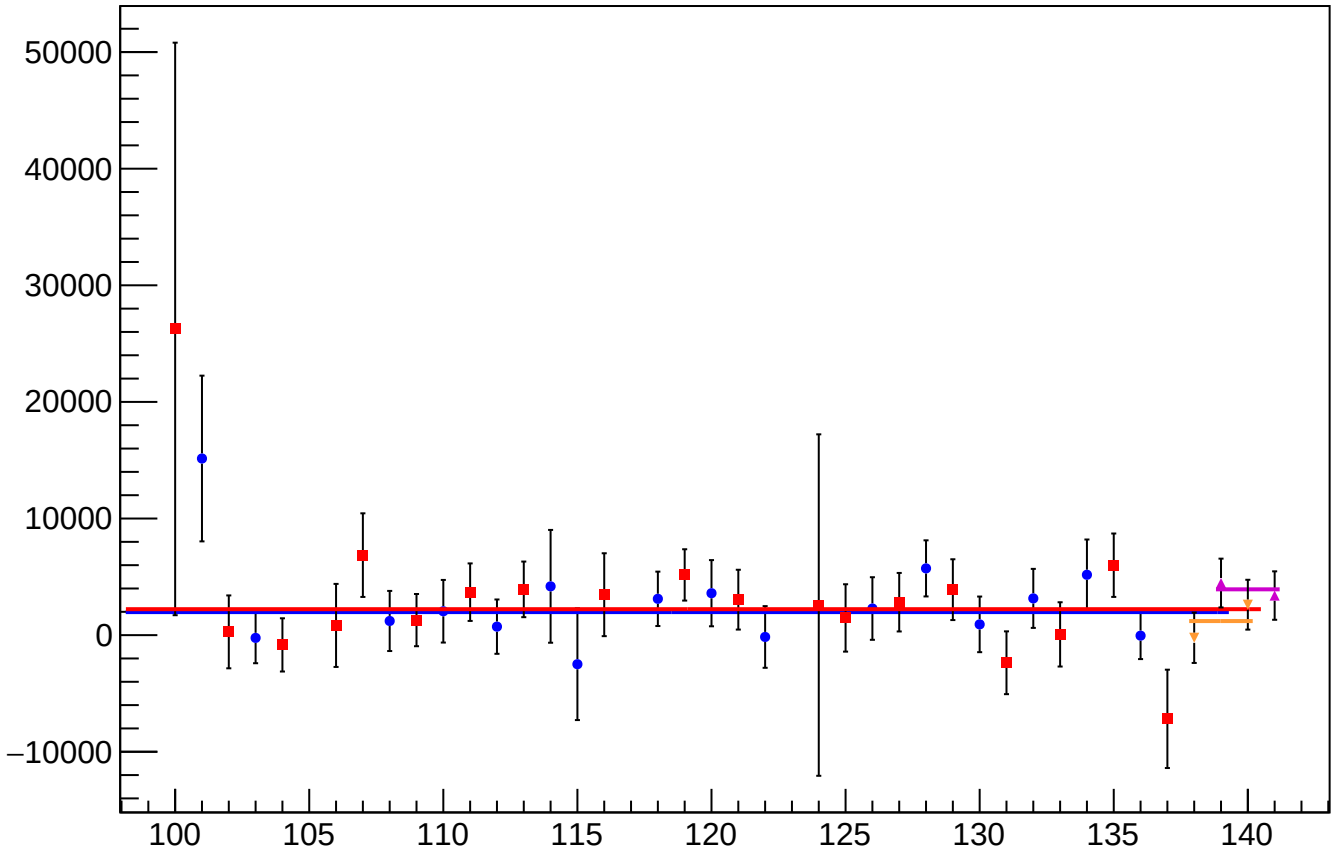
Left: 0.000+/-0.000 χ^2/NDF: 482121.0/3

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:2868440.5/17

Out: 0.000+/-0.000 χ^2/NDF:5685169.8/20

All: 0.000+/-0.000 χ^2/NDF: 10281822.7/38



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1206.877+/-1518.895 χ^2/NDF:0.9/1

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 3927.864+/-1473.880 χ^2/NDF:0.1/1

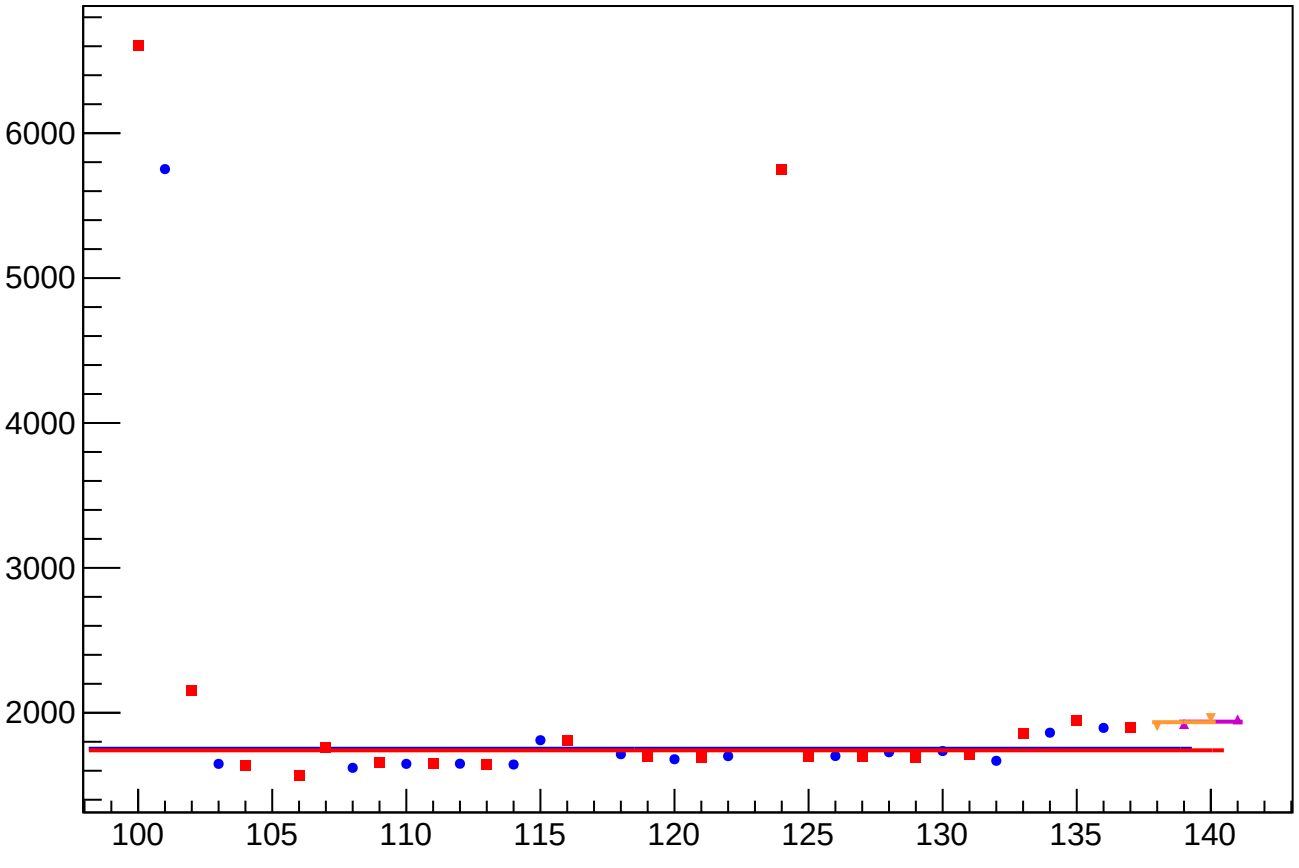
Left: 2608.288+/-1057.747 χ^2/NDF: 2.7/3

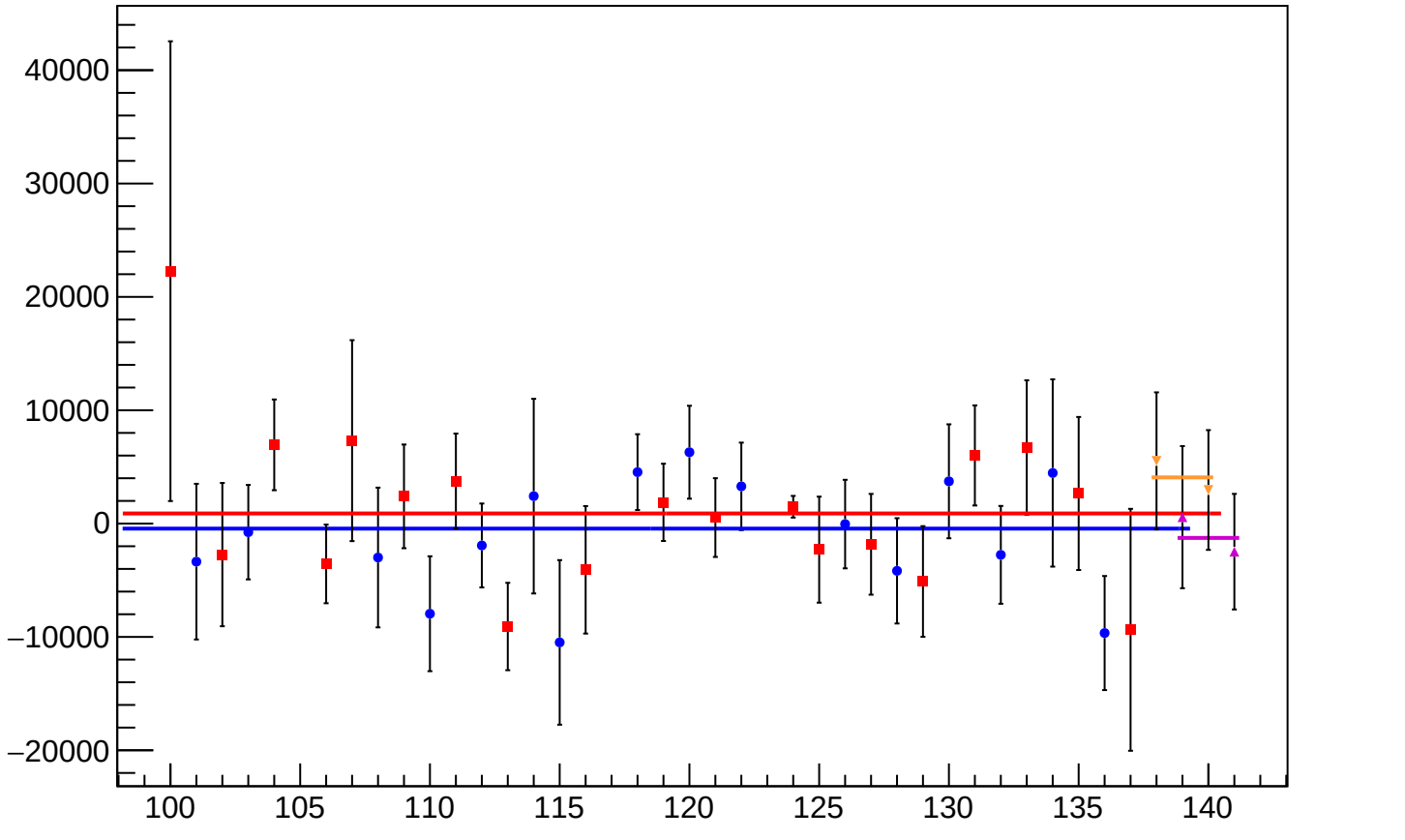
Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2308.623+/-608.208 χ^2/NDF:13.7/17

Out: 2065.812+/-602.454 χ^2/NDF:20.2/20

All: 2186.064+/-428.019 χ^2/NDF: 34.0/38


reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
Right In: 1751.607+/-0.472 χ²/NDF: 670651.4/15
Left Out: 1935.238+/-1.074 χ²/NDF:662.9/1
Right Out: 1741.052+/-0.461 χ²/NDF: 304655.0/18
Left In: 1938.811+/-1.042 χ²/NDF:232.7/1
Left: 1937.079+/-0.748 χ²/NDF: 901.3/3
Right: 1746.199+/-0.330 χ²/NDF: 975562.4/34
In: 1783.485+/-0.430 χ²/NDF:697655.3/17
Out: 1771.224+/-0.423 χ²/NDF:332928.5/20
All: 1777.258+/-0.302 χ²/NDF: 1030996.5/38



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: 4074.010+/-3978.275 χ^2/NDF:0.1/1

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: -1265.437+/-3955.222 χ^2/NDF:0.1/1

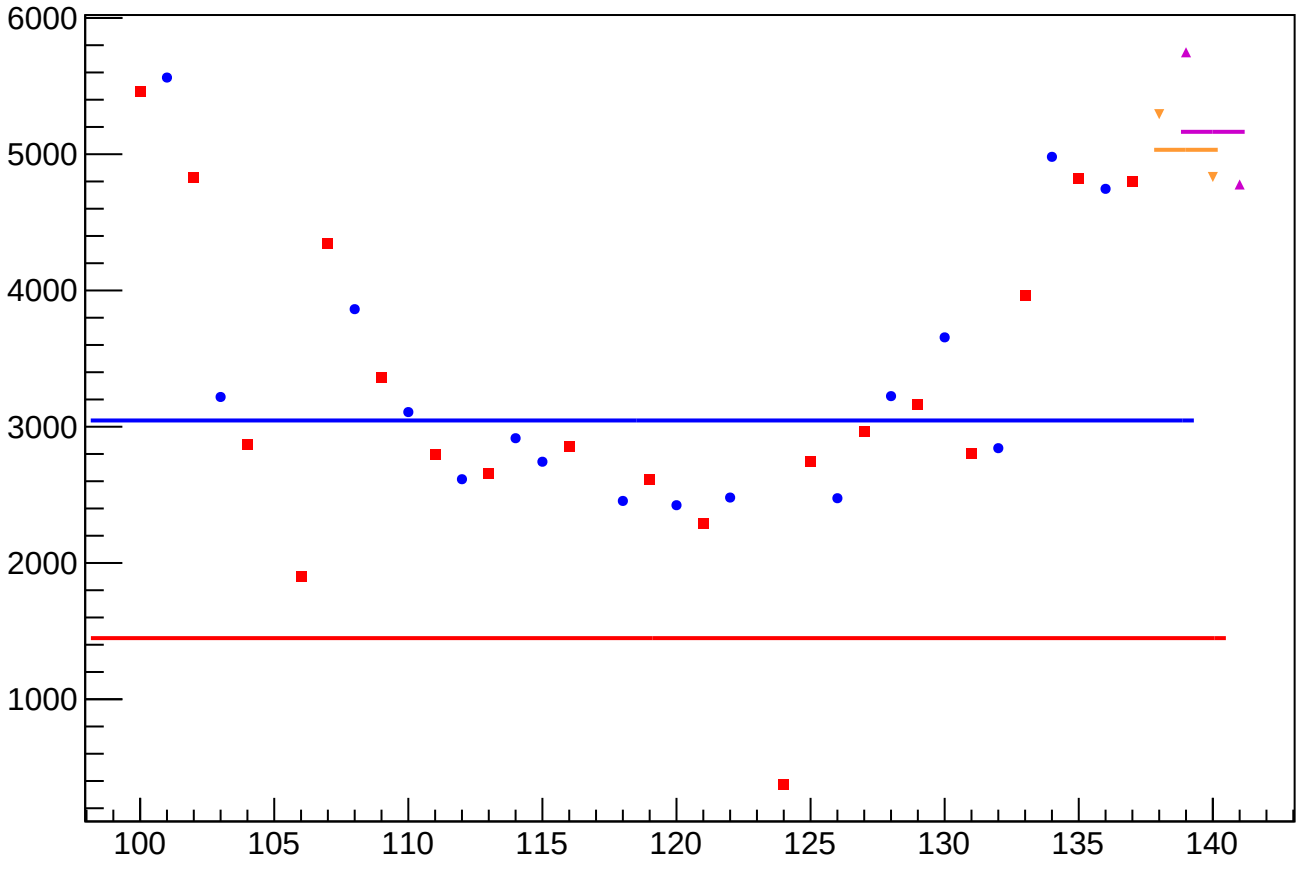
Left: 1388.771+/-2804.879 χ^2/NDF: 1.2/3

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -510.810+/-1125.862 χ^2/NDF:16.1/17

Out: 994.713+/-713.954 χ^2/NDF:20.8/20

All: 562.927+/-602.942 χ^2/NDF: 38.2/38



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 5032.388+/-2.813 χ^2/NDF:6593.9/1

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5164.333+/-2.797 χ^2/NDF:28842.3/1

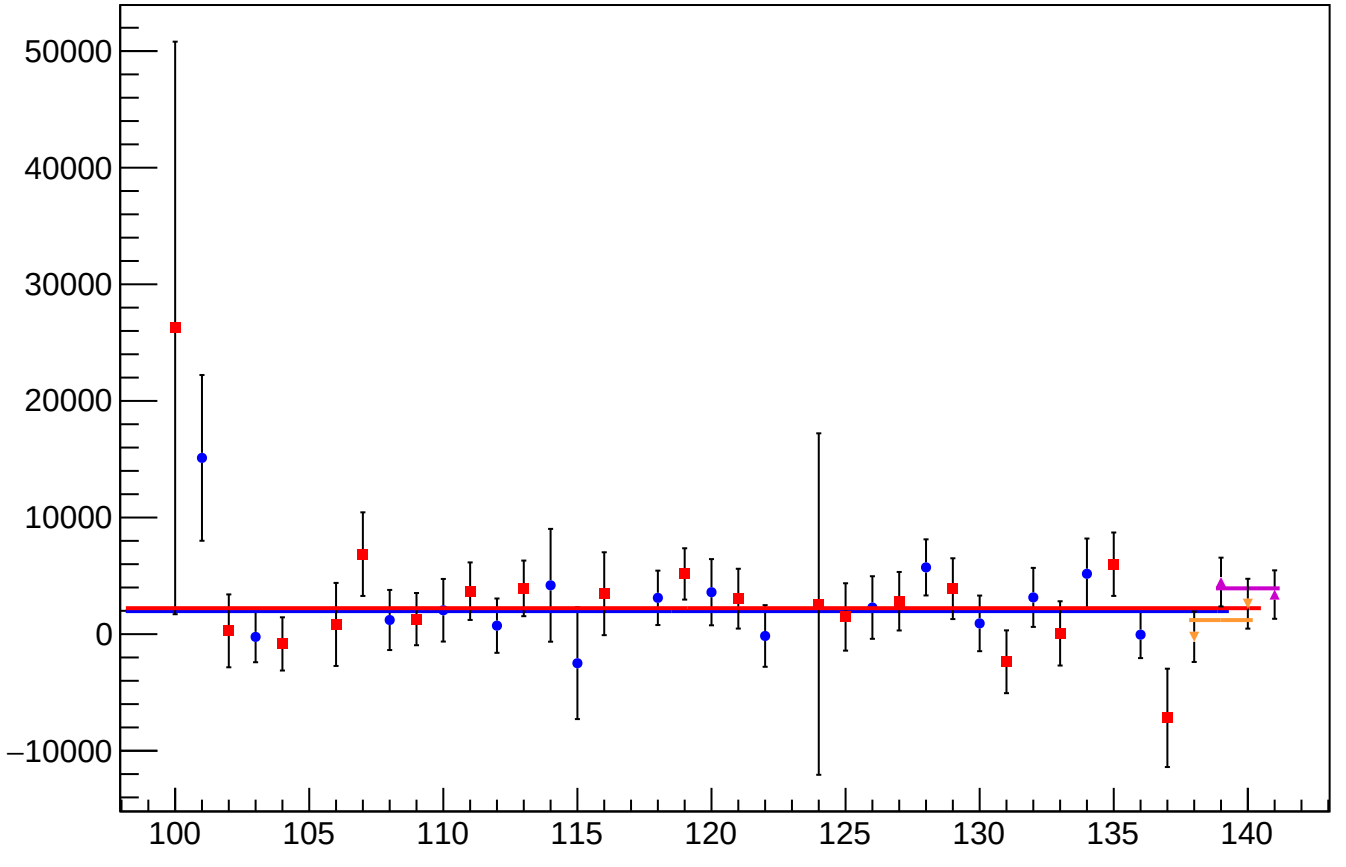
Left: 5098.744+/-1.983 χ^2/NDF: 36542.6/3

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3217.566+/-0.796 χ^2/NDF:1463473.8/17

Out: 1563.945+/-0.505 χ^2/NDF:8364341.5/20

All: 2038.205+/-0.426 χ^2/NDF: 12904916.6/3



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1207.014+/-1518.895 χ^2/NDF:0.9/1

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3928.008+/-1473.880 χ^2/NDF:0.1/1

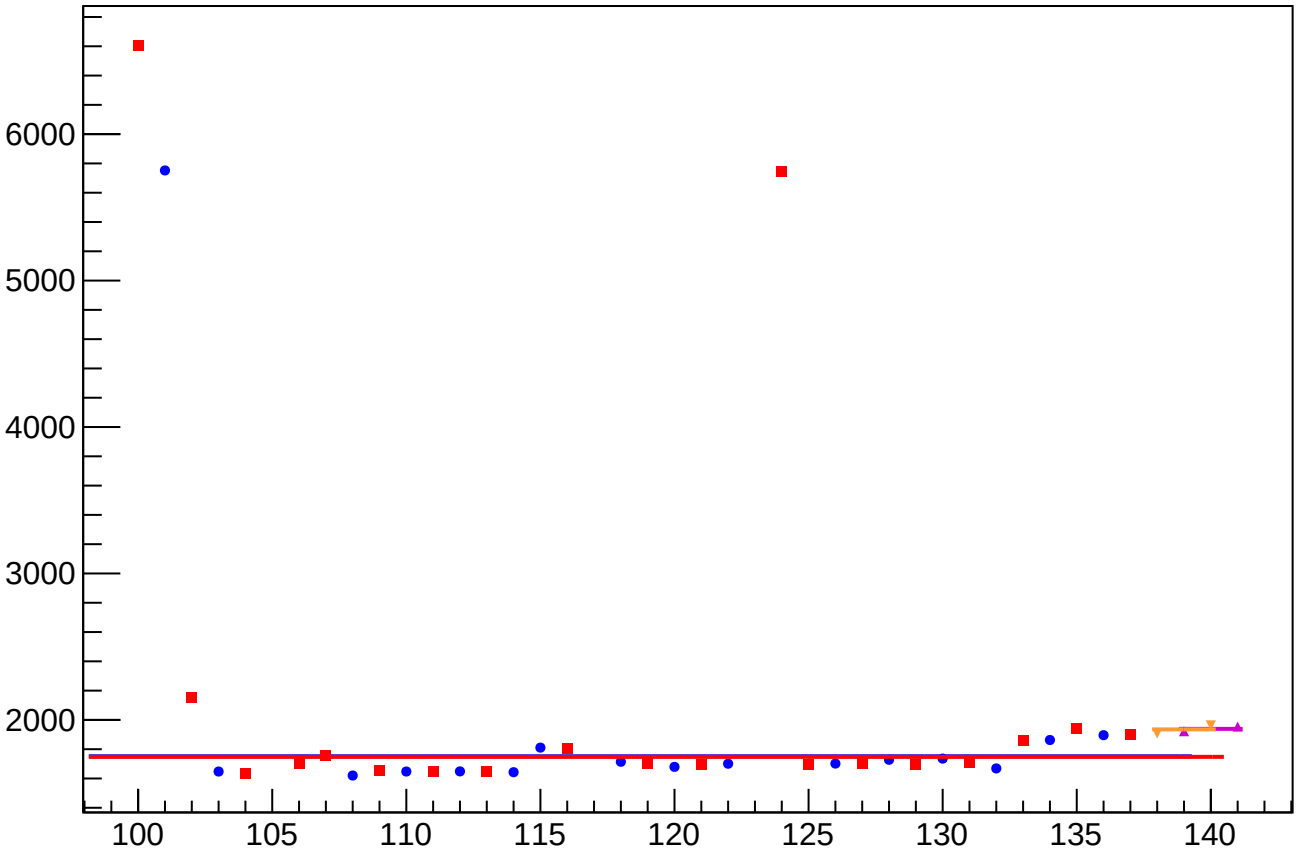
Left: 2608.428+/-1057.747 χ^2/NDF: 2.7/3

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2308.355+/-608.208 χ^2/NDF:13.7/17

Out: 2065.915+/-602.454 χ^2/NDF:20.2/20

All: 2185.983+/-428.019 χ^2/NDF: 34.0/38



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1935.238+/-1.074 χ^2/NDF:662.9/1

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1938.811+/-1.042 χ^2/NDF:232.7/1

Left: 1937.079+/-0.748 χ^2/NDF: 901.3/3

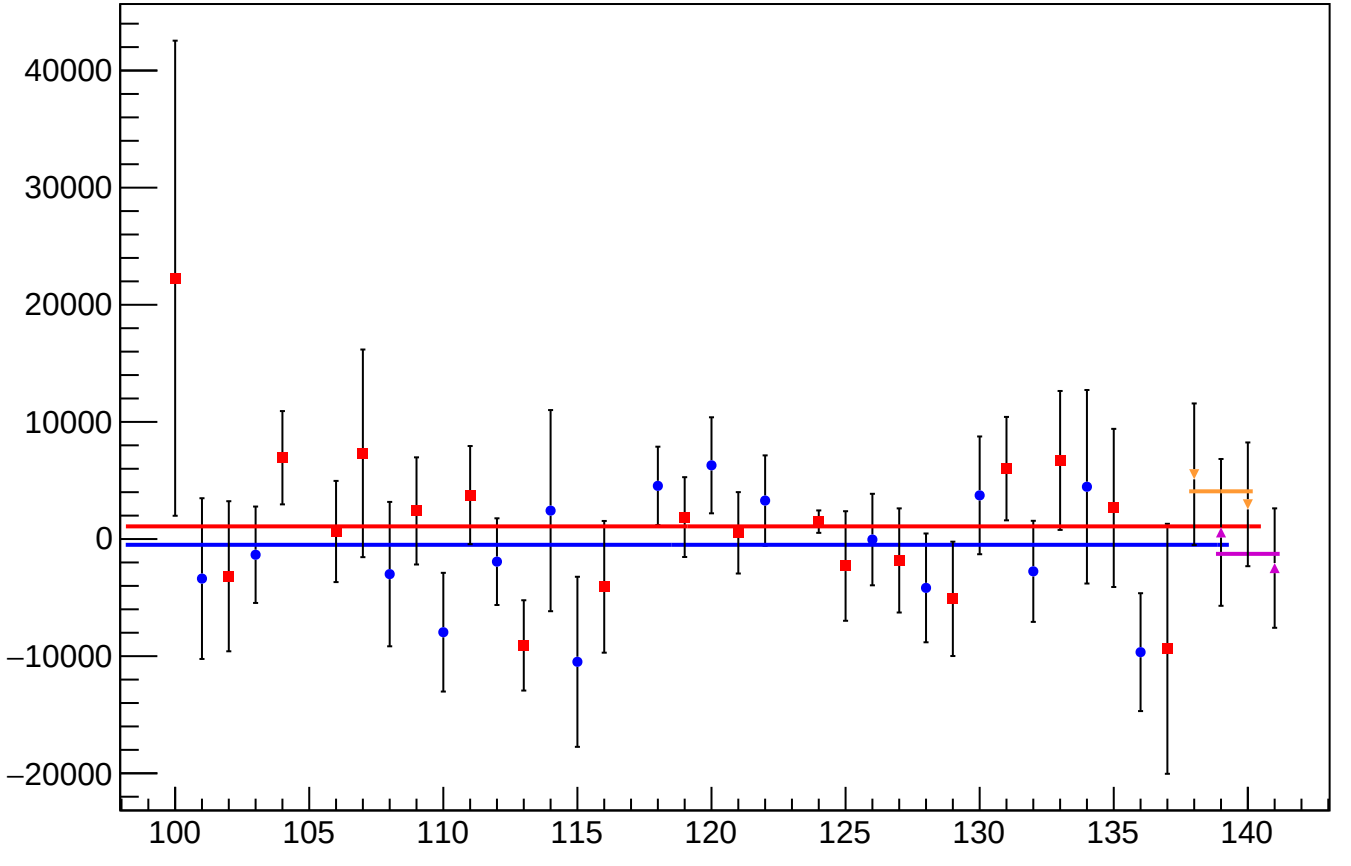
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1783.485+/-0.430 χ^2/NDF:697655.6/17

Out: 1777.091+/-0.425 χ^2/NDF:324280.1/20

All: 1780.247+/-0.302 χ^2/NDF: 1022047.6/38

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: 4074.199+/-3978.272 χ^2/NDF:0.1/1

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -1265.611+/-3955.219 χ^2/NDF:0.1/1

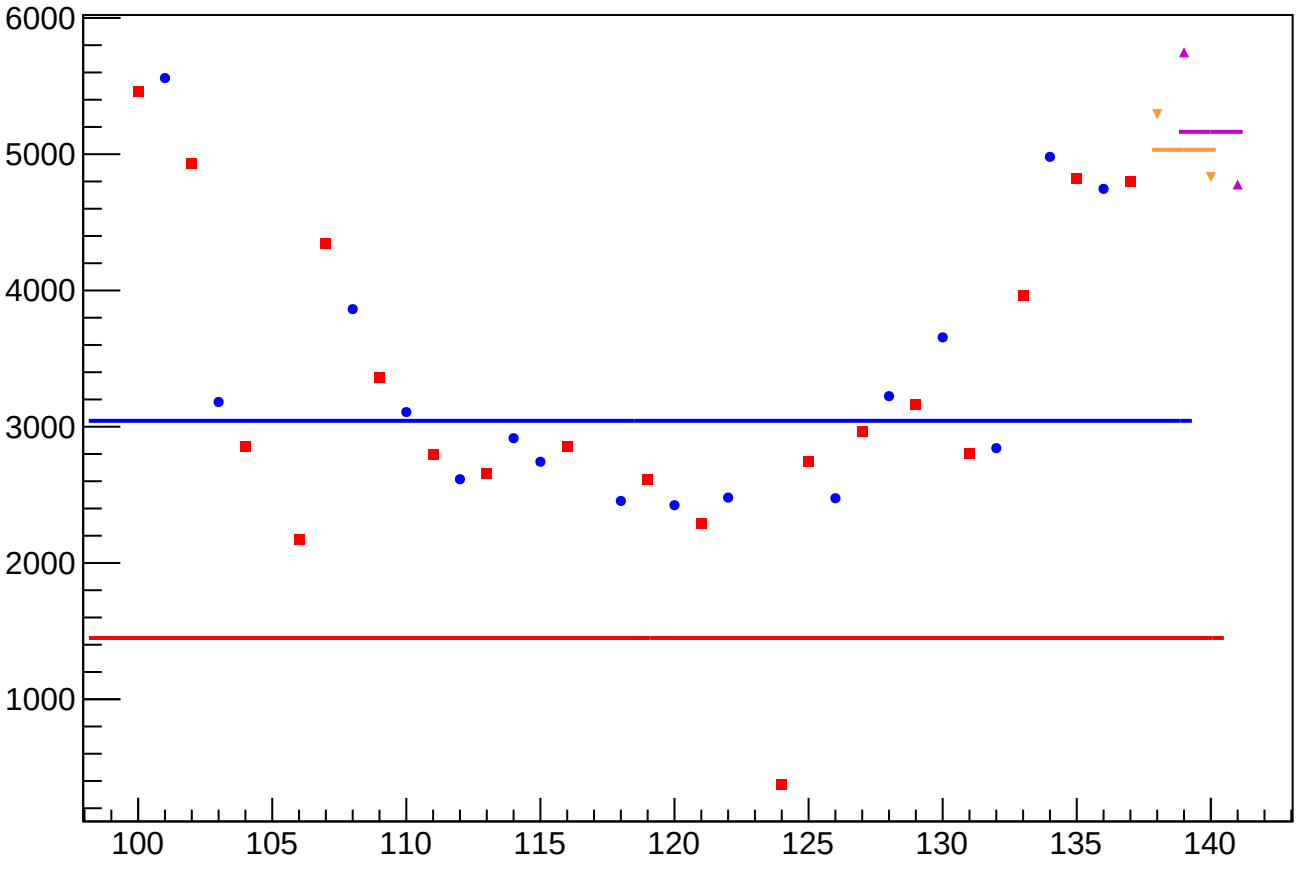
Left: 1388.778+/-2804.877 χ^2/NDF: 1.2/3

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -555.407+/-1124.797 χ^2/NDF:16.2/17

Out: 1178.805+/-719.399 χ^2/NDF:19.1/20

All: 675.347+/-606.045 χ^2/NDF: 36.9/38



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 5032.382+/-2.813 χ^2/NDF:6593.9/1

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5164.327+/-2.797 χ^2/NDF:28843.4/1

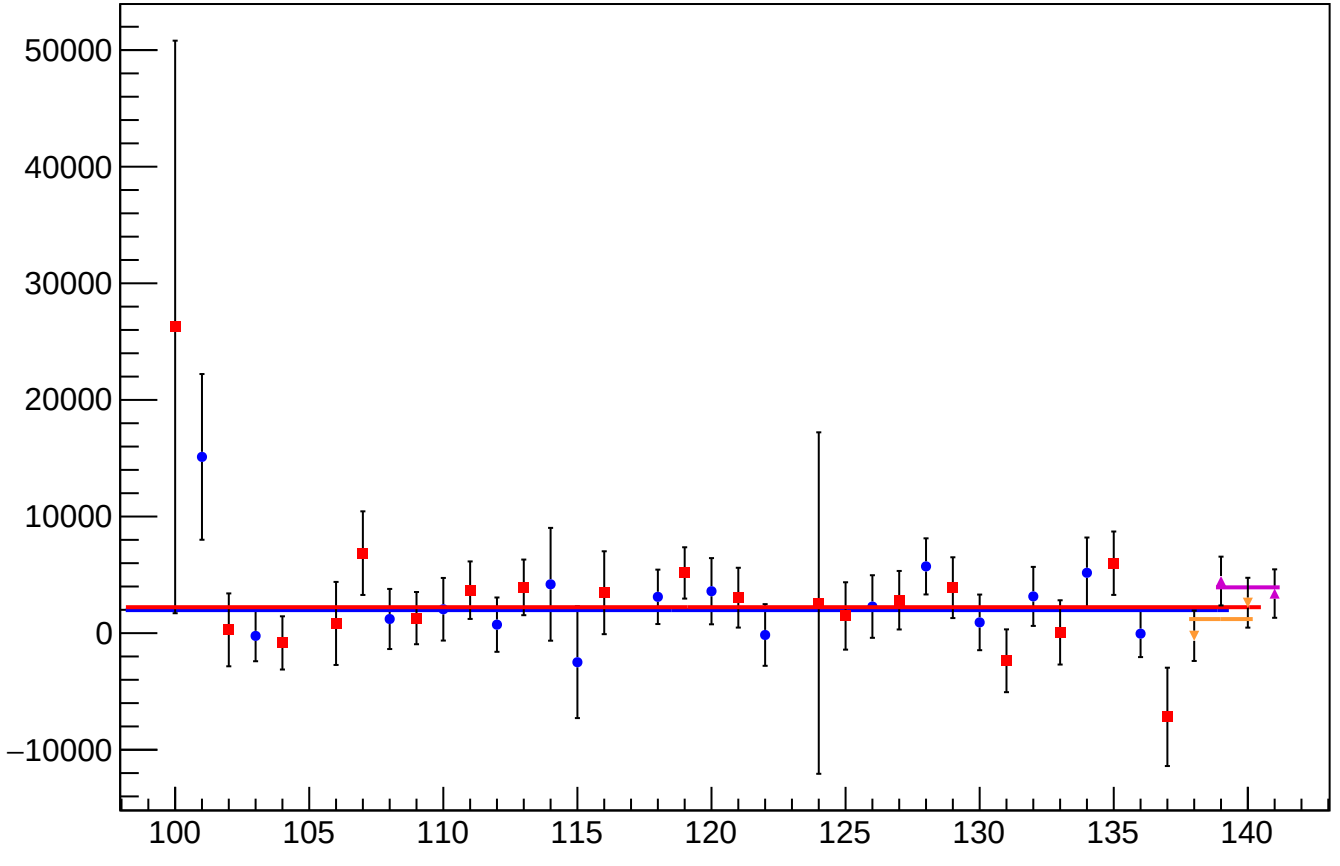
Left: 5098.738+/-1.983 χ^2/NDF: 36543.7/3

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3214.808+/-0.795 χ^2/NDF:1463153.7/17

Out: 1566.676+/-0.509 χ^2/NDF:8401455.7/20

All: 2045.144+/-0.429 χ^2/NDF: 12912044.9/3



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1207.014+/-1518.895 χ^2/NDF:0.9/1

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3928.008+/-1473.880 χ^2/NDF:0.1/1

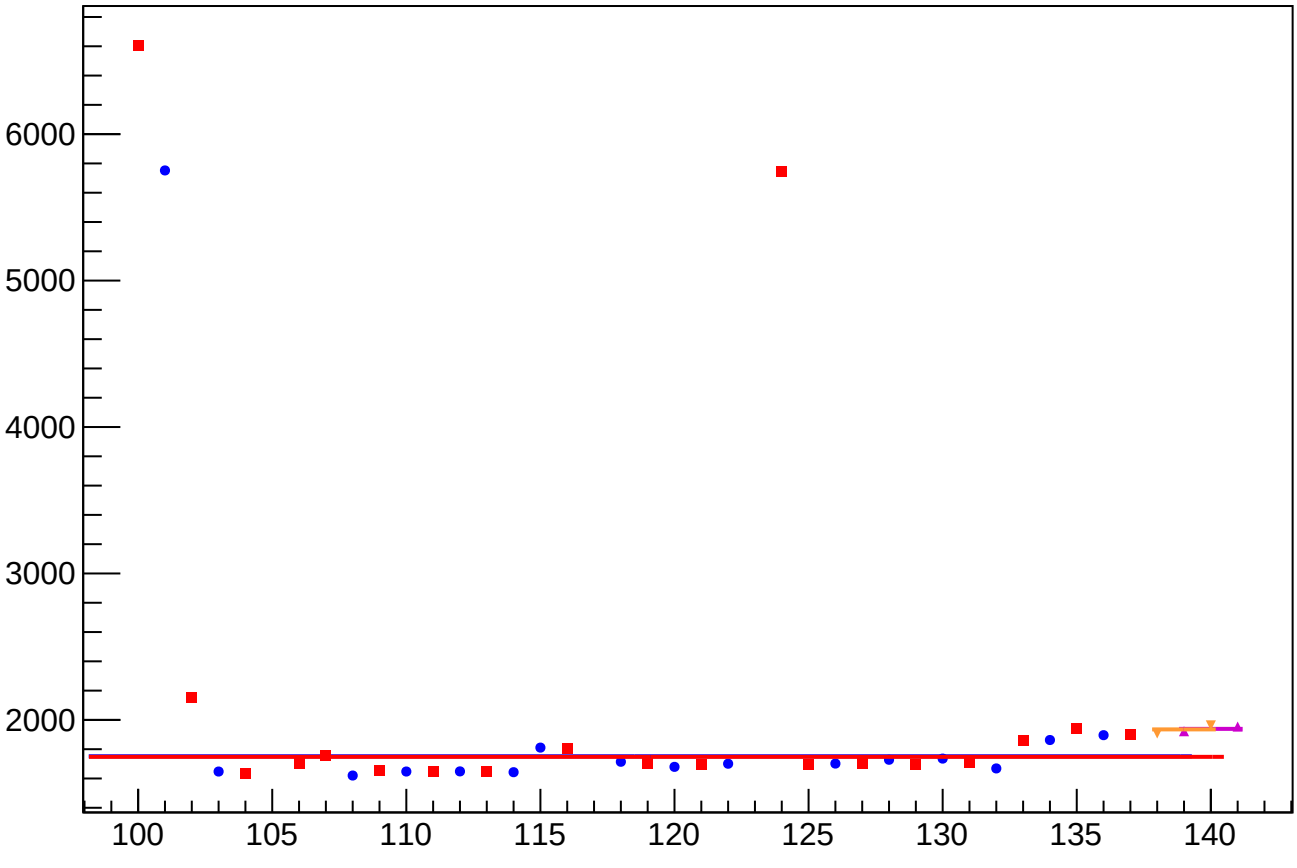
Left: 2608.428+/-1057.747 χ^2/NDF: 2.7/3

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2308.355+/-608.208 χ^2/NDF:13.7/17

Out: 2065.915+/-602.454 χ^2/NDF:20.2/20

All: 2185.983+/-428.019 χ^2/NDF: 34.0/38



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1935.238+/-1.074 χ^2/NDF:662.9/1

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1938.811+/-1.042 χ^2/NDF:232.7/1

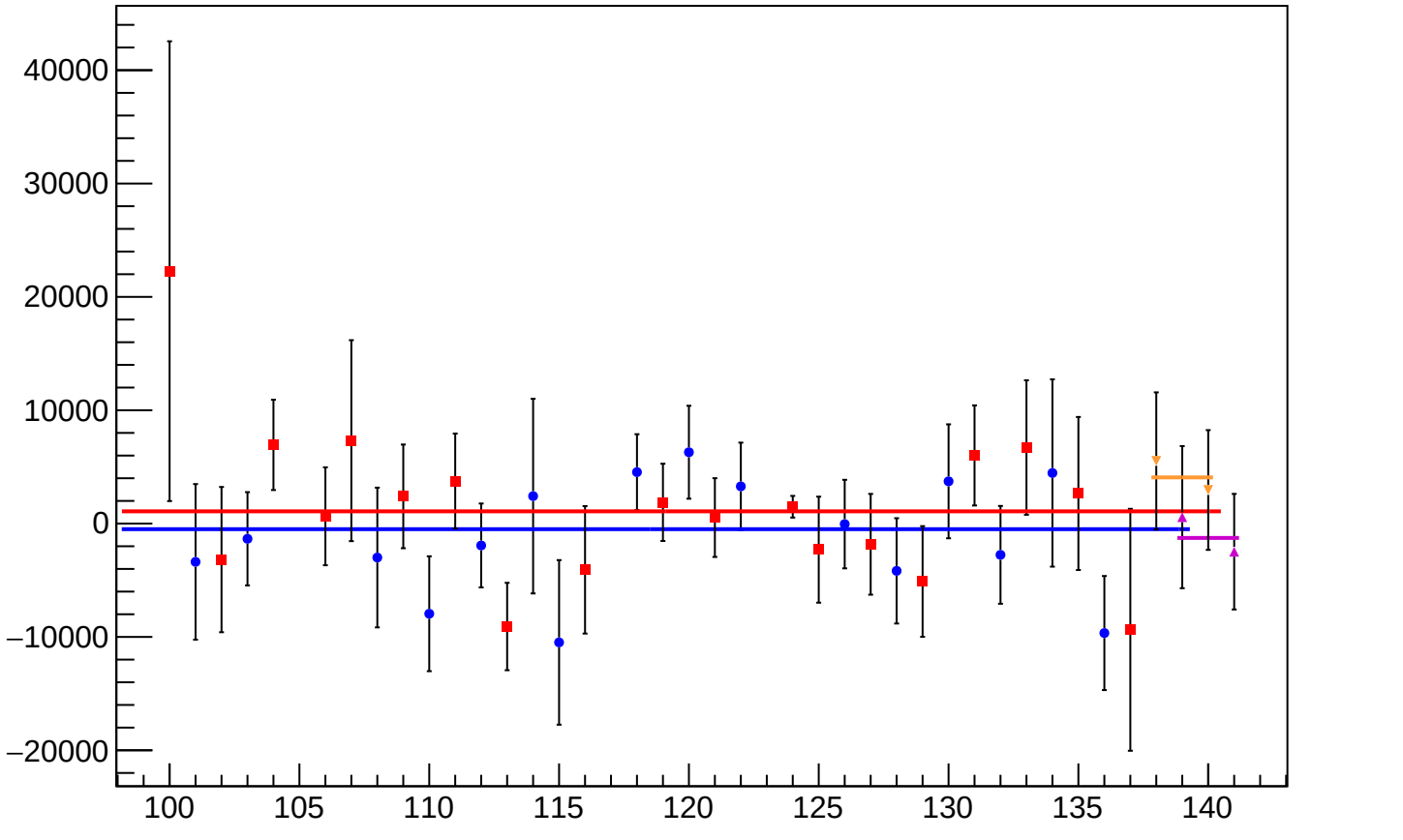
Left: 1937.079+/-0.748 χ^2/NDF: 901.3/3

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1783.485+/-0.430 χ^2/NDF:697655.6/17

Out: 1777.091+/-0.425 χ^2/NDF:324280.1/20

All: 1780.247+/-0.302 χ^2/NDF: 1022047.6/38



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: 4074.199+/-3978.272 χ^2/NDF:0.1/1

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -1265.611+/-3955.219 χ^2/NDF:0.1/1

Left: 1388.778+/-2804.877 χ^2/NDF: 1.2/3

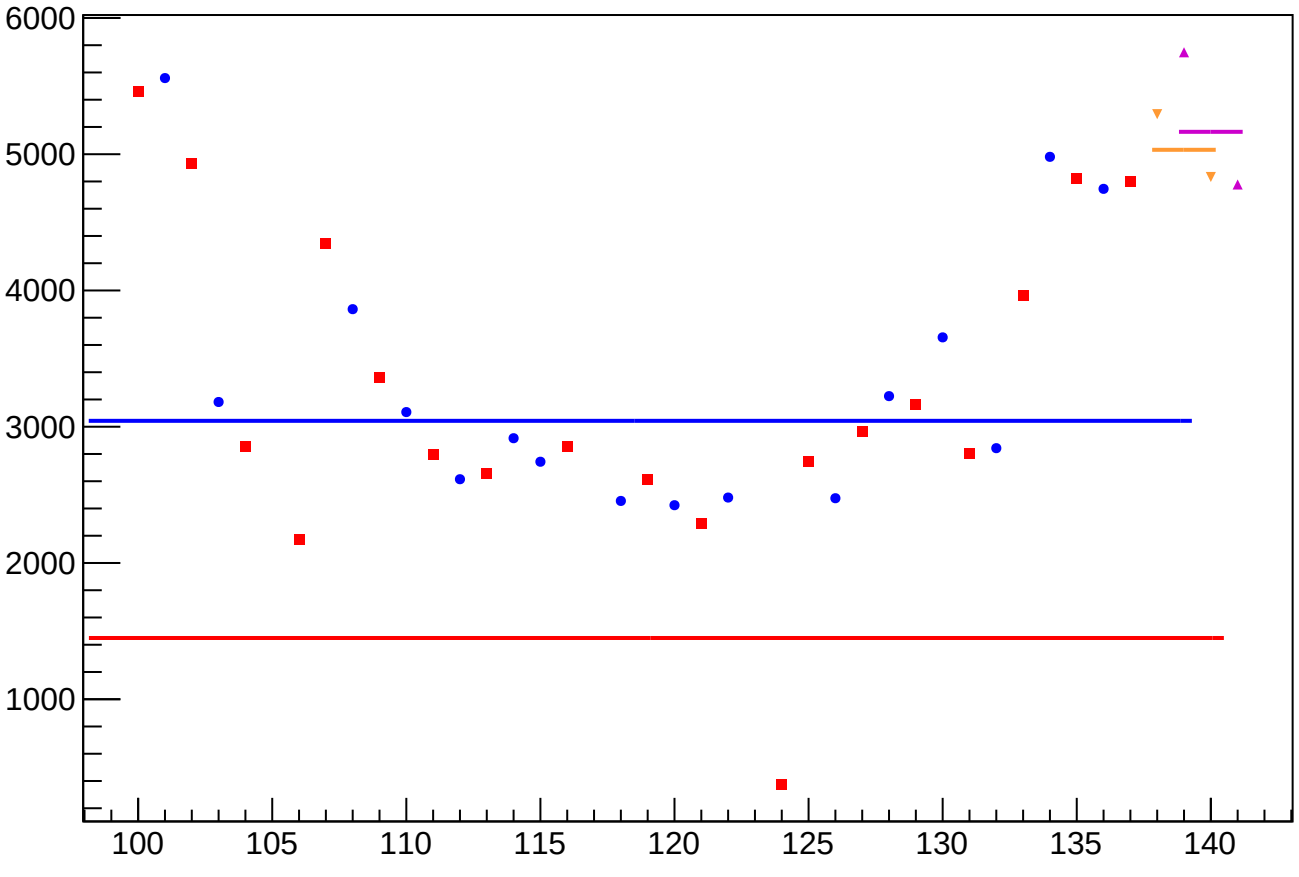
Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -555.407+/-1124.797 χ^2/NDF:16.2/17

Out: 1178.805+/-719.399 χ^2/NDF:19.1/20

All: 675.347+/-606.045 χ^2/NDF: 36.9/38

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 5032.382+/-2.813 χ^2/NDF:6593.9/1

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5164.327+/-2.797 χ^2/NDF:28843.4/1

Left: 5098.738+/-1.983 χ^2/NDF: 36543.7/3

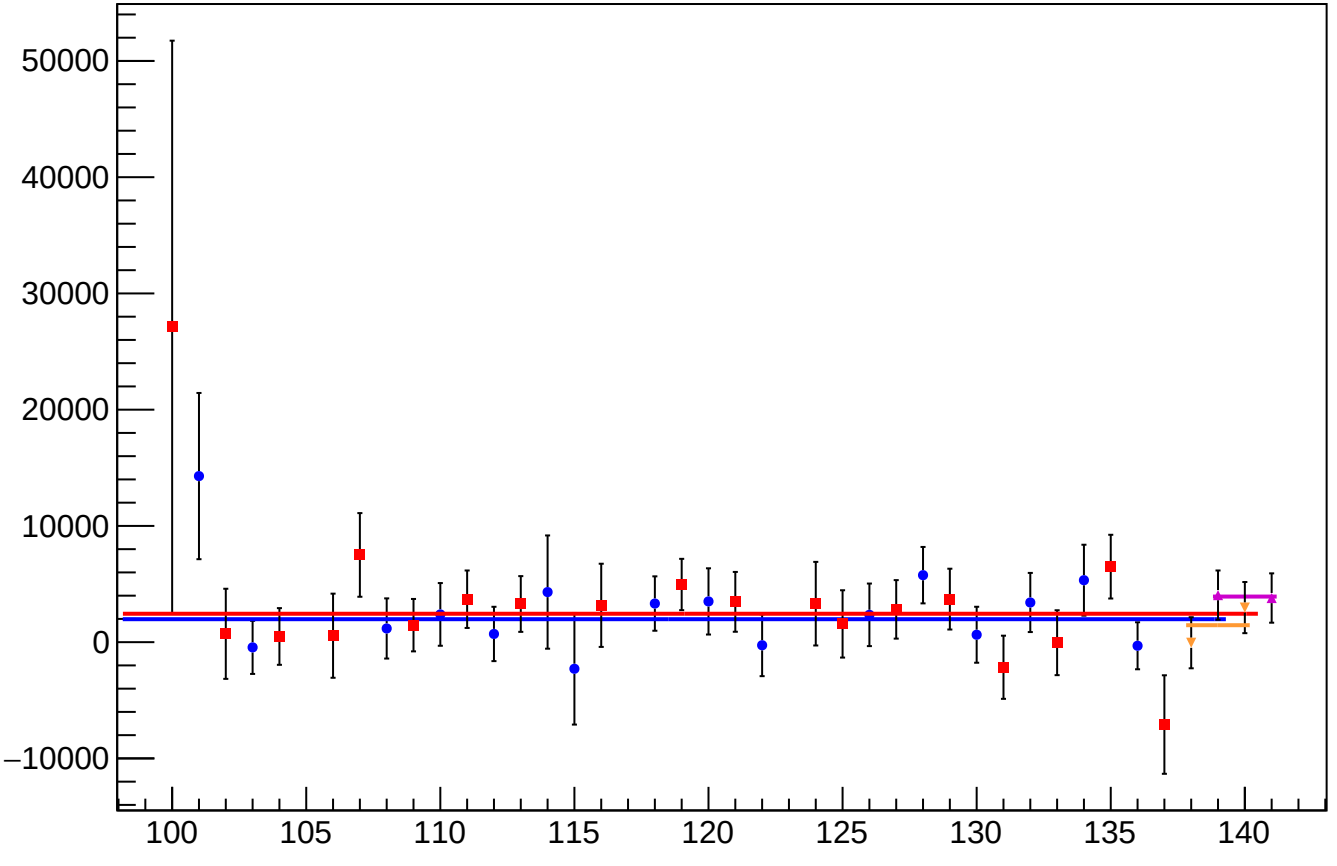
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3214.808+/-0.795 χ^2/NDF:1463153.7/17

Out: 1566.676+/-0.509 χ^2/NDF:8401455.7/20

All: 2045.144+/-0.429 χ^2/NDF: 12912044.9/3

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1459.599+/-1554.888 χ^2/NDF:0.9/1

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3922.599+/-1499.115 χ^2/NDF:0.0/1

Left: 2736.064+/-1079.213 χ^2/NDF: 2.3/3

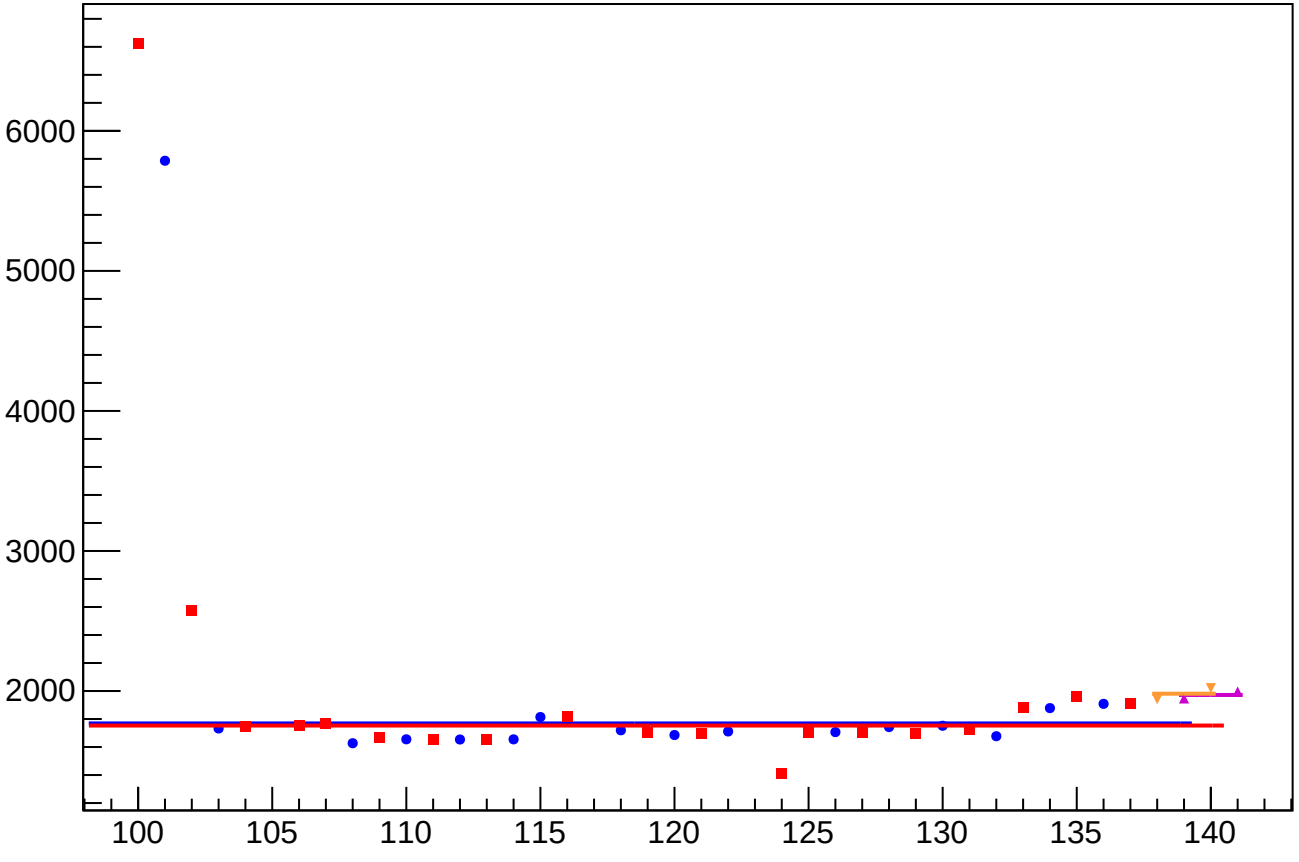
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2303.226+/-614.793 χ^2/NDF:13.8/17

Out: 2294.777+/-605.726 χ^2/NDF:18.8/20

All: 2298.939+/-431.483 χ^2/NDF: 32.6/38

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1980.770+/-1.099 χ^2/NDF:1306.1/1

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1971.699+/-1.060 χ^2/NDF:548.8/1

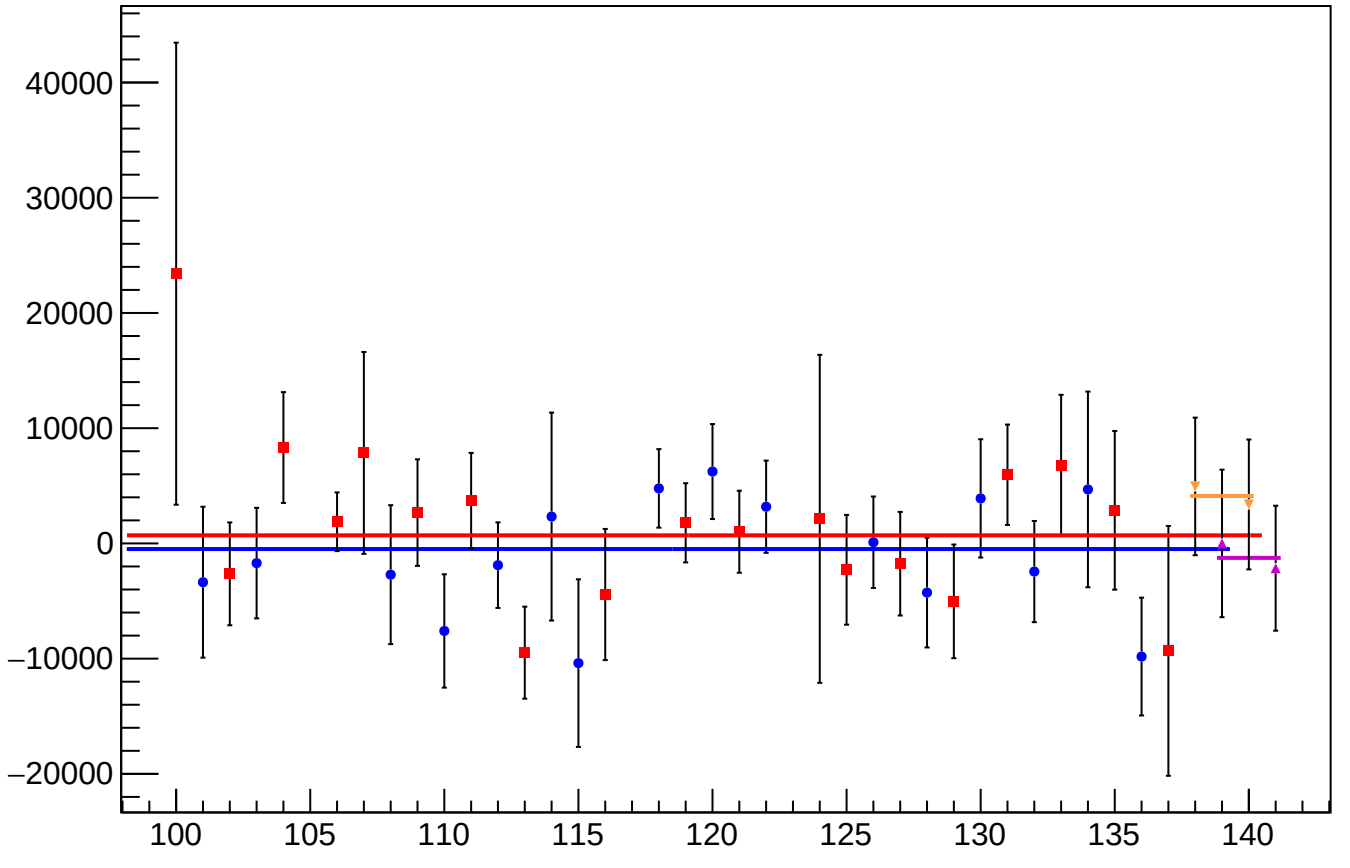
Left: 1976.069+/-0.763 χ^2/NDF: 1890.2/3

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1802.658+/-0.435 χ^2/NDF:698487.5/17

Out: 1787.735+/-0.427 χ^2/NDF:256481.1/20

All: 1795.069+/-0.305 χ^2/NDF: 955567.8/38



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 4118.763+/-4098.653 χ^2/NDF:0.0/1

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: -1253.414+/-4137.760 χ^2/NDF:0.1/1

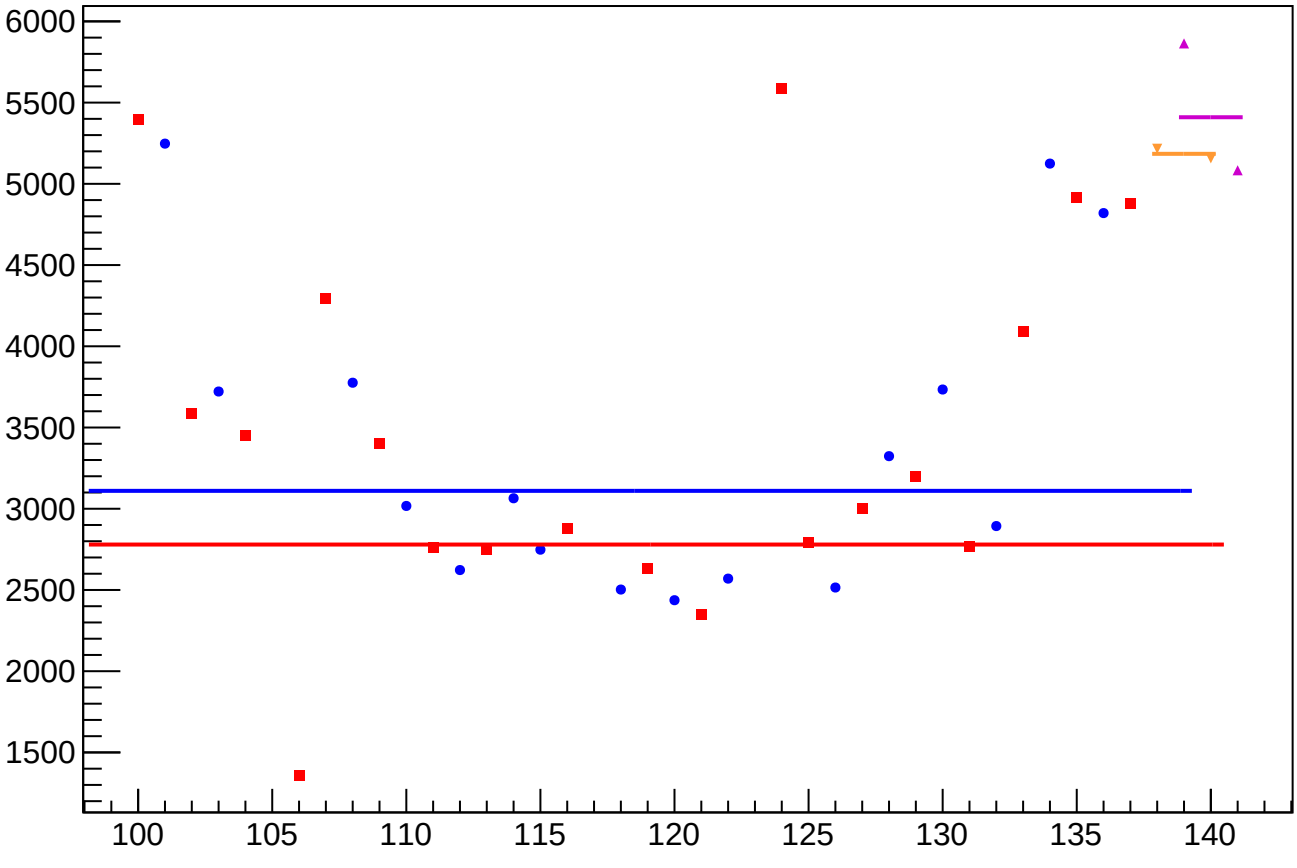
Left: 1458.182+/-2911.913 χ^2/NDF: 1.0/3

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -547.342+/-1151.187 χ^2/NDF:15.8/17

Out: 921.041+/-1034.819 χ^2/NDF:19.5/20

All: 264.795+/-769.590 χ^2/NDF: 36.3/38



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 5184.666+/-2.898 χ^2/NDF:103.8/1

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5409.893+/-2.926 χ^2/NDF:17329.0/1

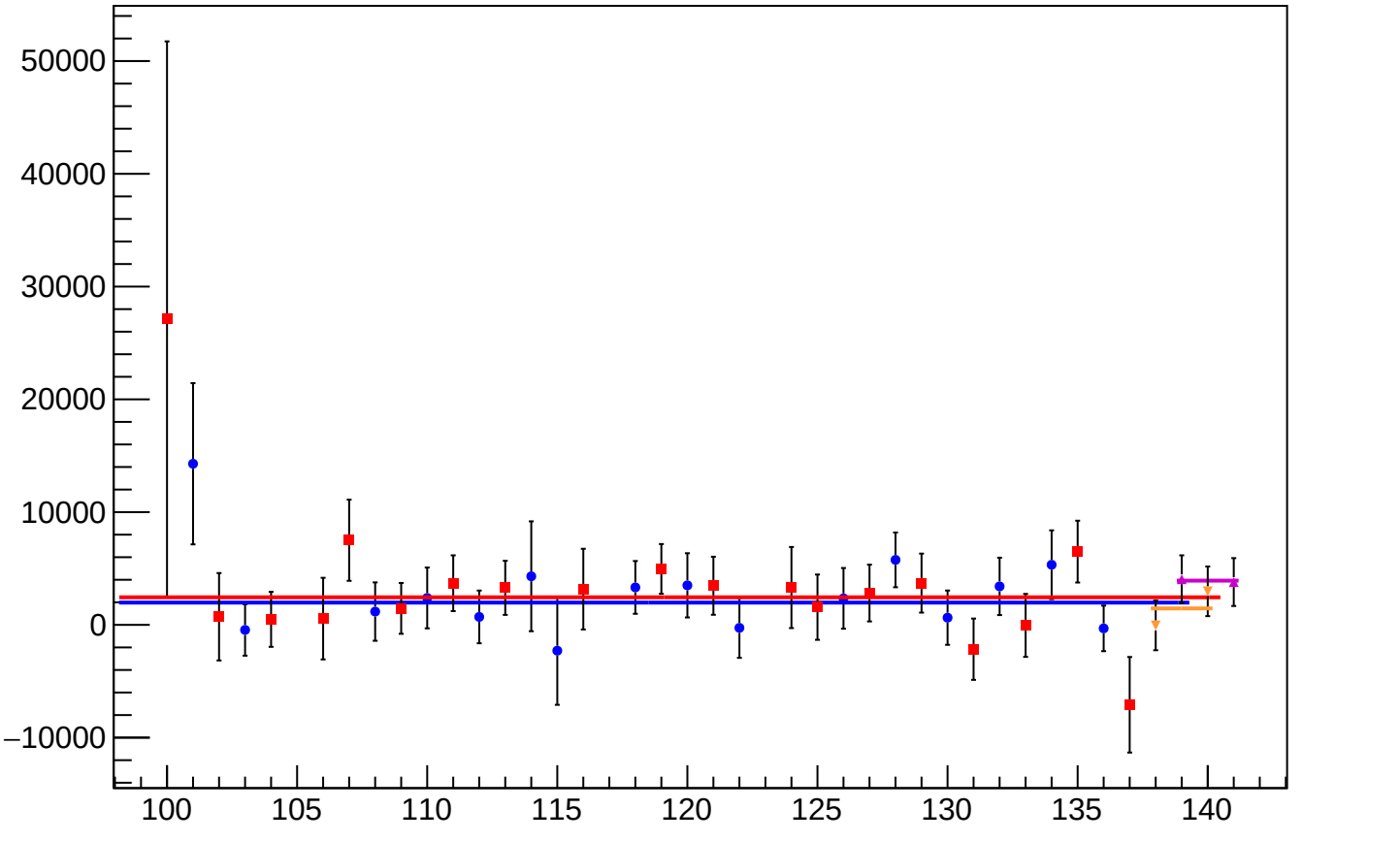
Left: 5296.210+/-2.059 χ^2/NDF: 20423.8/3

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3288.142+/-0.814 χ^2/NDF:1470593.2/17

Out: 2932.939+/-0.732 χ^2/NDF:1992985.9/20

All: 3091.686+/-0.544 χ^2/NDF: 3568892.0/38



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1459.609+/-1554.889 χ^2/NDF:0.9/1

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3922.594+/-1499.116 χ^2/NDF:0.0/1

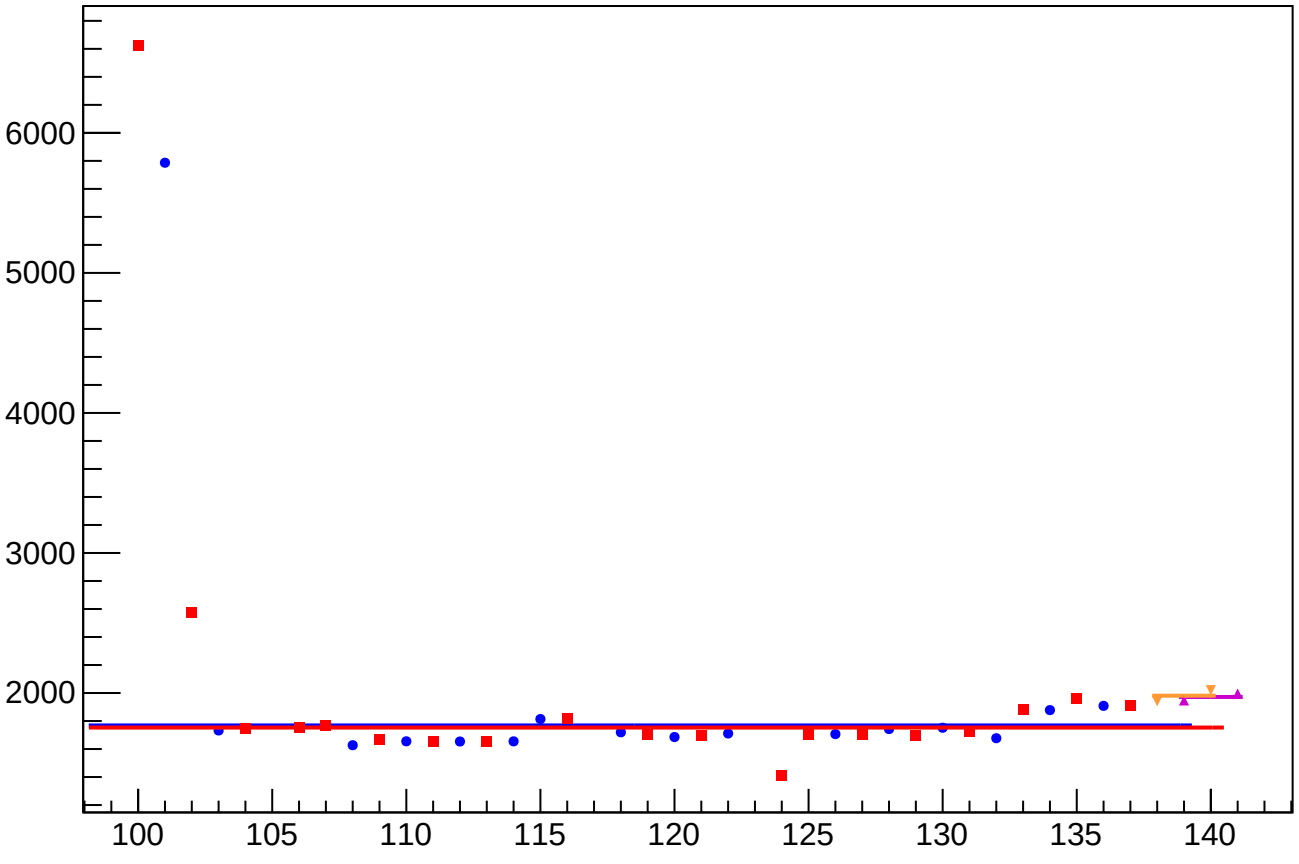
Left: 2736.065+/-1079.214 χ^2/NDF: 2.3/3

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2303.226+/-614.793 χ^2/NDF:13.8/17

Out: 2294.779+/-605.726 χ^2/NDF:18.8/20

All: 2298.940+/-431.483 χ^2/NDF: 32.6/38



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1980.770+/-1.099 χ^2/NDF:1306.1/1

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1971.700+/-1.060 χ^2/NDF:548.8/1

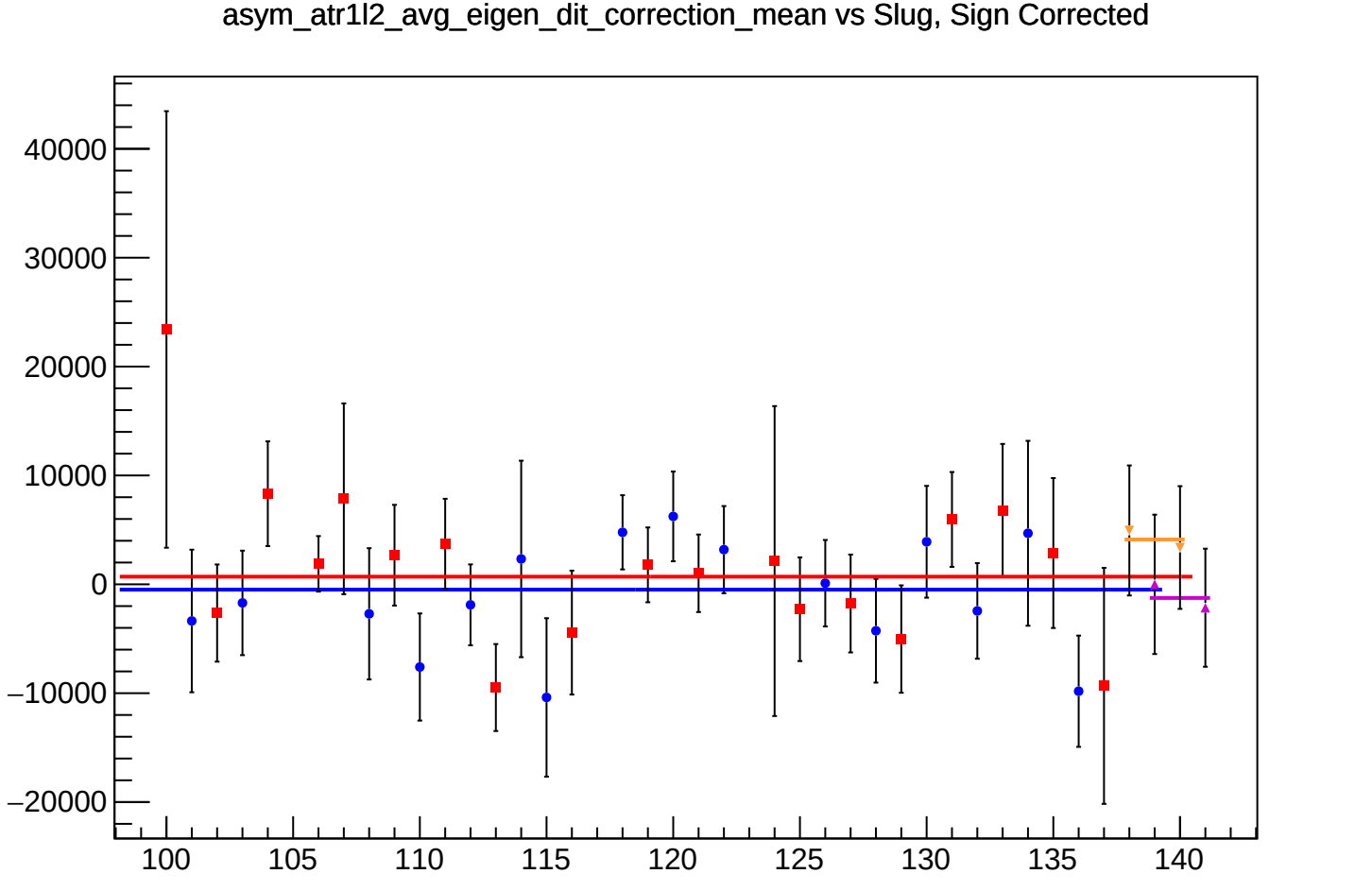
Left: 1976.070+/-0.763 χ^2/NDF: 1890.2/3

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1802.658+/-0.435 χ^2/NDF:698487.8/17

Out: 1787.735+/-0.427 χ^2/NDF:256481.2/20

All: 1795.069+/-0.305 χ^2/NDF: 955568.4/38



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 4118.771+/-4098.662 χ^2/NDF:0.0/1

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: -1253.417+/-4137.769 χ^2/NDF:0.1/1

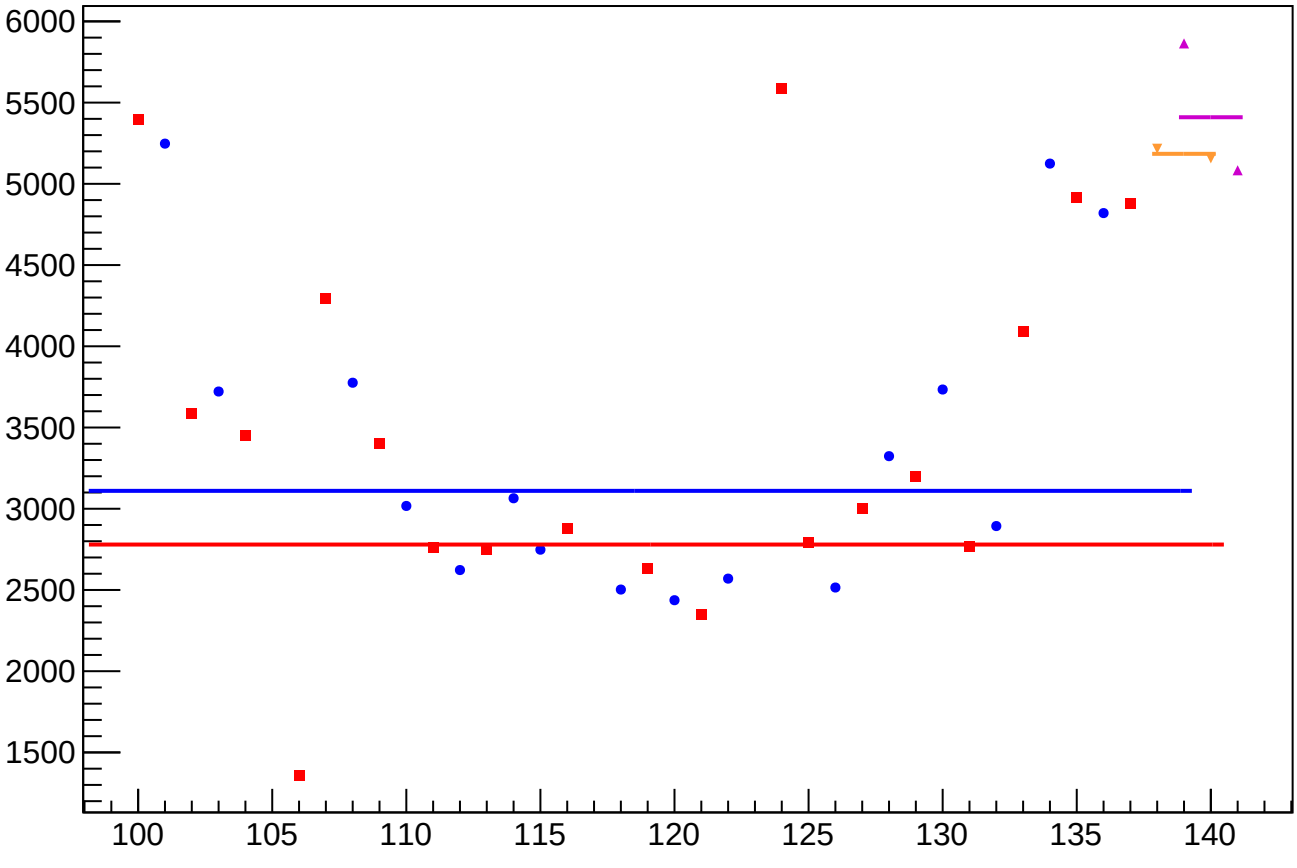
Left: 1458.183+/-2911.920 χ^2/NDF: 1.0/3

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -547.336+/-1151.184 χ^2/NDF:15.8/17

Out: 921.041+/-1034.816 χ^2/NDF:19.5/20

All: 264.798+/-769.588 χ^2/NDF: 36.3/38



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 5184.678+/-2.898 χ^2/NDF:103.9/1

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5409.904+/-2.926 χ^2/NDF:17329.4/1

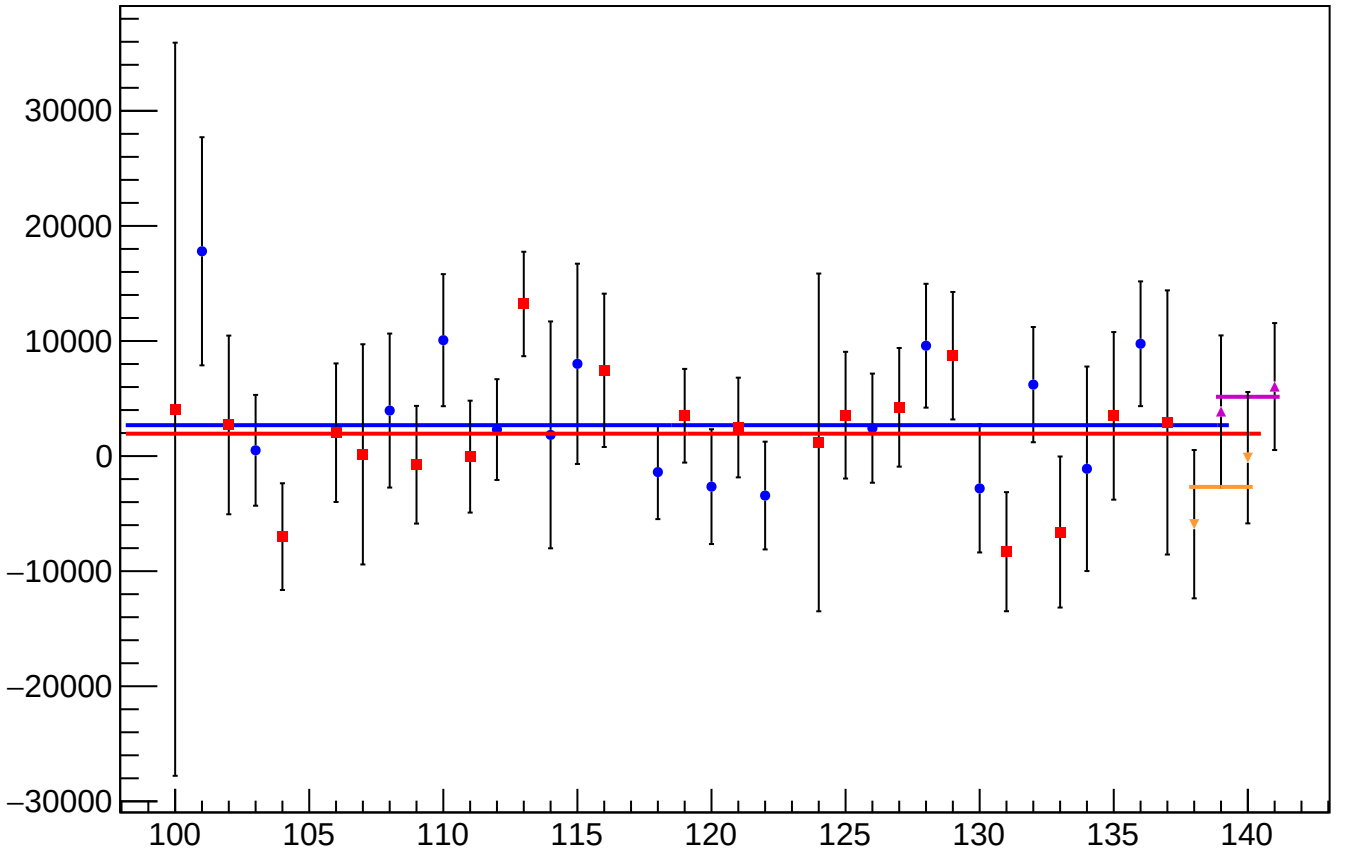
Left: 5296.222+/-2.059 χ^2/NDF: 20424.3/3

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3288.131+/-0.814 χ^2/NDF:1470612.8/17

Out: 2932.926+/-0.732 χ^2/NDF:1993015.9/20

All: 3091.673+/-0.544 χ^2/NDF: 3568943.4/38



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: -2679.013+/-4273.291 χ^2/NDF:0.5/1

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 5152.388+/-4235.628 χ^2/NDF:0.1/1

Left: 1271.351+/-3008.269 χ^2/NDF: 2.2/3

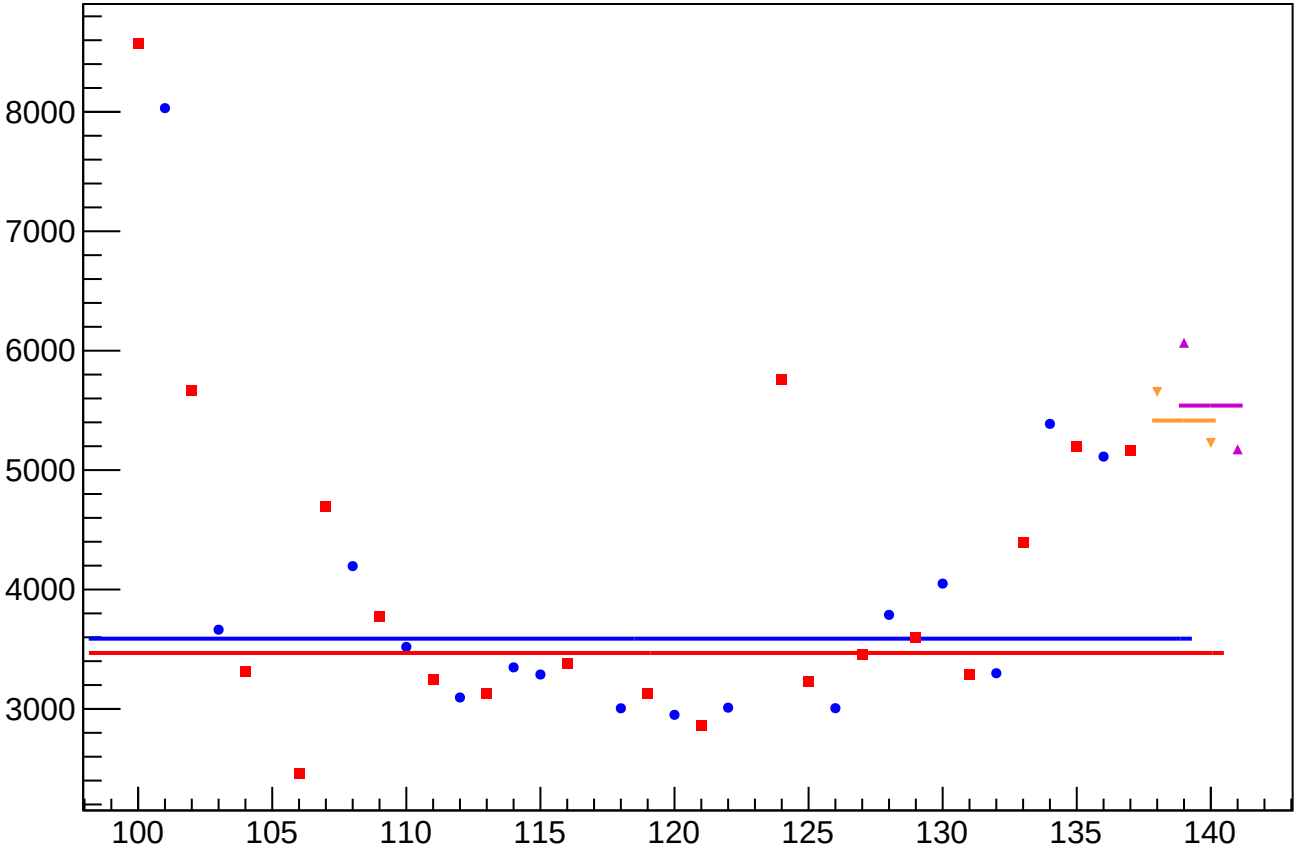
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2922.126+/-1312.035 χ^2/NDF:13.8/17

Out: 1535.591+/-1272.513 χ^2/NDF:20.2/20

All: 2207.661+/-913.455 χ^2/NDF: 34.6/38

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5414.988+/-3.022 χ^2/NDF:4932.6/1

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5540.454+/-2.995 χ^2/NDF:21474.8/1

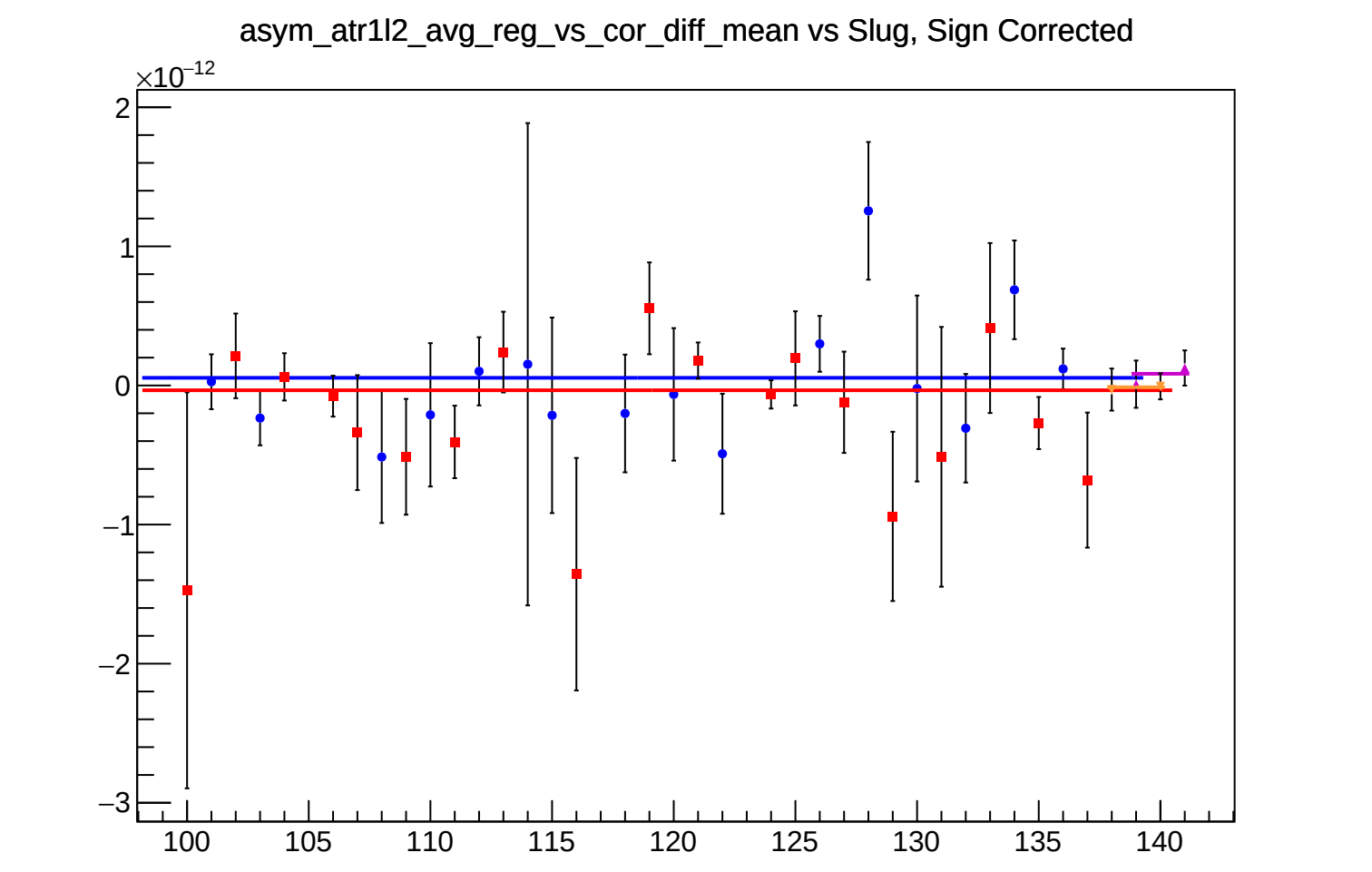
Left: 5478.276+/-2.127 χ^2/NDF: 27277.1/3

Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 3775.731+/-0.928 χ^2/NDF:1250715.2/17

Out: 3636.464+/-0.887 χ^2/NDF:1050605.0/20

All: 3702.997+/-0.641 χ^2/NDF: 2313088.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

Left: 0.000+/-0.000 χ^2/NDF: 0.9/3

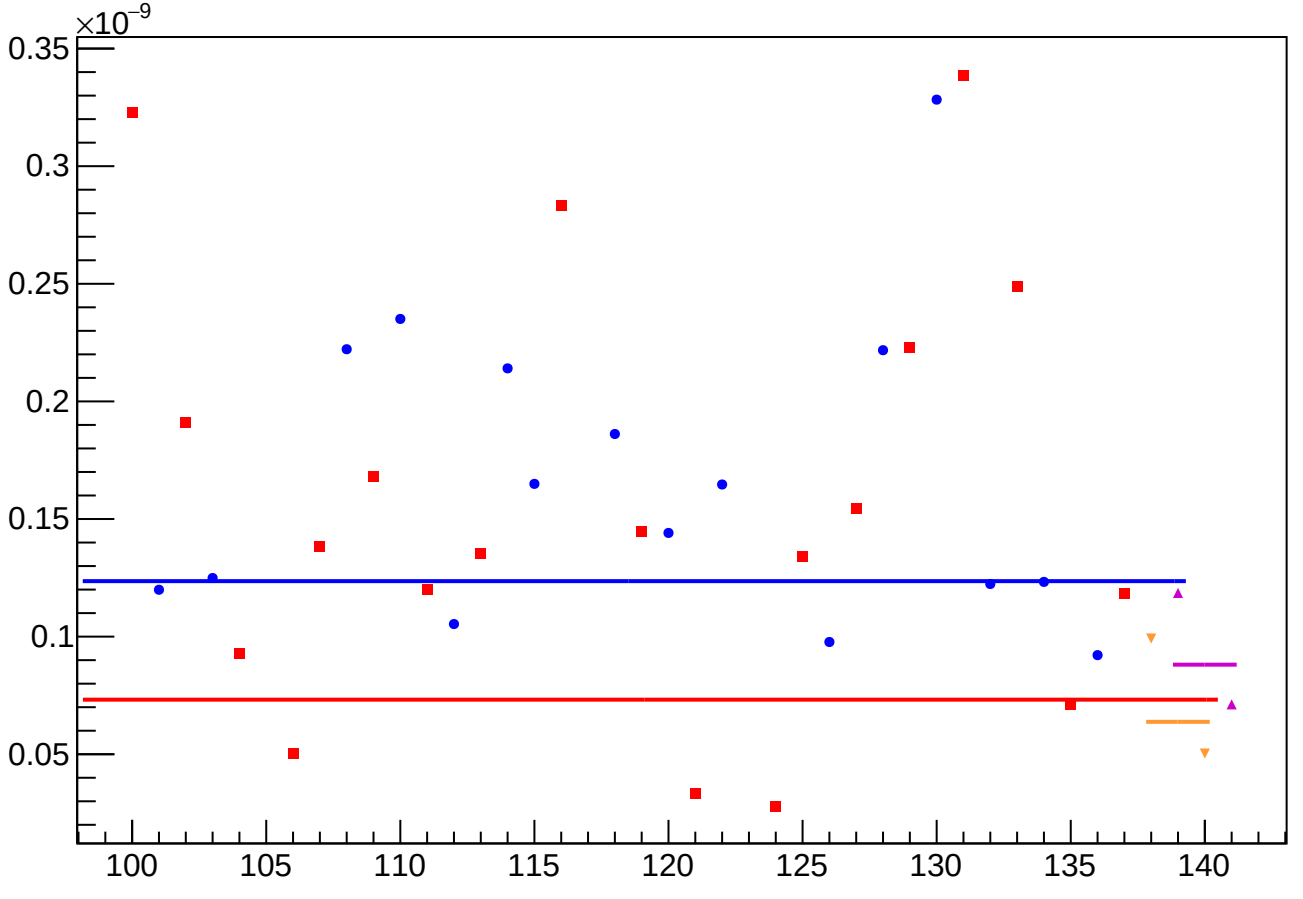
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:18.1/17

Out: -0.000+/-0.000 χ^2/NDF:22.3/20

All: 0.000+/-0.000 χ^2/NDF: 42.0/38

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:151206.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:100163.9/1

Left: 0.000+/-0.000 χ^2/NDF: 322575.2/3

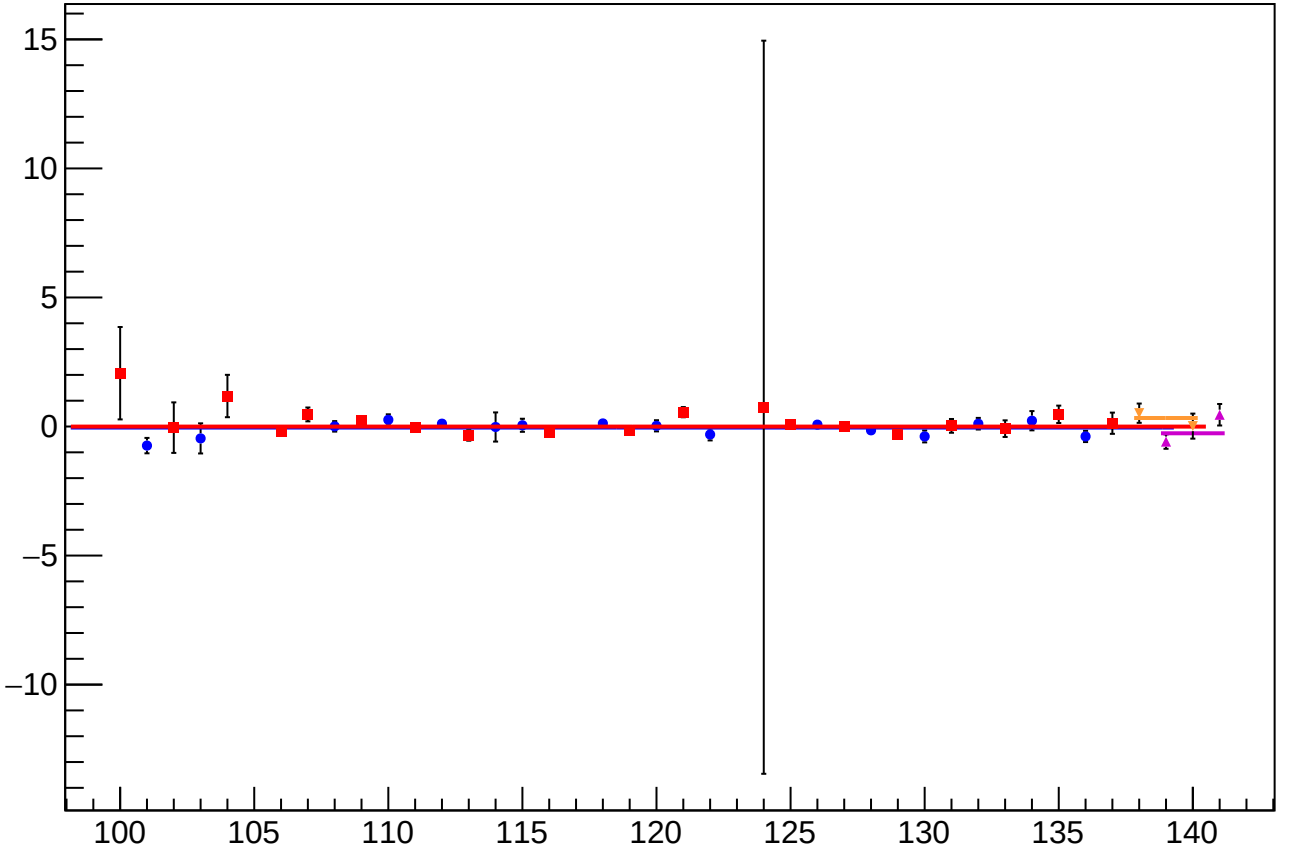
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:923683.3/17

Out: 0.000+/-0.000 χ^2/NDF:2359519.7/20

All: 0.000+/-0.000 χ^2/NDF: 3901708.3/38

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.330+/-0.296 χ^2/NDF:0.7/1

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.262+/-0.232 χ^2/NDF:4.3/1

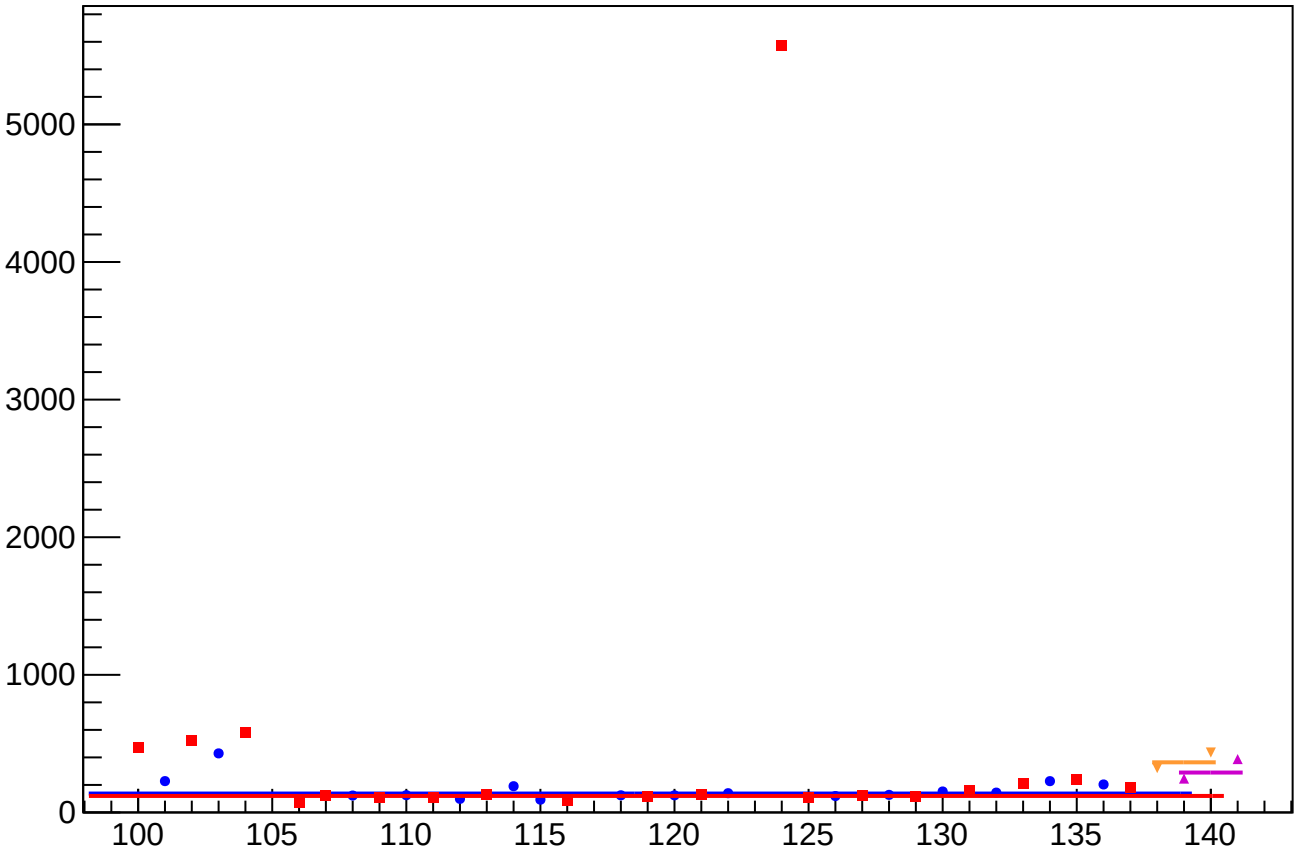
Left: -0.037+/-0.182 χ^2/NDF: 7.5/3

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.052+/-0.054 χ^2/NDF:23.1/17

Out: 0.007+/-0.050 χ^2/NDF:30.6/20

All: -0.020+/-0.037 χ^2/NDF: 54.4/38



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 364.283+/-0.209 χ^2/NDF:68914.1/1

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 289.991+/-0.164 χ^2/NDF:160020.7/1

Left: 318.242+/-0.129 χ^2/NDF: 307097.1/3

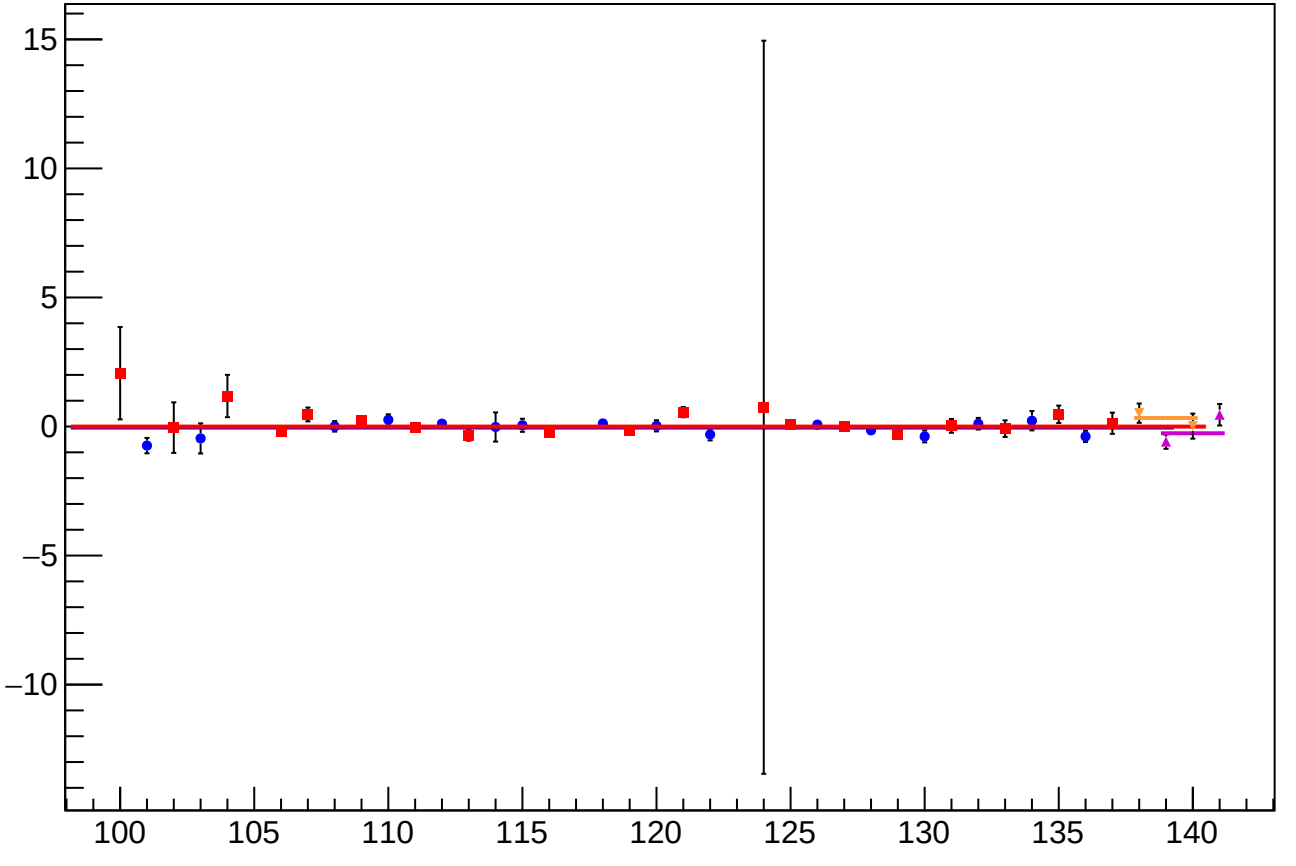
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 145.767+/-0.038 χ^2/NDF:2247820.8/17

Out: 127.036+/-0.035 χ^2/NDF:3533116.0/20

All: 135.671+/-0.026 χ^2/NDF: 5909362.5/38

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.330+/-0.296 χ^2/NDF:0.7/1

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.262+/-0.232 χ^2/NDF:4.3/1

Left: -0.037+/-0.182 χ^2/NDF: 7.5/3

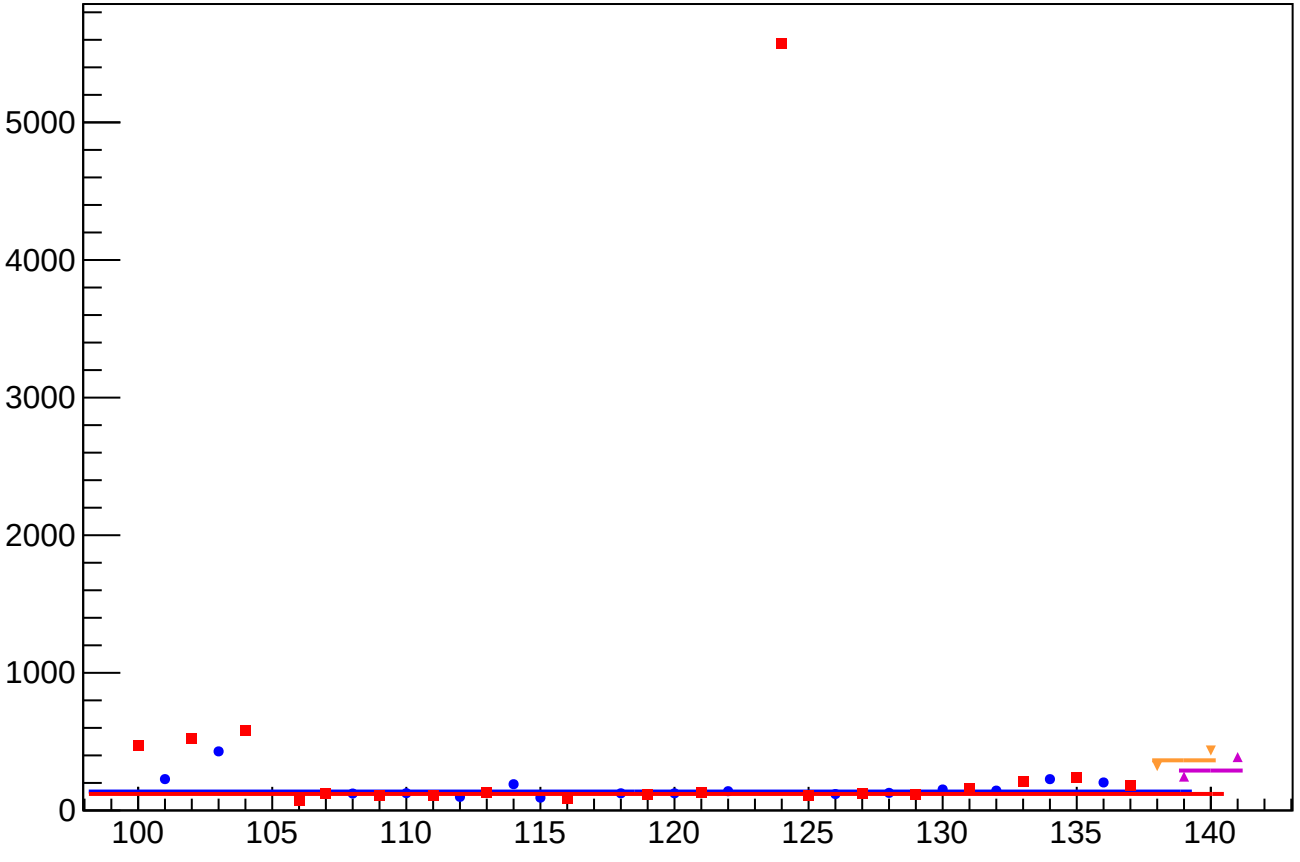
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.052+/-0.054 χ^2/NDF:23.1/17

Out: 0.007+/-0.050 χ^2/NDF:30.6/20

All: -0.020+/-0.037 χ^2/NDF: 54.4/38

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 364.283+/-0.209 χ^2/NDF:68914.1/1

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 289.991+/-0.164 χ^2/NDF:160020.7/1

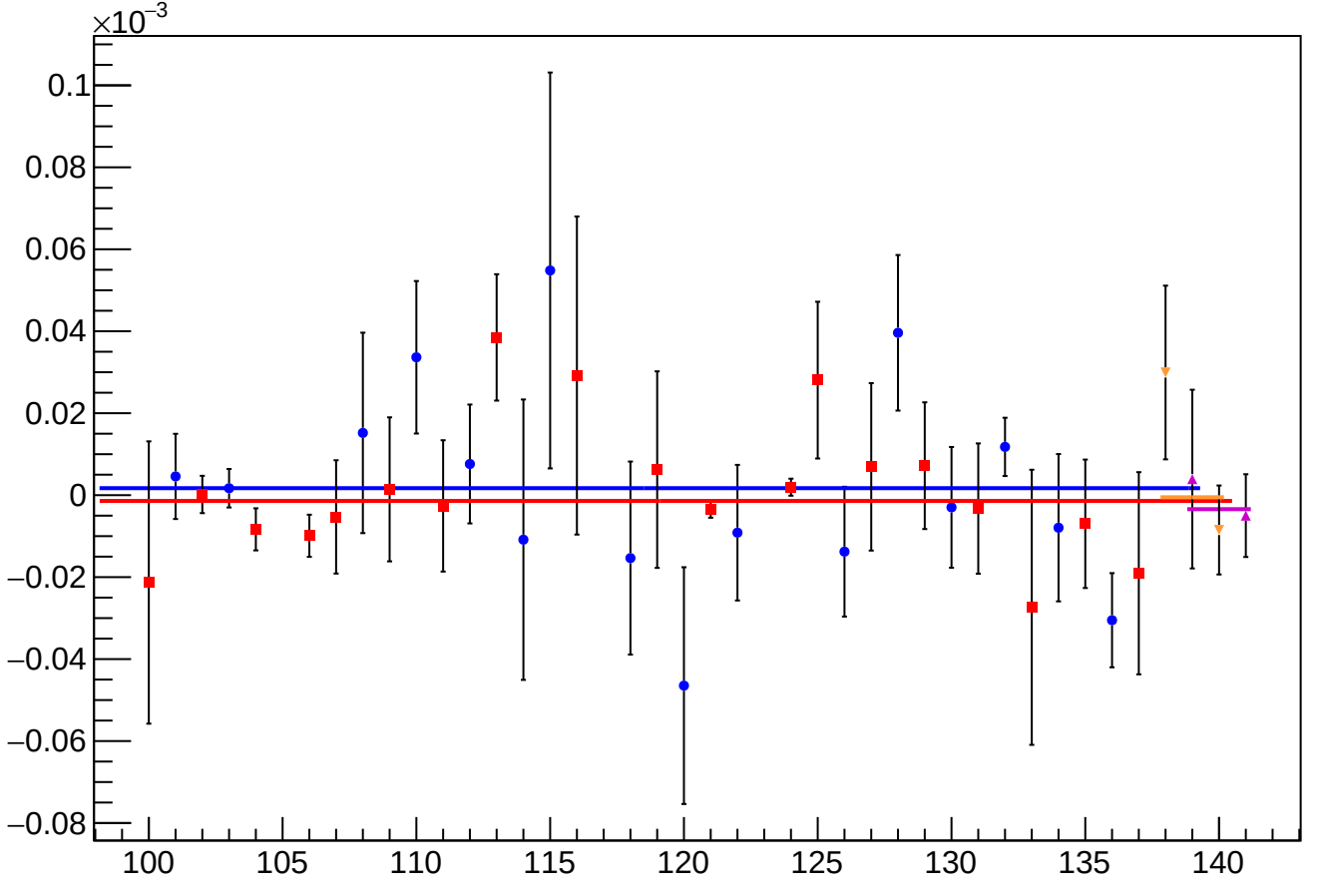
Left: 318.242+/-0.129 χ^2/NDF: 307097.1/3

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 145.767+/-0.038 χ^2/NDF:2247820.8/17

Out: 127.036+/-0.035 χ^2/NDF:3533116.0/20

All: 135.671+/-0.026 χ^2/NDF: 5909362.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

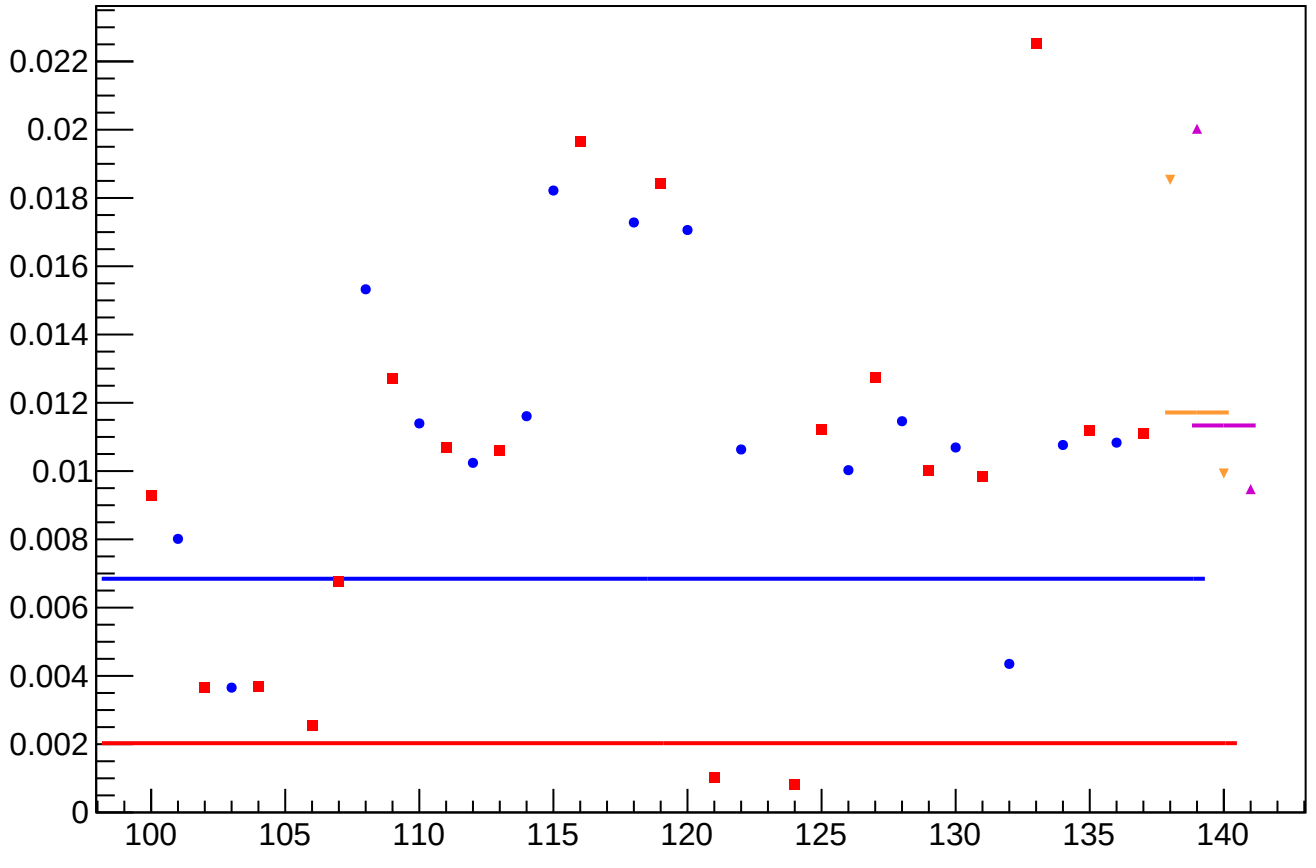
Left: -0.000+/-0.000 χ^2/NDF: 2.8/3

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:24.2/17

Out: -0.000+/-0.000 χ^2/NDF:22.9/20

All: -0.000+/-0.000 χ^2/NDF: 47.8/38



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.012+/-0.000 χ^2/NDF:261214.6/1

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.011+/-0.000 χ^2/NDF:386162.0/1

Left: 0.012+/-0.000 χ^2/NDF: 649006.8/3

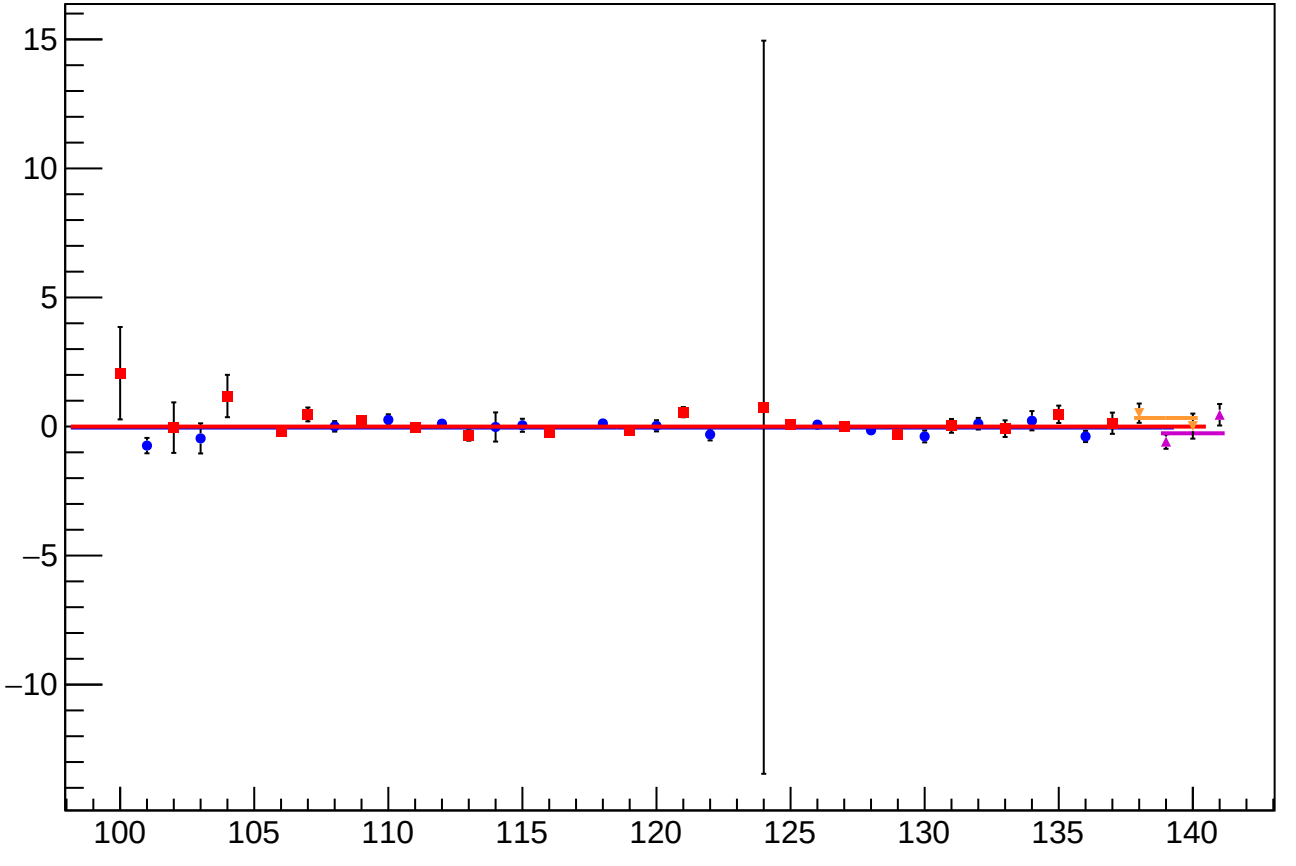
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.007+/-0.000 χ^2/NDF:4051149.9/17

Out: 0.002+/-0.000 χ^2/NDF:11246235.7/20

All: 0.003+/-0.000 χ^2/NDF: 20723111.9/38

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.330+/-0.296 χ^2/NDF:0.7/1

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.262+/-0.232 χ^2/NDF:4.3/1

Left: -0.037+/-0.182 χ^2/NDF: 7.5/3

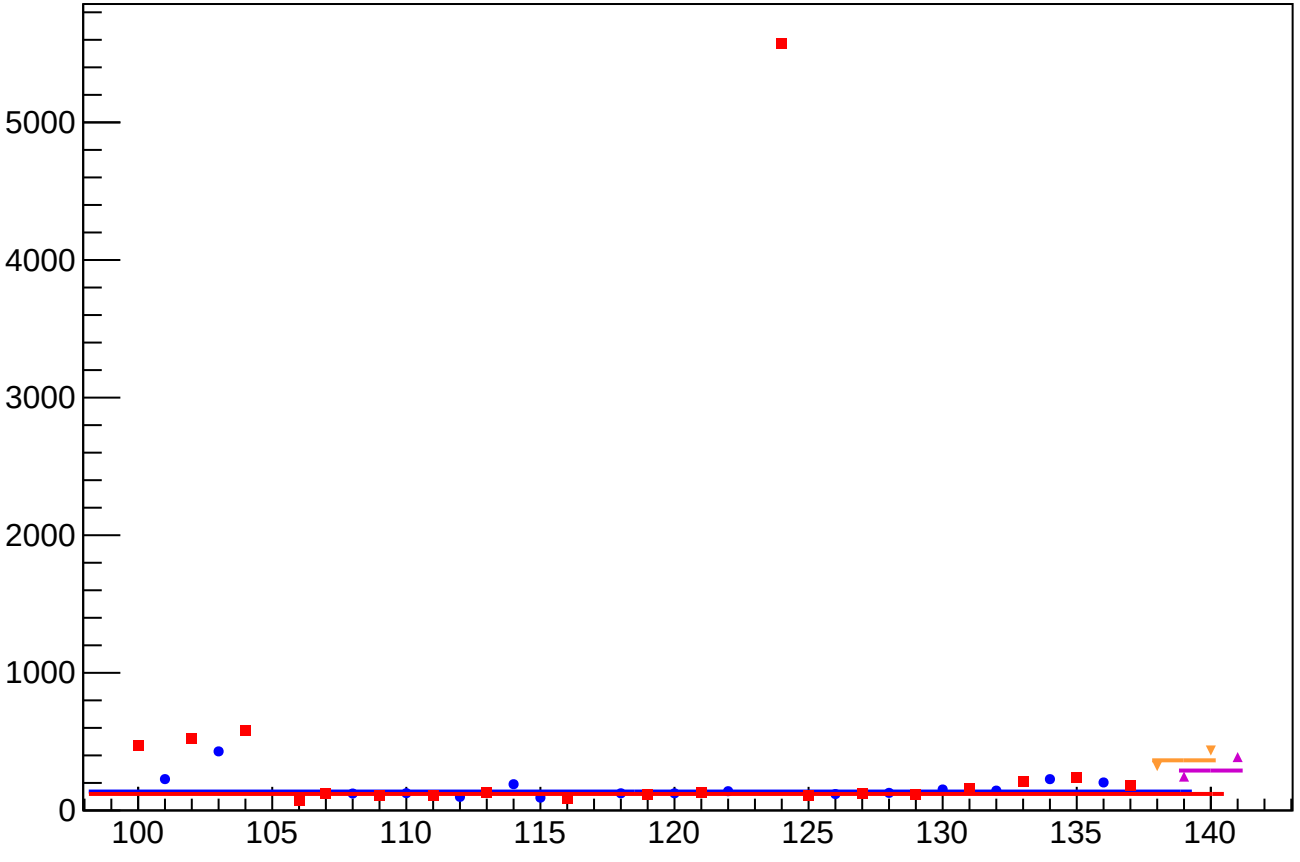
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.052+/-0.054 χ^2/NDF:23.1/17

Out: 0.007+/-0.050 χ^2/NDF:30.6/20

All: -0.020+/-0.037 χ^2/NDF: 54.4/38

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 364.286+/-0.209 χ^2/NDF:68917.7/1

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 289.998+/-0.164 χ^2/NDF:160008.8/1

Left: 318.249+/-0.129 χ^2/NDF: 307075.4/3

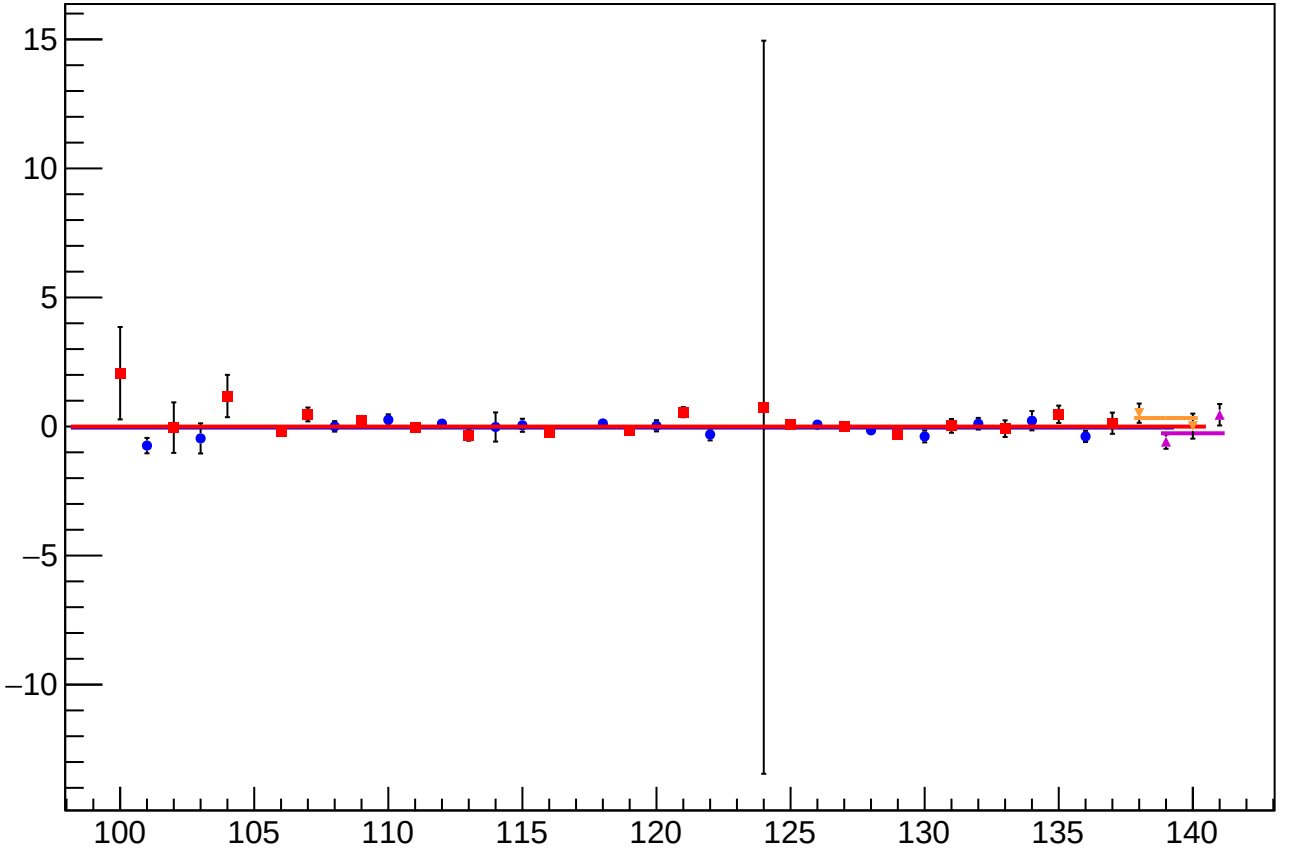
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 145.768+/-0.038 χ^2/NDF:2247784.5/17

Out: 127.036+/-0.035 χ^2/NDF:3533057.3/20

All: 135.671+/-0.026 χ^2/NDF: 5909280.1/38

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.330+/-0.296 χ^2/NDF:0.7/1

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.262+/-0.232 χ^2/NDF:4.3/1

Left: -0.037+/-0.182 χ^2/NDF: 7.5/3

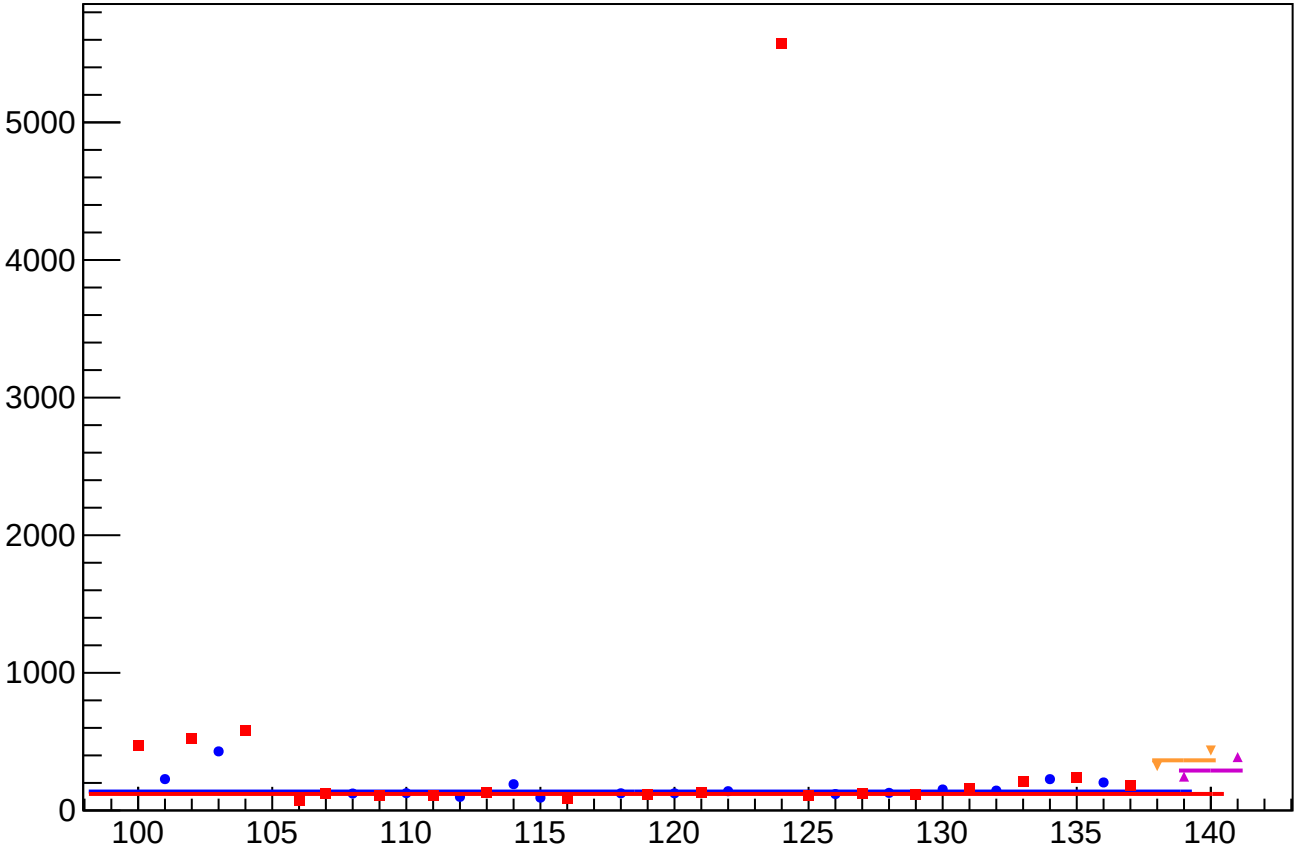
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.052+/-0.054 χ^2/NDF:23.1/17

Out: 0.007+/-0.050 χ^2/NDF:30.6/20

All: -0.020+/-0.037 χ^2/NDF: 54.4/38

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 364.286+/-0.209 χ^2/NDF:68917.7/1

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 289.998+/-0.164 χ^2/NDF:160008.8/1

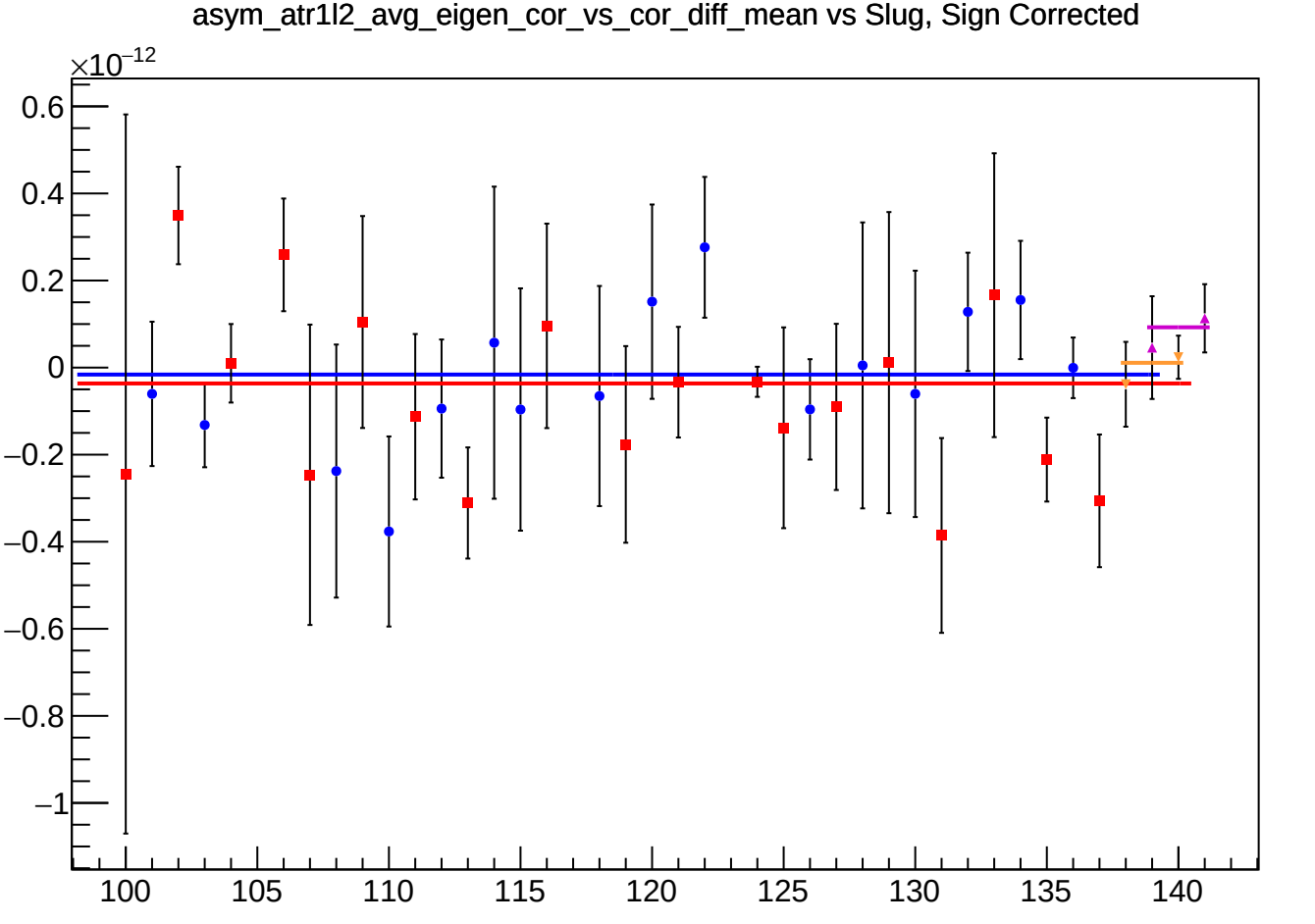
Left: 318.249+/-0.129 χ^2/NDF: 307075.4/3

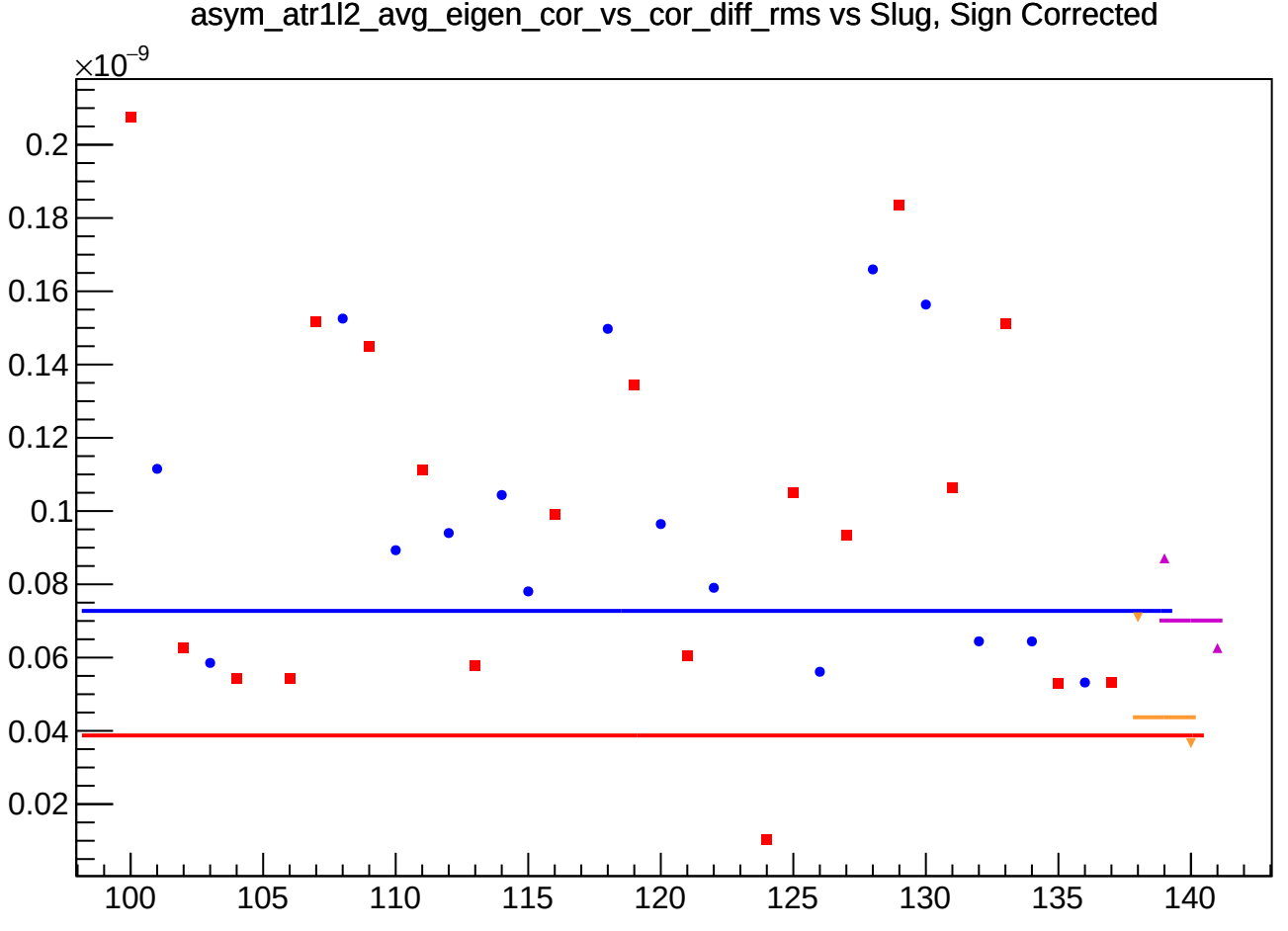
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 145.768+/-0.038 χ^2/NDF:2247784.5/17

Out: 127.036+/-0.035 χ^2/NDF:3533057.3/20

All: 135.671+/-0.026 χ^2/NDF: 5909280.1/38


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/1
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.2/1
Left: 0.000+/-0.000 χ²/NDF: 1.6/3
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: 0.000+/-0.000 χ²/NDF:14.6/17
Out: -0.000+/-0.000 χ²/NDF:34.3/20
All: -0.000+/-0.000 χ²/NDF: 49.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:197306.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:59775.2/1

Left: 0.000+/-0.000 χ^2/NDF: 481464.2/3

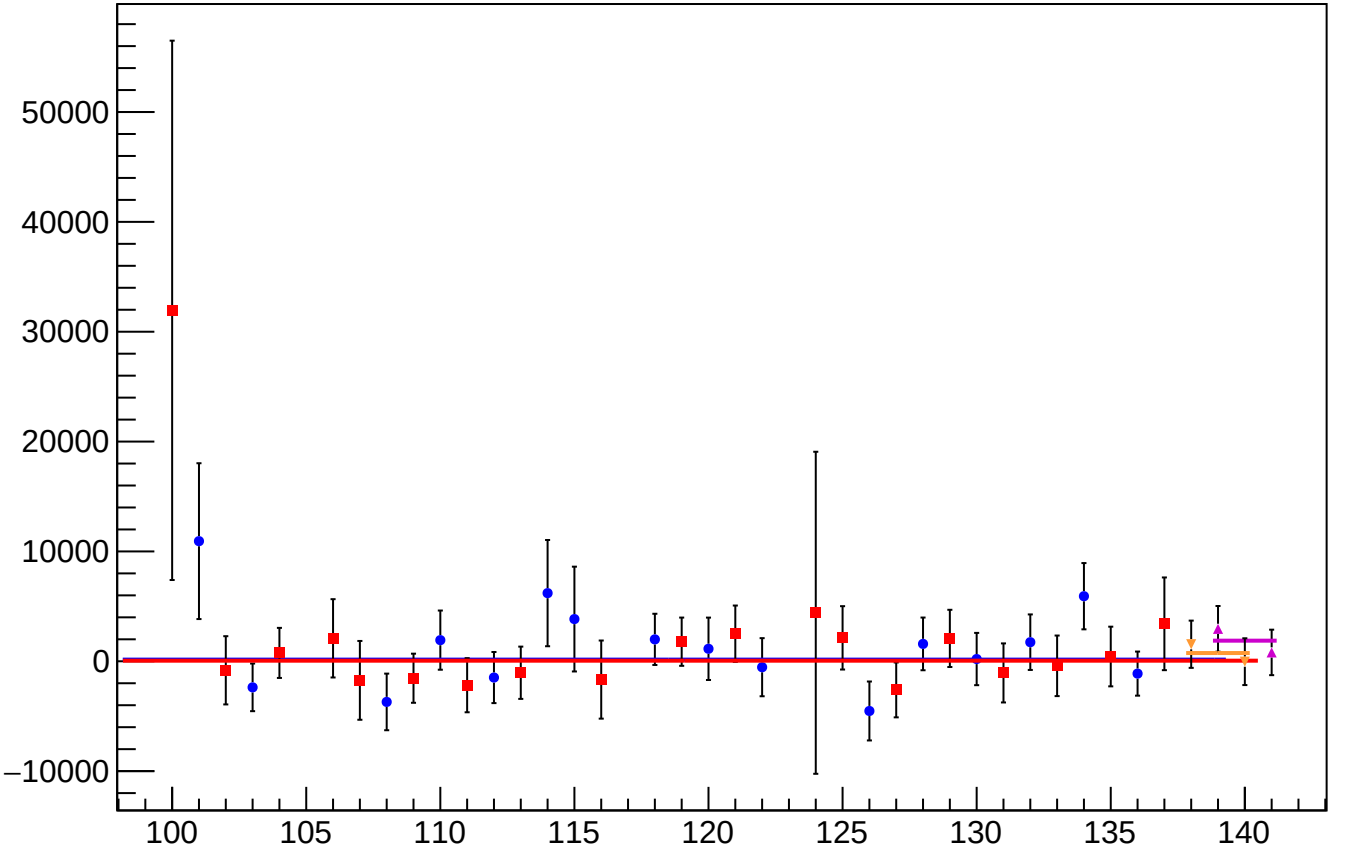
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1190243.0/17

Out: 0.000+/-0.000 χ^2/NDF:4482344.7/20

All: 0.000+/-0.000 χ^2/NDF: 7020343.8/38

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 749.631+/-1512.984 χ^2/NDF:0.3/1

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 1876.008+/-1466.512 χ^2/NDF:0.5/1

Left: 1330.384+/-1053.027 χ^2/NDF: 1.1/3

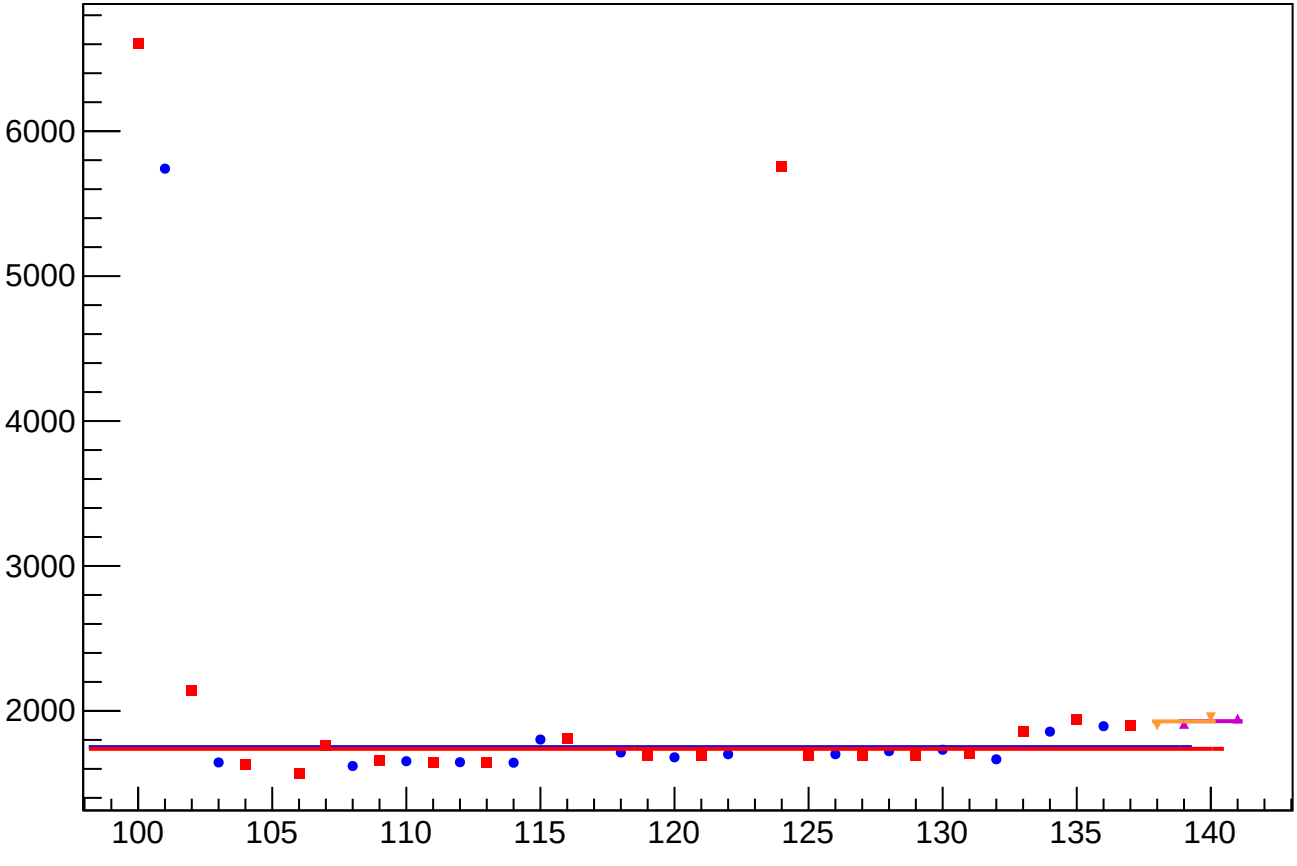
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 446.465+/-607.173 χ^2/NDF:19.3/17

Out: 163.961+/-601.295 χ^2/NDF:9.4/20

All: 303.839+/-427.243 χ^2/NDF: 28.9/38

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1927.695+/-1.070 χ^2/NDF:682.7/1

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1929.351+/-1.037 χ^2/NDF:305.8/1

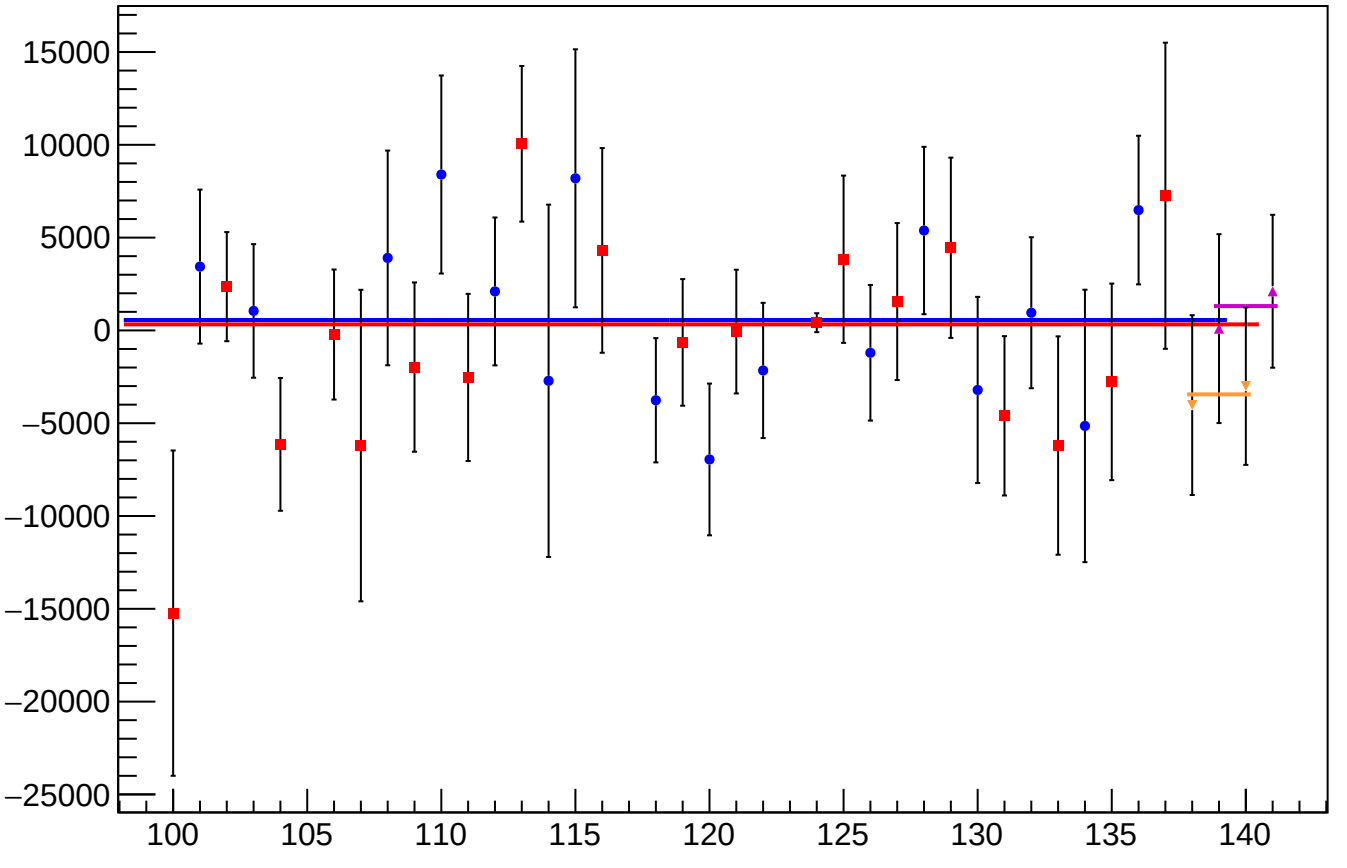
Left: 1928.549+/-0.745 χ^2/NDF: 989.7/3

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1780.631+/-0.429 χ^2/NDF:694704.9/17

Out: 1768.008+/-0.423 χ^2/NDF:331573.0/20

All: 1774.219+/-0.301 χ^2/NDF: 1026717.0/38



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: -3445.864+/-3191.395 χ^2/NDF:0.0/1

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: 1312.417+/-3201.238 χ^2/NDF:0.1/1

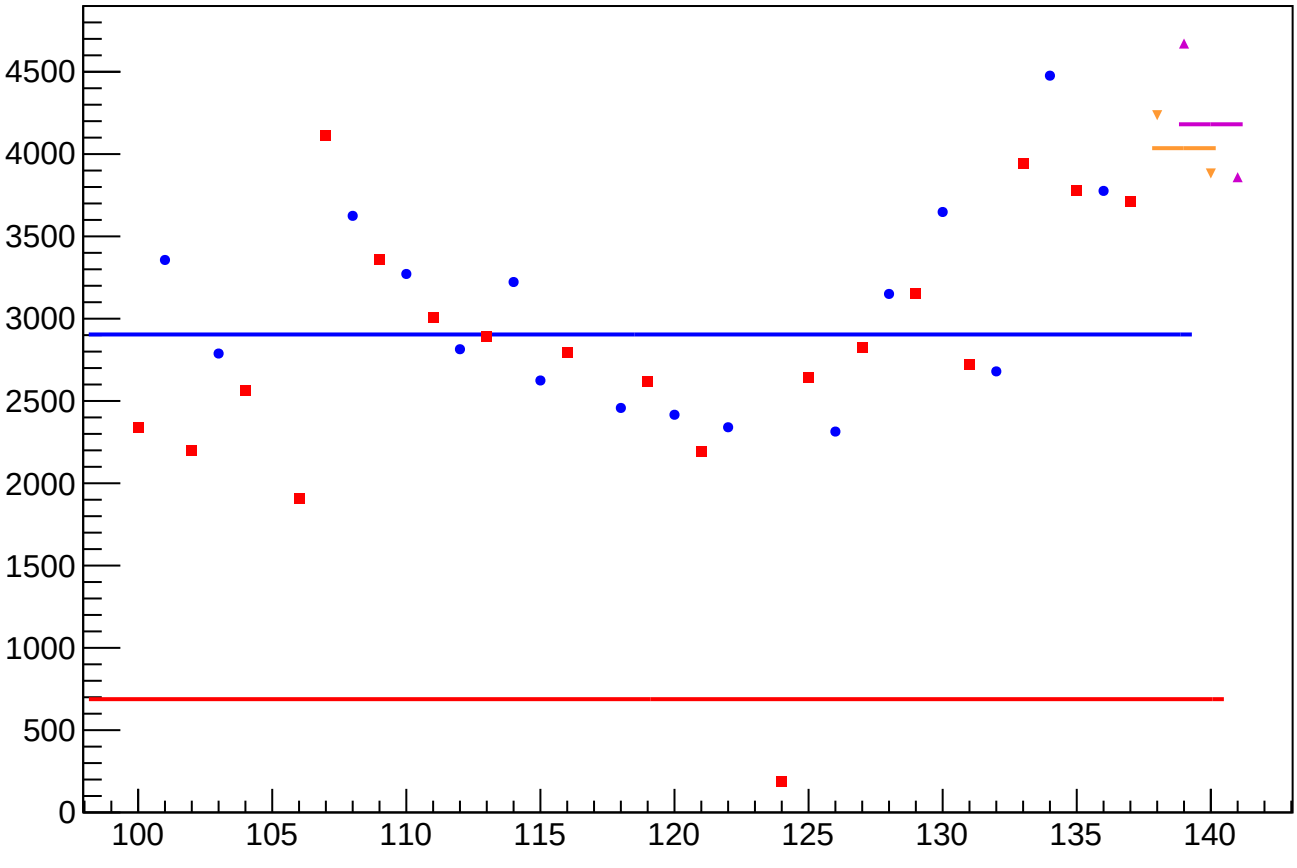
Left: -1074.050+/-2260.129 χ^2/NDF: 1.2/3

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 641.700+/-1041.281 χ^2/NDF:15.0/17

Out: 249.477+/-453.305 χ^2/NDF:20.6/20

All: 311.967+/-415.629 χ^2/NDF: 35.7/38



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 4035.912+/-2.257 χ^2/NDF:6042.7/1

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4181.070+/-2.264 χ^2/NDF:30778.4/1

Left: 4108.268+/-1.598 χ^2/NDF: 38883.6/3

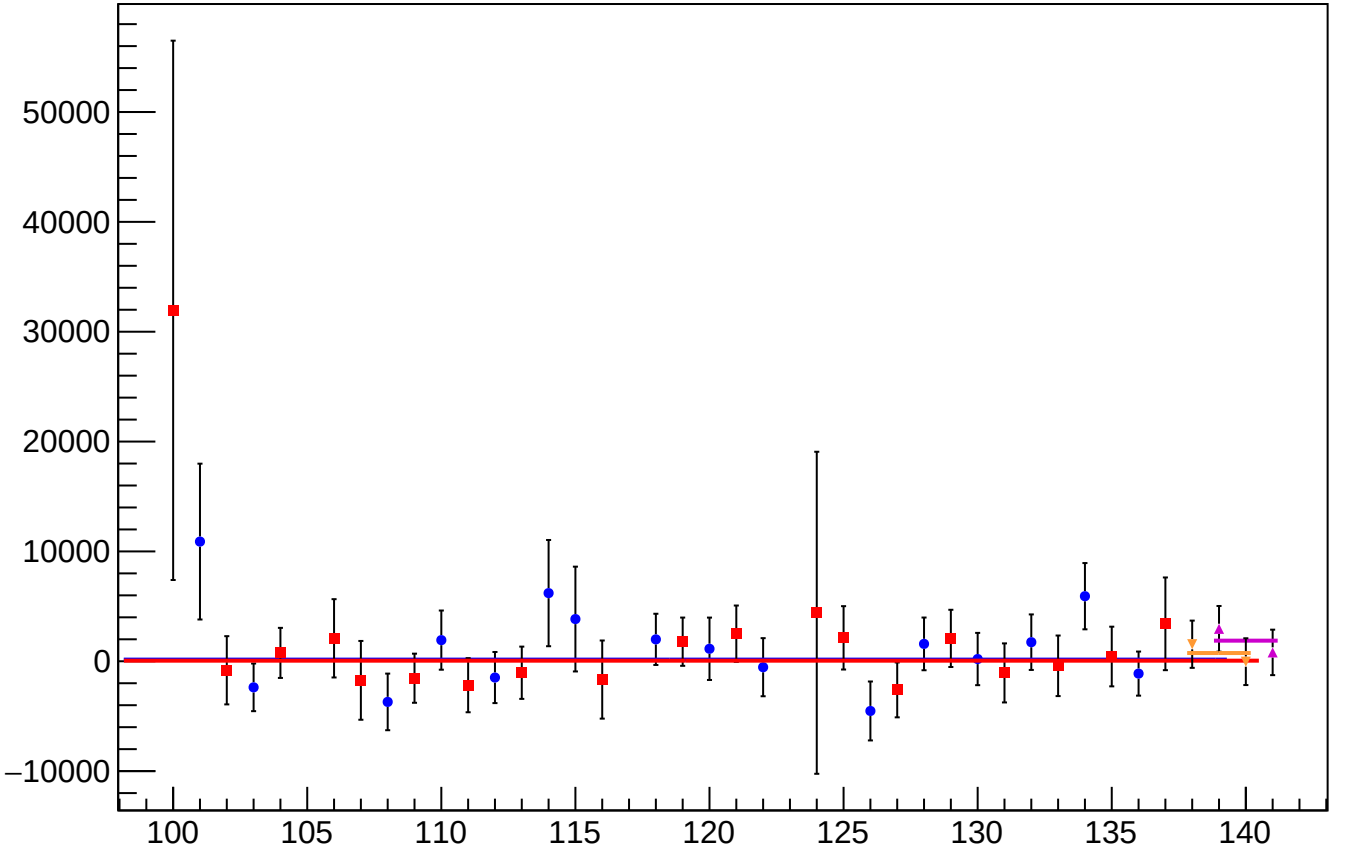
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3039.172+/-0.736 χ^2/NDF:795140.5/17

Out: 755.858+/-0.321 χ^2/NDF:12311124.2/20

All: 1119.639+/-0.294 χ^2/NDF: 21190801.6/3

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 749.517+/-1512.984 χ^2/NDF:0.3/1

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 1876.340+/-1466.512 χ^2/NDF:0.5/1

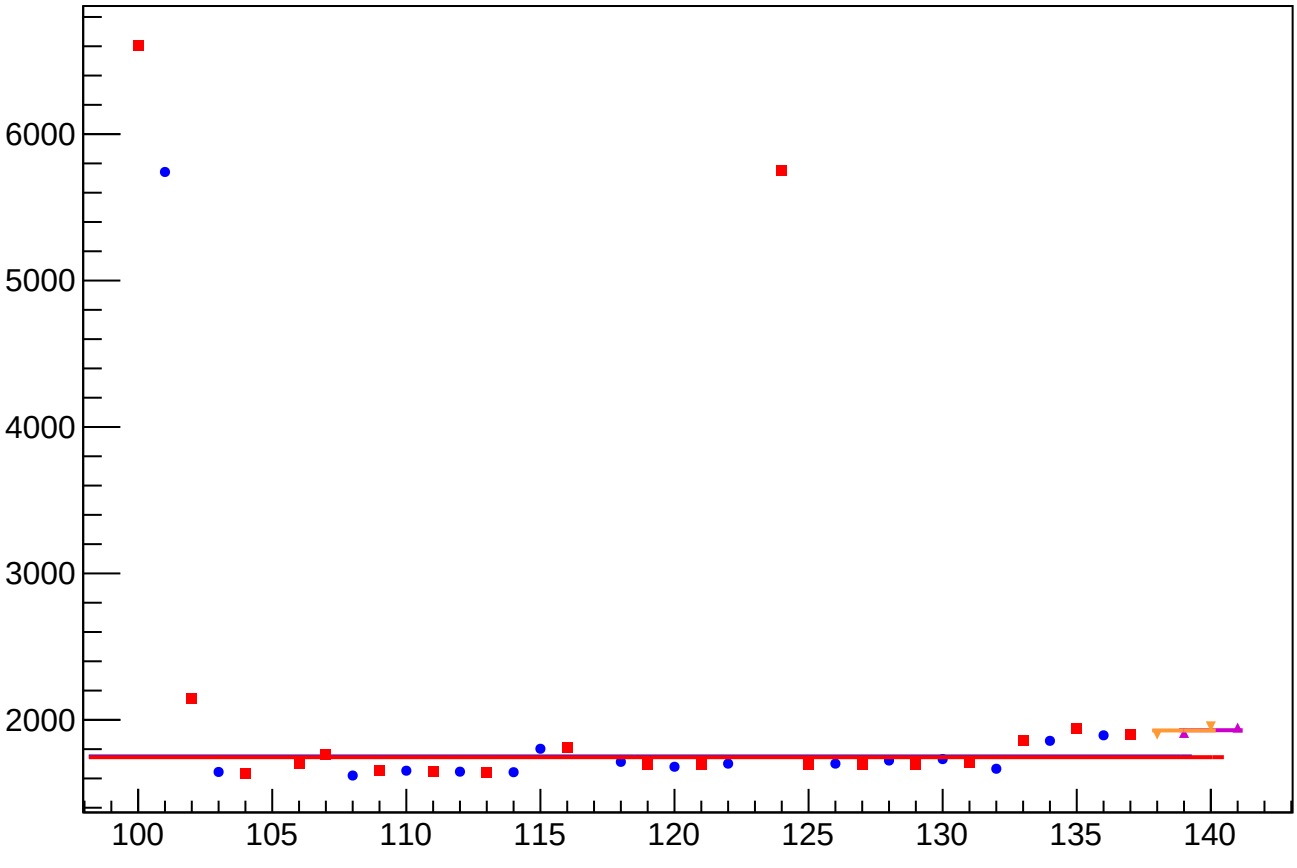
Left: 1330.500+/-1053.027 χ^2/NDF: 1.1/3

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 446.134+/-607.173 χ^2/NDF:19.3/17

Out: 163.986+/-601.295 χ^2/NDF:9.4/20

All: 303.688+/-427.243 χ^2/NDF: 28.8/38



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1927.695+/-1.070 χ^2/NDF:682.7/1

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1929.351+/-1.037 χ^2/NDF:305.8/1

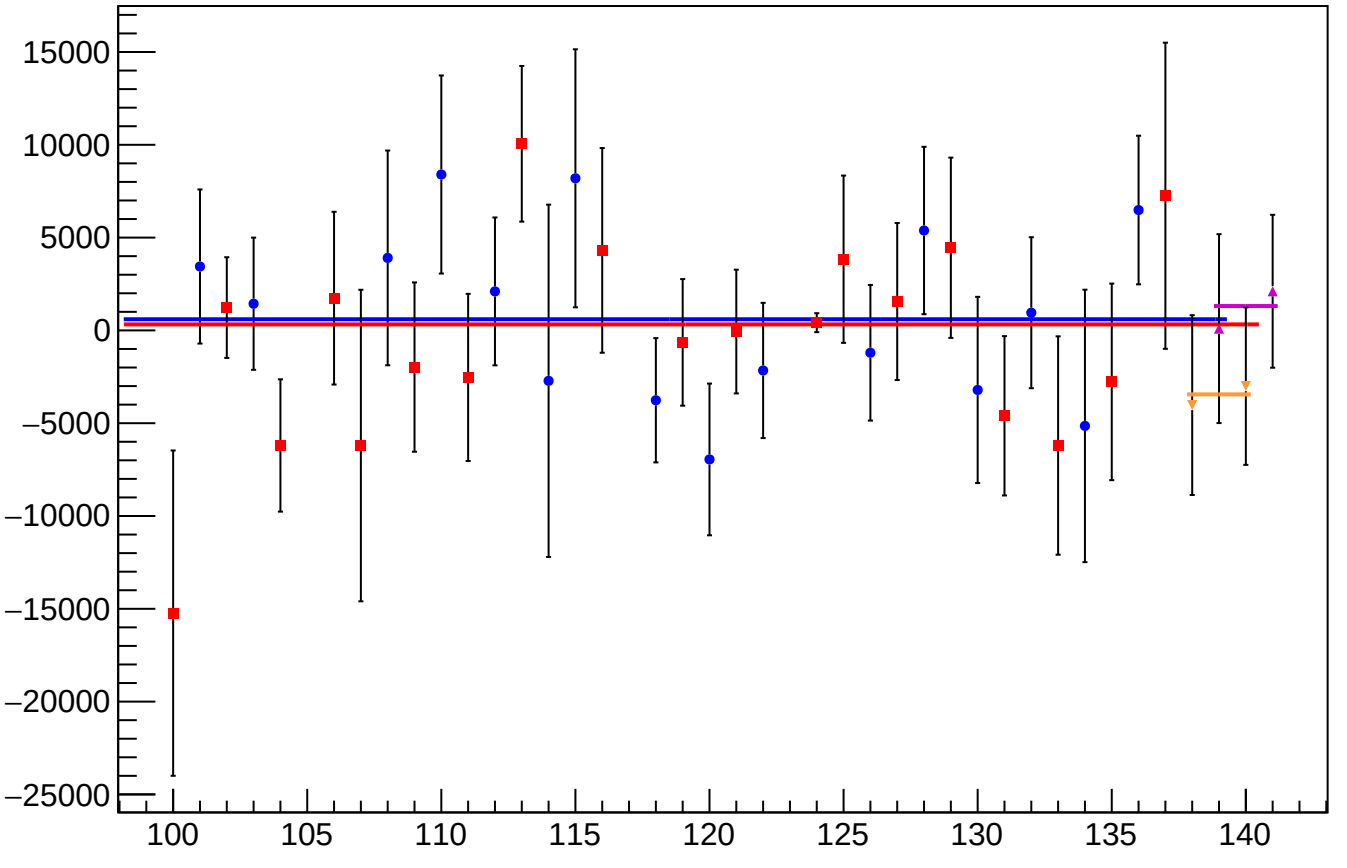
Left: 1928.549+/-0.745 χ^2/NDF: 989.7/3

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1780.631+/-0.429 χ^2/NDF:694705.2/17

Out: 1773.833+/-0.424 χ^2/NDF:323195.8/20

All: 1777.188+/-0.302 χ^2/NDF: 1018028.0/38



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: -3446.136+/-3191.397 χ^2/NDF:0.0/1

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 1312.259+/-3201.229 χ^2/NDF:0.1/1

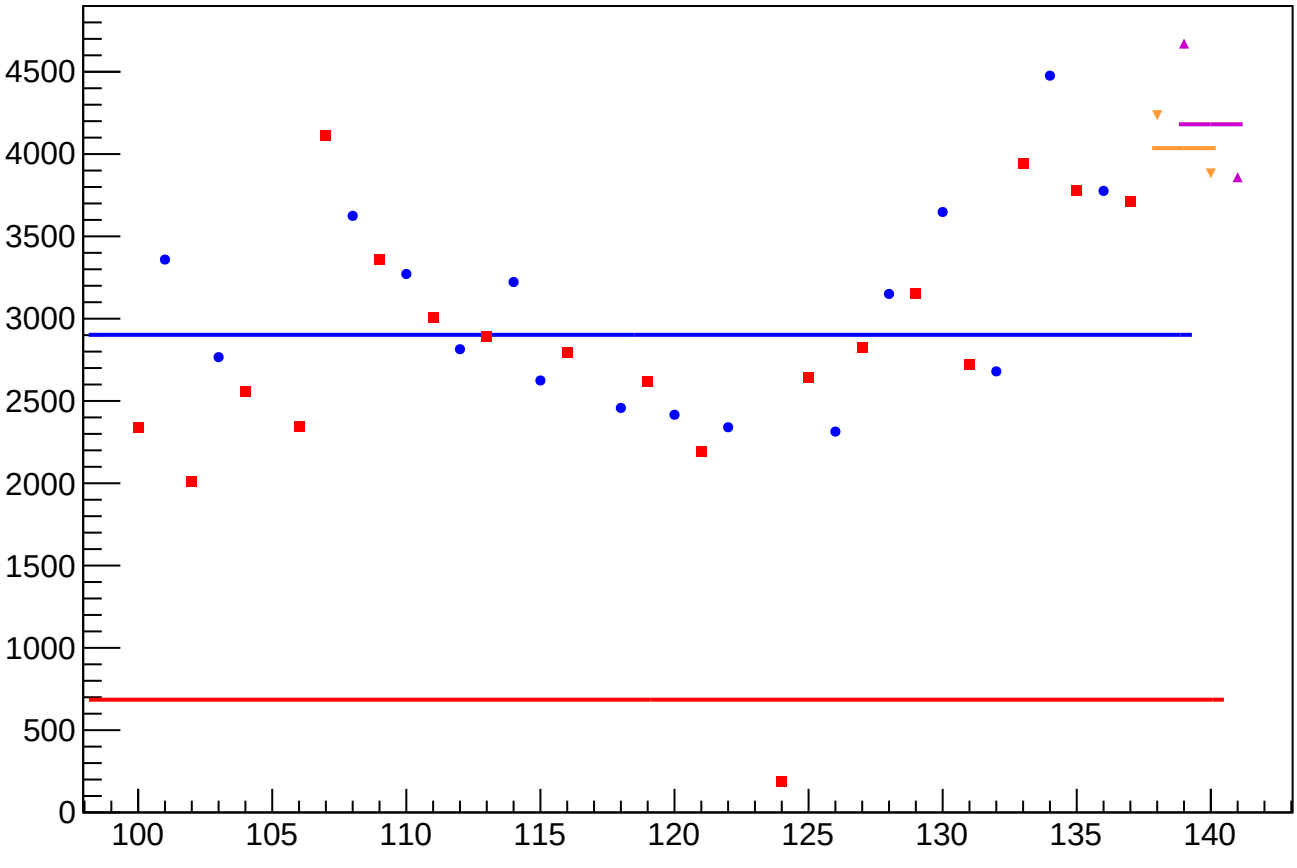
Left: -1074.257+/-2260.127 χ^2/NDF: 1.2/3

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 675.413+/-1040.403 χ^2/NDF:15.0/17

Out: 246.819+/-454.192 χ^2/NDF:20.4/20

All: 315.425+/-416.256 χ^2/NDF: 35.5/38



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 4035.916+/-2.257 χ^2/NDF:6043.1/1

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4181.060+/-2.264 χ^2/NDF:30777.5/1

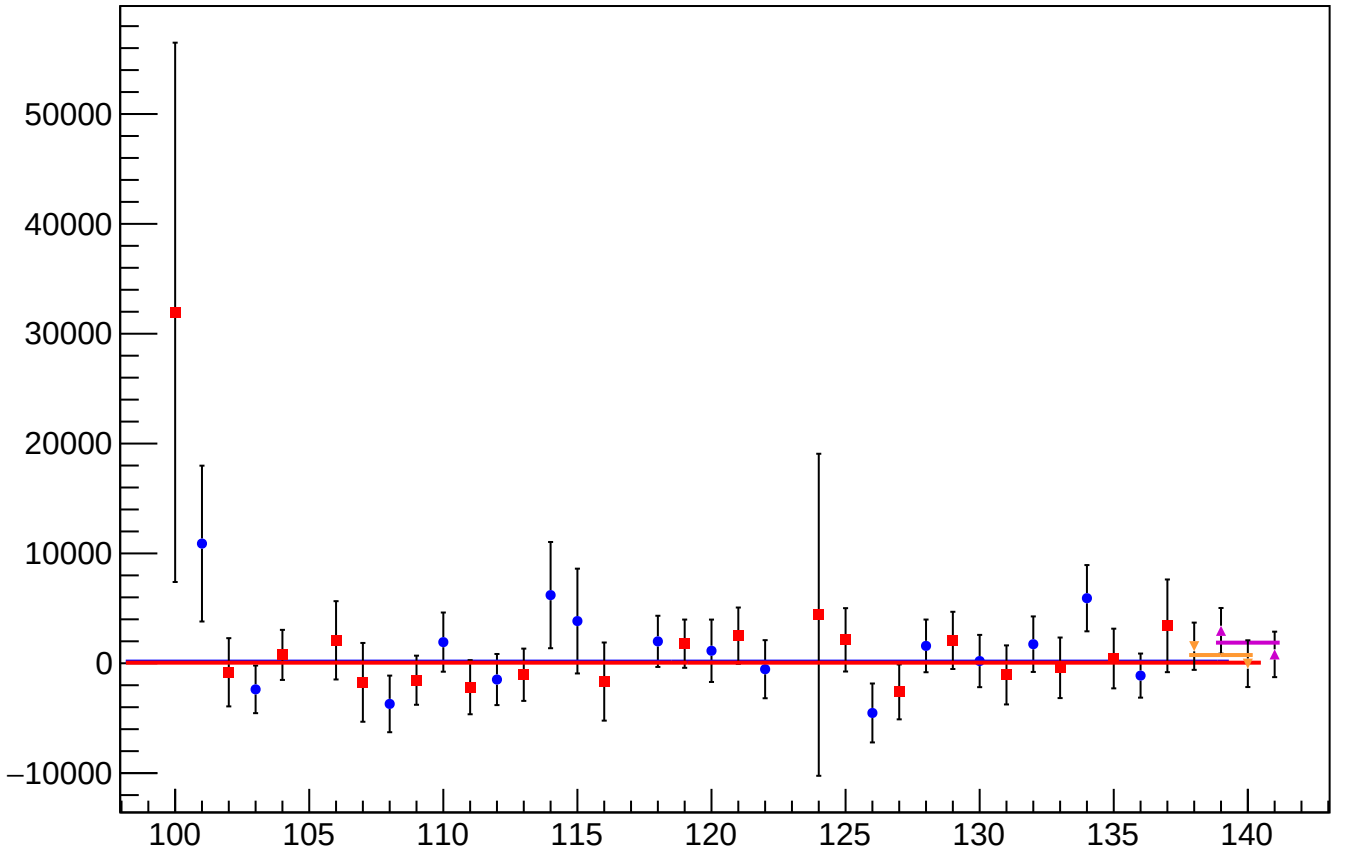
Left: 4108.264+/-1.598 χ^2/NDF: 38882.6/3

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3036.978+/-0.736 χ^2/NDF:797333.6/17

Out: 753.122+/-0.321 χ^2/NDF:12271782.9/20

All: 1118.704+/-0.294 χ^2/NDF: 21163905.7/3



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 749.517+/-1512.984 χ^2/NDF:0.3/1

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 1876.340+/-1466.512 χ^2/NDF:0.5/1

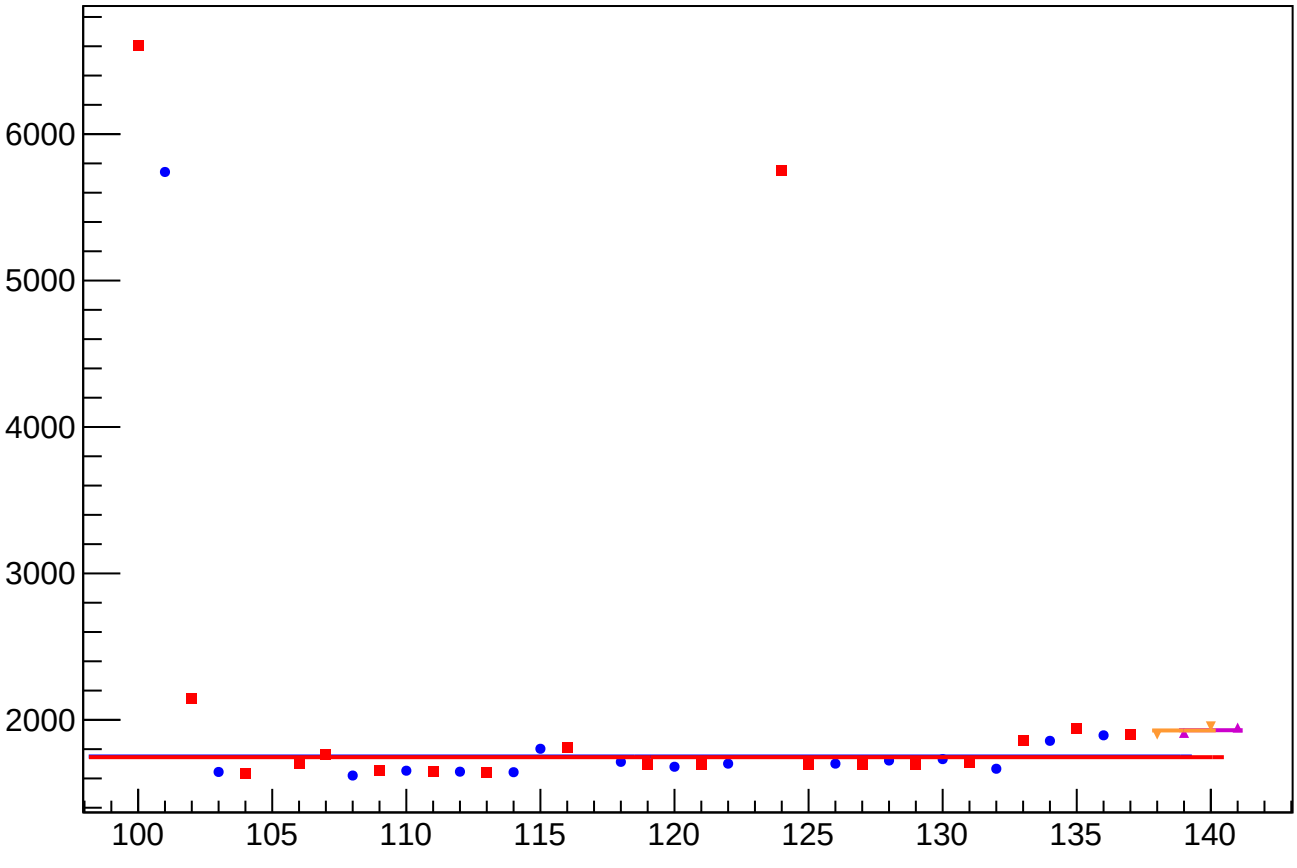
Left: 1330.500+/-1053.027 χ^2/NDF: 1.1/3

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 446.134+/-607.173 χ^2/NDF:19.3/17

Out: 163.986+/-601.295 χ^2/NDF:9.4/20

All: 303.688+/-427.243 χ^2/NDF: 28.8/38



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1927.695+/-1.070 χ^2/NDF:682.7/1

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1929.351+/-1.037 χ^2/NDF:305.8/1

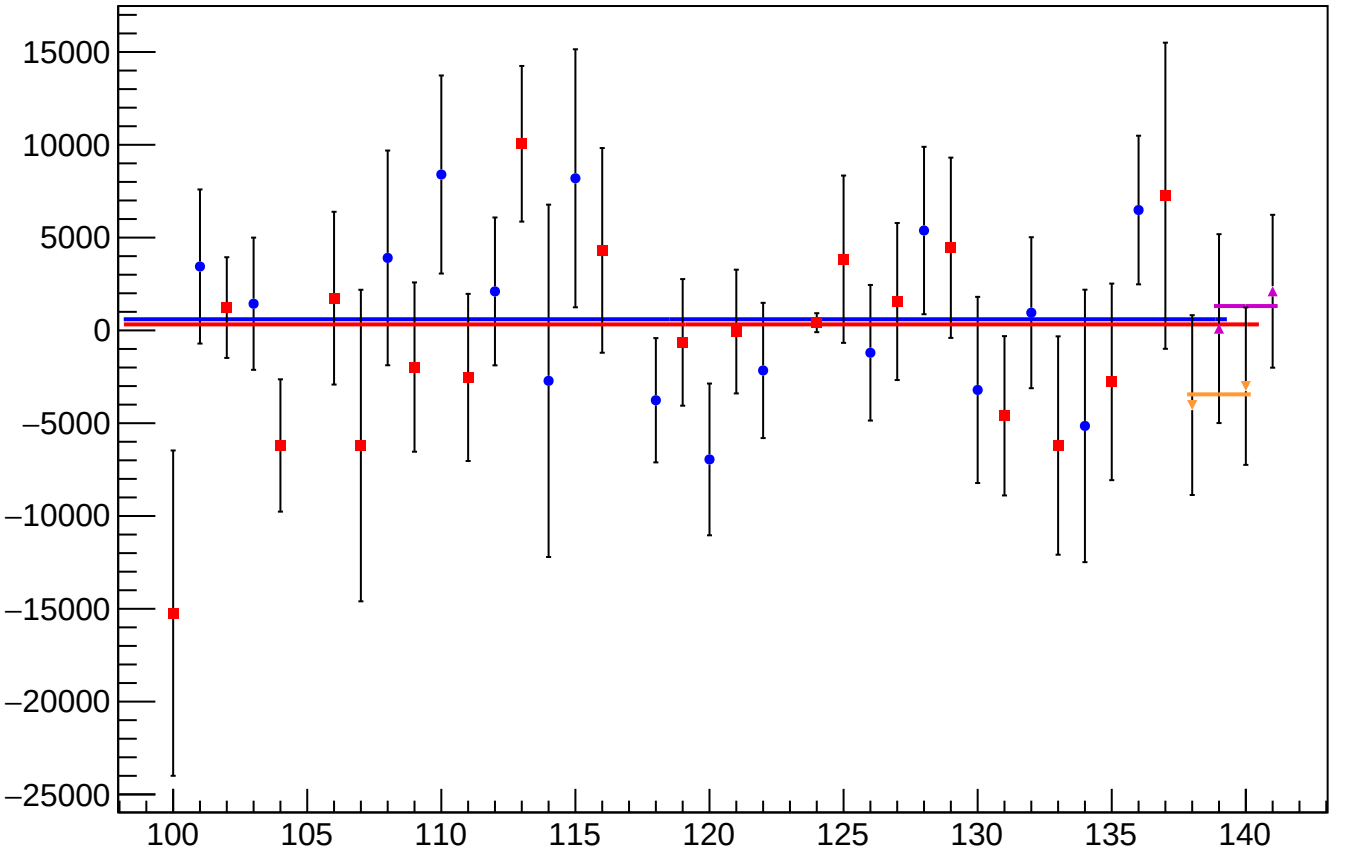
Left: 1928.549+/-0.745 χ^2/NDF: 989.7/3

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1780.631+/-0.429 χ^2/NDF:694705.2/17

Out: 1773.833+/-0.424 χ^2/NDF:323195.8/20

All: 1777.188+/-0.302 χ^2/NDF: 1018028.0/38



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: -3446.136+/-3191.397 χ^2/NDF:0.0/1

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 1312.259+/-3201.229 χ^2/NDF:0.1/1

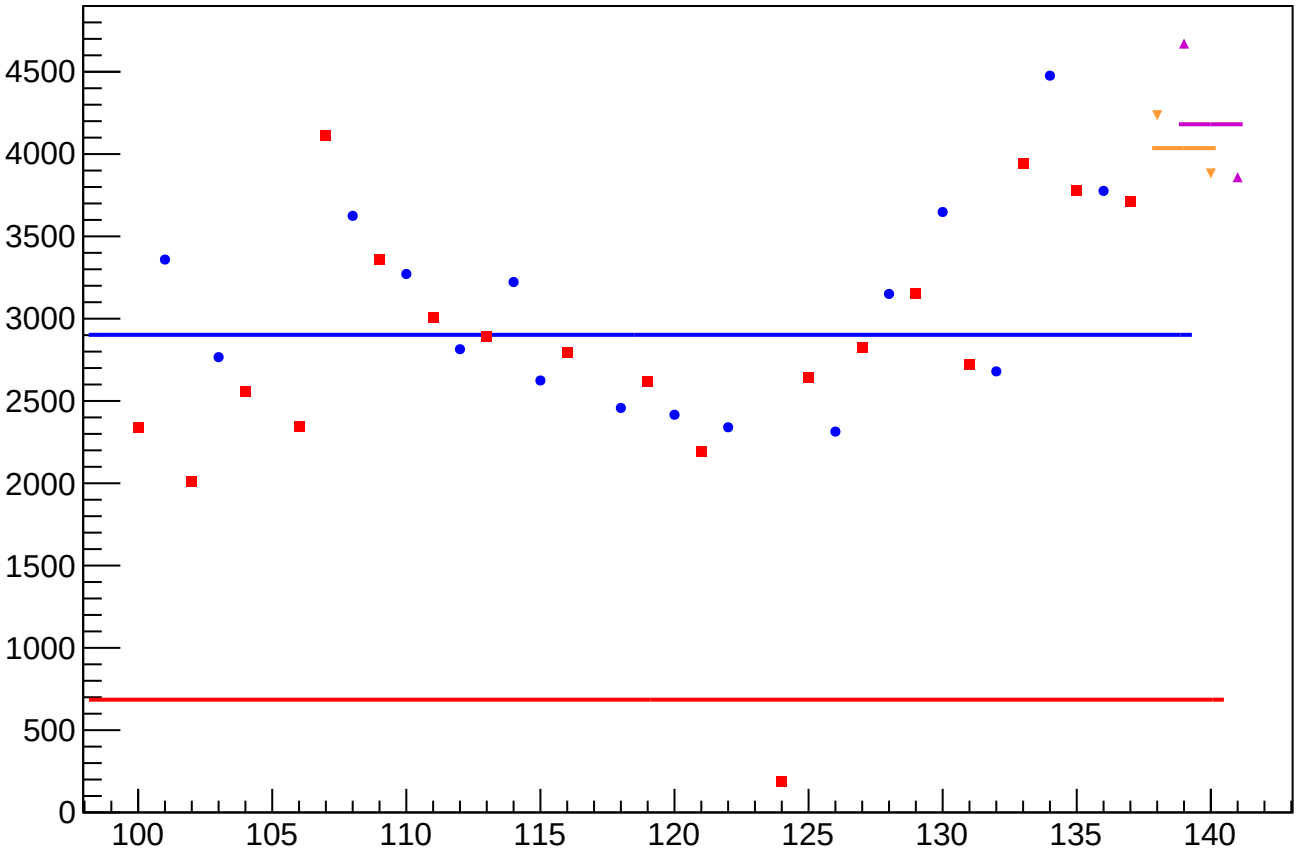
Left: -1074.257+/-2260.127 χ^2/NDF: 1.2/3

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 675.413+/-1040.403 χ^2/NDF:15.0/17

Out: 246.819+/-454.192 χ^2/NDF:20.4/20

All: 315.425+/-416.256 χ^2/NDF: 35.5/38



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 4035.916+/-2.257 χ^2/NDF:6043.1/1

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4181.060+/-2.264 χ^2/NDF:30777.5/1

Left: 4108.264+/-1.598 χ^2/NDF: 38882.6/3

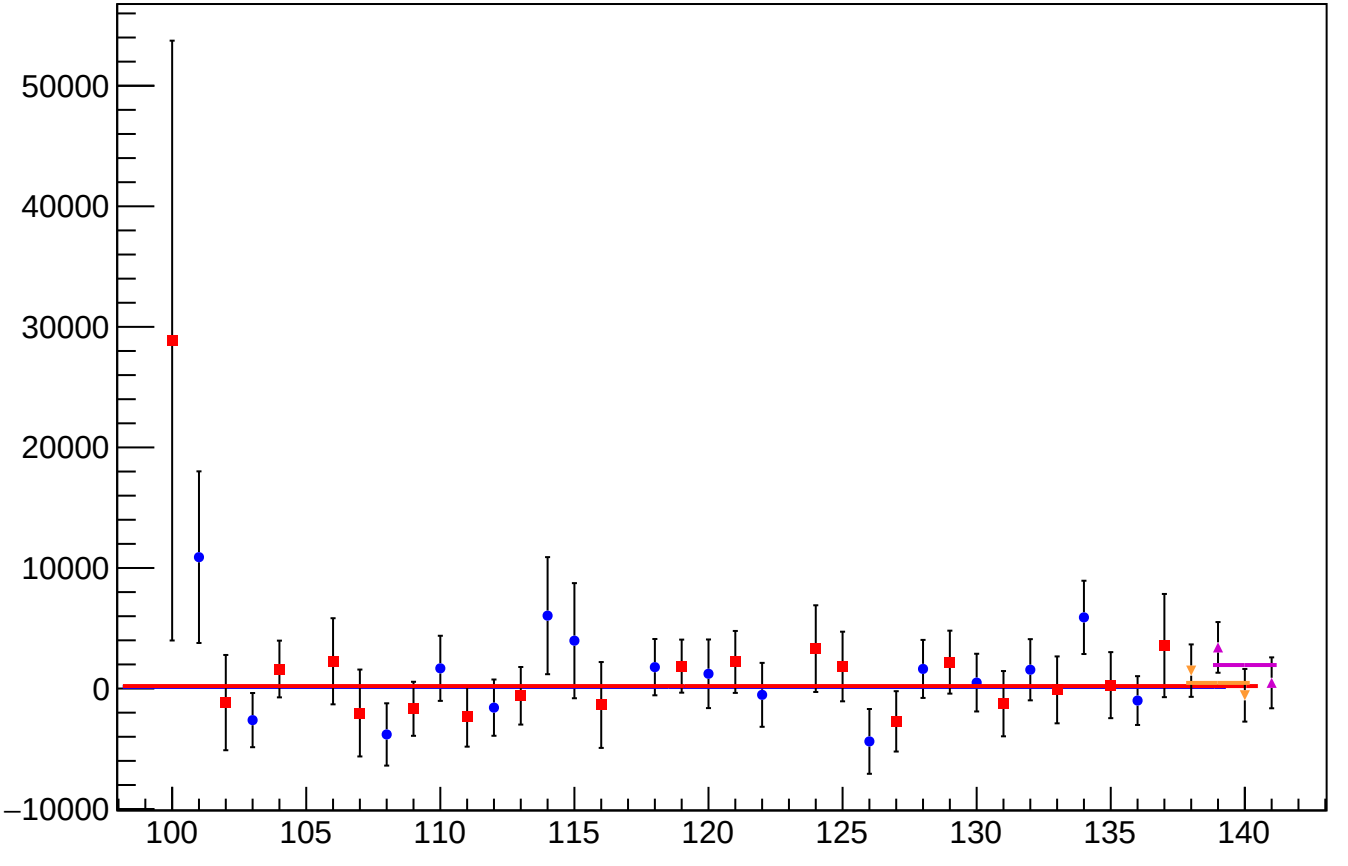
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3036.978+/-0.736 χ^2/NDF:797333.6/17

Out: 753.122+/-0.321 χ^2/NDF:12271782.9/20

All: 1118.704+/-0.294 χ^2/NDF: 21163905.7/3

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 468.280+/-1541.176 χ^2/NDF:0.4/1

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 1950.617+/-1489.776 χ^2/NDF:1.0/1

Left: 1234.579+/-1071.141 χ^2/NDF: 1.9/3

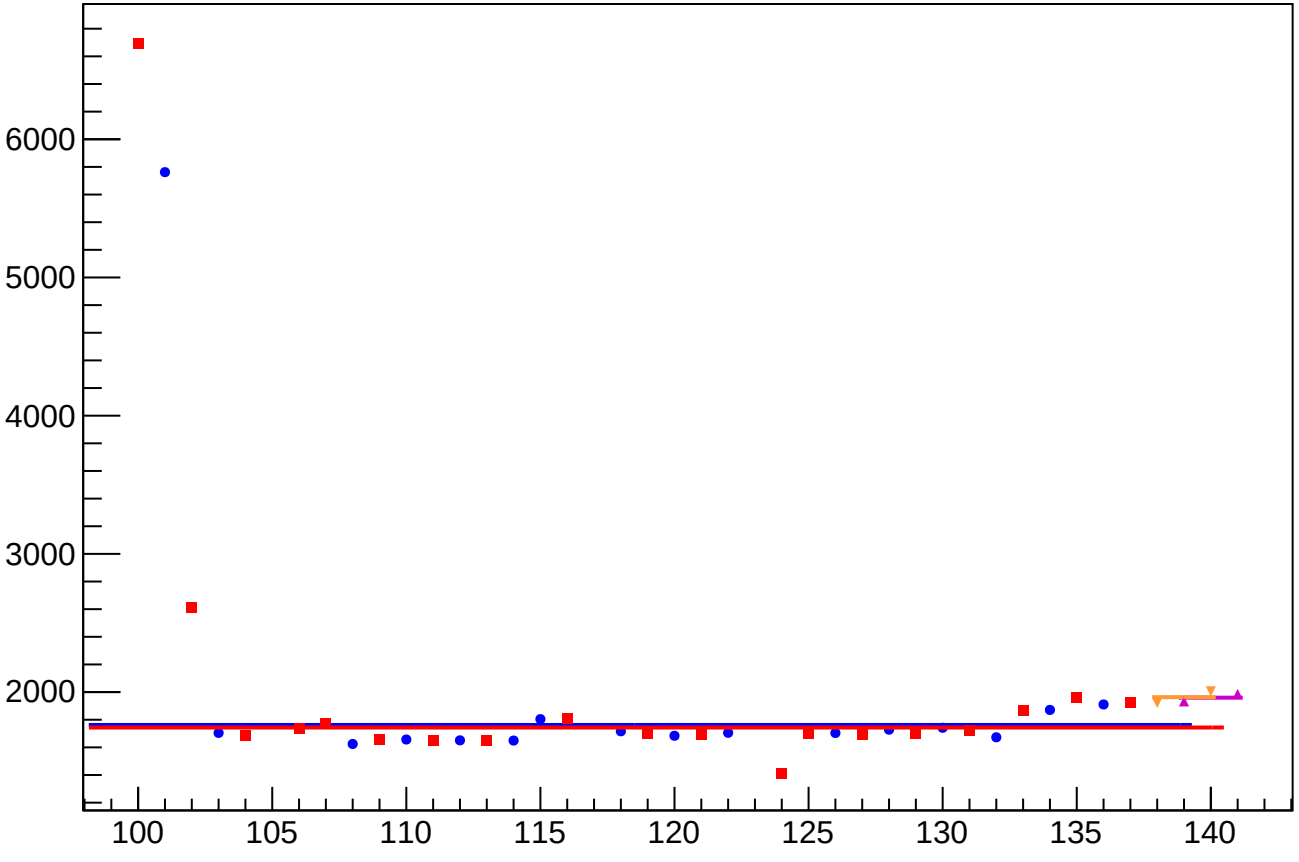
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 440.709+/-612.277 χ^2/NDF:19.5/17

Out: 245.581+/-602.384 χ^2/NDF:10.2/20

All: 341.556+/-429.405 χ^2/NDF: 29.7/38

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1963.217+/-1.090 χ^2/NDF:1504.0/1

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1959.595+/-1.053 χ^2/NDF:653.0/1

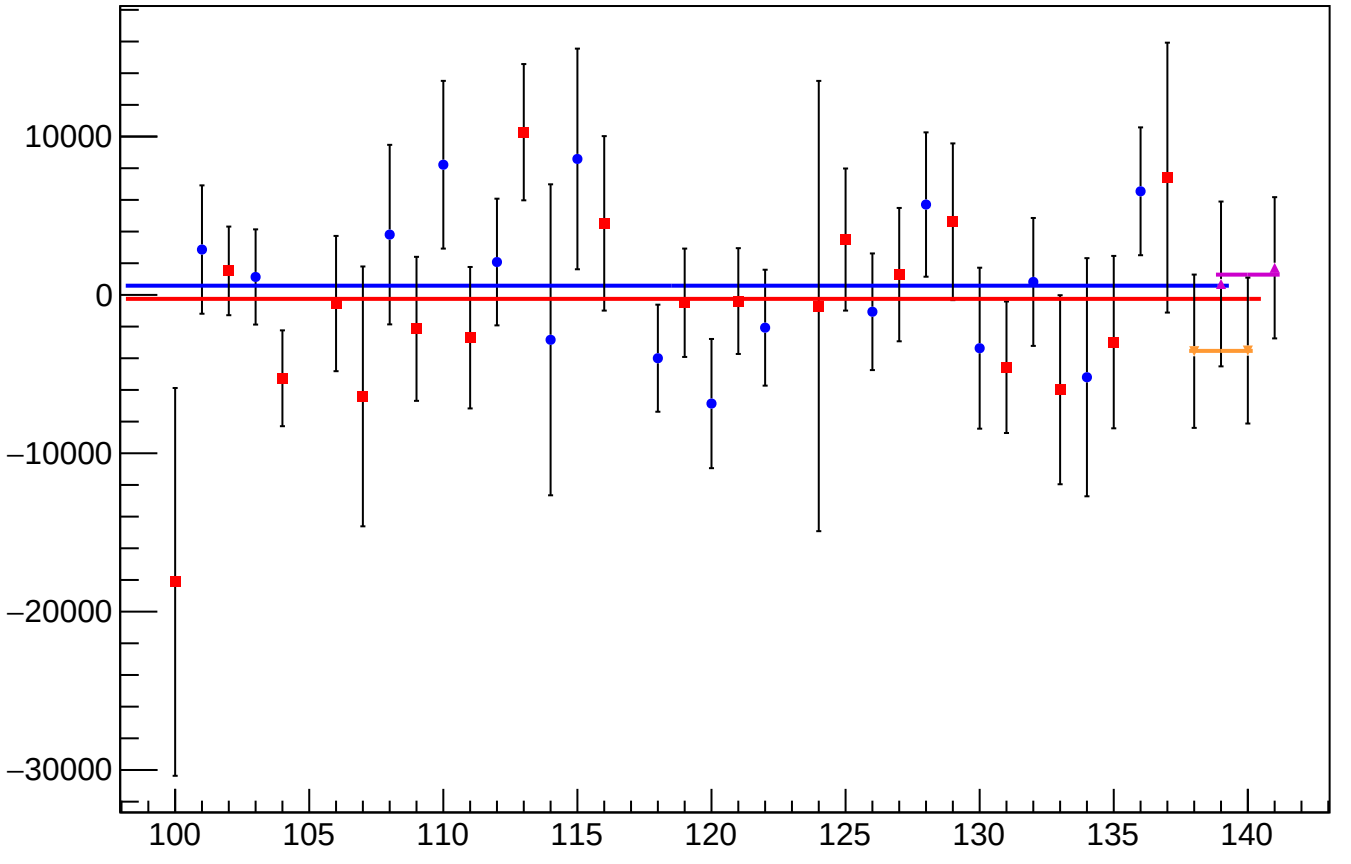
Left: 1961.345+/-0.757 χ^2/NDF: 2162.7/3

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1795.419+/-0.433 χ^2/NDF:697575.1/17

Out: 1777.092+/-0.425 χ^2/NDF:263665.5/20

All: 1786.084+/-0.303 χ^2/NDF: 962153.3/38



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -3534.904+/-3336.886 χ^2/NDF:0.0/1

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: 1280.575+/-3386.370 χ^2/NDF:0.0/1

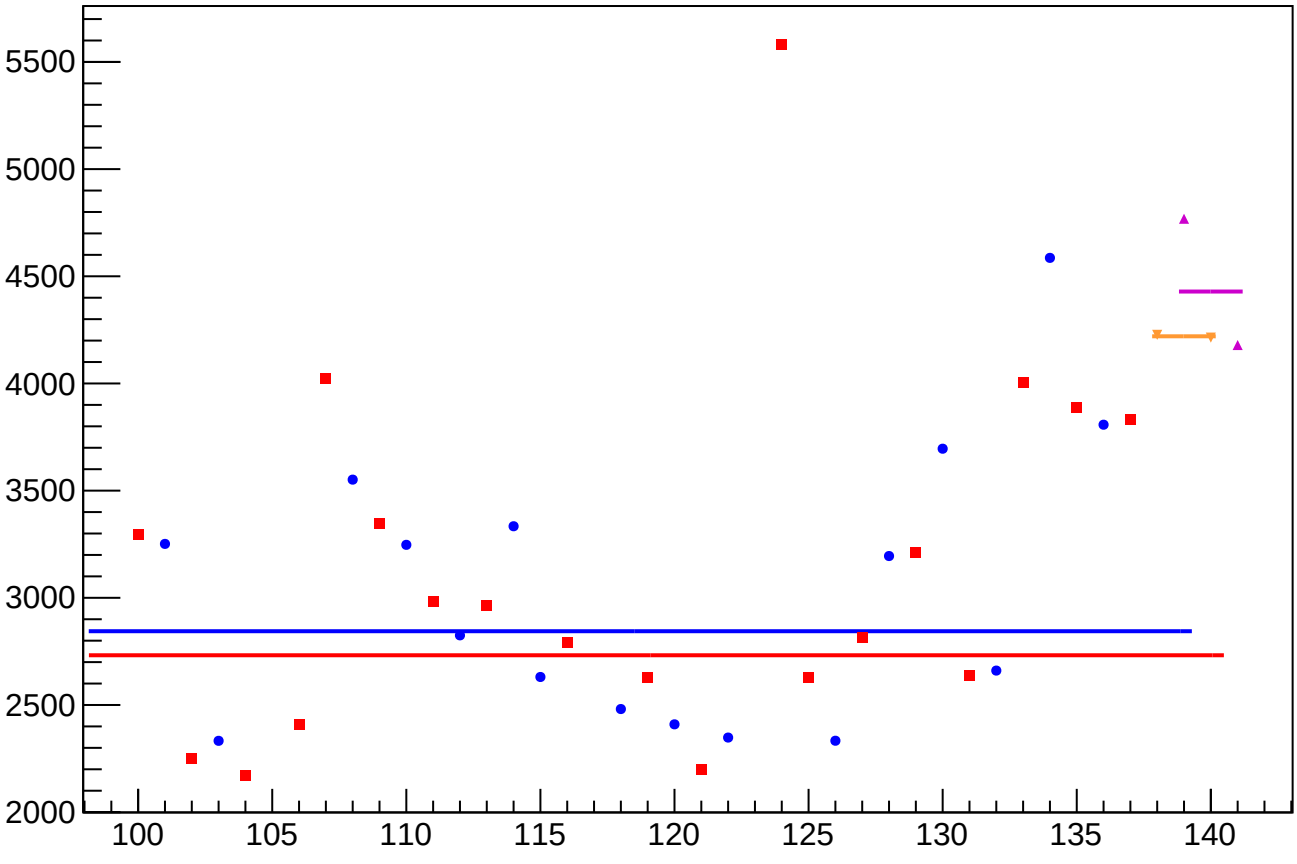
Left: -1162.606+/-2376.837 χ^2/NDF: 1.0/3

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 646.858+/-1030.219 χ^2/NDF:14.9/17

Out: -531.418+/-976.332 χ^2/NDF:18.8/20

All: 26.099+/-708.656 χ^2/NDF: 34.4/38



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4220.039+/-2.360 χ^2/NDF:7.5/1

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4428.854+/-2.395 χ^2/NDF:14778.2/1

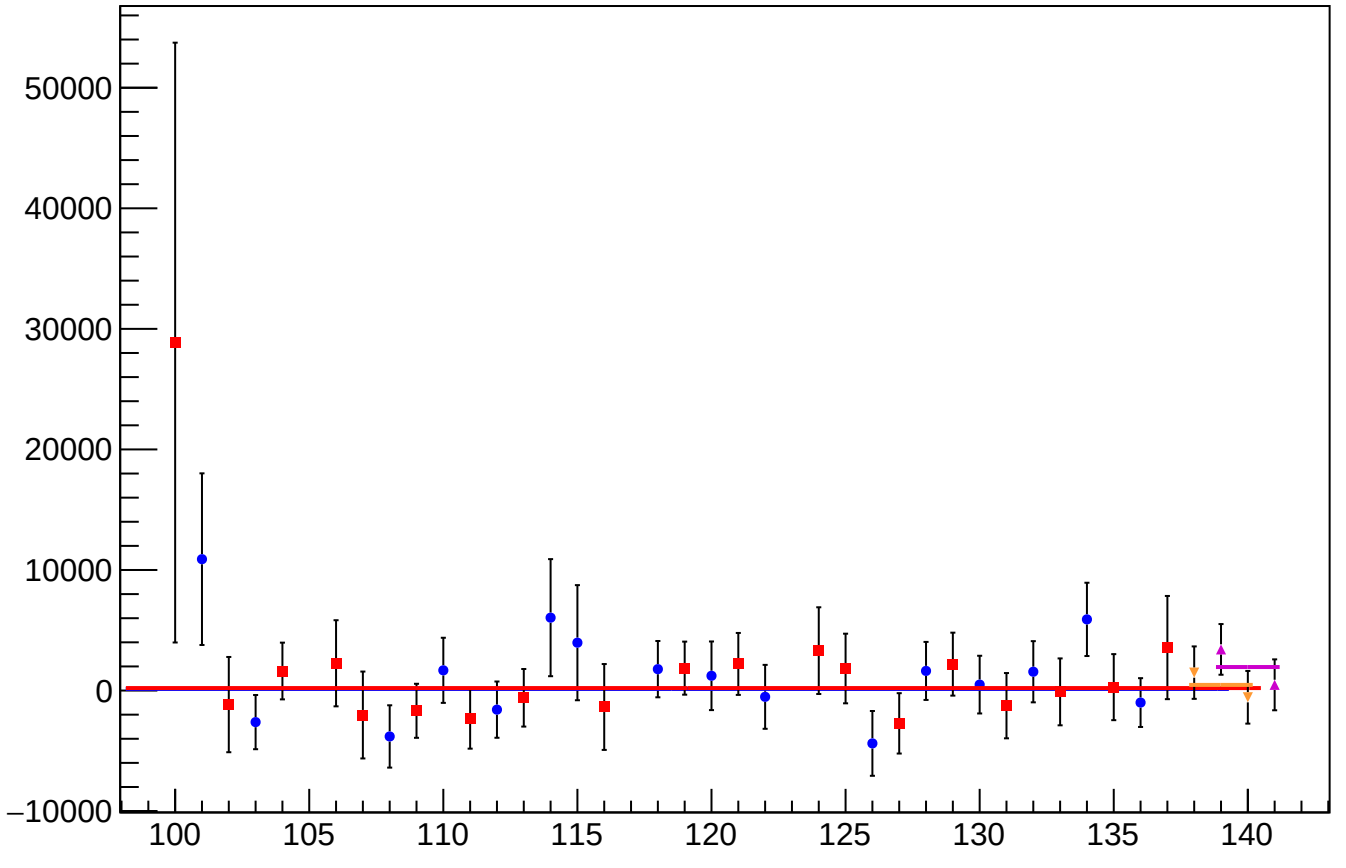
Left: 4322.910+/-1.681 χ^2/NDF: 18644.0/3

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 2990.821+/-0.728 χ^2/NDF:954256.1/17

Out: 2859.367+/-0.690 χ^2/NDF:974964.6/20

All: 2921.566+/-0.501 χ^2/NDF: 1946376.0/38



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 468.270+/-1541.176 χ^2/NDF:0.4/1

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 1950.616+/-1489.777 χ^2/NDF:1.0/1

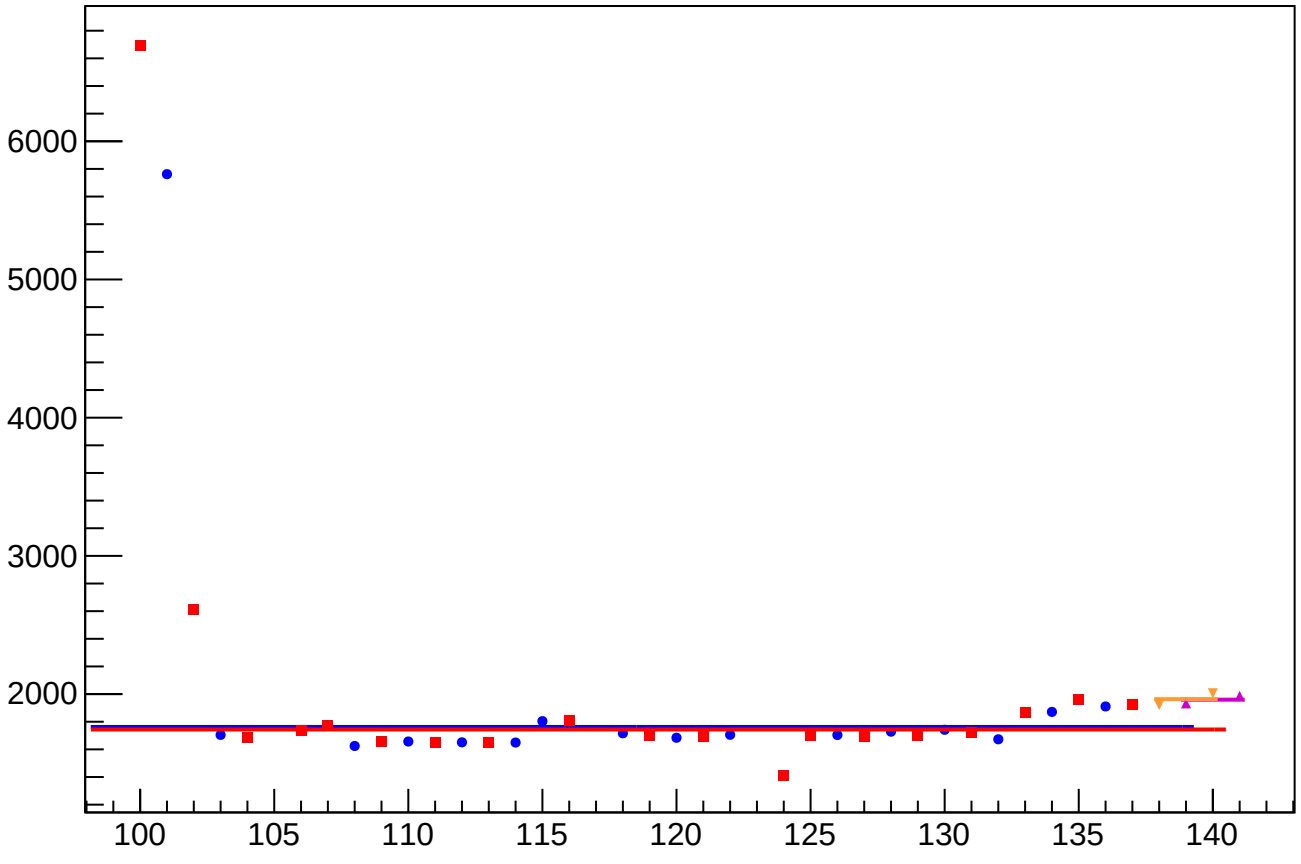
Left: 1234.573+/-1071.141 χ^2/NDF: 1.9/3

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 440.708+/-612.277 χ^2/NDF:19.5/17

Out: 245.578+/-602.384 χ^2/NDF:10.2/20

All: 341.554+/-429.405 χ^2/NDF: 29.7/38



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1963.218+/-1.090 χ^2/NDF:1504.0/1

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1959.596+/-1.053 χ^2/NDF:653.0/1

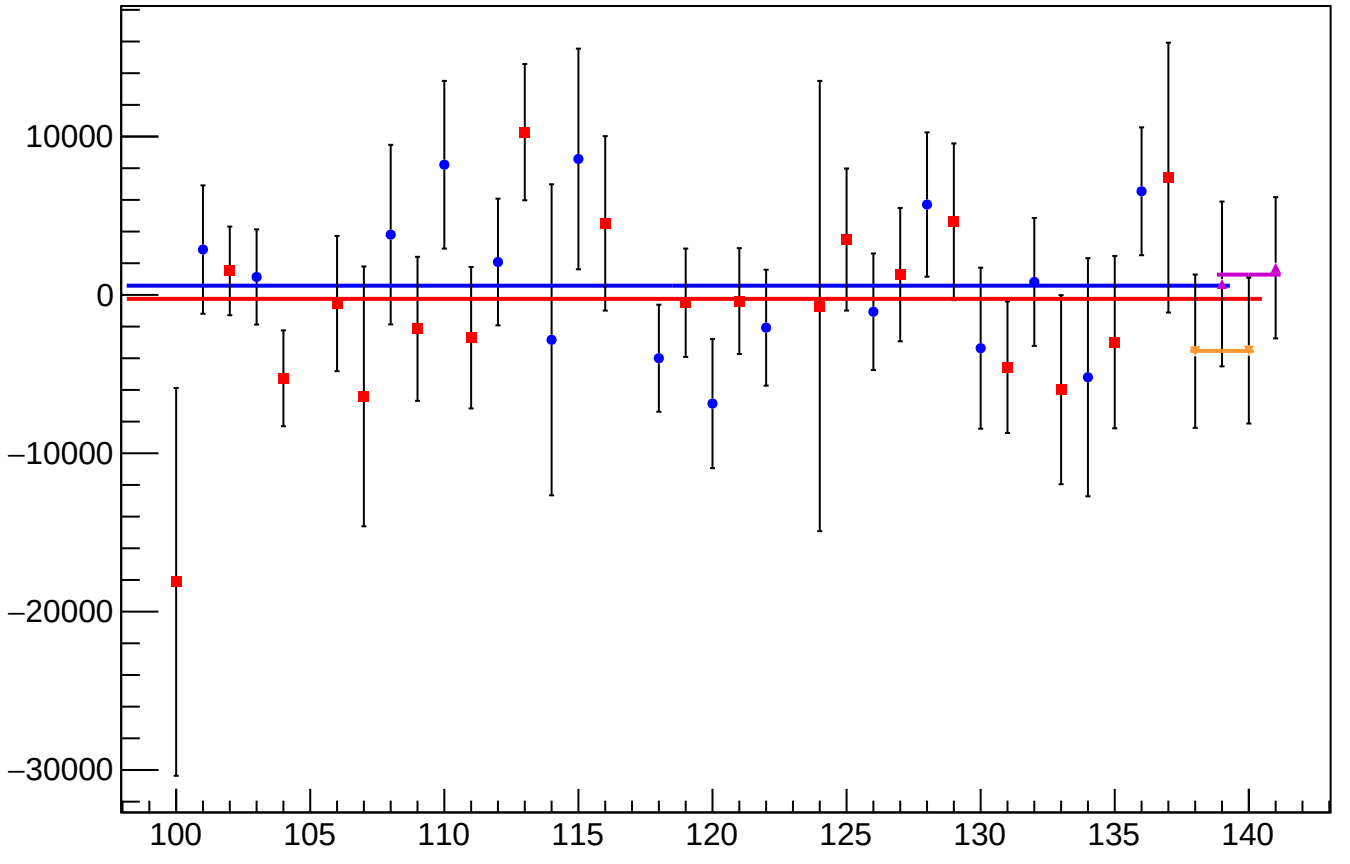
Left: 1961.346+/-0.757 χ^2/NDF: 2162.7/3

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1795.419+/-0.433 χ^2/NDF:697575.3/17

Out: 1777.092+/-0.425 χ^2/NDF:263665.8/20

All: 1786.084+/-0.303 χ^2/NDF: 962153.8/38



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -3534.912+/-3336.895 χ^2/NDF:0.0/1

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: 1280.575+/-3386.379 χ^2/NDF:0.0/1

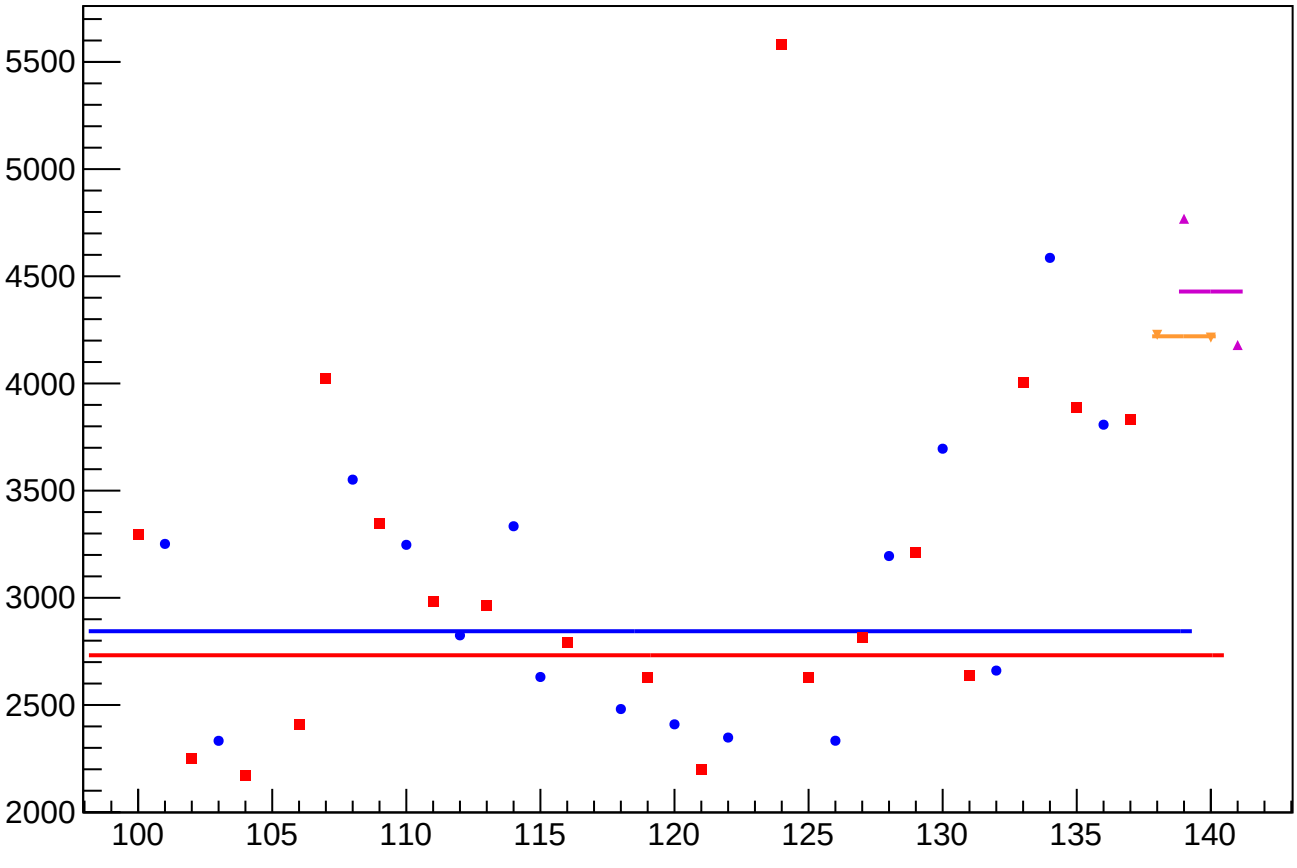
Left: -1162.609+/-2376.843 χ^2/NDF: 1.0/3

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 646.853+/-1030.217 χ^2/NDF:14.9/17

Out: -531.417+/-976.330 χ^2/NDF:18.8/20

All: 26.098+/-708.654 χ^2/NDF: 34.4/38



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4220.050+/-2.360 χ^2/NDF:7.5/1

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4428.865+/-2.395 χ^2/NDF:14778.8/1

Left: 4322.921+/-1.681 χ^2/NDF: 18644.6/3

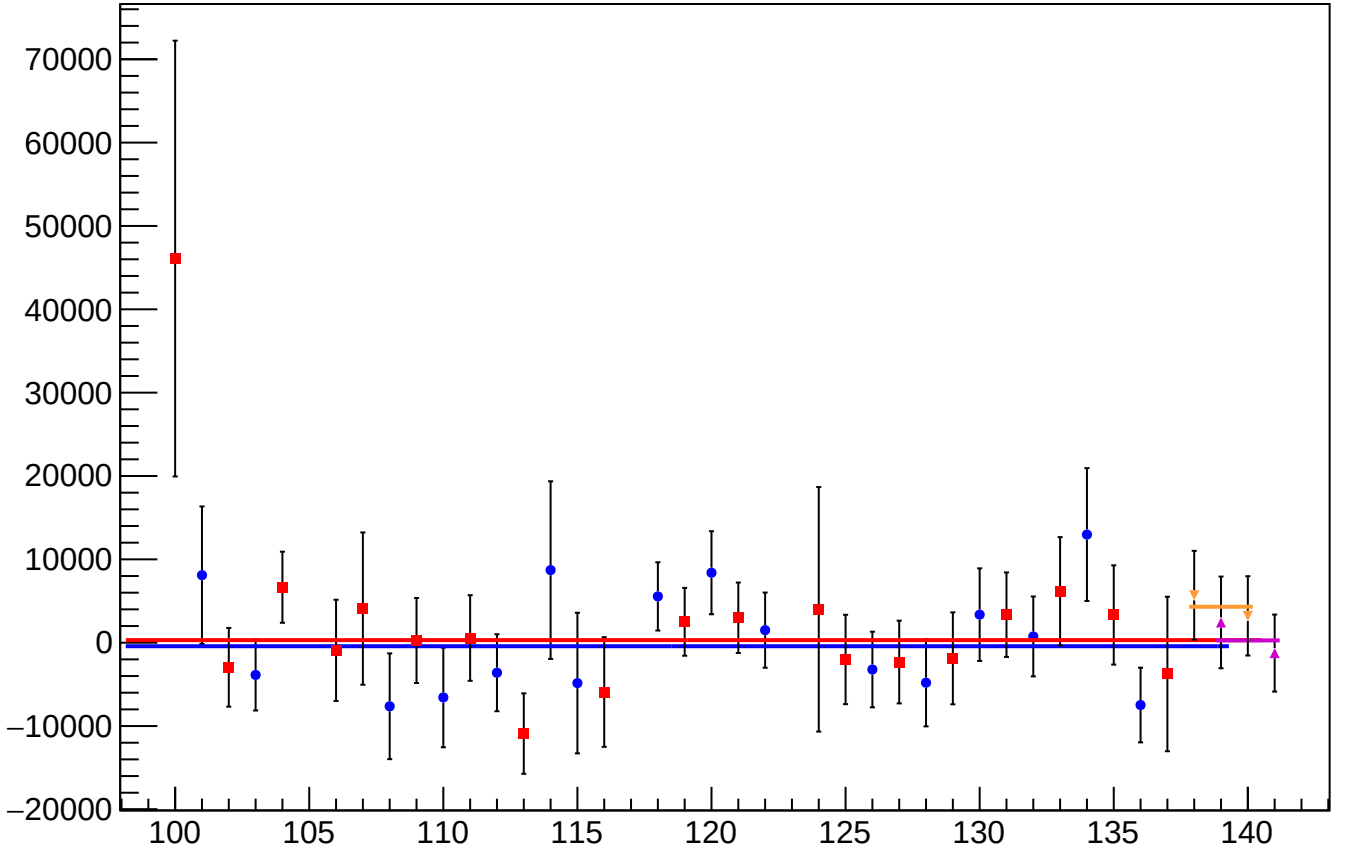
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 2990.814+/-0.728 χ^2/NDF:954267.9/17

Out: 2859.362+/-0.690 χ^2/NDF:974968.6/20

All: 2921.560+/-0.501 χ^2/NDF: 1946391.4/38

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 4314.519+/-3549.249 χ^2/NDF:0.1/1

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 276.411+/-3538.112 χ^2/NDF:0.3/1

Left: 2289.120+/-2505.751 χ^2/NDF: 1.0/3

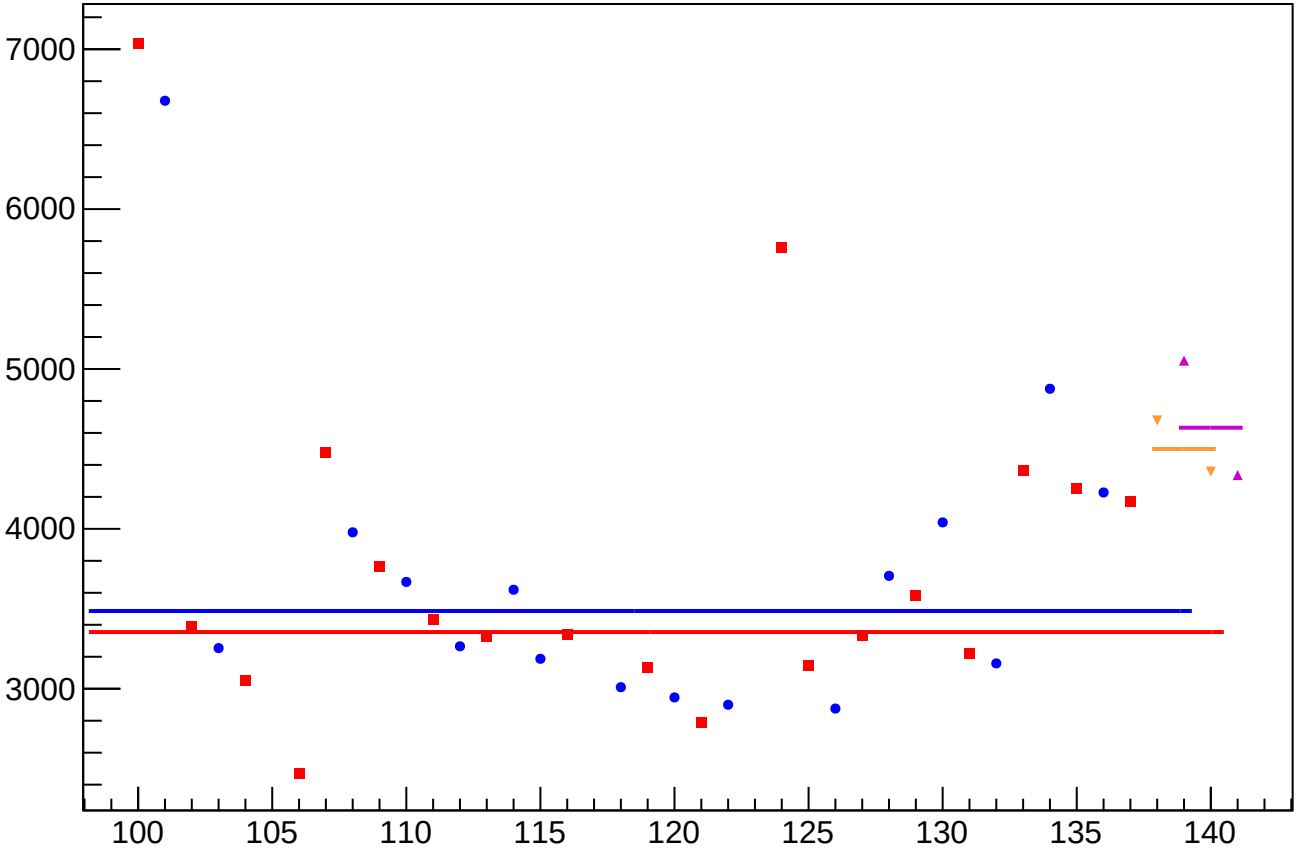
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -336.833+/-1242.697 χ^2/NDF:18.2/17

Out: 766.234+/-1200.523 χ^2/NDF:16.5/20

All: 233.735+/-863.423 χ^2/NDF: 35.1/38

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4499.852+/-2.510 χ^2/NDF:4011.3/1

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4632.709+/-2.502 χ^2/NDF:19863.7/1

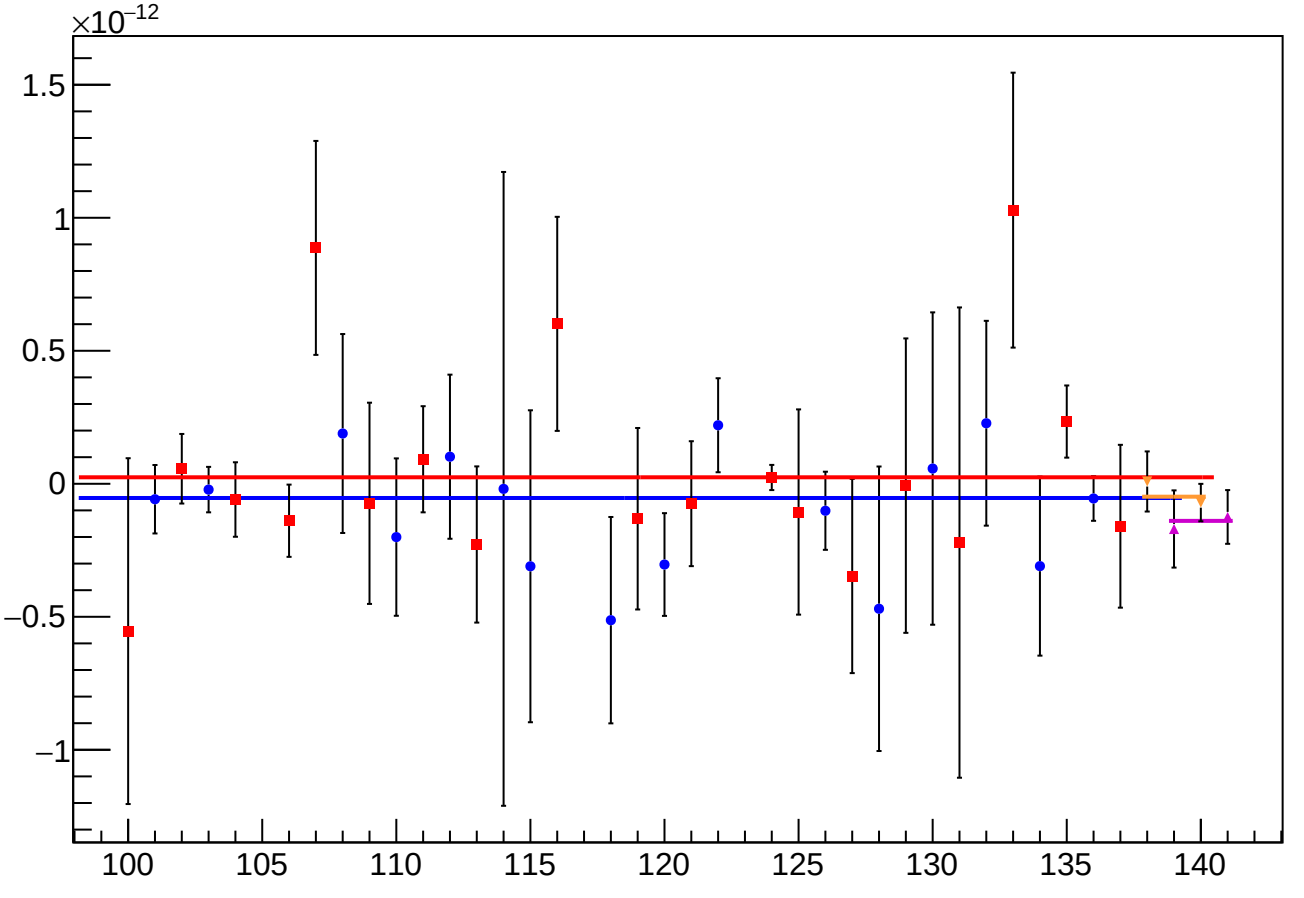
Left: 4566.489+/-1.772 χ^2/NDF: 25280.6/3

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3627.608+/-0.879 χ^2/NDF:799768.4/17

Out: 3482.252+/-0.838 χ^2/NDF:565492.8/20

All: 3551.519+/-0.607 χ^2/NDF: 1379585.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

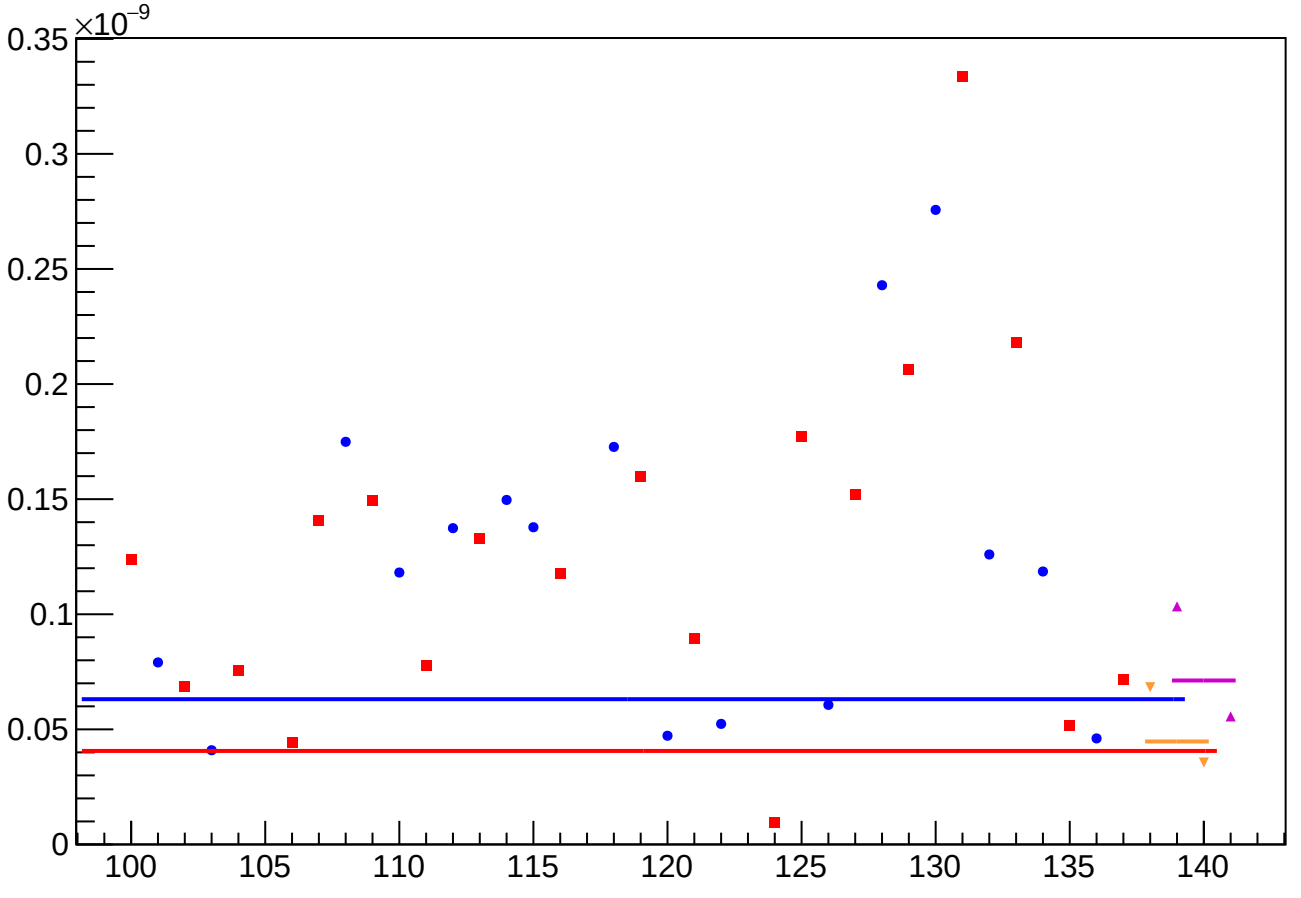
Left: -0.000+/-0.000 χ^2/NDF: 1.2/3

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:9.5/17

Out: 0.000+/-0.000 χ^2/NDF:19.8/20

All: -0.000+/-0.000 χ^2/NDF: 31.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:120659.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:146245.5/1

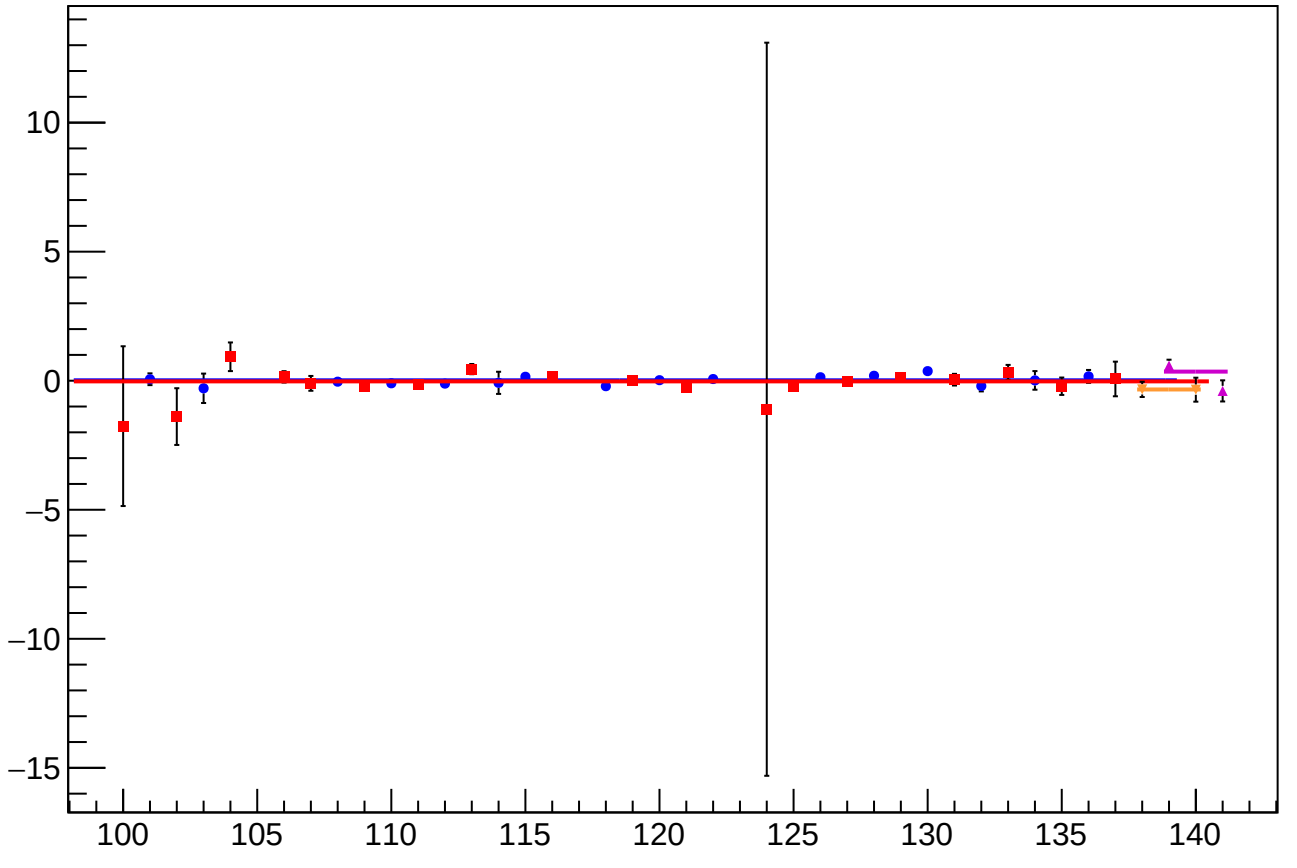
Left: 0.000+/-0.000 χ^2/NDF: 401316.6/3

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1593169.5/17

Out: 0.000+/-0.000 χ^2/NDF:3299978.1/20

All: 0.000+/-0.000 χ^2/NDF: 5328368.6/38



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.339+/-0.249 χ^2/NDF:0.0/1

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.352+/-0.200 χ^2/NDF:4.4/1

Left: 0.082+/-0.156 χ^2/NDF: 9.1/3

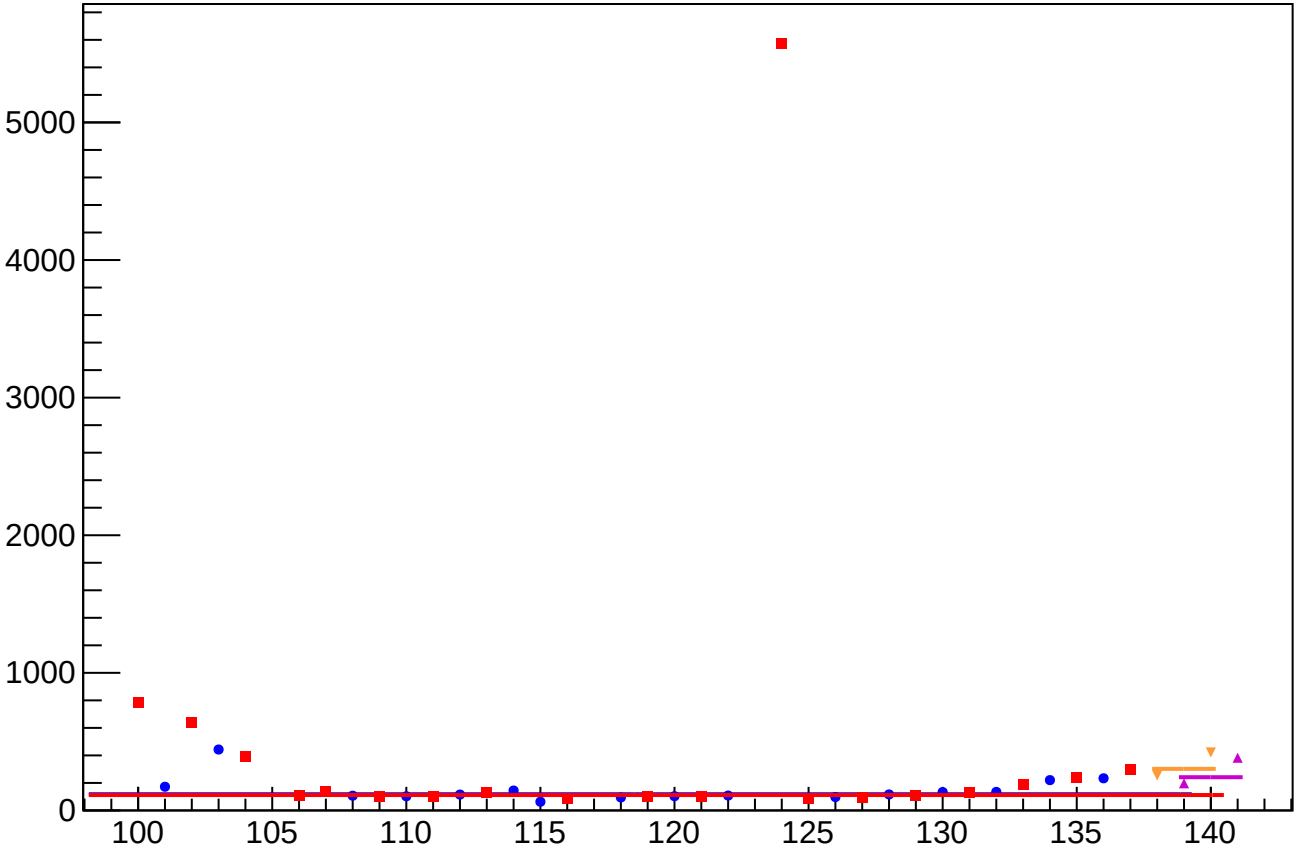
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.047 χ^2/NDF:18.9/17

Out: -0.036+/-0.046 χ^2/NDF:23.6/20

All: -0.002+/-0.033 χ^2/NDF: 43.6/38

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 302.278+/-0.176 χ^2/NDF:185586.2/1

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 241.587+/-0.141 χ^2/NDF:314417.2/1

Left: 265.348+/-0.110 χ^2/NDF: 572286.2/3

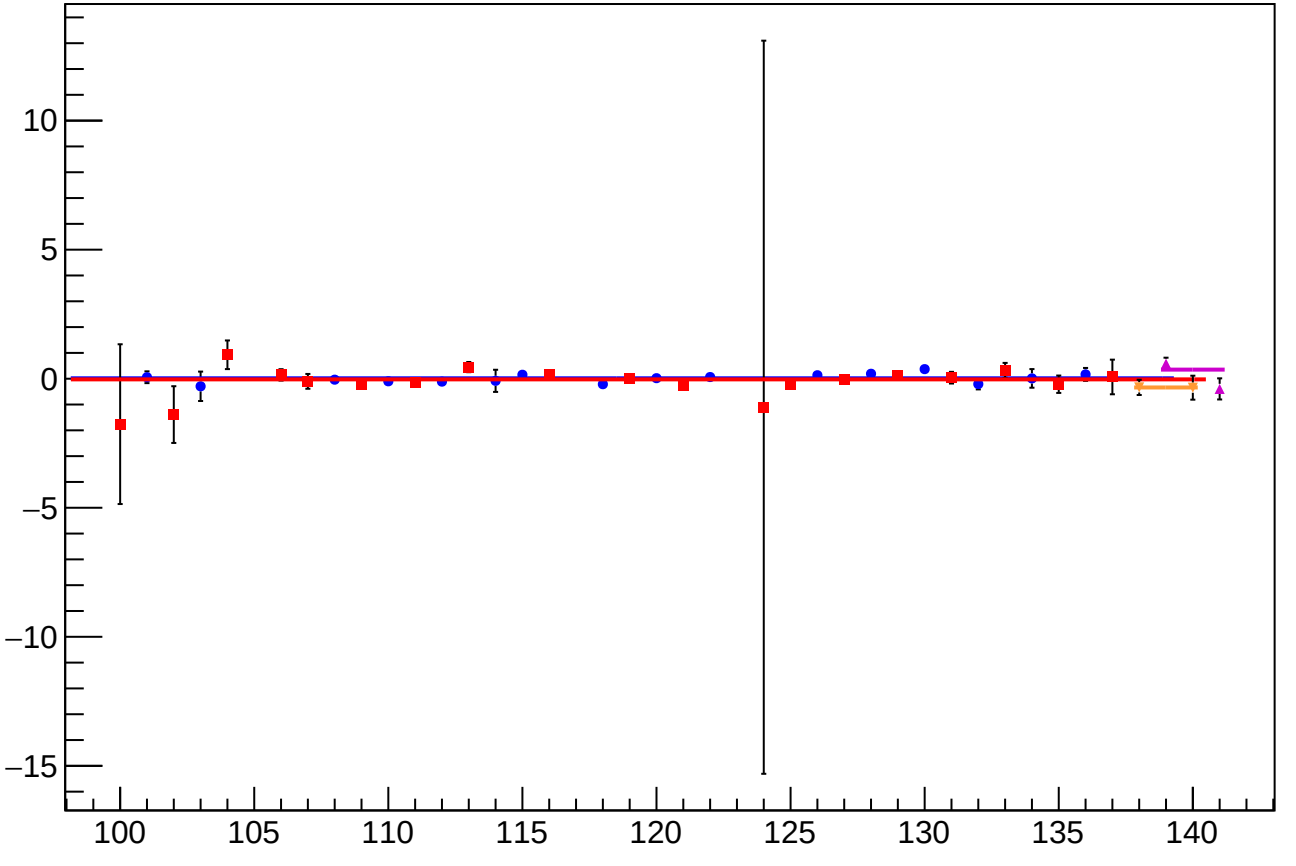
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 124.387+/-0.033 χ^2/NDF:2764914.9/17

Out: 118.622+/-0.033 χ^2/NDF:3498228.8/20

All: 121.471+/-0.023 χ^2/NDF: 6278641.9/38

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.339+/-0.249 χ^2/NDF:0.0/1

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.352+/-0.200 χ^2/NDF:4.4/1

Left: 0.082+/-0.156 χ^2/NDF: 9.1/3

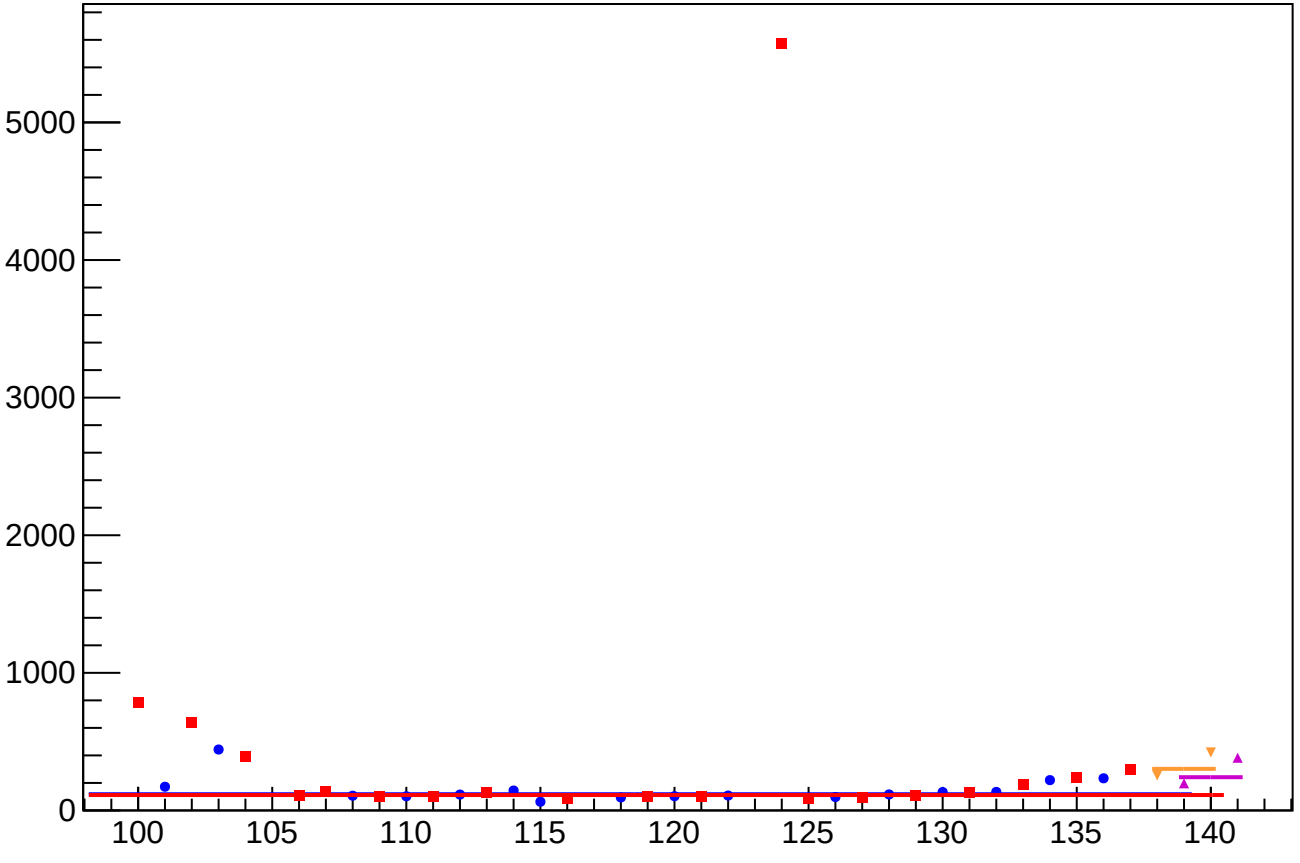
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.047 χ^2/NDF:18.9/17

Out: -0.036+/-0.046 χ^2/NDF:23.6/20

All: -0.002+/-0.033 χ^2/NDF: 43.6/38

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 302.278+/-0.176 χ^2/NDF:185586.2/1

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 241.587+/-0.141 χ^2/NDF:314417.2/1

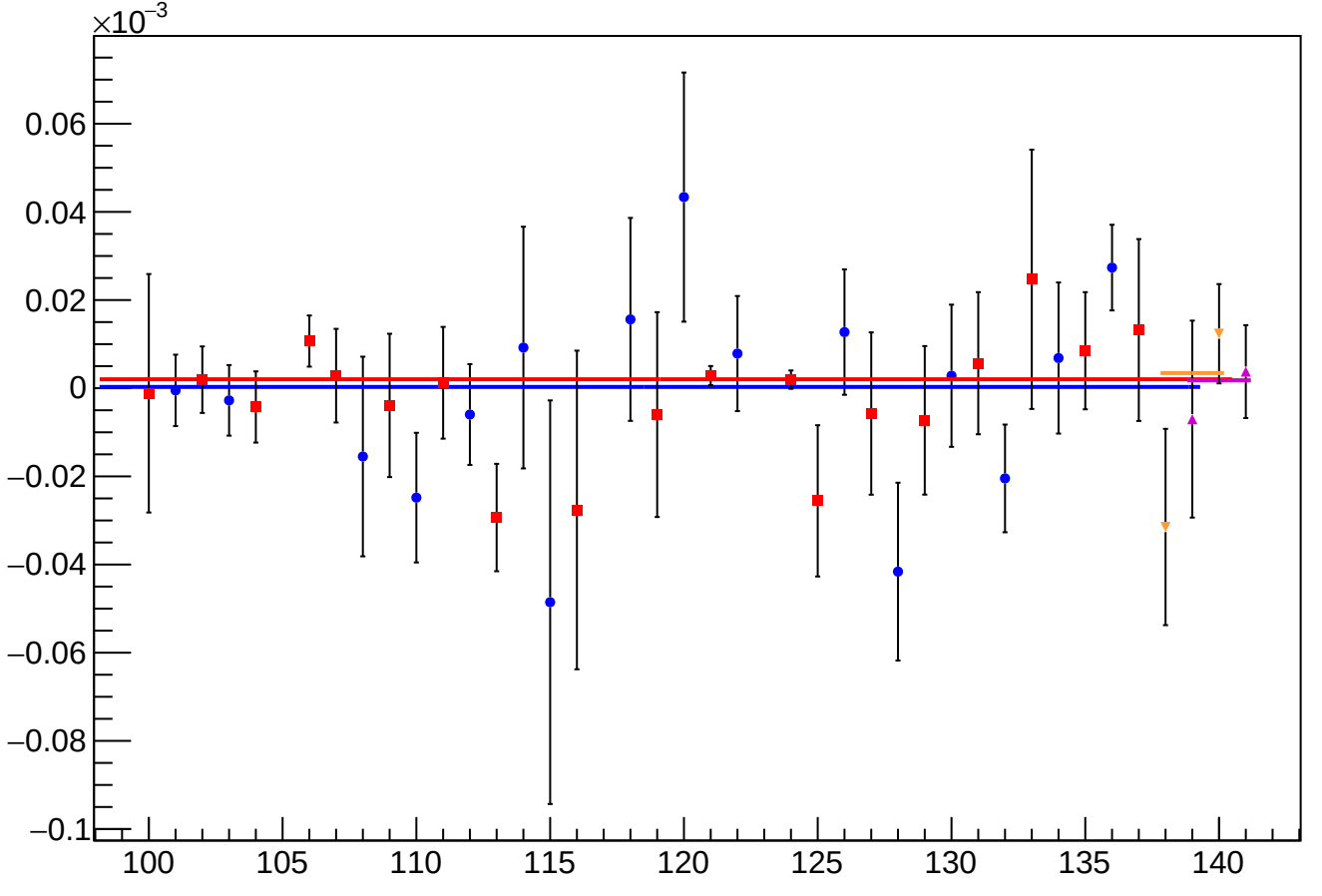
Left: 265.348+/-0.110 χ^2/NDF: 572286.2/3

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 124.387+/-0.033 χ^2/NDF:2764914.9/17

Out: 118.622+/-0.033 χ^2/NDF:3498228.8/20

All: 121.471+/-0.023 χ^2/NDF: 6278641.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

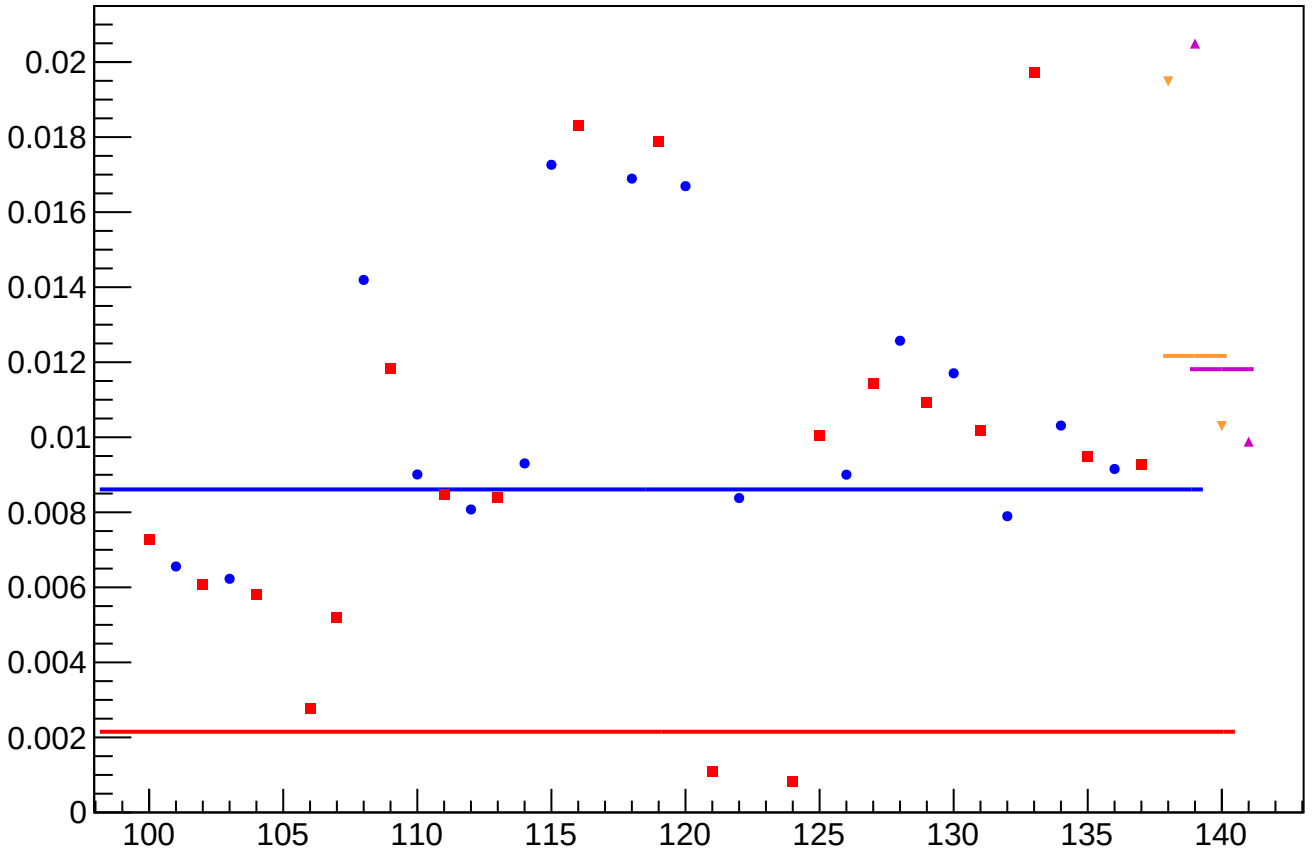
Left: 0.000+/-0.000 χ^2/NDF: 3.3/3

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:24.3/17

Out: 0.000+/-0.000 χ^2/NDF:17.9/20

All: 0.000+/-0.000 χ^2/NDF: 42.4/38



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:271150.5/1

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.012+/-0.000 χ^2/NDF:369094.2/1

Left: 0.012+/-0.000 χ^2/NDF: 641550.4/3

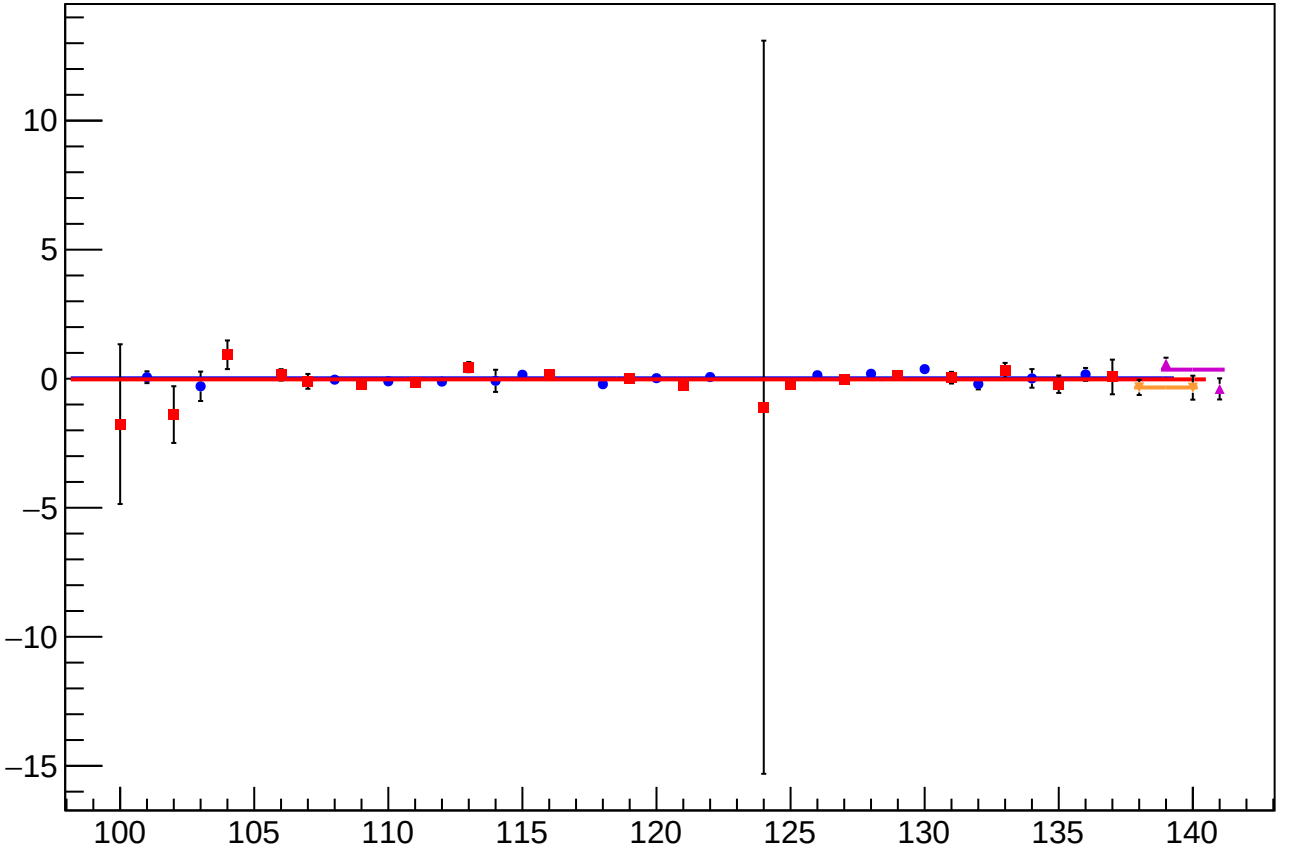
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.009+/-0.000 χ^2/NDF:1684357.9/17

Out: 0.002+/-0.000 χ^2/NDF:11311150.6/20

All: 0.003+/-0.000 χ^2/NDF: 20423599.8/38

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.339+/-0.249 χ^2/NDF:0.0/1

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.352+/-0.200 χ^2/NDF:4.4/1

Left: 0.082+/-0.156 χ^2/NDF: 9.1/3

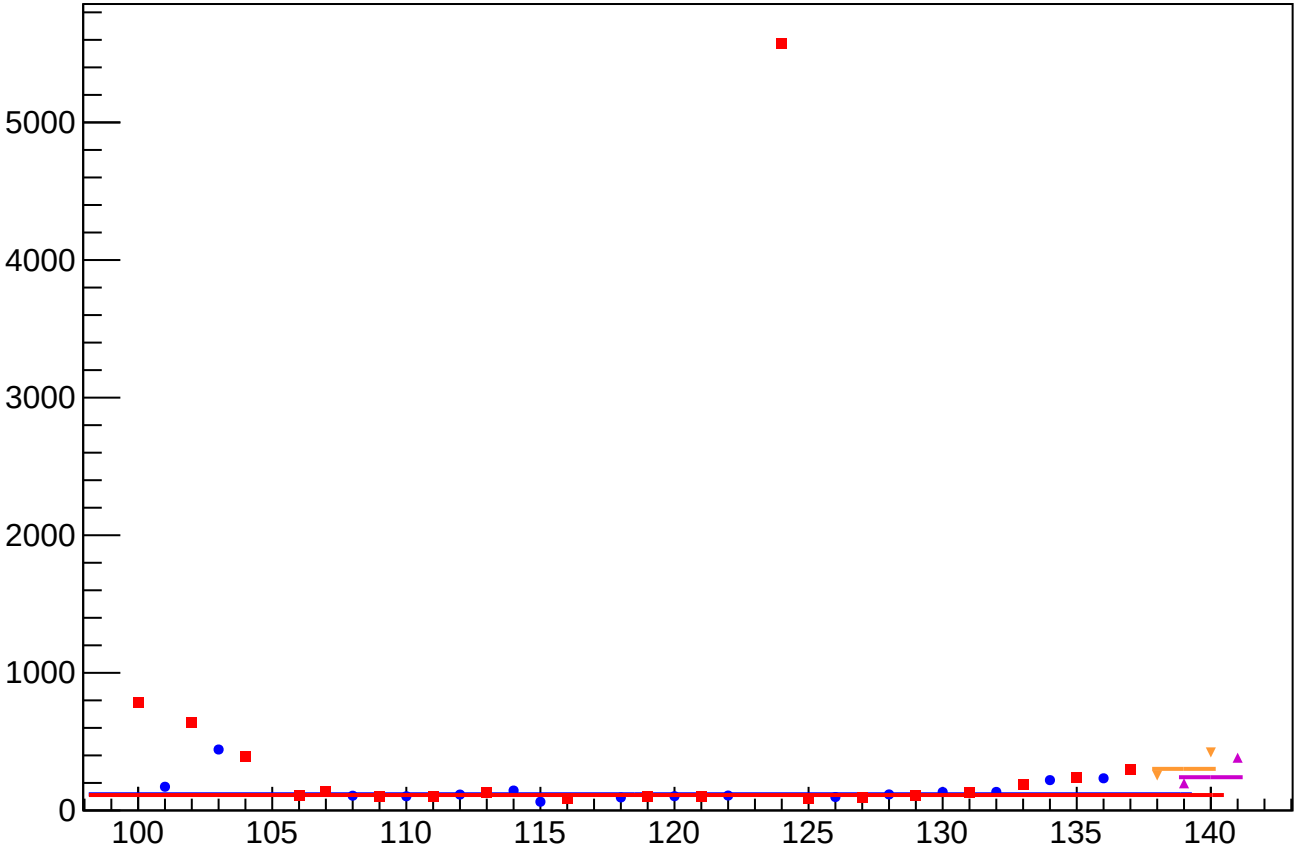
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.047 χ^2/NDF:18.9/17

Out: -0.036+/-0.046 χ^2/NDF:23.6/20

All: -0.002+/-0.033 χ^2/NDF: 43.6/38

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 302.281+/-0.176 χ^2/NDF:185588.3/1

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 241.592+/-0.141 χ^2/NDF:314410.6/1

Left: 265.352+/-0.110 χ^2/NDF: 572276.0/3

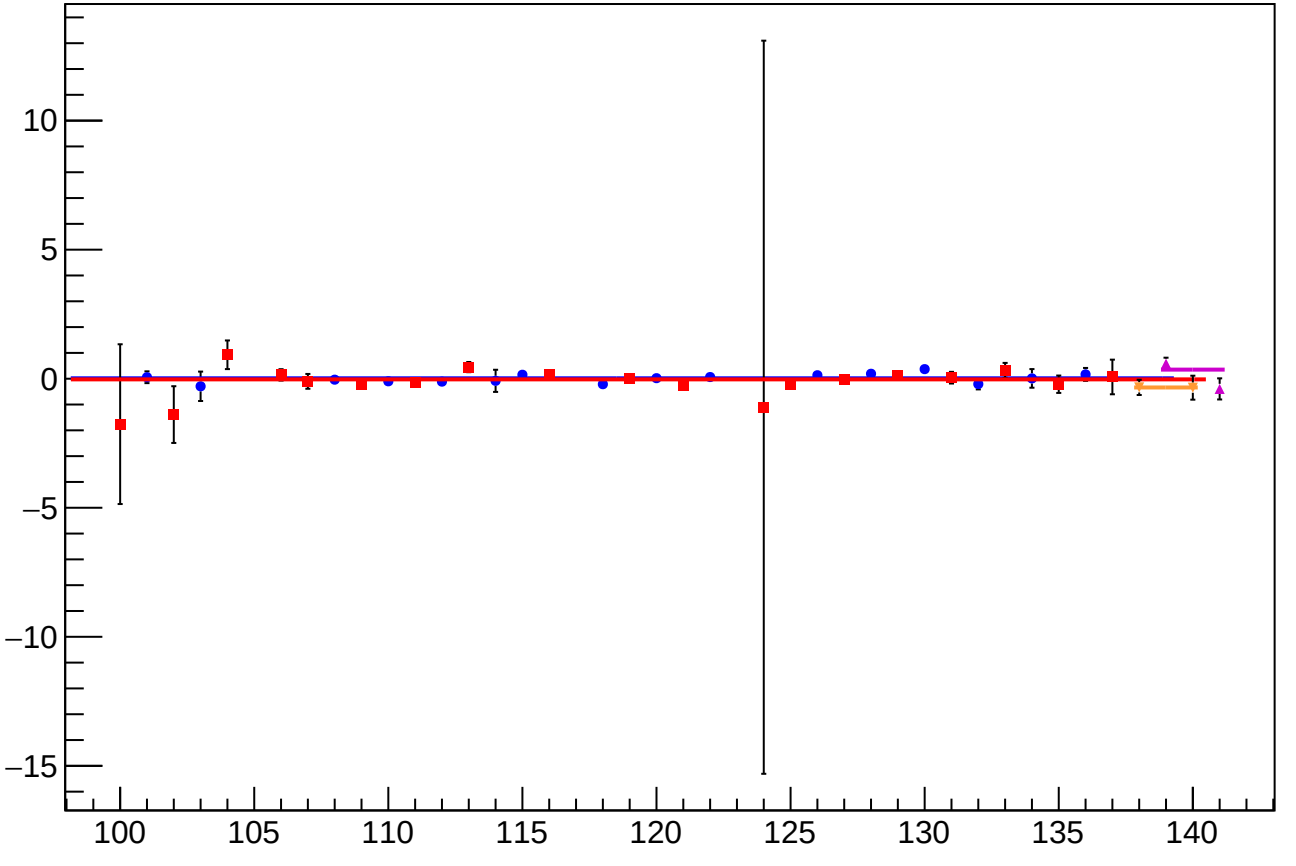
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 124.387+/-0.033 χ^2/NDF:2764904.2/17

Out: 118.624+/-0.033 χ^2/NDF:3498158.4/20

All: 121.472+/-0.023 χ^2/NDF: 6278551.6/38

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.339+/-0.249 χ^2/NDF:0.0/1

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.352+/-0.200 χ^2/NDF:4.4/1

Left: 0.082+/-0.156 χ^2/NDF: 9.1/3

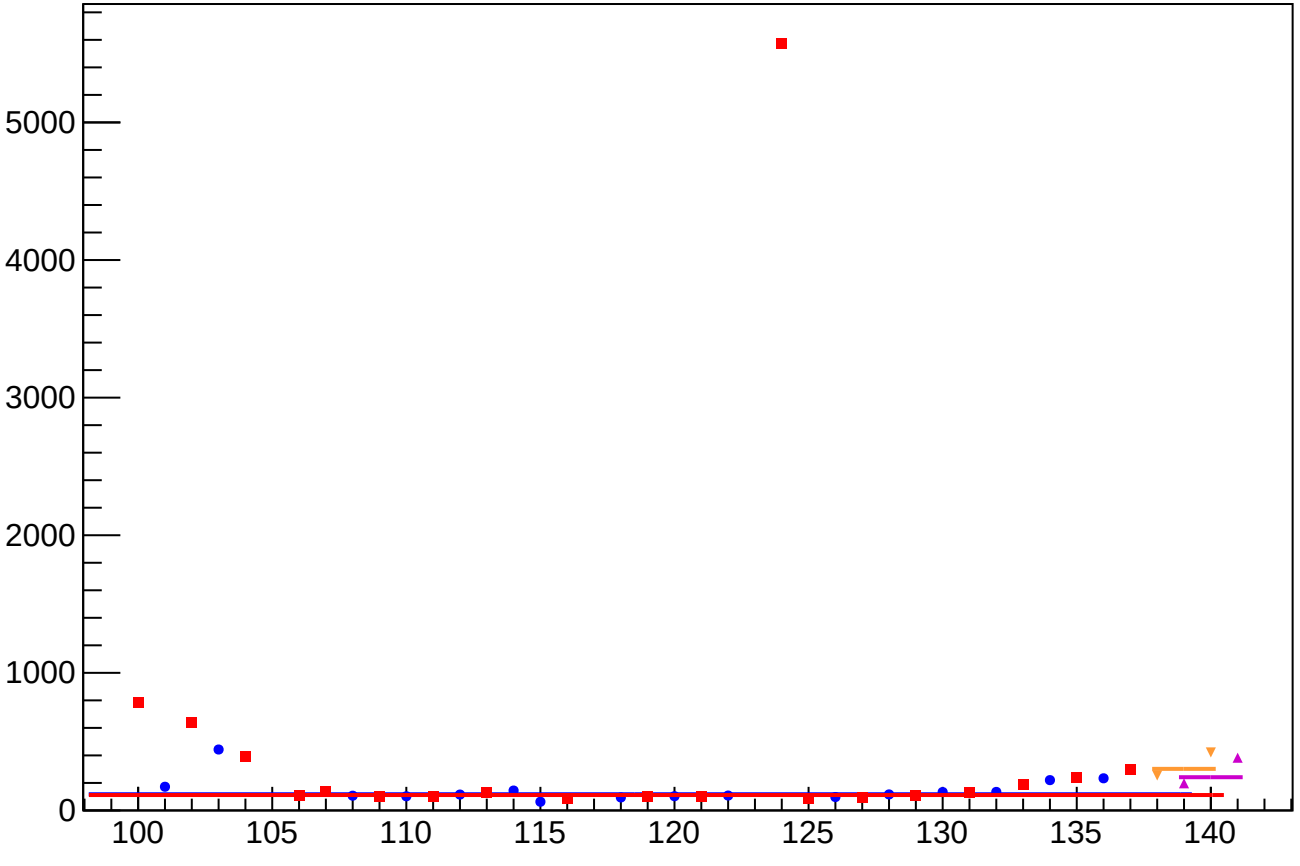
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.047 χ^2/NDF:18.9/17

Out: -0.036+/-0.046 χ^2/NDF:23.6/20

All: -0.002+/-0.033 χ^2/NDF: 43.6/38

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 302.281+/-0.176 χ^2/NDF:185588.3/1

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 241.592+/-0.141 χ^2/NDF:314410.6/1

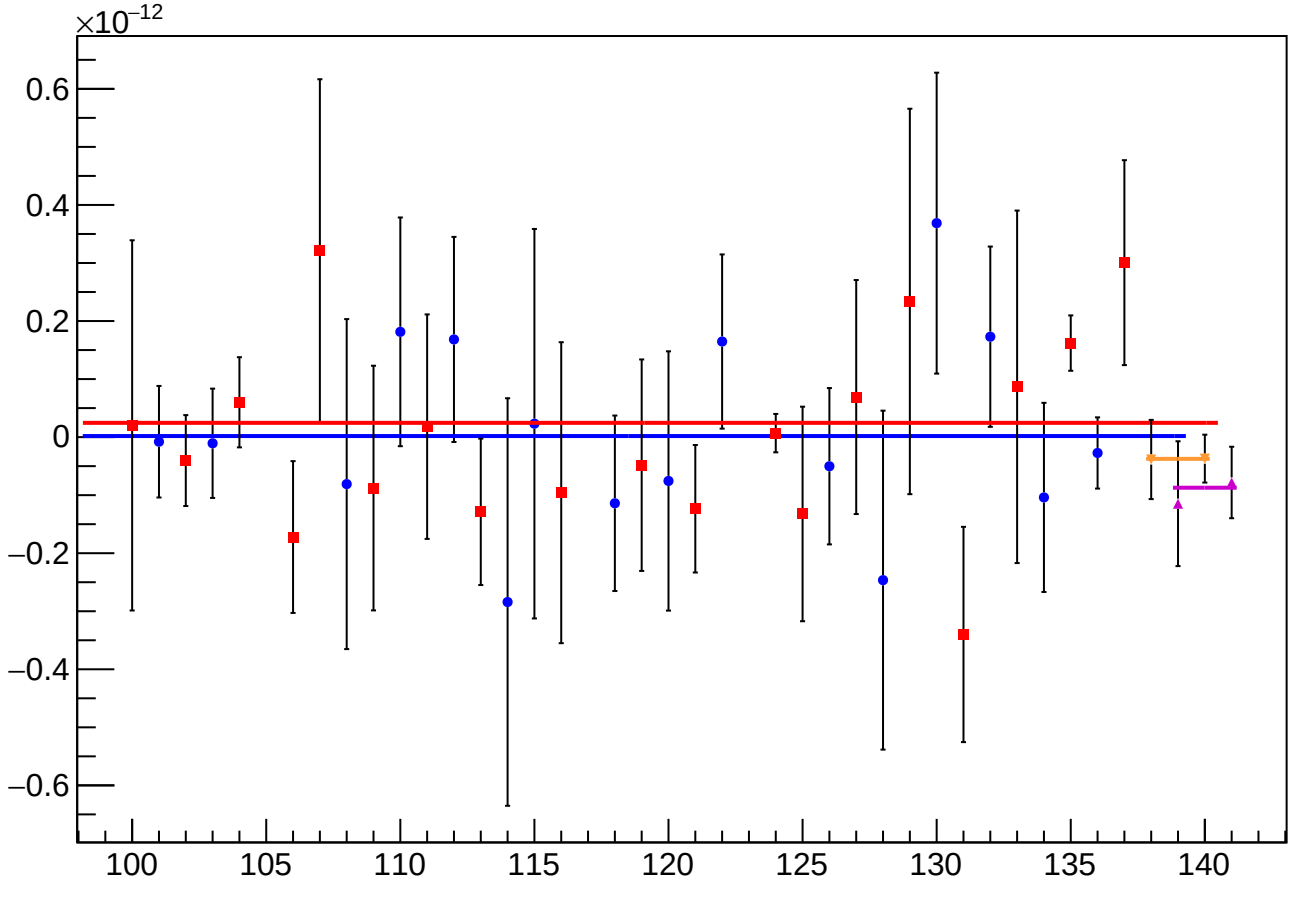
Left: 265.352+/-0.110 χ^2/NDF: 572276.0/3

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 124.387+/-0.033 χ^2/NDF:2764904.2/17

Out: 118.624+/-0.033 χ^2/NDF:3498158.4/20

All: 121.472+/-0.023 χ^2/NDF: 6278551.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

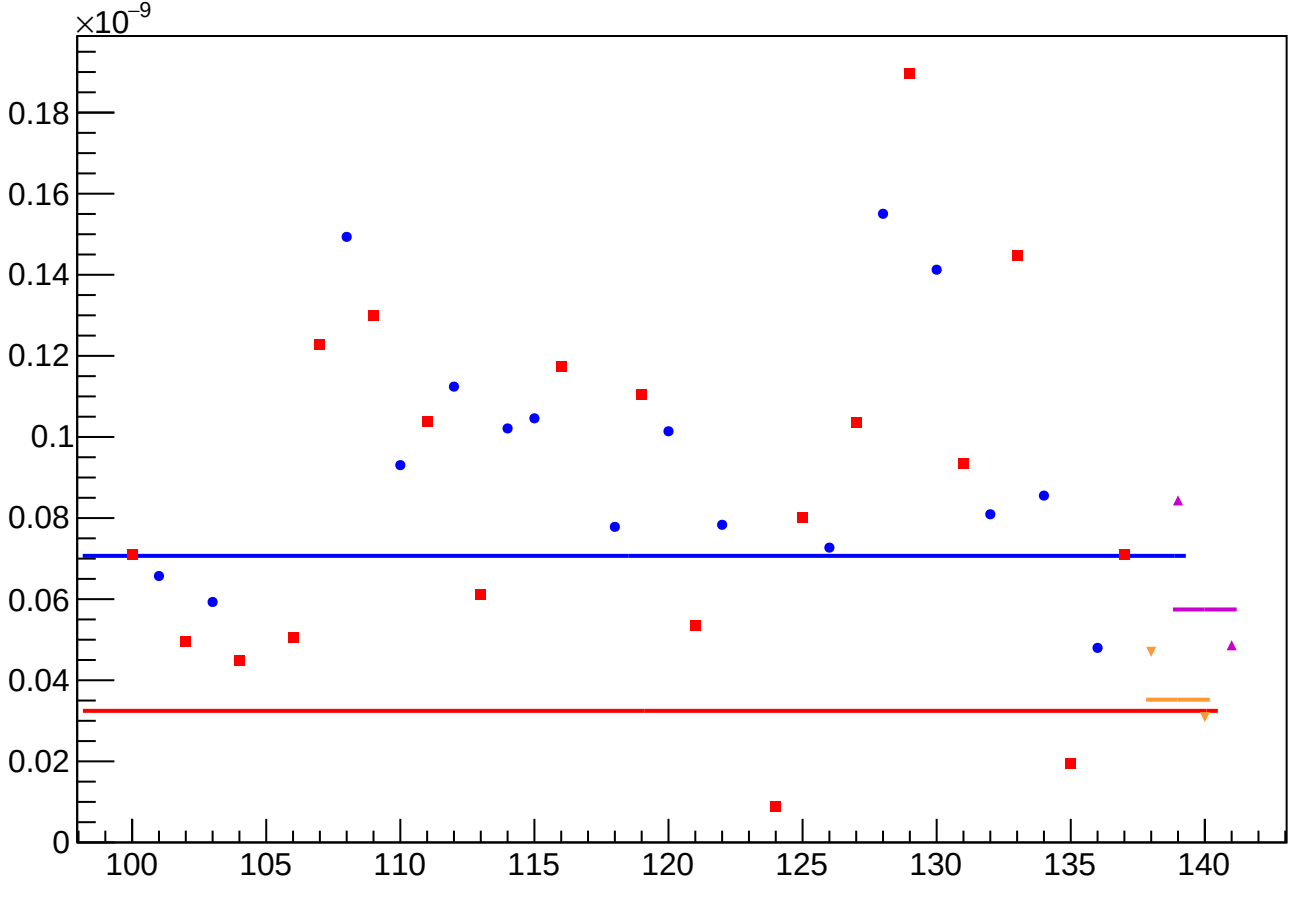
Left: -0.000+/-0.000 χ^2/NDF: 0.7/3

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:11.2/17

Out: 0.000+/-0.000 χ^2/NDF:26.5/20

All: -0.000+/-0.000 χ^2/NDF: 38.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:81574.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:166158.4/1

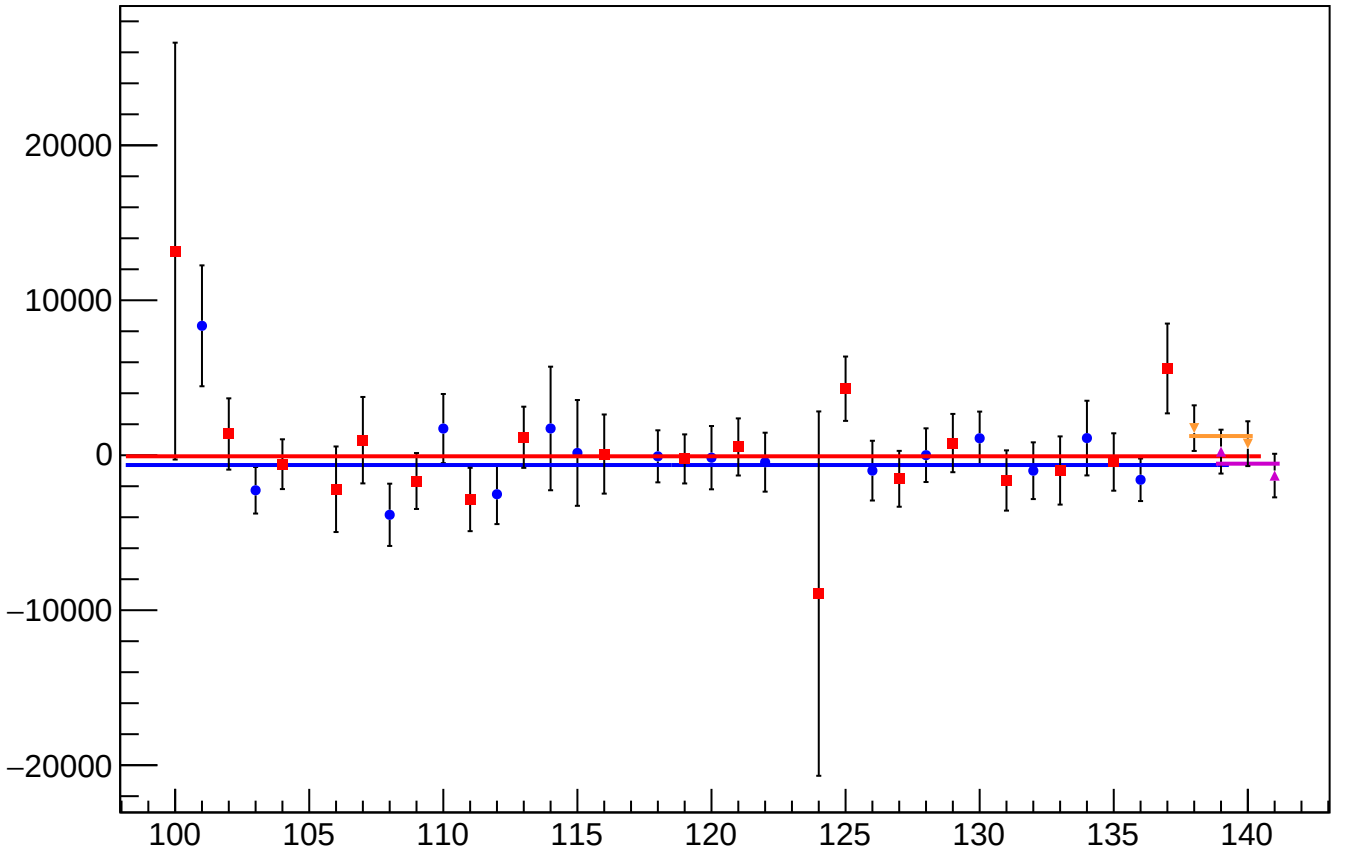
Left: 0.000+/-0.000 χ^2/NDF: 488961.2/3

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1276378.2/17

Out: 0.000+/-0.000 χ^2/NDF:4539588.4/20

All: 0.000+/-0.000 χ^2/NDF: 7731062.5/38



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.687+/-1031.611 χ^2/NDF:0.2/1

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -544.636+/-997.379 χ^2/NDF:0.6/1

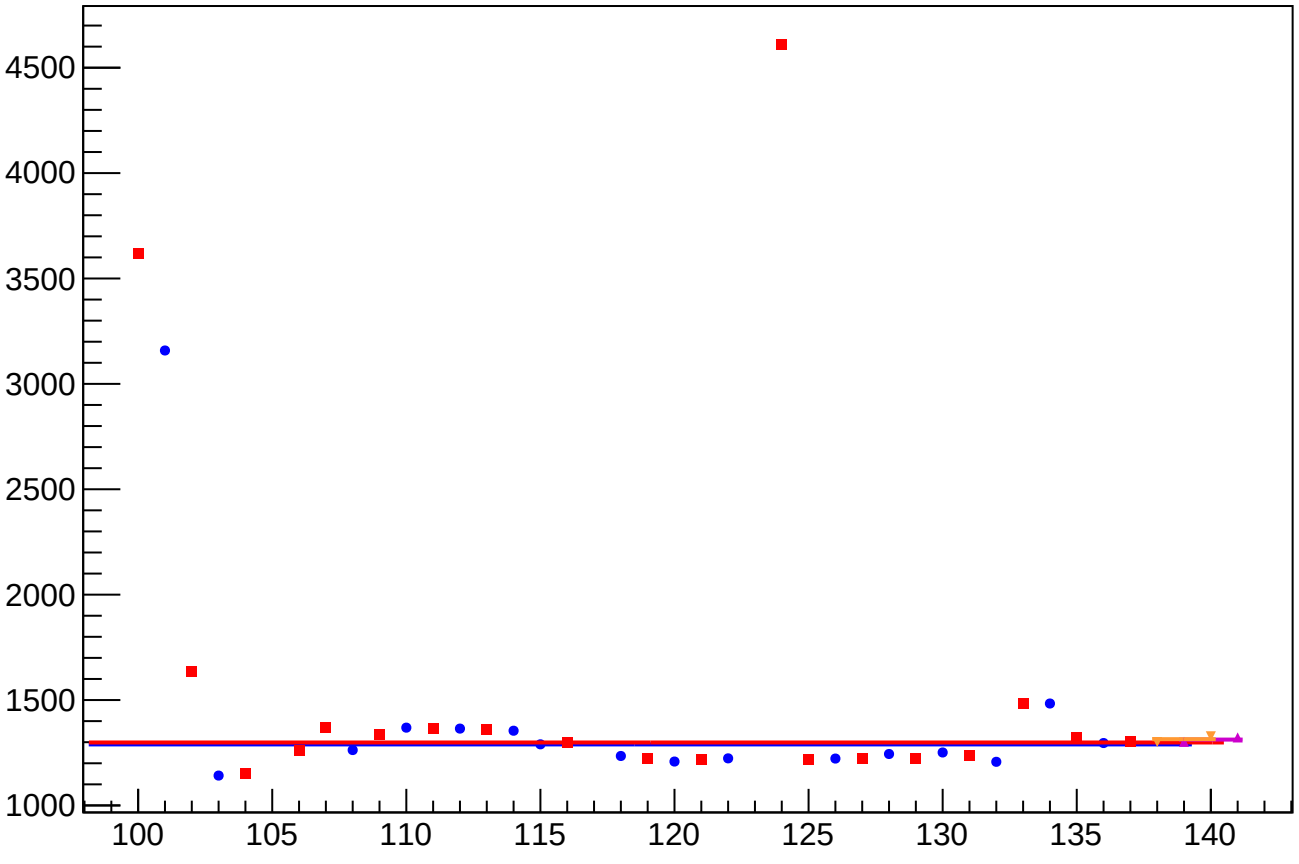
Left: 316.947+/-717.050 χ^2/NDF: 2.4/3

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -614.315+/-438.824 χ^2/NDF:14.5/17

Out: 171.035+/-440.956 χ^2/NDF:17.4/20

All: -223.543+/-311.046 χ^2/NDF: 33.5/38



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

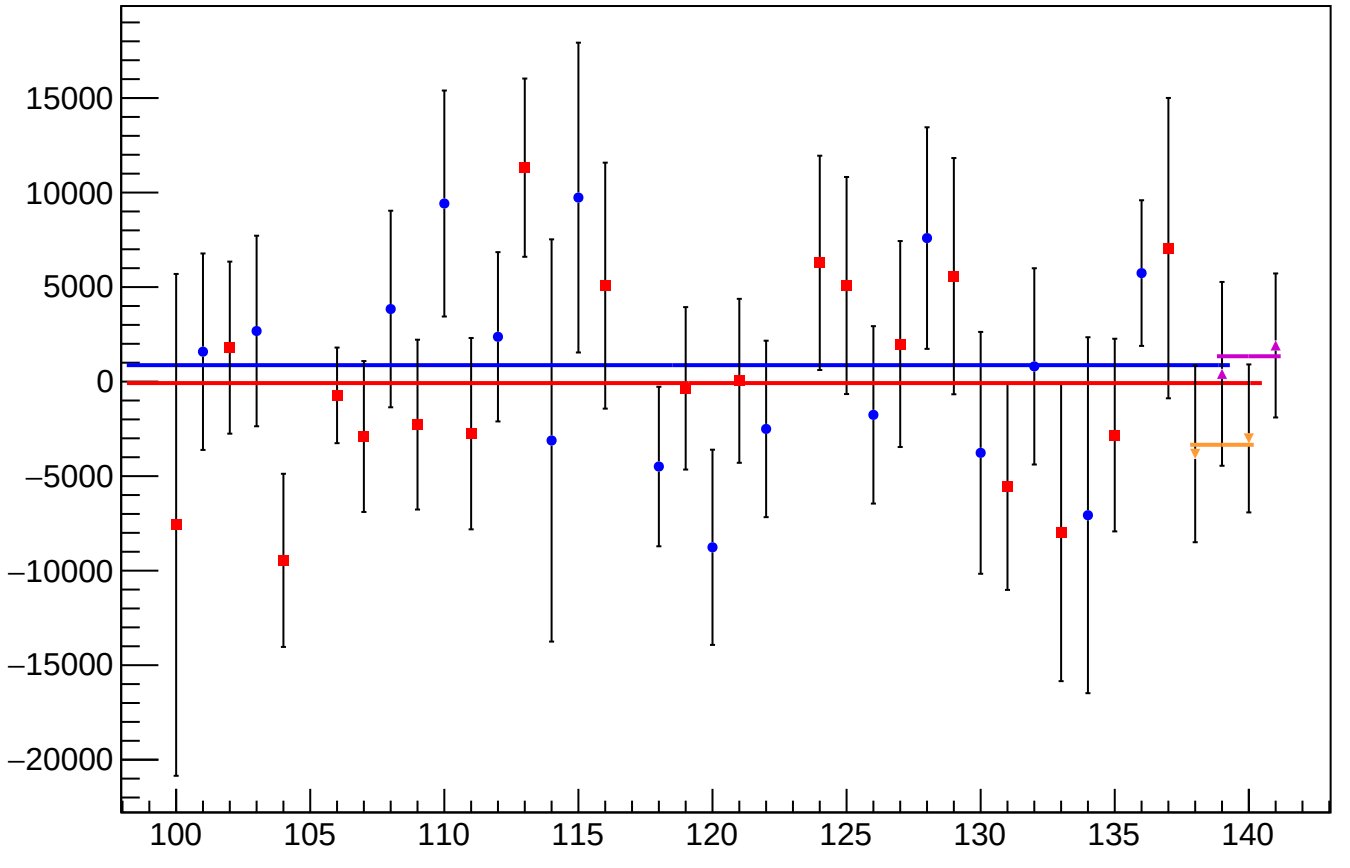
Left: 1313.350+/-0.507 χ^2/NDF: 574.1/3

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1293.903+/-0.310 χ^2/NDF:515743.3/17

Out: 1301.517+/-0.311 χ^2/NDF:320108.6/20

All: 1297.700+/-0.220 χ^2/NDF: 836152.2/38



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -3341.980+/-3000.918 χ^2/NDF:0.0/1

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1340.957+/-2998.457 χ^2/NDF:0.1/1

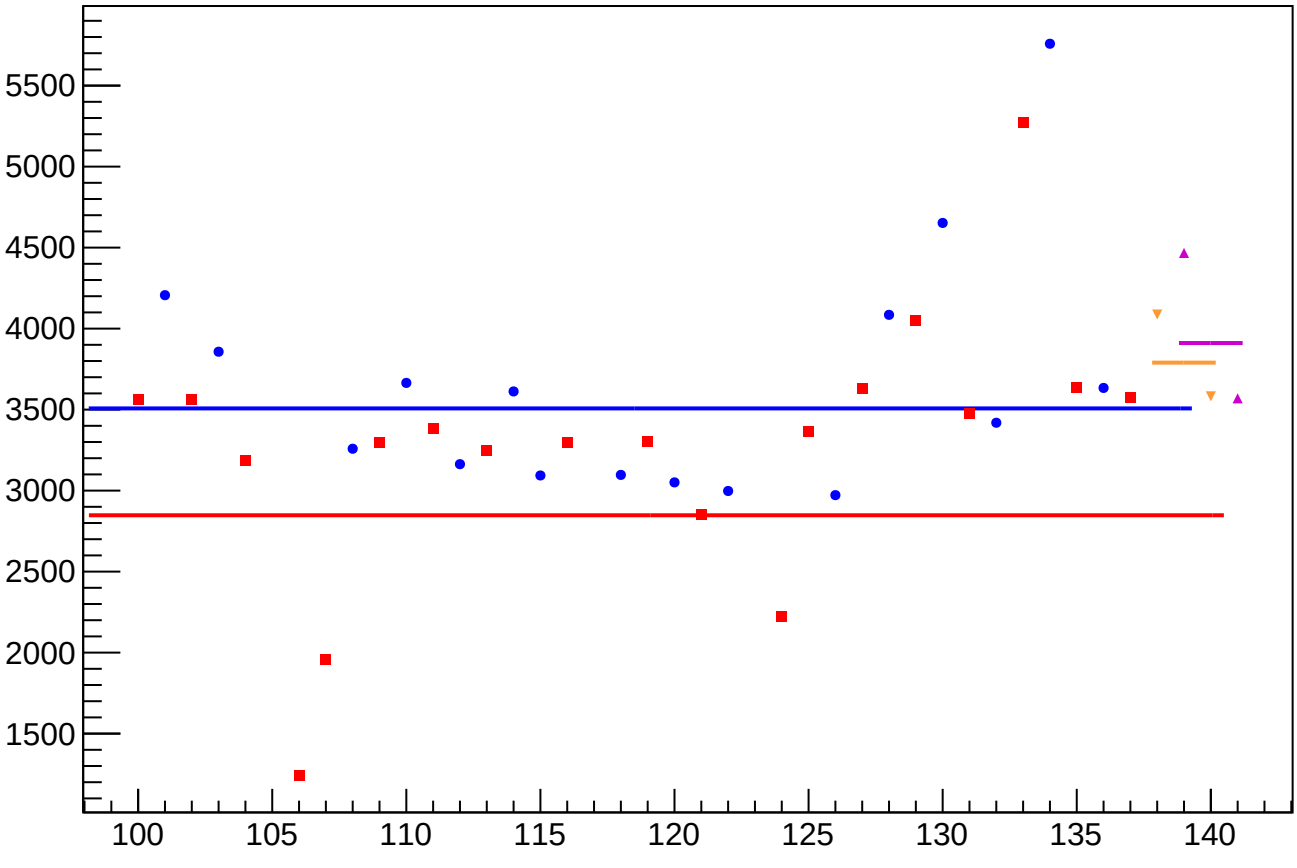
Left: -998.591+/-2121.099 χ^2/NDF: 1.3/3

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 947.213+/-1212.158 χ^2/NDF:14.1/17

Out: -470.895+/-1041.951 χ^2/NDF:19.4/20

All: 131.686+/-790.154 χ^2/NDF: 34.3/38



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3790.009+/-2.122 χ^2/NDF:13720.0/1

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3910.991+/-2.120 χ^2/NDF:42242.3/1

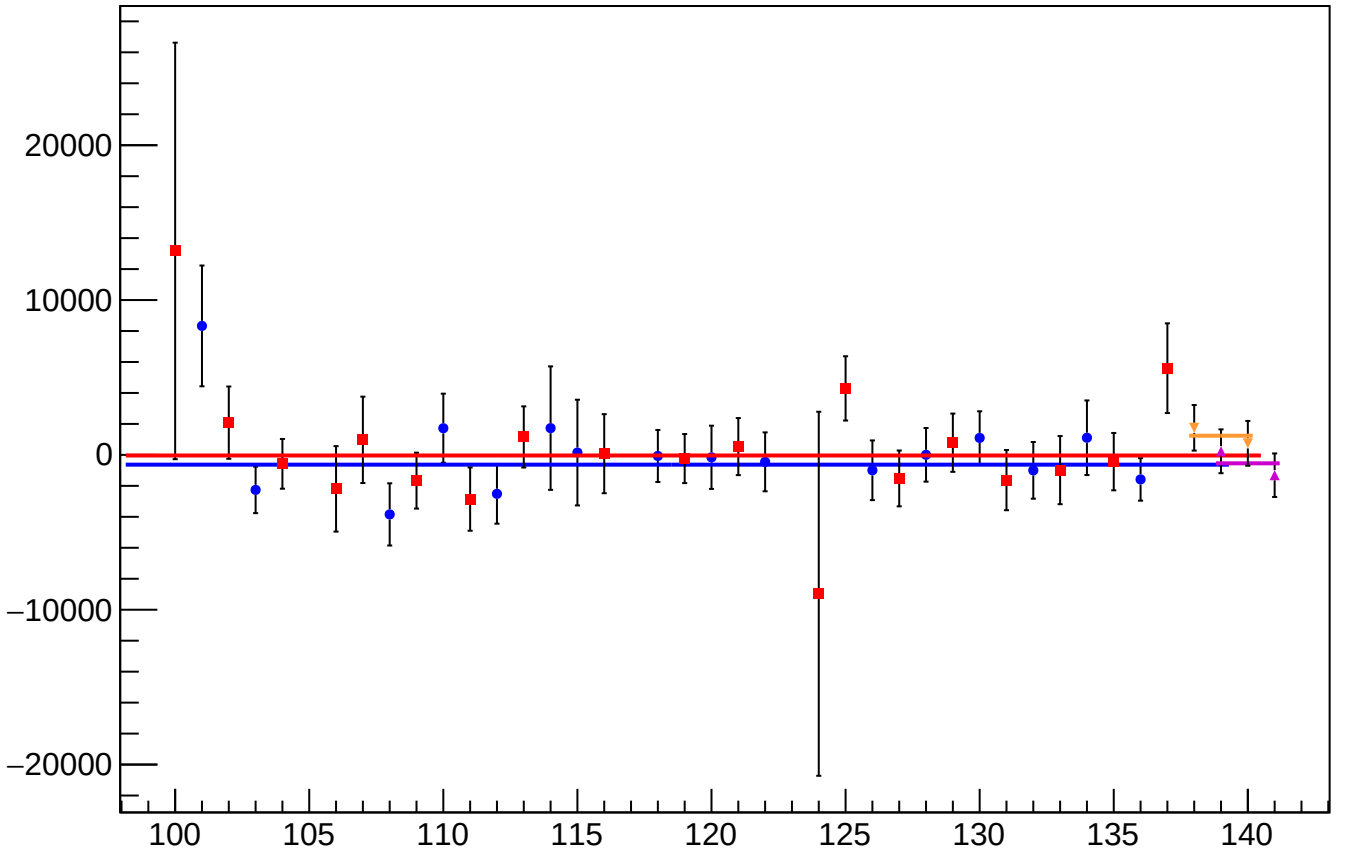
Left: 3850.550+/-1.500 χ^2/NDF: 57588.9/3

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3573.355+/-0.857 χ^2/NDF:426534.2/17

Out: 2961.417+/-0.737 χ^2/NDF:1686471.8/20

All: 3221.441+/-0.559 χ^2/NDF: 2406133.0/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

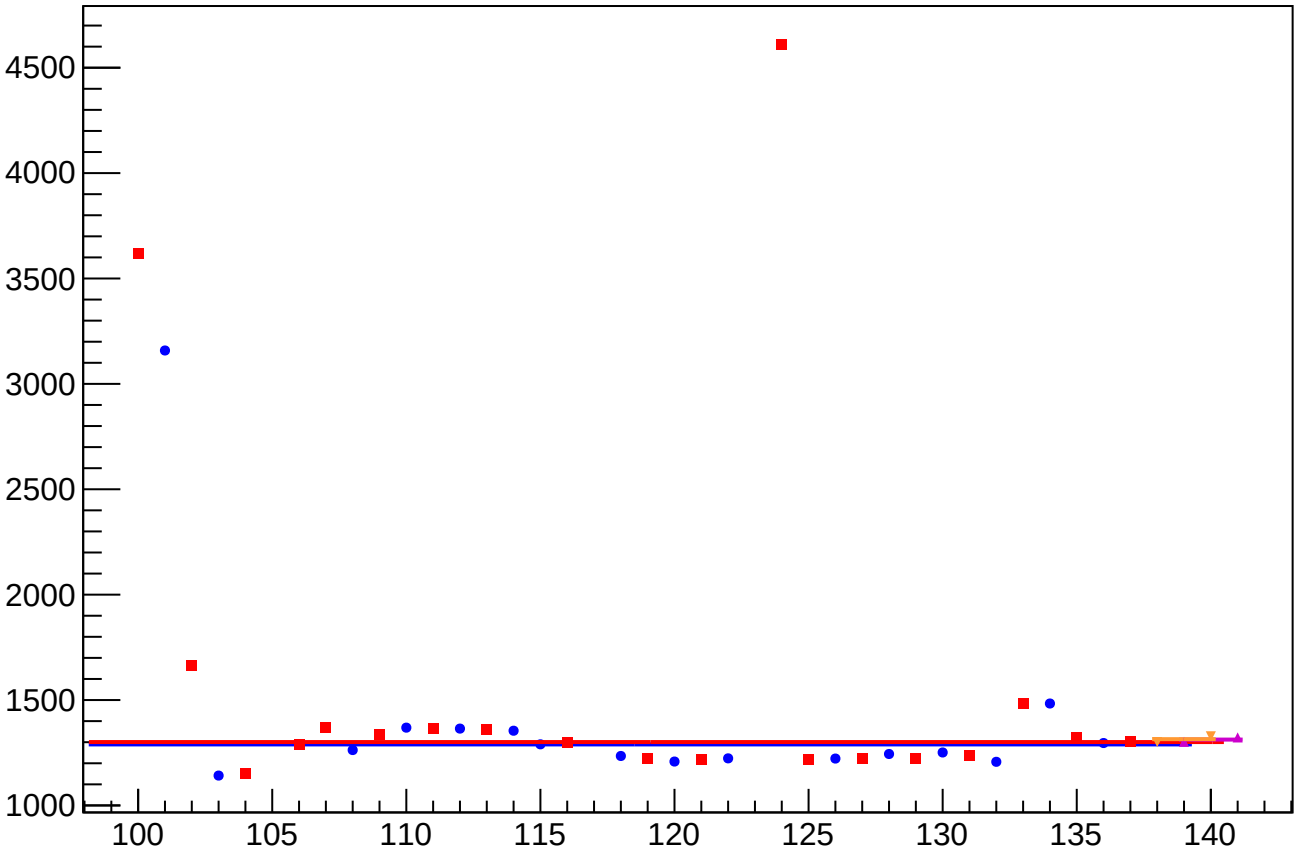
Left: 317.024+/-717.050 χ^2/NDF: 2.4/3

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -211.977+/-311.130 χ^2/NDF: 34.0/38



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

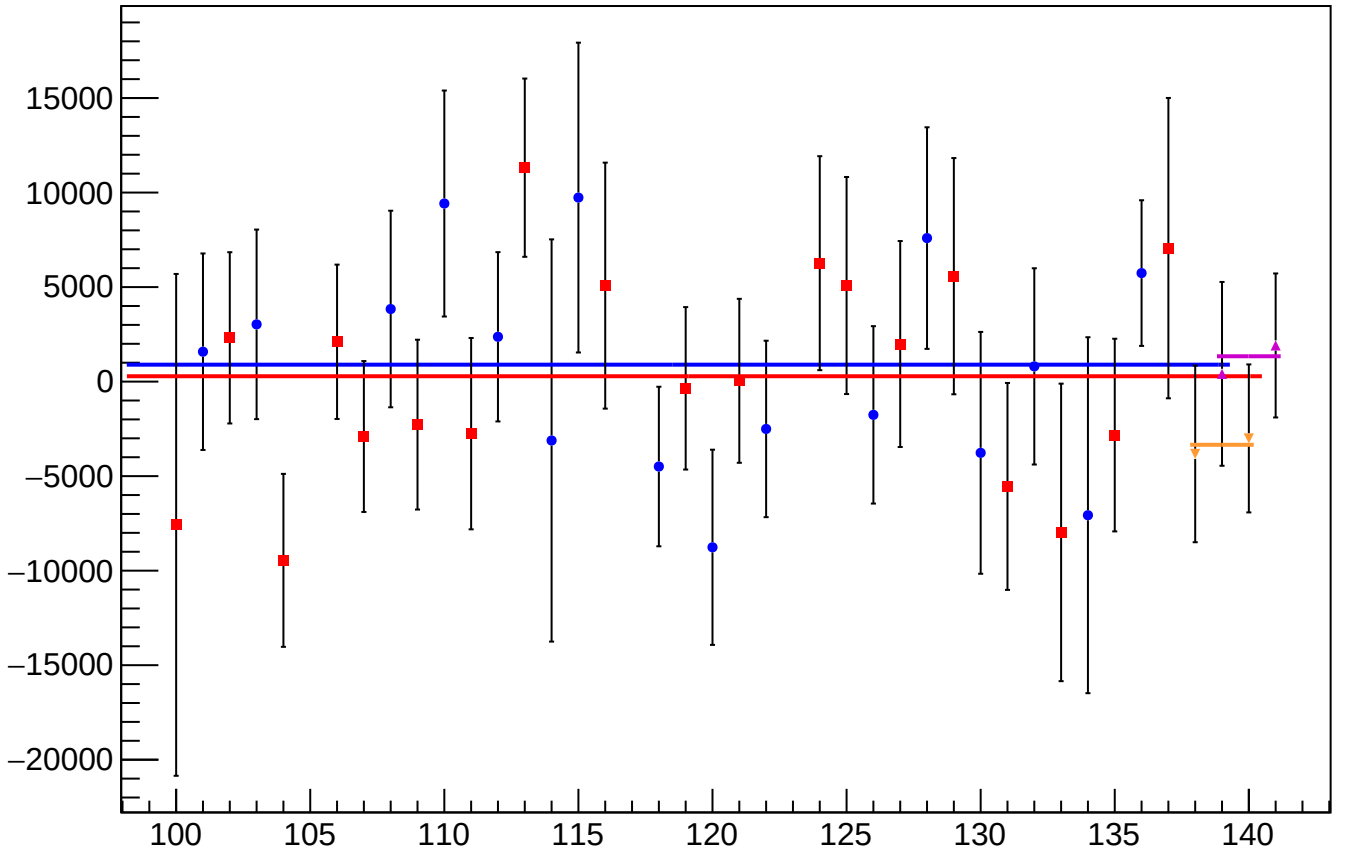
Left: 1313.350+/-0.507 χ^2/NDF: 574.1/3

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1298.524+/-0.220 χ^2/NDF: 842739.8/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

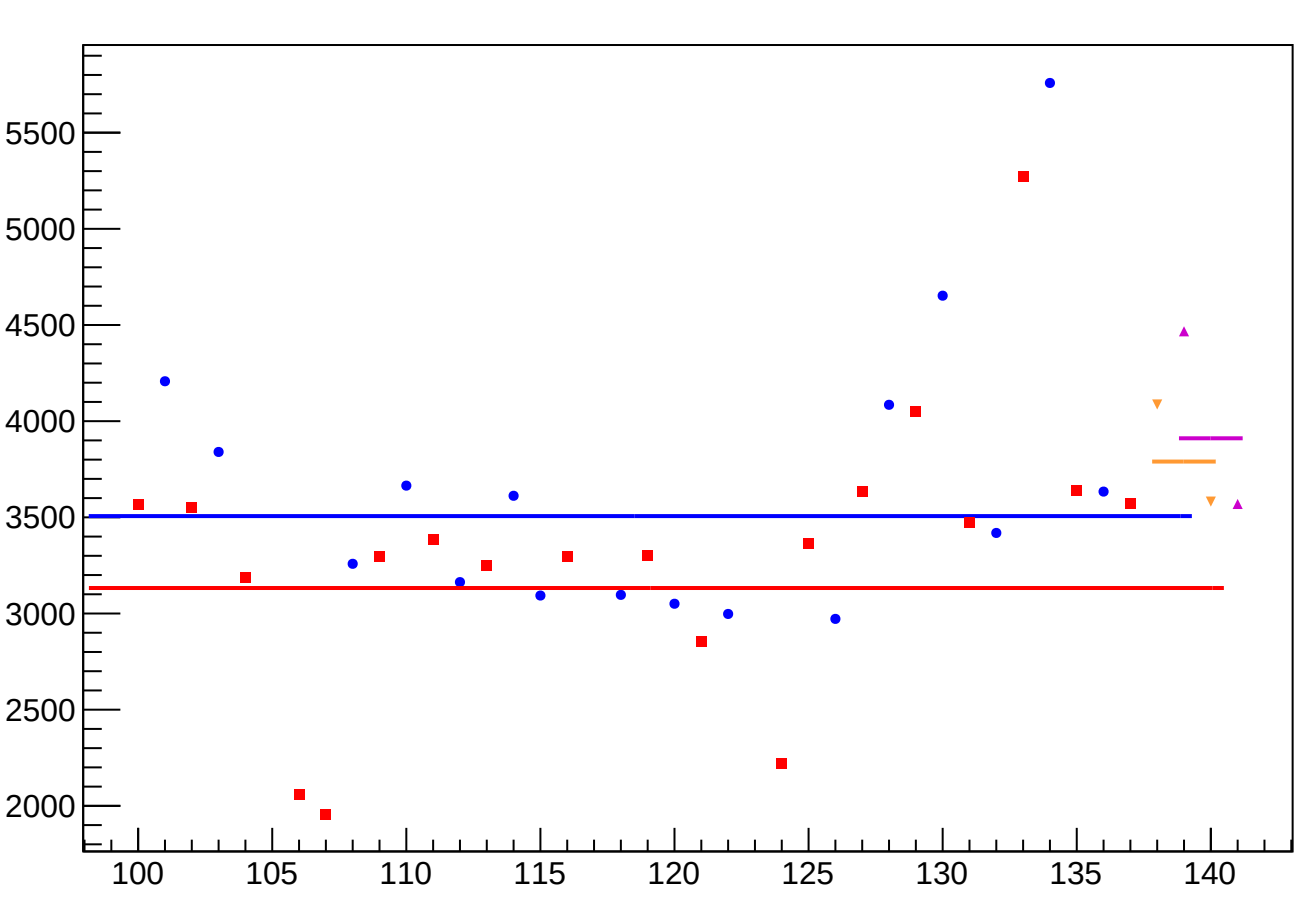
Left: -998.617+/-2121.095 χ^2/NDF: 1.3/3

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 326.210+/-814.771 χ^2/NDF: 34.6/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

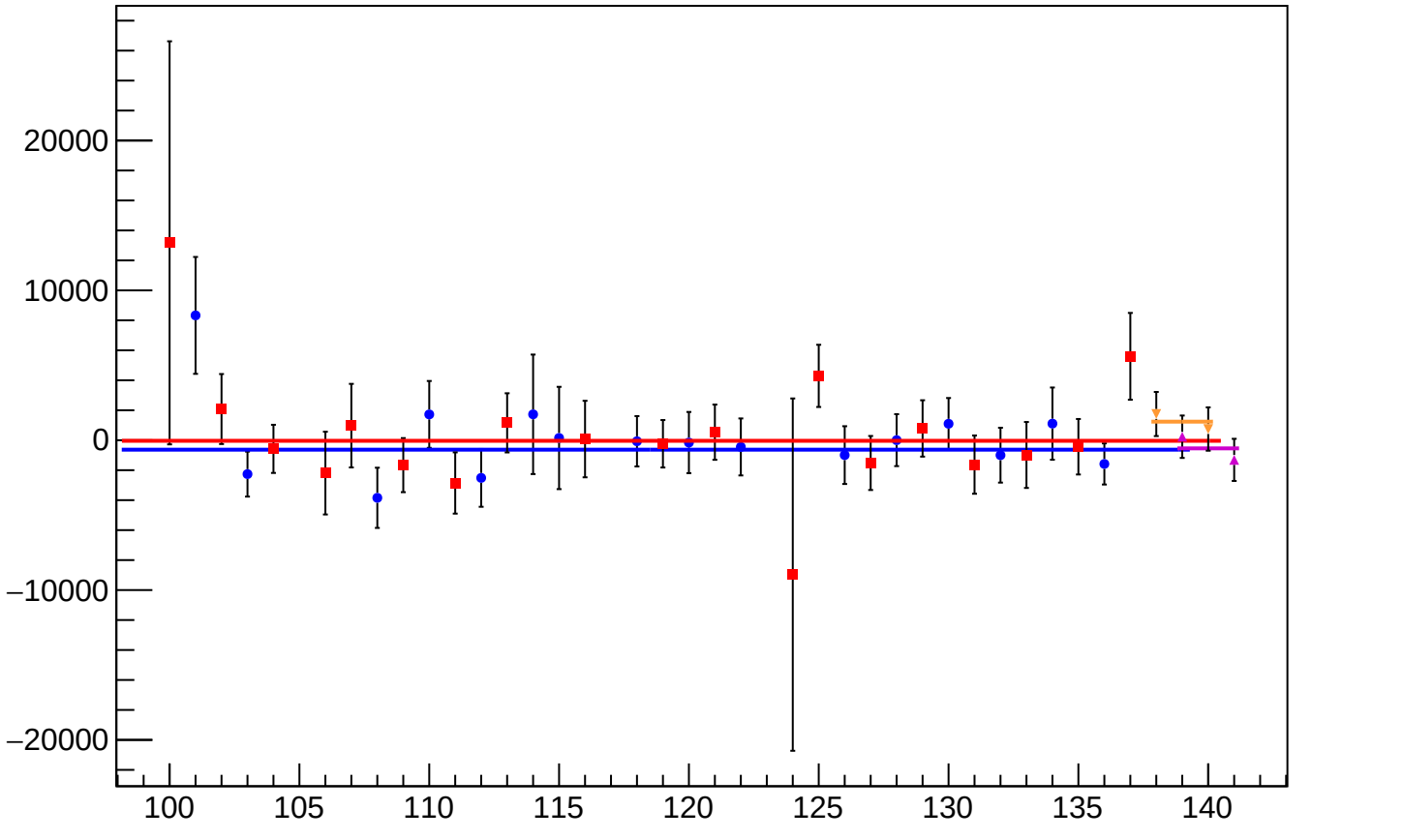
Left: 3850.543+/-1.500 χ^2/NDF: 57588.4/3

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3379.943+/-0.576 χ^2/NDF: 1264547.0/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

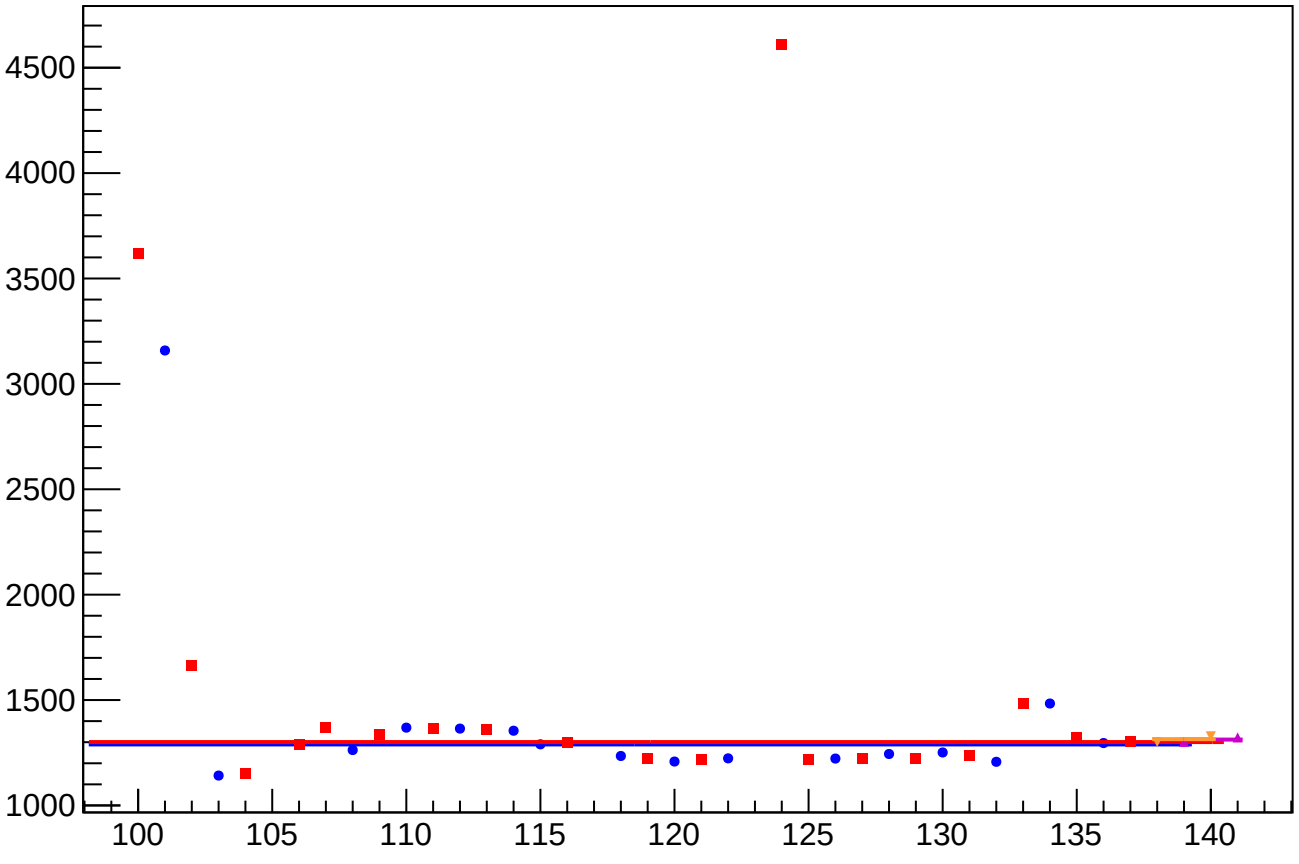
Left: 317.024+/-717.050 χ^2/NDF: 2.4/3

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -211.977+/-311.130 χ^2/NDF: 34.0/38



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

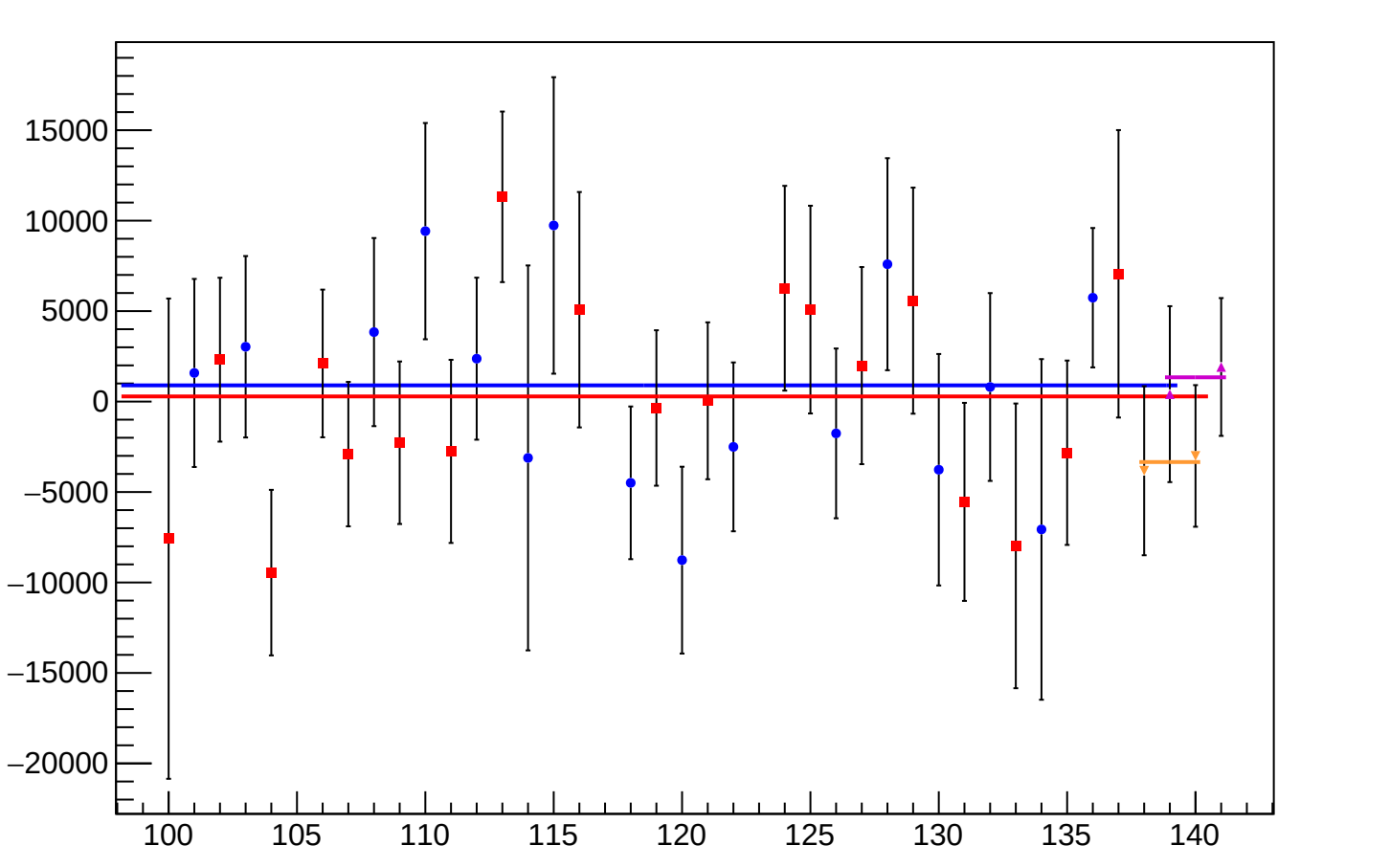
Left: 1313.350+/-0.507 χ^2/NDF: 574.1/3

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1298.524+/-0.220 χ^2/NDF: 842739.8/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

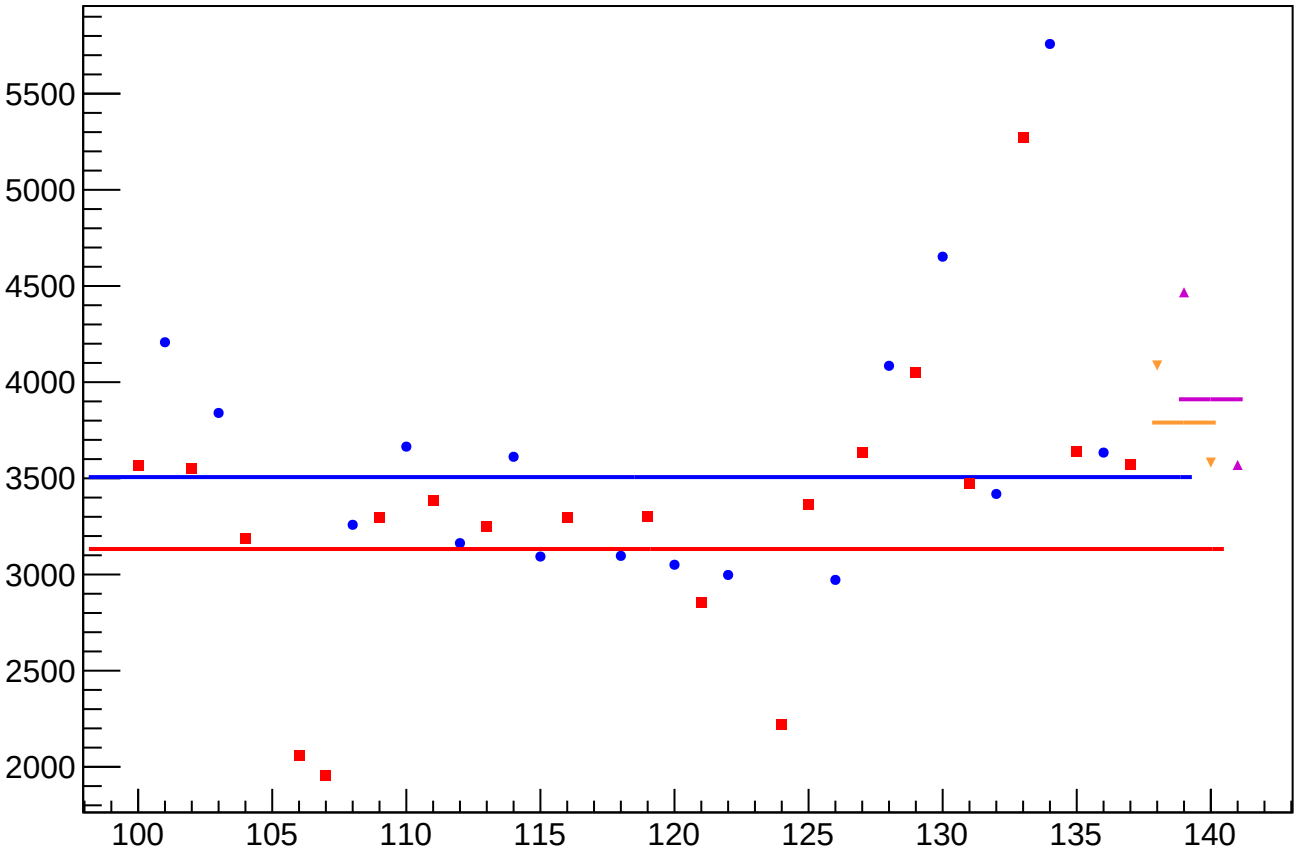
Left: -998.617+/-2121.095 χ^2/NDF: 1.3/3

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 326.210+/-814.771 χ^2/NDF: 34.6/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

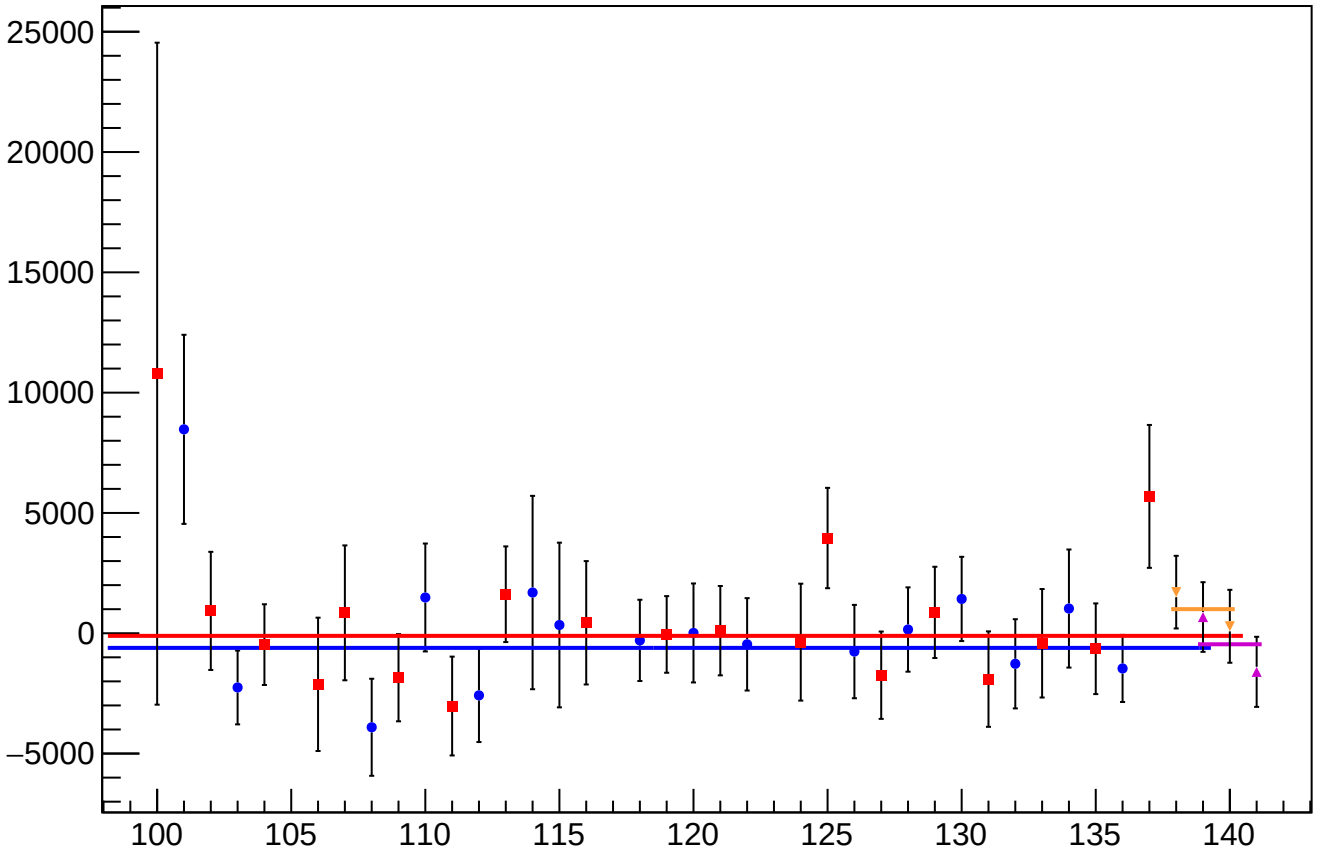
Left: 3850.543+/-1.500 χ^2/NDF: 57588.4/3

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3379.943+/-0.576 χ^2/NDF: 1264547.0/38



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.801+/-1069.457 χ^2/NDF:0.4/1

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -458.128+/-1026.913 χ^2/NDF:1.2/1

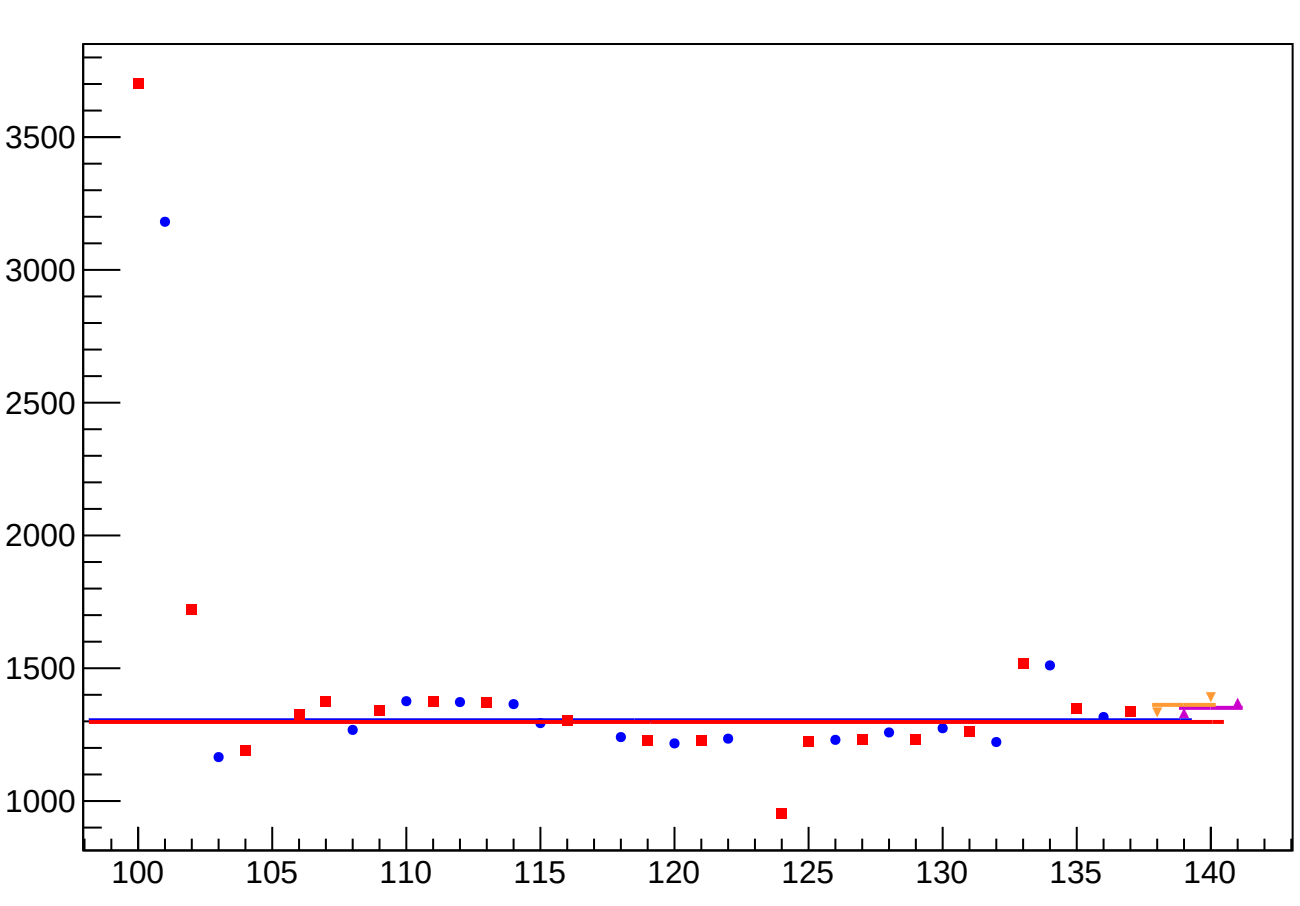
Left: 242.221+/-740.721 χ^2/NDF: 2.6/3

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -579.681+/-445.302 χ^2/NDF:15.4/17

Out: 81.160+/-442.119 χ^2/NDF:16.2/20

All: -246.890+/-313.745 χ^2/NDF: 32.7/38



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1350.869+/-0.726 χ^2/NDF:712.8/1

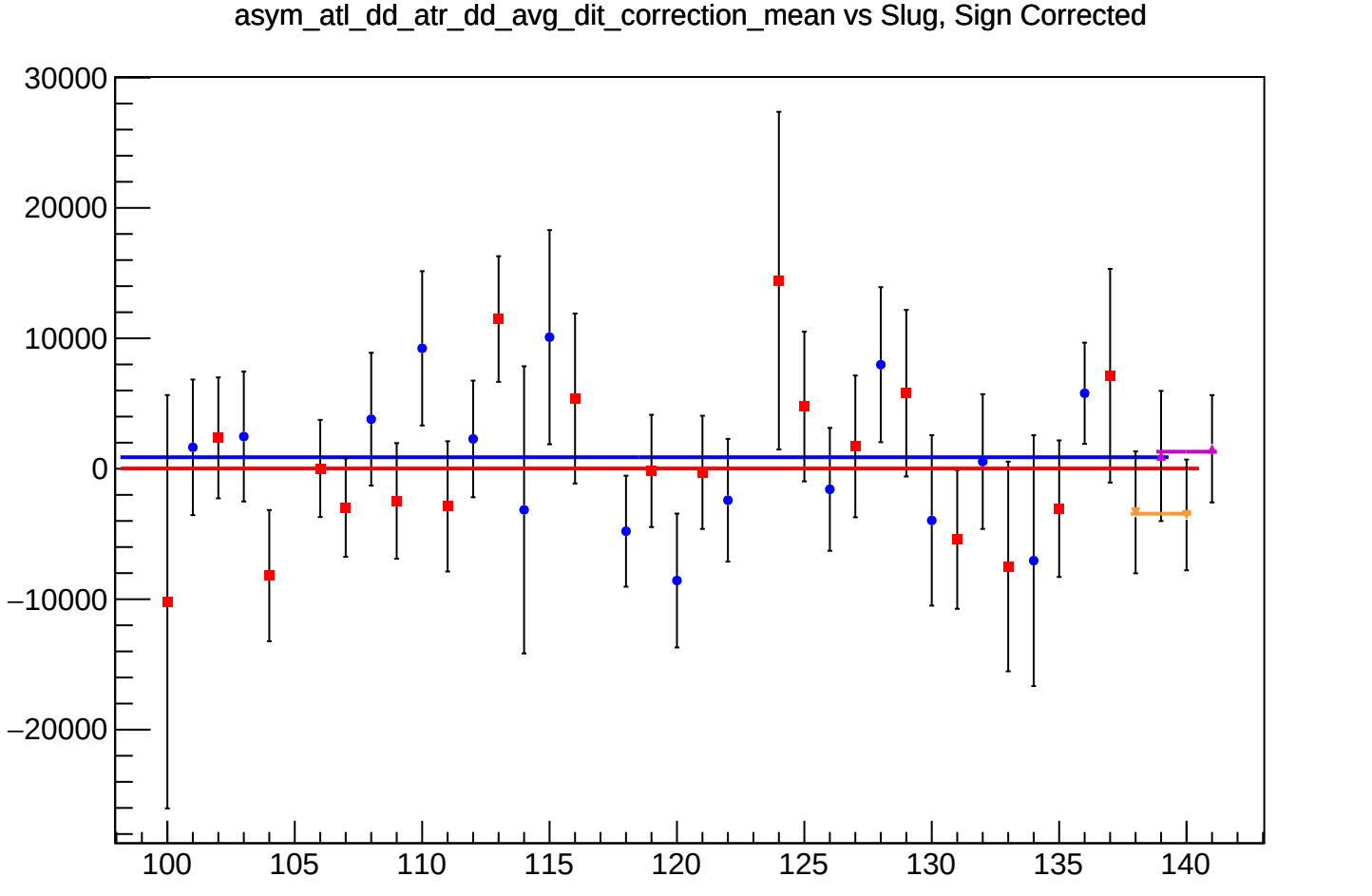
Left: 1356.245+/-0.524 χ^2/NDF: 2267.9/3

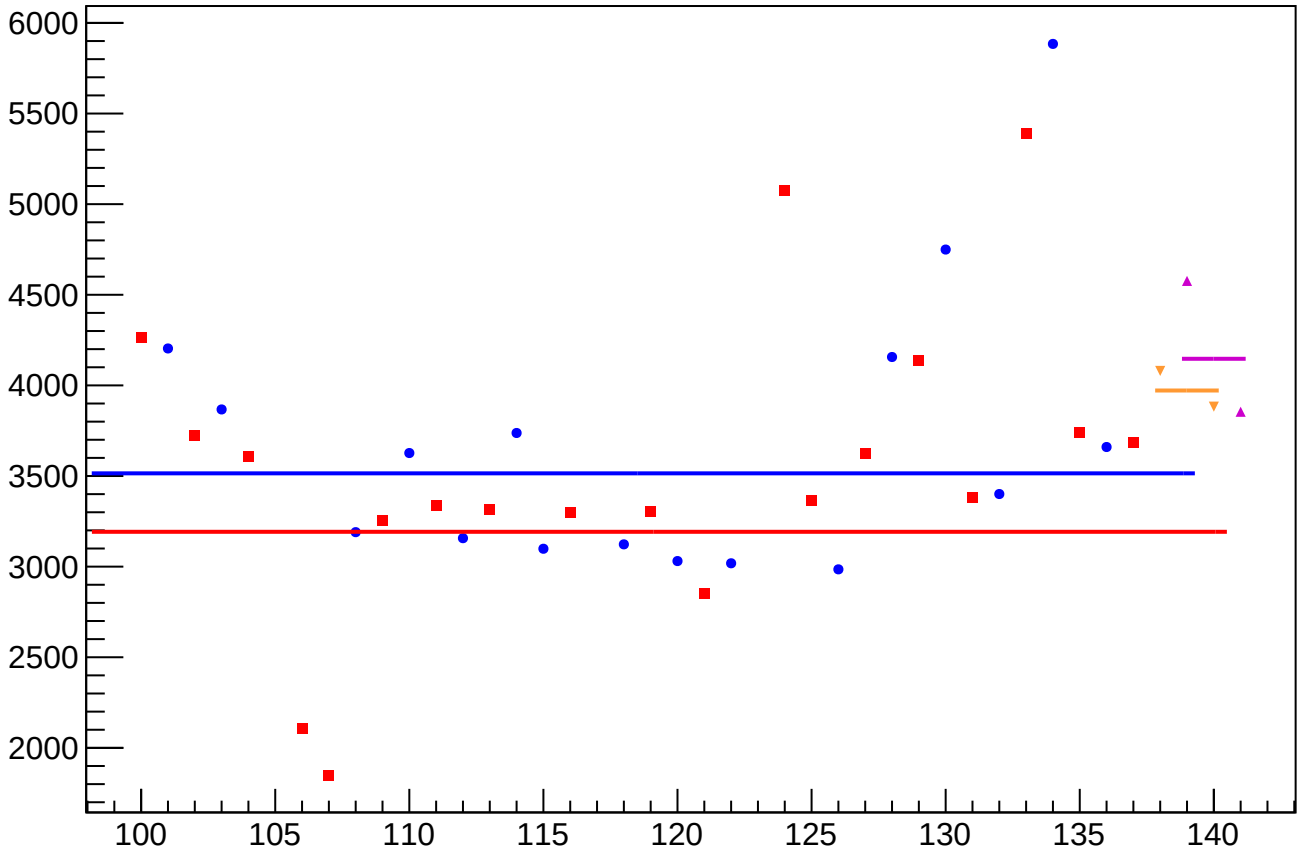
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1312.896+/-0.315 χ^2/NDF:514670.3/17

Out: 1308.768+/-0.312 χ^2/NDF:220529.6/20

All: 1310.816+/-0.222 χ^2/NDF: 735286.5/38


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -3448.190+/-3141.914 χ²/NDF:0.0/1
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: 1309.261+/-3173.459 χ²/NDF:0.0/1
Left: -1093.227+/-2232.738 χ²/NDF: 1.1/3
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 947.373+/-1224.588 χ²/NDF:14.1/17
Out: -420.925+/-1121.031 χ²/NDF:17.9/20
All: 202.933+/-826.880 χ²/NDF: 32.7/38



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3971.800+/-2.222 χ^2/NDF:1950.7/1

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4146.801+/-2.244 χ^2/NDF:24941.6/1

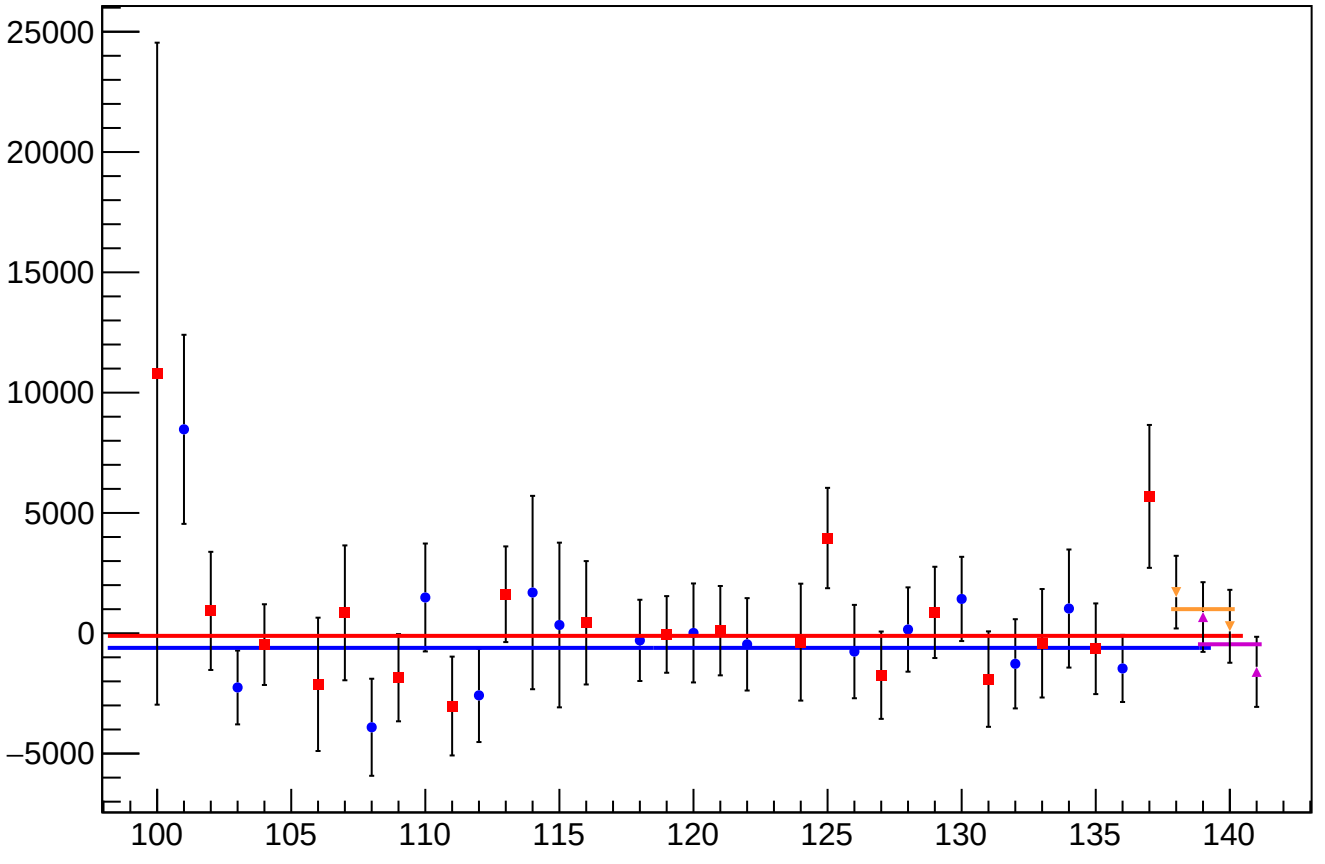
Left: 4058.426+/-1.579 χ^2/NDF: 29963.7/3

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3608.863+/-0.866 χ^2/NDF:467543.2/17

Out: 3291.450+/-0.793 χ^2/NDF:881905.4/20

All: 3436.170+/-0.585 χ^2/NDF: 1422553.7/38



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.798+/-1069.458 χ^2/NDF:0.4/1

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -458.120+/-1026.914 χ^2/NDF:1.2/1

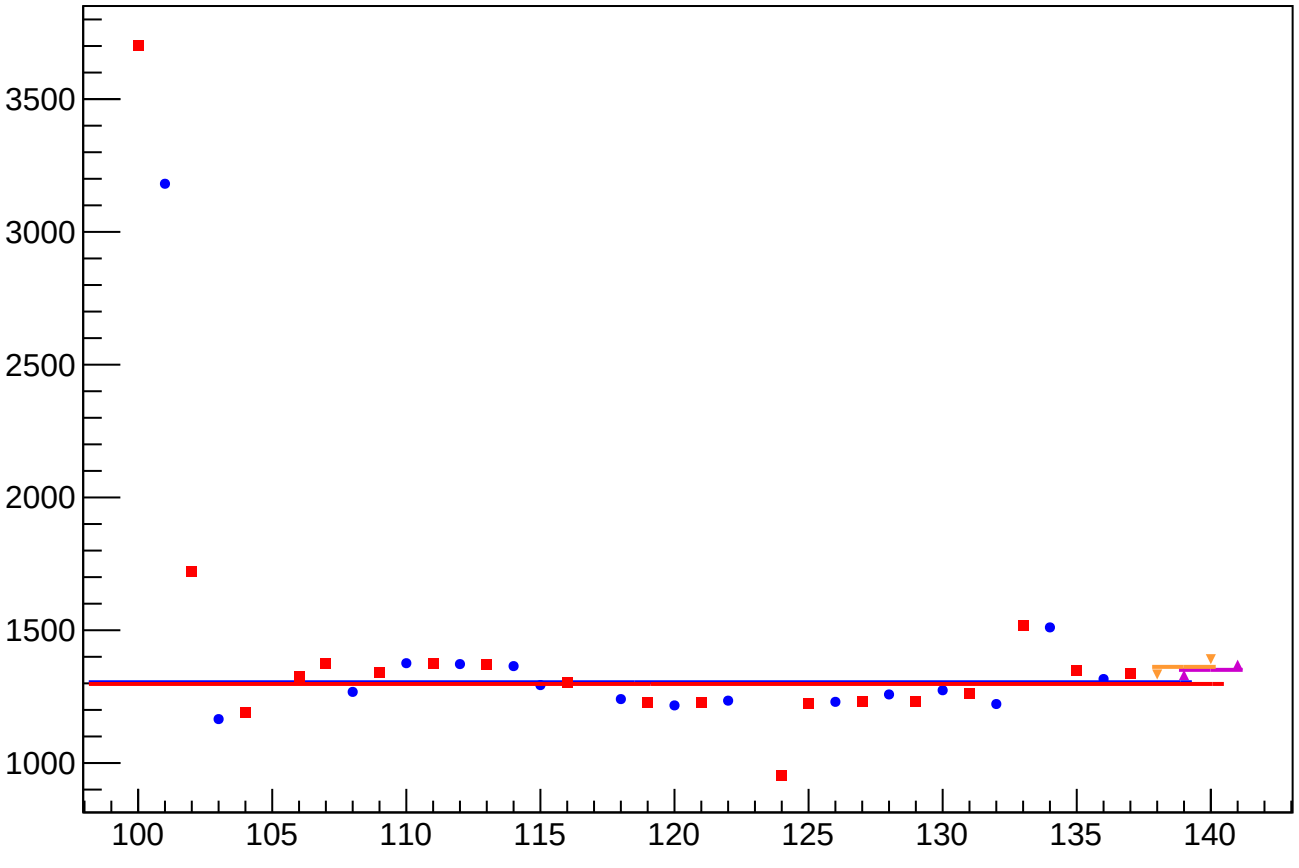
Left: 242.224+/-740.722 χ^2/NDF: 2.6/3

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -579.682+/-445.302 χ^2/NDF:15.4/17

Out: 81.155+/-442.119 χ^2/NDF:16.2/20

All: -246.893+/-313.745 χ^2/NDF: 32.7/38



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1350.870+/-0.726 χ^2/NDF:712.8/1

Left: 1356.246+/-0.524 χ^2/NDF: 2267.9/3

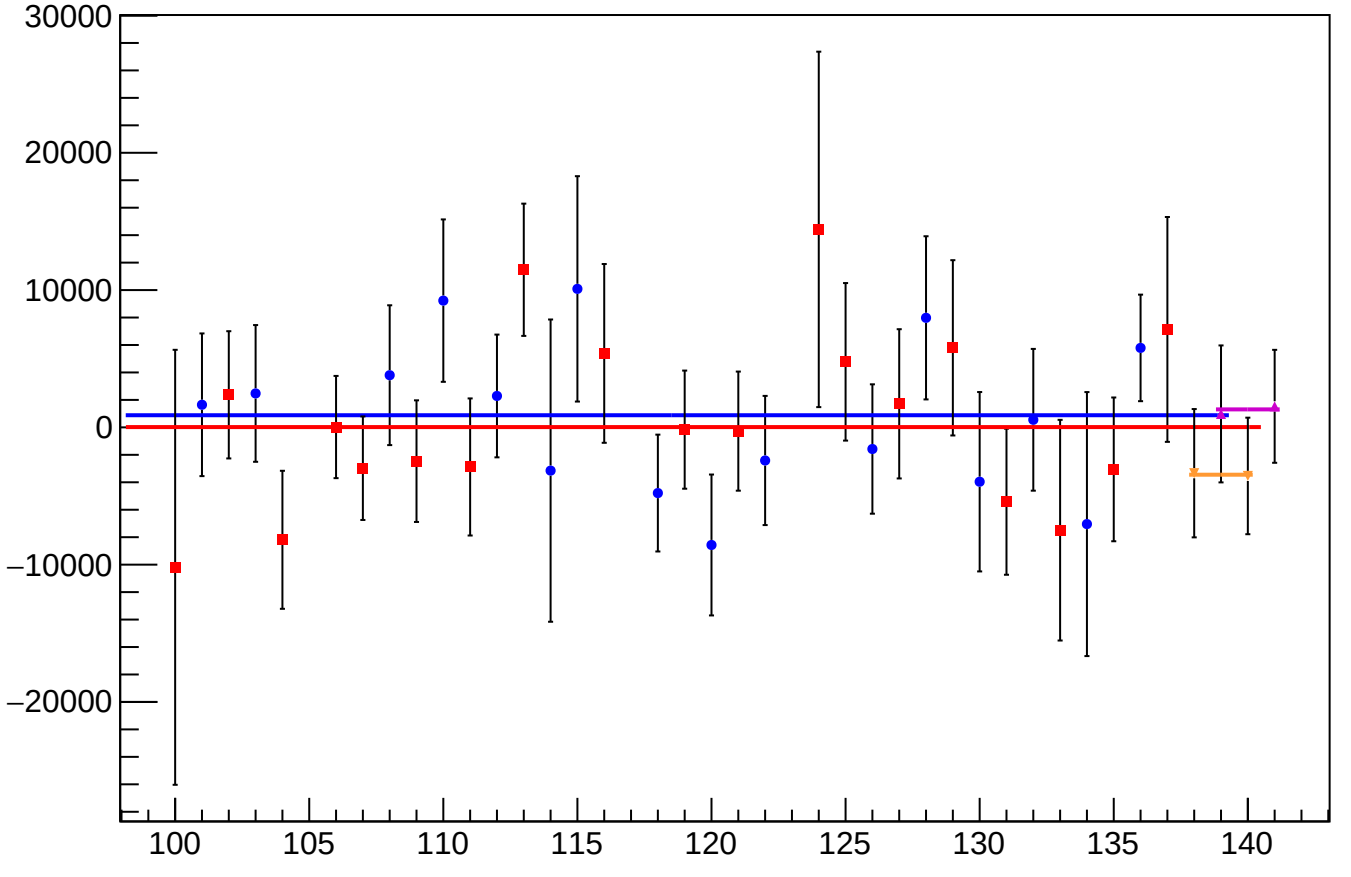
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1312.896+/-0.315 χ^2/NDF:514670.6/17

Out: 1308.768+/-0.312 χ^2/NDF:220529.8/20

All: 1310.816+/-0.222 χ^2/NDF: 735286.9/38

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3448.191+/-3141.919 χ^2/NDF:0.0/1

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1309.271+/-3173.463 χ^2/NDF:0.0/1

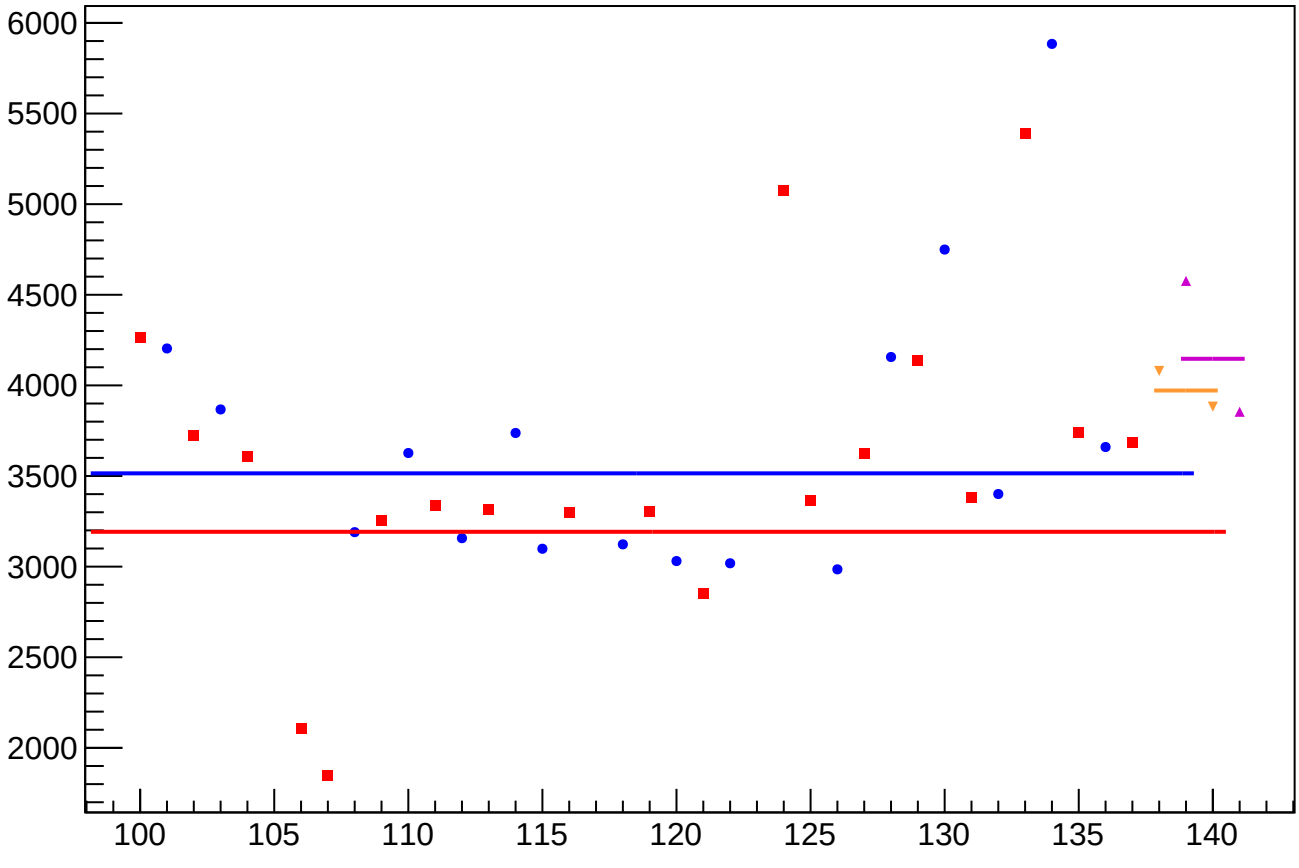
Left: -1093.222+/-2232.741 χ^2/NDF: 1.1/3

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 947.365+/-1224.586 χ^2/NDF:14.1/17

Out: -420.926+/-1121.029 χ^2/NDF:17.9/20

All: 202.929+/-826.878 χ^2/NDF: 32.7/38



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3971.806+/-2.222 χ^2/NDF:1950.9/1

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4146.807+/-2.244 χ^2/NDF:24942.3/1

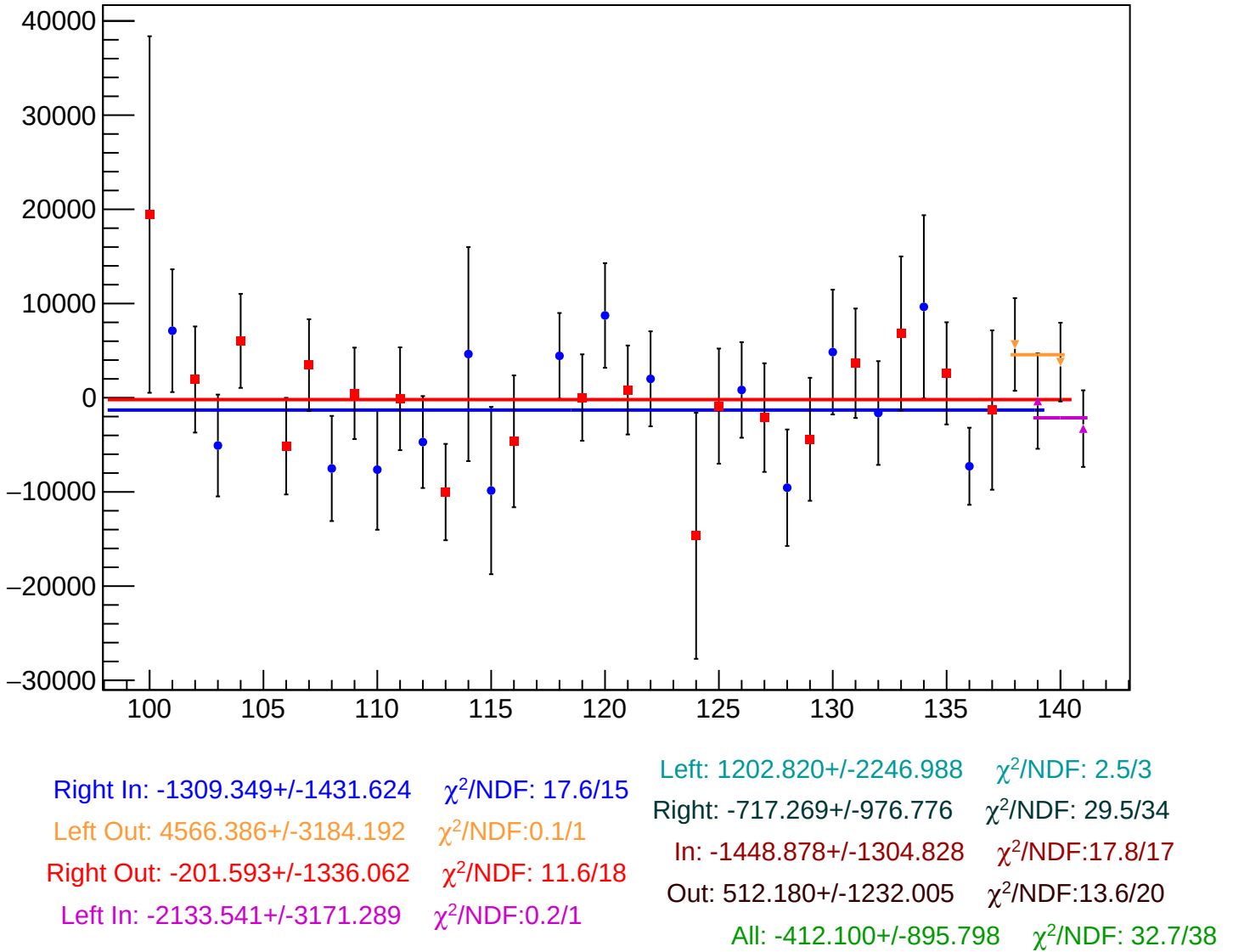
Left: 4058.432+/-1.579 χ^2/NDF: 29964.5/3

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

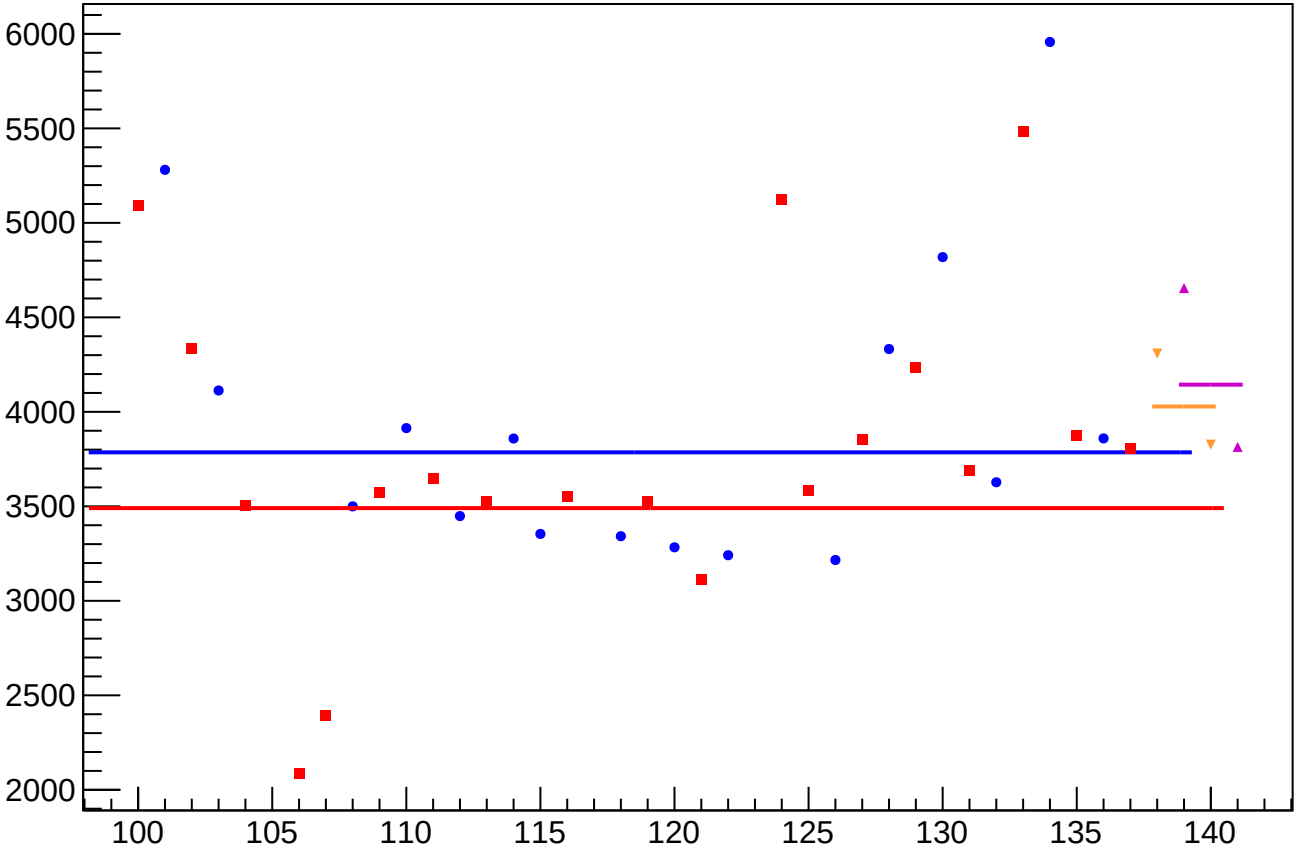
In: 3608.855+/-0.866 χ^2/NDF:467551.1/17

Out: 3291.444+/-0.793 χ^2/NDF:881911.5/20

All: 3436.163+/-0.585 χ^2/NDF: 1422567.6/38


asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 4566.386+/-3184.192 χ²/NDF:0.1/1
Right Out: -201.593+/-1336.062 χ²/NDF: 11.6/18
Left In: -2133.541+/-3171.289 χ²/NDF:0.2/1
Left: 1202.820+/-2246.988 χ²/NDF: 2.5/3
Right: -717.269+/-976.776 χ²/NDF: 29.5/34
In: -1448.878+/-1304.828 χ²/NDF:17.8/17
Out: 512.180+/-1232.005 χ²/NDF:13.6/20
All: -412.100+/-895.798 χ²/NDF: 32.7/38

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF:11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4143.971+/-2.242 χ^2/NDF:33477.9/1

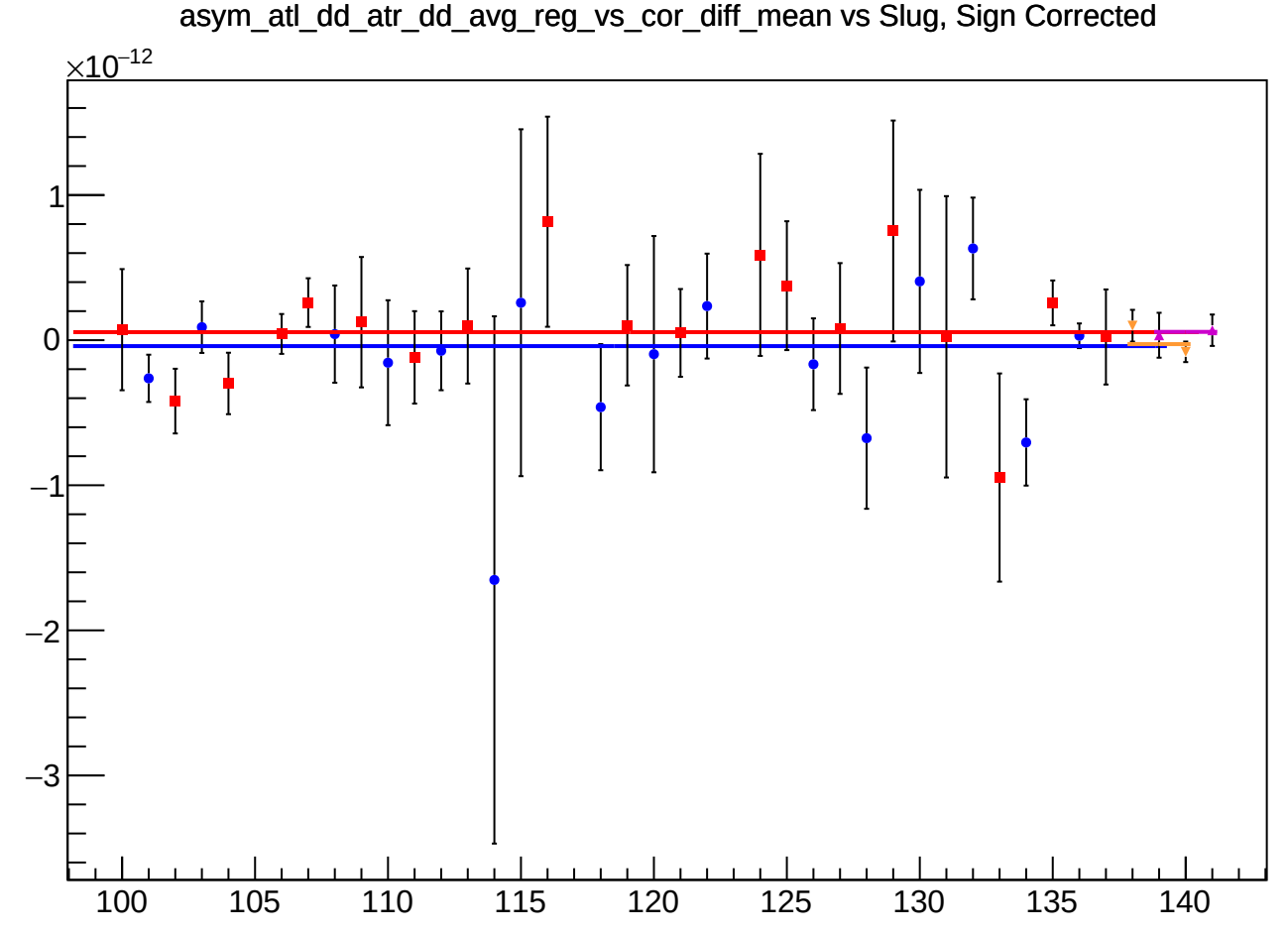
Left: 4086.403+/-1.589 χ^2/NDF: 45966.0/3

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3846.413+/-0.923 χ^2/NDF:437666.8/17

Out: 3569.255+/-0.861 χ^2/NDF:646579.8/20

All: 3698.271+/-0.629 χ^2/NDF: 1132478.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

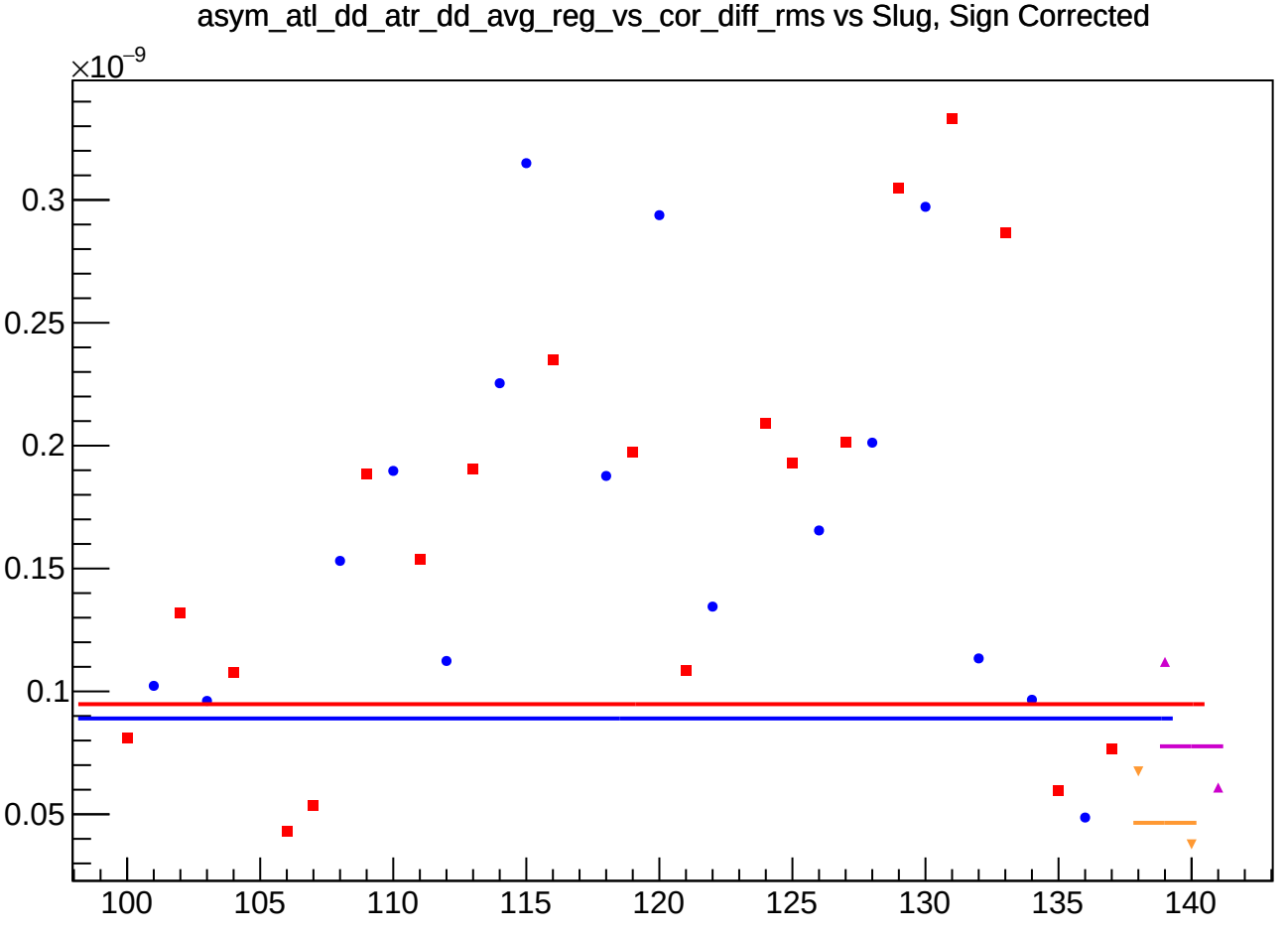
Left: -0.000+/-0.000 χ^2/NDF: 2.6/3

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:17.5/17

Out: 0.000+/-0.000 χ^2/NDF:18.7/20

All: 0.000+/-0.000 χ^2/NDF: 36.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:103730.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:146700.5/1

Left: 0.000+/-0.000 χ^2/NDF: 420555.6/3

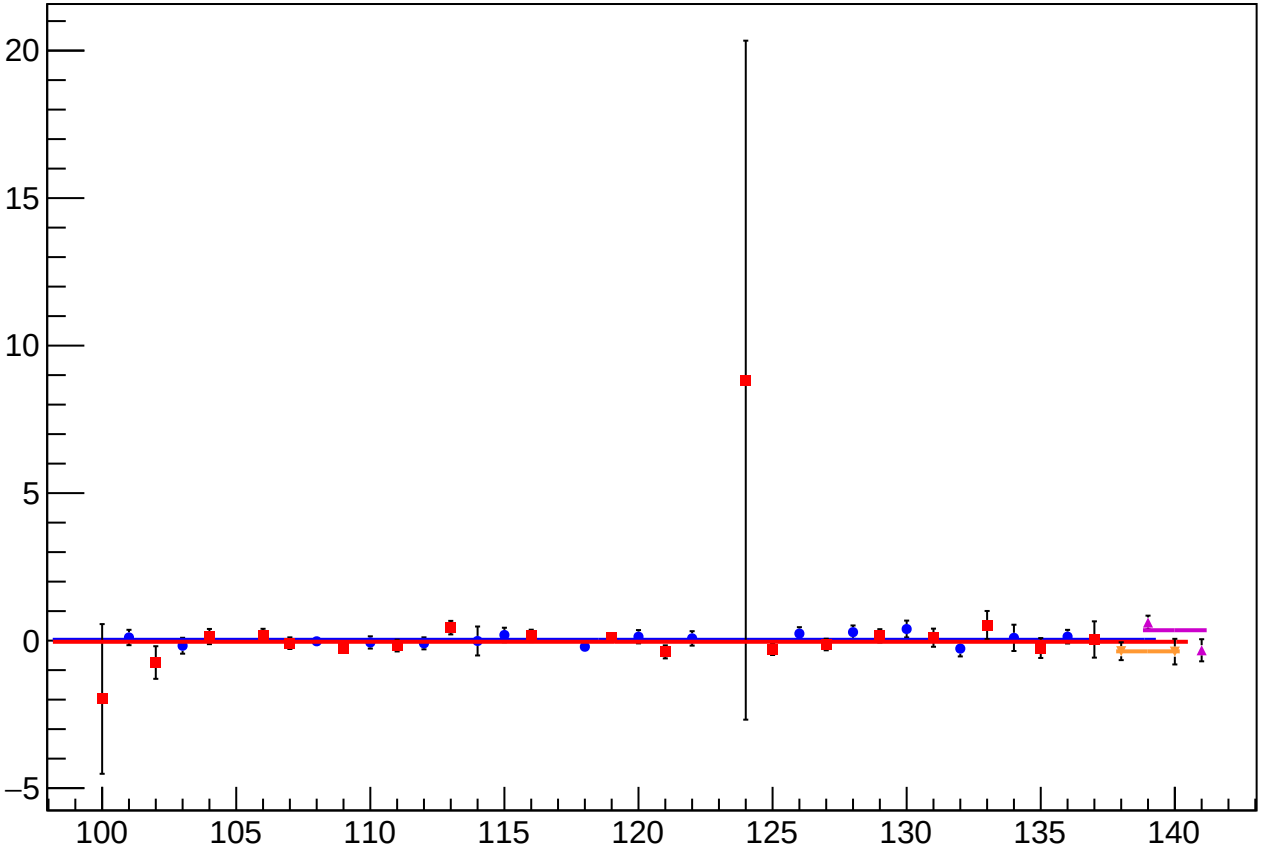
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1630065.3/17

Out: 0.000+/-0.000 χ^2/NDF:2449683.3/20

All: 0.000+/-0.000 χ^2/NDF: 4207660.4/38

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

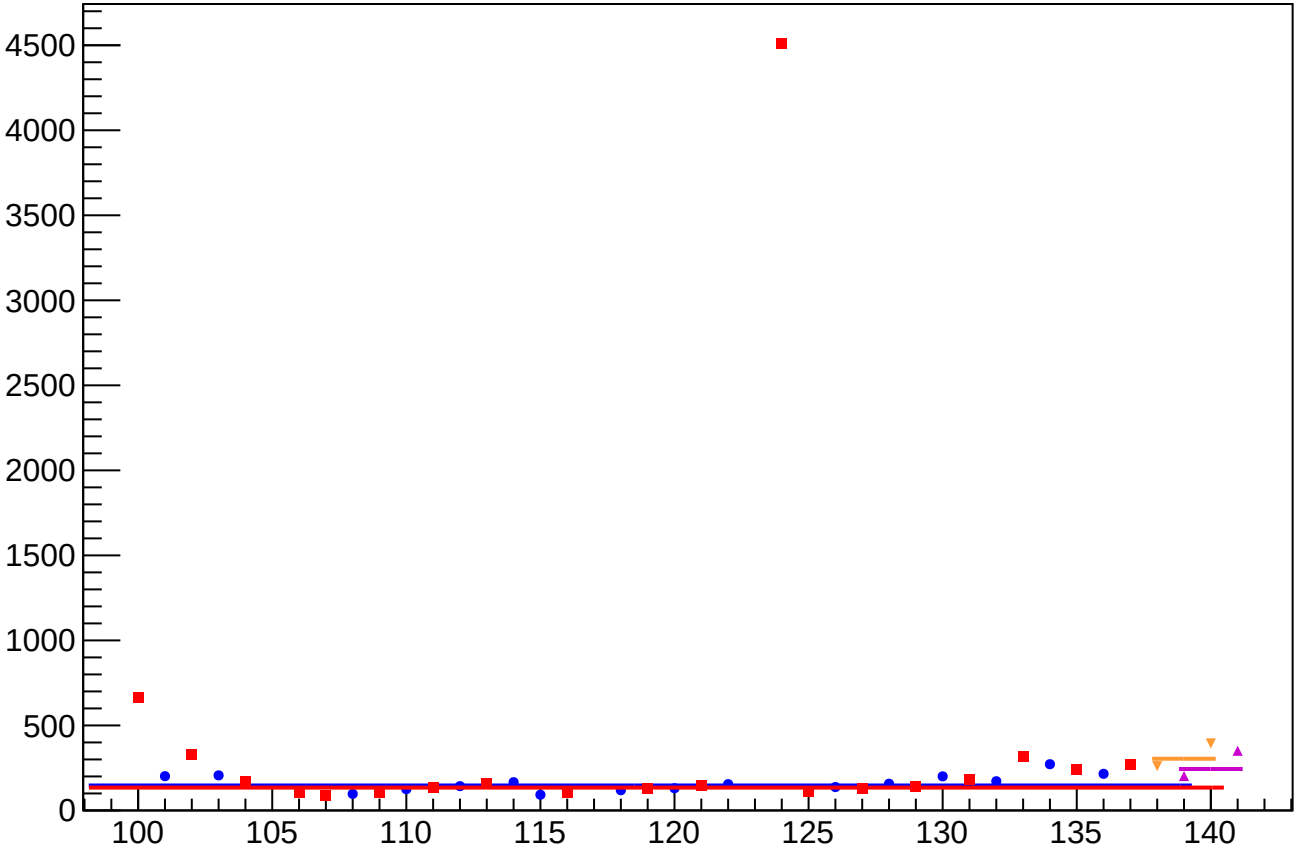
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

Left: 267.275+/-0.109 χ^2/NDF: 426951.7/3

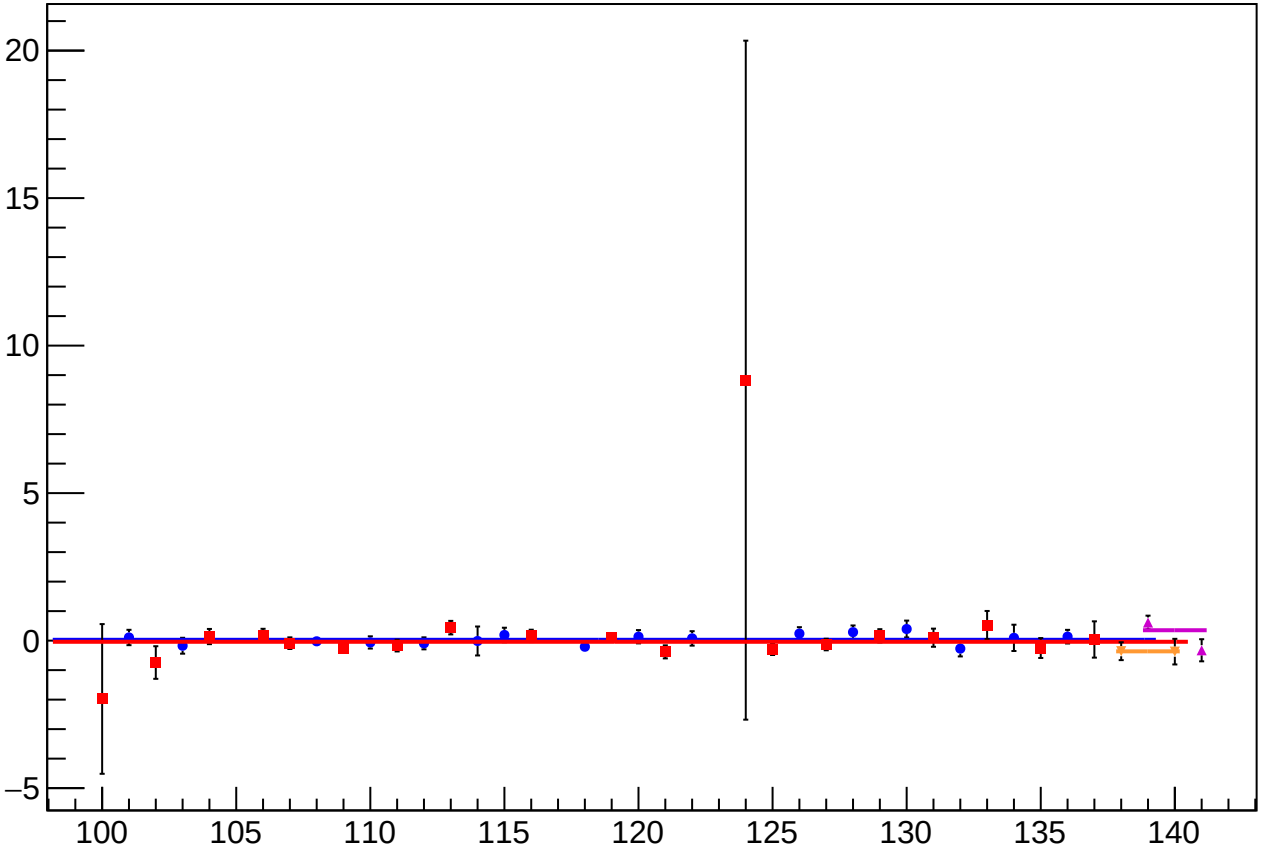
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344358.7/38

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

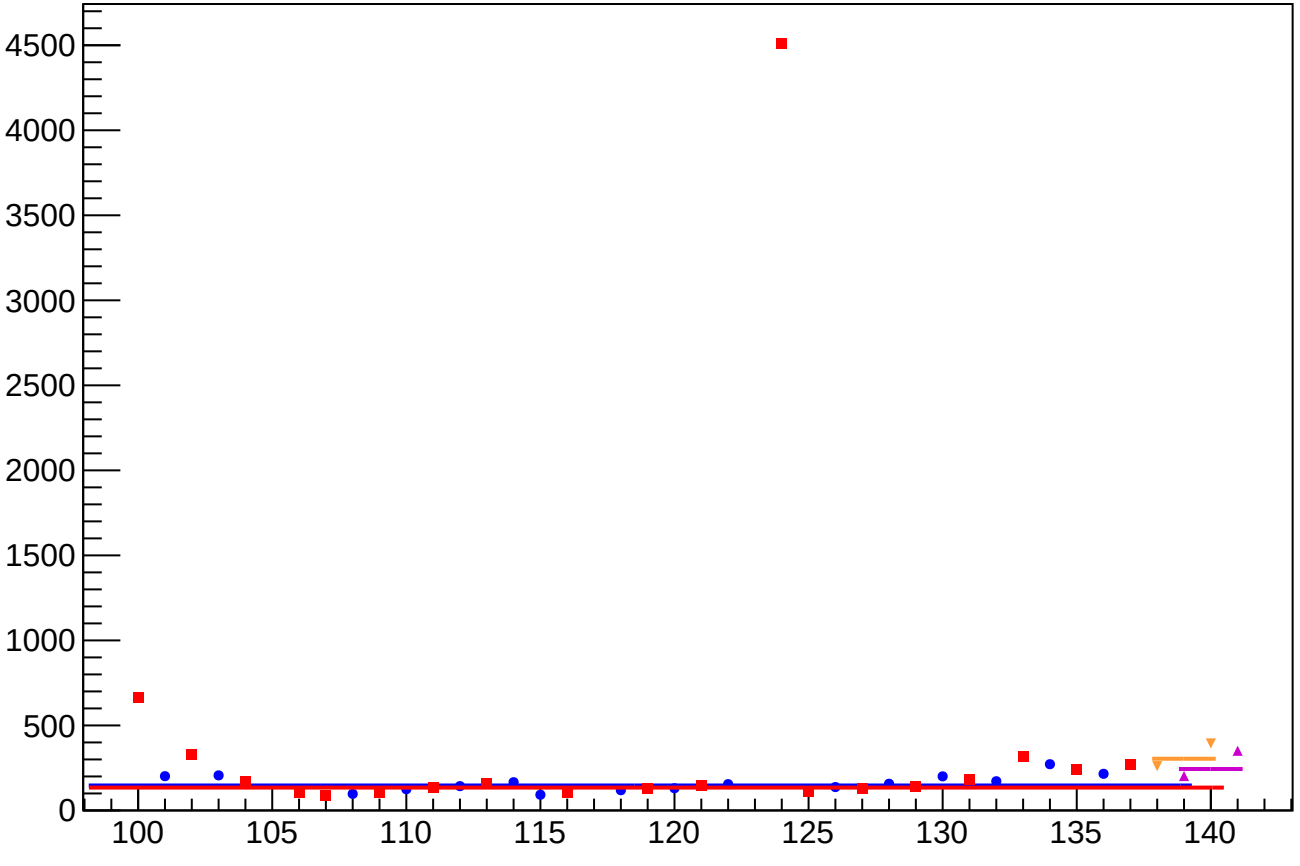
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

Left: 267.275+/-0.109 χ^2/NDF: 426951.7/3

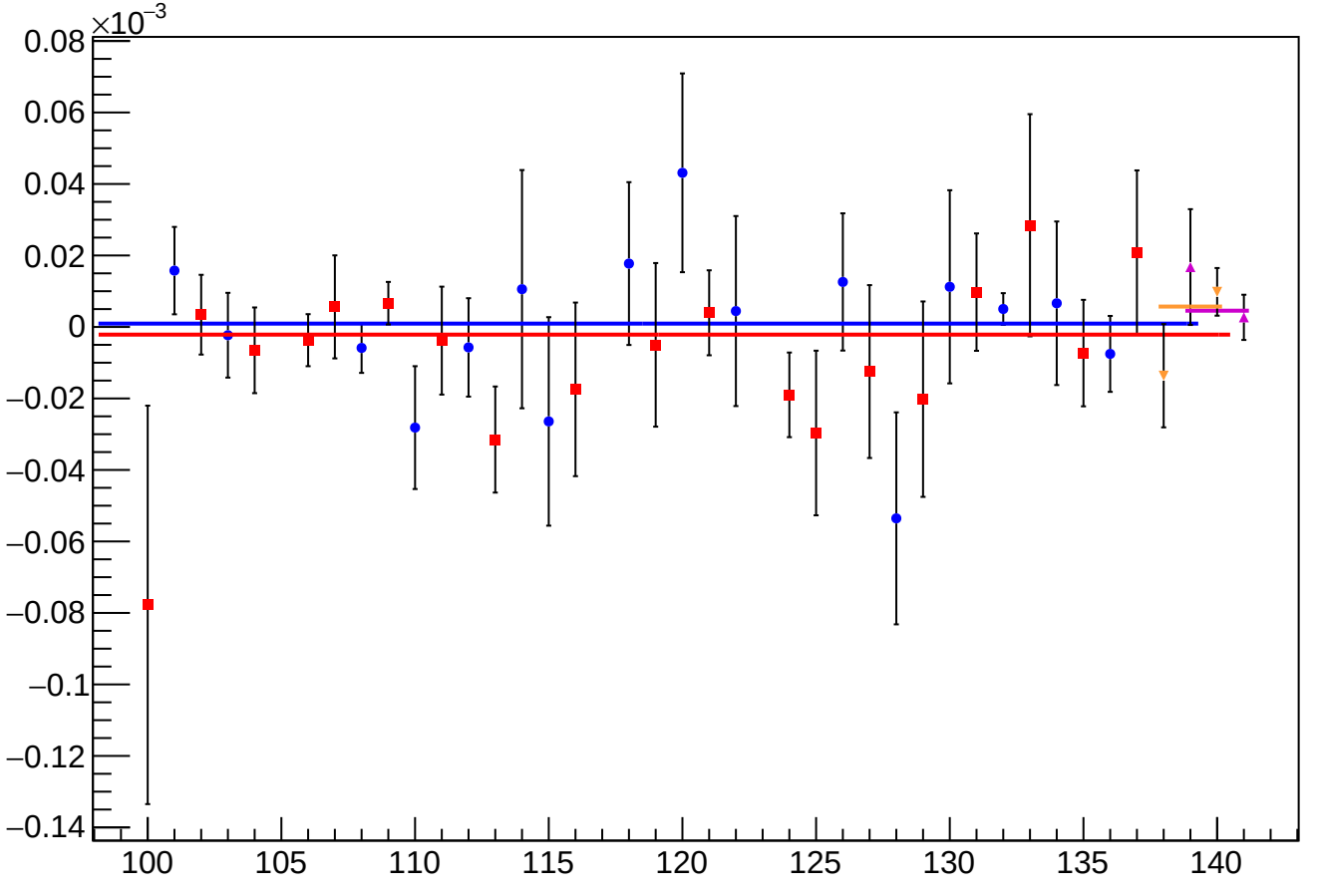
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344358.7/38

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

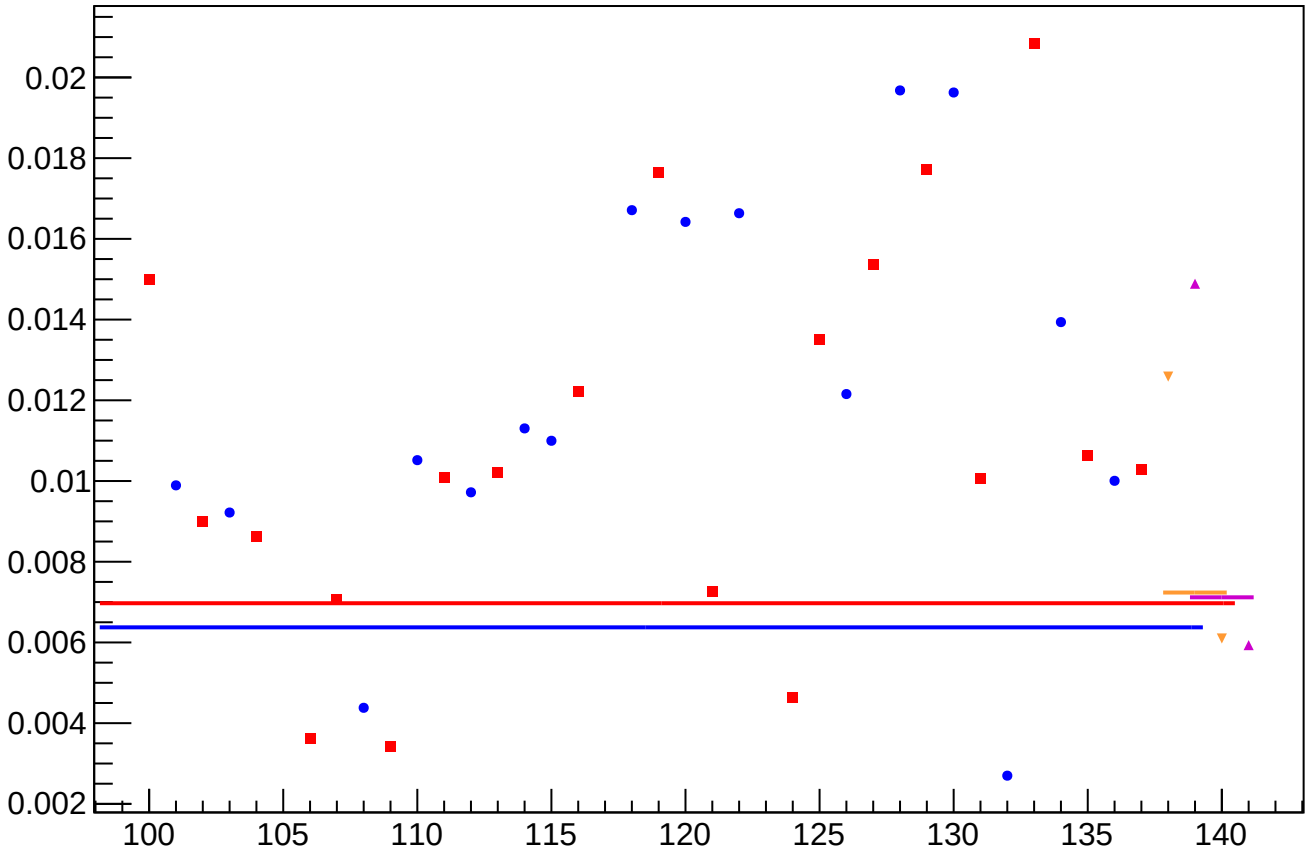
Left: 0.000+/-0.000 χ^2/NDF: 2.8/3

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:15.8/17

Out: -0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 35.7/38



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:332465.0/1

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:530472.1/1

Left: 0.007+/-0.000 χ^2/NDF: 863330.2/3

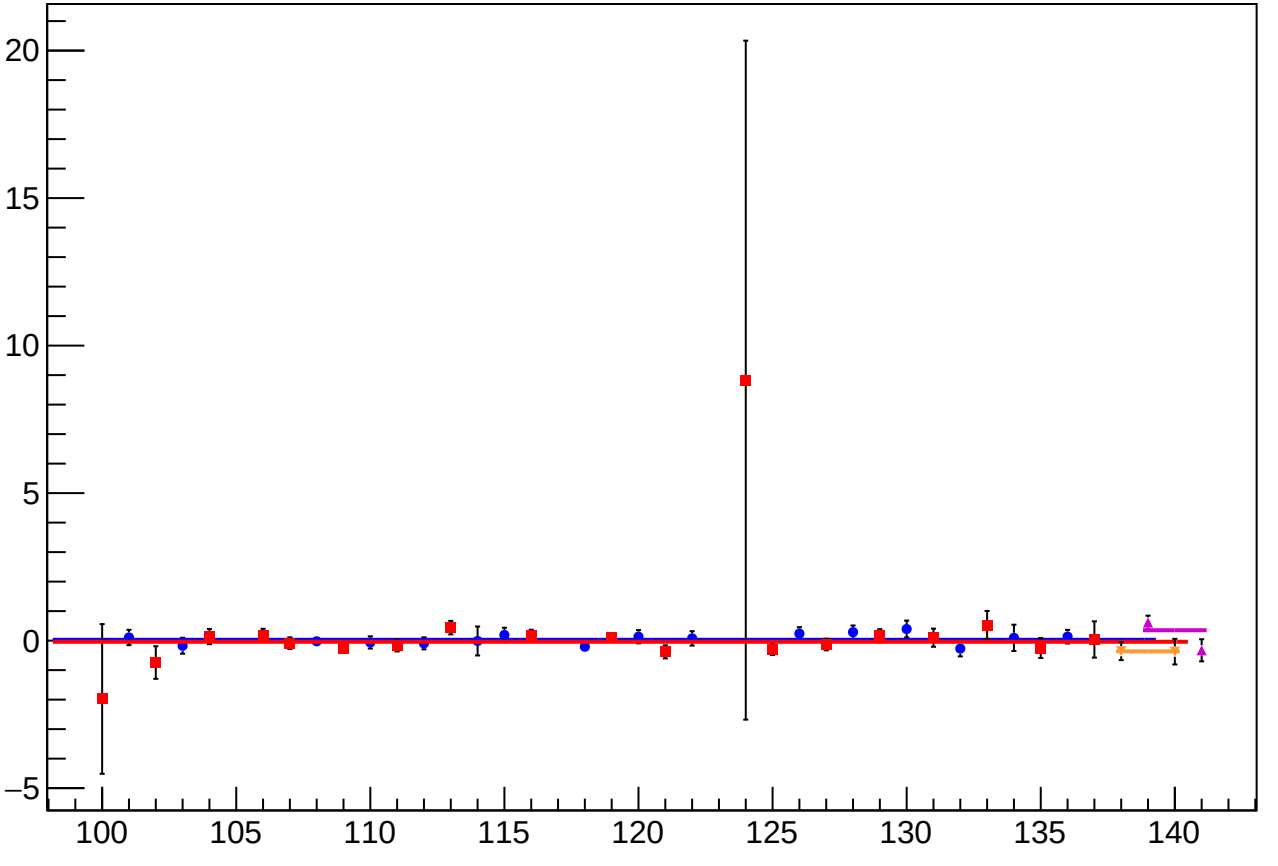
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5195831.4/17

Out: 0.007+/-0.000 χ^2/NDF:3745475.8/20

All: 0.007+/-0.000 χ^2/NDF: 8977044.0/38

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

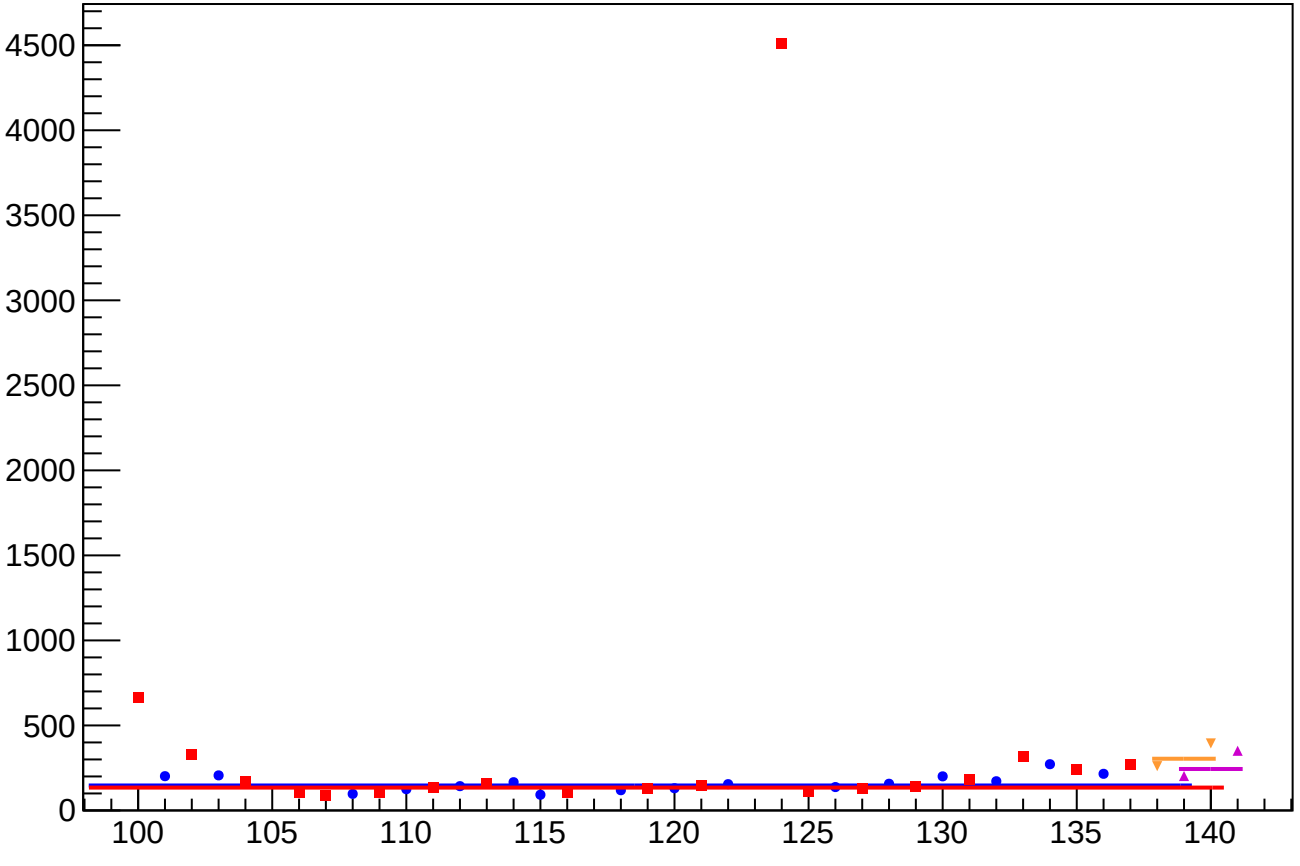
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

Left: 267.279+/-0.109 χ^2/NDF: 426930.2/3

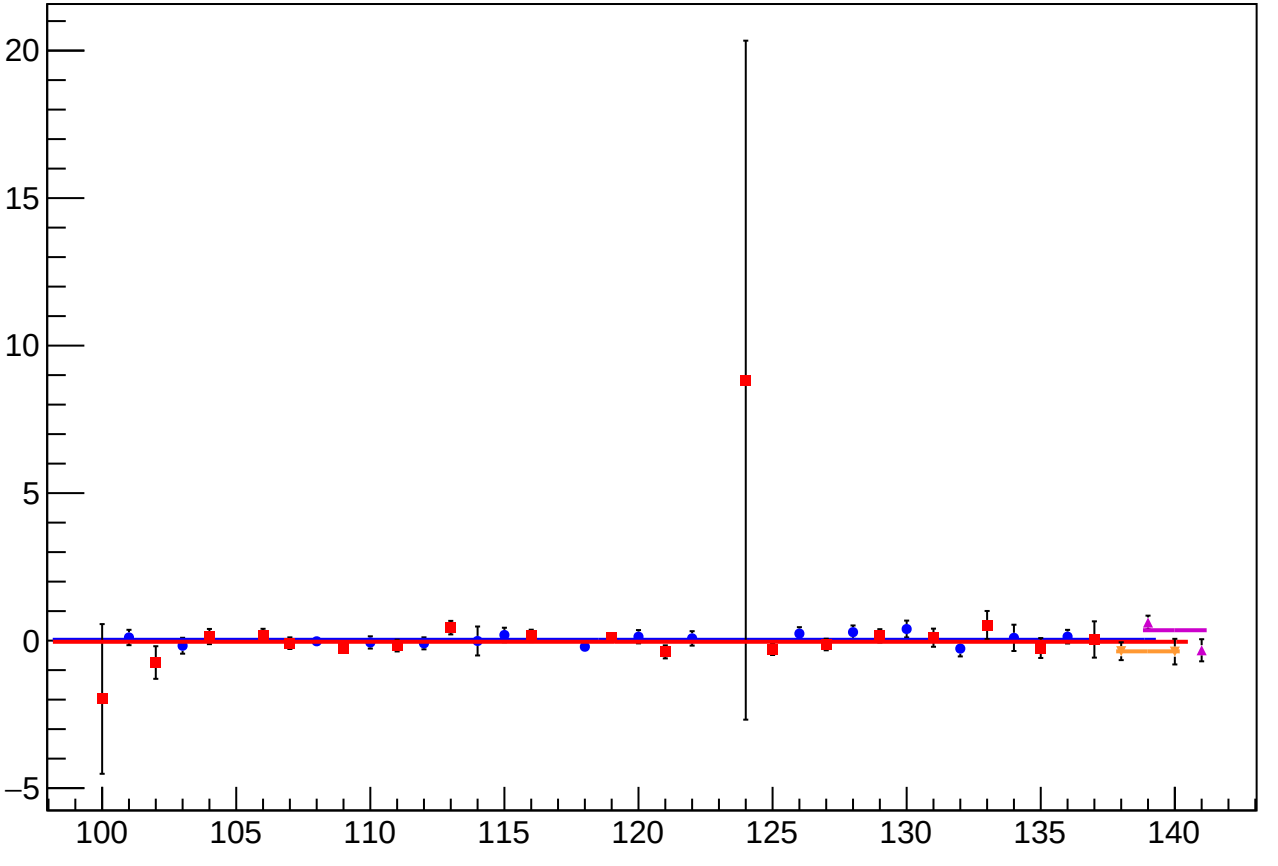
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344233.6/38

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

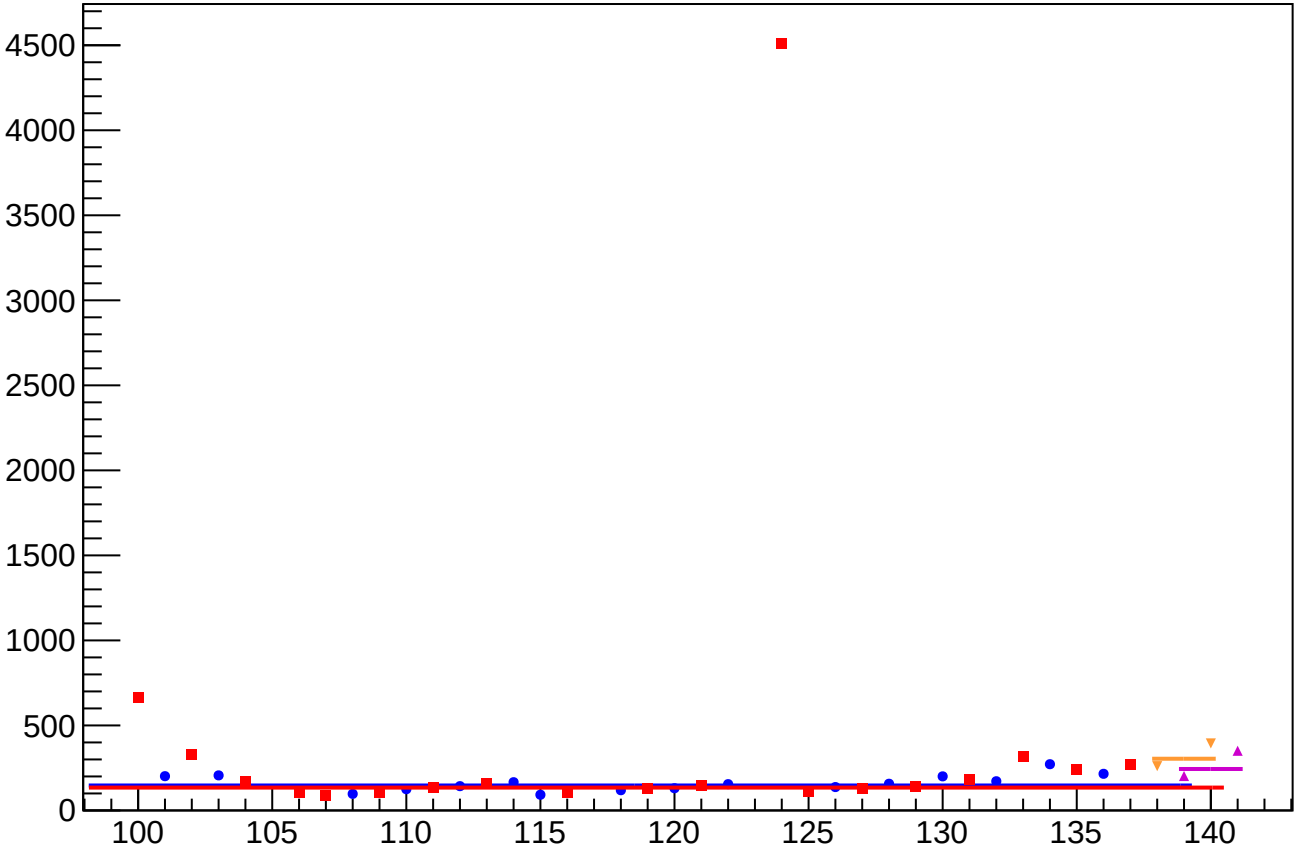
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

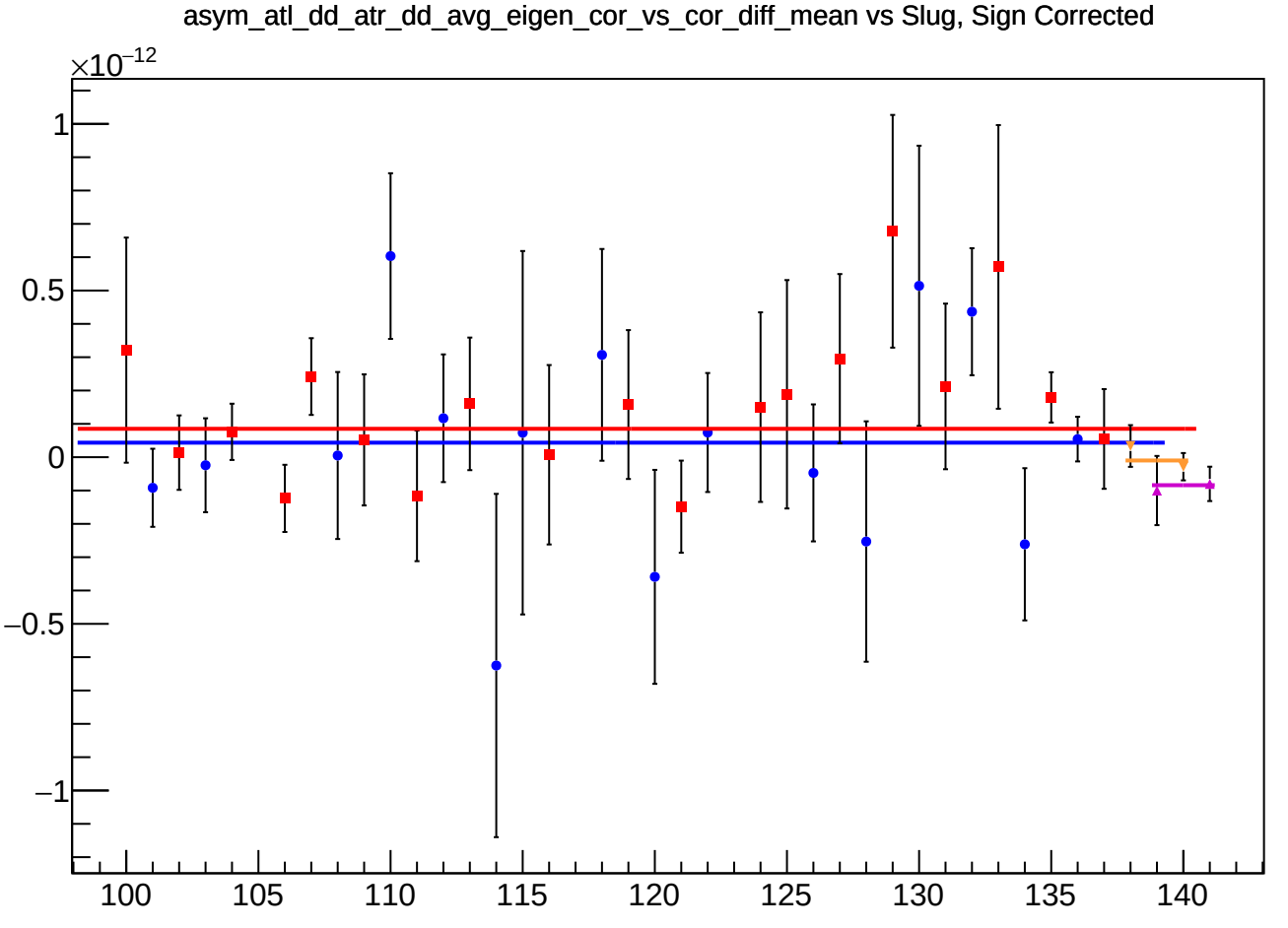
Left: 267.279+/-0.109 χ^2/NDF: 426930.2/3

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344233.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

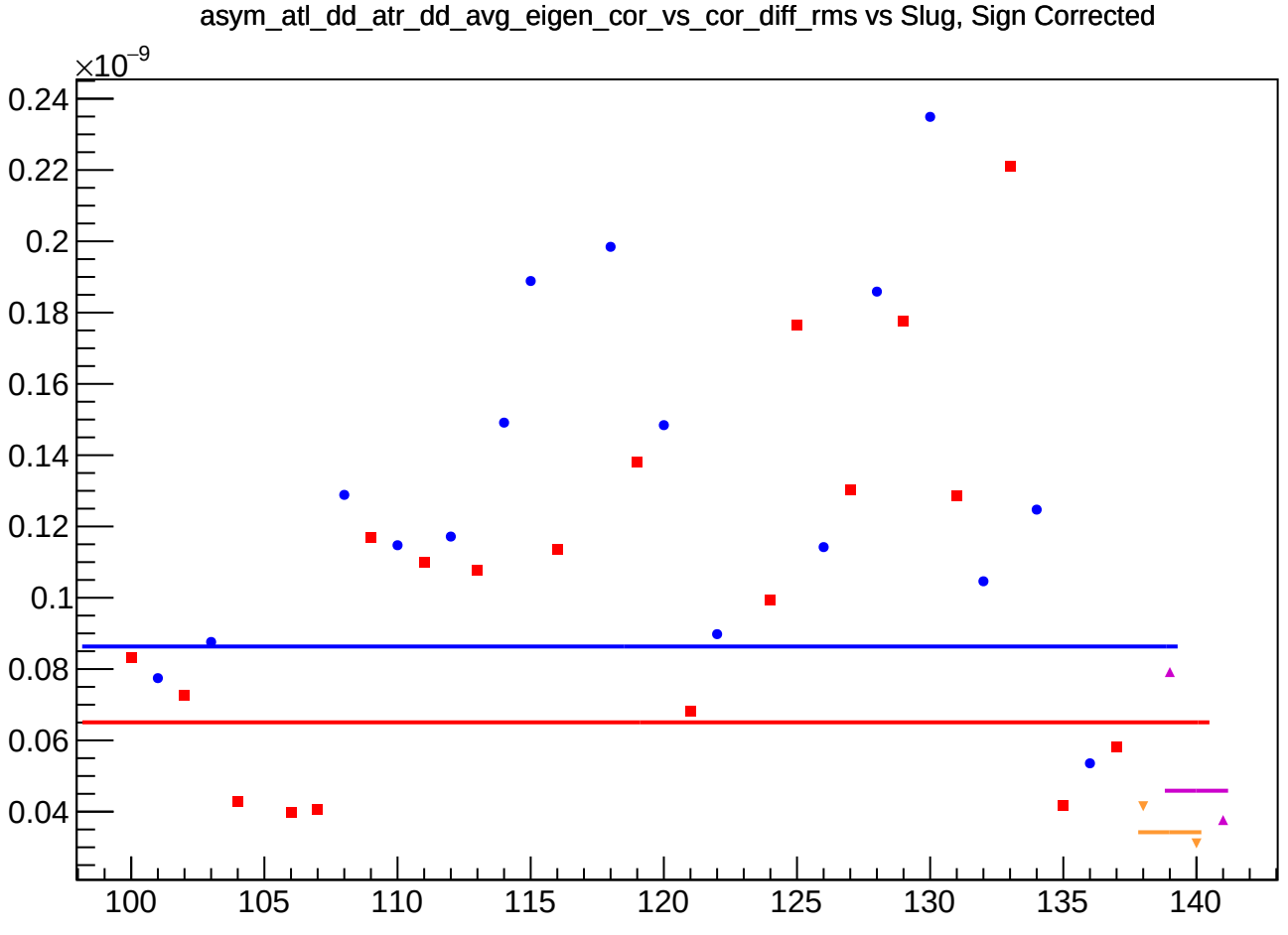
Left: -0.000+/-0.000 χ^2/NDF: 2.4/3

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:23.1/17

Out: 0.000+/-0.000 χ^2/NDF:22.7/20

All: 0.000+/-0.000 χ^2/NDF: 47.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:38834.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:256625.8/1

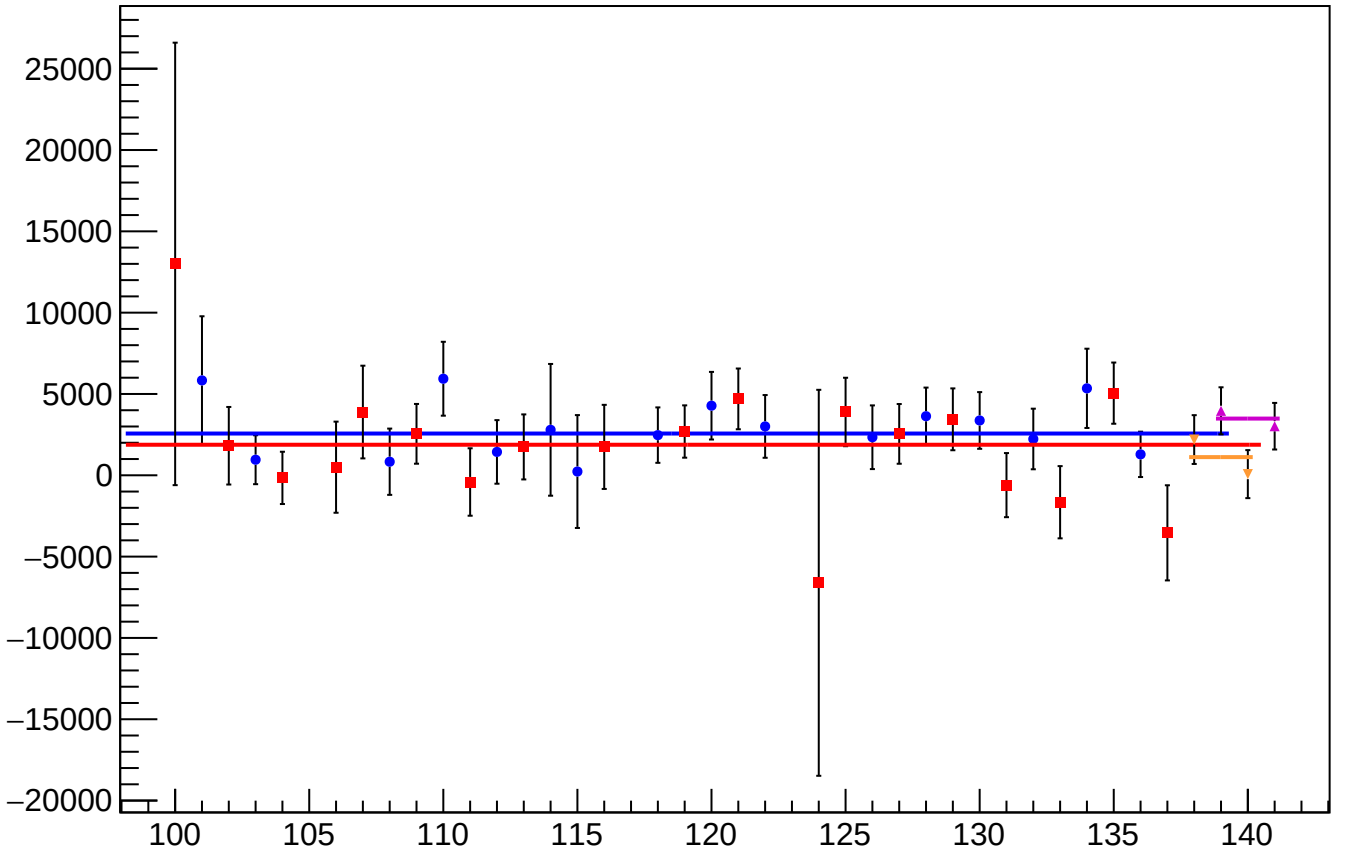
Left: 0.000+/-0.000 χ^2/NDF: 377428.1/3

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2649362.1/17

Out: 0.000+/-0.000 χ^2/NDF:3007864.6/20

All: 0.000+/-0.000 χ^2/NDF: 6070234.1/38



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1117.388+/-1052.039 χ^2/NDF:1.0/1

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 3486.669+/-1017.829 χ^2/NDF:0.2/1

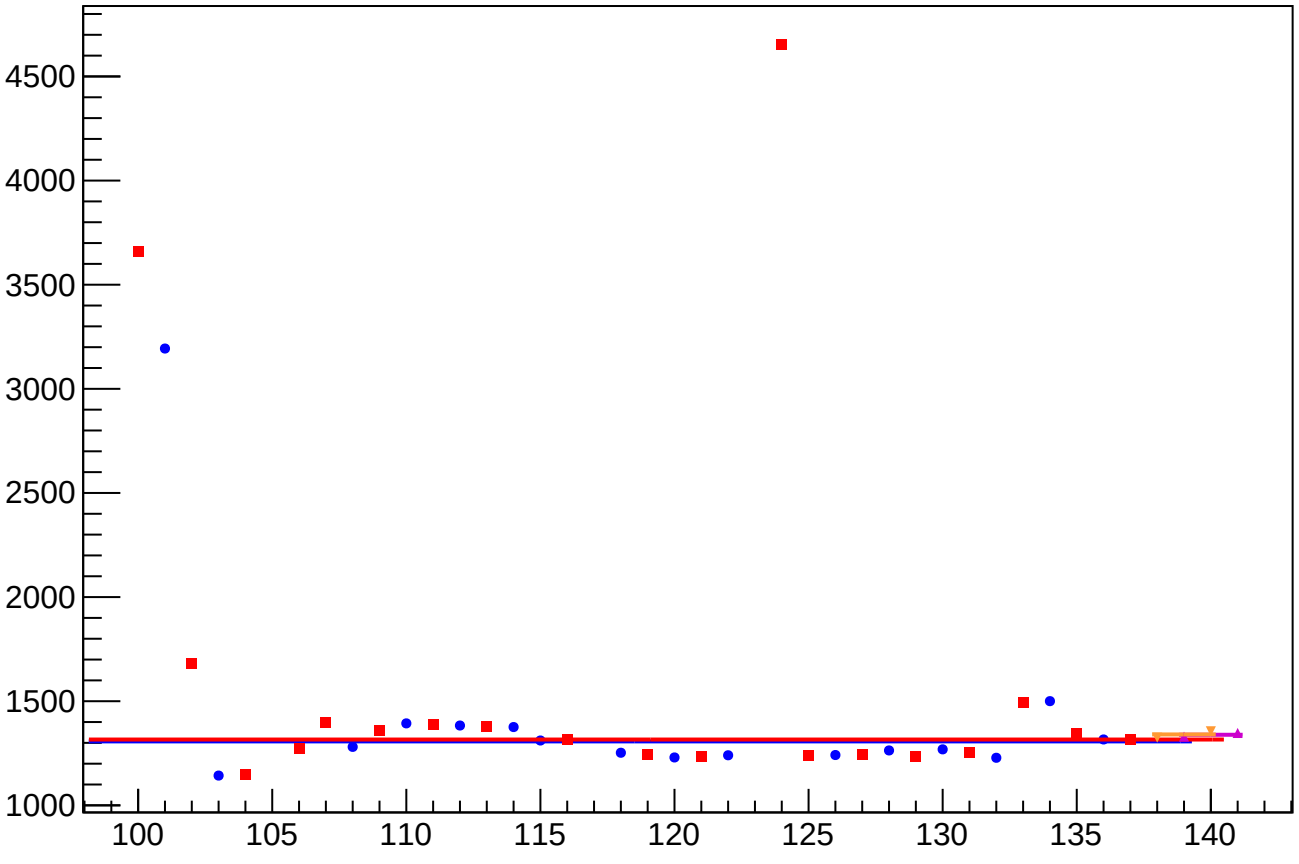
Left: 2341.176+/-731.509 χ^2/NDF: 3.9/3

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2743.492+/-445.414 χ^2/NDF:9.9/17

Out: 1740.286+/-447.690 χ^2/NDF:21.0/20

All: 2244.446+/-315.757 χ^2/NDF: 33.4/38



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1340.454+/-0.744 χ^2/NDF:419.7/1

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1338.861+/-0.720 χ^2/NDF:149.6/1

Left: 1339.631+/-0.517 χ^2/NDF: 571.7/3

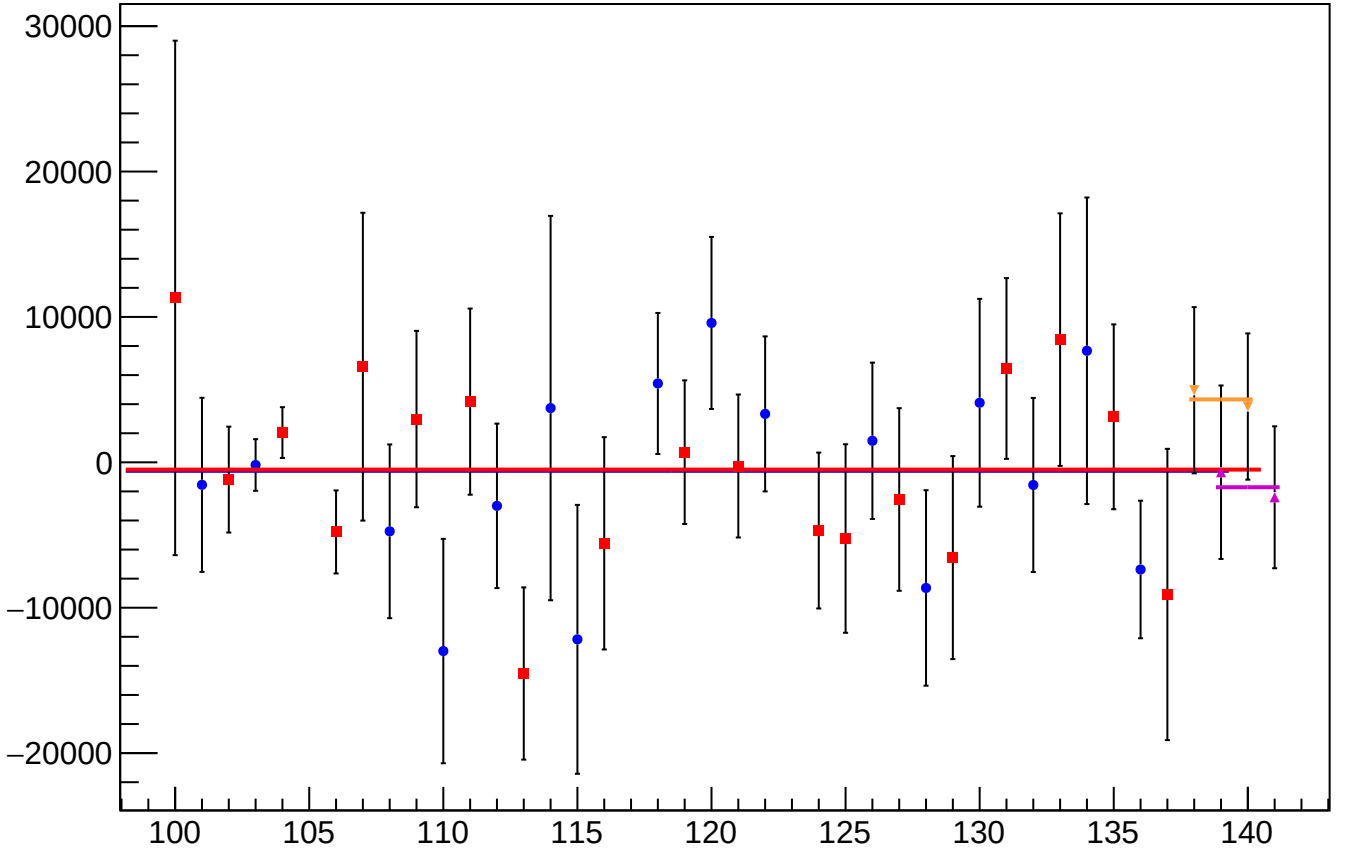
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1313.157+/-0.315 χ^2/NDF:517976.3/17

Out: 1320.408+/-0.316 χ^2/NDF:327725.5/20

All: 1316.772+/-0.223 χ^2/NDF: 845966.1/38

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 4326.344+/-3776.214 χ^2/NDF:0.0/1

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -1712.622+/-3777.686 χ^2/NDF:0.0/1

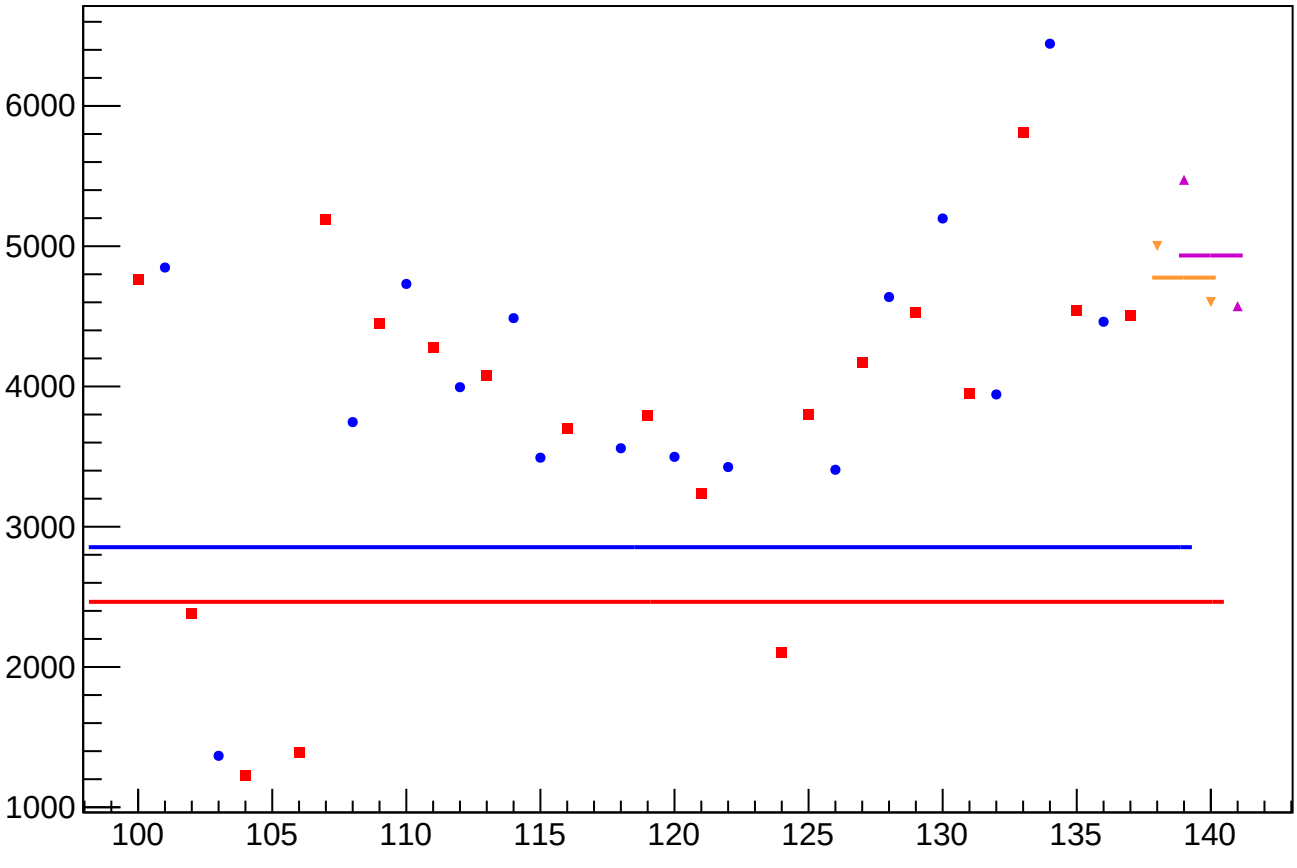
Left: 1308.038+/-2670.707 χ^2/NDF: 1.3/3

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -684.320+/-1137.500 χ^2/NDF:14.9/17

Out: -150.387+/-1016.478 χ^2/NDF:19.2/20

All: -387.448+/-757.947 χ^2/NDF: 34.2/38



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4776.172+/-2.670 χ^2/NDF:5520.1/1

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4933.926+/-2.671 χ^2/NDF:27330.5/1

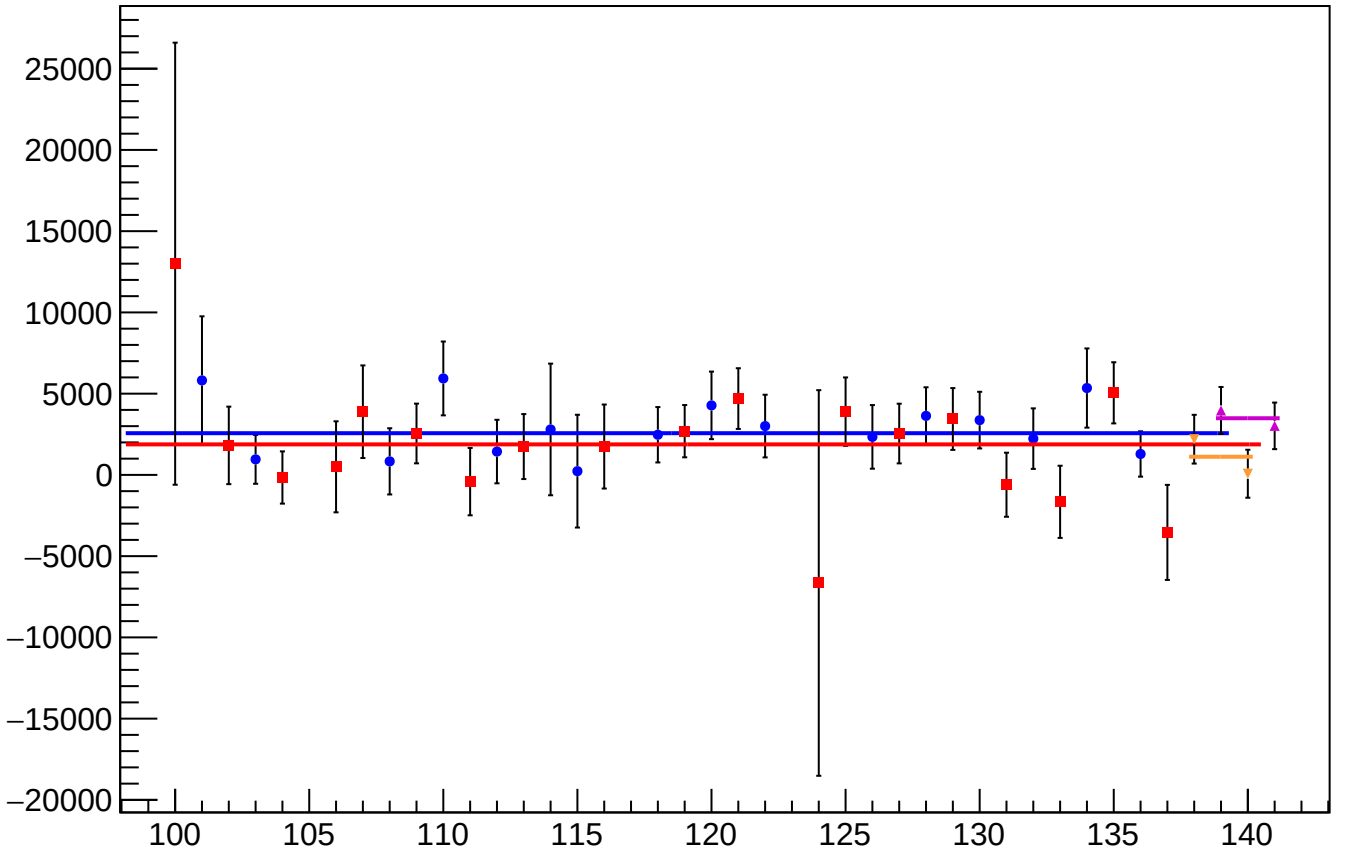
Left: 4855.018+/-1.888 χ^2/NDF: 34595.1/3

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3042.854+/-0.804 χ^2/NDF:3483304.8/17

Out: 2632.084+/-0.719 χ^2/NDF:4056600.9/20

All: 2814.462+/-0.536 χ^2/NDF: 7684918.4/38



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1117.482+/-1052.039 χ^2/NDF:1.0/1

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3486.936+/-1017.829 χ^2/NDF:0.2/1

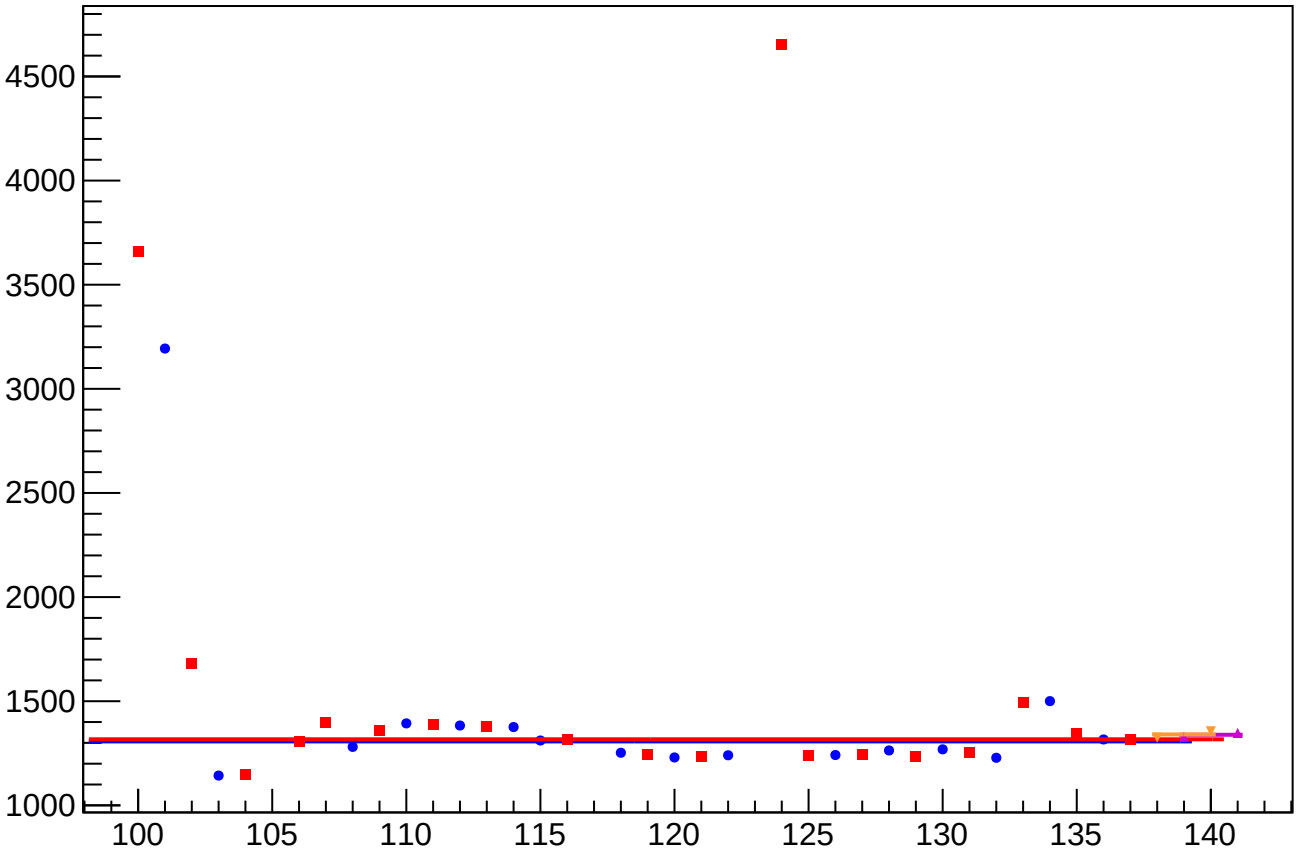
Left: 2341.359+/-731.509 χ^2/NDF: 3.9/3

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2743.317+/-445.414 χ^2/NDF:9.9/17

Out: 1740.094+/-447.690 χ^2/NDF:21.0/20

All: 2244.262+/-315.757 χ^2/NDF: 33.4/38



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1340.454+/-0.744 χ^2/NDF:419.7/1

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1338.861+/-0.720 χ^2/NDF:149.6/1

Left: 1339.631+/-0.517 χ^2/NDF: 571.7/3

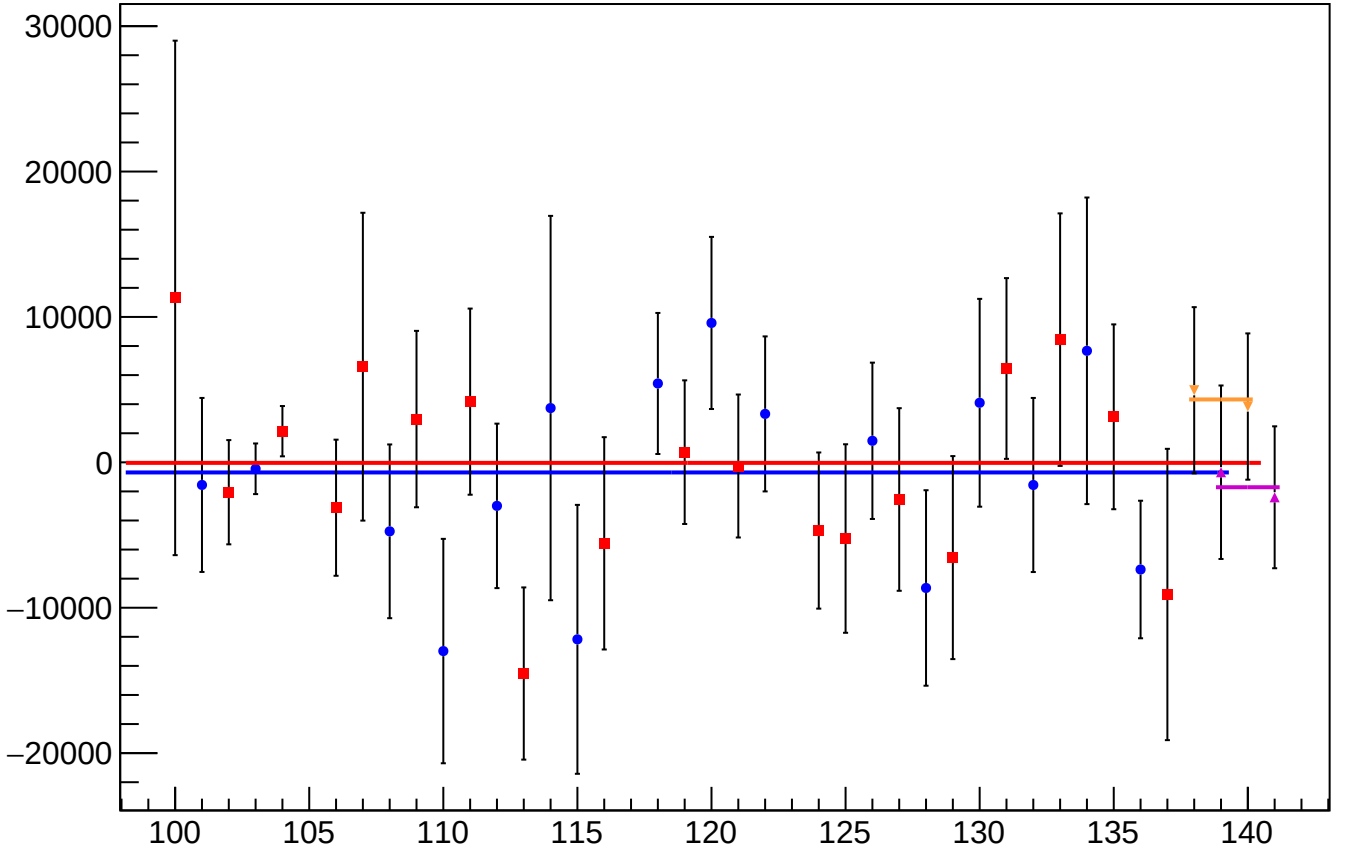
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1313.156+/-0.315 χ^2/NDF:517977.9/17

Out: 1321.339+/-0.316 χ^2/NDF:327152.1/20

All: 1317.233+/-0.223 χ^2/NDF: 845466.3/38

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 4326.444+/-3776.208 χ^2/NDF:0.0/1

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1712.696+/-3777.686 χ^2/NDF:0.0/1

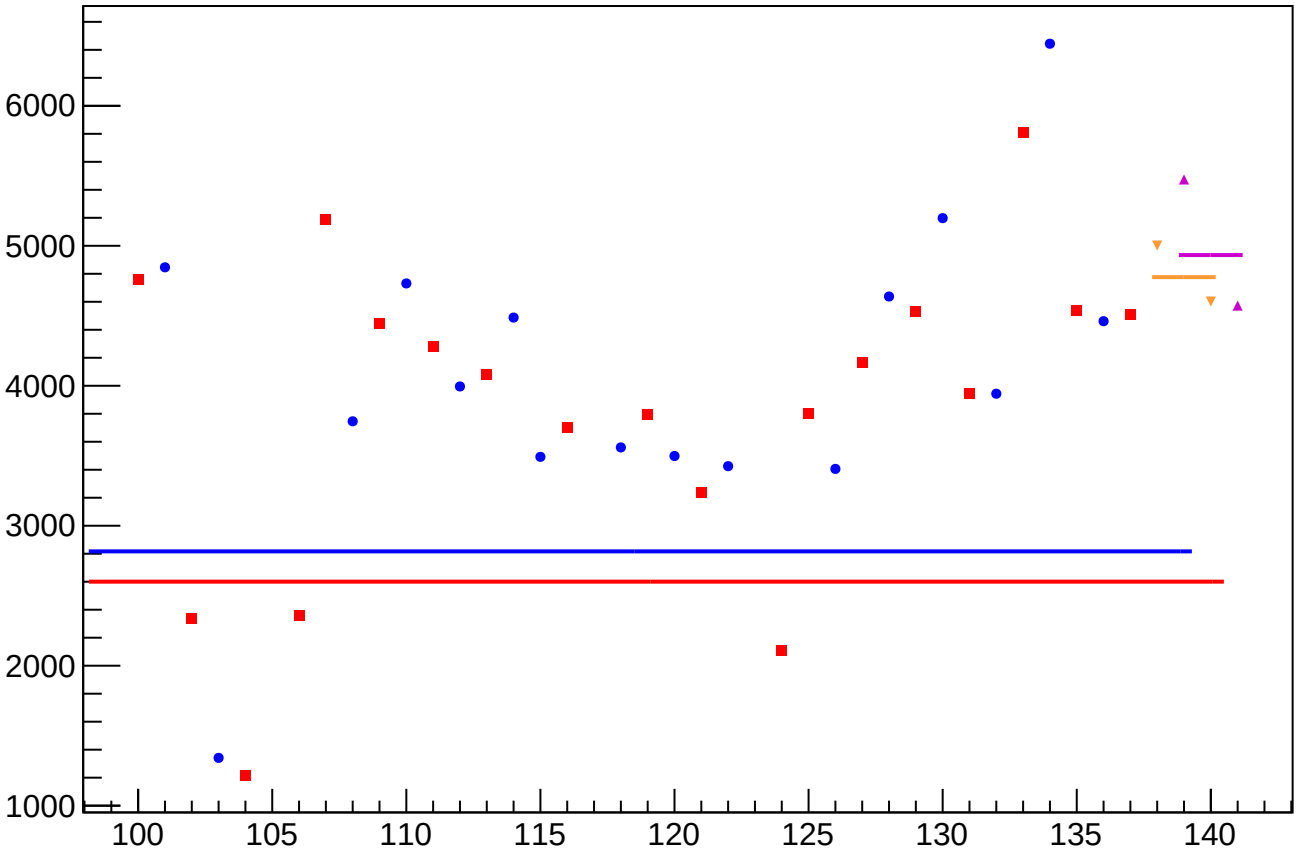
Left: 1308.056+/-2670.705 χ^2/NDF: 1.3/3

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -786.036+/-1128.446 χ^2/NDF:14.8/17

Out: 304.088+/-1054.517 χ^2/NDF:17.2/20

All: -204.098+/-770.467 χ^2/NDF: 32.5/38



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4776.163+/-2.670 χ^2/NDF:5520.4/1

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4933.925+/-2.671 χ^2/NDF:27331.2/1

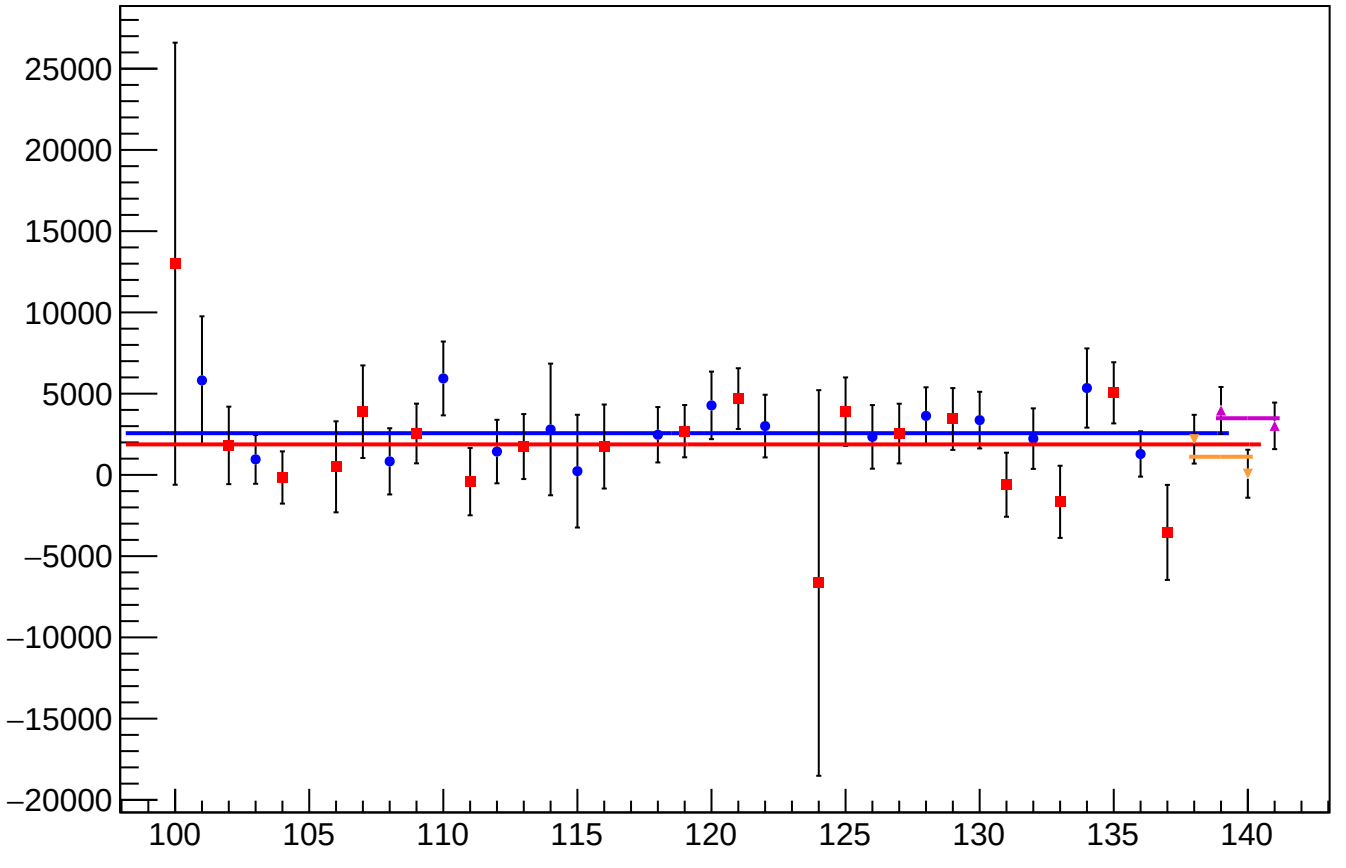
Left: 4855.013+/-1.888 χ^2/NDF: 34596.3/3

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3005.696+/-0.798 χ^2/NDF:3607020.6/17

Out: 2770.186+/-0.746 χ^2/NDF:3698404.8/20

All: 2879.974+/-0.545 χ^2/NDF: 7351929.2/38



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1117.482+/-1052.039 χ^2/NDF:1.0/1

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3486.936+/-1017.829 χ^2/NDF:0.2/1

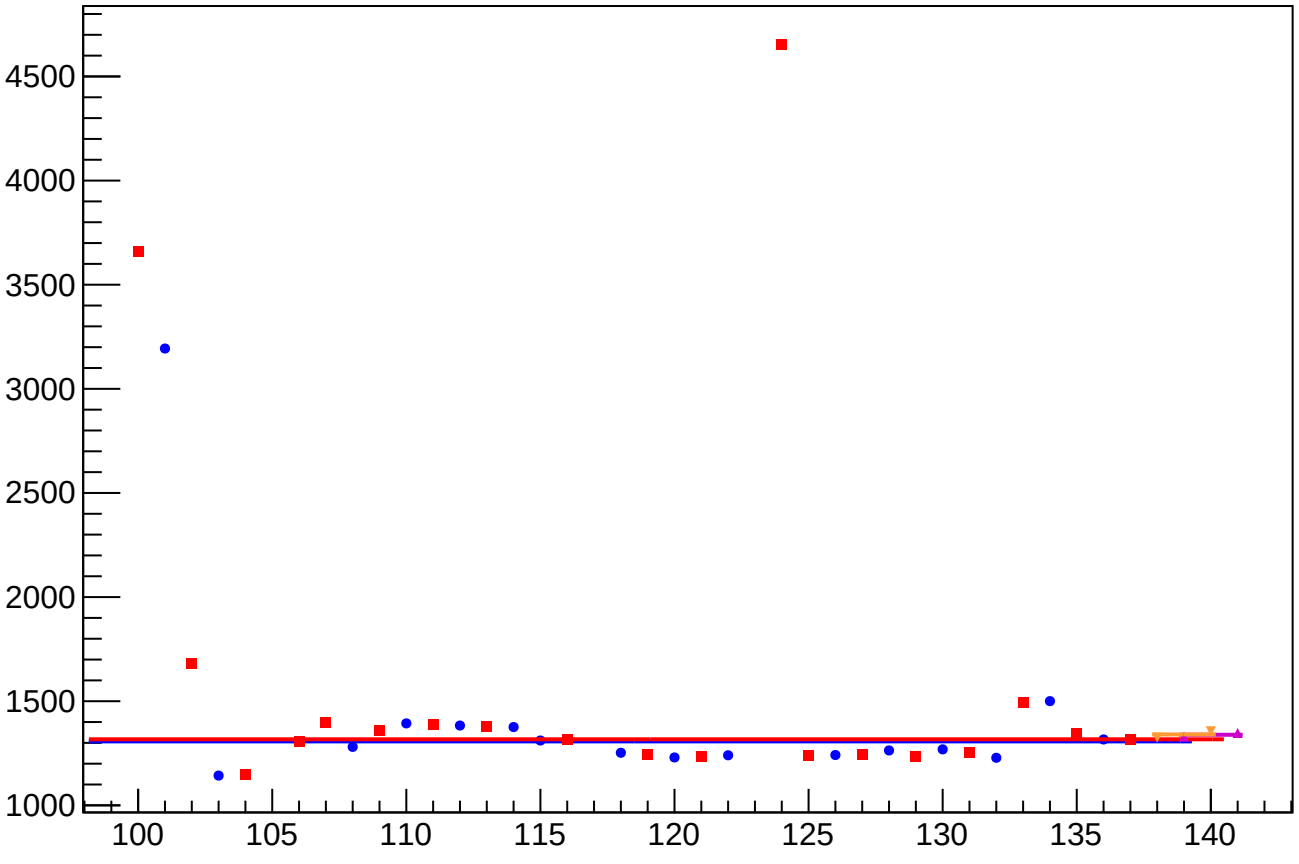
Left: 2341.359+/-731.509 χ^2/NDF: 3.9/3

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2743.317+/-445.414 χ^2/NDF:9.9/17

Out: 1740.094+/-447.690 χ^2/NDF:21.0/20

All: 2244.262+/-315.757 χ^2/NDF: 33.4/38



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1340.454+/-0.744 χ^2/NDF:419.7/1

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1338.861+/-0.720 χ^2/NDF:149.6/1

Left: 1339.631+/-0.517 χ^2/NDF: 571.7/3

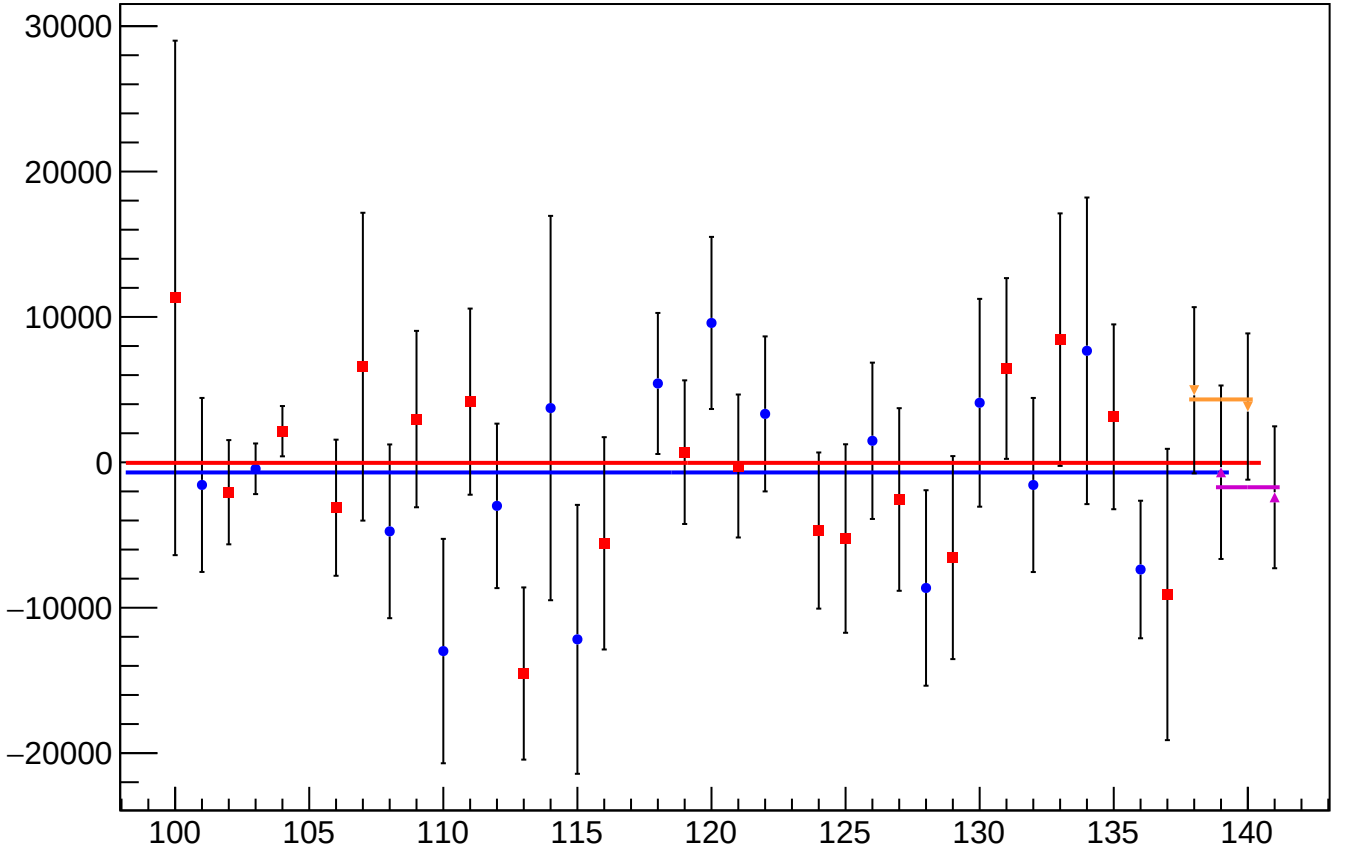
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1313.156+/-0.315 χ^2/NDF:517977.9/17

Out: 1321.339+/-0.316 χ^2/NDF:327152.1/20

All: 1317.233+/-0.223 χ^2/NDF: 845466.3/38

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 4326.444+/-3776.208 χ^2/NDF:0.0/1

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1712.696+/-3777.686 χ^2/NDF:0.0/1

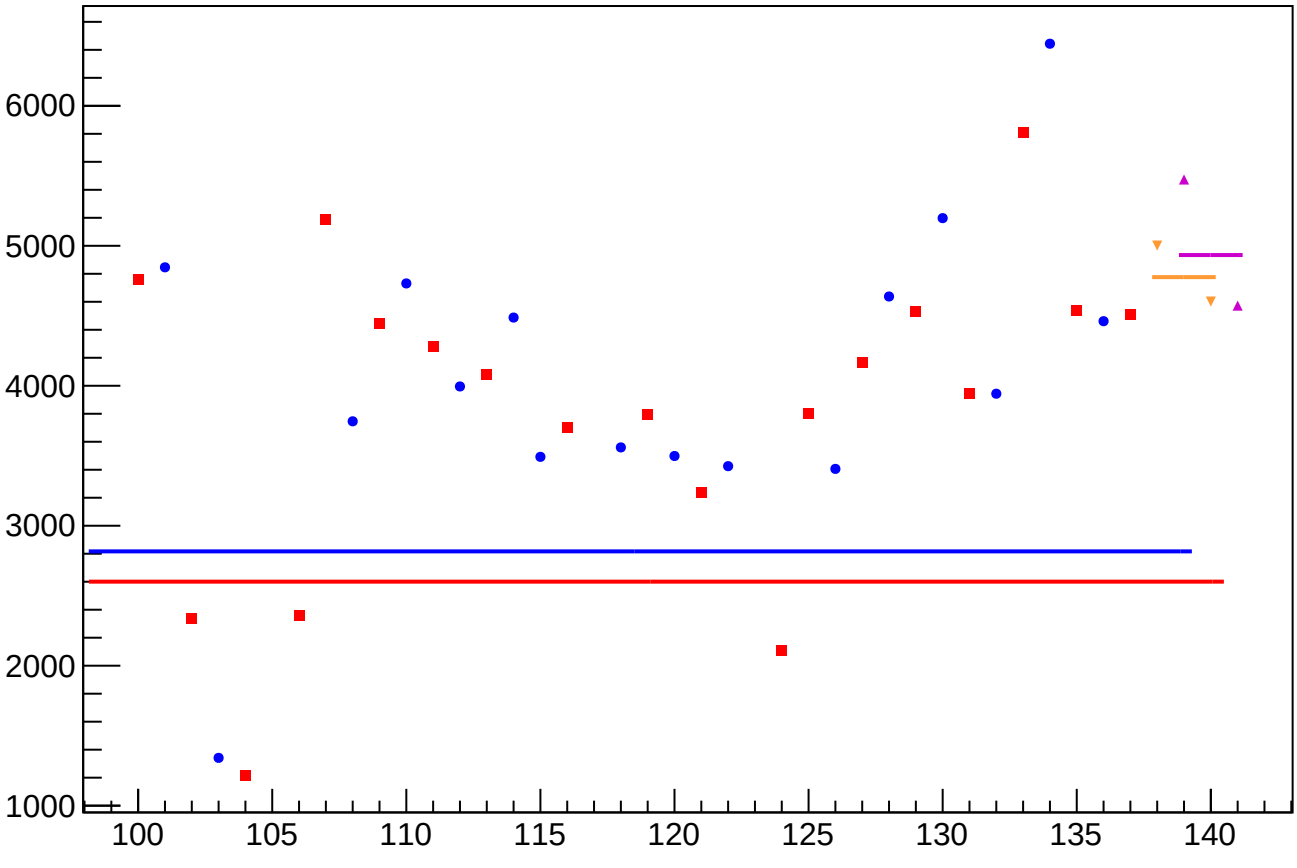
Left: 1308.056+/-2670.705 χ^2/NDF: 1.3/3

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -786.036+/-1128.446 χ^2/NDF:14.8/17

Out: 304.088+/-1054.517 χ^2/NDF:17.2/20

All: -204.098+/-770.467 χ^2/NDF: 32.5/38



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4776.163+/-2.670 χ^2/NDF:5520.4/1

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4933.925+/-2.671 χ^2/NDF:27331.2/1

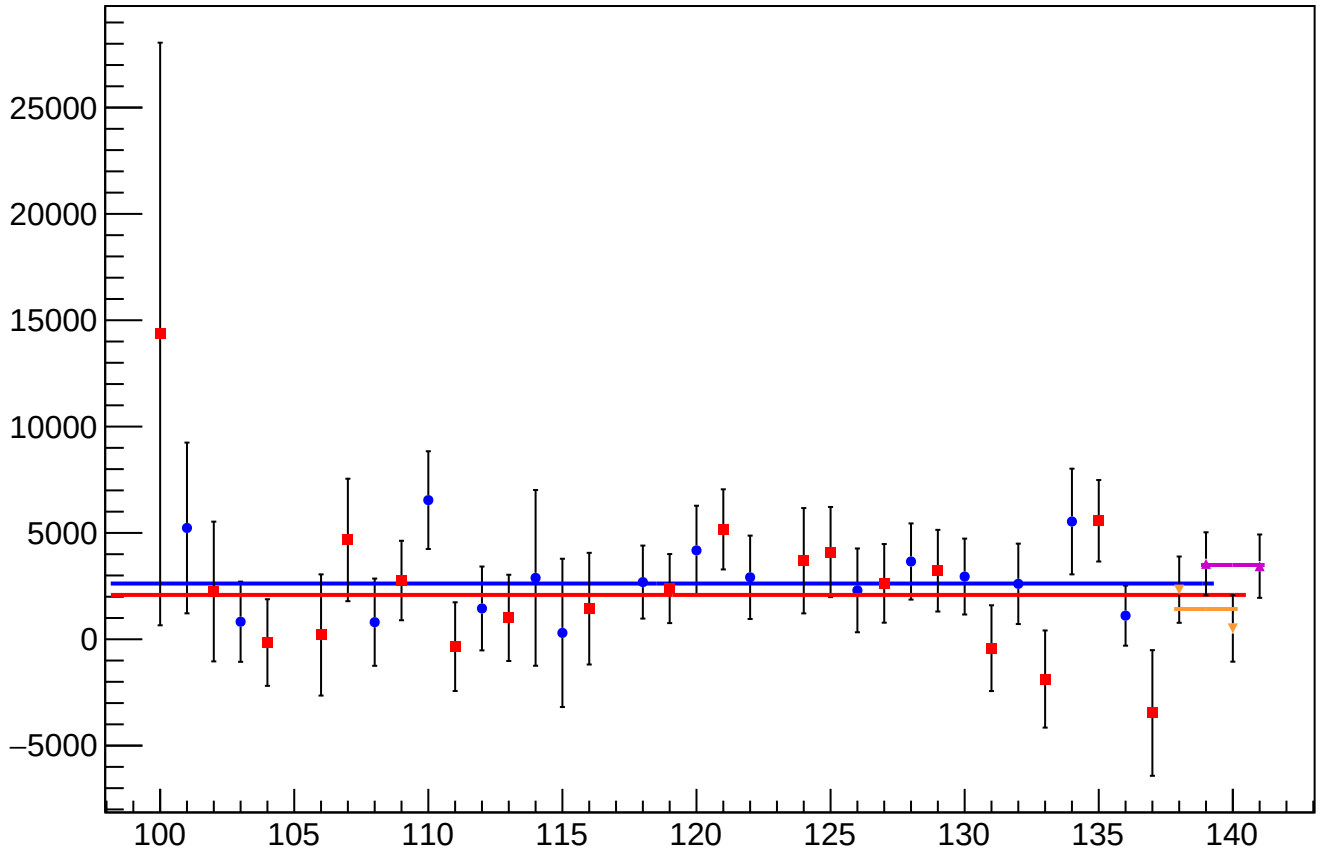
Left: 4855.013+/-1.888 χ^2/NDF: 34596.3/3

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3005.696+/-0.798 χ^2/NDF:3607020.6/17

Out: 2770.186+/-0.746 χ^2/NDF:3698404.8/20

All: 2879.974+/-0.545 χ^2/NDF: 7351929.2/38



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1422.977+/-1103.260 χ^2/NDF:0.7/1

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 3492.907+/-1050.422 χ^2/NDF:0.0/1

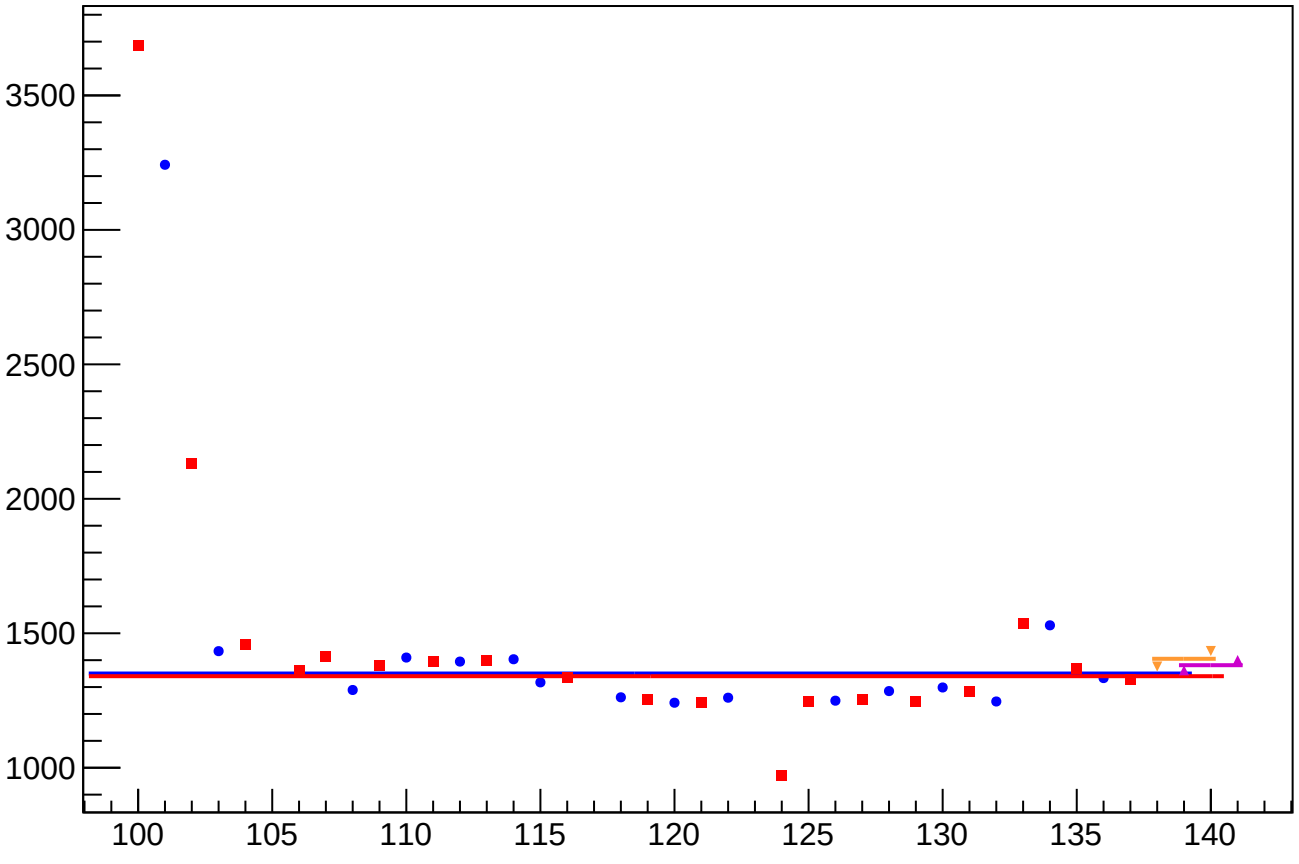
Left: 2508.695+/-760.754 χ^2/NDF: 2.5/3

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2787.747+/-459.883 χ^2/NDF:9.9/17

Out: 1970.869+/-459.086 χ^2/NDF:21.9/20

All: 2378.600+/-324.904 χ^2/NDF: 33.4/38



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1405.148+/-0.780 χ^2/NDF:1371.5/1

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1381.333+/-0.743 χ^2/NDF:664.4/1

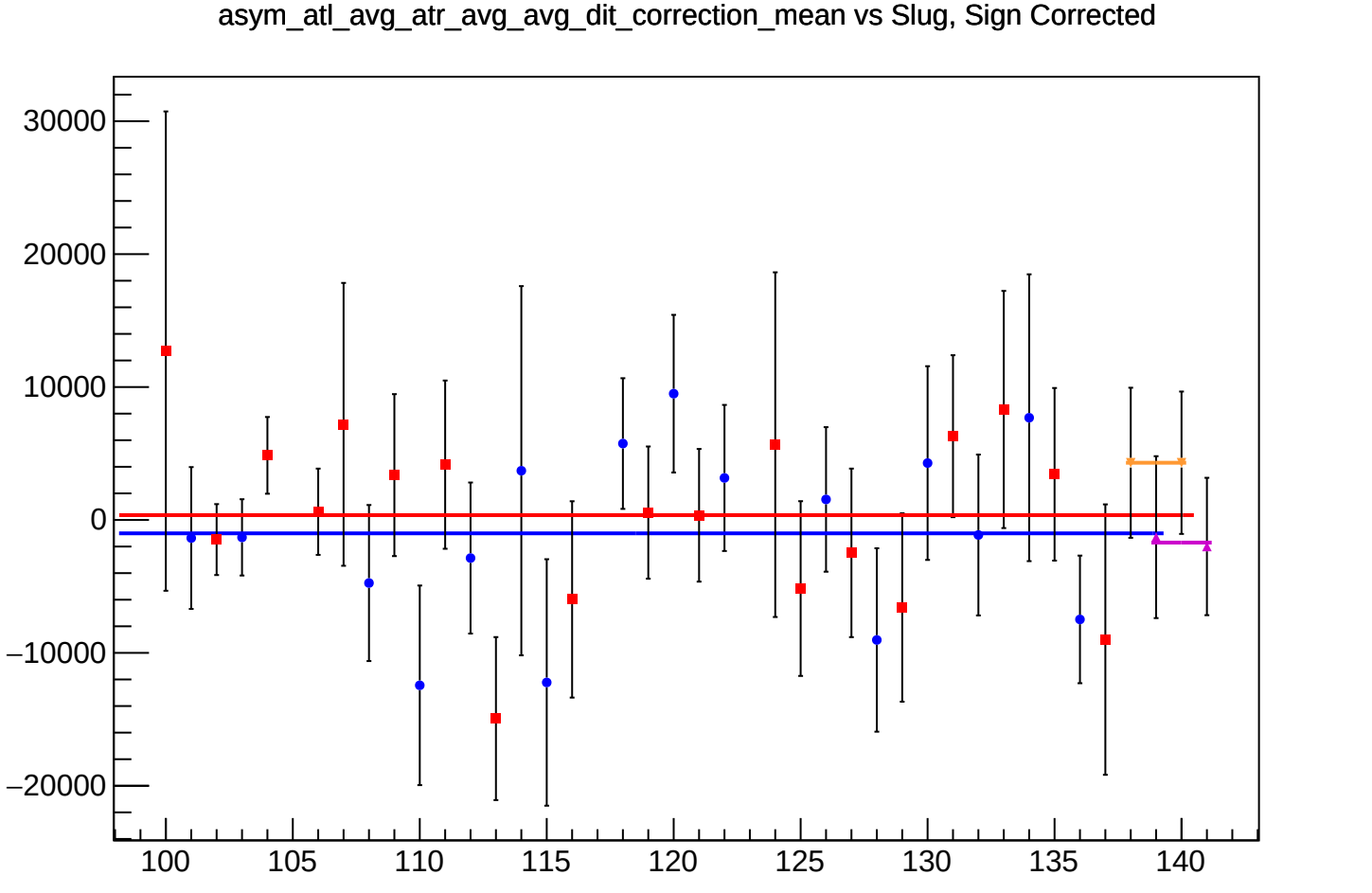
Left: 1392.656+/-0.538 χ^2/NDF: 2524.6/3

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1356.304+/-0.325 χ^2/NDF:496120.2/17

Out: 1351.623+/-0.324 χ^2/NDF:279246.9/20

All: 1353.959+/-0.230 χ^2/NDF: 775470.9/38



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 4305.013+/-3885.654 χ^2/NDF:0.0/1

Right Out: 364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -1701.984+/-3940.607 χ^2/NDF:0.0/1

Left: 1343.692+/-2766.797 χ^2/NDF: 1.2/3

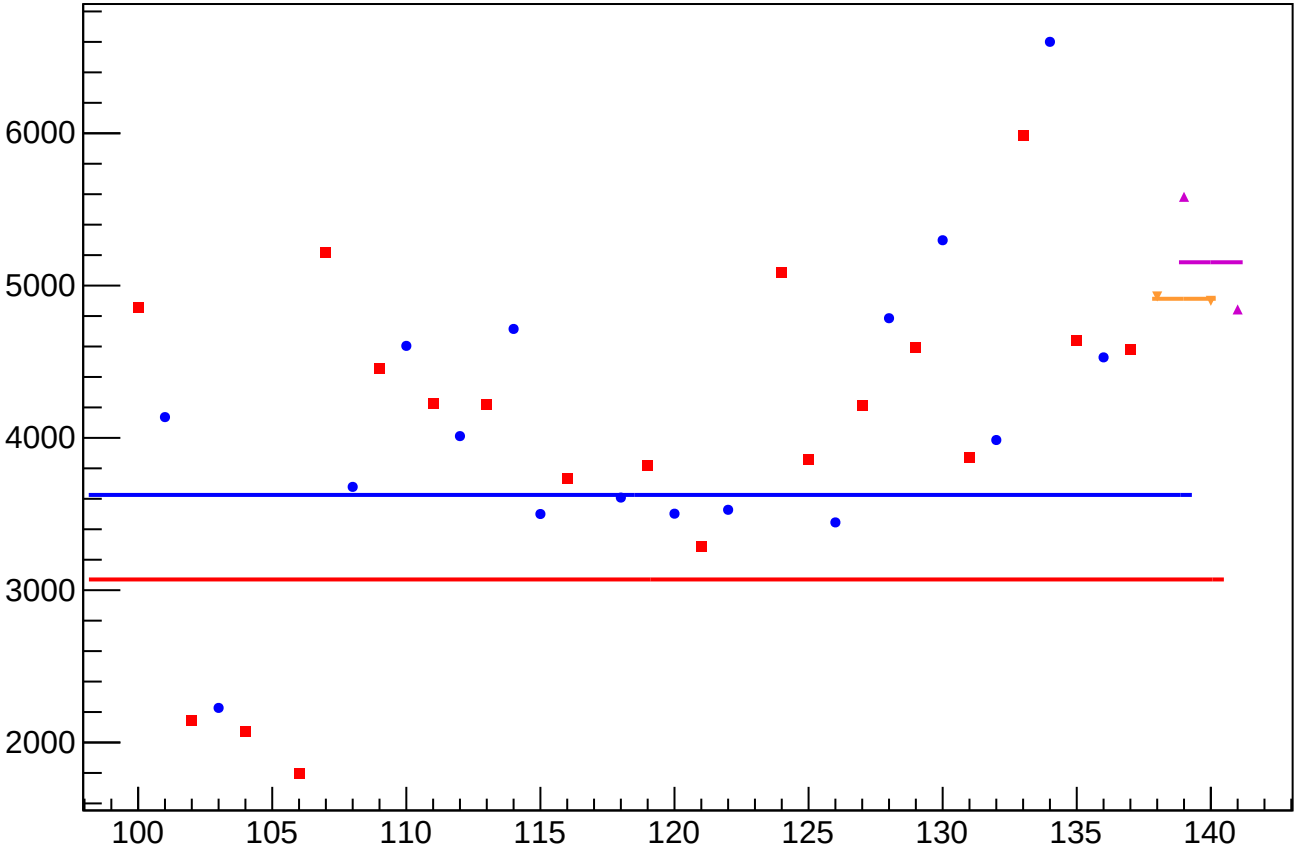
Right: -215.533+/-913.430 χ^2/NDF: 31.4/34

In: -1085.110+/-1322.945 χ^2/NDF:14.6/17

Out: 708.902+/-1148.747 χ^2/NDF:17.2/20

All: -62.292+/-867.383 χ^2/NDF: 32.8/38

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4913.388+/-2.748 χ^2/NDF:27.5/1

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5153.116+/-2.786 χ^2/NDF:17142.5/1

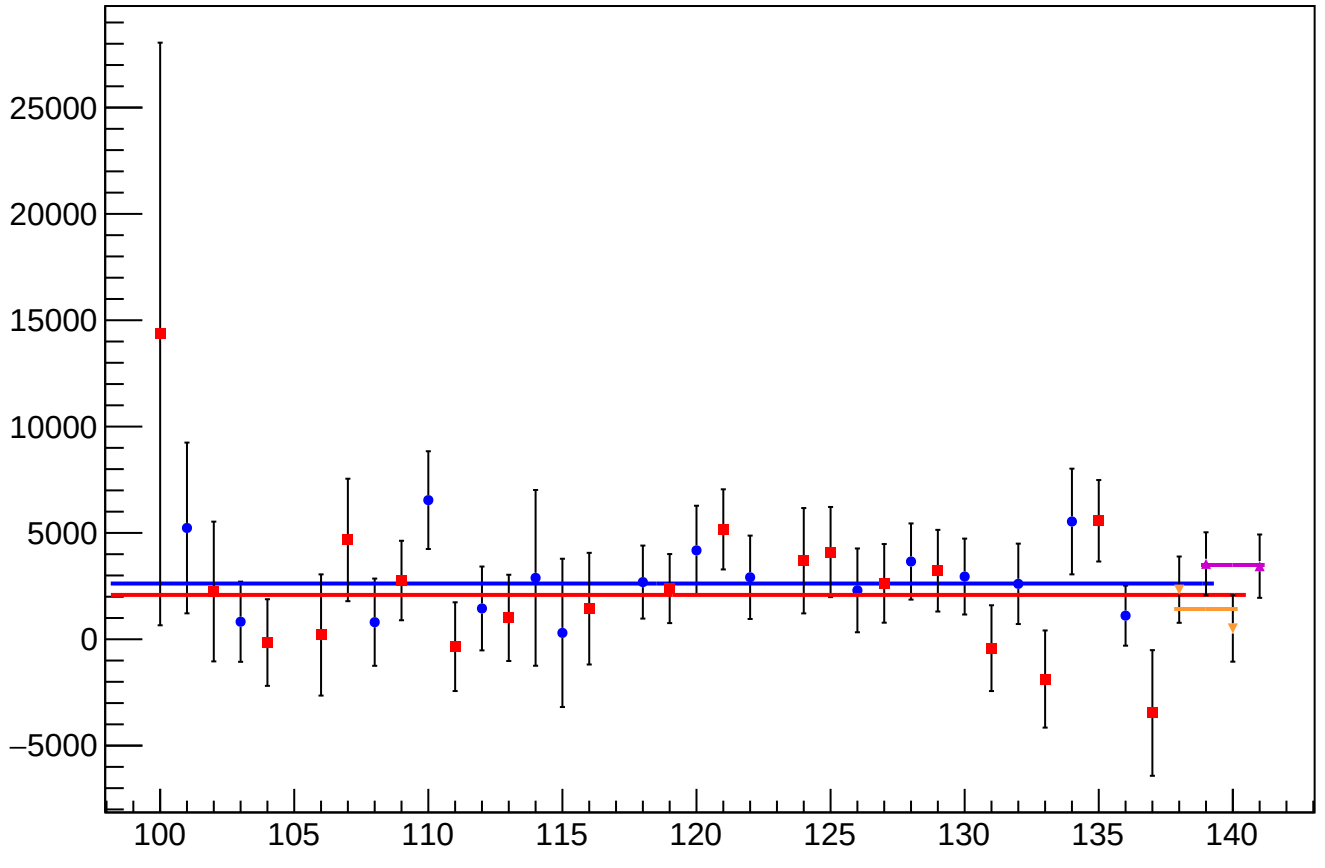
Left: 5031.568+/-1.956 χ^2/NDF: 20923.0/3

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3797.686+/-0.935 χ^2/NDF:1228728.5/17

Out: 3231.519+/-0.812 χ^2/NDF:2249274.7/20

All: 3474.898+/-0.613 χ^2/NDF: 3686840.9/38



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1422.979+/-1103.261 χ^2/NDF:0.7/1

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 3492.892+/-1050.423 χ^2/NDF:0.0/1

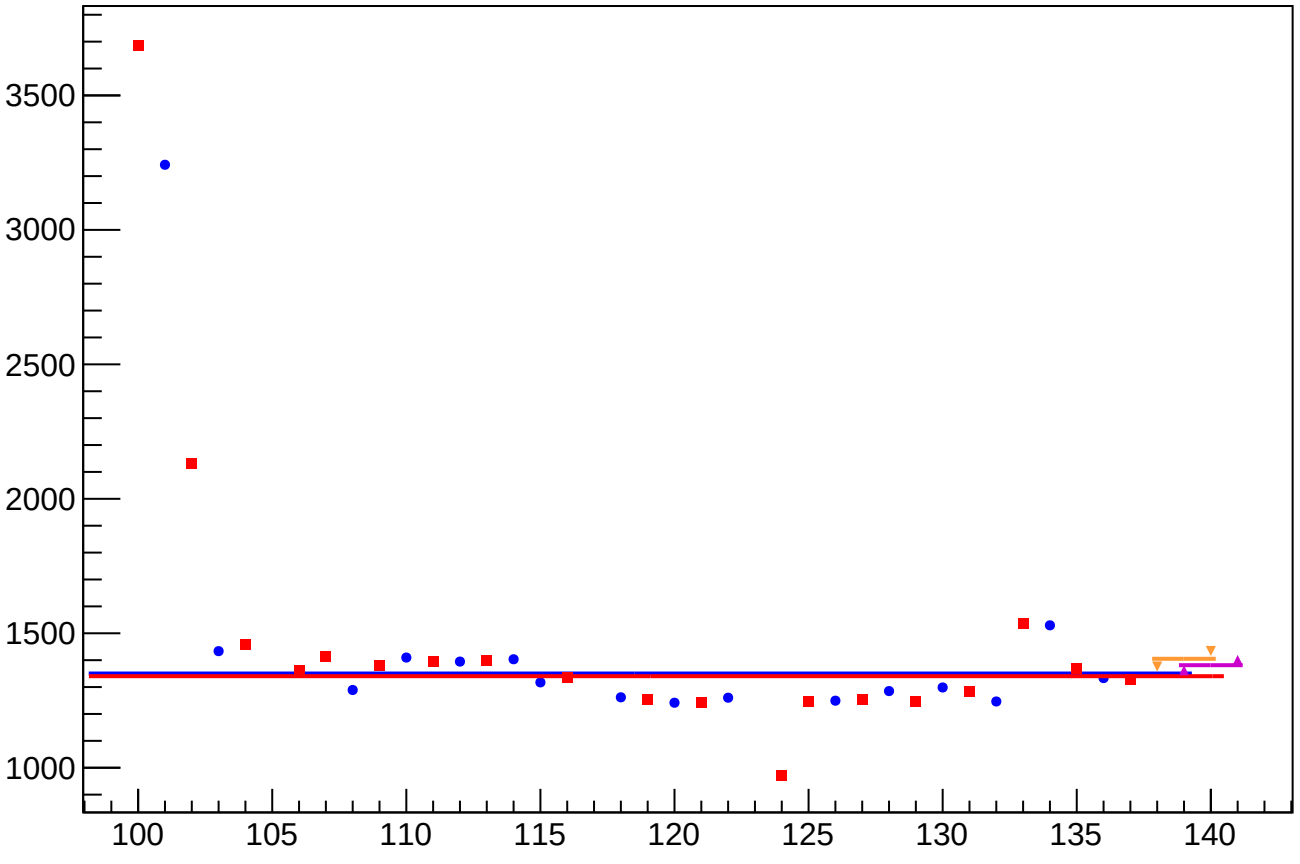
Left: 2508.688+/-760.755 χ^2/NDF: 2.5/3

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2787.744+/-459.883 χ^2/NDF:9.9/17

Out: 1970.872+/-459.086 χ^2/NDF:21.9/20

All: 2378.600+/-324.904 χ^2/NDF: 33.4/38



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1405.148+/-0.780 χ^2/NDF:1371.5/1

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1381.334+/-0.743 χ^2/NDF:664.3/1

Left: 1392.657+/-0.538 χ^2/NDF: 2524.6/3

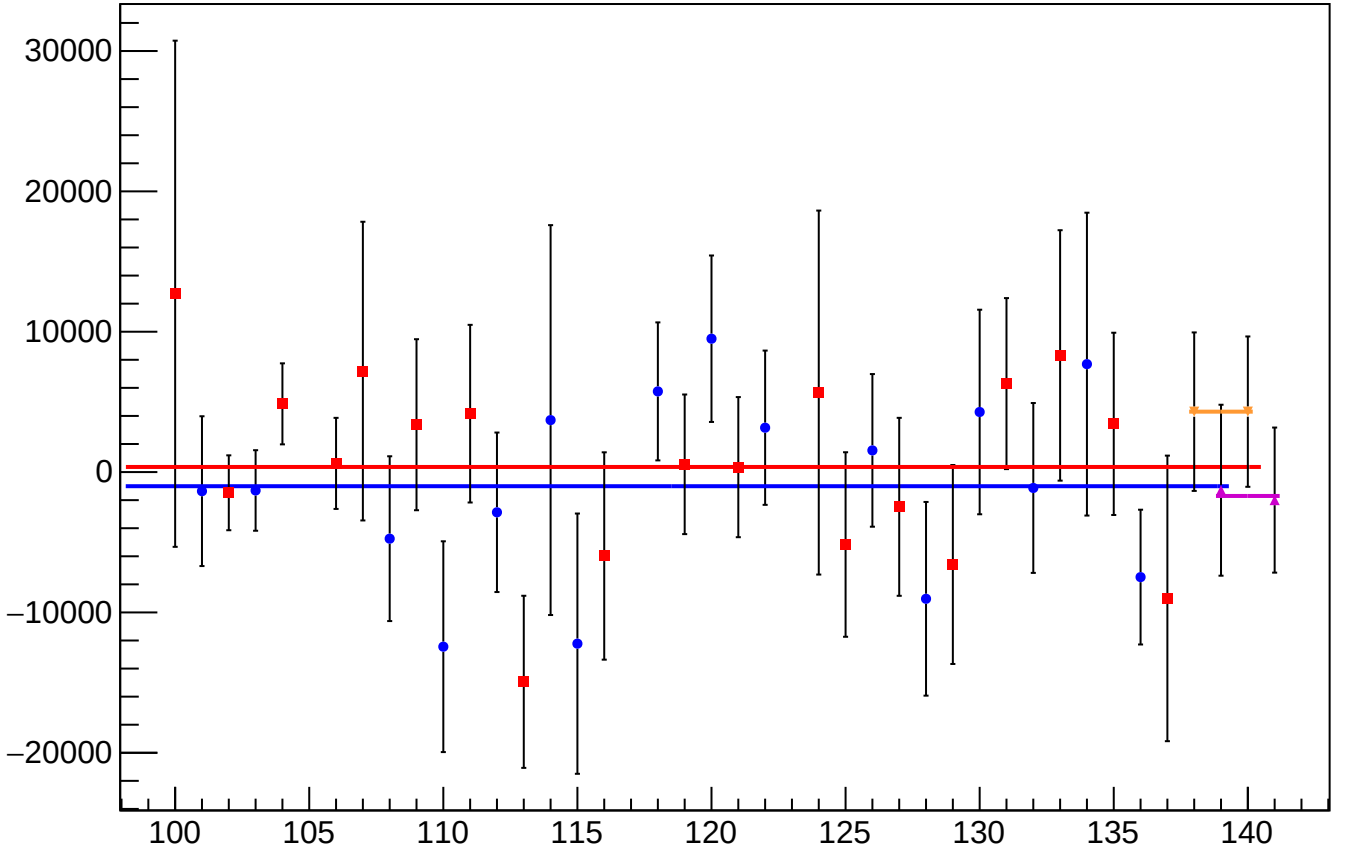
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1356.304+/-0.325 χ^2/NDF:496120.4/17

Out: 1351.623+/-0.324 χ^2/NDF:279246.1/20

All: 1353.958+/-0.230 χ^2/NDF: 775470.3/38

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 4305.015+/-3885.660 χ^2/NDF:0.0/1

Right Out: 364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -1701.996+/-3940.613 χ^2/NDF:0.0/1

Left: 1343.687+/-2766.801 χ^2/NDF: 1.2/3

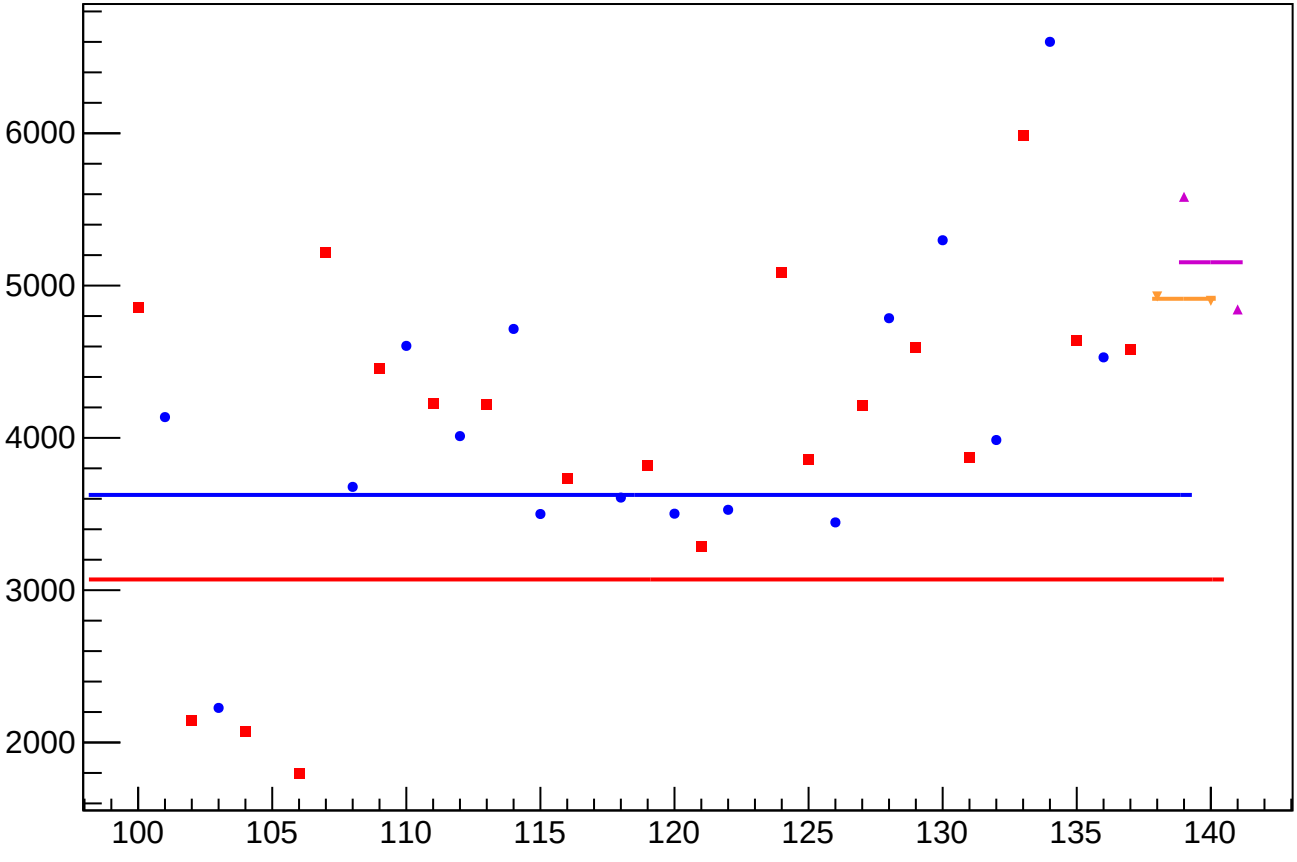
Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -1085.103+/-1322.943 χ^2/NDF:14.6/17

Out: 708.901+/-1148.744 χ^2/NDF:17.2/20

All: -62.289+/-867.381 χ^2/NDF: 32.8/38

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4913.395+/-2.748 χ^2/NDF:27.6/1

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5153.123+/-2.786 χ^2/NDF:17143.0/1

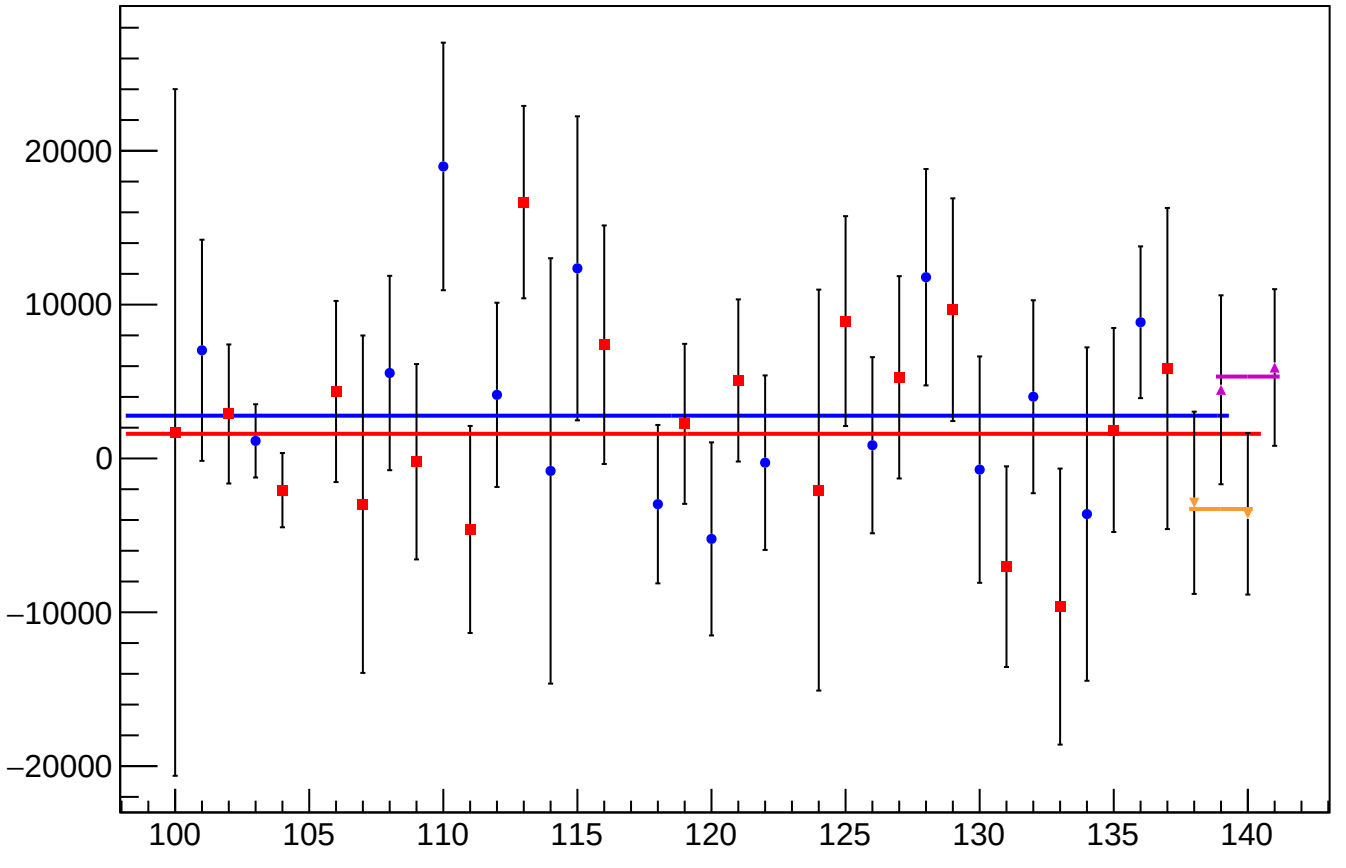
Left: 5031.576+/-1.956 χ^2/NDF: 20923.4/3

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 3797.678+/-0.935 χ^2/NDF:1228736.2/17

Out: 3231.511+/-0.812 χ^2/NDF:2249283.9/20

All: 3474.889+/-0.613 χ^2/NDF: 3686858.6/38



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -3284.683+/-3928.092 χ^2/NDF:0.0/1

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 5322.907+/-3920.039 χ^2/NDF:0.0/1

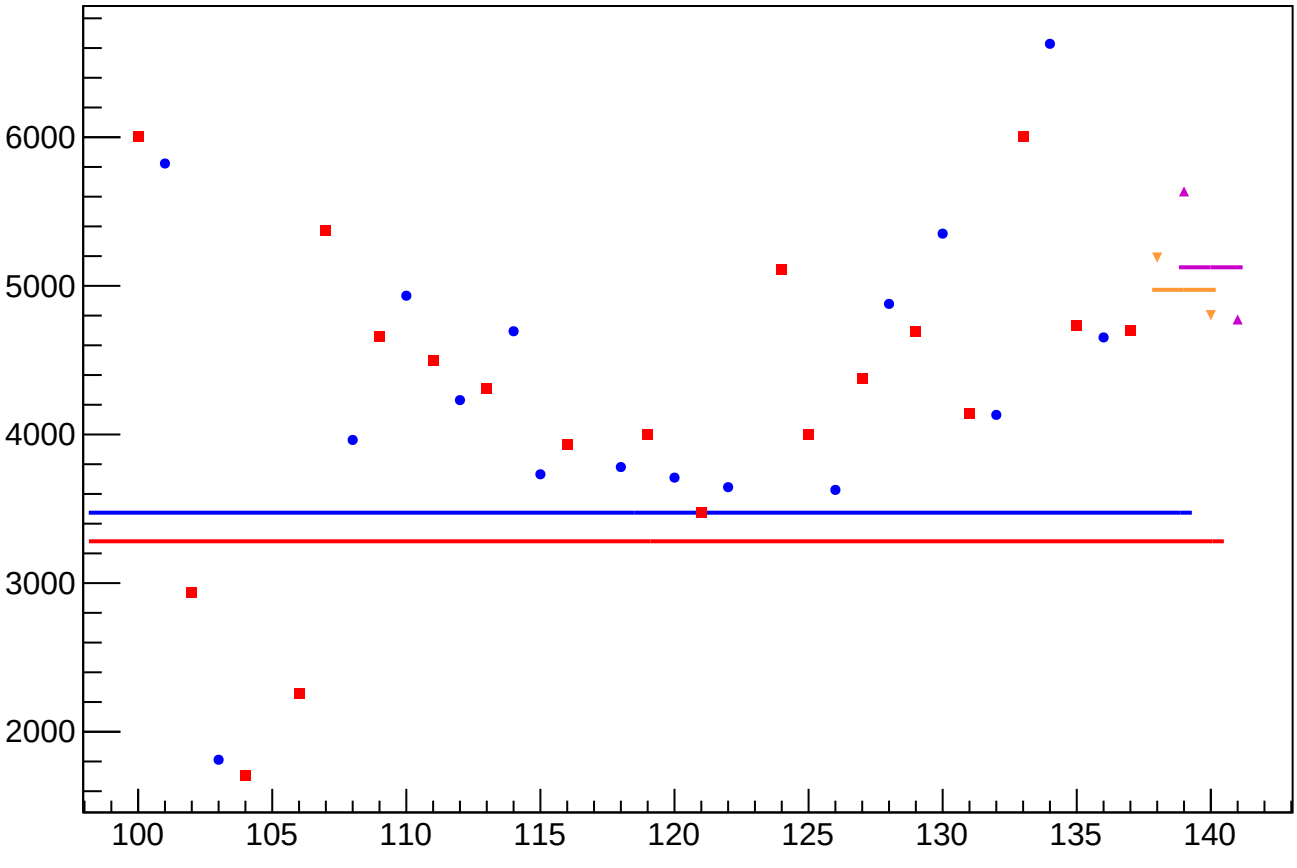
Left: 1027.944+/-2774.729 χ^2/NDF: 2.4/3

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 3064.593+/-1309.609 χ^2/NDF:13.6/17

Out: 1095.199+/-1265.708 χ^2/NDF:18.2/20

All: 2046.334+/-910.115 χ^2/NDF: 32.9/38



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4973.340+/-2.778 χ^2/NDF:4794.9/1

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5124.951+/-2.772 χ^2/NDF:23322.9/1

Left: 5049.301+/-1.962 χ^2/NDF: 29610.5/3

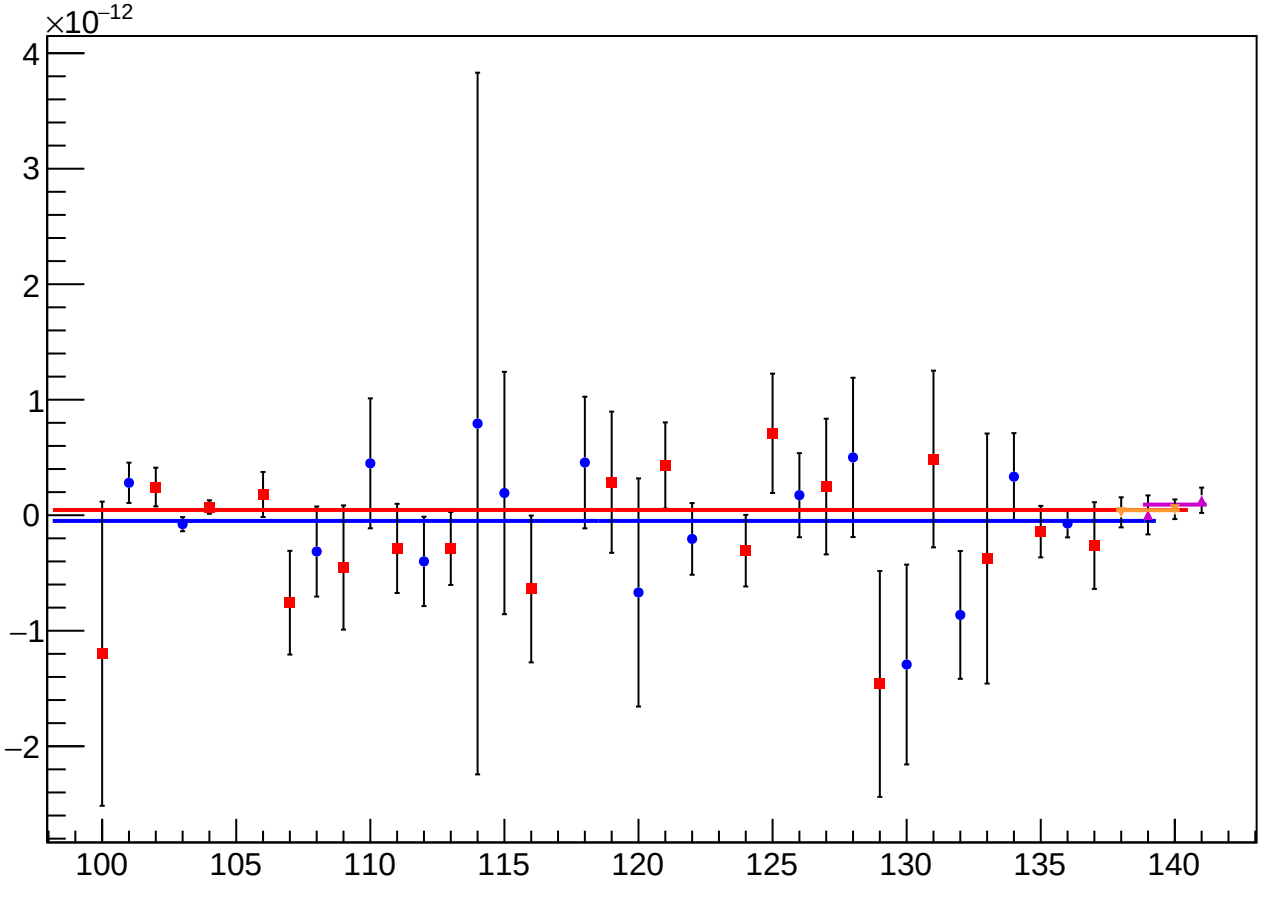
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3658.169+/-0.926 χ^2/NDF:2182479.6/17

Out: 3452.851+/-0.884 χ^2/NDF:2213726.6/20

All: 3550.746+/-0.639 χ^2/NDF: 4421926.7/38

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

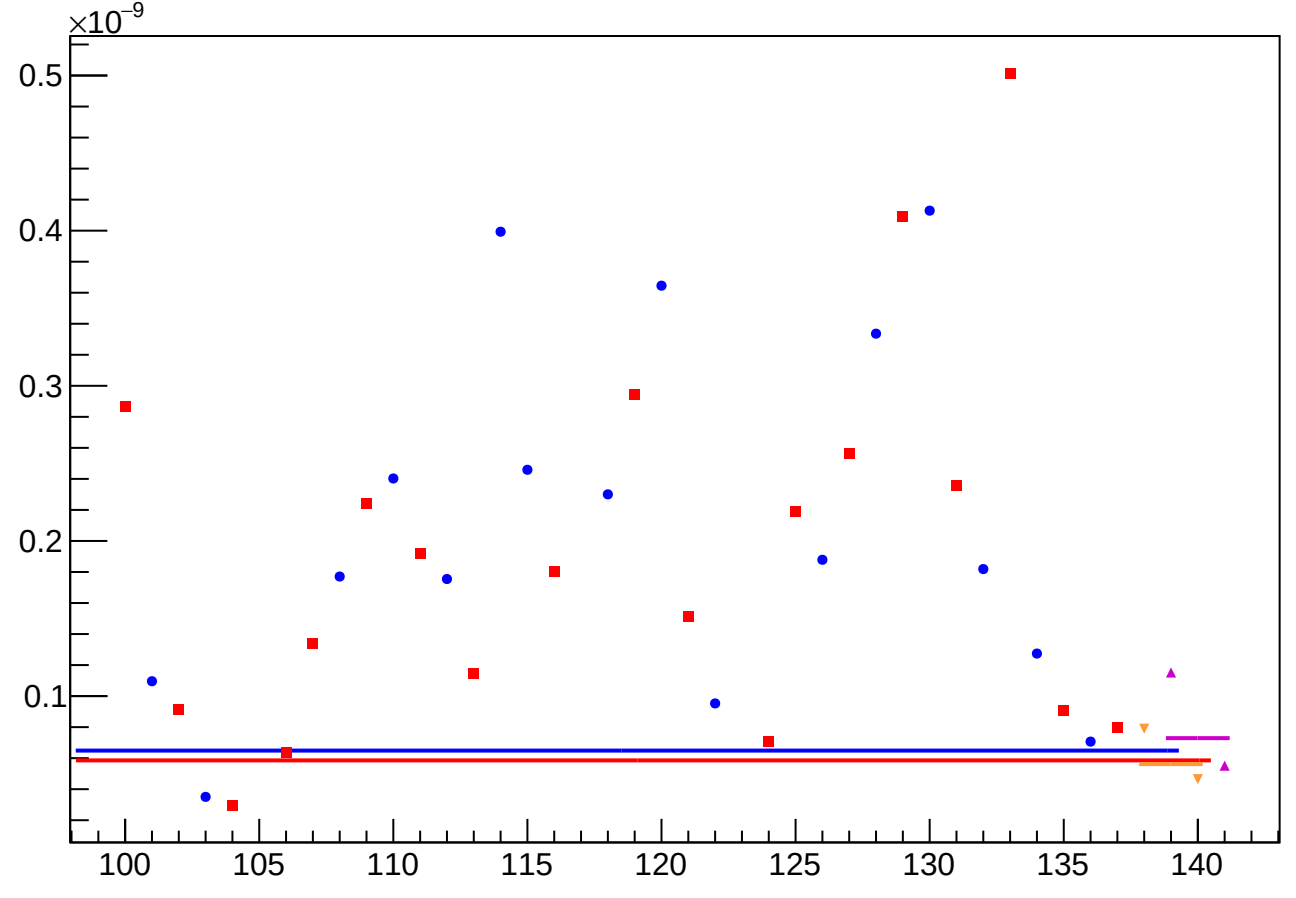
Left: 0.000+/-0.000 χ^2/NDF: 0.6/3

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

In: -0.000+/-0.000 χ^2/NDF:16.0/17

Out: 0.000+/-0.000 χ^2/NDF:18.6/20

All: 0.000+/-0.000 χ^2/NDF: 35.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:87394.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:178274.0/1

Left: 0.000+/-0.000 χ^2/NDF: 307176.9/3

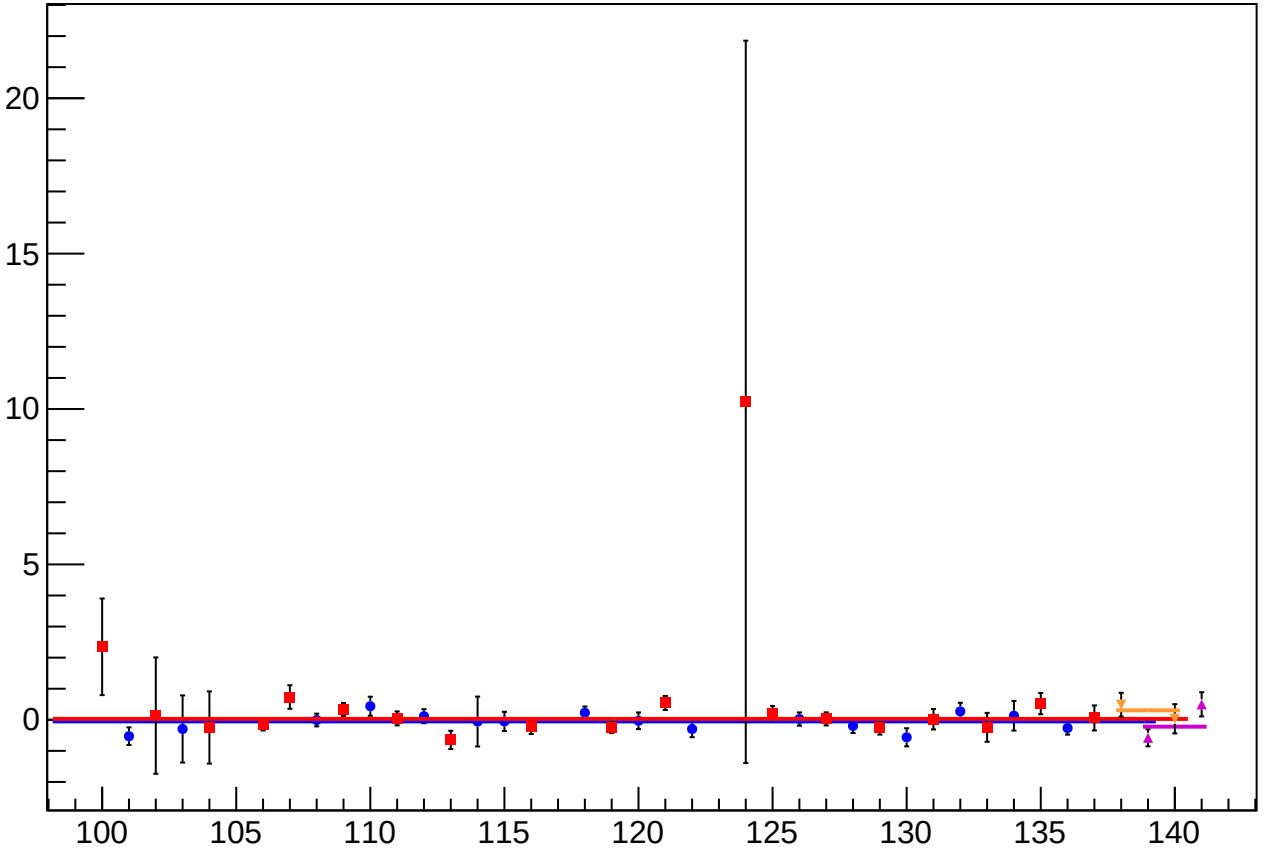
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:2783115.6/17

Out: 0.000+/-0.000 χ^2/NDF:2944071.6/20

All: 0.000+/-0.000 χ^2/NDF: 5772777.6/38

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.305+/-0.297 χ^2/NDF:0.6/1

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.221+/-0.225 χ^2/NDF:5.1/1

Left: -0.029+/-0.179 χ^2/NDF: 7.6/3

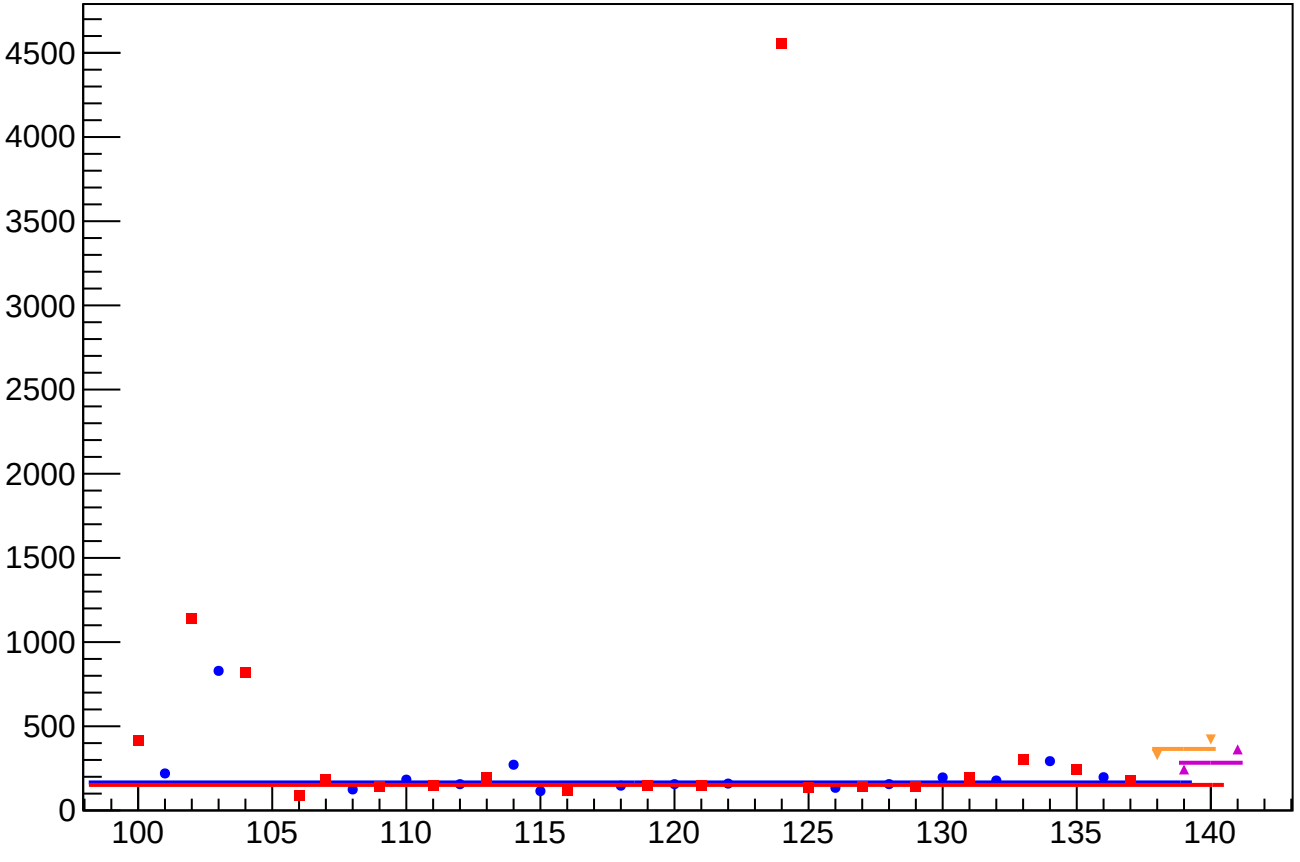
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.064 χ^2/NDF:20.5/17

Out: 0.041+/-0.063 χ^2/NDF:28.9/20

All: -0.011+/-0.045 χ^2/NDF: 50.8/38

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 365.499+/-0.210 χ^2/NDF:47202.6/1

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 283.374+/-0.159 χ^2/NDF:124396.6/1

Left: 313.313+/-0.127 χ^2/NDF: 268907.5/3

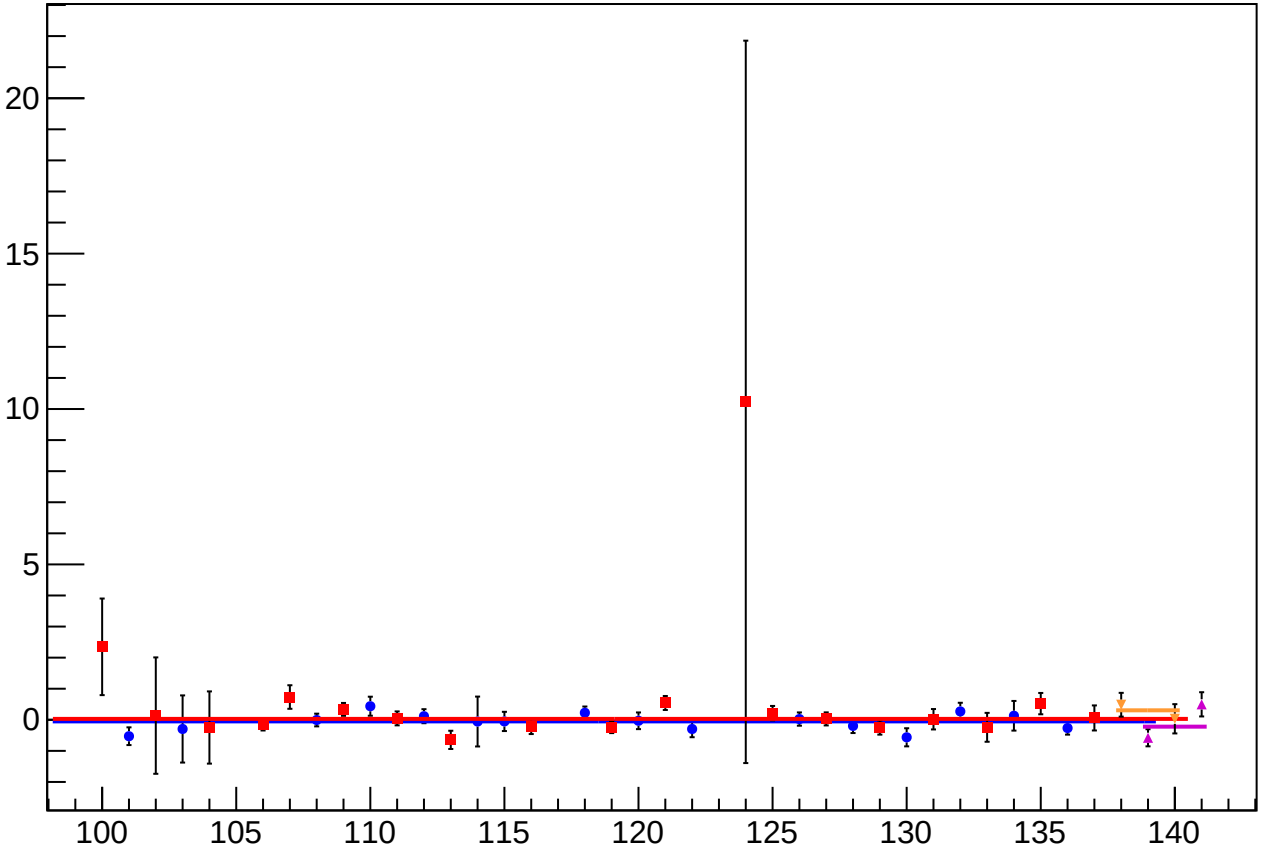
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 175.835+/-0.045 χ^2/NDF:1905141.0/17

Out: 161.293+/-0.044 χ^2/NDF:3353695.9/20

All: 168.405+/-0.032 χ^2/NDF: 5311647.3/38

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.305+/-0.297 χ^2/NDF:0.6/1

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.221+/-0.225 χ^2/NDF:5.1/1

Left: -0.029+/-0.179 χ^2/NDF: 7.6/3

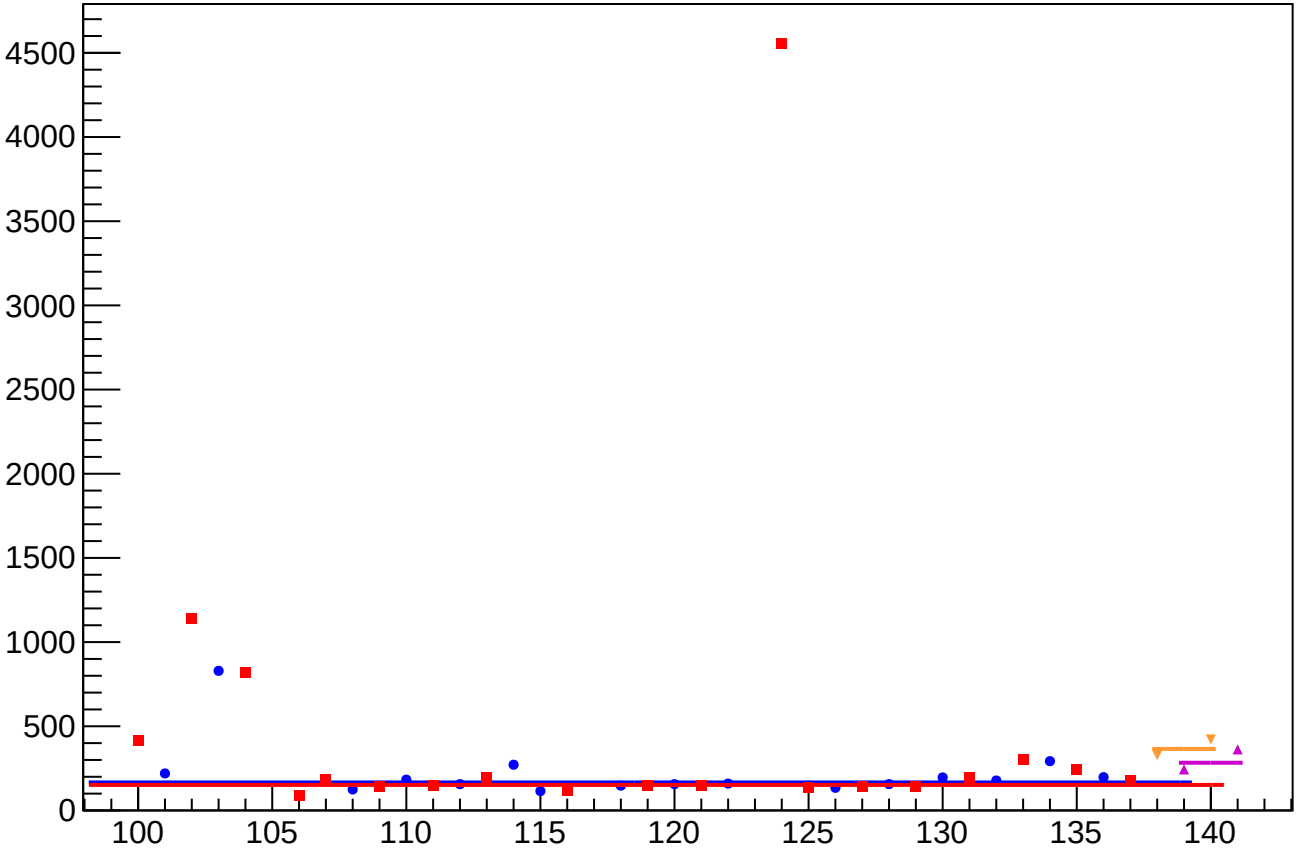
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.064 χ^2/NDF:20.5/17

Out: 0.041+/-0.063 χ^2/NDF:28.9/20

All: -0.011+/-0.045 χ^2/NDF: 50.8/38

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 365.499+/-0.210 χ^2/NDF:47202.6/1

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 283.374+/-0.159 χ^2/NDF:124396.6/1

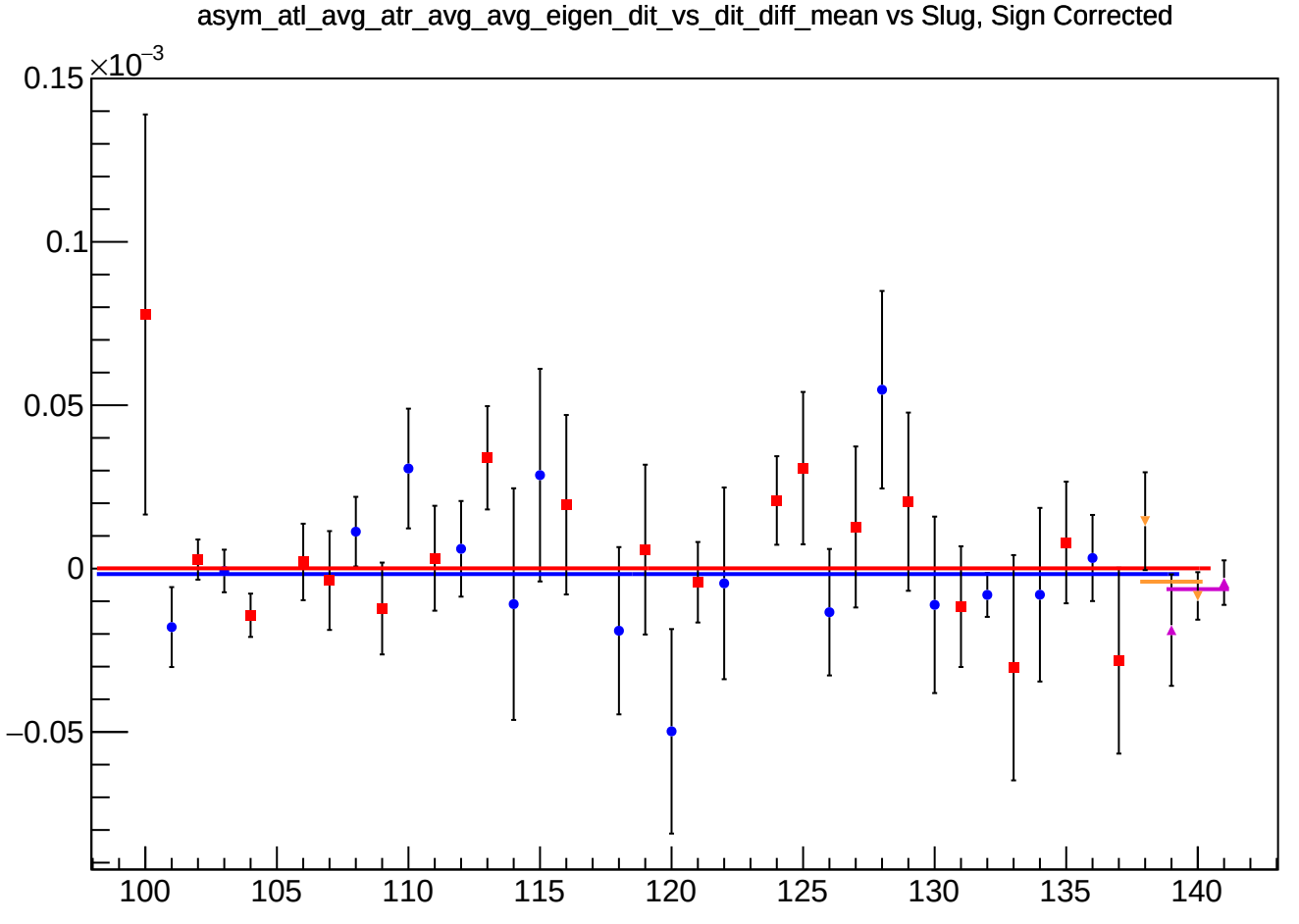
Left: 313.313+/-0.127 χ^2/NDF: 268907.5/3

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 175.835+/-0.045 χ^2/NDF:1905141.0/17

Out: 161.293+/-0.044 χ^2/NDF:3353695.9/20

All: 168.405+/-0.032 χ^2/NDF: 5311647.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/1

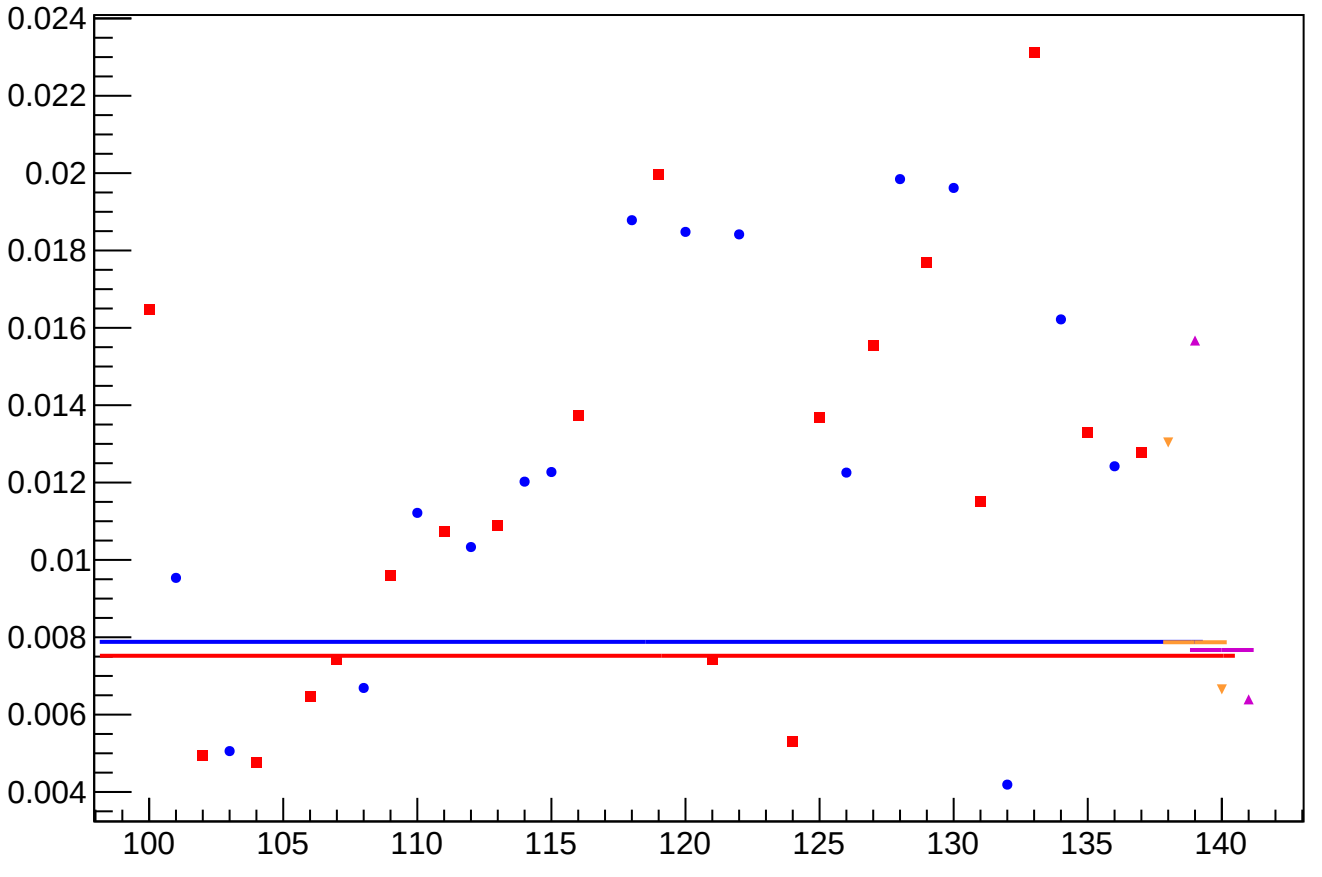
Left: -0.000+/-0.000 χ^2/NDF: 2.6/3

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:16.5/17

Out: -0.000+/-0.000 χ^2/NDF:22.1/20

All: -0.000+/-0.000 χ^2/NDF: 38.9/38



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:294385.6/1

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.008+/-0.000 χ^2/NDF:510064.9/1

Left: 0.008+/-0.000 χ^2/NDF: 805419.0/3

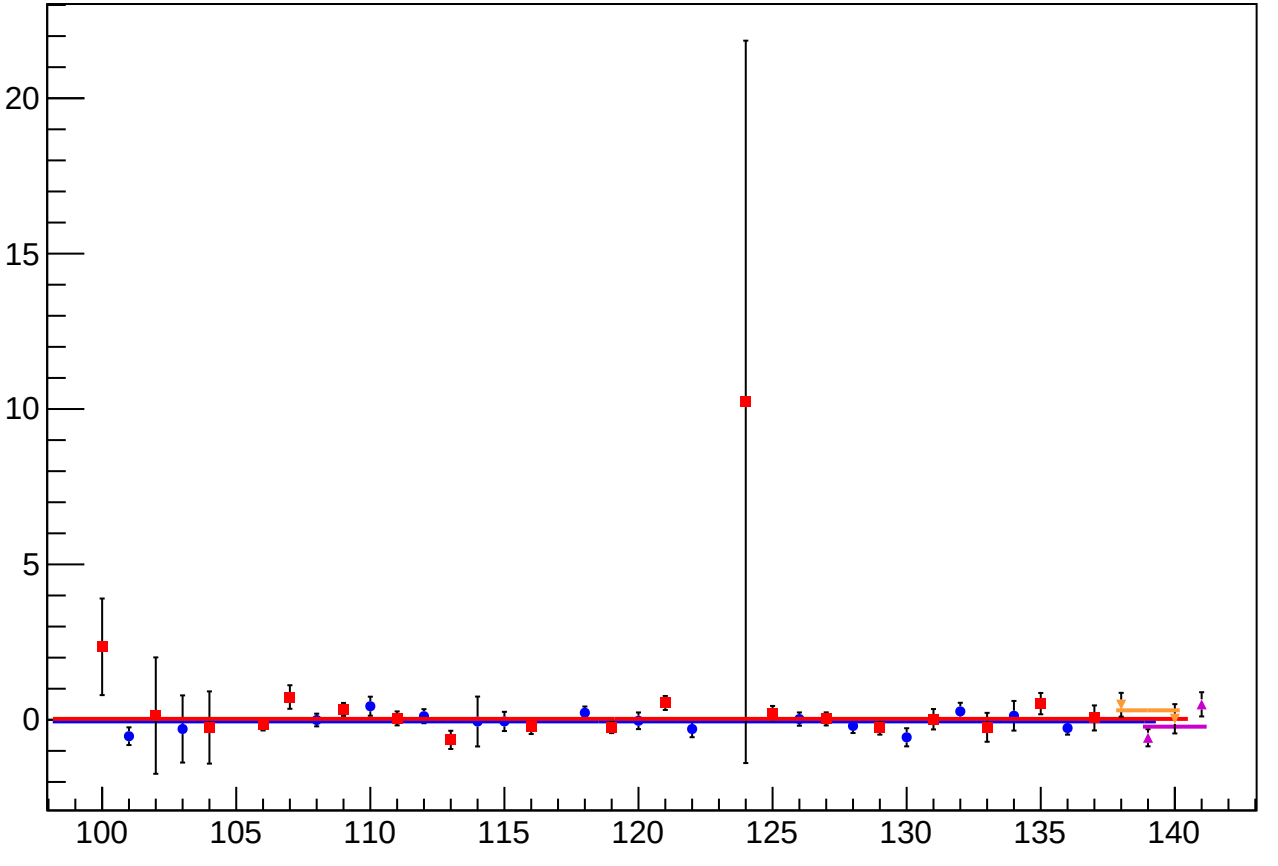
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.008+/-0.000 χ^2/NDF:3813515.9/17

Out: 0.008+/-0.000 χ^2/NDF:3274368.4/20

All: 0.008+/-0.000 χ^2/NDF: 7095097.3/38

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.305+/-0.297 χ^2/NDF:0.6/1

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.221+/-0.225 χ^2/NDF:5.1/1

Left: -0.029+/-0.179 χ^2/NDF: 7.6/3

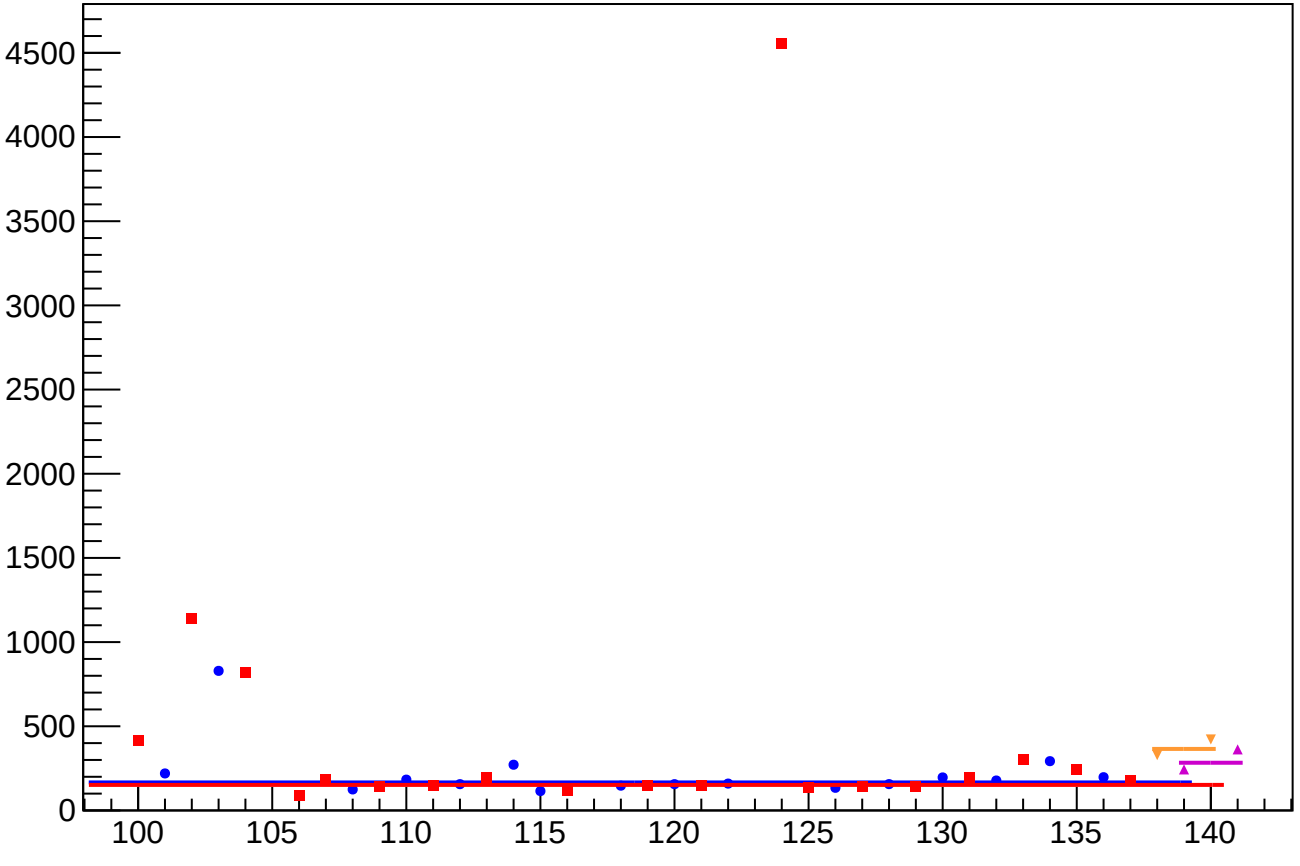
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.064 χ^2/NDF:20.5/17

Out: 0.041+/-0.063 χ^2/NDF:28.9/20

All: -0.011+/-0.045 χ^2/NDF: 50.8/38

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 365.501+/-0.210 χ^2/NDF:47200.8/1

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 283.379+/-0.159 χ^2/NDF:124385.5/1

Left: 313.318+/-0.127 χ^2/NDF: 268886.5/3

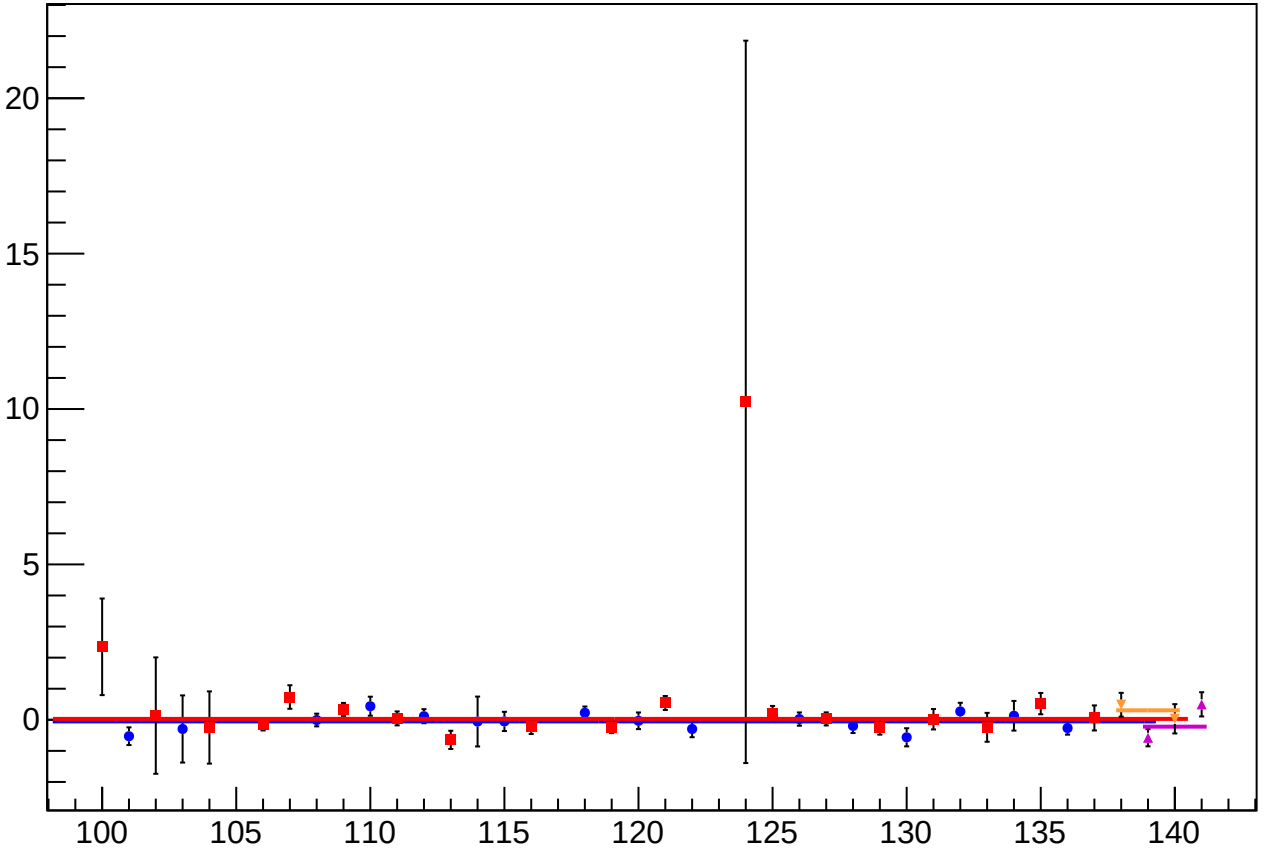
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 175.835+/-0.045 χ^2/NDF:1905162.2/17

Out: 161.292+/-0.044 χ^2/NDF:3353723.9/20

All: 168.404+/-0.032 χ^2/NDF: 5311702.5/38

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.305+/-0.297 χ^2/NDF:0.6/1

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.221+/-0.225 χ^2/NDF:5.1/1

Left: -0.029+/-0.179 χ^2/NDF: 7.6/3

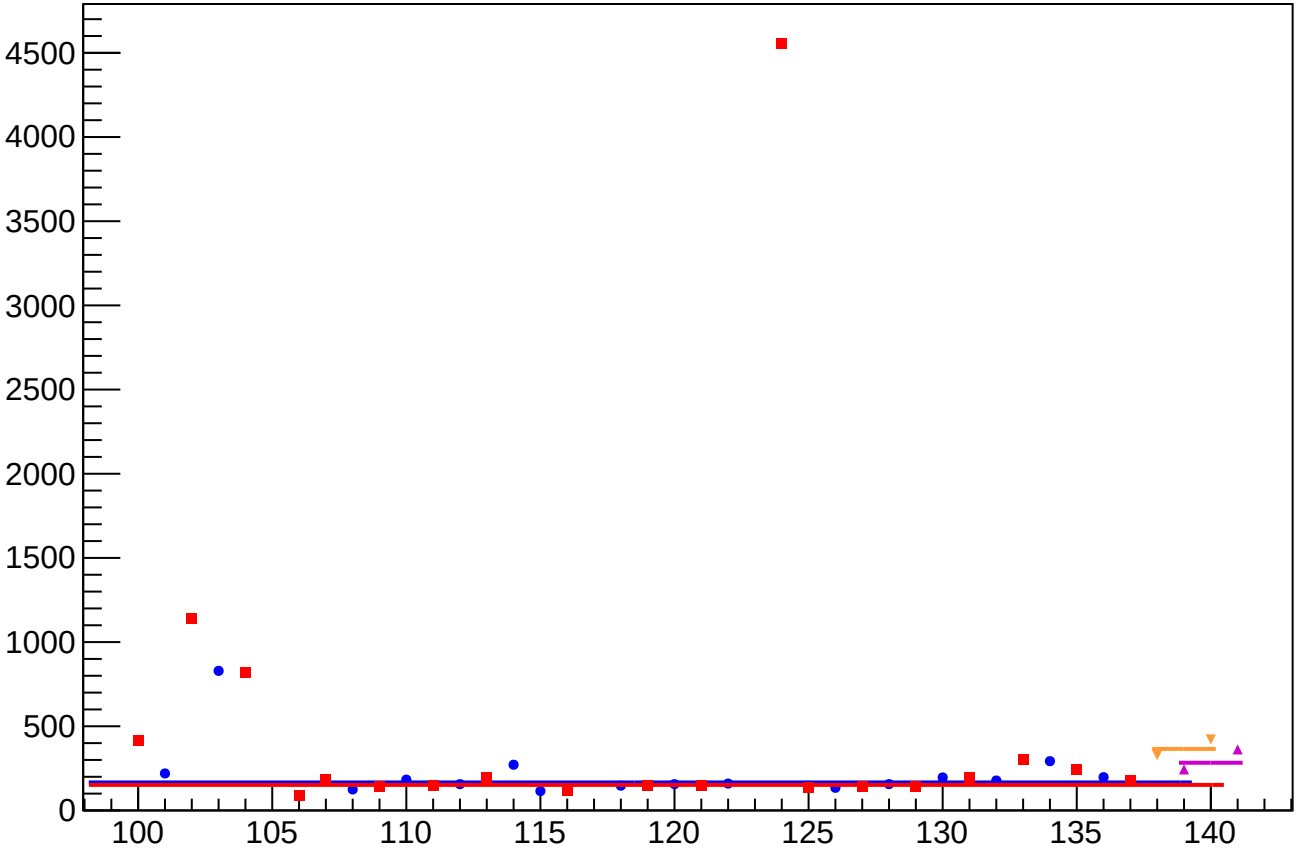
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.064 χ^2/NDF:20.5/17

Out: 0.041+/-0.063 χ^2/NDF:28.9/20

All: -0.011+/-0.045 χ^2/NDF: 50.8/38

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 365.501+/-0.210 χ^2/NDF:47200.8/1

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 283.379+/-0.159 χ^2/NDF:124385.5/1

Left: 313.318+/-0.127 χ^2/NDF: 268886.5/3

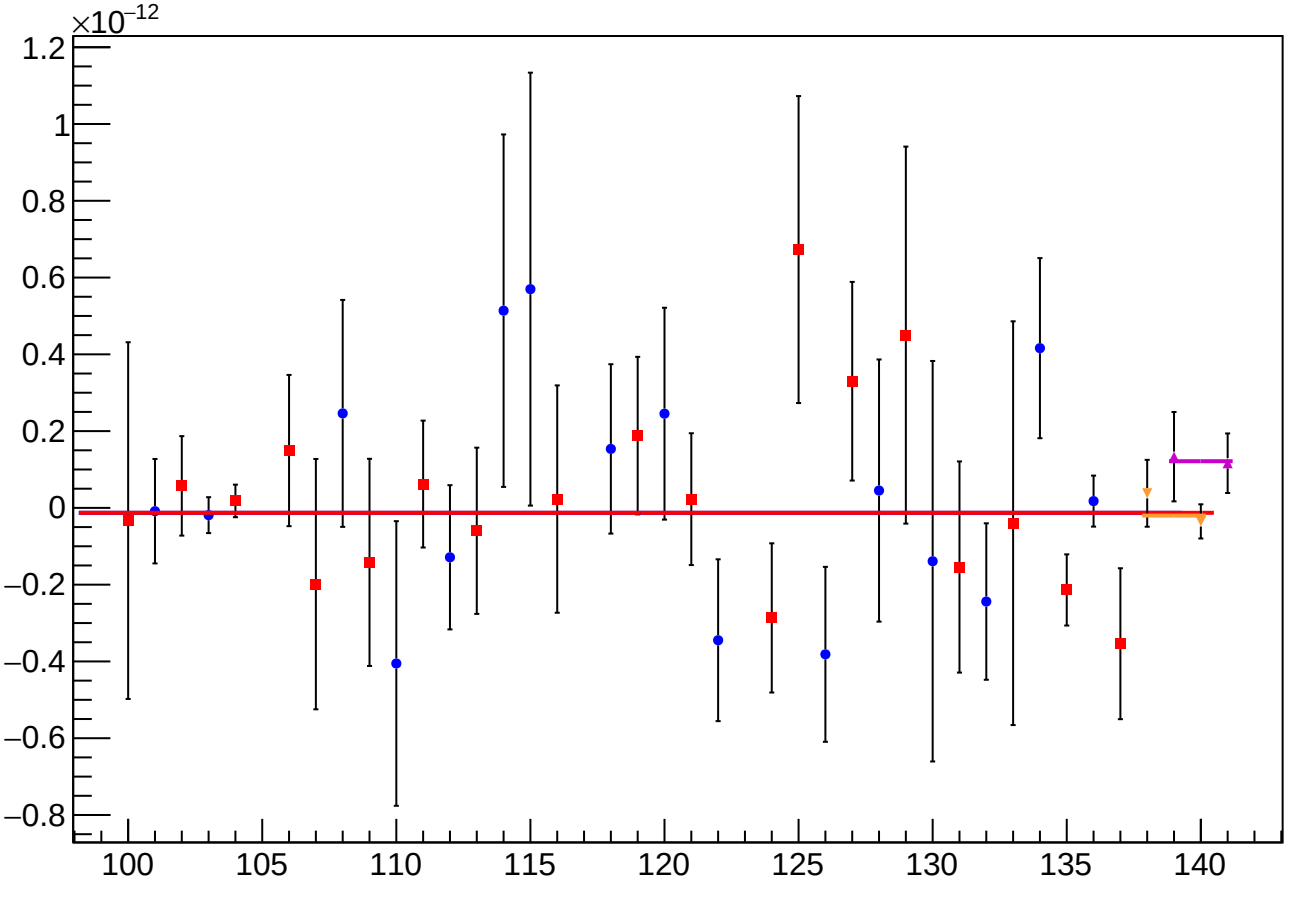
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 175.835+/-0.045 χ^2/NDF:1905162.2/17

Out: 161.292+/-0.044 χ^2/NDF:3353723.9/20

All: 168.404+/-0.032 χ^2/NDF: 5311702.5/38

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

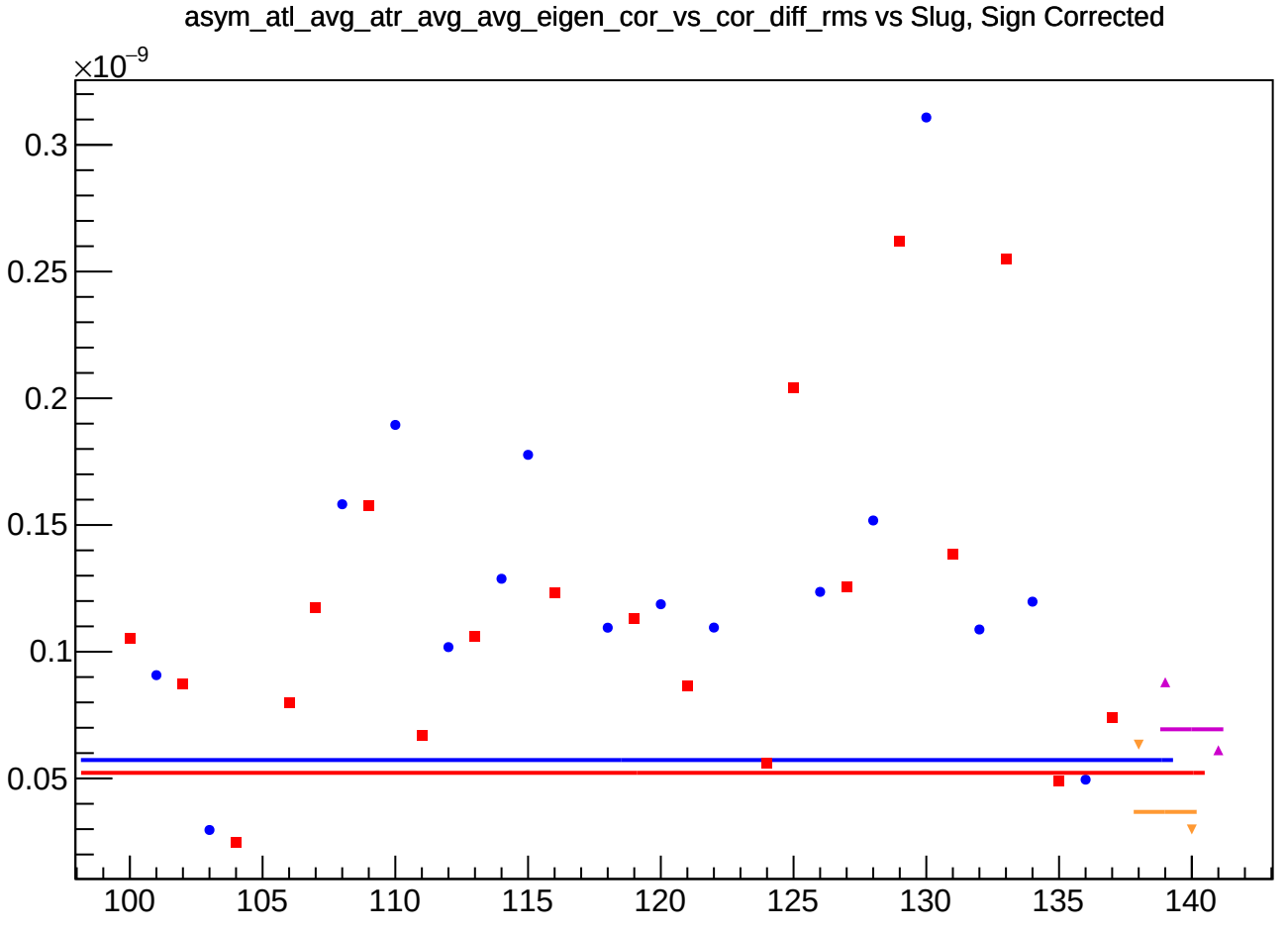
Left: 0.000+/-0.000 χ^2/NDF: 4.1/3

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: 0.000+/-0.000 χ^2/NDF:19.6/17

Out: -0.000+/-0.000 χ^2/NDF:19.5/20

All: -0.000+/-0.000 χ^2/NDF: 39.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:233907.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:73537.6/1

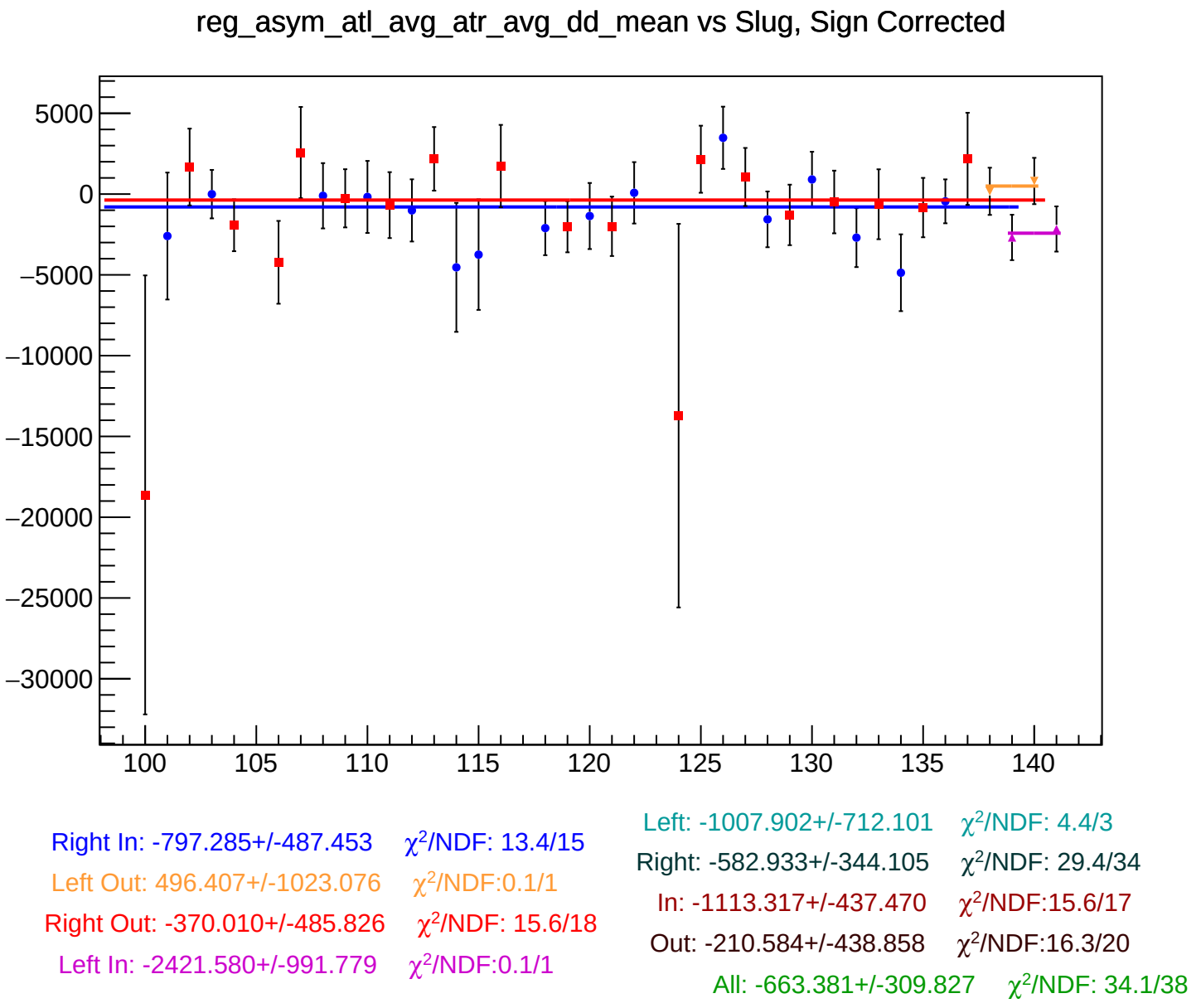
Left: 0.000+/-0.000 χ^2/NDF: 677345.2/3

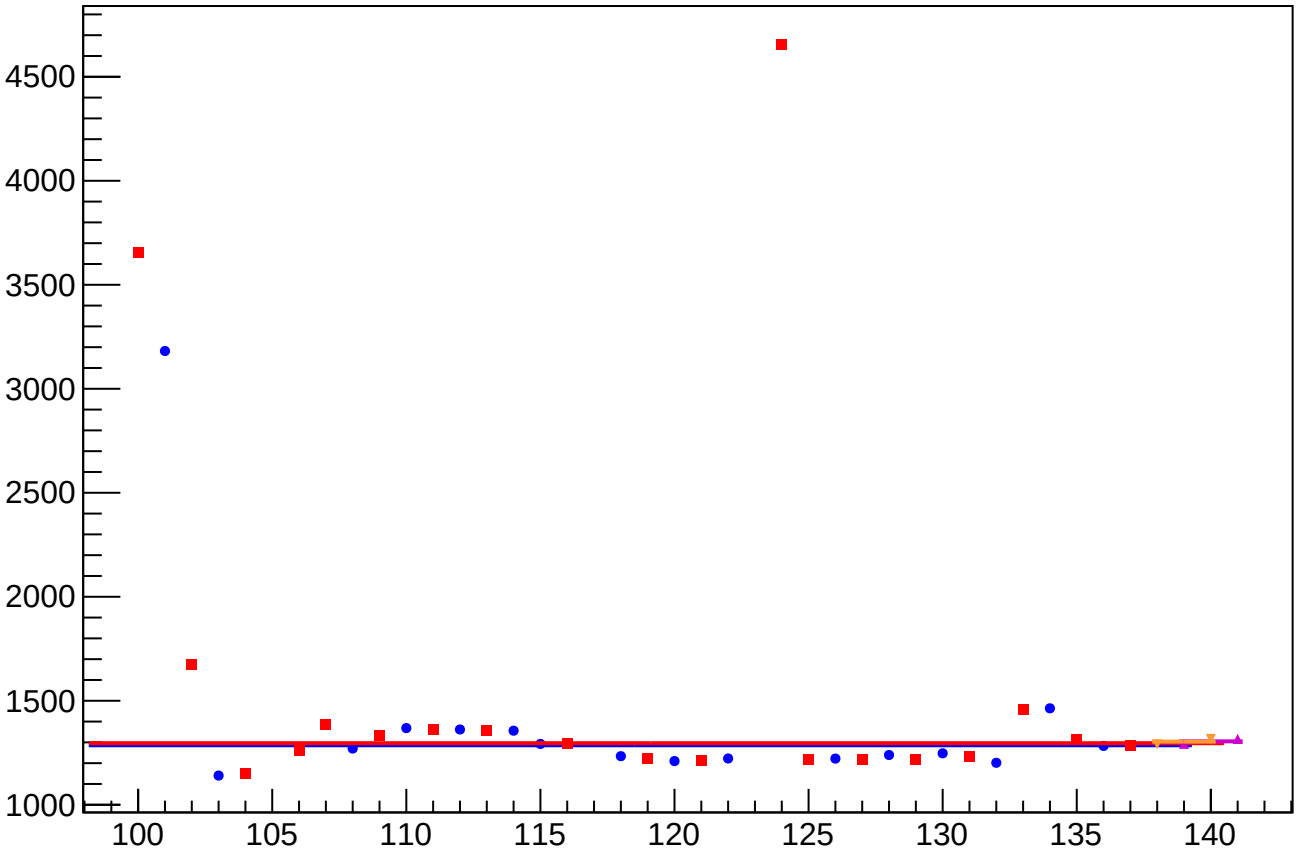
Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3112659.0/17

Out: 0.000+/-0.000 χ^2/NDF:3706804.8/20

All: 0.000+/-0.000 χ^2/NDF: 7068214.5/38


reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: 496.407+/-1023.076 χ²/NDF:0.1/1
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -2421.580+/-991.779 χ²/NDF:0.1/1
Left: -1007.902+/-712.101 χ²/NDF: 4.4/3
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -1113.317+/-437.470 χ²/NDF:15.6/17
Out: -210.584+/-438.858 χ²/NDF:16.3/20
All: -663.381+/-309.827 χ²/NDF: 34.1/38



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

Left: 1304.276+/-0.504 χ^2/NDF: 607.3/3

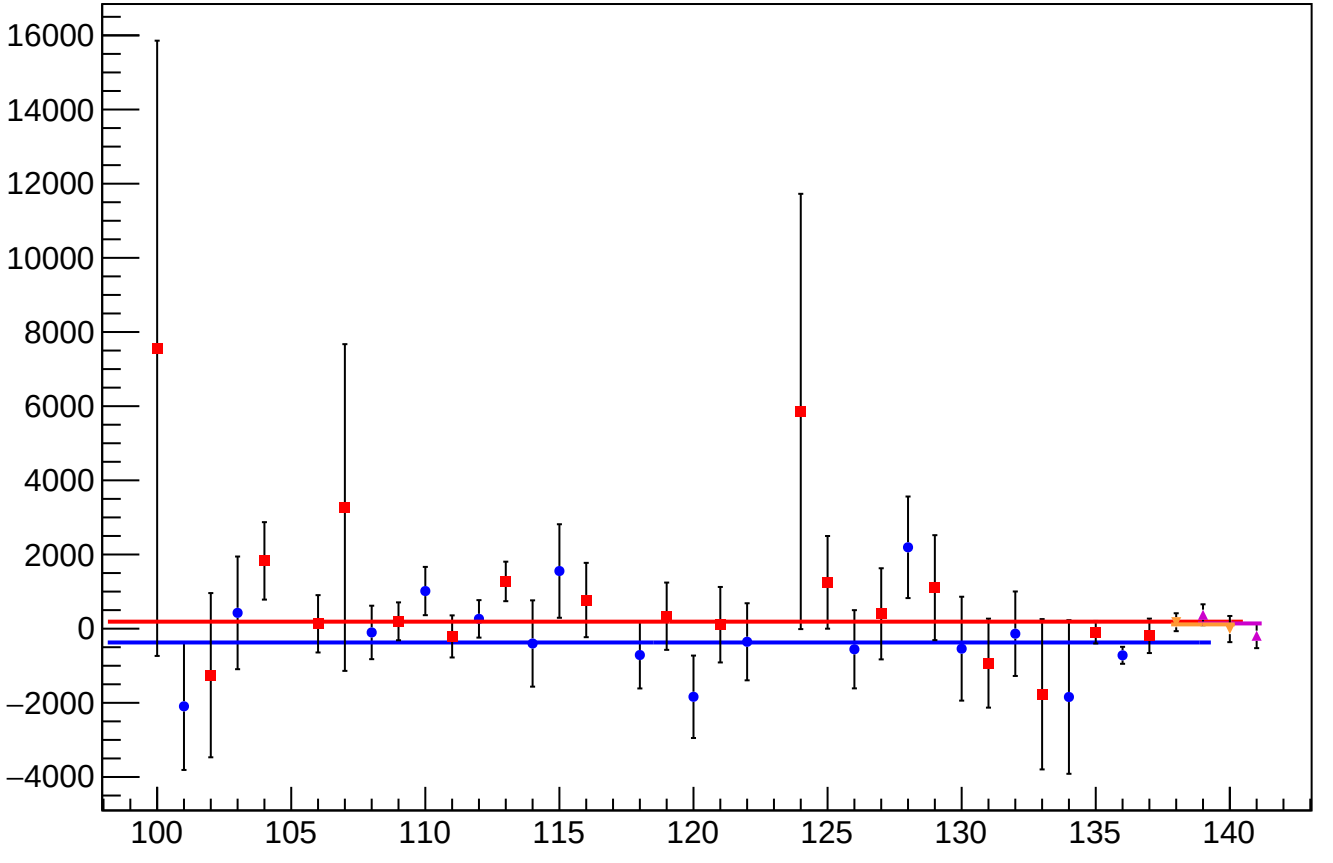
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1289.759+/-0.309 χ^2/NDF:518995.4/17

Out: 1297.351+/-0.310 χ^2/NDF:328478.4/20

All: 1293.543+/-0.219 χ^2/NDF: 847774.0/38

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 115.367+/-199.294 χ^2/NDF:0.2/1

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 140.955+/-215.928 χ^2/NDF:1.7/1

Left: 127.137+/-146.450 χ^2/NDF: 1.9/3

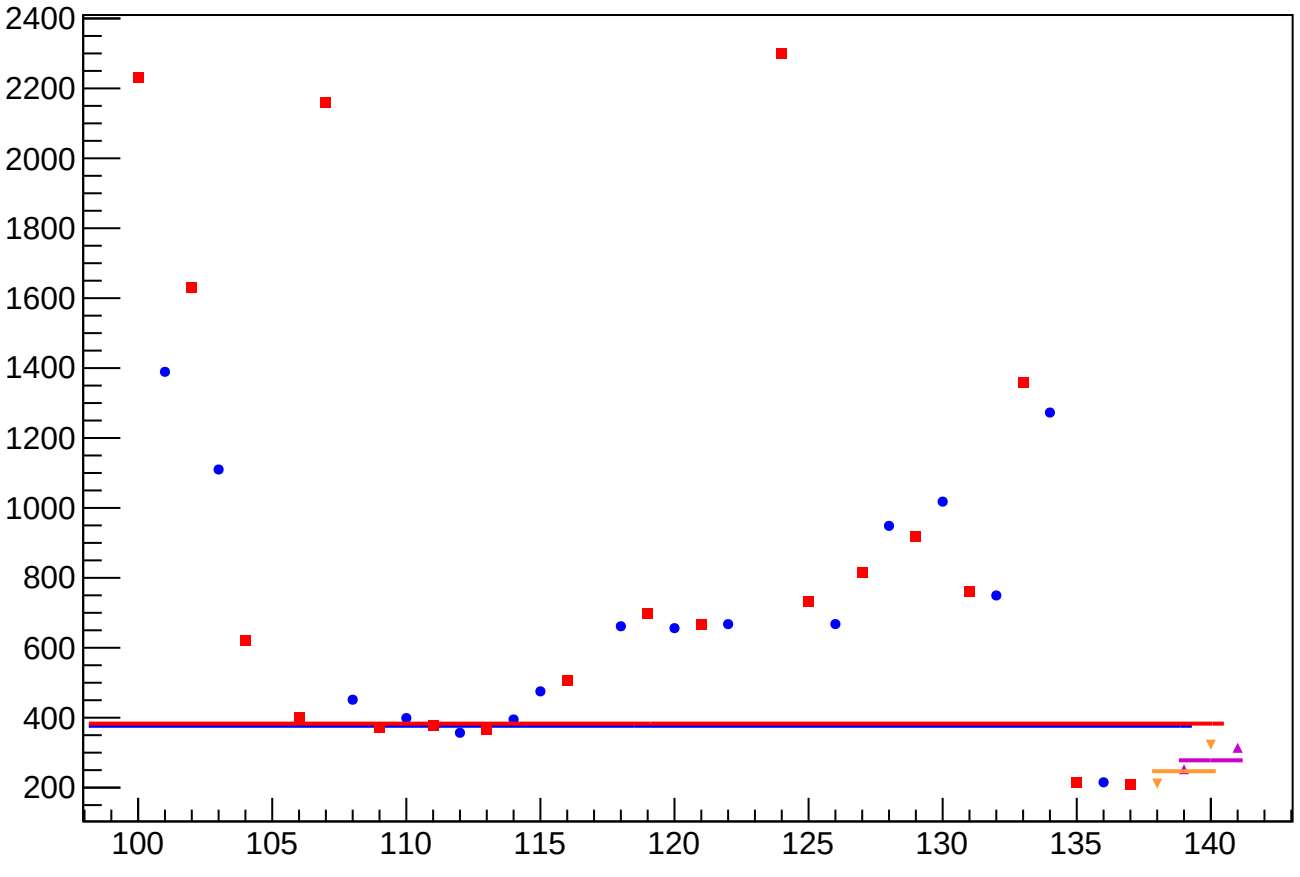
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -178.486+/-132.695 χ^2/NDF:23.3/17

Out: 158.046+/-129.150 χ^2/NDF:14.9/20

All: -5.665+/-92.551 χ^2/NDF: 41.5/38

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 246.956+/-0.141 χ^2/NDF:135028.7/1

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 278.092+/-0.153 χ^2/NDF:39183.4/1

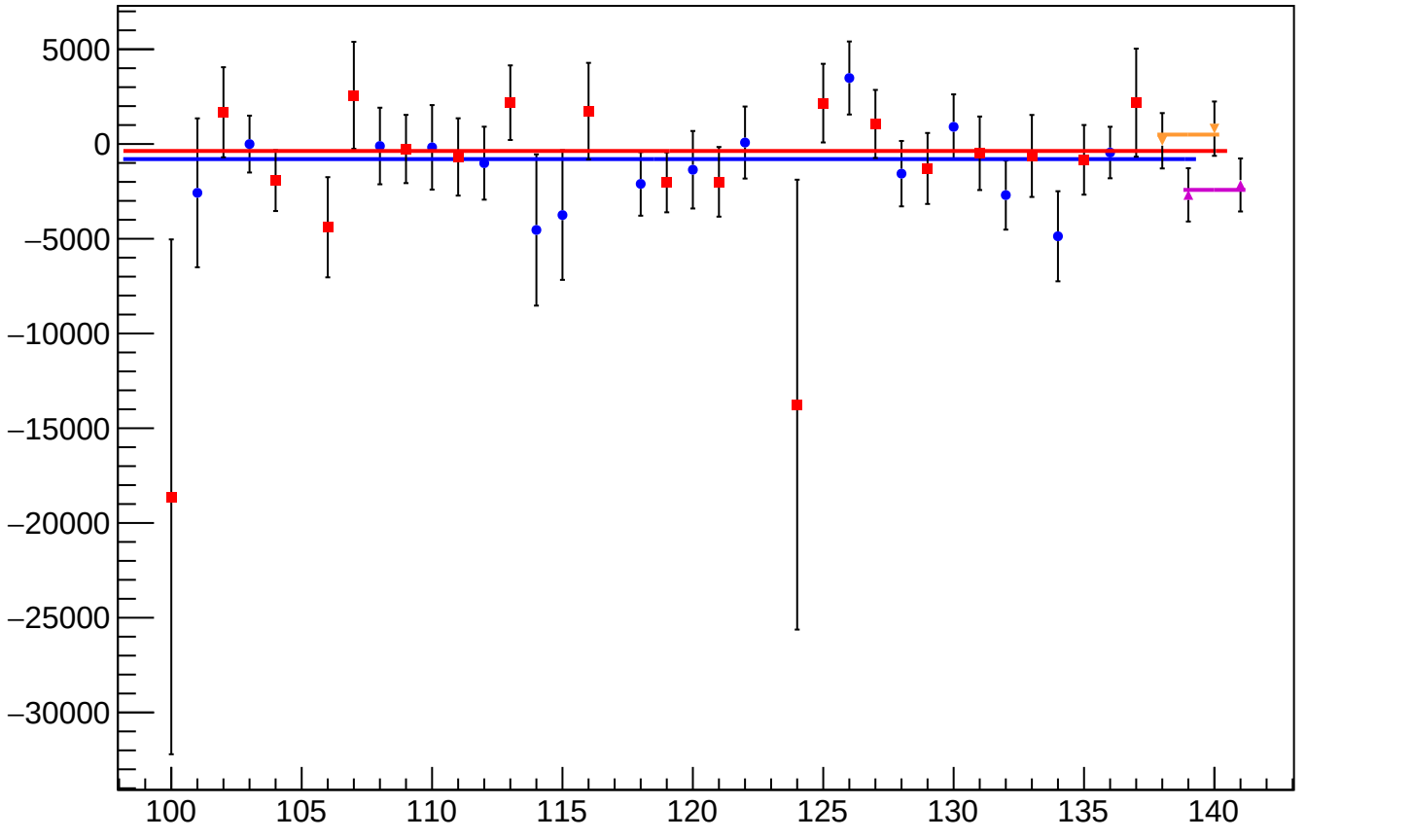
Left: 261.279+/-0.104 χ^2/NDF: 196667.1/3

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 339.581+/-0.094 χ^2/NDF:4489974.5/17

Out: 325.911+/-0.091 χ^2/NDF:4730321.2/20

All: 332.561+/-0.065 χ^2/NDF: 9231195.6/38



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 496.446+/-1023.076 χ^2/NDF:0.1/1

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -2421.688+/-991.779 χ^2/NDF:0.1/1

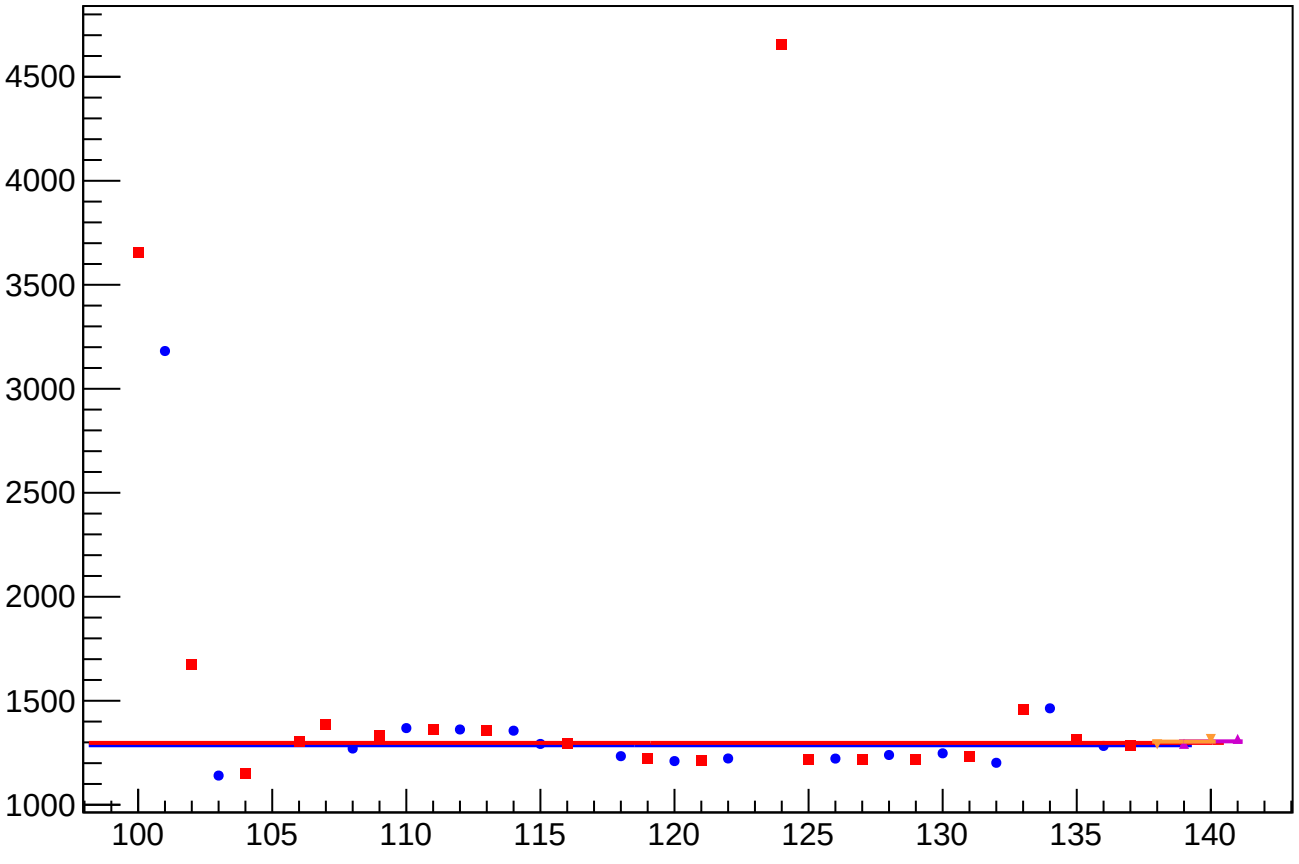
Left: -1007.939+/-712.101 χ^2/NDF: 4.4/3

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -1113.015+/-437.470 χ^2/NDF:15.6/17

Out: -208.230+/-439.243 χ^2/NDF:16.3/20

All: -662.452+/-309.963 χ^2/NDF: 34.1/38



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

Left: 1304.276+/-0.504 χ^2/NDF: 607.3/3

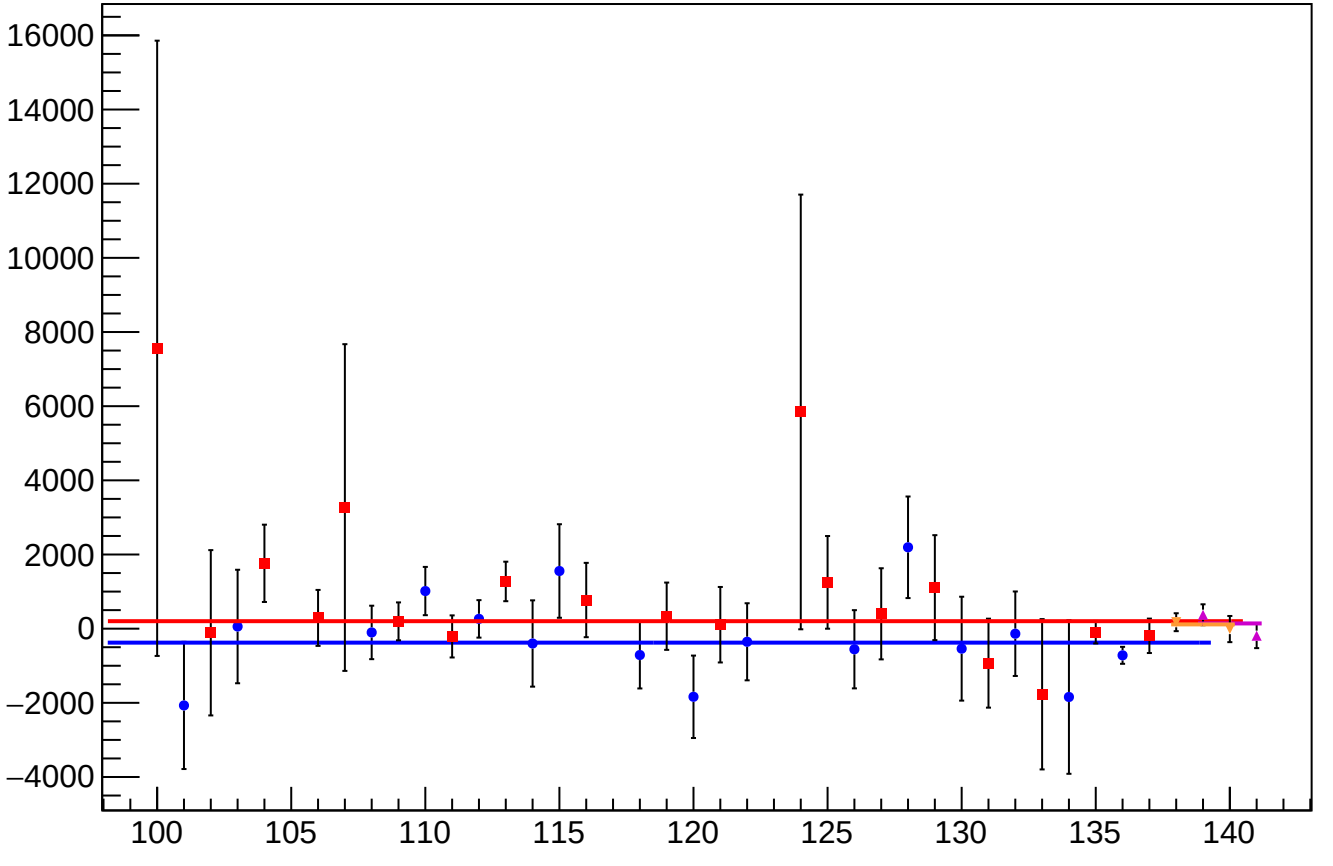
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.759+/-0.309 χ^2/NDF:518996.9/17

Out: 1298.537+/-0.311 χ^2/NDF:328118.8/20

All: 1294.130+/-0.219 χ^2/NDF: 847516.7/38

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 115.438+/-199.299 χ^2/NDF:0.2/1

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 141.120+/-215.928 χ^2/NDF:1.7/1

Left: 127.252+/-146.452 χ^2/NDF: 1.9/3

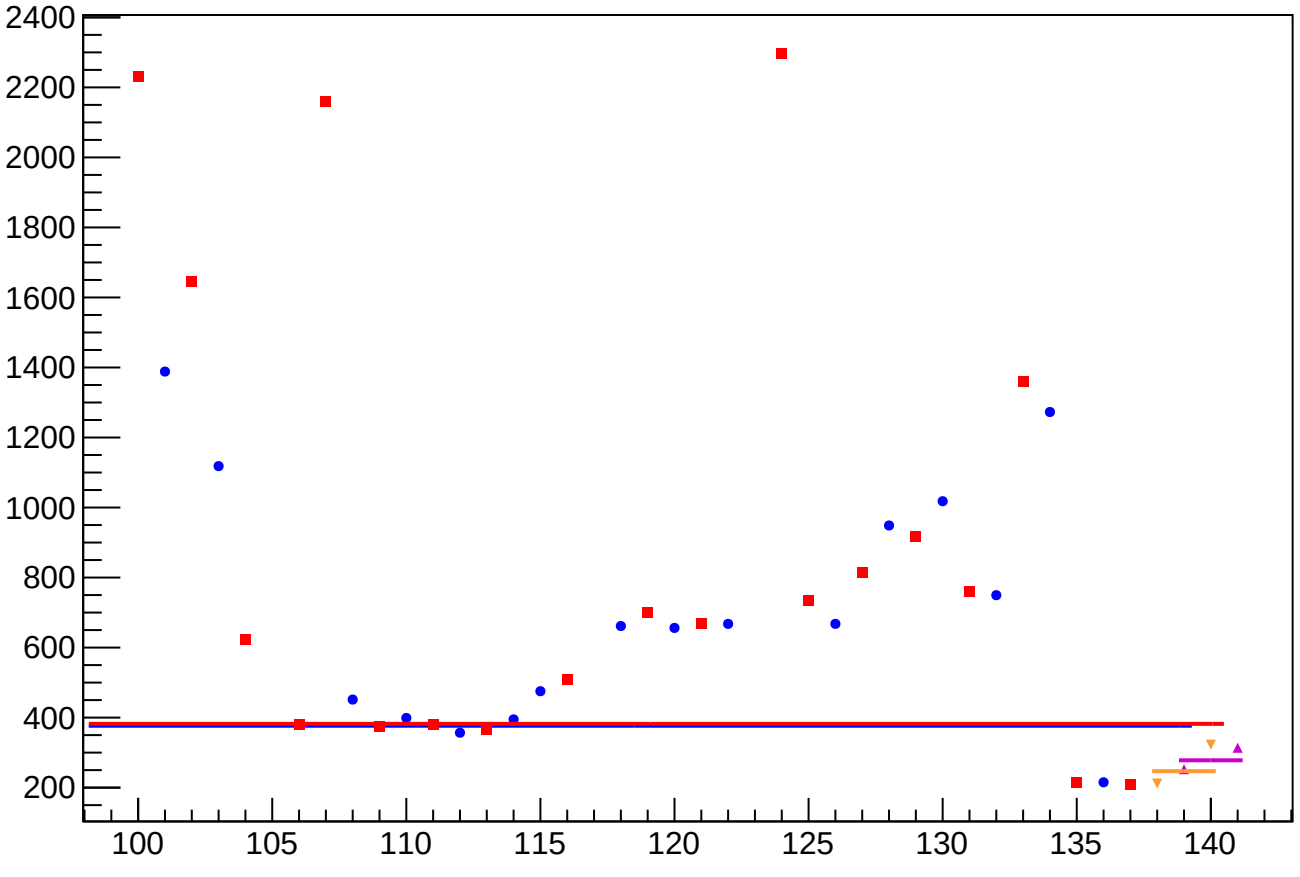
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -181.162+/-132.704 χ^2/NDF:23.2/17

Out: 165.782+/-129.064 χ^2/NDF:14.3/20

All: -2.866+/-92.522 χ^2/NDF: 41.0/38

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF:135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

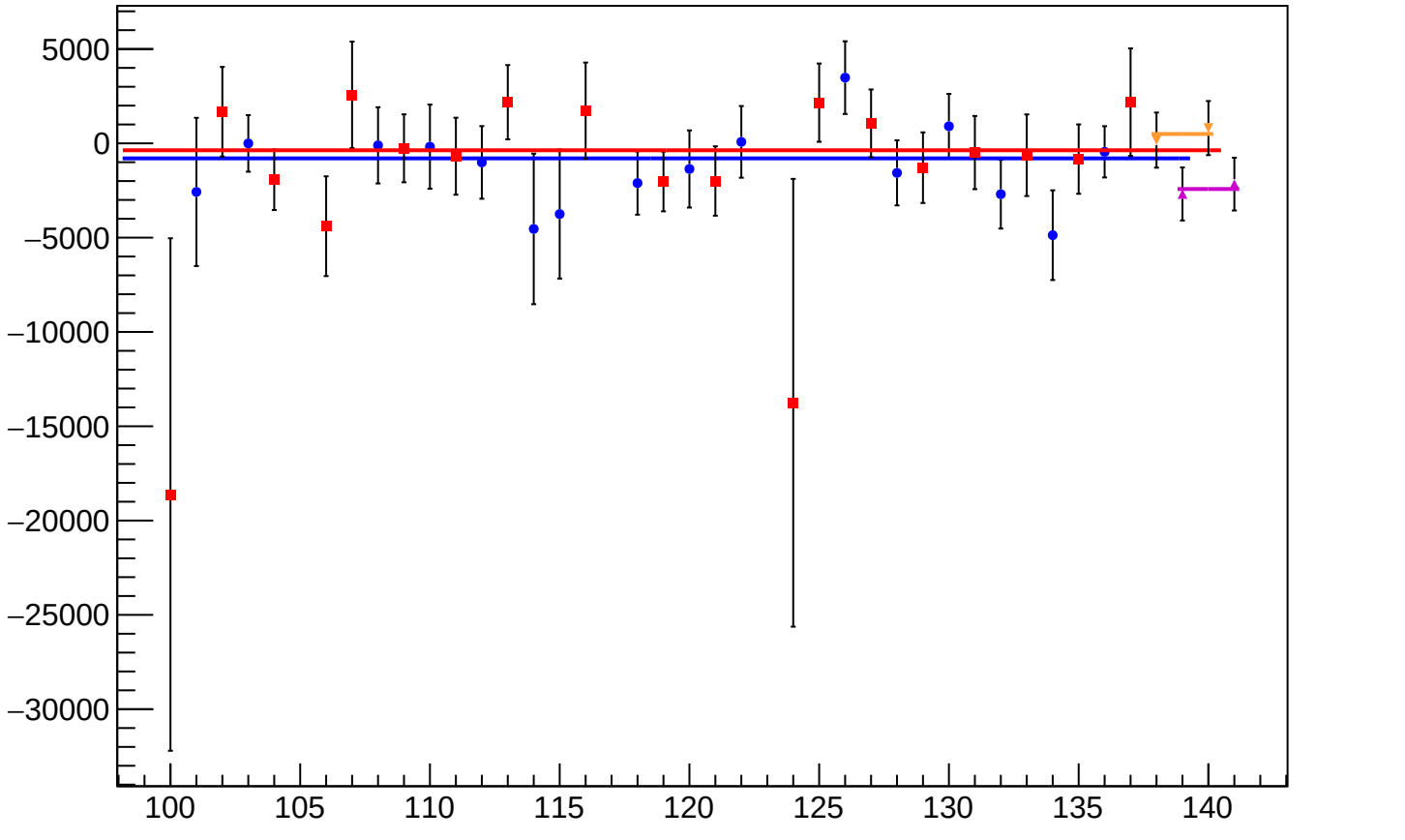
Left: 261.283+/-0.104 χ^2/NDF: 196648.3/3

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 339.570+/-0.094 χ^2/NDF:4493025.0/17

Out: 325.449+/-0.091 χ^2/NDF:4728821.9/20

All: 332.313+/-0.065 χ^2/NDF: 9233485.2/38



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 496.446+/-1023.076 χ^2/NDF:0.1/1

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -2421.688+/-991.779 χ^2/NDF:0.1/1

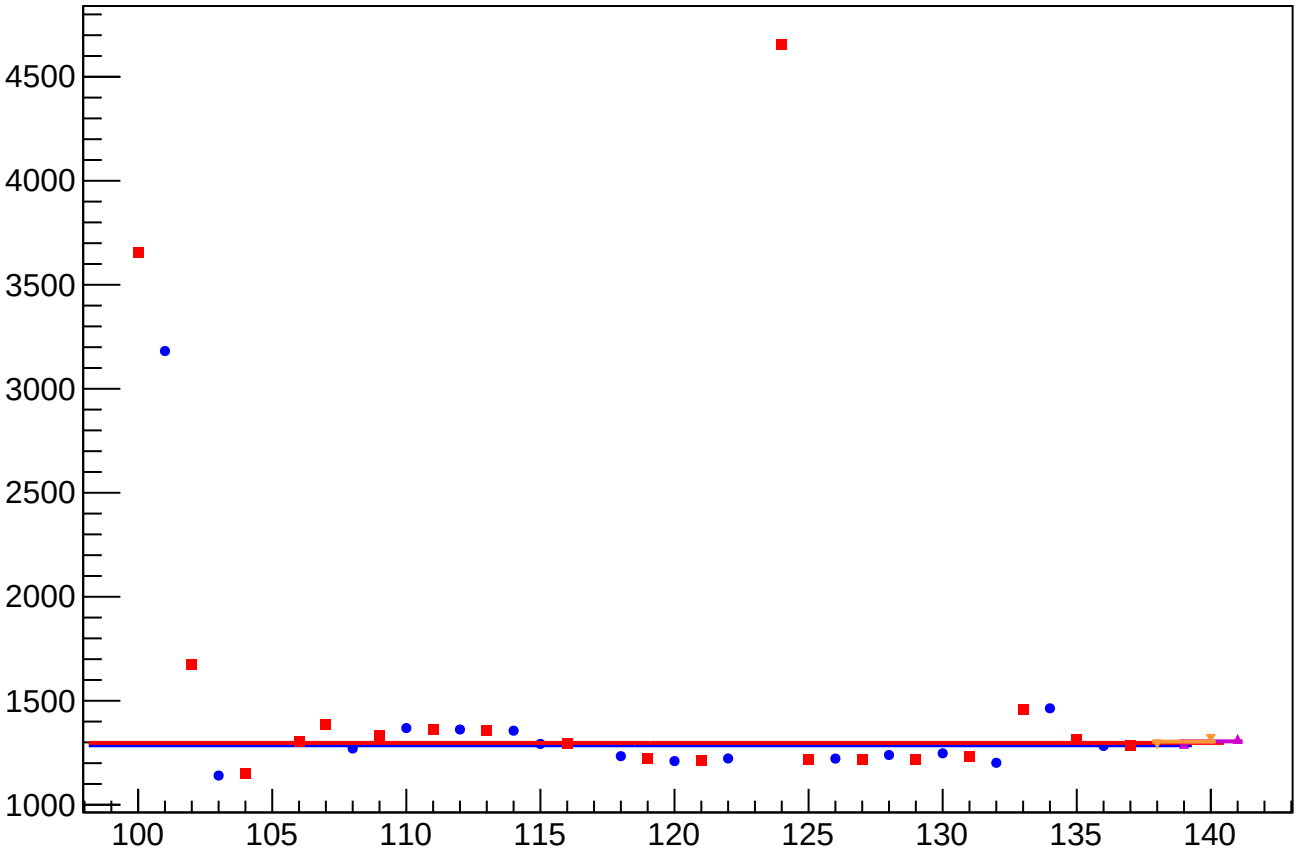
Left: -1007.939+/-712.101 χ^2/NDF: 4.4/3

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -1113.015+/-437.470 χ^2/NDF:15.6/17

Out: -208.230+/-439.243 χ^2/NDF:16.3/20

All: -662.452+/-309.963 χ^2/NDF: 34.1/38



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

Left: 1304.276+/-0.504 χ^2/NDF: 607.3/3

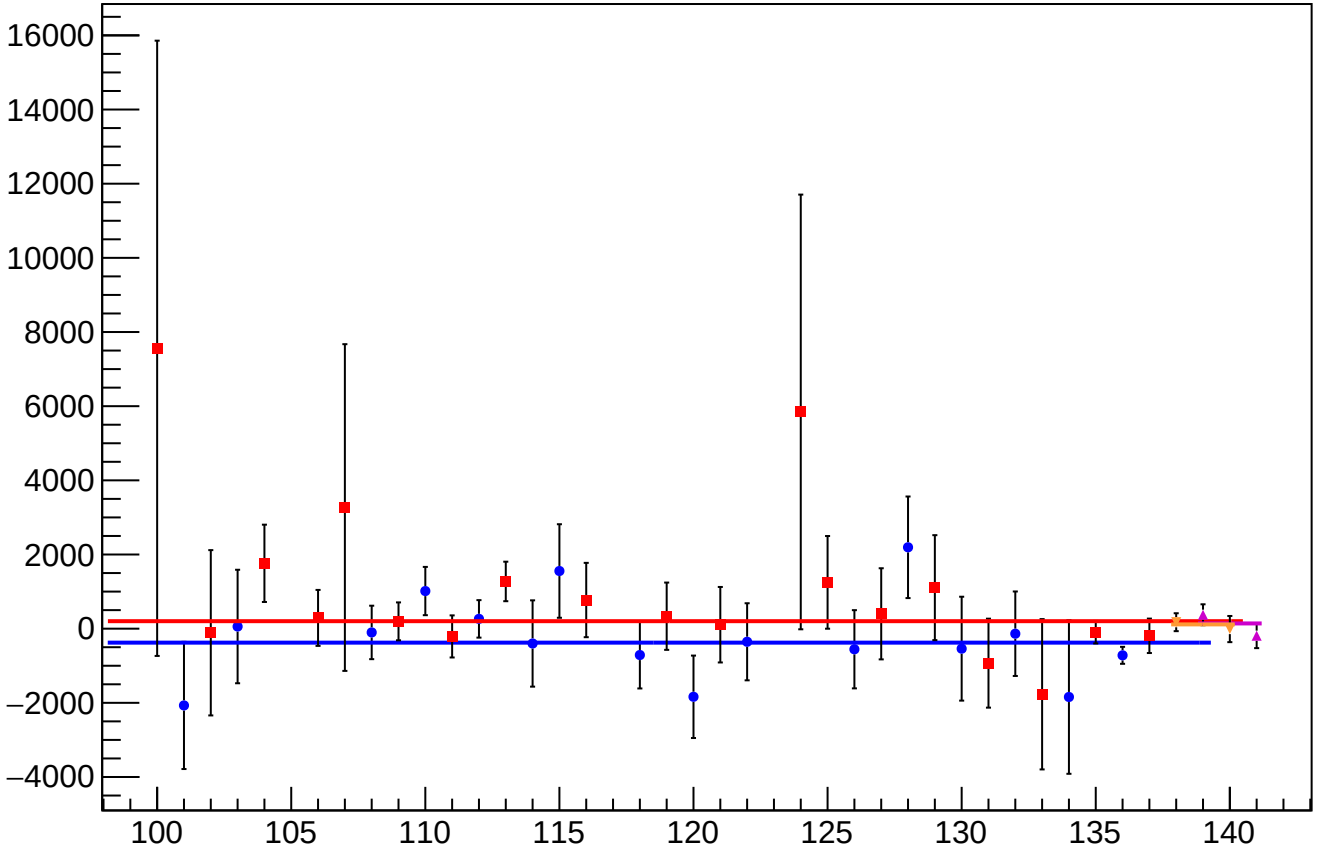
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.759+/-0.309 χ^2/NDF:518996.9/17

Out: 1298.537+/-0.311 χ^2/NDF:328118.8/20

All: 1294.130+/-0.219 χ^2/NDF: 847516.7/38

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 115.438+/-199.299 χ^2/NDF:0.2/1

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 141.120+/-215.928 χ^2/NDF:1.7/1

Left: 127.252+/-146.452 χ^2/NDF: 1.9/3

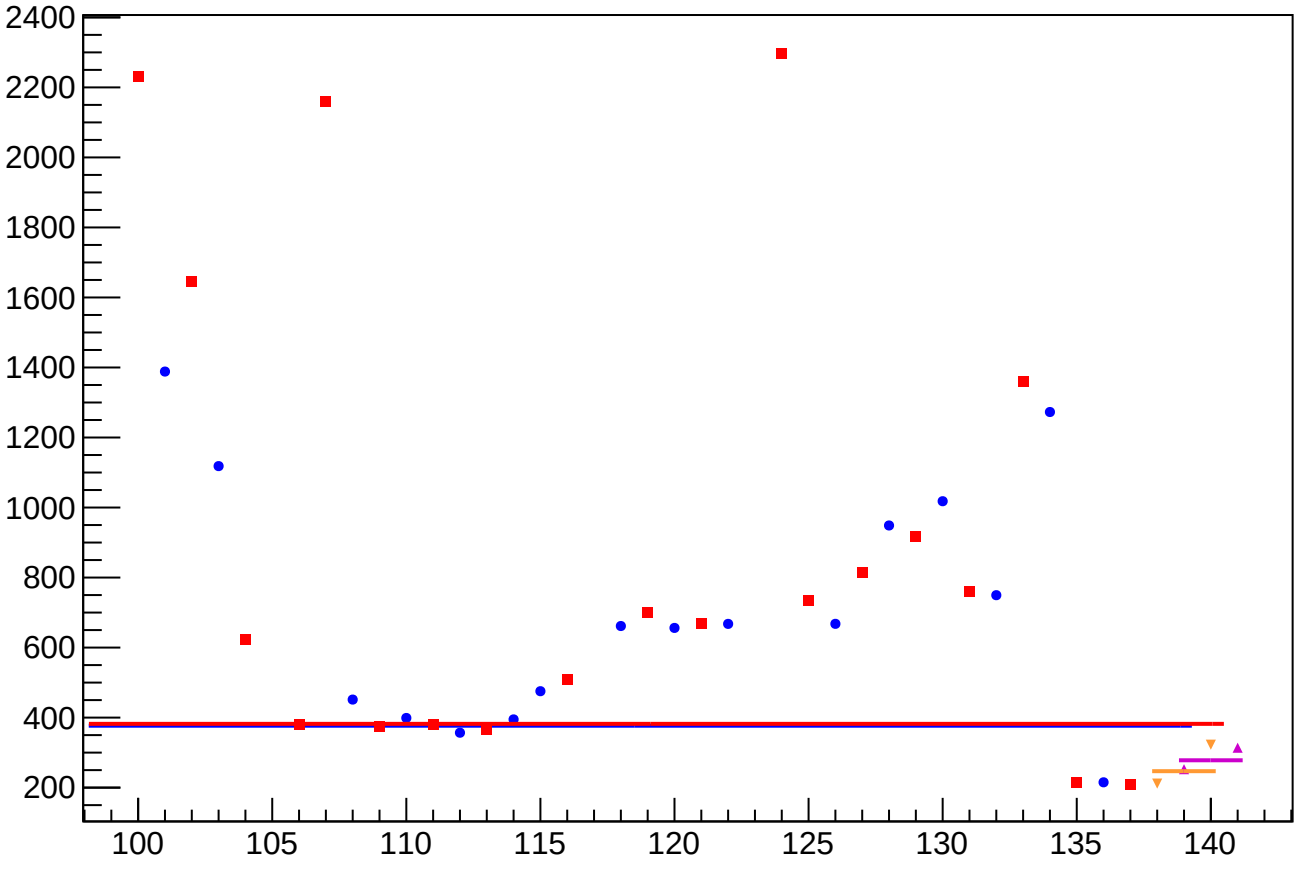
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -181.162+/-132.704 χ^2/NDF:23.2/17

Out: 165.782+/-129.064 χ^2/NDF:14.3/20

All: -2.866+/-92.522 χ^2/NDF: 41.0/38

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF:135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

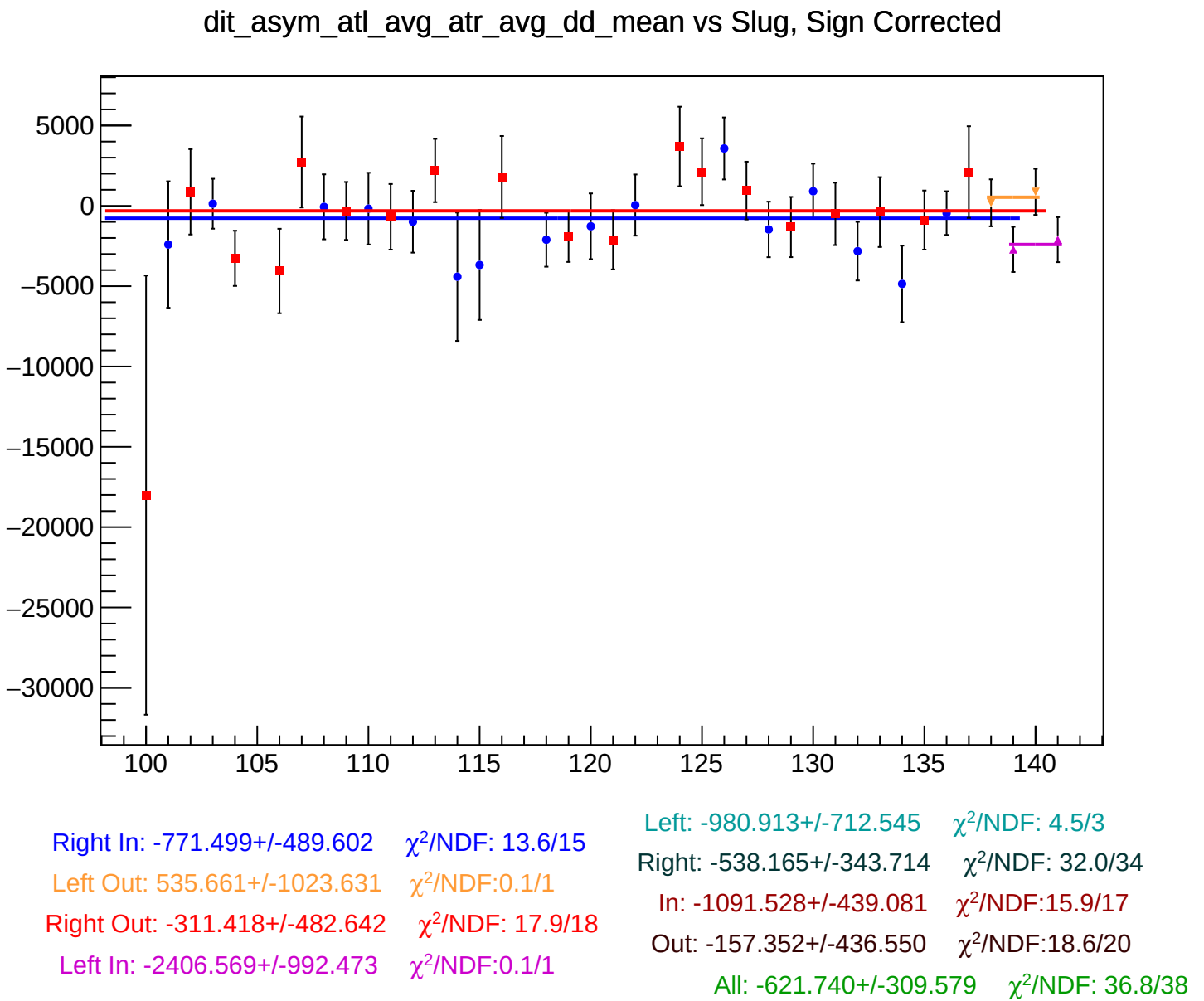
Left: 261.283+/-0.104 χ^2/NDF: 196648.3/3

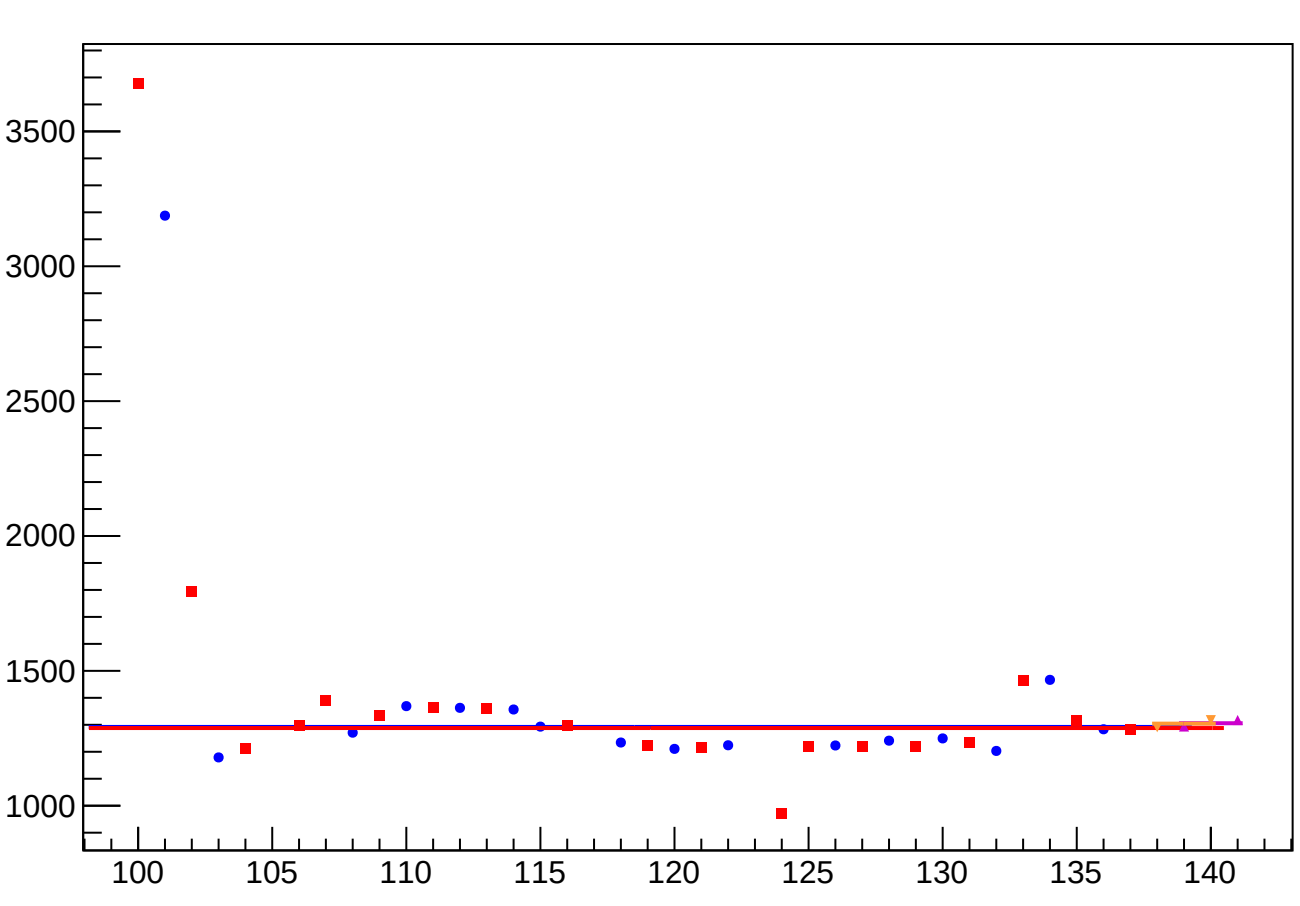
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 339.570+/-0.094 χ^2/NDF:4493025.0/17

Out: 325.449+/-0.091 χ^2/NDF:4728821.9/20

All: 332.313+/-0.065 χ^2/NDF: 9233485.2/38


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 535.661+/-1023.631 χ²/NDF:0.1/1
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -2406.569+/-992.473 χ²/NDF:0.1/1
Left: -980.913+/-712.545 χ²/NDF: 4.5/3
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -1091.528+/-439.081 χ²/NDF:15.9/17
Out: -157.352+/-436.550 χ²/NDF:18.6/20
All: -621.740+/-309.579 χ²/NDF: 36.8/38



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1304.299+/-0.724 χ^2/NDF:331.7/1

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1305.816+/-0.702 χ^2/NDF:295.2/1

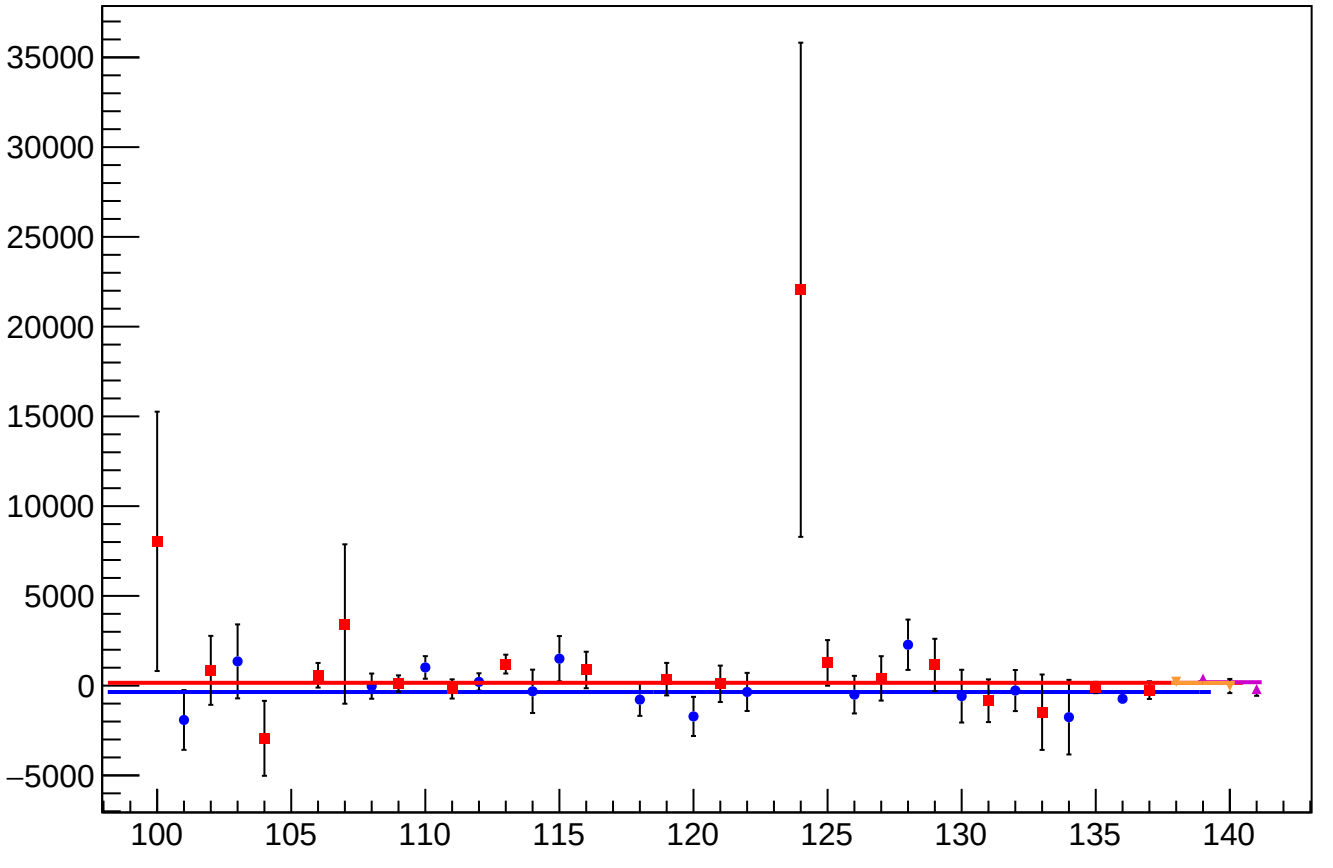
Left: 1305.081+/-0.504 χ^2/NDF: 629.1/3

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1294.735+/-0.310 χ^2/NDF:510011.5/17

Out: 1290.955+/-0.309 χ^2/NDF:209955.9/20

All: 1292.834+/-0.219 χ^2/NDF: 720041.9/38



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 151.762+/-207.157 χ^2/NDF:0.3/1

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 191.190+/-223.357 χ^2/NDF:1.6/1

Left: 169.995+/-151.887 χ^2/NDF: 1.8/3

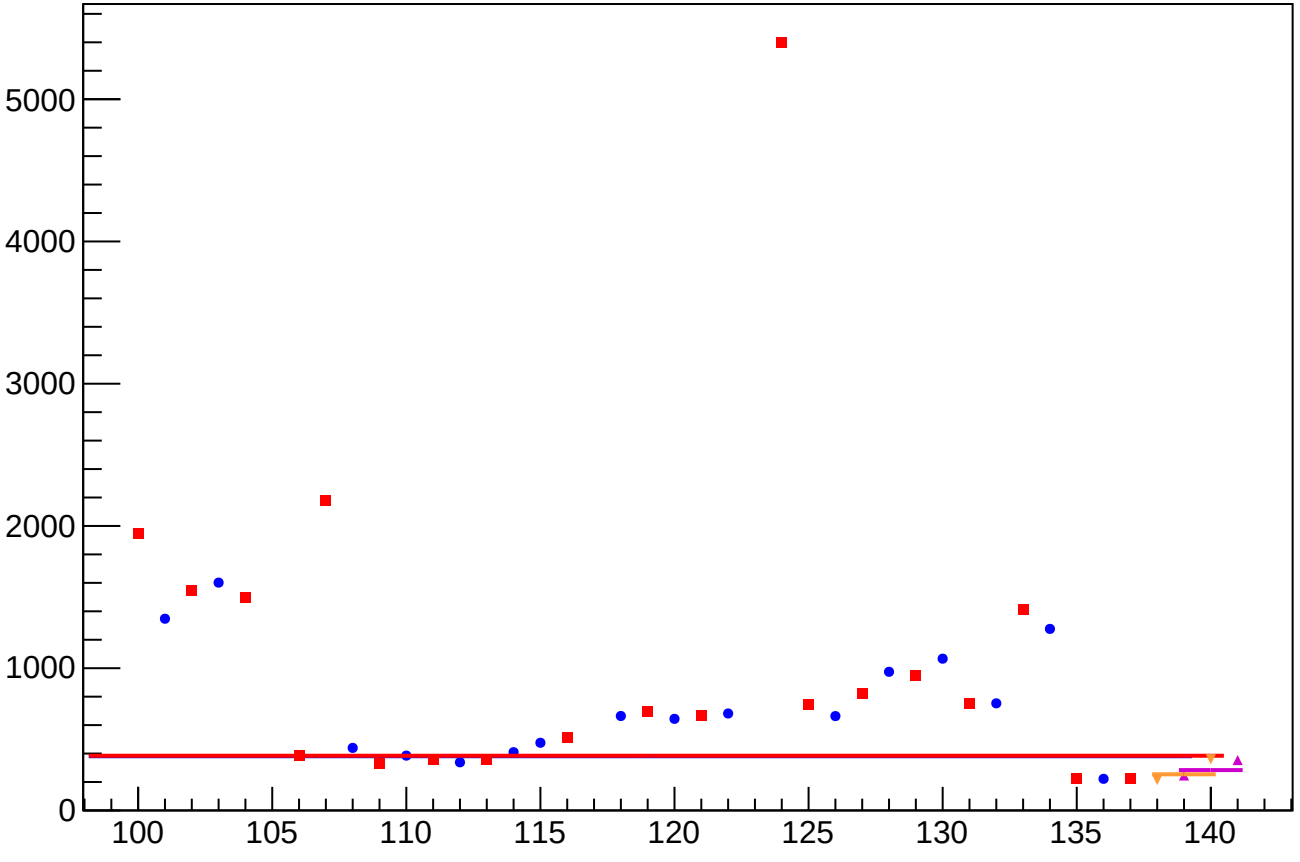
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -154.842+/-135.260 χ^2/NDF:23.8/17

Out: 155.450+/-131.259 χ^2/NDF:16.1/20

All: 4.961+/-94.197 χ^2/NDF: 42.6/38

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 254.208+/-0.146 χ^2/NDF:200321.8/1

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 283.807+/-0.158 χ^2/NDF:107020.9/1

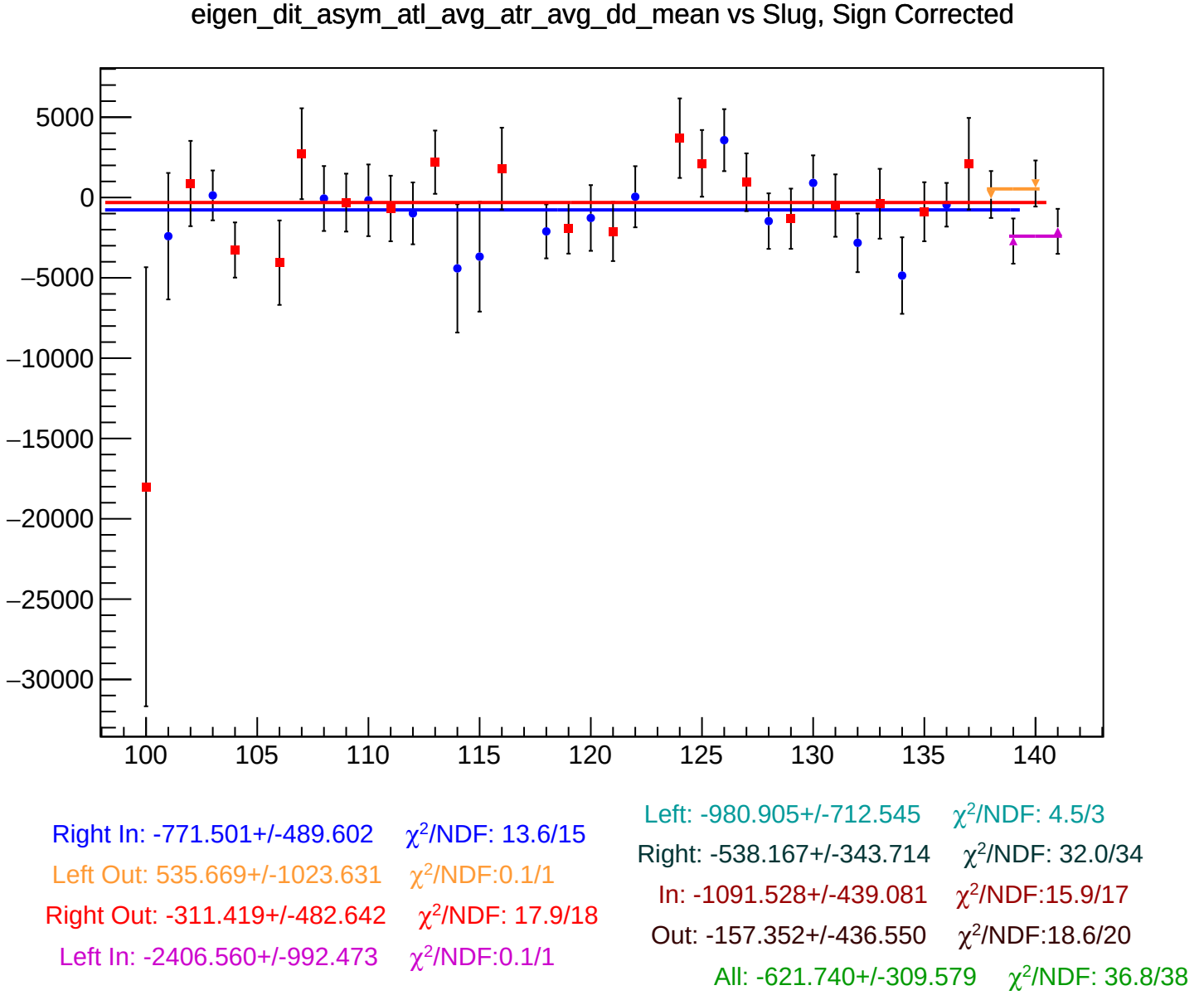
Left: 267.895+/-0.107 χ^2/NDF: 326223.3/3

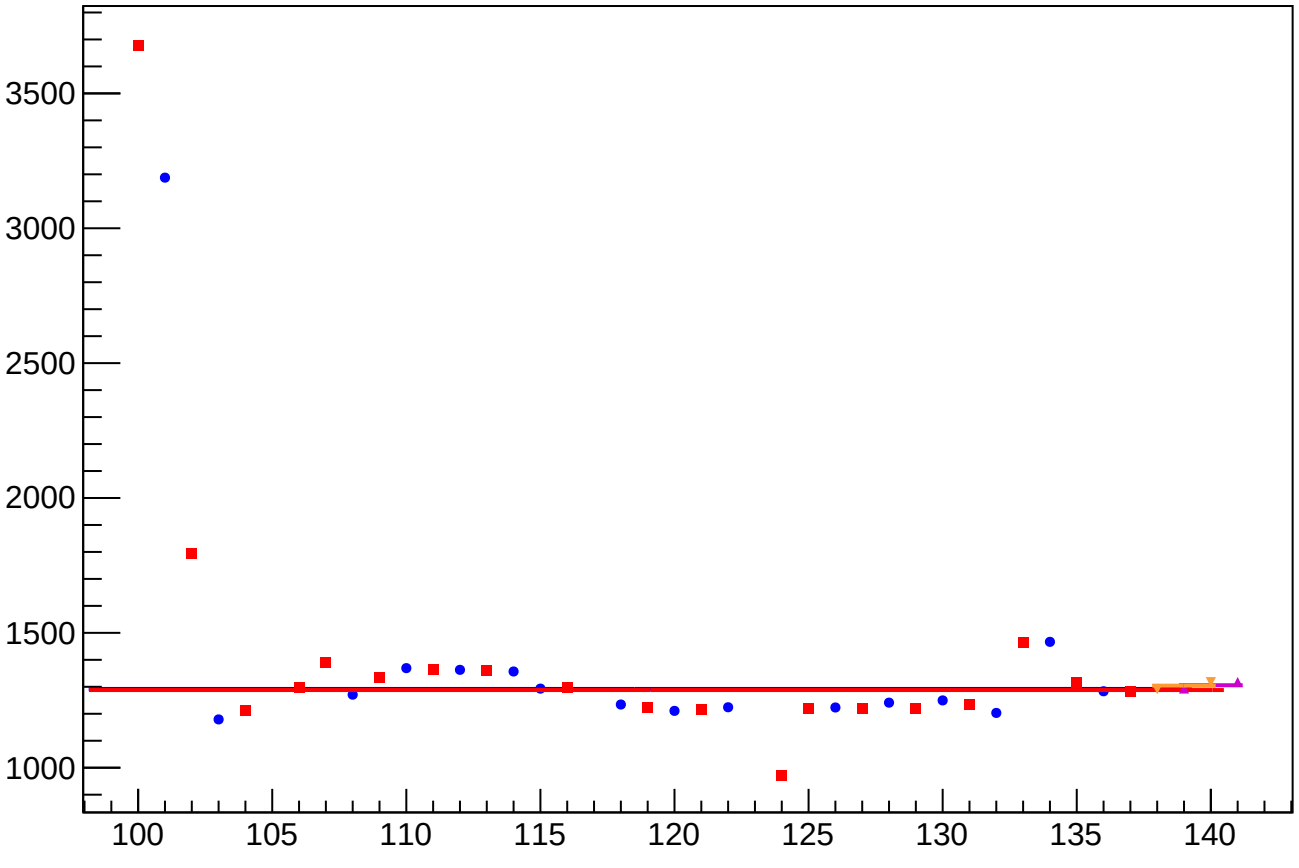
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 345.578+/-0.096 χ^2/NDF:4666493.7/17

Out: 332.281+/-0.093 χ^2/NDF:5235153.7/20

All: 338.730+/-0.067 χ^2/NDF: 9911602.2/38


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 535.669+/-1023.631 χ²/NDF:0.1/1
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -2406.560+/-992.473 χ²/NDF:0.1/1
Left: -980.905+/-712.545 χ²/NDF: 4.5/3
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -1091.528+/-439.081 χ²/NDF:15.9/17
Out: -157.352+/-436.550 χ²/NDF:18.6/20
All: -621.740+/-309.579 χ²/NDF: 36.8/38



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1304.299+/-0.724 χ^2/NDF:331.7/1

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1305.816+/-0.702 χ^2/NDF:295.2/1

Left: 1305.081+/-0.504 χ^2/NDF: 629.2/3

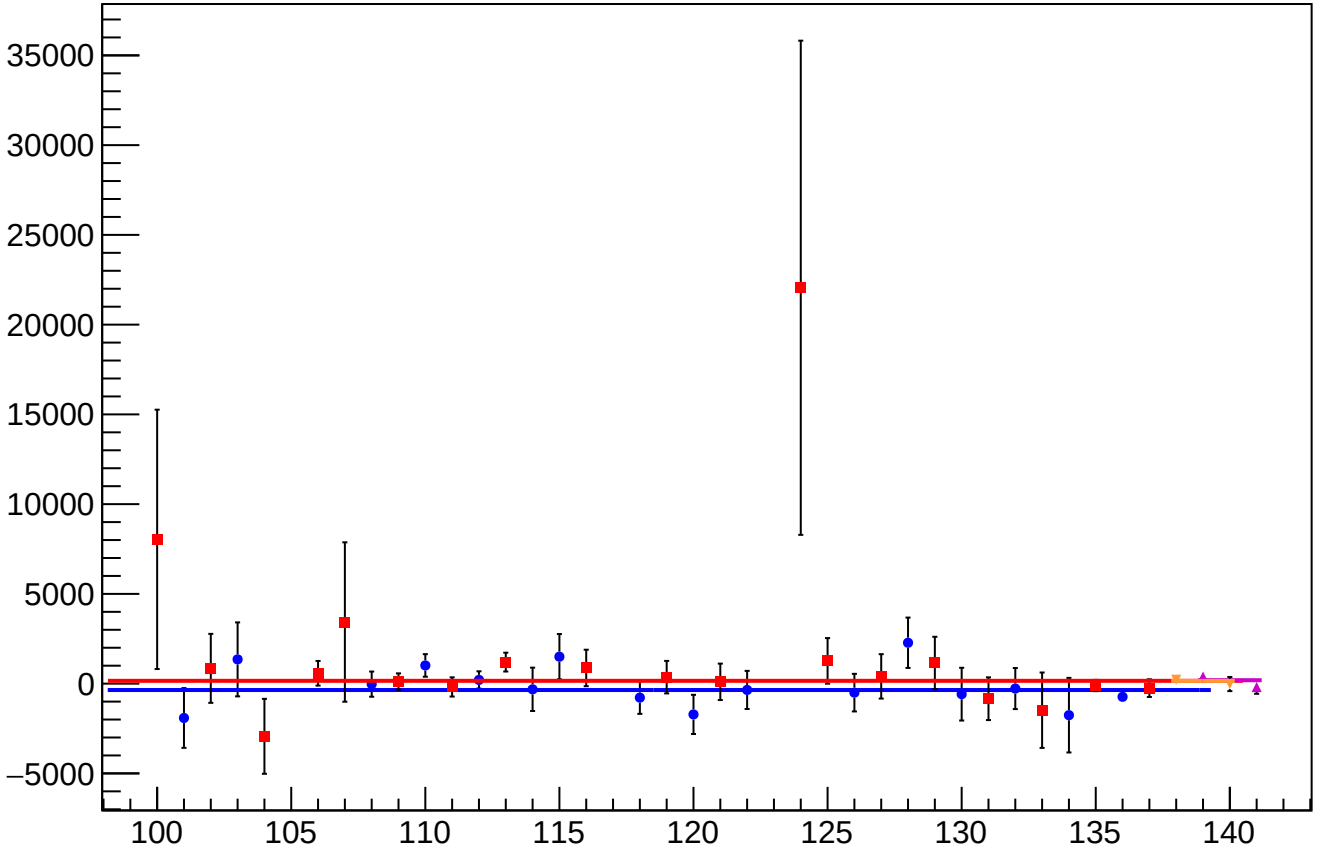
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1294.735+/-0.310 χ^2/NDF:510011.5/17

Out: 1290.955+/-0.309 χ^2/NDF:209956.2/20

All: 1292.834+/-0.219 χ^2/NDF: 720042.2/38

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 151.769+/-207.167 χ^2/NDF:0.3/1

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 191.194+/-223.367 χ^2/NDF:1.6/1

Left: 170.000+/-151.894 χ^2/NDF: 1.8/3

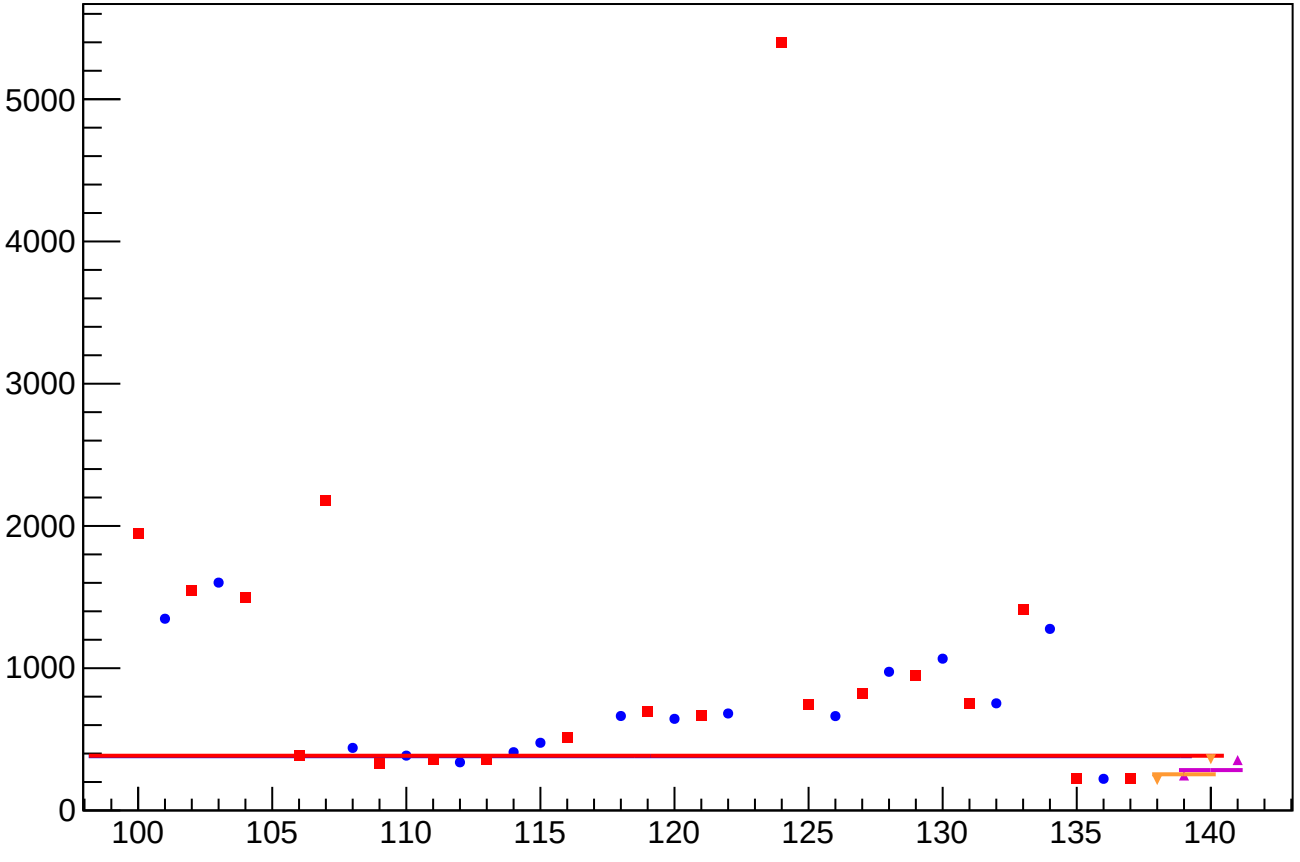
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -154.847+/-135.264 χ^2/NDF:23.8/17

Out: 155.456+/-131.263 χ^2/NDF:16.1/20

All: 4.961+/-94.200 χ^2/NDF: 42.6/38

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 254.222+/-0.146 χ^2/NDF:200287.0/1

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 283.821+/-0.158 χ^2/NDF:106991.7/1

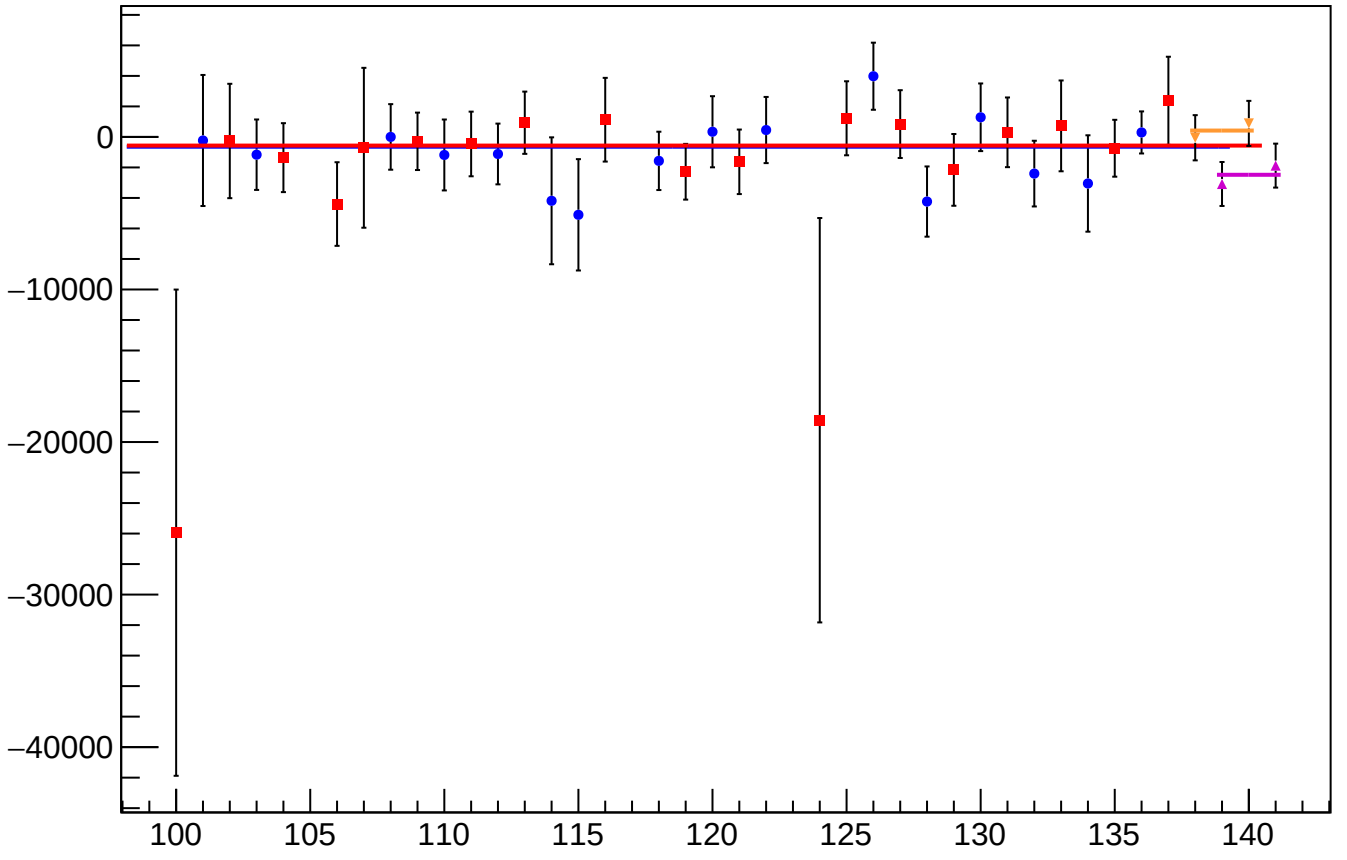
Left: 267.909+/-0.107 χ^2/NDF: 326158.0/3

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 345.591+/-0.096 χ^2/NDF:4666244.0/17

Out: 332.293+/-0.093 χ^2/NDF:5234904.4/20

All: 338.742+/-0.067 χ^2/NDF: 9911103.1/38



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 417.684+/-1046.330 χ^2/NDF:0.2/1

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -2481.984+/-1018.961 χ^2/NDF:0.3/1

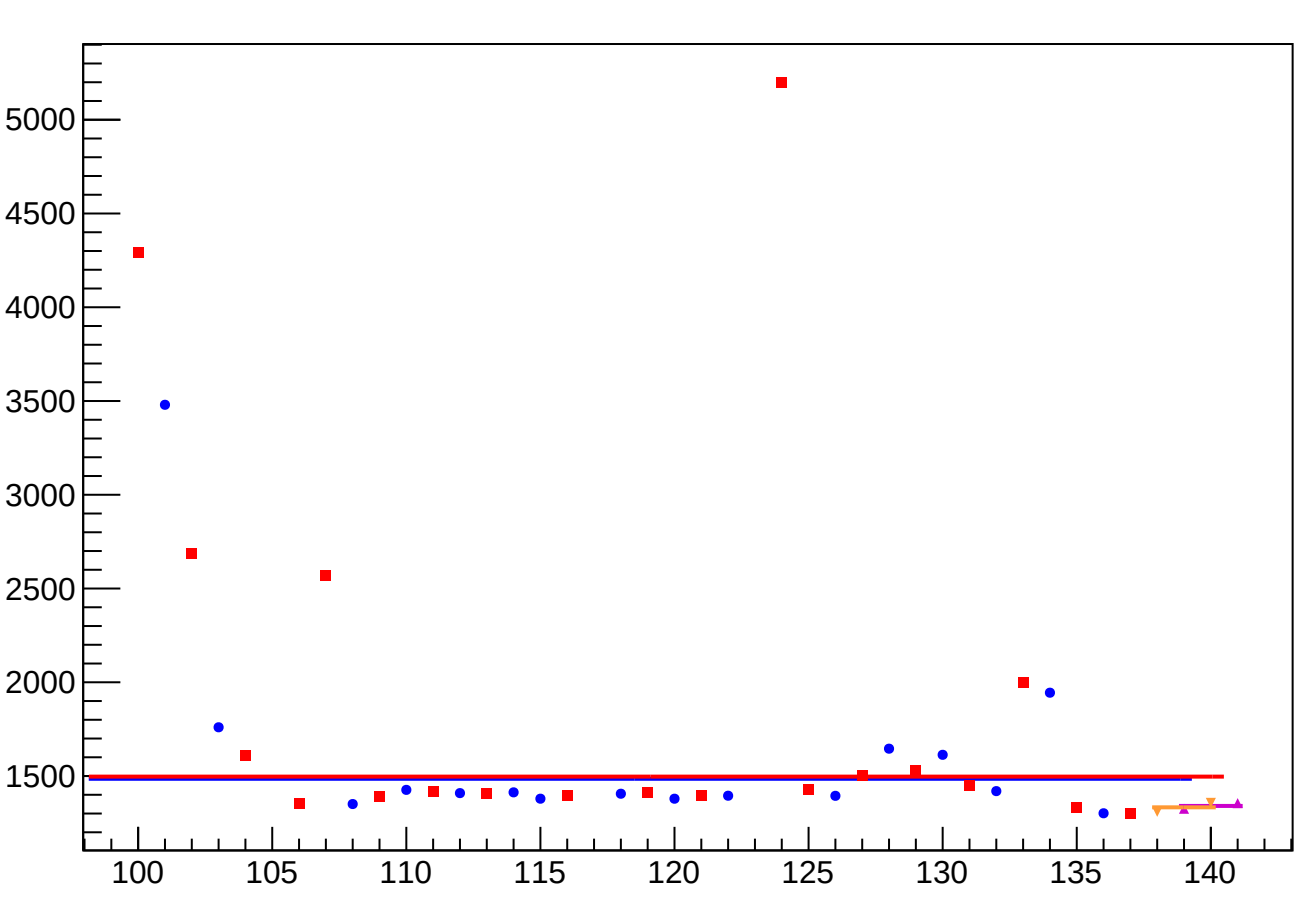
Left: -1070.570+/-729.998 χ^2/NDF: 4.5/3

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -1073.040+/-493.699 χ^2/NDF:15.3/17

Out: -343.818+/-498.358 χ^2/NDF:12.2/20

All: -711.853+/-350.733 χ^2/NDF: 28.6/38



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1333.065+/-0.740 χ^2/NDF:1034.5/1

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1340.532+/-0.721 χ^2/NDF:427.7/1

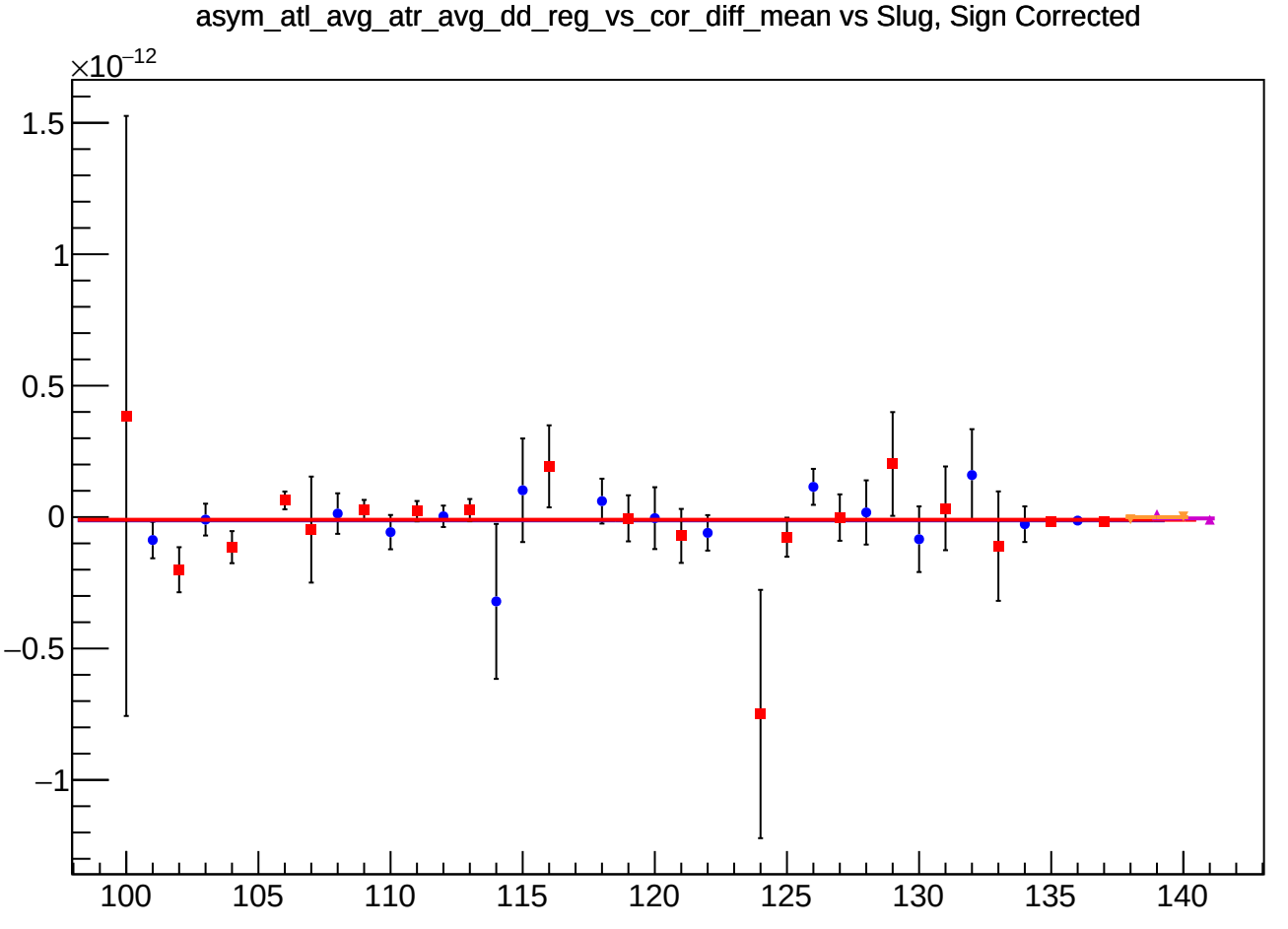
Left: 1336.898+/-0.516 χ^2/NDF: 1514.4/3

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1451.369+/-0.349 χ^2/NDF:615820.8/17

Out: 1459.707+/-0.352 χ^2/NDF:662222.3/20

All: 1455.499+/-0.248 χ^2/NDF: 1278325.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/1

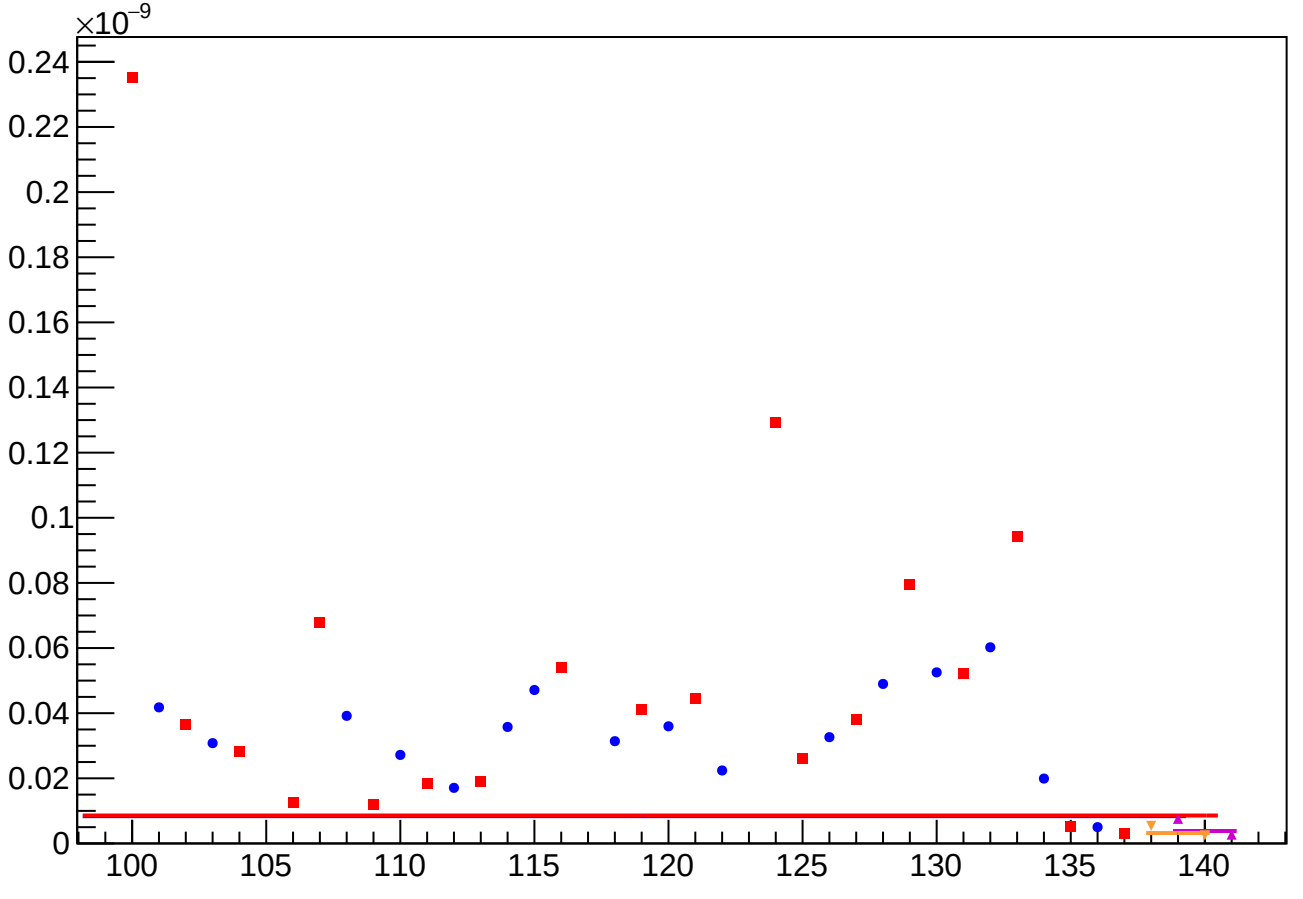
Left: -0.000+/-0.000 χ^2/NDF: 4.6/3

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:13.0/17

Out: -0.000+/-0.000 χ^2/NDF:24.7/20

All: -0.000+/-0.000 χ^2/NDF: 38.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:171686.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:314996.8/1

Left: 0.000+/-0.000 χ^2/NDF: 504385.5/3

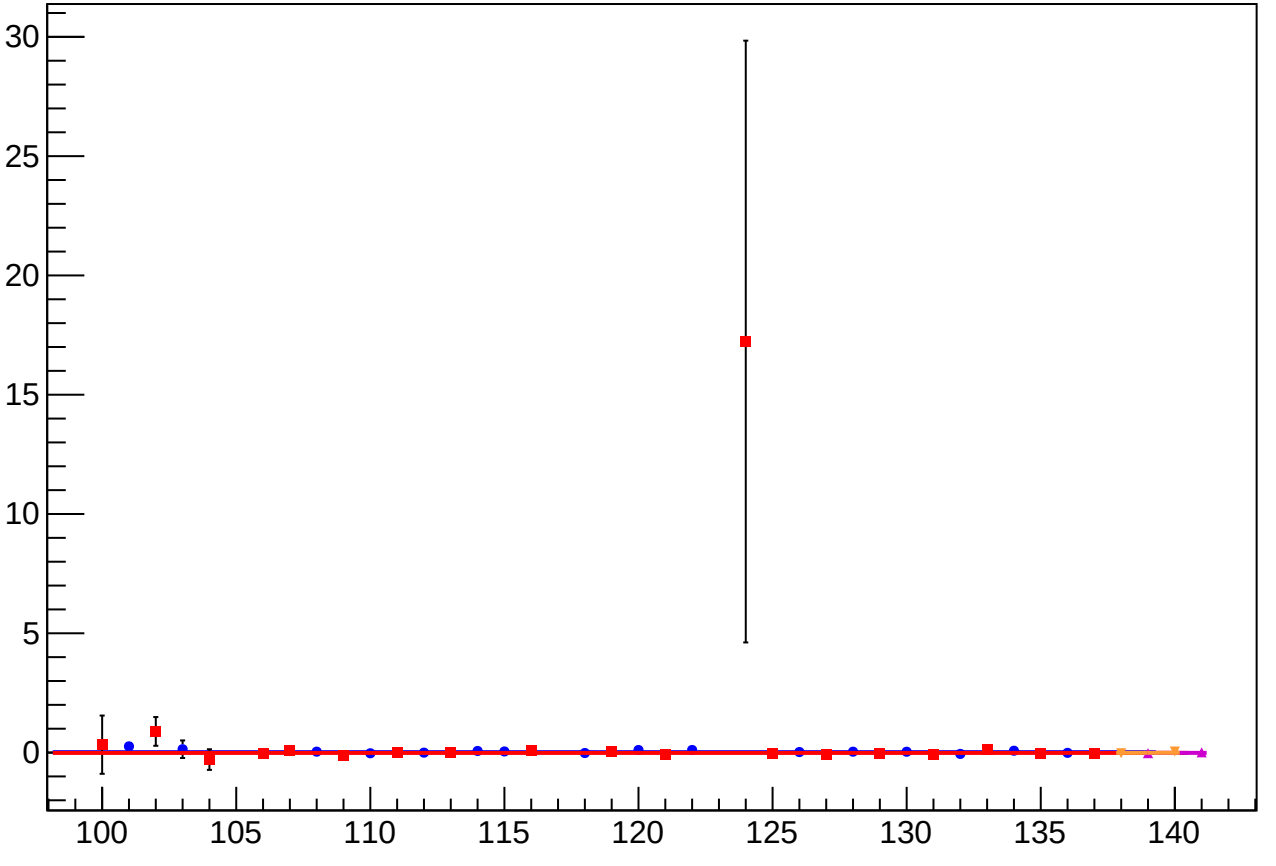
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3882672.1/17

Out: 0.000+/-0.000 χ^2/NDF:4223344.2/20

All: 0.000+/-0.000 χ^2/NDF: 8159394.6/38

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.013+/-0.024 χ^2/NDF:0.5/1

Left: -0.012+/-0.017 χ^2/NDF: 2.3/3

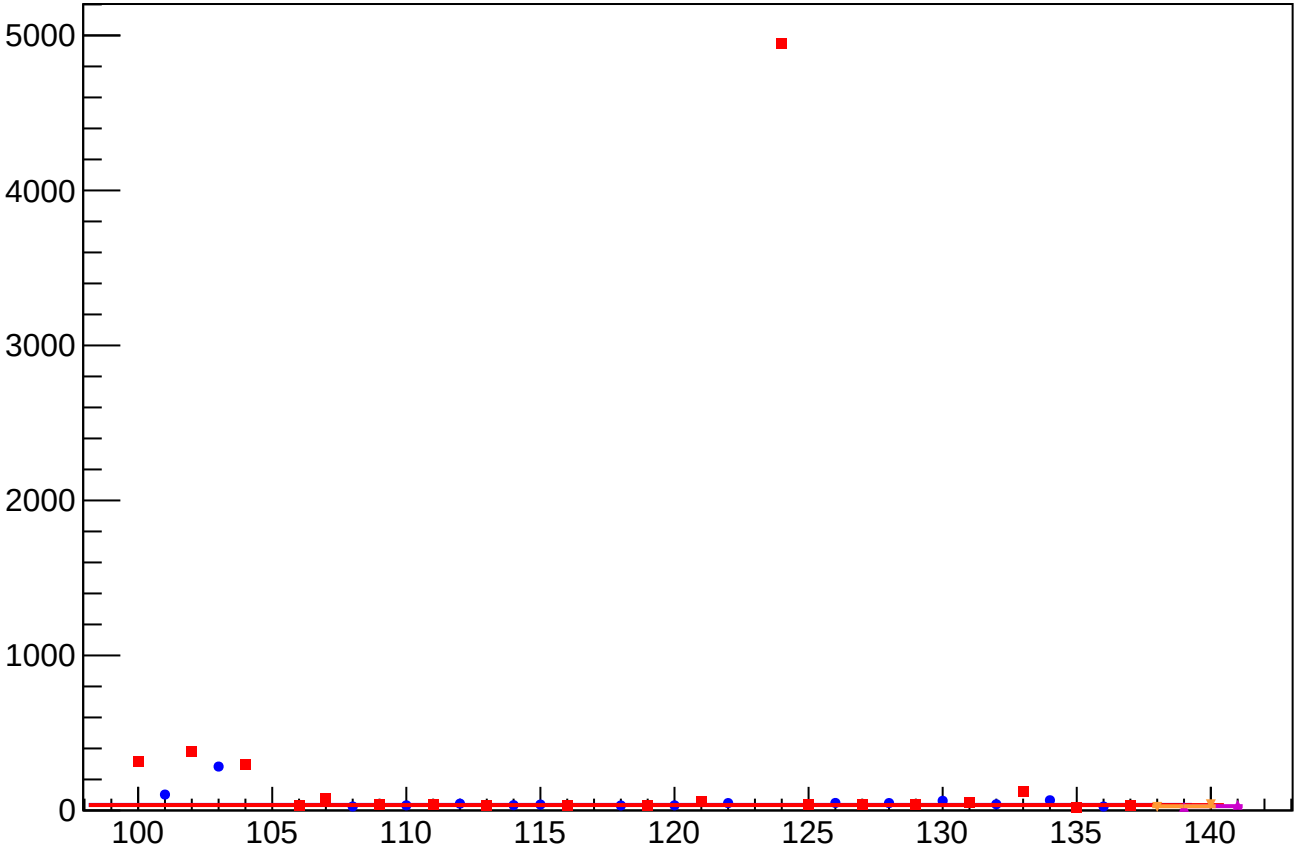
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.002+/-0.009 χ^2/NDF: 32.2/38

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 27.058+/-0.017 χ^2/NDF:201472.7/1

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 27.832+/-0.017 χ^2/NDF:137553.8/1

Left: 27.436+/-0.012 χ^2/NDF: 340074.4/3

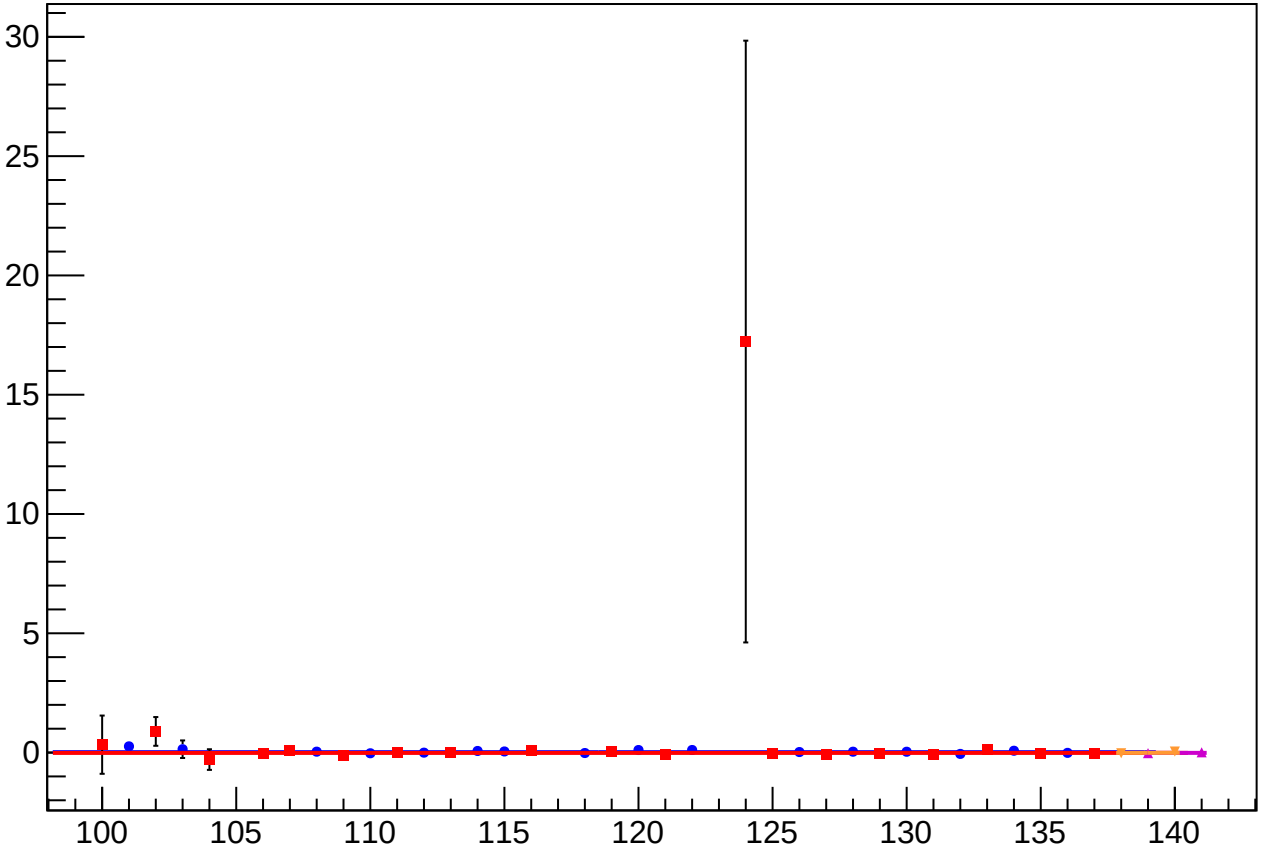
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.449+/-0.009 χ^2/NDF:2554400.1/17

Out: 32.439+/-0.009 χ^2/NDF:3265150.6/20

All: 32.944+/-0.007 χ^2/NDF: 5825559.5/38

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.013+/-0.024 χ^2/NDF:0.5/1

Left: -0.012+/-0.017 χ^2/NDF: 2.3/3

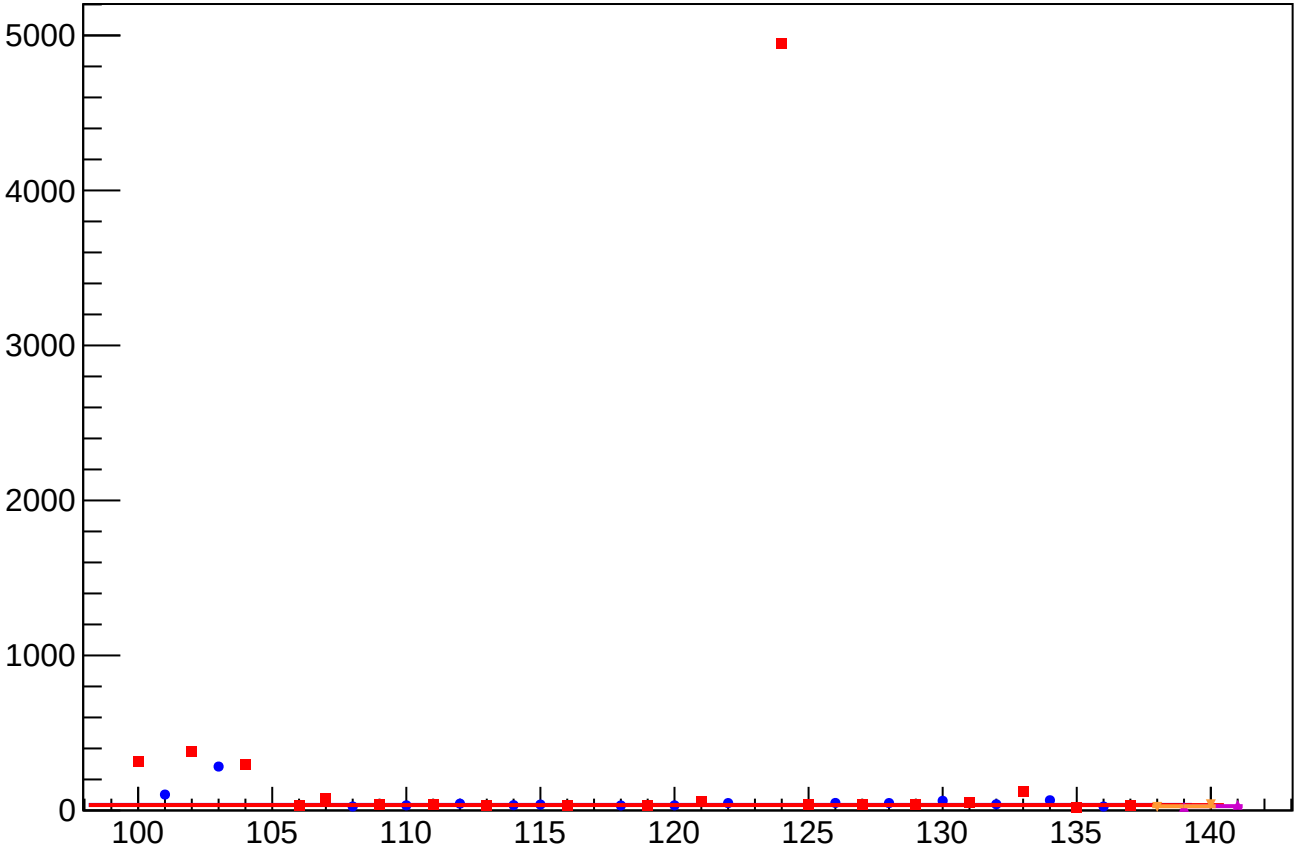
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.002+/-0.009 χ^2/NDF: 32.2/38

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 27.058+/-0.017 χ^2/NDF:201472.7/1

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 27.832+/-0.017 χ^2/NDF:137553.8/1

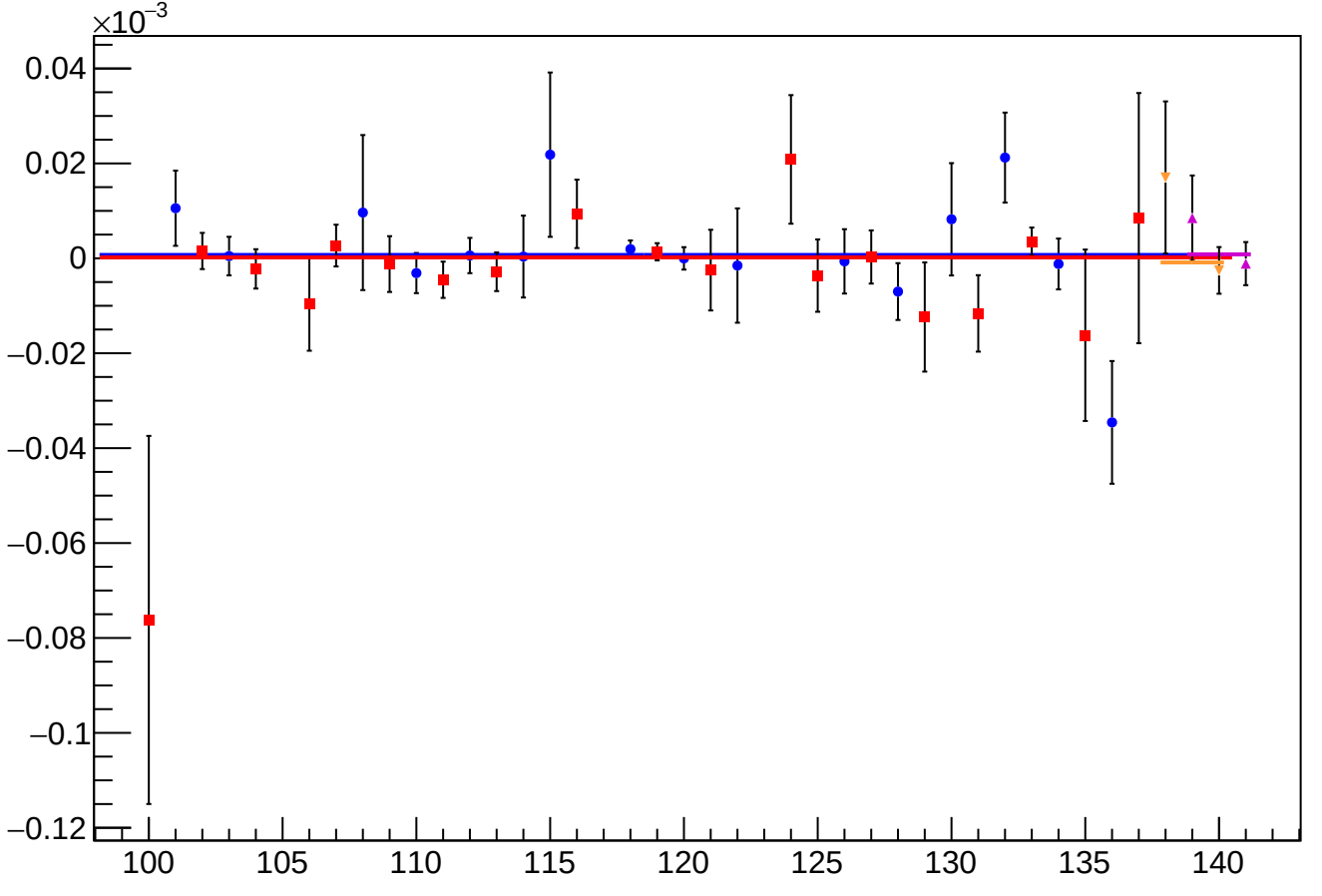
Left: 27.436+/-0.012 χ^2/NDF: 340074.4/3

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.449+/-0.009 χ^2/NDF:2554400.1/17

Out: 32.439+/-0.009 χ^2/NDF:3265150.6/20

All: 32.944+/-0.007 χ^2/NDF: 5825559.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

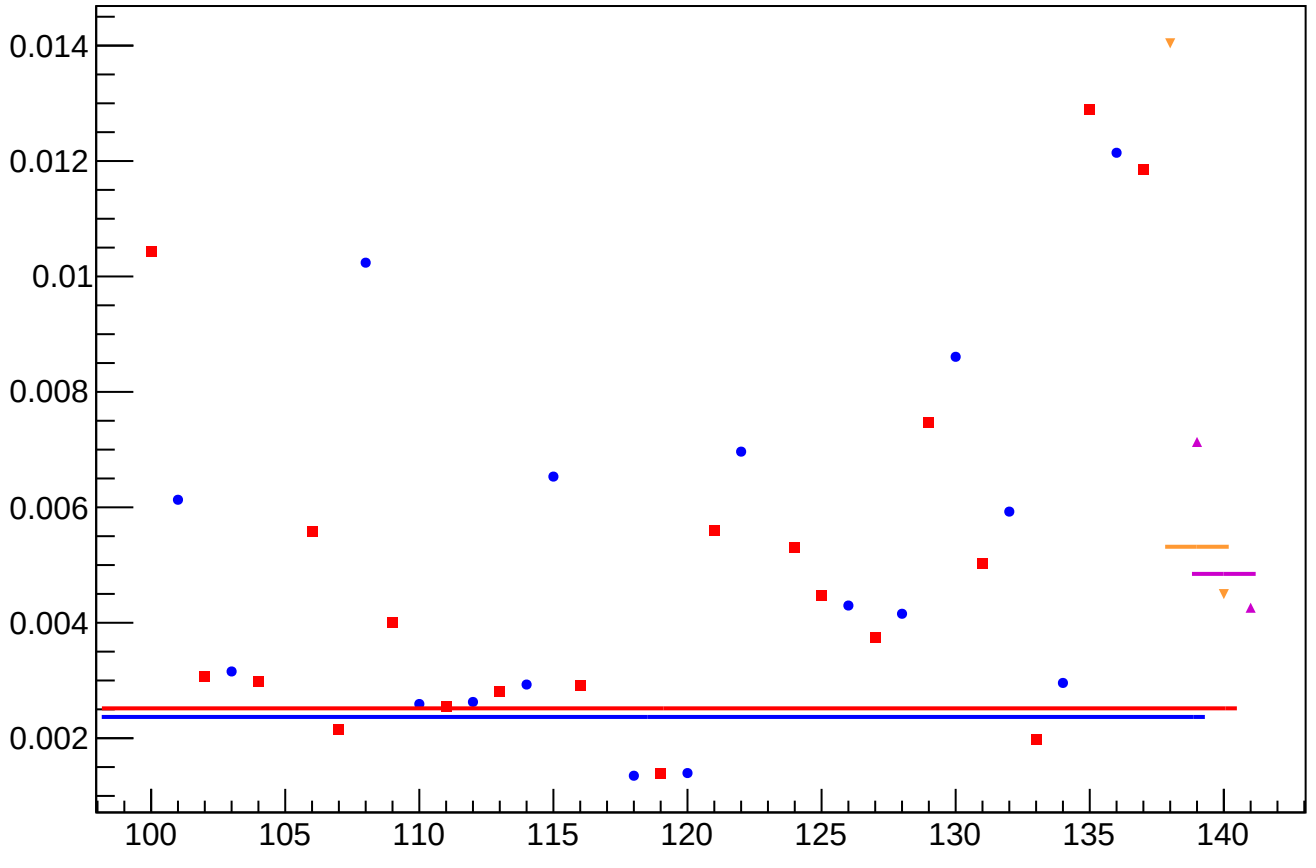
Left: 0.000+/-0.000 χ^2/NDF: 2.4/3

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:20.0/17

Out: 0.000+/-0.000 χ^2/NDF:19.5/20

All: 0.000+/-0.000 χ^2/NDF: 39.6/38



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:647888.0/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:163119.1/1

Left: 0.005+/-0.000 χ^2/NDF: 822484.1/3

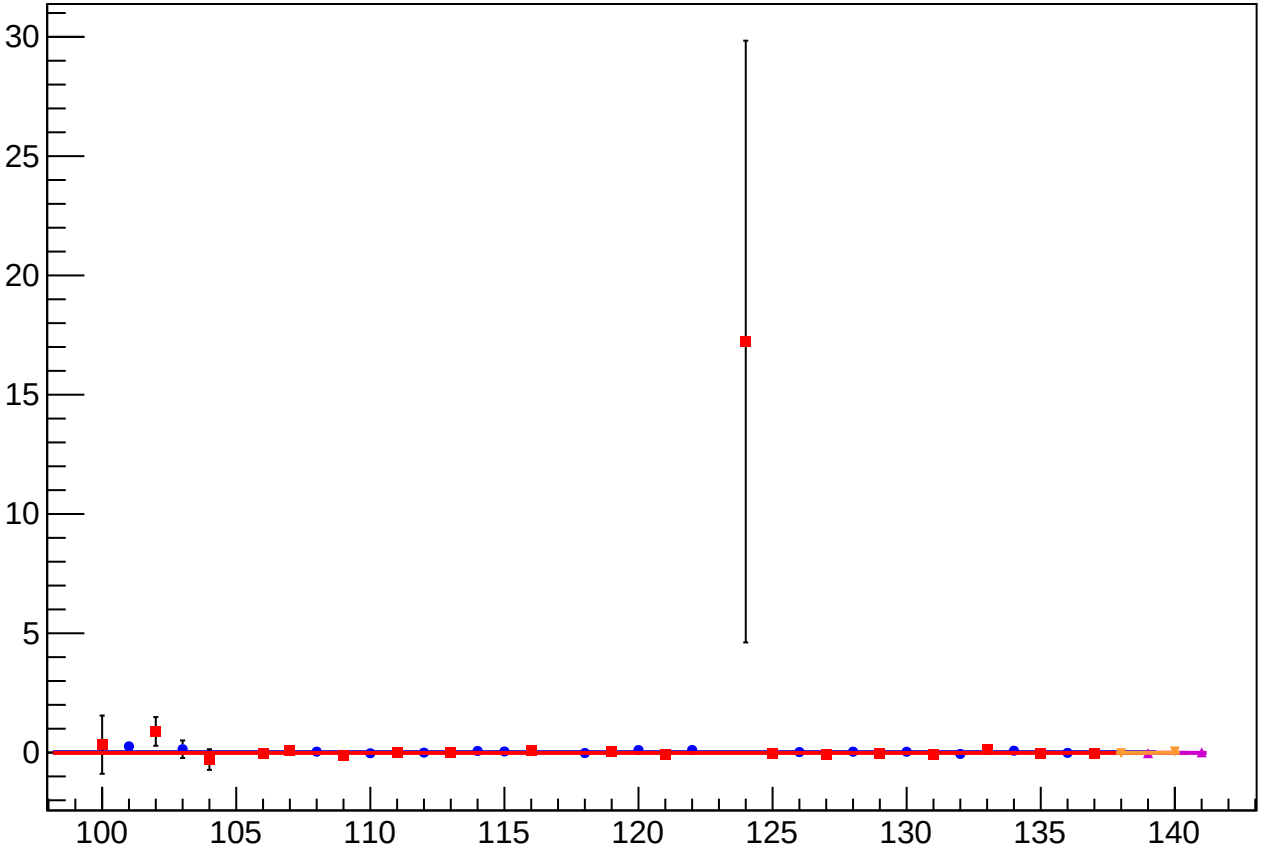
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:5580762.7/17

Out: 0.003+/-0.000 χ^2/NDF:4720092.5/20

All: 0.003+/-0.000 χ^2/NDF: 10312537.1/38

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.013+/-0.024 χ^2/NDF:0.5/1

Left: -0.012+/-0.017 χ^2/NDF: 2.3/3

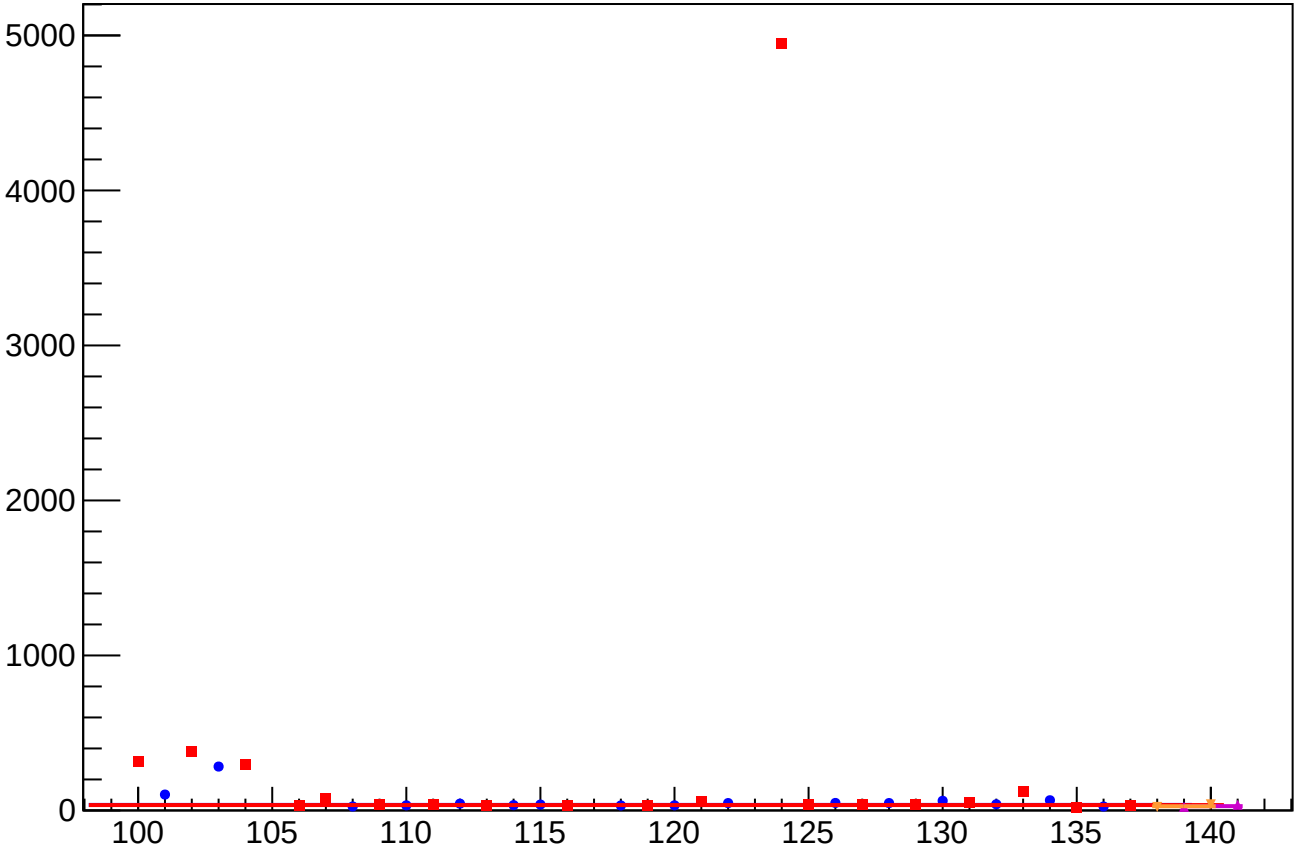
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.002+/-0.009 χ^2/NDF: 32.2/38

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF:201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 27.827+/-0.017 χ^2/NDF:137739.1/1

Left: 27.433+/-0.012 χ^2/NDF: 340341.2/3

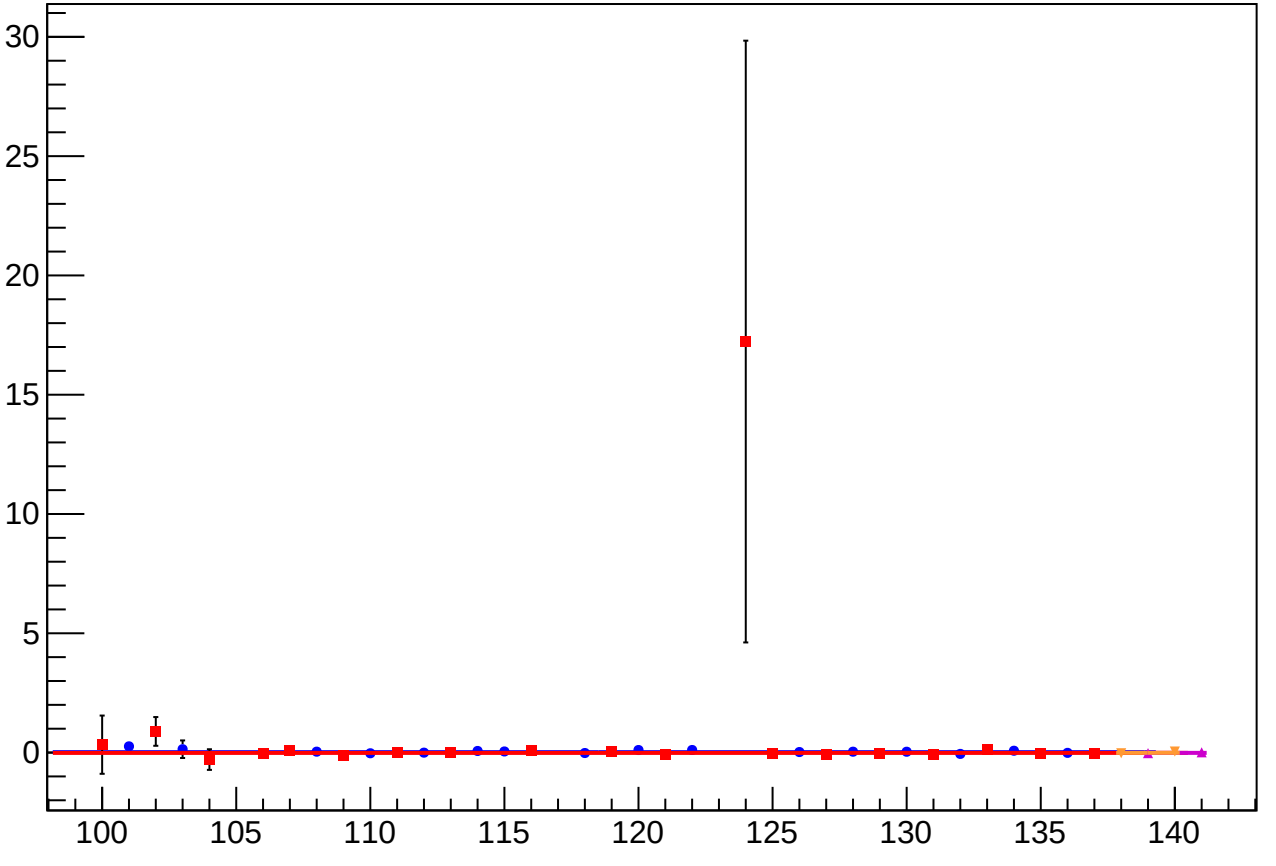
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.448+/-0.009 χ^2/NDF:2554549.3/17

Out: 32.440+/-0.009 χ^2/NDF:3265141.4/20

All: 32.944+/-0.007 χ^2/NDF: 5825689.9/38

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.013+/-0.024 χ^2/NDF:0.5/1

Left: -0.012+/-0.017 χ^2/NDF: 2.3/3

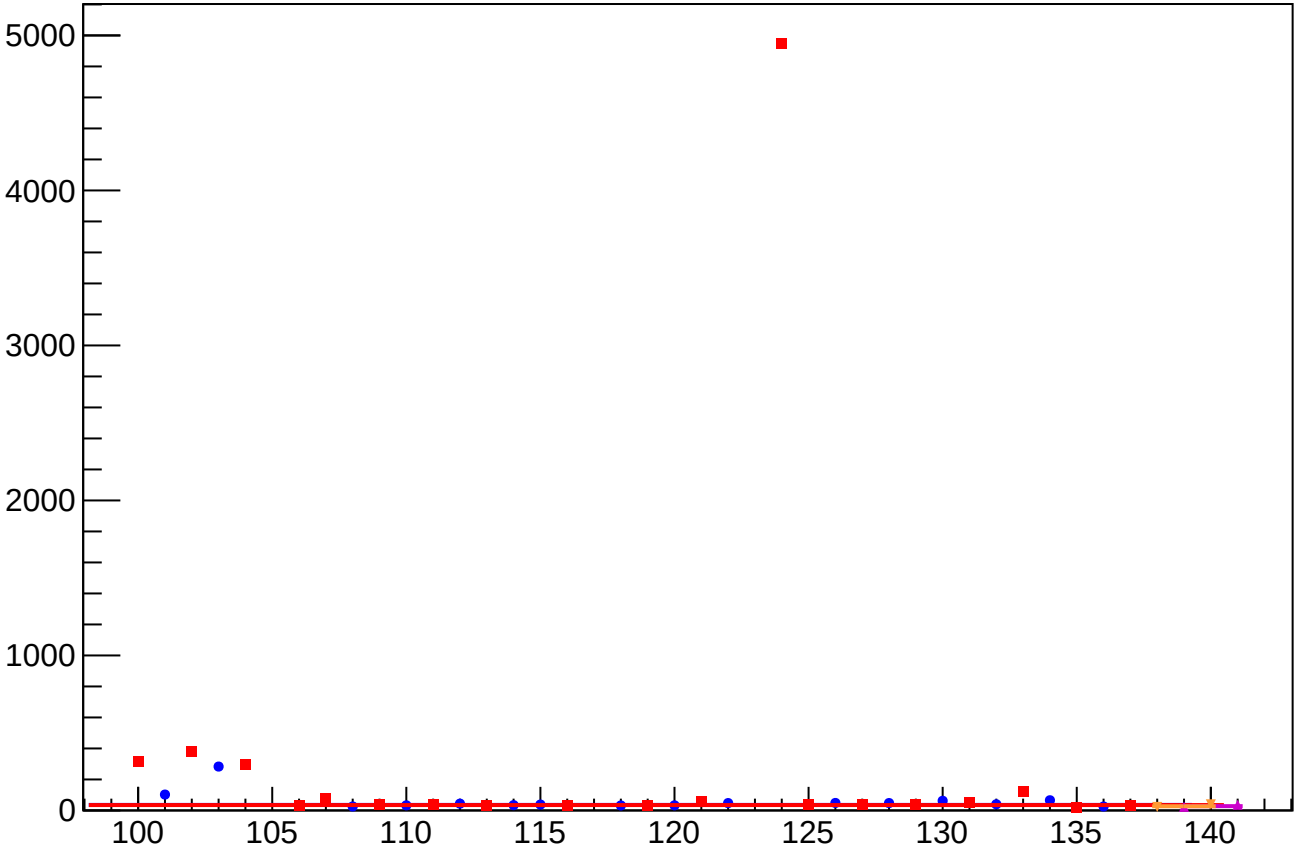
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.002+/-0.009 χ^2/NDF: 32.2/38

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF:201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 27.827+/-0.017 χ^2/NDF:137739.1/1

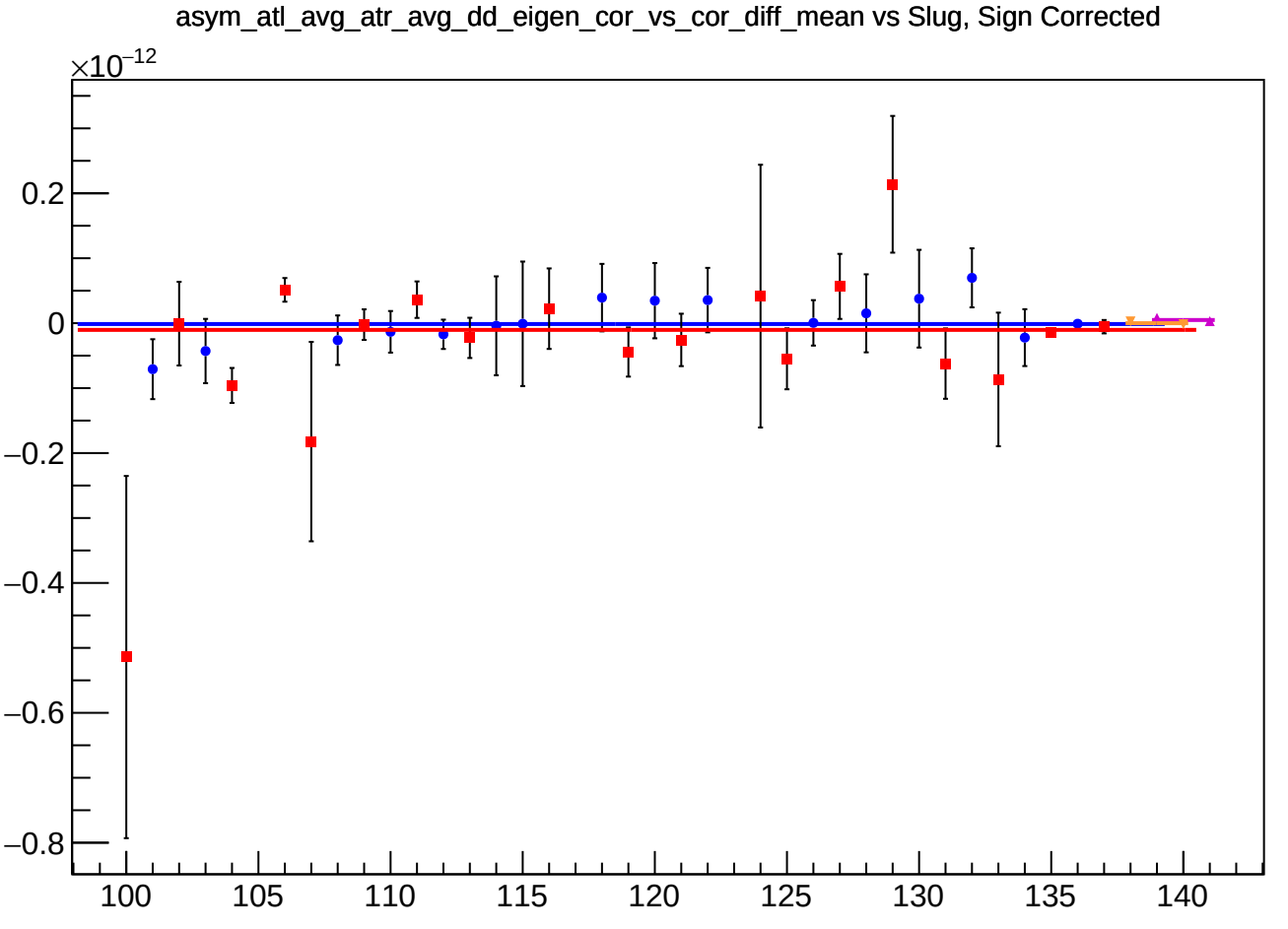
Left: 27.433+/-0.012 χ^2/NDF: 340341.2/3

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.448+/-0.009 χ^2/NDF:2554549.3/17

Out: 32.440+/-0.009 χ^2/NDF:3265141.4/20

All: 32.944+/-0.007 χ^2/NDF: 5825689.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

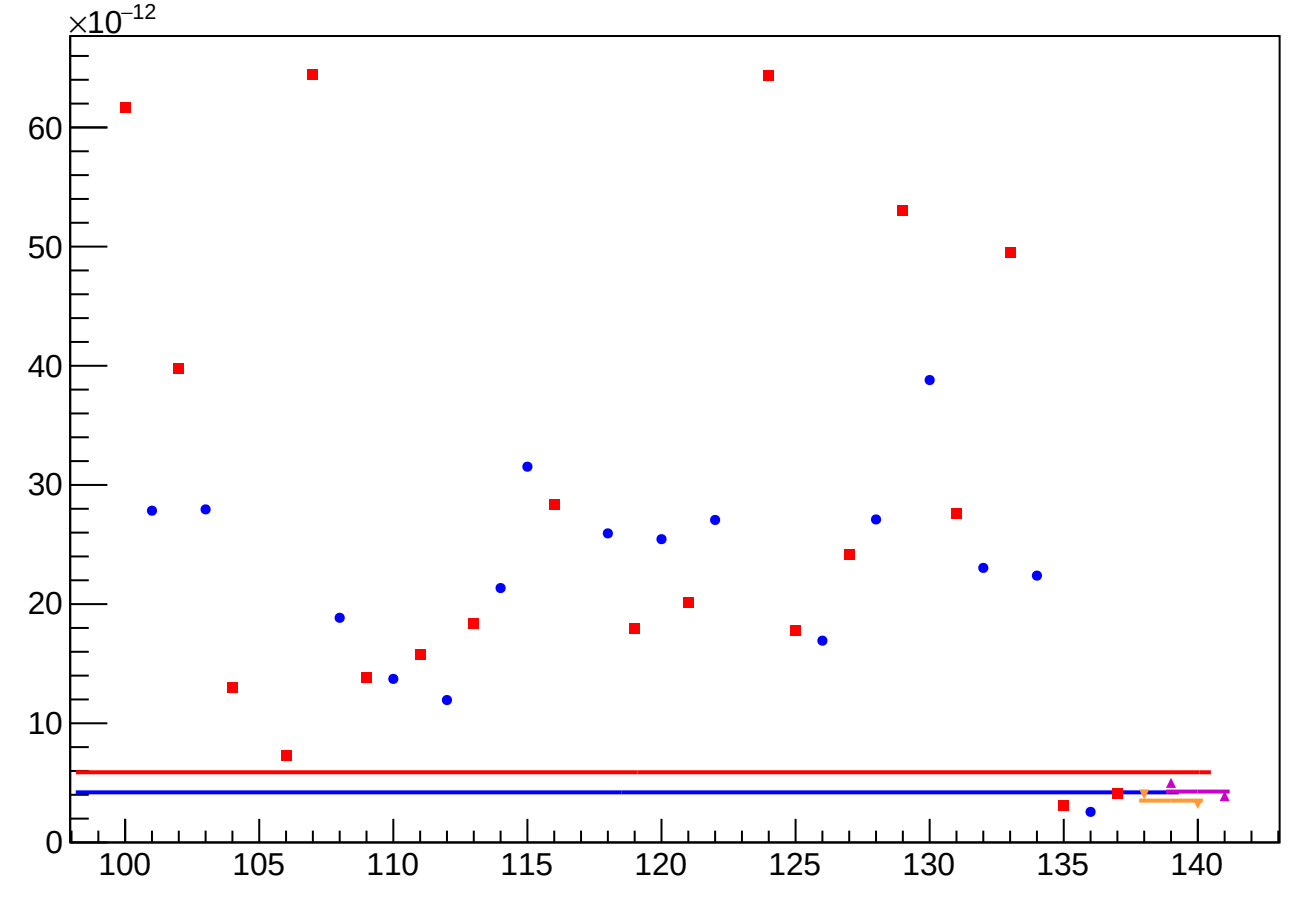
Left: 0.000+/-0.000 χ^2/NDF: 1.7/3

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:10.4/17

Out: -0.000+/-0.000 χ^2/NDF:44.0/20

All: -0.000+/-0.000 χ^2/NDF: 56.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:27633.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:36200.5/1

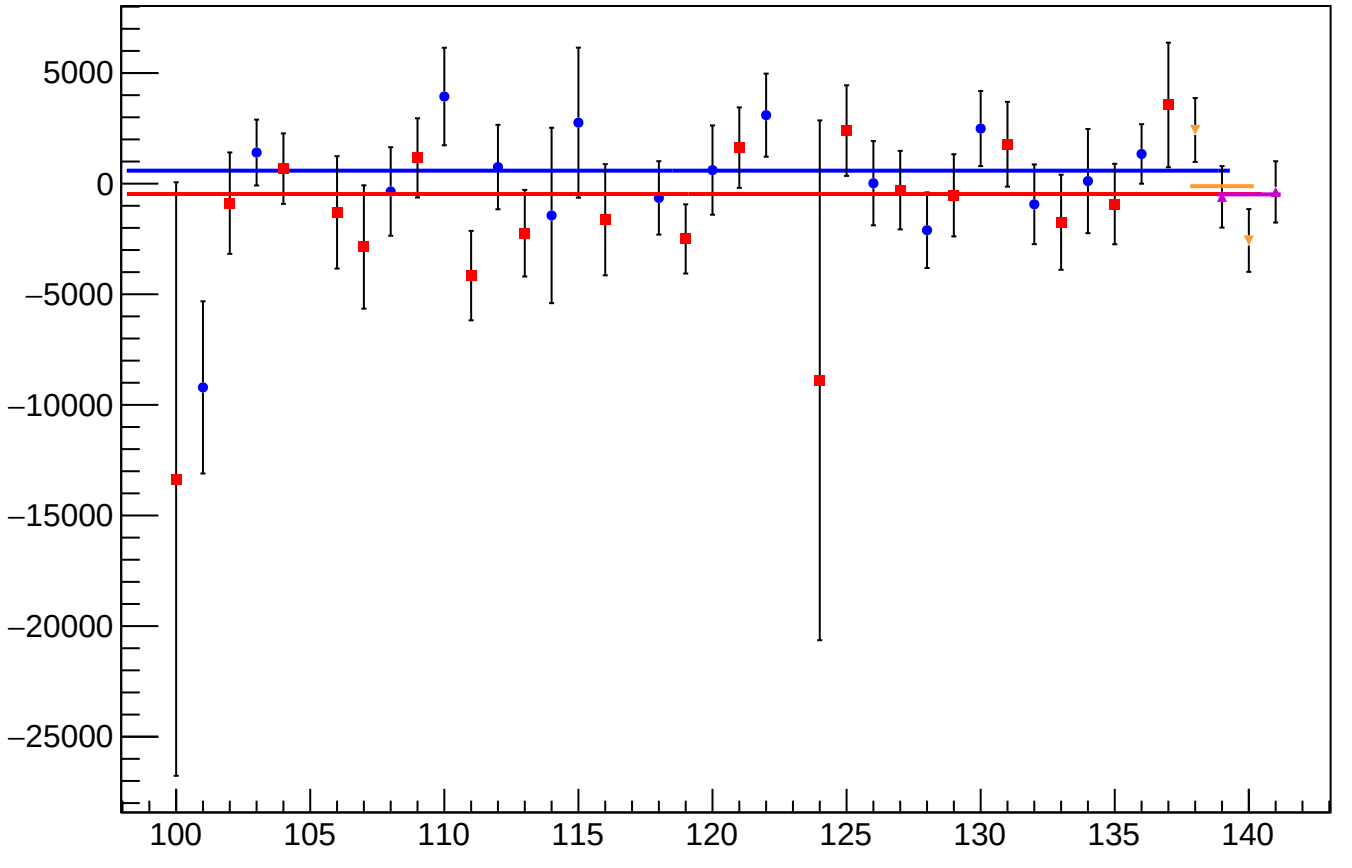
Left: 0.000+/-0.000 χ^2/NDF: 108090.8/3

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5116743.1/17

Out: 0.000+/-0.000 χ^2/NDF:5291341.8/20

All: 0.000+/-0.000 χ^2/NDF: 10413004.2/38



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.062+/-1011.922 χ^2/NDF:6.1/1

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -483.916+/-981.051 χ^2/NDF:0.0/1

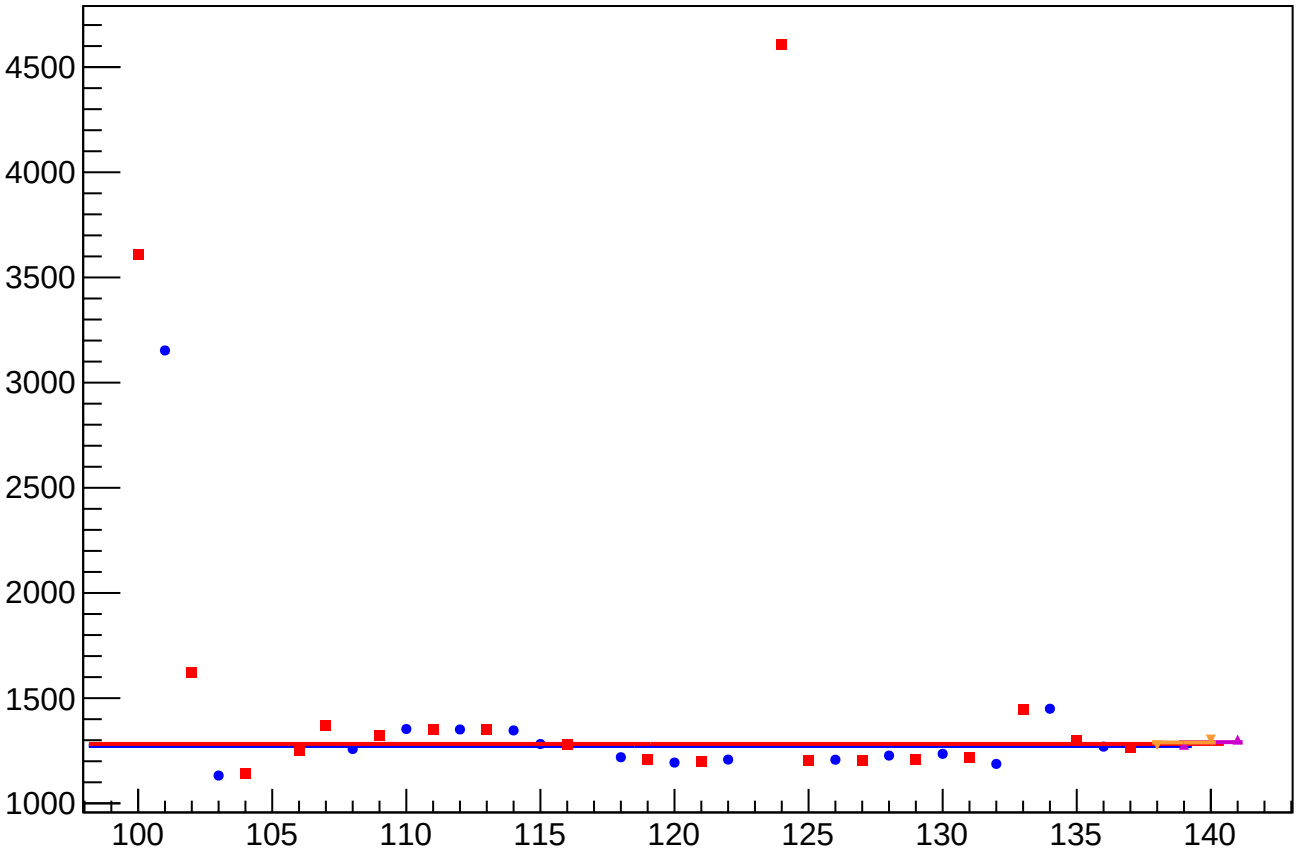
Left: -305.201+/-704.369 χ^2/NDF: 6.2/3

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 378.407+/-432.921 χ^2/NDF:18.0/17

Out: -403.886+/-434.064 χ^2/NDF:23.0/20

All: -11.708+/-306.524 χ^2/NDF: 42.7/38



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

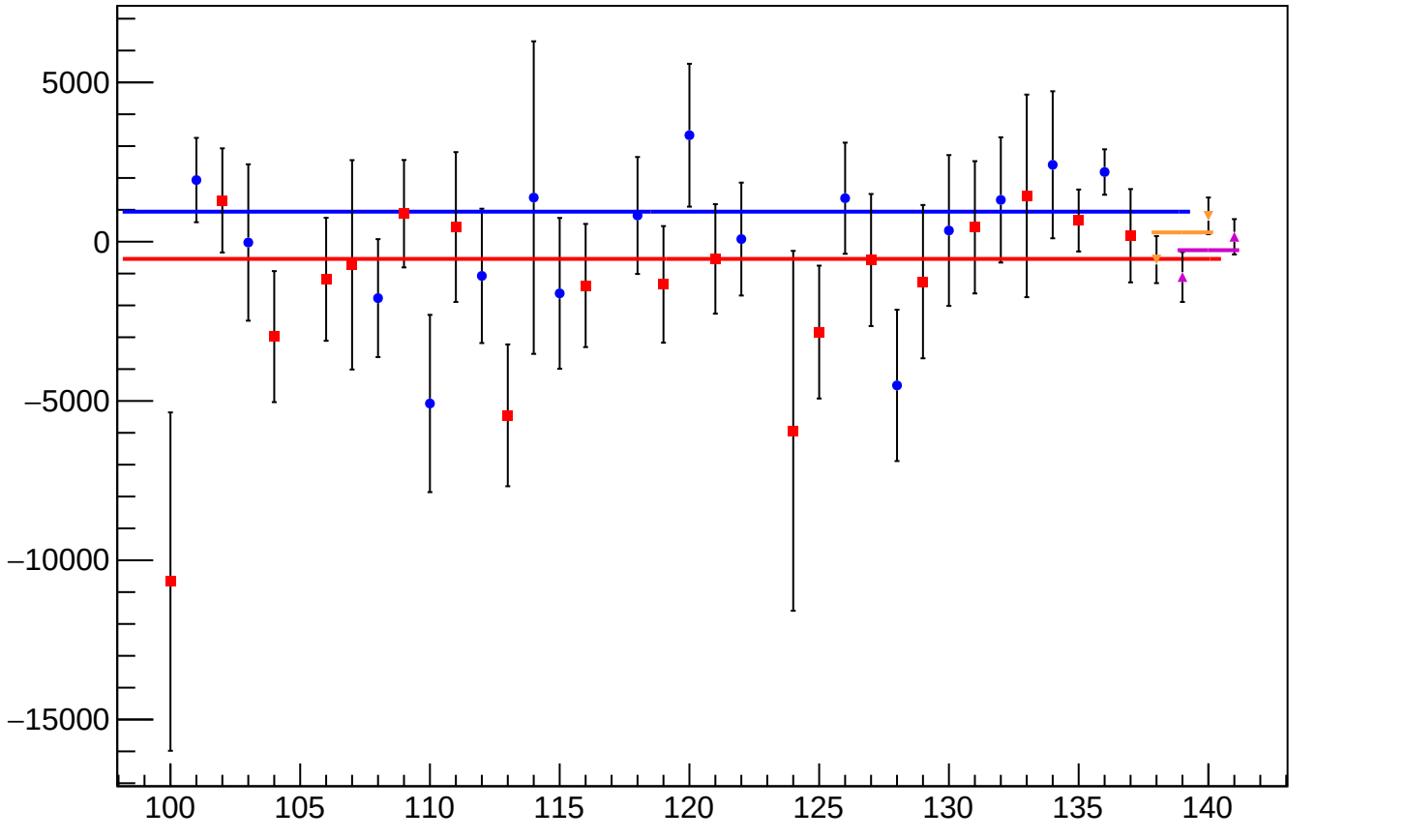
Left: 1290.160+/-0.498 χ^2/NDF: 687.7/3

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1276.328+/-0.306 χ^2/NDF:520163.0/17

Out: 1283.654+/-0.307 χ^2/NDF:322525.4/20

All: 1279.982+/-0.217 χ^2/NDF: 842974.0/38



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 291.098+/-454.354 χ^2/NDF:2.1/1

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -266.801+/-452.548 χ^2/NDF:1.7/1

Left: 11.038+/-320.637 χ^2/NDF: 4.6/3

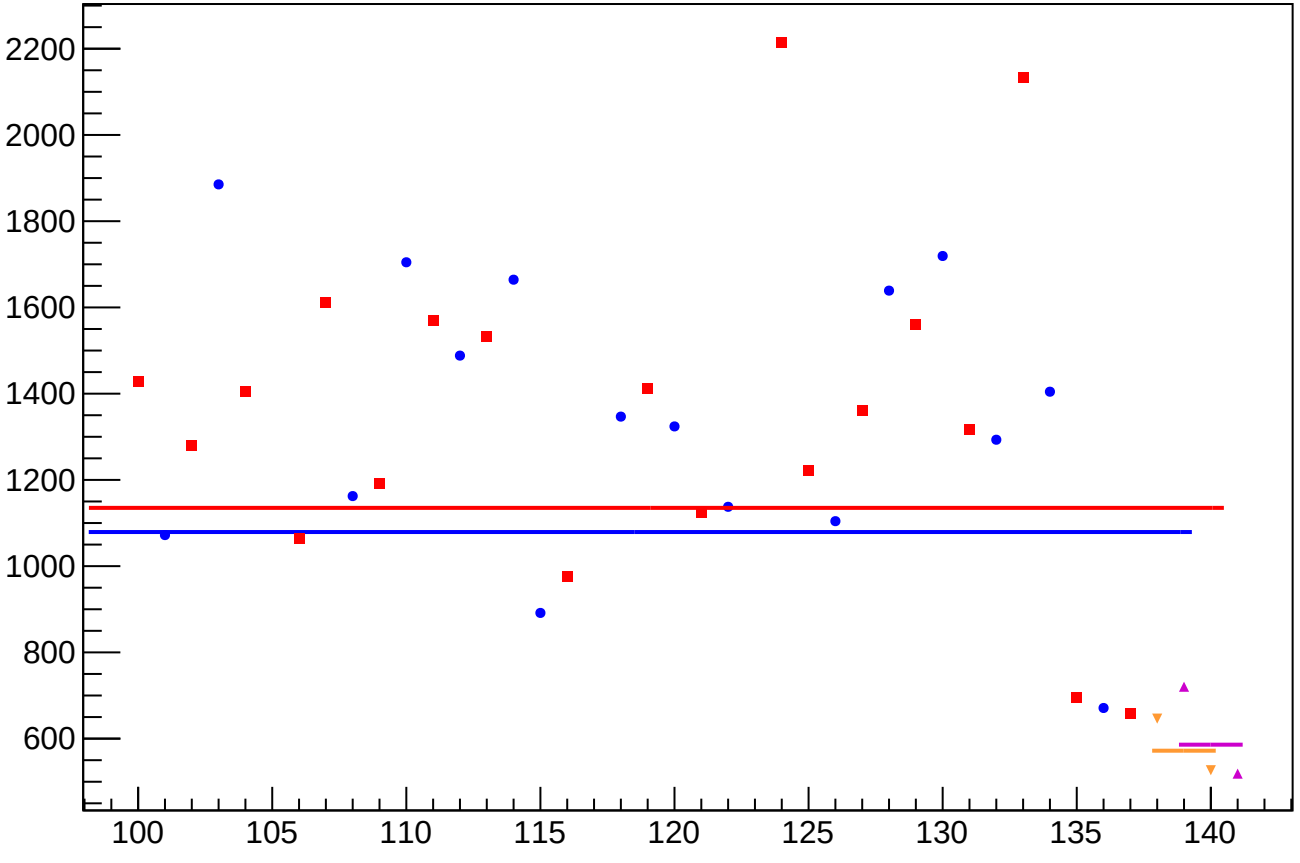
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 374.197+/-310.125 χ^2/NDF:25.4/17

Out: -138.197+/-316.045 χ^2/NDF:21.0/20

All: 122.843+/-221.355 χ^2/NDF: 47.8/38

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 572.010+/-0.321 χ^2/NDF:32656.8/1

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 585.978+/-0.320 χ^2/NDF:88146.9/1

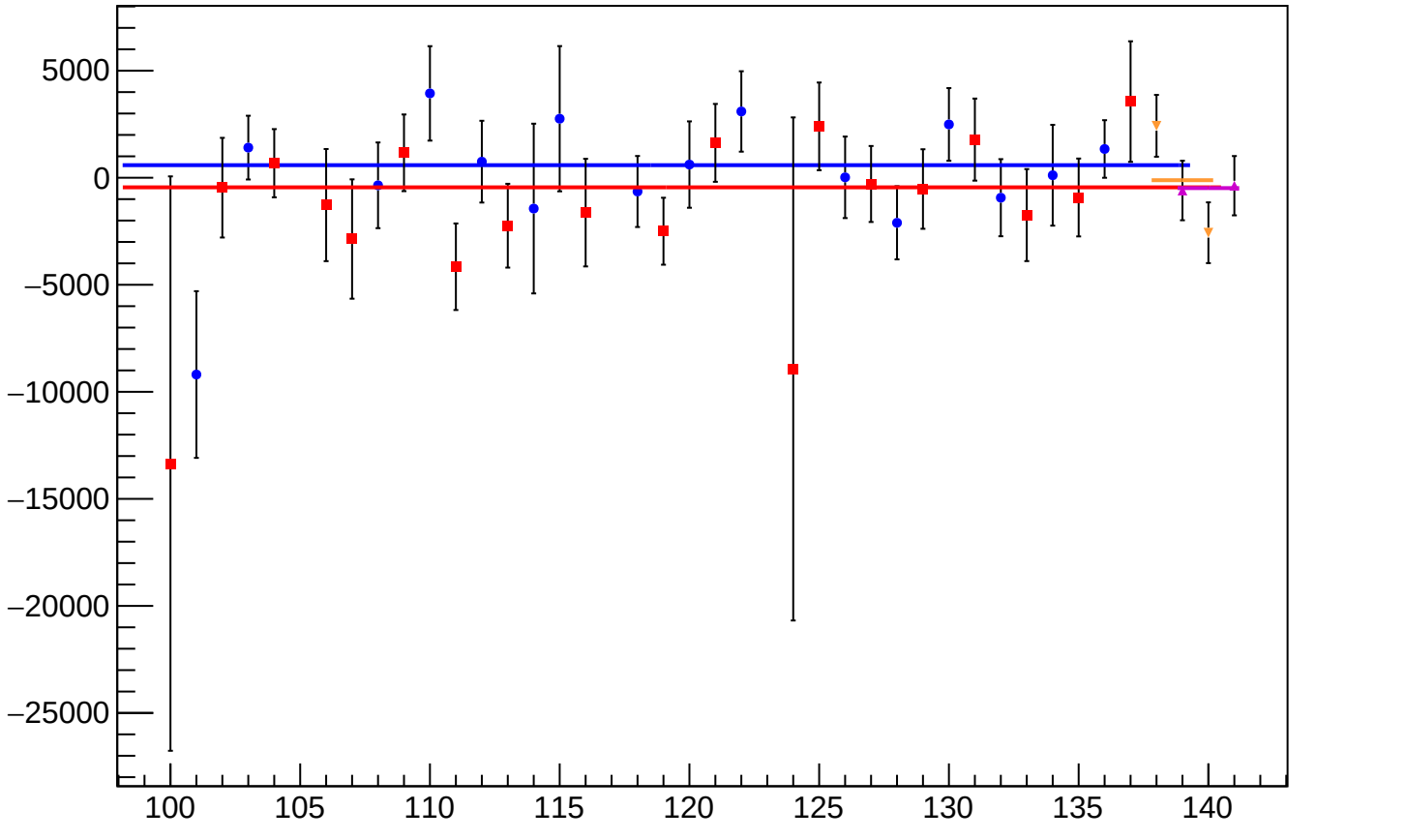
Left: 579.022+/-0.227 χ^2/NDF: 121752.7/3

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 847.531+/-0.219 χ^2/NDF:2829975.1/17

Out: 862.682+/-0.223 χ^2/NDF:2911617.0/20

All: 854.964+/-0.157 χ^2/NDF: 5743933.6/38



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF:6.1/1

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -483.795+/-981.051 χ^2/NDF:0.0/1

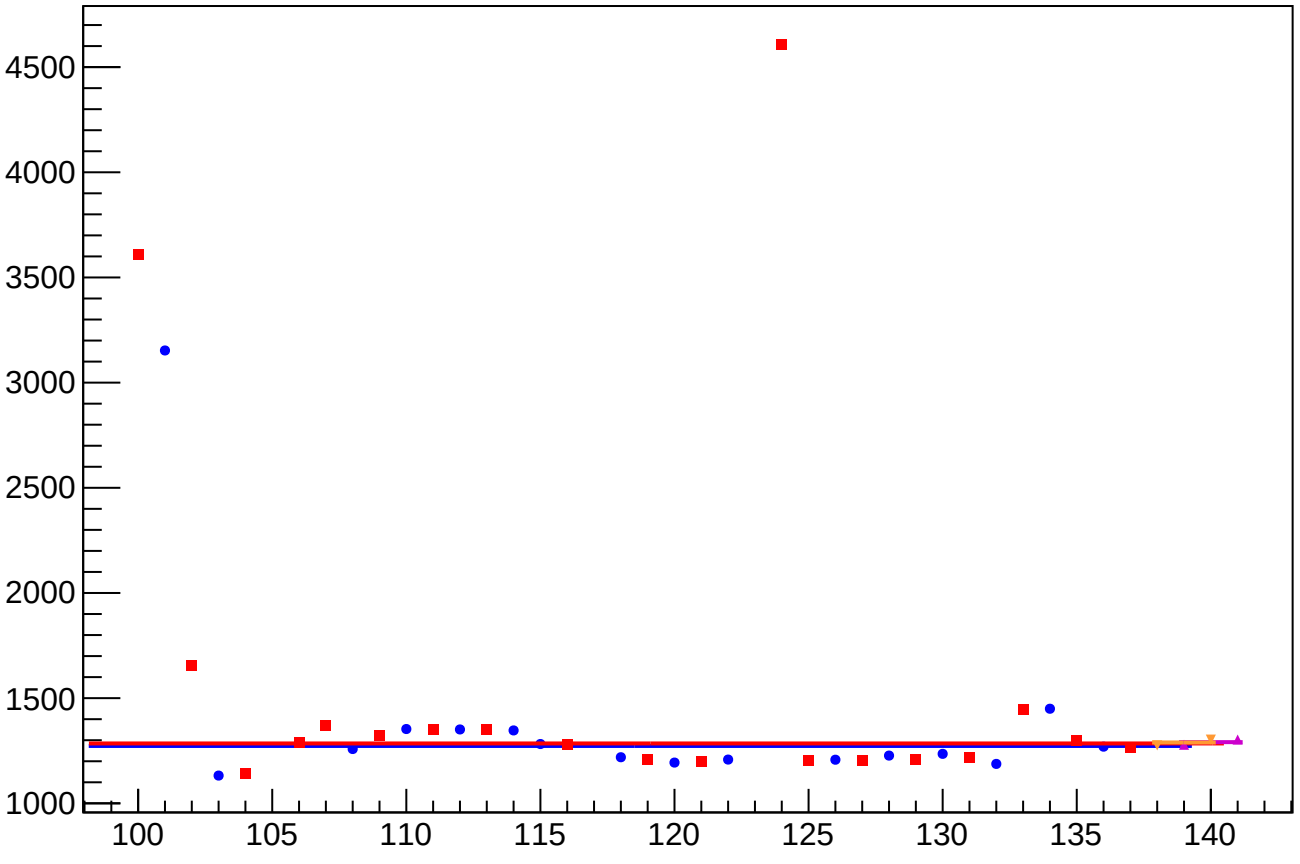
Left: -305.160+/-704.369 χ^2/NDF: 6.2/3

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 378.688+/-432.921 χ^2/NDF:18.0/17

Out: -386.914+/-434.666 χ^2/NDF:23.0/20

All: -2.573+/-306.736 χ^2/NDF: 42.6/38



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

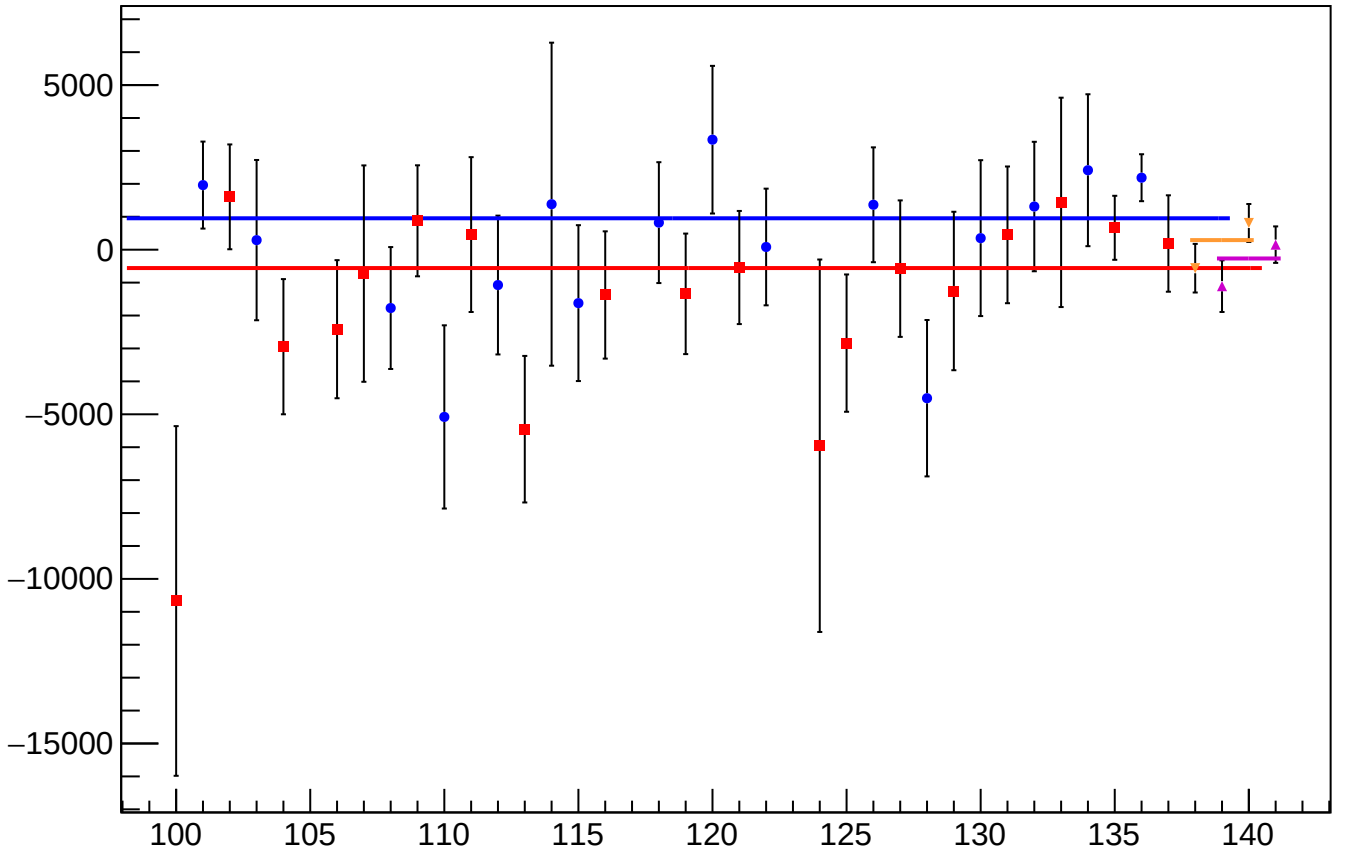
Left: 1290.161+/-0.498 χ^2/NDF: 687.7/3

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1276.328+/-0.306 χ^2/NDF:520164.5/17

Out: 1285.525+/-0.307 χ^2/NDF:329138.9/20

All: 1280.908+/-0.217 χ^2/NDF: 849752.8/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 291.304+/-454.368 χ^2/NDF:2.1/1

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -266.941+/-452.536 χ^2/NDF:1.7/1

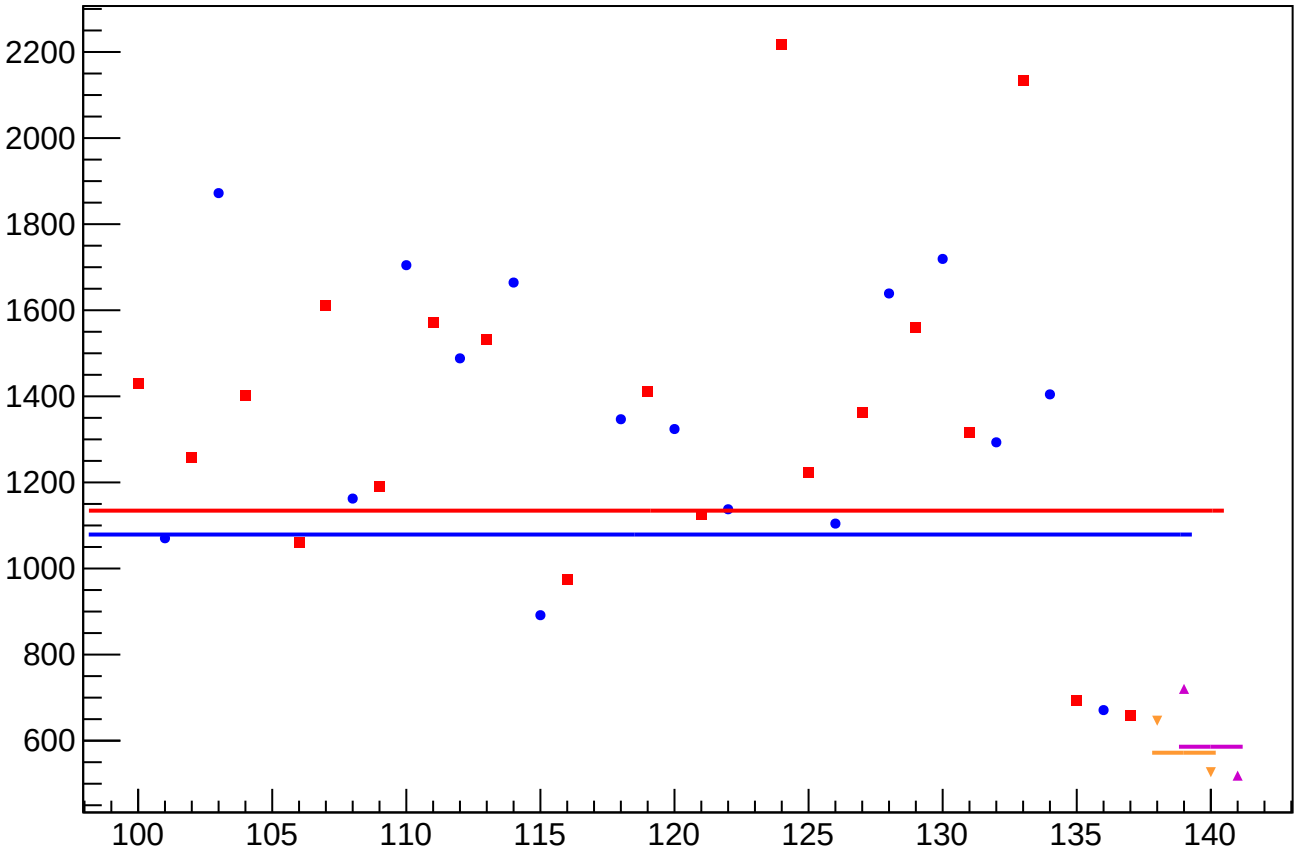
Left: 11.054+/-320.637 χ^2/NDF: 4.6/3

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 380.937+/-310.053 χ^2/NDF:25.4/17

Out: -146.225+/-316.365 χ^2/NDF:22.3/20

All: 122.667+/-221.439 χ^2/NDF: 49.2/38



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 572.029+/-0.321 χ^2/NDF:32638.6/1

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

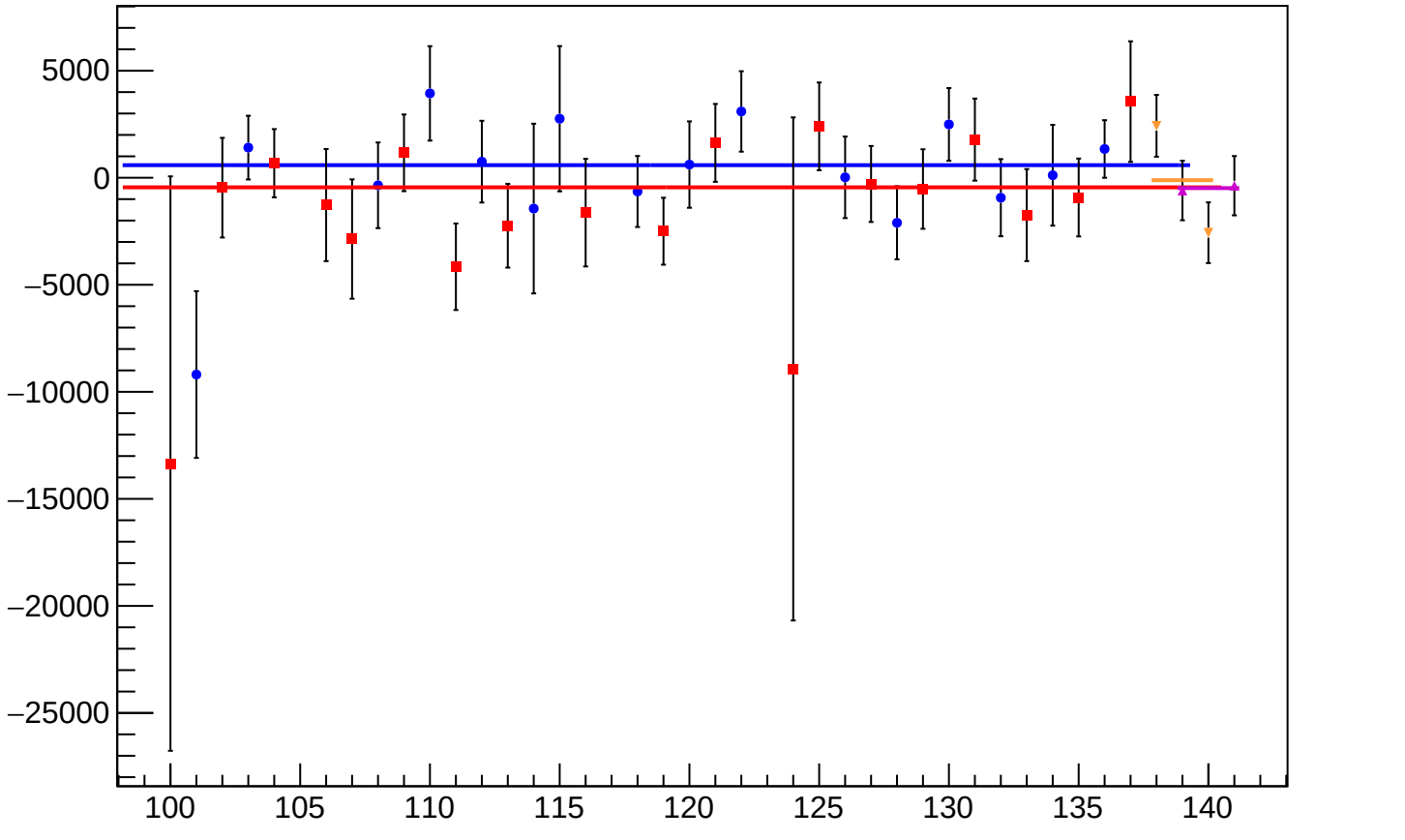
Left: 579.023+/-0.227 χ^2/NDF: 121744.9/3

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 847.518+/-0.219 χ^2/NDF:2826137.7/17

Out: 861.778+/-0.224 χ^2/NDF:2900166.1/20

All: 854.504+/-0.157 χ^2/NDF: 5728376.2/38



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF:6.1/1

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -483.795+/-981.051 χ^2/NDF:0.0/1

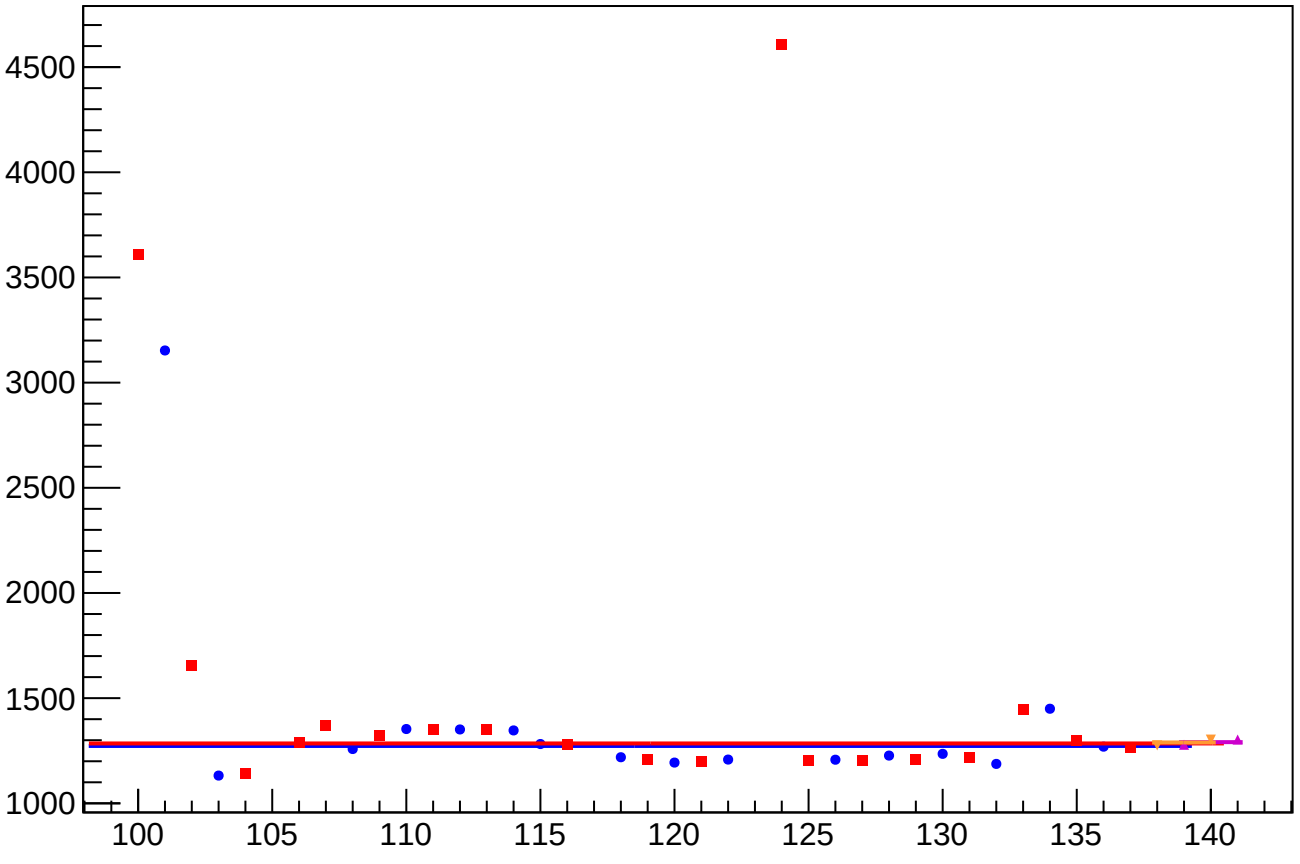
Left: -305.160+/-704.369 χ^2/NDF: 6.2/3

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 378.688+/-432.921 χ^2/NDF:18.0/17

Out: -386.914+/-434.666 χ^2/NDF:23.0/20

All: -2.573+/-306.736 χ^2/NDF: 42.6/38



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

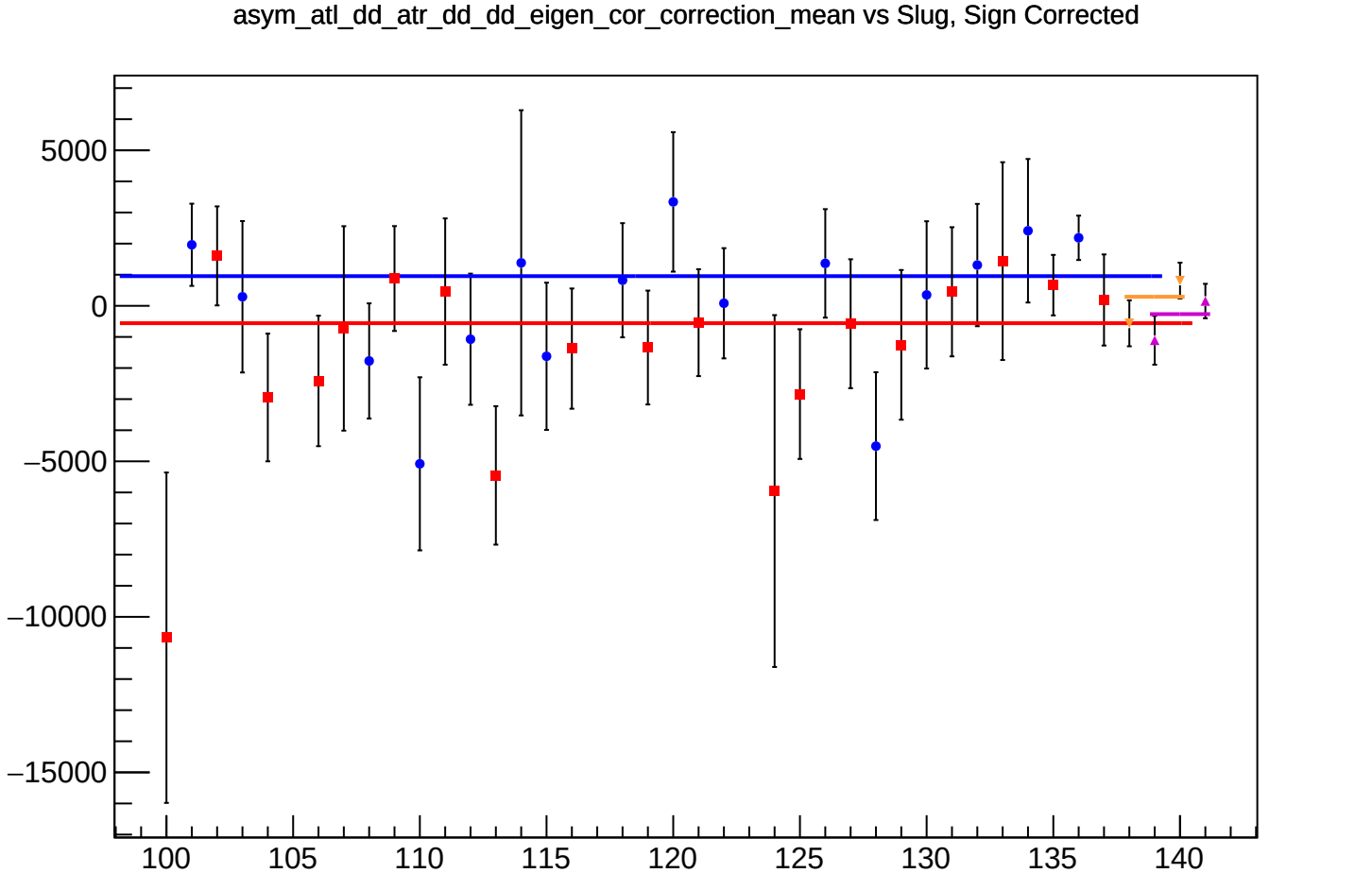
Left: 1290.161+/-0.498 χ^2/NDF: 687.7/3

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1276.328+/-0.306 χ^2/NDF:520164.5/17

Out: 1285.525+/-0.307 χ^2/NDF:329138.9/20

All: 1280.908+/-0.217 χ^2/NDF: 849752.8/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 291.304+/-454.368 χ^2/NDF:2.1/1

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -266.941+/-452.536 χ^2/NDF:1.7/1

Left: 11.054+/-320.637 χ^2/NDF: 4.6/3

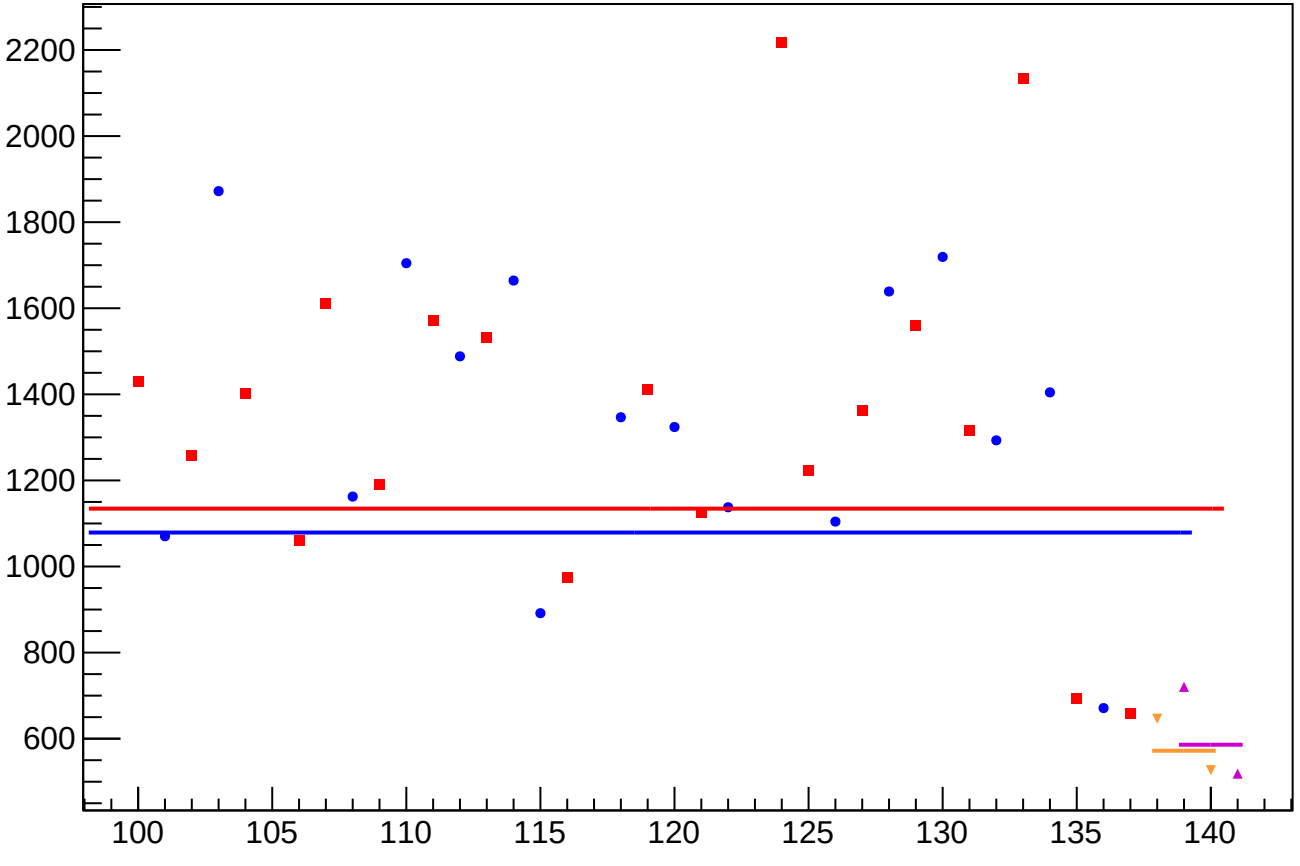
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 380.937+/-310.053 χ^2/NDF:25.4/17

Out: -146.225+/-316.365 χ^2/NDF:22.3/20

All: 122.667+/-221.439 χ^2/NDF: 49.2/38

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 572.029+/-0.321 χ^2/NDF:32638.6/1

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

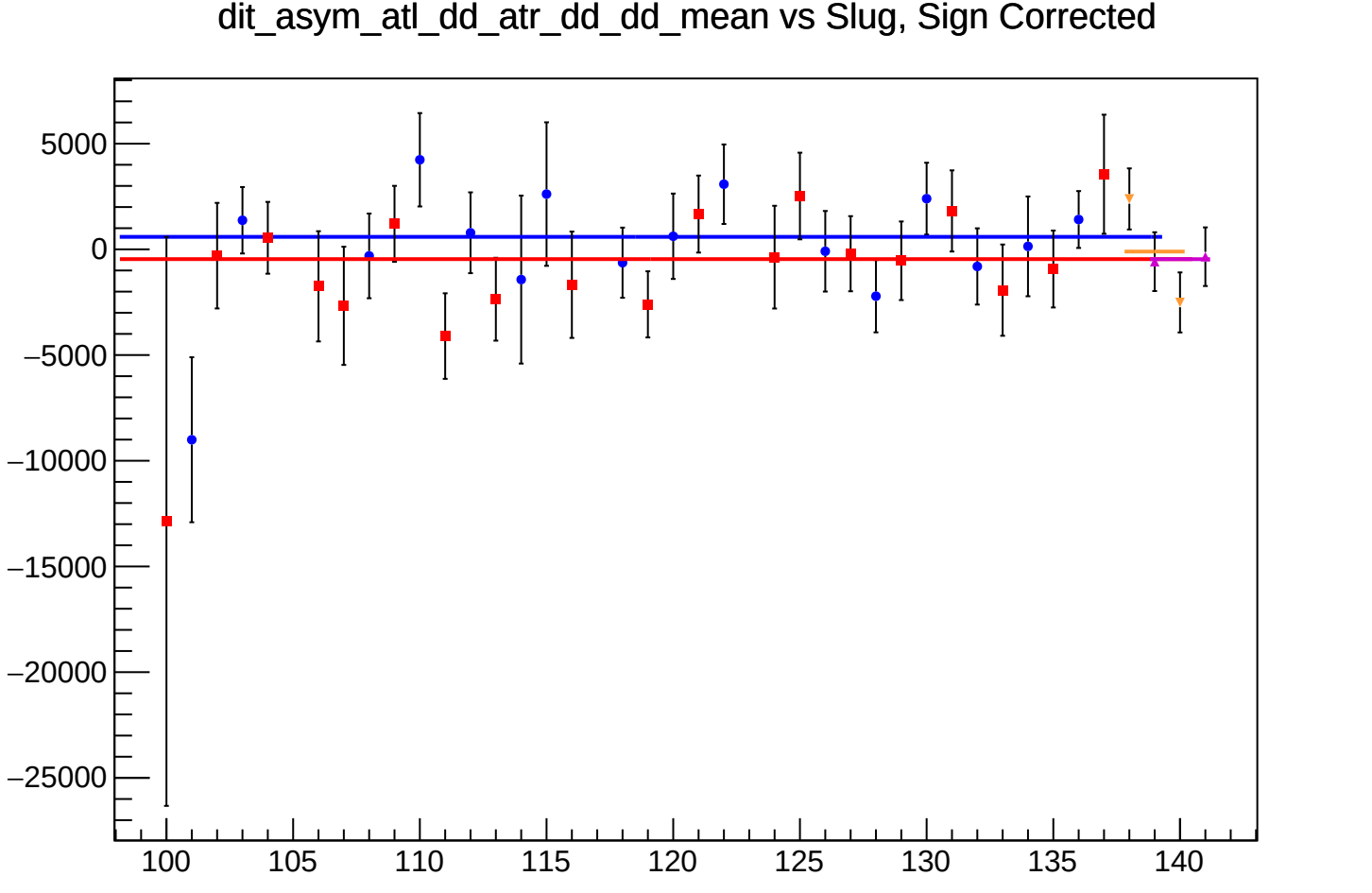
Left: 579.023+/-0.227 χ^2/NDF: 121744.9/3

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 847.518+/-0.219 χ^2/NDF:2826137.7/17

Out: 861.778+/-0.224 χ^2/NDF:2900166.1/20

All: 854.504+/-0.157 χ^2/NDF: 5728376.2/38



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -105.070+/-1012.604 χ^2/NDF:5.8/1

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -465.013+/-981.815 χ^2/NDF:0.0/1

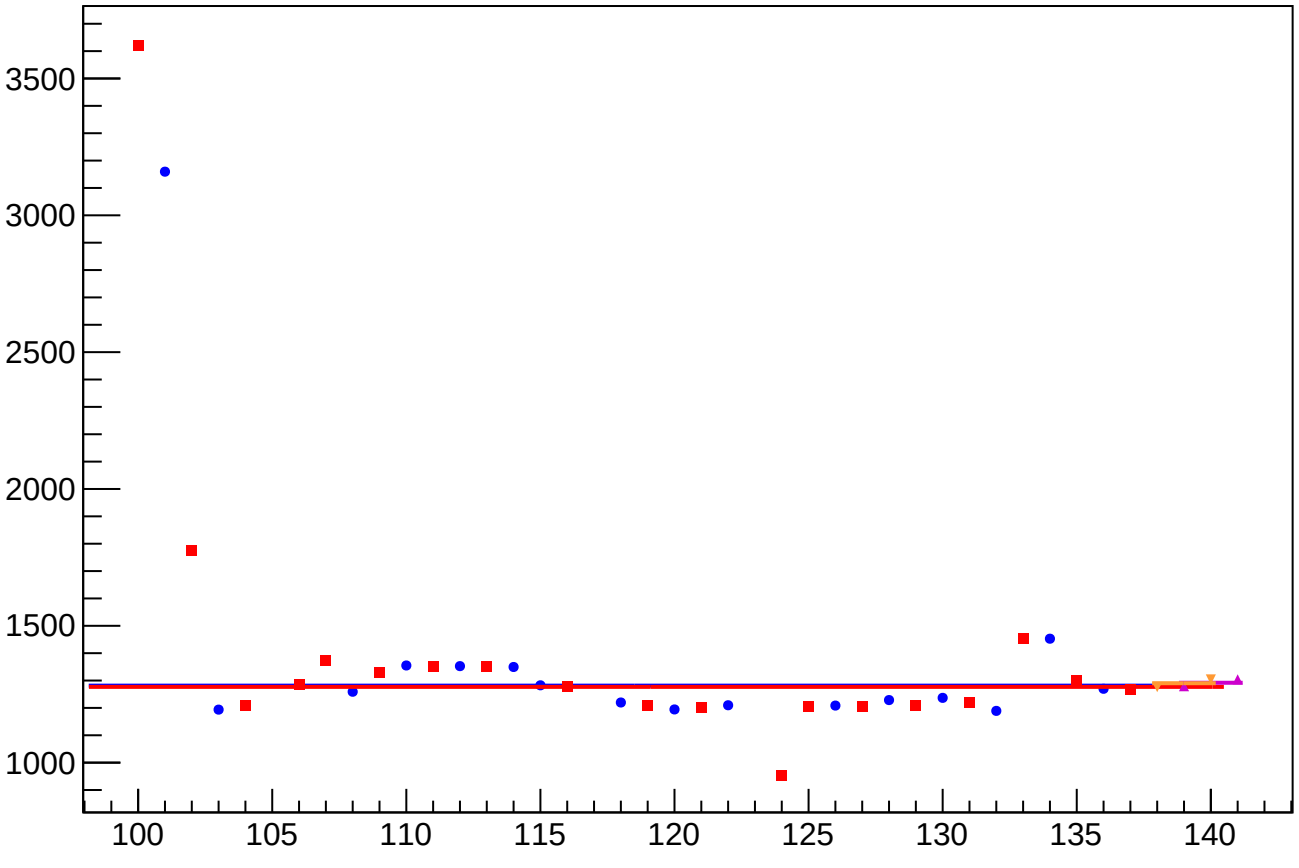
Left: -290.597+/-704.882 χ^2/NDF: 5.9/3

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 382.983+/-435.186 χ^2/NDF:18.1/17

Out: -397.722+/-431.368 χ^2/NDF:22.6/20

All: -10.810+/-306.364 χ^2/NDF: 42.3/38



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1290.238+/-0.716 χ^2/NDF:387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1291.897+/-0.694 χ^2/NDF:329.8/1

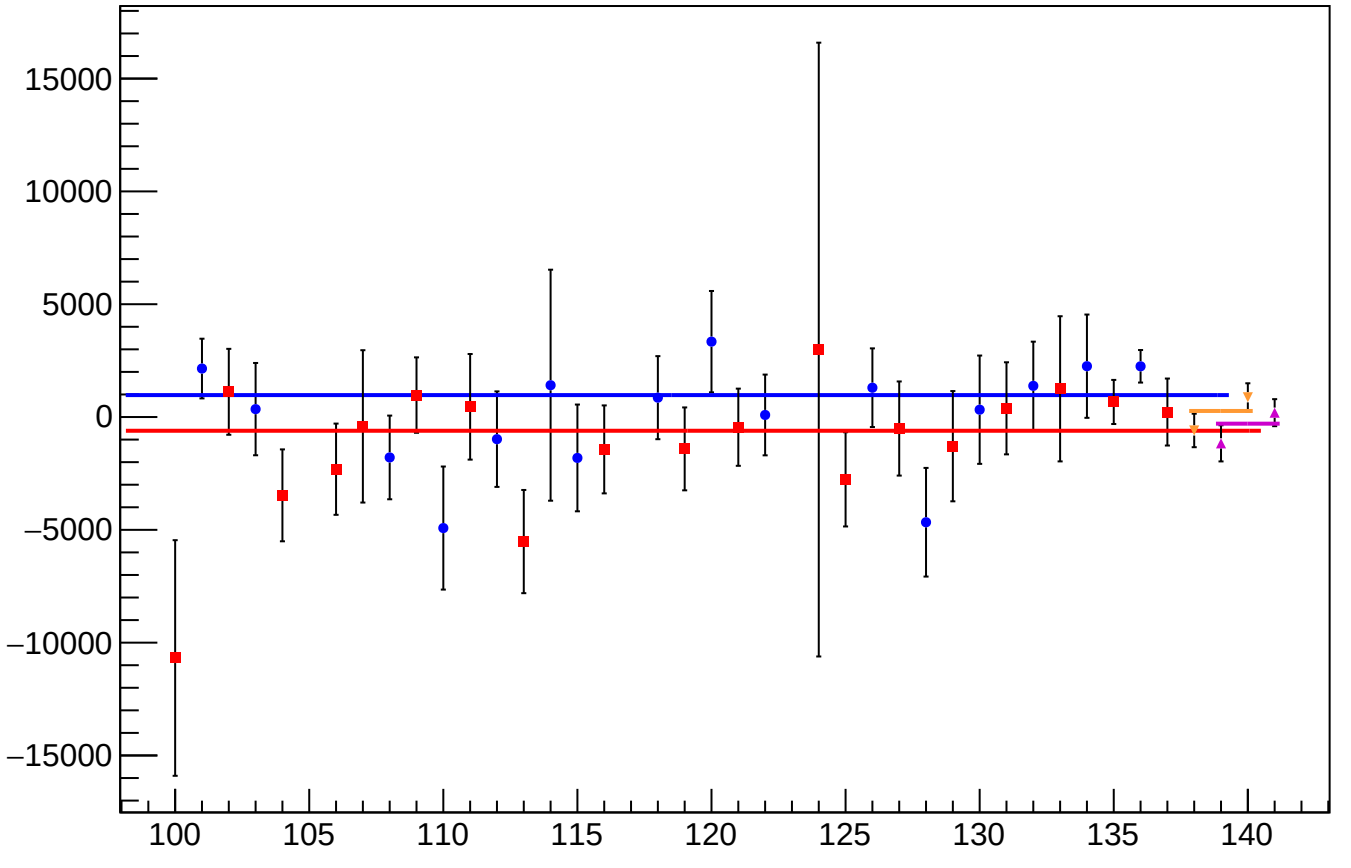
Left: 1291.093+/-0.498 χ^2/NDF: 719.5/3

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1283.437+/-0.308 χ^2/NDF:507593.0/17

Out: 1279.288+/-0.305 χ^2/NDF:221186.3/20

All: 1281.344+/-0.217 χ^2/NDF: 728871.1/38



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 268.805+/-476.626 χ^2/NDF:2.3/1

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -294.204+/-479.501 χ^2/NDF:1.9/1

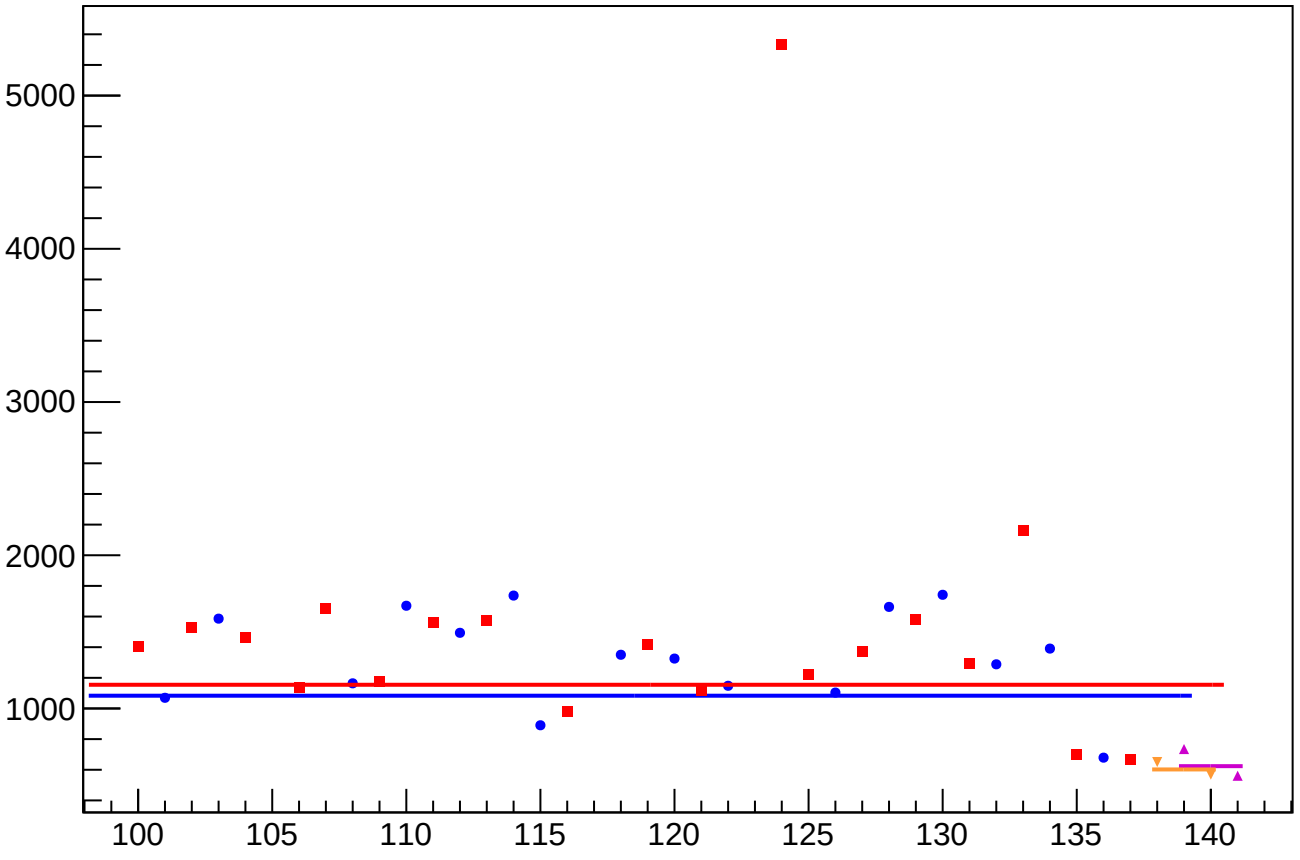
Left: -11.007+/-338.037 χ^2/NDF: 4.8/3

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 414.757+/-318.143 χ^2/NDF:26.2/17

Out: -197.205+/-326.332 χ^2/NDF:21.2/20

All: 116.550+/-227.801 χ^2/NDF: 49.2/38



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 602.065+/-0.337 χ^2/NDF:14404.4/1

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 623.559+/-0.339 χ^2/NDF:60772.0/1

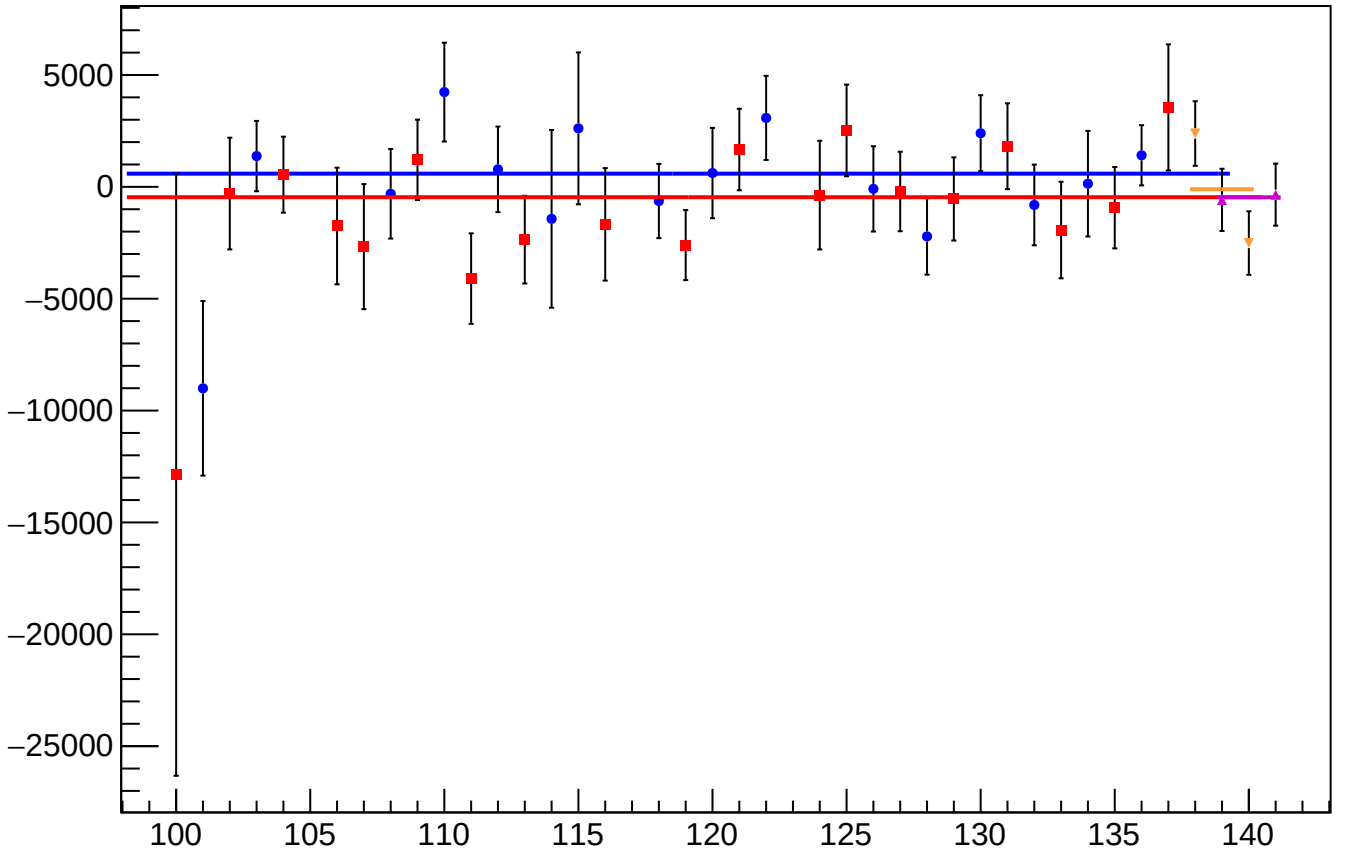
Left: 612.747+/-0.239 χ^2/NDF: 77197.9/3

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 880.934+/-0.225 χ^2/NDF:2450276.3/17

Out: 895.652+/-0.231 χ^2/NDF:2931173.2/20

All: 888.106+/-0.161 χ^2/NDF: 5383535.3/38



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -105.078+/-1012.604 χ^2/NDF:5.8/1

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -465.021+/-981.815 χ^2/NDF:0.0/1

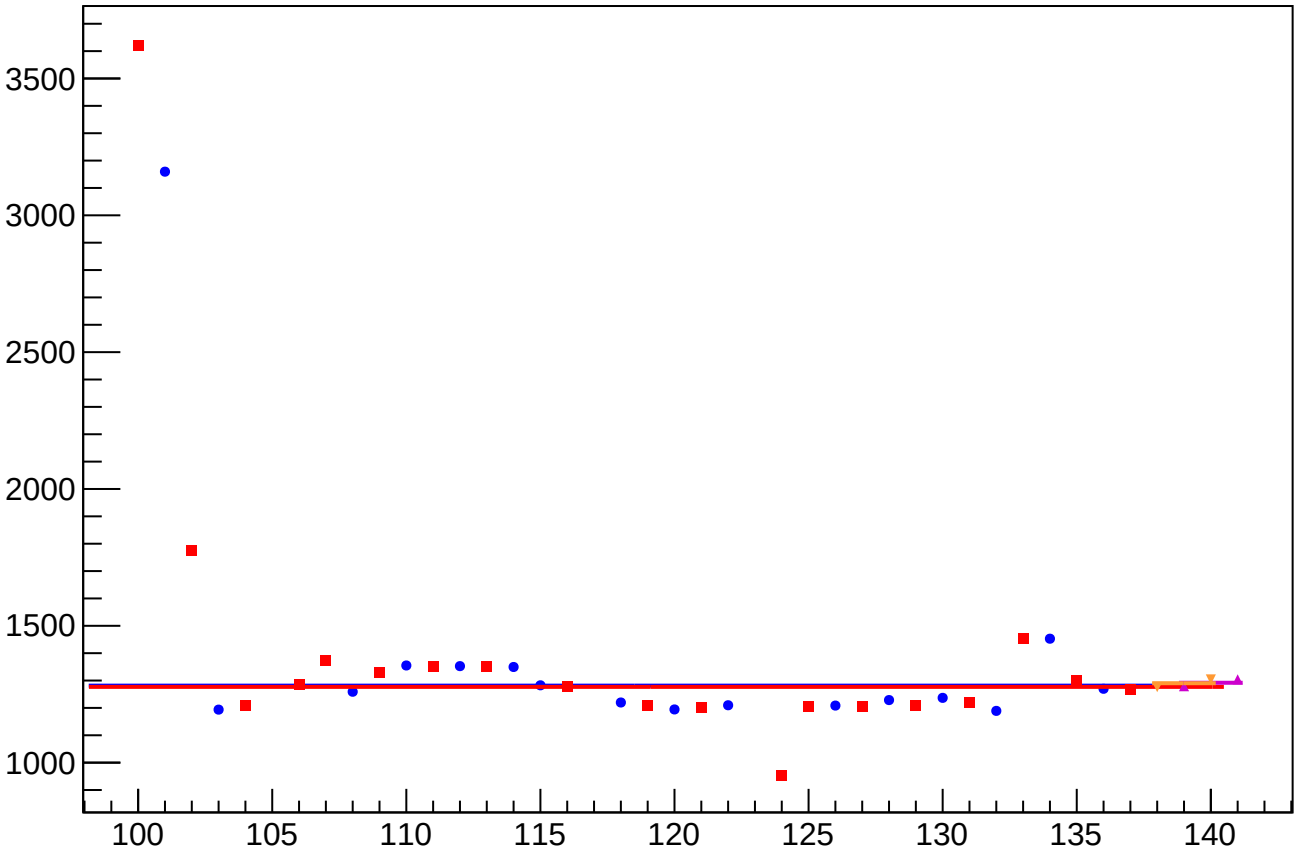
Left: -290.605+/-704.882 χ^2/NDF: 5.9/3

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 382.982+/-435.186 χ^2/NDF:18.1/17

Out: -397.723+/-431.368 χ^2/NDF:22.6/20

All: -10.811+/-306.364 χ^2/NDF: 42.3/38



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1290.238+/-0.716 χ^2/NDF:387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1291.898+/-0.694 χ^2/NDF:329.8/1

Left: 1291.093+/-0.498 χ^2/NDF: 719.6/3

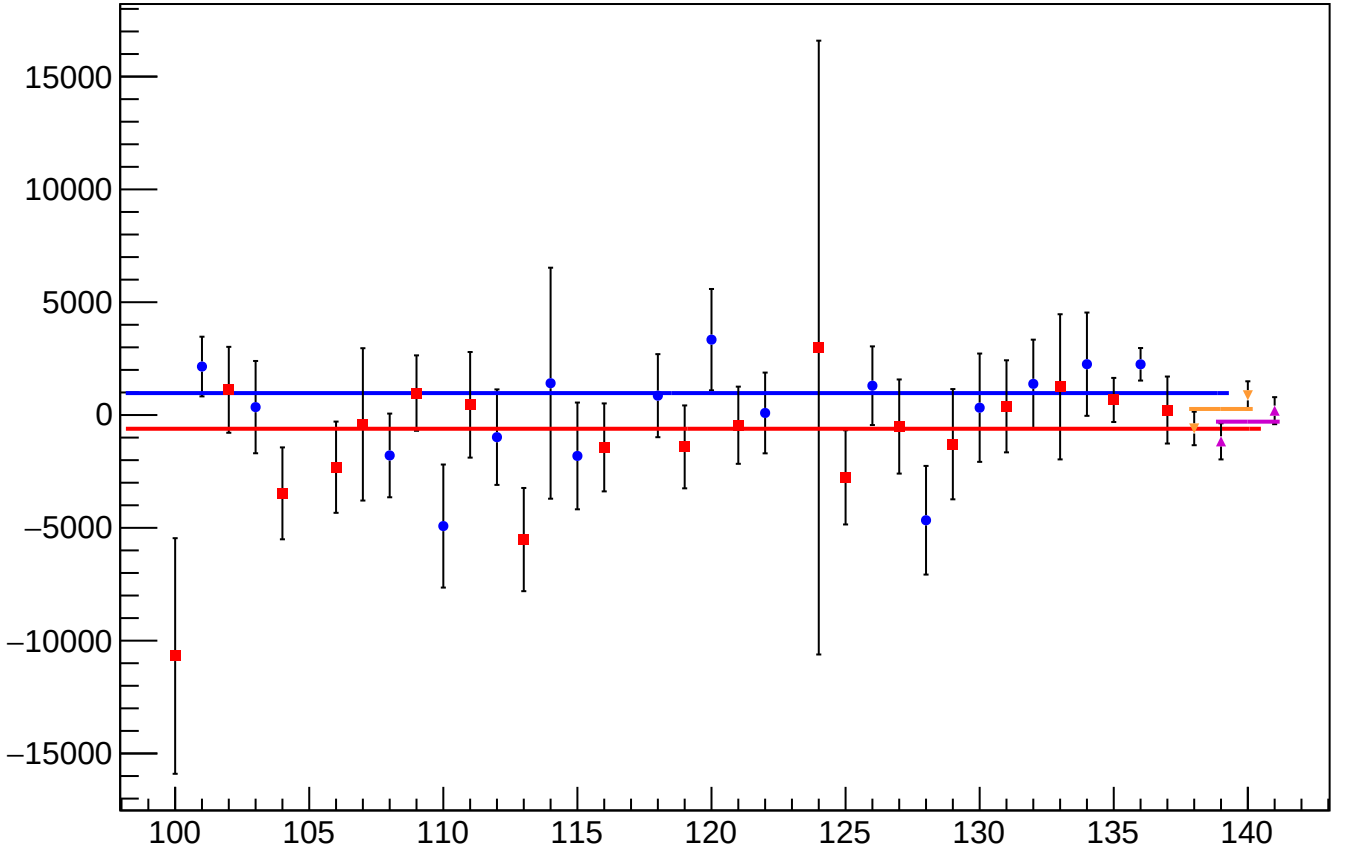
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1283.437+/-0.308 χ^2/NDF:507593.2/17

Out: 1279.288+/-0.305 χ^2/NDF:221186.2/20

All: 1281.344+/-0.217 χ^2/NDF: 728871.1/38

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 268.810+/-476.631 χ^2/NDF:2.3/1

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -294.202+/-479.505 χ^2/NDF:1.9/1

Left: -11.004+/-338.040 χ^2/NDF: 4.8/3

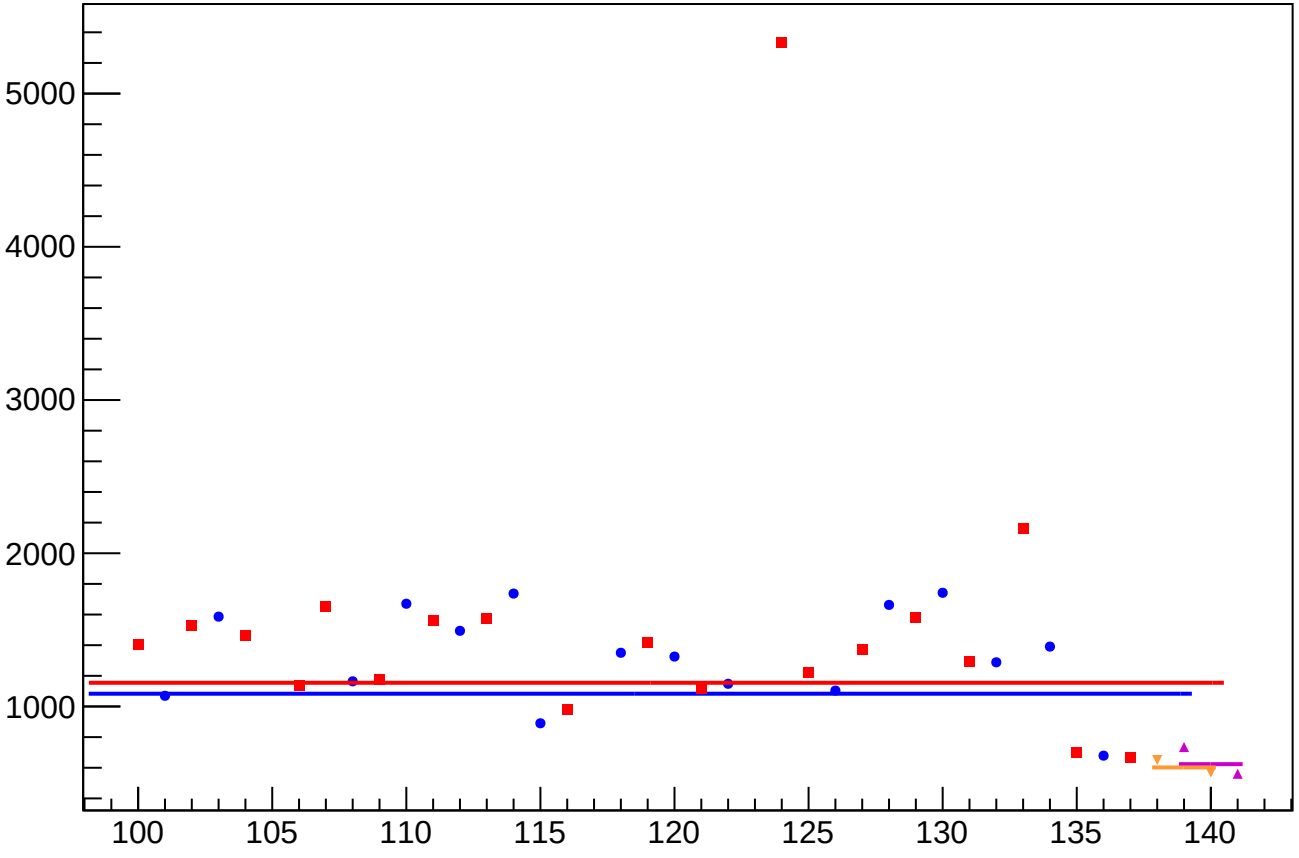
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 414.758+/-318.145 χ^2/NDF:26.2/17

Out: -197.211+/-326.334 χ^2/NDF:21.2/20

All: 116.548+/-227.803 χ^2/NDF: 49.2/38

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 602.071+/-0.337 χ^2/NDF:14407.5/1

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 623.564+/-0.339 χ^2/NDF:60777.2/1

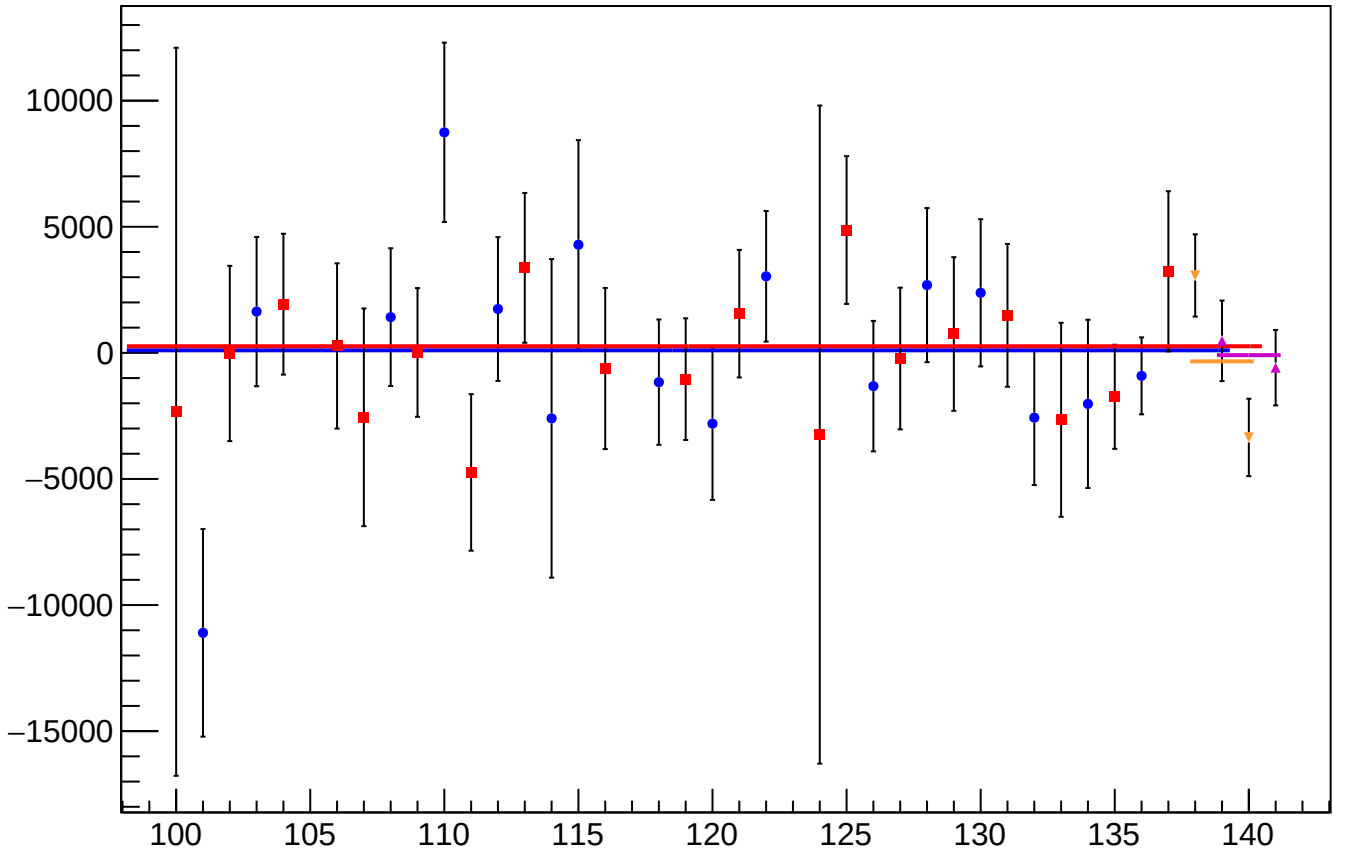
Left: 612.753+/-0.239 χ^2/NDF: 77205.9/3

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 880.941+/-0.225 χ^2/NDF:2450216.9/17

Out: 895.660+/-0.231 χ^2/NDF:2931107.0/20

All: 888.113+/-0.161 χ^2/NDF: 5383410.1/38



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -336.732+/-1118.070 χ^2/NDF:8.2/1

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -90.169+/-1091.699 χ^2/NDF:0.2/1

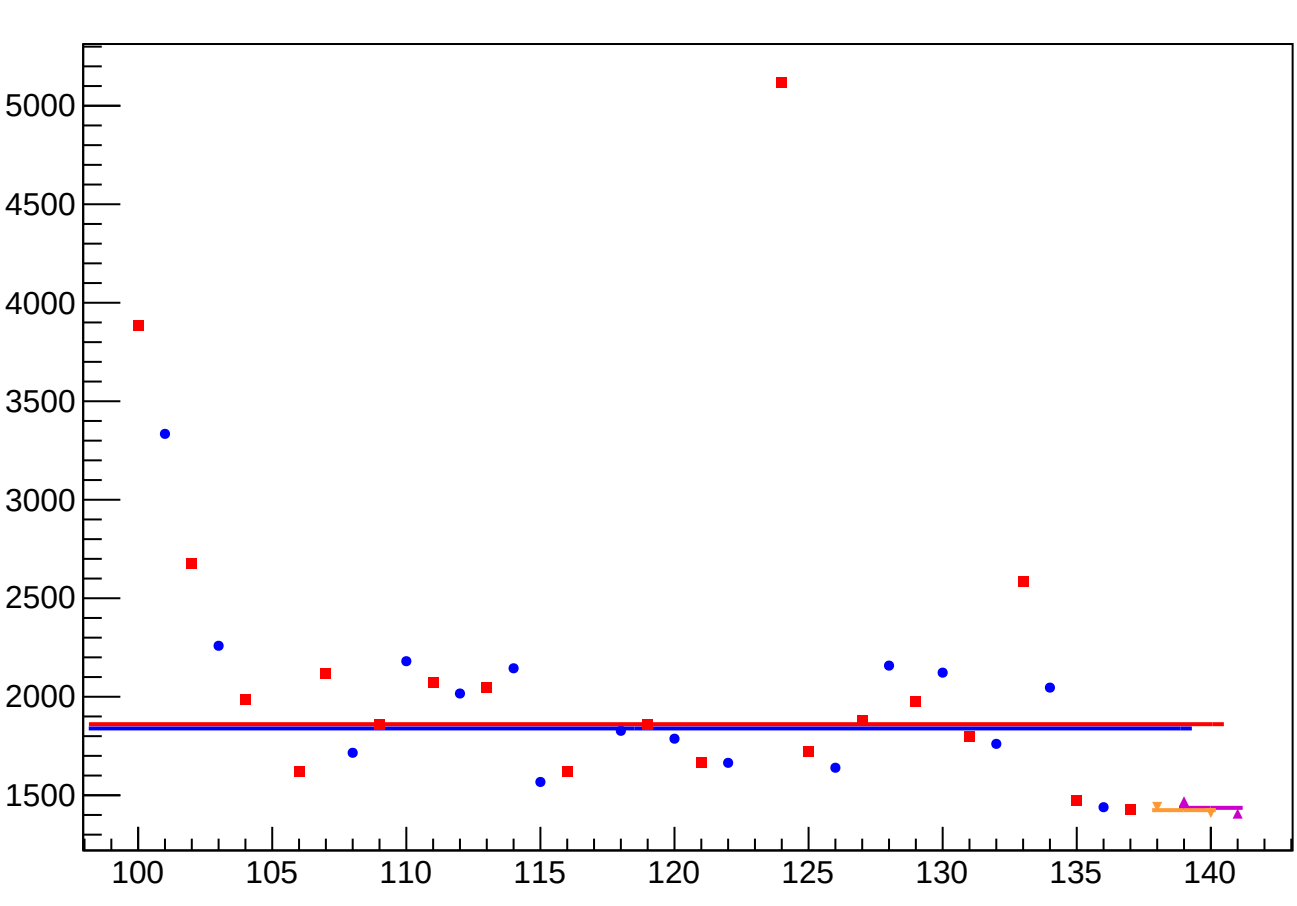
Left: -210.508+/-781.105 χ^2/NDF: 8.5/3

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 45.028+/-588.661 χ^2/NDF:21.5/17

Out: 94.020+/-593.143 χ^2/NDF:18.8/20

All: 69.338+/-417.822 χ^2/NDF: 40.3/38



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1424.369+/-0.791 χ^2/NDF:385.0/1

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1436.114+/-0.772 χ^2/NDF:1630.3/1

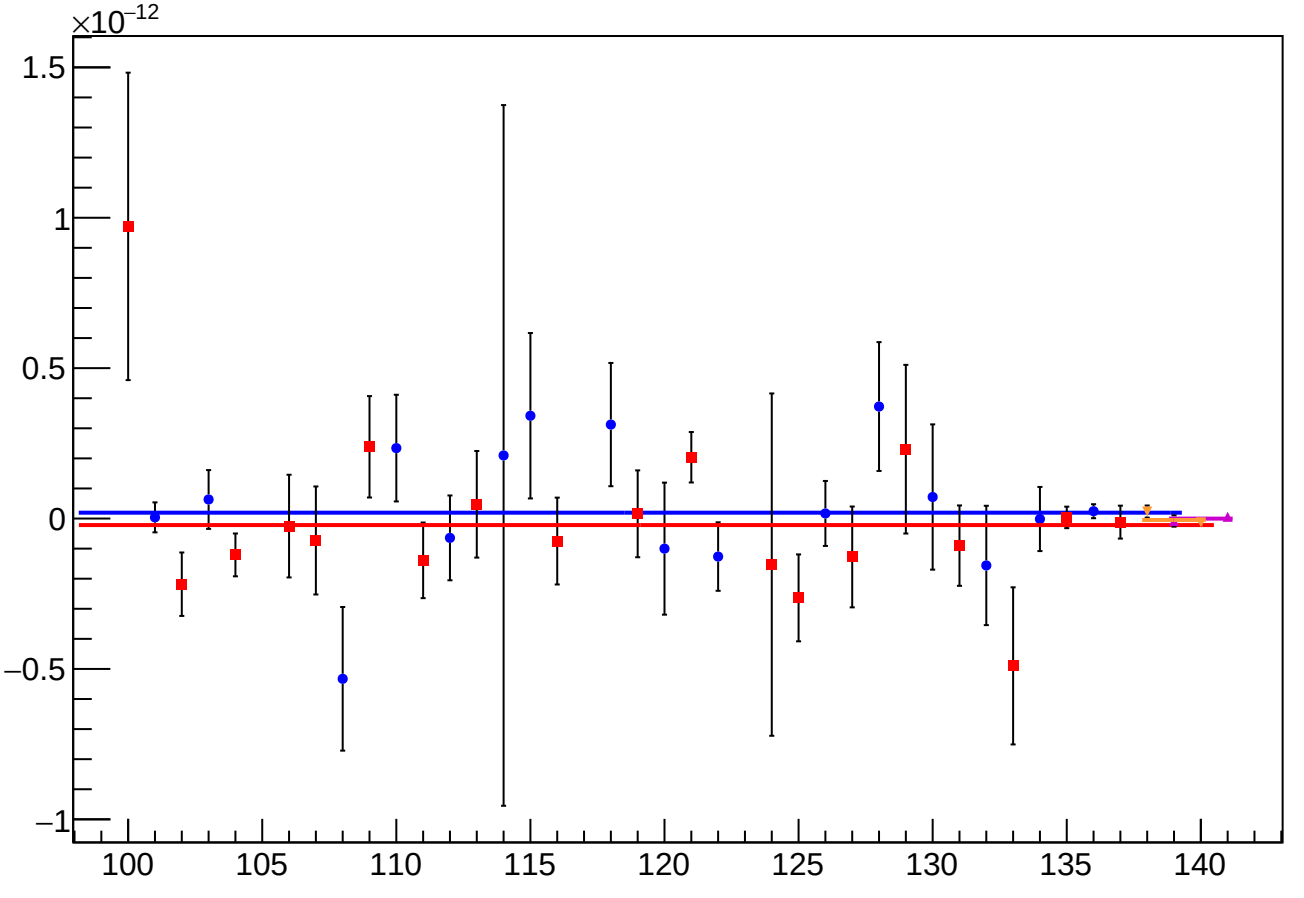
Left: 1430.382+/-0.552 χ^2/NDF: 2128.4/3

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1721.940+/-0.416 χ^2/NDF:751654.7/17

Out: 1737.941+/-0.419 χ^2/NDF:741426.0/20

All: 1729.880+/-0.295 χ^2/NDF: 1493813.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

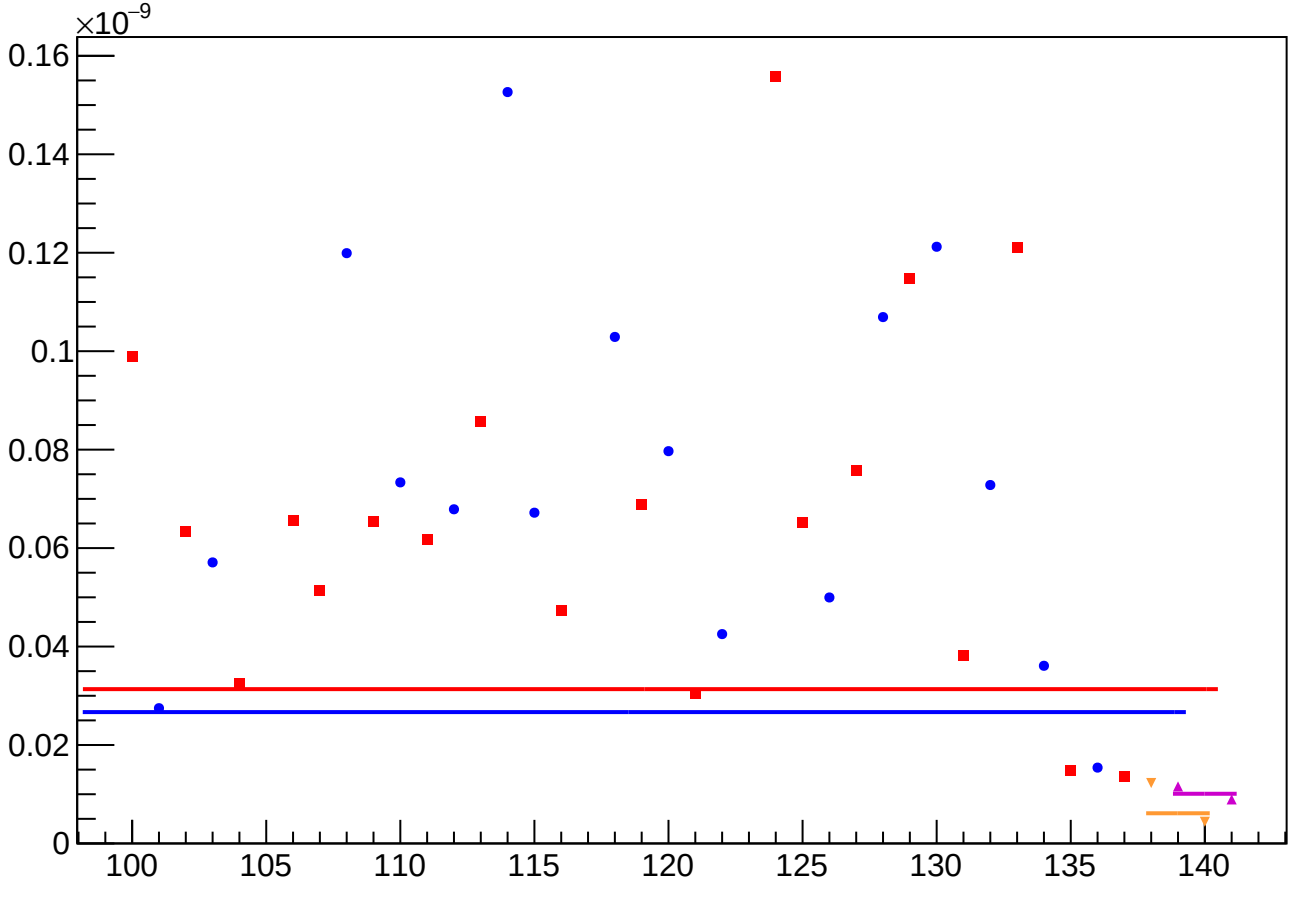
Left: -0.000+/-0.000 χ^2/NDF: 2.9/3

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:17.6/17

Out: -0.000+/-0.000 χ^2/NDF:31.1/20

All: -0.000+/-0.000 χ^2/NDF: 49.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:237810.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:22407.9/1

Left: 0.000+/-0.000 χ^2/NDF: 390224.3/3

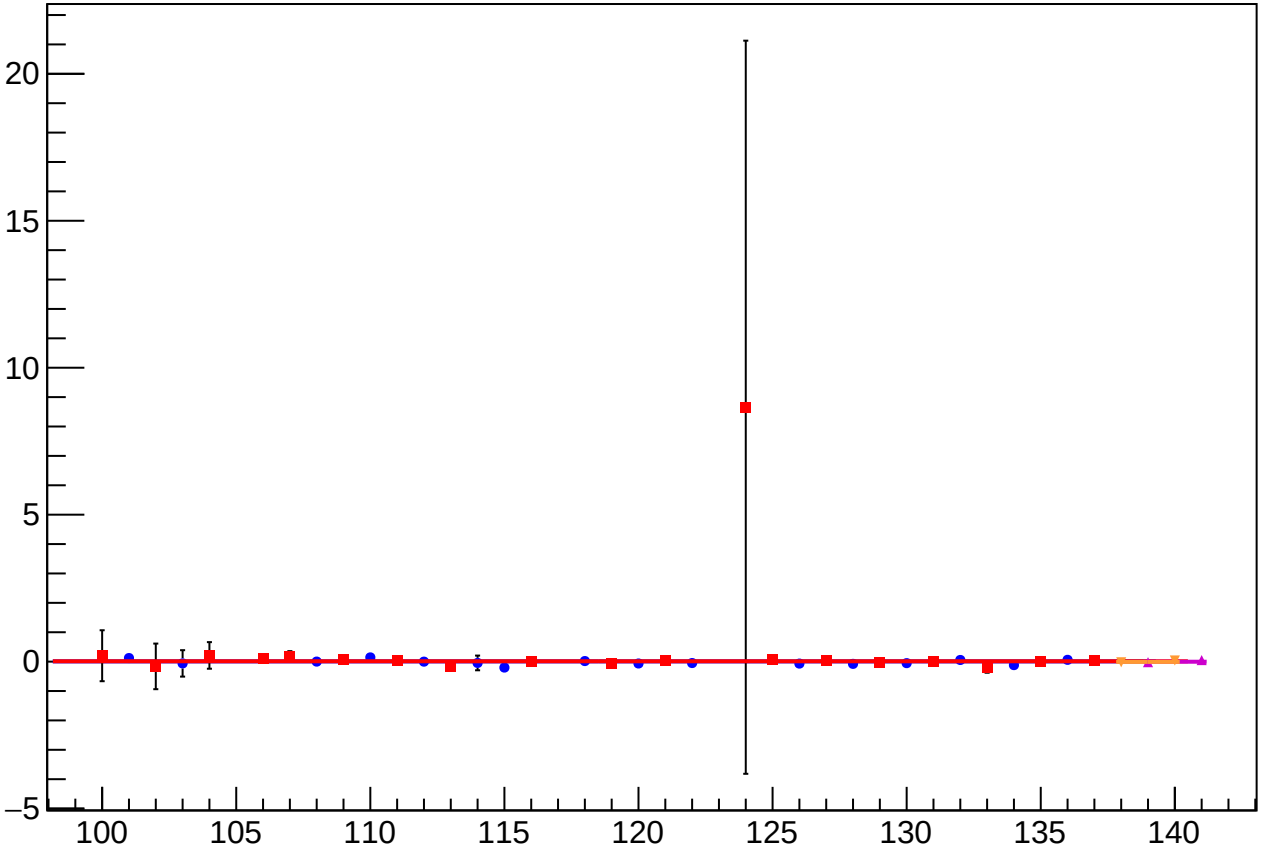
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:3690838.9/17

Out: 0.000+/-0.000 χ^2/NDF:4682434.0/20

All: 0.000+/-0.000 χ^2/NDF: 8661876.1/38

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.024 χ^2/NDF:1.4/1

Left: -0.006+/-0.017 χ^2/NDF: 2.5/3

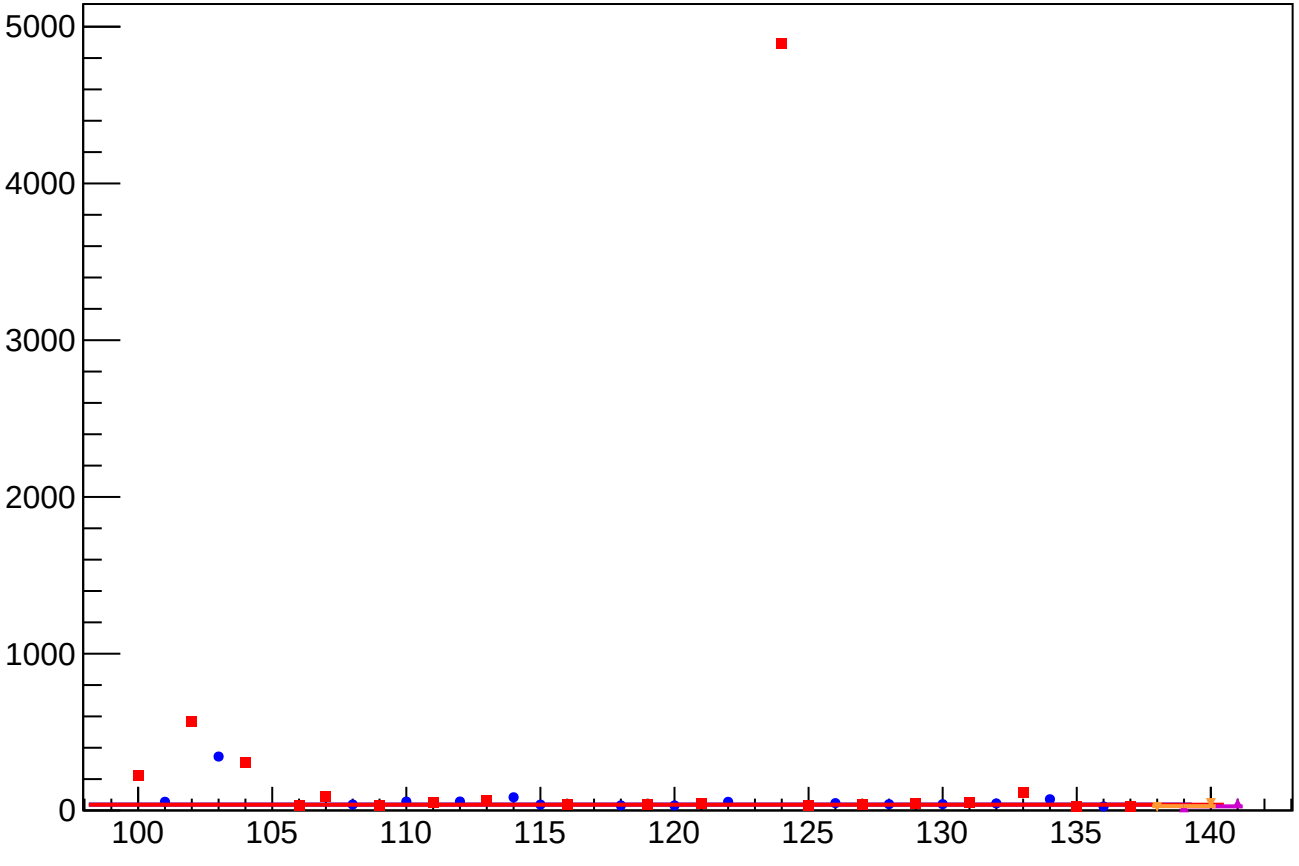
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.005+/-0.010 χ^2/NDF: 35.0/38

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 27.541+/-0.018 χ^2/NDF:337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 26.130+/-0.017 χ^2/NDF:417356.7/1

Left: 26.806+/-0.012 χ^2/NDF: 758207.1/3

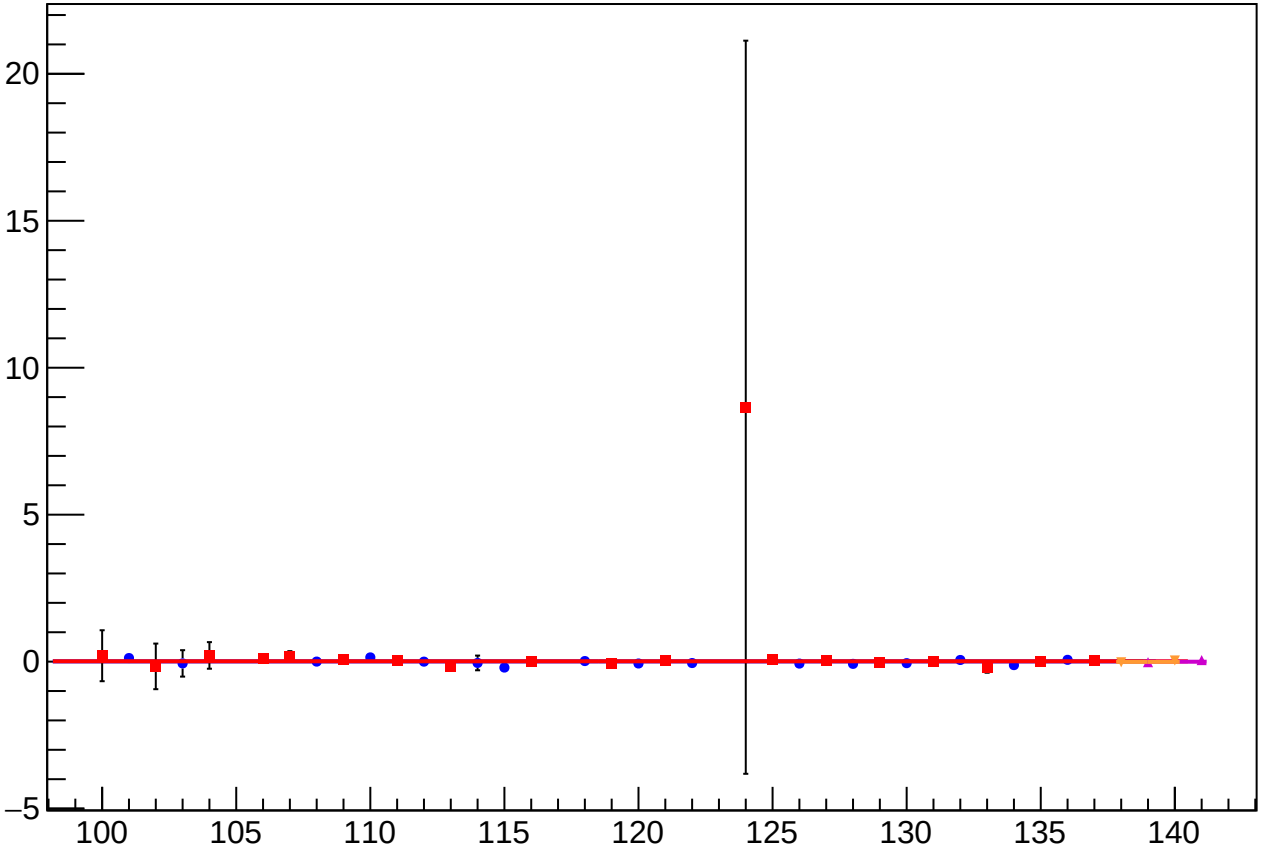
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.015+/-0.009 χ^2/NDF:2706564.2/17

Out: 33.977+/-0.010 χ^2/NDF:3714689.4/20

All: 33.997+/-0.007 χ^2/NDF: 6421260.9/38

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.024 χ^2/NDF:1.4/1

Left: -0.006+/-0.017 χ^2/NDF: 2.5/3

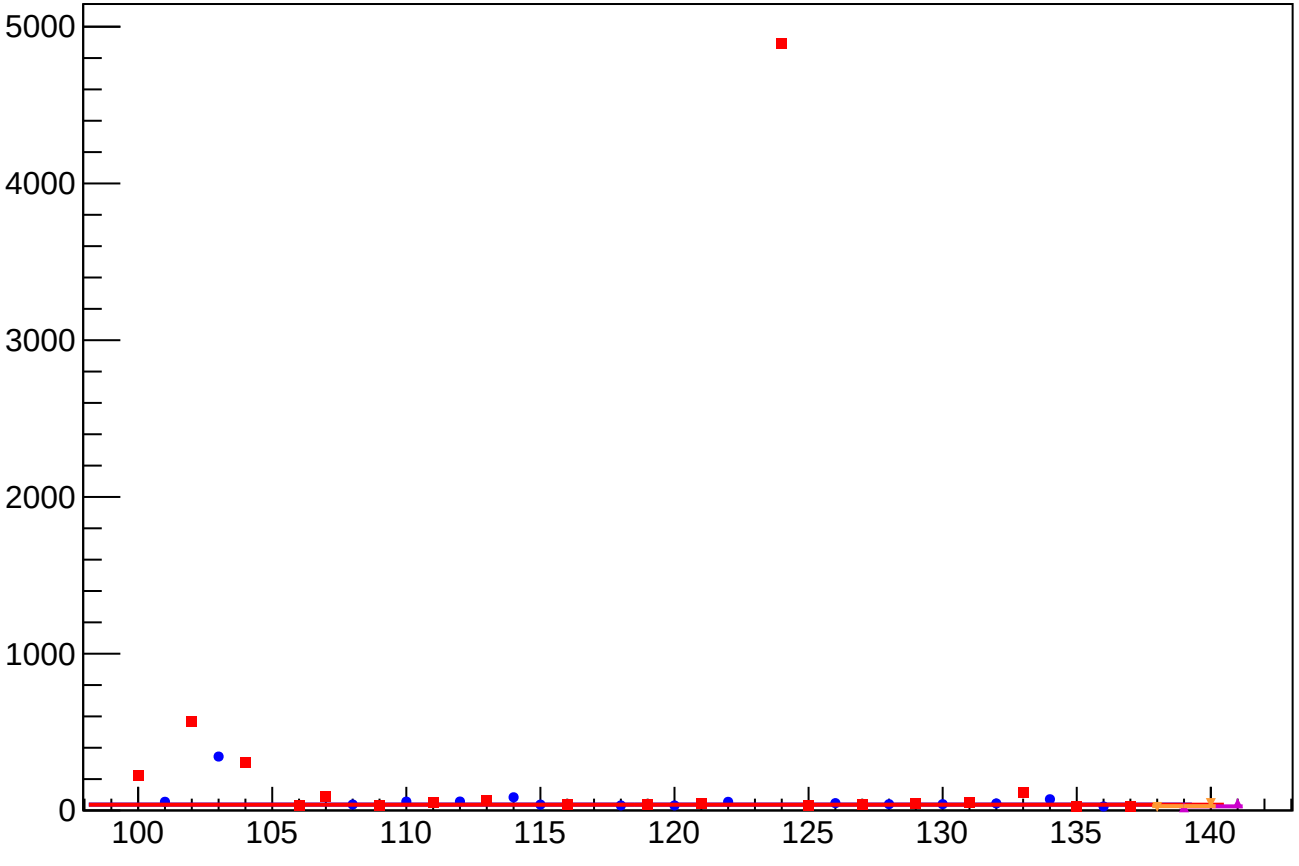
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.005+/-0.010 χ^2/NDF: 35.0/38

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 27.541+/-0.018 χ^2/NDF:337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 26.130+/-0.017 χ^2/NDF:417356.7/1

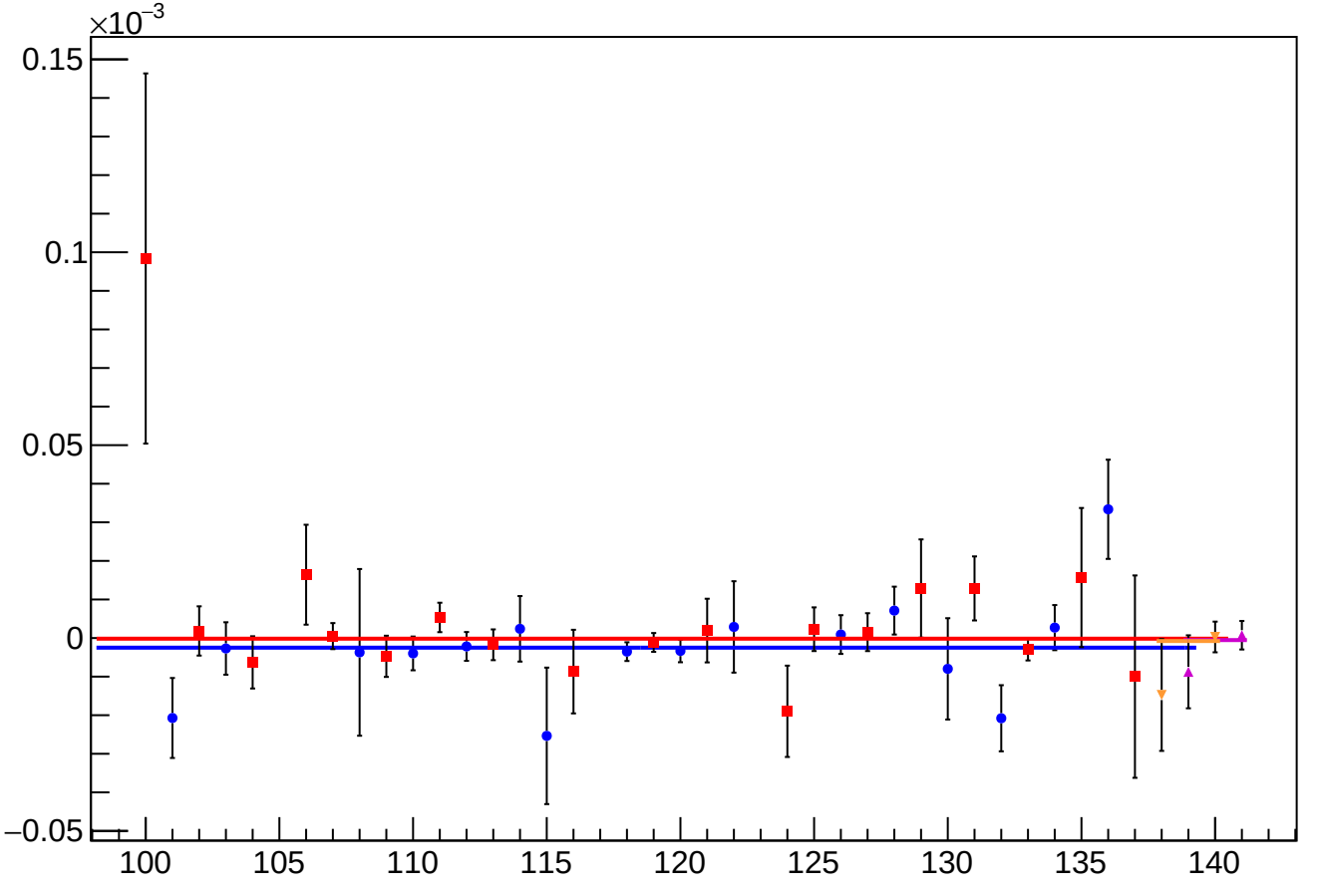
Left: 26.806+/-0.012 χ^2/NDF: 758207.1/3

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.015+/-0.009 χ^2/NDF:2706564.2/17

Out: 33.977+/-0.010 χ^2/NDF:3714689.4/20

All: 33.997+/-0.007 χ^2/NDF: 6421260.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

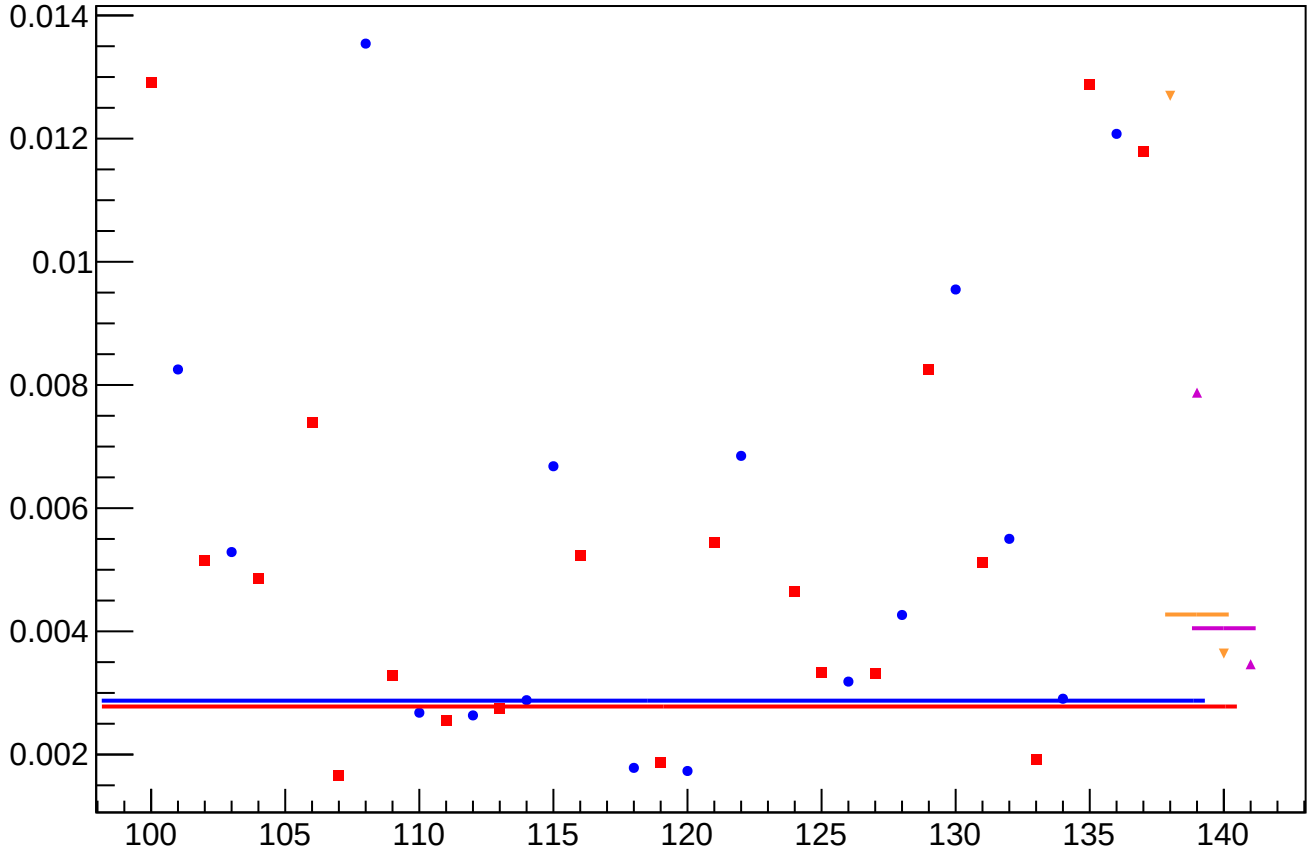
Left: -0.000+/-0.000 χ^2/NDF: 1.9/3

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:23.0/17

Out: -0.000+/-0.000 χ^2/NDF:19.9/20

All: -0.000+/-0.000 χ^2/NDF: 44.4/38



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:726251.8/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:377253.9/1

Left: 0.004+/-0.000 χ^2/NDF: 1107249.4/3

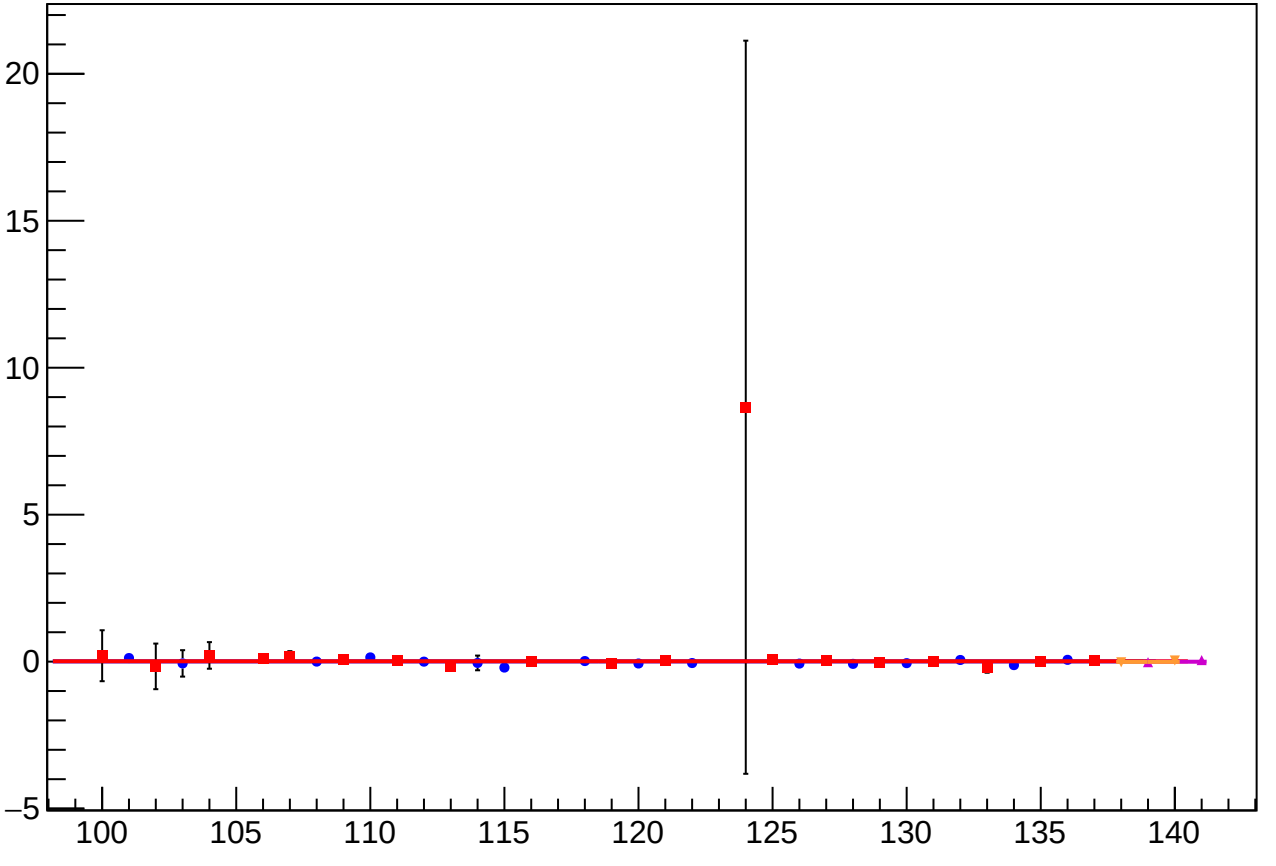
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4733338.9/17

Out: 0.003+/-0.000 χ^2/NDF:4314752.0/20

All: 0.003+/-0.000 χ^2/NDF: 9057720.3/38

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.024 χ^2/NDF:1.4/1

Left: -0.006+/-0.017 χ^2/NDF: 2.5/3

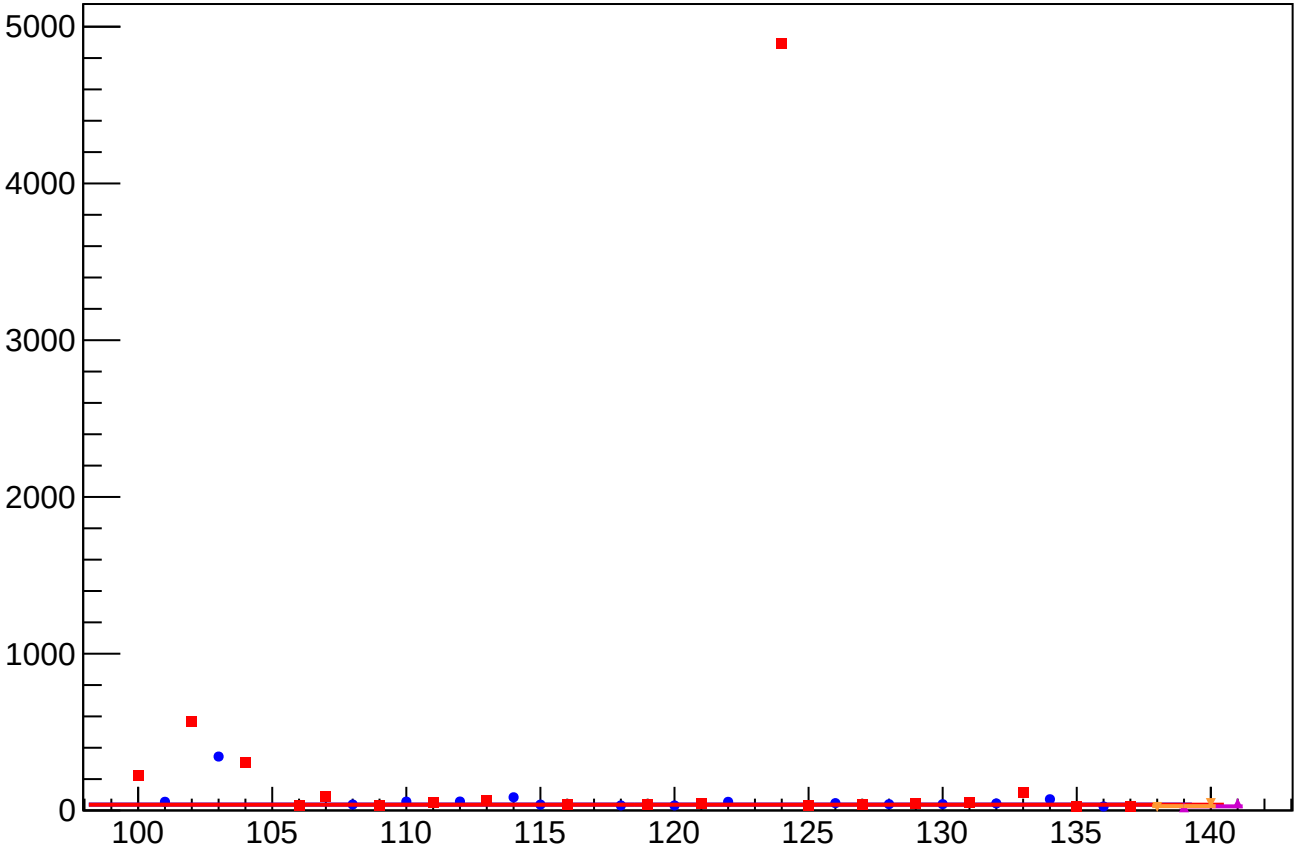
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.005+/-0.010 χ^2/NDF: 35.0/38

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 27.536+/-0.018 χ^2/NDF:337799.5/1

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 26.140+/-0.017 χ^2/NDF:417082.2/1

Left: 26.809+/-0.012 χ^2/NDF: 758070.3/3

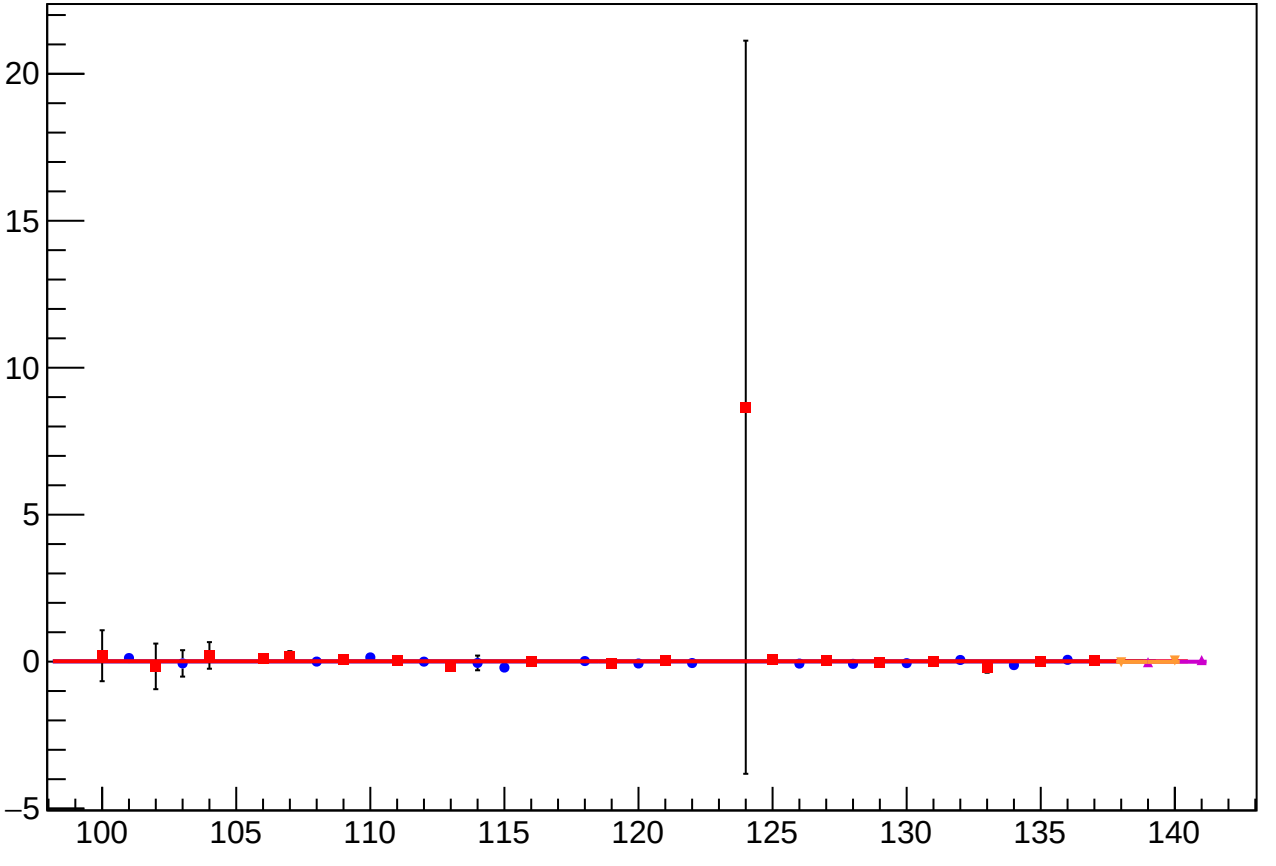
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.019+/-0.009 χ^2/NDF:2705627.8/17

Out: 33.977+/-0.010 χ^2/NDF:3714847.4/20

All: 33.999+/-0.007 χ^2/NDF: 6420484.6/38

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.024 χ^2/NDF:1.4/1

Left: -0.006+/-0.017 χ^2/NDF: 2.5/3

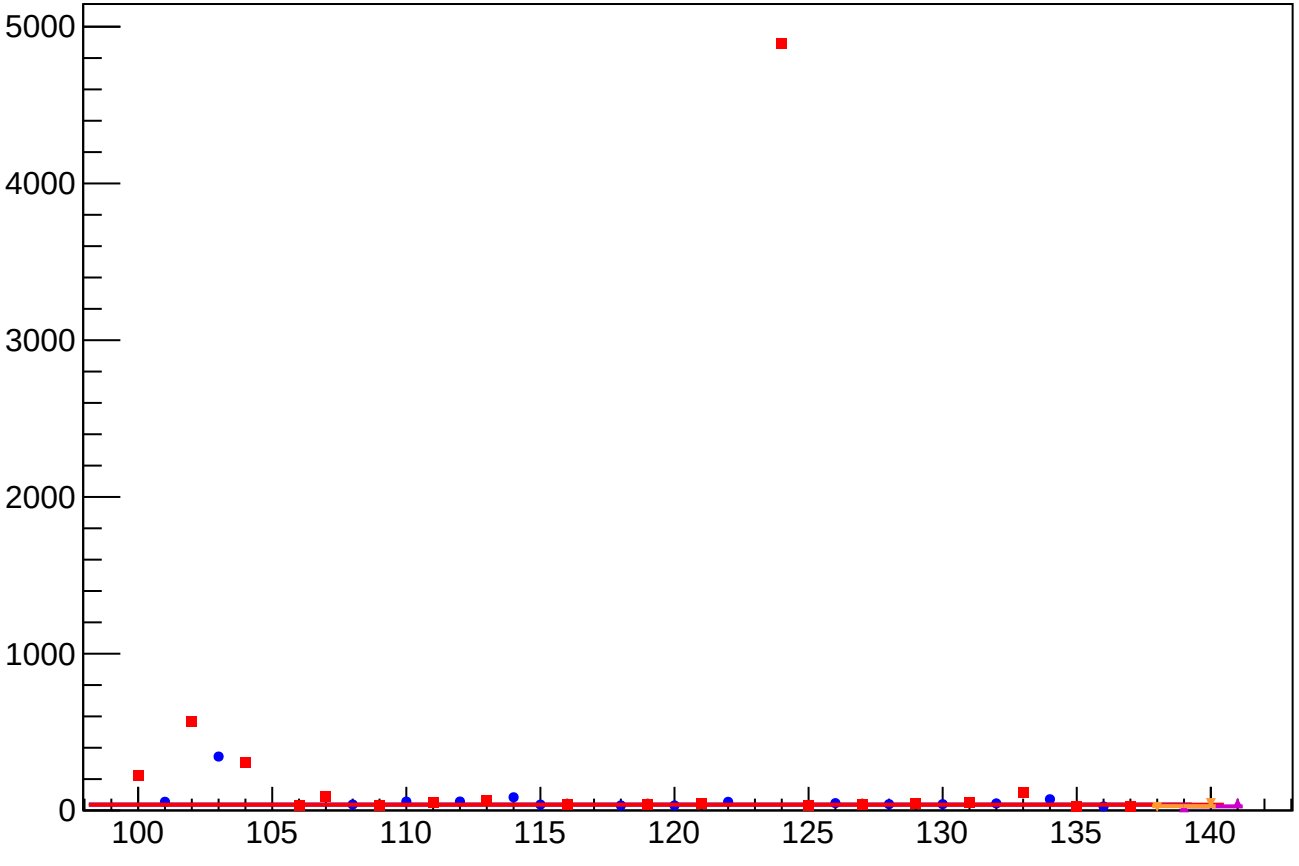
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.005+/-0.010 χ^2/NDF: 35.0/38

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 27.536+/-0.018 χ^2/NDF:337799.5/1

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 26.140+/-0.017 χ^2/NDF:417082.2/1

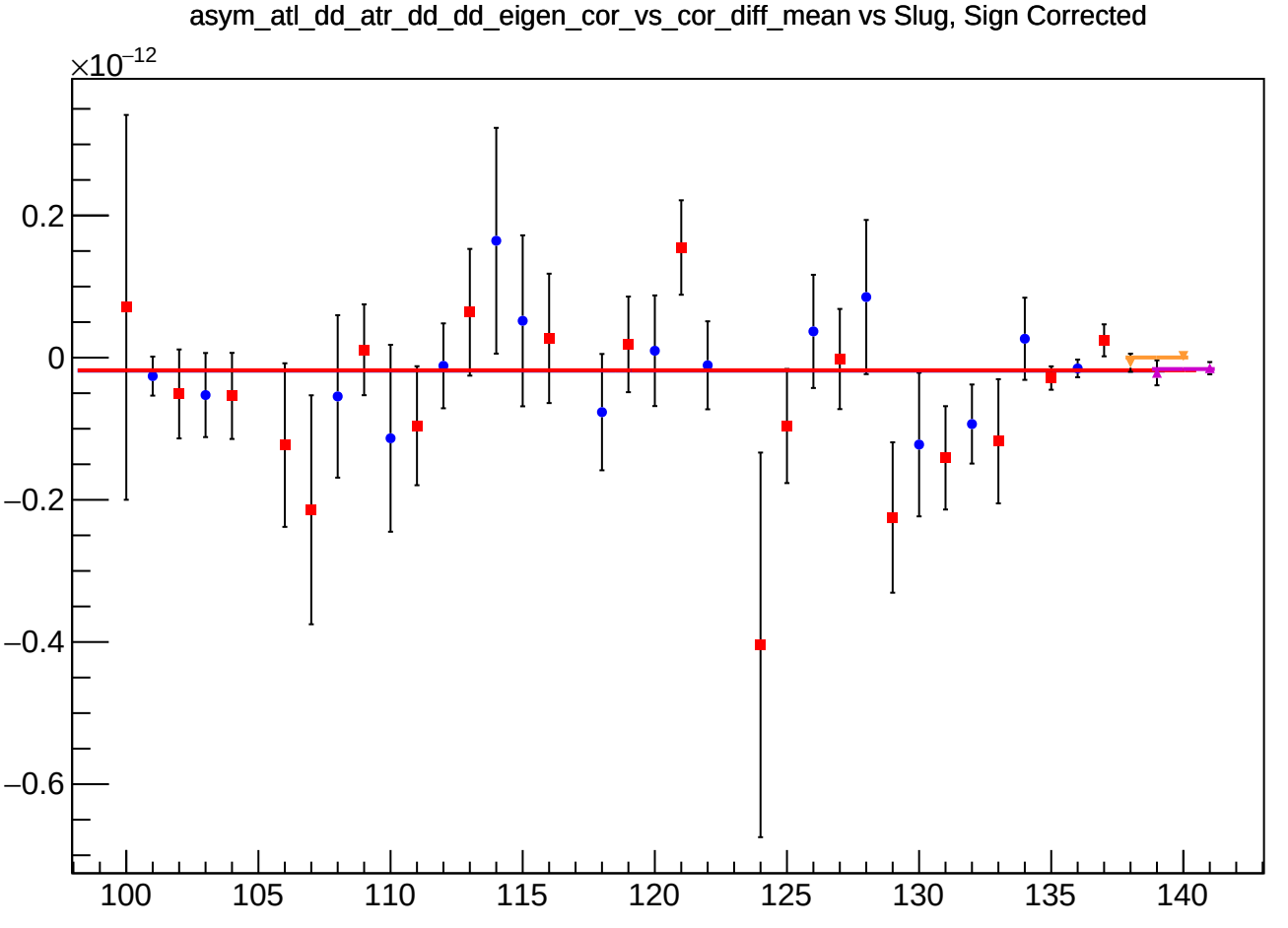
Left: 26.809+/-0.012 χ^2/NDF: 758070.3/3

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.019+/-0.009 χ^2/NDF:2705627.8/17

Out: 33.977+/-0.010 χ^2/NDF:3714847.4/20

All: 33.999+/-0.007 χ^2/NDF: 6420484.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

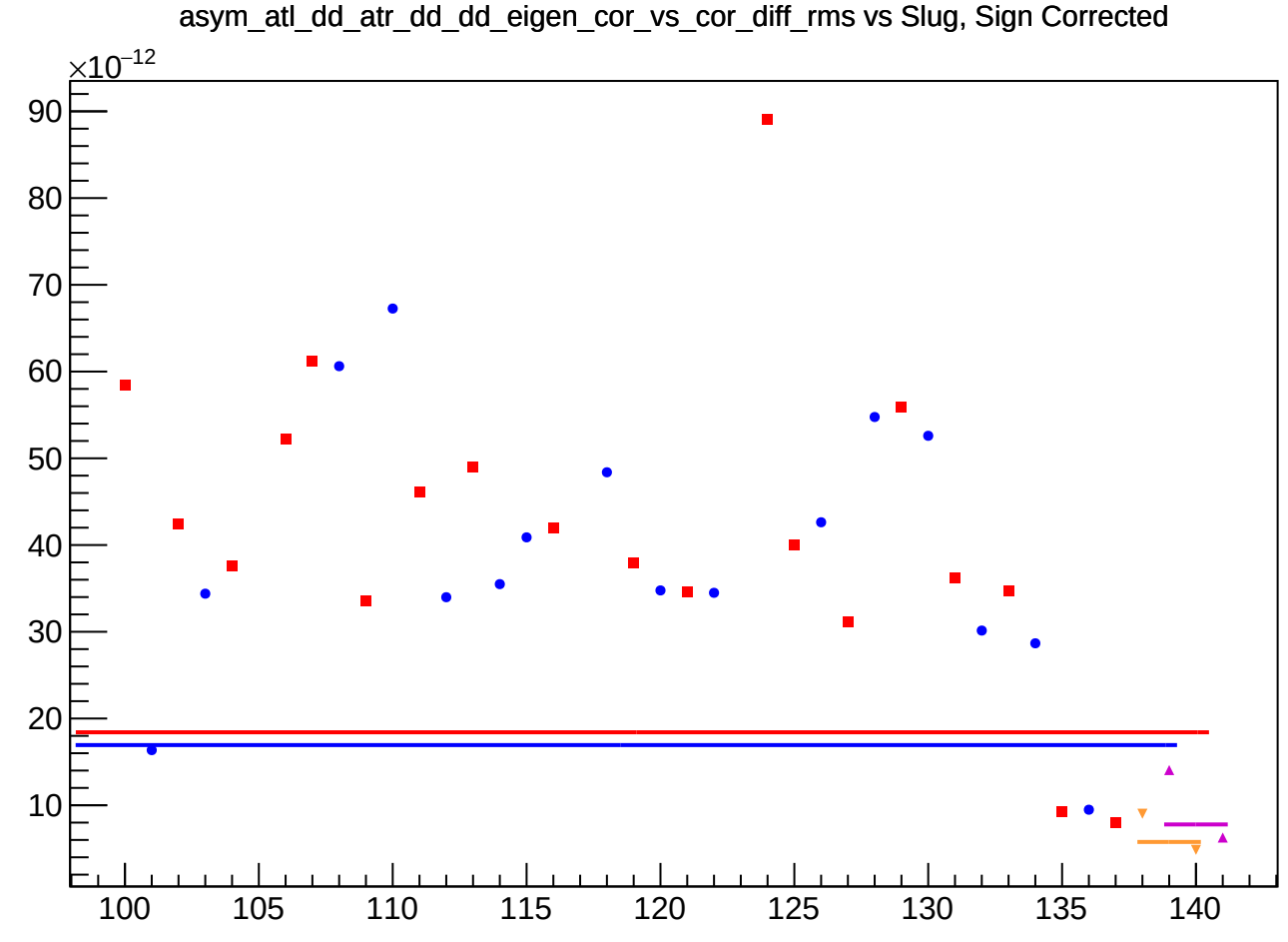
Left: -0.000+/-0.000 χ^2/NDF: 3.3/3

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:8.5/17

Out: -0.000+/-0.000 χ^2/NDF:29.8/20

All: -0.000+/-0.000 χ^2/NDF: 40.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:166621.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:316105.3/1

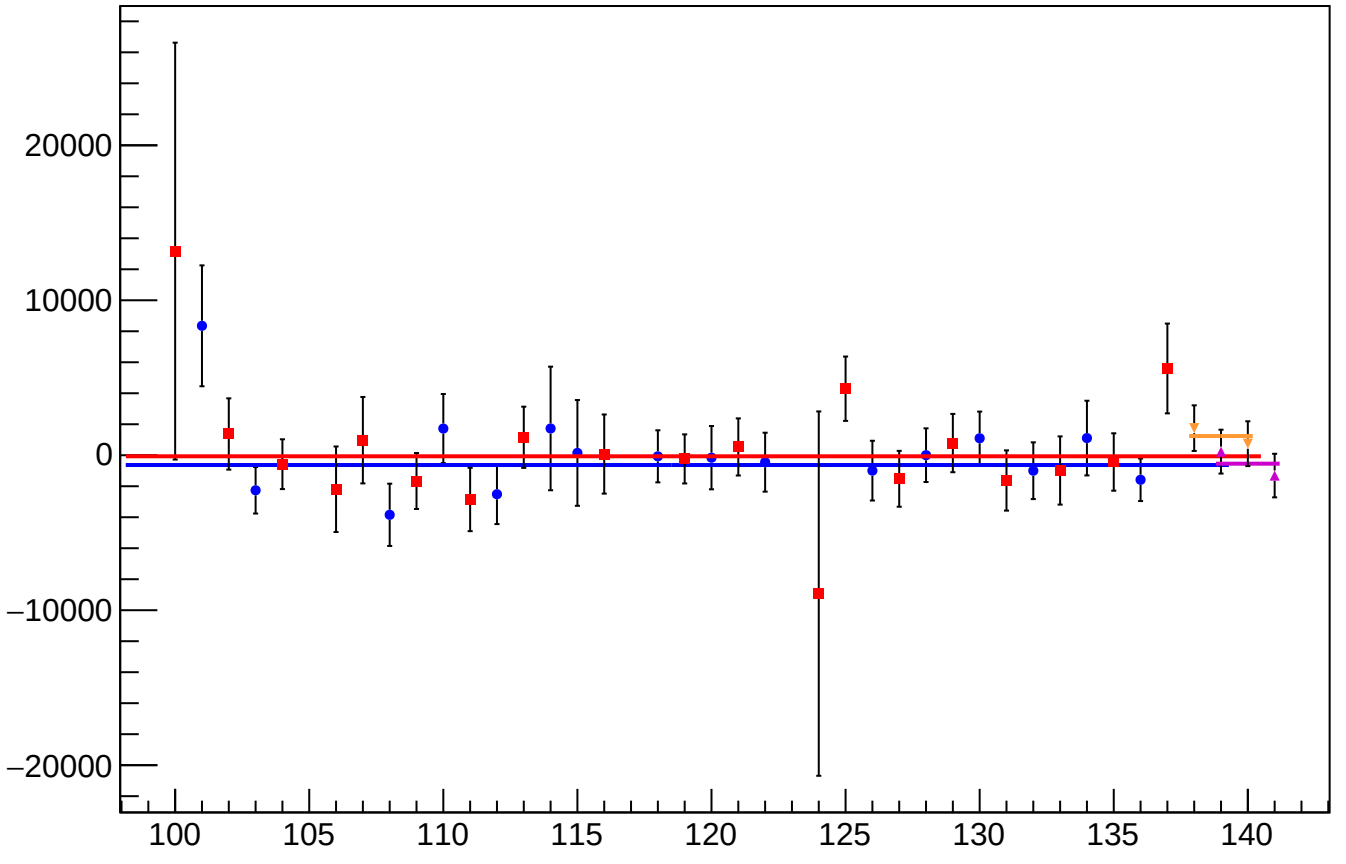
Left: 0.000+/-0.000 χ^2/NDF: 567991.0/3

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:4582731.3/17

Out: 0.000+/-0.000 χ^2/NDF:5867446.0/20

All: 0.000+/-0.000 χ^2/NDF: 10664000.0/38



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.687+/-1031.611 χ^2/NDF:0.2/1

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -544.636+/-997.379 χ^2/NDF:0.6/1

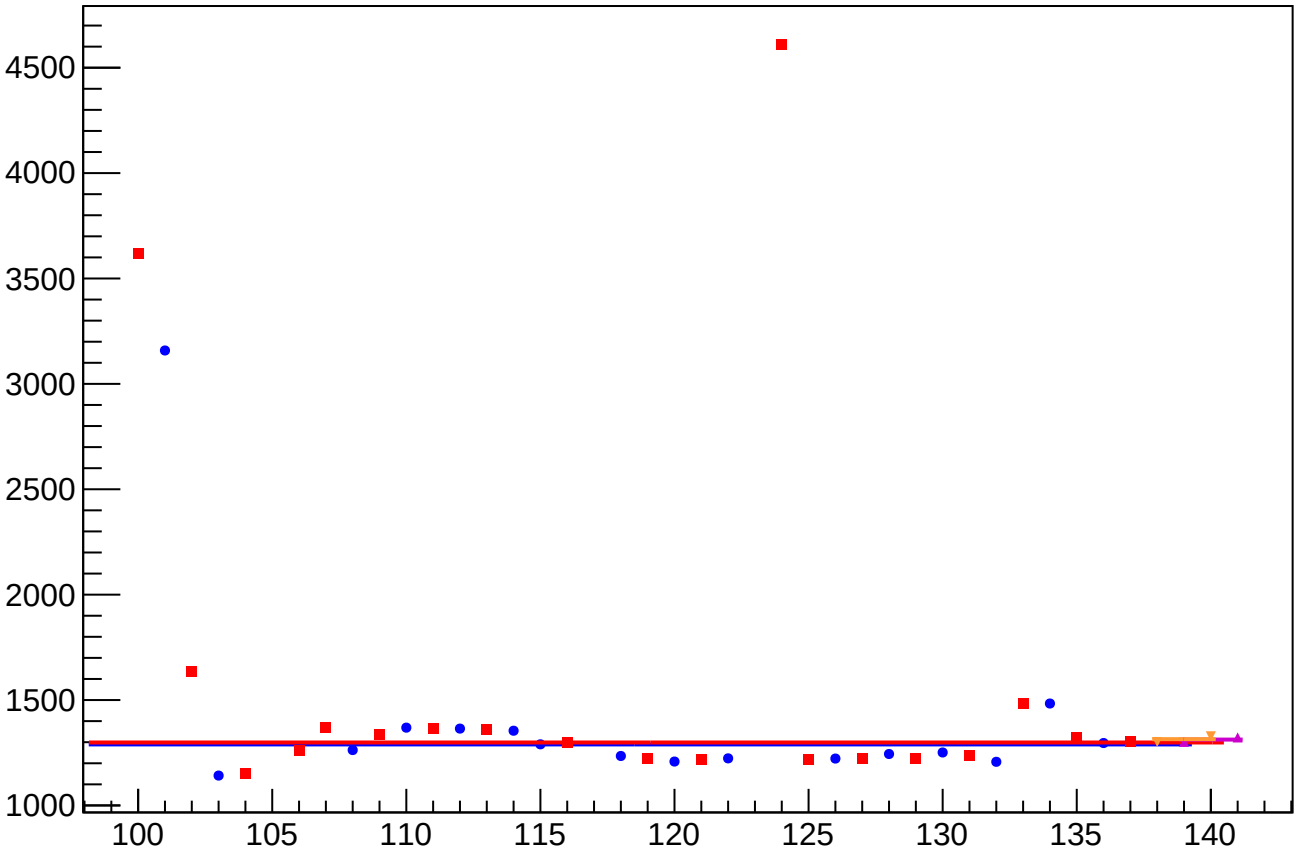
Left: 316.947+/-717.050 χ^2/NDF: 2.4/3

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -614.315+/-438.824 χ^2/NDF:14.5/17

Out: 171.035+/-440.956 χ^2/NDF:17.4/20

All: -223.543+/-311.046 χ^2/NDF: 33.5/38



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

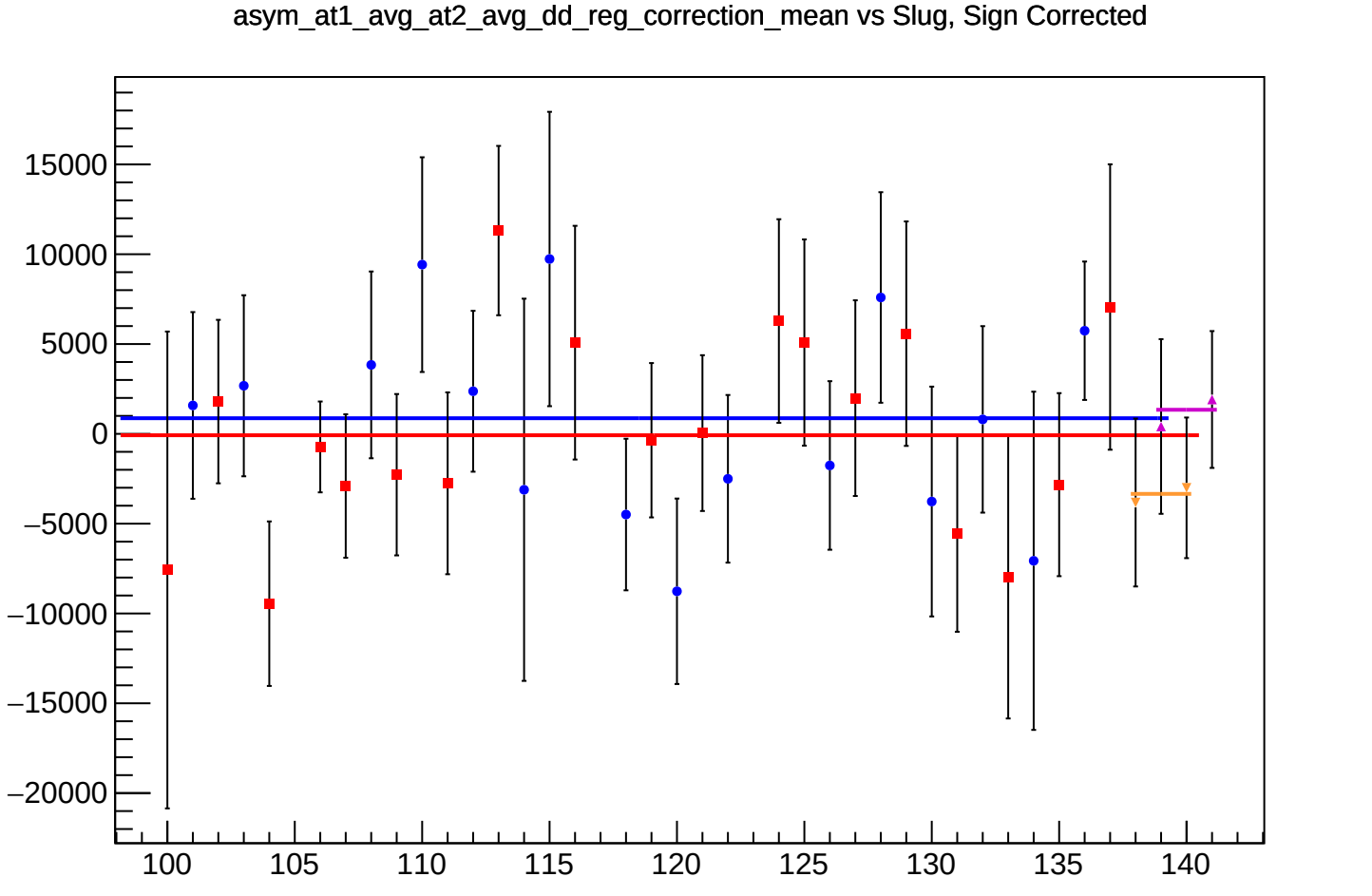
Left: 1313.350+/-0.507 χ^2/NDF: 574.1/3

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1293.903+/-0.310 χ^2/NDF:515743.3/17

Out: 1301.517+/-0.311 χ^2/NDF:320108.6/20

All: 1297.700+/-0.220 χ^2/NDF: 836152.2/38



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -3341.980+/-3000.918 χ^2/NDF:0.0/1

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1340.957+/-2998.457 χ^2/NDF:0.1/1

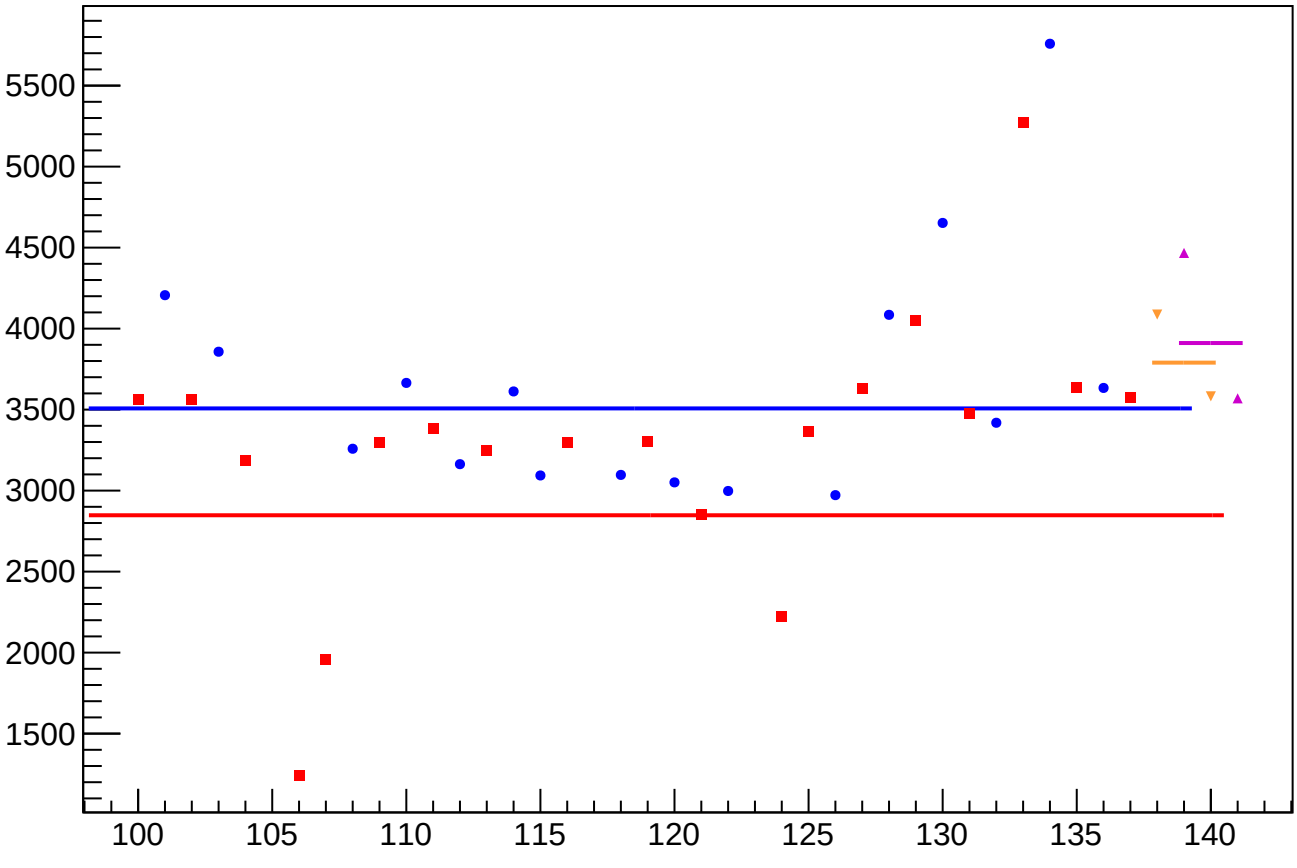
Left: -998.591+/-2121.099 χ^2/NDF: 1.3/3

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 947.213+/-1212.158 χ^2/NDF:14.1/17

Out: -470.895+/-1041.951 χ^2/NDF:19.4/20

All: 131.686+/-790.154 χ^2/NDF: 34.3/38



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3790.009+/-2.122 χ^2/NDF:13720.0/1

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3910.991+/-2.120 χ^2/NDF:42242.3/1

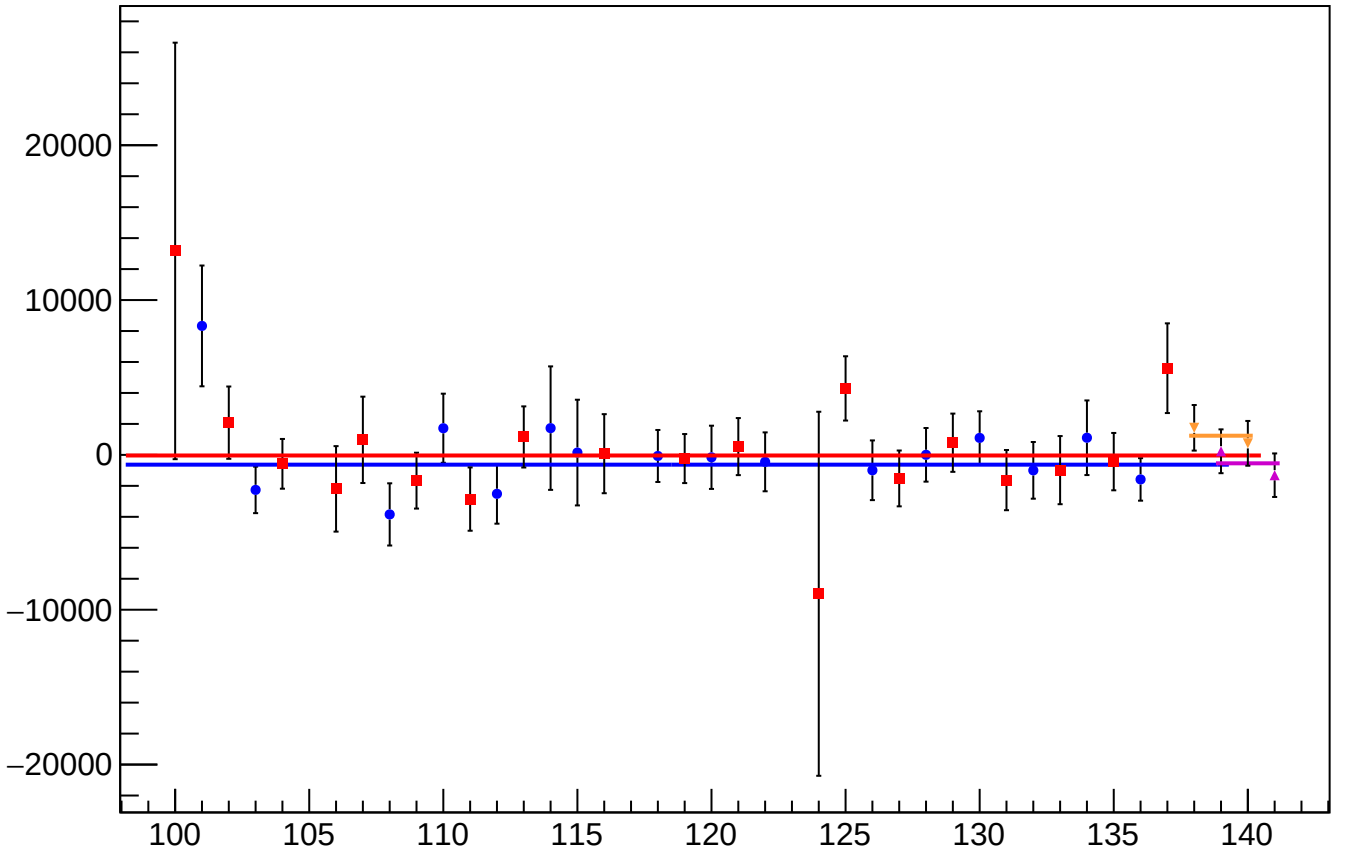
Left: 3850.550+/-1.500 χ^2/NDF: 57588.9/3

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3573.355+/-0.857 χ^2/NDF:426534.2/17

Out: 2961.417+/-0.737 χ^2/NDF:1686471.8/20

All: 3221.441+/-0.559 χ^2/NDF: 2406133.0/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

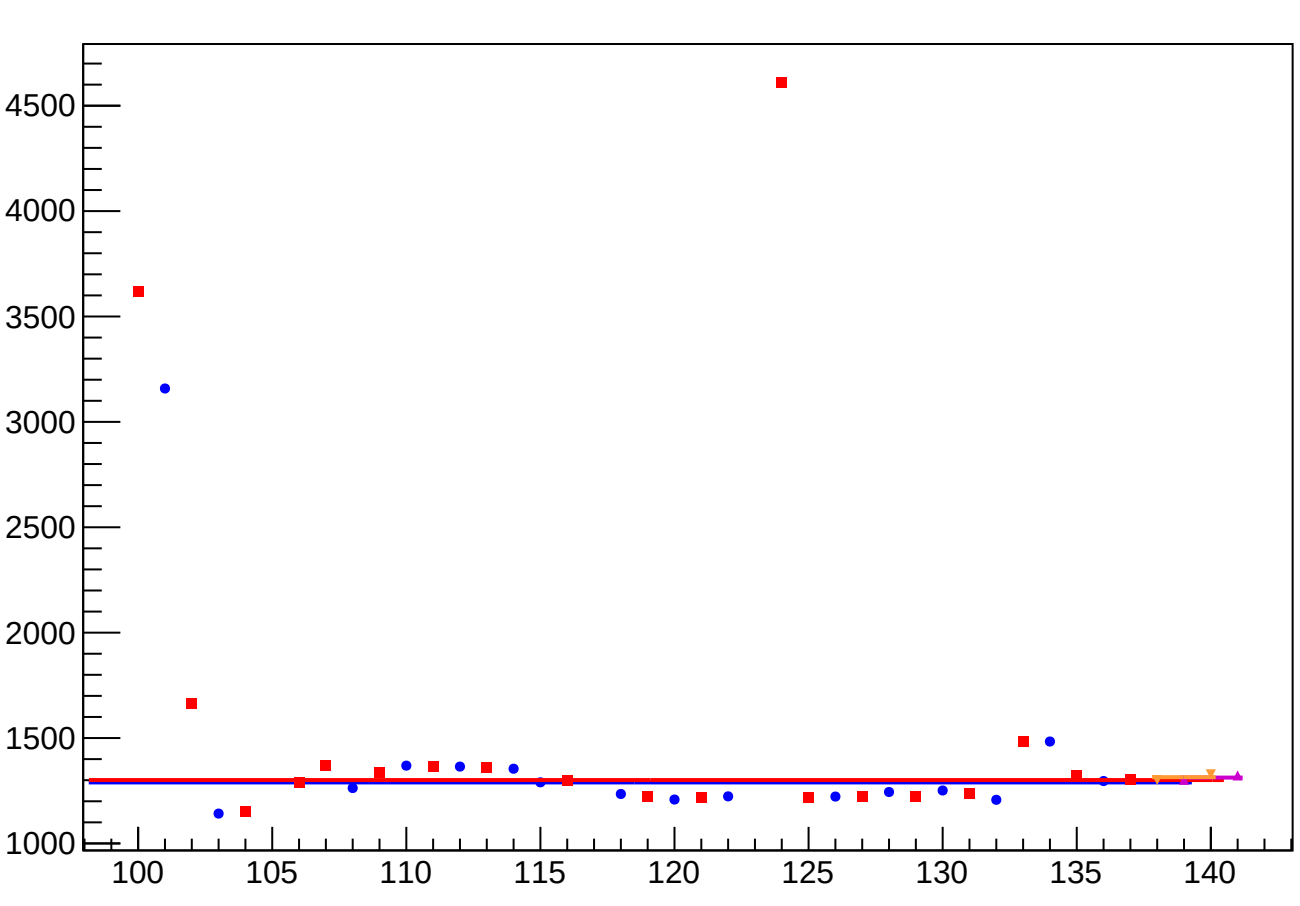
Left: 317.024+/-717.050 χ^2/NDF: 2.4/3

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -211.977+/-311.130 χ^2/NDF: 34.0/38



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

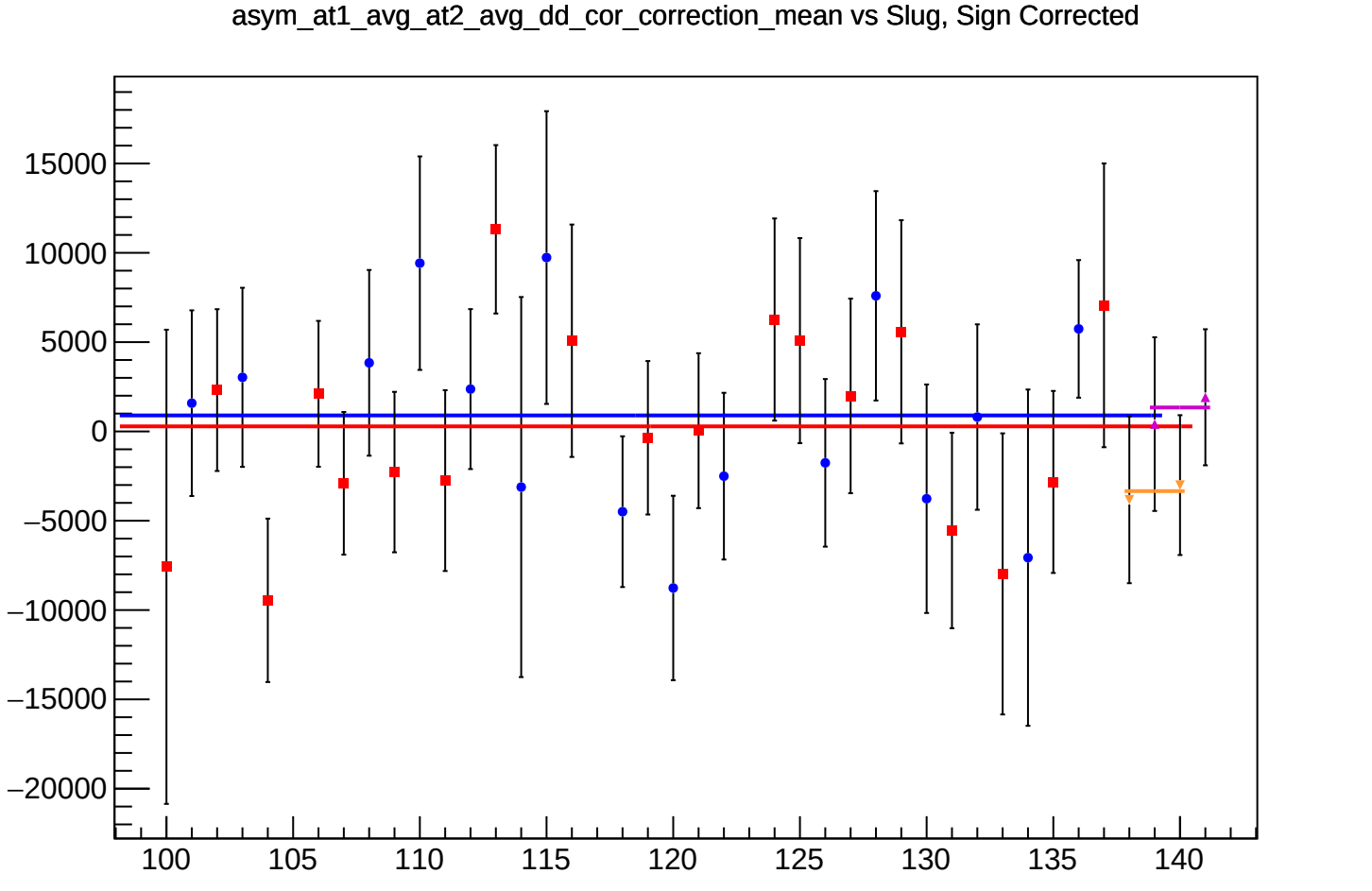
Left: 1313.350+/-0.507 χ^2/NDF: 574.1/3

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1298.524+/-0.220 χ^2/NDF: 842739.8/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

Left: -998.617+/-2121.095 χ^2/NDF: 1.3/3

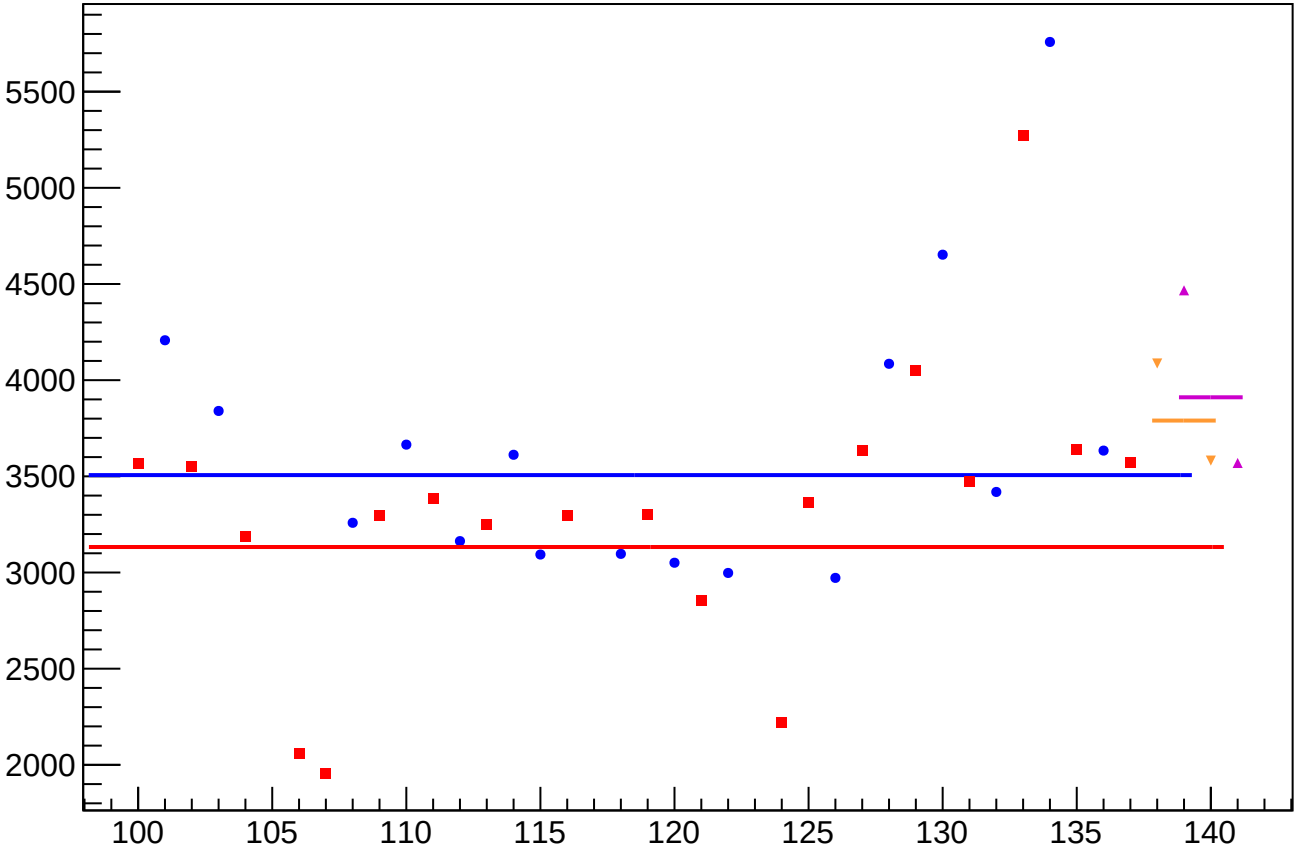
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 326.210+/-814.771 χ^2/NDF: 34.6/38

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

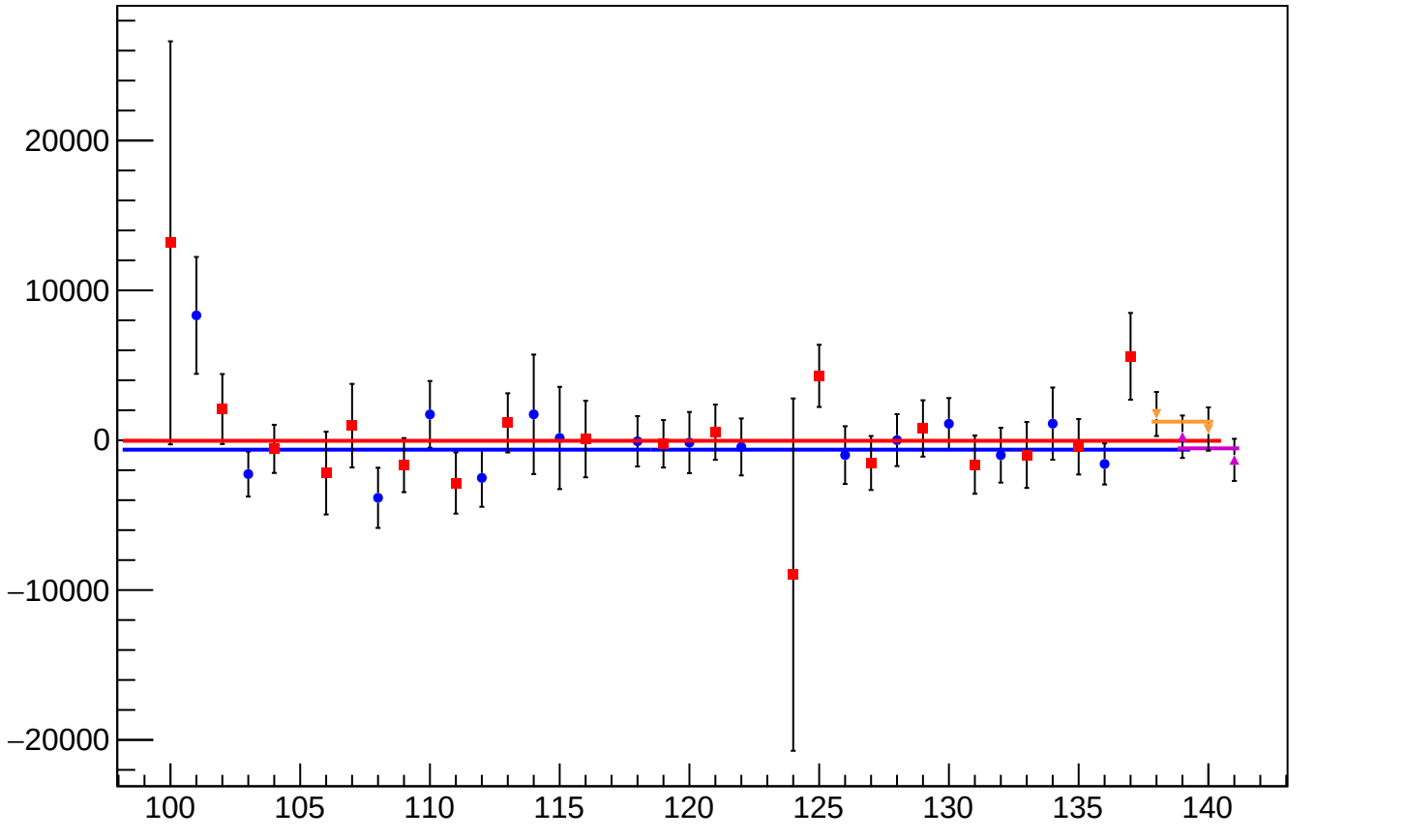
Left: 3850.543+/-1.500 χ^2/NDF: 57588.4/3

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3379.943+/-0.576 χ^2/NDF: 1264547.0/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

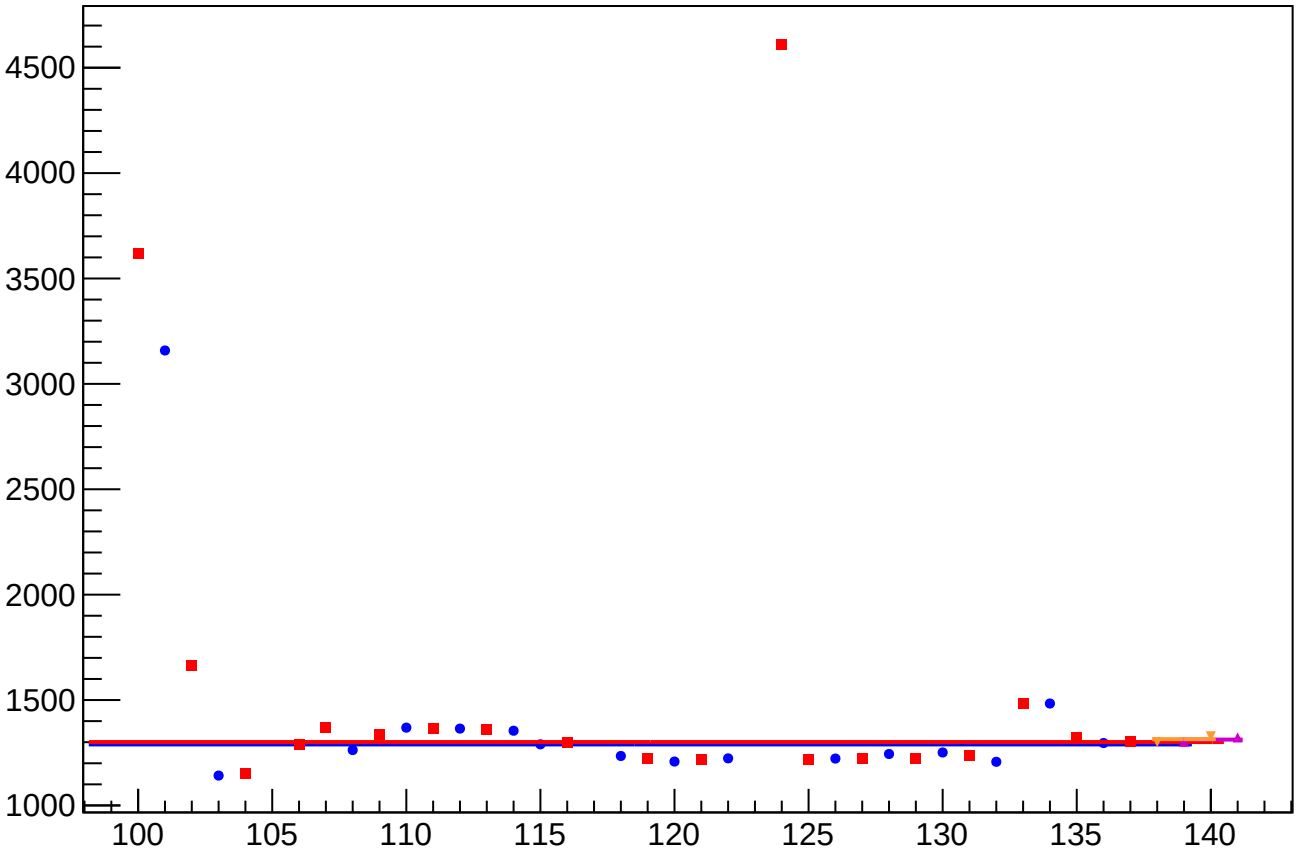
Left: 317.024+/-717.050 χ^2/NDF: 2.4/3

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -211.977+/-311.130 χ^2/NDF: 34.0/38



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

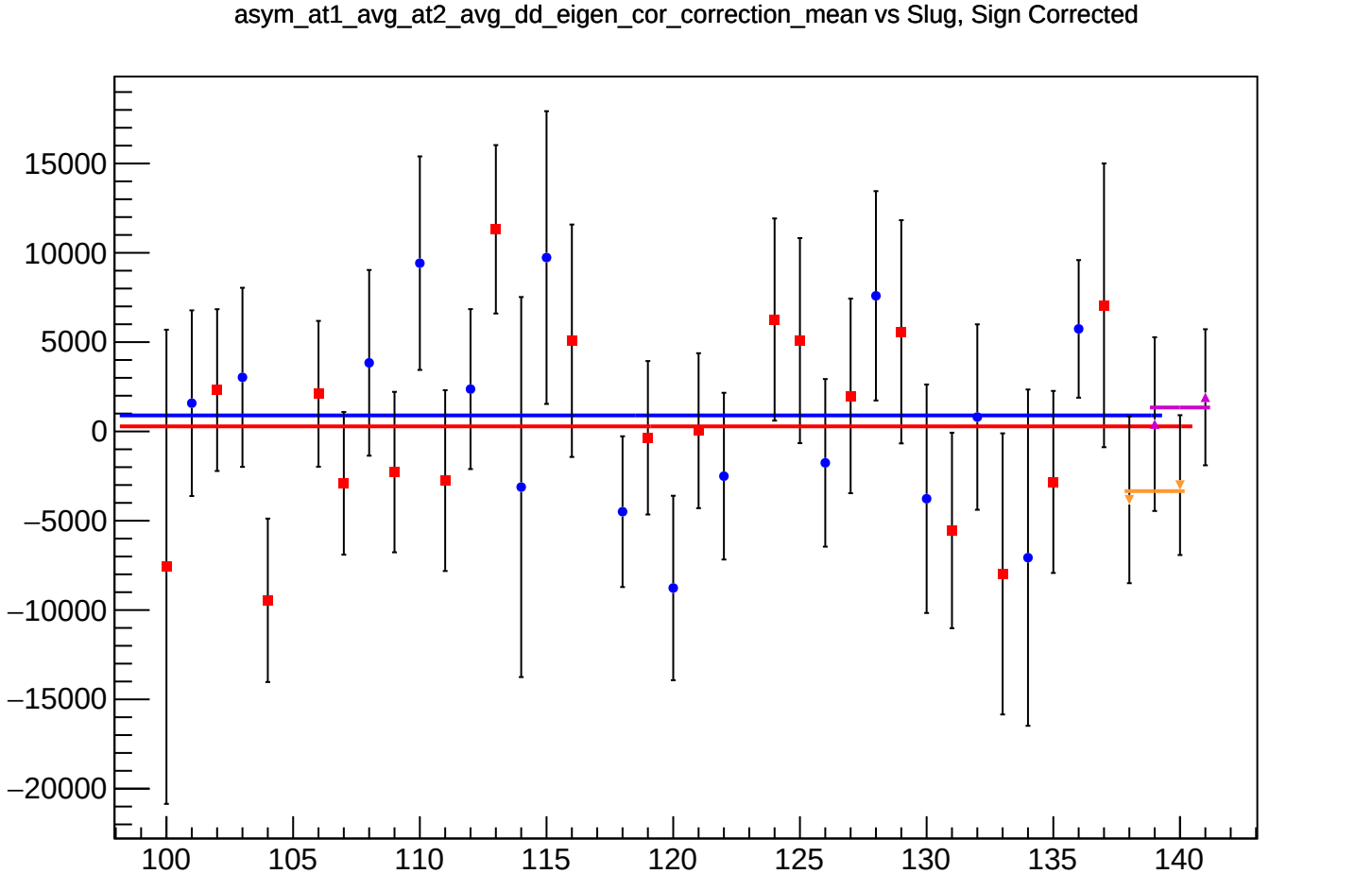
Left: 1313.350+/-0.507 χ^2/NDF: 574.1/3

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1298.524+/-0.220 χ^2/NDF: 842739.8/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

Left: -998.617+/-2121.095 χ^2/NDF: 1.3/3

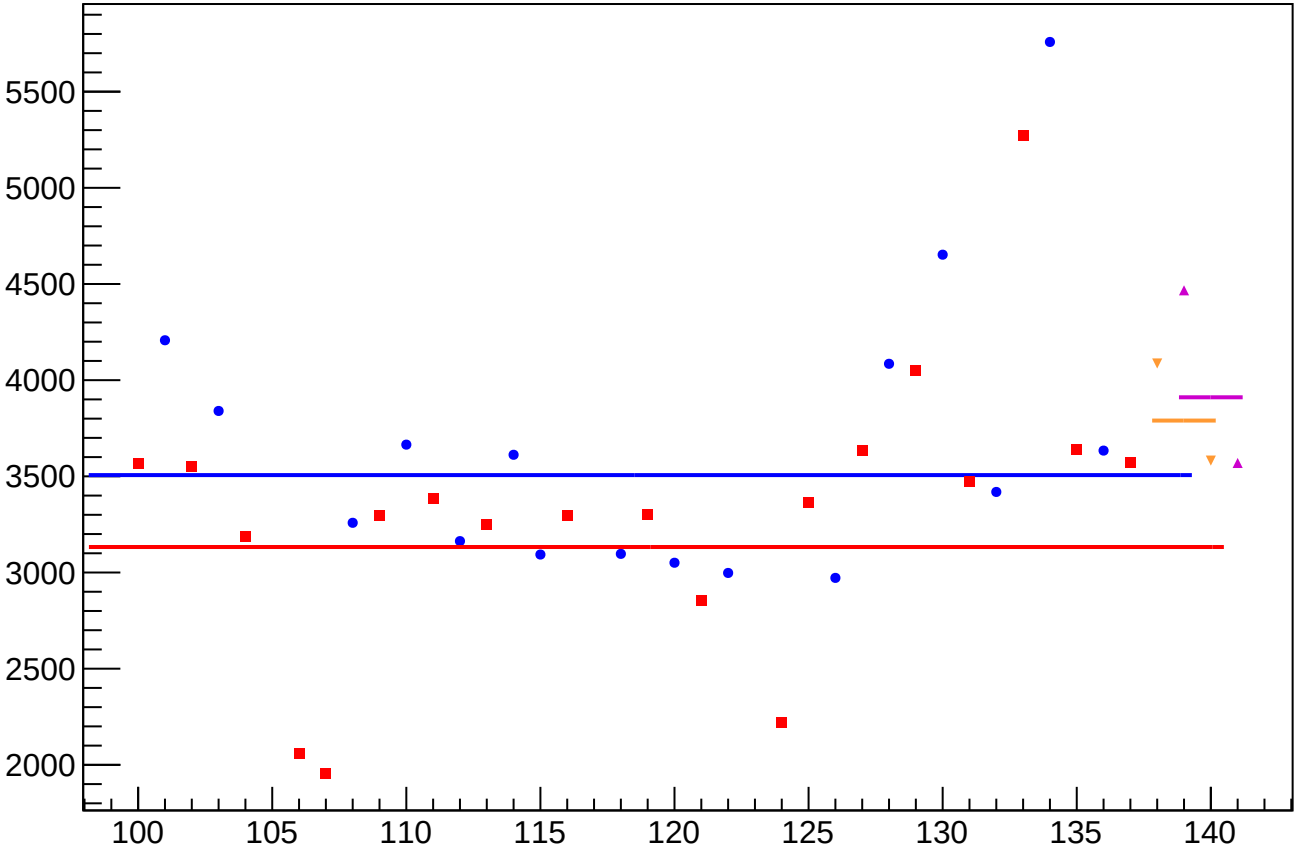
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 326.210+/-814.771 χ^2/NDF: 34.6/38

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

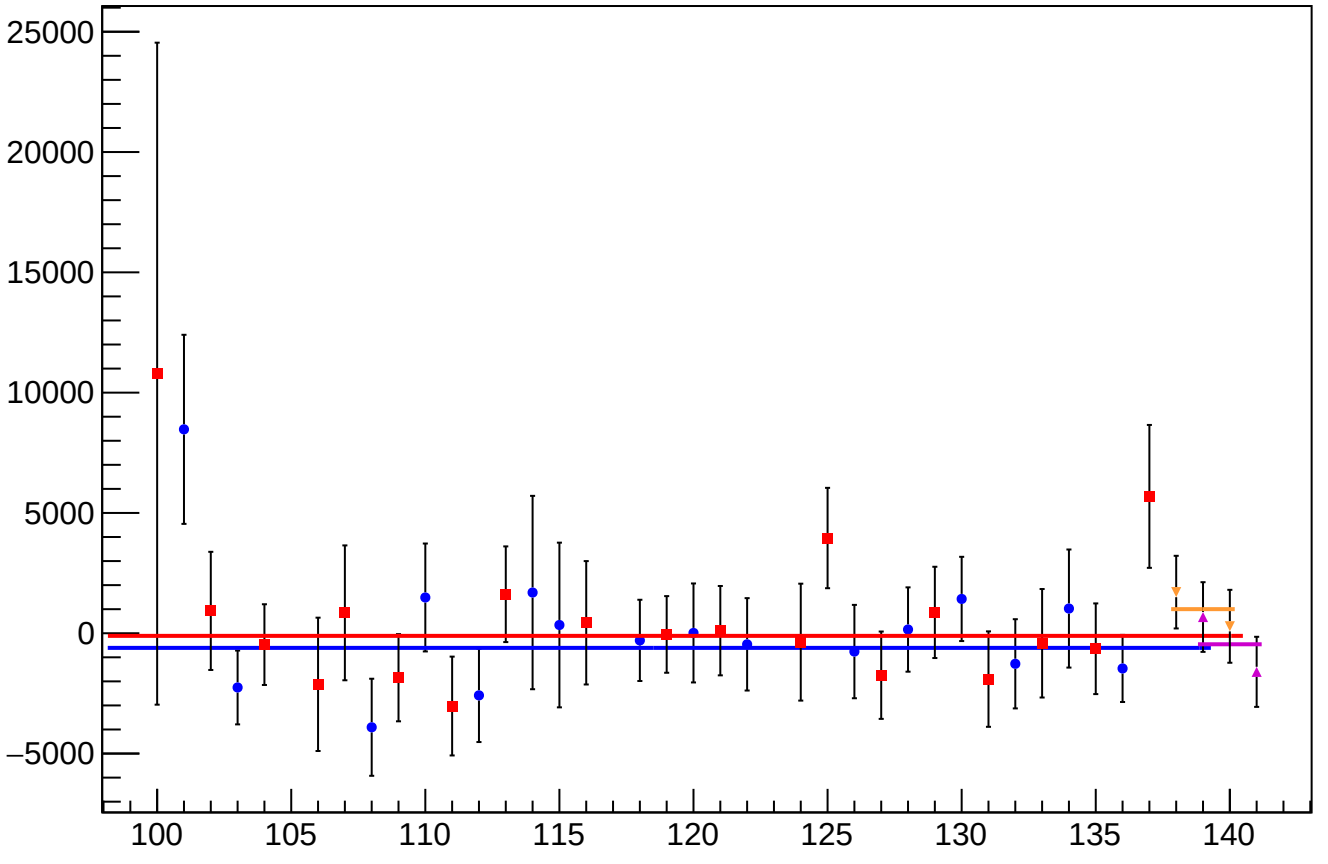
Left: 3850.543+/-1.500 χ^2/NDF: 57588.4/3

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3379.943+/-0.576 χ^2/NDF: 1264547.0/38



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.801+/-1069.457 χ^2/NDF:0.4/1

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -458.128+/-1026.913 χ^2/NDF:1.2/1

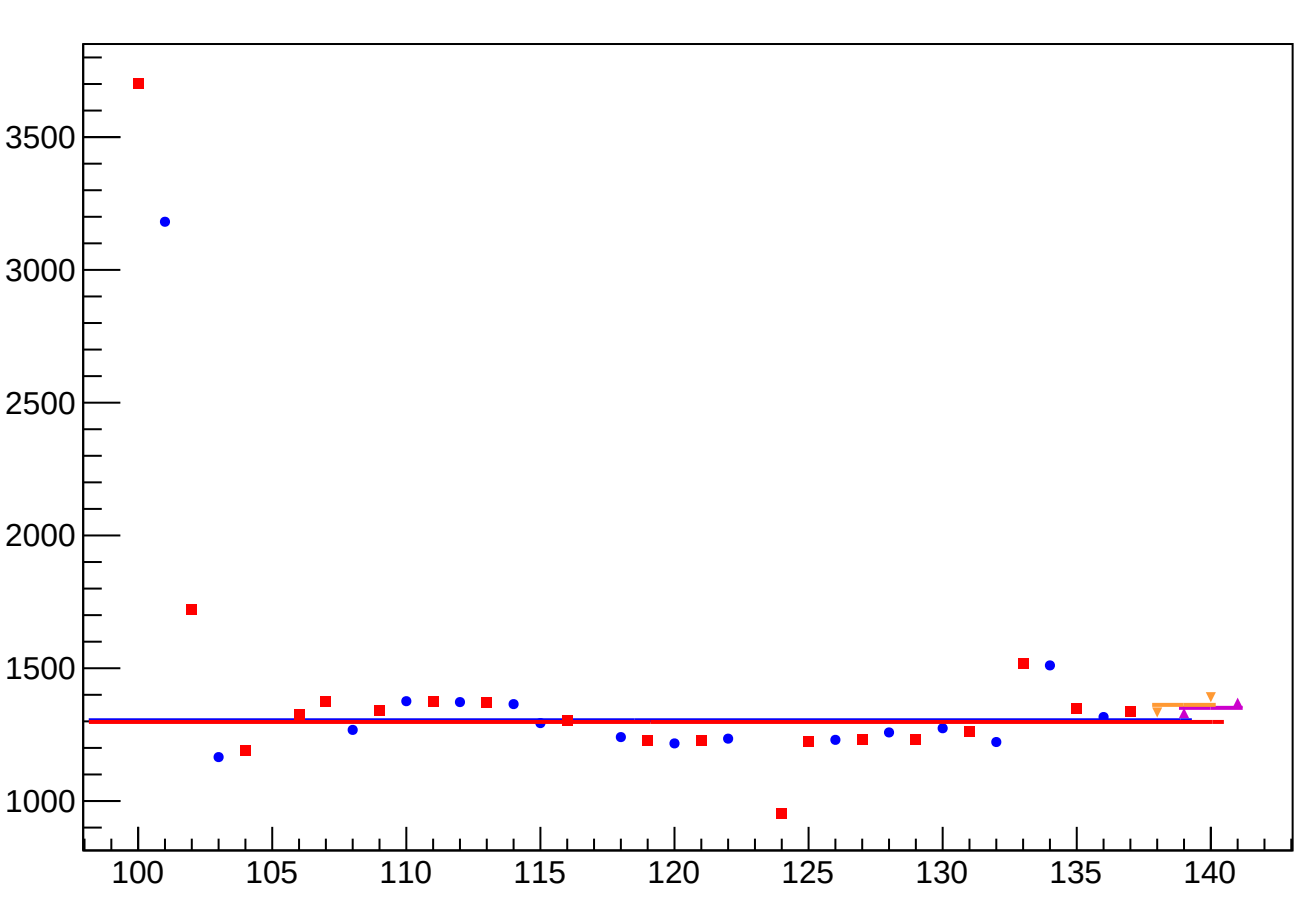
Left: 242.221+/-740.721 χ^2/NDF: 2.6/3

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -579.681+/-445.302 χ^2/NDF:15.4/17

Out: 81.160+/-442.119 χ^2/NDF:16.2/20

All: -246.890+/-313.745 χ^2/NDF: 32.7/38



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1350.869+/-0.726 χ^2/NDF:712.8/1

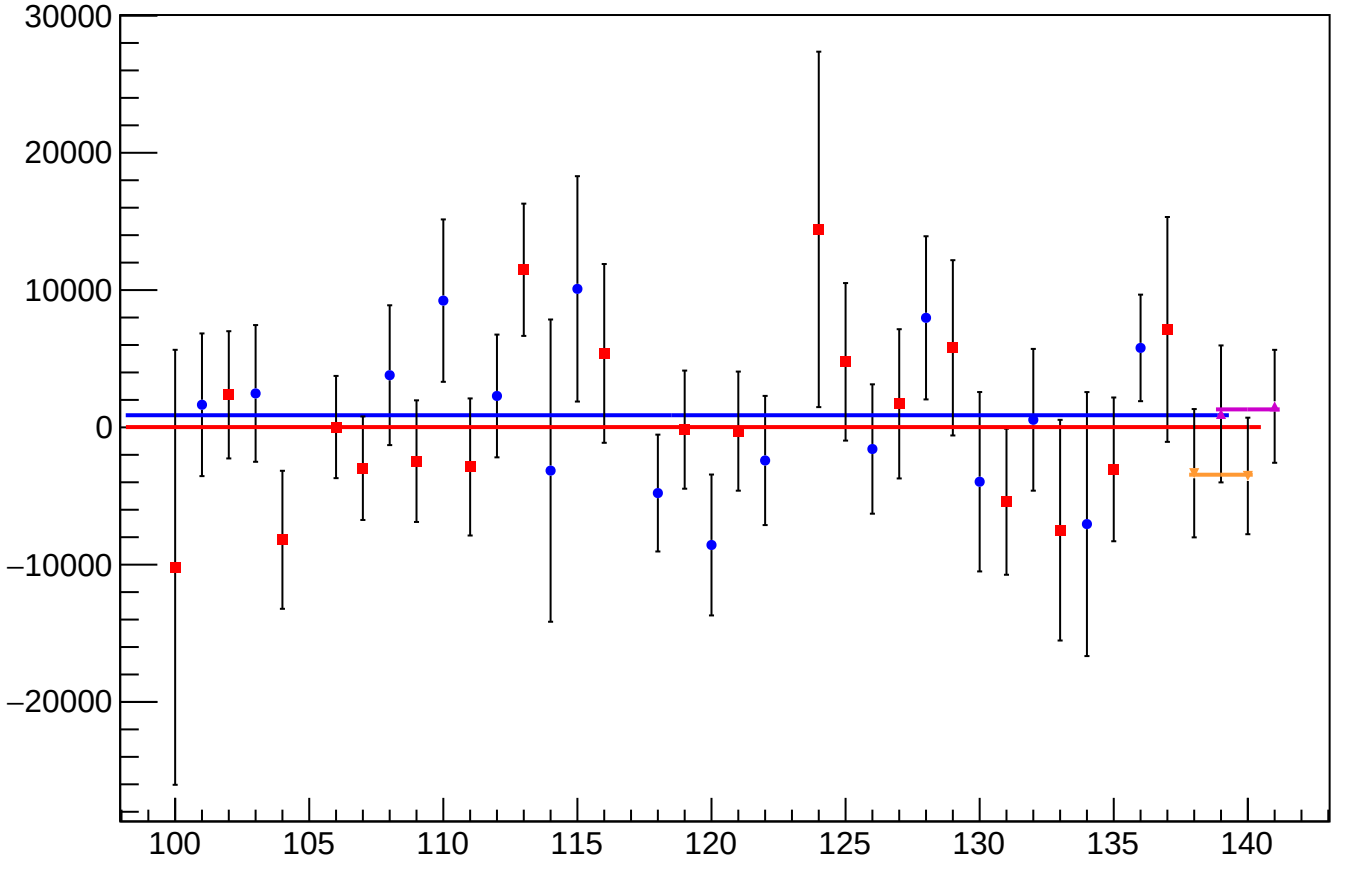
Left: 1356.245+/-0.524 χ^2/NDF: 2267.9/3

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1312.896+/-0.315 χ^2/NDF:514670.3/17

Out: 1308.768+/-0.312 χ^2/NDF:220529.6/20

All: 1310.816+/-0.222 χ^2/NDF: 735286.5/38



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3448.190+/-3141.914 χ^2/NDF:0.0/1

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1309.261+/-3173.459 χ^2/NDF:0.0/1

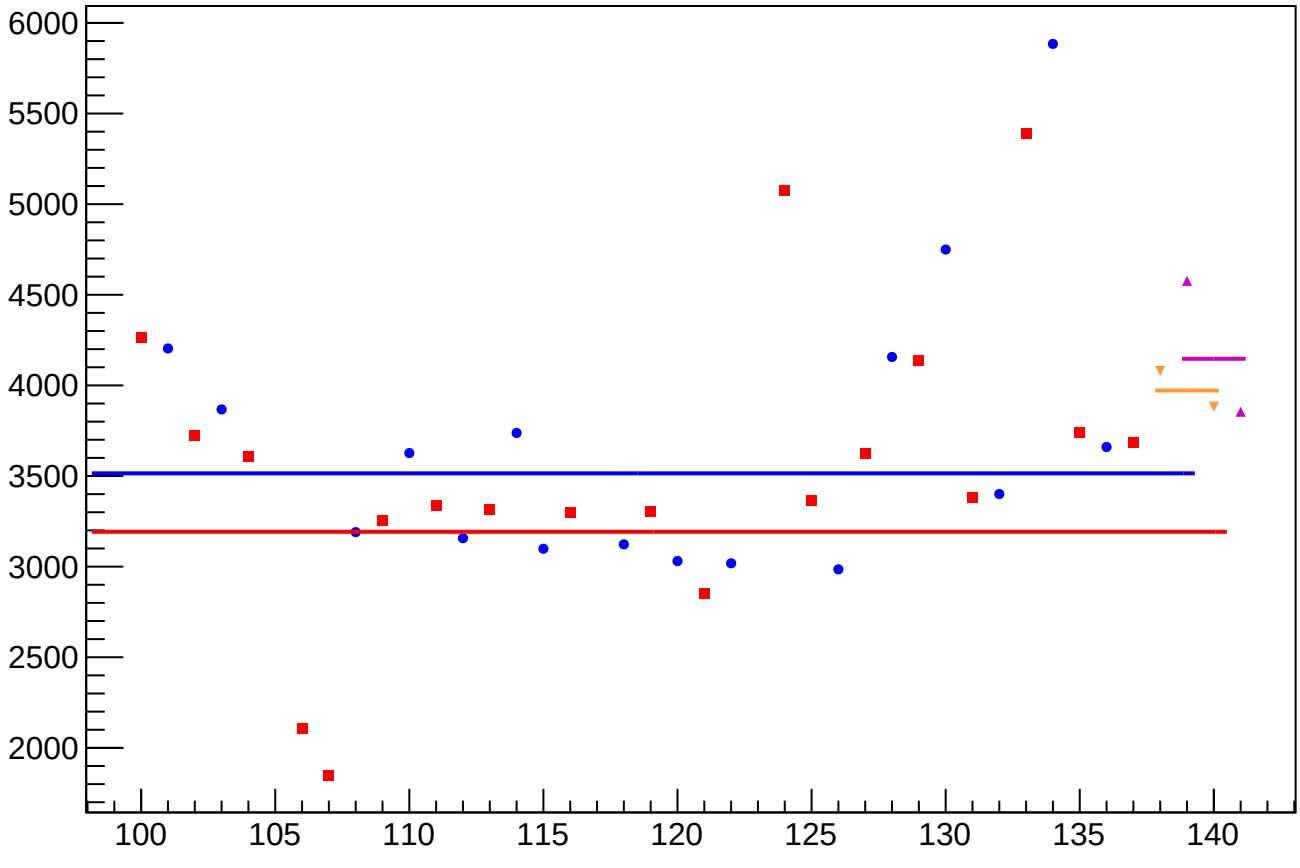
Left: -1093.227+/-2232.738 χ^2/NDF: 1.1/3

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 947.373+/-1224.588 χ^2/NDF:14.1/17

Out: -420.925+/-1121.031 χ^2/NDF:17.9/20

All: 202.933+/-826.880 χ^2/NDF: 32.7/38



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3971.800+/-2.222 χ^2/NDF:1950.7/1

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4146.801+/-2.244 χ^2/NDF:24941.6/1

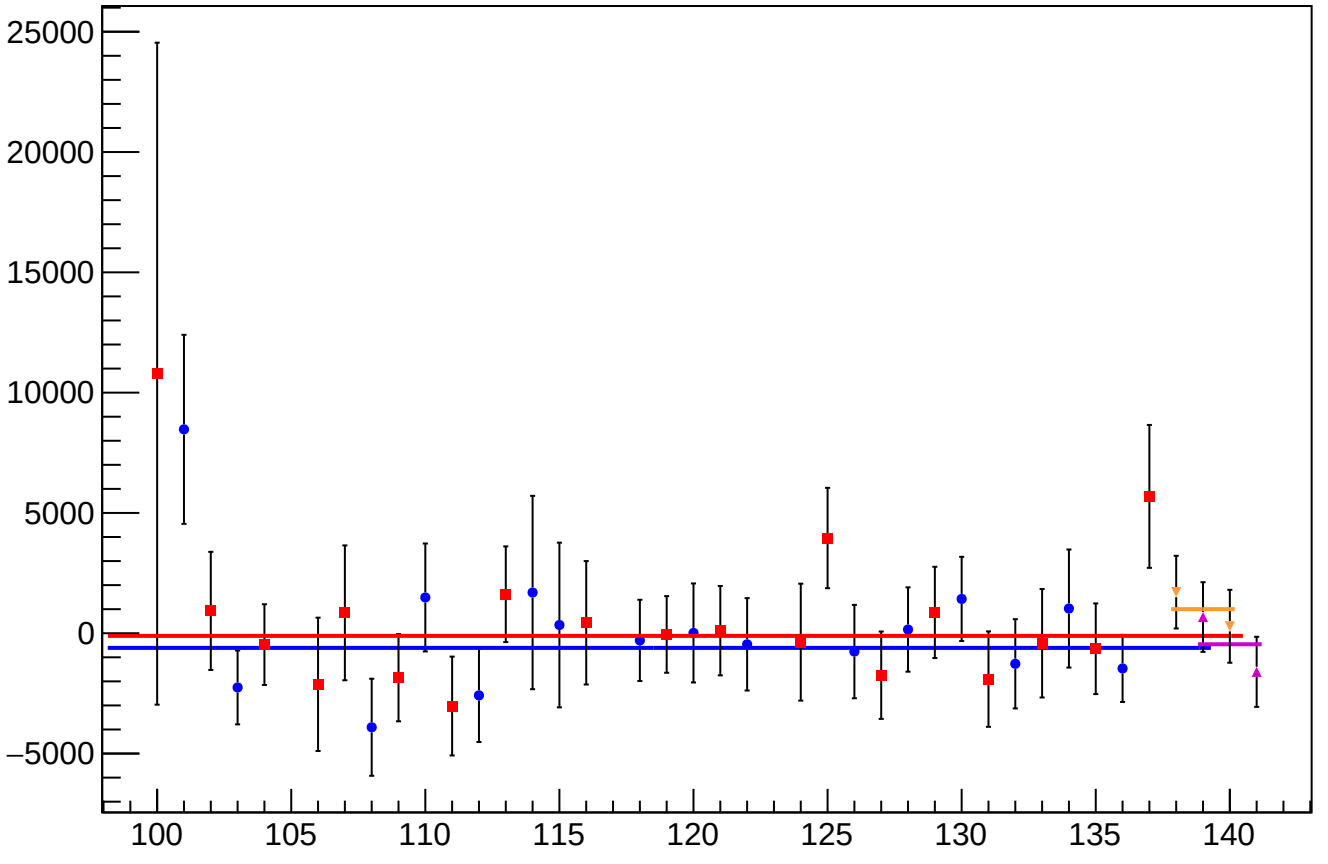
Left: 4058.426+/-1.579 χ^2/NDF: 29963.7/3

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3608.863+/-0.866 χ^2/NDF:467543.2/17

Out: 3291.450+/-0.793 χ^2/NDF:881905.4/20

All: 3436.170+/-0.585 χ^2/NDF: 1422553.7/38



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.798+/-1069.458 χ^2/NDF:0.4/1

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -458.120+/-1026.914 χ^2/NDF:1.2/1

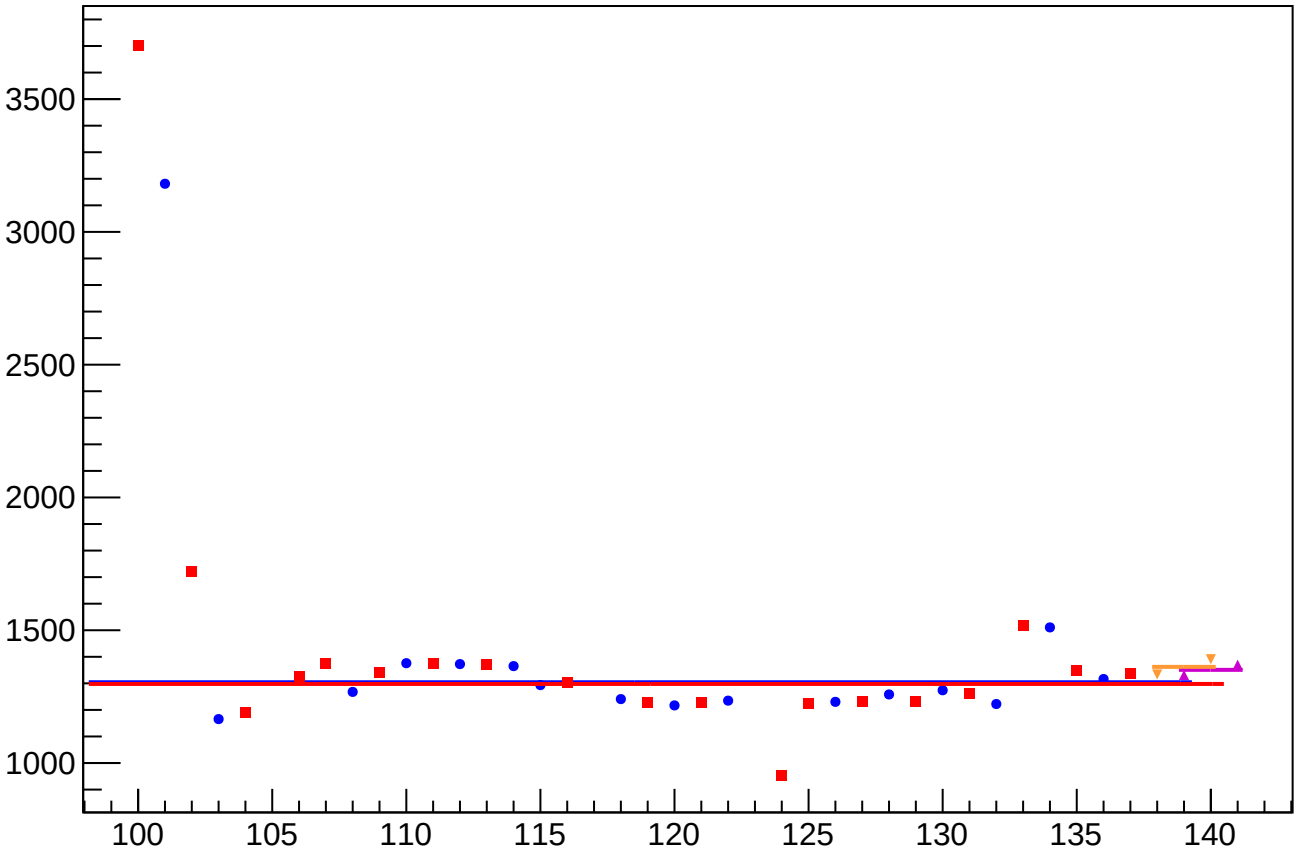
Left: 242.224+/-740.722 χ^2/NDF: 2.6/3

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -579.682+/-445.302 χ^2/NDF:15.4/17

Out: 81.155+/-442.119 χ^2/NDF:16.2/20

All: -246.893+/-313.745 χ^2/NDF: 32.7/38



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1350.870+/-0.726 χ^2/NDF:712.8/1

Left: 1356.246+/-0.524 χ^2/NDF: 2267.9/3

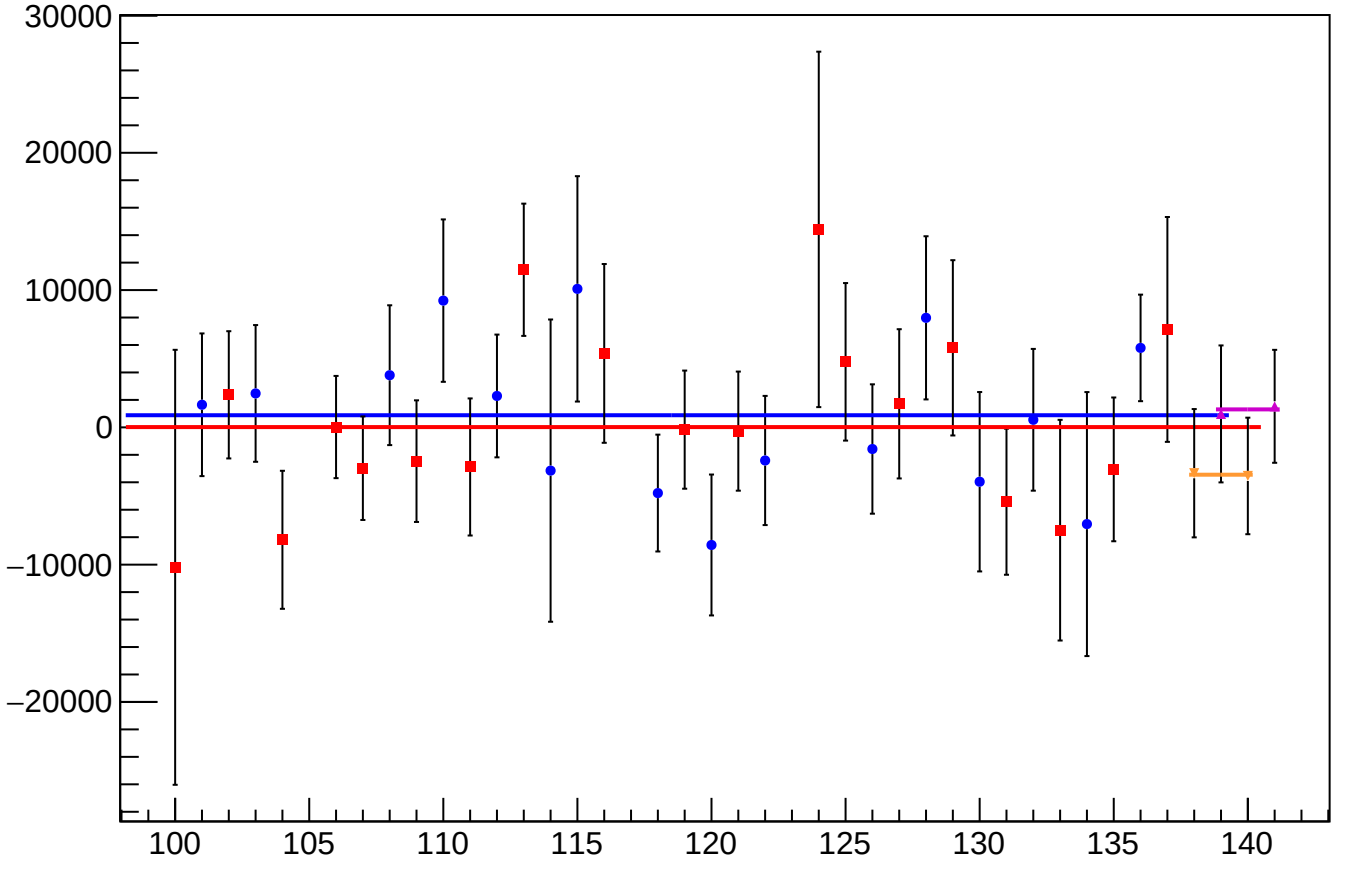
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1312.896+/-0.315 χ^2/NDF:514670.6/17

Out: 1308.768+/-0.312 χ^2/NDF:220529.8/20

All: 1310.816+/-0.222 χ^2/NDF: 735286.9/38

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3448.191+/-3141.919 χ^2/NDF:0.0/1

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1309.271+/-3173.463 χ^2/NDF:0.0/1

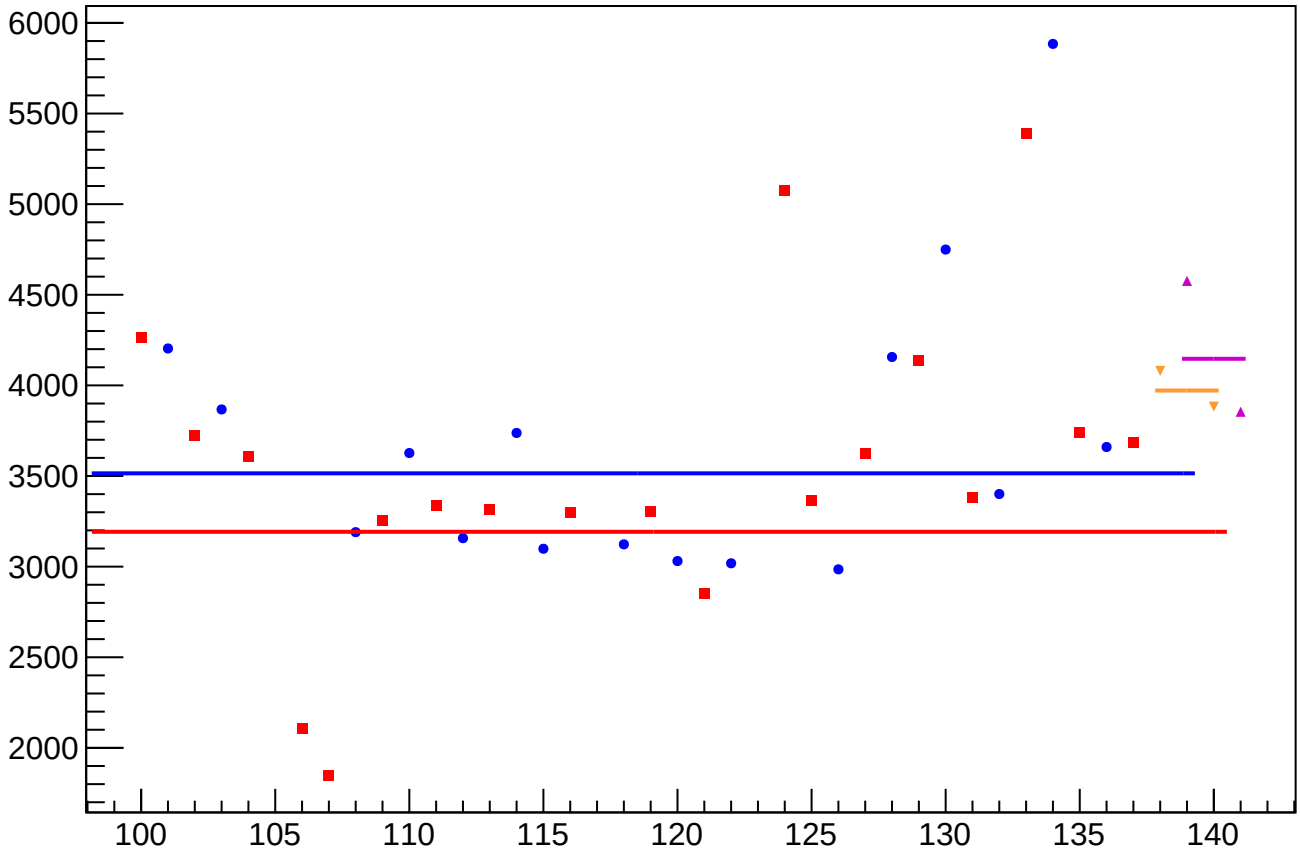
Left: -1093.222+/-2232.741 χ^2/NDF: 1.1/3

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 947.365+/-1224.586 χ^2/NDF:14.1/17

Out: -420.926+/-1121.029 χ^2/NDF:17.9/20

All: 202.929+/-826.878 χ^2/NDF: 32.7/38



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3971.806+/-2.222 χ^2/NDF:1950.9/1

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4146.807+/-2.244 χ^2/NDF:24942.3/1

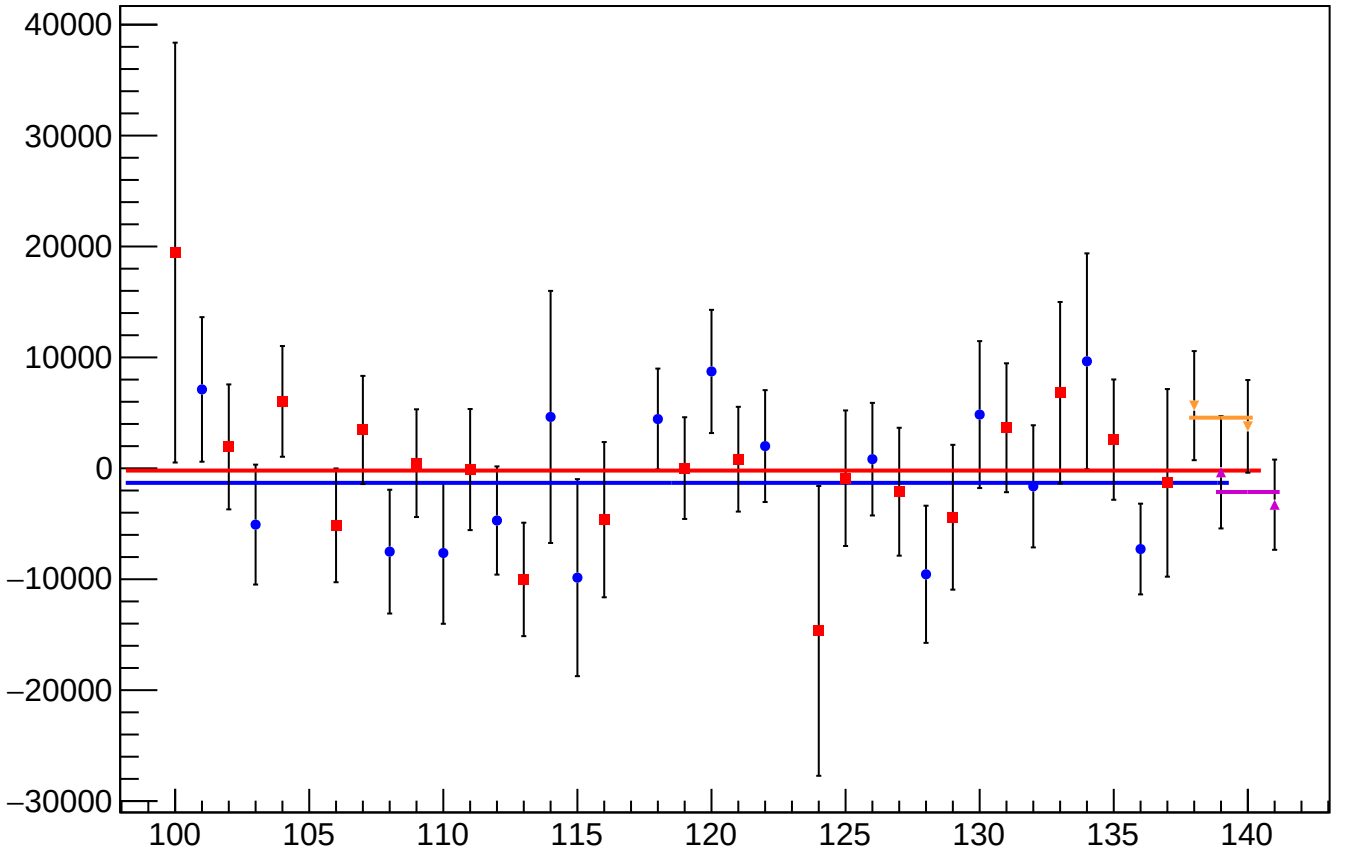
Left: 4058.432+/-1.579 χ^2/NDF: 29964.5/3

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3608.855+/-0.866 χ^2/NDF:467551.1/17

Out: 3291.444+/-0.793 χ^2/NDF:881911.5/20

All: 3436.163+/-0.585 χ^2/NDF: 1422567.6/38



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 4566.386+/-3184.192 χ^2/NDF:0.1/1

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -2133.541+/-3171.289 χ^2/NDF:0.2/1

Left: 1202.820+/-2246.988 χ^2/NDF: 2.5/3

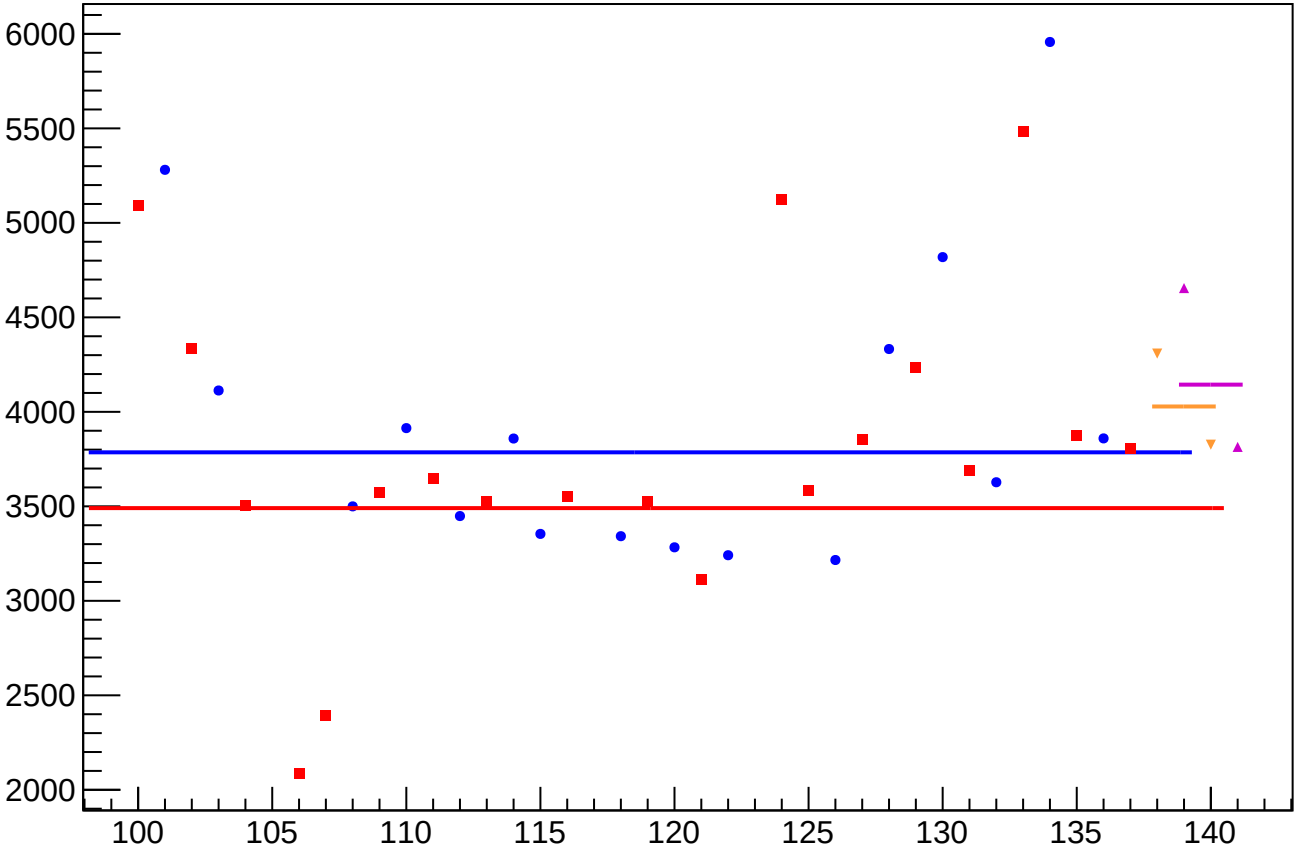
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -1448.878+/-1304.828 χ^2/NDF:17.8/17

Out: 512.180+/-1232.005 χ^2/NDF:13.6/20

All: -412.100+/-895.798 χ^2/NDF: 32.7/38

asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF:11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4143.971+/-2.242 χ^2/NDF:33477.9/1

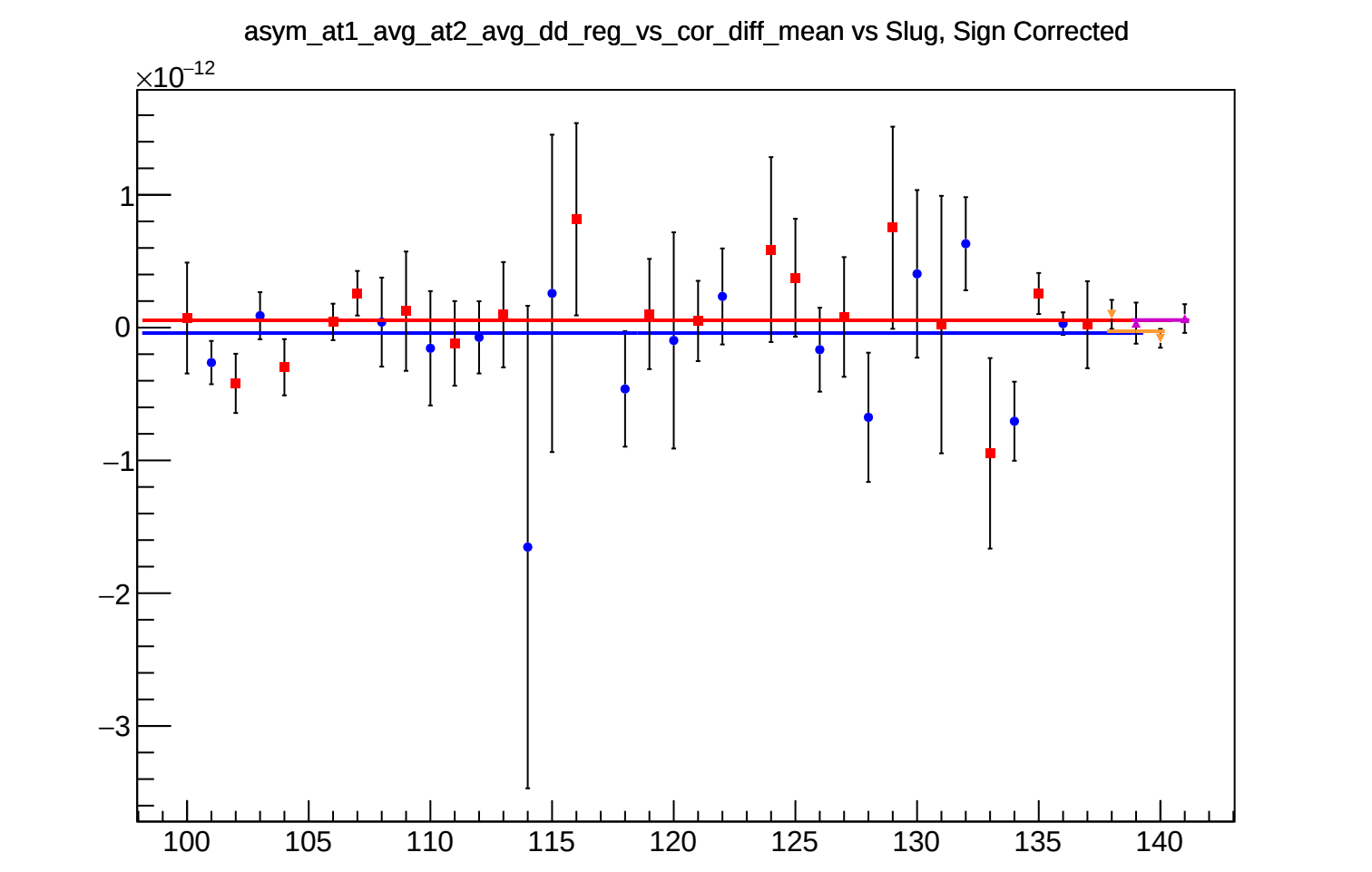
Left: 4086.403+/-1.589 χ^2/NDF: 45966.0/3

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3846.413+/-0.923 χ^2/NDF:437666.8/17

Out: 3569.255+/-0.861 χ^2/NDF:646579.8/20

All: 3698.271+/-0.629 χ^2/NDF: 1132478.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

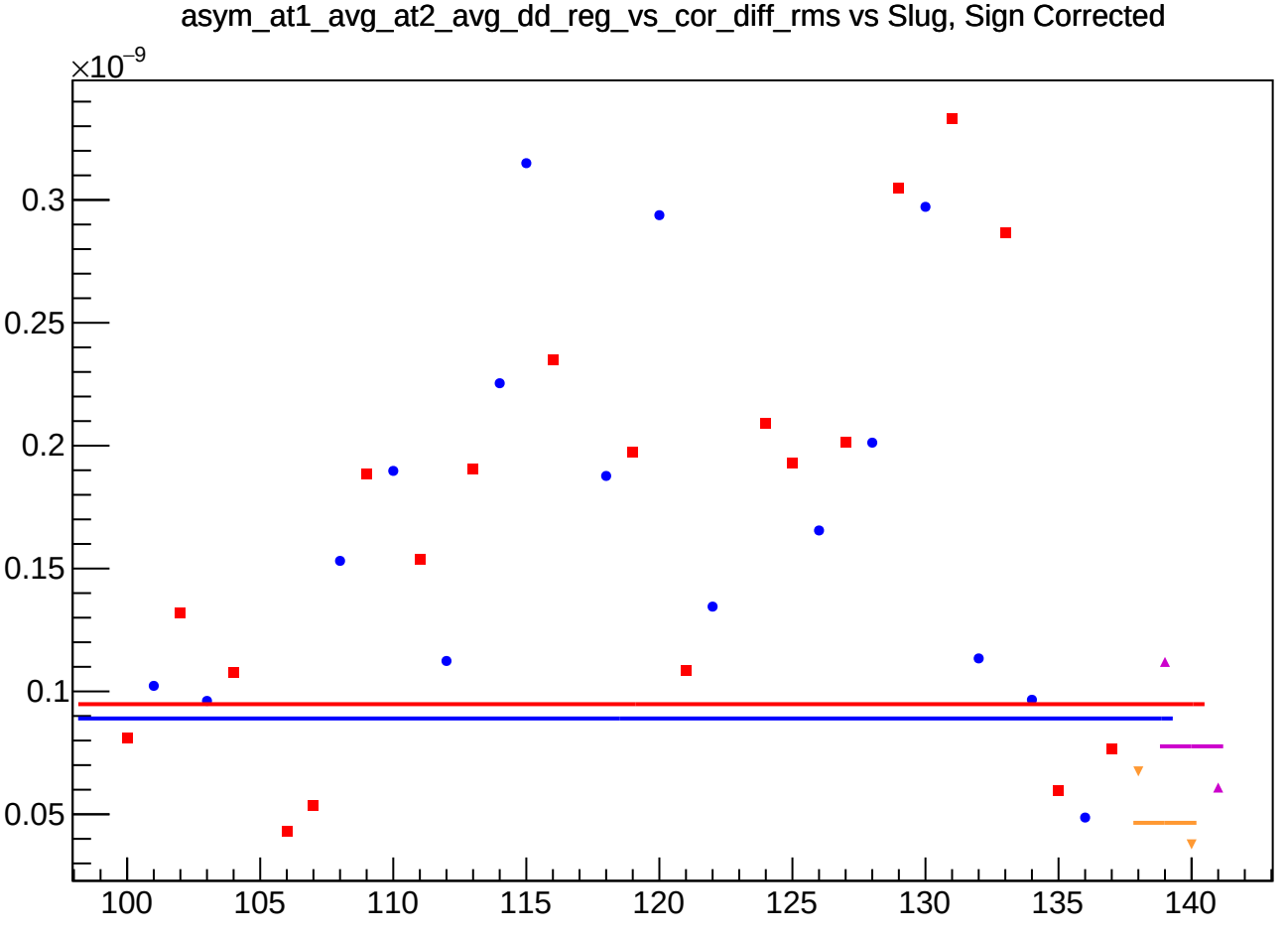
Left: -0.000+/-0.000 χ^2/NDF: 2.6/3

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:17.5/17

Out: 0.000+/-0.000 χ^2/NDF:18.7/20

All: 0.000+/-0.000 χ^2/NDF: 36.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:103730.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:146700.5/1

Left: 0.000+/-0.000 χ^2/NDF: 420555.6/3

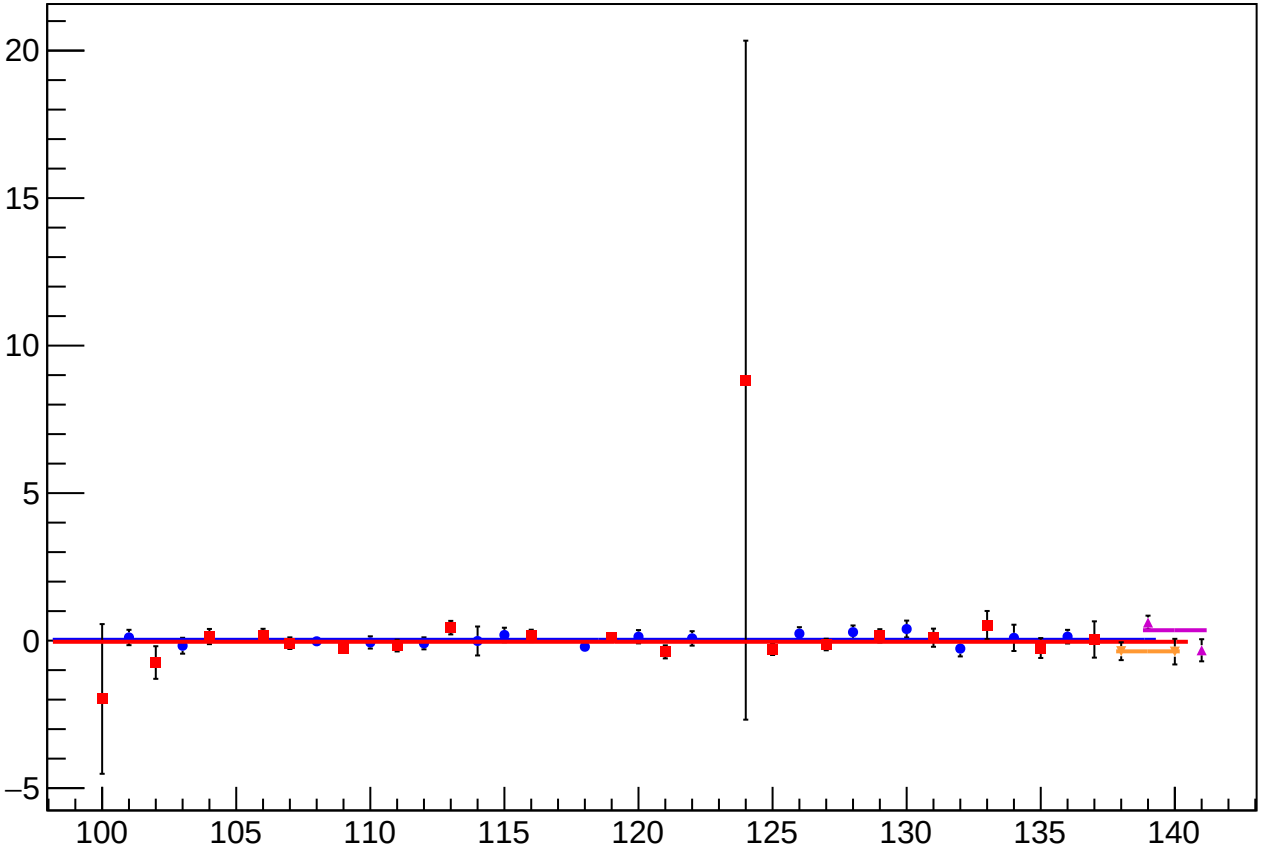
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1630065.3/17

Out: 0.000+/-0.000 χ^2/NDF:2449683.3/20

All: 0.000+/-0.000 χ^2/NDF: 4207660.4/38

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

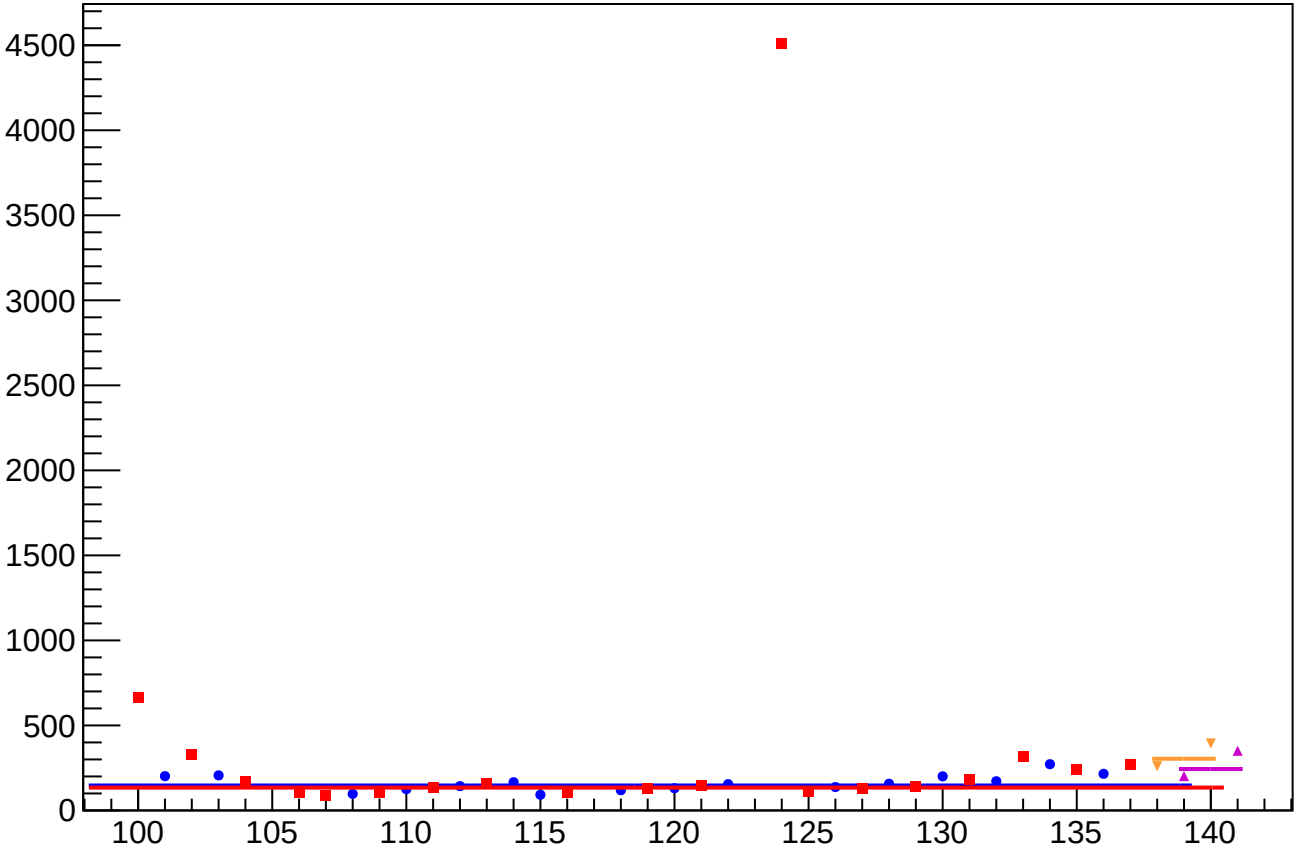
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

Left: 267.275+/-0.109 χ^2/NDF: 426951.7/3

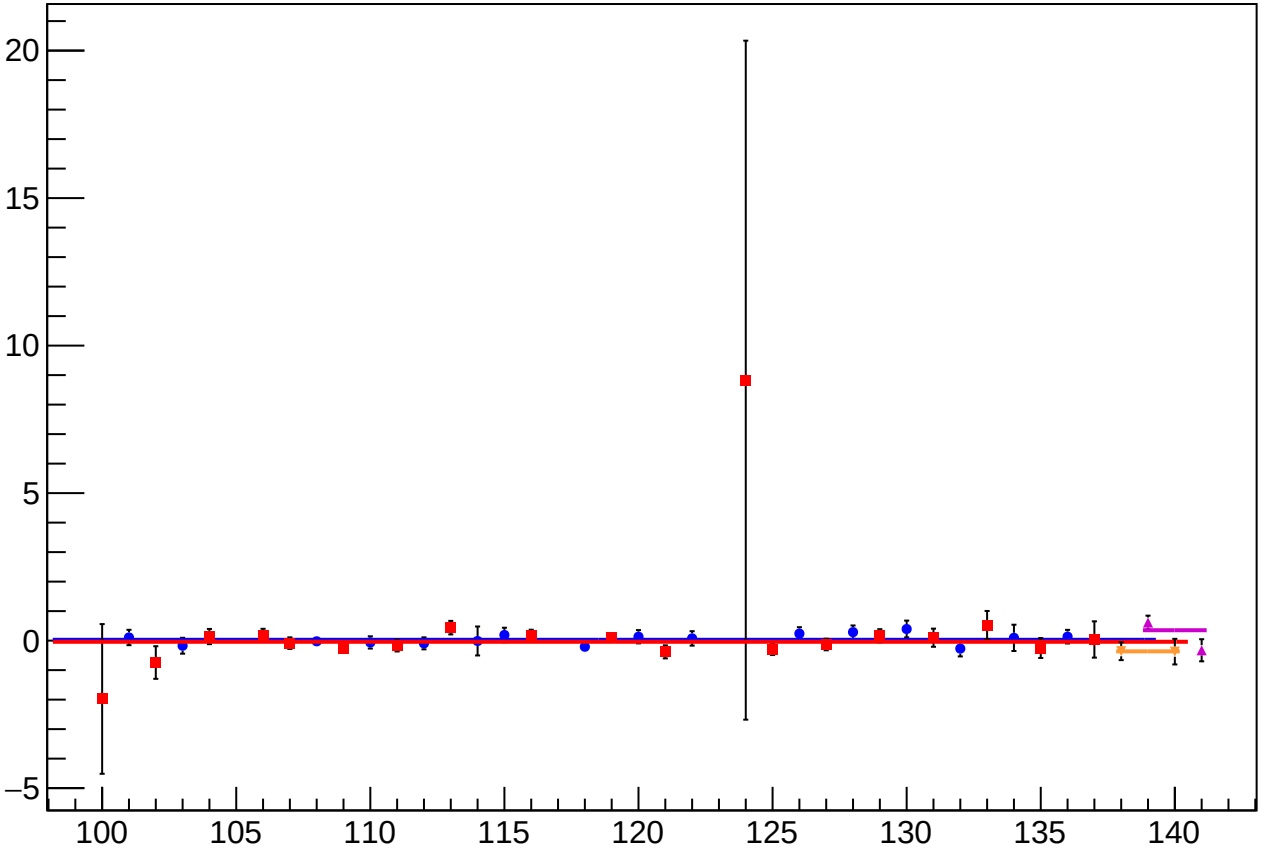
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344358.7/38

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

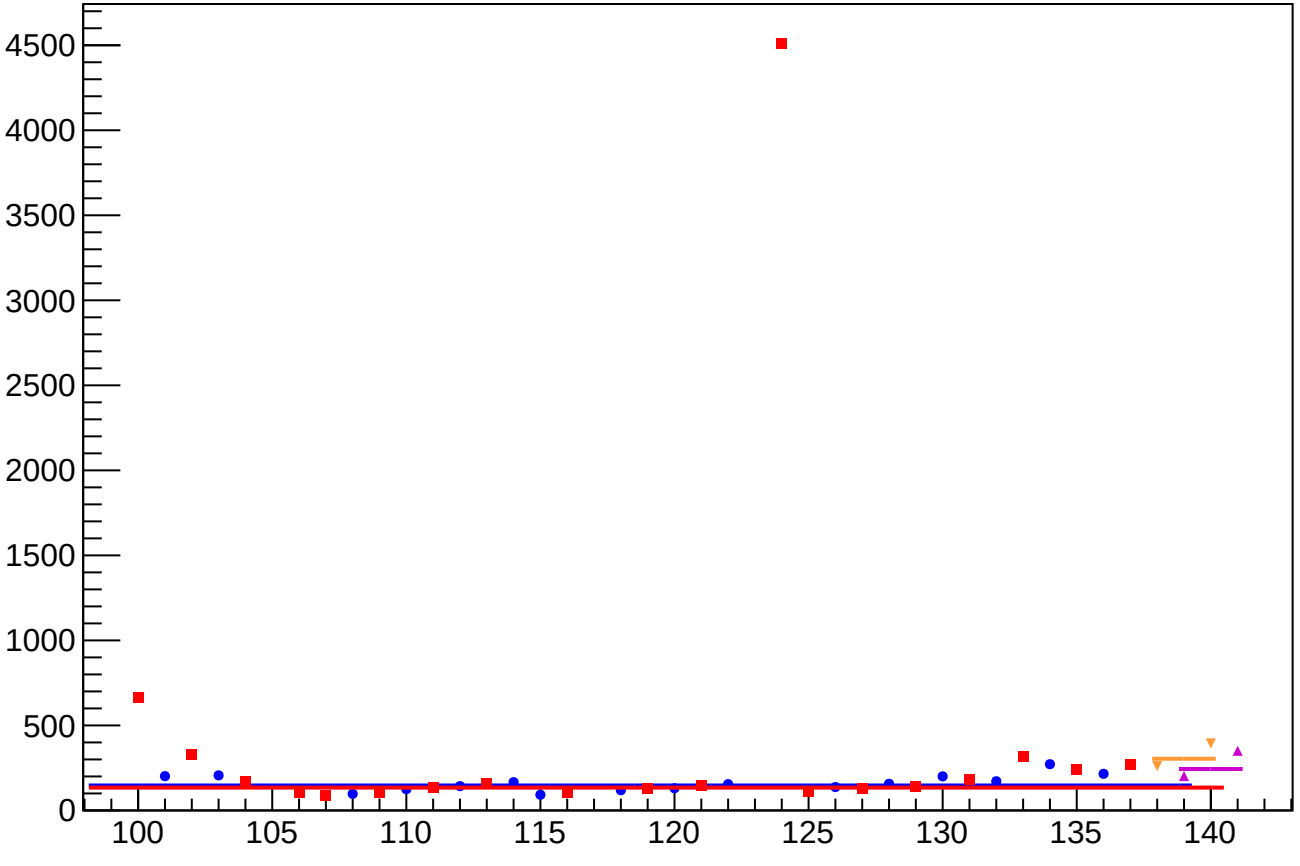
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

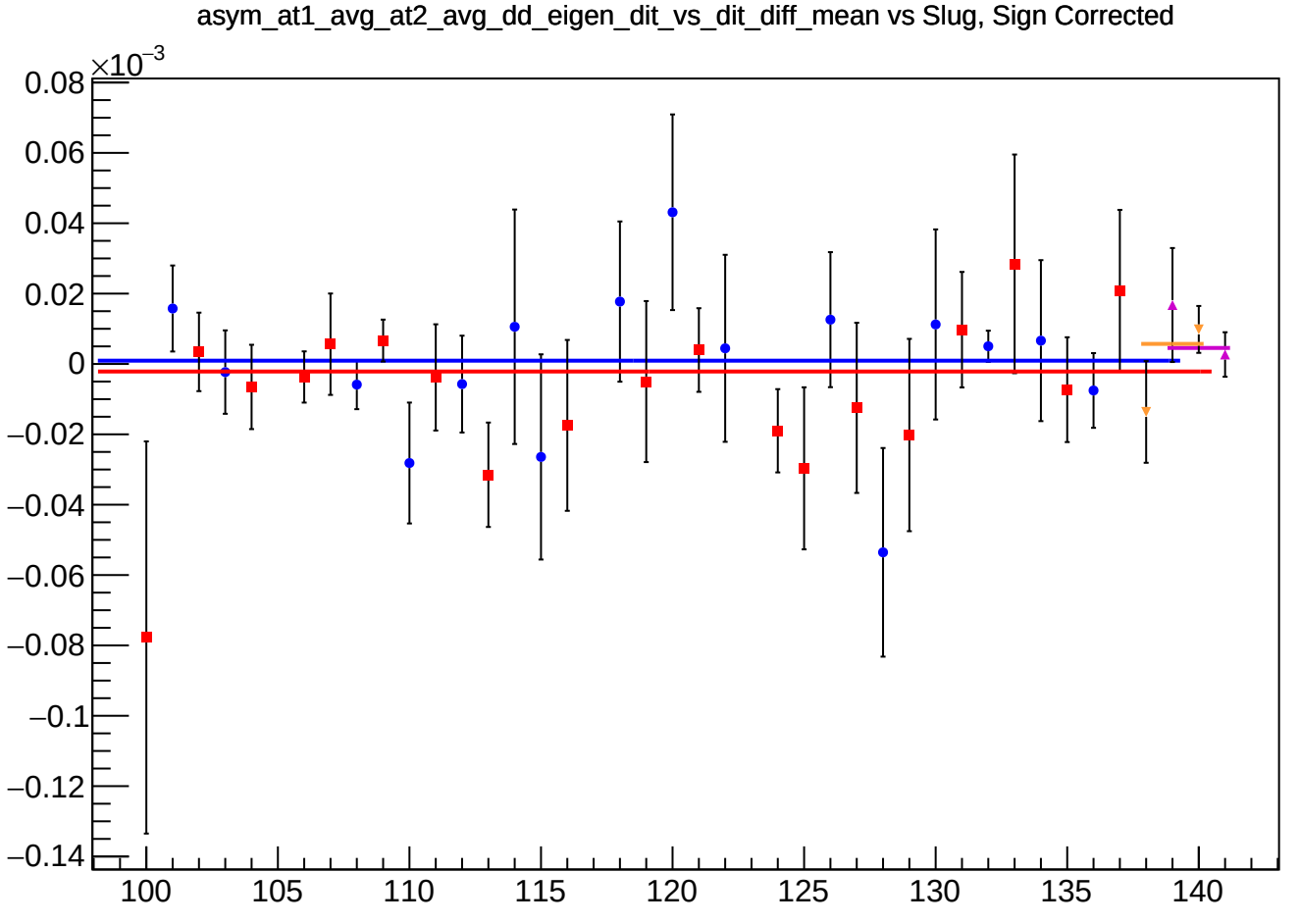
Left: 267.275+/-0.109 χ^2/NDF: 426951.7/3

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344358.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

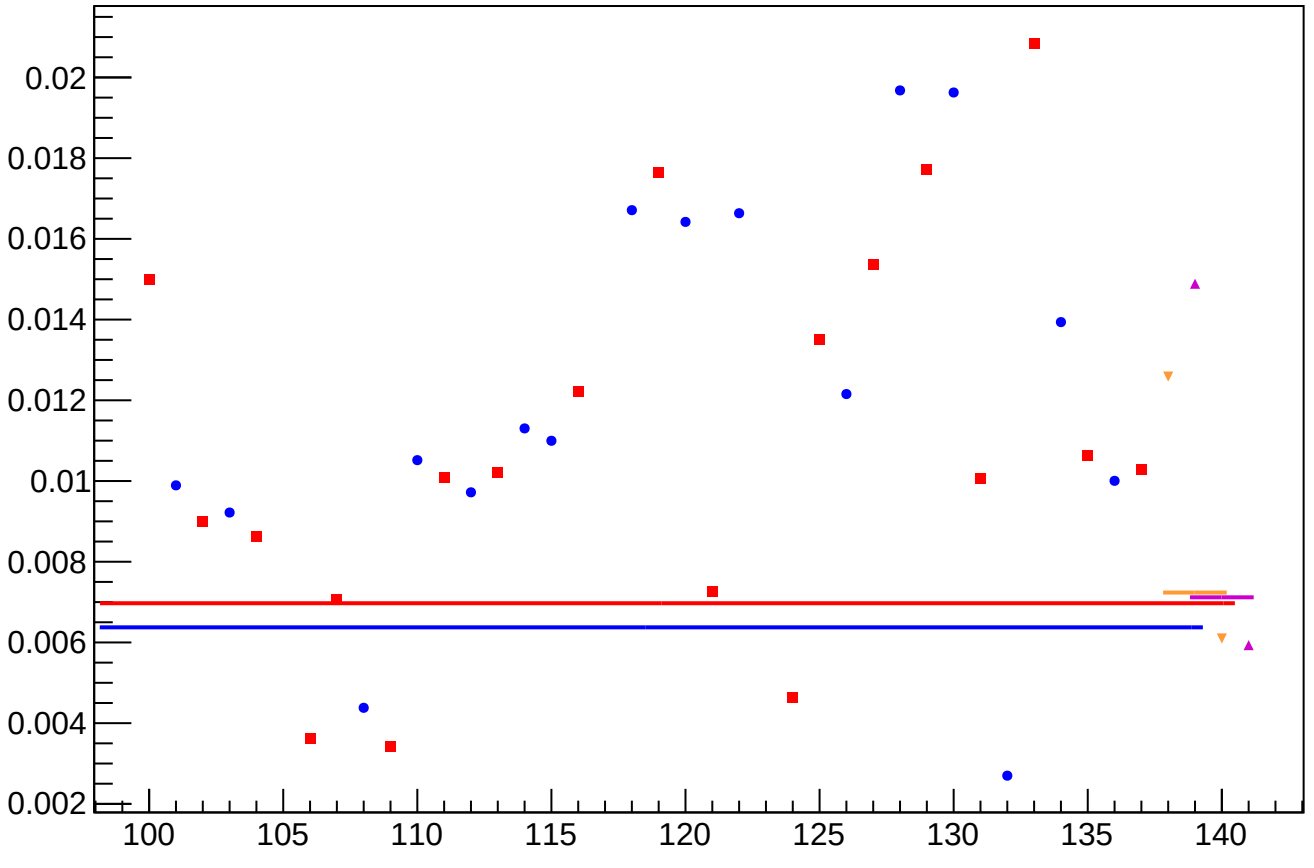
Left: 0.000+/-0.000 χ^2/NDF: 2.8/3

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:15.8/17

Out: -0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 35.7/38



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:332465.0/1

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:530472.1/1

Left: 0.007+/-0.000 χ^2/NDF: 863330.2/3

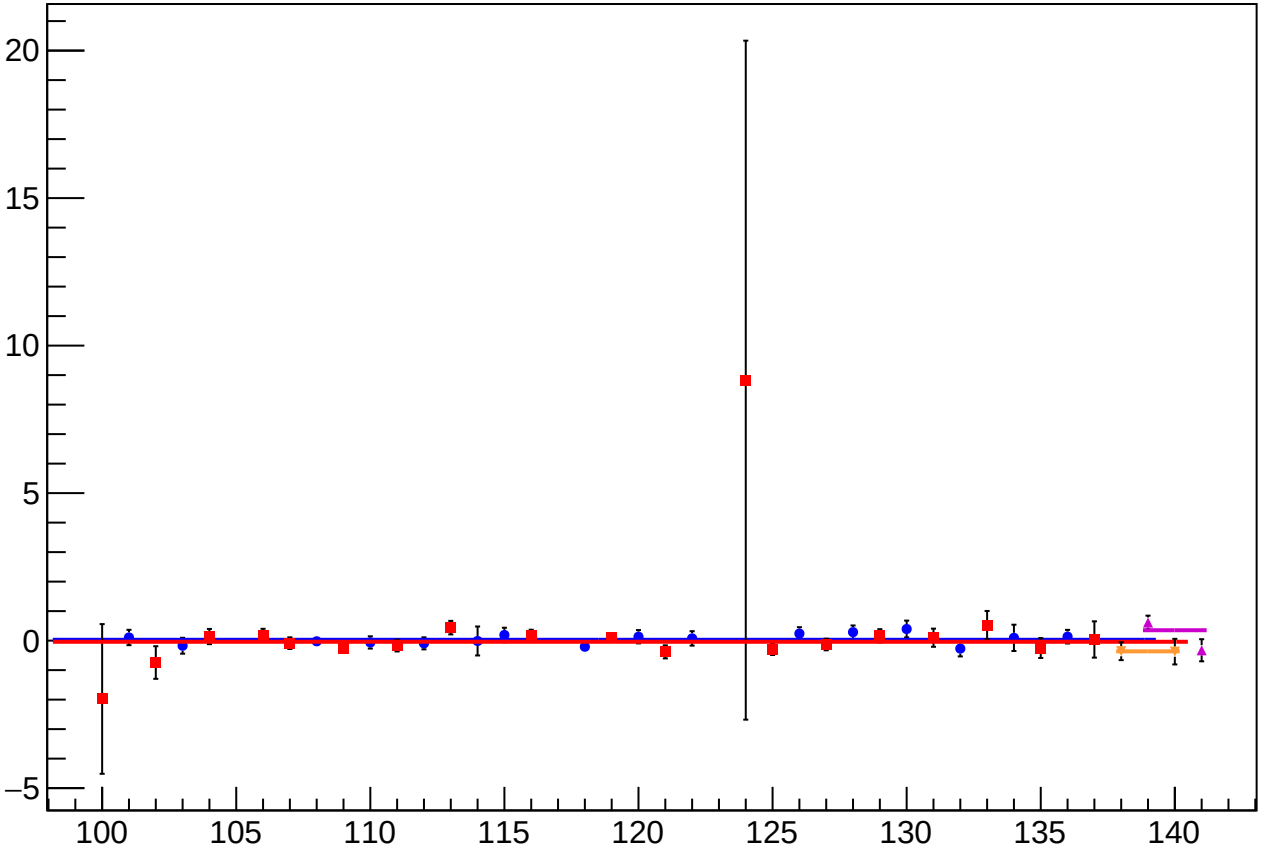
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5195831.4/17

Out: 0.007+/-0.000 χ^2/NDF:3745475.8/20

All: 0.007+/-0.000 χ^2/NDF: 8977044.0/38

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

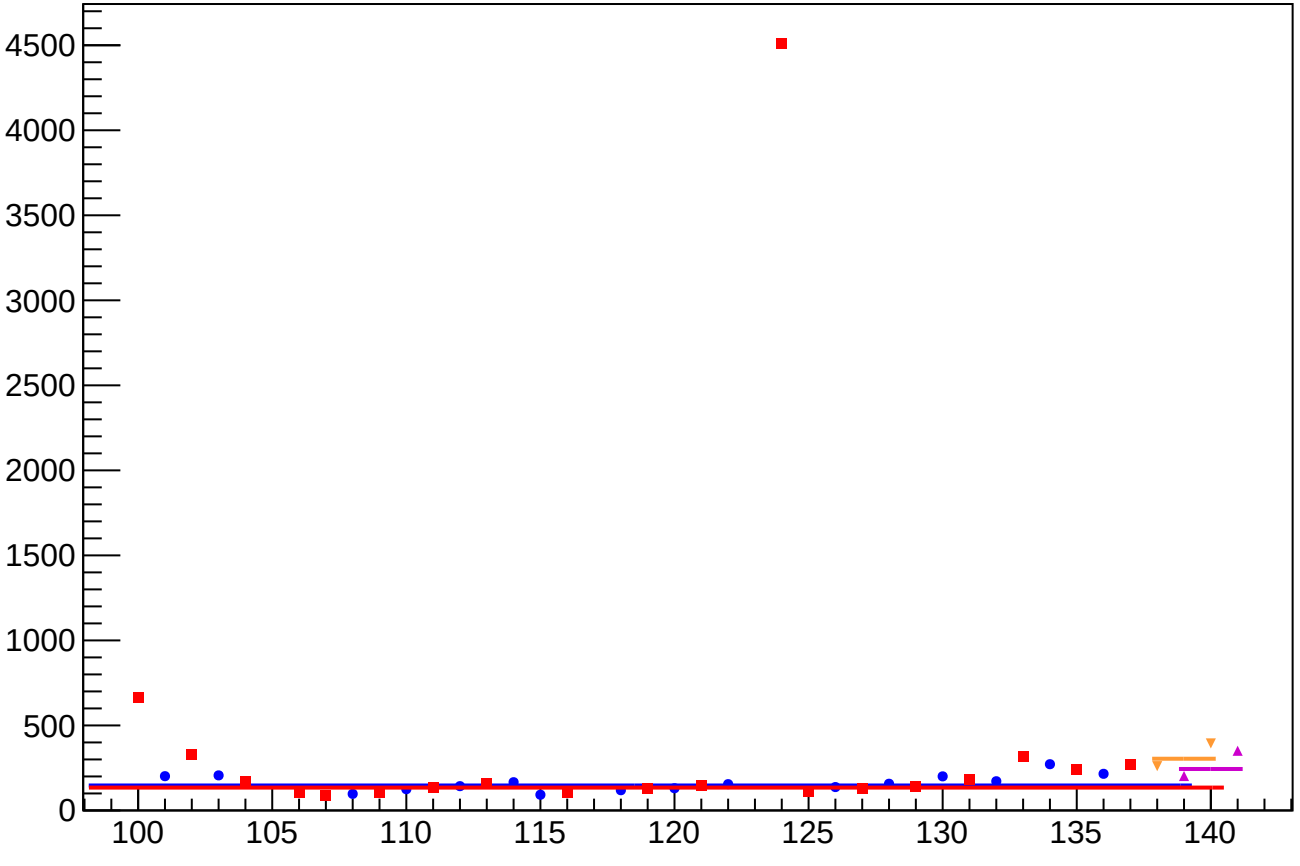
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

Left: 267.279+/-0.109 χ^2/NDF: 426930.2/3

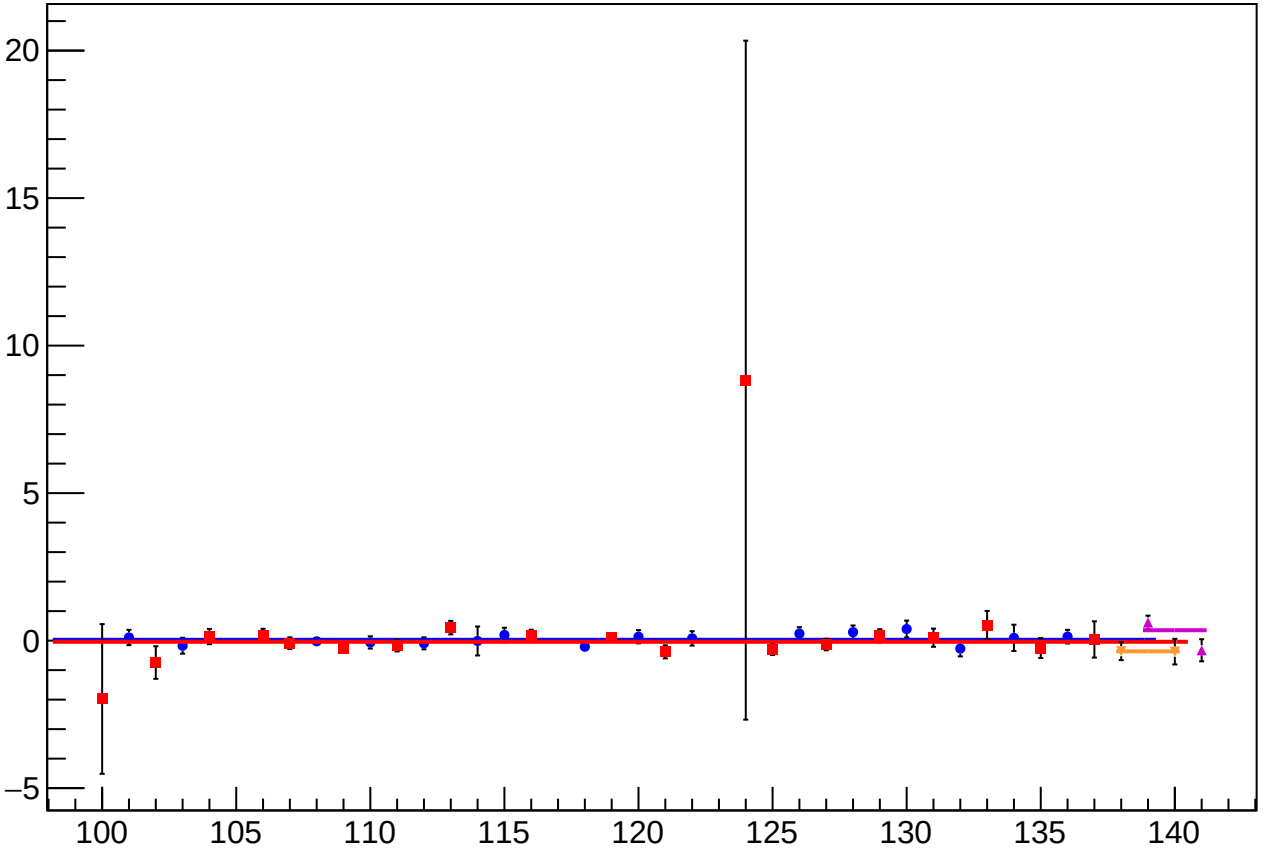
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344233.6/38

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

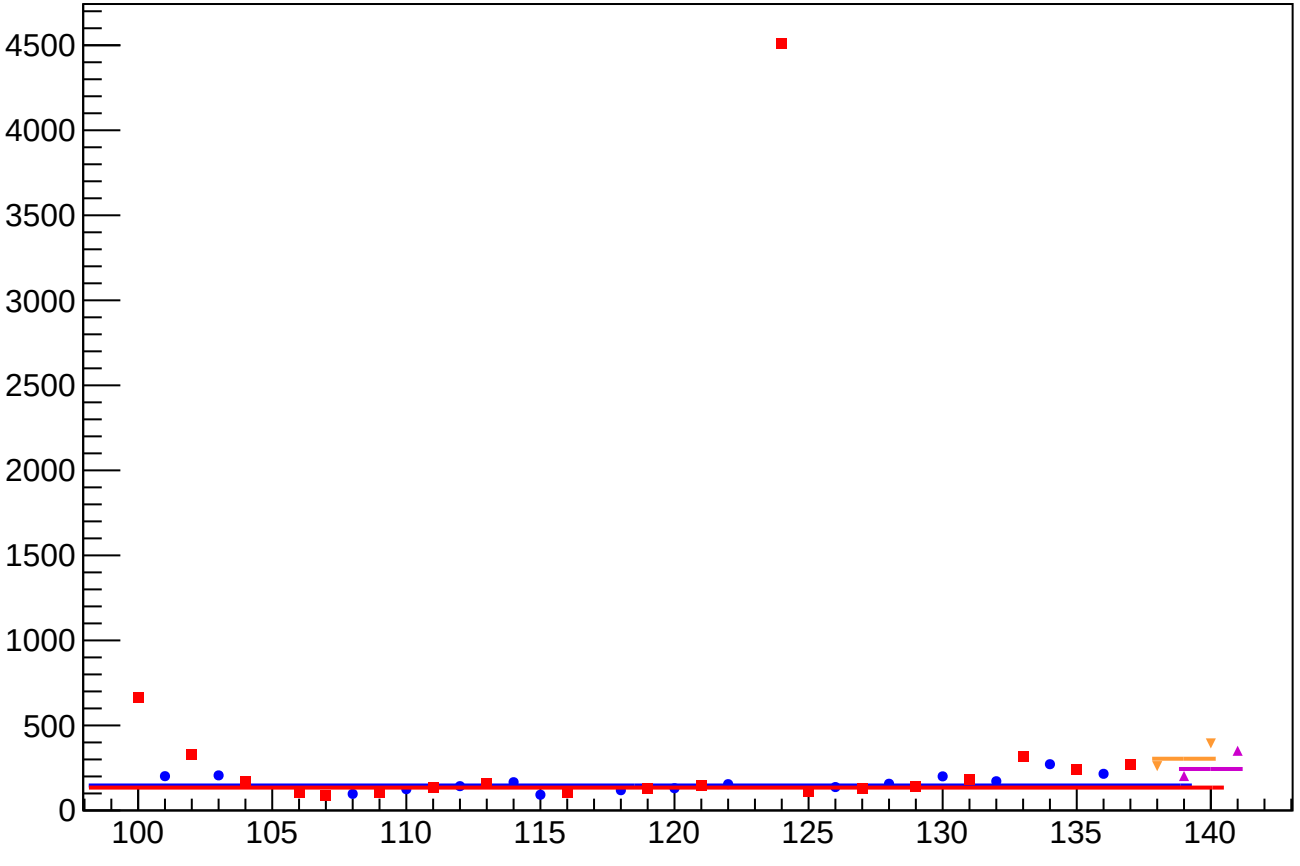
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

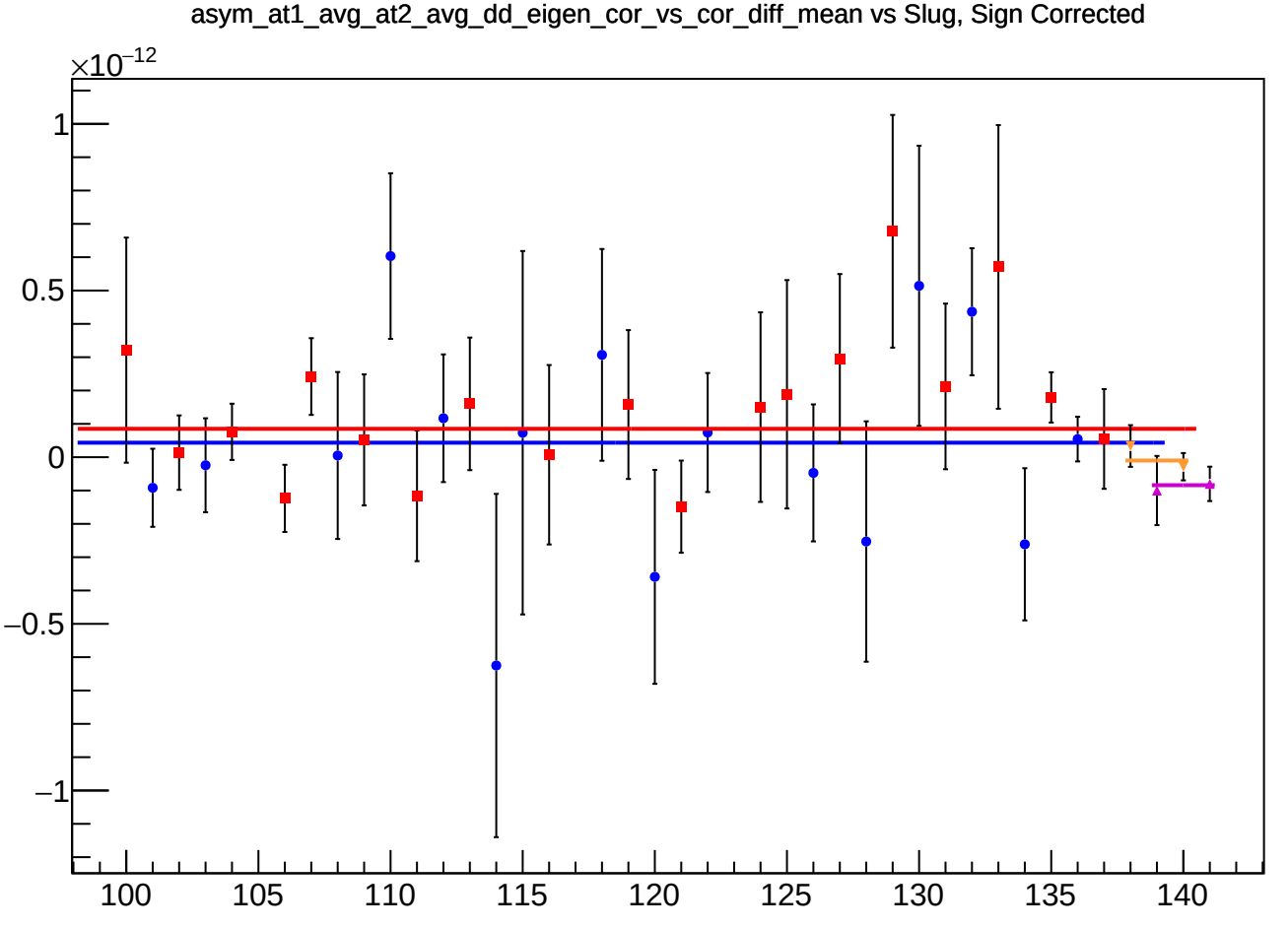
Left: 267.279+/-0.109 χ^2/NDF: 426930.2/3

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344233.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

Left: -0.000+/-0.000 χ^2/NDF: 2.4/3

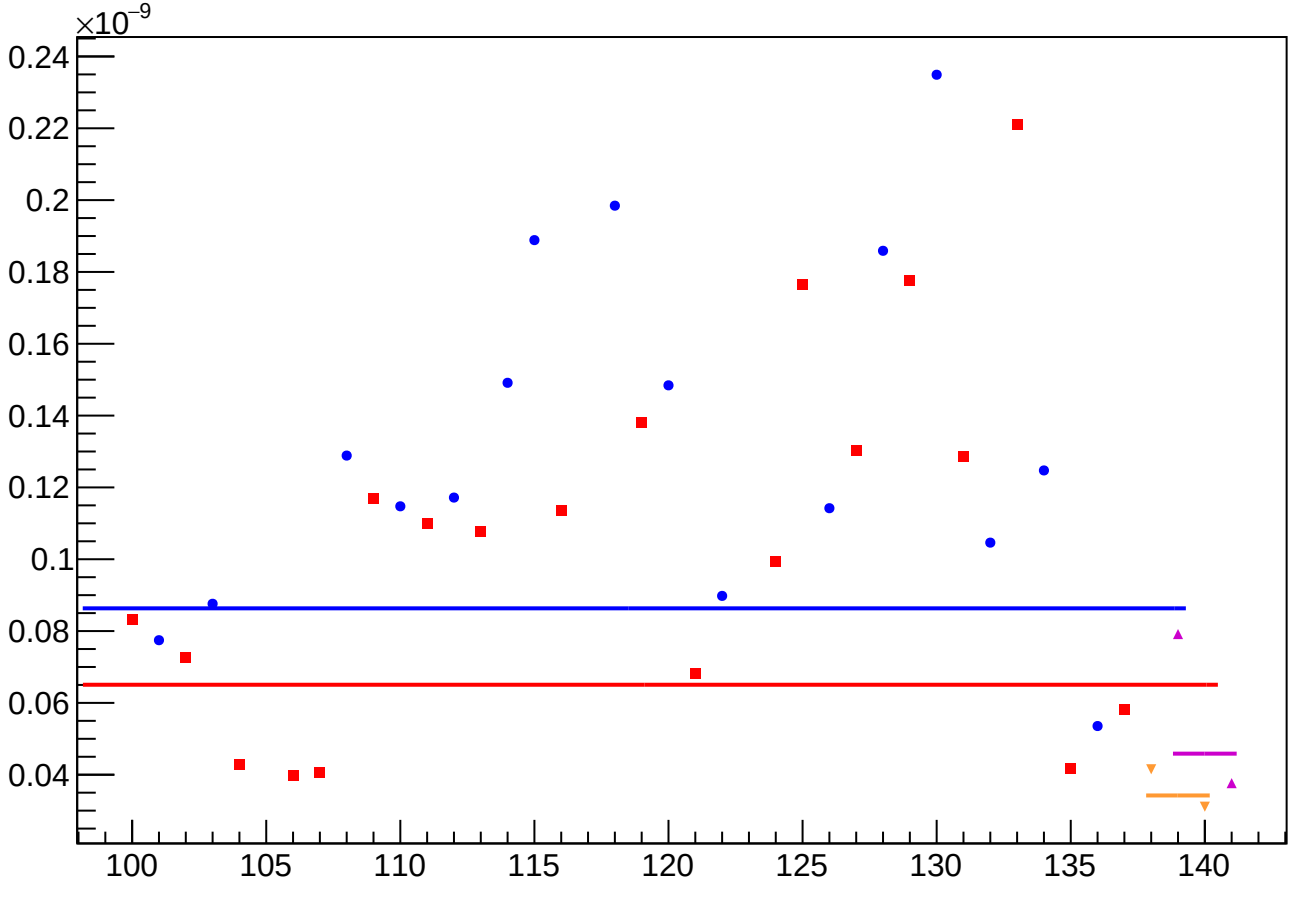
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:23.1/17

Out: 0.000+/-0.000 χ^2/NDF:22.7/20

All: 0.000+/-0.000 χ^2/NDF: 47.7/38

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:38834.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:256625.8/1

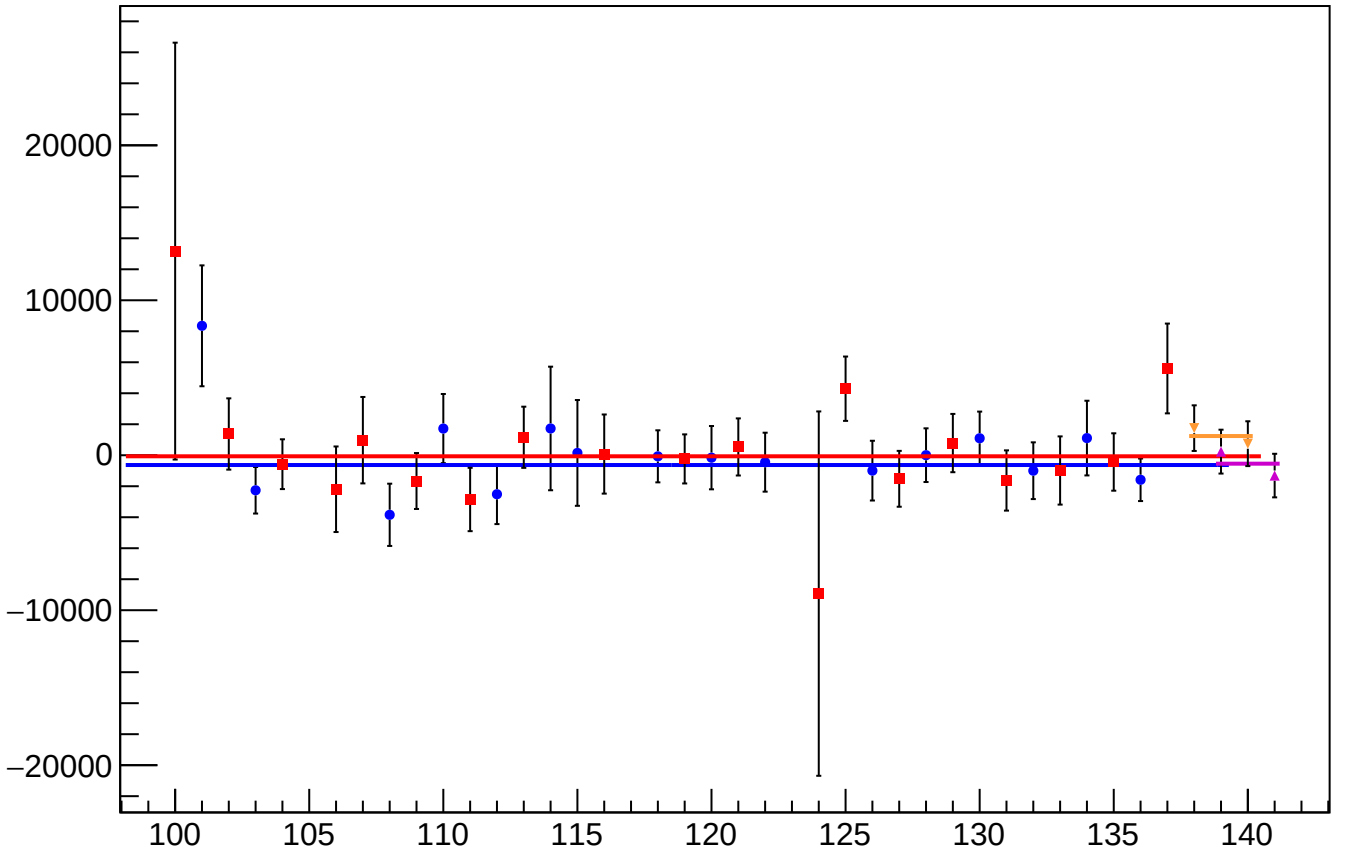
Left: 0.000+/-0.000 χ^2/NDF: 377428.1/3

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2649362.1/17

Out: 0.000+/-0.000 χ^2/NDF:3007864.6/20

All: 0.000+/-0.000 χ^2/NDF: 6070234.1/38



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.687+/-1031.611 χ^2/NDF:0.2/1

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -544.636+/-997.379 χ^2/NDF:0.6/1

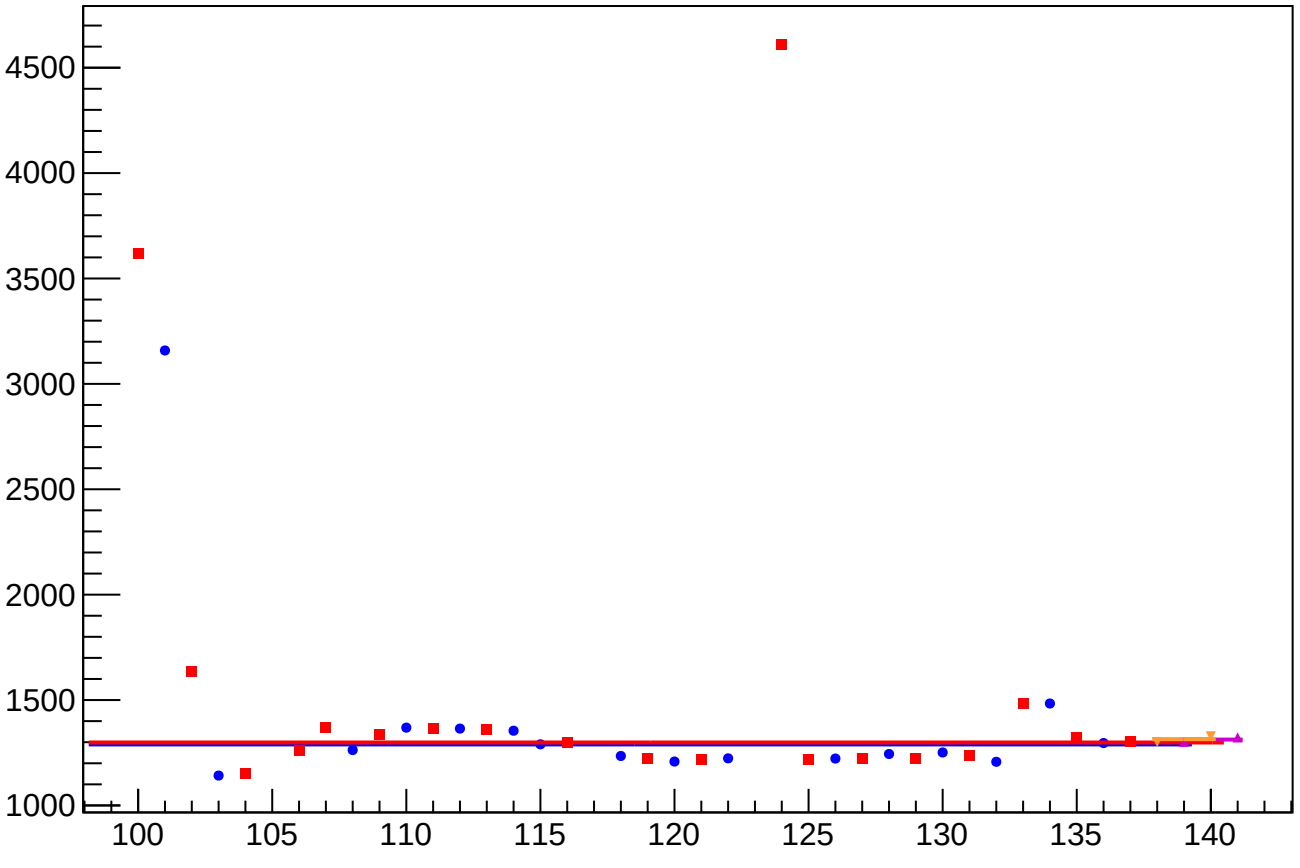
Left: 316.947+/-717.050 χ^2/NDF: 2.4/3

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -614.315+/-438.824 χ^2/NDF:14.5/17

Out: 171.035+/-440.956 χ^2/NDF:17.4/20

All: -223.543+/-311.046 χ^2/NDF: 33.5/38



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

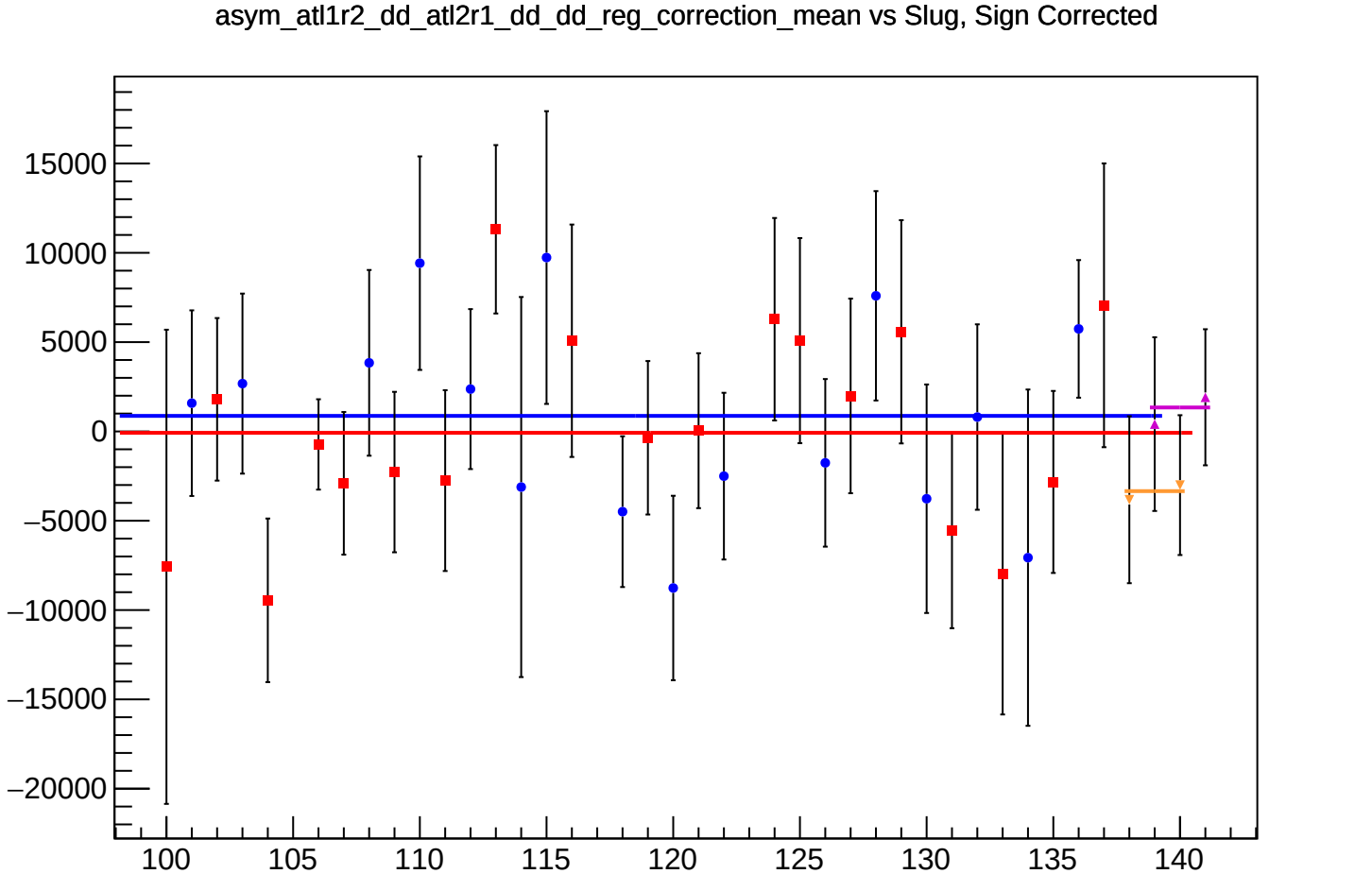
Left: 1313.350+/-0.507 χ^2/NDF: 574.1/3

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1293.903+/-0.310 χ^2/NDF:515743.3/17

Out: 1301.517+/-0.311 χ^2/NDF:320108.6/20

All: 1297.700+/-0.220 χ^2/NDF: 836152.2/38



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -3341.980+/-3000.918 χ^2/NDF:0.0/1

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1340.957+/-2998.457 χ^2/NDF:0.1/1

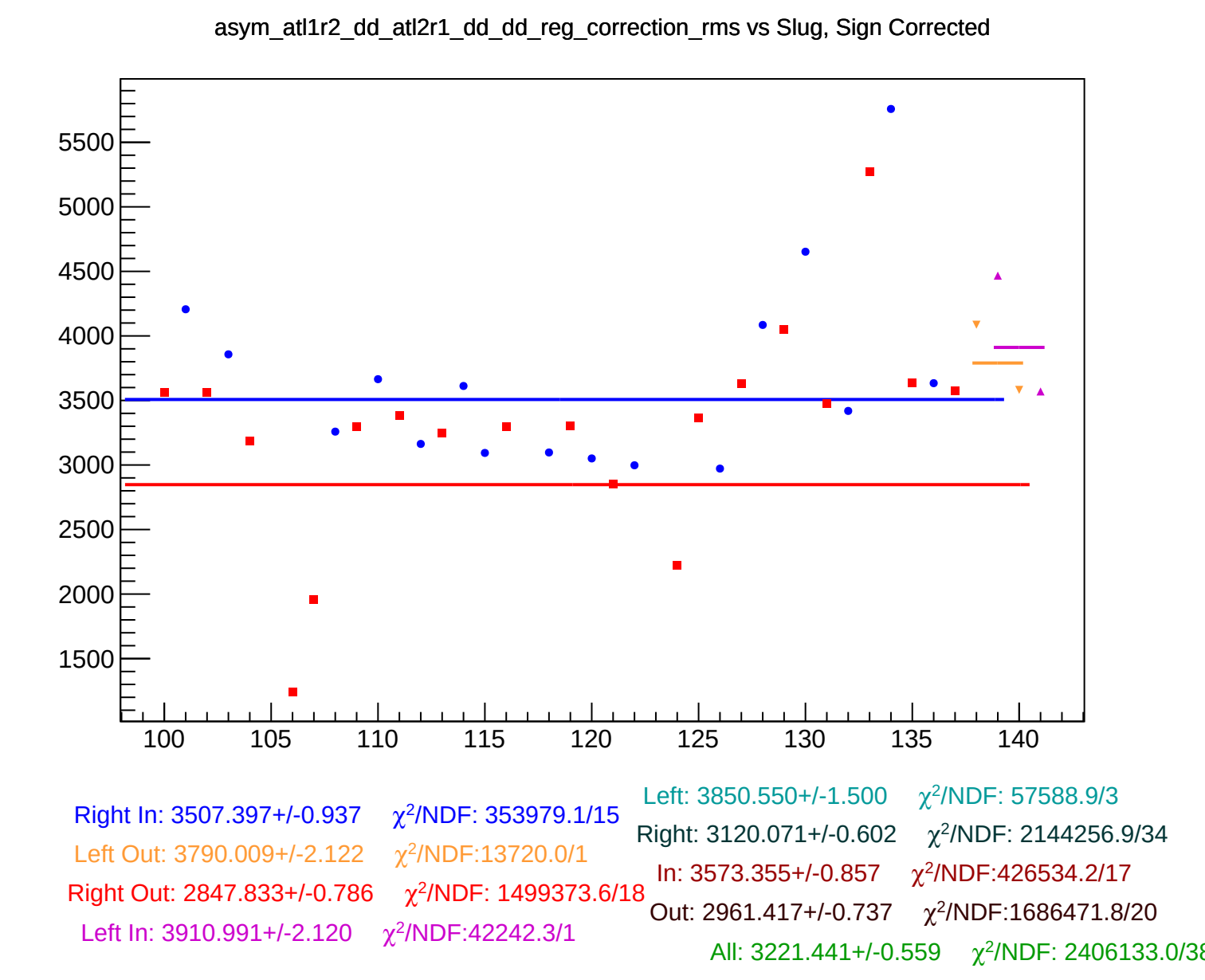
Left: -998.591+/-2121.099 χ^2/NDF: 1.3/3

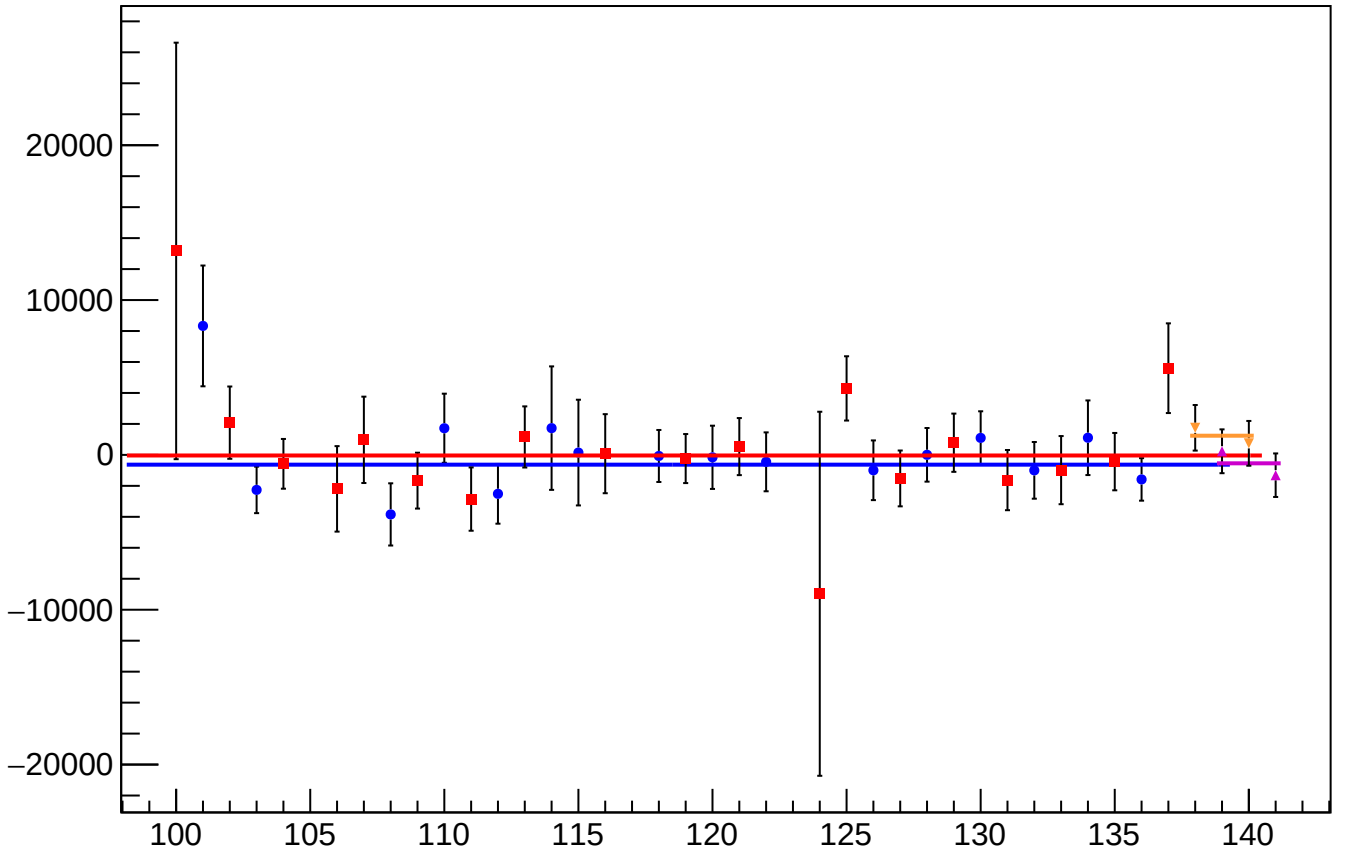
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 947.213+/-1212.158 χ^2/NDF:14.1/17

Out: -470.895+/-1041.951 χ^2/NDF:19.4/20

All: 131.686+/-790.154 χ^2/NDF: 34.3/38


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3790.009+/-2.122 χ²/NDF:13720.0/1
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3910.991+/-2.120 χ²/NDF:42242.3/1
Left: 3850.550+/-1.500 χ²/NDF: 57588.9/3
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3573.355+/-0.857 χ²/NDF:426534.2/17
Out: 2961.417+/-0.737 χ²/NDF:1686471.8/20
All: 3221.441+/-0.559 χ²/NDF: 2406133.0/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

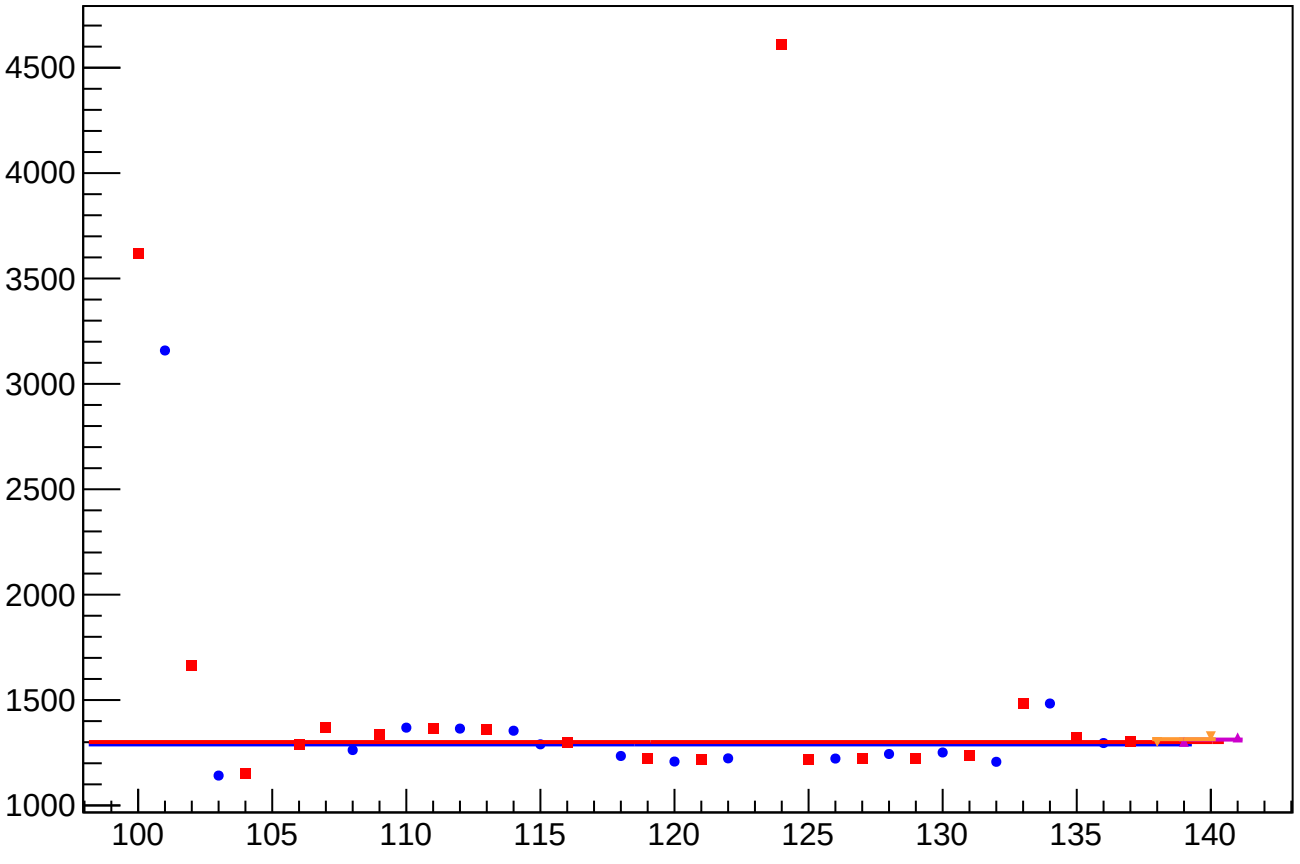
Left: 317.024+/-717.050 χ^2/NDF: 2.4/3

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -211.977+/-311.130 χ^2/NDF: 34.0/38



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

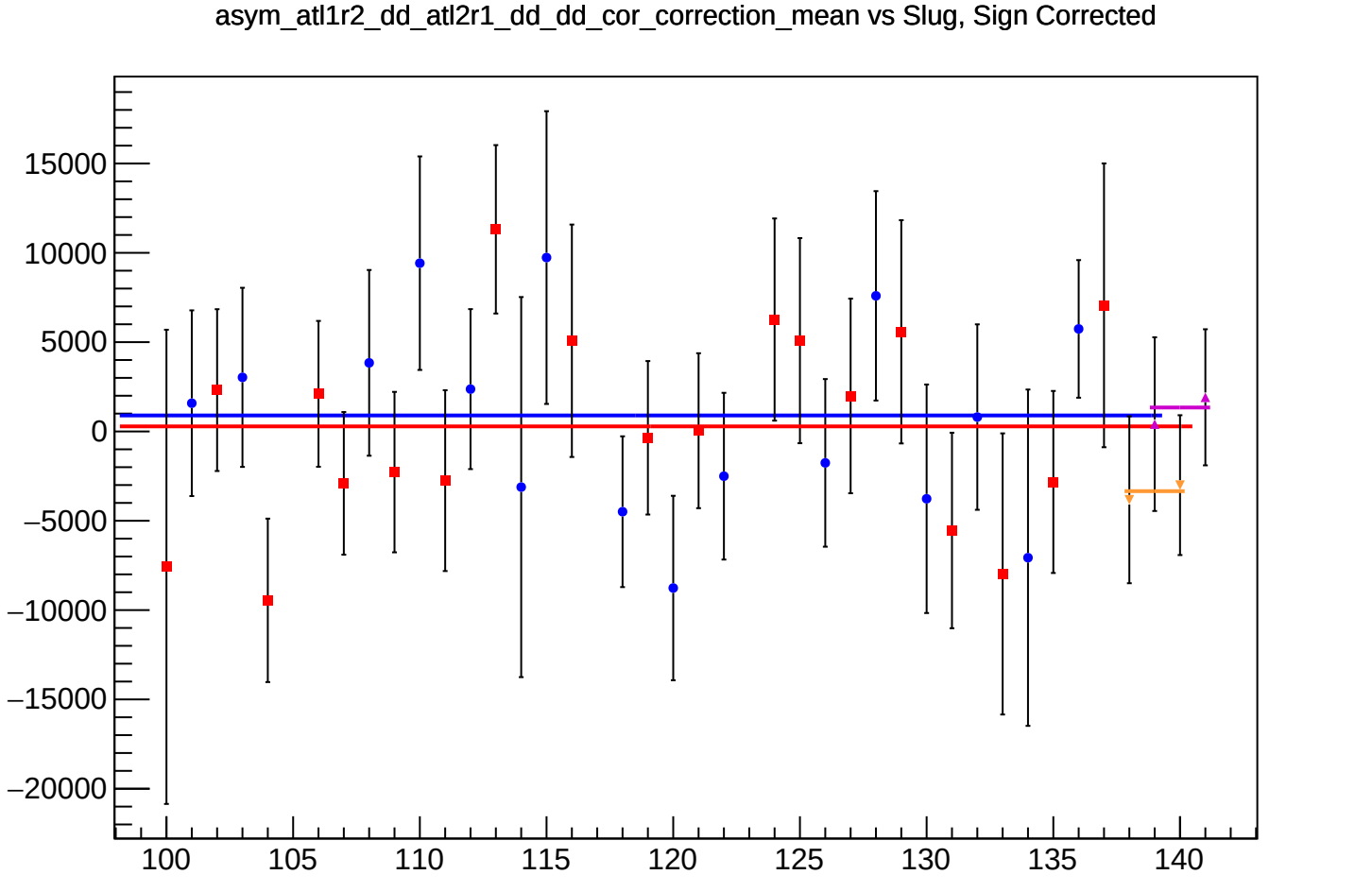
Left: 1313.350+/-0.507 χ^2/NDF: 574.1/3

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1298.524+/-0.220 χ^2/NDF: 842739.8/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

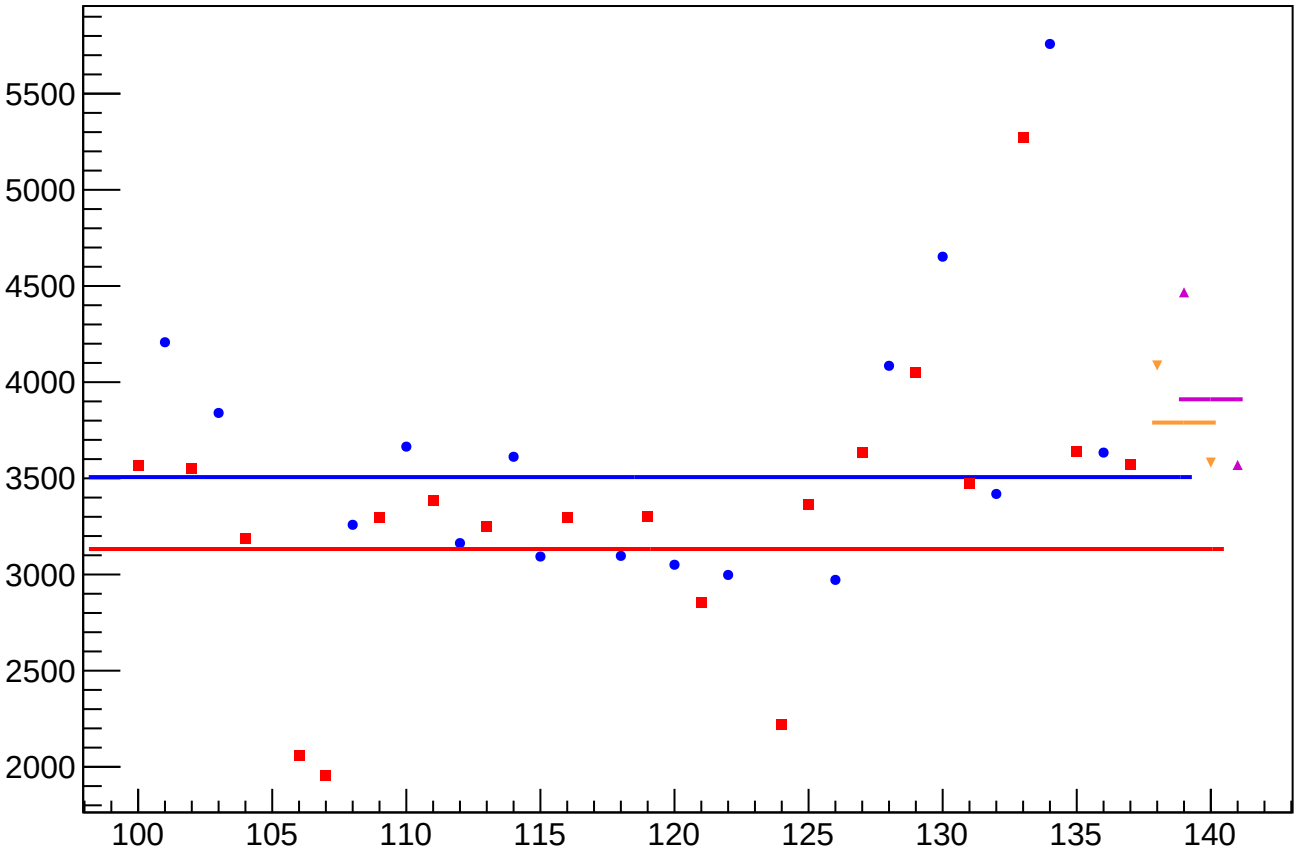
Left: -998.617+/-2121.095 χ^2/NDF: 1.3/3

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 326.210+/-814.771 χ^2/NDF: 34.6/38



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

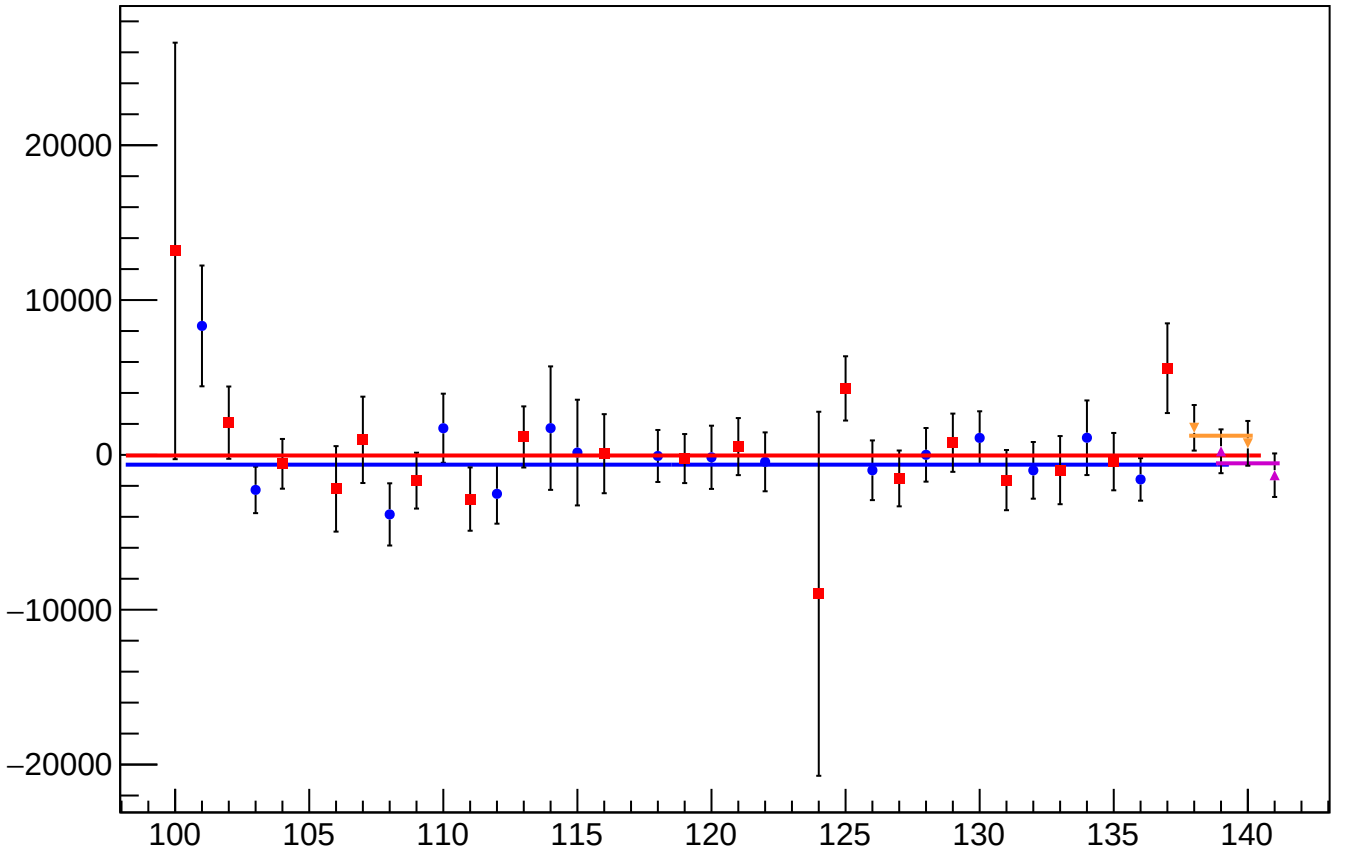
Left: 3850.543+/-1.500 χ^2/NDF: 57588.4/3

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3379.943+/-0.576 χ^2/NDF: 1264547.0/38



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1238.609+/-1031.611 χ^2/NDF:0.2/1

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

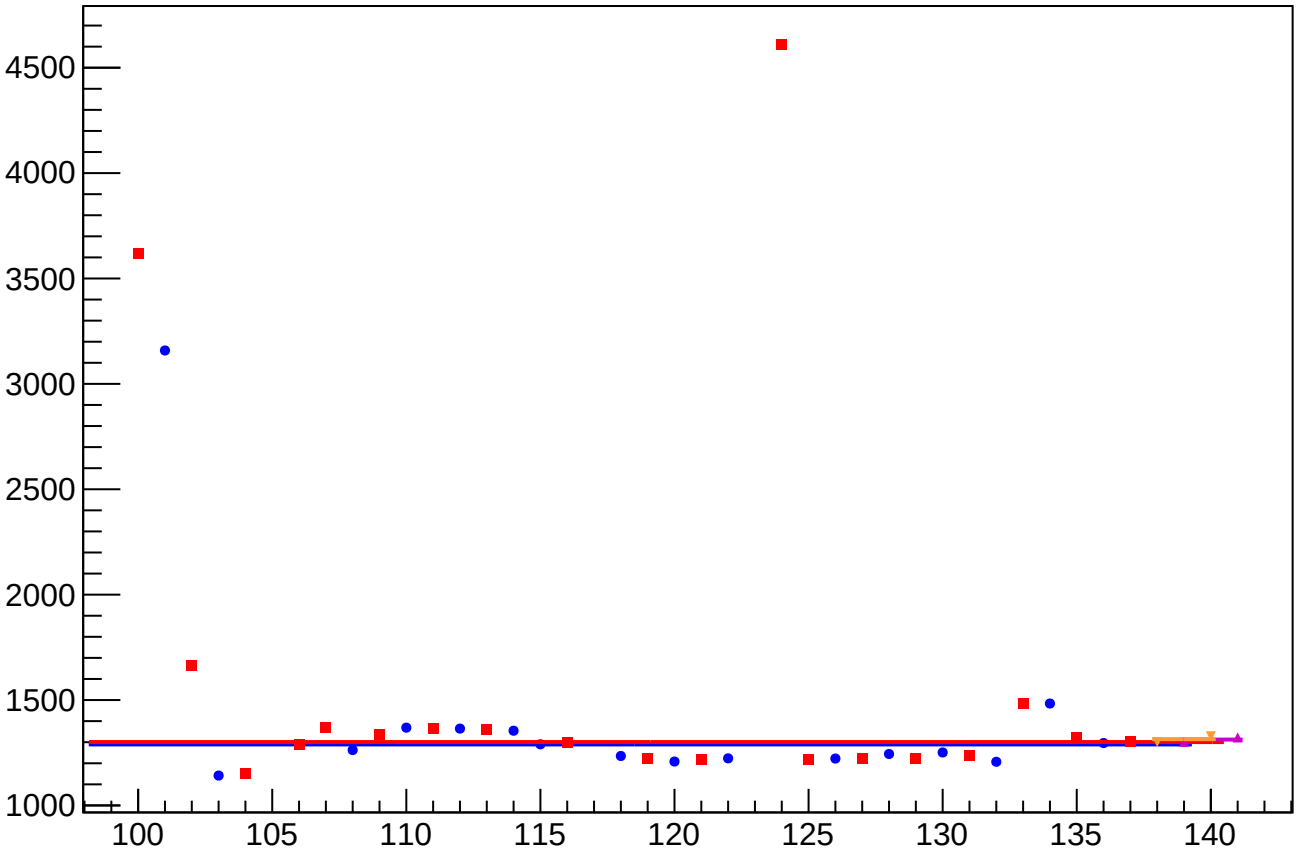
Left: 317.024+/-717.050 χ^2/NDF: 2.4/3

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 194.991+/-441.195 χ^2/NDF:17.8/20

All: -211.977+/-311.130 χ^2/NDF: 34.0/38



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1314.384+/-0.729 χ^2/NDF:353.5/1

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

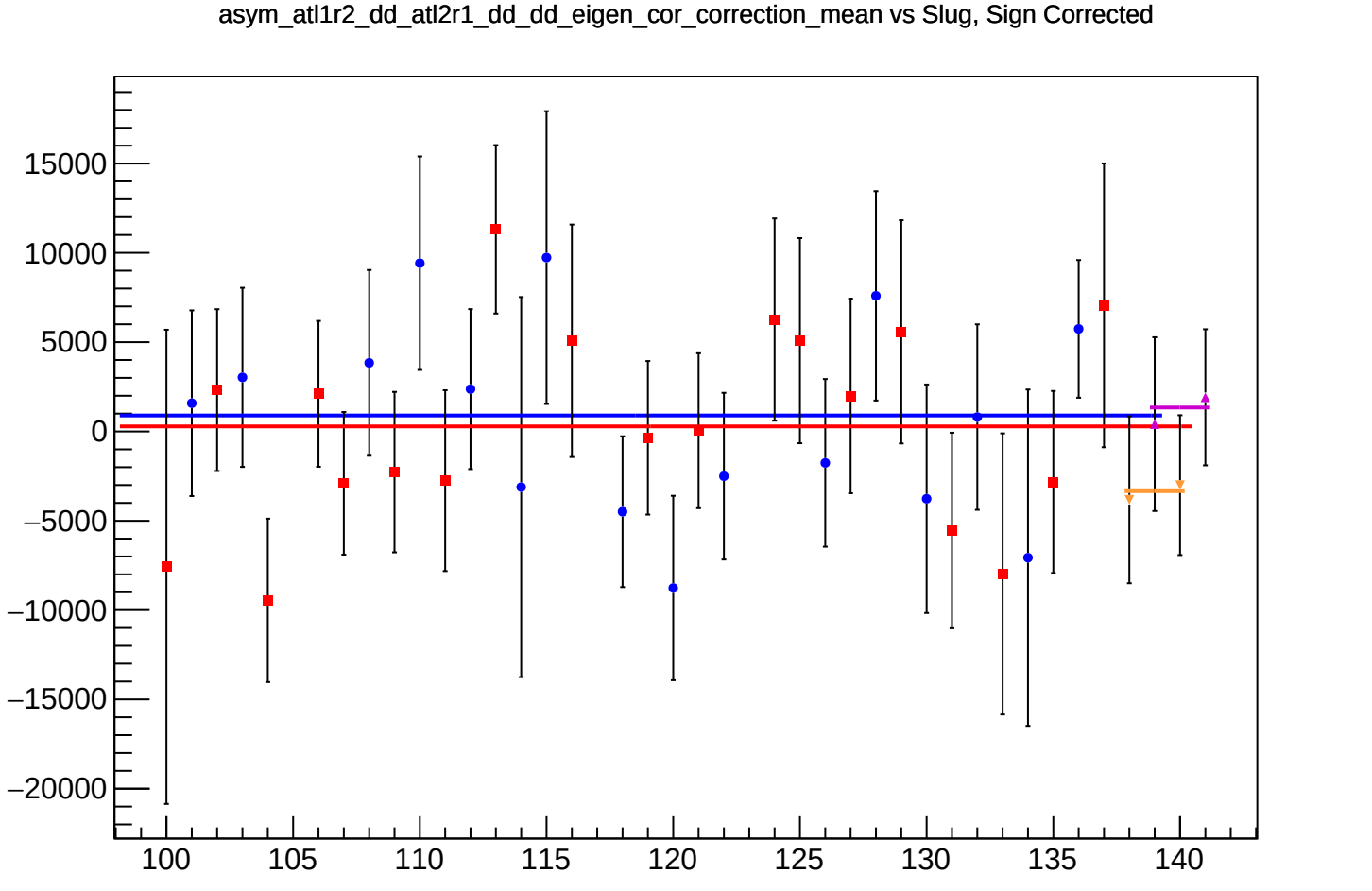
Left: 1313.350+/-0.507 χ^2/NDF: 574.1/3

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1303.182+/-0.311 χ^2/NDF:326549.5/20

All: 1298.524+/-0.220 χ^2/NDF: 842739.8/38



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -3342.029+/-3000.914 χ^2/NDF:0.0/1

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

Left: -998.617+/-2121.095 χ^2/NDF: 1.3/3

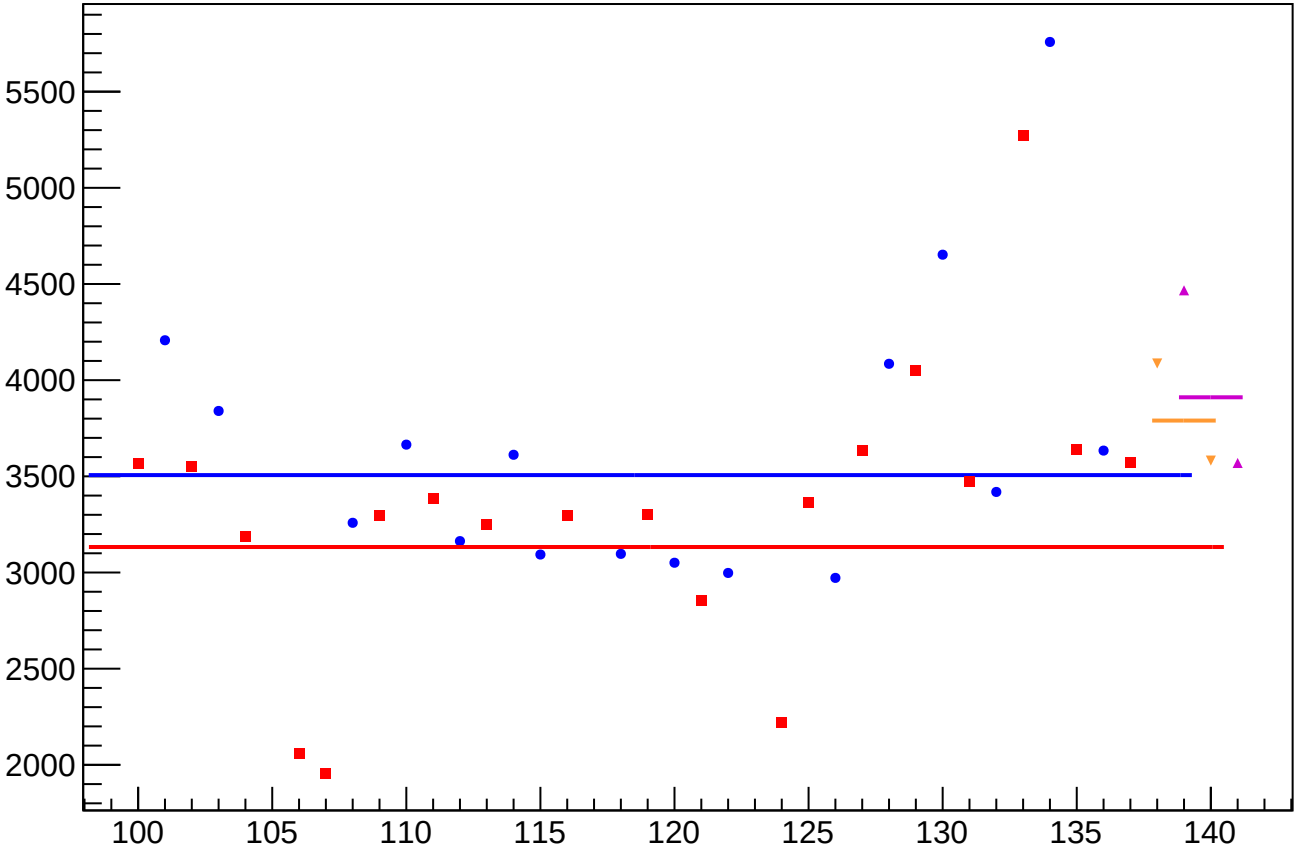
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -203.863+/-1100.708 χ^2/NDF:19.9/20

All: 326.210+/-814.771 χ^2/NDF: 34.6/38

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3790.003+/-2.122 χ^2/NDF:13720.3/1

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

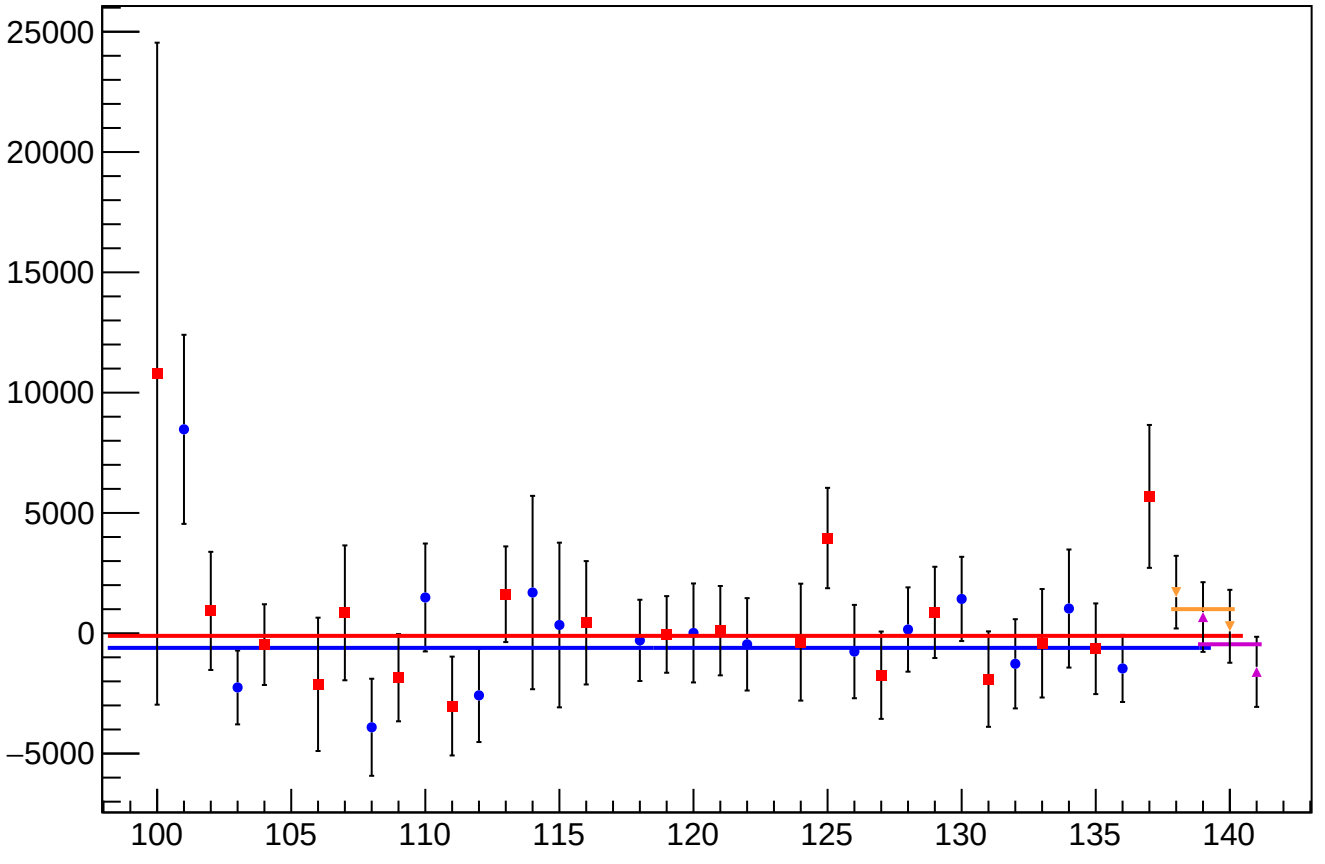
Left: 3850.543+/-1.500 χ^2/NDF: 57588.4/3

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 3221.032+/-0.778 χ^2/NDF:746403.3/20

All: 3379.943+/-0.576 χ^2/NDF: 1264547.0/38



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.801+/-1069.457 χ^2/NDF:0.4/1

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -458.128+/-1026.913 χ^2/NDF:1.2/1

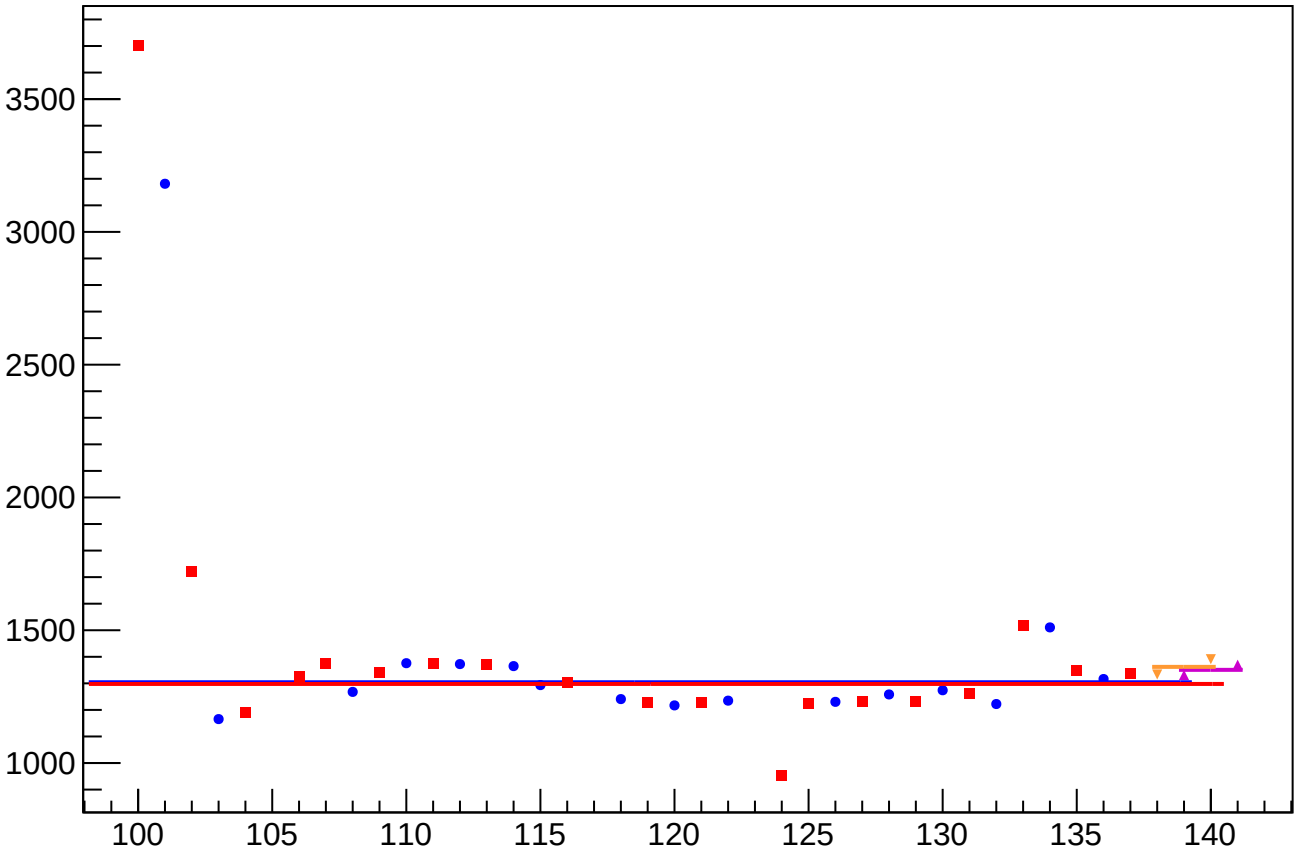
Left: 242.221+/-740.721 χ^2/NDF: 2.6/3

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -579.681+/-445.302 χ^2/NDF:15.4/17

Out: 81.160+/-442.119 χ^2/NDF:16.2/20

All: -246.890+/-313.745 χ^2/NDF: 32.7/38



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1350.869+/-0.726 χ^2/NDF:712.8/1

Left: 1356.245+/-0.524 χ^2/NDF: 2267.9/3

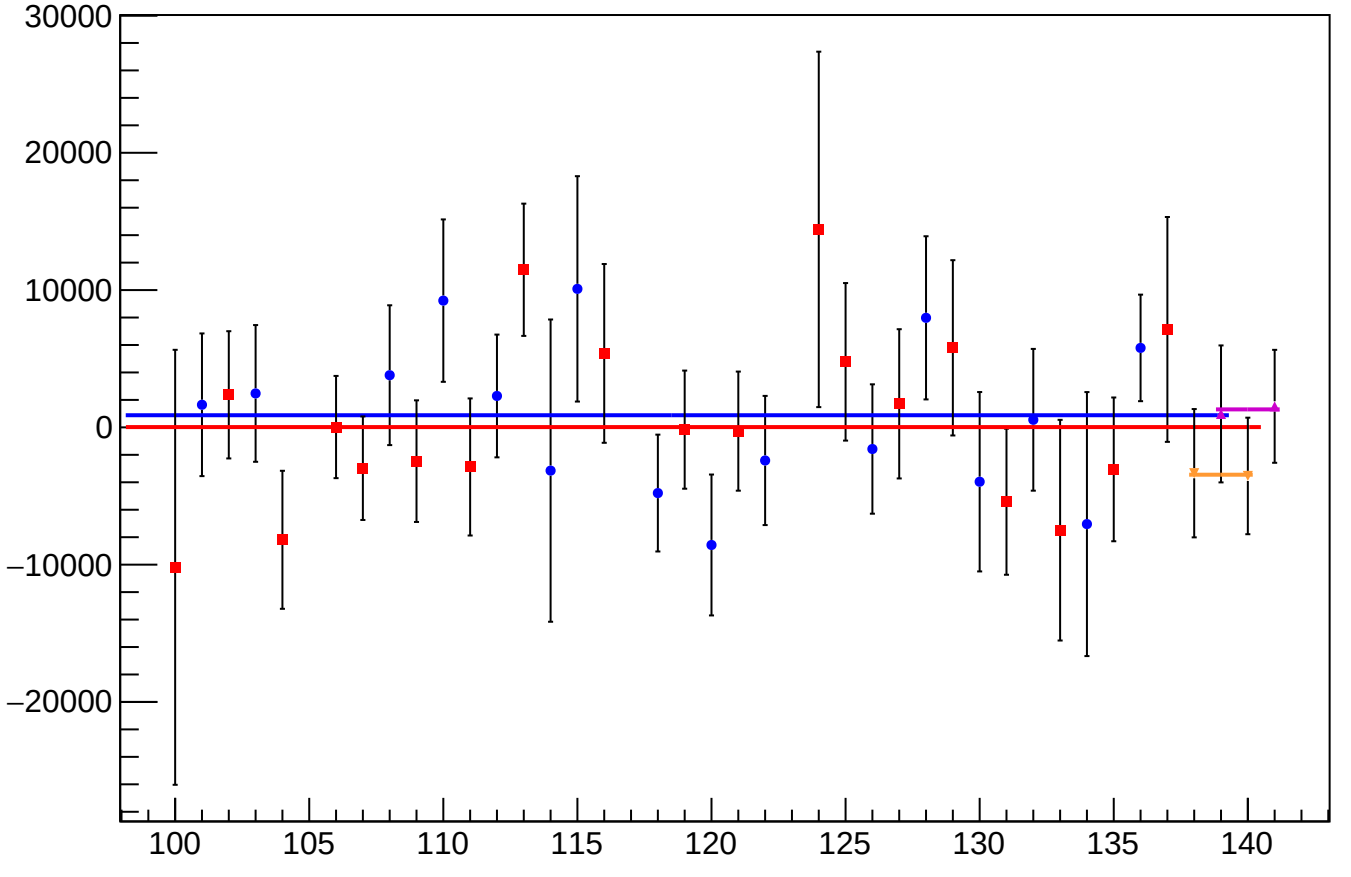
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1312.896+/-0.315 χ^2/NDF:514670.3/17

Out: 1308.768+/-0.312 χ^2/NDF:220529.6/20

All: 1310.816+/-0.222 χ^2/NDF: 735286.5/38

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3448.190+/-3141.914 χ^2/NDF:0.0/1

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1309.261+/-3173.459 χ^2/NDF:0.0/1

Left: -1093.227+/-2232.738 χ^2/NDF: 1.1/3

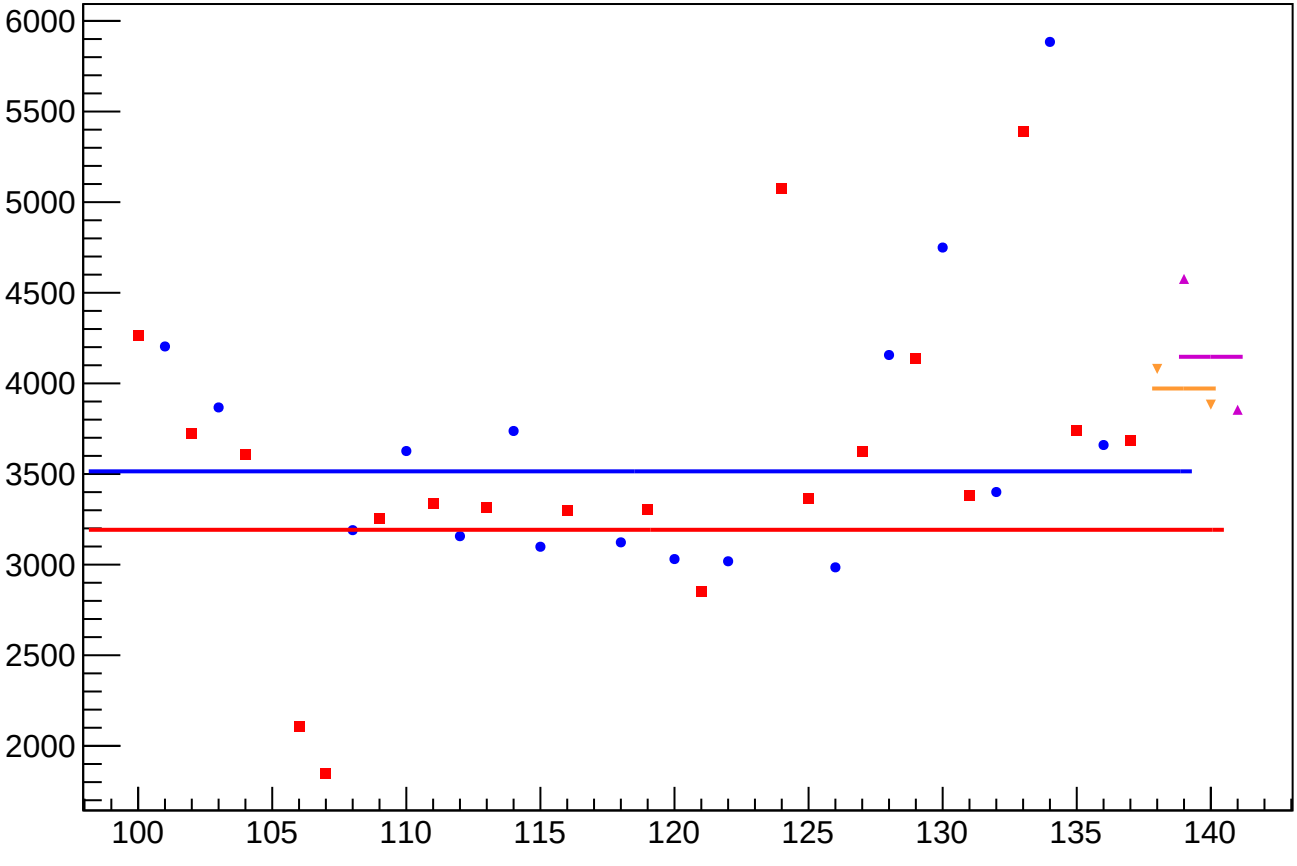
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 947.373+/-1224.588 χ^2/NDF:14.1/17

Out: -420.925+/-1121.031 χ^2/NDF:17.9/20

All: 202.933+/-826.880 χ^2/NDF: 32.7/38

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3971.800+/-2.222 χ^2/NDF:1950.7/1

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4146.801+/-2.244 χ^2/NDF:24941.6/1

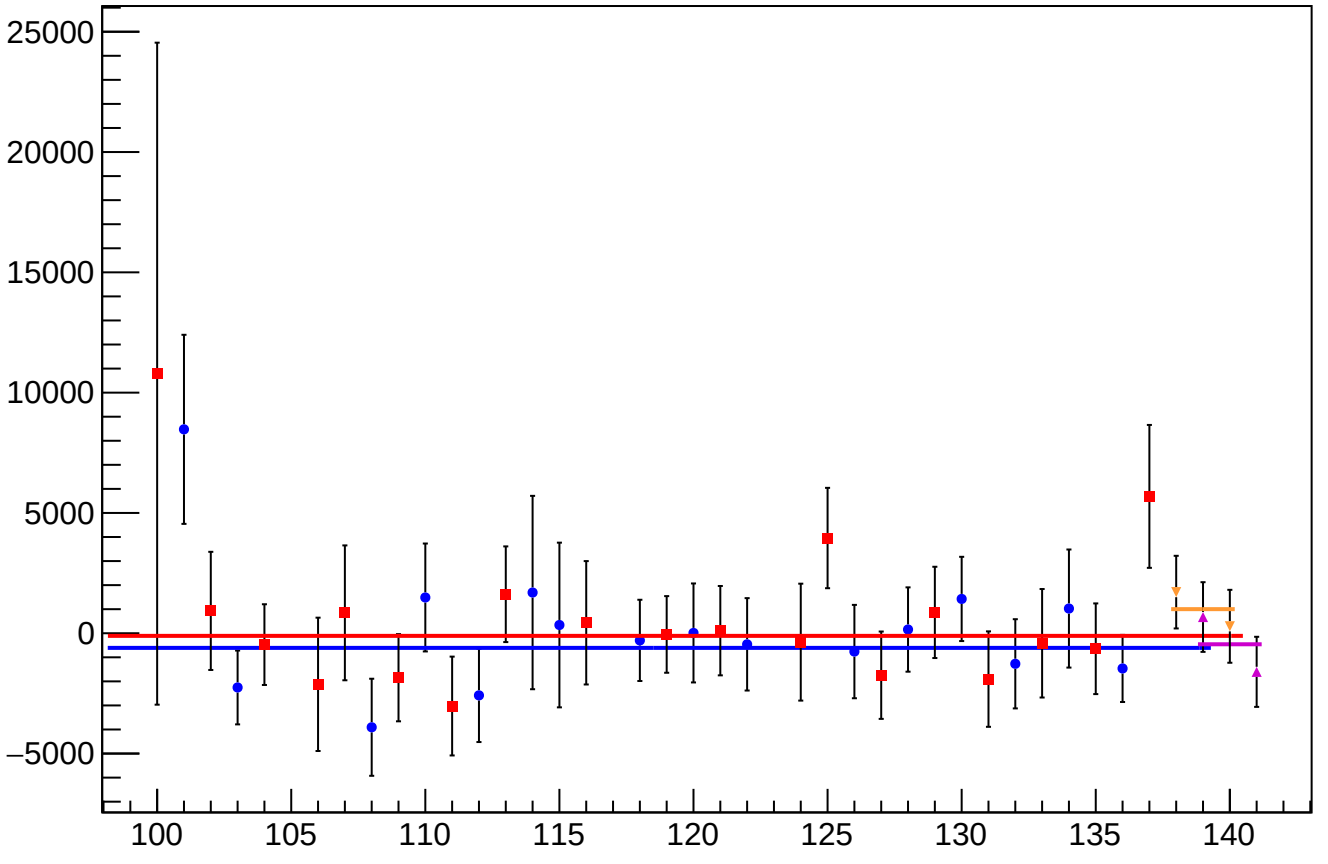
Left: 4058.426+/-1.579 χ^2/NDF: 29963.7/3

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3608.863+/-0.866 χ^2/NDF:467543.2/17

Out: 3291.450+/-0.793 χ^2/NDF:881905.4/20

All: 3436.170+/-0.585 χ^2/NDF: 1422553.7/38



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 1001.798+/-1069.458 χ^2/NDF:0.4/1

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -458.120+/-1026.914 χ^2/NDF:1.2/1

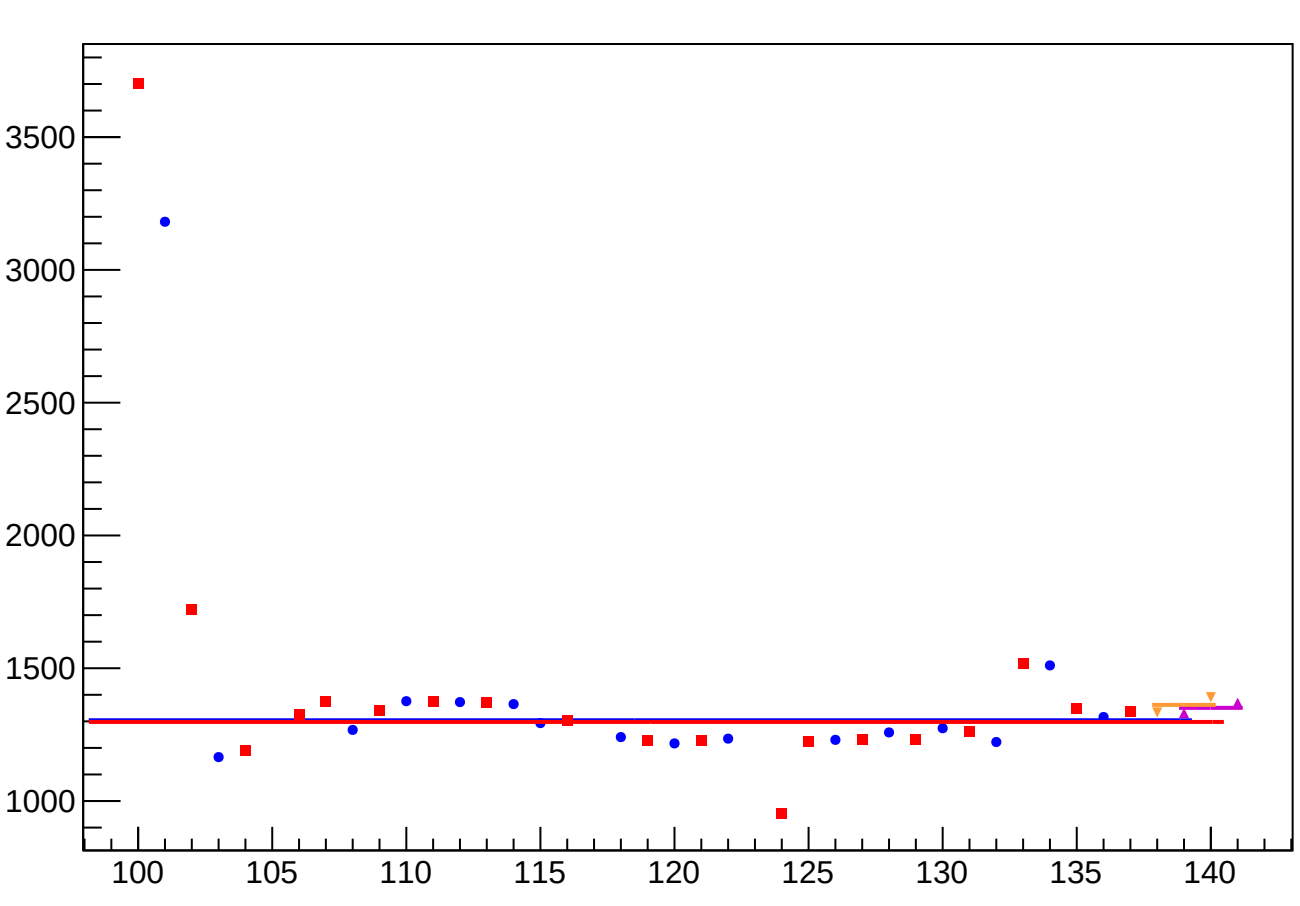
Left: 242.224+/-740.722 χ^2/NDF: 2.6/3

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -579.682+/-445.302 χ^2/NDF:15.4/17

Out: 81.155+/-442.119 χ^2/NDF:16.2/20

All: -246.893+/-313.745 χ^2/NDF: 32.7/38



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1362.076+/-0.756 χ^2/NDF:1440.8/1

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1350.870+/-0.726 χ^2/NDF:712.8/1

Left: 1356.246+/-0.524 χ^2/NDF: 2267.9/3

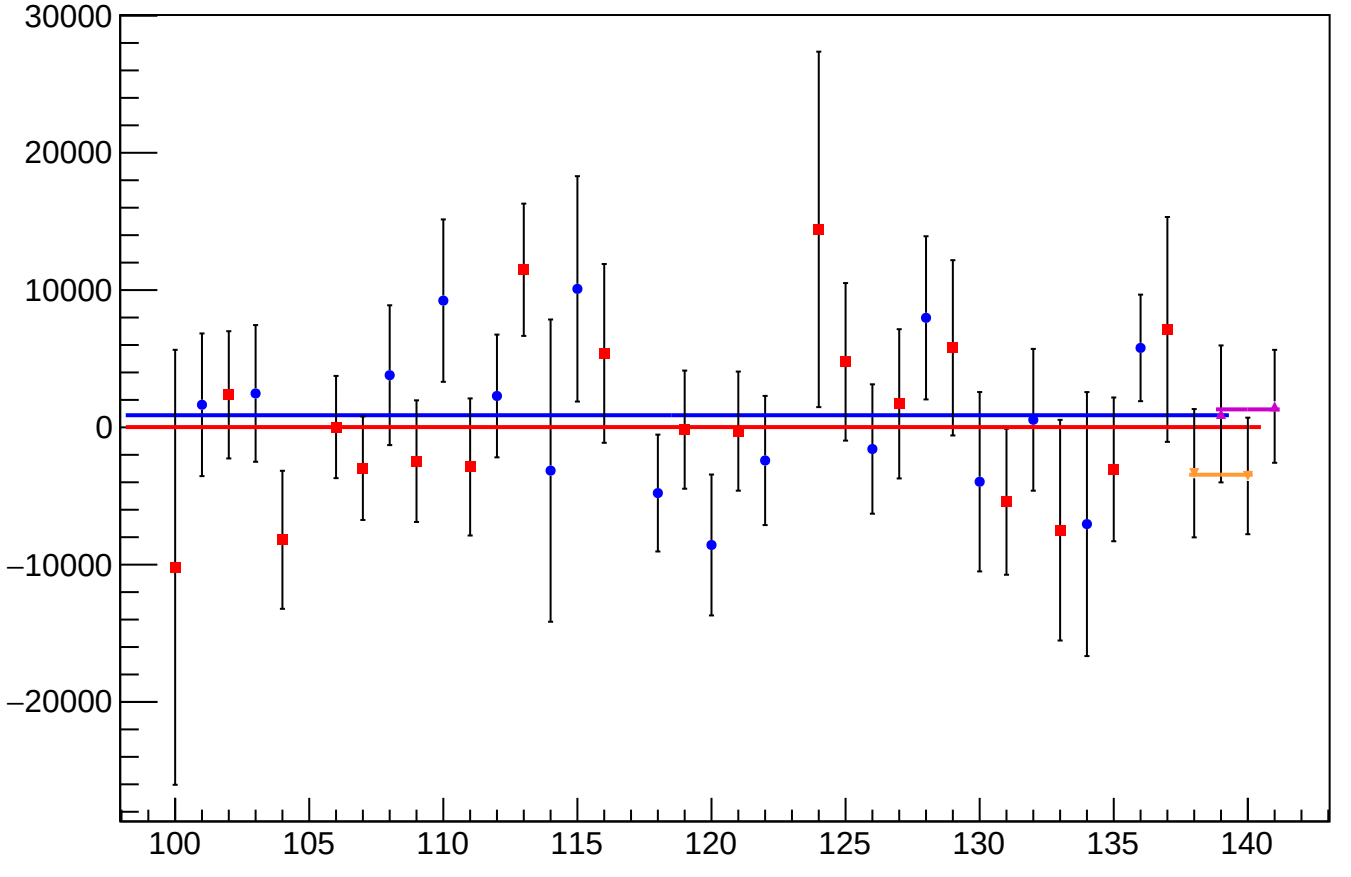
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1312.896+/-0.315 χ^2/NDF:514670.6/17

Out: 1308.768+/-0.312 χ^2/NDF:220529.8/20

All: 1310.816+/-0.222 χ^2/NDF: 735286.9/38

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3448.191+/-3141.919 χ^2/NDF:0.0/1

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1309.271+/-3173.463 χ^2/NDF:0.0/1

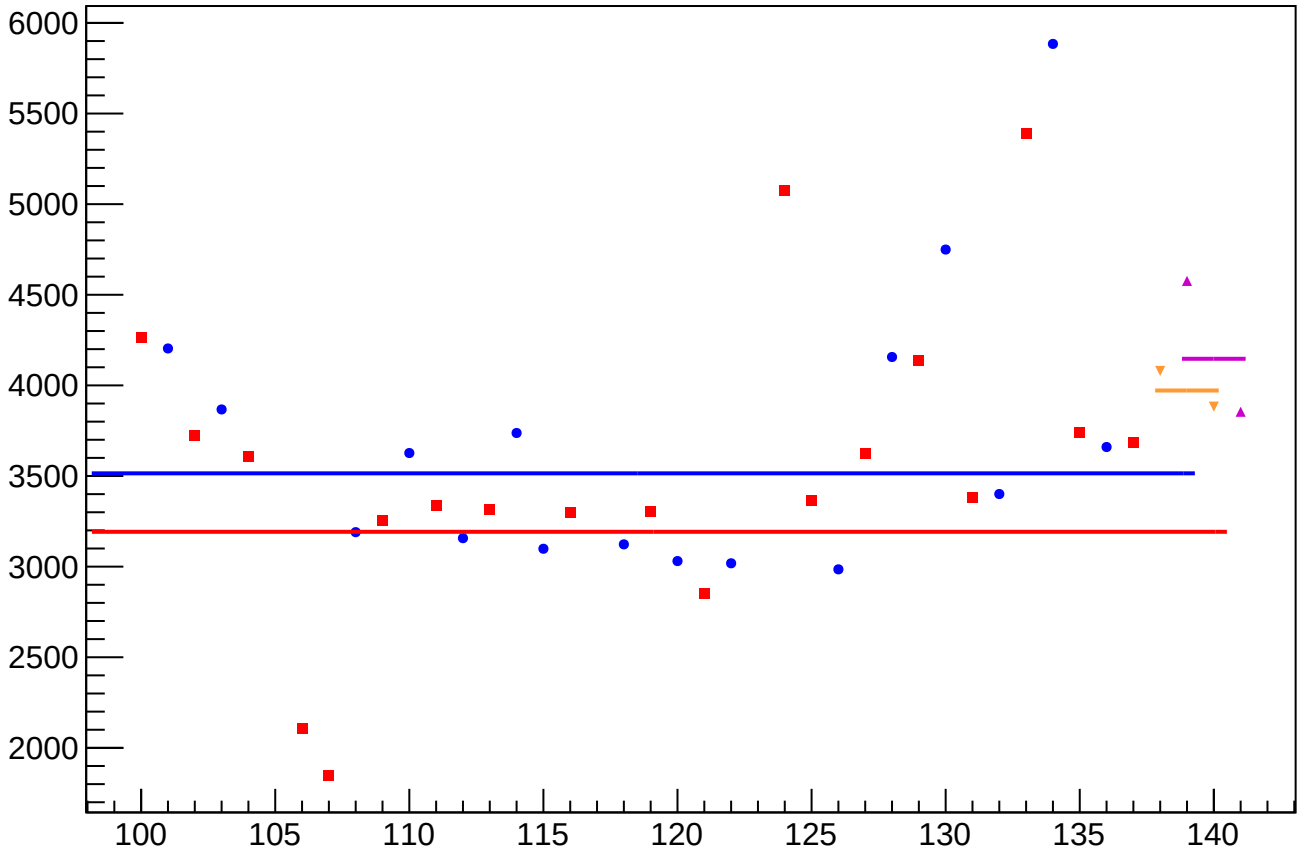
Left: -1093.222+/-2232.741 χ^2/NDF: 1.1/3

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 947.365+/-1224.586 χ^2/NDF:14.1/17

Out: -420.926+/-1121.029 χ^2/NDF:17.9/20

All: 202.929+/-826.878 χ^2/NDF: 32.7/38



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3971.806+/-2.222 χ^2/NDF:1950.9/1

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4146.807+/-2.244 χ^2/NDF:24942.3/1

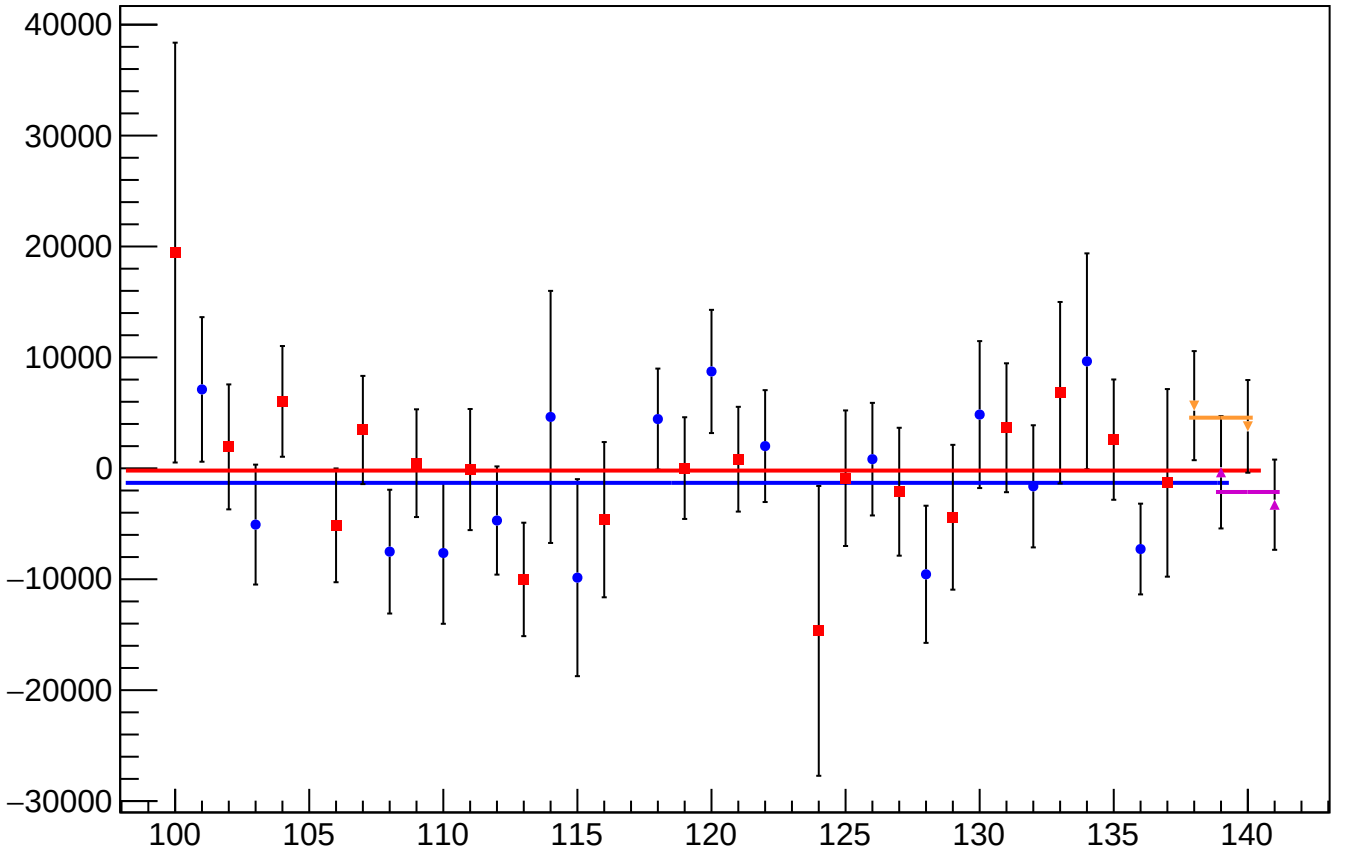
Left: 4058.432+/-1.579 χ^2/NDF: 29964.5/3

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3608.855+/-0.866 χ^2/NDF:467551.1/17

Out: 3291.444+/-0.793 χ^2/NDF:881911.5/20

All: 3436.163+/-0.585 χ^2/NDF: 1422567.6/38



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 4566.386+/-3184.192 χ^2/NDF:0.1/1

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -2133.541+/-3171.289 χ^2/NDF:0.2/1

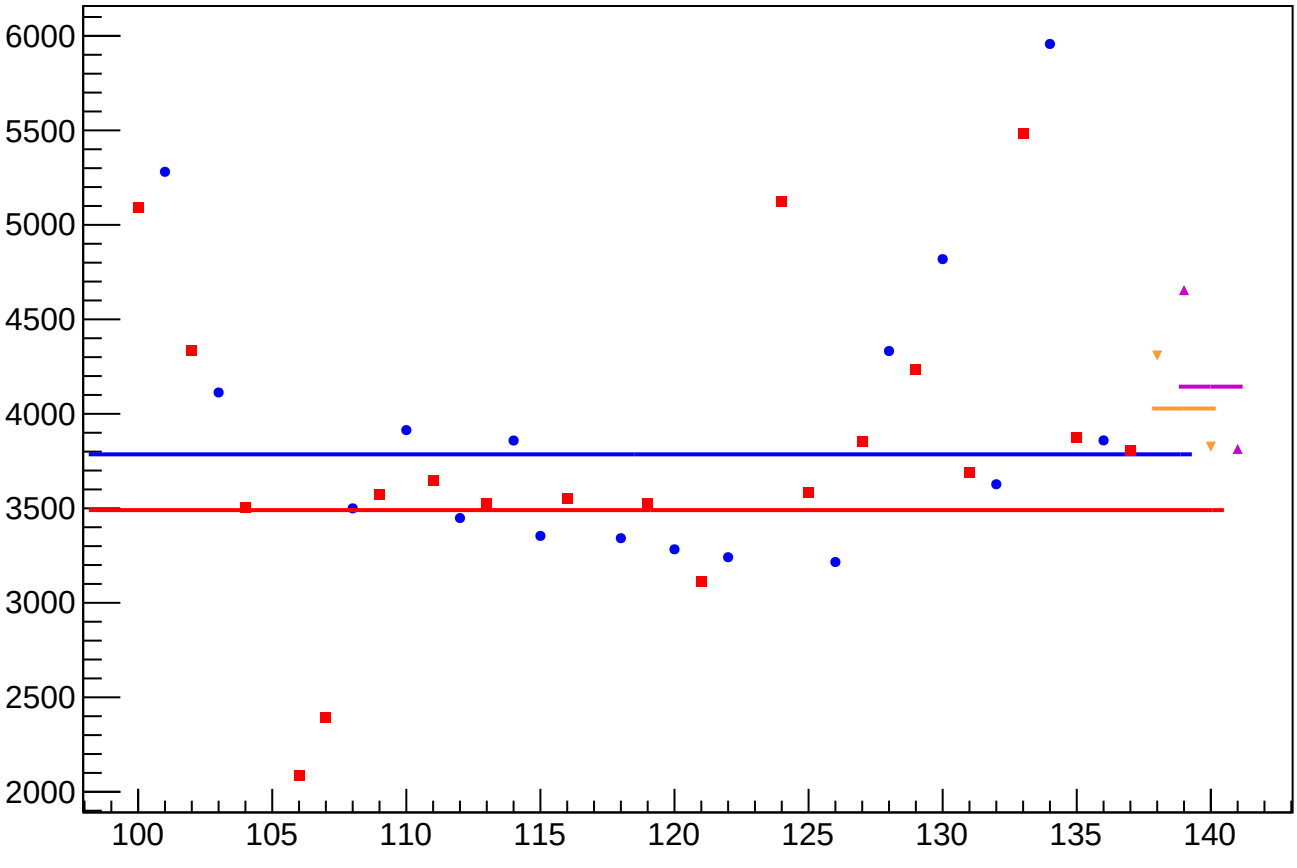
Left: 1202.820+/-2246.988 χ^2/NDF: 2.5/3

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -1448.878+/-1304.828 χ^2/NDF:17.8/17

Out: 512.180+/-1232.005 χ^2/NDF:13.6/20

All: -412.100+/-895.798 χ^2/NDF: 32.7/38



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4028.365+/-2.252 χ^2/NDF:11164.6/1

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4143.971+/-2.242 χ^2/NDF:33477.9/1

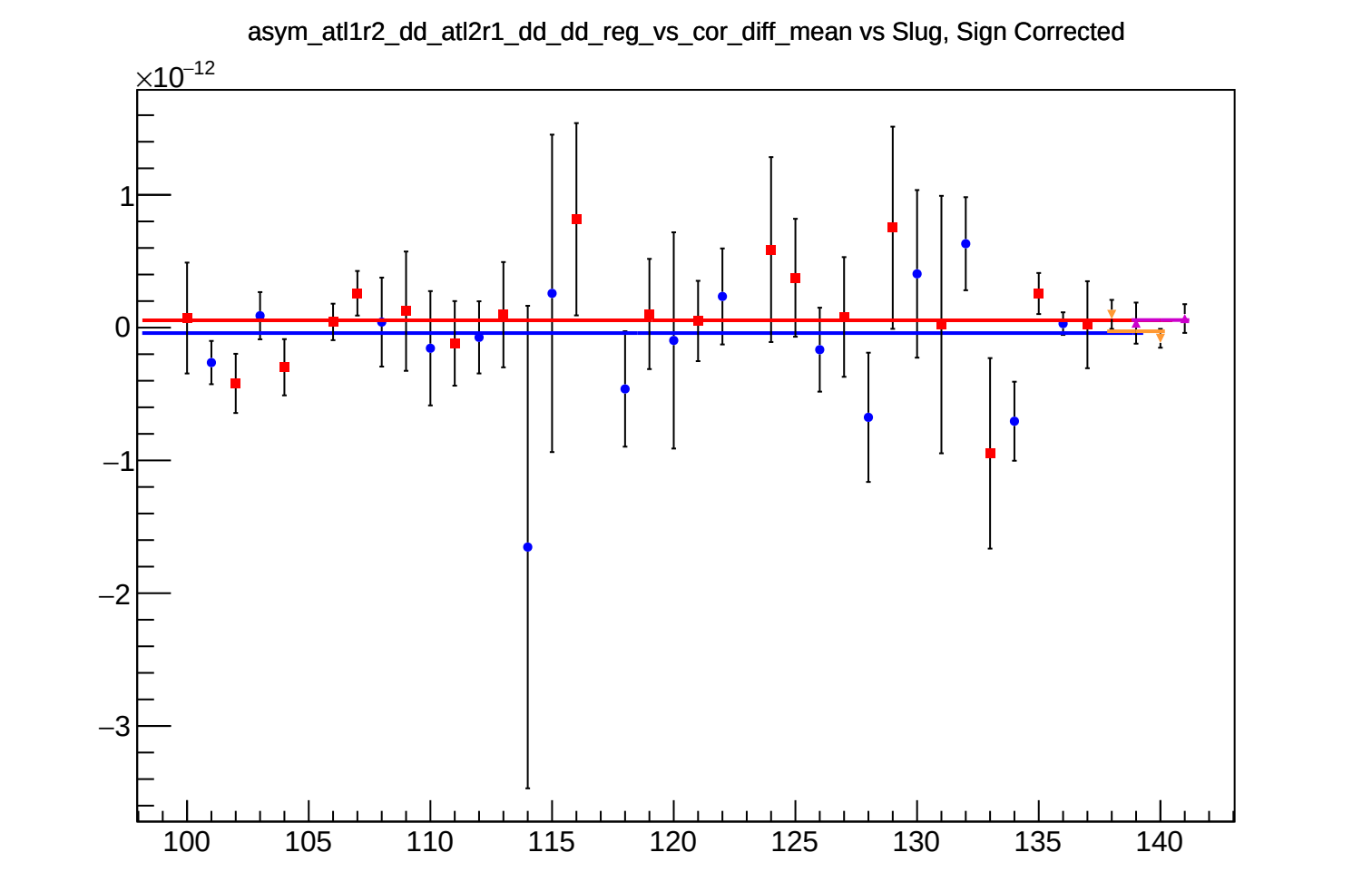
Left: 4086.403+/-1.589 χ^2/NDF: 45966.0/3

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3846.413+/-0.923 χ^2/NDF:437666.8/17

Out: 3569.255+/-0.861 χ^2/NDF:646579.8/20

All: 3698.271+/-0.629 χ^2/NDF: 1132478.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

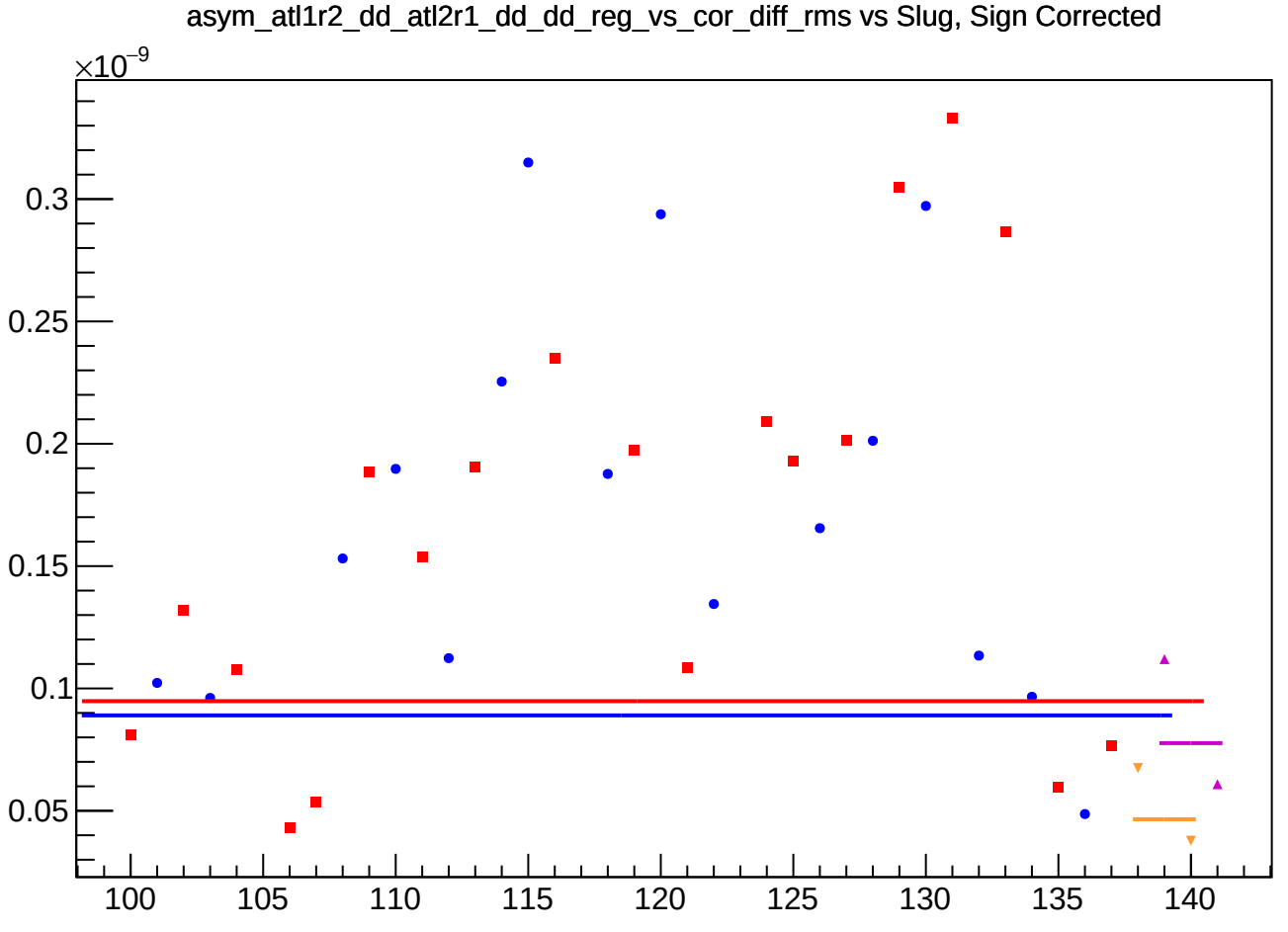
Left: -0.000+/-0.000 χ^2/NDF: 2.6/3

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:17.5/17

Out: 0.000+/-0.000 χ^2/NDF:18.7/20

All: 0.000+/-0.000 χ^2/NDF: 36.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:103730.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:146700.5/1

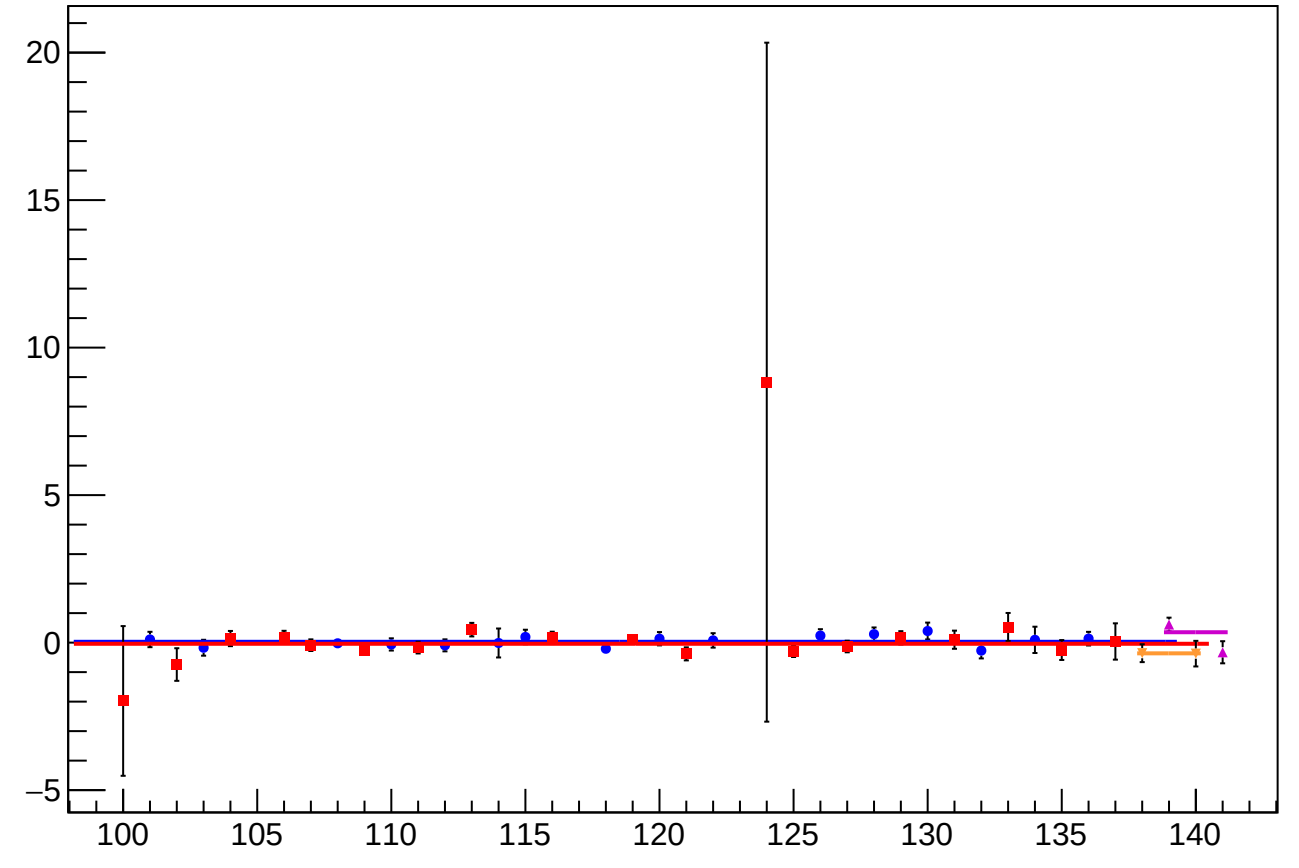
Left: 0.000+/-0.000 χ^2/NDF: 420555.6/3

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1630065.3/17

Out: 0.000+/-0.000 χ^2/NDF:2449683.3/20

All: 0.000+/-0.000 χ^2/NDF: 4207660.4/38



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

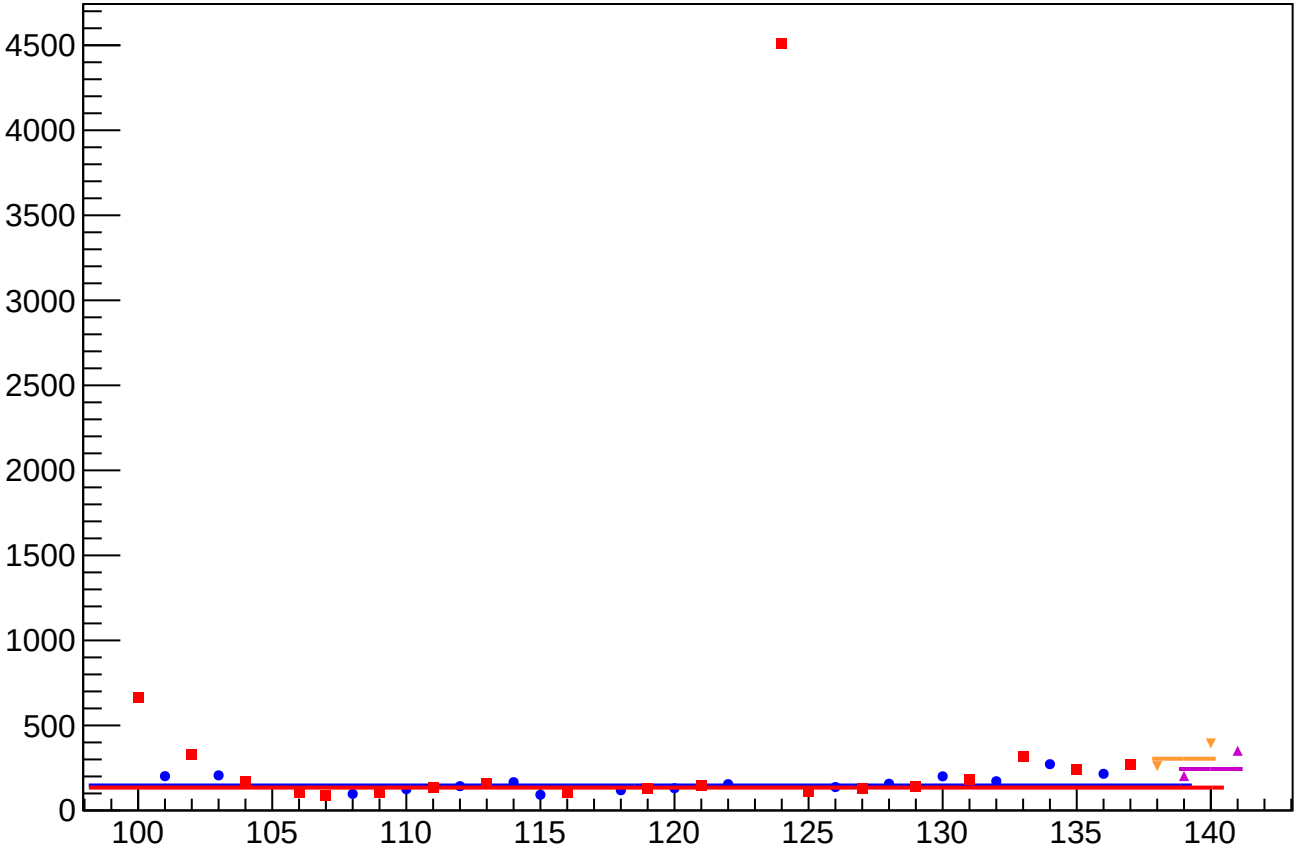
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

Left: 267.275+/-0.109 χ^2/NDF: 426951.7/3

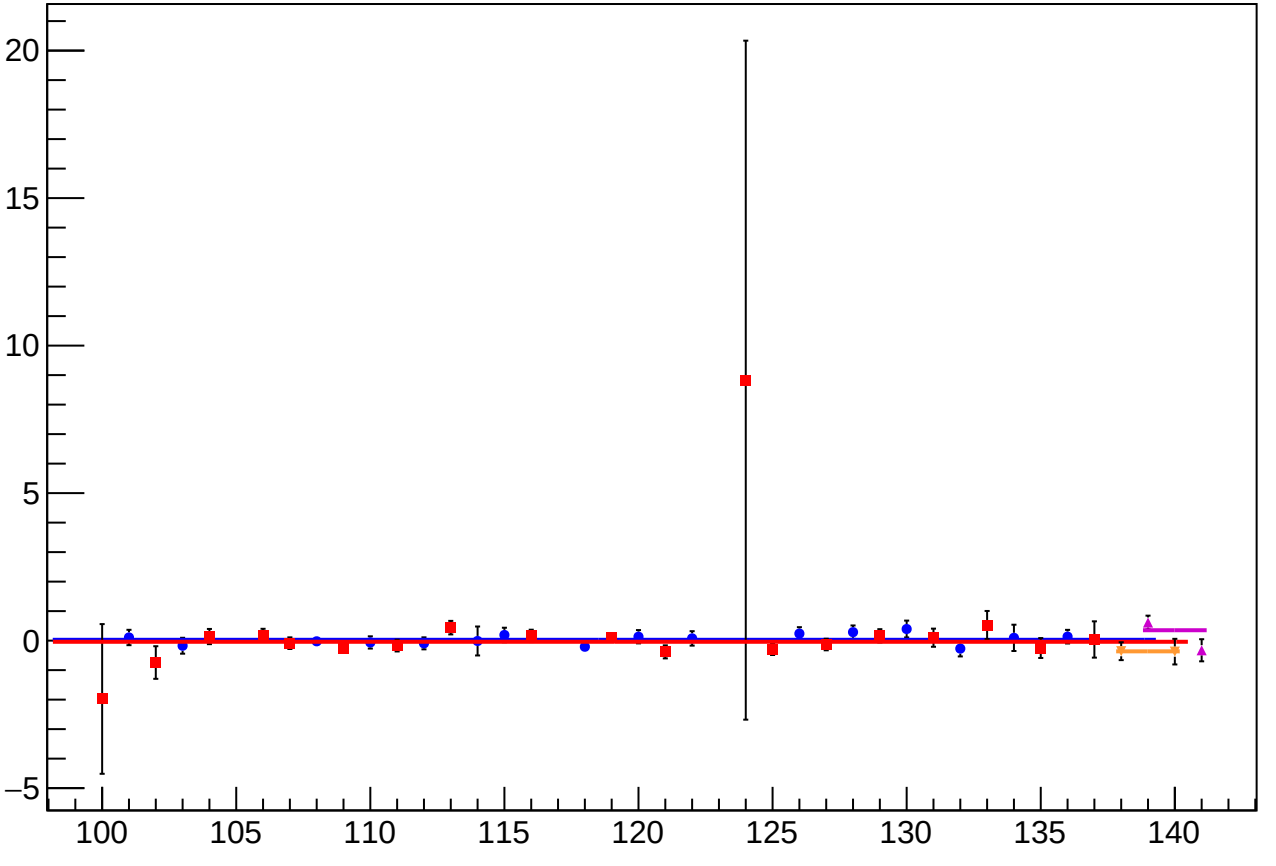
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344358.7/38

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

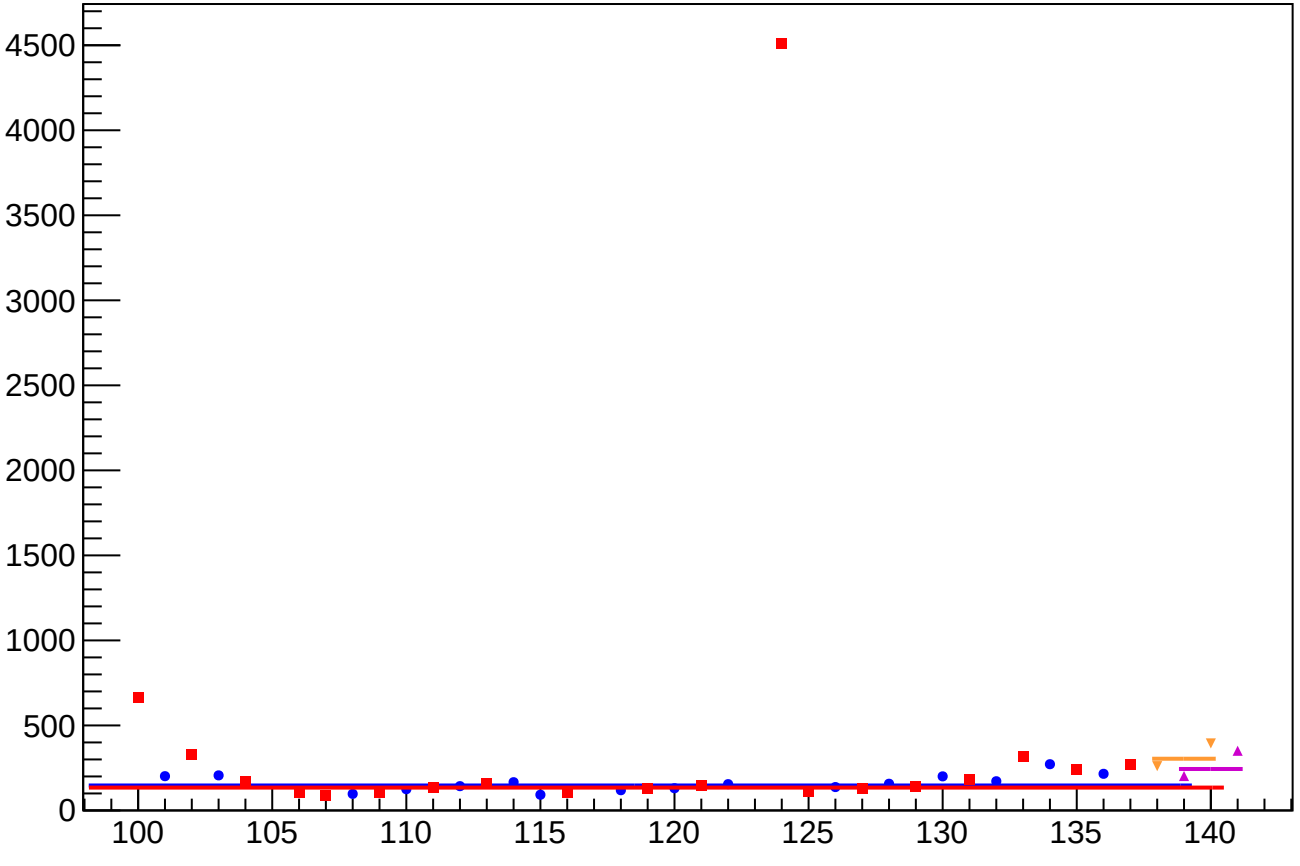
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 304.199+/-0.175 χ^2/NDF:127821.7/1

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

Left: 267.275+/-0.109 χ^2/NDF: 426951.7/3

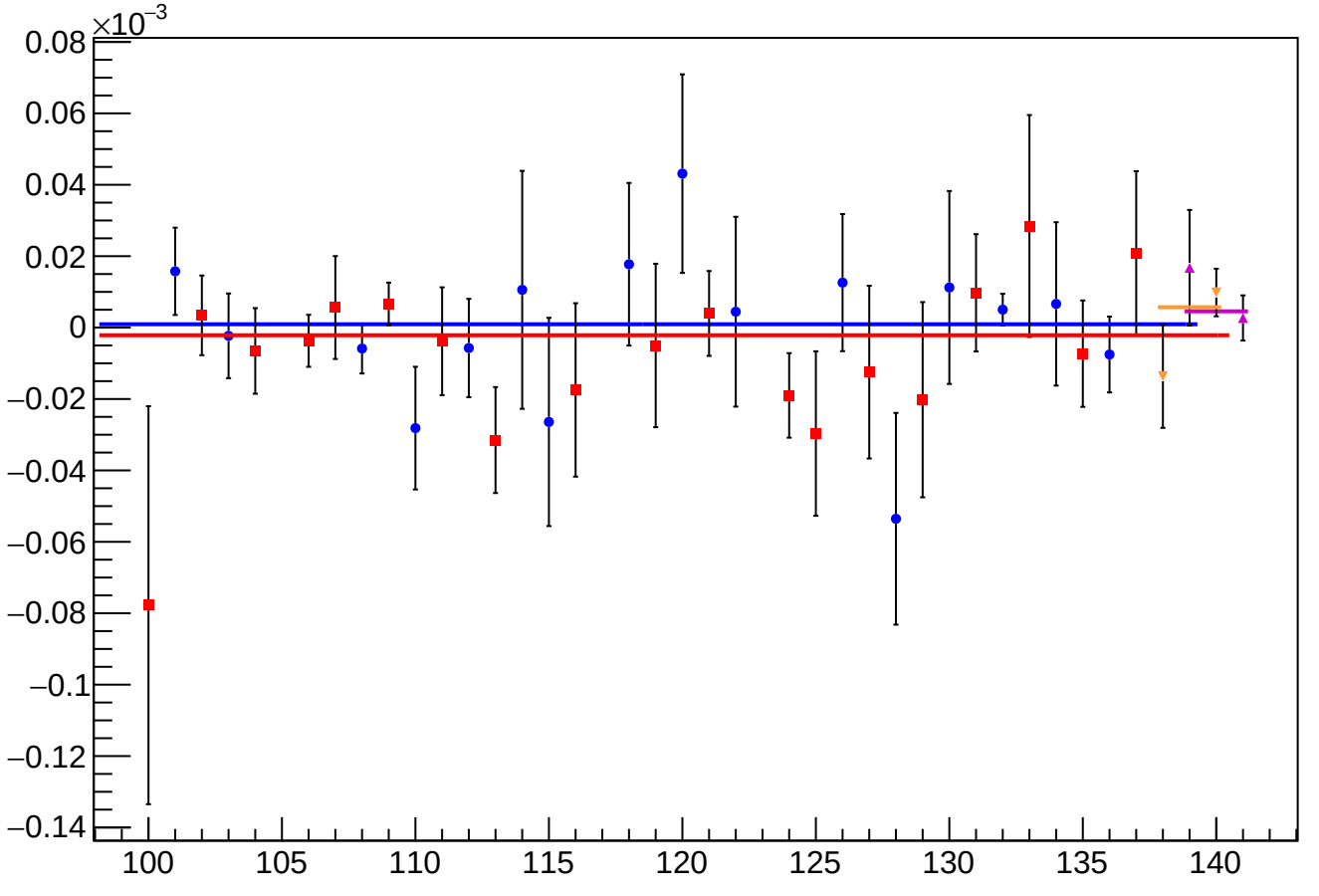
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 142.389+/-0.038 χ^2/NDF:2625913.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344358.7/38

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

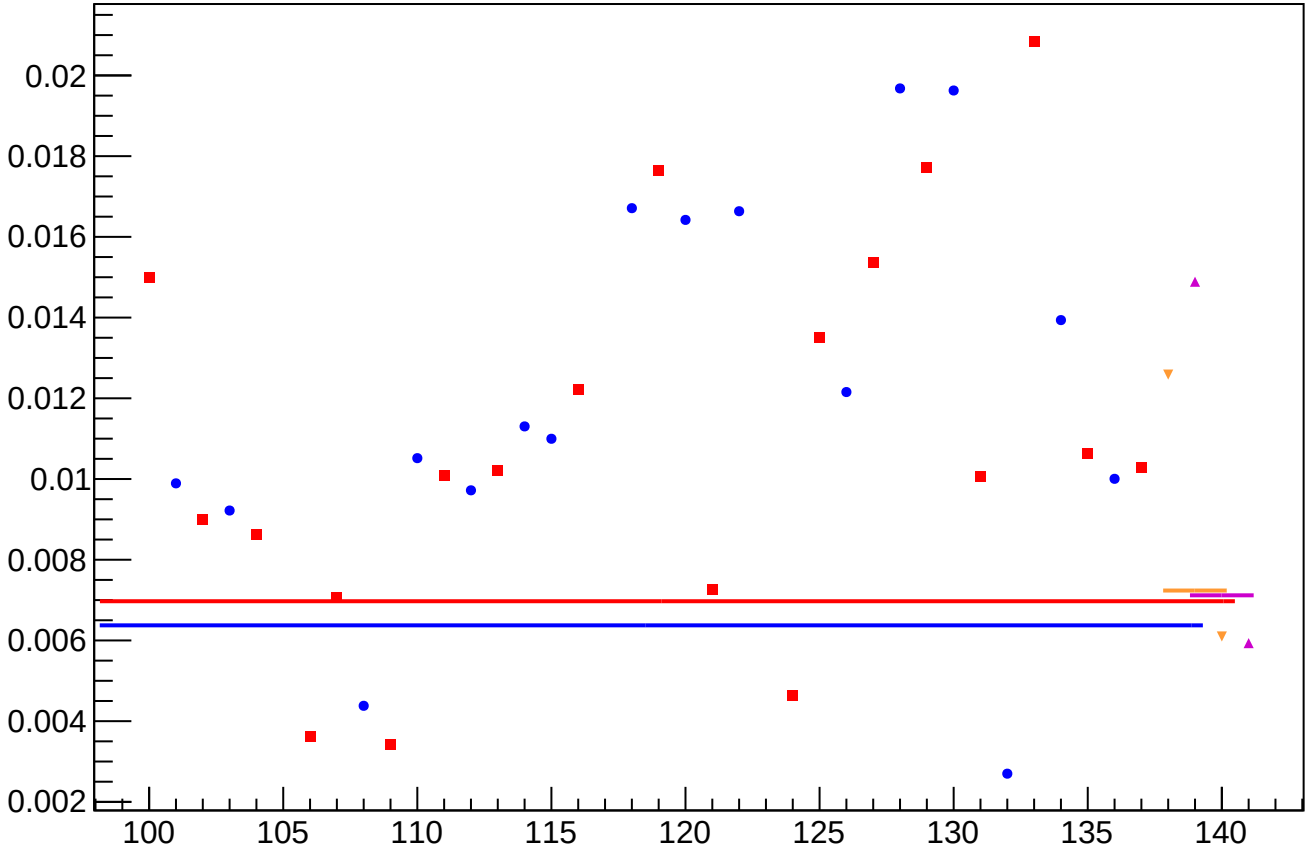
Left: 0.000+/-0.000 χ^2/NDF: 2.8/3

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:15.8/17

Out: -0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 35.7/38



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:332465.0/1

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:530472.1/1

Left: 0.007+/-0.000 χ^2/NDF: 863330.2/3

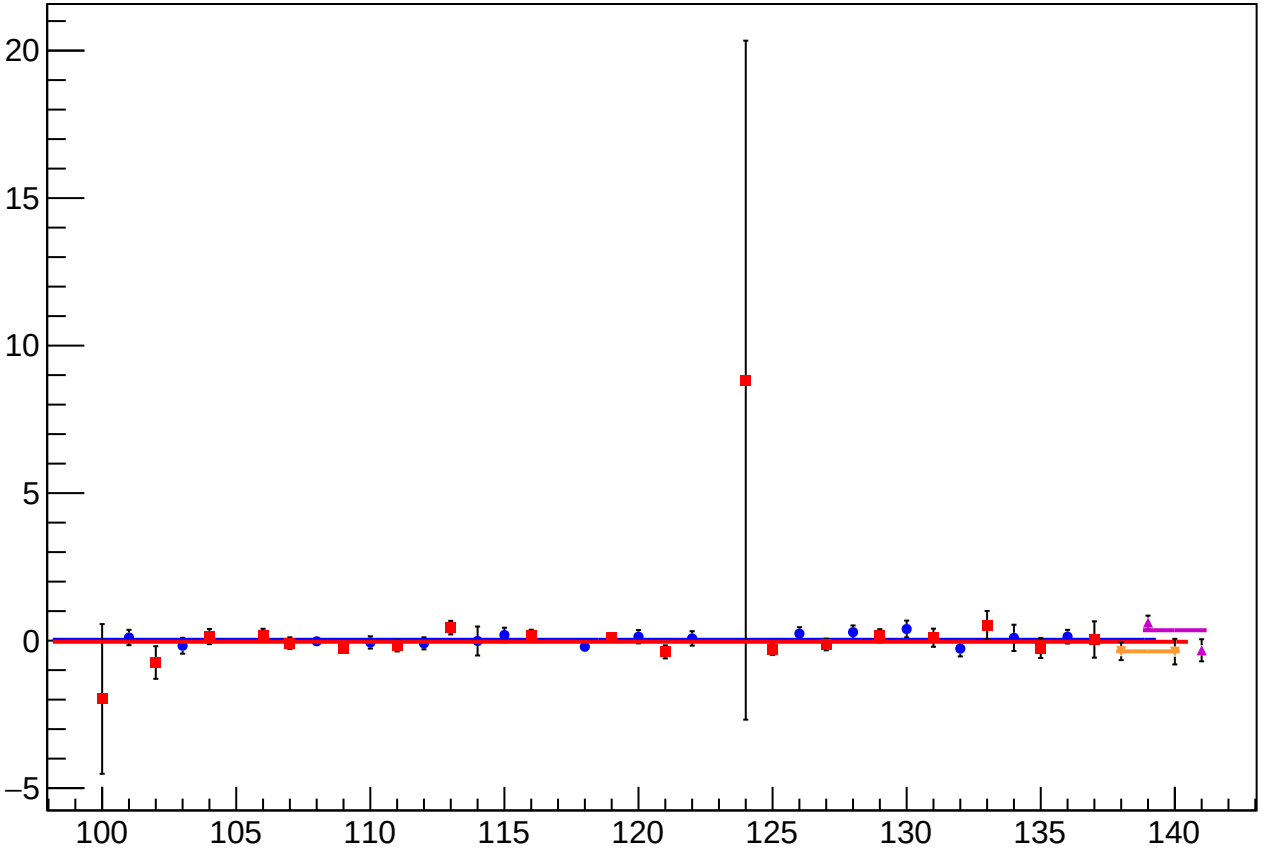
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5195831.4/17

Out: 0.007+/-0.000 χ^2/NDF:3745475.8/20

All: 0.007+/-0.000 χ^2/NDF: 8977044.0/38

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

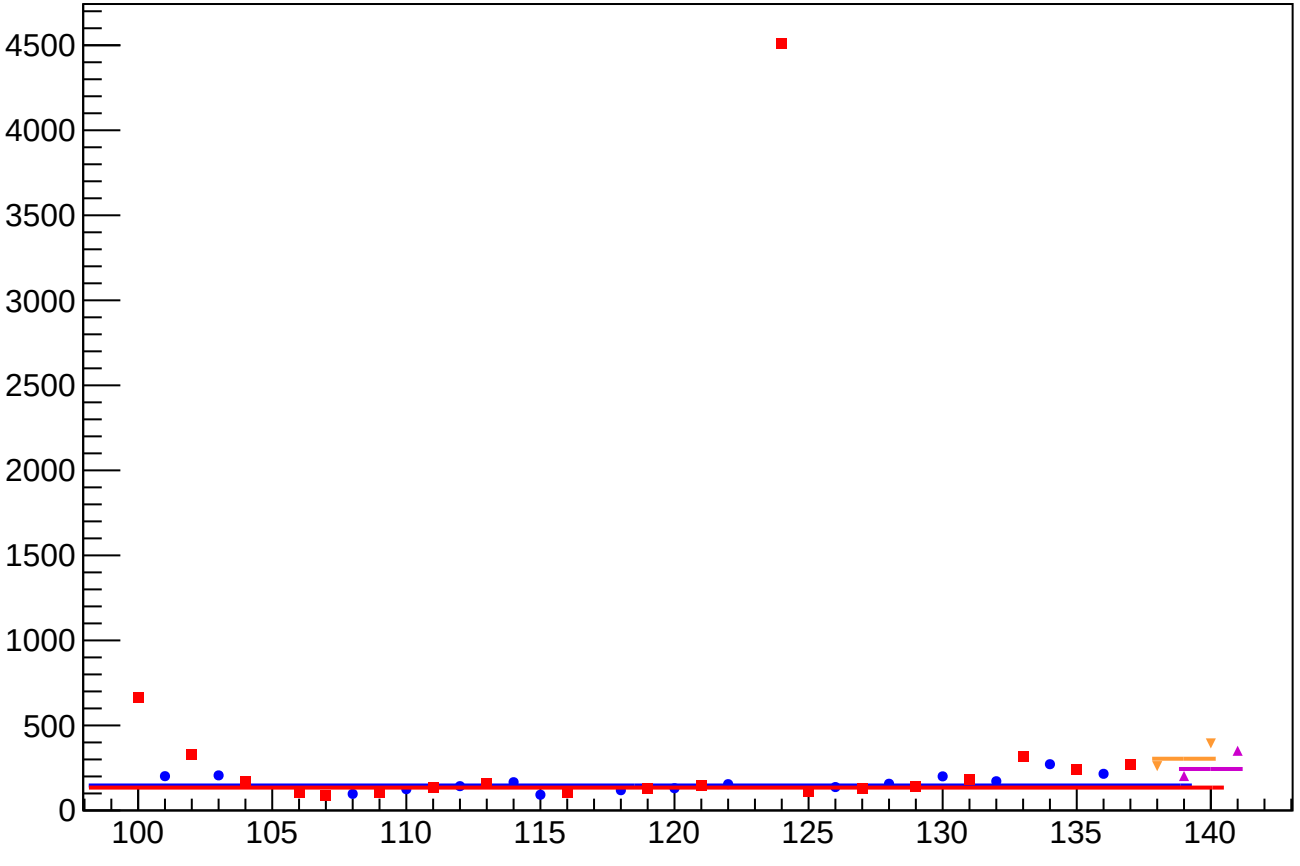
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

Left: 267.279+/-0.109 χ^2/NDF: 426930.2/3

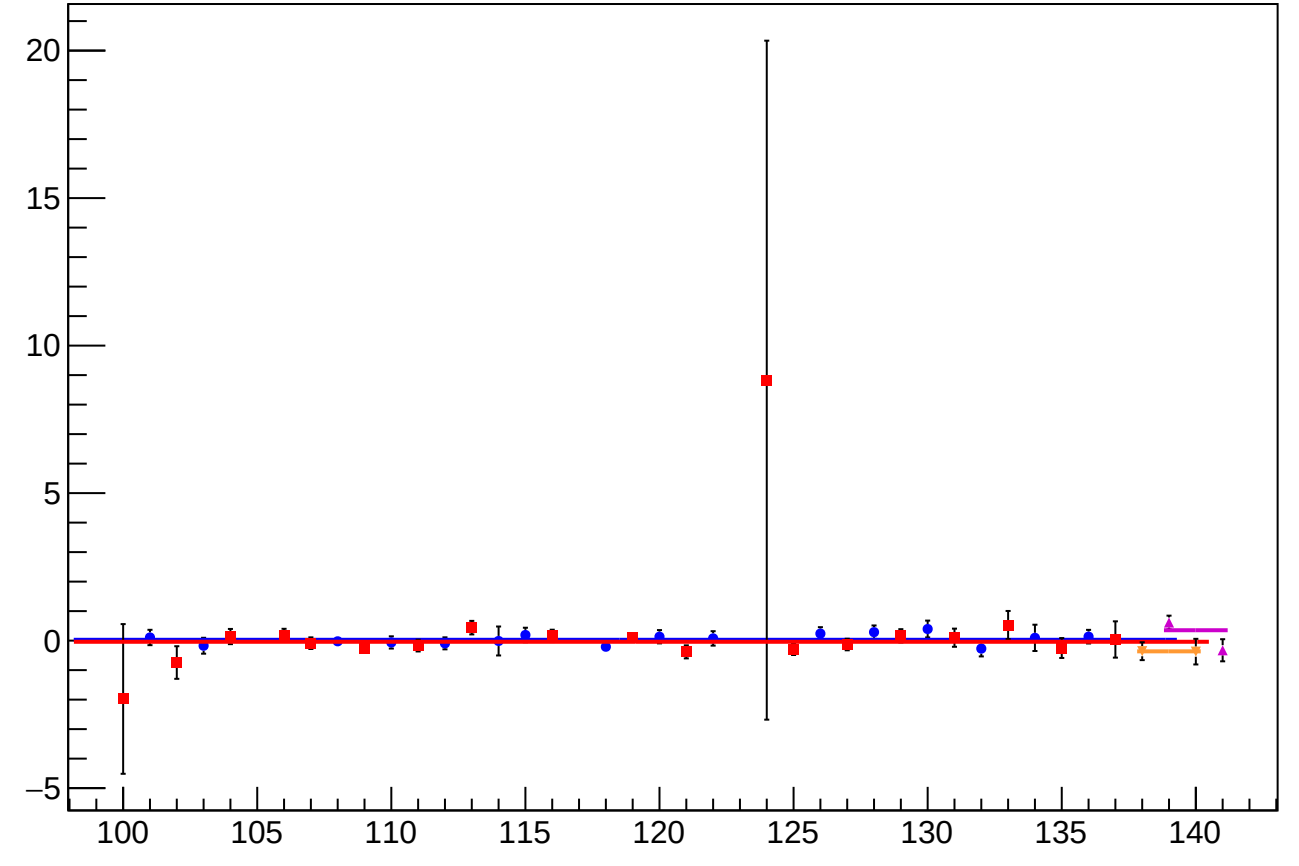
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344233.6/38

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.363+/-0.248 χ^2/NDF:0.0/1

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.352+/-0.198 χ^2/NDF:4.5/1

Left: 0.074+/-0.155 χ^2/NDF: 9.6/3

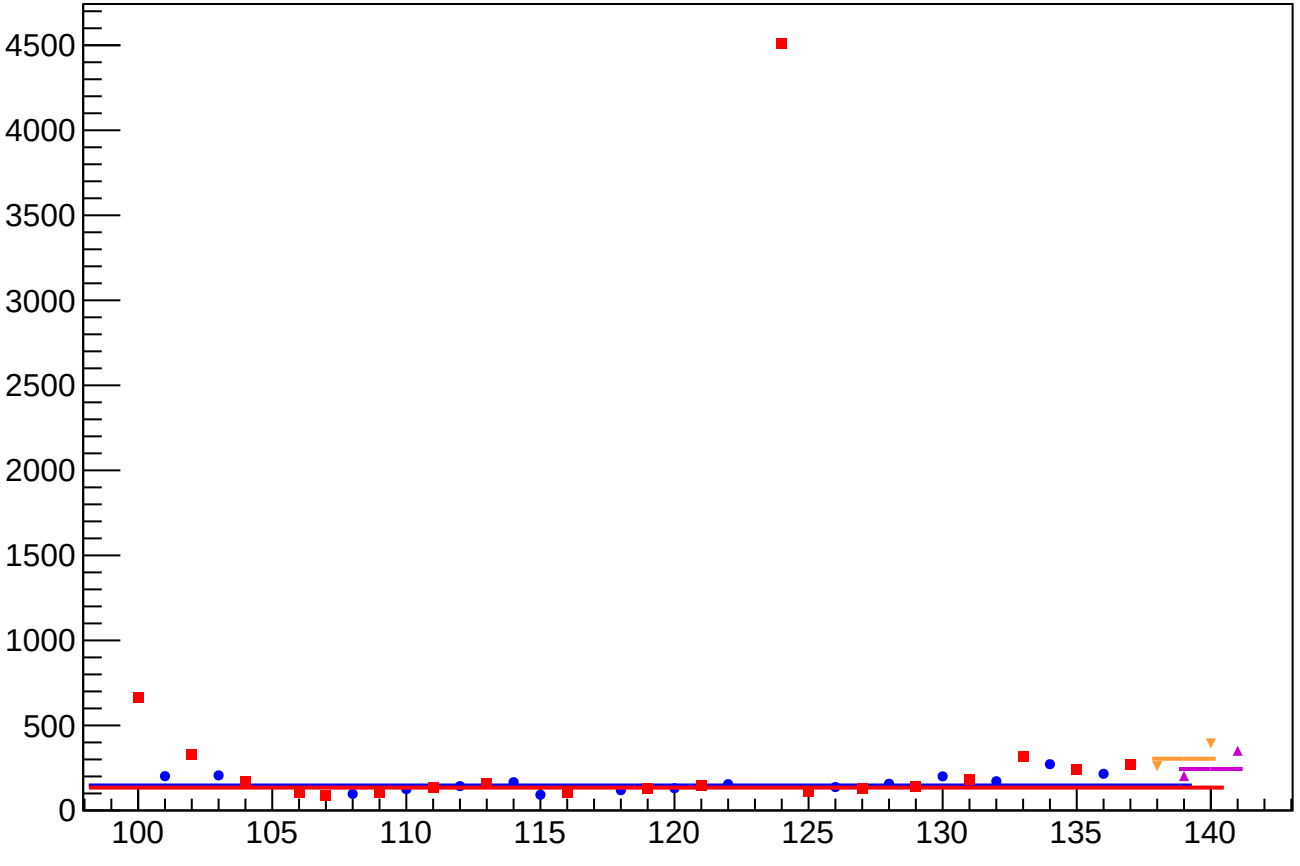
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.054+/-0.053 χ^2/NDF:21.6/20

All: -0.002+/-0.038 χ^2/NDF: 40.1/38

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 304.203+/-0.175 χ^2/NDF:127816.8/1

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

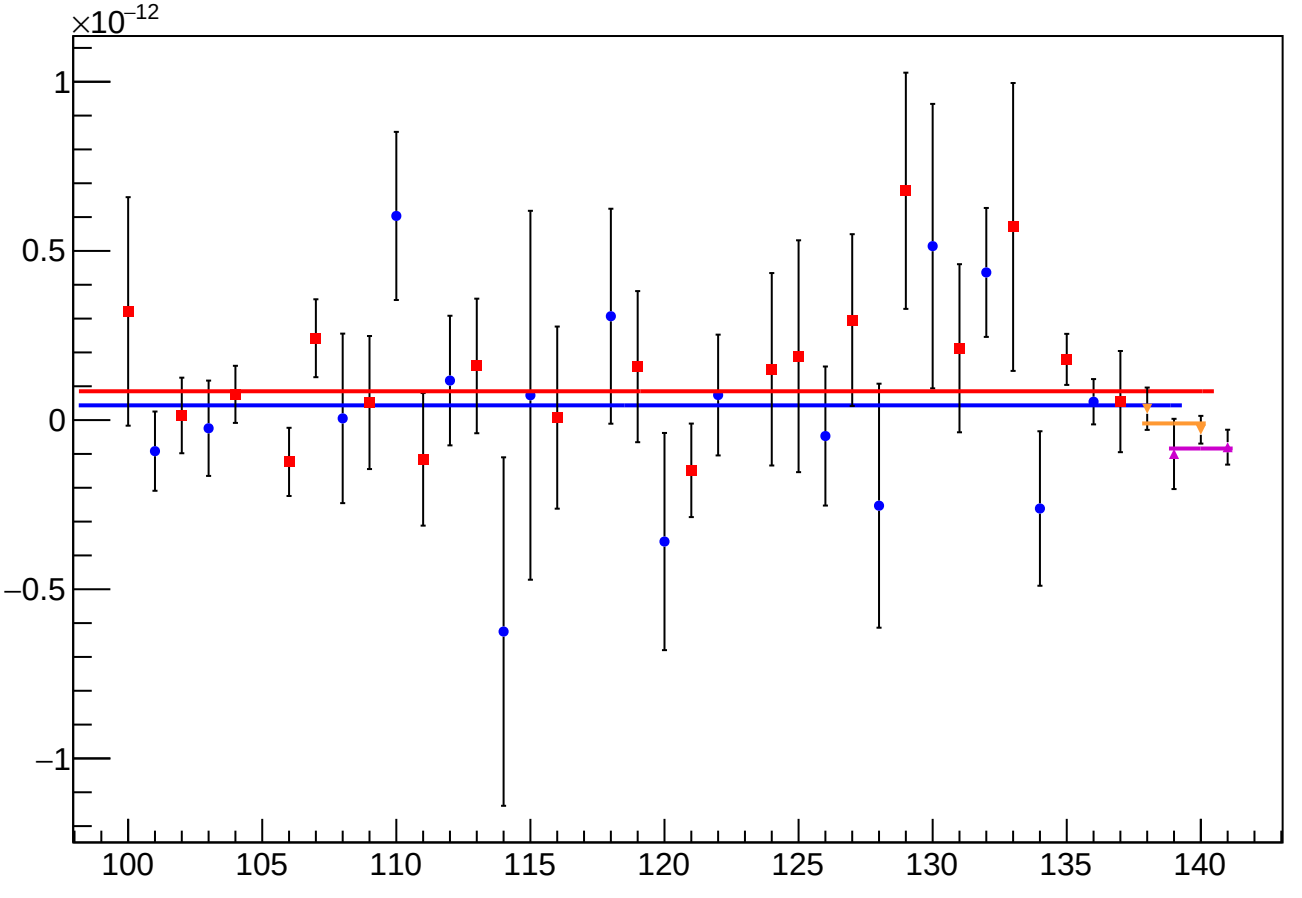
Left: 267.279+/-0.109 χ^2/NDF: 426930.2/3

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 142.390+/-0.038 χ^2/NDF:2625841.6/20

All: 148.208+/-0.027 χ^2/NDF: 4344233.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

Left: -0.000+/-0.000 χ^2/NDF: 2.4/3

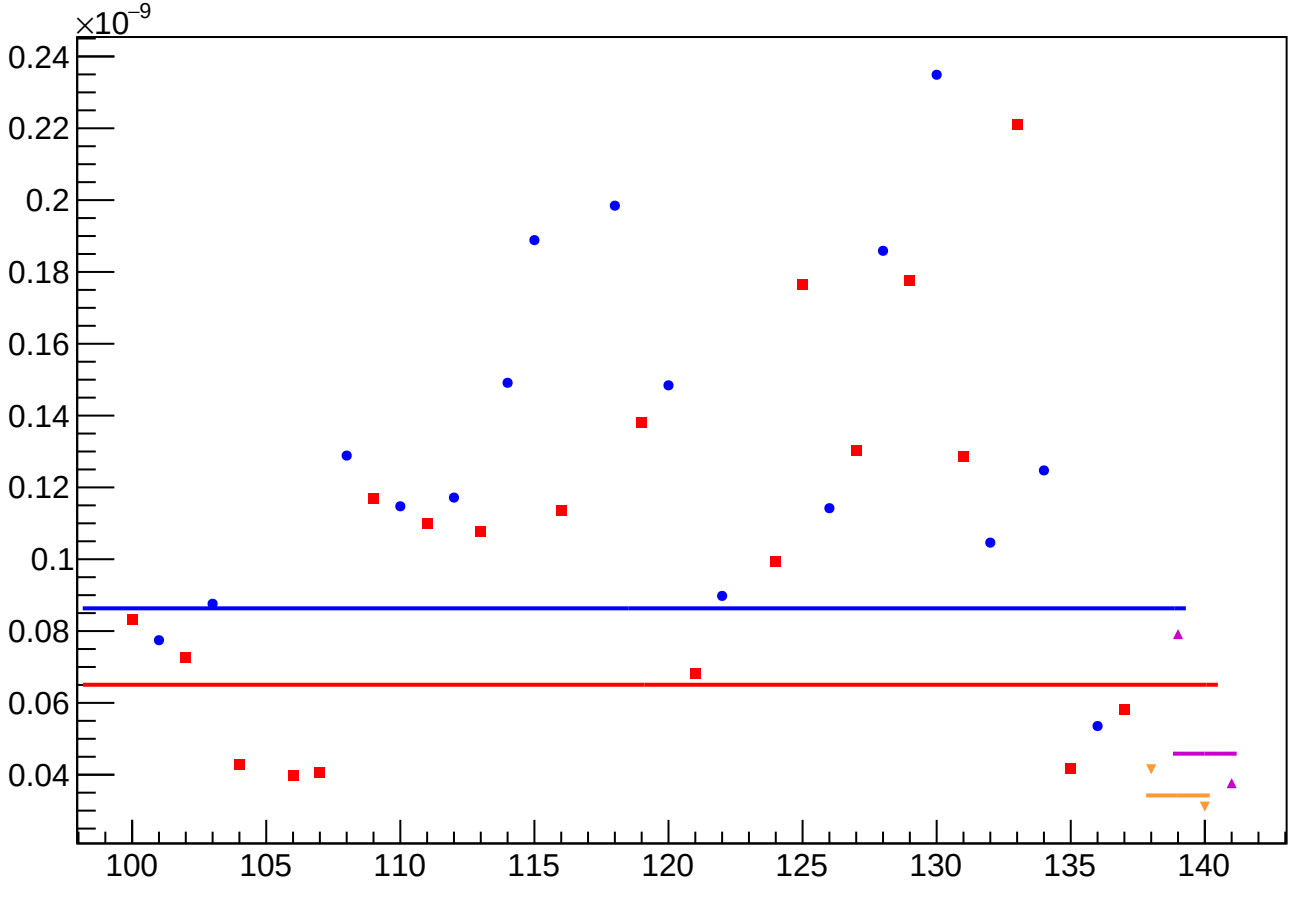
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:23.1/17

Out: 0.000+/-0.000 χ^2/NDF:22.7/20

All: 0.000+/-0.000 χ^2/NDF: 47.7/38

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:38834.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:256625.8/1

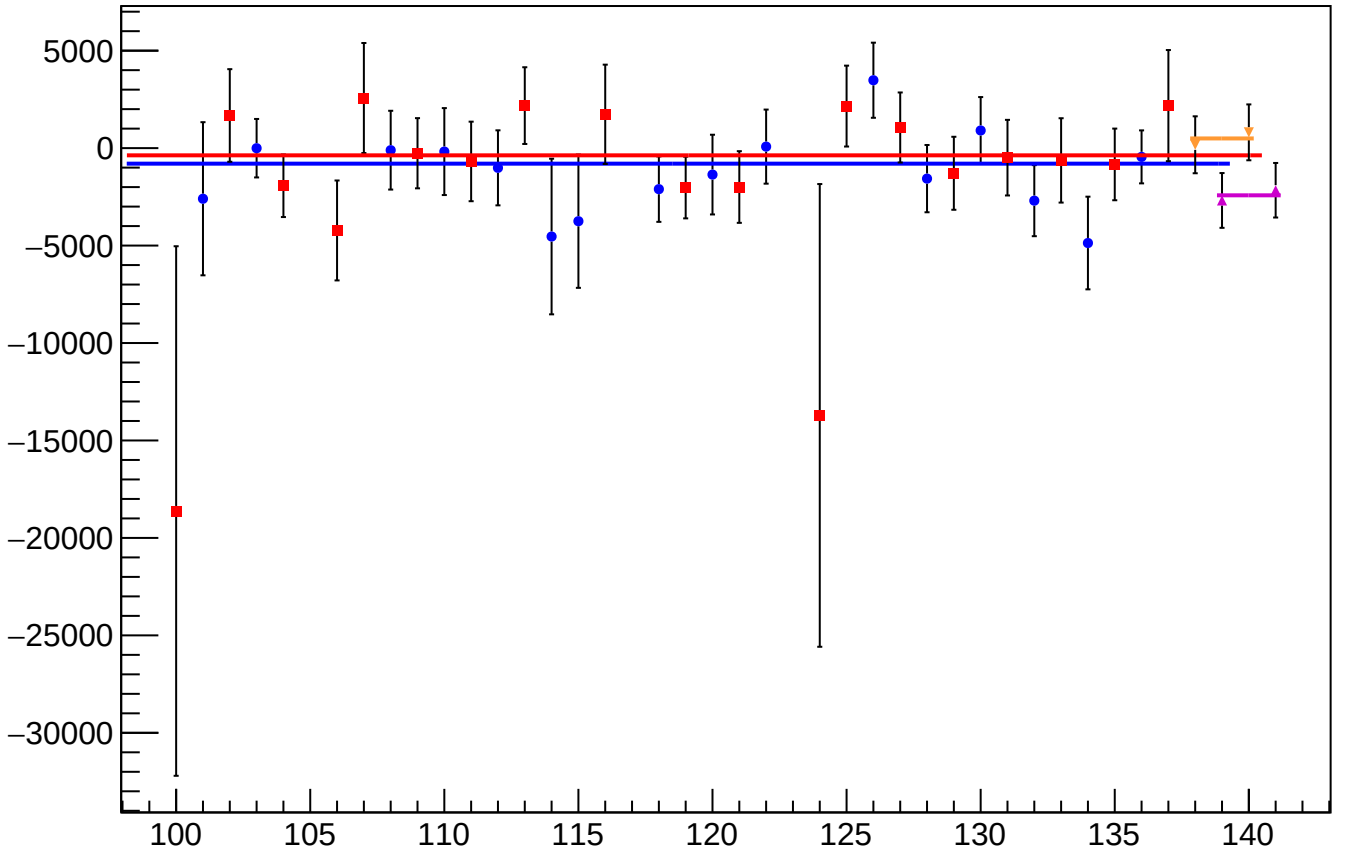
Left: 0.000+/-0.000 χ^2/NDF: 377428.1/3

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2649362.1/17

Out: 0.000+/-0.000 χ^2/NDF:3007864.6/20

All: 0.000+/-0.000 χ^2/NDF: 6070234.1/38



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 496.407+/-1023.076 χ^2/NDF:0.1/1

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -2421.580+/-991.779 χ^2/NDF:0.1/1

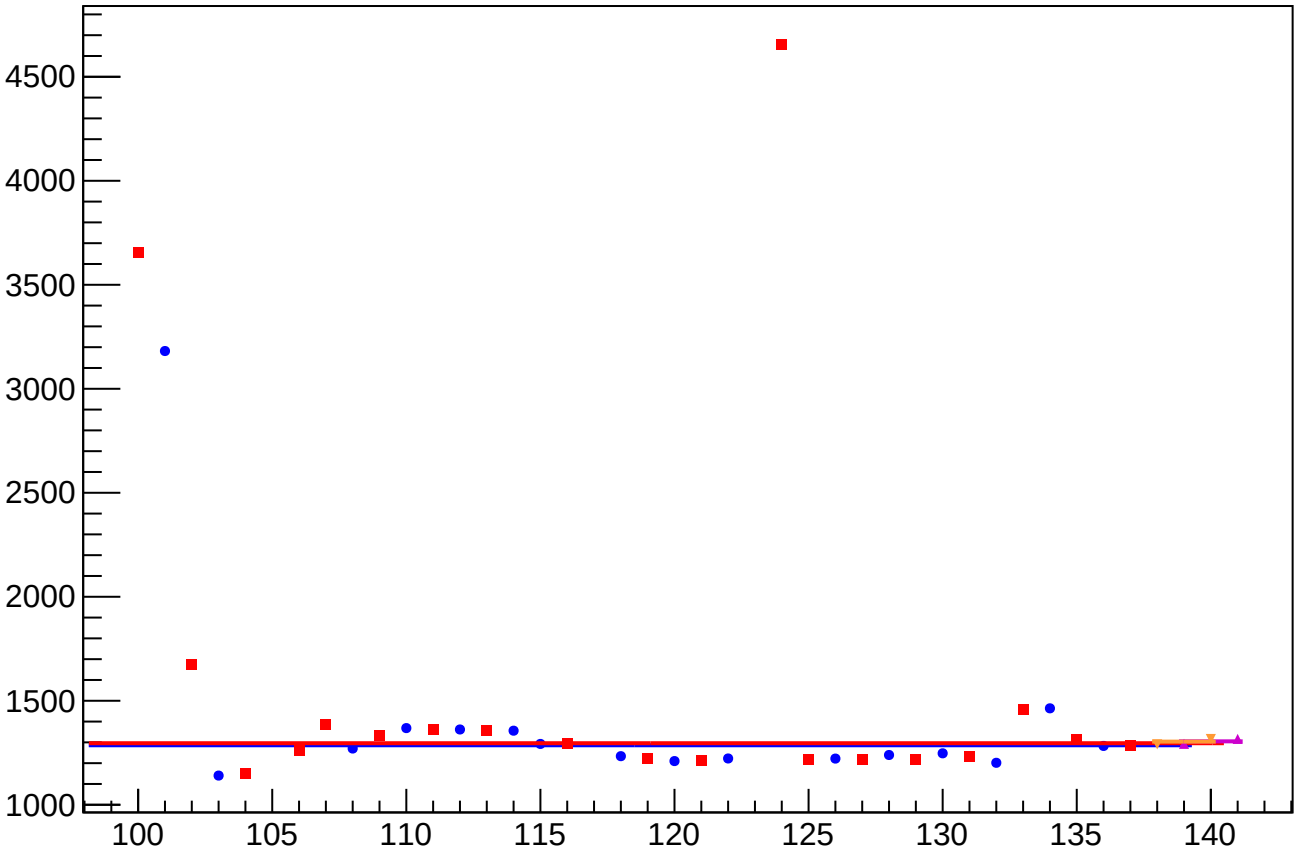
Left: -1007.902+/-712.101 χ^2/NDF: 4.4/3

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -1113.317+/-437.470 χ^2/NDF:15.6/17

Out: -210.584+/-438.858 χ^2/NDF:16.3/20

All: -663.381+/-309.827 χ^2/NDF: 34.1/38



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

Left: 1304.276+/-0.504 χ^2/NDF: 607.3/3

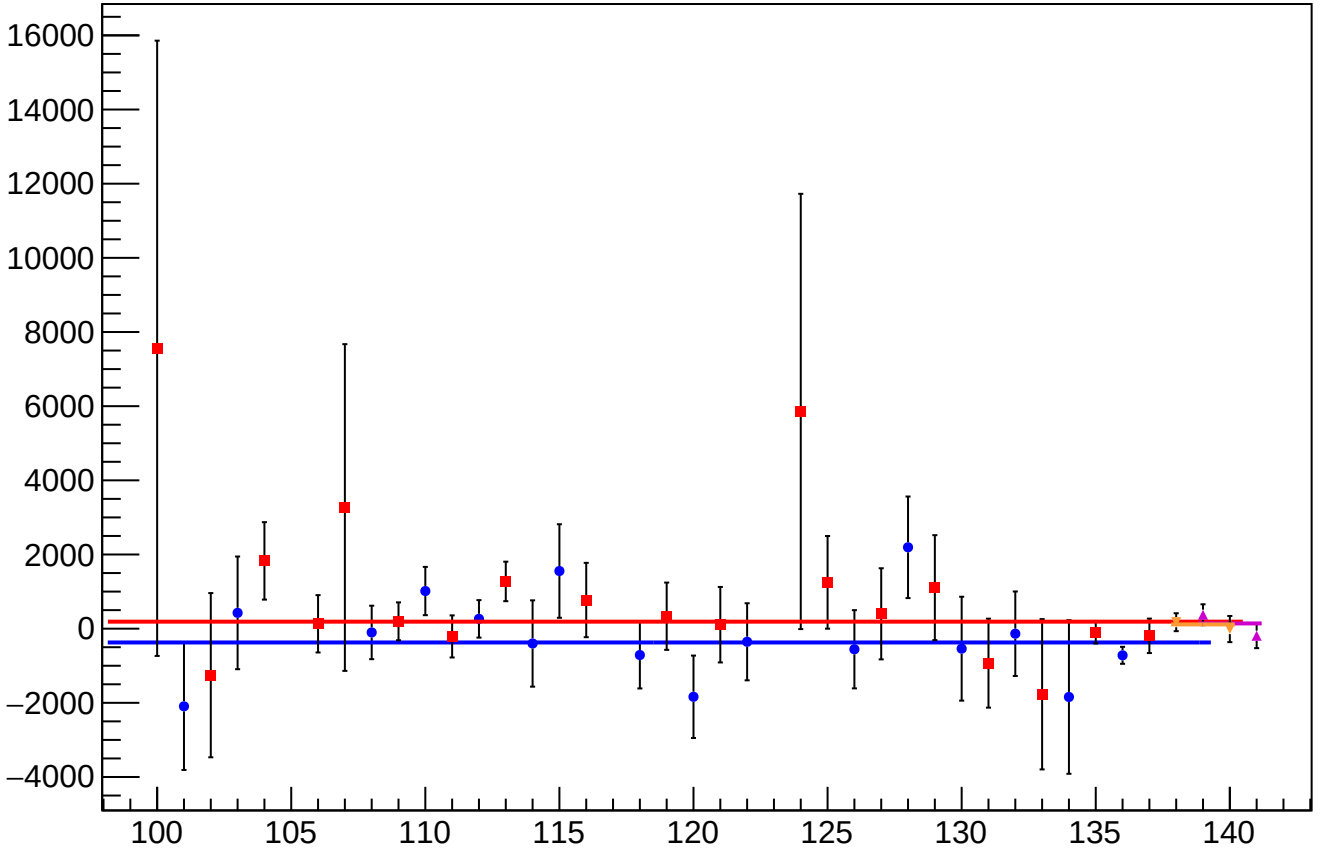
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1289.759+/-0.309 χ^2/NDF:518995.4/17

Out: 1297.351+/-0.310 χ^2/NDF:328478.4/20

All: 1293.543+/-0.219 χ^2/NDF: 847774.0/38

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 115.367+/-199.294 χ^2/NDF:0.2/1

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 140.955+/-215.928 χ^2/NDF:1.7/1

Left: 127.137+/-146.450 χ^2/NDF: 1.9/3

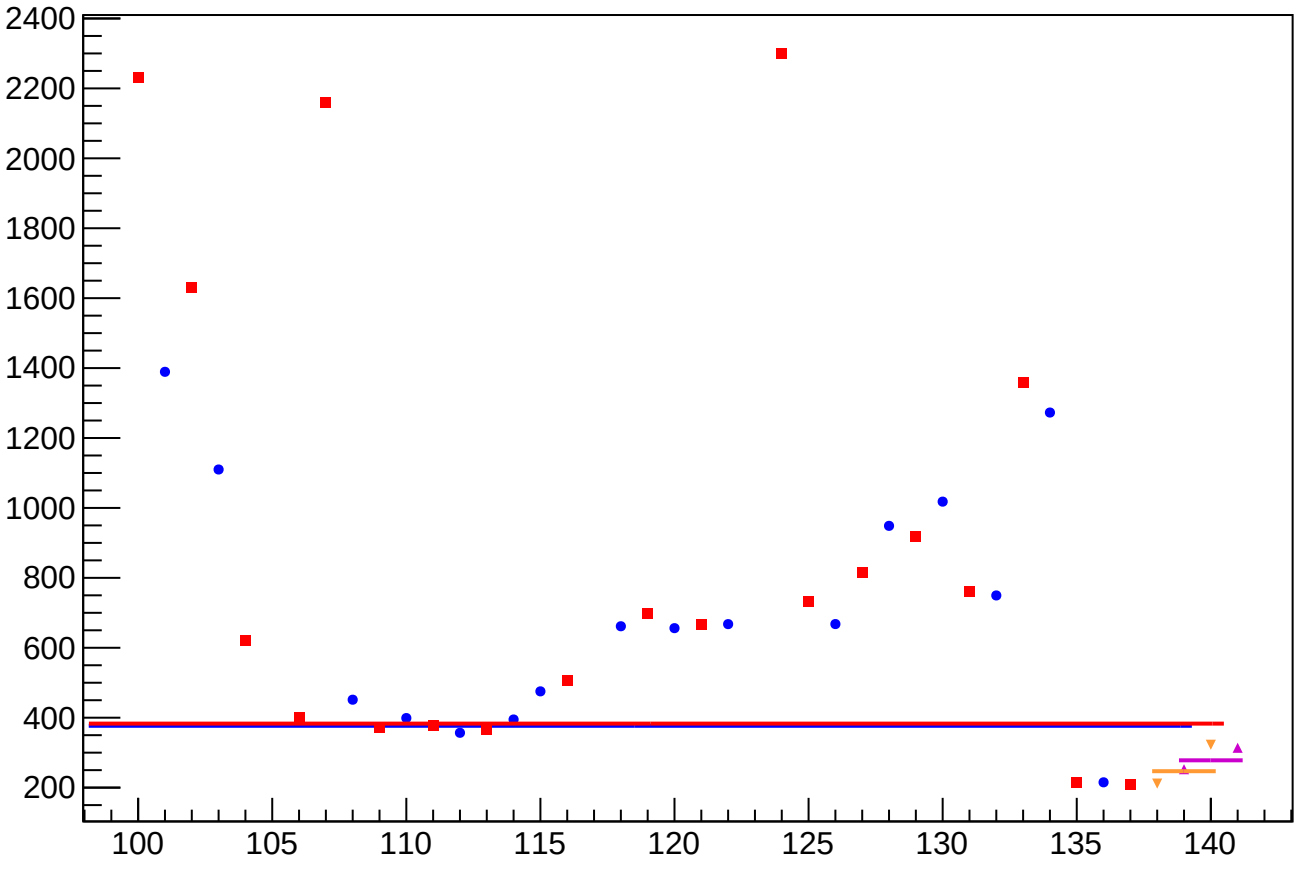
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -178.486+/-132.695 χ^2/NDF:23.3/17

Out: 158.046+/-129.150 χ^2/NDF:14.9/20

All: -5.665+/-92.551 χ^2/NDF: 41.5/38

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 246.956+/-0.141 χ^2/NDF:135028.7/1

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 278.092+/-0.153 χ^2/NDF:39183.4/1

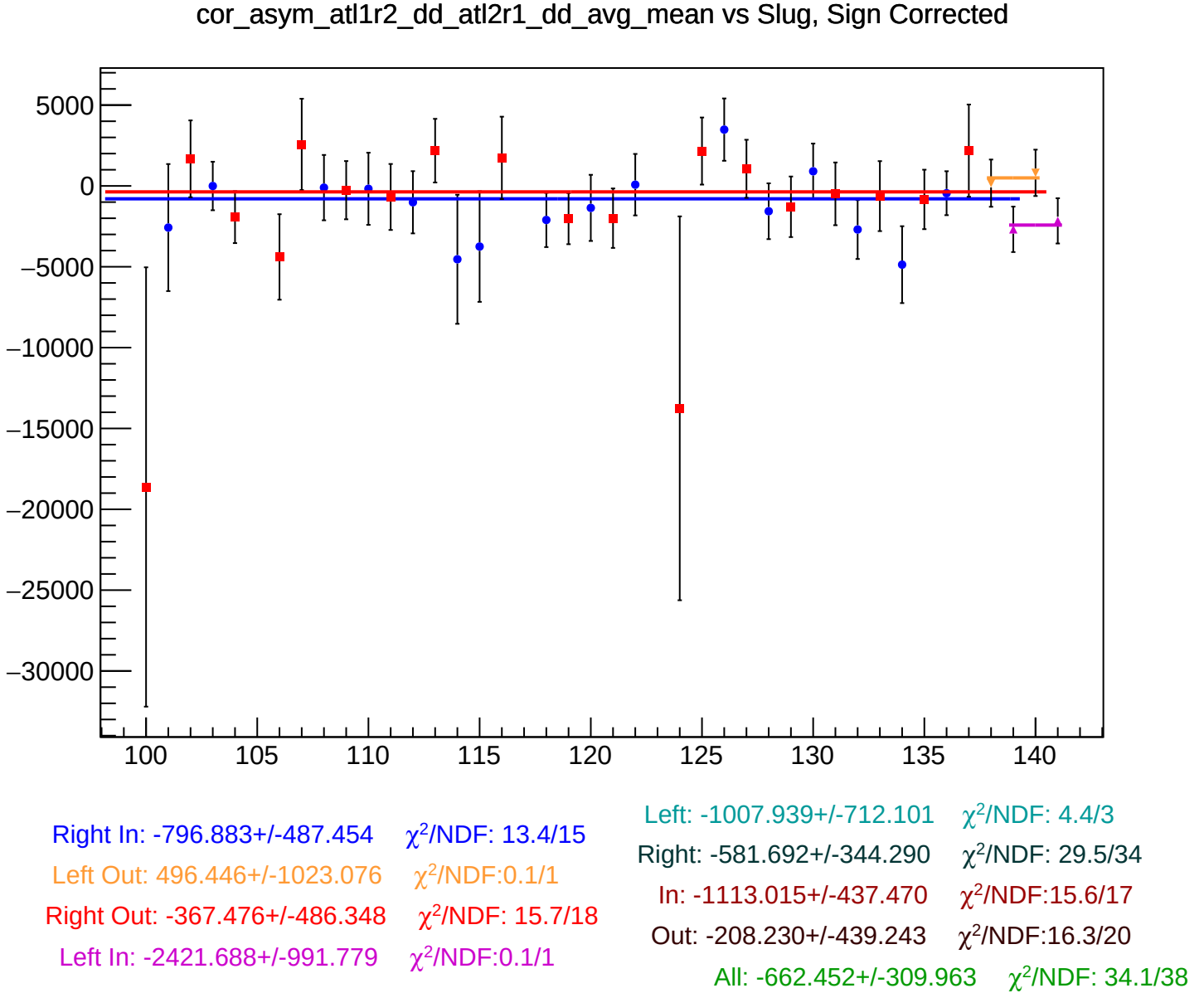
Left: 261.279+/-0.104 χ^2/NDF: 196667.1/3

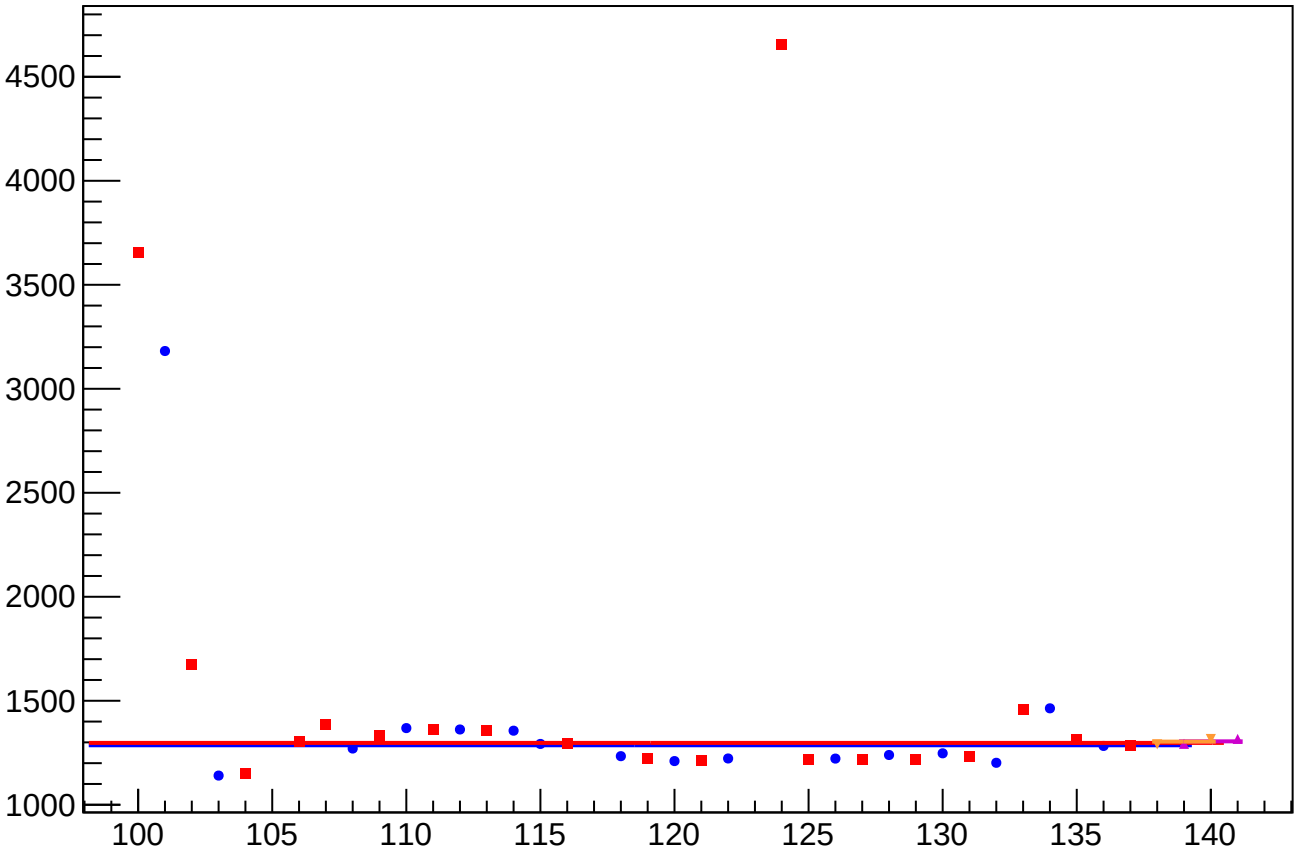
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 339.581+/-0.094 χ^2/NDF:4489974.5/17

Out: 325.911+/-0.091 χ^2/NDF:4730321.2/20

All: 332.561+/-0.065 χ^2/NDF: 9231195.6/38


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 496.446+/-1023.076 χ²/NDF:0.1/1
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -2421.688+/-991.779 χ²/NDF:0.1/1
Left: -1007.939+/-712.101 χ²/NDF: 4.4/3
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -1113.015+/-437.470 χ²/NDF:15.6/17
Out: -208.230+/-439.243 χ²/NDF:16.3/20
All: -662.452+/-309.963 χ²/NDF: 34.1/38



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

Left: 1304.276+/-0.504 χ^2/NDF: 607.3/3

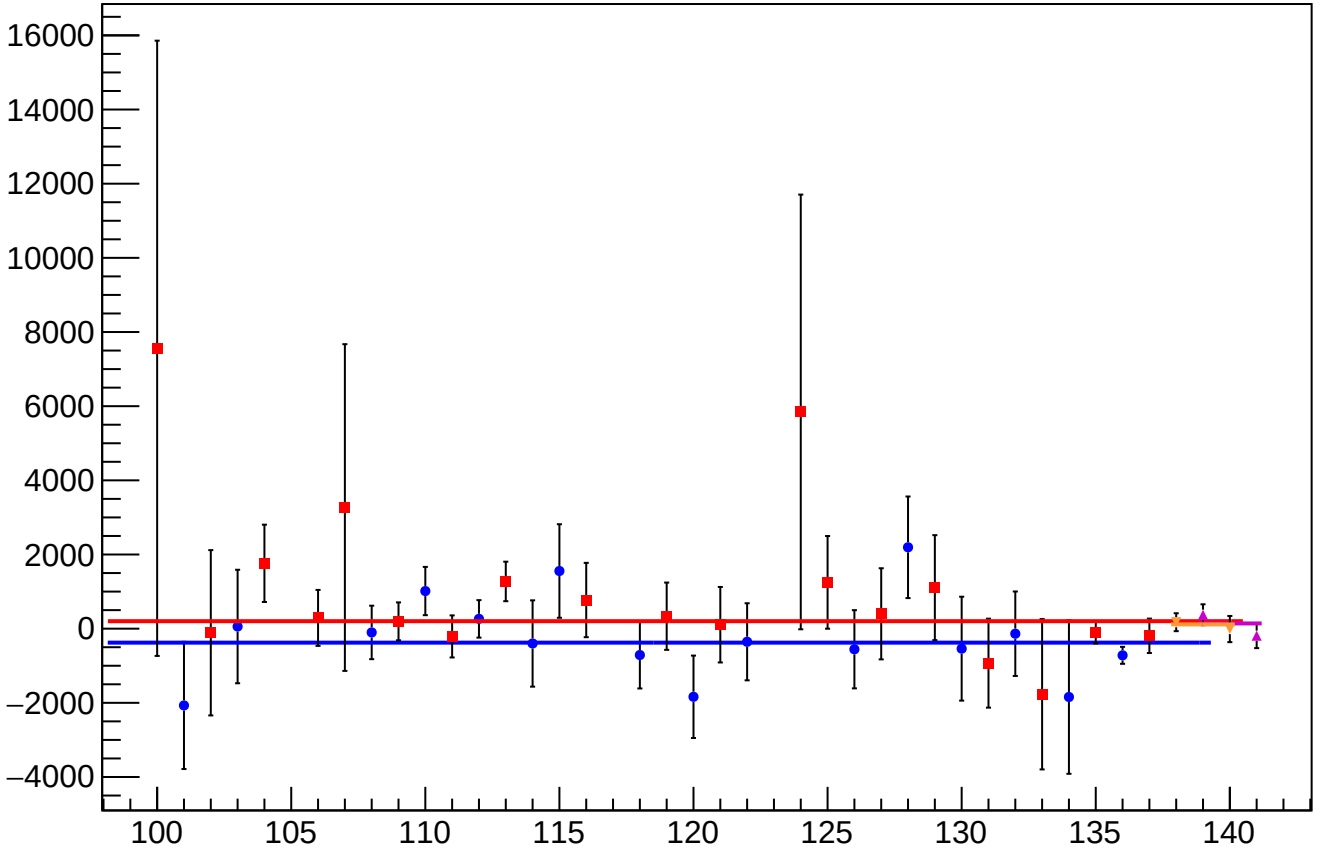
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.759+/-0.309 χ^2/NDF:518996.9/17

Out: 1298.537+/-0.311 χ^2/NDF:328118.8/20

All: 1294.130+/-0.219 χ^2/NDF: 847516.7/38

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 115.438+/-199.299 χ^2/NDF:0.2/1

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 141.120+/-215.928 χ^2/NDF:1.7/1

Left: 127.252+/-146.452 χ^2/NDF: 1.9/3

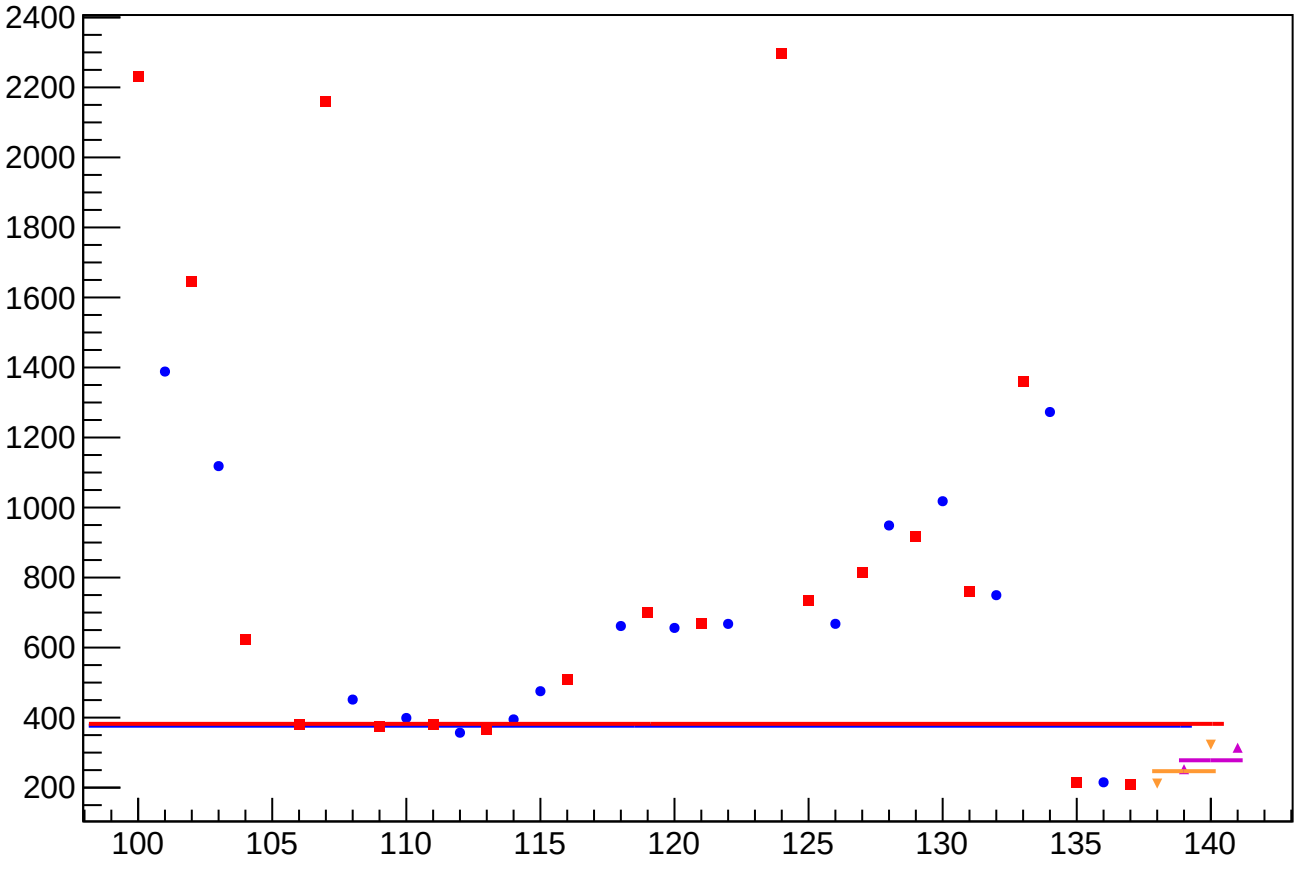
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -181.162+/-132.704 χ^2/NDF:23.2/17

Out: 165.782+/-129.064 χ^2/NDF:14.3/20

All: -2.866+/-92.522 χ^2/NDF: 41.0/38

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF:135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

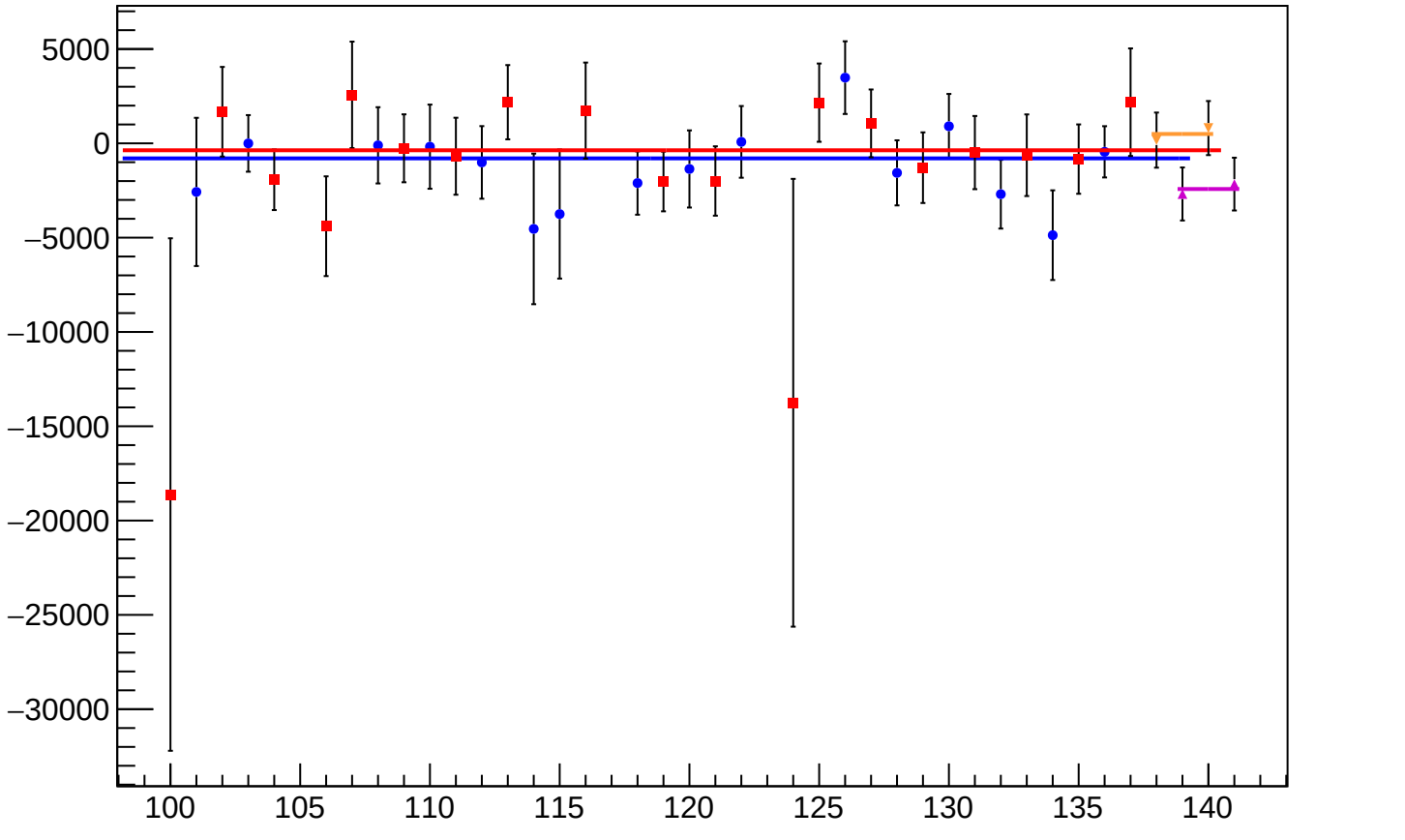
Left: 261.283+/-0.104 χ^2/NDF: 196648.3/3

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 339.570+/-0.094 χ^2/NDF:4493025.0/17

Out: 325.449+/-0.091 χ^2/NDF:4728821.9/20

All: 332.313+/-0.065 χ^2/NDF: 9233485.2/38



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 496.446+/-1023.076 χ^2/NDF:0.1/1

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -2421.688+/-991.779 χ^2/NDF:0.1/1

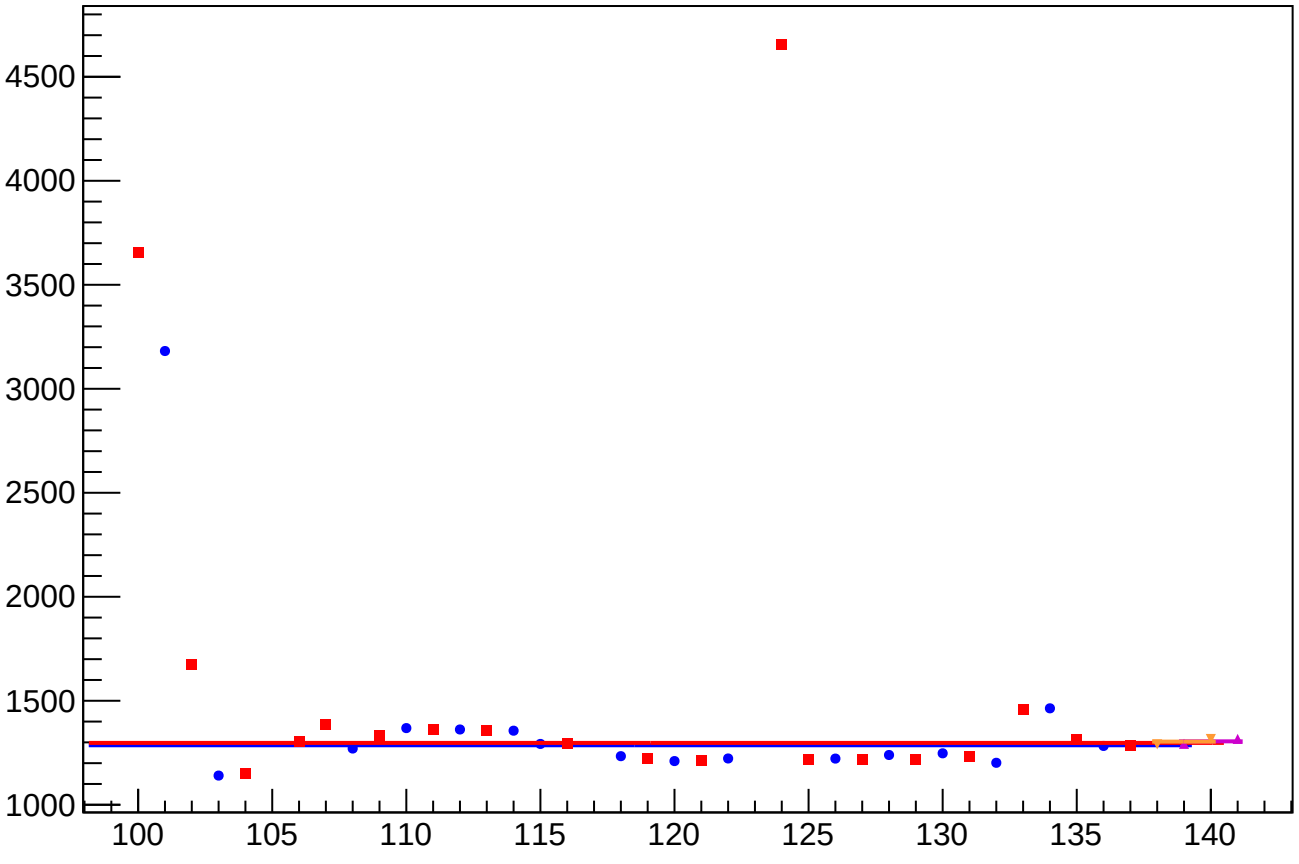
Left: -1007.939+/-712.101 χ^2/NDF: 4.4/3

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -1113.015+/-437.470 χ^2/NDF:15.6/17

Out: -208.230+/-439.243 χ^2/NDF:16.3/20

All: -662.452+/-309.963 χ^2/NDF: 34.1/38



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1303.595+/-0.723 χ^2/NDF:317.2/1

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1304.917+/-0.701 χ^2/NDF:288.4/1

Left: 1304.276+/-0.504 χ^2/NDF: 607.3/3

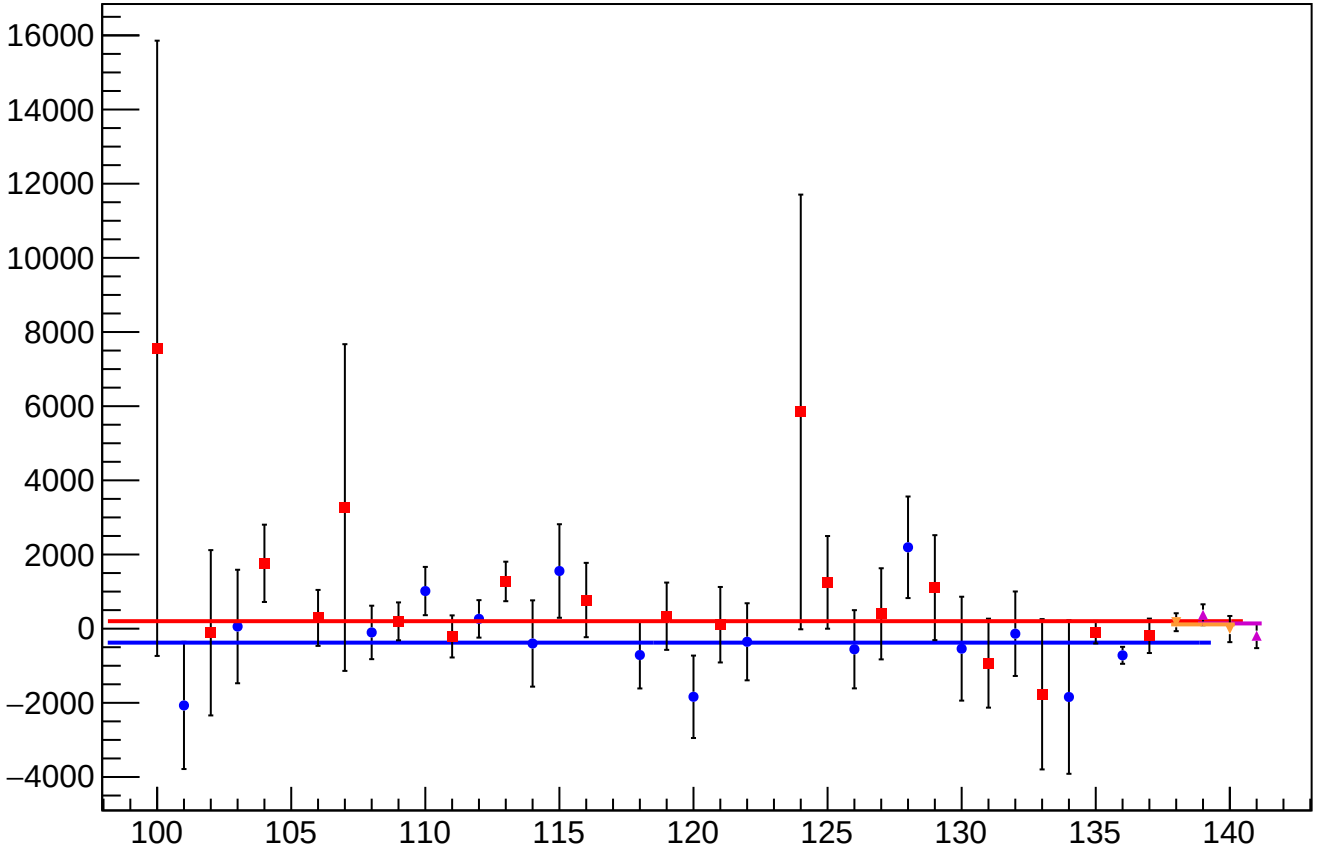
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.759+/-0.309 χ^2/NDF:518996.9/17

Out: 1298.537+/-0.311 χ^2/NDF:328118.8/20

All: 1294.130+/-0.219 χ^2/NDF: 847516.7/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 115.438+/-199.299 χ^2/NDF:0.2/1

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 141.120+/-215.928 χ^2/NDF:1.7/1

Left: 127.252+/-146.452 χ^2/NDF: 1.9/3

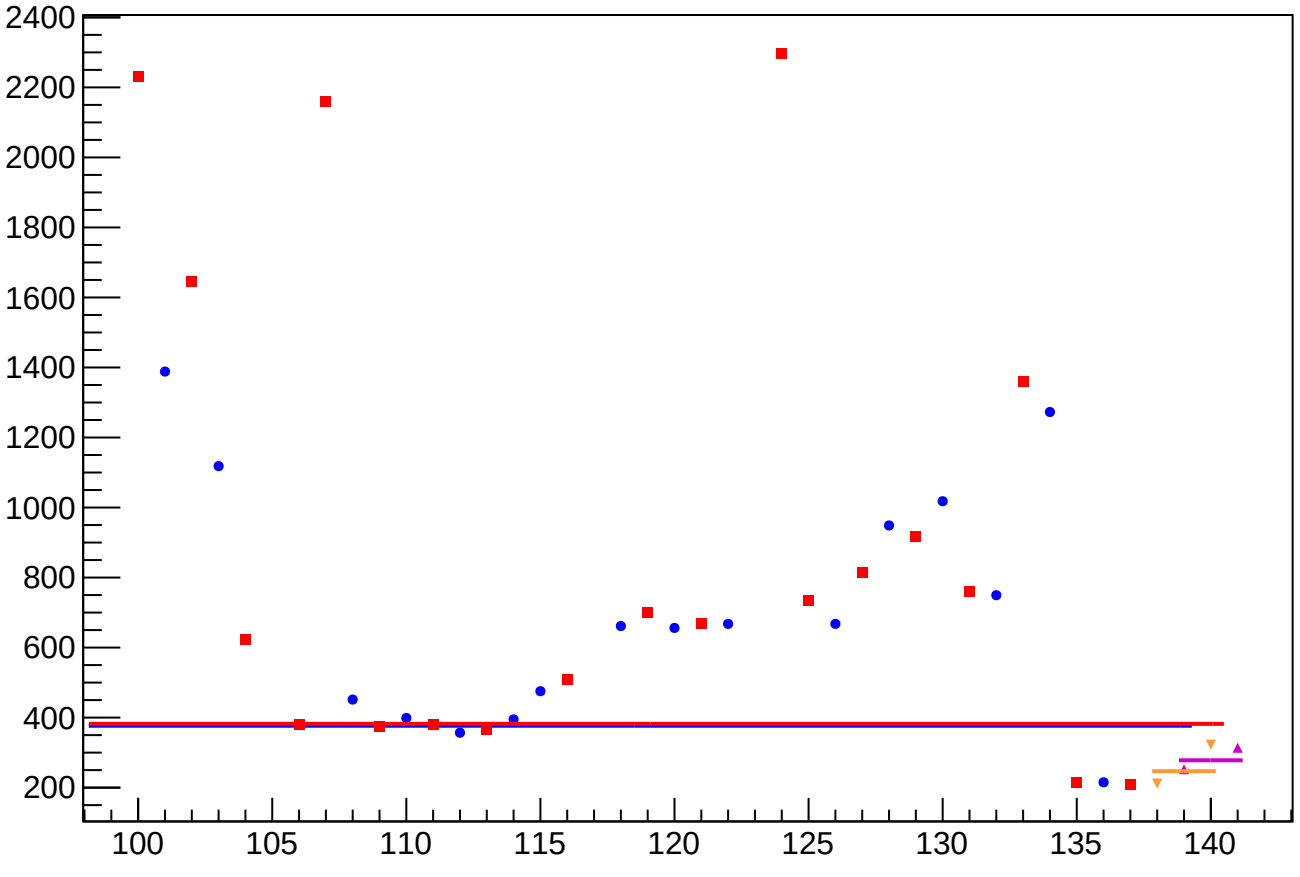
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -181.162+/-132.704 χ^2/NDF:23.2/17

Out: 165.782+/-129.064 χ^2/NDF:14.3/20

All: -2.866+/-92.522 χ^2/NDF: 41.0/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 246.964+/-0.141 χ^2/NDF:135035.0/1

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

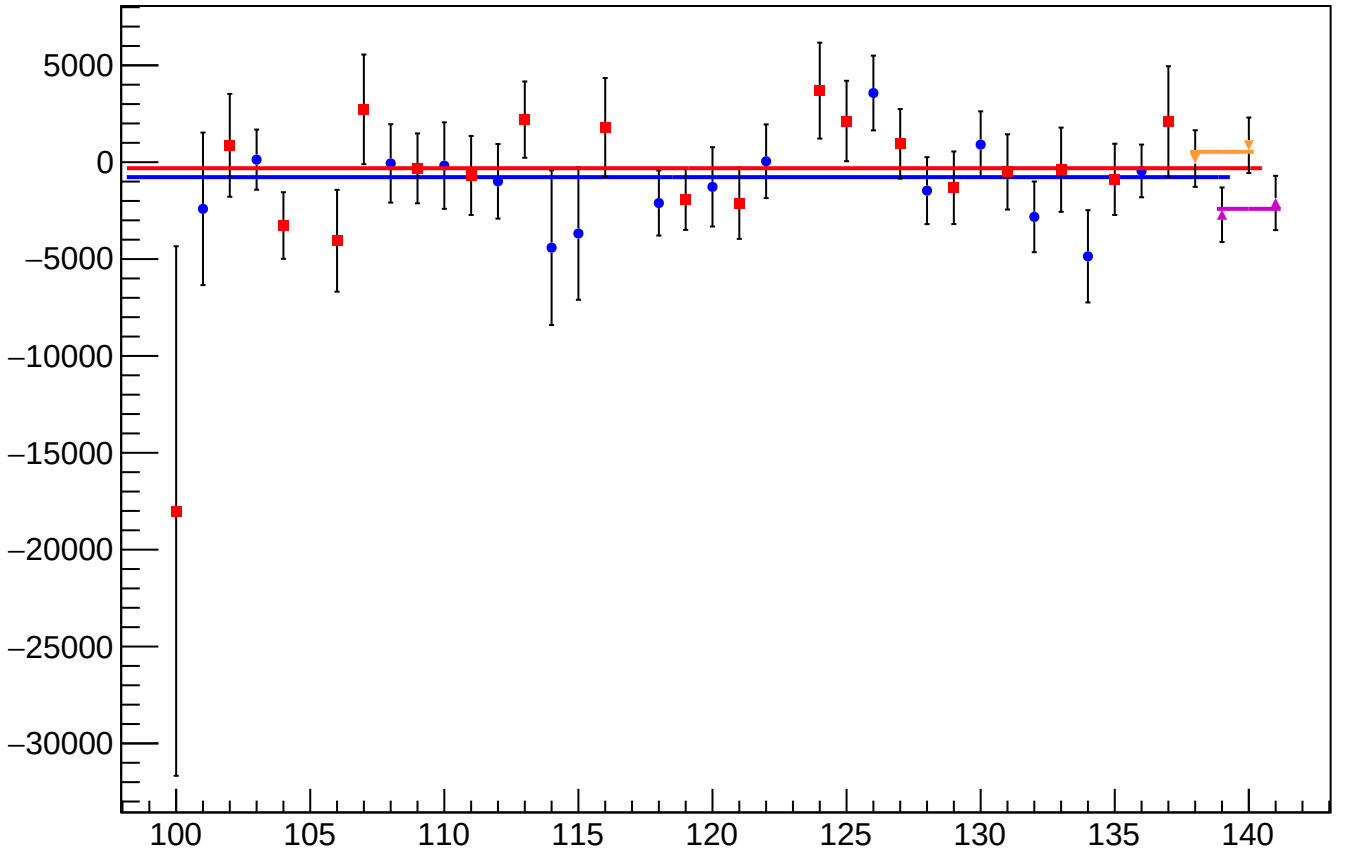
Left: 261.283+/-0.104 χ^2/NDF: 196648.3/3

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 339.570+/-0.094 χ^2/NDF:4493025.0/17

Out: 325.449+/-0.091 χ^2/NDF:4728821.9/20

All: 332.313+/-0.065 χ^2/NDF: 9233485.2/38



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 535.661+/-1023.631 χ^2/NDF:0.1/1

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -2406.569+/-992.473 χ^2/NDF:0.1/1

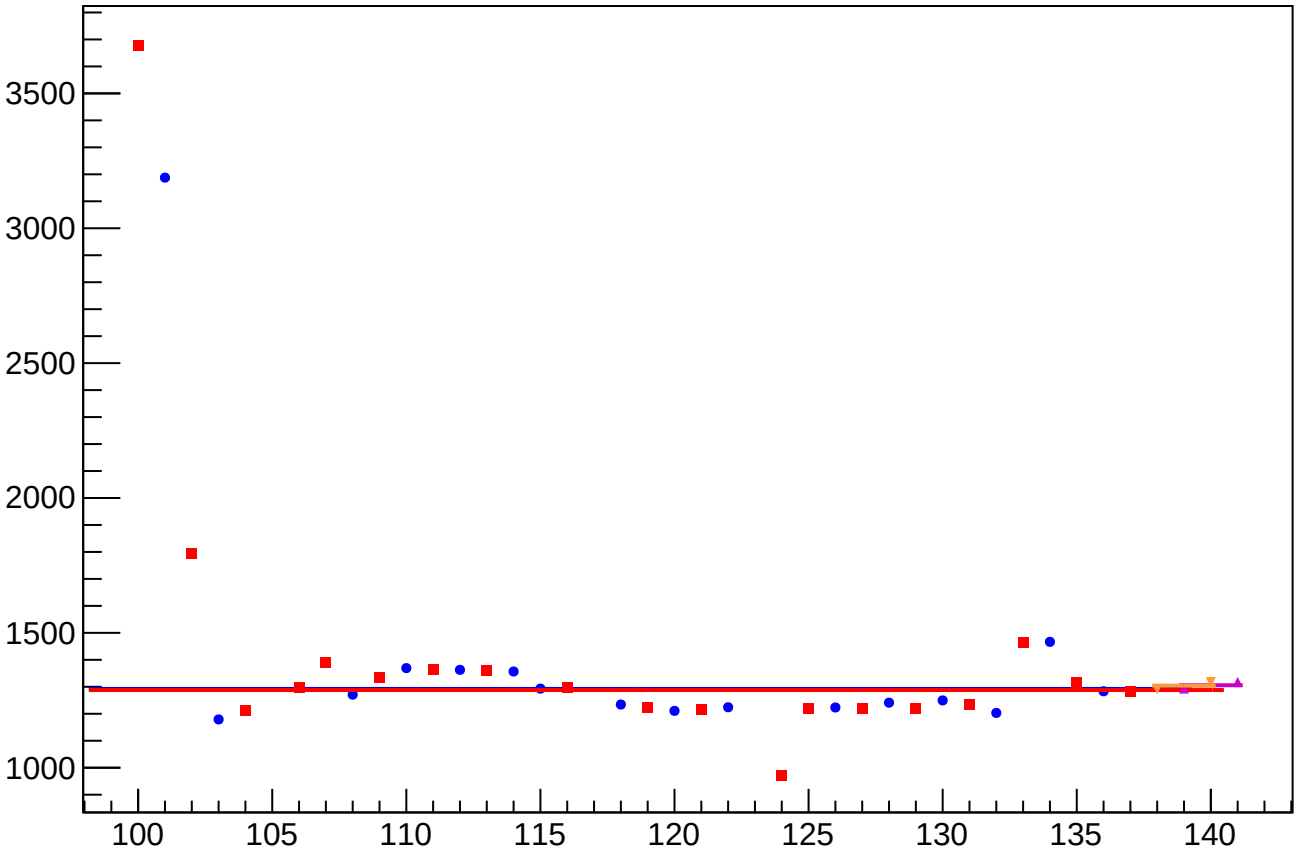
Left: -980.913+/-712.545 χ^2/NDF: 4.5/3

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -1091.528+/-439.081 χ^2/NDF:15.9/17

Out: -157.352+/-436.550 χ^2/NDF:18.6/20

All: -621.740+/-309.579 χ^2/NDF: 36.8/38



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1304.299+/-0.724 χ^2/NDF:331.7/1

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1305.816+/-0.702 χ^2/NDF:295.2/1

Left: 1305.081+/-0.504 χ^2/NDF: 629.1/3

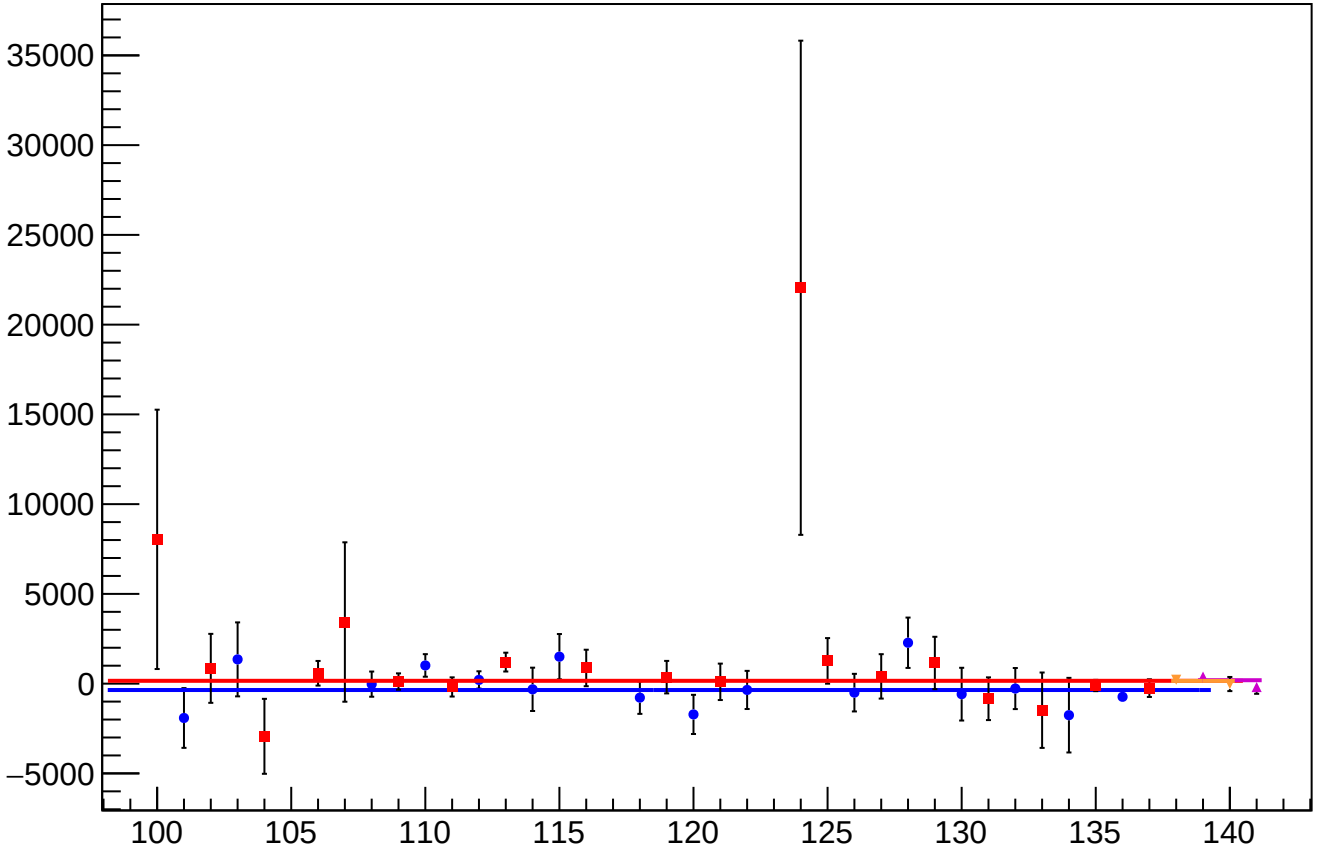
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1294.735+/-0.310 χ^2/NDF:510011.5/17

Out: 1290.955+/-0.309 χ^2/NDF:209955.9/20

All: 1292.834+/-0.219 χ^2/NDF: 720041.9/38

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 151.762+/-207.157 χ^2/NDF:0.3/1

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 191.190+/-223.357 χ^2/NDF:1.6/1

Left: 169.995+/-151.887 χ^2/NDF: 1.8/3

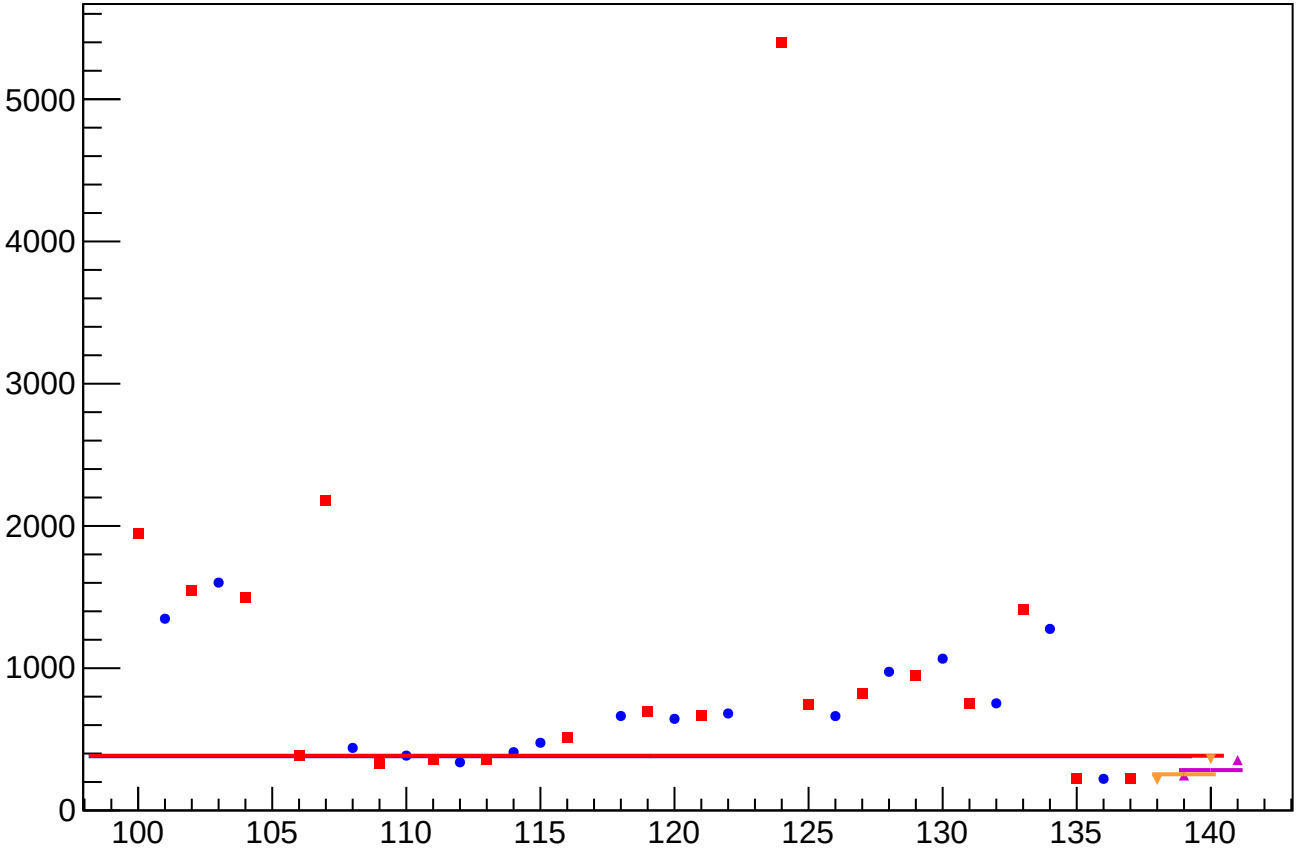
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -154.842+/-135.260 χ^2/NDF:23.8/17

Out: 155.450+/-131.259 χ^2/NDF:16.1/20

All: 4.961+/-94.197 χ^2/NDF: 42.6/38

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 254.208+/-0.146 χ^2/NDF:200321.8/1

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 283.807+/-0.158 χ^2/NDF:107020.9/1

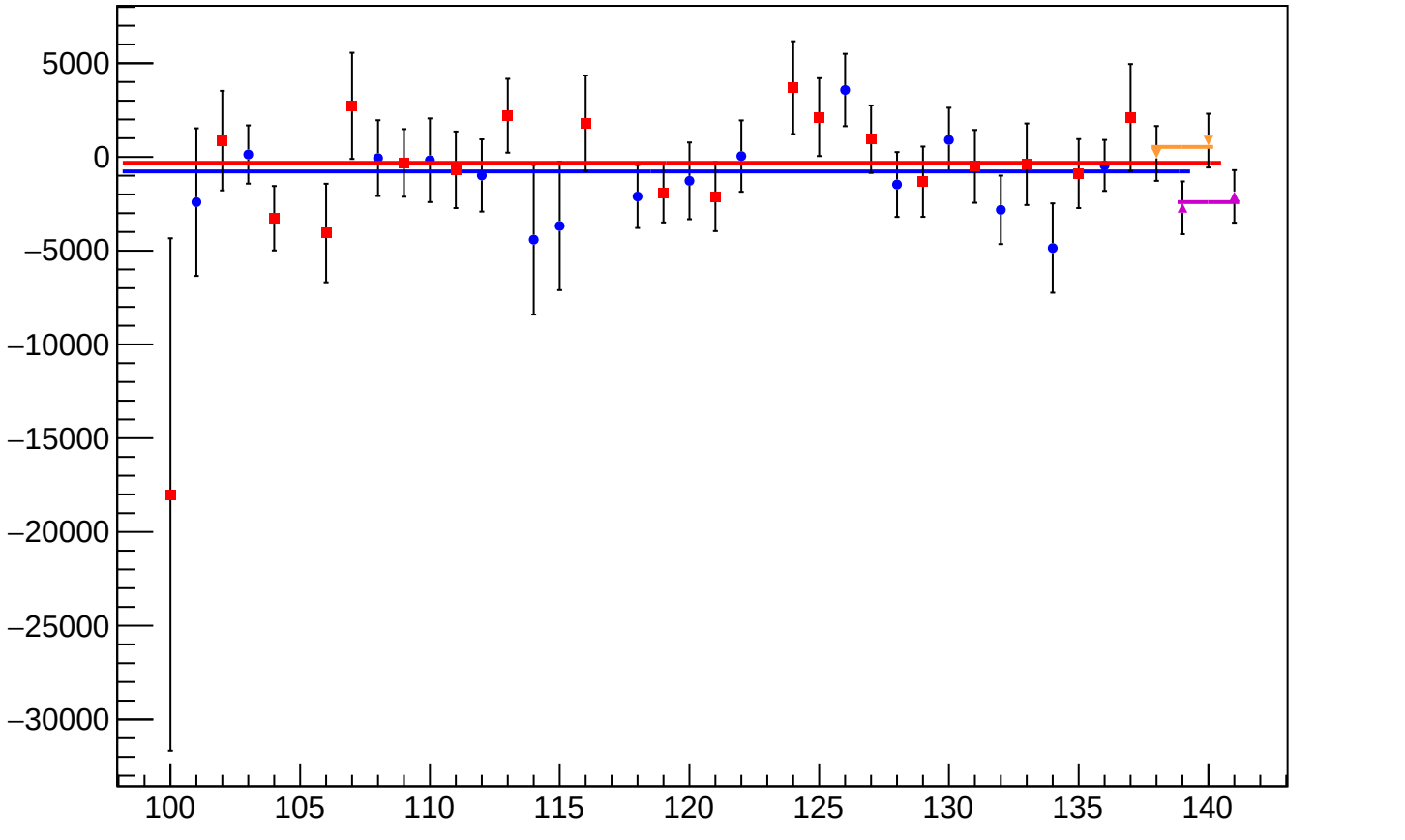
Left: 267.895+/-0.107 χ^2/NDF: 326223.3/3

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 345.578+/-0.096 χ^2/NDF:4666493.7/17

Out: 332.281+/-0.093 χ^2/NDF:5235153.7/20

All: 338.730+/-0.067 χ^2/NDF: 9911602.2/38



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 535.669+/-1023.631 χ^2/NDF:0.1/1

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -2406.560+/-992.473 χ^2/NDF:0.1/1

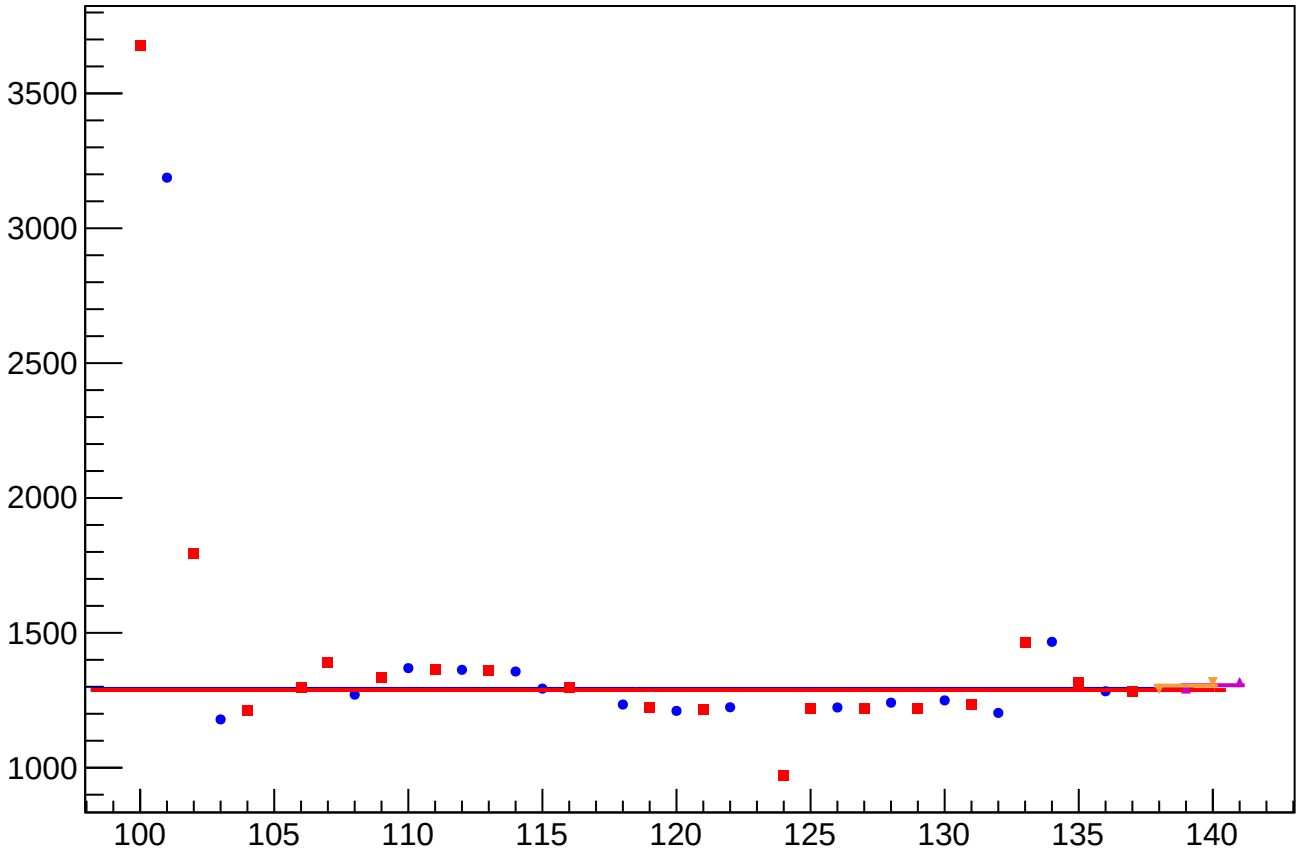
Left: -980.905+/-712.545 χ^2/NDF: 4.5/3

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -1091.528+/-439.081 χ^2/NDF:15.9/17

Out: -157.352+/-436.550 χ^2/NDF:18.6/20

All: -621.740+/-309.579 χ^2/NDF: 36.8/38



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1304.299+/-0.724 χ^2/NDF:331.7/1

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1305.816+/-0.702 χ^2/NDF:295.2/1

Left: 1305.081+/-0.504 χ^2/NDF: 629.2/3

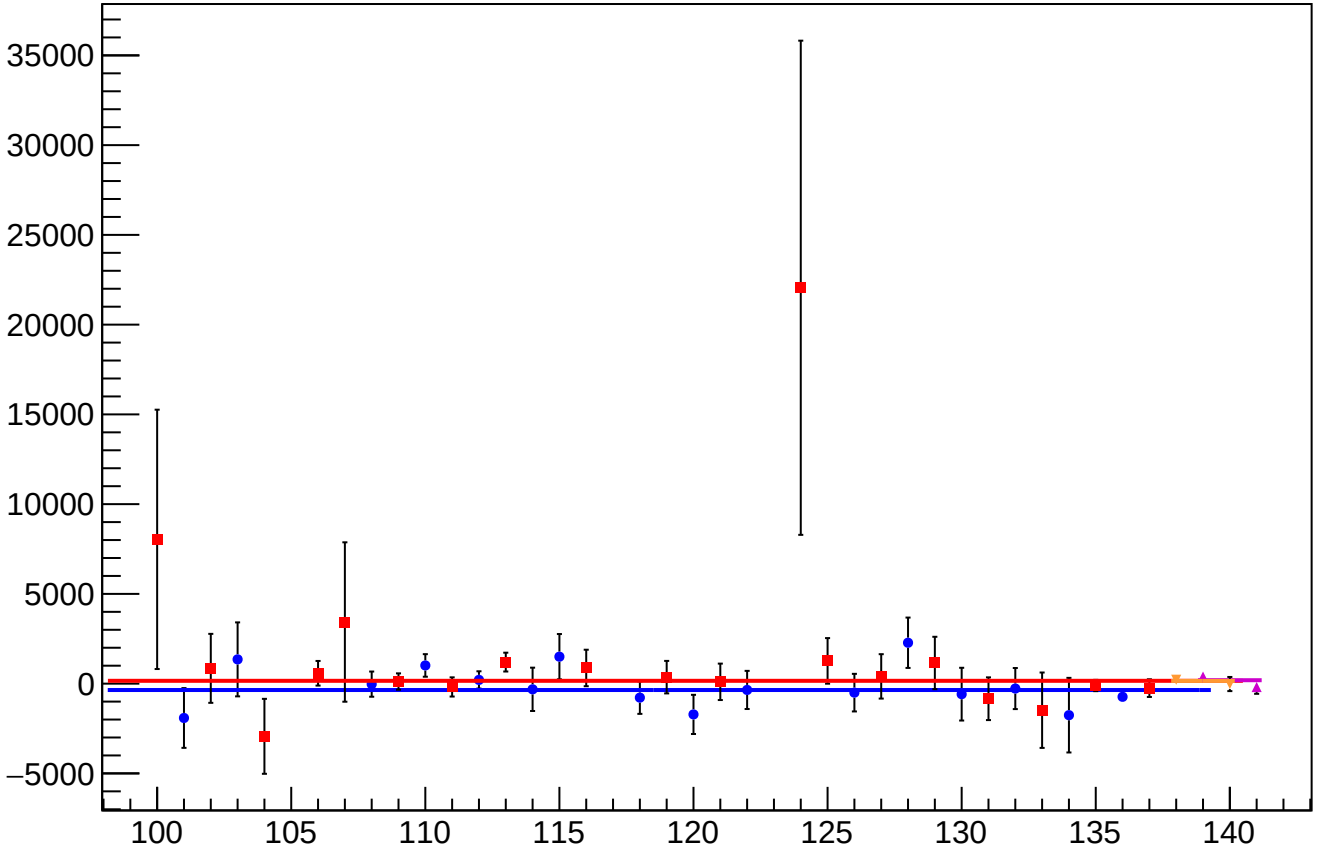
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1294.735+/-0.310 χ^2/NDF:510011.5/17

Out: 1290.955+/-0.309 χ^2/NDF:209956.2/20

All: 1292.834+/-0.219 χ^2/NDF: 720042.2/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: 151.769+/-207.167 χ^2/NDF:0.3/1

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 191.194+/-223.367 χ^2/NDF:1.6/1

Left: 170.000+/-151.894 χ^2/NDF: 1.8/3

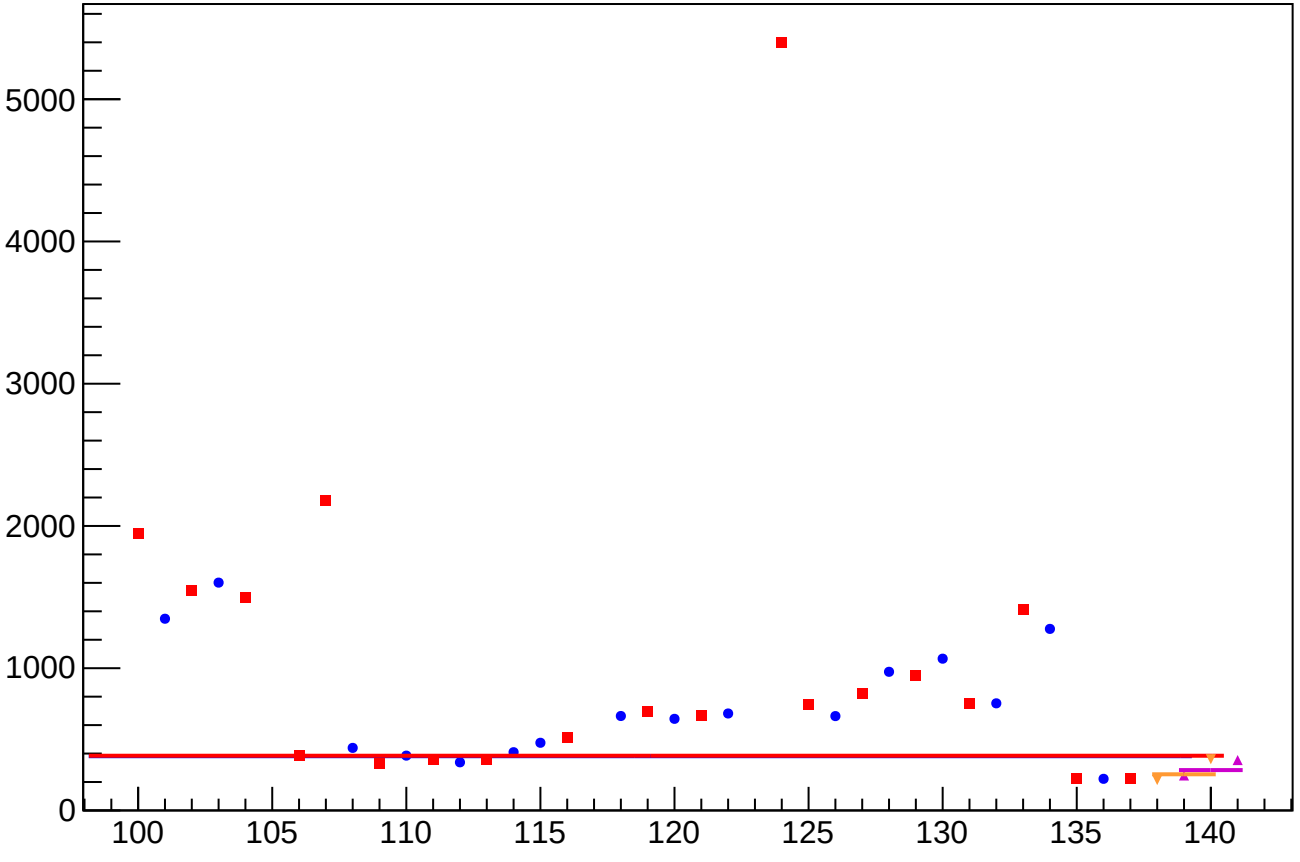
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -154.847+/-135.264 χ^2/NDF:23.8/17

Out: 155.456+/-131.263 χ^2/NDF:16.1/20

All: 4.961+/-94.200 χ^2/NDF: 42.6/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 254.222+/-0.146 χ^2/NDF:200287.0/1

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 283.821+/-0.158 χ^2/NDF:106991.7/1

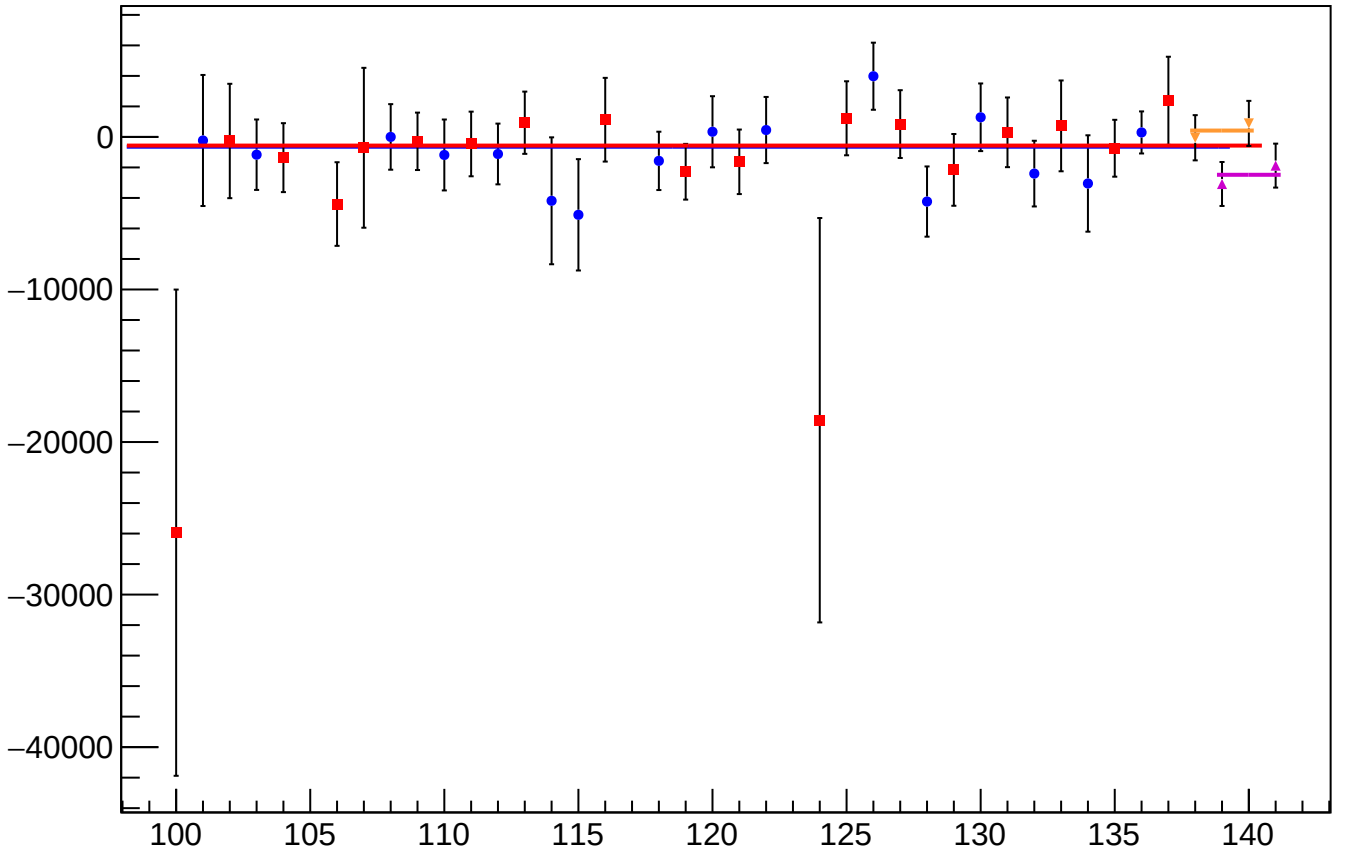
Left: 267.909+/-0.107 χ^2/NDF: 326158.0/3

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 345.591+/-0.096 χ^2/NDF:4666244.0/17

Out: 332.293+/-0.093 χ^2/NDF:5234904.4/20

All: 338.742+/-0.067 χ^2/NDF: 9911103.1/38



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 417.684+/-1046.330 χ^2/NDF:0.2/1

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -2481.984+/-1018.961 χ^2/NDF:0.3/1

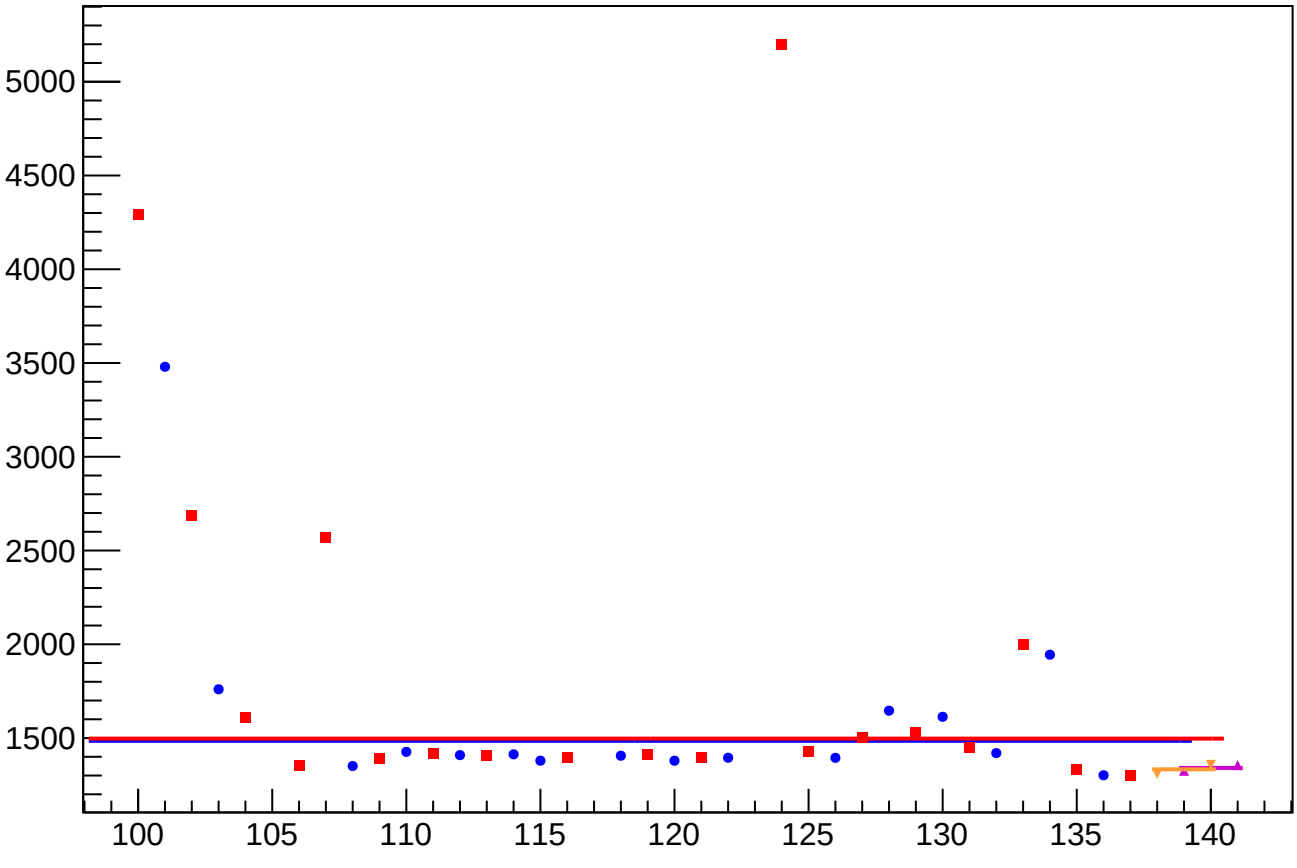
Left: -1070.570+/-729.998 χ^2/NDF: 4.5/3

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -1073.040+/-493.699 χ^2/NDF:15.3/17

Out: -343.818+/-498.358 χ^2/NDF:12.2/20

All: -711.853+/-350.733 χ^2/NDF: 28.6/38



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1333.065+/-0.740 χ^2/NDF:1034.5/1

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1340.532+/-0.721 χ^2/NDF:427.7/1

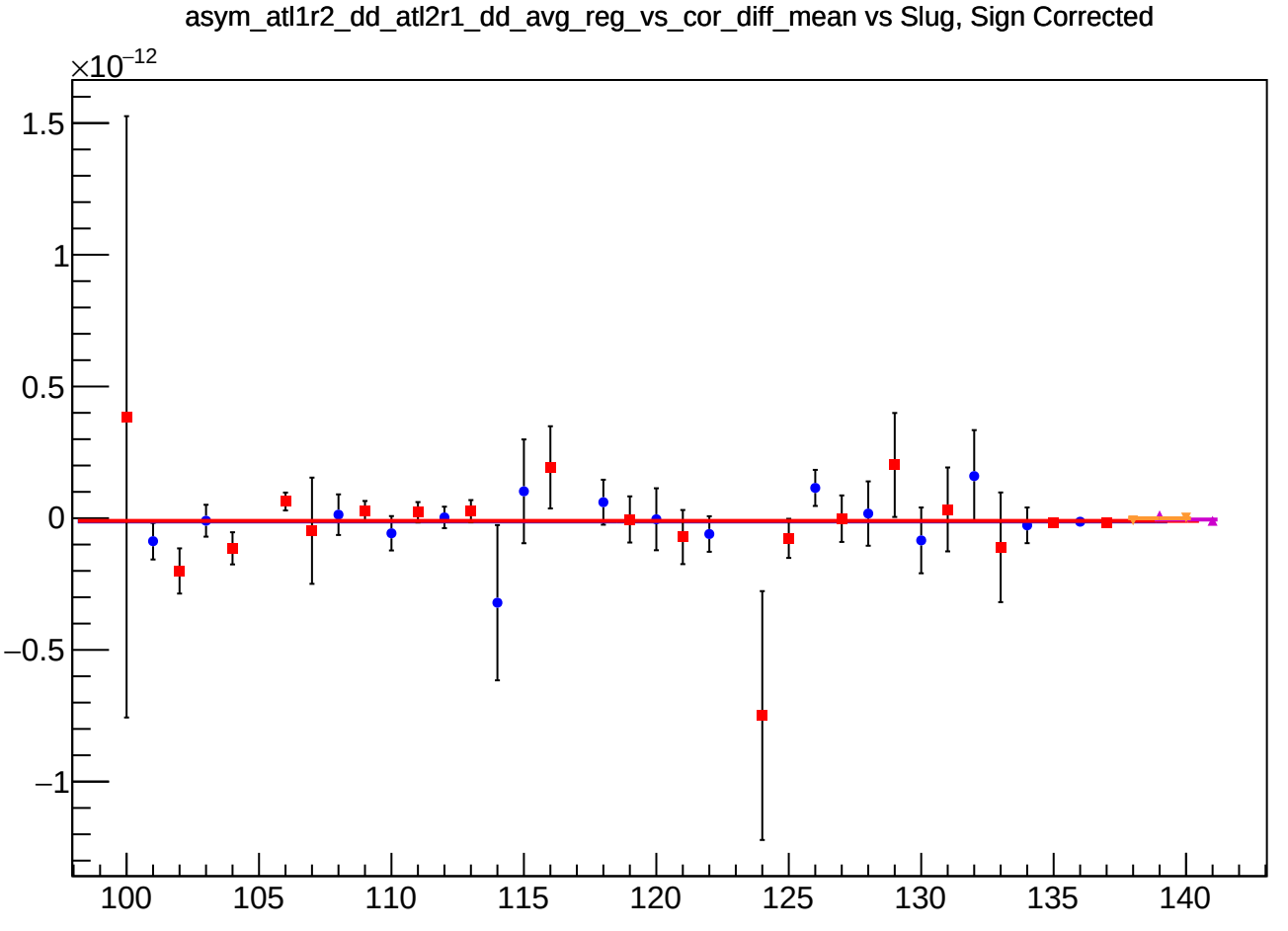
Left: 1336.898+/-0.516 χ^2/NDF: 1514.4/3

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1451.369+/-0.349 χ^2/NDF:615820.8/17

Out: 1459.707+/-0.352 χ^2/NDF:662222.3/20

All: 1455.499+/-0.248 χ^2/NDF: 1278325.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/1

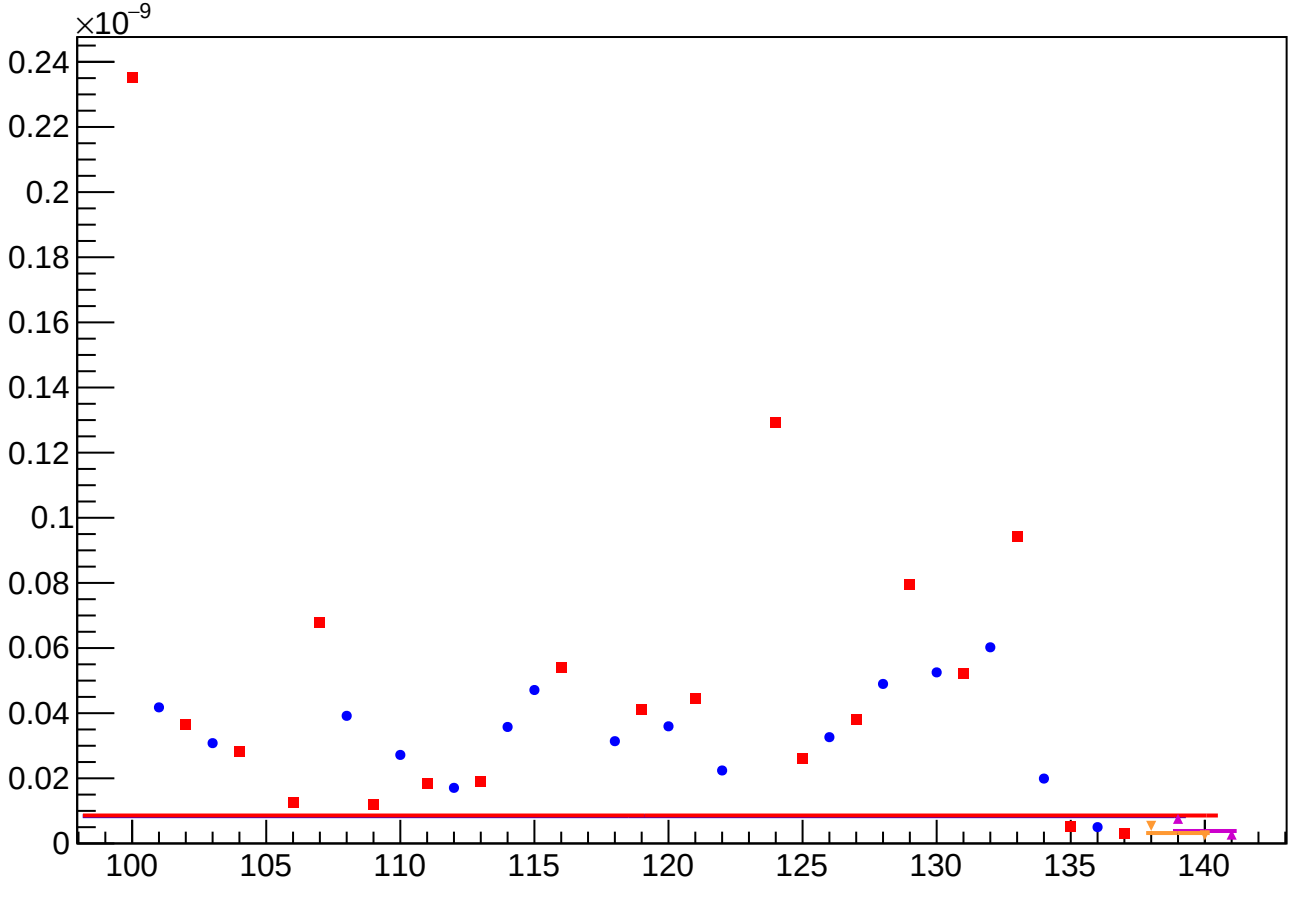
Left: -0.000+/-0.000 χ^2/NDF: 4.6/3

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:13.0/17

Out: -0.000+/-0.000 χ^2/NDF:24.7/20

All: -0.000+/-0.000 χ^2/NDF: 38.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:171686.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:314996.8/1

Left: 0.000+/-0.000 χ^2/NDF: 504385.5/3

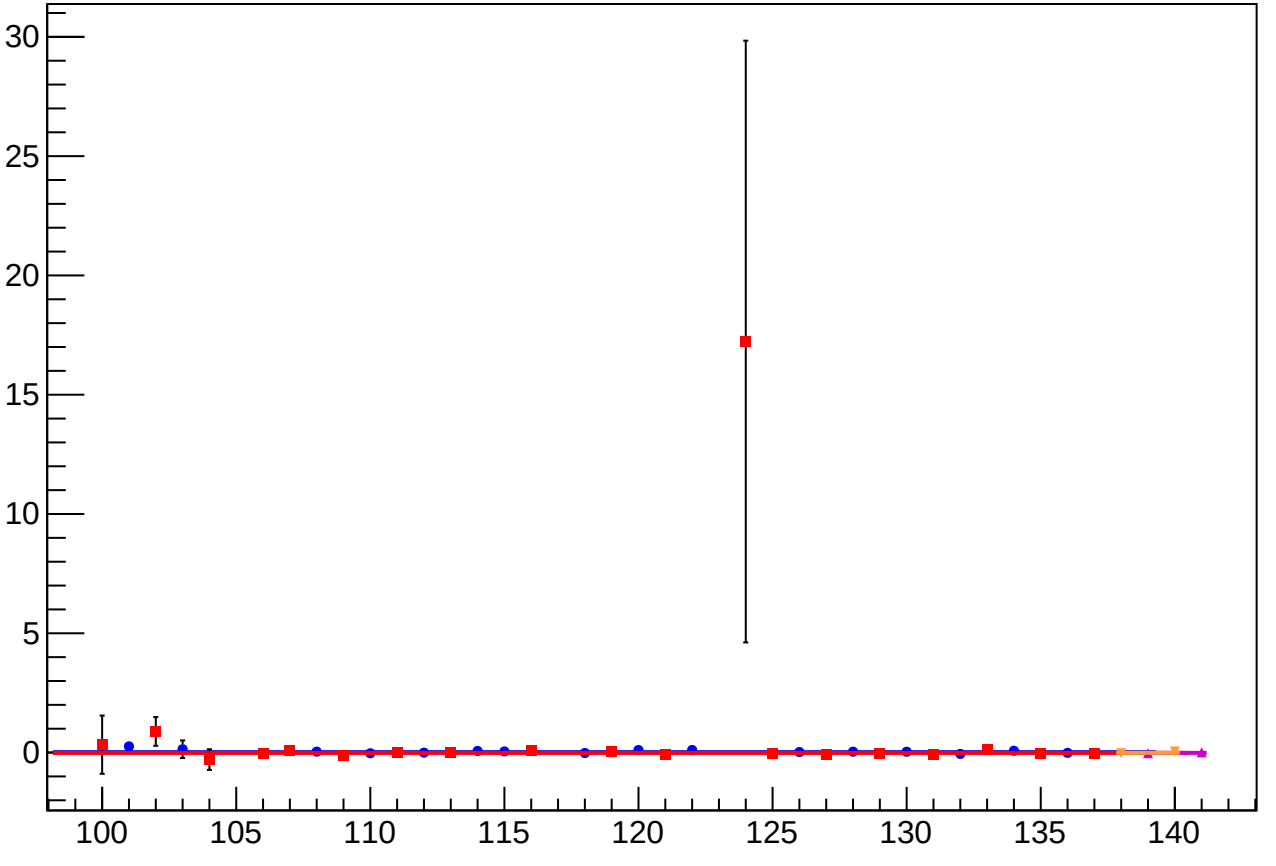
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3882672.1/17

Out: 0.000+/-0.000 χ^2/NDF:4223344.2/20

All: 0.000+/-0.000 χ^2/NDF: 8159394.6/38

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.013+/-0.024 χ^2/NDF:0.5/1

Left: -0.012+/-0.017 χ^2/NDF: 2.3/3

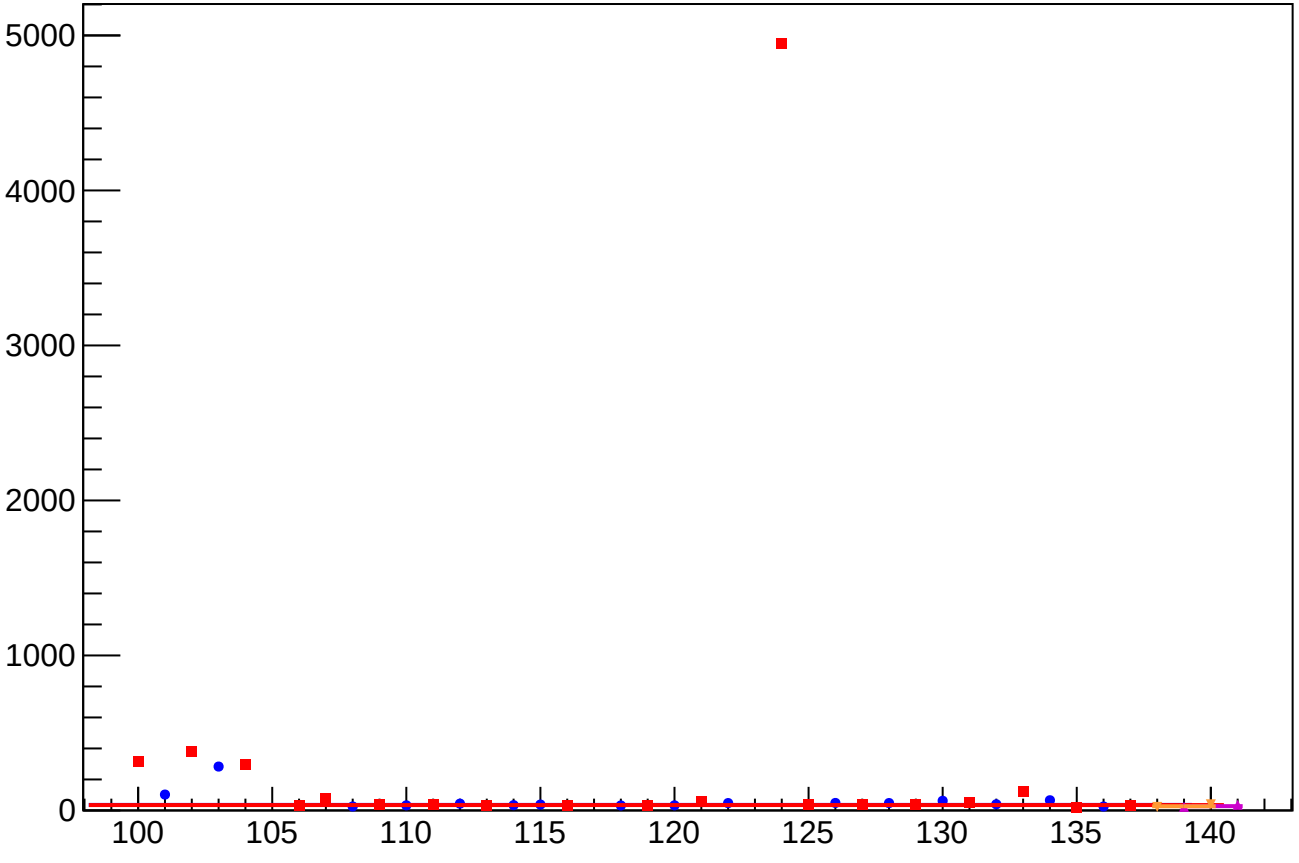
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.002+/-0.009 χ^2/NDF: 32.2/38

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 27.058+/-0.017 χ^2/NDF:201472.7/1

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 27.832+/-0.017 χ^2/NDF:137553.8/1

Left: 27.436+/-0.012 χ^2/NDF: 340074.4/3

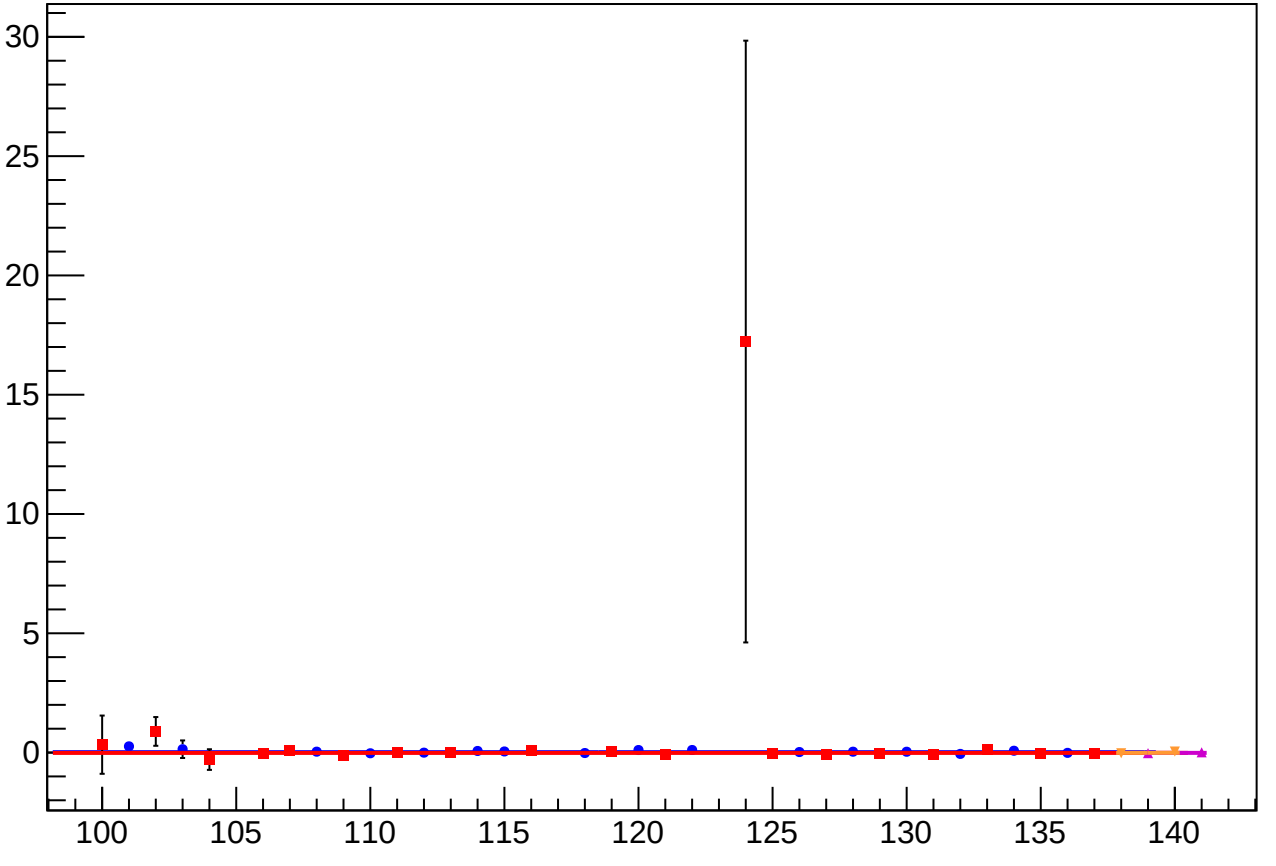
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.449+/-0.009 χ^2/NDF:2554400.1/17

Out: 32.439+/-0.009 χ^2/NDF:3265150.6/20

All: 32.944+/-0.007 χ^2/NDF: 5825559.5/38

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.013+/-0.024 χ^2/NDF:0.5/1

Left: -0.012+/-0.017 χ^2/NDF: 2.3/3

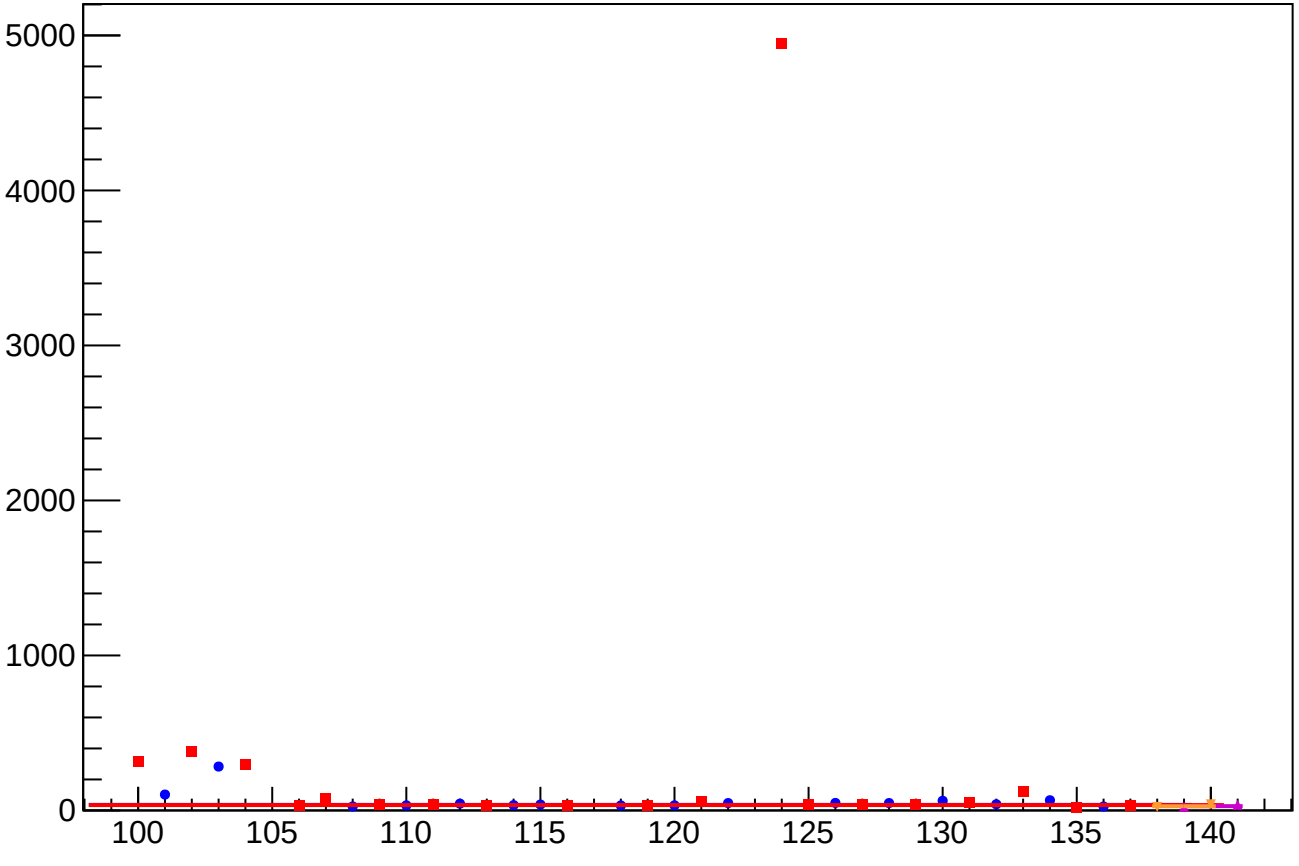
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.002+/-0.009 χ^2/NDF: 32.2/38

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 27.058+/-0.017 χ^2/NDF:201472.7/1

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 27.832+/-0.017 χ^2/NDF:137553.8/1

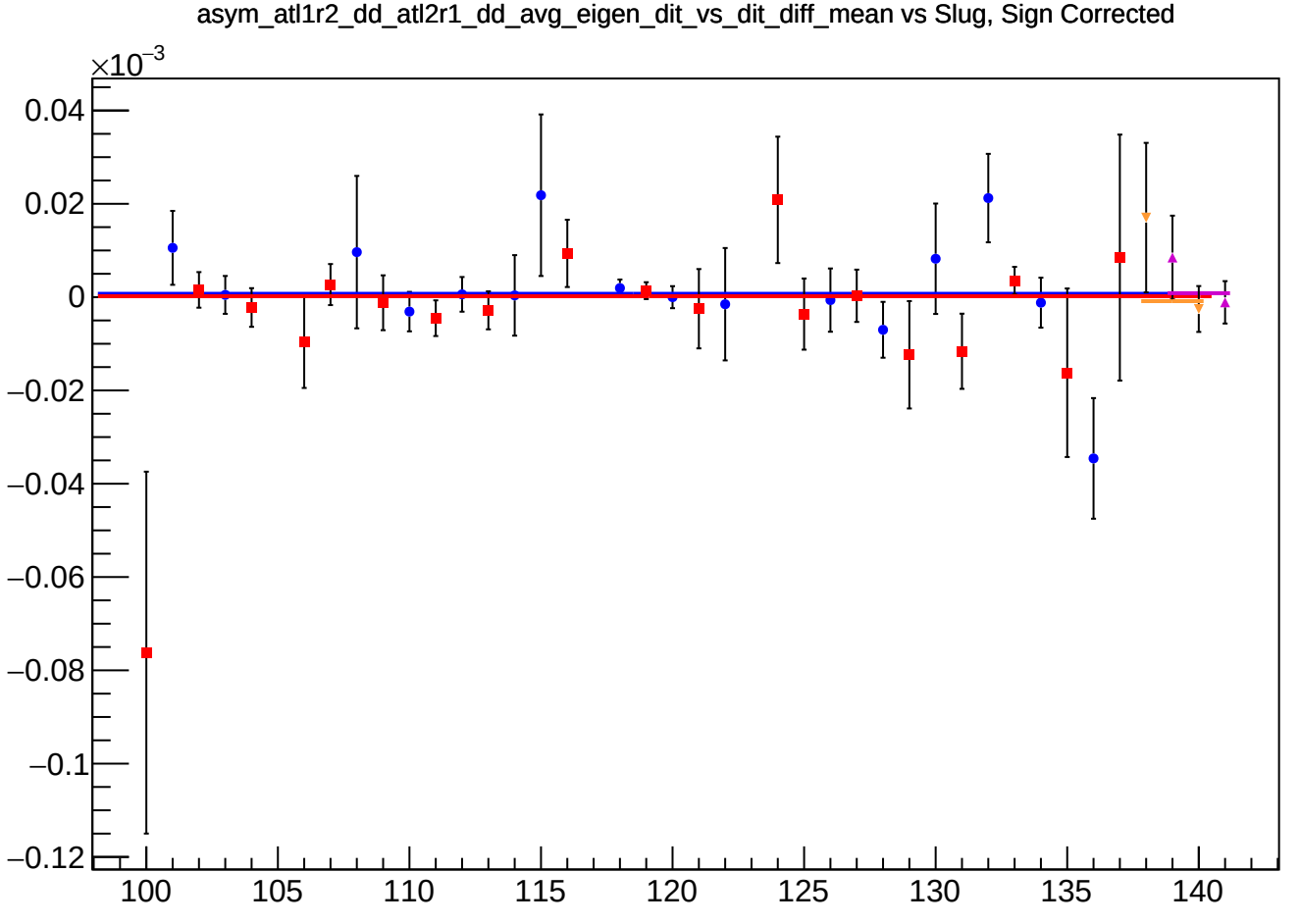
Left: 27.436+/-0.012 χ^2/NDF: 340074.4/3

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.449+/-0.009 χ^2/NDF:2554400.1/17

Out: 32.439+/-0.009 χ^2/NDF:3265150.6/20

All: 32.944+/-0.007 χ^2/NDF: 5825559.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

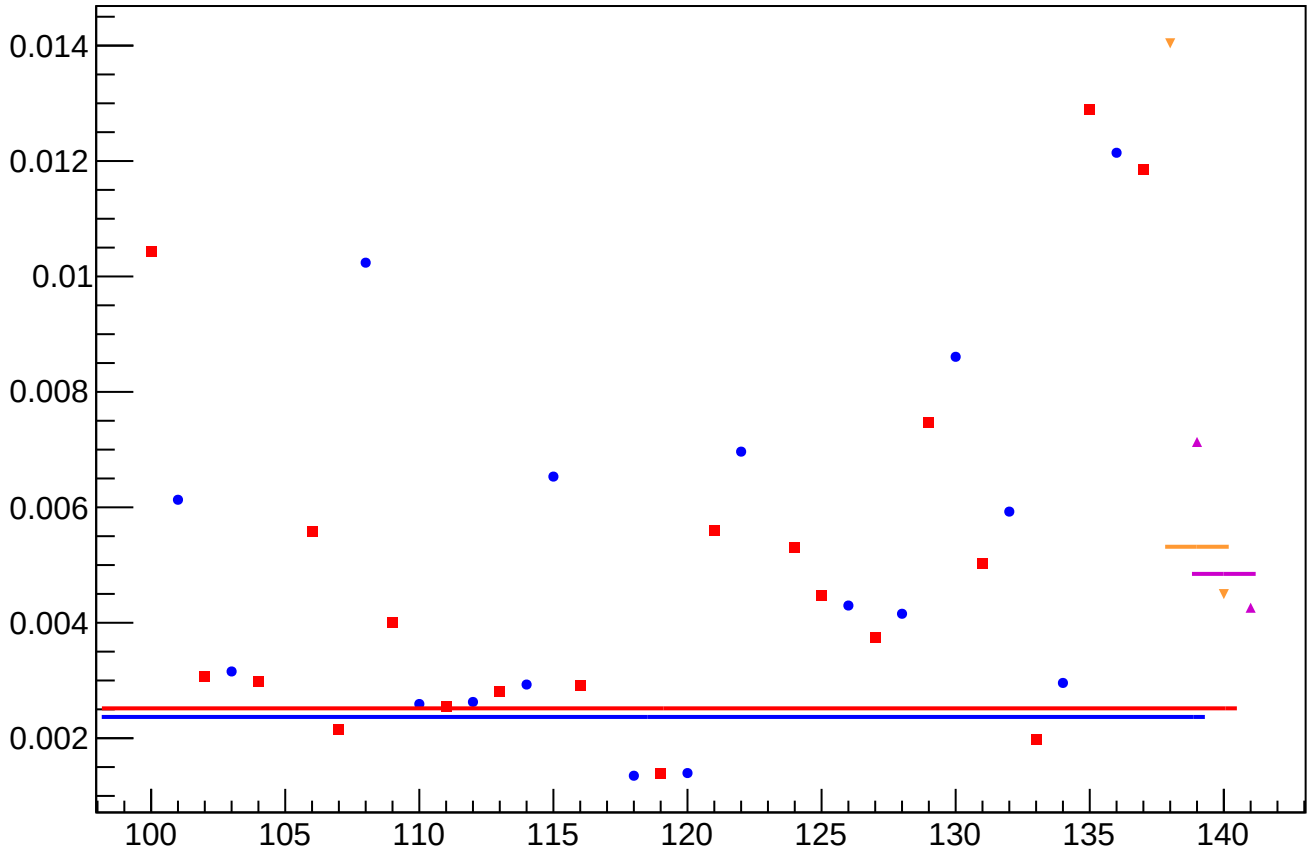
Left: 0.000+/-0.000 χ^2/NDF: 2.4/3

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:20.0/17

Out: 0.000+/-0.000 χ^2/NDF:19.5/20

All: 0.000+/-0.000 χ^2/NDF: 39.6/38



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:647888.0/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:163119.1/1

Left: 0.005+/-0.000 χ^2/NDF: 822484.1/3

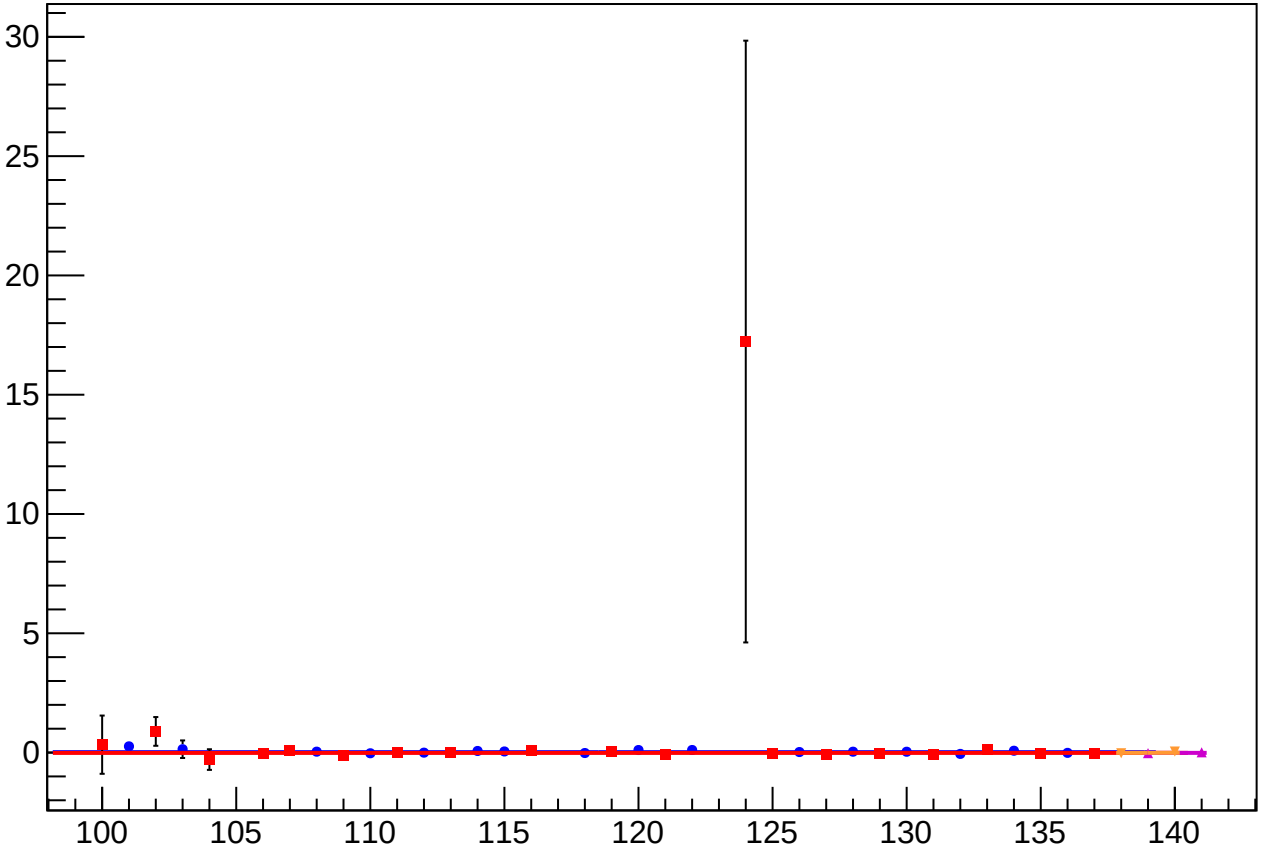
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:5580762.7/17

Out: 0.003+/-0.000 χ^2/NDF:4720092.5/20

All: 0.003+/-0.000 χ^2/NDF: 10312537.1/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.013+/-0.024 χ^2/NDF:0.5/1

Left: -0.012+/-0.017 χ^2/NDF: 2.3/3

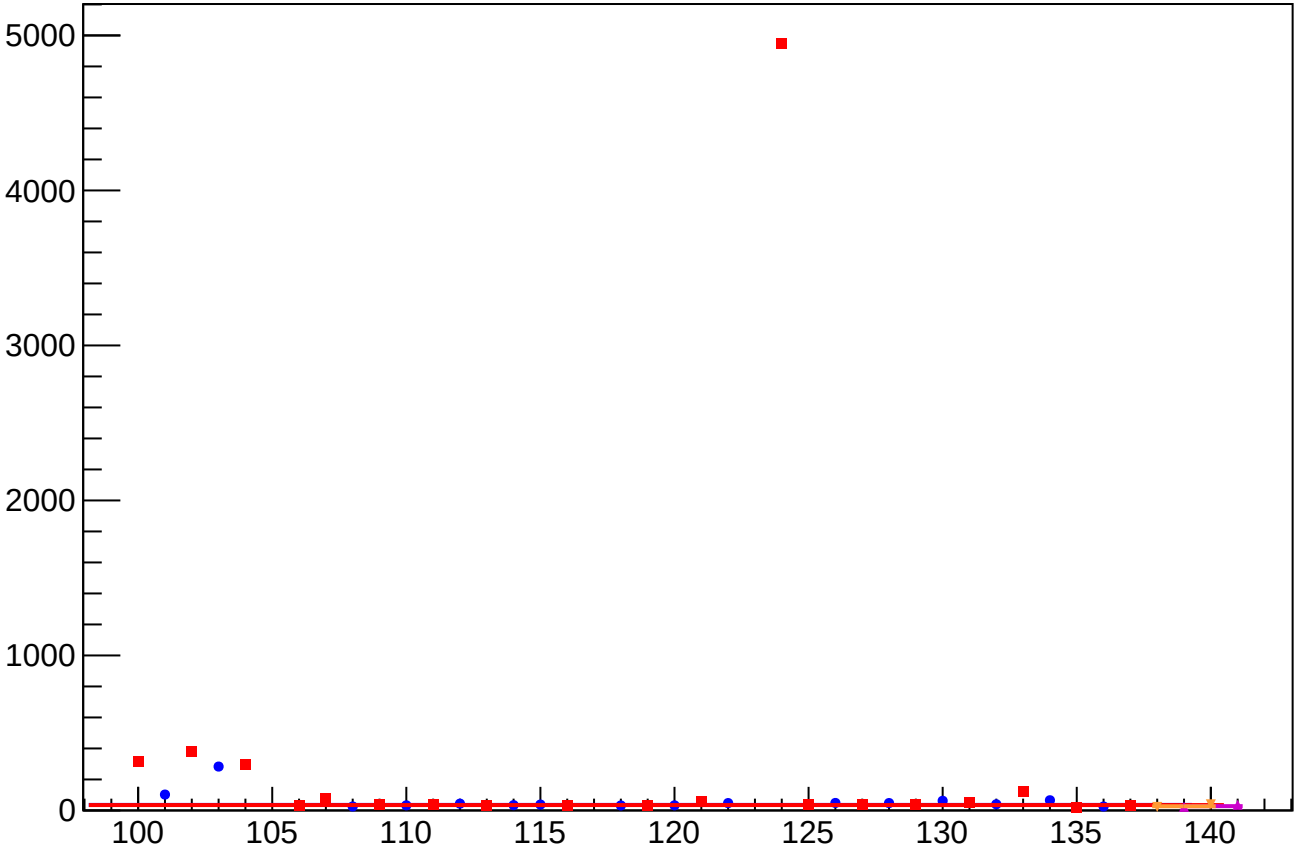
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.002+/-0.009 χ^2/NDF: 32.2/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF:201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 27.827+/-0.017 χ^2/NDF:137739.1/1

Left: 27.433+/-0.012 χ^2/NDF: 340341.2/3

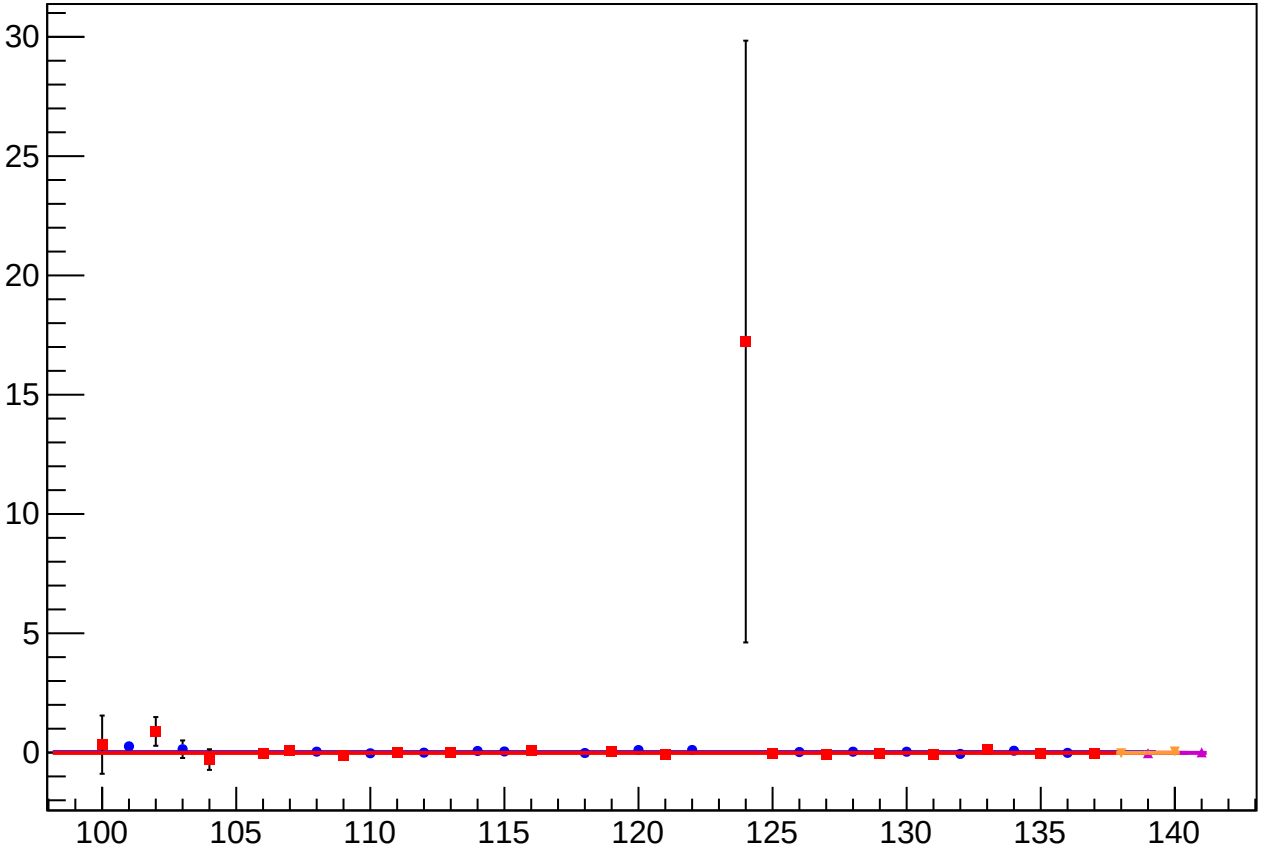
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.448+/-0.009 χ^2/NDF:2554549.3/17

Out: 32.440+/-0.009 χ^2/NDF:3265141.4/20

All: 32.944+/-0.007 χ^2/NDF: 5825689.9/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.010+/-0.024 χ^2/NDF:1.9/1

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.013+/-0.024 χ^2/NDF:0.5/1

Left: -0.012+/-0.017 χ^2/NDF: 2.3/3

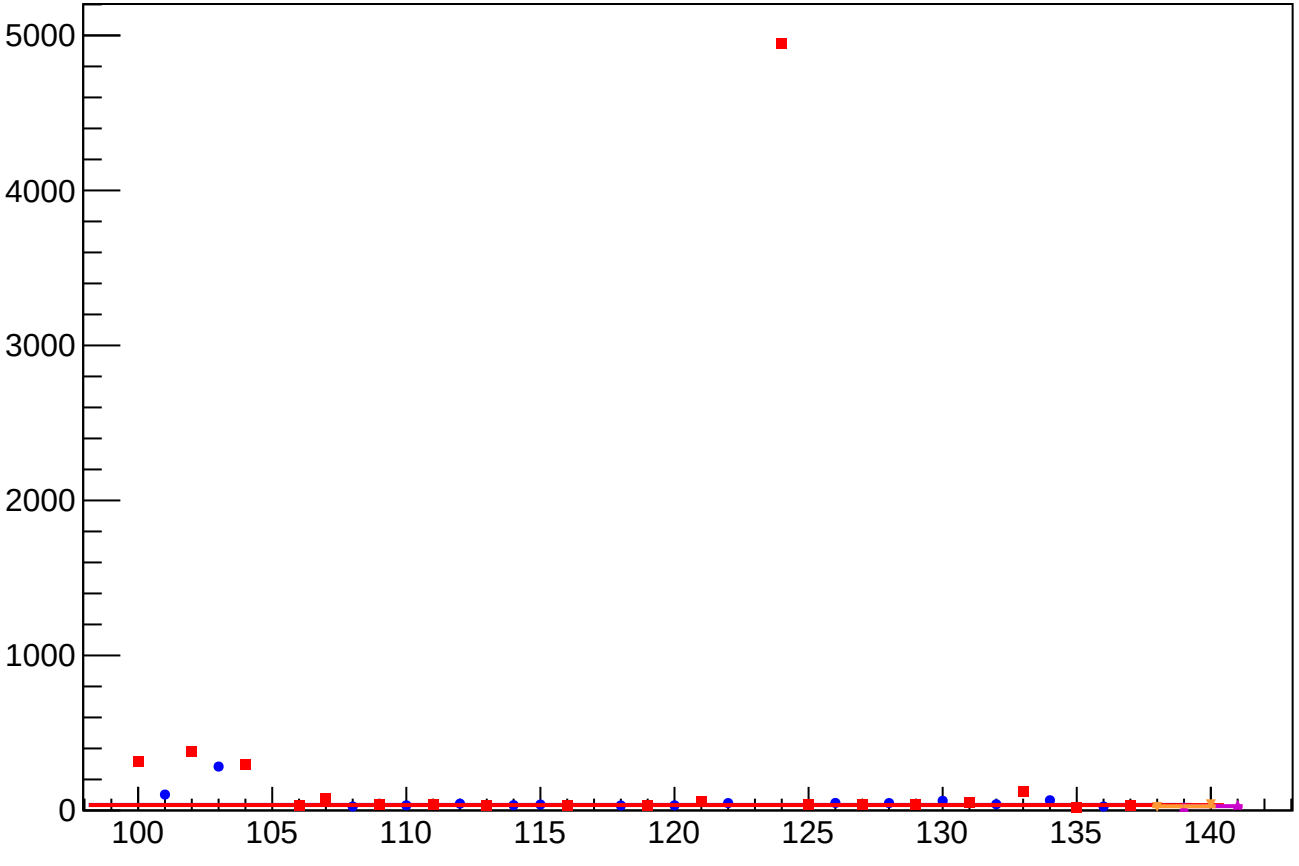
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.013+/-0.013 χ^2/NDF:17.9/20

All: -0.002+/-0.009 χ^2/NDF: 32.2/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 27.057+/-0.017 χ^2/NDF:201563.0/1

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 27.827+/-0.017 χ^2/NDF:137739.1/1

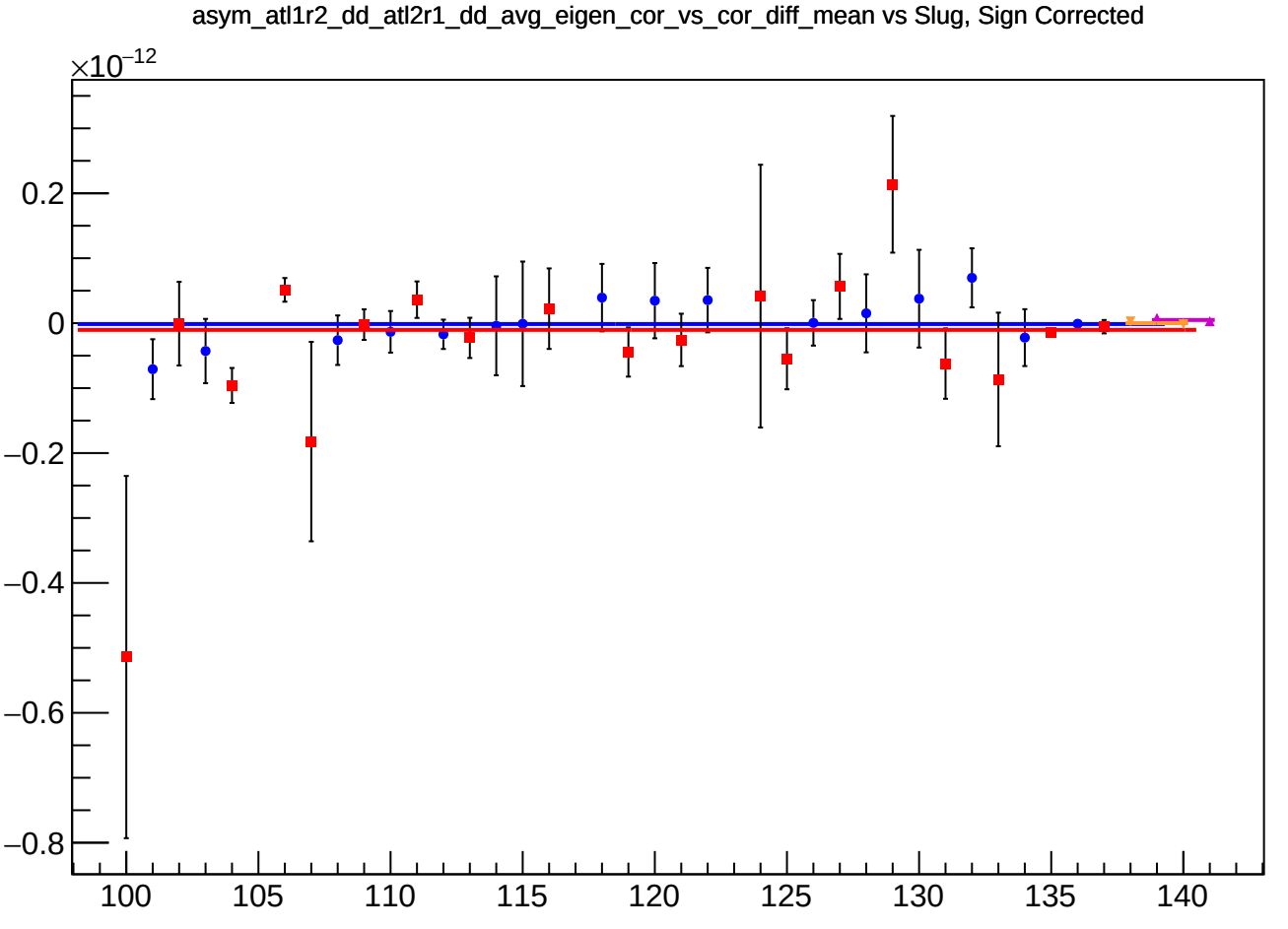
Left: 27.433+/-0.012 χ^2/NDF: 340341.2/3

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

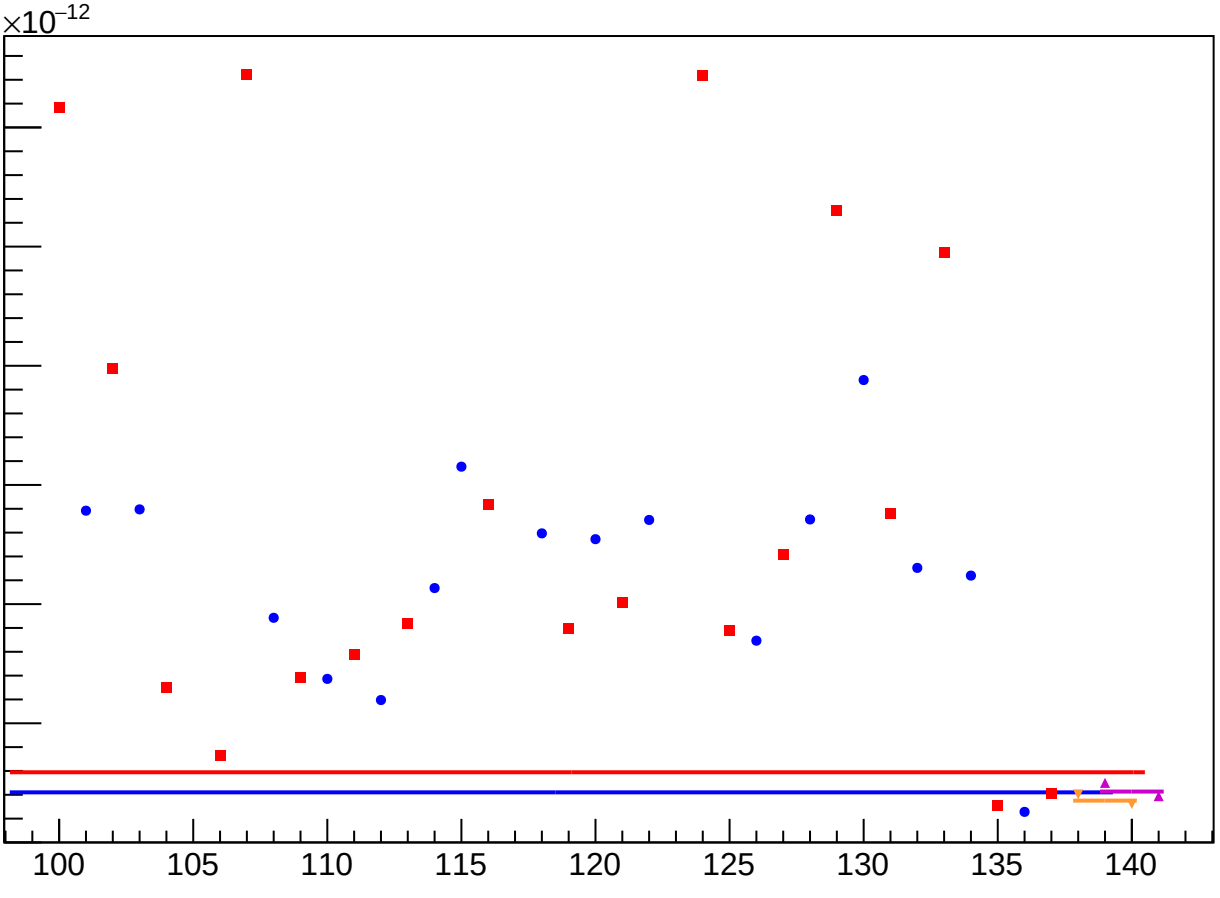
In: 33.448+/-0.009 χ^2/NDF:2554549.3/17

Out: 32.440+/-0.009 χ^2/NDF:3265141.4/20

All: 32.944+/-0.007 χ^2/NDF: 5825689.9/38


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.2
0
−0.2
−0.4
−0.6
−0.8
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: -0.000+/-0.000 χ²/NDF:0.4/1
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.4/1
Left: 0.000+/-0.000 χ²/NDF: 1.7/3
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:10.4/17
Out: -0.000+/-0.000 χ²/NDF:44.0/20
All: -0.000+/-0.000 χ²/NDF: 56.5/38

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:27633.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:36200.5/1

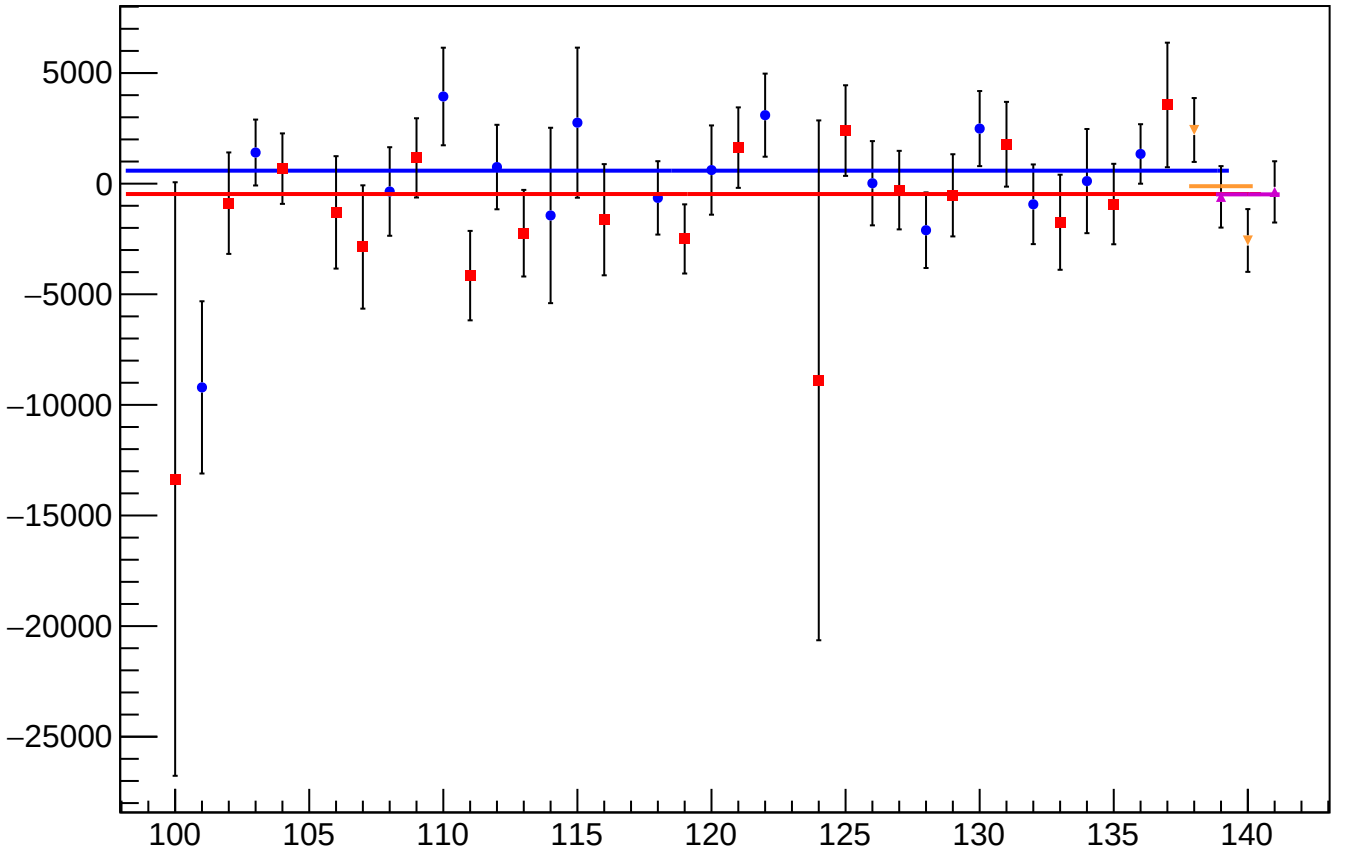
Left: 0.000+/-0.000 χ^2/NDF: 108090.8/3

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5116743.1/17

Out: 0.000+/-0.000 χ^2/NDF:5291341.8/20

All: 0.000+/-0.000 χ^2/NDF: 10413004.2/38



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.062+/-1011.922 χ^2/NDF:6.1/1

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -483.916+/-981.051 χ^2/NDF:0.0/1

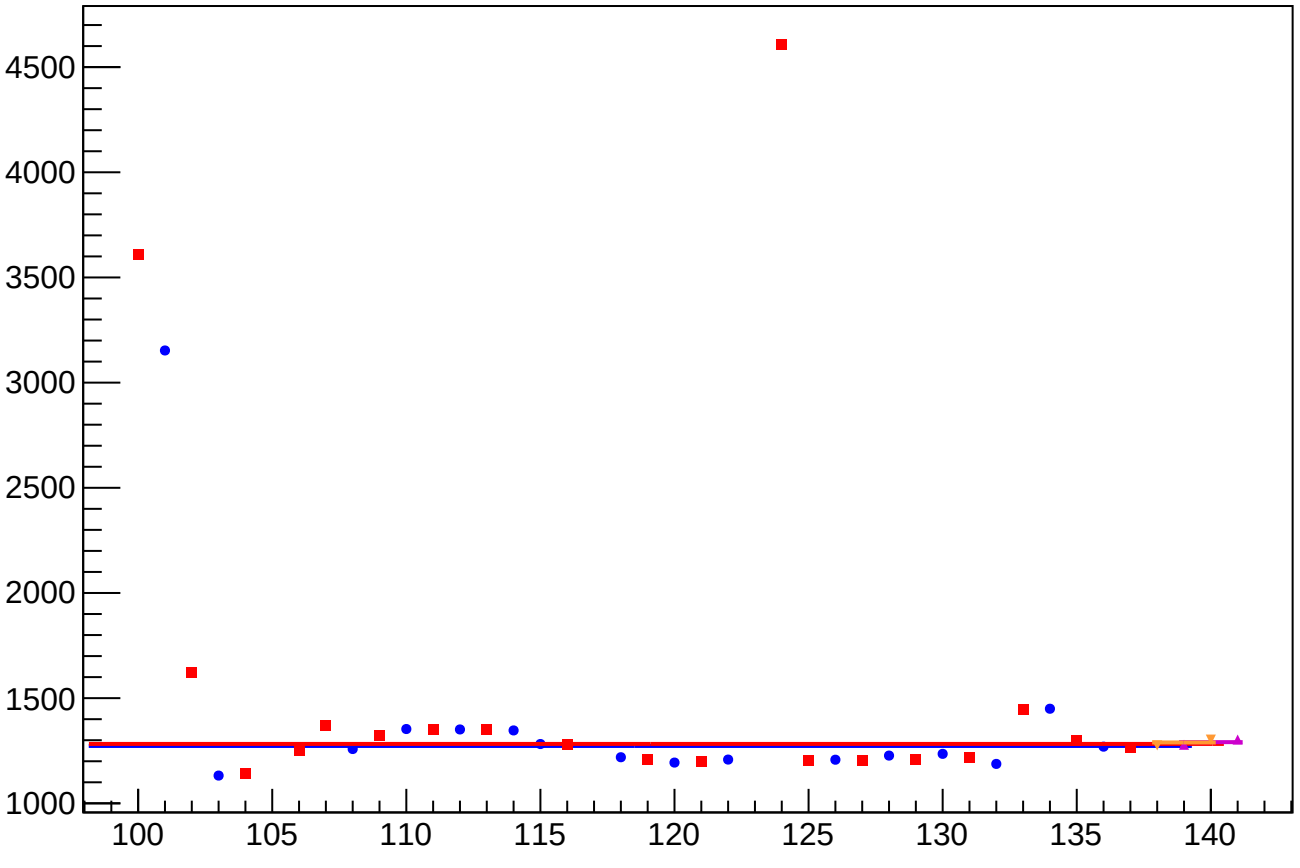
Left: -305.201+/-704.369 χ^2/NDF: 6.2/3

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 378.407+/-432.921 χ^2/NDF:18.0/17

Out: -403.886+/-434.064 χ^2/NDF:23.0/20

All: -11.708+/-306.524 χ^2/NDF: 42.7/38



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

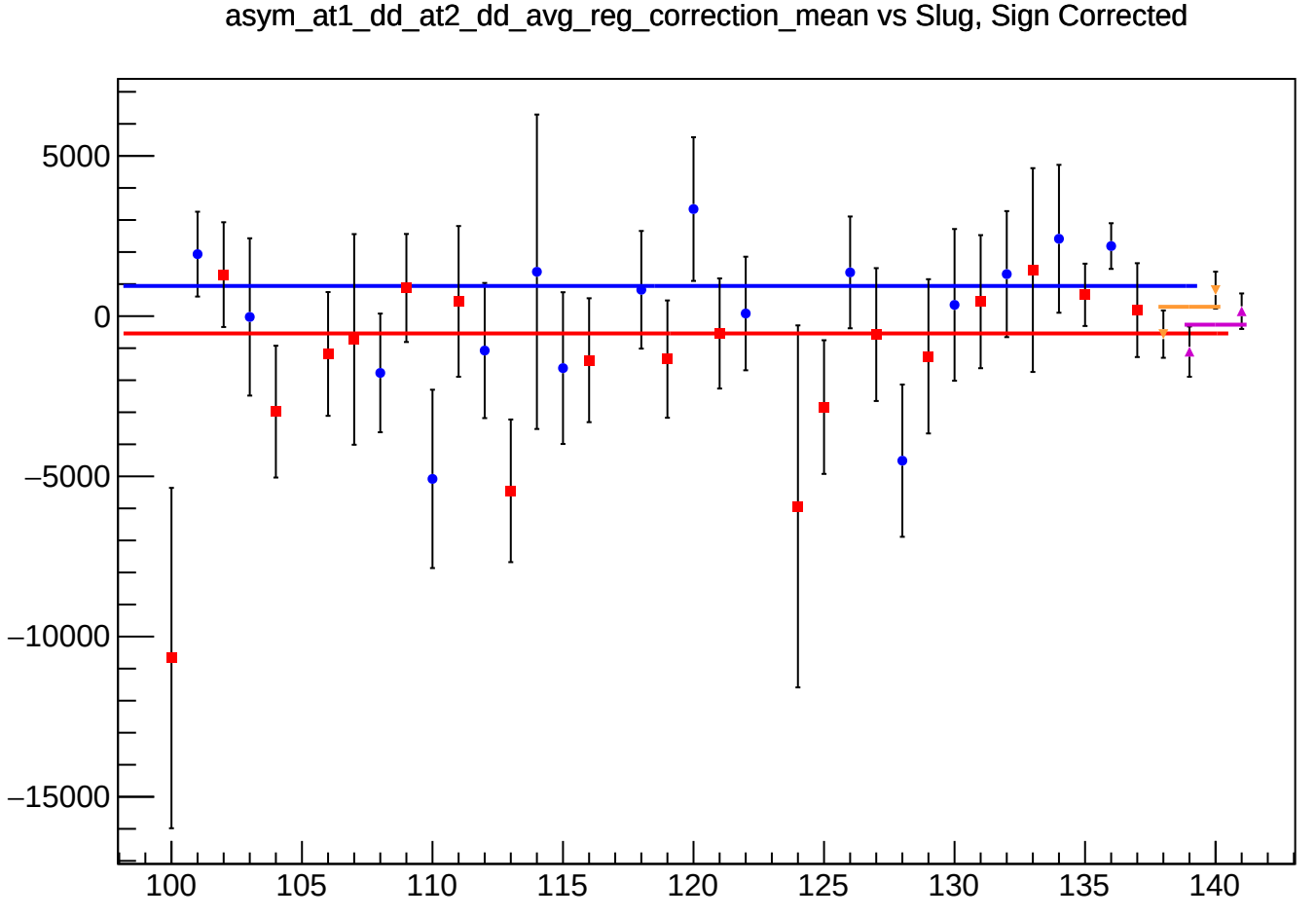
Left: 1290.160+/-0.498 χ^2/NDF: 687.7/3

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1276.328+/-0.306 χ^2/NDF:520163.0/17

Out: 1283.654+/-0.307 χ^2/NDF:322525.4/20

All: 1279.982+/-0.217 χ^2/NDF: 842974.0/38



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 291.098+/-454.354 χ^2/NDF:2.1/1

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -266.801+/-452.548 χ^2/NDF:1.7/1

Left: 11.038+/-320.637 χ^2/NDF: 4.6/3

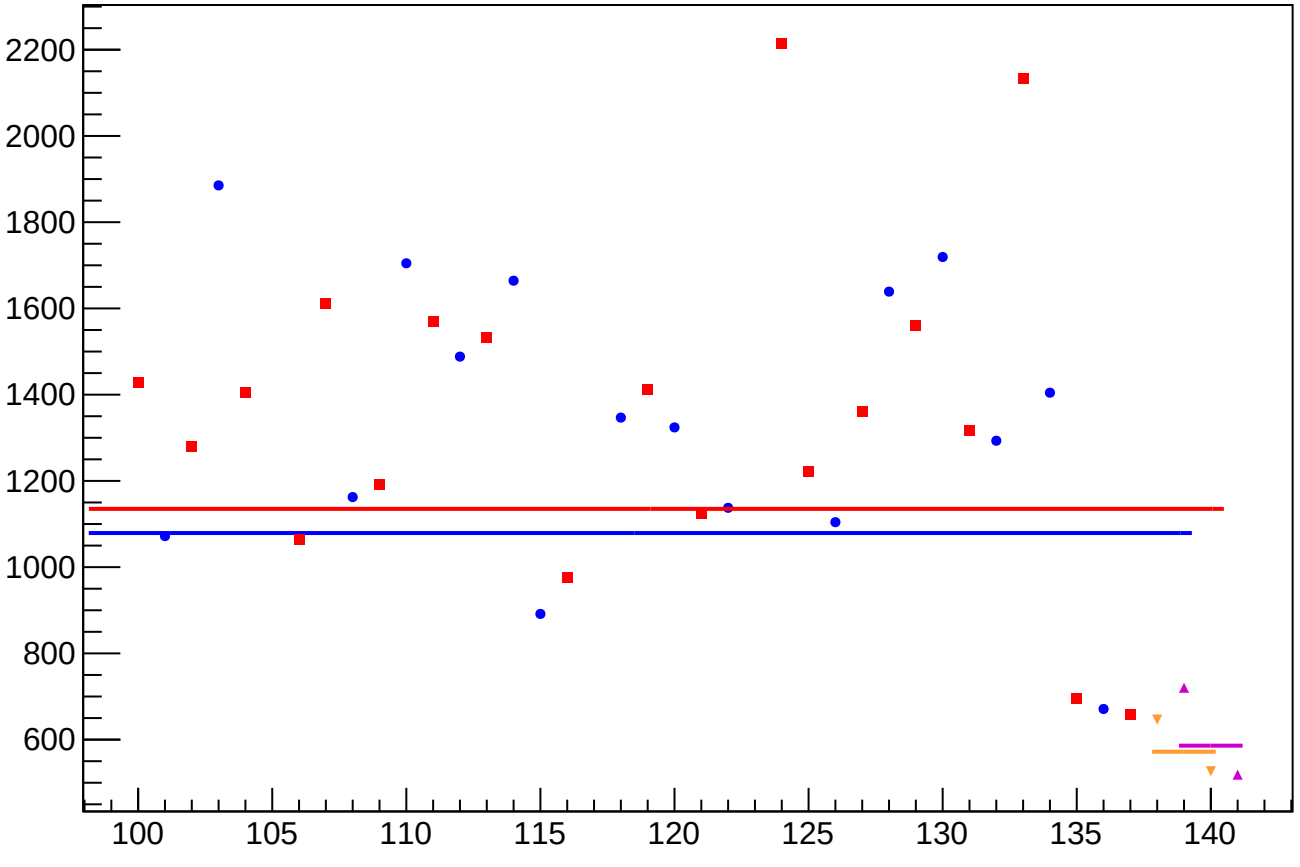
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 374.197+/-310.125 χ^2/NDF:25.4/17

Out: -138.197+/-316.045 χ^2/NDF:21.0/20

All: 122.843+/-221.355 χ^2/NDF: 47.8/38

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 572.010+/-0.321 χ^2/NDF:32656.8/1

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 585.978+/-0.320 χ^2/NDF:88146.9/1

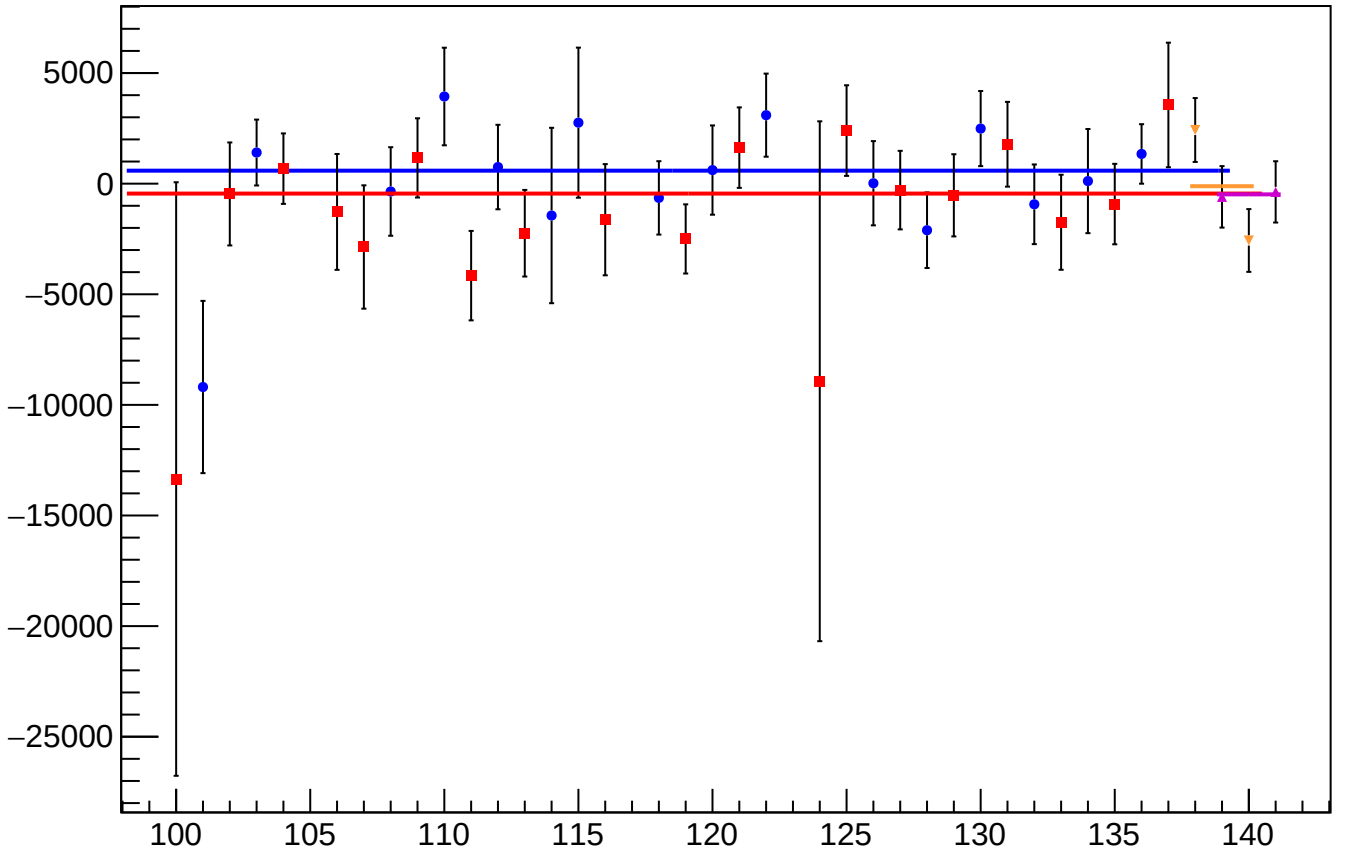
Left: 579.022+/-0.227 χ^2/NDF: 121752.7/3

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 847.531+/-0.219 χ^2/NDF:2829975.1/17

Out: 862.682+/-0.223 χ^2/NDF:2911617.0/20

All: 854.964+/-0.157 χ^2/NDF: 5743933.6/38



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF:6.1/1

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -483.795+/-981.051 χ^2/NDF:0.0/1

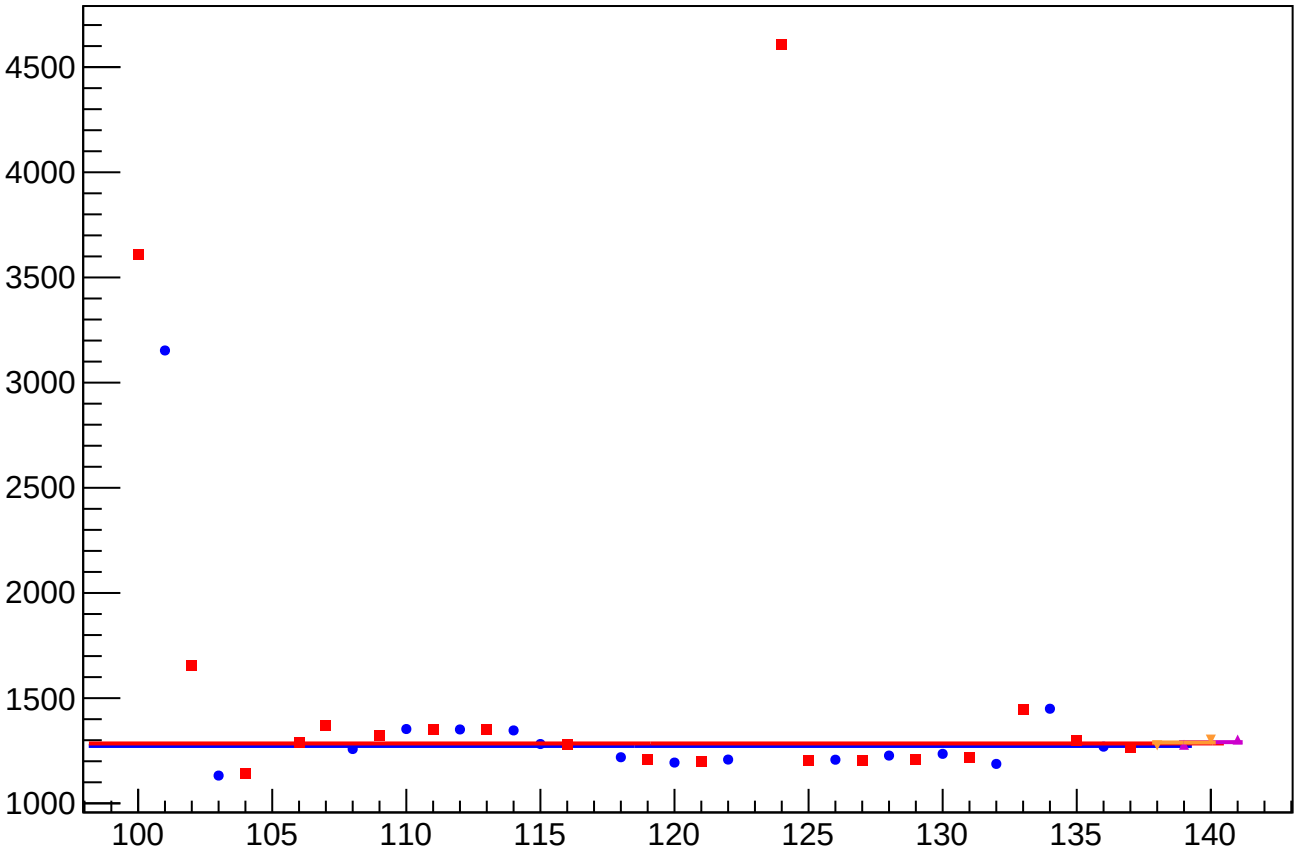
Left: -305.160+/-704.369 χ^2/NDF: 6.2/3

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 378.688+/-432.921 χ^2/NDF:18.0/17

Out: -386.914+/-434.666 χ^2/NDF:23.0/20

All: -2.573+/-306.736 χ^2/NDF: 42.6/38



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

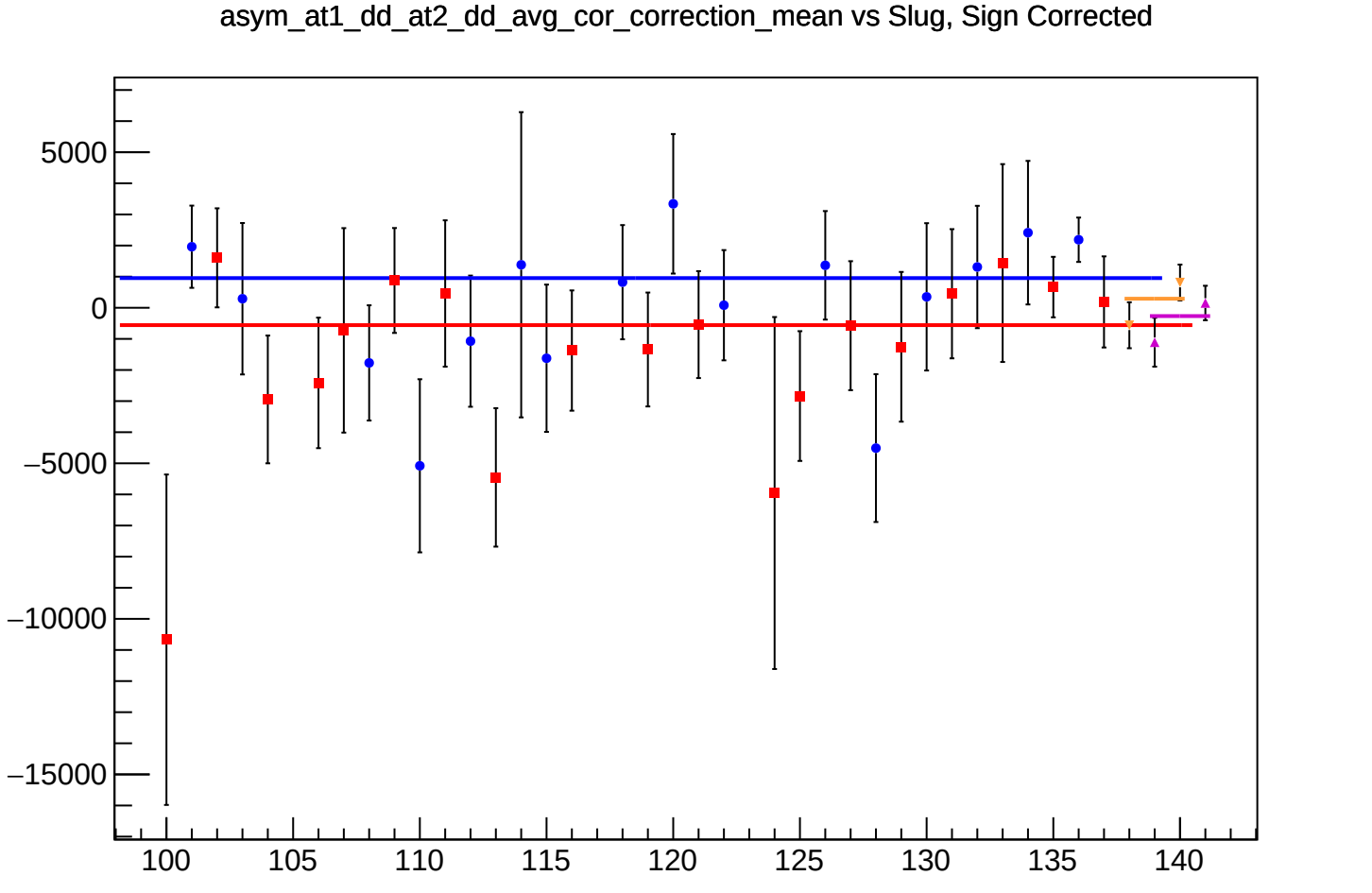
Left: 1290.161+/-0.498 χ^2/NDF: 687.7/3

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1276.328+/-0.306 χ^2/NDF:520164.5/17

Out: 1285.525+/-0.307 χ^2/NDF:329138.9/20

All: 1280.908+/-0.217 χ^2/NDF: 849752.8/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 291.304+/-454.368 χ^2/NDF:2.1/1

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -266.941+/-452.536 χ^2/NDF:1.7/1

Left: 11.054+/-320.637 χ^2/NDF: 4.6/3

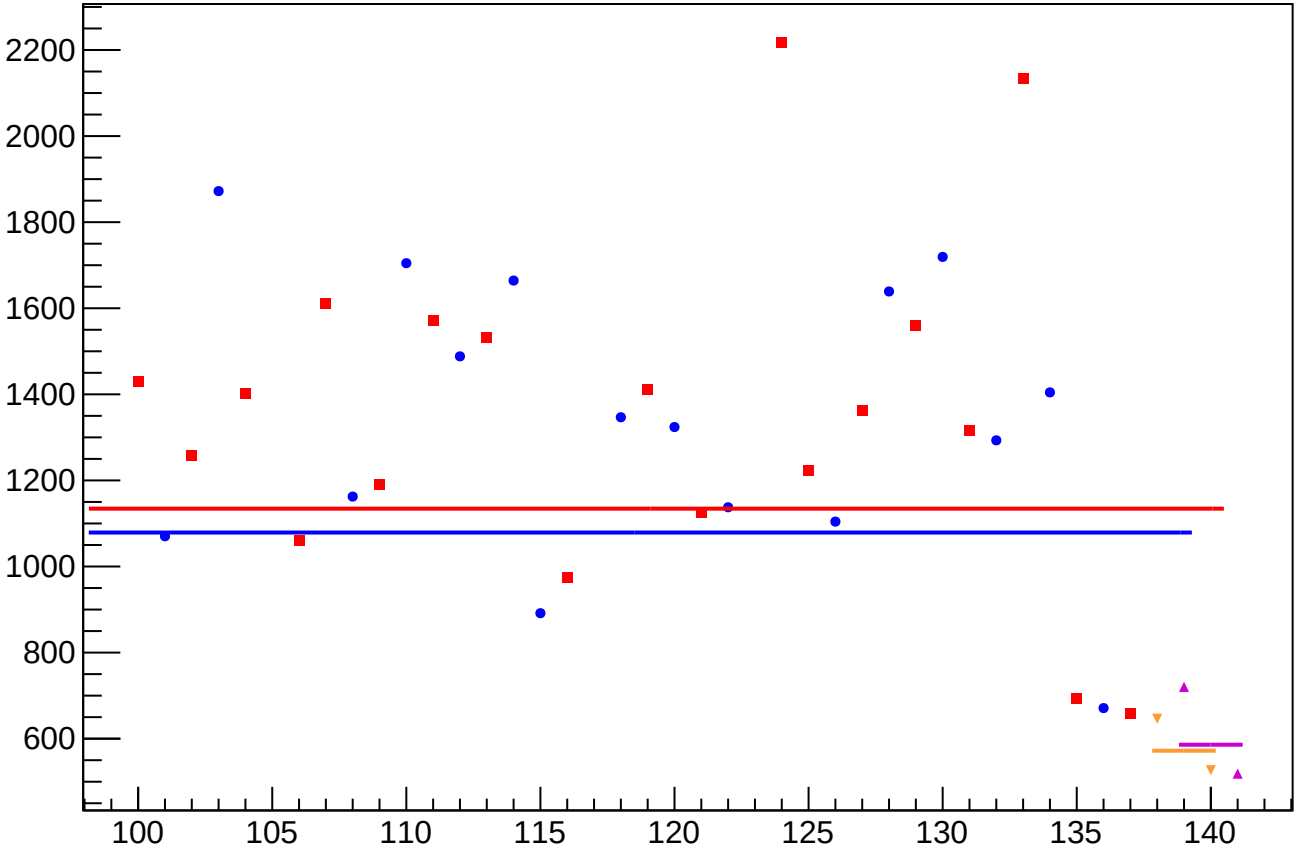
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 380.937+/-310.053 χ^2/NDF:25.4/17

Out: -146.225+/-316.365 χ^2/NDF:22.3/20

All: 122.667+/-221.439 χ^2/NDF: 49.2/38

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 572.029+/-0.321 χ^2/NDF:32638.6/1

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

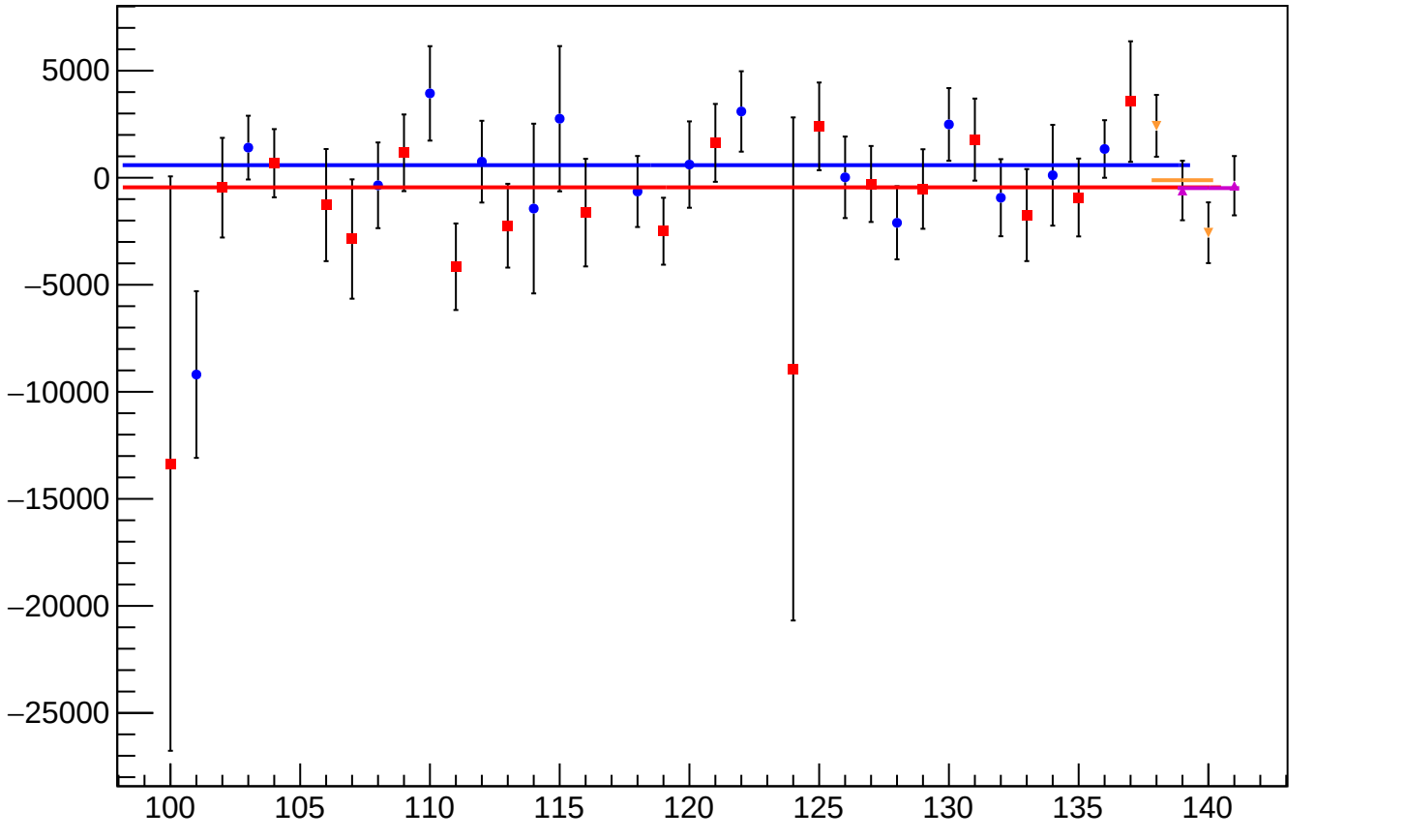
Left: 579.023+/-0.227 χ^2/NDF: 121744.9/3

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 847.518+/-0.219 χ^2/NDF:2826137.7/17

Out: 861.778+/-0.224 χ^2/NDF:2900166.1/20

All: 854.504+/-0.157 χ^2/NDF: 5728376.2/38



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -115.105+/-1011.922 χ^2/NDF:6.1/1

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -483.795+/-981.051 χ^2/NDF:0.0/1

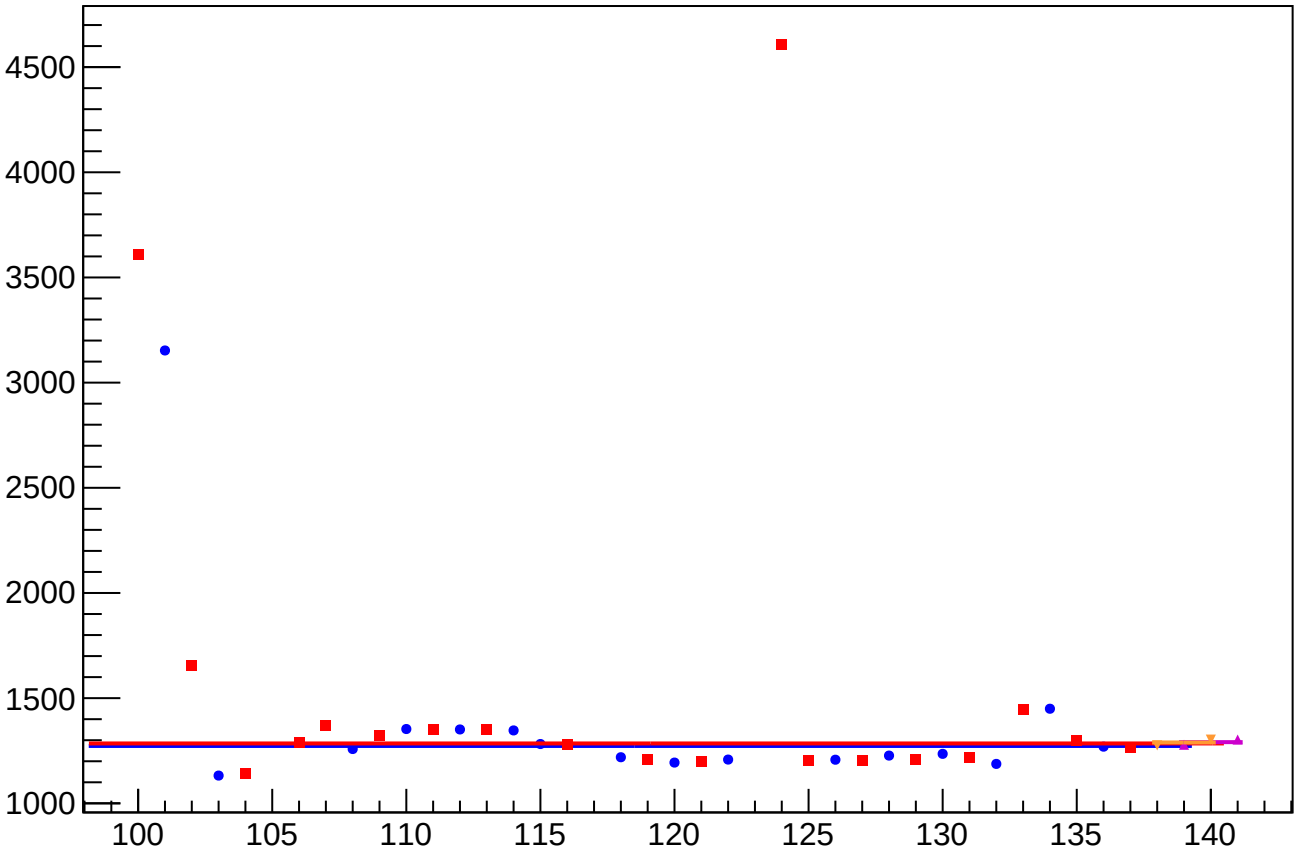
Left: -305.160+/-704.369 χ^2/NDF: 6.2/3

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 378.688+/-432.921 χ^2/NDF:18.0/17

Out: -386.914+/-434.666 χ^2/NDF:23.0/20

All: -2.573+/-306.736 χ^2/NDF: 42.6/38



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1289.372+/-0.716 χ^2/NDF:368.5/1

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

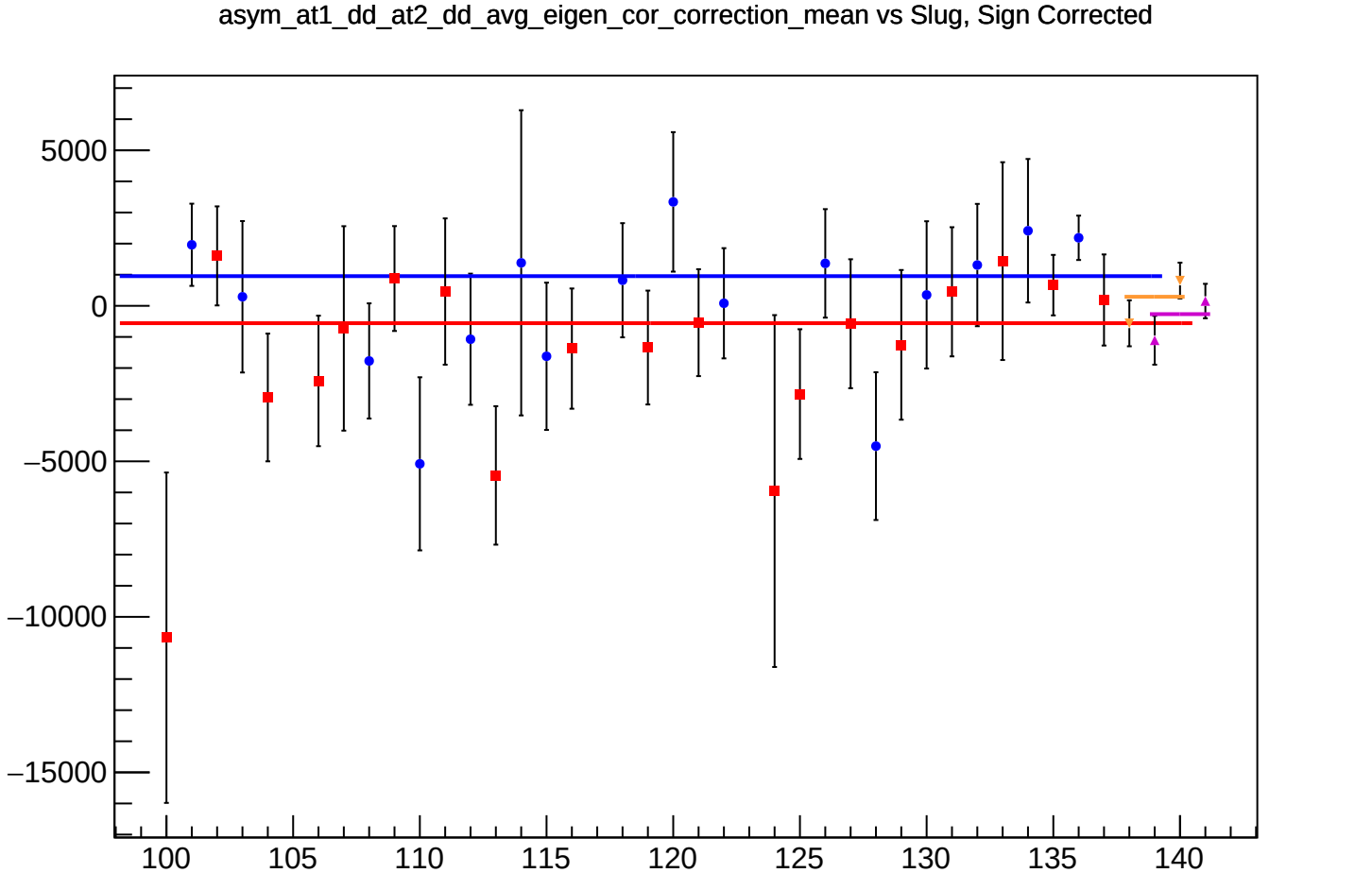
Left: 1290.161+/-0.498 χ^2/NDF: 687.7/3

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1276.328+/-0.306 χ^2/NDF:520164.5/17

Out: 1285.525+/-0.307 χ^2/NDF:329138.9/20

All: 1280.908+/-0.217 χ^2/NDF: 849752.8/38



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 291.304+/-454.368 χ^2/NDF:2.1/1

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -266.941+/-452.536 χ^2/NDF:1.7/1

Left: 11.054+/-320.637 χ^2/NDF: 4.6/3

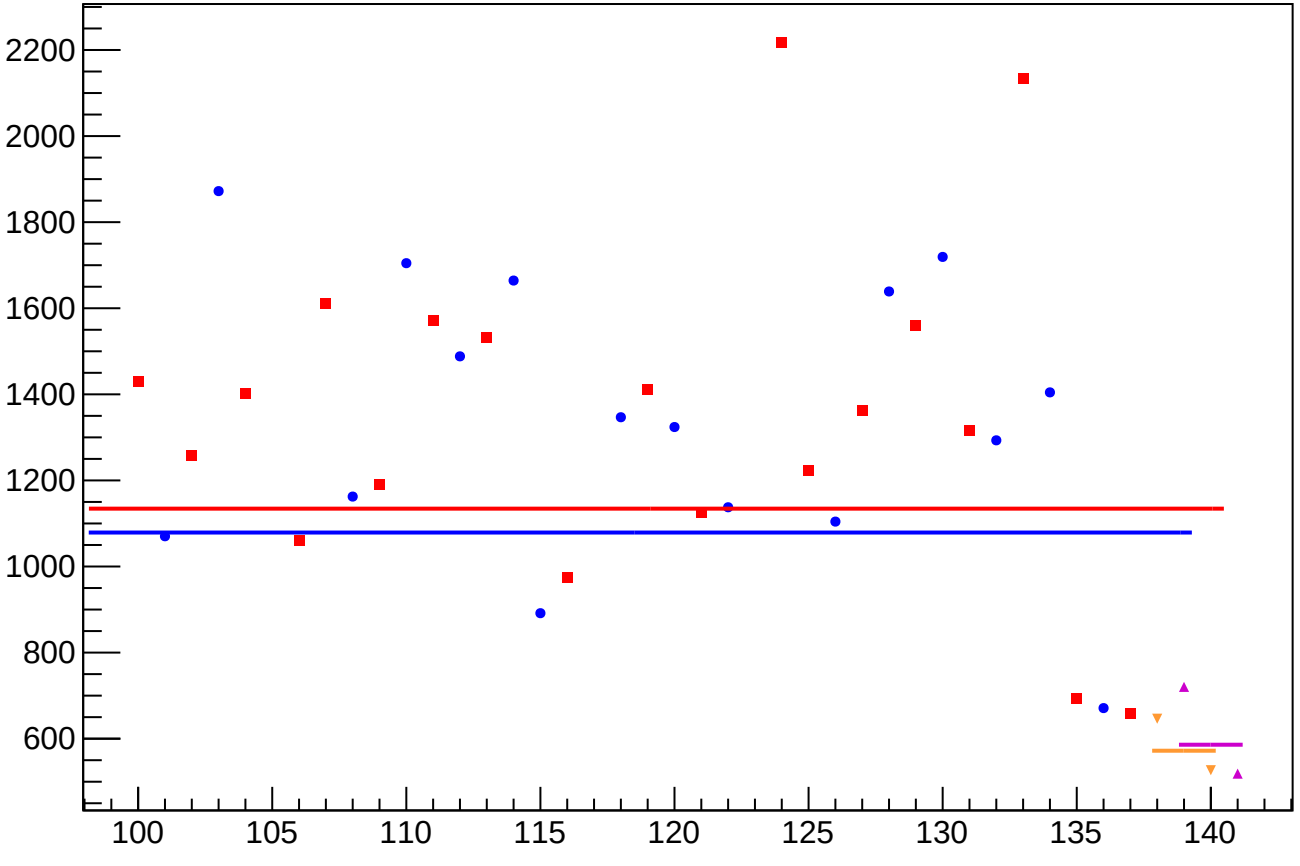
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 380.937+/-310.053 χ^2/NDF:25.4/17

Out: -146.225+/-316.365 χ^2/NDF:22.3/20

All: 122.667+/-221.439 χ^2/NDF: 49.2/38

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 572.029+/-0.321 χ^2/NDF:32638.6/1

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

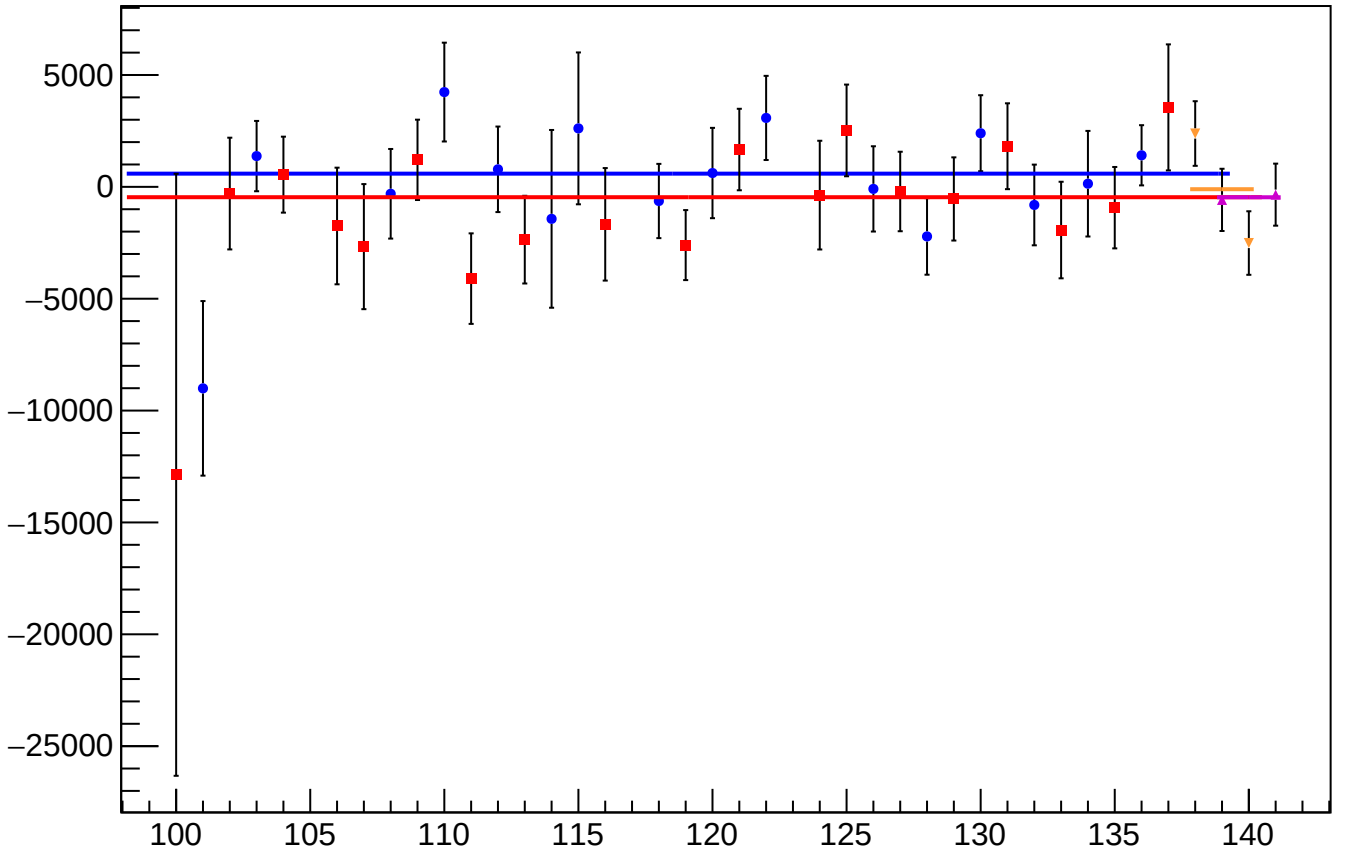
Left: 579.023+/-0.227 χ^2/NDF: 121744.9/3

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 847.518+/-0.219 χ^2/NDF:2826137.7/17

Out: 861.778+/-0.224 χ^2/NDF:2900166.1/20

All: 854.504+/-0.157 χ^2/NDF: 5728376.2/38



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -105.070+/-1012.604 χ^2/NDF:5.8/1

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -465.013+/-981.815 χ^2/NDF:0.0/1

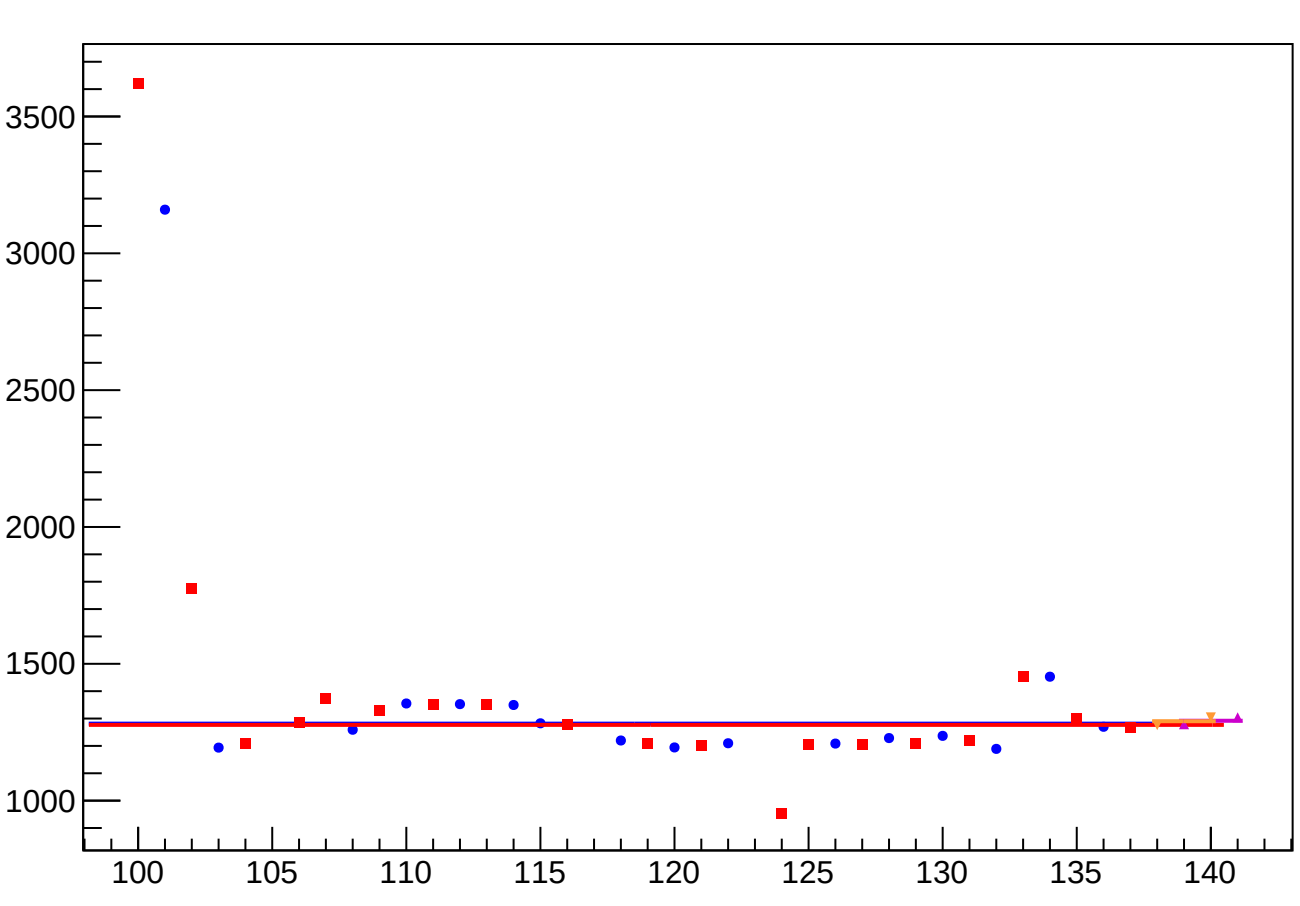
Left: -290.597+/-704.882 χ^2/NDF: 5.9/3

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 382.983+/-435.186 χ^2/NDF:18.1/17

Out: -397.722+/-431.368 χ^2/NDF:22.6/20

All: -10.810+/-306.364 χ^2/NDF: 42.3/38



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1290.238+/-0.716 χ^2/NDF:387.0/1

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1291.897+/-0.694 χ^2/NDF:329.8/1

Left: 1291.093+/-0.498 χ^2/NDF: 719.5/3

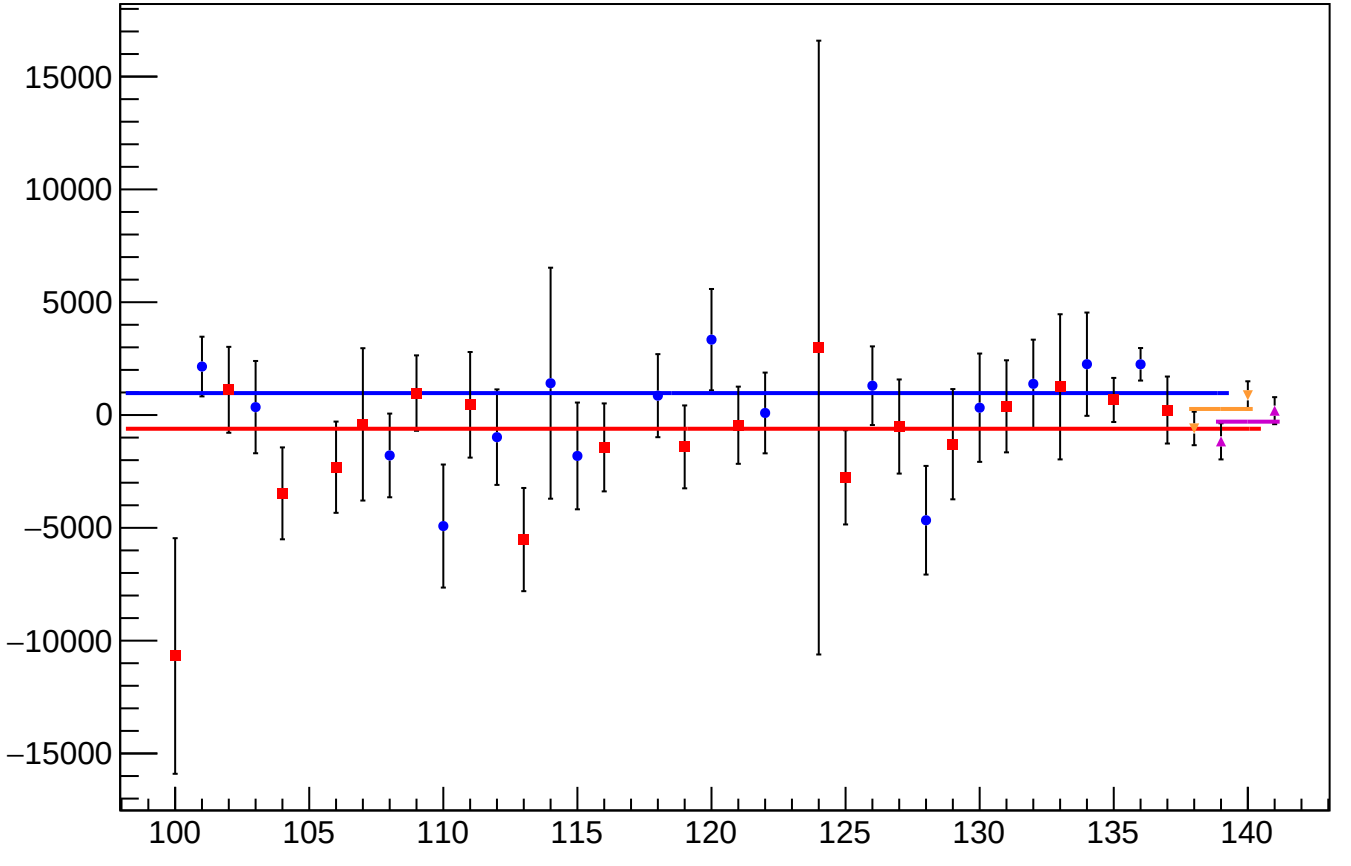
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1283.437+/-0.308 χ^2/NDF:507593.0/17

Out: 1279.288+/-0.305 χ^2/NDF:221186.3/20

All: 1281.344+/-0.217 χ^2/NDF: 728871.1/38

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 268.805+/-476.626 χ^2/NDF:2.3/1

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -294.204+/-479.501 χ^2/NDF:1.9/1

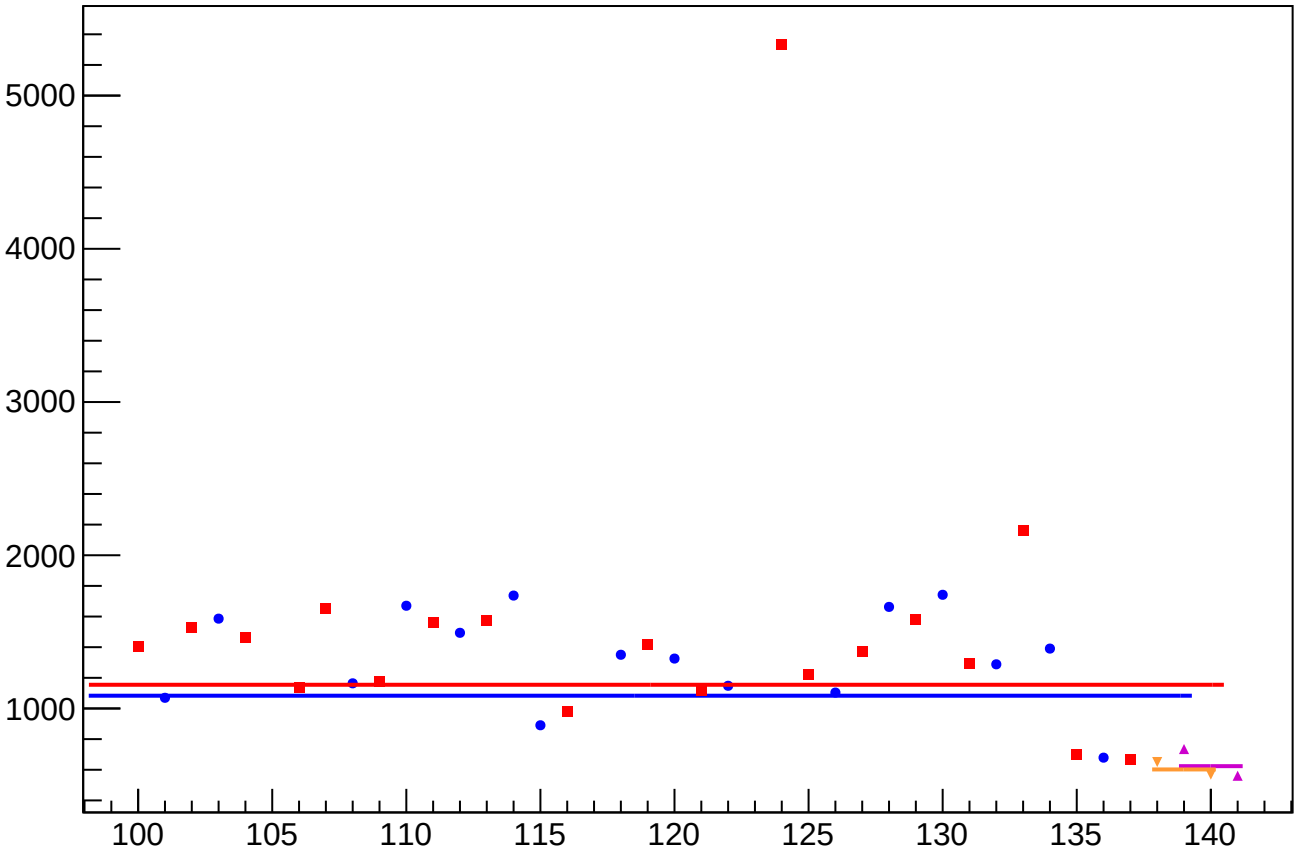
Left: -11.007+/-338.037 χ^2/NDF: 4.8/3

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 414.757+/-318.143 χ^2/NDF:26.2/17

Out: -197.205+/-326.332 χ^2/NDF:21.2/20

All: 116.550+/-227.801 χ^2/NDF: 49.2/38



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 602.065+/-0.337 χ^2/NDF:14404.4/1

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 623.559+/-0.339 χ^2/NDF:60772.0/1

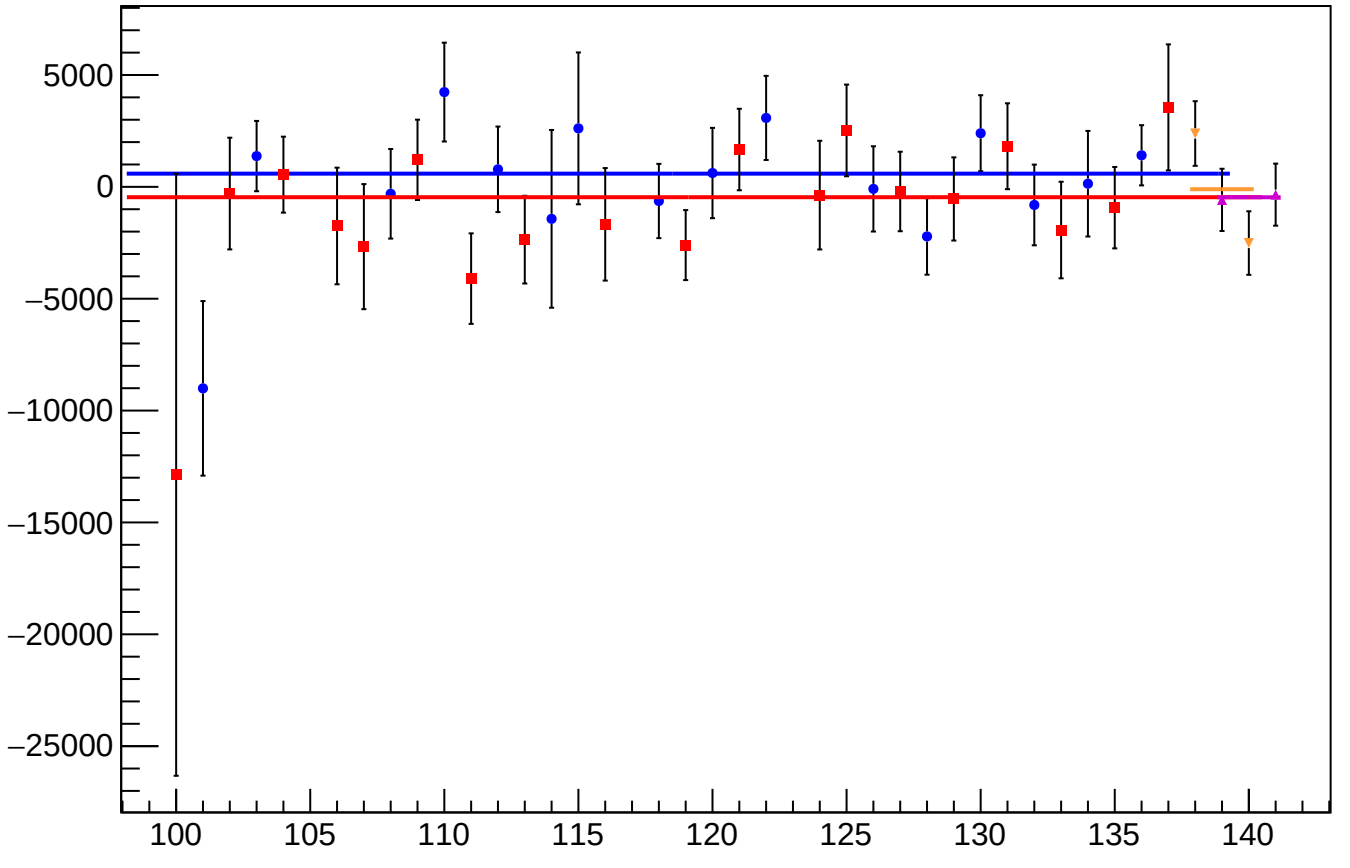
Left: 612.747+/-0.239 χ^2/NDF: 77197.9/3

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 880.934+/-0.225 χ^2/NDF:2450276.3/17

Out: 895.652+/-0.231 χ^2/NDF:2931173.2/20

All: 888.106+/-0.161 χ^2/NDF: 5383535.3/38



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -105.078+/-1012.604 χ^2/NDF:5.8/1

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -465.021+/-981.815 χ^2/NDF:0.0/1

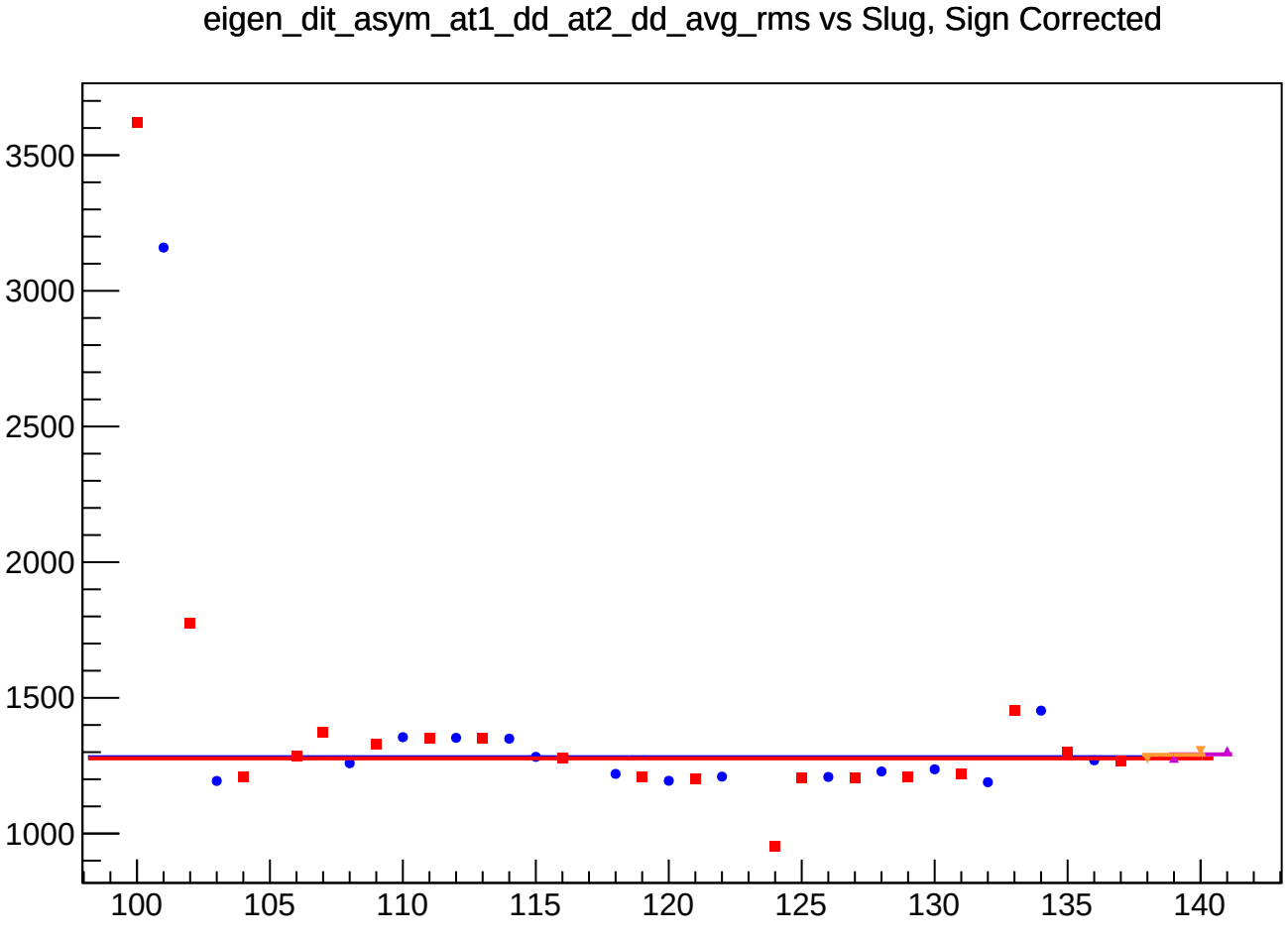
Left: -290.605+/-704.882 χ^2/NDF: 5.9/3

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

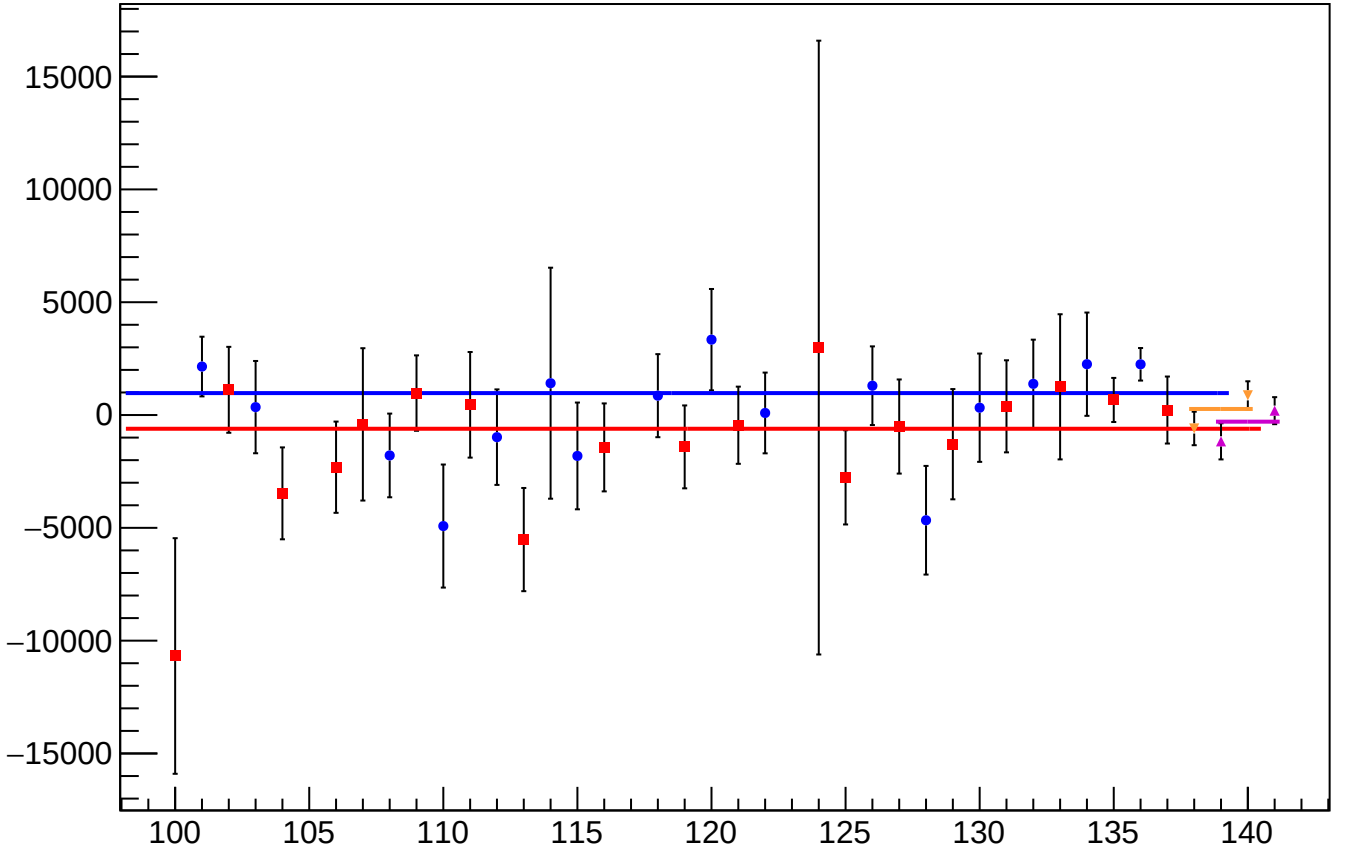
In: 382.982+/-435.186 χ^2/NDF:18.1/17

Out: -397.723+/-431.368 χ^2/NDF:22.6/20

All: -10.811+/-306.364 χ^2/NDF: 42.3/38


eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
105
110
115
120
125
130
135
140
Right In: 1281.369+/-0.343 χ²/NDF: 507078.6/15
Left Out: 1290.238+/-0.716 χ²/NDF:387.0/1
Right Out: 1276.860+/-0.337 χ²/NDF: 220513.5/18
Left In: 1291.898+/-0.694 χ²/NDF:329.8/1
Left: 1291.093+/-0.498 χ²/NDF: 719.6/3
Right: 1279.074+/-0.241 χ²/NDF: 727679.9/34
In: 1283.437+/-0.308 χ²/NDF:507593.2/17
Out: 1279.288+/-0.305 χ²/NDF:221186.2/20
All: 1281.344+/-0.217 χ²/NDF: 728871.1/38

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 268.810+/-476.631 χ^2/NDF:2.3/1

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -294.202+/-479.505 χ^2/NDF:1.9/1

Left: -11.004+/-338.040 χ^2/NDF: 4.8/3

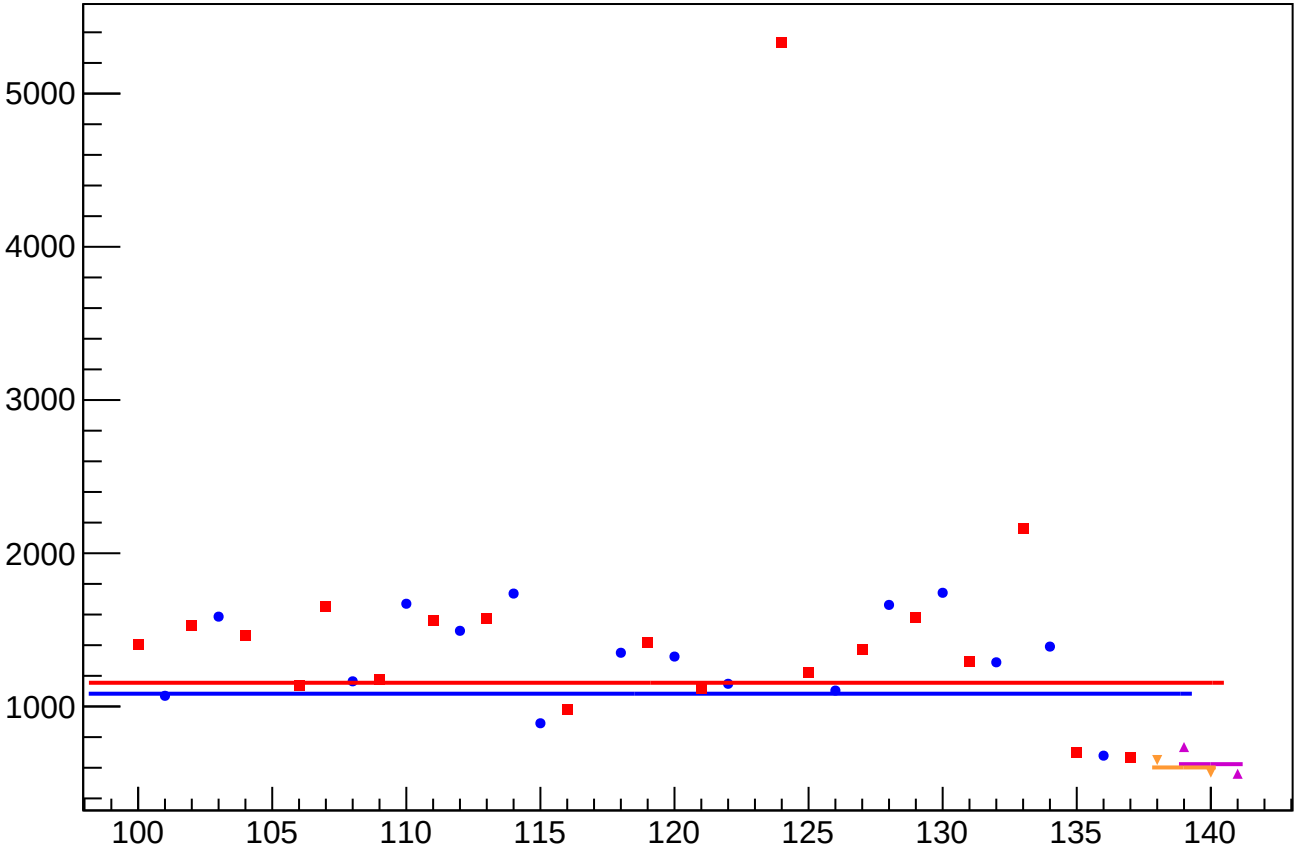
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 414.758+/-318.145 χ^2/NDF:26.2/17

Out: -197.211+/-326.334 χ^2/NDF:21.2/20

All: 116.548+/-227.803 χ^2/NDF: 49.2/38

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 602.071+/-0.337 χ^2/NDF:14407.5/1

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 623.564+/-0.339 χ^2/NDF:60777.2/1

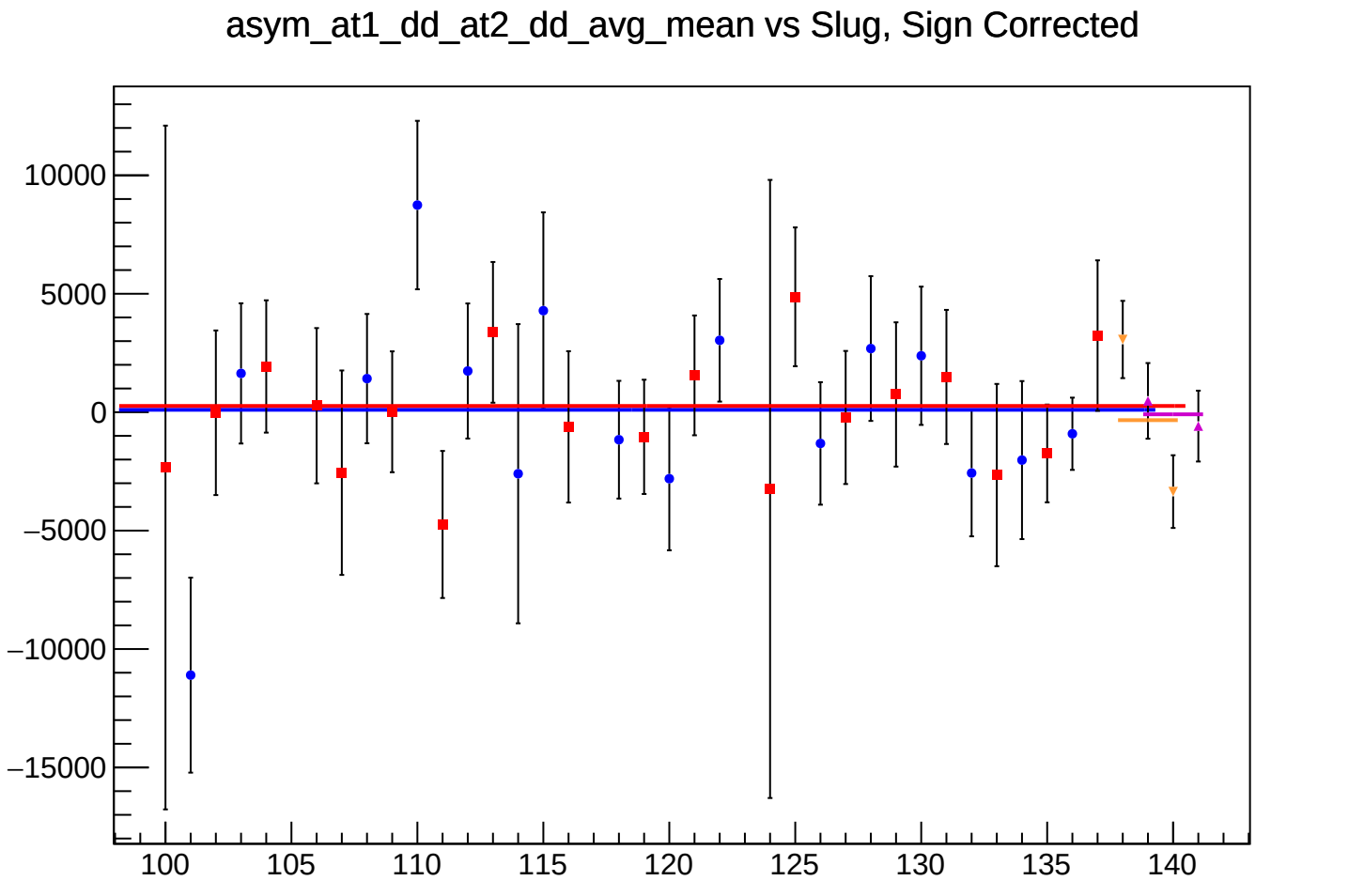
Left: 612.753+/-0.239 χ^2/NDF: 77205.9/3

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 880.941+/-0.225 χ^2/NDF:2450216.9/17

Out: 895.660+/-0.231 χ^2/NDF:2931107.0/20

All: 888.113+/-0.161 χ^2/NDF: 5383410.1/38



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -336.732+/-1118.070 χ^2/NDF:8.2/1

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -90.169+/-1091.699 χ^2/NDF:0.2/1

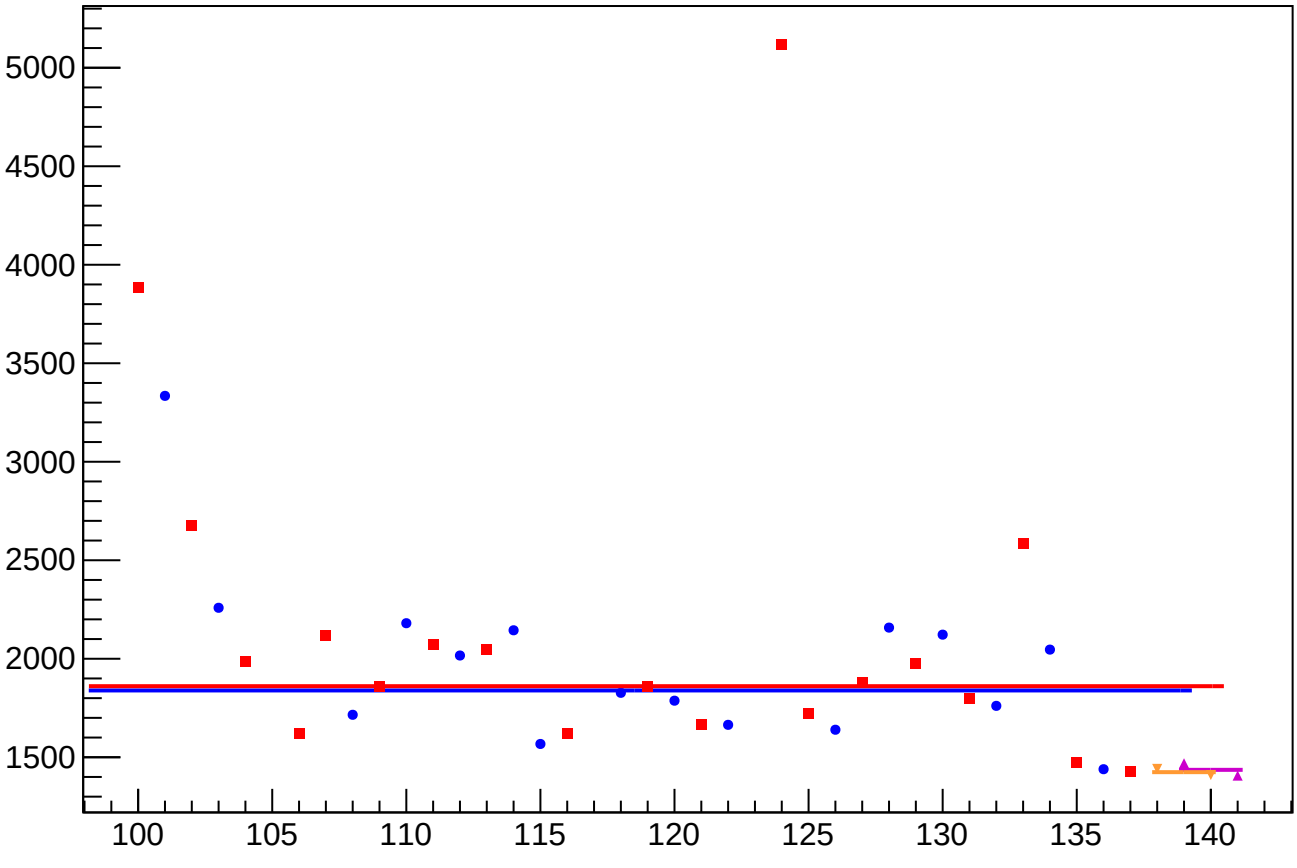
Left: -210.508+/-781.105 χ^2/NDF: 8.5/3

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 45.028+/-588.661 χ^2/NDF:21.5/17

Out: 94.020+/-593.143 χ^2/NDF:18.8/20

All: 69.338+/-417.822 χ^2/NDF: 40.3/38



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1424.369+/-0.791 χ^2/NDF:385.0/1

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1436.114+/-0.772 χ^2/NDF:1630.3/1

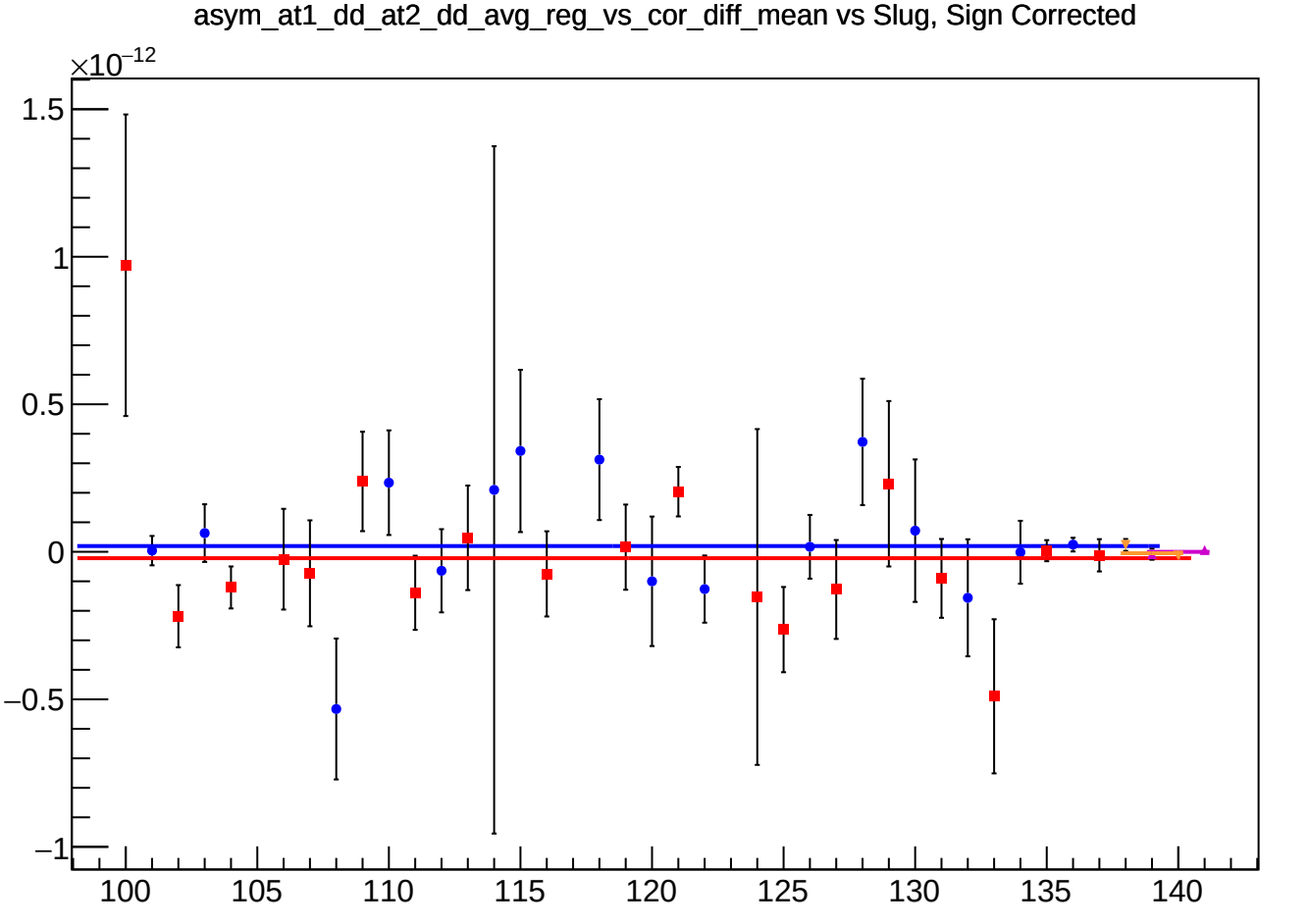
Left: 1430.382+/-0.552 χ^2/NDF: 2128.4/3

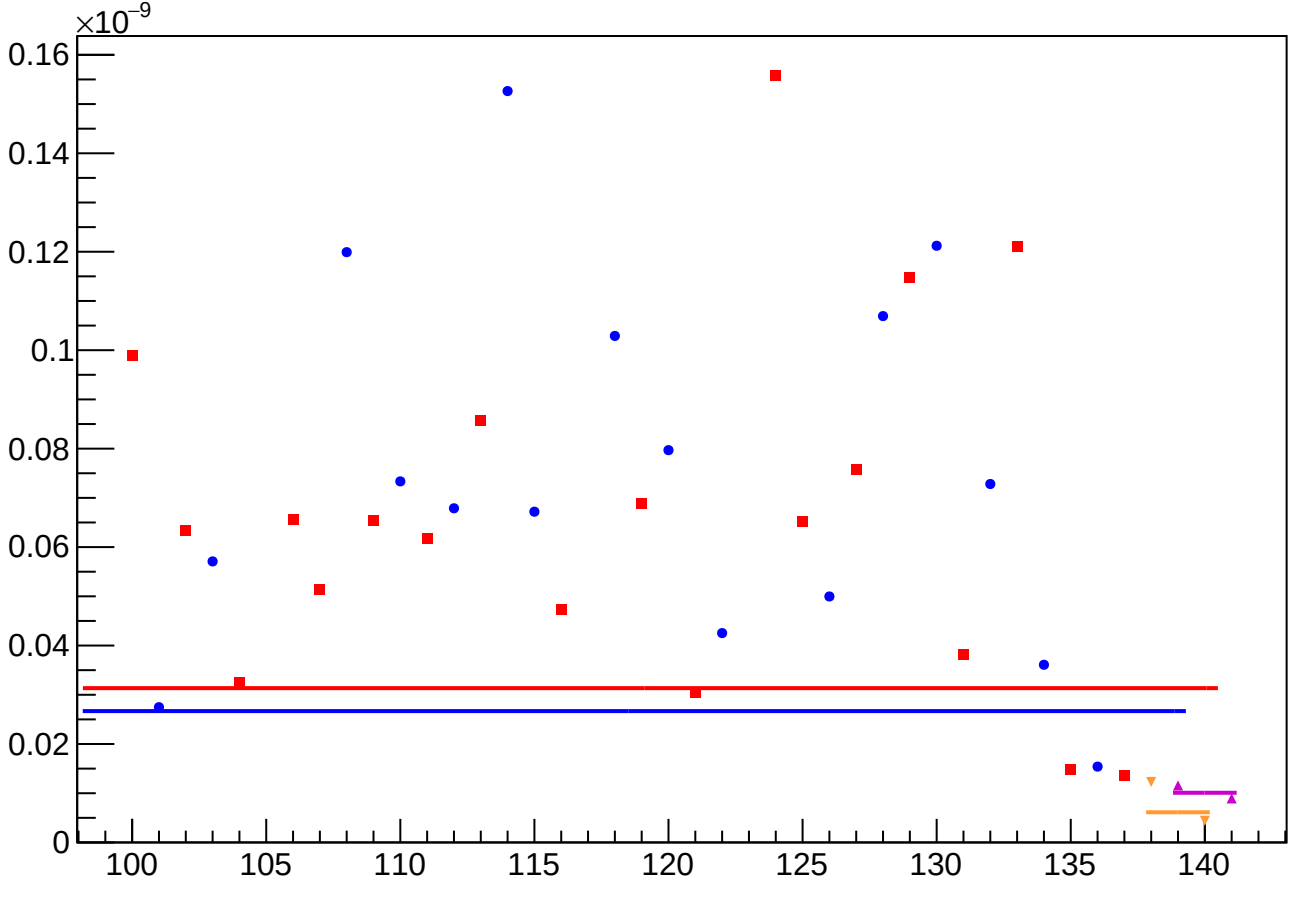
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1721.940+/-0.416 χ^2/NDF:751654.7/17

Out: 1737.941+/-0.419 χ^2/NDF:741426.0/20

All: 1729.880+/-0.295 χ^2/NDF: 1493813.9/38


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 16.5/15
Left Out: -0.000+/-0.000 χ²/NDF:2.5/1
Right Out: -0.000+/-0.000 χ²/NDF: 28.2/18
Left In: -0.000+/-0.000 χ²/NDF:0.3/1
Left: -0.000+/-0.000 χ²/NDF: 2.9/3
Right: 0.000+/-0.000 χ²/NDF: 46.7/34
In: 0.000+/-0.000 χ²/NDF:17.6/17
Out: -0.000+/-0.000 χ²/NDF:31.1/20
All: -0.000+/-0.000 χ²/NDF: 49.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:237810.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:22407.9/1

Left: 0.000+/-0.000 χ^2/NDF: 390224.3/3

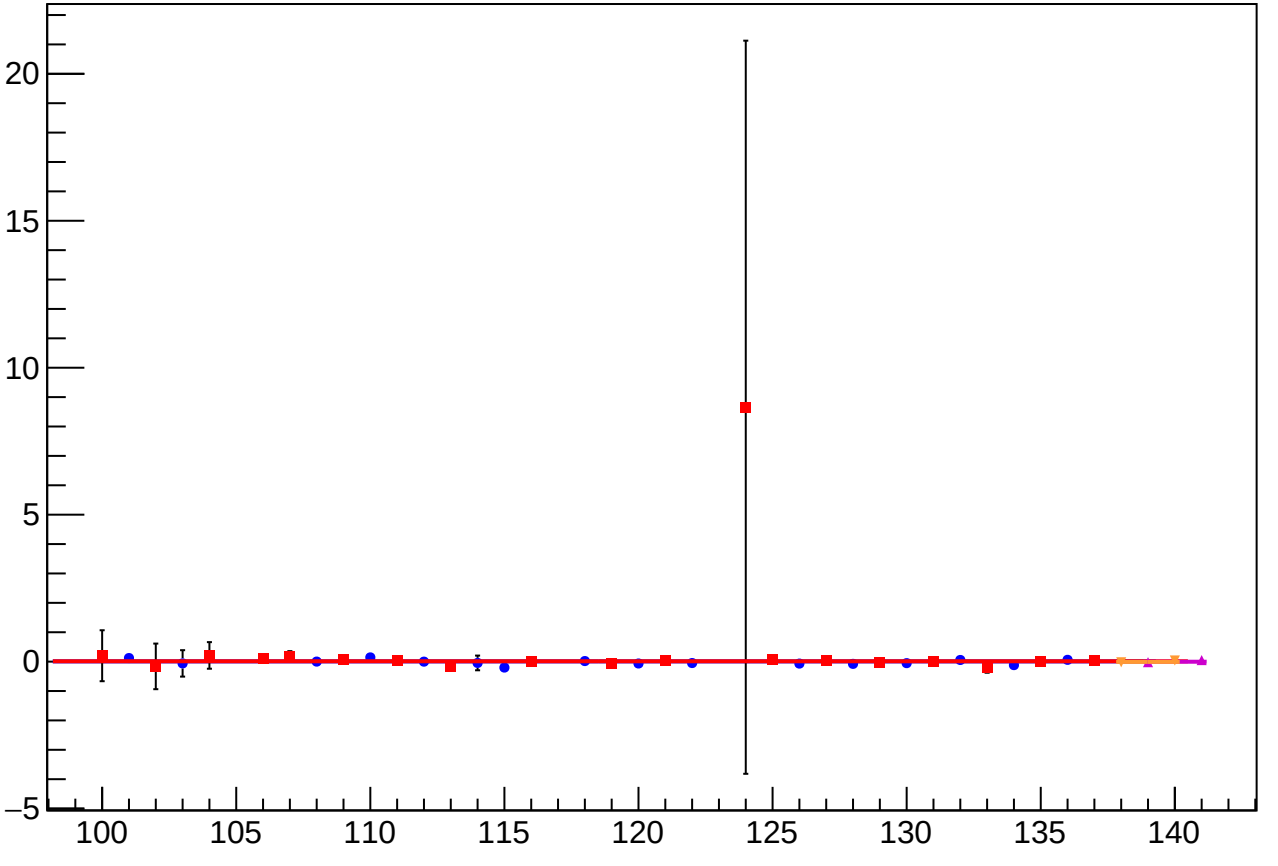
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:3690838.9/17

Out: 0.000+/-0.000 χ^2/NDF:4682434.0/20

All: 0.000+/-0.000 χ^2/NDF: 8661876.1/38

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.024 χ^2/NDF:1.4/1

Left: -0.006+/-0.017 χ^2/NDF: 2.5/3

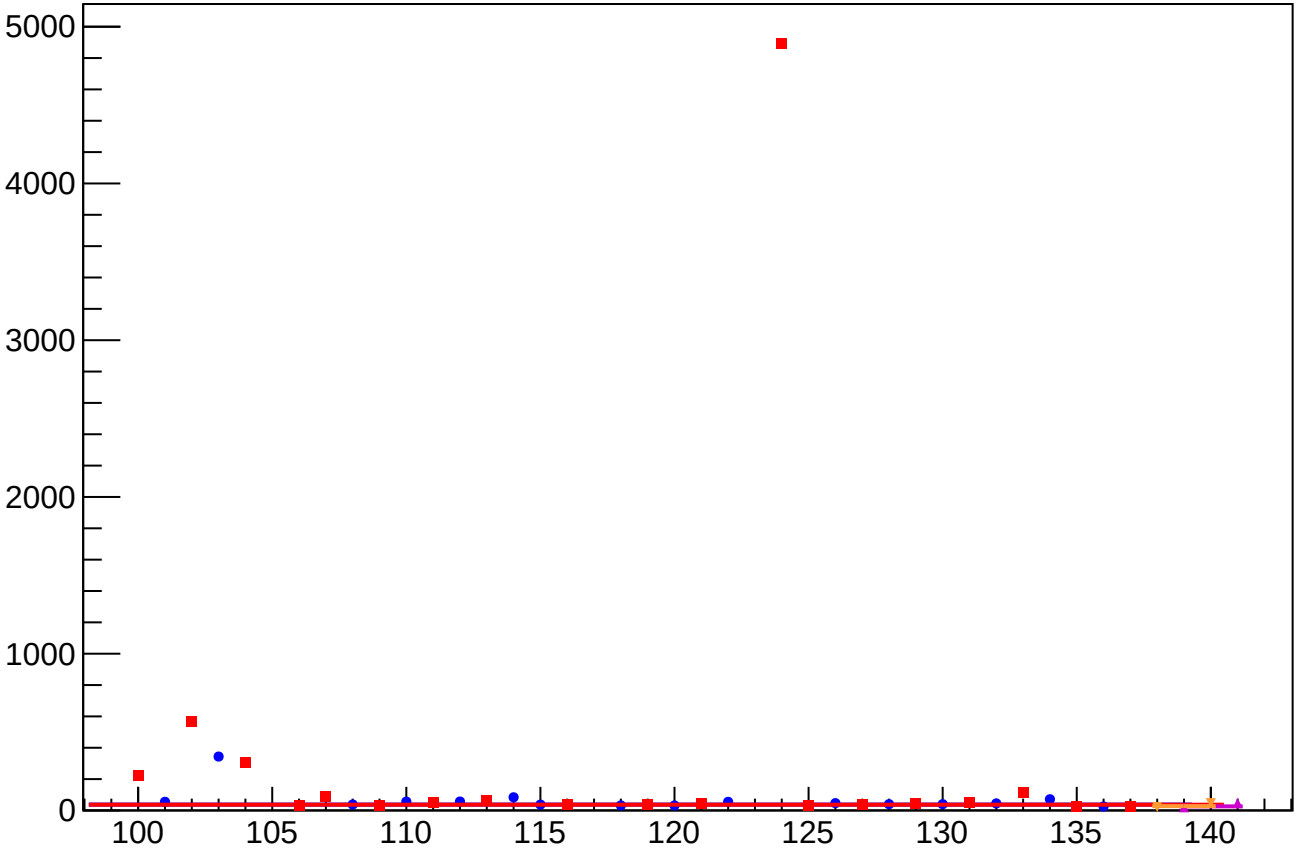
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.005+/-0.010 χ^2/NDF: 35.0/38

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 27.541+/-0.018 χ^2/NDF:337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 26.130+/-0.017 χ^2/NDF:417356.7/1

Left: 26.806+/-0.012 χ^2/NDF: 758207.1/3

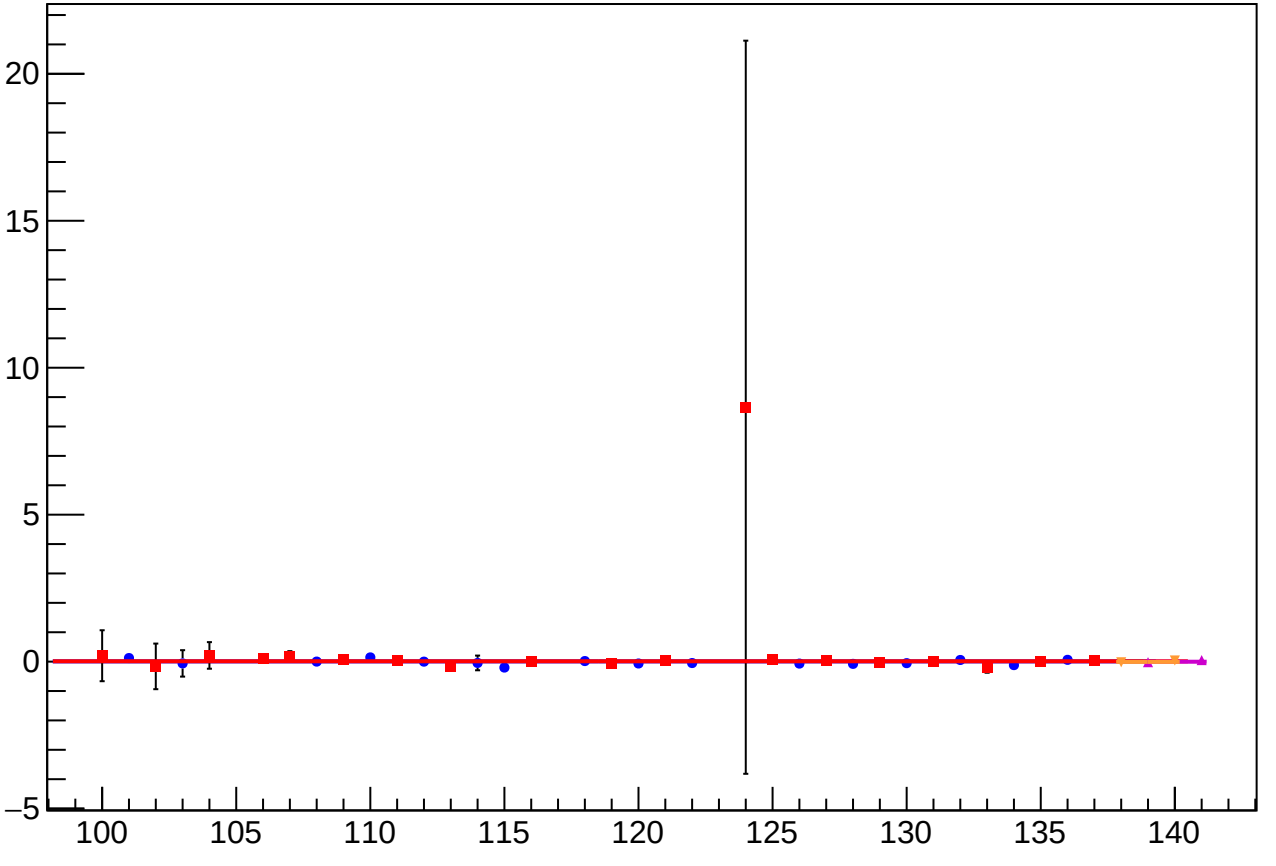
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.015+/-0.009 χ^2/NDF:2706564.2/17

Out: 33.977+/-0.010 χ^2/NDF:3714689.4/20

All: 33.997+/-0.007 χ^2/NDF: 6421260.9/38

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.024 χ^2/NDF:1.4/1

Left: -0.006+/-0.017 χ^2/NDF: 2.5/3

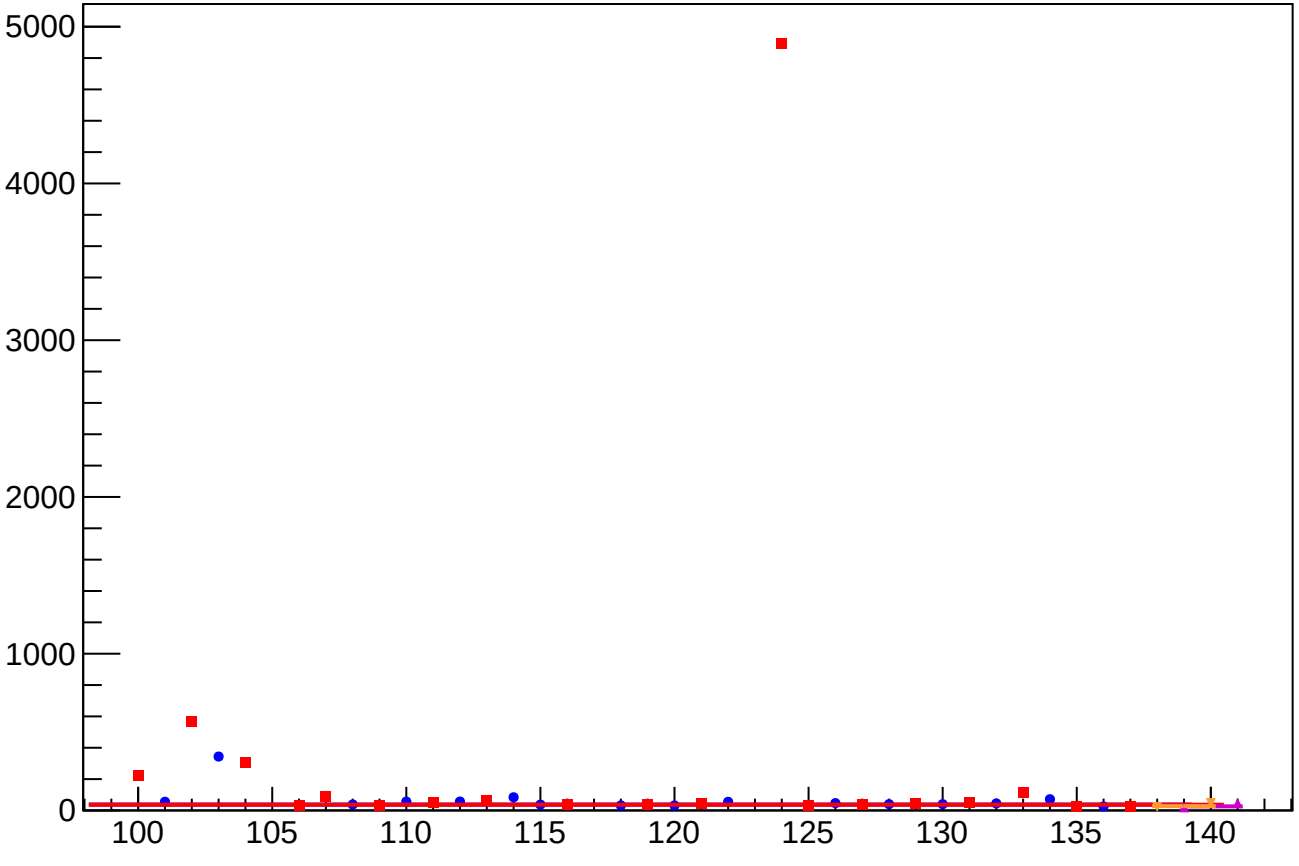
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.005+/-0.010 χ^2/NDF: 35.0/38

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 27.541+/-0.018 χ^2/NDF:337597.4/1

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 26.130+/-0.017 χ^2/NDF:417356.7/1

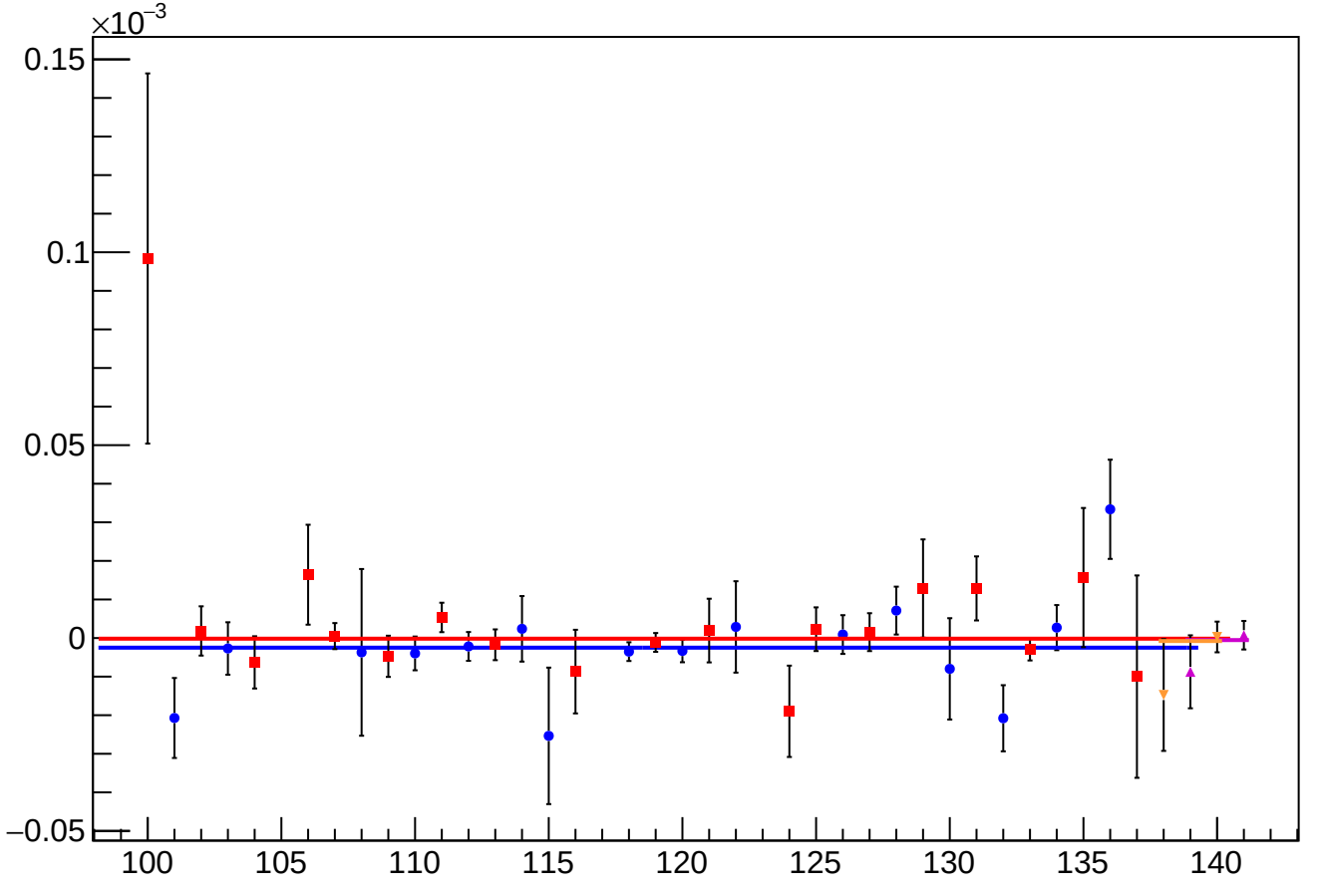
Left: 26.806+/-0.012 χ^2/NDF: 758207.1/3

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.015+/-0.009 χ^2/NDF:2706564.2/17

Out: 33.977+/-0.010 χ^2/NDF:3714689.4/20

All: 33.997+/-0.007 χ^2/NDF: 6421260.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

Left: -0.000+/-0.000 χ^2/NDF: 1.9/3

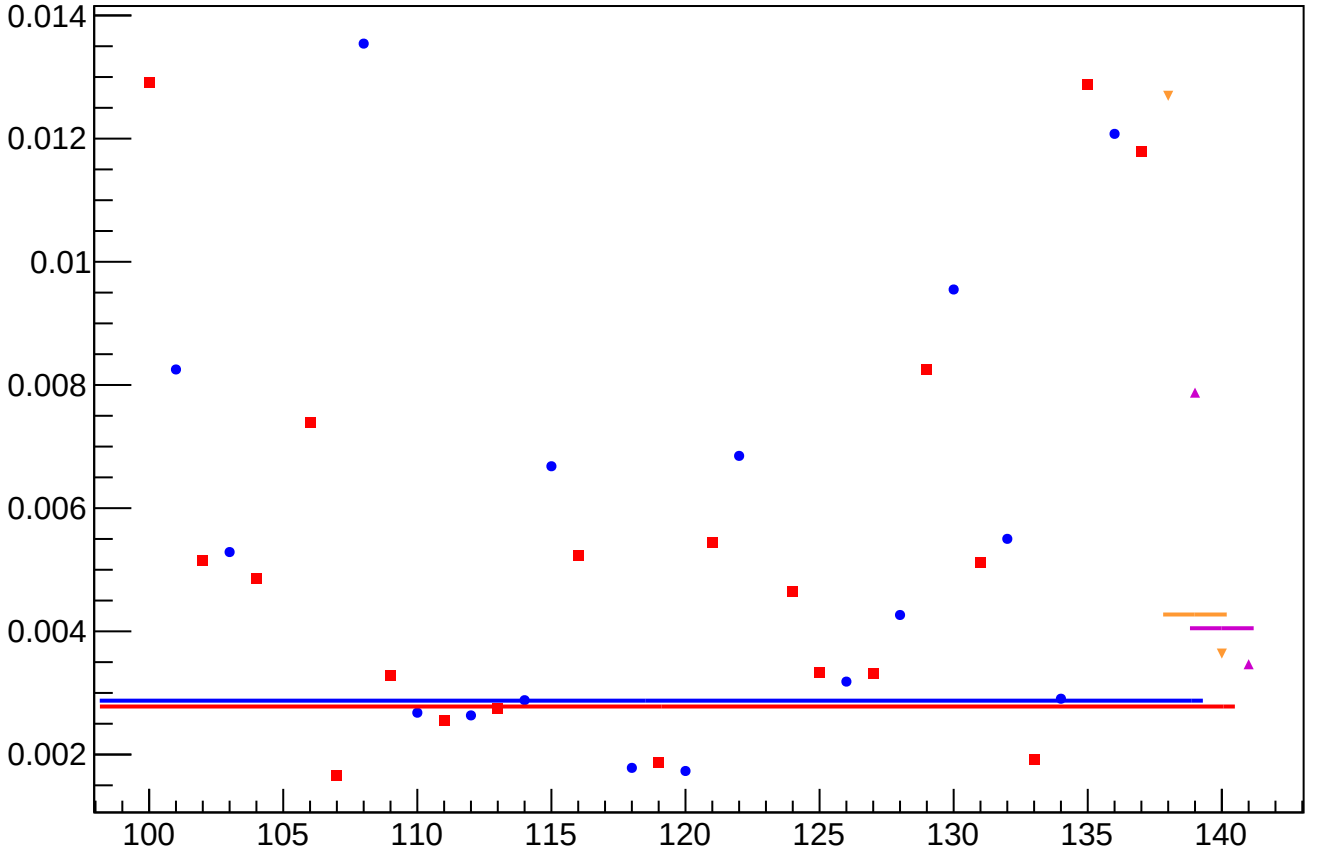
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:23.0/17

Out: -0.000+/-0.000 χ^2/NDF:19.9/20

All: -0.000+/-0.000 χ^2/NDF: 44.4/38

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:726251.8/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:377253.9/1

Left: 0.004+/-0.000 χ^2/NDF: 1107249.4/3

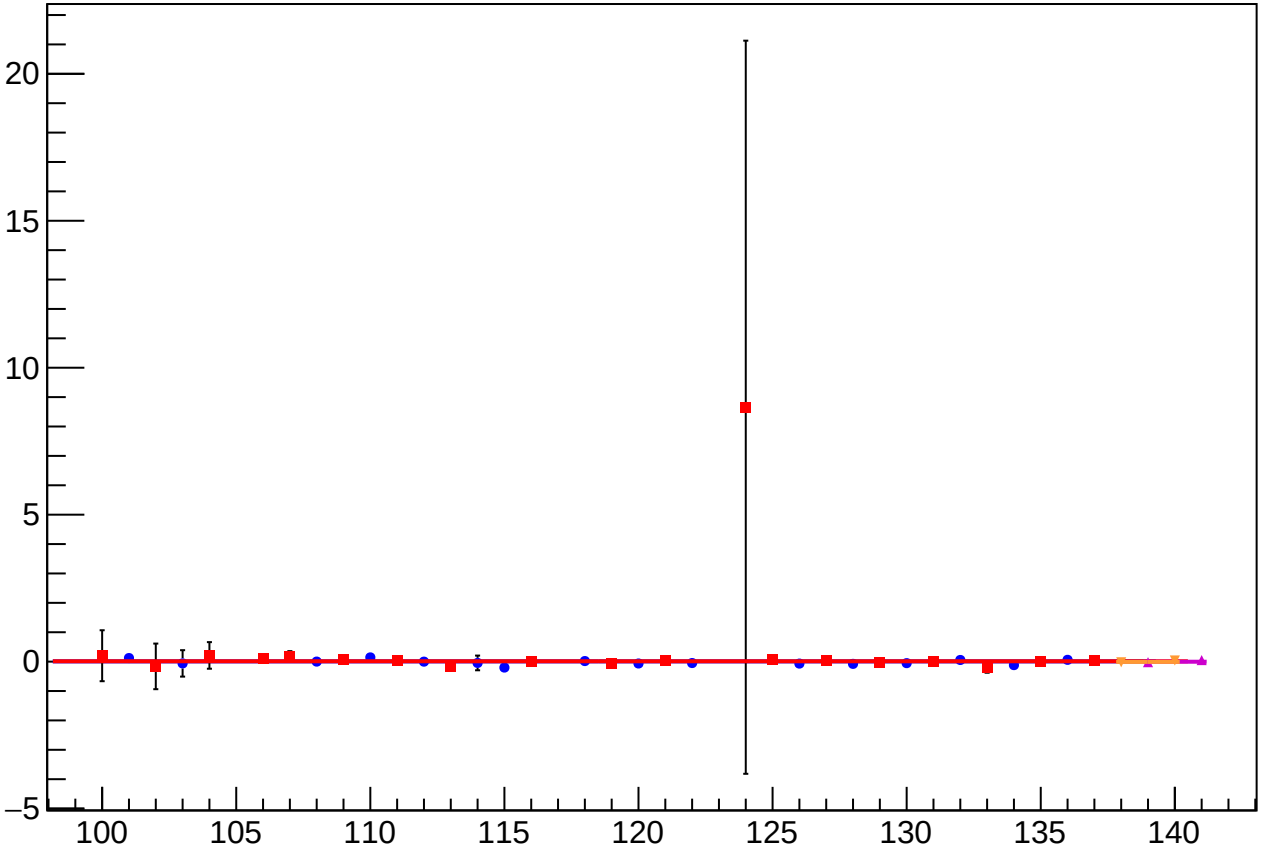
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4733338.9/17

Out: 0.003+/-0.000 χ^2/NDF:4314752.0/20

All: 0.003+/-0.000 χ^2/NDF: 9057720.3/38

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.024 χ^2/NDF:1.4/1

Left: -0.006+/-0.017 χ^2/NDF: 2.5/3

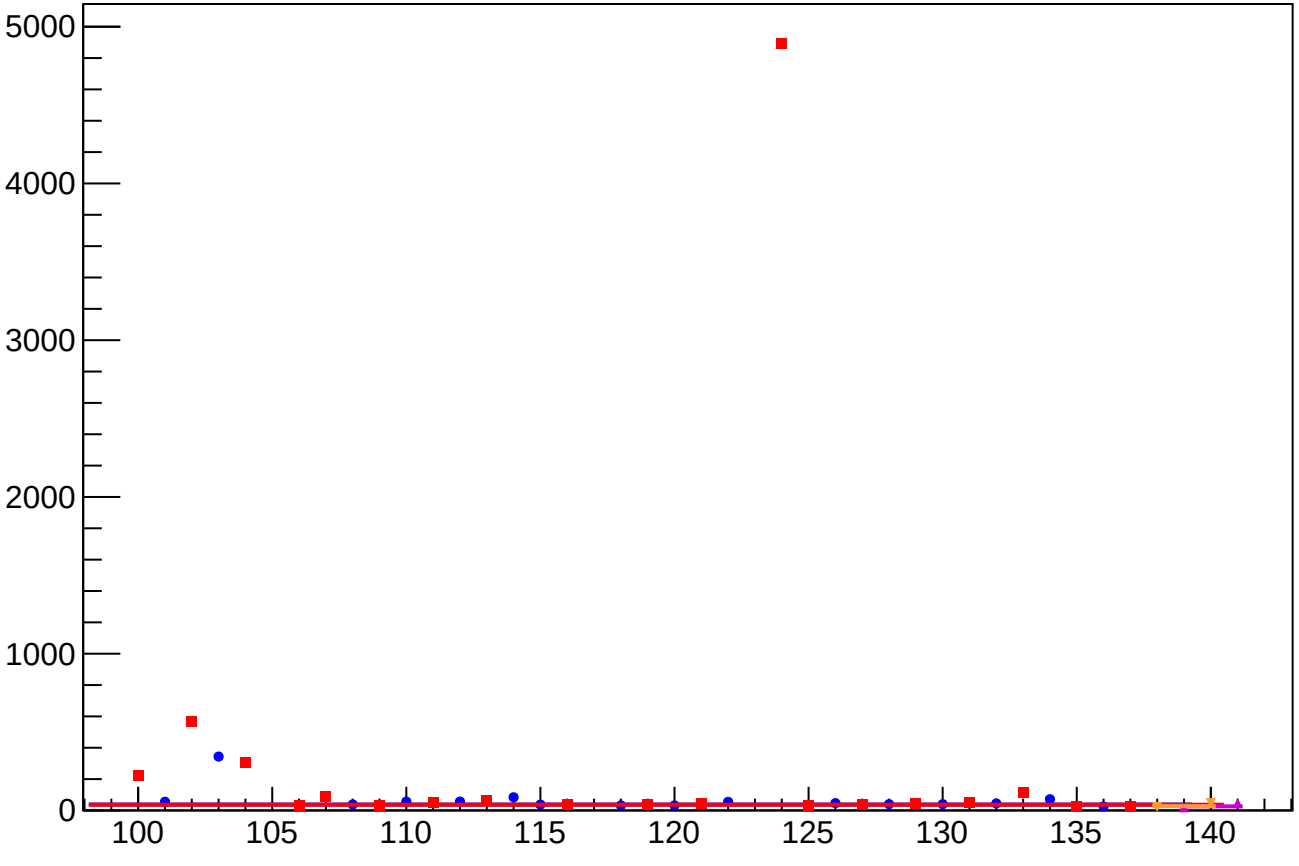
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.005+/-0.010 χ^2/NDF: 35.0/38

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 27.536+/-0.018 χ^2/NDF:337799.5/1

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 26.140+/-0.017 χ^2/NDF:417082.2/1

Left: 26.809+/-0.012 χ^2/NDF: 758070.3/3

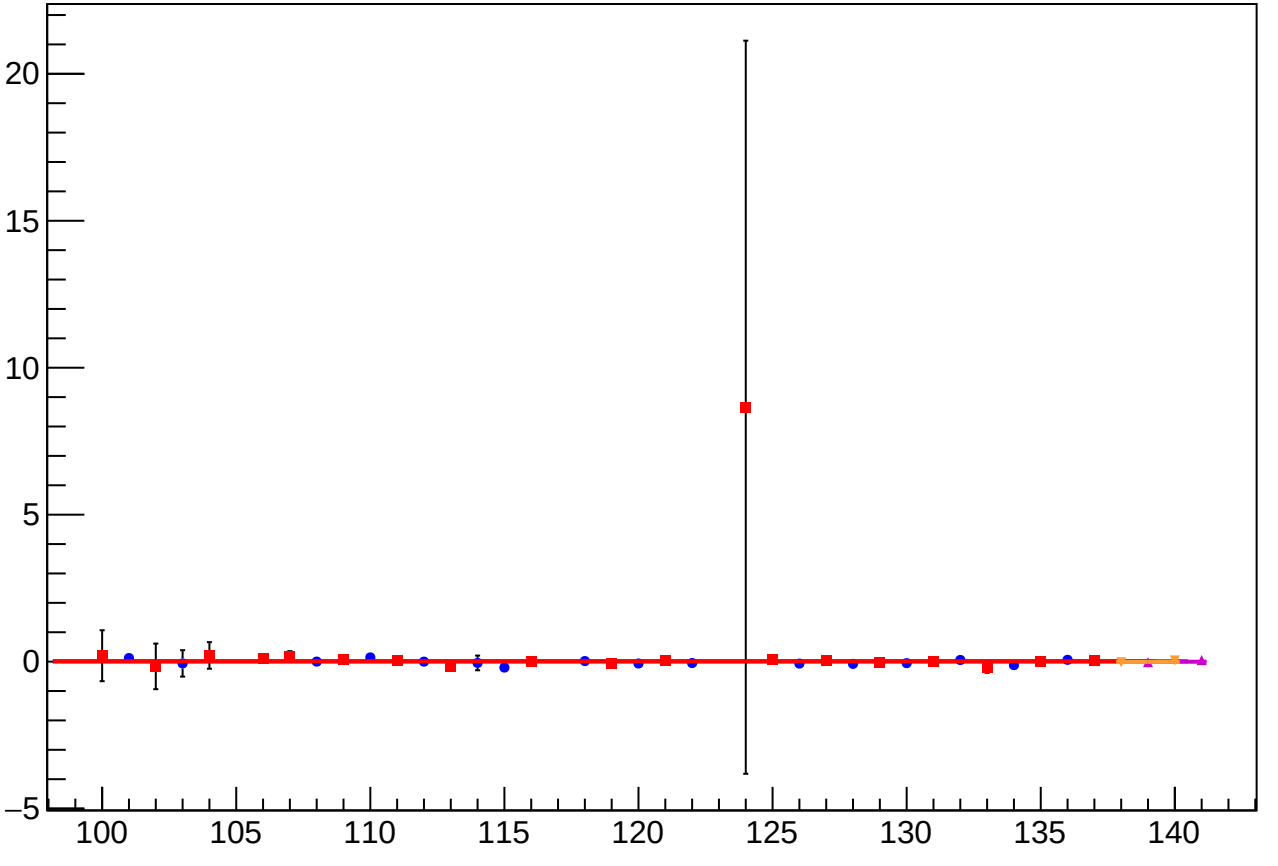
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.019+/-0.009 χ^2/NDF:2705627.8/17

Out: 33.977+/-0.010 χ^2/NDF:3714847.4/20

All: 33.999+/-0.007 χ^2/NDF: 6420484.6/38

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: -0.009+/-0.025 χ^2/NDF:1.0/1

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.024 χ^2/NDF:1.4/1

Left: -0.006+/-0.017 χ^2/NDF: 2.5/3

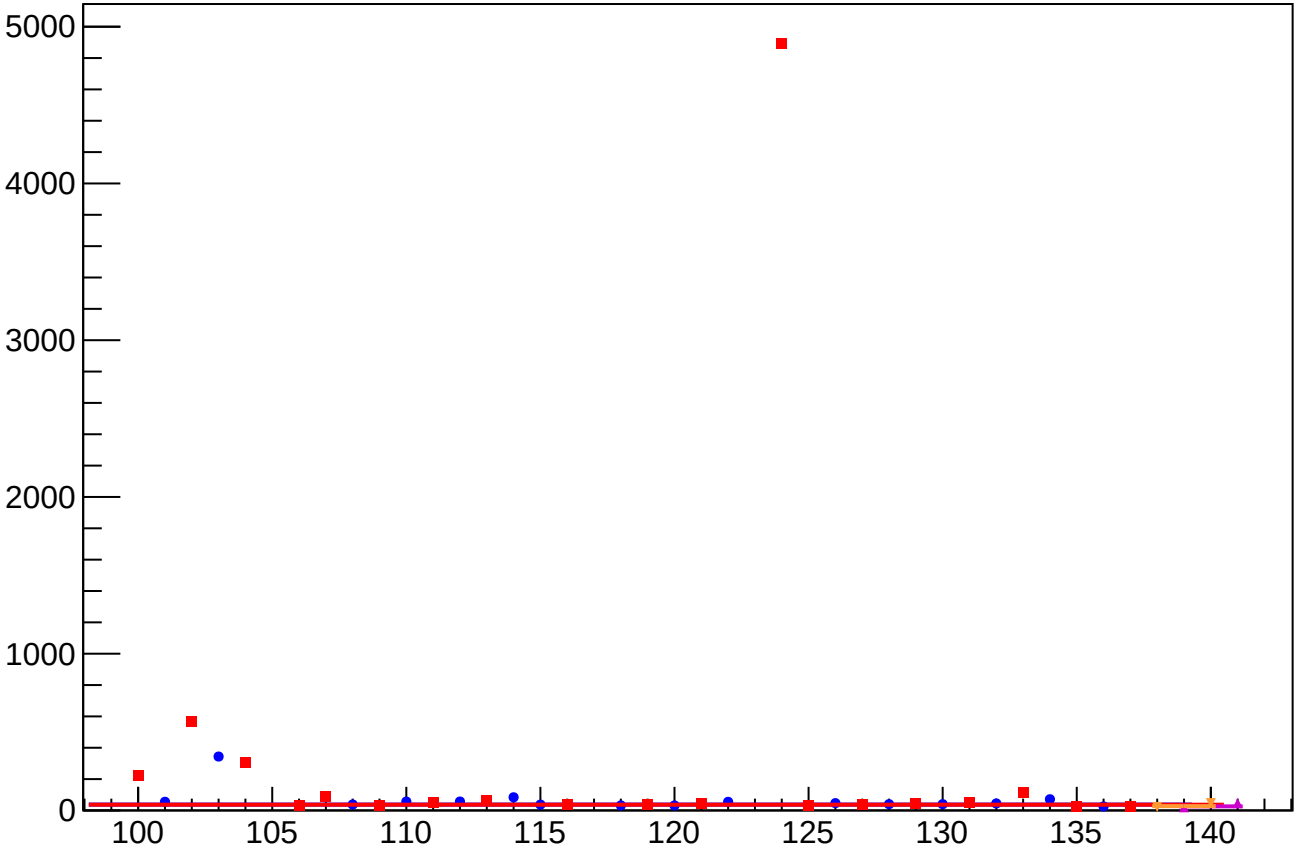
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.006+/-0.014 χ^2/NDF:14.1/20

All: 0.005+/-0.010 χ^2/NDF: 35.0/38

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 27.536+/-0.018 χ^2/NDF:337799.5/1

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 26.140+/-0.017 χ^2/NDF:417082.2/1

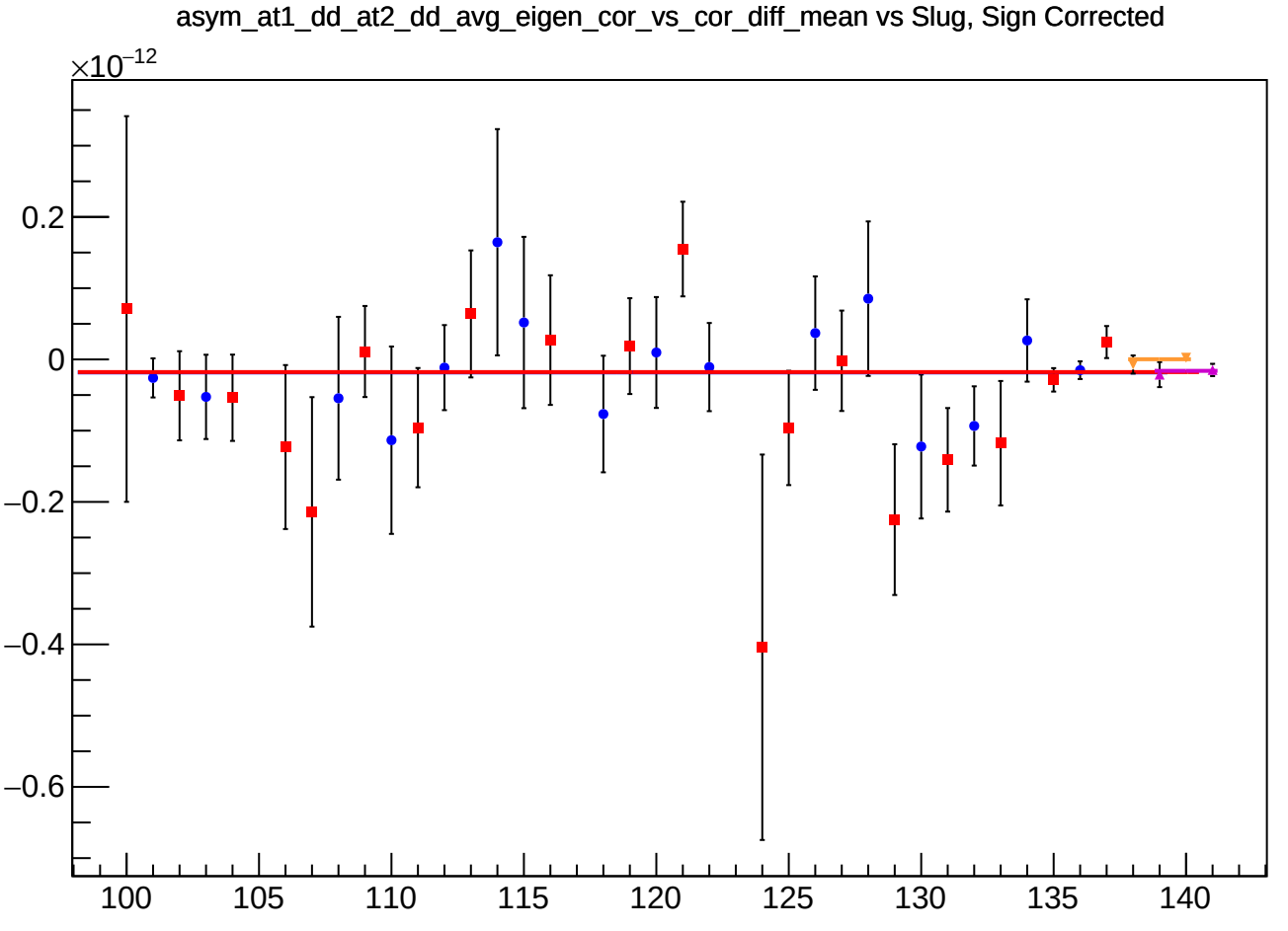
Left: 26.809+/-0.012 χ^2/NDF: 758070.3/3

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.019+/-0.009 χ^2/NDF:2705627.8/17

Out: 33.977+/-0.010 χ^2/NDF:3714847.4/20

All: 33.999+/-0.007 χ^2/NDF: 6420484.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

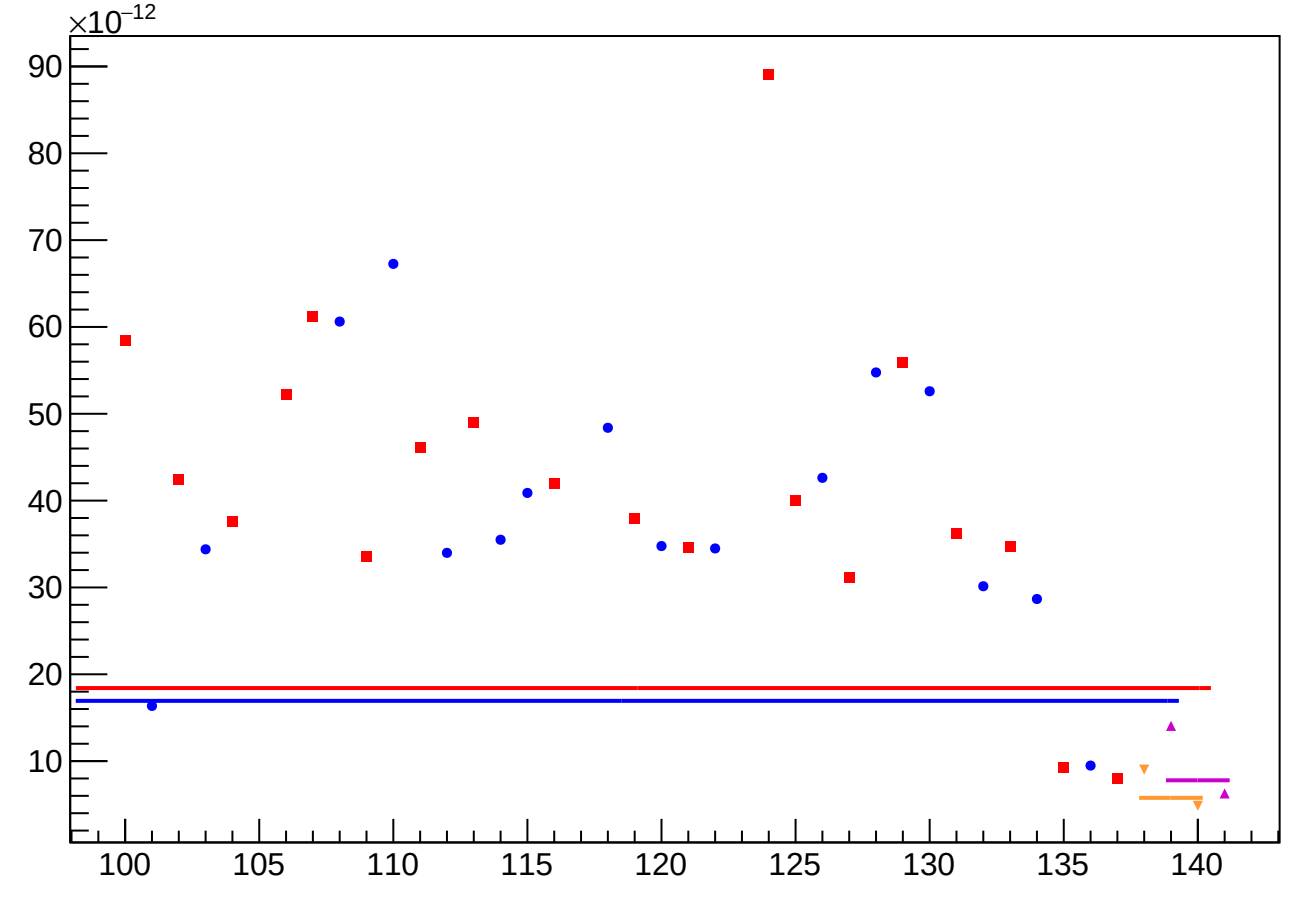
Left: -0.000+/-0.000 χ^2/NDF: 3.3/3

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:8.5/17

Out: -0.000+/-0.000 χ^2/NDF:29.8/20

All: -0.000+/-0.000 χ^2/NDF: 40.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:166621.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:316105.3/1

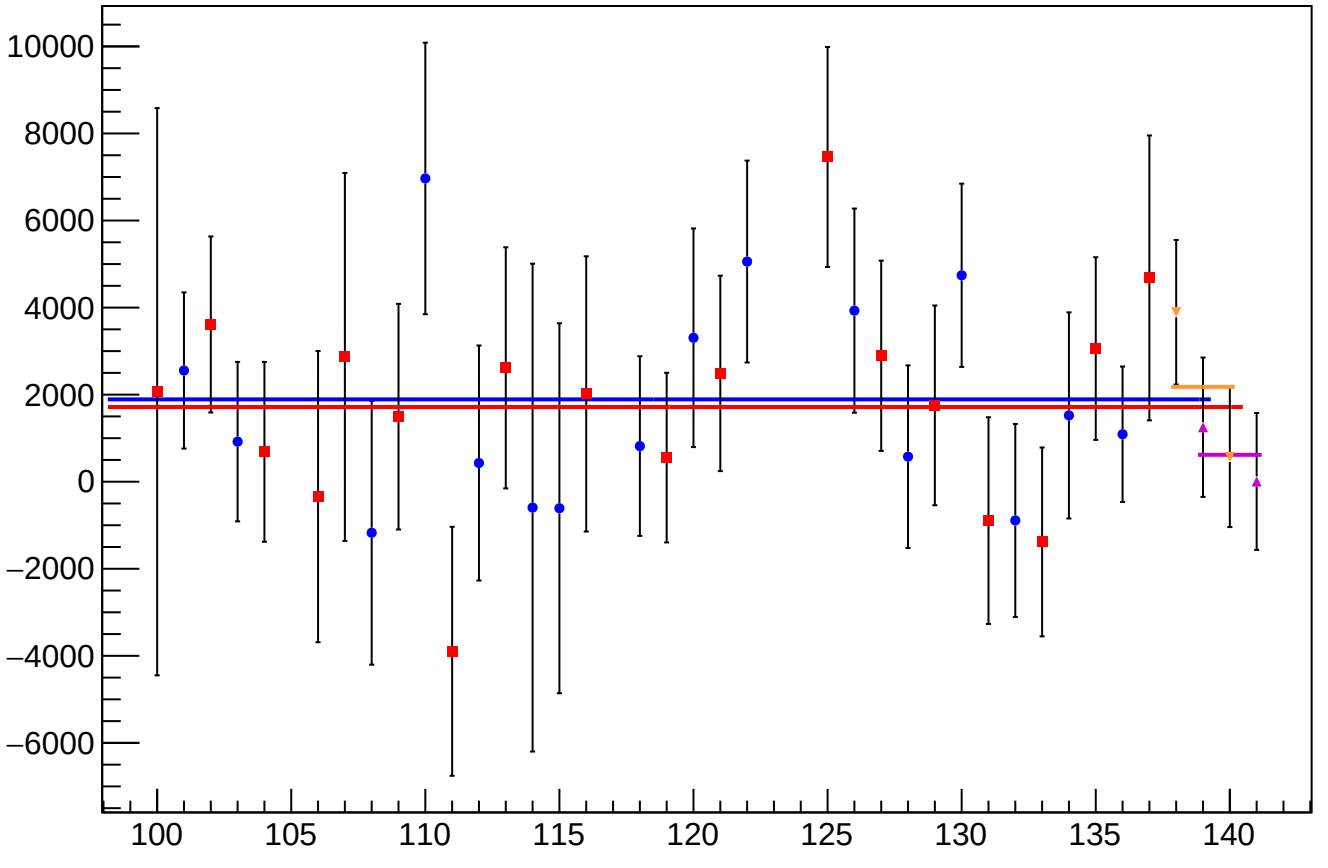
Left: 0.000+/-0.000 χ^2/NDF: 567991.0/3

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:4582731.3/17

Out: 0.000+/-0.000 χ^2/NDF:5867446.0/20

All: 0.000+/-0.000 χ^2/NDF: 10664000.0/38



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2179.122+/-1156.497 χ^2/NDF:2.1/1

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 617.778+/-1121.714 χ^2/NDF:0.3/1

Left: 1374.617+/-805.188 χ^2/NDF: 3.3/3

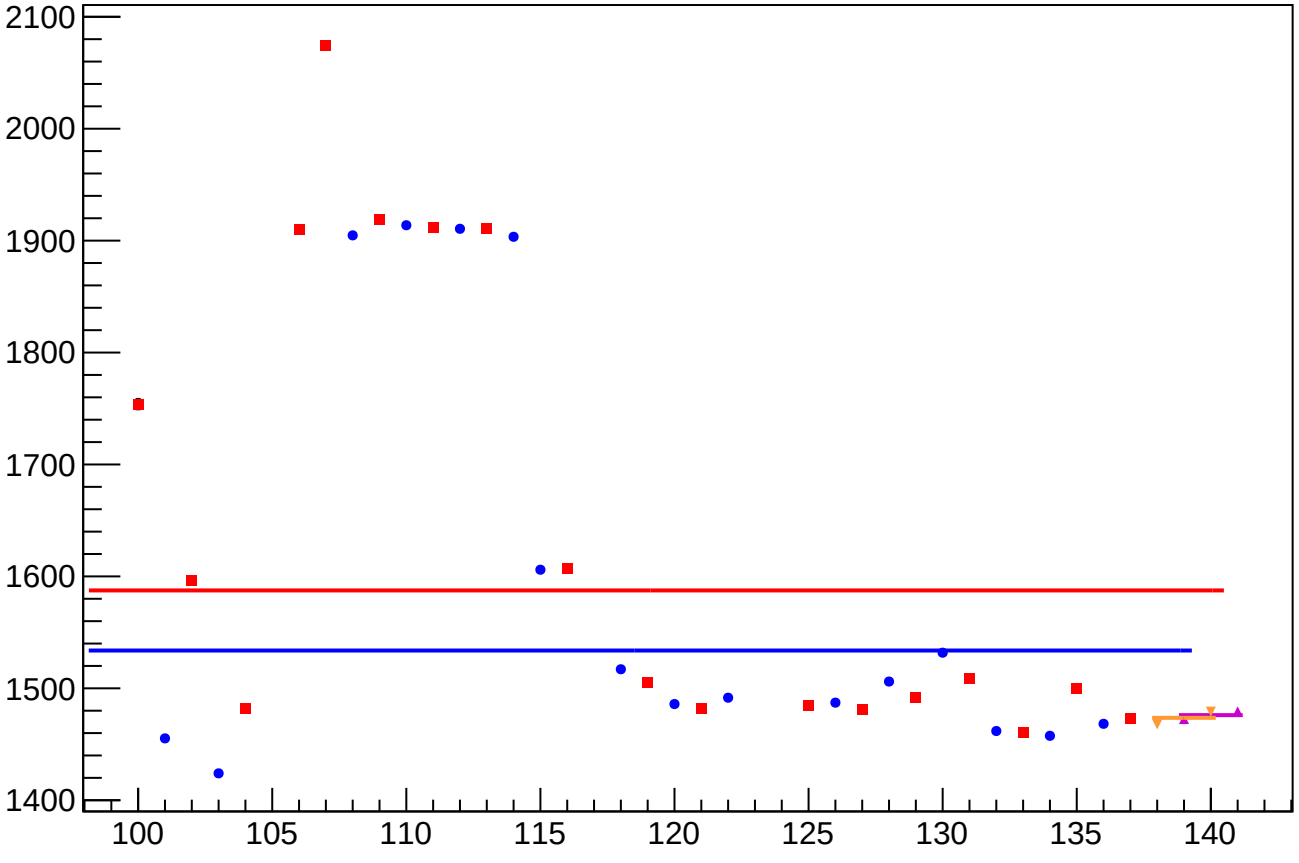
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1628.430+/-509.744 χ^2/NDF:13.6/17

Out: 1811.446+/-525.218 χ^2/NDF:18.2/19

All: 1717.202+/-365.792 χ^2/NDF: 31.8/37

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1473.628+/-0.818 χ^2/NDF:47.9/1

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1476.042+/-0.793 χ^2/NDF:18.4/1

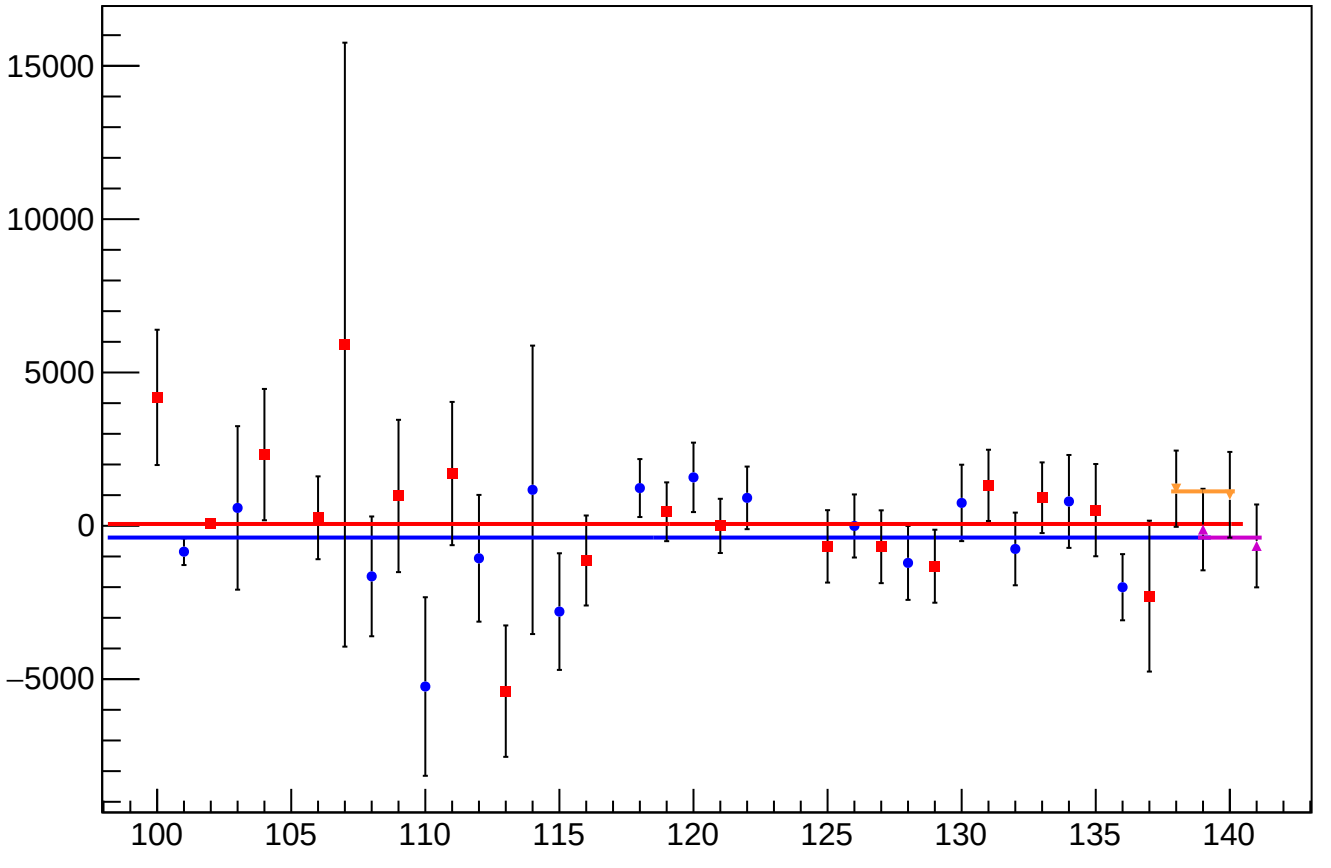
Left: 1474.872+/-0.569 χ^2/NDF: 70.8/3

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1521.849+/-0.360 χ^2/NDF:133493.4/17

Out: 1563.984+/-0.371 χ^2/NDF:187416.4/19

All: 1542.287+/-0.259 χ^2/NDF: 327537.8/37



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1122.897+/-928.695 χ^2/NDF:0.0/1

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: -384.402+/-947.619 χ^2/NDF:0.1/1

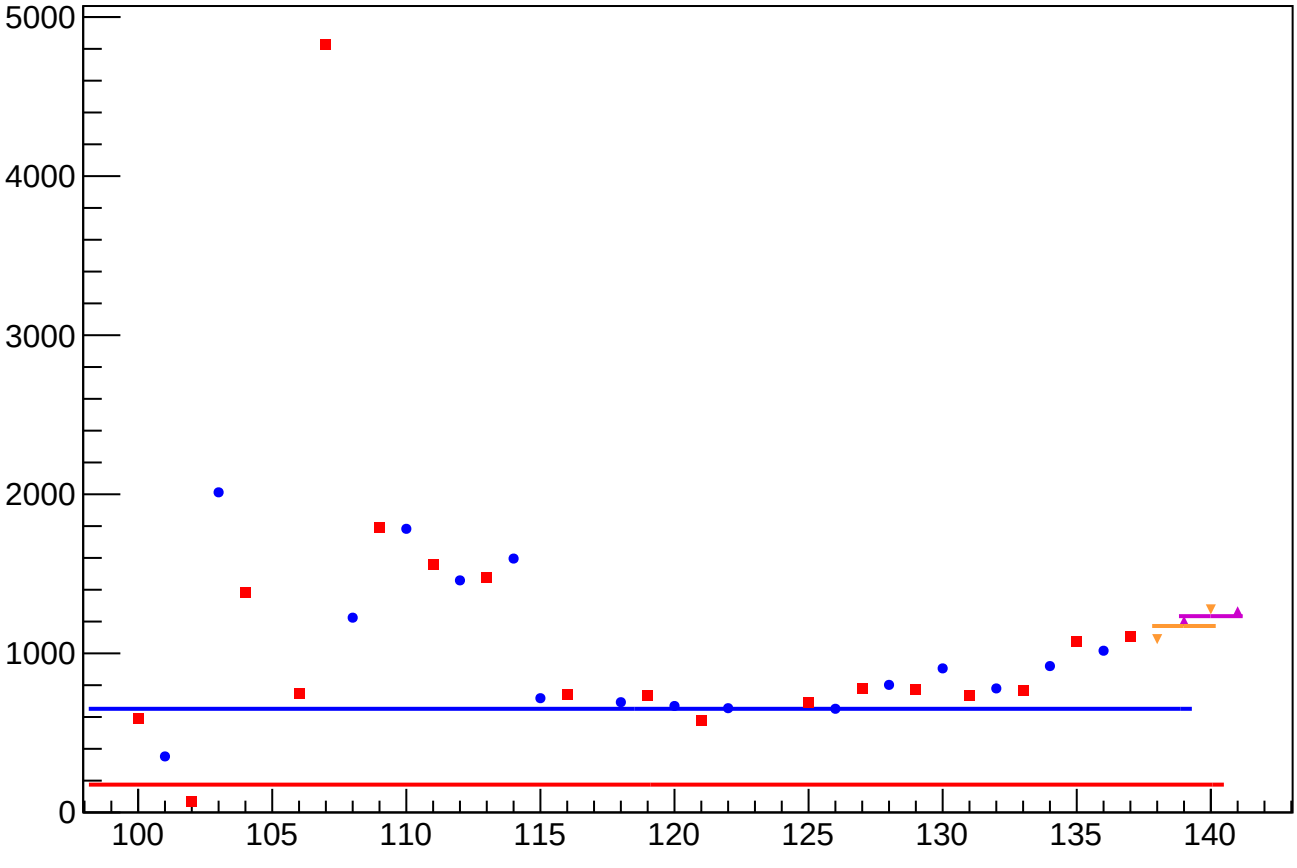
Left: 384.448+/-663.276 χ^2/NDF: 1.4/3

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -382.911+/-261.629 χ^2/NDF:18.3/17

Out: 79.695+/-126.510 χ^2/NDF:19.1/19

All: -7.973+/-113.894 χ^2/NDF: 39.9/37



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1172.072+/-0.657 χ^2/NDF:20006.2/1

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1233.965+/-0.670 χ^2/NDF:2028.3/1

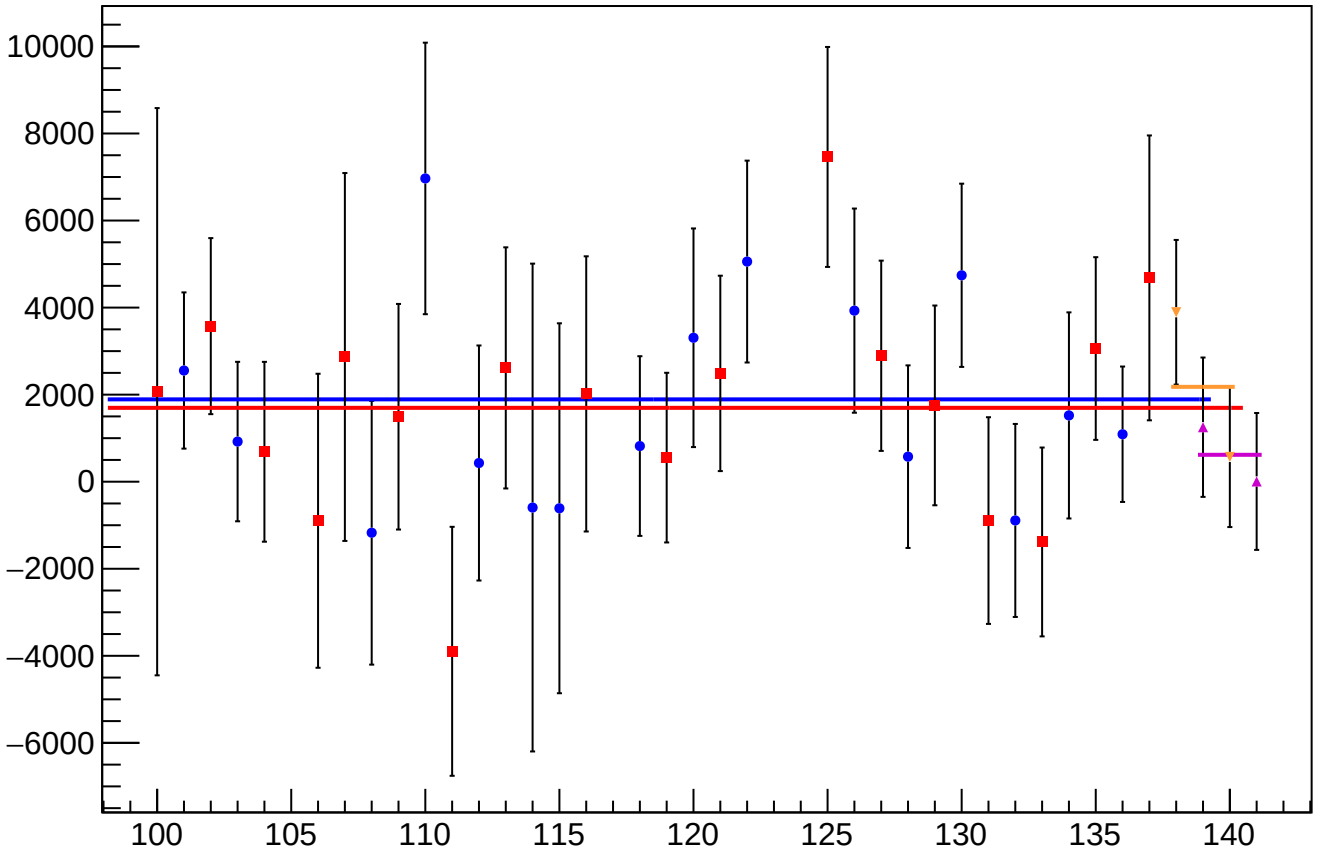
Left: 1202.394+/-0.469 χ^2/NDF: 26386.5/3

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 695.920+/-0.185 χ^2/NDF:3462650.5/17

Out: 193.403+/-0.089 χ^2/NDF:12044265.5/19

All: 288.634+/-0.081 χ^2/NDF: 21487042.9/37



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2179.207+/-1156.497 χ^2/NDF:2.1/1

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 618.030+/-1121.714 χ^2/NDF:0.3/1

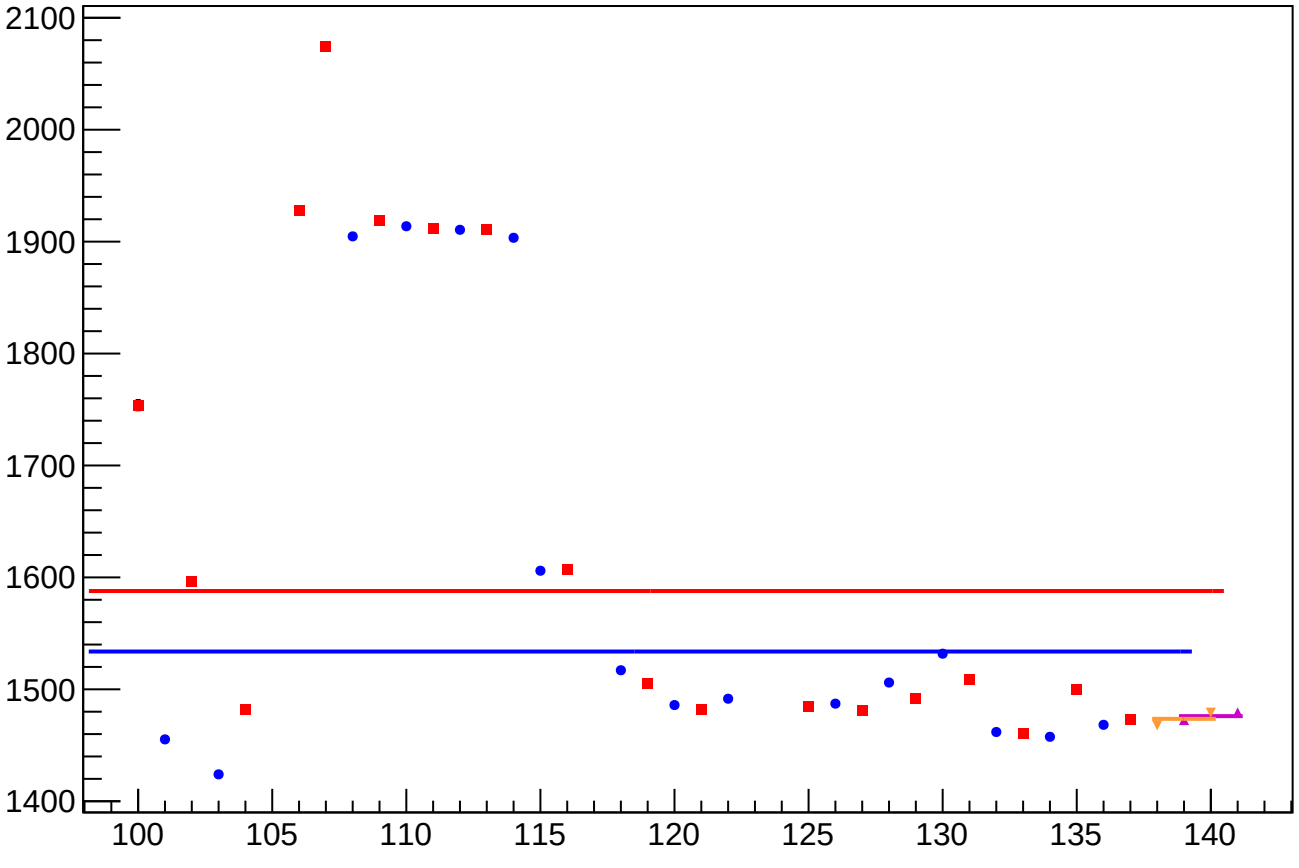
Left: 1374.789+/-805.188 χ^2/NDF: 3.3/3

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1628.565+/-509.744 χ^2/NDF:13.6/17

Out: 1796.493+/-525.346 χ^2/NDF:18.4/19

All: 1709.998+/-365.835 χ^2/NDF: 32.0/37



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1473.628+/-0.818 χ^2/NDF:47.9/1

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1476.042+/-0.793 χ^2/NDF:18.4/1

Left: 1474.872+/-0.569 χ^2/NDF: 70.8/3

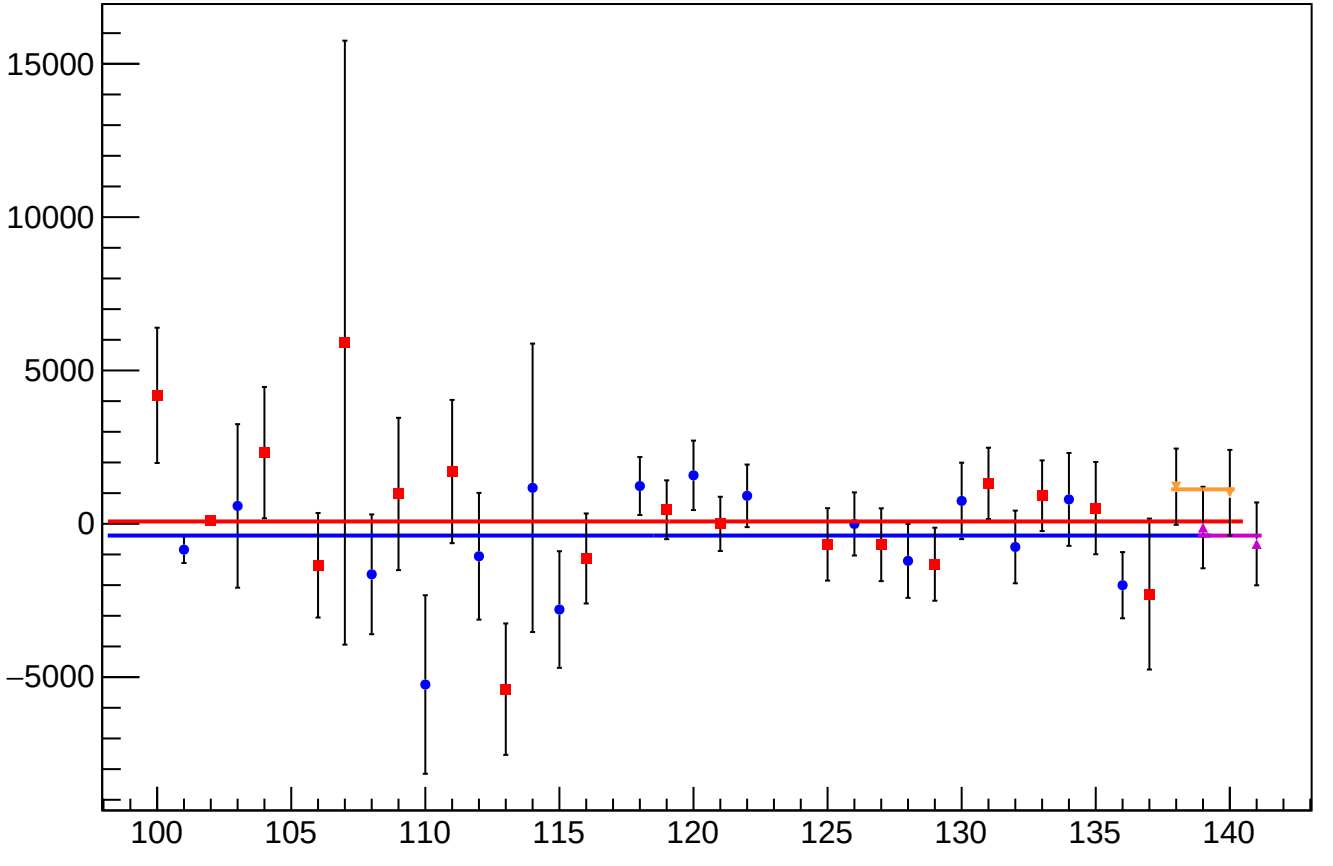
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1521.849+/-0.360 χ^2/NDF:133493.3/17

Out: 1564.278+/-0.371 χ^2/NDF:189297.2/19

All: 1542.424+/-0.259 χ^2/NDF: 329509.7/37

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1123.053+/-928.698 χ^2/NDF:0.0/1

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -384.258+/-947.620 χ^2/NDF:0.1/1

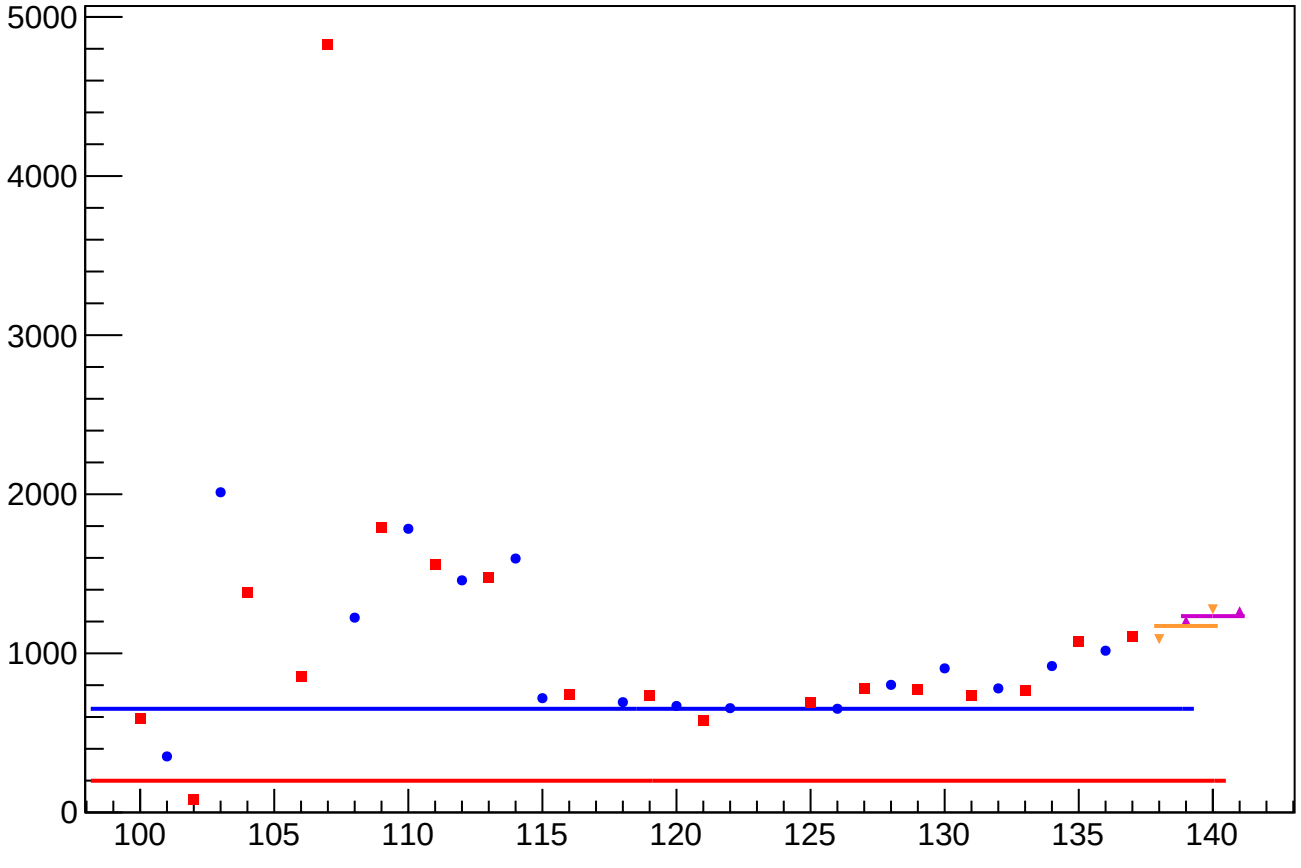
Left: 384.597+/-663.277 χ^2/NDF: 1.4/3

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -382.875+/-261.629 χ^2/NDF:18.3/17

Out: 99.402+/-136.634 χ^2/NDF:19.7/19

All: -3.947+/-121.113 χ^2/NDF: 40.7/37



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1172.077+/-0.657 χ^2/NDF:20002.4/1

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1233.967+/-0.670 χ^2/NDF:2027.8/1

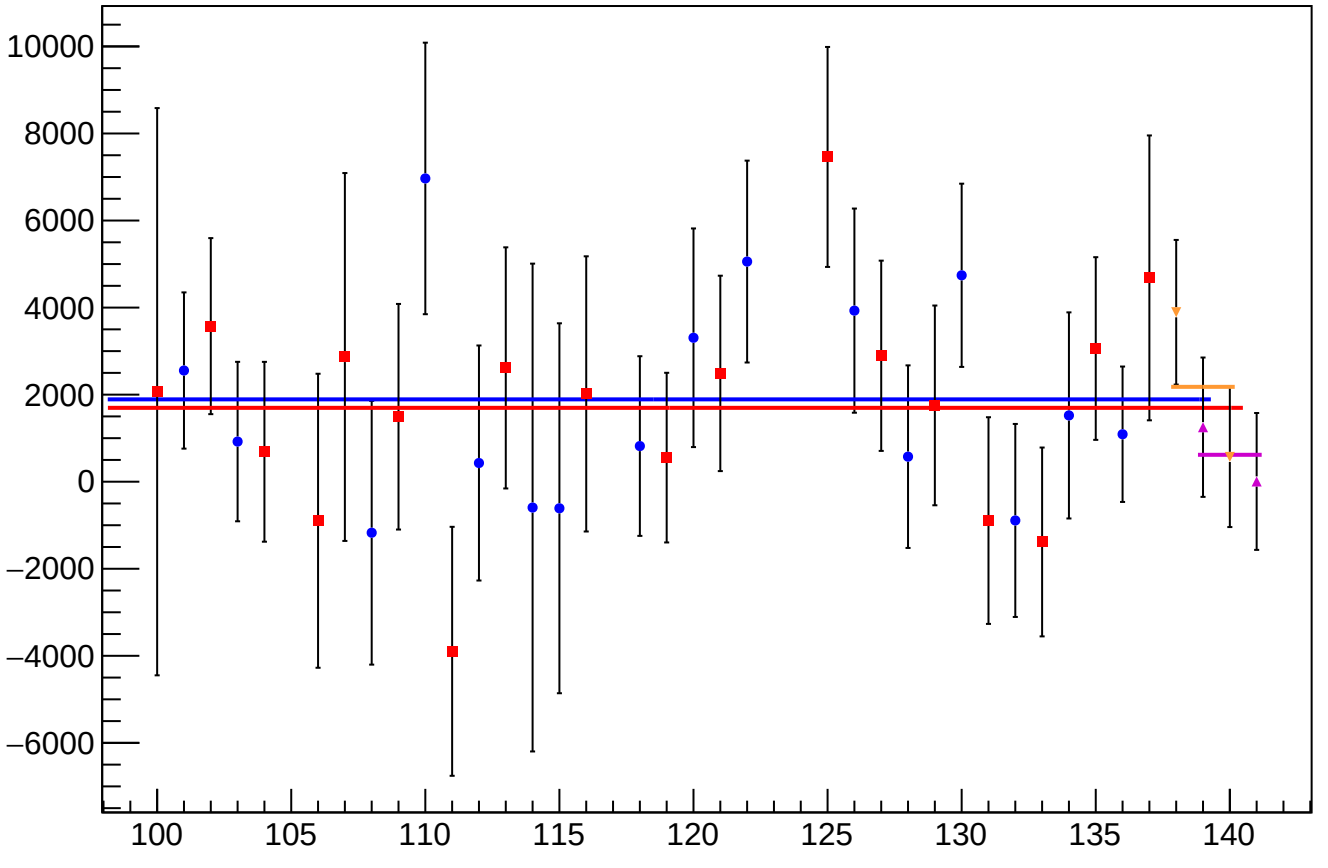
Left: 1202.398+/-0.469 χ^2/NDF: 26381.7/3

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 695.919+/-0.185 χ^2/NDF:3462681.2/17

Out: 220.399+/-0.097 χ^2/NDF:11451464.8/19

All: 322.299+/-0.086 χ^2/NDF: 20105223.0/37



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2179.207+/-1156.497 χ^2/NDF:2.1/1

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 618.030+/-1121.714 χ^2/NDF:0.3/1

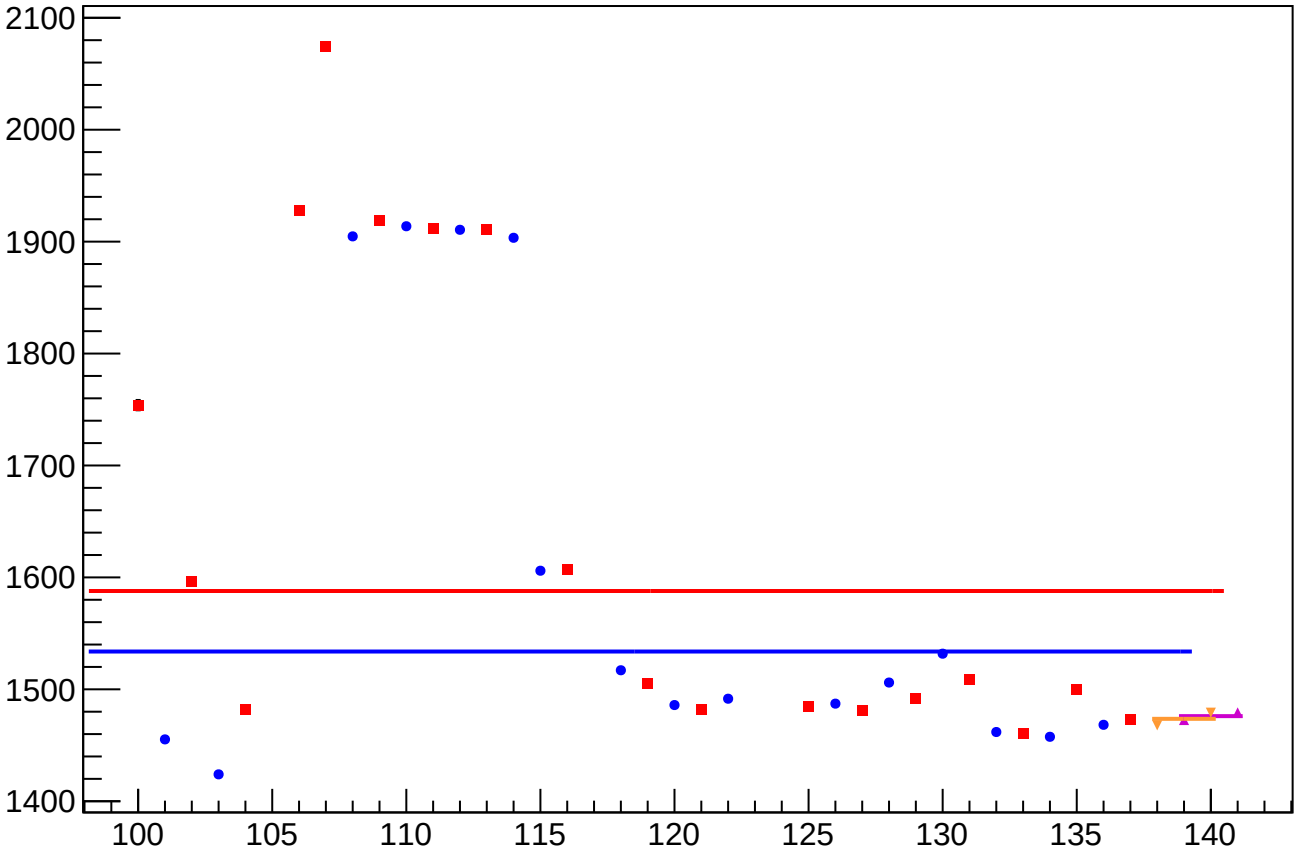
Left: 1374.789+/-805.188 χ^2/NDF: 3.3/3

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1628.565+/-509.744 χ^2/NDF:13.6/17

Out: 1796.493+/-525.346 χ^2/NDF:18.4/19

All: 1709.998+/-365.835 χ^2/NDF: 32.0/37



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1473.628+/-0.818 χ^2/NDF:47.9/1

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1476.042+/-0.793 χ^2/NDF:18.4/1

Left: 1474.872+/-0.569 χ^2/NDF: 70.8/3

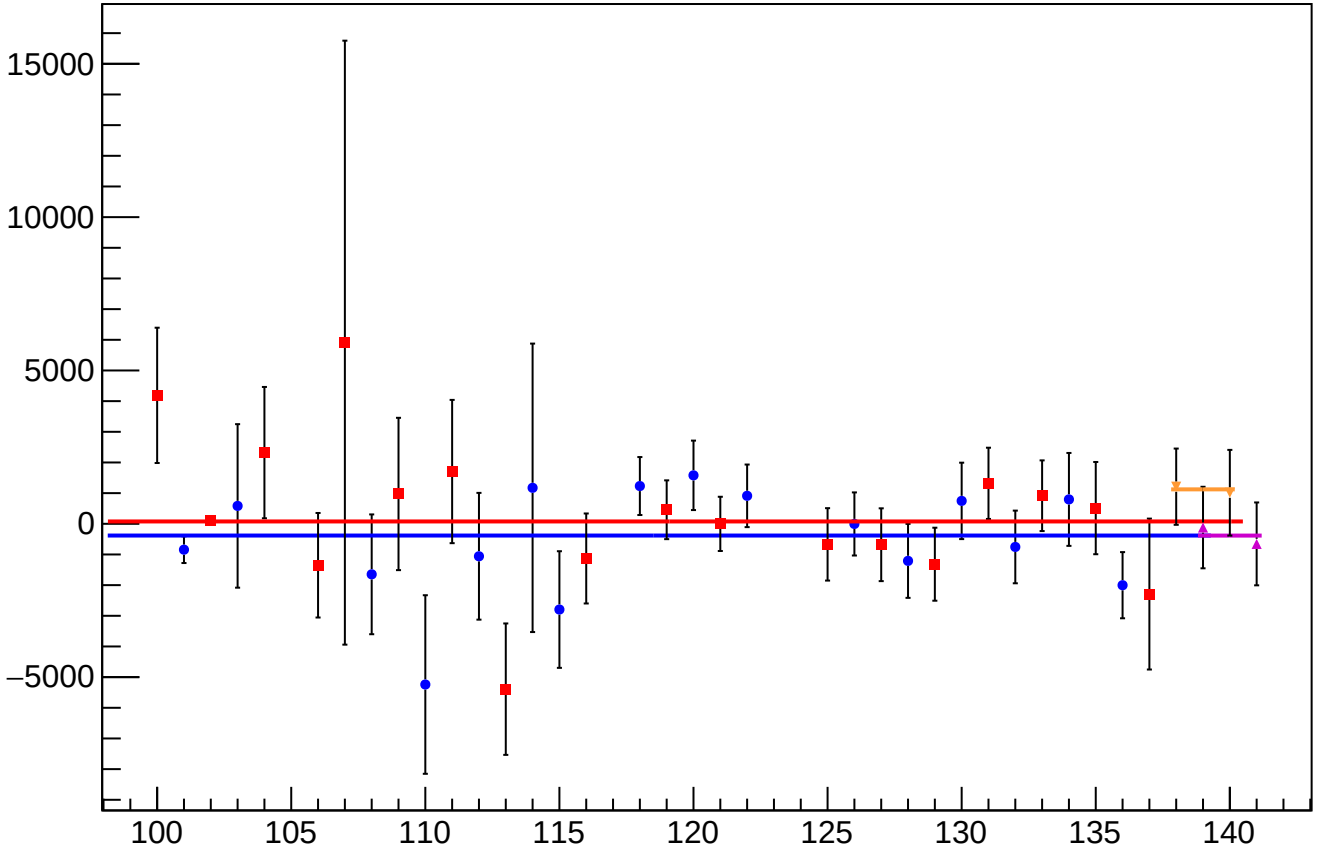
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1521.849+/-0.360 χ^2/NDF:133493.3/17

Out: 1564.278+/-0.371 χ^2/NDF:189297.2/19

All: 1542.424+/-0.259 χ^2/NDF: 329509.7/37

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1123.053+/-928.698 χ^2/NDF:0.0/1

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -384.258+/-947.620 χ^2/NDF:0.1/1

Left: 384.597+/-663.277 χ^2/NDF: 1.4/3

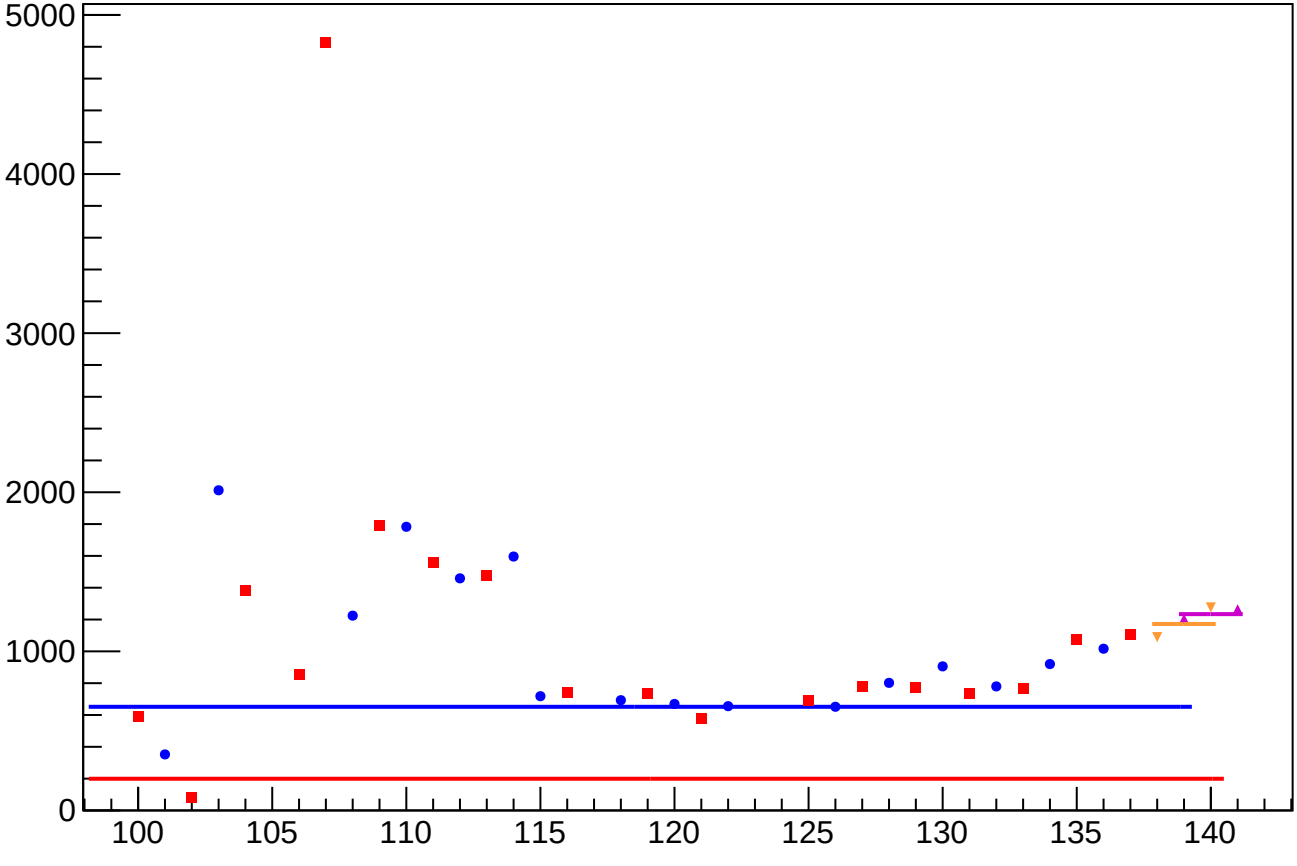
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -382.875+/-261.629 χ^2/NDF:18.3/17

Out: 99.402+/-136.634 χ^2/NDF:19.7/19

All: -3.947+/-121.113 χ^2/NDF: 40.7/37

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1172.077+/-0.657 χ^2/NDF:20002.4/1

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1233.967+/-0.670 χ^2/NDF:2027.8/1

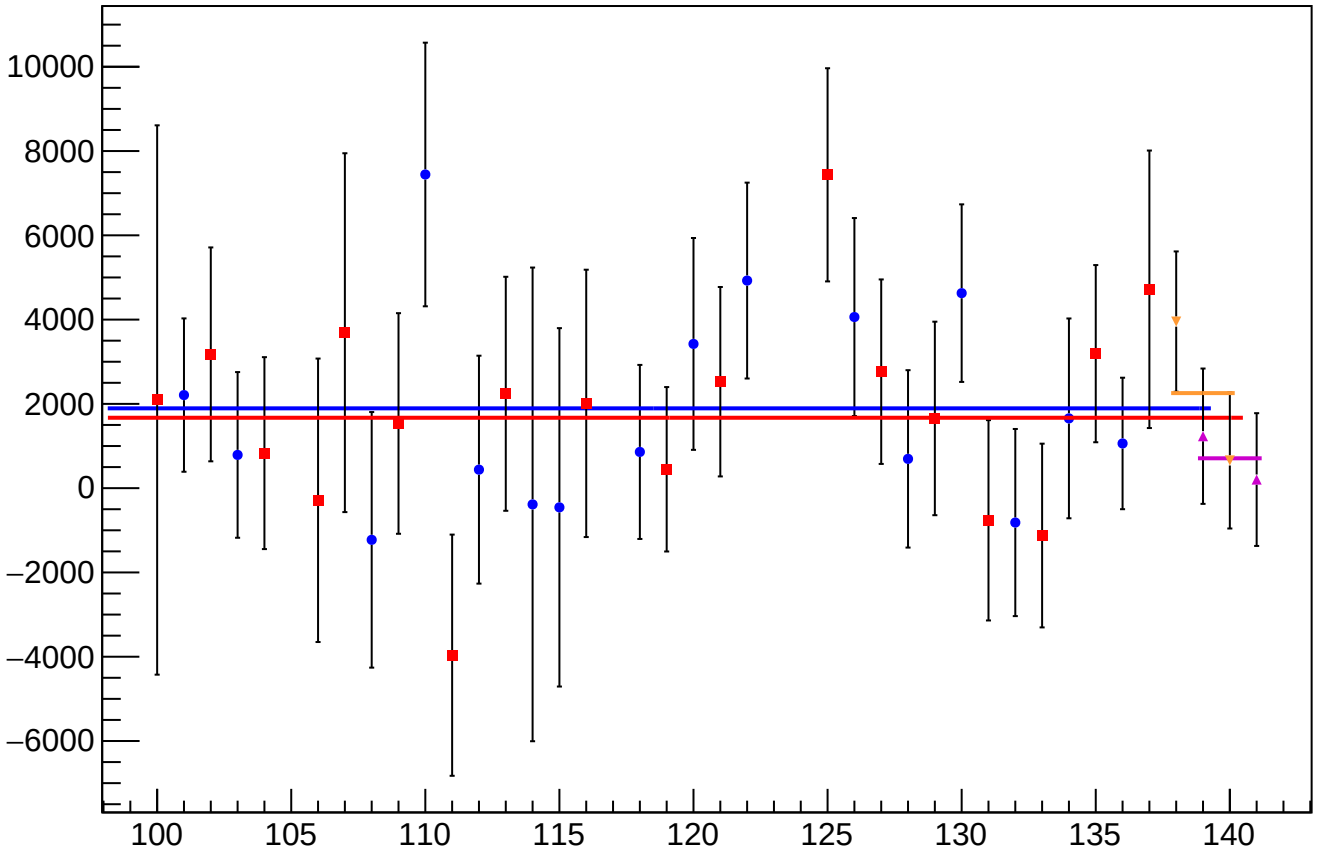
Left: 1202.398+/-0.469 χ^2/NDF: 26381.7/3

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 695.919+/-0.185 χ^2/NDF:3462681.2/17

Out: 220.399+/-0.097 χ^2/NDF:11451464.8/19

All: 322.299+/-0.086 χ^2/NDF: 20105223.0/37



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2255.871+/-1159.516 χ^2/NDF:2.0/1

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 708.640+/-1124.518 χ^2/NDF:0.2/1

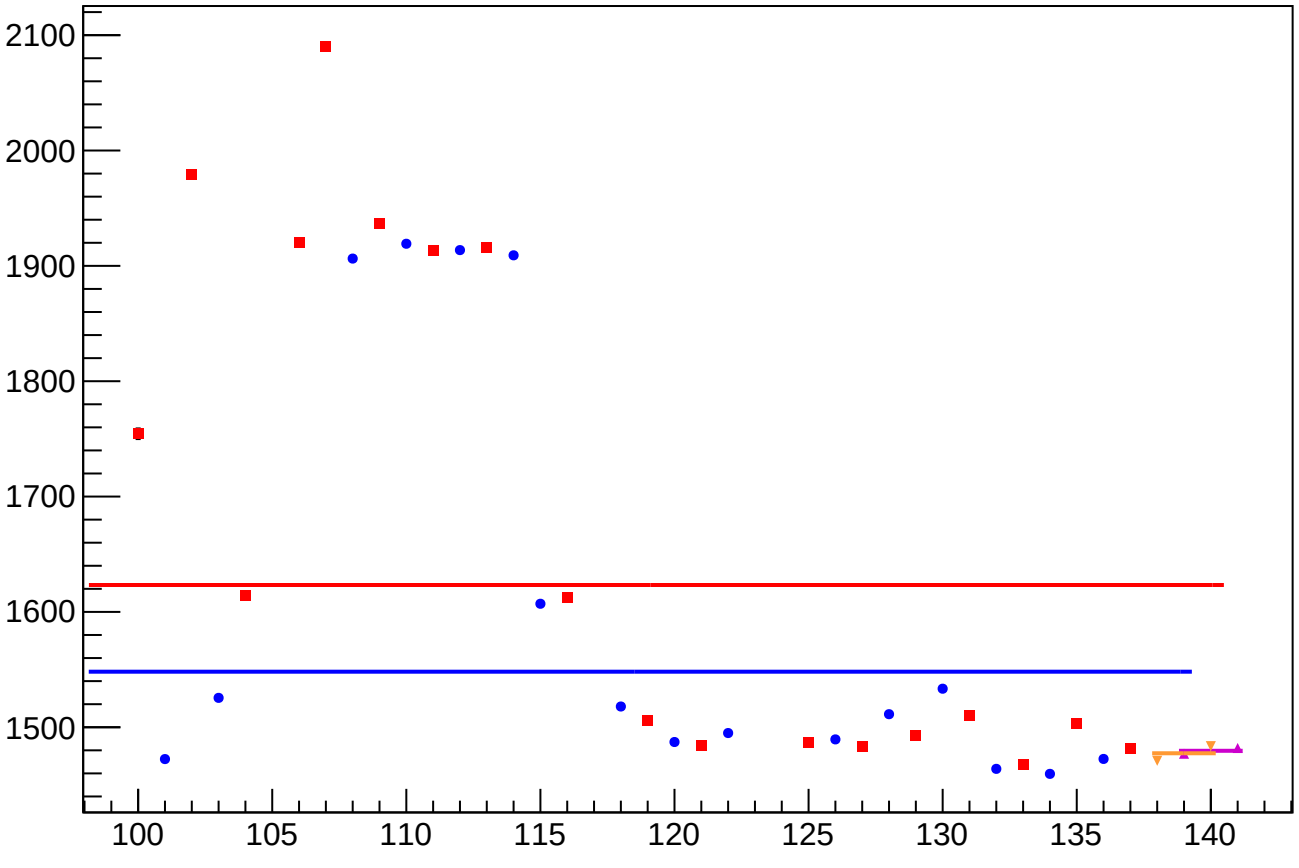
Left: 1458.554+/-807.244 χ^2/NDF: 3.1/3

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1646.667+/-513.809 χ^2/NDF:13.4/17

Out: 1796.050+/-536.264 χ^2/NDF:17.3/19

All: 1718.165+/-371.002 χ^2/NDF: 30.7/37



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1477.456+/-0.820 χ^2/NDF:59.4/1

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1479.603+/-0.795 χ^2/NDF:9.7/1

Left: 1478.562+/-0.571 χ^2/NDF: 72.7/3

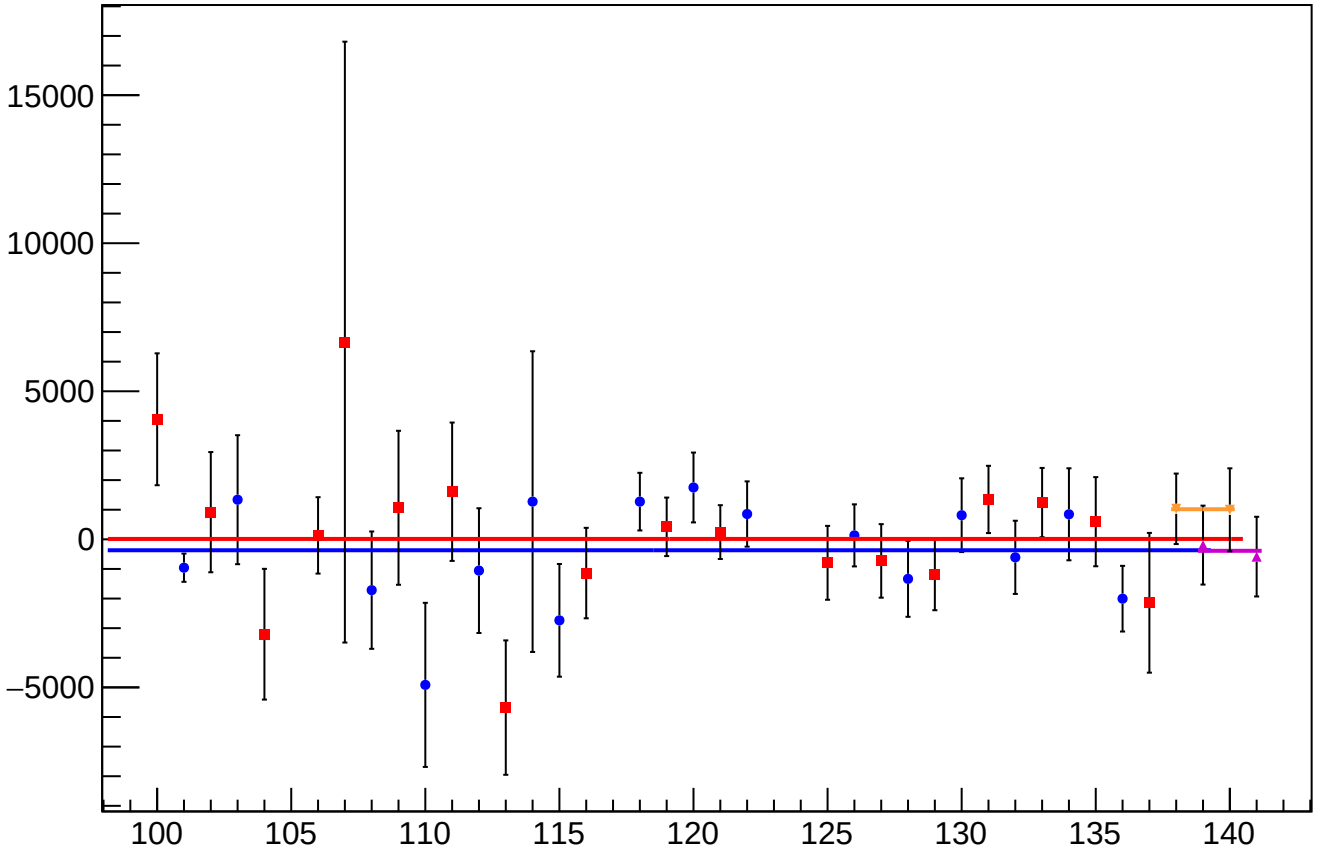
Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1533.858+/-0.363 χ^2/NDF:125799.2/17

Out: 1592.128+/-0.379 χ^2/NDF:236477.2/19

All: 1561.748+/-0.262 χ^2/NDF: 374588.0/37

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 1016.362+/-907.295 χ^2/NDF:0.0/1

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: -387.562+/-946.886 χ^2/NDF:0.0/1

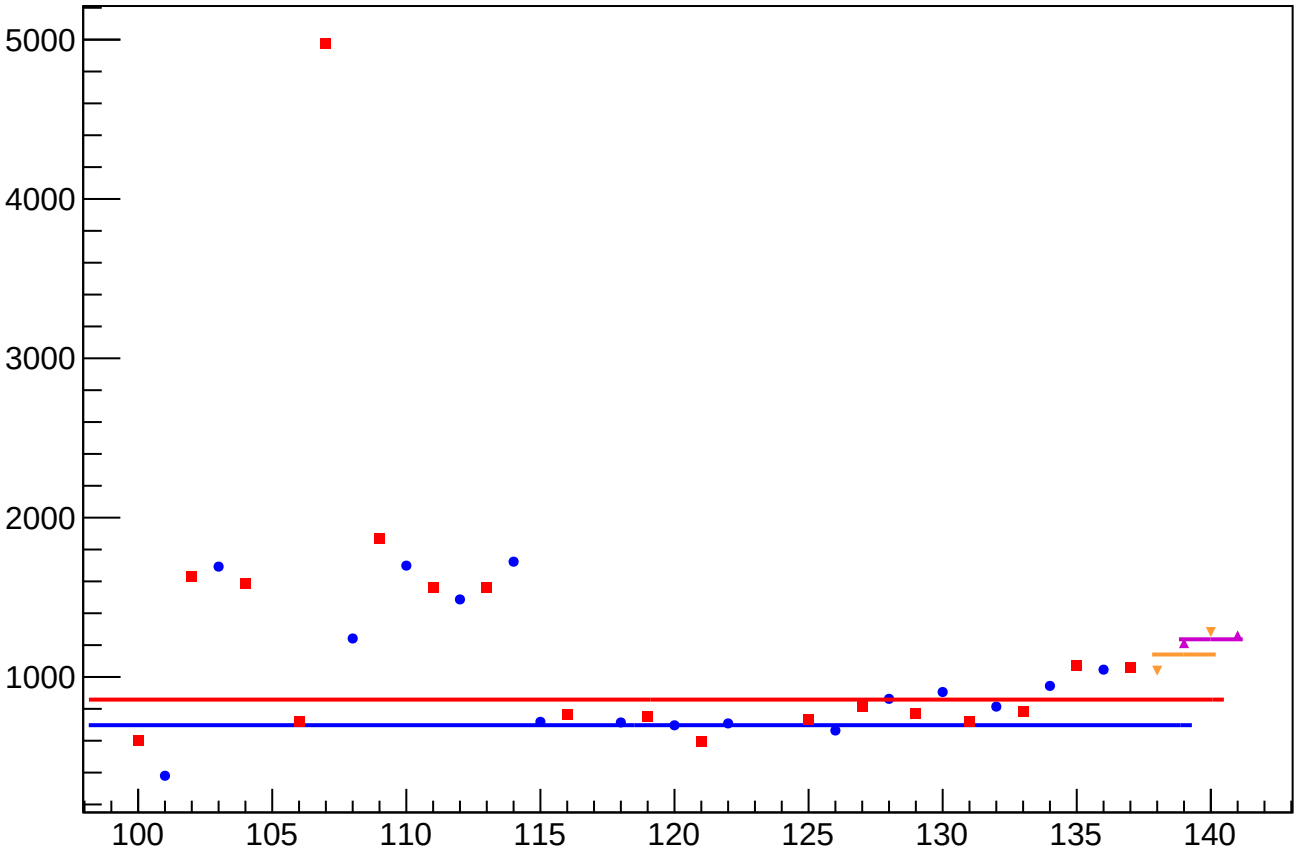
Left: 344.364+/-655.104 χ^2/NDF: 1.2/3

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -370.290+/-274.290 χ^2/NDF:18.9/17

Out: 138.192+/-319.666 χ^2/NDF:20.1/19

All: -154.671+/-208.163 χ^2/NDF: 40.5/37



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1141.154+/-0.642 χ^2/NDF:34774.9/1

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1236.564+/-0.670 χ^2/NDF:1289.3/1

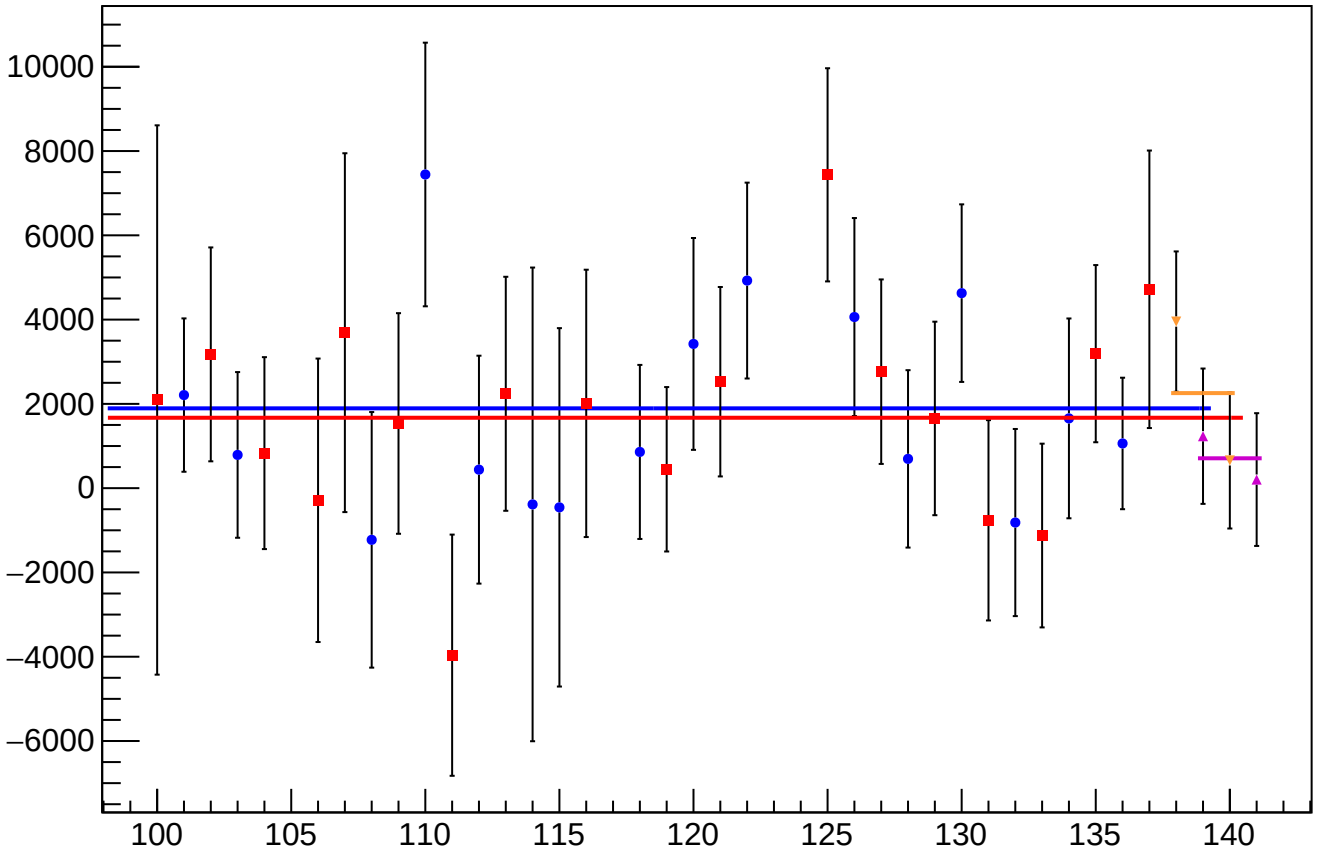
Left: 1186.823+/-0.463 χ^2/NDF: 46650.5/3

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 742.749+/-0.194 χ^2/NDF:3030670.3/17

Out: 893.233+/-0.226 χ^2/NDF:2087438.6/19

All: 806.561+/-0.147 χ^2/NDF: 5373382.2/37



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2255.875+/-1159.516 χ^2/NDF:2.0/1

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 708.641+/-1124.518 χ^2/NDF:0.2/1

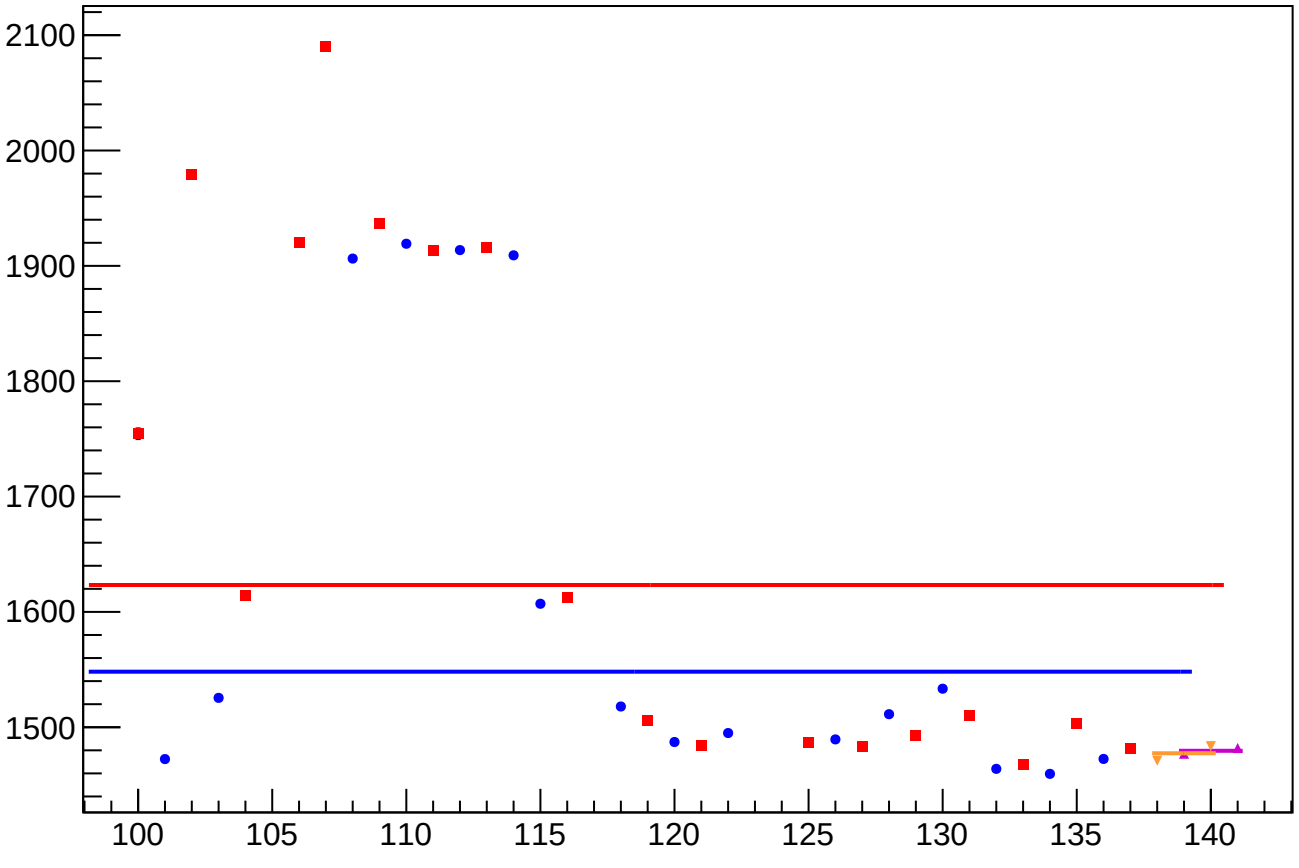
Left: 1458.556+/-807.244 χ^2/NDF: 3.1/3

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1646.666+/-513.808 χ^2/NDF:13.4/17

Out: 1796.048+/-536.264 χ^2/NDF:17.3/19

All: 1718.164+/-371.002 χ^2/NDF: 30.7/37



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1477.456+/-0.820 χ^2/NDF:59.4/1

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1479.602+/-0.795 χ^2/NDF:9.7/1

Left: 1478.562+/-0.571 χ^2/NDF: 72.7/3

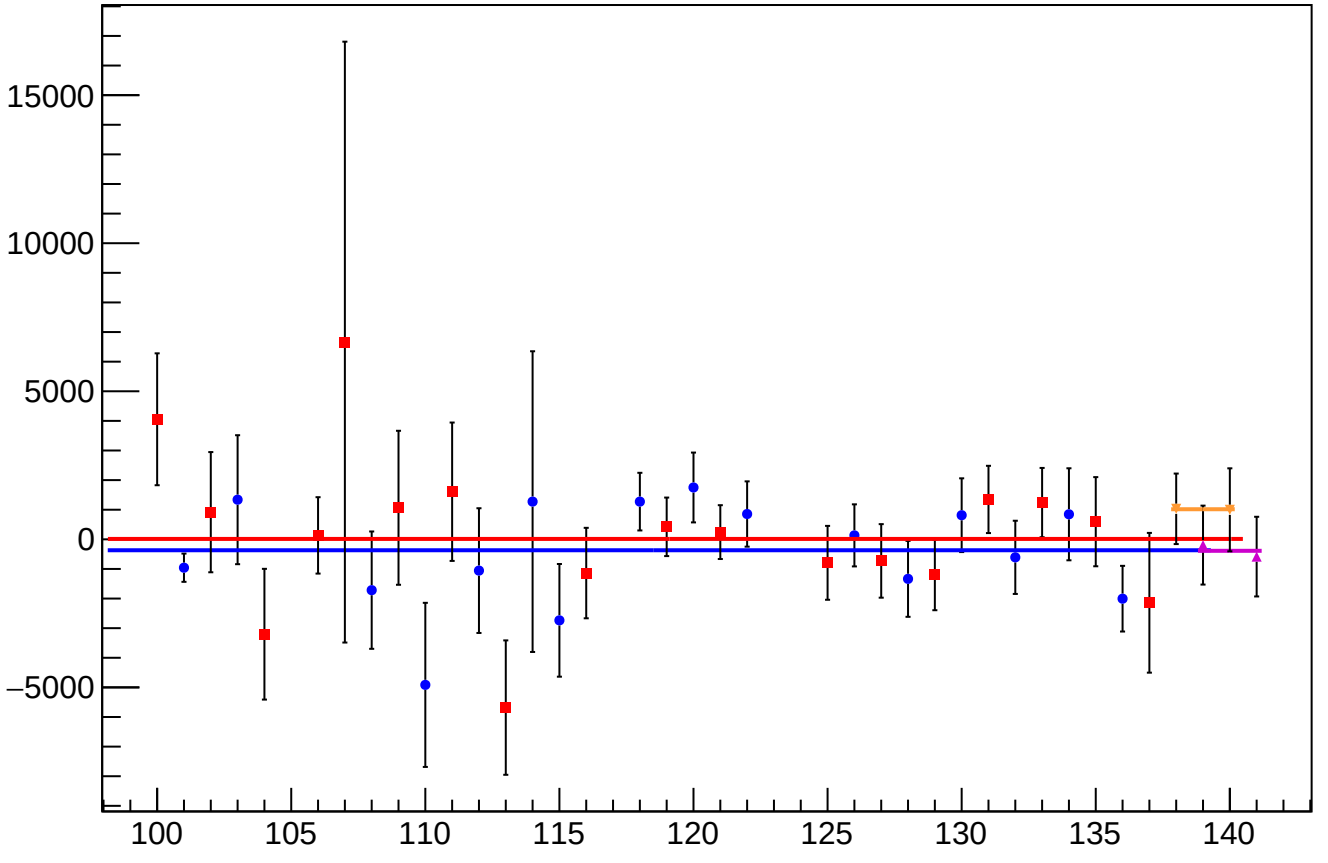
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1533.858+/-0.363 χ^2/NDF:125799.2/17

Out: 1592.128+/-0.379 χ^2/NDF:236476.9/19

All: 1561.748+/-0.262 χ^2/NDF: 374587.8/37

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 1016.365+/-907.296 χ^2/NDF:0.0/1

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: -387.561+/-946.887 χ^2/NDF:0.0/1

Left: 344.366+/-655.104 χ^2/NDF: 1.2/3

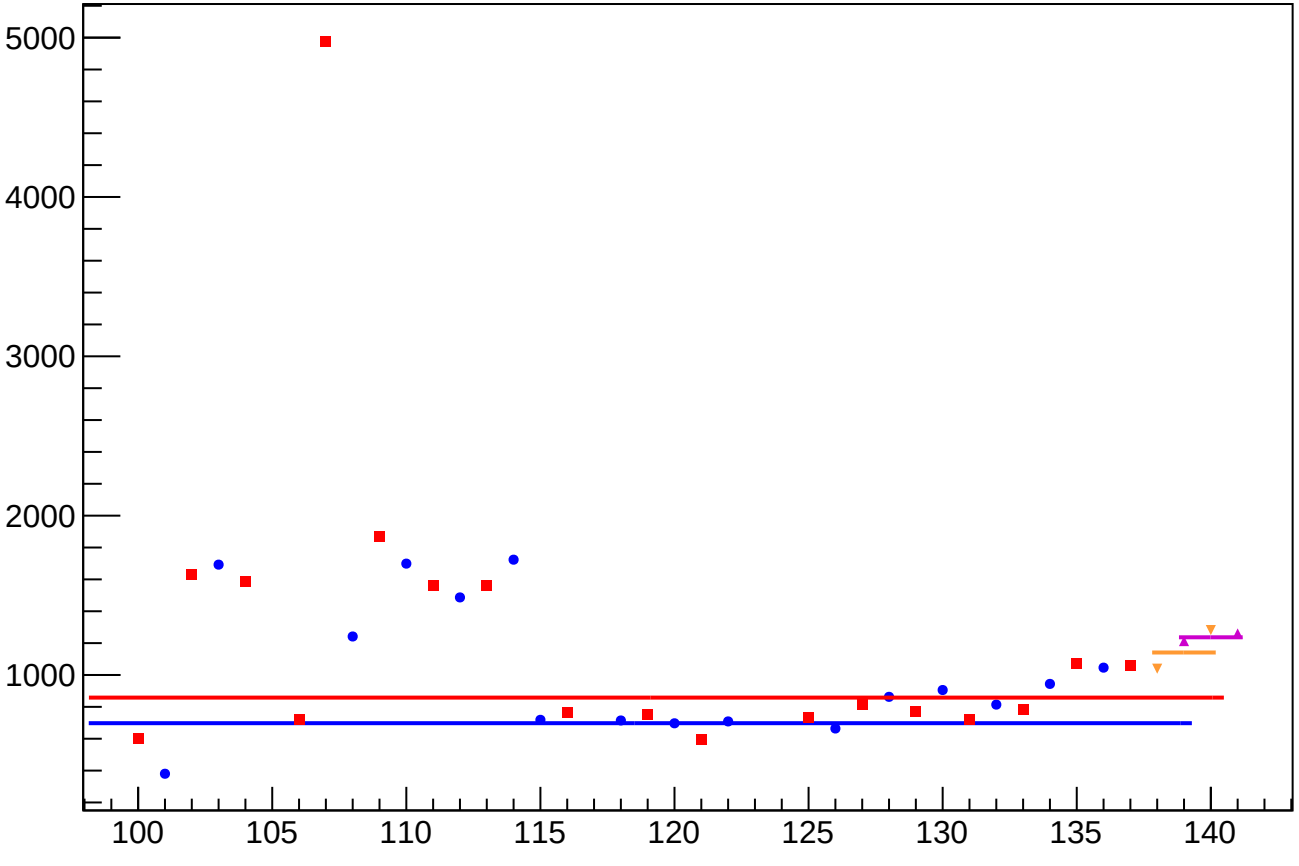
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -370.289+/-274.290 χ^2/NDF:18.9/17

Out: 138.192+/-319.666 χ^2/NDF:20.1/19

All: -154.669+/-208.163 χ^2/NDF: 40.5/37

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1141.155+/-0.642 χ^2/NDF:34775.0/1

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1236.565+/-0.670 χ^2/NDF:1289.3/1

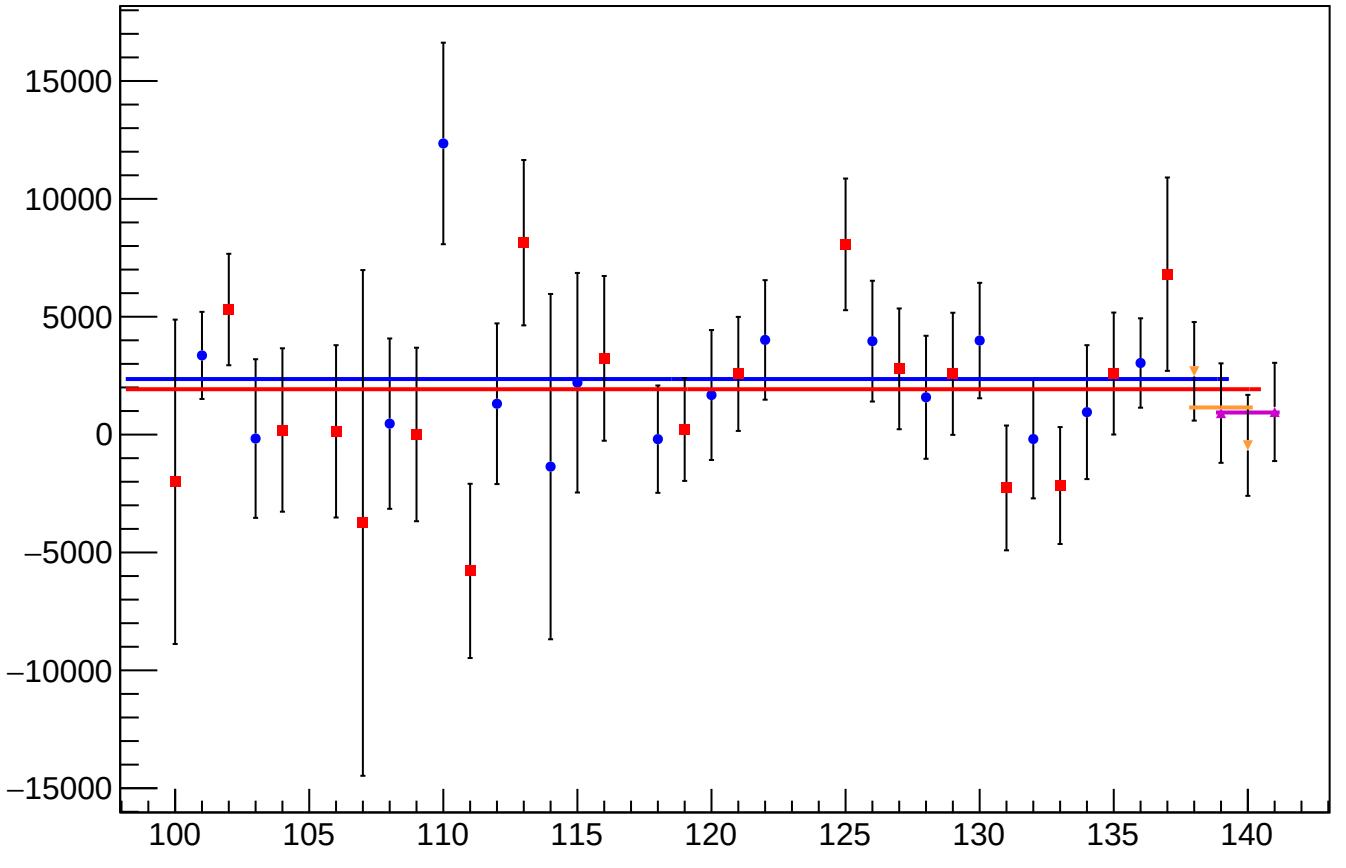
Left: 1186.824+/-0.463 χ^2/NDF: 46650.8/3

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 742.749+/-0.194 χ^2/NDF:3030665.0/17

Out: 893.232+/-0.226 χ^2/NDF:2087451.5/19

All: 806.561+/-0.147 χ^2/NDF: 5373385.1/37



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1151.887+/-1495.957 χ^2/NDF:1.1/1

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 937.183+/-1482.495 χ^2/NDF:0.0/1

Left: 1043.565+/-1053.010 χ^2/NDF: 1.1/3

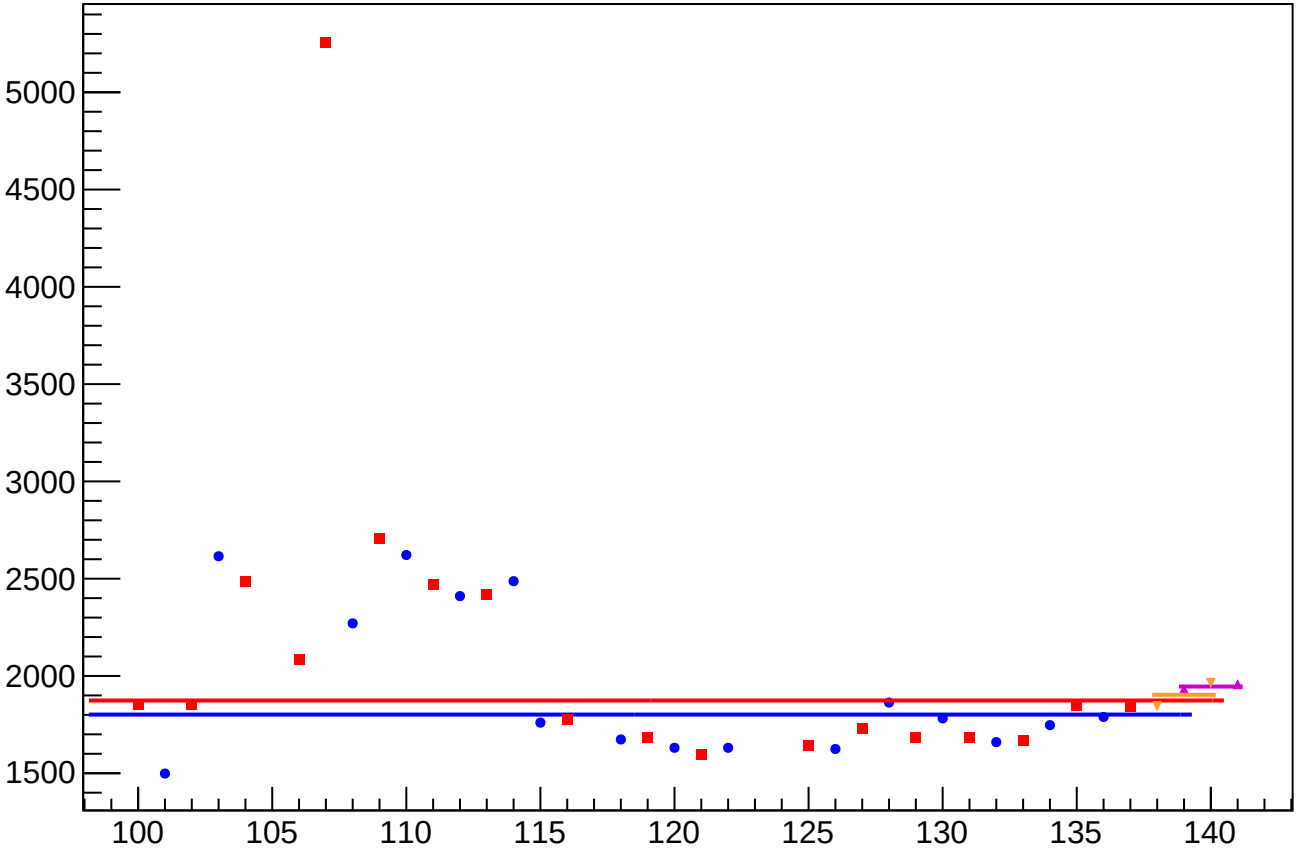
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 2110.836+/-617.288 χ^2/NDF:11.8/17

Out: 1783.766+/-639.068 χ^2/NDF:24.8/19

All: 1952.969+/-443.989 χ^2/NDF: 36.7/37

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1903.095+/-1.058 χ^2/NDF:3181.7/1

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1945.606+/-1.048 χ^2/NDF:144.7/1

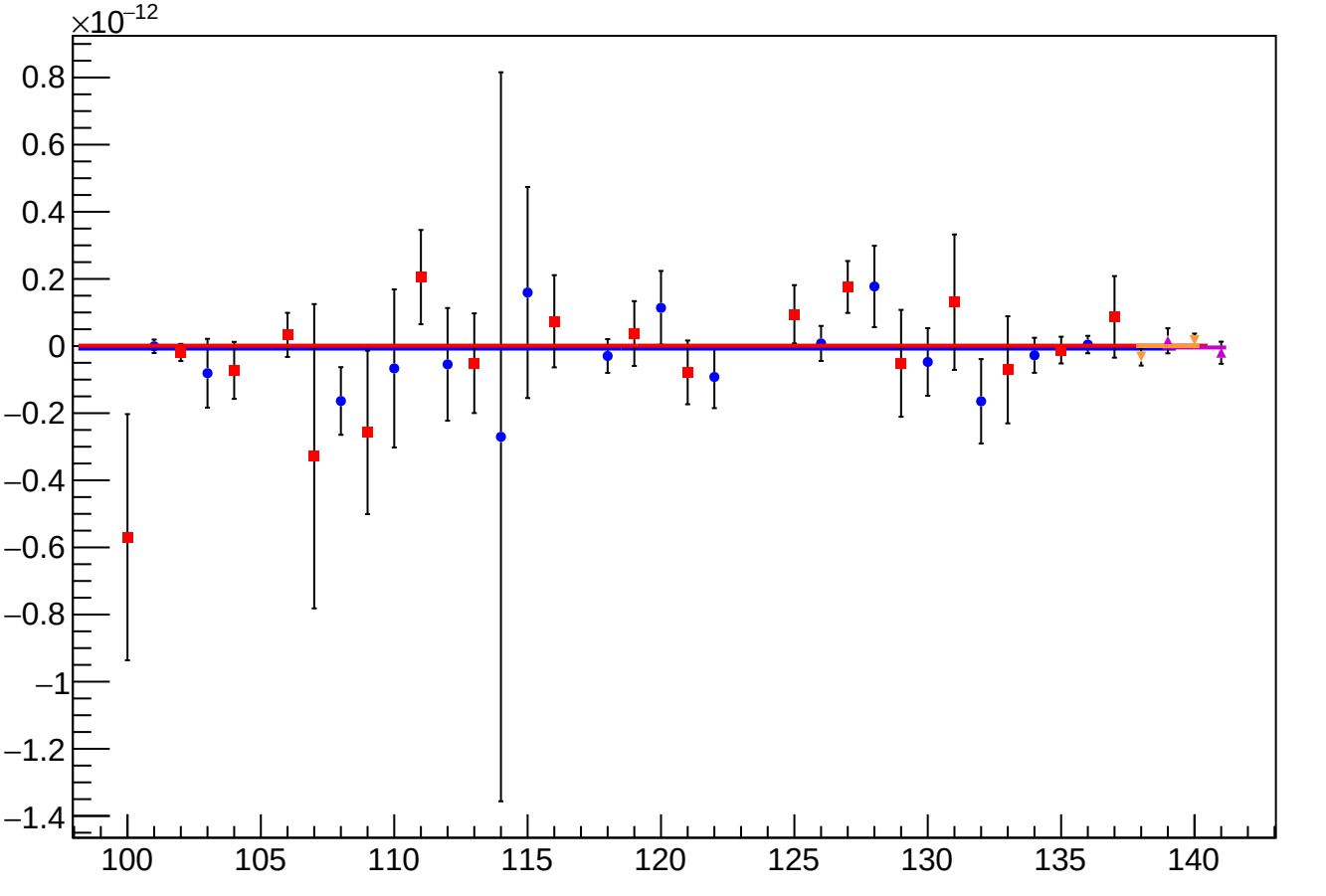
Left: 1924.543+/-0.745 χ^2/NDF: 4141.2/3

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1826.508+/-0.436 χ^2/NDF:416462.2/17

Out: 1879.290+/-0.452 χ^2/NDF:573710.2/19

All: 1851.985+/-0.314 χ^2/NDF: 997230.3/37



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.5/1

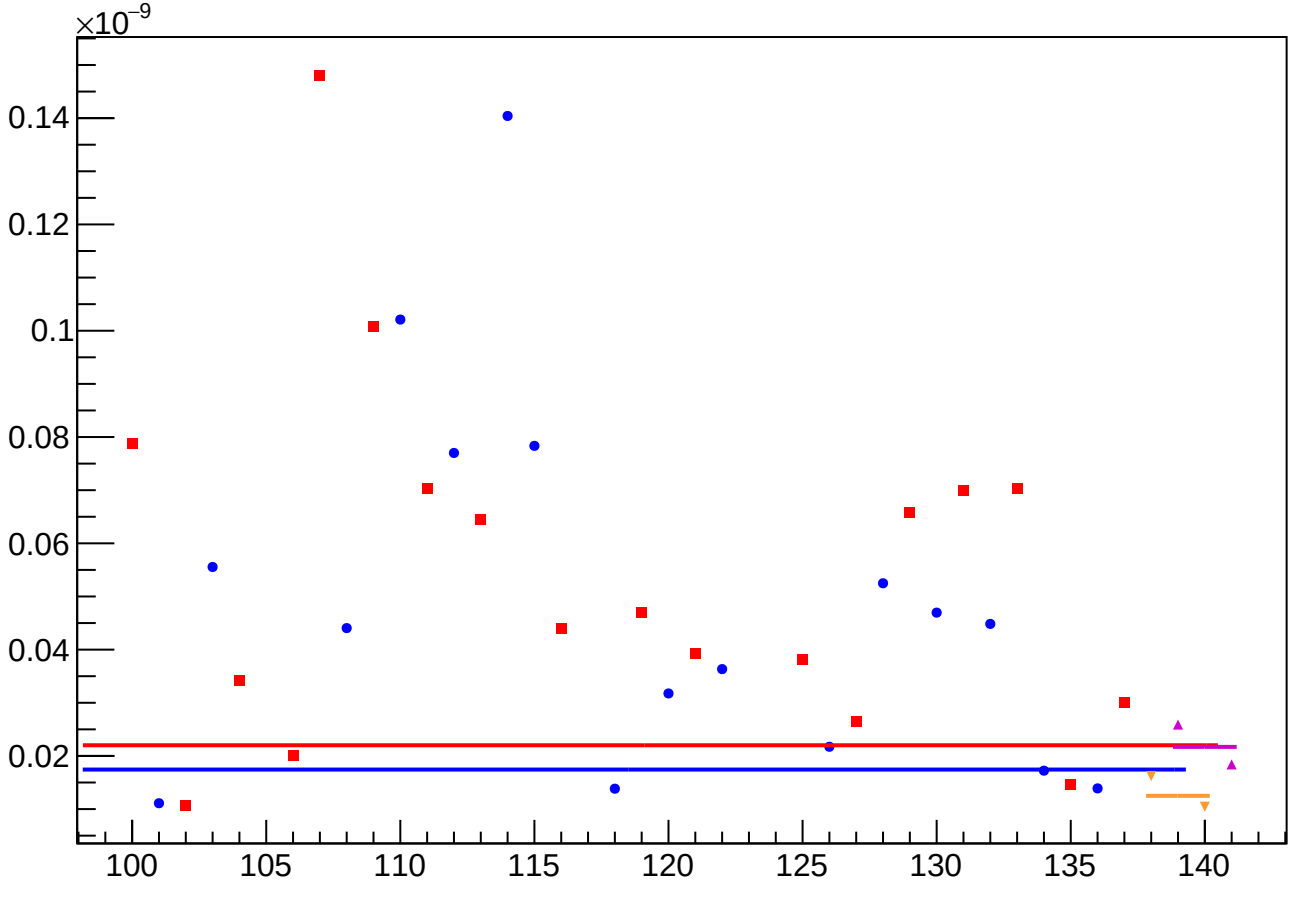
Left: -0.000+/-0.000 χ^2/NDF: 2.6/3

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:10.8/17

Out: 0.000+/-0.000 χ^2/NDF:18.8/19

All: -0.000+/-0.000 χ^2/NDF: 29.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:59856.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:45321.6/1

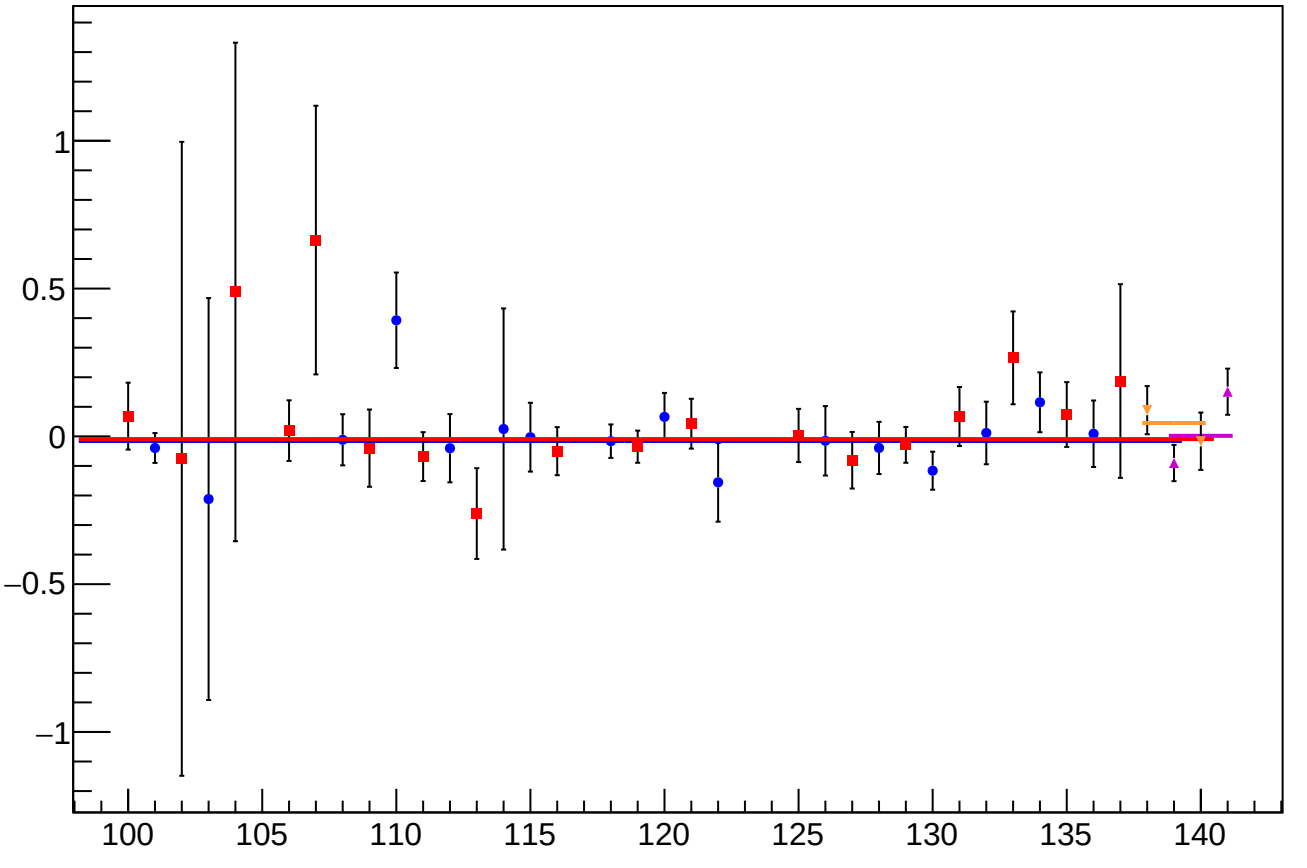
Left: 0.000+/-0.000 χ^2/NDF: 300764.1/3

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:1931855.0/17

Out: 0.000+/-0.000 χ^2/NDF:2487479.8/19

All: 0.000+/-0.000 χ^2/NDF: 4434966.1/37



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.045+/-0.062 χ^2/NDF:0.7/1

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.002+/-0.048 χ^2/NDF:5.9/1

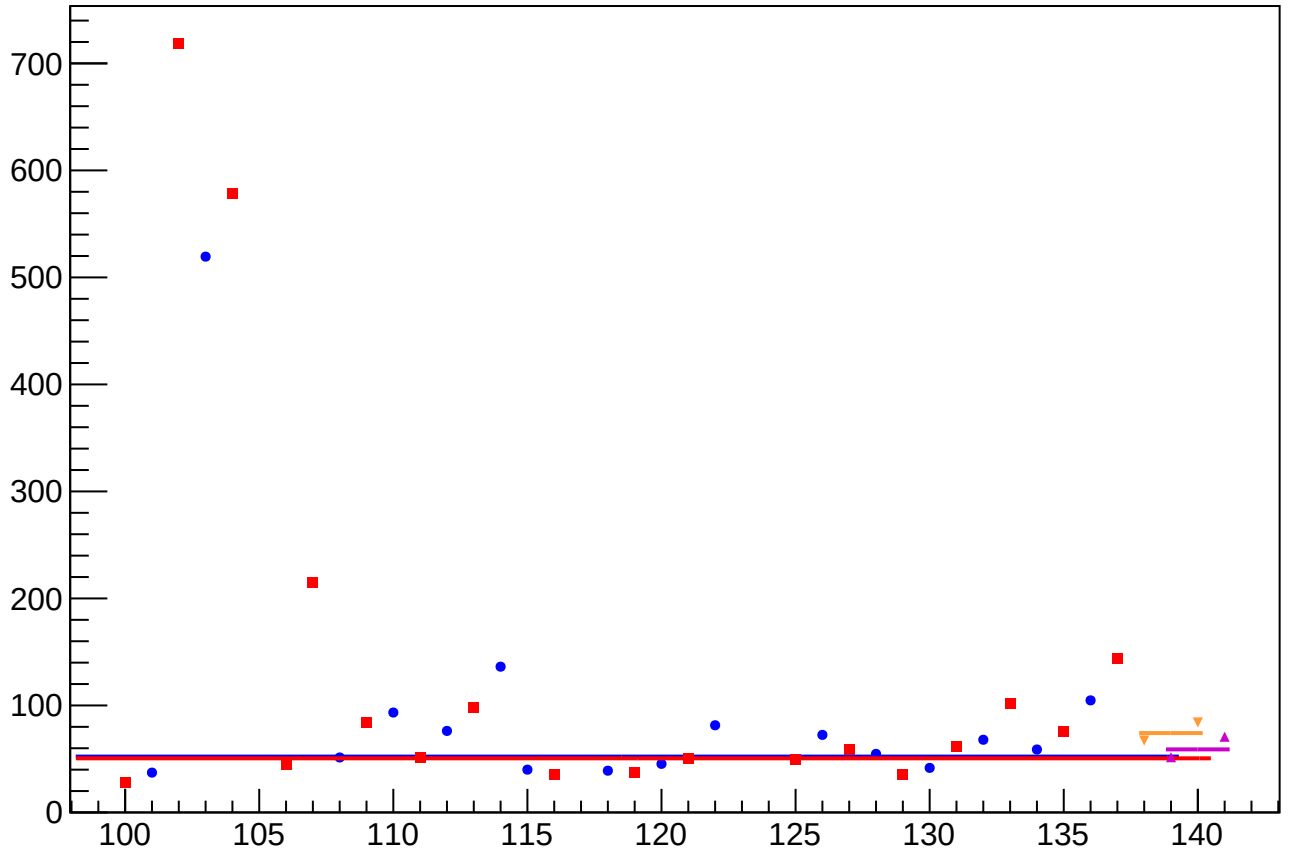
Left: 0.018+/-0.038 χ^2/NDF: 6.9/3

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.020 χ^2/NDF:19.2/17

Out: -0.002+/-0.022 χ^2/NDF:13.8/19

All: -0.008+/-0.015 χ^2/NDF: 33.1/37



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 74.199+/-0.044 χ^2/NDF:35543.7/1

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 58.932+/-0.034 χ^2/NDF:74358.6/1

Left: 64.642+/-0.027 χ^2/NDF: 184878.9/3

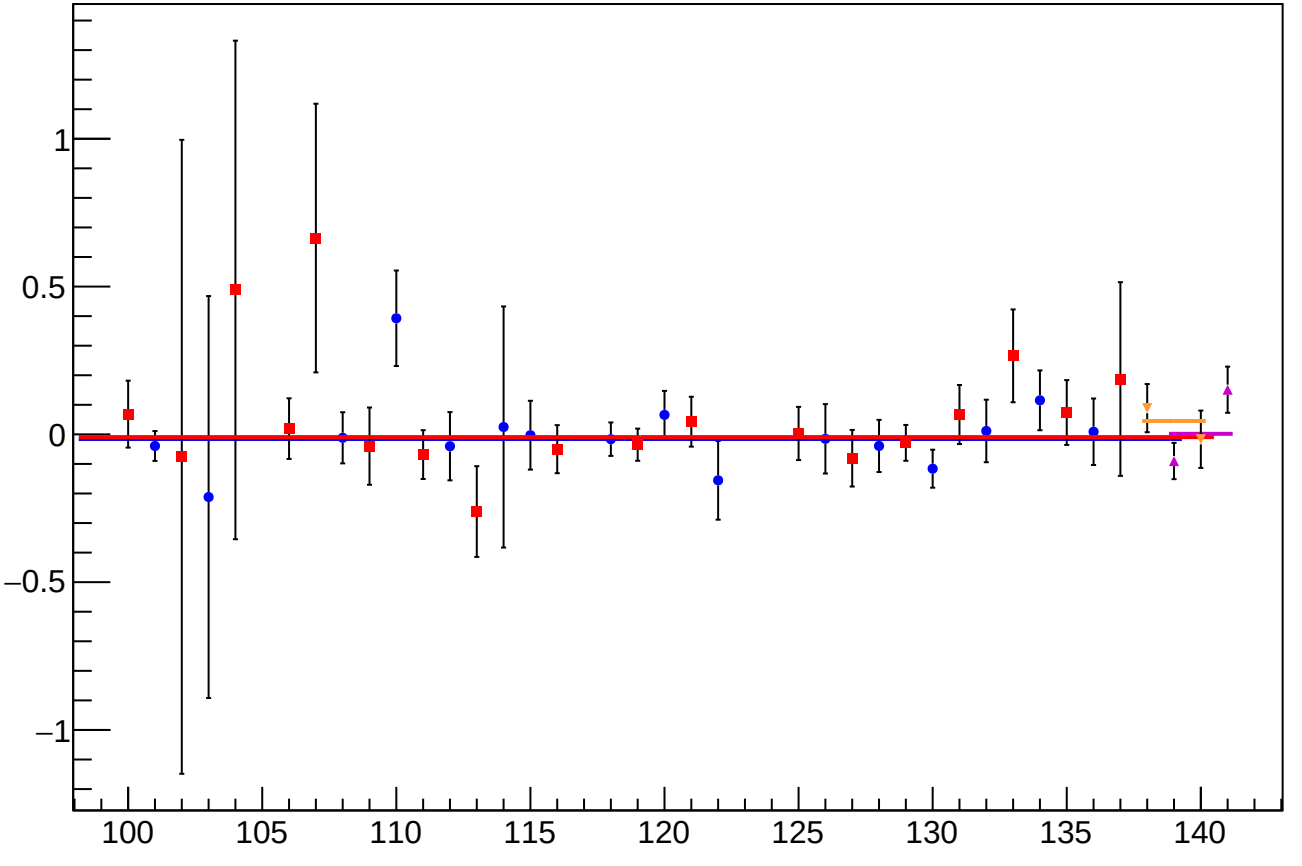
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 53.409+/-0.014 χ^2/NDF:2373314.3/17

Out: 53.538+/-0.016 χ^2/NDF:3337673.6/19

All: 53.468+/-0.011 χ^2/NDF: 5711024.7/37

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.045+/-0.062 χ^2/NDF:0.7/1

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.002+/-0.048 χ^2/NDF:5.9/1

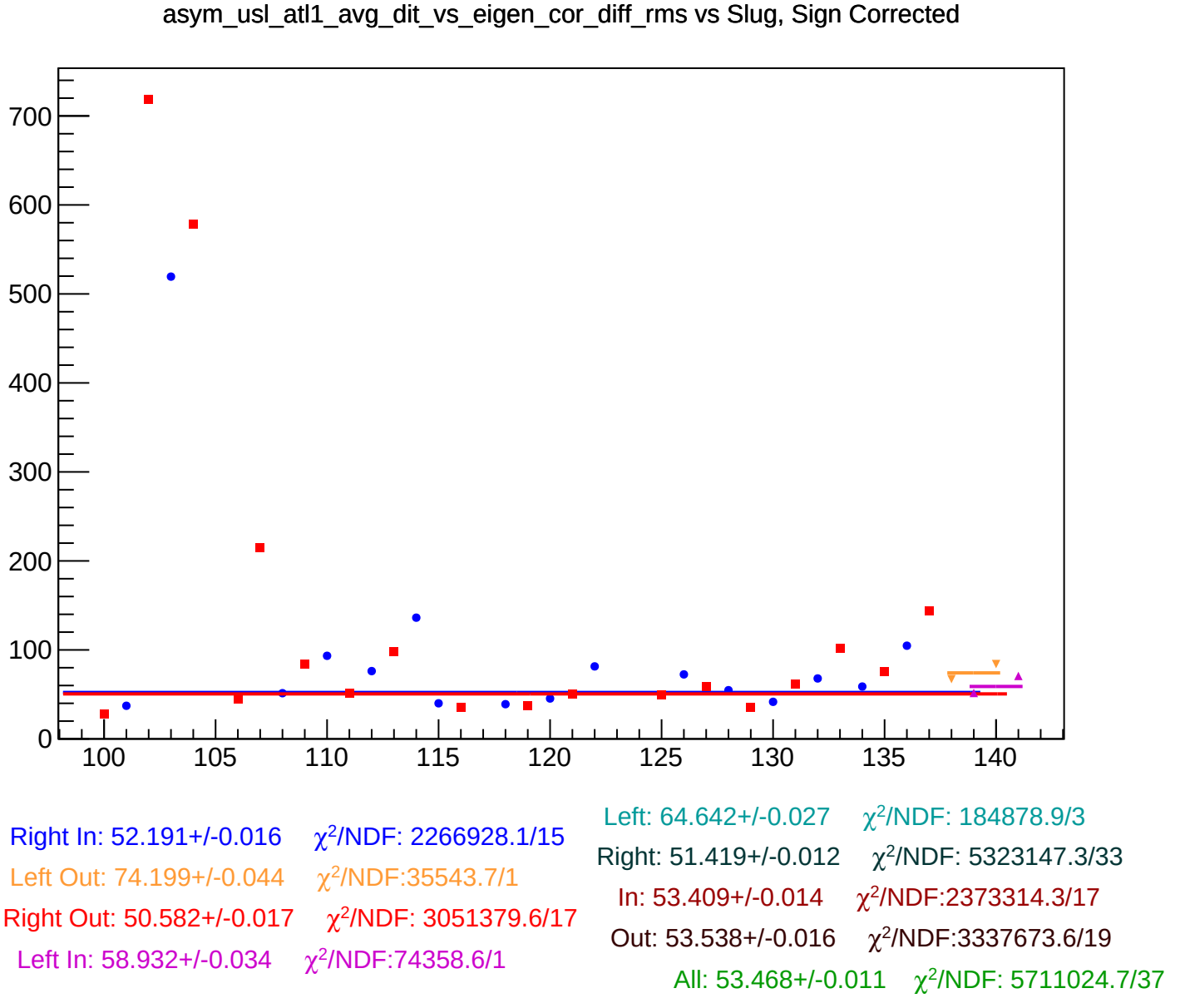
Left: 0.018+/-0.038 χ^2/NDF: 6.9/3

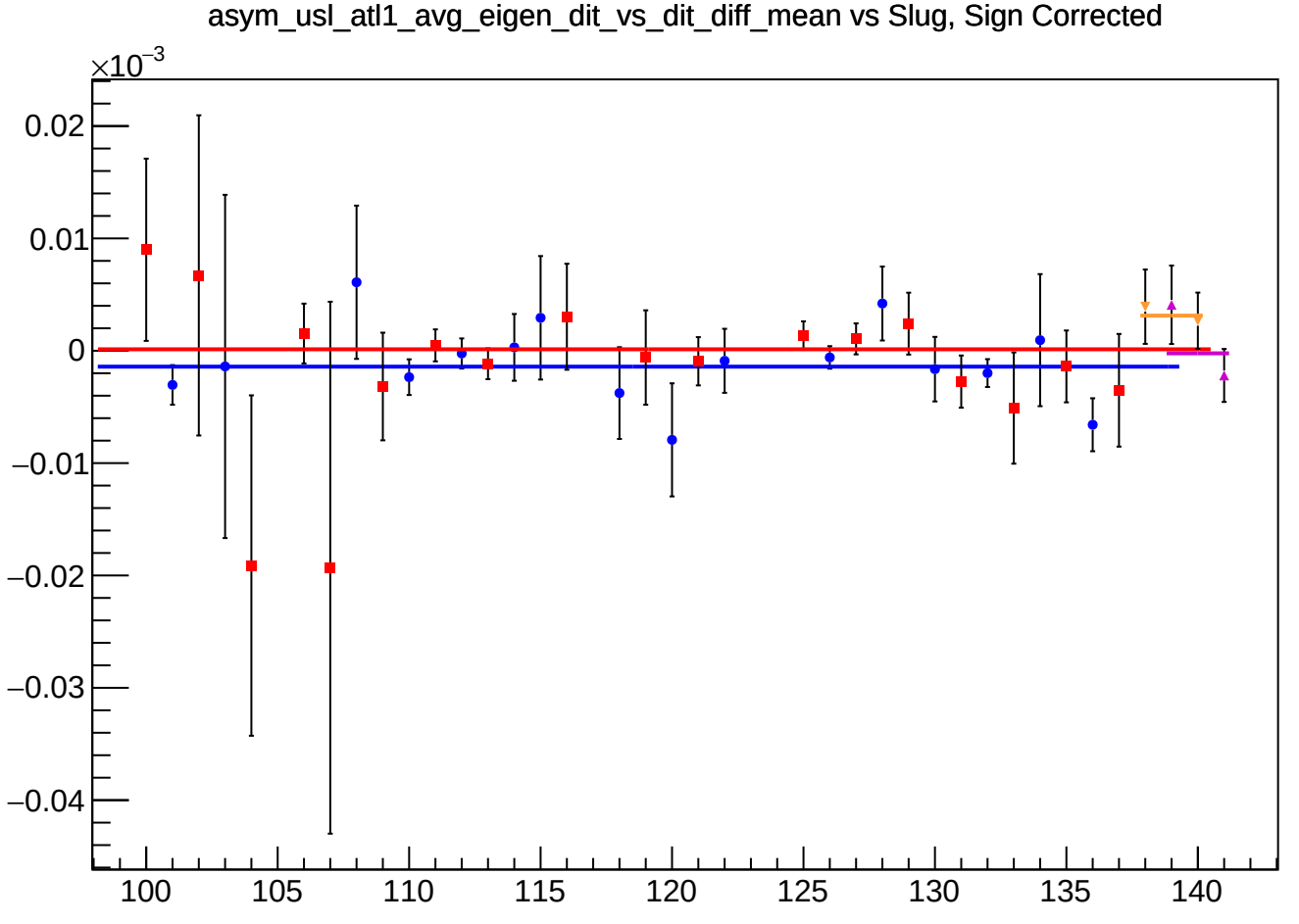
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.020 χ^2/NDF:19.2/17

Out: -0.002+/-0.022 χ^2/NDF:13.8/19

All: -0.008+/-0.015 χ^2/NDF: 33.1/37


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
700
600
500
400
300
200
100
0
100
105
110
115
120
125
130
135
140
Right In: 52.191+/-0.016 χ2/NDF: 2266928.1/15
Left Out: 74.199+/-0.044 χ2/NDF:35543.7/1
Right Out: 50.582+/-0.017 χ2/NDF: 3051379.6/17
Left In: 58.932+/-0.034 χ2/NDF:74358.6/1
Left: 64.642+/-0.027 χ2/NDF: 184878.9/3
Right: 51.419+/-0.012 χ2/NDF: 5323147.3/33
In: 53.409+/-0.014 χ2/NDF:2373314.3/17
Out: 53.538+/-0.016 χ2/NDF:3337673.6/19
All: 53.468+/-0.011 χ2/NDF: 5711024.7/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:2.2/1

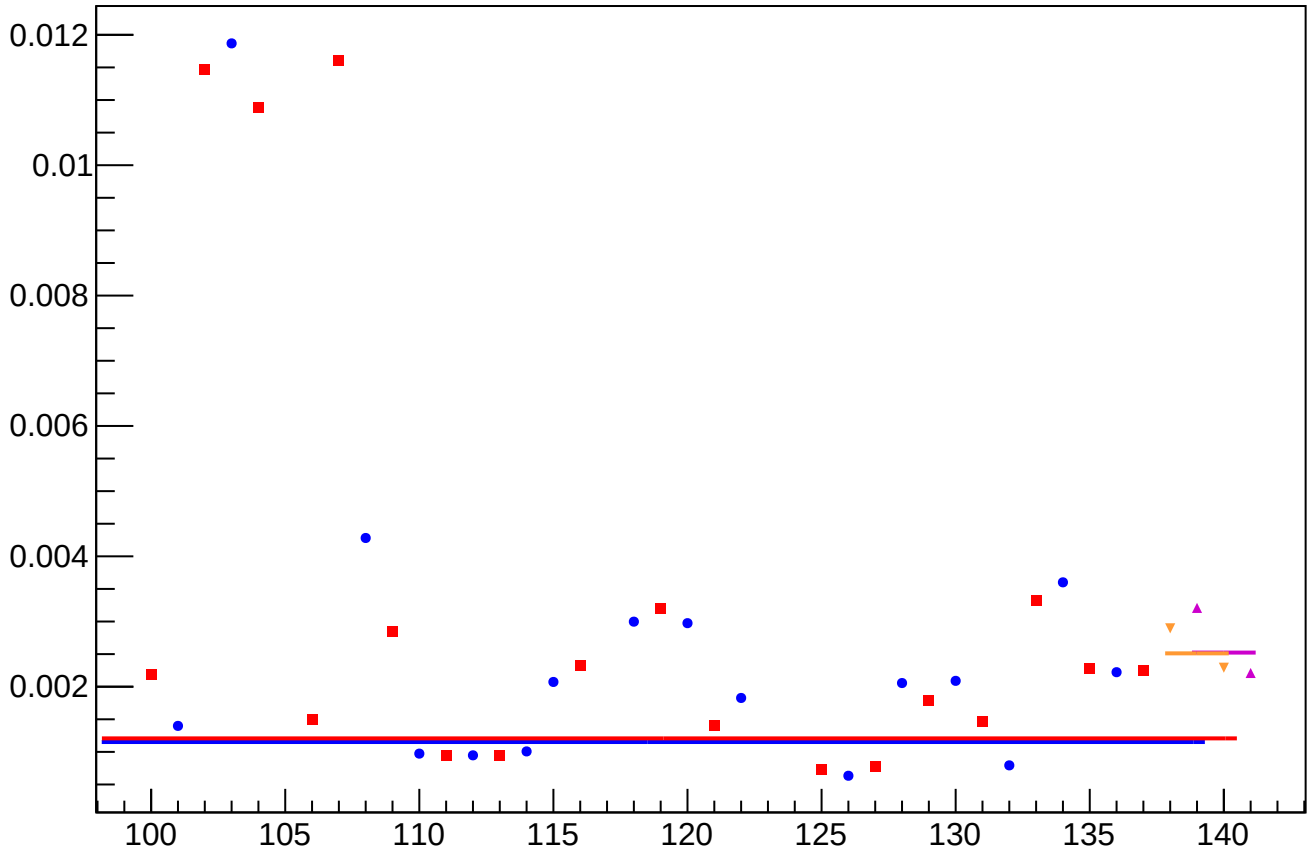
Left: 0.000+/-0.000 χ^2/NDF: 3.8/3

Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:17.5/17

Out: 0.000+/-0.000 χ^2/NDF:13.8/19

All: -0.000+/-0.000 χ^2/NDF: 36.6/37



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:42419.4/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.003+/-0.000 χ^2/NDF:112371.6/1

Left: 0.003+/-0.000 χ^2/NDF: 154826.6/3

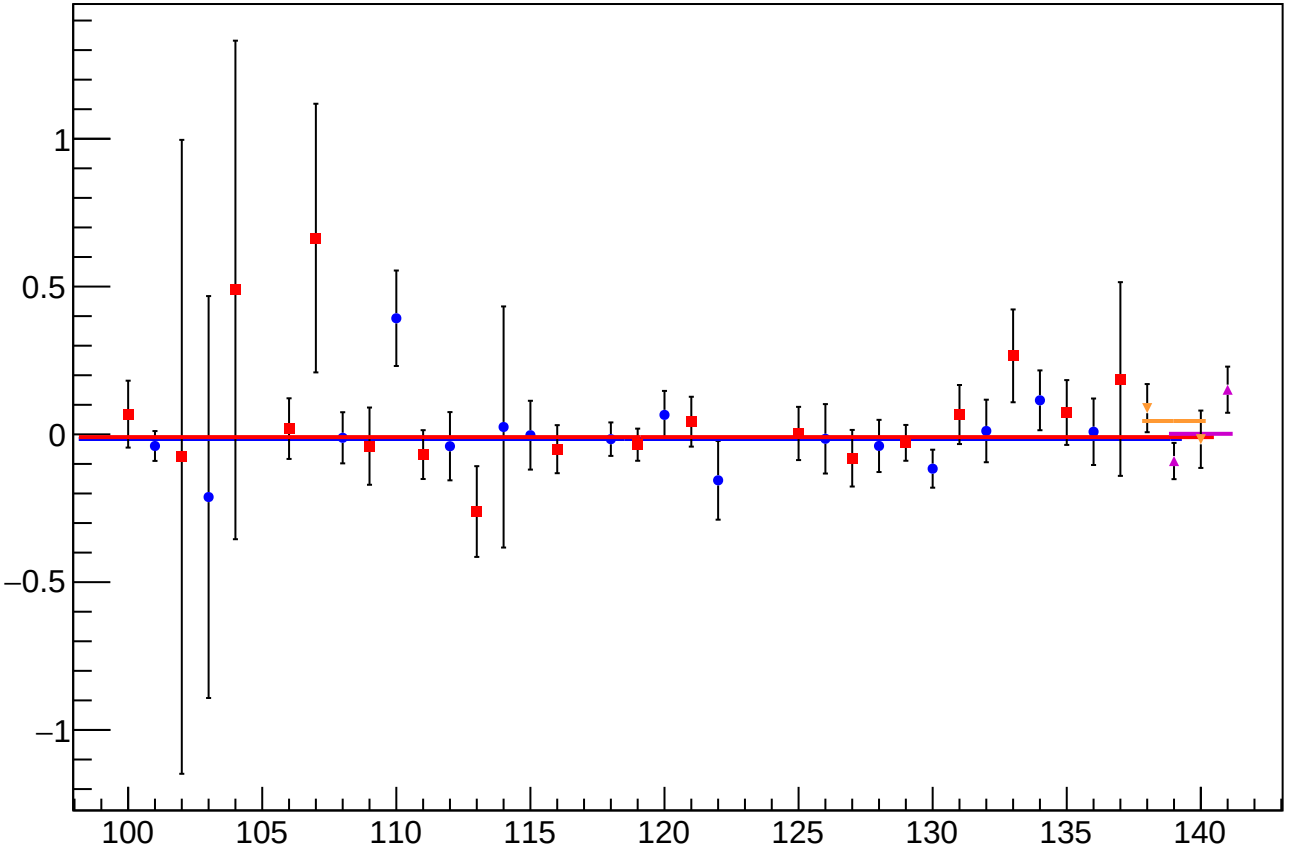
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:5221806.4/17

Out: 0.001+/-0.000 χ^2/NDF:5355908.3/19

All: 0.001+/-0.000 χ^2/NDF: 10591168.5/37

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.045+/-0.062 χ^2/NDF:0.7/1

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.002+/-0.048 χ^2/NDF:5.9/1

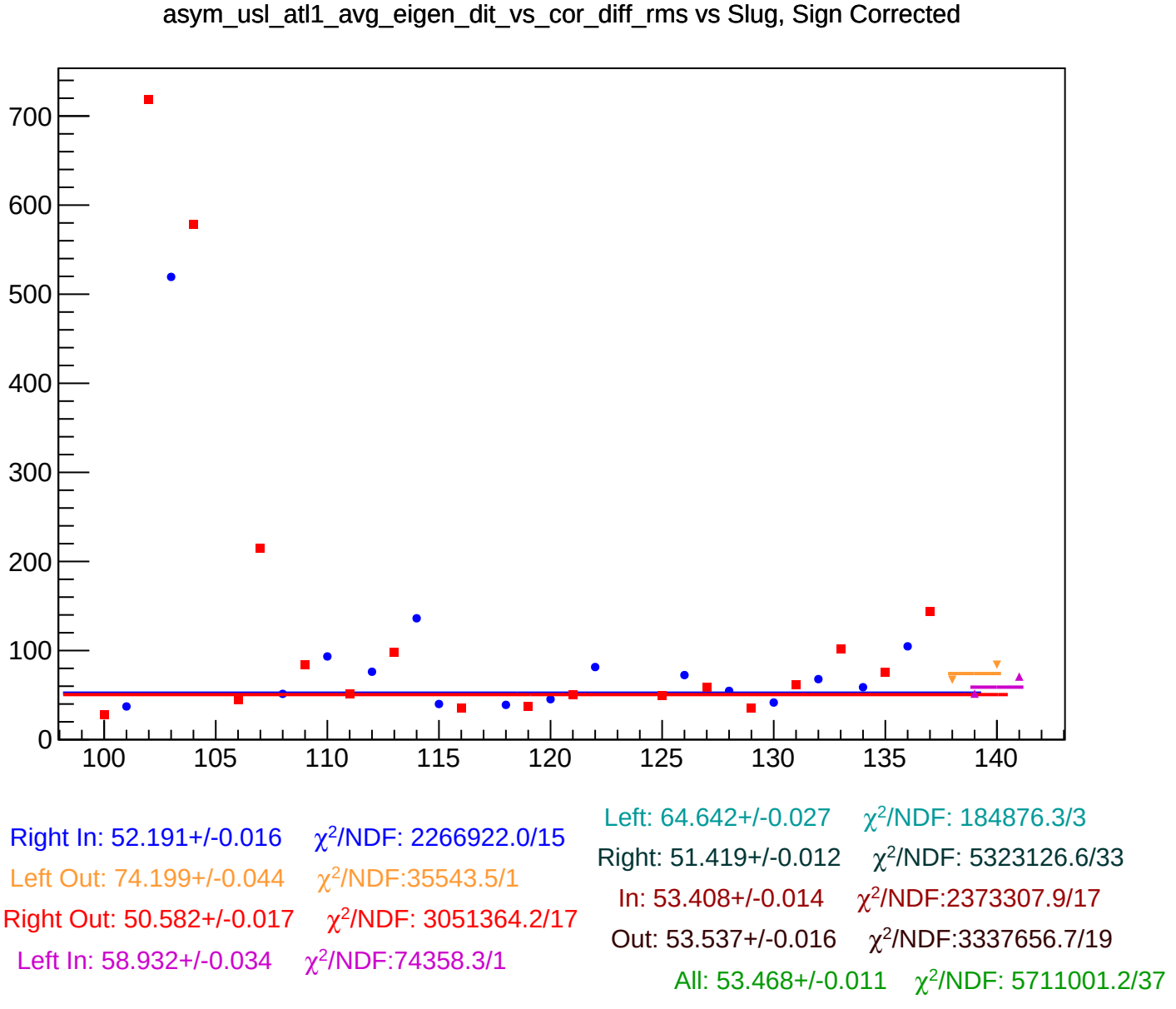
Left: 0.018+/-0.038 χ^2/NDF: 6.9/3

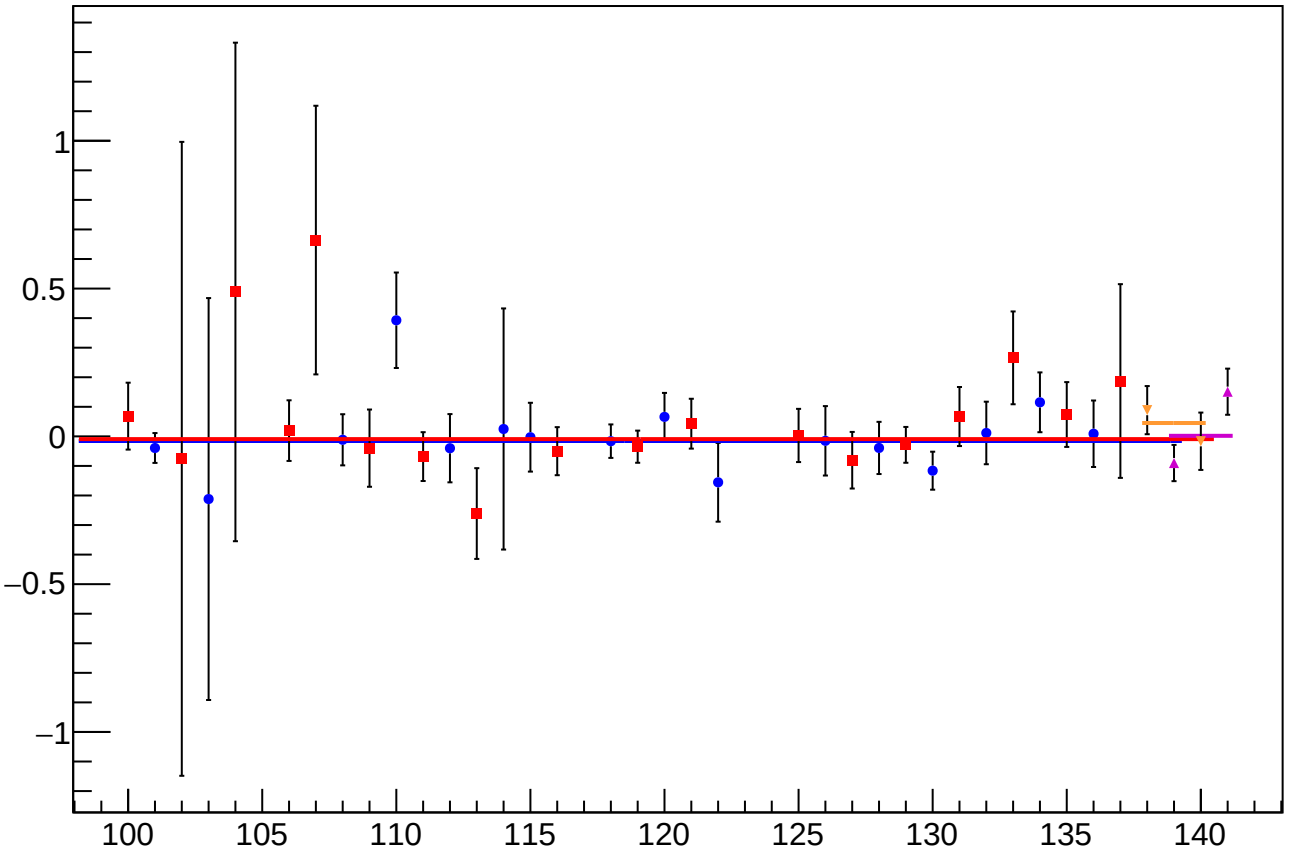
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.020 χ^2/NDF:19.2/17

Out: -0.002+/-0.022 χ^2/NDF:13.8/19

All: -0.008+/-0.015 χ^2/NDF: 33.1/37


asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
700
600
500
400
300
200
100
0
100
105
110
115
120
125
130
135
140
Right In: 52.191+/-0.016 χ2/NDF: 2266922.0/15
Left Out: 74.199+/-0.044 χ2/NDF:35543.5/1
Right Out: 50.582+/-0.017 χ2/NDF: 3051364.2/17
Left In: 58.932+/-0.034 χ2/NDF:74358.3/1
Left: 64.642+/-0.027 χ2/NDF: 184876.3/3
Right: 51.419+/-0.012 χ2/NDF: 5323126.6/33
In: 53.408+/-0.014 χ2/NDF:2373307.9/17
Out: 53.537+/-0.016 χ2/NDF:3337656.7/19
All: 53.468+/-0.011 χ2/NDF: 5711001.2/37



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.045+/-0.062 χ^2/NDF:0.7/1

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.002+/-0.048 χ^2/NDF:5.9/1

Left: 0.018+/-0.038 χ^2/NDF: 6.9/3

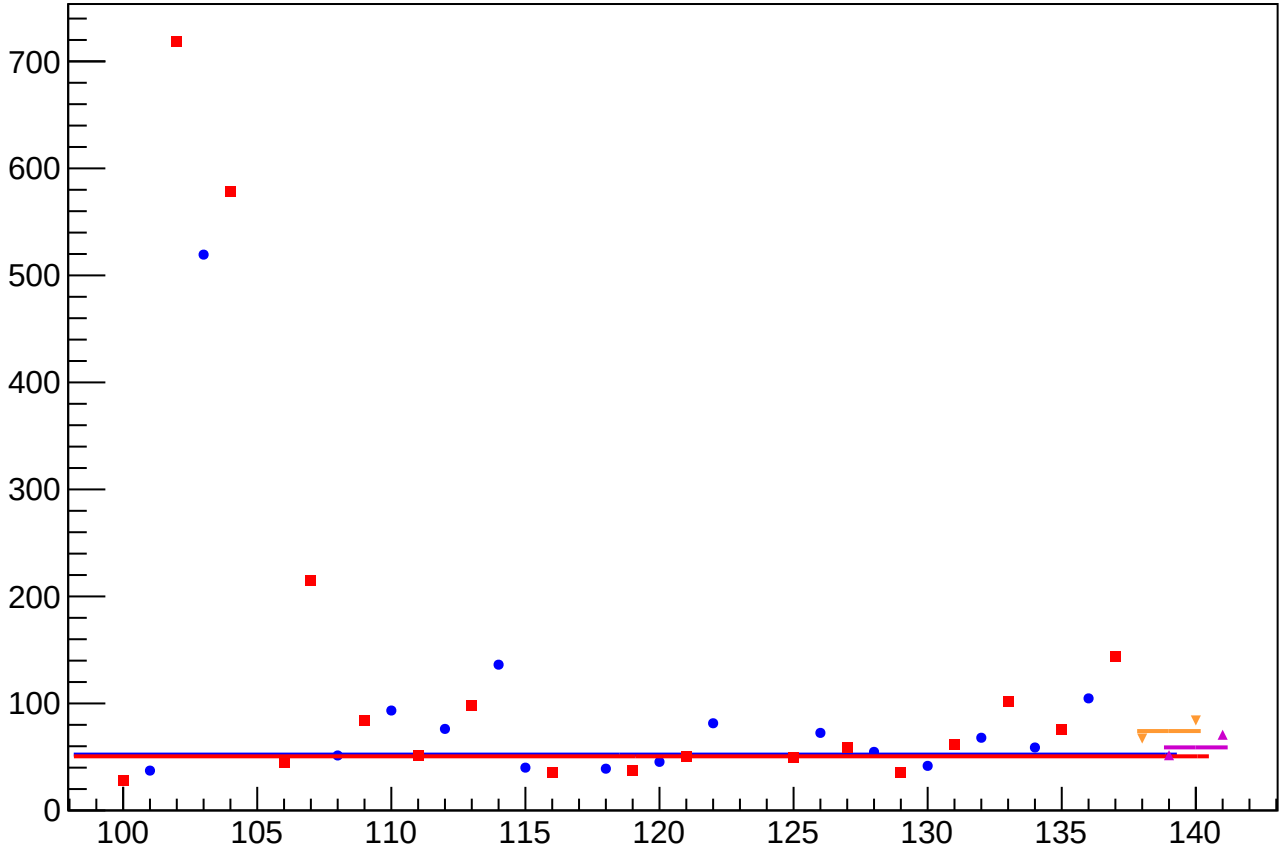
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.020 χ^2/NDF:19.2/17

Out: -0.002+/-0.022 χ^2/NDF:13.8/19

All: -0.008+/-0.015 χ^2/NDF: 33.1/37

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 74.199+/-0.044 χ^2/NDF:35543.5/1

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 58.932+/-0.034 χ^2/NDF:74358.3/1

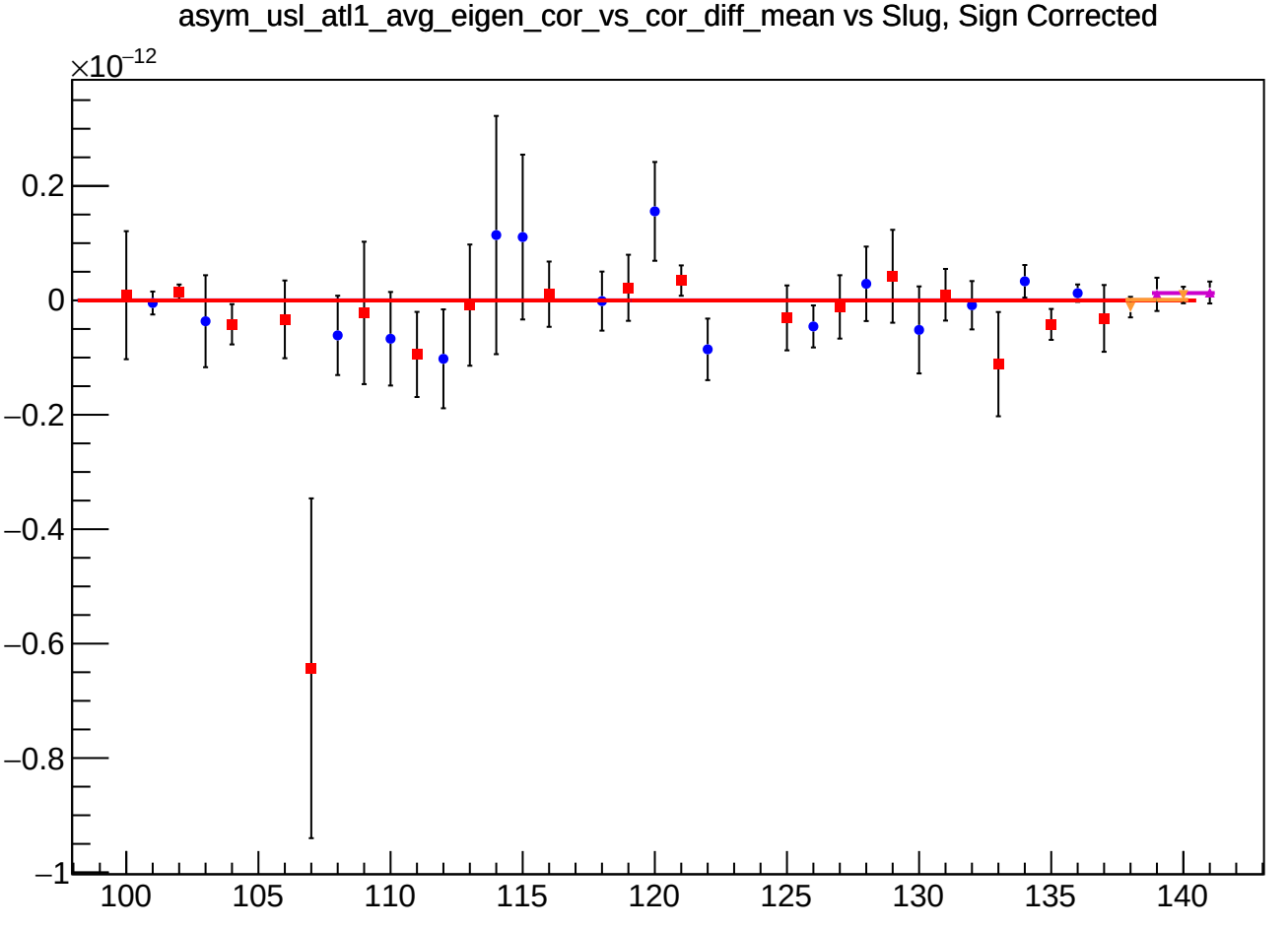
Left: 64.642+/-0.027 χ^2/NDF: 184876.3/3

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 53.408+/-0.014 χ^2/NDF:2373307.9/17

Out: 53.537+/-0.016 χ^2/NDF:3337656.7/19

All: 53.468+/-0.011 χ^2/NDF: 5711001.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

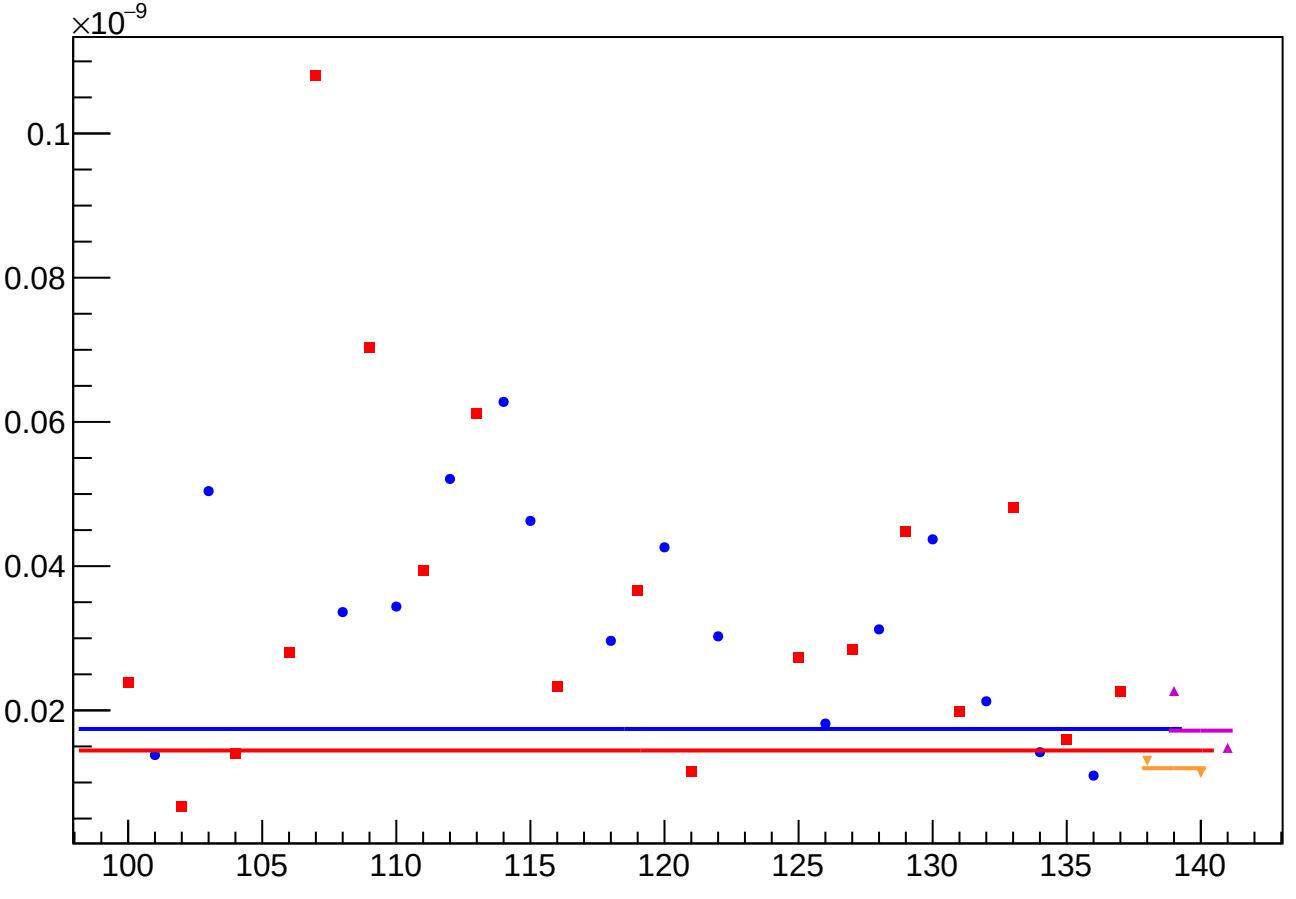
Left: 0.000+/-0.000 χ^2/NDF: 1.2/3

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: 0.000+/-0.000 χ^2/NDF:14.5/17

Out: 0.000+/-0.000 χ^2/NDF:16.9/19

All: 0.000+/-0.000 χ^2/NDF: 31.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10622.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:102688.1/1

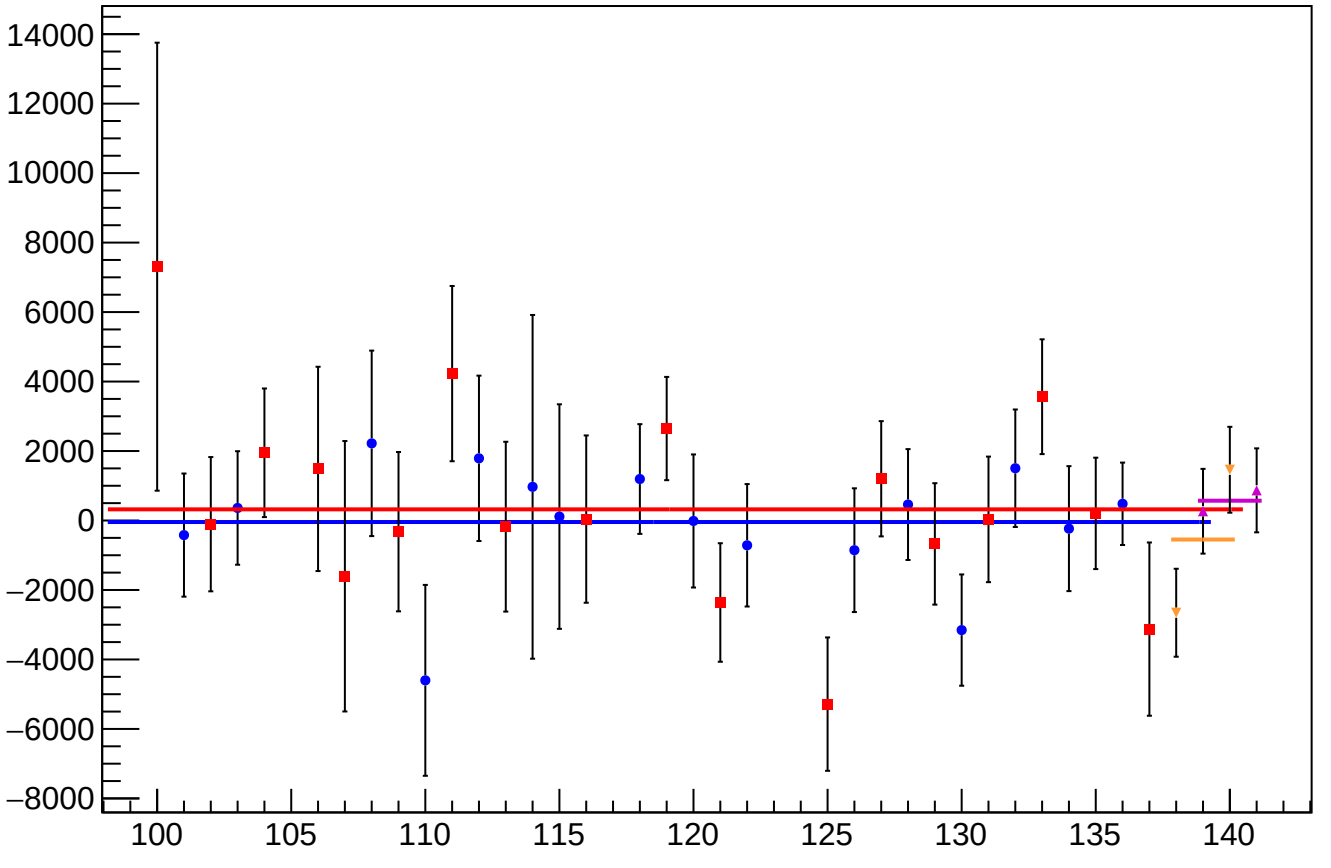
Left: 0.000+/-0.000 χ^2/NDF: 255343.7/3

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:2327523.2/17

Out: 0.000+/-0.000 χ^2/NDF:3330089.9/19

All: 0.000+/-0.000 χ^2/NDF: 5919901.0/37



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -547.593+/-884.216 χ^2/NDF:5.4/1

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 570.101+/-858.507 χ^2/NDF:0.1/1

Left: 27.739+/-615.944 χ^2/NDF: 6.4/3

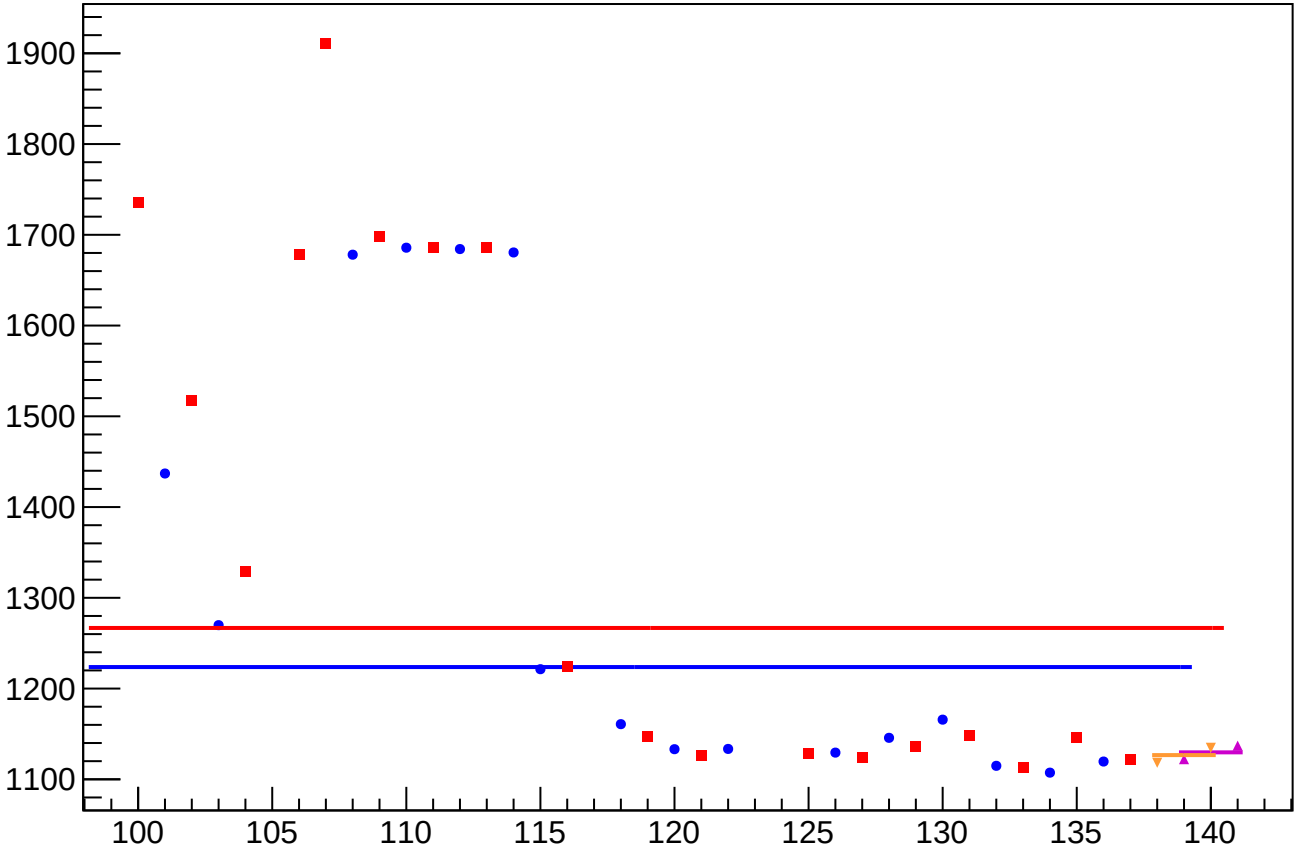
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 92.868+/-404.931 χ^2/NDF:10.6/17

Out: 126.720+/-418.403 χ^2/NDF:30.9/19

All: 109.240+/-290.975 χ^2/NDF: 41.6/37

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1126.693+/-0.625 χ^2/NDF:174.1/1

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1129.711+/-0.607 χ^2/NDF:150.4/1

Left: 1128.247+/-0.436 χ^2/NDF: 336.5/3

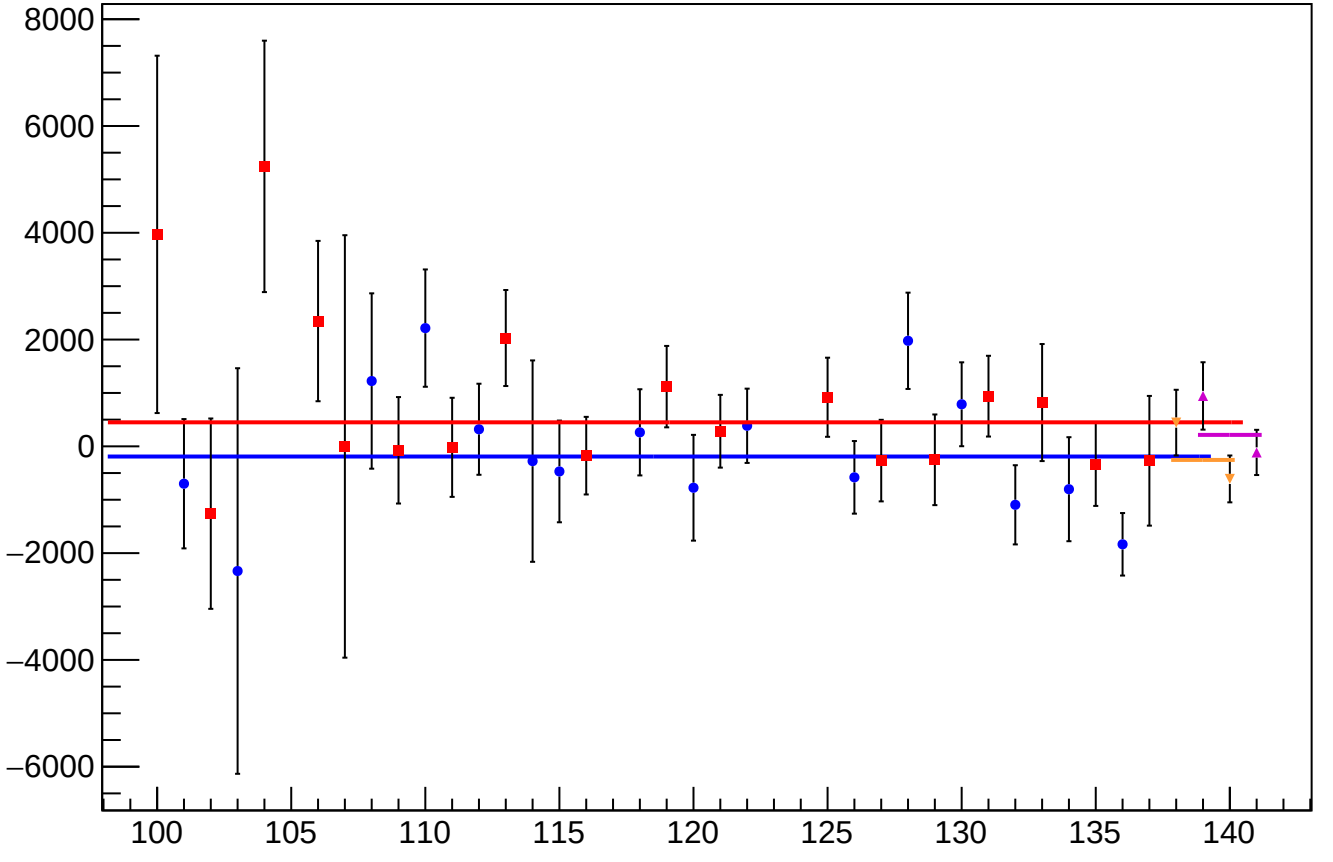
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1202.794+/-0.286 χ^2/NDF:313756.9/17

Out: 1235.413+/-0.296 χ^2/NDF:471979.4/19

All: 1218.570+/-0.206 χ^2/NDF: 792013.0/37

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -254.491+/-357.174 χ^2/NDF:1.9/1

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 214.492+/-351.549 χ^2/NDF:1.9/1

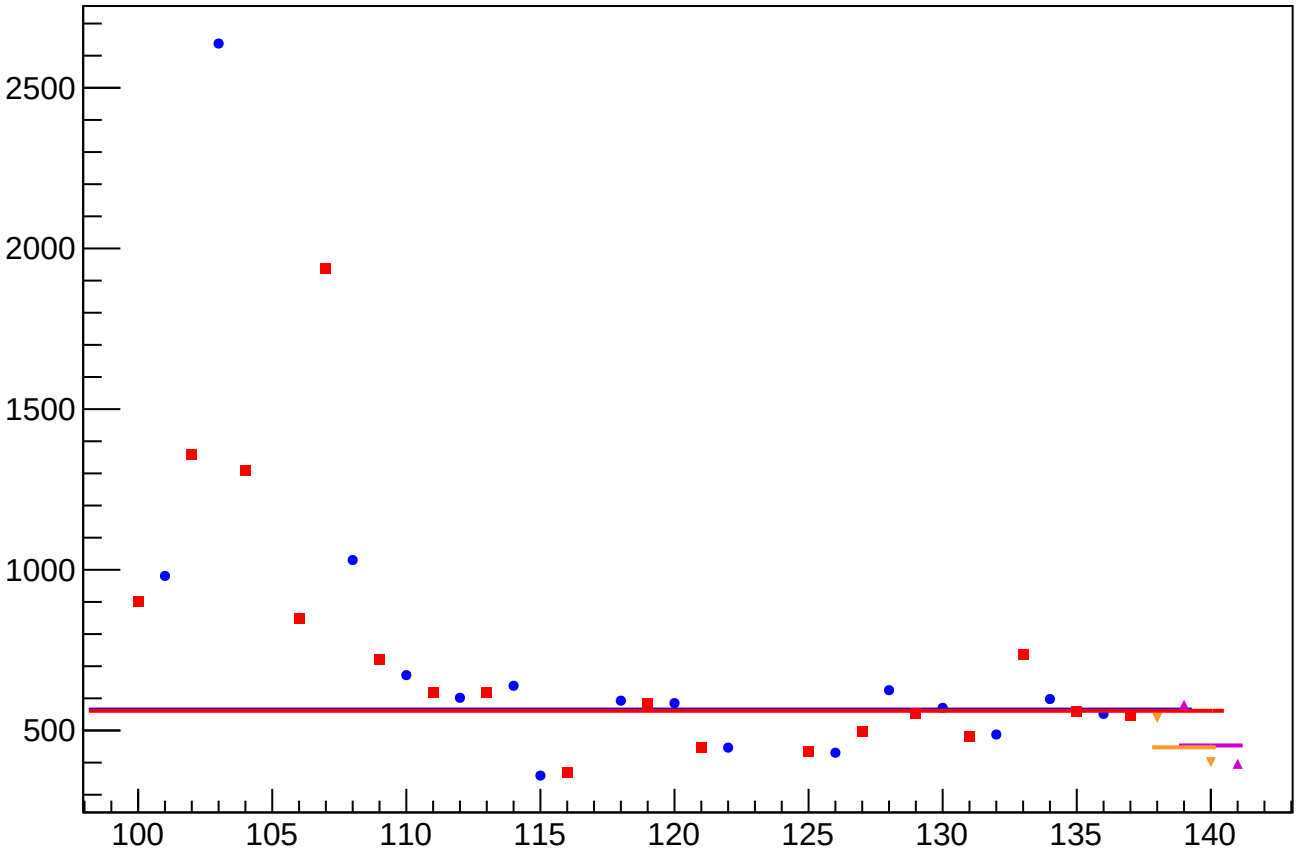
Left: -16.278+/-250.548 χ^2/NDF: 4.8/3

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: -74.490+/-188.230 χ^2/NDF:28.1/17

Out: 252.039+/-189.283 χ^2/NDF:21.6/19

All: 87.864+/-133.470 χ^2/NDF: 51.2/37



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 447.506+/-0.253 χ^2/NDF:66078.9/1

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 453.383+/-0.249 χ^2/NDF:116939.2/1

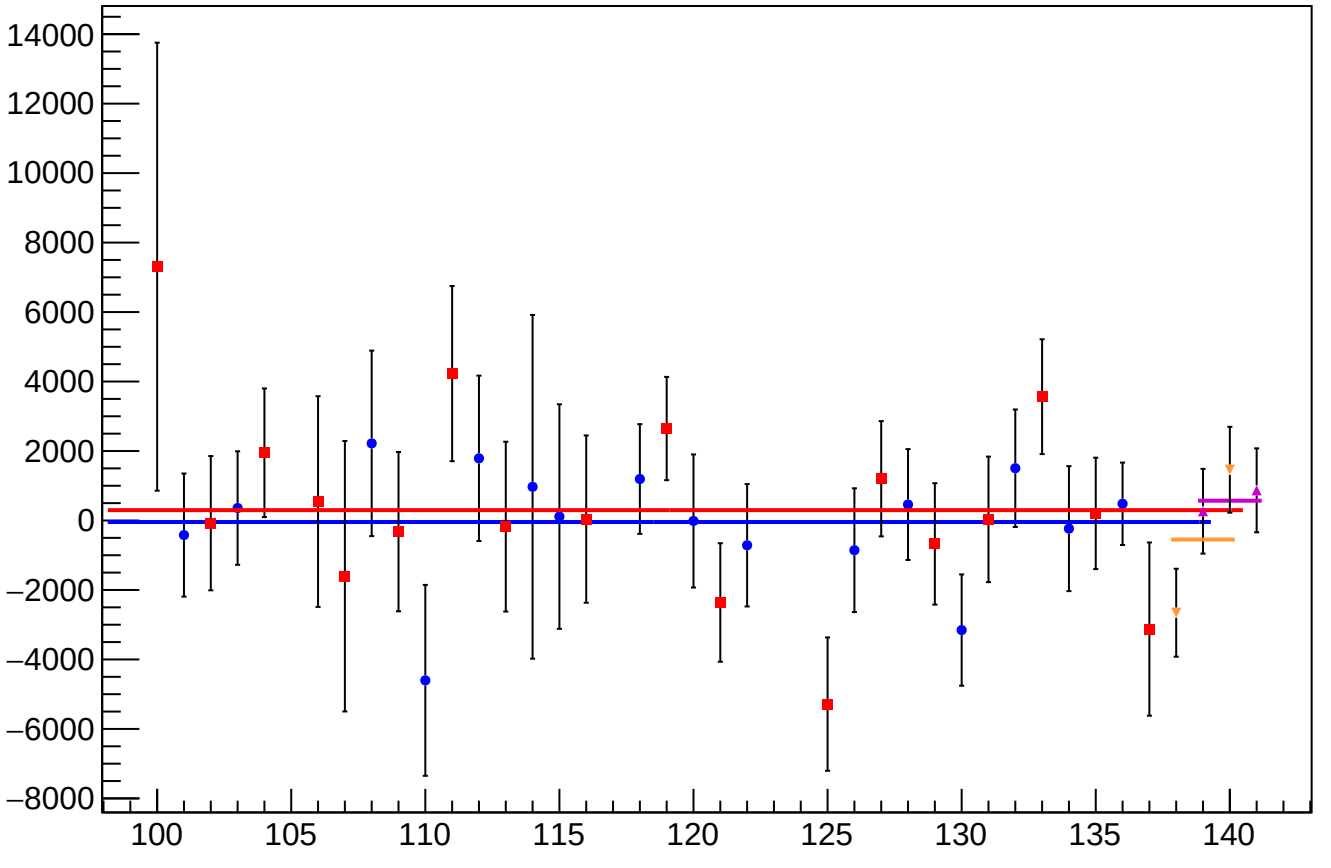
Left: 450.491+/-0.177 χ^2/NDF: 183293.1/3

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 532.971+/-0.133 χ^2/NDF:1545125.7/17

Out: 529.301+/-0.134 χ^2/NDF:1564165.9/19

All: 531.146+/-0.094 χ^2/NDF: 3109669.8/37



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -547.521+/-884.216 χ^2/NDF:5.4/1

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 569.851+/-858.507 χ^2/NDF:0.1/1

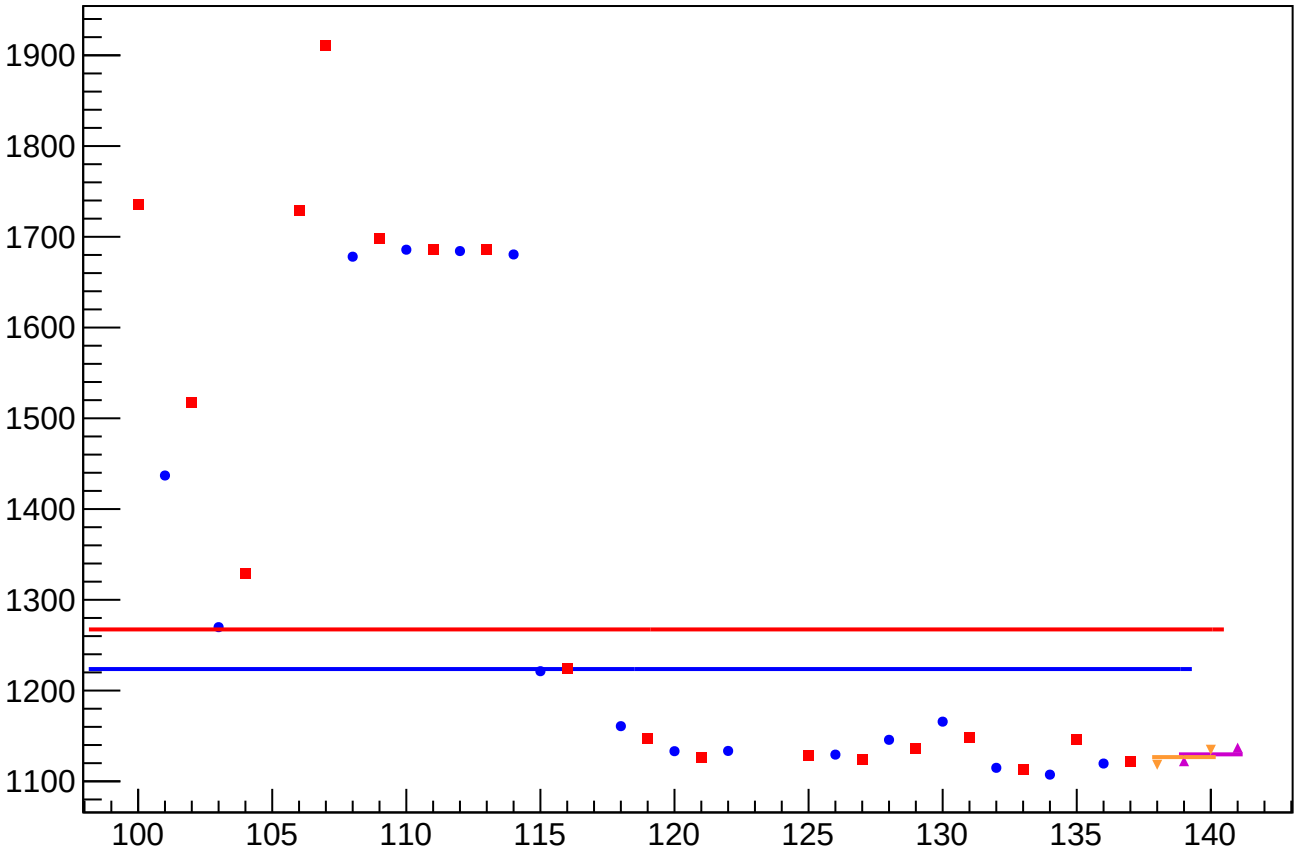
Left: 27.645+/-615.944 χ^2/NDF: 6.4/3

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 92.624+/-404.931 χ^2/NDF:10.6/17

Out: 108.609+/-418.659 χ^2/NDF:30.7/19

All: 100.350+/-291.062 χ^2/NDF: 41.4/37



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1126.693+/-0.625 χ^2/NDF:174.1/1

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1129.711+/-0.607 χ^2/NDF:150.4/1

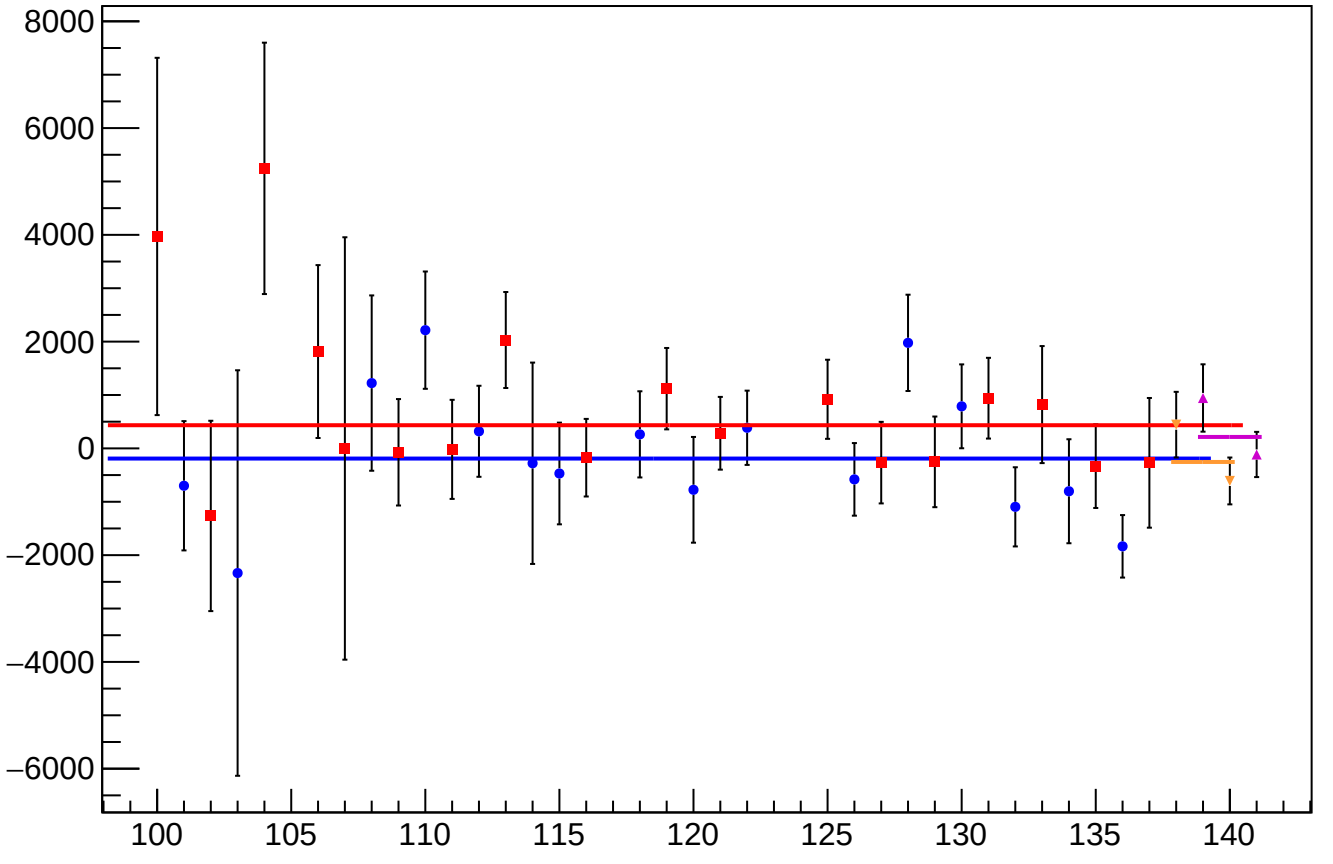
Left: 1128.247+/-0.436 χ^2/NDF: 336.5/3

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1202.794+/-0.286 χ^2/NDF:313757.0/17

Out: 1235.827+/-0.296 χ^2/NDF:479427.7/19

All: 1218.760+/-0.206 χ^2/NDF: 799617.6/37



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -254.470+/-357.174 χ^2/NDF:1.9/1

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 214.308+/-351.549 χ^2/NDF:1.9/1

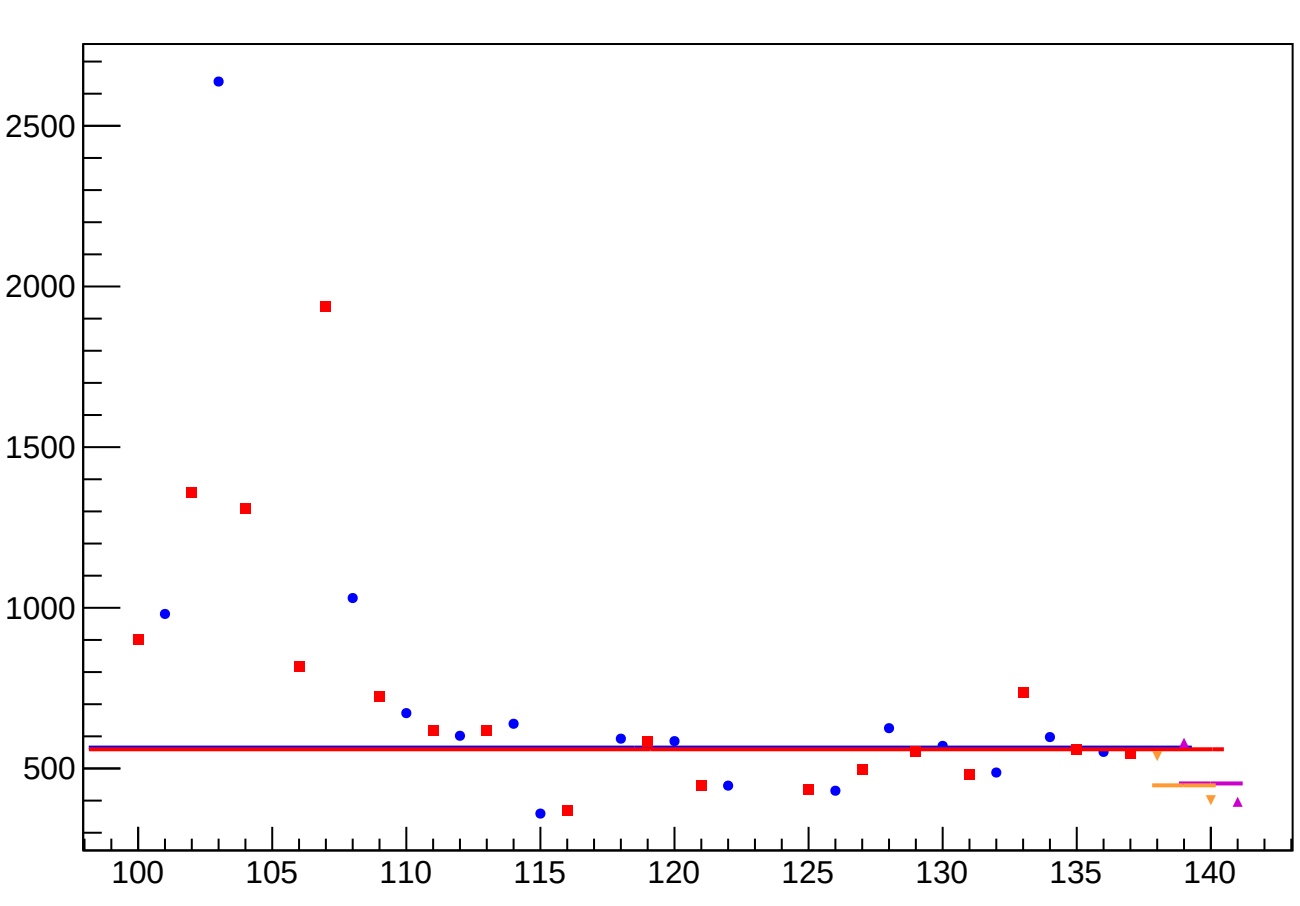
Left: -16.361+/-250.548 χ^2/NDF: 4.8/3

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -74.551+/-188.229 χ^2/NDF:28.1/17

Out: 240.131+/-189.493 χ^2/NDF:20.6/19

All: 81.737+/-133.543 χ^2/NDF: 50.1/37



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 447.507+/-0.253 χ^2/NDF:66062.5/1

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 453.383+/-0.249 χ^2/NDF:116935.3/1

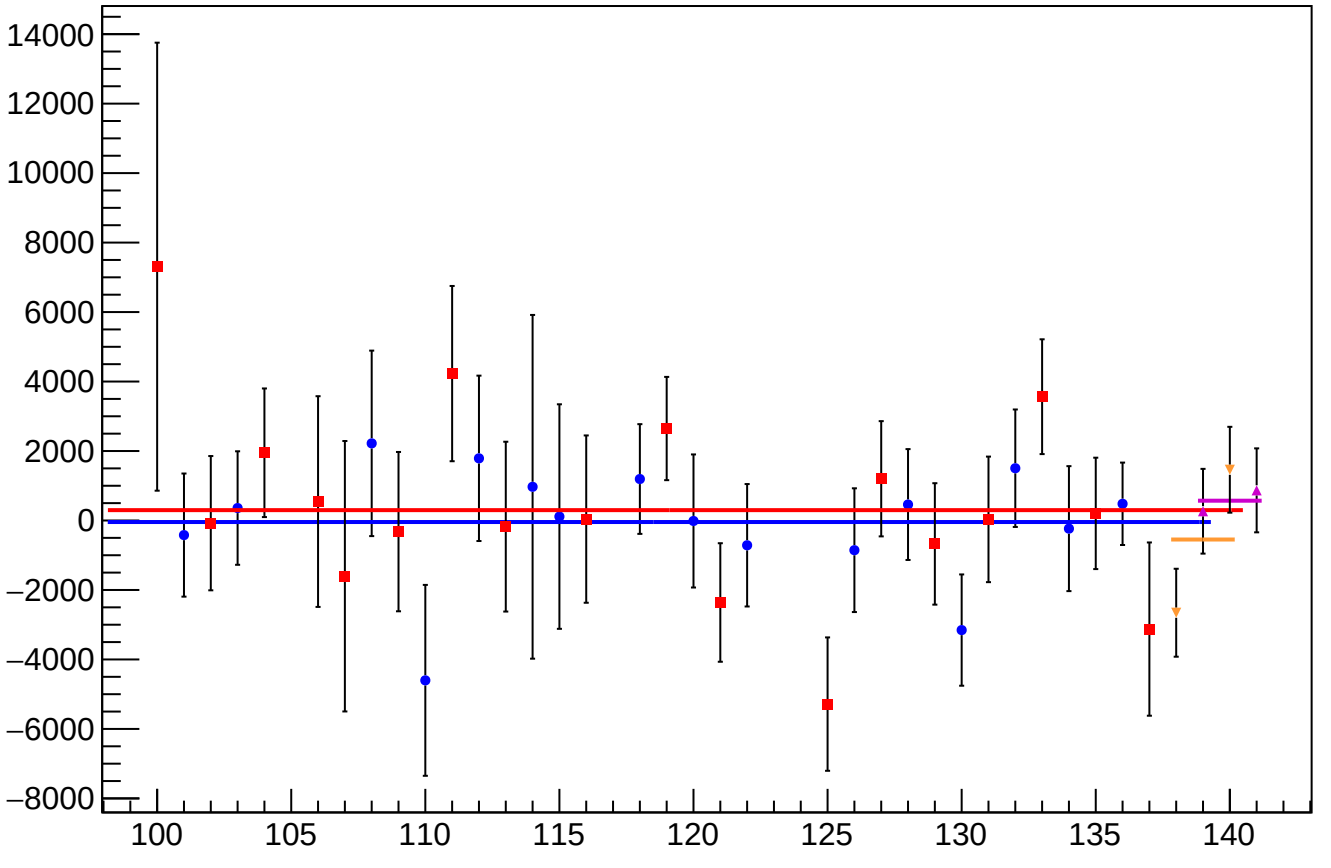
Left: 450.491+/-0.177 χ^2/NDF: 183272.8/3

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 532.969+/-0.133 χ^2/NDF:1545086.9/17

Out: 528.163+/-0.134 χ^2/NDF:1537357.8/19

All: 530.582+/-0.094 χ^2/NDF: 3083092.2/37



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -547.521+/-884.216 χ^2/NDF:5.4/1

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 569.851+/-858.507 χ^2/NDF:0.1/1

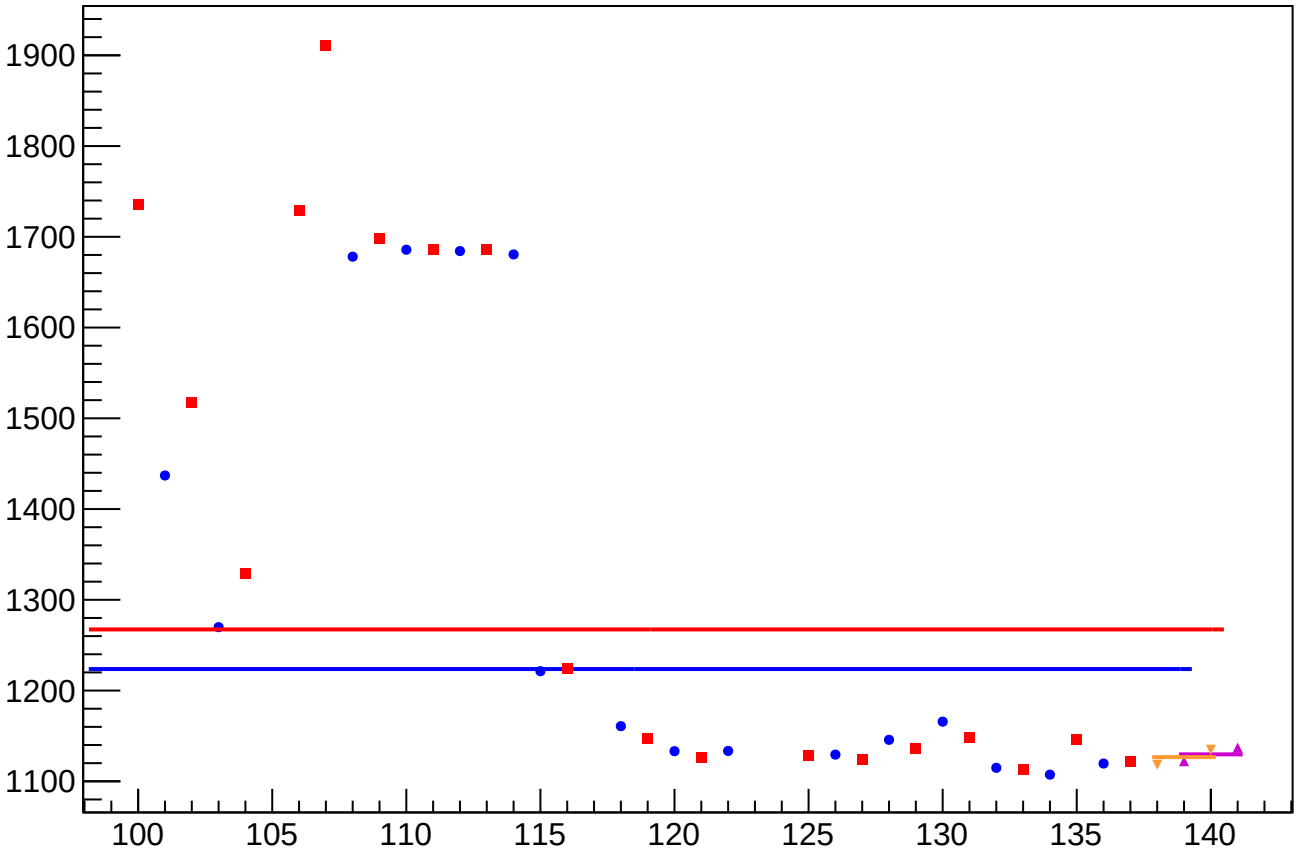
Left: 27.645+/-615.944 χ^2/NDF: 6.4/3

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 92.624+/-404.931 χ^2/NDF:10.6/17

Out: 108.609+/-418.659 χ^2/NDF:30.7/19

All: 100.350+/-291.062 χ^2/NDF: 41.4/37



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1126.693+/-0.625 χ^2/NDF:174.1/1

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1129.711+/-0.607 χ^2/NDF:150.4/1

Left: 1128.247+/-0.436 χ^2/NDF: 336.5/3

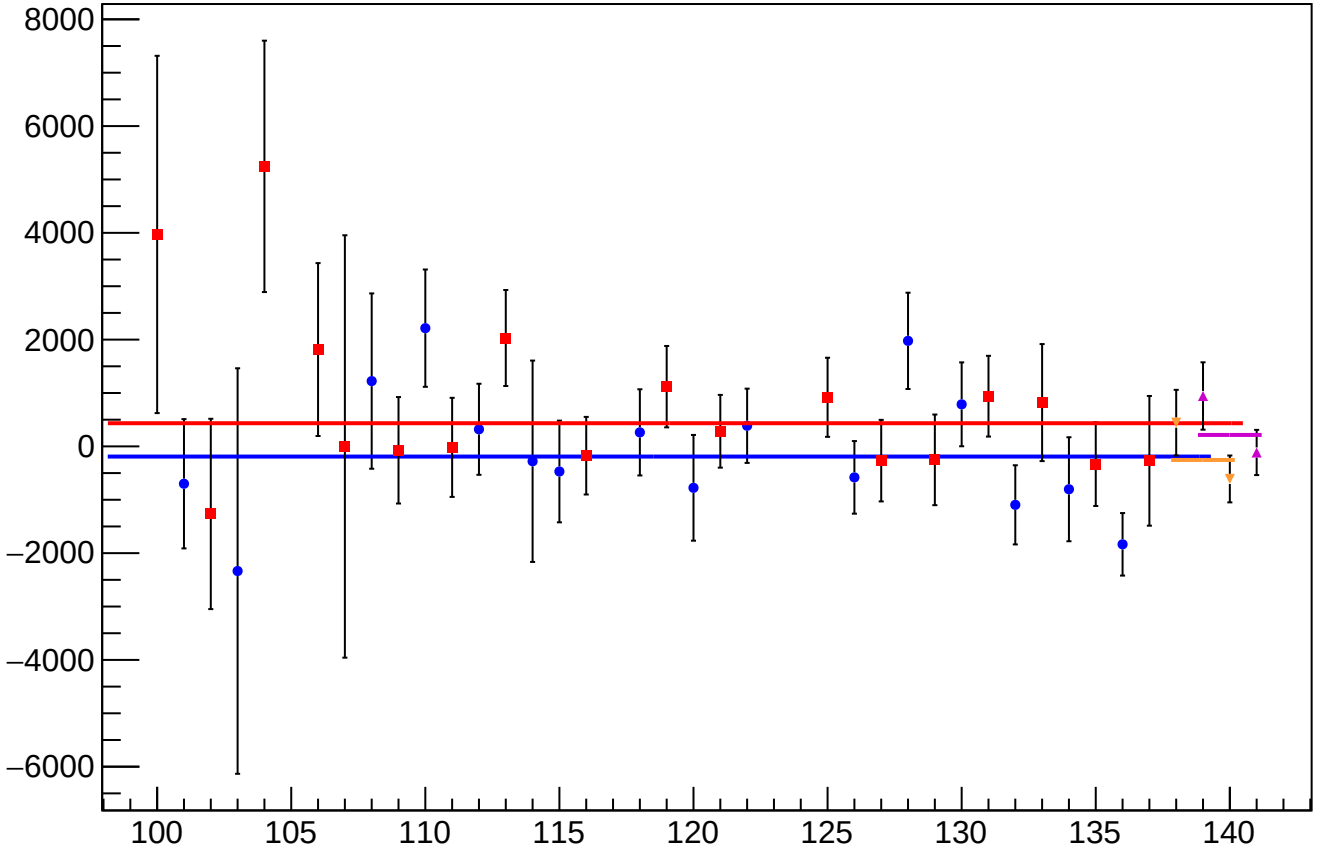
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1202.794+/-0.286 χ^2/NDF:313757.0/17

Out: 1235.827+/-0.296 χ^2/NDF:479427.7/19

All: 1218.760+/-0.206 χ^2/NDF: 799617.6/37

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -254.470+/-357.174 χ^2/NDF:1.9/1

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 214.308+/-351.549 χ^2/NDF:1.9/1

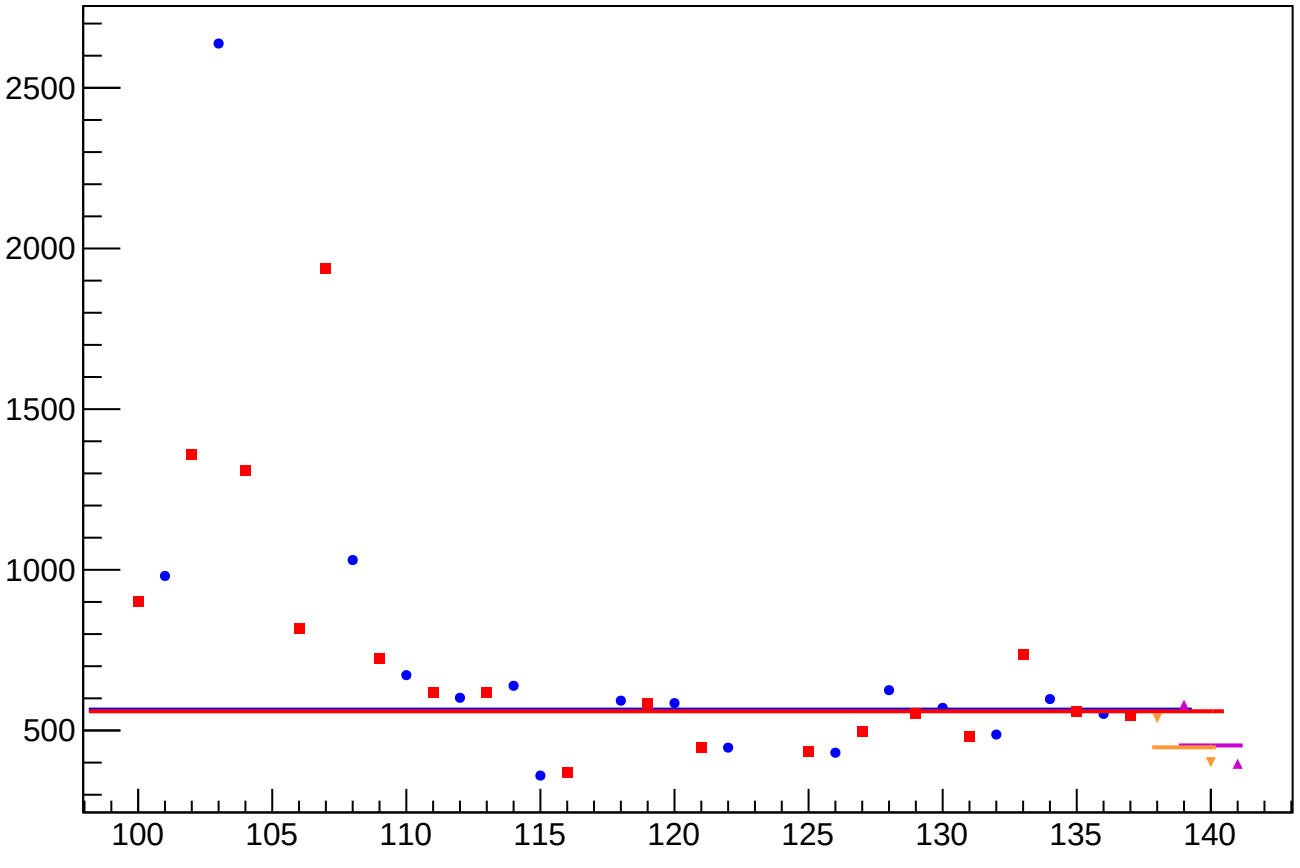
Left: -16.361+/-250.548 χ^2/NDF: 4.8/3

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -74.551+/-188.229 χ^2/NDF:28.1/17

Out: 240.131+/-189.493 χ^2/NDF:20.6/19

All: 81.737+/-133.543 χ^2/NDF: 50.1/37



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 447.507+/-0.253 χ^2/NDF:66062.5/1

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 453.383+/-0.249 χ^2/NDF:116935.3/1

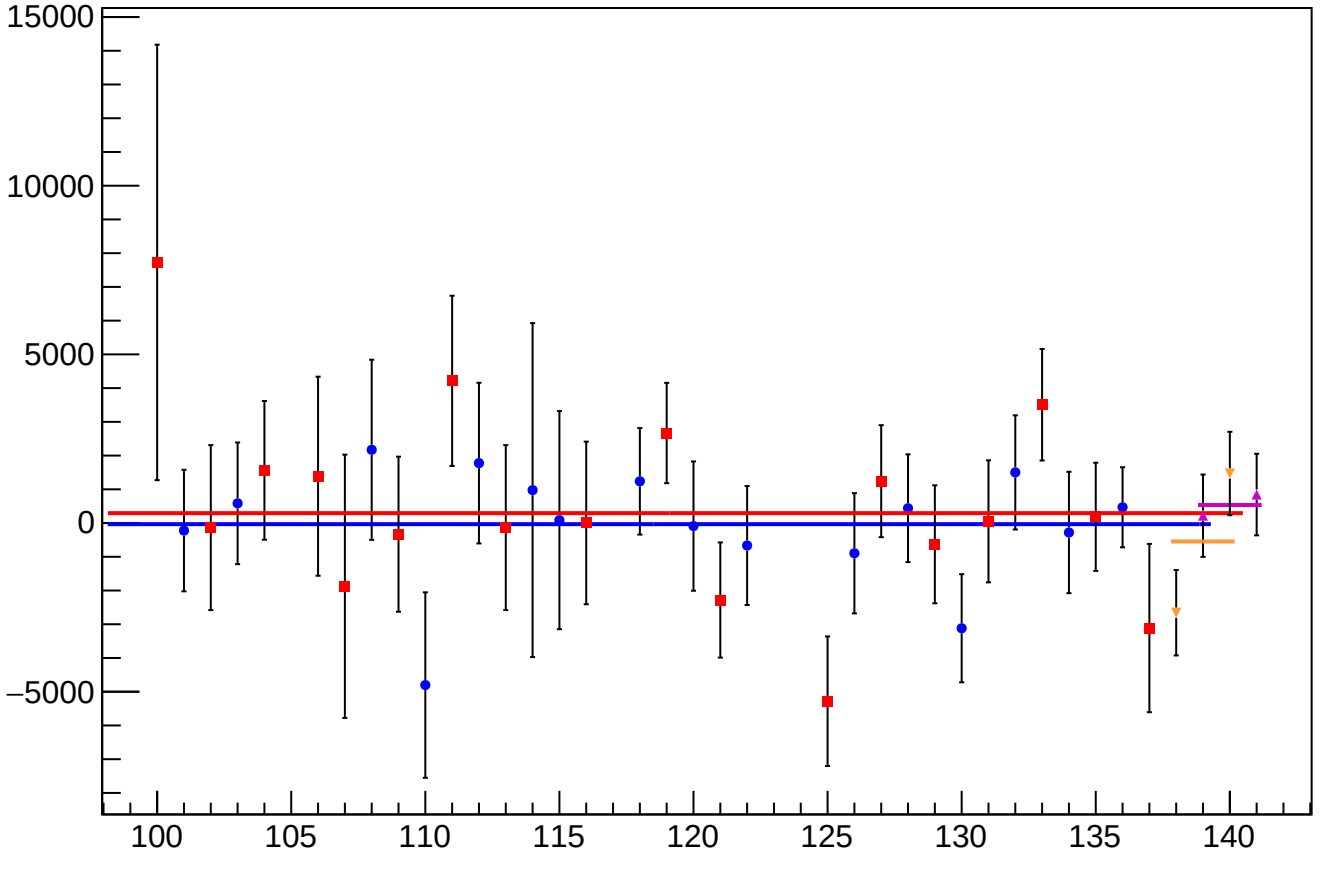
Left: 450.491+/-0.177 χ^2/NDF: 183272.8/3

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 532.969+/-0.133 χ^2/NDF:1545086.9/17

Out: 528.163+/-0.134 χ^2/NDF:1537357.8/19

All: 530.582+/-0.094 χ^2/NDF: 3083092.2/37



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -545.429+/-884.669 χ^2/NDF:5.4/1

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 534.506+/-858.886 χ^2/NDF:0.1/1

Left: 10.504+/-616.238 χ^2/NDF: 6.3/3

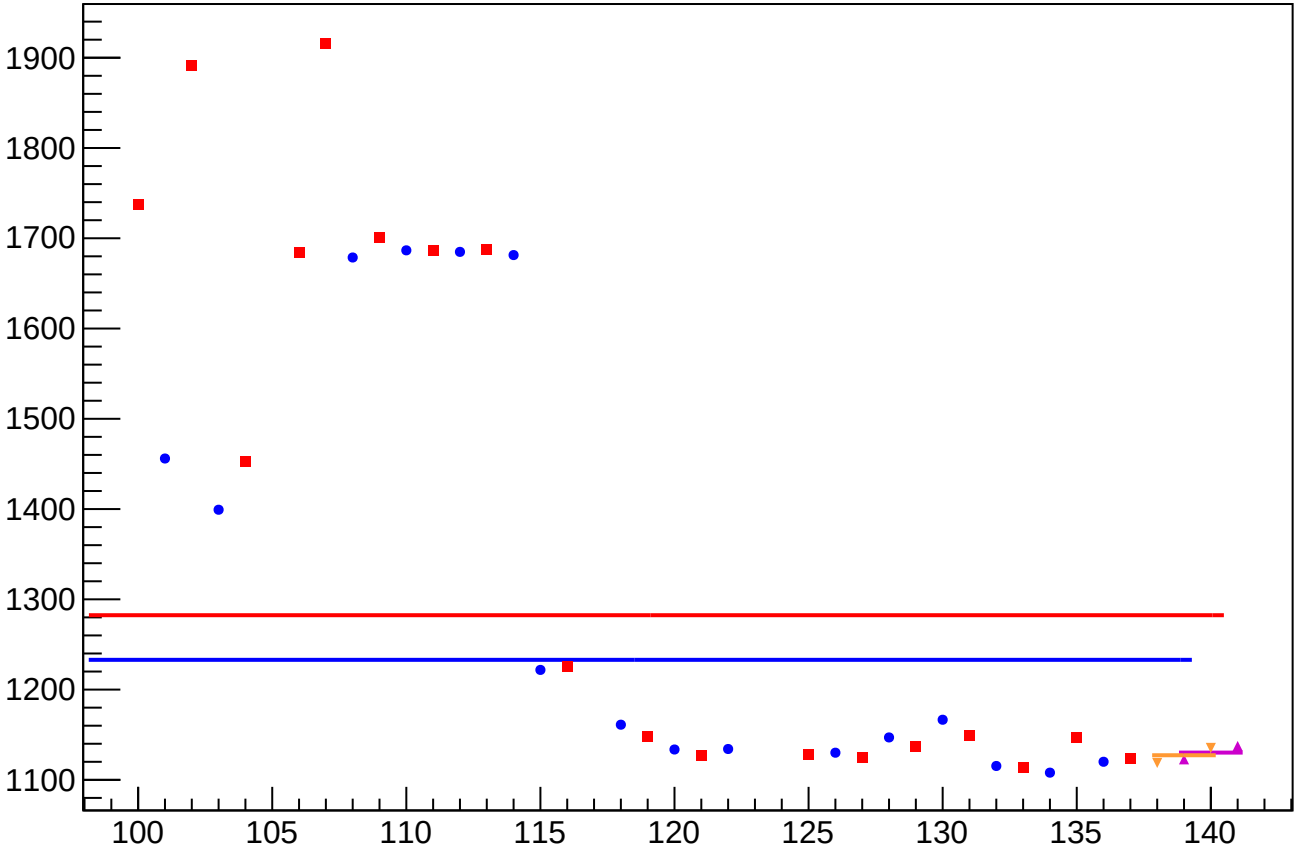
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 94.826+/-407.702 χ^2/NDF:10.7/17

Out: 100.252+/-424.498 χ^2/NDF:30.4/19

All: 97.430+/-294.047 χ^2/NDF: 41.1/37

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1127.270+/-0.626 χ^2/NDF:177.1/1

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1130.209+/-0.607 χ^2/NDF:148.4/1

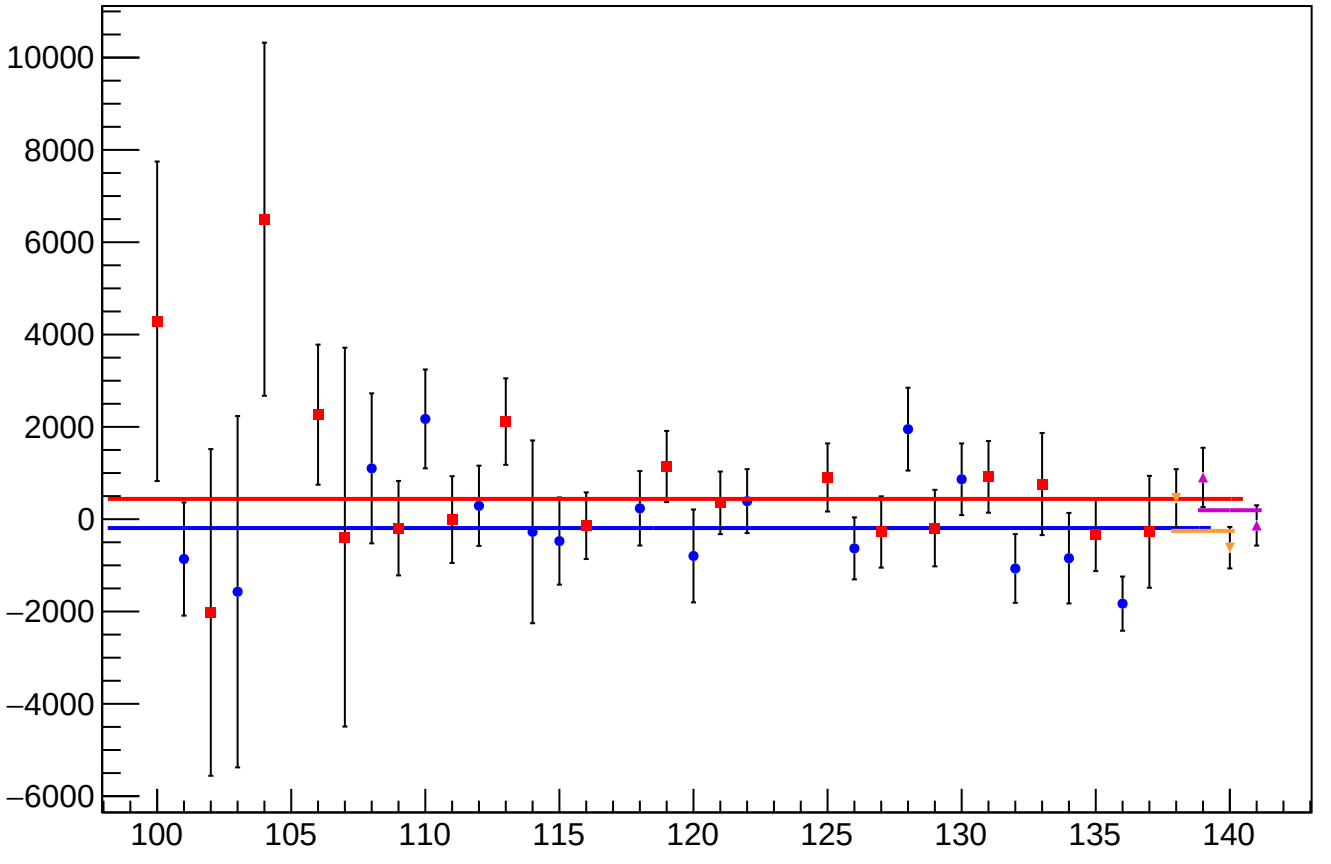
Left: 1128.783+/-0.436 χ^2/NDF: 336.9/3

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1209.811+/-0.288 χ^2/NDF:337795.6/17

Out: 1246.688+/-0.300 χ^2/NDF:590923.1/19

All: 1227.505+/-0.208 χ^2/NDF: 936569.7/37



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -252.799+/-365.575 χ^2/NDF:1.9/1

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 194.194+/-360.728 χ^2/NDF:1.8/1

Left: -26.320+/-256.770 χ^2/NDF: 4.5/3

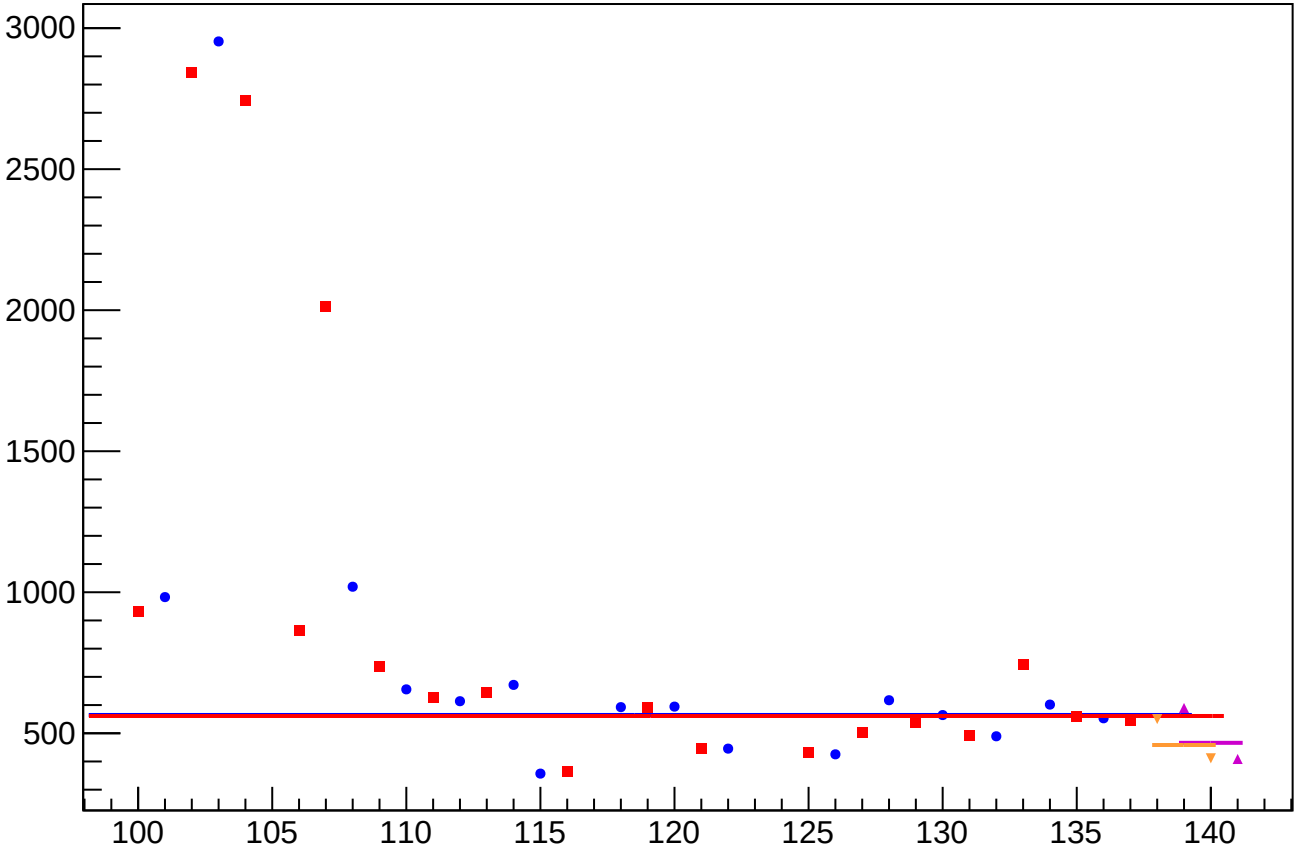
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -85.040+/-189.536 χ^2/NDF:27.9/17

Out: 247.421+/-192.601 χ^2/NDF:19.2/19

All: 78.523+/-135.093 χ^2/NDF: 48.6/37

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 458.414+/-0.259 χ^2/NDF:64956.1/1

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 466.107+/-0.255 χ^2/NDF:108589.6/1

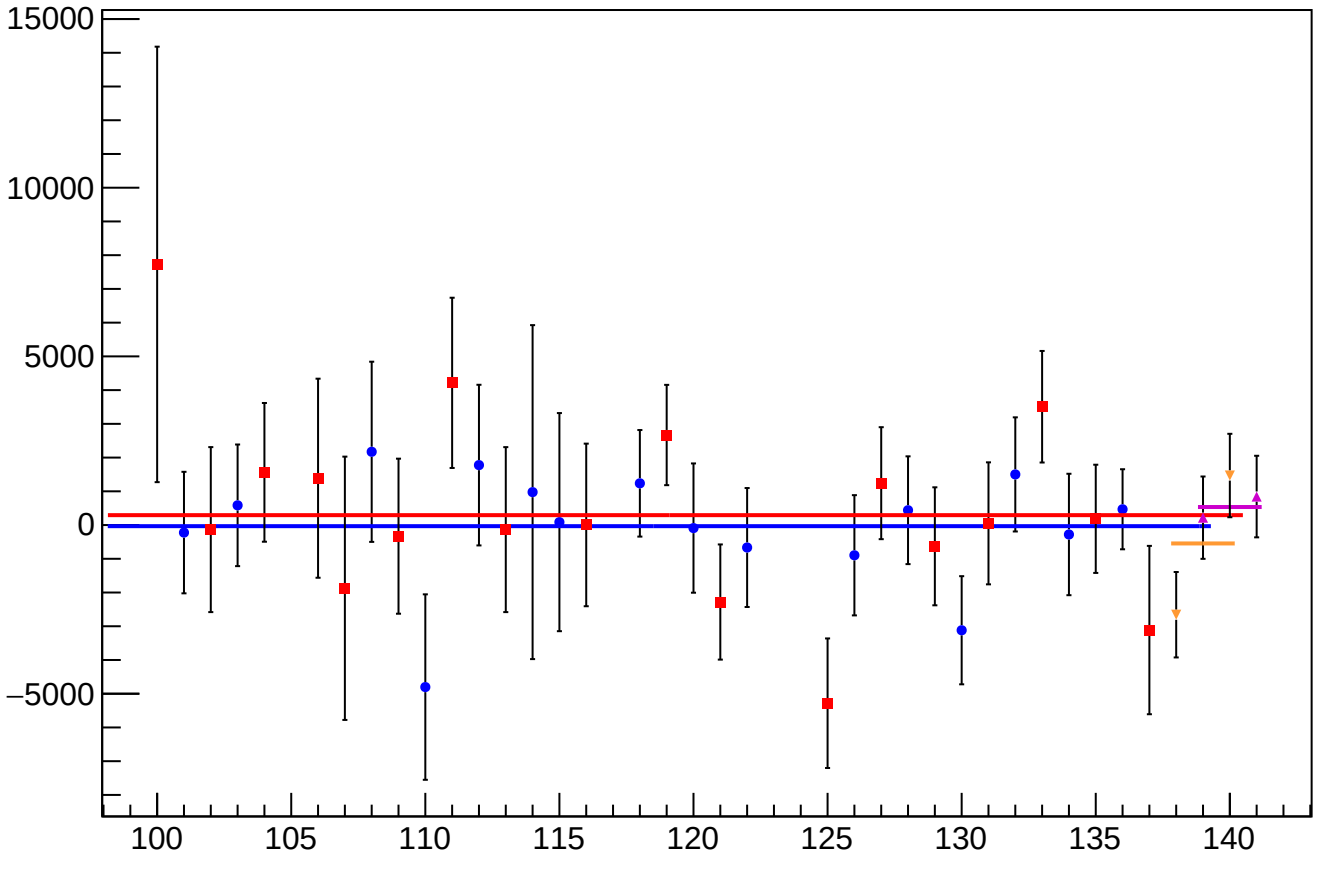
Left: 462.312+/-0.182 χ^2/NDF: 173994.4/3

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 537.605+/-0.134 χ^2/NDF:1697497.2/17

Out: 532.723+/-0.136 χ^2/NDF:2452709.5/19

All: 535.203+/-0.096 χ^2/NDF: 4150859.5/37



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -545.427+/-884.669 χ^2/NDF:5.4/1

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 534.508+/-858.886 χ^2/NDF:0.1/1

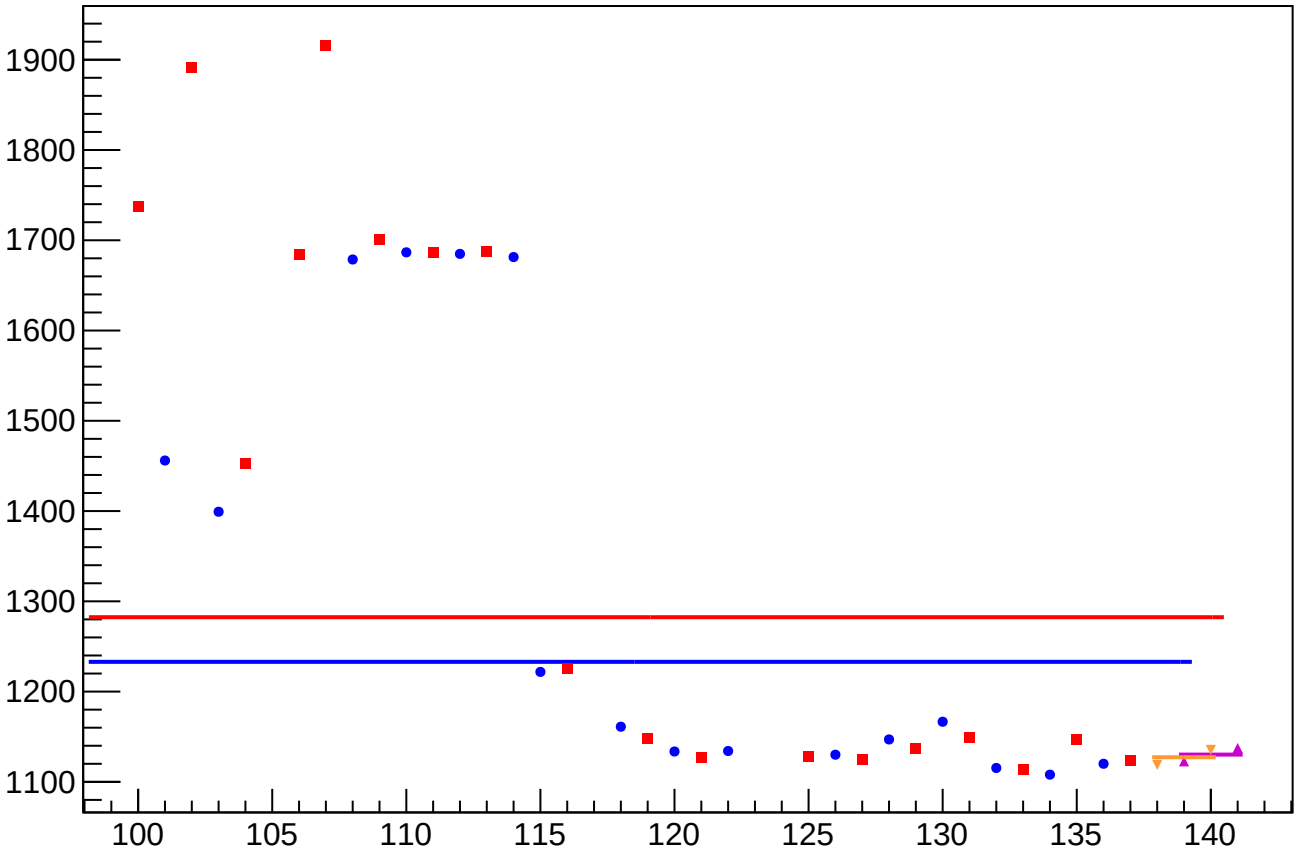
Left: 10.506+/-616.238 χ^2/NDF: 6.3/3

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 94.827+/-407.702 χ^2/NDF:10.7/17

Out: 100.252+/-424.498 χ^2/NDF:30.4/19

All: 97.430+/-294.047 χ^2/NDF: 41.1/37



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1127.270+/-0.626 χ^2/NDF:177.1/1

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1130.209+/-0.607 χ^2/NDF:148.4/1

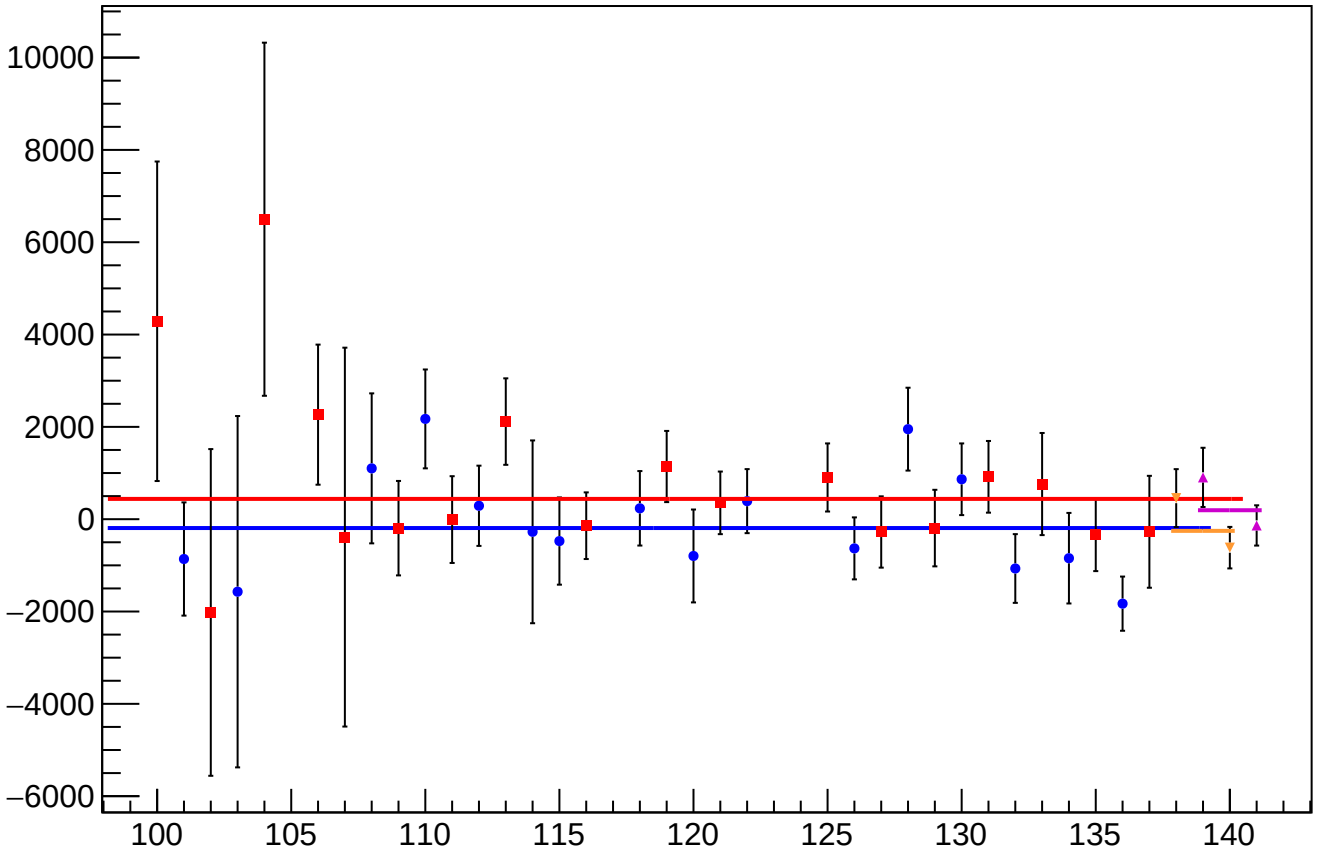
Left: 1128.783+/-0.436 χ^2/NDF: 336.9/3

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1209.811+/-0.288 χ^2/NDF:337795.2/17

Out: 1246.687+/-0.300 χ^2/NDF:590922.5/19

All: 1227.505+/-0.208 χ^2/NDF: 936568.7/37



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -252.799+/-365.575 χ^2/NDF:1.9/1

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 194.192+/-360.727 χ^2/NDF:1.8/1

Left: -26.321+/-256.769 χ^2/NDF: 4.5/3

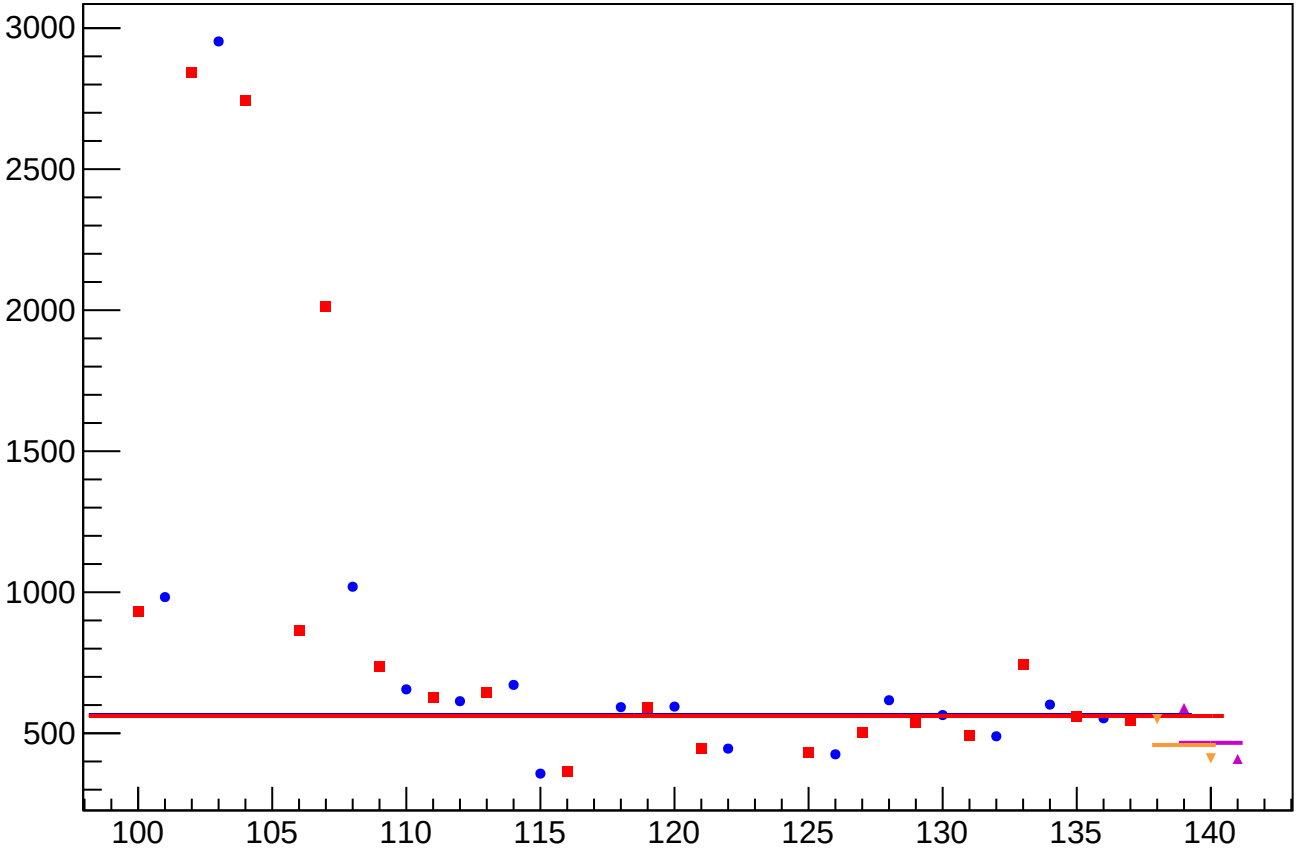
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -85.041+/-189.536 χ^2/NDF:27.9/17

Out: 247.421+/-192.601 χ^2/NDF:19.2/19

All: 78.523+/-135.093 χ^2/NDF: 48.6/37

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 458.414+/-0.259 χ^2/NDF:64958.6/1

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 466.107+/-0.255 χ^2/NDF:108593.0/1

Left: 462.312+/-0.182 χ^2/NDF: 174000.4/3

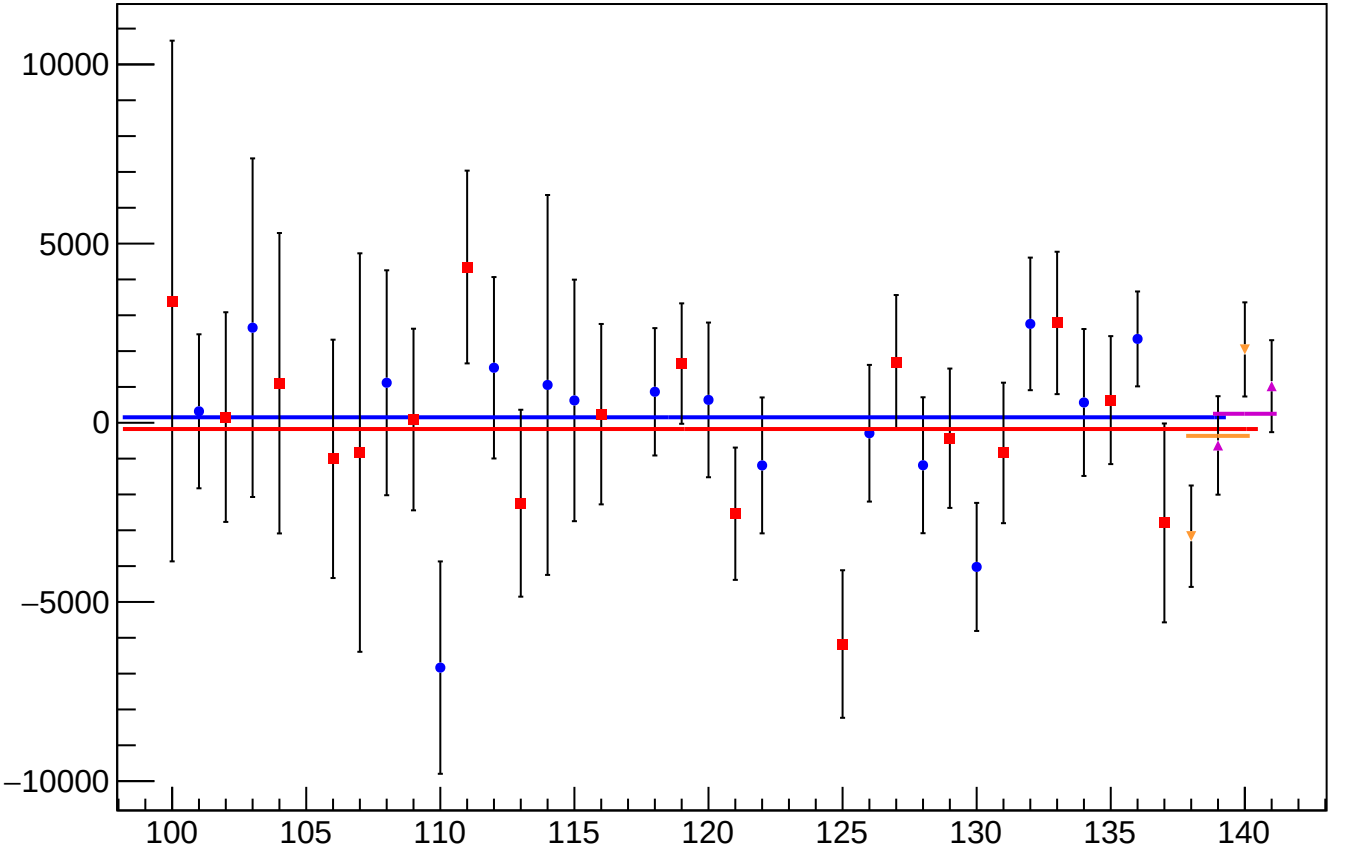
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 537.605+/-0.134 χ^2/NDF:1697498.9/17

Out: 532.723+/-0.136 χ^2/NDF:2452713.4/19

All: 535.203+/-0.096 χ^2/NDF: 4150865.0/37

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: -365.789+/-962.740 χ^2/NDF:7.3/1

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: 251.176+/-937.829 χ^2/NDF:0.8/1

Left: -49.222+/-671.779 χ^2/NDF: 8.3/3

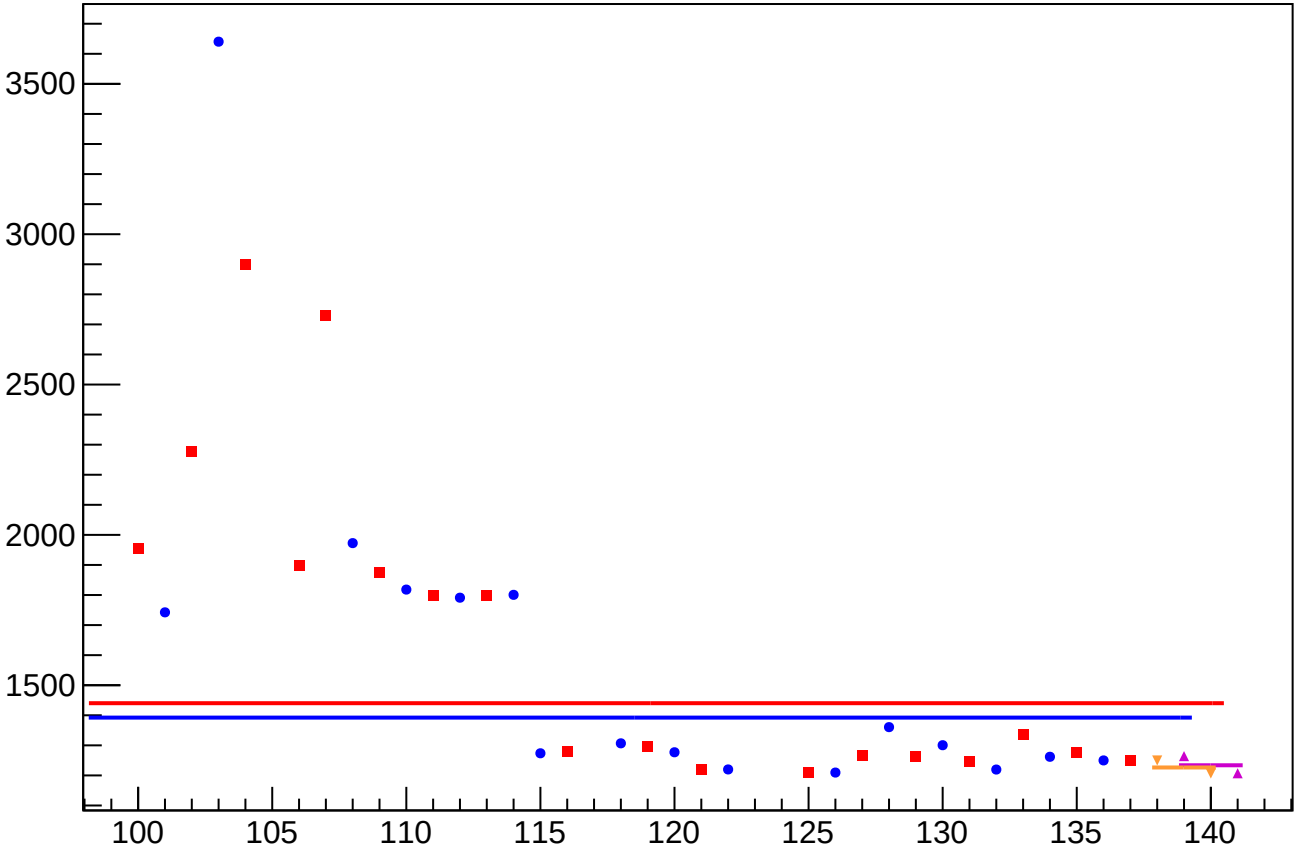
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 177.191+/-462.796 χ^2/NDF:18.5/17

Out: -221.452+/-477.663 χ^2/NDF:27.0/19

All: -15.830+/-332.378 χ^2/NDF: 45.9/37

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1226.419+/-0.681 χ^2/NDF:1010.9/1

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1233.752+/-0.663 χ^2/NDF:1840.1/1

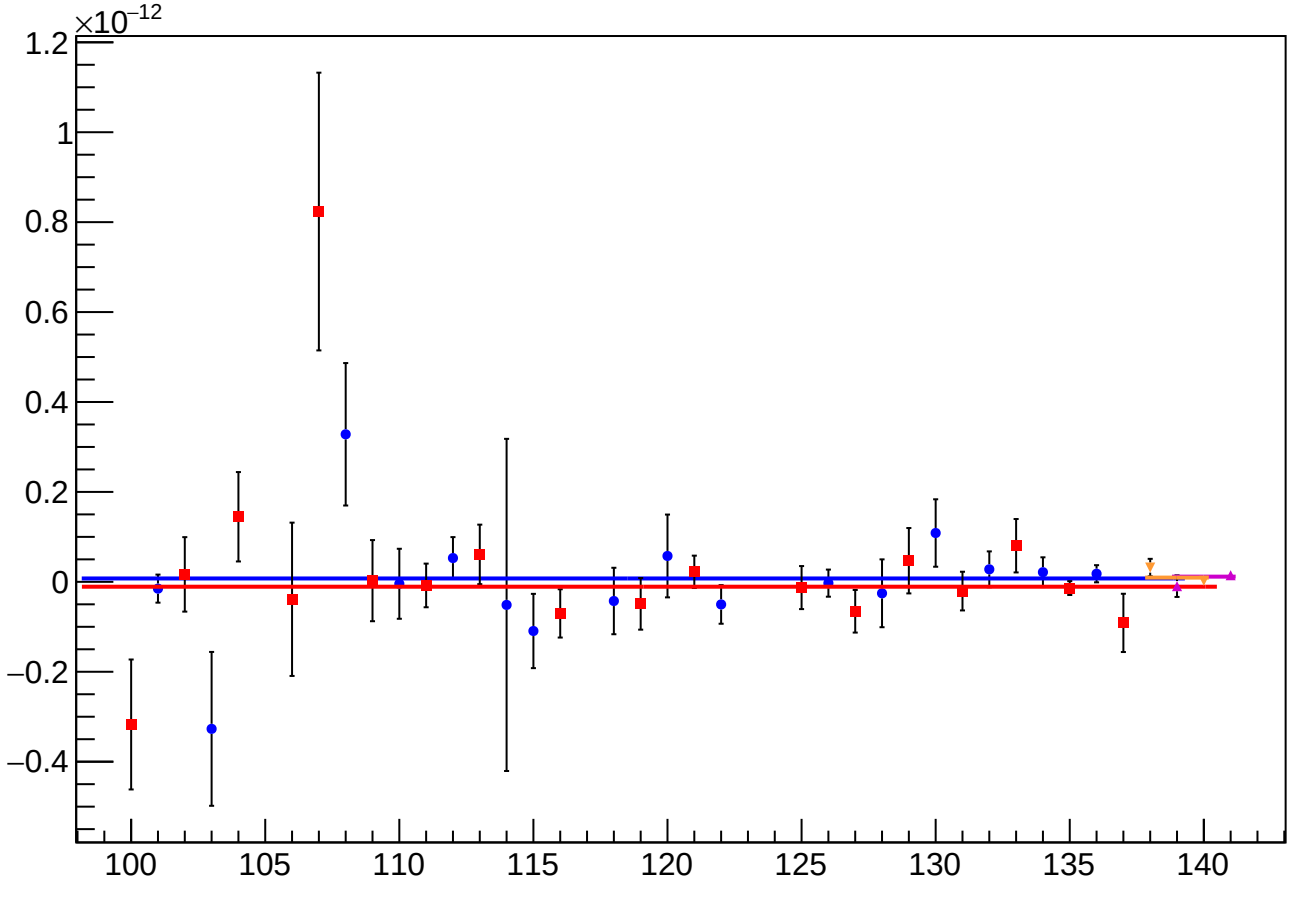
Left: 1230.181+/-0.475 χ^2/NDF: 2910.5/3

Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1353.690+/-0.327 χ^2/NDF:824322.0/17

Out: 1387.591+/-0.338 χ^2/NDF:930252.9/19

All: 1370.105+/-0.235 χ^2/NDF: 1759771.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

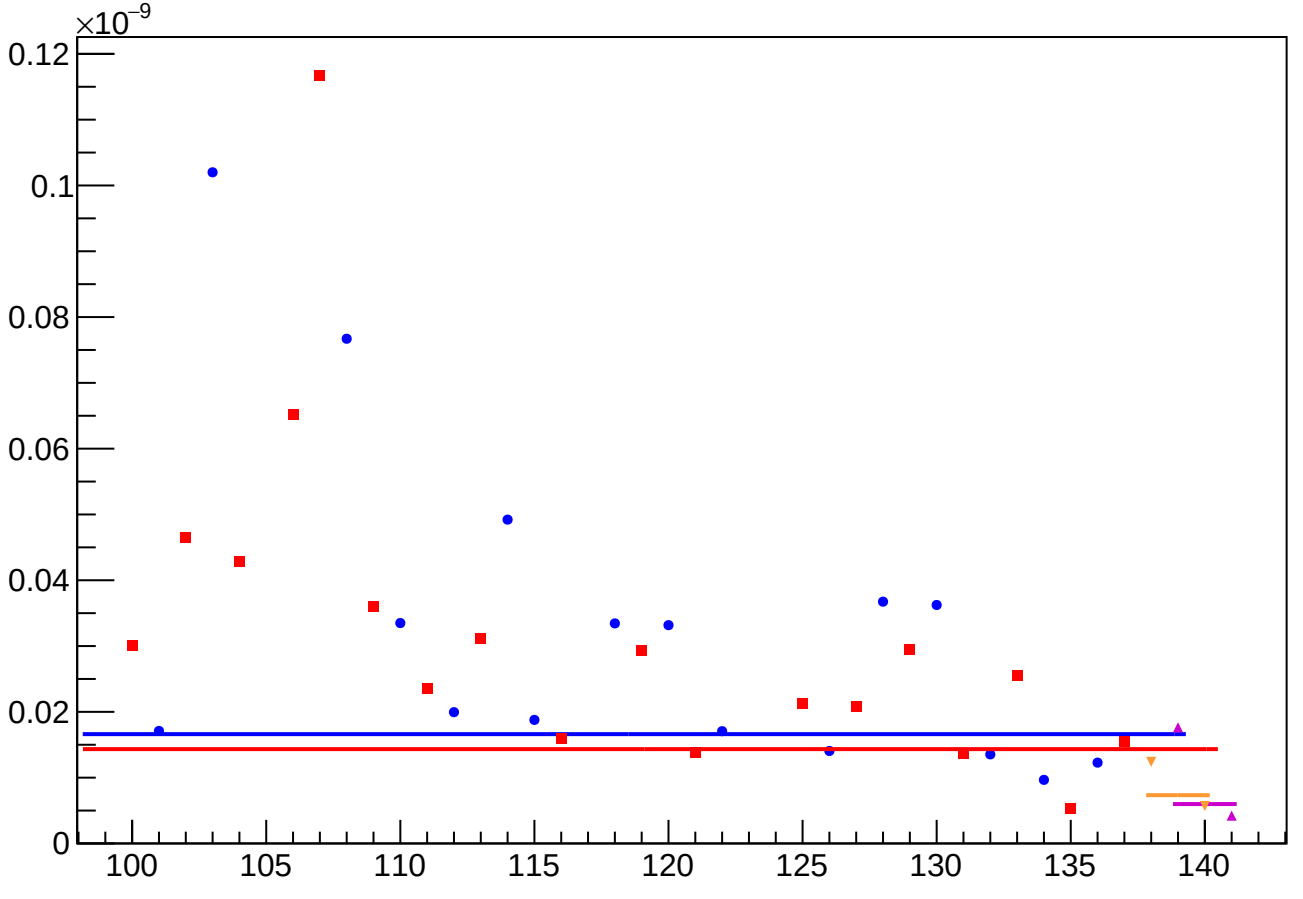
Left: 0.000+/-0.000 χ^2/NDF: 2.7/3

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:17.8/17

Out: 0.000+/-0.000 χ^2/NDF:27.8/19

All: 0.000+/-0.000 χ^2/NDF: 46.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:179548.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:542968.9/1

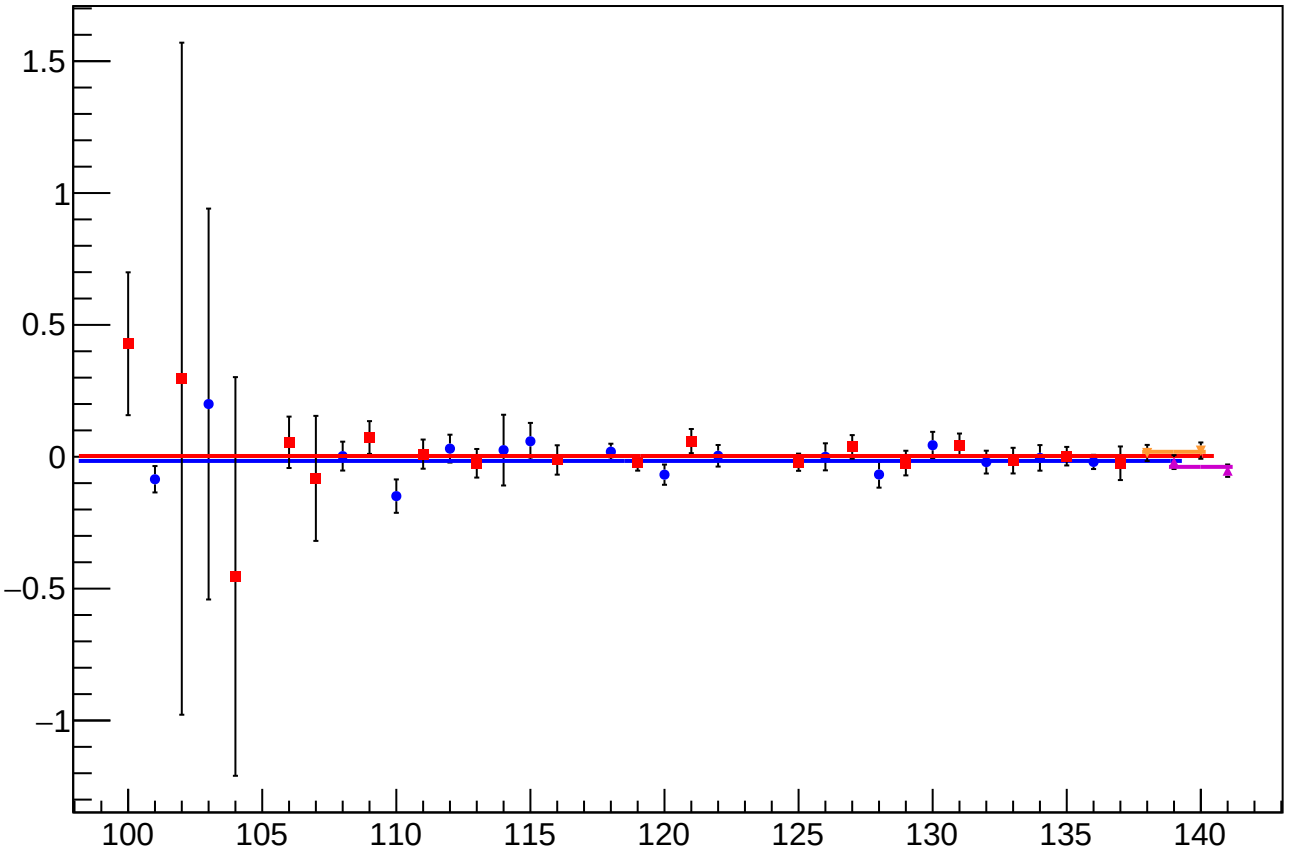
Left: 0.000+/-0.000 χ^2/NDF: 744234.7/3

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3281545.3/17

Out: 0.000+/-0.000 χ^2/NDF:2915083.2/19

All: 0.000+/-0.000 χ^2/NDF: 6199411.1/37



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.019+/-0.022 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.038+/-0.018 χ^2/NDF:0.9/1

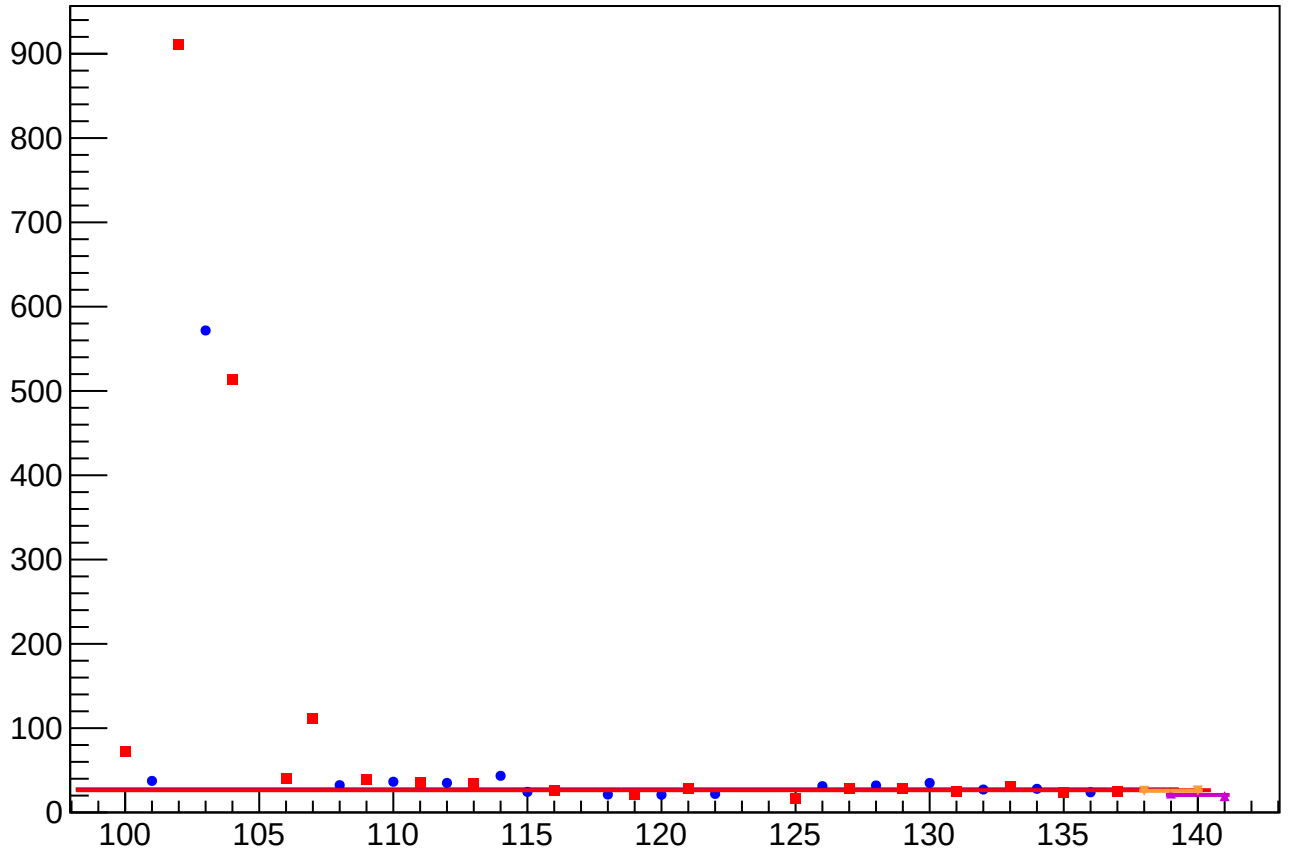
Left: -0.016+/-0.014 χ^2/NDF: 5.1/3

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.023+/-0.010 χ^2/NDF:16.6/17

Out: 0.007+/-0.011 χ^2/NDF:10.3/19

All: -0.009+/-0.007 χ^2/NDF: 31.1/37



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 25.805+/-0.015 χ^2/NDF:192.2/1

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.759+/-0.012 χ^2/NDF:15533.9/1

Left: 22.744+/-0.010 χ^2/NDF: 81045.2/3

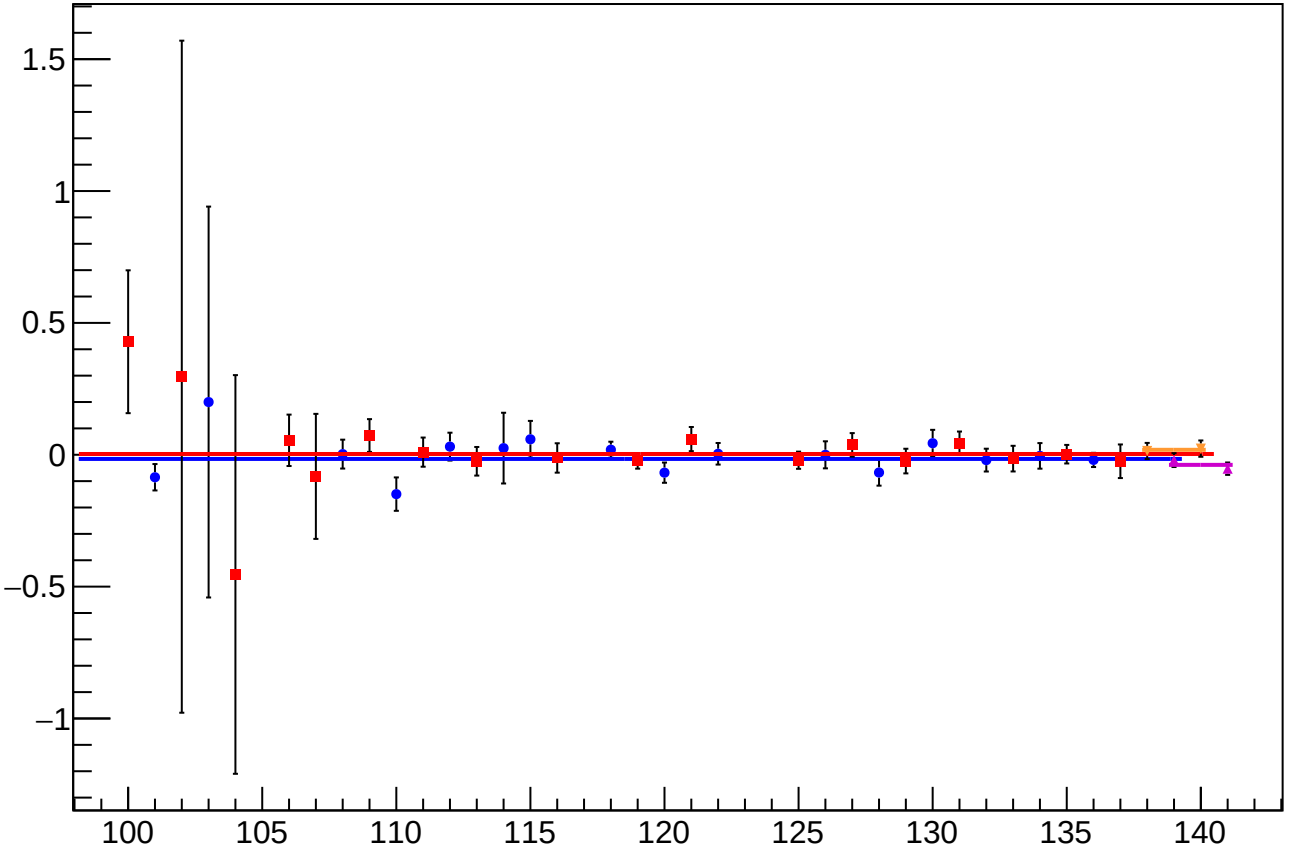
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 25.319+/-0.007 χ^2/NDF:1778514.1/17

Out: 26.261+/-0.007 χ^2/NDF:2616029.2/19

All: 25.749+/-0.005 χ^2/NDF: 4403258.3/37

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.019+/-0.022 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.038+/-0.018 χ^2/NDF:0.9/1

Left: -0.016+/-0.014 χ^2/NDF: 5.1/3

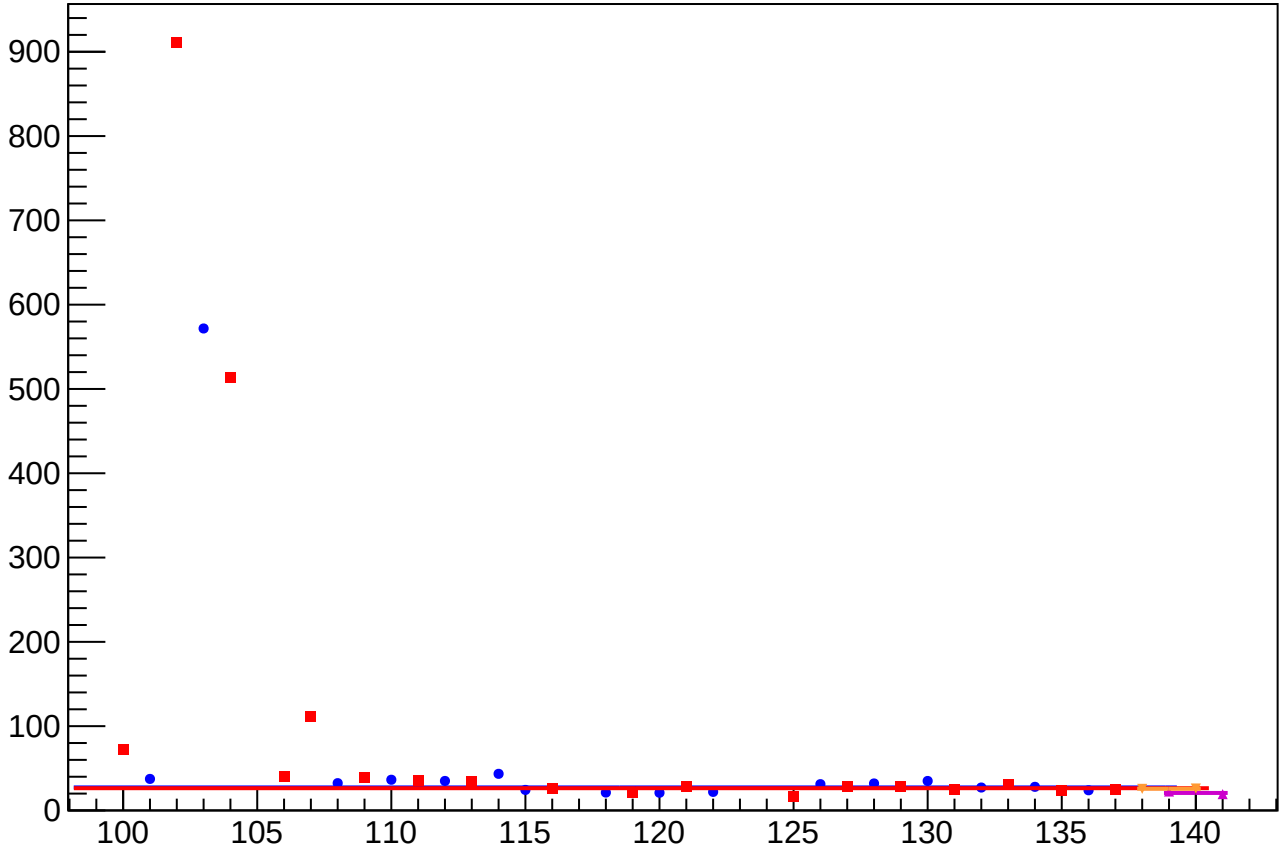
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.023+/-0.010 χ^2/NDF:16.6/17

Out: 0.007+/-0.011 χ^2/NDF:10.3/19

All: -0.009+/-0.007 χ^2/NDF: 31.1/37

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 25.805+/-0.015 χ^2/NDF:192.2/1

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.759+/-0.012 χ^2/NDF:15533.9/1

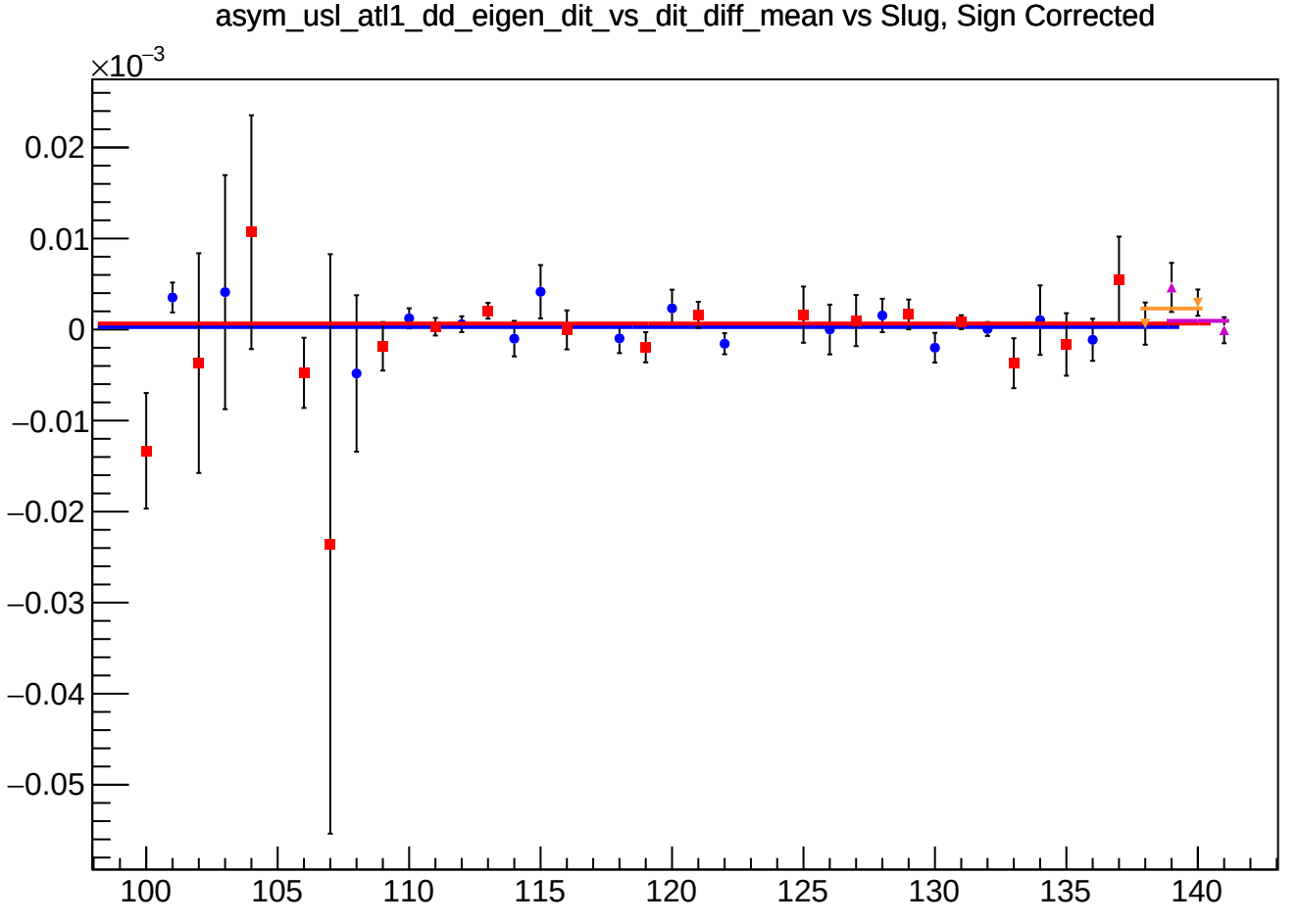
Left: 22.744+/-0.010 χ^2/NDF: 81045.2/3

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 25.319+/-0.007 χ^2/NDF:1778514.1/17

Out: 26.261+/-0.007 χ^2/NDF:2616029.2/19

All: 25.749+/-0.005 χ^2/NDF: 4403258.3/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2.4/1

Left: 0.000+/-0.000 χ^2/NDF: 3.7/3

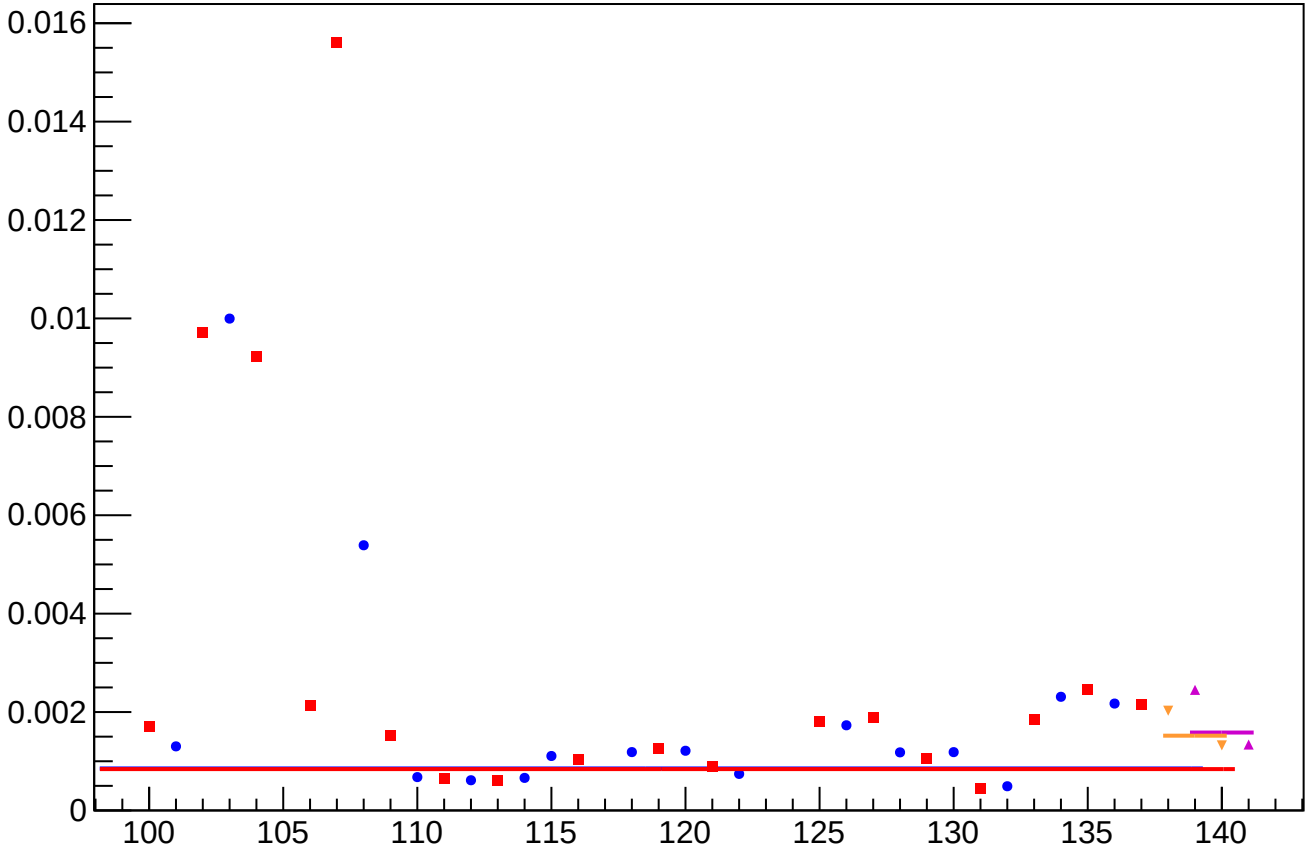
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:17.1/17

Out: 0.000+/-0.000 χ^2/NDF:21.6/19

All: 0.000+/-0.000 χ^2/NDF: 39.6/37

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:133131.7/1

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:265008.5/1

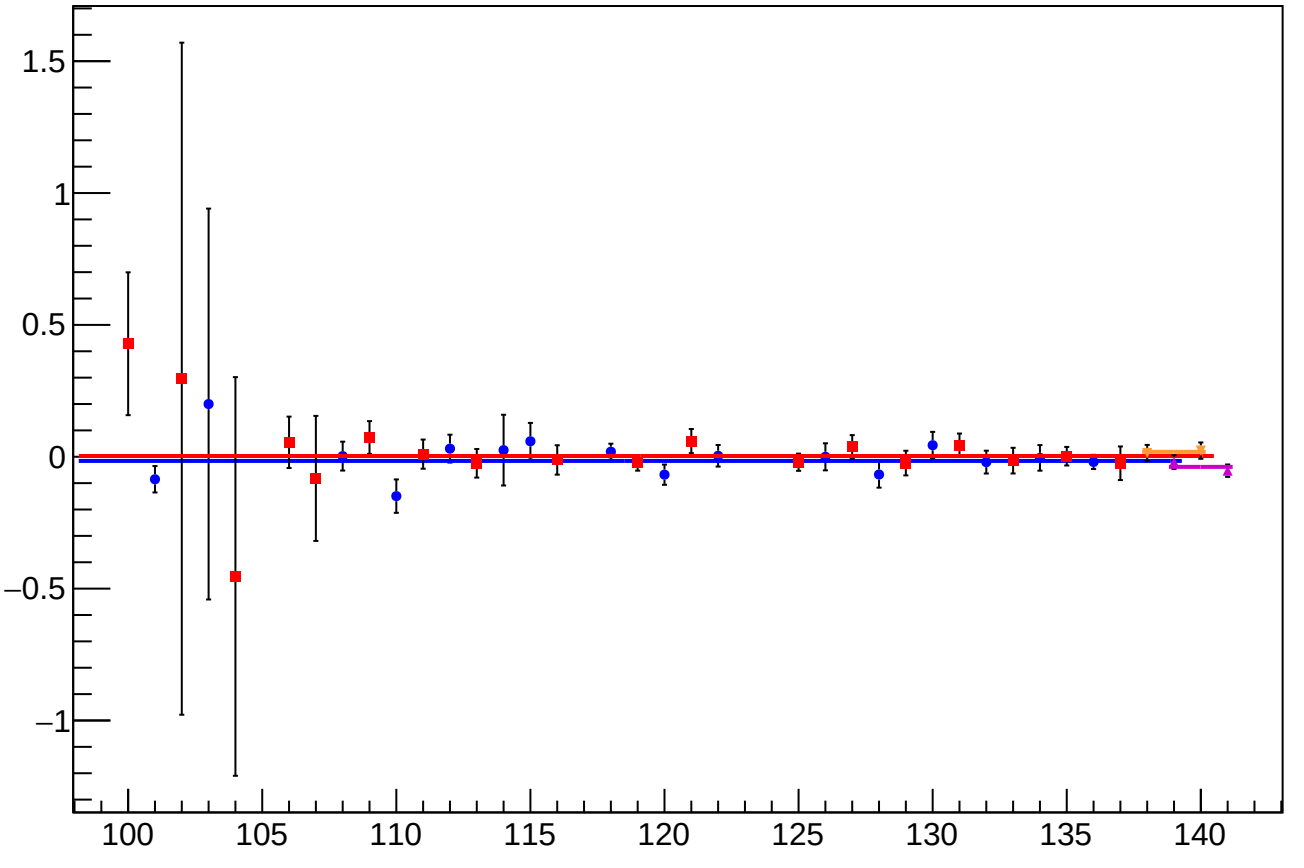
Left: 0.002+/-0.000 χ^2/NDF: 400772.5/3

Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:4742713.4/17

Out: 0.001+/-0.000 χ^2/NDF:5726808.0/19

All: 0.001+/-0.000 χ^2/NDF: 10469904.2/37



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.019+/-0.022 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.038+/-0.018 χ^2/NDF:0.9/1

Left: -0.016+/-0.014 χ^2/NDF: 5.1/3

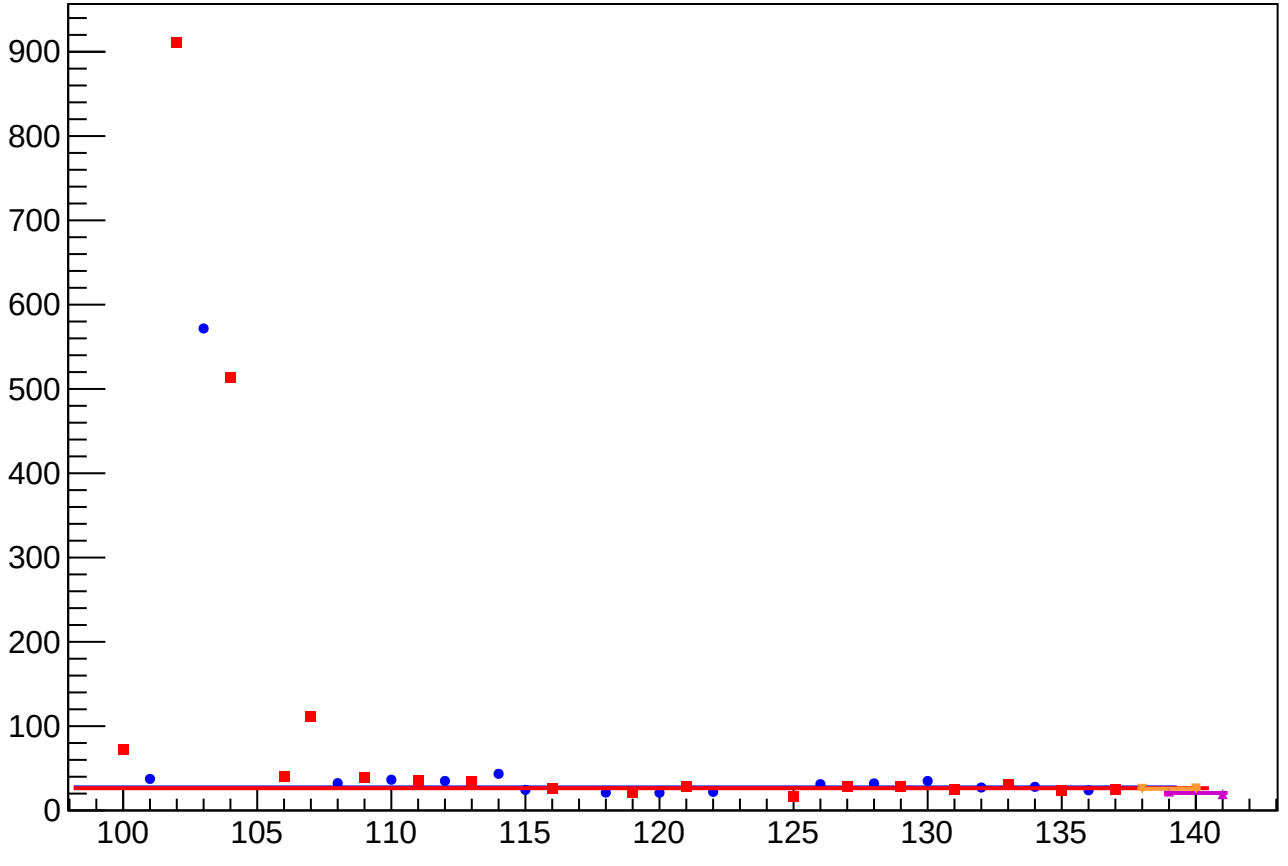
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.023+/-0.010 χ^2/NDF:16.6/17

Out: 0.007+/-0.011 χ^2/NDF:10.3/19

All: -0.009+/-0.007 χ^2/NDF: 31.1/37

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.805+/-0.015 χ^2/NDF:191.6/1

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.758+/-0.012 χ^2/NDF:15547.1/1

Left: 22.743+/-0.010 χ^2/NDF: 81064.2/3

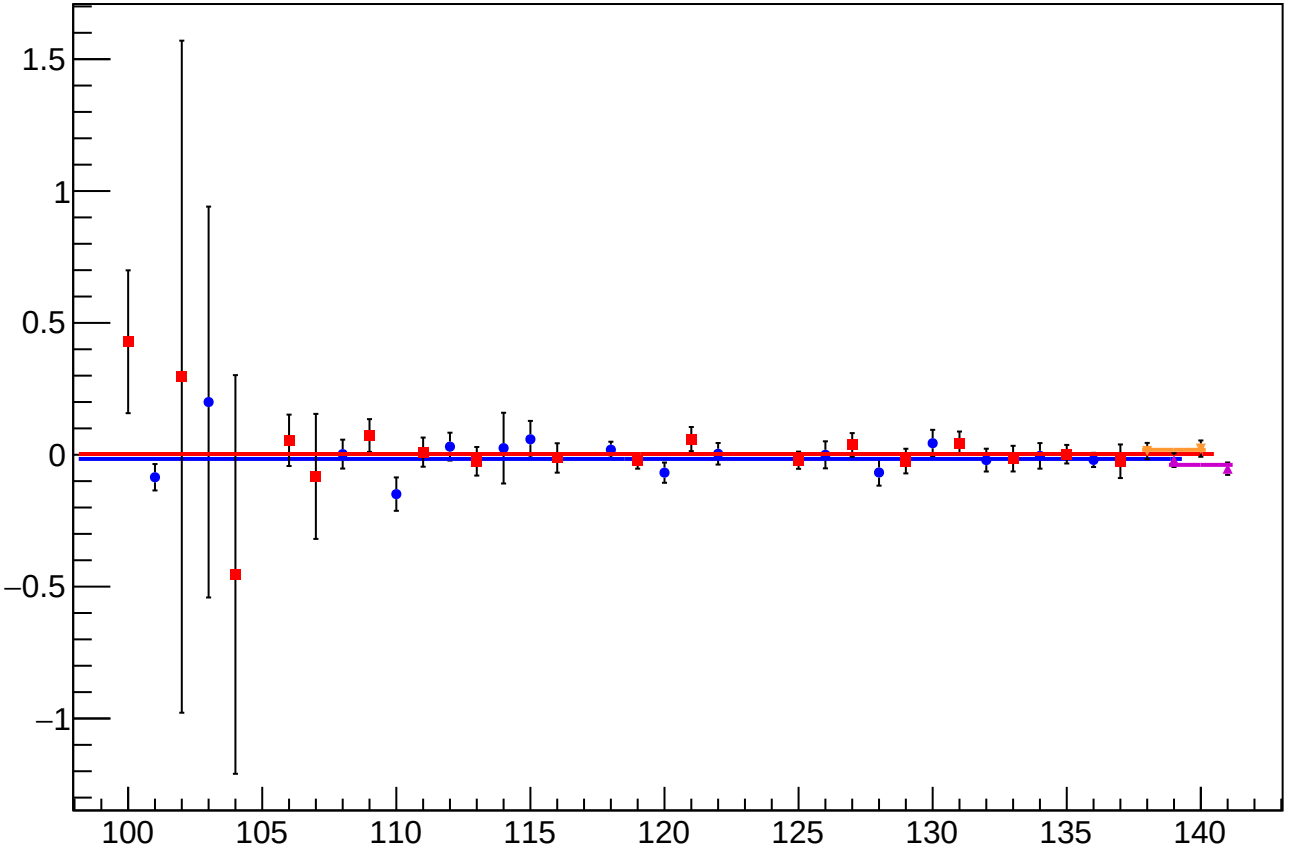
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 25.318+/-0.007 χ^2/NDF:1778536.8/17

Out: 26.261+/-0.007 χ^2/NDF:2616047.4/19

All: 25.749+/-0.005 χ^2/NDF: 4403300.7/37

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.019+/-0.022 χ^2/NDF:0.0/1

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.038+/-0.018 χ^2/NDF:0.9/1

Left: -0.016+/-0.014 χ^2/NDF: 5.1/3

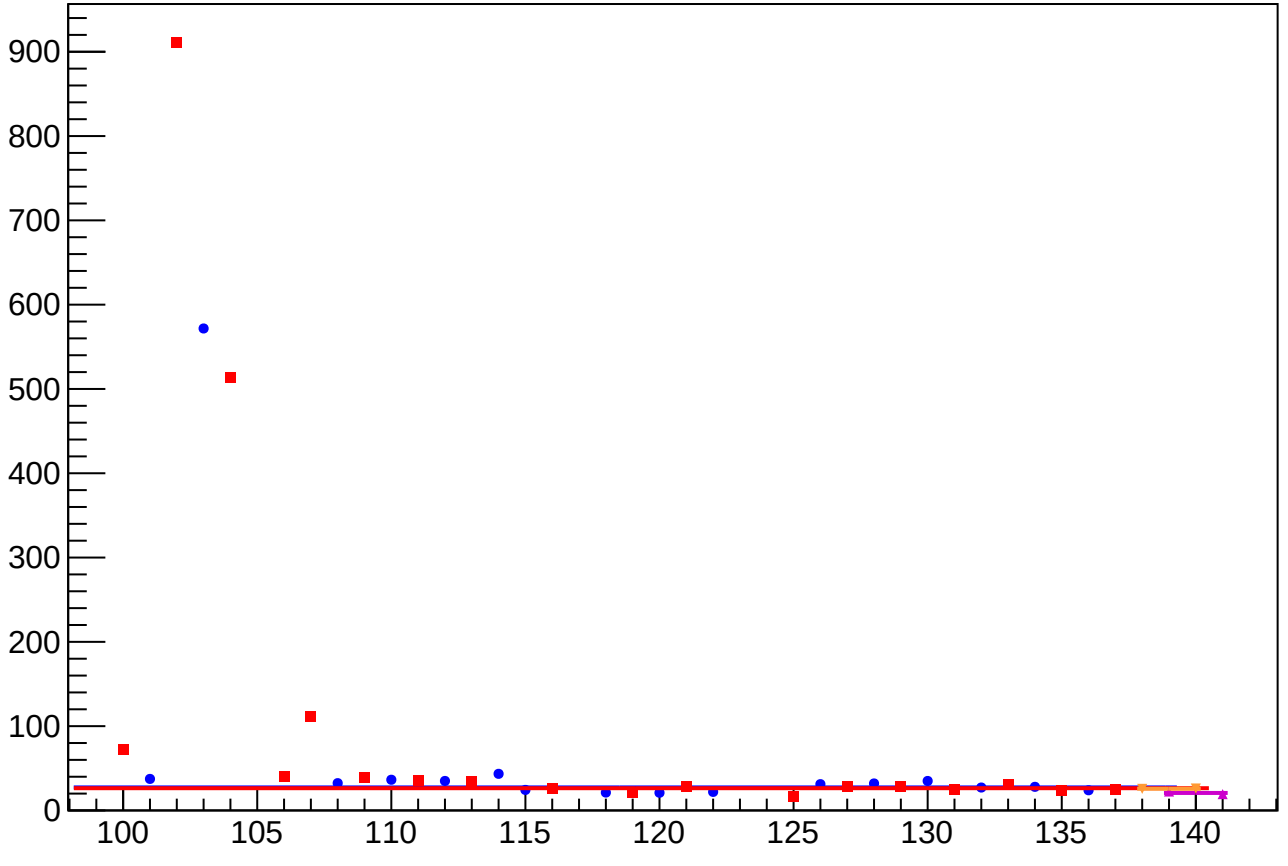
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.023+/-0.010 χ^2/NDF:16.6/17

Out: 0.007+/-0.011 χ^2/NDF:10.3/19

All: -0.009+/-0.007 χ^2/NDF: 31.1/37

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.805+/-0.015 χ^2/NDF:191.6/1

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.758+/-0.012 χ^2/NDF:15547.1/1

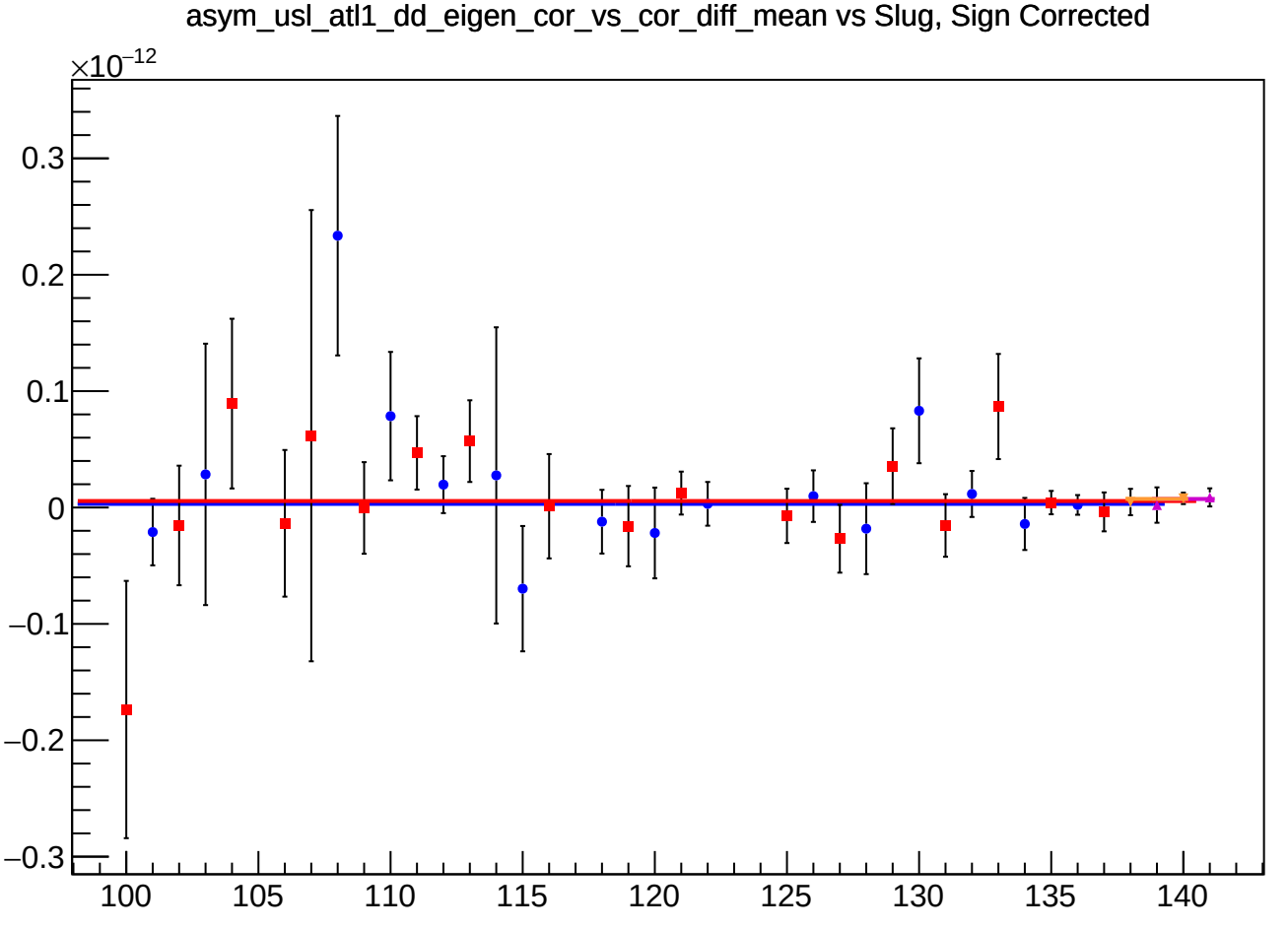
Left: 22.743+/-0.010 χ^2/NDF: 81064.2/3

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 25.318+/-0.007 χ^2/NDF:1778536.8/17

Out: 26.261+/-0.007 χ^2/NDF:2616047.4/19

All: 25.749+/-0.005 χ^2/NDF: 4403300.7/37



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

Left: 0.000+/-0.000 χ^2/NDF: 0.2/3

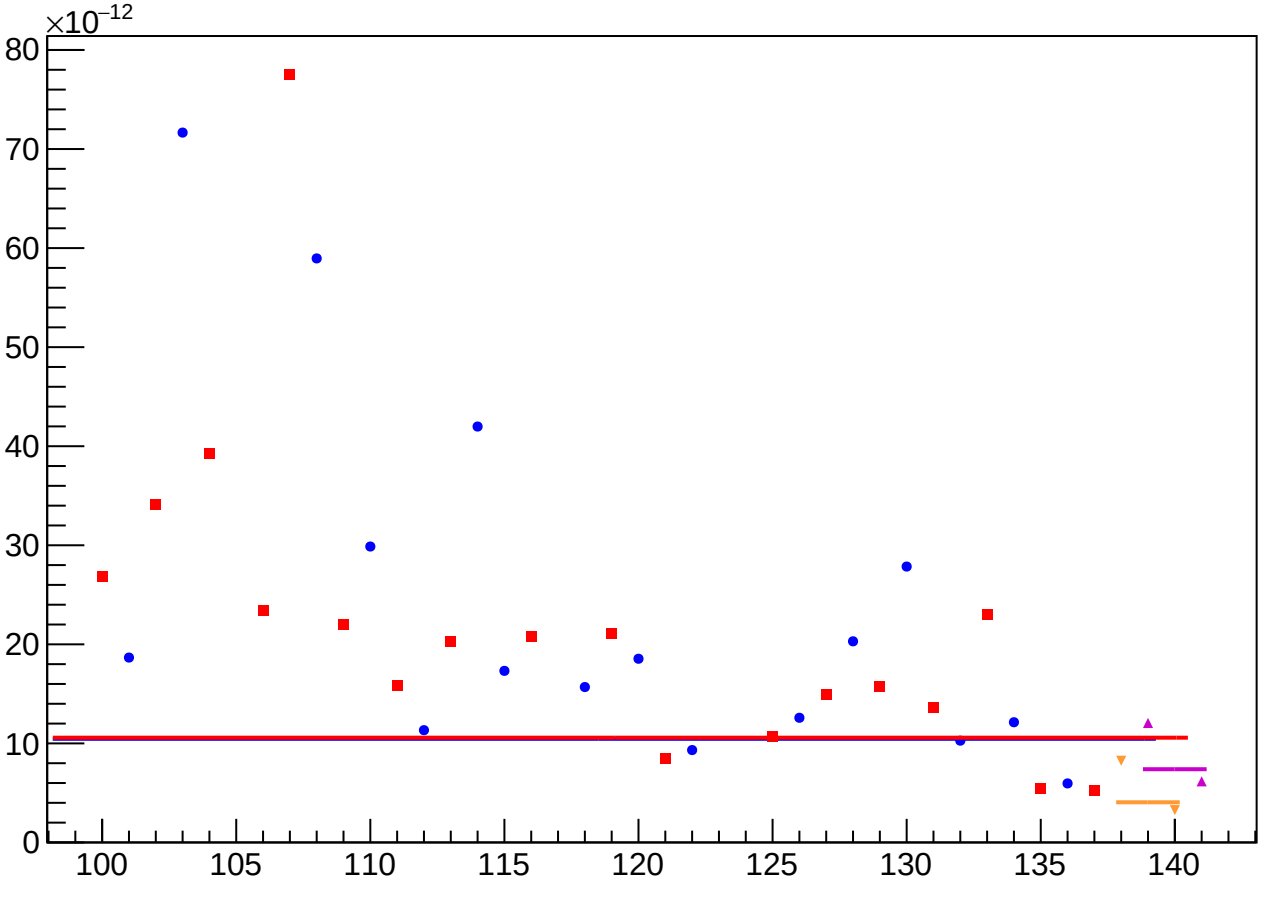
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:15.4/17

Out: 0.000+/-0.000 χ^2/NDF:15.4/19

All: 0.000+/-0.000 χ^2/NDF: 30.9/37

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:325778.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:237990.9/1

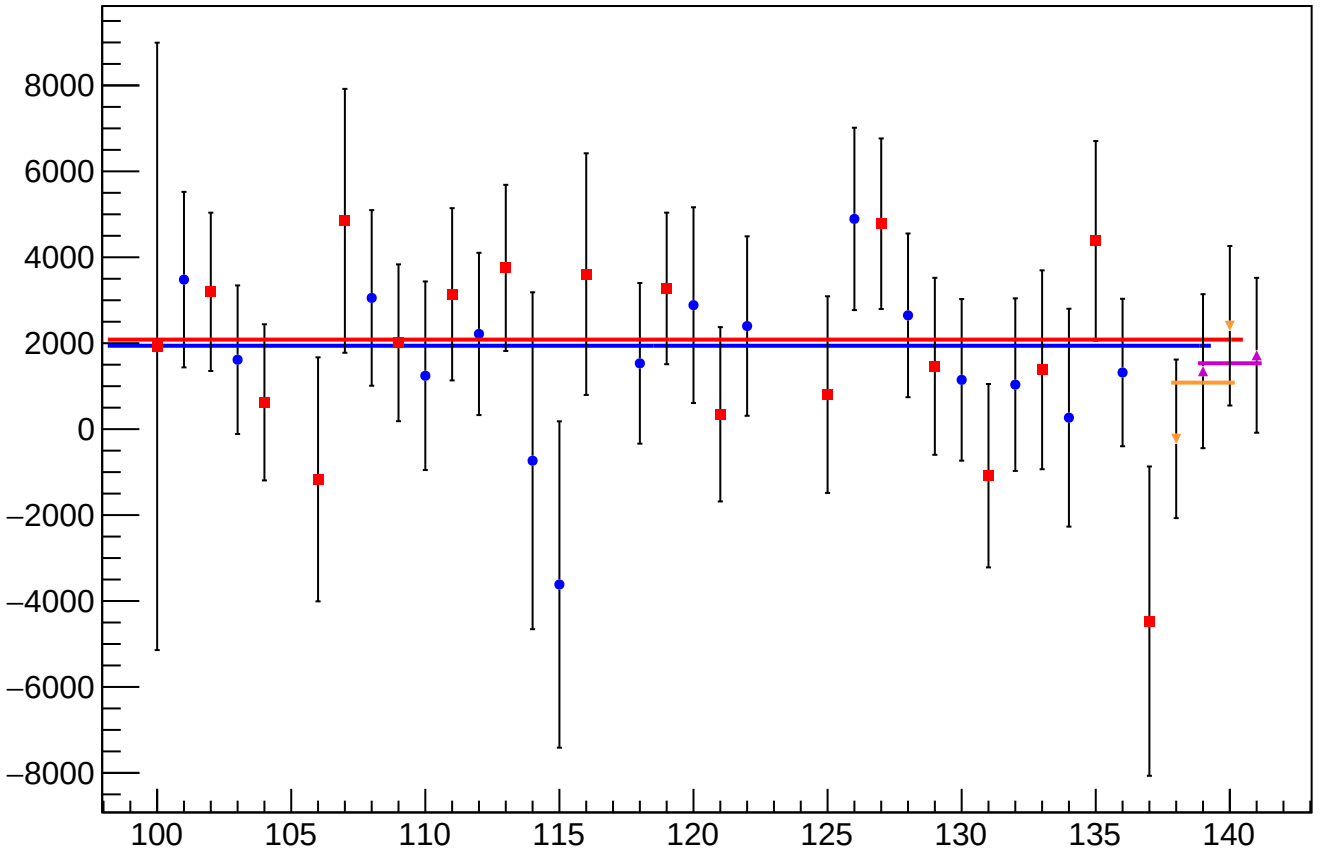
Left: 0.000+/-0.000 χ^2/NDF: 890048.1/3

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:3265883.3/17

Out: 0.000+/-0.000 χ^2/NDF:4578385.4/19

All: 0.000+/-0.000 χ^2/NDF: 8339351.9/37



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1082.927+/-1308.611 χ^2/NDF:1.0/1

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 1533.100+/-1270.775 χ^2/NDF:0.0/1

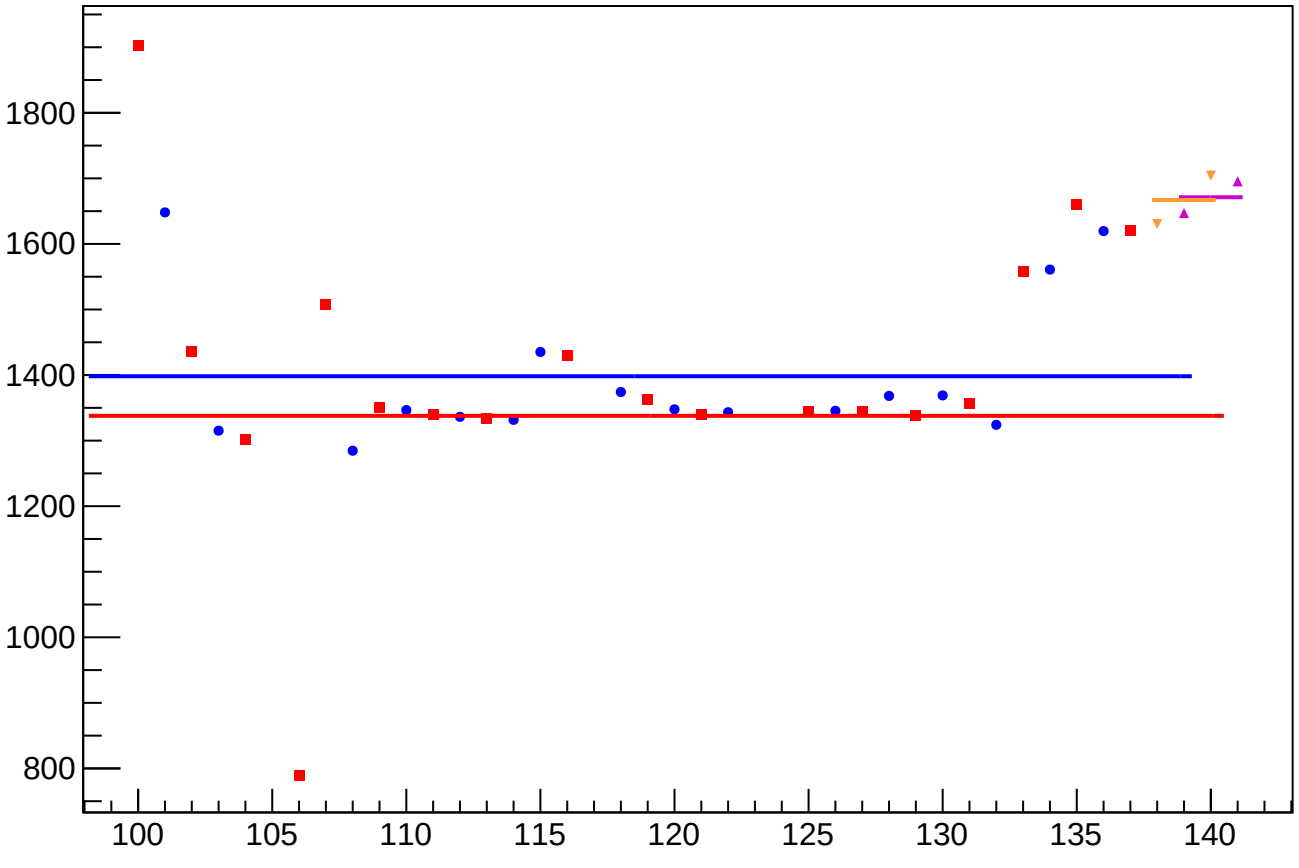
Left: 1314.616+/-911.656 χ^2/NDF: 1.1/3

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 1882.056+/-482.988 χ^2/NDF:7.0/17

Out: 1947.632+/-482.911 χ^2/NDF:16.0/19

All: 1914.849+/-341.497 χ^2/NDF: 23.0/37



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1667.062+/-0.925 χ^2/NDF:1596.9/1

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1671.201+/-0.899 χ^2/NDF:724.8/1

Left: 1669.192+/-0.645 χ^2/NDF: 2332.0/3

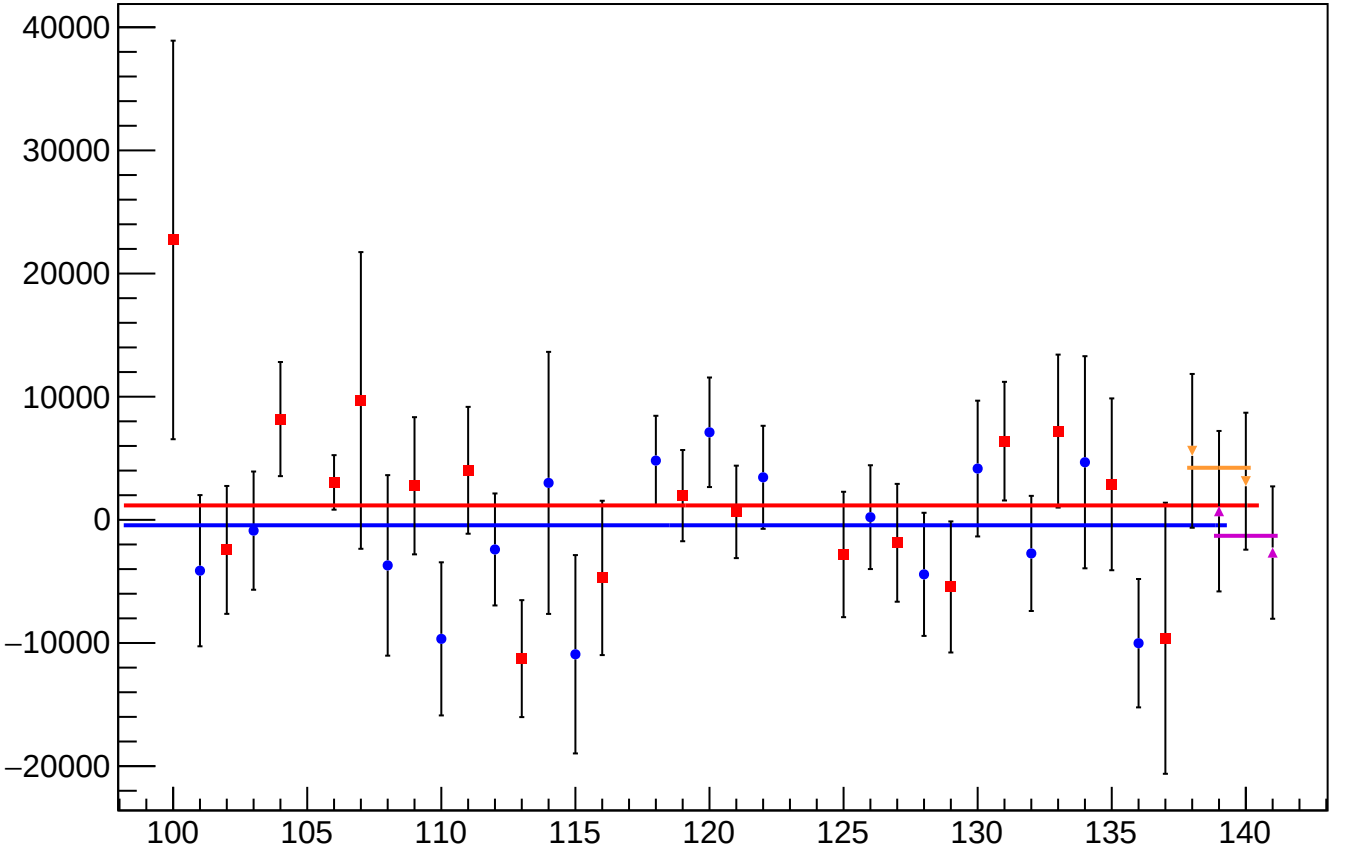
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1437.603+/-0.342 χ^2/NDF:173641.5/17

Out: 1380.250+/-0.332 χ^2/NDF:429647.1/19

All: 1408.131+/-0.238 χ^2/NDF: 617780.4/37

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 4228.087+/-4153.021 χ^2/NDF:0.1/1

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: -1296.464+/-4146.397 χ^2/NDF:0.2/1

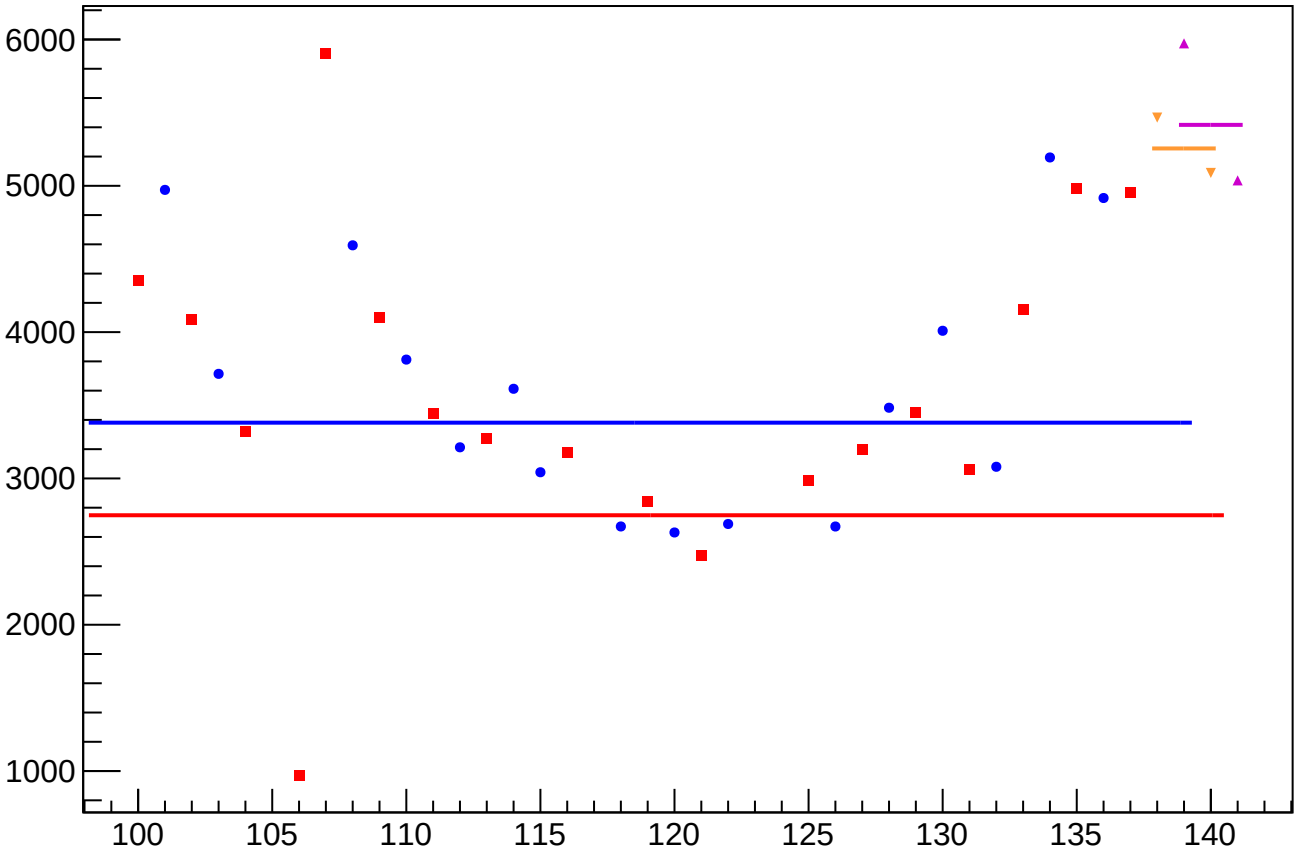
Left: 1461.403+/-2934.285 χ^2/NDF: 1.1/3

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -517.252+/-1236.912 χ^2/NDF:16.1/17

Out: 1378.738+/-1081.267 χ^2/NDF:20.3/19

All: 557.470+/-814.073 χ^2/NDF: 37.7/37



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5255.380+/-2.937 χ^2/NDF:4093.3/1

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5416.513+/-2.932 χ^2/NDF:24589.3/1

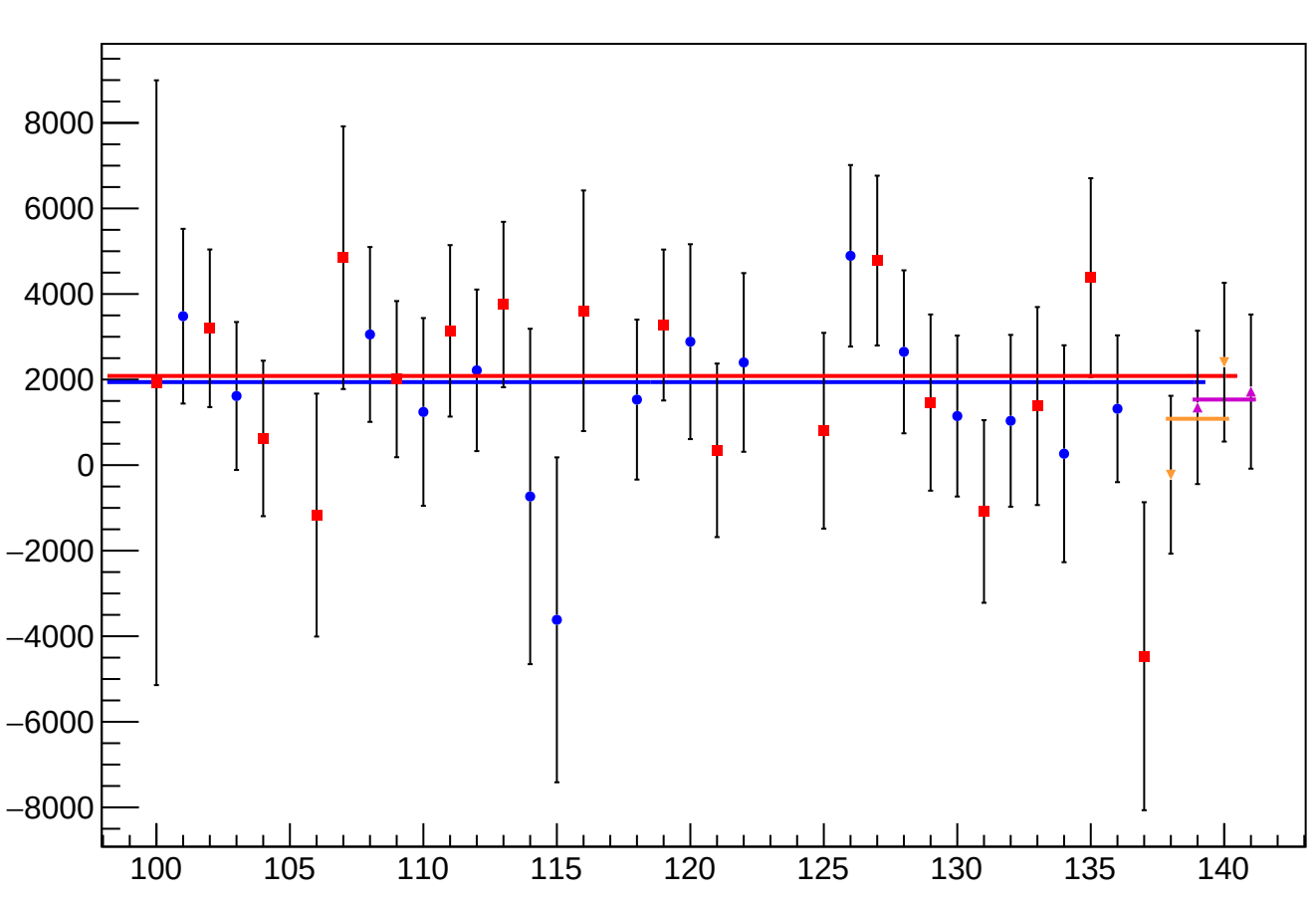
Left: 5336.075+/-2.075 χ^2/NDF: 30190.4/3

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3562.245+/-0.875 χ^2/NDF:1220781.4/17

Out: 2918.311+/-0.765 χ^2/NDF:2948062.5/19

All: 3197.238+/-0.576 χ^2/NDF: 4476095.8/37



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1083.137+/-1308.611 χ^2/NDF:1.0/1

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 1533.008+/-1270.775 χ^2/NDF:0.0/1

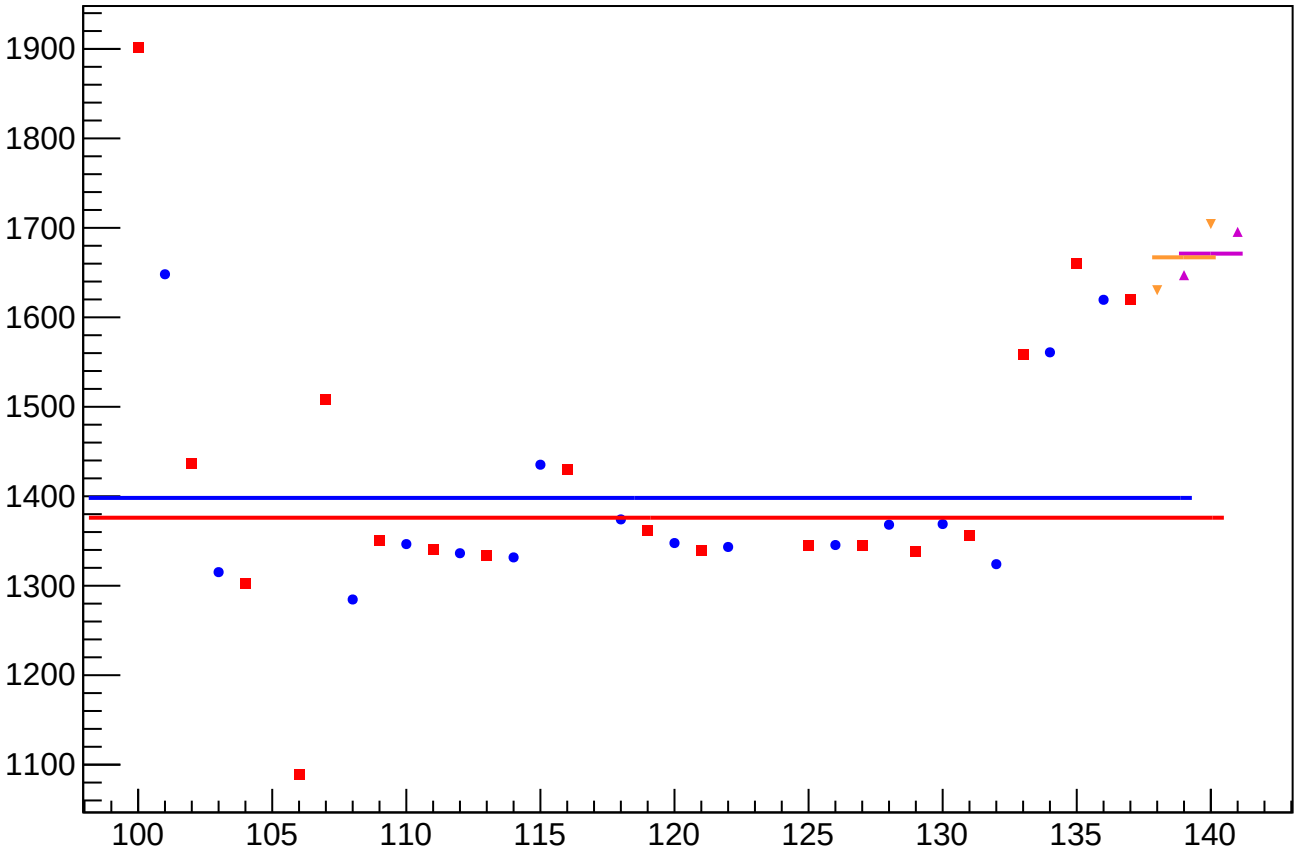
Left: 1314.670+/-911.656 χ^2/NDF: 1.1/3

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1882.090+/-482.988 χ^2/NDF:7.0/17

Out: 1947.845+/-482.913 χ^2/NDF:16.0/19

All: 1914.972+/-341.498 χ^2/NDF: 23.0/37



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1667.062+/-0.925 χ^2/NDF:1596.9/1

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1671.201+/-0.899 χ^2/NDF:724.8/1

Left: 1669.192+/-0.645 χ^2/NDF: 2332.0/3

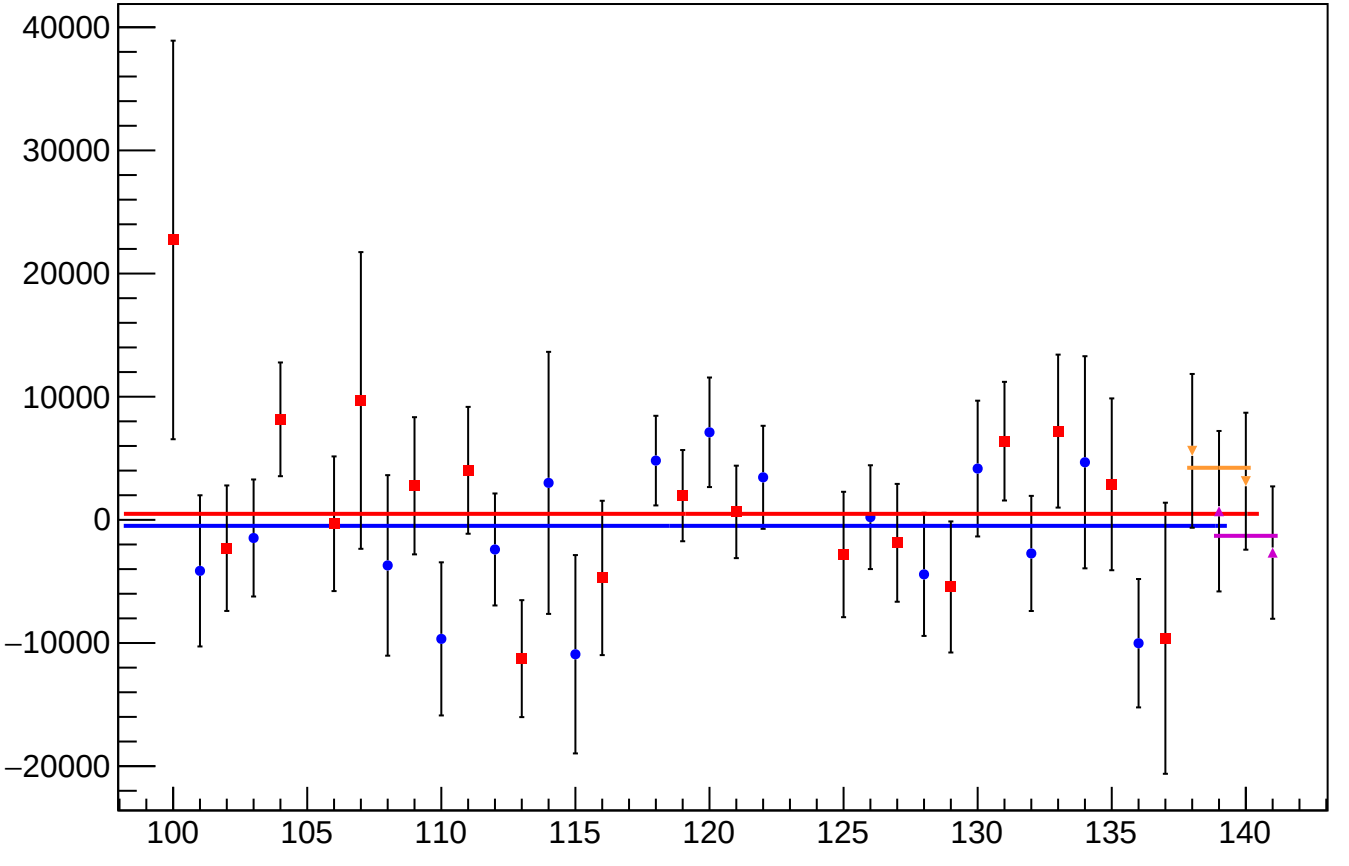
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1437.603+/-0.342 χ^2/NDF:173641.5/17

Out: 1414.748+/-0.338 χ^2/NDF:201394.5/19

All: 1426.041+/-0.240 χ^2/NDF: 377301.5/37

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 4228.383+/-4153.020 χ^2/NDF:0.1/1

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1296.442+/-4146.390 χ^2/NDF:0.2/1

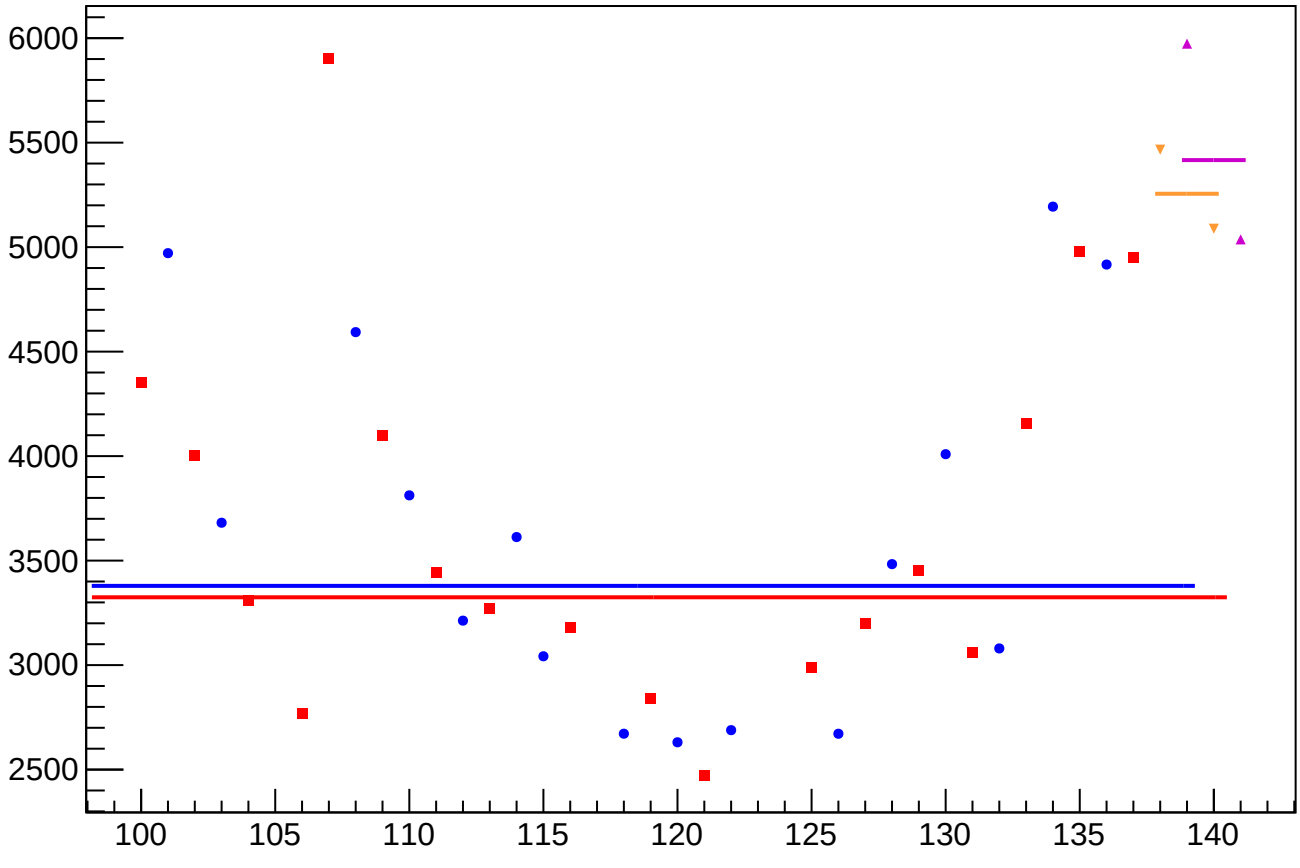
Left: 1461.556+/-2934.282 χ^2/NDF: 1.1/3

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -558.533+/-1236.054 χ^2/NDF:16.1/17

Out: 804.420+/-1206.881 χ^2/NDF:19.5/19

All: 139.217+/-863.523 χ^2/NDF: 36.3/37



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5255.379+/-2.937 χ^2/NDF:4093.5/1

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5416.502+/-2.932 χ^2/NDF:24589.9/1

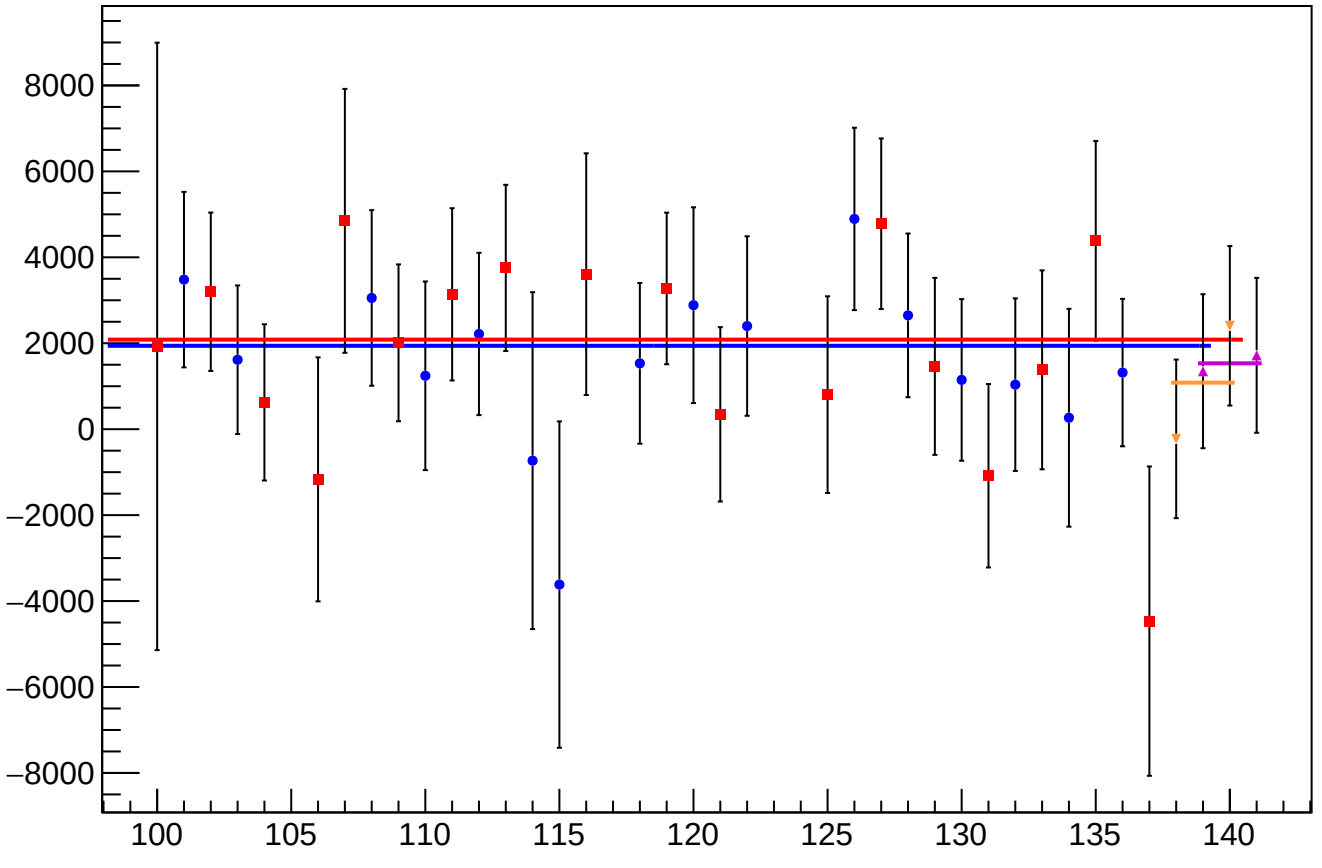
Left: 5336.069+/-2.075 χ^2/NDF: 30190.9/3

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3560.165+/-0.874 χ^2/NDF:1219897.9/17

Out: 3487.517+/-0.853 χ^2/NDF:943744.2/19

All: 3522.973+/-0.611 χ^2/NDF: 2167178.9/37



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1083.137+/-1308.611 χ^2/NDF:1.0/1

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 1533.008+/-1270.775 χ^2/NDF:0.0/1

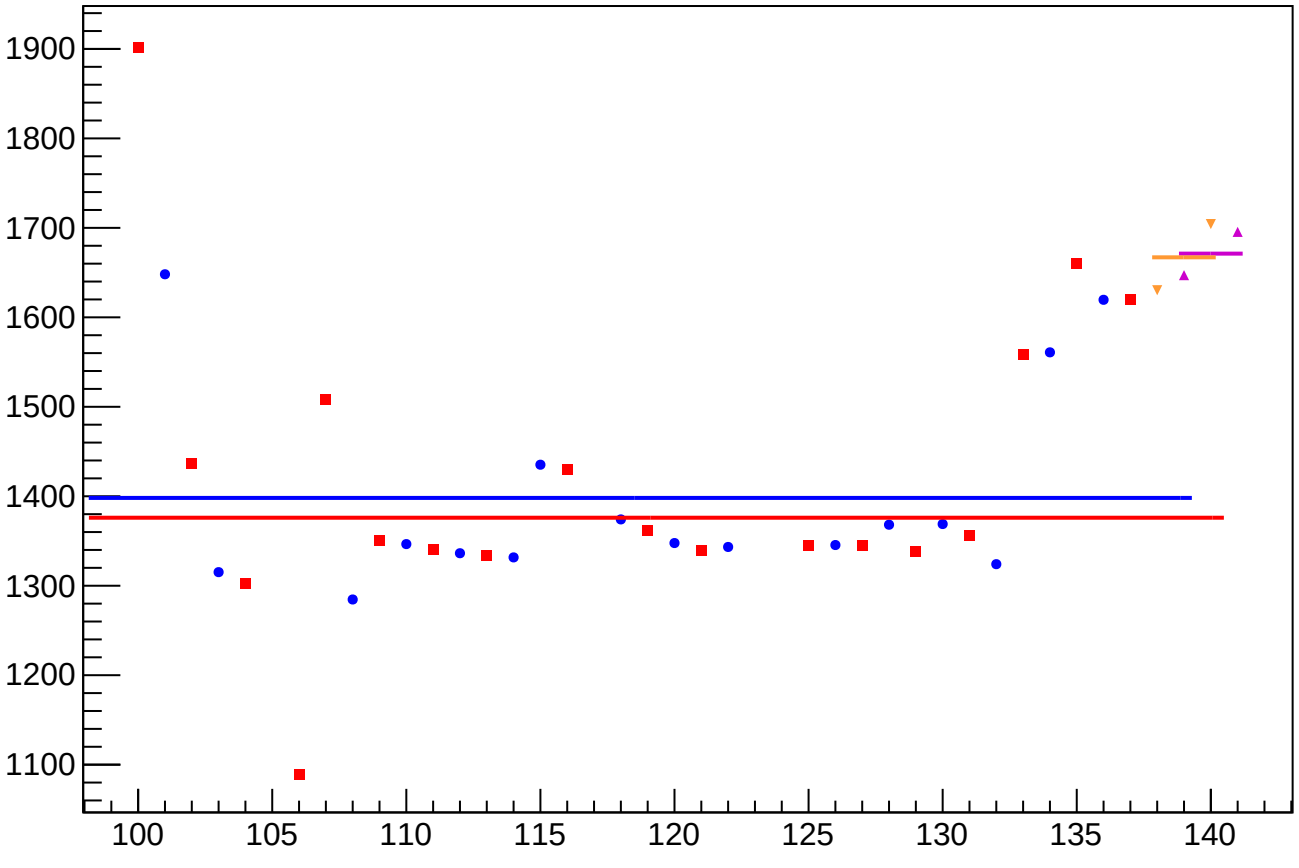
Left: 1314.670+/-911.656 χ^2/NDF: 1.1/3

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1882.090+/-482.988 χ^2/NDF:7.0/17

Out: 1947.845+/-482.913 χ^2/NDF:16.0/19

All: 1914.972+/-341.498 χ^2/NDF: 23.0/37



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1667.062+/-0.925 χ^2/NDF:1596.9/1

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1671.201+/-0.899 χ^2/NDF:724.8/1

Left: 1669.192+/-0.645 χ^2/NDF: 2332.0/3

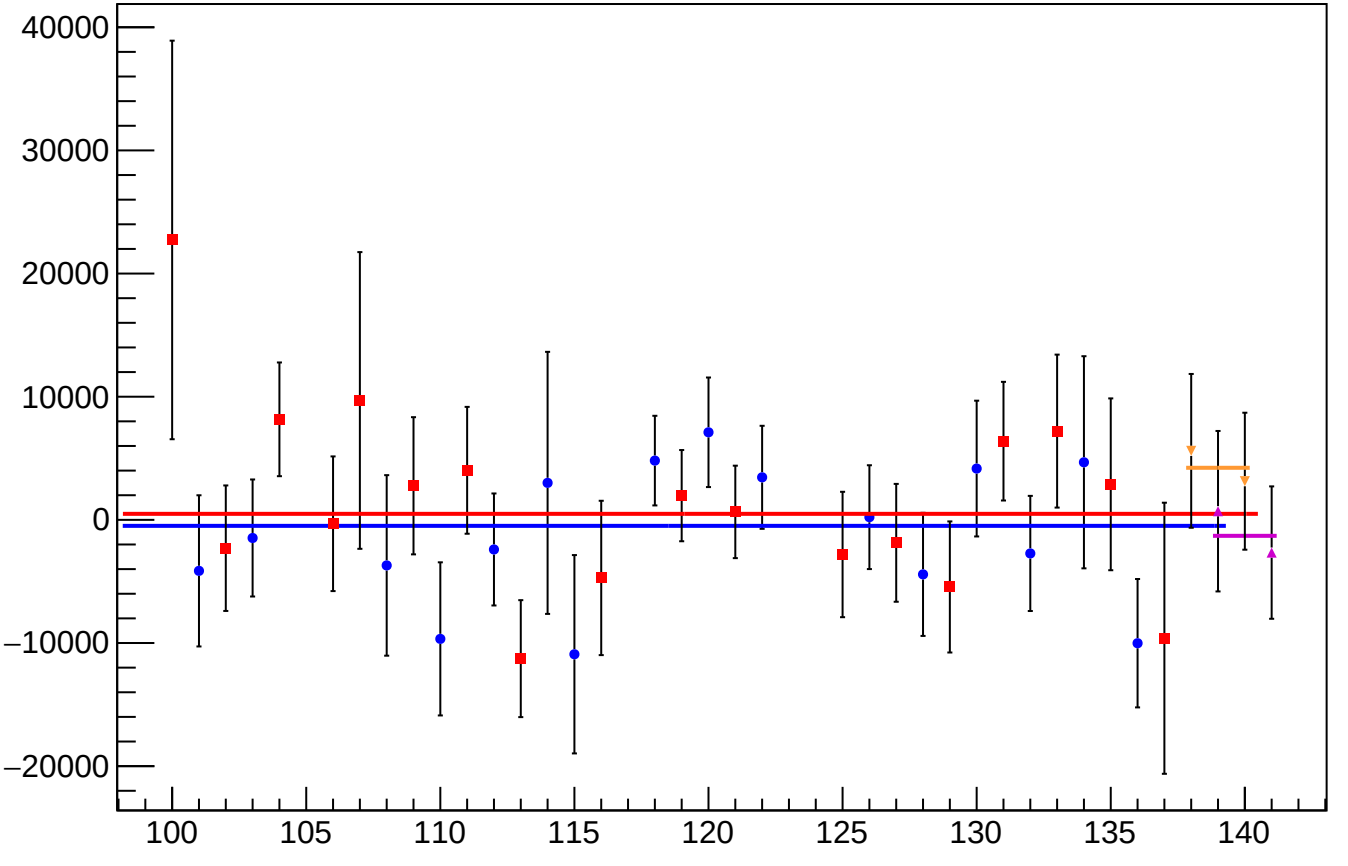
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1437.603+/-0.342 χ^2/NDF:173641.5/17

Out: 1414.748+/-0.338 χ^2/NDF:201394.5/19

All: 1426.041+/-0.240 χ^2/NDF: 377301.5/37

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 4228.383+/-4153.020 χ^2/NDF:0.1/1

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1296.442+/-4146.390 χ^2/NDF:0.2/1

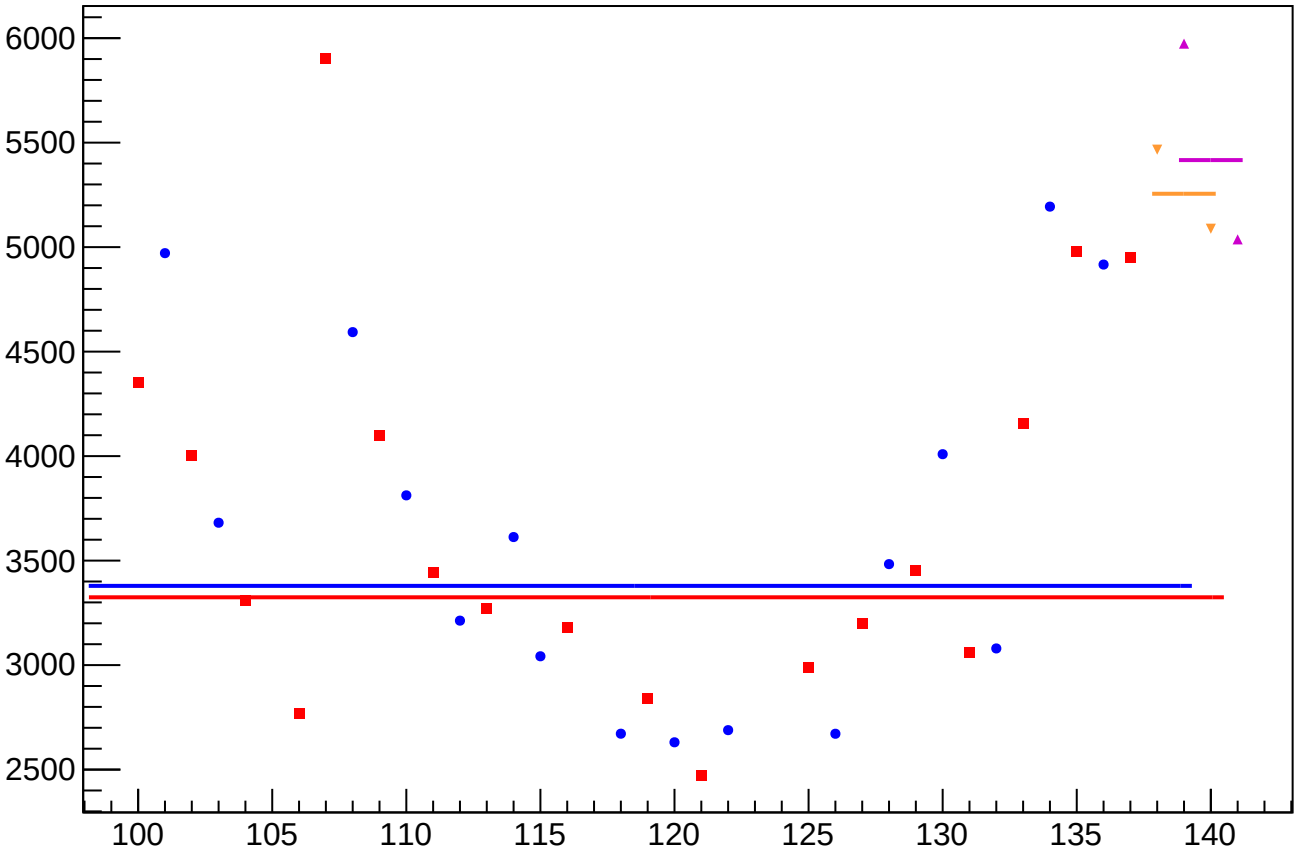
Left: 1461.556+/-2934.282 χ^2/NDF: 1.1/3

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -558.533+/-1236.054 χ^2/NDF:16.1/17

Out: 804.420+/-1206.881 χ^2/NDF:19.5/19

All: 139.217+/-863.523 χ^2/NDF: 36.3/37



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5255.379+/-2.937 χ^2/NDF:4093.5/1

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5416.502+/-2.932 χ^2/NDF:24589.9/1

Left: 5336.069+/-2.075 χ^2/NDF: 30190.9/3

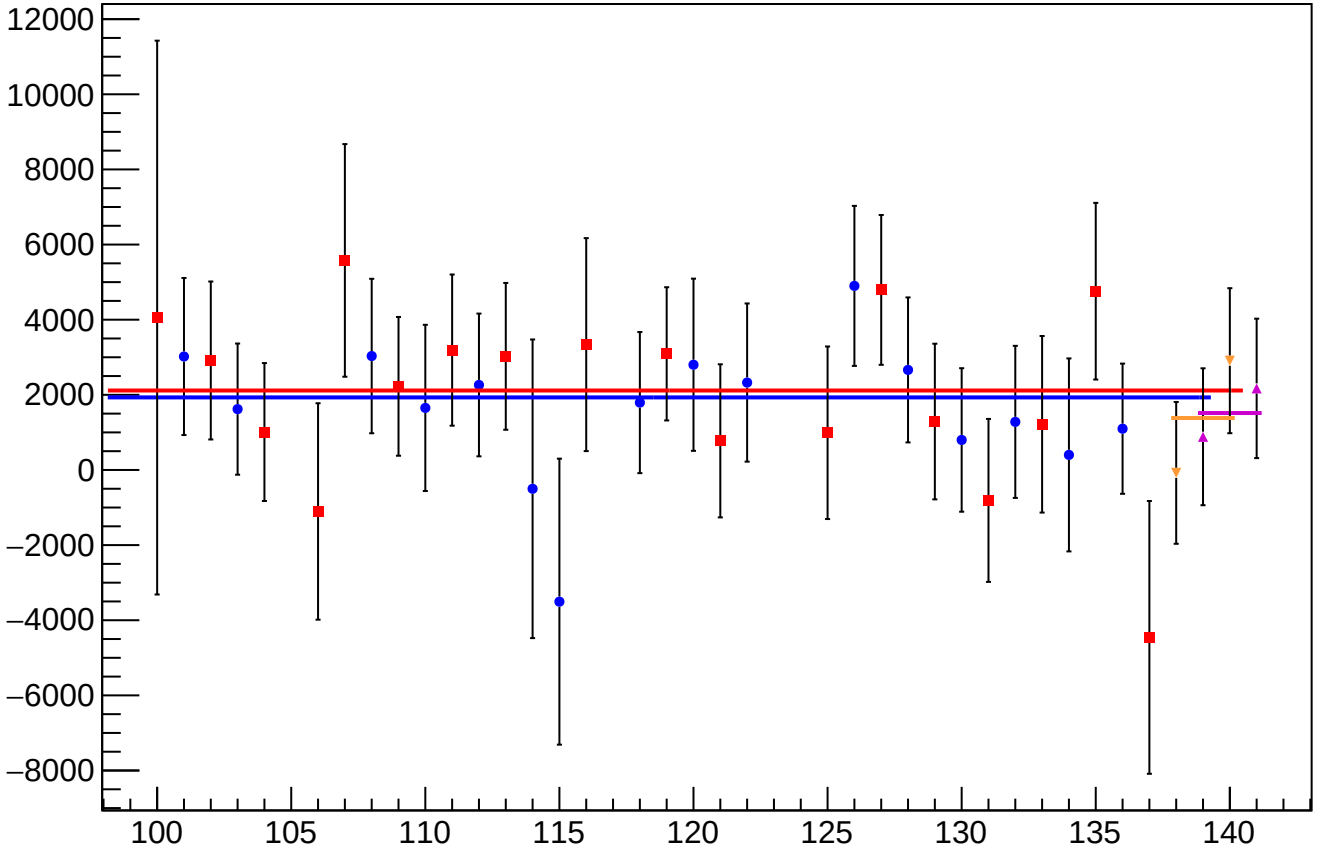
Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3560.165+/-0.874 χ^2/NDF:1219897.9/17

Out: 3487.517+/-0.853 χ^2/NDF:943744.2/19

All: 3522.973+/-0.611 χ^2/NDF: 2167178.9/37

dit_asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1382.641+/-1349.555 χ^2/NDF:1.2/1

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 1515.730+/-1300.195 χ^2/NDF:0.2/1

Left: 1451.664+/-936.340 χ^2/NDF: 1.5/3

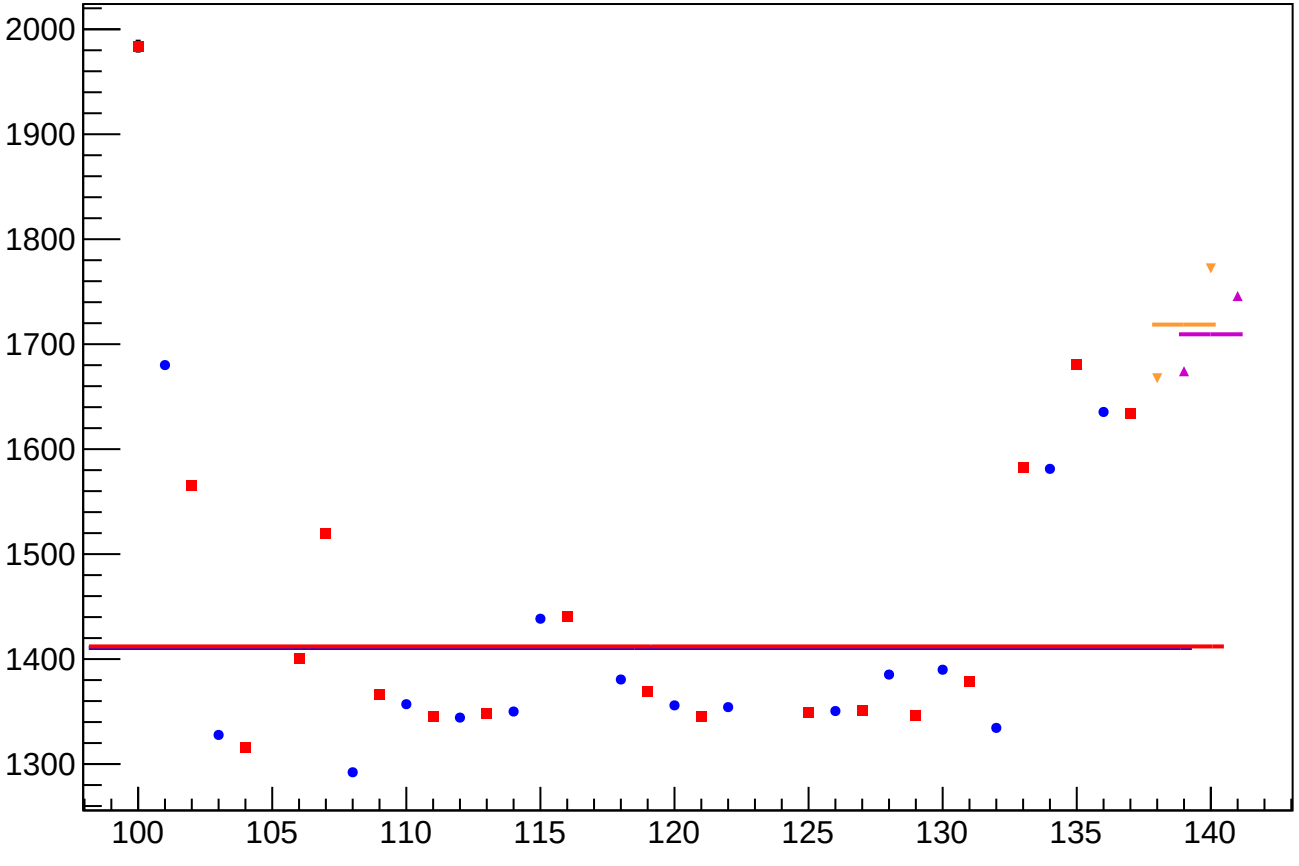
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1872.838+/-488.513 χ^2/NDF:6.7/17

Out: 2017.692+/-492.355 χ^2/NDF:14.7/19

All: 1944.698+/-346.781 χ^2/NDF: 21.4/37

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1718.664+/-0.954 χ^2/NDF:3008.5/1

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1709.409+/-0.919 χ^2/NDF:1517.7/1

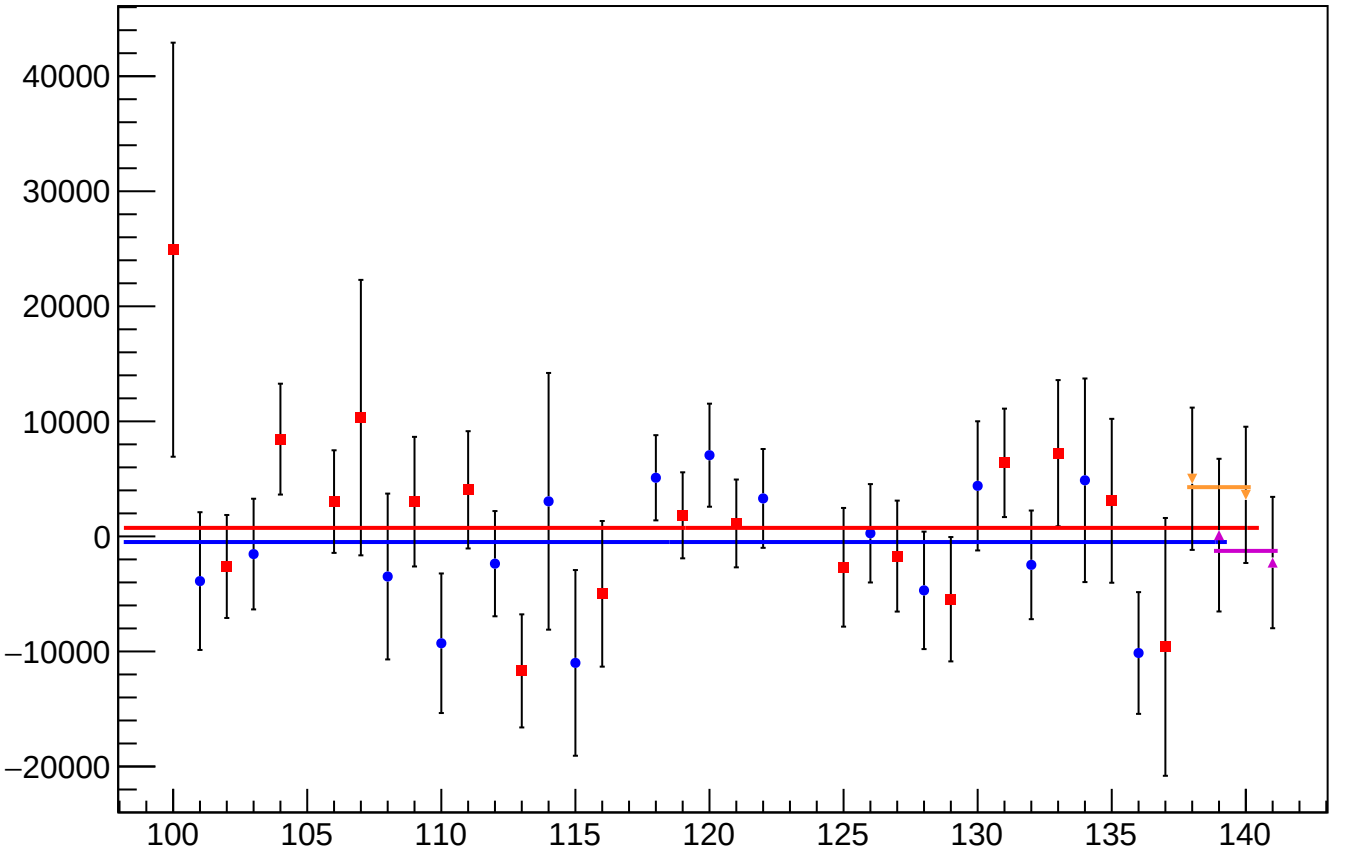
Left: 1713.864+/-0.662 χ^2/NDF: 4574.9/3

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1452.778+/-0.345 χ^2/NDF:191391.8/17

Out: 1452.670+/-0.347 χ^2/NDF:182273.5/19

All: 1452.724+/-0.245 χ^2/NDF: 373665.4/37



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 4281.053+/-4276.917 χ^2/NDF:0.0/1

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: -1259.386+/-4327.843 χ^2/NDF:0.1/1

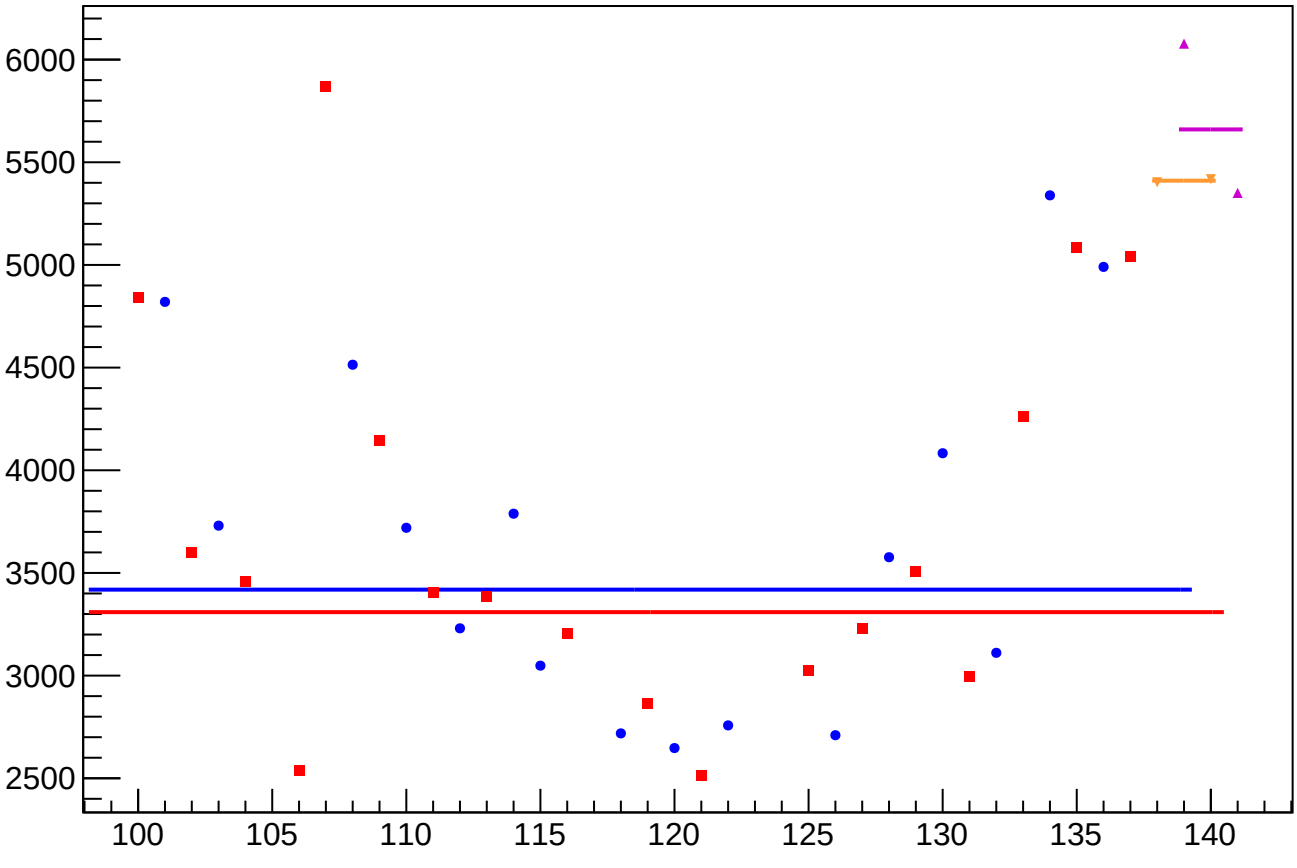
Left: 1543.623+/-3042.082 χ^2/NDF: 0.9/3

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -553.910+/-1252.673 χ^2/NDF:15.9/17

Out: 1018.374+/-1197.991 χ^2/NDF:19.8/19

All: 267.297+/-865.794 χ^2/NDF: 36.6/37



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5410.346+/-3.024 χ^2/NDF:6.3/1

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5659.971+/-3.060 χ^2/NDF:13793.1/1

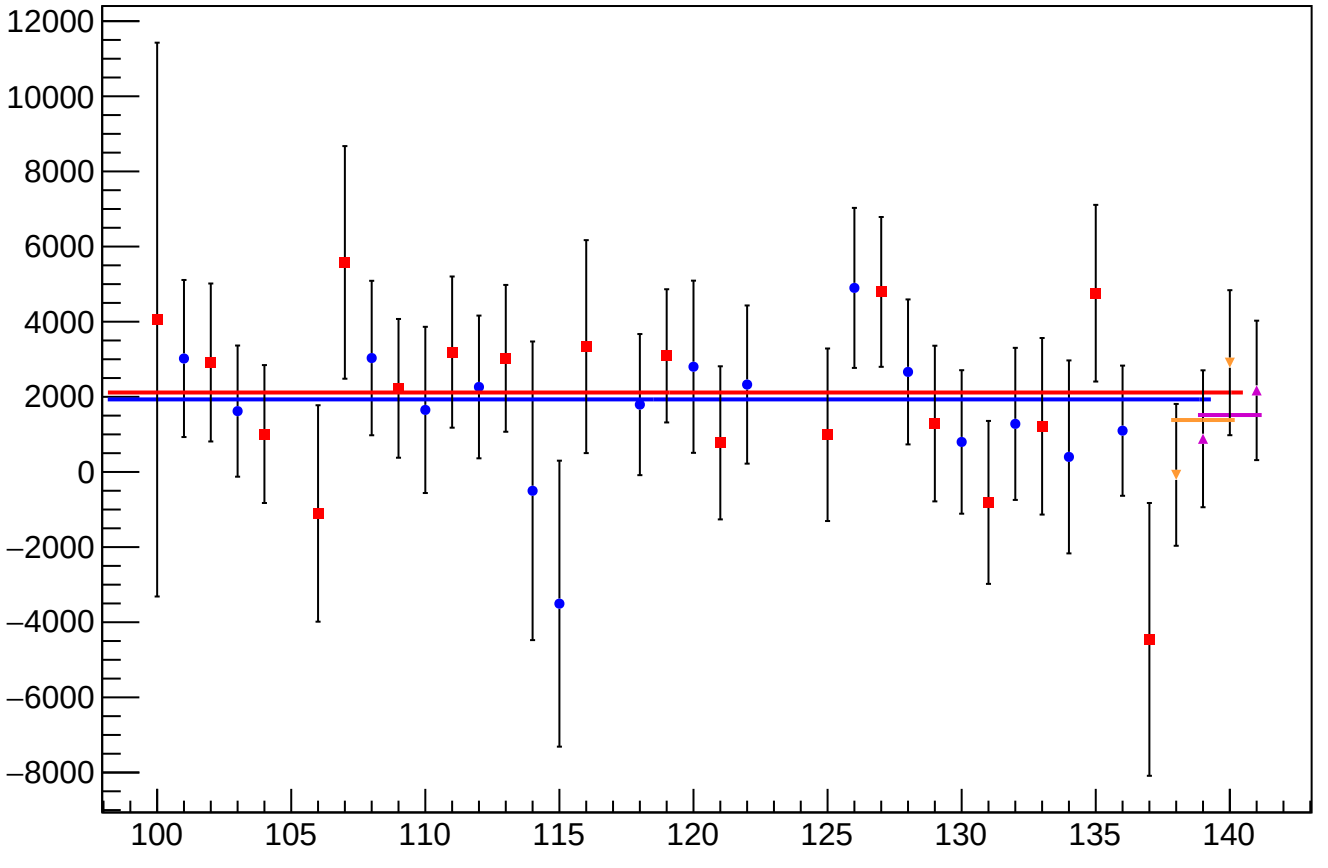
Left: 5533.681+/-2.151 χ^2/NDF: 17165.6/3

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3606.471+/-0.886 χ^2/NDF:1226454.4/17

Out: 3473.974+/-0.847 χ^2/NDF:1016815.2/19

All: 3537.267+/-0.612 χ^2/NDF: 2254956.2/37



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1382.653+/-1349.556 χ^2/NDF:1.2/1

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 1515.729+/-1300.196 χ^2/NDF:0.2/1

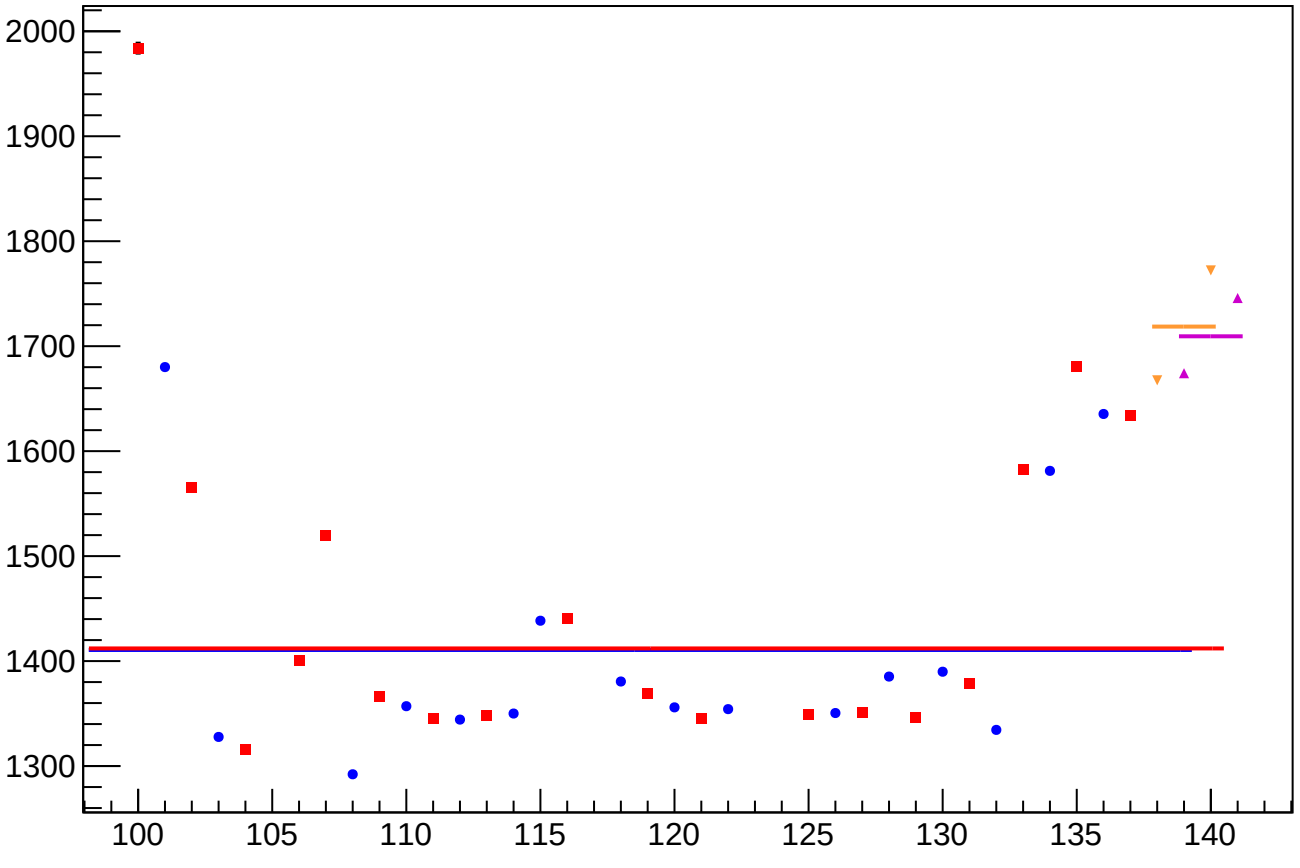
Left: 1451.669+/-936.341 χ^2/NDF: 1.5/3

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1872.839+/-488.513 χ^2/NDF:6.7/17

Out: 2017.694+/-492.355 χ^2/NDF:14.7/19

All: 1944.699+/-346.781 χ^2/NDF: 21.4/37



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1718.665+/-0.954 χ^2/NDF:3008.6/1

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1709.411+/-0.919 χ^2/NDF:1517.7/1

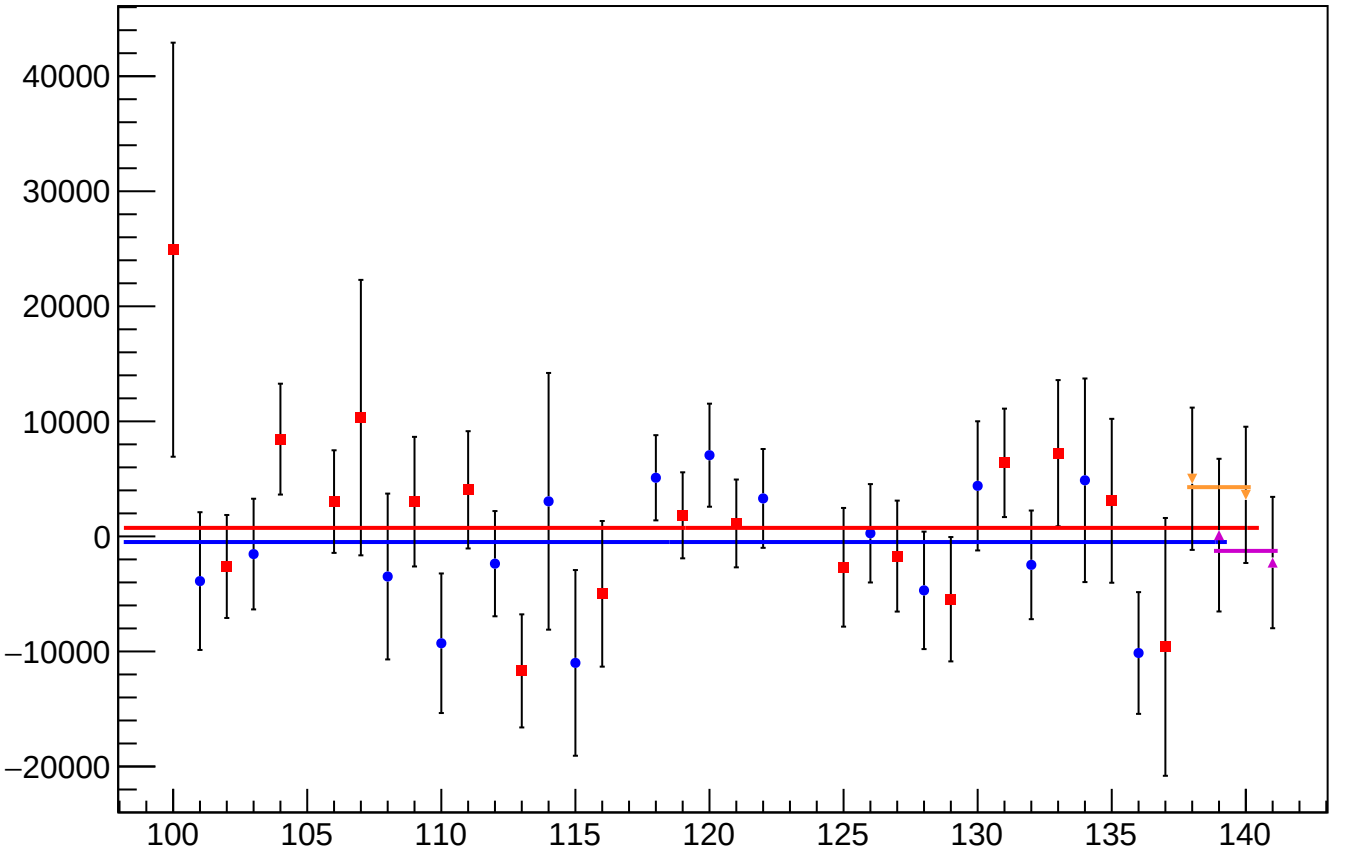
Left: 1713.865+/-0.662 χ^2/NDF: 4575.0/3

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1452.779+/-0.345 χ^2/NDF:191392.5/17

Out: 1452.670+/-0.347 χ^2/NDF:182274.1/19

All: 1452.724+/-0.245 χ^2/NDF: 373666.6/37



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 4281.063+/-4276.927 χ^2/NDF:0.0/1

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1259.386+/-4327.853 χ^2/NDF:0.1/1

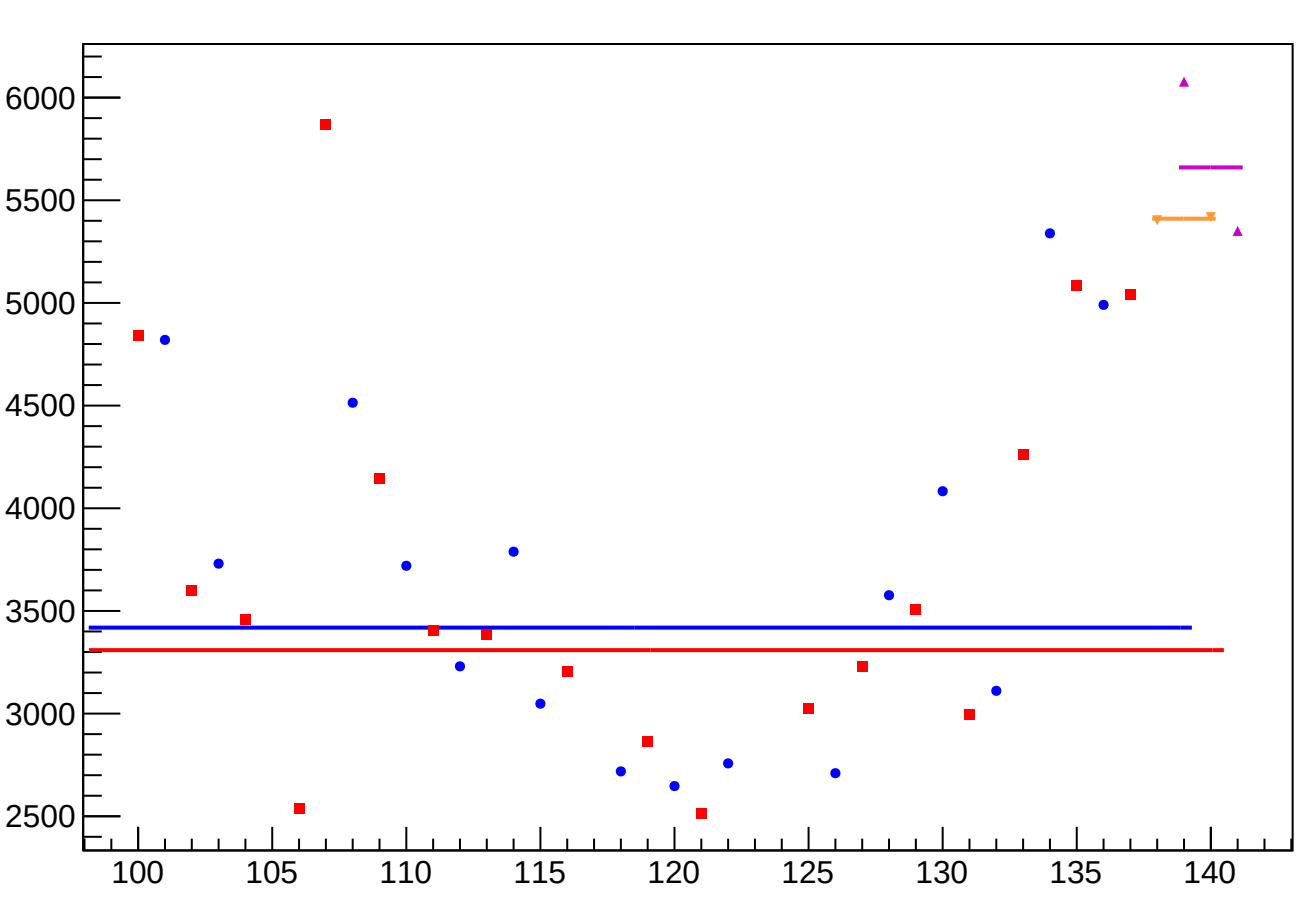
Left: 1543.627+/-3042.089 χ^2/NDF: 0.9/3

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -553.903+/-1252.669 χ^2/NDF:15.9/17

Out: 1018.375+/-1197.988 χ^2/NDF:19.8/19

All: 267.301+/-865.791 χ^2/NDF: 36.6/37



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5410.359+/-3.024 χ^2/NDF:6.3/1

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5659.983+/-3.060 χ^2/NDF:13793.5/1

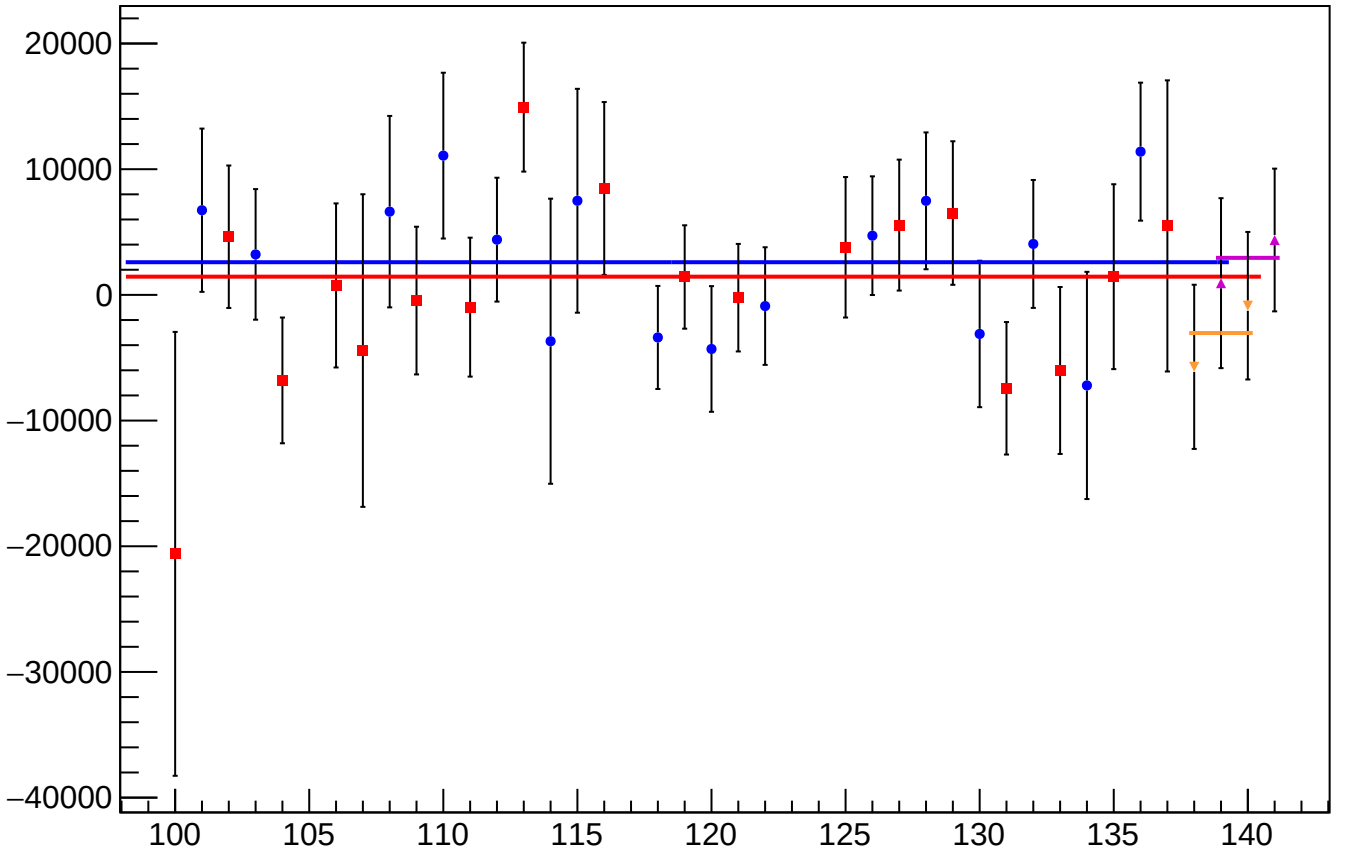
Left: 5533.694+/-2.151 χ^2/NDF: 17166.0/3

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3606.460+/-0.886 χ^2/NDF:1226472.0/17

Out: 3473.964+/-0.847 χ^2/NDF:1016827.1/19

All: 3537.257+/-0.612 χ^2/NDF: 2254985.6/37



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -3033.989+/-4365.549 χ^2/NDF:0.3/1

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 2947.290+/-4347.803 χ^2/NDF:0.2/1

Left: -31.168+/-3080.616 χ^2/NDF: 1.4/3

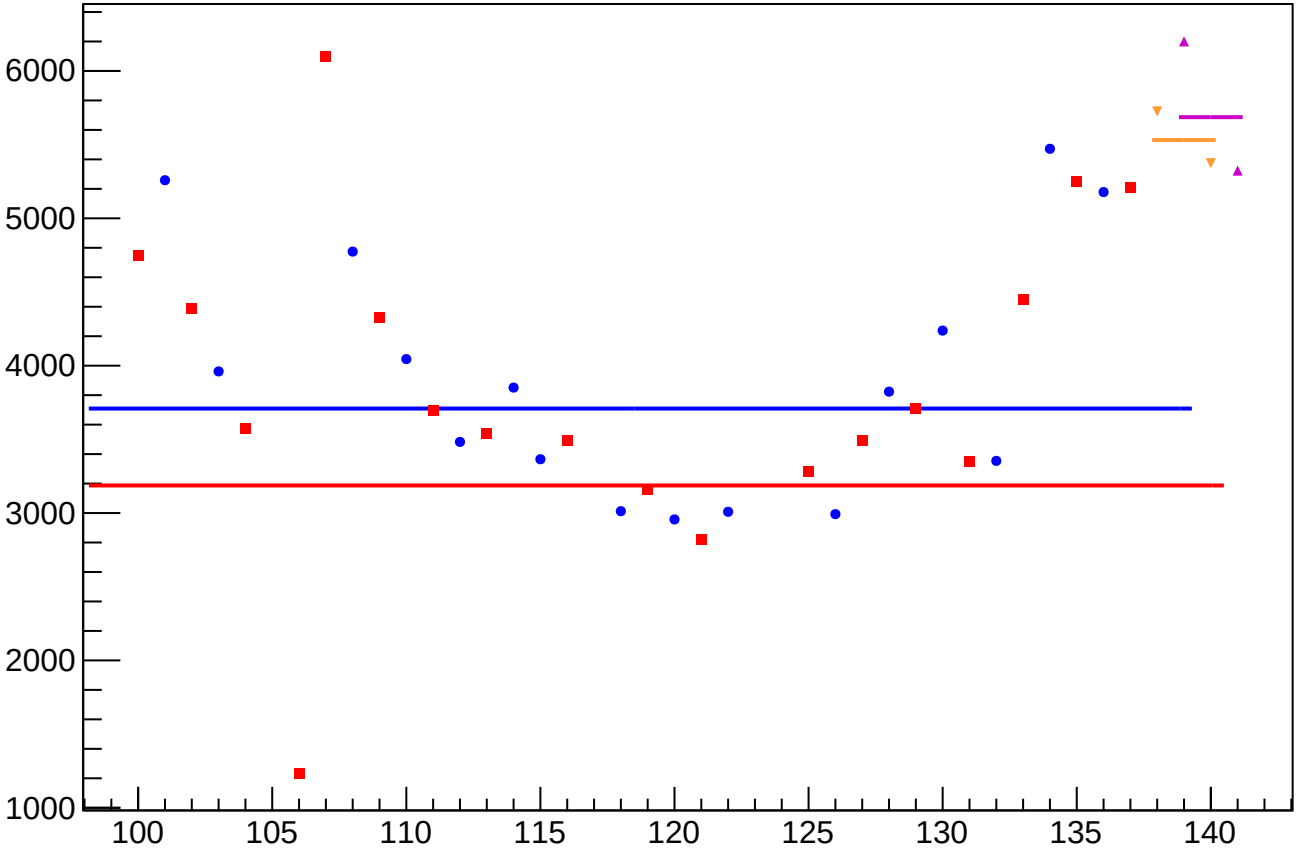
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2632.898+/-1345.103 χ^2/NDF:13.6/17

Out: 1041.504+/-1318.265 χ^2/NDF:20.3/19

All: 1821.166+/-941.499 χ^2/NDF: 34.7/37

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5531.087+/-3.087 χ^2/NDF:3208.2/1

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5686.617+/-3.074 χ^2/NDF:19725.5/1

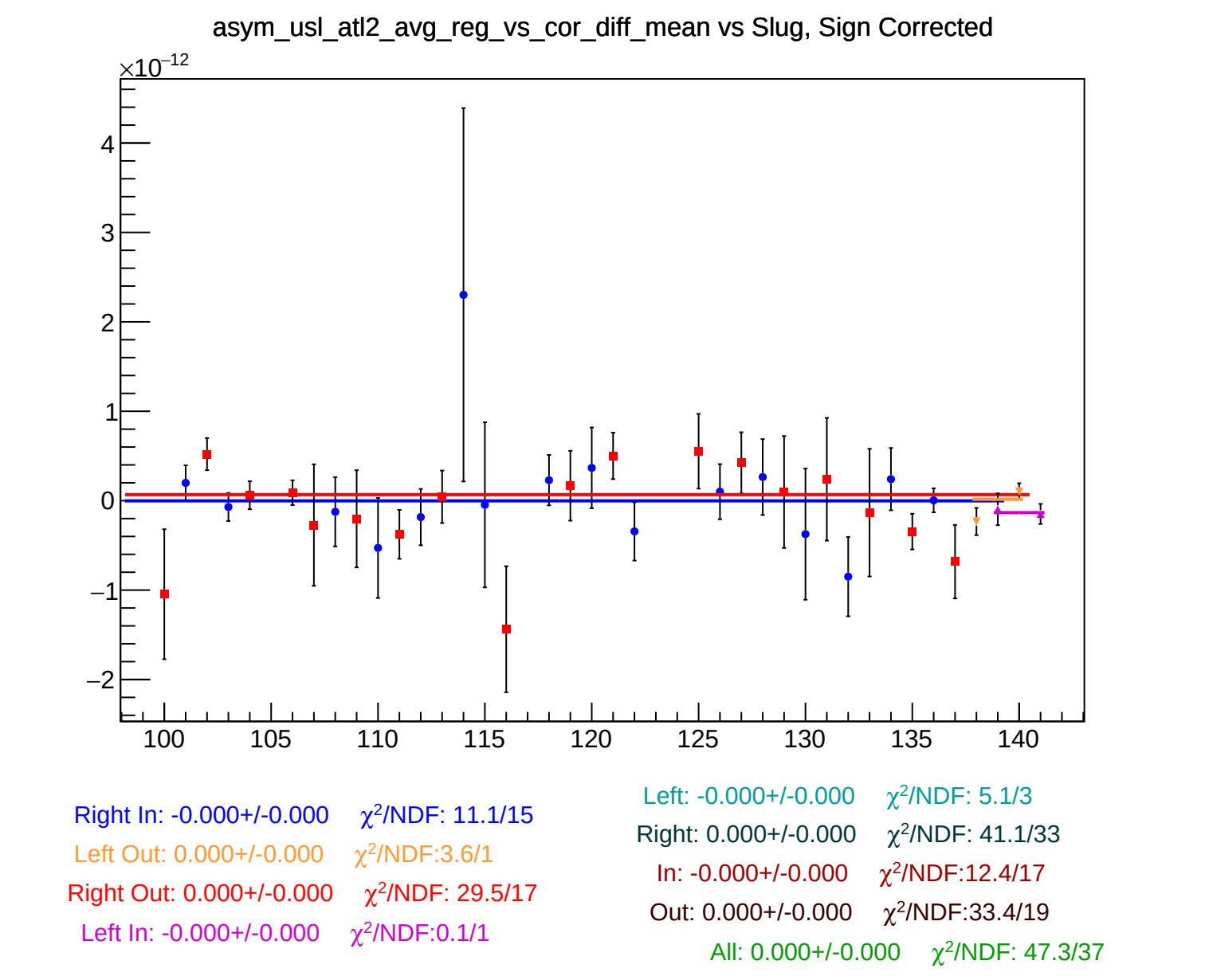
Left: 5609.169+/-2.178 χ^2/NDF: 24208.2/3

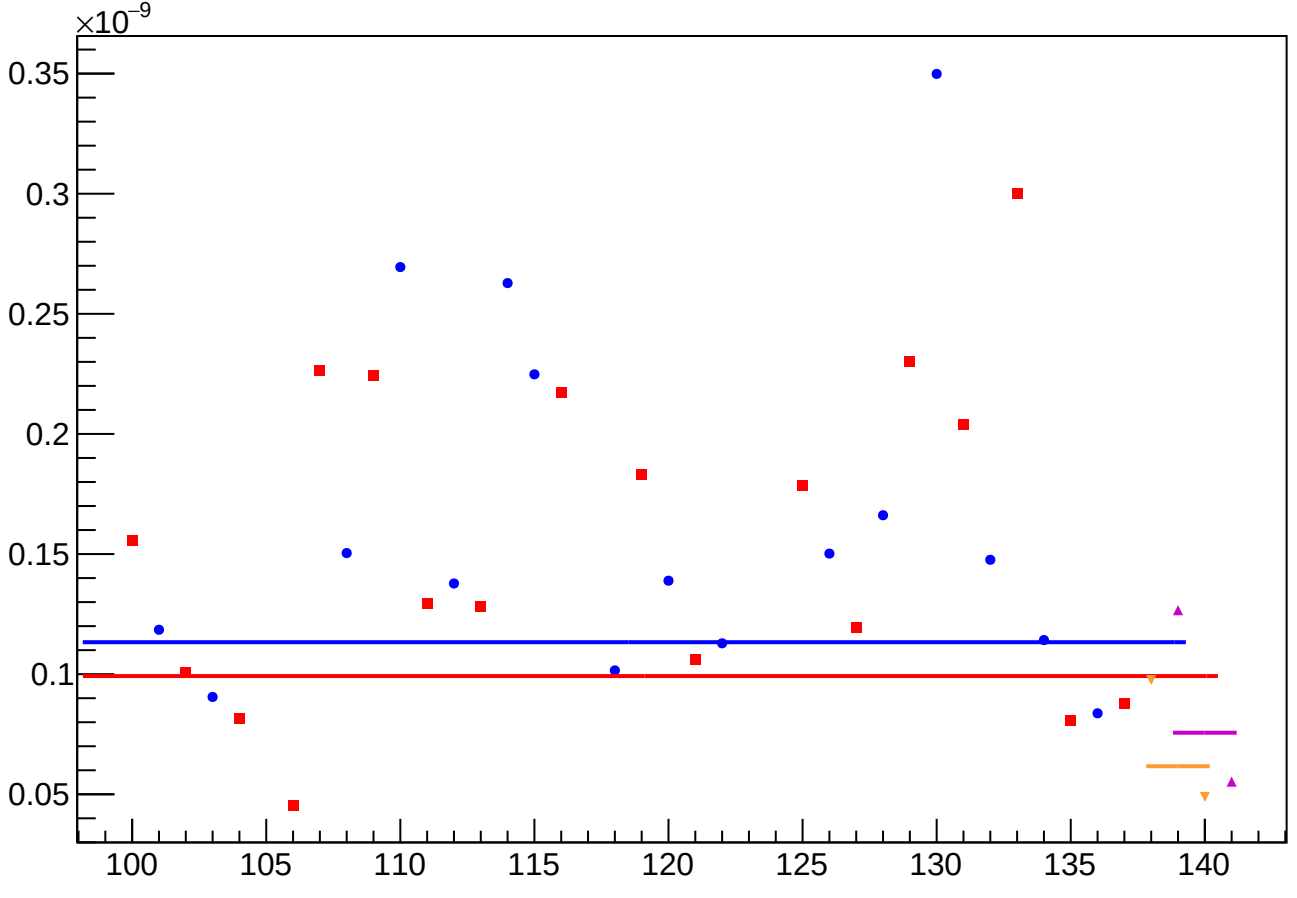
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 3898.423+/-0.951 χ^2/NDF:1004484.8/17

Out: 3369.157+/-0.860 χ^2/NDF:2145806.6/19

All: 3607.257+/-0.638 χ^2/NDF: 3320638.4/37


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3.6/1
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:0.1/1
Left: -0.000+/-0.000 χ²/NDF: 5.1/3
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:12.4/17
Out: 0.000+/-0.000 χ²/NDF:33.4/19
All: 0.000+/-0.000 χ²/NDF: 47.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:150265.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:230009.2/1

Left: 0.000+/-0.000 χ^2/NDF: 405993.1/3

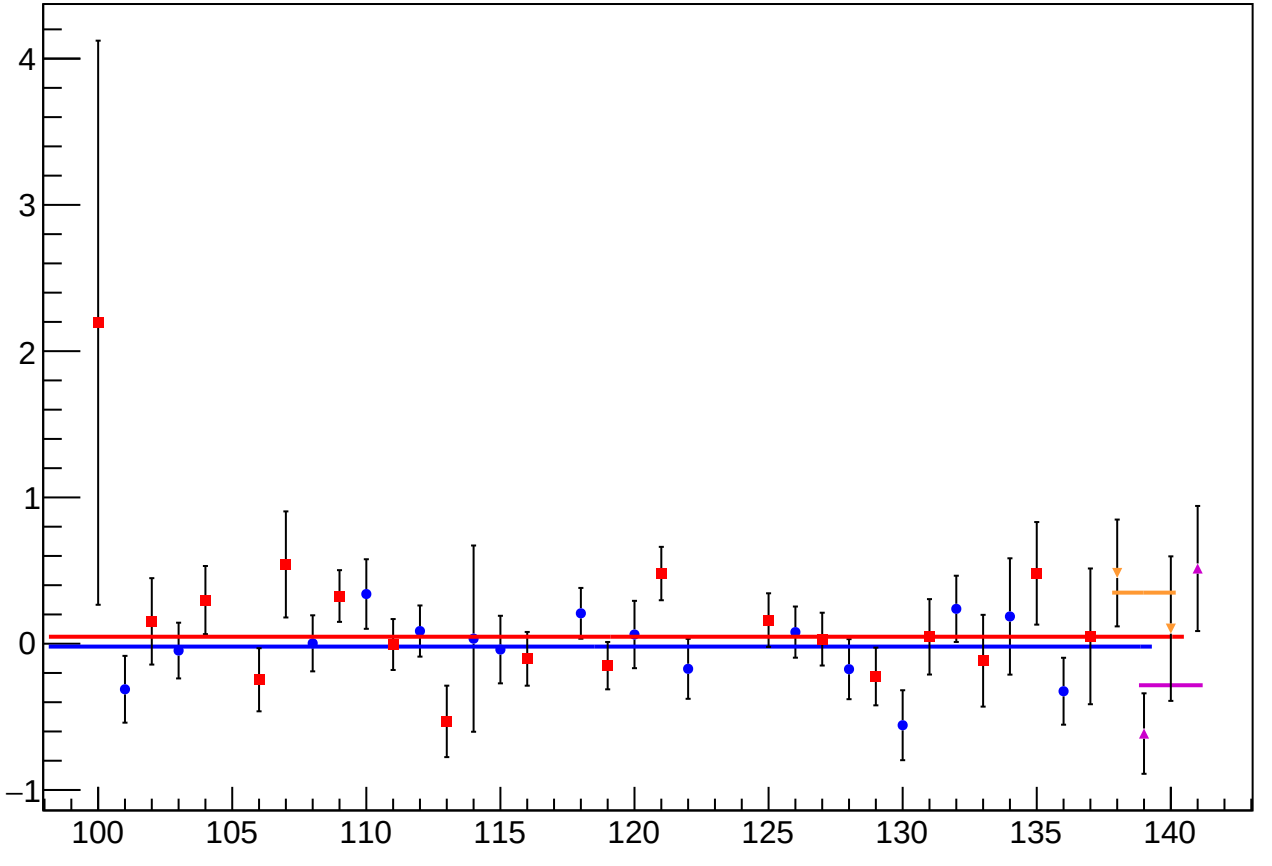
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1088786.4/17

Out: 0.000+/-0.000 χ^2/NDF:1521585.1/19

All: 0.000+/-0.000 χ^2/NDF: 2702777.4/37

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.349+/-0.294 χ^2/NDF:0.4/1

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.284+/-0.231 χ^2/NDF:4.9/1

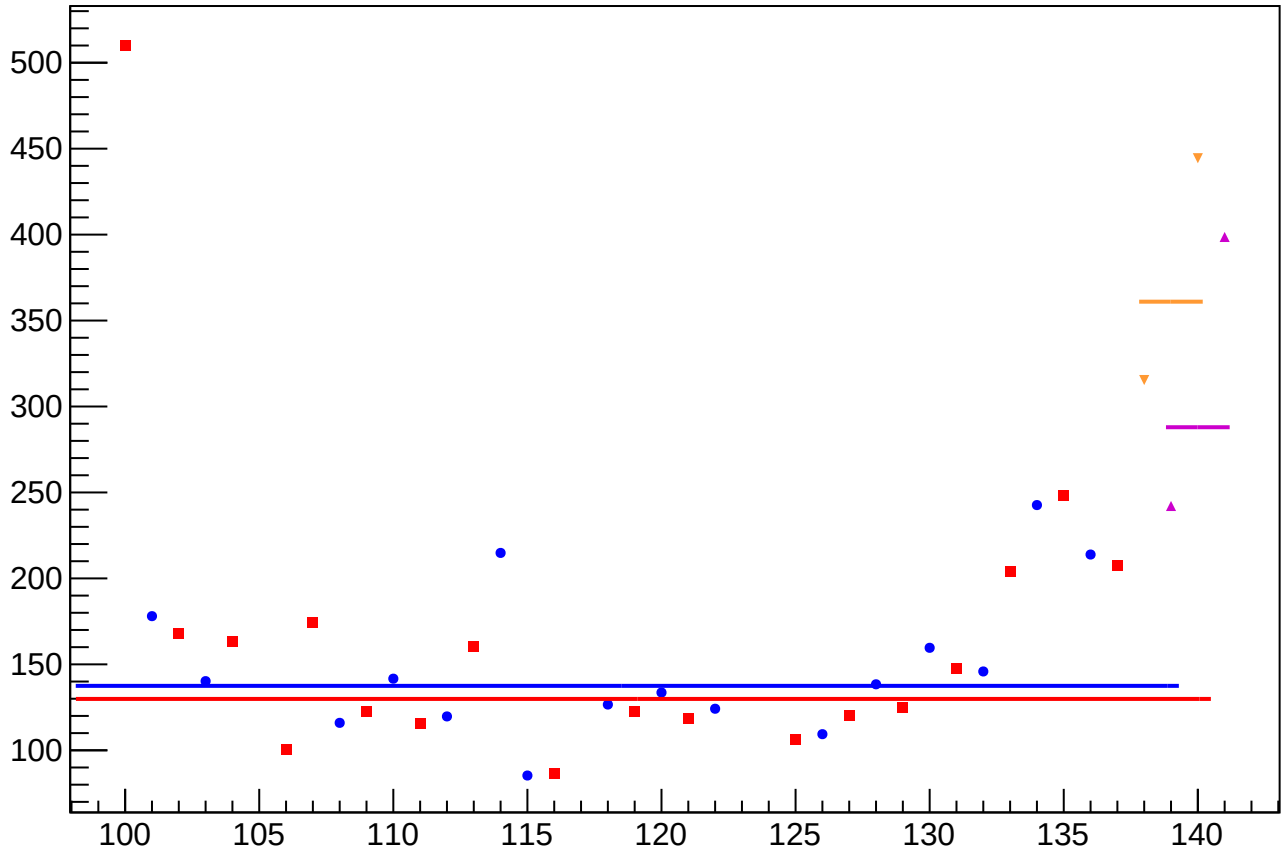
Left: -0.041+/-0.182 χ^2/NDF: 8.2/3

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.053 χ^2/NDF:22.2/17

Out: 0.057+/-0.052 χ^2/NDF:27.7/19

All: 0.013+/-0.037 χ^2/NDF: 51.4/37



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 360.986+/-0.208 χ^2/NDF:88237.4/1

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 287.945+/-0.164 χ^2/NDF:189442.9/1

Left: 315.920+/-0.129 χ^2/NDF: 354020.6/3

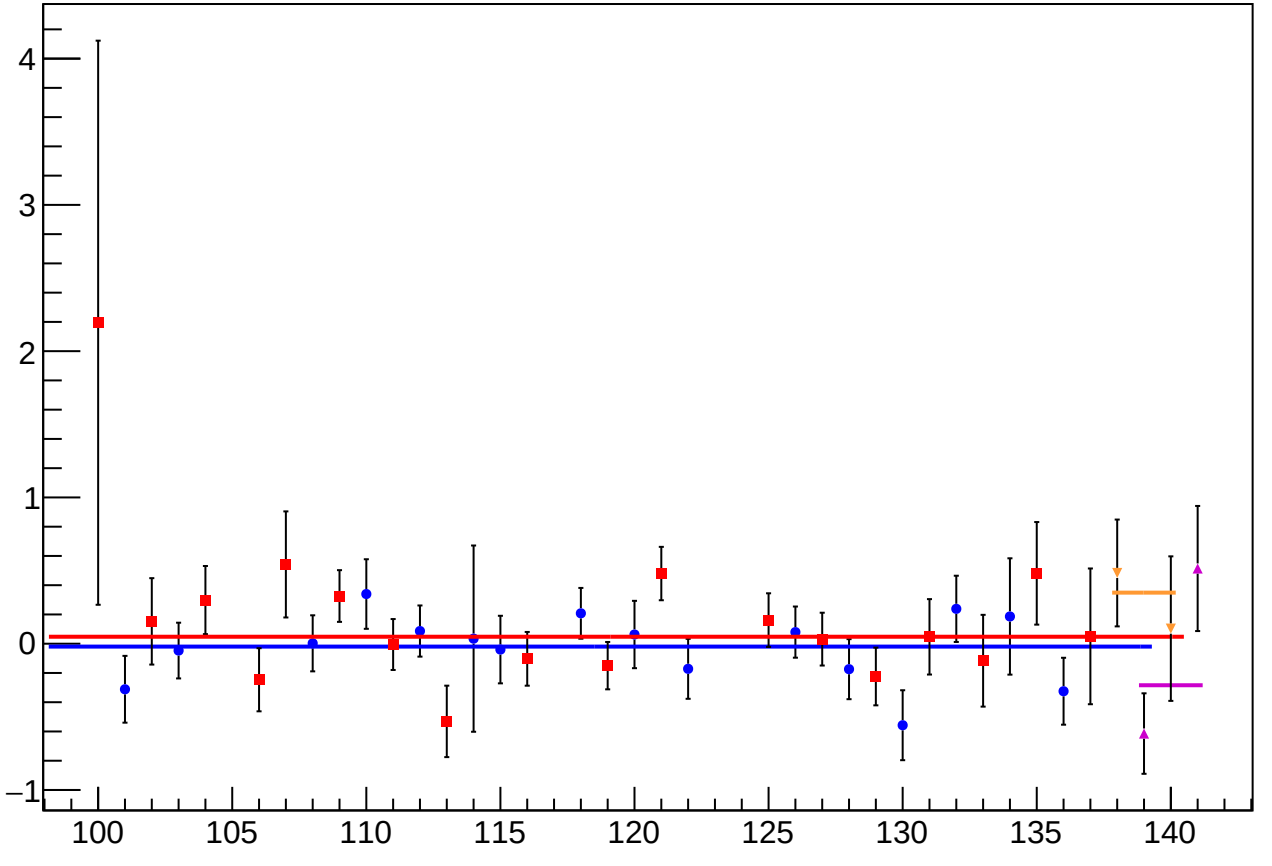
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 145.321+/-0.037 χ^2/NDF:1684086.5/17

Out: 137.043+/-0.037 χ^2/NDF:2122488.2/19

All: 141.095+/-0.026 χ^2/NDF: 3831691.1/37

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.349+/-0.294 χ^2/NDF:0.4/1

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.284+/-0.231 χ^2/NDF:4.9/1

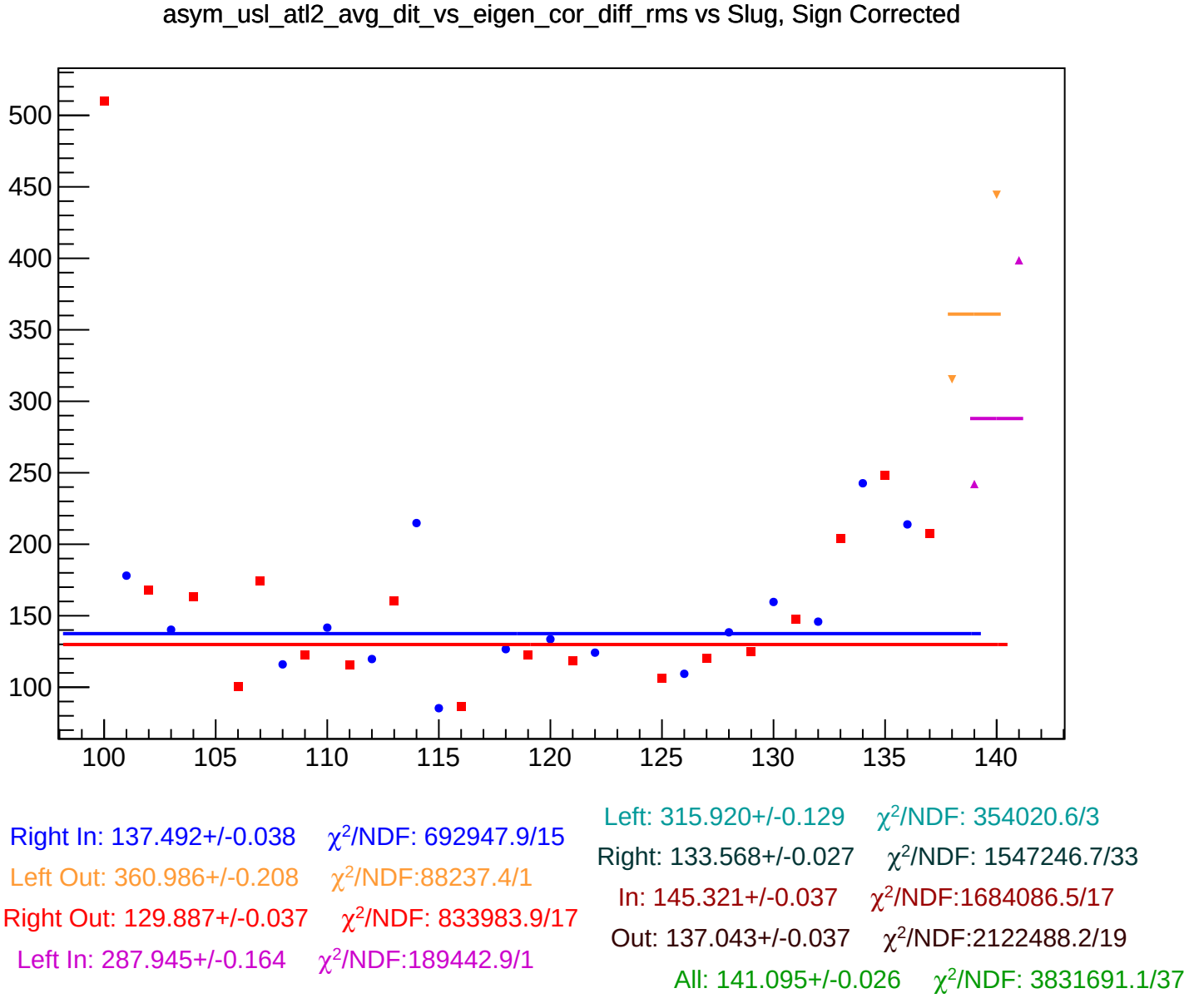
Left: -0.041+/-0.182 χ^2/NDF: 8.2/3

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.053 χ^2/NDF:22.2/17

Out: 0.057+/-0.052 χ^2/NDF:27.7/19

All: 0.013+/-0.037 χ^2/NDF: 51.4/37


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
450
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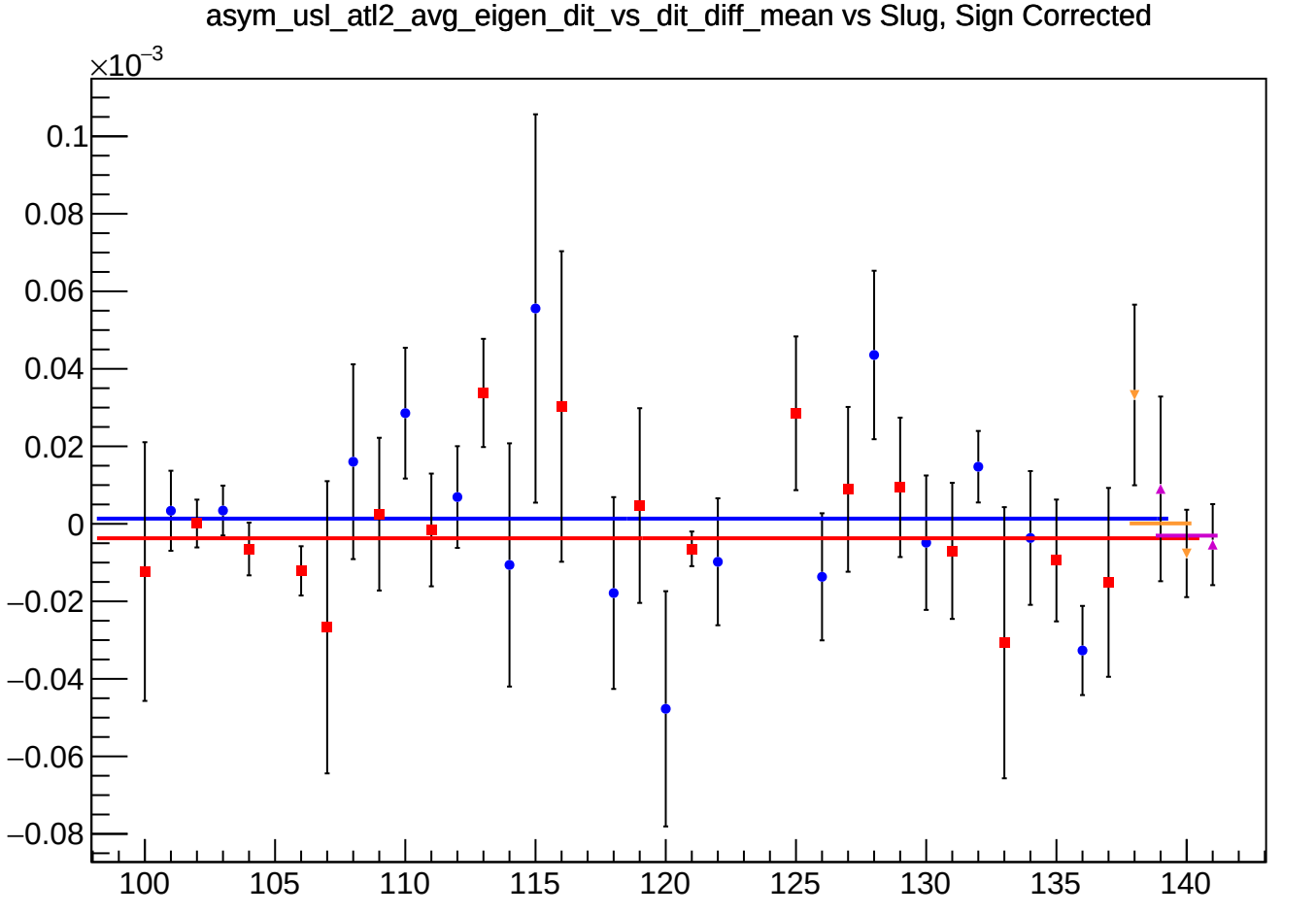
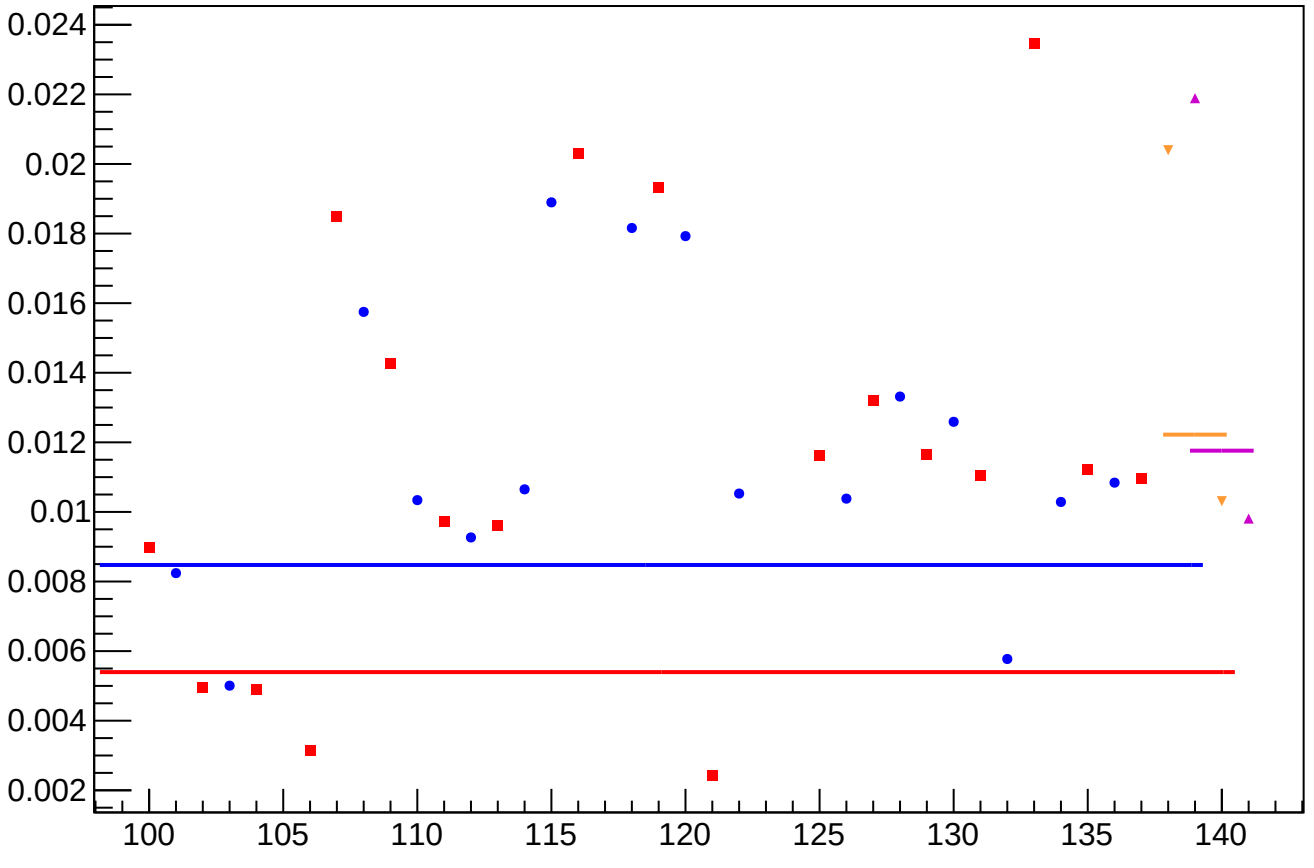
350
300
250
200
150
100
100
105
110
115
120
125
130
135
140
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 360.986+/-0.208 χ²/NDF:88237.4/1
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 287.945+/-0.164 χ²/NDF:189442.9/1
Left: 315.920+/-0.129 χ²/NDF: 354020.6/3
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 145.321+/-0.037 χ²/NDF:1684086.5/17
Out: 137.043+/-0.037 χ²/NDF:2122488.2/19
All: 141.095+/-0.026 χ²/NDF: 3831691.1/37


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2.5/1
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: -0.000+/-0.000 χ²/NDF:0.3/1
Left: -0.000+/-0.000 χ²/NDF: 2.9/3
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:24.4/17
Out: -0.000+/-0.000 χ²/NDF:18.4/19
All: -0.000+/-0.000 χ²/NDF: 44.0/37



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.012+/-0.000 χ^2/NDF:303754.5/1

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.012+/-0.000 χ^2/NDF:431261.6/1

Left: 0.012+/-0.000 χ^2/NDF: 737201.1/3

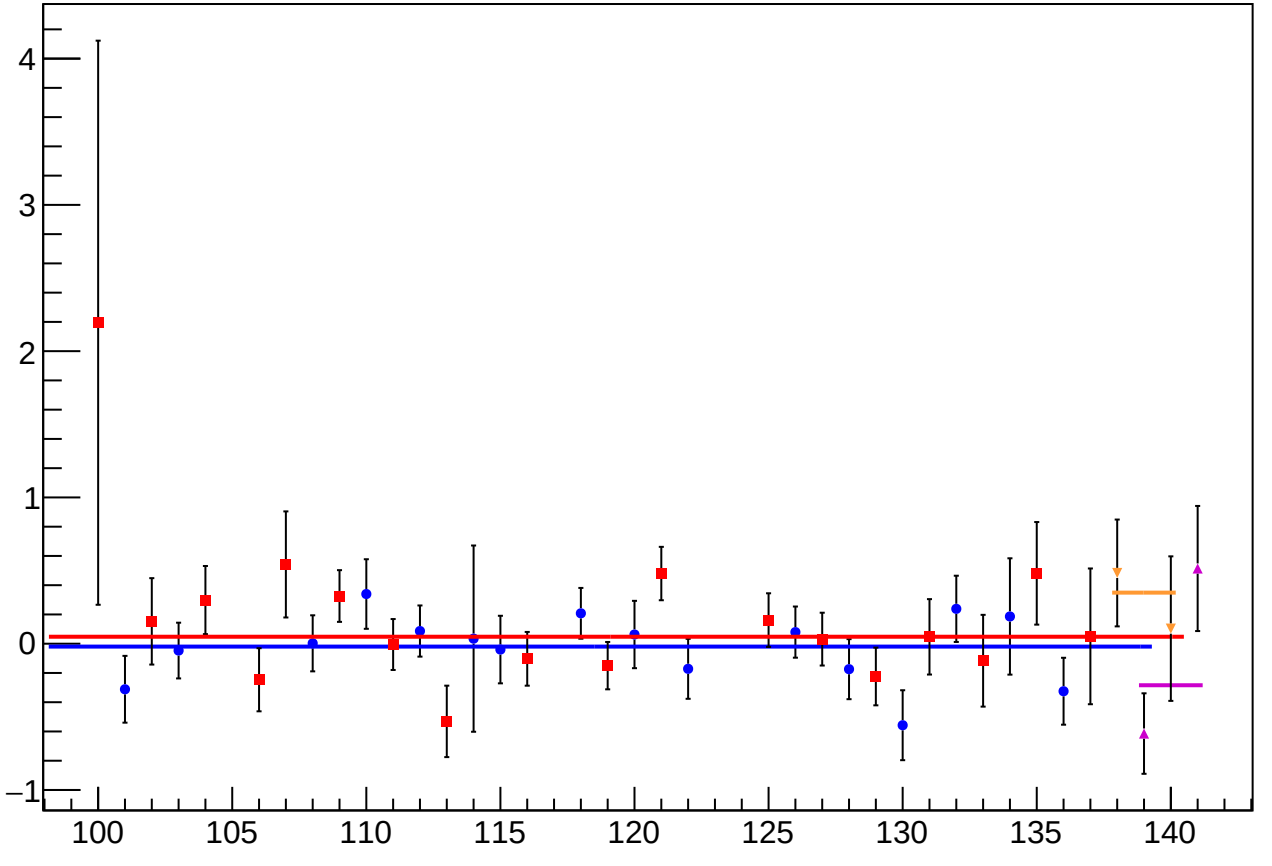
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.009+/-0.000 χ^2/NDF:2565643.3/17

Out: 0.006+/-0.000 χ^2/NDF:6064901.3/19

All: 0.007+/-0.000 χ^2/NDF: 9761283.5/37

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.349+/-0.294 χ^2/NDF:0.4/1

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.284+/-0.231 χ^2/NDF:4.9/1

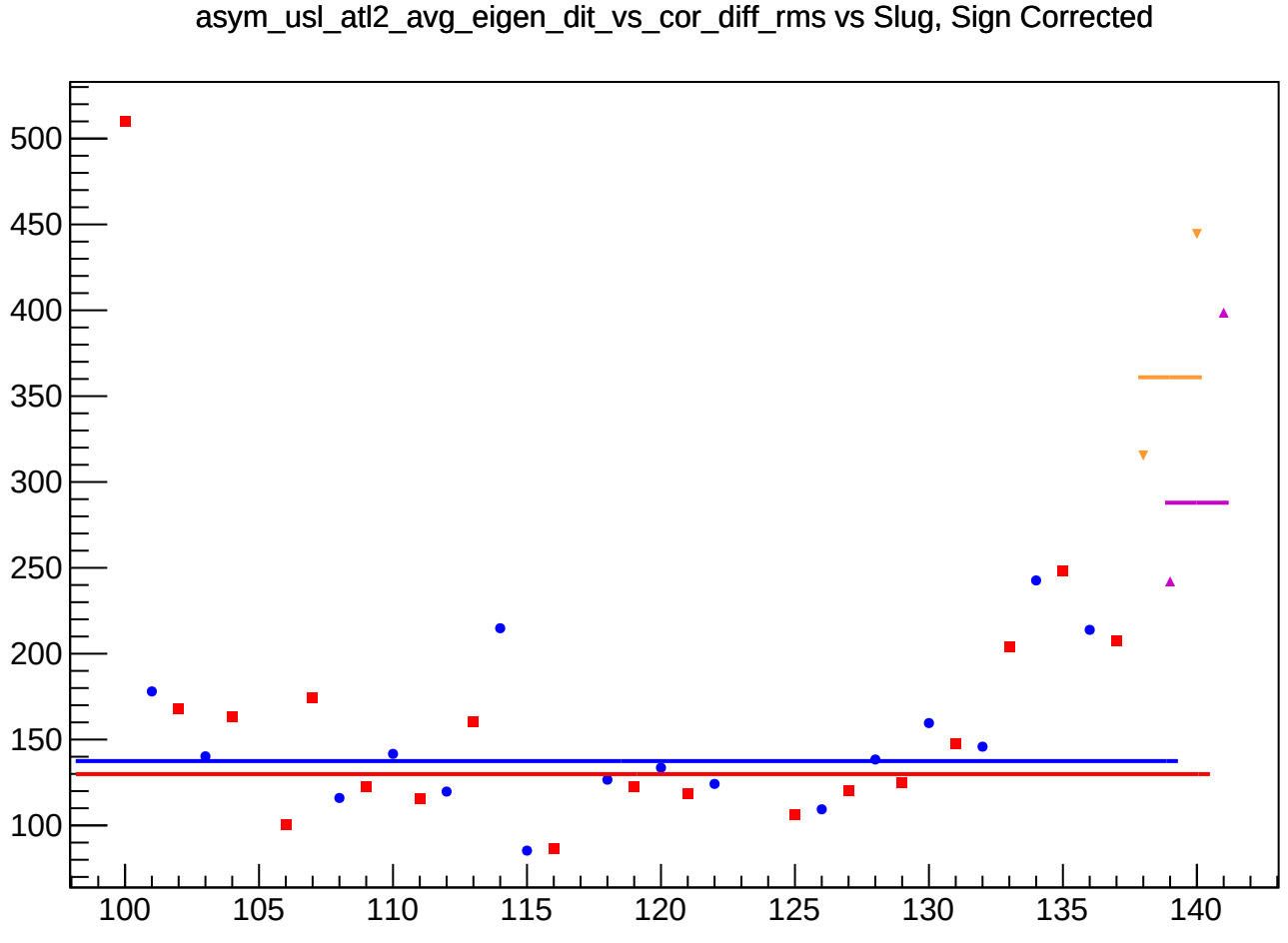
Left: -0.041+/-0.182 χ^2/NDF: 8.2/3

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.053 χ^2/NDF:22.2/17

Out: 0.057+/-0.052 χ^2/NDF:27.7/19

All: 0.013+/-0.037 χ^2/NDF: 51.4/37


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
450
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350
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250
200
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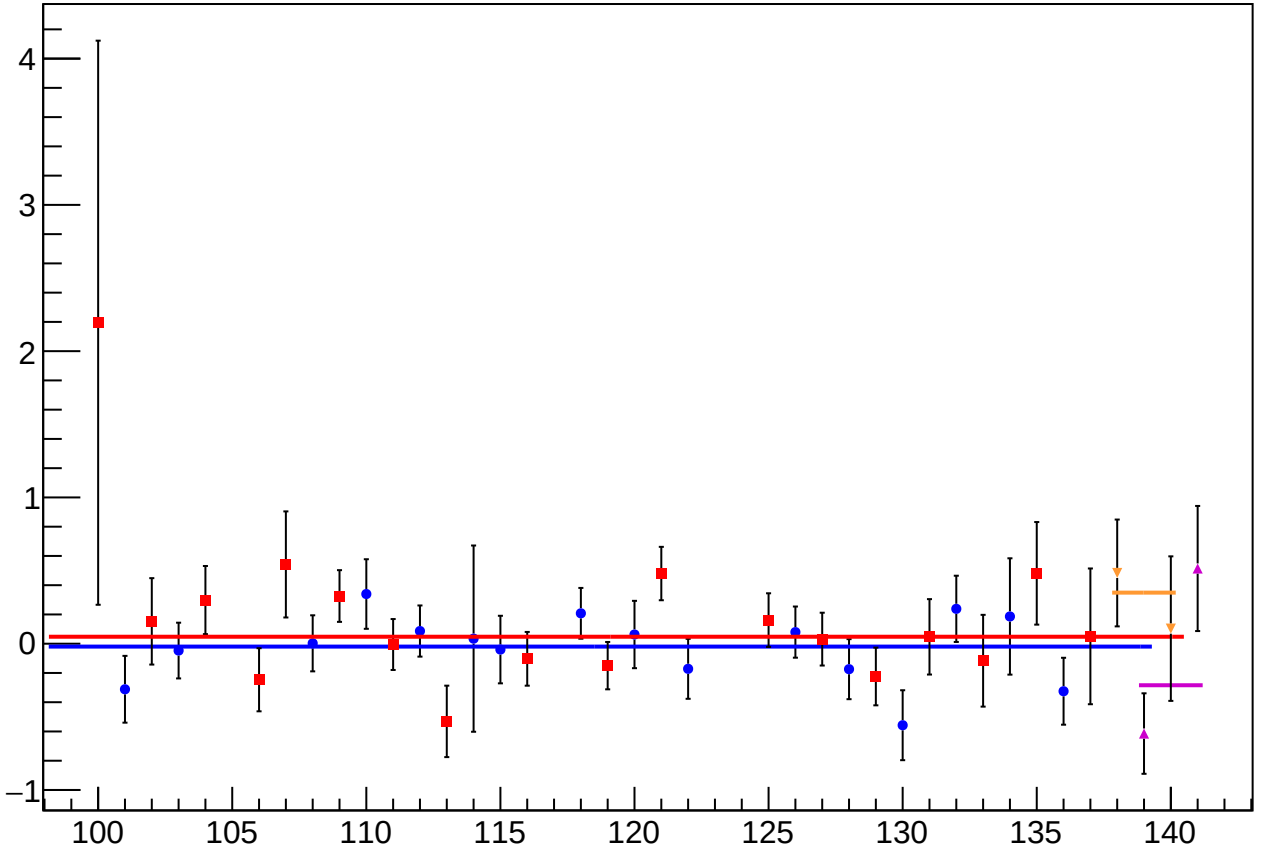
110
115
120
125
130
135
140
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 360.989+/-0.208 χ²/NDF:88241.3/1
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 287.953+/-0.164 χ²/NDF:189431.9/1
Left: 315.927+/-0.129 χ²/NDF: 354001.5/3
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 145.320+/-0.037 χ²/NDF:1684095.3/17
Out: 137.043+/-0.037 χ²/NDF:2122458.3/19
All: 141.095+/-0.026 χ²/NDF: 3831669.2/37

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.349+/-0.294 χ^2/NDF:0.4/1

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.284+/-0.231 χ^2/NDF:4.9/1

Left: -0.041+/-0.182 χ^2/NDF: 8.2/3

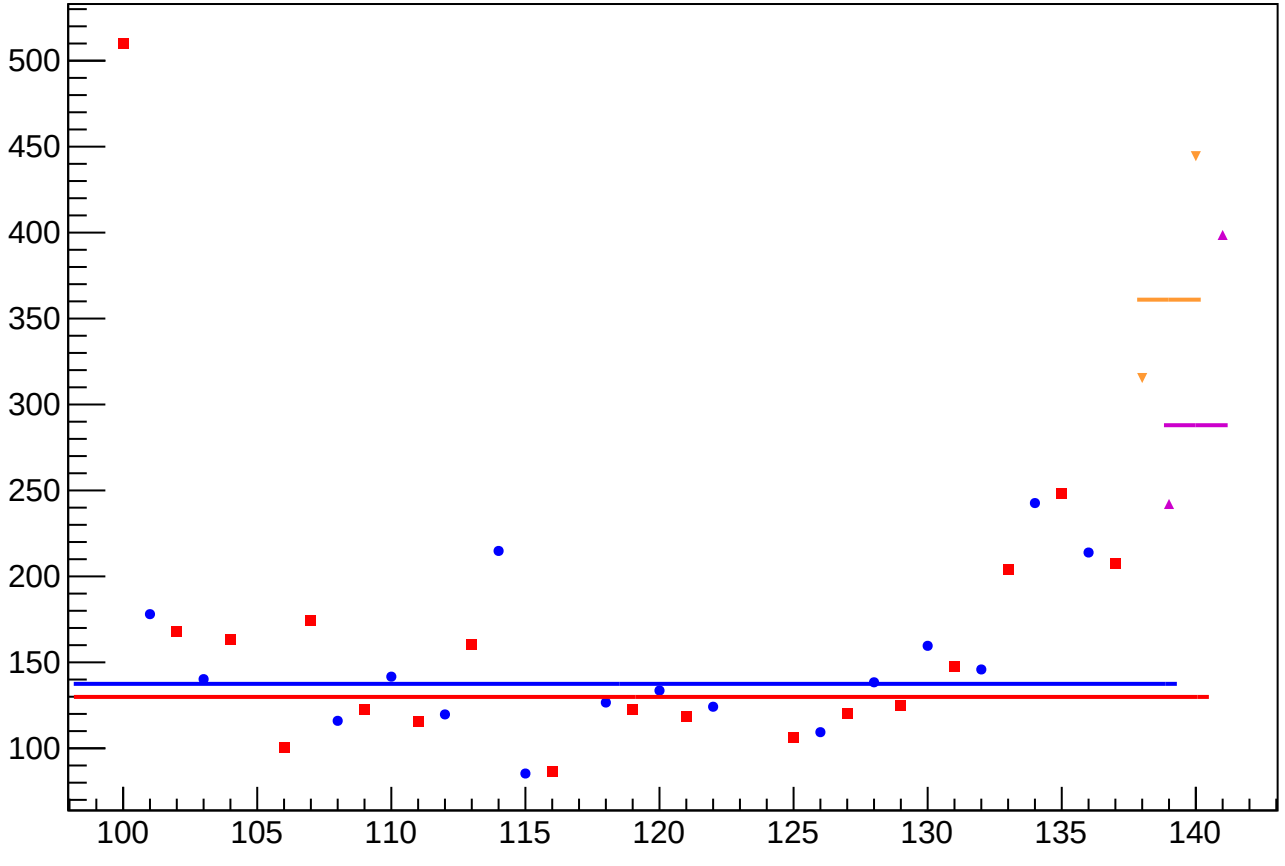
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.053 χ^2/NDF:22.2/17

Out: 0.057+/-0.052 χ^2/NDF:27.7/19

All: 0.013+/-0.037 χ^2/NDF: 51.4/37

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 360.989+/-0.208 χ^2/NDF:88241.3/1

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 287.953+/-0.164 χ^2/NDF:189431.9/1

Left: 315.927+/-0.129 χ^2/NDF: 354001.5/3

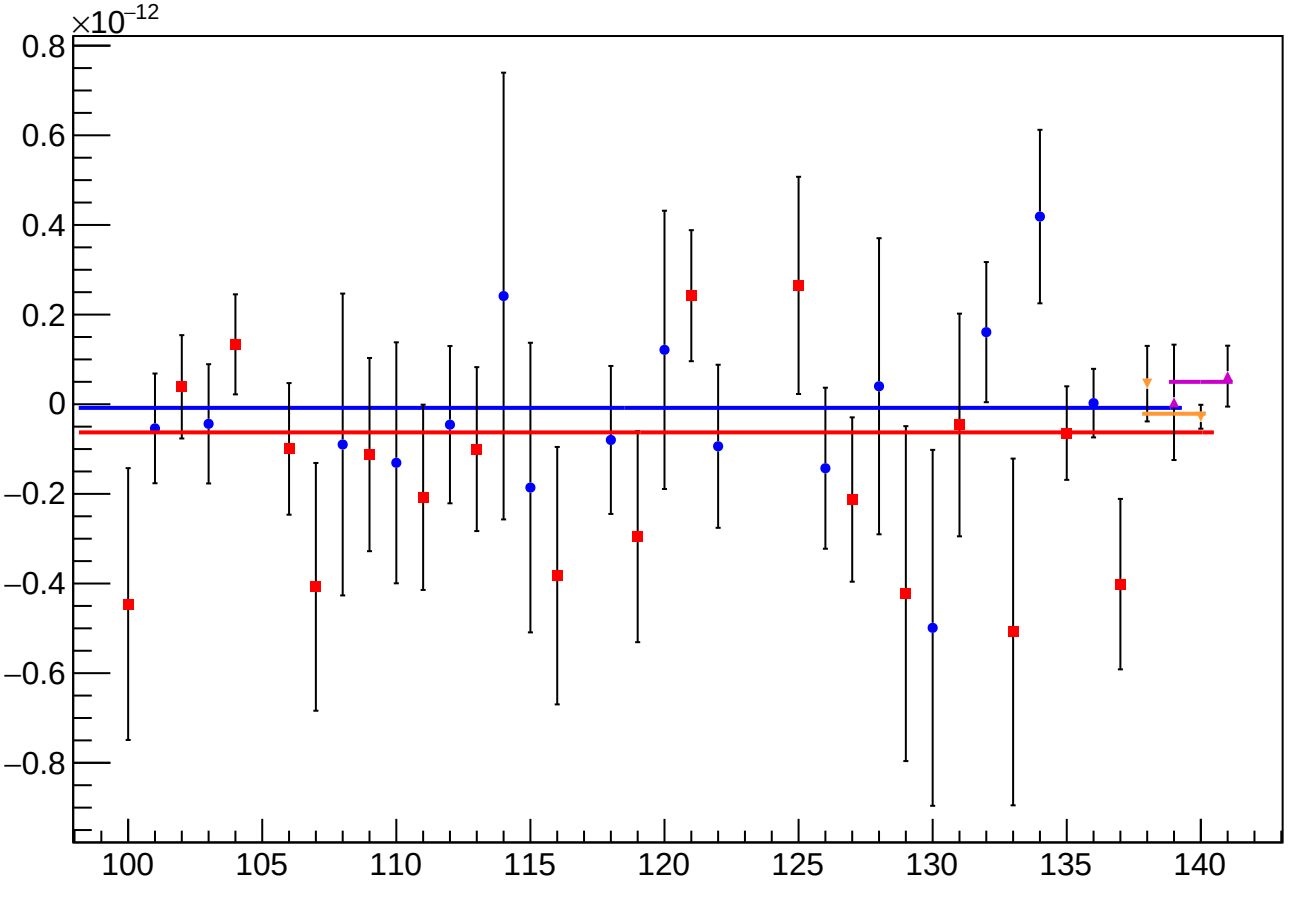
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 145.320+/-0.037 χ^2/NDF:1684095.3/17

Out: 137.043+/-0.037 χ^2/NDF:2122458.3/19

All: 141.095+/-0.026 χ^2/NDF: 3831669.2/37

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

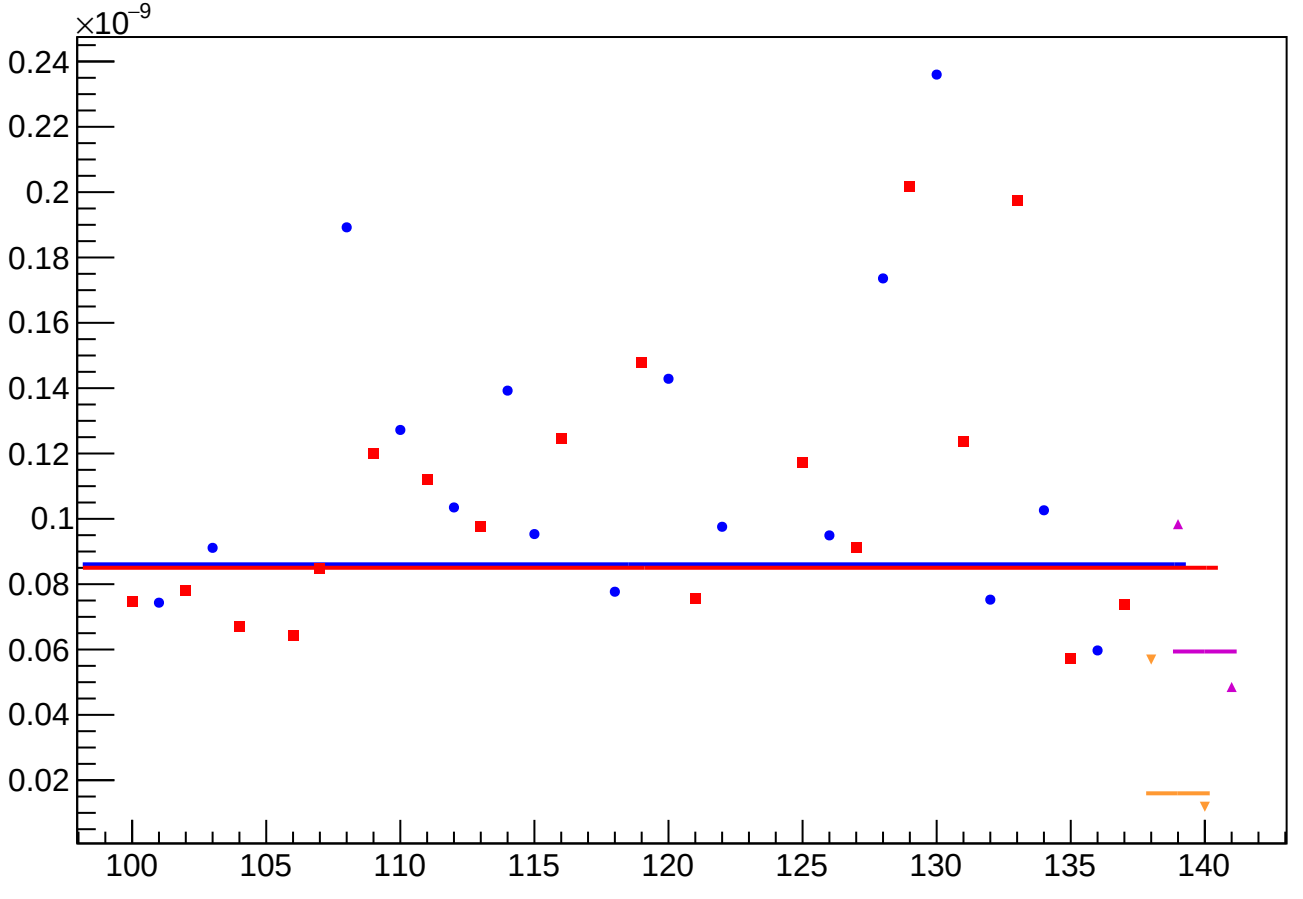
Left: -0.000+/-0.000 χ^2/NDF: 2.0/3

Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: 0.000+/-0.000 χ^2/NDF:10.6/17

Out: -0.000+/-0.000 χ^2/NDF:23.6/19

All: -0.000+/-0.000 χ^2/NDF: 35.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:519731.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:234584.5/1

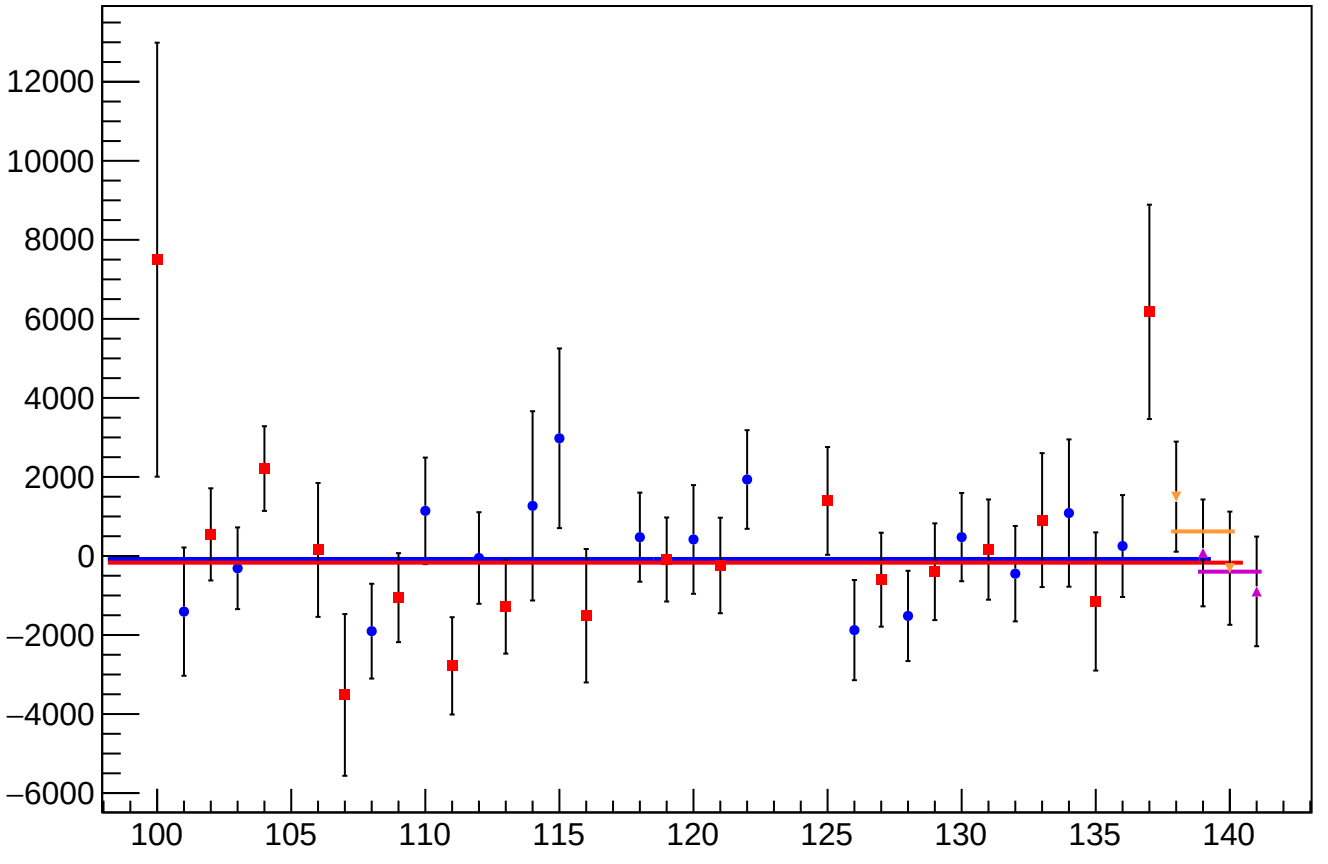
Left: 0.000+/-0.000 χ^2/NDF: 1639561.5/3

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:1569606.5/17

Out: 0.000+/-0.000 χ^2/NDF:5493882.8/19

All: 0.000+/-0.000 χ^2/NDF: 9221269.5/37



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 620.759+/-998.400 χ^2/NDF:0.8/1

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -396.916+/-968.181 χ^2/NDF:0.3/1

Left: 96.287+/-695.045 χ^2/NDF: 1.6/3

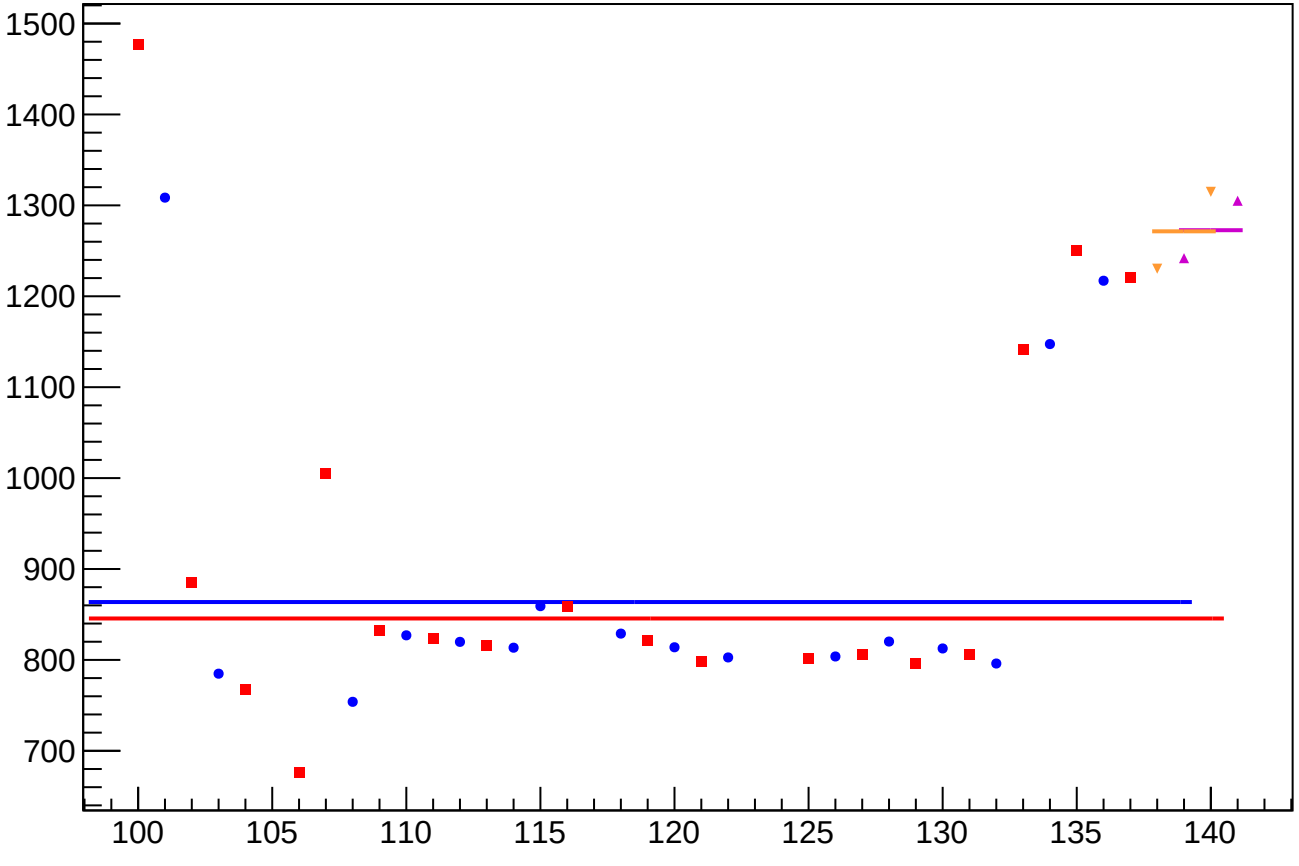
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -108.670+/-309.149 χ^2/NDF:13.7/17

Out: -94.977+/-306.307 χ^2/NDF:25.8/19

All: -101.760+/-217.589 χ^2/NDF: 39.5/37

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1271.438+/-0.706 χ^2/NDF:3583.2/1

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1272.683+/-0.685 χ^2/NDF:2127.1/1

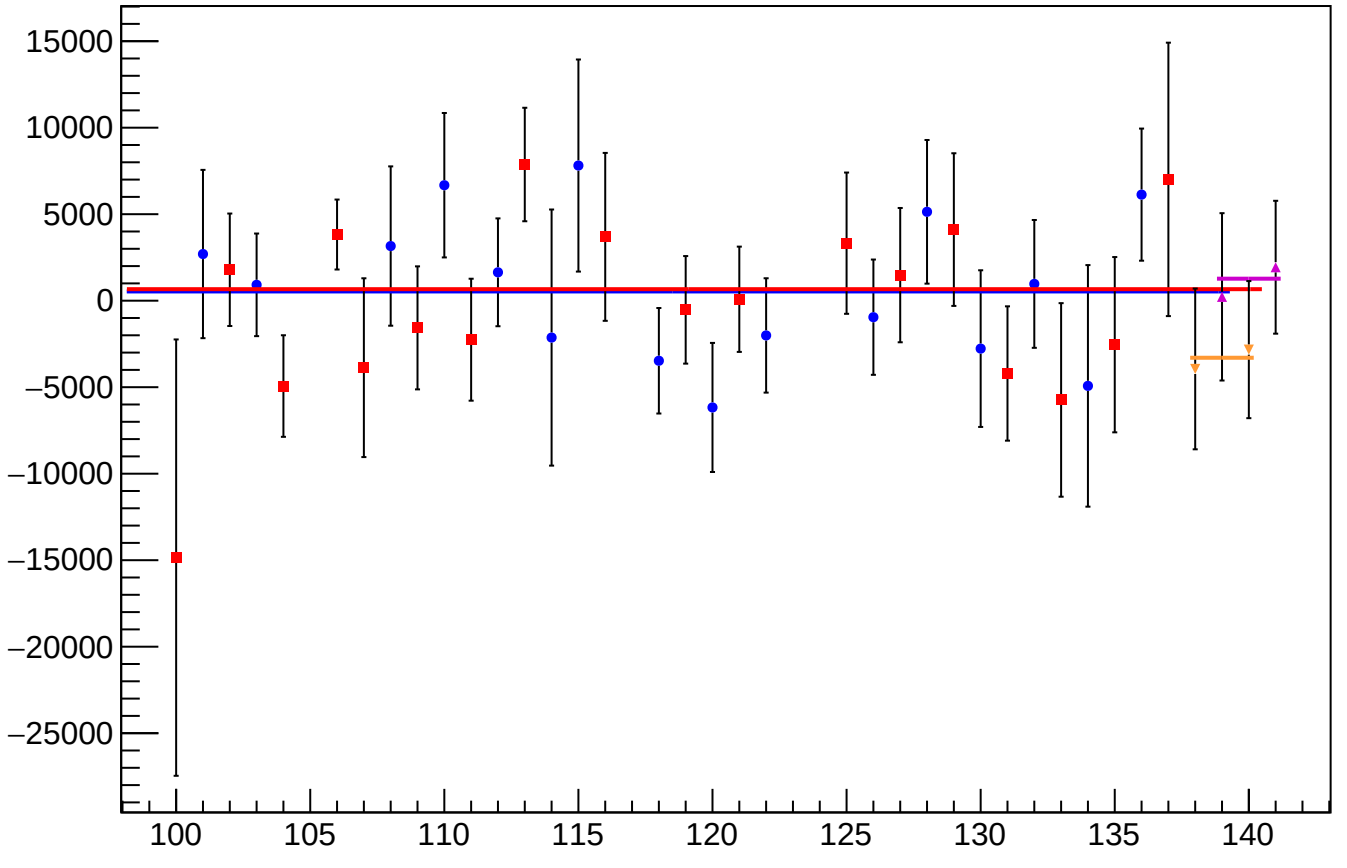
Left: 1272.080+/-0.491 χ^2/NDF: 5711.9/3

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 905.365+/-0.219 χ^2/NDF:730184.2/17

Out: 884.769+/-0.214 χ^2/NDF:641747.0/19

All: 894.855+/-0.153 χ^2/NDF: 1376460.7/37



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -3298.368+/-3014.581 χ^2/NDF:0.0/1

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: 1272.122+/-3007.420 χ^2/NDF:0.1/1

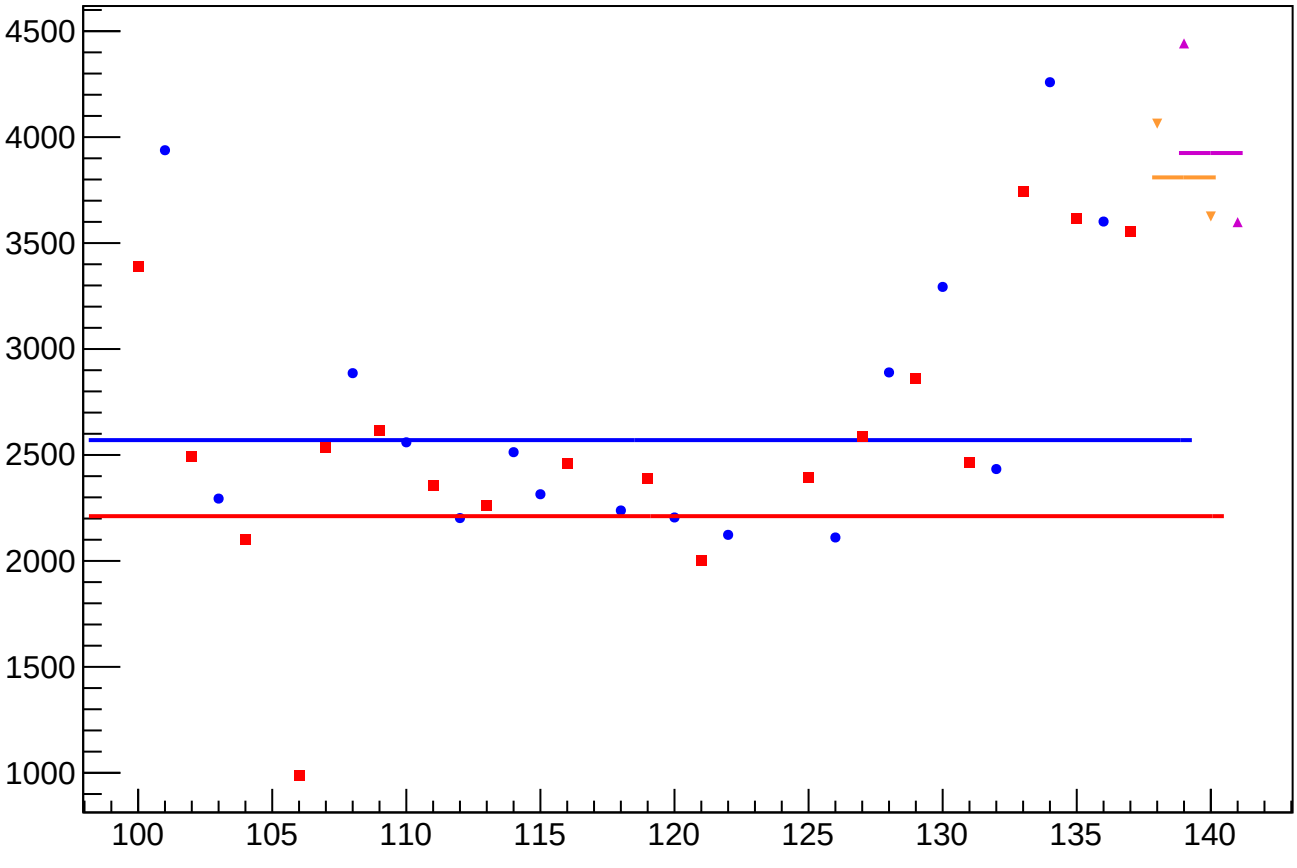
Left: -1007.688+/-2129.094 χ^2/NDF: 1.3/3

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 605.481+/-932.886 χ^2/NDF:14.8/17

Out: 364.335+/-831.422 χ^2/NDF:21.6/19

All: 471.086+/-620.689 χ^2/NDF: 36.4/37



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3809.959+/-2.132 χ^2/NDF:10297.4/1

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3924.953+/-2.127 χ^2/NDF:37314.7/1

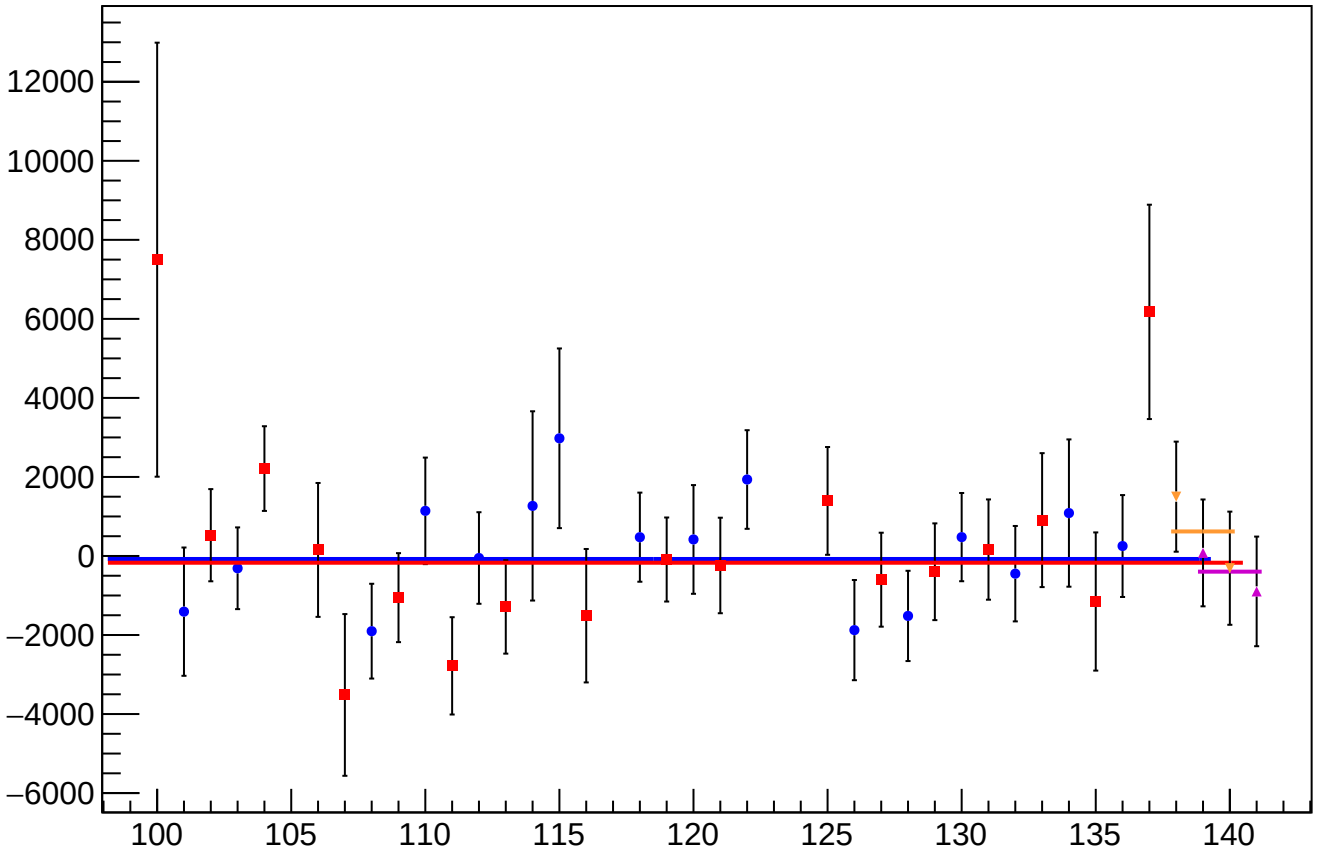
Left: 3867.592+/-1.505 χ^2/NDF: 49070.7/3

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2700.496+/-0.660 χ^2/NDF:1066623.5/17

Out: 2332.875+/-0.588 χ^2/NDF:1794076.4/19

All: 2495.614+/-0.439 χ^2/NDF: 3033792.8/37



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 620.703+/-998.400 χ^2/NDF:0.8/1

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -396.815+/-968.181 χ^2/NDF:0.3/1

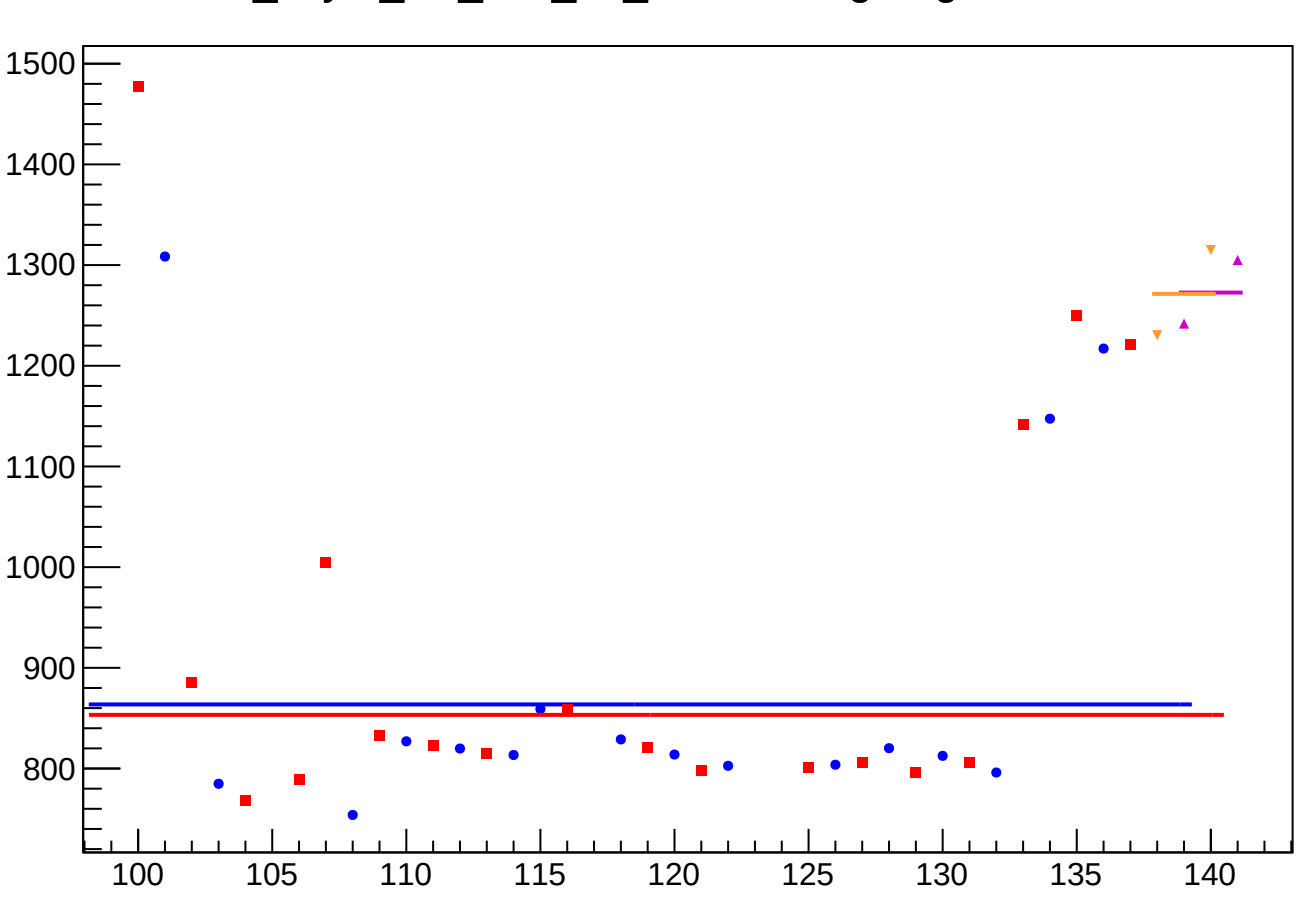
Left: 96.312+/-695.045 χ^2/NDF: 1.6/3

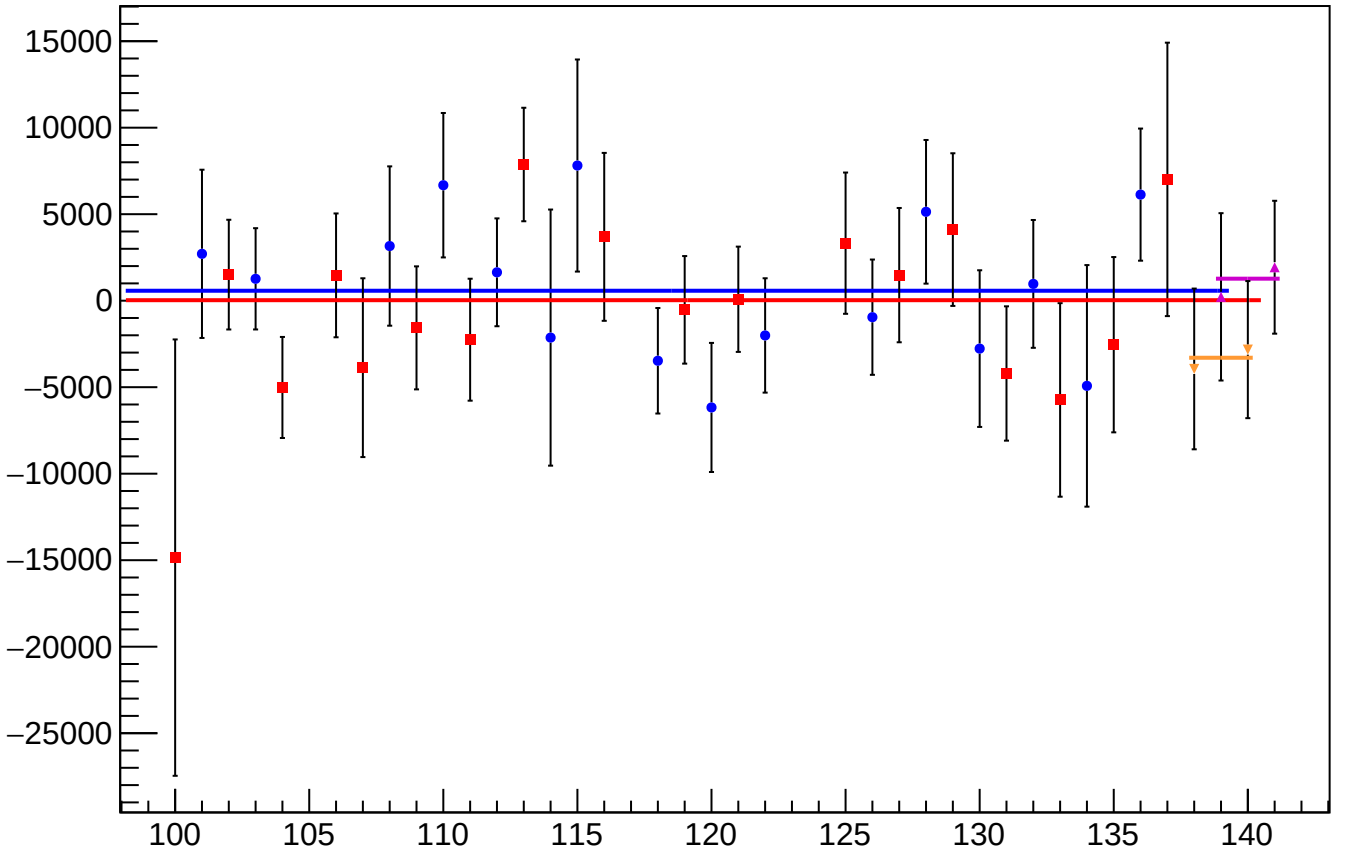
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -108.730+/-309.149 χ^2/NDF:13.7/17

Out: -96.463+/-306.311 χ^2/NDF:25.7/19

All: -102.540+/-217.591 χ^2/NDF: 39.4/37


cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected
1500
1400
1300
1200
1100
1000
900
800
100
105
110
115
120
125
130
135
140
Right In: 863.661+/-0.231 χ²/NDF: 407498.5/15
Left Out: 1271.438+/-0.706 χ²/NDF:3583.2/1
Right Out: 853.289+/-0.226 χ²/NDF: 275357.1/17
Left In: 1272.683+/-0.685 χ²/NDF:2127.1/1
Left: 1272.080+/-0.491 χ²/NDF: 5711.9/3
Right: 858.378+/-0.162 χ²/NDF: 683885.4/33
In: 905.364+/-0.219 χ²/NDF:730184.0/17
Out: 892.281+/-0.216 χ²/NDF:597044.9/19
All: 898.732+/-0.153 χ²/NDF: 1329044.9/37



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3298.530+/-3014.579 χ^2/NDF:0.0/1

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 1272.185+/-3007.418 χ^2/NDF:0.1/1

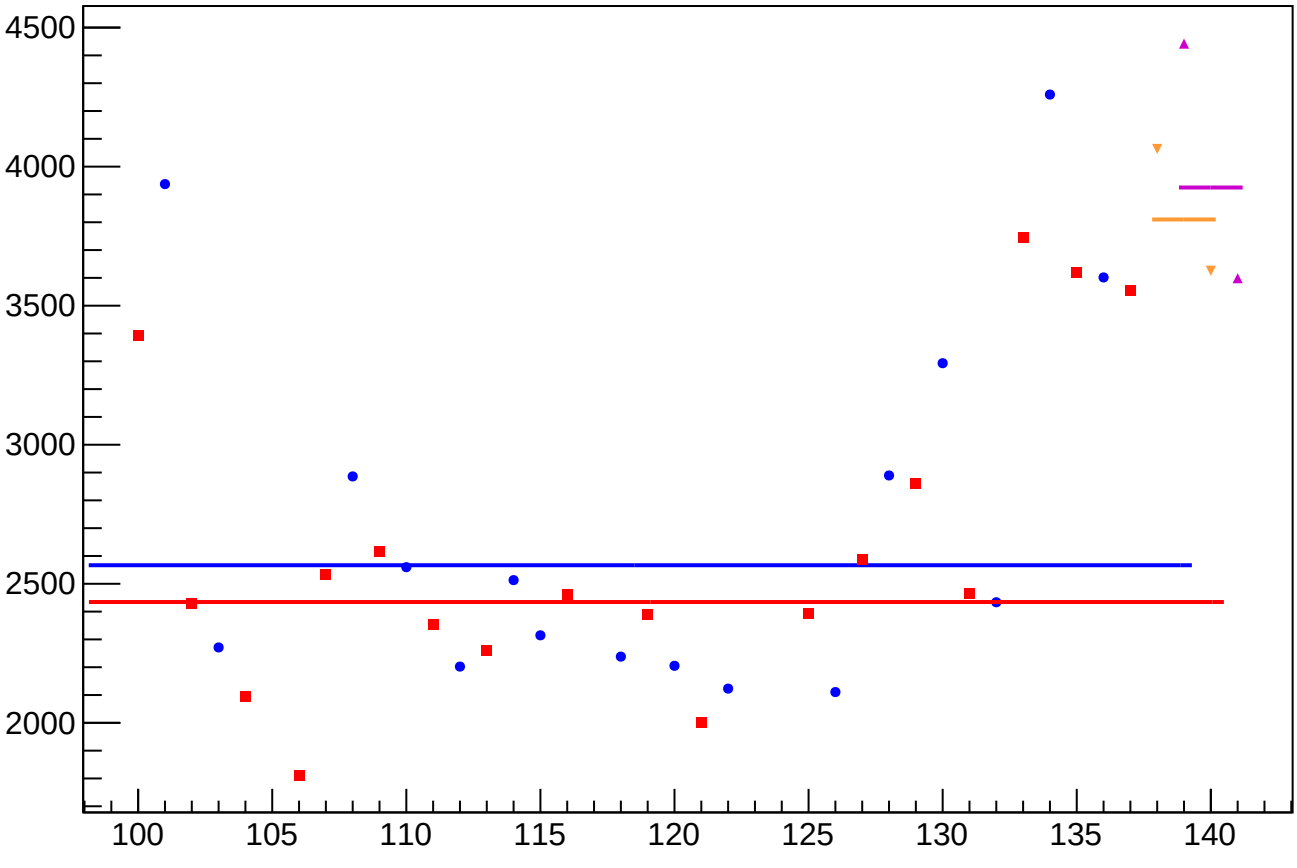
Left: -1007.737+/-2129.093 χ^2/NDF: 1.3/3

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 641.874+/-931.654 χ^2/NDF:14.8/17

Out: -256.066+/-881.785 χ^2/NDF:18.4/19

All: 168.229+/-640.420 χ^2/NDF: 33.7/37



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3809.956+/-2.132 χ^2/NDF:10297.5/1

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3924.949+/-2.127 χ^2/NDF:37314.3/1

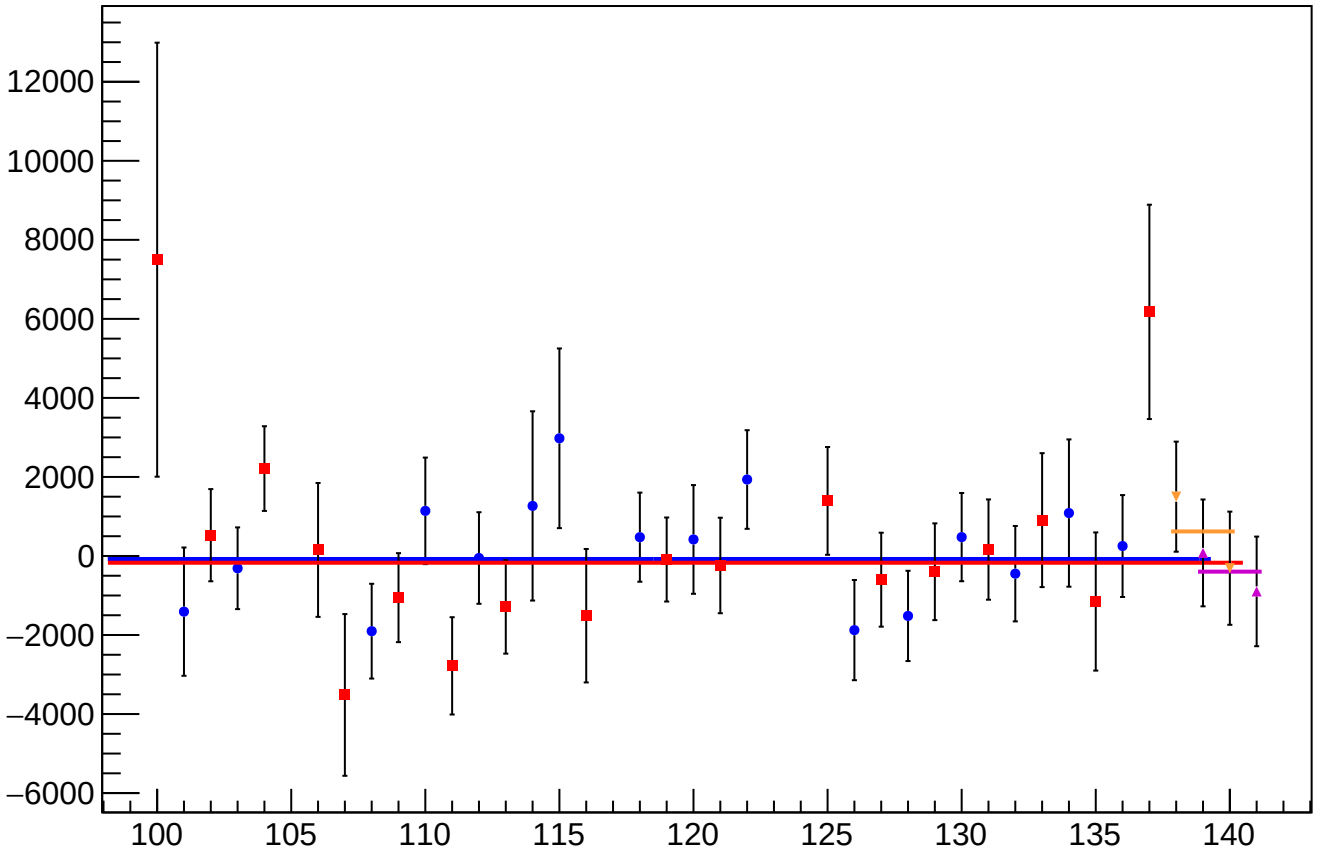
Left: 3867.589+/-1.505 χ^2/NDF: 49070.3/3

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2697.076+/-0.659 χ^2/NDF:1071964.0/17

Out: 2552.120+/-0.624 χ^2/NDF:825151.8/19

All: 2620.615+/-0.453 χ^2/NDF: 1922654.4/37



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 620.703+/-998.400 χ^2/NDF:0.8/1

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -396.815+/-968.181 χ^2/NDF:0.3/1

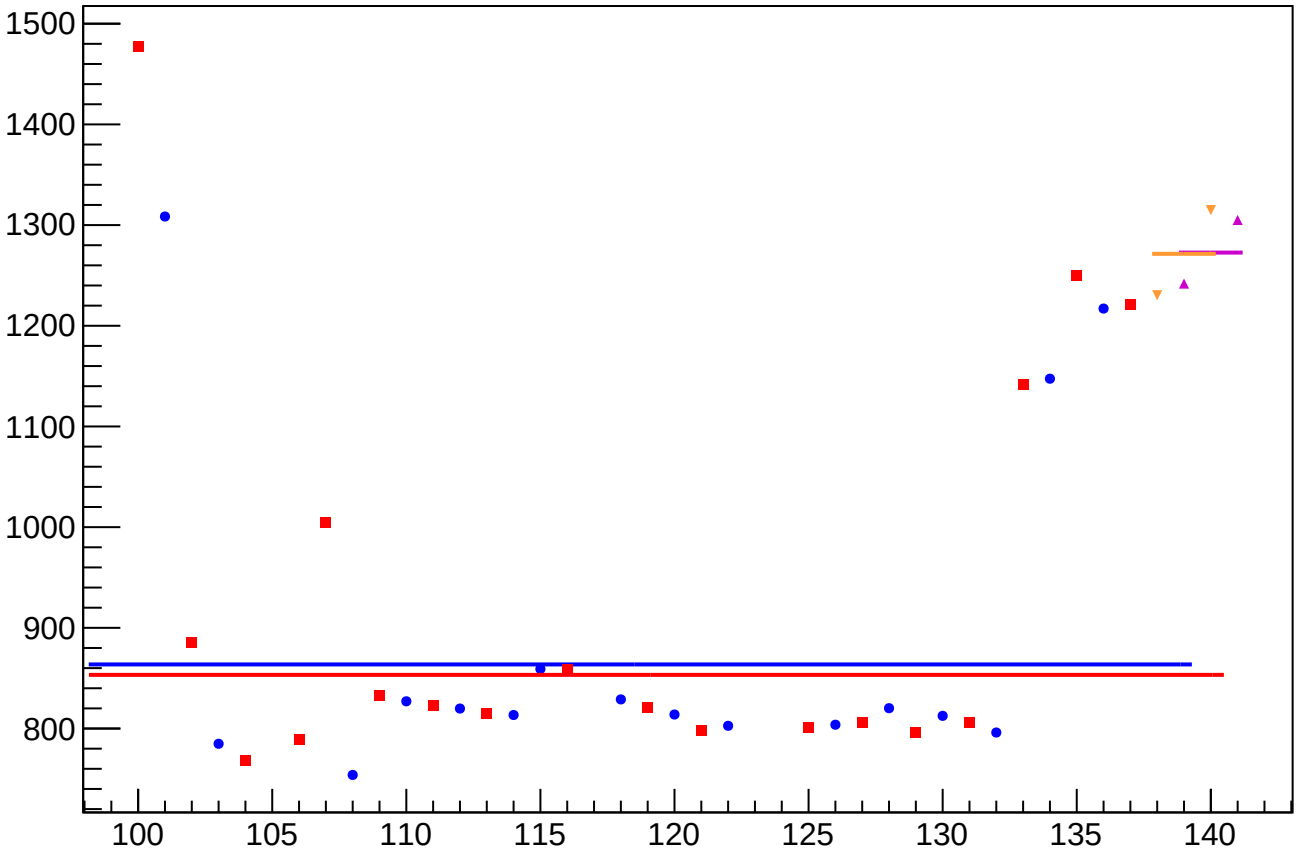
Left: 96.312+/-695.045 χ^2/NDF: 1.6/3

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -108.730+/-309.149 χ^2/NDF:13.7/17

Out: -96.463+/-306.311 χ^2/NDF:25.7/19

All: -102.540+/-217.591 χ^2/NDF: 39.4/37



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1271.438+/-0.706 χ^2/NDF:3583.2/1

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1272.683+/-0.685 χ^2/NDF:2127.1/1

Left: 1272.080+/-0.491 χ^2/NDF: 5711.9/3

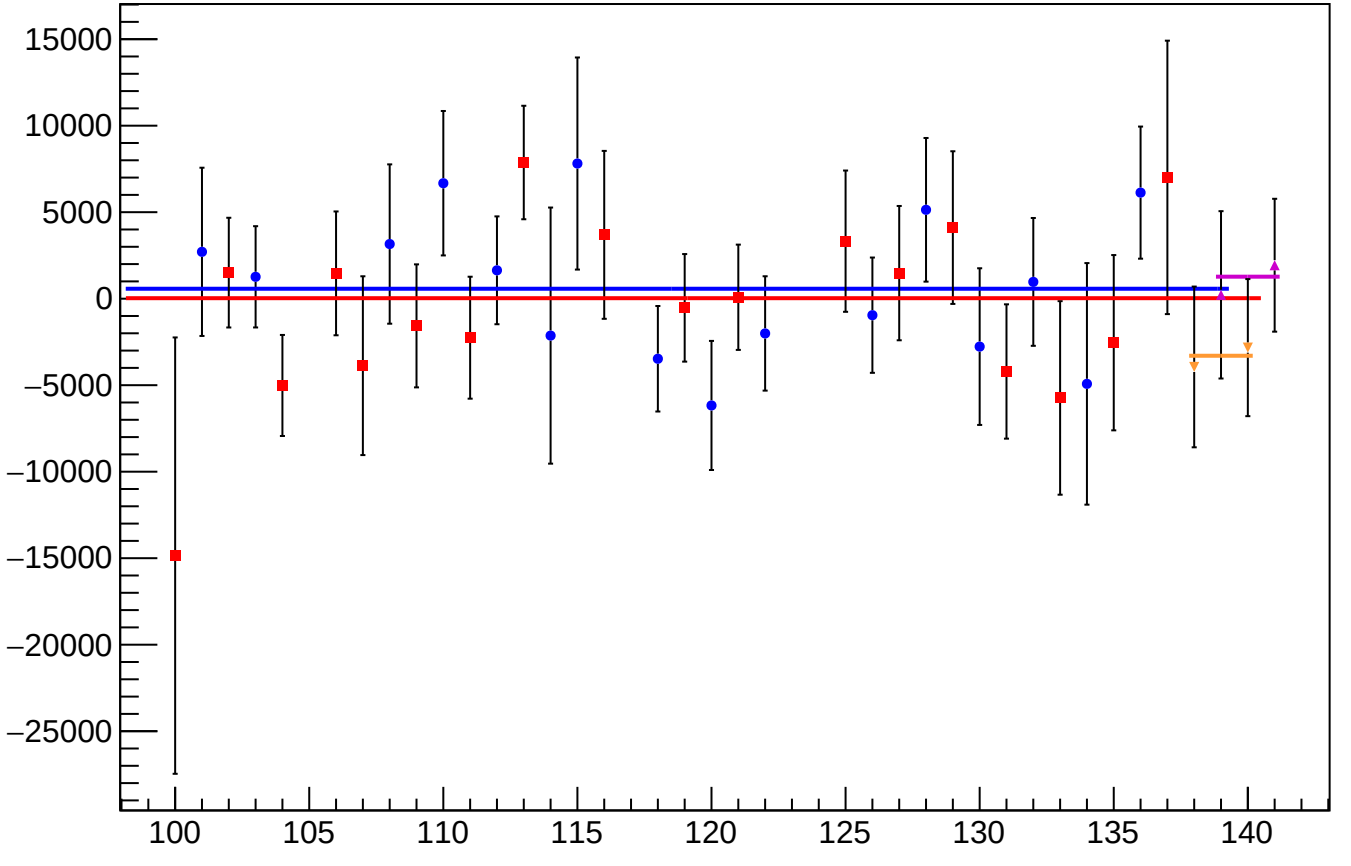
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 905.364+/-0.219 χ^2/NDF:730184.0/17

Out: 892.281+/-0.216 χ^2/NDF:597044.9/19

All: 898.732+/-0.153 χ^2/NDF: 1329044.9/37

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3298.530+/-3014.579 χ^2/NDF:0.0/1

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 1272.185+/-3007.418 χ^2/NDF:0.1/1

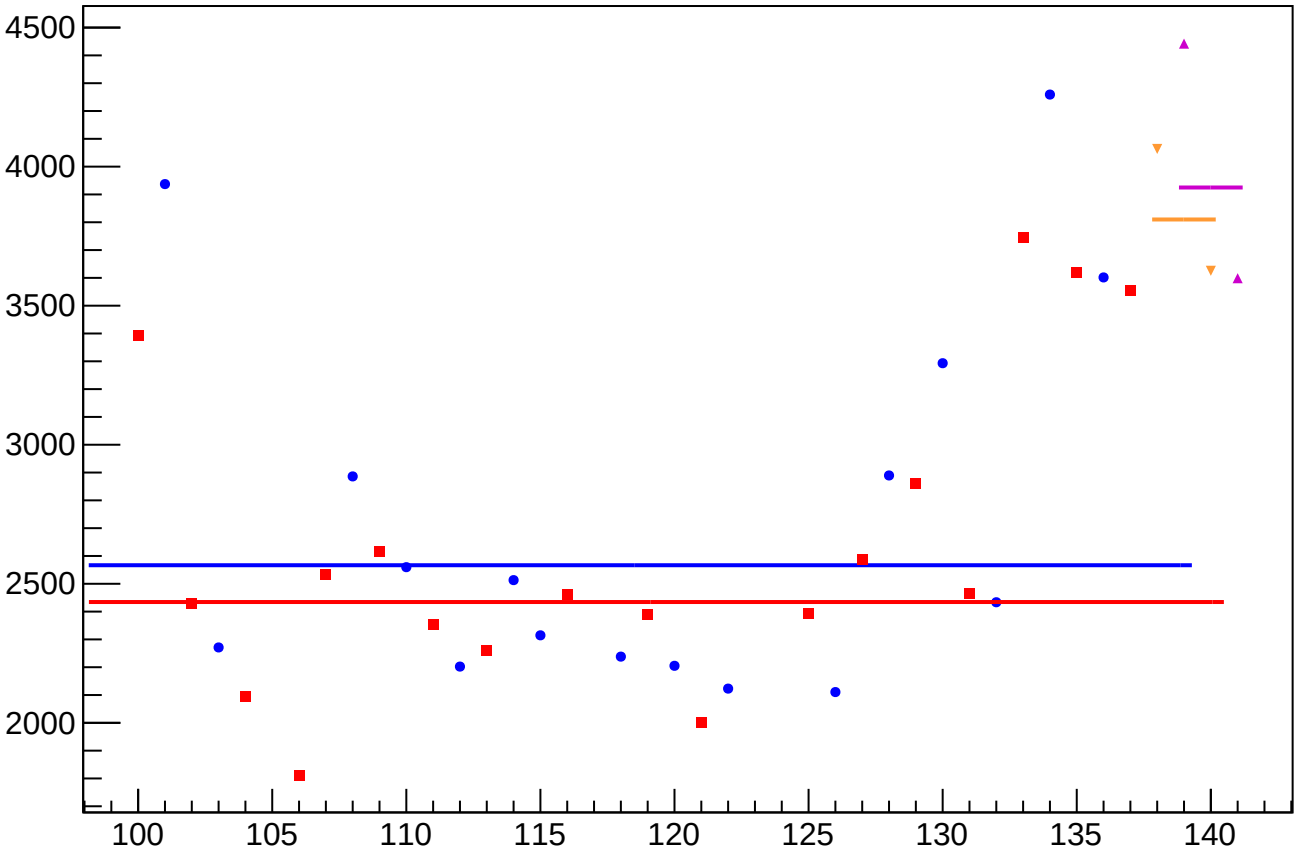
Left: -1007.737+/-2129.093 χ^2/NDF: 1.3/3

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 641.874+/-931.654 χ^2/NDF:14.8/17

Out: -256.066+/-881.785 χ^2/NDF:18.4/19

All: 168.229+/-640.420 χ^2/NDF: 33.7/37



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3809.956+/-2.132 χ^2/NDF:10297.5/1

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3924.949+/-2.127 χ^2/NDF:37314.3/1

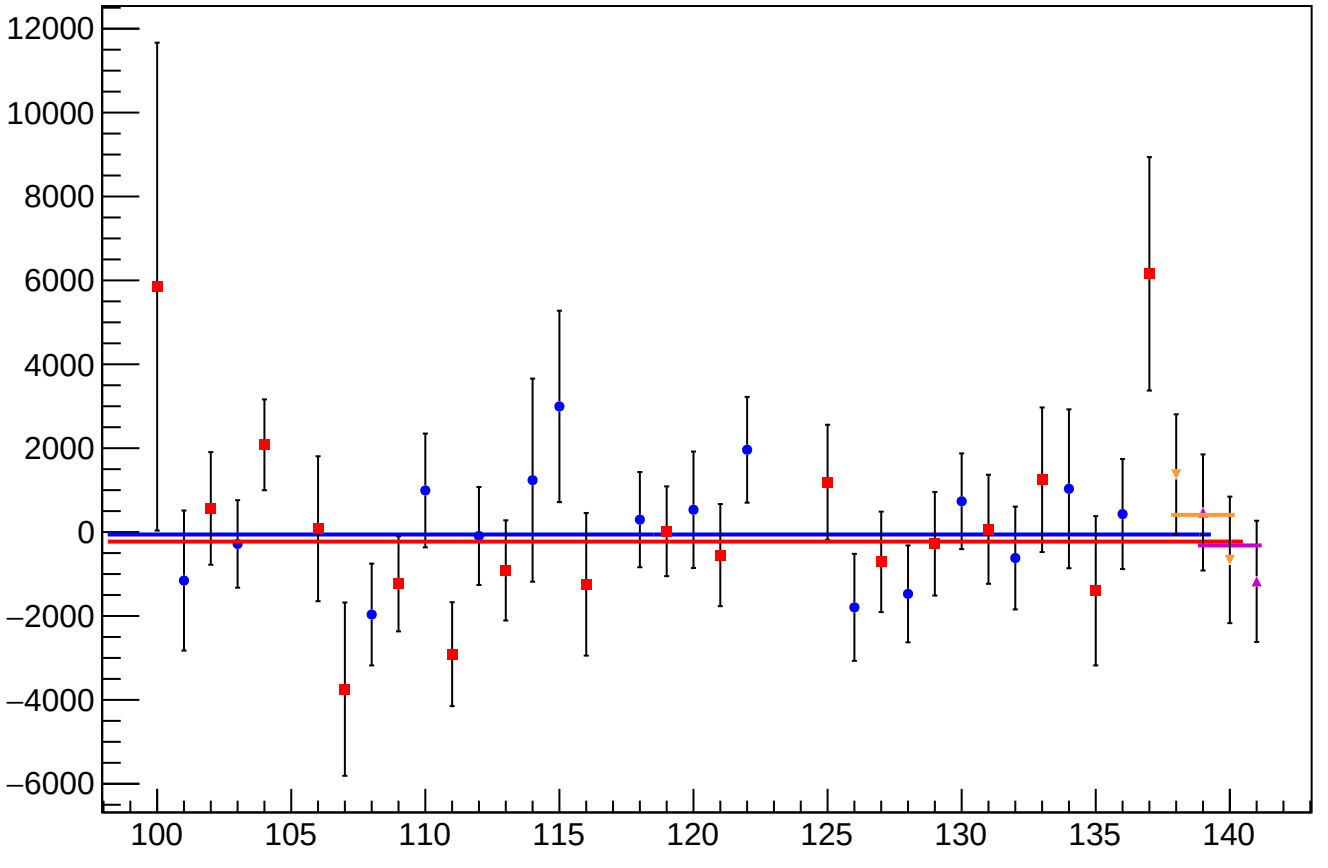
Left: 3867.589+/-1.505 χ^2/NDF: 49070.3/3

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2697.076+/-0.659 χ^2/NDF:1071964.0/17

Out: 2552.120+/-0.624 χ^2/NDF:825151.8/19

All: 2620.615+/-0.453 χ^2/NDF: 1922654.4/37



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 410.512+/-1038.182 χ^2/NDF:1.0/1

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -318.081+/-999.569 χ^2/NDF:0.7/1

Left: 32.415+/-720.066 χ^2/NDF: 1.9/3

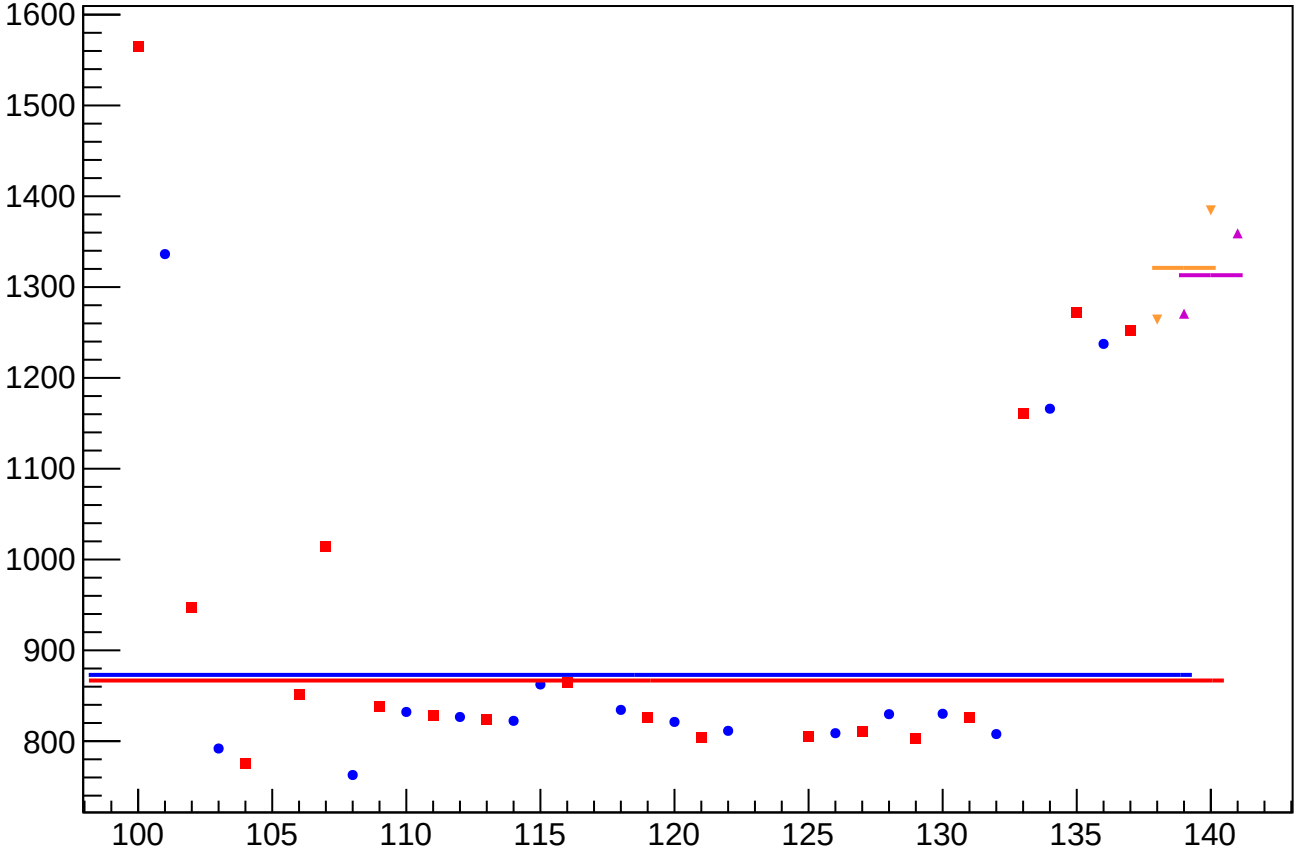
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -82.859+/-313.439 χ^2/NDF:13.7/17

Out: -168.278+/-312.821 χ^2/NDF:24.2/19

All: -125.653+/-221.416 χ^2/NDF: 38.0/37

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1321.165+/-0.734 χ^2/NDF:6696.6/1

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1313.081+/-0.707 χ^2/NDF:3911.4/1

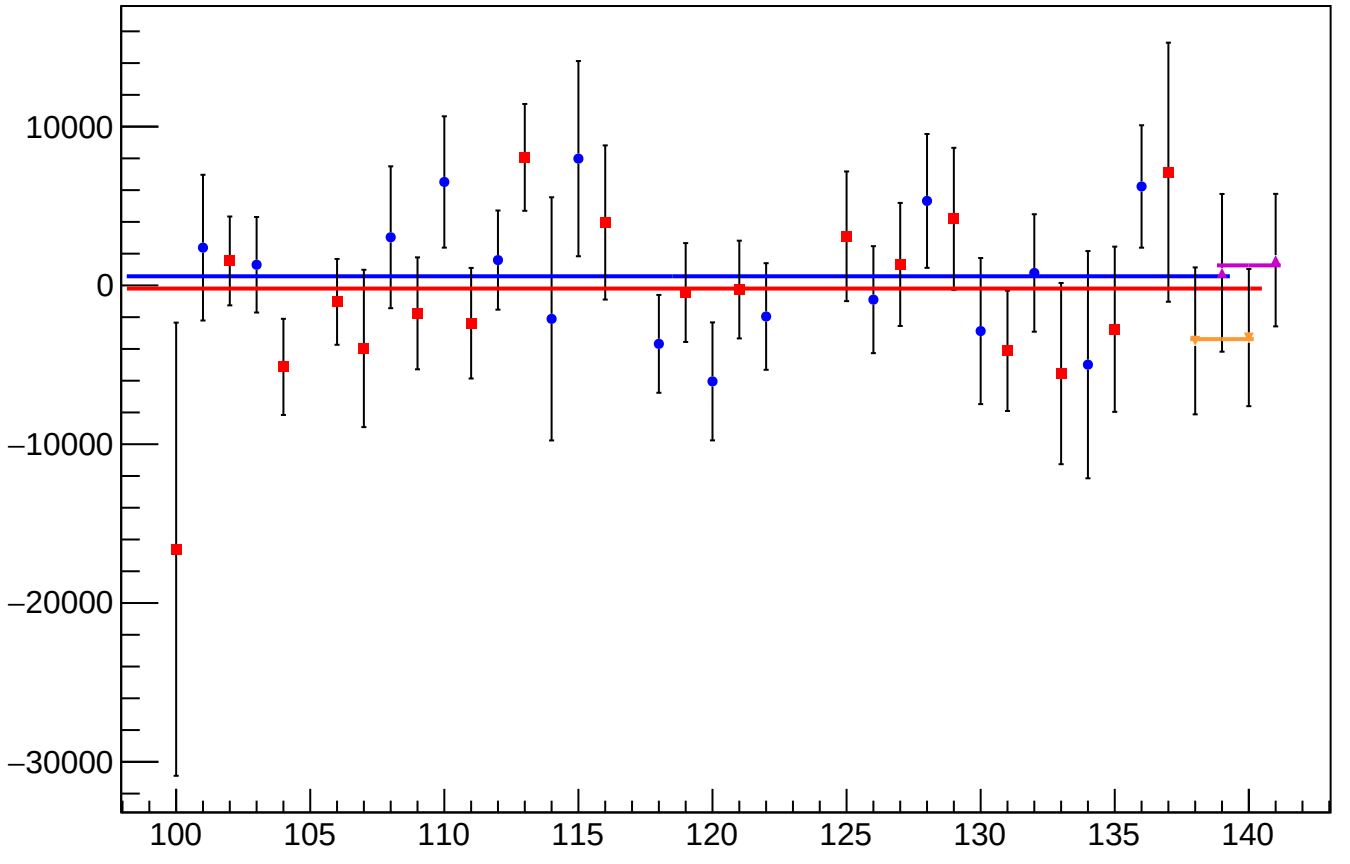
Left: 1316.970+/-0.509 χ^2/NDF: 10671.0/3

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 916.247+/-0.222 χ^2/NDF:770613.0/17

Out: 907.953+/-0.221 χ^2/NDF:645490.4/19

All: 912.088+/-0.156 χ^2/NDF: 1416805.7/37



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -3382.051+/-3157.233 χ^2/NDF:0.0/1

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: 1261.607+/-3194.469 χ^2/NDF:0.0/1

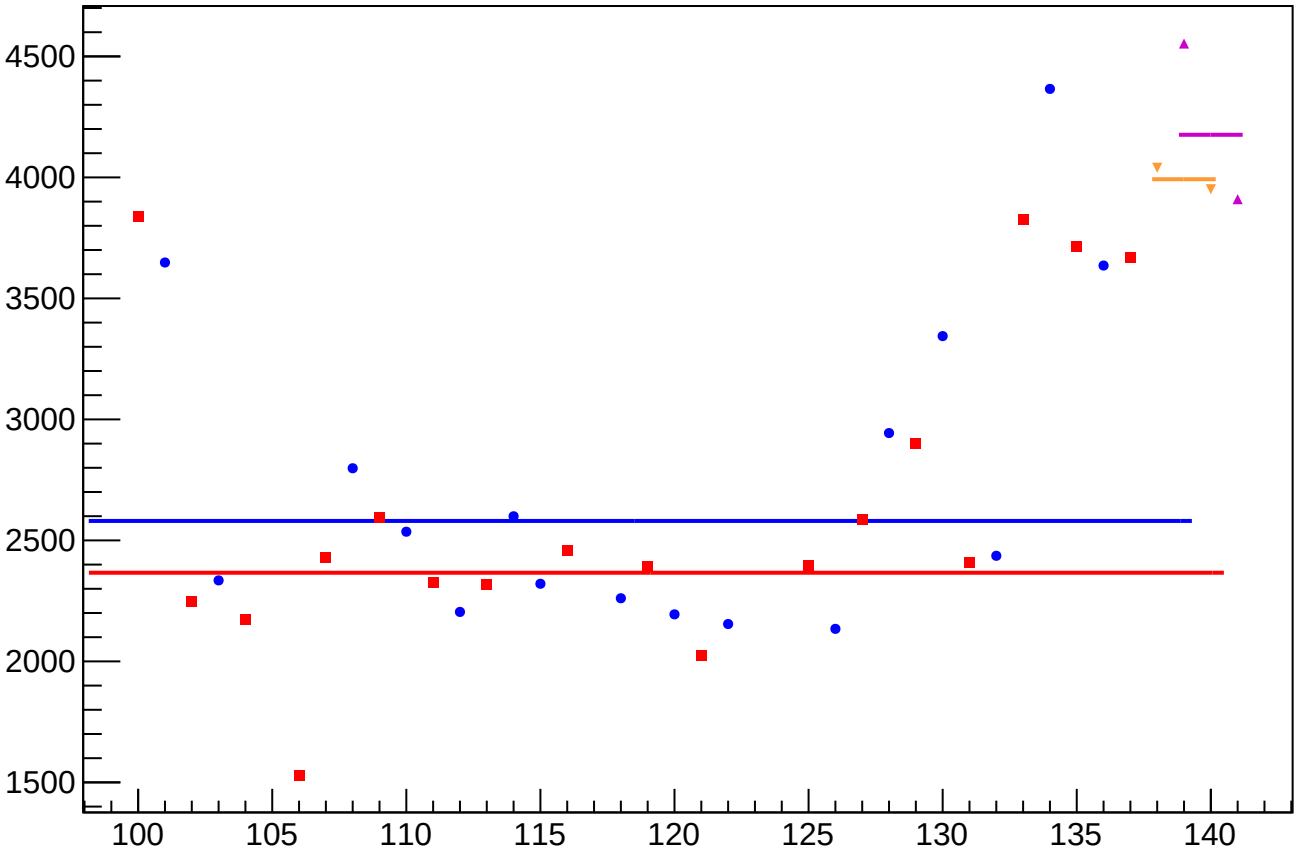
Left: -1087.444+/-2245.550 χ^2/NDF: 1.1/3

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 634.848+/-941.172 χ^2/NDF:14.8/17

Out: -434.361+/-860.289 χ^2/NDF:18.1/19

All: 52.334+/-634.989 χ^2/NDF: 33.6/37



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3992.455+/-2.233 χ^2/NDF:393.5/1

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4176.145+/-2.259 χ^2/NDF:19674.0/1

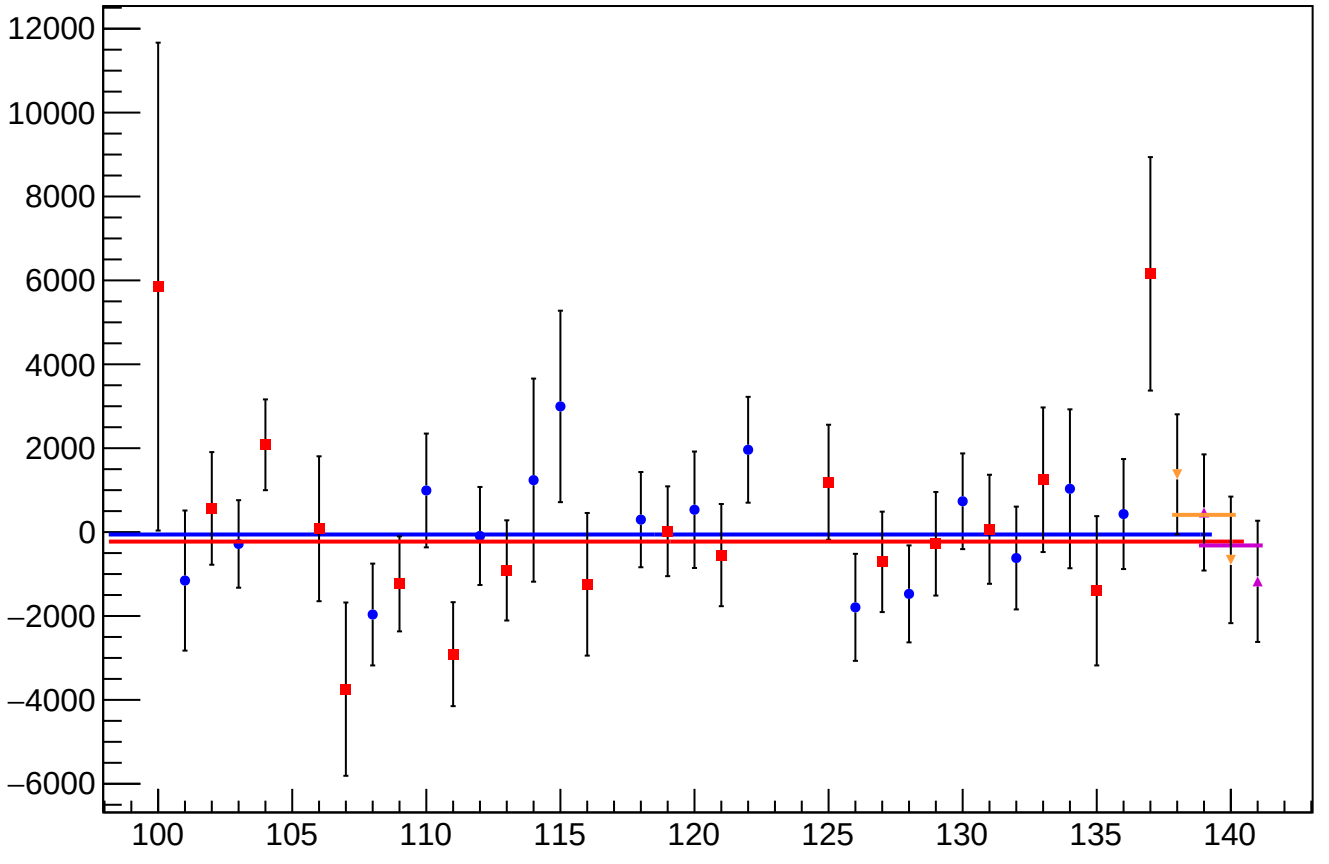
Left: 4083.223+/-1.588 χ^2/NDF: 23412.8/3

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2718.896+/-0.666 χ^2/NDF:1092589.8/17

Out: 2487.140+/-0.608 χ^2/NDF:1103195.3/19

All: 2592.633+/-0.449 χ^2/NDF: 2261854.2/37



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 410.505+/-1038.182 χ^2/NDF:1.0/1

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -318.079+/-999.570 χ^2/NDF:0.7/1

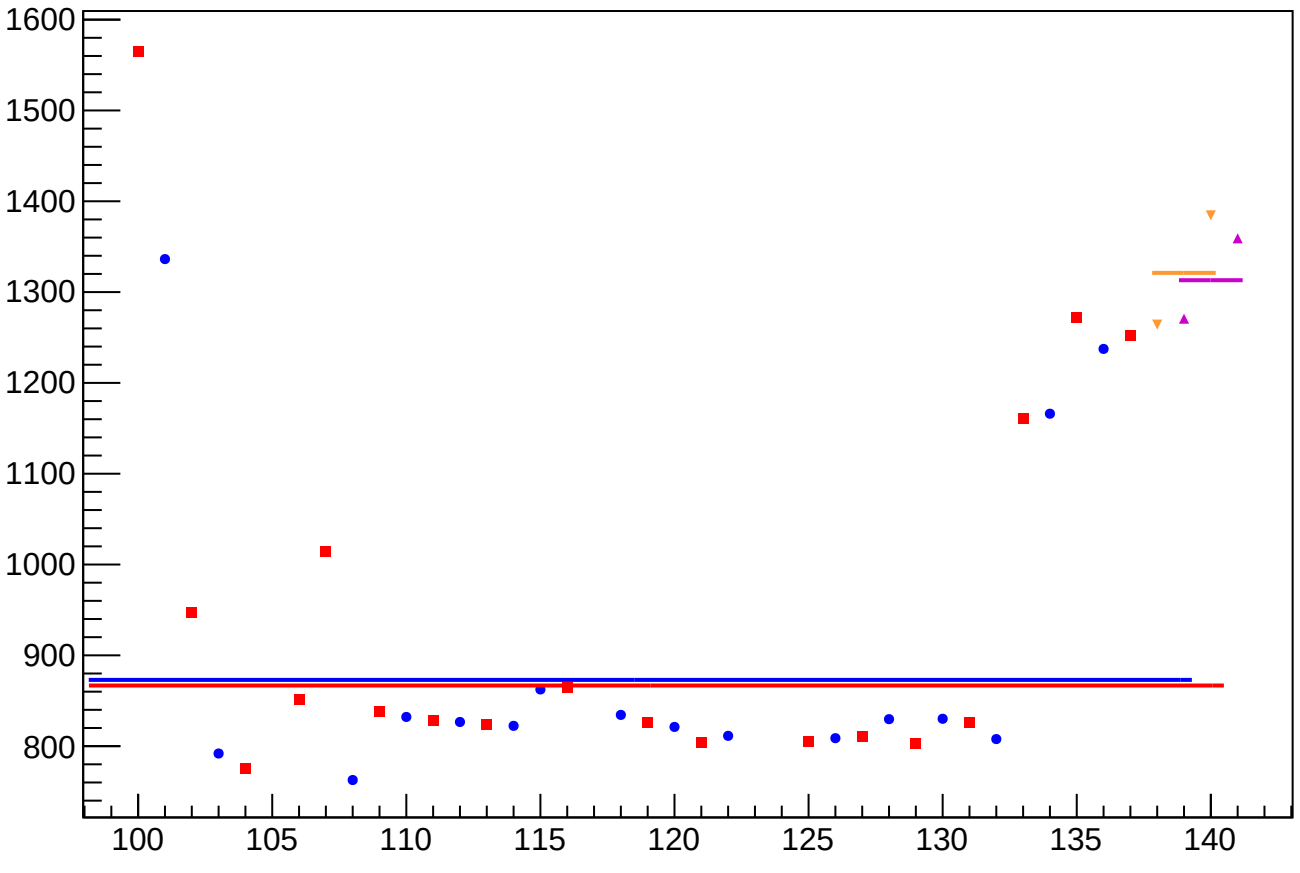
Left: 32.413+/-720.066 χ^2/NDF: 1.9/3

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -82.862+/-313.439 χ^2/NDF:13.7/17

Out: -168.282+/-312.821 χ^2/NDF:24.2/19

All: -125.656+/-221.416 χ^2/NDF: 38.0/37



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1321.165+/-0.734 χ^2/NDF:6696.8/1

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1313.082+/-0.707 χ^2/NDF:3911.4/1

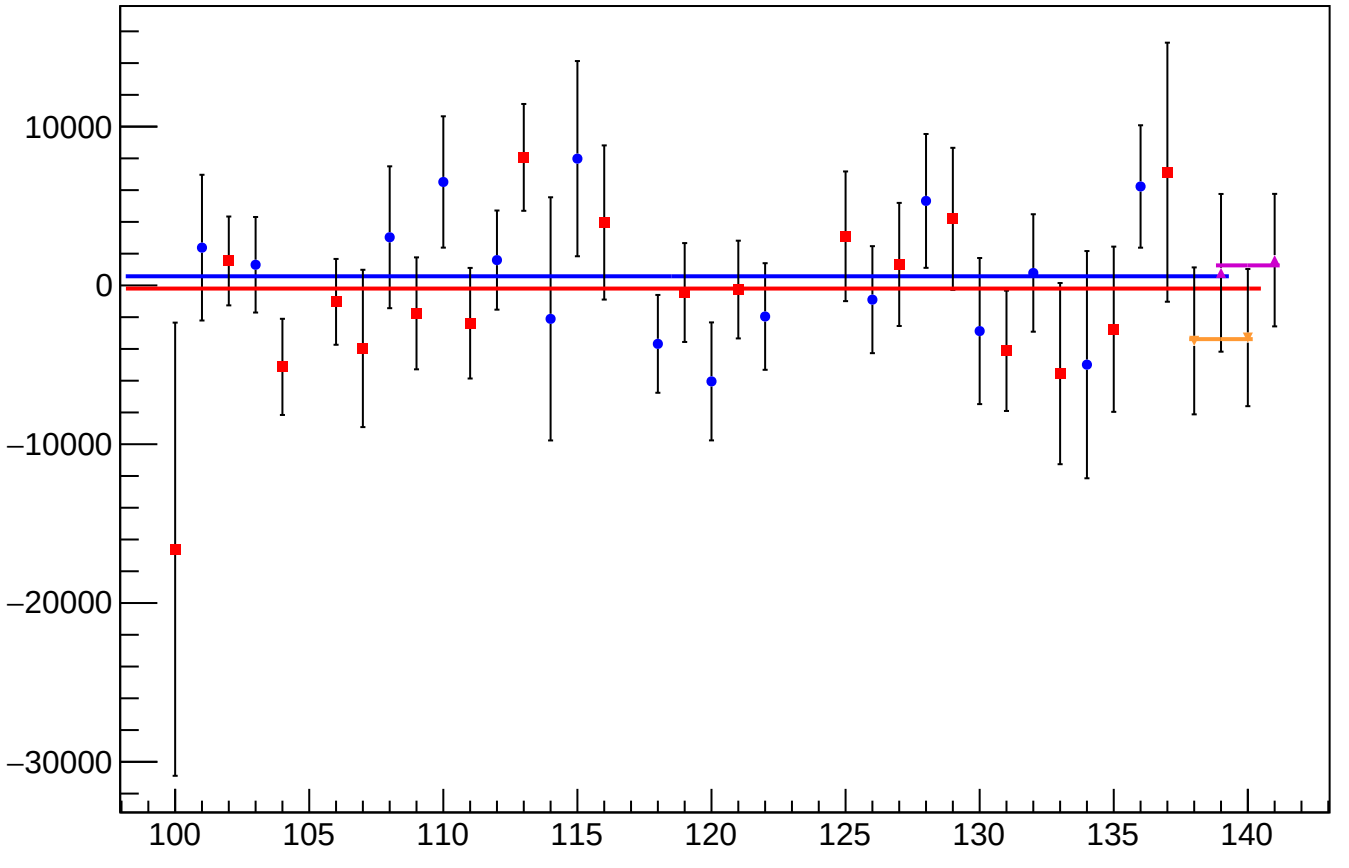
Left: 1316.971+/-0.509 χ^2/NDF: 10671.1/3

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 916.247+/-0.222 χ^2/NDF:770614.1/17

Out: 907.953+/-0.221 χ^2/NDF:645491.3/19

All: 912.088+/-0.156 χ^2/NDF: 1416807.6/37



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -3382.057+/-3157.242 χ^2/NDF:0.0/1

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 1261.609+/-3194.477 χ^2/NDF:0.0/1

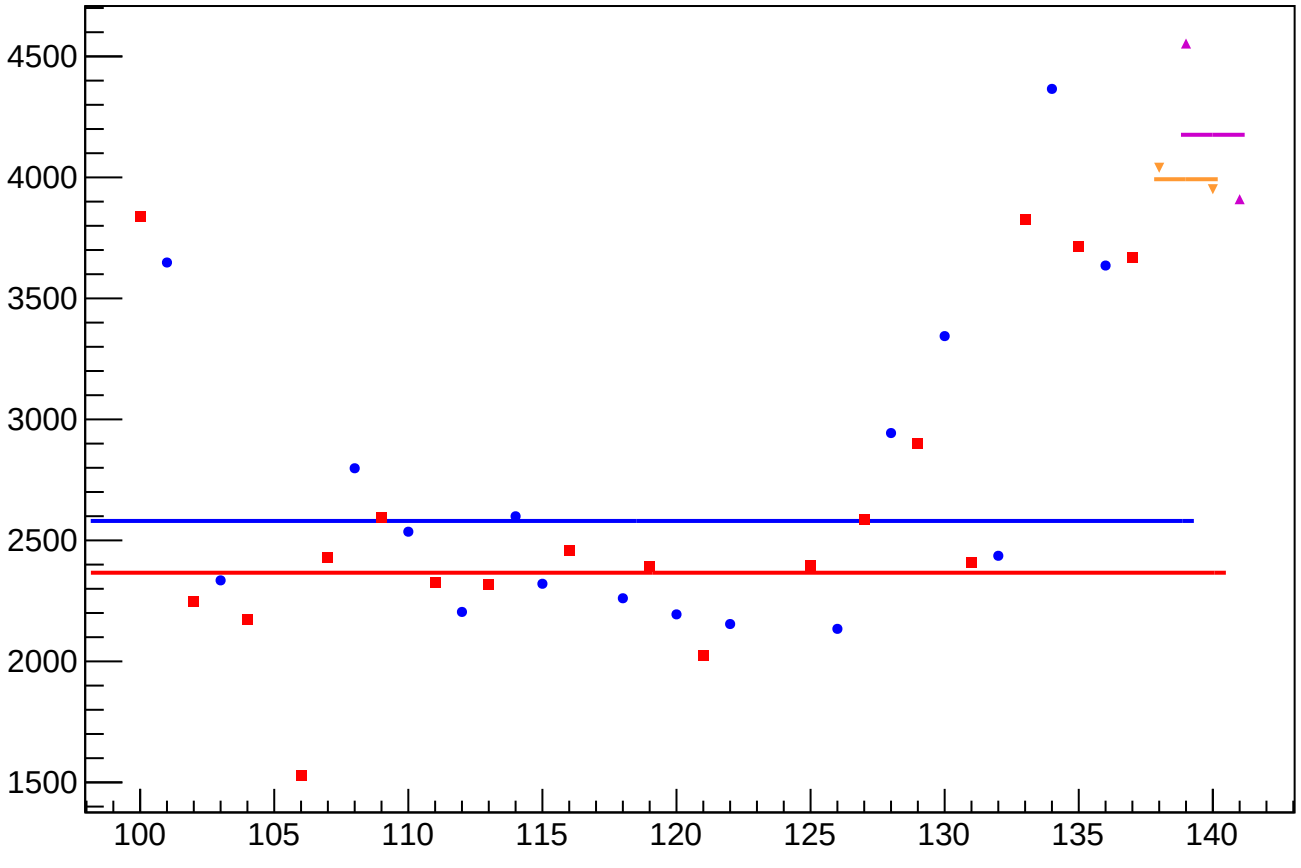
Left: -1087.445+/-2245.556 χ^2/NDF: 1.1/3

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 634.843+/-941.169 χ^2/NDF:14.8/17

Out: -434.360+/-860.287 χ^2/NDF:18.1/19

All: 52.332+/-634.987 χ^2/NDF: 33.6/37



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3992.465+/-2.233 χ^2/NDF:393.6/1

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4176.154+/-2.259 χ^2/NDF:19674.7/1

Left: 4083.233+/-1.588 χ^2/NDF: 23413.6/3

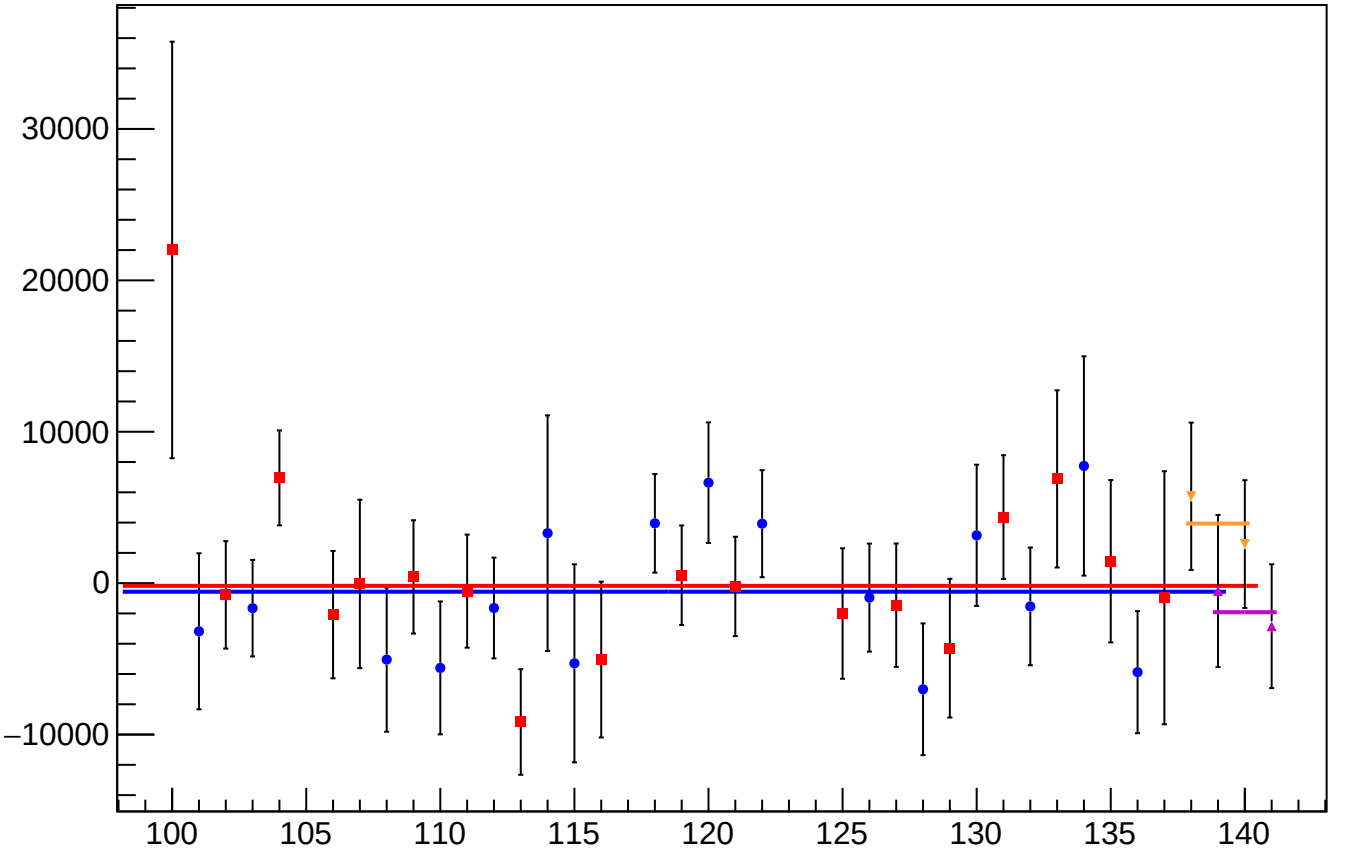
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2718.888+/-0.666 χ^2/NDF:1092606.3/17

Out: 2487.133+/-0.608 χ^2/NDF:1103207.4/19

All: 2592.626+/-0.449 χ^2/NDF: 2261882.3/37

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 3936.153+/-3187.336 χ^2/NDF:0.2/1

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -1917.423+/-3171.590 χ^2/NDF:0.1/1

Left: 994.870+/-2248.199 χ^2/NDF: 2.1/3

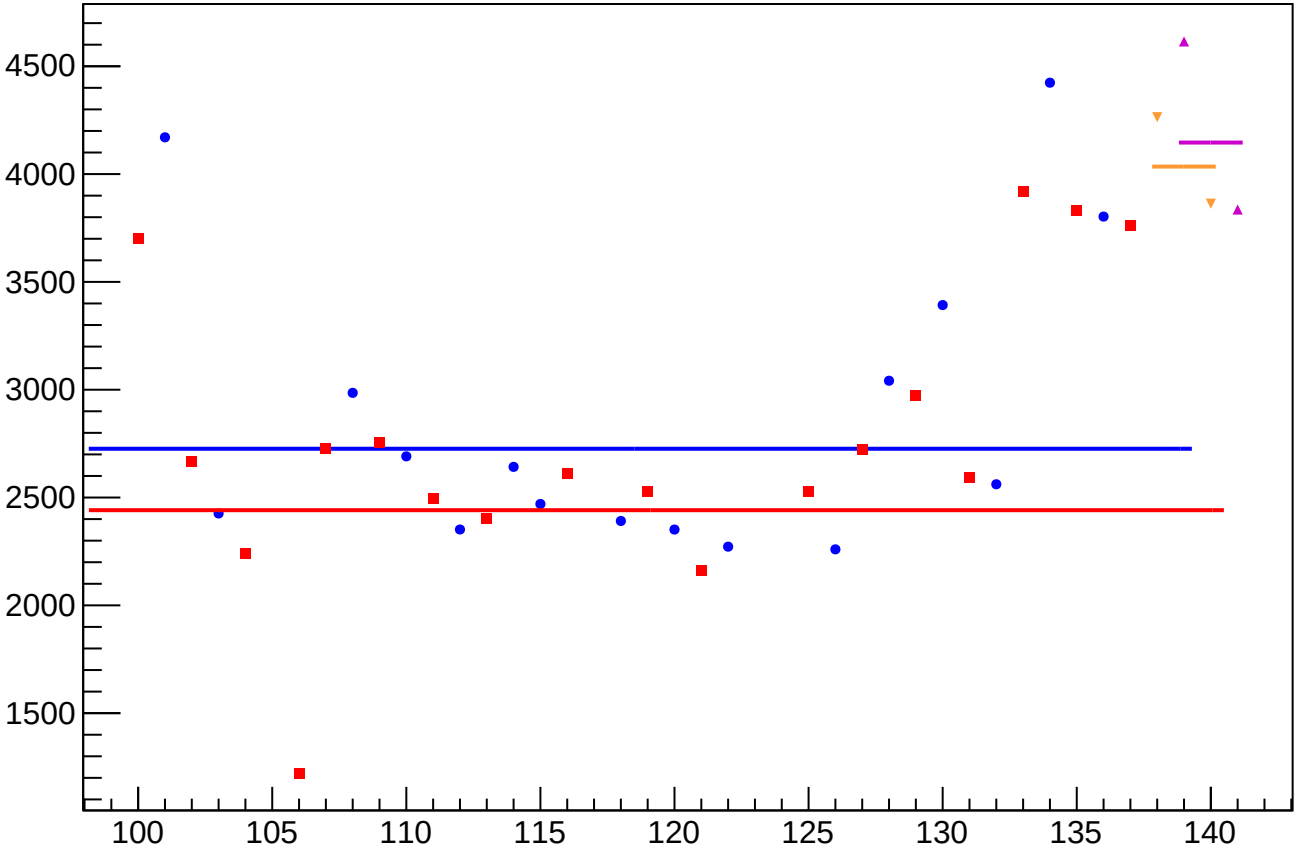
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -697.363+/-988.495 χ^2/NDF:16.5/17

Out: 182.383+/-944.044 χ^2/NDF:21.3/19

All: -237.265+/-682.714 χ^2/NDF: 38.2/37

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4034.776+/-2.254 χ^2/NDF:7752.5/1

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4146.221+/-2.243 χ^2/NDF:28962.0/1

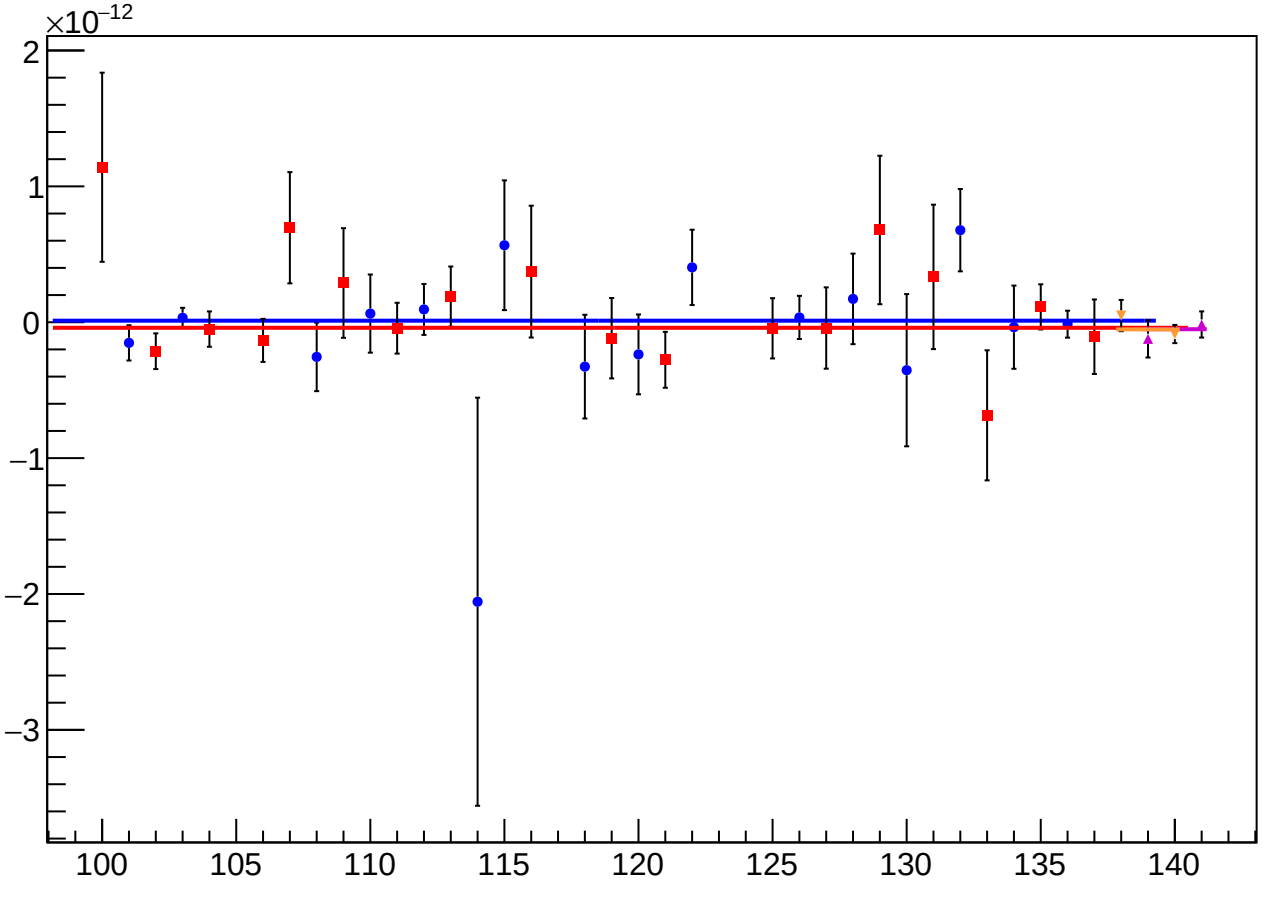
Left: 4090.774+/-1.590 χ^2/NDF: 37943.1/3

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 2864.168+/-0.699 χ^2/NDF:1014007.3/17

Out: 2569.661+/-0.640 χ^2/NDF:1358479.0/19

All: 2703.861+/-0.472 χ^2/NDF: 2469120.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

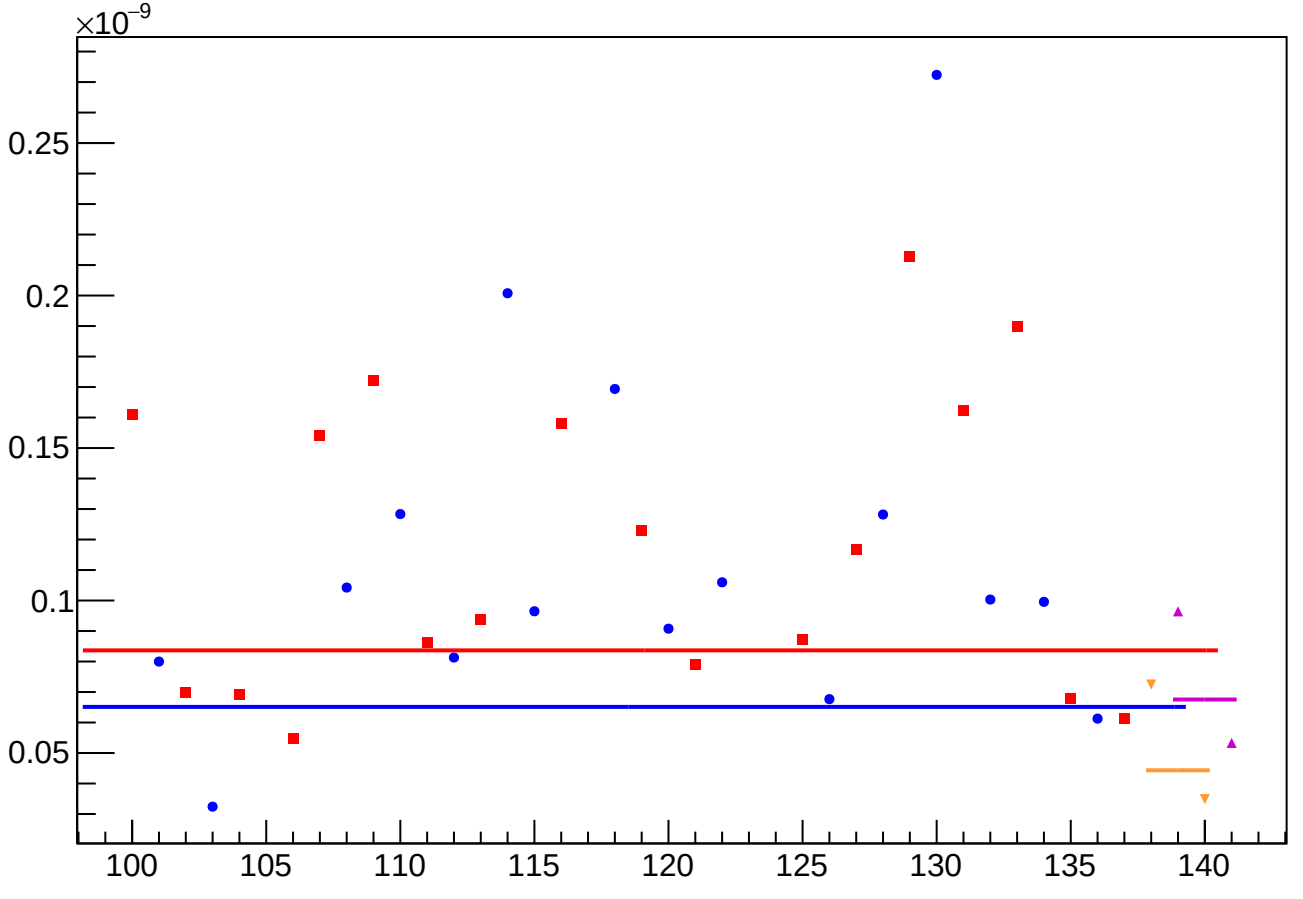
Left: -0.000+/-0.000 χ^2/NDF: 1.4/3

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:16.2/17

Out: -0.000+/-0.000 χ^2/NDF:18.1/19

All: -0.000+/-0.000 χ^2/NDF: 34.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:158990.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:132148.1/1

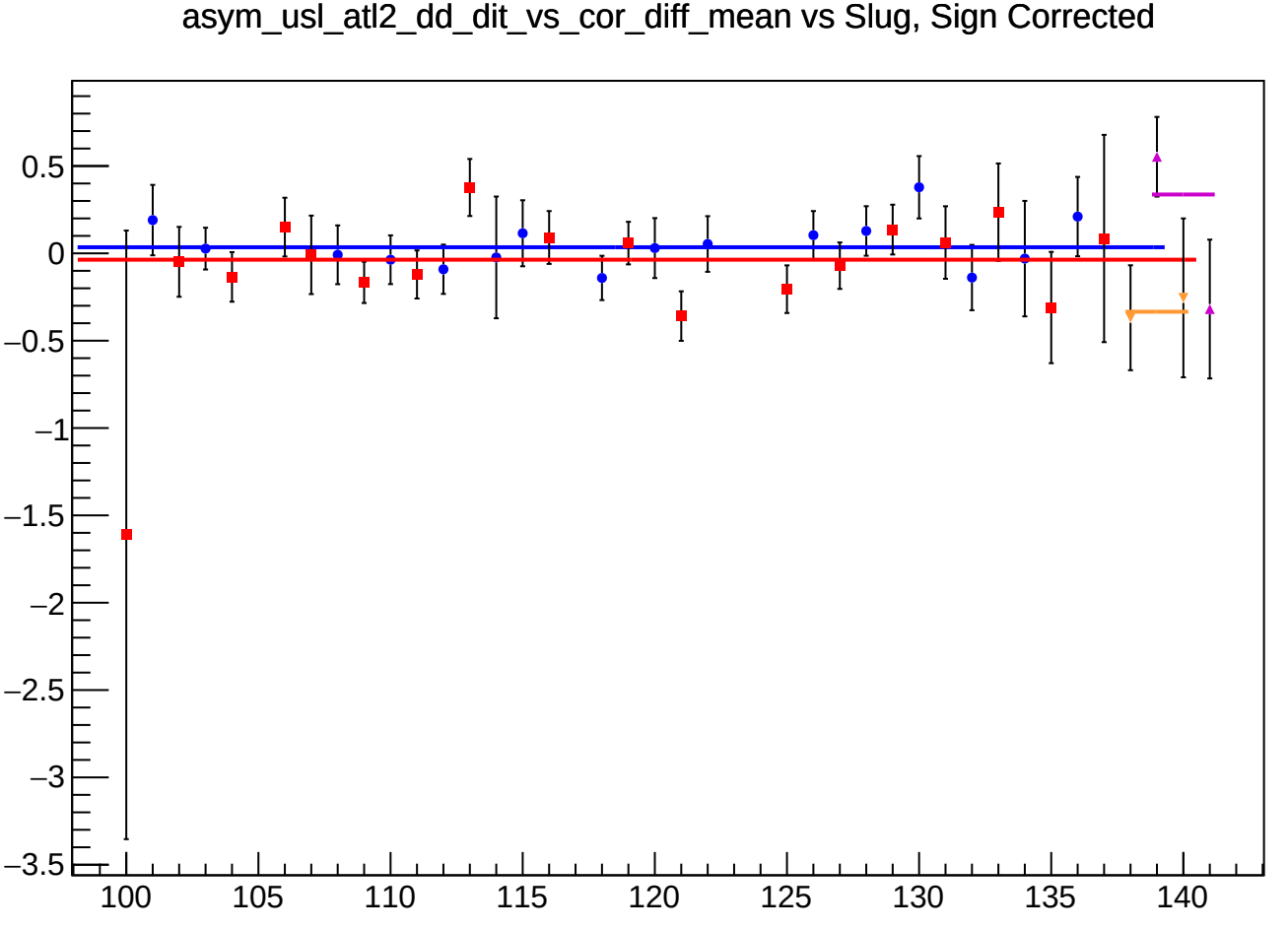
Left: 0.000+/-0.000 χ^2/NDF: 403572.8/3

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1356193.4/17

Out: 0.000+/-0.000 χ^2/NDF:1349697.6/19

All: 0.000+/-0.000 χ^2/NDF: 2705898.1/37



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.334+/-0.251 χ^2/NDF:0.0/1

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.337+/-0.198 χ^2/NDF:3.6/1

Left: 0.079+/-0.155 χ^2/NDF: 8.1/3

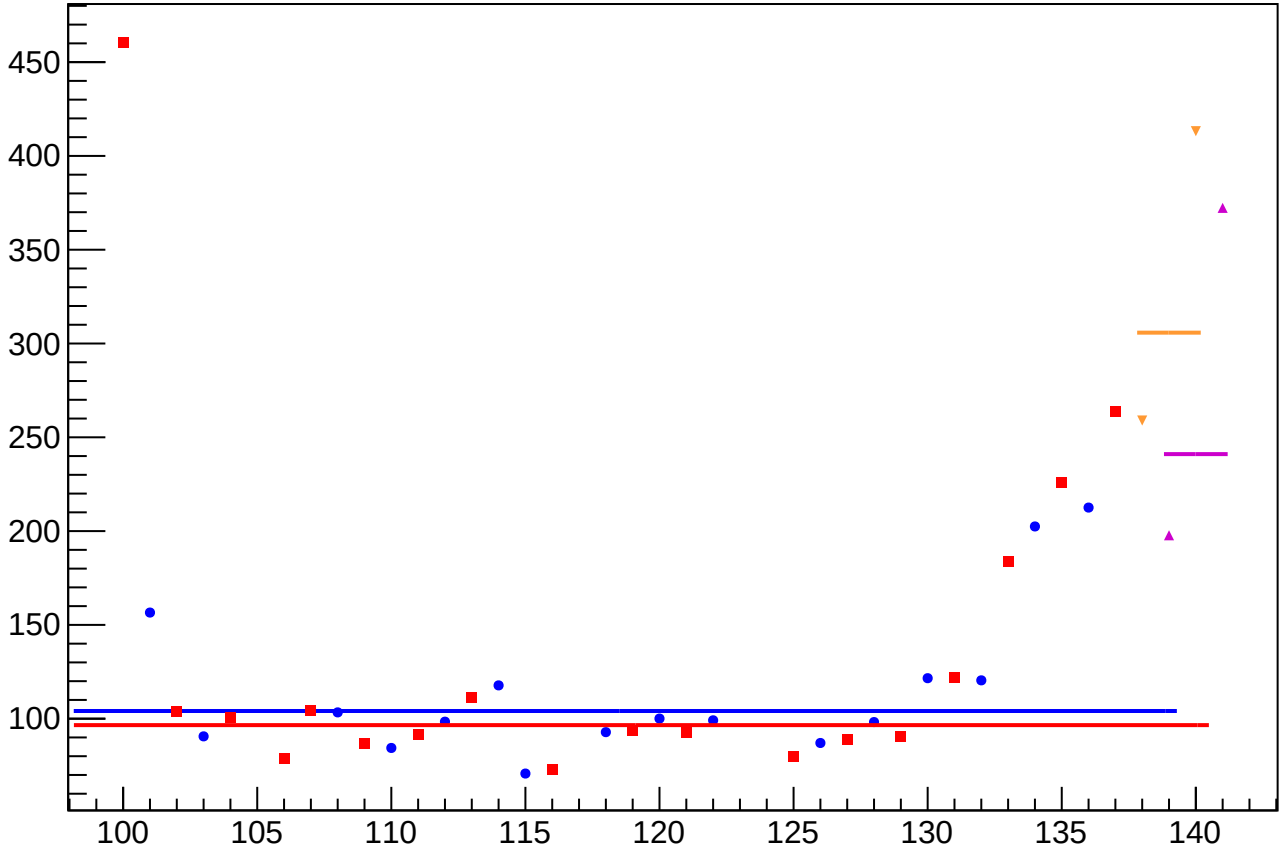
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.040 χ^2/NDF:15.6/17

Out: -0.043+/-0.038 χ^2/NDF:23.5/19

All: 0.000+/-0.028 χ^2/NDF: 41.7/37

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 305.790+/-0.177 χ^2/NDF:160166.1/1

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 241.042+/-0.140 χ^2/NDF:290247.1/1

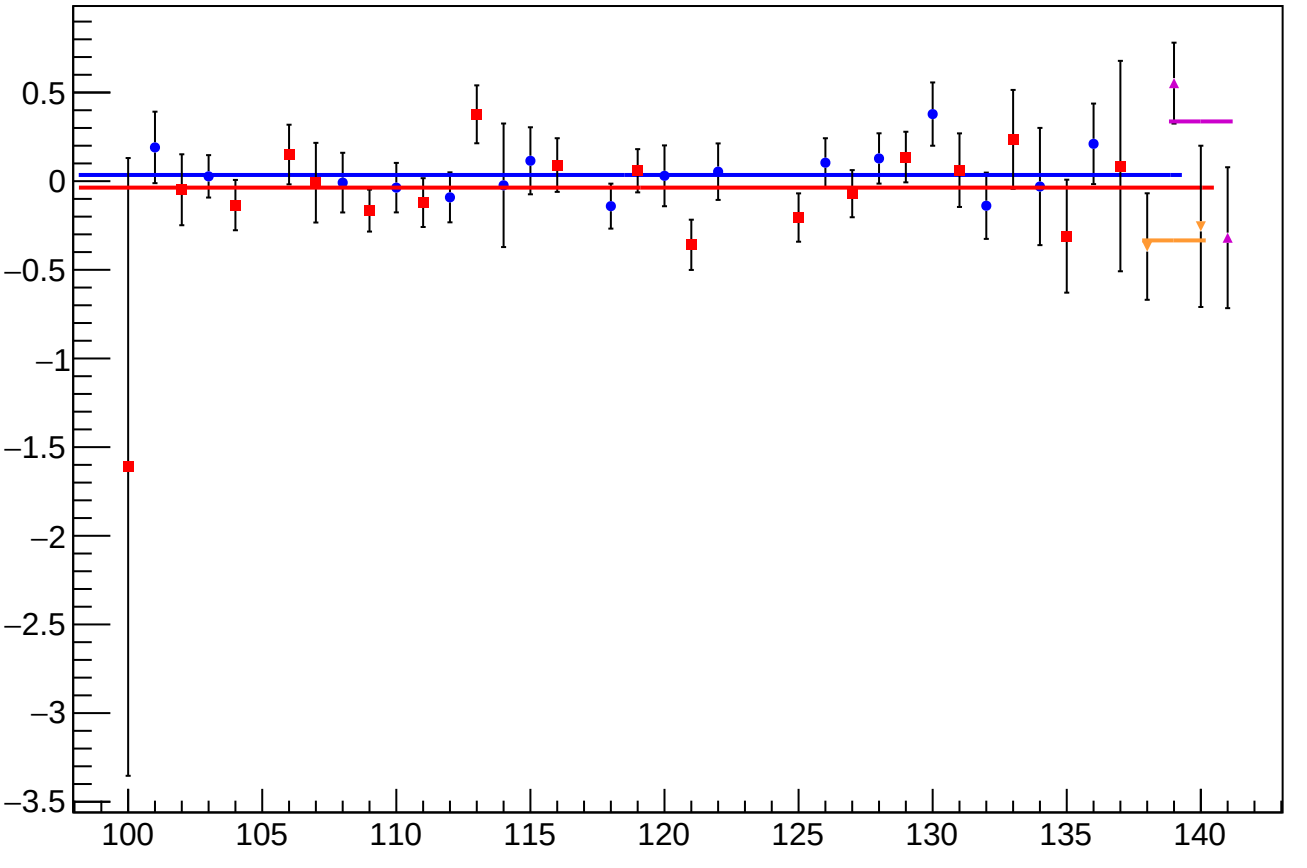
Left: 265.898+/-0.110 χ^2/NDF: 532655.8/3

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 109.747+/-0.028 χ^2/NDF:2198927.0/17

Out: 101.491+/-0.027 χ^2/NDF:2476719.0/19

All: 105.437+/-0.020 χ^2/NDF: 4719739.2/37



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.334+/-0.251 χ^2/NDF:0.0/1

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.337+/-0.198 χ^2/NDF:3.6/1

Left: 0.079+/-0.155 χ^2/NDF: 8.1/3

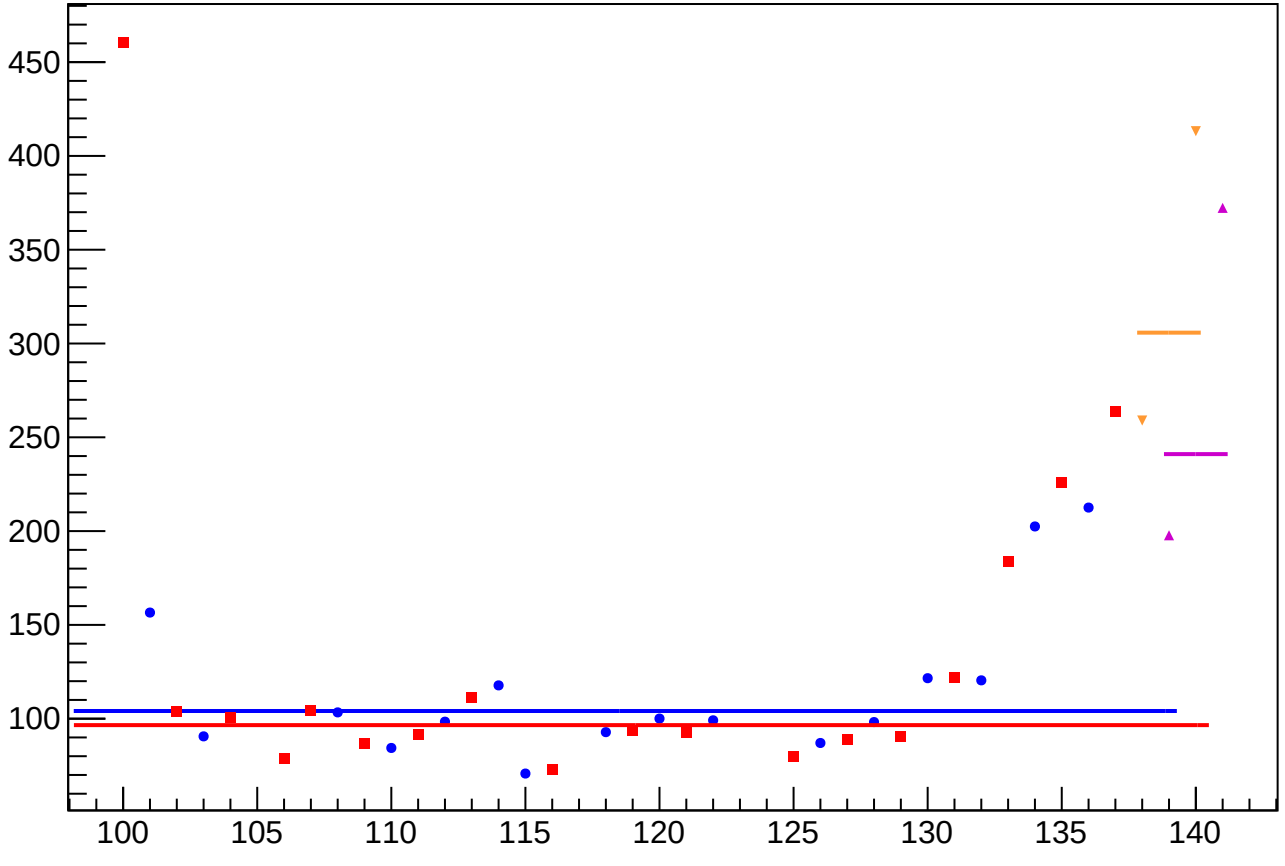
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.040 χ^2/NDF:15.6/17

Out: -0.043+/-0.038 χ^2/NDF:23.5/19

All: 0.000+/-0.028 χ^2/NDF: 41.7/37

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 305.790+/-0.177 χ^2/NDF:160166.1/1

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 241.042+/-0.140 χ^2/NDF:290247.1/1

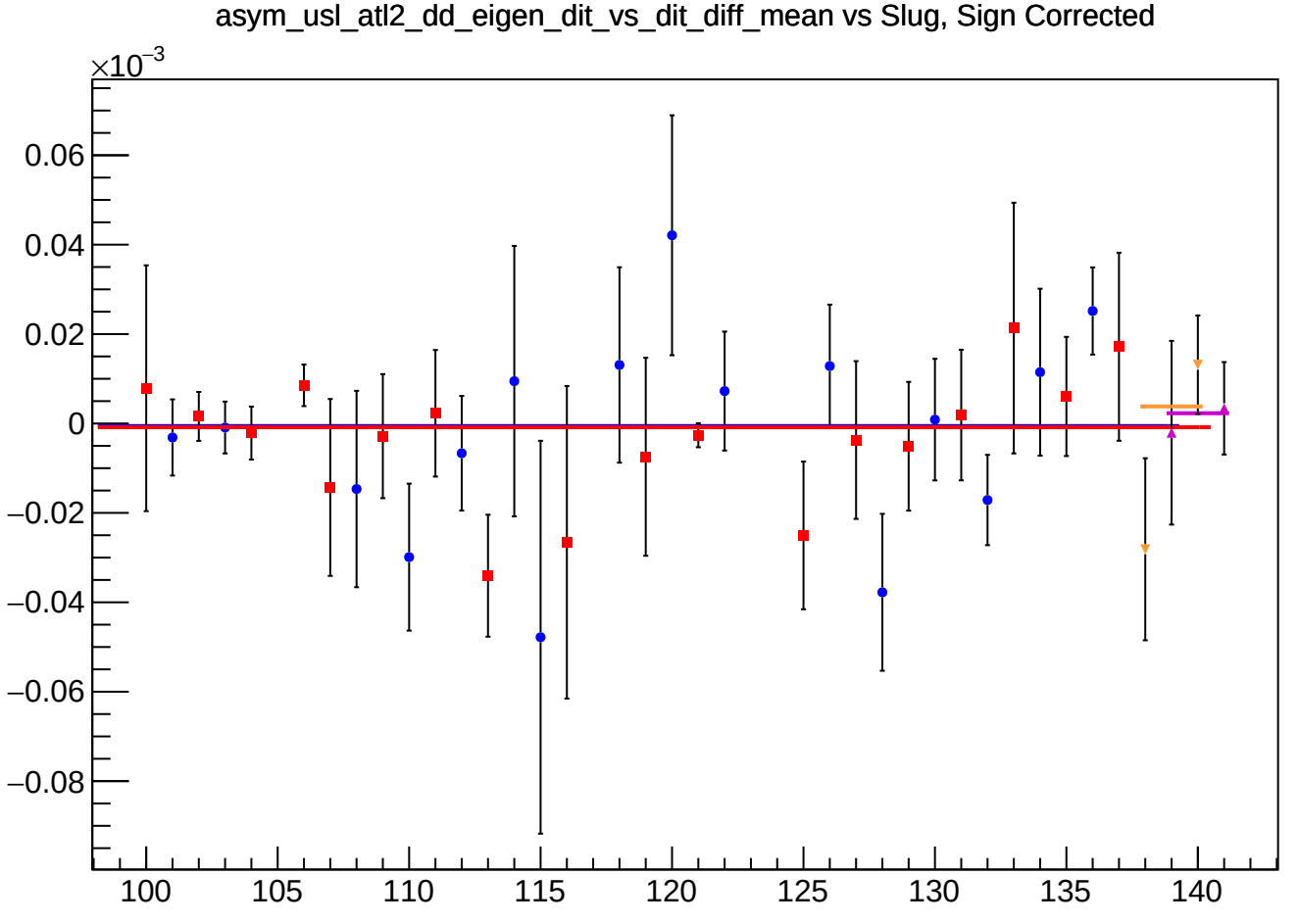
Left: 265.898+/-0.110 χ^2/NDF: 532655.8/3

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 109.747+/-0.028 χ^2/NDF:2198927.0/17

Out: 101.491+/-0.027 χ^2/NDF:2476719.0/19

All: 105.437+/-0.020 χ^2/NDF: 4719739.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

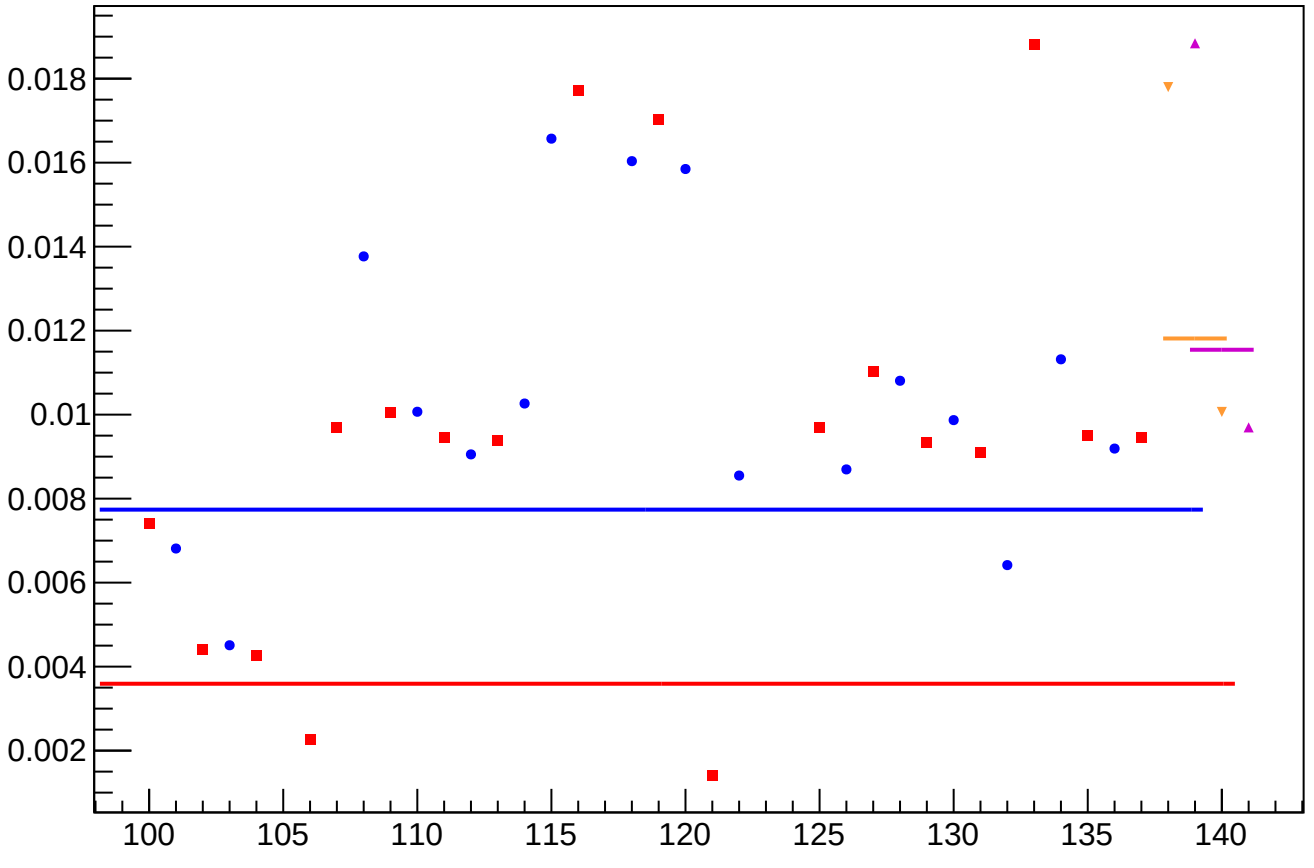
Left: 0.000+/-0.000 χ^2/NDF: 3.2/3

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:24.1/17

Out: -0.000+/-0.000 χ^2/NDF:19.3/19

All: -0.000+/-0.000 χ^2/NDF: 43.4/37



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:223328.3/1

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.012+/-0.000 χ^2/NDF:316237.6/1

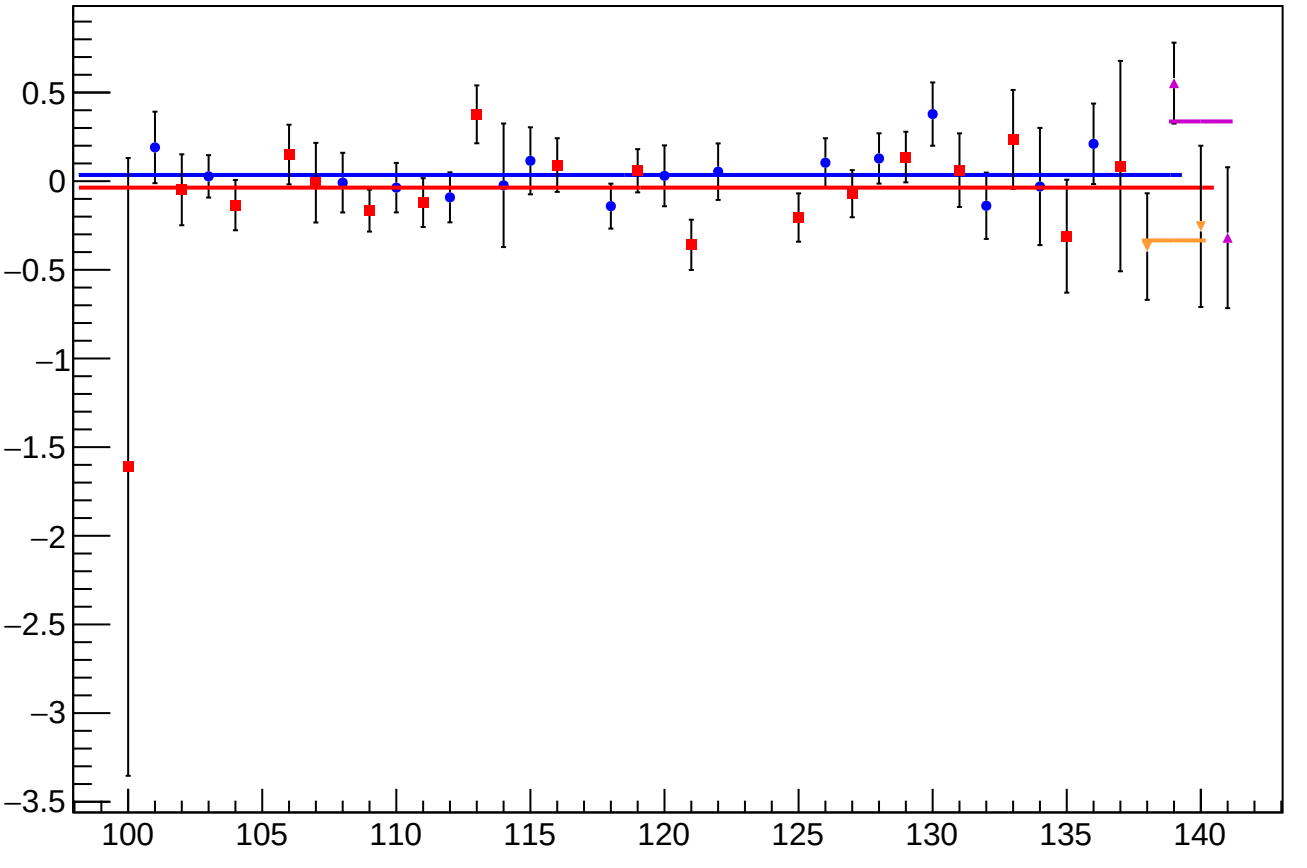
Left: 0.012+/-0.000 χ^2/NDF: 540369.9/3

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.008+/-0.000 χ^2/NDF:2322868.6/17

Out: 0.004+/-0.000 χ^2/NDF:7979670.5/19

All: 0.005+/-0.000 χ^2/NDF: 13315970.1/37



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.334+/-0.251 χ^2/NDF:0.0/1

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.337+/-0.198 χ^2/NDF:3.6/1

Left: 0.079+/-0.155 χ^2/NDF: 8.1/3

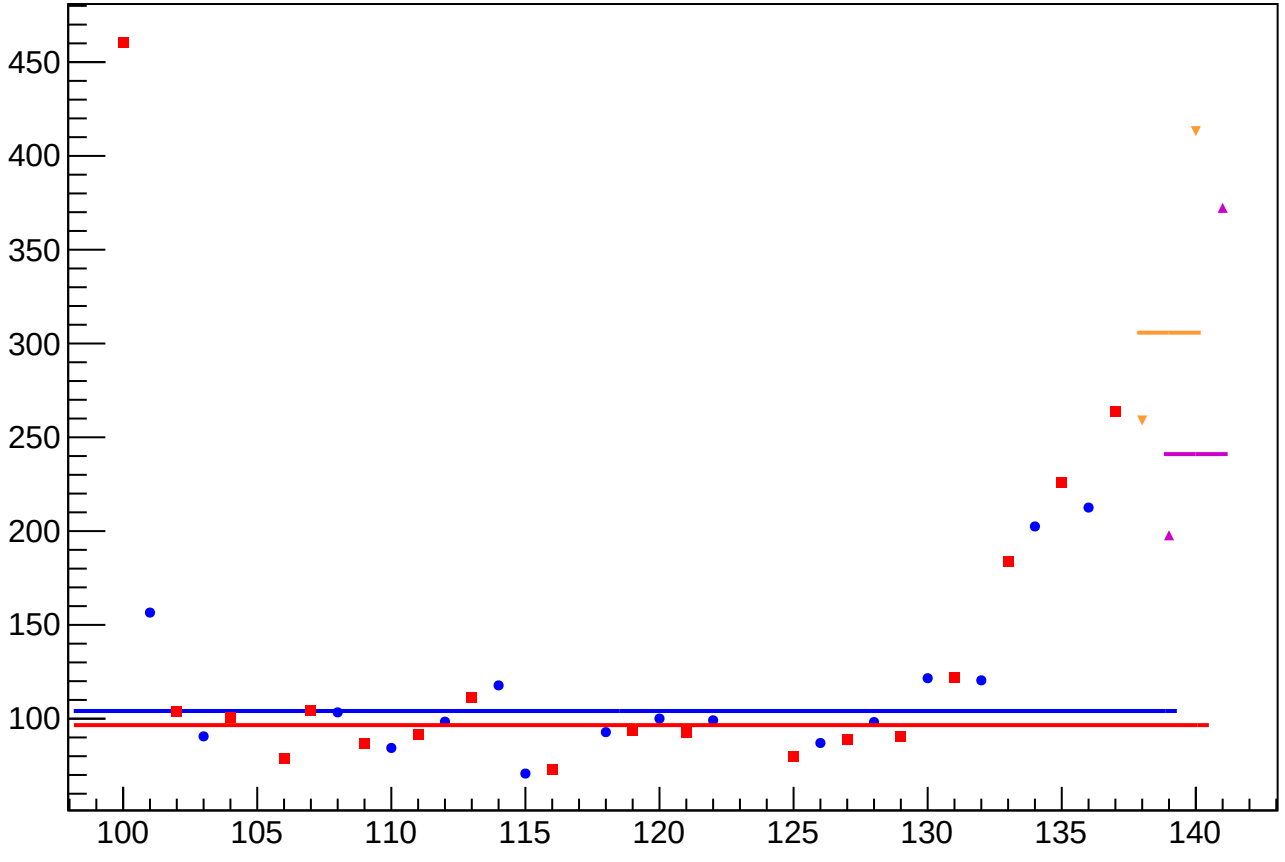
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.040 χ^2/NDF:15.6/17

Out: -0.043+/-0.038 χ^2/NDF:23.5/19

All: 0.000+/-0.028 χ^2/NDF: 41.7/37

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 305.793+/-0.177 χ^2/NDF:160169.7/1

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 241.049+/-0.140 χ^2/NDF:290234.7/1

Left: 265.904+/-0.110 χ^2/NDF: 532635.3/3

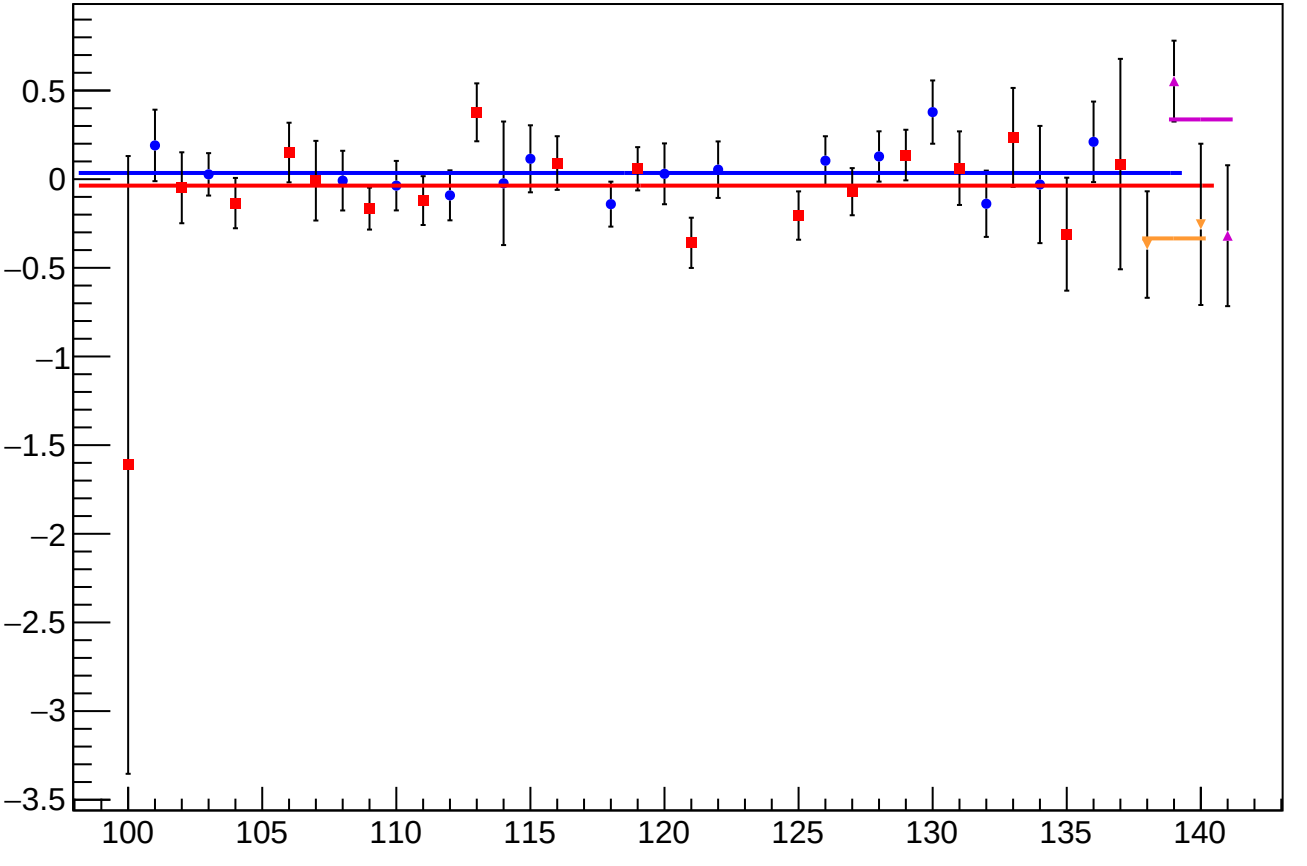
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 109.748+/-0.028 χ^2/NDF:2198897.7/17

Out: 101.492+/-0.027 χ^2/NDF:2476647.6/19

All: 105.438+/-0.020 χ^2/NDF: 4719632.9/37

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.334+/-0.251 χ^2/NDF:0.0/1

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.337+/-0.198 χ^2/NDF:3.6/1

Left: 0.079+/-0.155 χ^2/NDF: 8.1/3

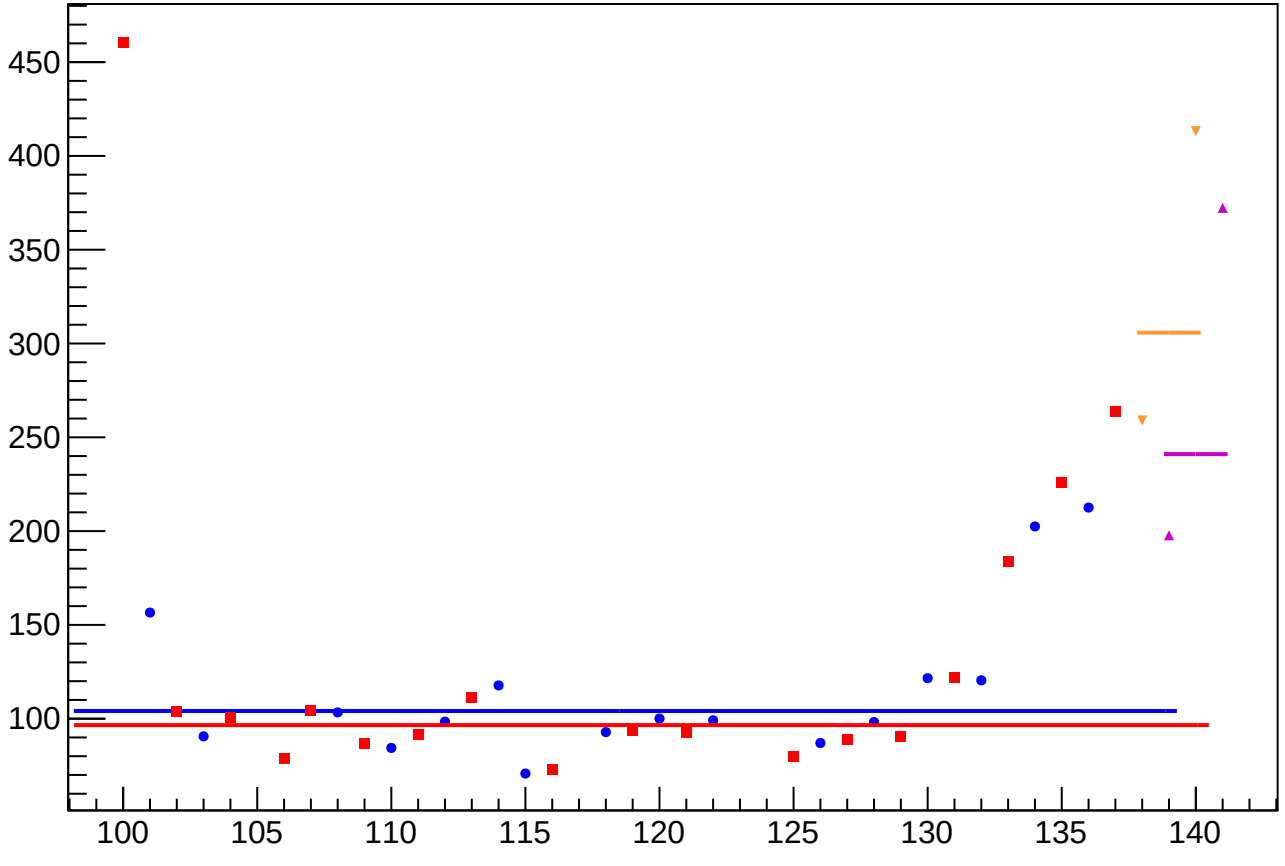
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.040 χ^2/NDF:15.6/17

Out: -0.043+/-0.038 χ^2/NDF:23.5/19

All: 0.000+/-0.028 χ^2/NDF: 41.7/37

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 305.793+/-0.177 χ^2/NDF:160169.7/1

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 241.049+/-0.140 χ^2/NDF:290234.7/1

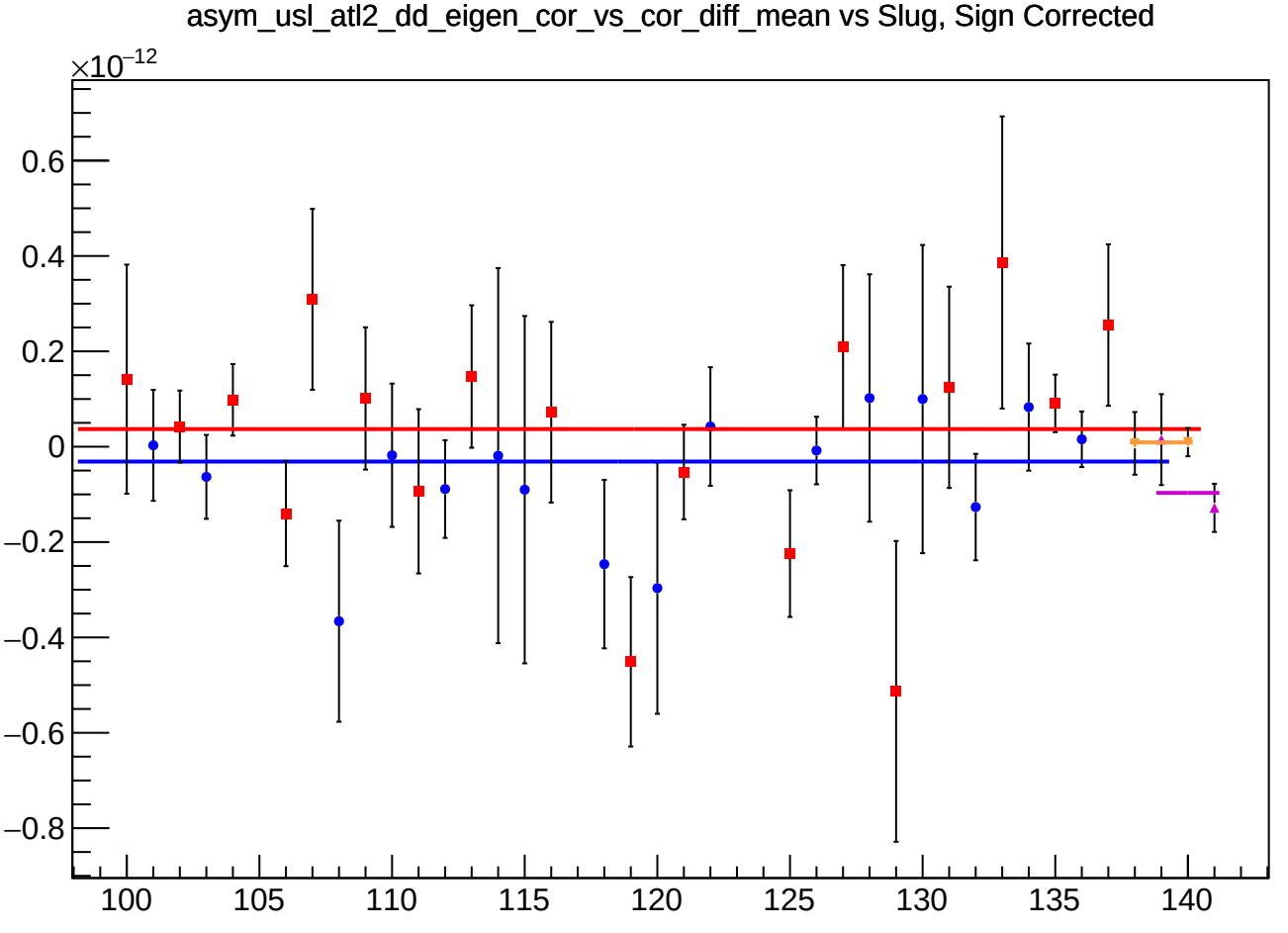
Left: 265.904+/-0.110 χ^2/NDF: 532635.3/3

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 109.748+/-0.028 χ^2/NDF:2198897.7/17

Out: 101.492+/-0.027 χ^2/NDF:2476647.6/19

All: 105.438+/-0.020 χ^2/NDF: 4719632.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:1.8/1

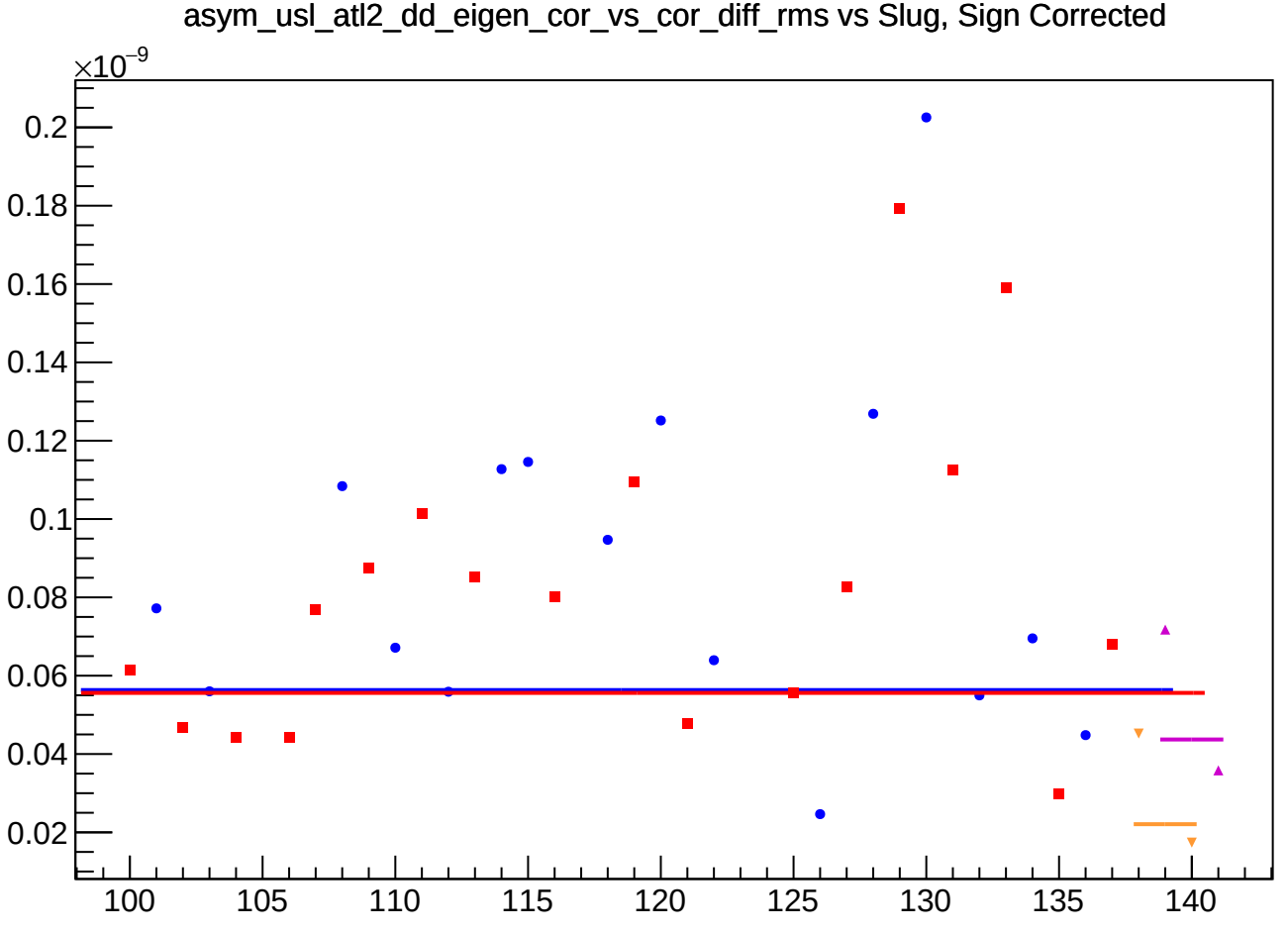
Left: -0.000+/-0.000 χ^2/NDF: 5.9/3

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:11.8/17

Out: 0.000+/-0.000 χ^2/NDF:27.6/19

All: -0.000+/-0.000 χ^2/NDF: 44.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:298558.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:222000.9/1

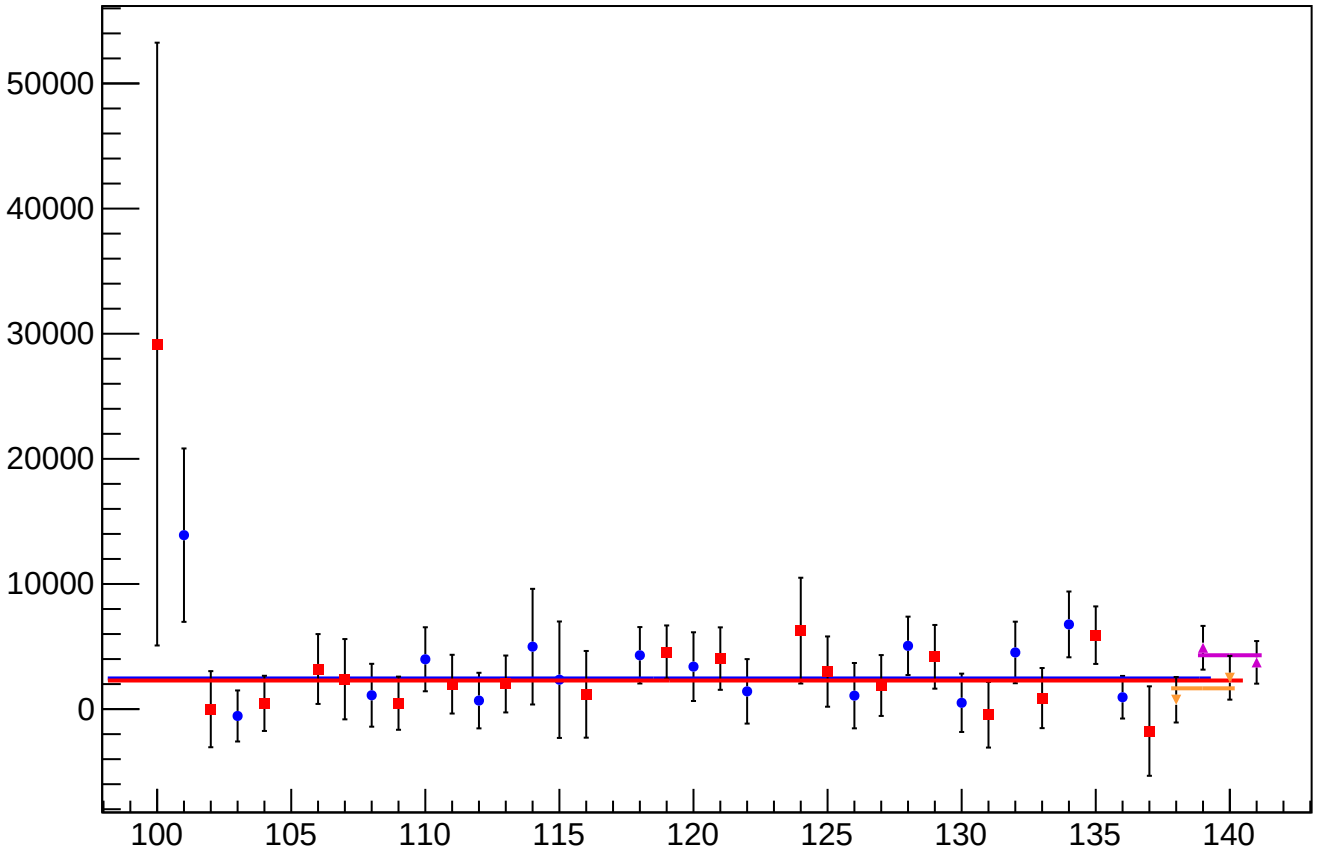
Left: 0.000+/-0.000 χ^2/NDF: 864289.1/3

Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:1915811.5/17

Out: 0.000+/-0.000 χ^2/NDF:3511370.0/19

All: 0.000+/-0.000 χ^2/NDF: 5861806.1/37



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1661.399+/-1259.888 χ^2/NDF:0.5/1

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 4304.384+/-1219.507 χ^2/NDF:0.2/1

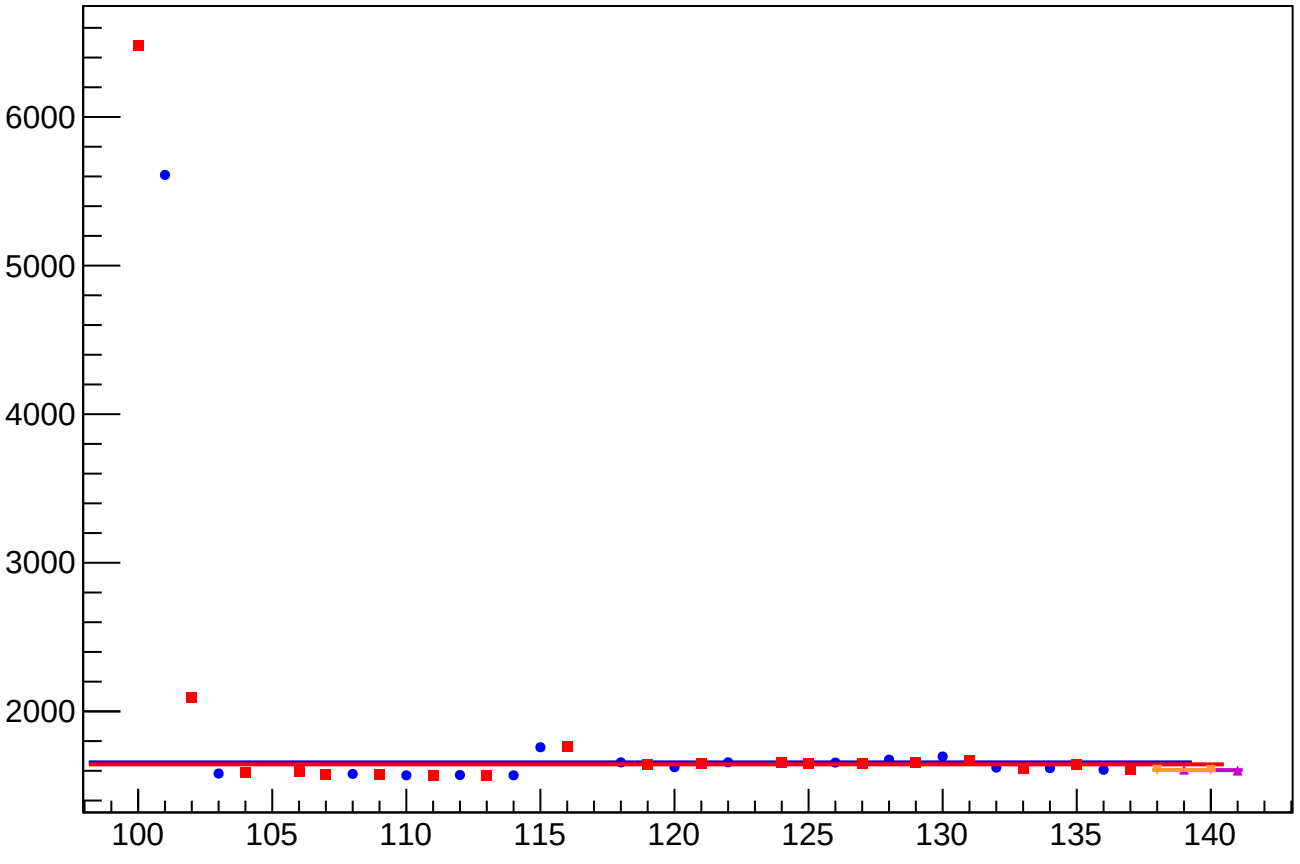
Left: 3025.926+/-876.250 χ^2/NDF: 3.0/3

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2840.836+/-559.888 χ^2/NDF:15.9/17

Out: 2168.116+/-548.418 χ^2/NDF:12.5/20

All: 2497.515+/-391.782 χ^2/NDF: 29.1/38



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1605.401+/-0.891 χ^2/NDF:0.8/1

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1604.781+/-0.862 χ^2/NDF:12.5/1

Left: 1605.081+/-0.620 χ^2/NDF: 13.6/3

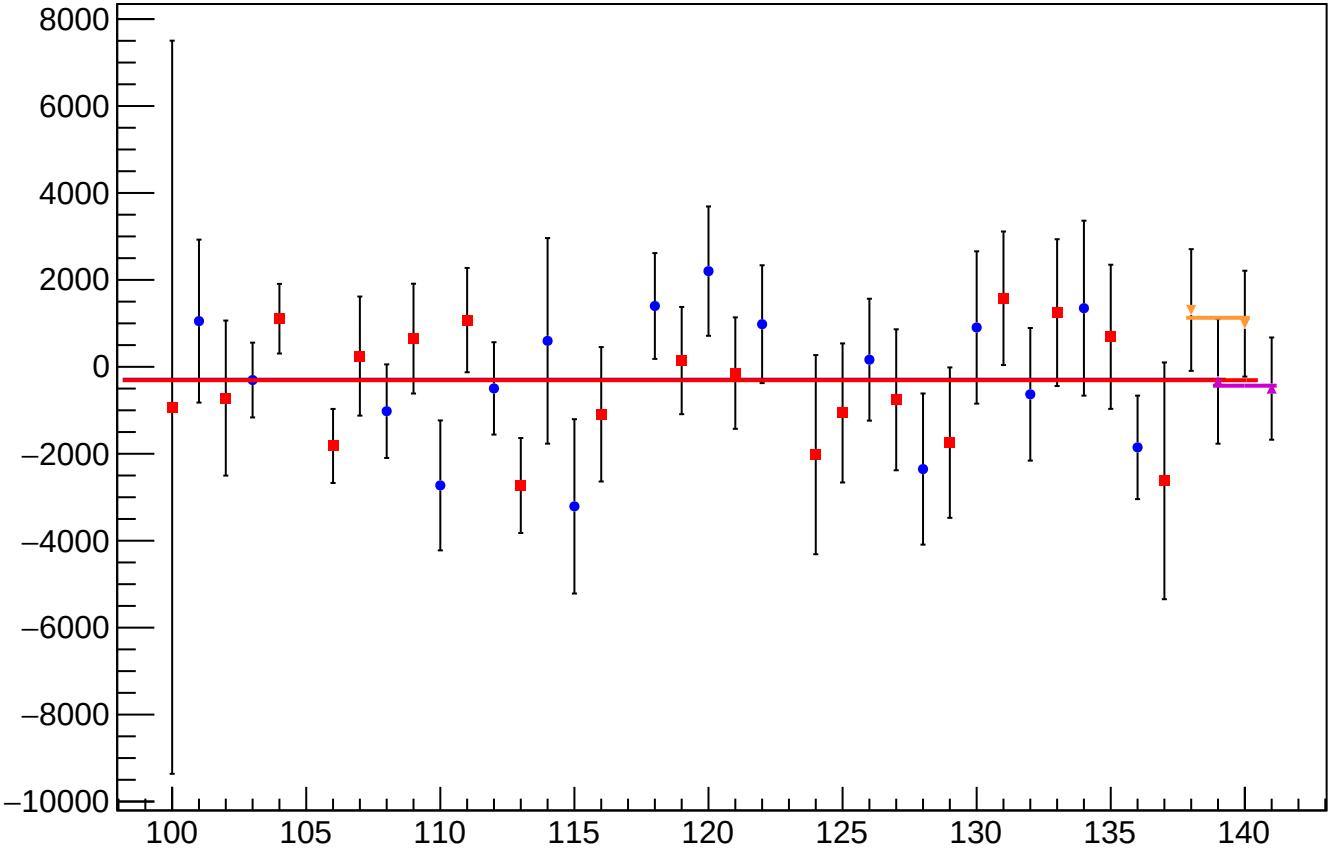
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1645.743+/-0.396 χ^2/NDF:669097.9/17

Out: 1636.224+/-0.388 χ^2/NDF:138475.6/20

All: 1640.885+/-0.277 χ^2/NDF: 807868.5/38

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 1128.560+/-918.845 χ^2/NDF:0.0/1

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: -434.032+/-909.075 χ^2/NDF:0.0/1

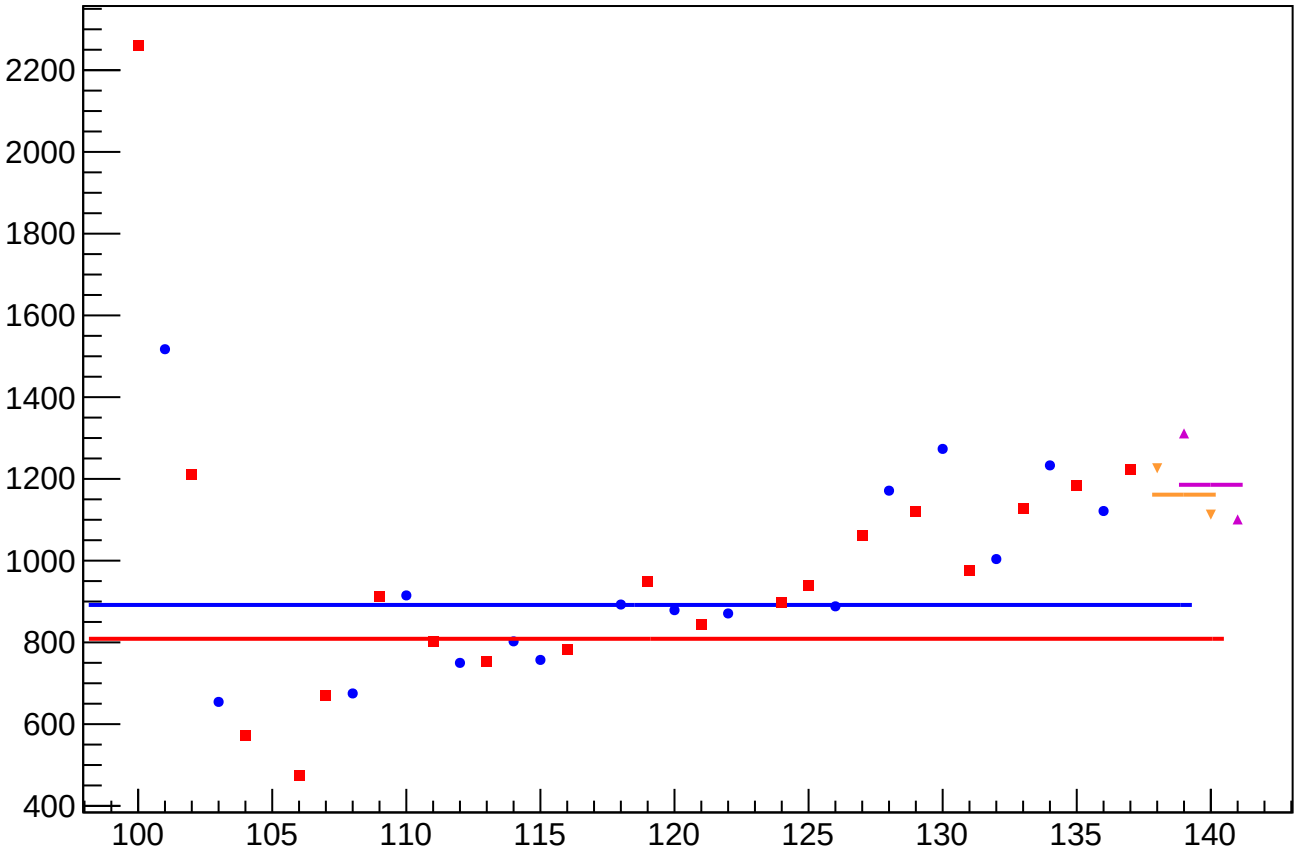
Left: 338.912+/-646.239 χ^2/NDF: 1.5/3

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -313.634+/-321.274 χ^2/NDF:16.0/17

Out: -158.360+/-296.262 χ^2/NDF:20.9/20

All: -229.718+/-217.795 χ^2/NDF: 37.0/38



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 1161.446+/-0.650 χ^2/NDF:7472.9/1

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 1185.604+/-0.643 χ^2/NDF:25776.3/1

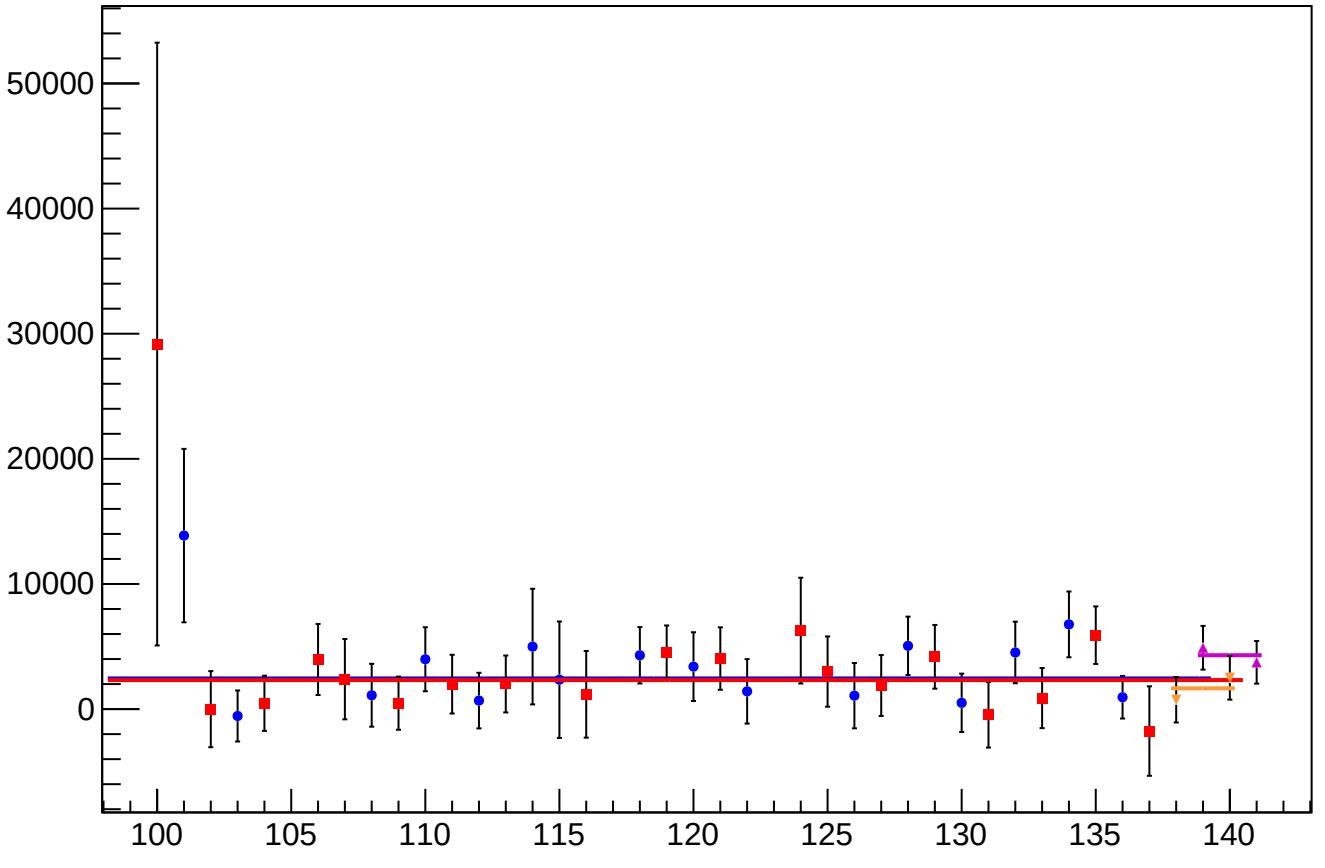
Left: 1173.654+/-0.457 χ^2/NDF: 33947.8/3

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 928.349+/-0.227 χ^2/NDF:1002693.4/17

Out: 845.469+/-0.209 χ^2/NDF:1355268.6/20

All: 883.558+/-0.154 χ^2/NDF: 2429893.8/38



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1661.423+/-1259.888 χ^2/NDF:0.5/1

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 4304.696+/-1219.507 χ^2/NDF:0.2/1

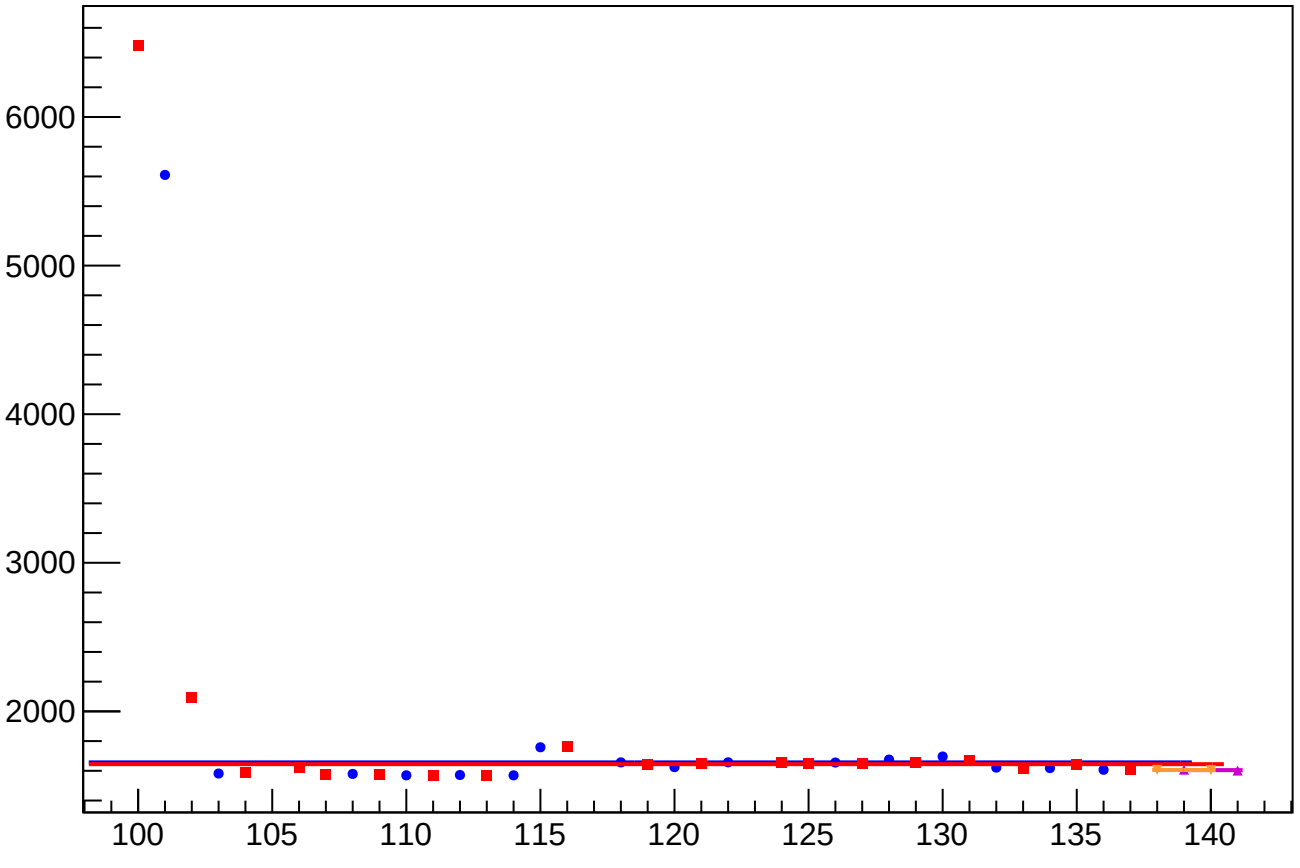
Left: 3026.098+/-876.250 χ^2/NDF: 3.0/3

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2840.461+/-559.888 χ^2/NDF:15.9/17

Out: 2195.514+/-548.783 χ^2/NDF:12.8/20

All: 2511.528+/-391.915 χ^2/NDF: 29.3/38



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1605.401+/-0.891 χ^2/NDF:0.8/1

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1604.781+/-0.862 χ^2/NDF:12.5/1

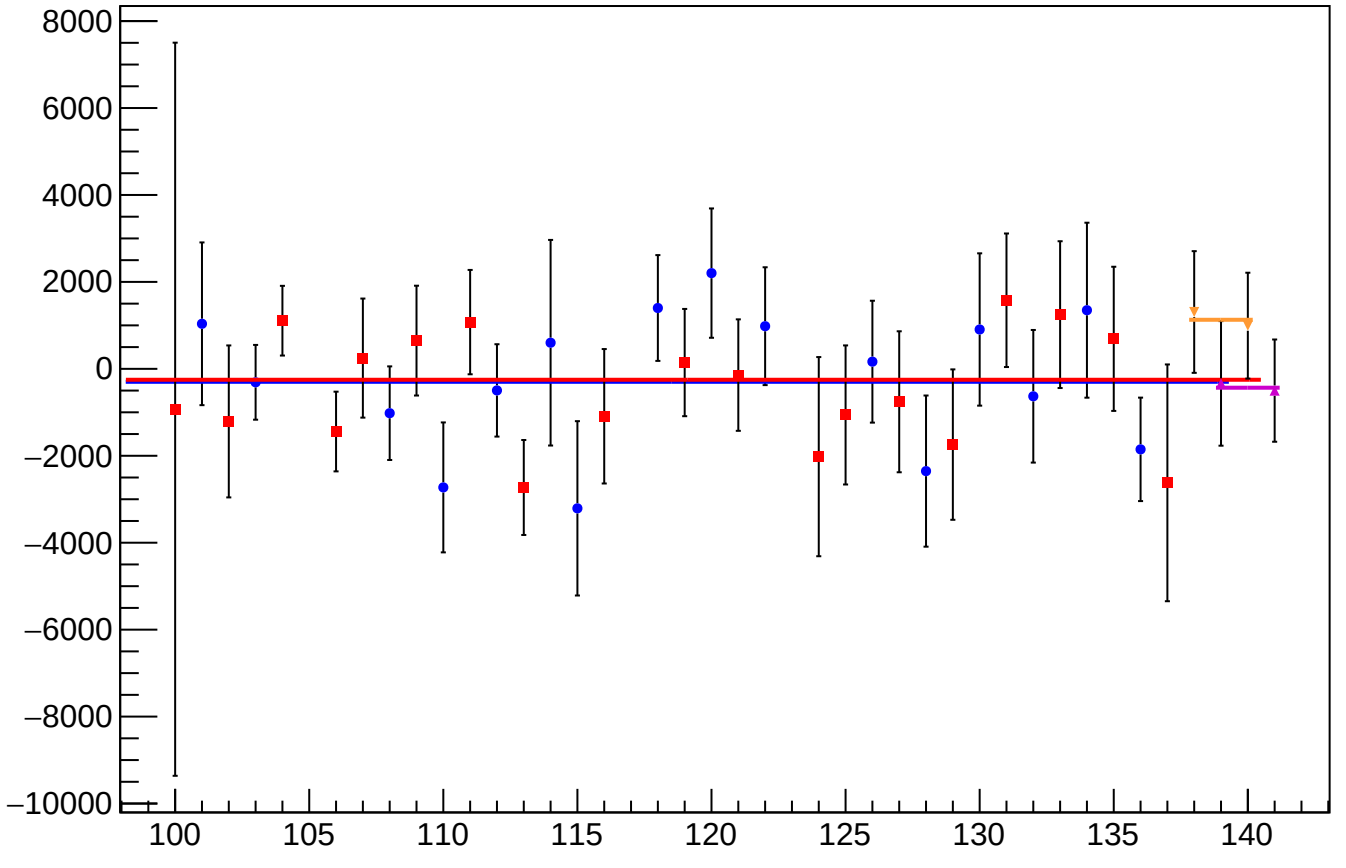
Left: 1605.081+/-0.620 χ^2/NDF: 13.6/3

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1645.743+/-0.396 χ^2/NDF:669097.4/17

Out: 1637.270+/-0.388 χ^2/NDF:138063.3/20

All: 1641.422+/-0.277 χ^2/NDF: 807394.3/38



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1128.587+/-918.840 χ^2/NDF:0.0/1

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -434.262+/-909.076 χ^2/NDF:0.0/1

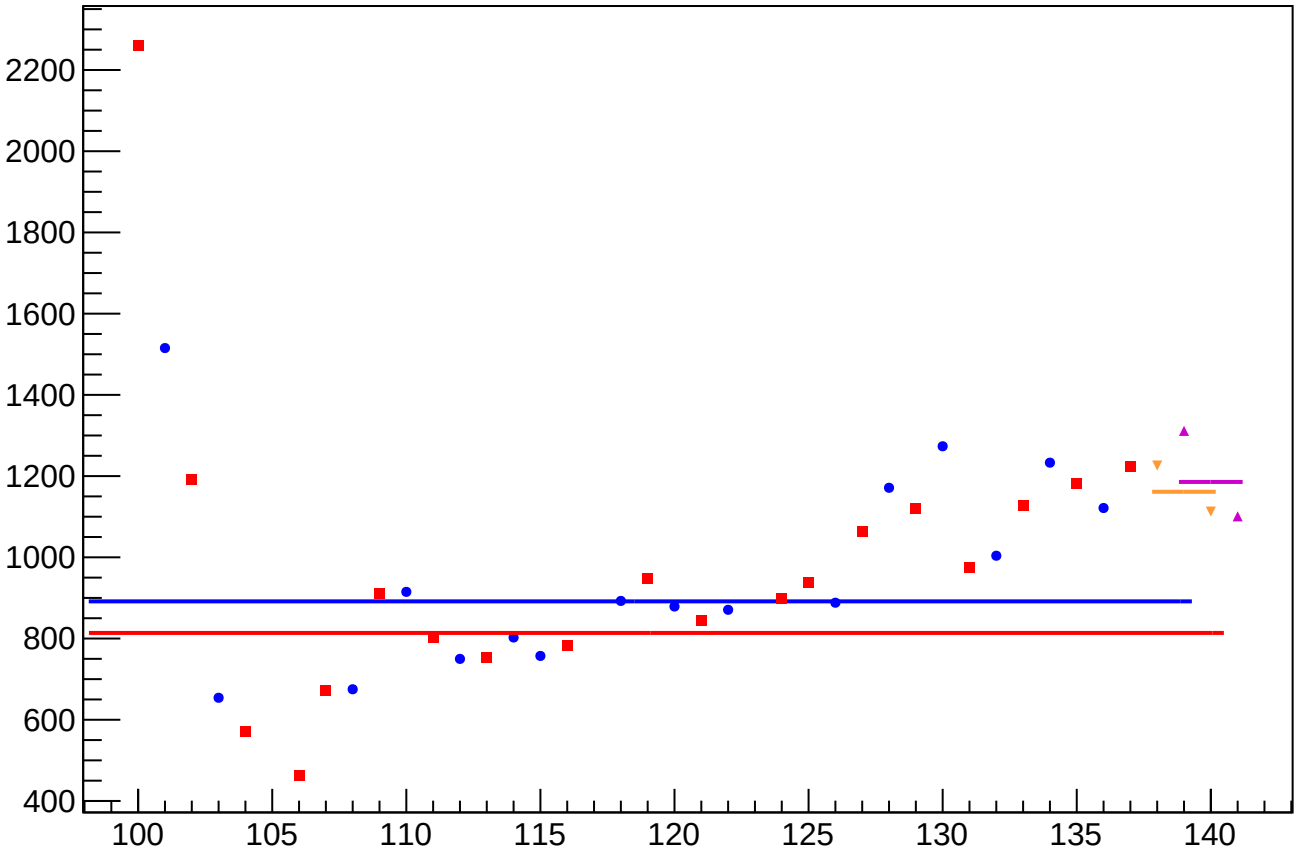
Left: 338.815+/-646.238 χ^2/NDF: 1.5/3

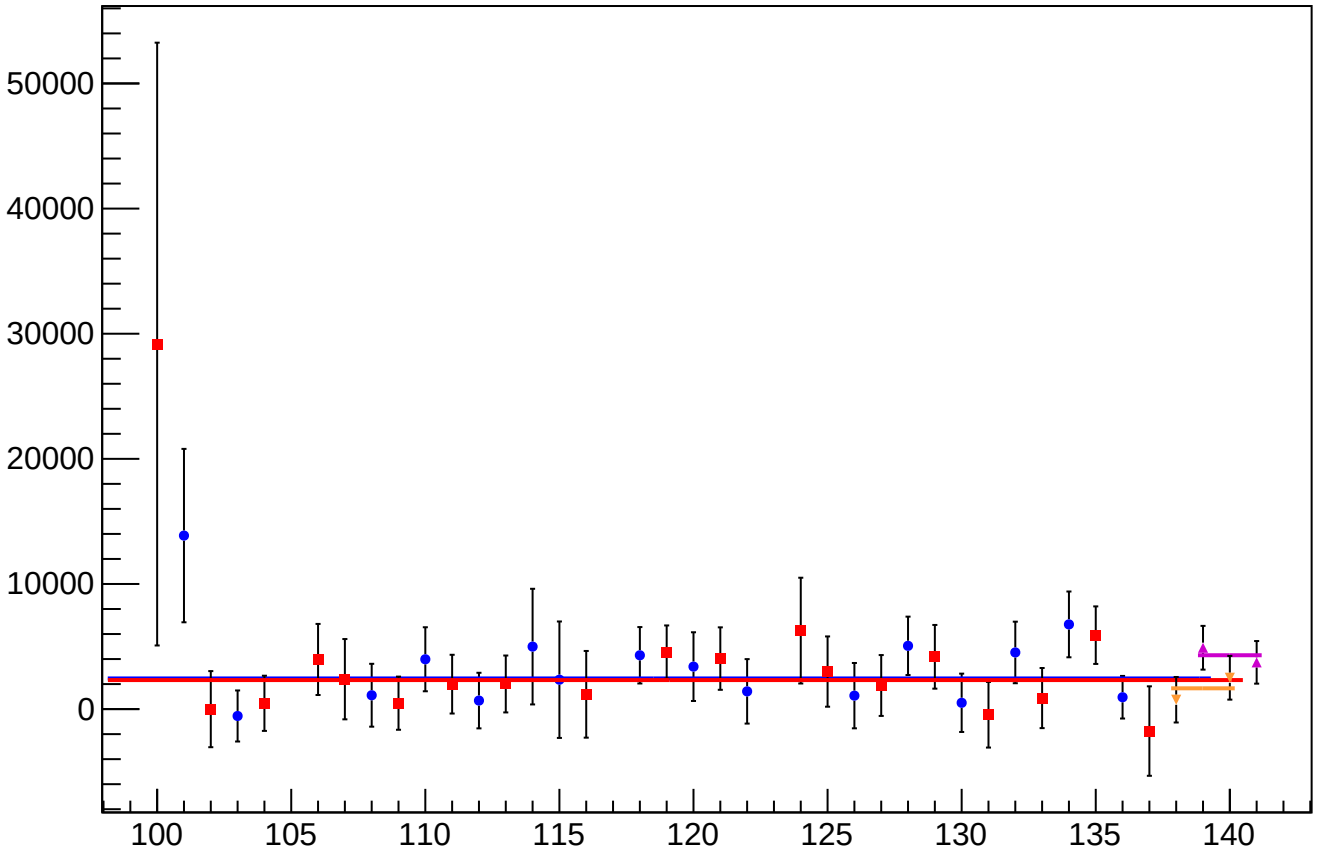
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -314.834+/-321.237 χ^2/NDF:16.0/17

Out: -105.500+/-298.610 χ^2/NDF:19.3/20

All: -202.536+/-218.711 χ^2/NDF: 35.5/38


asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
105
110
115
120
125
130
135
140
Right In: 891.533+/-0.243 χ²/NDF: 793657.2/15
Left Out: 1161.438+/-0.650 χ²/NDF:7472.9/1
Right Out: 813.807+/-0.223 χ²/NDF: 1052991.6/18
Left In: 1185.604+/-0.643 χ²/NDF:25781.4/1
Left: 1173.650+/-0.457 χ²/NDF: 33953.4/3
Right: 849.416+/-0.164 χ²/NDF: 1902171.7/34
In: 928.253+/-0.227 χ²/NDF:1002588.9/17
Out: 850.522+/-0.211 χ²/NDF:1316506.7/20
All: 886.554+/-0.155 χ²/NDF: 2381915.2/38



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1661.423+/-1259.888 χ^2/NDF:0.5/1

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 4304.696+/-1219.507 χ^2/NDF:0.2/1

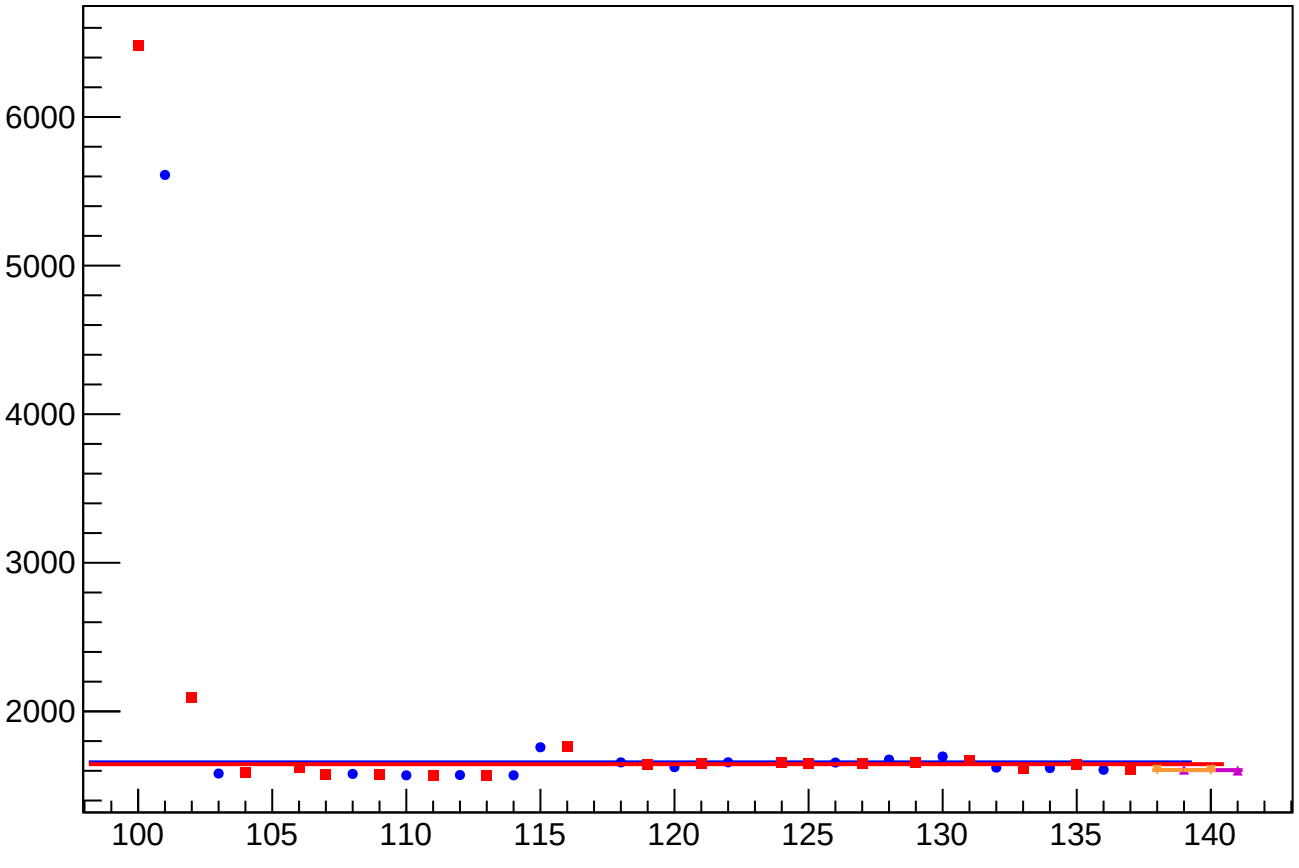
Left: 3026.098+/-876.250 χ^2/NDF: 3.0/3

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2840.461+/-559.888 χ^2/NDF:15.9/17

Out: 2195.514+/-548.783 χ^2/NDF:12.8/20

All: 2511.528+/-391.915 χ^2/NDF: 29.3/38



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1605.401+/-0.891 χ^2/NDF:0.8/1

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1604.781+/-0.862 χ^2/NDF:12.5/1

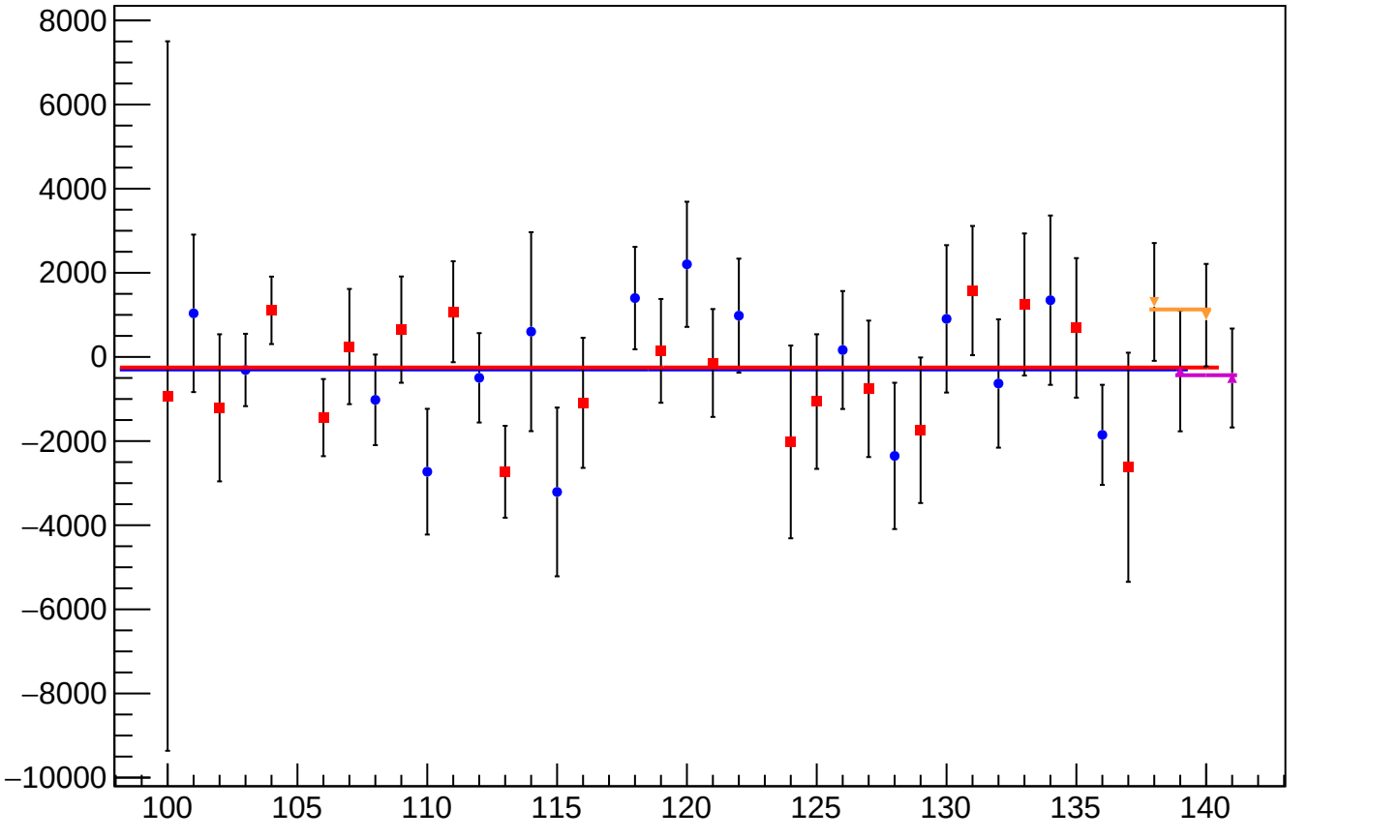
Left: 1605.081+/-0.620 χ^2/NDF: 13.6/3

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1645.743+/-0.396 χ^2/NDF:669097.4/17

Out: 1637.270+/-0.388 χ^2/NDF:138063.3/20

All: 1641.422+/-0.277 χ^2/NDF: 807394.3/38



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1128.587+/-918.840 χ^2/NDF:0.0/1

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -434.262+/-909.076 χ^2/NDF:0.0/1

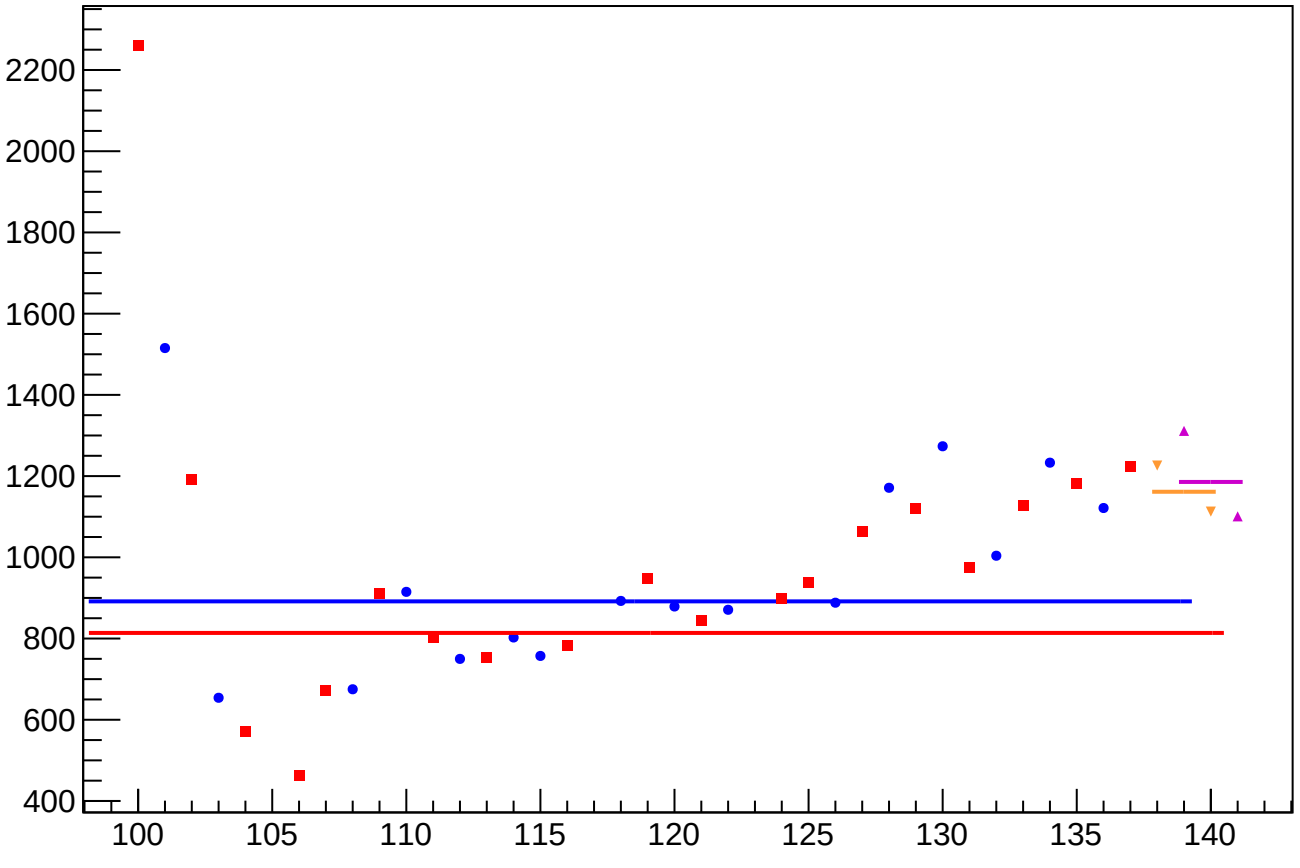
Left: 338.815+/-646.238 χ^2/NDF: 1.5/3

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -314.834+/-321.237 χ^2/NDF:16.0/17

Out: -105.500+/-298.610 χ^2/NDF:19.3/20

All: -202.536+/-218.711 χ^2/NDF: 35.5/38



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1161.438+/-0.650 χ^2/NDF:7472.9/1

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1185.604+/-0.643 χ^2/NDF:25781.4/1

Left: 1173.650+/-0.457 χ^2/NDF: 33953.4/3

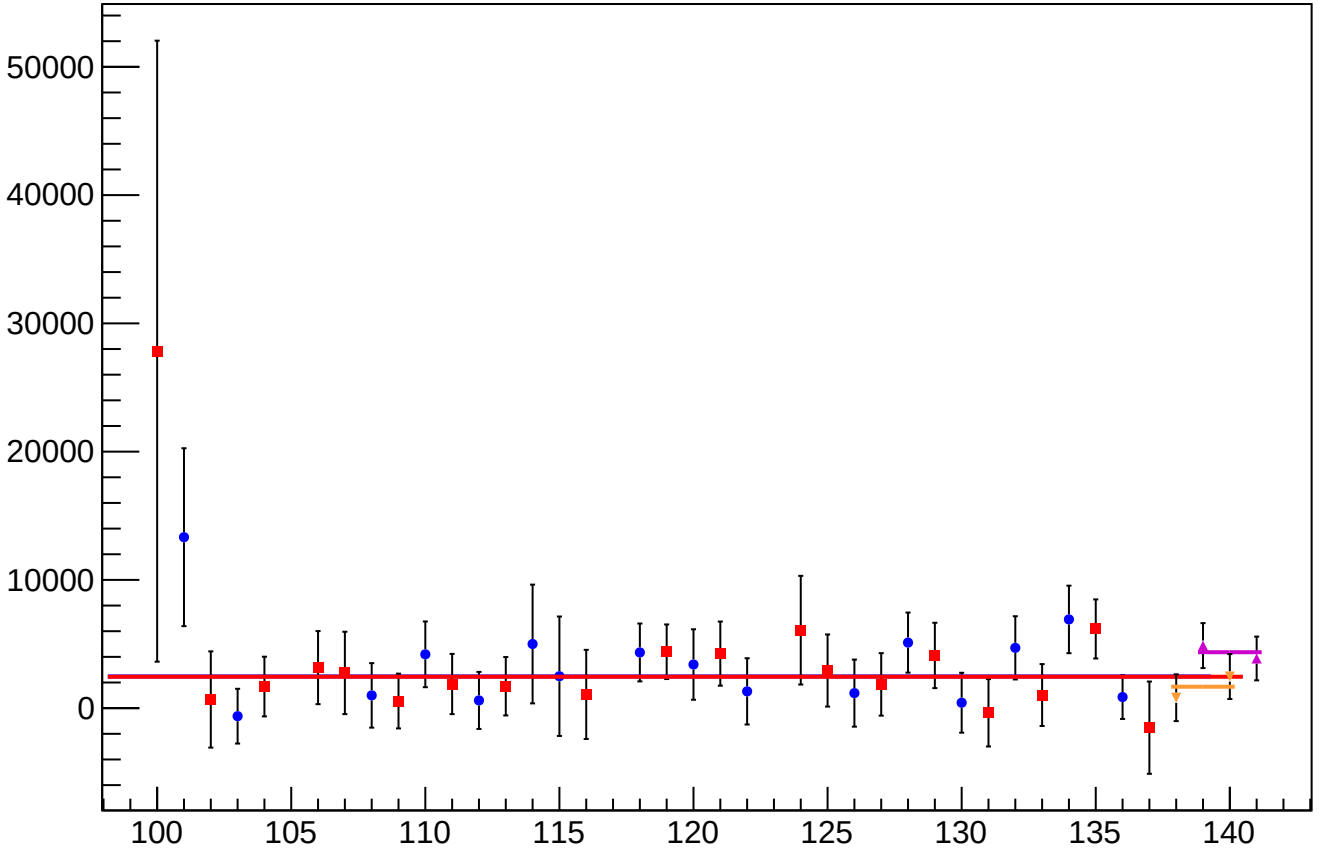
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 928.253+/-0.227 χ^2/NDF:1002588.9/17

Out: 850.522+/-0.211 χ^2/NDF:1316506.7/20

All: 886.554+/-0.155 χ^2/NDF: 2381915.2/38

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1672.517+/-1263.773 χ^2/NDF:0.4/1

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 4362.204+/-1222.203 χ^2/NDF:0.2/1

Left: 3062.325+/-878.557 χ^2/NDF: 2.9/3

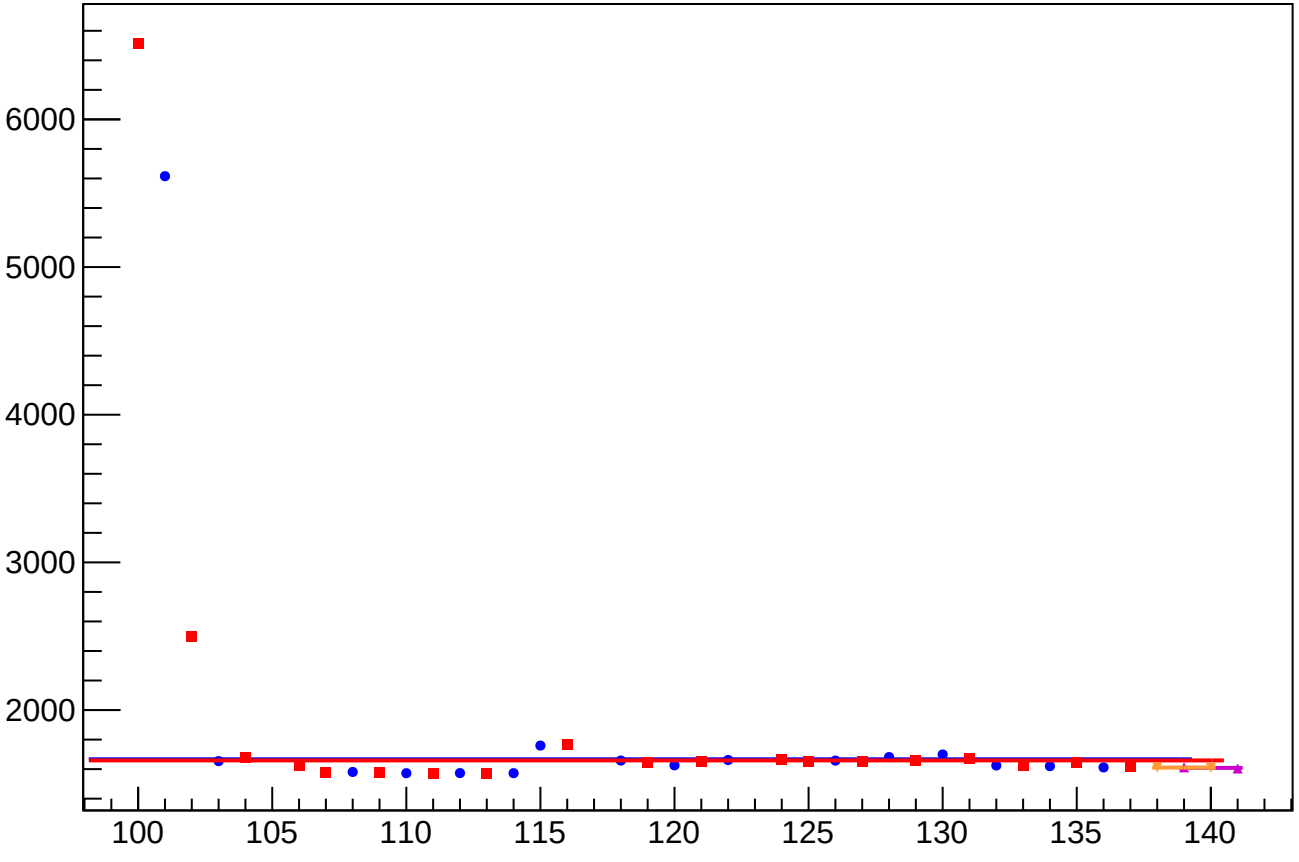
Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2875.194+/-562.693 χ^2/NDF:16.3/17

Out: 2299.378+/-554.835 χ^2/NDF:11.3/20

All: 2583.237+/-395.076 χ^2/NDF: 28.1/38

dit_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.335+/-0.894 χ^2/NDF:1.4/1

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1608.256+/-0.864 χ^2/NDF:19.7/1

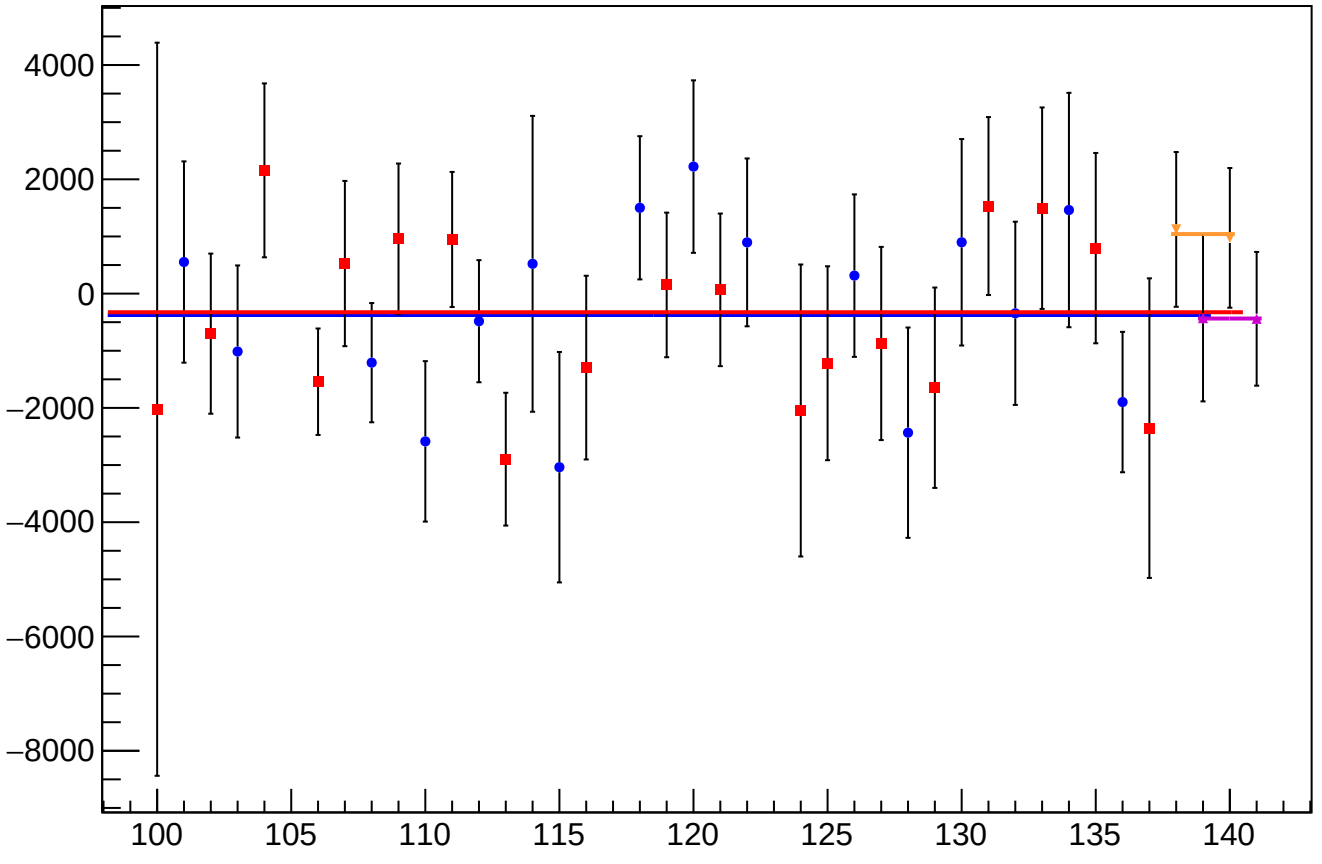
Left: 1609.261+/-0.621 χ^2/NDF: 23.8/3

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1654.076+/-0.398 χ^2/NDF:666501.1/17

Out: 1649.624+/-0.392 χ^2/NDF:195619.6/20

All: 1651.818+/-0.279 χ^2/NDF: 862184.2/38



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 1041.979+/-907.288 χ^2/NDF:0.0/1

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: -436.270+/-912.262 χ^2/NDF:0.0/1

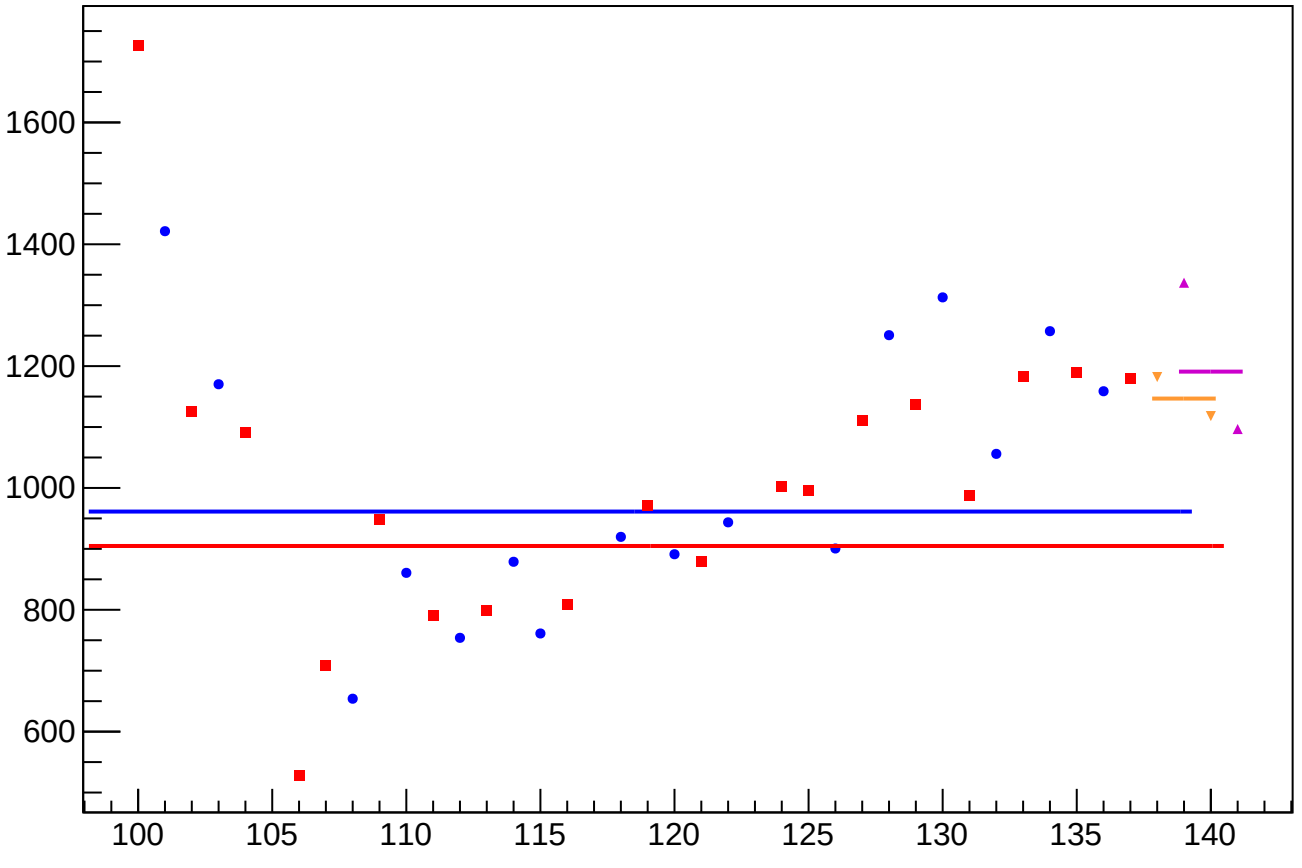
Left: 306.895+/-643.301 χ^2/NDF: 1.3/3

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -383.222+/-341.234 χ^2/NDF:15.7/17

Out: -156.720+/-318.888 χ^2/NDF:19.4/20

All: -262.312+/-232.988 χ^2/NDF: 35.4/38



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1146.732+/-0.642 χ^2/NDF:2469.5/1

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 1190.967+/-0.645 χ^2/NDF:33048.4/1

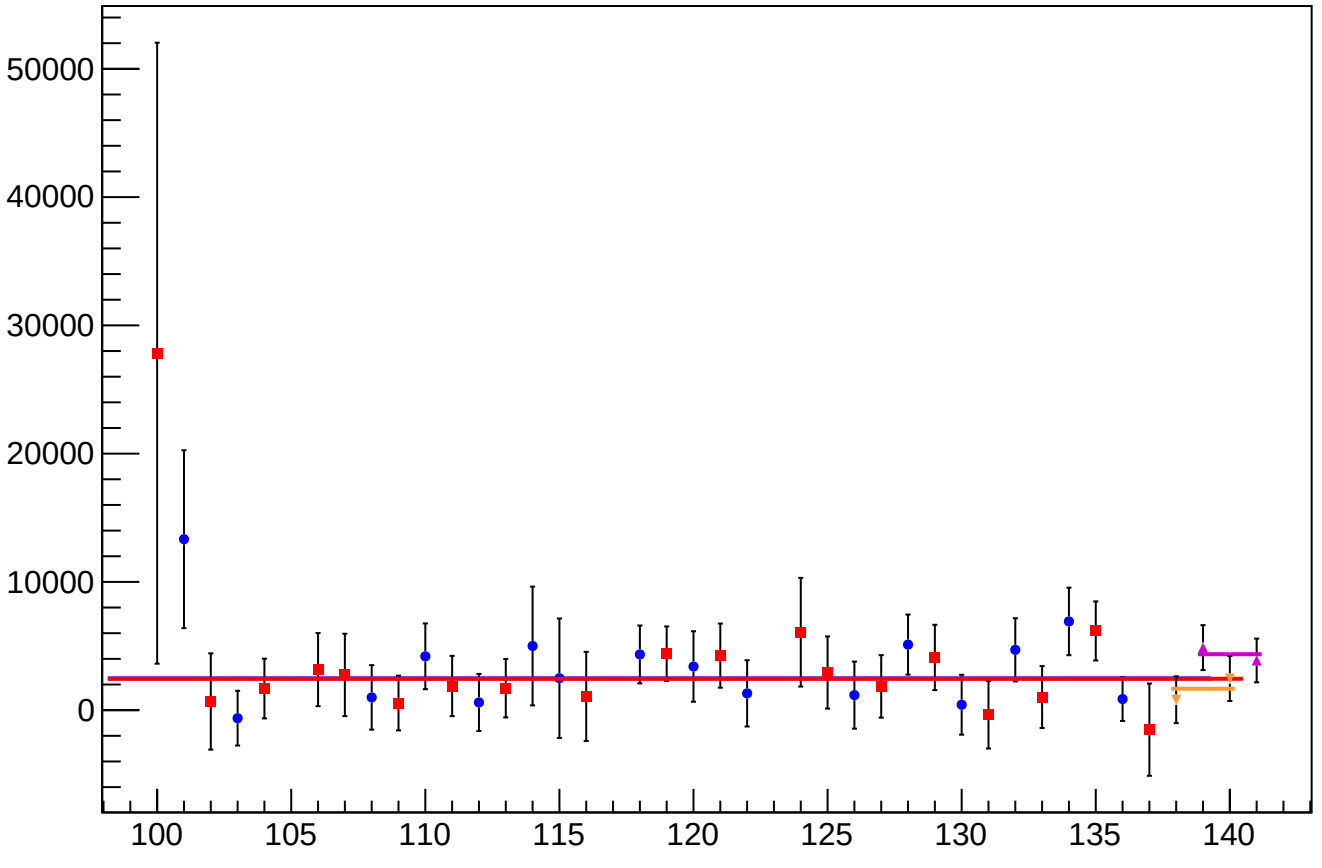
Left: 1168.728+/-0.455 χ^2/NDF: 37881.9/3

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 993.385+/-0.241 χ^2/NDF:834003.8/17

Out: 934.631+/-0.225 χ^2/NDF:863660.6/20

All: 962.021+/-0.165 χ^2/NDF: 1729315.1/38



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1672.518+/-1263.773 χ^2/NDF:0.4/1

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 4362.199+/-1222.203 χ^2/NDF:0.2/1

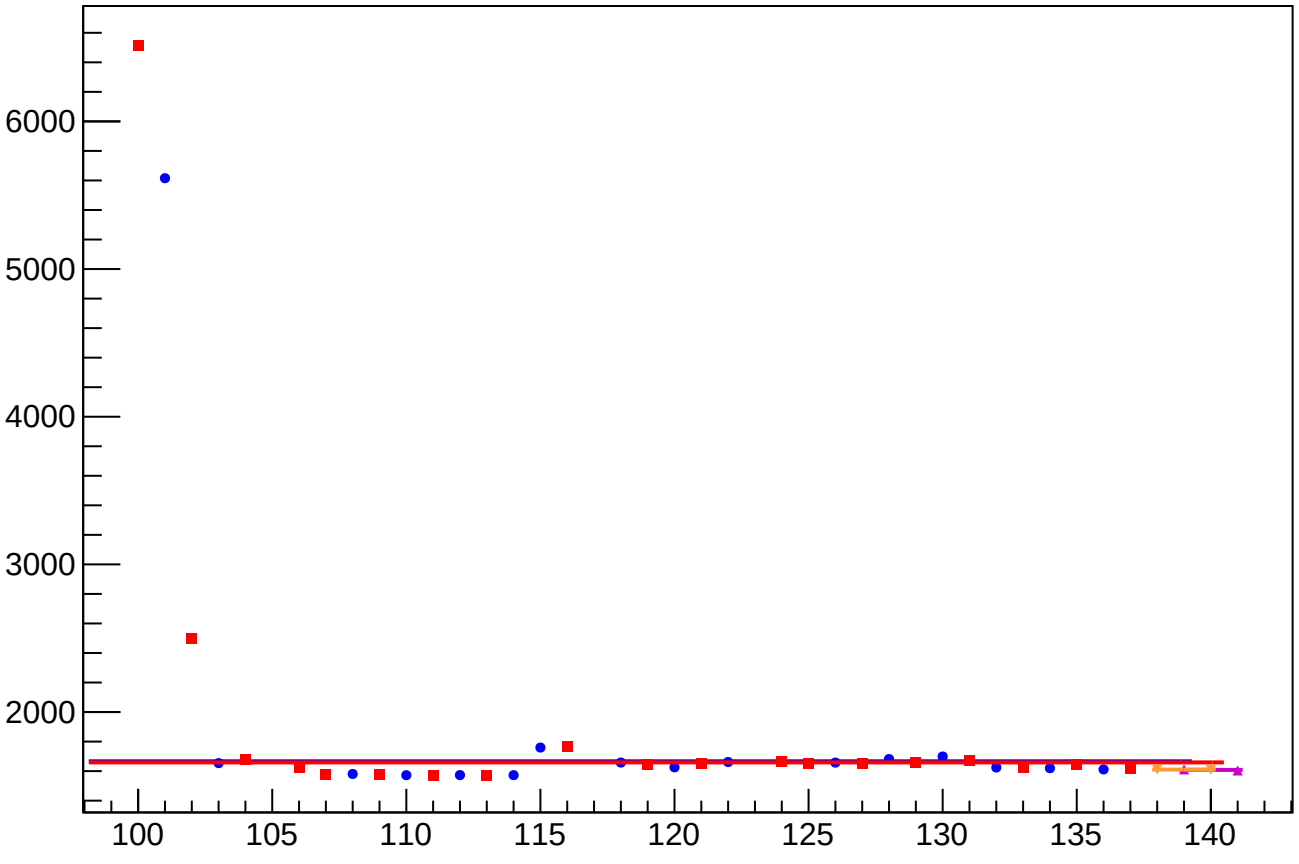
Left: 3062.323+/-878.557 χ^2/NDF: 2.9/3

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2875.192+/-562.693 χ^2/NDF:16.3/17

Out: 2299.378+/-554.835 χ^2/NDF:11.3/20

All: 2583.237+/-395.076 χ^2/NDF: 28.1/38



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.335+/-0.894 χ^2/NDF:1.4/1

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1608.256+/-0.864 χ^2/NDF:19.7/1

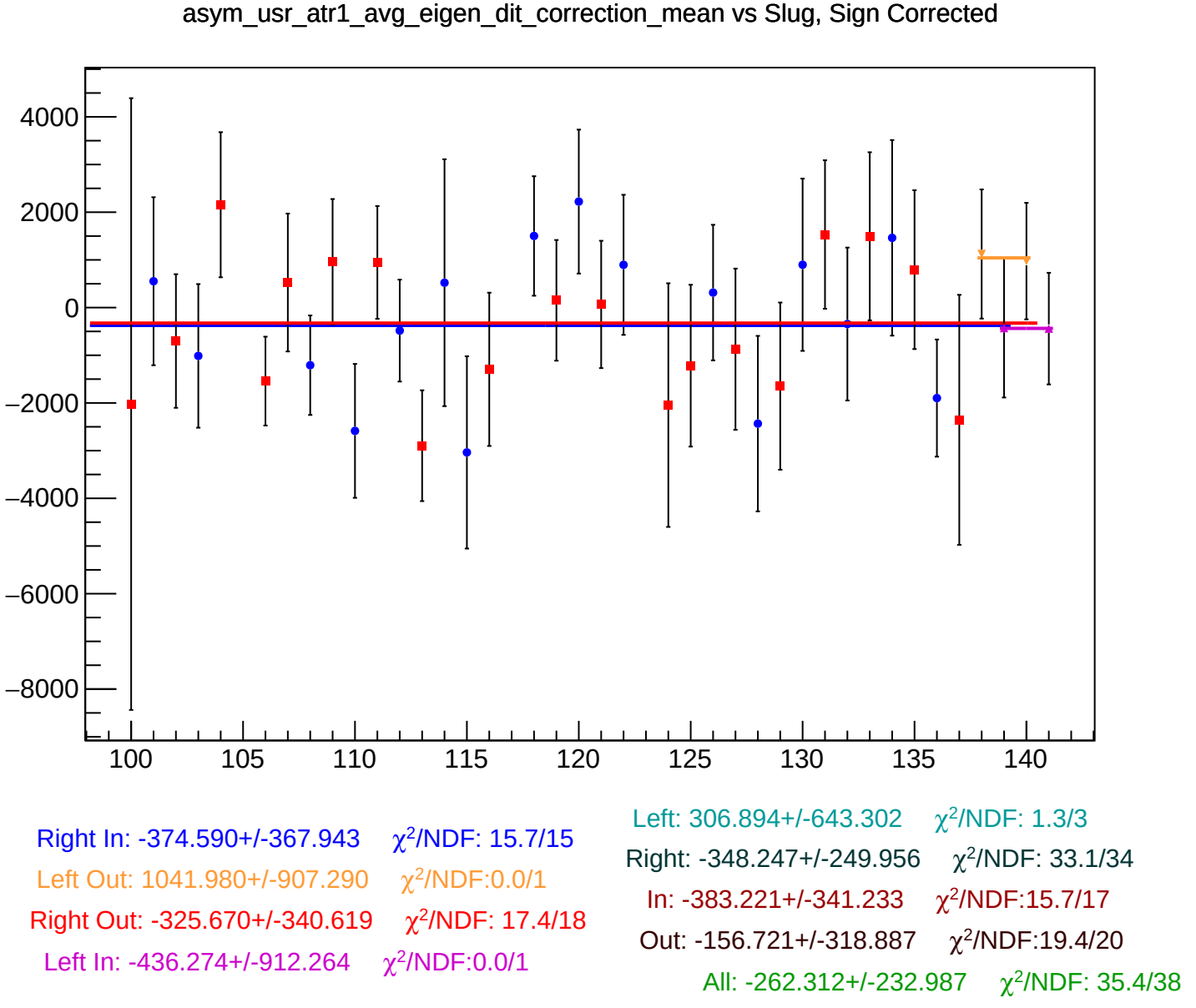
Left: 1609.261+/-0.621 χ^2/NDF: 23.8/3

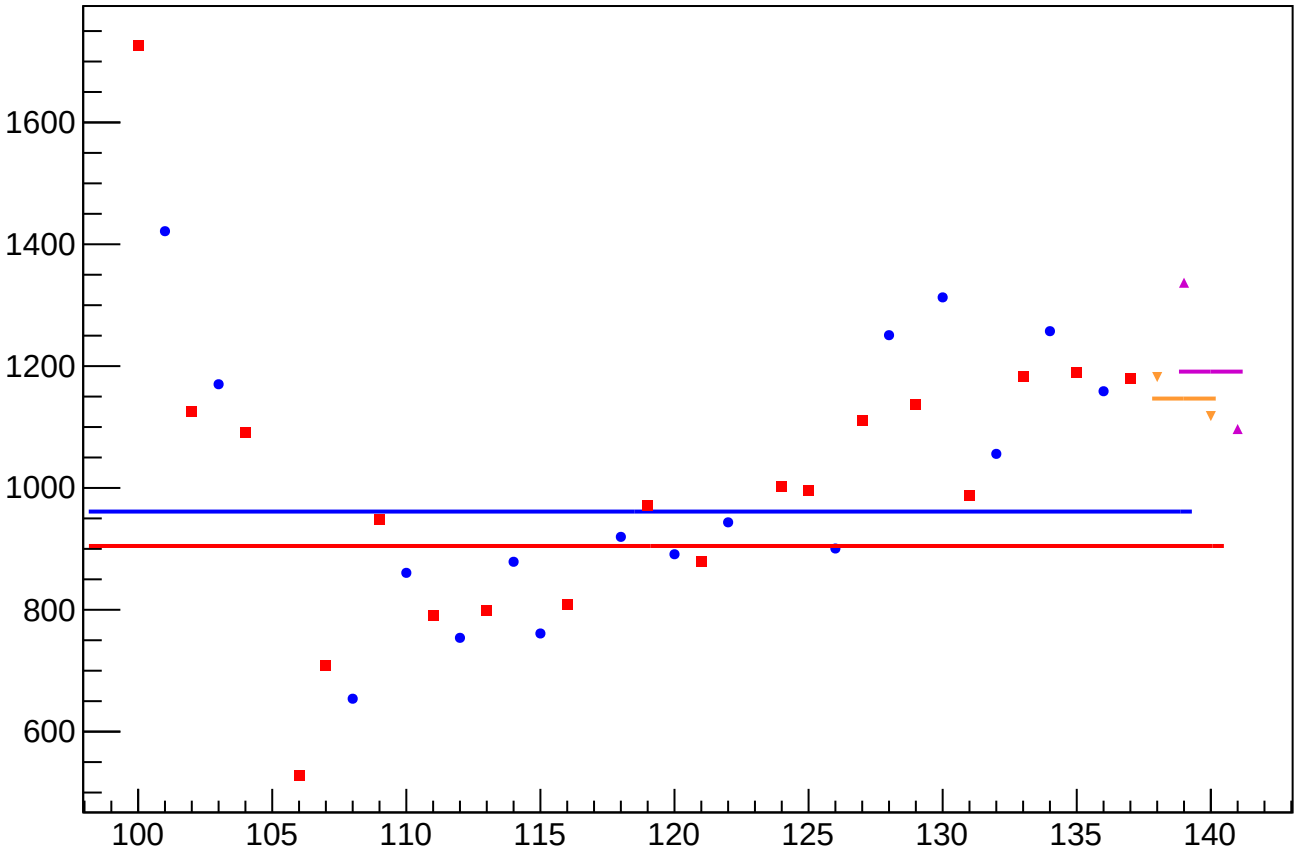
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1654.075+/-0.398 χ^2/NDF:666501.1/17

Out: 1649.624+/-0.392 χ^2/NDF:195619.4/20

All: 1651.818+/-0.279 χ^2/NDF: 862184.0/38


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
140
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: 1041.980+/-907.290 χ²/NDF:0.0/1
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: -436.274+/-912.264 χ²/NDF:0.0/1
Left: 306.894+/-643.302 χ²/NDF: 1.3/3
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -383.221+/-341.233 χ²/NDF:15.7/17
Out: -156.721+/-318.887 χ²/NDF:19.4/20
All: -262.312+/-232.987 χ²/NDF: 35.4/38



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1146.734+/-0.642 χ^2/NDF:2469.5/1

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 1190.969+/-0.645 χ^2/NDF:33048.6/1

Left: 1168.731+/-0.455 χ^2/NDF: 37882.2/3

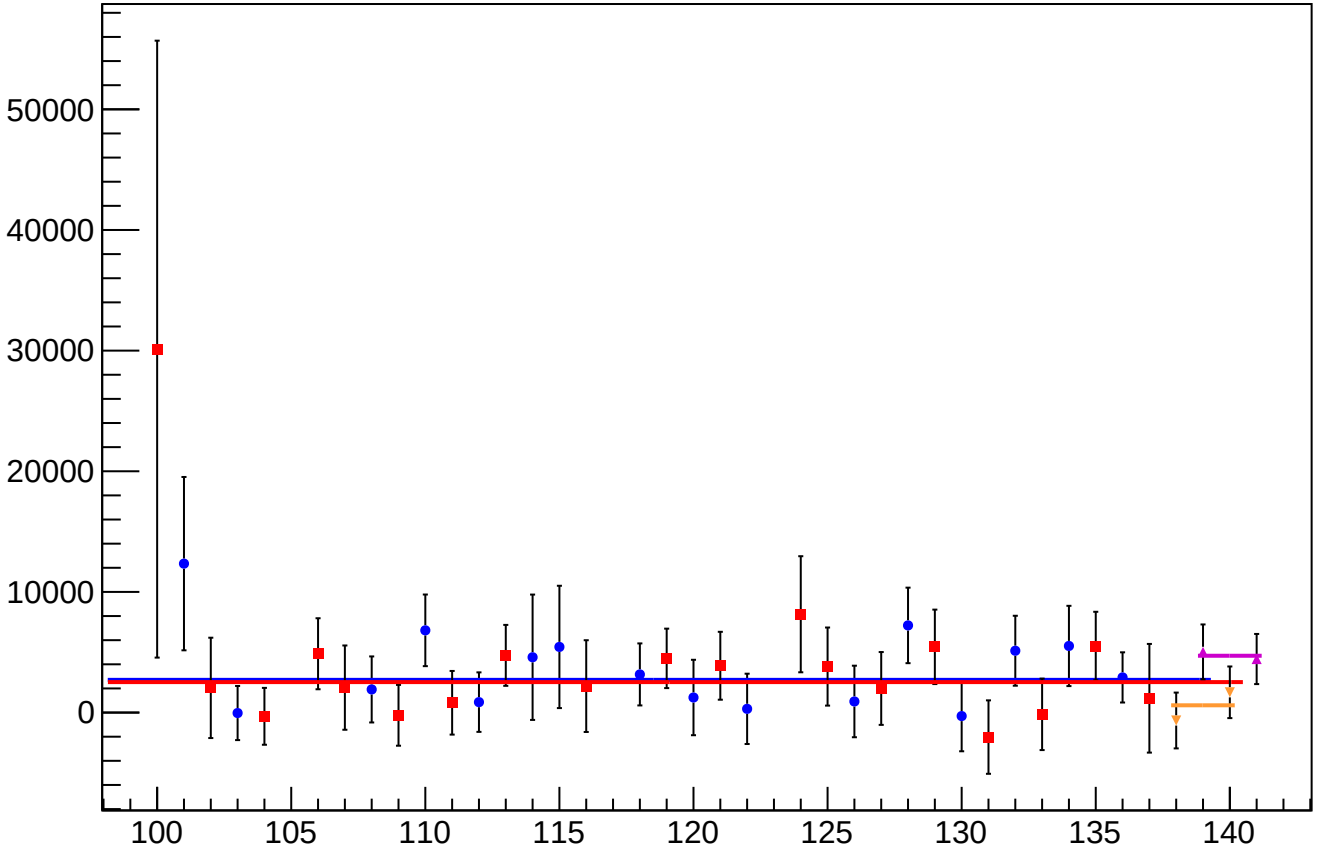
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 993.381+/-0.241 χ^2/NDF:834017.8/17

Out: 934.629+/-0.225 χ^2/NDF:863662.8/20

All: 962.018+/-0.165 χ^2/NDF: 1729330.3/38

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 602.431+/-1570.724 χ^2/NDF:0.6/1

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 4708.931+/-1533.186 χ^2/NDF:0.0/1

Left: 2705.338+/-1097.157 χ^2/NDF: 4.1/3

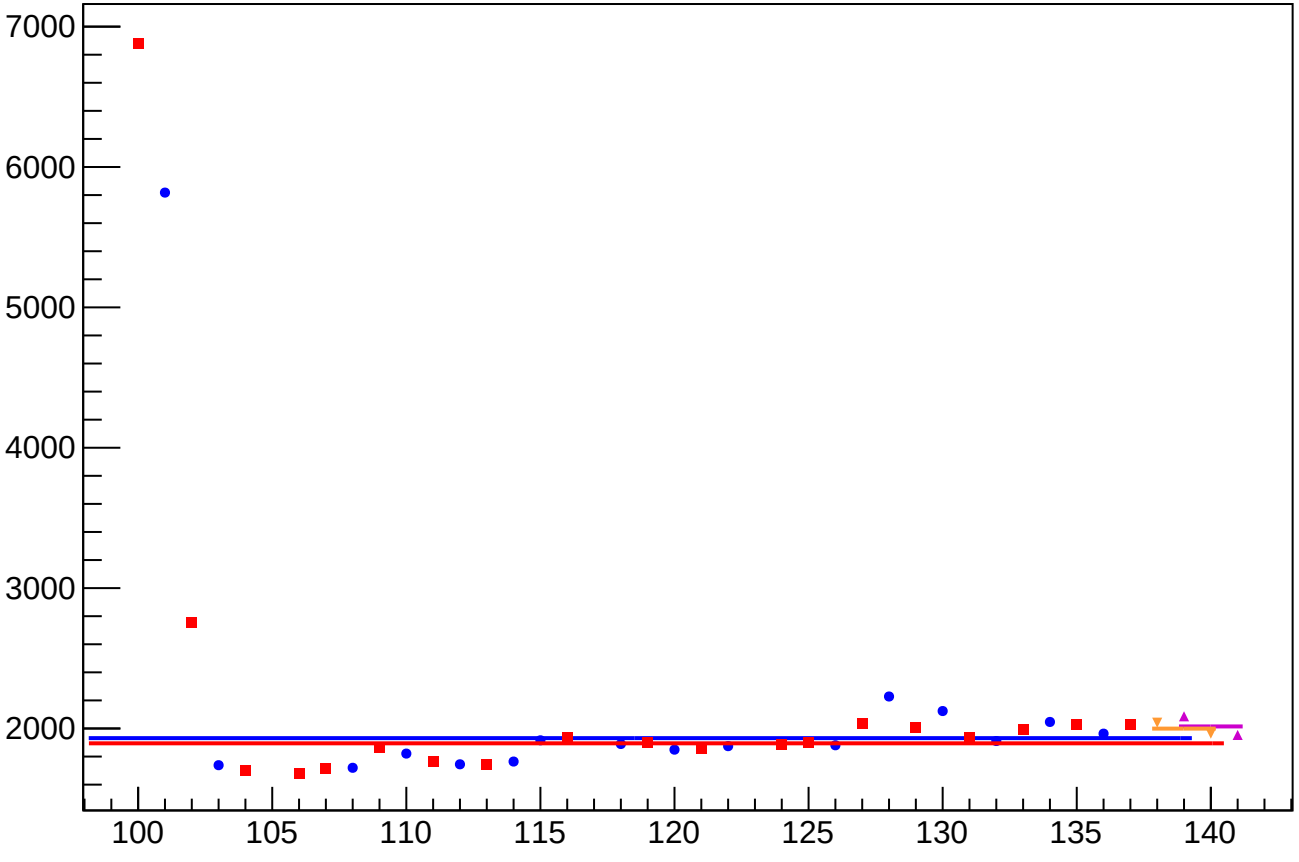
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 3084.751+/-662.841 χ^2/NDF:13.5/17

Out: 2201.974+/-644.284 χ^2/NDF:15.0/20

All: 2630.832+/-461.999 χ^2/NDF: 29.5/38

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1999.137+/-1.111 χ^2/NDF:1232.5/1

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 2014.598+/-1.084 χ^2/NDF:3711.7/1

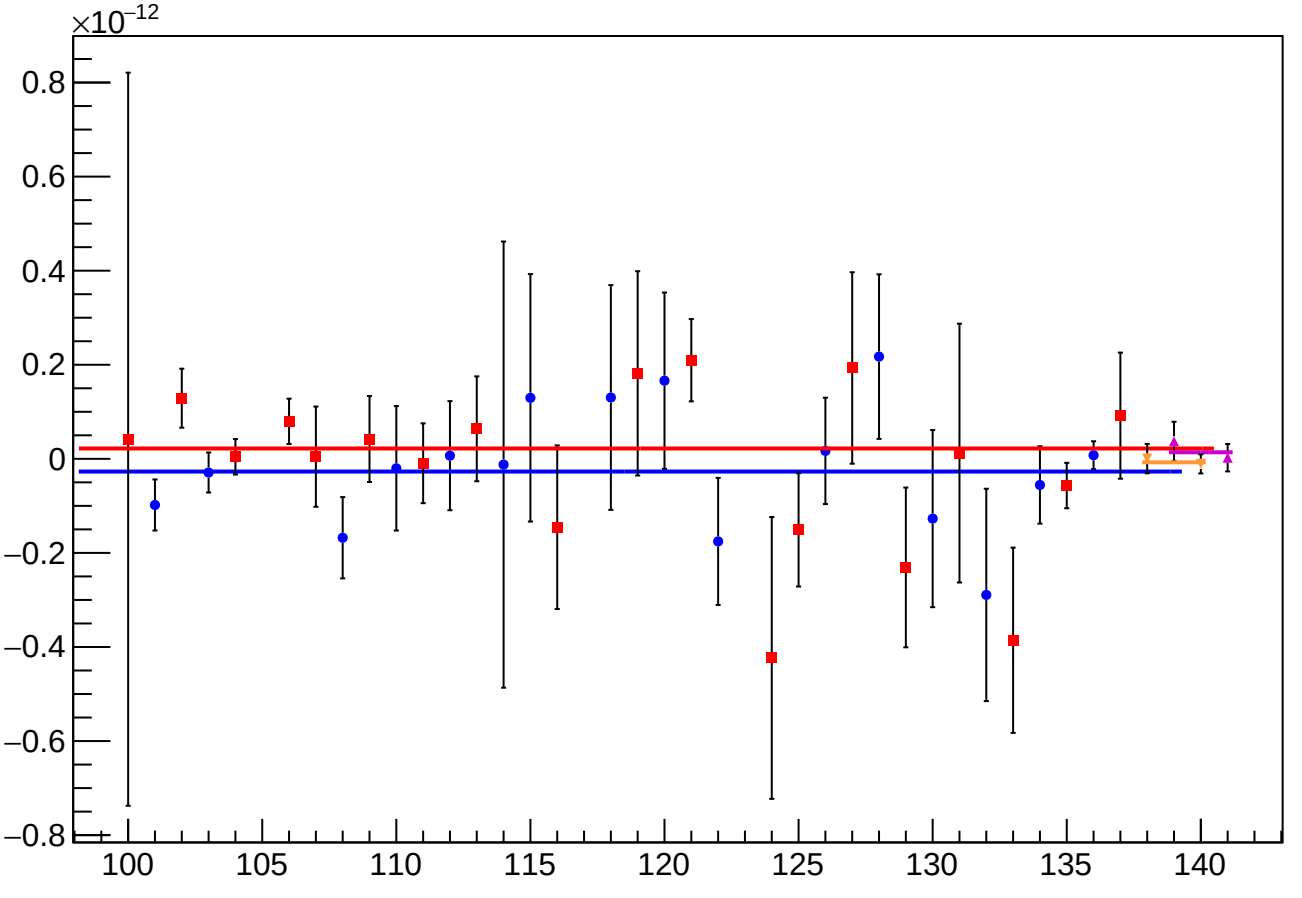
Left: 2007.054+/-0.776 χ^2/NDF: 5043.4/3

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1946.829+/-0.469 χ^2/NDF:669744.6/17

Out: 1911.979+/-0.456 χ^2/NDF:229177.2/20

All: 1928.909+/-0.327 χ^2/NDF: 901764.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

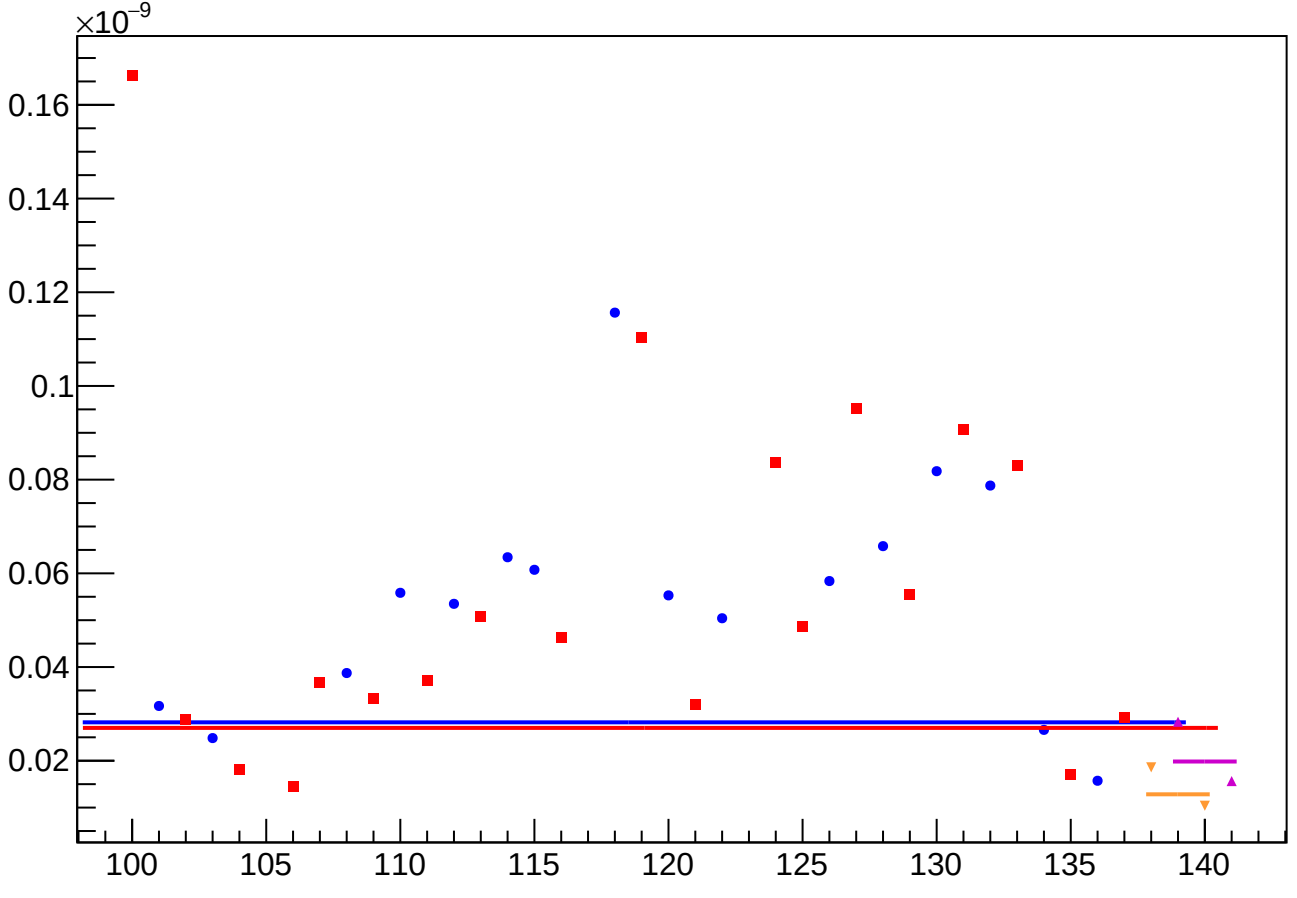
Left: -0.000+/-0.000 χ^2/NDF: 1.1/3

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:15.0/17

Out: 0.000+/-0.000 χ^2/NDF:26.8/20

All: -0.000+/-0.000 χ^2/NDF: 42.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:96795.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:124426.6/1

Left: 0.000+/-0.000 χ^2/NDF: 335243.1/3

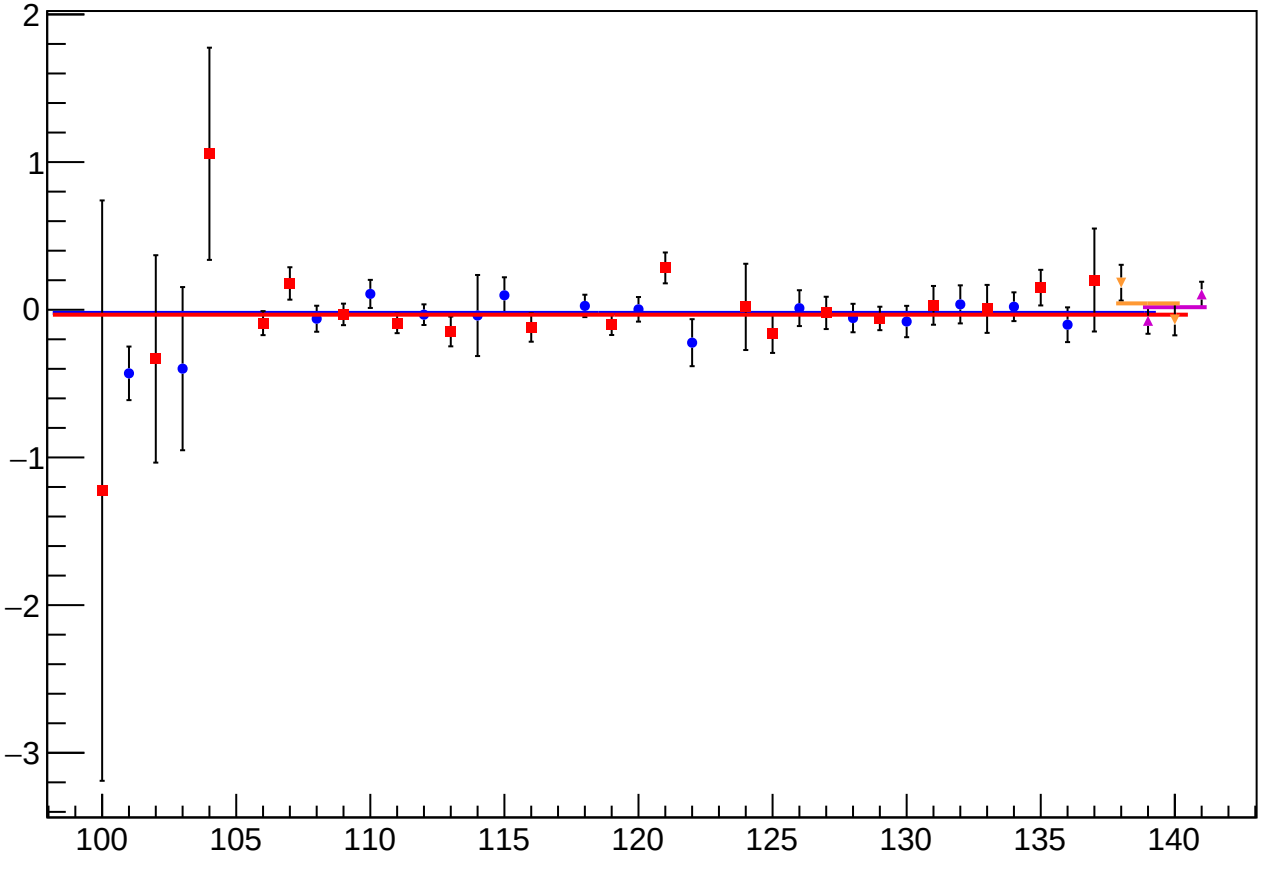
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:1764381.3/17

Out: 0.000+/-0.000 χ^2/NDF:2257177.9/20

All: 0.000+/-0.000 χ^2/NDF: 4201799.2/38

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.043+/-0.080 χ^2/NDF:2.4/1

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.061 χ^2/NDF:2.1/1

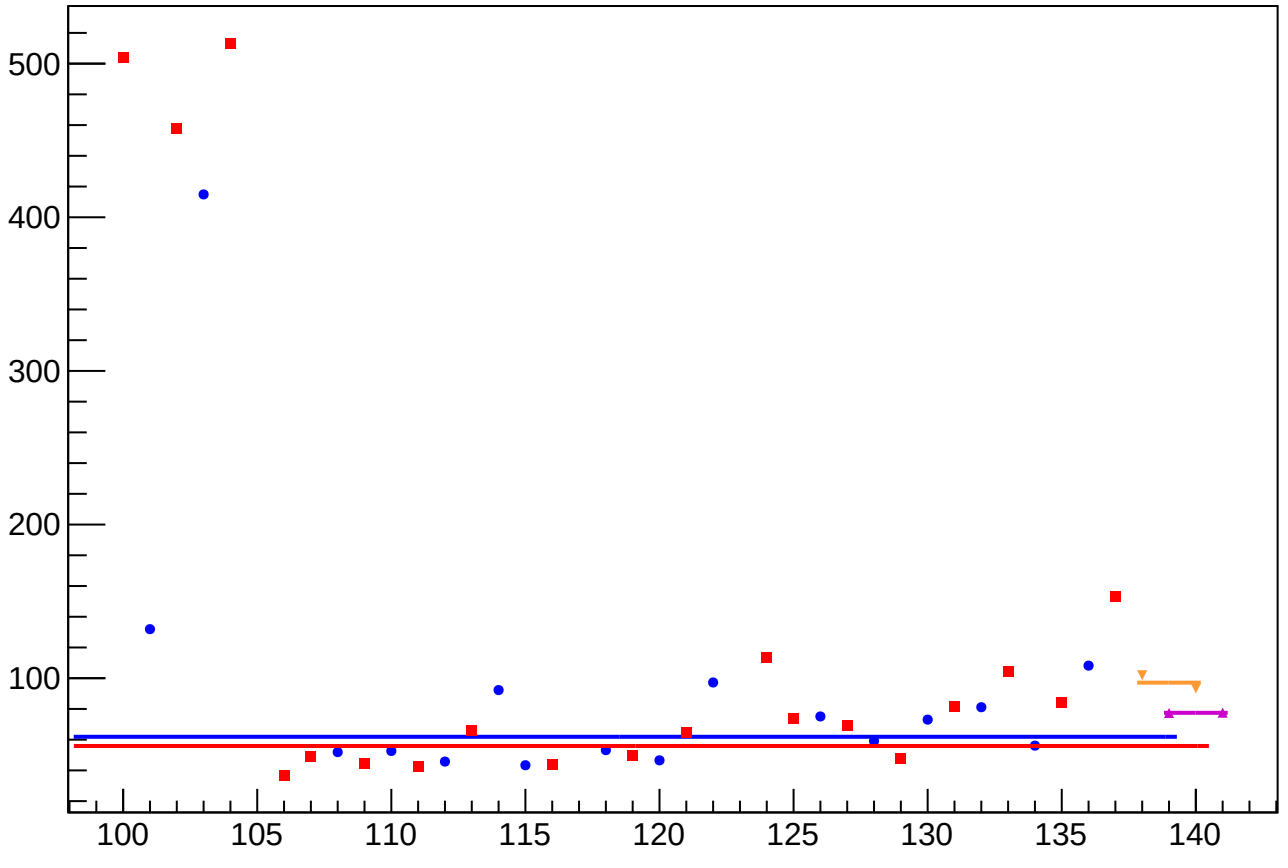
Left: 0.027+/-0.049 χ^2/NDF: 4.6/3

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.015+/-0.024 χ^2/NDF:14.5/17

Out: -0.027+/-0.024 χ^2/NDF:27.6/20

All: -0.021+/-0.017 χ^2/NDF: 42.2/38



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 97.111+/-0.057 χ^2/NDF:5572.0/1

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 77.474+/-0.043 χ^2/NDF:6.9/1

Left: 84.709+/-0.034 χ^2/NDF: 81387.9/3

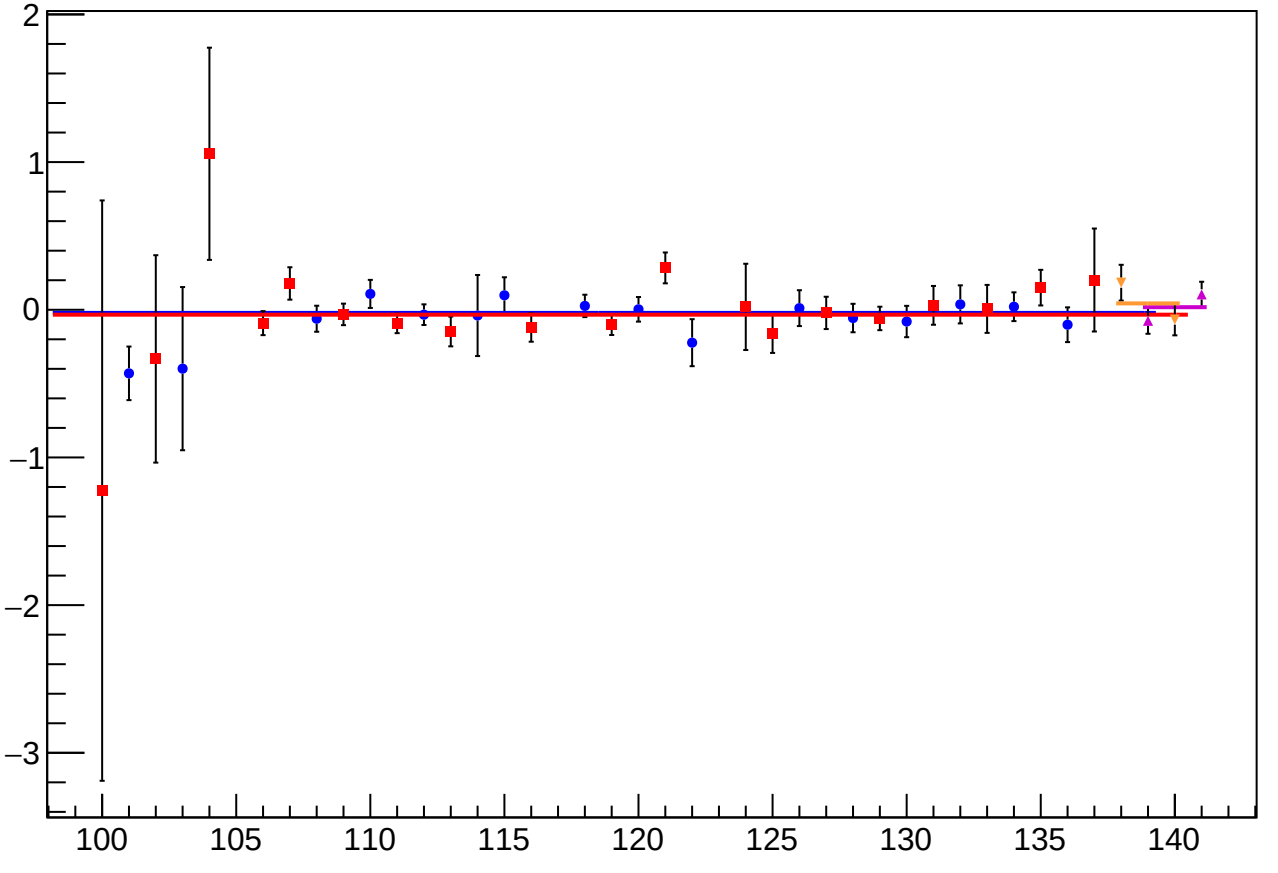
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 64.346+/-0.017 χ^2/NDF:2047237.4/17

Out: 59.432+/-0.017 χ^2/NDF:3080382.7/20

All: 61.801+/-0.012 χ^2/NDF: 5169770.9/38

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.043+/-0.080 χ^2/NDF:2.4/1

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.061 χ^2/NDF:2.1/1

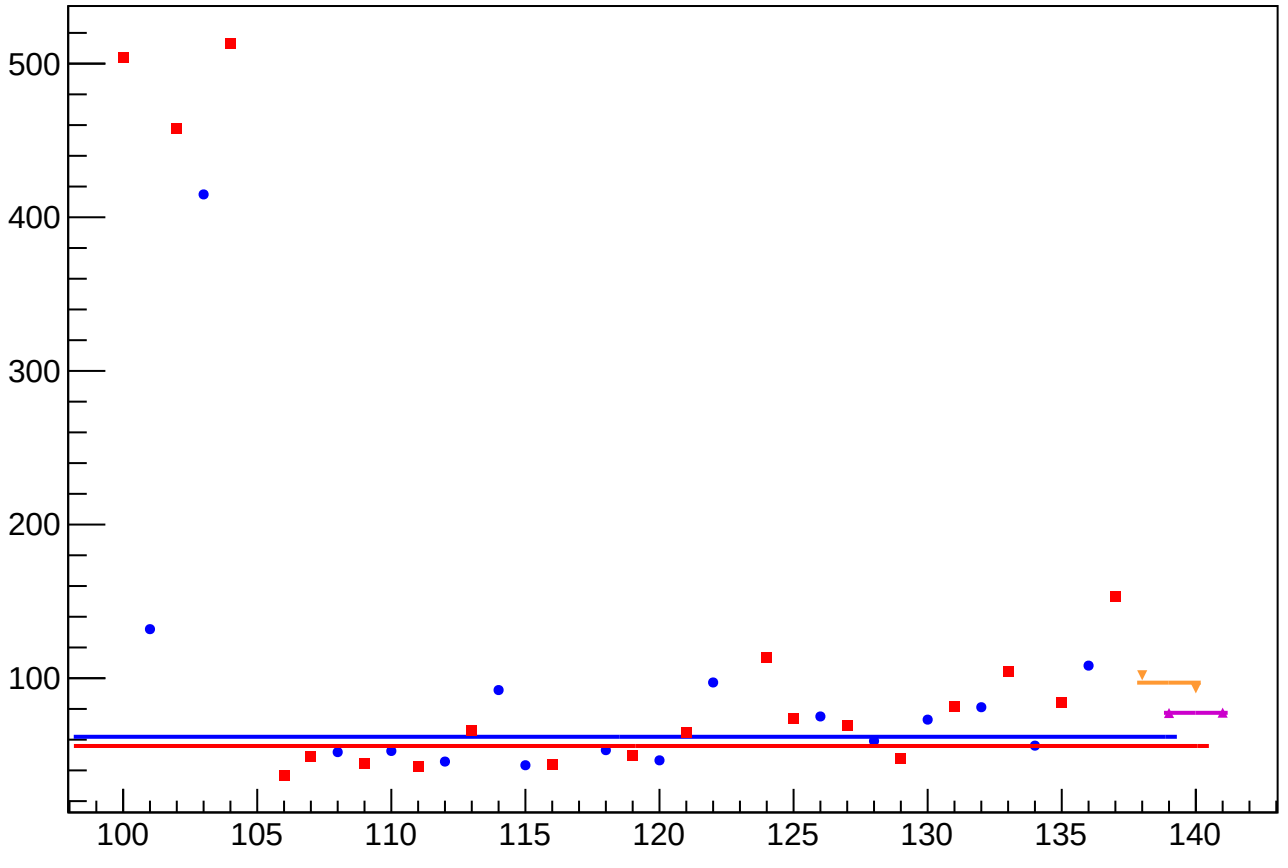
Left: 0.027+/-0.049 χ^2/NDF: 4.6/3

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.015+/-0.024 χ^2/NDF:14.5/17

Out: -0.027+/-0.024 χ^2/NDF:27.6/20

All: -0.021+/-0.017 χ^2/NDF: 42.2/38



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 97.111+/-0.057 χ^2/NDF:5572.0/1

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 77.474+/-0.043 χ^2/NDF:6.9/1

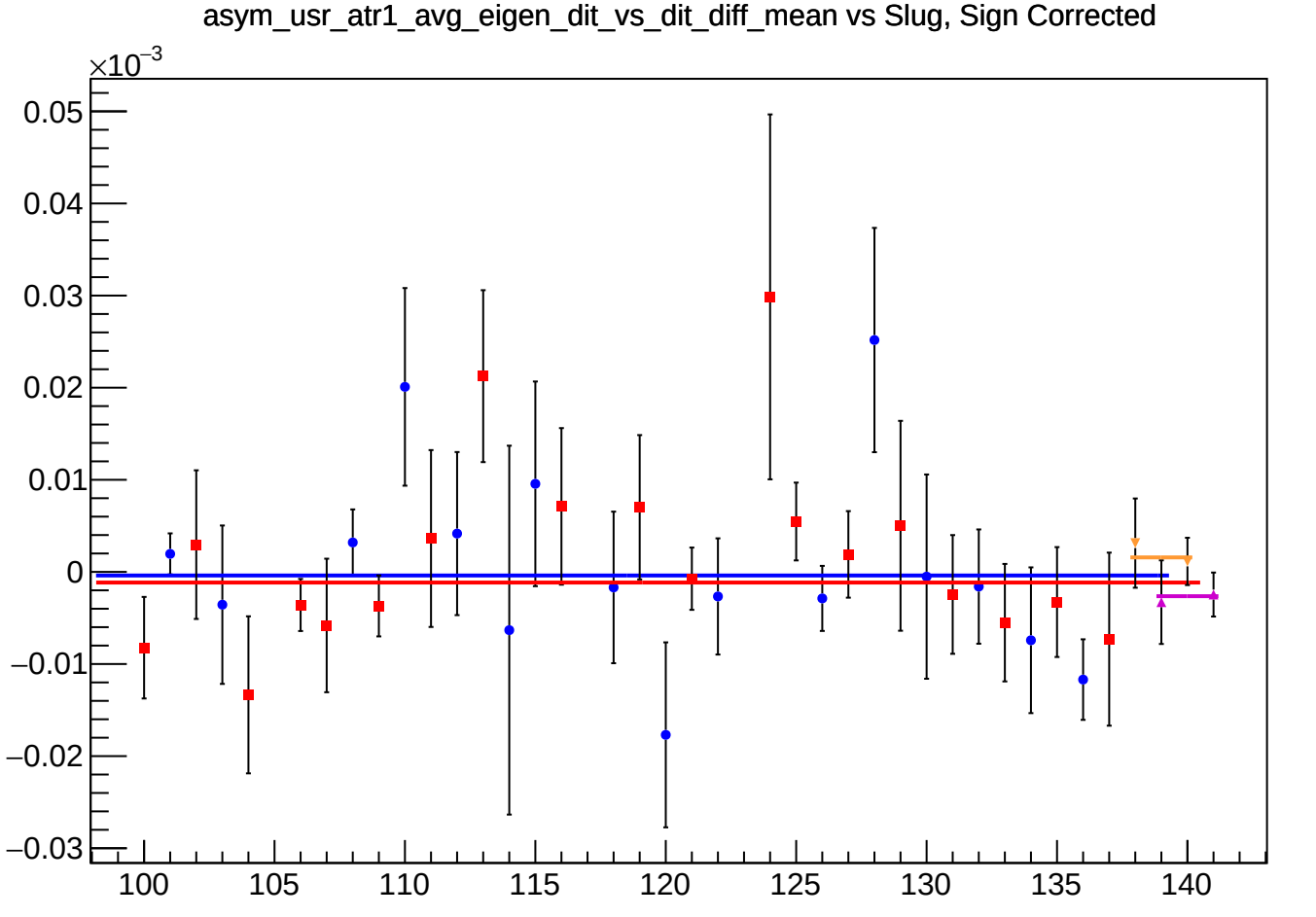
Left: 84.709+/-0.034 χ^2/NDF: 81387.9/3

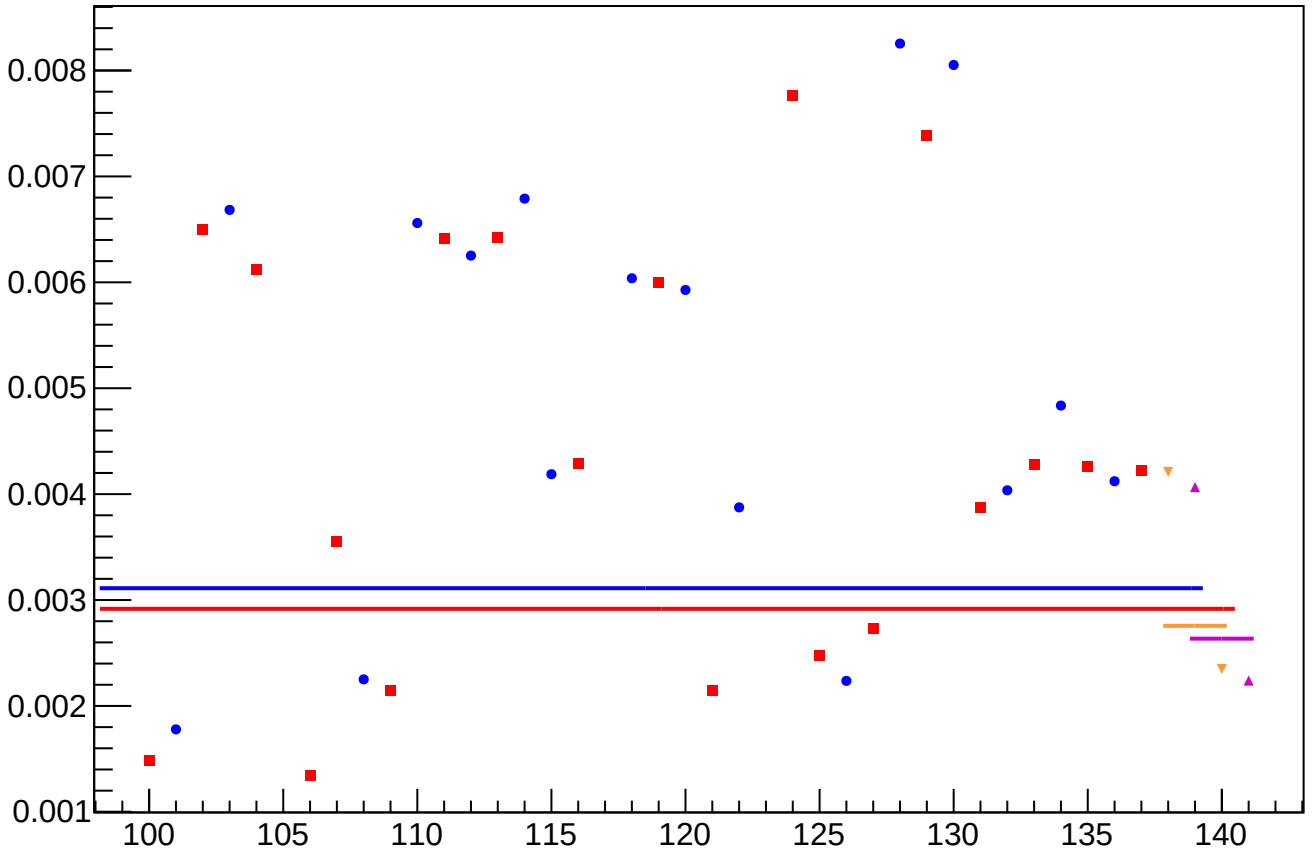
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 64.346+/-0.017 χ^2/NDF:2047237.4/17

Out: 59.432+/-0.017 χ^2/NDF:3080382.7/20

All: 61.801+/-0.012 χ^2/NDF: 5169770.9/38


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:0.1/1
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/18
Left In: -0.000+/-0.000 χ²/NDF:0.0/1
Left: -0.000+/-0.000 χ²/NDF: 2.0/3
Right: -0.000+/-0.000 χ²/NDF: 43.2/34
In: -0.000+/-0.000 χ²/NDF:23.4/17
Out: -0.000+/-0.000 χ²/NDF:21.7/20
All: -0.000+/-0.000 χ²/NDF: 45.2/38



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:230514.2/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.003+/-0.000 χ^2/NDF:253783.9/1

Left: 0.003+/-0.000 χ^2/NDF: 487345.3/3

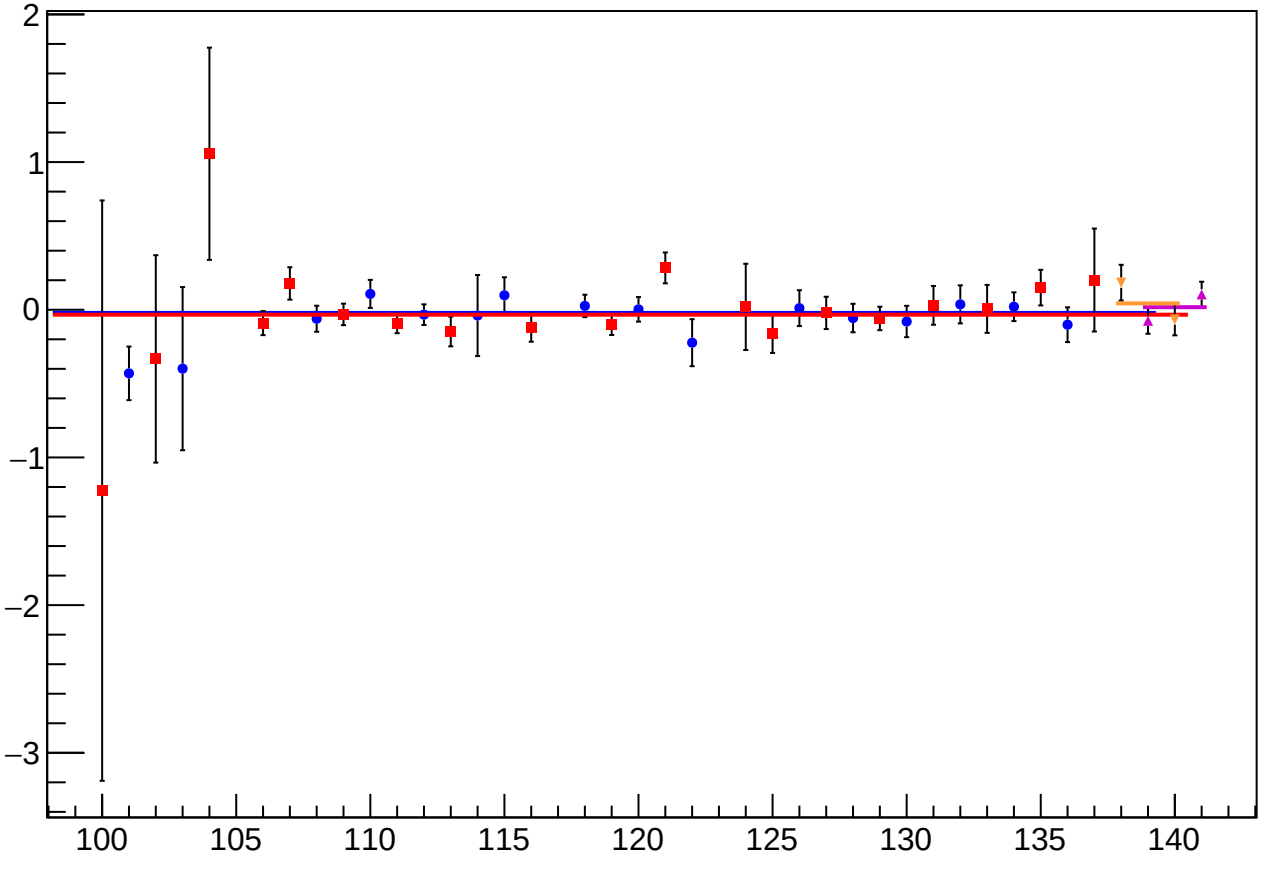
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:3610438.8/17

Out: 0.003+/-0.000 χ^2/NDF:3533716.7/20

All: 0.003+/-0.000 χ^2/NDF: 7151736.8/38

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.043+/-0.080 χ^2/NDF:2.4/1

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.061 χ^2/NDF:2.1/1

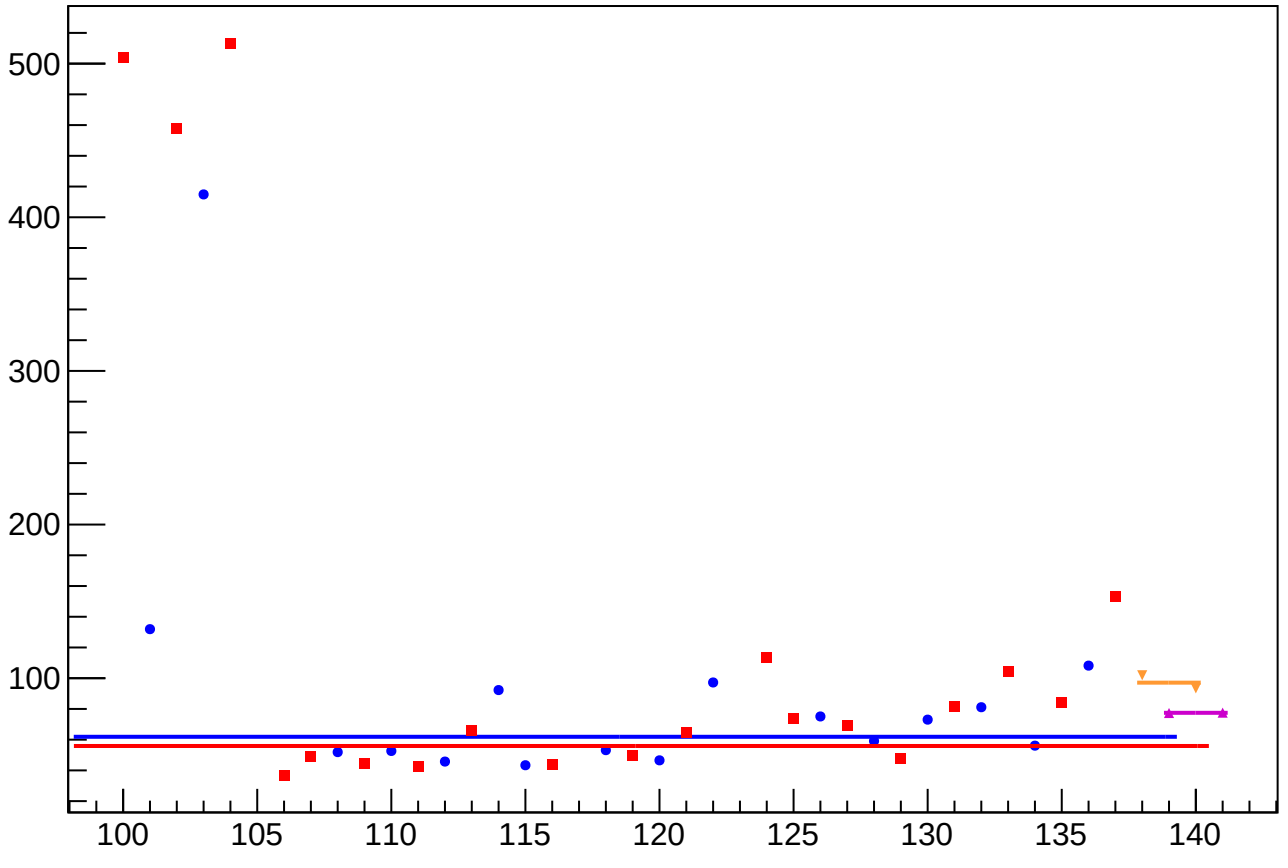
Left: 0.027+/-0.049 χ^2/NDF: 4.6/3

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.015+/-0.024 χ^2/NDF:14.5/17

Out: -0.027+/-0.024 χ^2/NDF:27.6/20

All: -0.021+/-0.017 χ^2/NDF: 42.2/38



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 97.111+/-0.057 χ^2/NDF:5573.2/1

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 77.475+/-0.043 χ^2/NDF:6.8/1

Left: 84.709+/-0.034 χ^2/NDF: 81387.6/3

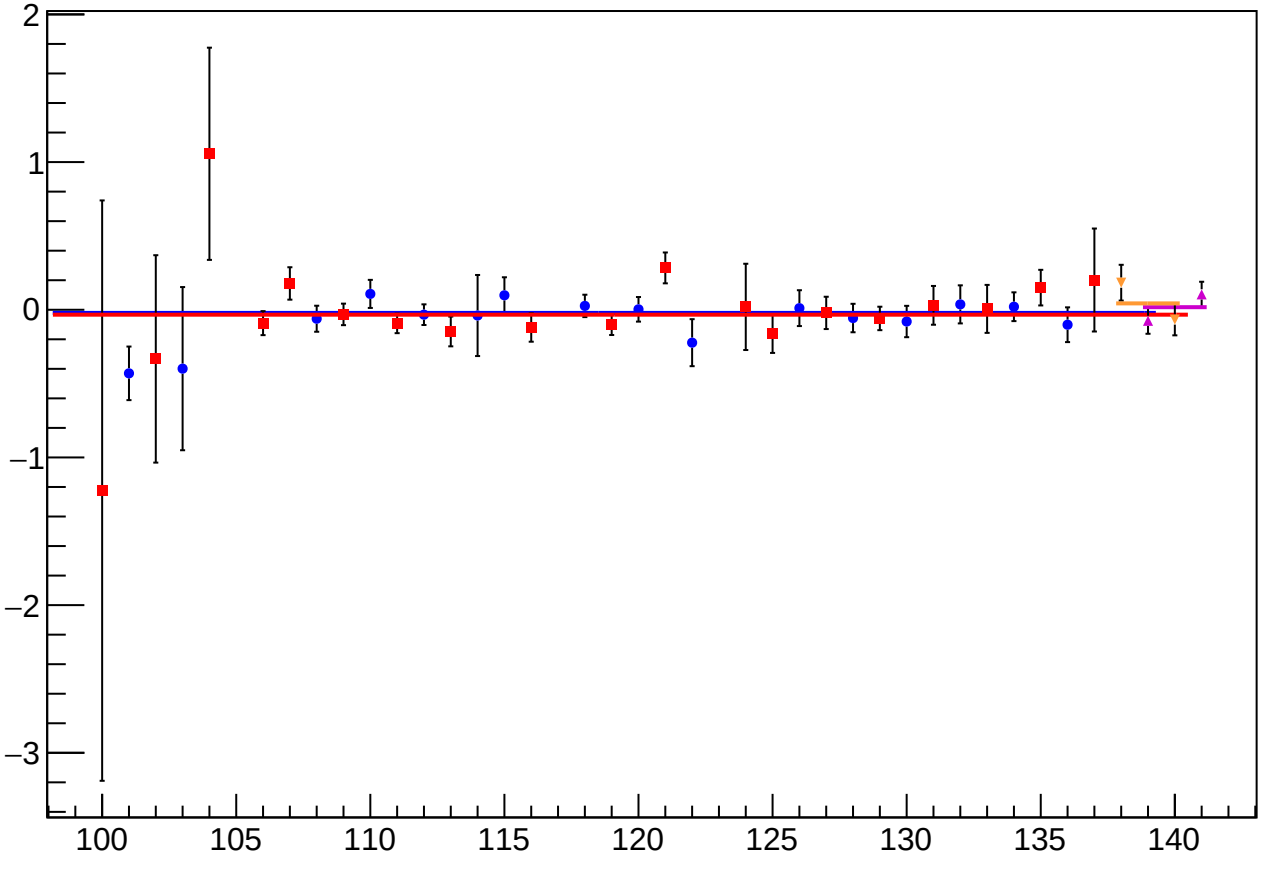
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 64.346+/-0.017 χ^2/NDF:2047200.1/17

Out: 59.431+/-0.017 χ^2/NDF:3080363.7/20

All: 61.800+/-0.012 χ^2/NDF: 5169719.7/38

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.043+/-0.080 χ^2/NDF:2.4/1

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.061 χ^2/NDF:2.1/1

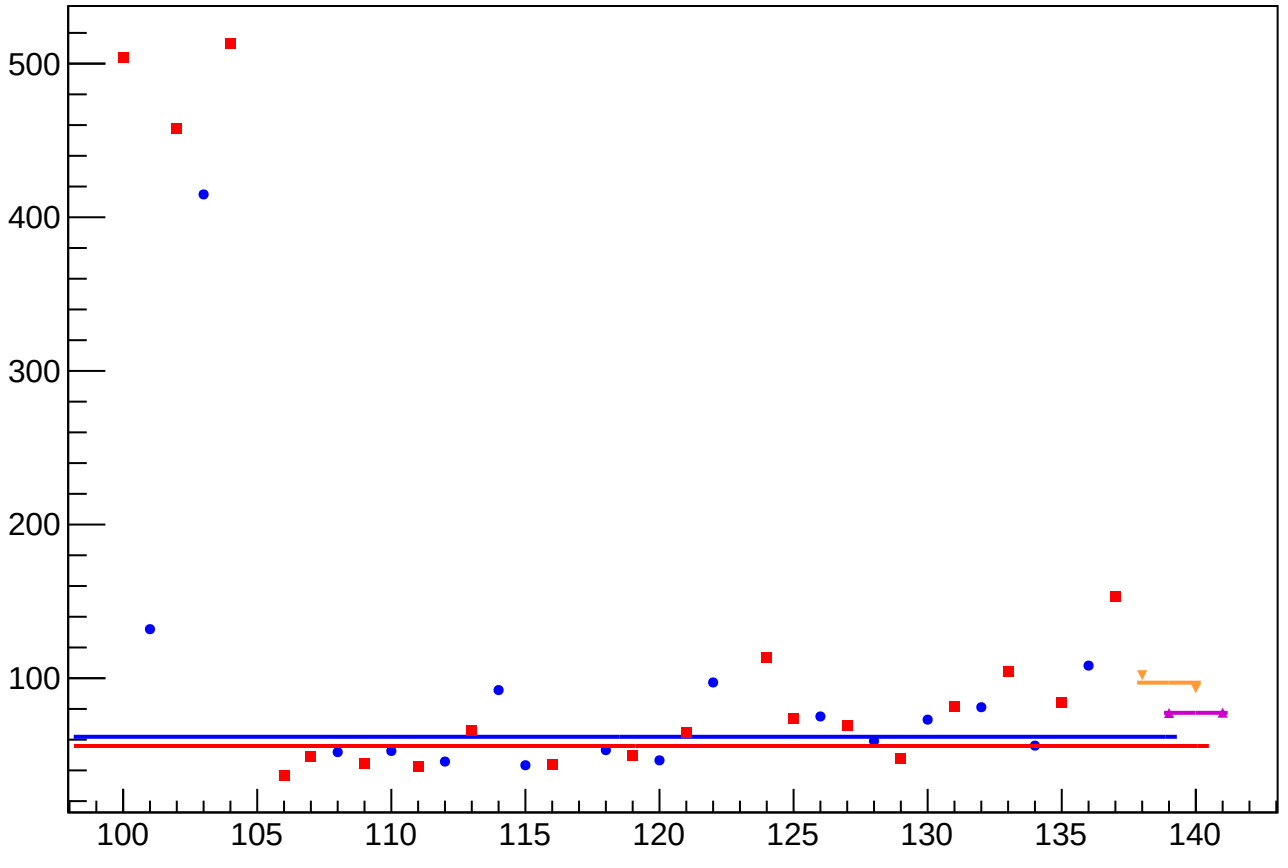
Left: 0.027+/-0.049 χ^2/NDF: 4.6/3

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.015+/-0.024 χ^2/NDF:14.5/17

Out: -0.027+/-0.024 χ^2/NDF:27.6/20

All: -0.021+/-0.017 χ^2/NDF: 42.2/38



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 97.111+/-0.057 χ^2/NDF:5573.2/1

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 77.475+/-0.043 χ^2/NDF:6.8/1

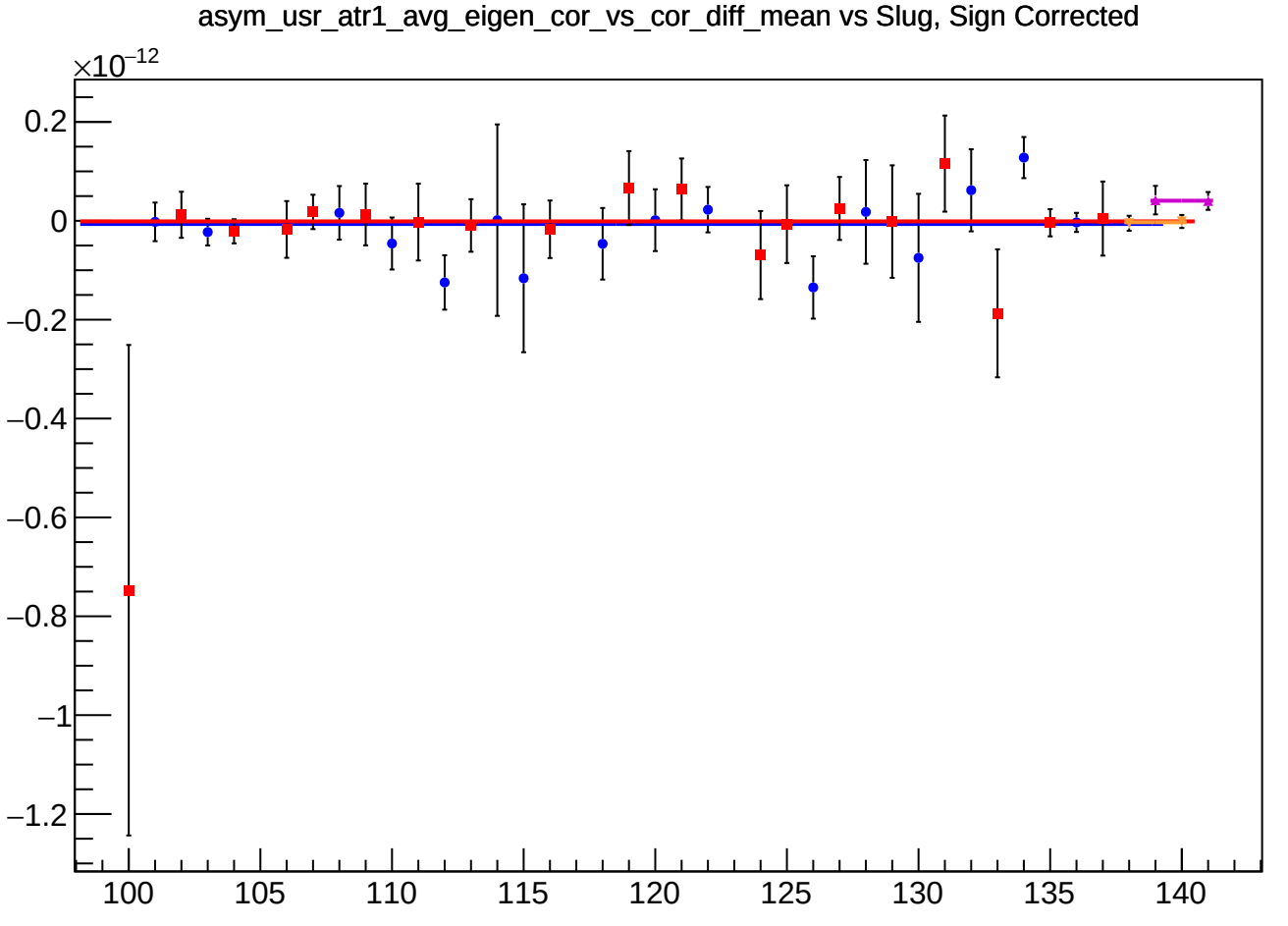
Left: 84.709+/-0.034 χ^2/NDF: 81387.6/3

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 64.346+/-0.017 χ^2/NDF:2047200.1/17

Out: 59.431+/-0.017 χ^2/NDF:3080363.7/20

All: 61.800+/-0.012 χ^2/NDF: 5169719.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

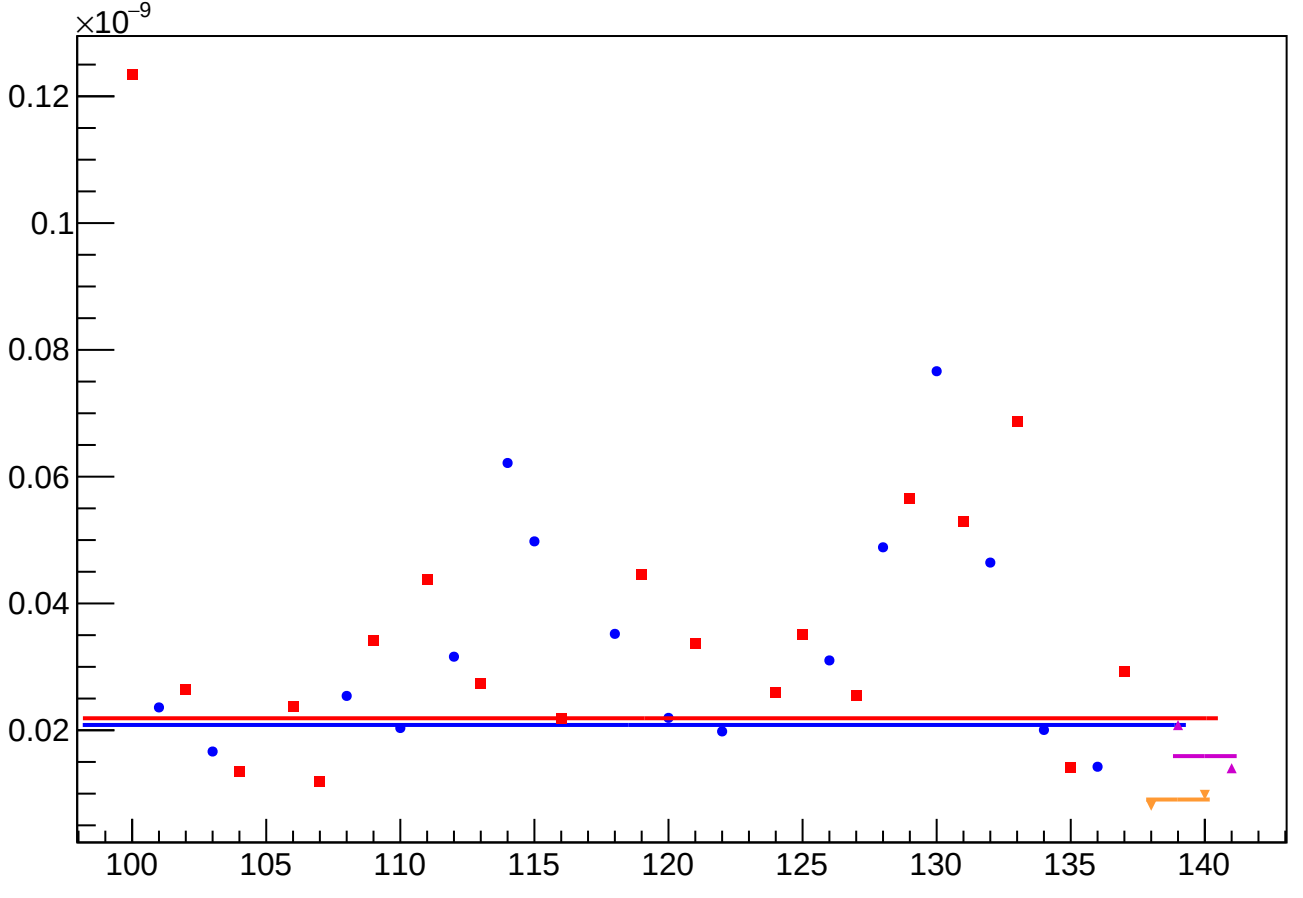
Left: 0.000+/-0.000 χ^2/NDF: 5.7/3

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: 0.000+/-0.000 χ^2/NDF:28.7/17

Out: -0.000+/-0.000 χ^2/NDF:9.8/20

All: 0.000+/-0.000 χ^2/NDF: 39.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14413.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:80001.9/1

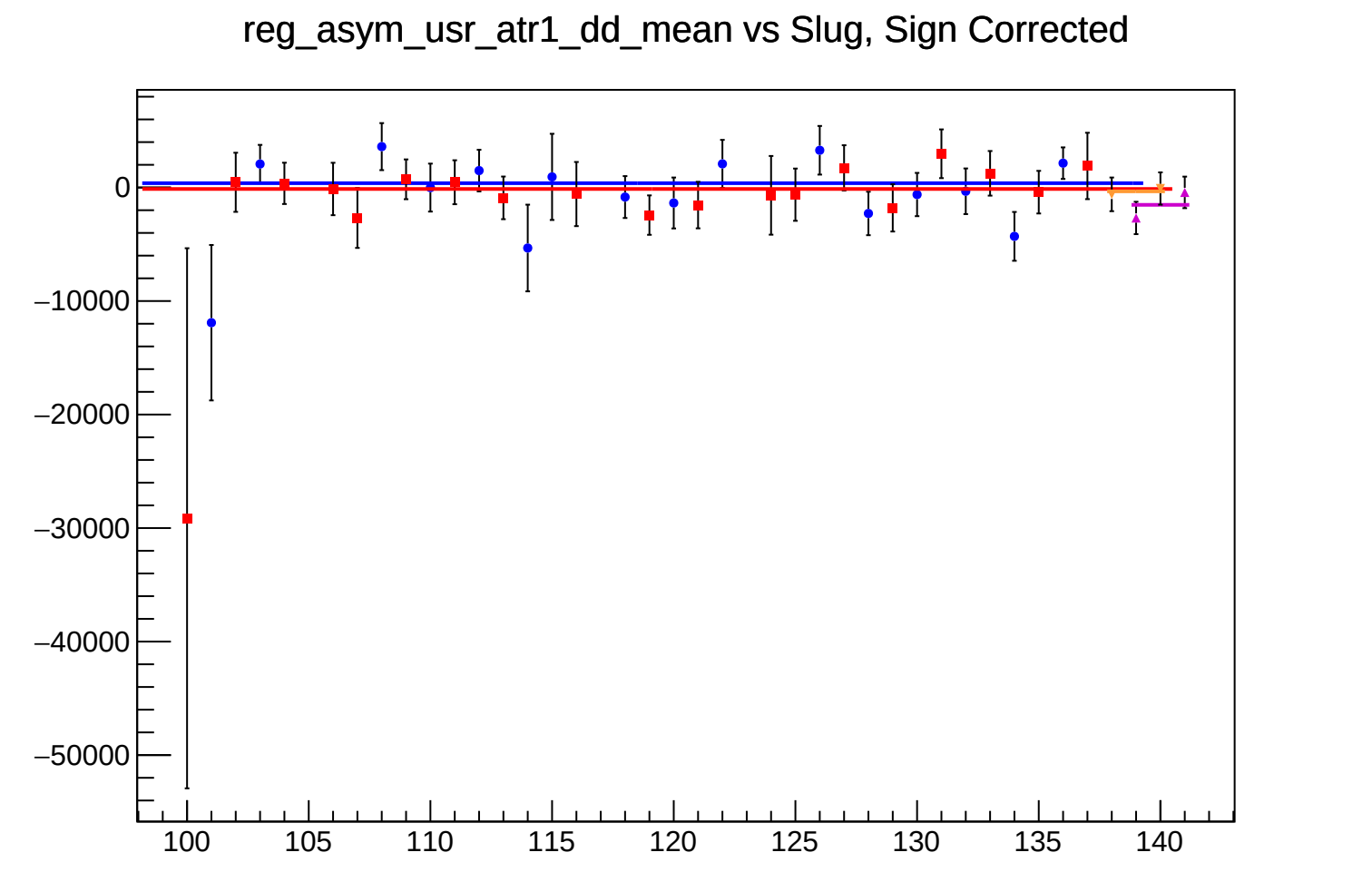
Left: 0.000+/-0.000 χ^2/NDF: 375637.6/3

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:1598408.0/17

Out: 0.000+/-0.000 χ^2/NDF:3282628.0/20

All: 0.000+/-0.000 χ^2/NDF: 5198373.2/38



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -336.110+/-1027.191 χ^2/NDF:0.1/1

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -1526.990+/-994.584 χ^2/NDF:1.3/1

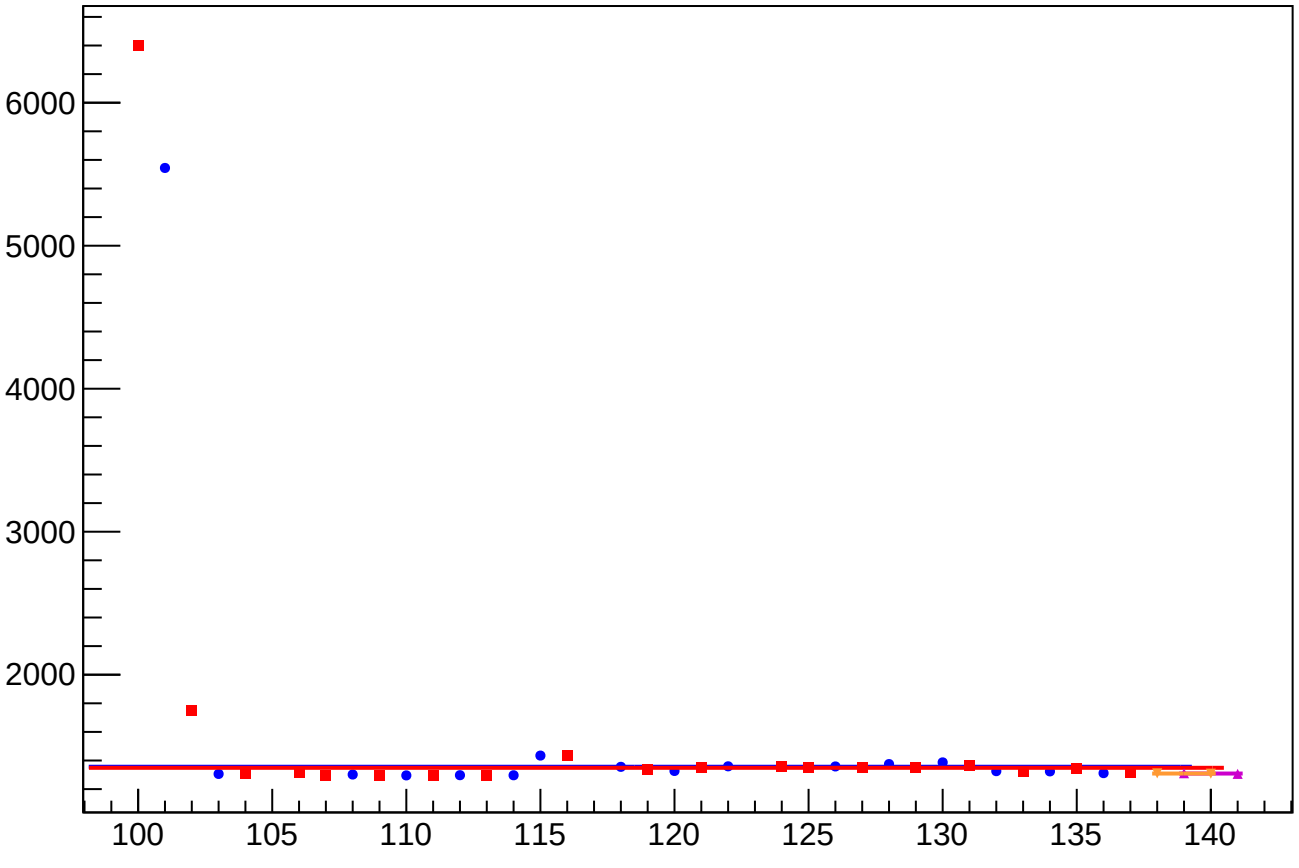
Left: -950.752+/-714.526 χ^2/NDF: 2.0/3

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -25.540+/-459.277 χ^2/NDF:25.7/17

Out: -167.934+/-450.286 χ^2/NDF:10.1/20

All: -98.145+/-321.532 χ^2/NDF: 35.8/38



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1308.908+/-0.726 χ^2/NDF:2.4/1

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1308.853+/-0.703 χ^2/NDF:10.0/1

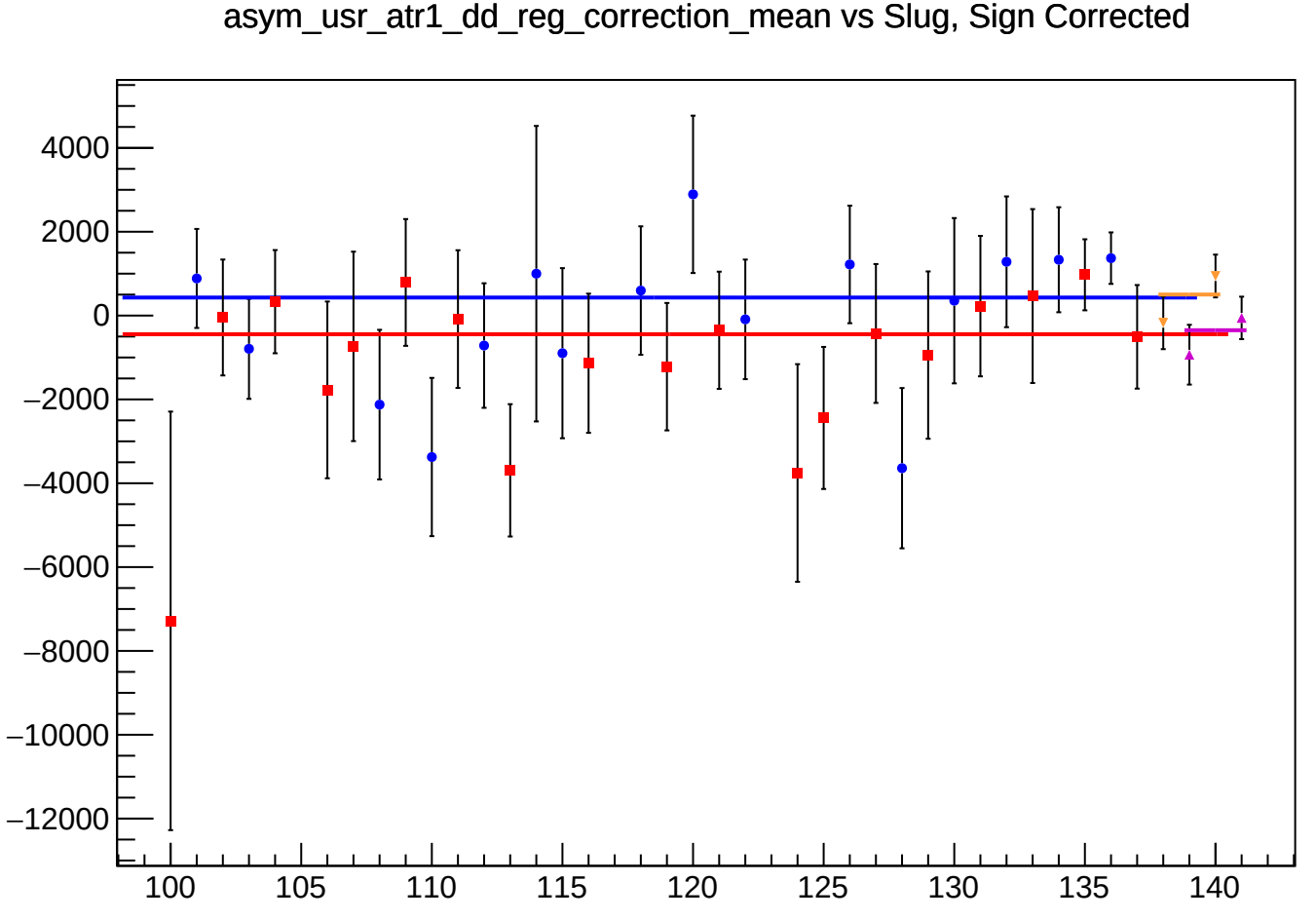
Left: 1308.880+/-0.505 χ^2/NDF: 12.4/3

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1346.259+/-0.325 χ^2/NDF:763872.1/17

Out: 1341.275+/-0.318 χ^2/NDF:149726.1/20

All: 1343.718+/-0.227 χ^2/NDF: 913718.2/38



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 501.997+/-396.391 χ^2/NDF:1.9/1

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -349.563+/-412.767 χ^2/NDF:1.0/1

Left: 93.444+/-285.905 χ^2/NDF: 5.1/3

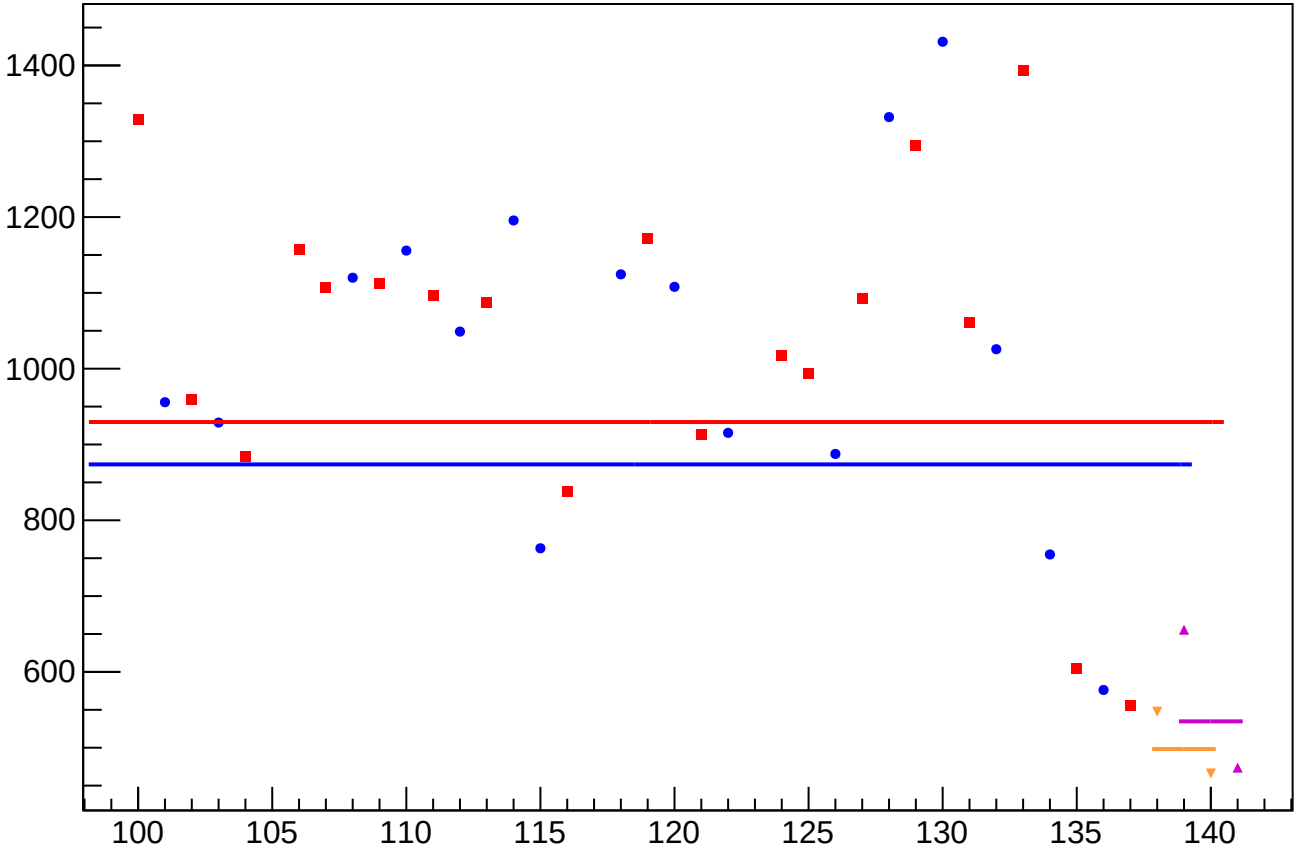
Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 116.799+/-261.723 χ^2/NDF:21.4/17

Out: -22.480+/-264.695 χ^2/NDF:19.4/20

All: 47.946+/-186.108 χ^2/NDF: 41.0/38

asym_usr_atr1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 498.256+/-0.280 χ^2/NDF:20237.9/1

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 534.769+/-0.292 χ^2/NDF:86570.0/1

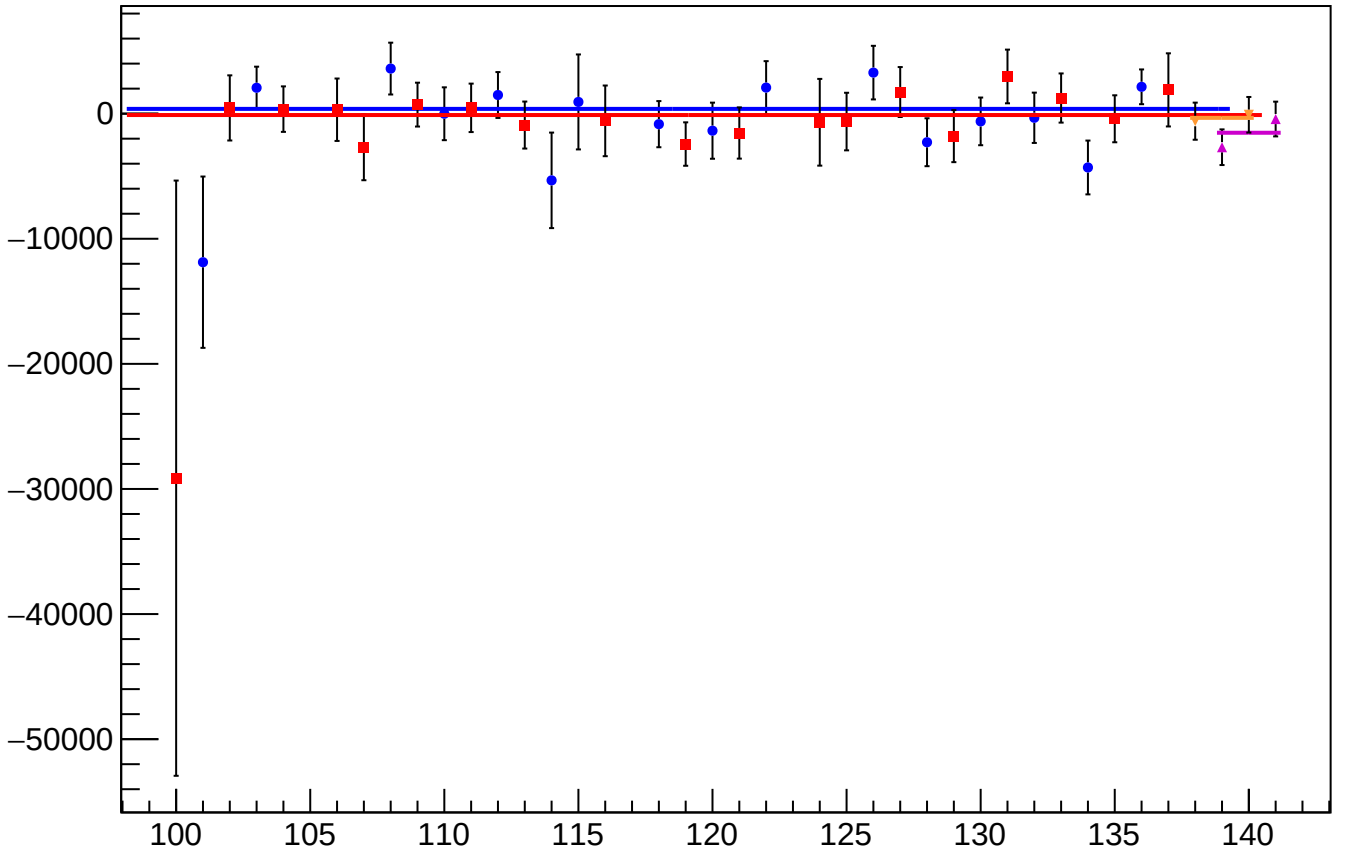
Left: 515.774+/-0.202 χ^2/NDF: 114949.7/3

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 737.454+/-0.185 χ^2/NDF:1907915.0/17

Out: 737.281+/-0.187 χ^2/NDF:2192635.4/20

All: 737.369+/-0.132 χ^2/NDF: 4100550.9/38



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -336.111+/-1027.191 χ^2/NDF:0.1/1

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -1527.157+/-994.584 χ^2/NDF:1.3/1

Left: -950.838+/-714.526 χ^2/NDF: 2.0/3

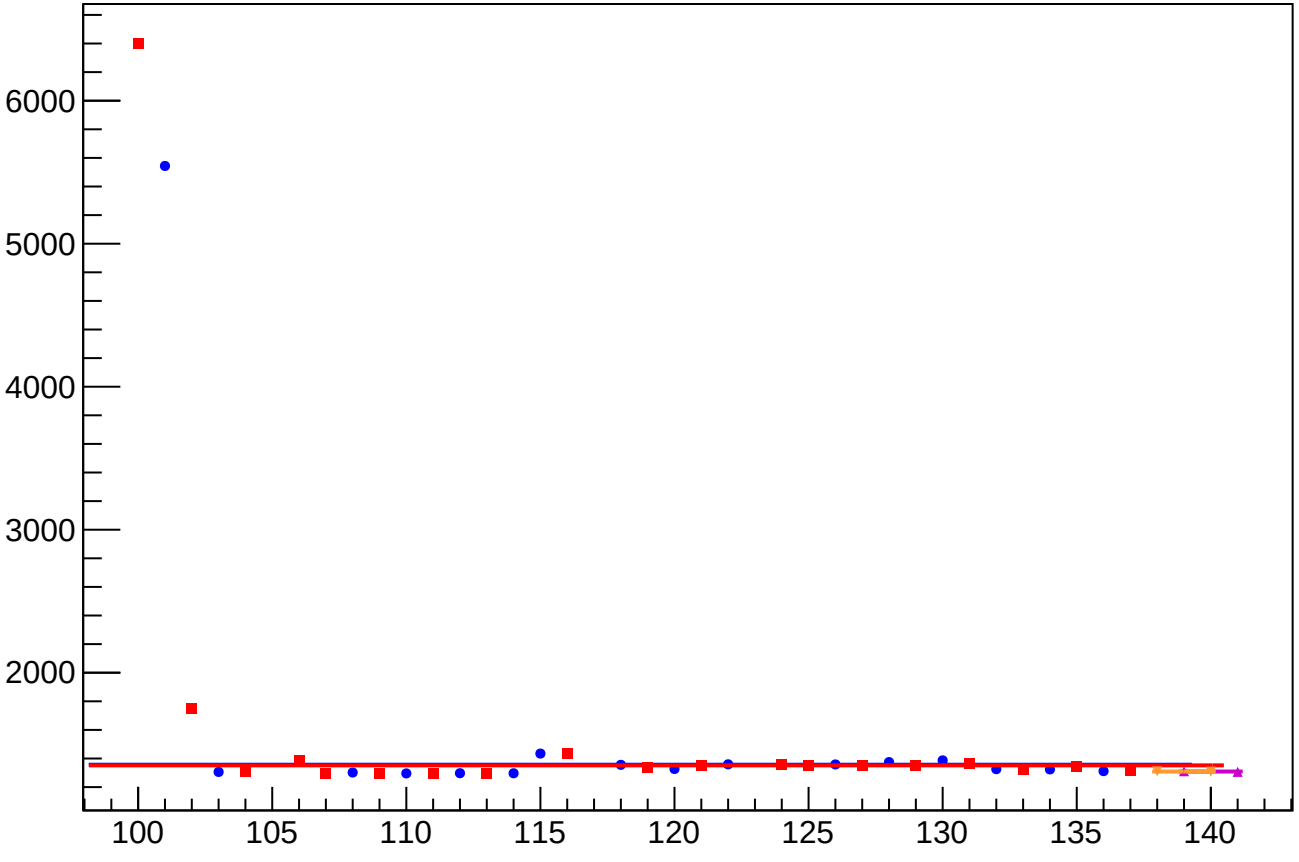
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -25.333+/-459.277 χ^2/NDF:25.7/17

Out: -153.917+/-451.527 χ^2/NDF:10.1/20

All: -90.719+/-321.983 χ^2/NDF: 35.8/38

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1308.908+/-0.726 χ^2/NDF:2.3/1

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1308.853+/-0.703 χ^2/NDF:10.0/1

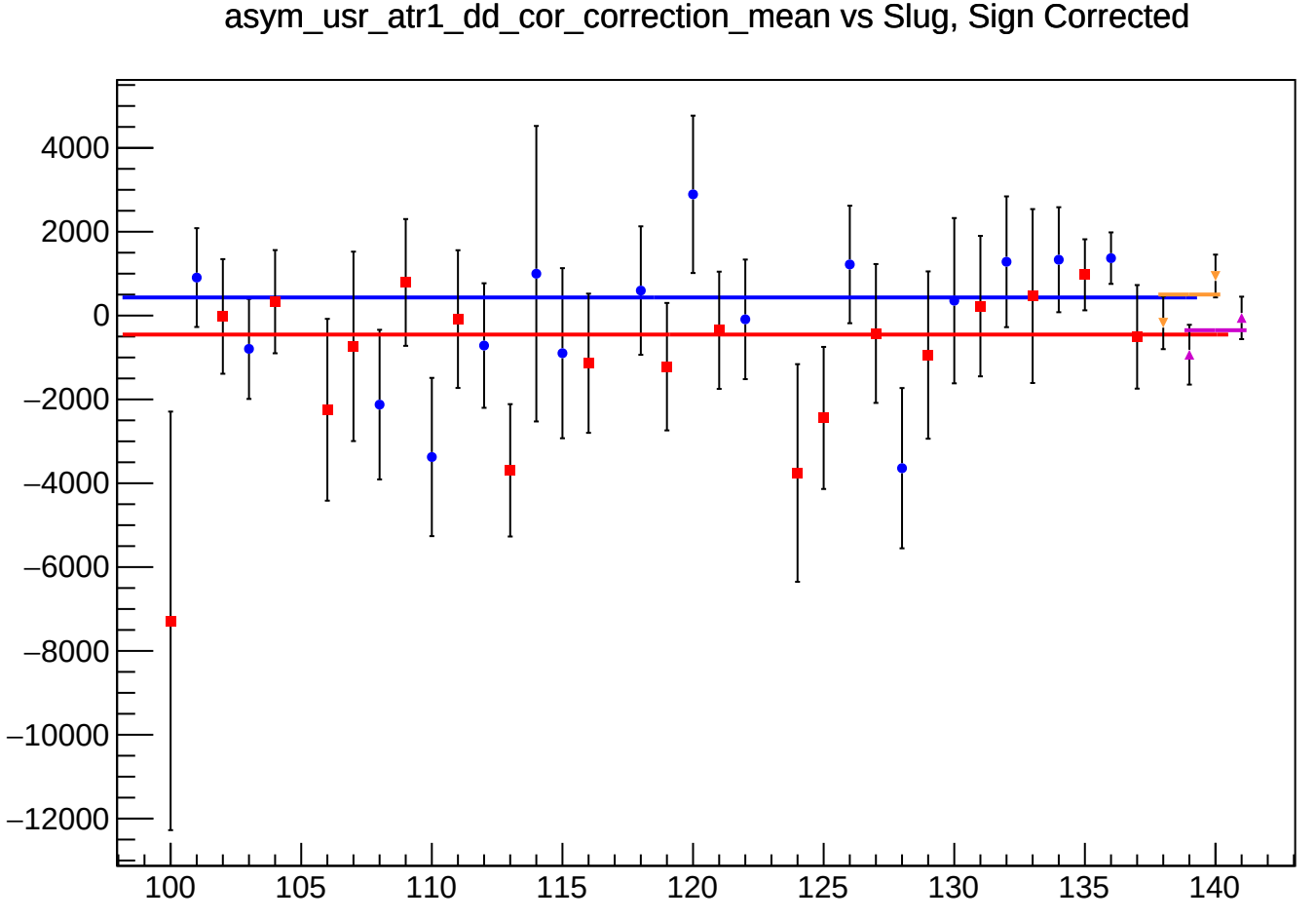
Left: 1308.880+/-0.505 χ^2/NDF: 12.4/3

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1346.259+/-0.325 χ^2/NDF:763871.1/17

Out: 1343.741+/-0.319 χ^2/NDF:150179.6/20

All: 1344.978+/-0.228 χ^2/NDF: 914081.2/38



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 502.029+/-396.396 χ^2/NDF:1.9/1

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -349.563+/-412.752 χ^2/NDF:1.0/1

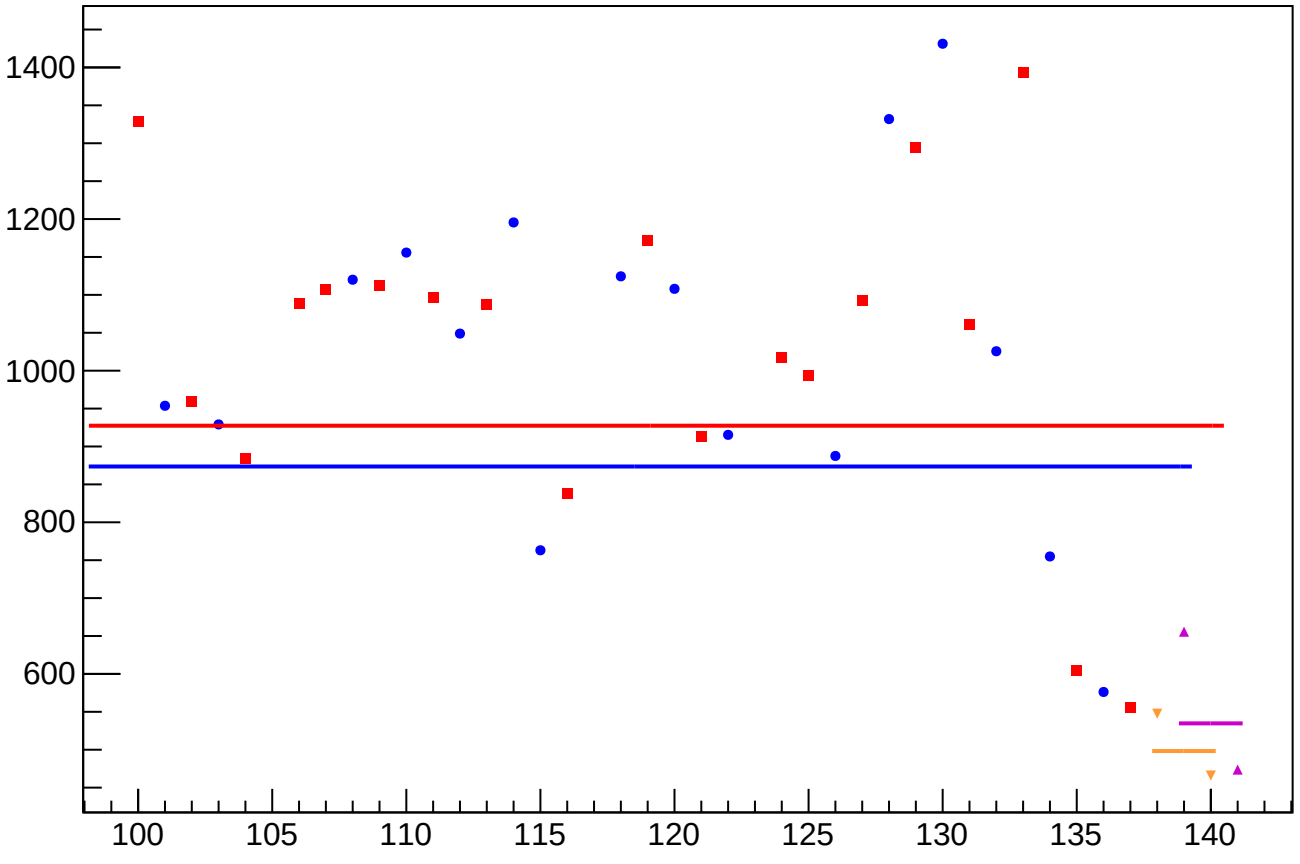
Left: 93.440+/-285.902 χ^2/NDF: 5.1/3

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 117.908+/-261.693 χ^2/NDF:21.4/17

Out: -27.167+/-264.699 χ^2/NDF:19.8/20

All: 46.199+/-186.098 χ^2/NDF: 41.4/38



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 498.265+/-0.280 χ^2/NDF:20240.4/1

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 534.750+/-0.292 χ^2/NDF:86573.2/1

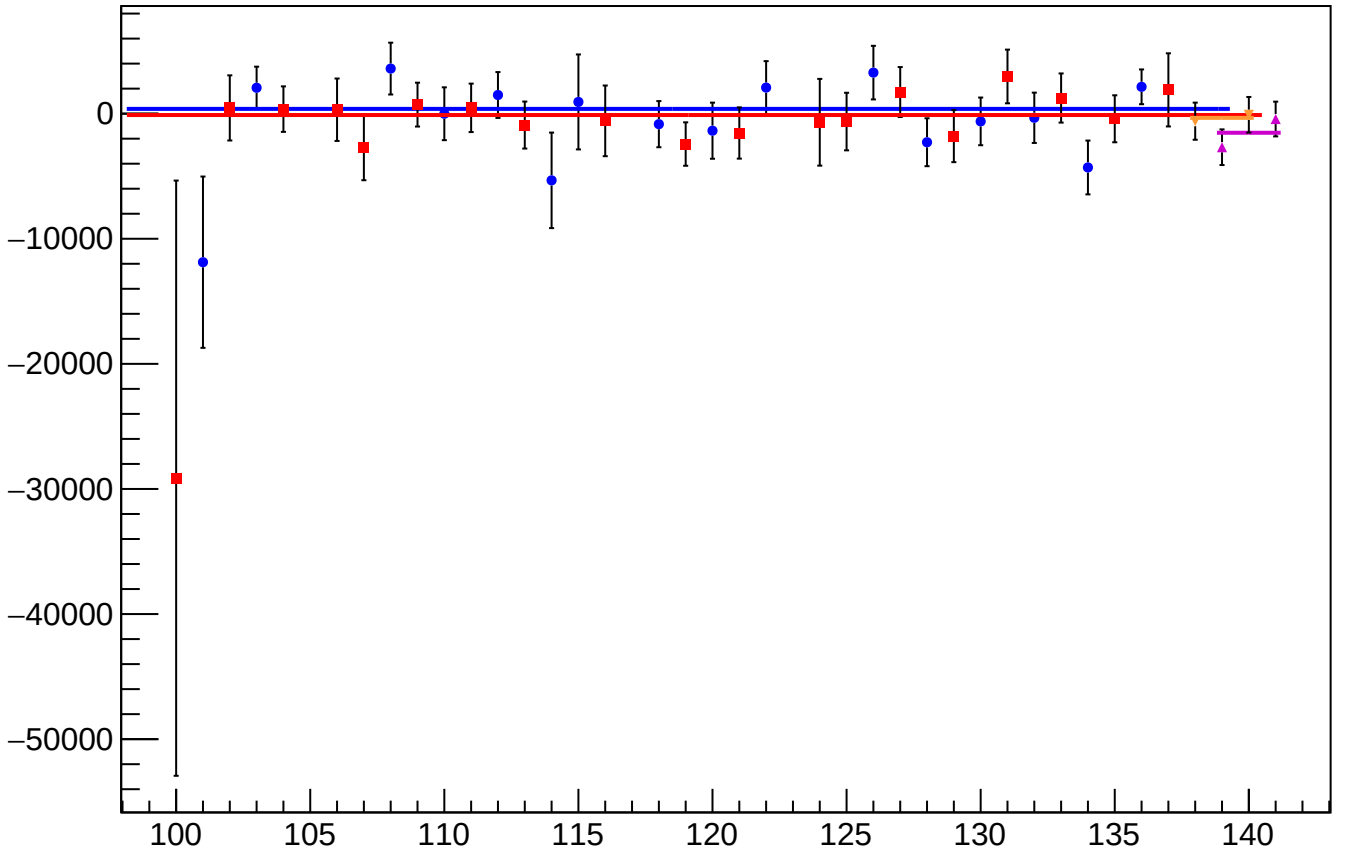
Left: 515.770+/-0.202 χ^2/NDF: 114942.9/3

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 737.393+/-0.185 χ^2/NDF:1907096.6/17

Out: 736.049+/-0.187 χ^2/NDF:2166464.6/20

All: 736.729+/-0.132 χ^2/NDF: 4073587.2/38



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -336.111+/-1027.191 χ^2/NDF:0.1/1

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -1527.157+/-994.584 χ^2/NDF:1.3/1

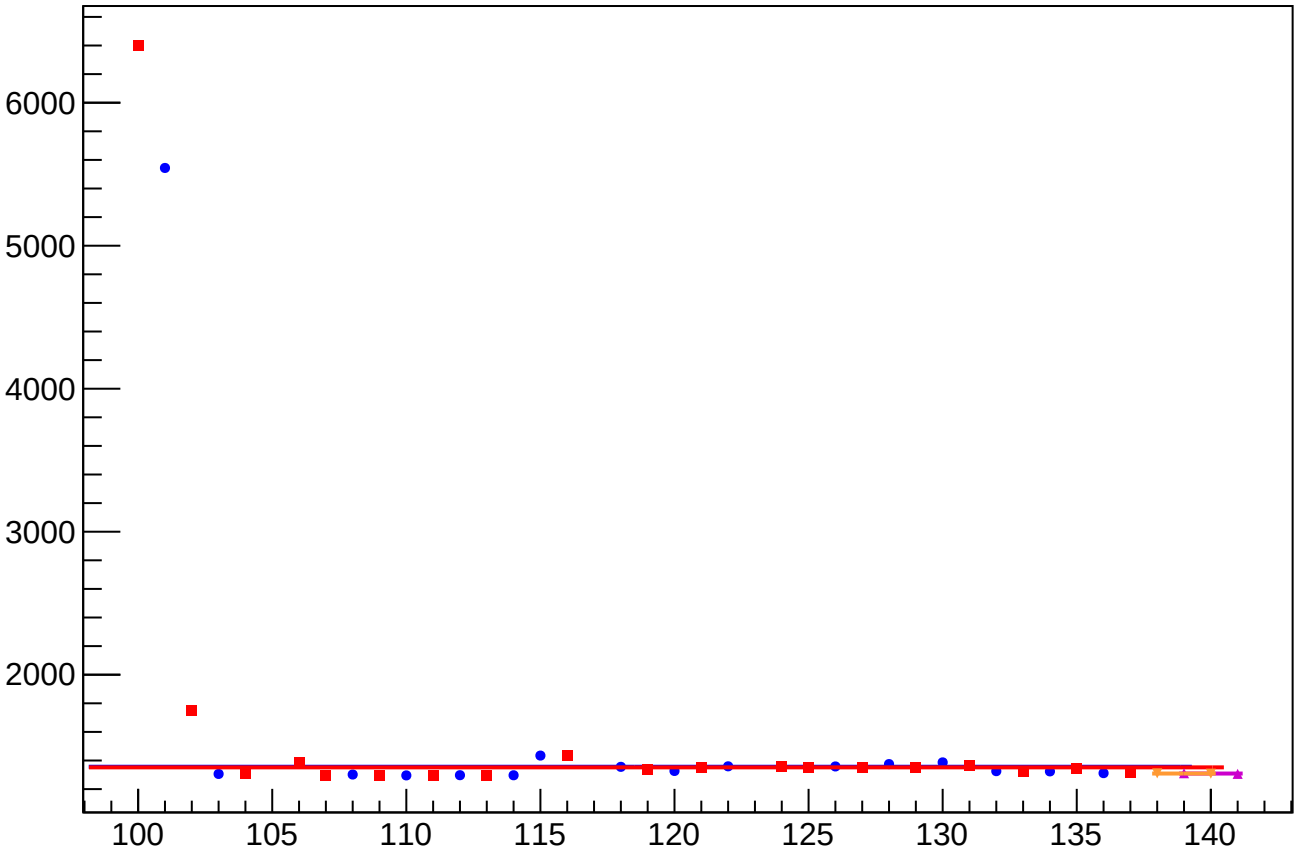
Left: -950.838+/-714.526 χ^2/NDF: 2.0/3

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -25.333+/-459.277 χ^2/NDF:25.7/17

Out: -153.917+/-451.527 χ^2/NDF:10.1/20

All: -90.719+/-321.983 χ^2/NDF: 35.8/38



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1308.908+/-0.726 χ^2/NDF:2.3/1

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1308.853+/-0.703 χ^2/NDF:10.0/1

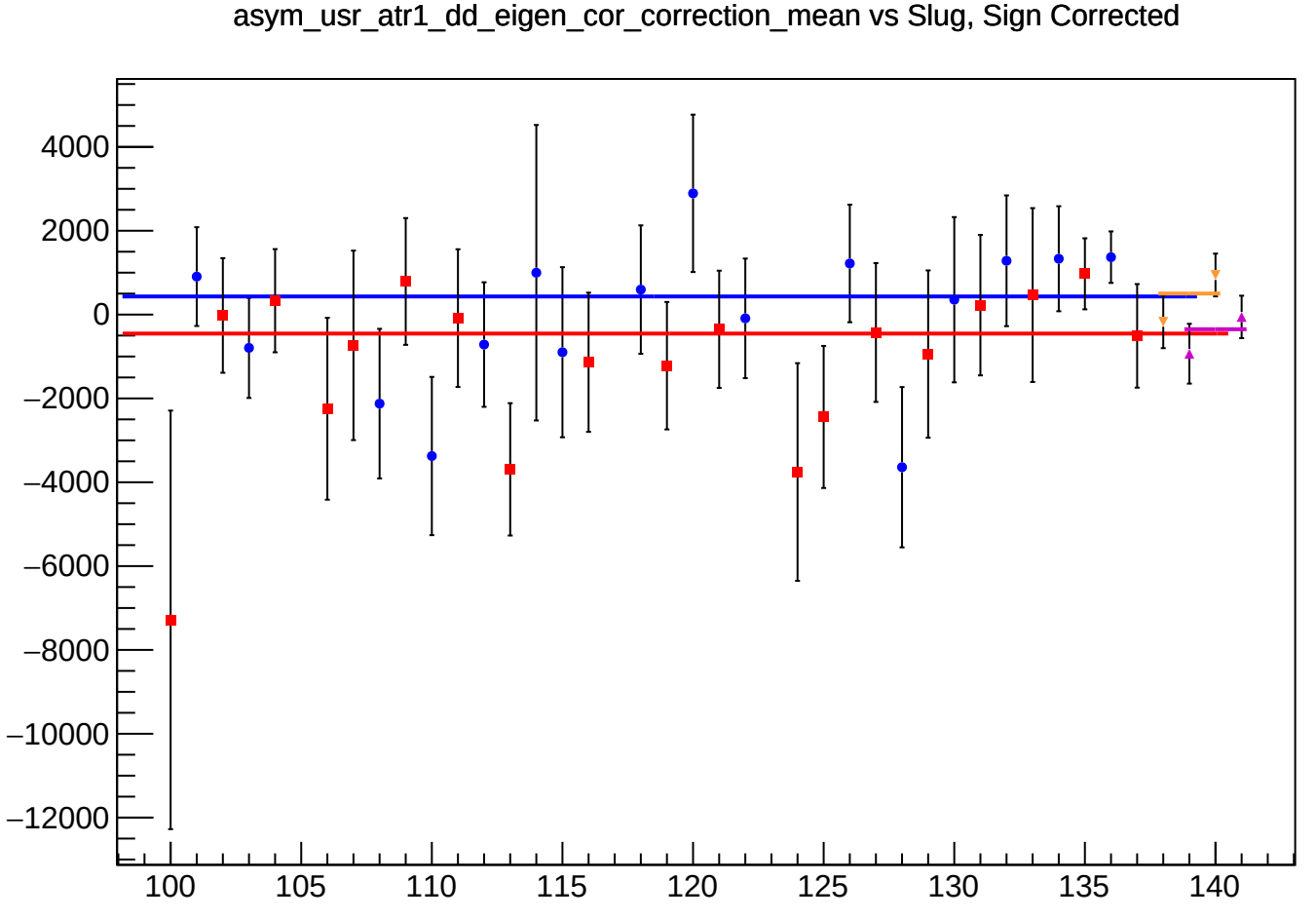
Left: 1308.880+/-0.505 χ^2/NDF: 12.4/3

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1346.259+/-0.325 χ^2/NDF:763871.1/17

Out: 1343.741+/-0.319 χ^2/NDF:150179.6/20

All: 1344.978+/-0.228 χ^2/NDF: 914081.2/38



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 502.029+/-396.396 χ^2/NDF:1.9/1

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -349.563+/-412.752 χ^2/NDF:1.0/1

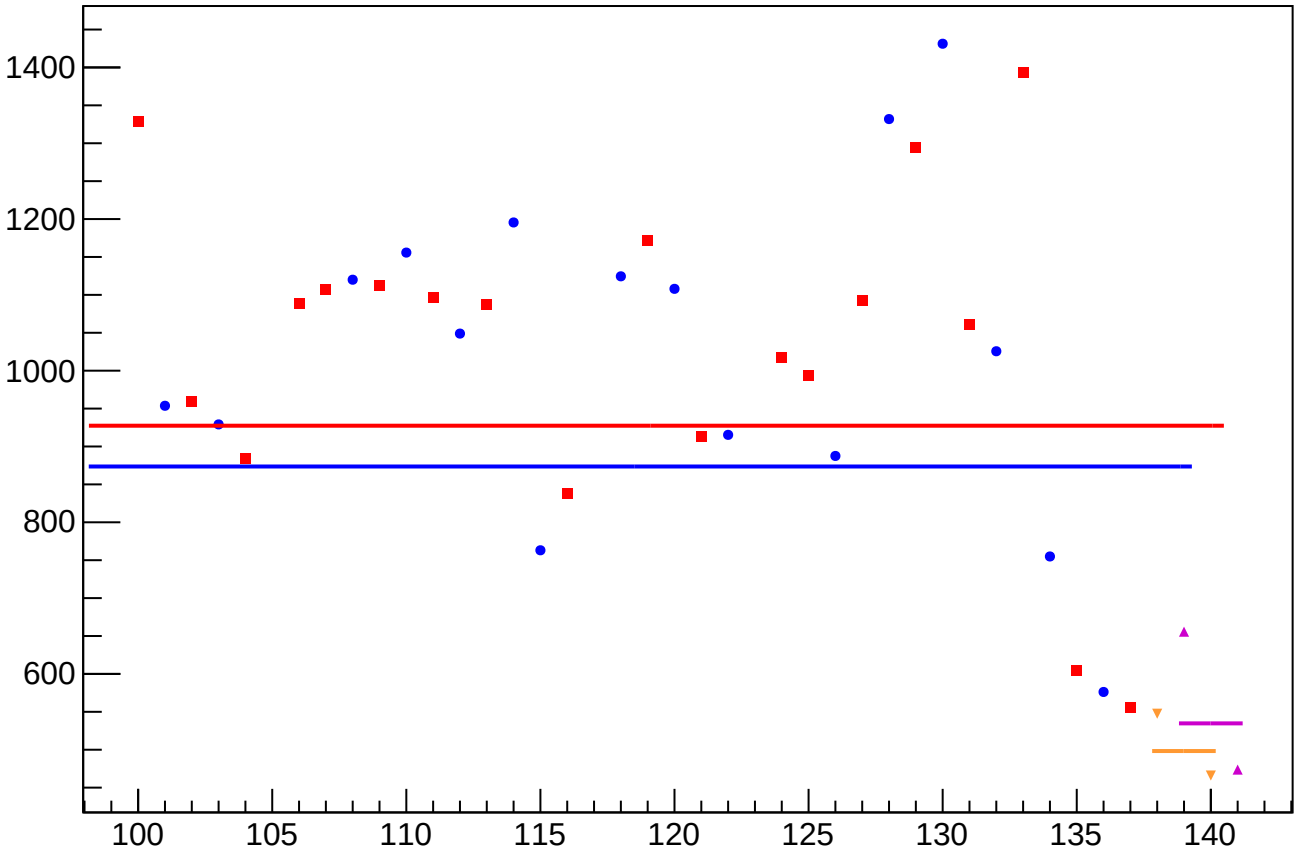
Left: 93.440+/-285.902 χ^2/NDF: 5.1/3

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 117.908+/-261.693 χ^2/NDF:21.4/17

Out: -27.167+/-264.699 χ^2/NDF:19.8/20

All: 46.199+/-186.098 χ^2/NDF: 41.4/38



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 498.265+/-0.280 χ^2/NDF:20240.4/1

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 534.750+/-0.292 χ^2/NDF:86573.2/1

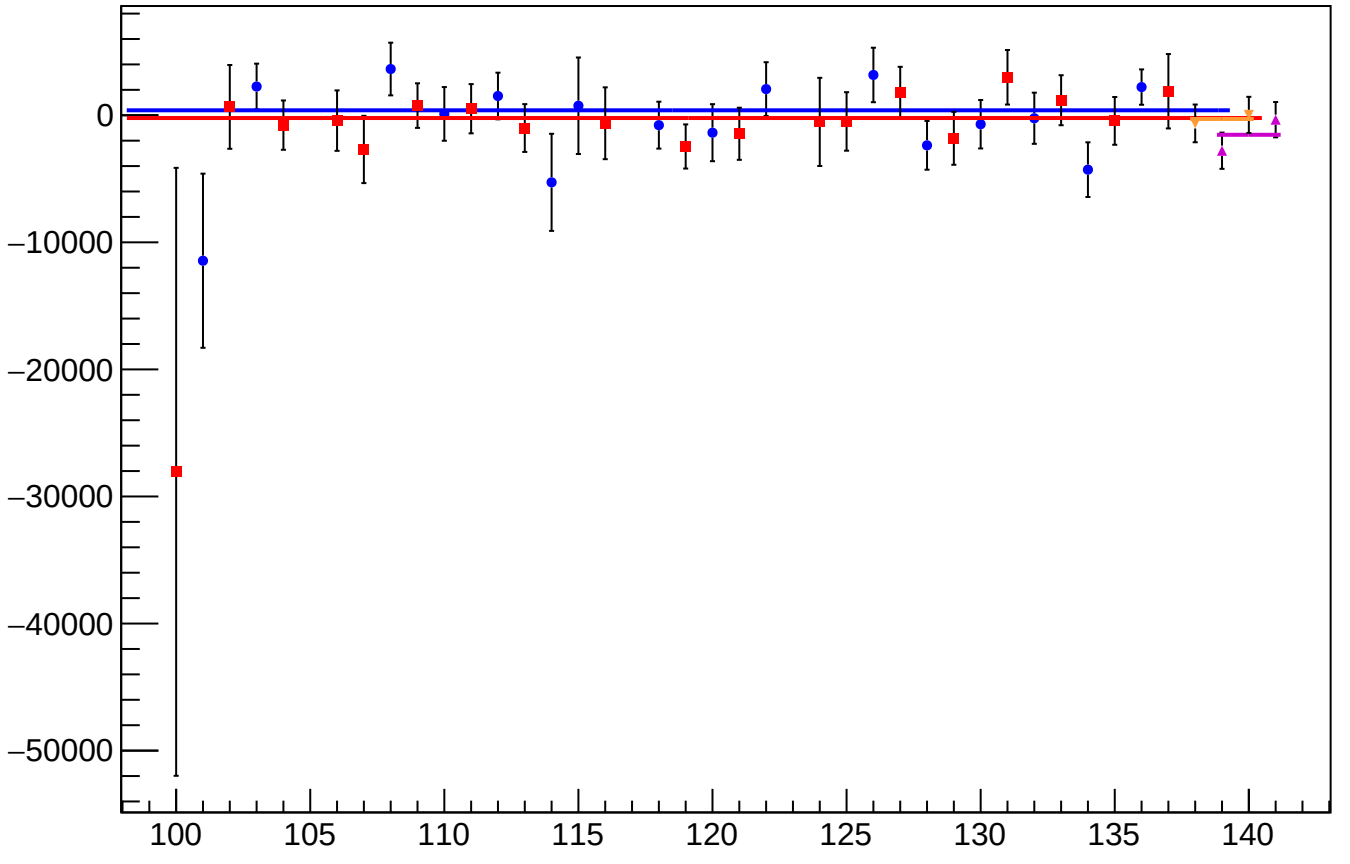
Left: 515.770+/-0.202 χ^2/NDF: 114942.9/3

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 737.393+/-0.185 χ^2/NDF:1907096.6/17

Out: 736.049+/-0.187 χ^2/NDF:2166464.6/20

All: 736.729+/-0.132 χ^2/NDF: 4073587.2/38



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -294.364+/-1028.120 χ^2/NDF:0.1/1

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -1537.640+/-995.287 χ^2/NDF:1.5/1

Left: -936.171+/-715.100 χ^2/NDF: 2.4/3

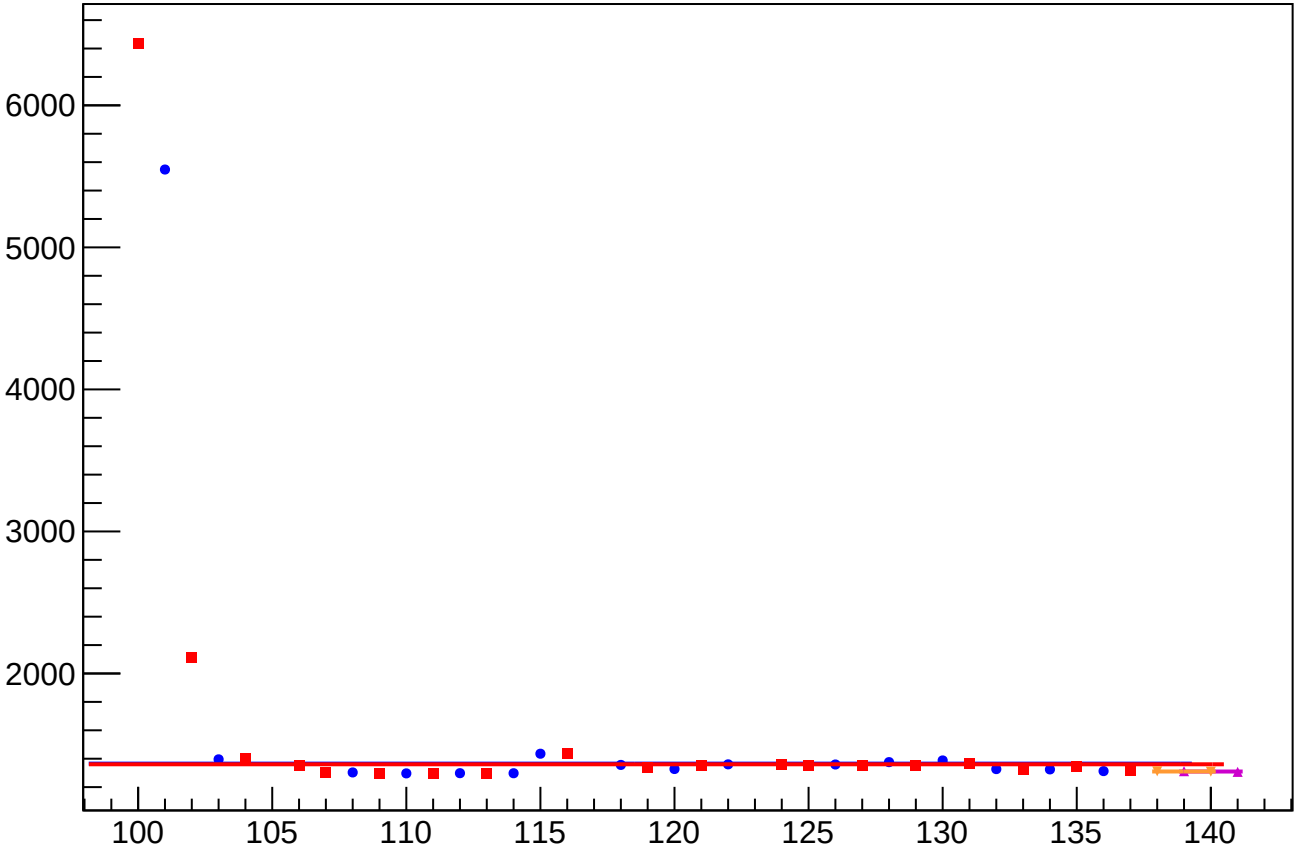
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -24.838+/-461.694 χ^2/NDF:25.8/17

Out: -233.129+/-455.385 χ^2/NDF:10.1/20

All: -130.416+/-324.213 χ^2/NDF: 36.0/38

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1310.090+/-0.727 χ^2/NDF:2.8/1

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1309.775+/-0.704 χ^2/NDF:11.7/1

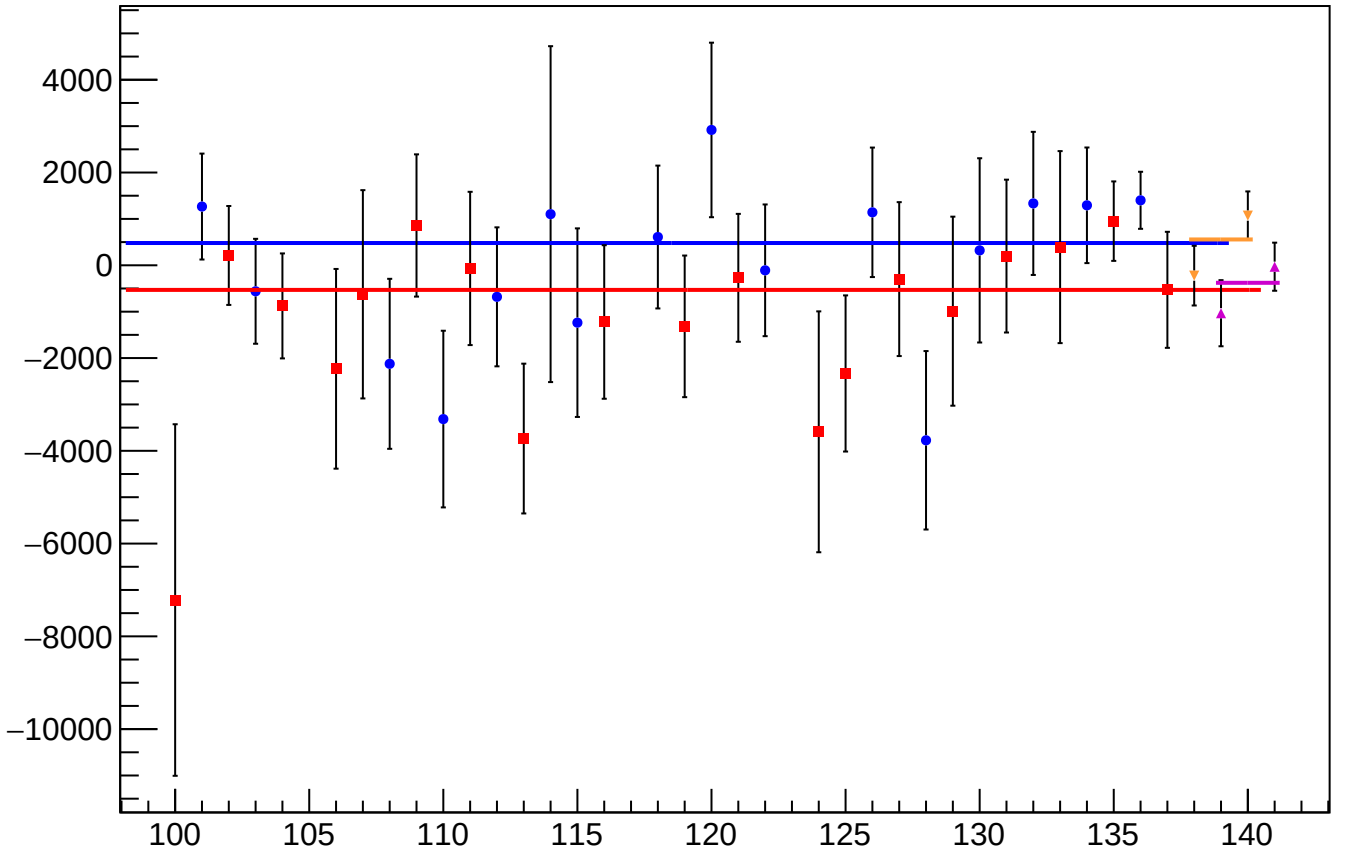
Left: 1309.928+/-0.506 χ^2/NDF: 14.5/3

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1353.353+/-0.326 χ^2/NDF:763841.9/17

Out: 1350.828+/-0.322 χ^2/NDF:209224.4/20

All: 1352.073+/-0.229 χ^2/NDF: 973096.6/38



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 556.987+/-405.327 χ^2/NDF:2.4/1

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -377.590+/-419.248 χ^2/NDF:1.3/1

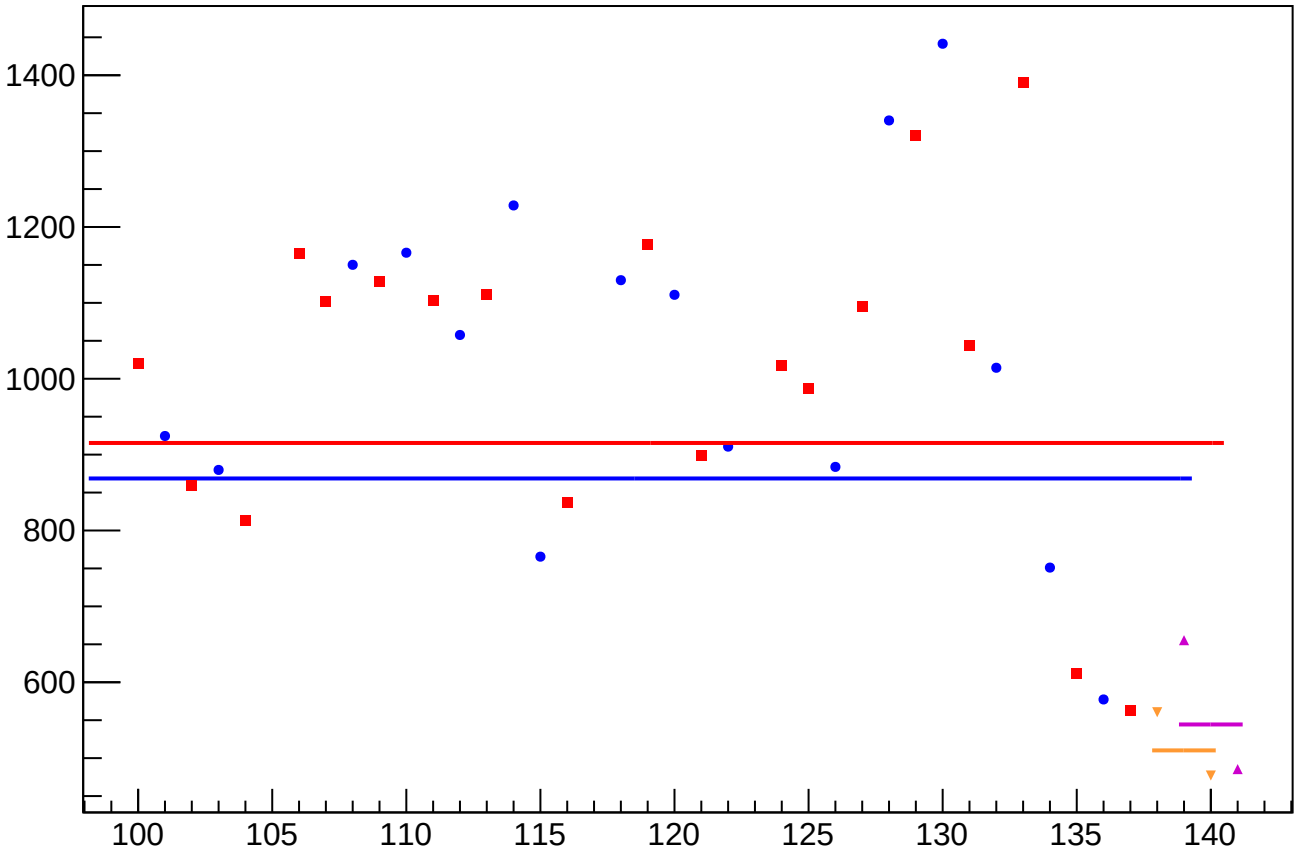
Left: 105.472+/-291.407 χ^2/NDF: 6.3/3

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 144.212+/-262.435 χ^2/NDF:22.4/17

Out: -71.954+/-263.205 χ^2/NDF:22.2/20

All: 36.445+/-185.841 χ^2/NDF: 45.0/38



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 510.199+/-0.287 χ^2/NDF:20272.9/1

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 544.371+/-0.296 χ^2/NDF:74347.5/1

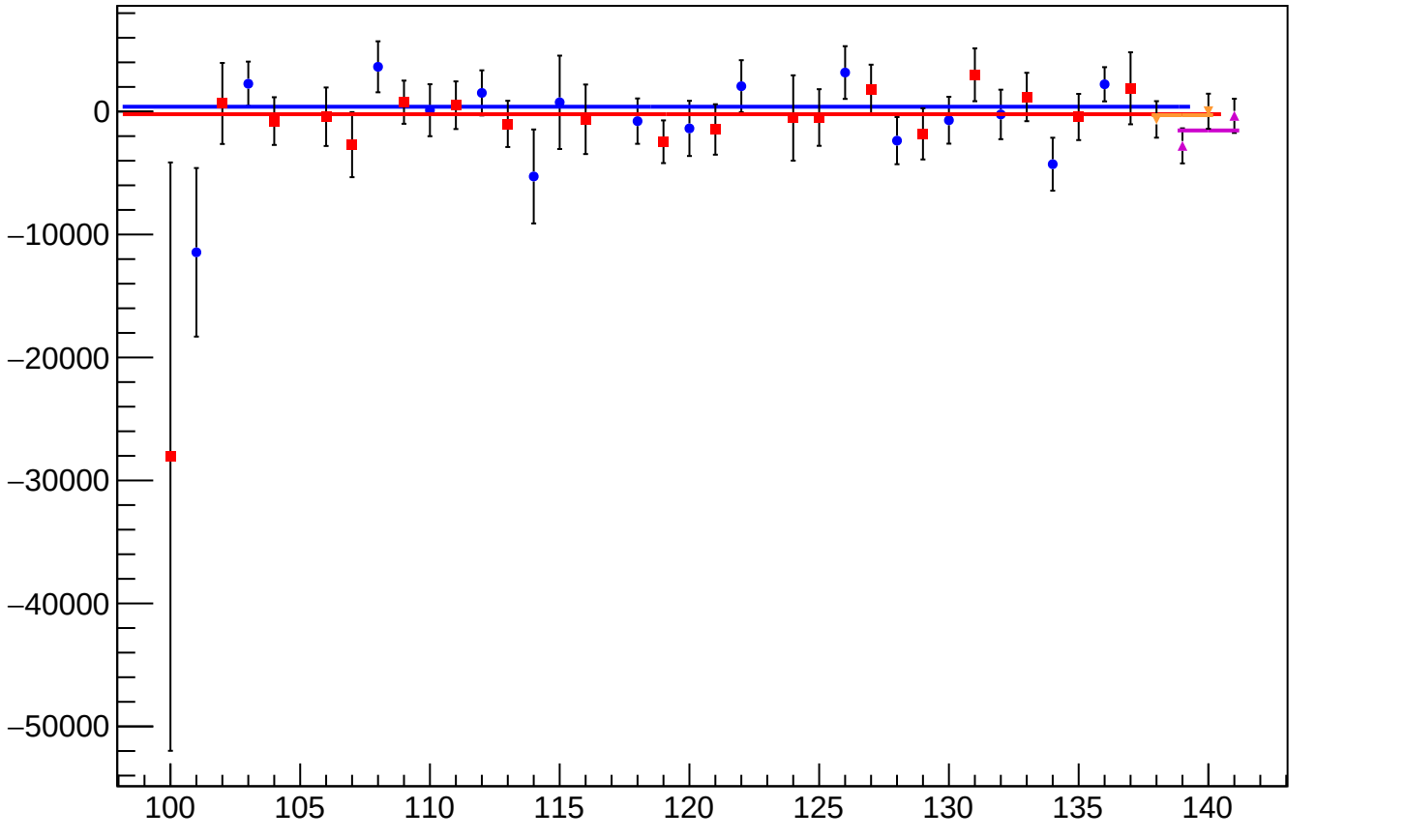
Left: 526.708+/-0.206 χ^2/NDF: 101488.1/3

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 741.539+/-0.186 χ^2/NDF:1823027.4/17

Out: 744.514+/-0.186 χ^2/NDF:2034881.5/20

All: 743.022+/-0.131 χ^2/NDF: 3858037.1/38



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -294.364+/-1028.120 χ^2/NDF:0.1/1

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -1537.642+/-995.287 χ^2/NDF:1.5/1

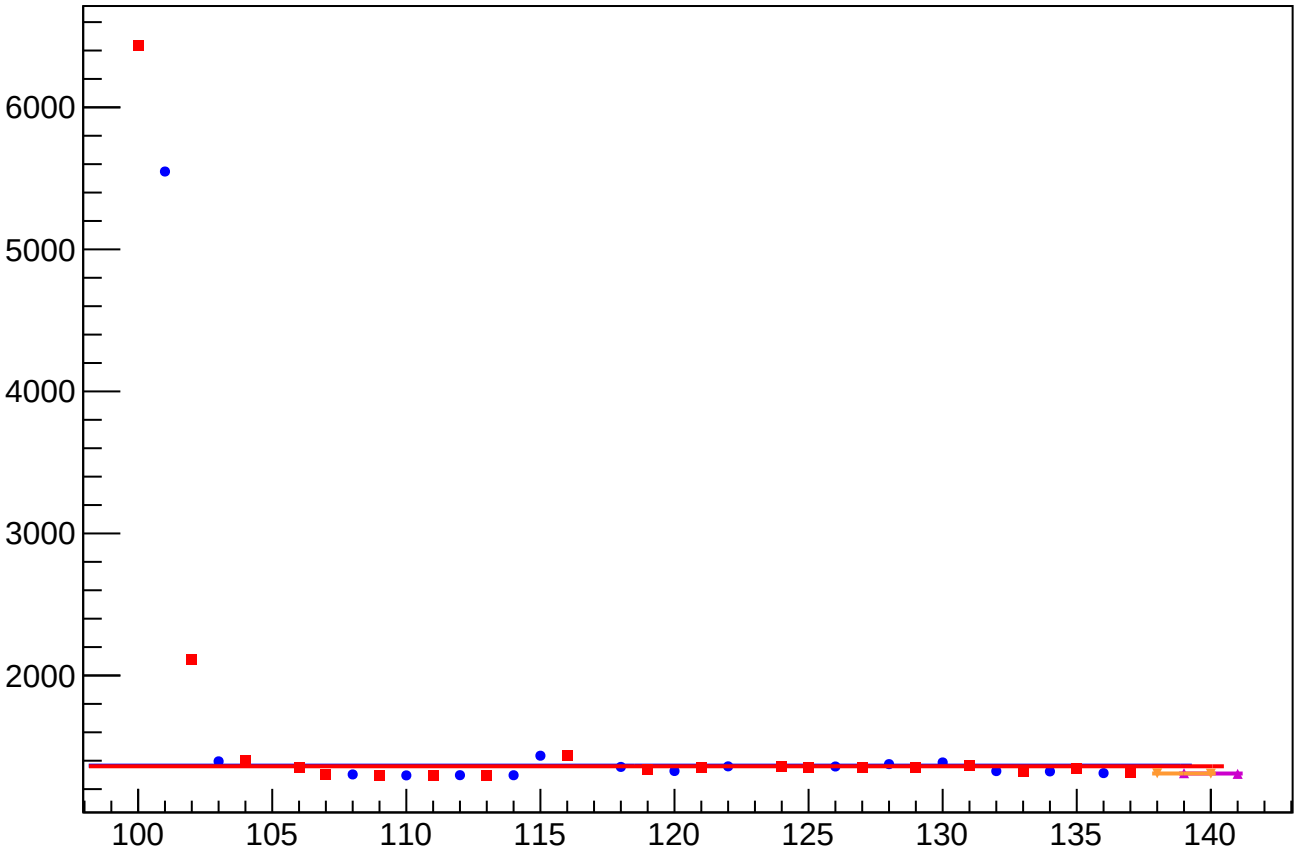
Left: -936.172+/-715.100 χ^2/NDF: 2.4/3

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -24.839+/-461.694 χ^2/NDF:25.8/17

Out: -233.128+/-455.385 χ^2/NDF:10.1/20

All: -130.416+/-324.213 χ^2/NDF: 36.0/38



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1310.090+/-0.727 χ^2/NDF:2.8/1

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1309.775+/-0.704 χ^2/NDF:11.7/1

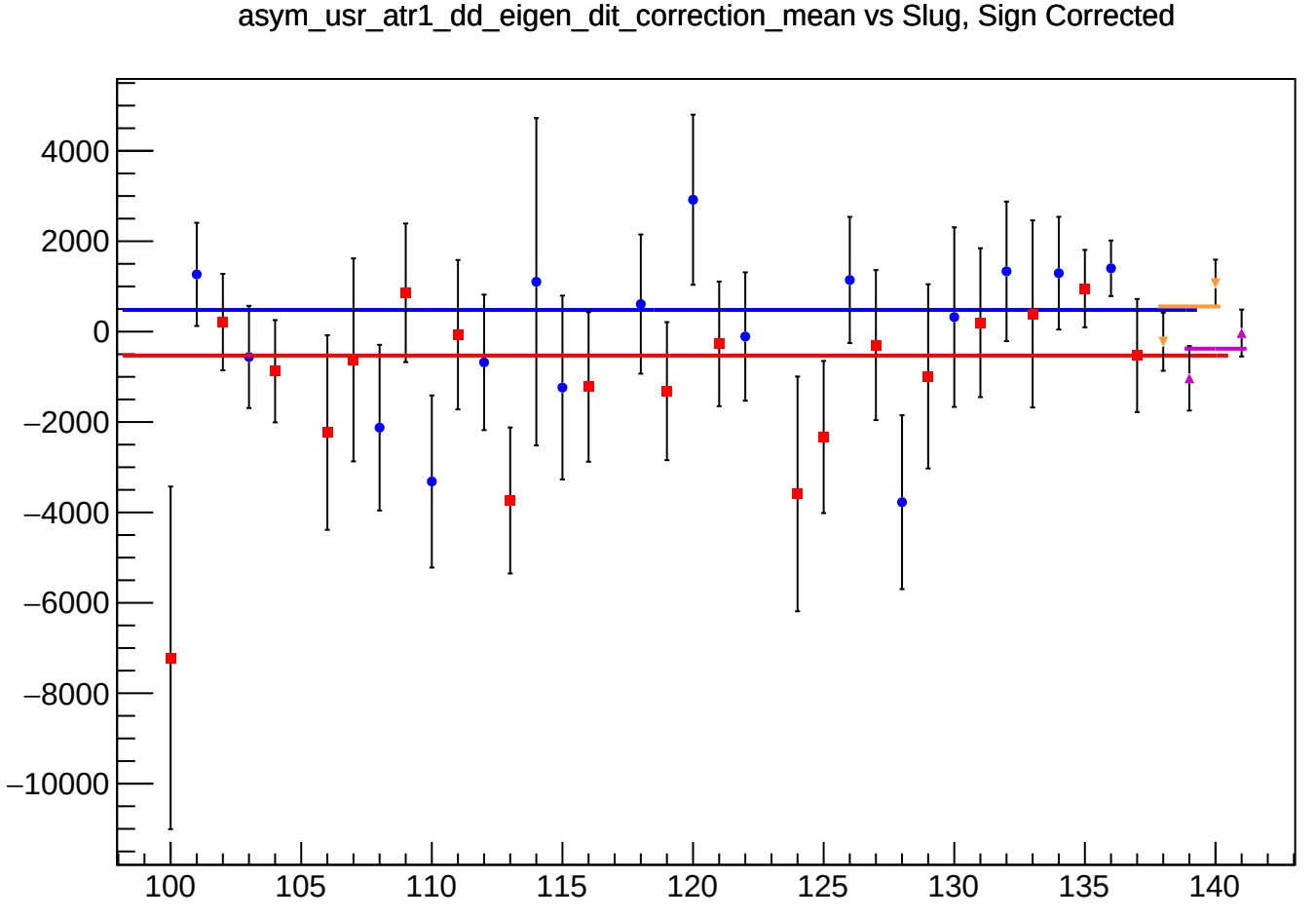
Left: 1309.928+/-0.506 χ^2/NDF: 14.5/3

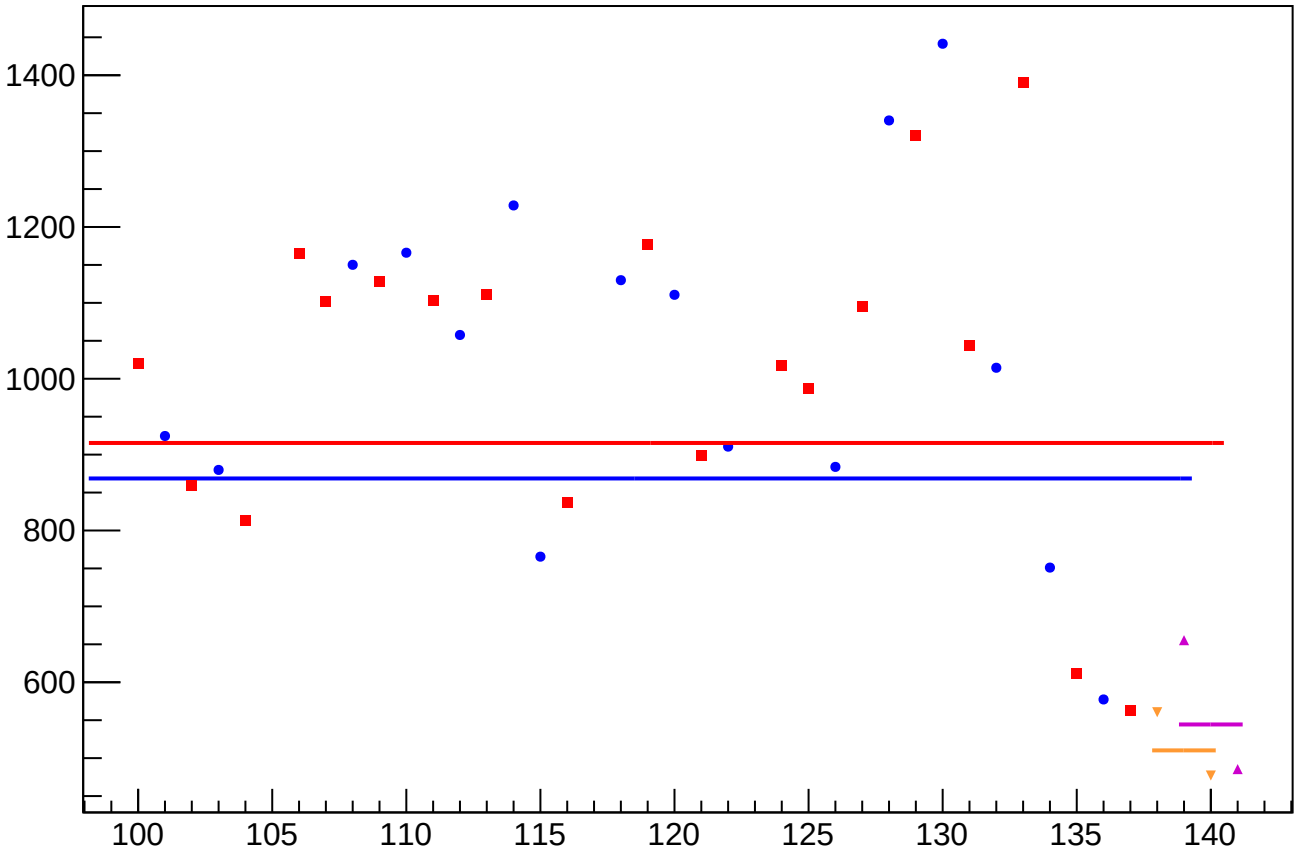
Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1353.353+/-0.326 χ^2/NDF:763841.8/17

Out: 1350.828+/-0.322 χ^2/NDF:209224.3/20

All: 1352.073+/-0.229 χ^2/NDF: 973096.5/38


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
105
110
115
120
125
130
135
140
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 556.991+/-405.327 χ²/NDF:2.4/1
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -377.589+/-419.248 χ²/NDF:1.3/1
Left: 105.474+/-291.407 χ²/NDF: 6.3/3
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 144.212+/-262.435 χ²/NDF:22.4/17
Out: -71.953+/-263.205 χ²/NDF:22.2/20
All: 36.446+/-185.841 χ²/NDF: 45.0/38



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 510.199+/-0.287 χ^2/NDF:20274.4/1

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 544.371+/-0.296 χ^2/NDF:74350.5/1

Left: 526.708+/-0.206 χ^2/NDF: 101492.5/3

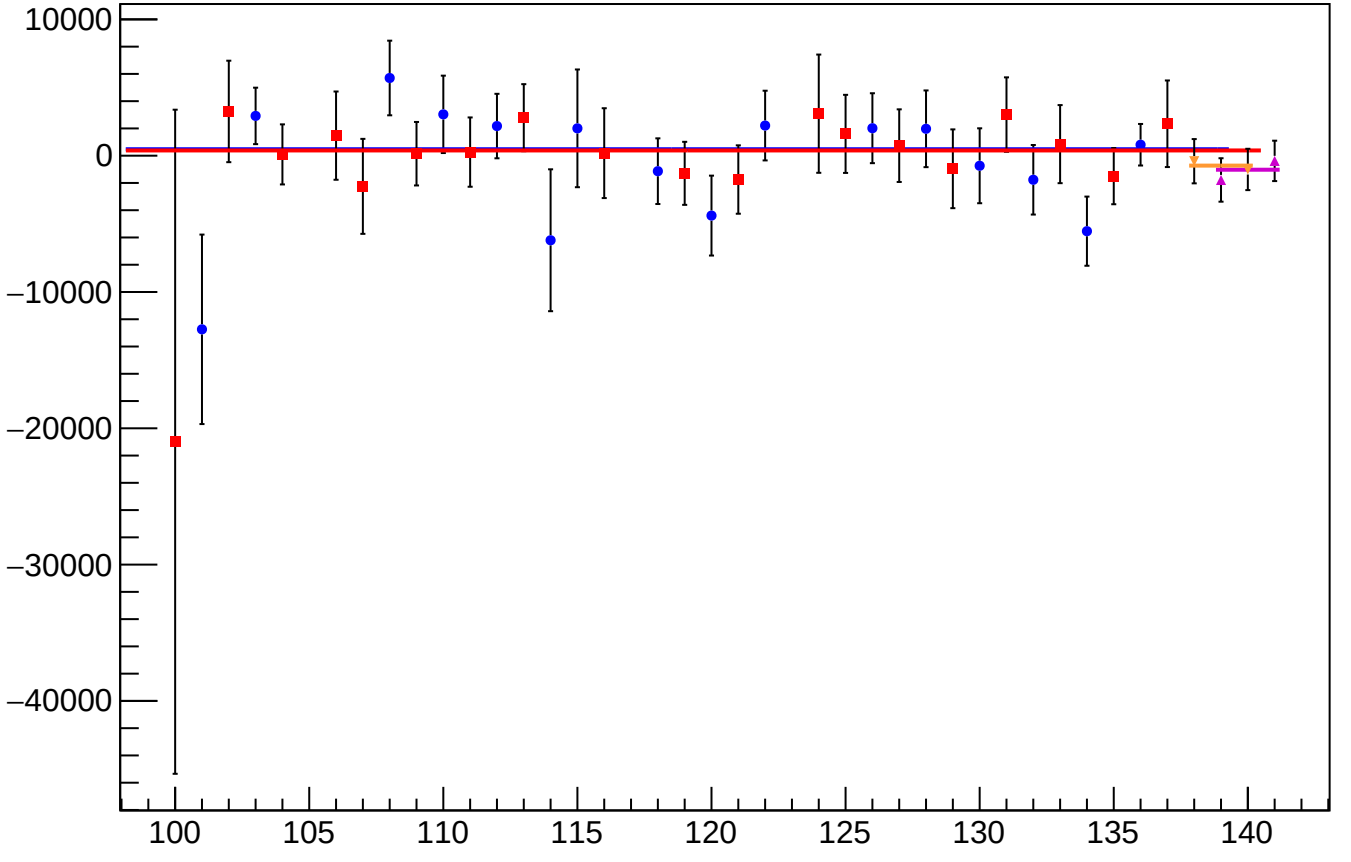
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 741.538+/-0.186 χ^2/NDF:1823020.6/17

Out: 744.514+/-0.186 χ^2/NDF:2034873.8/20

All: 743.021+/-0.131 χ^2/NDF: 3858022.7/38

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -728.197+/-1108.259 χ^2/NDF:0.1/1

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -1029.582+/-1085.155 χ^2/NDF:0.4/1

Left: -882.064+/-775.360 χ^2/NDF: 0.5/3

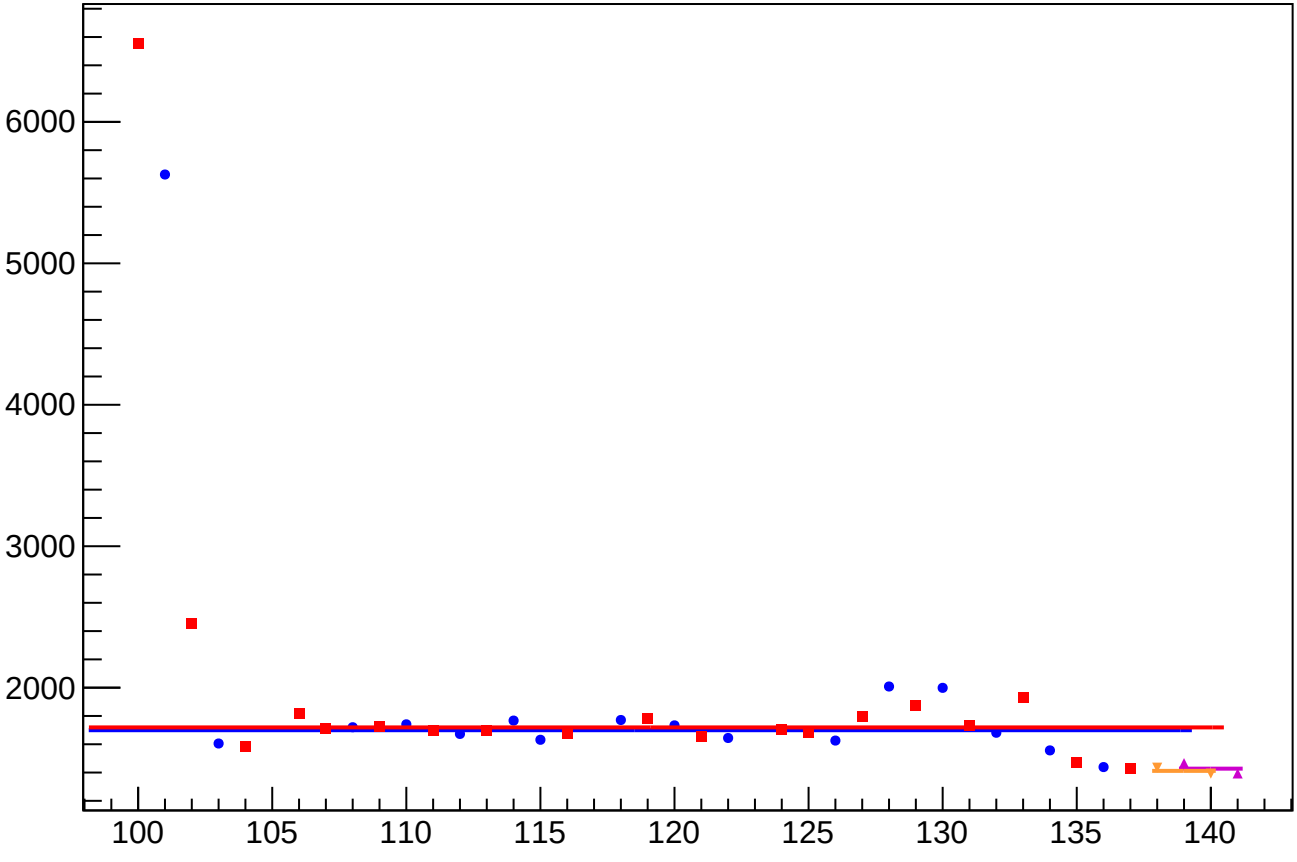
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 77.284+/-557.140 χ^2/NDF:24.5/17

Out: 105.143+/-555.518 χ^2/NDF:8.1/20

All: 91.254+/-393.383 χ^2/NDF: 32.6/38

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1411.797+/-0.784 χ^2/NDF:717.5/1

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1427.513+/-0.767 χ^2/NDF:2249.5/1

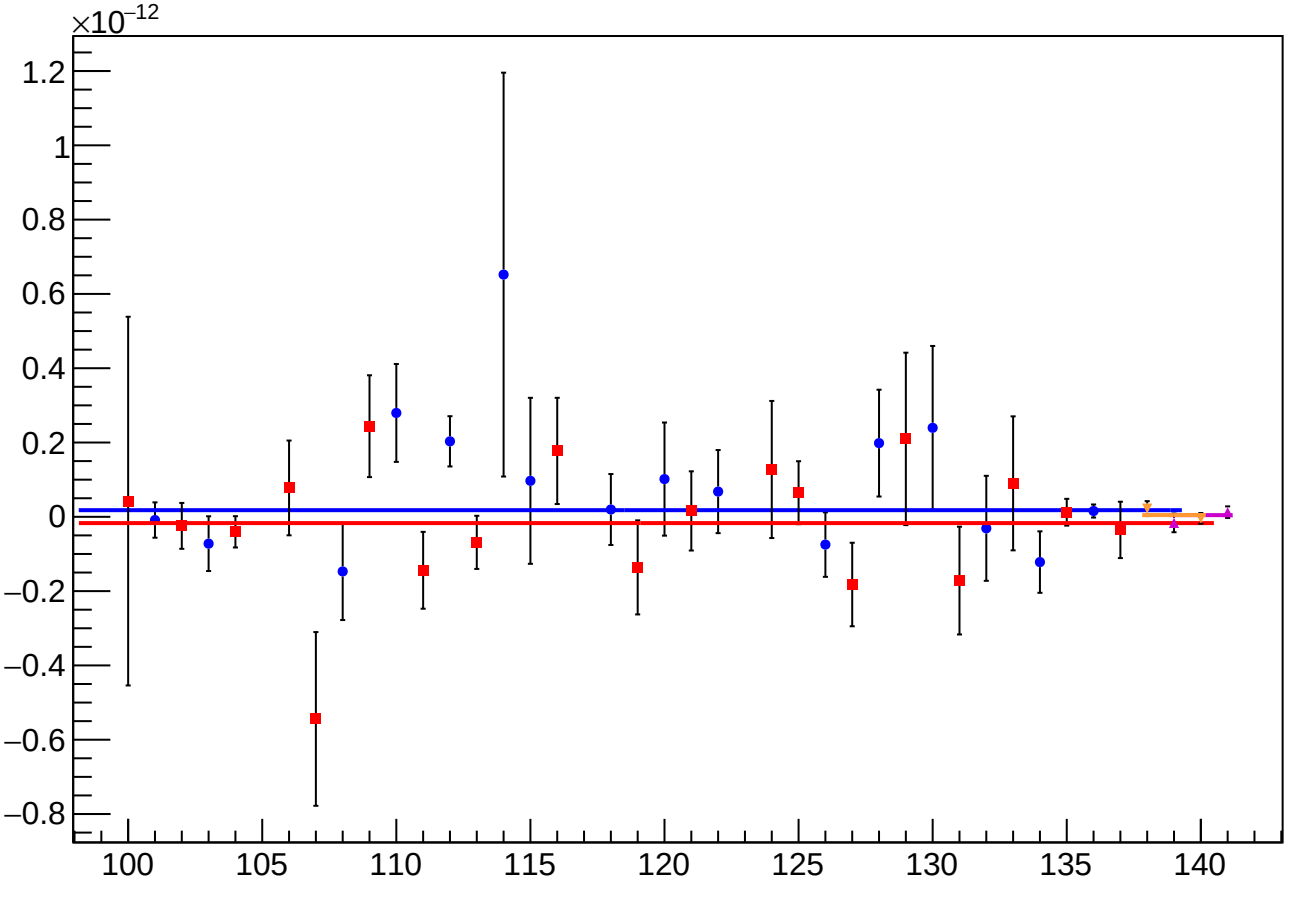
Left: 1419.821+/-0.548 χ^2/NDF: 3172.3/3

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1627.679+/-0.394 χ^2/NDF:856755.9/17

Out: 1641.891+/-0.393 χ^2/NDF:349608.3/20

All: 1634.806+/-0.278 χ^2/NDF: 1207016.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

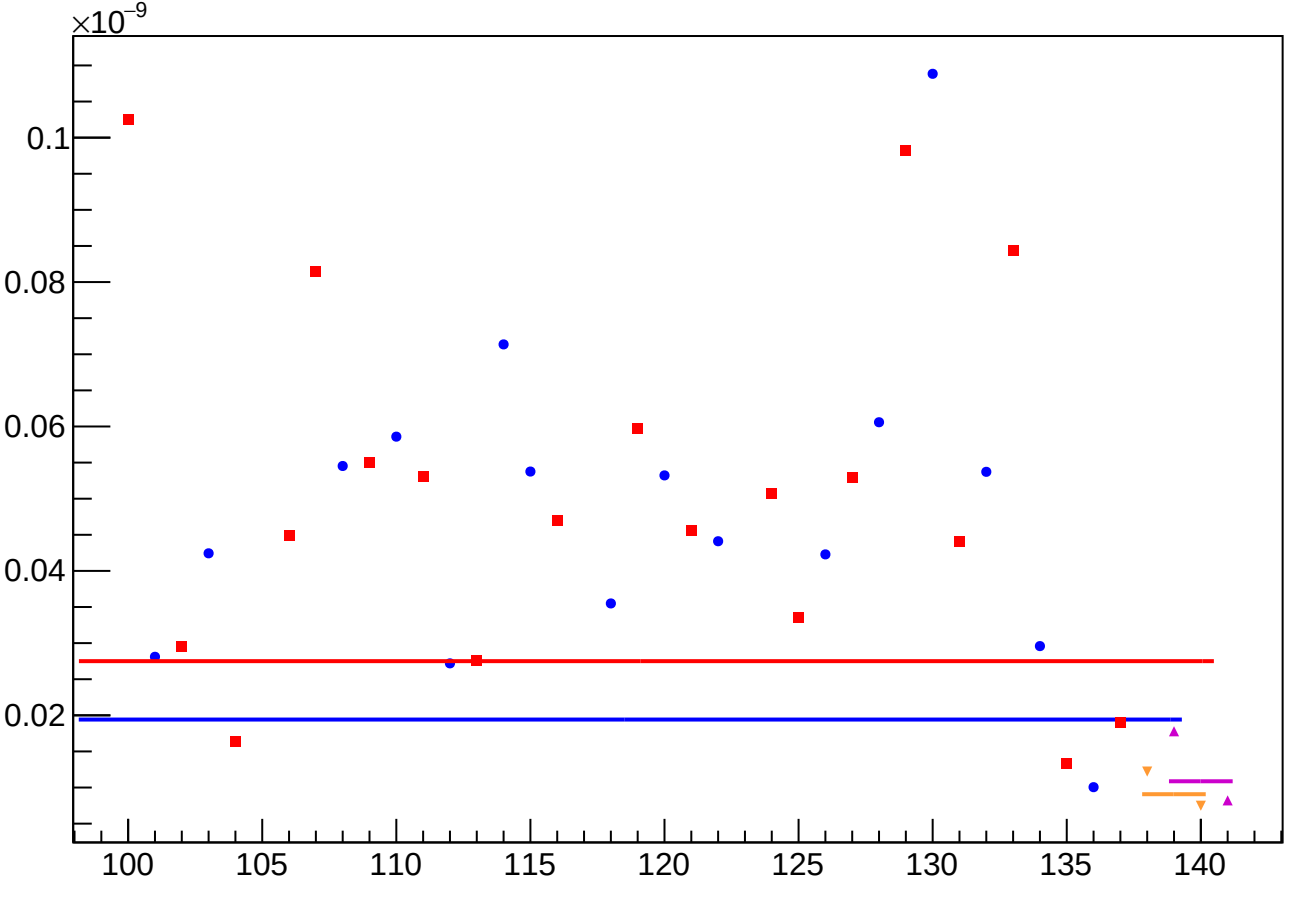
Left: 0.000+/-0.000 χ^2/NDF: 2.1/3

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:25.0/17

Out: -0.000+/-0.000 χ^2/NDF:23.4/20

All: 0.000+/-0.000 χ^2/NDF: 49.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:73369.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:210084.4/1

Left: 0.000+/-0.000 χ^2/NDF: 304089.9/3

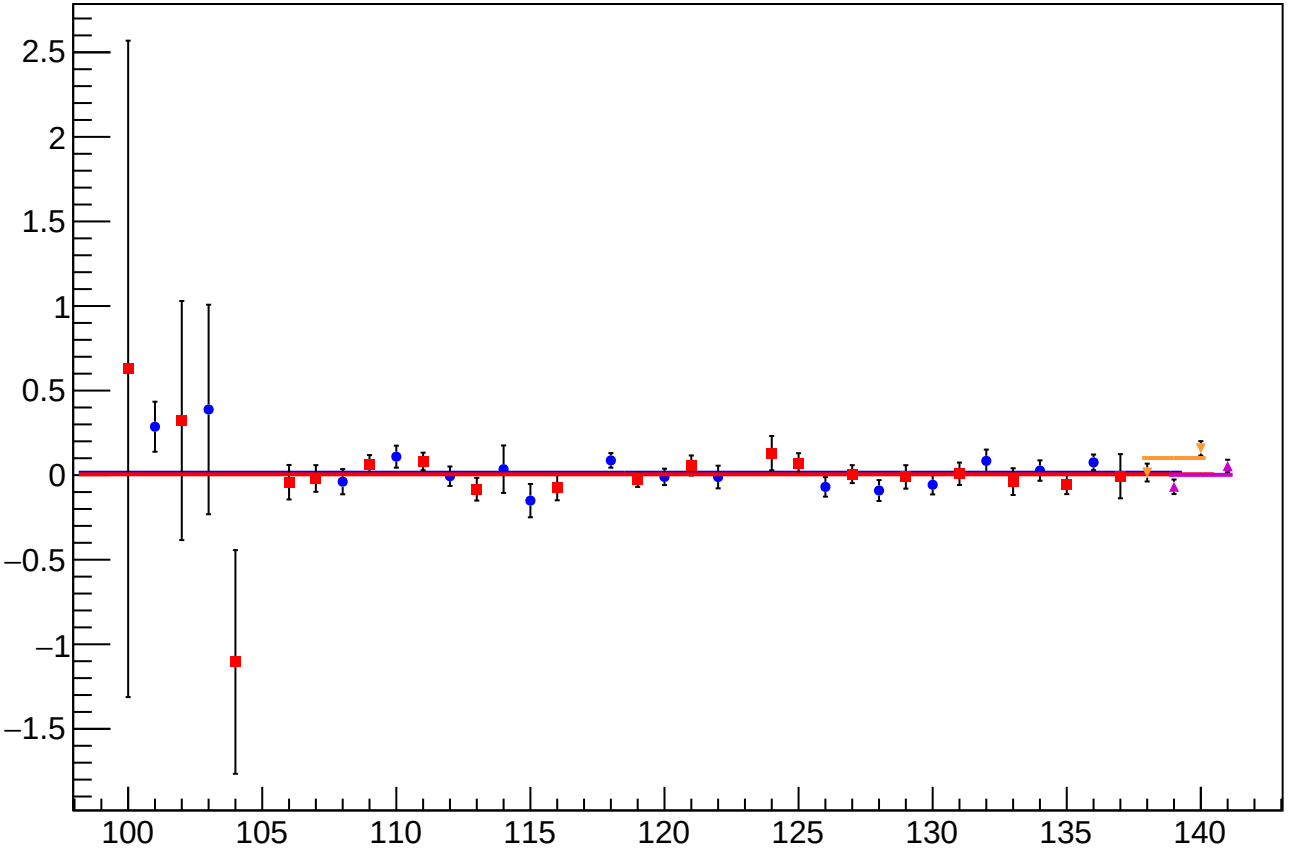
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:2868146.9/17

Out: 0.000+/-0.000 χ^2/NDF:3077773.5/20

All: 0.000+/-0.000 χ^2/NDF: 5950878.3/38

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.101+/-0.033 χ^2/NDF:4.4/1

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.002+/-0.028 χ^2/NDF:4.7/1

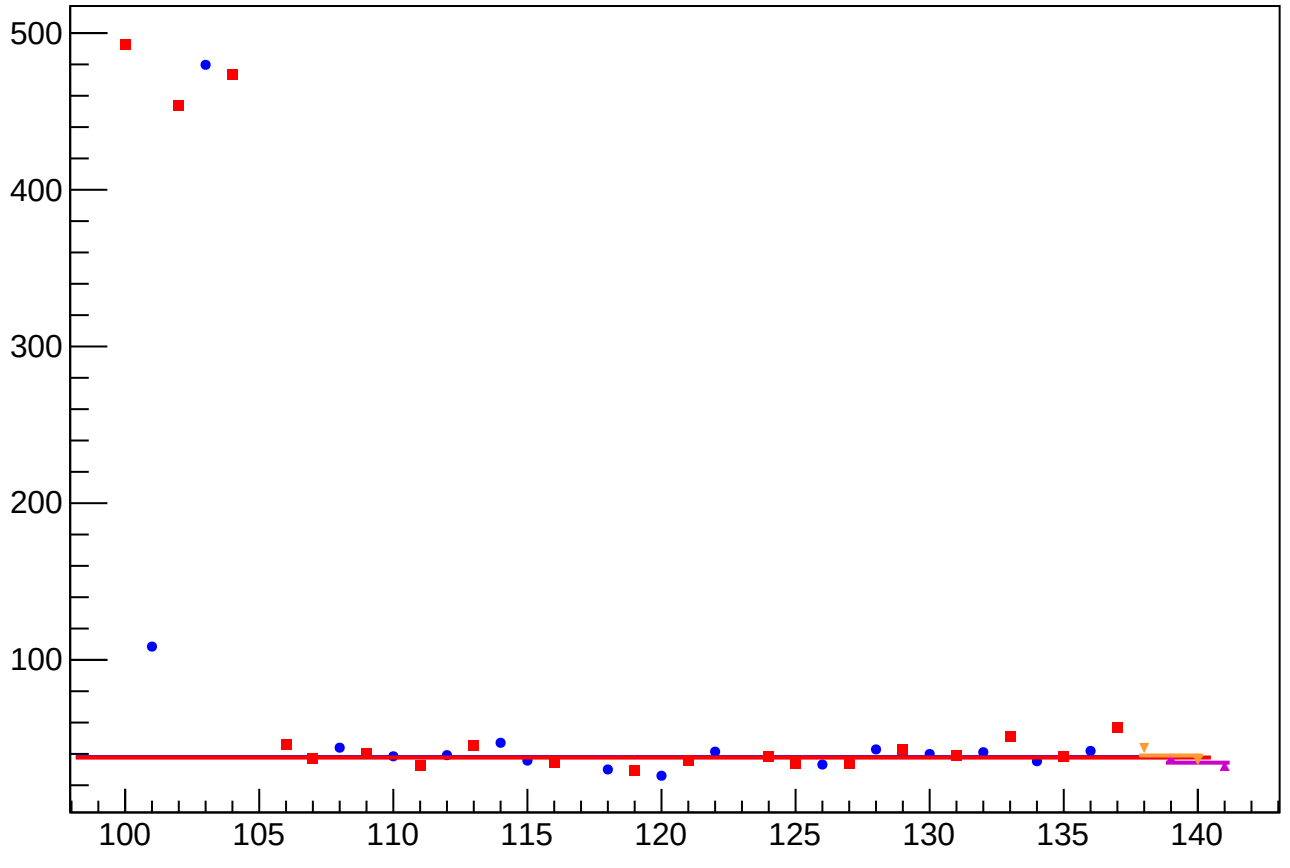
Left: 0.043+/-0.021 χ^2/NDF: 14.3/3

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.011+/-0.014 χ^2/NDF:26.9/17

Out: 0.023+/-0.014 χ^2/NDF:26.0/20

All: 0.017+/-0.010 χ^2/NDF: 53.2/38



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.988+/-0.024 χ^2/NDF:27371.5/1

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.414+/-0.020 χ^2/NDF:15191.9/1

Left: 36.311+/-0.015 χ^2/NDF: 64613.1/3

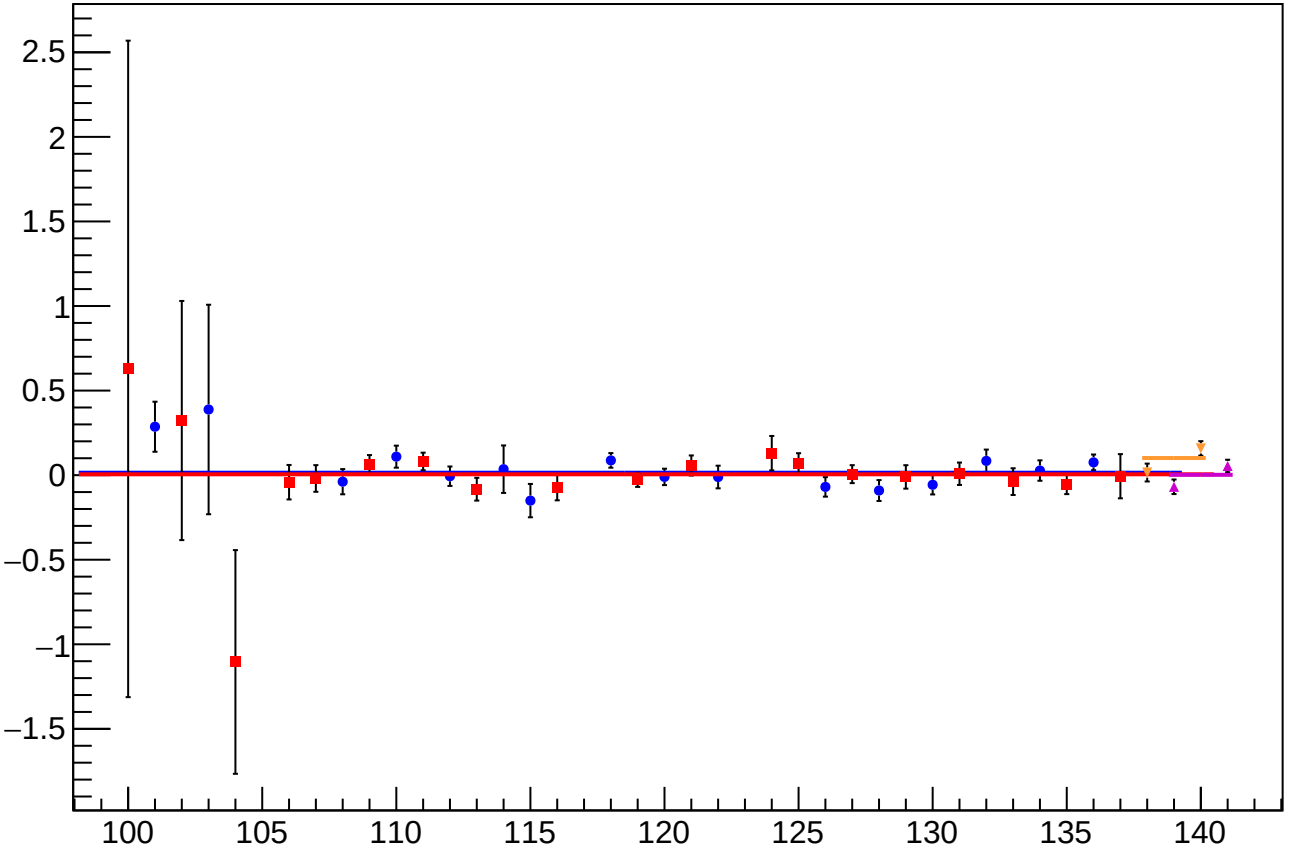
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.082+/-0.010 χ^2/NDF:1778778.5/17

Out: 37.939+/-0.010 χ^2/NDF:1974695.4/20

All: 37.492+/-0.007 χ^2/NDF: 3757136.2/38

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.101+/-0.033 χ^2/NDF:4.4/1

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.002+/-0.028 χ^2/NDF:4.7/1

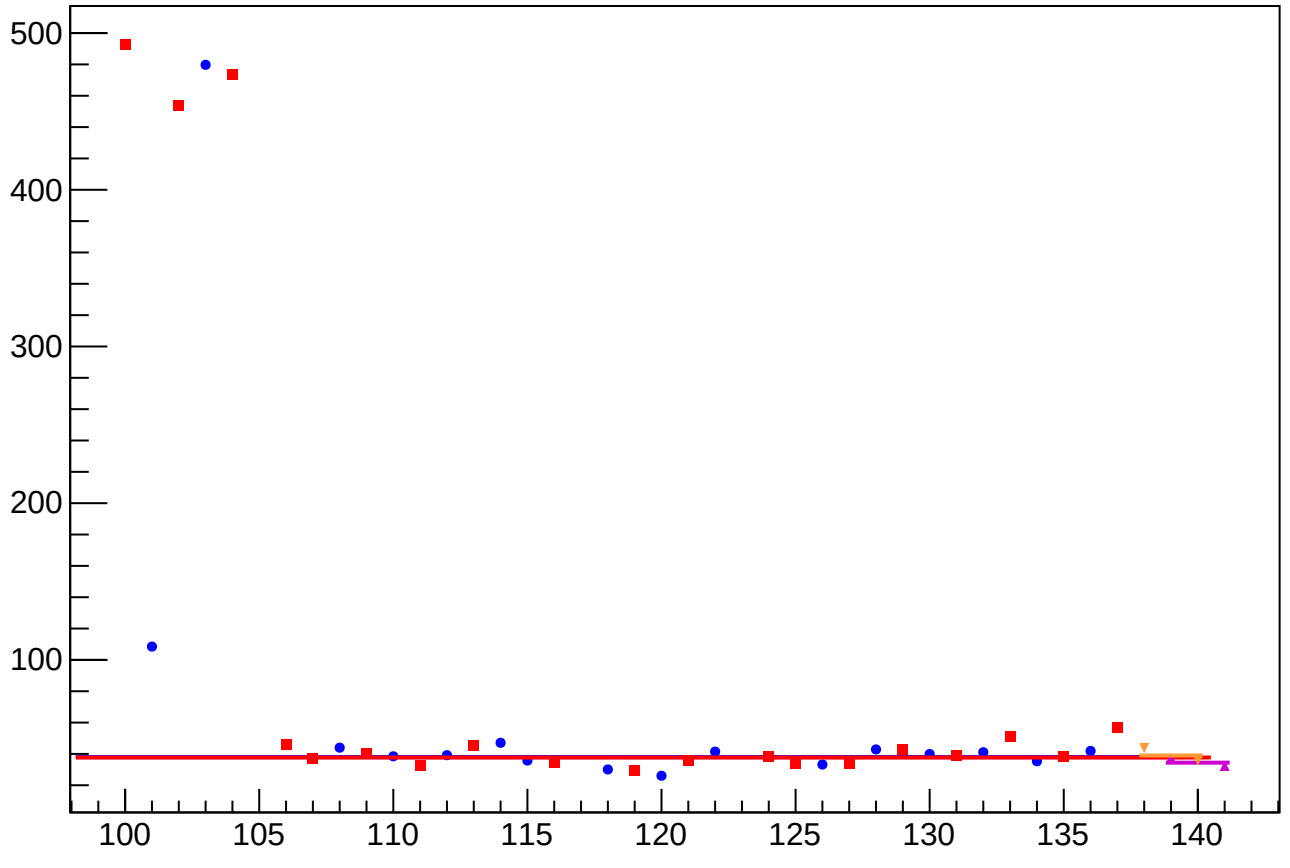
Left: 0.043+/-0.021 χ^2/NDF: 14.3/3

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.011+/-0.014 χ^2/NDF:26.9/17

Out: 0.023+/-0.014 χ^2/NDF:26.0/20

All: 0.017+/-0.010 χ^2/NDF: 53.2/38



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 38.988+/-0.024 χ^2/NDF:27371.5/1

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.414+/-0.020 χ^2/NDF:15191.9/1

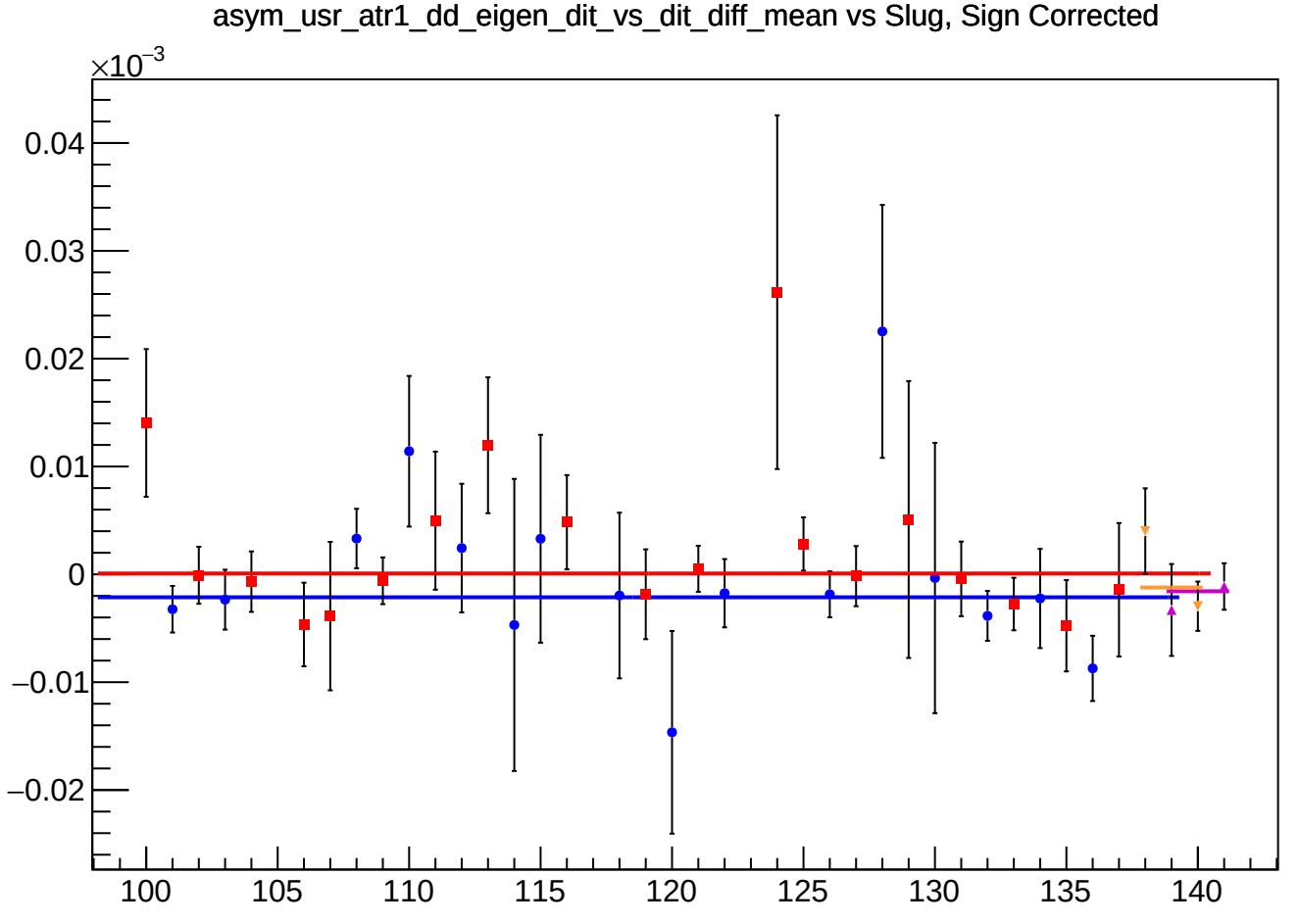
Left: 36.311+/-0.015 χ^2/NDF: 64613.1/3

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.082+/-0.010 χ^2/NDF:1778778.5/17

Out: 37.939+/-0.010 χ^2/NDF:1974695.4/20

All: 37.492+/-0.007 χ^2/NDF: 3757136.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

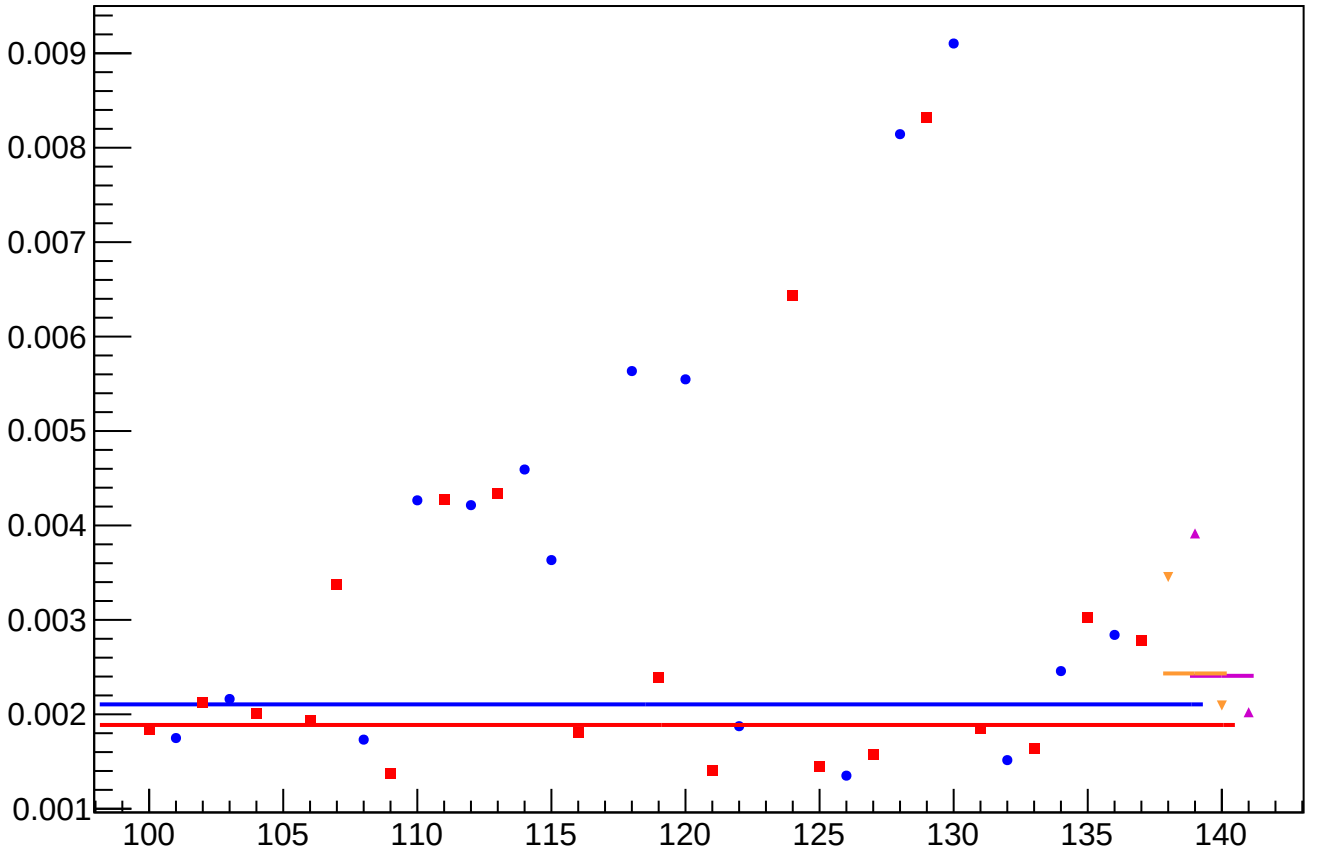
Left: -0.000+/-0.000 χ^2/NDF: 2.5/3

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:20.7/17

Out: -0.000+/-0.000 χ^2/NDF:21.1/20

All: -0.000+/-0.000 χ^2/NDF: 44.9/38



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:176348.9/1

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:314422.3/1

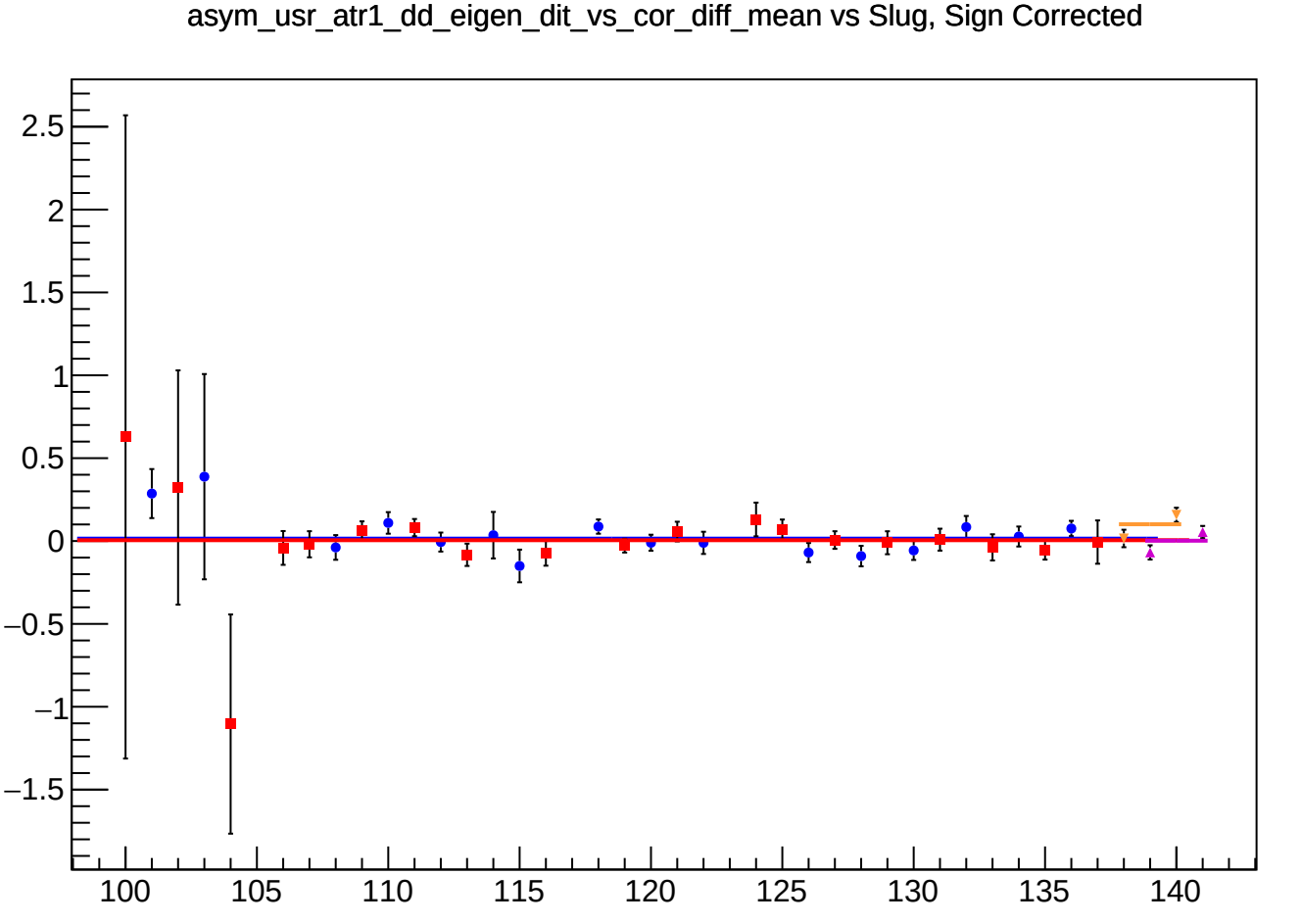
Left: 0.002+/-0.000 χ^2/NDF: 490935.9/3

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

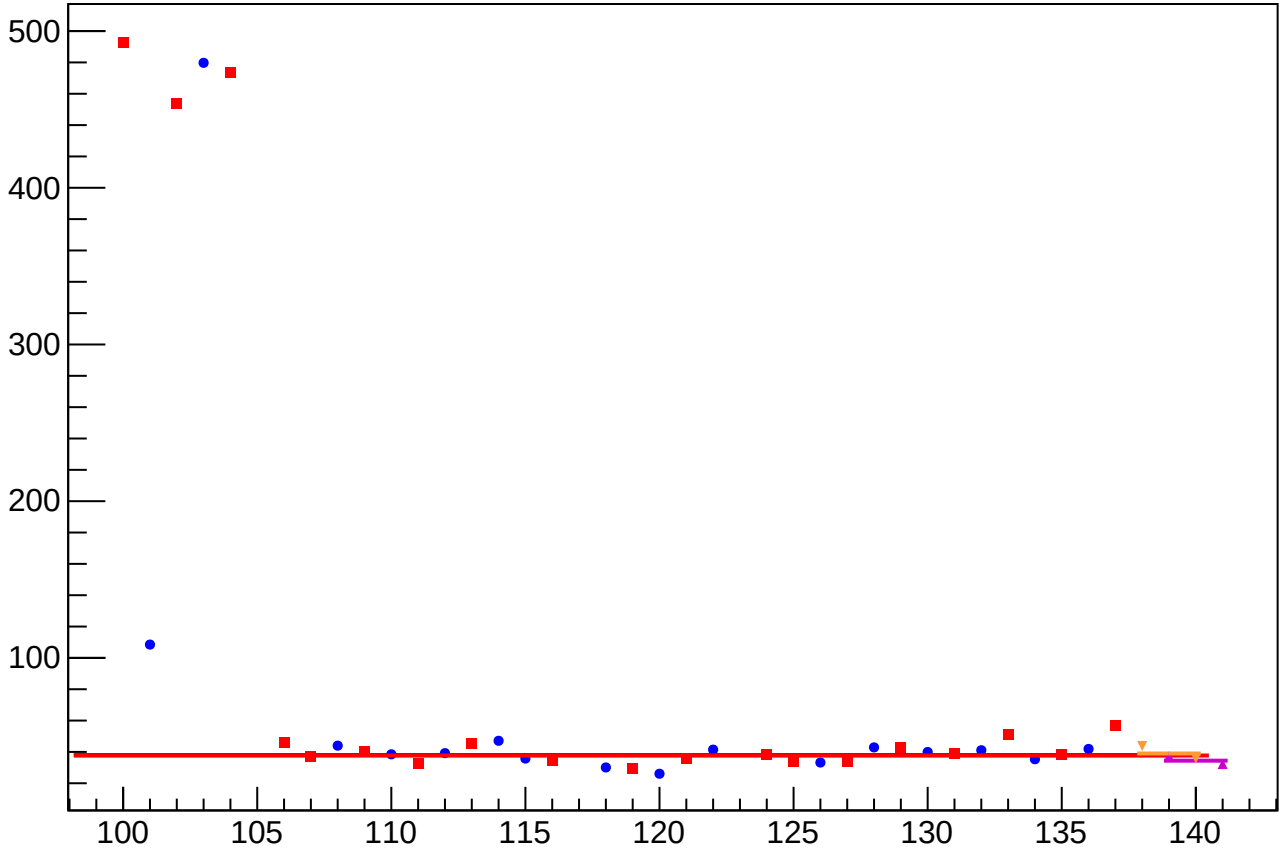
In: 0.002+/-0.000 χ^2/NDF:3372628.3/17

Out: 0.002+/-0.000 χ^2/NDF:2199129.3/20

All: 0.002+/-0.000 χ^2/NDF: 5636840.9/38


asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
105
110
115
120
125
130
135
140
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.101+/-0.033 χ²/NDF:4.4/1
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: 0.002+/-0.028 χ²/NDF:4.7/1
Left: 0.043+/-0.021 χ²/NDF: 14.3/3
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: 0.011+/-0.014 χ²/NDF:26.9/17
Out: 0.023+/-0.014 χ²/NDF:26.0/20
All: 0.017+/-0.010 χ²/NDF: 53.2/38

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.989+/-0.024 χ^2/NDF:27375.7/1

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.413+/-0.020 χ^2/NDF:15191.6/1

Left: 36.311+/-0.015 χ^2/NDF: 64627.9/3

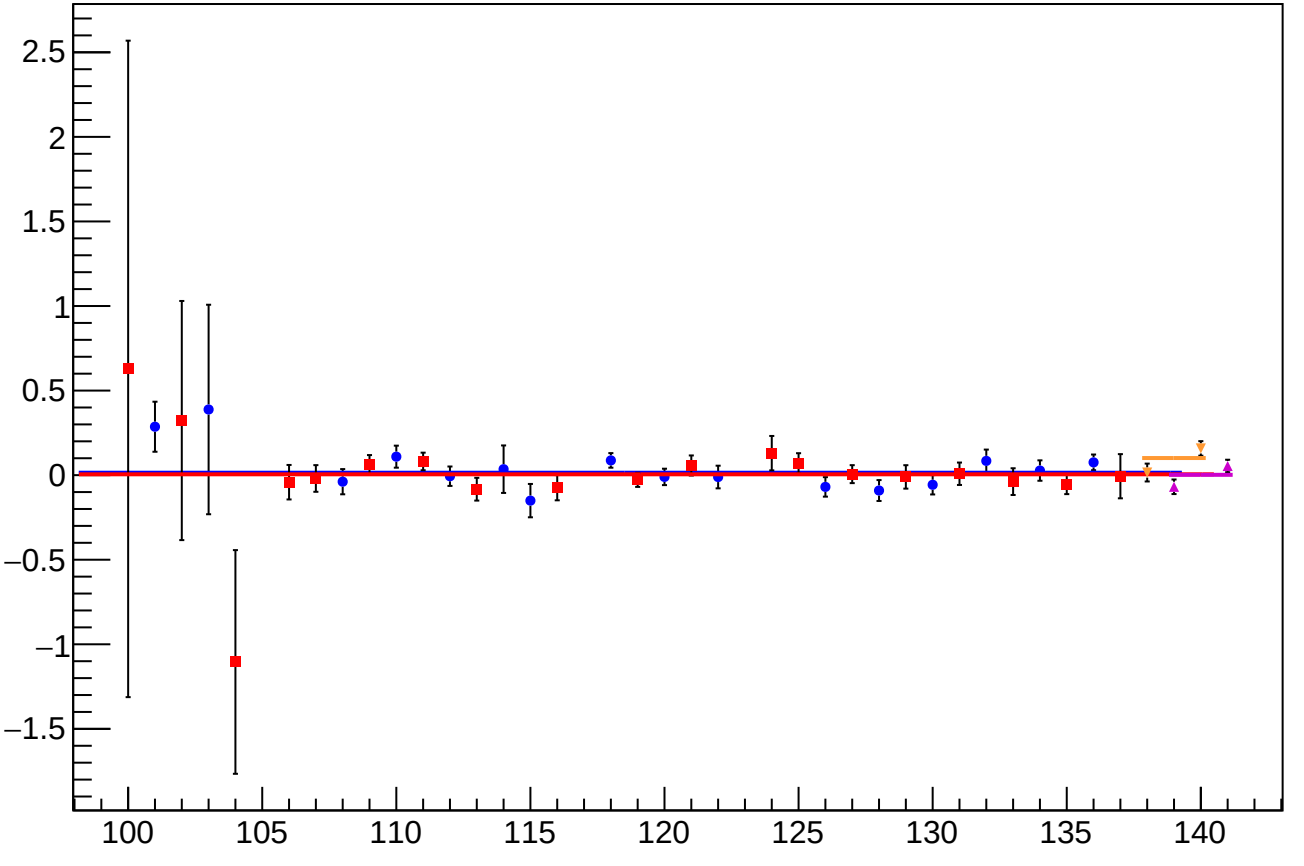
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.082+/-0.010 χ^2/NDF:1778791.8/17

Out: 37.938+/-0.010 χ^2/NDF:1974783.6/20

All: 37.492+/-0.007 χ^2/NDF: 3757234.7/38

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.101+/-0.033 χ^2/NDF:4.4/1

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.002+/-0.028 χ^2/NDF:4.7/1

Left: 0.043+/-0.021 χ^2/NDF: 14.3/3

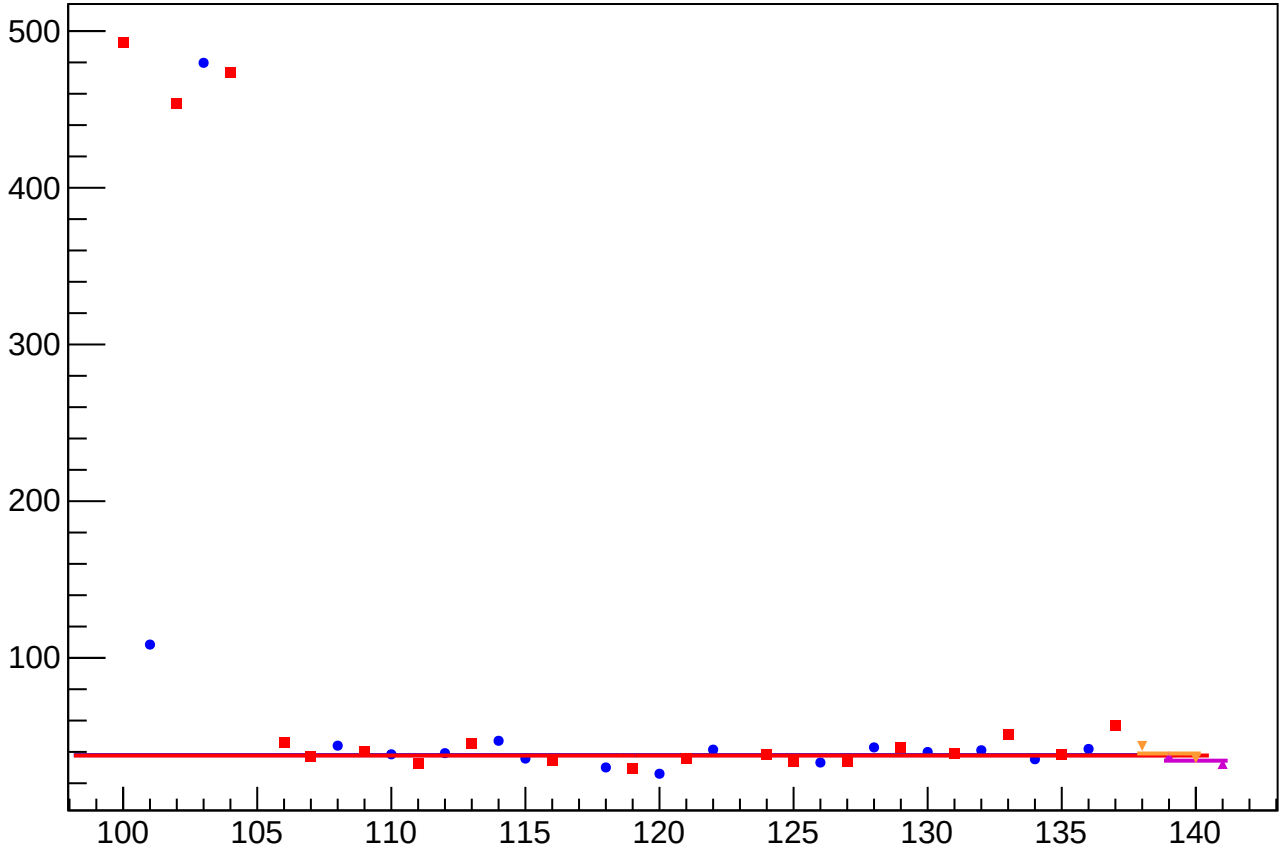
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.011+/-0.014 χ^2/NDF:26.9/17

Out: 0.023+/-0.014 χ^2/NDF:26.0/20

All: 0.017+/-0.010 χ^2/NDF: 53.2/38

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 38.989+/-0.024 χ^2/NDF:27375.7/1

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.413+/-0.020 χ^2/NDF:15191.6/1

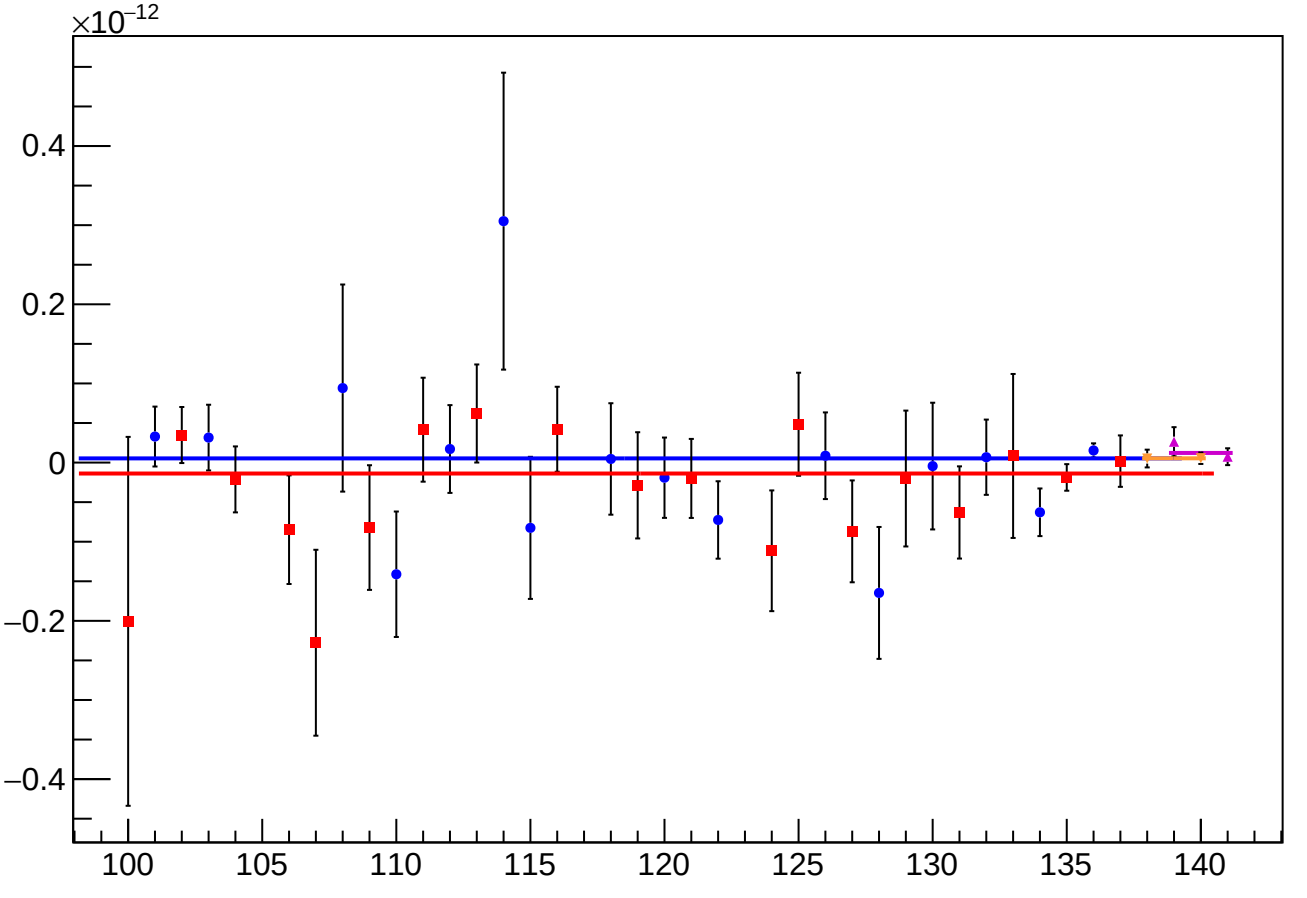
Left: 36.311+/-0.015 χ^2/NDF: 64627.9/3

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.082+/-0.010 χ^2/NDF:1778791.8/17

Out: 37.938+/-0.010 χ^2/NDF:1974783.6/20

All: 37.492+/-0.007 χ^2/NDF: 3757234.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/1

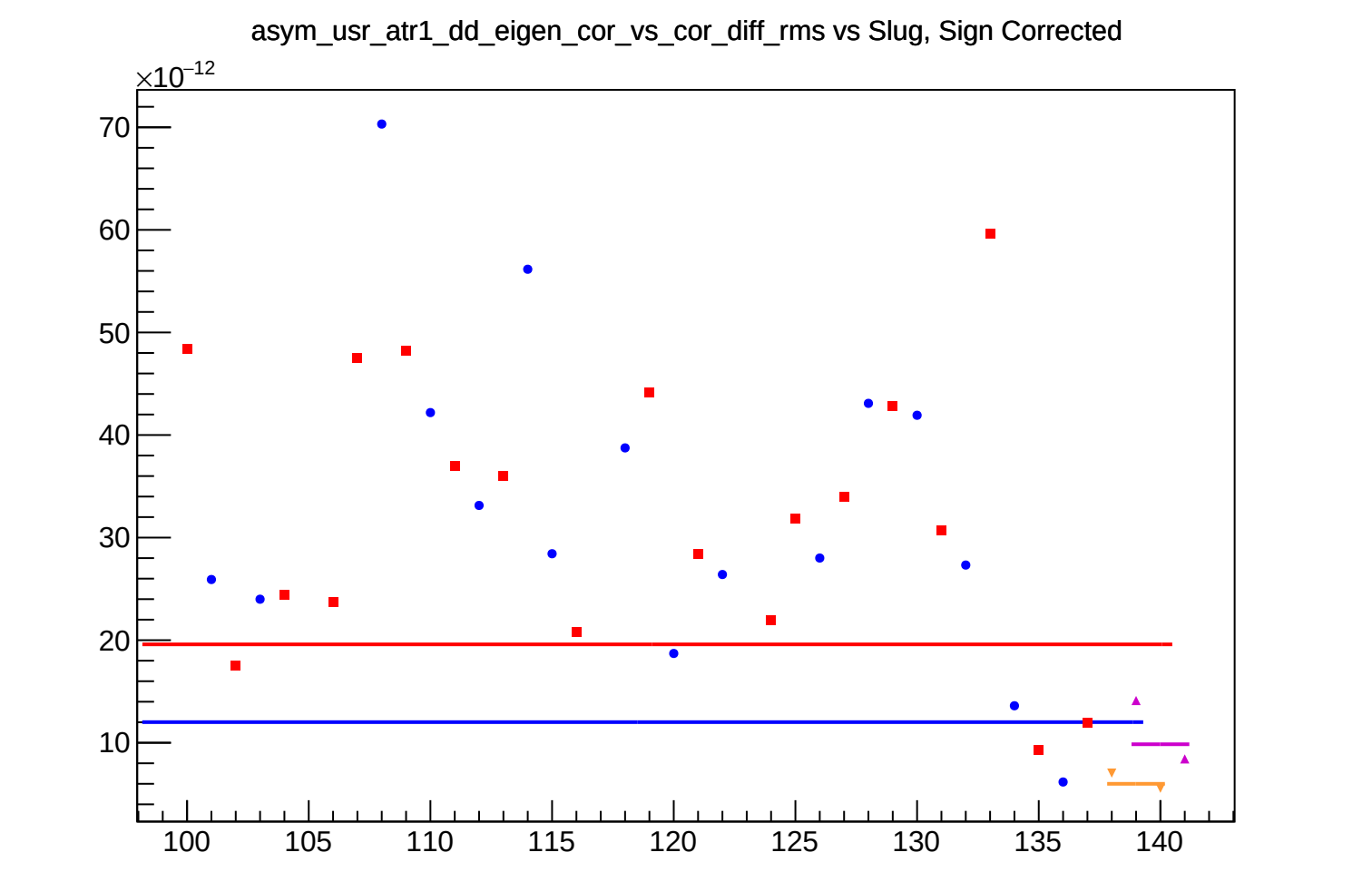
Left: 0.000+/-0.000 χ^2/NDF: 1.2/3

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:22.8/17

Out: 0.000+/-0.000 χ^2/NDF:18.5/20

All: 0.000+/-0.000 χ^2/NDF: 42.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24559.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:143420.8/1

Left: 0.000+/-0.000 χ^2/NDF: 411955.8/3

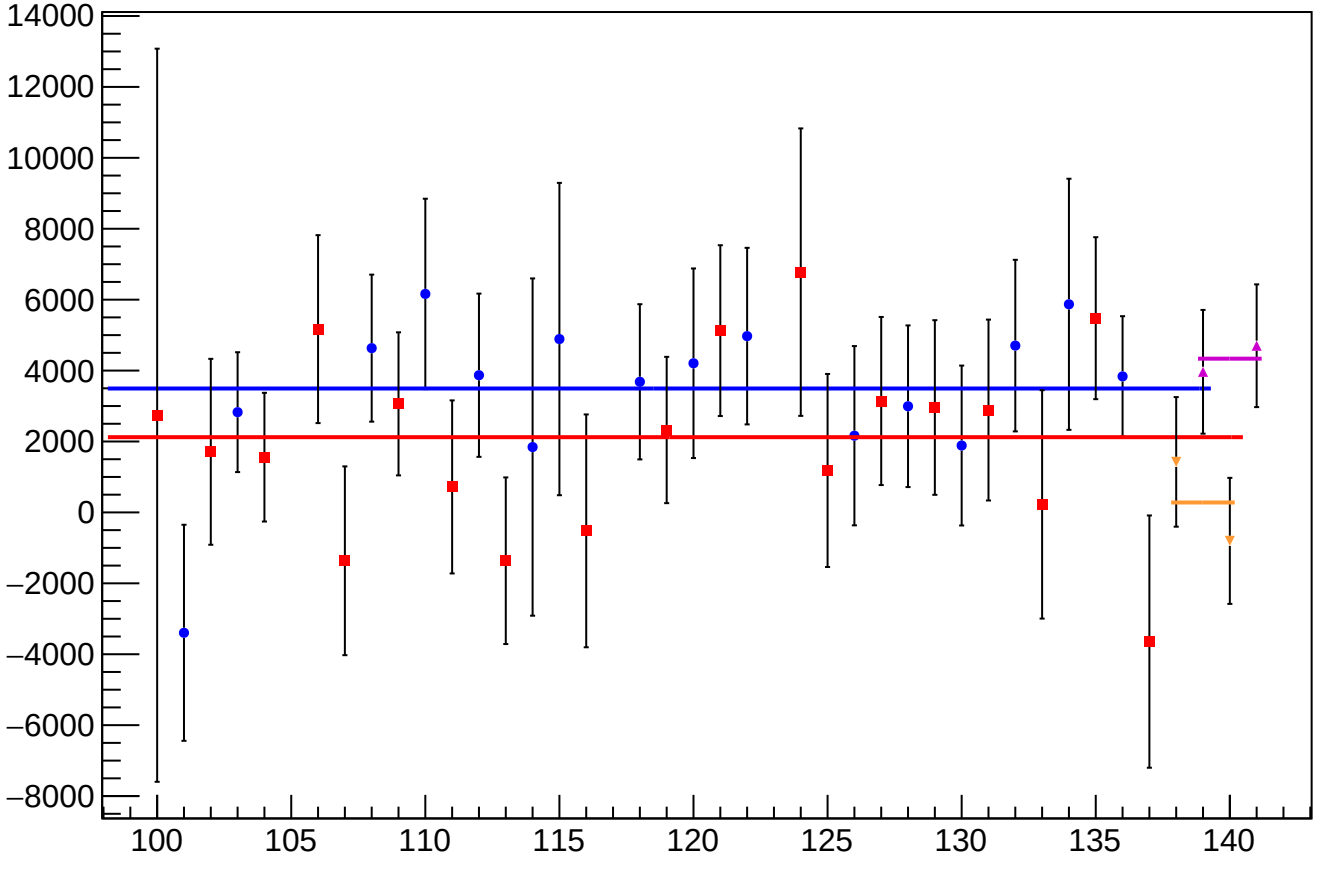
Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:4078179.9/17

Out: 0.000+/-0.000 χ^2/NDF:5131308.5/20

All: 0.000+/-0.000 χ^2/NDF: 9308700.6/38

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 279.862+/-1274.169 χ^2/NDF:0.8/1

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 4336.023+/-1228.887 χ^2/NDF:0.1/1

Left: 2381.298+/-884.530 χ^2/NDF: 6.1/3

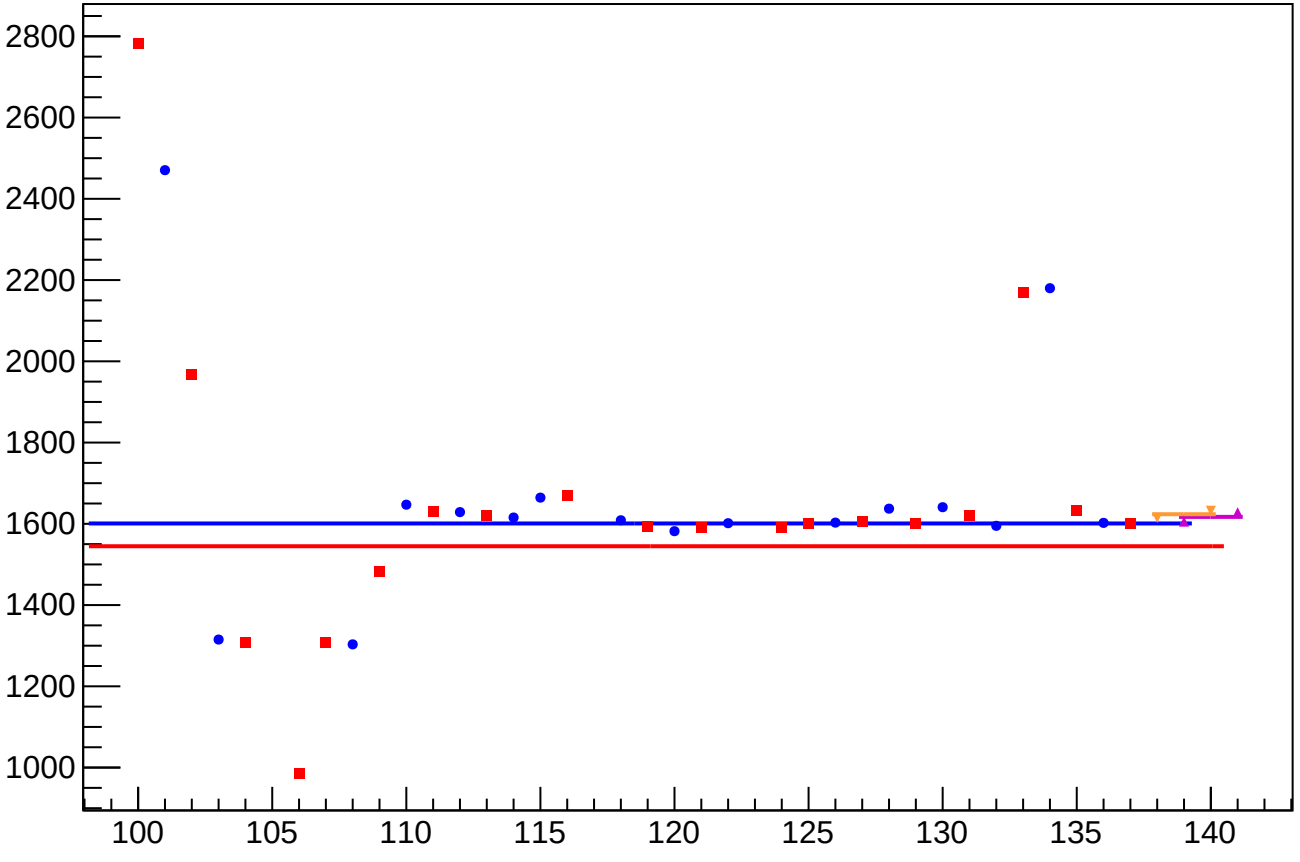
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3656.910+/-540.026 χ^2/NDF:9.3/17

Out: 1798.688+/-533.605 χ^2/NDF:17.6/20

All: 2716.686+/-379.566 χ^2/NDF: 32.8/38

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1623.571+/-0.901 χ^2/NDF:94.4/1

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1617.055+/-0.869 χ^2/NDF:175.0/1

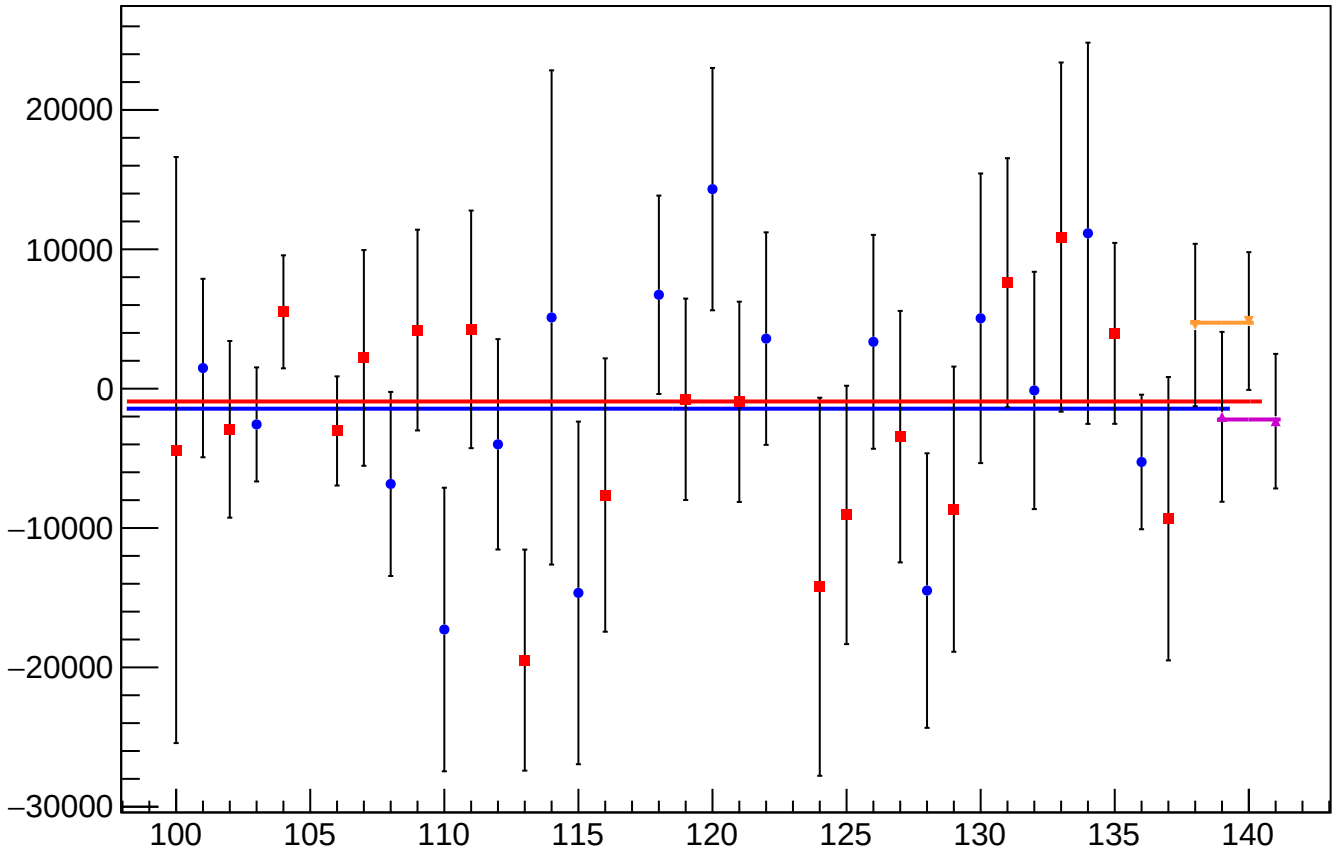
Left: 1620.195+/-0.625 χ^2/NDF: 296.5/3

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1604.003+/-0.382 χ^2/NDF:317868.6/17

Out: 1558.244+/-0.372 χ^2/NDF:382560.3/20

All: 1580.532+/-0.266 χ^2/NDF: 707794.7/38



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 4733.427+/-3769.779 χ^2/NDF:0.0/1

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: -2212.211+/-3785.032 χ^2/NDF:0.0/1

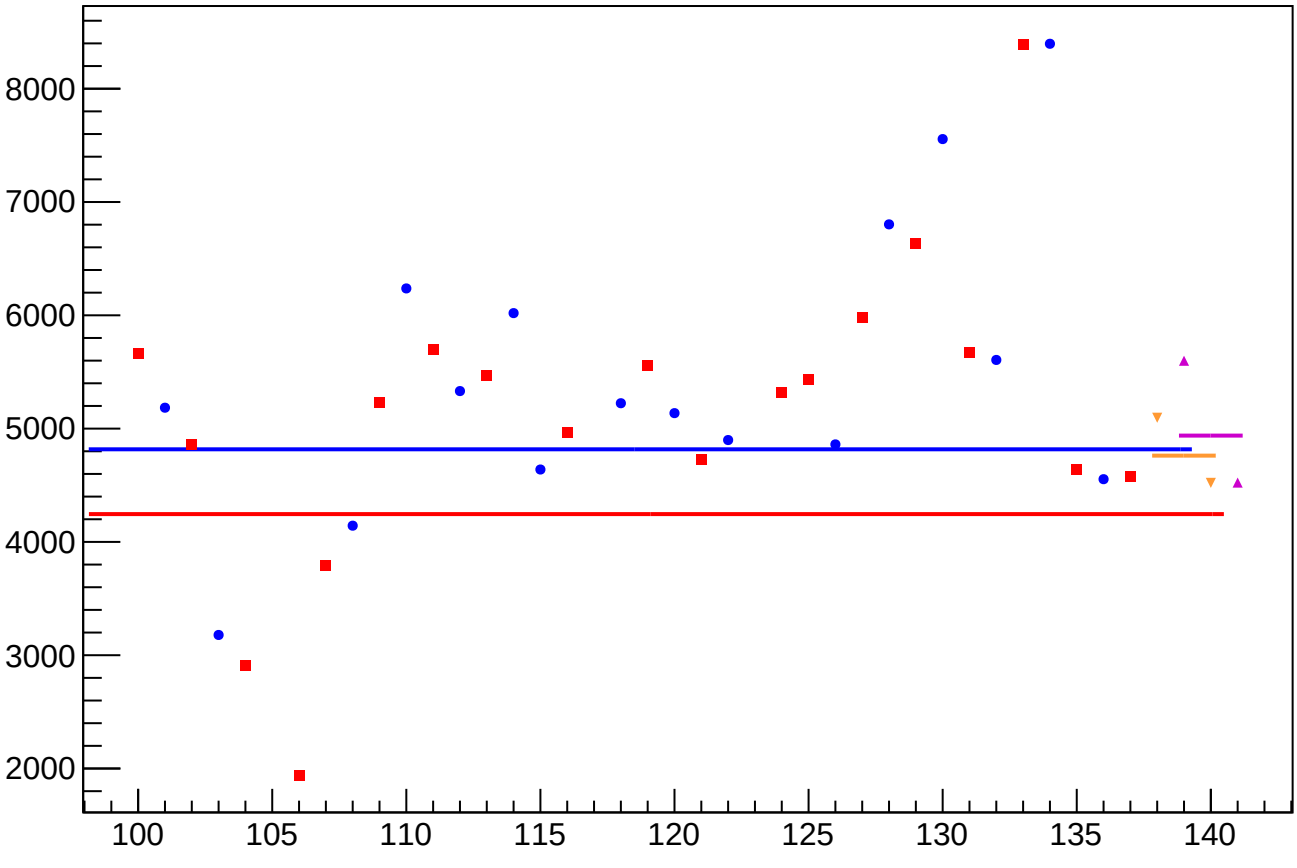
Left: 1274.631+/-2671.013 χ^2/NDF: 1.7/3

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -1586.355+/-1660.848 χ^2/NDF:13.9/17

Out: 8.050+/-1526.333 χ^2/NDF:17.2/20

All: -721.980+/-1123.831 χ^2/NDF: 31.6/38



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4761.552+/-2.666 χ^2/NDF:11316.9/1

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4938.326+/-2.676 χ^2/NDF:38248.2/1

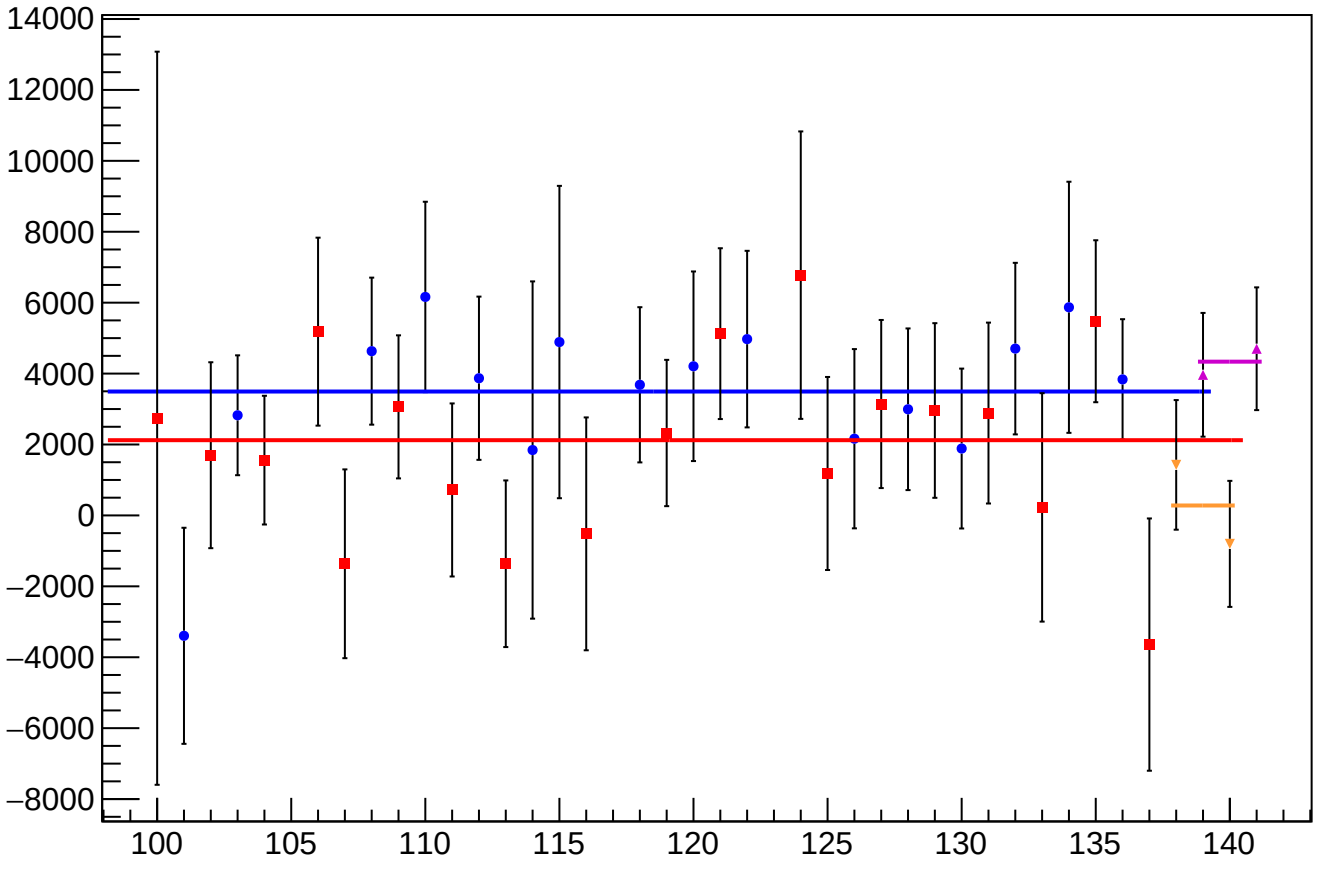
Left: 4849.582+/-1.889 χ^2/NDF: 51755.1/3

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4840.638+/-1.174 χ^2/NDF:835329.2/17

Out: 4330.126+/-1.079 χ^2/NDF:1725806.9/20

All: 4563.874+/-0.795 χ^2/NDF: 2663579.7/38



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 279.910+/-1274.169 χ^2/NDF:0.8/1

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 4336.227+/-1228.887 χ^2/NDF:0.1/1

Left: 2381.427+/-884.530 χ^2/NDF: 6.1/3

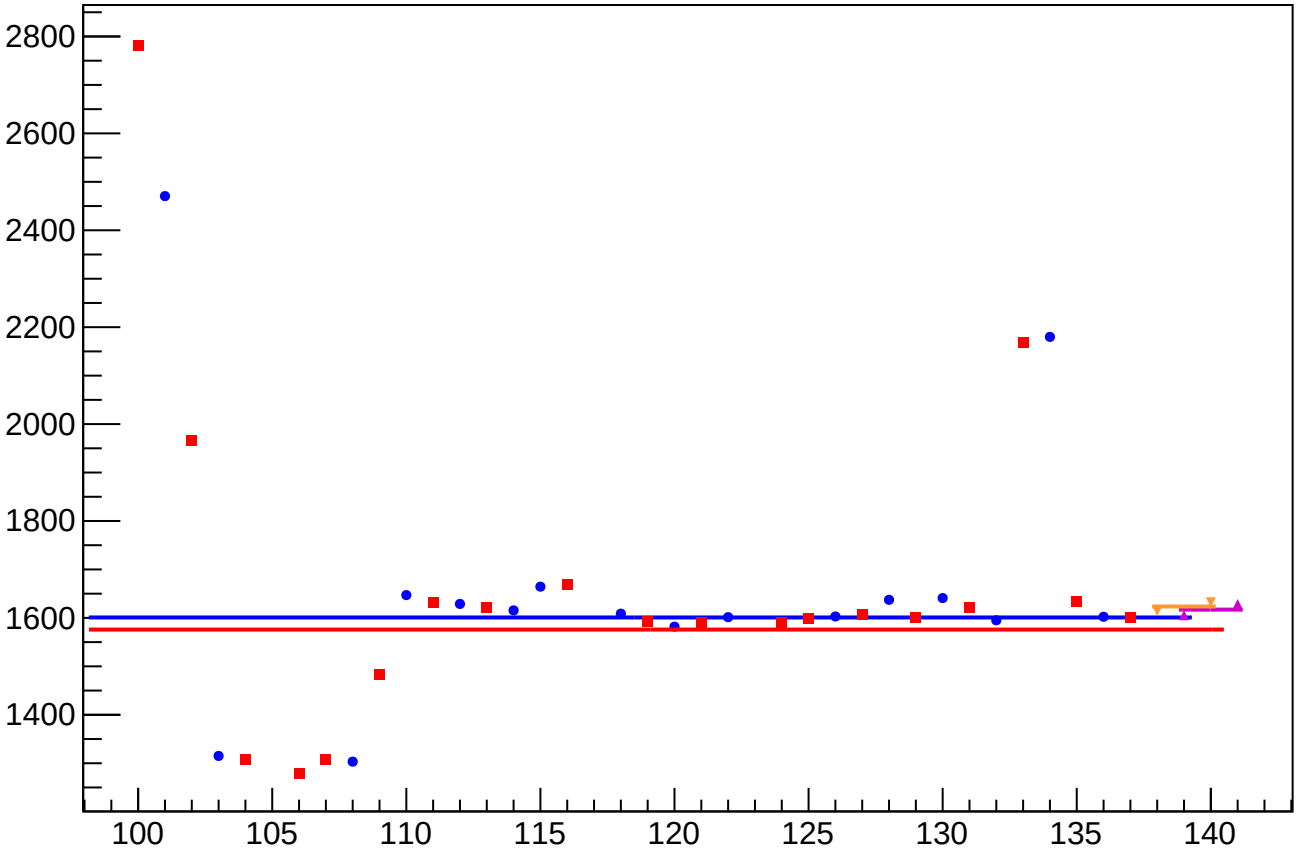
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3656.680+/-540.027 χ^2/NDF:9.3/17

Out: 1798.686+/-533.608 χ^2/NDF:17.6/20

All: 2716.575+/-379.567 χ^2/NDF: 32.8/38

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1623.571+/-0.901 χ^2/NDF:94.4/1

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1617.055+/-0.869 χ^2/NDF:175.0/1

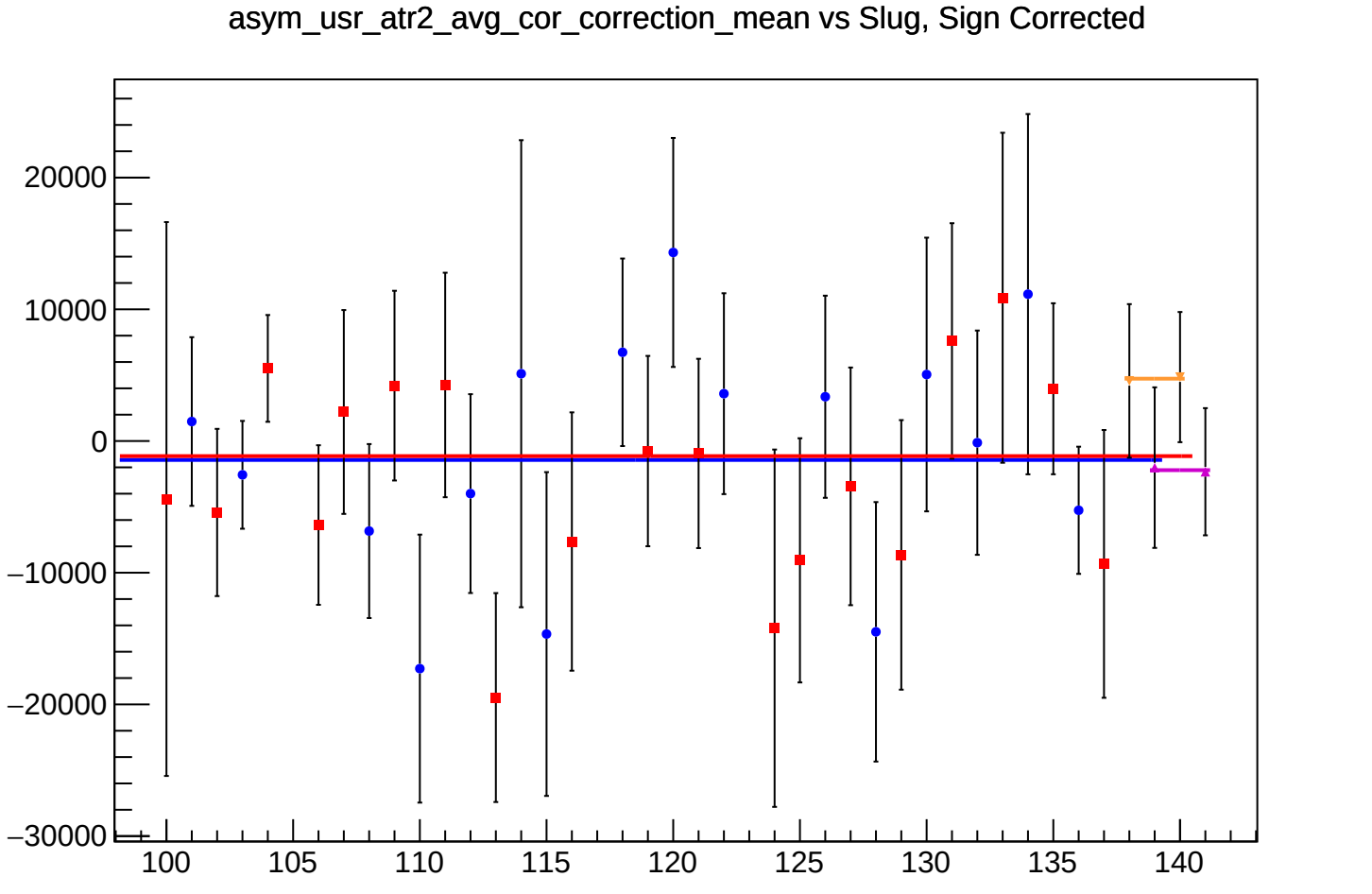
Left: 1620.195+/-0.625 χ^2/NDF: 296.5/3

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1604.003+/-0.382 χ^2/NDF:317867.7/17

Out: 1584.207+/-0.376 χ^2/NDF:245738.1/20

All: 1593.955+/-0.268 χ^2/NDF: 564970.1/38



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4733.291+/-3769.770 χ^2/NDF:0.0/1

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -2212.197+/-3785.027 χ^2/NDF:0.0/1

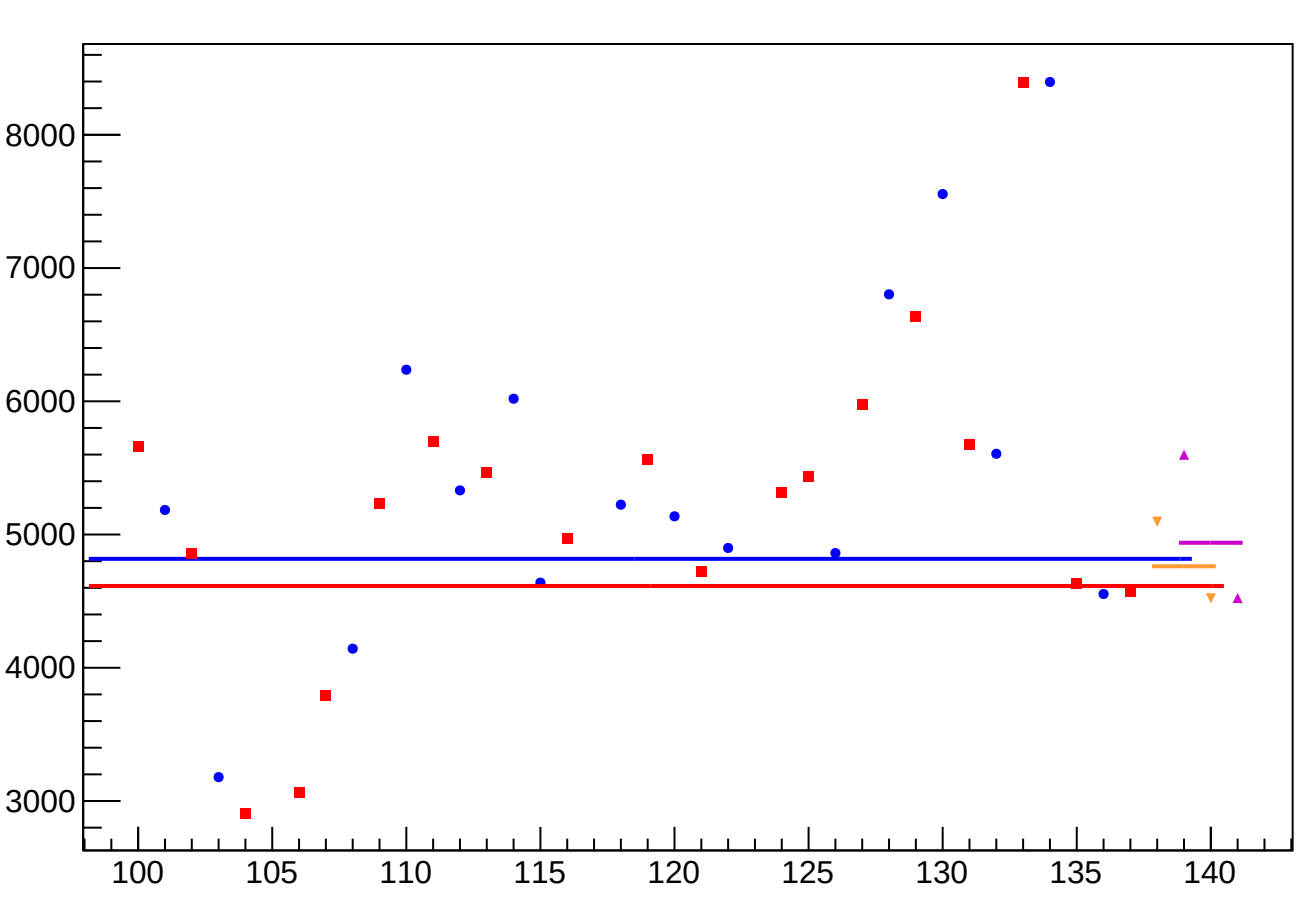
Left: 1274.574+/-2671.008 χ^2/NDF: 1.7/3

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -1586.554+/-1660.875 χ^2/NDF:13.9/17

Out: -88.690+/-1598.759 χ^2/NDF:18.2/20

All: -809.089+/-1151.827 χ^2/NDF: 32.6/38



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4761.540+/-2.666 χ^2/NDF:11317.3/1

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4938.319+/-2.676 χ^2/NDF:38249.0/1

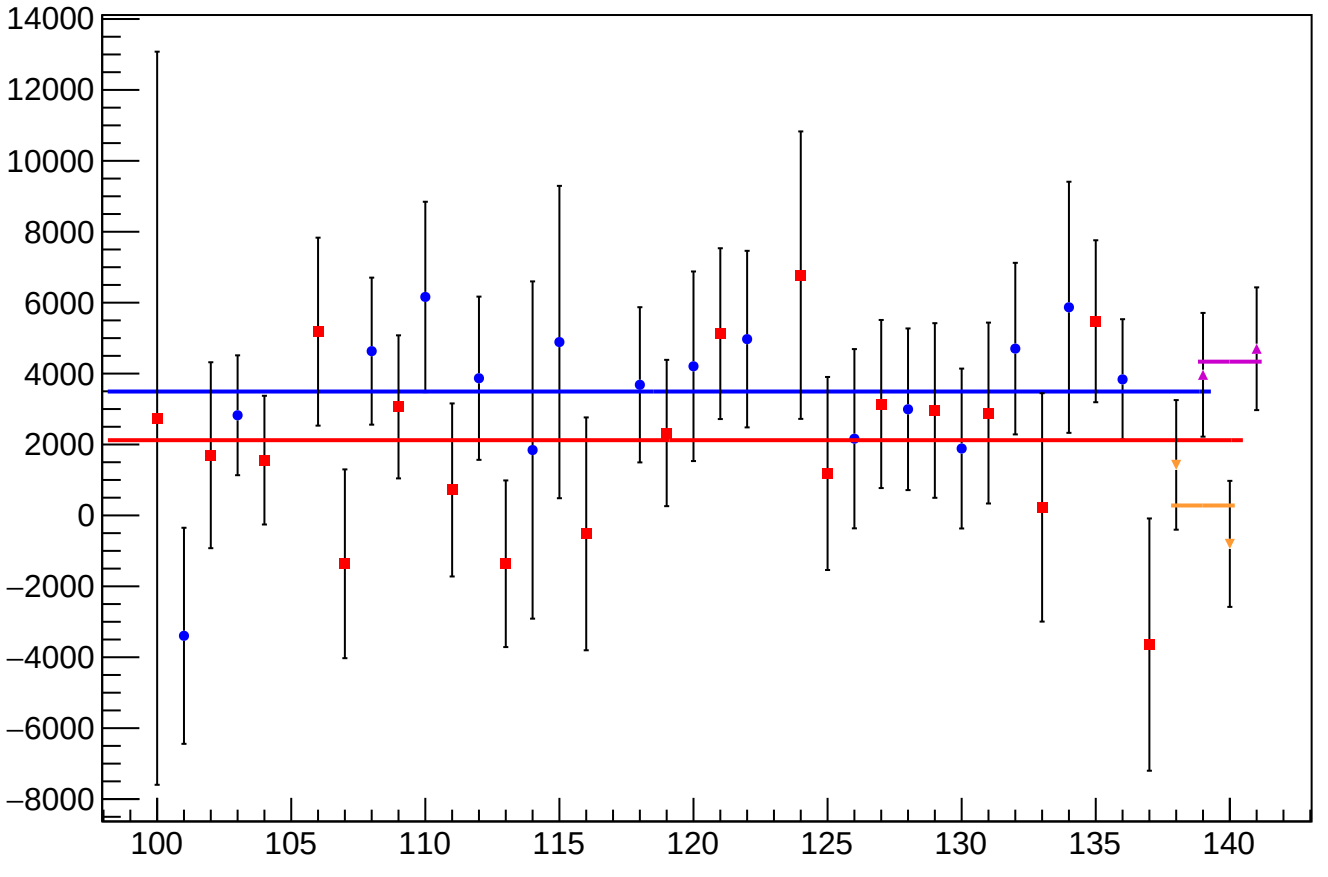
Left: 4849.572+/-1.889 χ^2/NDF: 51756.5/3

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4840.747+/-1.174 χ^2/NDF:835128.3/17

Out: 4640.414+/-1.130 χ^2/NDF:991793.1/20

All: 4736.764+/-0.814 χ^2/NDF: 1842024.6/38



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 279.910+/-1274.169 χ^2/NDF:0.8/1

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 4336.227+/-1228.887 χ^2/NDF:0.1/1

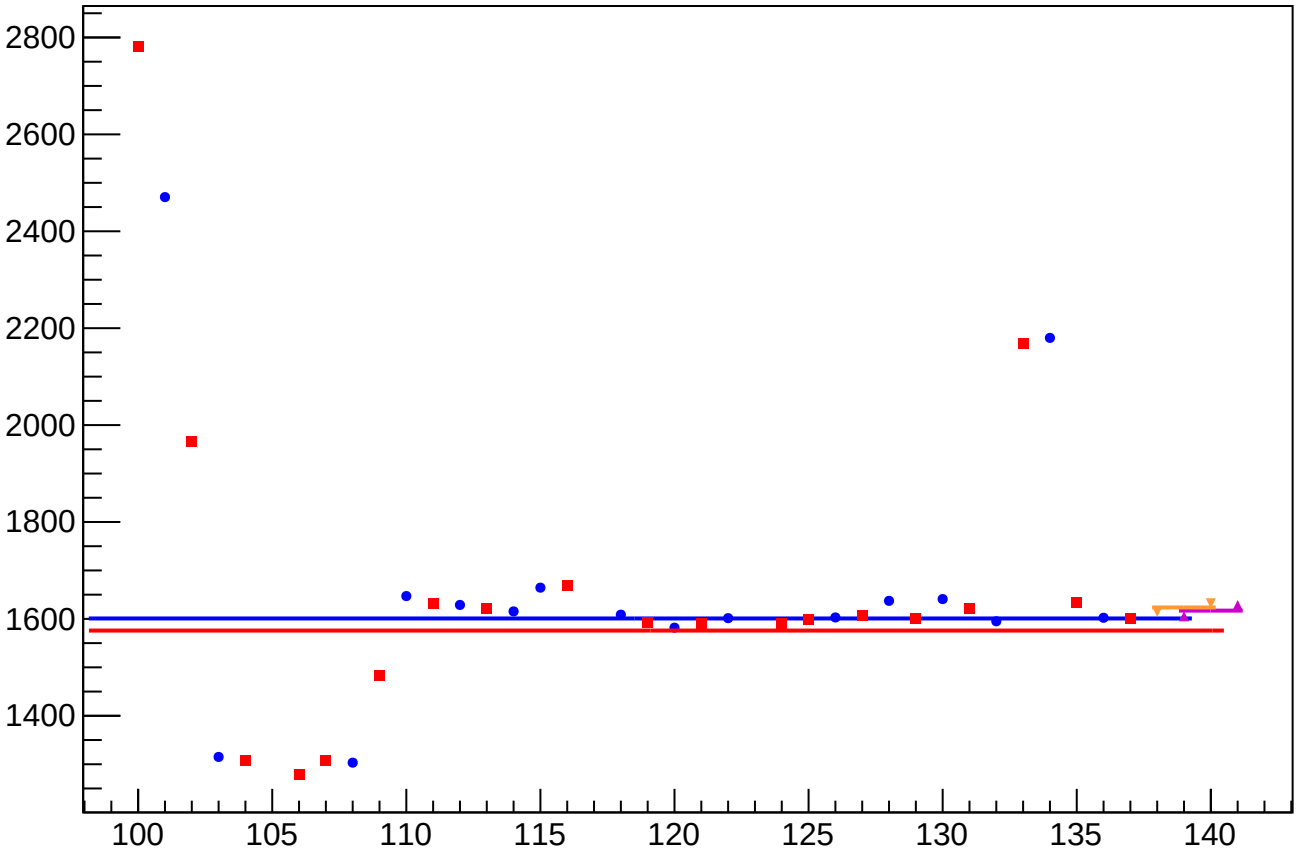
Left: 2381.427+/-884.530 χ^2/NDF: 6.1/3

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3656.680+/-540.027 χ^2/NDF:9.3/17

Out: 1798.686+/-533.608 χ^2/NDF:17.6/20

All: 2716.575+/-379.567 χ^2/NDF: 32.8/38



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1623.571+/-0.901 χ^2/NDF:94.4/1

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1617.055+/-0.869 χ^2/NDF:175.0/1

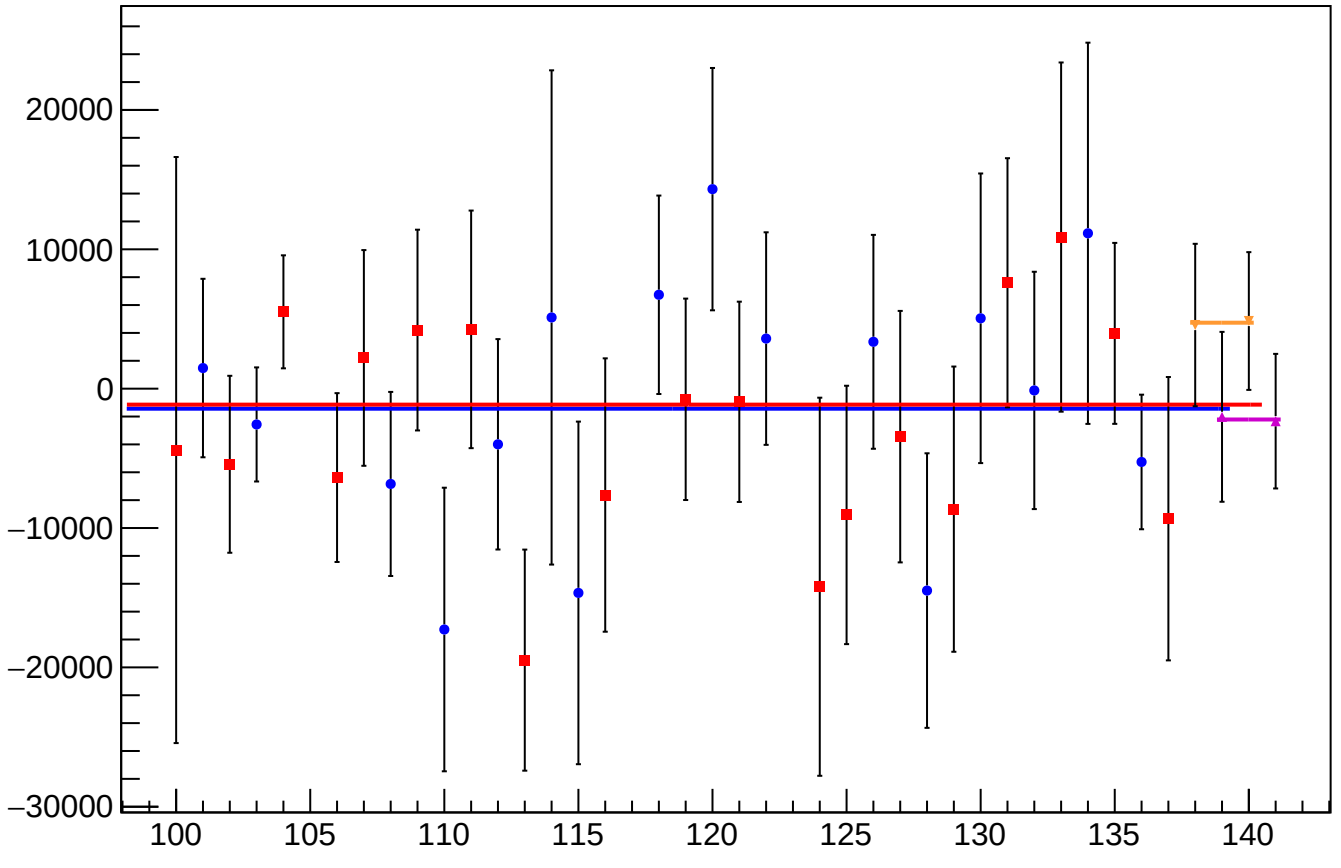
Left: 1620.195+/-0.625 χ^2/NDF: 296.5/3

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1604.003+/-0.382 χ^2/NDF:317867.7/17

Out: 1584.207+/-0.376 χ^2/NDF:245738.1/20

All: 1593.955+/-0.268 χ^2/NDF: 564970.1/38



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4733.291+/-3769.770 χ^2/NDF:0.0/1

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -2212.197+/-3785.027 χ^2/NDF:0.0/1

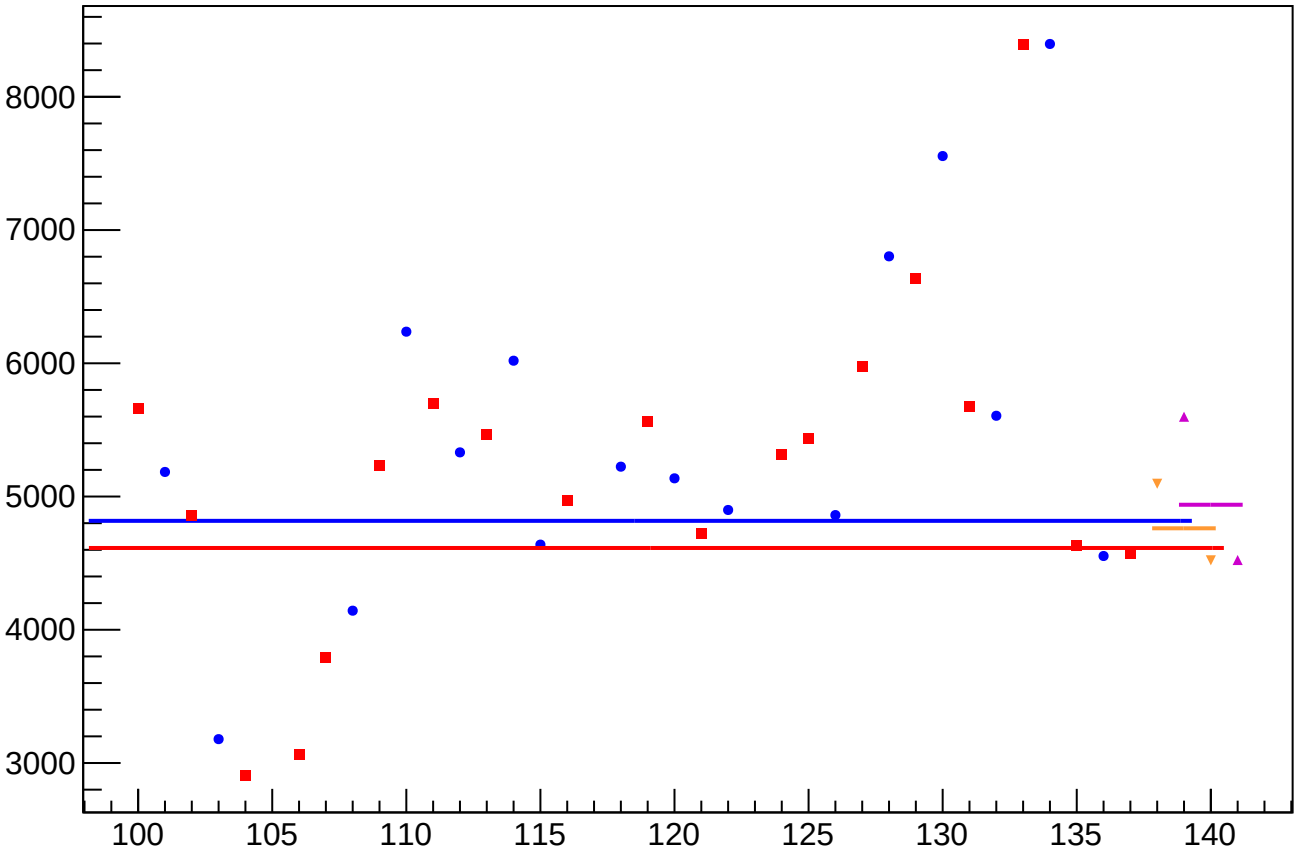
Left: 1274.574+/-2671.008 χ^2/NDF: 1.7/3

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -1586.554+/-1660.875 χ^2/NDF:13.9/17

Out: -88.690+/-1598.759 χ^2/NDF:18.2/20

All: -809.089+/-1151.827 χ^2/NDF: 32.6/38



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4761.540+/-2.666 χ^2/NDF:11317.3/1

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4938.319+/-2.676 χ^2/NDF:38249.0/1

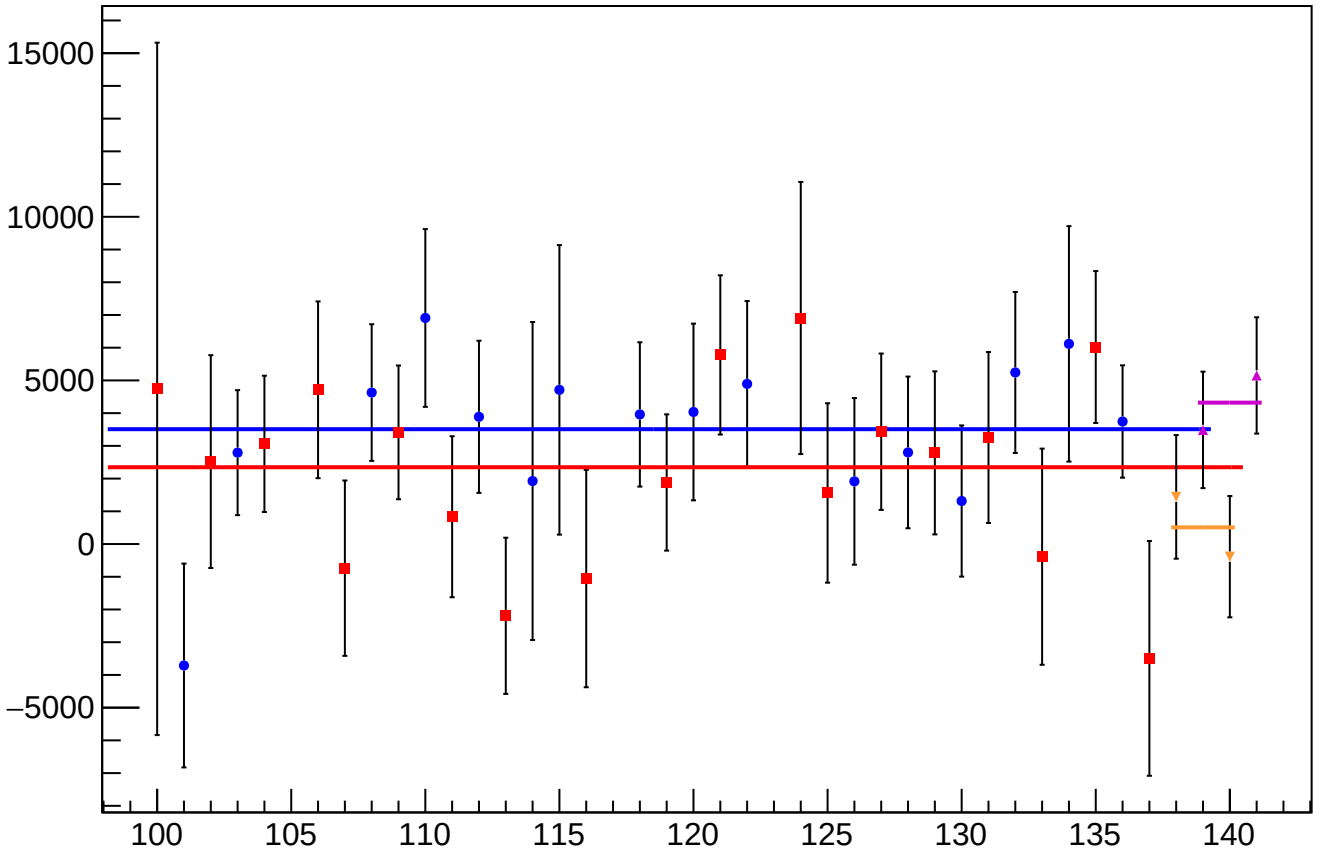
Left: 4849.572+/-1.889 χ^2/NDF: 51756.5/3

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4840.747+/-1.174 χ^2/NDF:835128.3/17

Out: 4640.414+/-1.130 χ^2/NDF:991793.1/20

All: 4736.764+/-0.814 χ^2/NDF: 1842024.6/38



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 509.632+/-1323.052 χ^2/NDF:0.5/1

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 4321.213+/-1257.450 χ^2/NDF:0.4/1

Left: 2512.259+/-911.461 χ^2/NDF: 5.3/3

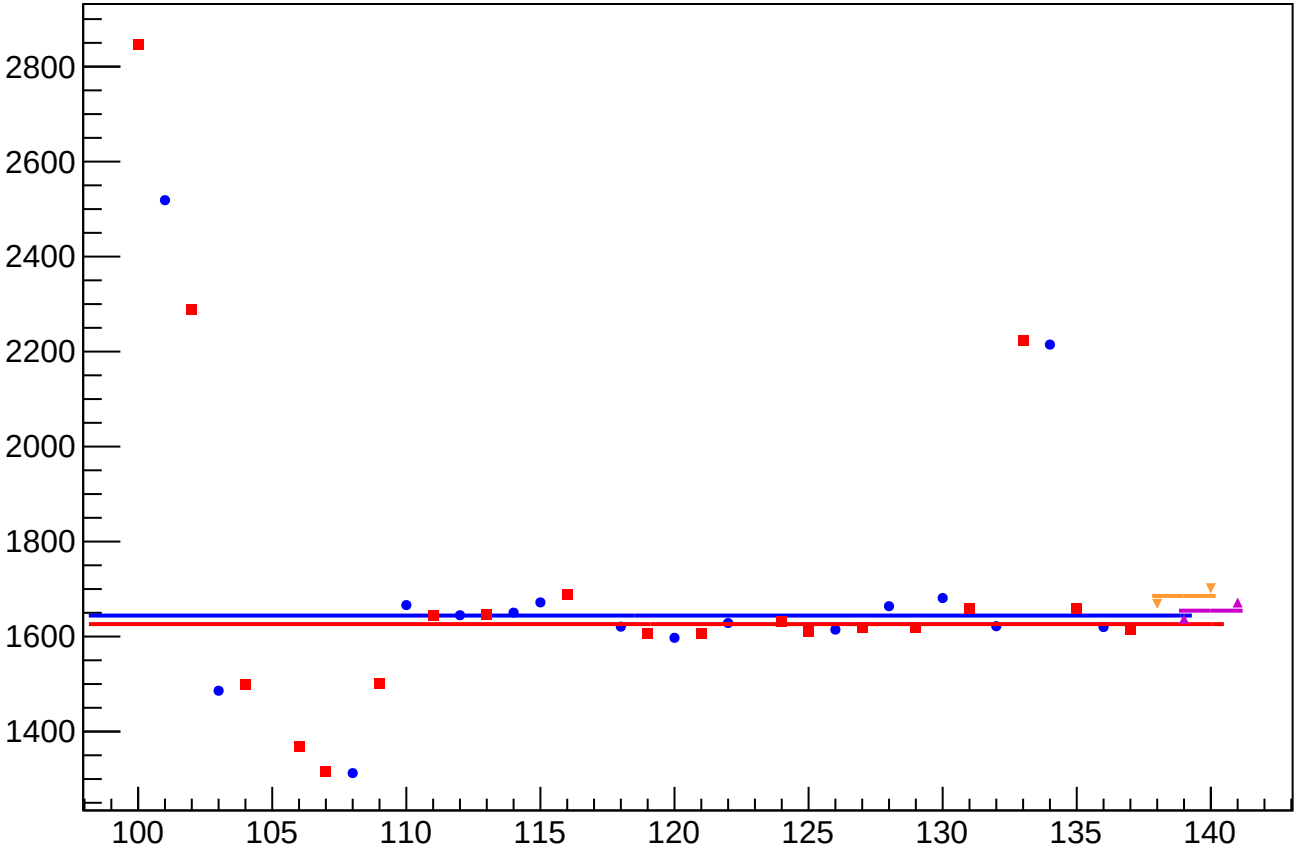
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3666.900+/-553.713 χ^2/NDF:11.2/17

Out: 2026.955+/-552.084 χ^2/NDF:19.2/20

All: 2844.513+/-390.957 χ^2/NDF: 34.7/38

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1685.490+/-0.936 χ^2/NDF:306.0/1

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1654.482+/-0.889 χ^2/NDF:374.9/1

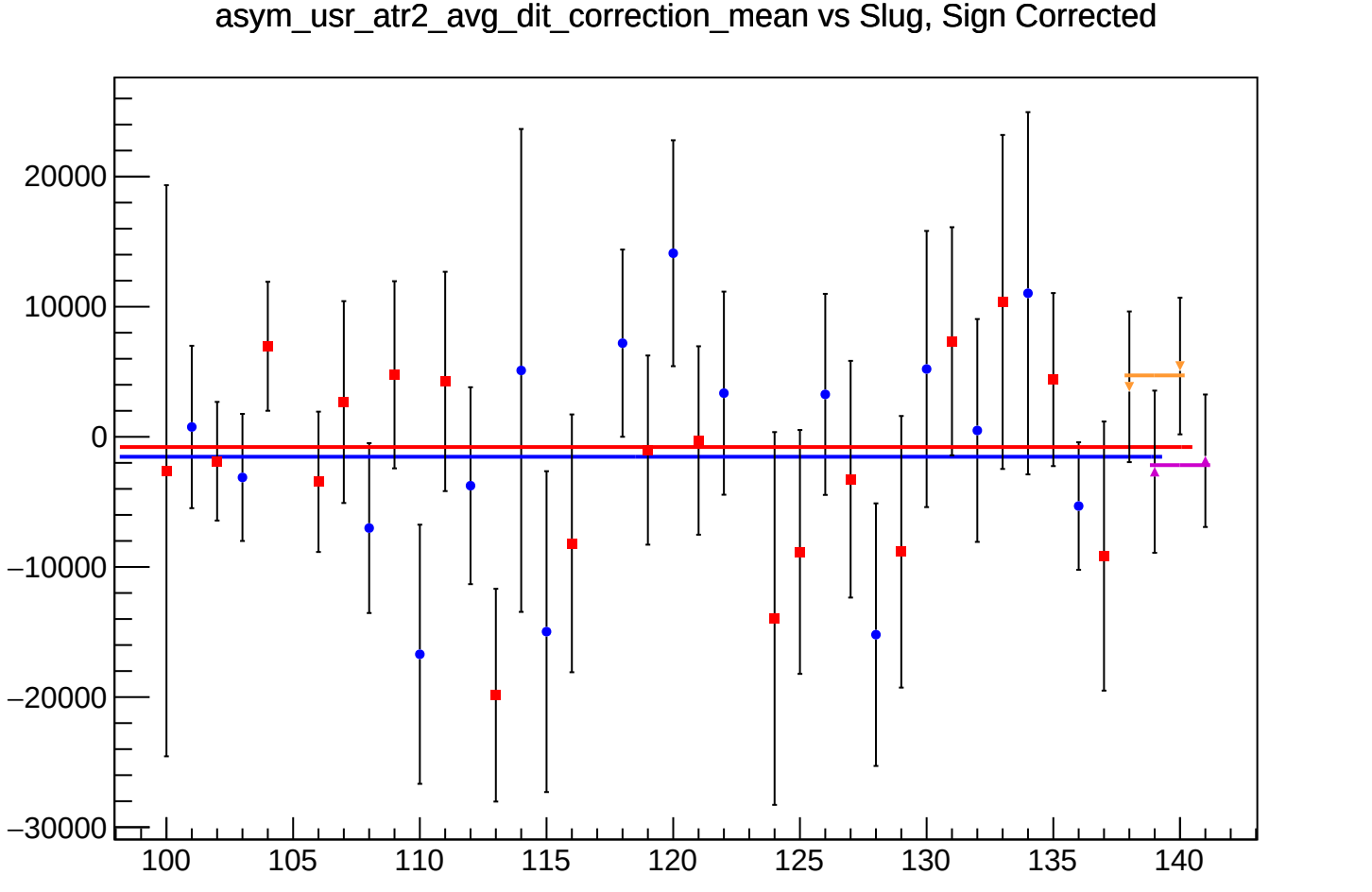
Left: 1669.198+/-0.645 χ^2/NDF: 1258.2/3

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1646.192+/-0.392 χ^2/NDF:275300.6/17

Out: 1636.488+/-0.390 χ^2/NDF:241266.1/20

All: 1641.322+/-0.276 χ^2/NDF: 516875.1/38



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 4720.648+/-3889.152 χ^2/NDF:0.0/1

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: -2174.182+/-3942.647 χ^2/NDF:0.0/1

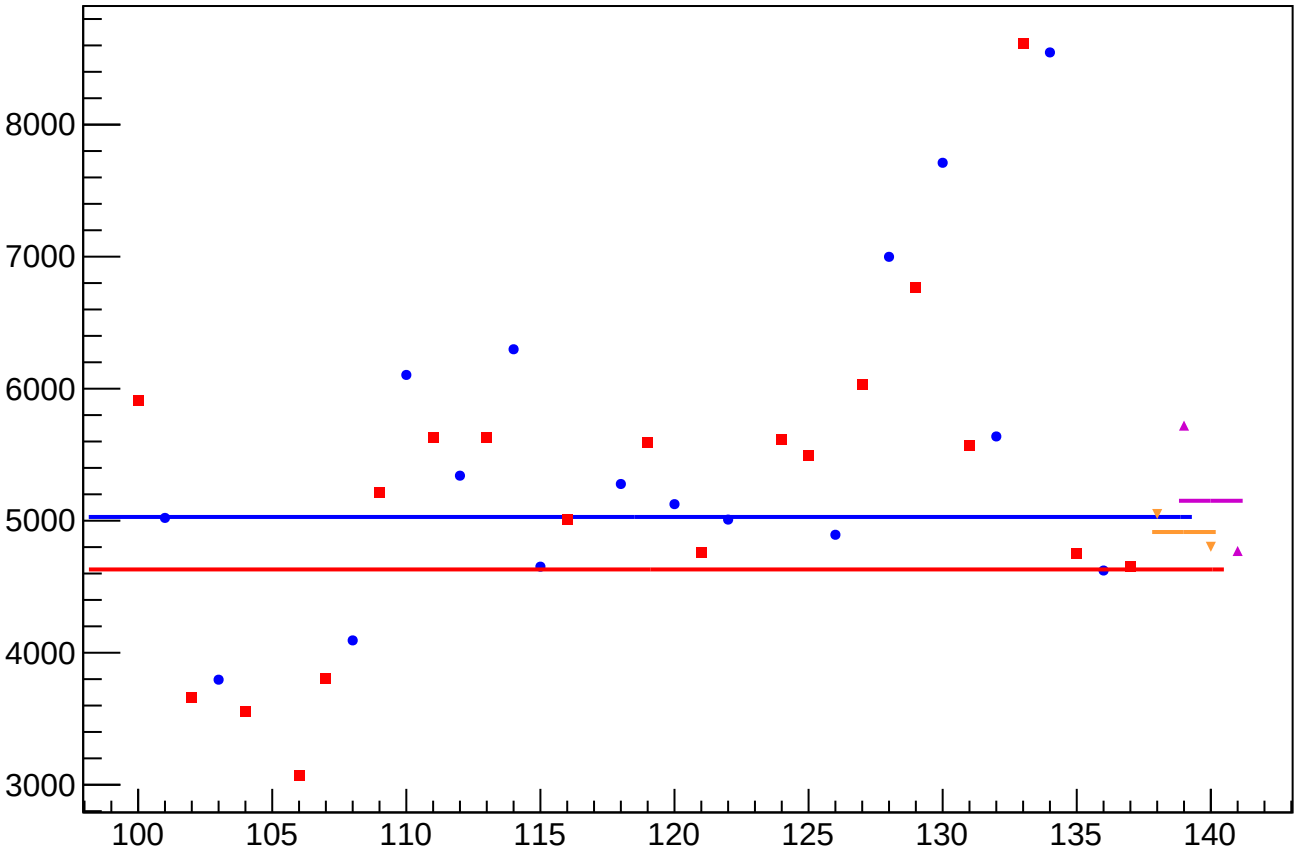
Left: 1320.327+/-2768.765 χ^2/NDF: 1.6/3

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -1654.548+/-1721.684 χ^2/NDF:13.9/17

Out: 141.415+/-1594.793 χ^2/NDF:16.8/20

All: -687.952+/-1169.979 χ^2/NDF: 31.2/38



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4914.414+/-2.750 χ^2/NDF:2018.3/1

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5151.014+/-2.788 χ^2/NDF:27852.6/1

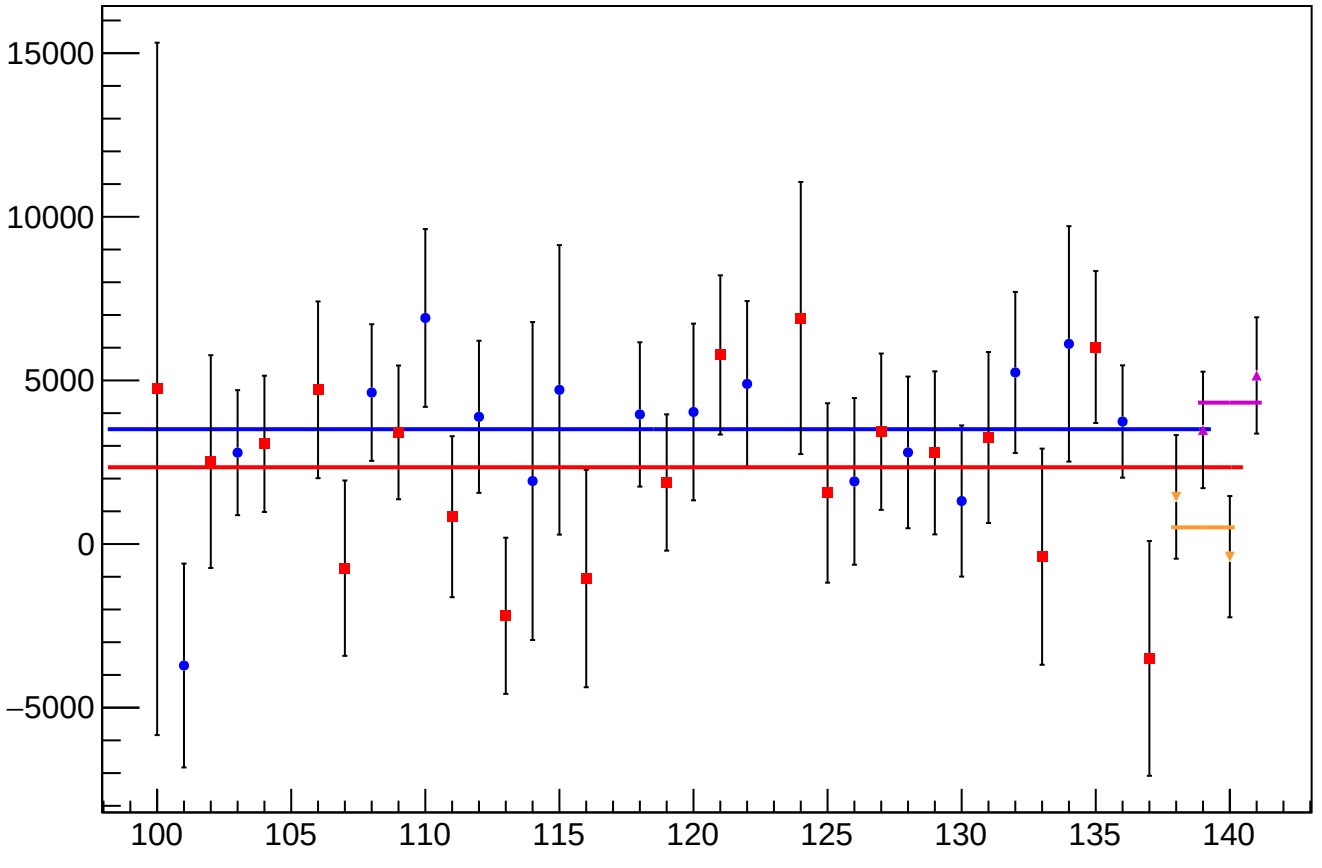
Left: 5031.098+/-1.958 χ^2/NDF: 33521.4/3

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5051.821+/-1.217 χ^2/NDF:594886.3/17

Out: 4678.574+/-1.128 χ^2/NDF:874374.5/20

All: 4850.938+/-0.827 χ^2/NDF: 1519850.7/38



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 509.627+/-1323.053 χ^2/NDF:0.5/1

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 4321.190+/-1257.451 χ^2/NDF:0.4/1

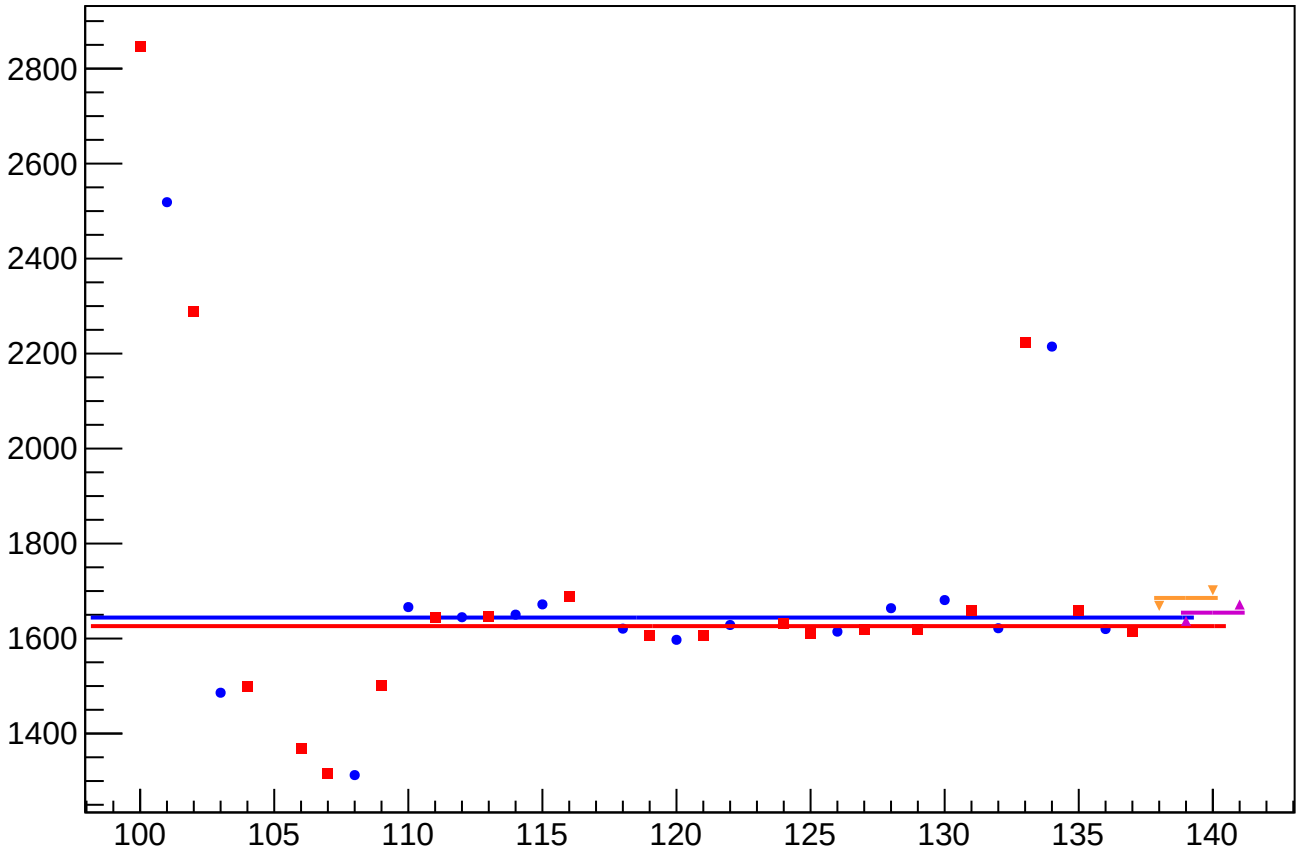
Left: 2512.244+/-911.462 χ^2/NDF: 5.3/3

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3666.897+/-553.712 χ^2/NDF:11.2/17

Out: 2026.959+/-552.084 χ^2/NDF:19.2/20

All: 2844.513+/-390.957 χ^2/NDF: 34.7/38



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1685.490+/-0.936 χ^2/NDF:306.0/1

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1654.482+/-0.889 χ^2/NDF:374.9/1

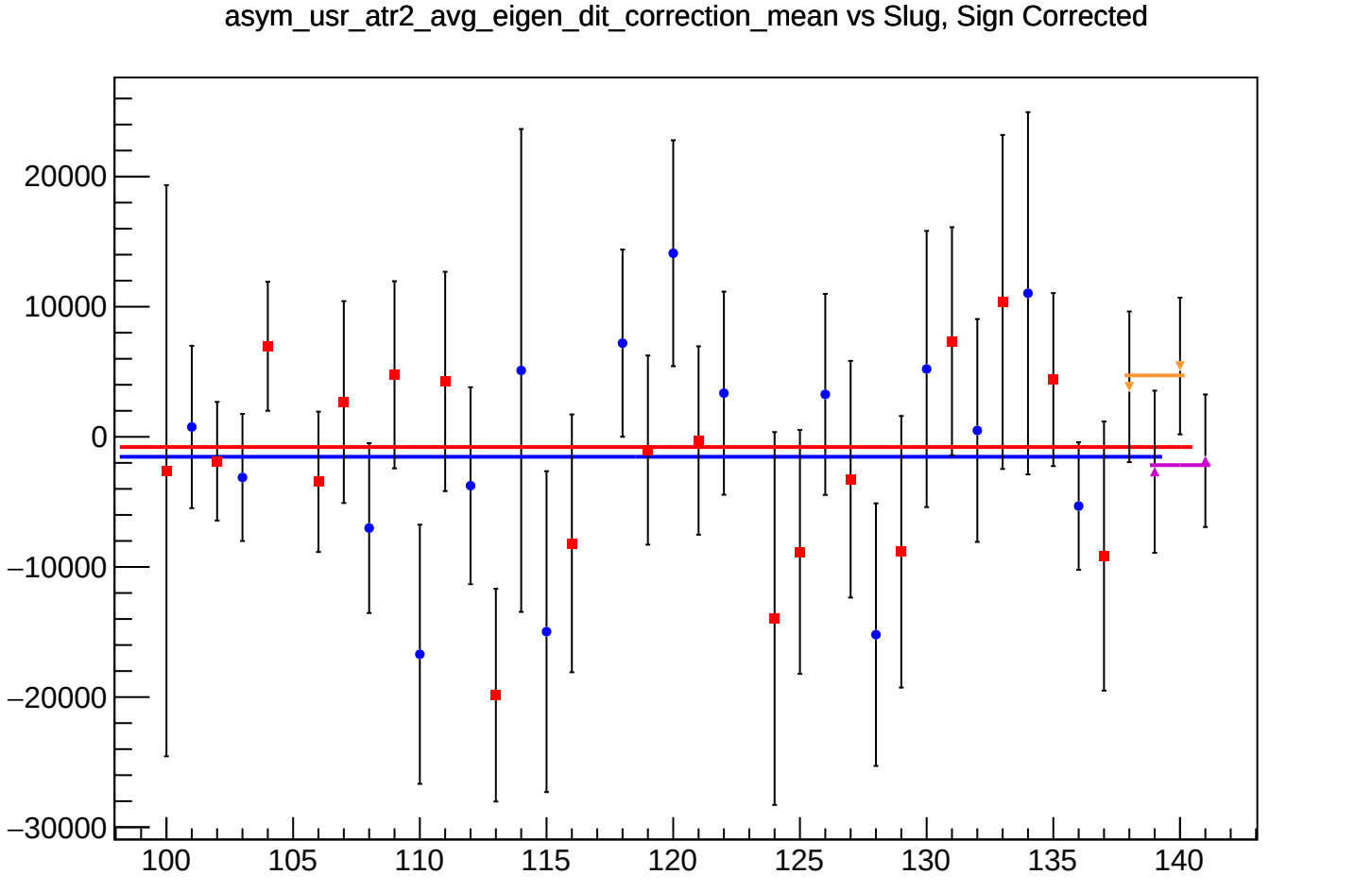
Left: 1669.198+/-0.645 χ^2/NDF: 1258.1/3

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1646.192+/-0.392 χ^2/NDF:275300.8/17

Out: 1636.487+/-0.390 χ^2/NDF:241265.8/20

All: 1641.322+/-0.276 χ^2/NDF: 516874.9/38



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 4720.646+/-3889.156 χ^2/NDF:0.0/1

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -2174.203+/-3942.652 χ^2/NDF:0.0/1

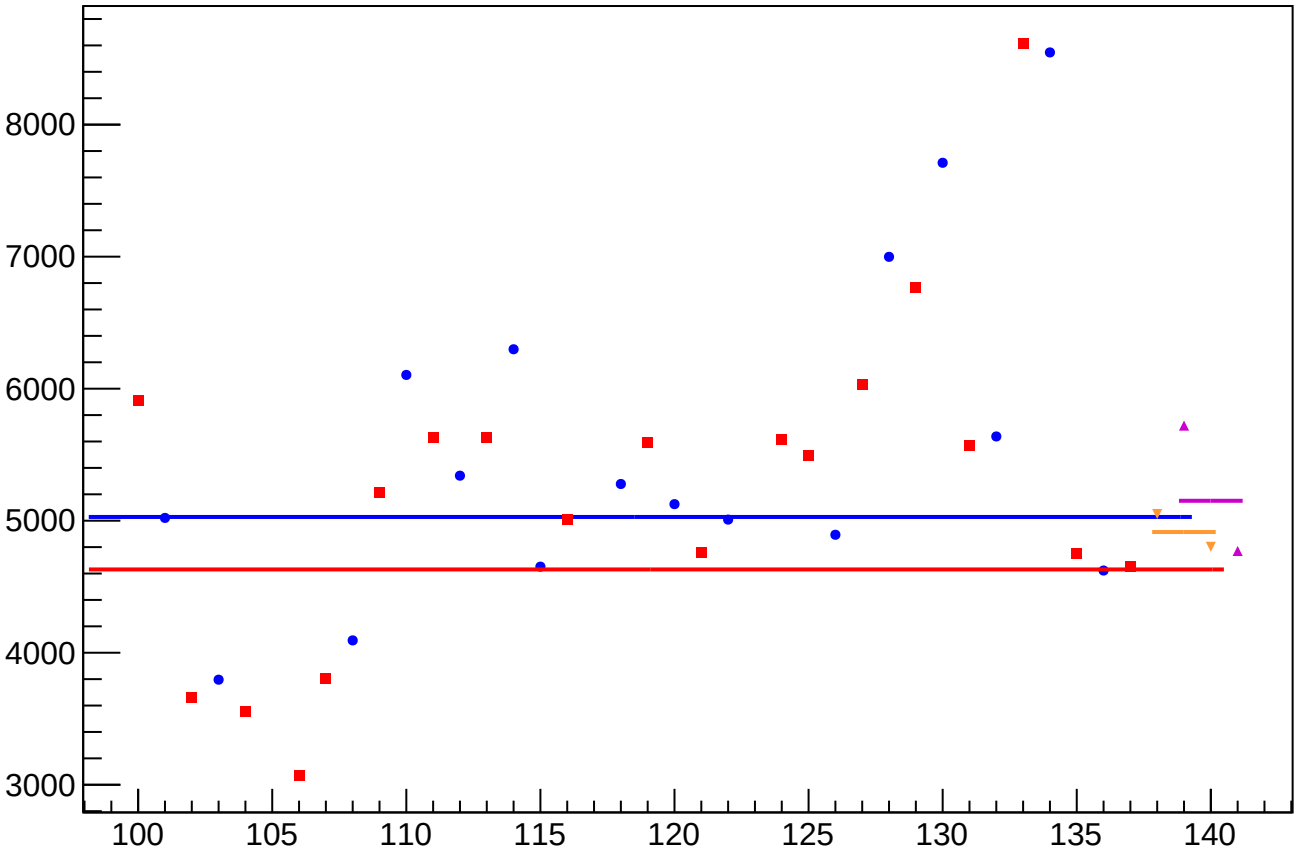
Left: 1320.315+/-2768.768 χ^2/NDF: 1.6/3

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -1654.539+/-1721.682 χ^2/NDF:13.9/17

Out: 141.410+/-1594.791 χ^2/NDF:16.8/20

All: -687.951+/-1169.978 χ^2/NDF: 31.2/38



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4914.419+/-2.750 χ^2/NDF:2018.5/1

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5151.019+/-2.788 χ^2/NDF:27853.4/1

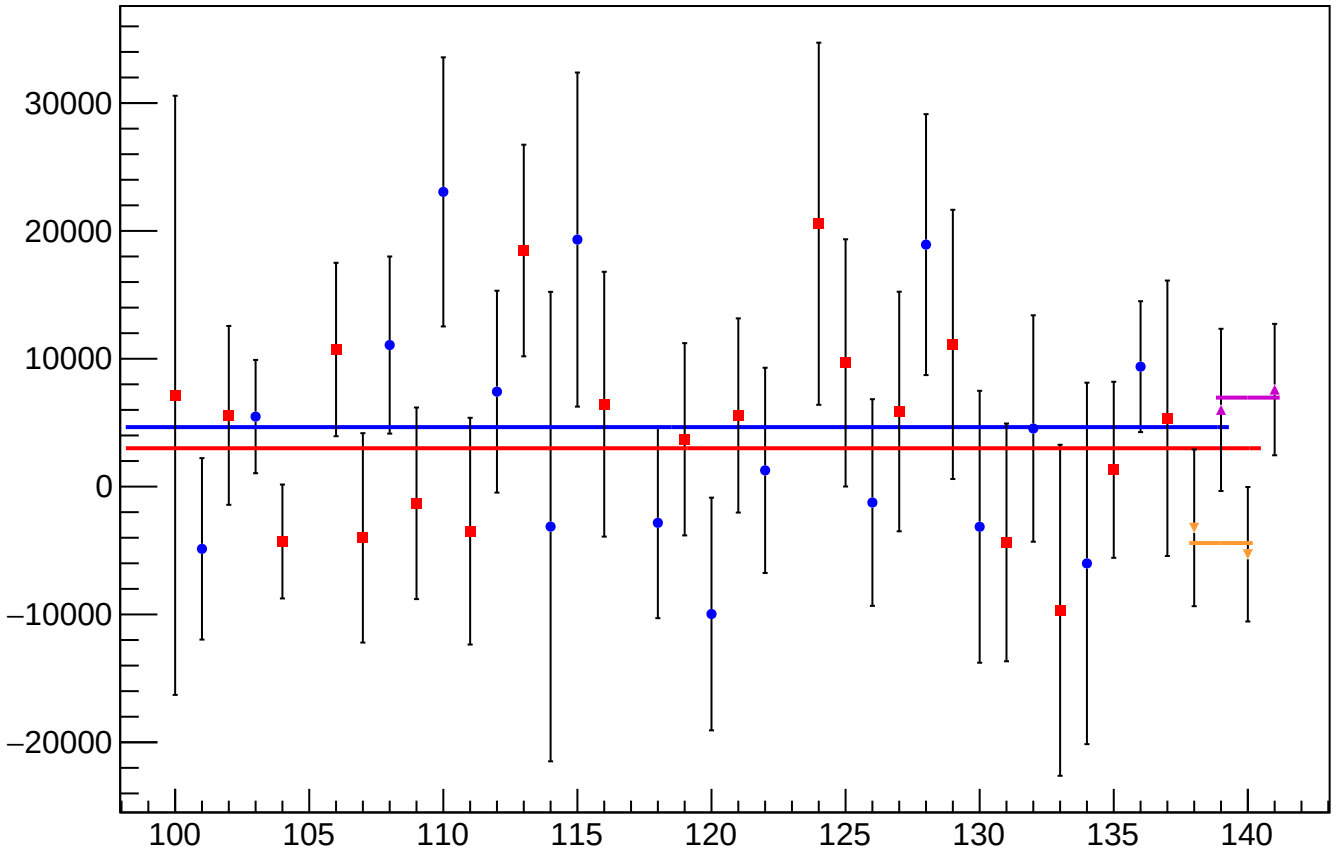
Left: 5031.103+/-1.958 χ^2/NDF: 33522.3/3

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5051.817+/-1.217 χ^2/NDF:594881.0/17

Out: 4678.569+/-1.128 χ^2/NDF:874369.4/20

All: 4850.933+/-0.827 χ^2/NDF: 1519840.6/38



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -4414.012+/-3992.368 χ^2/NDF:0.1/1

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 6960.212+/-3992.757 χ^2/NDF:0.0/1

Left: 1272.546+/-2823.168 χ^2/NDF: 4.2/3

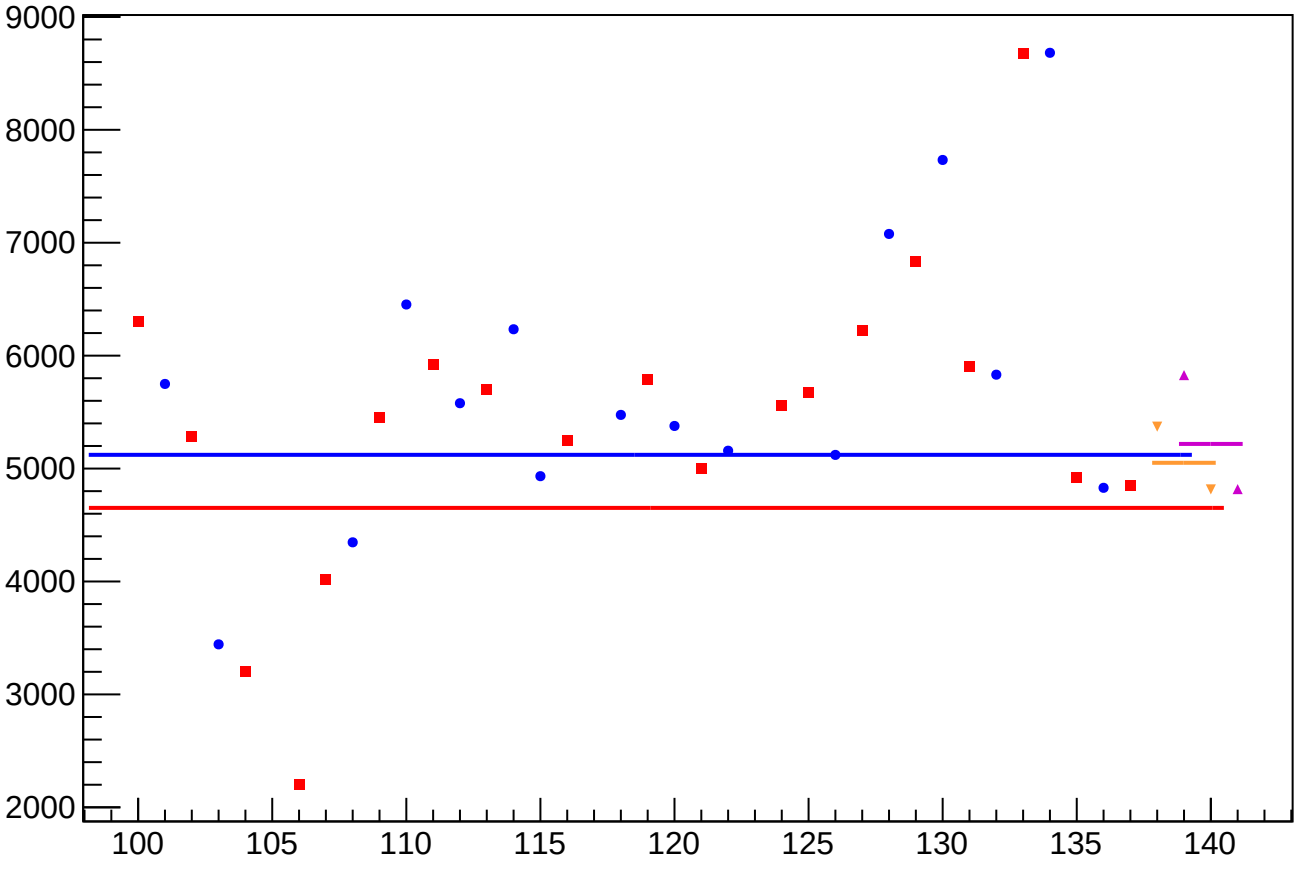
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 5100.570+/-1758.354 χ^2/NDF:15.8/17

Out: 1651.861+/-1702.944 χ^2/NDF:16.8/20

All: 3321.021+/-1223.283 χ^2/NDF: 34.6/38

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5051.078+/-2.823 χ^2/NDF:9464.8/1

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5218.189+/-2.823 χ^2/NDF:30588.9/1

Left: 5134.625+/-1.996 χ^2/NDF: 41805.5/3

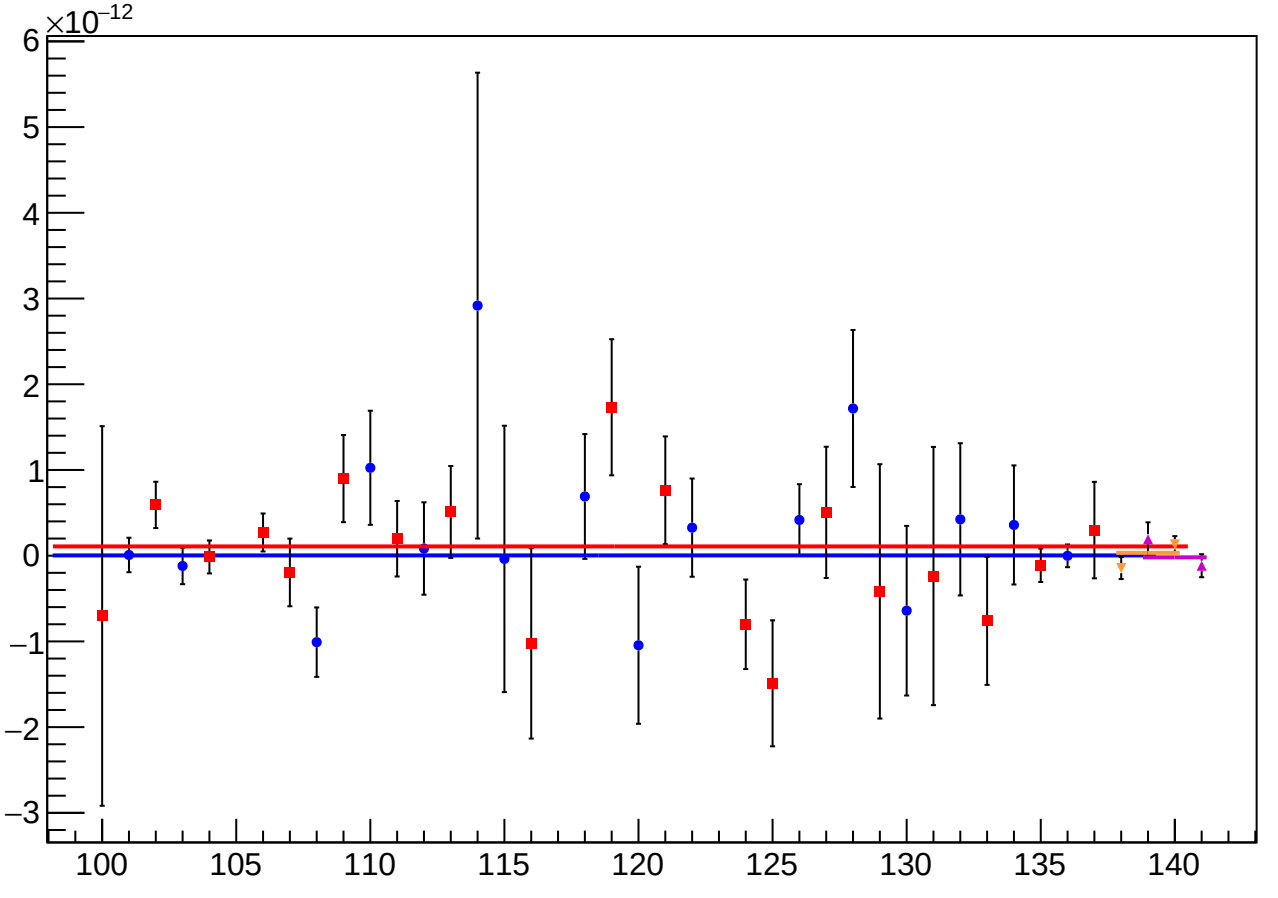
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5140.367+/-1.243 χ^2/NDF:751901.5/17

Out: 4719.858+/-1.166 χ^2/NDF:1370930.1/20

All: 4916.633+/-0.851 χ^2/NDF: 2183690.7/38

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/1

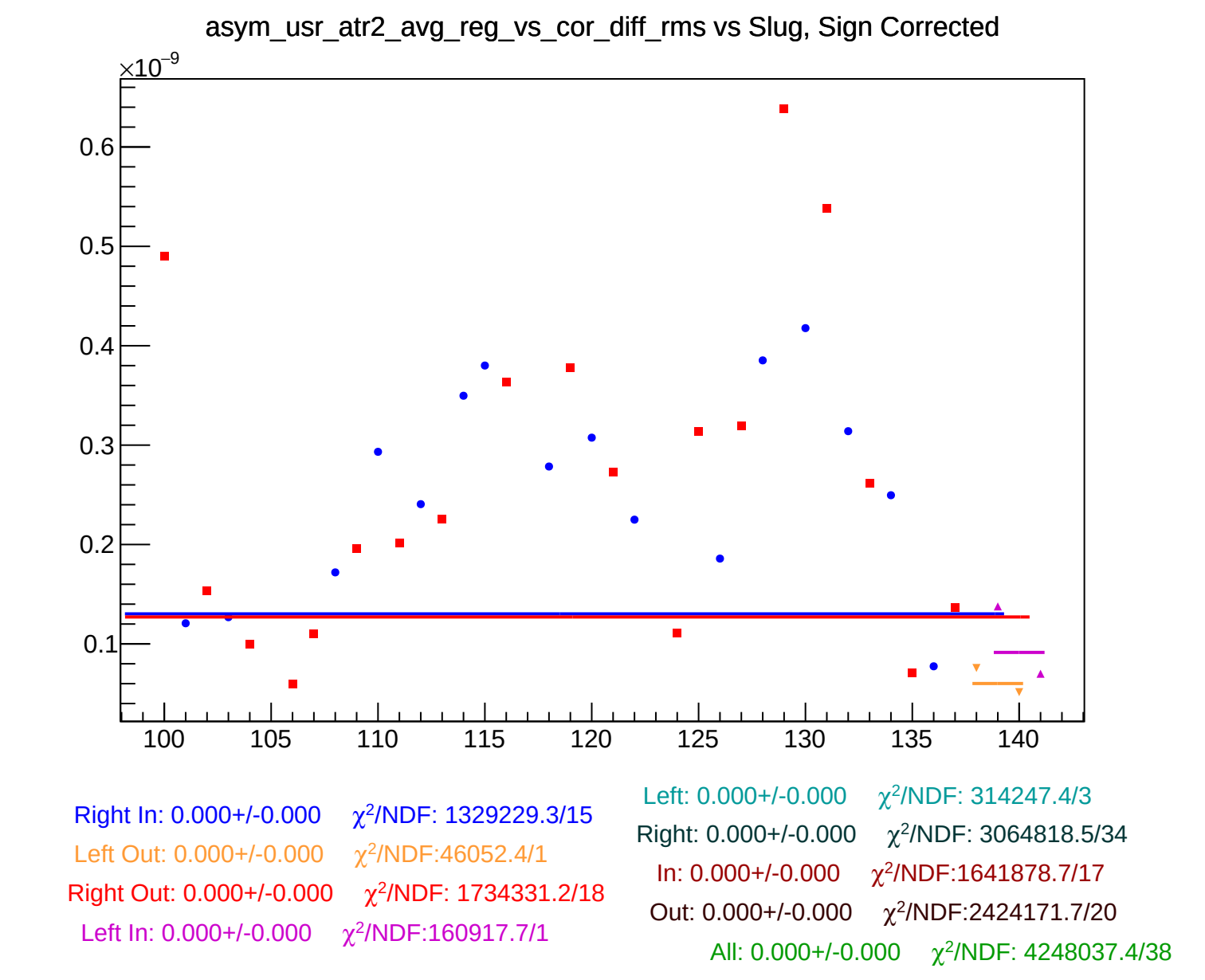
Left: 0.000+/-0.000 χ^2/NDF: 4.8/3

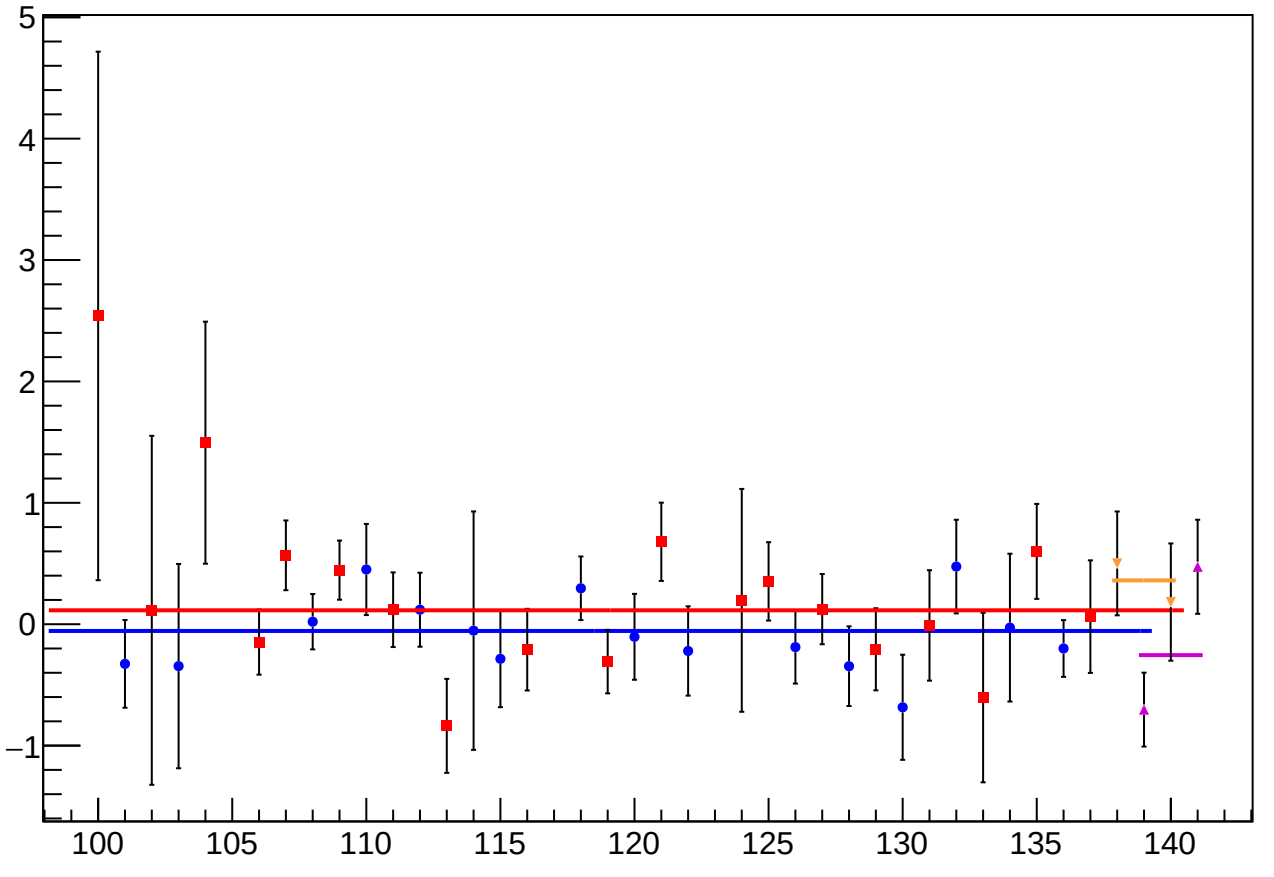
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

In: -0.000+/-0.000 χ^2/NDF:19.7/17

Out: 0.000+/-0.000 χ^2/NDF:28.5/20

All: 0.000+/-0.000 χ^2/NDF: 48.9/38


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:46052.4/1
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:160917.7/1
Left: 0.000+/-0.000 χ²/NDF: 314247.4/3
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:1641878.7/17
Out: 0.000+/-0.000 χ²/NDF:2424171.7/20
All: 0.000+/-0.000 χ²/NDF: 4248037.4/38



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.361+/-0.320 χ^2/NDF:0.2/1

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.255+/-0.239 χ^2/NDF:5.7/1

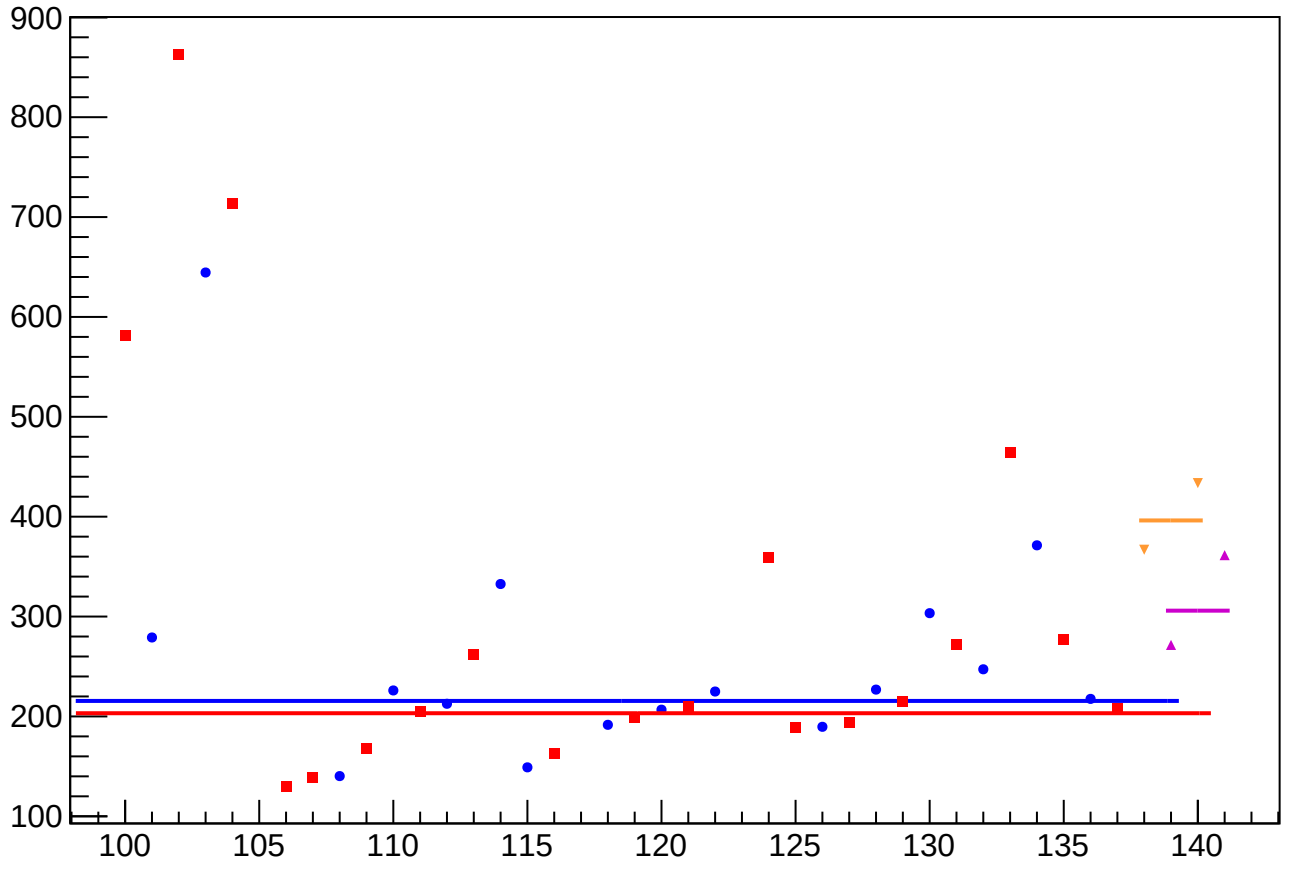
Left: -0.034+/-0.192 χ^2/NDF: 8.3/3

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.080 χ^2/NDF:17.0/17

Out: 0.130+/-0.081 χ^2/NDF:26.0/20

All: 0.026+/-0.057 χ^2/NDF: 46.3/38



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 396.237+/-0.226 χ^2/NDF:21398.2/1

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 305.902+/-0.169 χ^2/NDF:66549.7/1

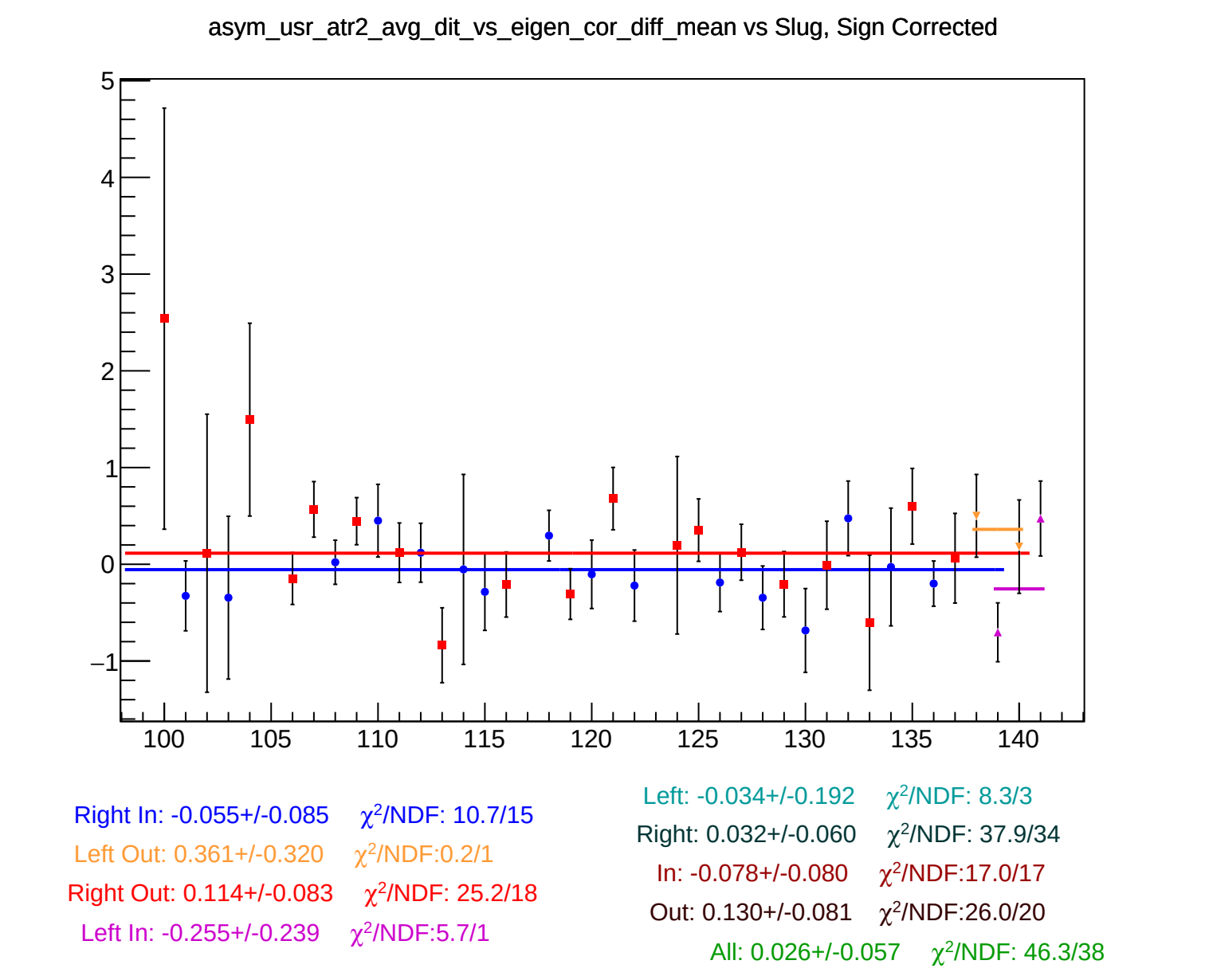
Left: 338.285+/-0.136 χ^2/NDF: 190093.3/3

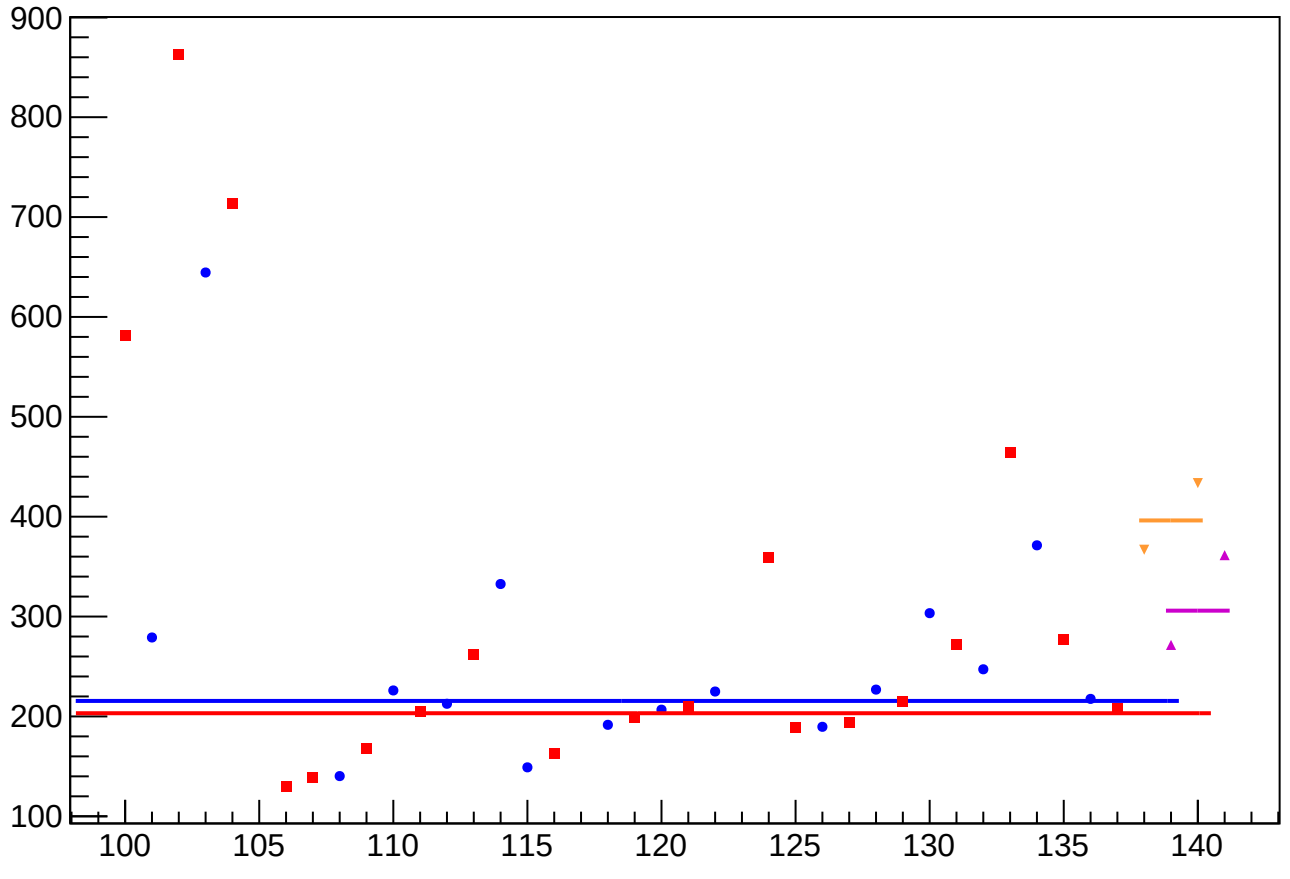
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 225.743+/-0.057 χ^2/NDF:1468264.0/17

Out: 215.423+/-0.057 χ^2/NDF:2537969.9/20

All: 220.586+/-0.040 χ^2/NDF: 4022662.1/38


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.361+/-0.320 χ²/NDF:0.2/1
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.255+/-0.239 χ²/NDF:5.7/1
Left: -0.034+/-0.192 χ²/NDF: 8.3/3
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.078+/-0.080 χ²/NDF:17.0/17
Out: 0.130+/-0.081 χ²/NDF:26.0/20
All: 0.026+/-0.057 χ²/NDF: 46.3/38



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 396.237+/-0.226 χ^2/NDF:21398.2/1

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 305.902+/-0.169 χ^2/NDF:66549.7/1

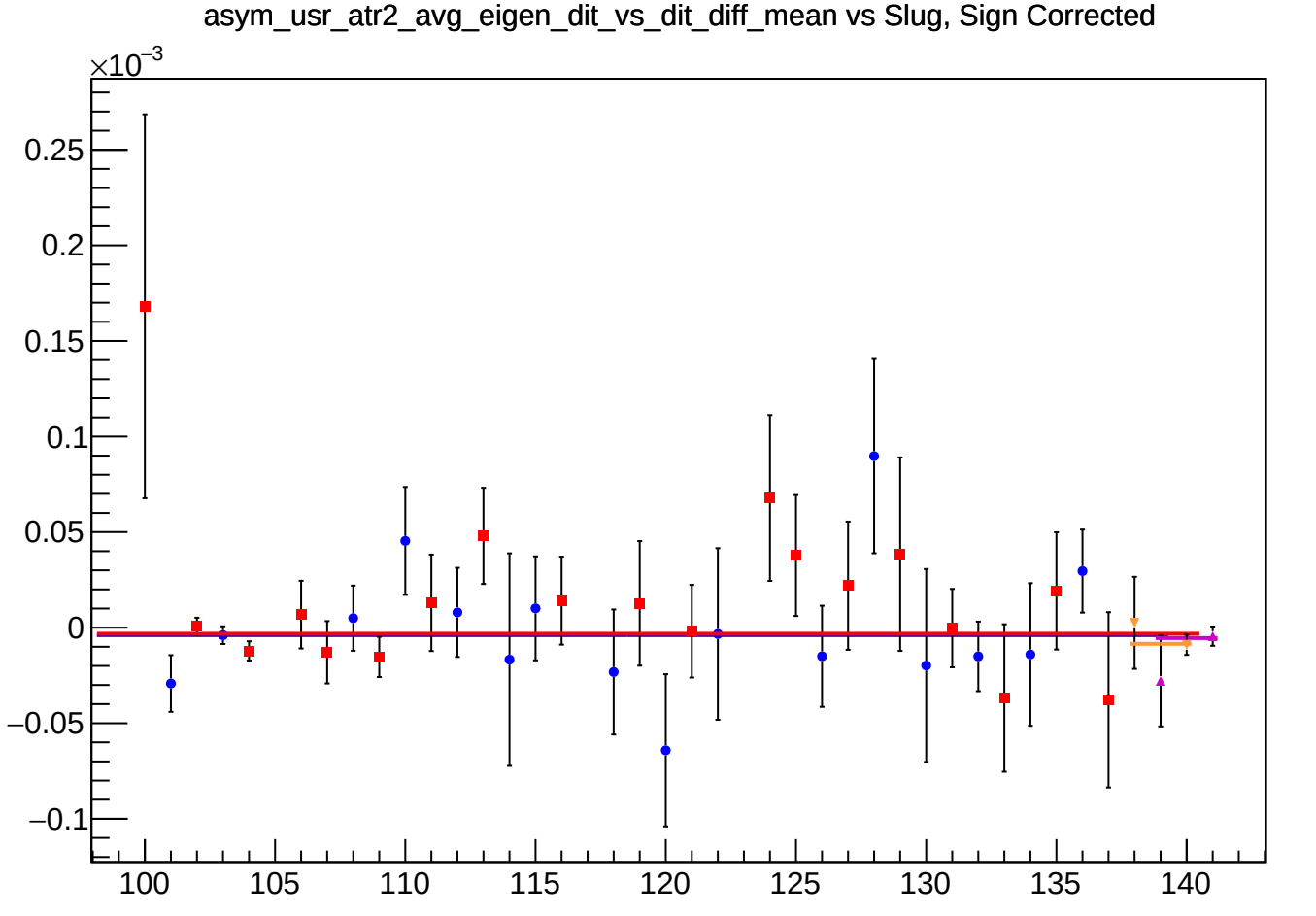
Left: 338.285+/-0.136 χ^2/NDF: 190093.3/3

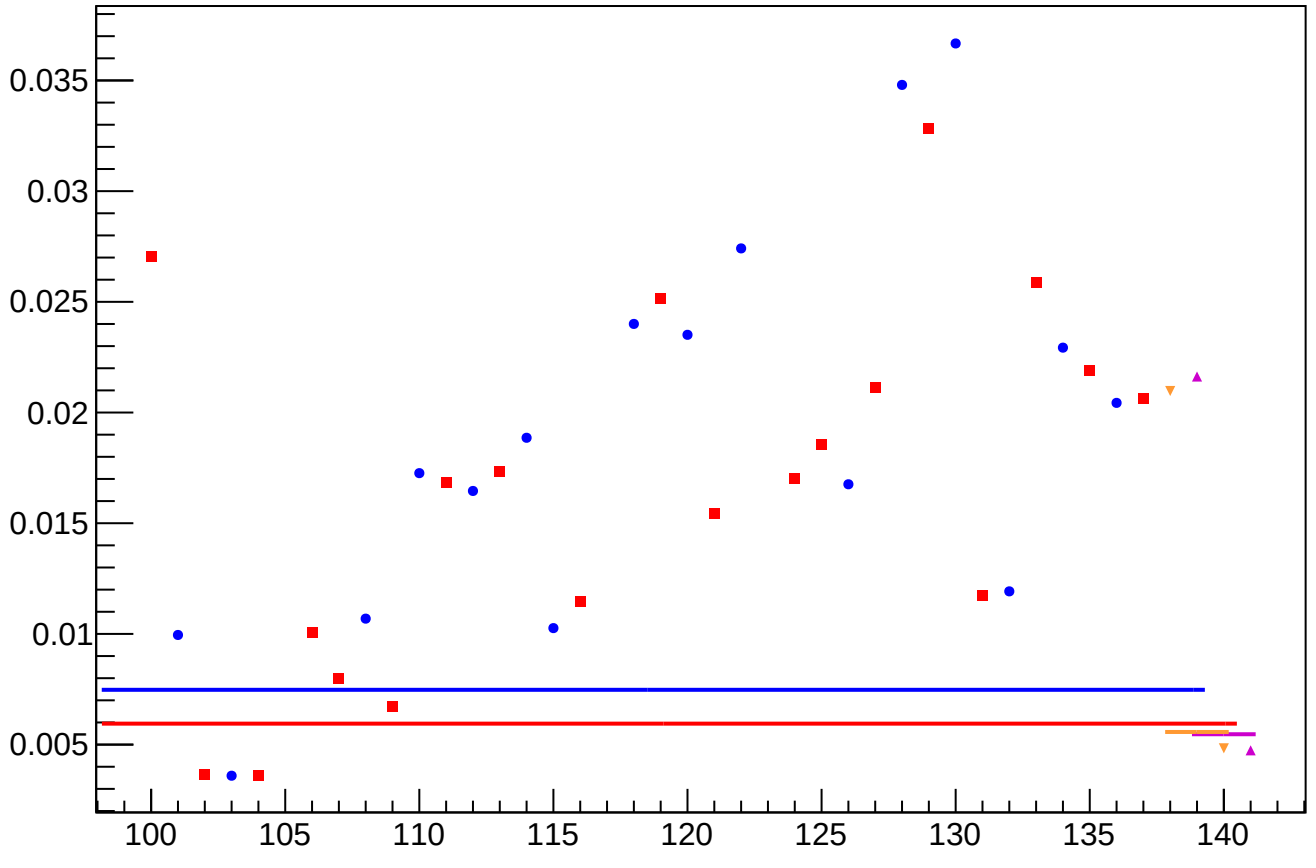
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 225.743+/-0.057 χ^2/NDF:1468264.0/17

Out: 215.423+/-0.057 χ^2/NDF:2537969.9/20

All: 220.586+/-0.040 χ^2/NDF: 4022662.1/38


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:0.2/1
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:0.9/1
Left: -0.000+/-0.000 χ²/NDF: 1.3/3
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:16.9/17
Out: -0.000+/-0.000 χ²/NDF:22.7/20
All: -0.000+/-0.000 χ²/NDF: 39.6/38



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.006+/-0.000 χ^2/NDF:857706.4/1

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.005+/-0.000 χ^2/NDF:963410.2/1

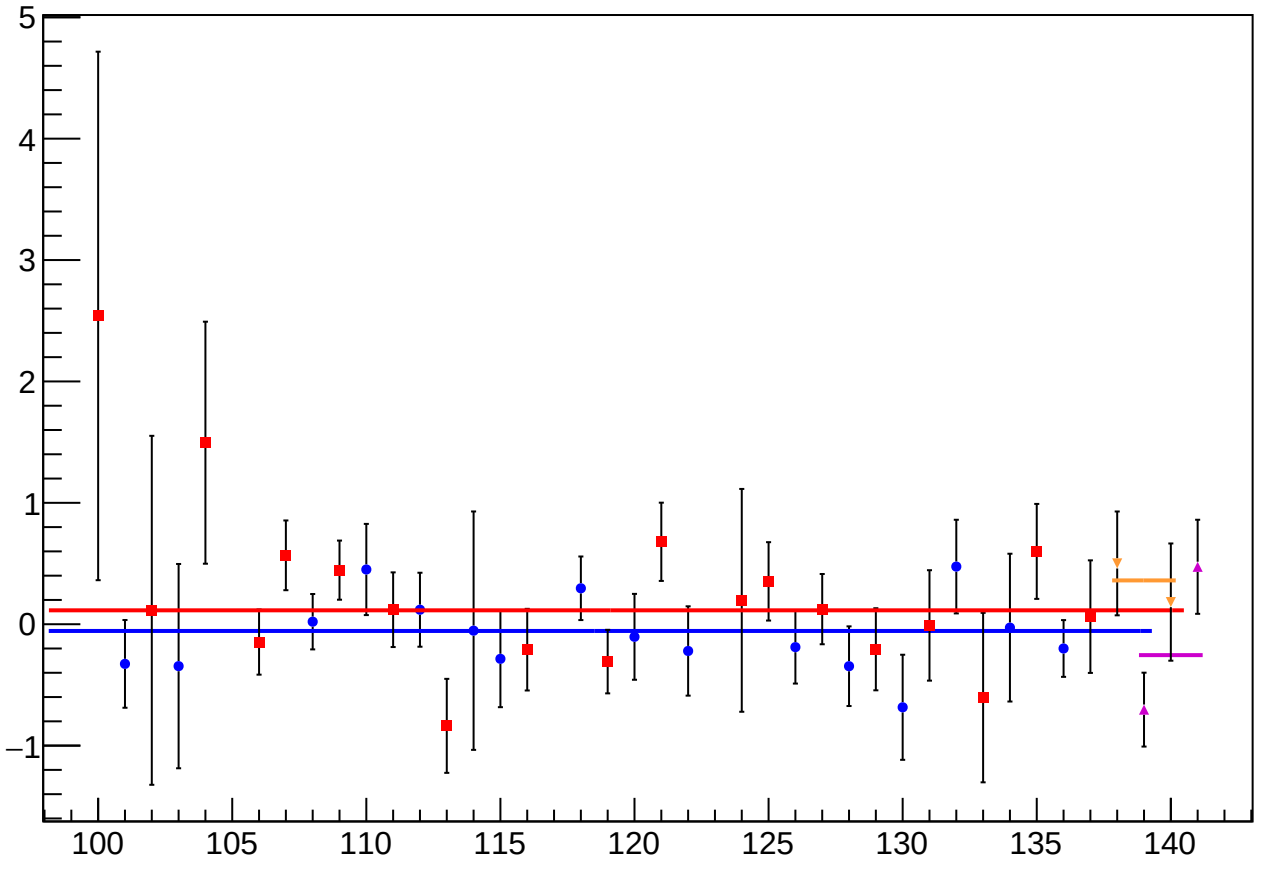
Left: 0.006+/-0.000 χ^2/NDF: 1821528.9/3

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:7247566.5/17

Out: 0.006+/-0.000 χ^2/NDF:6799833.8/20

All: 0.006+/-0.000 χ^2/NDF: 14146719.2/38



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.361+/-0.320 χ^2/NDF:0.2/1

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.255+/-0.239 χ^2/NDF:5.7/1

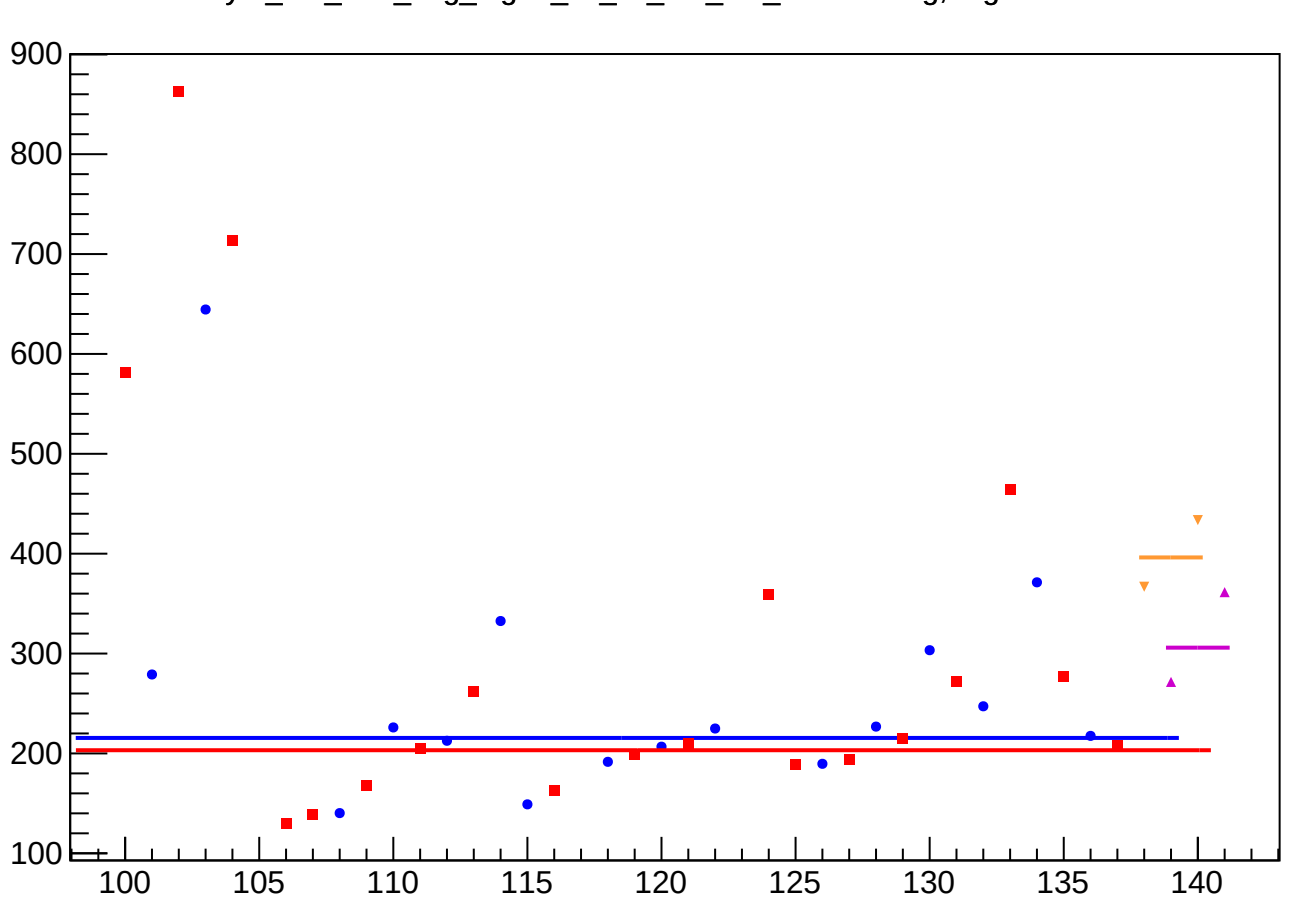
Left: -0.034+/-0.192 χ^2/NDF: 8.3/3

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.080 χ^2/NDF:17.0/17

Out: 0.130+/-0.081 χ^2/NDF:26.0/20

All: 0.026+/-0.057 χ^2/NDF: 46.3/38



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 396.240+/-0.226 χ^2/NDF:21394.3/1

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 305.906+/-0.169 χ^2/NDF:66540.8/1

Left: 338.289+/-0.136 χ^2/NDF: 190078.0/3

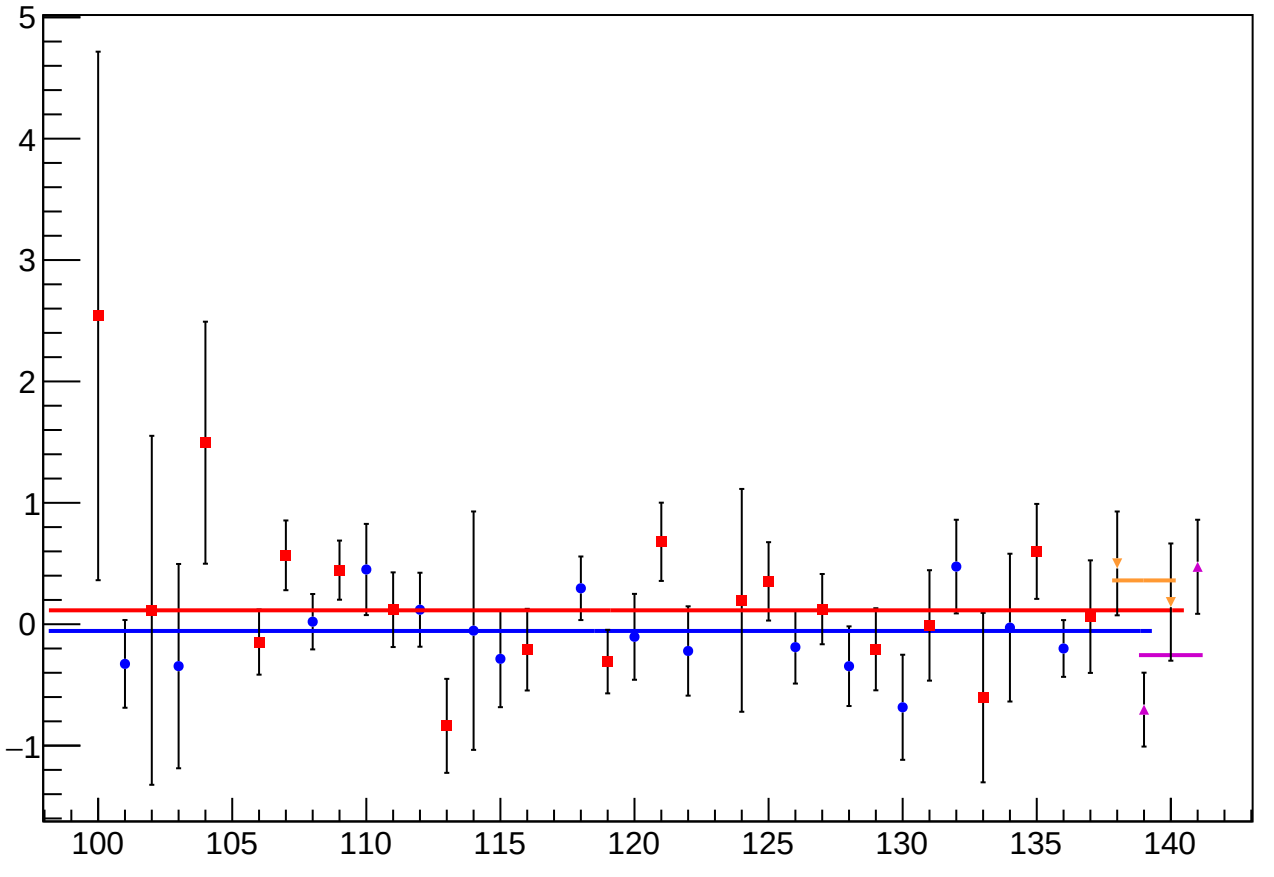
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 225.742+/-0.057 χ^2/NDF:1468251.9/17

Out: 215.421+/-0.057 χ^2/NDF:2537974.7/20

All: 220.585+/-0.040 χ^2/NDF: 4022656.7/38

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.361+/-0.320 χ^2/NDF:0.2/1

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.255+/-0.239 χ^2/NDF:5.7/1

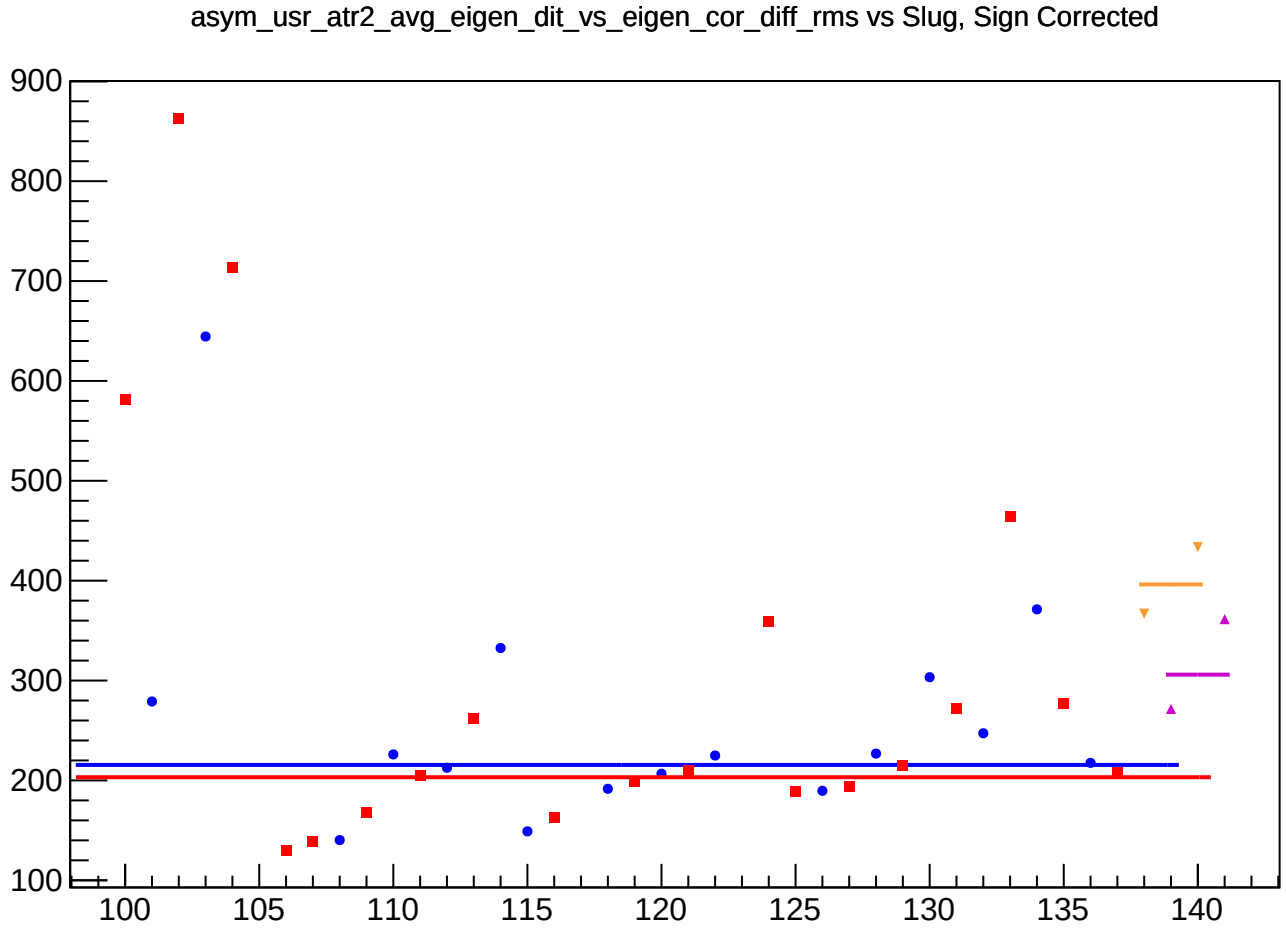
Left: -0.034+/-0.192 χ^2/NDF: 8.3/3

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.080 χ^2/NDF:17.0/17

Out: 0.130+/-0.081 χ^2/NDF:26.0/20

All: 0.026+/-0.057 χ^2/NDF: 46.3/38



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 396.240+/-0.226 χ^2/NDF:21394.3/1

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 305.906+/-0.169 χ^2/NDF:66540.8/1

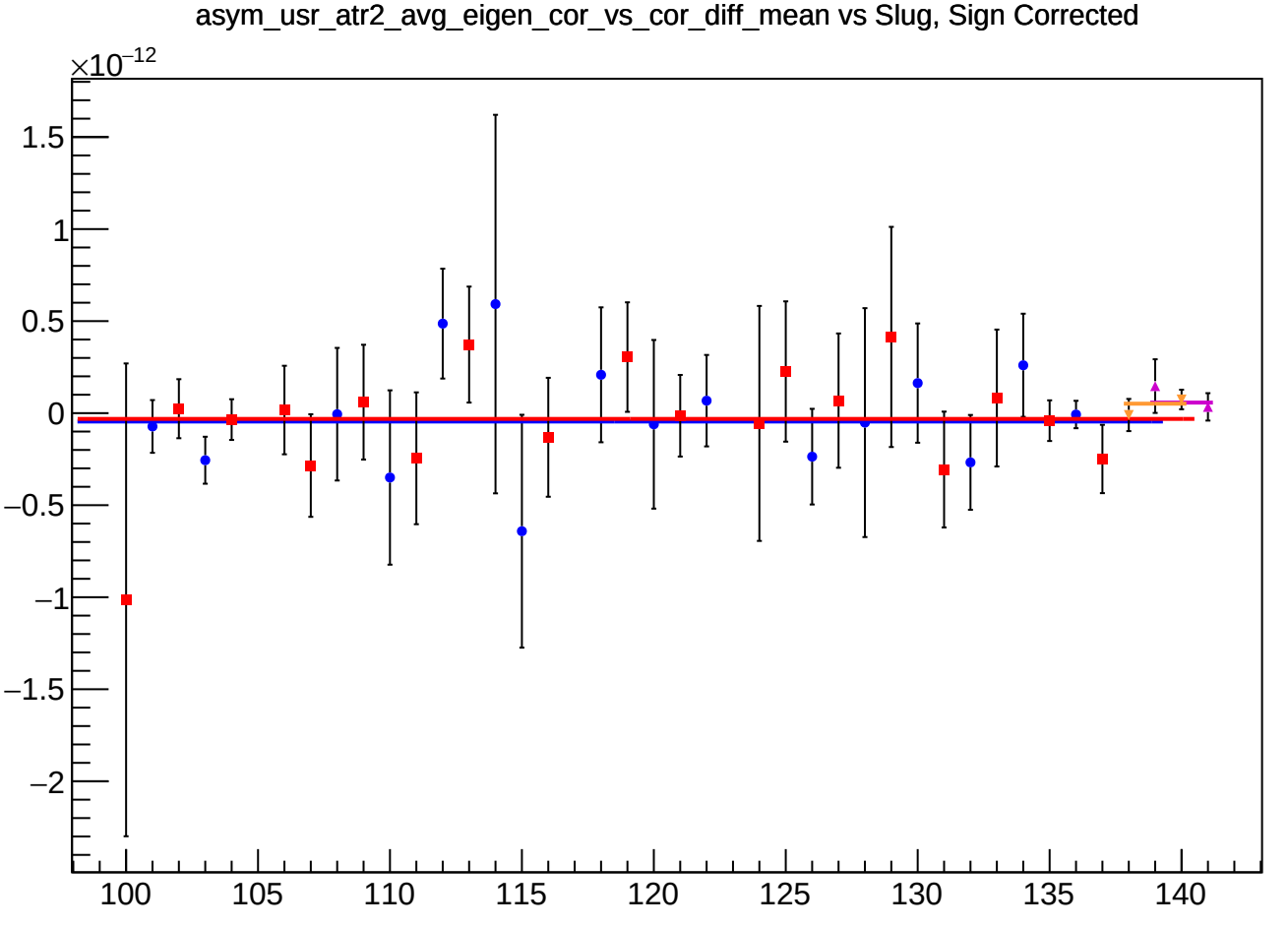
Left: 338.289+/-0.136 χ^2/NDF: 190078.0/3

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 225.742+/-0.057 χ^2/NDF:1468251.9/17

Out: 215.421+/-0.057 χ^2/NDF:2537974.7/20

All: 220.585+/-0.040 χ^2/NDF: 4022656.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

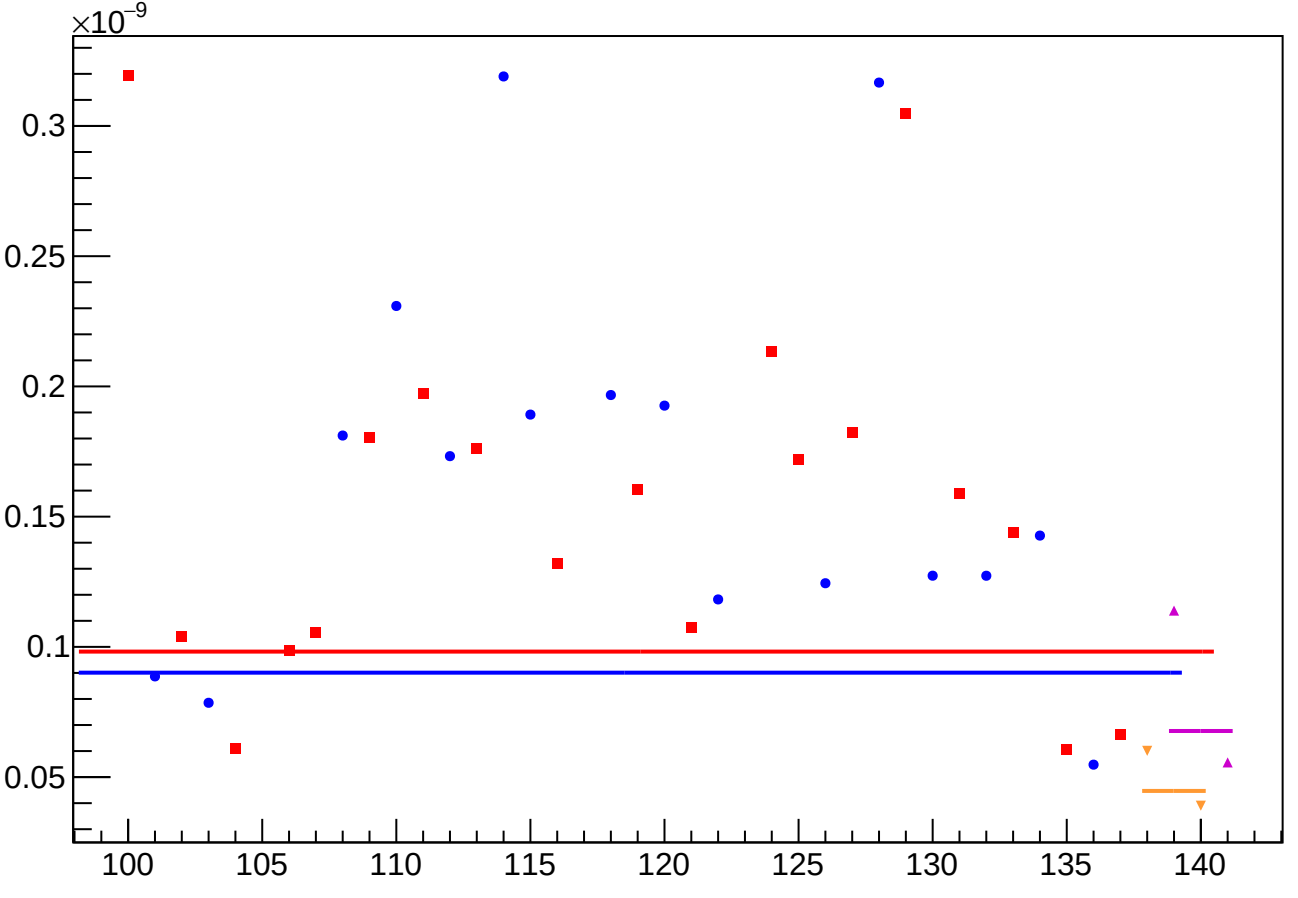
Left: 0.000+/-0.000 χ^2/NDF: 1.2/3

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:13.5/17

Out: 0.000+/-0.000 χ^2/NDF:10.5/20

All: 0.000+/-0.000 χ^2/NDF: 24.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:84850.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:253890.2/1

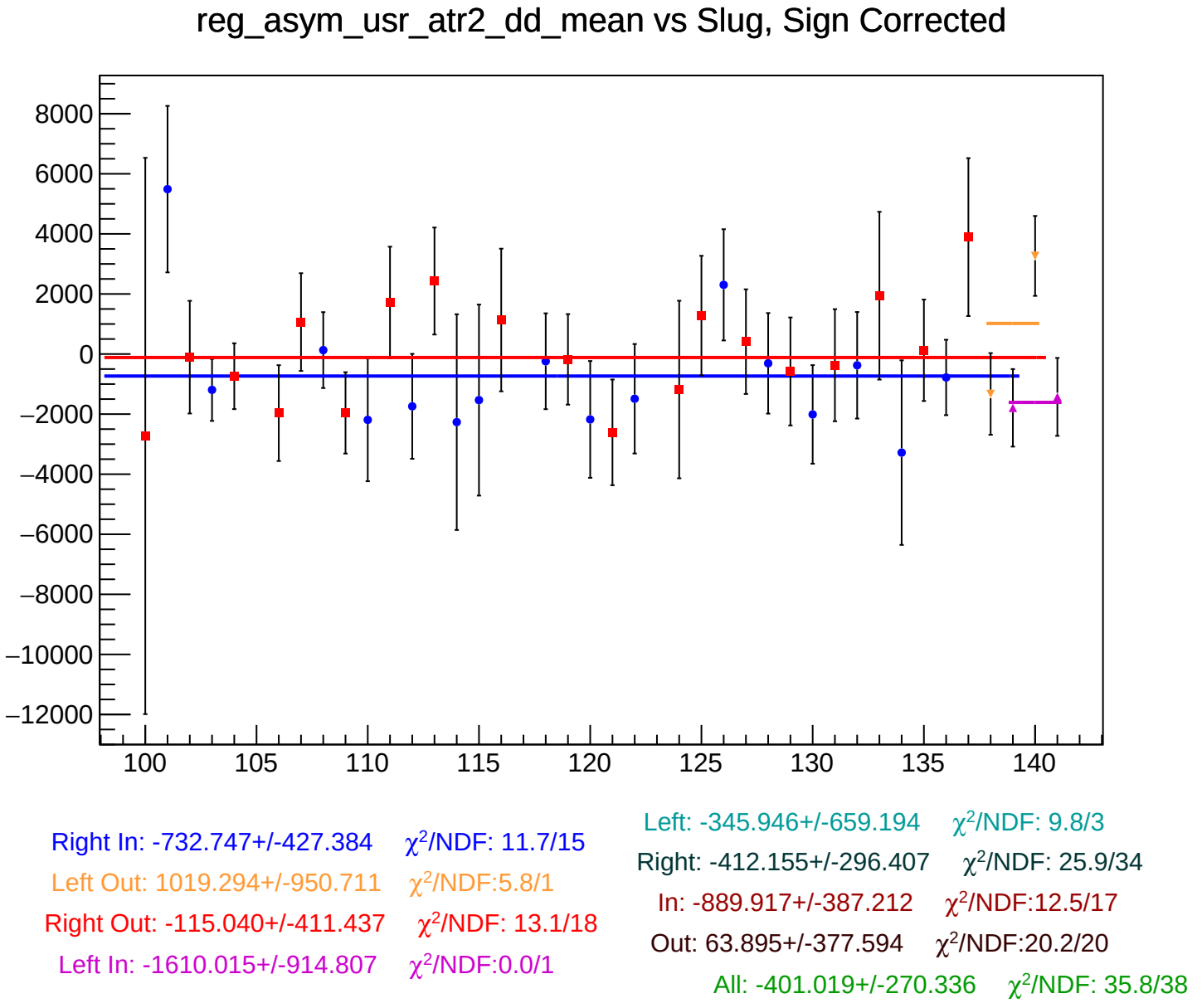
Left: 0.000+/-0.000 χ^2/NDF: 502941.8/3

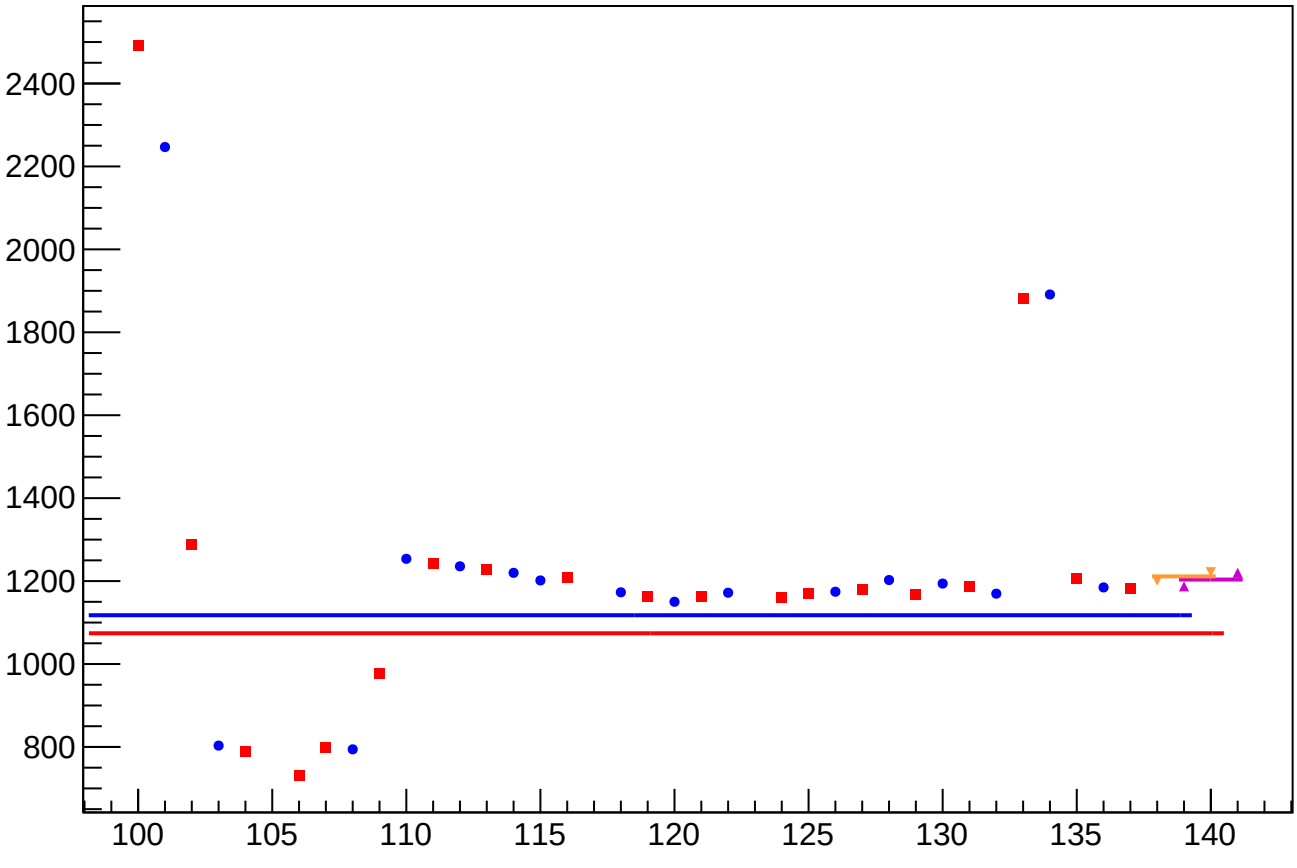
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:2207500.8/17

Out: 0.000+/-0.000 χ^2/NDF:2979421.9/20

All: 0.000+/-0.000 χ^2/NDF: 5333128.7/38


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 1019.294+/-950.711 χ²/NDF:5.8/1
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -1610.015+/-914.807 χ²/NDF:0.0/1
Left: -345.946+/-659.194 χ²/NDF: 9.8/3
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -889.917+/-387.212 χ²/NDF:12.5/17
Out: 63.895+/-377.594 χ²/NDF:20.2/20
All: -401.019+/-270.336 χ²/NDF: 35.8/38



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1211.355+/-0.672 χ^2/NDF:231.2/1

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1203.699+/-0.647 χ^2/NDF:638.3/1

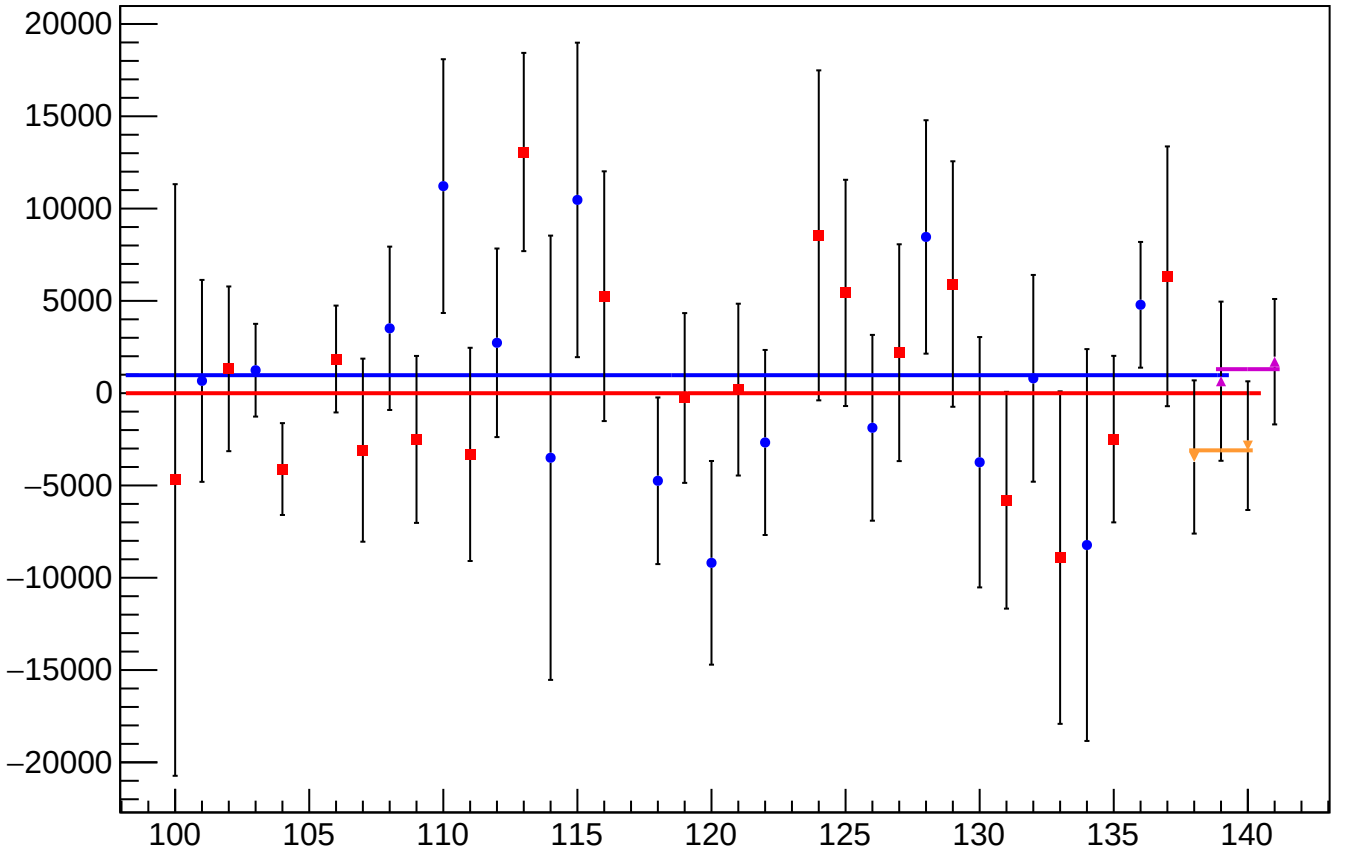
Left: 1207.380+/-0.466 χ^2/NDF: 936.8/3

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1133.094+/-0.274 χ^2/NDF:834987.3/17

Out: 1095.490+/-0.265 χ^2/NDF:684916.6/20

All: 1113.688+/-0.190 χ^2/NDF: 1529638.4/38



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -3097.420+/-2669.559 χ^2/NDF:0.0/1

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 1299.509+/-2668.627 χ^2/NDF:0.0/1

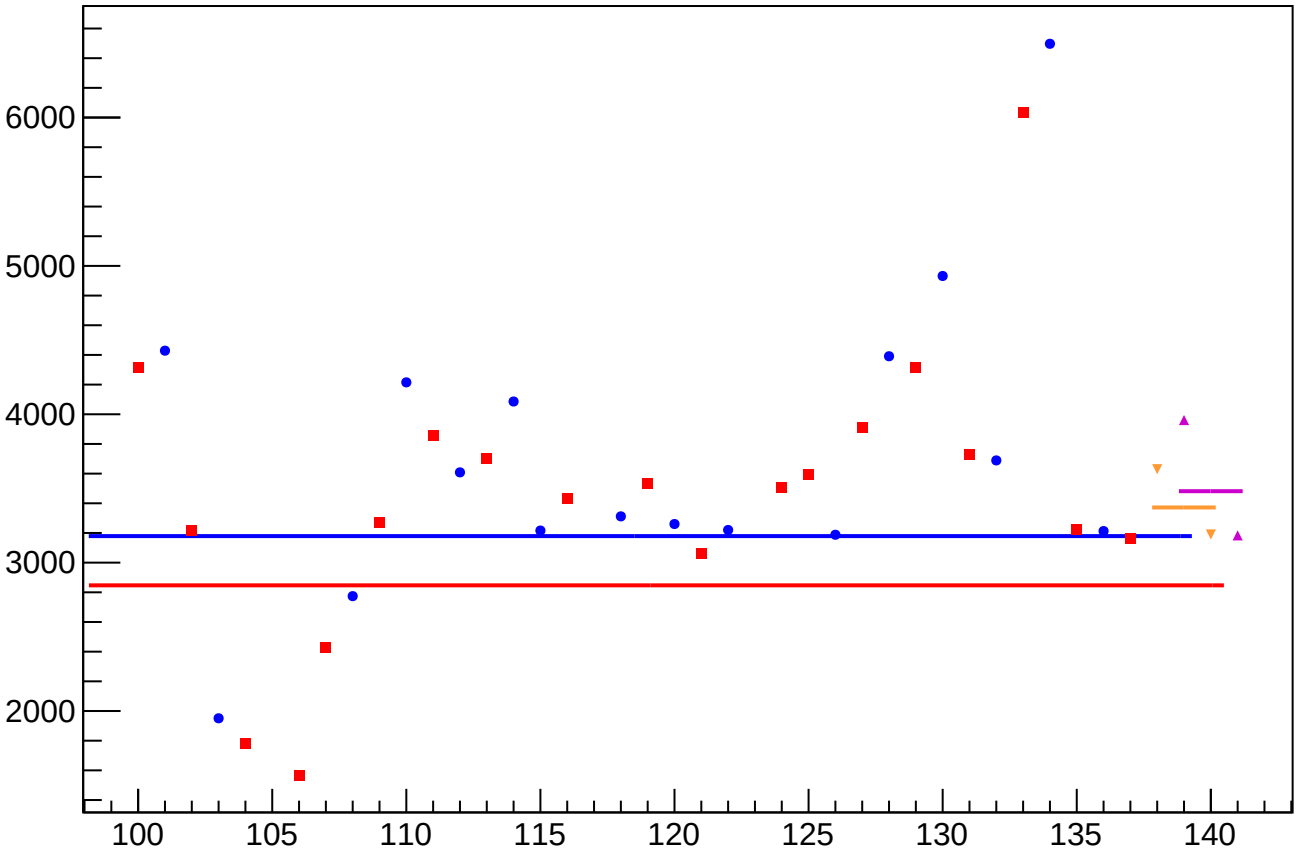
Left: -898.188+/-1887.334 χ^2/NDF: 1.4/3

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 1031.043+/-1119.118 χ^2/NDF:13.9/17

Out: -461.766+/-1027.996 χ^2/NDF:17.7/20

All: 221.399+/-757.071 χ^2/NDF: 32.5/38



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3371.877+/-1.888 χ^2/NDF:13167.8/1

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3481.561+/-1.887 χ^2/NDF:40121.5/1

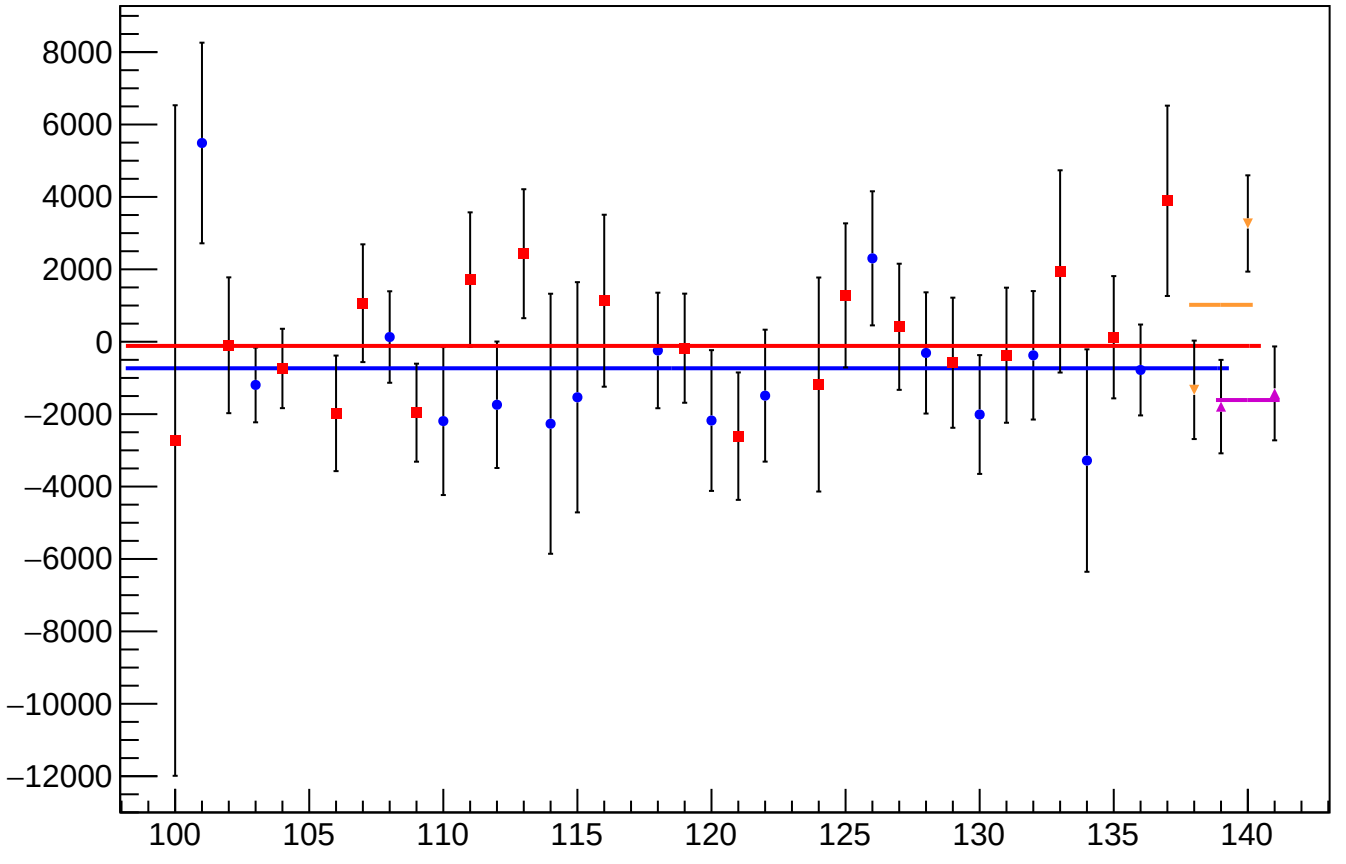
Left: 3426.738+/-1.335 χ^2/NDF: 54978.0/3

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3232.102+/-0.791 χ^2/NDF:1153003.9/17

Out: 2924.846+/-0.727 χ^2/NDF:1590175.2/20

All: 3065.458+/-0.535 χ^2/NDF: 2824944.5/38



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1019.265+/-950.711 χ^2/NDF:5.8/1

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -1610.073+/-914.807 χ^2/NDF:0.0/1

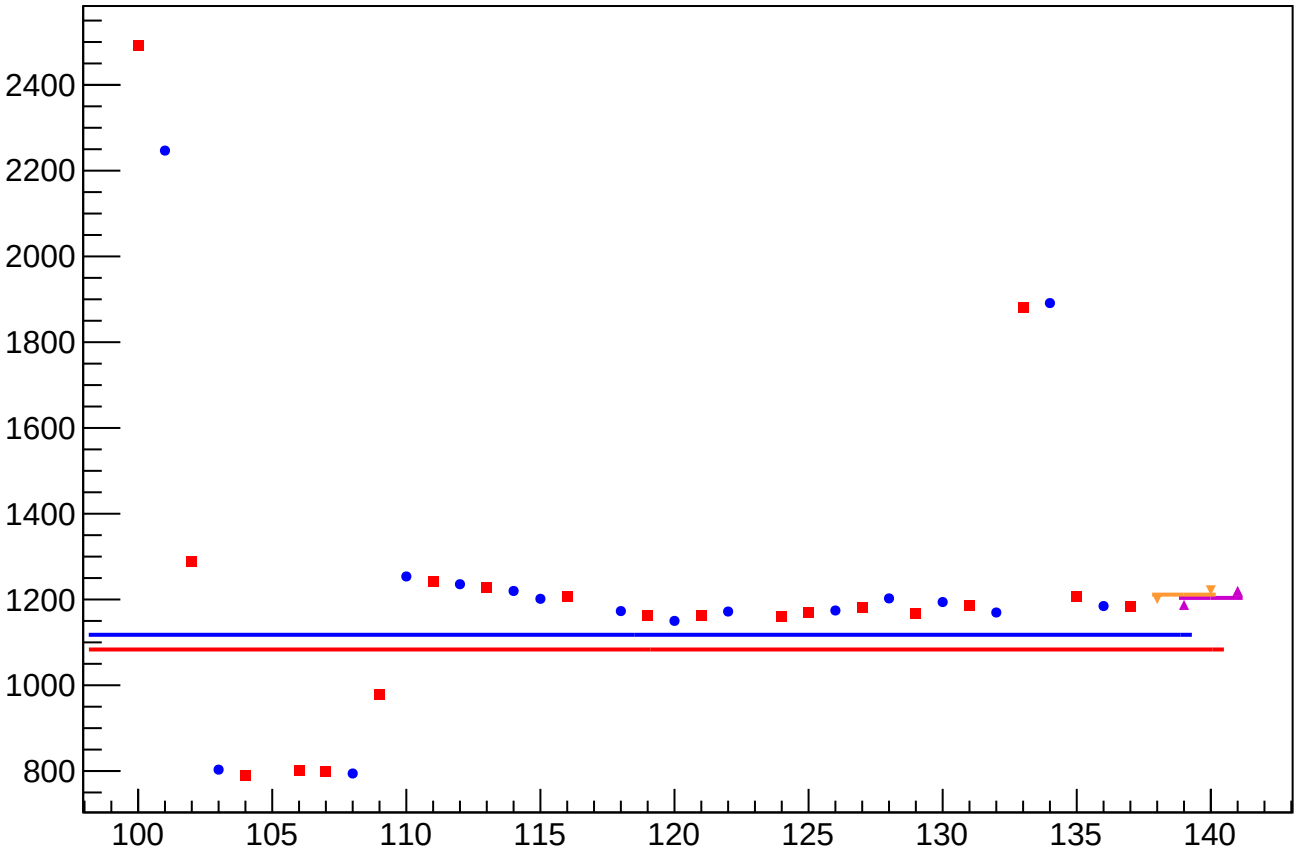
Left: -345.989+/-659.194 χ^2/NDF: 9.8/3

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -889.874+/-387.212 χ^2/NDF:12.5/17

Out: 63.668+/-377.598 χ^2/NDF:20.2/20

All: -401.118+/-270.337 χ^2/NDF: 35.8/38



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1211.355+/-0.672 χ^2/NDF:231.2/1

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1203.699+/-0.647 χ^2/NDF:638.3/1

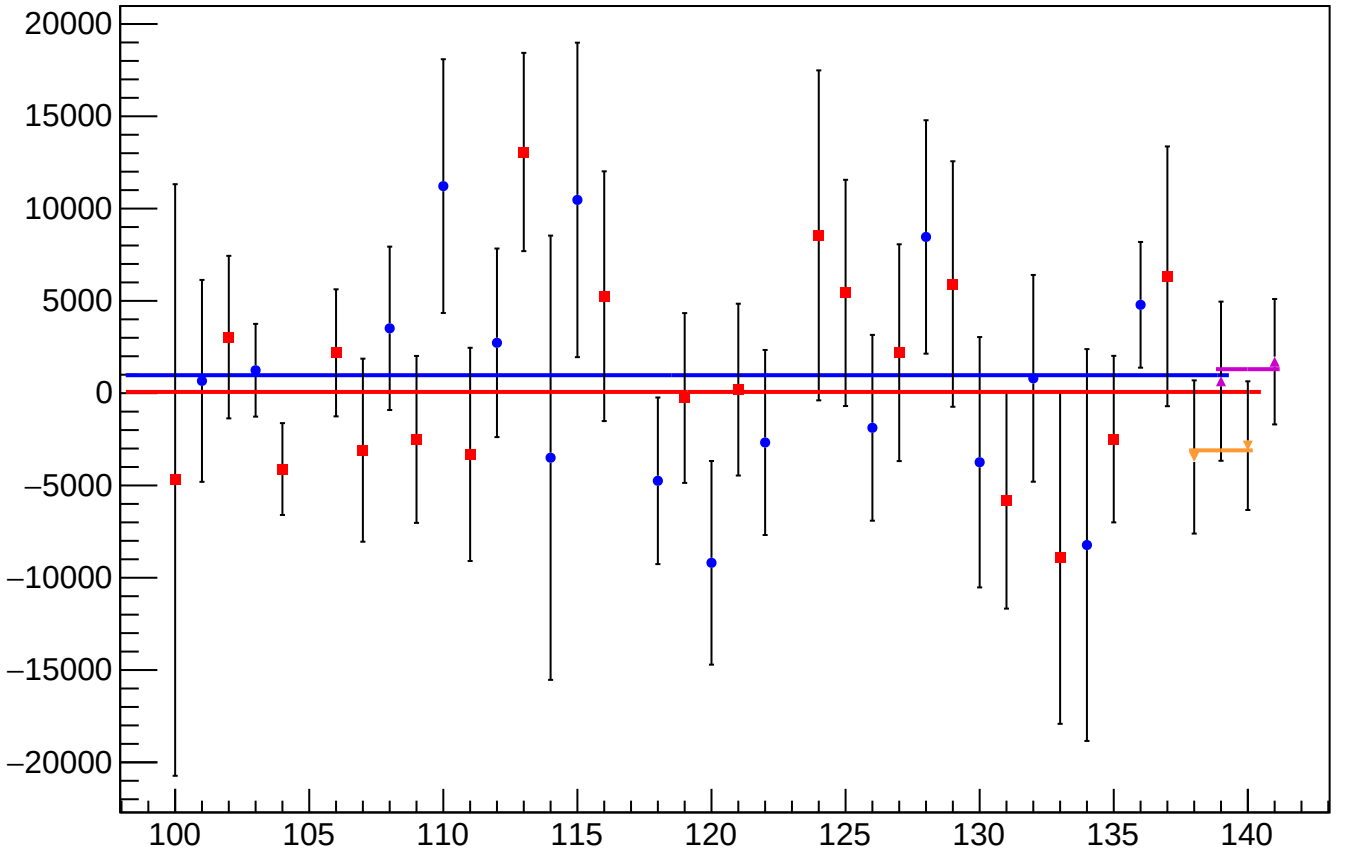
Left: 1207.380+/-0.466 χ^2/NDF: 936.8/3

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1133.095+/-0.274 χ^2/NDF:834983.7/17

Out: 1103.537+/-0.267 χ^2/NDF:625769.5/20

All: 1117.920+/-0.191 χ^2/NDF: 1466736.1/38



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3097.240+/-2669.551 χ^2/NDF:0.0/1

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 1299.475+/-2668.627 χ^2/NDF:0.0/1

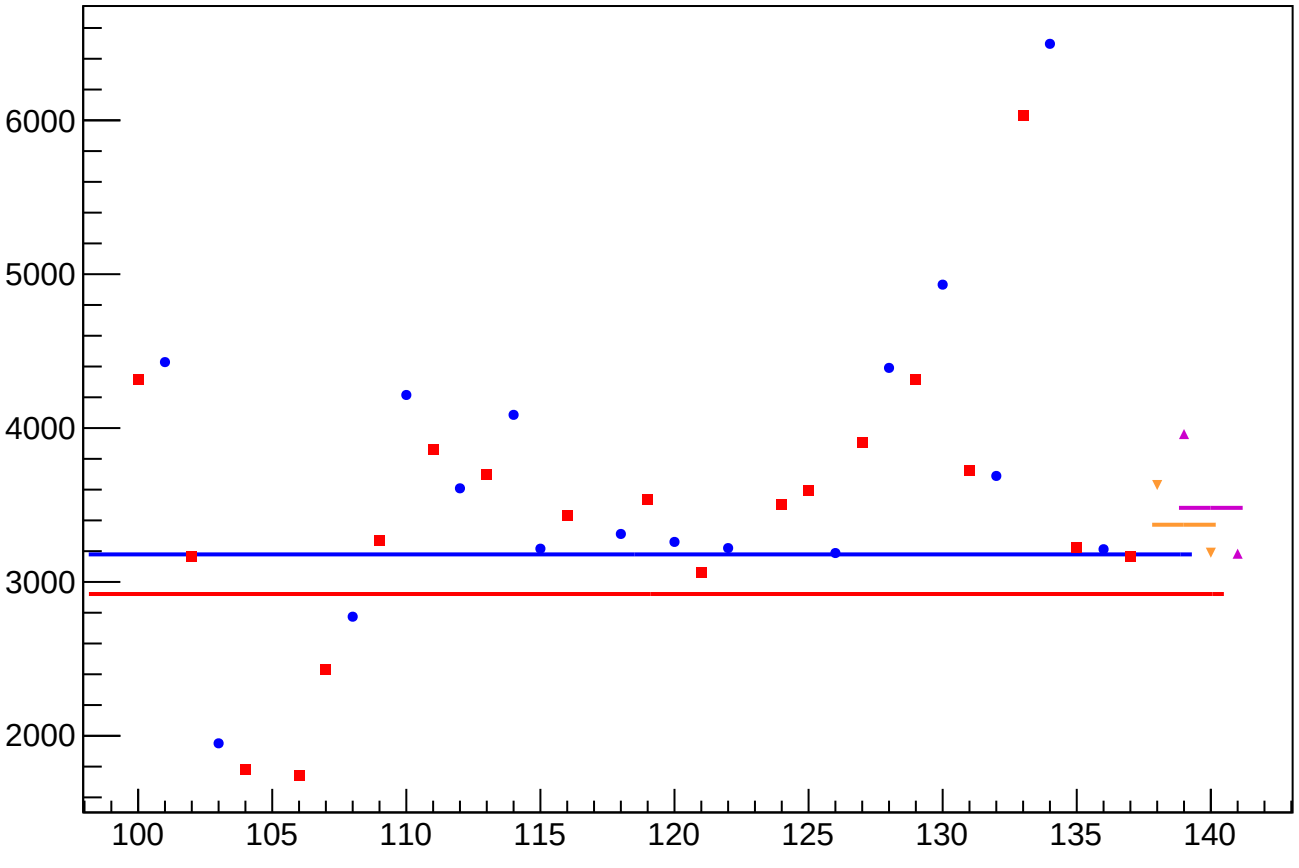
Left: -898.121+/-1887.331 χ^2/NDF: 1.4/3

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 1030.630+/-1119.155 χ^2/NDF:13.9/17

Out: -419.415+/-1046.766 χ^2/NDF:18.1/20

All: 257.199+/-764.487 χ^2/NDF: 32.9/38



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3371.866+/-1.888 χ^2/NDF:13168.3/1

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3481.560+/-1.887 χ^2/NDF:40121.4/1

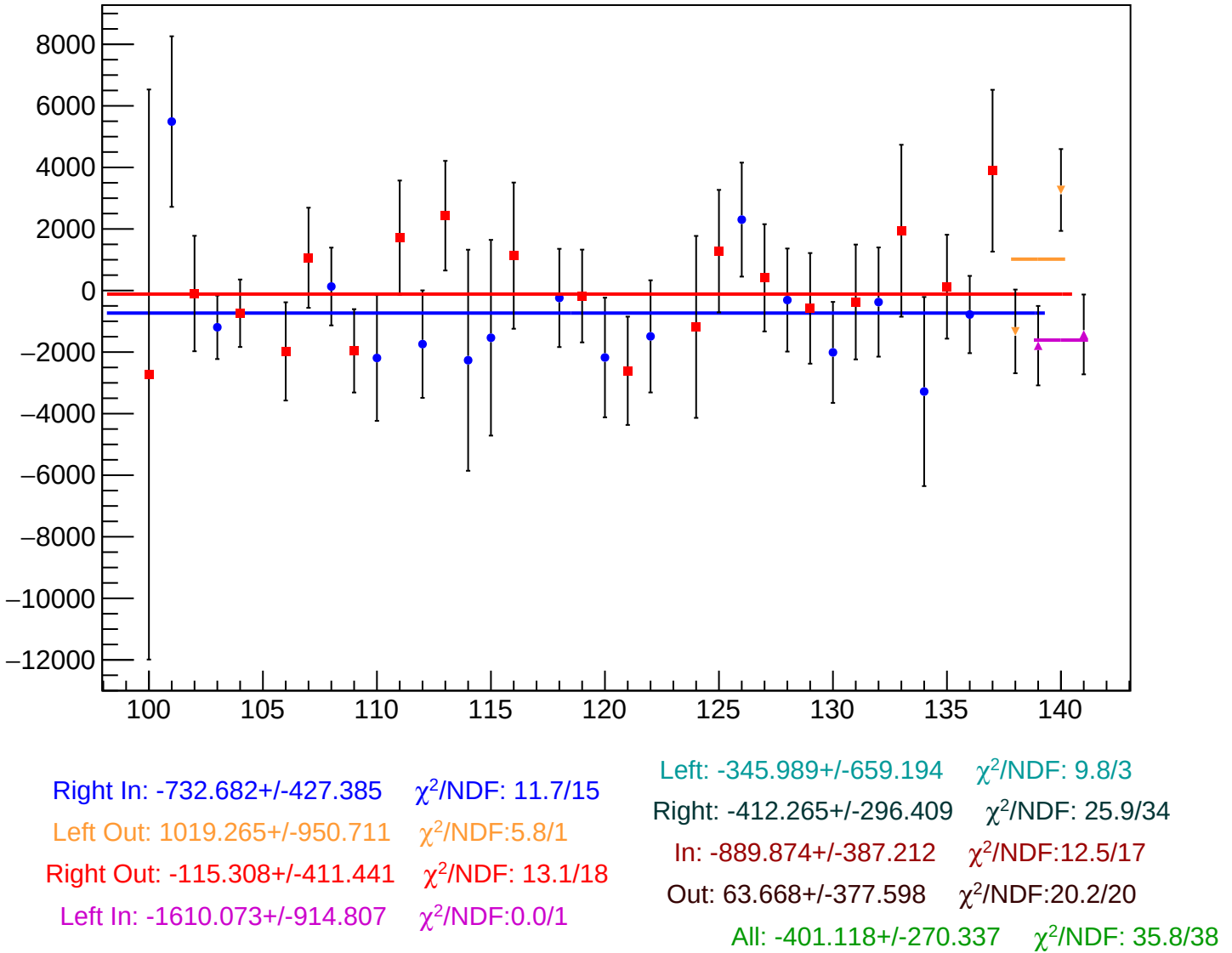
Left: 3426.732+/-1.335 χ^2/NDF: 54978.7/3

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3232.257+/-0.791 χ^2/NDF:1152537.4/17

Out: 2990.864+/-0.740 χ^2/NDF:1374198.8/20

All: 3103.502+/-0.541 χ^2/NDF: 2576365.7/38


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
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−2000
−4000
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−8000
−10000
−12000
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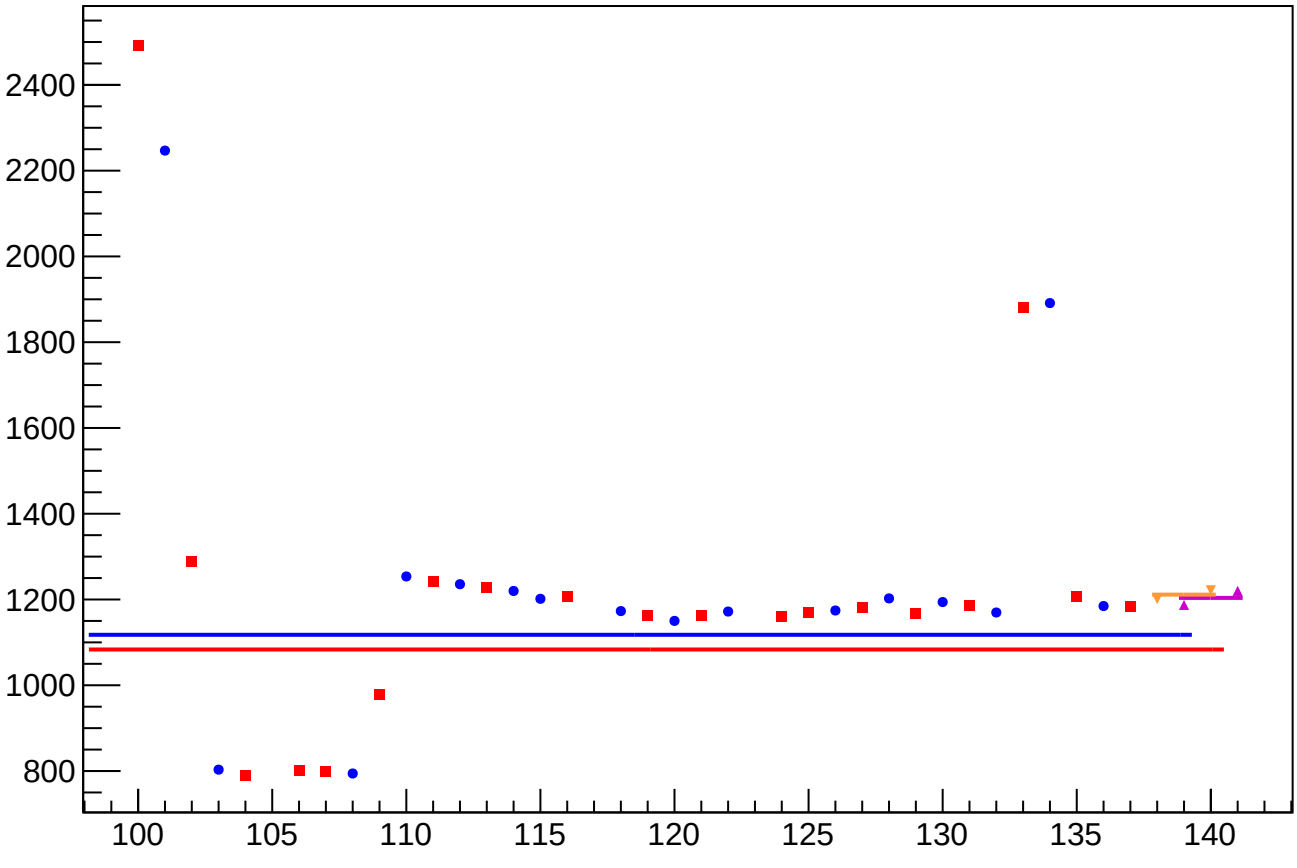
135
140
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 1019.265+/-950.711 χ²/NDF:5.8/1
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -1610.073+/-914.807 χ²/NDF:0.0/1
Left: -345.989+/-659.194 χ²/NDF: 9.8/3
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -889.874+/-387.212 χ²/NDF:12.5/17
Out: 63.668+/-377.598 χ²/NDF:20.2/20
All: -401.118+/-270.337 χ²/NDF: 35.8/38



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1211.355+/-0.672 χ^2/NDF:231.2/1

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1203.699+/-0.647 χ^2/NDF:638.3/1

Left: 1207.380+/-0.466 χ^2/NDF: 936.8/3

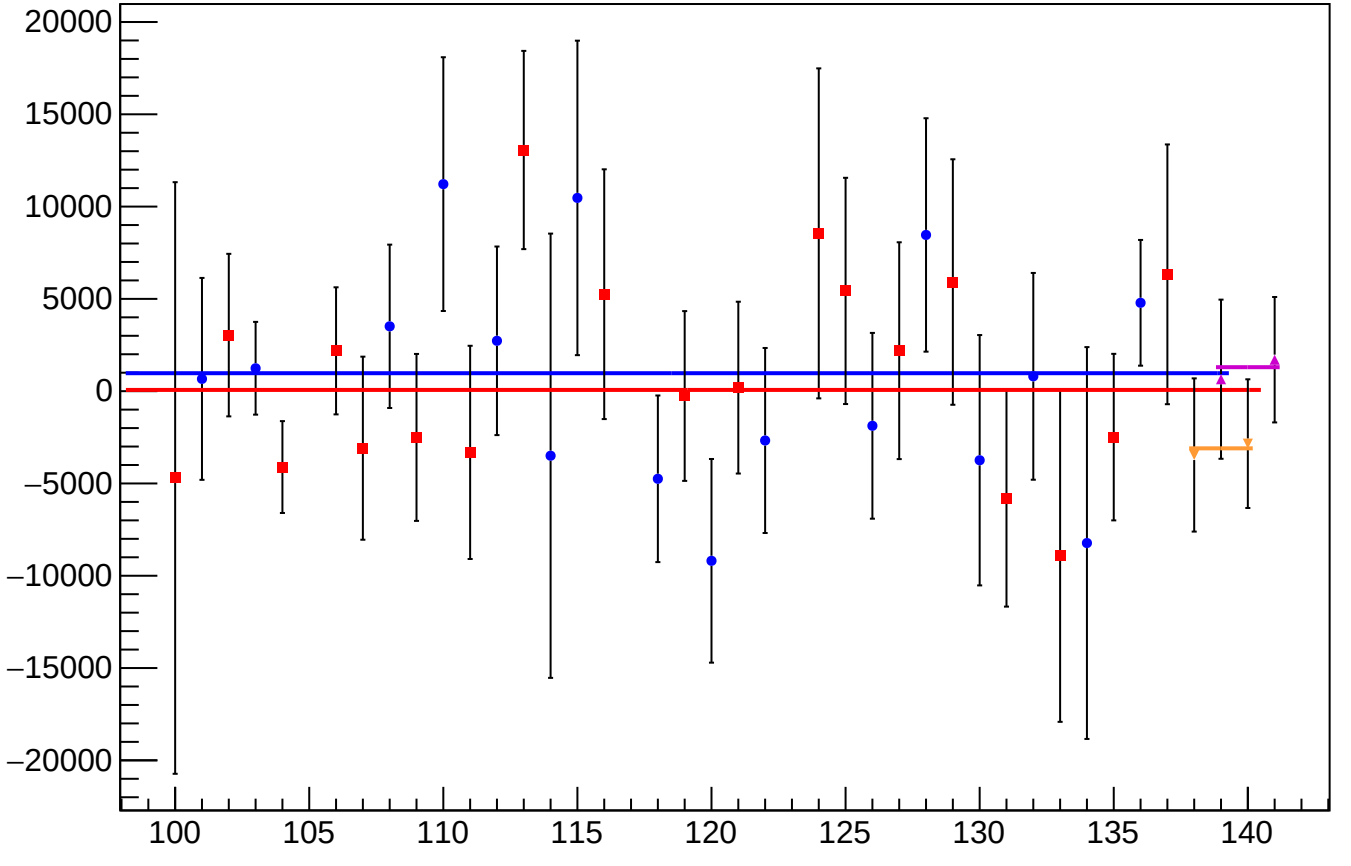
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1133.095+/-0.274 χ^2/NDF:834983.7/17

Out: 1103.537+/-0.267 χ^2/NDF:625769.5/20

All: 1117.920+/-0.191 χ^2/NDF: 1466736.1/38

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3097.240+/-2669.551 χ^2/NDF:0.0/1

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 1299.475+/-2668.627 χ^2/NDF:0.0/1

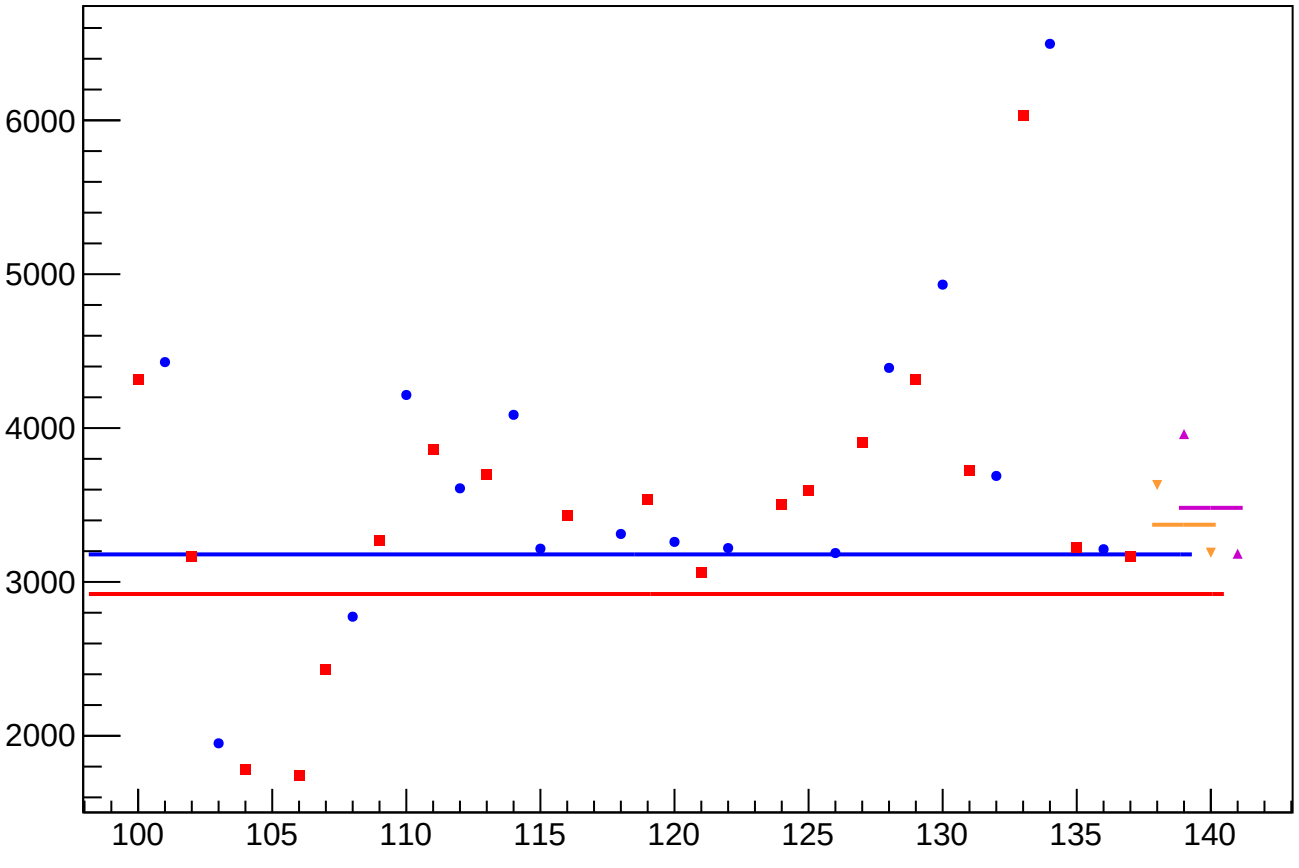
Left: -898.121+/-1887.331 χ^2/NDF: 1.4/3

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 1030.630+/-1119.155 χ^2/NDF:13.9/17

Out: -419.415+/-1046.766 χ^2/NDF:18.1/20

All: 257.199+/-764.487 χ^2/NDF: 32.9/38



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3371.866+/-1.888 χ^2/NDF:13168.3/1

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3481.560+/-1.887 χ^2/NDF:40121.4/1

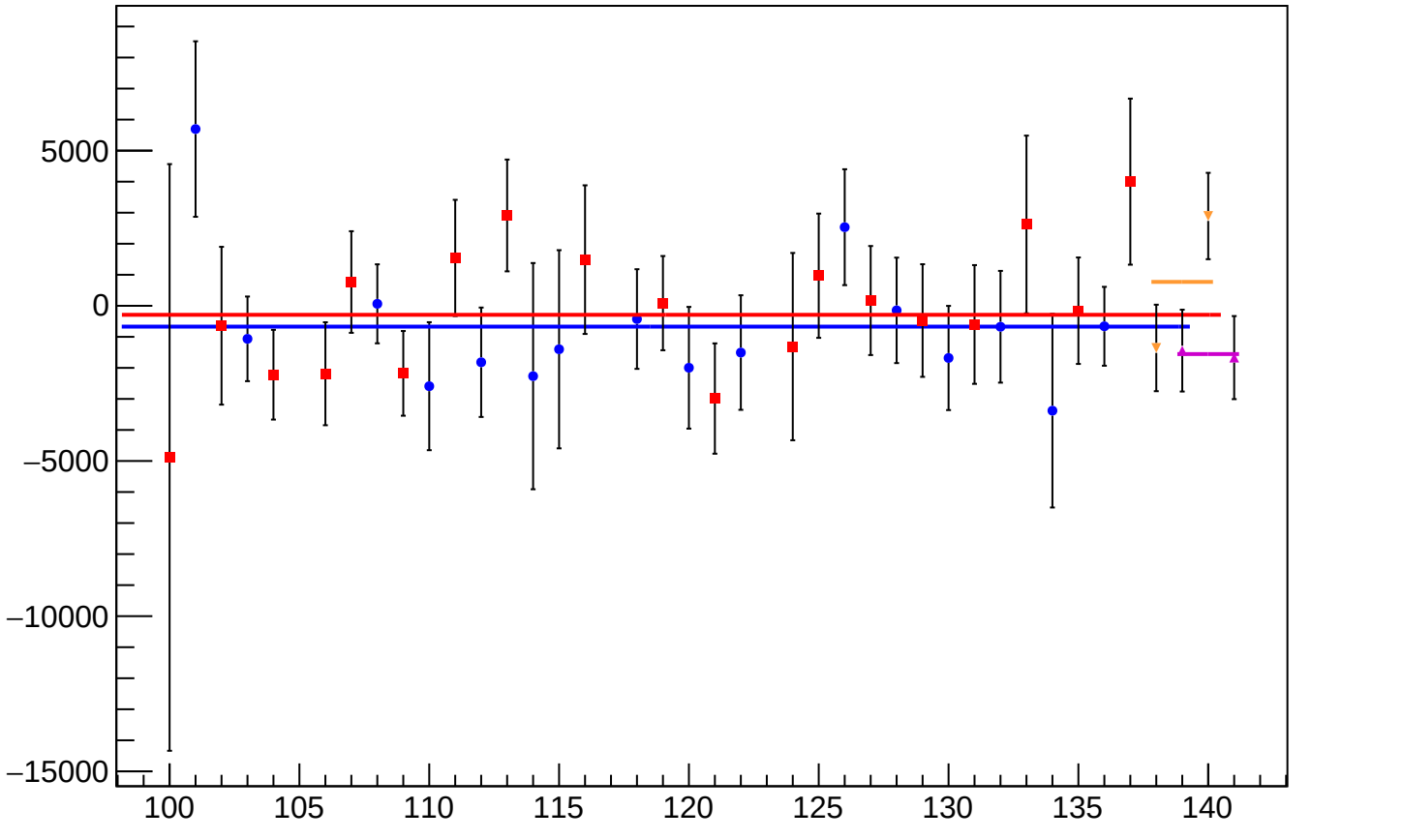
Left: 3426.732+/-1.335 χ^2/NDF: 54978.7/3

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3232.257+/-0.791 χ^2/NDF:1152537.4/17

Out: 2990.864+/-0.740 χ^2/NDF:1374198.8/20

All: 3103.502+/-0.541 χ^2/NDF: 2576365.7/38



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 770.502+/-984.727 χ^2/NDF:4.7/1

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -1554.721+/-939.224 χ^2/NDF:0.0/1

Left: -447.073+/-679.649 χ^2/NDF: 7.6/3

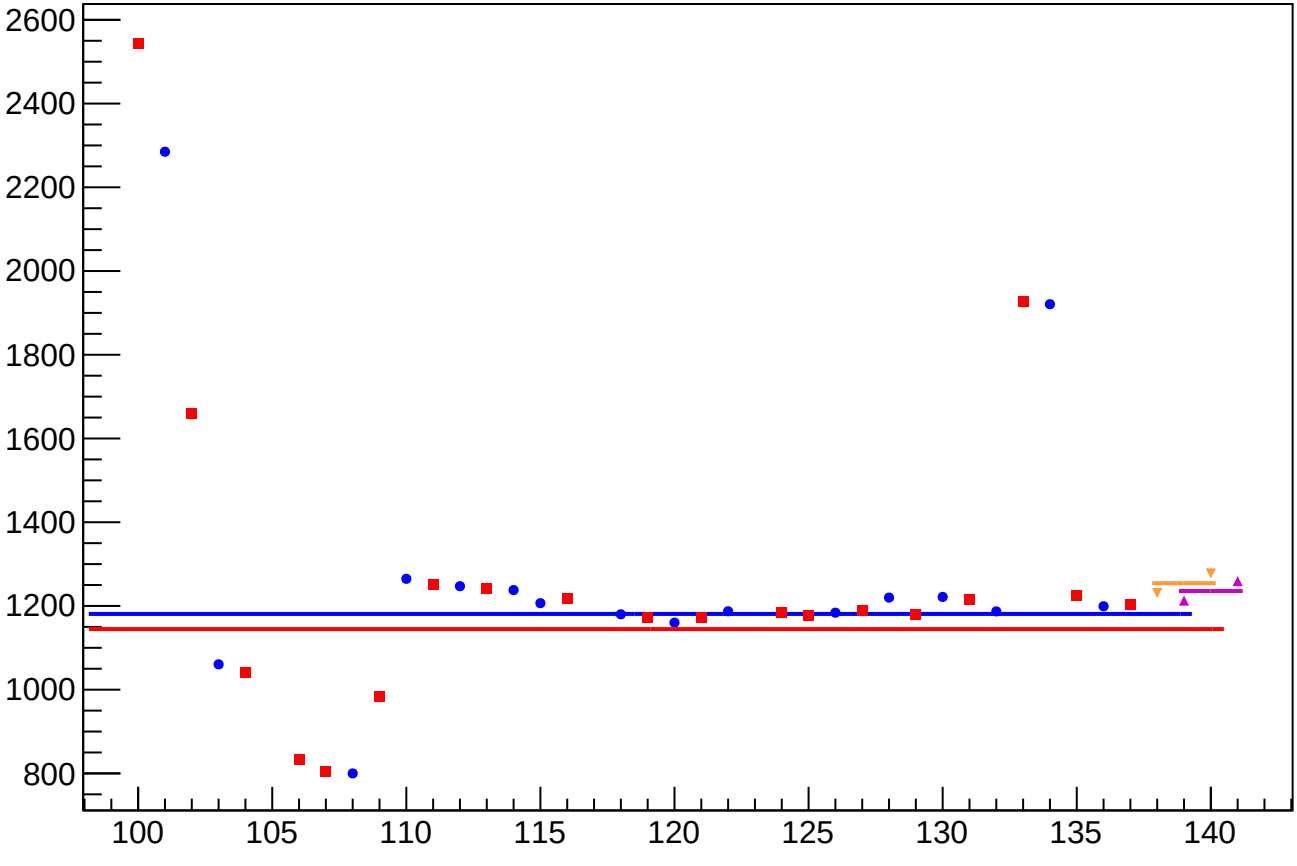
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -834.947+/-404.724 χ^2/NDF:12.6/17

Out: -117.487+/-397.465 χ^2/NDF:22.6/20

All: -469.726+/-283.582 χ^2/NDF: 36.8/38

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1254.321+/-0.696 χ^2/NDF:1125.7/1

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1235.640+/-0.664 χ^2/NDF:1222.8/1

Left: 1244.539+/-0.481 χ^2/NDF: 2725.4/3

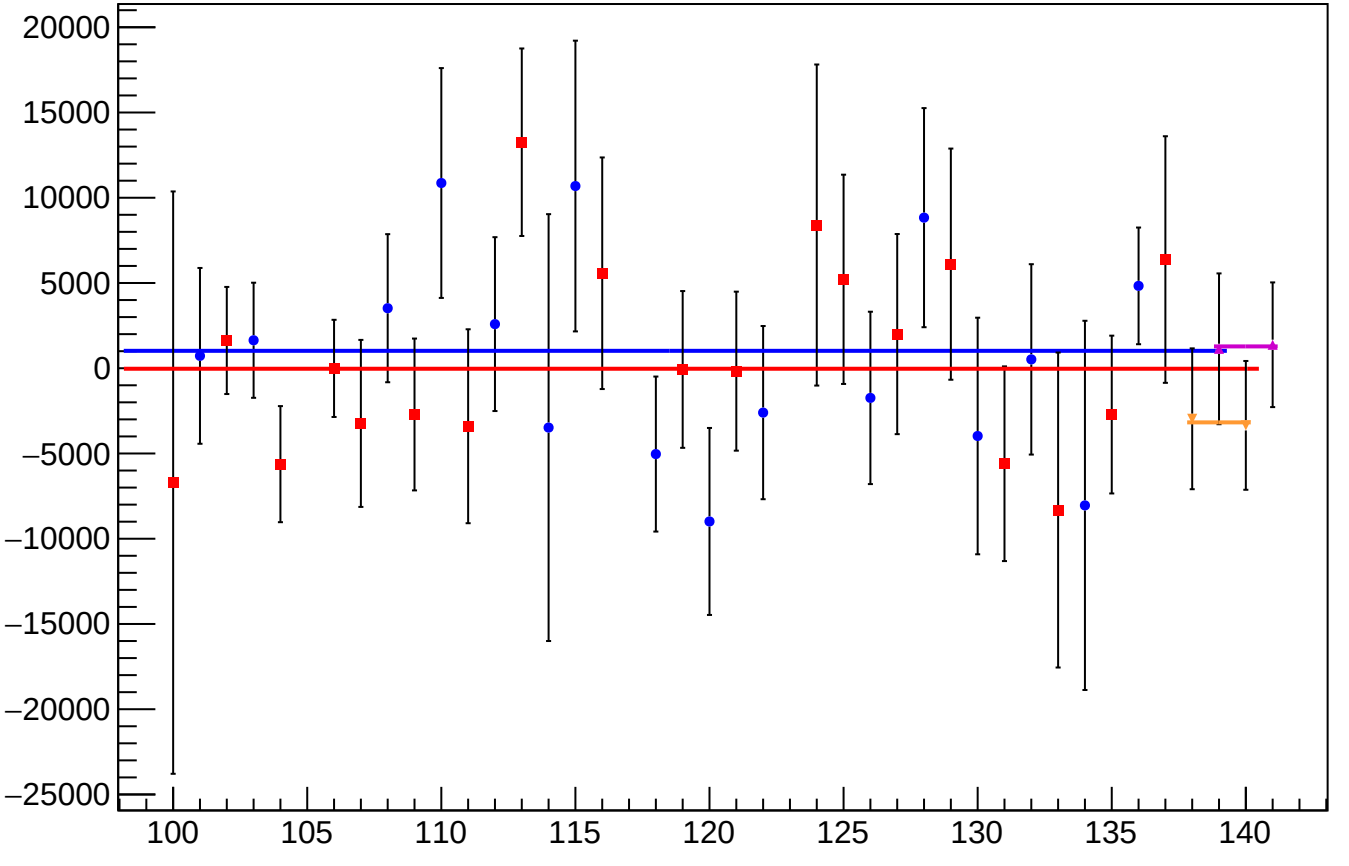
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1191.110+/-0.286 χ^2/NDF:628622.5/17

Out: 1162.610+/-0.281 χ^2/NDF:519577.5/20

All: 1176.596+/-0.200 χ^2/NDF: 1153250.3/38

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -3175.590+/-2787.541 χ^2/NDF:0.0/1

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: 1280.365+/-2818.391 χ^2/NDF:0.0/1

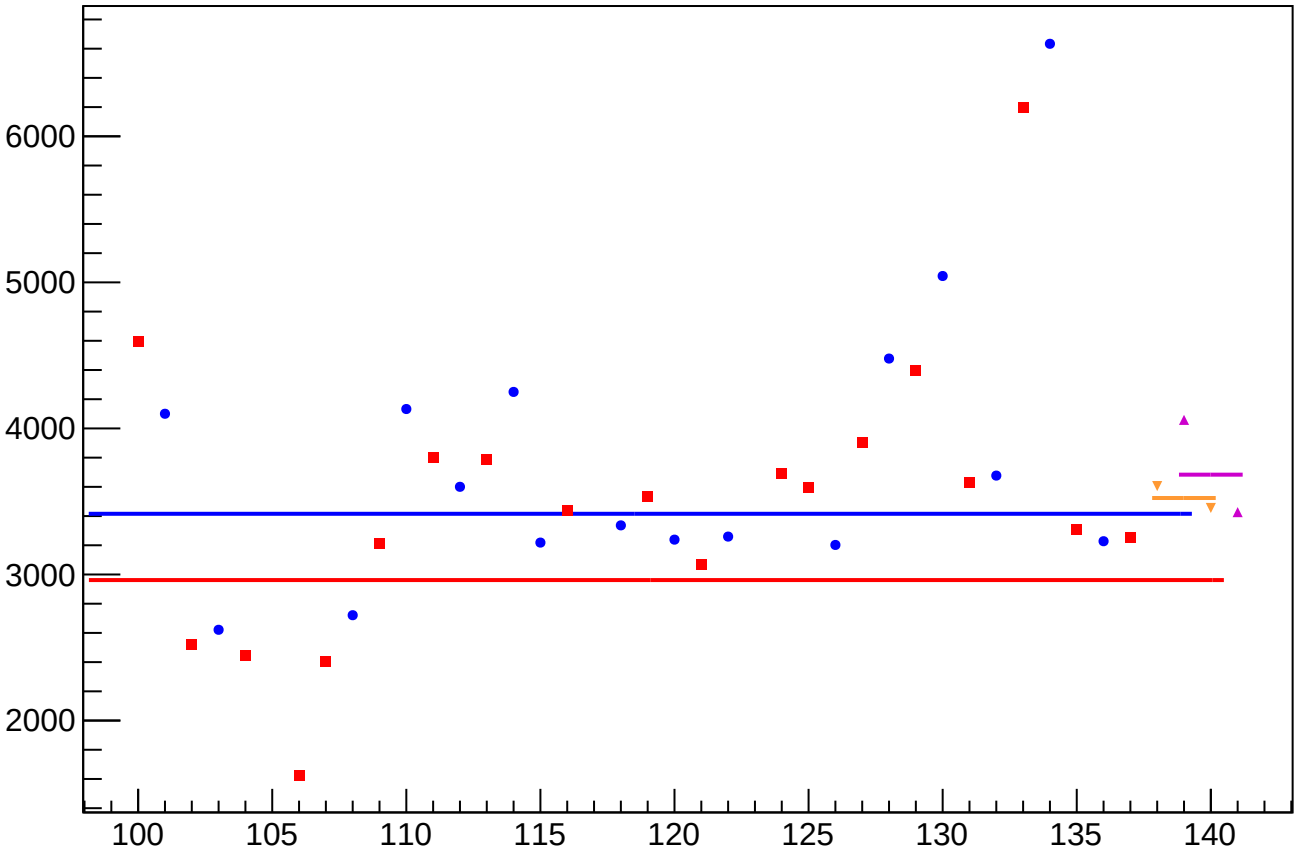
Left: -972.133+/-1981.906 χ^2/NDF: 1.3/3

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 1066.680+/-1182.293 χ^2/NDF:13.9/17

Out: -474.574+/-1047.817 χ^2/NDF:17.2/20

All: 203.452+/-784.172 χ^2/NDF: 32.1/38



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3523.687+/-1.971 χ^2/NDF:1431.4/1

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3683.462+/-1.993 χ^2/NDF:24237.5/1

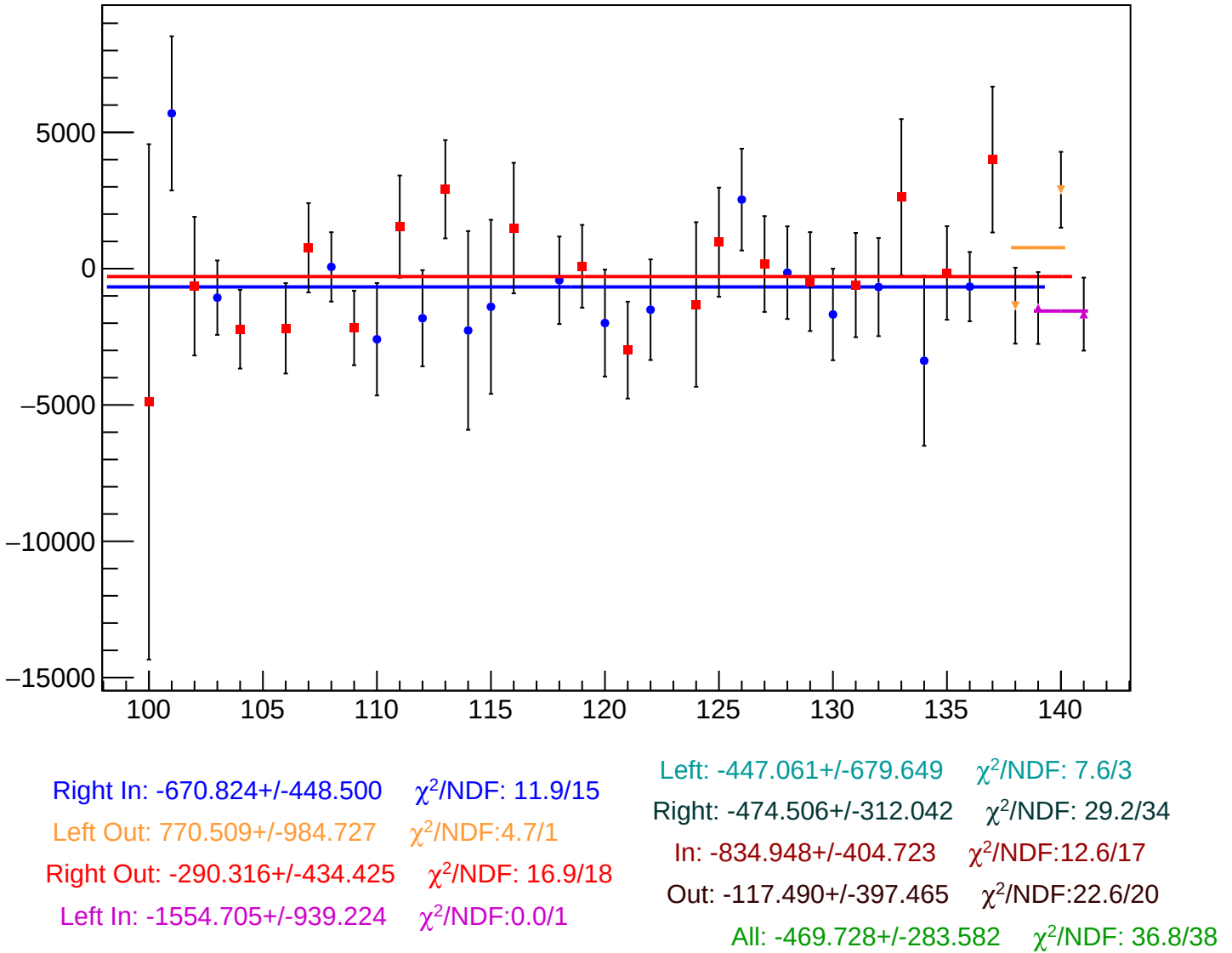
Left: 3602.695+/-1.401 χ^2/NDF: 28918.1/3

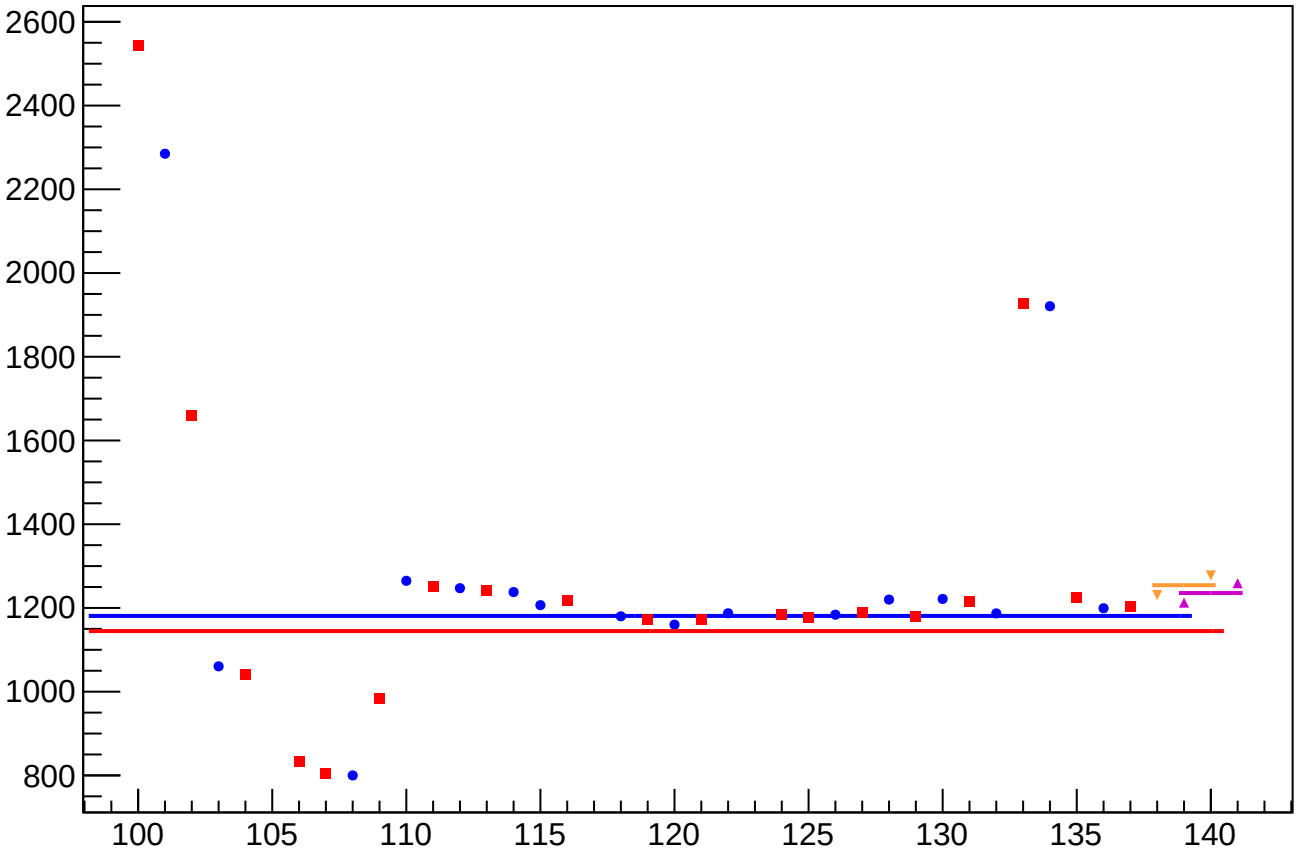
Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3462.732+/-0.836 χ^2/NDF:631468.5/17

Out: 3041.191+/-0.741 χ^2/NDF:1240469.0/20

All: 3226.635+/-0.554 χ^2/NDF: 2014338.1/38


eigen_dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
Right In: -670.824+/-448.500 χ²/NDF: 11.9/15
Left Out: 770.509+/-984.727 χ²/NDF:4.7/1
Right Out: -290.316+/-434.425 χ²/NDF: 16.9/18
Left In: -1554.705+/-939.224 χ²/NDF:0.0/1
Left: -447.061+/-679.649 χ²/NDF: 7.6/3
Right: -474.506+/-312.042 χ²/NDF: 29.2/34
In: -834.948+/-404.723 χ²/NDF:12.6/17
Out: -117.490+/-397.465 χ²/NDF:22.6/20
All: -469.728+/-283.582 χ²/NDF: 36.8/38



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1254.321+/-0.696 χ^2/NDF:1125.7/1

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1235.641+/-0.664 χ^2/NDF:1222.7/1

Left: 1244.539+/-0.481 χ^2/NDF: 2725.3/3

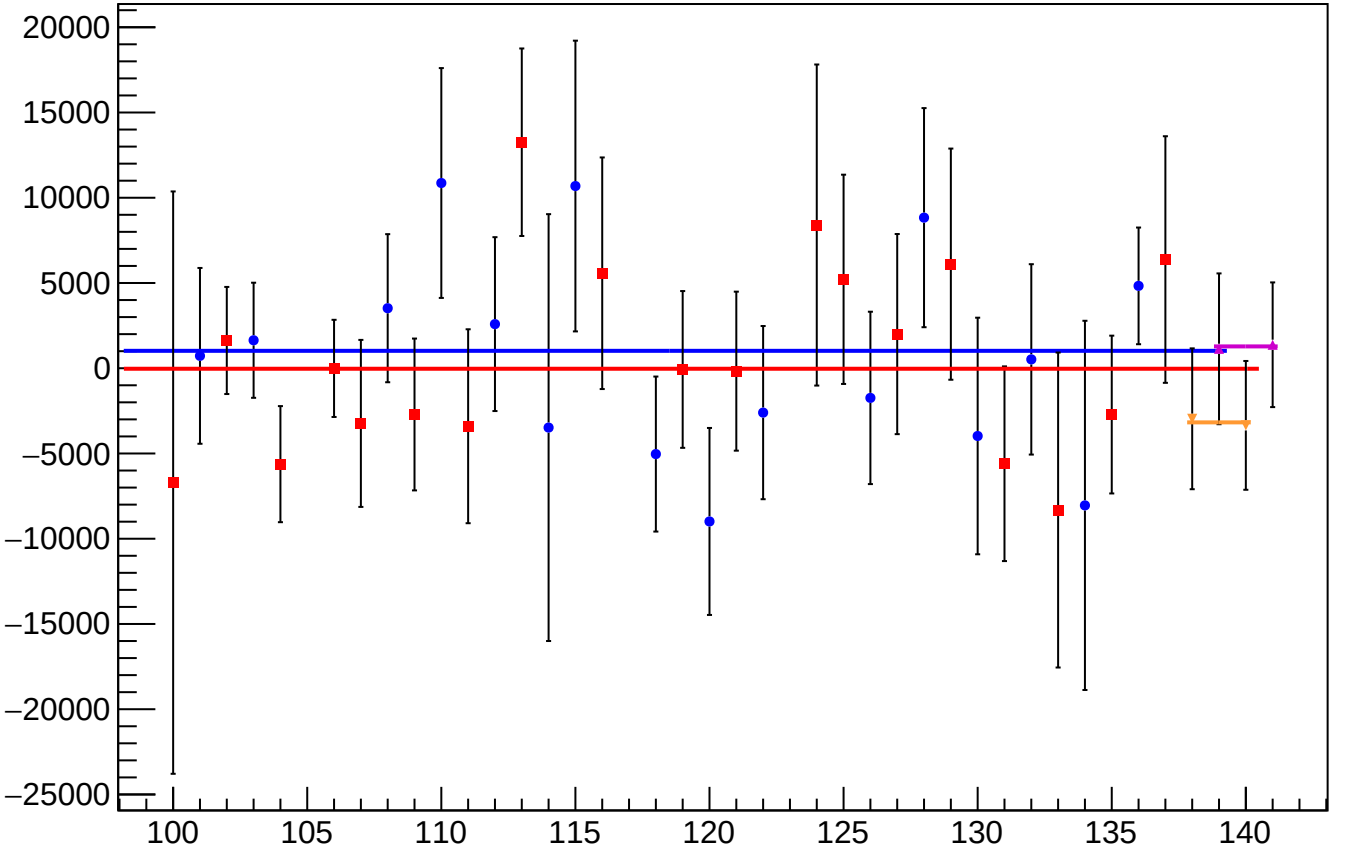
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1191.109+/-0.286 χ^2/NDF:628622.8/17

Out: 1162.610+/-0.281 χ^2/NDF:519577.0/20

All: 1176.596+/-0.200 χ^2/NDF: 1153250.0/38

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -3175.584+/-2787.542 χ^2/NDF:0.0/1

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 1280.383+/-2818.392 χ^2/NDF:0.0/1

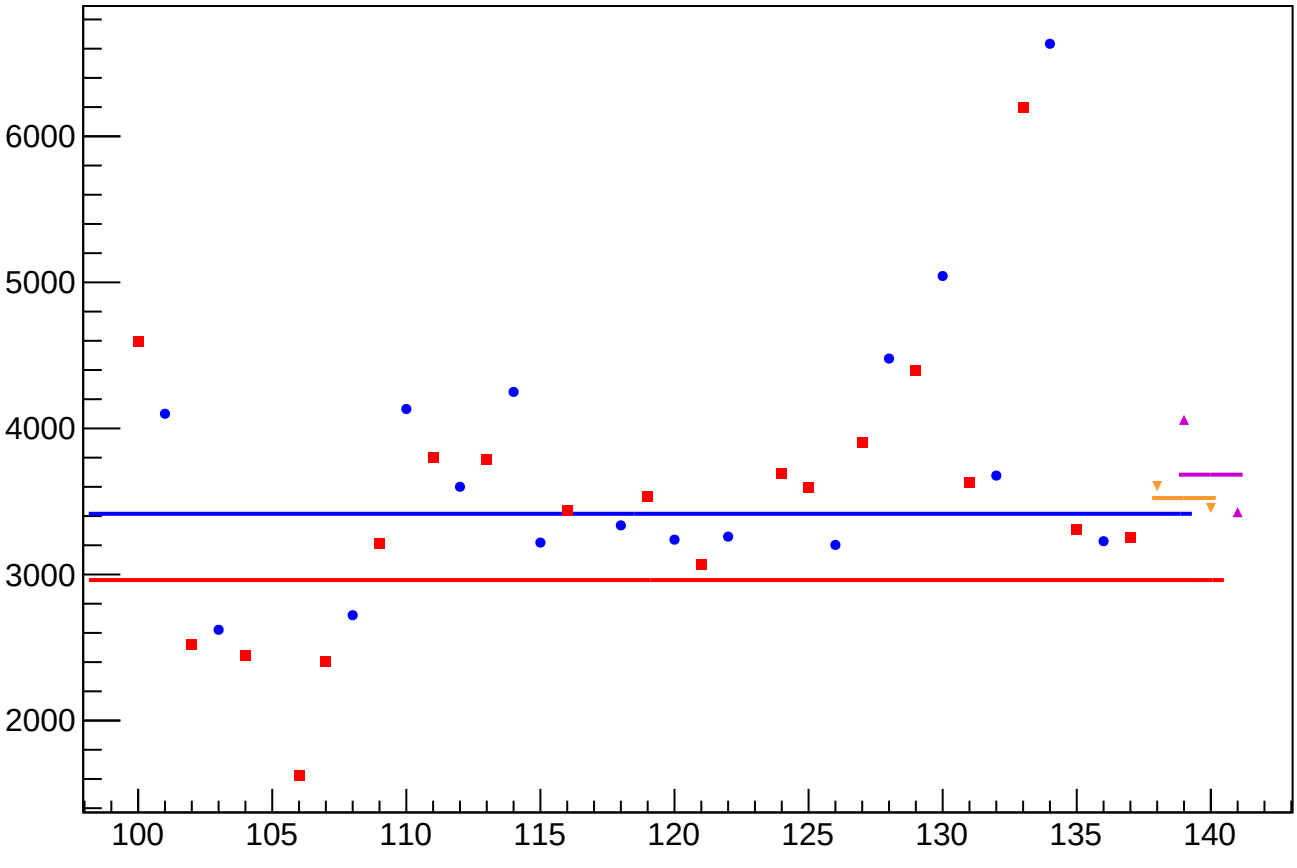
Left: -972.121+/-1981.907 χ^2/NDF: 1.3/3

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 1066.669+/-1182.292 χ^2/NDF:13.9/17

Out: -474.577+/-1047.816 χ^2/NDF:17.2/20

All: 203.445+/-784.171 χ^2/NDF: 32.1/38



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3523.688+/-1.971 χ^2/NDF:1431.5/1

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3683.463+/-1.993 χ^2/NDF:24238.1/1

Left: 3602.696+/-1.401 χ^2/NDF: 28918.8/3

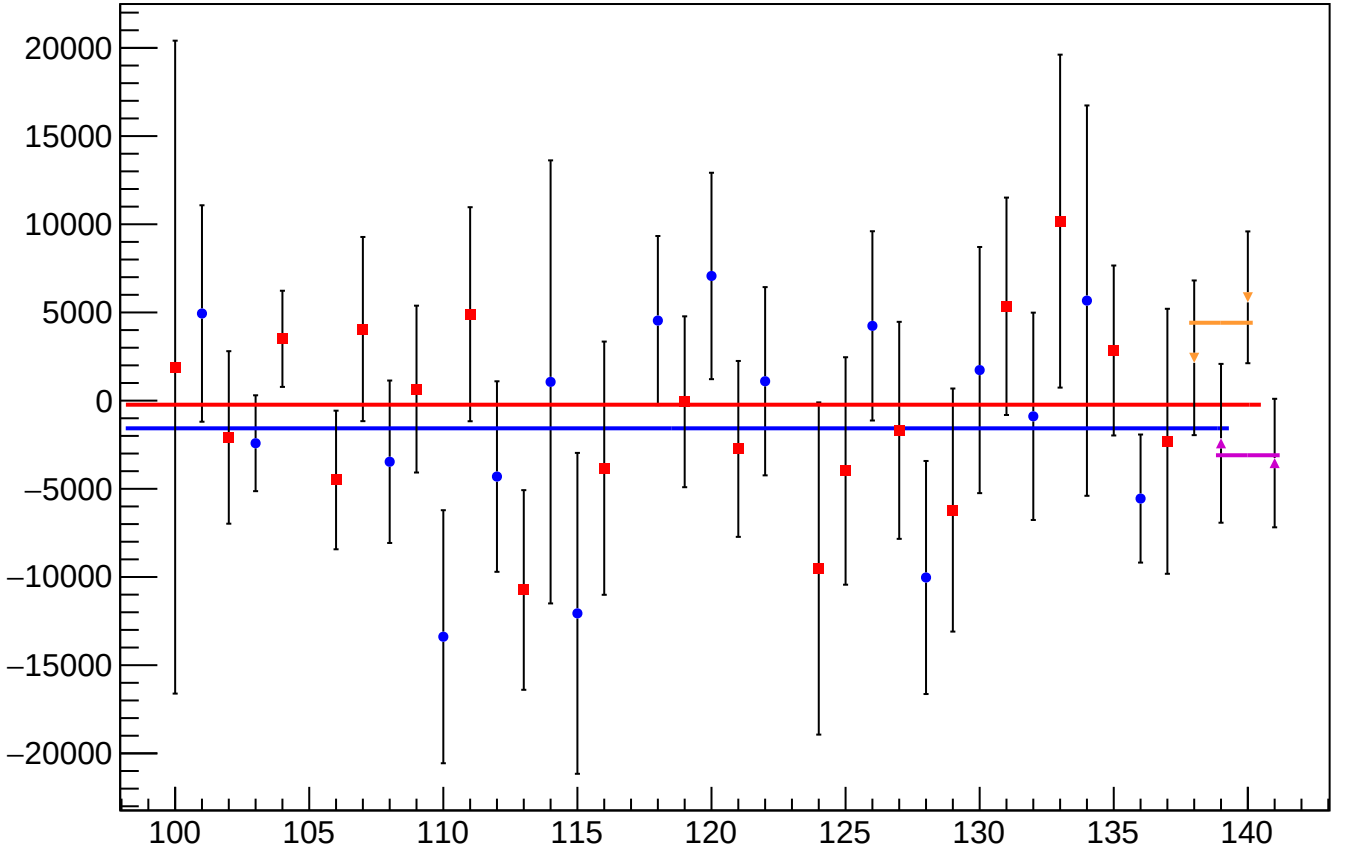
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3462.729+/-0.836 χ^2/NDF:631464.7/17

Out: 3041.186+/-0.741 χ^2/NDF:1240470.1/20

All: 3226.631+/-0.554 χ^2/NDF: 2014336.7/38

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 4415.657+/-2844.206 χ^2/NDF:0.4/1

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -3096.706+/-2832.269 χ^2/NDF:0.0/1

Left: 643.677+/-2006.924 χ^2/NDF: 3.9/3

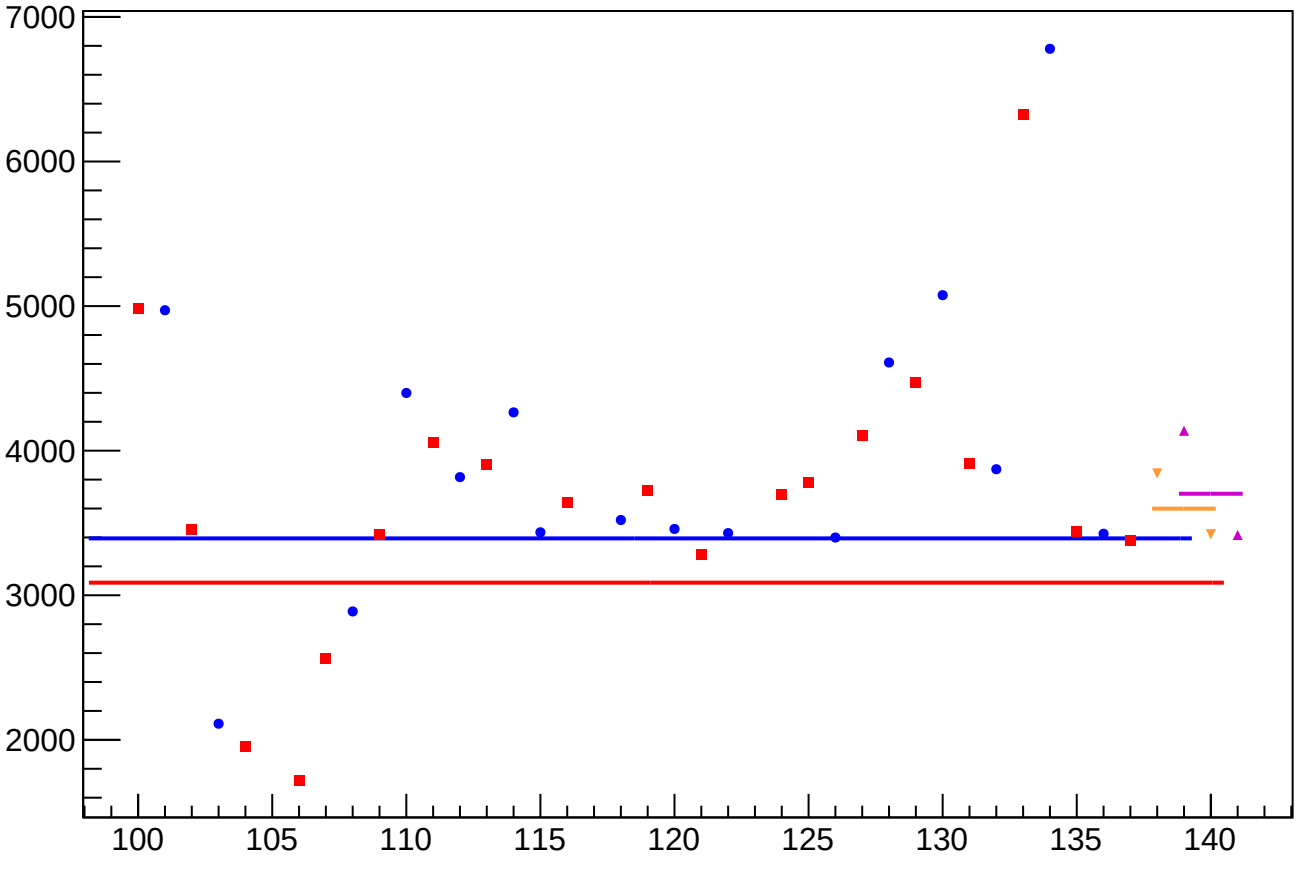
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -1839.888+/-1191.174 χ^2/NDF:14.7/17

Out: 495.301+/-1124.555 χ^2/NDF:15.8/20

All: -605.170+/-817.718 χ^2/NDF: 32.6/38

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3599.036+/-2.011 χ^2/NDF:10671.5/1

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3702.238+/-2.003 χ^2/NDF:30959.7/1

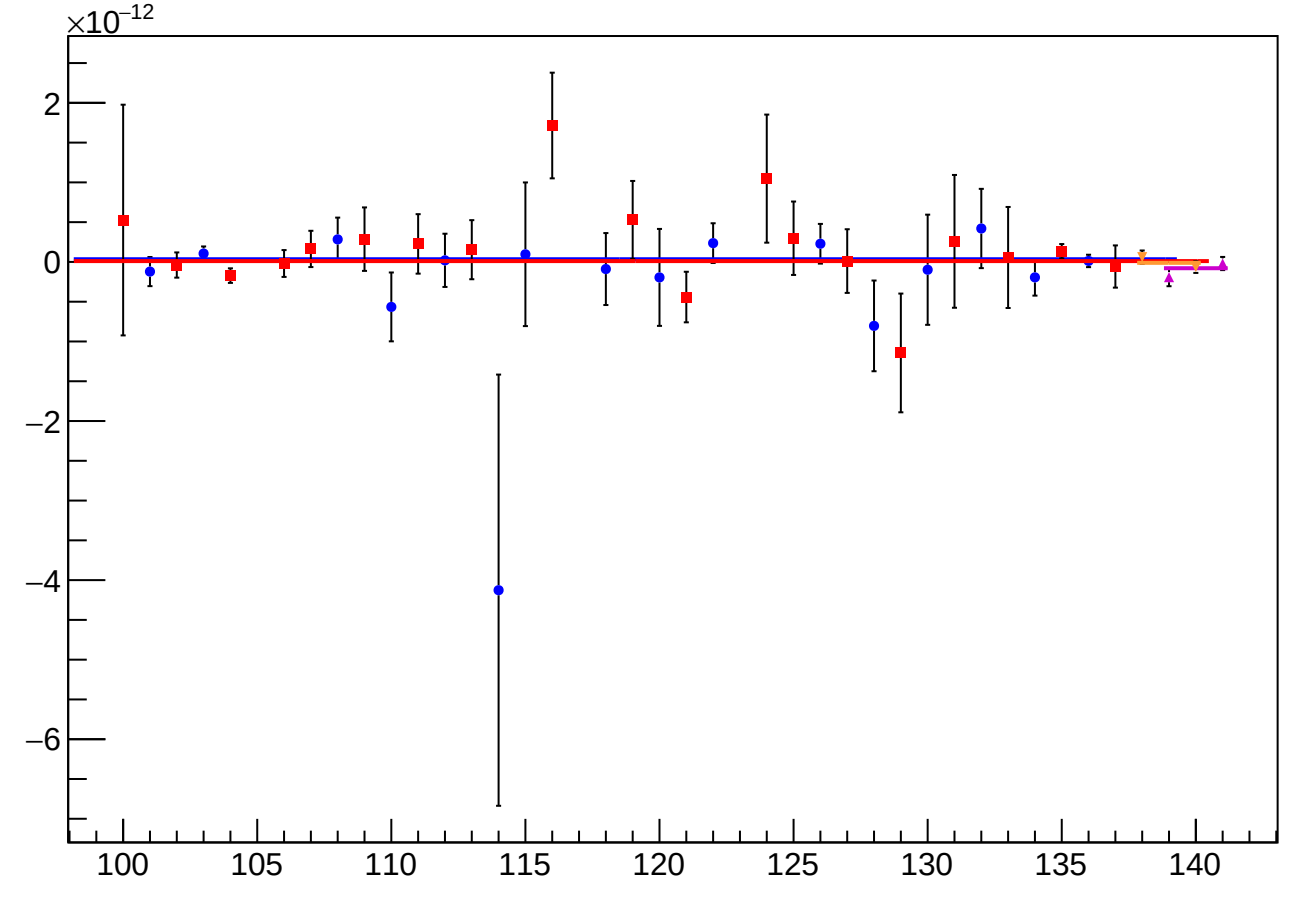
Left: 3650.854+/-1.419 χ^2/NDF: 42953.3/3

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3447.999+/-0.842 χ^2/NDF:1099245.9/17

Out: 3165.051+/-0.784 χ^2/NDF:1393933.8/20

All: 3296.379+/-0.574 χ^2/NDF: 2553649.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/1

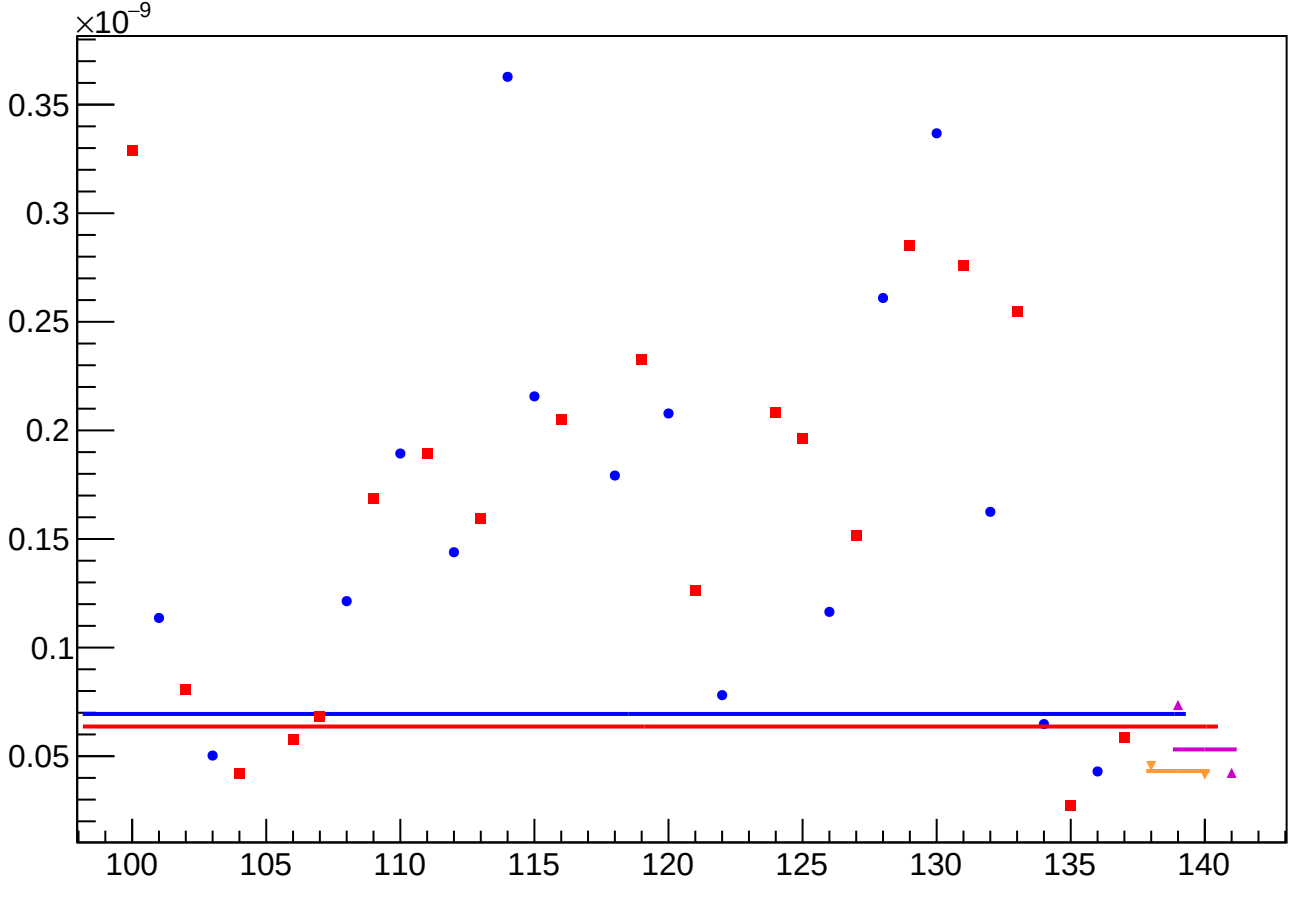
Left: -0.000+/-0.000 χ^2/NDF: 3.4/3

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:15.1/17

Out: 0.000+/-0.000 χ^2/NDF:23.2/20

All: -0.000+/-0.000 χ^2/NDF: 38.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2615.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:98410.6/1

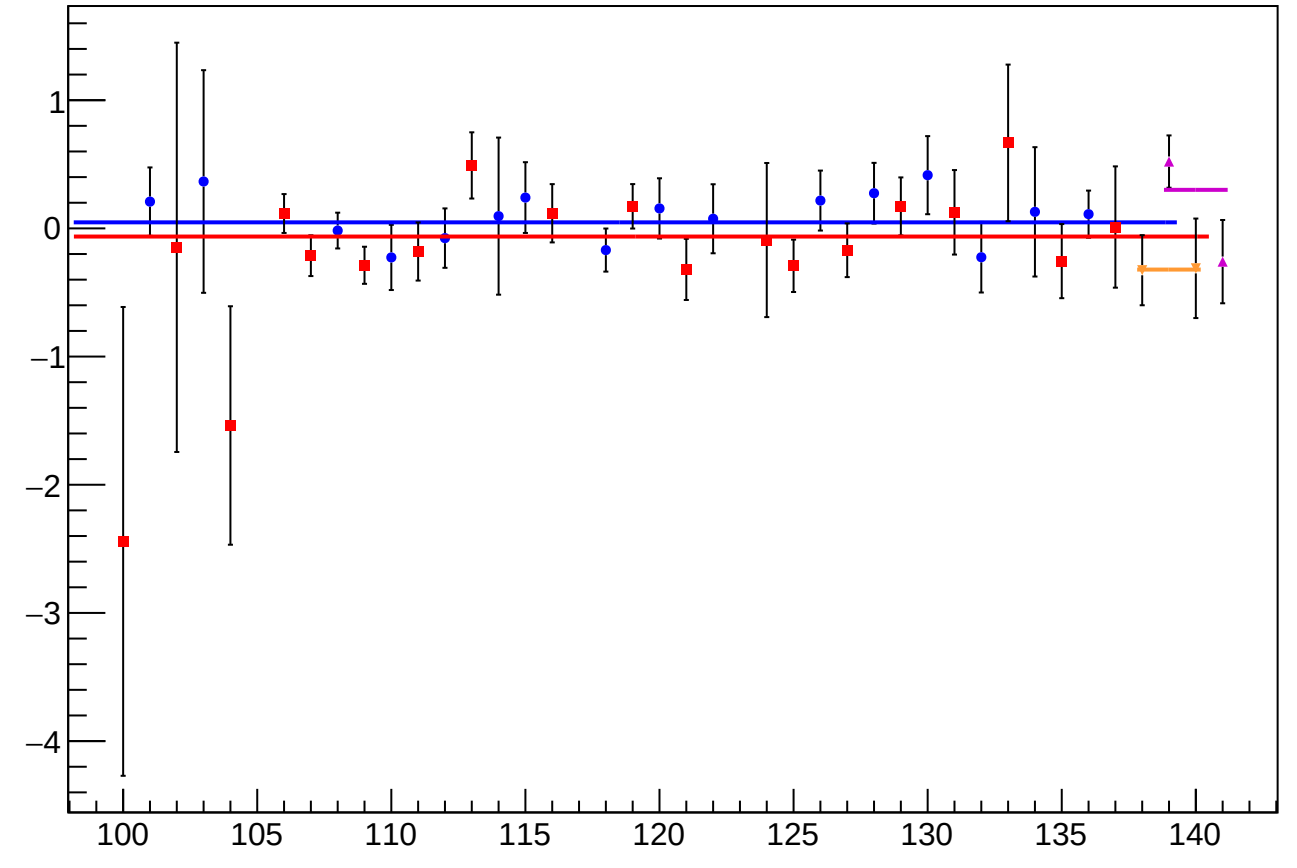
Left: 0.000+/-0.000 χ^2/NDF: 127323.8/3

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:1905439.9/17

Out: 0.000+/-0.000 χ^2/NDF:2406073.7/20

All: 0.000+/-0.000 χ^2/NDF: 4370430.1/38



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.321+/-0.224 χ^2/NDF:0.0/1

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.301+/-0.173 χ^2/NDF:4.1/1

Left: 0.068+/-0.137 χ^2/NDF: 9.0/3

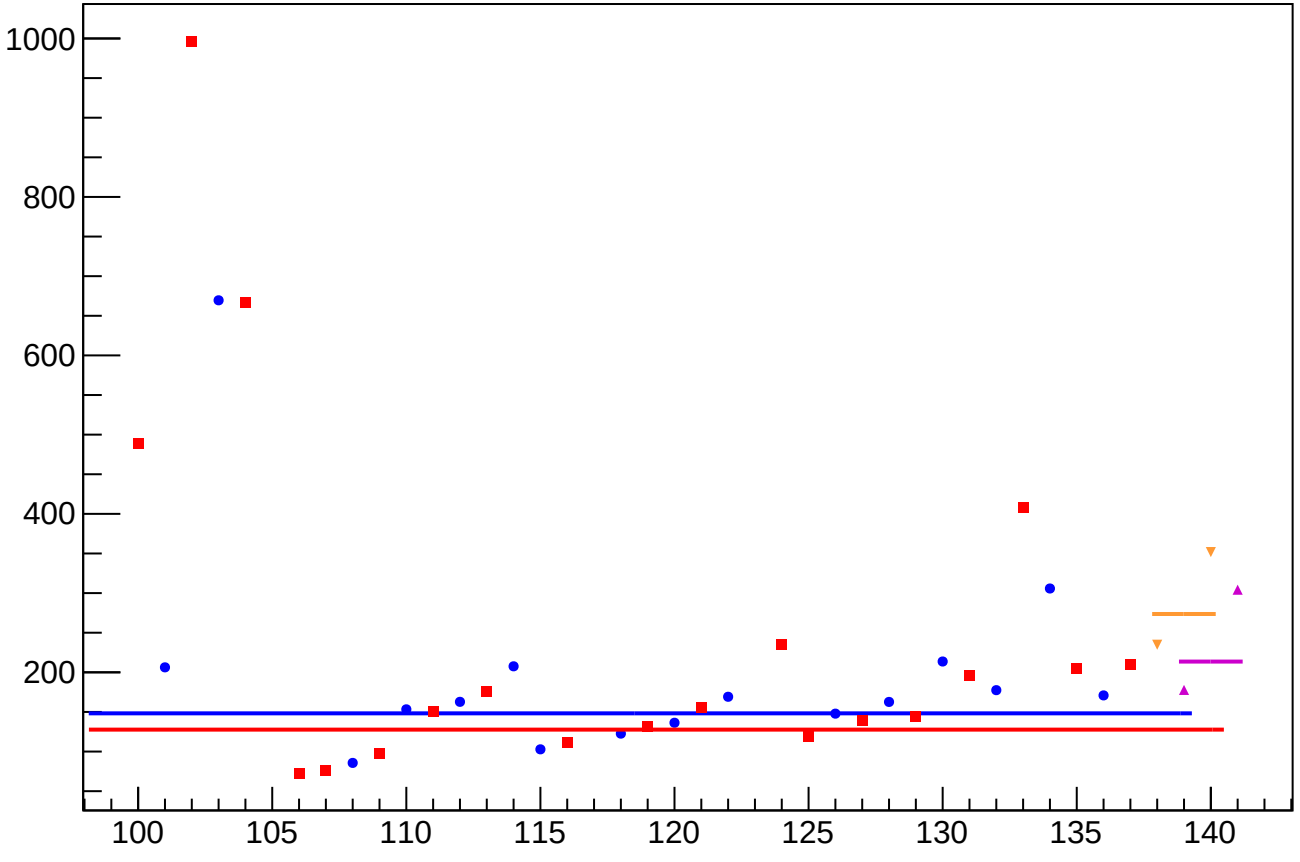
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.074+/-0.057 χ^2/NDF:14.6/17

Out: -0.078+/-0.053 χ^2/NDF:23.5/20

All: -0.007+/-0.039 χ^2/NDF: 42.0/38

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.625+/-0.158 χ^2/NDF:121273.7/1

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 213.564+/-0.122 χ^2/NDF:217379.2/1

Left: 236.014+/-0.097 χ^2/NDF: 429035.9/3

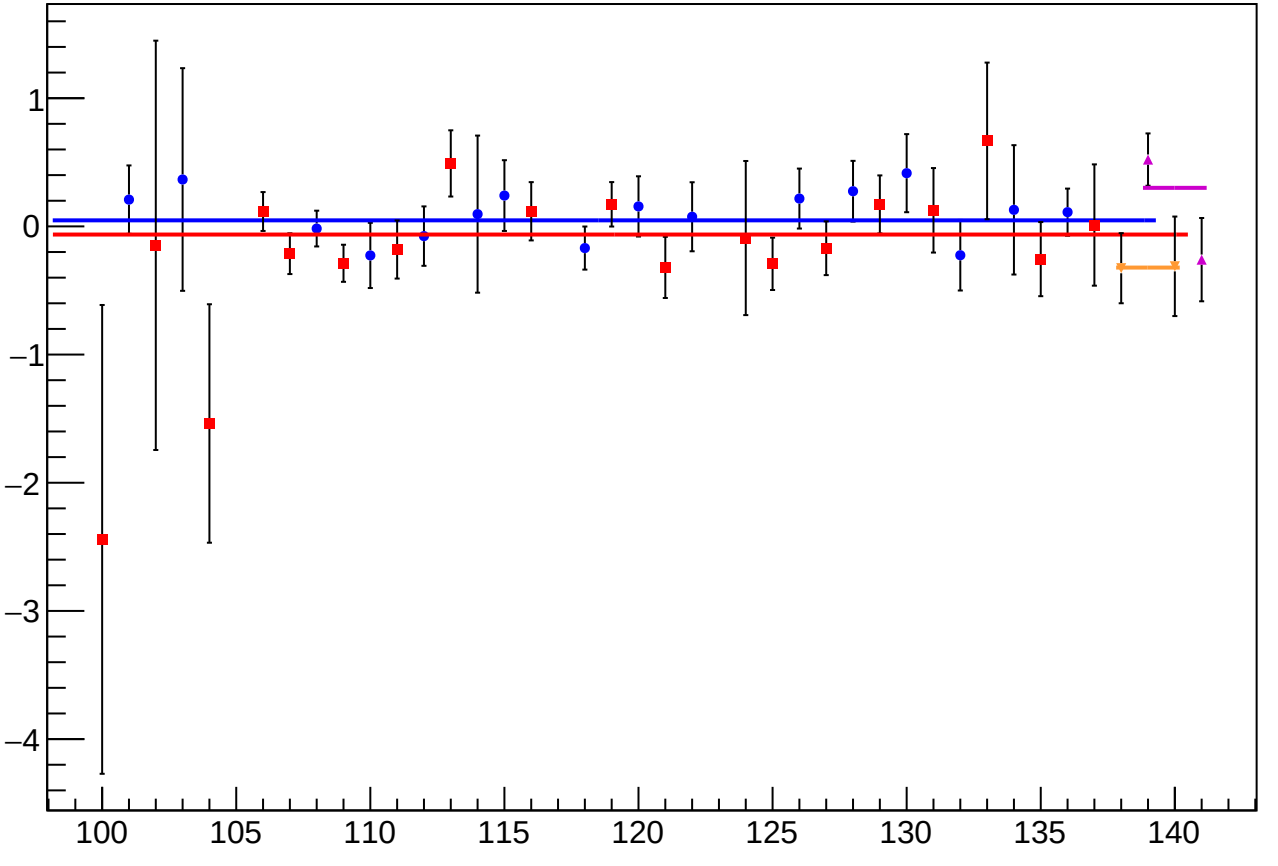
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 155.279+/-0.040 χ^2/NDF:2182626.4/17

Out: 135.918+/-0.038 χ^2/NDF:3767152.8/20

All: 144.965+/-0.027 χ^2/NDF: 6074006.6/38

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.321+/-0.224 χ^2/NDF:0.0/1

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.301+/-0.173 χ^2/NDF:4.1/1

Left: 0.068+/-0.137 χ^2/NDF: 9.0/3

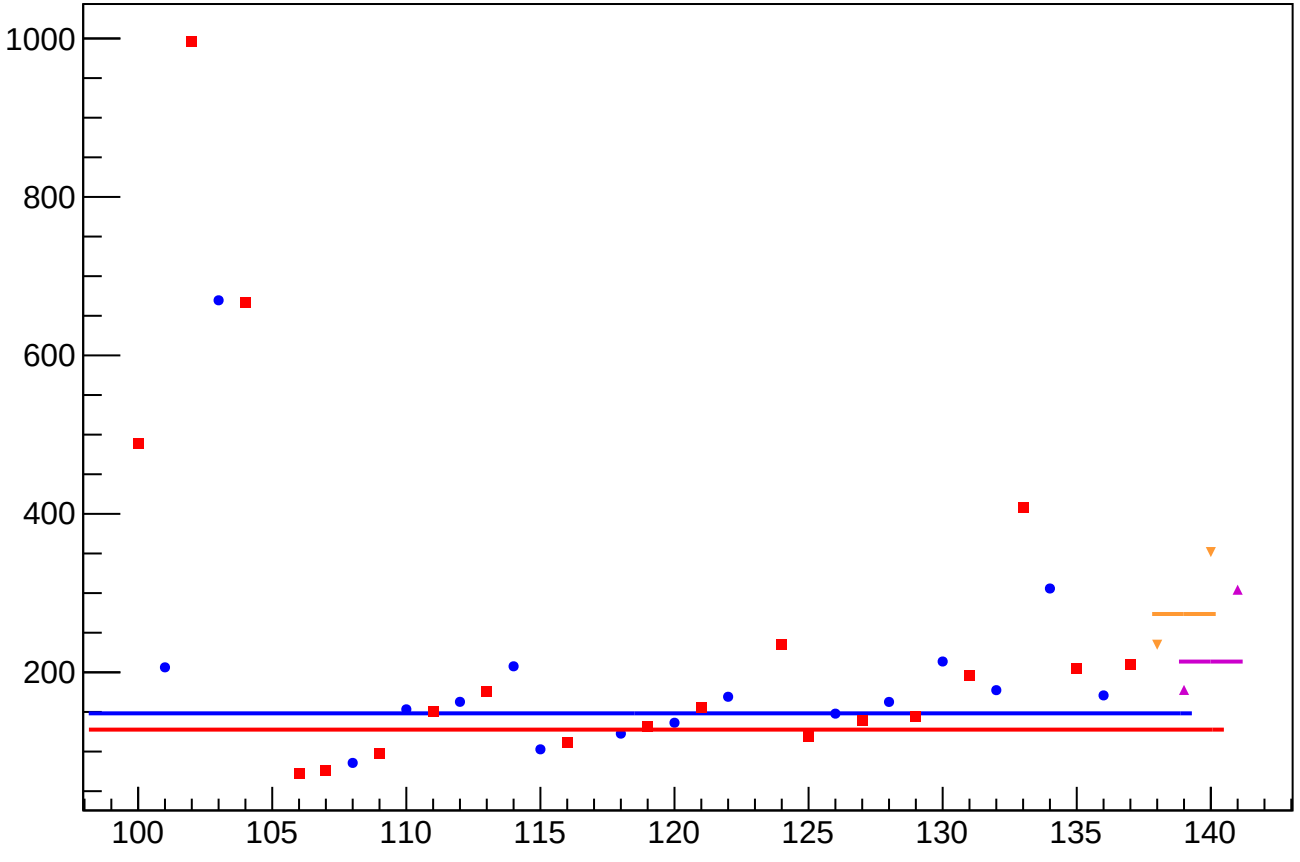
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.074+/-0.057 χ^2/NDF:14.6/17

Out: -0.078+/-0.053 χ^2/NDF:23.5/20

All: -0.007+/-0.039 χ^2/NDF: 42.0/38

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.625+/-0.158 χ^2/NDF:121273.7/1

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 213.564+/-0.122 χ^2/NDF:217379.2/1

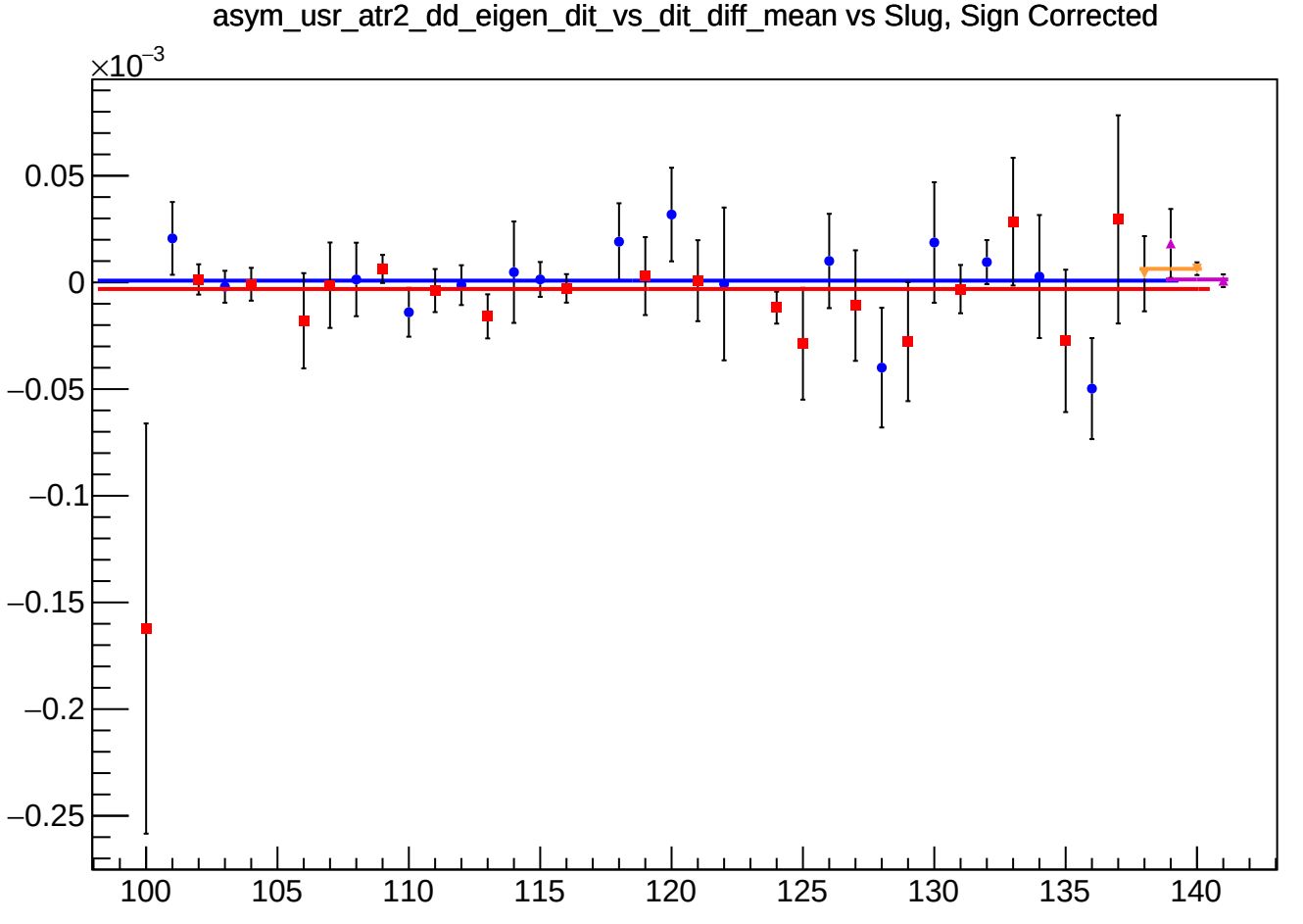
Left: 236.014+/-0.097 χ^2/NDF: 429035.9/3

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 155.279+/-0.040 χ^2/NDF:2182626.4/17

Out: 135.918+/-0.038 χ^2/NDF:3767152.8/20

All: 144.965+/-0.027 χ^2/NDF: 6074006.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/1

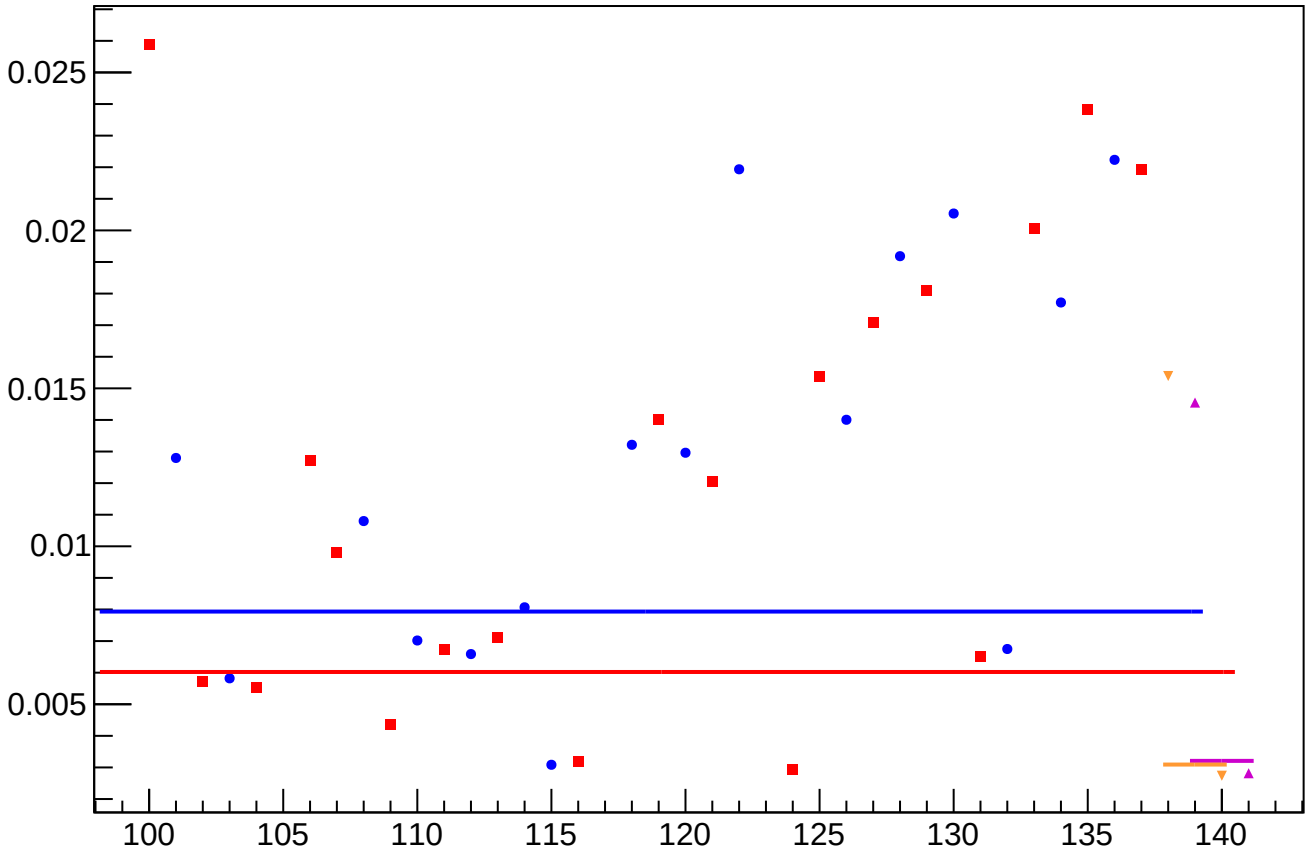
Left: 0.000+/-0.000 χ^2/NDF: 2.6/3

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:15.4/17

Out: 0.000+/-0.000 χ^2/NDF:18.4/20

All: 0.000+/-0.000 χ^2/NDF: 33.8/38



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.003+/-0.000 χ^2/NDF:1001805.8/1

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.003+/-0.000 χ^2/NDF:1019135.3/1

Left: 0.003+/-0.000 χ^2/NDF: 2022503.7/3

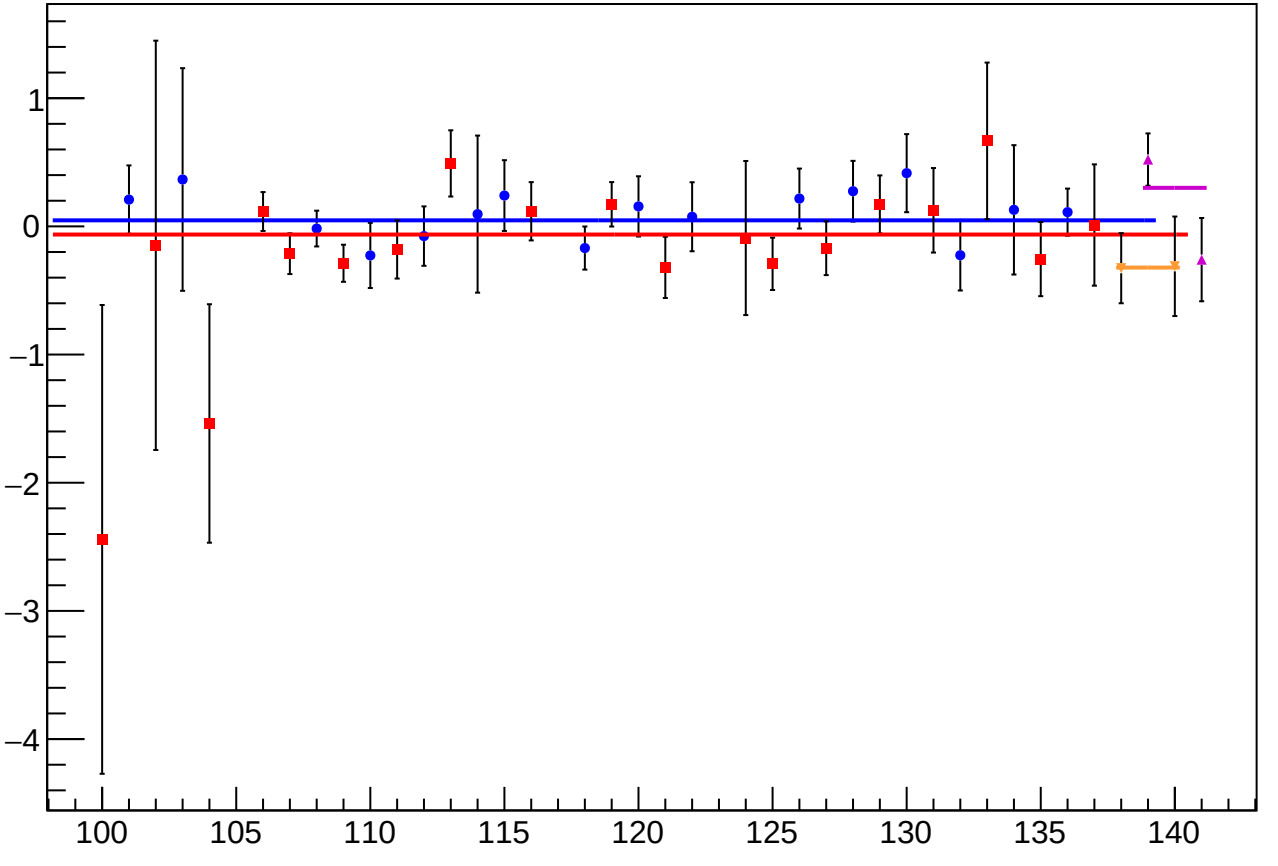
Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.005+/-0.000 χ^2/NDF:6756741.5/17

Out: 0.005+/-0.000 χ^2/NDF:6110781.4/20

All: 0.005+/-0.000 χ^2/NDF: 12918577.8/38

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.321+/-0.224 χ^2/NDF:0.0/1

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.301+/-0.173 χ^2/NDF:4.1/1

Left: 0.068+/-0.137 χ^2/NDF: 9.0/3

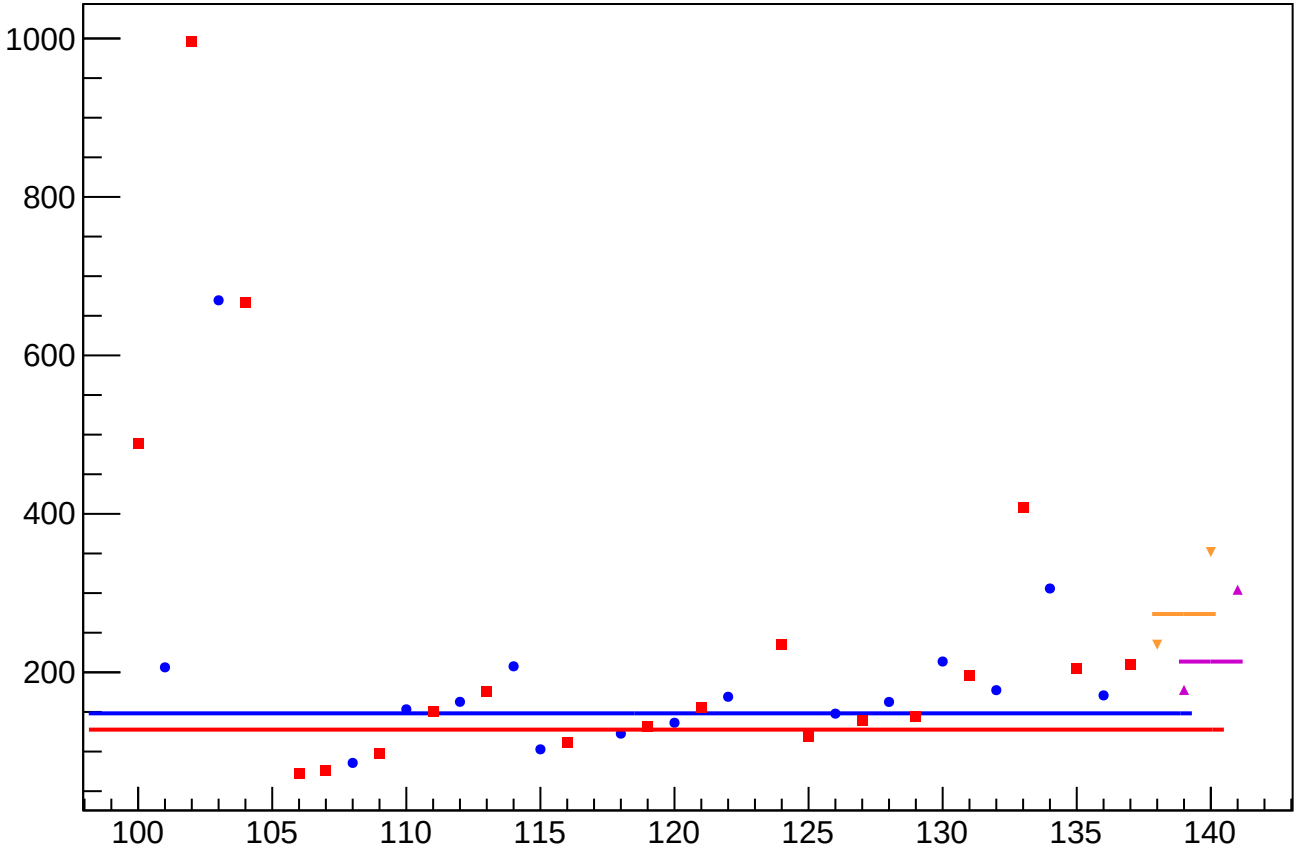
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.074+/-0.057 χ^2/NDF:14.6/17

Out: -0.078+/-0.053 χ^2/NDF:23.5/20

All: -0.007+/-0.039 χ^2/NDF: 42.0/38

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.629+/-0.158 χ^2/NDF:121259.0/1

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 213.567+/-0.122 χ^2/NDF:217362.6/1

Left: 236.017+/-0.097 χ^2/NDF: 429006.4/3

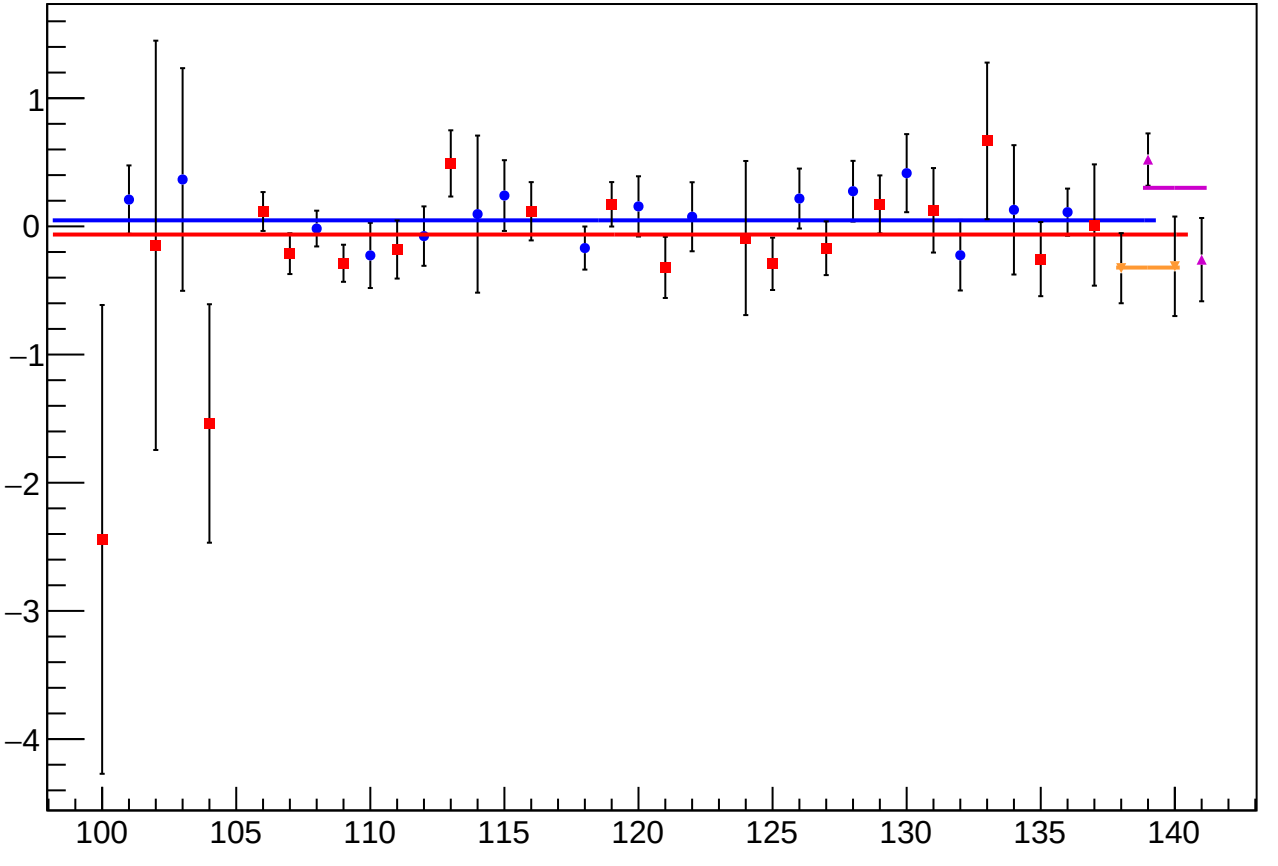
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 155.277+/-0.040 χ^2/NDF:2182724.0/17

Out: 135.918+/-0.038 χ^2/NDF:3767154.4/20

All: 144.964+/-0.027 χ^2/NDF: 6074077.8/38

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.321+/-0.224 χ^2/NDF:0.0/1

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.301+/-0.173 χ^2/NDF:4.1/1

Left: 0.068+/-0.137 χ^2/NDF: 9.0/3

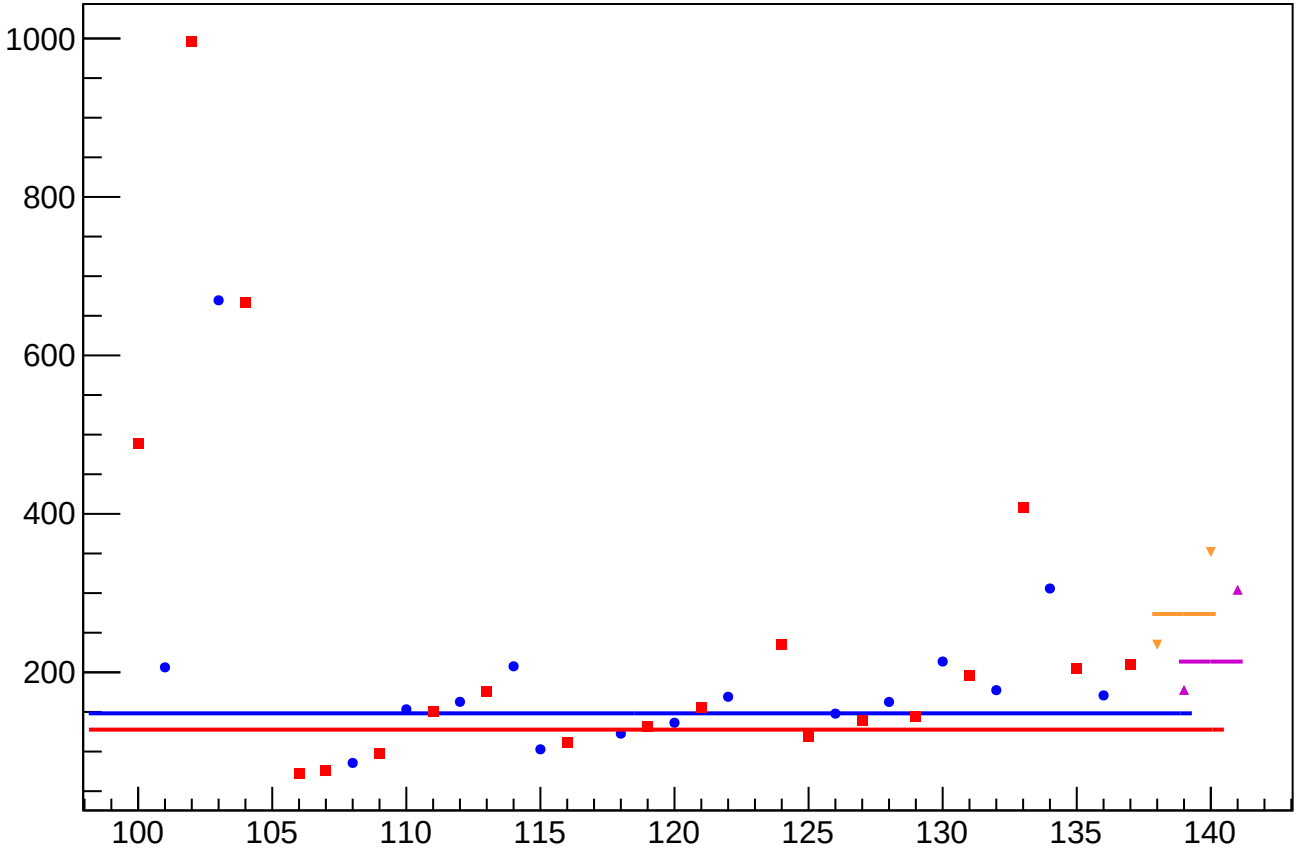
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.074+/-0.057 χ^2/NDF:14.6/17

Out: -0.078+/-0.053 χ^2/NDF:23.5/20

All: -0.007+/-0.039 χ^2/NDF: 42.0/38

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.629+/-0.158 χ^2/NDF:121259.0/1

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 213.567+/-0.122 χ^2/NDF:217362.6/1

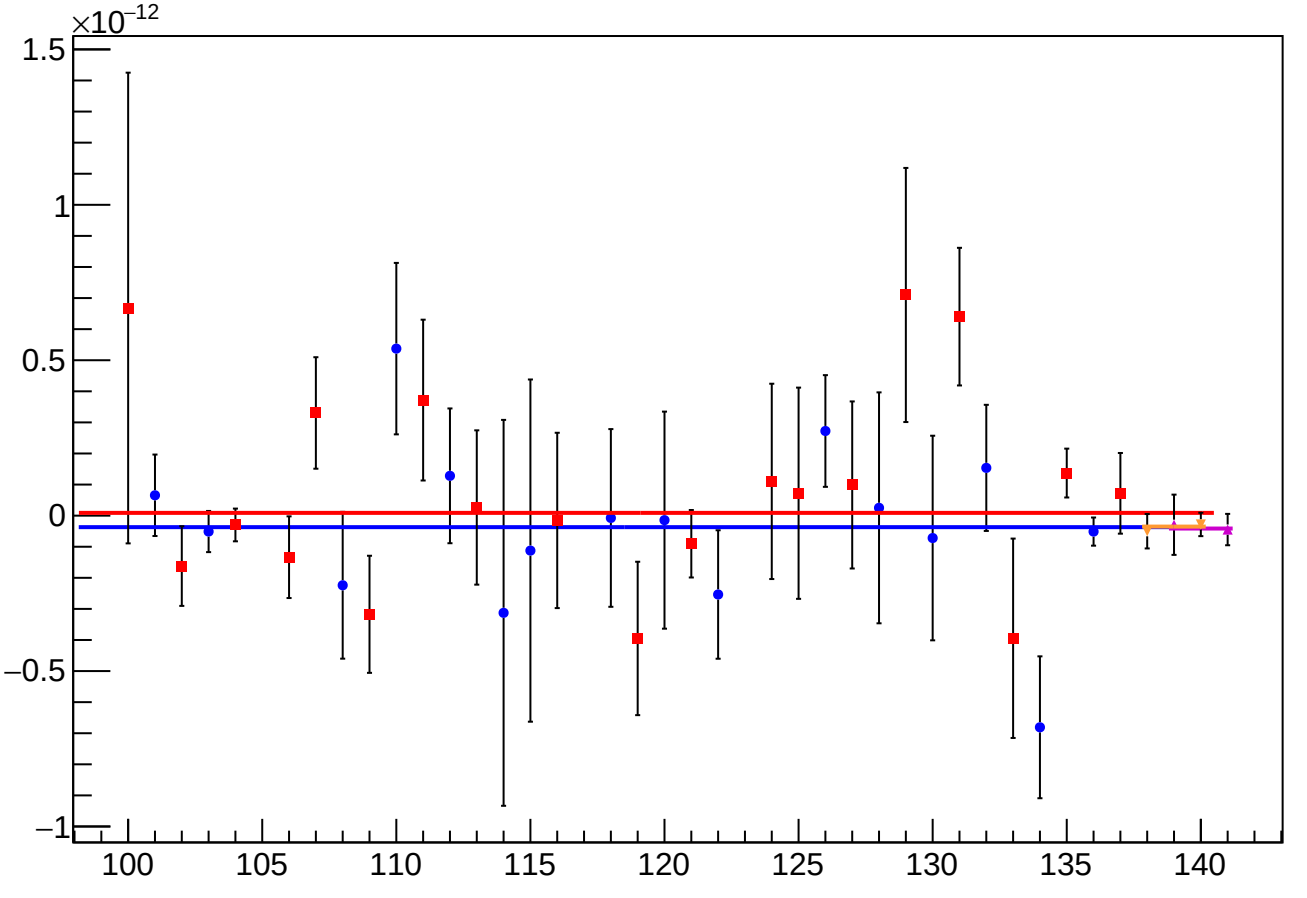
Left: 236.017+/-0.097 χ^2/NDF: 429006.4/3

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 155.277+/-0.040 χ^2/NDF:2182724.0/17

Out: 135.918+/-0.038 χ^2/NDF:3767154.4/20

All: 144.964+/-0.027 χ^2/NDF: 6074077.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

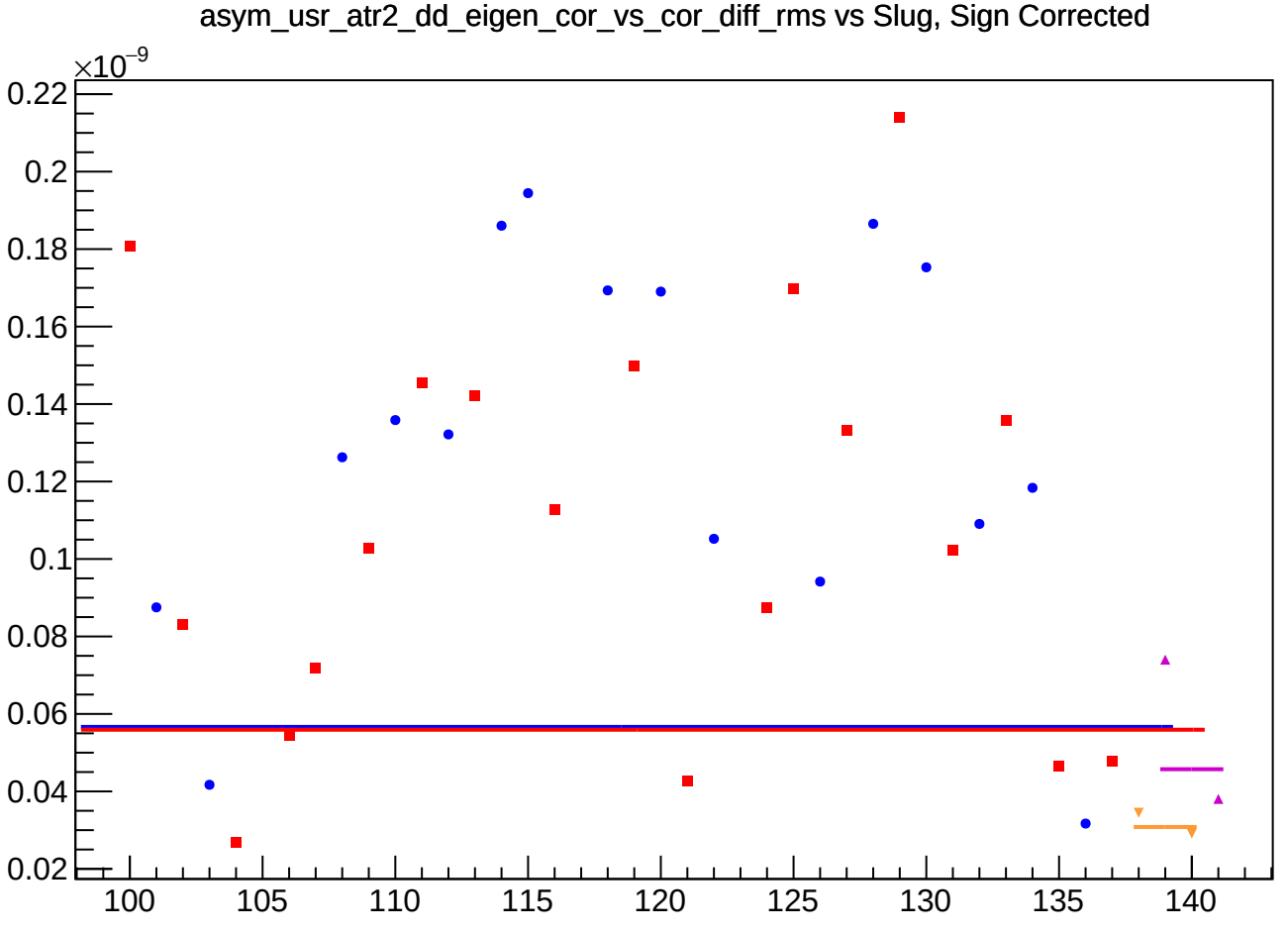
Left: -0.000+/-0.000 χ^2/NDF: 0.1/3

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:19.5/17

Out: -0.000+/-0.000 χ^2/NDF:32.9/20

All: -0.000+/-0.000 χ^2/NDF: 52.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12795.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:216583.6/1

Left: 0.000+/-0.000 χ^2/NDF: 379149.5/3

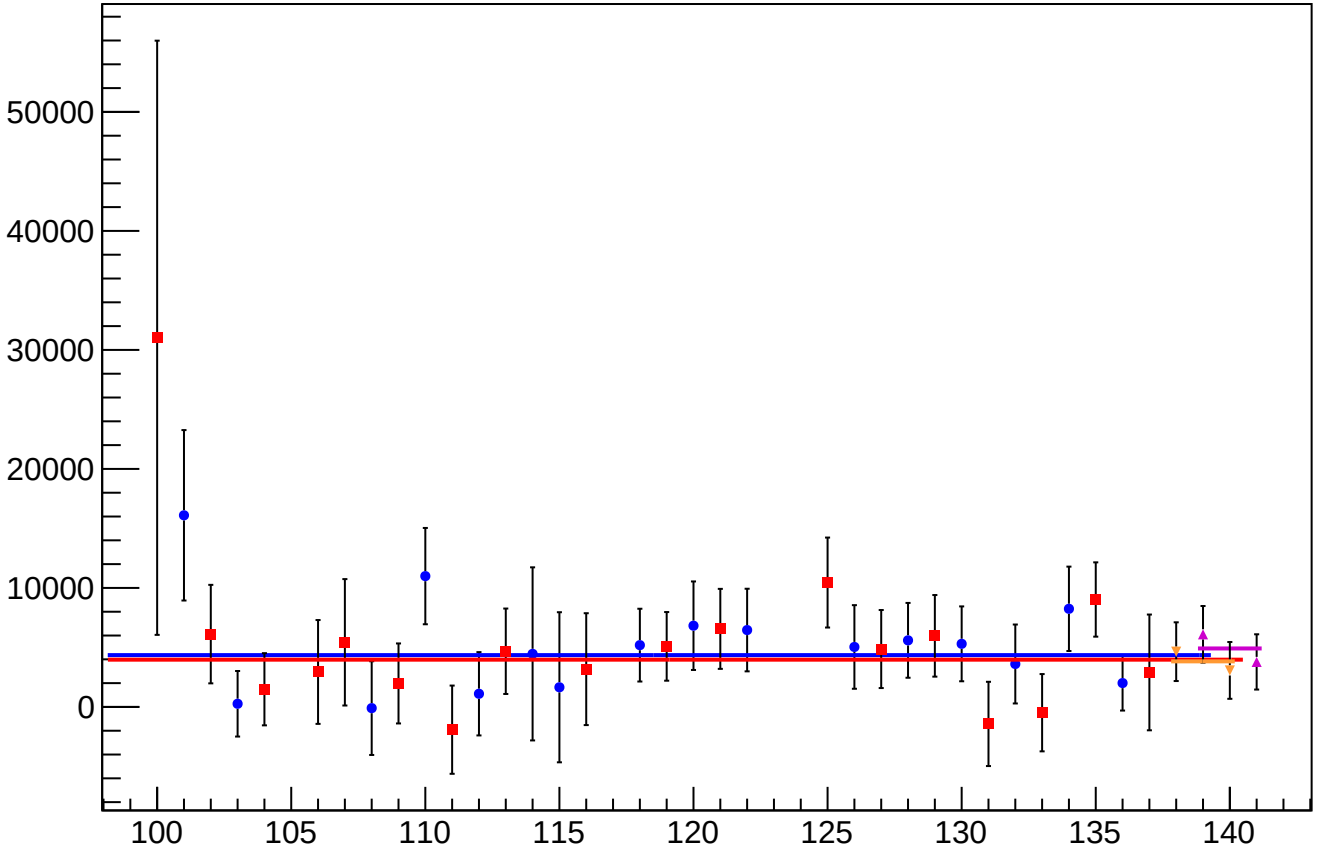
Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3408343.1/17

Out: 0.000+/-0.000 χ^2/NDF:3378496.1/20

All: 0.000+/-0.000 χ^2/NDF: 6953532.4/38

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3829.958+/-1715.254 χ^2/NDF:0.2/1

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4913.579+/-1661.827 χ^2/NDF:0.5/1

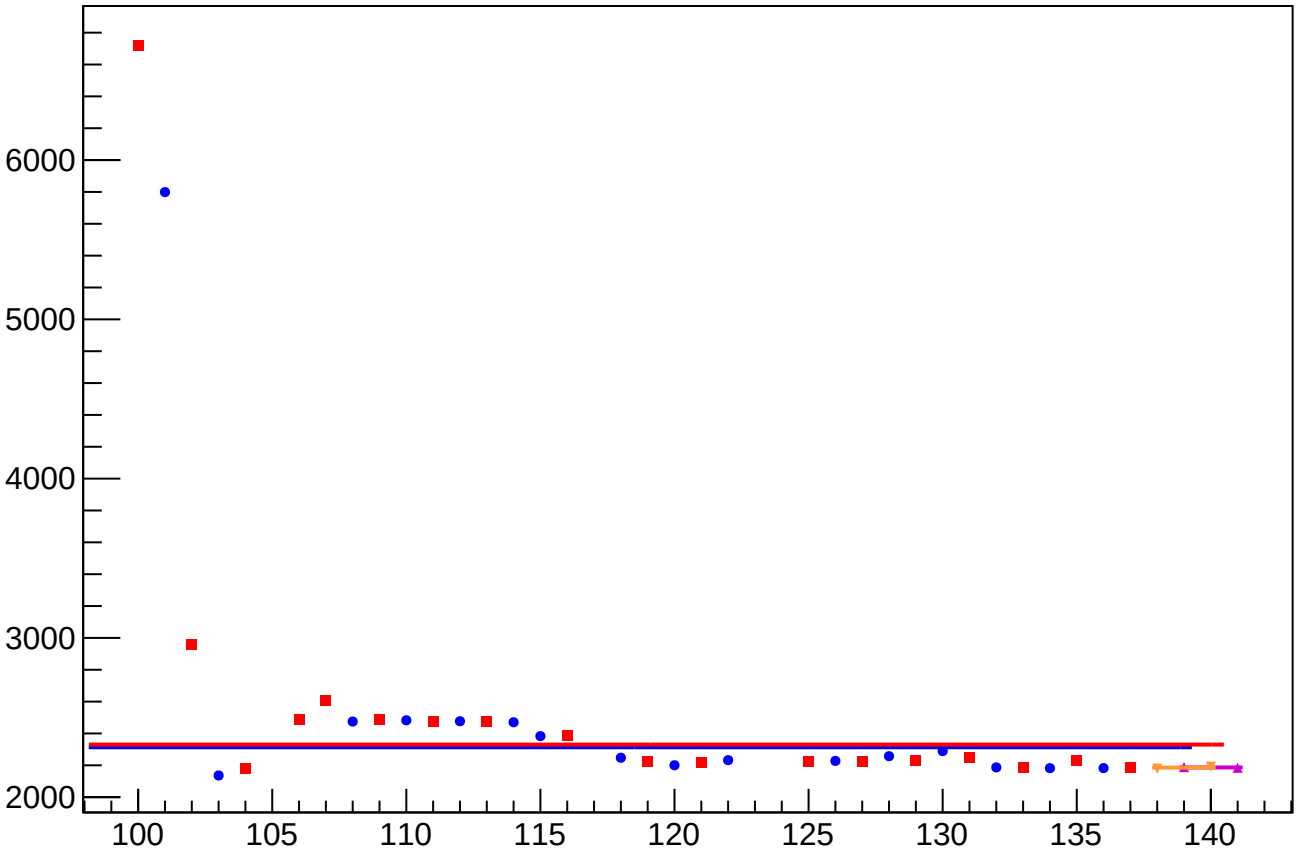
Left: 4388.907+/-1193.530 χ^2/NDF: 0.9/3

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4475.768+/-774.343 χ^2/NDF:13.9/17

Out: 3942.611+/-776.825 χ^2/NDF:16.4/19

All: 4210.043+/-548.419 χ^2/NDF: 30.6/37



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2185.521+/-1.213 χ^2/NDF:24.9/1

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2186.585+/-1.175 χ^2/NDF:2.9/1

Left: 2186.070+/-0.844 χ^2/NDF: 28.2/3

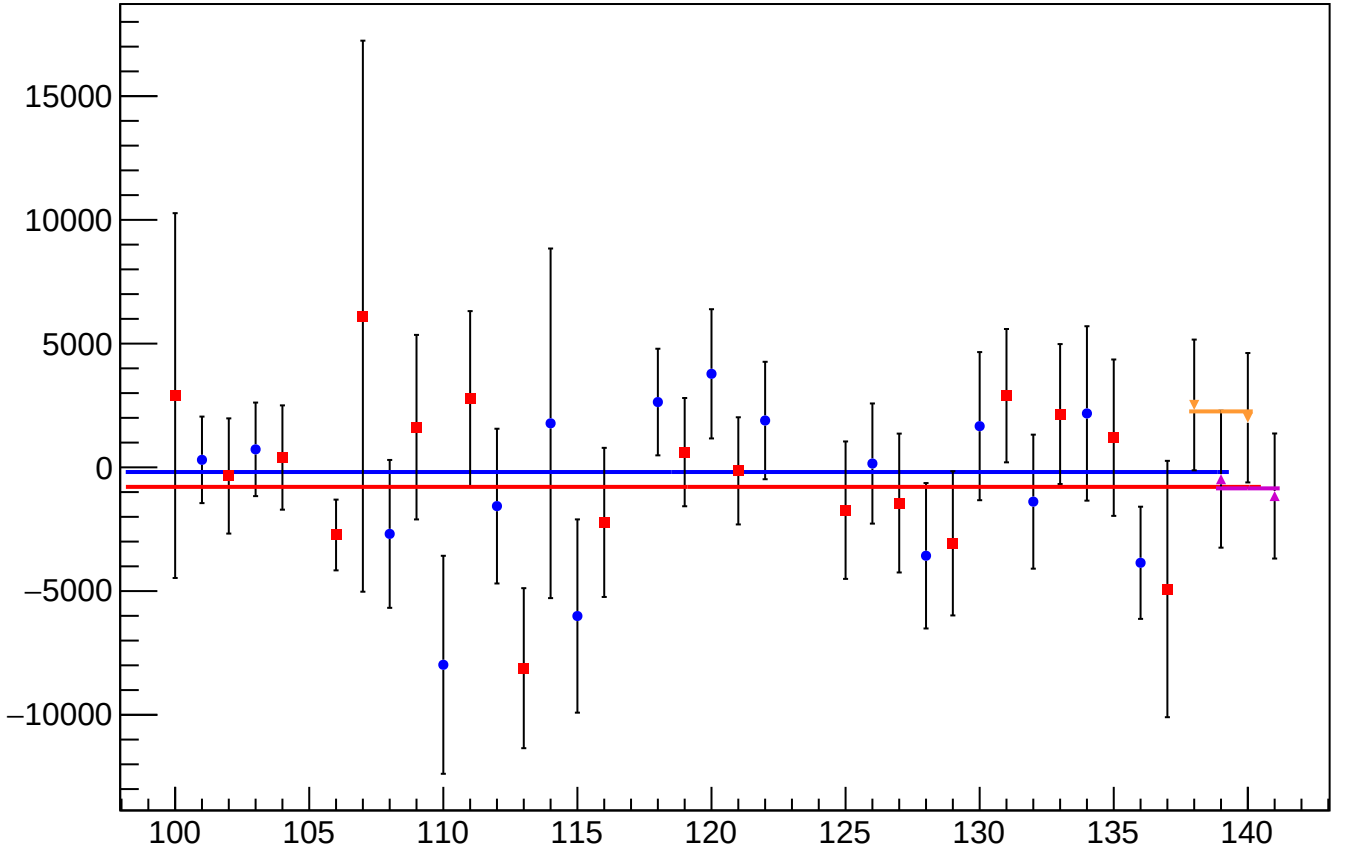
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2285.877+/-0.548 χ^2/NDF:521494.6/17

Out: 2300.525+/-0.549 χ^2/NDF:162546.2/19

All: 2293.177+/-0.388 χ^2/NDF: 684397.5/37

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 2260.684+/-1857.949 χ^2/NDF:0.0/1

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -849.306+/-1865.800 χ^2/NDF:0.0/1

Left: 712.246+/-1316.535 χ^2/NDF: 1.4/3

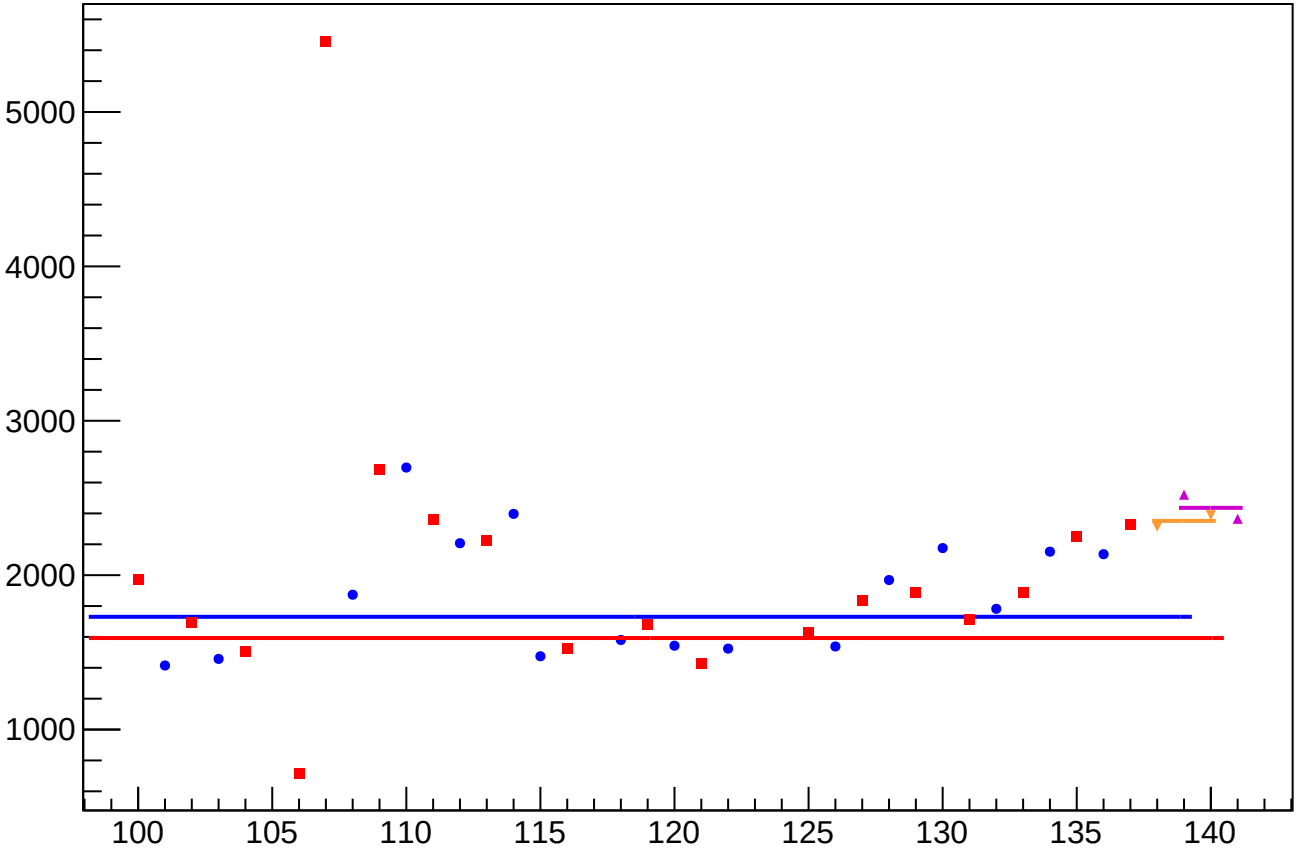
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -261.802+/-620.822 χ^2/NDF:16.6/17

Out: -470.400+/-600.790 χ^2/NDF:17.3/19

All: -369.521+/-431.731 χ^2/NDF: 34.0/37

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 2351.547+/-1.314 χ^2/NDF:807.4/1

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 2436.140+/-1.319 χ^2/NDF:3471.0/1

Left: 2393.665+/-0.931 χ^2/NDF: 6342.7/3

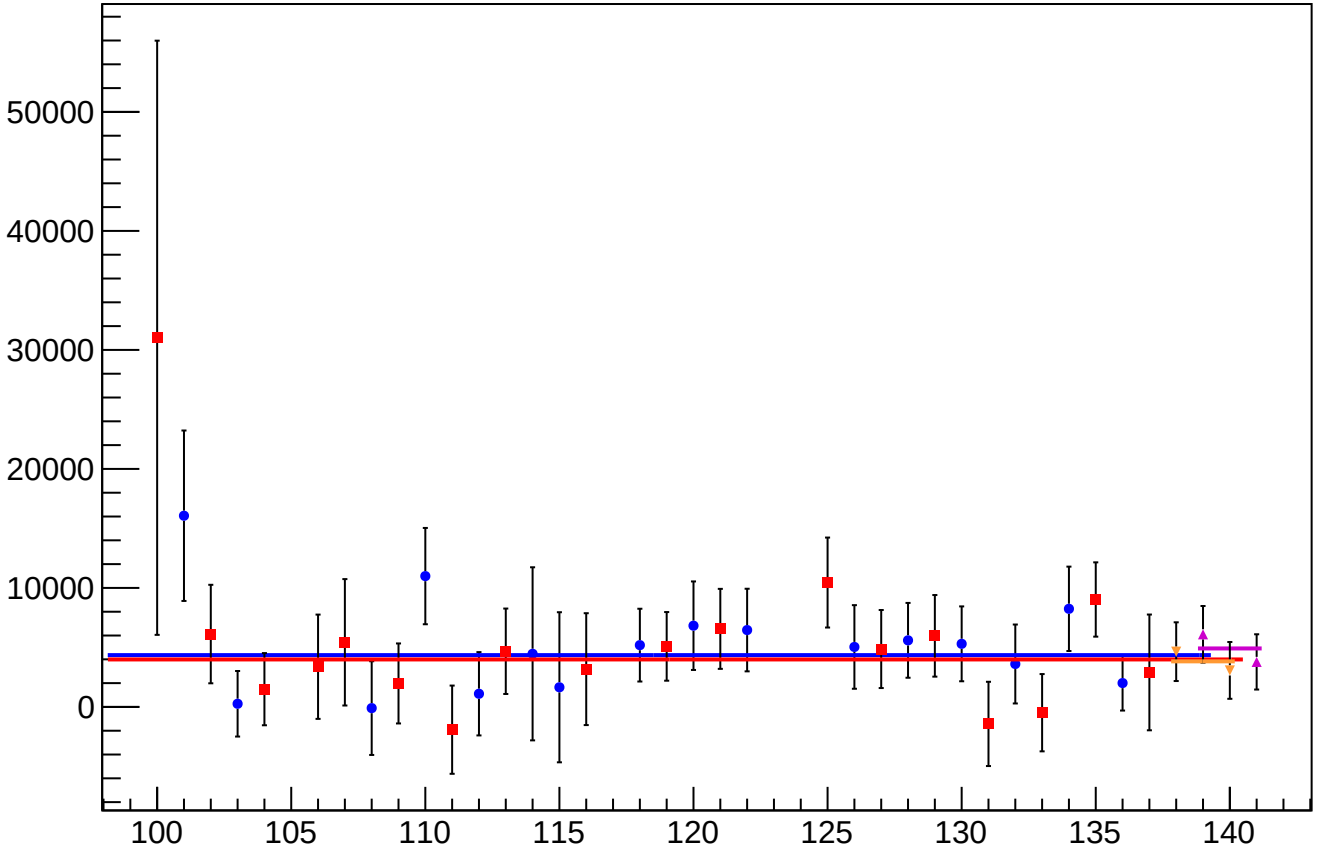
Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1808.436+/-0.439 χ^2/NDF:736950.6/17

Out: 1672.158+/-0.425 χ^2/NDF:1855663.0/19

All: 1738.063+/-0.305 χ^2/NDF: 2642378.4/37

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3830.068+/-1715.254 χ^2/NDF:0.2/1

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4914.143+/-1661.827 χ^2/NDF:0.5/1

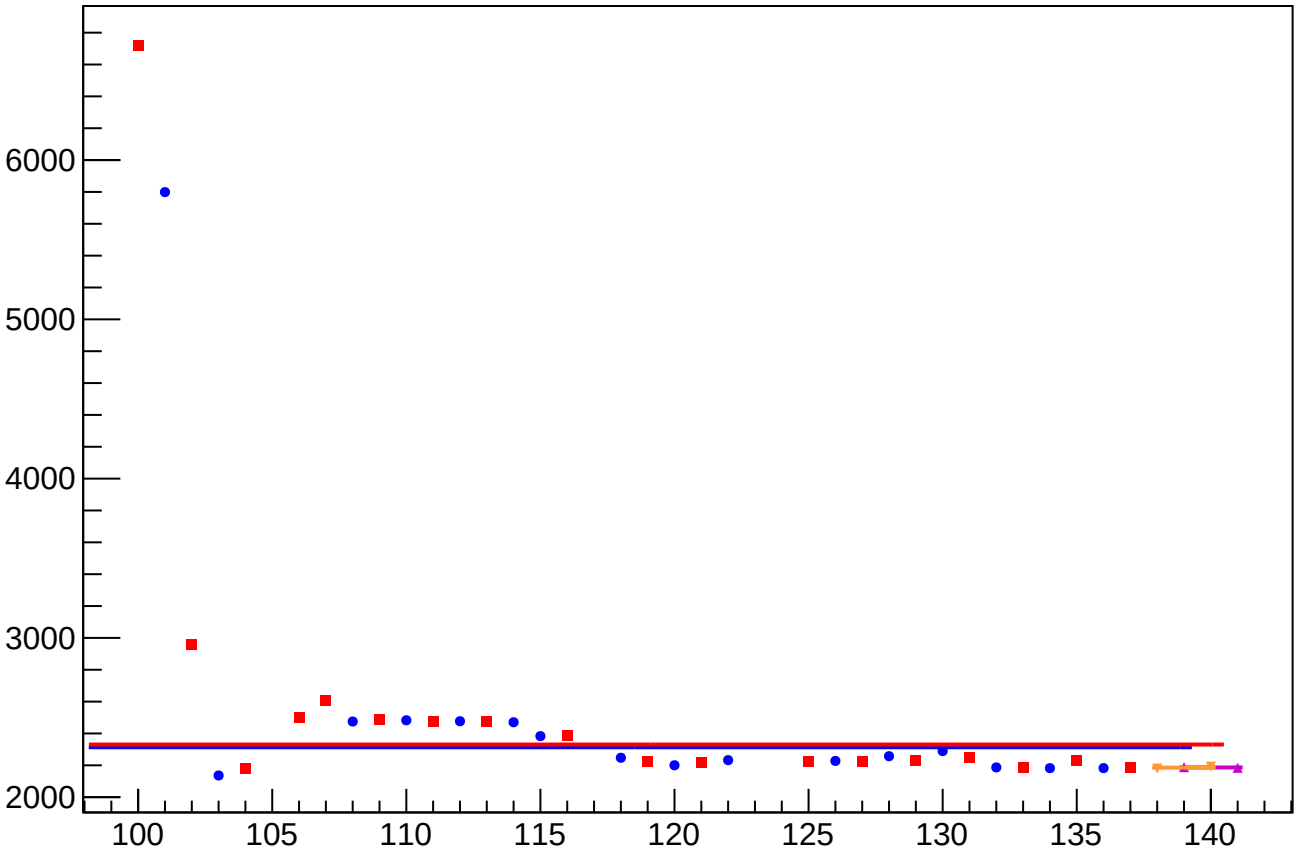
Left: 4389.252+/-1193.530 χ^2/NDF: 0.9/3

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4475.359+/-774.343 χ^2/NDF:13.9/17

Out: 3957.095+/-776.932 χ^2/NDF:16.3/19

All: 4217.092+/-548.456 χ^2/NDF: 30.5/37



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.521+/-1.213 χ^2/NDF:24.9/1

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.585+/-1.175 χ^2/NDF:2.9/1

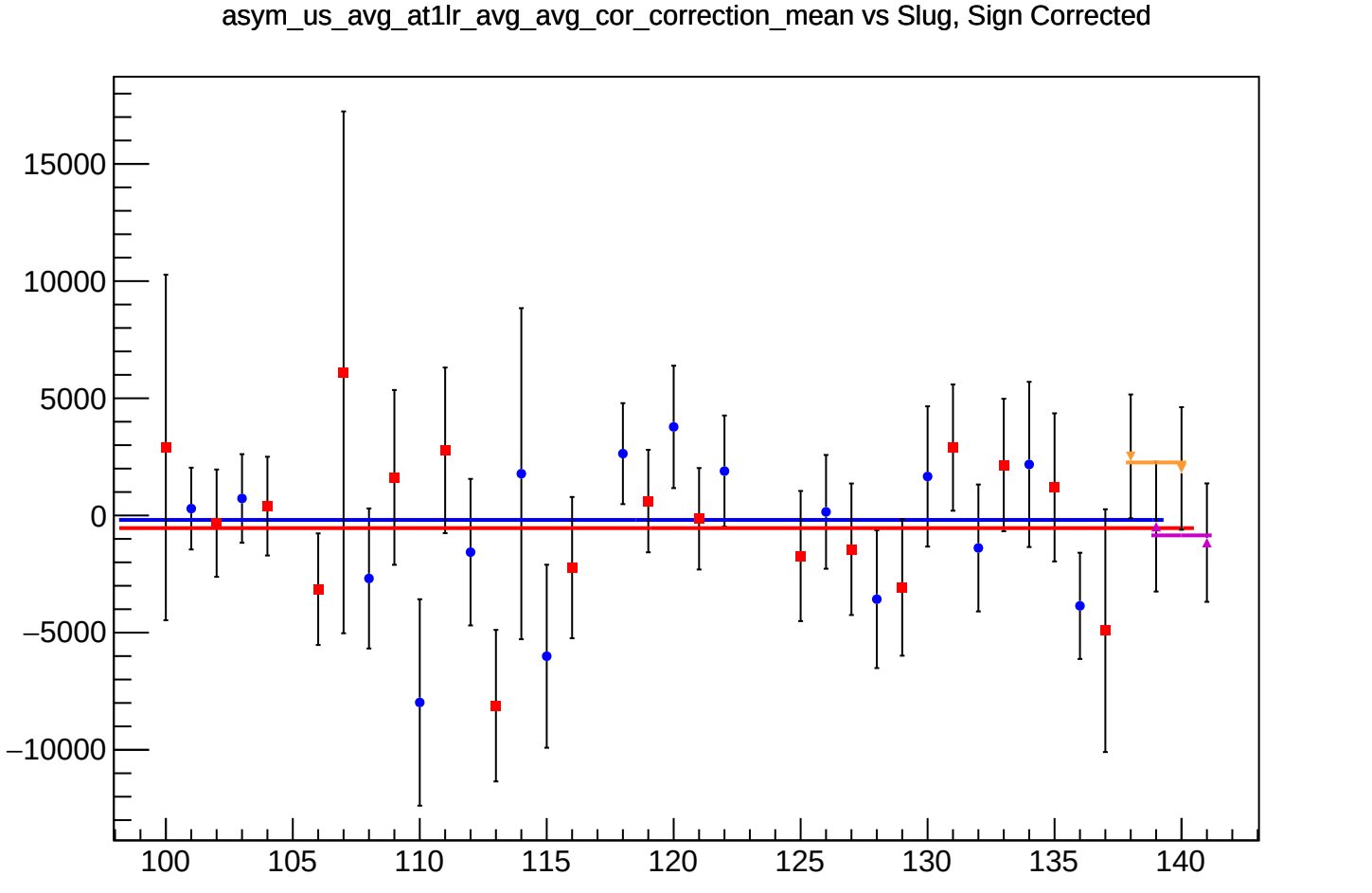
Left: 2186.070+/-0.844 χ^2/NDF: 28.2/3

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

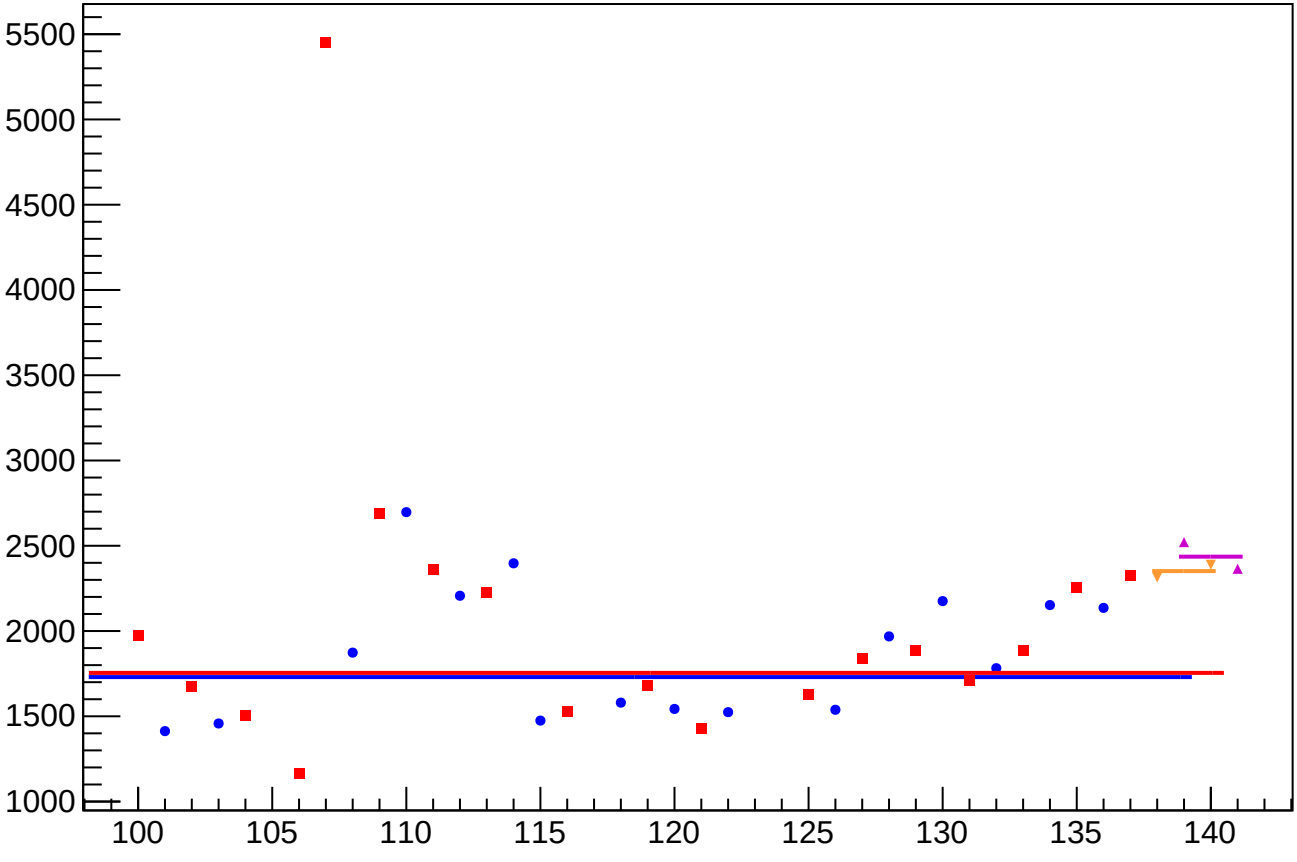
In: 2285.876+/-0.548 χ^2/NDF:521495.0/17

Out: 2300.811+/-0.549 χ^2/NDF:162949.3/19

All: 2293.319+/-0.388 χ^2/NDF: 684815.0/37


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 2260.848+/-1857.946 χ²/NDF:0.0/1
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -849.383+/-1865.803 χ²/NDF:0.0/1
Left: 712.295+/-1316.535 χ²/NDF: 1.4/3
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -262.766+/-620.714 χ²/NDF:16.6/17
Out: -210.243+/-637.095 χ²/NDF:15.9/19
All: -237.189+/-444.589 χ²/NDF: 32.5/37

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2351.542+/-1.314 χ^2/NDF:807.1/1

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2436.142+/-1.319 χ^2/NDF:3472.2/1

Left: 2393.663+/-0.931 χ^2/NDF: 6343.9/3

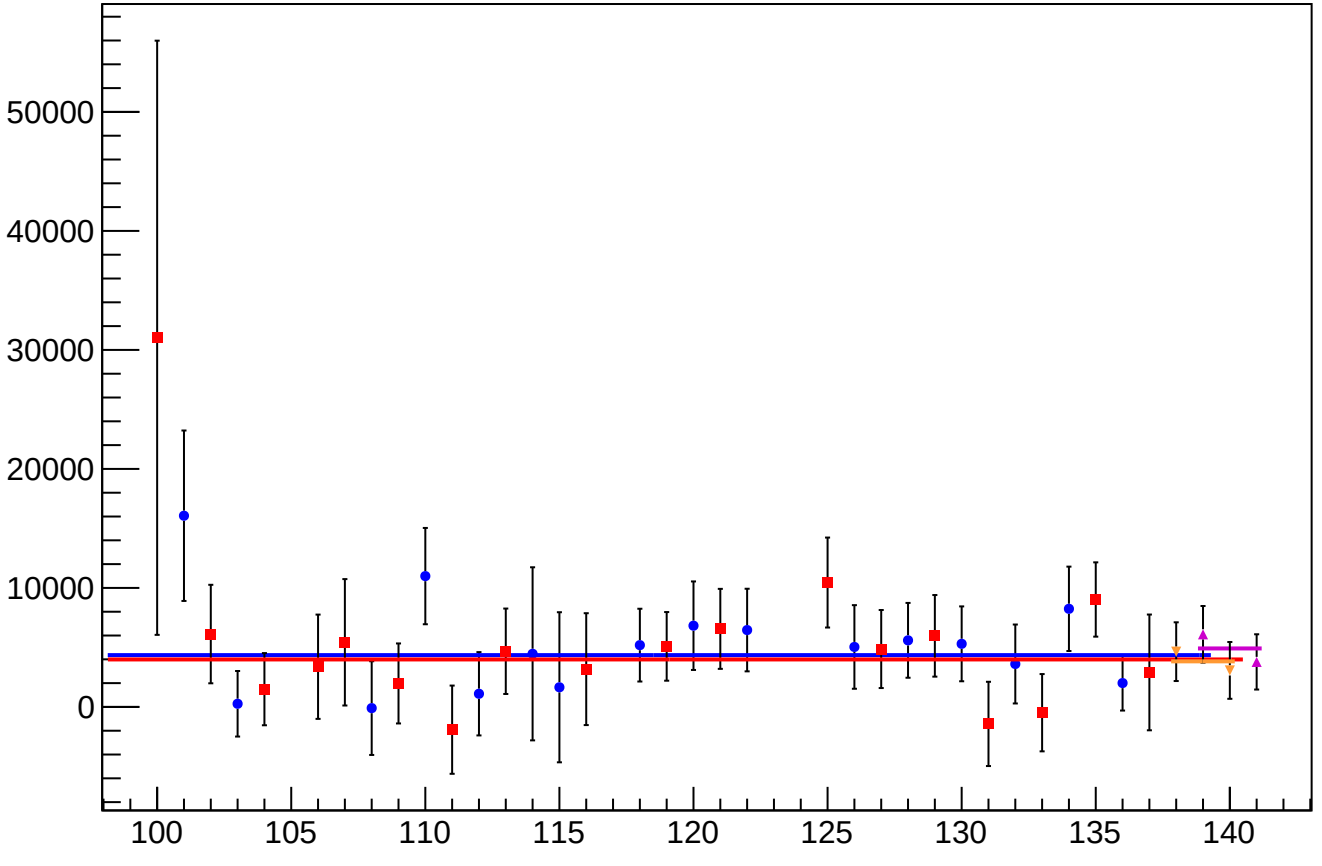
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1808.062+/-0.439 χ^2/NDF:738210.4/17

Out: 1824.725+/-0.450 χ^2/NDF:934042.7/19

All: 1816.176+/-0.314 χ^2/NDF: 1672955.1/37

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3830.068+/-1715.254 χ^2/NDF:0.2/1

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4914.143+/-1661.827 χ^2/NDF:0.5/1

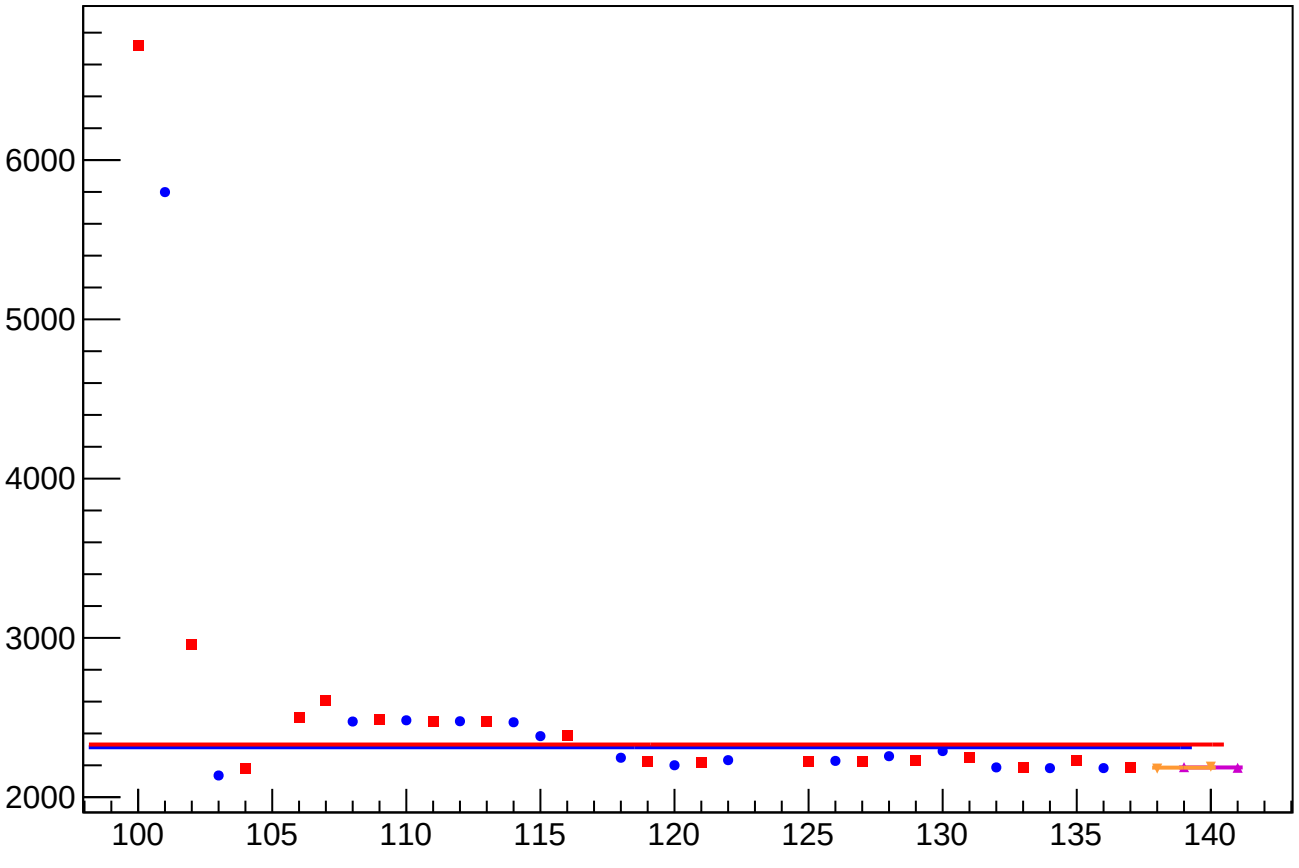
Left: 4389.252+/-1193.530 χ^2/NDF: 0.9/3

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4475.359+/-774.343 χ^2/NDF:13.9/17

Out: 3957.095+/-776.932 χ^2/NDF:16.3/19

All: 4217.092+/-548.456 χ^2/NDF: 30.5/37



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2185.521+/-1.213 χ^2/NDF:24.9/1

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.585+/-1.175 χ^2/NDF:2.9/1

Left: 2186.070+/-0.844 χ^2/NDF: 28.2/3

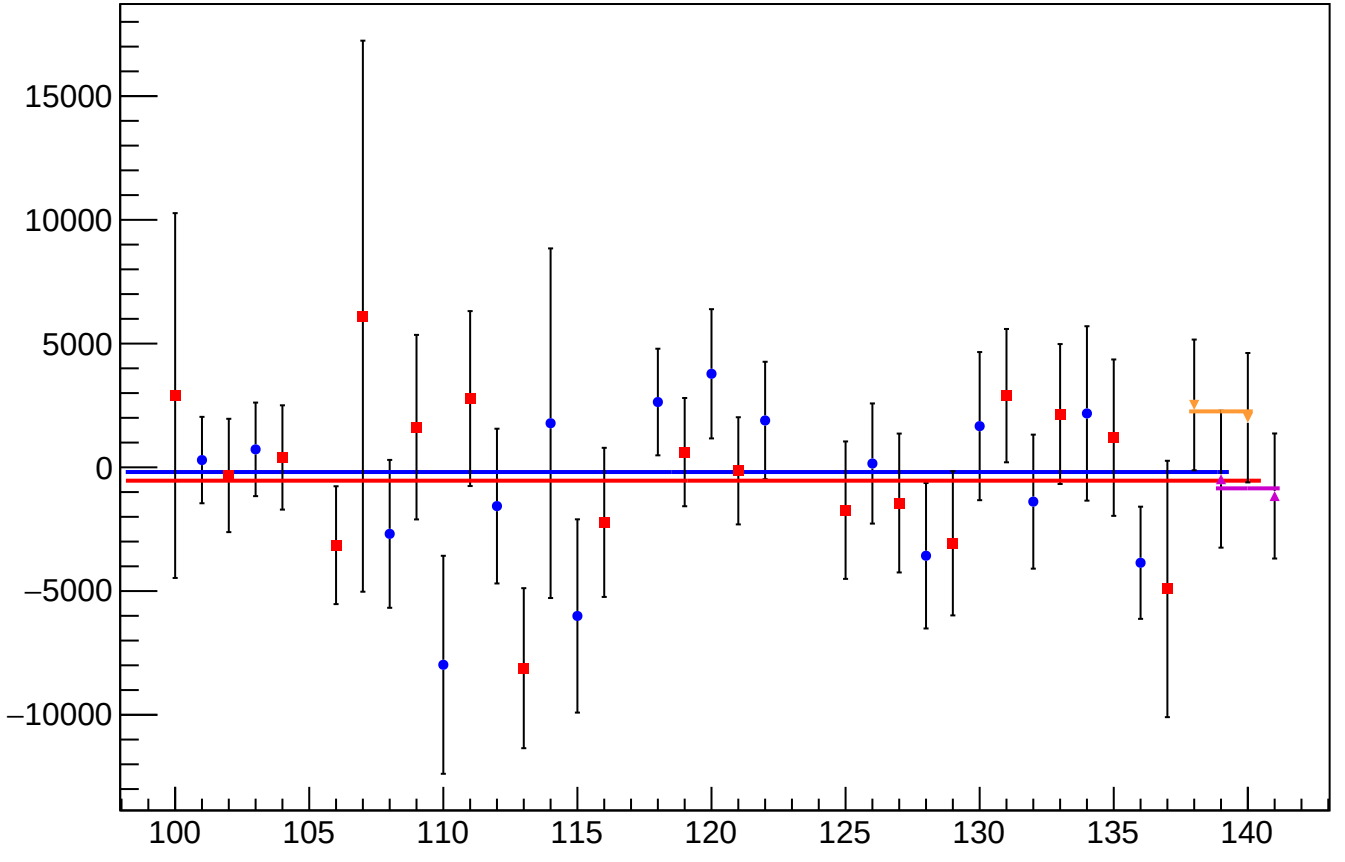
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2285.876+/-0.548 χ^2/NDF:521495.0/17

Out: 2300.811+/-0.549 χ^2/NDF:162949.3/19

All: 2293.319+/-0.388 χ^2/NDF: 684815.0/37

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 2260.848+/-1857.946 χ^2/NDF:0.0/1

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -849.383+/-1865.803 χ^2/NDF:0.0/1

Left: 712.295+/-1316.535 χ^2/NDF: 1.4/3

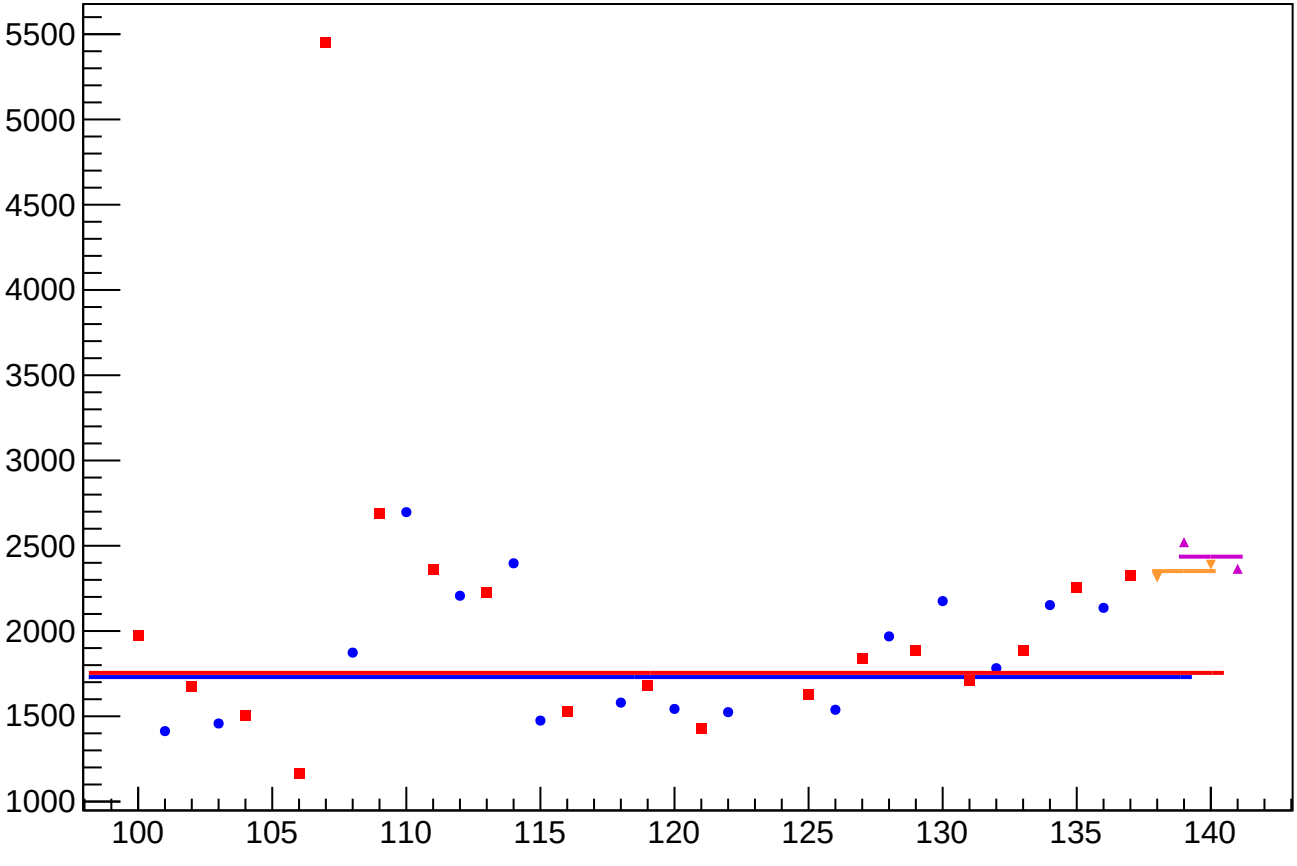
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -262.766+/-620.714 χ^2/NDF:16.6/17

Out: -210.243+/-637.095 χ^2/NDF:15.9/19

All: -237.189+/-444.589 χ^2/NDF: 32.5/37

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2351.542+/-1.314 χ^2/NDF:807.1/1

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2436.142+/-1.319 χ^2/NDF:3472.2/1

Left: 2393.663+/-0.931 χ^2/NDF: 6343.9/3

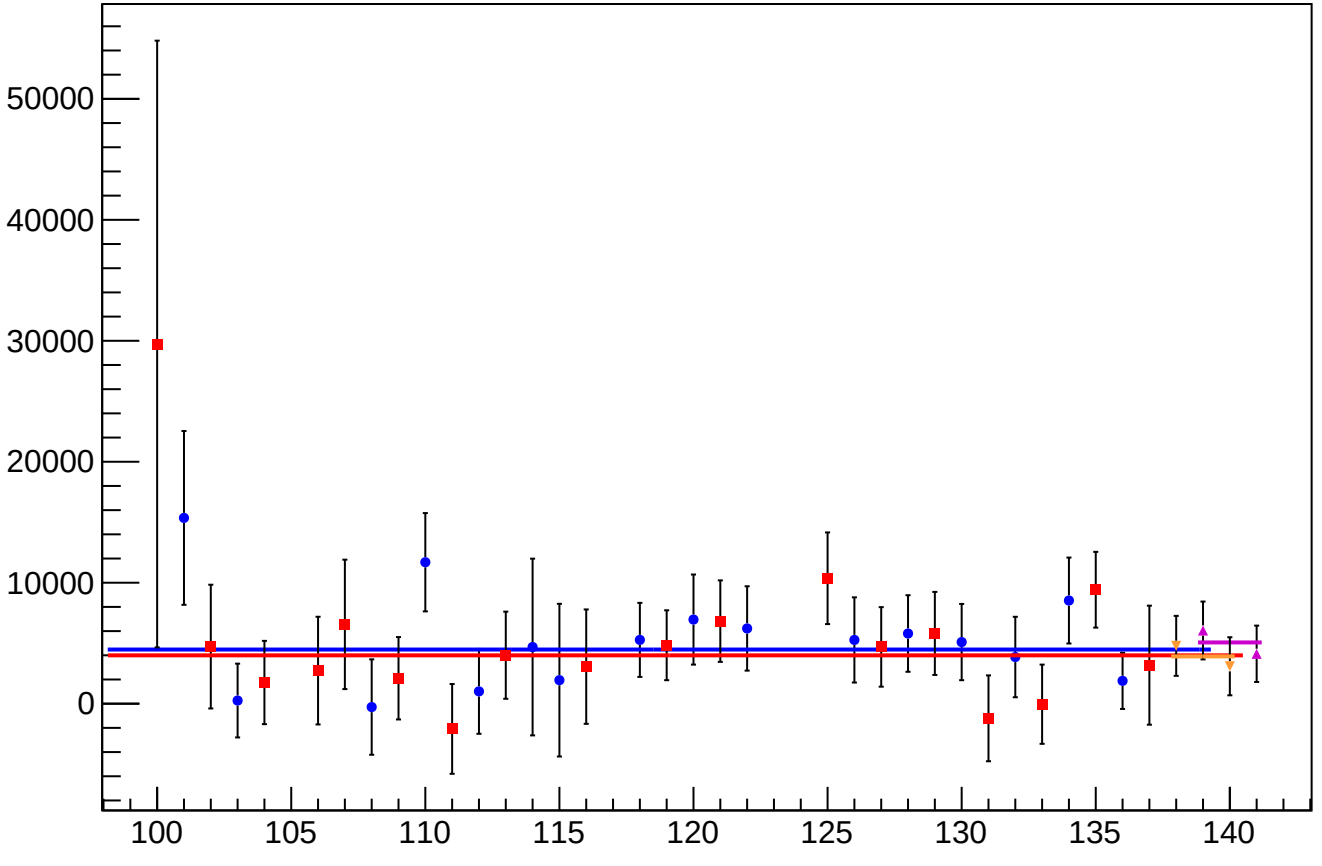
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1808.062+/-0.439 χ^2/NDF:738210.4/17

Out: 1824.725+/-0.450 χ^2/NDF:934042.7/19

All: 1816.176+/-0.314 χ^2/NDF: 1672955.1/37

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3908.547+/-1724.225 χ^2/NDF:0.2/1

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 5062.663+/-1668.505 χ^2/NDF:0.3/1

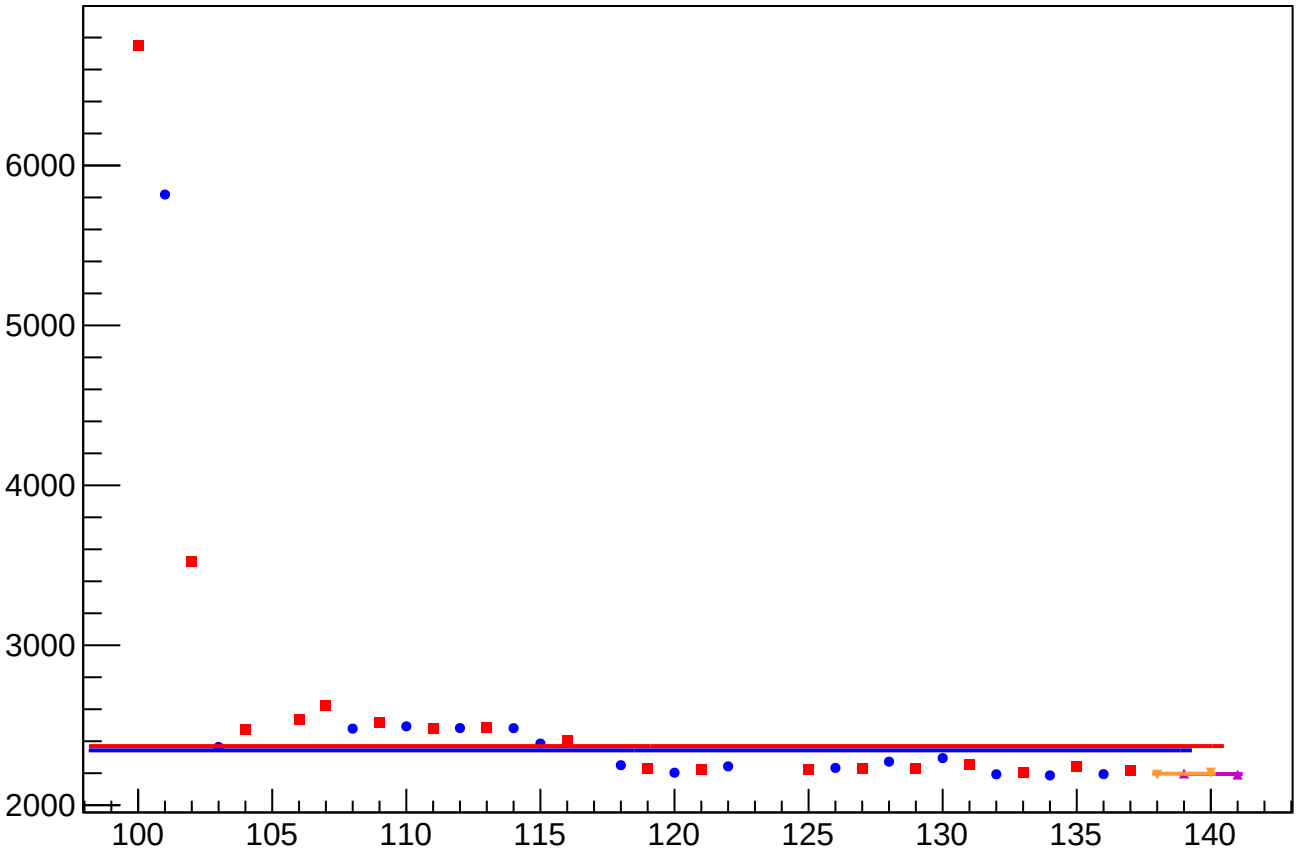
Left: 4504.554+/-1199.026 χ^2/NDF: 0.8/3

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4605.395+/-782.577 χ^2/NDF:14.0/17

Out: 3977.434+/-791.167 χ^2/NDF:15.7/19

All: 4294.842+/-556.378 χ^2/NDF: 30.0/37



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2196.869+/-1.219 χ^2/NDF:28.8/1

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2194.994+/-1.180 χ^2/NDF:9.6/1

Left: 2195.901+/-0.848 χ^2/NDF: 39.6/3

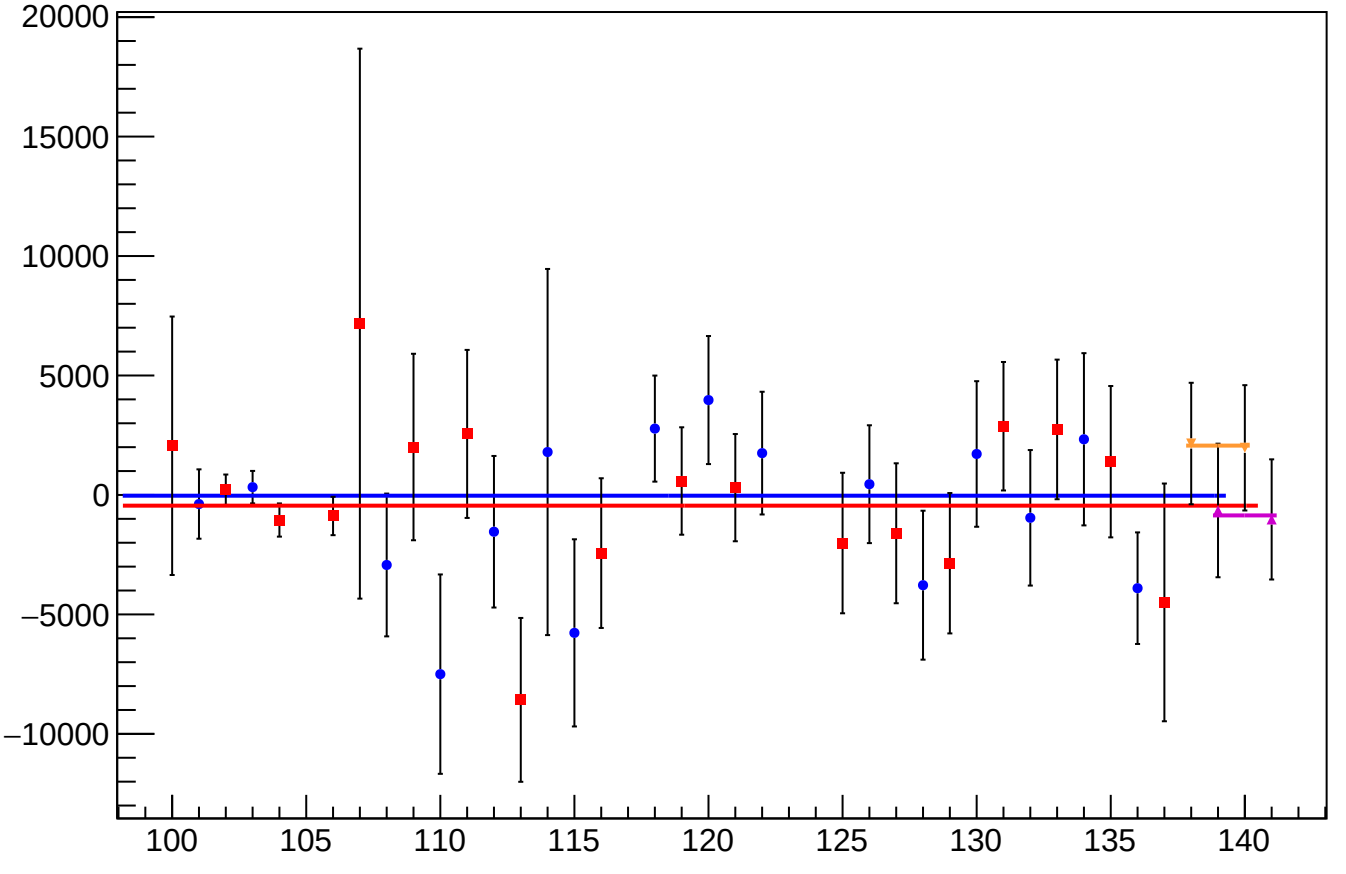
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2310.373+/-0.553 χ^2/NDF:515137.0/17

Out: 2333.210+/-0.559 χ^2/NDF:226016.9/19

All: 2321.667+/-0.393 χ^2/NDF: 741996.2/37

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 2065.425+/-1825.373 χ^2/NDF:0.0/1

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -856.449+/-1869.678 χ^2/NDF:0.0/1

Left: 639.517+/-1306.116 χ^2/NDF: 1.3/3

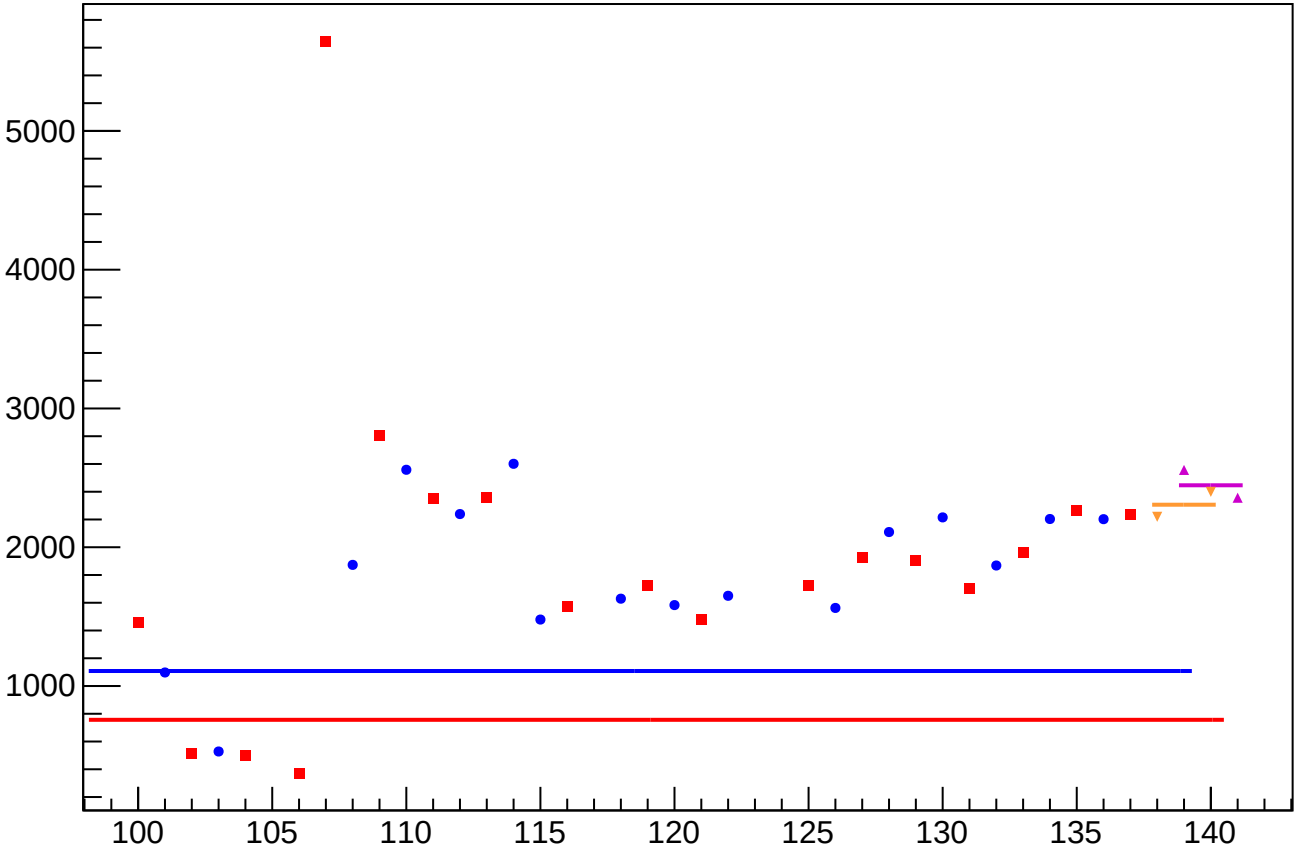
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: -83.477+/-469.760 χ^2/NDF:16.5/17

Out: -352.853+/-355.623 χ^2/NDF:16.9/19

All: -254.716+/-283.539 χ^2/NDF: 33.6/37

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2306.447+/-1.291 χ^2/NDF:4846.8/1

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2446.479+/-1.322 χ^2/NDF:5679.4/1

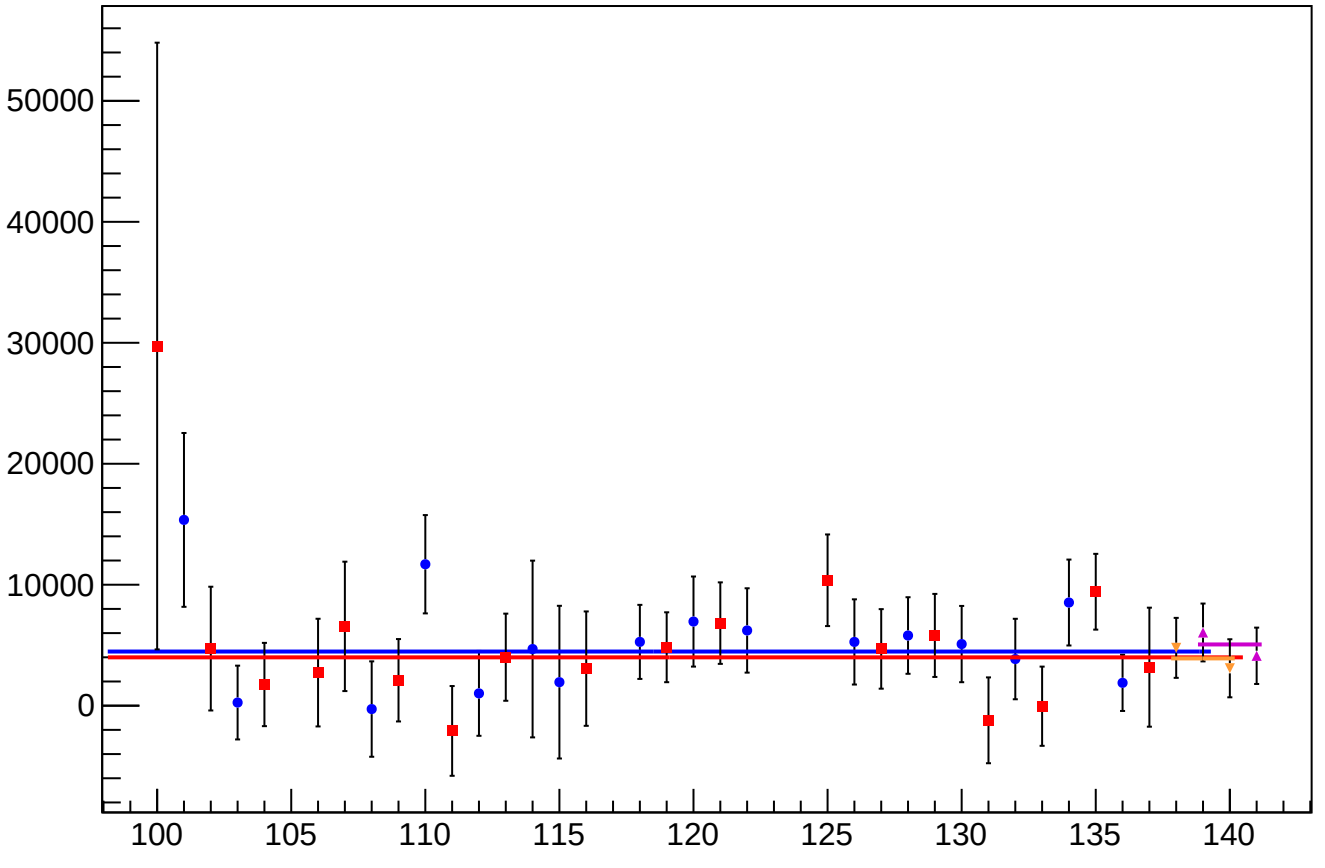
Left: 2374.784+/-0.924 χ^2/NDF: 16270.2/3

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1192.625+/-0.332 χ^2/NDF:4712241.1/17

Out: 815.251+/-0.251 χ^2/NDF:6995460.5/19

All: 952.733+/-0.200 χ^2/NDF: 12528179.2/37



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3908.552+/-1724.224 χ^2/NDF:0.2/1

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 5062.660+/-1668.505 χ^2/NDF:0.3/1

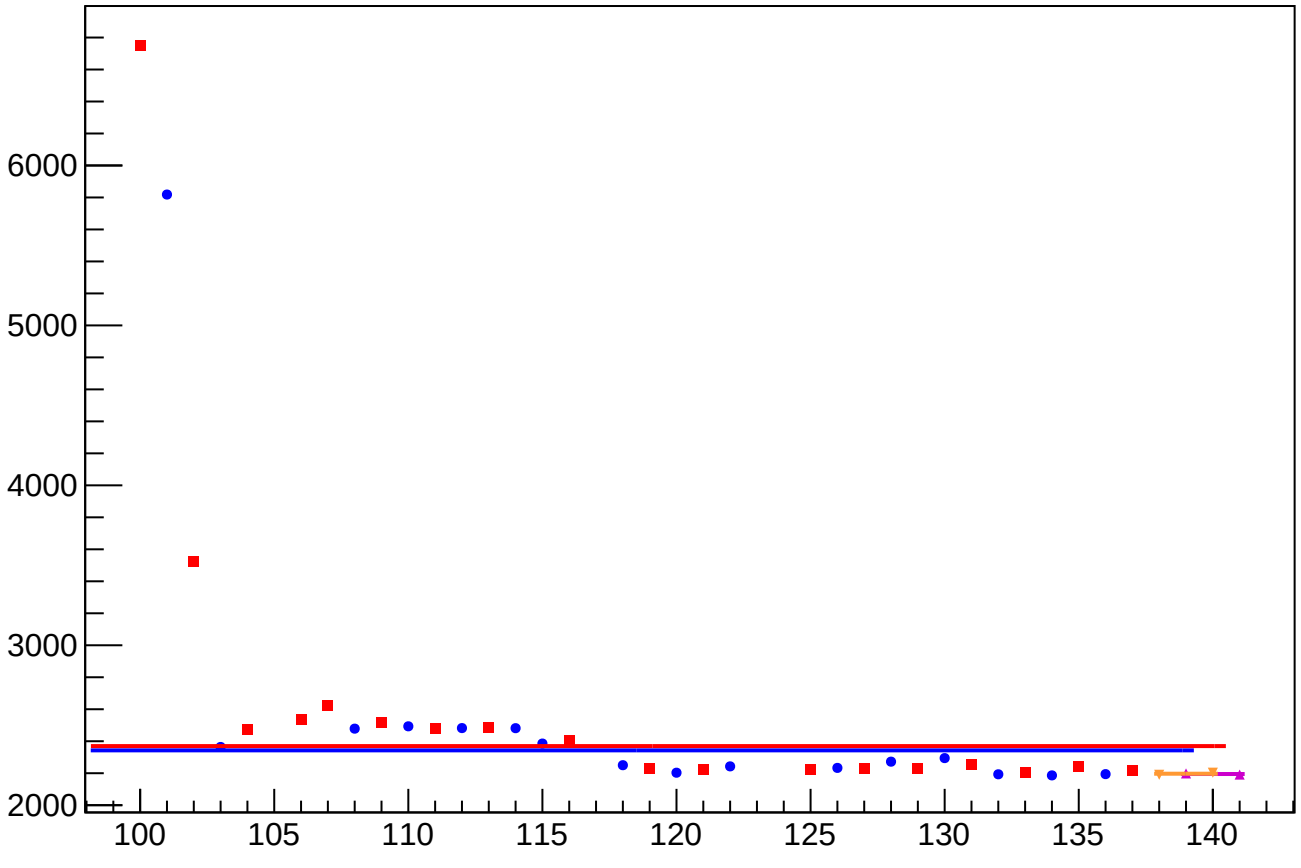
Left: 4504.555+/-1199.026 χ^2/NDF: 0.8/3

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4605.391+/-782.577 χ^2/NDF:14.0/17

Out: 3977.433+/-791.167 χ^2/NDF:15.7/19

All: 4294.840+/-556.378 χ^2/NDF: 30.0/37



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2196.869+/-1.219 χ^2/NDF:28.8/1

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2194.994+/-1.180 χ^2/NDF:9.6/1

Left: 2195.901+/-0.848 χ^2/NDF: 39.6/3

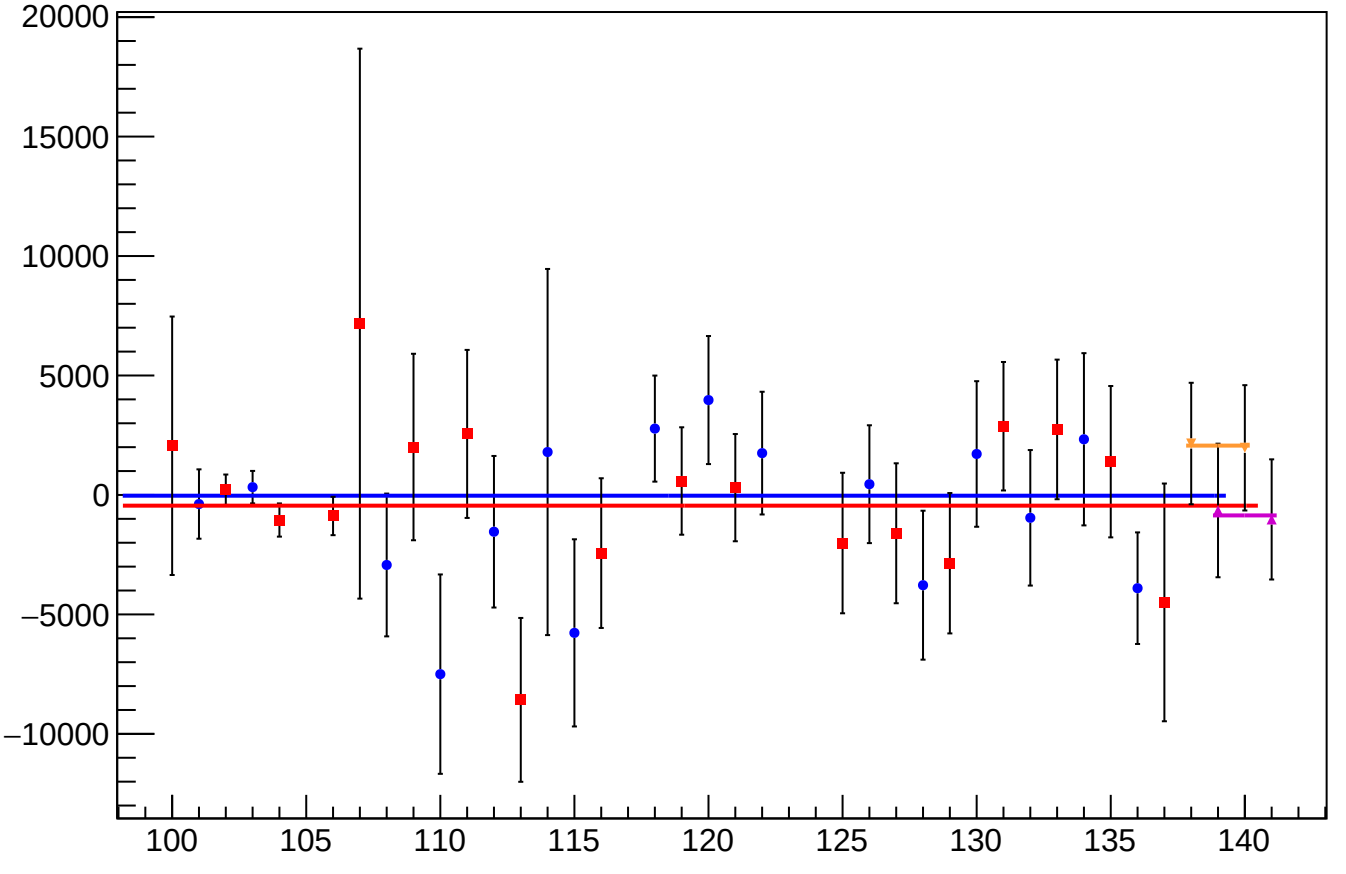
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2310.373+/-0.553 χ^2/NDF:515137.0/17

Out: 2333.210+/-0.559 χ^2/NDF:226015.7/19

All: 2321.667+/-0.393 χ^2/NDF: 741995.0/37

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 2065.430+/-1825.376 χ^2/NDF:0.0/1

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -856.453+/-1869.681 χ^2/NDF:0.0/1

Left: 639.518+/-1306.118 χ^2/NDF: 1.3/3

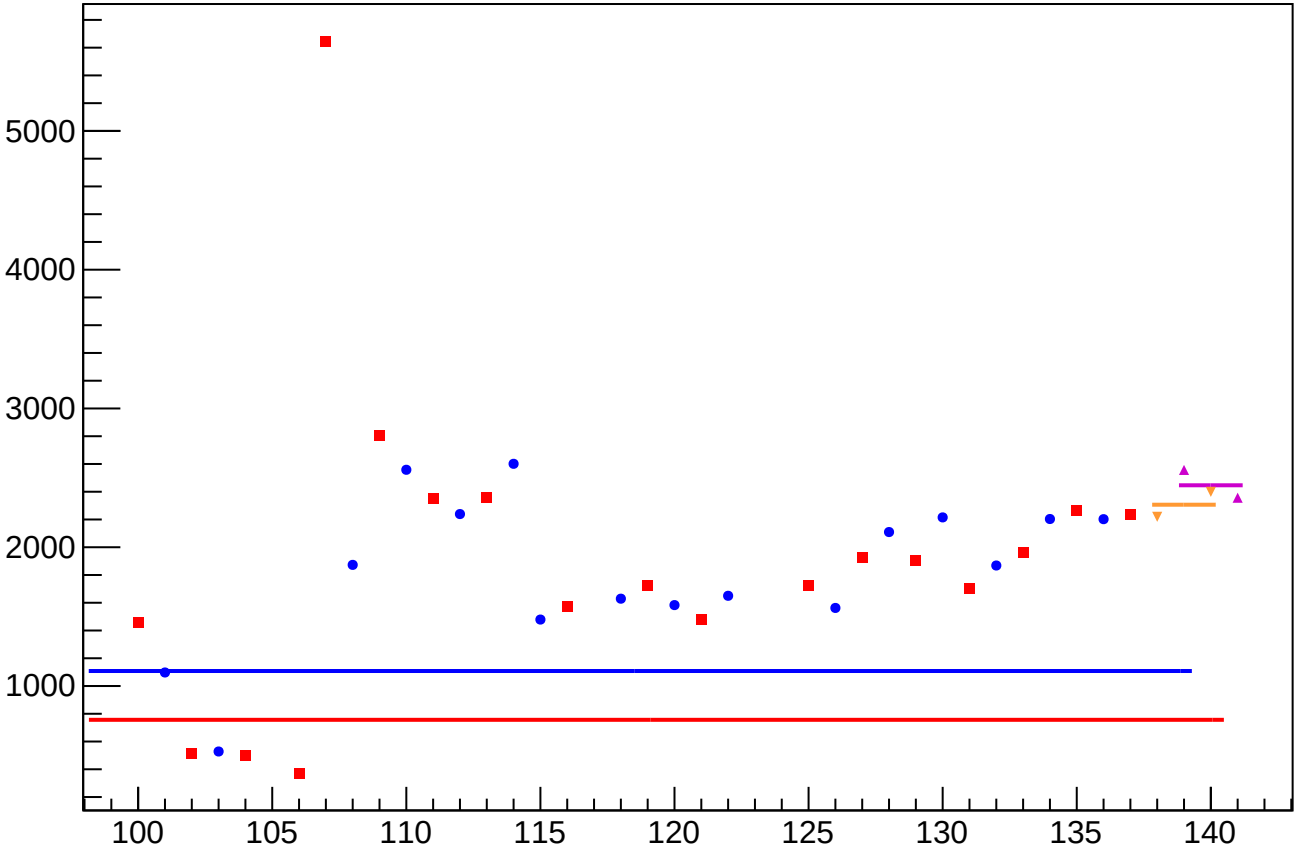
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: -83.484+/-469.763 χ^2/NDF:16.5/17

Out: -352.854+/-355.627 χ^2/NDF:16.9/19

All: -254.718+/-283.541 χ^2/NDF: 33.6/37

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2306.451+/-1.291 χ^2/NDF:4846.8/1

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2446.483+/-1.322 χ^2/NDF:5679.4/1

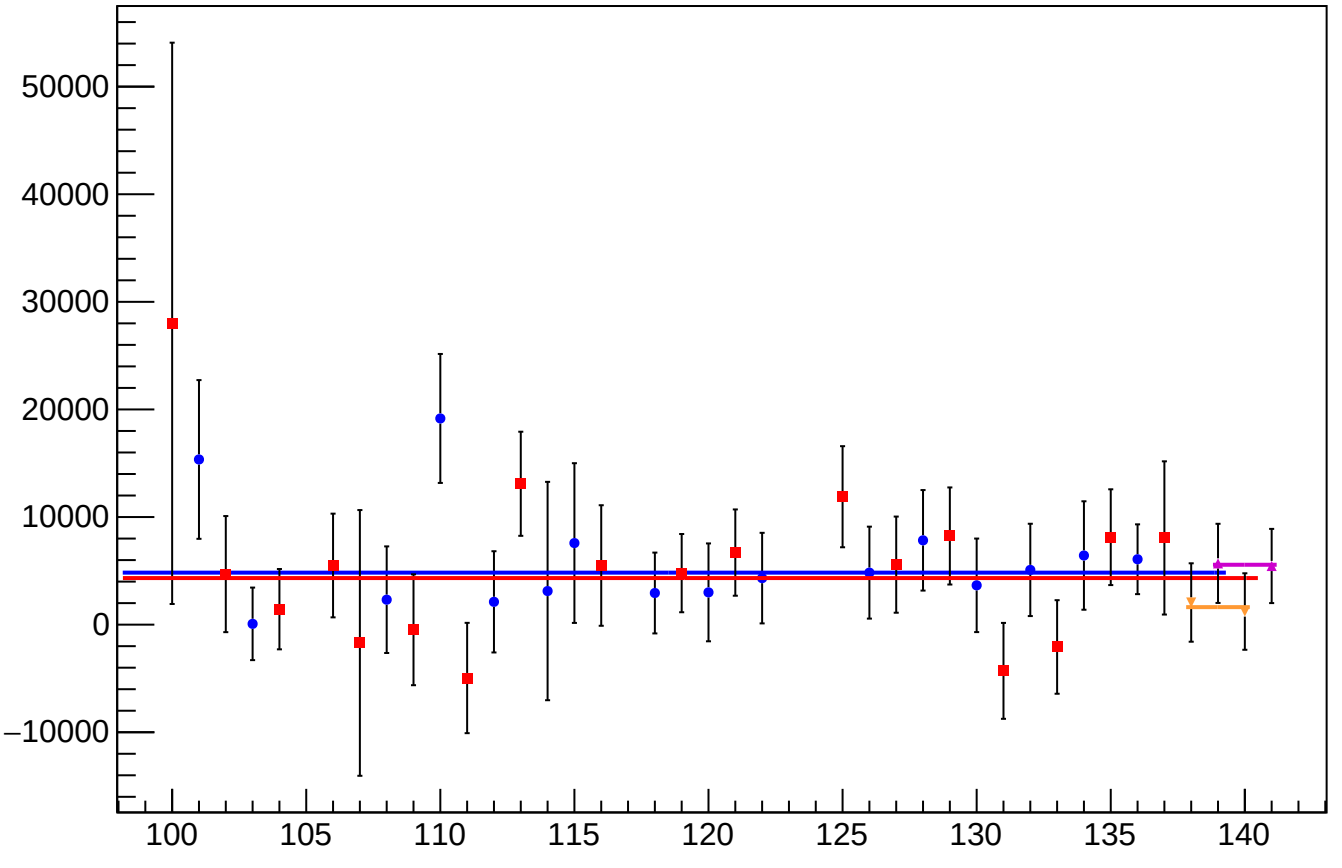
Left: 2374.788+/-0.924 χ^2/NDF: 16270.2/3

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1192.635+/-0.332 χ^2/NDF:4712154.0/17

Out: 815.267+/-0.251 χ^2/NDF:6995316.3/19

All: 952.748+/-0.200 χ^2/NDF: 12527909.5/37



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 1627.964+/-2544.424 χ^2/NDF:0.0/1

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 5565.460+/-2515.337 χ^2/NDF:0.0/1

Left: 3619.347+/-1788.807 χ^2/NDF: 1.2/3

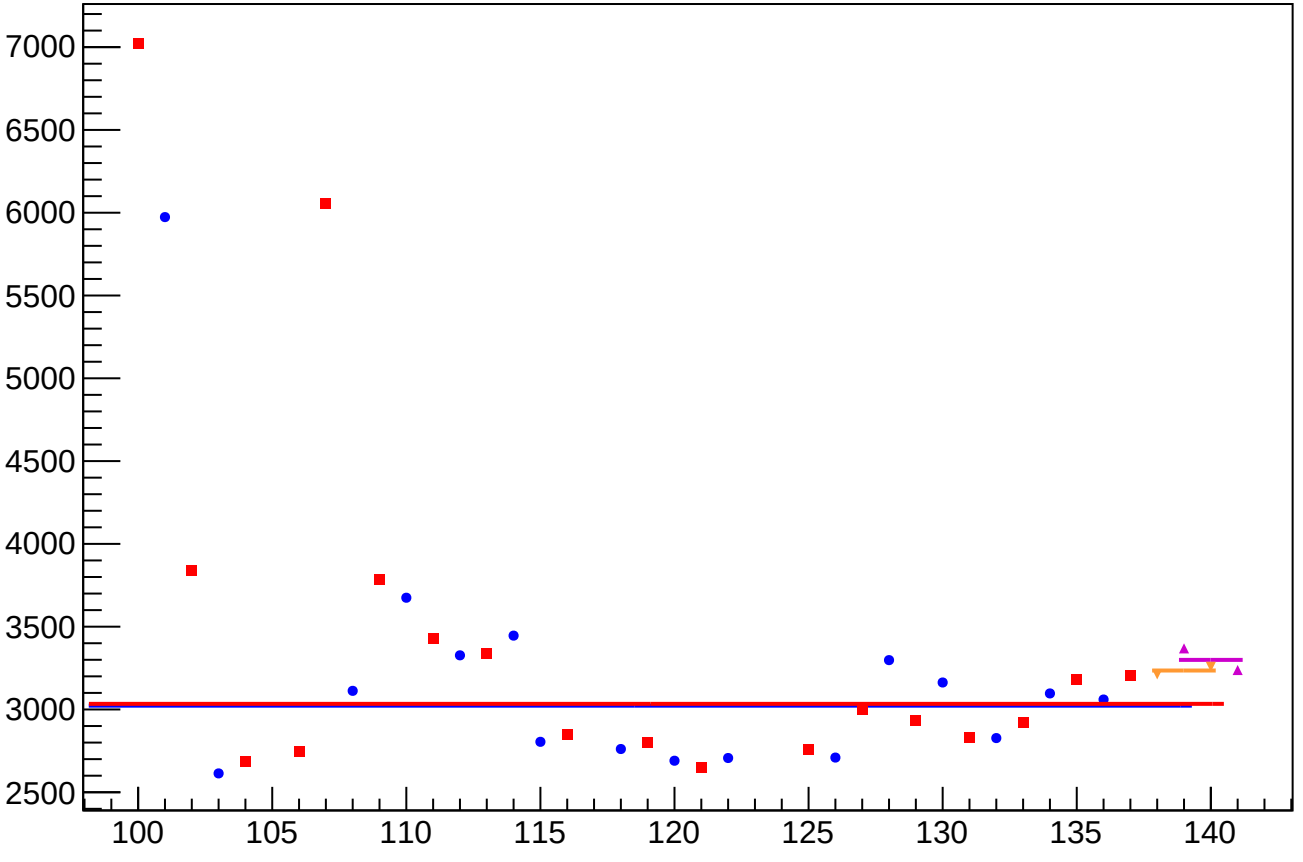
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4958.944+/-1040.250 χ^2/NDF:11.7/17

Out: 3874.113+/-1043.801 χ^2/NDF:20.9/19

All: 4418.377+/-736.820 χ^2/NDF: 33.1/37

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3235.242+/-1.799 χ^2/NDF:162.2/1

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3299.420+/-1.779 χ^2/NDF:1344.2/1

Left: 3267.700+/-1.265 χ^2/NDF: 2149.9/3

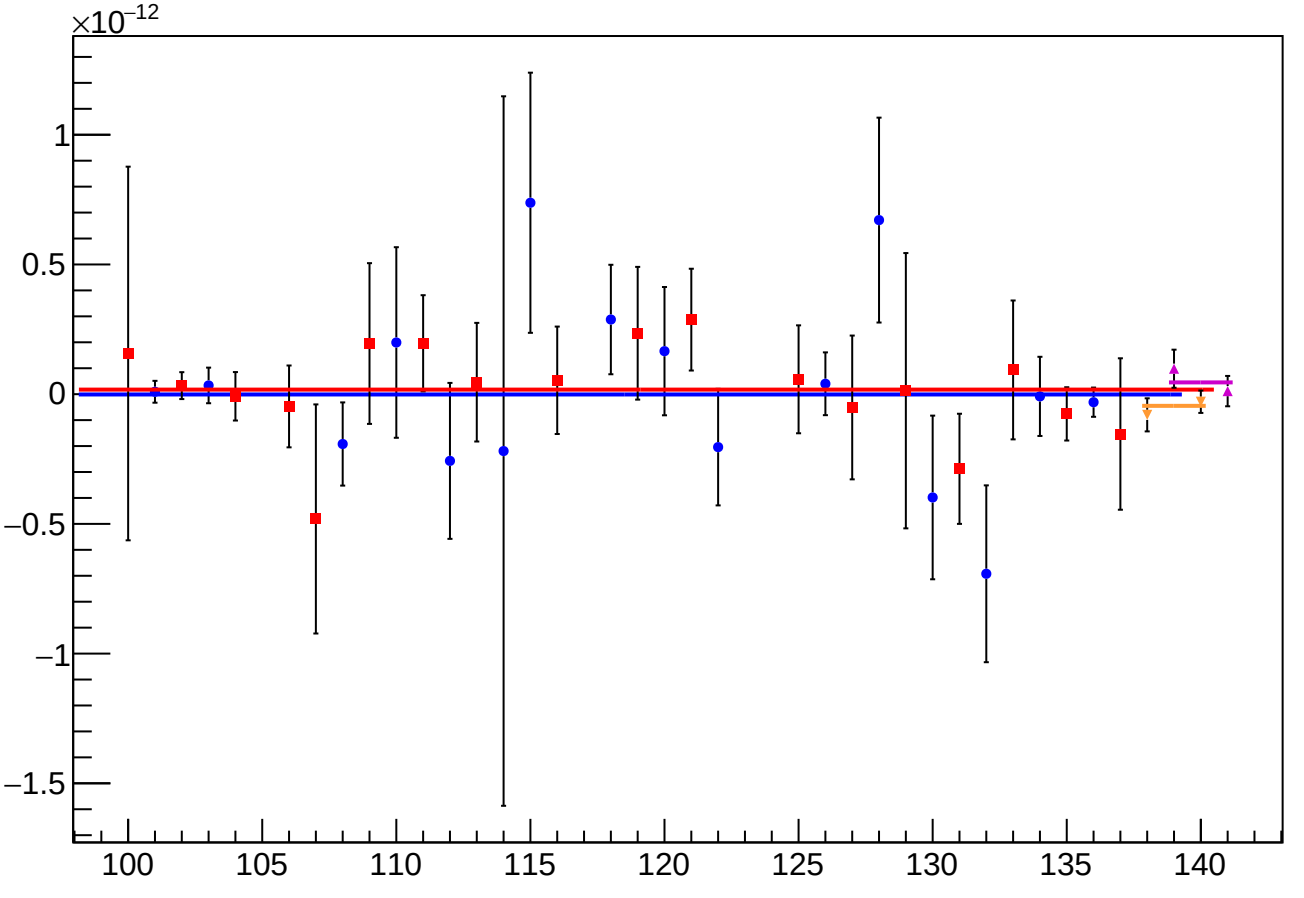
Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3070.334+/-0.736 χ^2/NDF:465062.4/17

Out: 3067.757+/-0.738 χ^2/NDF:353256.0/19

All: 3069.050+/-0.521 χ^2/NDF: 818324.5/37

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.8/1

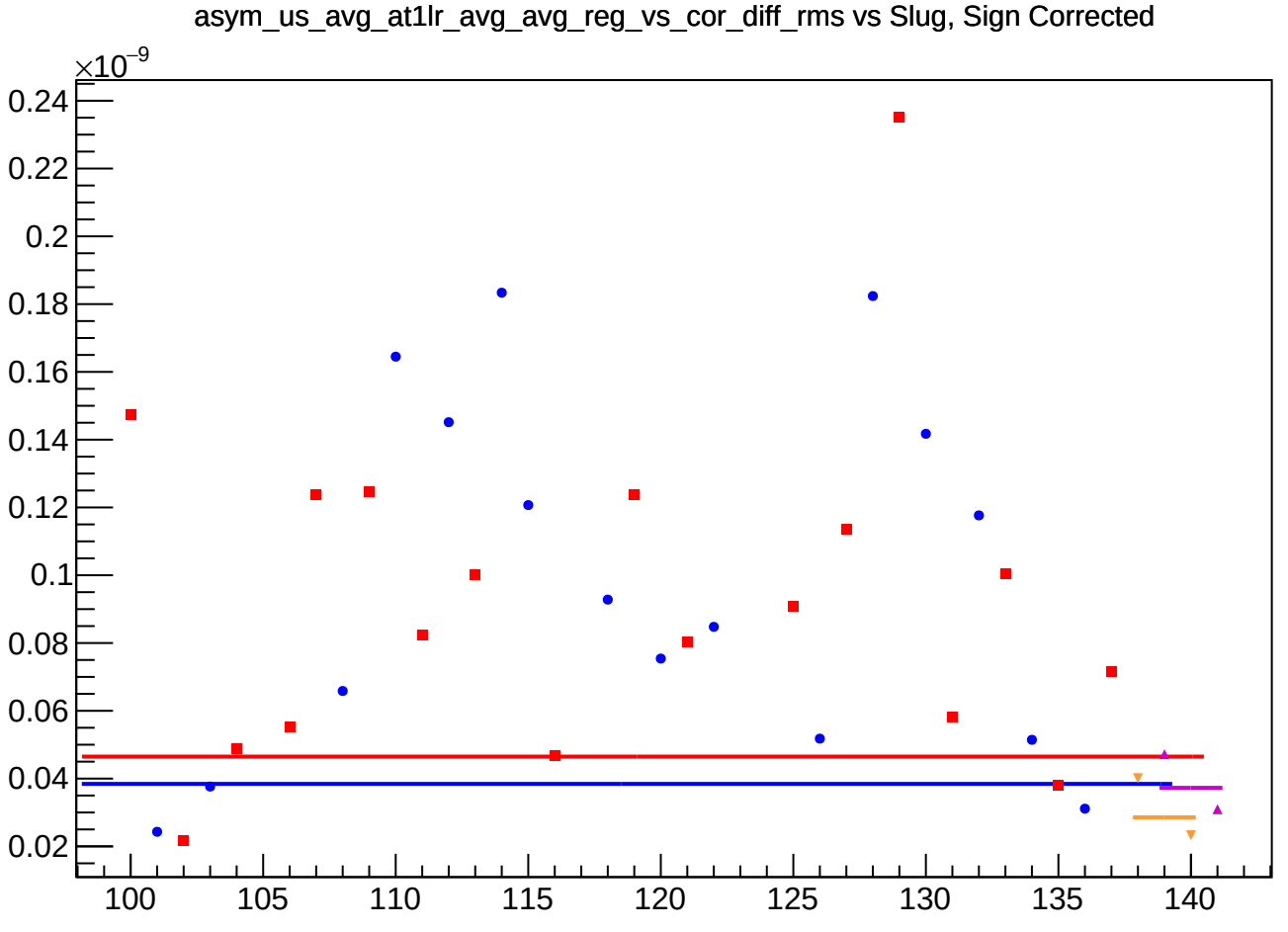
Left: -0.000+/-0.000 χ^2/NDF: 3.7/3

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:18.7/17

Out: -0.000+/-0.000 χ^2/NDF:11.0/19

All: -0.000+/-0.000 χ^2/NDF: 30.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:95644.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:59823.3/1

Left: 0.000+/-0.000 χ^2/NDF: 200596.8/3

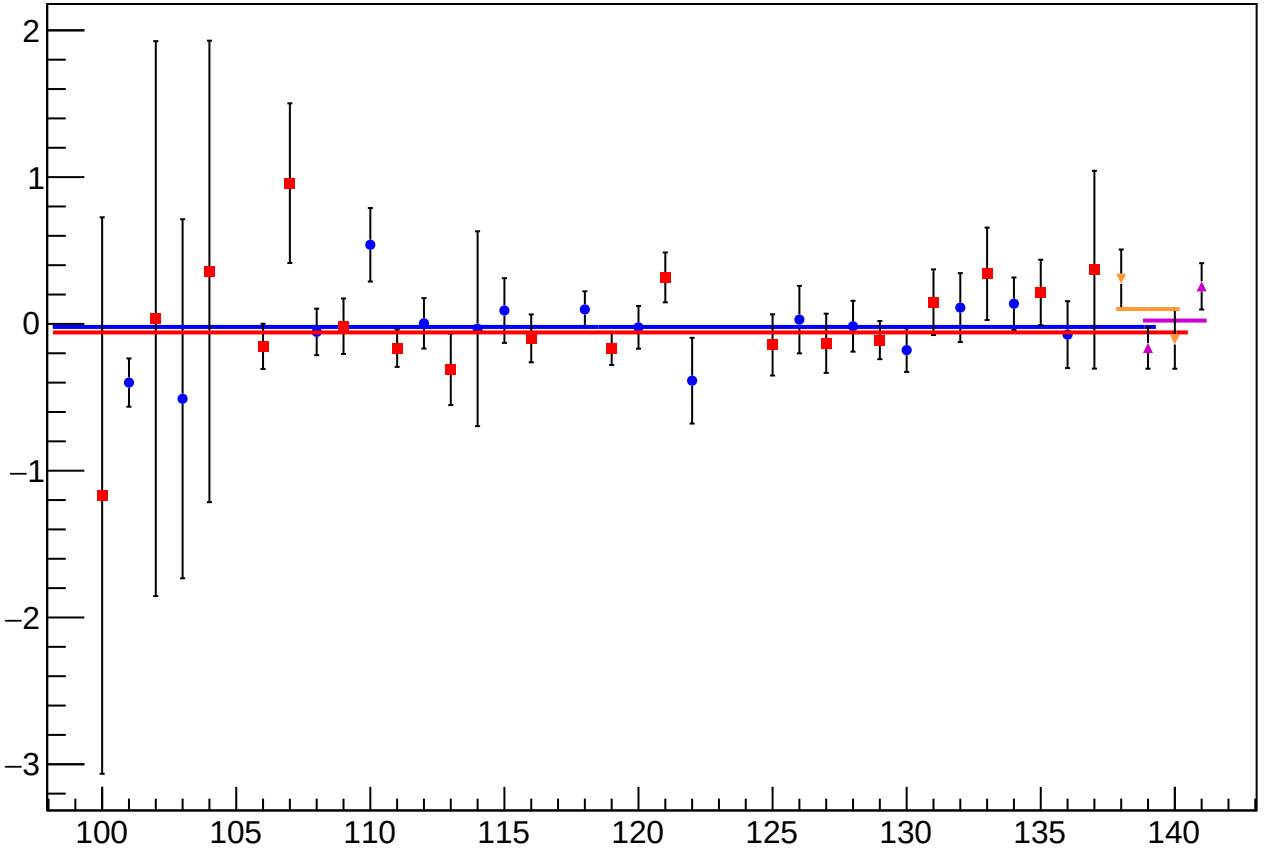
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:1832183.1/17

Out: 0.000+/-0.000 χ^2/NDF:2053383.5/19

All: 0.000+/-0.000 χ^2/NDF: 3885721.6/37

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.101+/-0.141 χ^2/NDF:2.1/1

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.023+/-0.105 χ^2/NDF:3.9/1

Left: 0.051+/-0.084 χ^2/NDF: 6.3/3

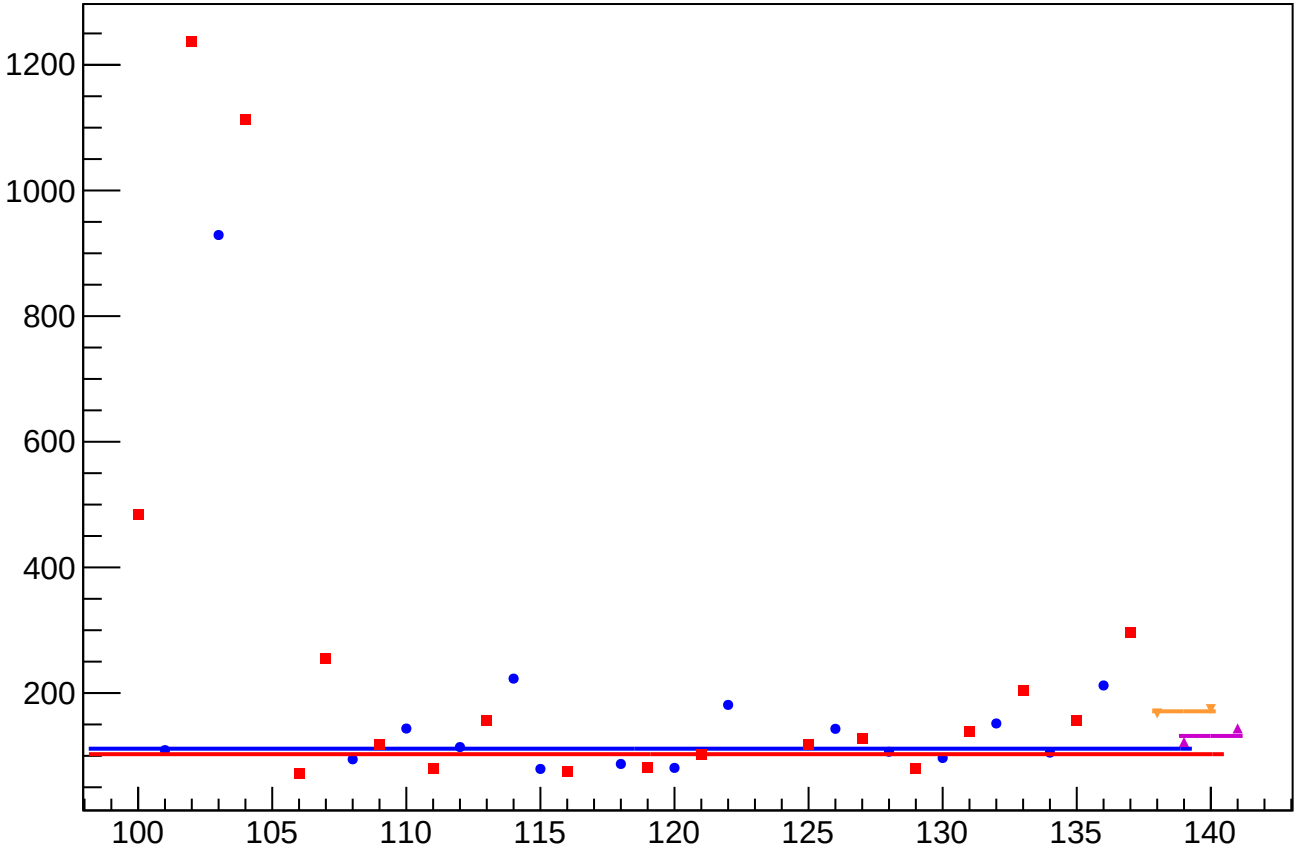
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.013+/-0.043 χ^2/NDF:19.7/17

Out: -0.043+/-0.044 χ^2/NDF:20.1/19

All: -0.028+/-0.031 χ^2/NDF: 40.1/37

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 170.917+/-0.100 χ^2/NDF:1188.9/1

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 131.713+/-0.074 χ^2/NDF:21014.3/1

Left: 145.716+/-0.060 χ^2/NDF: 121443.9/3

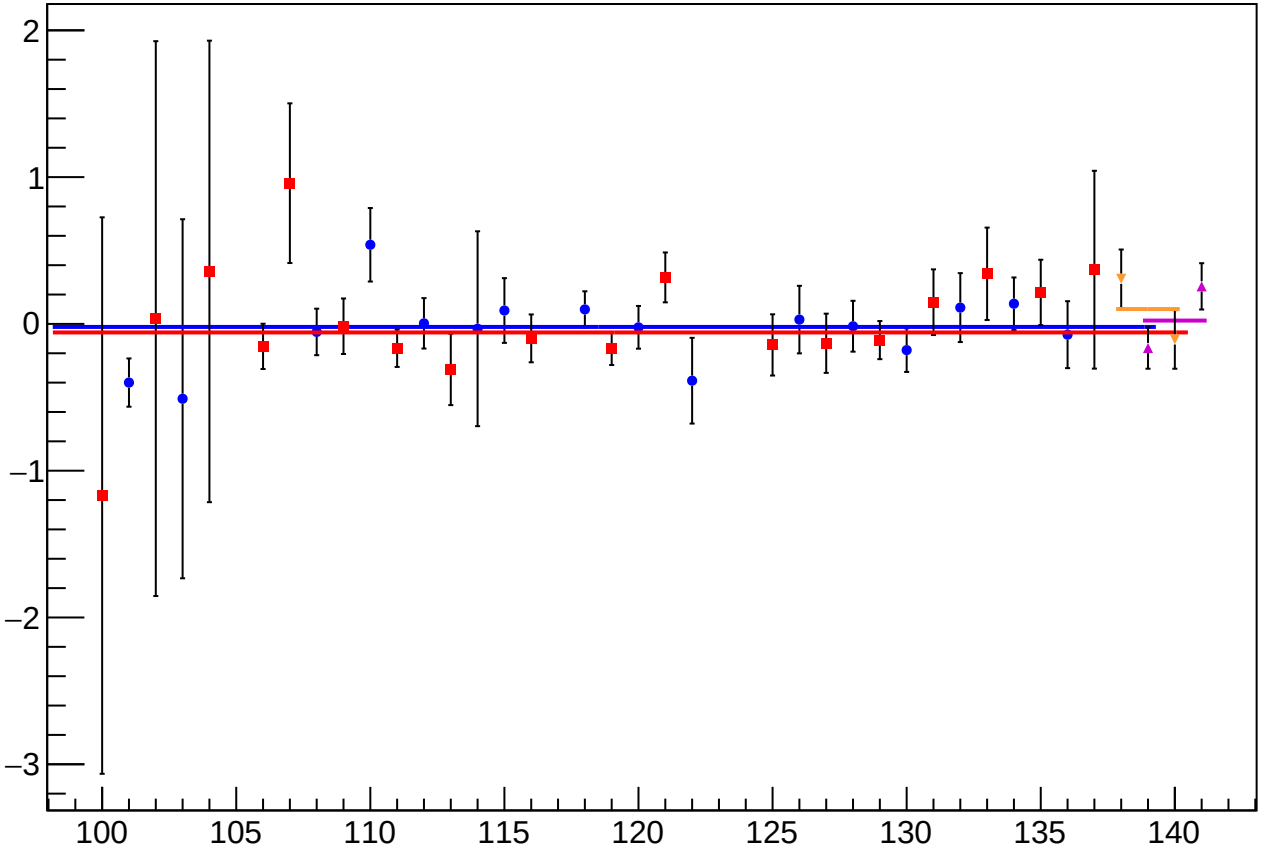
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 114.862+/-0.031 χ^2/NDF:1922229.8/17

Out: 109.333+/-0.031 χ^2/NDF:3250201.5/19

All: 112.141+/-0.022 χ^2/NDF: 5188411.6/37

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.101+/-0.141 χ^2/NDF:2.1/1

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.023+/-0.105 χ^2/NDF:3.9/1

Left: 0.051+/-0.084 χ^2/NDF: 6.3/3

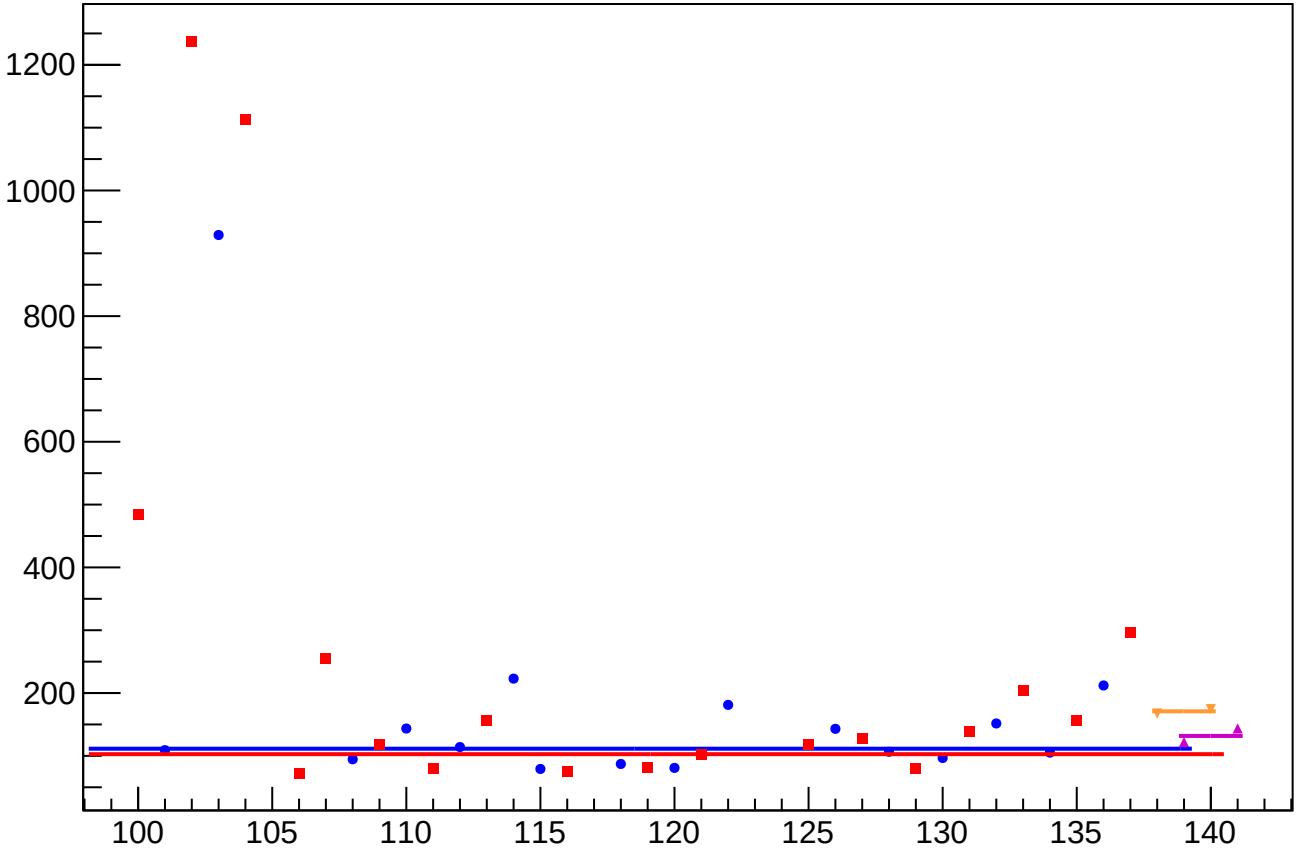
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.013+/-0.043 χ^2/NDF:19.7/17

Out: -0.043+/-0.044 χ^2/NDF:20.1/19

All: -0.028+/-0.031 χ^2/NDF: 40.1/37

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 170.917+/-0.100 χ^2/NDF:1188.9/1

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 131.713+/-0.074 χ^2/NDF:21014.3/1

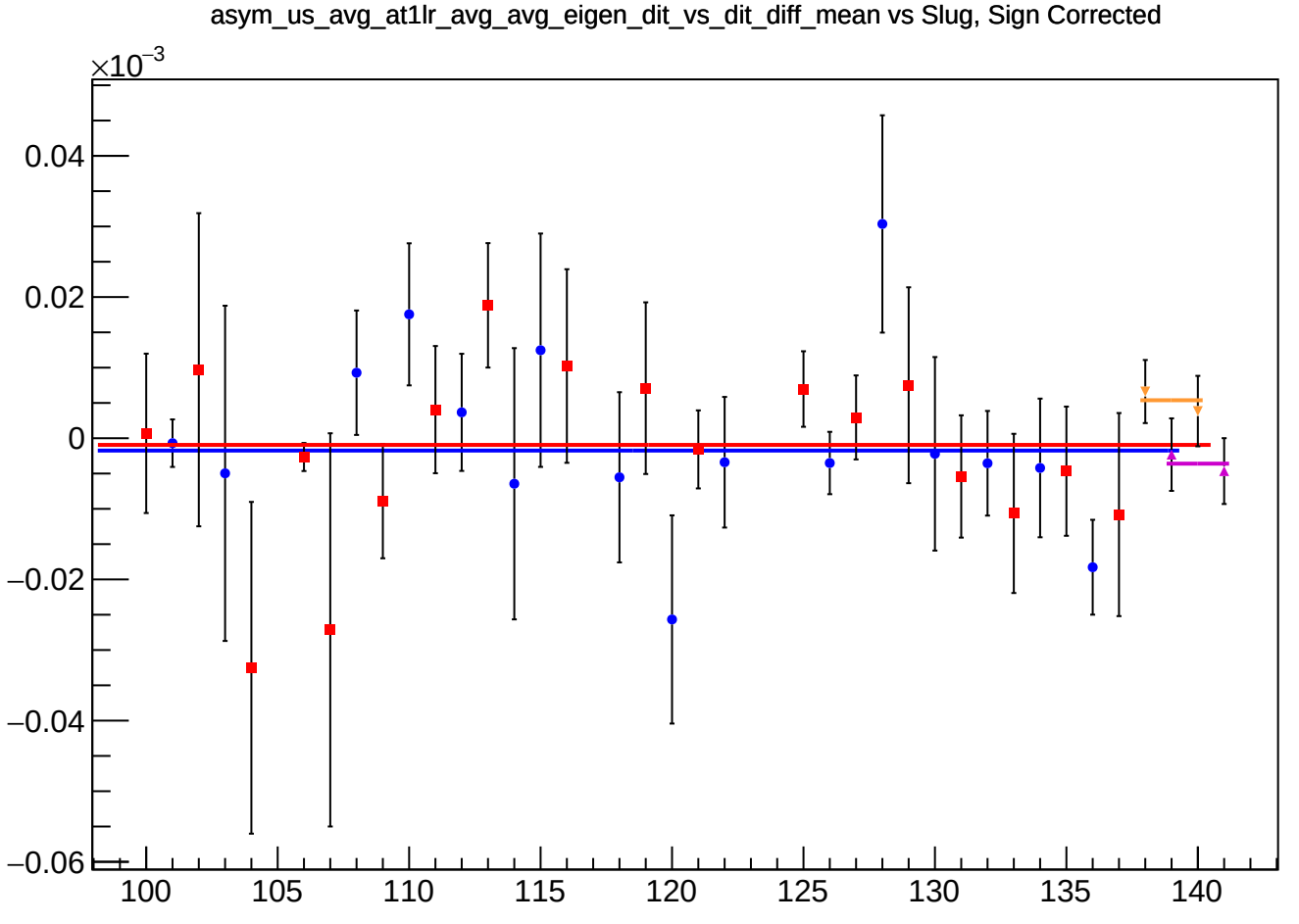
Left: 145.716+/-0.060 χ^2/NDF: 121443.9/3

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 114.862+/-0.031 χ^2/NDF:1922229.8/17

Out: 109.333+/-0.031 χ^2/NDF:3250201.5/19

All: 112.141+/-0.022 χ^2/NDF: 5188411.6/37



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

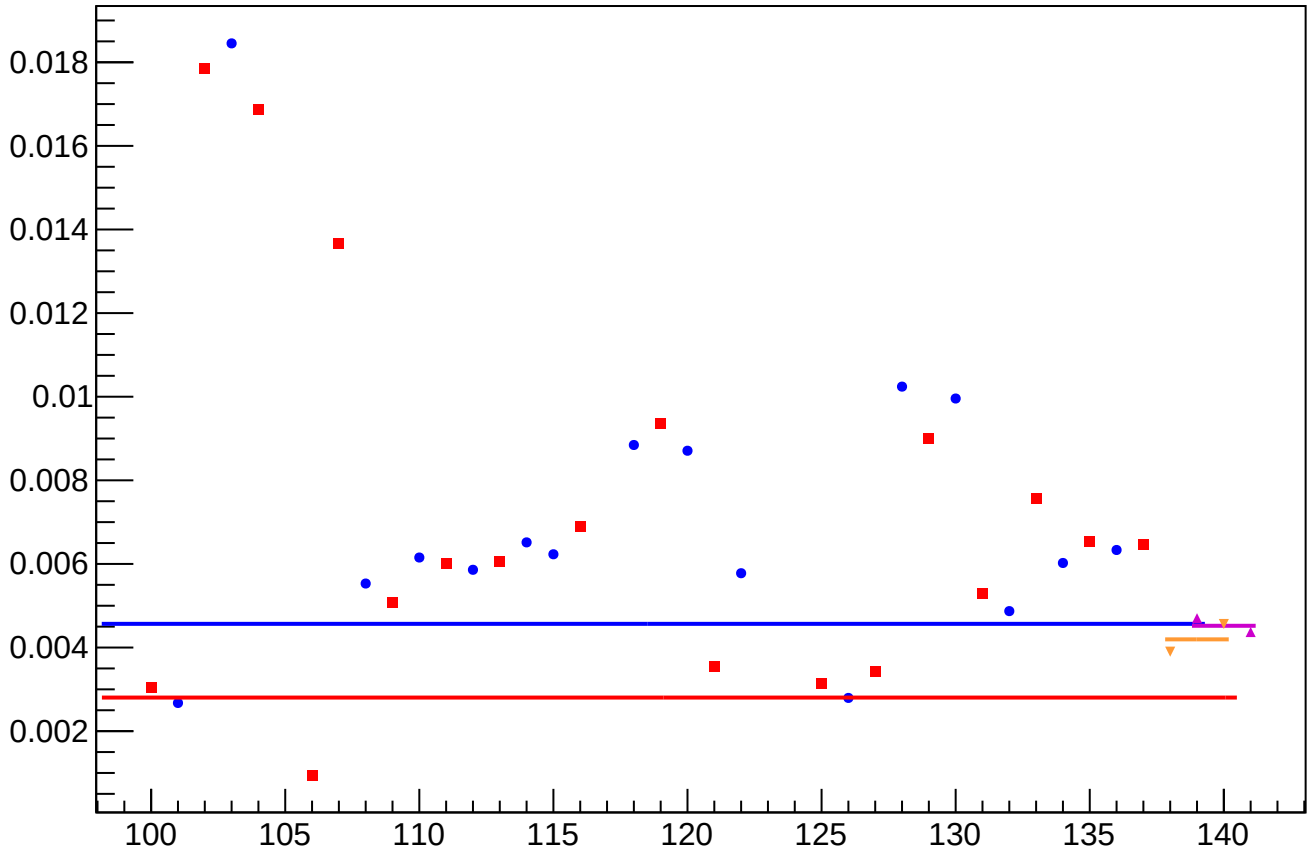
Left: 0.000+/-0.000 χ^2/NDF: 3.8/3

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

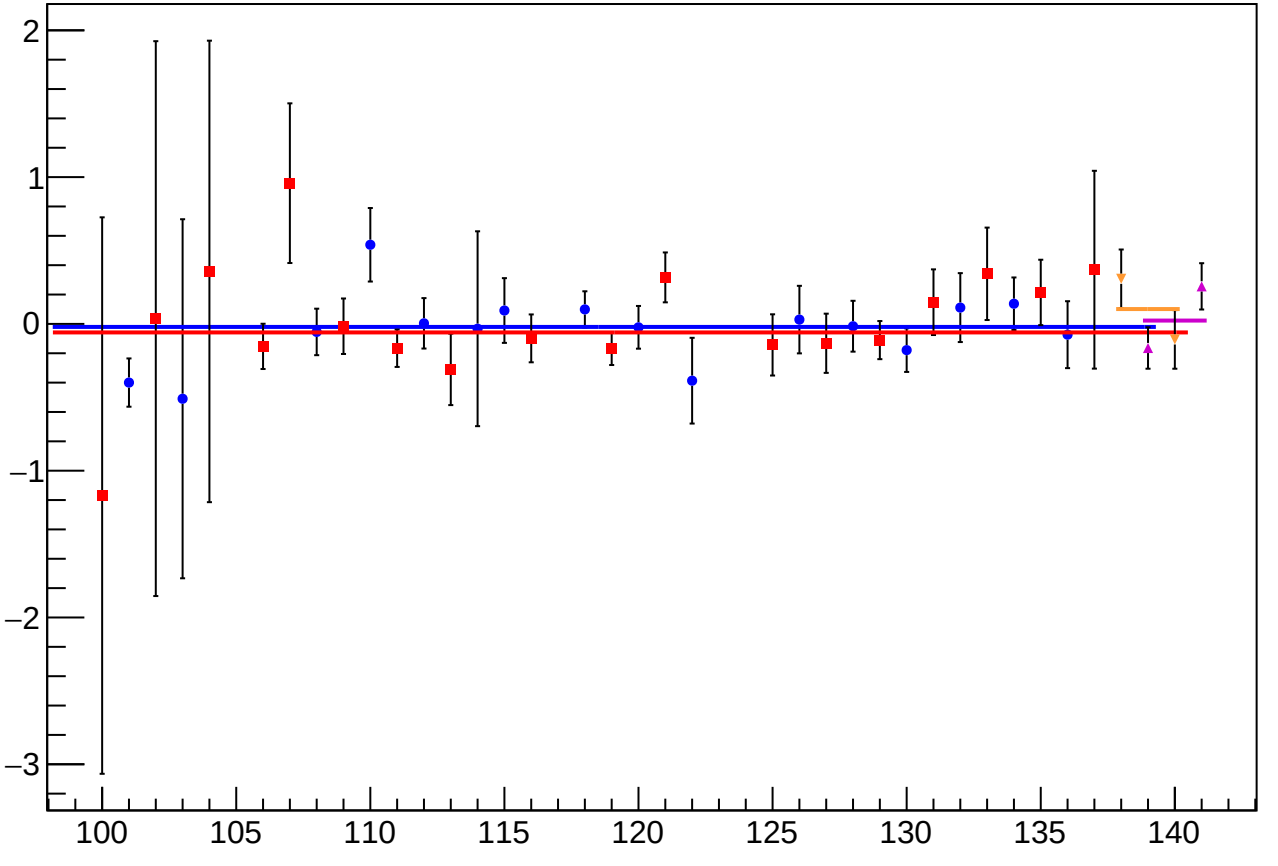
In: -0.000+/-0.000 χ^2/NDF:20.4/17

Out: 0.000+/-0.000 χ^2/NDF:18.9/19

All: -0.000+/-0.000 χ^2/NDF: 40.4/37


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
105
110
115
120
125
130
135
140
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:19539.5/1
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.005+/-0.000 χ²/NDF:4528.3/1
Left: 0.004+/-0.000 χ²/NDF: 33242.4/3
Right: 0.003+/-0.000 χ²/NDF: 10674508.6/33
In: 0.005+/-0.000 χ²/NDF:3017060.8/17
Out: 0.003+/-0.000 χ²/NDF:6921798.2/19
All: 0.004+/-0.000 χ²/NDF: 10933793.7/37

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.101+/-0.141 χ^2/NDF:2.1/1

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.023+/-0.105 χ^2/NDF:3.9/1

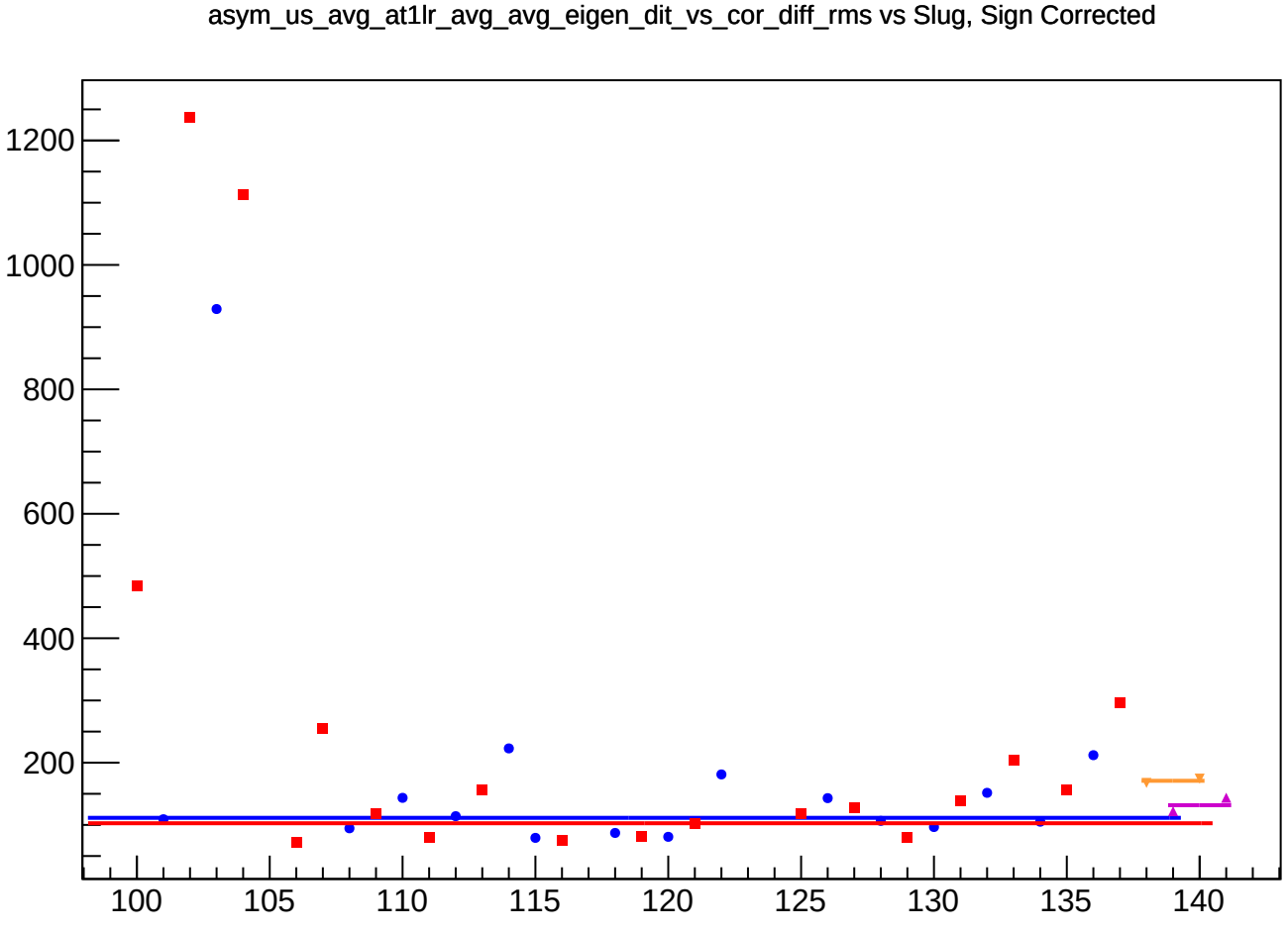
Left: 0.051+/-0.084 χ^2/NDF: 6.3/3

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.013+/-0.043 χ^2/NDF:19.7/17

Out: -0.043+/-0.044 χ^2/NDF:20.1/19

All: -0.028+/-0.031 χ^2/NDF: 40.1/37



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 170.917+/-0.100 χ^2/NDF:1188.4/1

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 131.713+/-0.074 χ^2/NDF:21011.0/1

Left: 145.717+/-0.060 χ^2/NDF: 121435.4/3

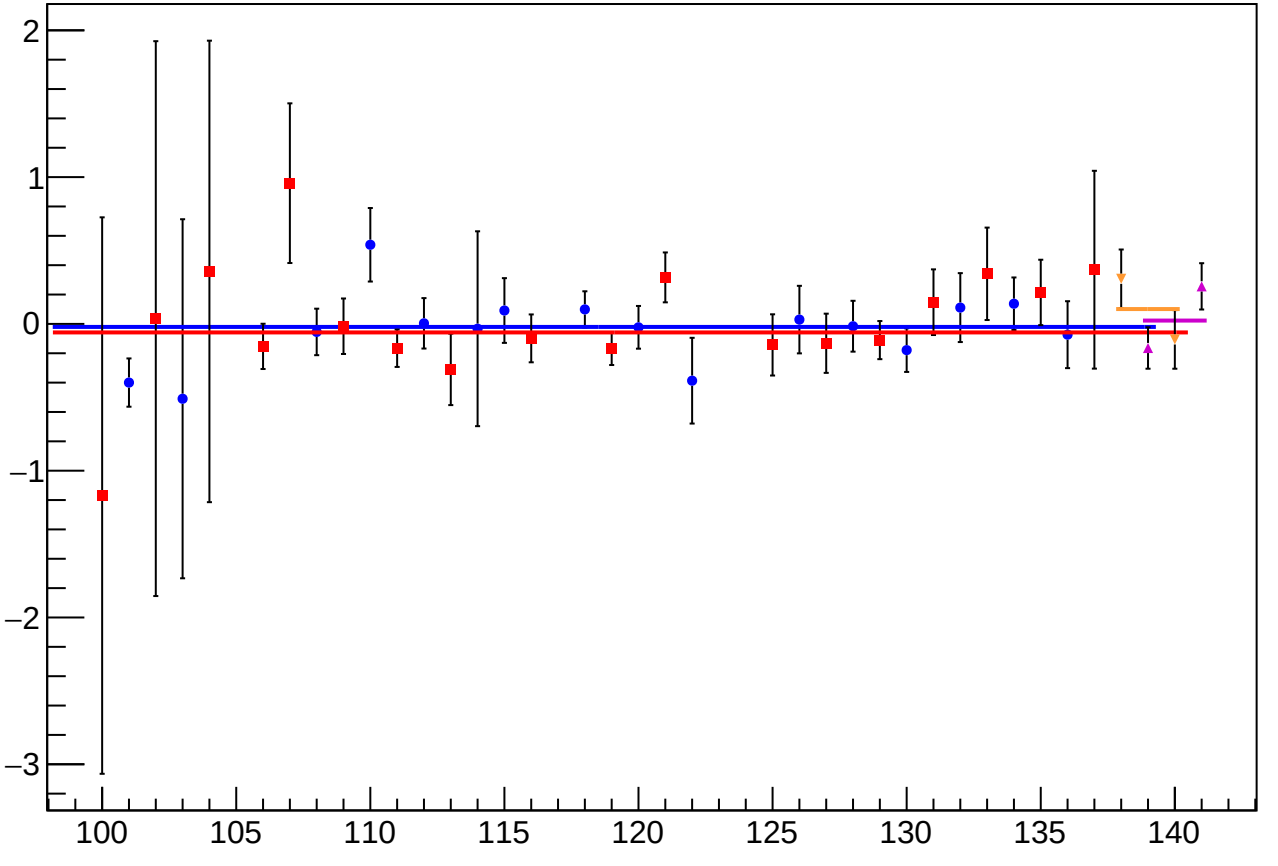
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 114.859+/-0.031 χ^2/NDF:1922293.3/17

Out: 109.331+/-0.031 χ^2/NDF:3250216.1/19

All: 112.139+/-0.022 χ^2/NDF: 5188486.4/37

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.101+/-0.141 χ^2/NDF:2.1/1

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.023+/-0.105 χ^2/NDF:3.9/1

Left: 0.051+/-0.084 χ^2/NDF: 6.3/3

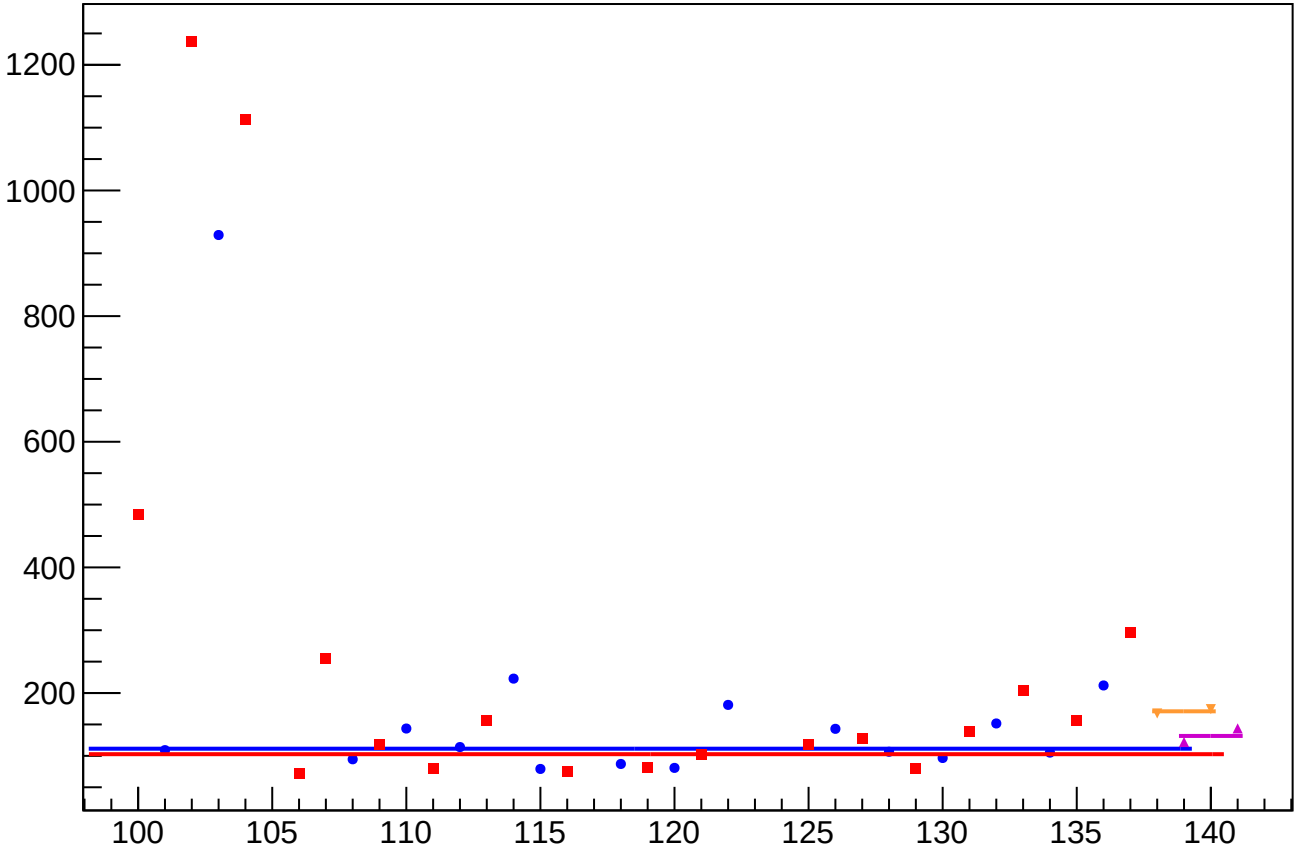
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.013+/-0.043 χ^2/NDF:19.7/17

Out: -0.043+/-0.044 χ^2/NDF:20.1/19

All: -0.028+/-0.031 χ^2/NDF: 40.1/37

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 170.917+/-0.100 χ^2/NDF:1188.4/1

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 131.713+/-0.074 χ^2/NDF:21011.0/1

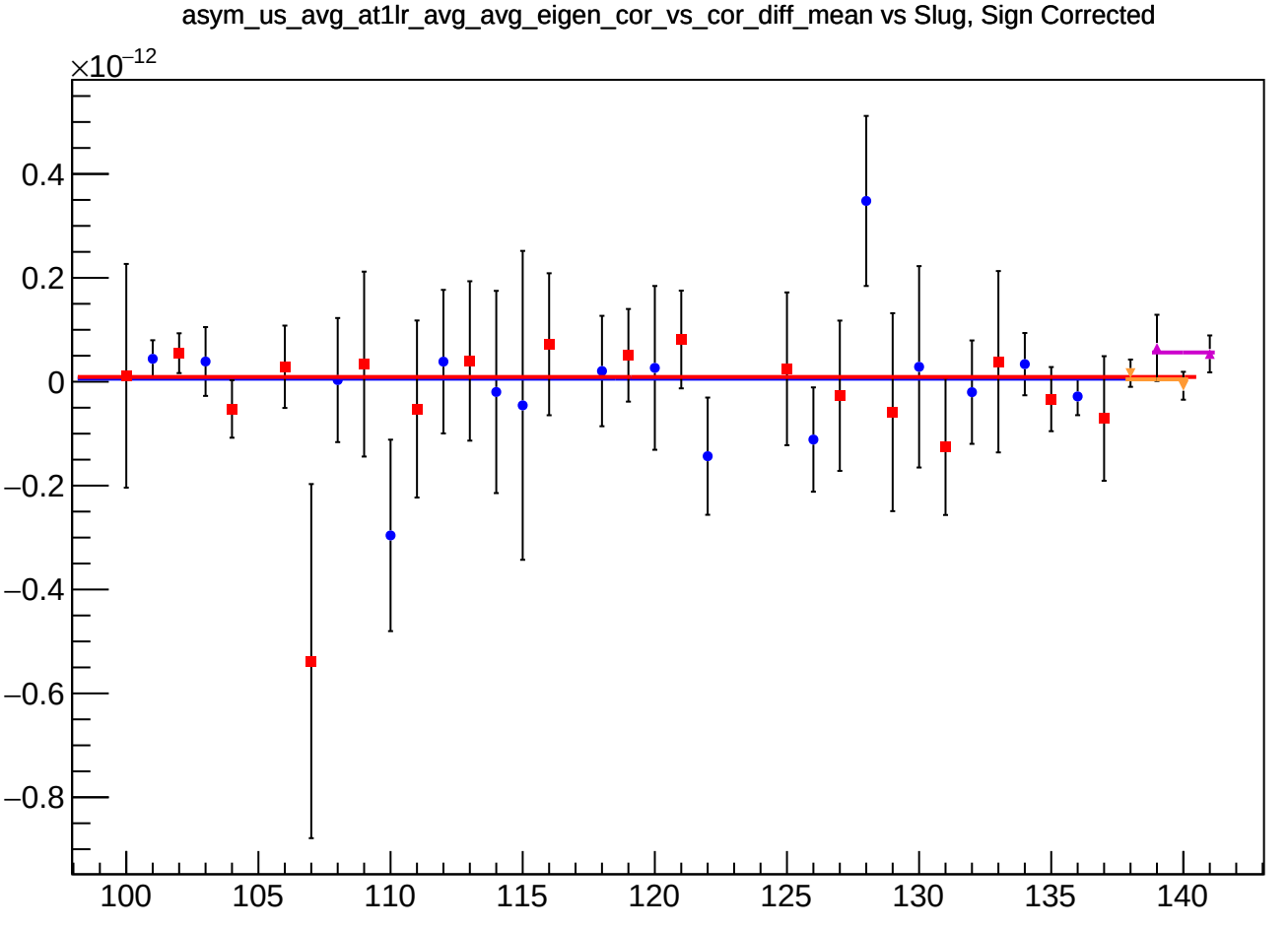
Left: 145.717+/-0.060 χ^2/NDF: 121435.4/3

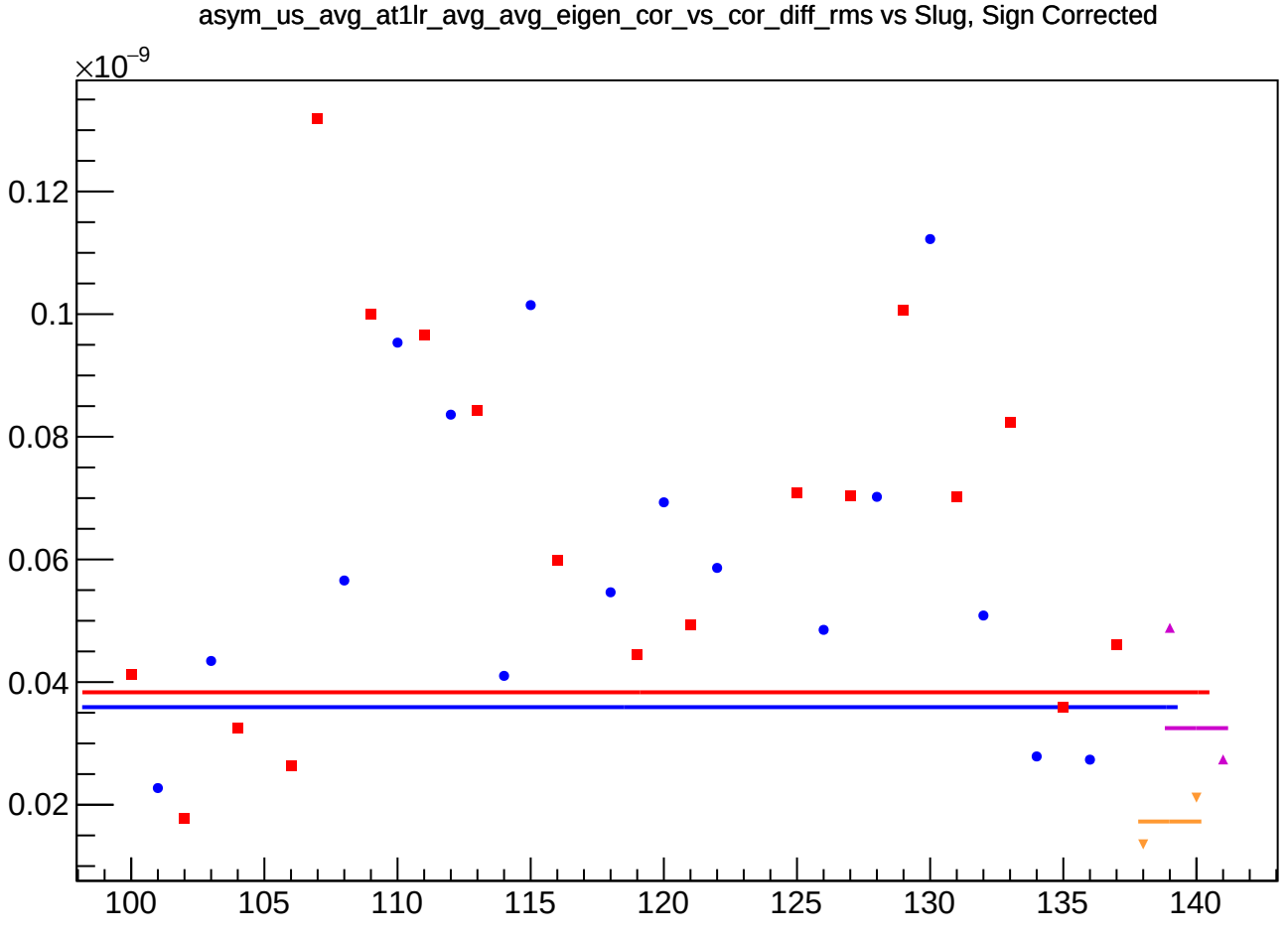
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 114.859+/-0.031 χ^2/NDF:1922293.3/17

Out: 109.331+/-0.031 χ^2/NDF:3250216.1/19

All: 112.139+/-0.022 χ^2/NDF: 5188486.4/37


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: 0.000+/-0.000 χ²/NDF:0.4/1
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/1
Left: 0.000+/-0.000 χ²/NDF: 2.5/3
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: 0.000+/-0.000 χ²/NDF:14.8/17
Out: 0.000+/-0.000 χ²/NDF:9.1/19
All: 0.000+/-0.000 χ²/NDF: 24.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:82363.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:172996.3/1

Left: 0.000+/-0.000 χ^2/NDF: 607565.9/3

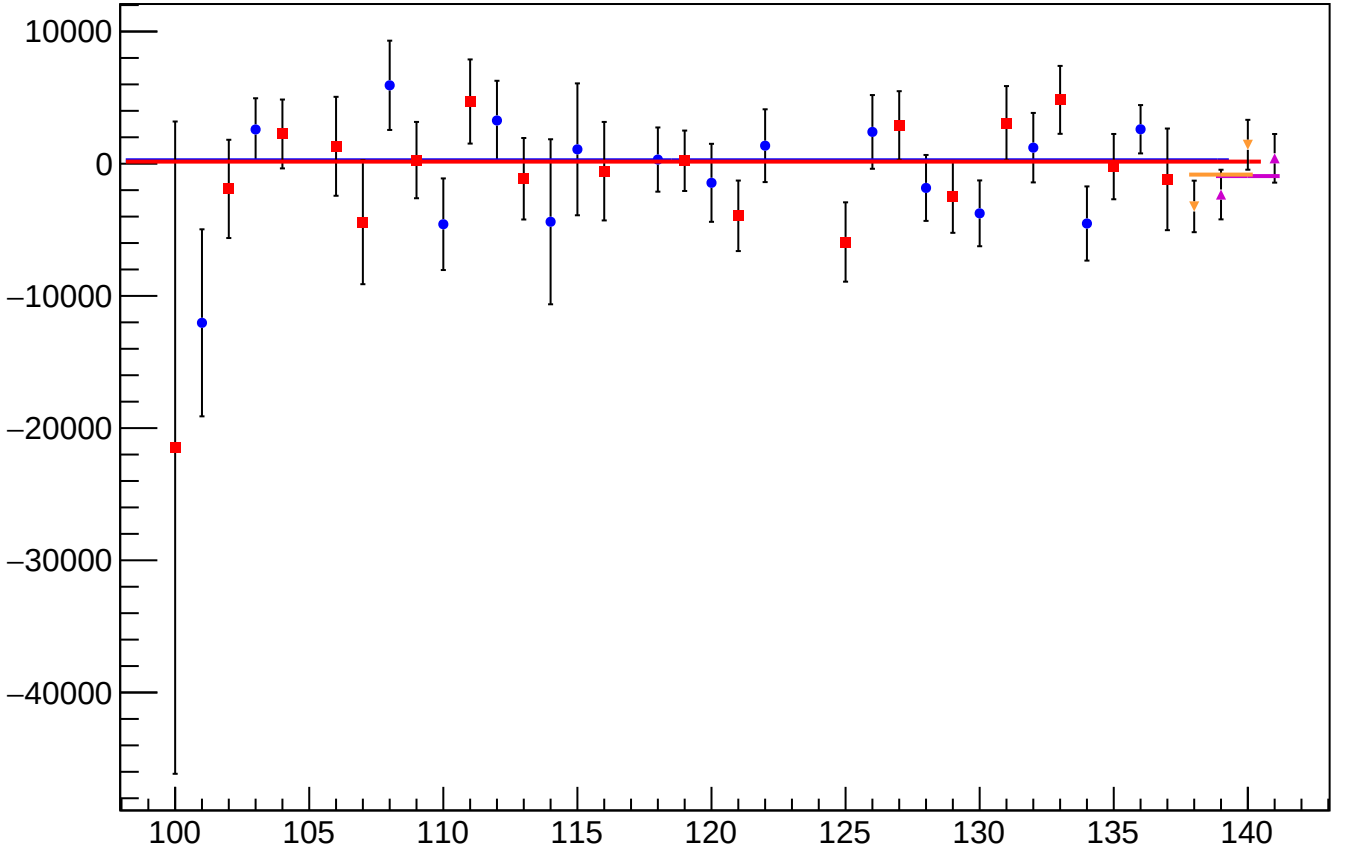
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:1949593.0/17

Out: 0.000+/-0.000 χ^2/NDF:3368616.5/19

All: 0.000+/-0.000 χ^2/NDF: 5638274.7/37

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -823.021+/-1355.477 χ^2/NDF:3.0/1

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -935.193+/-1313.674 χ^2/NDF:1.1/1

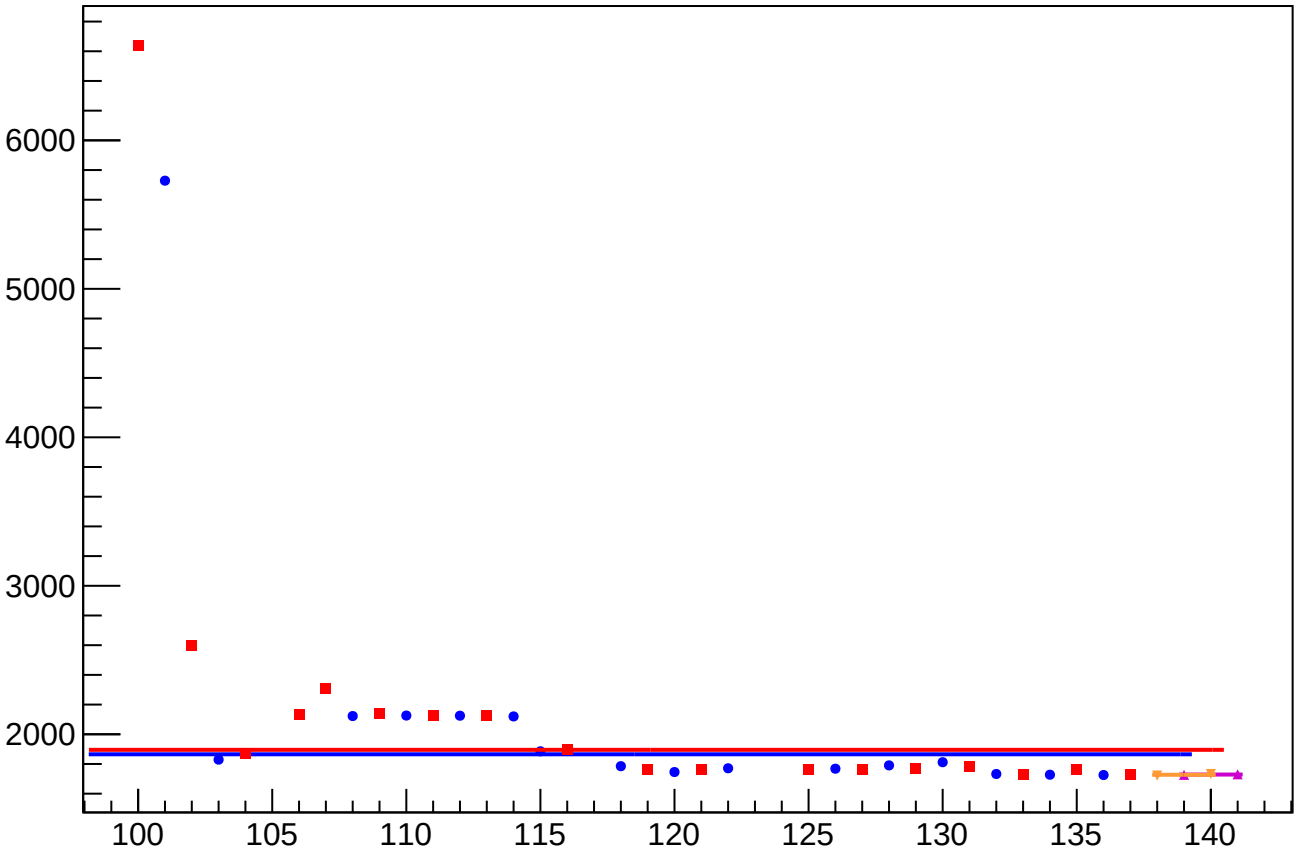
Left: -880.863+/-943.340 χ^2/NDF: 4.0/3

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -10.406+/-624.406 χ^2/NDF:21.2/17

Out: -53.250+/-630.550 χ^2/NDF:21.5/19

All: -31.618+/-443.678 χ^2/NDF: 42.6/37



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1727.219+/-0.958 χ^2/NDF:30.8/1

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1728.741+/-0.929 χ^2/NDF:4.2/1

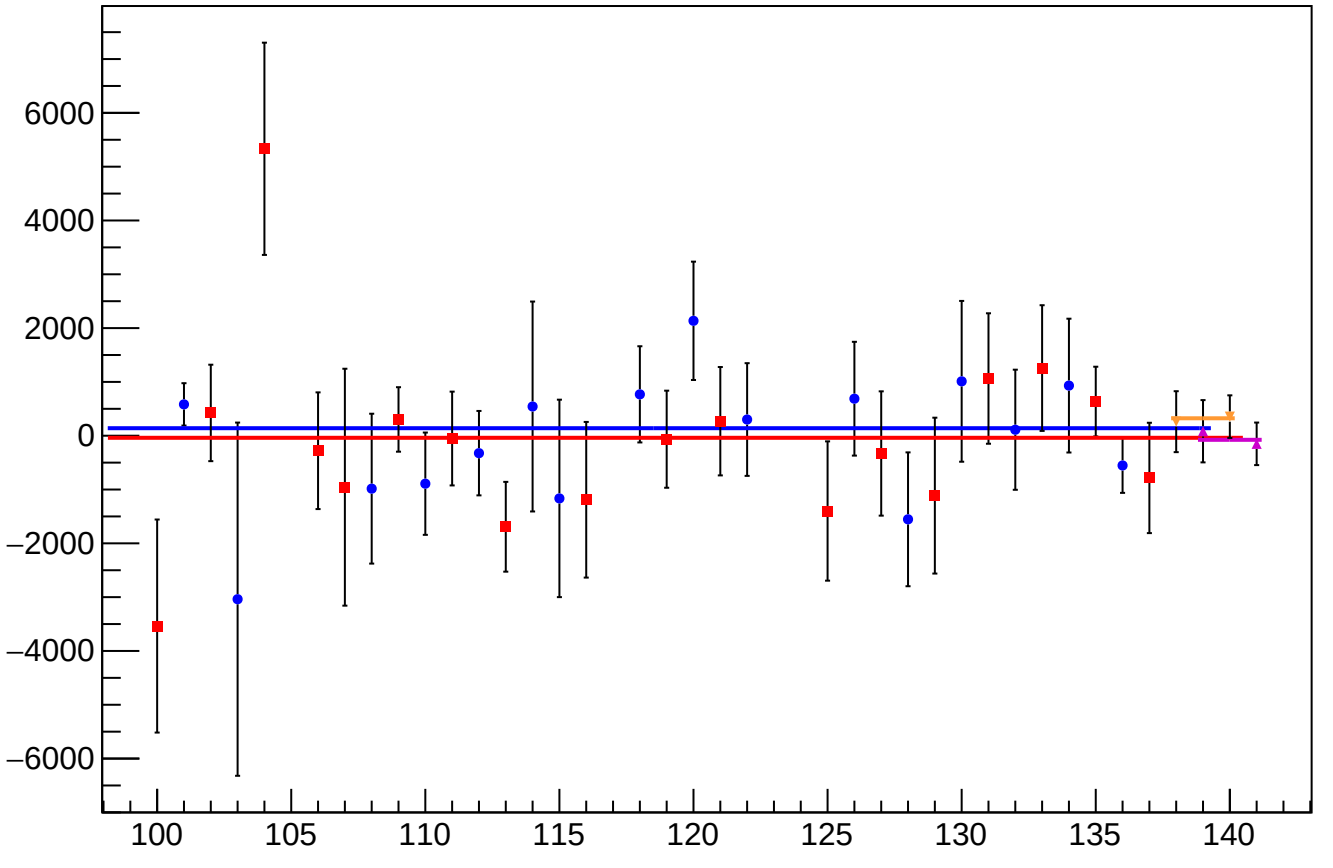
Left: 1728.004+/-0.667 χ^2/NDF: 36.2/3

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1834.348+/-0.442 χ^2/NDF:689426.5/17

Out: 1858.888+/-0.446 χ^2/NDF:274920.6/19

All: 1846.498+/-0.314 χ^2/NDF: 965876.6/37



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 324.019+/-324.367 χ^2/NDF:0.0/1

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -76.263+/-326.421 χ^2/NDF:0.1/1

Left: 125.142+/-230.085 χ^2/NDF: 0.9/3

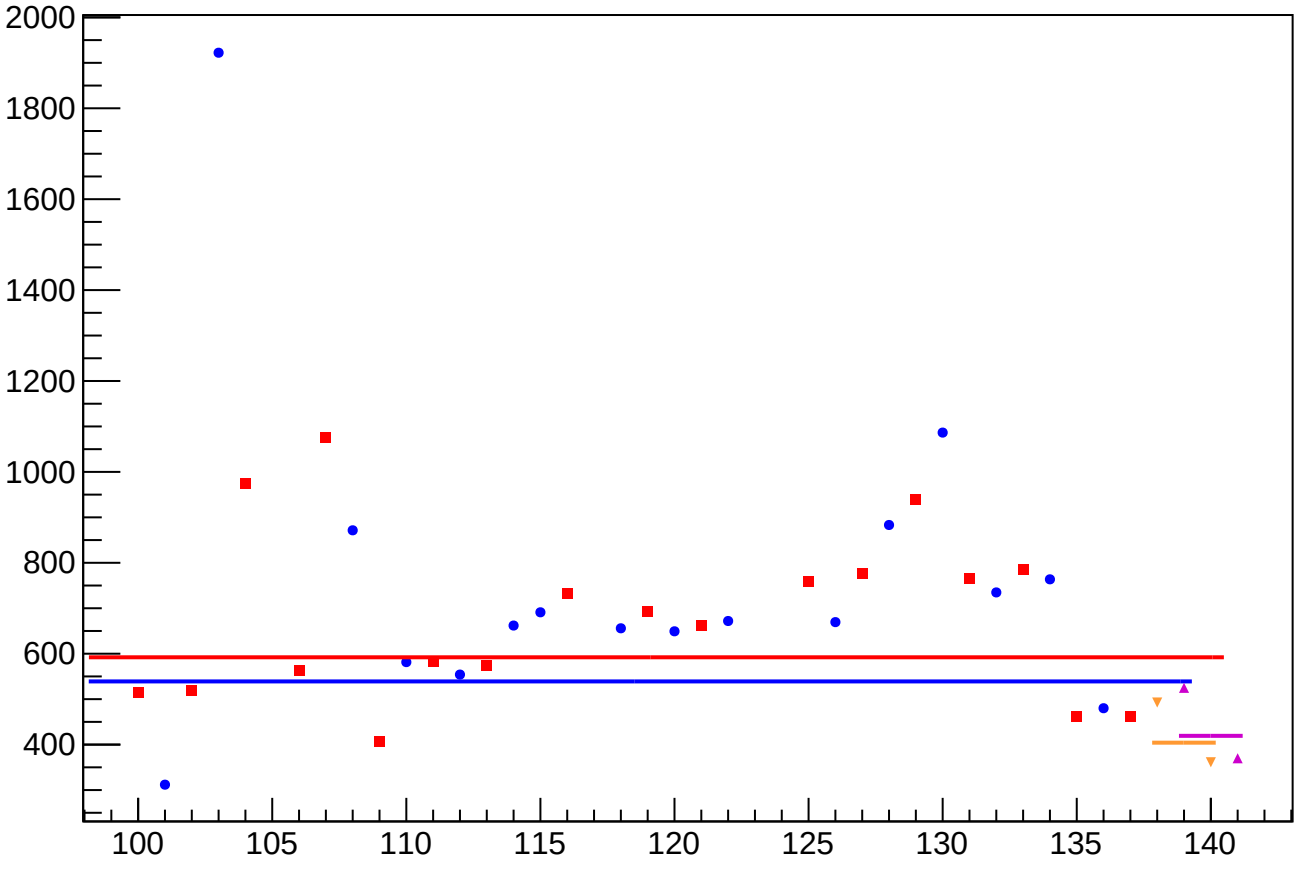
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 72.268+/-182.491 χ^2/NDF:13.9/17

Out: 88.459+/-192.020 χ^2/NDF:22.2/19

All: 79.952+/-132.281 χ^2/NDF: 36.1/37

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 404.260+/-0.229 χ^2/NDF:72410.0/1

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 419.292+/-0.231 χ^2/NDF:97824.0/1

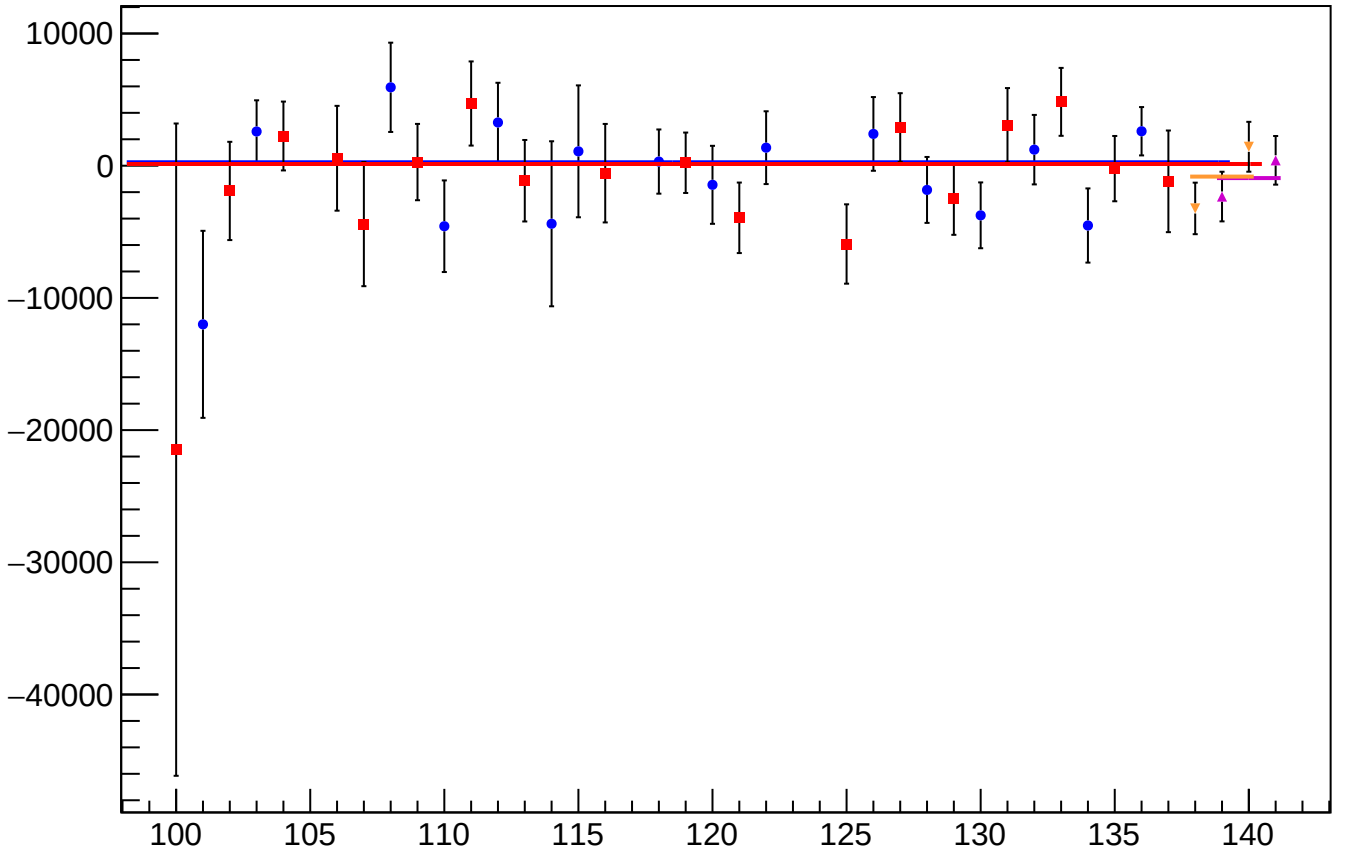
Left: 411.729+/-0.163 χ^2/NDF: 172368.2/3

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 501.596+/-0.129 χ^2/NDF:2137358.3/17

Out: 526.273+/-0.136 χ^2/NDF:1351141.9/19

All: 513.307+/-0.094 χ^2/NDF: 3505855.4/37



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -822.953+/-1355.477 χ^2/NDF:3.0/1

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -935.609+/-1313.674 χ^2/NDF:1.1/1

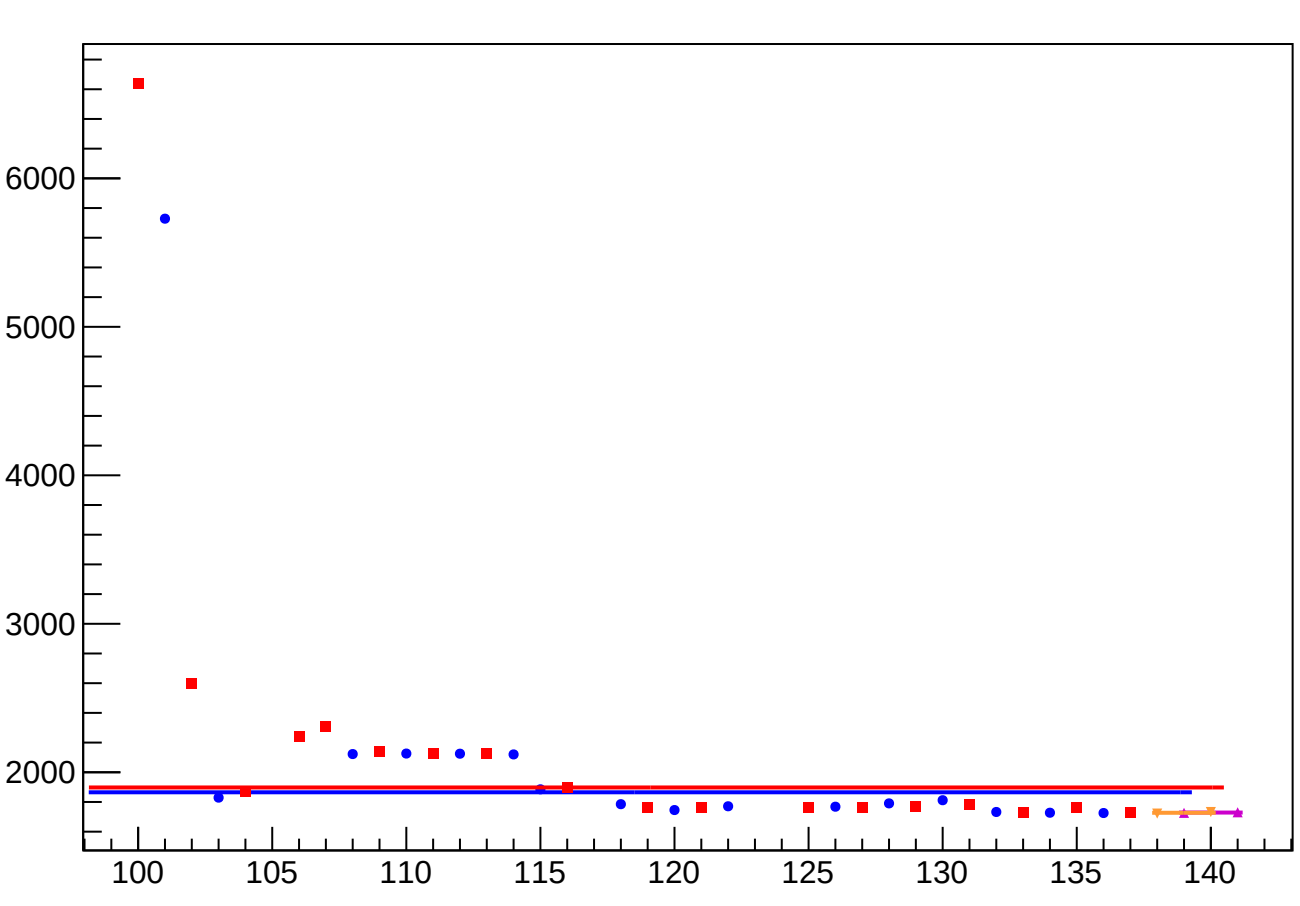
Left: -881.045+/-943.340 χ^2/NDF: 4.0/3

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -10.355+/-624.406 χ^2/NDF:21.1/17

Out: -76.819+/-631.527 χ^2/NDF:21.3/19

All: -43.210+/-444.018 χ^2/NDF: 42.5/37



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1727.219+/-0.958 χ^2/NDF:30.8/1

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1728.741+/-0.929 χ^2/NDF:4.2/1

Left: 1728.004+/-0.667 χ^2/NDF: 36.2/3

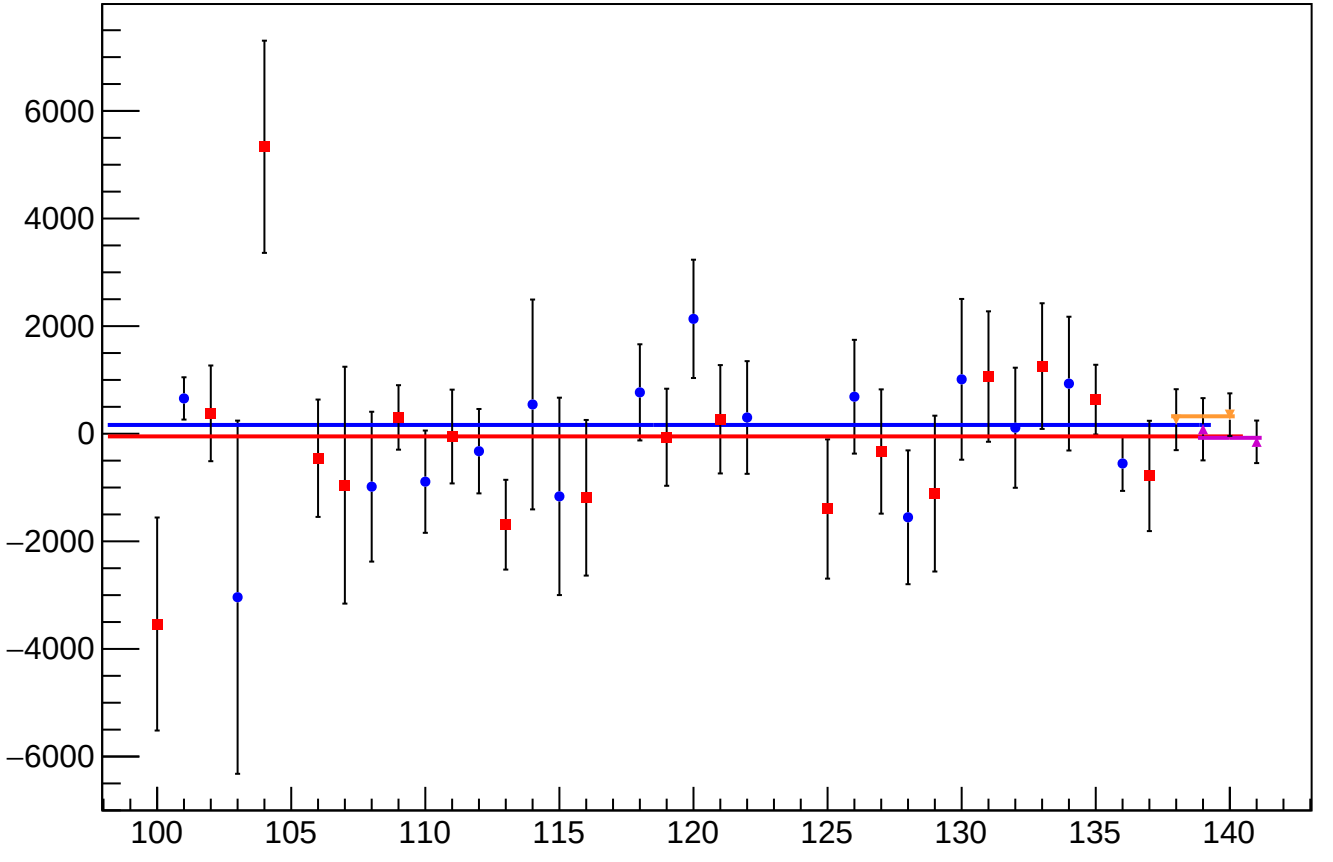
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1834.348+/-0.442 χ^2/NDF:689426.4/17

Out: 1860.694+/-0.447 χ^2/NDF:282535.4/19

All: 1847.372+/-0.314 χ^2/NDF: 973721.9/37

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 324.061+/-324.370 χ^2/NDF:0.0/1

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -76.137+/-326.408 χ^2/NDF:0.1/1

Left: 125.215+/-230.081 χ^2/NDF: 0.9/3

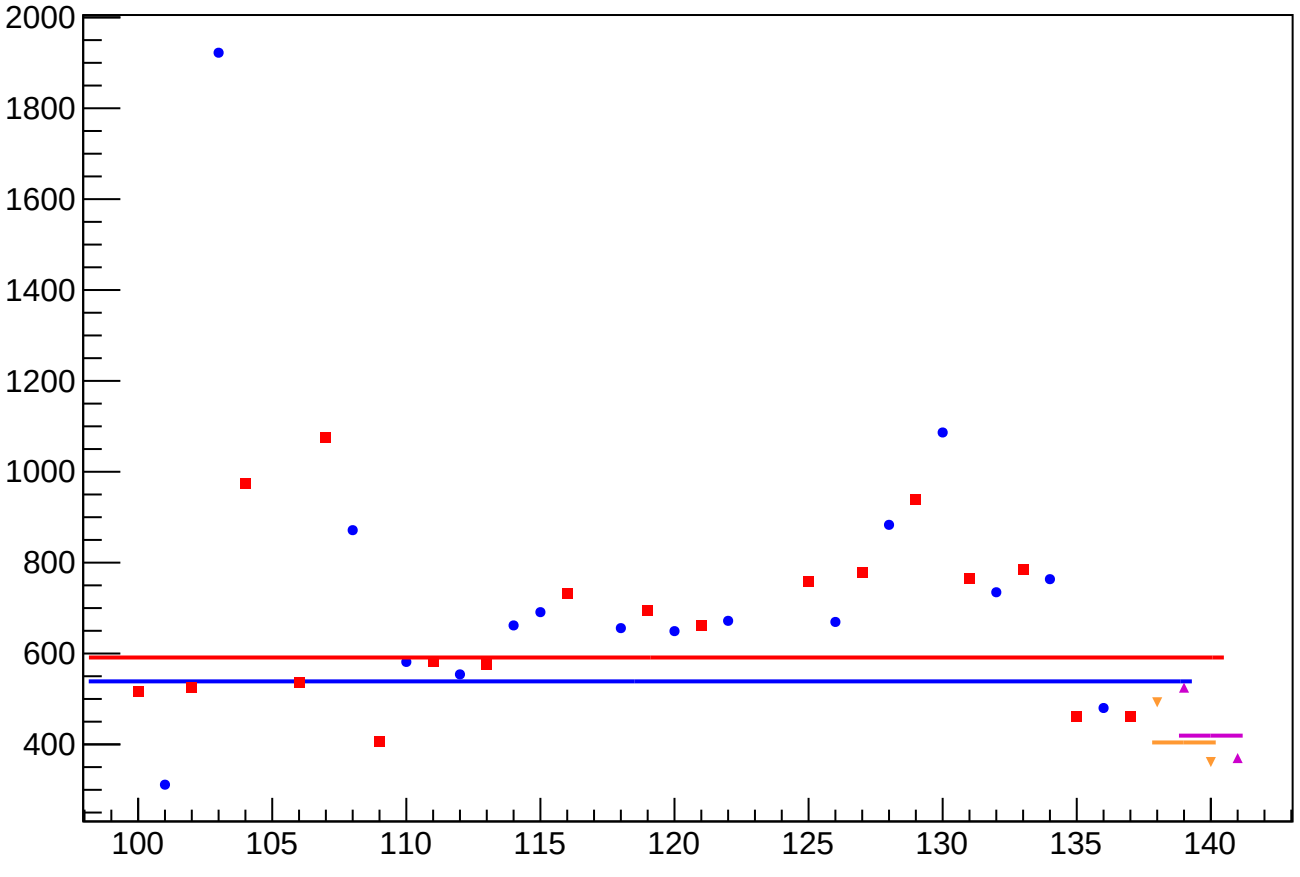
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 88.391+/-182.445 χ^2/NDF:14.4/17

Out: 81.295+/-191.992 χ^2/NDF:22.3/19

All: 85.024+/-132.254 χ^2/NDF: 36.7/37

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 404.266+/-0.229 χ^2/NDF:72418.2/1

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 419.276+/-0.231 χ^2/NDF:97821.2/1

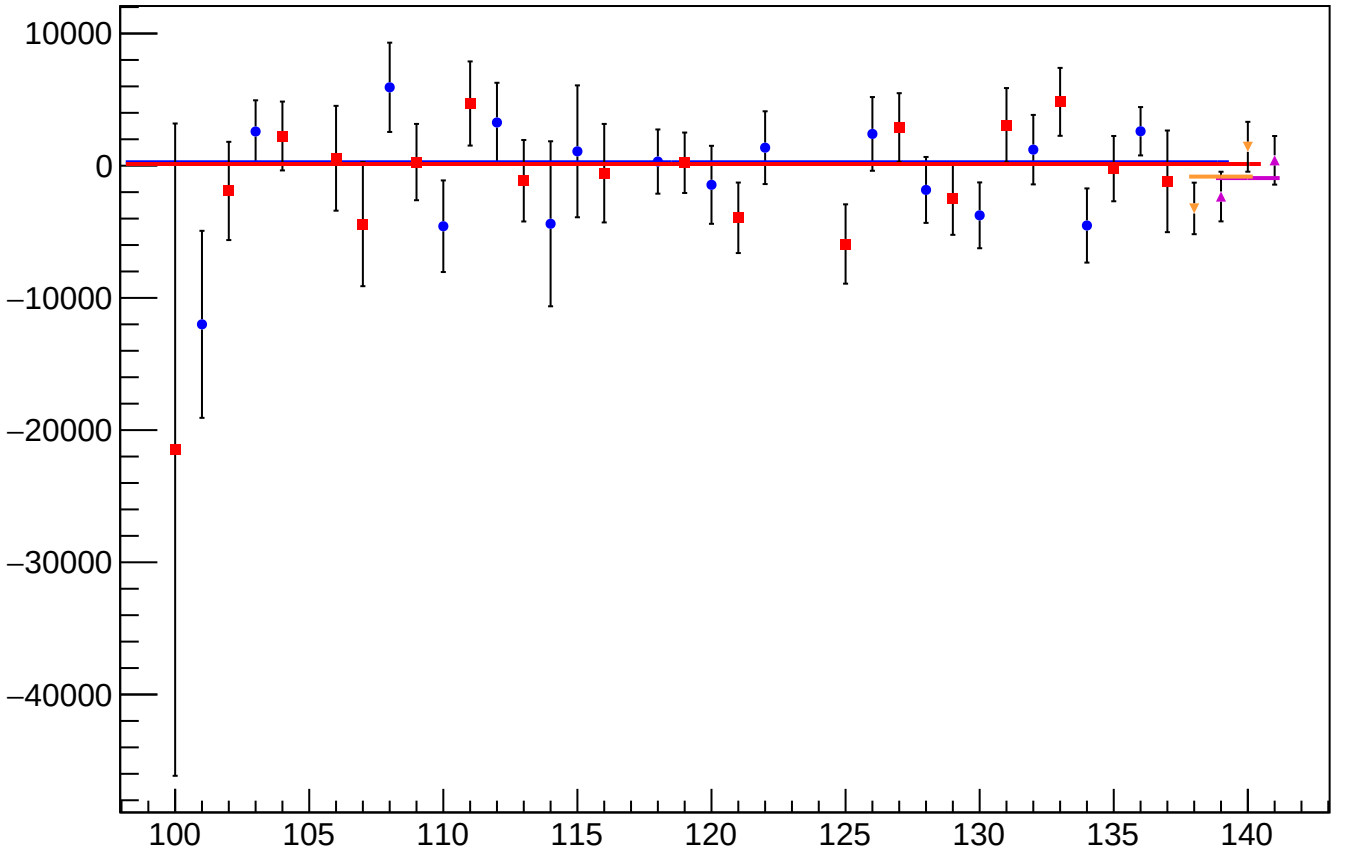
Left: 411.724+/-0.163 χ^2/NDF: 172367.2/3

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 501.391+/-0.129 χ^2/NDF:2140808.6/17

Out: 525.737+/-0.136 χ^2/NDF:1348679.3/19

All: 512.944+/-0.094 χ^2/NDF: 3506387.5/37



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -822.953+/-1355.477 χ^2/NDF:3.0/1

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -935.609+/-1313.674 χ^2/NDF:1.1/1

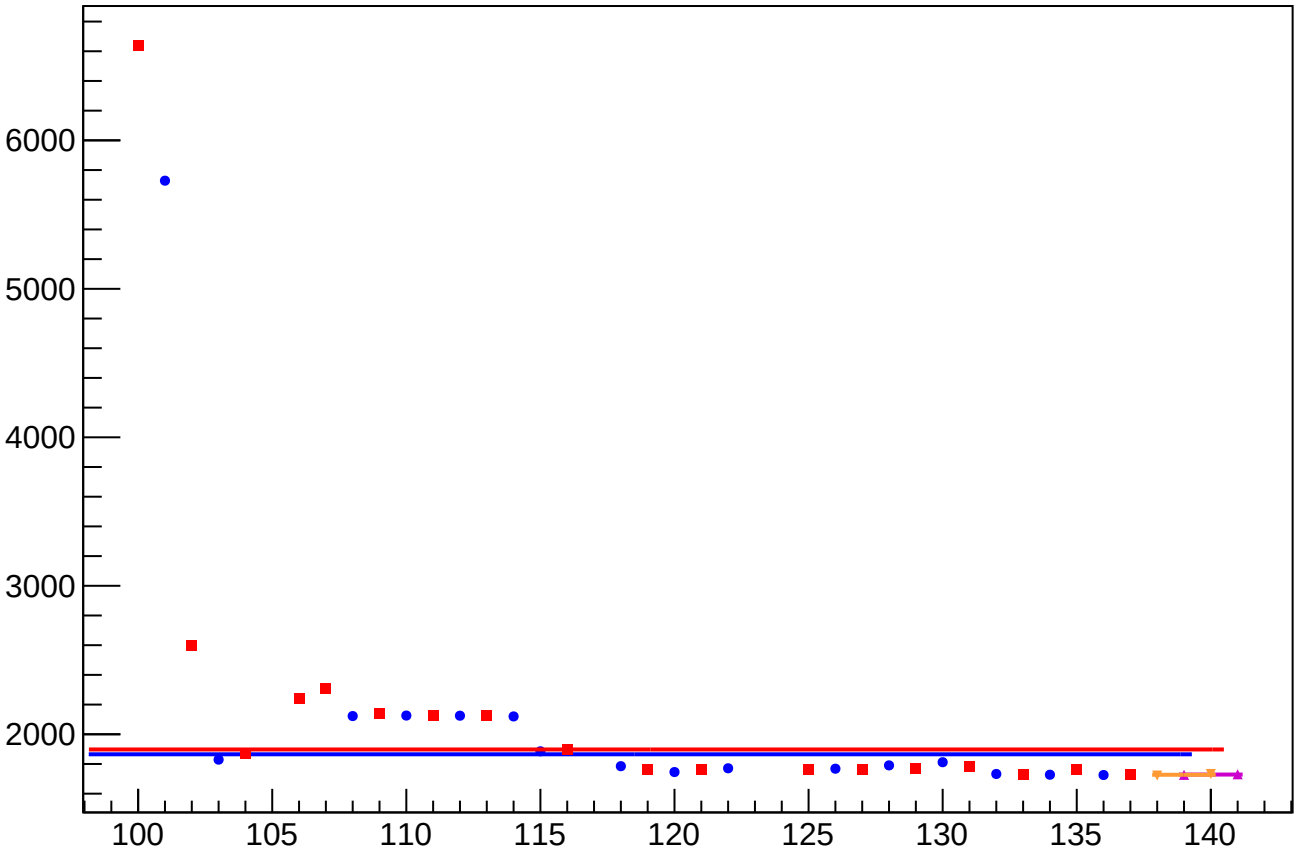
Left: -881.045+/-943.340 χ^2/NDF: 4.0/3

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -10.355+/-624.406 χ^2/NDF:21.1/17

Out: -76.819+/-631.527 χ^2/NDF:21.3/19

All: -43.210+/-444.018 χ^2/NDF: 42.5/37



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1727.219+/-0.958 χ^2/NDF:30.8/1

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1728.741+/-0.929 χ^2/NDF:4.2/1

Left: 1728.004+/-0.667 χ^2/NDF: 36.2/3

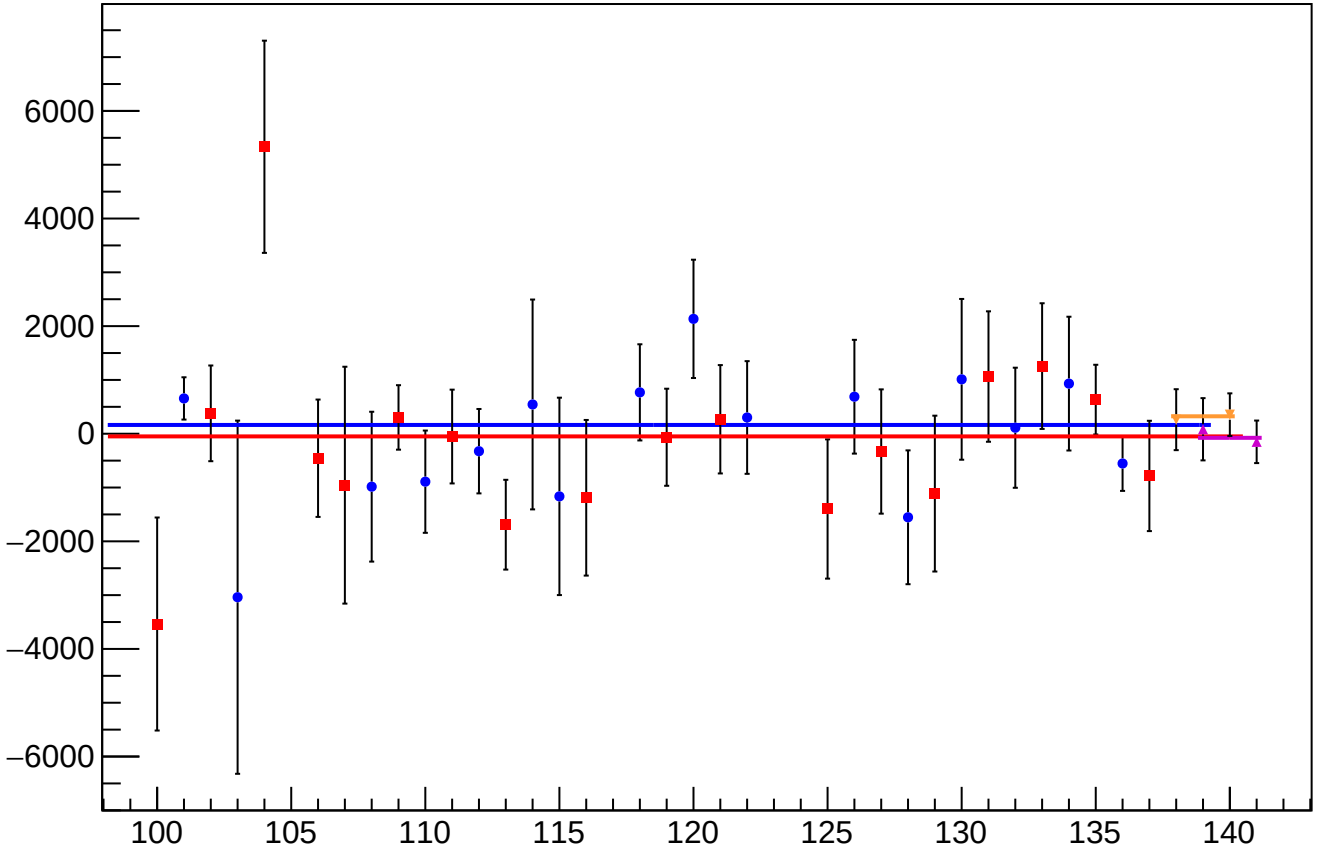
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1834.348+/-0.442 χ^2/NDF:689426.4/17

Out: 1860.694+/-0.447 χ^2/NDF:282535.4/19

All: 1847.372+/-0.314 χ^2/NDF: 973721.9/37

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 324.061+/-324.370 χ^2/NDF:0.0/1

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -76.137+/-326.408 χ^2/NDF:0.1/1

Left: 125.215+/-230.081 χ^2/NDF: 0.9/3

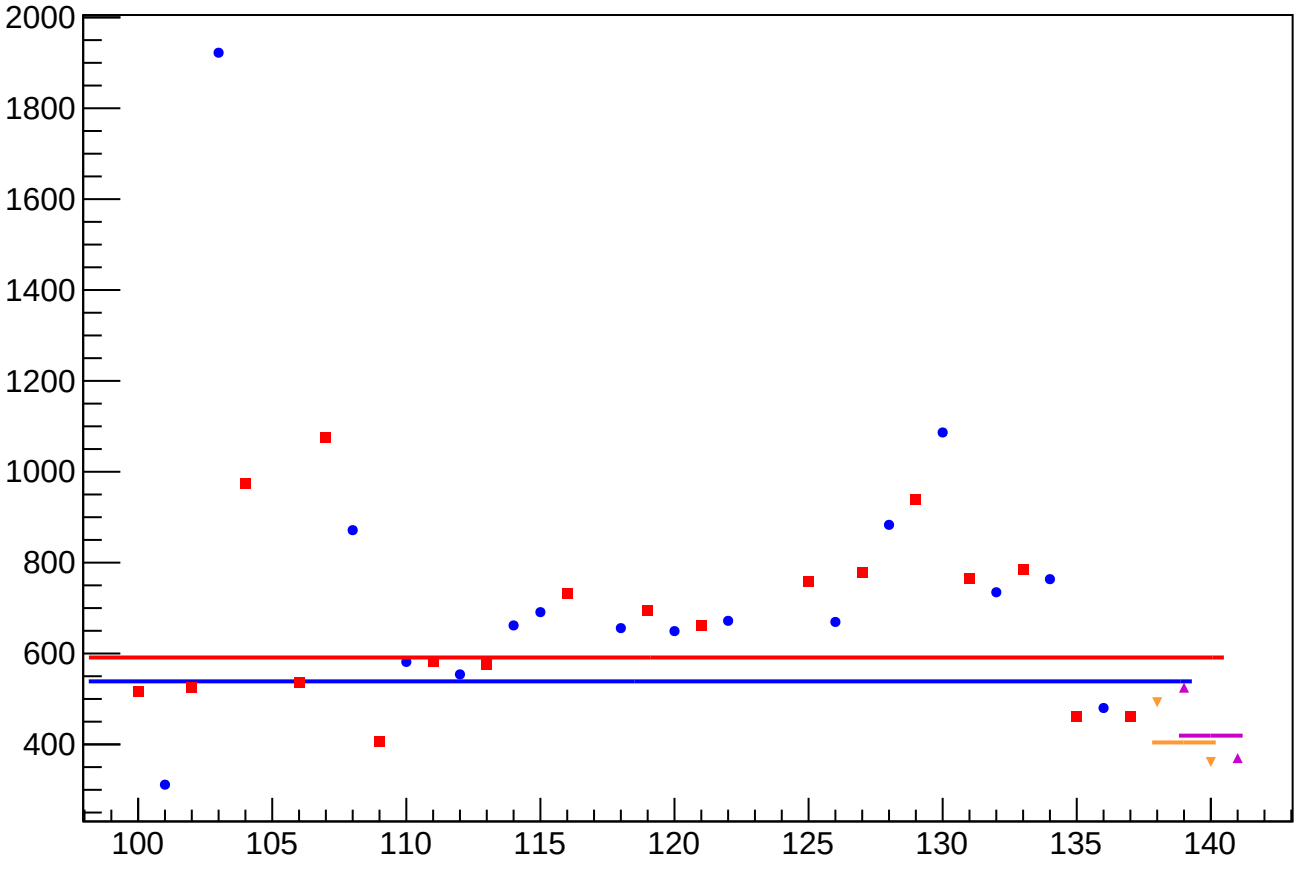
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 88.391+/-182.445 χ^2/NDF:14.4/17

Out: 81.295+/-191.992 χ^2/NDF:22.3/19

All: 85.024+/-132.254 χ^2/NDF: 36.7/37

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 404.266+/-0.229 χ^2/NDF:72418.2/1

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 419.276+/-0.231 χ^2/NDF:97821.2/1

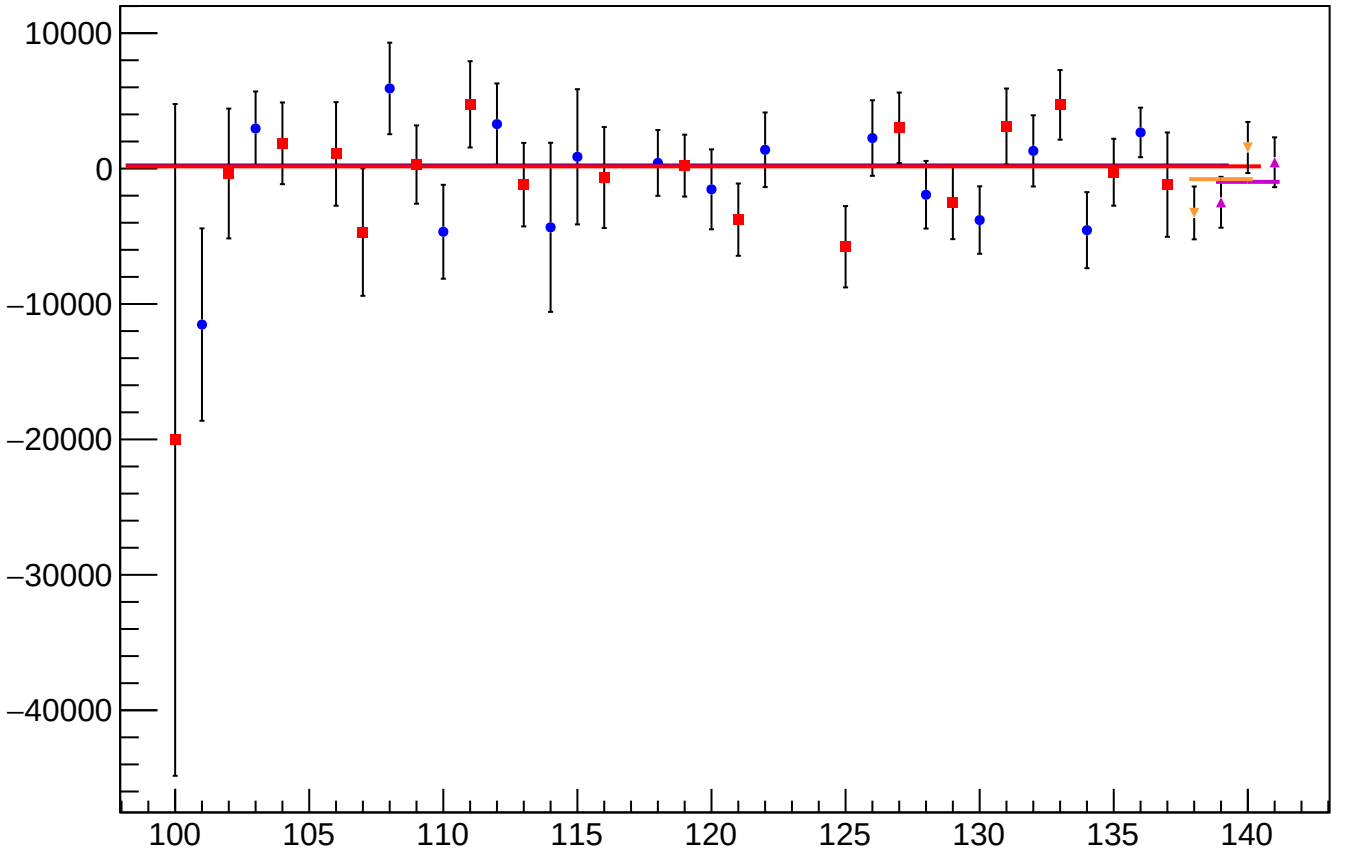
Left: 411.724+/-0.163 χ^2/NDF: 172367.2/3

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 501.391+/-0.129 χ^2/NDF:2140808.6/17

Out: 525.737+/-0.136 χ^2/NDF:1348679.3/19

All: 512.944+/-0.094 χ^2/NDF: 3506387.5/37



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -780.453+/-1356.337 χ^2/NDF:3.2/1

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -980.938+/-1314.597 χ^2/NDF:1.3/1

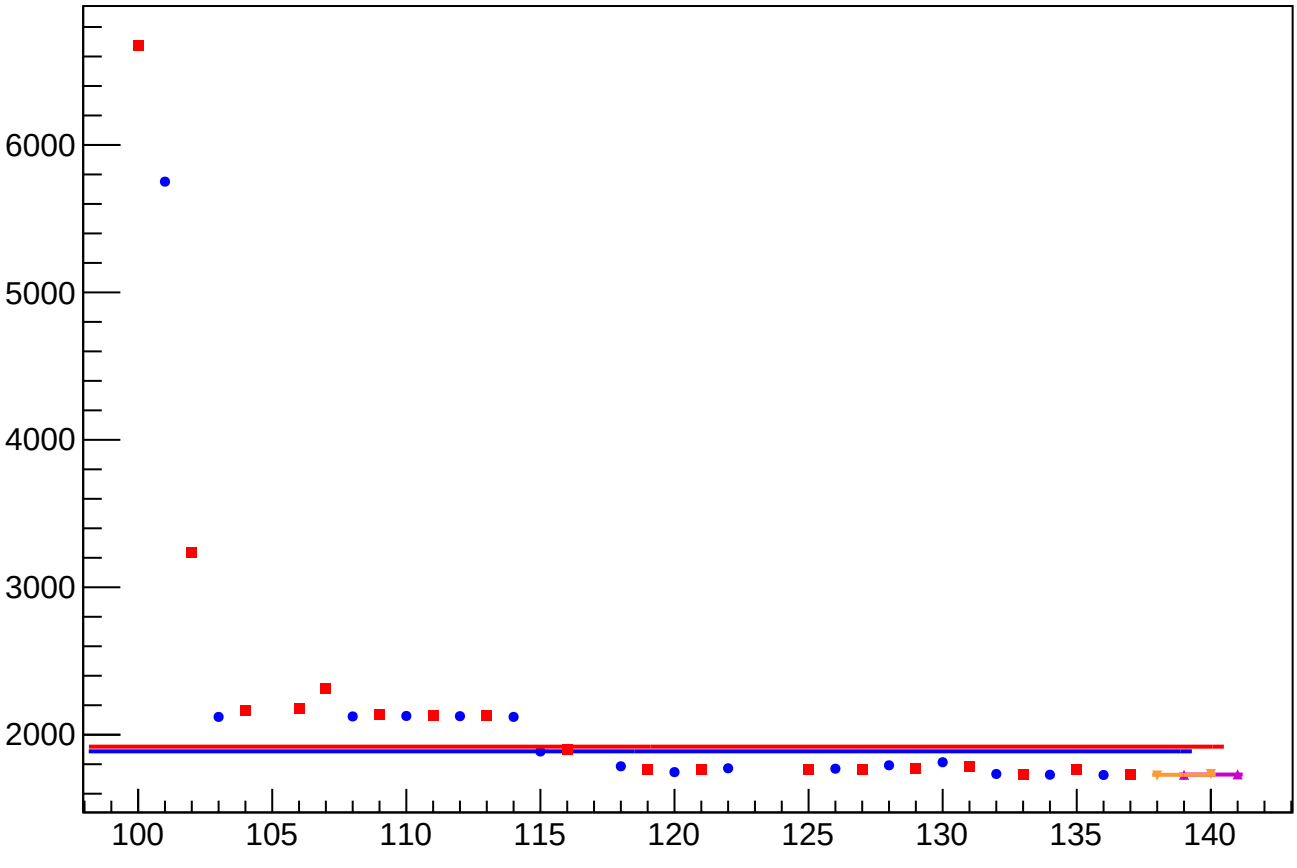
Left: -883.828+/-943.972 χ^2/NDF: 4.4/3

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -51.470+/-630.514 χ^2/NDF:21.3/17

Out: -46.466+/-639.936 χ^2/NDF:20.6/19

All: -49.005+/-449.135 χ^2/NDF: 41.9/37



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1728.315+/-0.959 χ^2/NDF:30.5/1

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1729.943+/-0.930 χ^2/NDF:3.0/1

Left: 1729.154+/-0.667 χ^2/NDF: 35.0/3

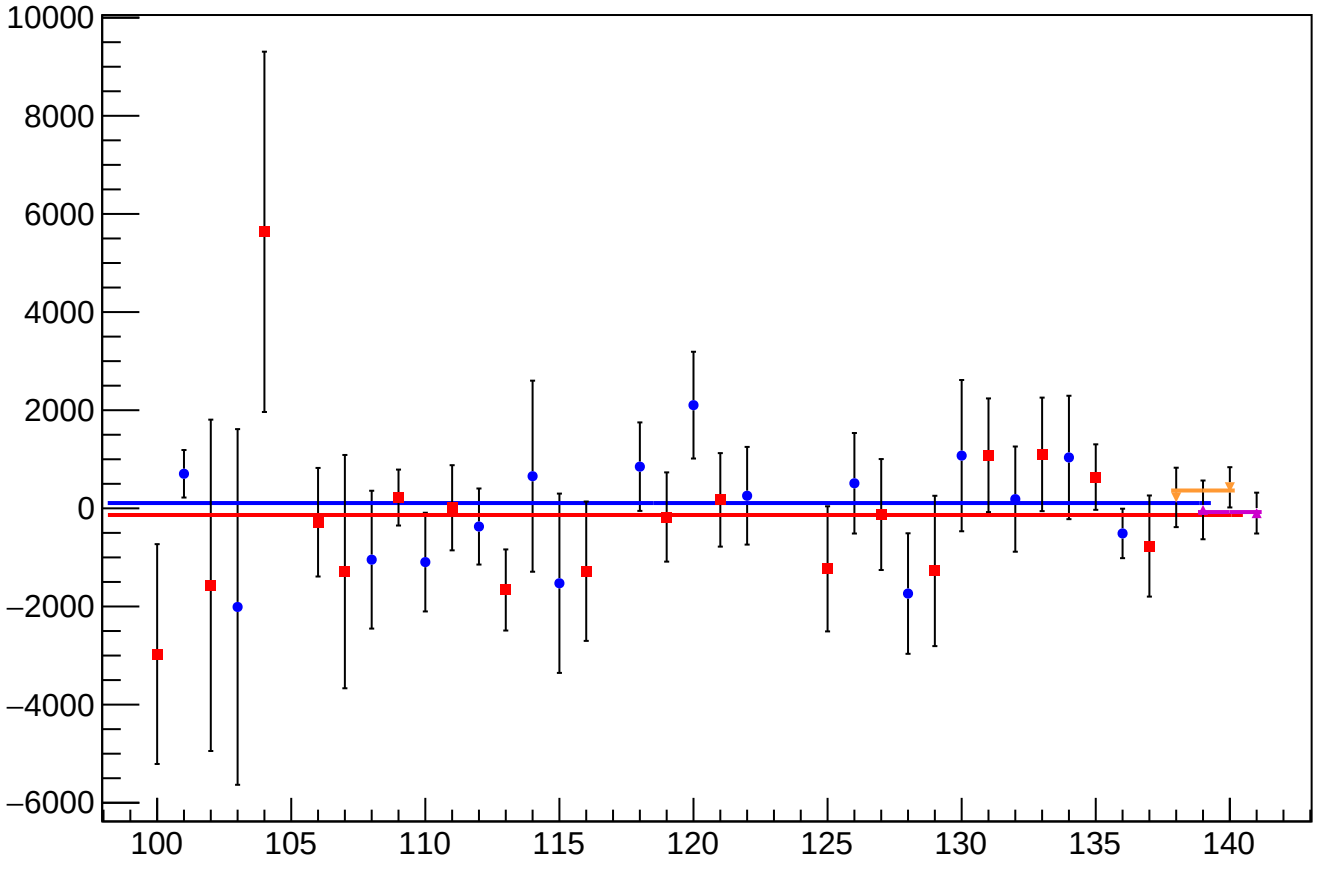
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1851.109+/-0.446 χ^2/NDF:711512.4/17

Out: 1876.680+/-0.453 χ^2/NDF:383381.1/19

All: 1863.705+/-0.318 χ^2/NDF: 1096513.8/37

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 363.798+/-339.607 χ^2/NDF:0.1/1

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -75.333+/-341.769 χ^2/NDF:0.0/1

Left: 145.626+/-240.899 χ^2/NDF: 0.9/3

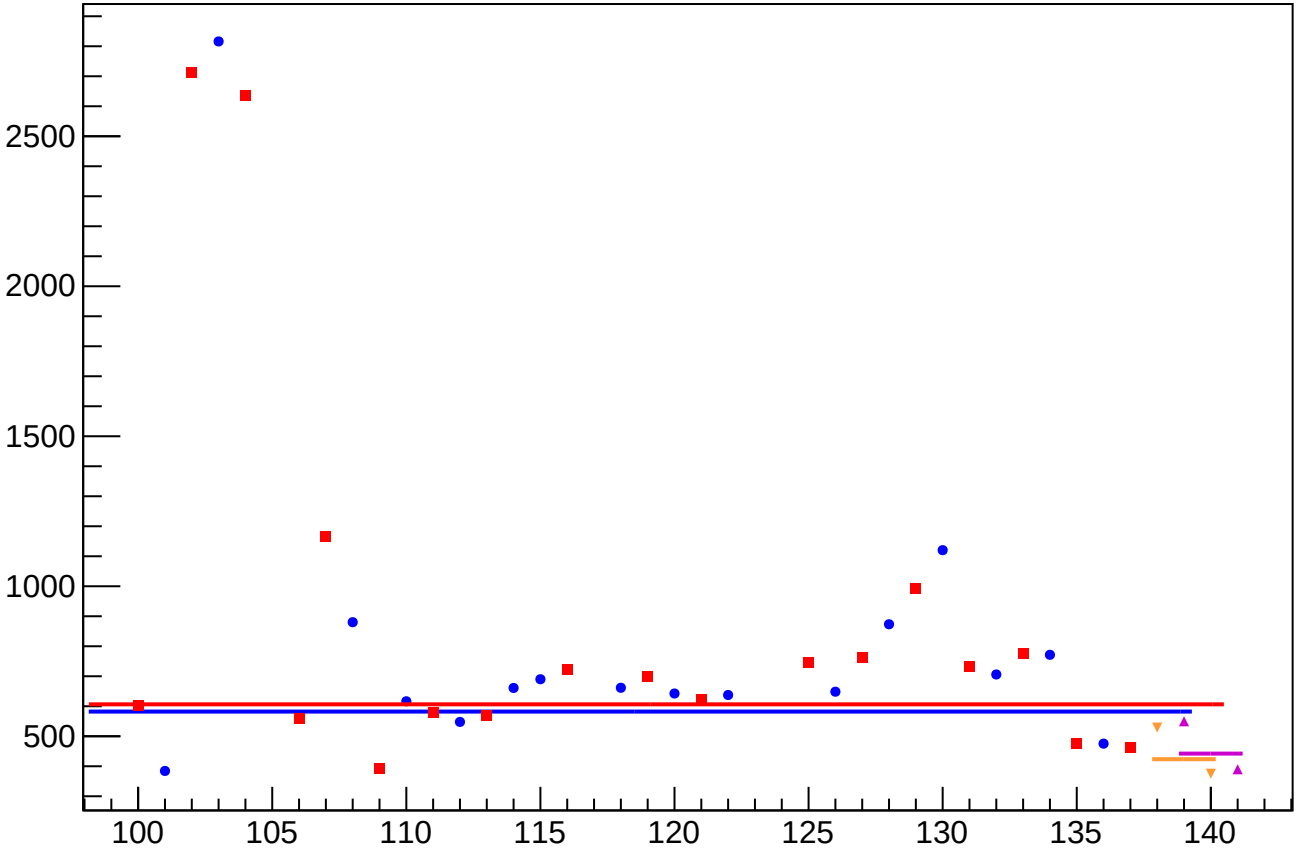
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 50.358+/-191.788 χ^2/NDF:14.4/17

Out: 36.359+/-199.189 χ^2/NDF:15.9/19

All: 43.623+/-138.157 χ^2/NDF: 30.2/37

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 423.540+/-0.240 χ^2/NDF:88402.4/1

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 442.180+/-0.242 χ^2/NDF:96214.4/1

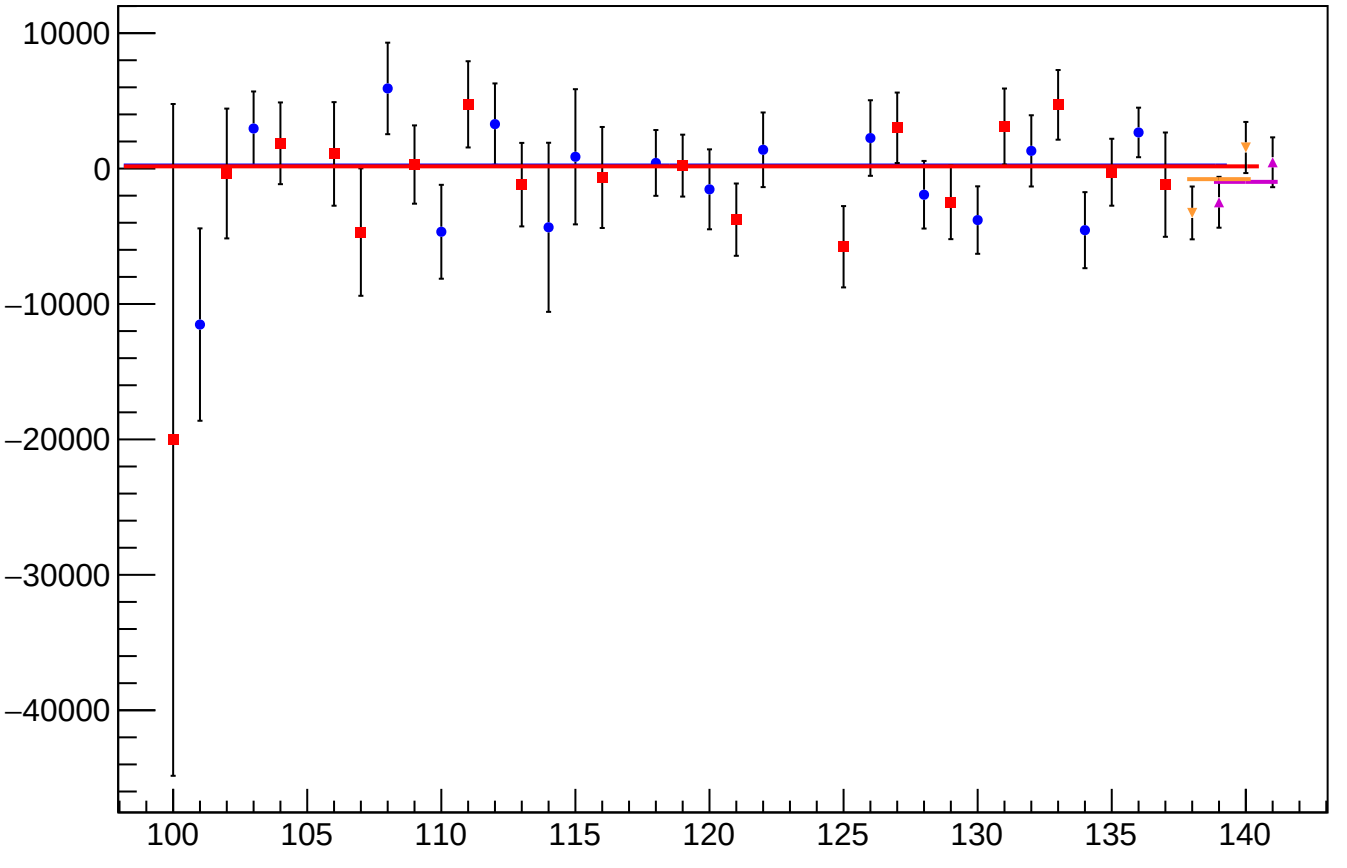
Left: 432.801+/-0.170 χ^2/NDF: 187610.1/3

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 538.155+/-0.136 χ^2/NDF:2080730.6/17

Out: 543.527+/-0.141 χ^2/NDF:2667384.8/19

All: 540.739+/-0.098 χ^2/NDF: 4748870.2/37



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -780.450+/-1356.338 χ^2/NDF:3.2/1

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -980.938+/-1314.597 χ^2/NDF:1.3/1

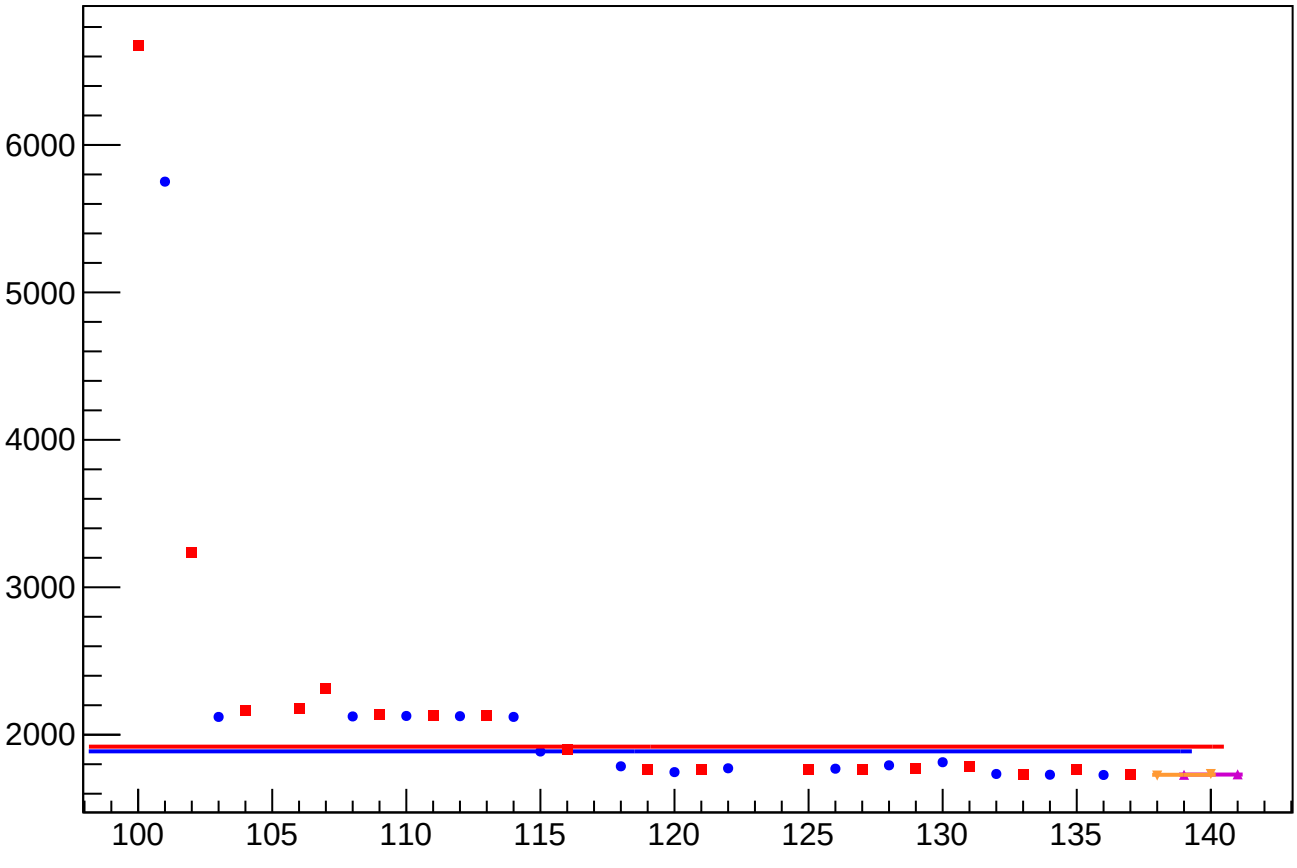
Left: -883.827+/-943.972 χ^2/NDF: 4.4/3

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: -51.469+/-630.514 χ^2/NDF:21.3/17

Out: -46.465+/-639.936 χ^2/NDF:20.6/19

All: -49.004+/-449.135 χ^2/NDF: 41.9/37



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1728.315+/-0.959 χ^2/NDF:30.5/1

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1729.943+/-0.930 χ^2/NDF:3.0/1

Left: 1729.154+/-0.667 χ^2/NDF: 35.0/3

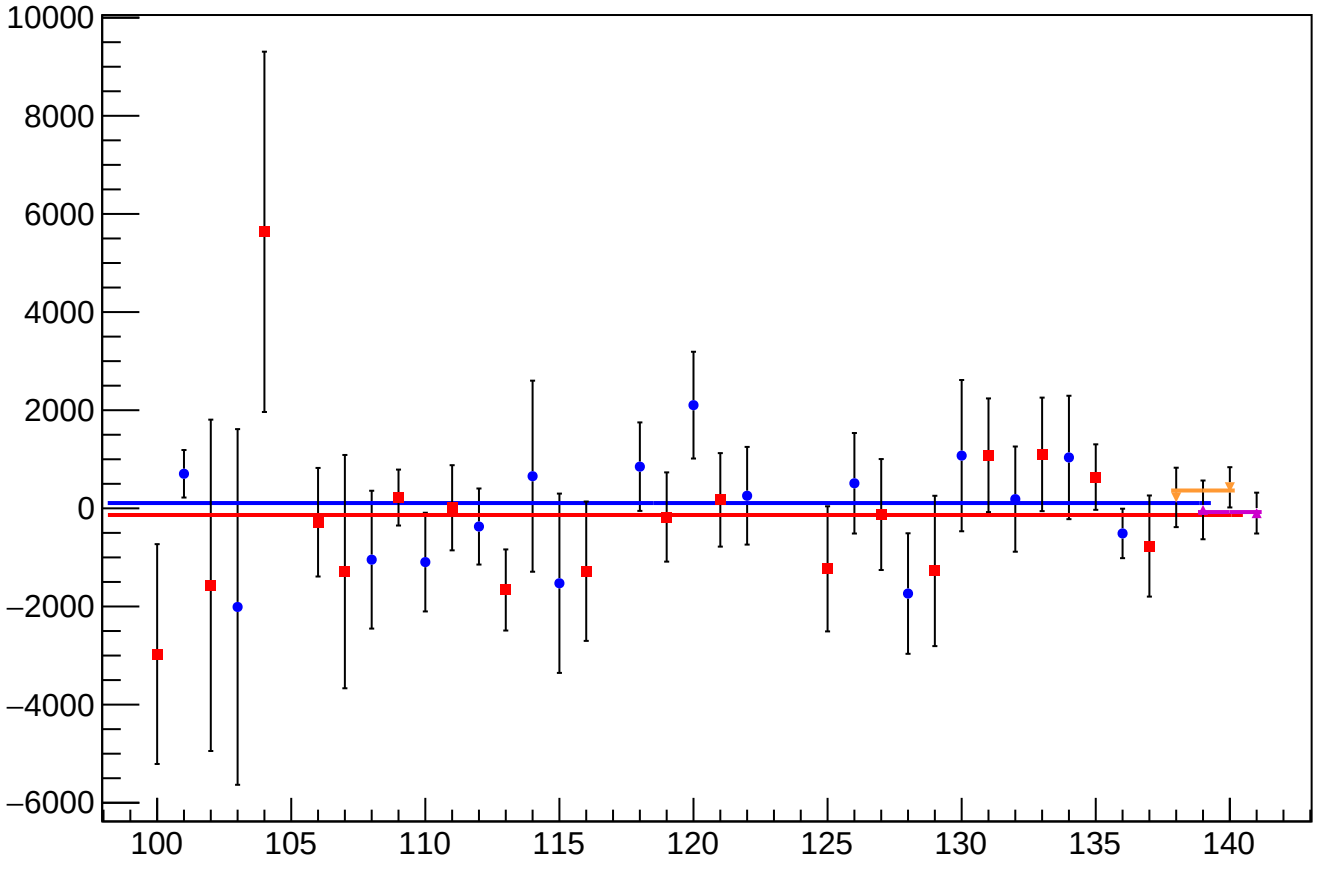
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1851.109+/-0.446 χ^2/NDF:711512.1/17

Out: 1876.680+/-0.453 χ^2/NDF:383380.3/19

All: 1863.705+/-0.318 χ^2/NDF: 1096512.7/37

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 363.800+/-339.608 χ^2/NDF:0.1/1

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -75.333+/-341.771 χ^2/NDF:0.0/1

Left: 145.627+/-240.900 χ^2/NDF: 0.9/3

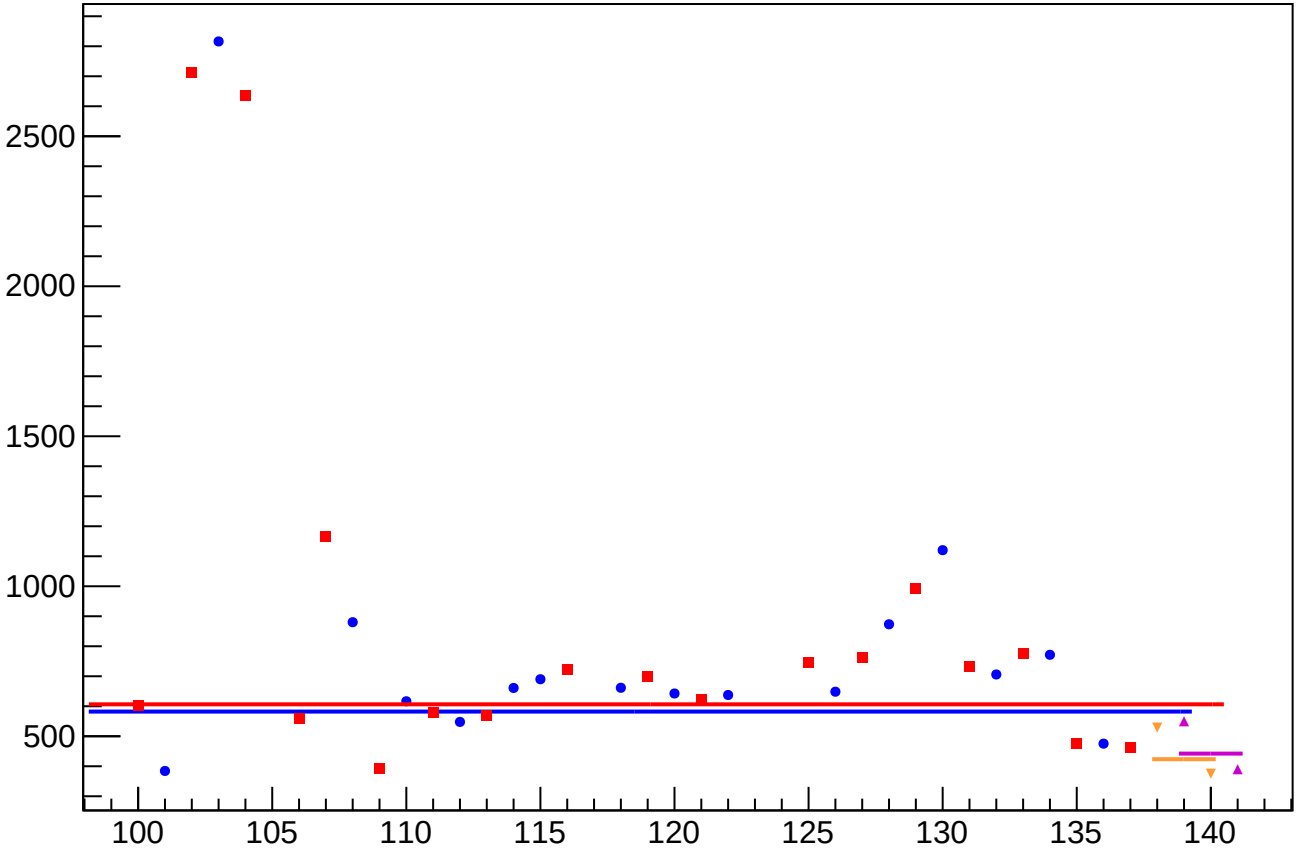
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 50.356+/-191.788 χ^2/NDF:14.4/17

Out: 36.358+/-199.188 χ^2/NDF:15.9/19

All: 43.622+/-138.157 χ^2/NDF: 30.2/37

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 423.542+/-0.240 χ^2/NDF:88403.8/1

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 442.181+/-0.242 χ^2/NDF:96215.9/1

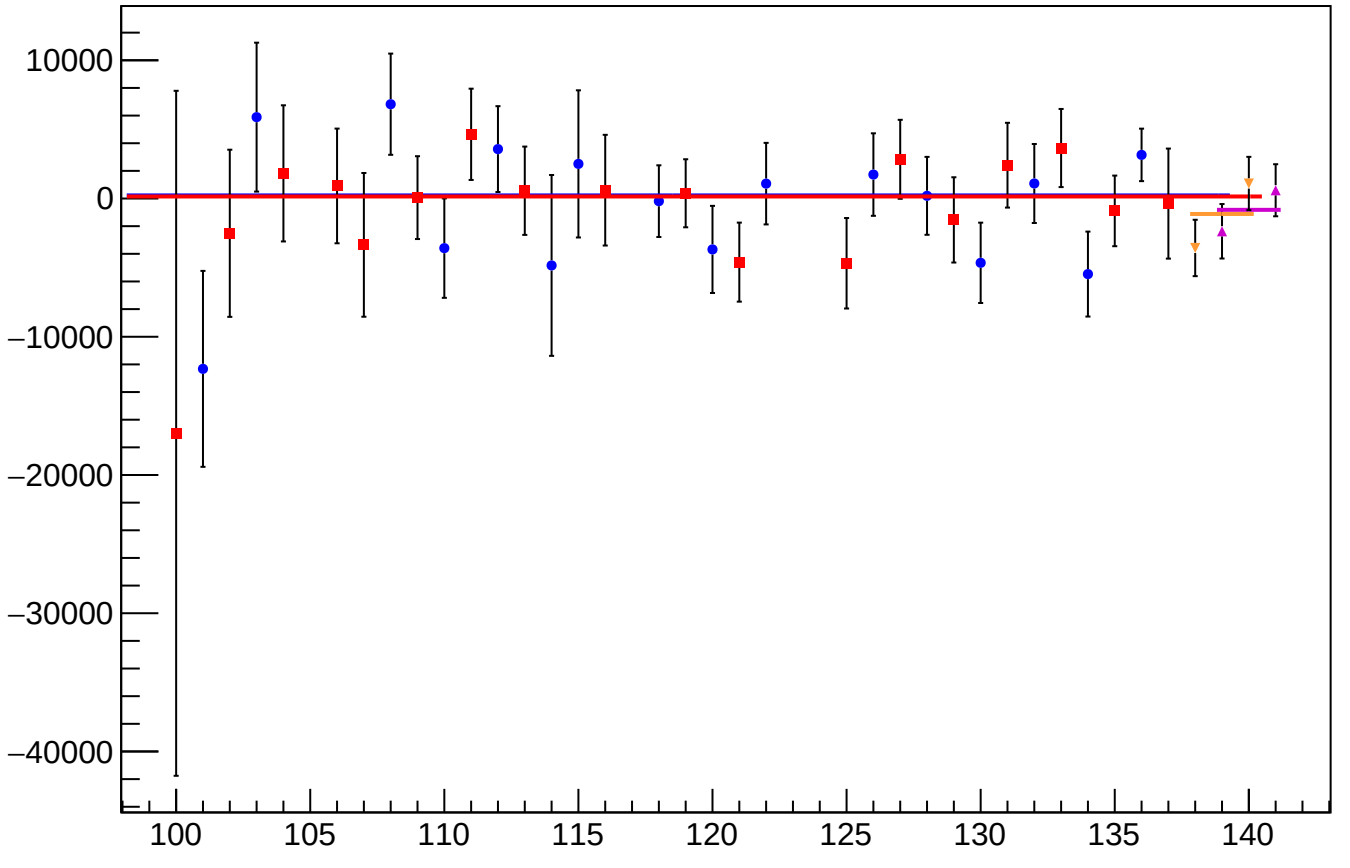
Left: 432.802+/-0.170 χ^2/NDF: 187612.9/3

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 538.155+/-0.136 χ^2/NDF:2080709.0/17

Out: 543.526+/-0.141 χ^2/NDF:2667378.6/19

All: 540.739+/-0.098 χ^2/NDF: 4748842.3/37



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -1117.465+/-1401.389 χ^2/NDF:2.8/1

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -818.389+/-1361.333 χ^2/NDF:1.2/1

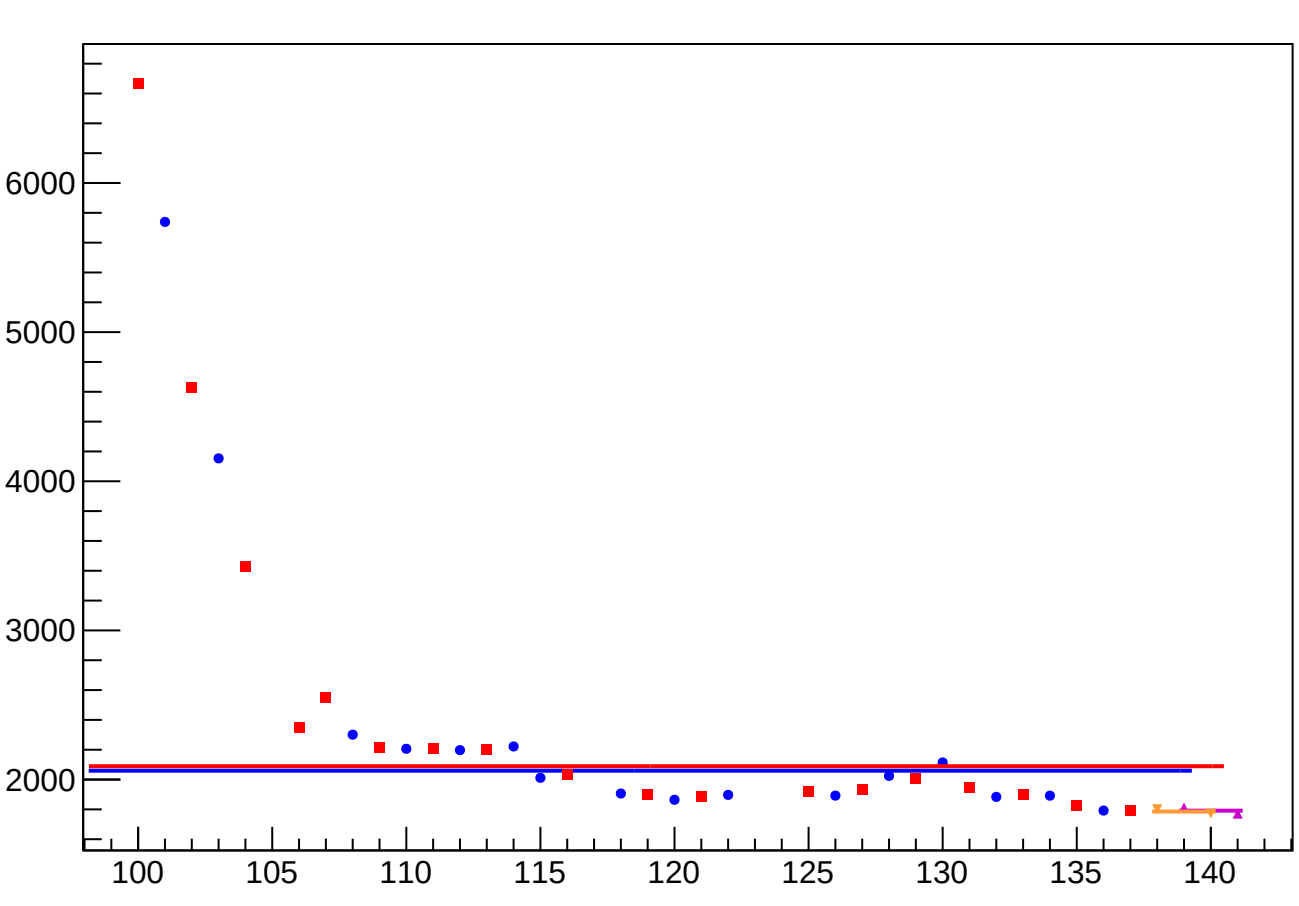
Left: -963.592+/-976.462 χ^2/NDF: 4.0/3

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -39.049+/-684.366 χ^2/NDF:22.8/17

Out: -159.640+/-690.942 χ^2/NDF:14.9/19

All: -98.768+/-486.228 χ^2/NDF: 37.8/37



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1785.611+/-0.991 χ^2/NDF:212.6/1

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1791.329+/-0.963 χ^2/NDF:453.1/1

Left: 1788.553+/-0.690 χ^2/NDF: 682.9/3

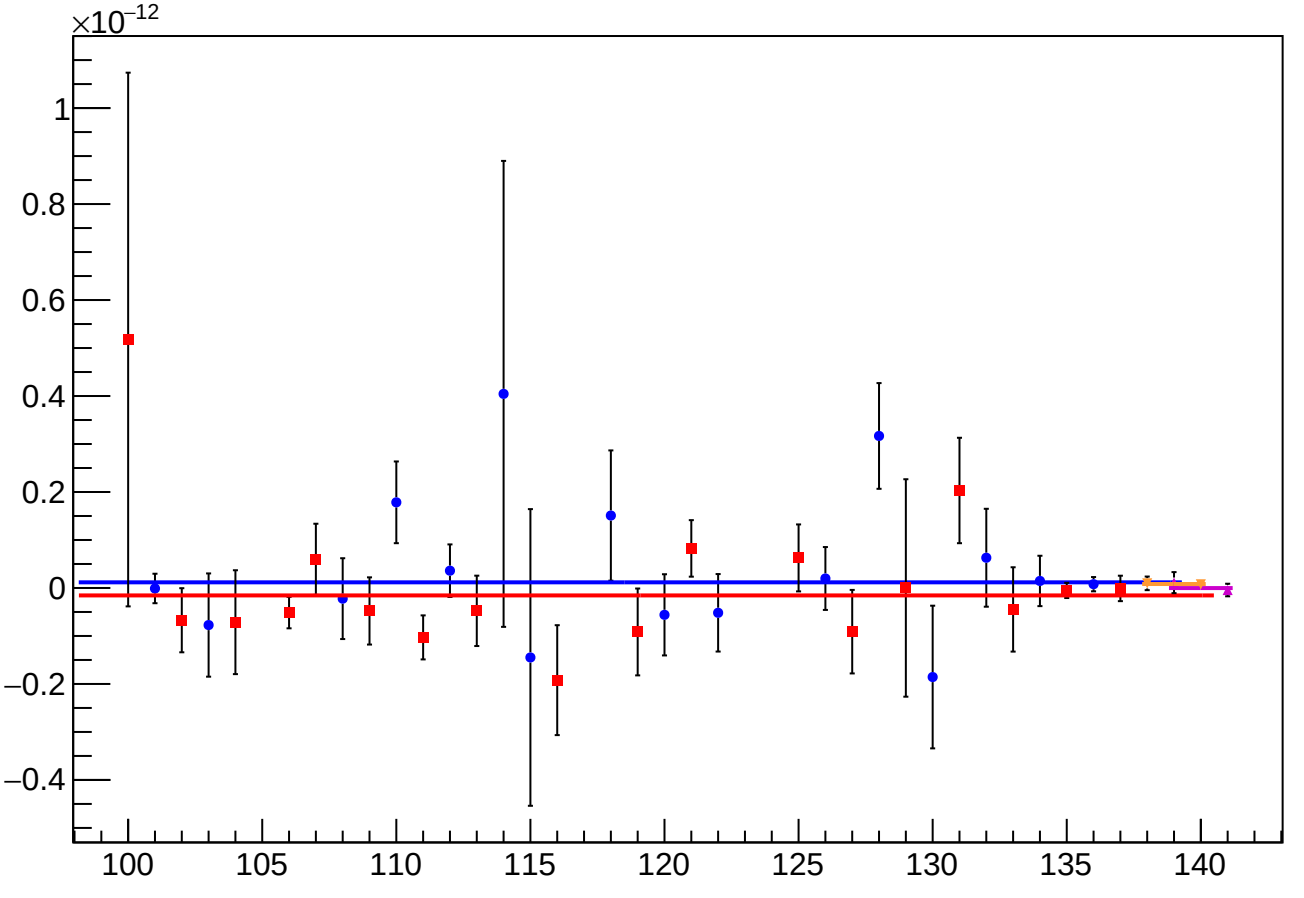
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1991.724+/-0.484 χ^2/NDF:998322.0/17

Out: 2015.611+/-0.489 χ^2/NDF:752852.2/19

All: 2003.553+/-0.344 χ^2/NDF: 1752380.9/37

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

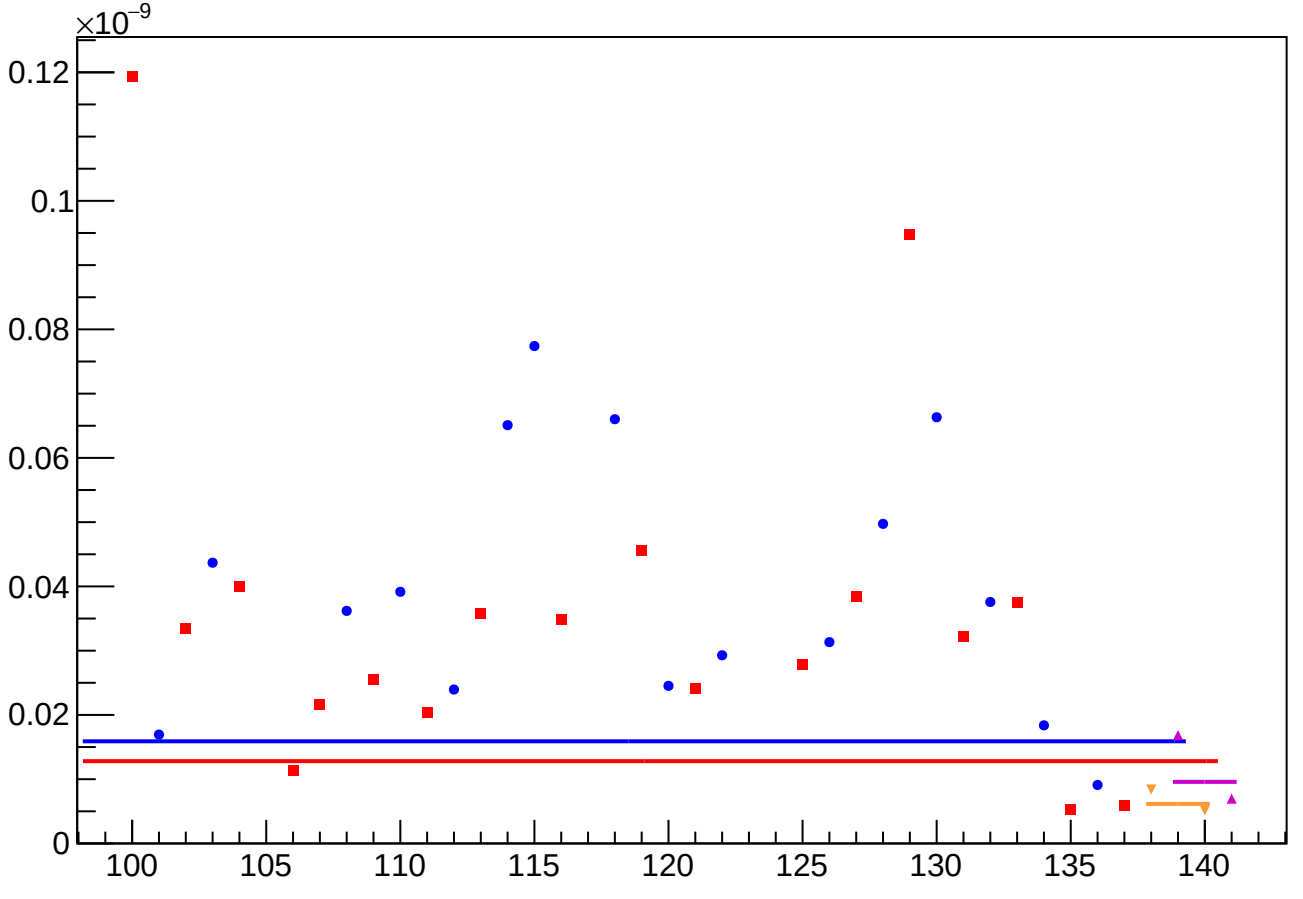
Left: 0.000+/-0.000 χ^2/NDF: 0.8/3

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

In: 0.000+/-0.000 χ^2/NDF:19.0/17

Out: -0.000+/-0.000 χ^2/NDF:23.9/19

All: 0.000+/-0.000 χ^2/NDF: 43.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:72228.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:300562.4/1

Left: 0.000+/-0.000 χ^2/NDF: 496617.5/3

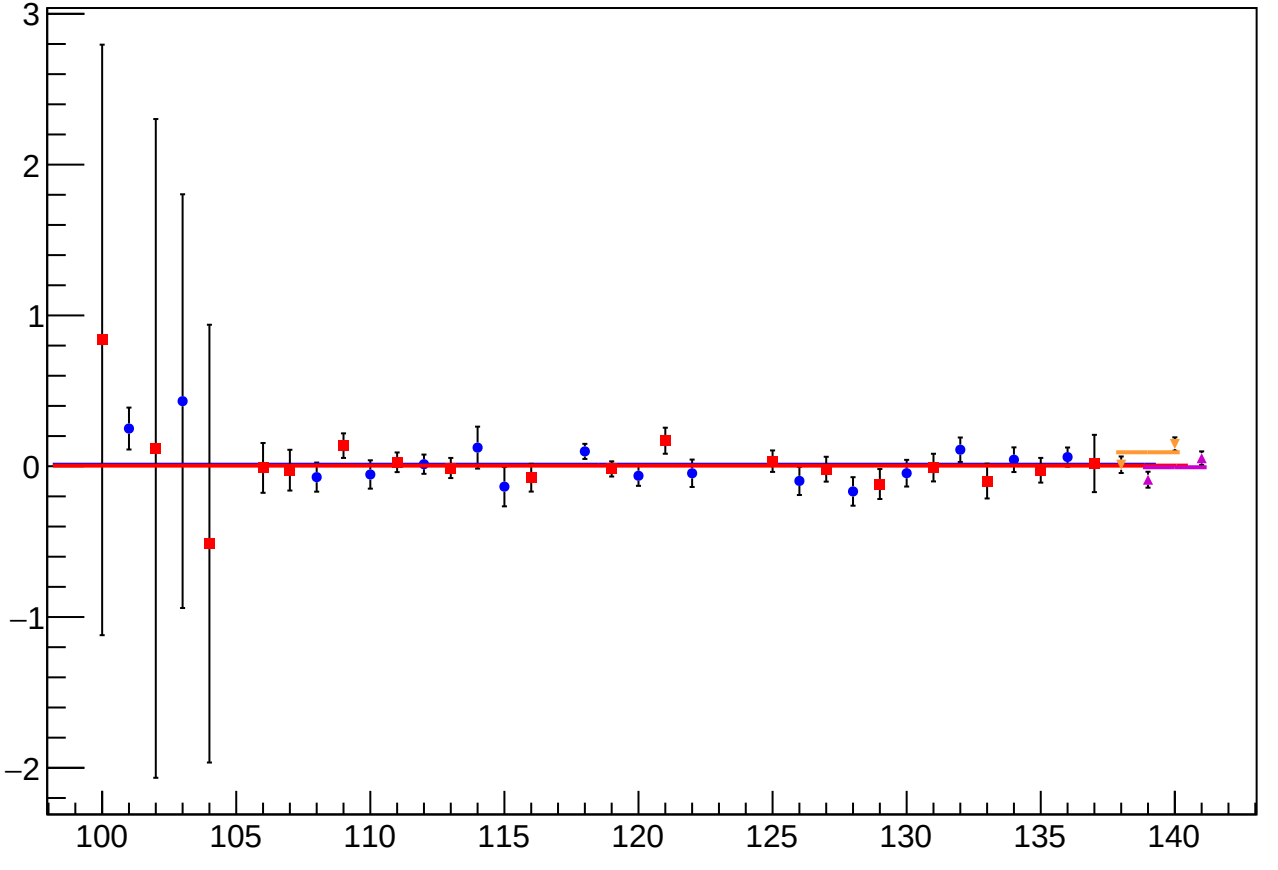
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:2542101.4/17

Out: 0.000+/-0.000 χ^2/NDF:3057450.2/19

All: 0.000+/-0.000 χ^2/NDF: 5920066.0/37

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.093+/-0.035 χ^2/NDF:3.8/1

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.007+/-0.034 χ^2/NDF:4.2/1

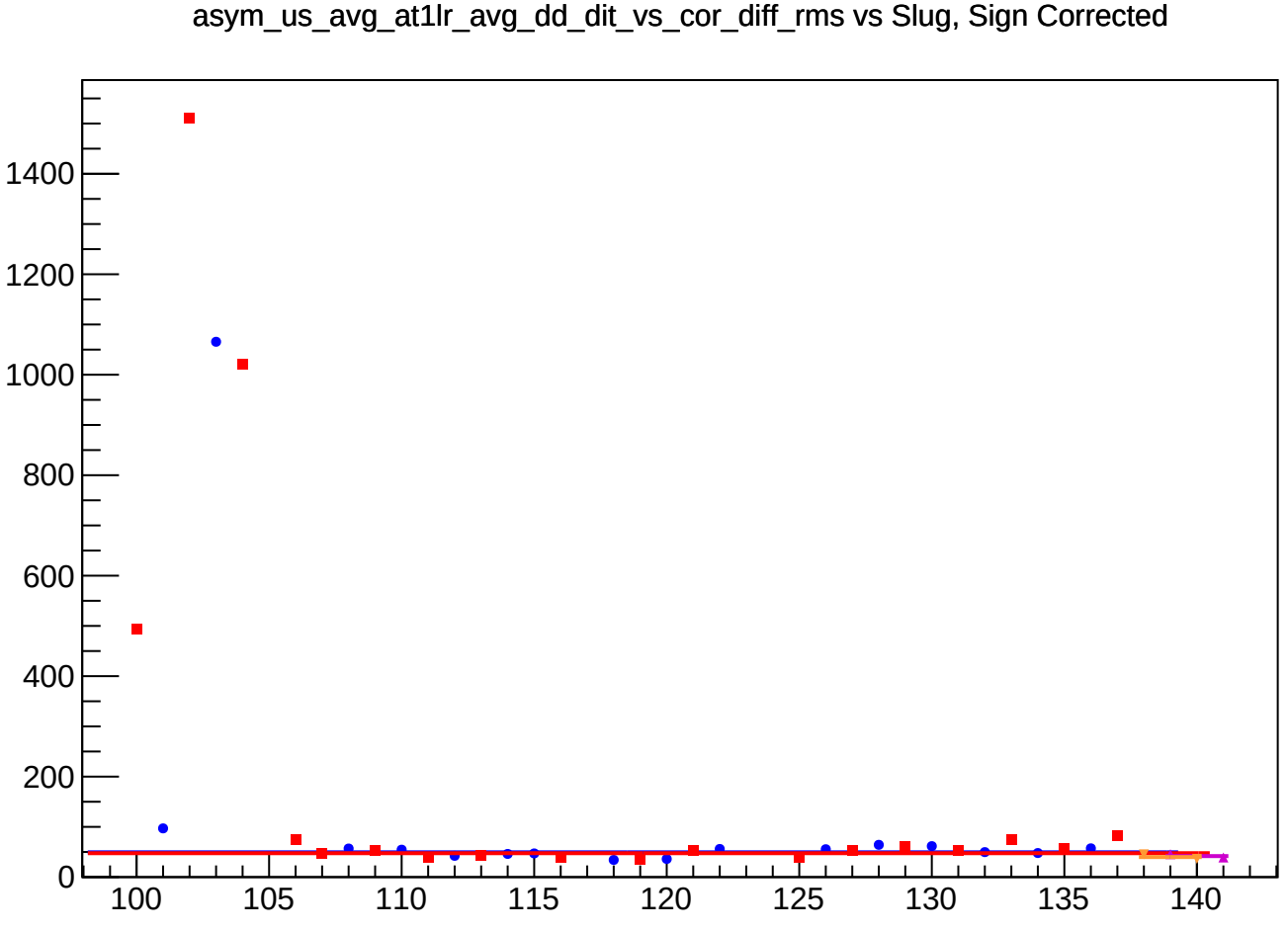
Left: 0.043+/-0.024 χ^2/NDF: 12.1/3

Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.018 χ^2/NDF:22.8/17

Out: 0.029+/-0.018 χ^2/NDF:19.0/19

All: 0.017+/-0.013 χ^2/NDF: 42.7/37



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 39.896+/-0.024 χ^2/NDF:32021.8/1

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 41.815+/-0.024 χ^2/NDF:17743.2/1

Left: 40.862+/-0.017 χ^2/NDF: 52866.1/3

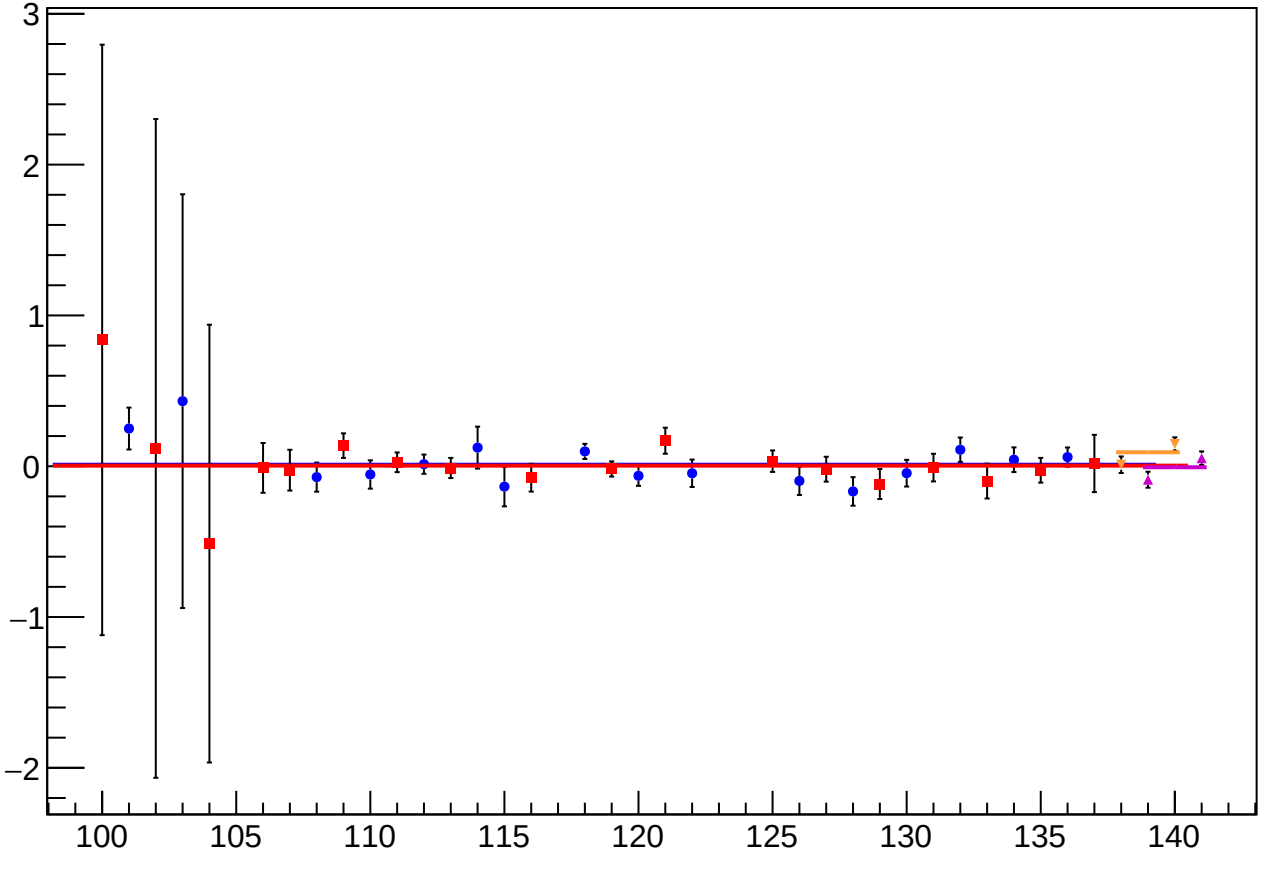
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.292+/-0.013 χ^2/NDF:1864612.0/17

Out: 45.453+/-0.013 χ^2/NDF:2521845.2/19

All: 46.391+/-0.009 χ^2/NDF: 4396817.4/37

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.093+/-0.035 χ^2/NDF:3.8/1

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.007+/-0.034 χ^2/NDF:4.2/1

Left: 0.043+/-0.024 χ^2/NDF: 12.1/3

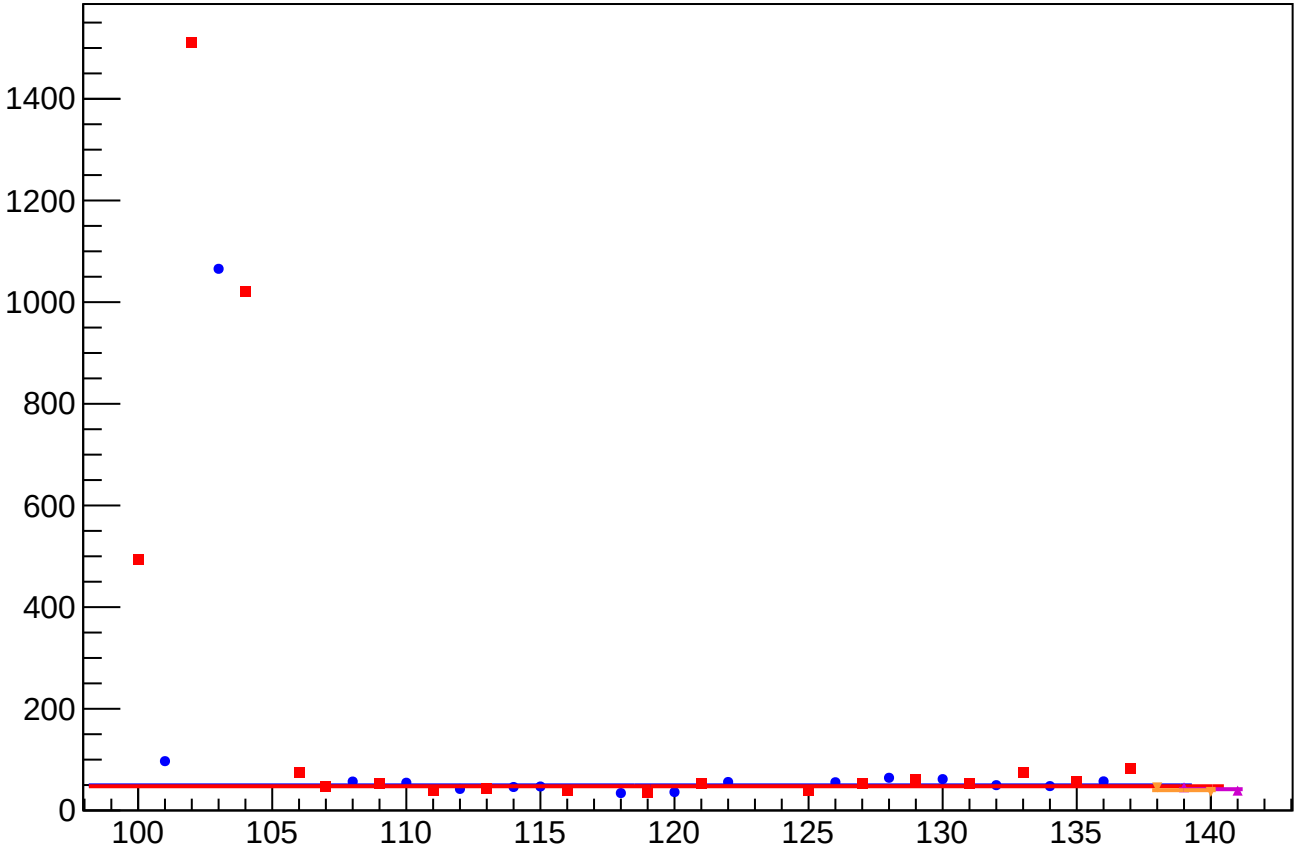
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.018 χ^2/NDF:22.8/17

Out: 0.029+/-0.018 χ^2/NDF:19.0/19

All: 0.017+/-0.013 χ^2/NDF: 42.7/37

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 39.896+/-0.024 χ^2/NDF:32021.8/1

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 41.815+/-0.024 χ^2/NDF:17743.2/1

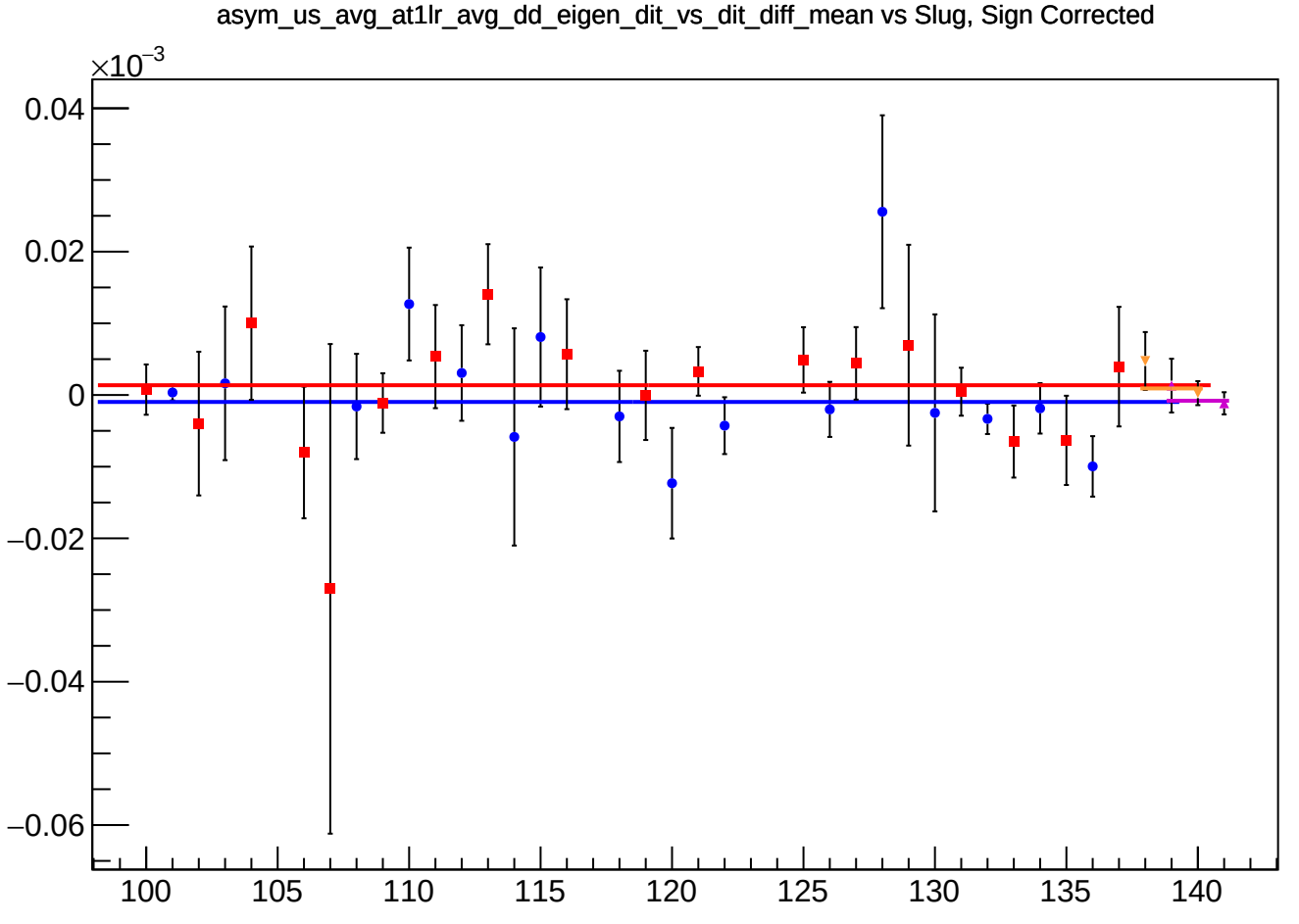
Left: 40.862+/-0.017 χ^2/NDF: 52866.1/3

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.292+/-0.013 χ^2/NDF:1864612.0/17

Out: 45.453+/-0.013 χ^2/NDF:2521845.2/19

All: 46.391+/-0.009 χ^2/NDF: 4396817.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

Left: -0.000+/-0.000 χ^2/NDF: 2.1/3

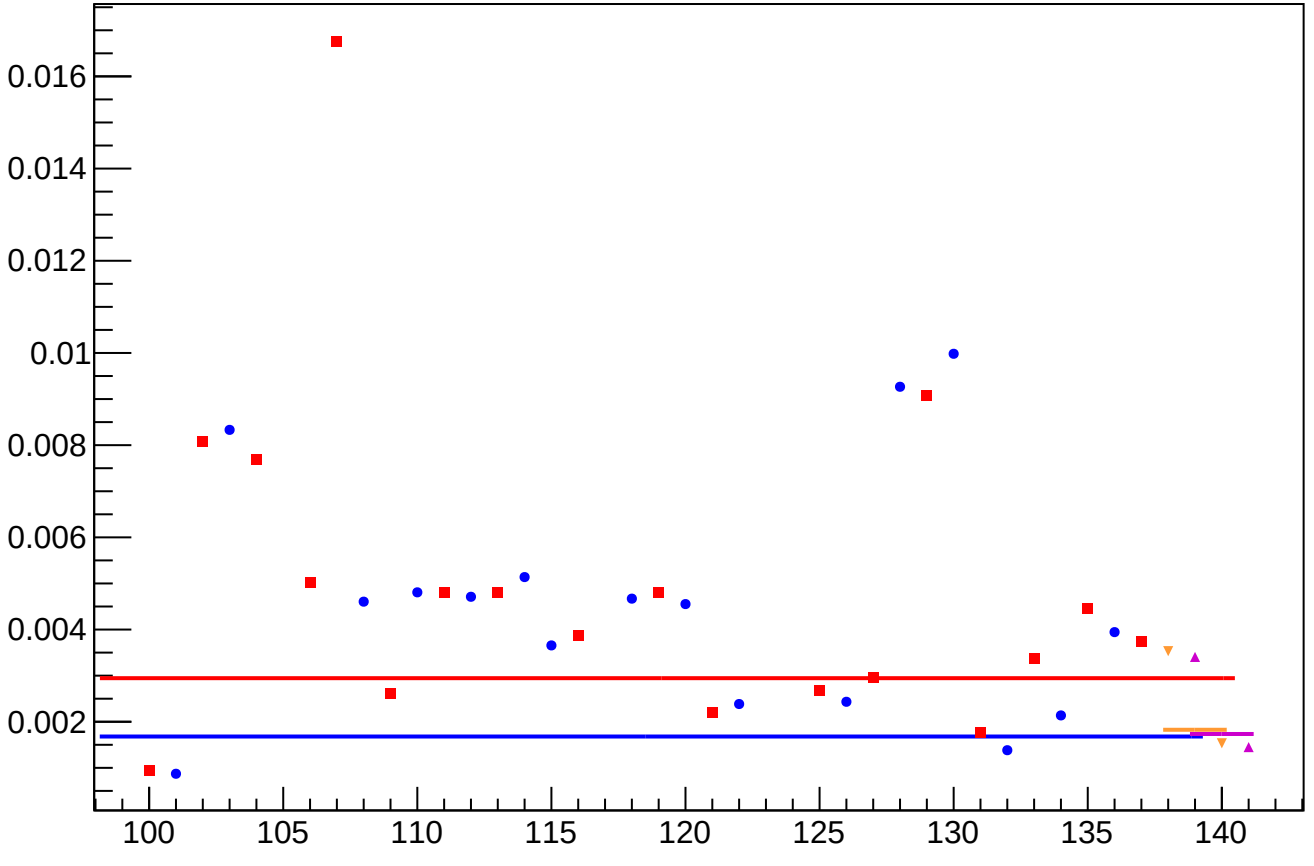
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:19.0/17

Out: 0.000+/-0.000 χ^2/NDF:13.7/19

All: -0.000+/-0.000 χ^2/NDF: 35.7/37

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:417199.8/1

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:465684.6/1

Left: 0.002+/-0.000 χ^2/NDF: 886663.7/3

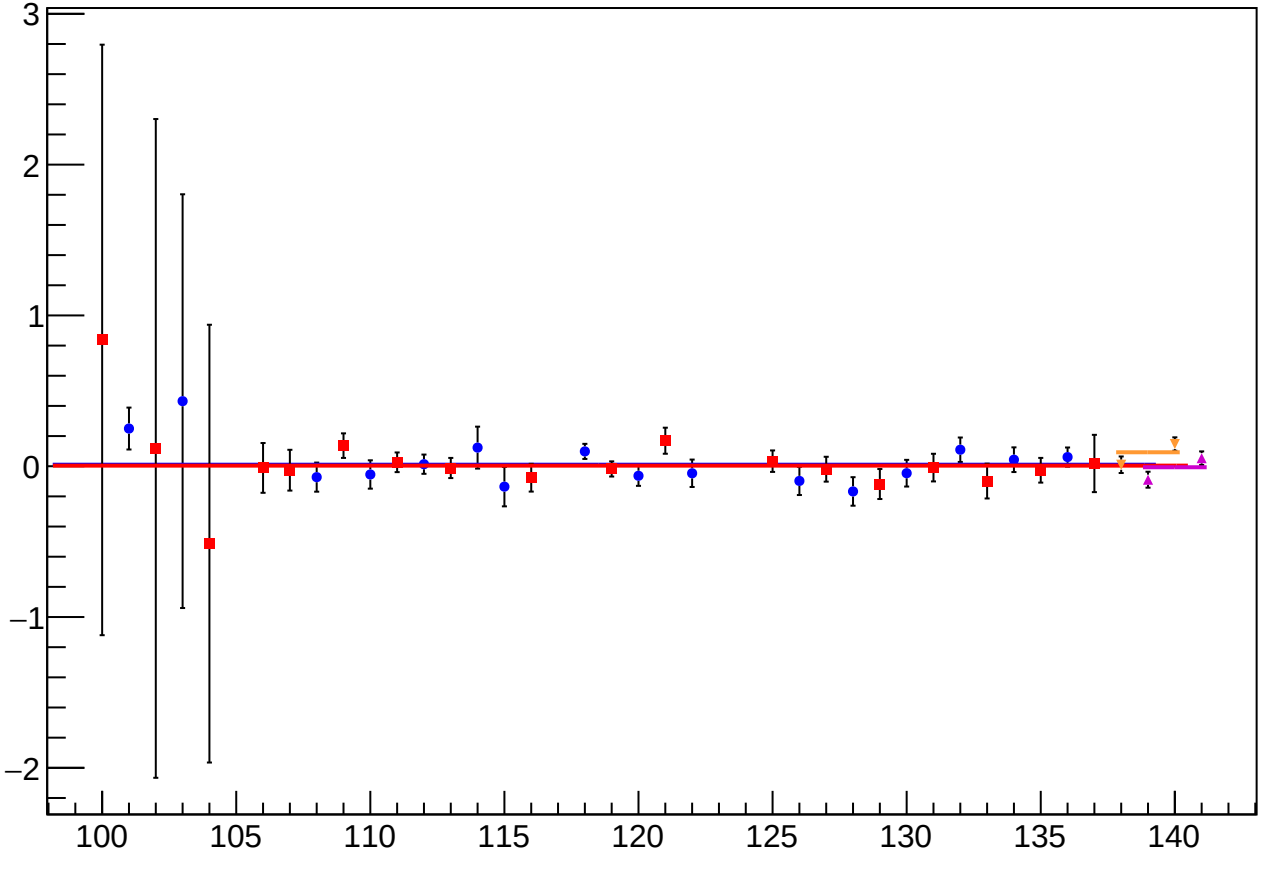
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:6428112.7/17

Out: 0.002+/-0.000 χ^2/NDF:4414095.1/19

All: 0.002+/-0.000 χ^2/NDF: 11683143.9/37

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.093+/-0.035 χ^2/NDF:3.8/1

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.007+/-0.034 χ^2/NDF:4.2/1

Left: 0.043+/-0.024 χ^2/NDF: 12.1/3

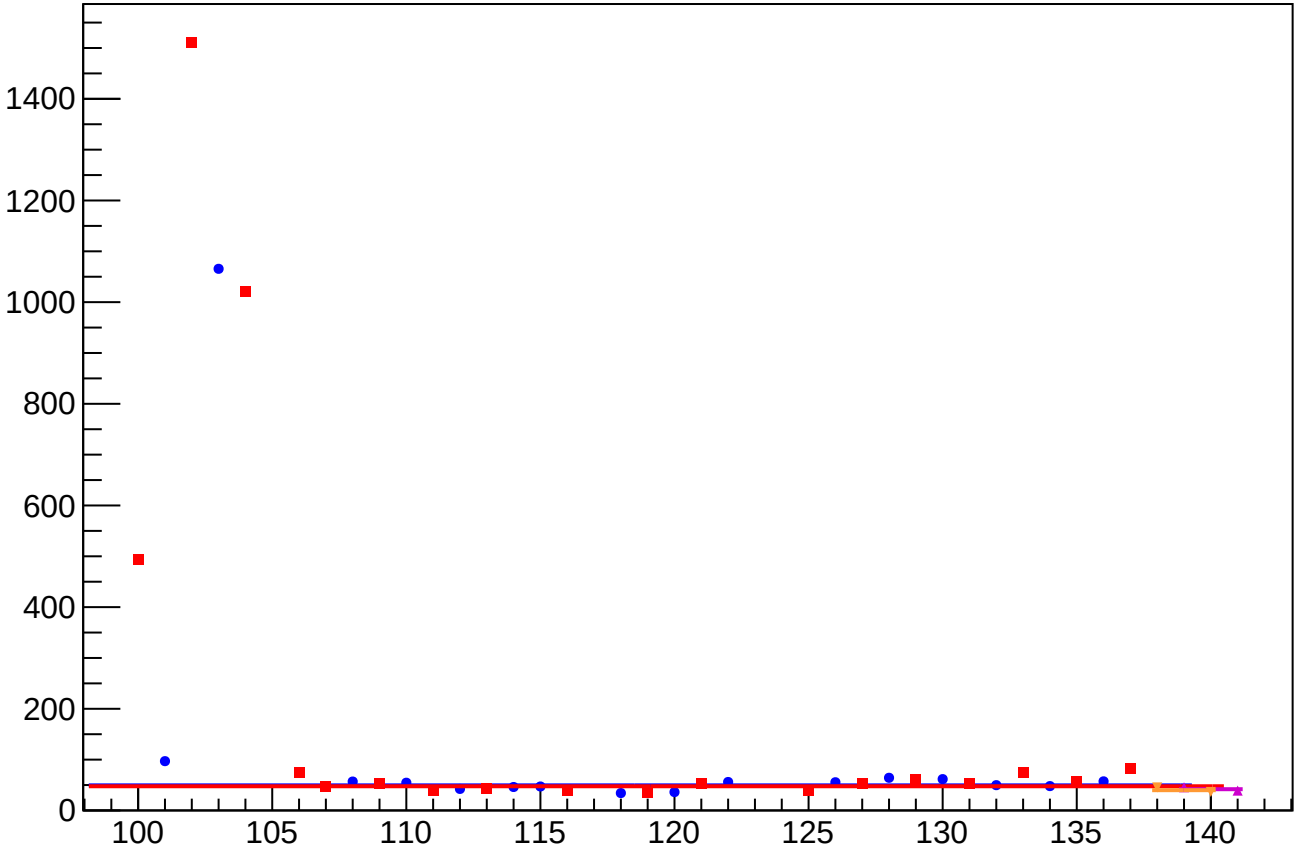
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.018 χ^2/NDF:22.8/17

Out: 0.029+/-0.018 χ^2/NDF:19.0/19

All: 0.017+/-0.013 χ^2/NDF: 42.7/37

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 39.896+/-0.024 χ^2/NDF:32030.3/1

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 41.814+/-0.024 χ^2/NDF:17742.4/1

Left: 40.862+/-0.017 χ^2/NDF: 52871.3/3

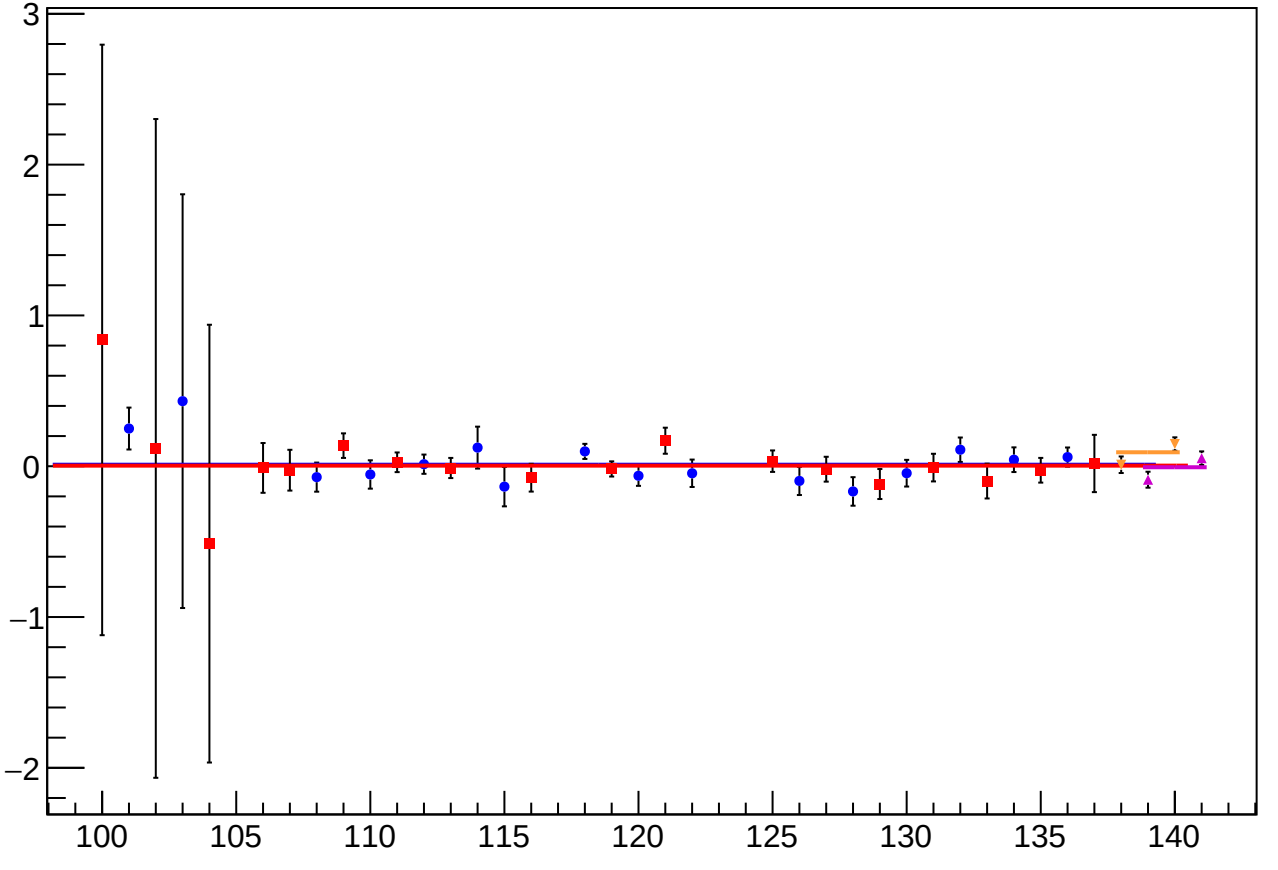
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.292+/-0.013 χ^2/NDF:1864556.0/17

Out: 45.452+/-0.013 χ^2/NDF:2521866.6/19

All: 46.391+/-0.009 χ^2/NDF: 4396789.5/37

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.093+/-0.035 χ^2/NDF:3.8/1

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.007+/-0.034 χ^2/NDF:4.2/1

Left: 0.043+/-0.024 χ^2/NDF: 12.1/3

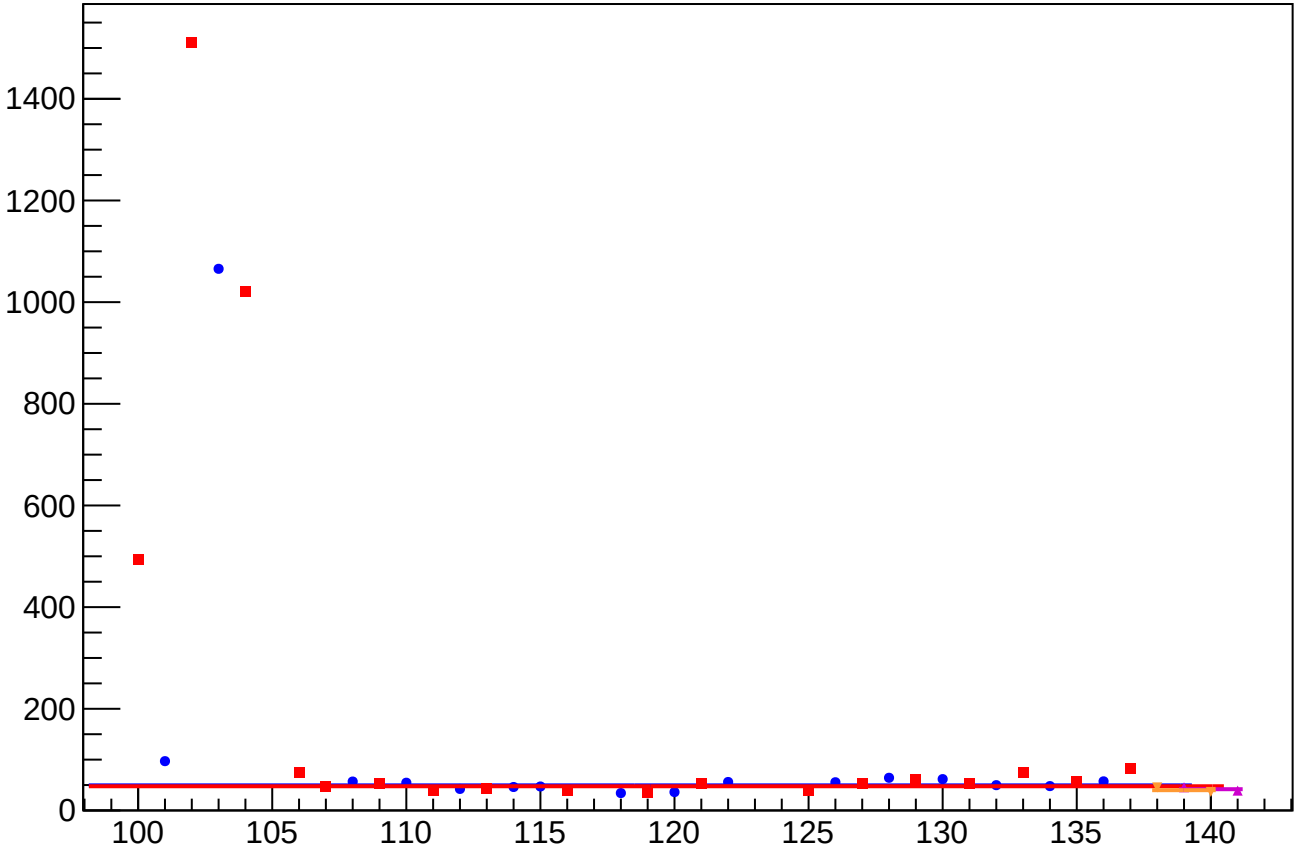
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.018 χ^2/NDF:22.8/17

Out: 0.029+/-0.018 χ^2/NDF:19.0/19

All: 0.017+/-0.013 χ^2/NDF: 42.7/37

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 39.896+/-0.024 χ^2/NDF:32030.3/1

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 41.814+/-0.024 χ^2/NDF:17742.4/1

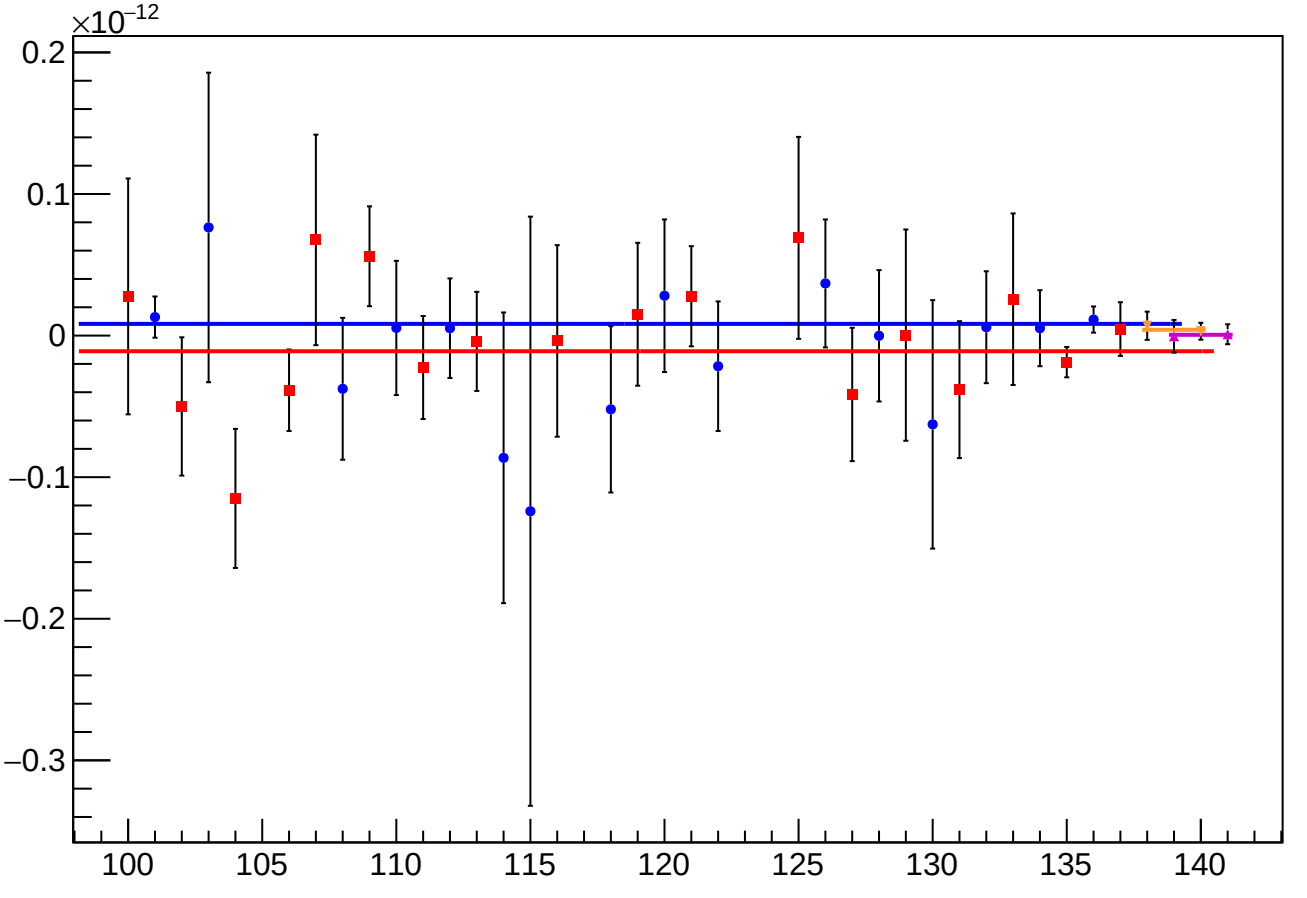
Left: 40.862+/-0.017 χ^2/NDF: 52871.3/3

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.292+/-0.013 χ^2/NDF:1864556.0/17

Out: 45.452+/-0.013 χ^2/NDF:2521866.6/19

All: 46.391+/-0.009 χ^2/NDF: 4396789.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

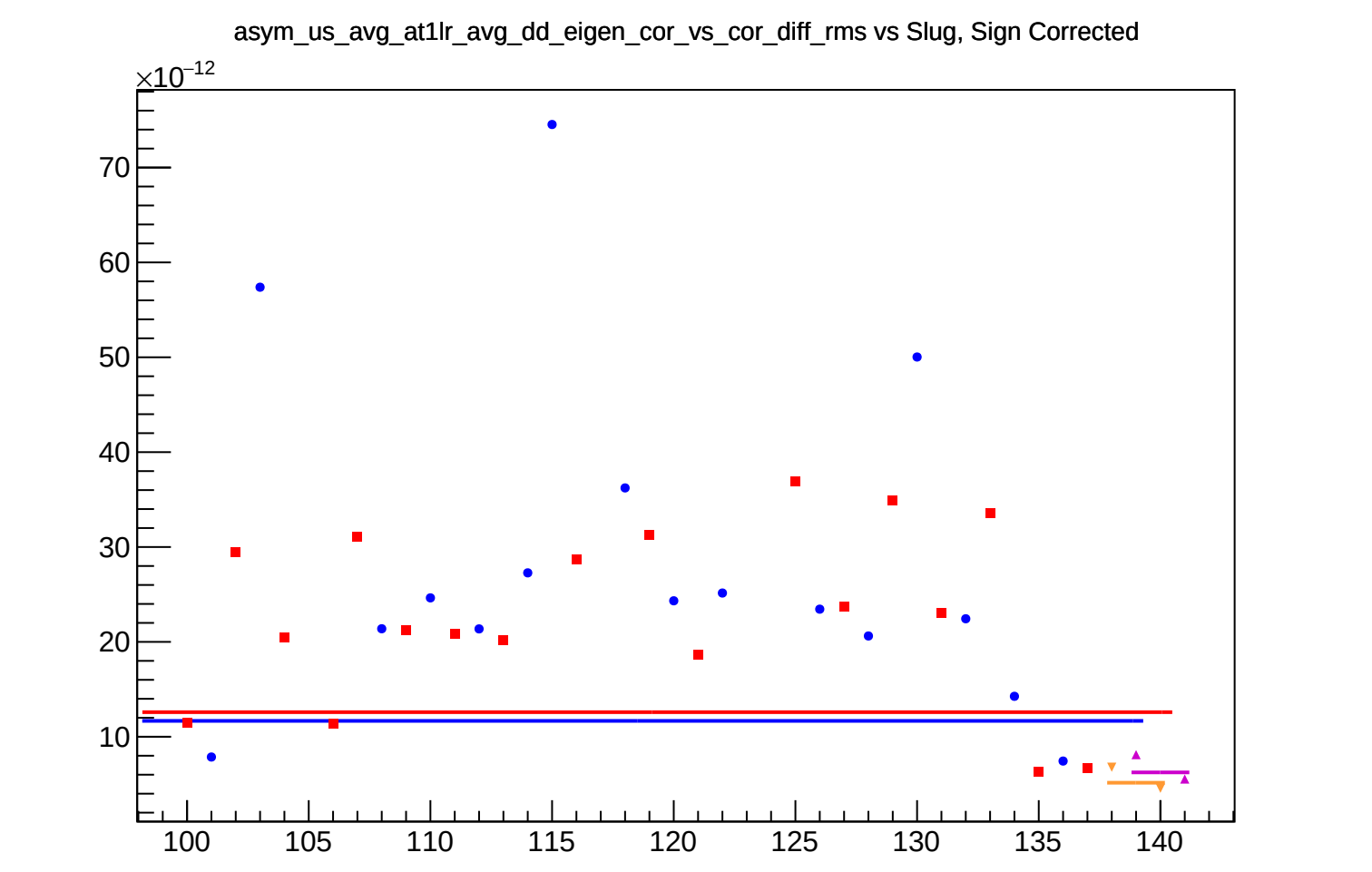
Left: 0.000+/-0.000 χ^2/NDF: 0.3/3

Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: 0.000+/-0.000 χ^2/NDF:6.2/17

Out: -0.000+/-0.000 χ^2/NDF:19.2/19

All: 0.000+/-0.000 χ^2/NDF: 26.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:73149.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:72456.4/1

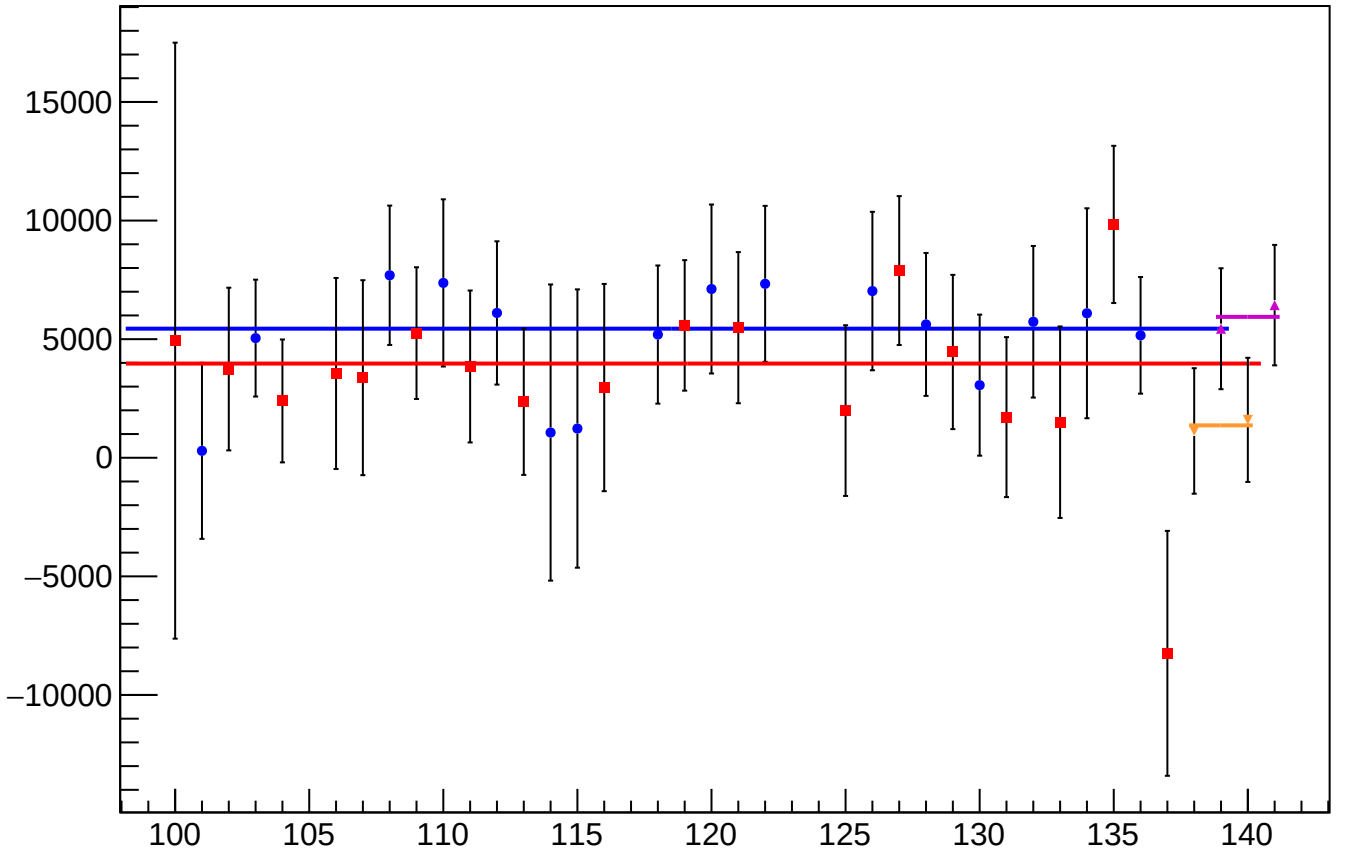
Left: 0.000+/-0.000 χ^2/NDF: 183689.1/3

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:3709938.0/17

Out: 0.000+/-0.000 χ^2/NDF:4406984.5/19

All: 0.000+/-0.000 χ^2/NDF: 8174336.9/37



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1366.188+/-1860.557 χ^2/NDF:0.0/1

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5939.791+/-1799.067 χ^2/NDF:0.1/1

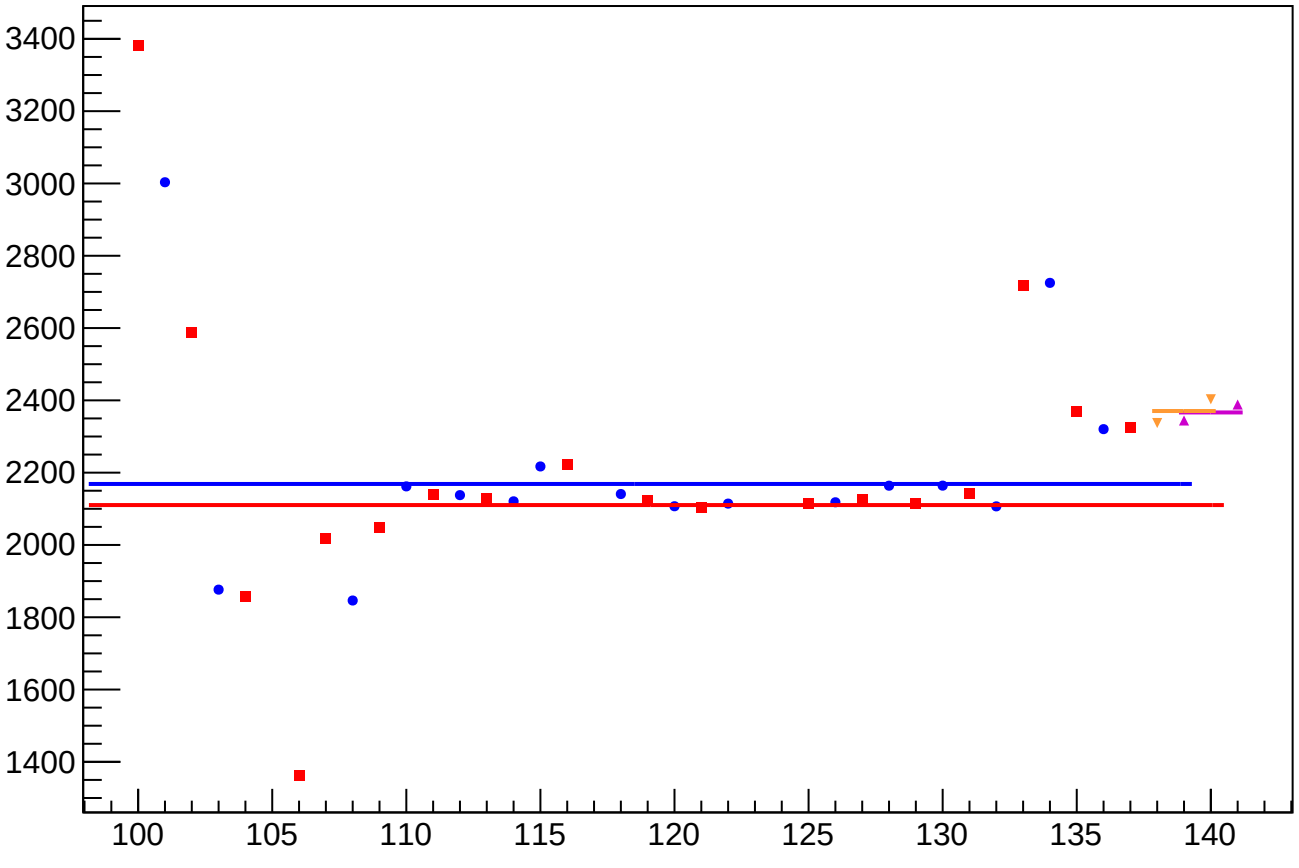
Left: 3729.814+/-1293.325 χ^2/NDF: 3.2/3

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5526.616+/-740.511 χ^2/NDF:5.5/17

Out: 3557.420+/-741.919 χ^2/NDF:14.6/19

All: 4543.887+/-524.117 χ^2/NDF: 23.7/37



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2370.505+/-1.316 χ^2/NDF:622.6/1

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2366.546+/-1.272 χ^2/NDF:301.7/1

Left: 2368.459+/-0.915 χ^2/NDF: 928.9/3

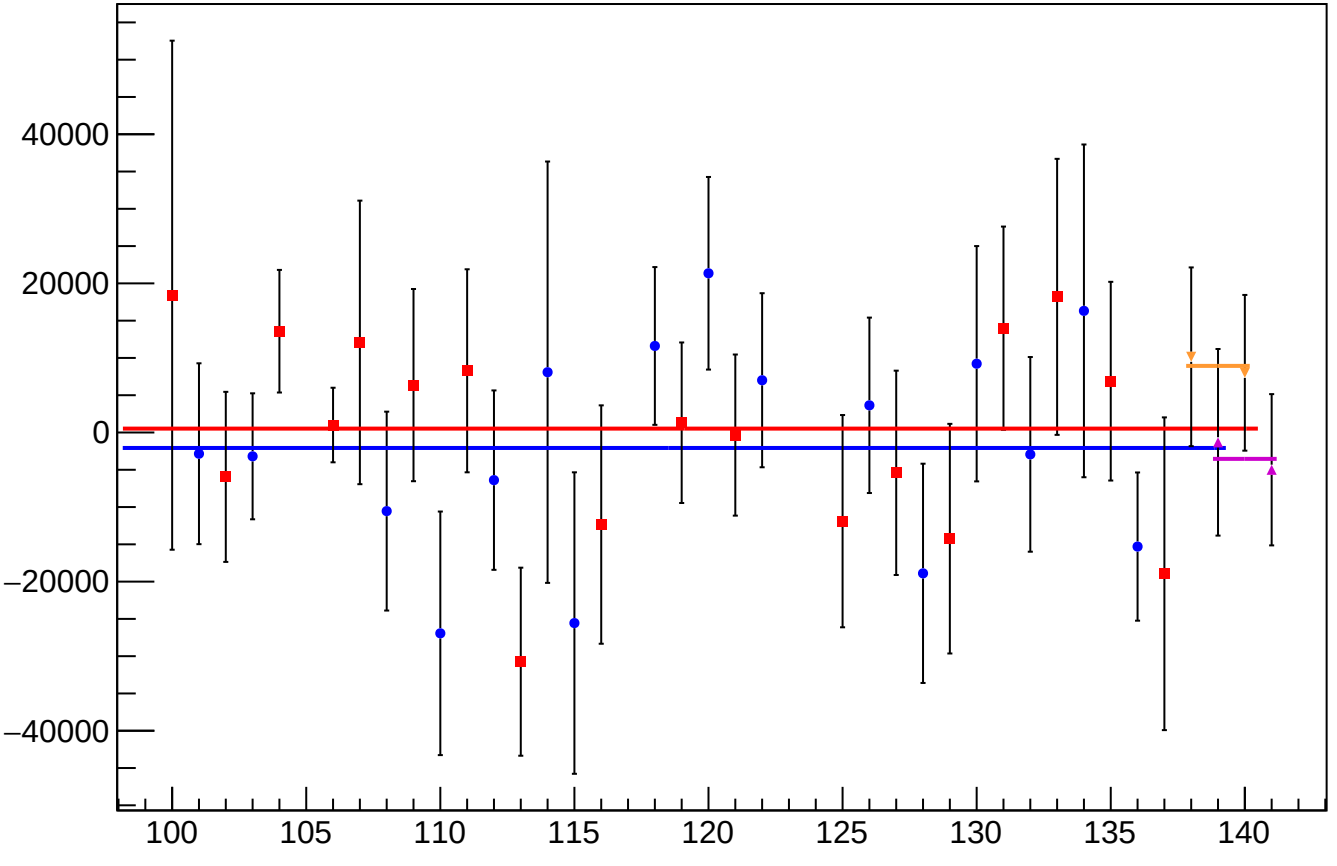
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2202.232+/-0.524 χ^2/NDF:216047.6/17

Out: 2150.628+/-0.518 χ^2/NDF:301083.0/19

All: 2176.131+/-0.368 χ^2/NDF: 522043.2/37

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 8933.099+/-7873.458 χ^2/NDF:0.0/1

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -3537.266+/-7880.111 χ^2/NDF:0.1/1

Left: 2703.183+/-5569.726 χ^2/NDF: 1.3/3

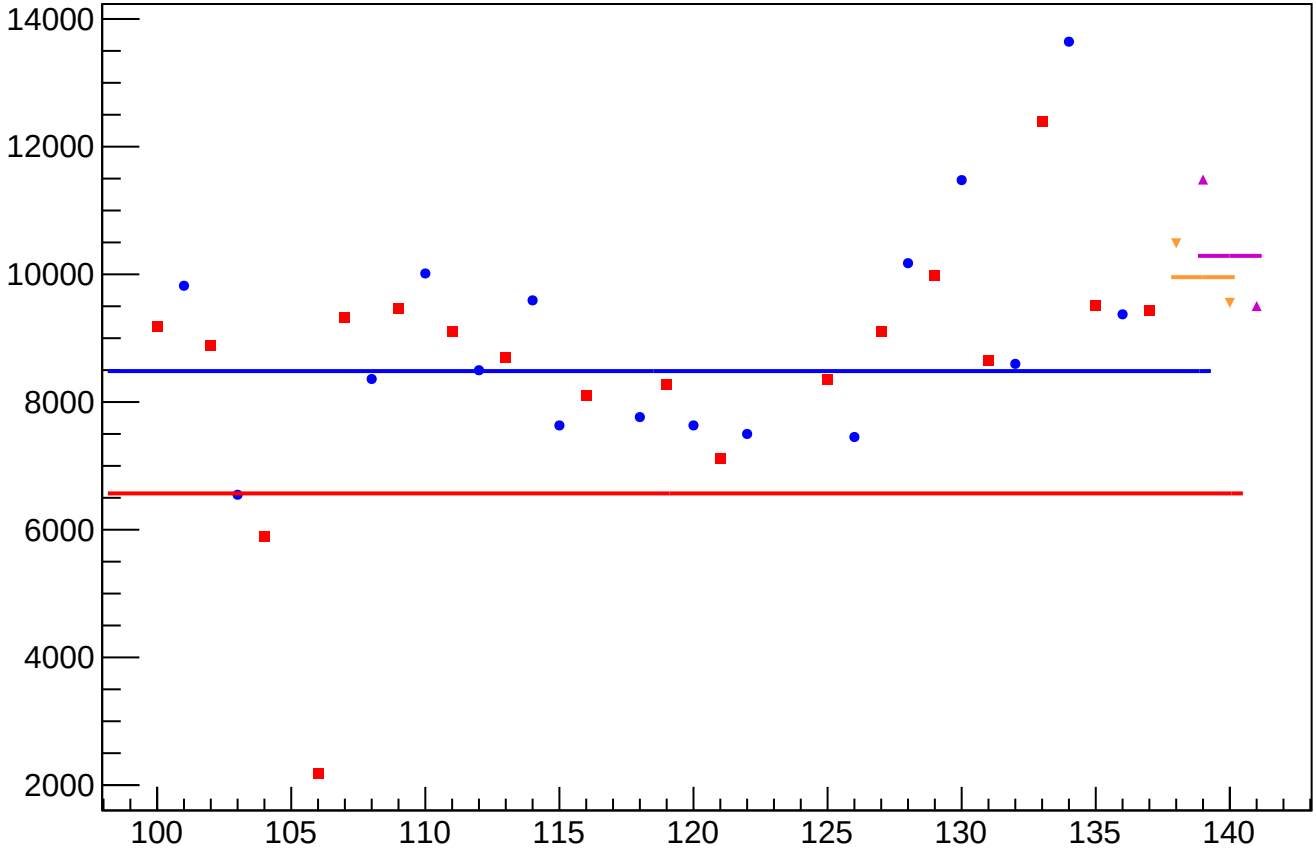
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -2283.209+/-2974.473 χ^2/NDF:14.5/17

Out: 1415.713+/-2567.182 χ^2/NDF:16.7/19

All: -163.352+/-1943.446 χ^2/NDF: 32.1/37

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9955.629+/-5.567 χ^2/NDF:6876.5/1

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10289.491+/-5.572 χ^2/NDF:30246.4/1

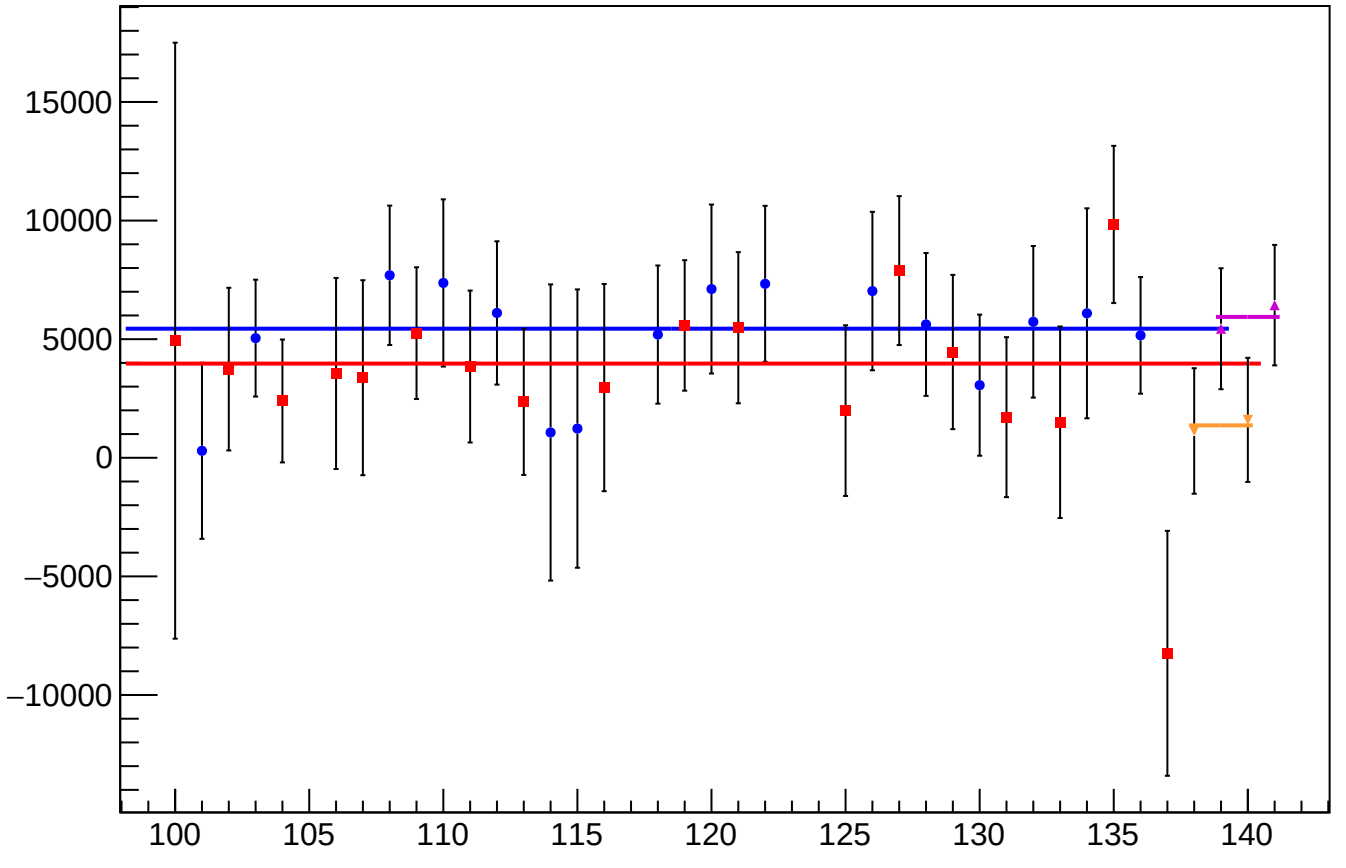
Left: 10122.419+/-3.938 χ^2/NDF: 38919.4/3

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8742.105+/-2.103 χ^2/NDF:542885.4/17

Out: 6928.781+/-1.815 χ^2/NDF:2906509.4/19

All: 7702.886+/-1.374 χ^2/NDF: 3875377.7/37



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1366.457+/-1860.557 χ^2/NDF:0.0/1

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5939.911+/-1799.067 χ^2/NDF:0.1/1

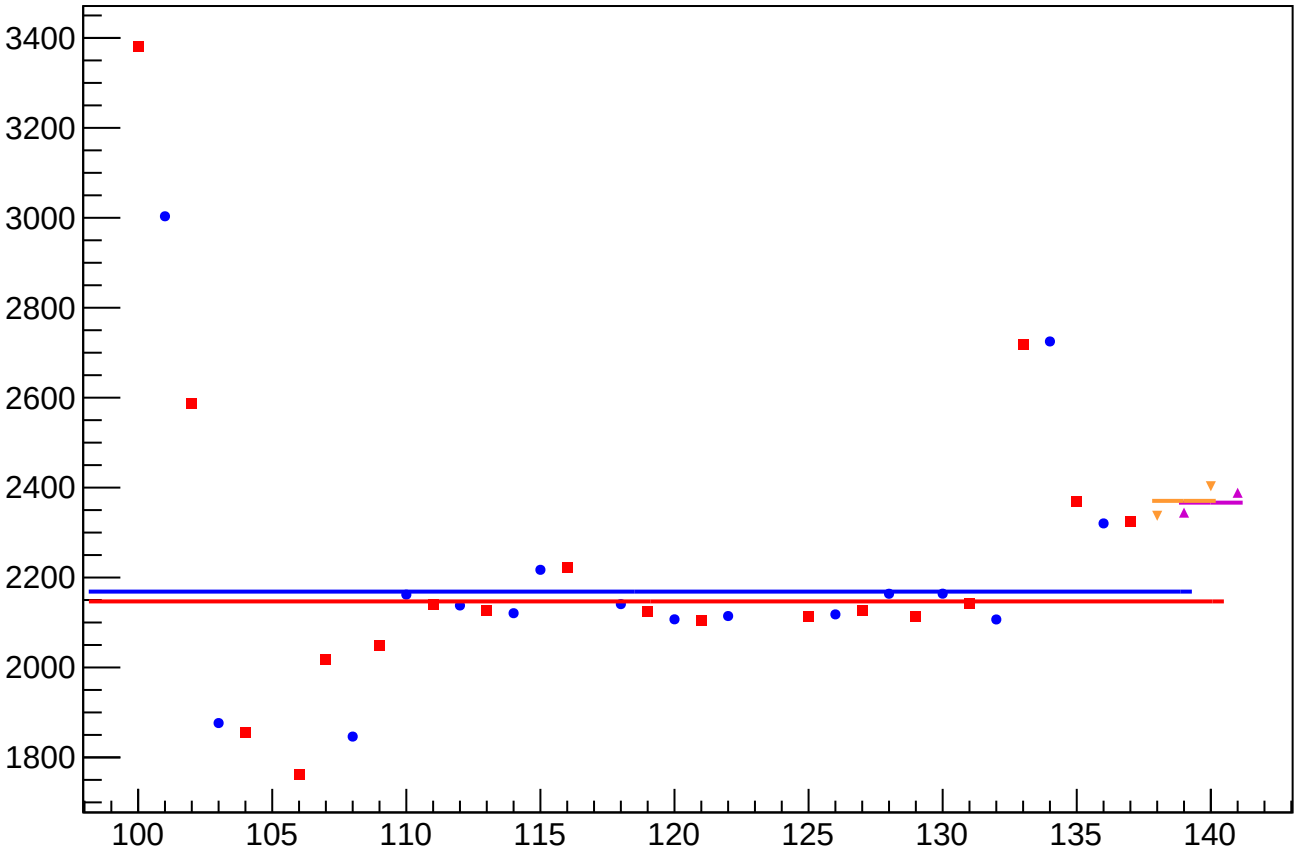
Left: 3730.007+/-1293.325 χ^2/NDF: 3.2/3

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5526.754+/-740.511 χ^2/NDF:5.5/17

Out: 3557.245+/-741.919 χ^2/NDF:14.6/19

All: 4543.869+/-524.117 χ^2/NDF: 23.7/37



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2370.505+/-1.316 χ^2/NDF:622.6/1

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2366.546+/-1.272 χ^2/NDF:301.7/1

Left: 2368.459+/-0.915 χ^2/NDF: 928.9/3

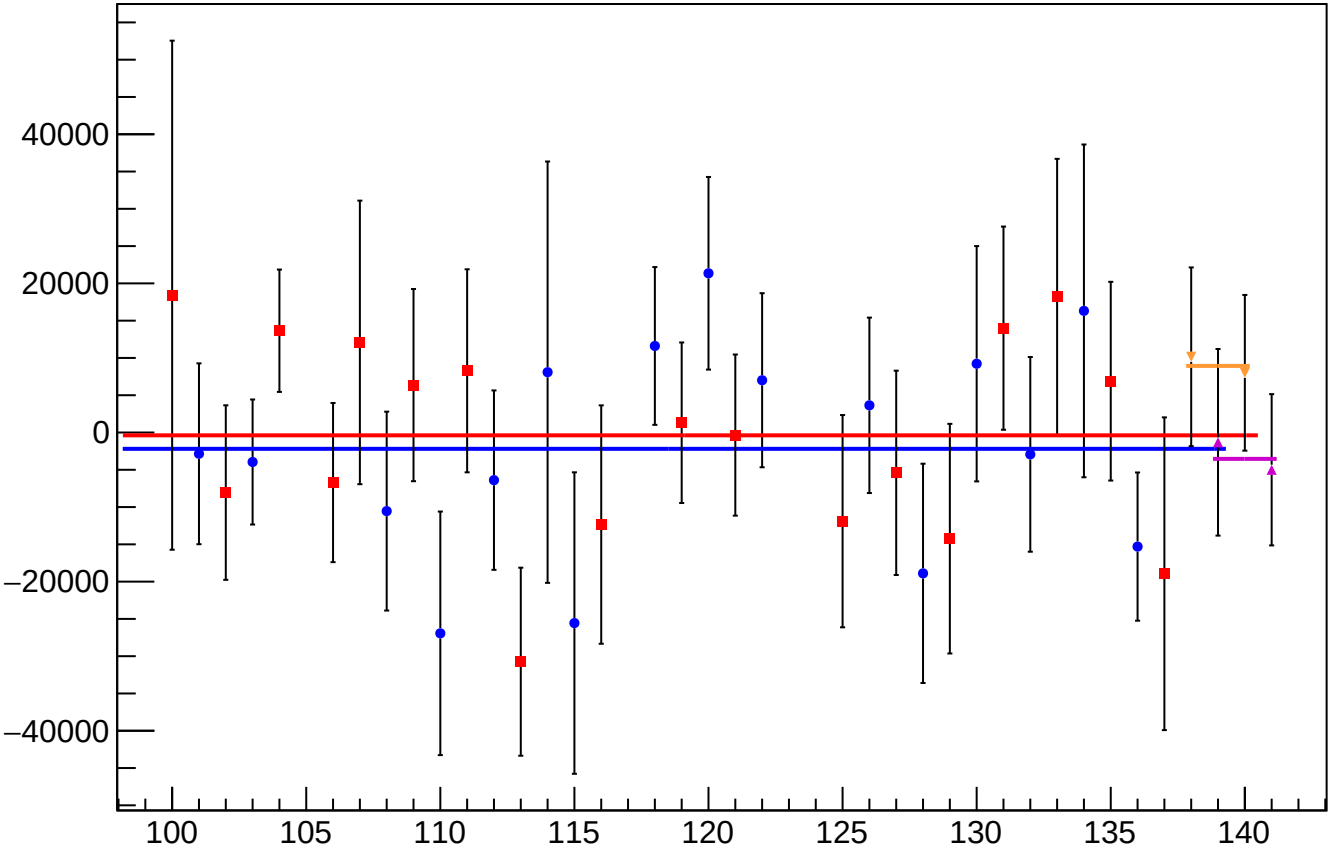
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2202.232+/-0.524 χ^2/NDF:216048.0/17

Out: 2182.149+/-0.522 χ^2/NDF:182708.3/19

All: 2192.167+/-0.370 χ^2/NDF: 399493.5/37

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 8933.390+/-7873.447 χ^2/NDF:0.0/1

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -3537.347+/-7880.101 χ^2/NDF:0.1/1

Left: 2703.288+/-5569.719 χ^2/NDF: 1.3/3

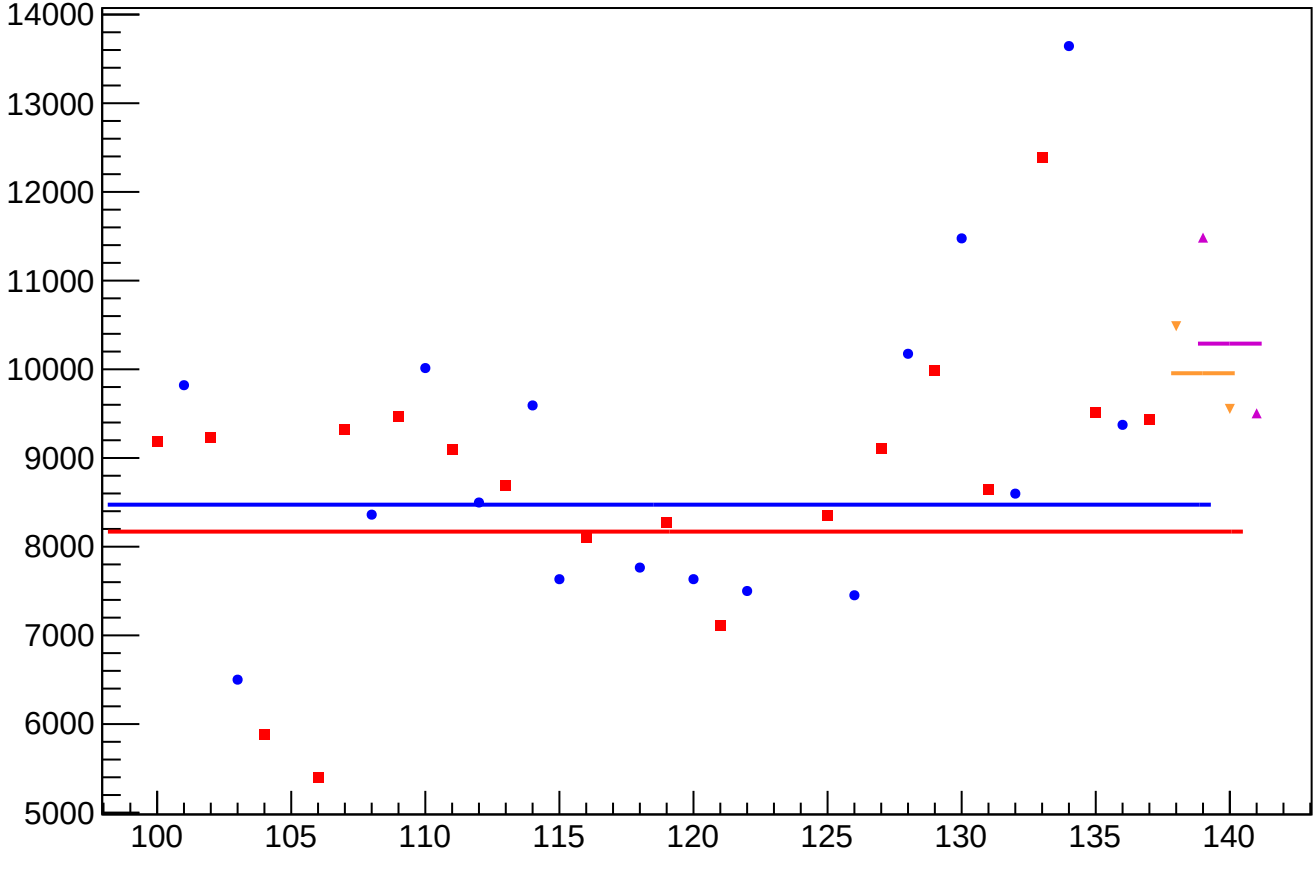
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -2380.967+/-2971.638 χ^2/NDF:14.5/17

Out: 870.631+/-2884.436 χ^2/NDF:17.5/19

All: -706.760+/-2069.746 χ^2/NDF: 32.7/37

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9955.615+/-5.567 χ^2/NDF:6876.9/1

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10289.476+/-5.572 χ^2/NDF:30246.8/1

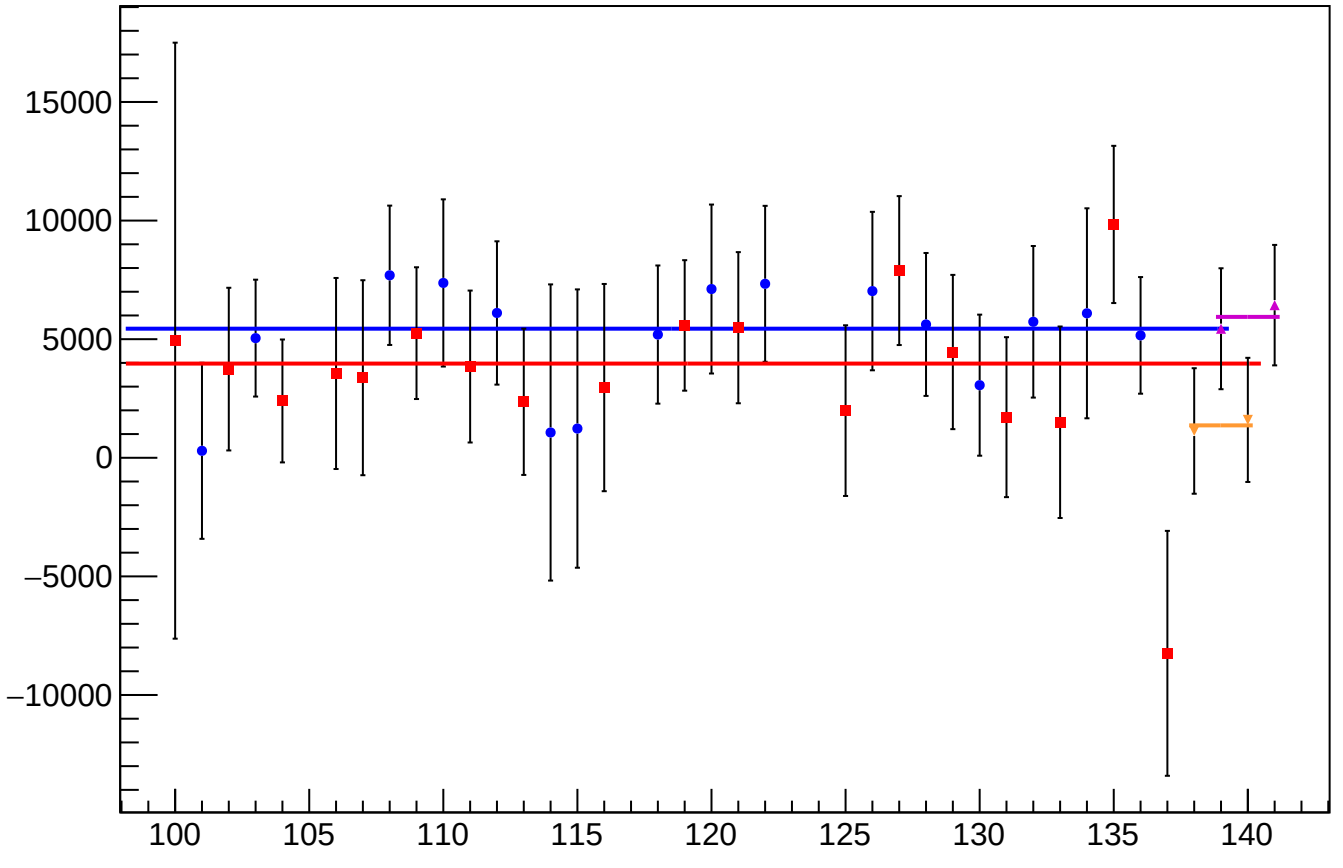
Left: 10122.404+/-3.938 χ^2/NDF: 38920.2/3

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8731.957+/-2.101 χ^2/NDF:550880.2/17

Out: 8409.675+/-2.040 χ^2/NDF:635860.9/19

All: 8566.018+/-1.464 χ^2/NDF: 1198853.3/37



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1366.457+/-1860.557 χ^2/NDF:0.0/1

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5939.911+/-1799.067 χ^2/NDF:0.1/1

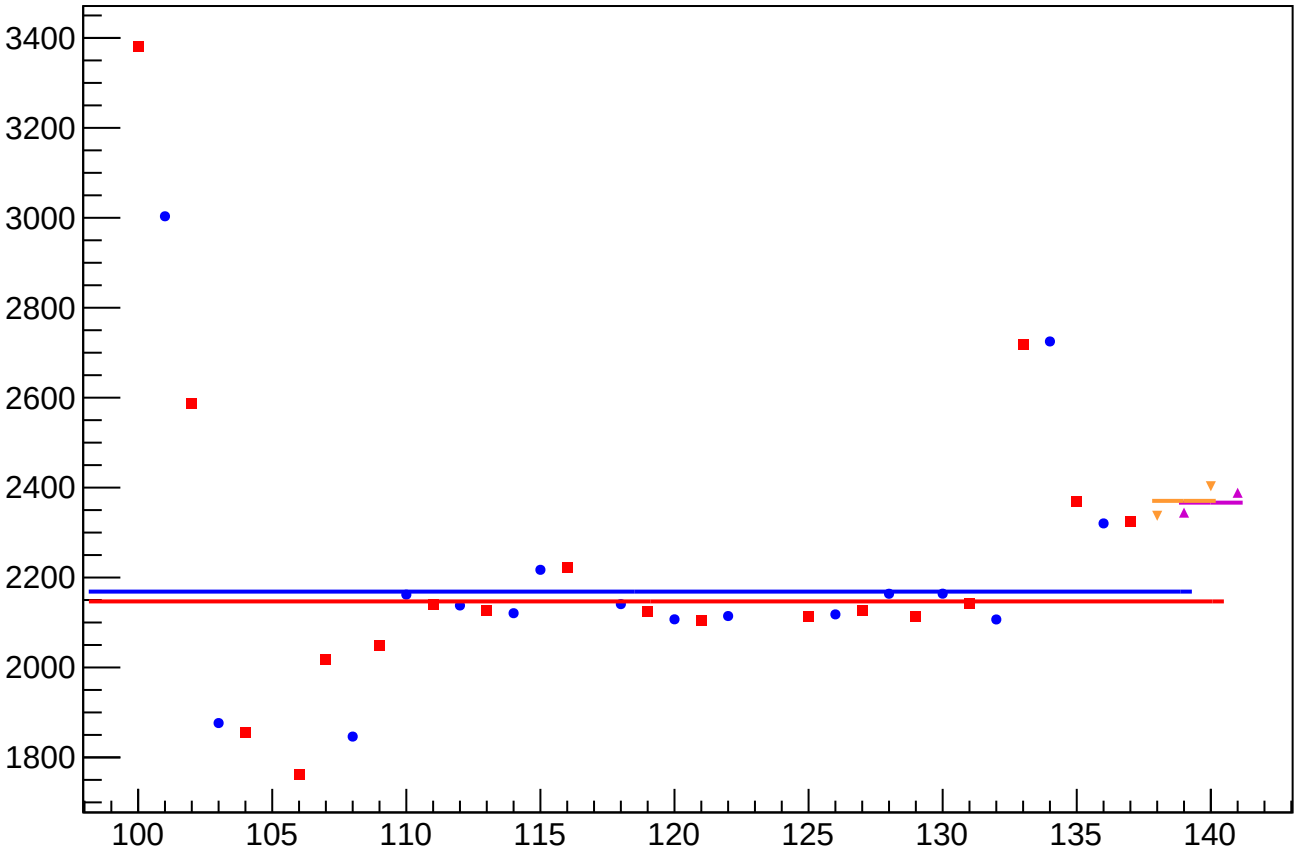
Left: 3730.007+/-1293.325 χ^2/NDF: 3.2/3

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5526.754+/-740.511 χ^2/NDF:5.5/17

Out: 3557.245+/-741.919 χ^2/NDF:14.6/19

All: 4543.869+/-524.117 χ^2/NDF: 23.7/37



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2370.505+/-1.316 χ^2/NDF:622.6/1

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2366.546+/-1.272 χ^2/NDF:301.7/1

Left: 2368.459+/-0.915 χ^2/NDF: 928.9/3

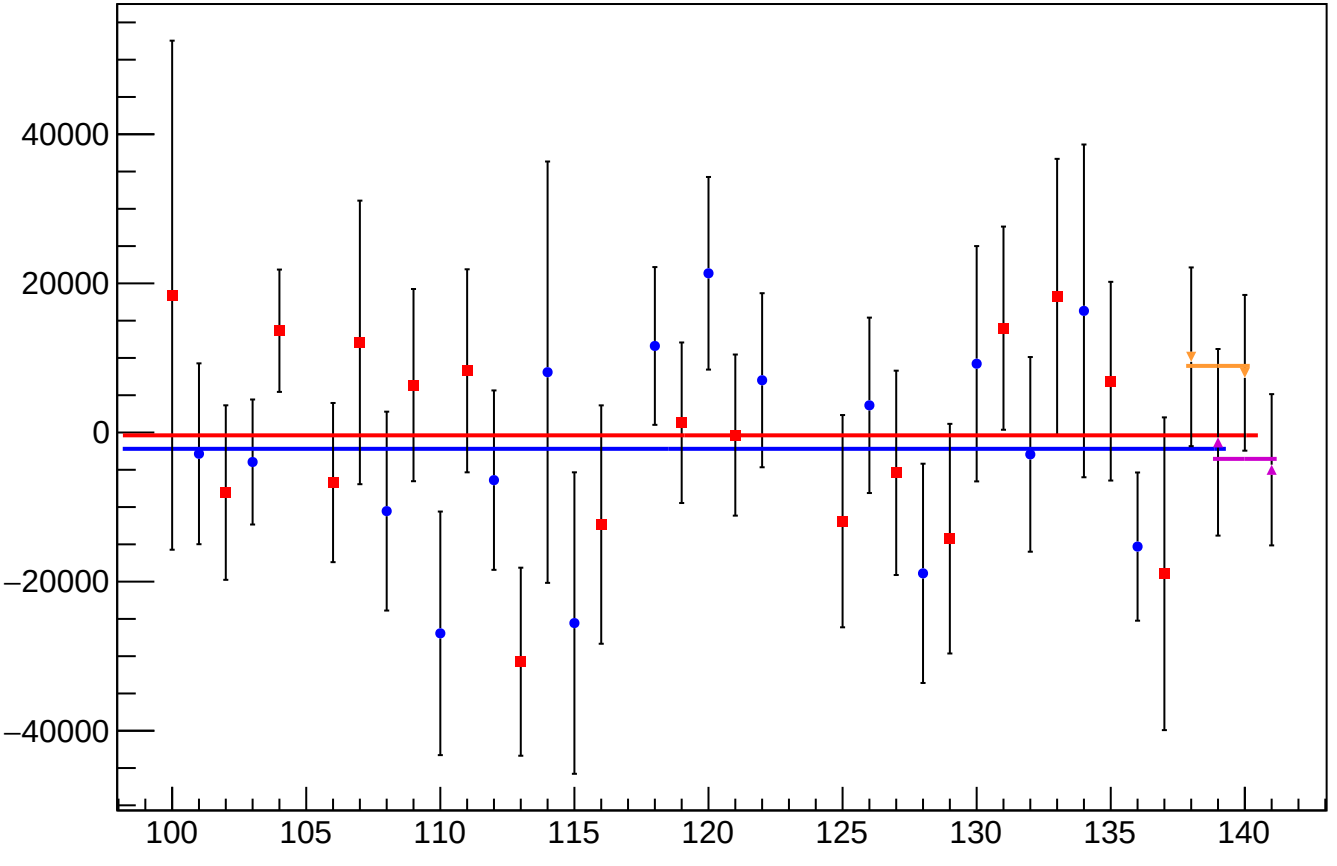
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2202.232+/-0.524 χ^2/NDF:216048.0/17

Out: 2182.149+/-0.522 χ^2/NDF:182708.3/19

All: 2192.167+/-0.370 χ^2/NDF: 399493.5/37

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 8933.390+/-7873.447 χ^2/NDF:0.0/1

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -3537.347+/-7880.101 χ^2/NDF:0.1/1

Left: 2703.288+/-5569.719 χ^2/NDF: 1.3/3

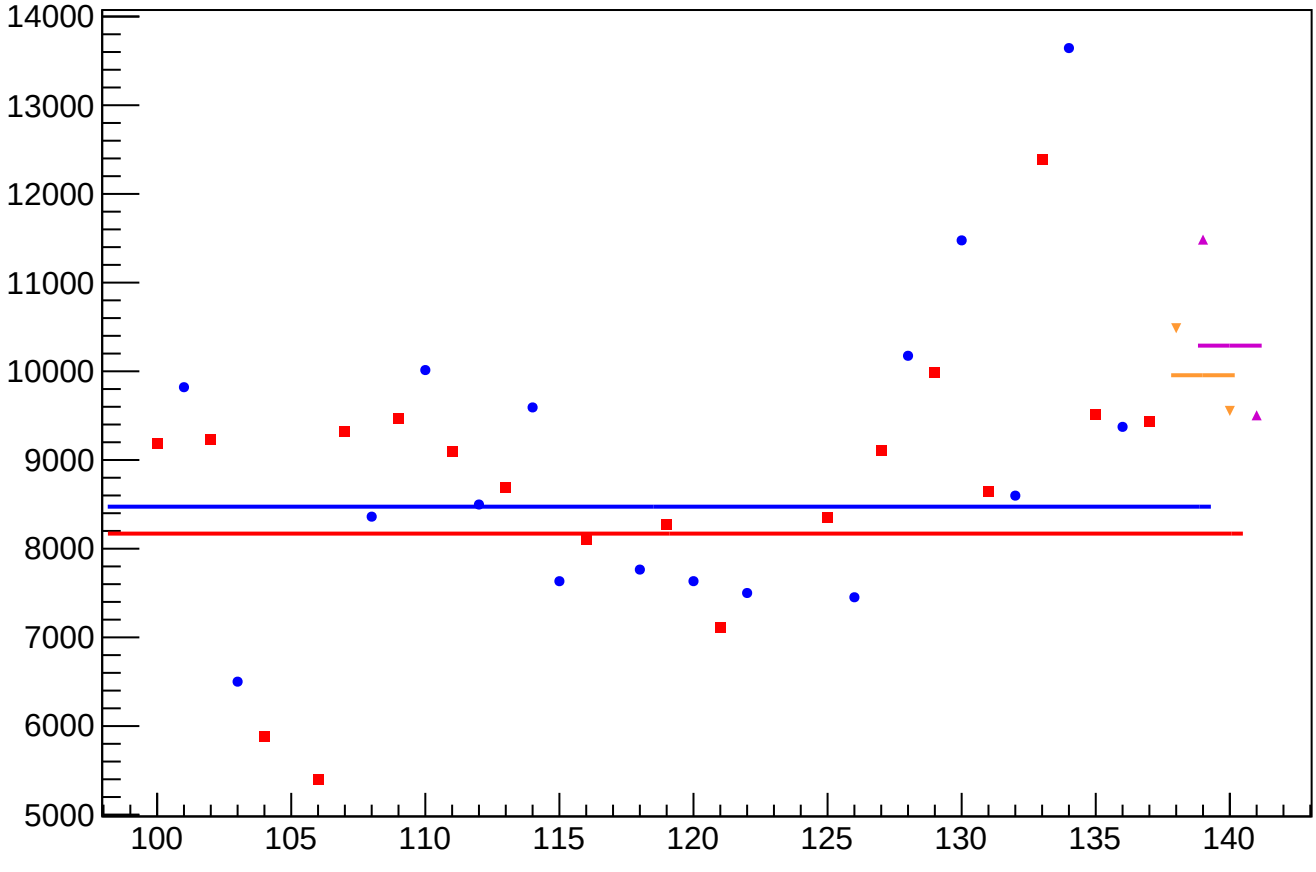
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -2380.967+/-2971.638 χ^2/NDF:14.5/17

Out: 870.631+/-2884.436 χ^2/NDF:17.5/19

All: -706.760+/-2069.746 χ^2/NDF: 32.7/37

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9955.615+/-5.567 χ^2/NDF:6876.9/1

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10289.476+/-5.572 χ^2/NDF:30246.8/1

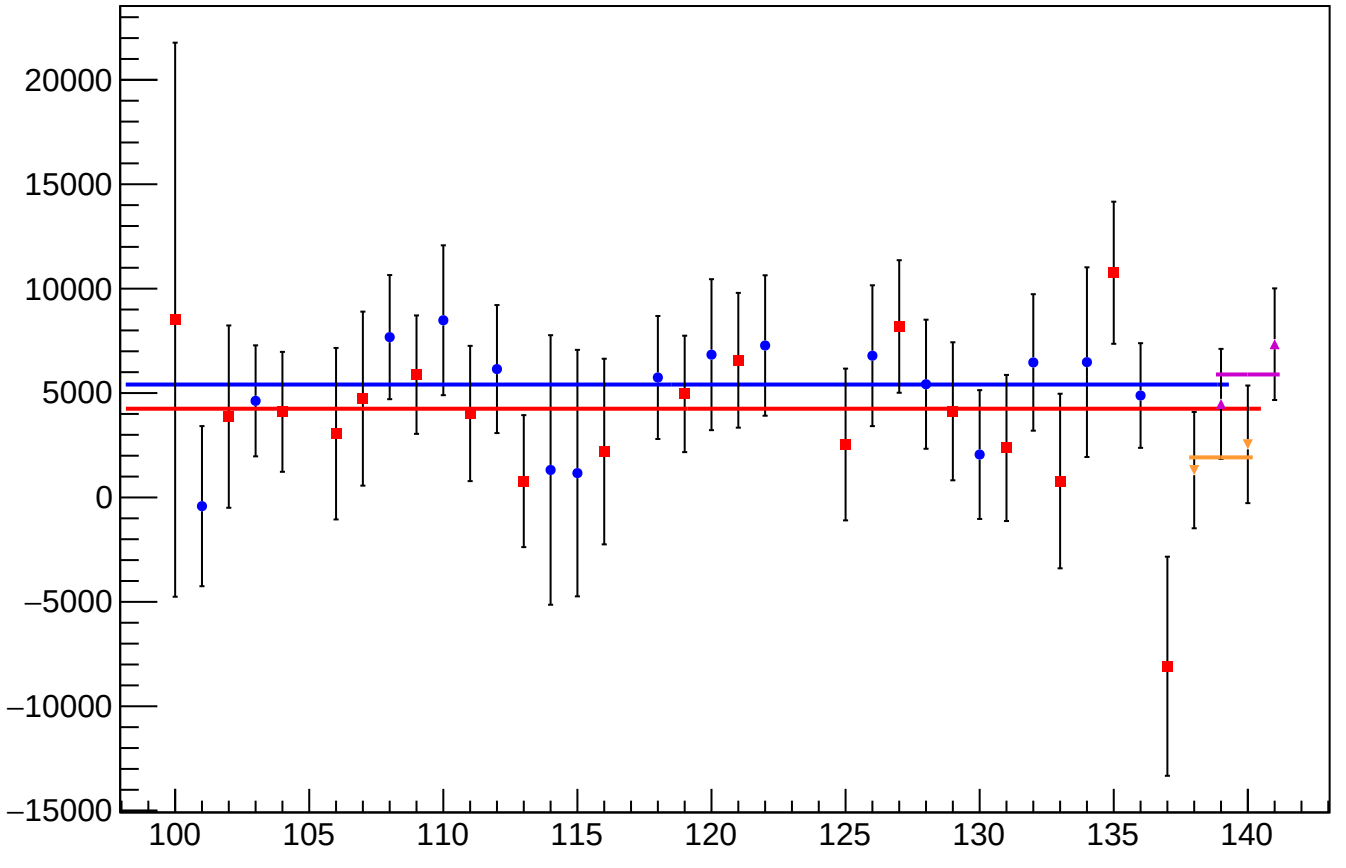
Left: 10122.404+/-3.938 χ^2/NDF: 38920.2/3

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8731.957+/-2.101 χ^2/NDF:550880.2/17

Out: 8409.675+/-2.040 χ^2/NDF:635860.9/19

All: 8566.018+/-1.464 χ^2/NDF: 1198853.3/37



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1920.035+/-1980.214 χ^2/NDF:0.1/1

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5890.245+/-1876.875 χ^2/NDF:0.6/1

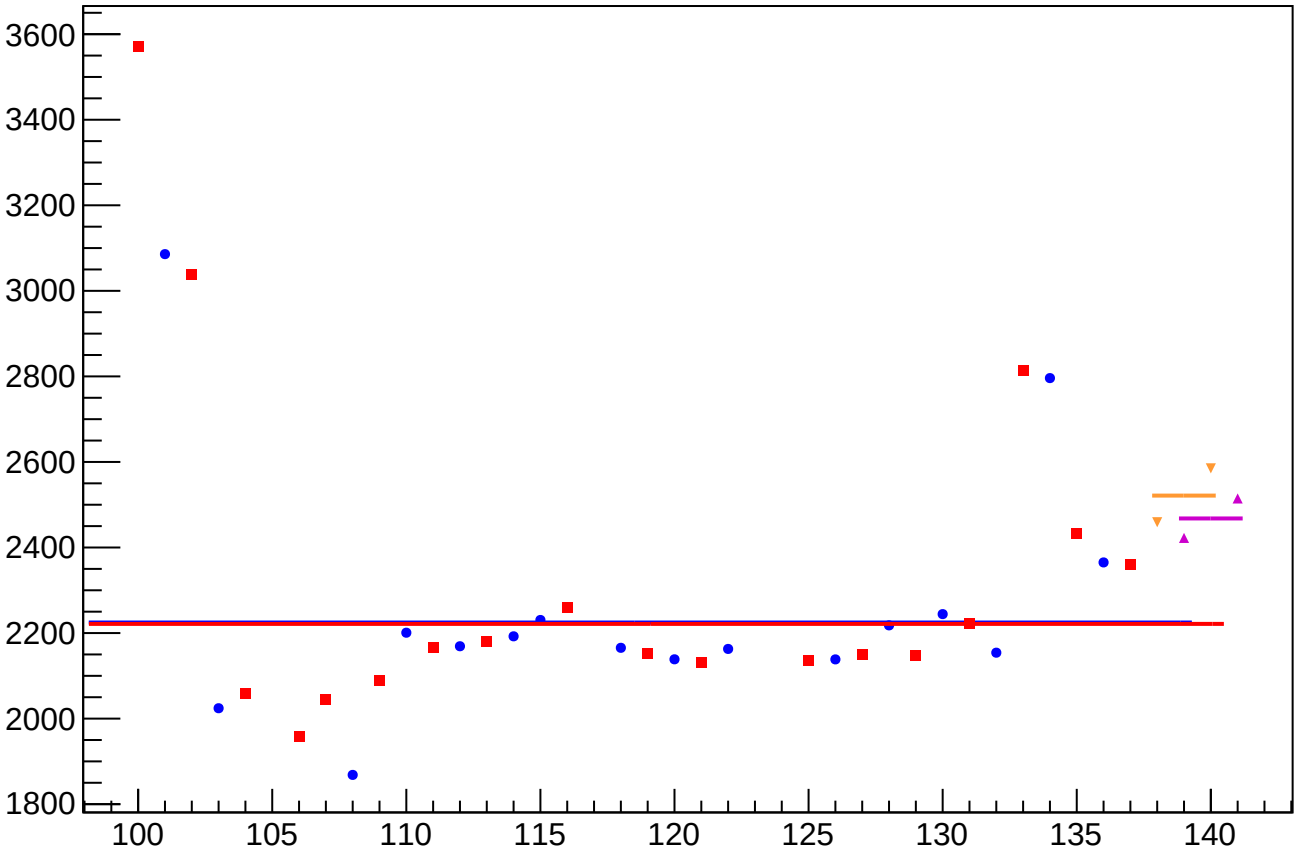
Left: 4011.434+/-1362.219 χ^2/NDF: 2.8/3

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5487.359+/-761.906 χ^2/NDF:7.4/17

Out: 3895.068+/-772.783 χ^2/NDF:15.7/19

All: 4702.498+/-542.554 χ^2/NDF: 25.3/37



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2521.357+/-1.400 χ^2/NDF:2022.8/1

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2467.906+/-1.327 χ^2/NDF:1206.9/1

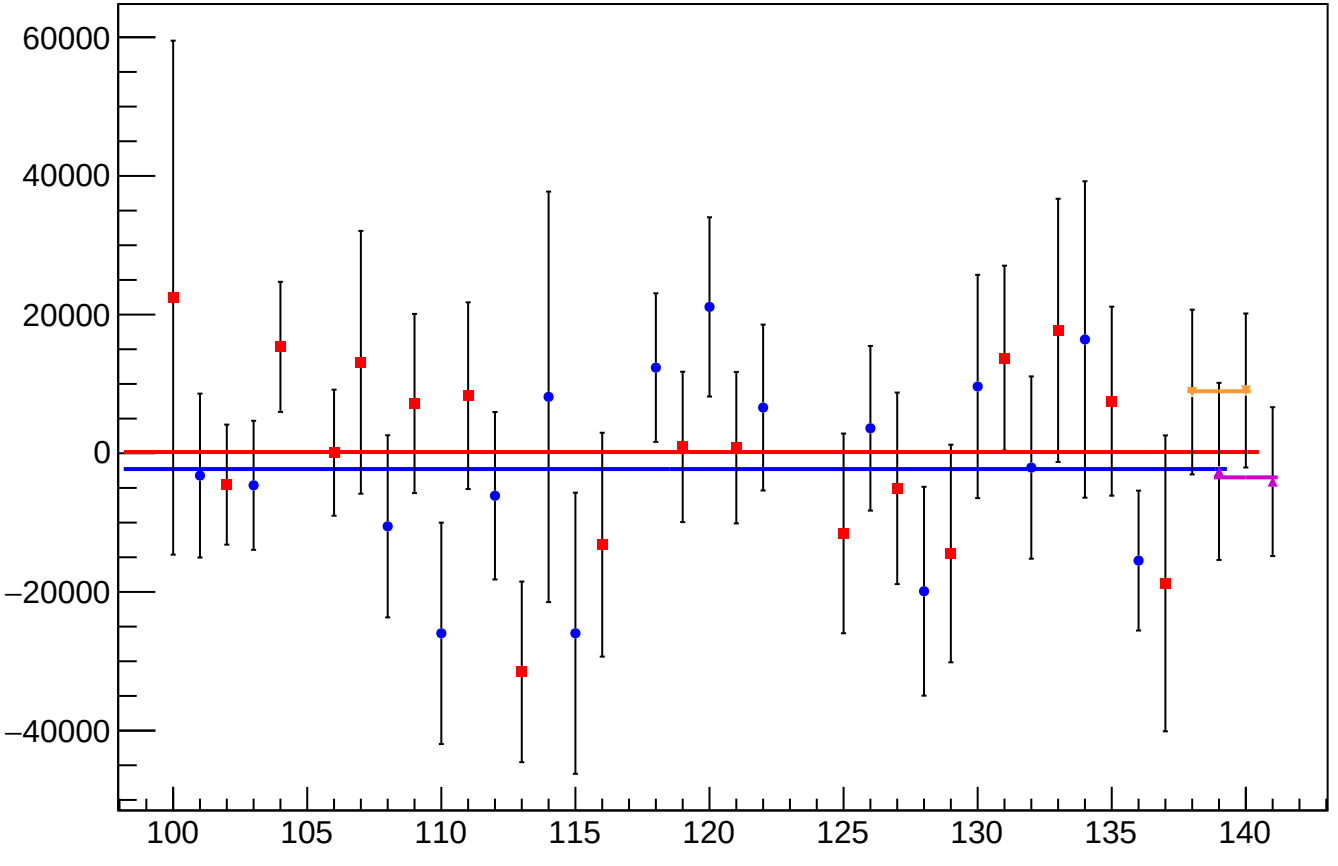
Left: 2493.200+/-0.963 χ^2/NDF: 3997.3/3

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2264.706+/-0.539 χ^2/NDF:213954.6/17

Out: 2267.056+/-0.546 χ^2/NDF:210869.5/19

All: 2265.865+/-0.384 χ^2/NDF: 424833.5/37



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 8948.086+/-8114.076 χ^2/NDF:0.0/1

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -3478.895+/-8218.042 χ^2/NDF:0.0/1

Left: 2813.698+/-5773.925 χ^2/NDF: 1.2/3

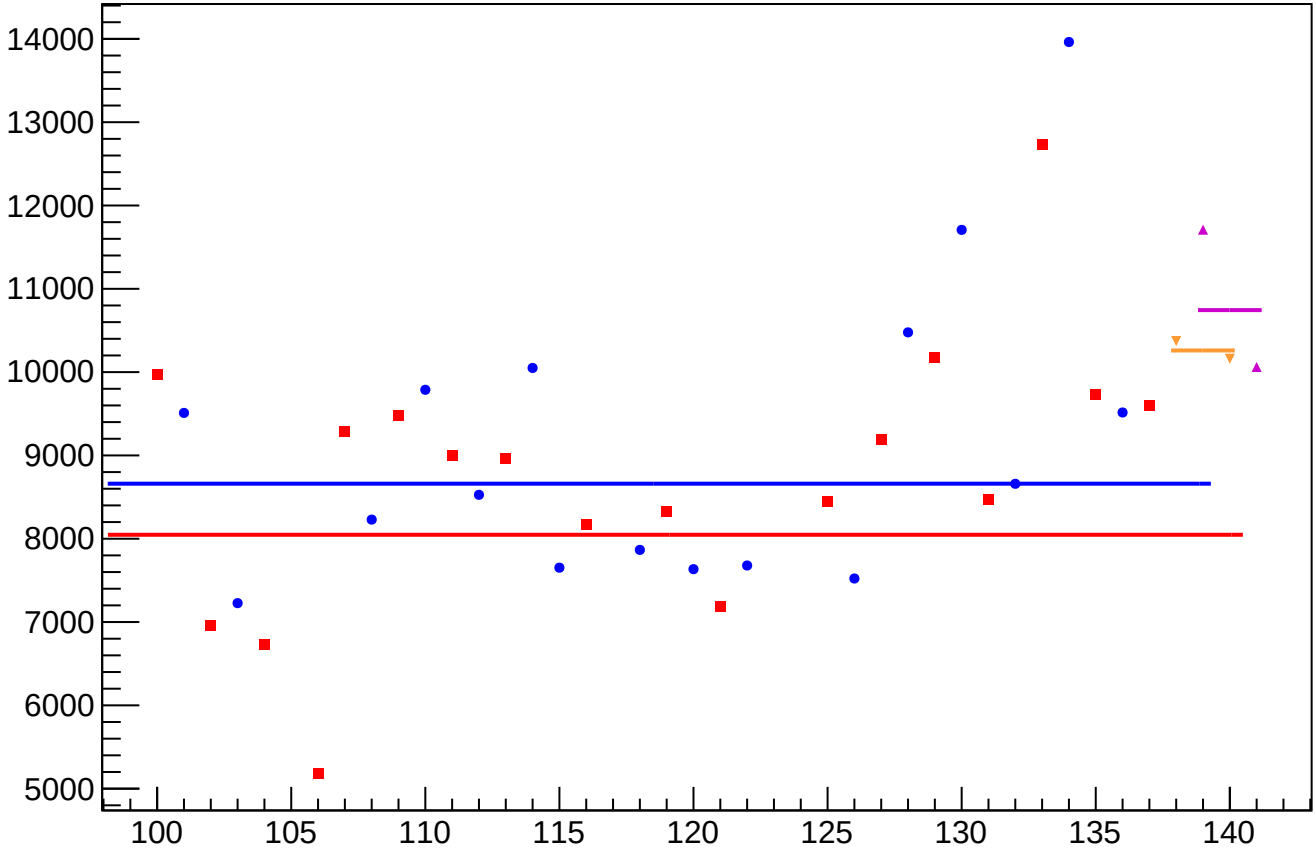
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -2442.678+/-3039.712 χ^2/NDF:14.5/17

Out: 1253.765+/-2842.946 χ^2/NDF:16.7/19

All: -470.954+/-2076.346 χ^2/NDF: 32.0/37

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10259.820+/-5.738 χ^2/NDF:341.8/1

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10744.285+/-5.811 χ^2/NDF:19527.3/1

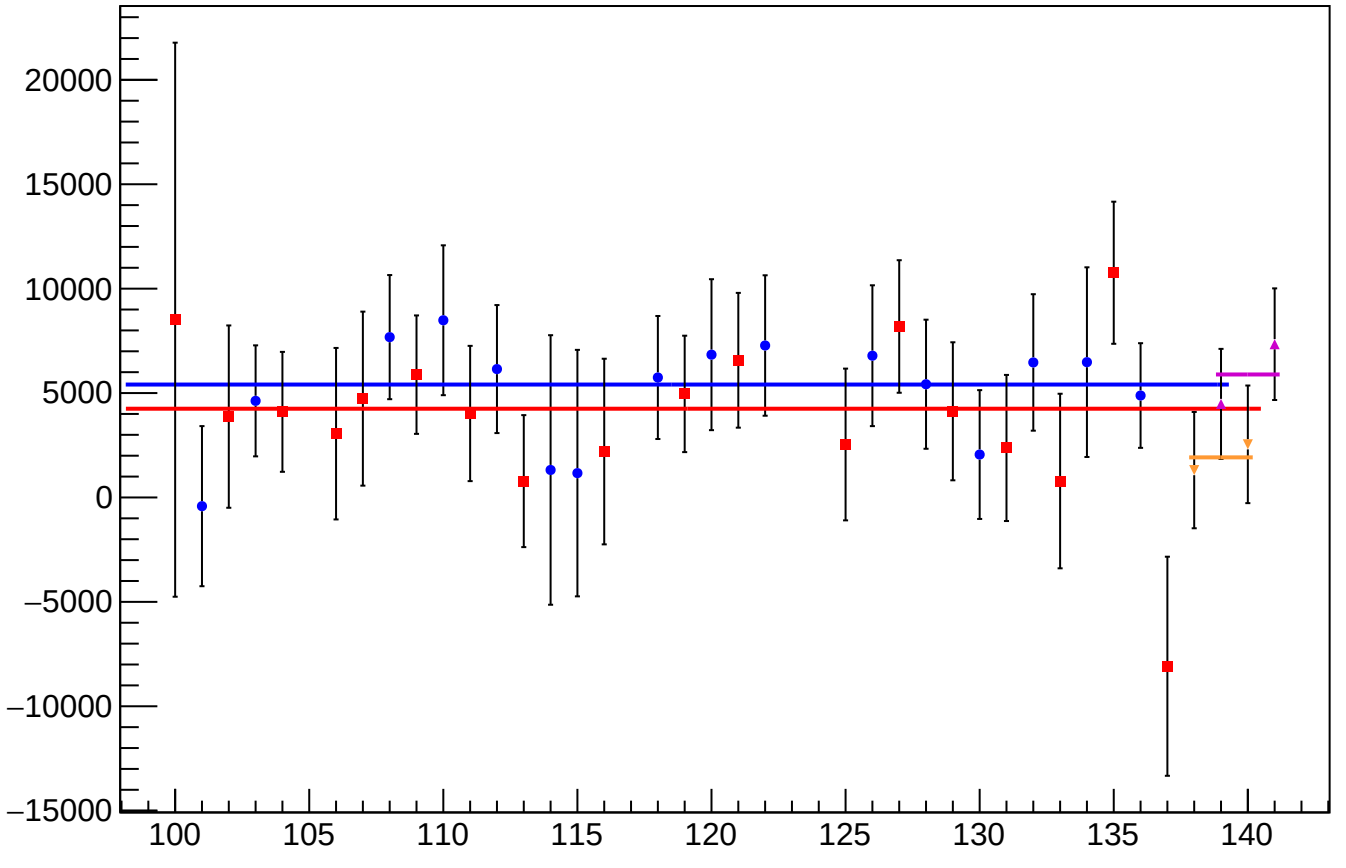
Left: 10498.968+/-4.083 χ^2/NDF: 23388.6/3

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 8945.790+/-2.149 χ^2/NDF:488459.5/17

Out: 8319.050+/-2.010 χ^2/NDF:689332.6/19

All: 8611.480+/-1.468 χ^2/NDF: 1223144.7/37



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1920.041+/-1980.215 χ^2/NDF:0.1/1

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5890.216+/-1876.877 χ^2/NDF:0.6/1

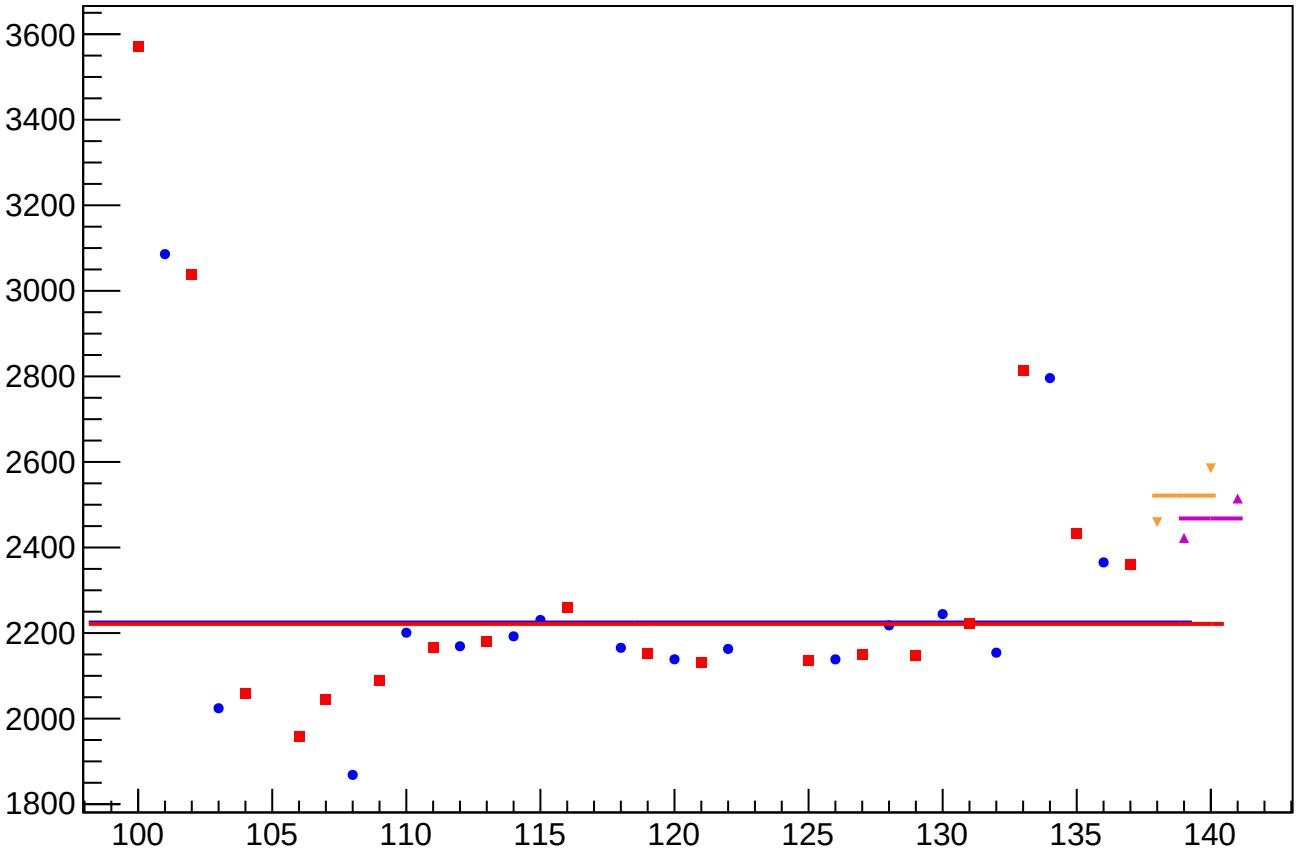
Left: 4011.420+/-1362.220 χ^2/NDF: 2.8/3

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5487.355+/-761.906 χ^2/NDF:7.4/17

Out: 3895.073+/-772.783 χ^2/NDF:15.7/19

All: 4702.498+/-542.554 χ^2/NDF: 25.3/37



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2521.358+/-1.400 χ^2/NDF:2022.8/1

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2467.908+/-1.327 χ^2/NDF:1206.8/1

Left: 2493.202+/-0.963 χ^2/NDF: 3997.2/3

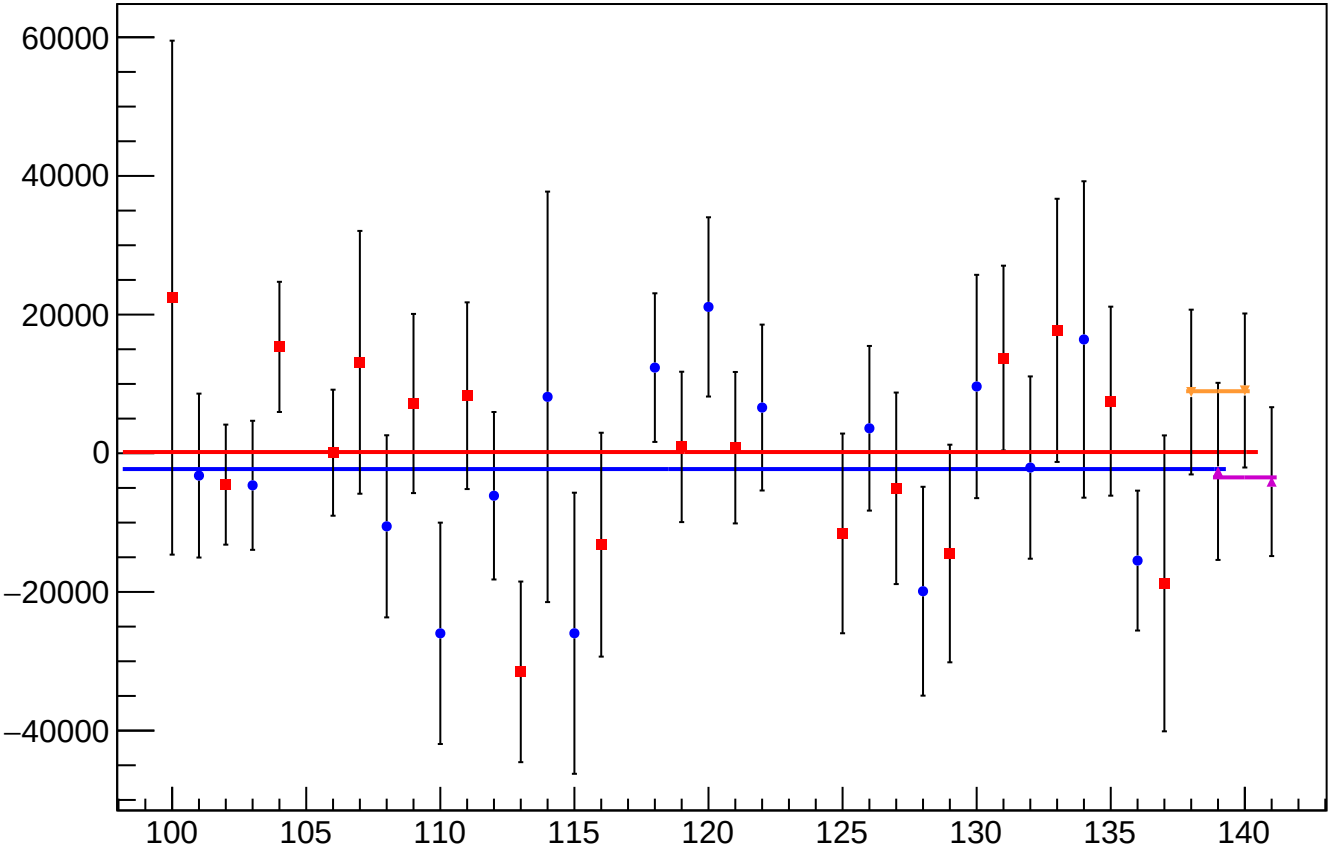
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2264.706+/-0.539 χ^2/NDF:213955.5/17

Out: 2267.056+/-0.546 χ^2/NDF:210870.0/19

All: 2265.865+/-0.384 χ^2/NDF: 424834.8/37

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 8948.092+/-8114.089 χ^2/NDF:0.0/1

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -3478.919+/-8218.055 χ^2/NDF:0.0/1

Left: 2813.690+/-5773.934 χ^2/NDF: 1.2/3

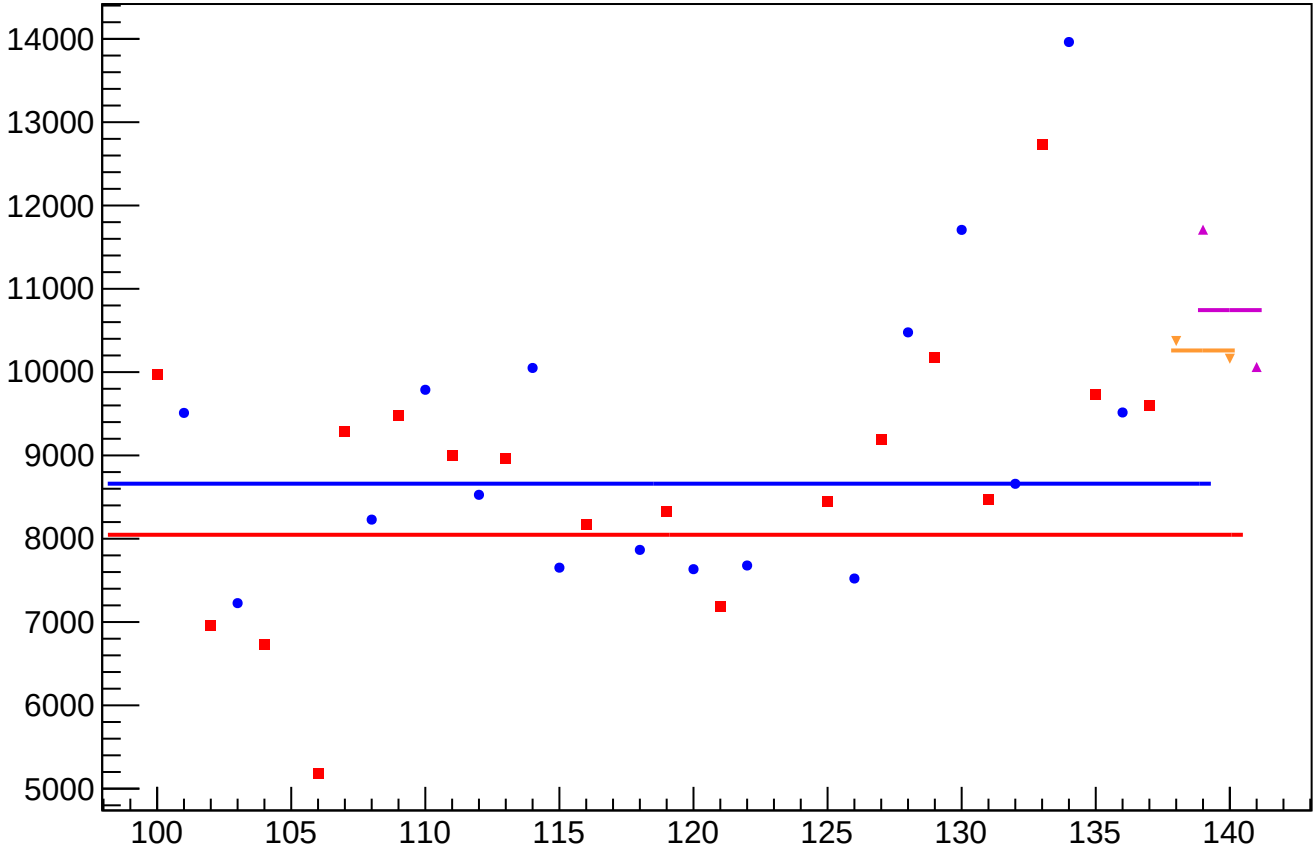
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -2442.661+/-3039.707 χ^2/NDF:14.5/17

Out: 1253.763+/-2842.941 χ^2/NDF:16.7/19

All: -470.947+/-2076.342 χ^2/NDF: 32.0/37

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10259.836+/-5.738 χ^2/NDF:341.9/1

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10744.301+/-5.811 χ^2/NDF:19527.8/1

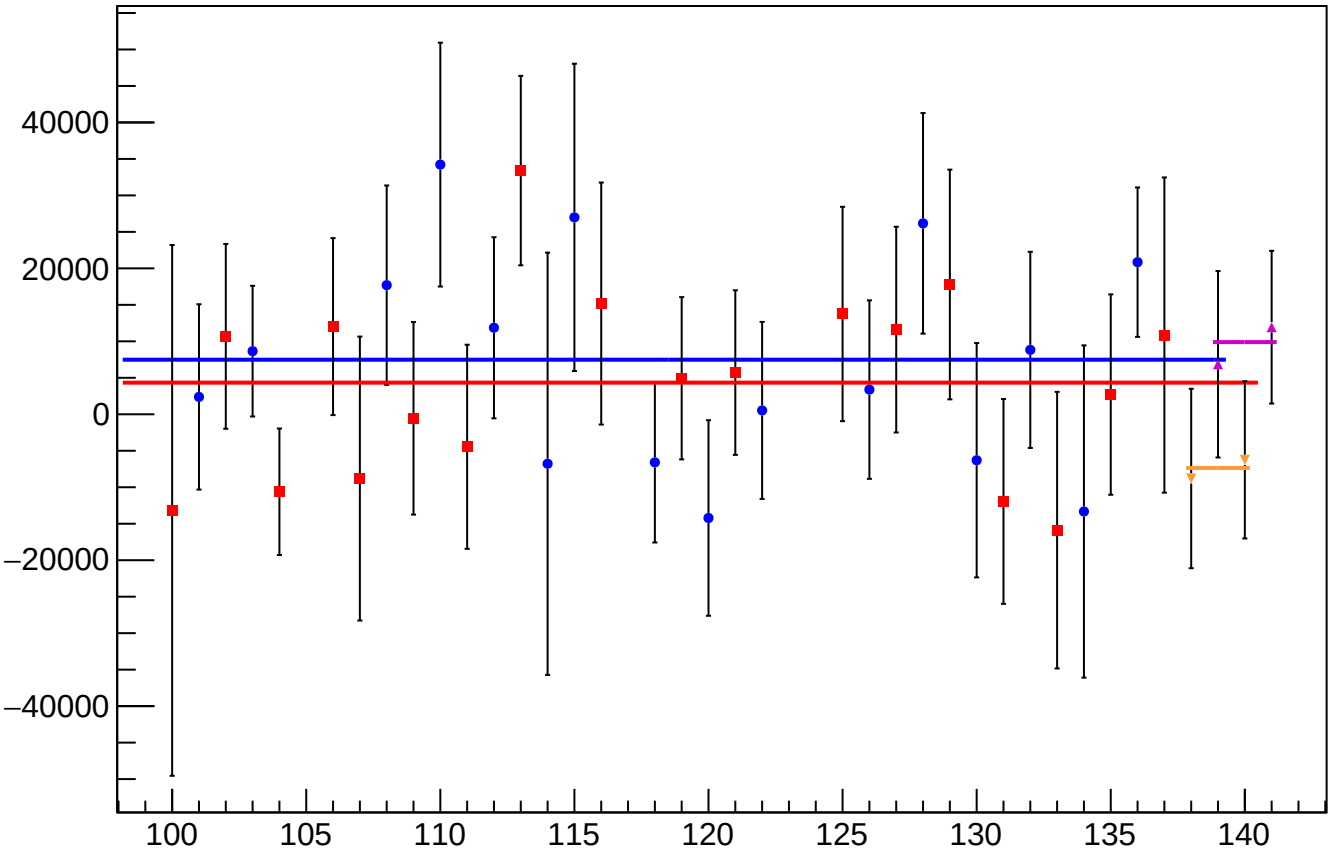
Left: 10498.985+/-4.083 χ^2/NDF: 23389.1/3

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 8945.772+/-2.149 χ^2/NDF:488466.0/17

Out: 8319.035+/-2.010 χ^2/NDF:689334.7/19

All: 8611.464+/-1.468 χ^2/NDF: 1223153.0/37



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -7354.402+/-8103.328 χ^2/NDF:0.0/1

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 9895.639+/-8095.759 χ^2/NDF:0.1/1

Left: 1278.678+/-5727.240 χ^2/NDF: 2.4/3

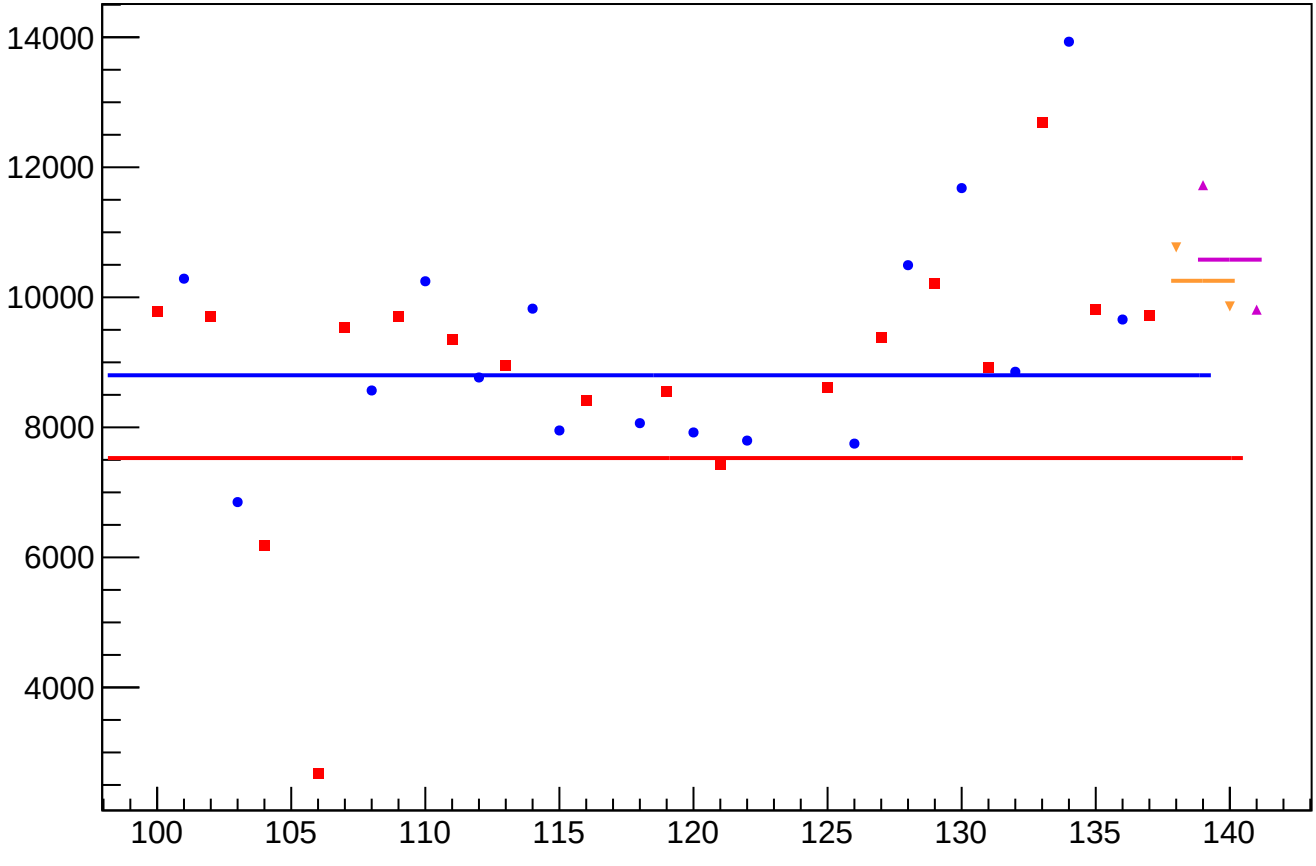
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 7831.237+/-3080.377 χ^2/NDF:14.2/17

Out: 2724.292+/-3010.532 χ^2/NDF:16.1/19

All: 5219.210+/-2153.037 χ^2/NDF: 31.7/37

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10254.309+/-5.730 χ^2/NDF:6171.4/1

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10579.421+/-5.725 χ^2/NDF:26891.3/1

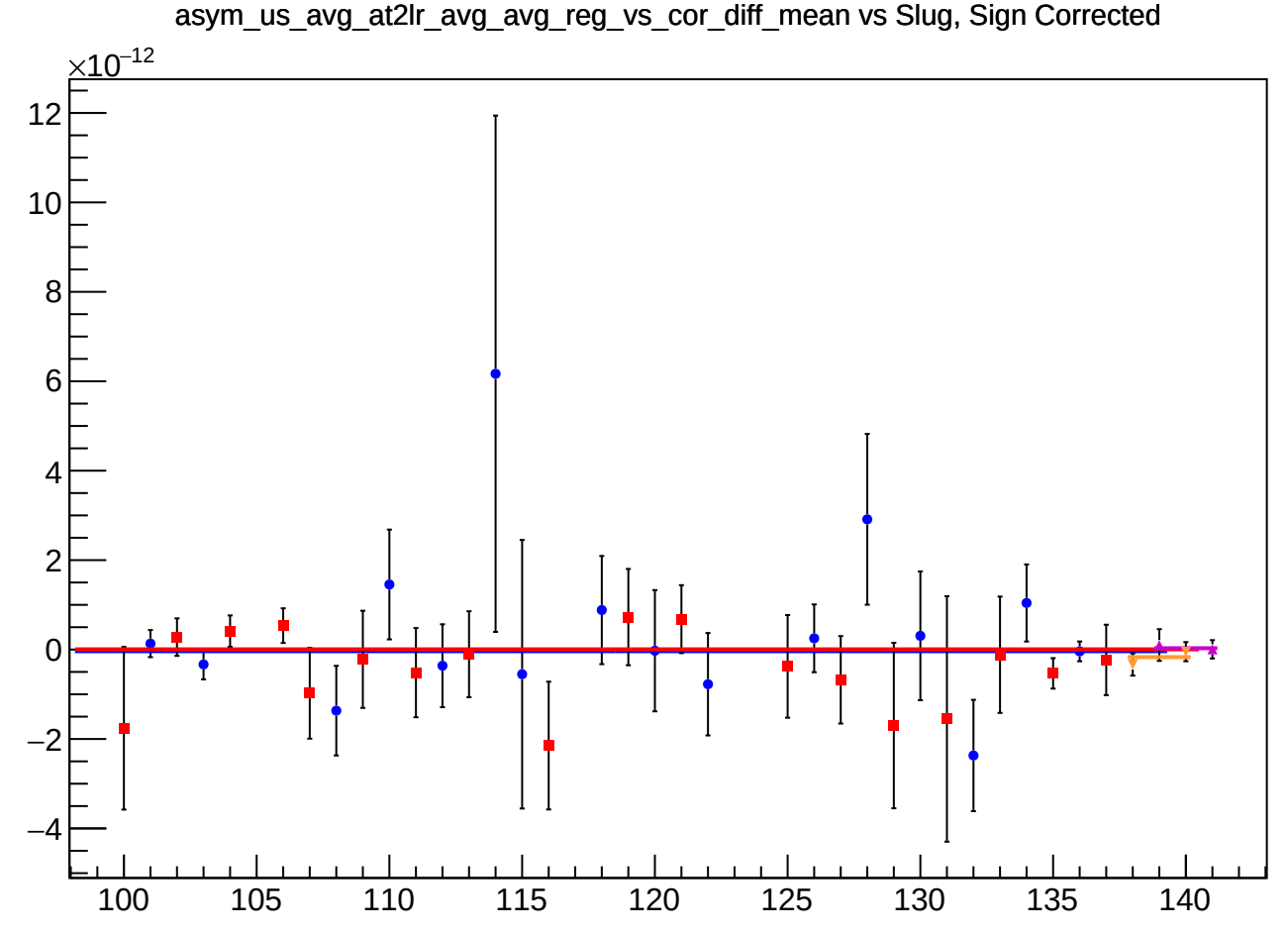
Left: 10417.017+/-4.050 χ^2/NDF: 34673.9/3

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9058.529+/-2.178 χ^2/NDF:503999.8/17

Out: 7858.367+/-1.995 χ^2/NDF:1862440.4/19

All: 8405.922+/-1.471 χ^2/NDF: 2531531.1/37



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

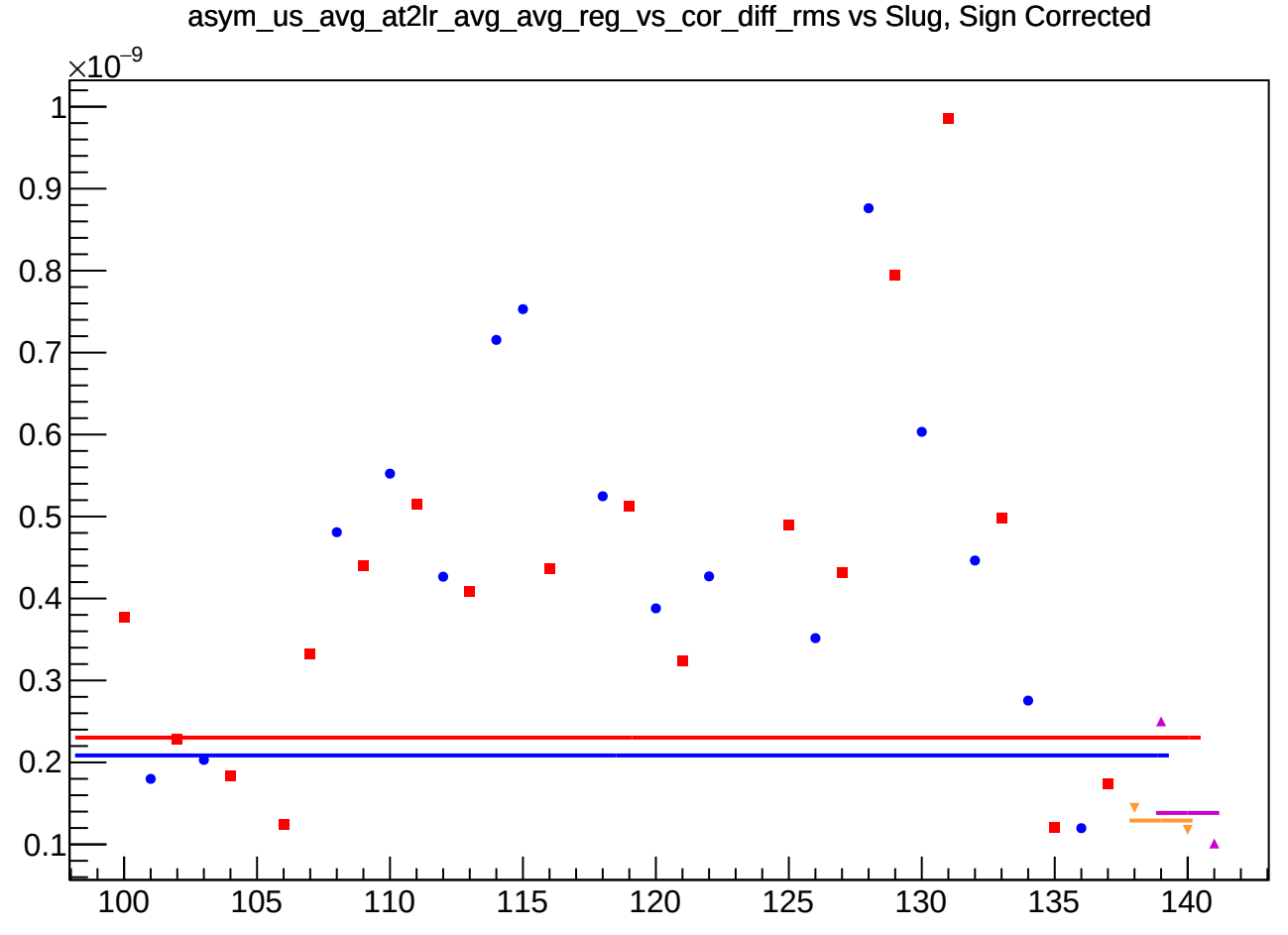
Left: -0.000+/-0.000 χ^2/NDF: 1.5/3

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:14.4/17

Out: -0.000+/-0.000 χ^2/NDF:15.1/19

All: -0.000+/-0.000 χ^2/NDF: 29.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13317.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:264024.1/1

Left: 0.000+/-0.000 χ^2/NDF: 280302.9/3

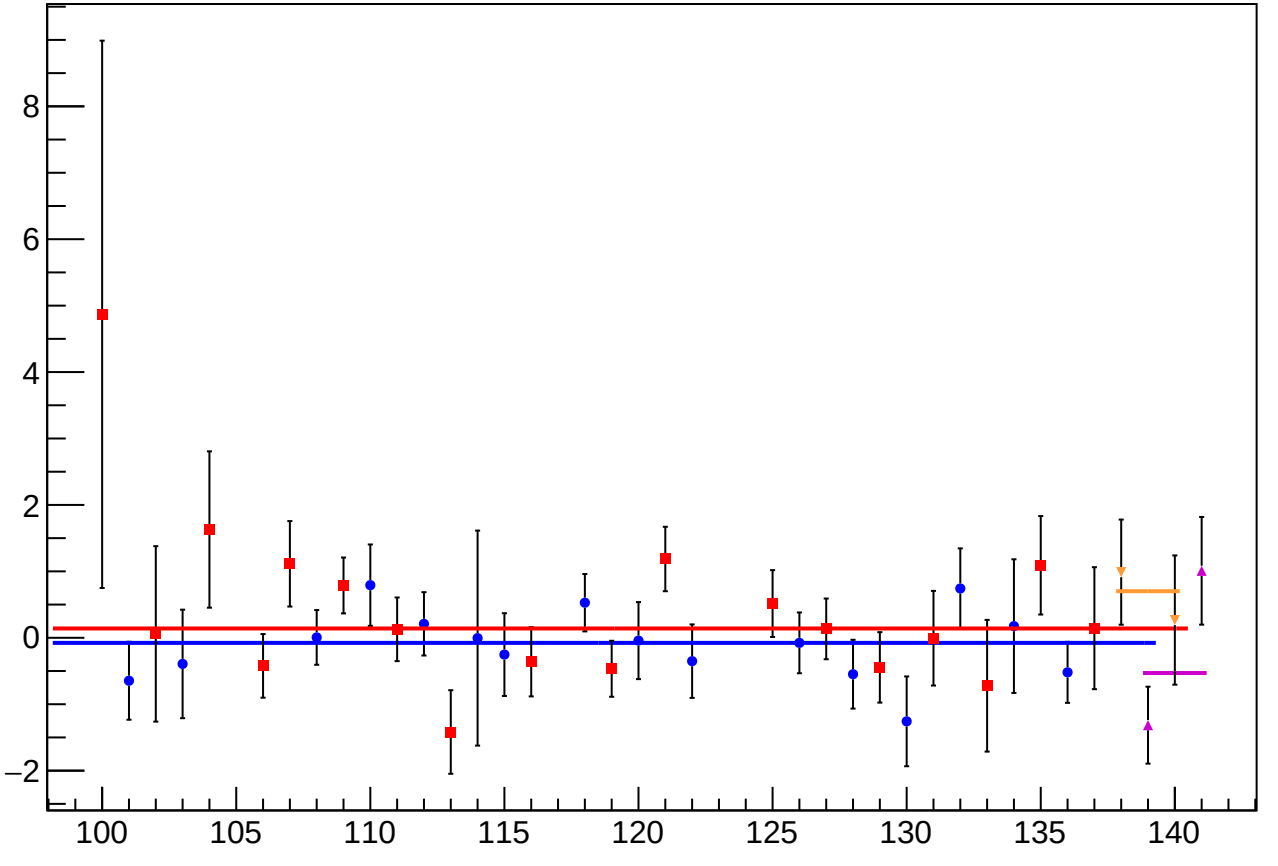
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2087009.7/17

Out: 0.000+/-0.000 χ^2/NDF:1977994.1/19

All: 0.000+/-0.000 χ^2/NDF: 4065009.1/37

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.701+/-0.614 χ^2/NDF:0.3/1

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.530+/-0.471 χ^2/NDF:5.4/1

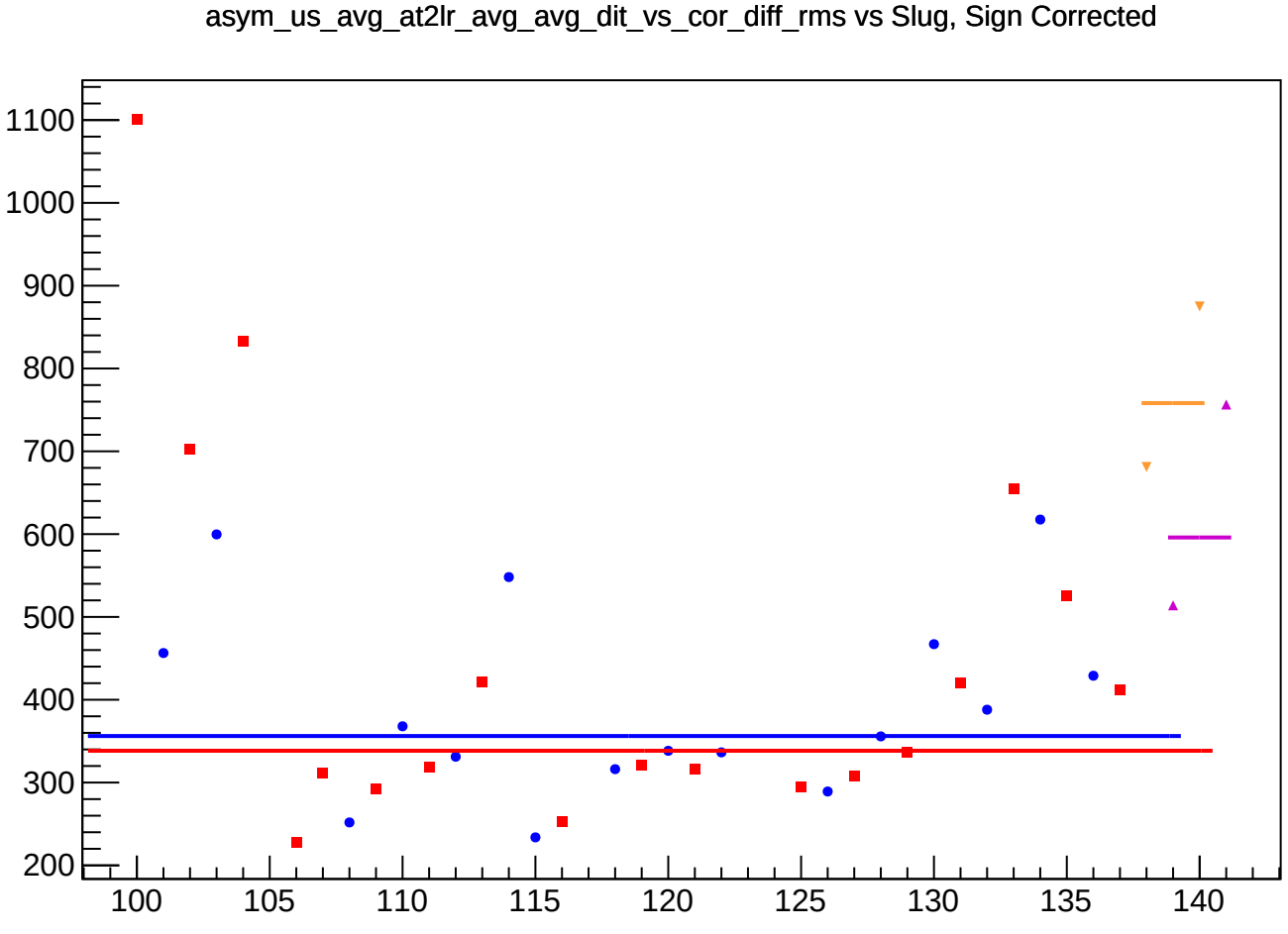
Left: -0.074+/-0.374 χ^2/NDF: 8.3/3

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

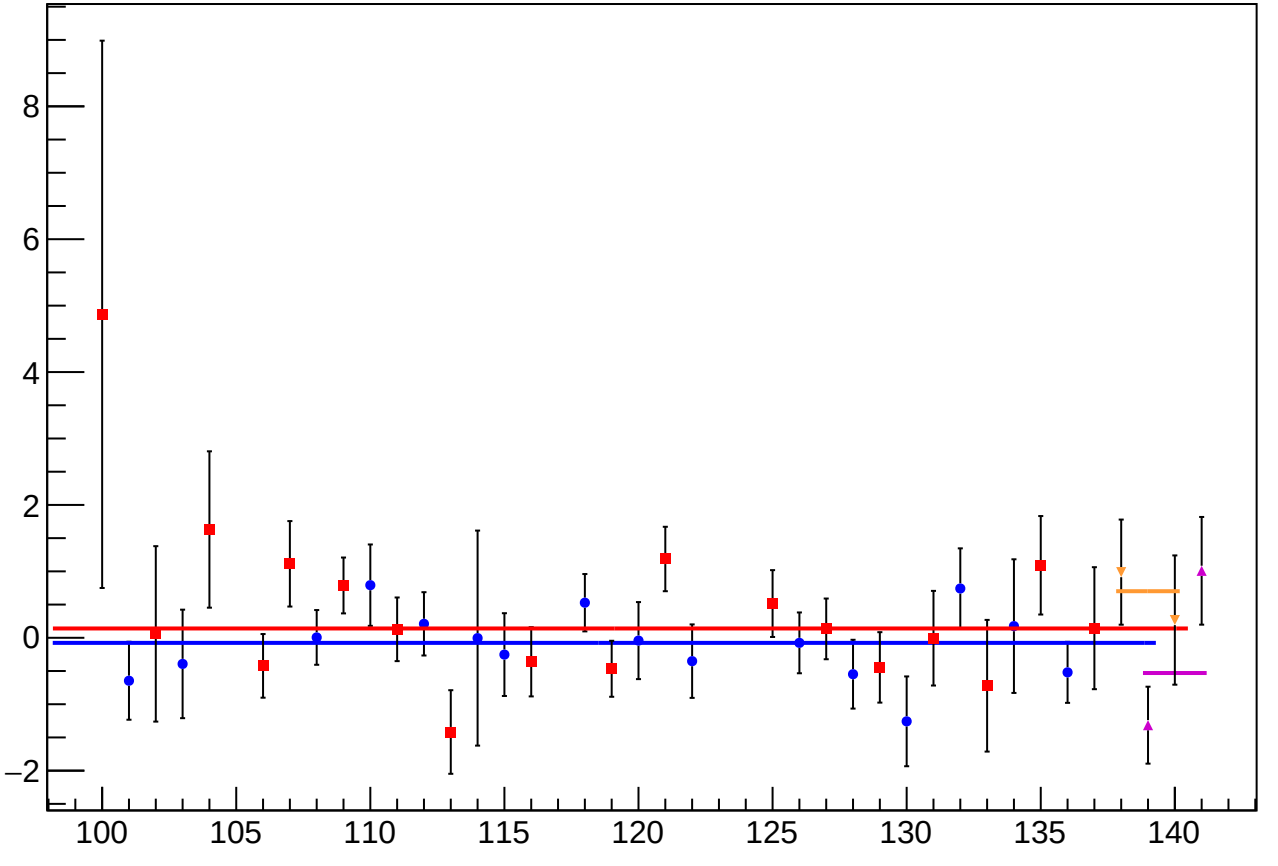
In: -0.113+/-0.134 χ^2/NDF:18.8/17

Out: 0.167+/-0.135 χ^2/NDF:28.1/19

All: 0.026+/-0.095 χ^2/NDF: 49.1/37


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1100
1000
900
800
700
600
500
400
300
200
100
105
110
115
120
125
130
135
140
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 758.240+/-0.434 χ²/NDF:47786.6/1
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 595.952+/-0.333 χ²/NDF:118507.2/1
Left: 656.124+/-0.264 χ²/NDF: 254253.2/3
Right: 347.176+/-0.069 χ²/NDF: 2004764.4/33
In: 375.612+/-0.095 χ²/NDF:1379472.6/17
Out: 358.599+/-0.095 χ²/NDF:2141589.5/19
All: 367.137+/-0.067 χ²/NDF: 3537094.0/37

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.701+/-0.614 χ^2/NDF:0.3/1

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.530+/-0.471 χ^2/NDF:5.4/1

Left: -0.074+/-0.374 χ^2/NDF: 8.3/3

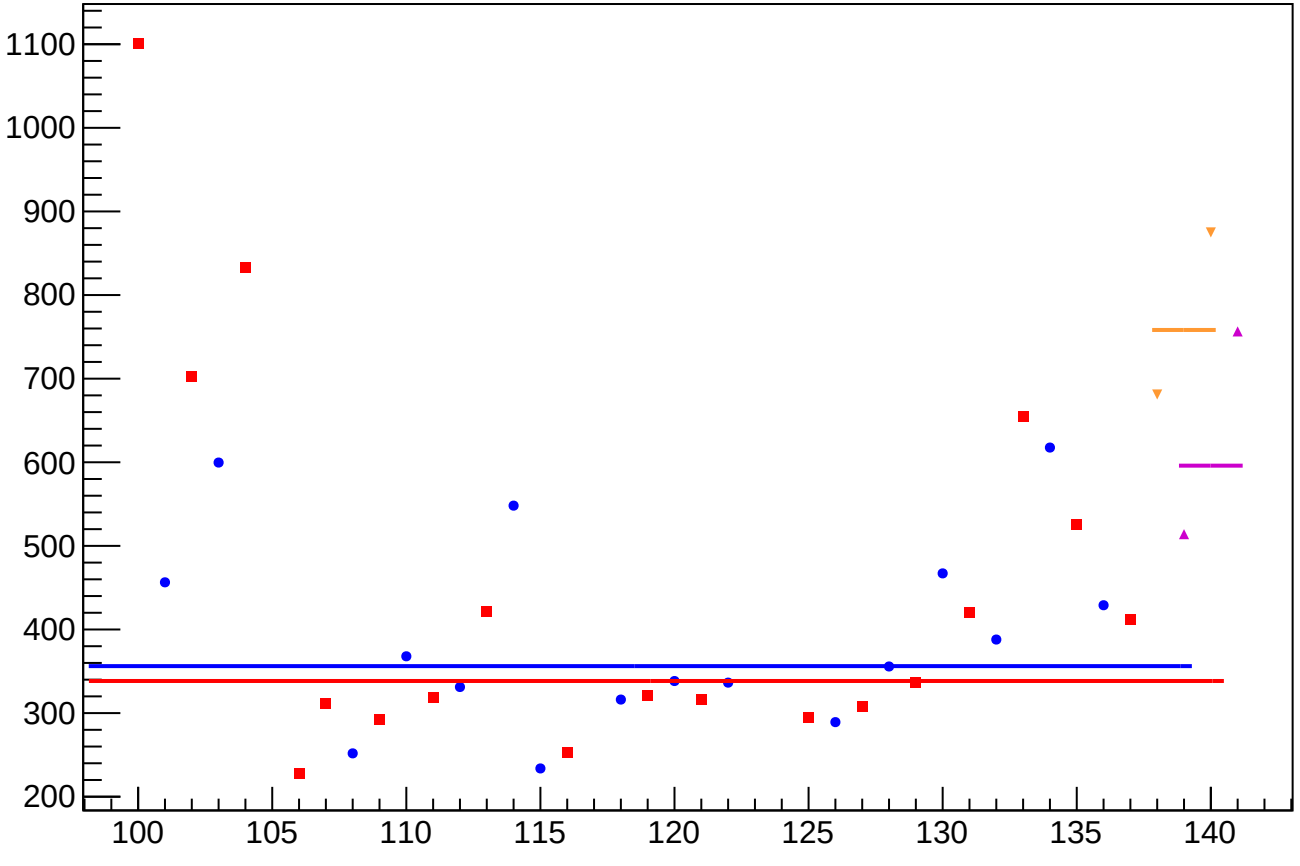
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.113+/-0.134 χ^2/NDF:18.8/17

Out: 0.167+/-0.135 χ^2/NDF:28.1/19

All: 0.026+/-0.095 χ^2/NDF: 49.1/37

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 758.240+/-0.434 χ^2/NDF:47786.6/1

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 595.952+/-0.333 χ^2/NDF:118507.2/1

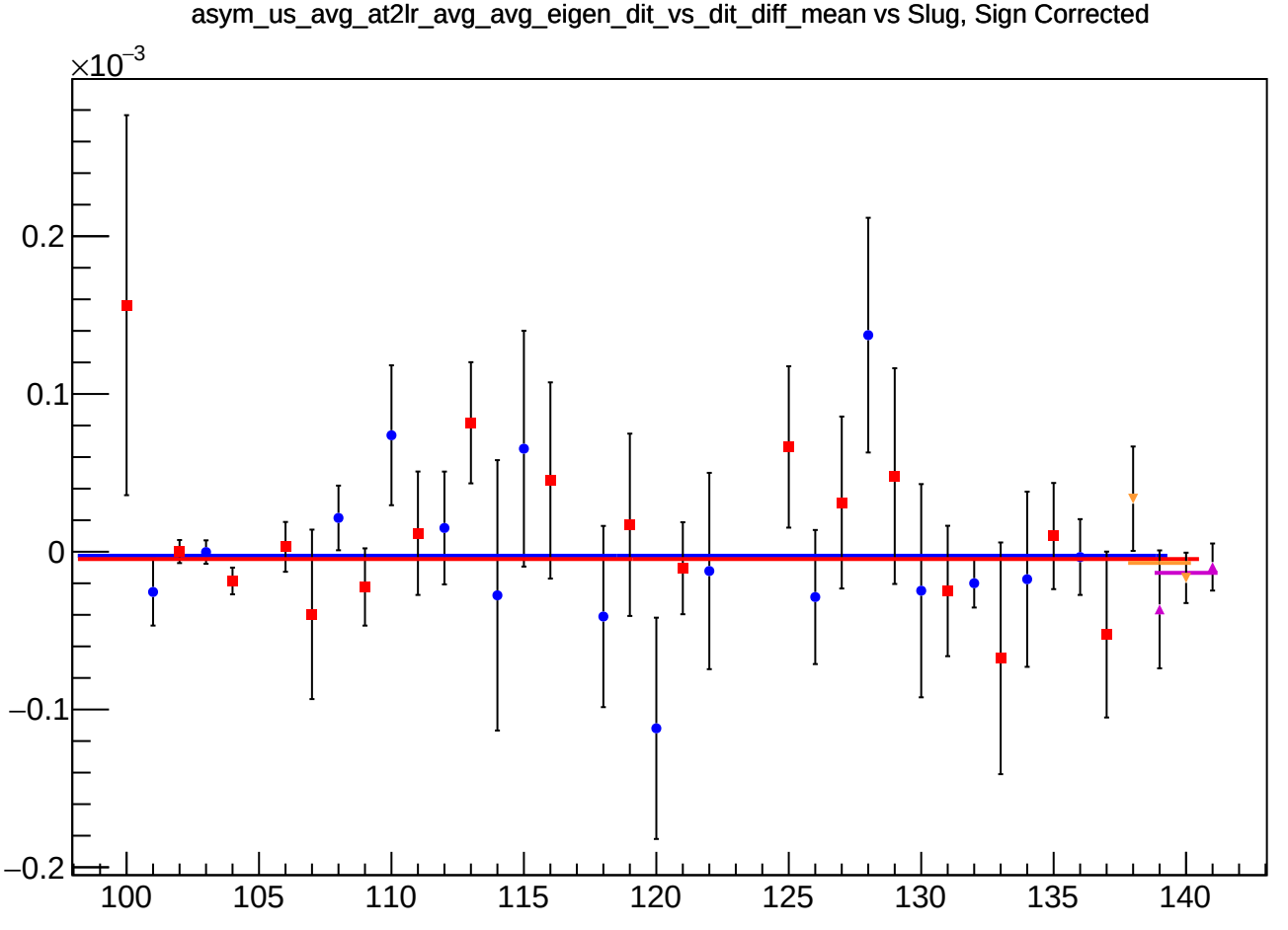
Left: 656.124+/-0.264 χ^2/NDF: 254253.2/3

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 375.612+/-0.095 χ^2/NDF:1379472.6/17

Out: 358.599+/-0.095 χ^2/NDF:2141589.5/19

All: 367.137+/-0.067 χ^2/NDF: 3537094.0/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

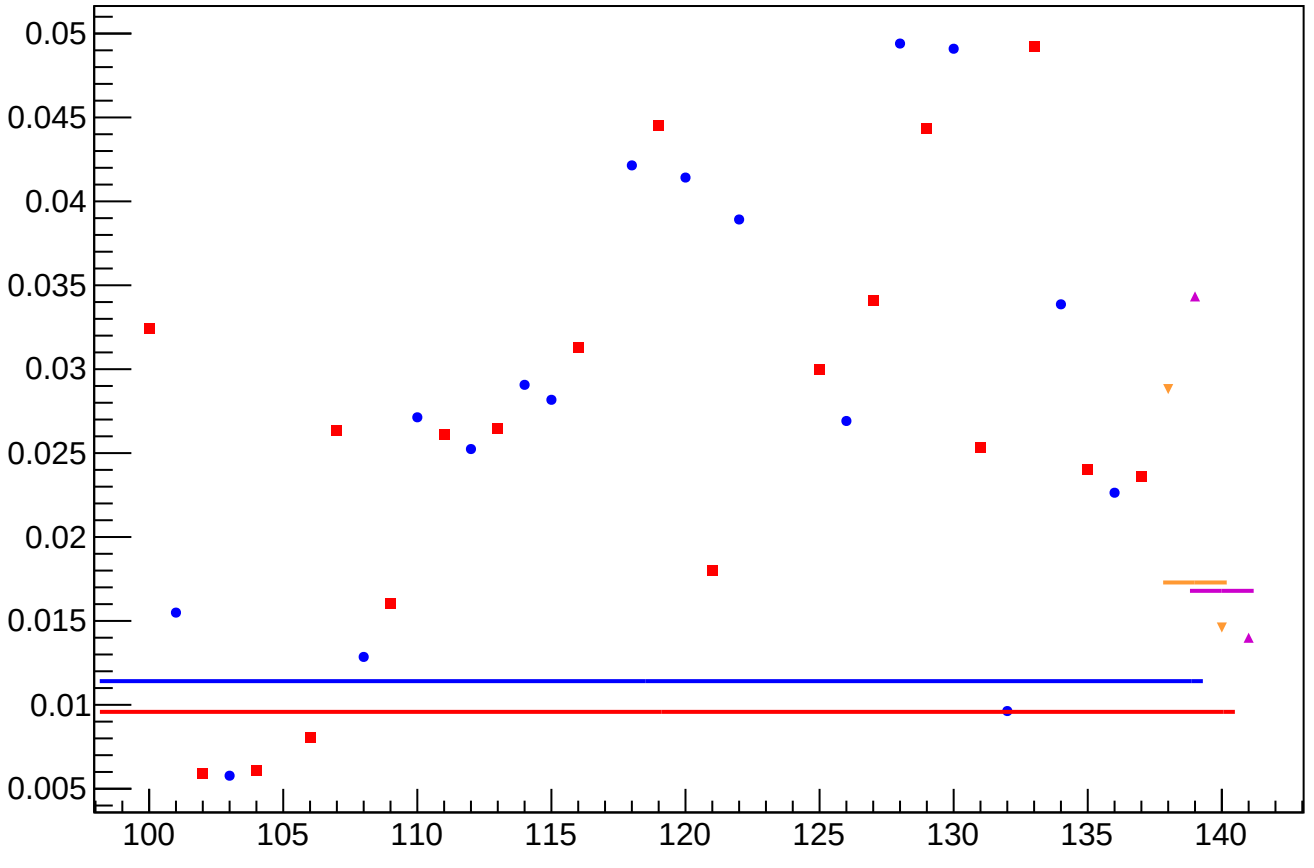
Left: -0.000+/-0.000 χ^2/NDF: 2.4/3

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:16.0/17

Out: -0.000+/-0.000 χ^2/NDF:19.0/19

All: -0.000+/-0.000 χ^2/NDF: 35.0/37



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.017+/-0.000 χ^2/NDF:299226.9/1

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.017+/-0.000 χ^2/NDF:511053.2/1

Left: 0.017+/-0.000 χ^2/NDF: 811525.7/3

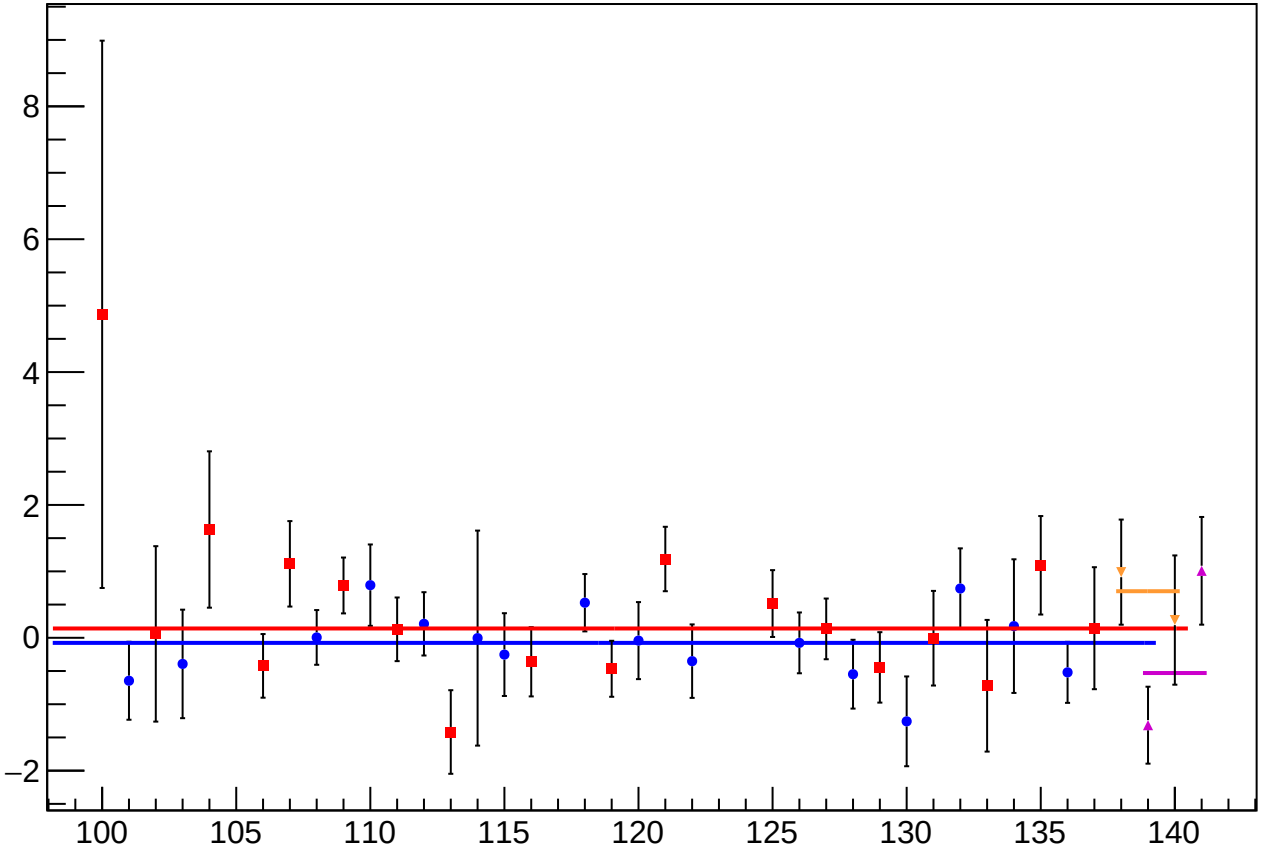
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:6271567.3/17

Out: 0.010+/-0.000 χ^2/NDF:6606071.3/19

All: 0.011+/-0.000 χ^2/NDF: 13020315.5/37

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.701+/-0.614 χ^2/NDF:0.3/1

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.530+/-0.471 χ^2/NDF:5.4/1

Left: -0.074+/-0.374 χ^2/NDF: 8.3/3

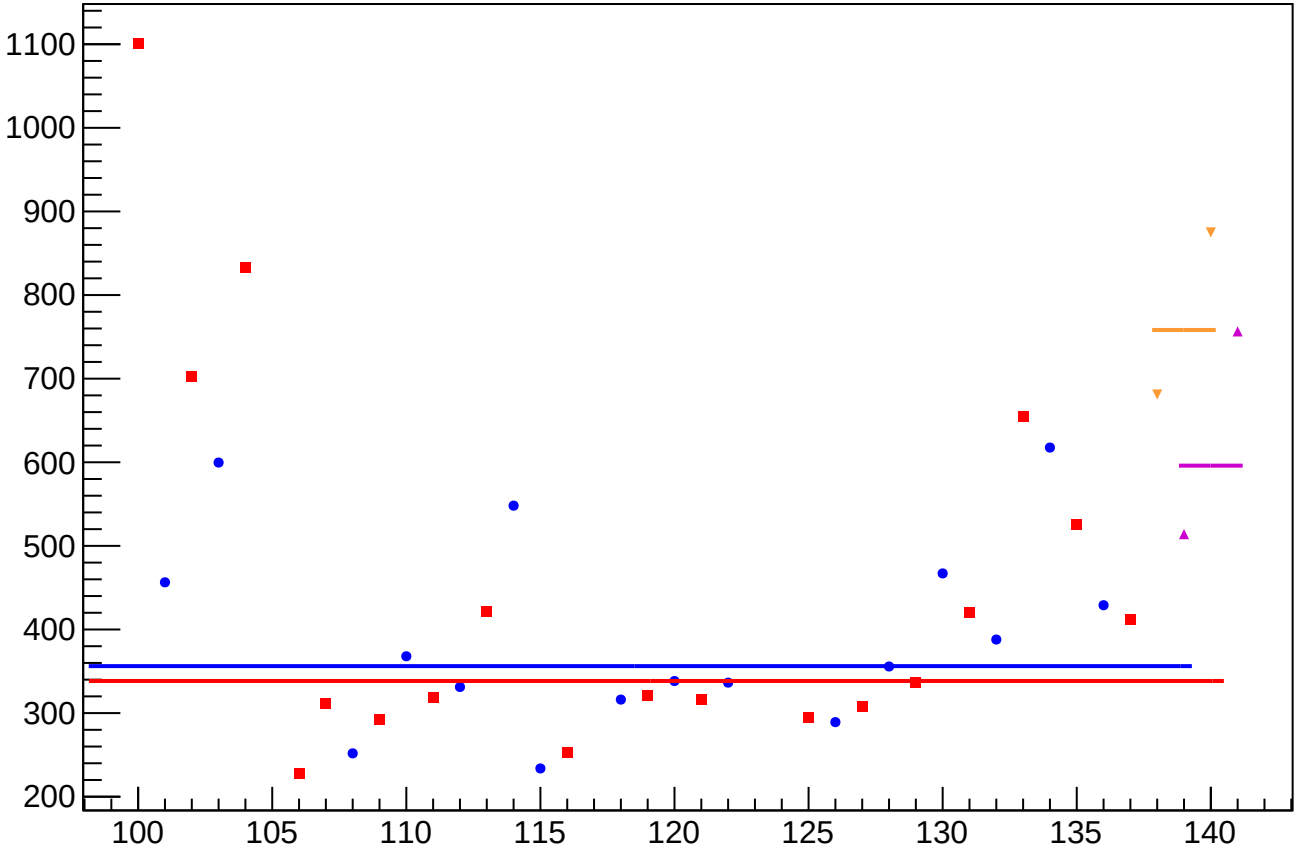
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.113+/-0.134 χ^2/NDF:18.8/17

Out: 0.167+/-0.135 χ^2/NDF:28.1/19

All: 0.026+/-0.095 χ^2/NDF: 49.1/37

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 758.246+/-0.434 χ^2/NDF:47785.2/1

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 595.963+/-0.333 χ^2/NDF:118497.3/1

Left: 656.134+/-0.264 χ^2/NDF: 254234.8/3

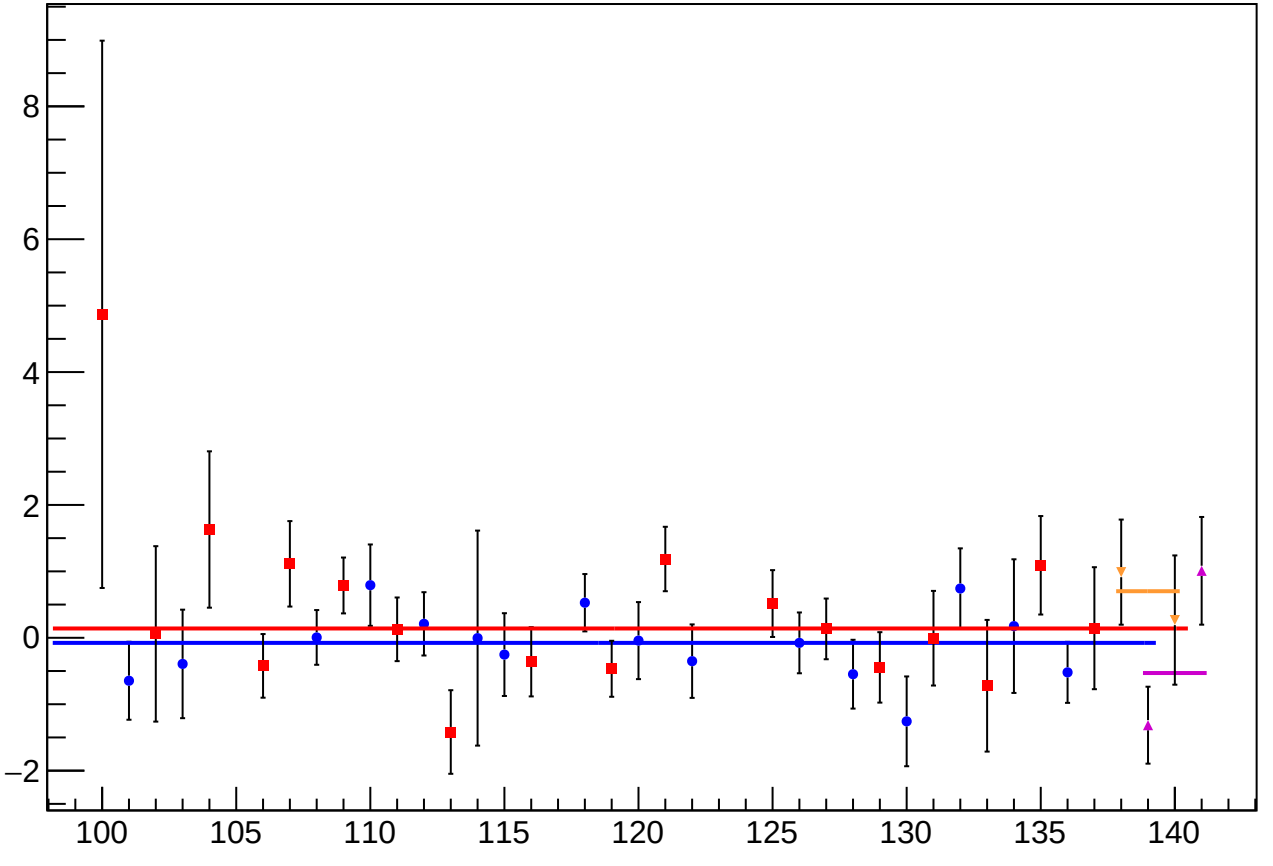
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 375.611+/-0.095 χ^2/NDF:1379463.6/17

Out: 358.597+/-0.095 χ^2/NDF:2141591.2/19

All: 367.136+/-0.067 χ^2/NDF: 3537088.7/37

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.701+/-0.614 χ^2/NDF:0.3/1

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.530+/-0.471 χ^2/NDF:5.4/1

Left: -0.074+/-0.374 χ^2/NDF: 8.3/3

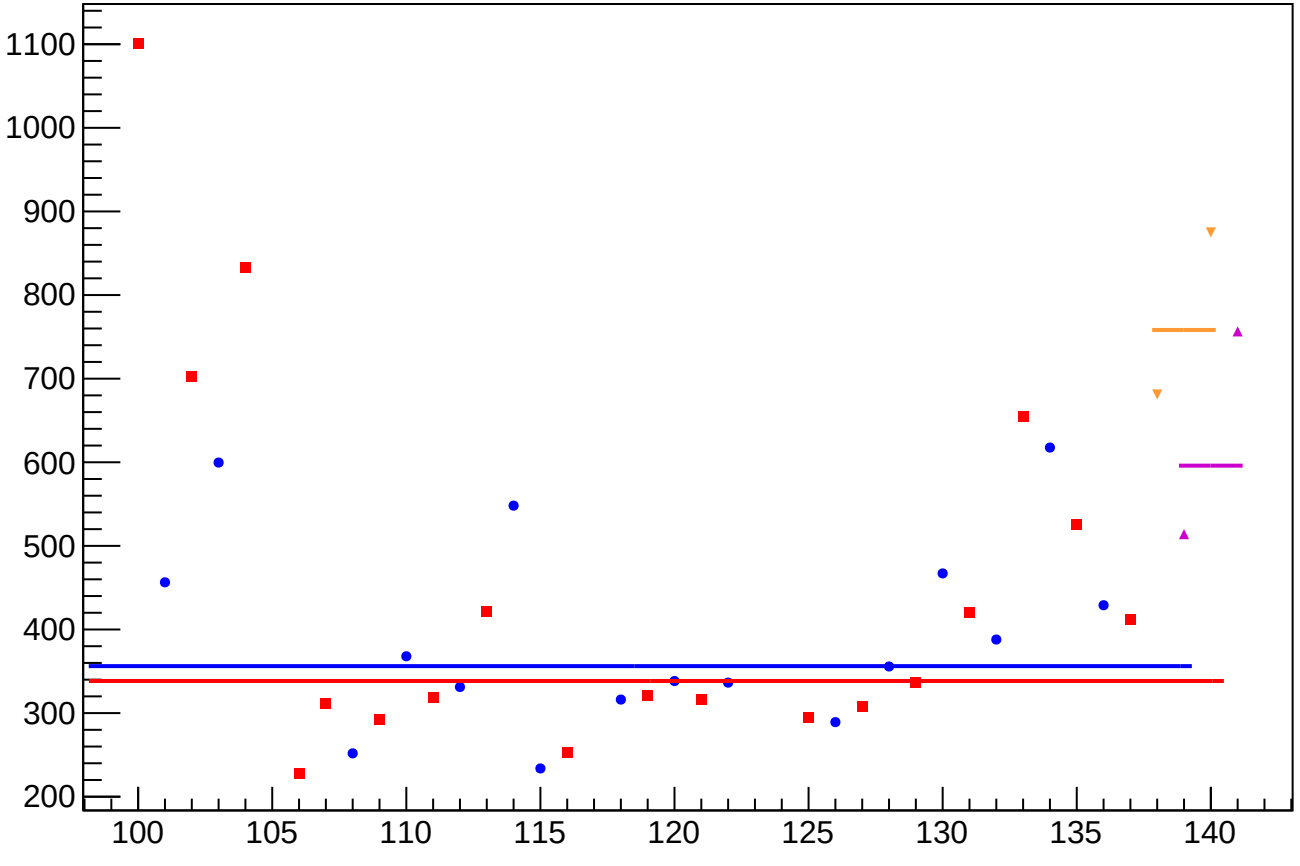
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.113+/-0.134 χ^2/NDF:18.8/17

Out: 0.167+/-0.135 χ^2/NDF:28.1/19

All: 0.026+/-0.095 χ^2/NDF: 49.1/37

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 758.246+/-0.434 χ^2/NDF:47785.2/1

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 595.963+/-0.333 χ^2/NDF:118497.3/1

Left: 656.134+/-0.264 χ^2/NDF: 254234.8/3

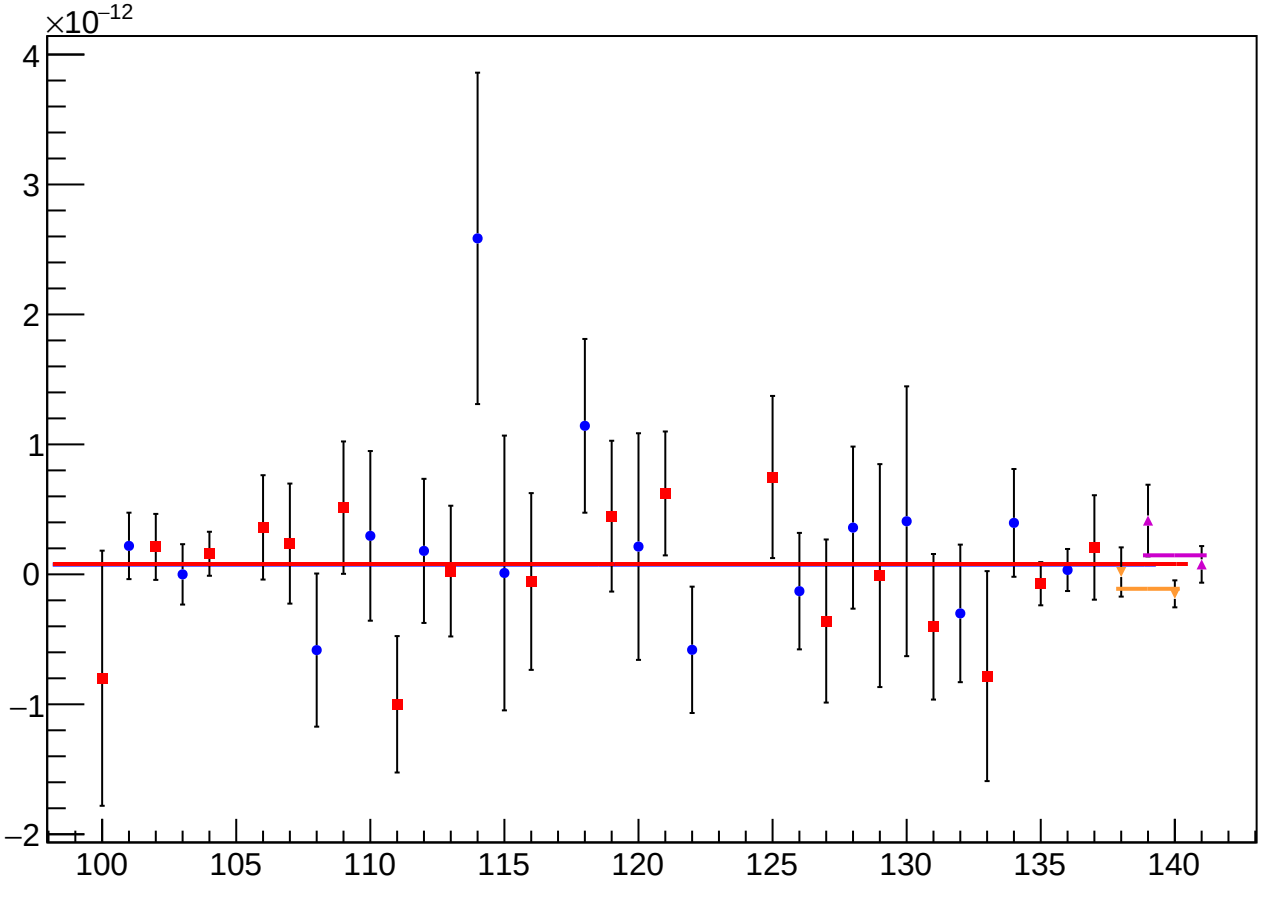
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 375.611+/-0.095 χ^2/NDF:1379463.6/17

Out: 358.597+/-0.095 χ^2/NDF:2141591.2/19

All: 367.136+/-0.067 χ^2/NDF: 3537088.7/37

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

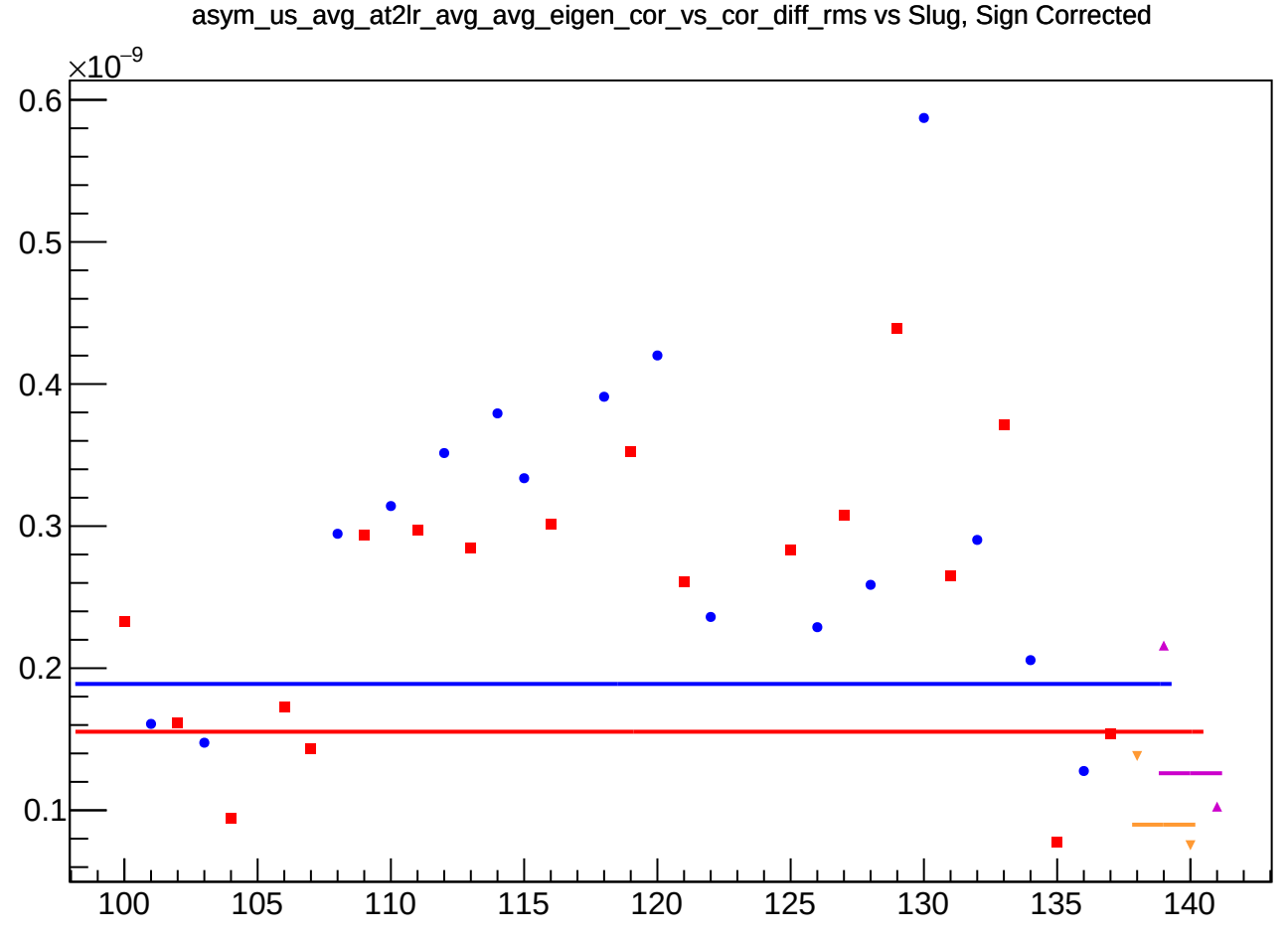
Left: -0.000+/-0.000 χ^2/NDF: 4.6/3

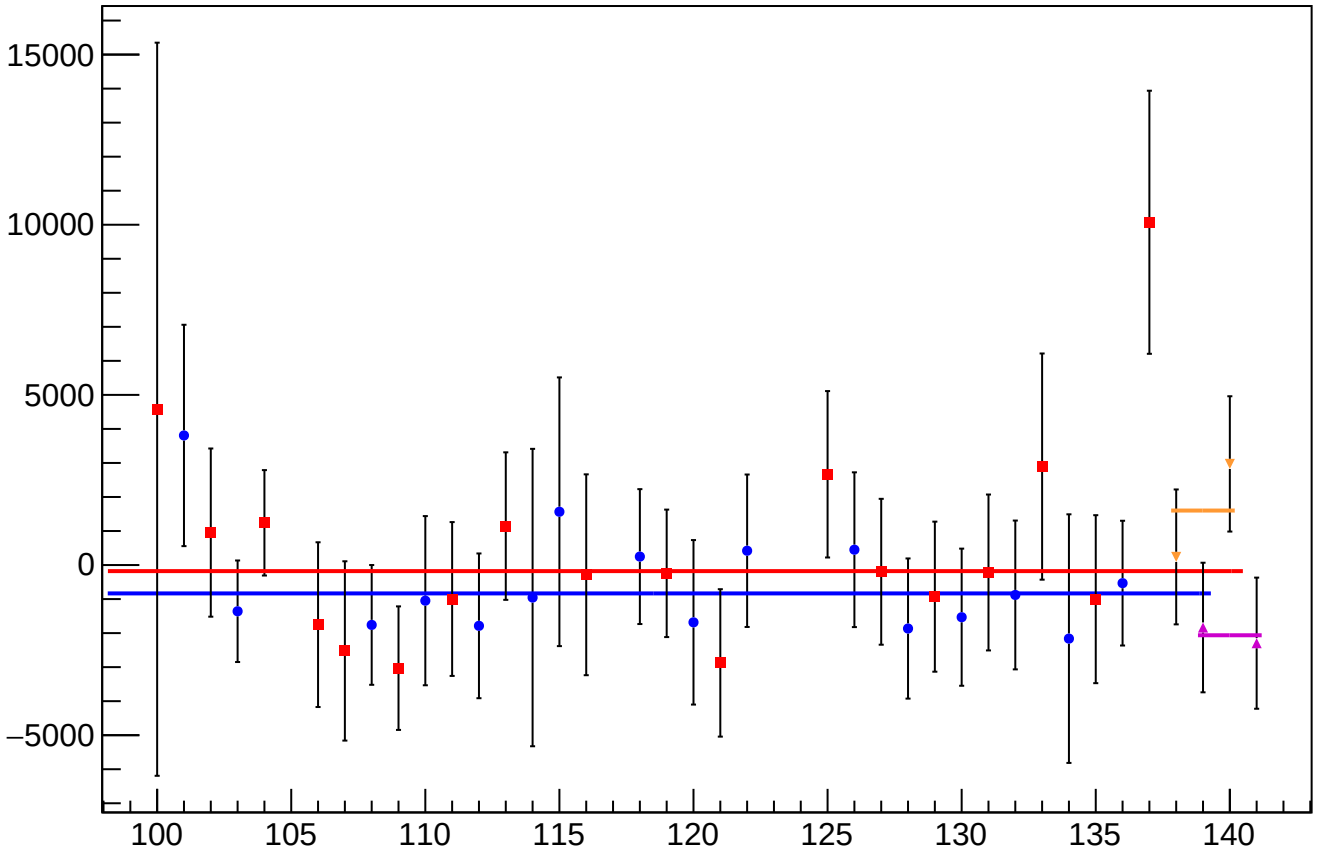
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:13.2/17

Out: -0.000+/-0.000 χ^2/NDF:16.0/19

All: 0.000+/-0.000 χ^2/NDF: 30.5/37


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:168894.9/1
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:267922.7/1
Left: 0.000+/-0.000 χ²/NDF: 545704.0/3
Right: 0.000+/-0.000 χ²/NDF: 3857679.7/33
In: 0.000+/-0.000 χ²/NDF:2104142.2/17
Out: 0.000+/-0.000 χ²/NDF:2917785.0/19
All: 0.000+/-0.000 χ²/NDF: 5366307.6/37



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1601.407+/-1403.711 χ^2/NDF:0.9/1

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -2063.278+/-1354.289 χ^2/NDF:0.0/1

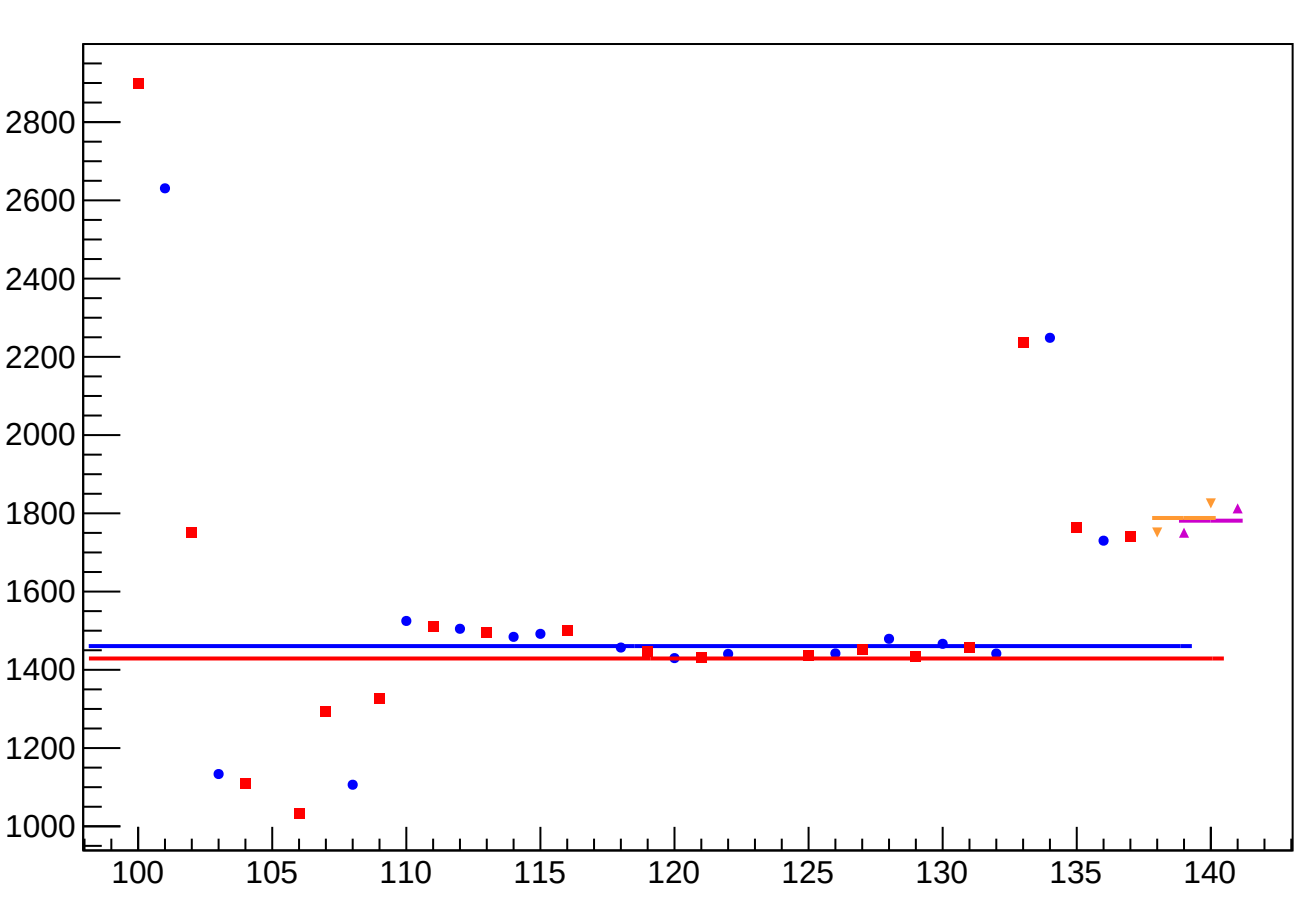
Left: -296.582+/-974.631 χ^2/NDF: 4.5/3

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -1010.226+/-513.417 χ^2/NDF:5.3/17

Out: 56.944+/-510.336 χ^2/NDF:18.8/19

All: -473.430+/-361.946 χ^2/NDF: 26.3/37



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1788.091+/-0.993 χ^2/NDF:1404.2/1

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1781.237+/-0.958 χ^2/NDF:1052.9/1

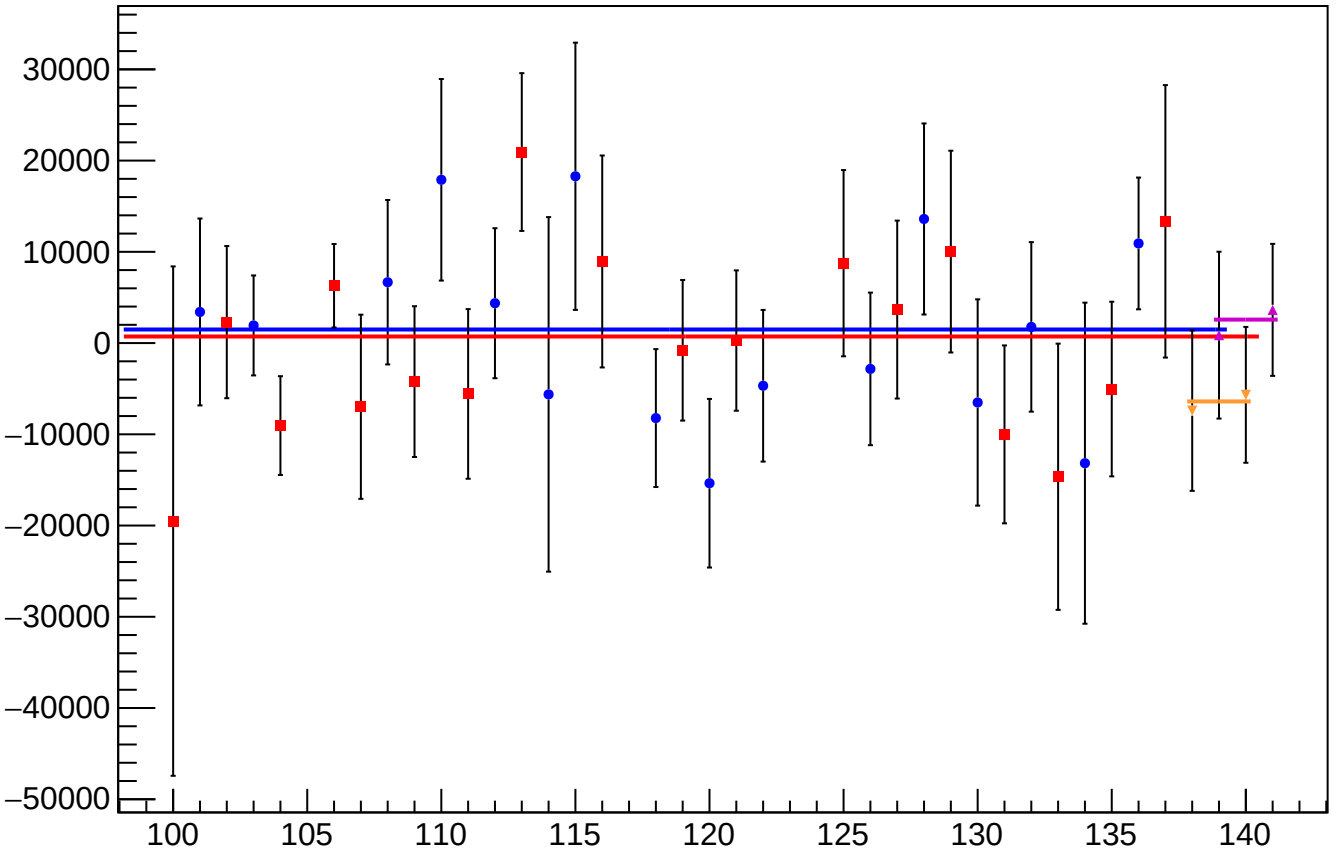
Left: 1784.541+/-0.689 χ^2/NDF: 2481.8/3

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1506.728+/-0.363 χ^2/NDF:672752.1/17

Out: 1475.805+/-0.359 χ^2/NDF:526522.7/19

All: 1491.074+/-0.255 χ^2/NDF: 1202947.6/37



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -6396.657+/-5682.030 χ^2/NDF:0.0/1

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 2571.631+/-5673.761 χ^2/NDF:0.1/1

Left: -1905.982+/-4014.875 χ^2/NDF: 1.3/3

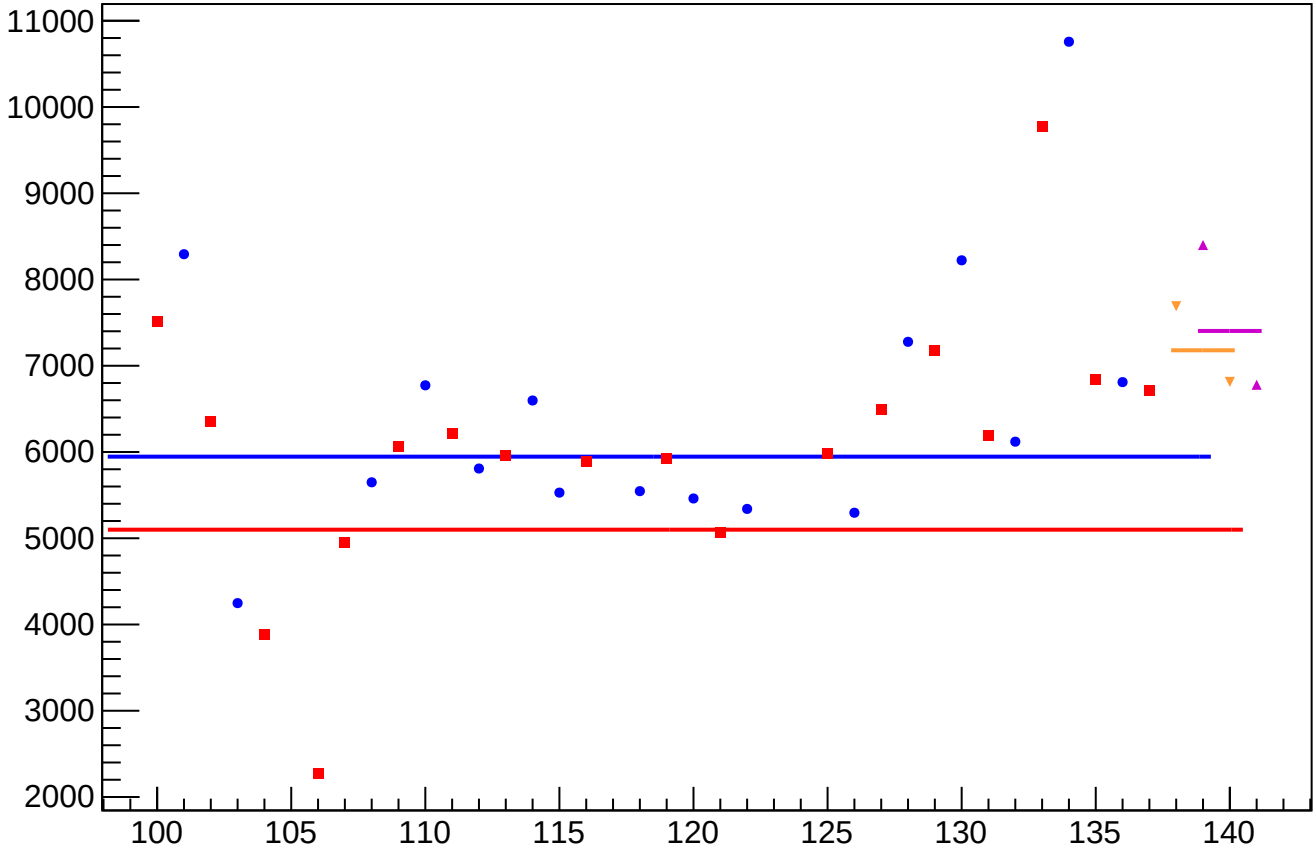
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 1636.814+/-2106.000 χ^2/NDF:14.3/17

Out: -72.452+/-1896.237 χ^2/NDF:18.9/19

All: 692.841+/-1409.183 χ^2/NDF: 33.6/37

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7179.257+/-4.018 χ^2/NDF:11596.3/1

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7403.613+/-4.012 χ^2/NDF:38623.8/1

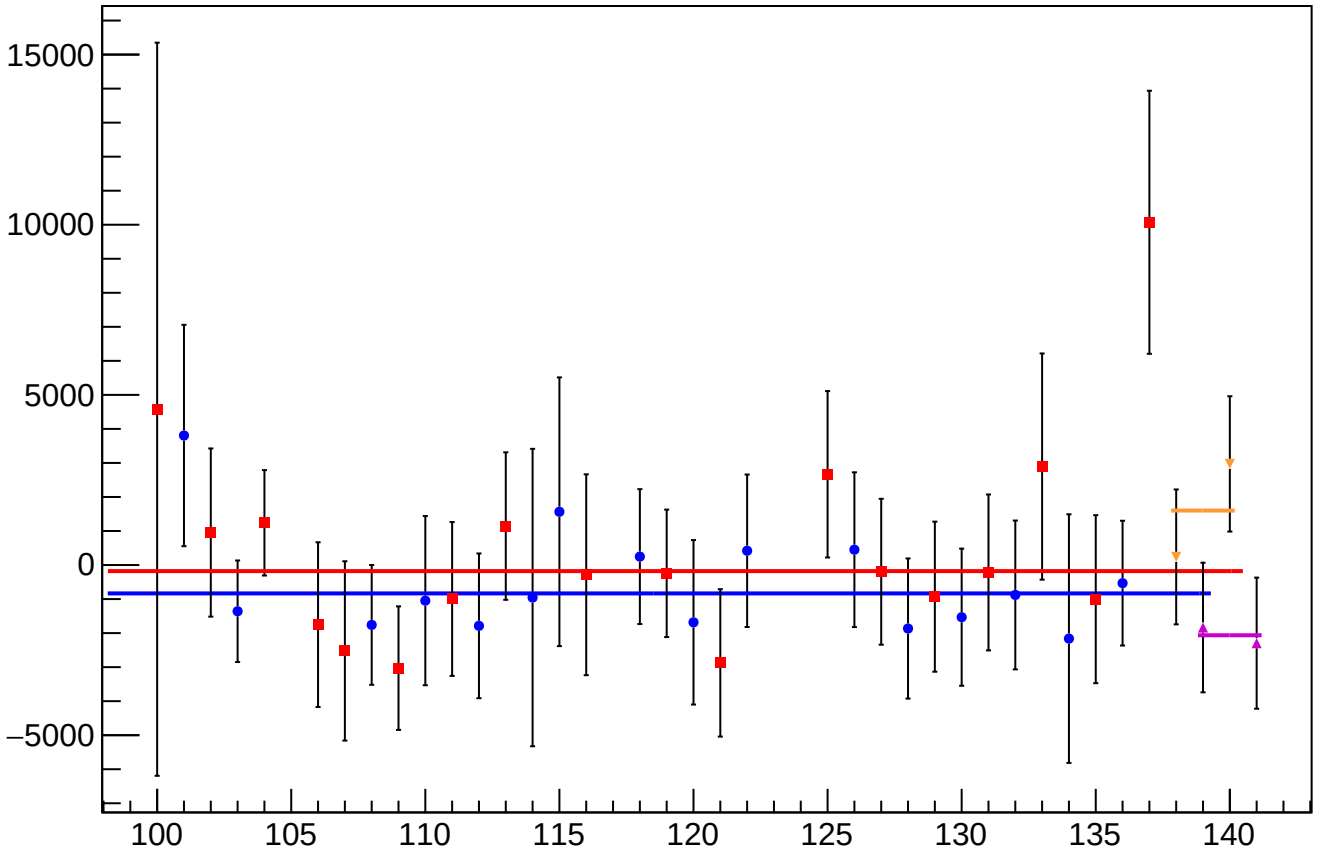
Left: 7291.598+/-2.839 χ^2/NDF: 51781.4/3

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6146.893+/-1.489 χ^2/NDF:793555.9/17

Out: 5331.016+/-1.341 χ^2/NDF:1730096.8/19

All: 5696.311+/-0.996 χ^2/NDF: 2689425.2/37



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1601.323+/-1403.711 χ^2/NDF:0.9/1

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -2063.243+/-1354.289 χ^2/NDF:0.0/1

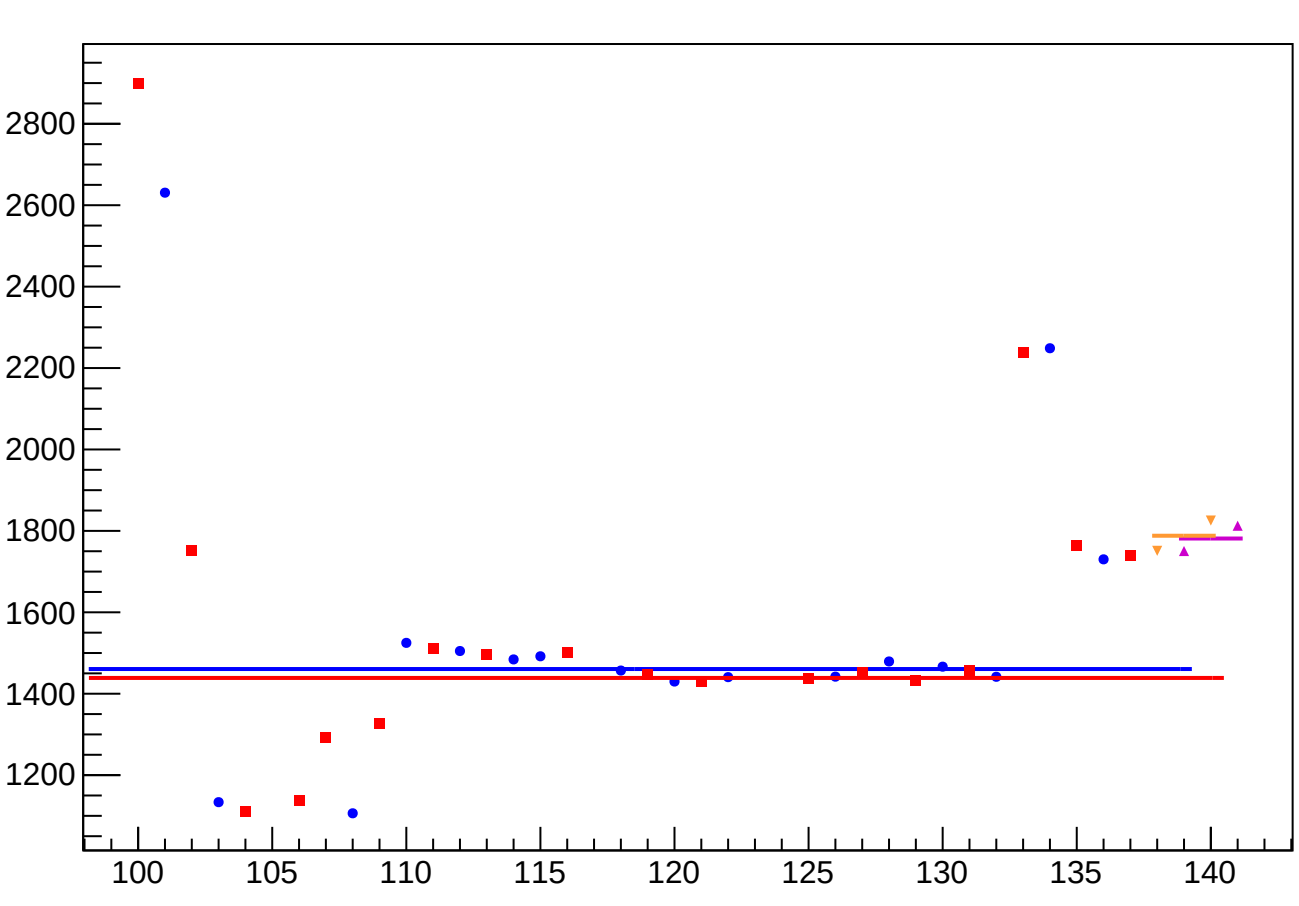
Left: -296.605+/-974.631 χ^2/NDF: 4.5/3

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1010.275+/-513.417 χ^2/NDF:5.3/17

Out: 57.071+/-510.336 χ^2/NDF:18.8/19

All: -473.390+/-361.946 χ^2/NDF: 26.3/37



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1788.091+/-0.993 χ^2/NDF:1404.2/1

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1781.237+/-0.958 χ^2/NDF:1052.9/1

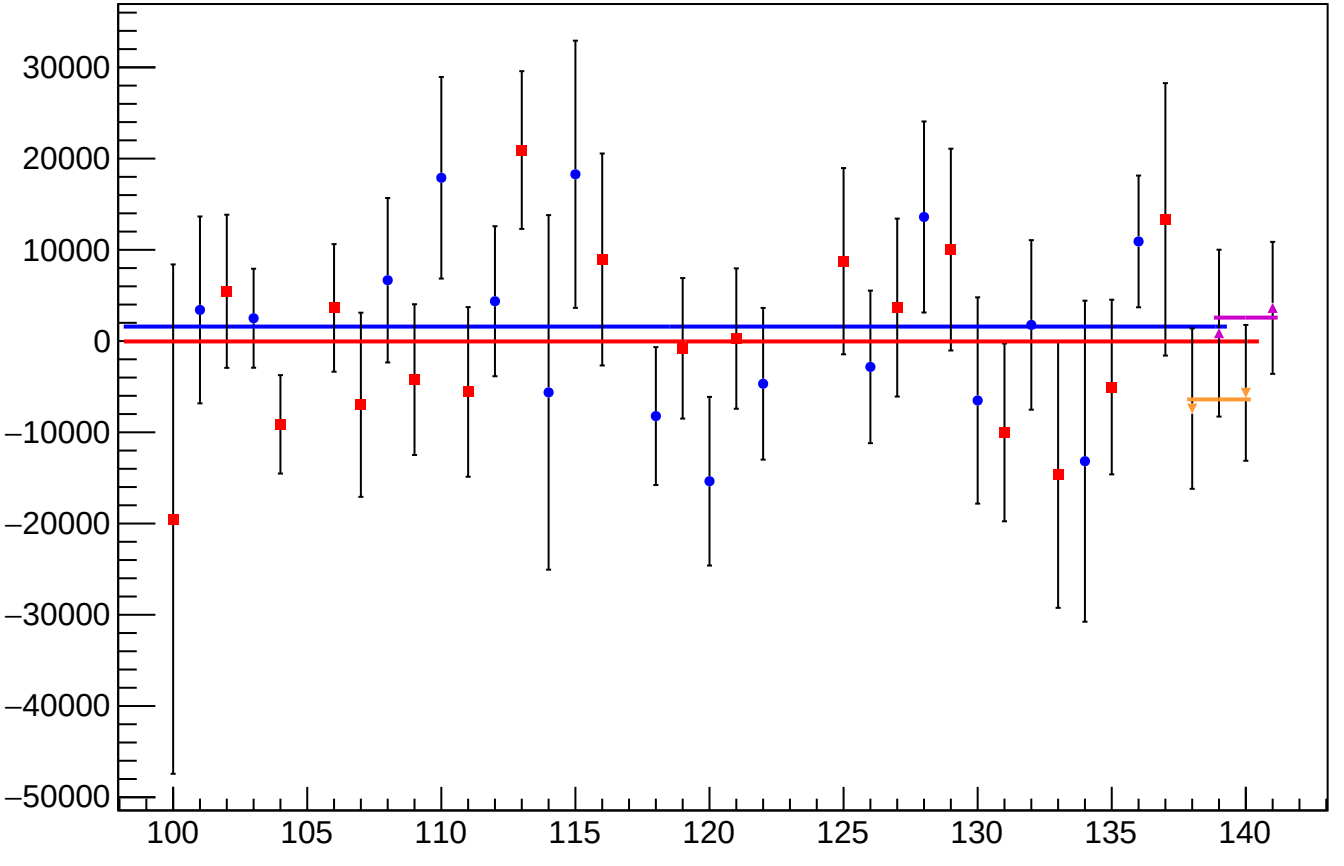
Left: 1784.541+/-0.689 χ^2/NDF: 2481.8/3

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1506.728+/-0.363 χ^2/NDF:672752.5/17

Out: 1484.754+/-0.360 χ^2/NDF:482335.5/19

All: 1495.653+/-0.256 χ^2/NDF: 1156934.3/37



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -6396.670+/-5682.020 χ^2/NDF:0.0/1

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 2571.690+/-5673.758 χ^2/NDF:0.1/1

Left: -1905.965+/-4014.871 χ^2/NDF: 1.3/3

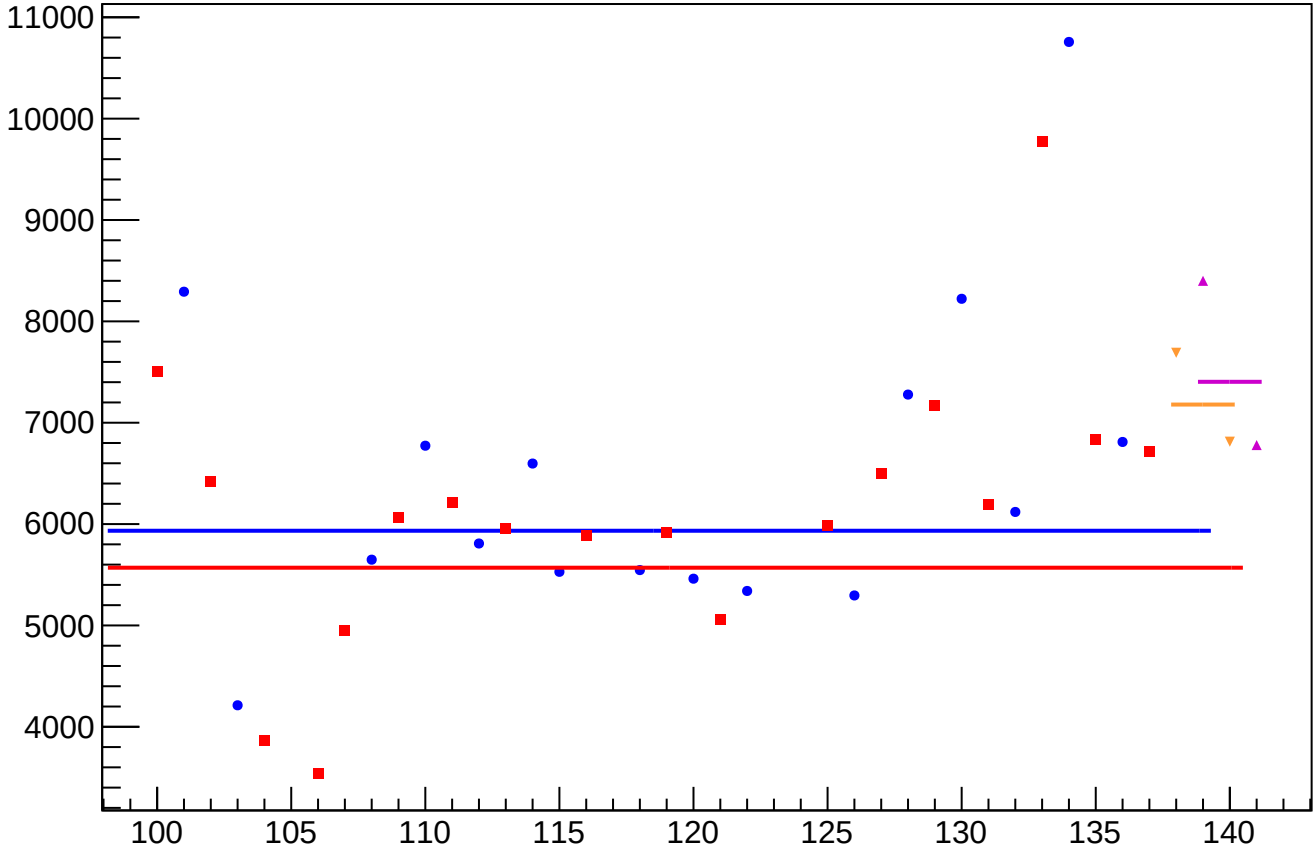
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 1723.706+/-2102.982 χ^2/NDF:14.3/17

Out: -825.734+/-1996.963 χ^2/NDF:17.6/19

All: 383.105+/-1448.096 χ^2/NDF: 32.6/37

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7179.242+/-4.018 χ^2/NDF:11596.6/1

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7403.610+/-4.012 χ^2/NDF:38623.4/1

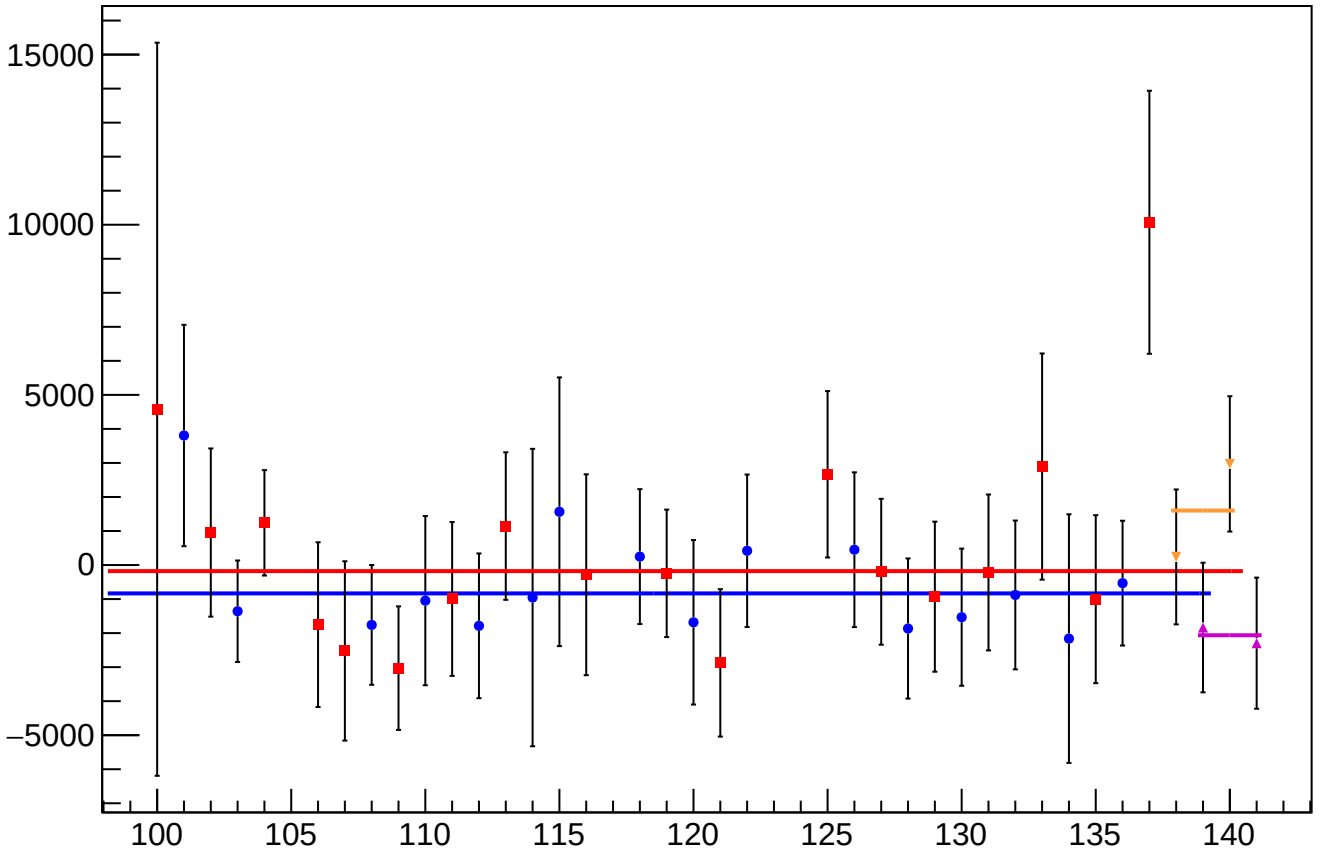
Left: 7291.589+/-2.839 χ^2/NDF: 51781.5/3

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6136.078+/-1.487 χ^2/NDF:807420.8/17

Out: 5768.427+/-1.412 χ^2/NDF:876322.1/19

All: 5942.752+/-1.024 χ^2/NDF: 1715885.8/37



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1601.323+/-1403.711 χ^2/NDF:0.9/1

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -2063.243+/-1354.289 χ^2/NDF:0.0/1

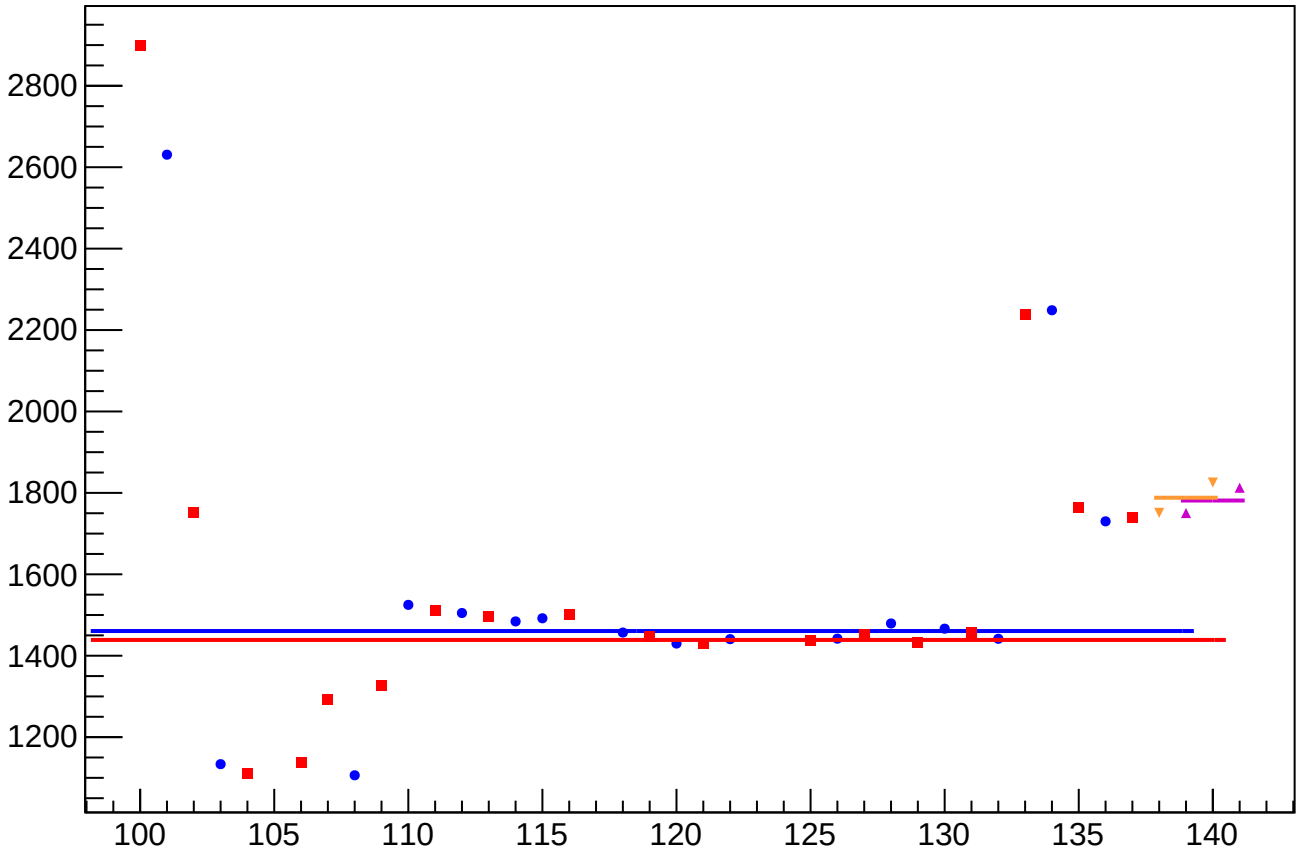
Left: -296.605+/-974.631 χ^2/NDF: 4.5/3

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1010.275+/-513.417 χ^2/NDF:5.3/17

Out: 57.071+/-510.336 χ^2/NDF:18.8/19

All: -473.390+/-361.946 χ^2/NDF: 26.3/37



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1788.091+/-0.993 χ^2/NDF:1404.2/1

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1781.237+/-0.958 χ^2/NDF:1052.9/1

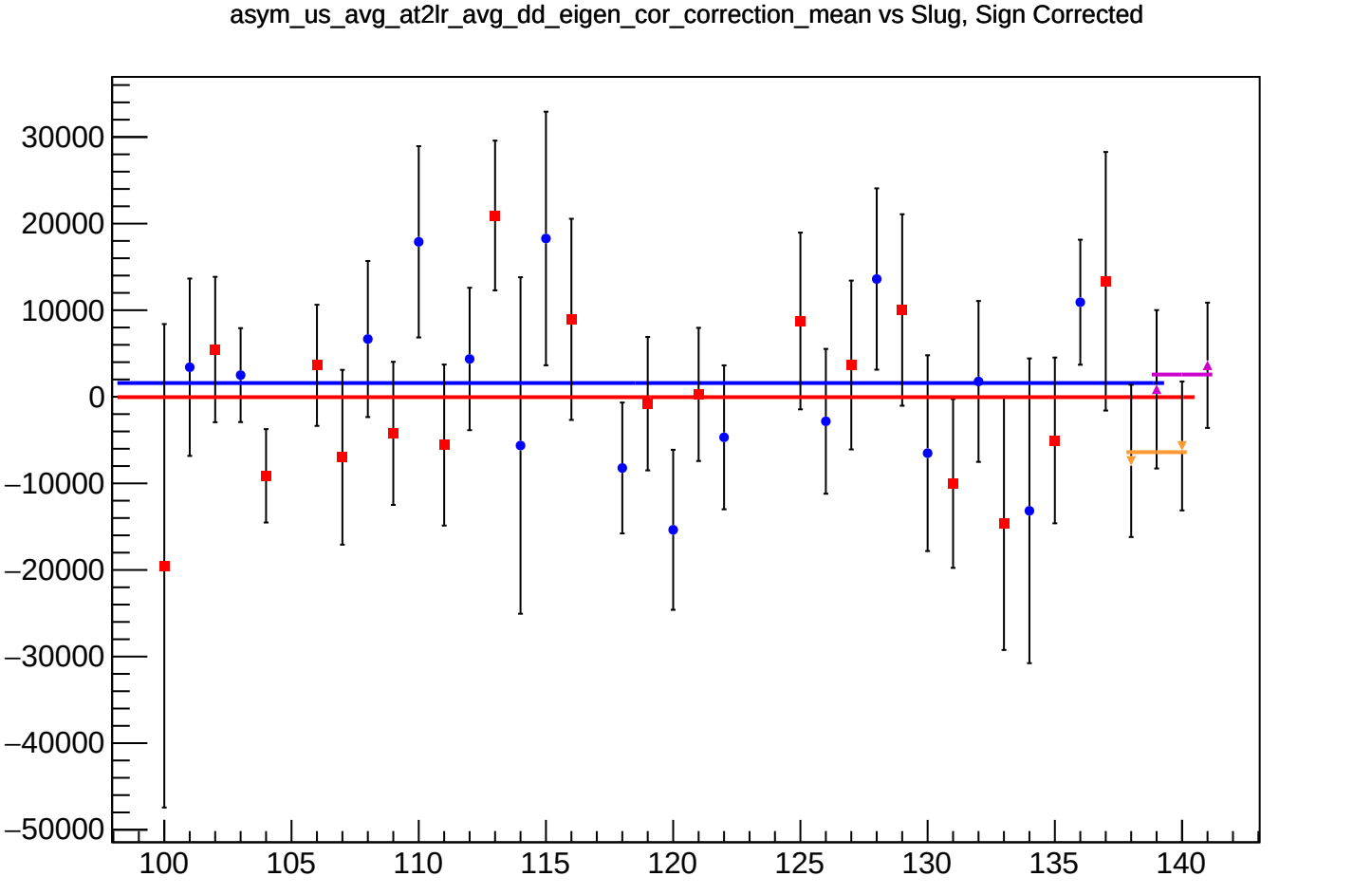
Left: 1784.541+/-0.689 χ^2/NDF: 2481.8/3

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

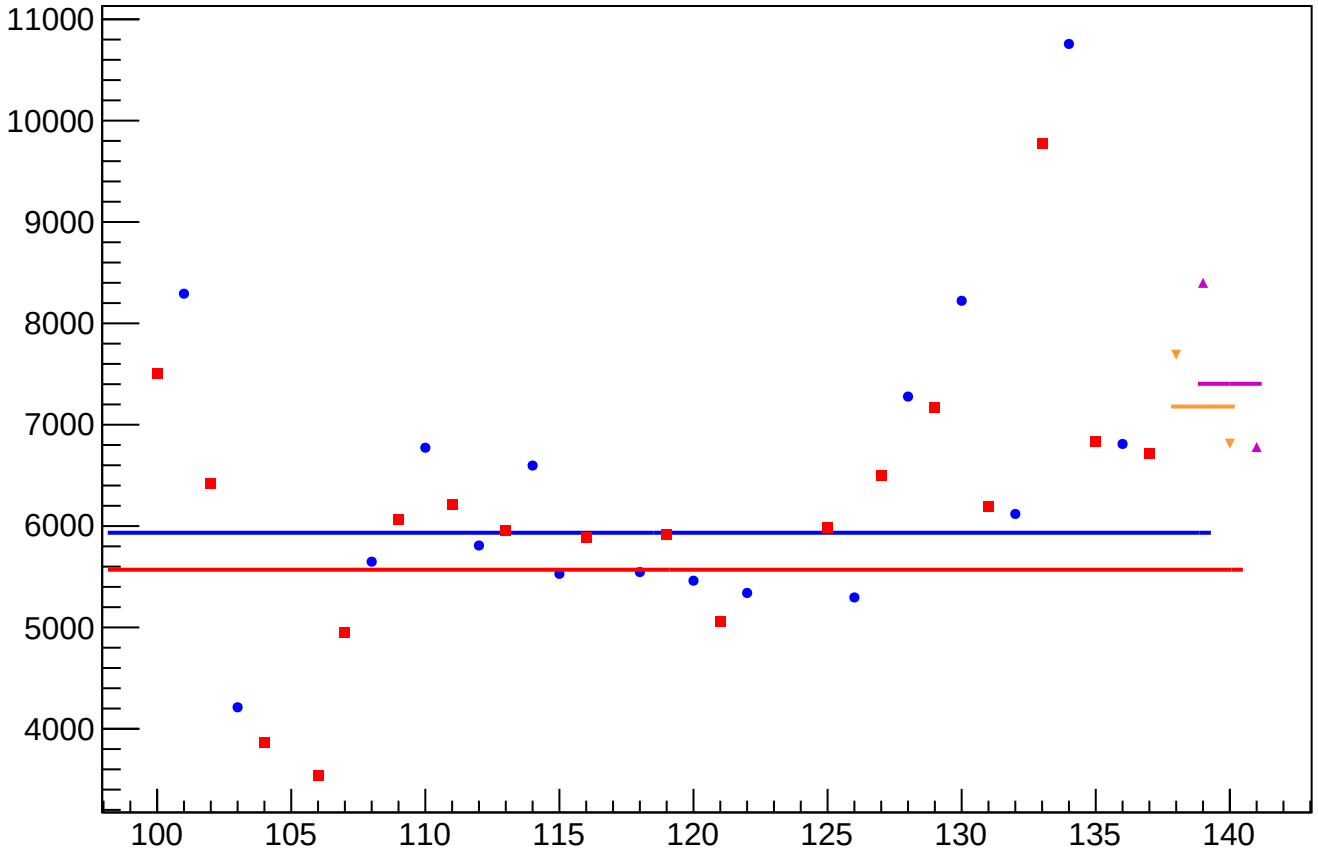
In: 1506.728+/-0.363 χ^2/NDF:672752.5/17

Out: 1484.754+/-0.360 χ^2/NDF:482335.5/19

All: 1495.653+/-0.256 χ^2/NDF: 1156934.3/37


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -6396.670+/-5682.020 χ²/NDF:0.0/1
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: 2571.690+/-5673.758 χ²/NDF:0.1/1
Left: -1905.965+/-4014.871 χ²/NDF: 1.3/3
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 1723.706+/-2102.982 χ²/NDF:14.3/17
Out: -825.734+/-1996.963 χ²/NDF:17.6/19
All: 383.105+/-1448.096 χ²/NDF: 32.6/37

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7179.242+/-4.018 χ^2/NDF:11596.6/1

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7403.610+/-4.012 χ^2/NDF:38623.4/1

Left: 7291.589+/-2.839 χ^2/NDF: 51781.5/3

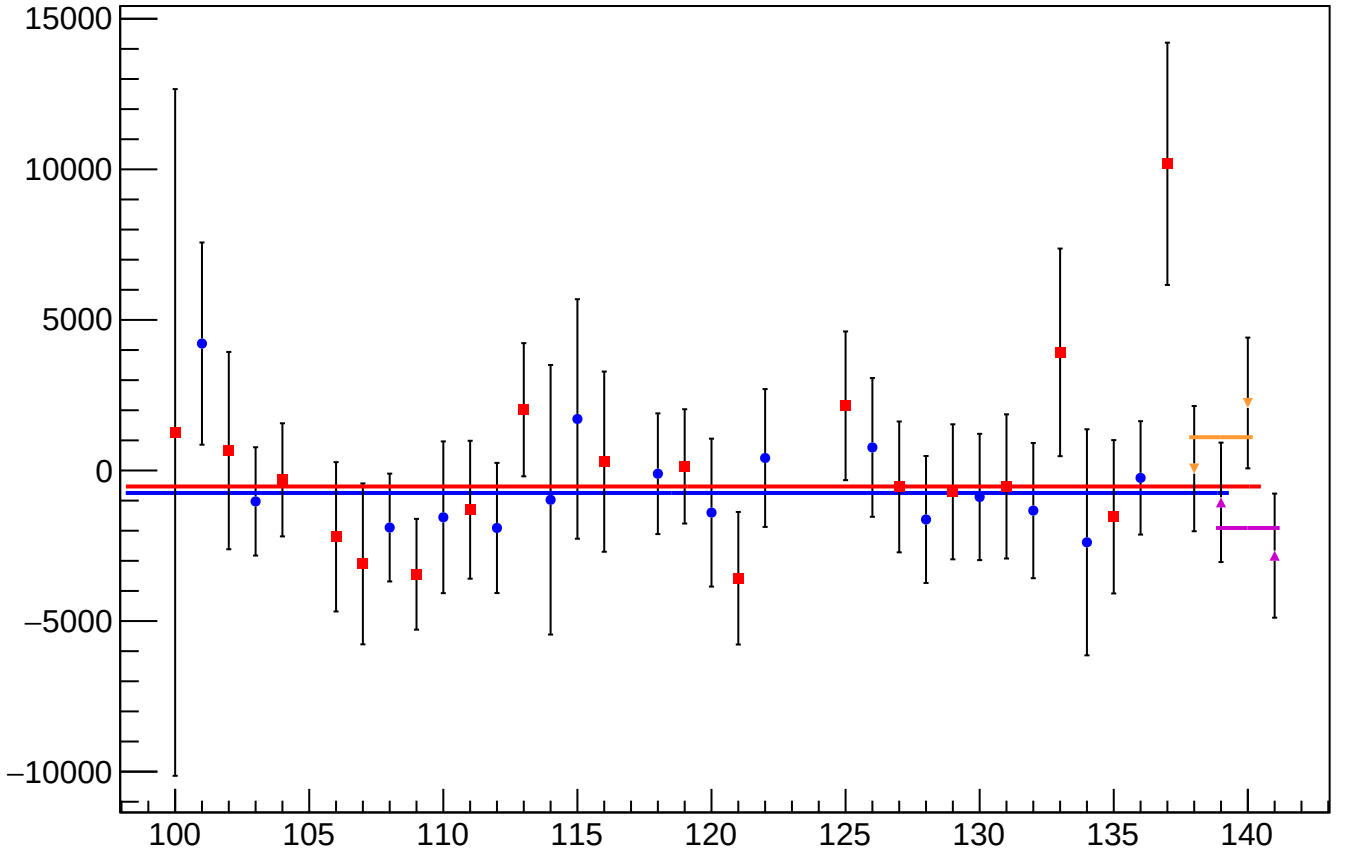
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6136.078+/-1.487 χ^2/NDF:807420.8/17

Out: 5768.427+/-1.412 χ^2/NDF:876322.1/19

All: 5942.752+/-1.024 χ^2/NDF: 1715885.8/37

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1105.193+/-1501.976 χ^2/NDF:0.5/1

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1909.047+/-1428.797 χ^2/NDF:0.4/1

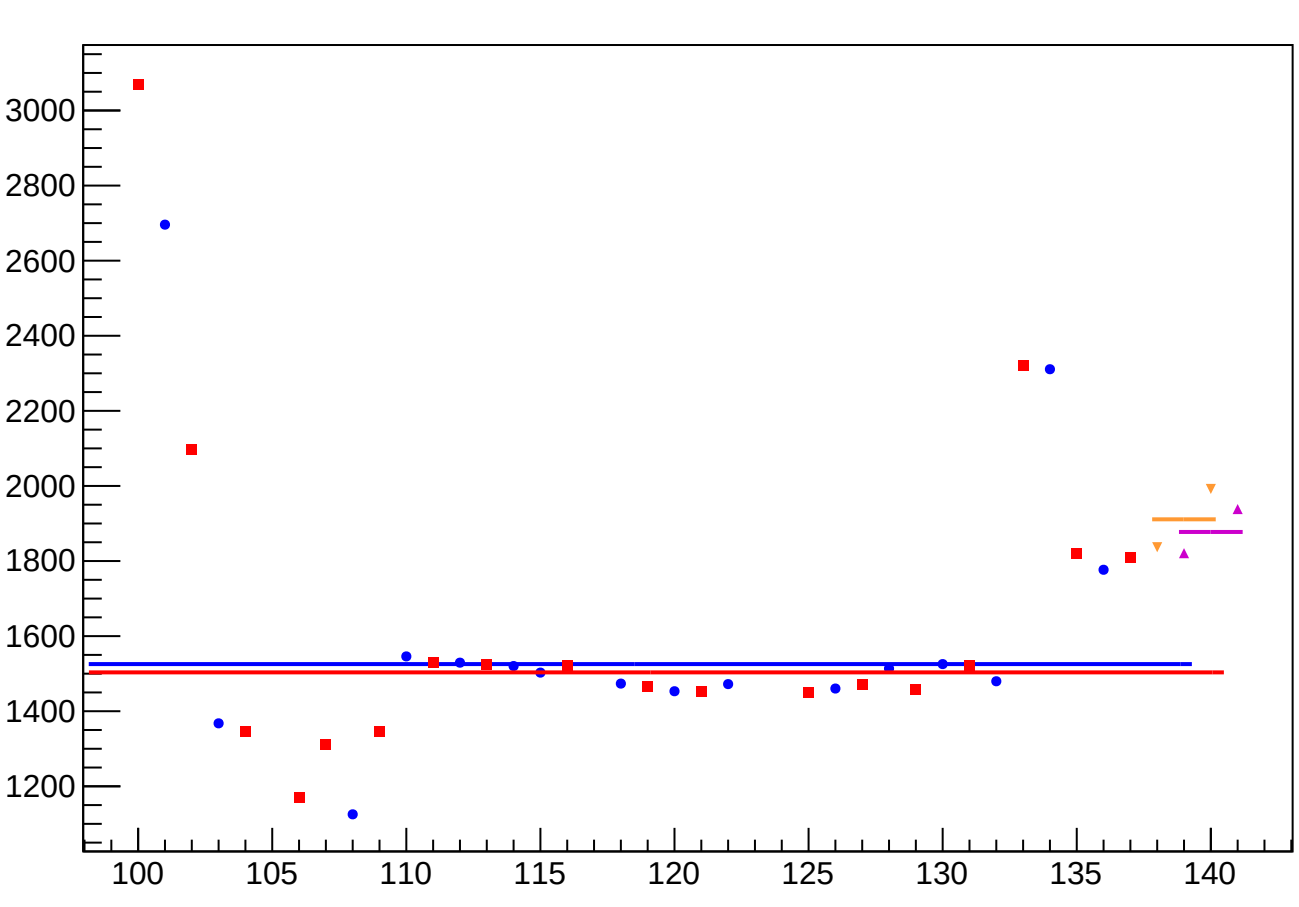
Left: -477.144+/-1035.216 χ^2/NDF: 3.0/3

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -909.525+/-535.874 χ^2/NDF:5.7/17

Out: -322.037+/-537.088 χ^2/NDF:19.3/19

All: -616.446+/-379.349 χ^2/NDF: 25.6/37



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1911.076+/-1.062 χ^2/NDF:5330.8/1

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1877.432+/-1.010 χ^2/NDF:3378.3/1

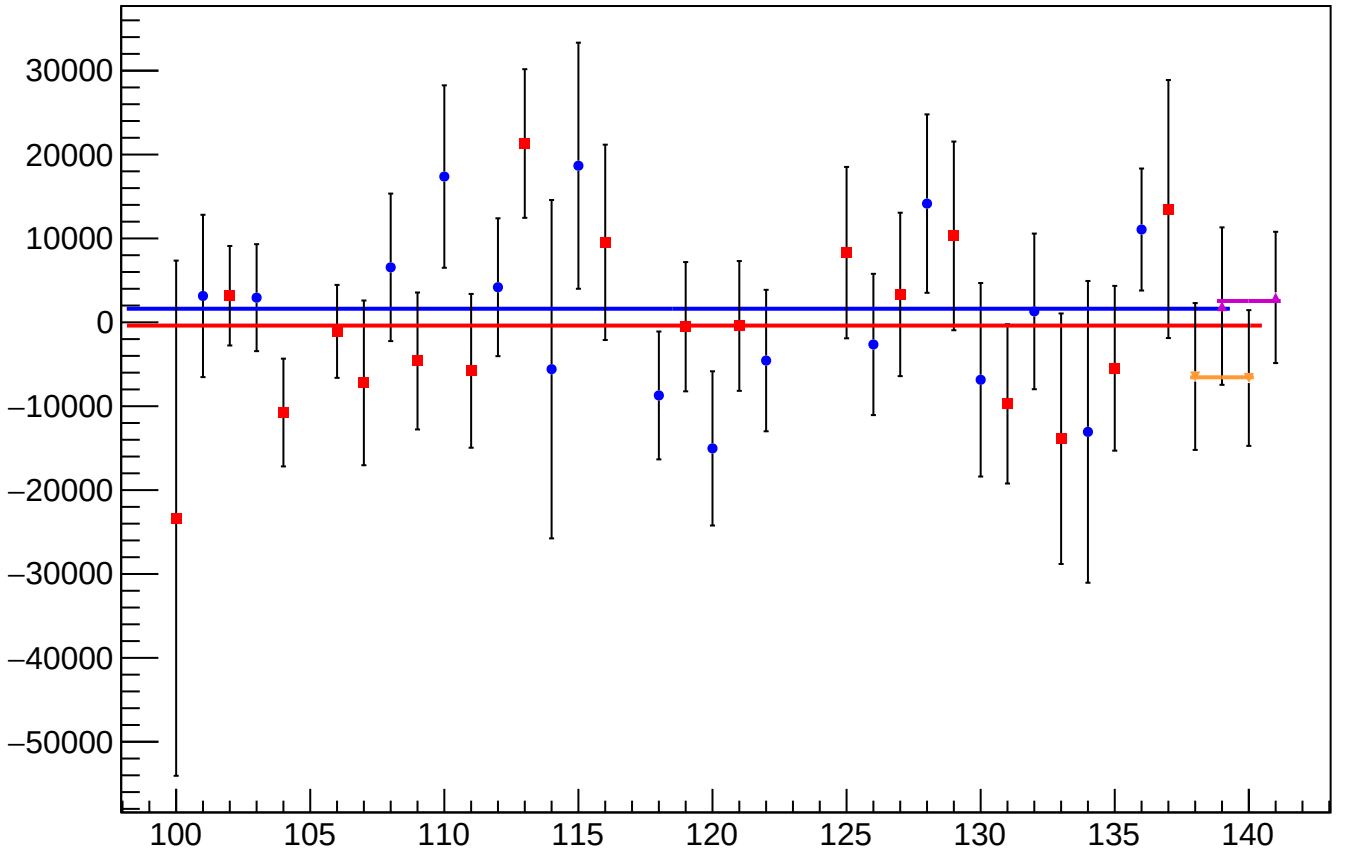
Left: 1893.415+/-0.732 χ^2/NDF: 9235.9/3

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1575.035+/-0.379 χ^2/NDF:595957.8/17

Out: 1555.533+/-0.380 χ^2/NDF:472329.8/19

All: 1565.303+/-0.268 χ^2/NDF: 1069609.5/37



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -6554.041+/-5942.134 χ^2/NDF:0.0/1

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 2544.088+/-6010.067 χ^2/NDF:0.0/1

Left: -2056.686+/-4225.536 χ^2/NDF: 1.2/3

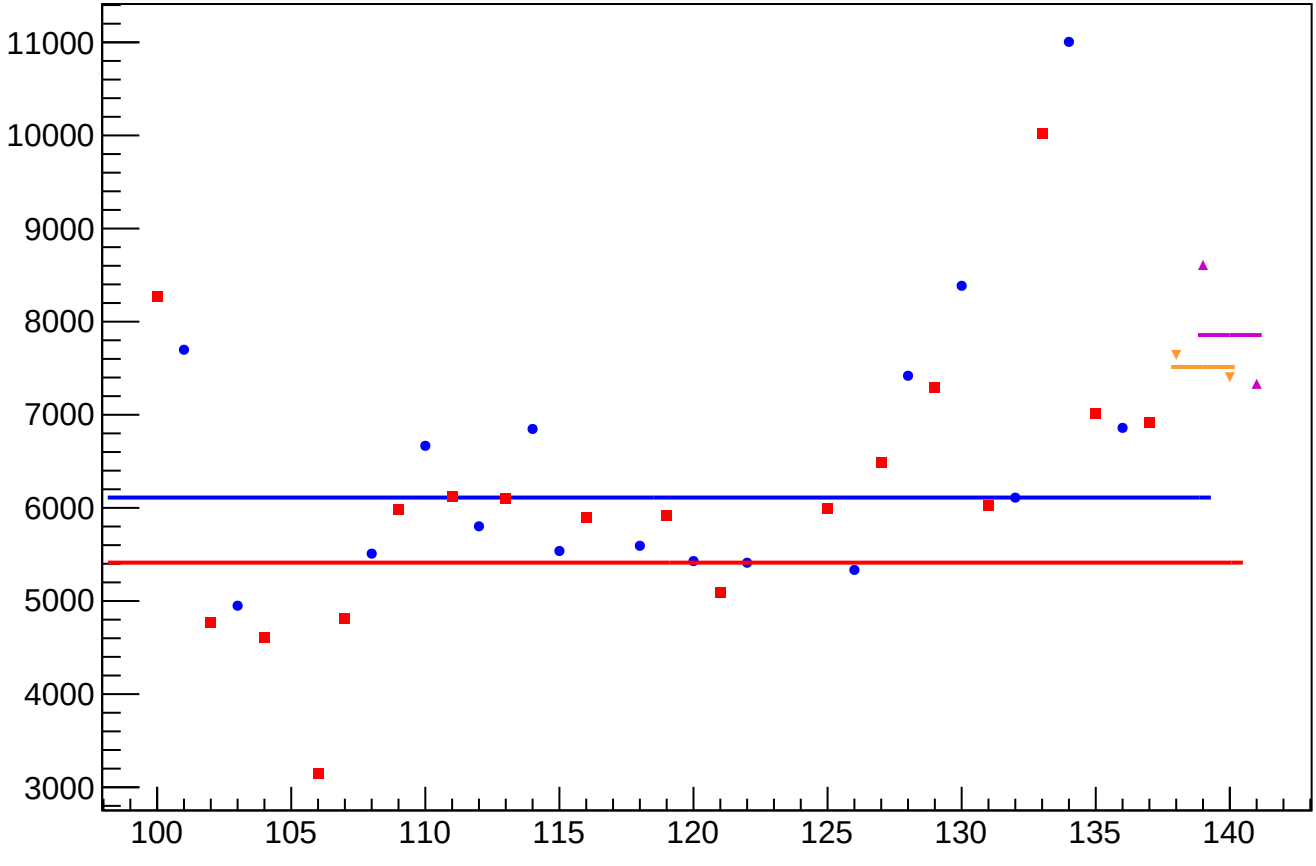
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 1739.894+/-2164.368 χ^2/NDF:14.3/17

Out: -1048.216+/-1947.088 χ^2/NDF:17.0/19

All: 198.905+/-1447.540 χ^2/NDF: 32.2/37

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7512.884+/-4.202 χ^2/NDF:804.2/1

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7856.054+/-4.250 χ^2/NDF:21792.4/1

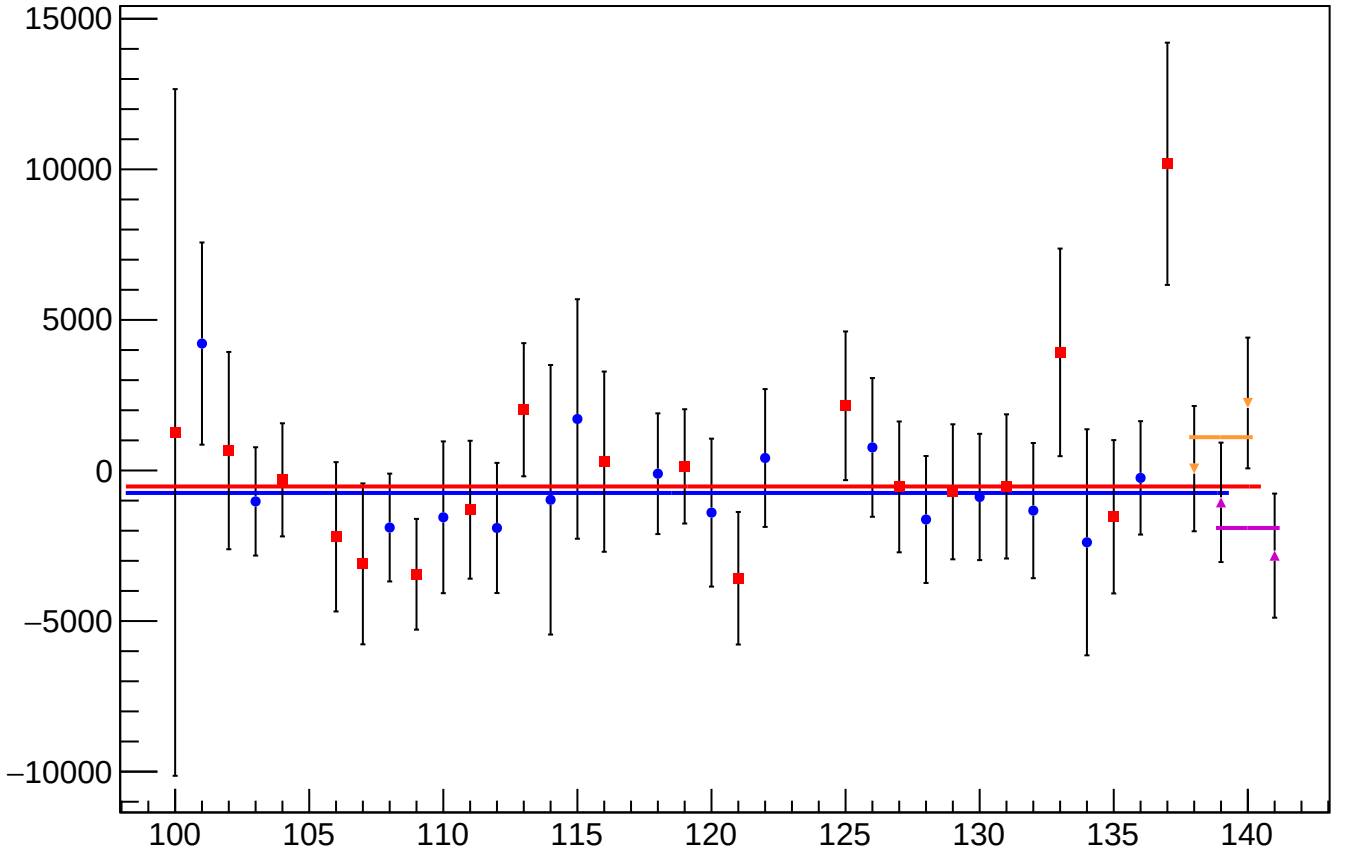
Left: 7682.519+/-2.988 χ^2/NDF: 25894.0/3

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6337.347+/-1.530 χ^2/NDF:640192.8/17

Out: 5637.820+/-1.377 χ^2/NDF:1045437.8/19

All: 5950.718+/-1.024 χ^2/NDF: 1801099.7/37



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1105.190+/-1501.977 χ^2/NDF:0.5/1

Right Out: -531.302+/-575.115 χ^2/NDF: 17.7/17

Left In: -1909.027+/-1428.798 χ^2/NDF:0.4/1

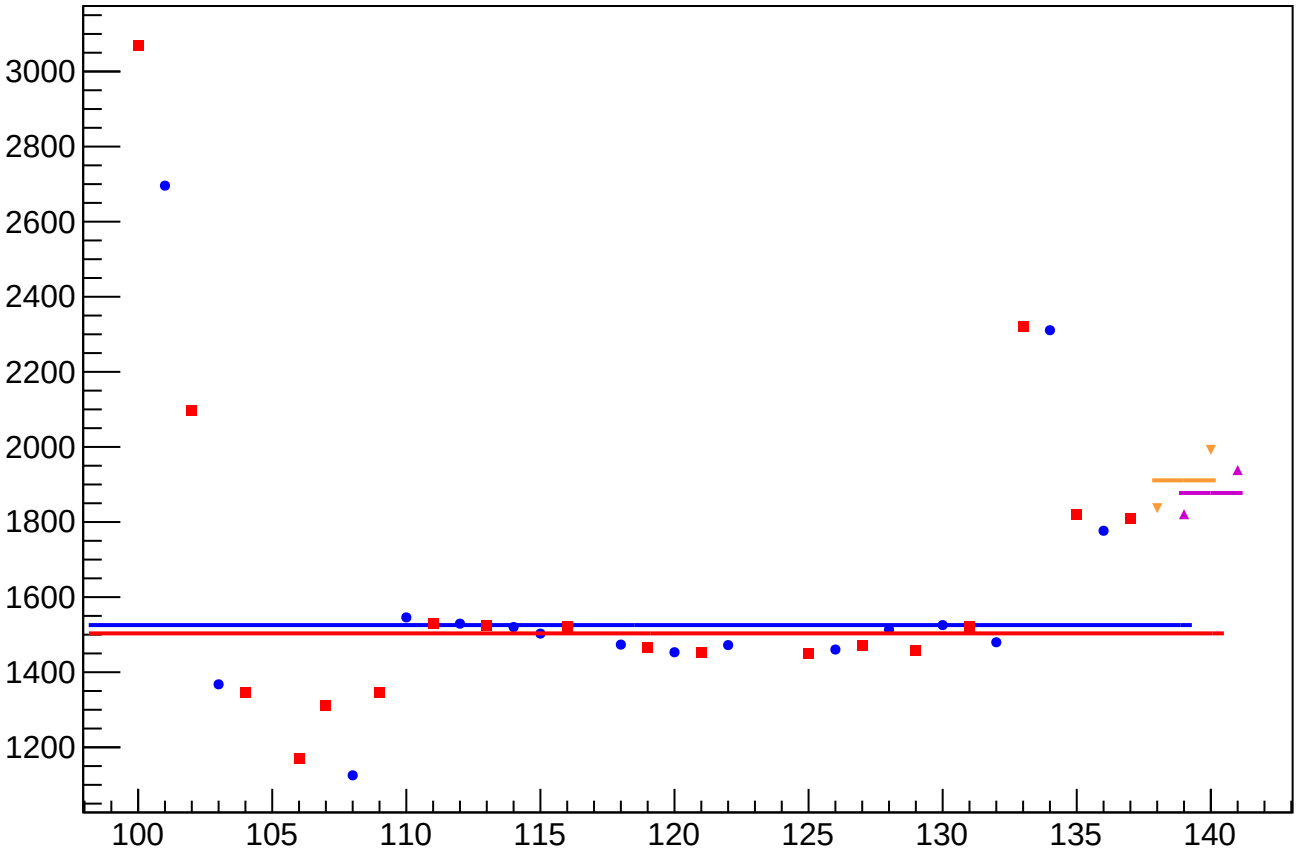
Left: -477.133+/-1035.217 χ^2/NDF: 3.0/3

Right: -638.060+/-407.709 χ^2/NDF: 22.6/33

In: -909.526+/-535.874 χ^2/NDF:5.7/17

Out: -322.046+/-537.088 χ^2/NDF:19.3/19

All: -616.451+/-379.349 χ^2/NDF: 25.6/37



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1911.077+/-1.062 χ^2/NDF:5330.8/1

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1877.434+/-1.010 χ^2/NDF:3378.1/1

Left: 1893.416+/-0.732 χ^2/NDF: 9235.7/3

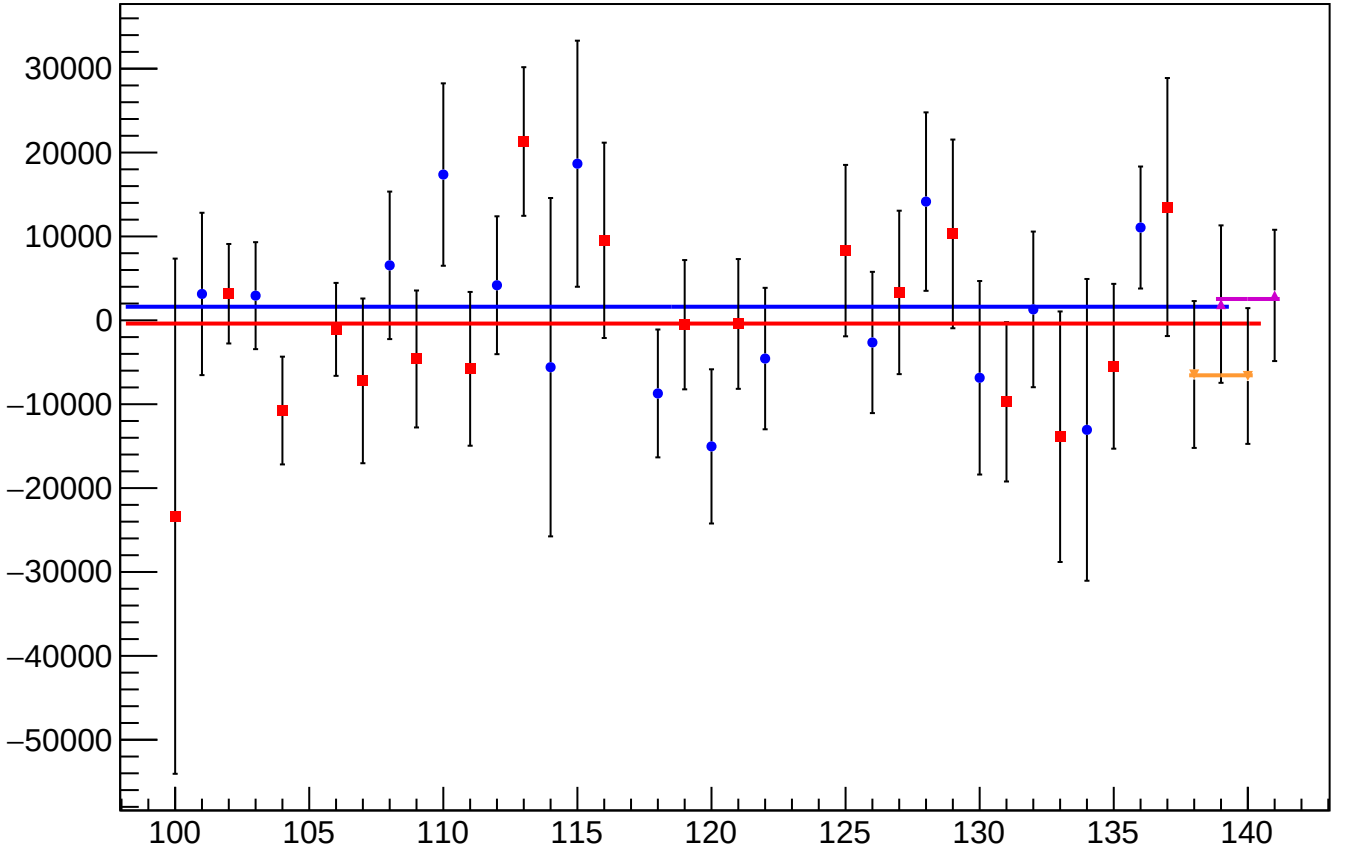
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1575.035+/-0.379 χ^2/NDF:595958.2/17

Out: 1555.533+/-0.380 χ^2/NDF:472330.6/19

All: 1565.304+/-0.268 χ^2/NDF: 1069610.6/37

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -6554.041+/-5942.142 χ^2/NDF:0.0/1

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 2544.108+/-6010.075 χ^2/NDF:0.0/1

Left: -2056.676+/-4225.542 χ^2/NDF: 1.2/3

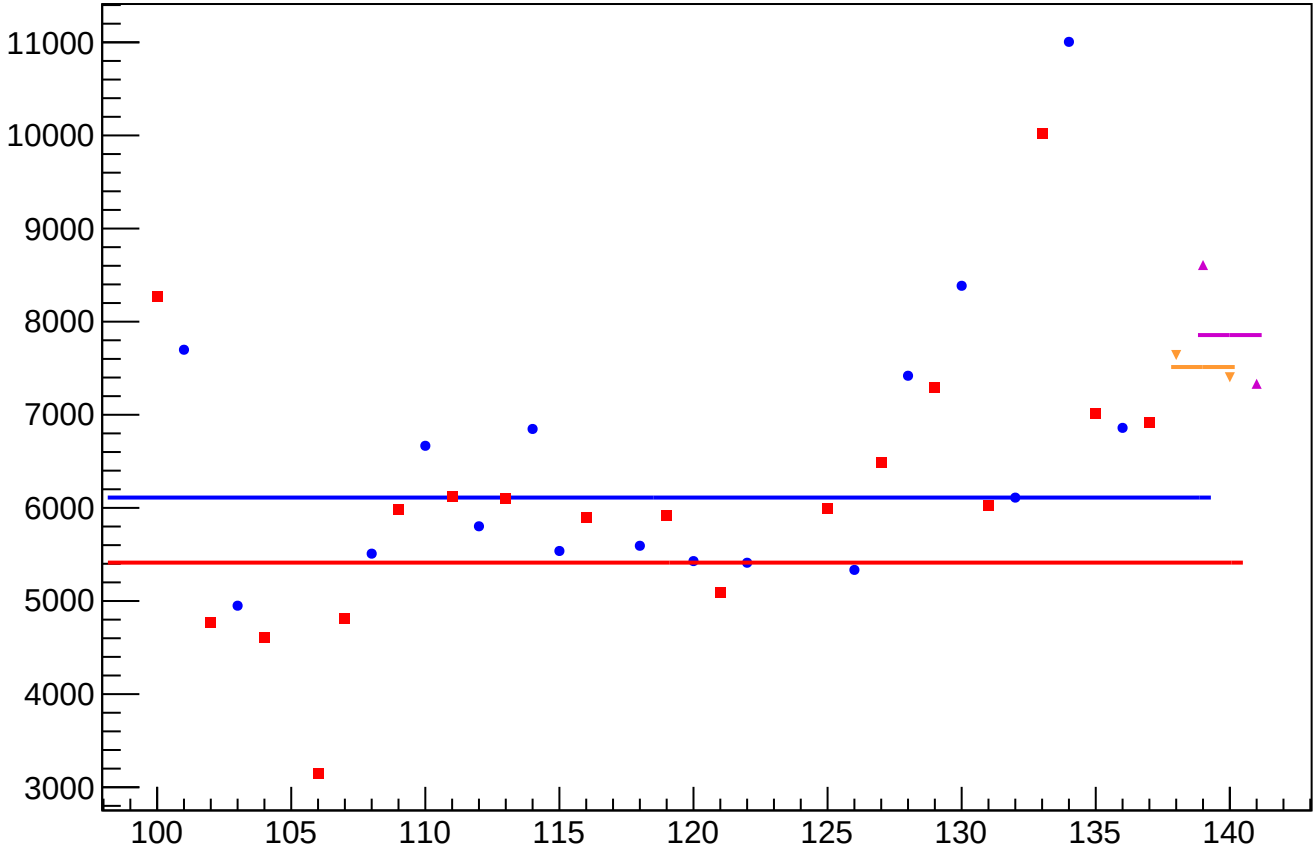
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 1739.879+/-2164.365 χ^2/NDF:14.3/17

Out: -1048.217+/-1947.085 χ^2/NDF:17.0/19

All: 198.897+/-1447.537 χ^2/NDF: 32.2/37

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7512.894+/-4.202 χ^2/NDF:804.3/1

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7856.065+/-4.250 χ^2/NDF:21793.0/1

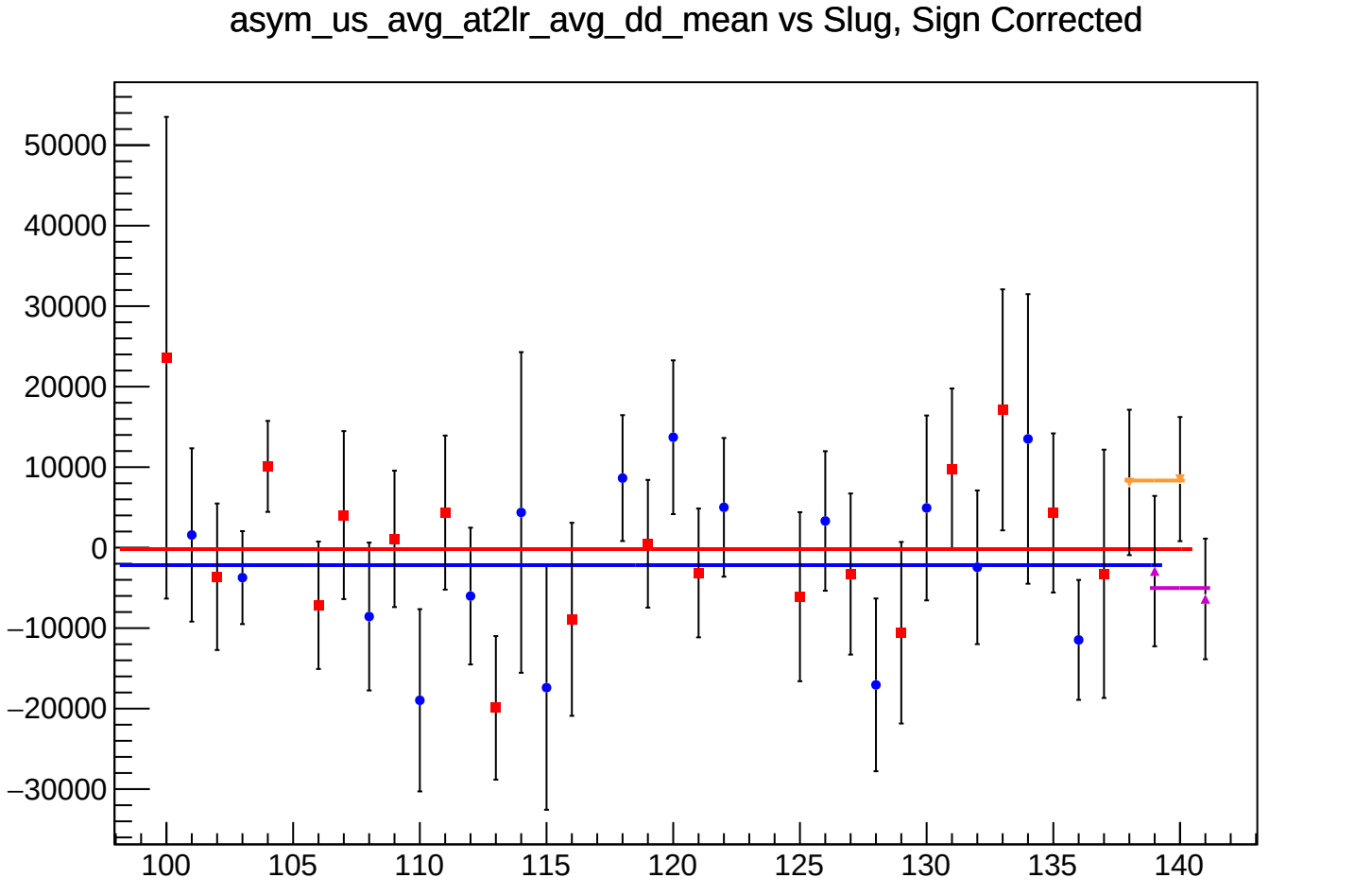
Left: 7682.529+/-2.988 χ^2/NDF: 25894.7/3

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6337.335+/-1.530 χ^2/NDF:640199.3/17

Out: 5637.810+/-1.377 χ^2/NDF:1045442.3/19

All: 5950.707+/-1.024 χ^2/NDF: 1801110.7/37



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 8340.987+/-5864.767 χ^2/NDF:0.0/1

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: -5021.311+/-5845.821 χ^2/NDF:0.1/1

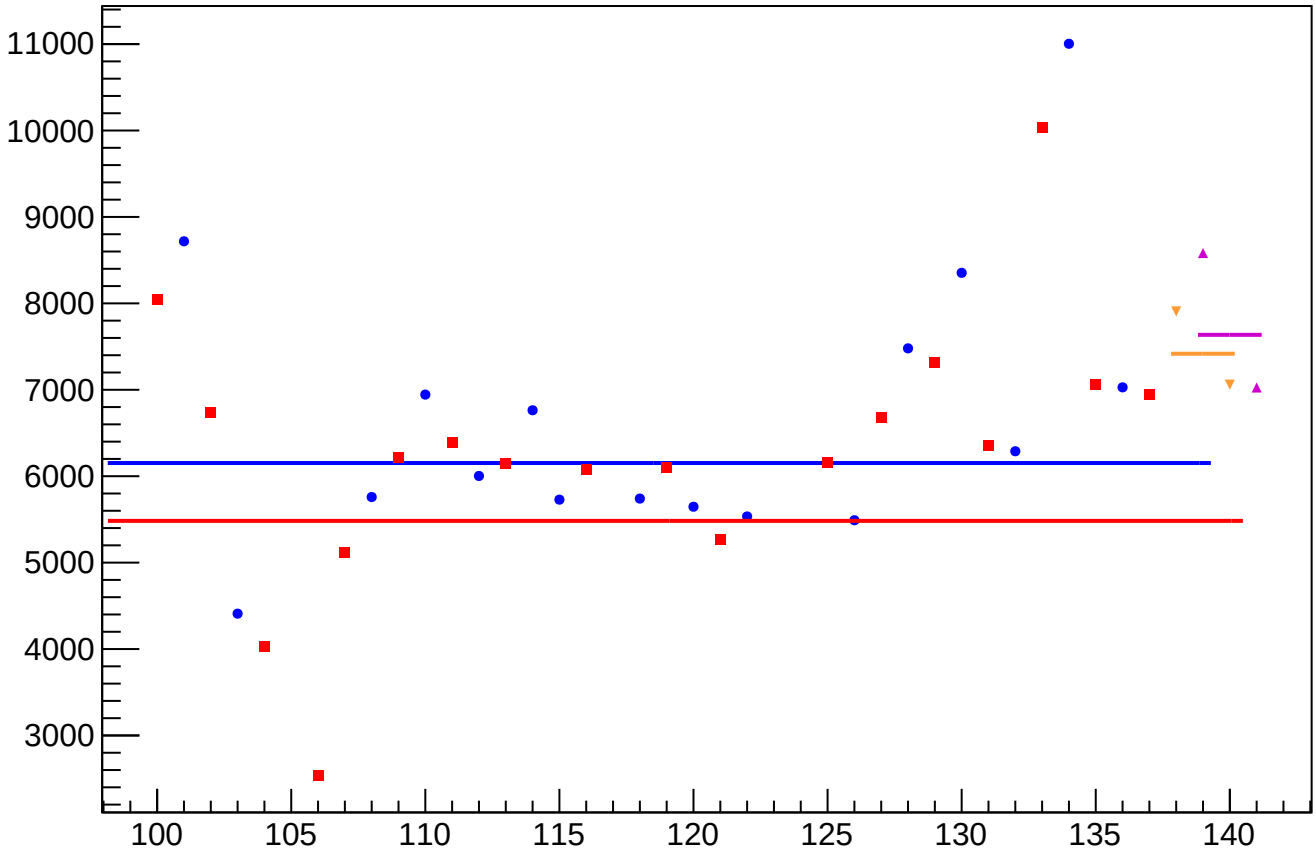
Left: 1638.220+/-4140.302 χ^2/NDF: 2.7/3

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -2569.479+/-2178.549 χ^2/NDF:14.9/17

Out: 892.295+/-2083.491 χ^2/NDF:16.5/19

All: -761.421+/-1505.735 χ^2/NDF: 32.7/37



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7417.098+/-4.147 χ^2/NDF:10189.0/1

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7635.837+/-4.134 χ^2/NDF:33764.3/1

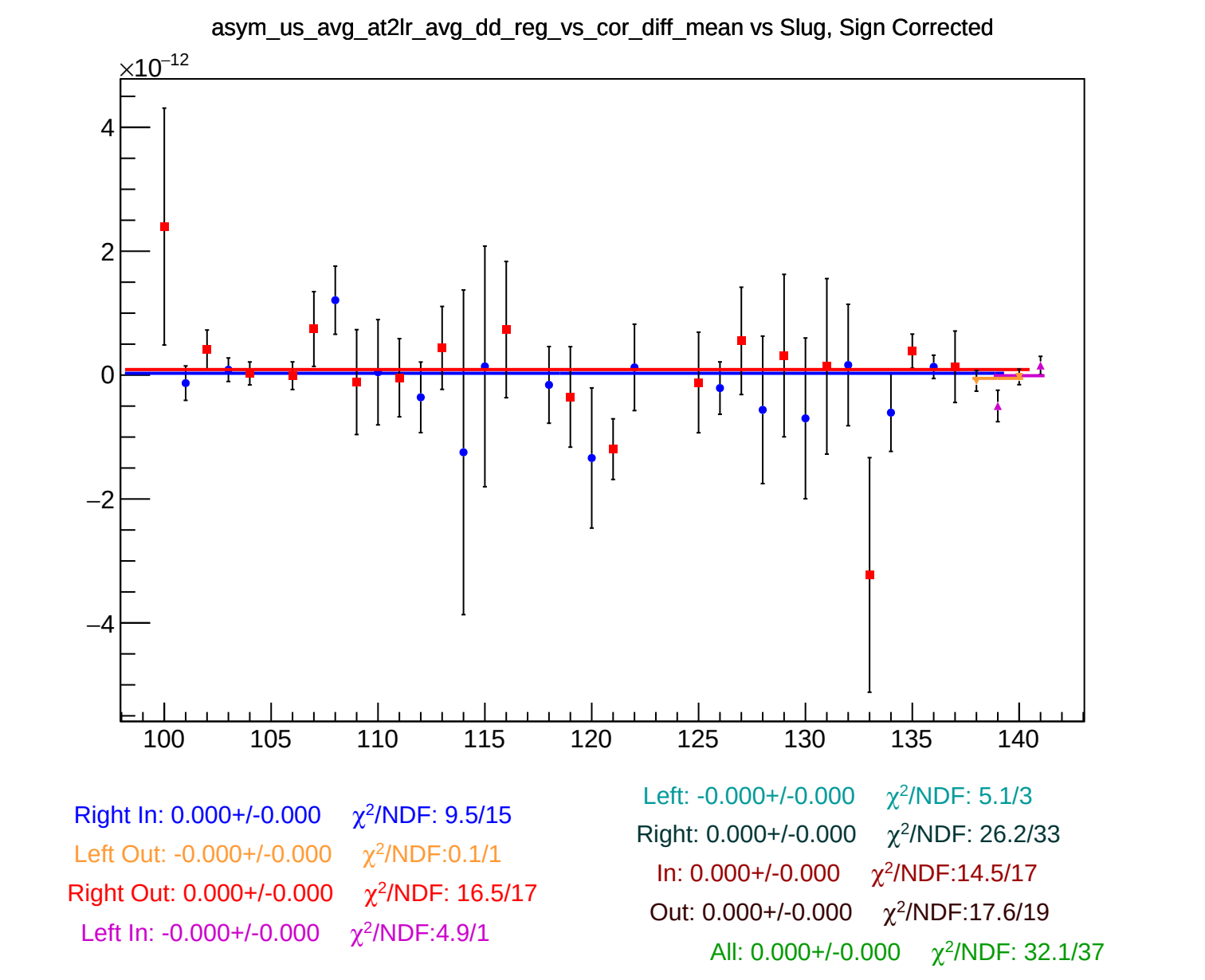
Left: 7526.821+/-2.928 χ^2/NDF: 45348.8/3

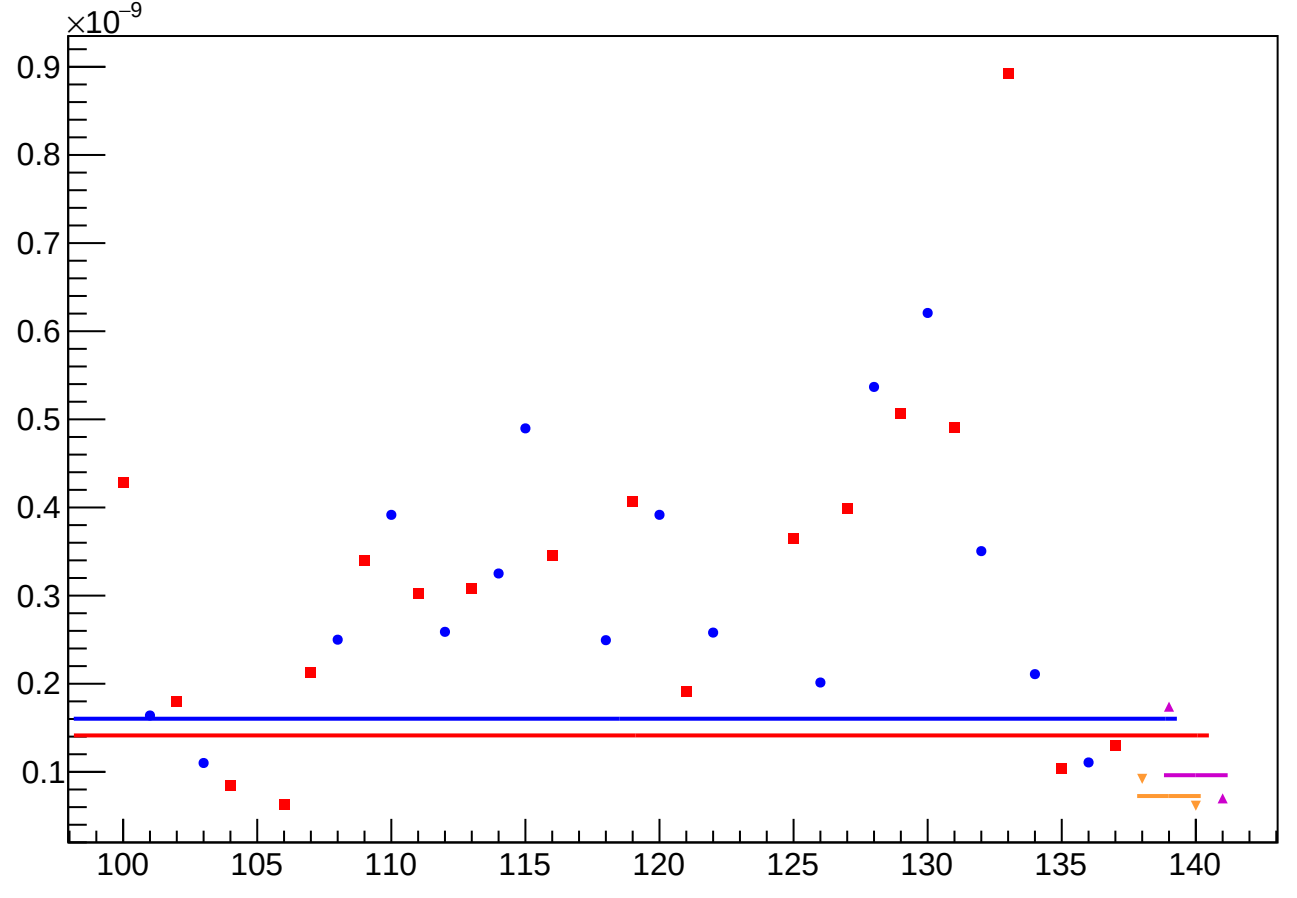
Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6358.669+/-1.540 χ^2/NDF:768650.0/17

Out: 5712.214+/-1.427 χ^2/NDF:1350603.5/19

All: 6010.695+/-1.047 χ^2/NDF: 2214048.5/37


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:0.1/1
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/17
Left In: -0.000+/-0.000 χ²/NDF:4.9/1
Left: -0.000+/-0.000 χ²/NDF: 5.1/3
Right: 0.000+/-0.000 χ²/NDF: 26.2/33
In: 0.000+/-0.000 χ²/NDF:14.5/17
Out: 0.000+/-0.000 χ²/NDF:17.6/19
All: 0.000+/-0.000 χ²/NDF: 32.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:43018.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:250898.5/1

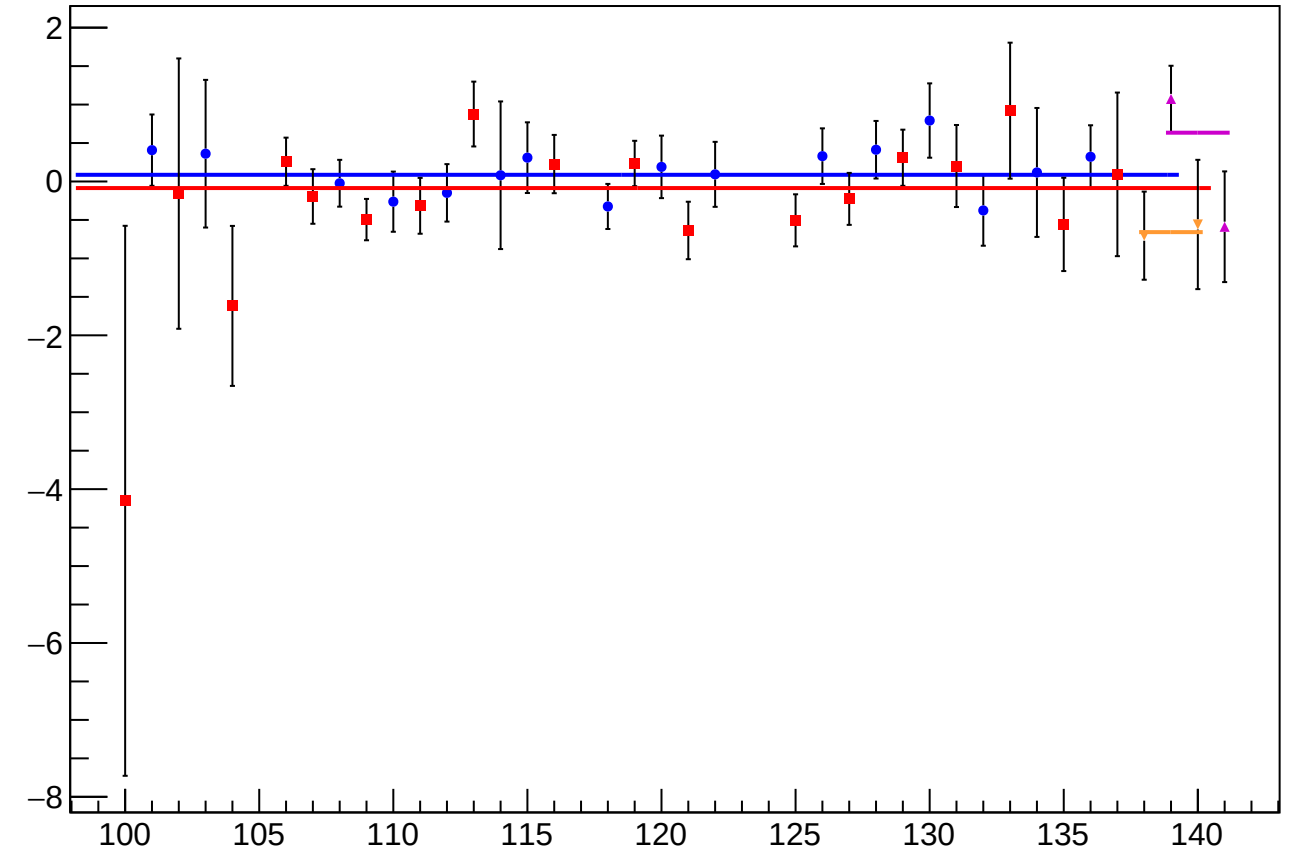
Left: 0.000+/-0.000 χ^2/NDF: 336462.7/3

Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:1884216.5/17

Out: 0.000+/-0.000 χ^2/NDF:2670834.4/19

All: 0.000+/-0.000 χ^2/NDF: 4698139.3/37



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.658+/-0.473 χ^2/NDF:0.0/1

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.634+/-0.370 χ^2/NDF:3.9/1

Left: 0.144+/-0.291 χ^2/NDF: 8.6/3

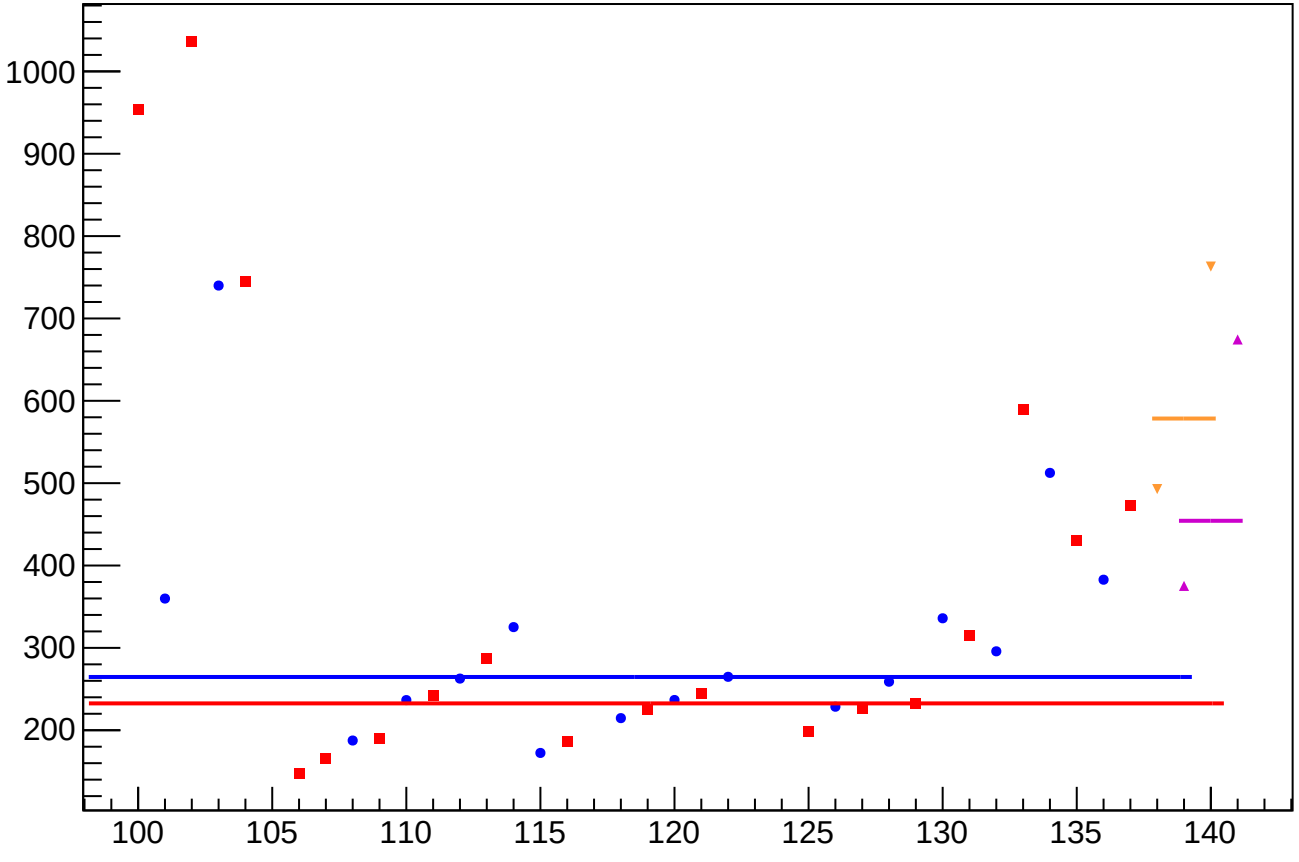
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.128+/-0.101 χ^2/NDF:14.8/17

Out: -0.109+/-0.095 χ^2/NDF:23.3/19

All: 0.003+/-0.069 χ^2/NDF: 40.9/37

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 578.482+/-0.335 χ^2/NDF:141104.9/1

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 454.317+/-0.262 χ^2/NDF:254373.8/1

Left: 501.406+/-0.206 χ^2/NDF: 480929.1/3

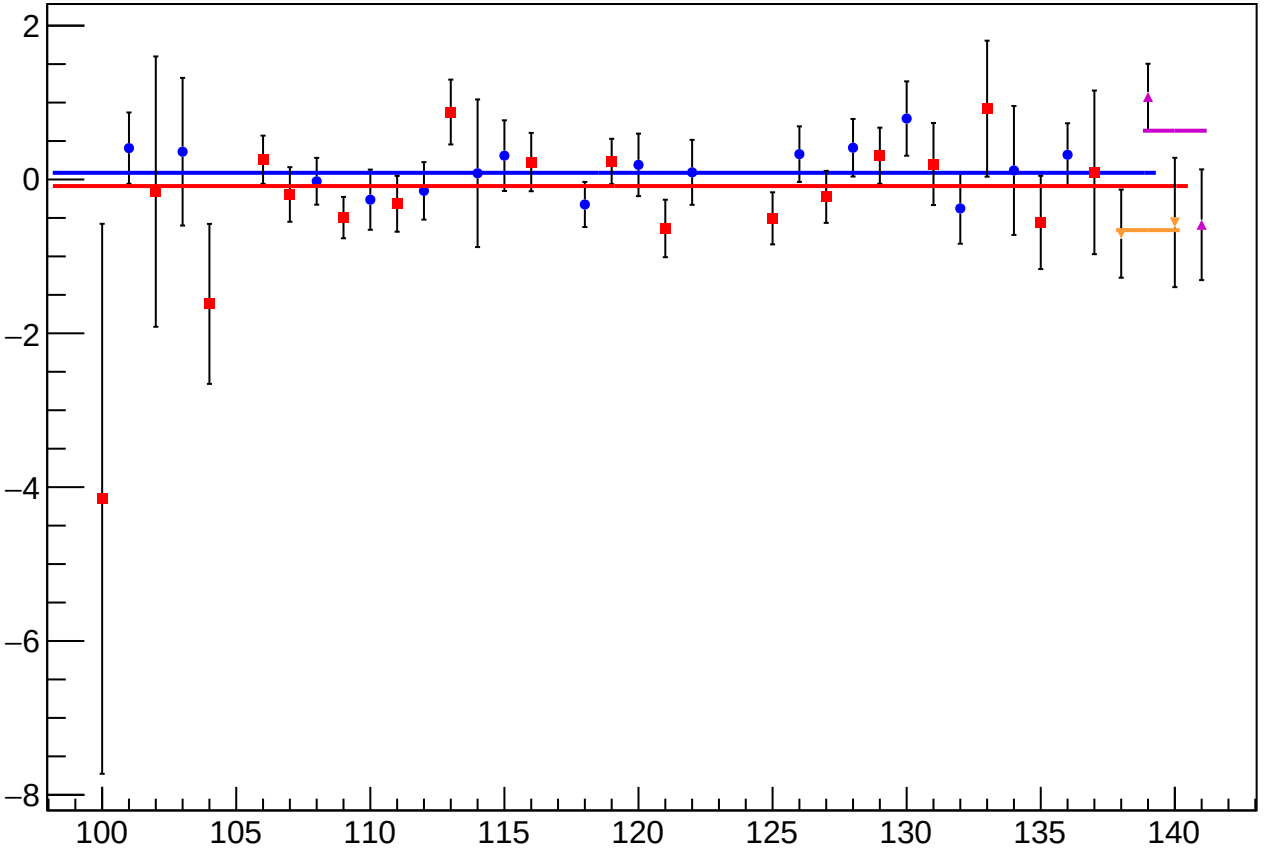
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 278.827+/-0.071 χ^2/NDF:2024793.7/17

Out: 246.632+/-0.067 χ^2/NDF:3198633.4/19

All: 261.790+/-0.049 χ^2/NDF: 5330797.1/37

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.658+/-0.473 χ^2/NDF:0.0/1

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.634+/-0.370 χ^2/NDF:3.9/1

Left: 0.144+/-0.291 χ^2/NDF: 8.6/3

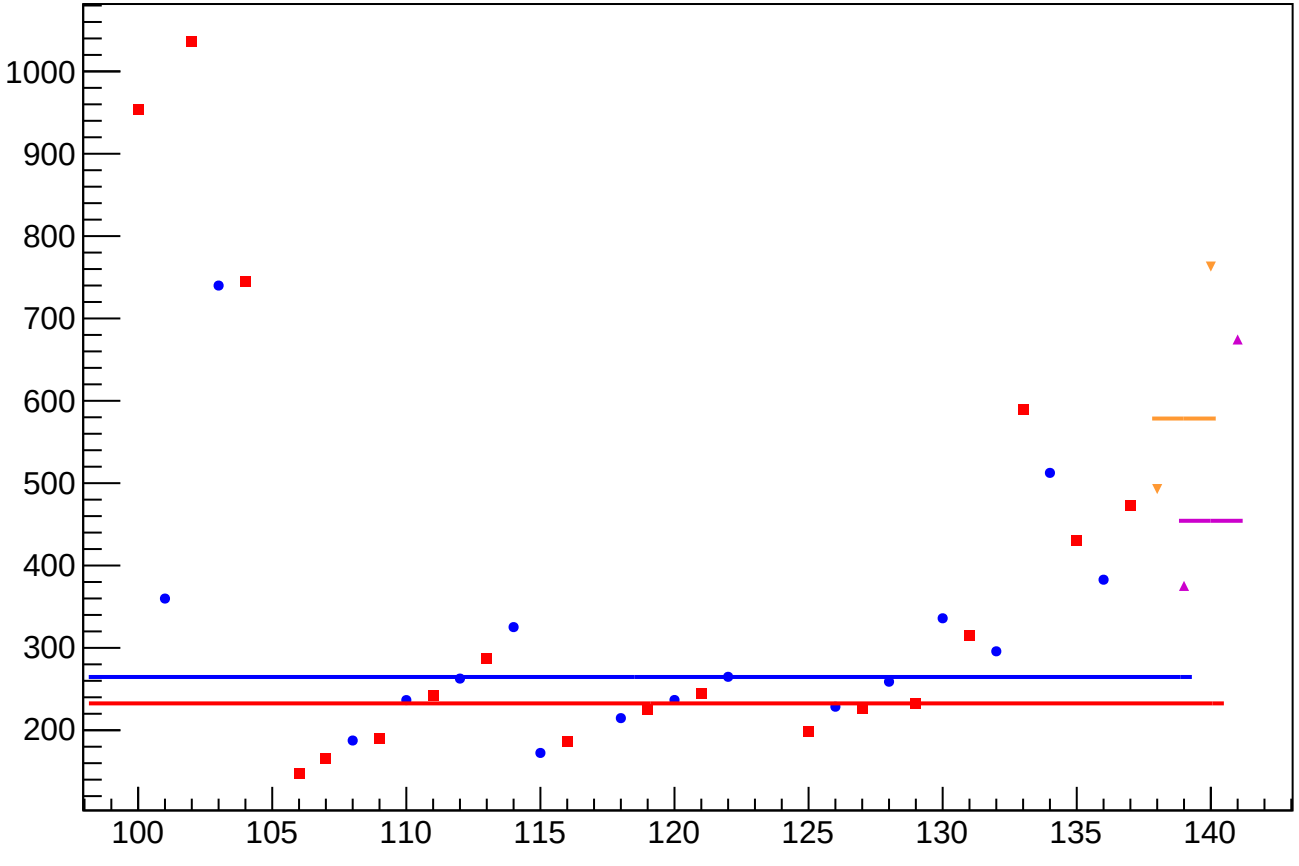
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.128+/-0.101 χ^2/NDF:14.8/17

Out: -0.109+/-0.095 χ^2/NDF:23.3/19

All: 0.003+/-0.069 χ^2/NDF: 40.9/37

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 578.482+/-0.335 χ^2/NDF:141104.9/1

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 454.317+/-0.262 χ^2/NDF:254373.8/1

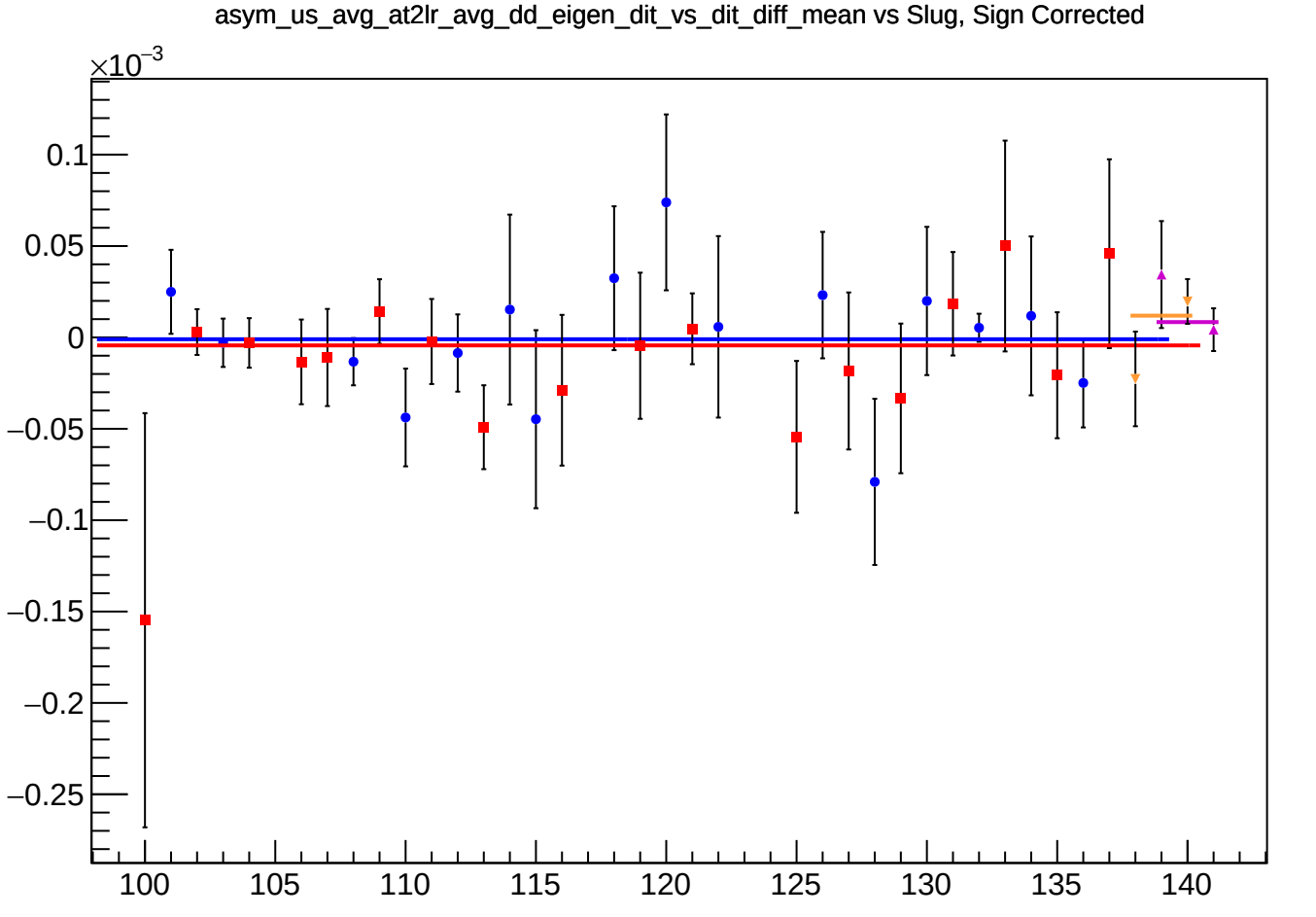
Left: 501.406+/-0.206 χ^2/NDF: 480929.1/3

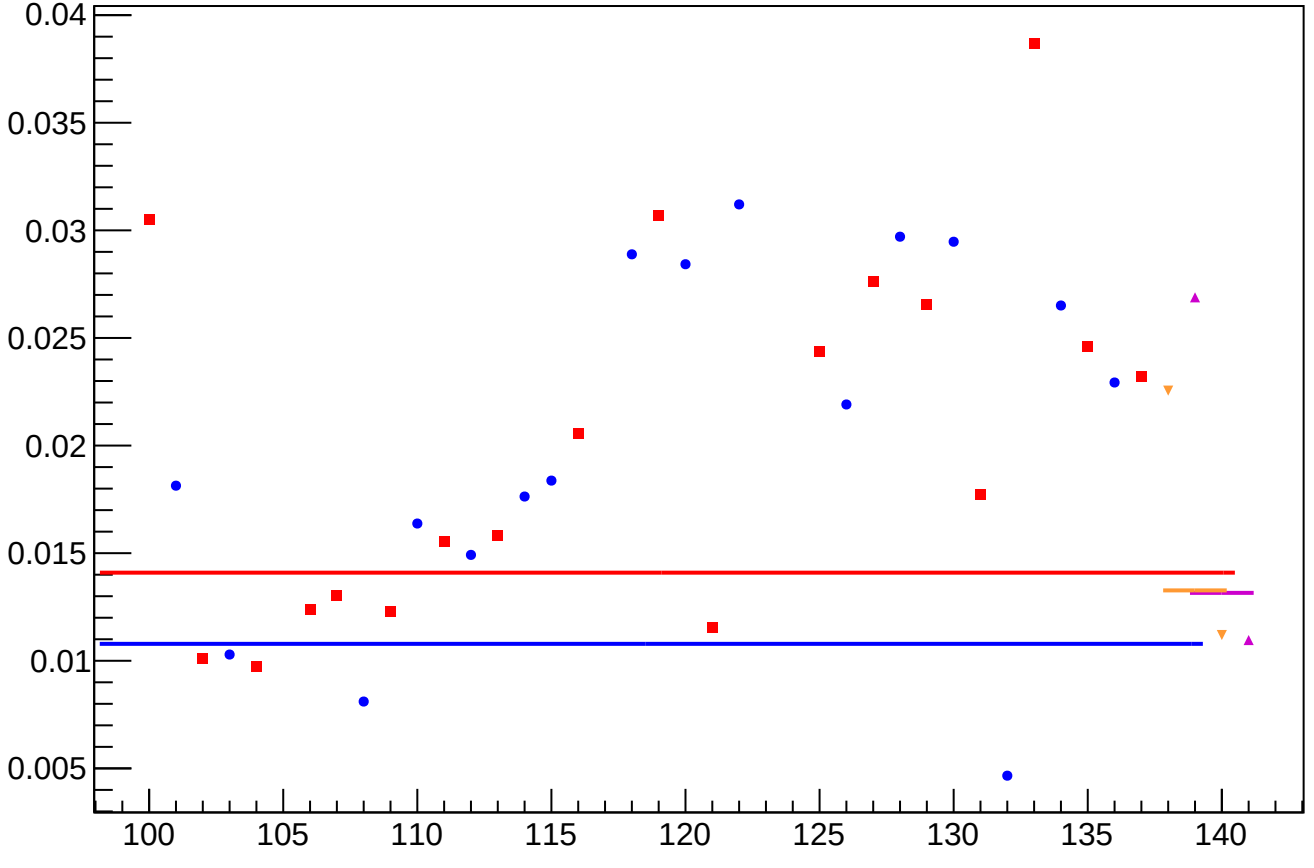
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 278.827+/-0.071 χ^2/NDF:2024793.7/17

Out: 246.632+/-0.067 χ^2/NDF:3198633.4/19

All: 261.790+/-0.049 χ^2/NDF: 5330797.1/37


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2.2/1
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:0.9/1
Left: 0.000+/-0.000 χ²/NDF: 3.2/3
Right: -0.000+/-0.000 χ²/NDF: 27.2/33
In: 0.000+/-0.000 χ²/NDF:15.9/17
Out: -0.000+/-0.000 χ²/NDF:16.5/19
All: -0.000+/-0.000 χ²/NDF: 32.4/37



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.013+/-0.000 χ^2/NDF:314408.5/1

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.013+/-0.000 χ^2/NDF:511023.5/1

Left: 0.013+/-0.000 χ^2/NDF: 825541.2/3

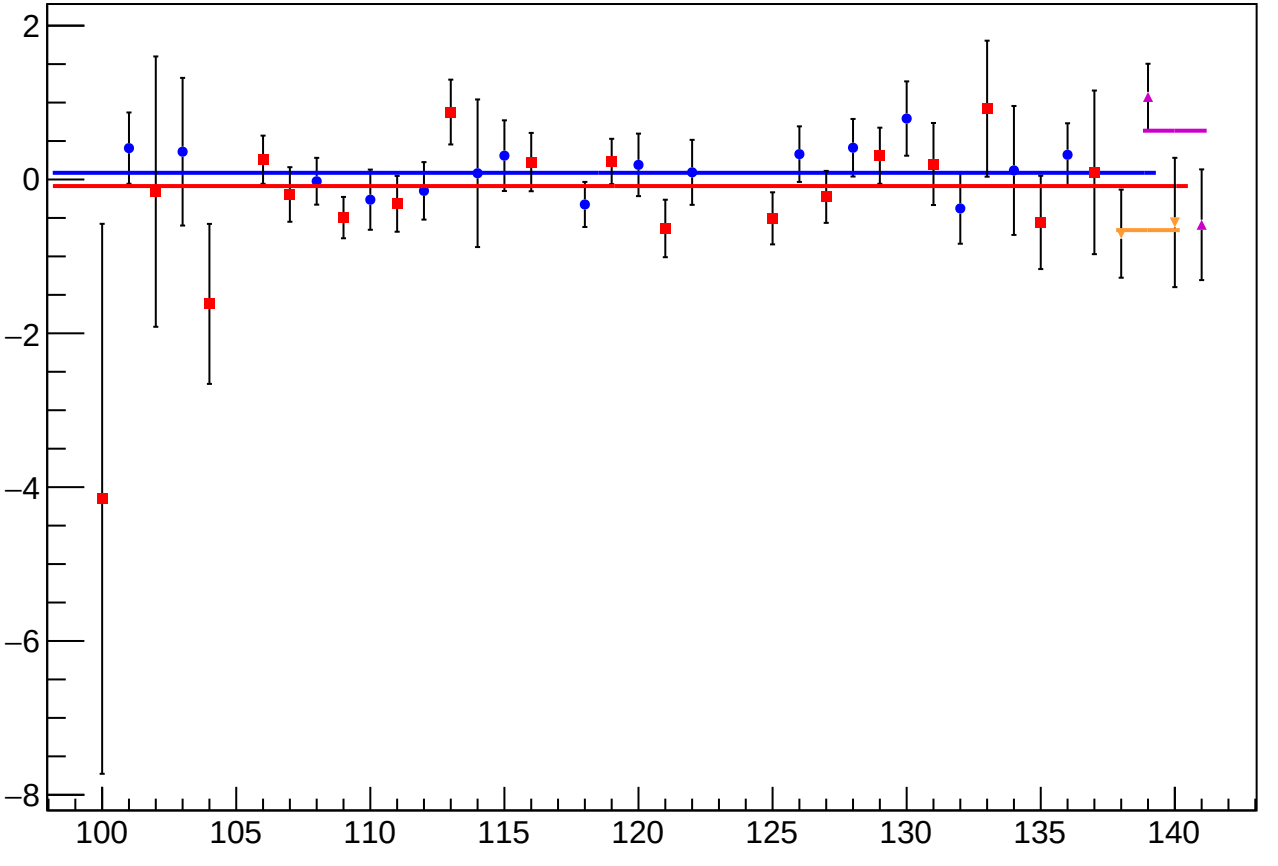
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.011+/-0.000 χ^2/NDF:5169870.8/17

Out: 0.014+/-0.000 χ^2/NDF:2408105.8/19

All: 0.012+/-0.000 χ^2/NDF: 7898885.7/37

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.658+/-0.473 χ^2/NDF:0.0/1

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.634+/-0.370 χ^2/NDF:3.9/1

Left: 0.144+/-0.291 χ^2/NDF: 8.6/3

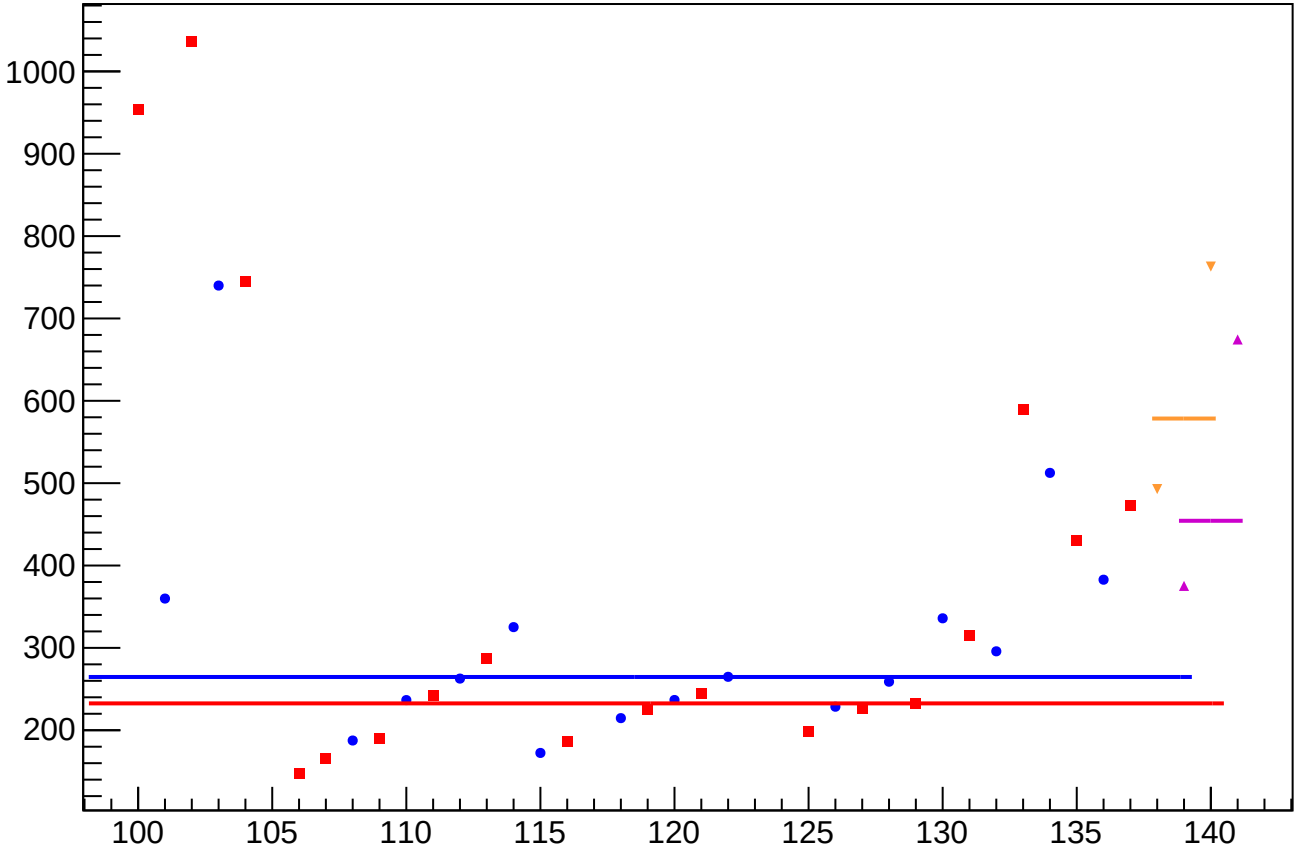
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.128+/-0.101 χ^2/NDF:14.8/17

Out: -0.109+/-0.095 χ^2/NDF:23.3/19

All: 0.003+/-0.069 χ^2/NDF: 40.9/37

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 578.488+/-0.335 χ^2/NDF:141099.9/1

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 454.326+/-0.262 χ^2/NDF:254359.0/1

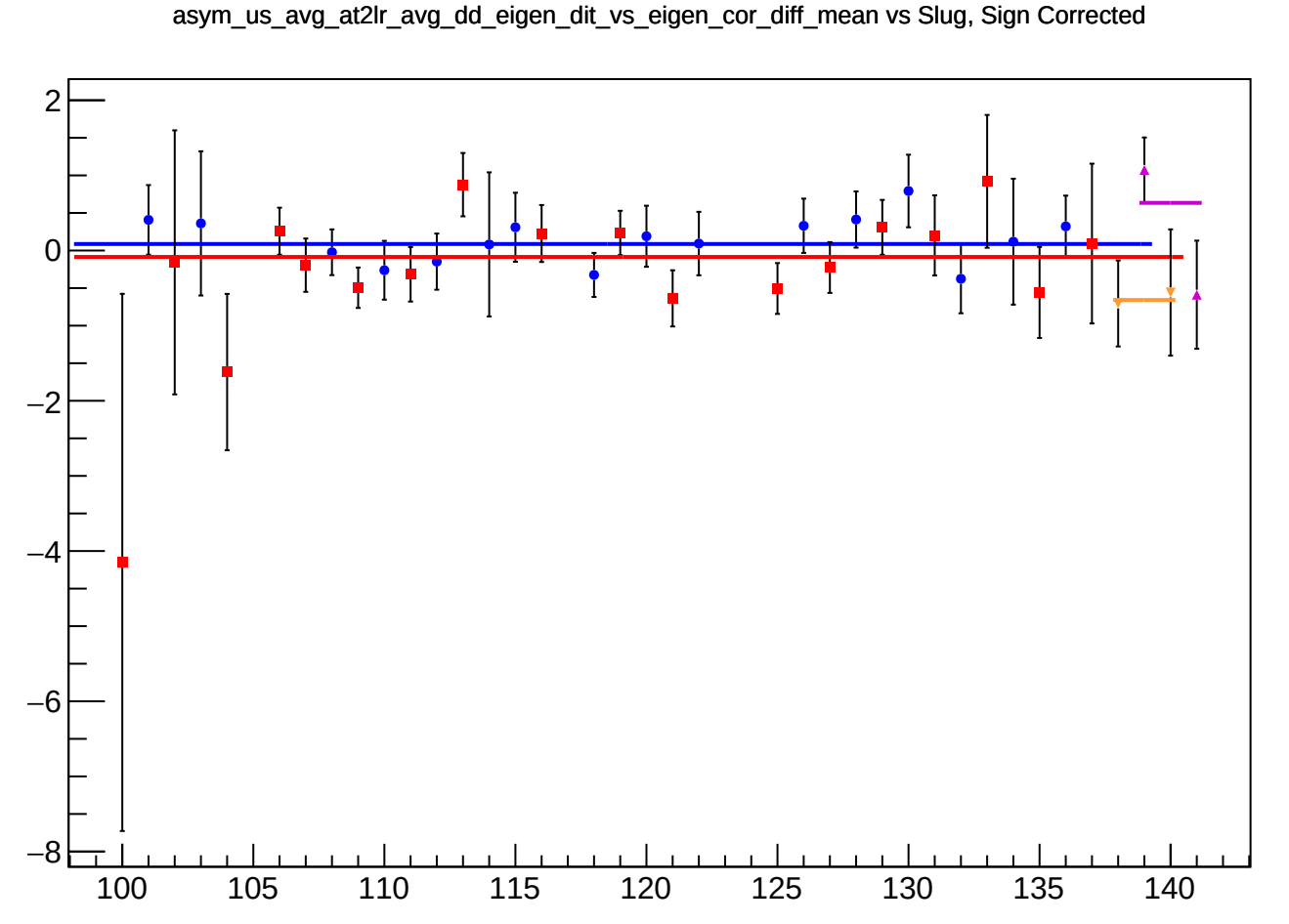
Left: 501.414+/-0.206 χ^2/NDF: 480903.2/3

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

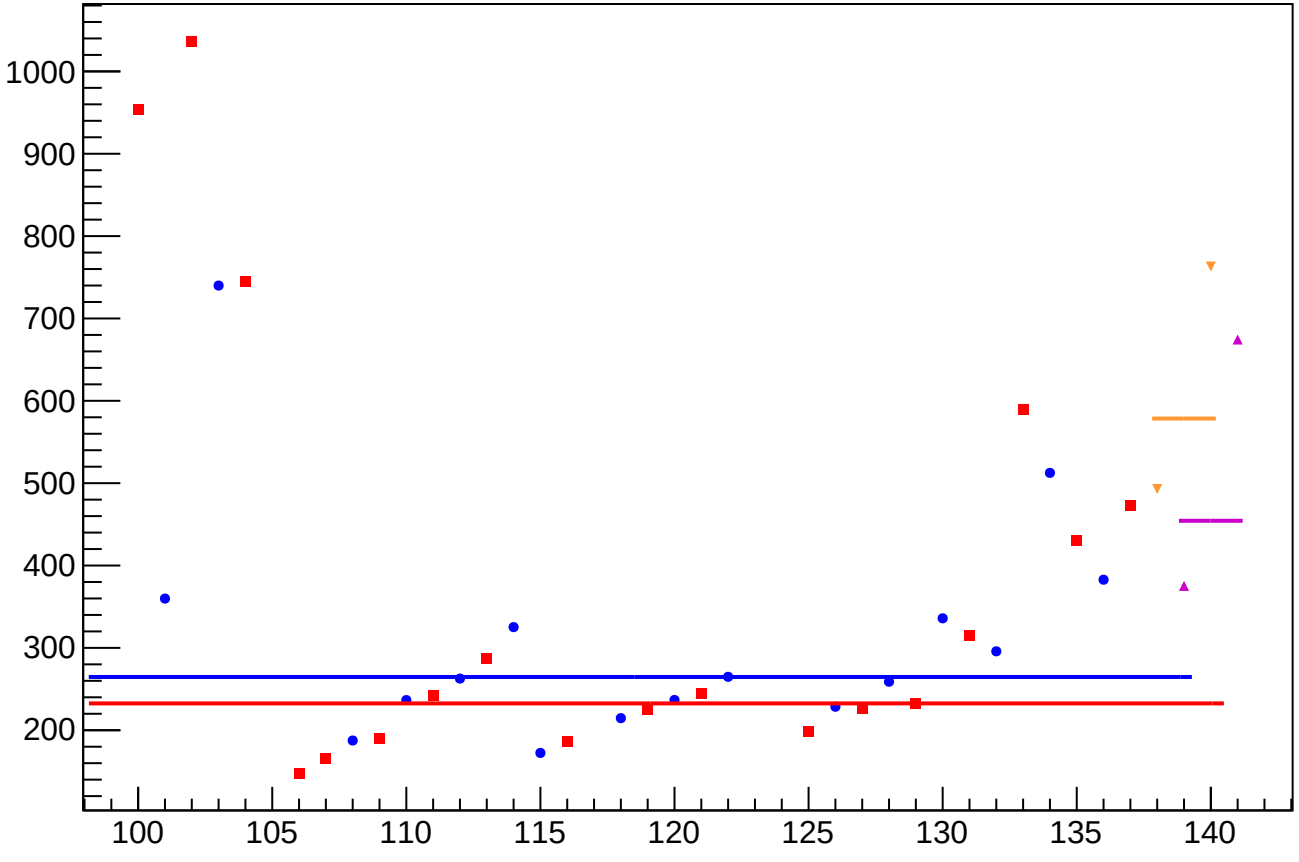
In: 278.827+/-0.071 χ^2/NDF:2024780.9/17

Out: 246.633+/-0.067 χ^2/NDF:3198635.4/19

All: 261.790+/-0.049 χ^2/NDF: 5330781.5/37


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
105
110
115
120
125
130
135
140
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.658+/-0.473 χ²/NDF:0.0/1
Right Out: -0.086+/-0.097 χ²/NDF: 21.8/17
Left In: 0.634+/-0.370 χ²/NDF:3.9/1
Left: 0.144+/-0.291 χ²/NDF: 8.6/3
Right: -0.006+/-0.071 χ²/NDF: 32.1/33
In: 0.128+/-0.101 χ²/NDF:14.8/17
Out: -0.109+/-0.095 χ²/NDF:23.3/19
All: 0.003+/-0.069 χ²/NDF: 40.9/37

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 578.488+/-0.335 χ^2/NDF:141099.9/1

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 454.326+/-0.262 χ^2/NDF:254359.0/1

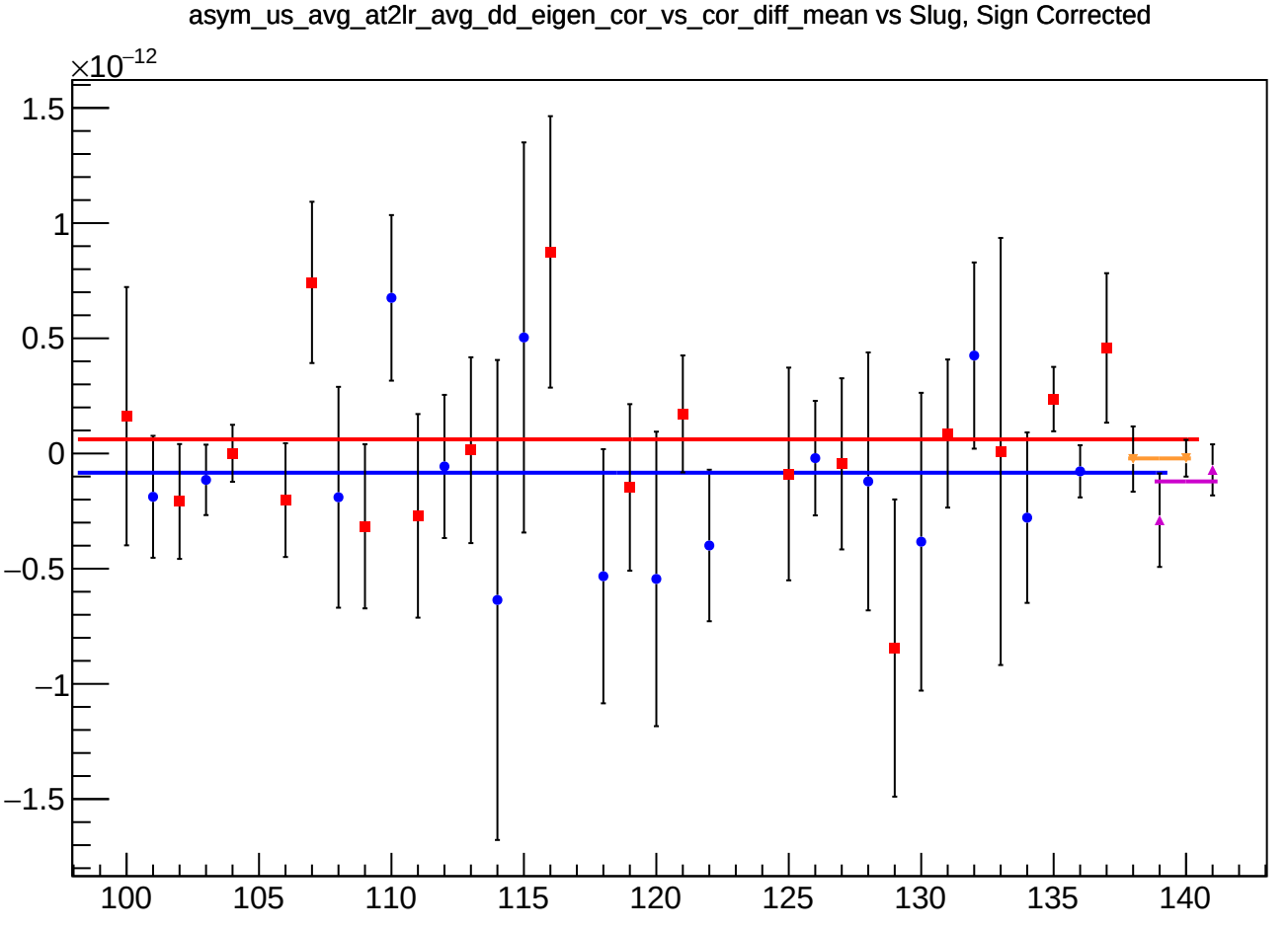
Left: 501.414+/-0.206 χ^2/NDF: 480903.2/3

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 278.827+/-0.071 χ^2/NDF:2024780.9/17

Out: 246.633+/-0.067 χ^2/NDF:3198635.4/19

All: 261.790+/-0.049 χ^2/NDF: 5330781.5/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

Left: -0.000+/-0.000 χ^2/NDF: 1.6/3

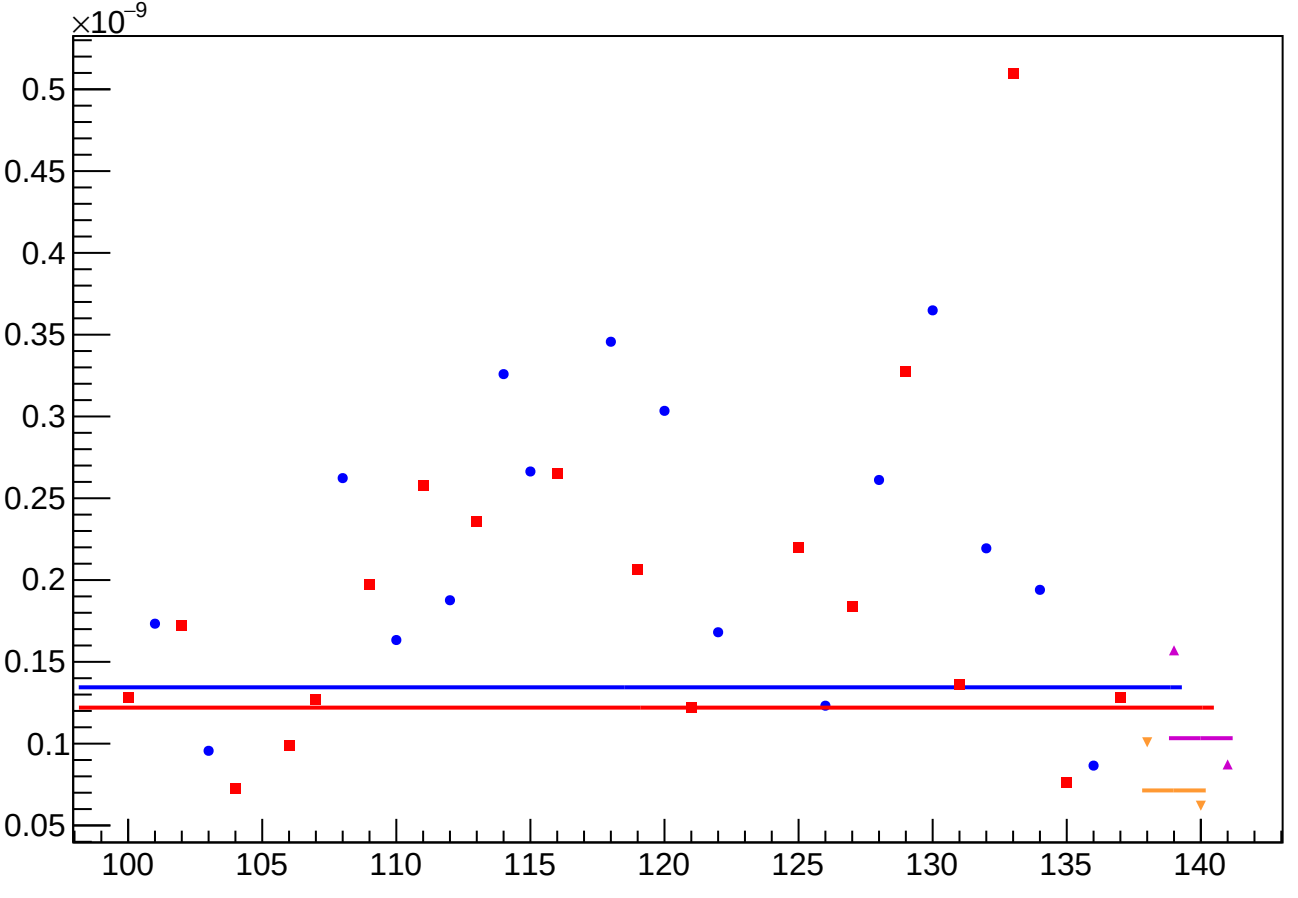
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: -0.000+/-0.000 χ^2/NDF:10.7/17

Out: 0.000+/-0.000 χ^2/NDF:16.5/19

All: -0.000+/-0.000 χ^2/NDF: 29.8/37

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:113614.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:181926.0/1

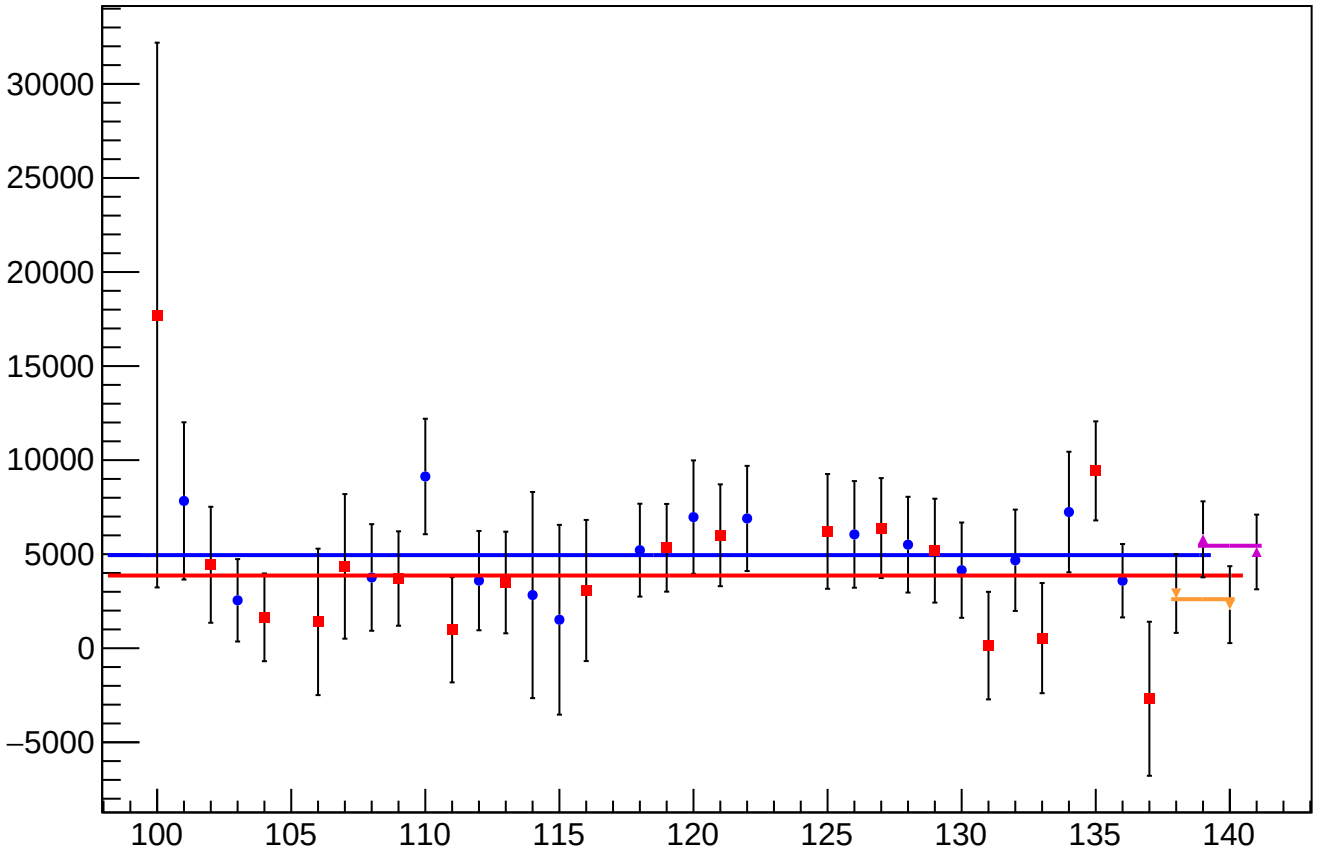
Left: 0.000+/-0.000 χ^2/NDF: 438132.9/3

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:2132854.7/17

Out: 0.000+/-0.000 χ^2/NDF:2686743.7/19

All: 0.000+/-0.000 χ^2/NDF: 5058840.6/37



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2606.121+/-1462.298 χ^2/NDF:0.0/1

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 5447.924+/-1415.728 χ^2/NDF:0.1/1

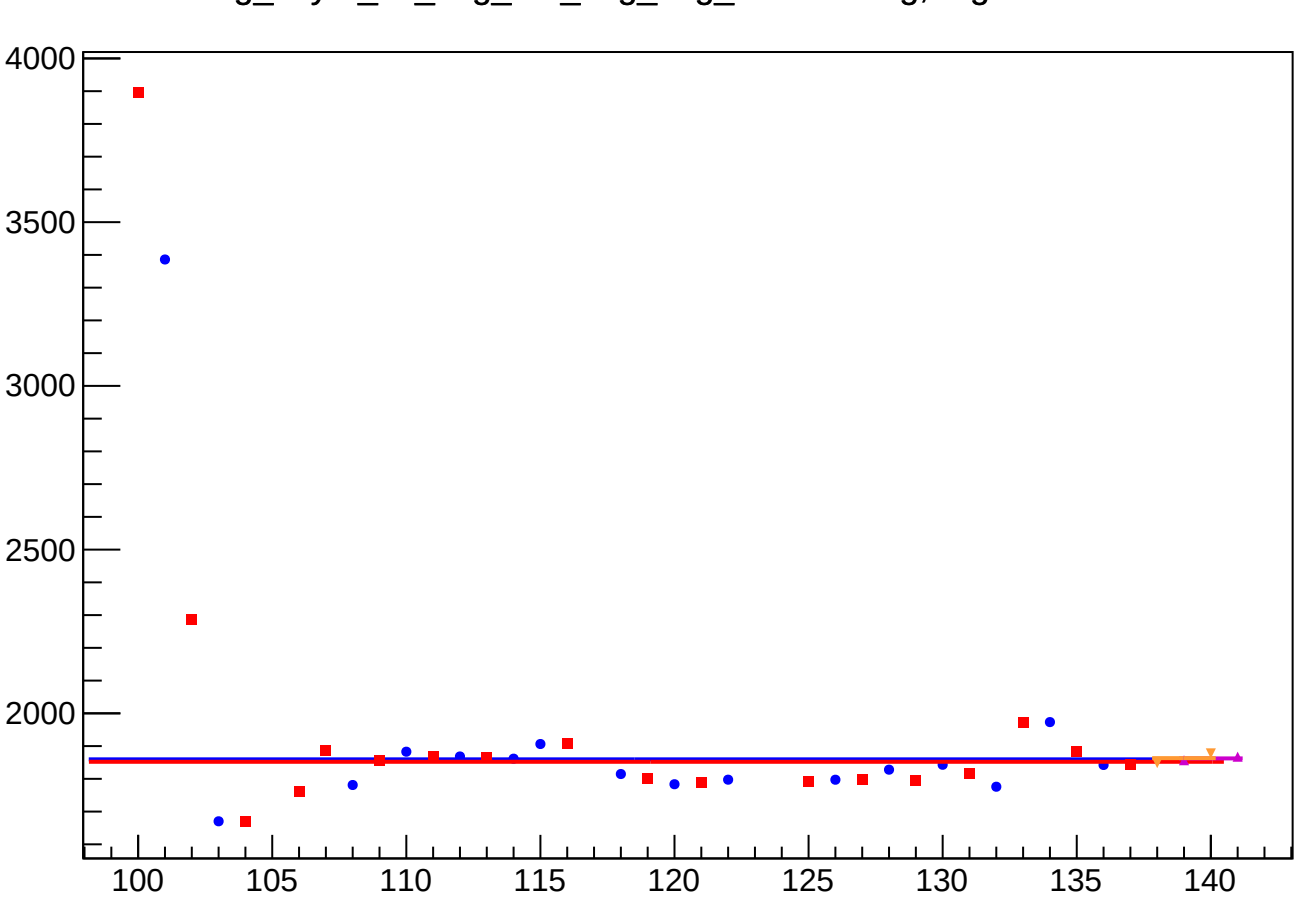
Left: 4072.994+/-1017.136 χ^2/NDF: 2.0/3

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 5047.836+/-626.721 χ^2/NDF:7.0/17

Out: 3632.724+/-628.285 χ^2/NDF:16.8/19

All: 4342.043+/-443.710 χ^2/NDF: 26.3/37



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1863.226+/-1.034 χ^2/NDF:204.4/1

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1862.361+/-1.001 χ^2/NDF:28.9/1

Left: 1862.780+/-0.719 χ^2/NDF: 233.6/3

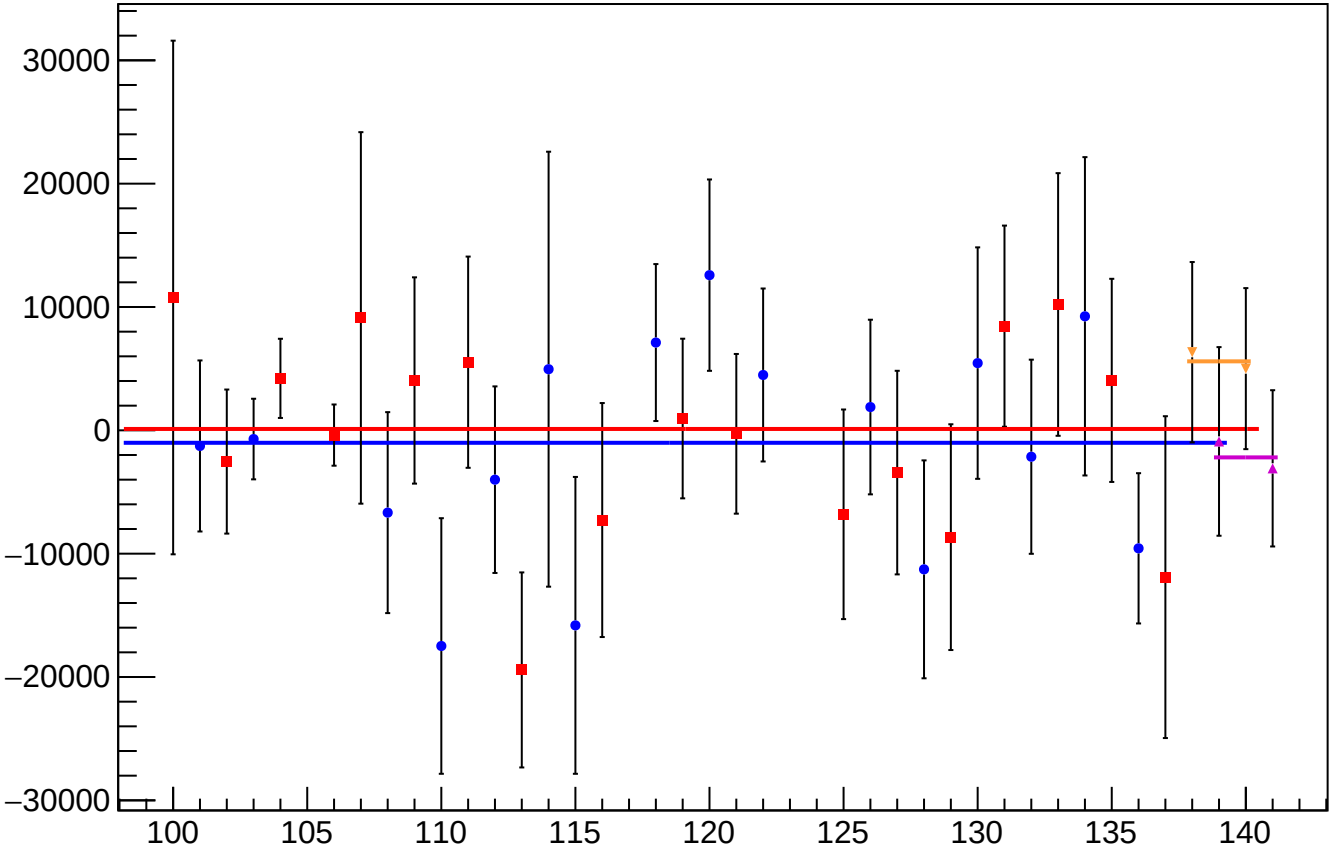
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1860.068+/-0.443 χ^2/NDF:292370.0/17

Out: 1854.115+/-0.443 χ^2/NDF:102512.0/19

All: 1857.092+/-0.313 χ^2/NDF: 394972.3/37

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 5593.305+/-4869.898 χ^2/NDF:0.0/1

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -2193.915+/-4878.343 χ^2/NDF:0.0/1

Left: 1706.441+/-3446.520 χ^2/NDF: 1.3/3

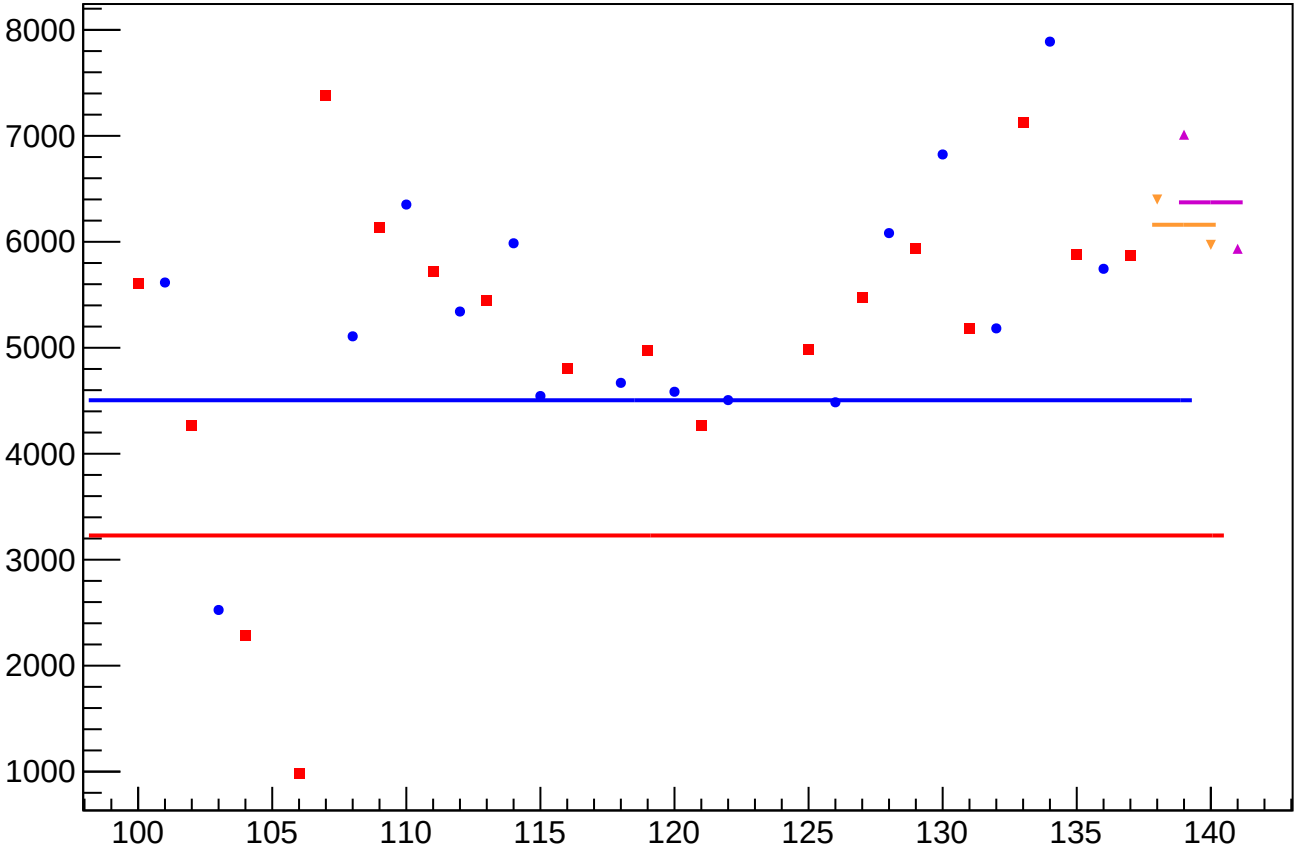
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -1147.180+/-1659.029 χ^2/NDF:14.8/17

Out: 551.208+/-1379.586 χ^2/NDF:15.8/19

All: -143.105+/-1060.750 χ^2/NDF: 31.3/37

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6160.982+/-3.444 χ^2/NDF:3809.3/1

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6372.573+/-3.450 χ^2/NDF:23510.4/1

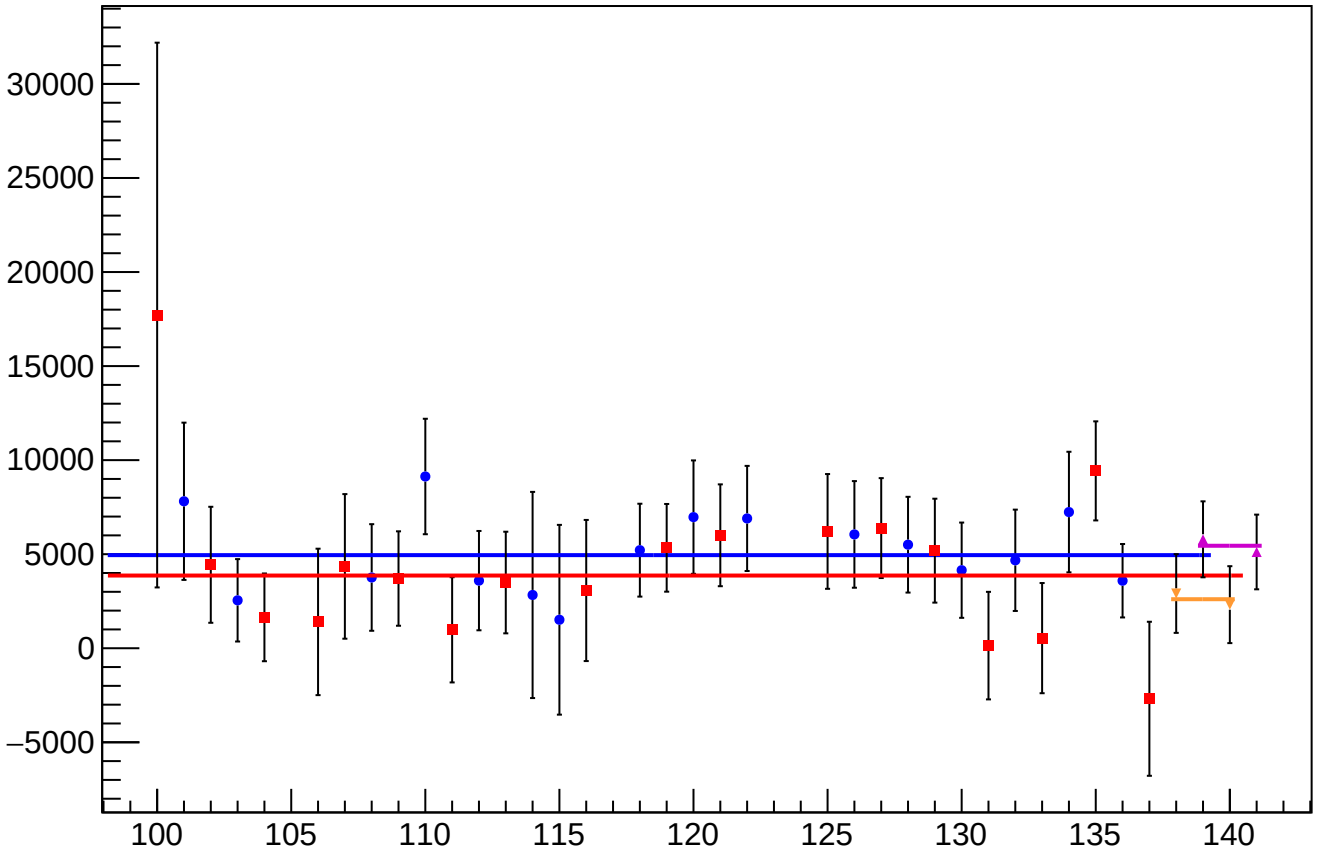
Left: 6266.594+/-2.437 χ^2/NDF: 29204.3/3

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4720.806+/-1.173 χ^2/NDF:1603890.4/17

Out: 3463.935+/-0.976 χ^2/NDF:4627165.2/19

All: 3977.753+/-0.750 χ^2/NDF: 6909684.6/37



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2606.309+/-1462.298 χ^2/NDF:0.0/1

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 5448.265+/-1415.728 χ^2/NDF:0.1/1

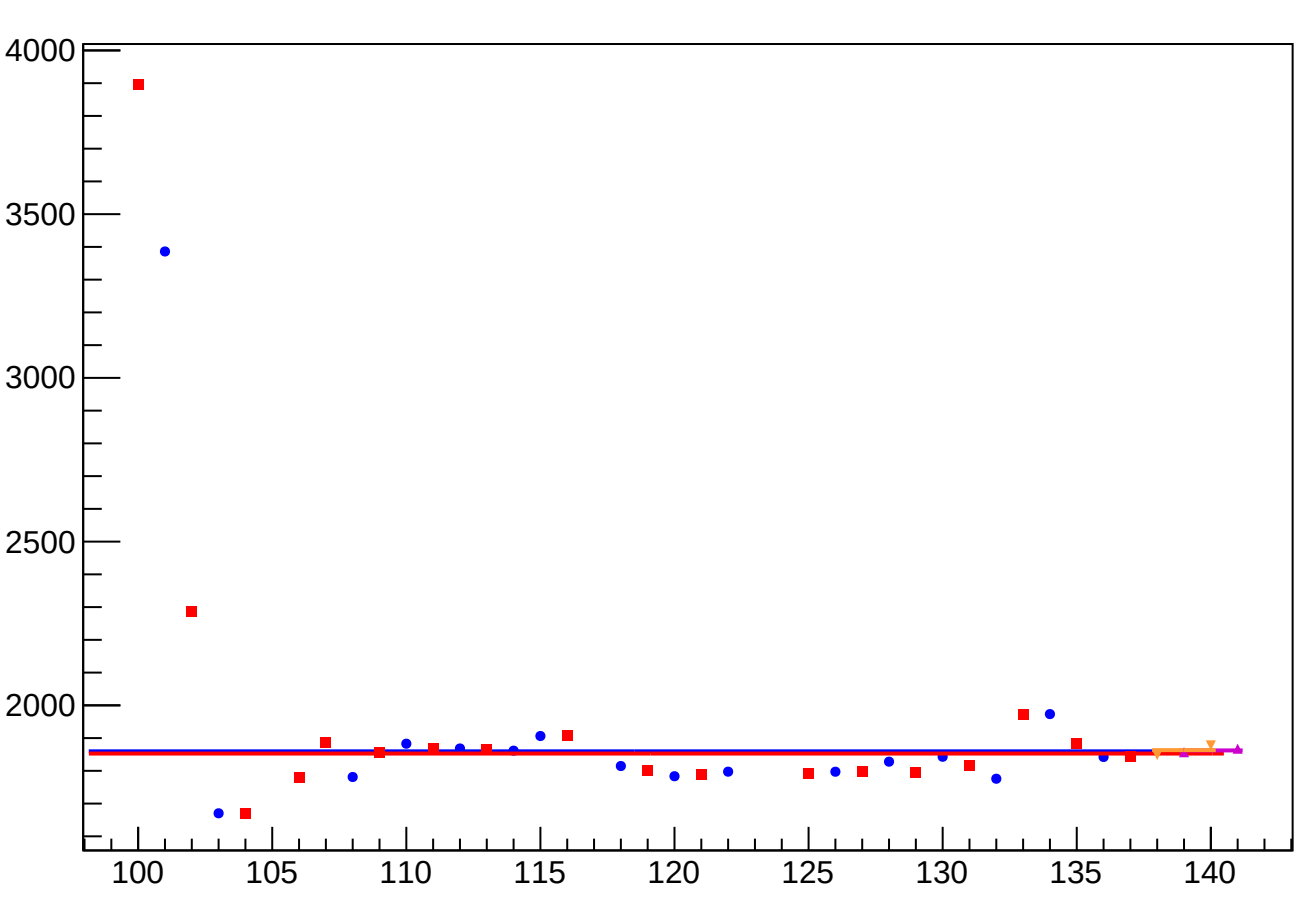
Left: 4073.262+/-1017.136 χ^2/NDF: 2.0/3

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5047.515+/-626.721 χ^2/NDF:7.0/17

Out: 3632.583+/-628.285 χ^2/NDF:16.8/19

All: 4341.812+/-443.711 χ^2/NDF: 26.3/37



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1863.226+/-1.034 χ^2/NDF:204.4/1

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1862.361+/-1.001 χ^2/NDF:28.9/1

Left: 1862.780+/-0.719 χ^2/NDF: 233.6/3

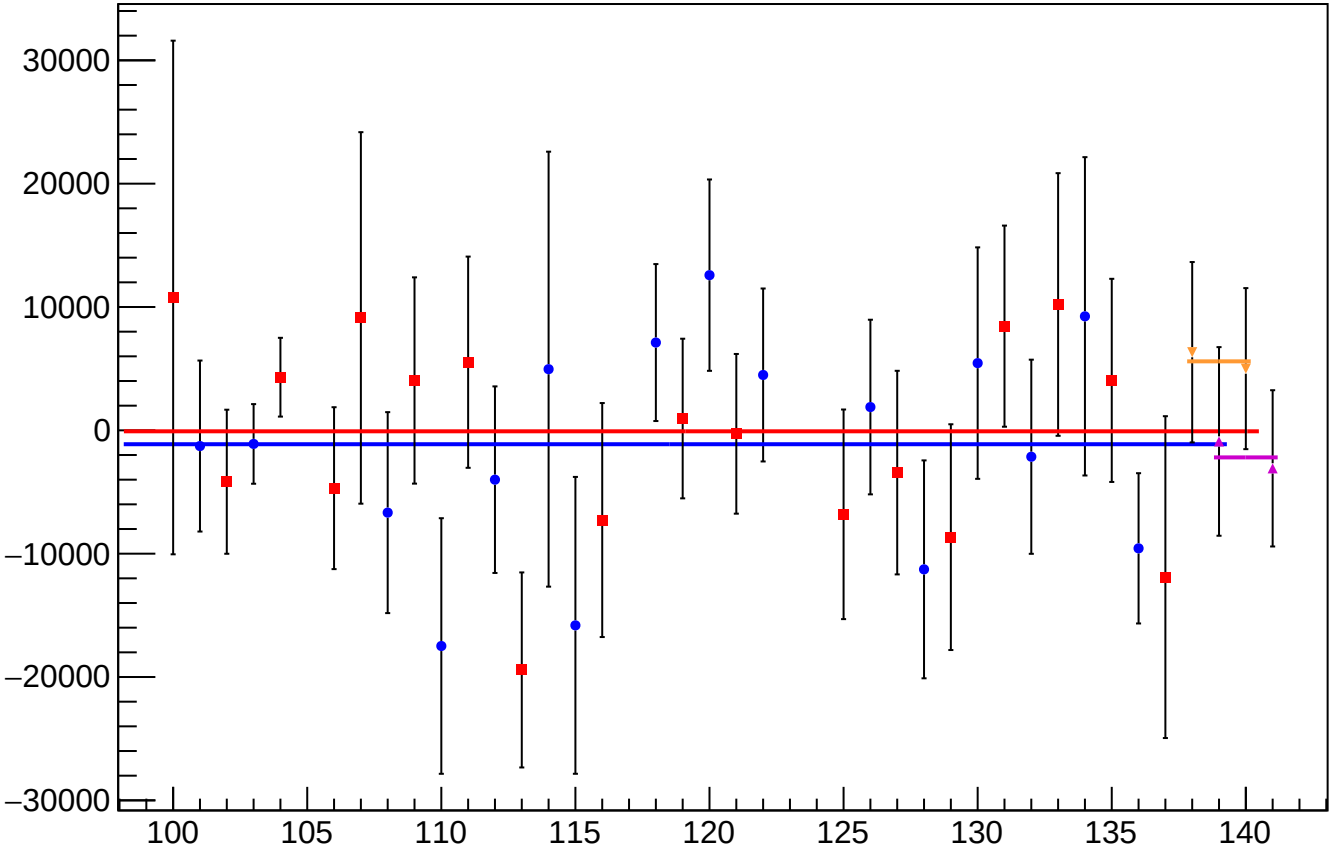
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1860.068+/-0.443 χ^2/NDF:292371.9/17

Out: 1854.692+/-0.443 χ^2/NDF:102038.4/19

All: 1857.381+/-0.313 χ^2/NDF: 394483.8/37

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 5593.542+/-4869.891 χ^2/NDF:0.0/1

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -2194.000+/-4878.340 χ^2/NDF:0.0/1

Left: 1706.520+/-3446.516 χ^2/NDF: 1.3/3

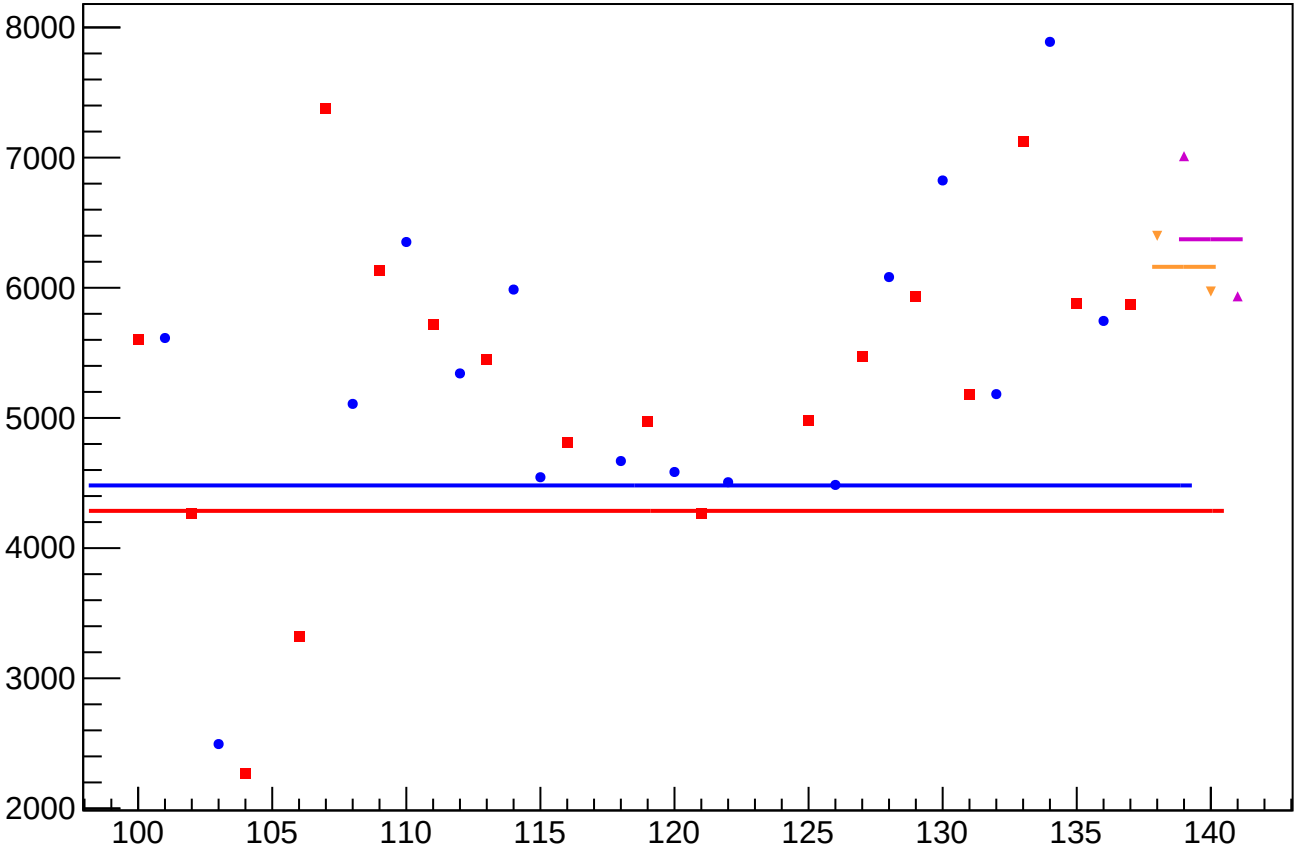
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -1248.356+/-1653.783 χ^2/NDF:14.8/17

Out: 539.397+/-1607.073 χ^2/NDF:16.8/19

All: -328.877+/-1152.532 χ^2/NDF: 32.2/37

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6160.973+/-3.444 χ^2/NDF:3809.6/1

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6372.566+/-3.450 χ^2/NDF:23511.4/1

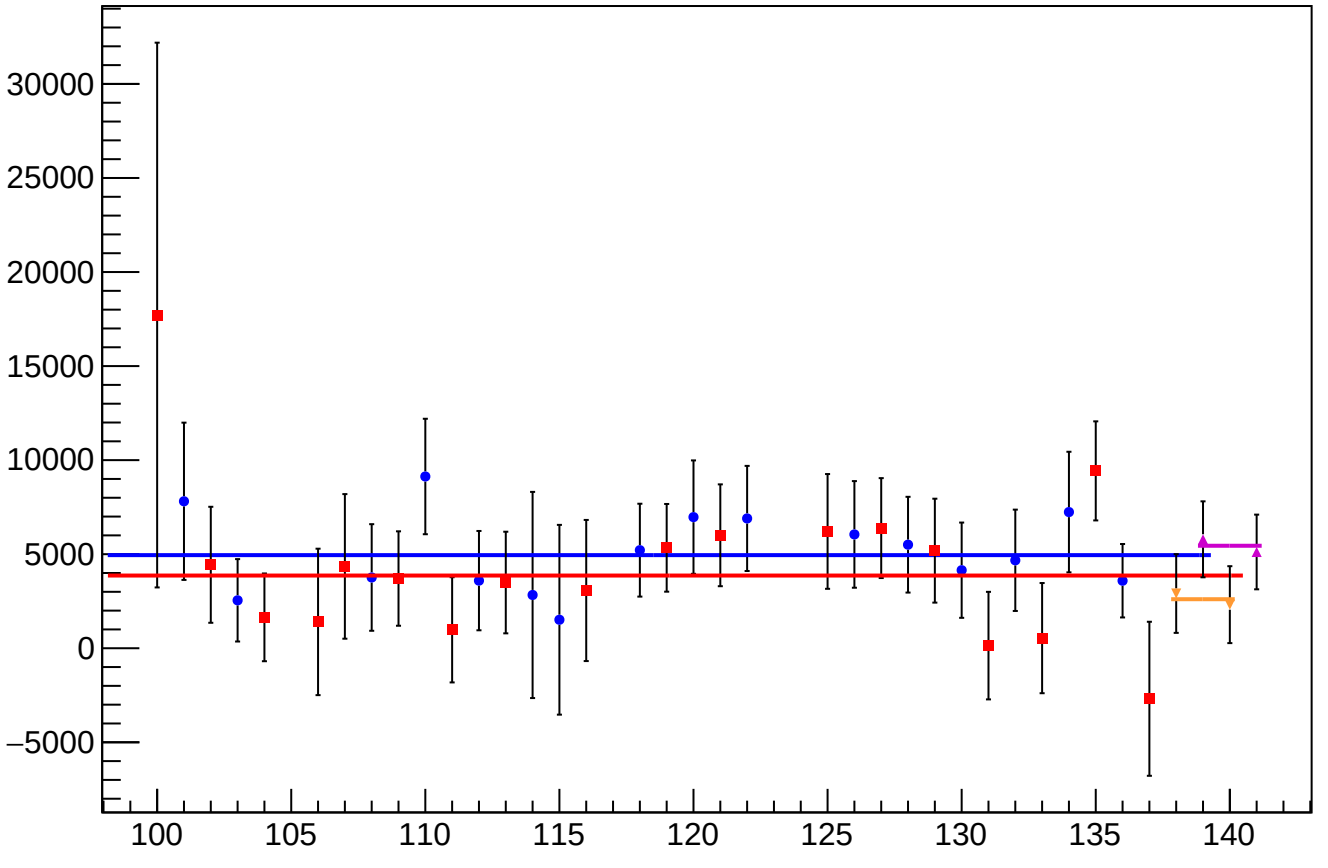
Left: 6266.586+/-2.437 χ^2/NDF: 29205.6/3

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4698.846+/-1.169 χ^2/NDF:1651760.1/17

Out: 4490.298+/-1.136 χ^2/NDF:1817811.6/19

All: 4591.586+/-0.815 χ^2/NDF: 3485929.2/37



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2606.309+/-1462.298 χ^2/NDF:0.0/1

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 5448.265+/-1415.728 χ^2/NDF:0.1/1

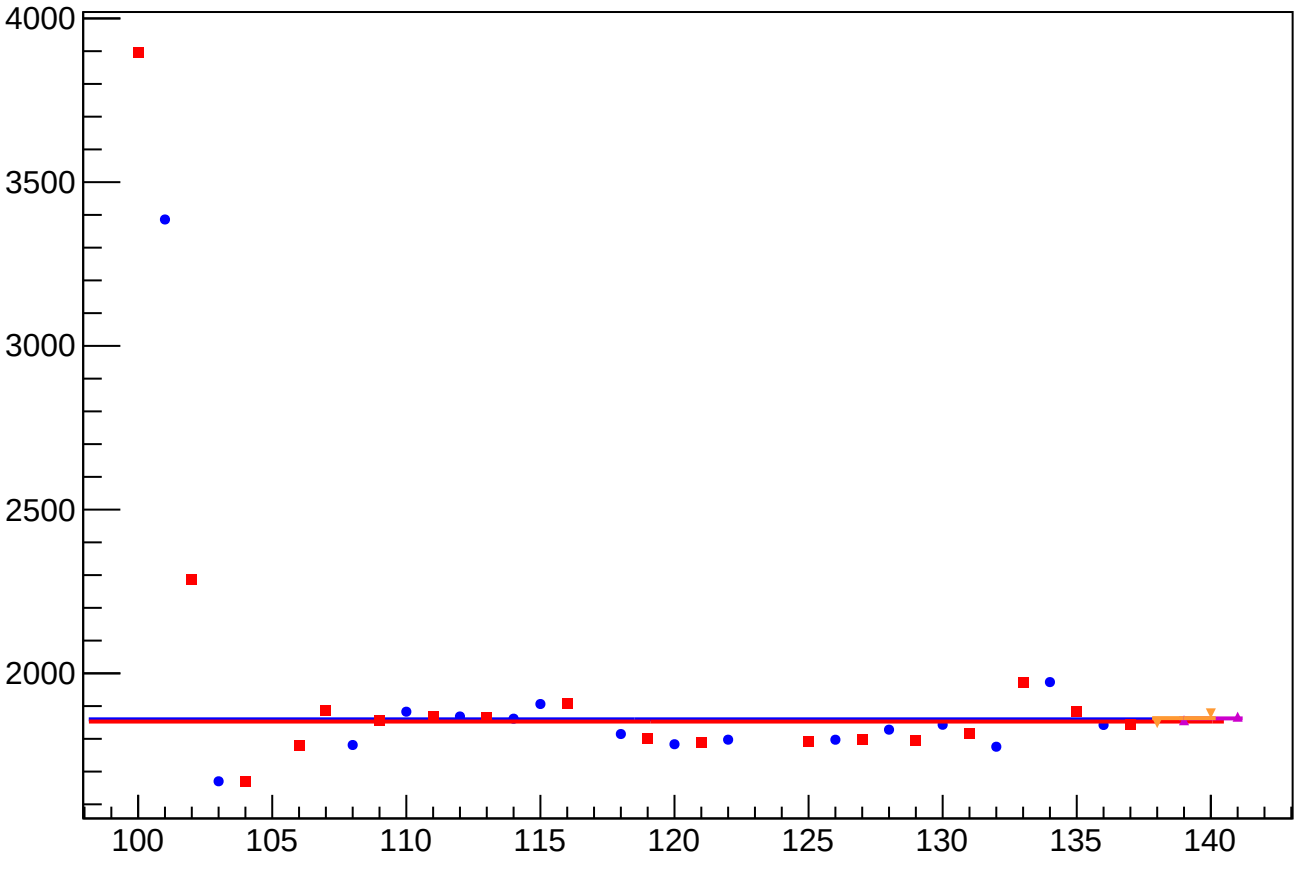
Left: 4073.262+/-1017.136 χ^2/NDF: 2.0/3

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5047.515+/-626.721 χ^2/NDF:7.0/17

Out: 3632.583+/-628.285 χ^2/NDF:16.8/19

All: 4341.812+/-443.711 χ^2/NDF: 26.3/37



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1863.226+/-1.034 χ^2/NDF:204.4/1

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1862.361+/-1.001 χ^2/NDF:28.9/1

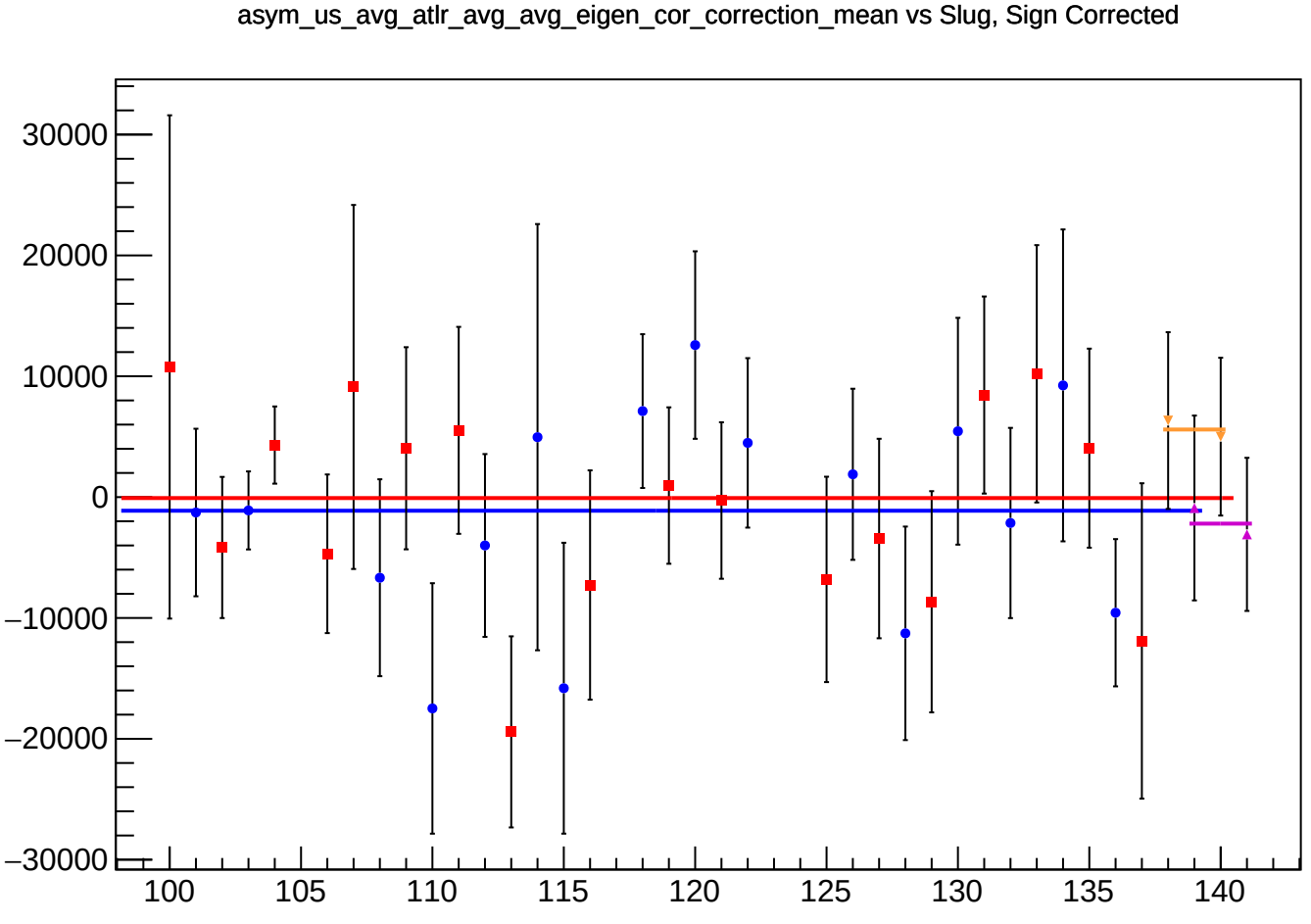
Left: 1862.780+/-0.719 χ^2/NDF: 233.6/3

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1860.068+/-0.443 χ^2/NDF:292371.9/17

Out: 1854.692+/-0.443 χ^2/NDF:102038.4/19

All: 1857.381+/-0.313 χ^2/NDF: 394483.8/37



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 5593.542+/-4869.891 χ^2/NDF:0.0/1

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -2194.000+/-4878.340 χ^2/NDF:0.0/1

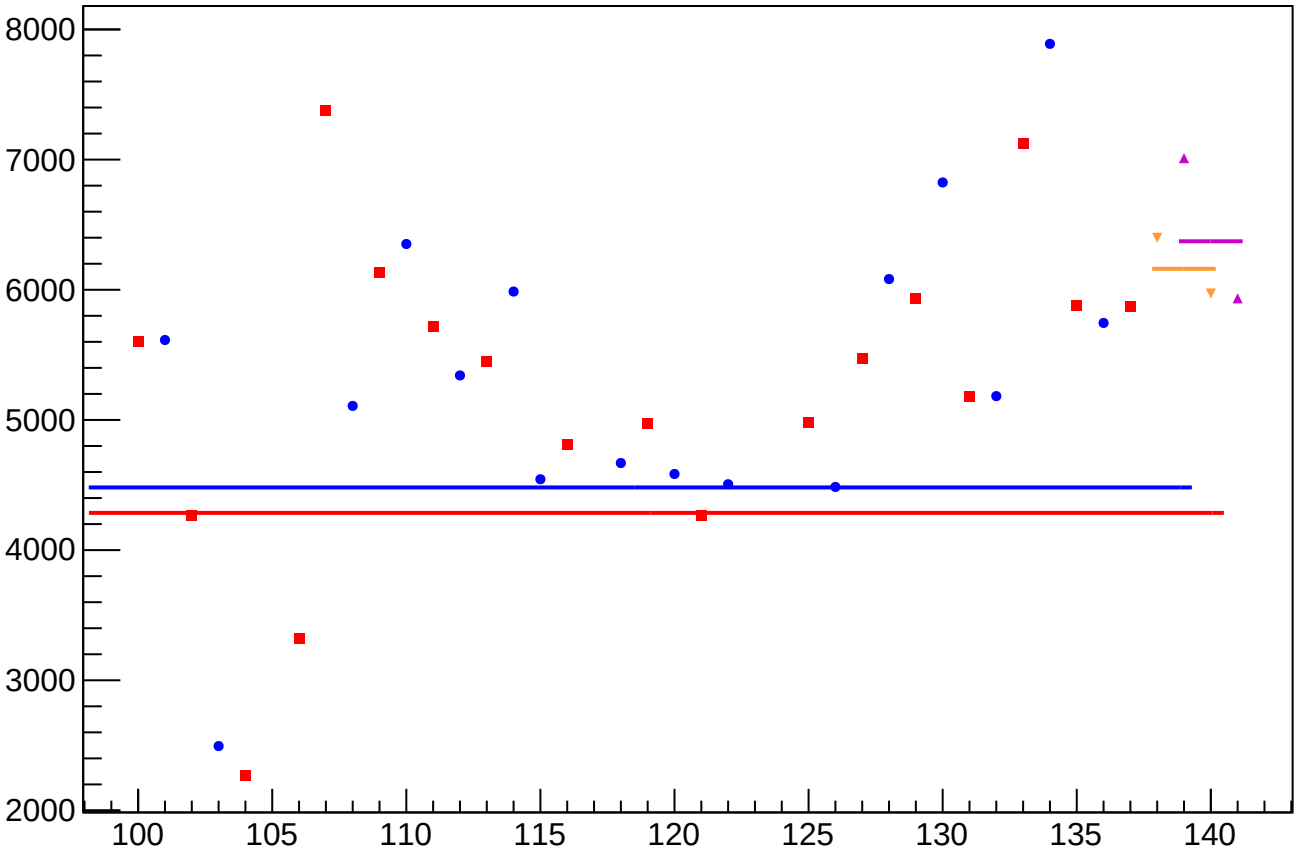
Left: 1706.520+/-3446.516 χ^2/NDF: 1.3/3

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -1248.356+/-1653.783 χ^2/NDF:14.8/17

Out: 539.397+/-1607.073 χ^2/NDF:16.8/19

All: -328.877+/-1152.532 χ^2/NDF: 32.2/37



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6160.973+/-3.444 χ^2/NDF:3809.6/1

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6372.566+/-3.450 χ^2/NDF:23511.4/1

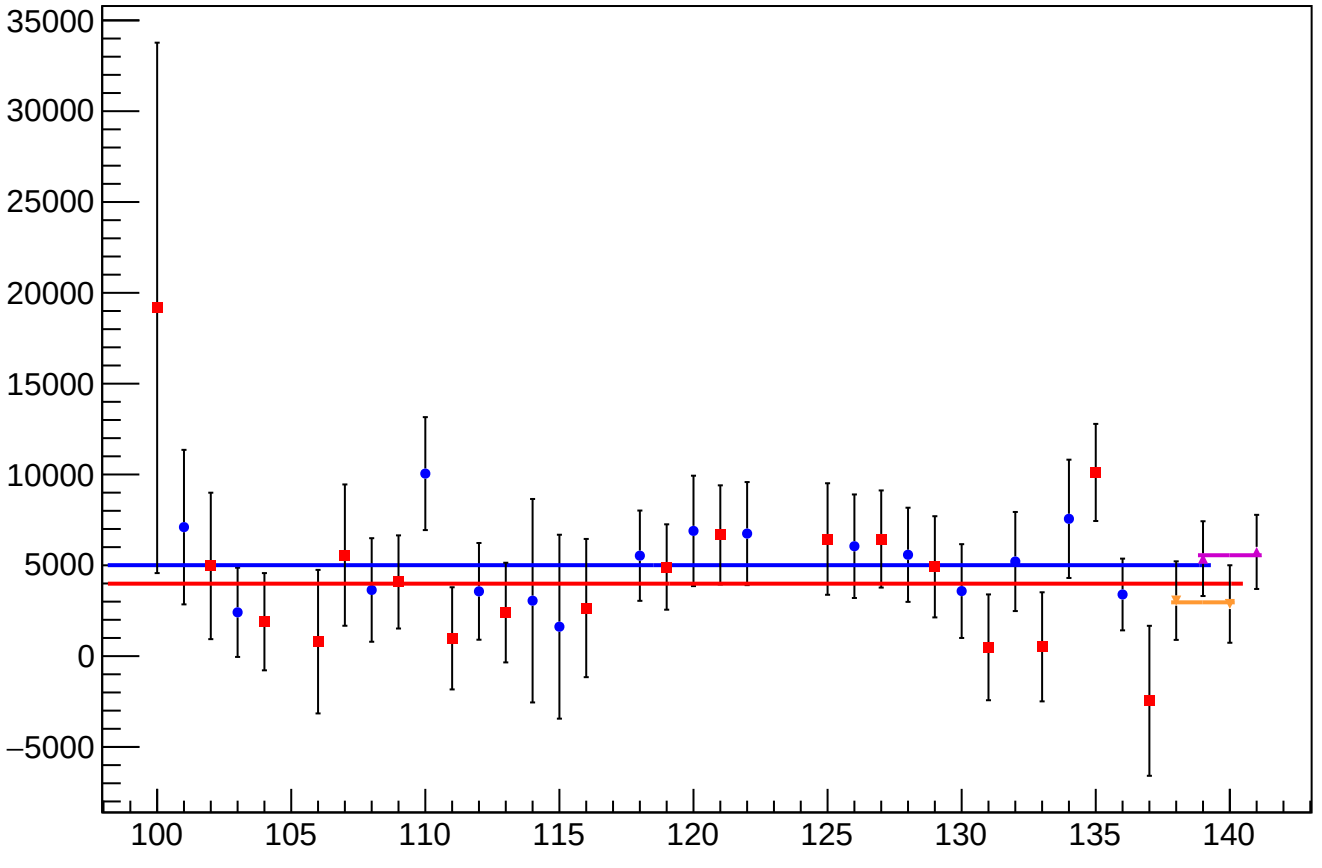
Left: 6266.586+/-2.437 χ^2/NDF: 29205.6/3

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4698.846+/-1.169 χ^2/NDF:1651760.1/17

Out: 4490.298+/-1.136 χ^2/NDF:1817811.6/19

All: 4591.586+/-0.815 χ^2/NDF: 3485929.2/37



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2961.664+/-1518.675 χ^2/NDF:0.0/1

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 5554.352+/-1449.157 χ^2/NDF:0.0/1

Left: 4318.705+/-1048.423 χ^2/NDF: 1.5/3

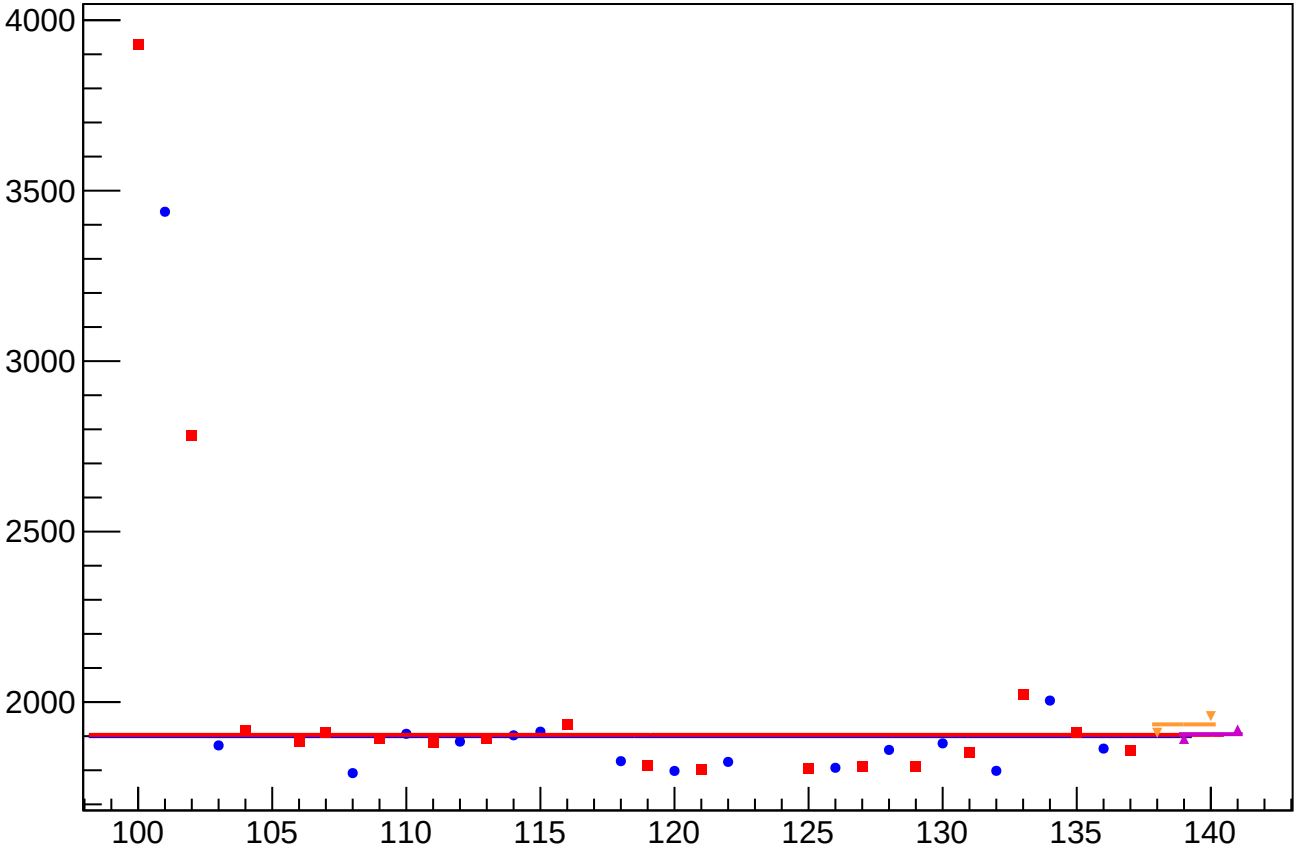
Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5114.185+/-640.524 χ^2/NDF:7.8/17

Out: 3801.039+/-649.867 χ^2/NDF:17.7/19

All: 4467.119+/-456.186 χ^2/NDF: 27.6/37

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1934.587+/-1.074 χ^2/NDF:515.1/1

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1905.912+/-1.025 χ^2/NDF:181.5/1

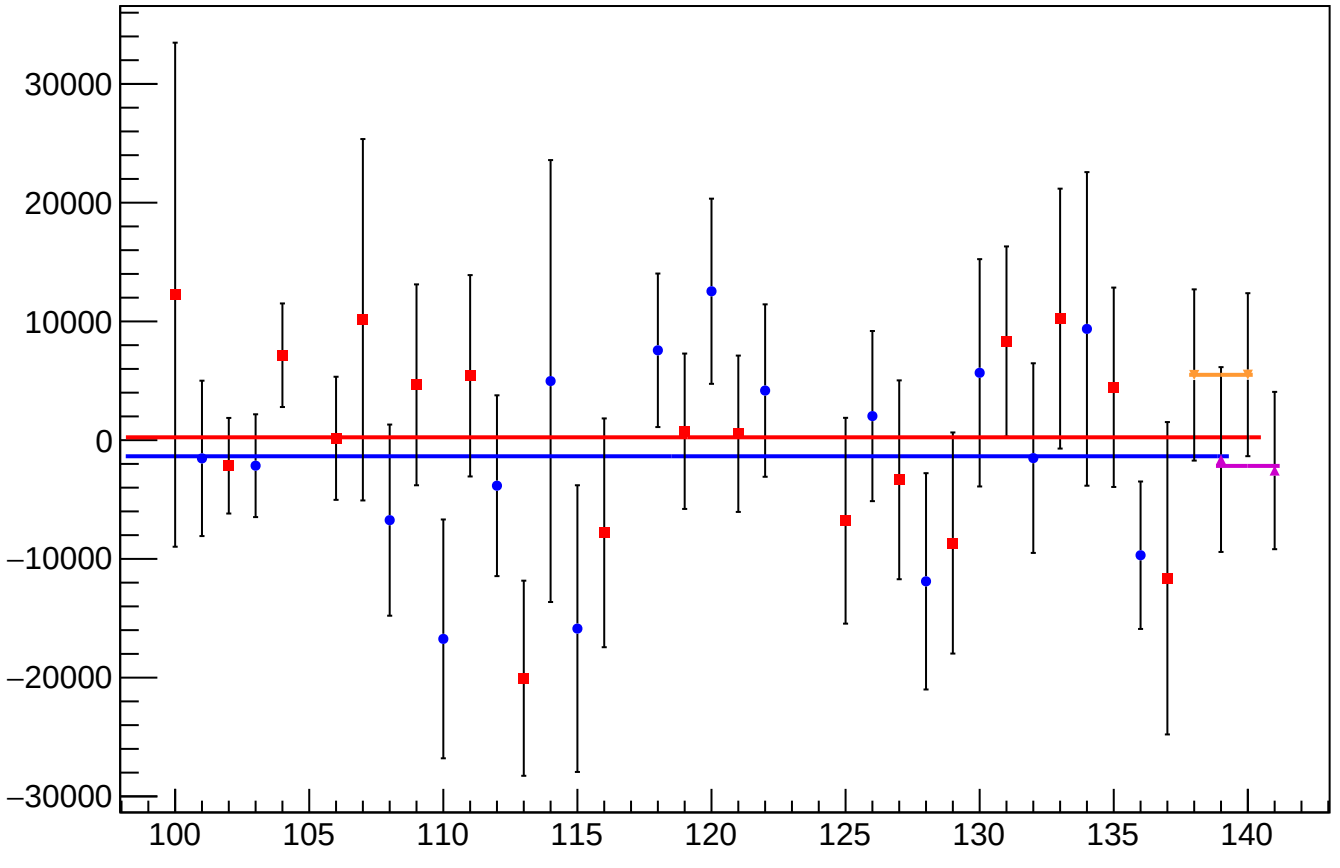
Left: 1919.578+/-0.741 χ^2/NDF: 1069.9/3

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1901.245+/-0.453 χ^2/NDF:278655.5/17

Out: 1909.450+/-0.459 χ^2/NDF:151301.5/19

All: 1905.291+/-0.322 χ^2/NDF: 430118.9/37



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 5502.336+/-4971.254 χ^2/NDF:0.0/1

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -2168.976+/-5044.333 χ^2/NDF:0.0/1

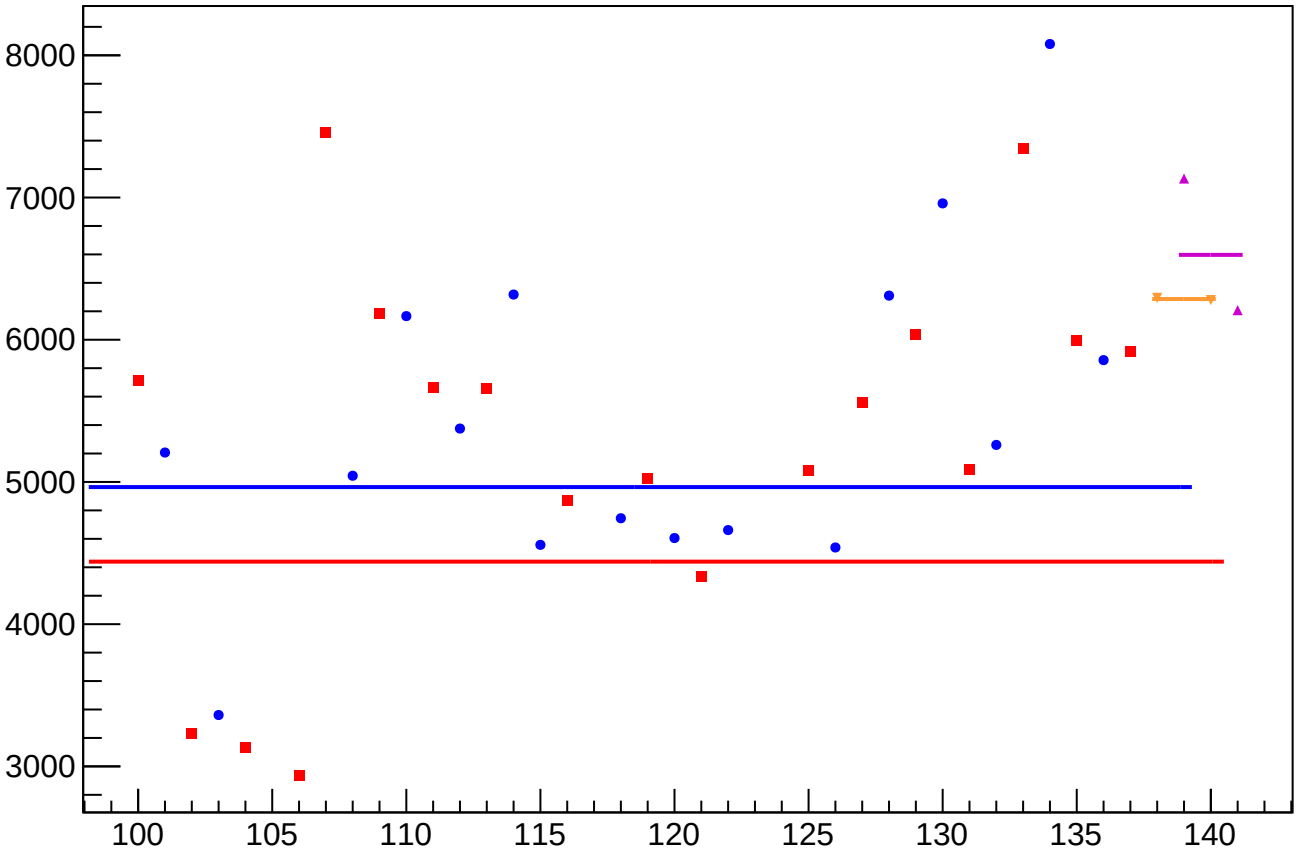
Left: 1722.652+/-3540.762 χ^2/NDF: 1.2/3

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -1457.174+/-1774.765 χ^2/NDF:14.7/17

Out: 799.359+/-1619.277 χ^2/NDF:16.7/19

All: -225.748+/-1196.202 χ^2/NDF: 32.4/37



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6286.205+/-3.515 χ^2/NDF:5.0/1

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6596.748+/-3.567 χ^2/NDF:16408.6/1

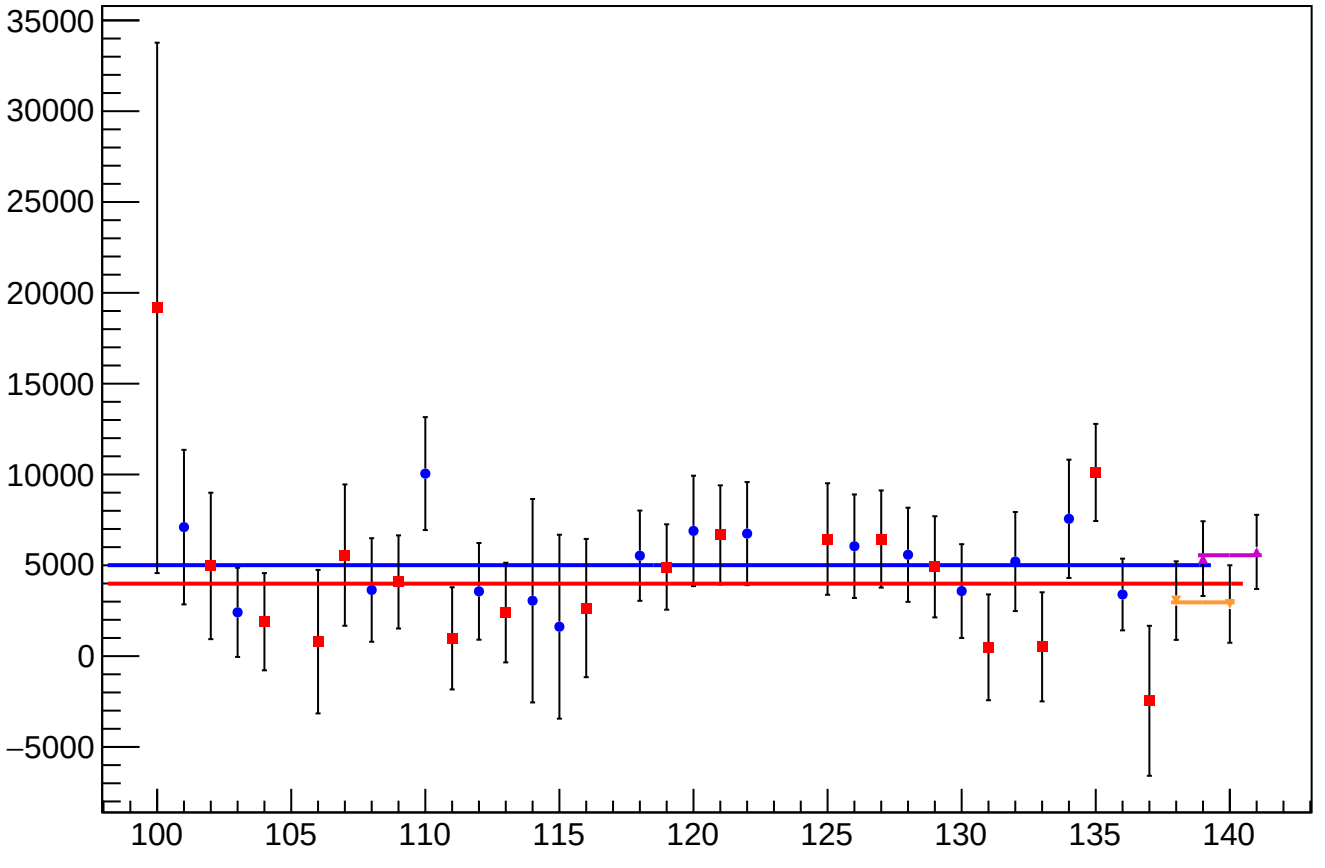
Left: 6439.210+/-2.504 χ^2/NDF: 20258.9/3

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5166.111+/-1.255 χ^2/NDF:827385.0/17

Out: 4635.589+/-1.145 χ^2/NDF:1405176.1/19

All: 4876.597+/-0.846 χ^2/NDF: 2330087.3/37



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2961.670+/-1518.675 χ^2/NDF:0.0/1

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 5554.336+/-1449.157 χ^2/NDF:0.0/1

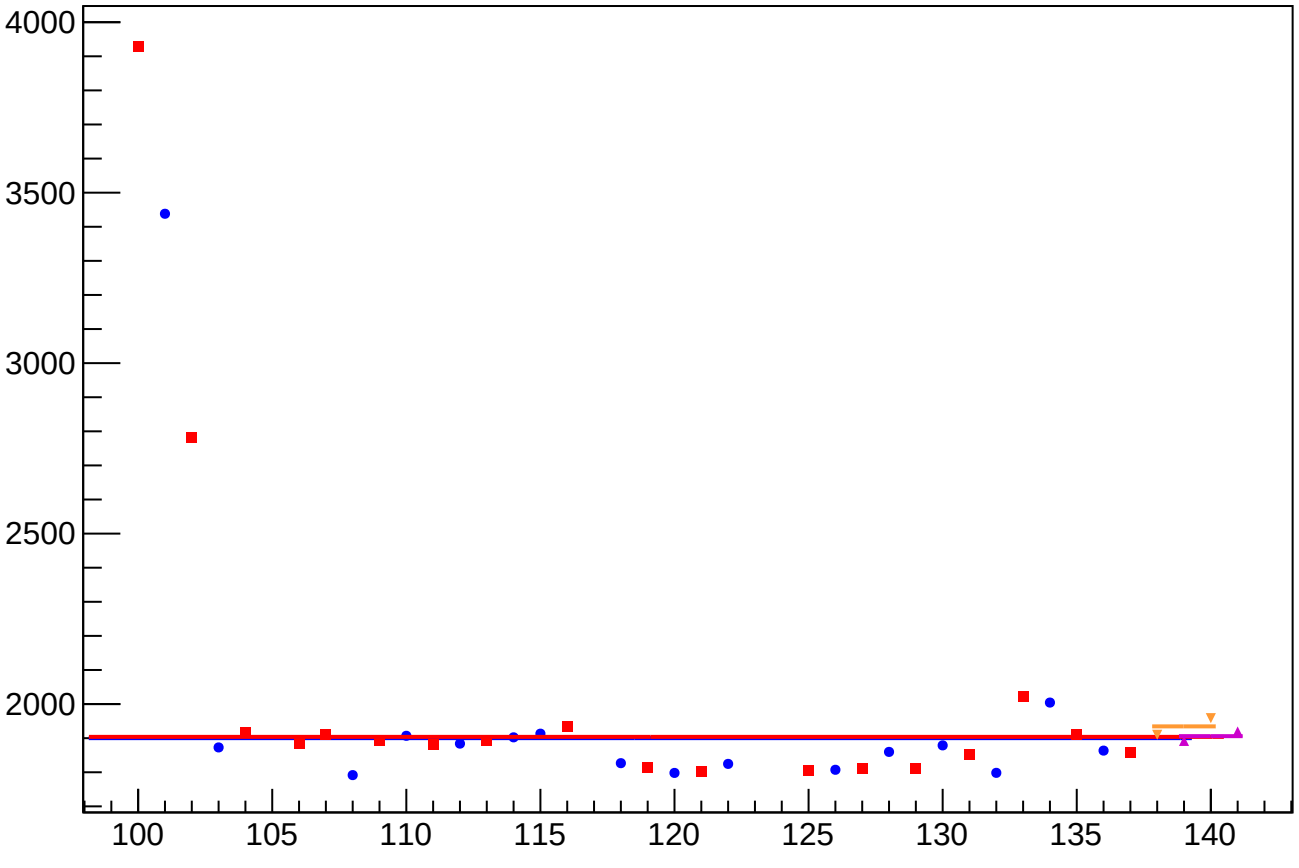
Left: 4318.699+/-1048.424 χ^2/NDF: 1.5/3

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 5114.181+/-640.524 χ^2/NDF:7.8/17

Out: 3801.039+/-649.867 χ^2/NDF:17.7/19

All: 4467.117+/-456.186 χ^2/NDF: 27.6/37



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1934.587+/-1.074 χ^2/NDF:515.2/1

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1905.913+/-1.025 χ^2/NDF:181.5/1

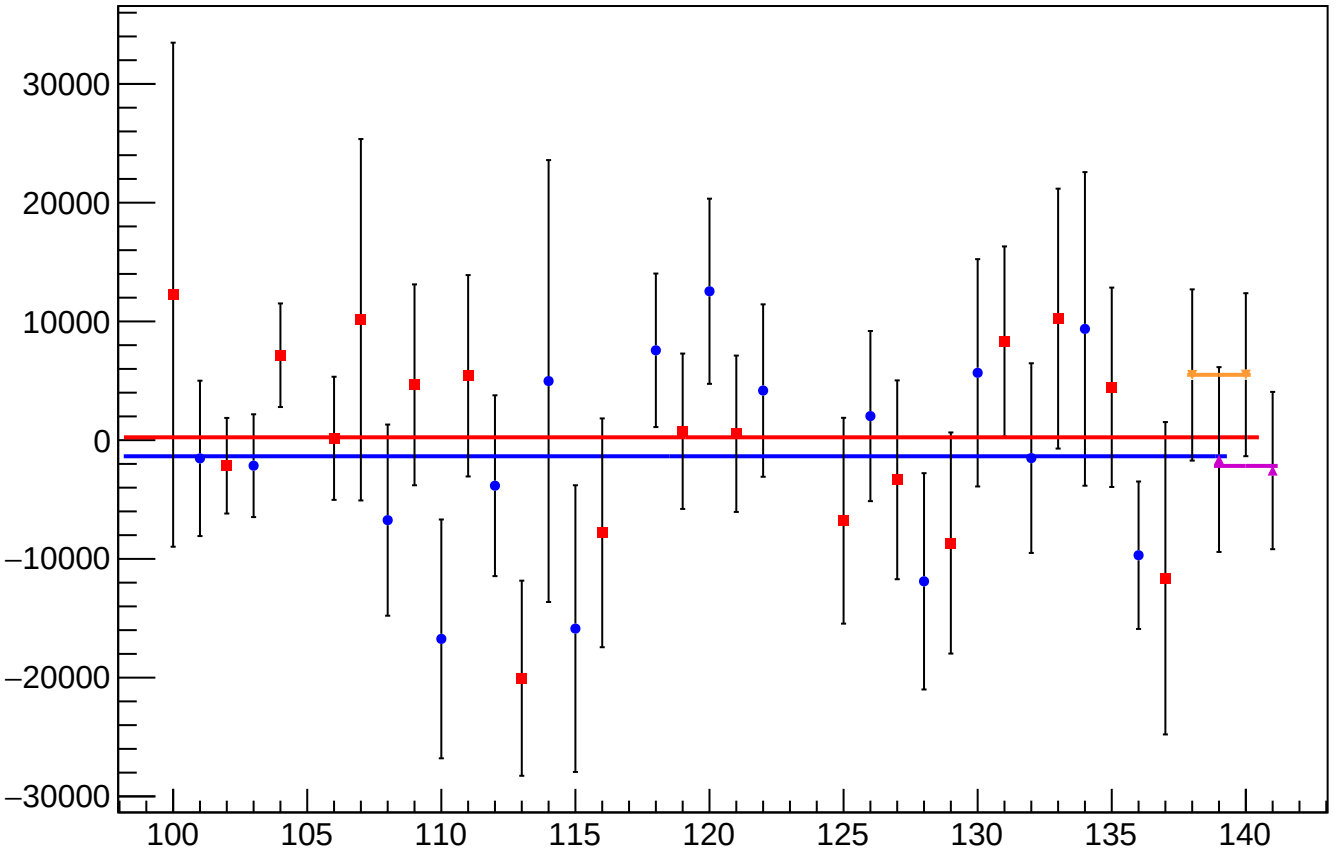
Left: 1919.579+/-0.741 χ^2/NDF: 1069.8/3

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1901.244+/-0.453 χ^2/NDF:278655.8/17

Out: 1909.449+/-0.459 χ^2/NDF:151300.8/19

All: 1905.291+/-0.322 χ^2/NDF: 430118.5/37



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 5502.342+/-4971.262 χ^2/NDF:0.0/1

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -2168.990+/-5044.342 χ^2/NDF:0.0/1

Left: 1722.648+/-3540.768 χ^2/NDF: 1.2/3

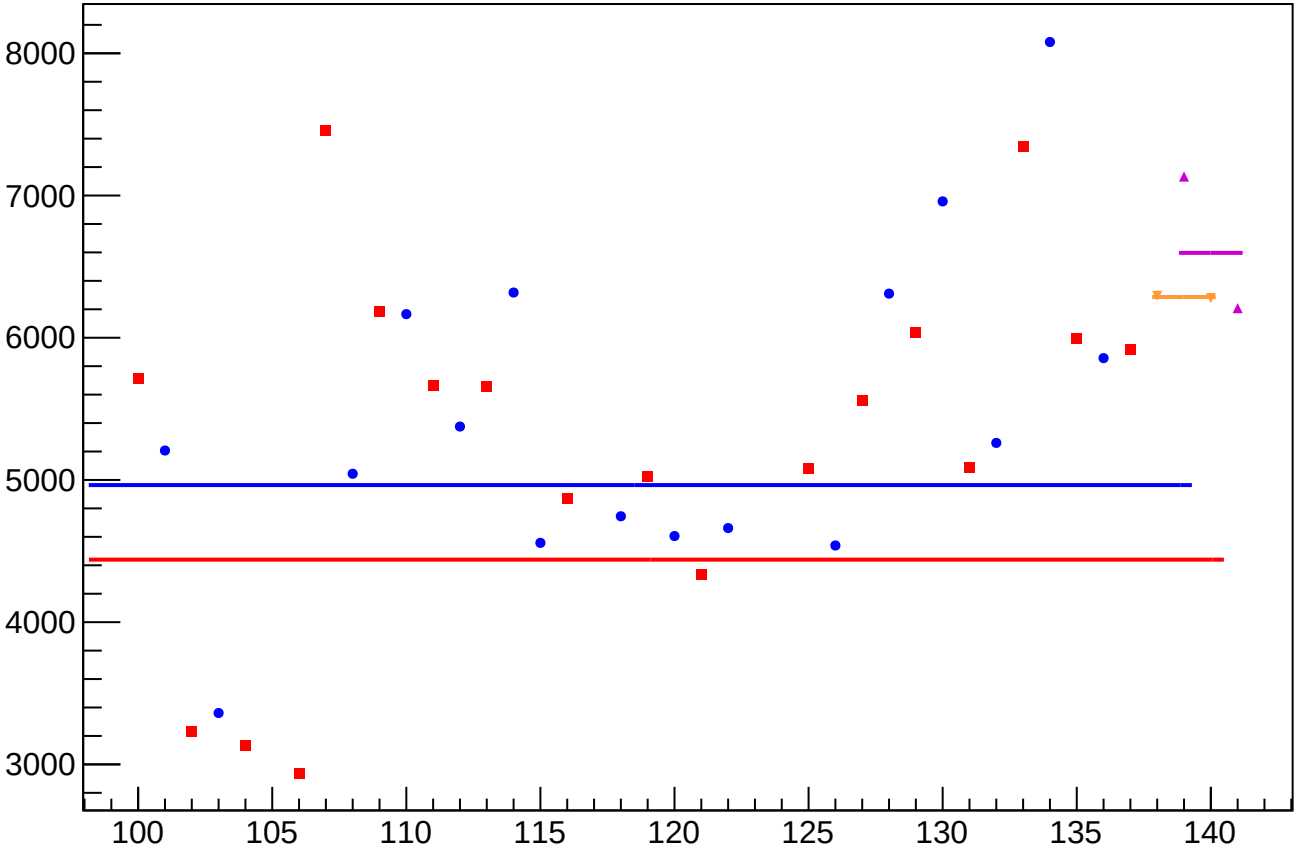
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -1457.166+/-1774.762 χ^2/NDF:14.7/17

Out: 799.356+/-1619.274 χ^2/NDF:16.7/19

All: -225.745+/-1196.200 χ^2/NDF: 32.4/37

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6286.215+/-3.515 χ^2/NDF:5.0/1

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6596.758+/-3.567 χ^2/NDF:16409.0/1

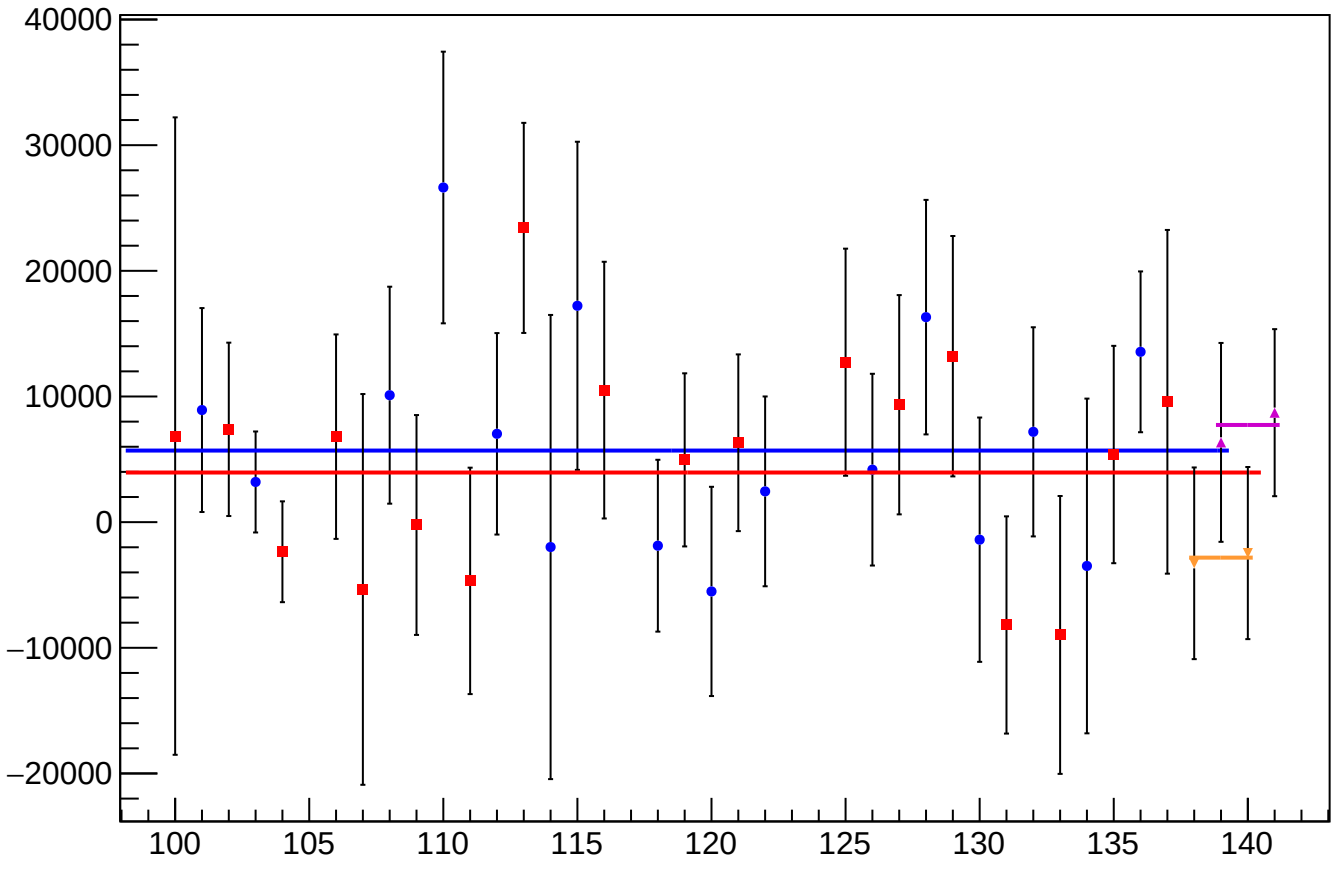
Left: 6439.221+/-2.504 χ^2/NDF: 20259.2/3

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5166.099+/-1.255 χ^2/NDF:827392.7/17

Out: 4635.579+/-1.145 χ^2/NDF:1405180.9/19

All: 4876.586+/-0.846 χ^2/NDF: 2330099.8/37



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -2824.009+/-5095.748 χ^2/NDF:0.0/1

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 7734.199+/-5089.884 χ^2/NDF:0.1/1

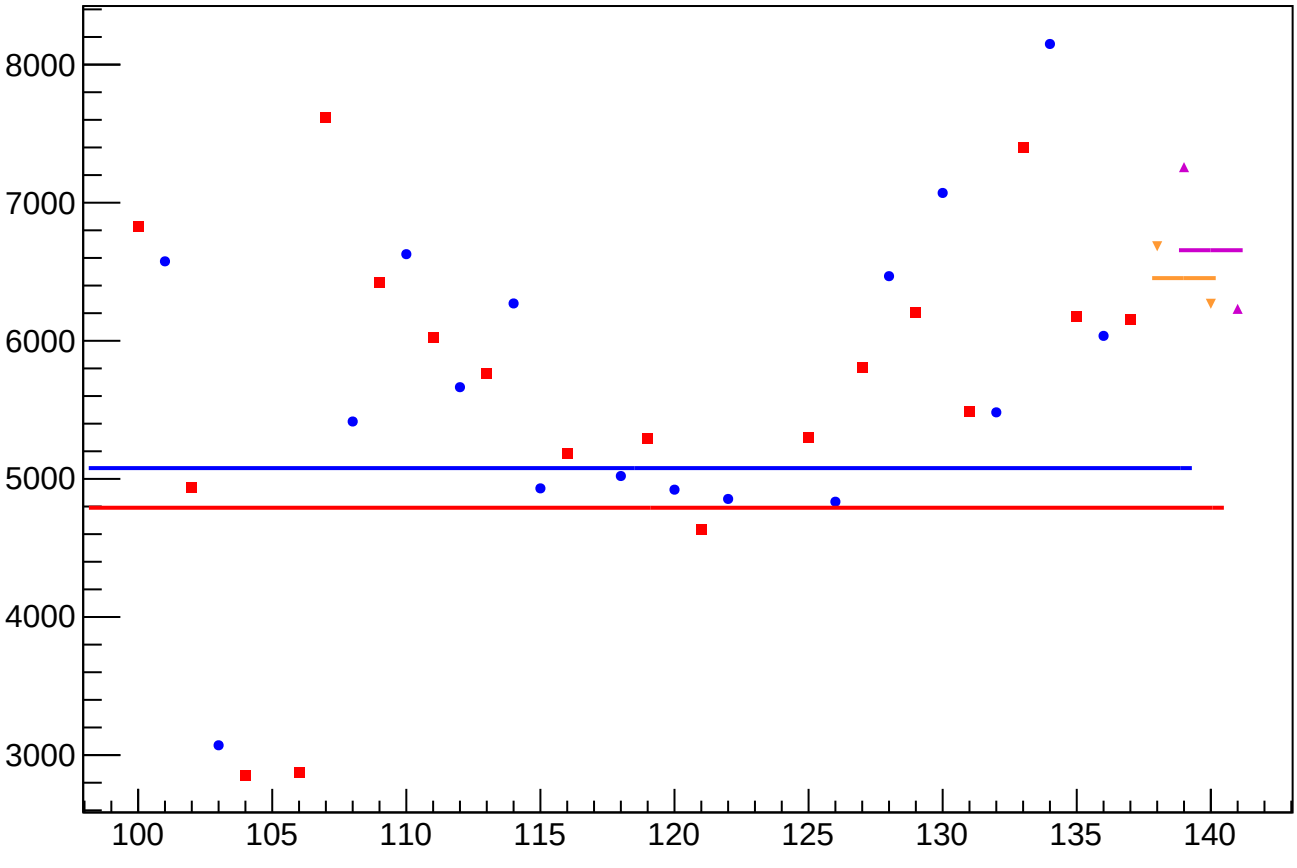
Left: 2461.174+/-3601.163 χ^2/NDF: 2.2/3

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 5960.082+/-1828.435 χ^2/NDF:12.8/17

Out: 3106.892+/-1797.173 χ^2/NDF:17.7/19

All: 4508.887+/-1281.703 χ^2/NDF: 31.7/37



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6453.905+/-3.603 χ^2/NDF:3300.5/1

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6655.970+/-3.599 χ^2/NDF:19715.3/1

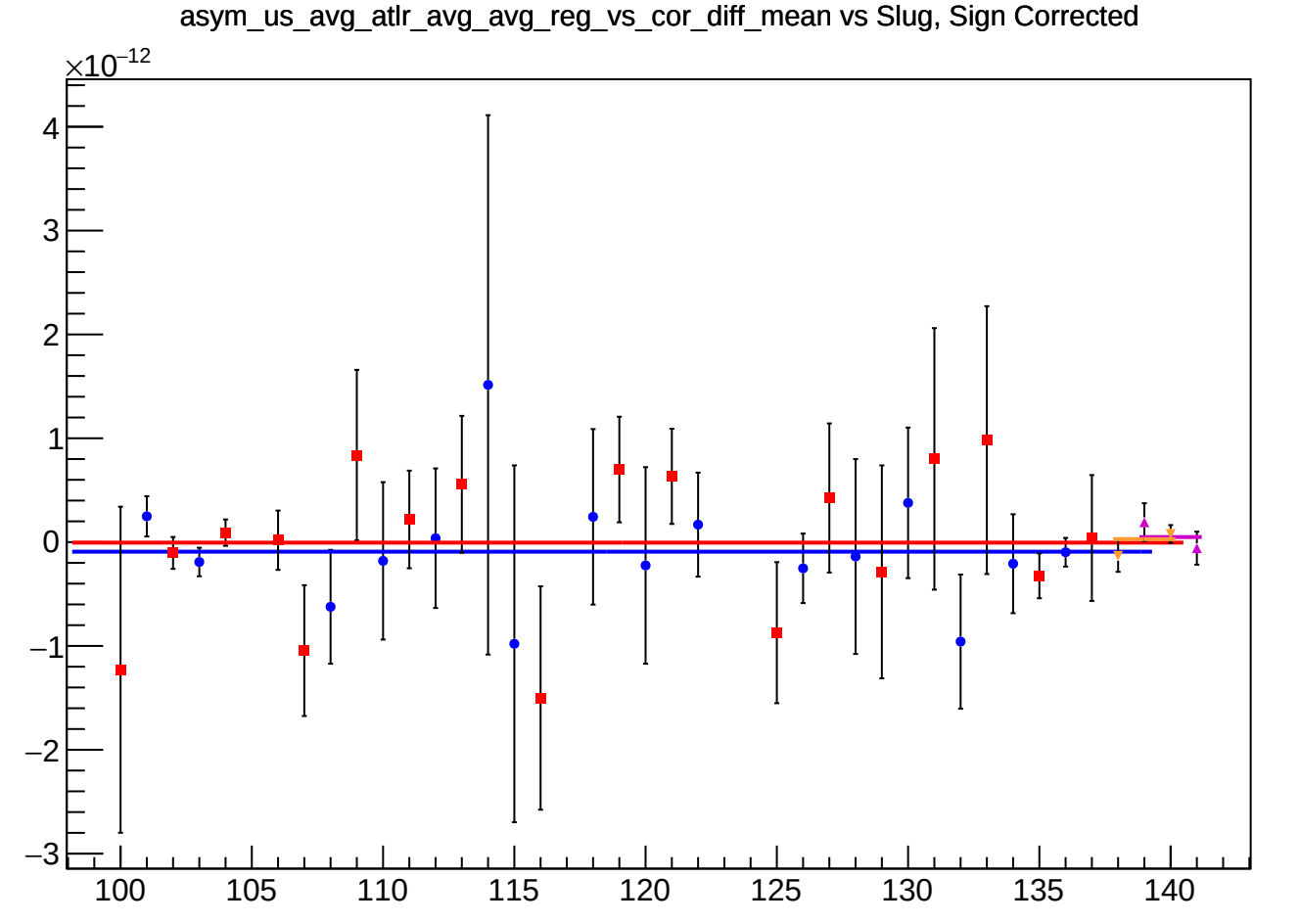
Left: 6555.054+/-2.546 χ^2/NDF: 24590.1/3

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5281.761+/-1.293 χ^2/NDF:1106312.1/17

Out: 4990.716+/-1.248 χ^2/NDF:1353143.8/19

All: 5131.134+/-0.898 χ^2/NDF: 2485682.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/1

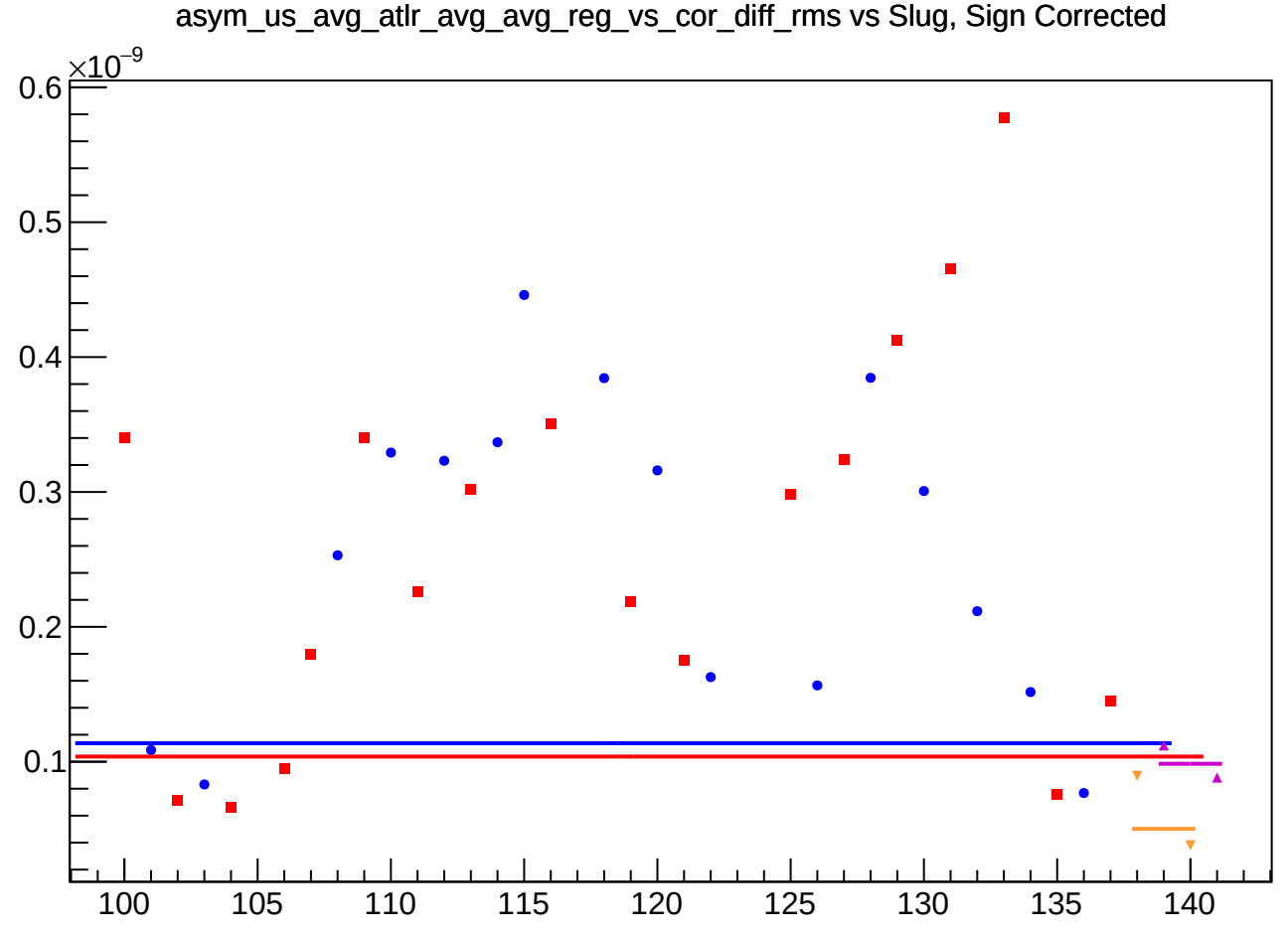
Left: 0.000+/-0.000 χ^2/NDF: 2.5/3

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:10.2/17

Out: 0.000+/-0.000 χ^2/NDF:18.9/19

All: -0.000+/-0.000 χ^2/NDF: 29.7/37



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:170739.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:19209.6/1

Left: 0.000+/-0.000 χ^2/NDF: 422190.4/3

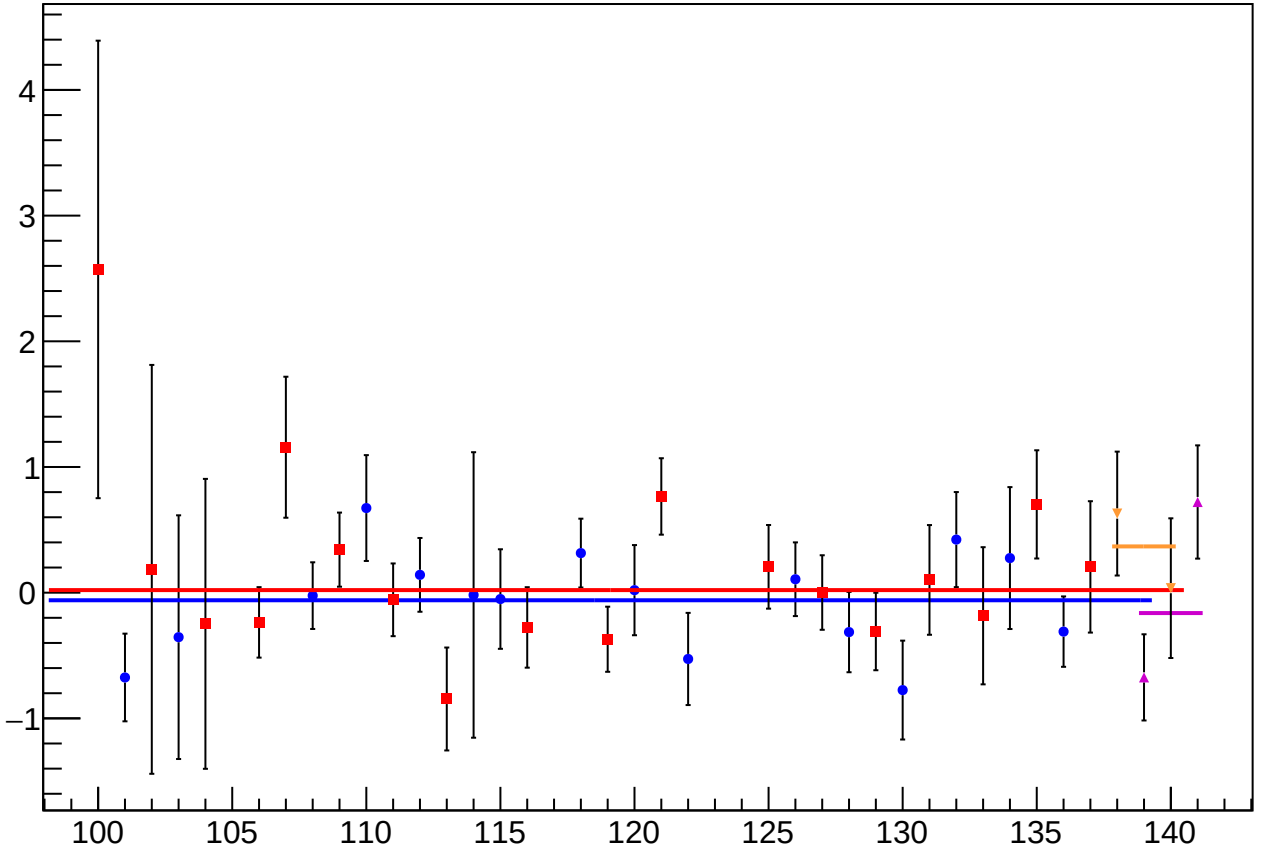
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:1566826.5/17

Out: 0.000+/-0.000 χ^2/NDF:2755128.8/19

All: 0.000+/-0.000 χ^2/NDF: 4626017.6/37

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.368+/-0.369 χ^2/NDF:0.6/1

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.273 χ^2/NDF:6.1/1

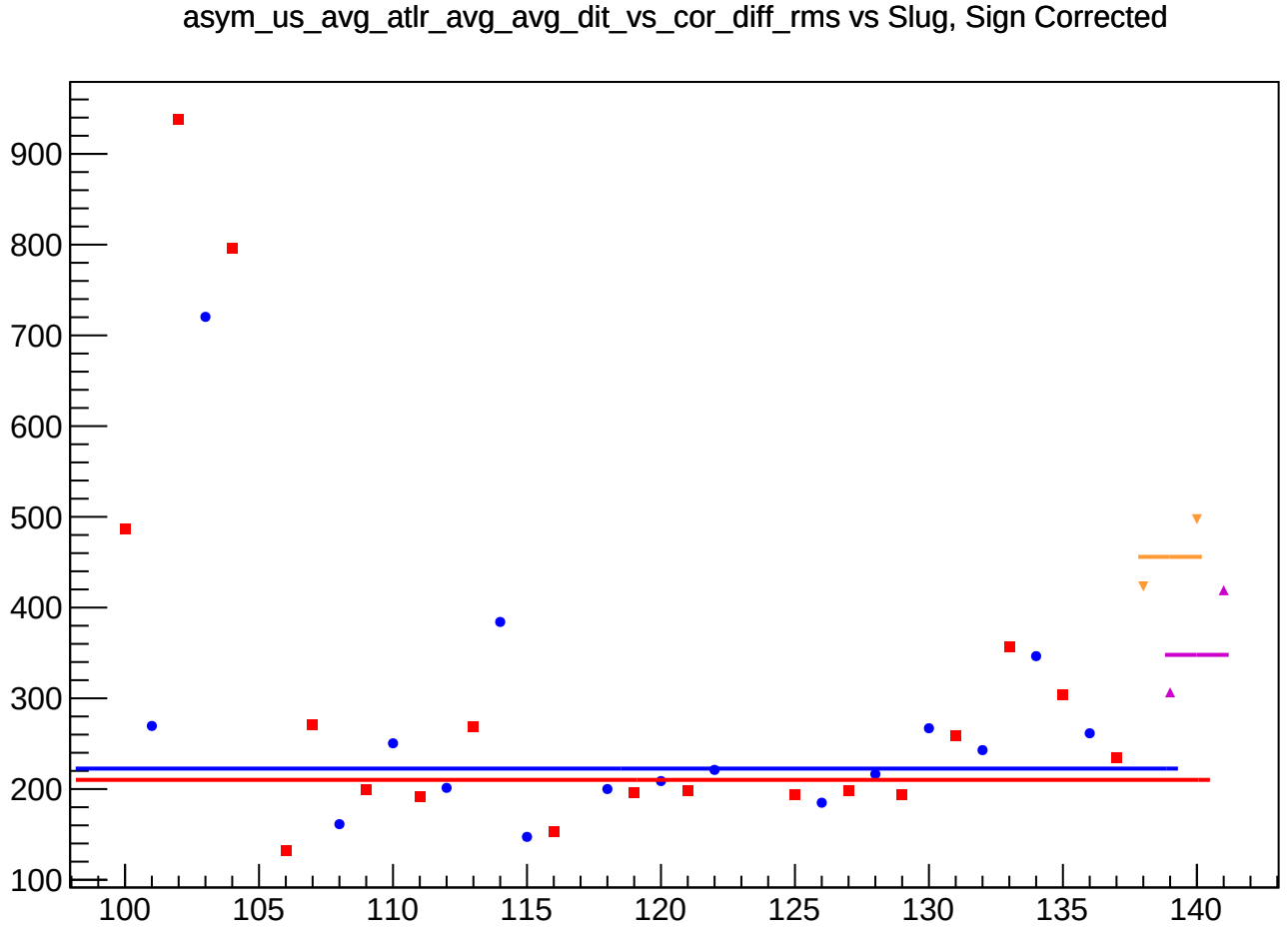
Left: 0.025+/-0.219 χ^2/NDF: 8.0/3

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.084 χ^2/NDF:23.5/17

Out: 0.039+/-0.085 χ^2/NDF:27.6/19

All: -0.016+/-0.060 χ^2/NDF: 51.9/37



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 455.909+/-0.261 χ^2/NDF:19864.7/1

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 347.896+/-0.193 χ^2/NDF:79019.5/1

Left: 386.113+/-0.155 χ^2/NDF: 209769.9/3

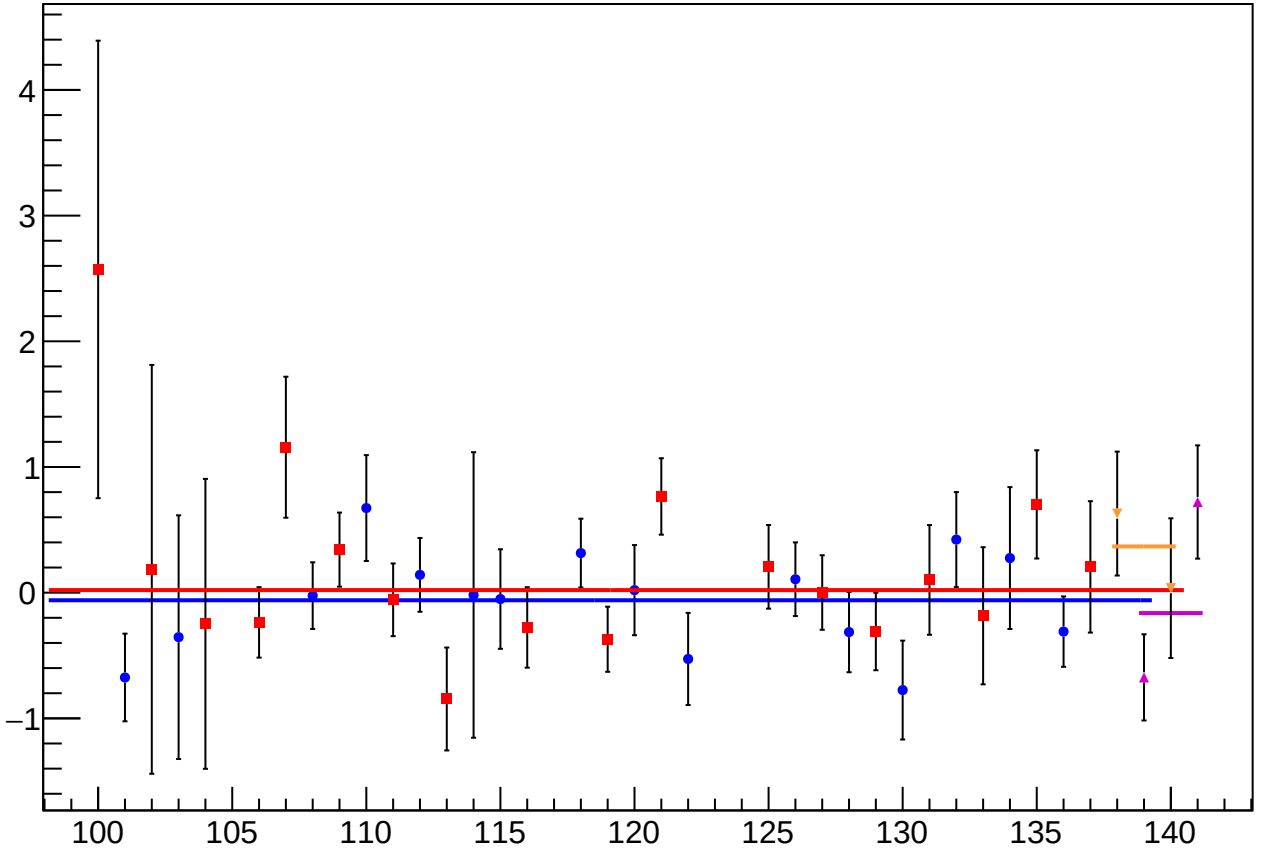
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 234.536+/-0.060 χ^2/NDF:1479422.8/17

Out: 223.204+/-0.060 χ^2/NDF:2409652.1/19

All: 228.921+/-0.042 χ^2/NDF: 3906975.2/37

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.368+/-0.369 χ^2/NDF:0.6/1

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.273 χ^2/NDF:6.1/1

Left: 0.025+/-0.219 χ^2/NDF: 8.0/3

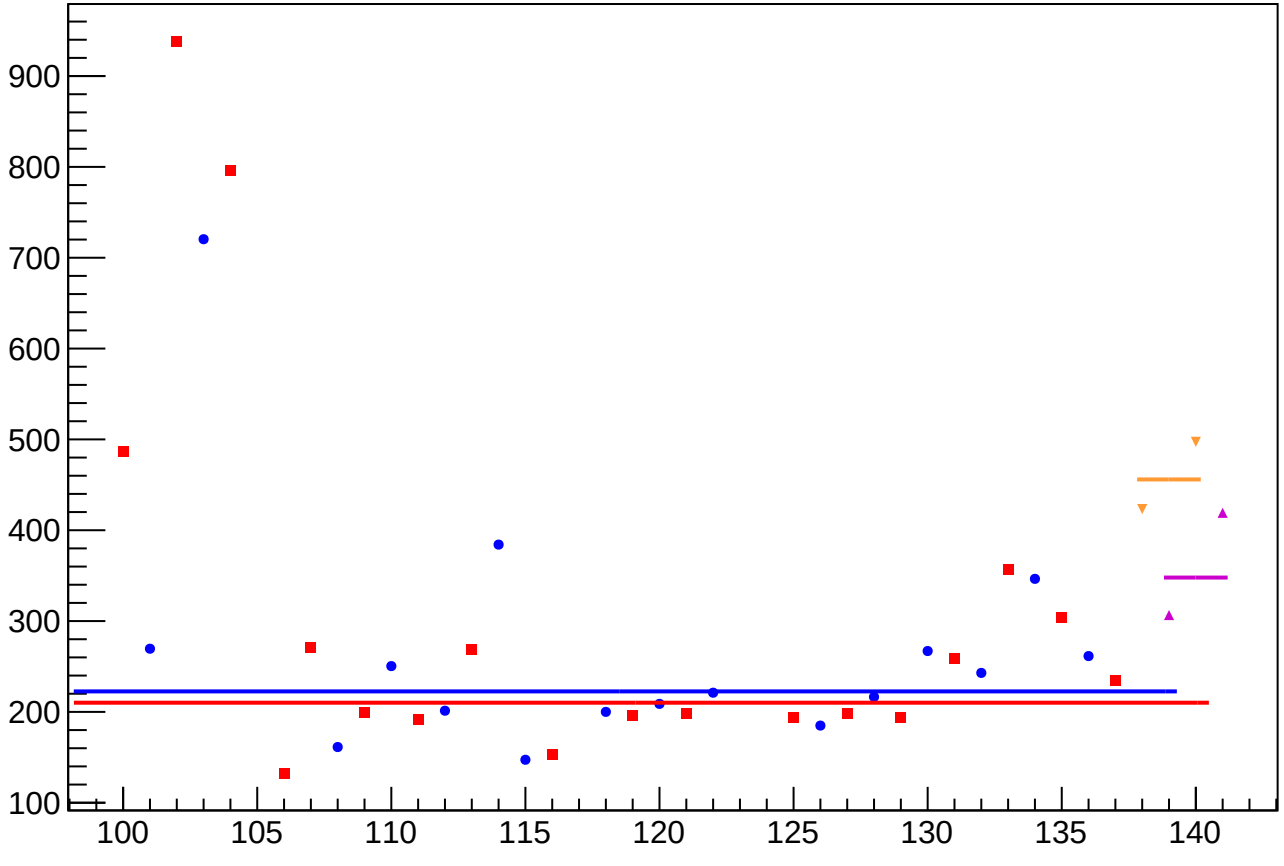
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.084 χ^2/NDF:23.5/17

Out: 0.039+/-0.085 χ^2/NDF:27.6/19

All: -0.016+/-0.060 χ^2/NDF: 51.9/37

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 455.909+/-0.261 χ^2/NDF:19864.7/1

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 347.896+/-0.193 χ^2/NDF:79019.5/1

Left: 386.113+/-0.155 χ^2/NDF: 209769.9/3

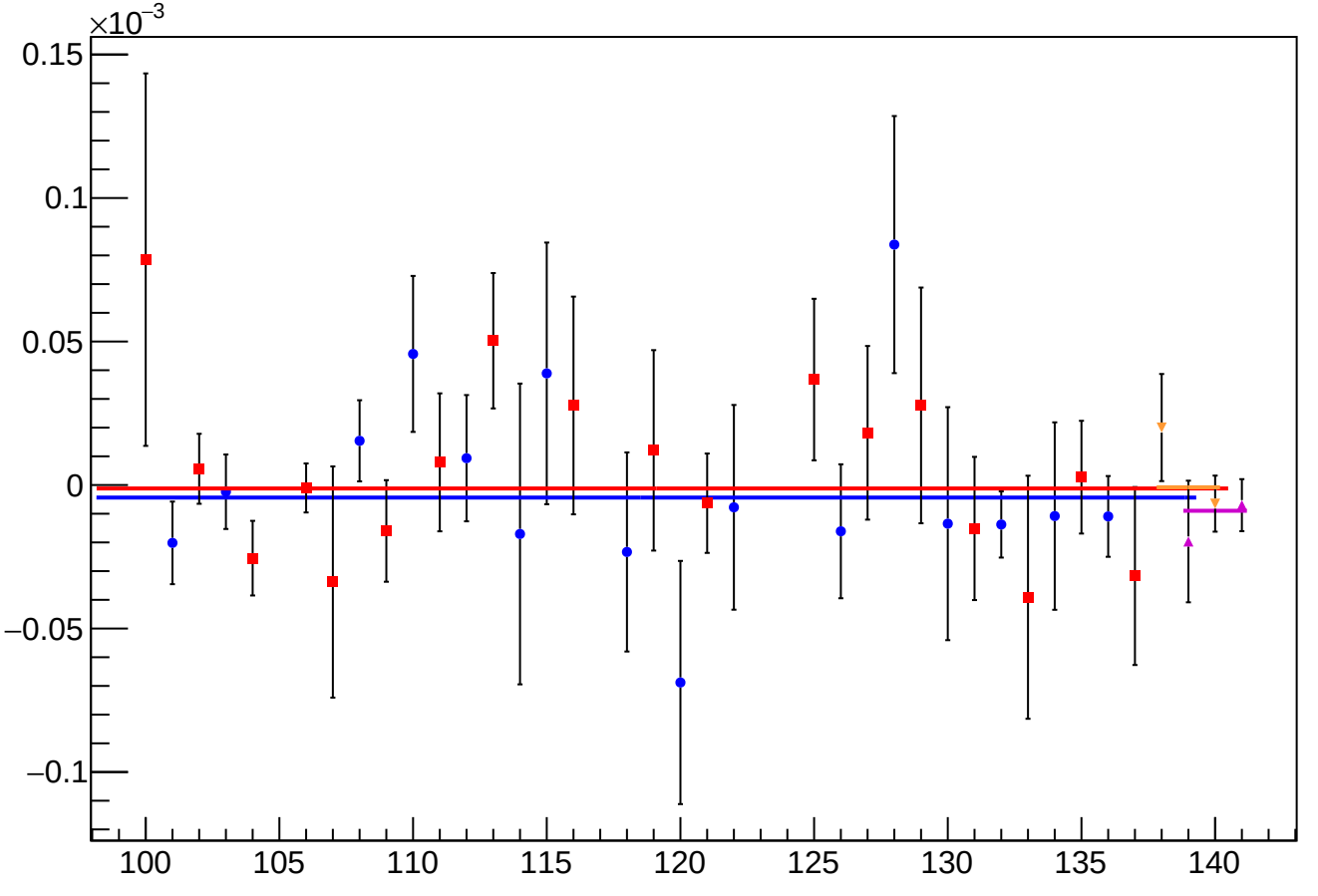
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 234.536+/-0.060 χ^2/NDF:1479422.8/17

Out: 223.204+/-0.060 χ^2/NDF:2409652.1/19

All: 228.921+/-0.042 χ^2/NDF: 3906975.2/37

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

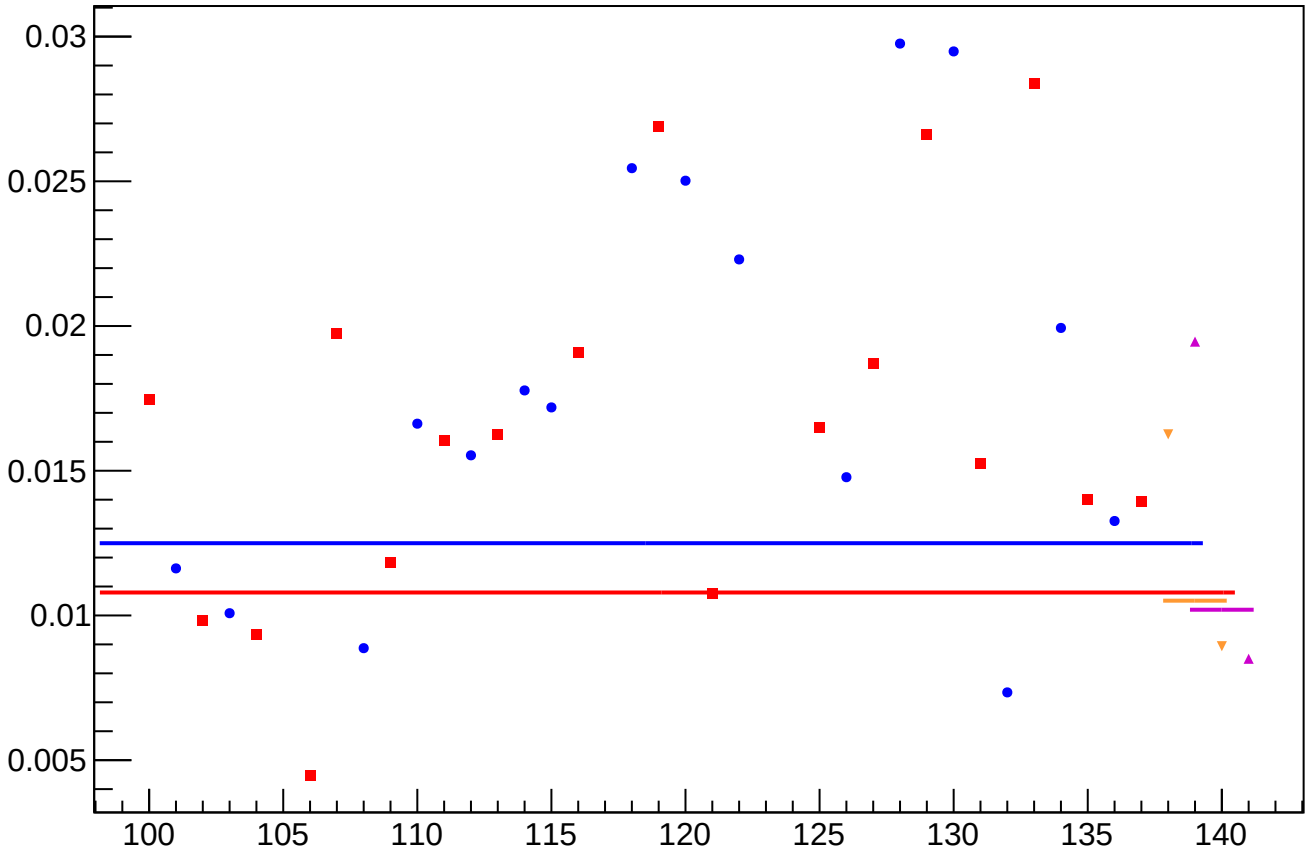
Left: -0.000+/-0.000 χ^2/NDF: 2.4/3

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:16.2/17

Out: -0.000+/-0.000 χ^2/NDF:18.8/19

All: -0.000+/-0.000 χ^2/NDF: 35.6/37



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:241593.7/1

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.010+/-0.000 χ^2/NDF:452198.9/1

Left: 0.010+/-0.000 χ^2/NDF: 695151.4/3

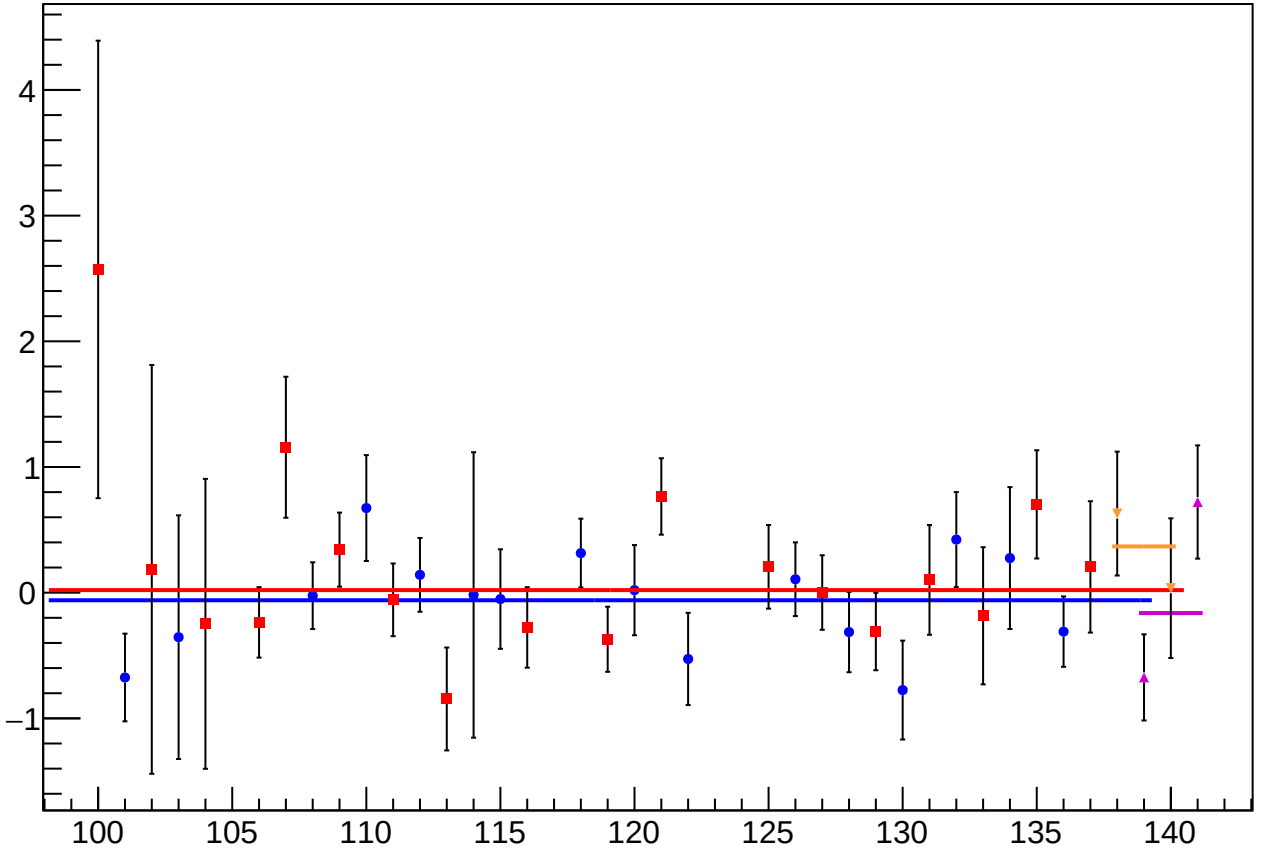
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.012+/-0.000 χ^2/NDF:2678098.0/17

Out: 0.011+/-0.000 χ^2/NDF:3231083.0/19

All: 0.011+/-0.000 χ^2/NDF: 5982998.3/37

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.368+/-0.369 χ^2/NDF:0.6/1

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.273 χ^2/NDF:6.1/1

Left: 0.025+/-0.219 χ^2/NDF: 8.0/3

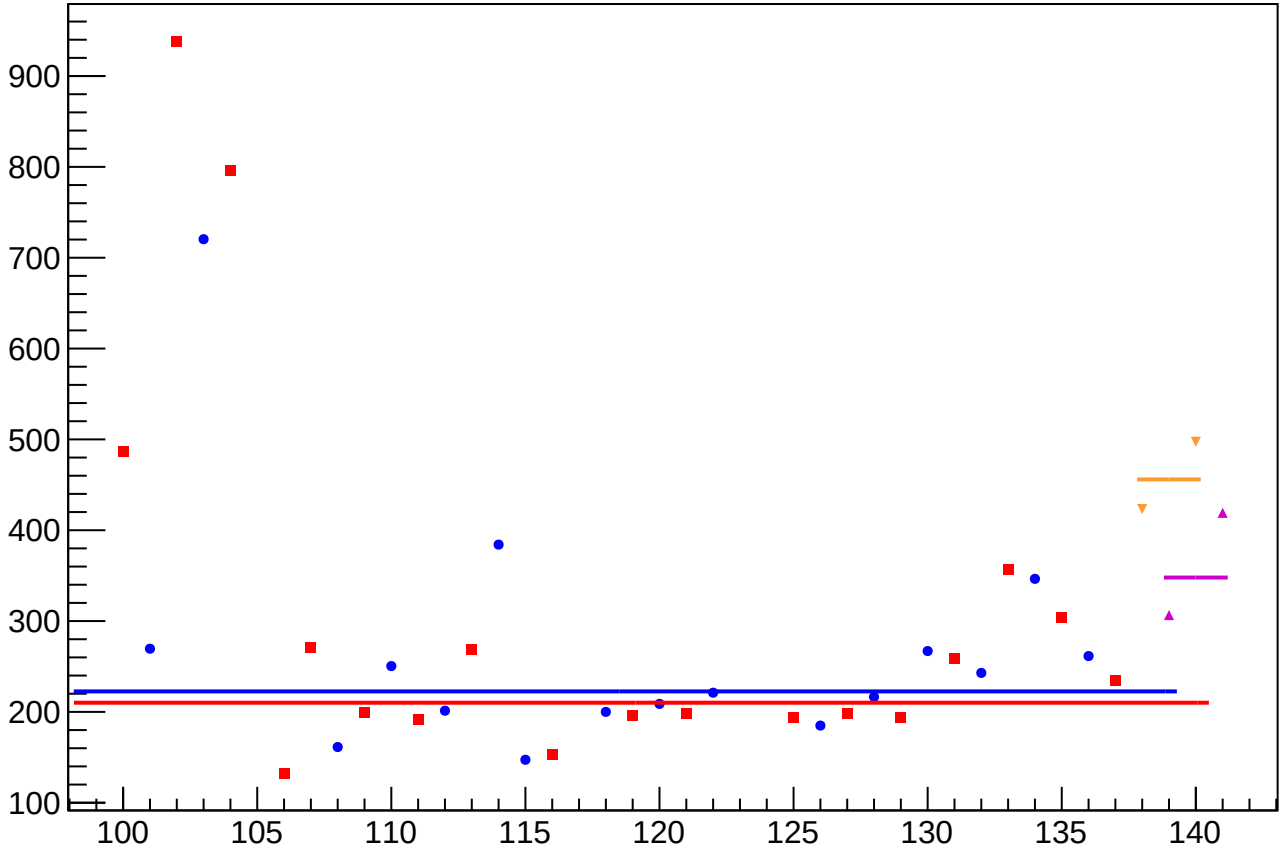
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.084 χ^2/NDF:23.5/17

Out: 0.039+/-0.085 χ^2/NDF:27.6/19

All: -0.016+/-0.060 χ^2/NDF: 51.9/37

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 455.912+/-0.261 χ^2/NDF:19863.8/1

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 347.902+/-0.193 χ^2/NDF:79010.5/1

Left: 386.119+/-0.155 χ^2/NDF: 209751.0/3

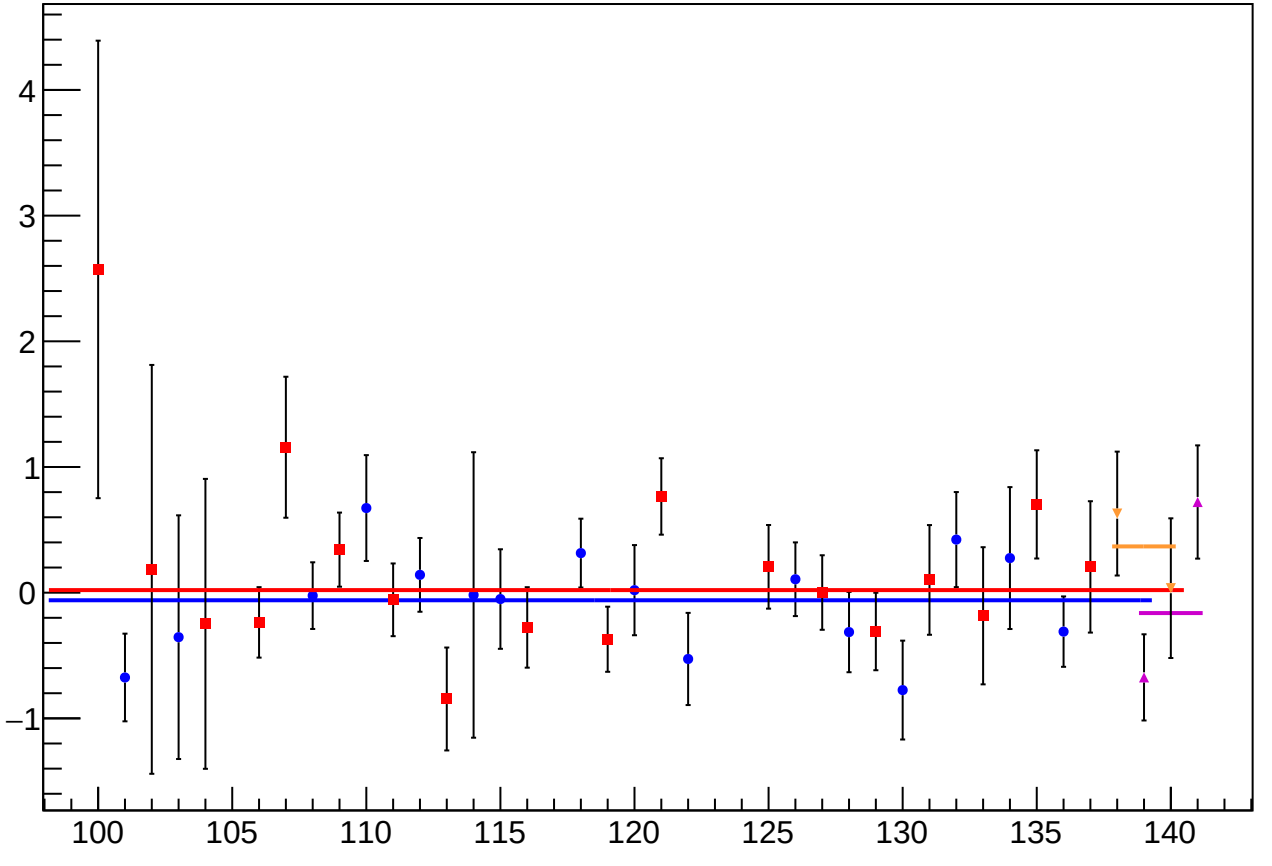
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 234.535+/-0.060 χ^2/NDF:1479437.7/17

Out: 223.202+/-0.060 χ^2/NDF:2409662.9/19

All: 228.918+/-0.042 χ^2/NDF: 3907005.0/37

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.368+/-0.369 χ^2/NDF:0.6/1

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.273 χ^2/NDF:6.1/1

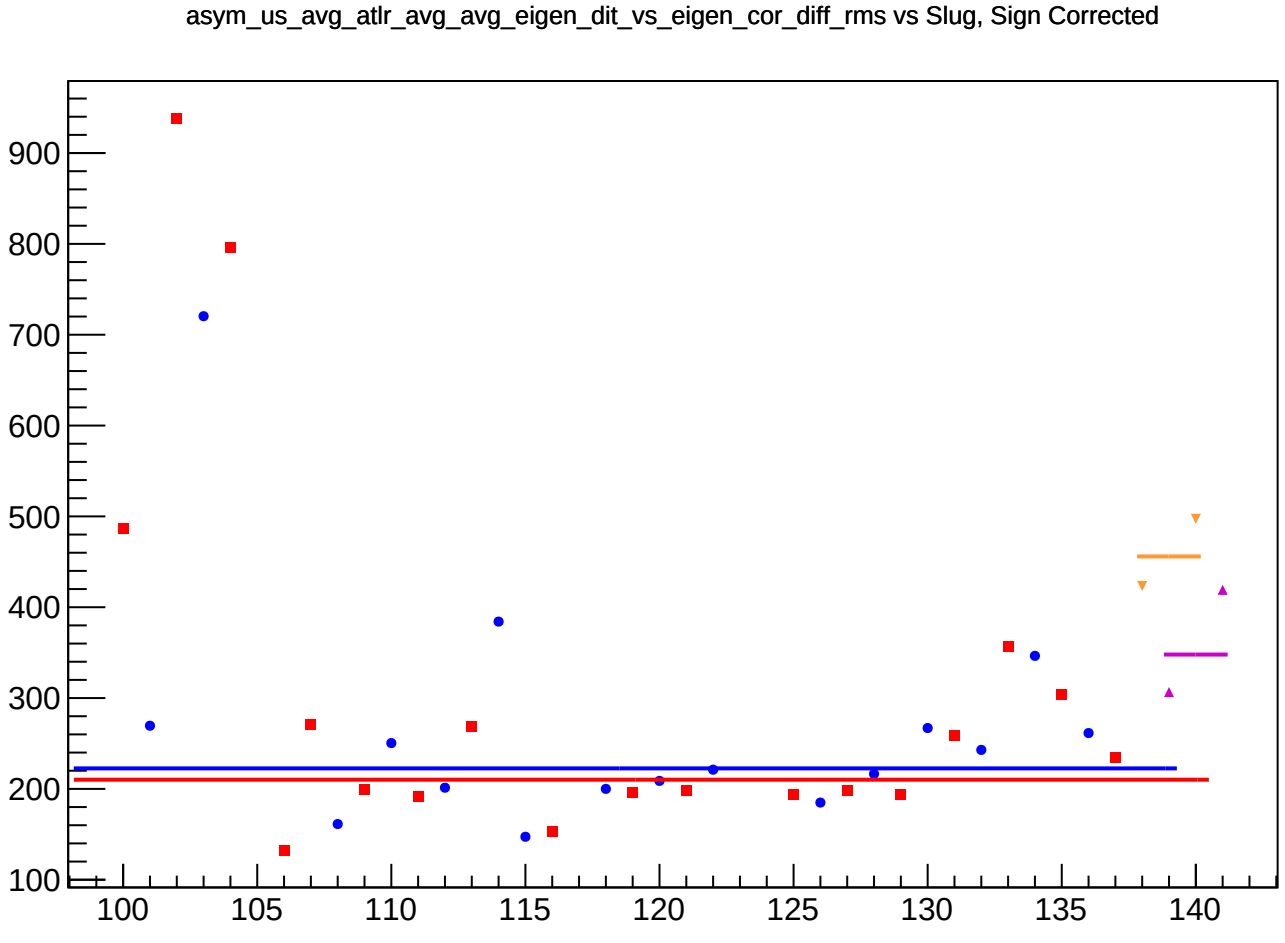
Left: 0.025+/-0.219 χ^2/NDF: 8.0/3

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.084 χ^2/NDF:23.5/17

Out: 0.039+/-0.085 χ^2/NDF:27.6/19

All: -0.016+/-0.060 χ^2/NDF: 51.9/37



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 455.912+/-0.261 χ^2/NDF:19863.8/1

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 347.902+/-0.193 χ^2/NDF:79010.5/1

Left: 386.119+/-0.155 χ^2/NDF: 209751.0/3

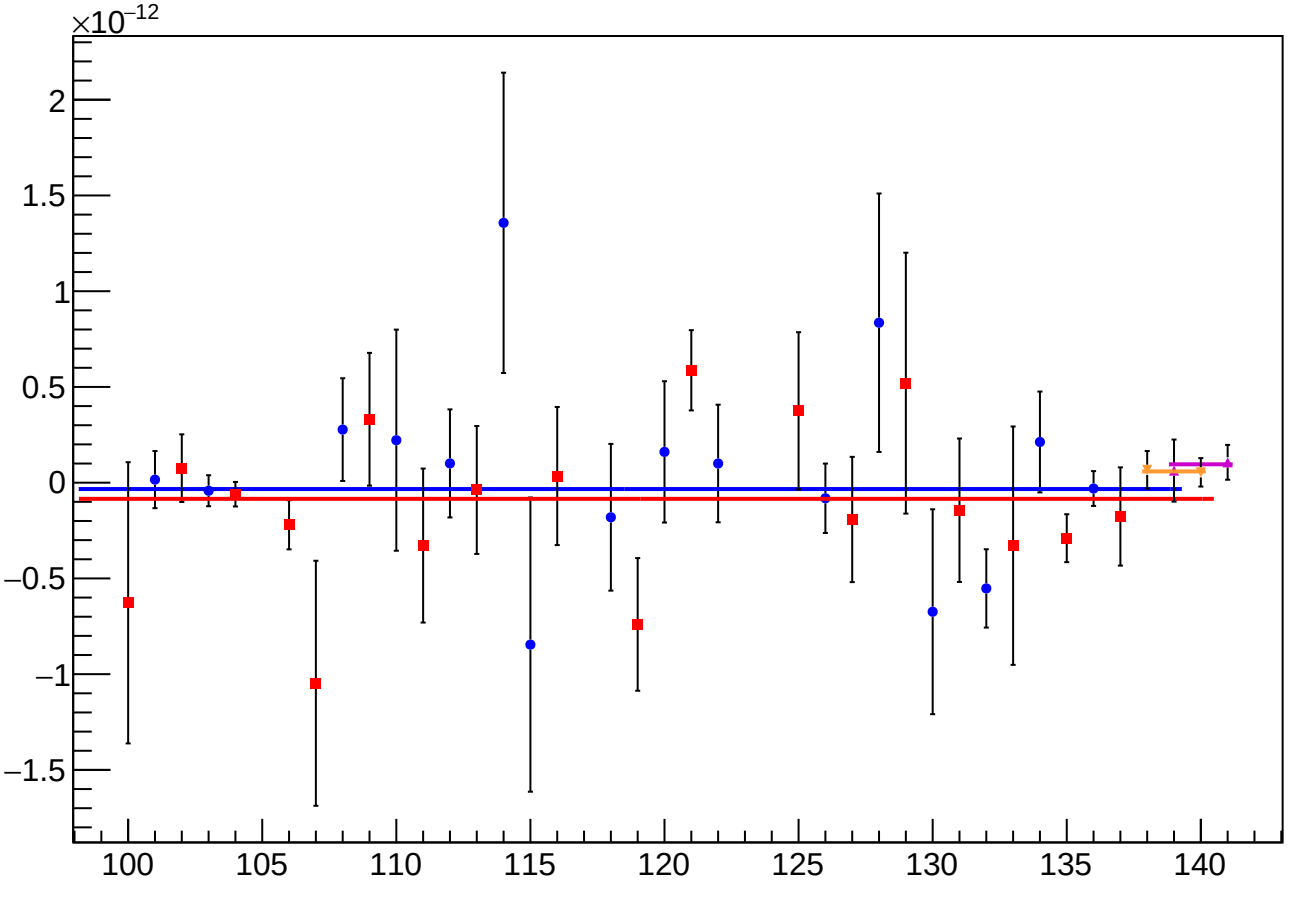
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 234.535+/-0.060 χ^2/NDF:1479437.7/17

Out: 223.202+/-0.060 χ^2/NDF:2409662.9/19

All: 228.918+/-0.042 χ^2/NDF: 3907005.0/37

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

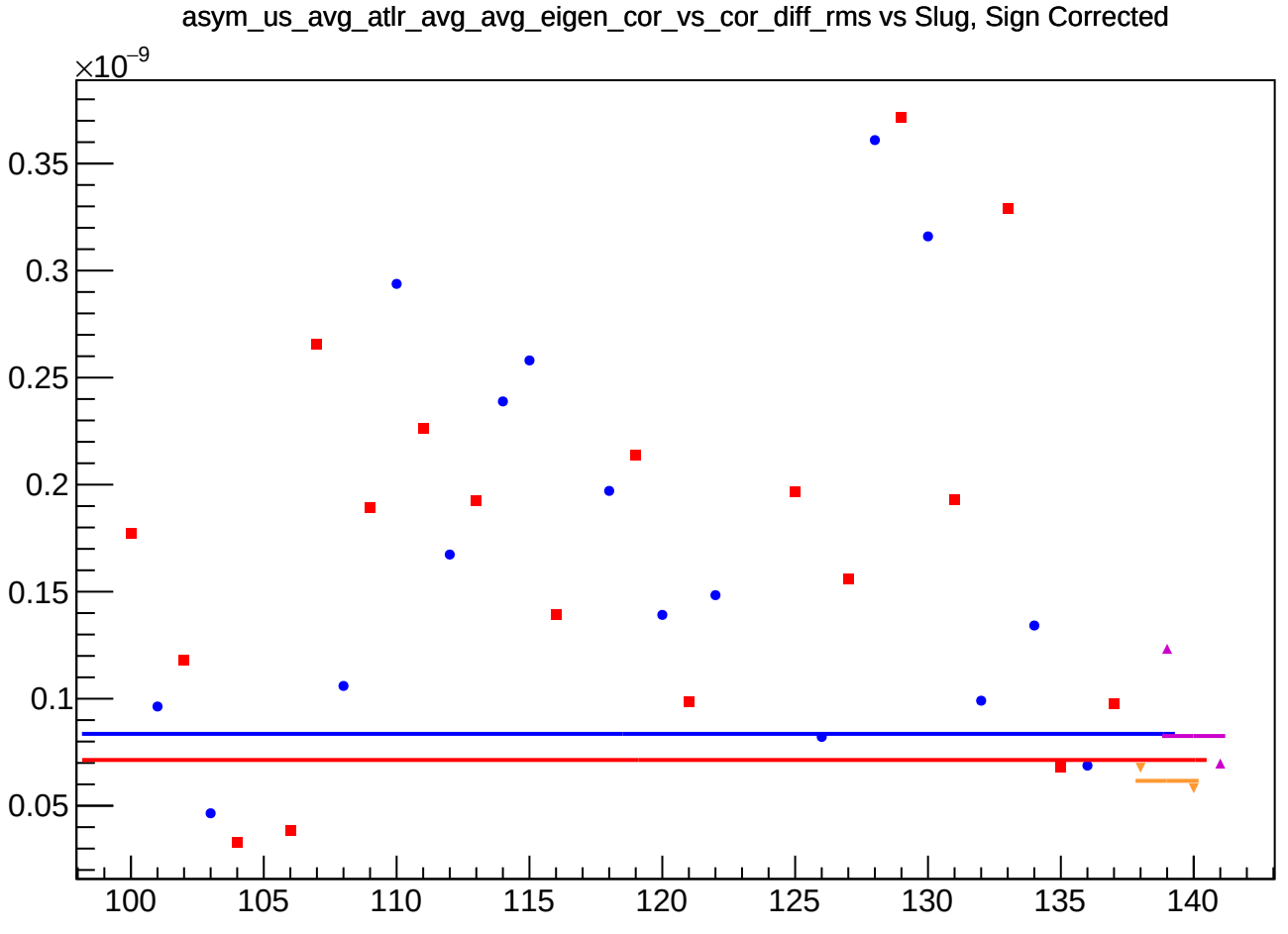
Left: 0.000+/-0.000 χ^2/NDF: 0.2/3

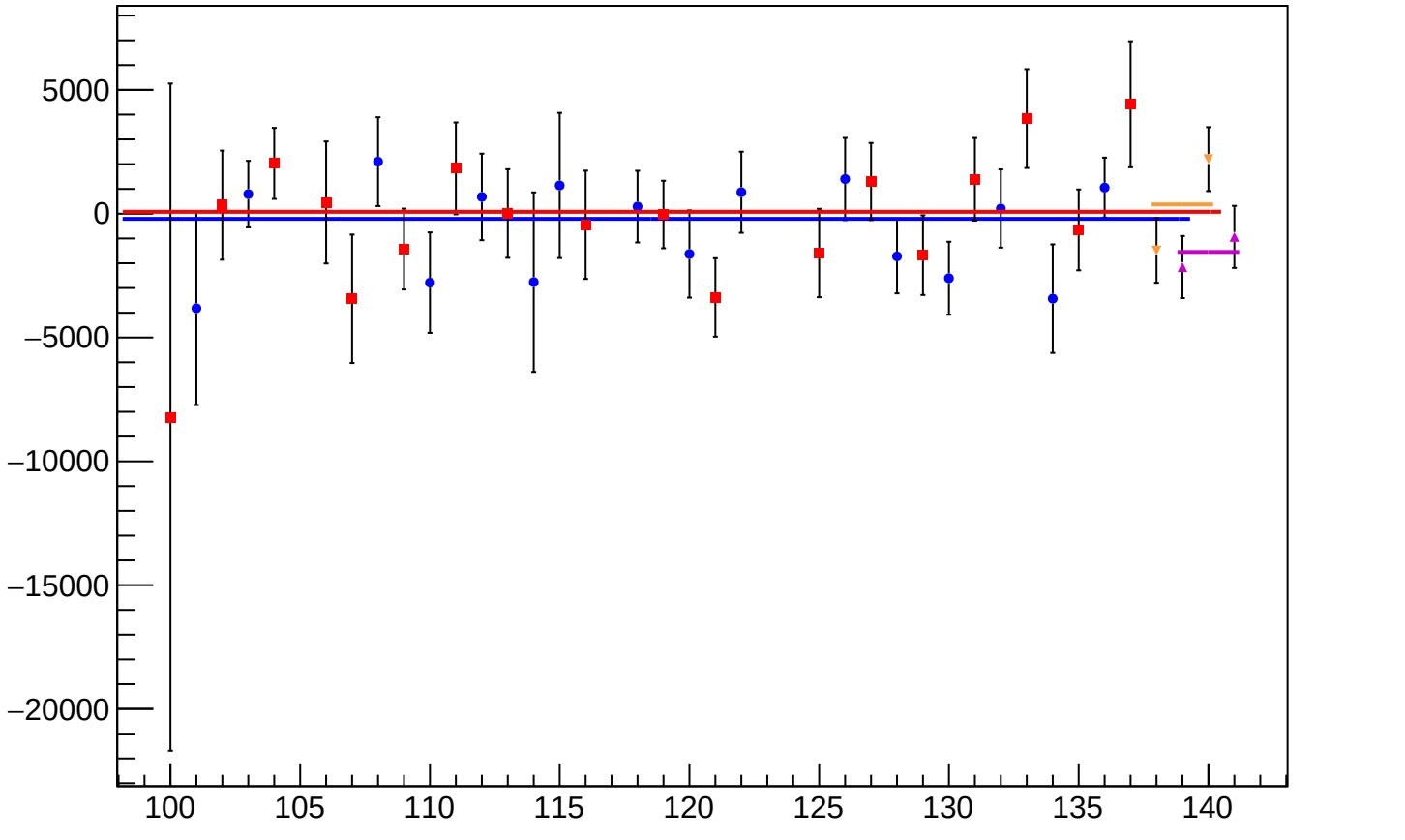
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: 0.000+/-0.000 χ^2/NDF:19.2/17

Out: -0.000+/-0.000 χ^2/NDF:29.6/19

All: -0.000+/-0.000 χ^2/NDF: 49.2/37


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:12104.4/1
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:166274.0/1
Left: 0.000+/-0.000 χ²/NDF: 267688.9/3
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:2401943.7/17
Out: 0.000+/-0.000 χ²/NDF:3791850.4/19
All: 0.000+/-0.000 χ²/NDF: 6358000.4/37



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 376.172+/-916.778 χ^2/NDF:4.0/1

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -1544.692+/-886.721 χ^2/NDF:0.5/1

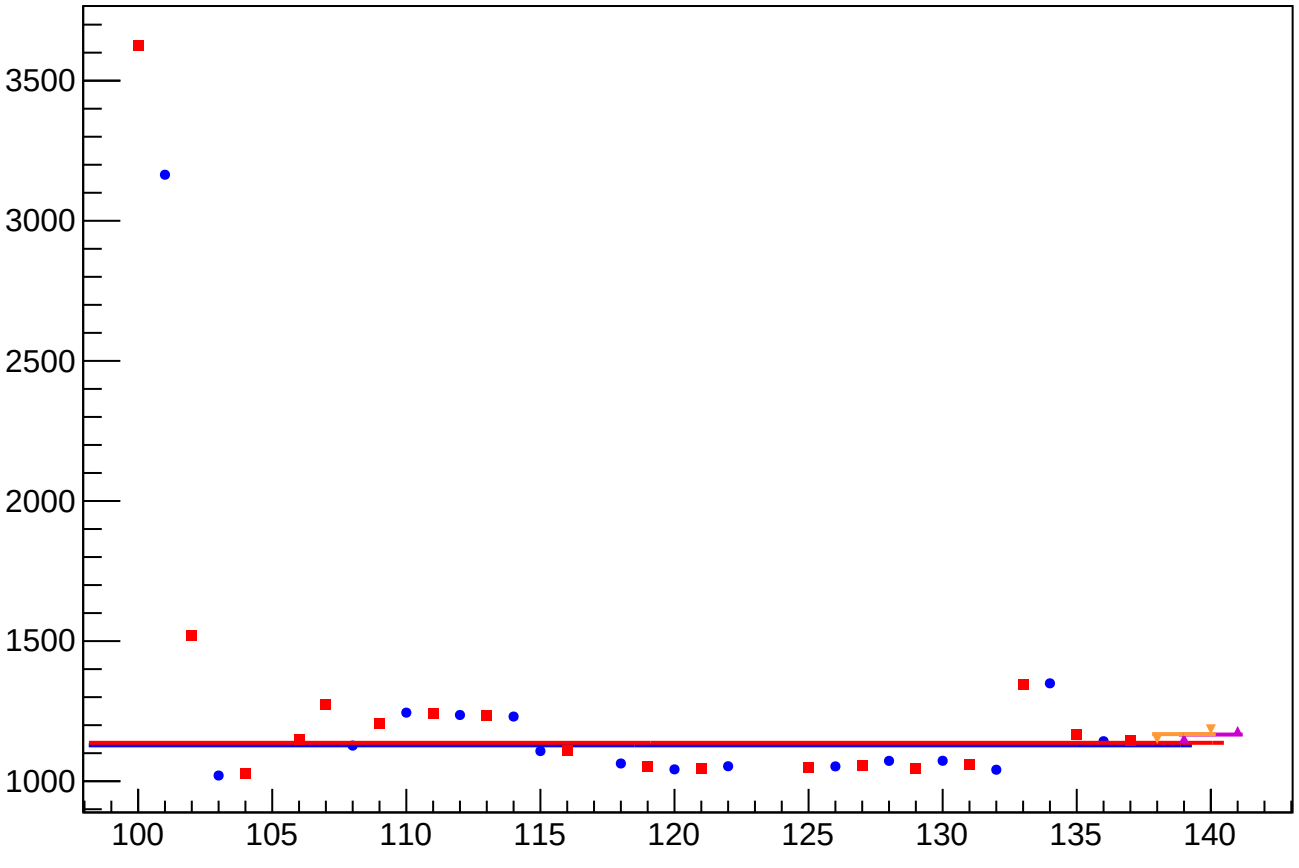
Left: -616.264+/-637.367 χ^2/NDF: 6.8/3

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -461.954+/-386.291 χ^2/NDF:17.1/17

Out: 129.970+/-389.869 χ^2/NDF:24.8/19

All: -168.720+/-274.405 χ^2/NDF: 43.0/37



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1168.059+/-0.648 χ^2/NDF:698.6/1

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1166.473+/-0.627 χ^2/NDF:423.8/1

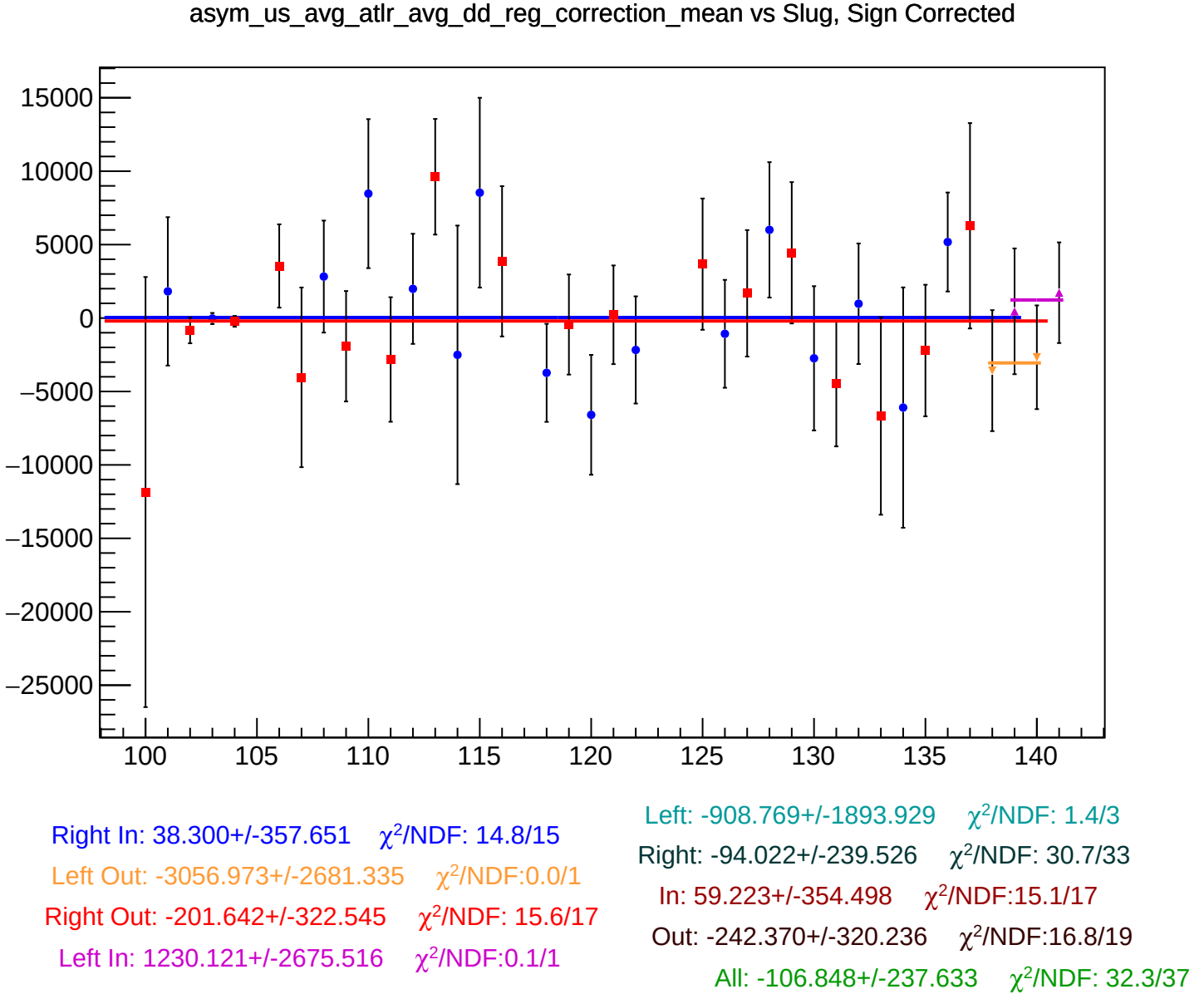
Left: 1167.239+/-0.451 χ^2/NDF: 1125.5/3

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

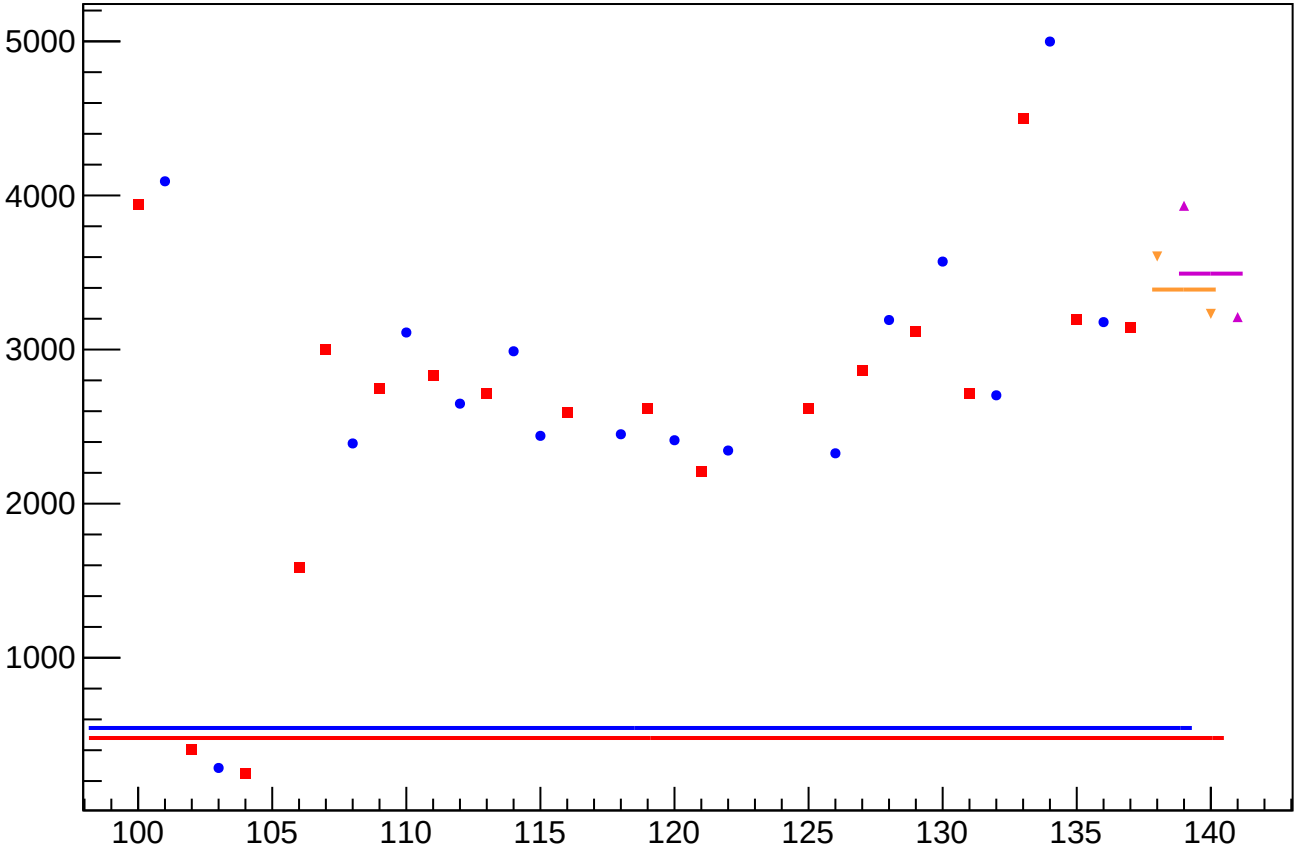
In: 1135.307+/-0.273 χ^2/NDF:624867.6/17

Out: 1142.634+/-0.275 χ^2/NDF:222661.4/19

All: 1138.942+/-0.194 χ^2/NDF: 847885.9/37


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
105
110
115
120
125
130
135
140
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: -3056.973+/-2681.335 χ²/NDF:0.0/1
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: 1230.121+/-2675.516 χ²/NDF:0.1/1
Left: -908.769+/-1893.929 χ²/NDF: 1.4/3
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: 59.223+/-354.498 χ²/NDF:15.1/17
Out: -242.370+/-320.236 χ²/NDF:16.8/19
All: -106.848+/-237.633 χ²/NDF: 32.3/37

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3389.371+/-1.896 χ^2/NDF:9422.9/1

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3492.715+/-1.892 χ^2/NDF:34682.6/1

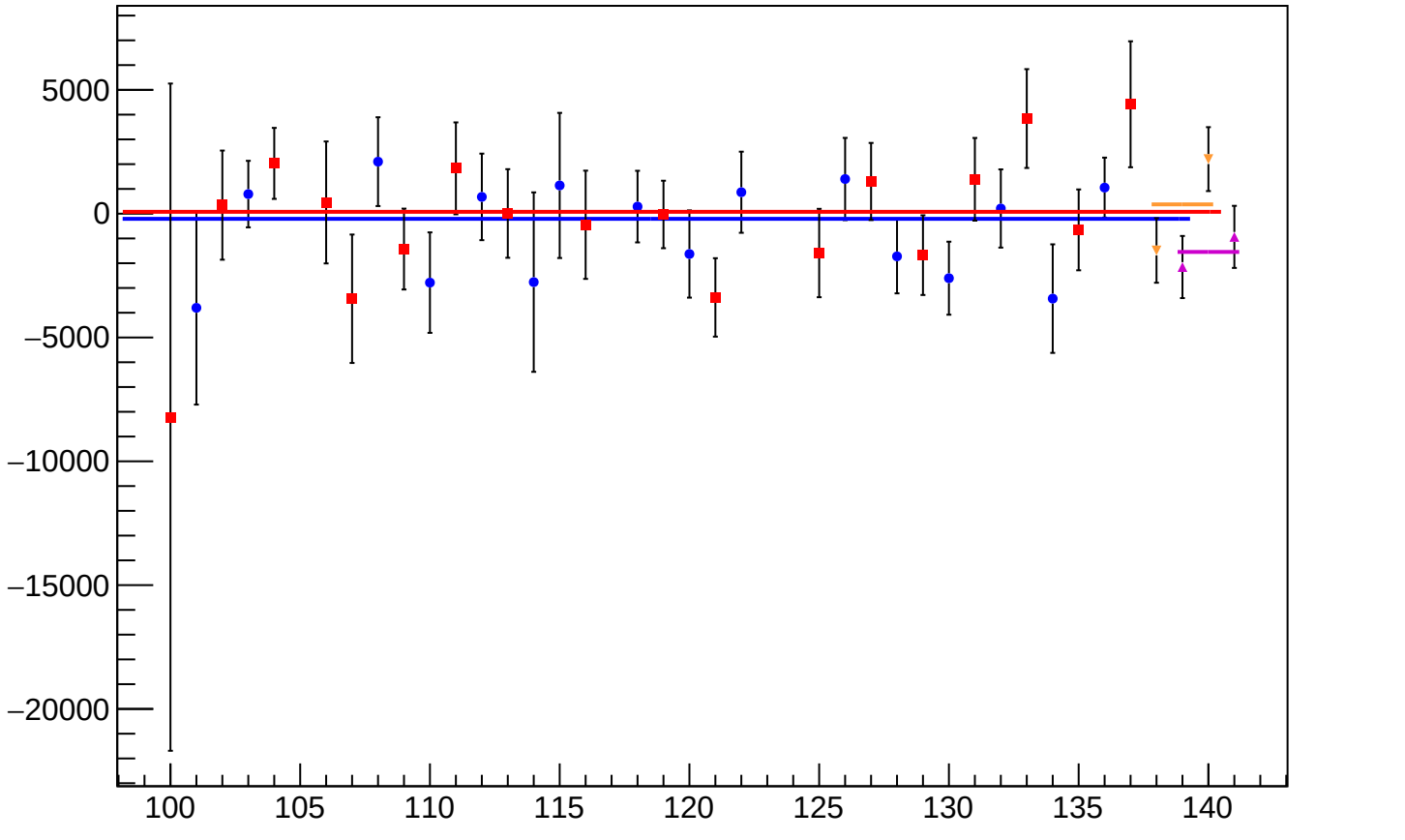
Left: 3441.155+/-1.339 χ^2/NDF: 45594.1/3

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 596.096+/-0.251 χ^2/NDF:12103755.5/17

Out: 520.762+/-0.226 χ^2/NDF:11519663.1/19

All: 554.614+/-0.168 χ^2/NDF: 23673152.6/37



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 376.168+/-916.778 χ^2/NDF:4.0/1

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -1544.884+/-886.721 χ^2/NDF:0.5/1

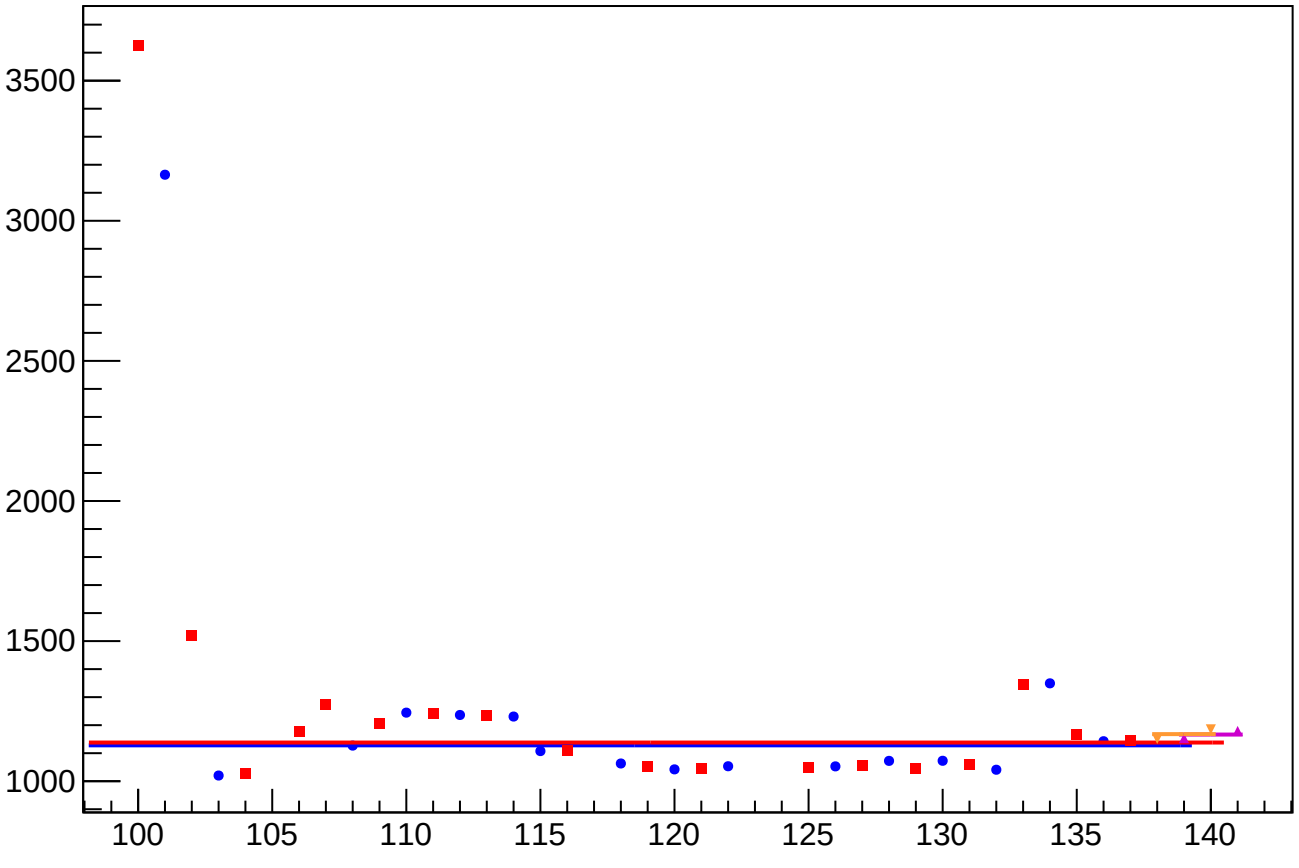
Left: -616.365+/-637.367 χ^2/NDF: 6.8/3

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -461.806+/-386.291 χ^2/NDF:17.1/17

Out: 130.088+/-389.869 χ^2/NDF:24.8/19

All: -168.587+/-274.405 χ^2/NDF: 43.0/37



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1168.059+/-0.648 χ^2/NDF:698.6/1

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1166.473+/-0.627 χ^2/NDF:423.8/1

Left: 1167.239+/-0.451 χ^2/NDF: 1125.5/3

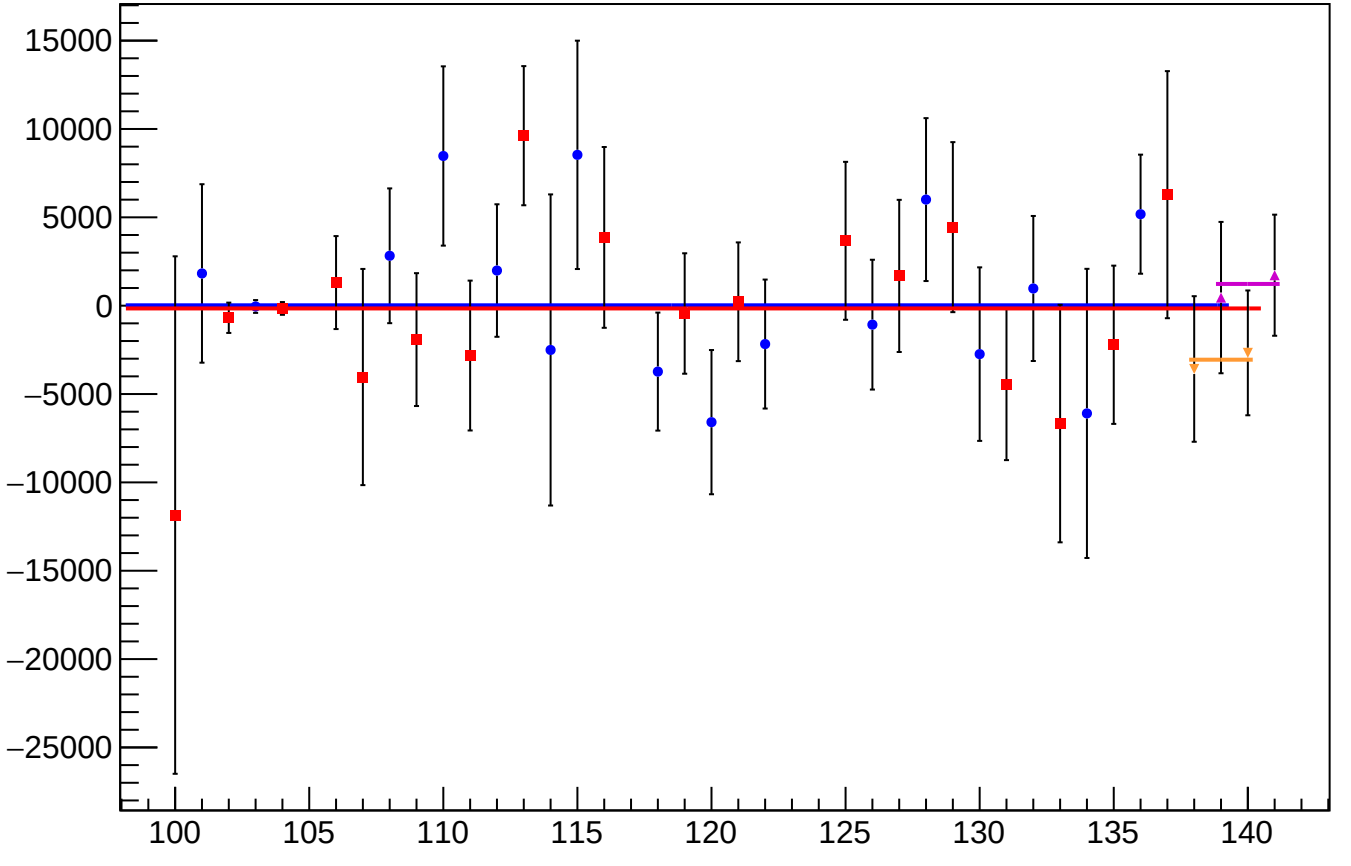
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1135.307+/-0.273 χ^2/NDF:624868.7/17

Out: 1143.431+/-0.276 χ^2/NDF:223084.7/19

All: 1139.333+/-0.194 χ^2/NDF: 848391.8/37

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -3056.938+/-2681.329 χ^2/NDF:0.0/1

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 1230.183+/-2675.520 χ^2/NDF:0.1/1

Left: -908.729+/-1893.929 χ^2/NDF: 1.4/3

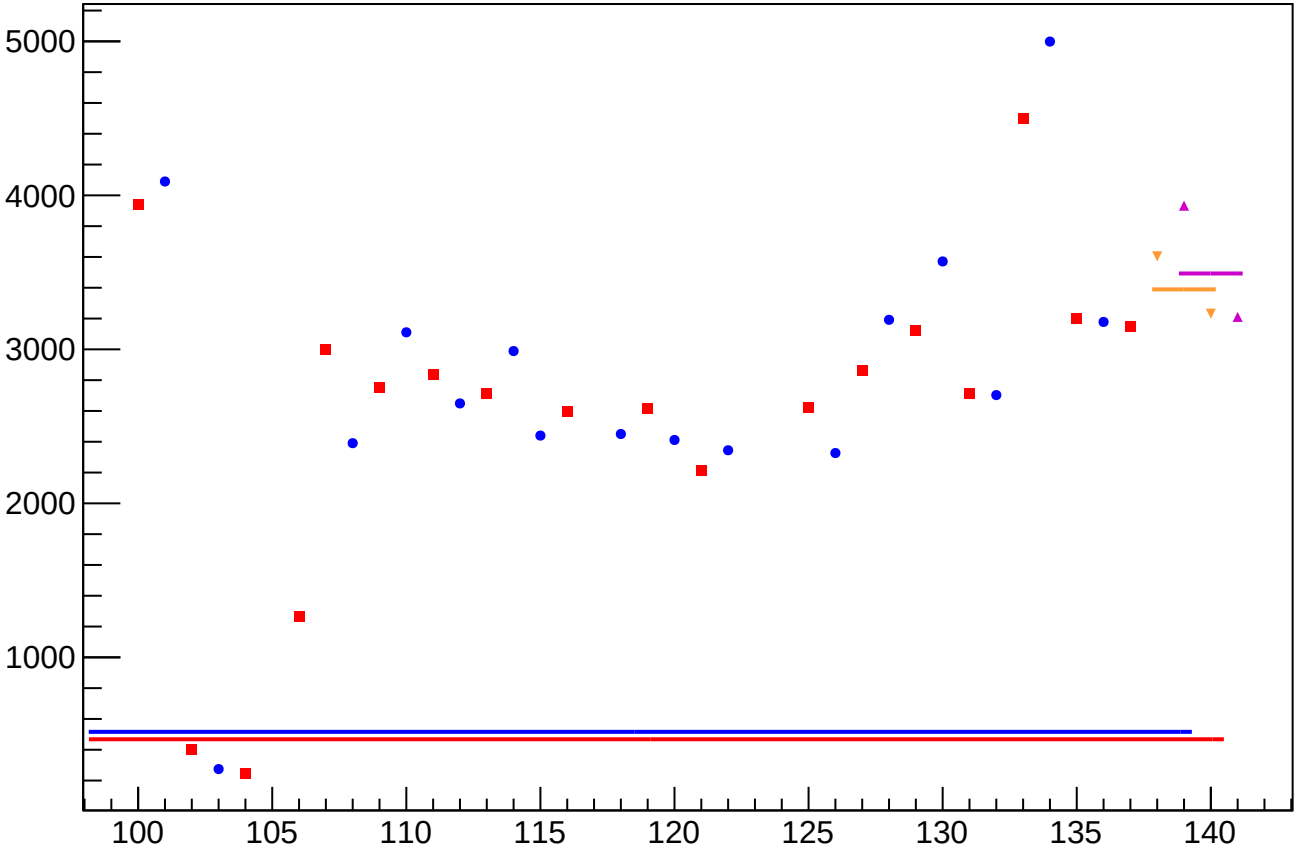
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 41.358+/-341.704 χ^2/NDF:15.1/17

Out: -196.307+/-315.167 χ^2/NDF:15.2/19

All: -87.060+/-231.671 χ^2/NDF: 30.6/37

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3389.362+/-1.896 χ^2/NDF:9423.1/1

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3492.720+/-1.892 χ^2/NDF:34682.7/1

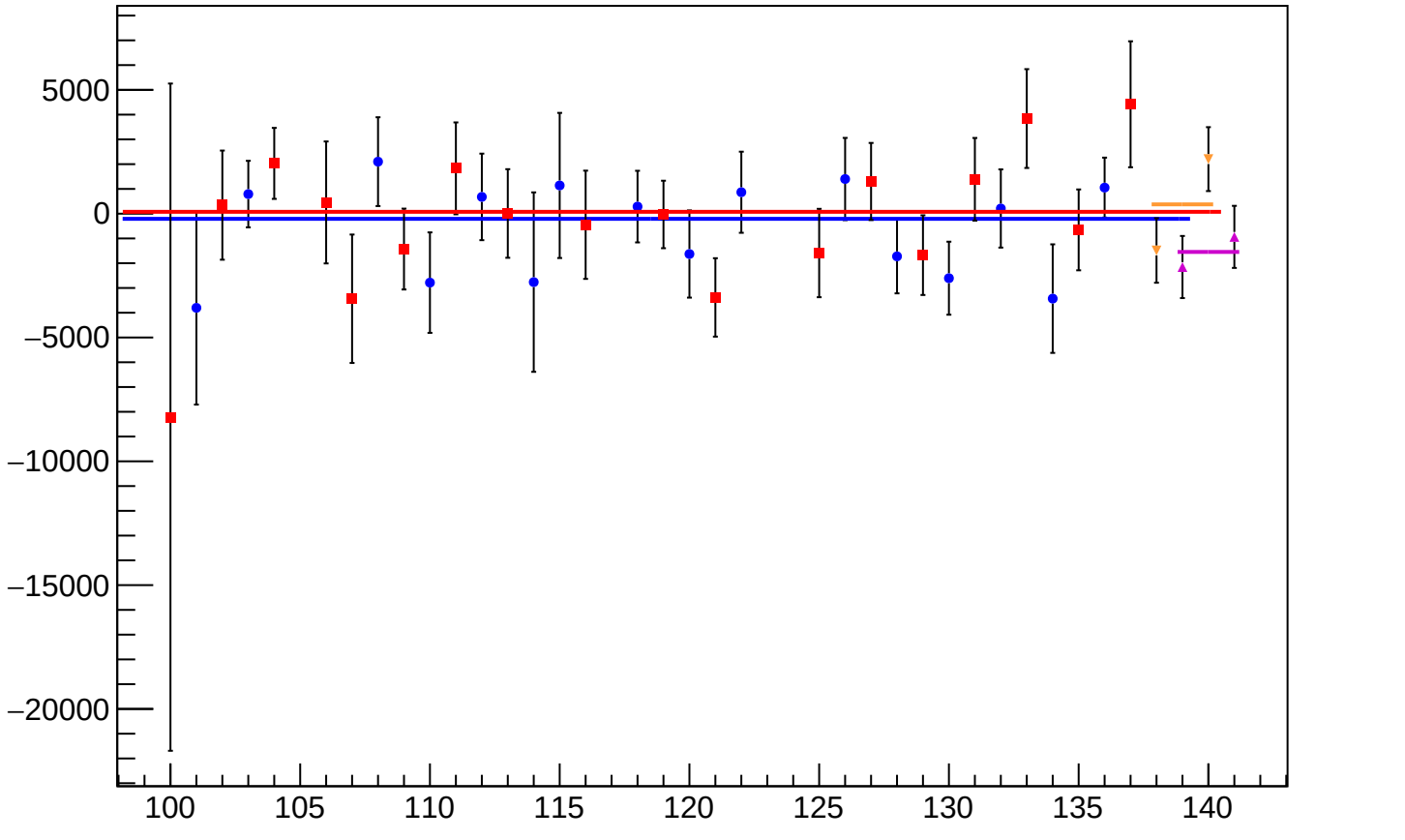
Left: 3441.153+/-1.339 χ^2/NDF: 45594.9/3

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 564.845+/-0.242 χ^2/NDF:12304136.8/17

Out: 508.420+/-0.223 χ^2/NDF:11461857.8/19

All: 534.357+/-0.164 χ^2/NDF: 23795461.7/37



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 376.168+/-916.778 χ^2/NDF:4.0/1

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -1544.884+/-886.721 χ^2/NDF:0.5/1

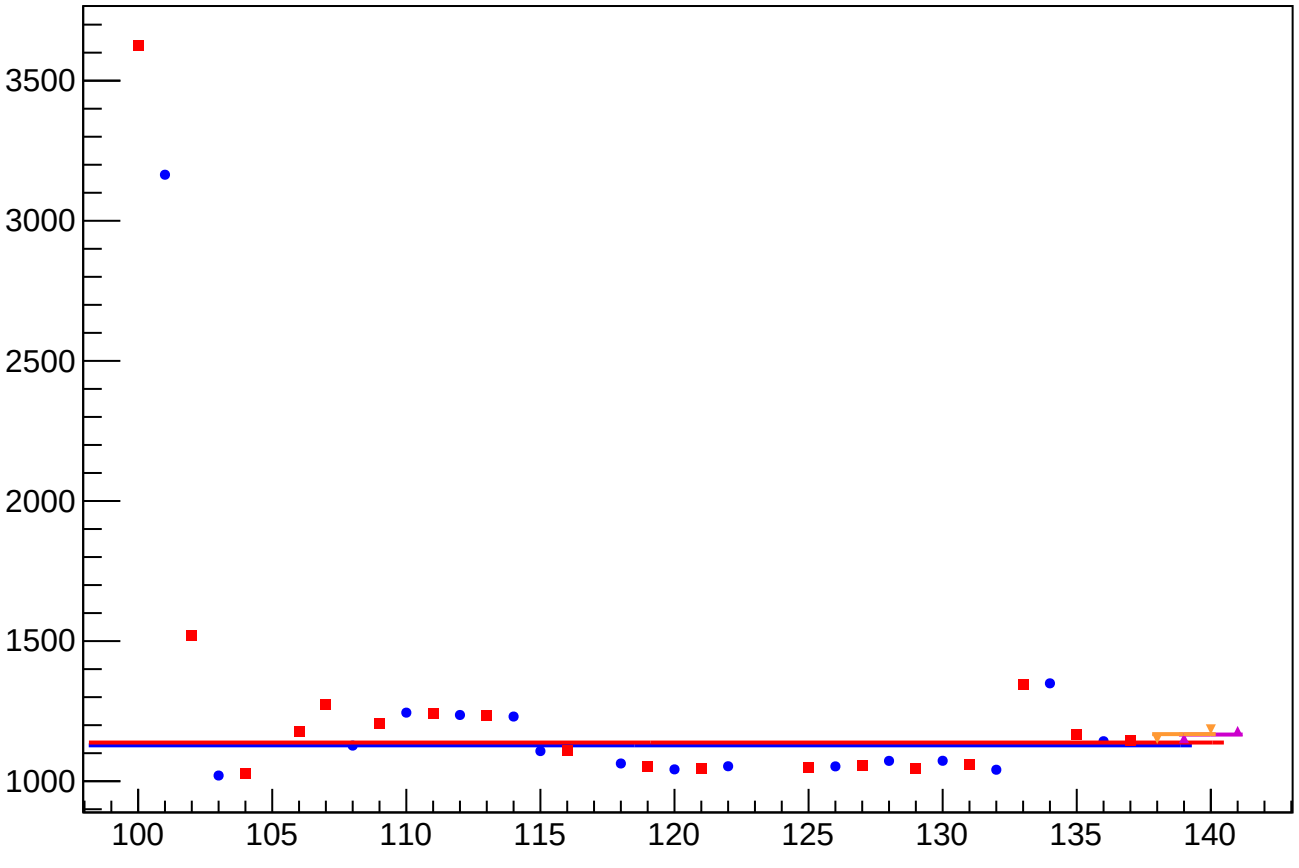
Left: -616.365+/-637.367 χ^2/NDF: 6.8/3

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -461.806+/-386.291 χ^2/NDF:17.1/17

Out: 130.088+/-389.869 χ^2/NDF:24.8/19

All: -168.587+/-274.405 χ^2/NDF: 43.0/37



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1168.059+/-0.648 χ^2/NDF:698.6/1

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1166.473+/-0.627 χ^2/NDF:423.8/1

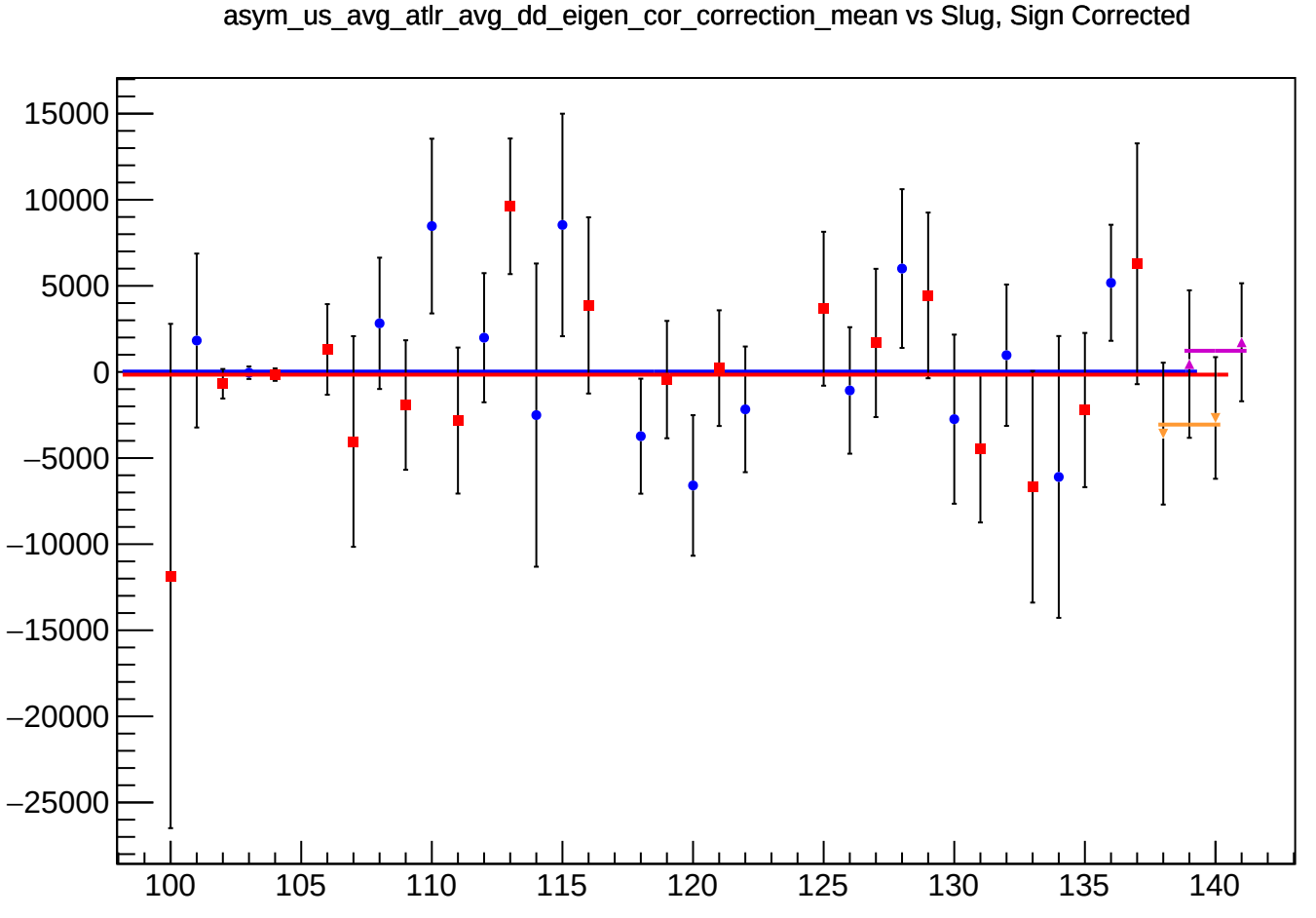
Left: 1167.239+/-0.451 χ^2/NDF: 1125.5/3

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1135.307+/-0.273 χ^2/NDF:624868.7/17

Out: 1143.431+/-0.276 χ^2/NDF:223084.7/19

All: 1139.333+/-0.194 χ^2/NDF: 848391.8/37



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -3056.938+/-2681.329 χ^2/NDF:0.0/1

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 1230.183+/-2675.520 χ^2/NDF:0.1/1

Left: -908.729+/-1893.929 χ^2/NDF: 1.4/3

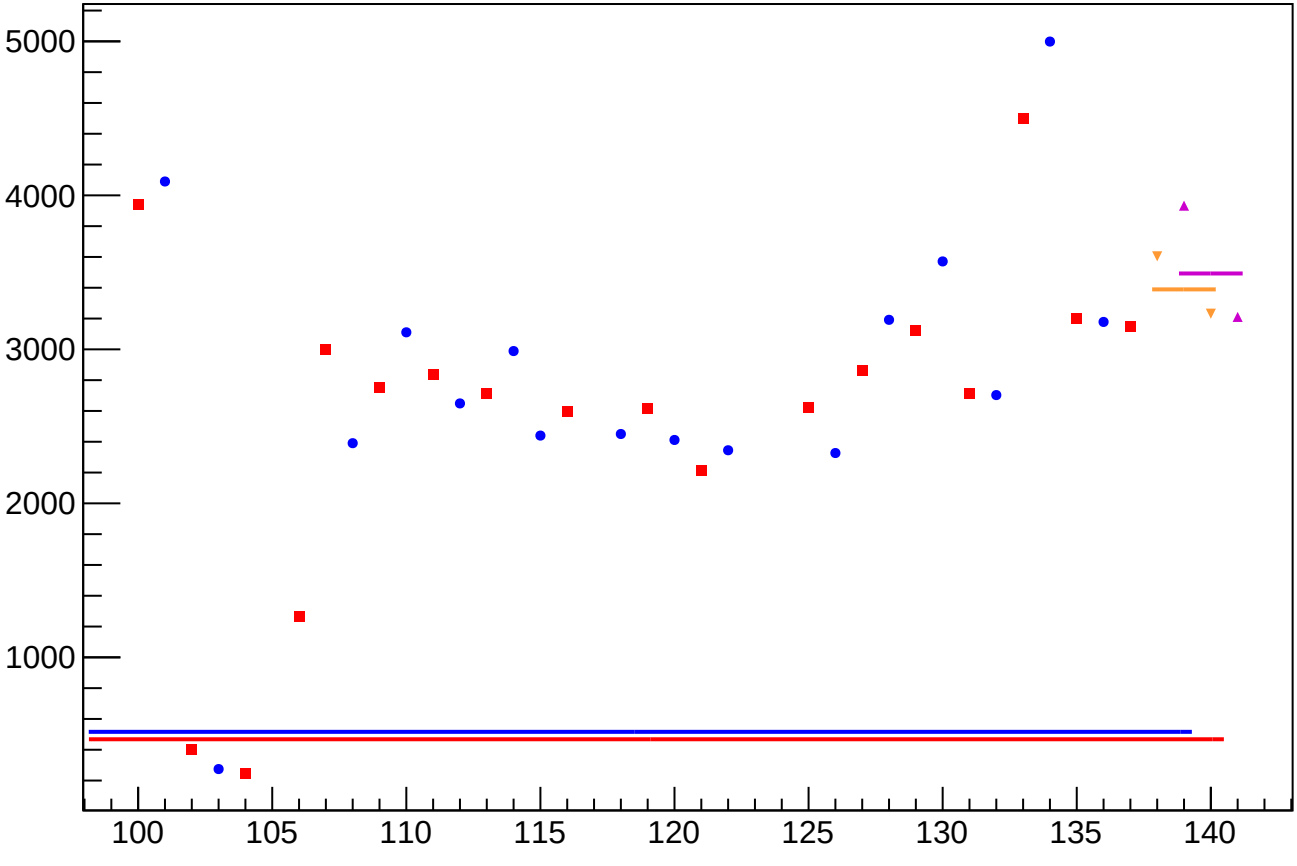
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 41.358+/-341.704 χ^2/NDF:15.1/17

Out: -196.307+/-315.167 χ^2/NDF:15.2/19

All: -87.060+/-231.671 χ^2/NDF: 30.6/37

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3389.362+/-1.896 χ^2/NDF:9423.1/1

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3492.720+/-1.892 χ^2/NDF:34682.7/1

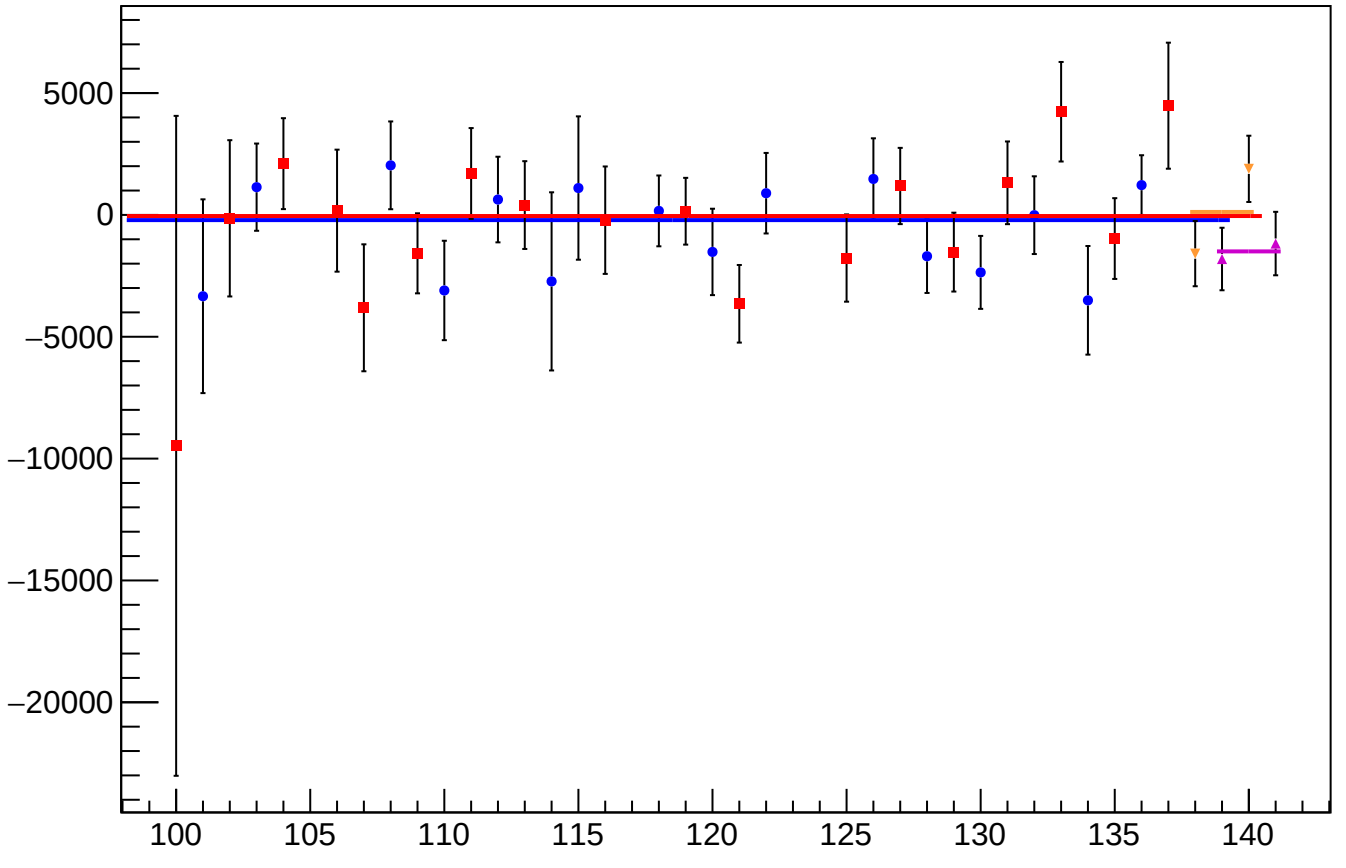
Left: 3441.153+/-1.339 χ^2/NDF: 45594.9/3

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 564.845+/-0.242 χ^2/NDF:12304136.8/17

Out: 508.420+/-0.223 χ^2/NDF:11461857.8/19

All: 534.357+/-0.164 χ^2/NDF: 23795461.7/37



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 121.931+/-953.462 χ^2/NDF:3.3/1

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -1497.252+/-913.669 χ^2/NDF:0.1/1

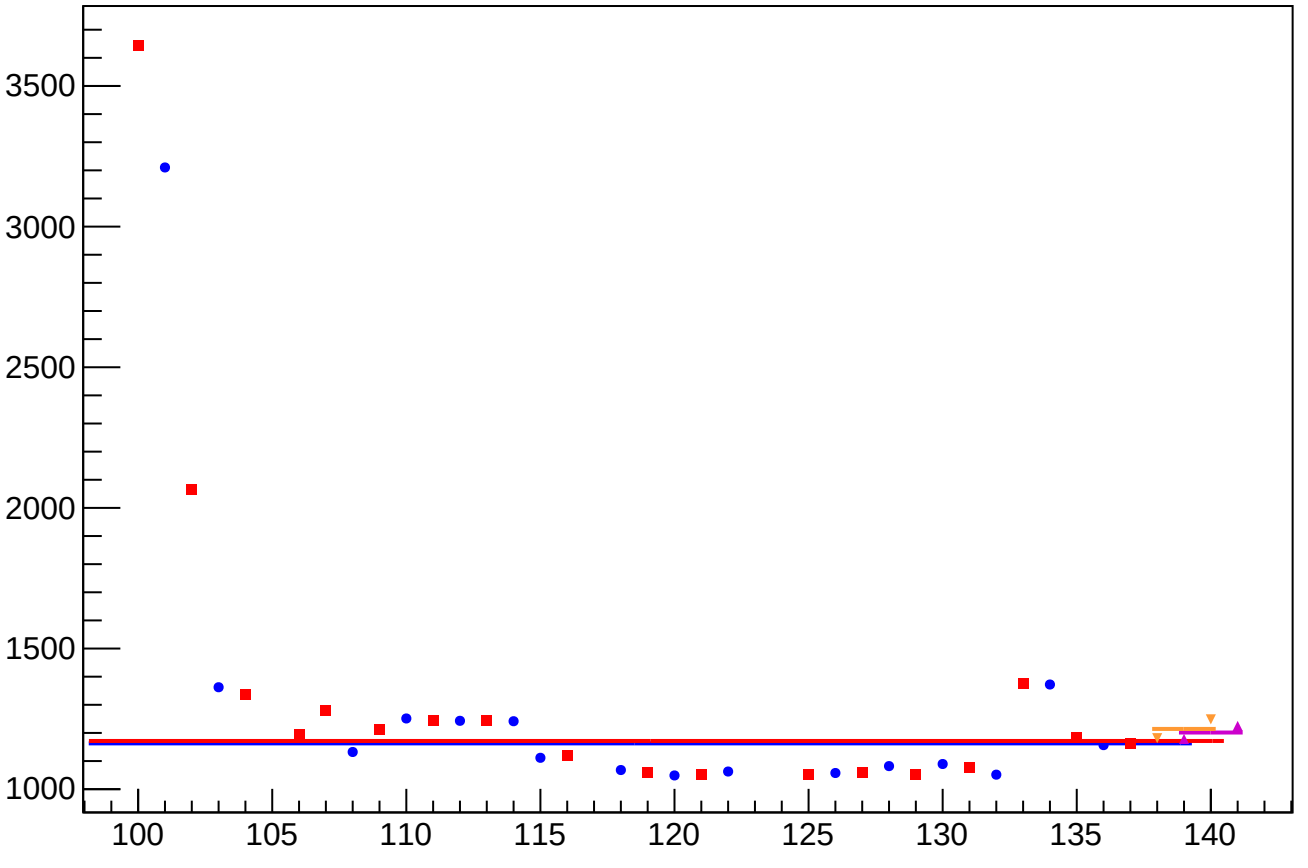
Left: -722.153+/-659.681 χ^2/NDF: 5.0/3

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -457.228+/-398.386 χ^2/NDF:16.0/17

Out: -15.335+/-404.893 χ^2/NDF:25.0/19

All: -239.861+/-283.974 χ^2/NDF: 41.7/37



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1214.242+/-0.674 χ^2/NDF:2462.9/1

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1201.450+/-0.646 χ^2/NDF:1282.0/1

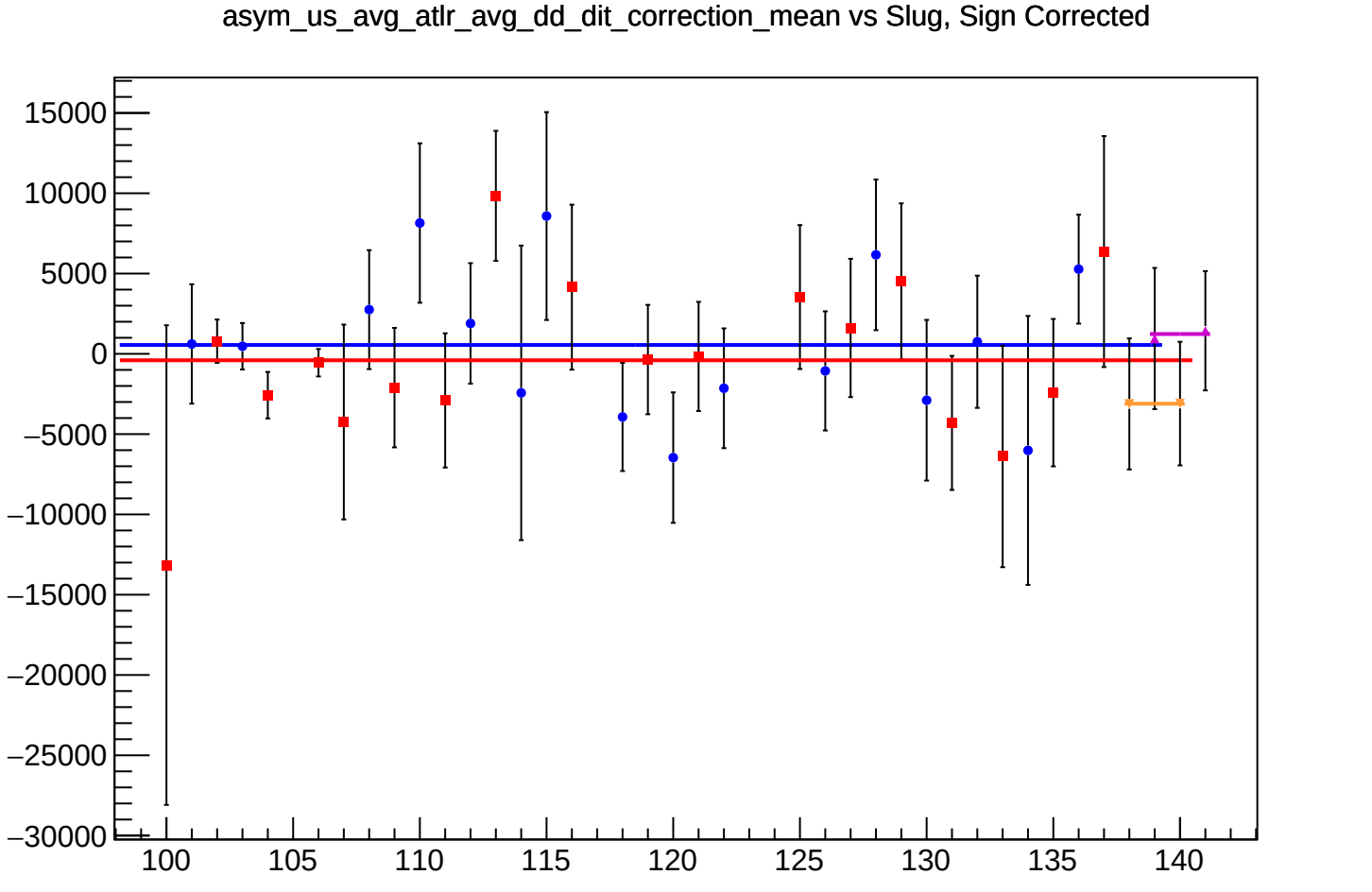
Left: 1207.574+/-0.466 χ^2/NDF: 3932.6/3

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1170.190+/-0.282 χ^2/NDF:639526.3/17

Out: 1179.136+/-0.286 χ^2/NDF:337410.9/19

All: 1174.592+/-0.201 χ^2/NDF: 977433.5/37



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -3107.594+/-2800.012 χ^2/NDF:0.0/1

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 1234.778+/-2836.827 χ^2/NDF:0.0/1

Left: -964.768+/-1992.796 χ^2/NDF: 1.2/3

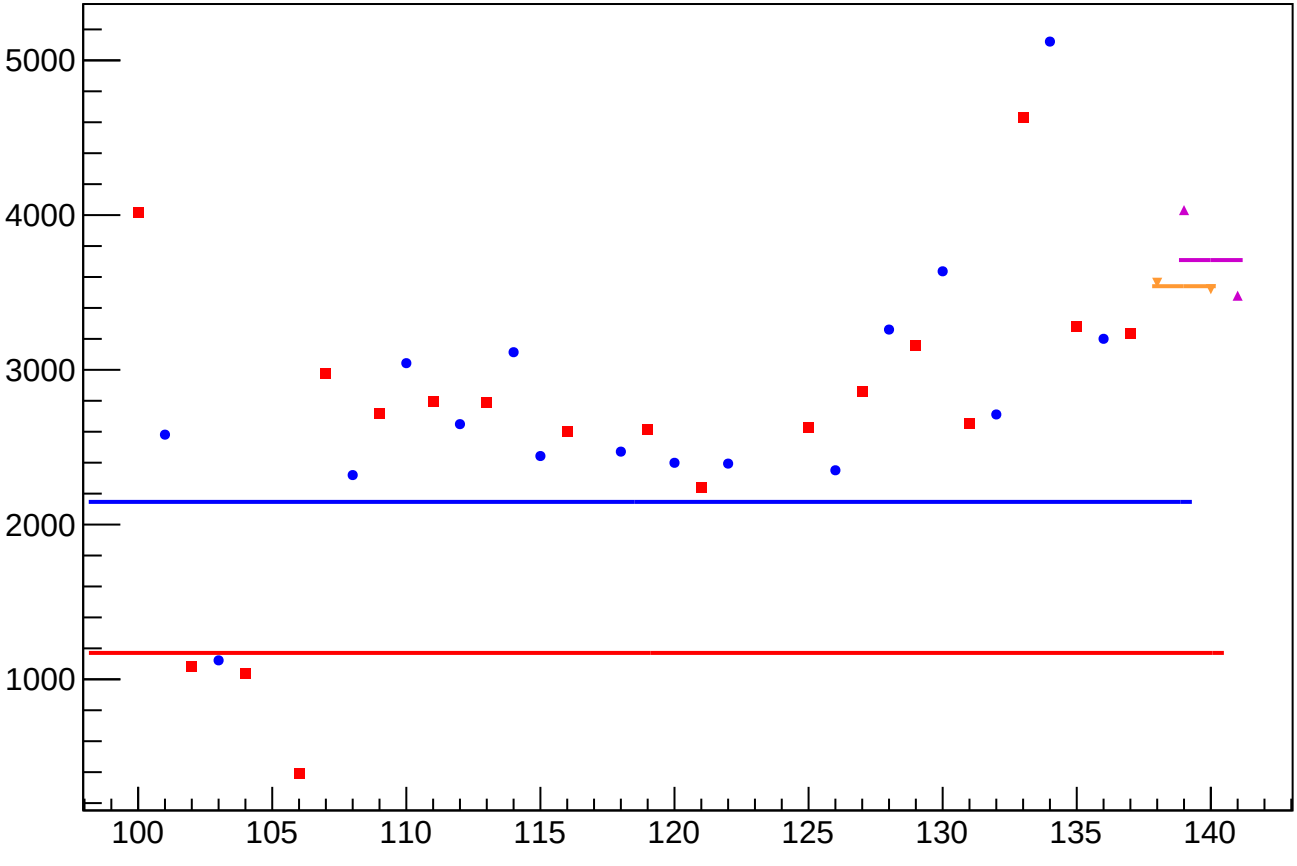
Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 611.679+/-835.369 χ^2/NDF:14.5/17

Out: -506.661+/-554.657 χ^2/NDF:17.6/19

All: -164.487+/-462.078 χ^2/NDF: 33.3/37

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3540.493+/-1.980 χ^2/NDF:112.3/1

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3709.382+/-2.006 χ^2/NDF:18479.1/1

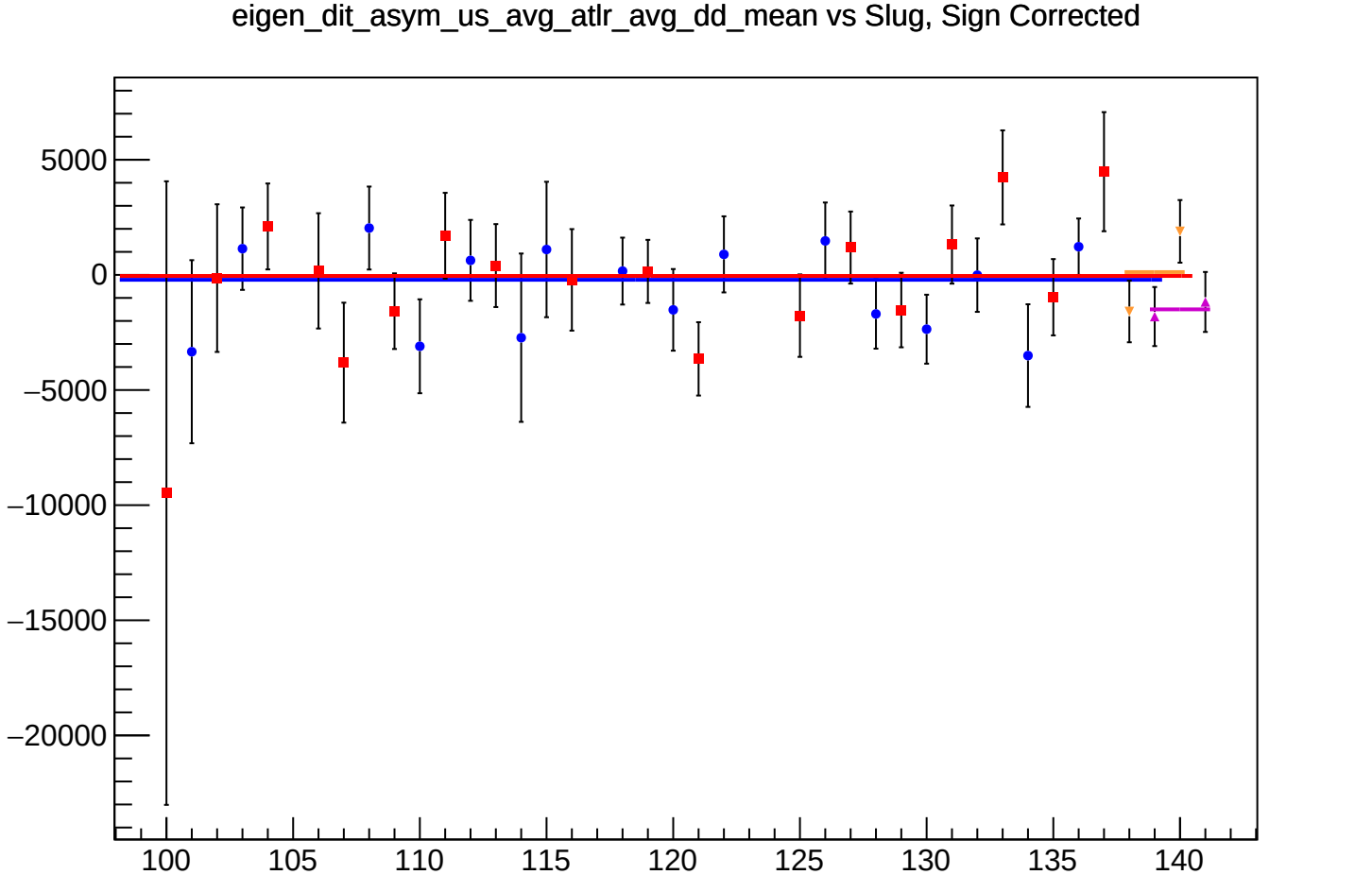
Left: 3623.835+/-1.409 χ^2/NDF: 22182.1/3

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2282.130+/-0.591 χ^2/NDF:2547520.5/17

Out: 1263.569+/-0.392 χ^2/NDF:7194142.2/19

All: 1575.215+/-0.327 χ^2/NDF: 11805275.5/3



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 121.931+/-953.462 χ^2/NDF:3.3/1

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -1497.241+/-913.669 χ^2/NDF:0.1/1

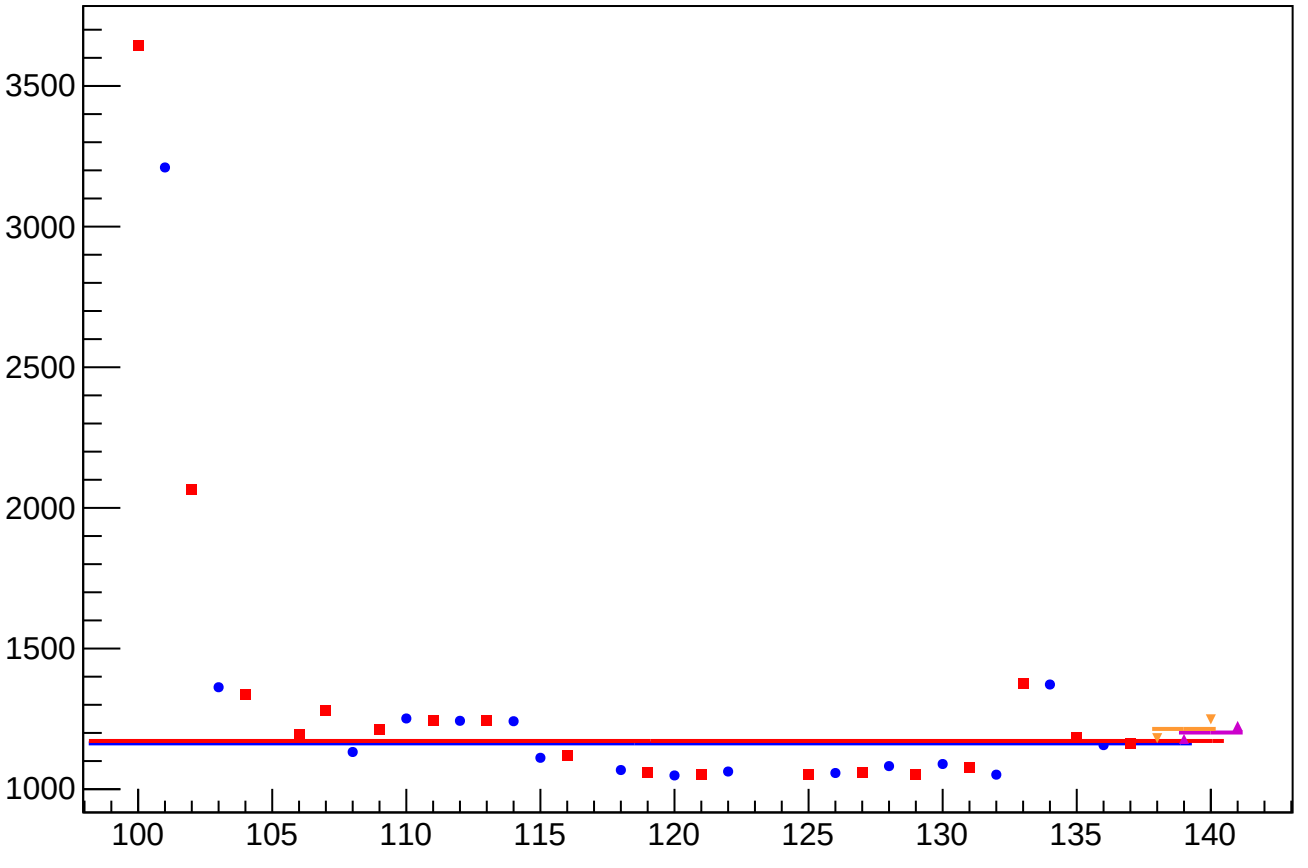
Left: -722.147+/-659.681 χ^2/NDF: 5.0/3

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -457.227+/-398.386 χ^2/NDF:16.0/17

Out: -15.338+/-404.893 χ^2/NDF:25.0/19

All: -239.862+/-283.974 χ^2/NDF: 41.7/37



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1214.242+/-0.674 χ^2/NDF:2462.9/1

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1201.451+/-0.646 χ^2/NDF:1282.0/1

Left: 1207.574+/-0.466 χ^2/NDF: 3932.5/3

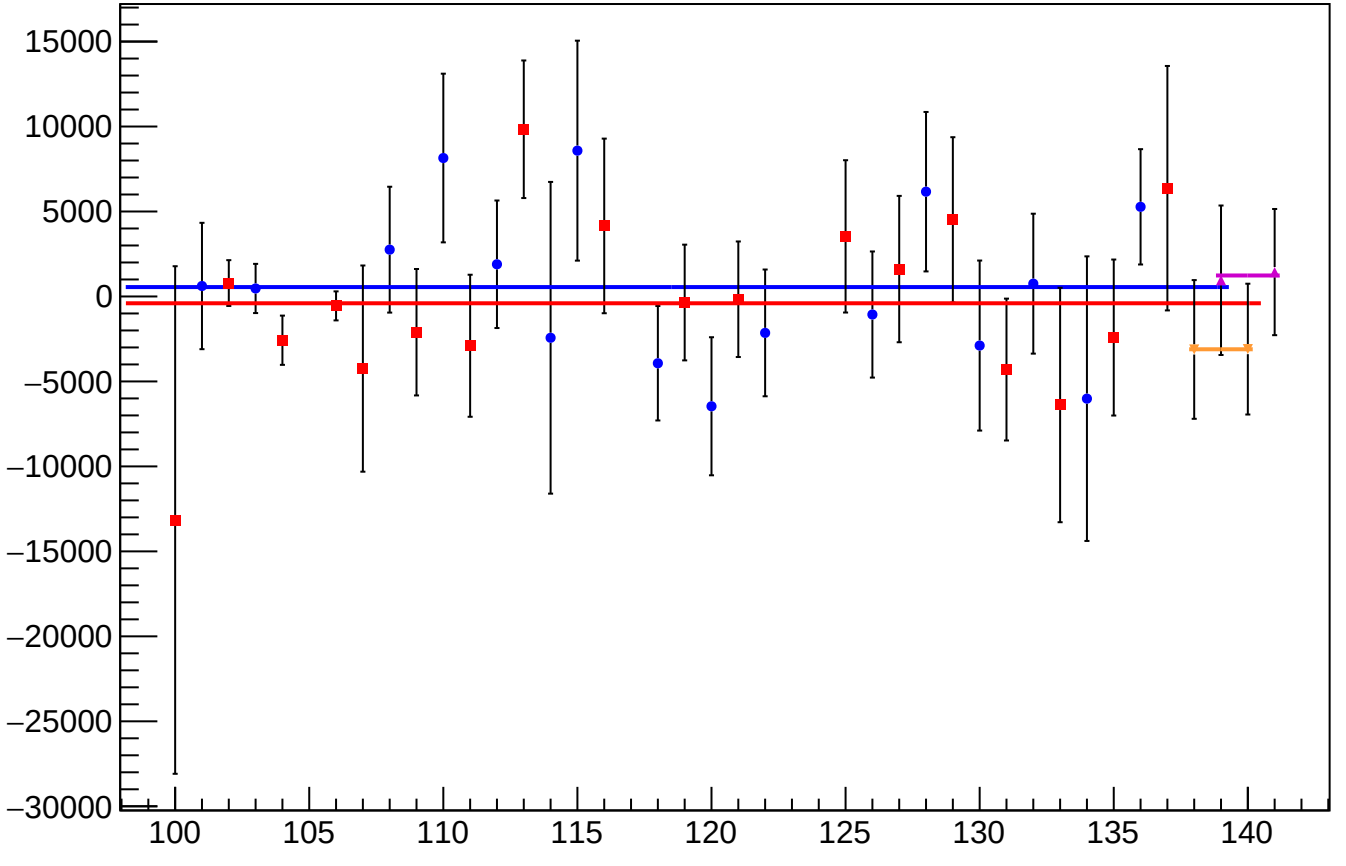
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1170.190+/-0.282 χ^2/NDF:639526.5/17

Out: 1179.137+/-0.286 χ^2/NDF:337410.6/19

All: 1174.592+/-0.201 χ^2/NDF: 977433.4/37

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -3107.593+/-2800.015 χ^2/NDF:0.0/1

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 1234.788+/-2836.830 χ^2/NDF:0.0/1

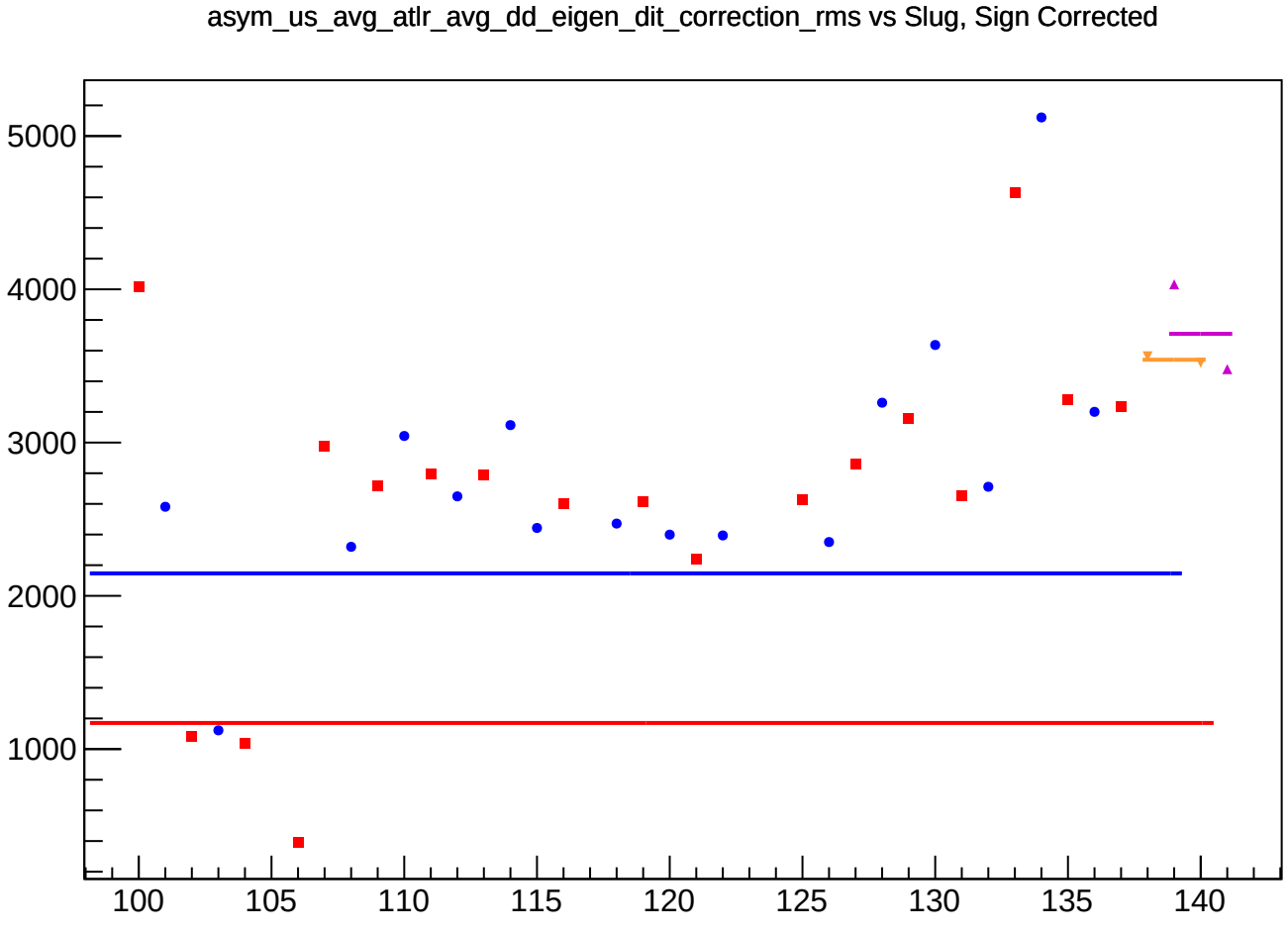
Left: -964.762+/-1992.798 χ^2/NDF: 1.2/3

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 611.673+/-835.368 χ^2/NDF:14.5/17

Out: -506.660+/-554.651 χ^2/NDF:17.6/19

All: -164.492+/-462.074 χ^2/NDF: 33.3/37



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3540.497+/-1.980 χ^2/NDF:112.3/1

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3709.386+/-2.006 χ^2/NDF:18479.7/1

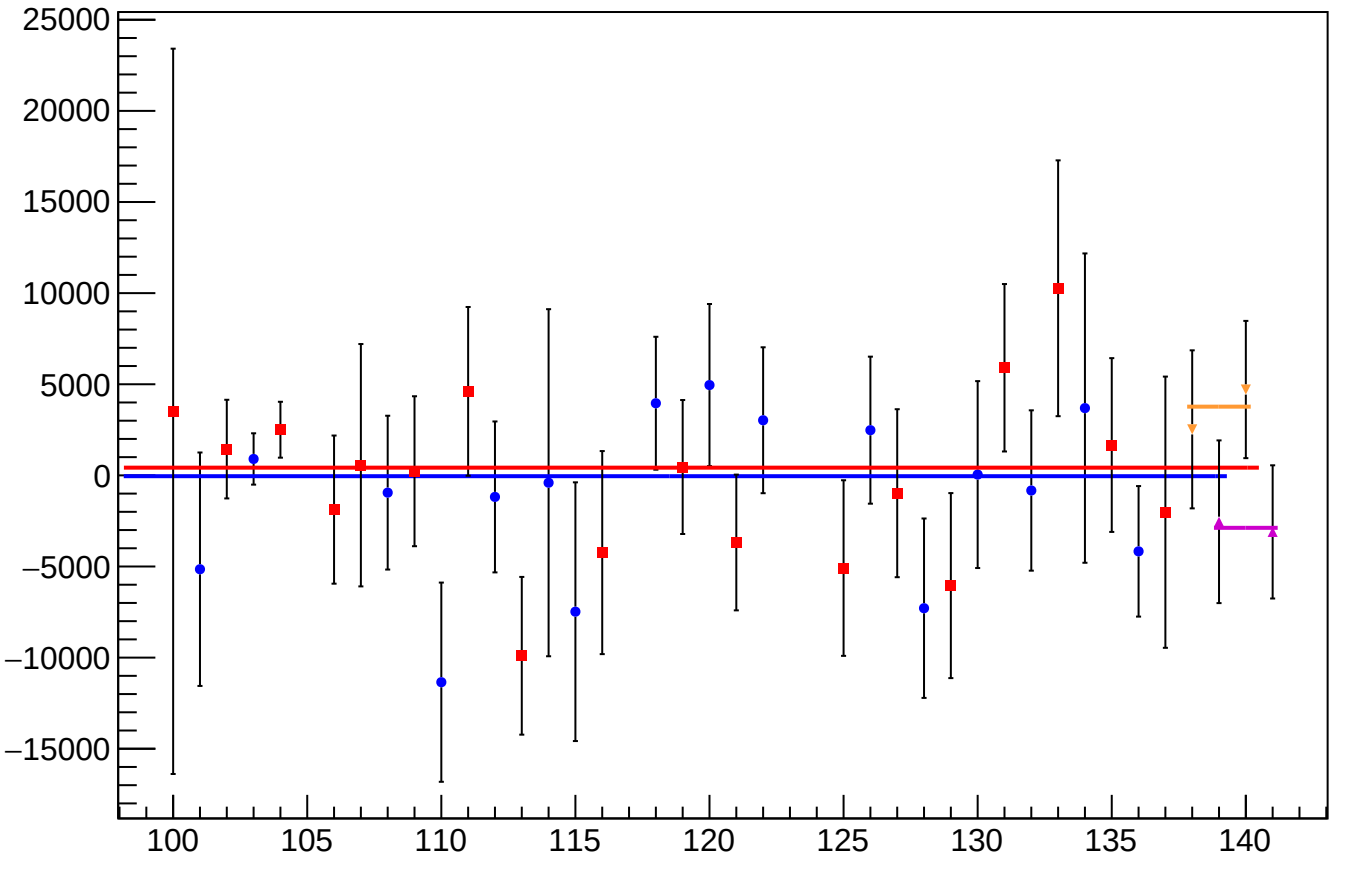
Left: 3623.839+/-1.409 χ^2/NDF: 22182.6/3

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2282.127+/-0.591 χ^2/NDF:2547520.9/17

Out: 1263.545+/-0.392 χ^2/NDF:7194298.9/19

All: 1575.192+/-0.327 χ^2/NDF: 11805537.1/3



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 3771.102+/-2843.007 χ^2/NDF:0.1/1

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -2878.448+/-2827.826 χ^2/NDF:0.0/1

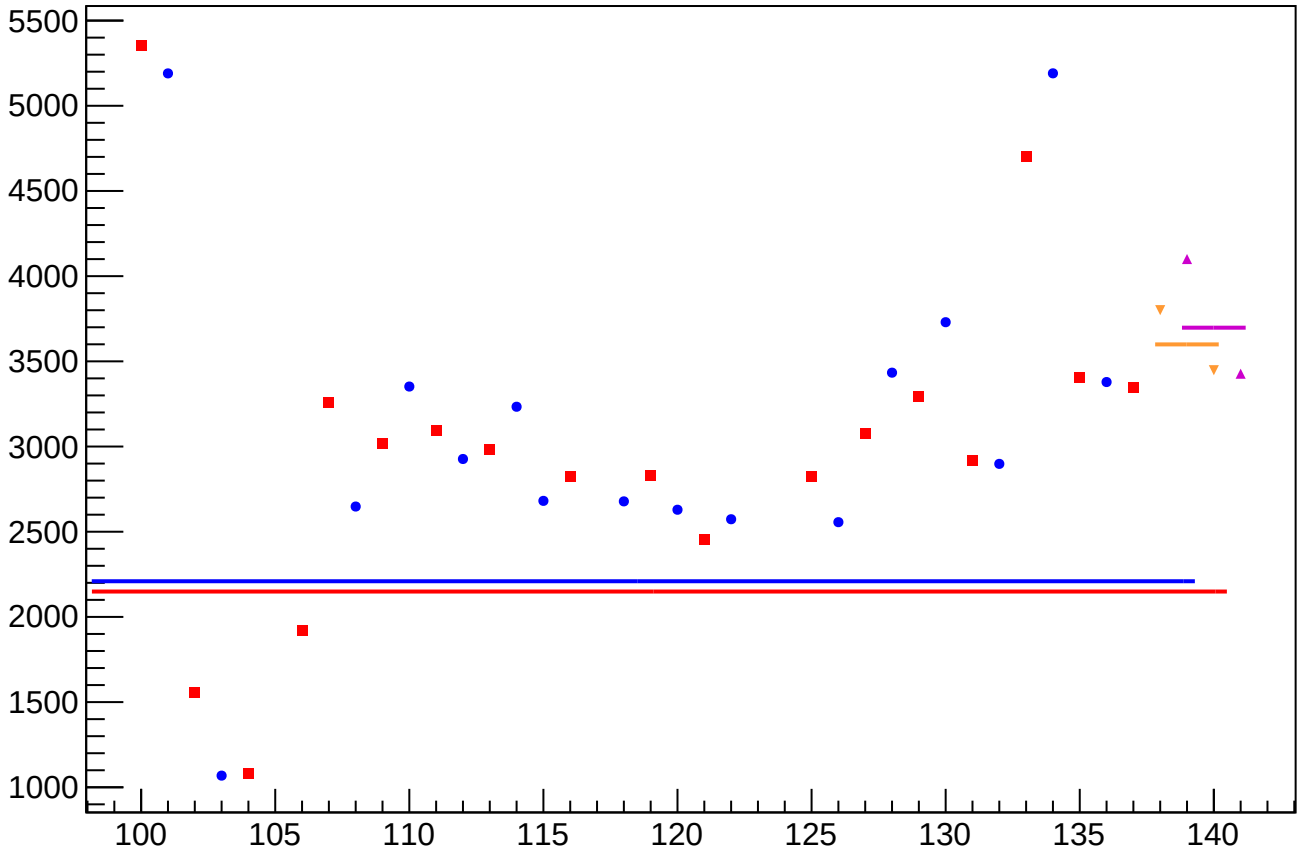
Left: 428.526+/-2004.920 χ^2/NDF: 2.9/3

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -316.480+/-875.497 χ^2/NDF:14.7/17

Out: 726.390+/-855.203 χ^2/NDF:18.8/19

All: 217.182+/-611.769 χ^2/NDF: 34.1/37



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3599.449+/-2.010 χ^2/NDF:7536.0/1

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3697.570+/-2.000 χ^2/NDF:27221.7/1

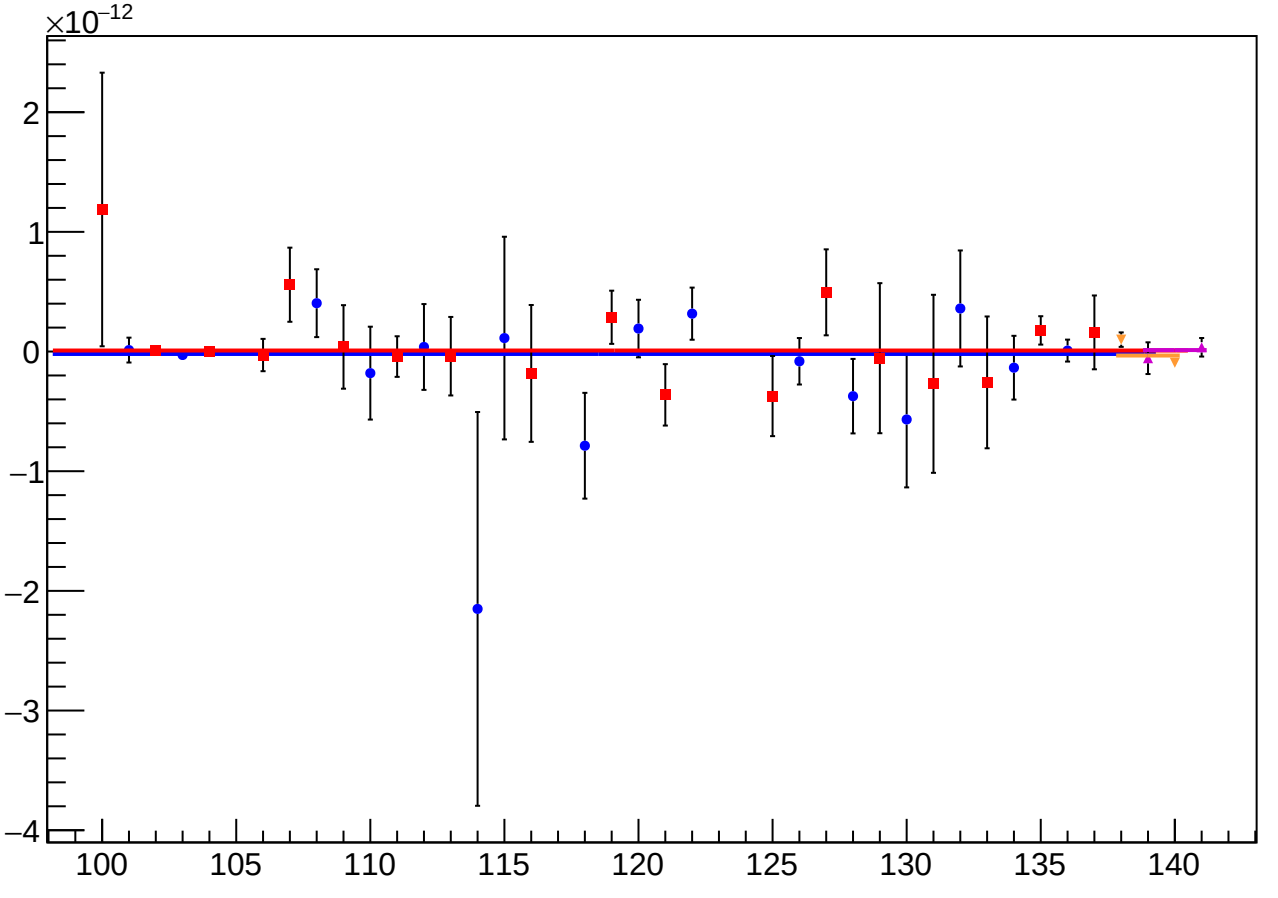
Left: 3648.772+/-1.418 χ^2/NDF: 35955.2/3

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2351.999+/-0.619 χ^2/NDF:3364937.4/17

Out: 2279.628+/-0.603 χ^2/NDF:2750901.3/19

All: 2314.886+/-0.432 χ^2/NDF: 6122846.8/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

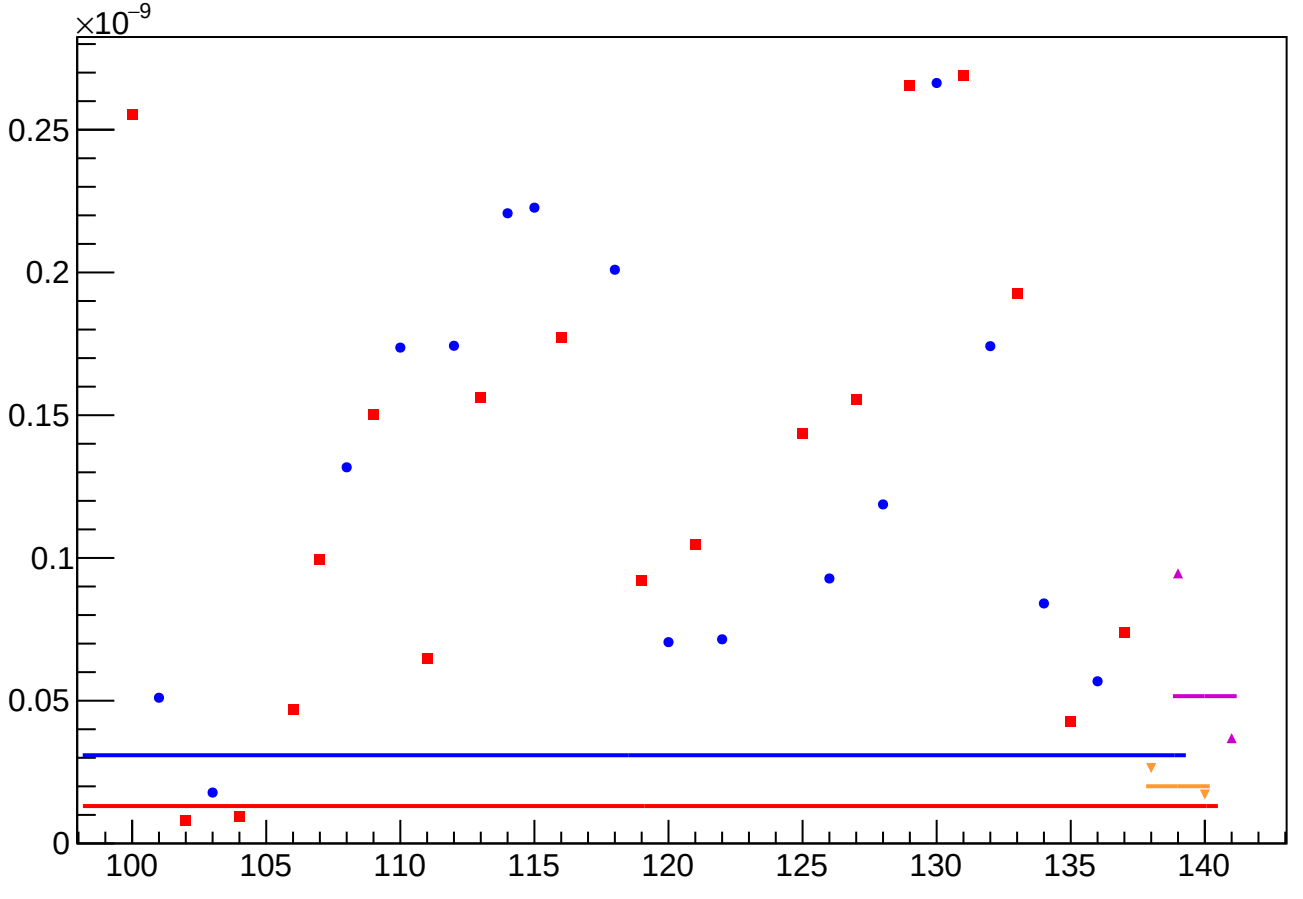
Left: -0.000+/-0.000 χ^2/NDF: 7.7/3

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: -0.000+/-0.000 χ^2/NDF:14.3/17

Out: 0.000+/-0.000 χ^2/NDF:22.3/19

All: -0.000+/-0.000 χ^2/NDF: 37.0/37



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:32238.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:282744.3/1

Left: 0.000+/-0.000 χ^2/NDF: 669523.4/3

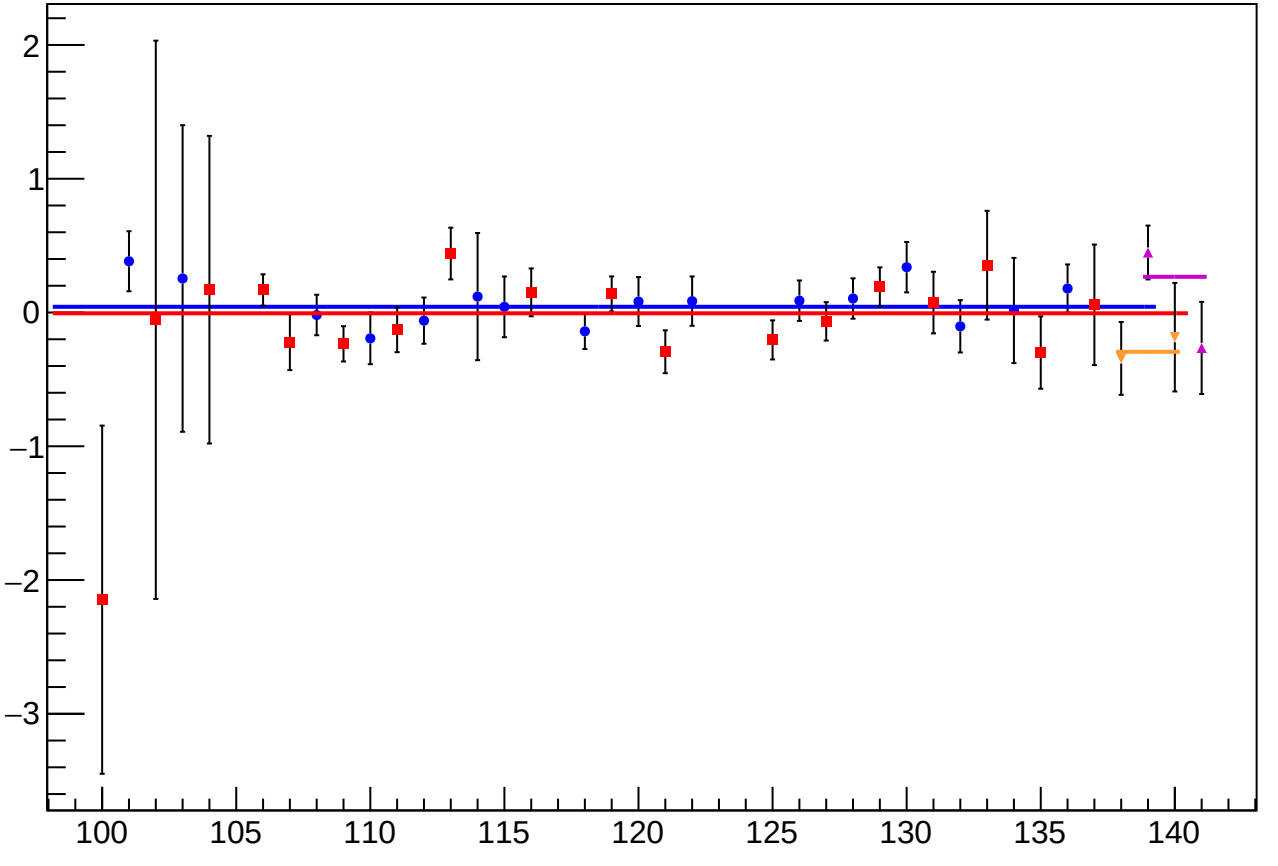
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:3448441.0/17

Out: 0.000+/-0.000 χ^2/NDF:3761802.8/19

All: 0.000+/-0.000 χ^2/NDF: 8199560.4/37

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.294+/-0.226 χ^2/NDF:0.1/1

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.267+/-0.174 χ^2/NDF:3.2/1

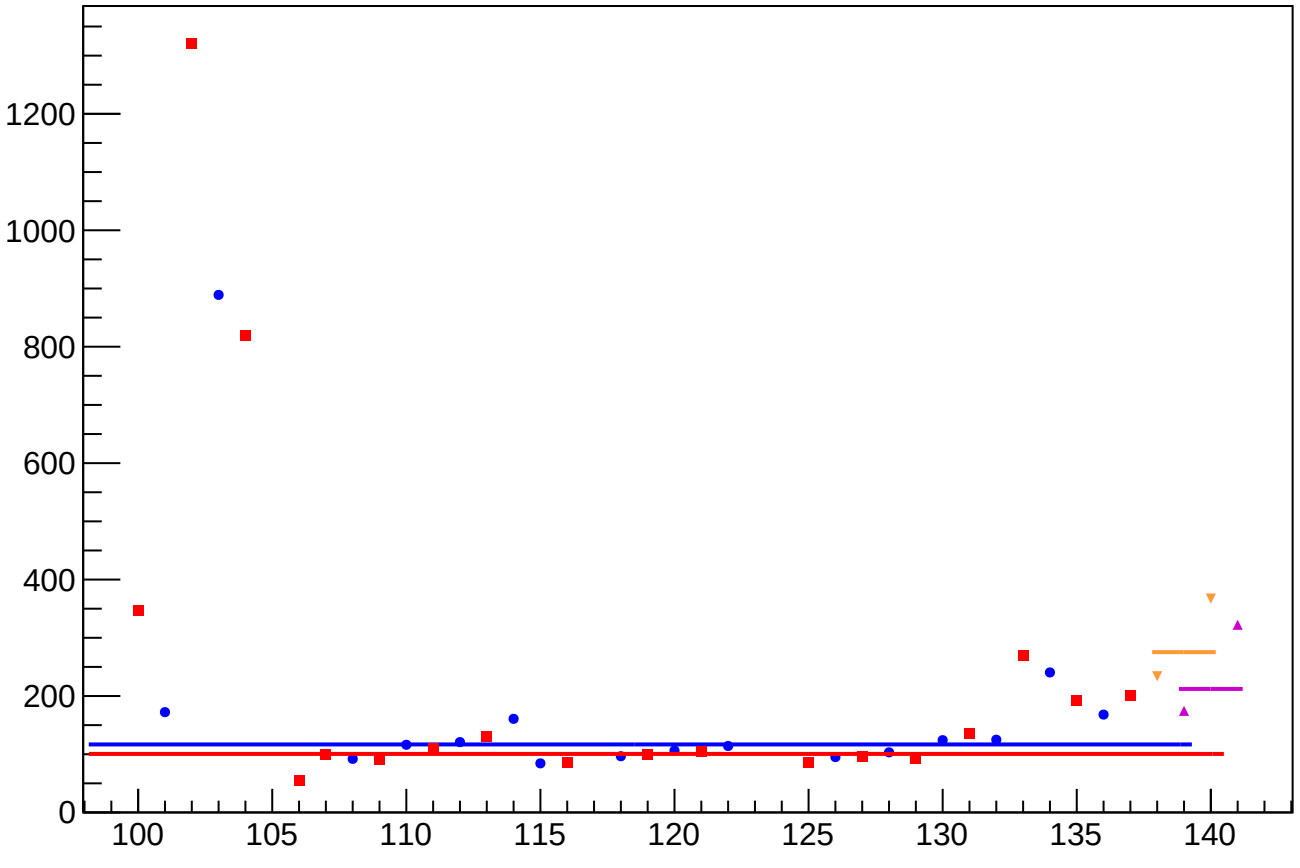
Left: 0.059+/-0.138 χ^2/NDF: 7.2/3

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.058+/-0.046 χ^2/NDF:15.0/17

Out: -0.016+/-0.043 χ^2/NDF:27.7/19

All: 0.018+/-0.031 χ^2/NDF: 44.1/37



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 275.400+/-0.160 χ^2/NDF:149064.3/1

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 212.187+/-0.123 χ^2/NDF:274447.8/1

Left: 235.660+/-0.097 χ^2/NDF: 521756.1/3

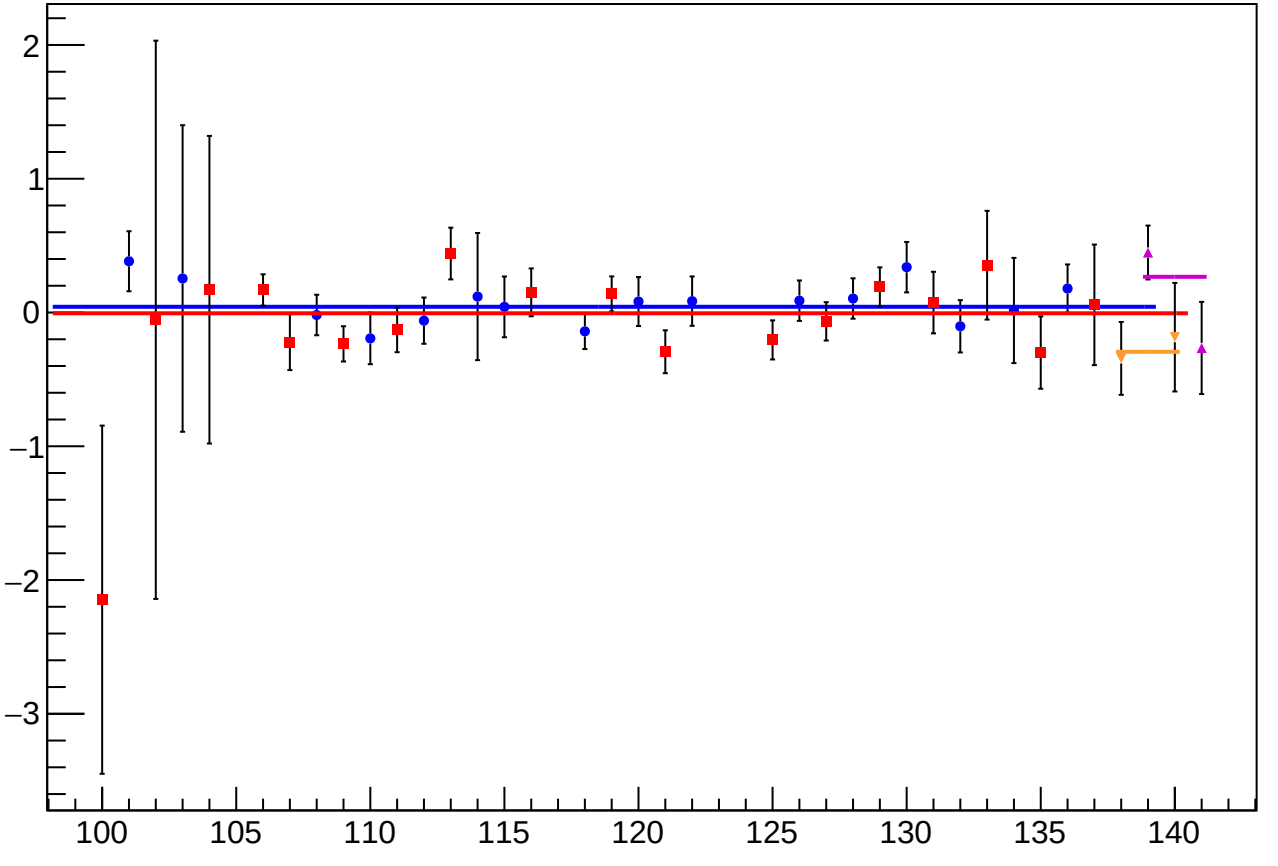
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 123.459+/-0.032 χ^2/NDF:2455411.4/17

Out: 106.750+/-0.030 χ^2/NDF:3966495.6/19

All: 114.503+/-0.022 χ^2/NDF: 6564660.7/37

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.294+/-0.226 χ^2/NDF:0.1/1

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.267+/-0.174 χ^2/NDF:3.2/1

Left: 0.059+/-0.138 χ^2/NDF: 7.2/3

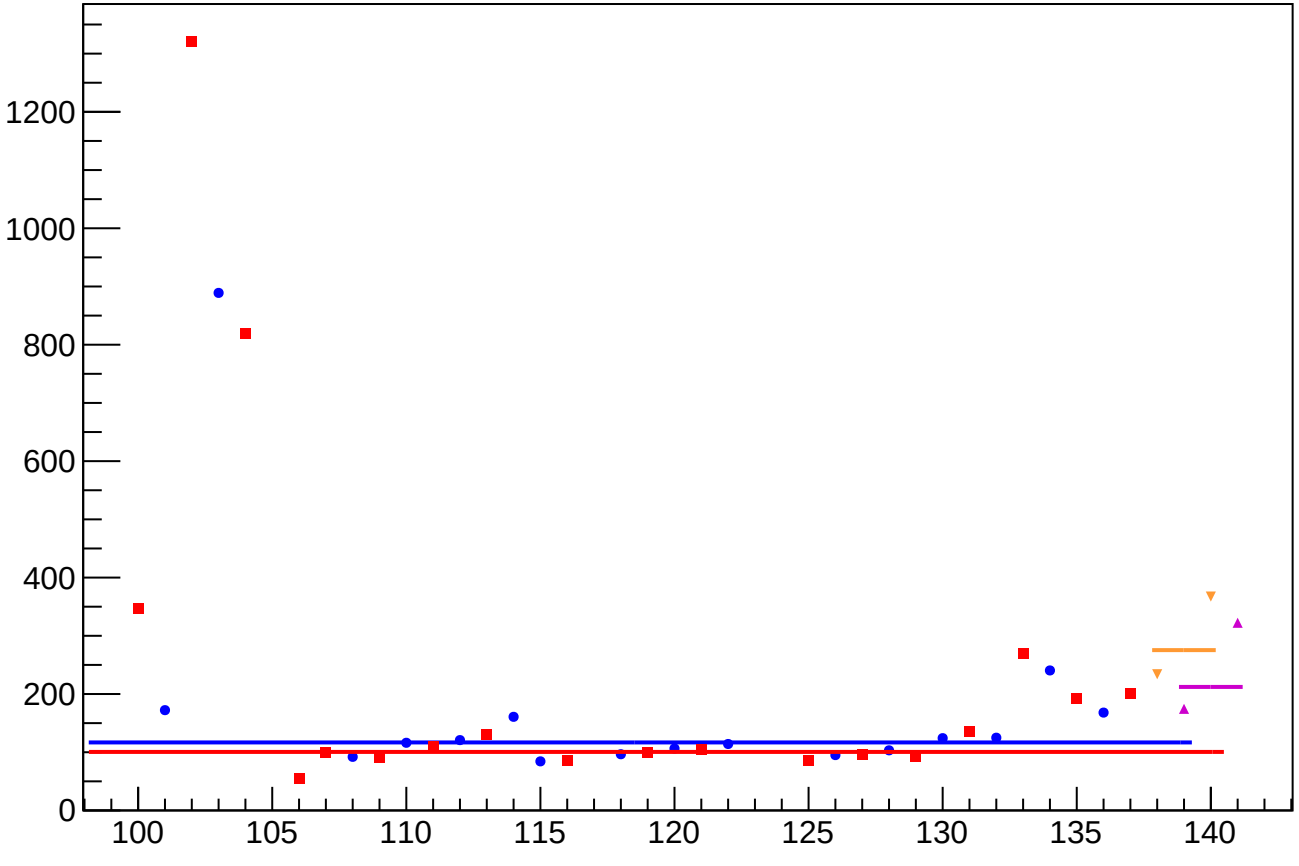
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.058+/-0.046 χ^2/NDF:15.0/17

Out: -0.016+/-0.043 χ^2/NDF:27.7/19

All: 0.018+/-0.031 χ^2/NDF: 44.1/37

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 275.400+/-0.160 χ^2/NDF:149064.3/1

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 212.187+/-0.123 χ^2/NDF:274447.8/1

Left: 235.660+/-0.097 χ^2/NDF: 521756.1/3

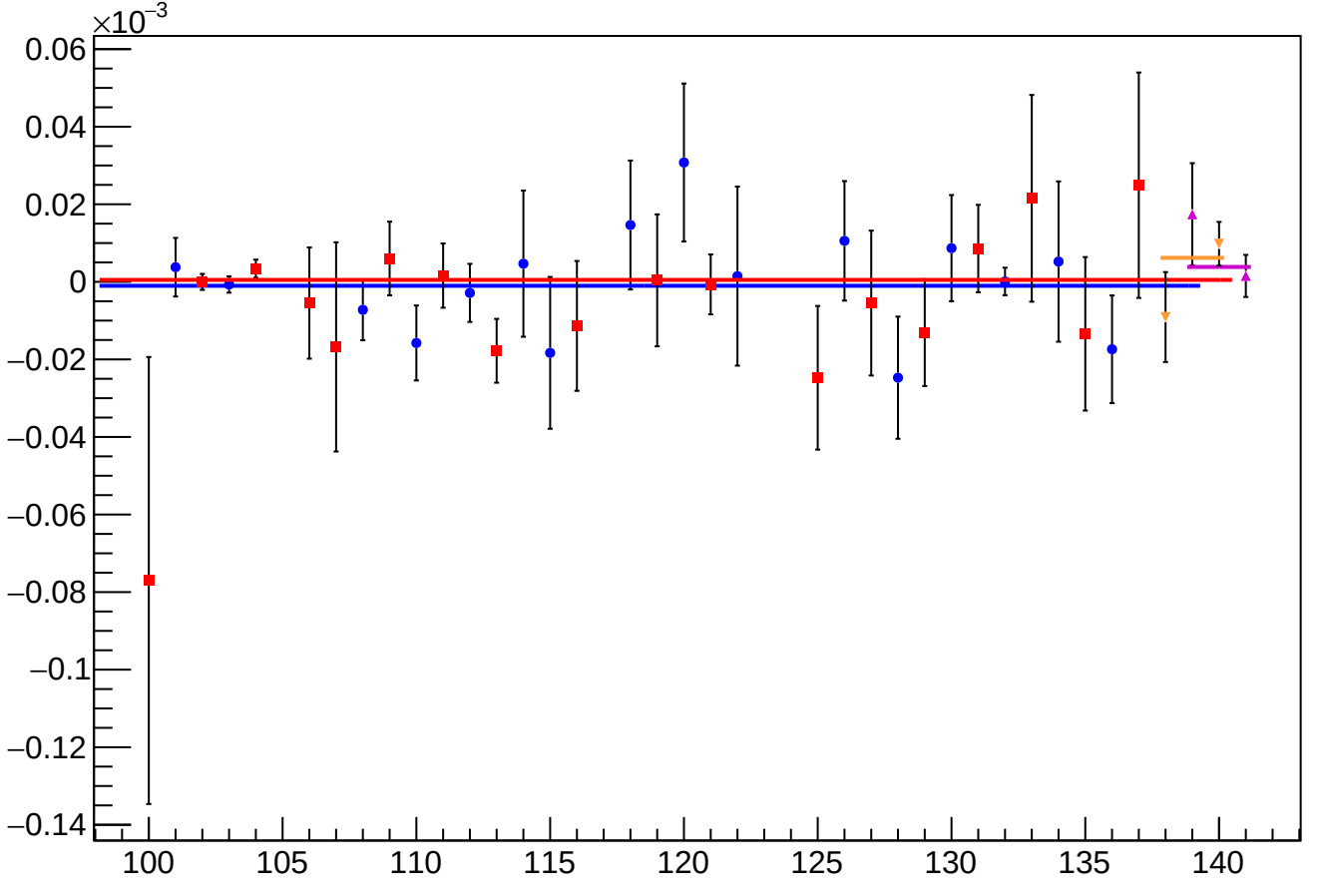
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 123.459+/-0.032 χ^2/NDF:2455411.4/17

Out: 106.750+/-0.030 χ^2/NDF:3966495.6/19

All: 114.503+/-0.022 χ^2/NDF: 6564660.7/37

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

Left: 0.000+/-0.000 χ^2/NDF: 3.5/3

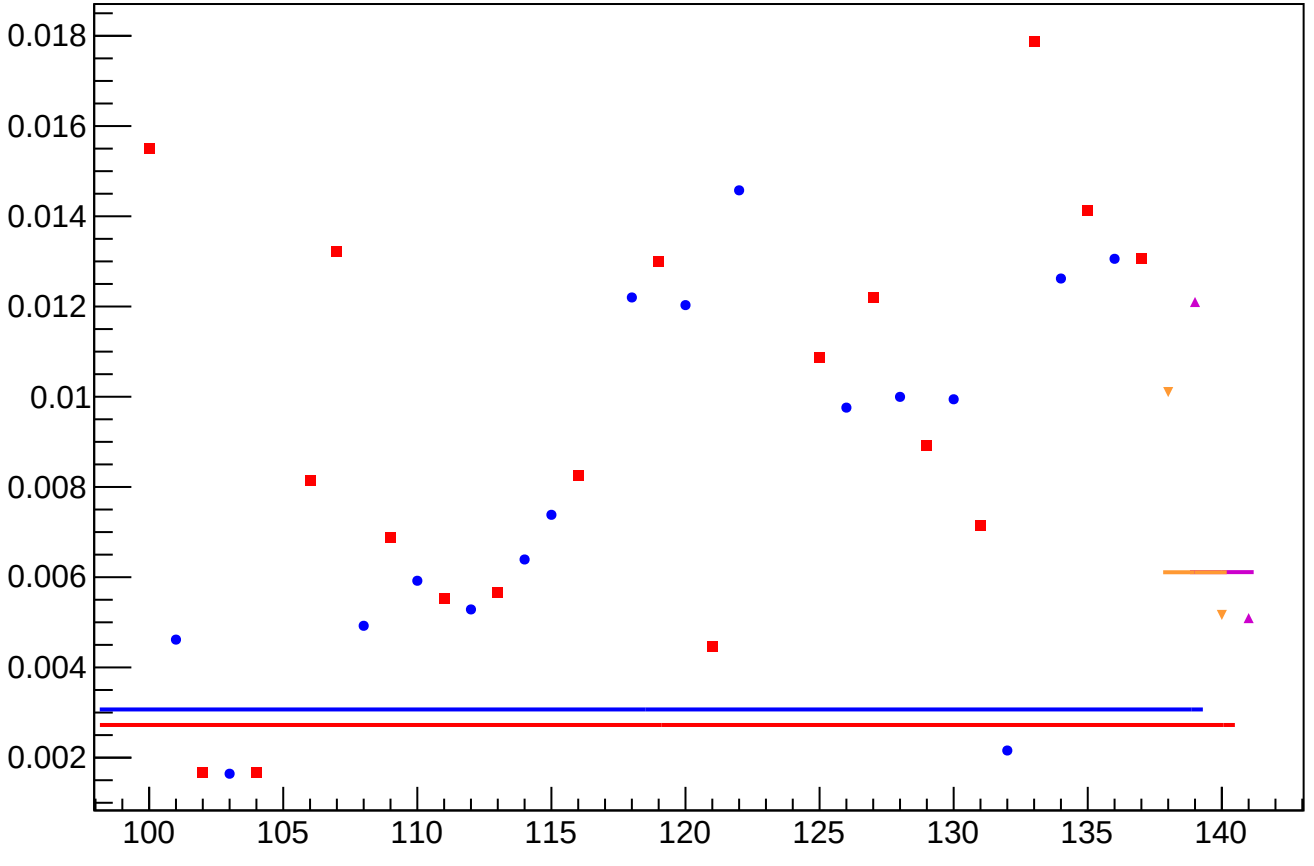
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:14.7/17

Out: 0.000+/-0.000 χ^2/NDF:18.4/19

All: 0.000+/-0.000 χ^2/NDF: 33.6/37

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:293320.6/1

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.006+/-0.000 χ^2/NDF:484002.8/1

Left: 0.006+/-0.000 χ^2/NDF: 777323.8/3

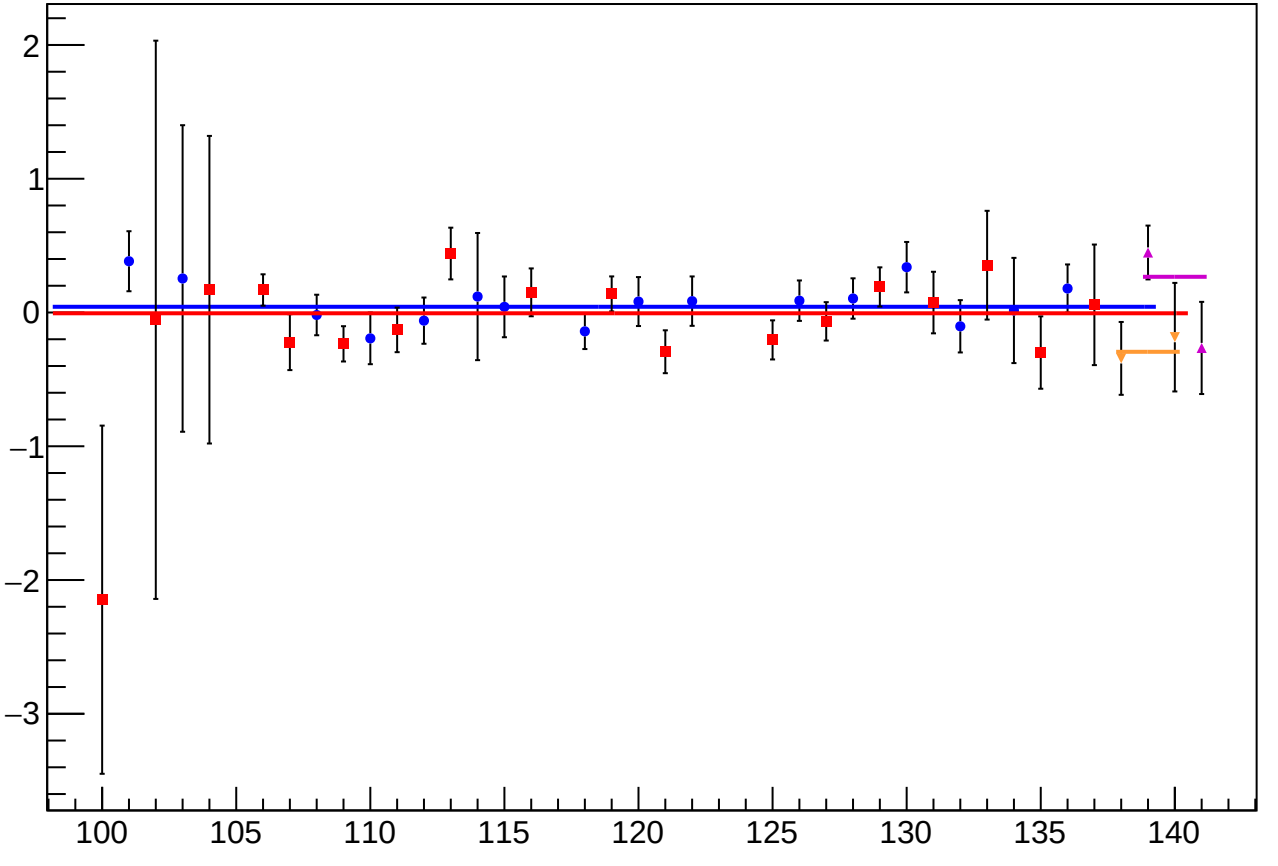
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:7117053.0/17

Out: 0.003+/-0.000 χ^2/NDF:7834037.7/19

All: 0.003+/-0.000 χ^2/NDF: 15021955.0/37

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.294+/-0.226 χ^2/NDF:0.1/1

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.267+/-0.174 χ^2/NDF:3.2/1

Left: 0.059+/-0.138 χ^2/NDF: 7.2/3

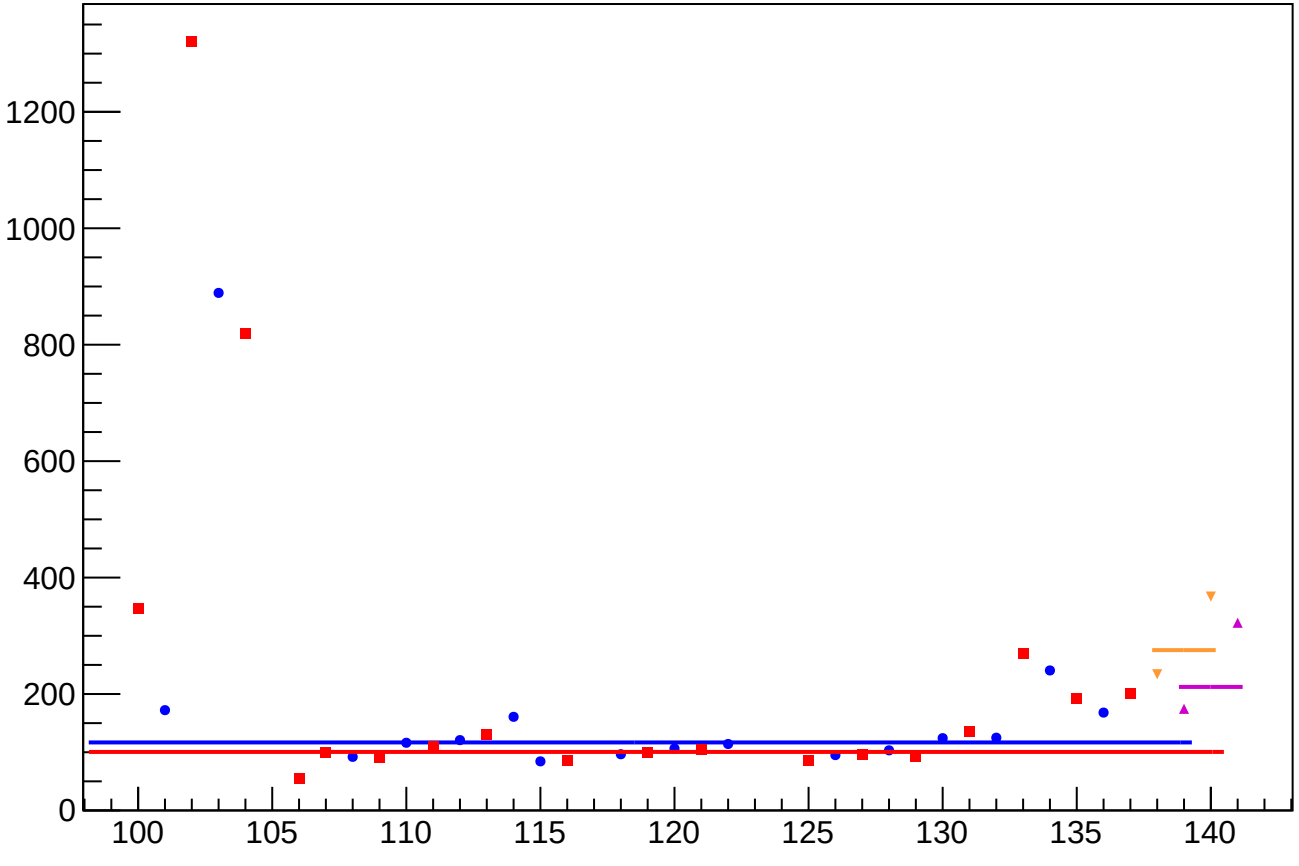
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.058+/-0.046 χ^2/NDF:15.0/17

Out: -0.016+/-0.043 χ^2/NDF:27.7/19

All: 0.018+/-0.031 χ^2/NDF: 44.1/37

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 275.403+/-0.160 χ^2/NDF:149058.6/1

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 212.192+/-0.123 χ^2/NDF:274430.1/1

Left: 235.664+/-0.097 χ^2/NDF: 521724.6/3

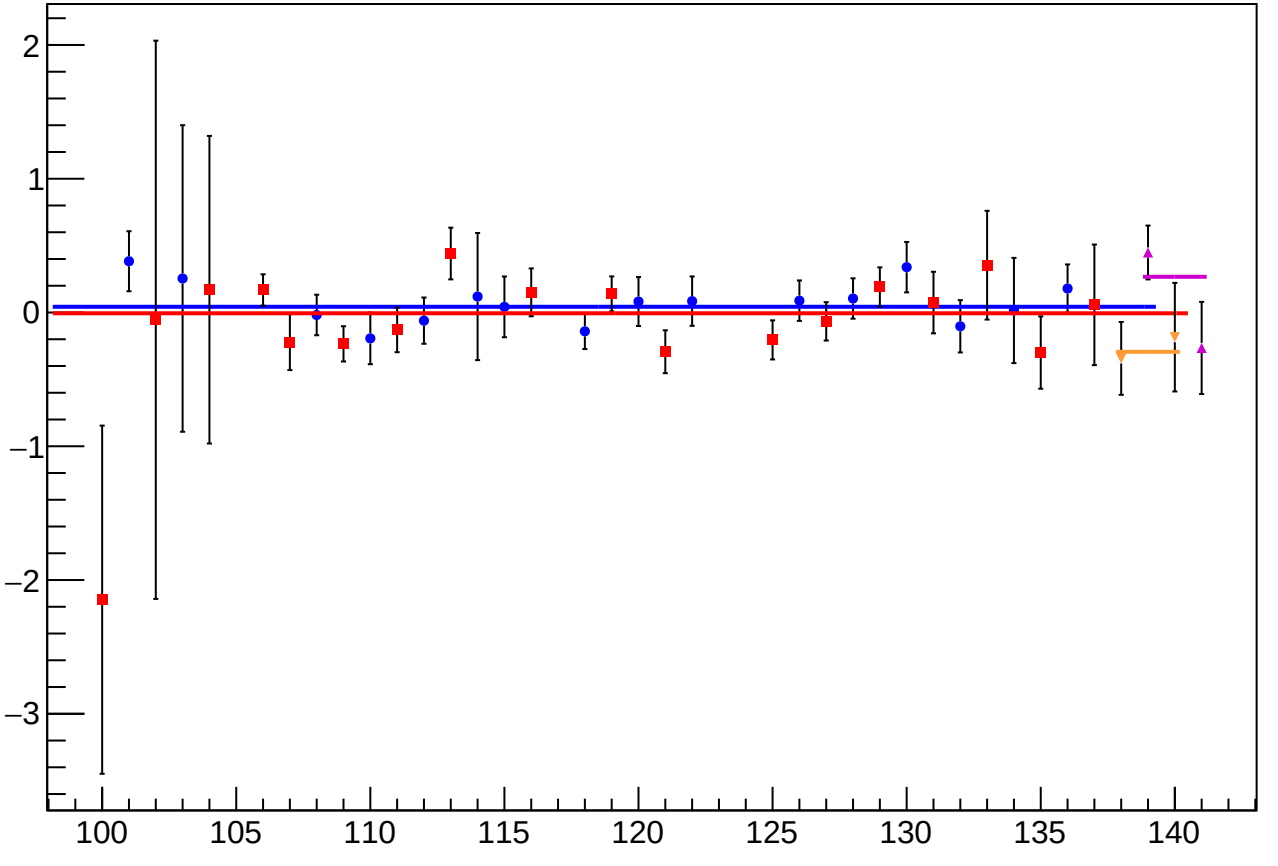
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 123.459+/-0.032 χ^2/NDF:2455432.1/17

Out: 106.749+/-0.030 χ^2/NDF:3966601.3/19

All: 114.503+/-0.022 χ^2/NDF: 6564804.9/37

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.294+/-0.226 χ^2/NDF:0.1/1

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.267+/-0.174 χ^2/NDF:3.2/1

Left: 0.059+/-0.138 χ^2/NDF: 7.2/3

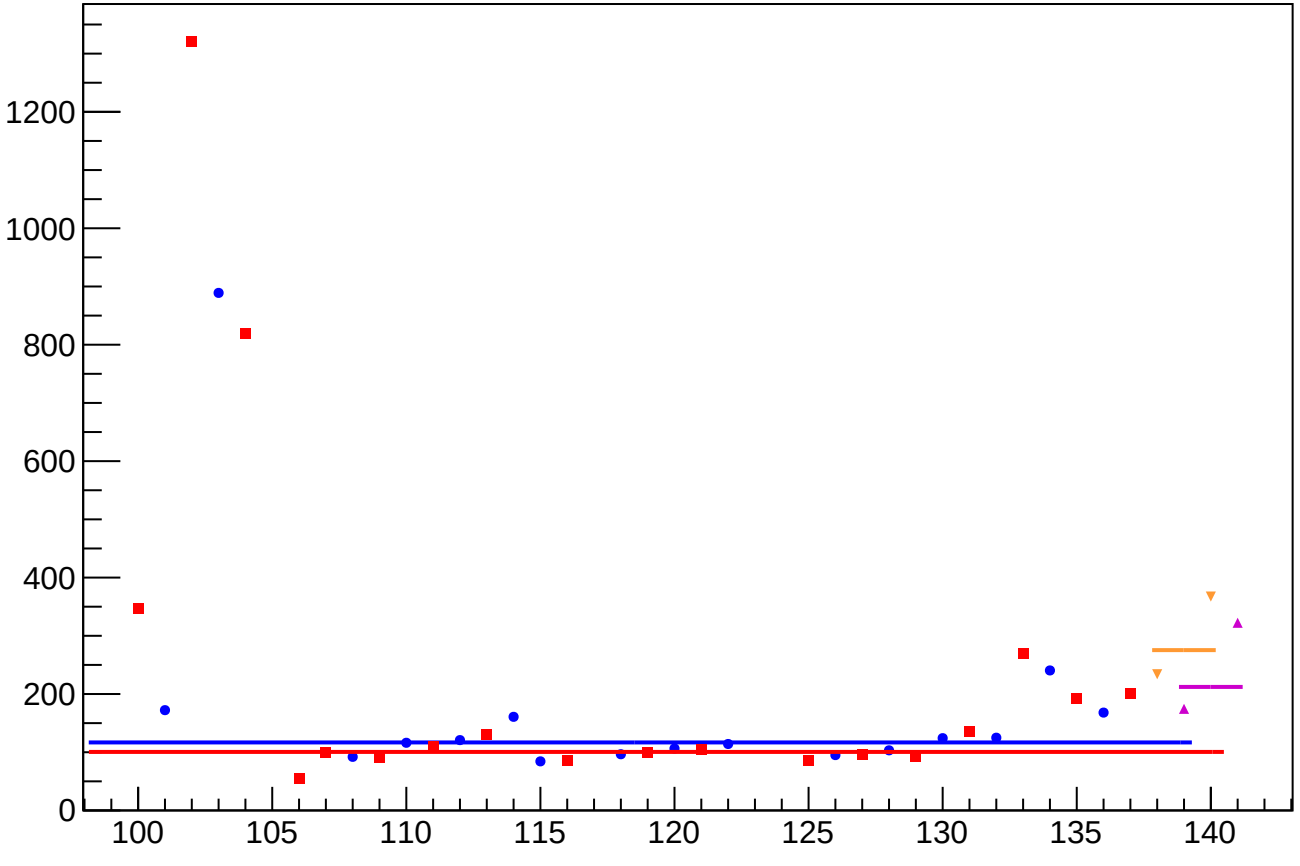
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.058+/-0.046 χ^2/NDF:15.0/17

Out: -0.016+/-0.043 χ^2/NDF:27.7/19

All: 0.018+/-0.031 χ^2/NDF: 44.1/37

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 275.403+/-0.160 χ^2/NDF:149058.6/1

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 212.192+/-0.123 χ^2/NDF:274430.1/1

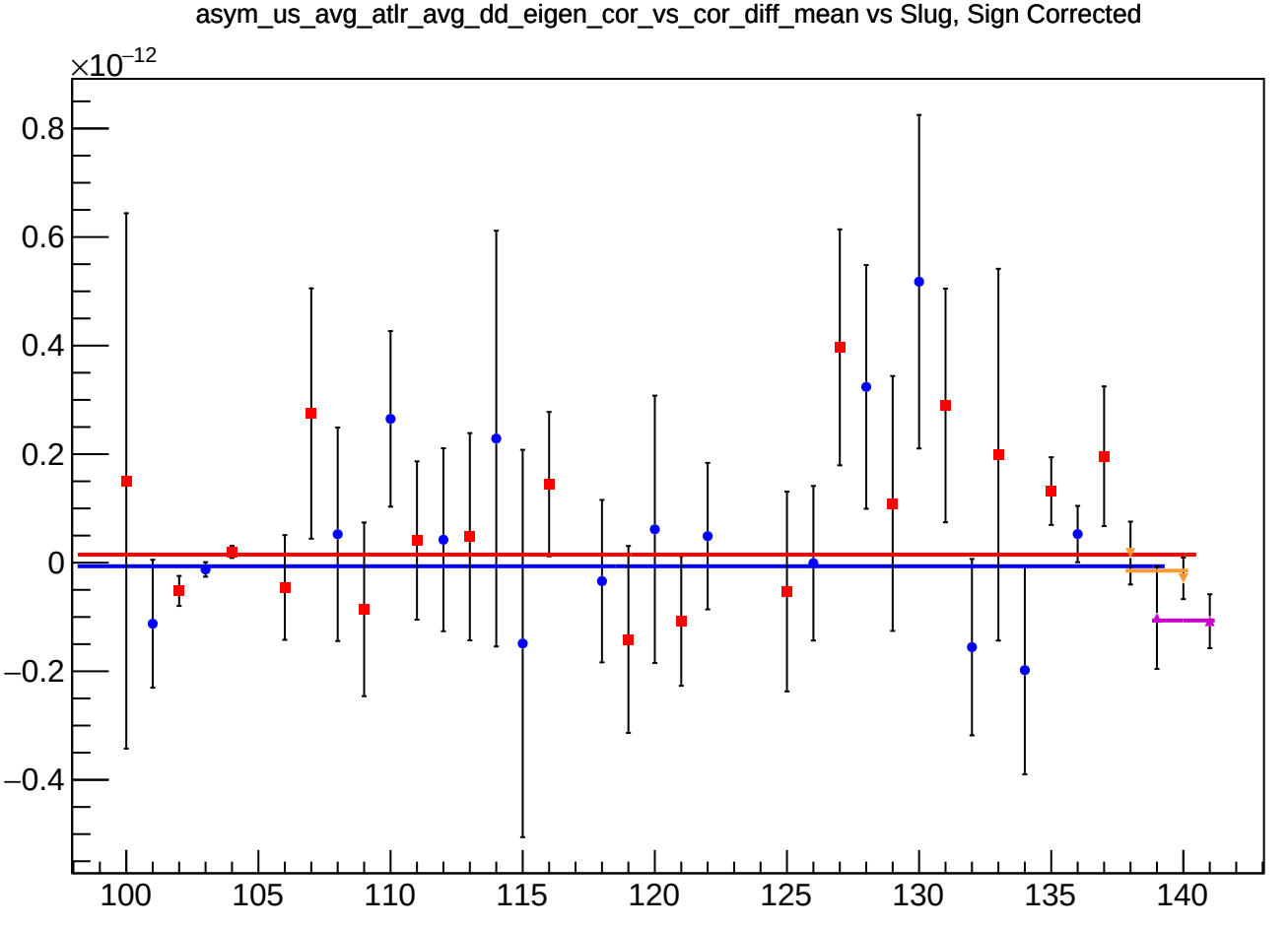
Left: 235.664+/-0.097 χ^2/NDF: 521724.6/3

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 123.459+/-0.032 χ^2/NDF:2455432.1/17

Out: 106.749+/-0.030 χ^2/NDF:3966601.3/19

All: 114.503+/-0.022 χ^2/NDF: 6564804.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

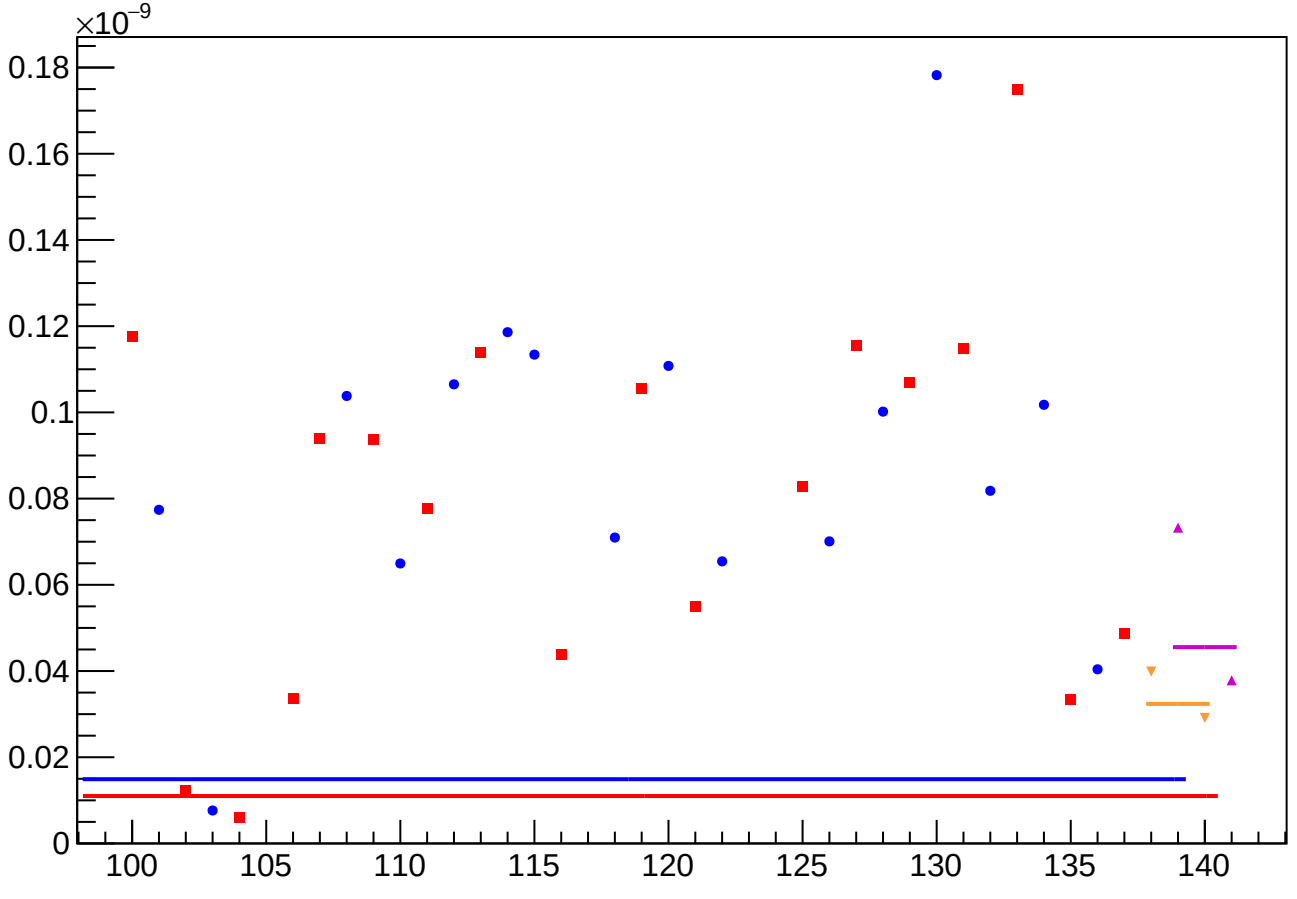
Left: -0.000+/-0.000 χ^2/NDF: 3.3/3

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:17.8/17

Out: 0.000+/-0.000 χ^2/NDF:23.1/19

All: 0.000+/-0.000 χ^2/NDF: 43.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:48175.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:221177.9/1

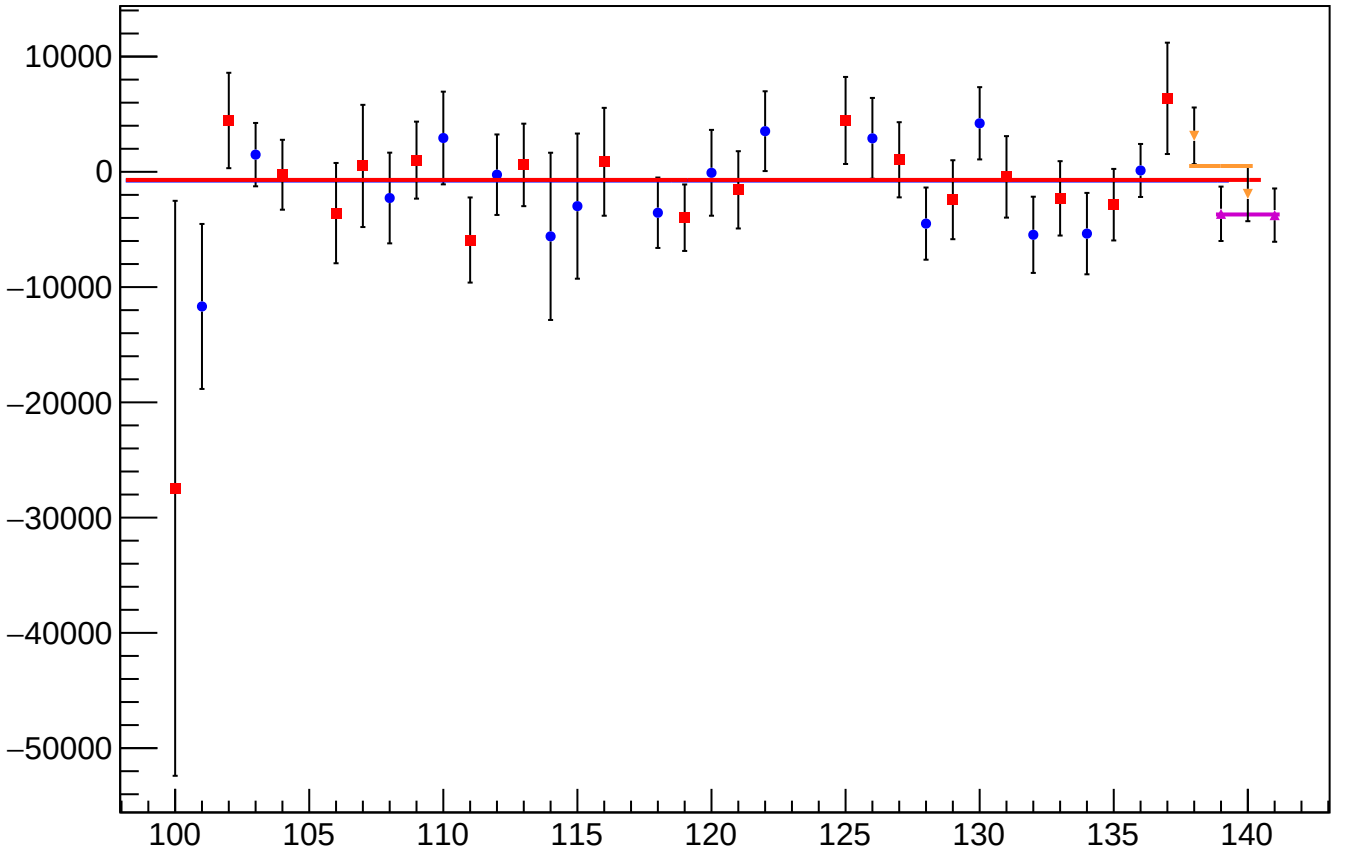
Left: 0.000+/-0.000 χ^2/NDF: 387124.9/3

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:7014893.0/17

Out: 0.000+/-0.000 χ^2/NDF:6735080.3/19

All: 0.000+/-0.000 χ^2/NDF: 13909869.8/37



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: 505.533+/-1704.969 χ^2/NDF:2.2/1

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -3700.254+/-1651.617 χ^2/NDF:0.0/1

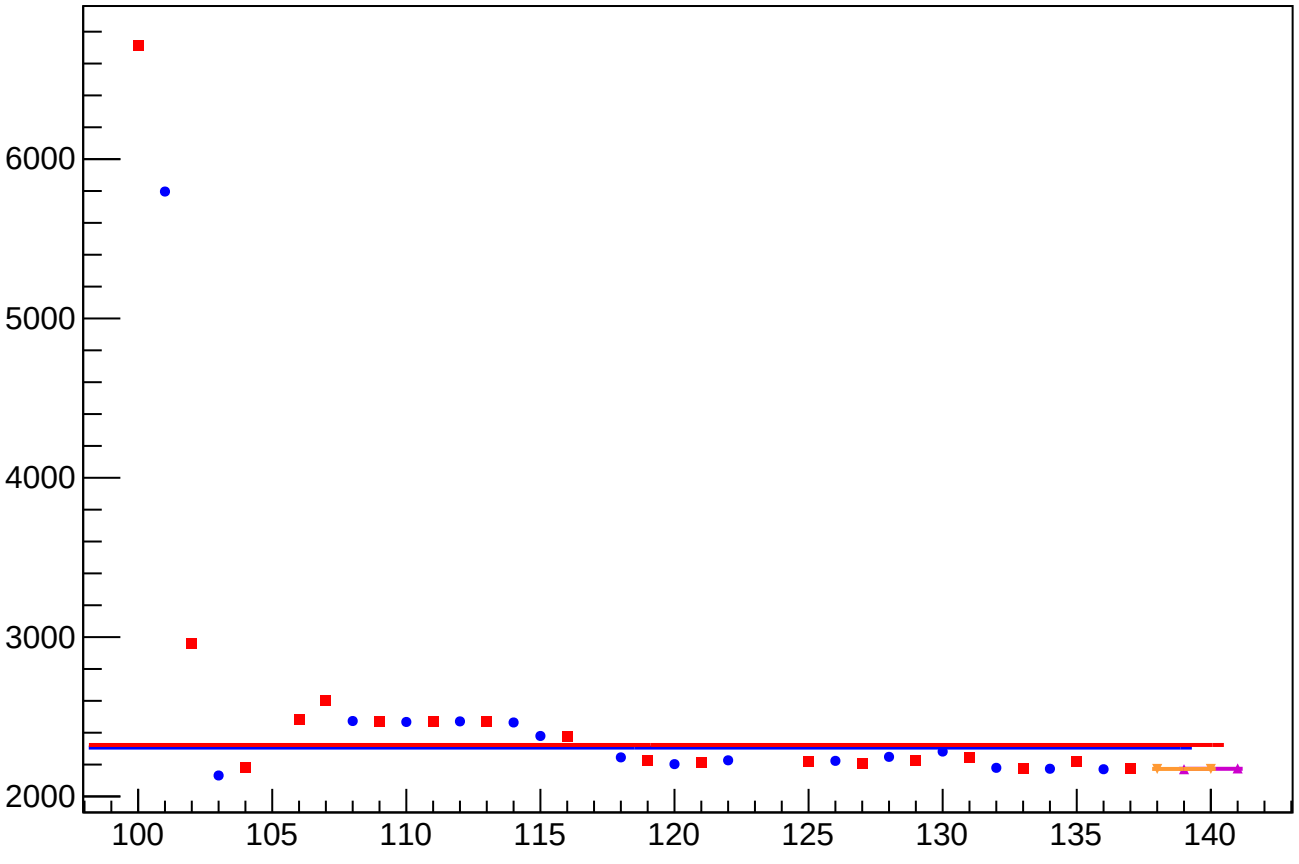
Left: -1664.194+/-1186.283 χ^2/NDF: 5.3/3

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -1397.221+/-771.574 χ^2/NDF:18.4/17

Out: -453.311+/-773.984 χ^2/NDF:14.9/19

All: -926.738+/-546.435 χ^2/NDF: 34.1/37



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2172.587+/-1.206 χ^2/NDF:0.0/1

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2173.501+/-1.168 χ^2/NDF:4.5/1

Left: 2173.059+/-0.839 χ^2/NDF: 4.8/3

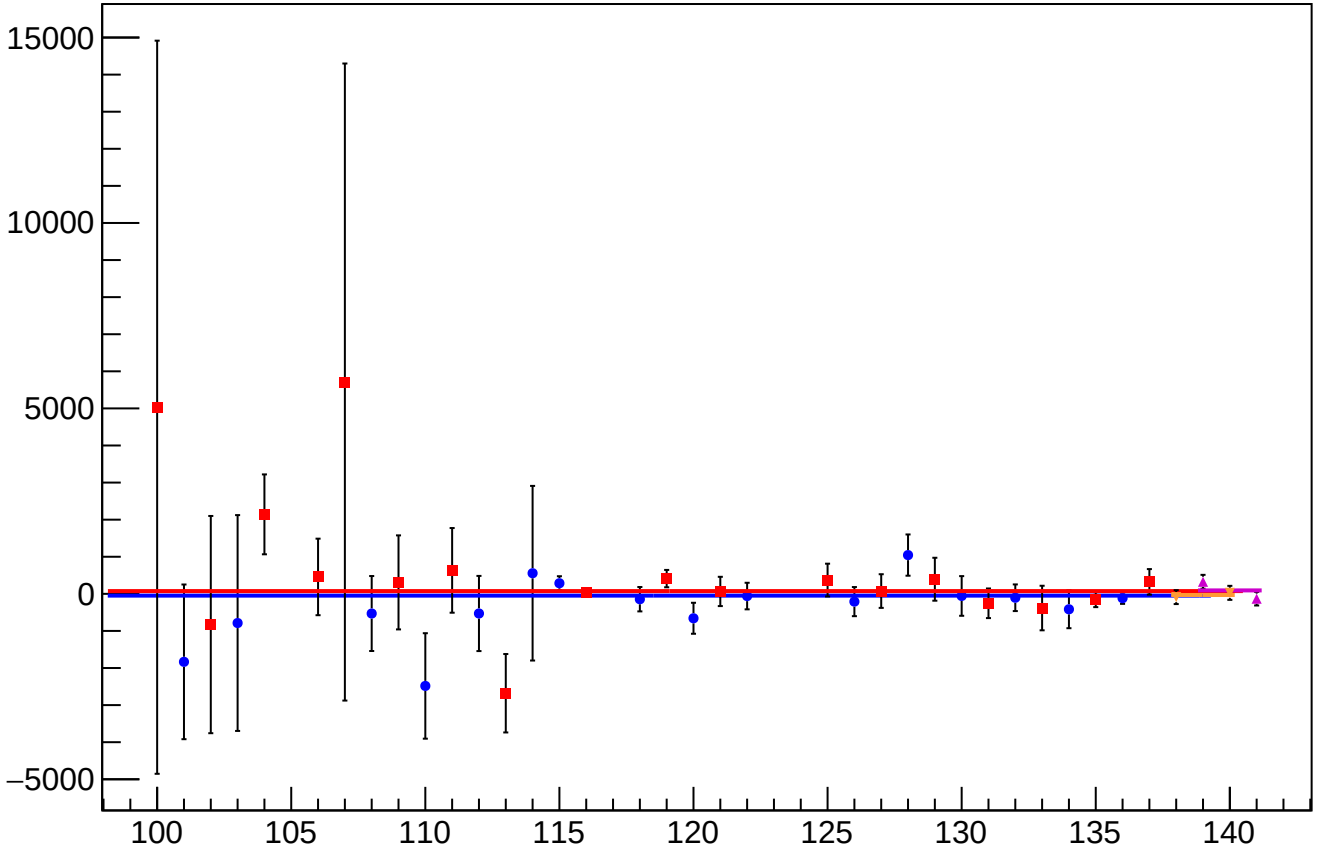
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2277.586+/-0.546 χ^2/NDF:524315.3/17

Out: 2292.012+/-0.547 χ^2/NDF:164146.7/19

All: 2284.776+/-0.386 χ^2/NDF: 688810.5/37

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -31.331+/-133.036 χ^2/NDF:0.2/1

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 92.577+/-130.637 χ^2/NDF:3.0/1

Left: 31.751+/-93.211 χ^2/NDF: 3.7/3

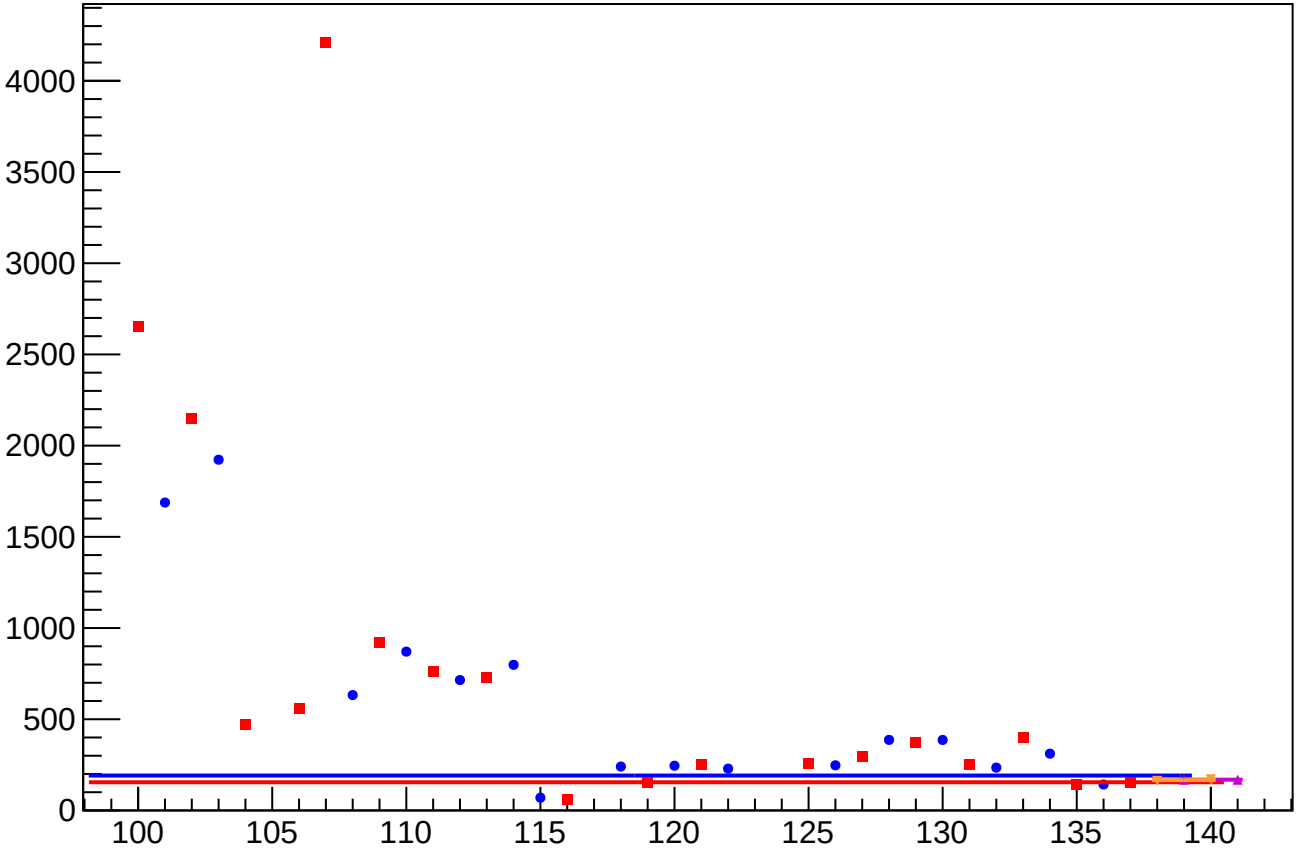
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: -2.081+/-74.622 χ^2/NDF:18.2/17

Out: 44.948+/-70.041 χ^2/NDF:18.3/19

All: 22.921+/-51.069 χ^2/NDF: 36.7/37

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 166.452+/-0.094 χ^2/NDF:2300.3/1

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 168.694+/-0.092 χ^2/NDF:3.2/1

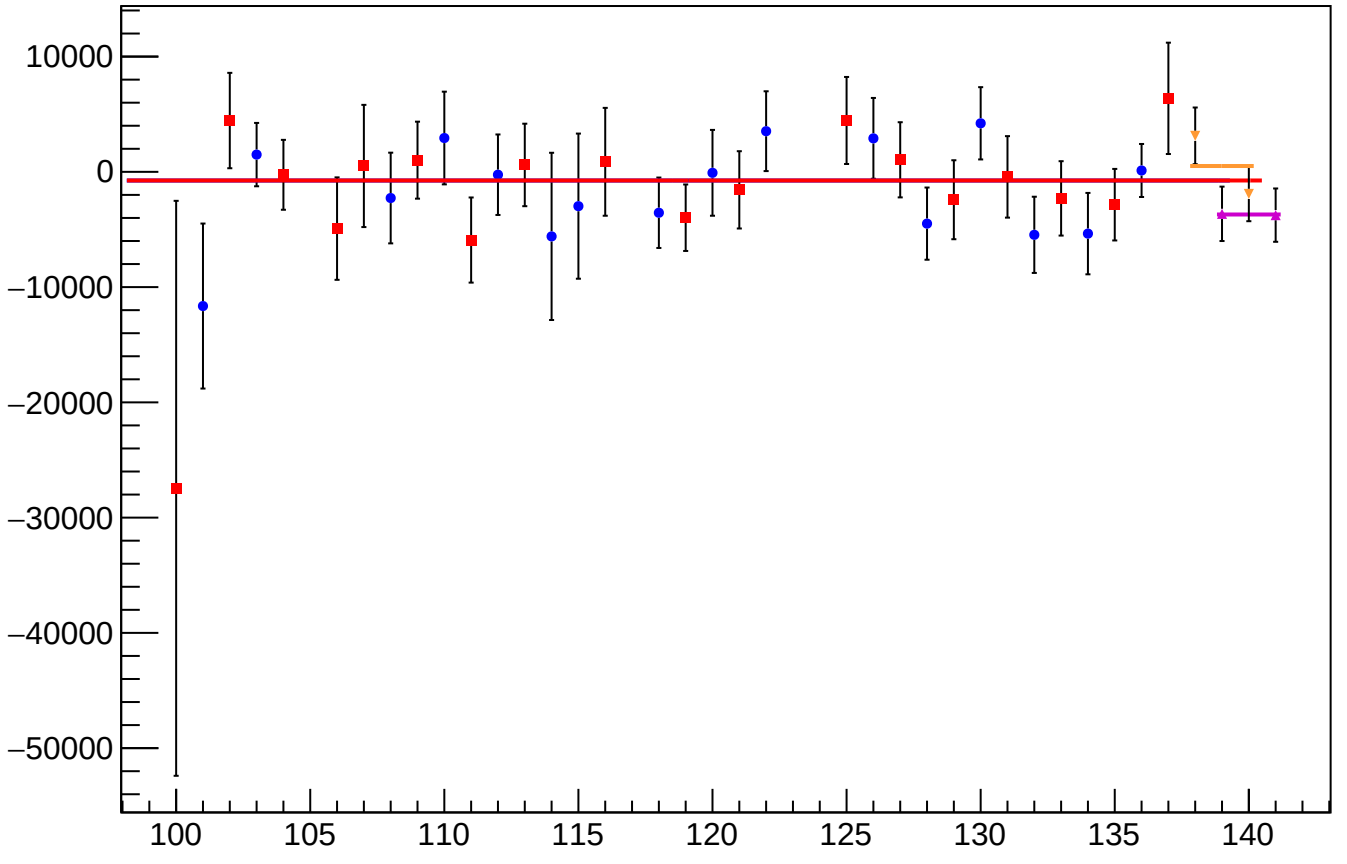
Left: 167.594+/-0.066 χ^2/NDF: 2592.8/3

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 183.978+/-0.053 χ^2/NDF:5105385.2/17

Out: 157.941+/-0.050 χ^2/NDF:6167912.0/19

All: 170.136+/-0.036 χ^2/NDF: 11402750.0/37



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: 505.592+/-1704.970 χ^2/NDF:2.2/1

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -3700.313+/-1651.617 χ^2/NDF:0.0/1

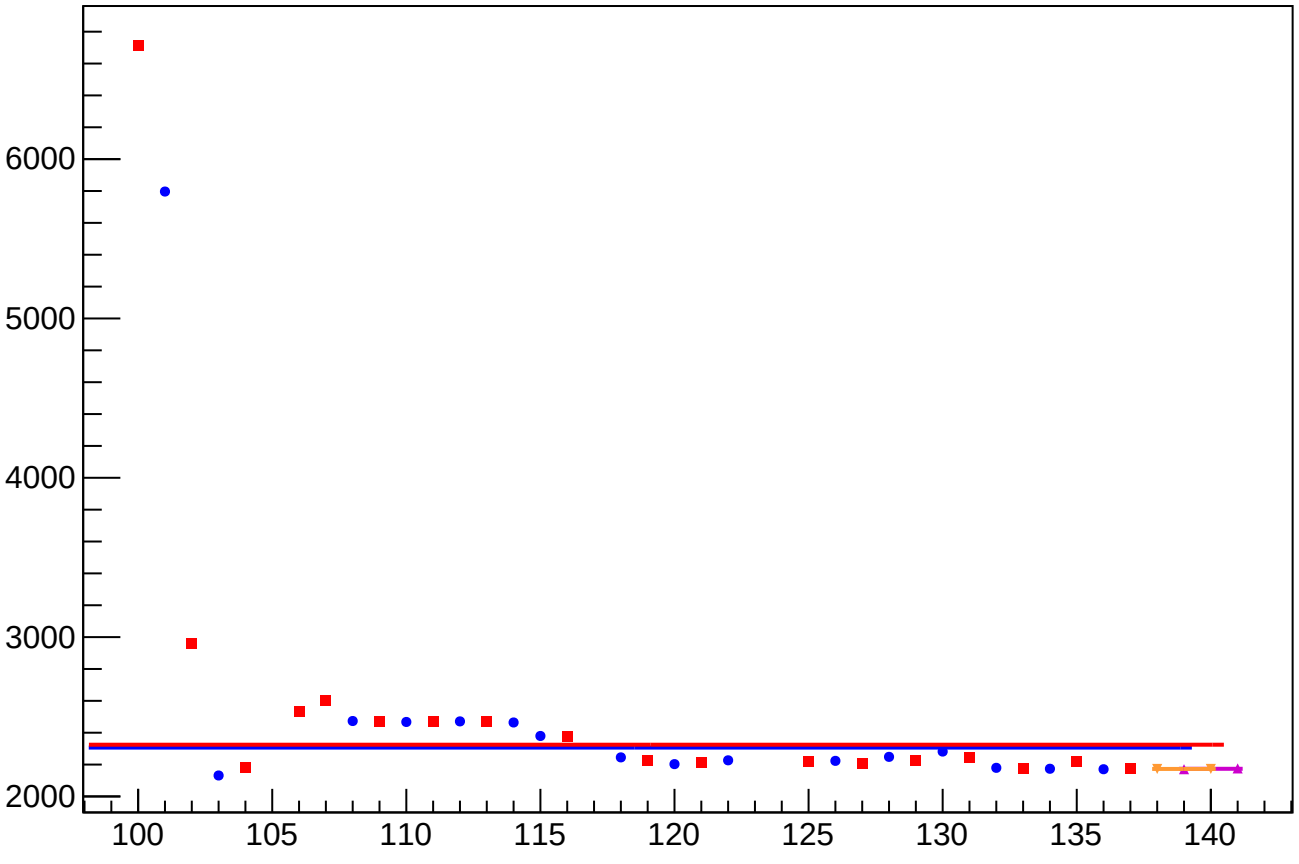
Left: -1664.196+/-1186.283 χ^2/NDF: 5.3/3

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1396.477+/-771.574 χ^2/NDF:18.4/17

Out: -490.368+/-774.493 χ^2/NDF:15.4/19

All: -945.133+/-546.614 χ^2/NDF: 34.5/37



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2172.587+/-1.206 χ^2/NDF:0.0/1

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2173.501+/-1.168 χ^2/NDF:4.5/1

Left: 2173.059+/-0.839 χ^2/NDF: 4.8/3

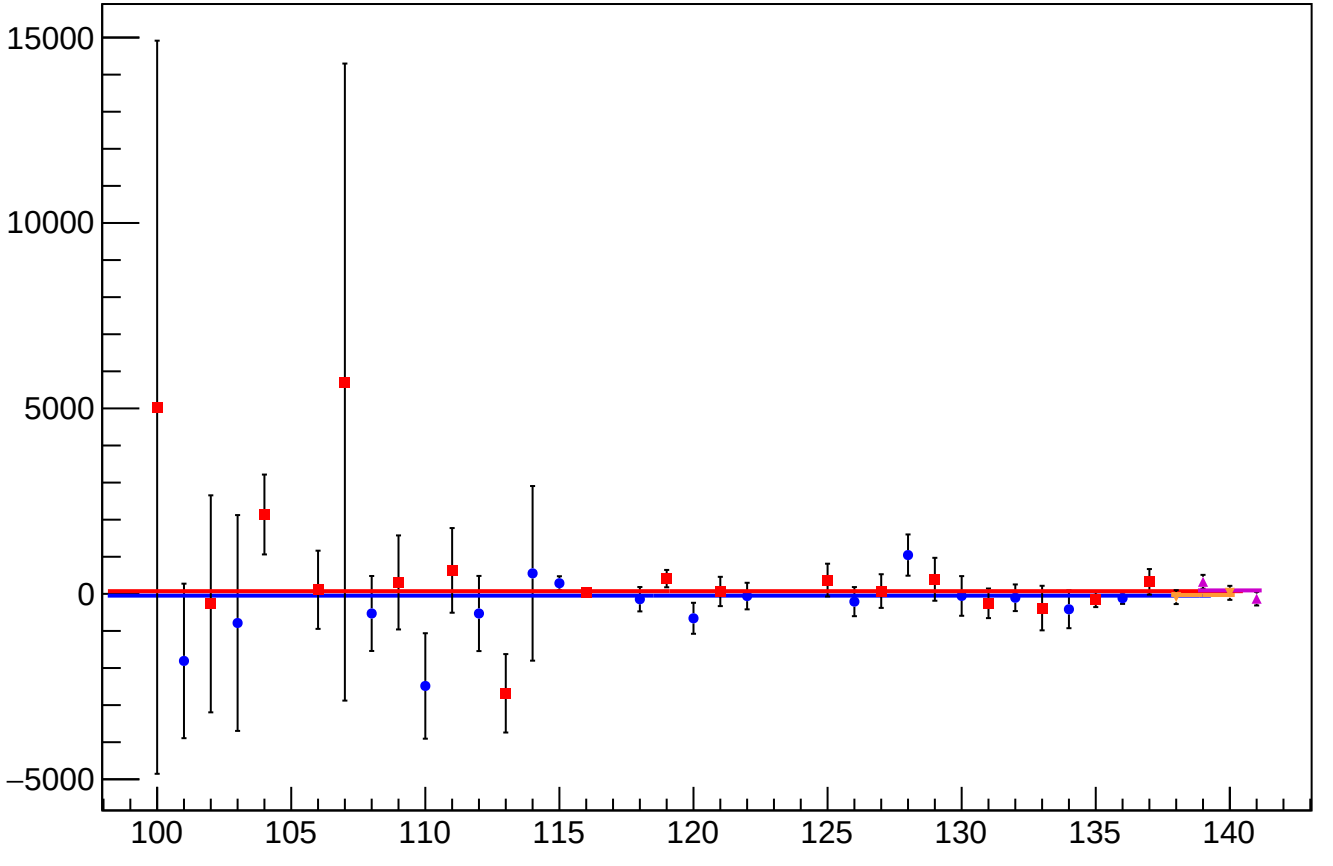
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2277.586+/-0.546 χ^2/NDF:524315.7/17

Out: 2293.300+/-0.548 χ^2/NDF:166210.5/19

All: 2285.413+/-0.387 χ^2/NDF: 690939.3/37

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -31.115+/-133.030 χ^2/NDF:0.2/1

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 92.876+/-130.642 χ^2/NDF:3.0/1

Left: 32.004+/-93.211 χ^2/NDF: 3.7/3

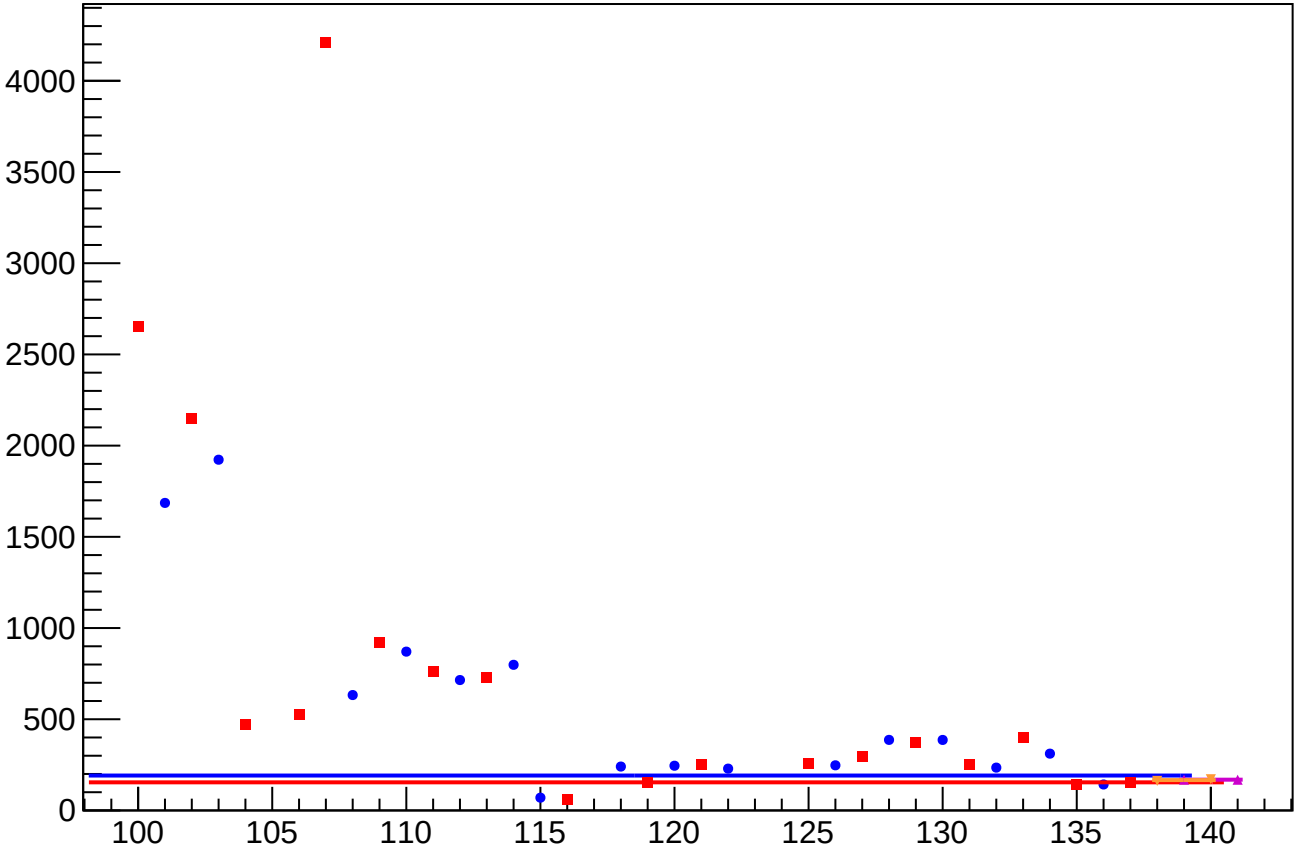
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: -2.005+/-74.626 χ^2/NDF:18.2/17

Out: 43.590+/-70.003 χ^2/NDF:18.0/19

All: 22.249+/-51.056 χ^2/NDF: 36.4/37

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 166.444+/-0.094 χ^2/NDF:2299.3/1

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 168.698+/-0.092 χ^2/NDF:3.4/1

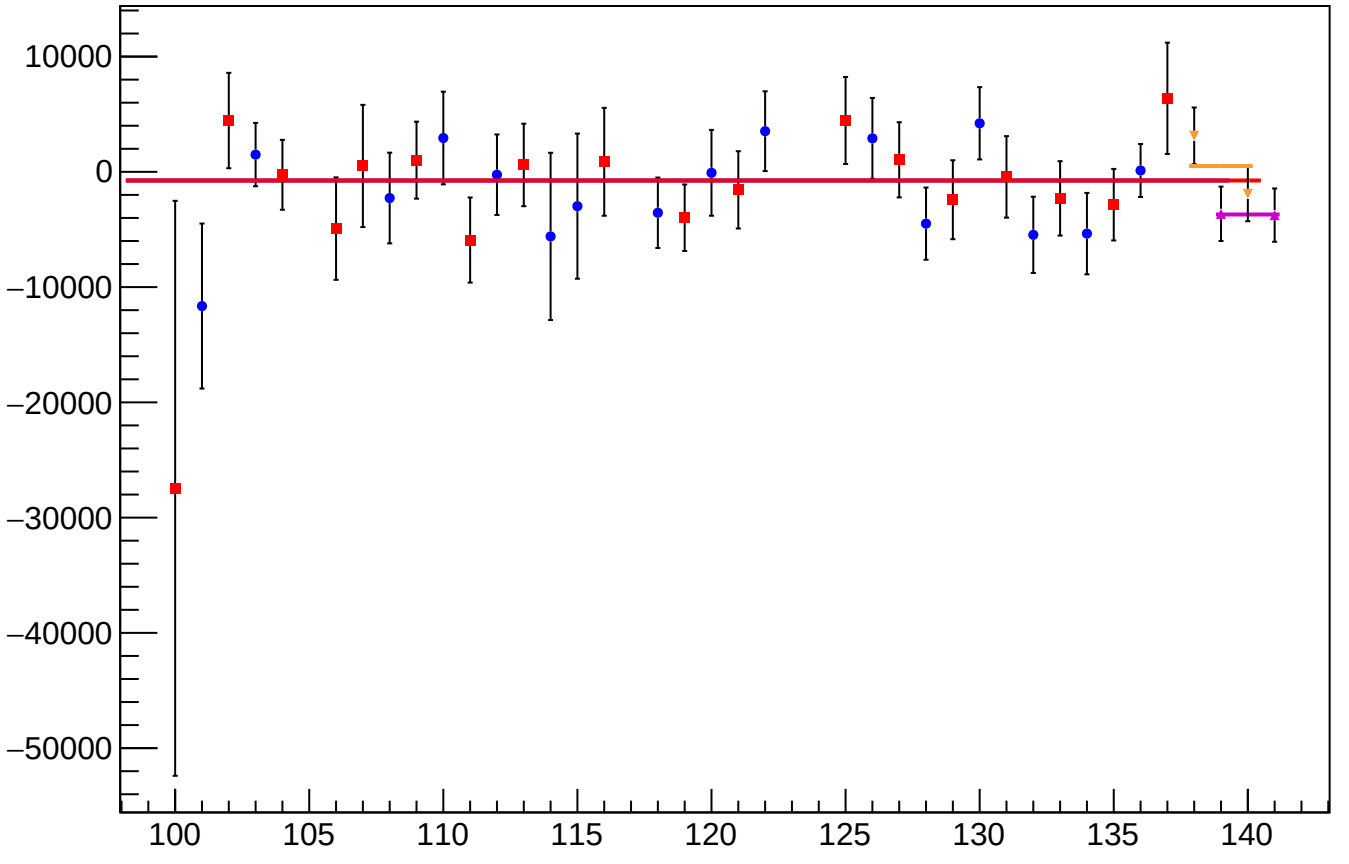
Left: 167.592+/-0.066 χ^2/NDF: 2595.1/3

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 183.996+/-0.053 χ^2/NDF:5104310.9/17

Out: 157.533+/-0.049 χ^2/NDF:6123373.9/19

All: 169.919+/-0.036 χ^2/NDF: 11361456.9/37



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: 505.592+/-1704.970 χ^2/NDF:2.2/1

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -3700.313+/-1651.617 χ^2/NDF:0.0/1

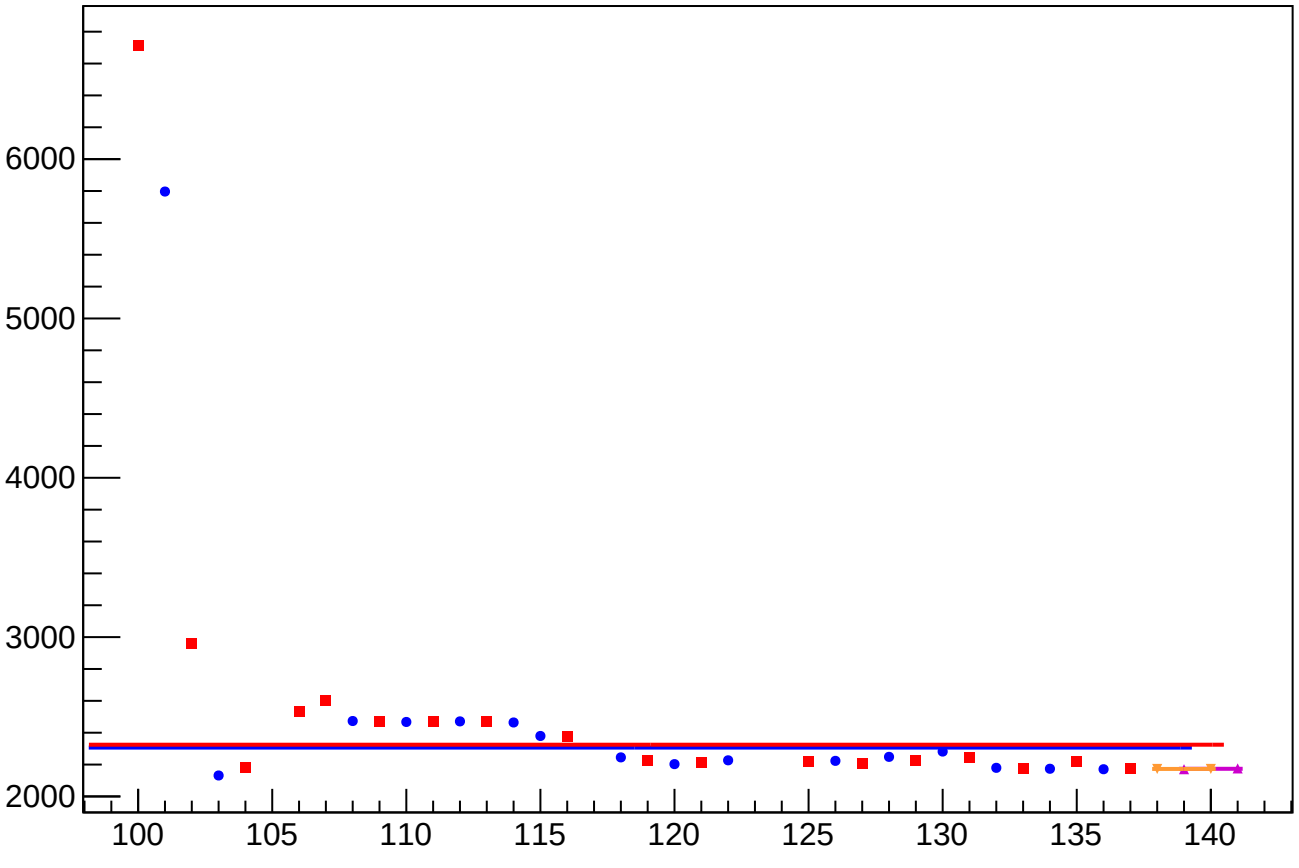
Left: -1664.196+/-1186.283 χ^2/NDF: 5.3/3

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1396.477+/-771.574 χ^2/NDF:18.4/17

Out: -490.368+/-774.493 χ^2/NDF:15.4/19

All: -945.133+/-546.614 χ^2/NDF: 34.5/37



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2172.587+/-1.206 χ^2/NDF:0.0/1

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2173.501+/-1.168 χ^2/NDF:4.5/1

Left: 2173.059+/-0.839 χ^2/NDF: 4.8/3

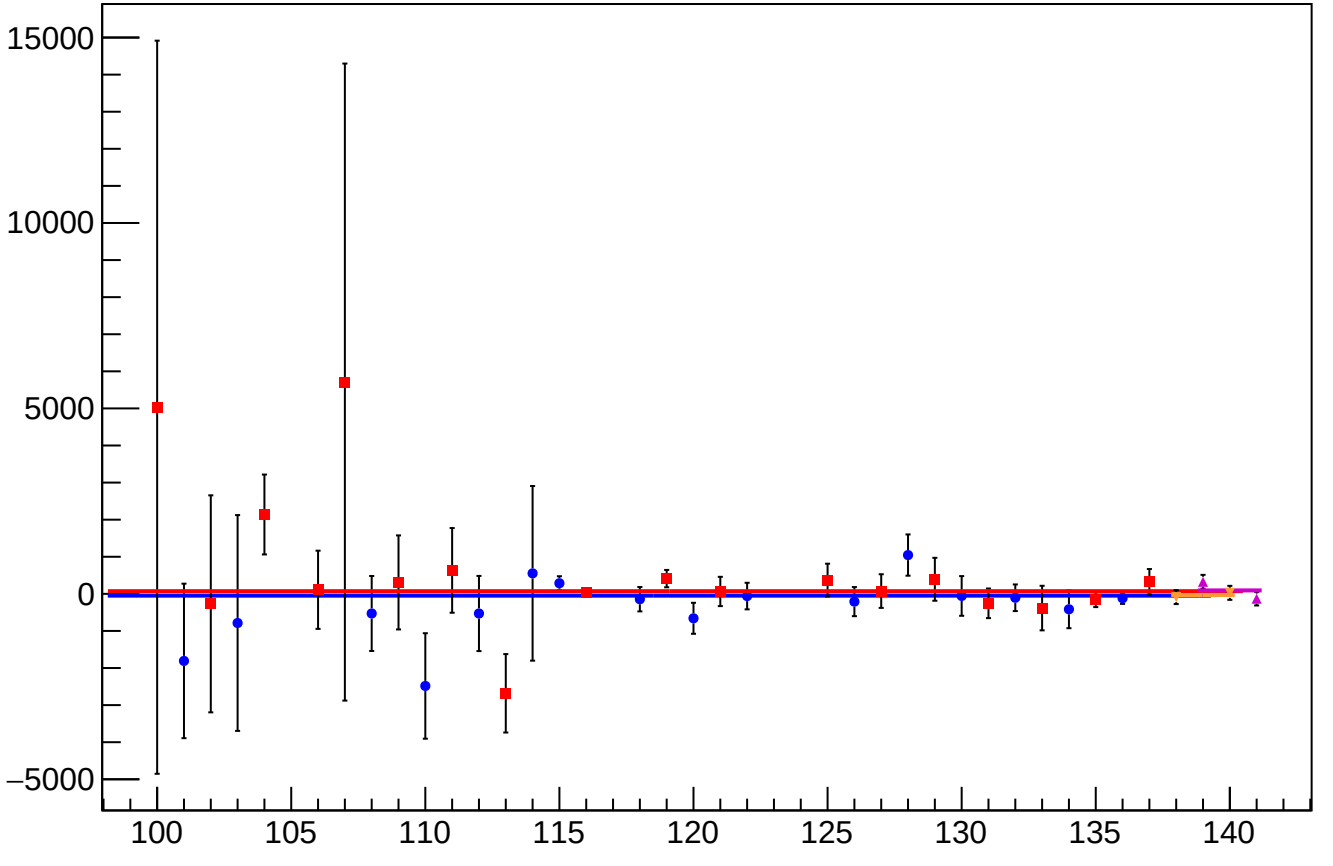
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2277.586+/-0.546 χ^2/NDF:524315.7/17

Out: 2293.300+/-0.548 χ^2/NDF:166210.5/19

All: 2285.413+/-0.387 χ^2/NDF: 690939.3/37

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -31.115+/-133.030 χ^2/NDF:0.2/1

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 92.876+/-130.642 χ^2/NDF:3.0/1

Left: 32.004+/-93.211 χ^2/NDF: 3.7/3

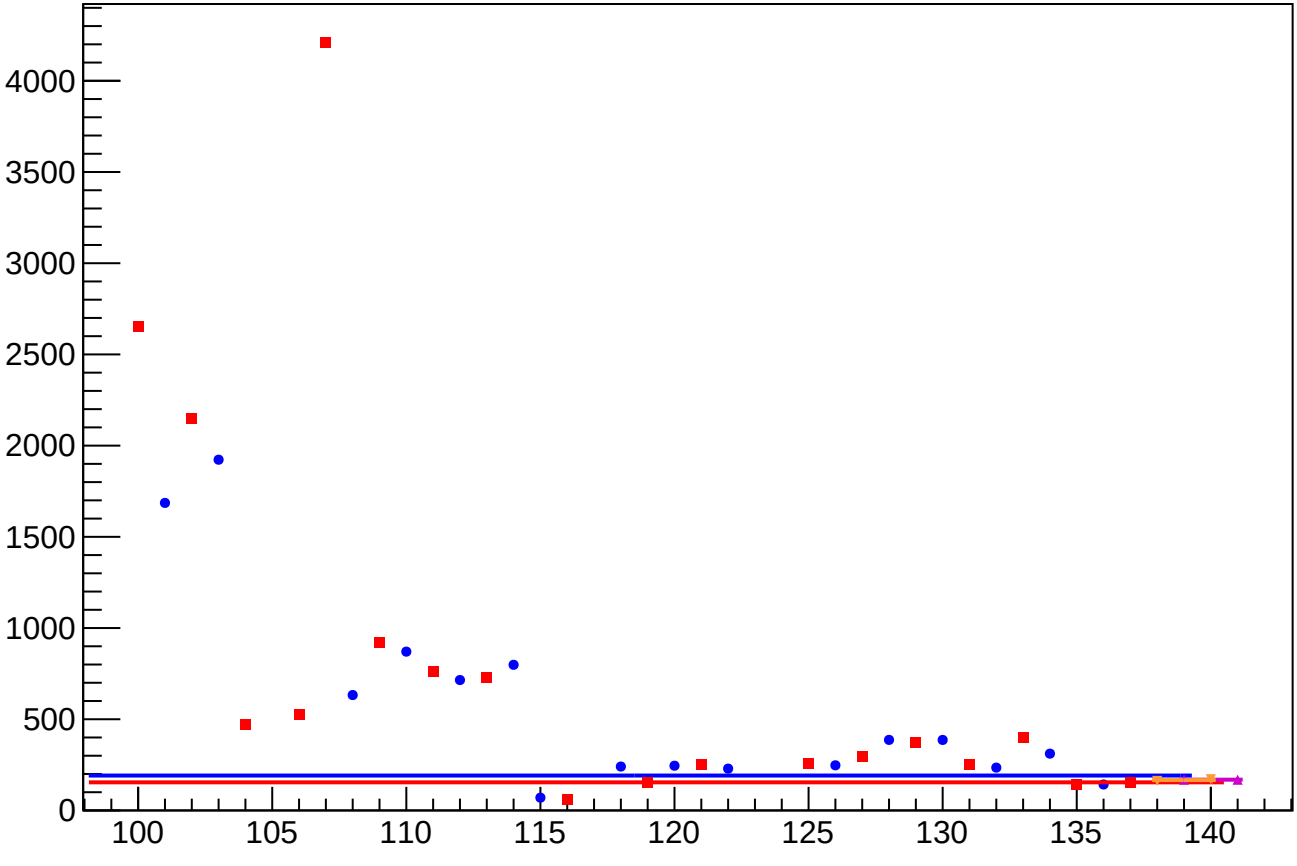
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: -2.005+/-74.626 χ^2/NDF:18.2/17

Out: 43.590+/-70.003 χ^2/NDF:18.0/19

All: 22.249+/-51.056 χ^2/NDF: 36.4/37

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 166.444+/-0.094 χ^2/NDF:2299.3/1

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 168.698+/-0.092 χ^2/NDF:3.4/1

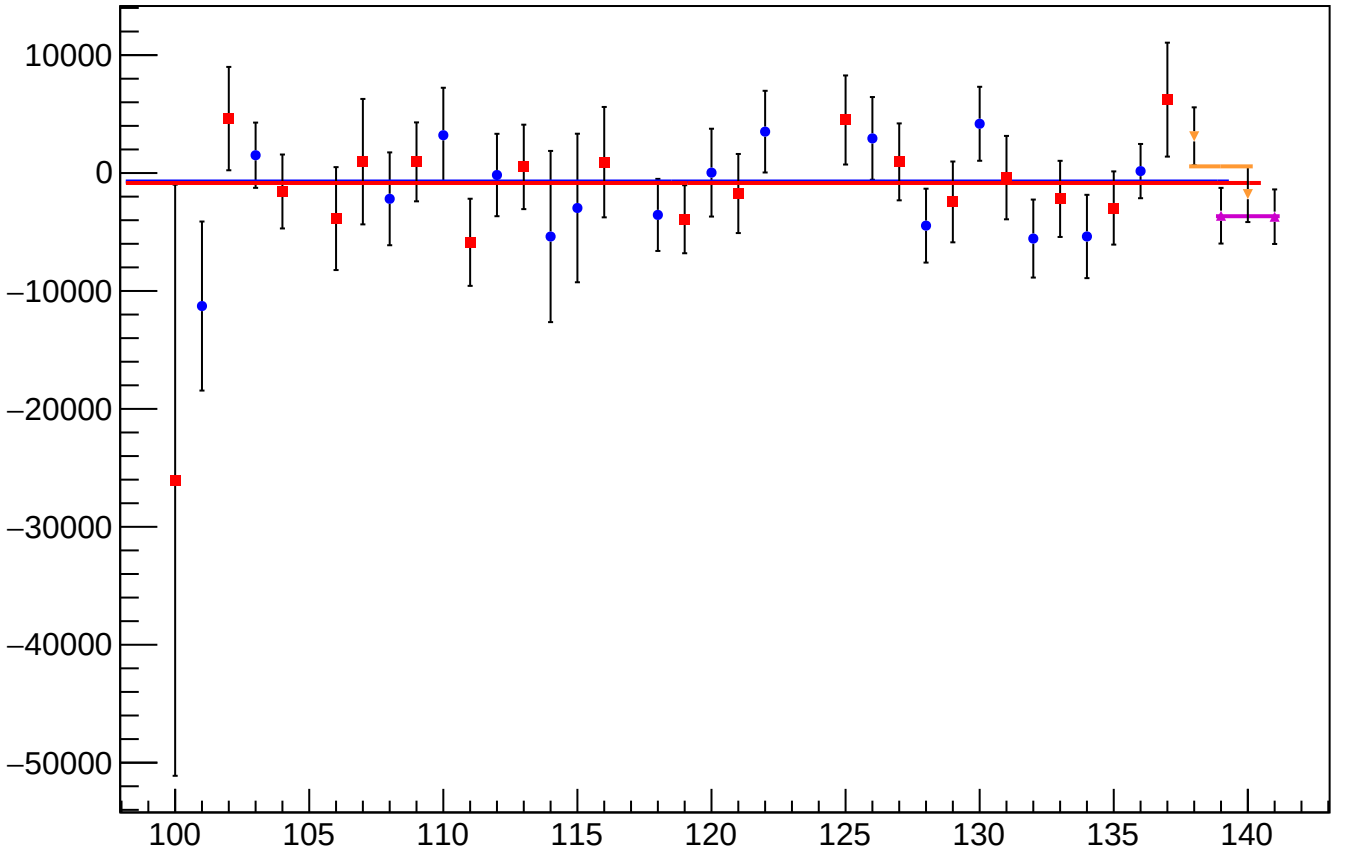
Left: 167.592+/-0.066 χ^2/NDF: 2595.1/3

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 183.996+/-0.053 χ^2/NDF:5104310.9/17

Out: 157.533+/-0.049 χ^2/NDF:6123373.9/19

All: 169.919+/-0.036 χ^2/NDF: 11361456.9/37



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: 565.674+/-1705.645 χ^2/NDF:2.1/1

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -3661.141+/-1652.219 χ^2/NDF:0.0/1

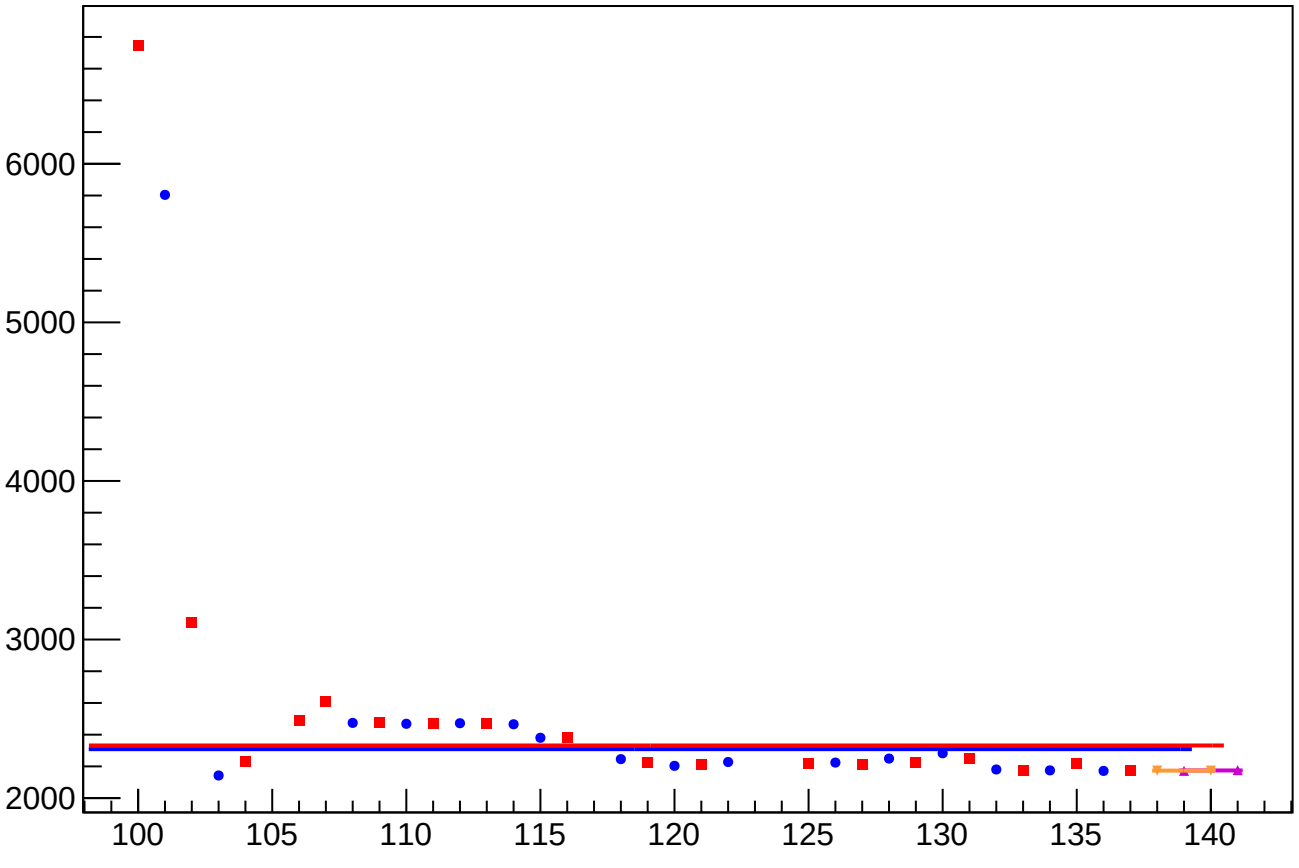
Left: -1614.968+/-1186.734 χ^2/NDF: 5.2/3

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -1360.294+/-772.248 χ^2/NDF:18.3/17

Out: -549.597+/-777.536 χ^2/NDF:14.8/19

All: -957.712+/-547.922 χ^2/NDF: 33.6/37



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2173.448+/-1.206 χ^2/NDF:0.0/1

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2174.293+/-1.168 χ^2/NDF:3.9/1

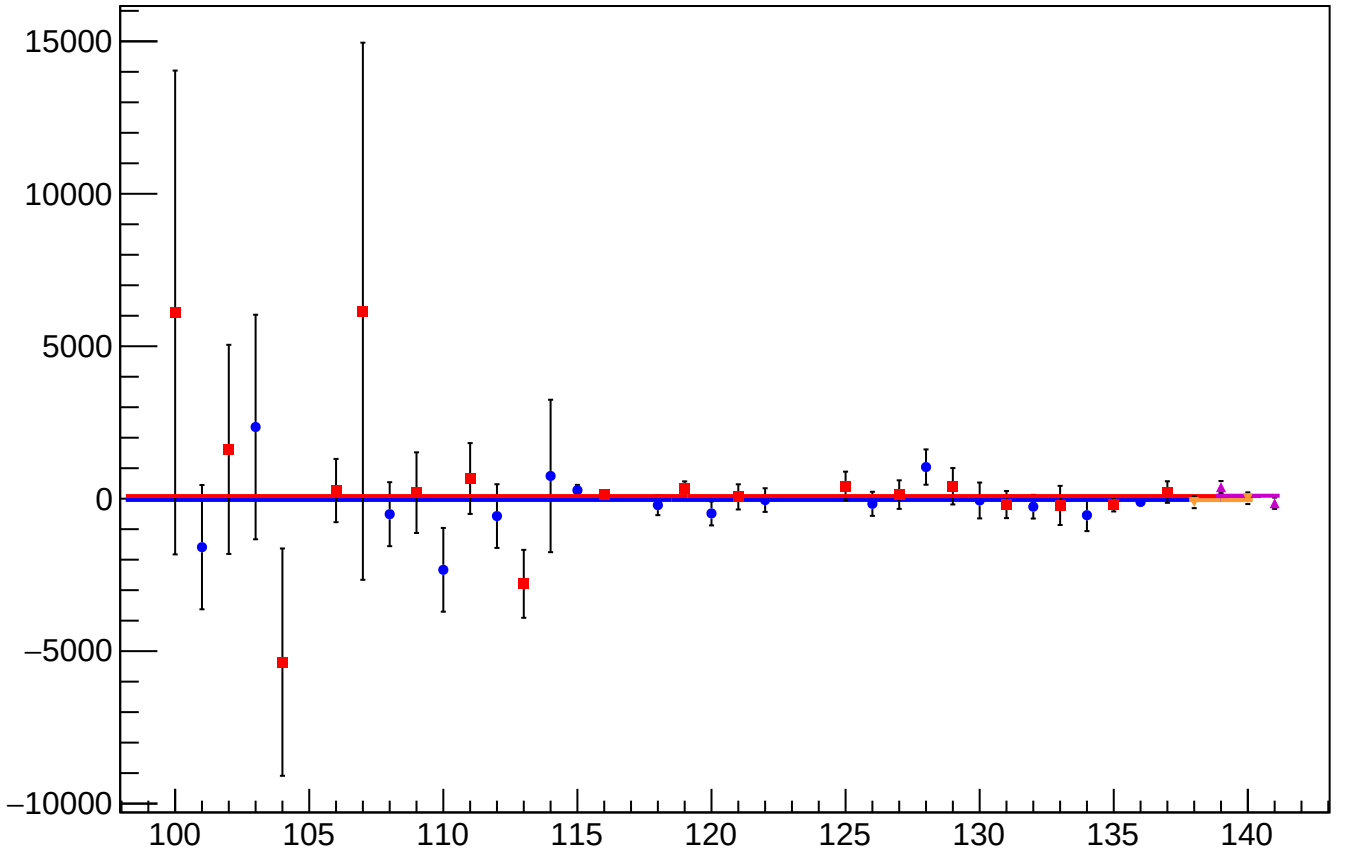
Left: 2173.884+/-0.839 χ^2/NDF: 4.2/3

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2279.368+/-0.546 χ^2/NDF:524096.1/17

Out: 2298.932+/-0.550 χ^2/NDF:180986.3/19

All: 2289.083+/-0.387 χ^2/NDF: 705719.9/37



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -45.653+/-138.037 χ^2/NDF:0.2/1

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 97.450+/-135.776 χ^2/NDF:3.8/1

Left: 27.080+/-96.798 χ^2/NDF: 4.5/3

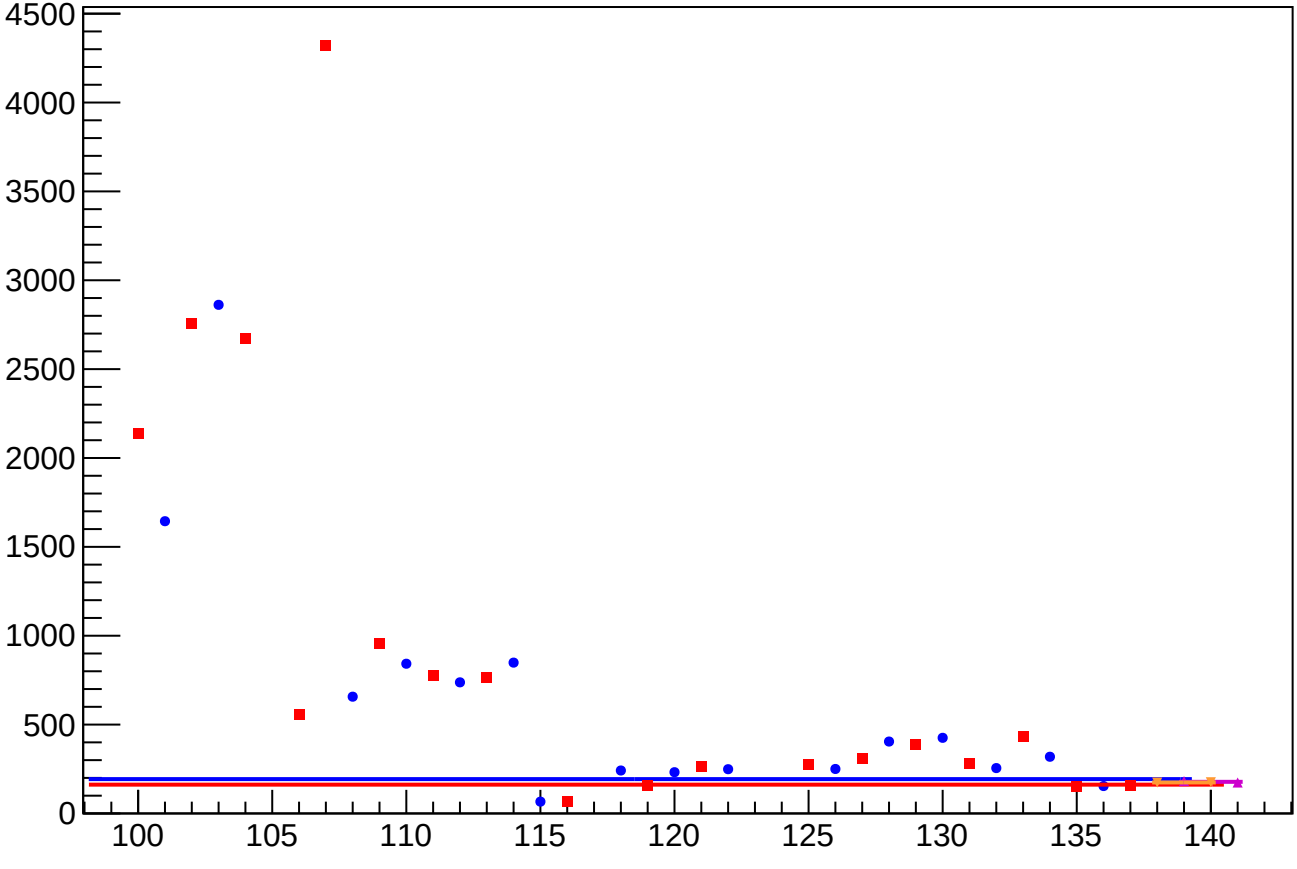
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 3.432+/-76.394 χ^2/NDF:18.5/17

Out: 49.406+/-73.046 χ^2/NDF:15.8/19

All: 27.448+/-52.795 χ^2/NDF: 34.5/37

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 174.530+/-0.098 χ^2/NDF:86.5/1

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 177.899+/-0.096 χ^2/NDF:1779.4/1

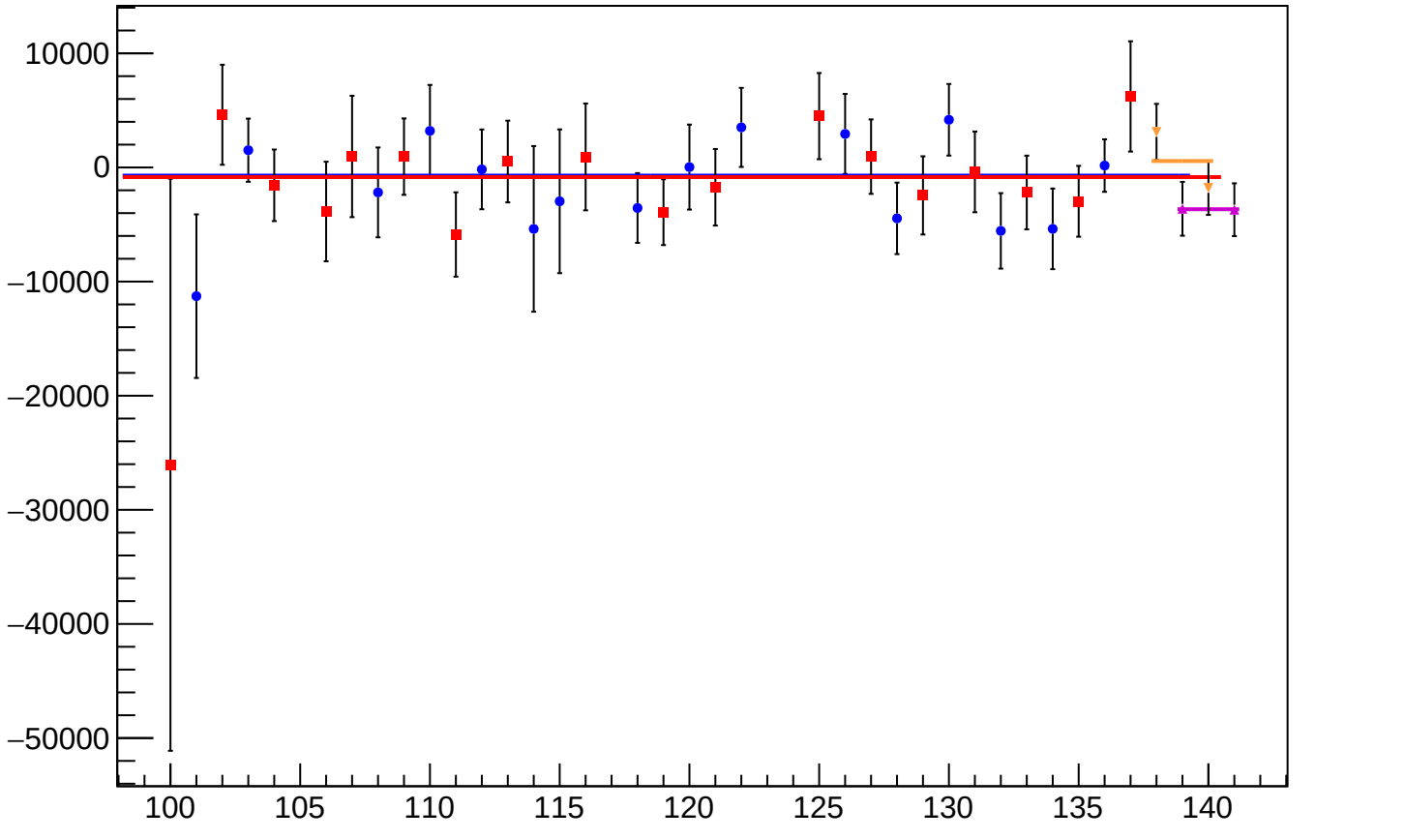
Left: 176.242+/-0.068 χ^2/NDF: 2471.4/3

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 188.394+/-0.054 χ^2/NDF:5637111.5/17

Out: 165.591+/-0.052 χ^2/NDF:7082225.1/19

All: 176.482+/-0.037 χ^2/NDF: 12812422.6/37



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: 565.676+/-1705.645 χ^2/NDF:2.1/1

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -3661.136+/-1652.219 χ^2/NDF:0.0/1

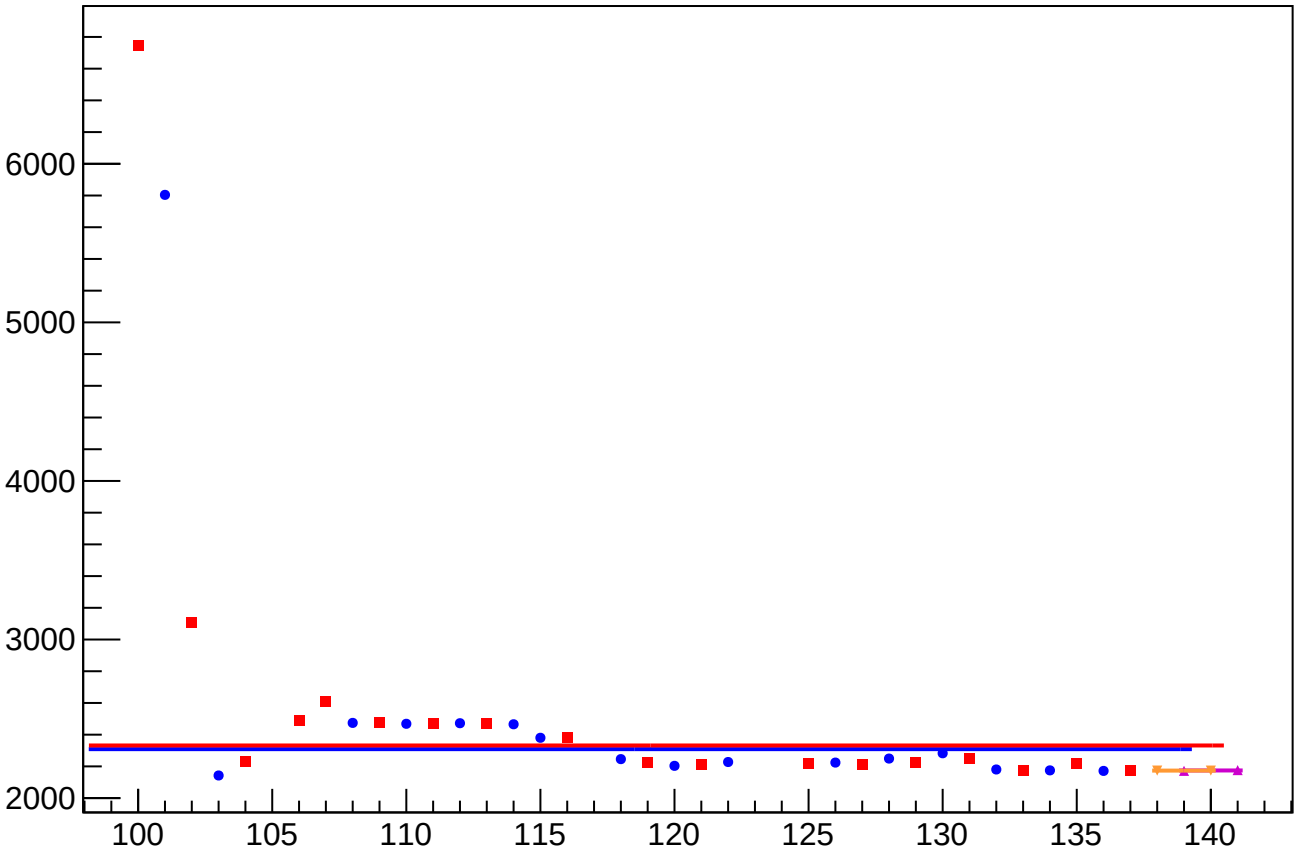
Left: -1614.965+/-1186.734 χ^2/NDF: 5.2/3

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -1360.293+/-772.248 χ^2/NDF:18.3/17

Out: -549.598+/-777.536 χ^2/NDF:14.8/19

All: -957.712+/-547.922 χ^2/NDF: 33.6/37



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2173.448+/-1.206 χ^2/NDF:0.0/1

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2174.293+/-1.168 χ^2/NDF:3.9/1

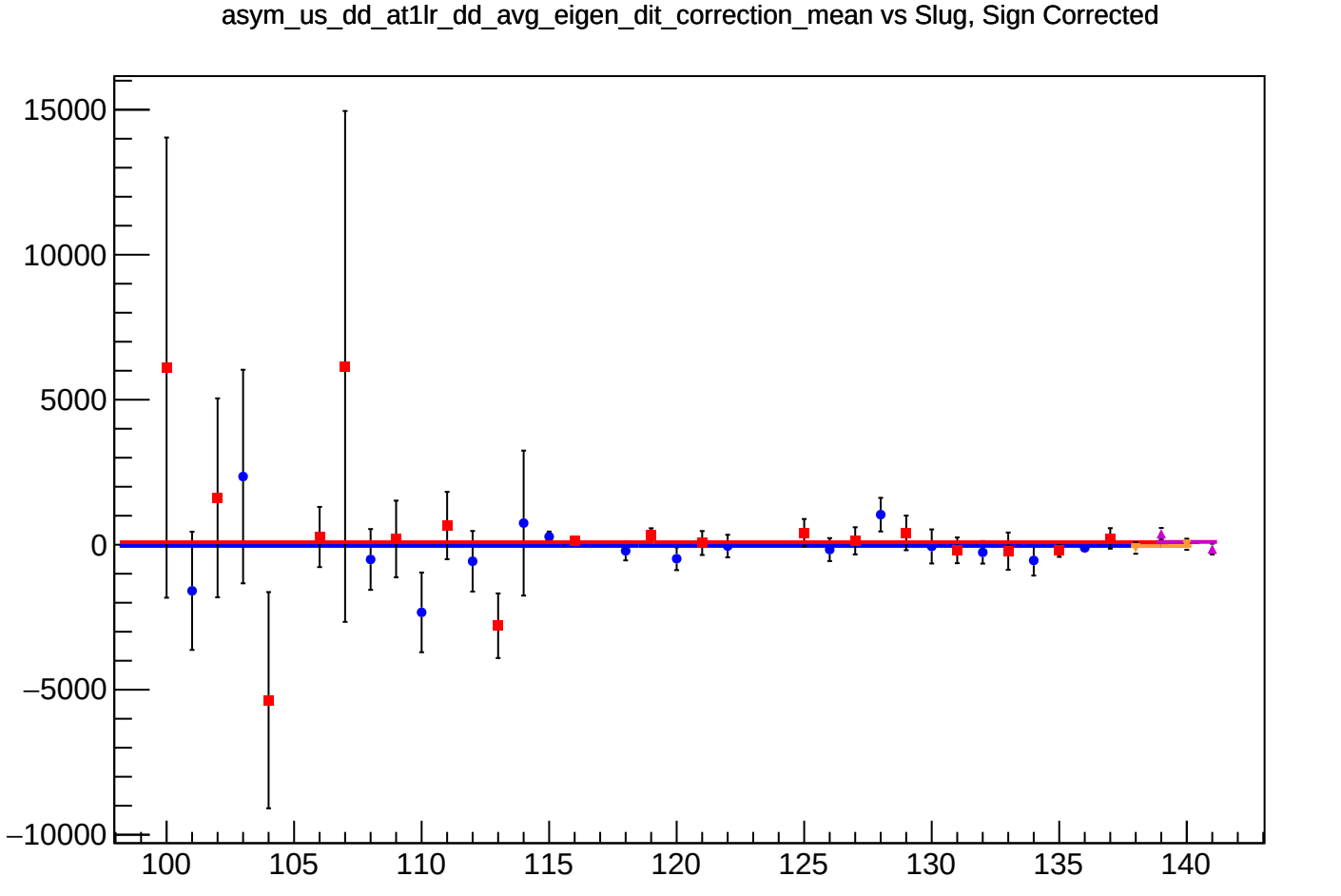
Left: 2173.884+/-0.839 χ^2/NDF: 4.2/3

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2279.368+/-0.546 χ^2/NDF:524096.2/17

Out: 2298.932+/-0.550 χ^2/NDF:180986.2/19

All: 2289.083+/-0.387 χ^2/NDF: 705719.8/37



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -45.650+/-138.039 χ^2/NDF:0.2/1

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 97.446+/-135.777 χ^2/NDF:3.8/1

Left: 27.081+/-96.799 χ^2/NDF: 4.5/3

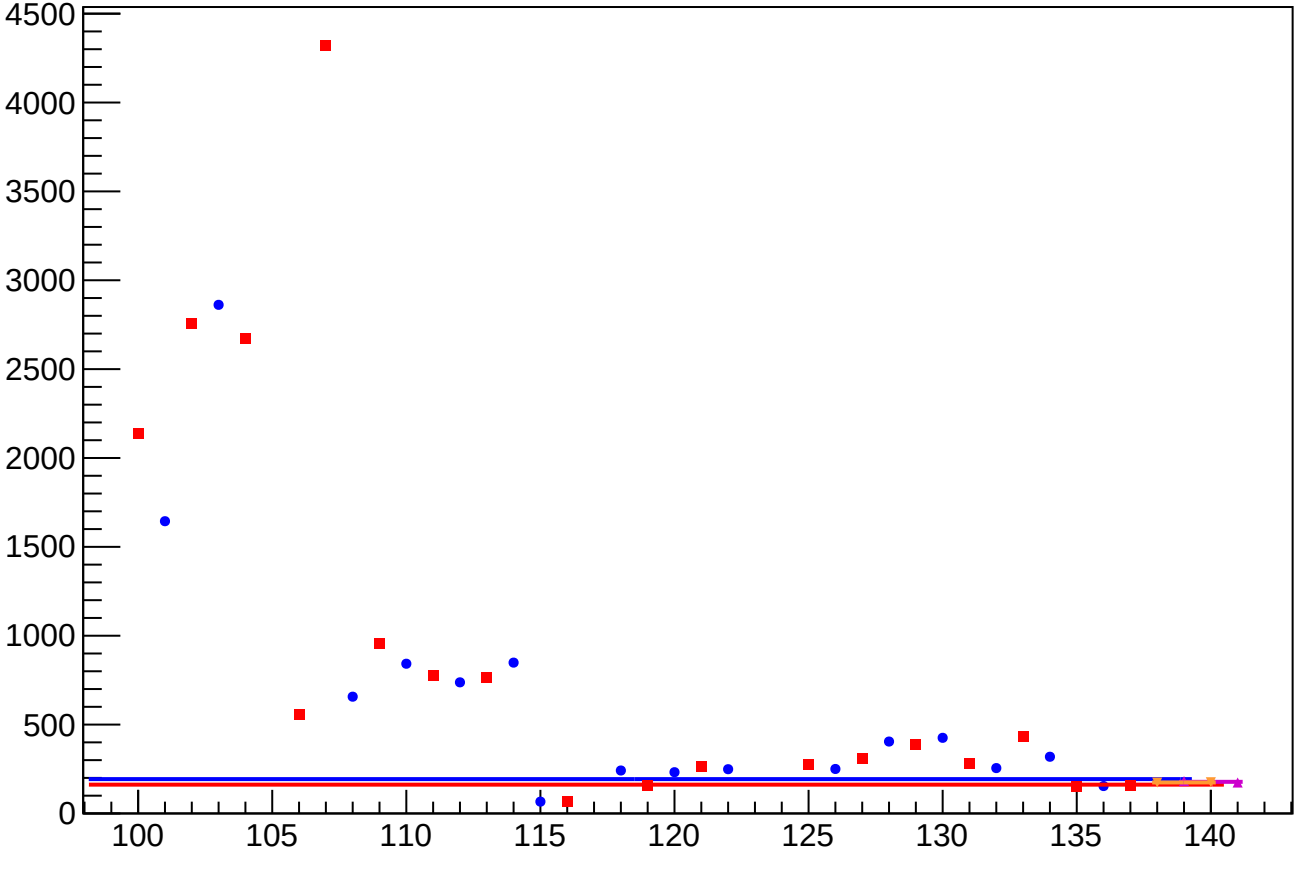
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 3.432+/-76.394 χ^2/NDF:18.5/17

Out: 49.409+/-73.046 χ^2/NDF:15.8/19

All: 27.450+/-52.795 χ^2/NDF: 34.5/37

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 174.532+/-0.098 χ^2/NDF:86.1/1

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 177.900+/-0.096 χ^2/NDF:1781.2/1

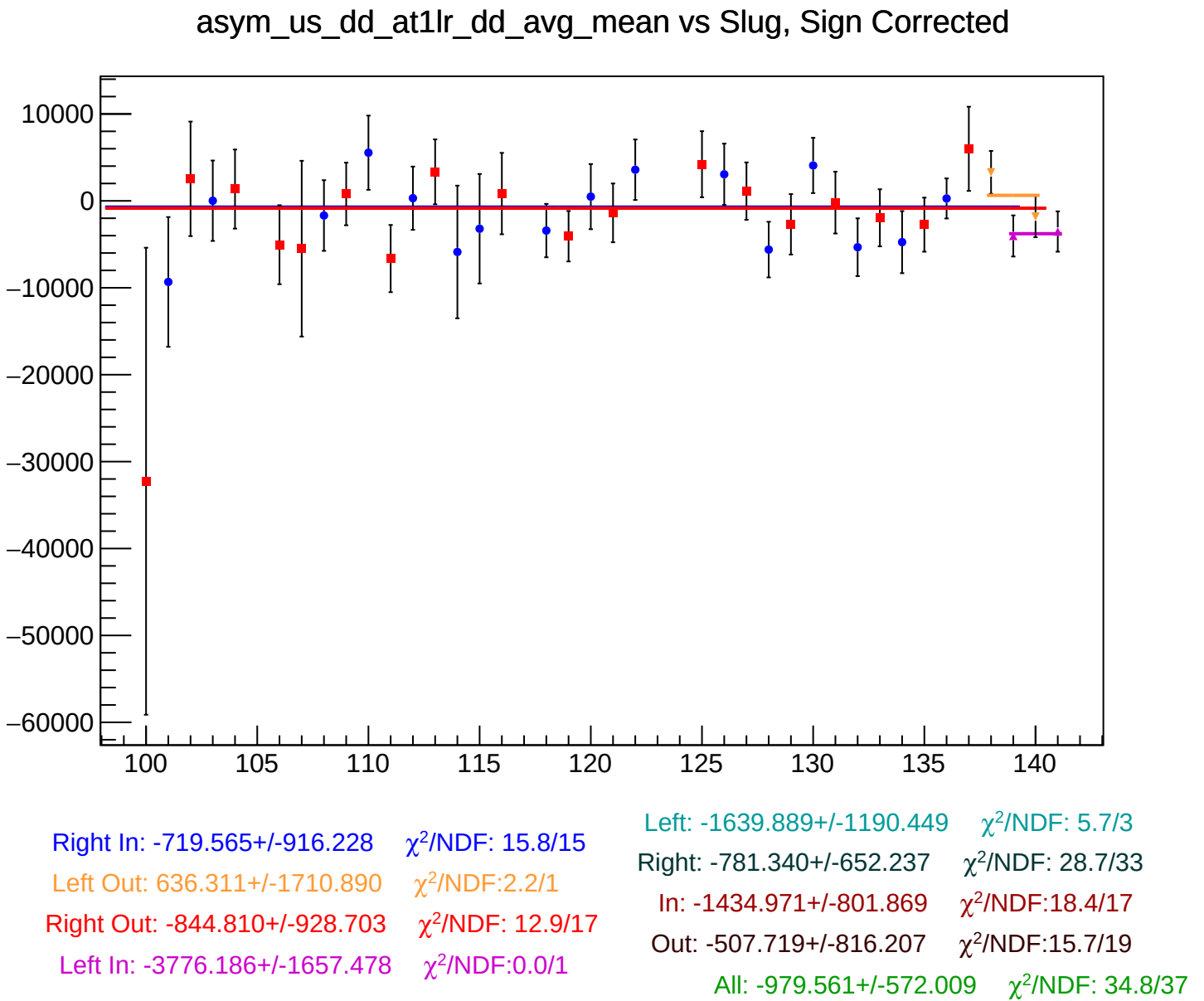
Left: 176.244+/-0.068 χ^2/NDF: 2472.5/3

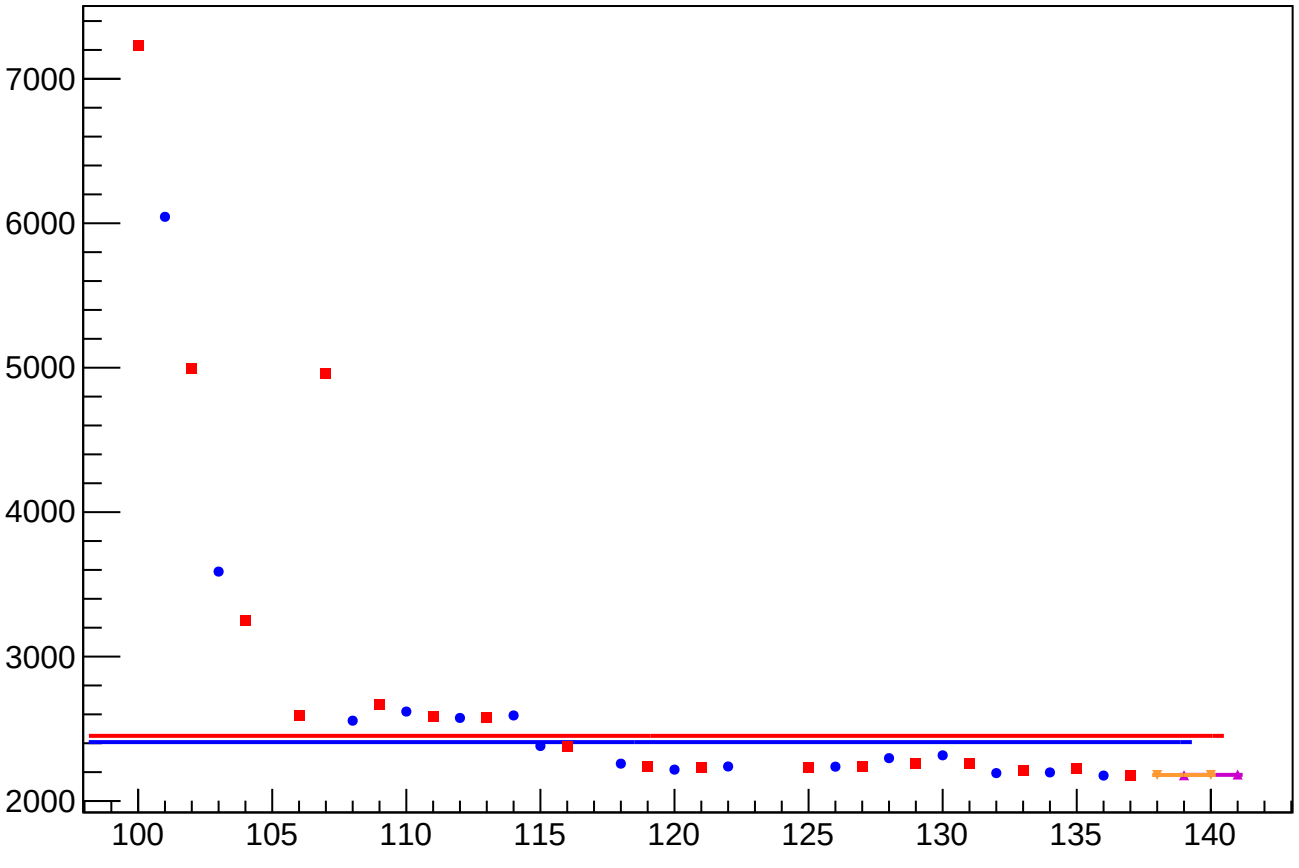
Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 188.393+/-0.054 χ^2/NDF:5637142.3/17

Out: 165.590+/-0.052 χ^2/NDF:7082290.9/19

All: 176.481+/-0.037 χ^2/NDF: 12812521.5/37


asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
105
110
115
120
125
130
135
140
Right In: -719.565+/-916.228 χ²/NDF: 15.8/15
Left Out: 636.311+/-1710.890 χ²/NDF:2.2/1
Right Out: -844.810+/-928.703 χ²/NDF: 12.9/17
Left In: -3776.186+/-1657.478 χ²/NDF:0.0/1
Left: -1639.889+/-1190.449 χ²/NDF: 5.7/3
Right: -781.340+/-652.237 χ²/NDF: 28.7/33
In: -1434.971+/-801.869 χ²/NDF:18.4/17
Out: -507.719+/-816.207 χ²/NDF:15.7/19
All: -979.561+/-572.009 χ²/NDF: 34.8/37



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2180.131+/-1.210 χ^2/NDF:0.0/1

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2181.211+/-1.172 χ^2/NDF:5.0/1

Left: 2180.688+/-0.842 χ^2/NDF: 5.4/3

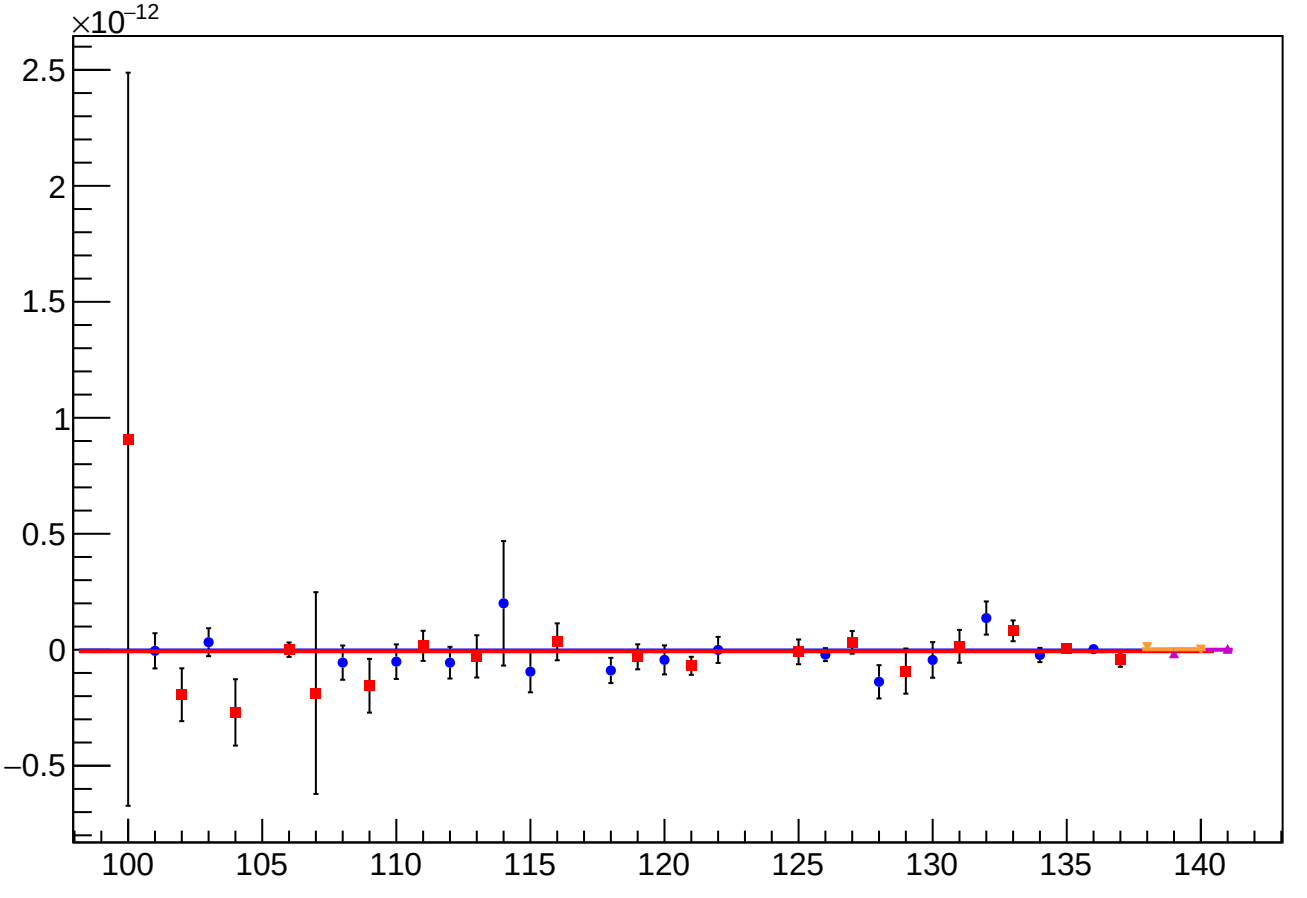
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2354.763+/-0.567 χ^2/NDF:705524.2/17

Out: 2389.499+/-0.577 χ^2/NDF:672375.6/19

All: 2371.823+/-0.404 χ^2/NDF: 1379743.0/37

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2.0/1

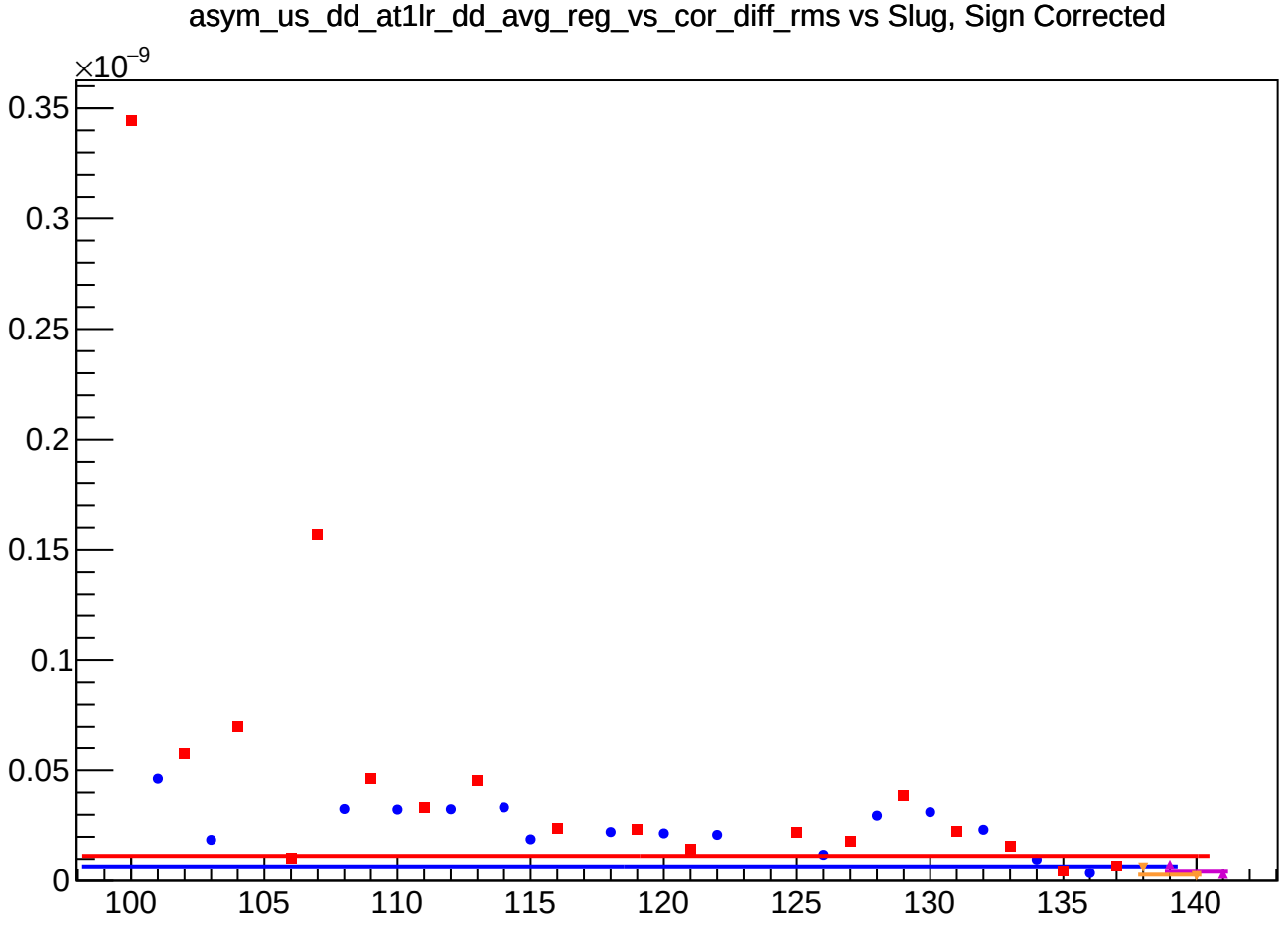
Left: 0.000+/-0.000 χ^2/NDF: 3.0/3

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:17.7/17

Out: 0.000+/-0.000 χ^2/NDF:20.5/19

All: 0.000+/-0.000 χ^2/NDF: 38.4/37



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:276559.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:200514.5/1

Left: 0.000+/-0.000 χ^2/NDF: 556776.1/3

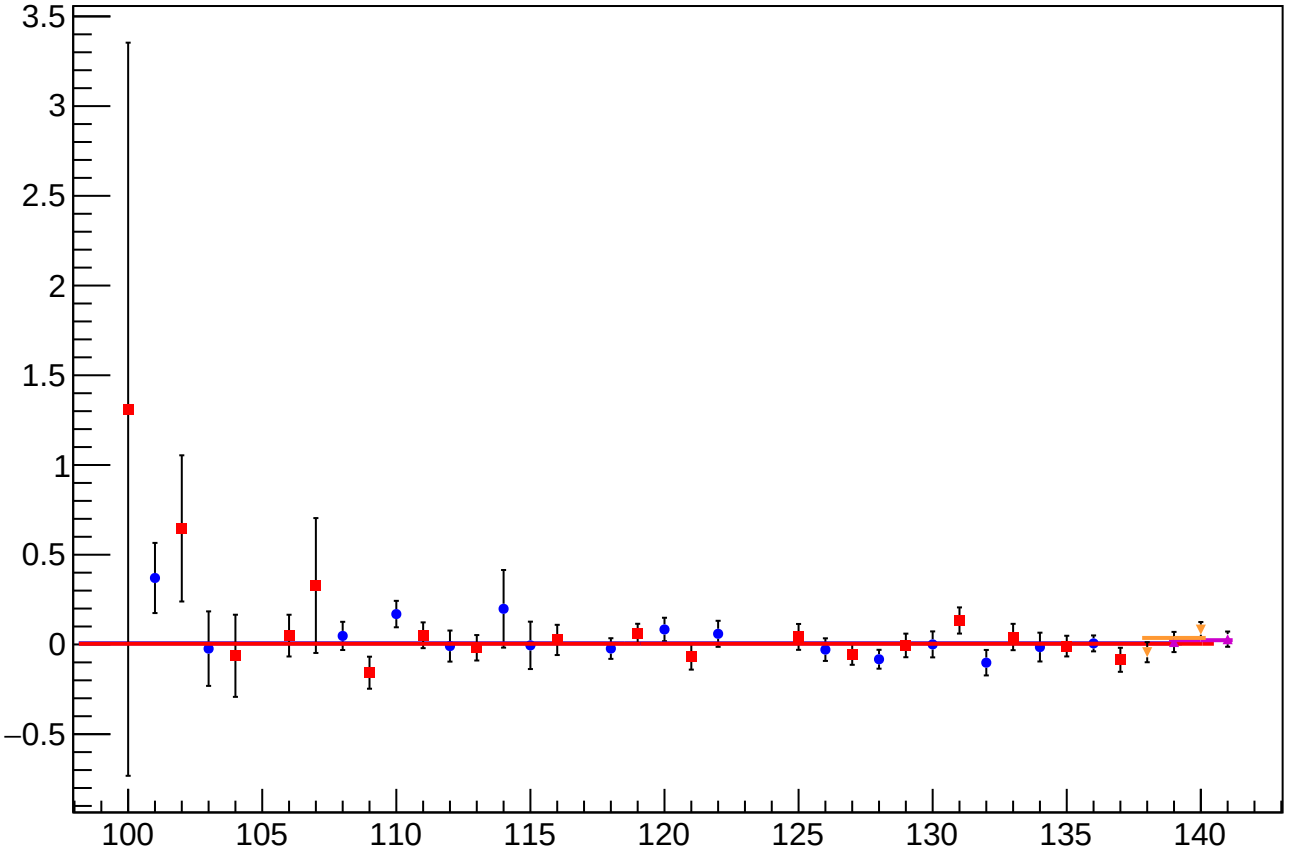
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:3227474.6/17

Out: 0.000+/-0.000 χ^2/NDF:4315691.4/19

All: 0.000+/-0.000 χ^2/NDF: 7660600.8/37

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.036+/-0.034 χ^2/NDF:3.2/1

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.024+/-0.034 χ^2/NDF:0.1/1

Left: 0.030+/-0.024 χ^2/NDF: 3.3/3

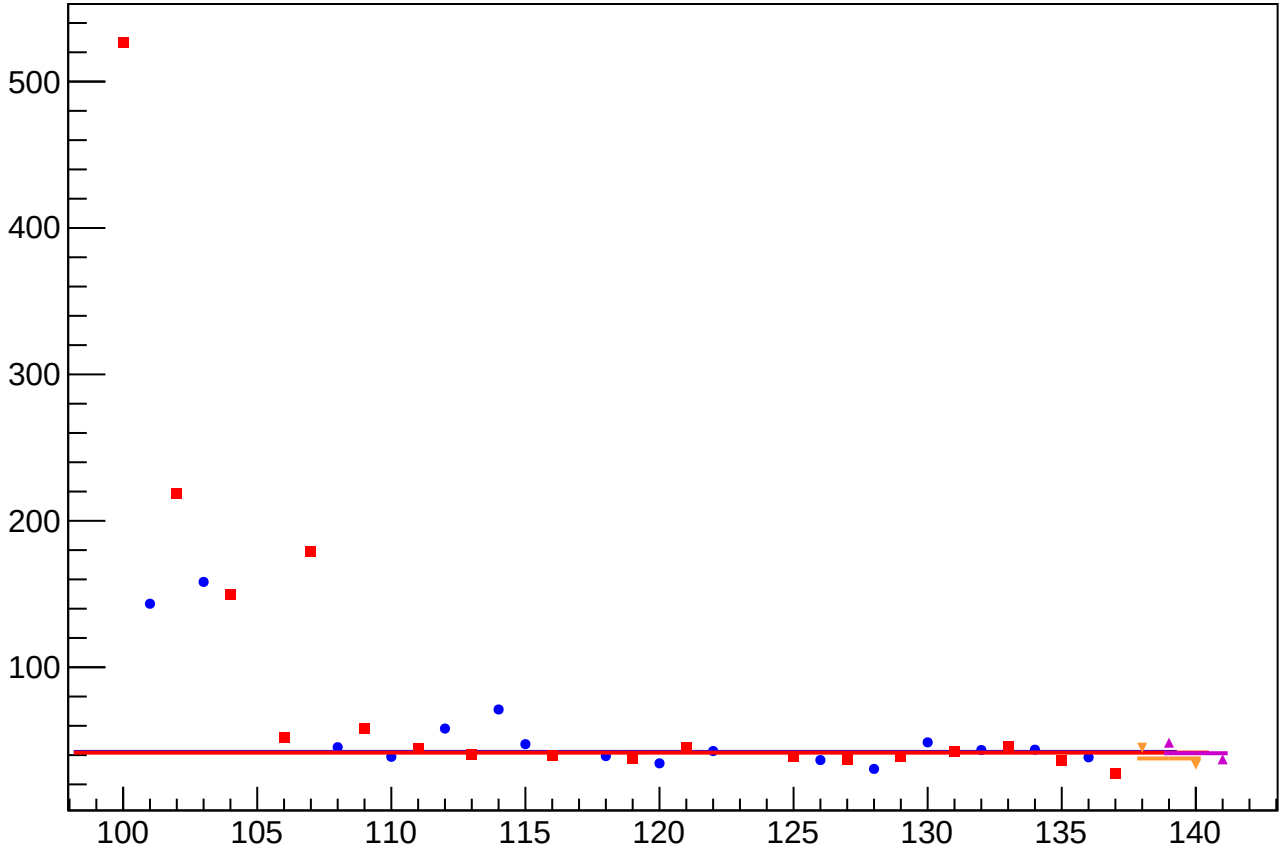
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.010+/-0.016 χ^2/NDF:17.5/17

Out: 0.011+/-0.016 χ^2/NDF:20.2/19

All: 0.011+/-0.011 χ^2/NDF: 37.7/37

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.713+/-0.024 χ^2/NDF:53989.6/1

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.280+/-0.024 χ^2/NDF:51877.6/1

Left: 39.493+/-0.017 χ^2/NDF: 116936.8/3

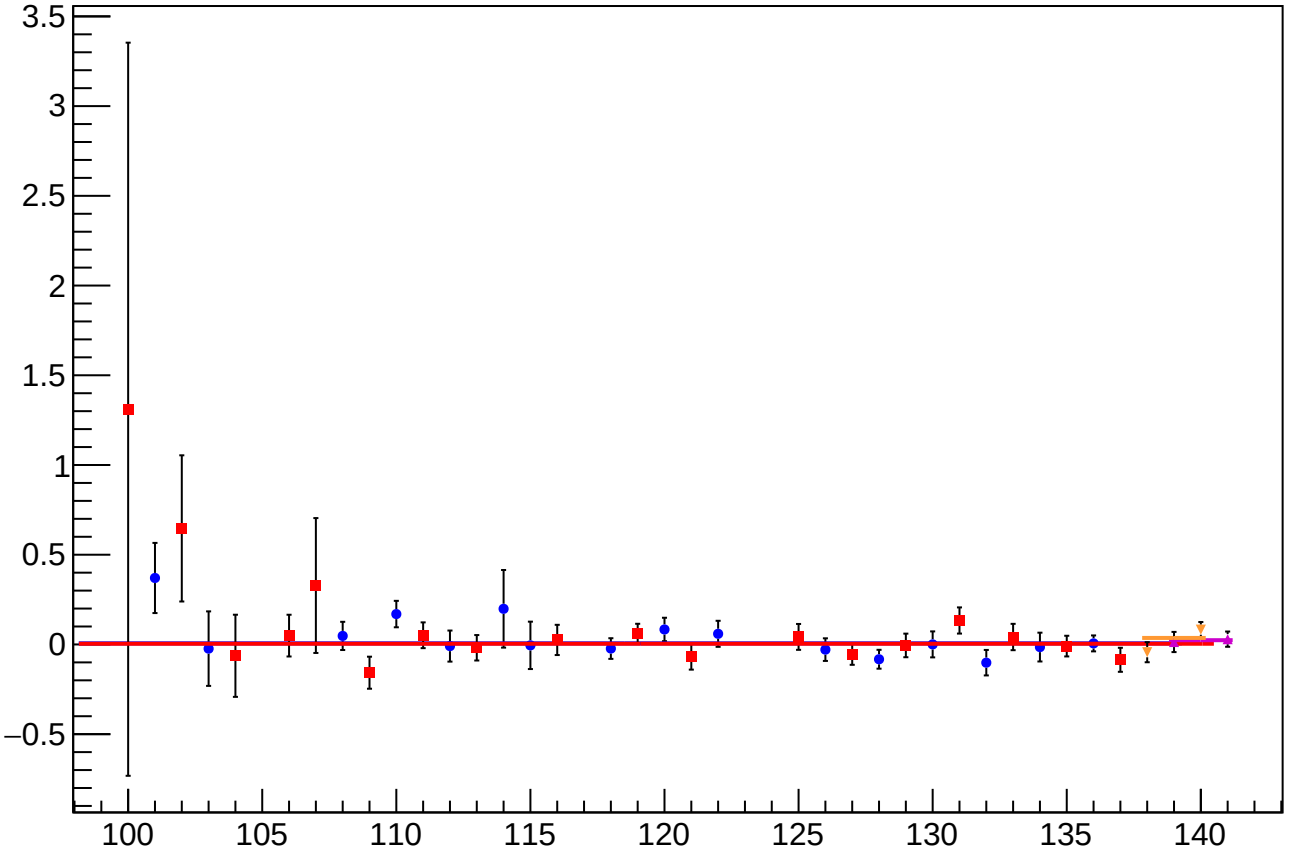
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.967+/-0.011 χ^2/NDF:1507312.9/17

Out: 40.771+/-0.012 χ^2/NDF:1516403.1/19

All: 41.377+/-0.008 χ^2/NDF: 3029170.0/37

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.036+/-0.034 χ^2/NDF:3.2/1

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.024+/-0.034 χ^2/NDF:0.1/1

Left: 0.030+/-0.024 χ^2/NDF: 3.3/3

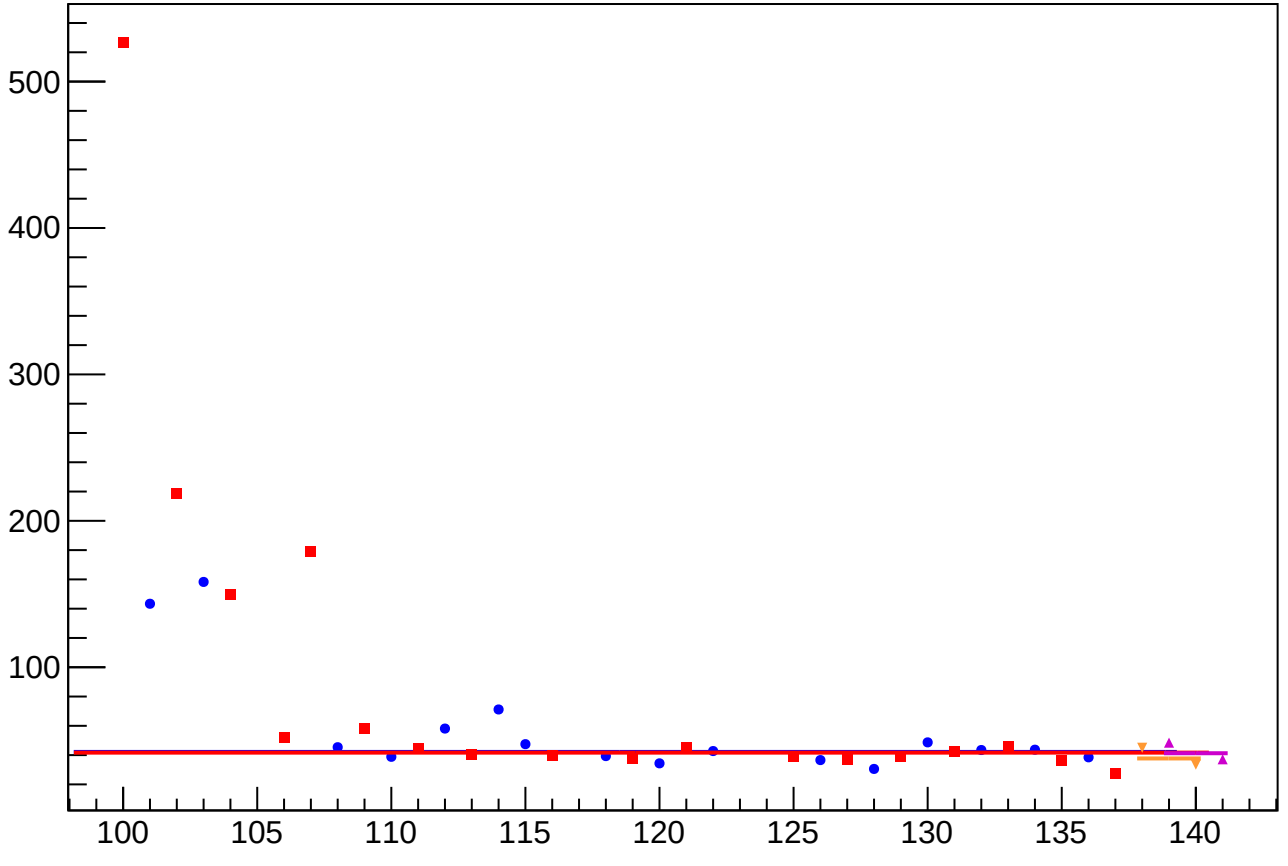
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.010+/-0.016 χ^2/NDF:17.5/17

Out: 0.011+/-0.016 χ^2/NDF:20.2/19

All: 0.011+/-0.011 χ^2/NDF: 37.7/37

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.713+/-0.024 χ^2/NDF:53989.6/1

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.280+/-0.024 χ^2/NDF:51877.6/1

Left: 39.493+/-0.017 χ^2/NDF: 116936.8/3

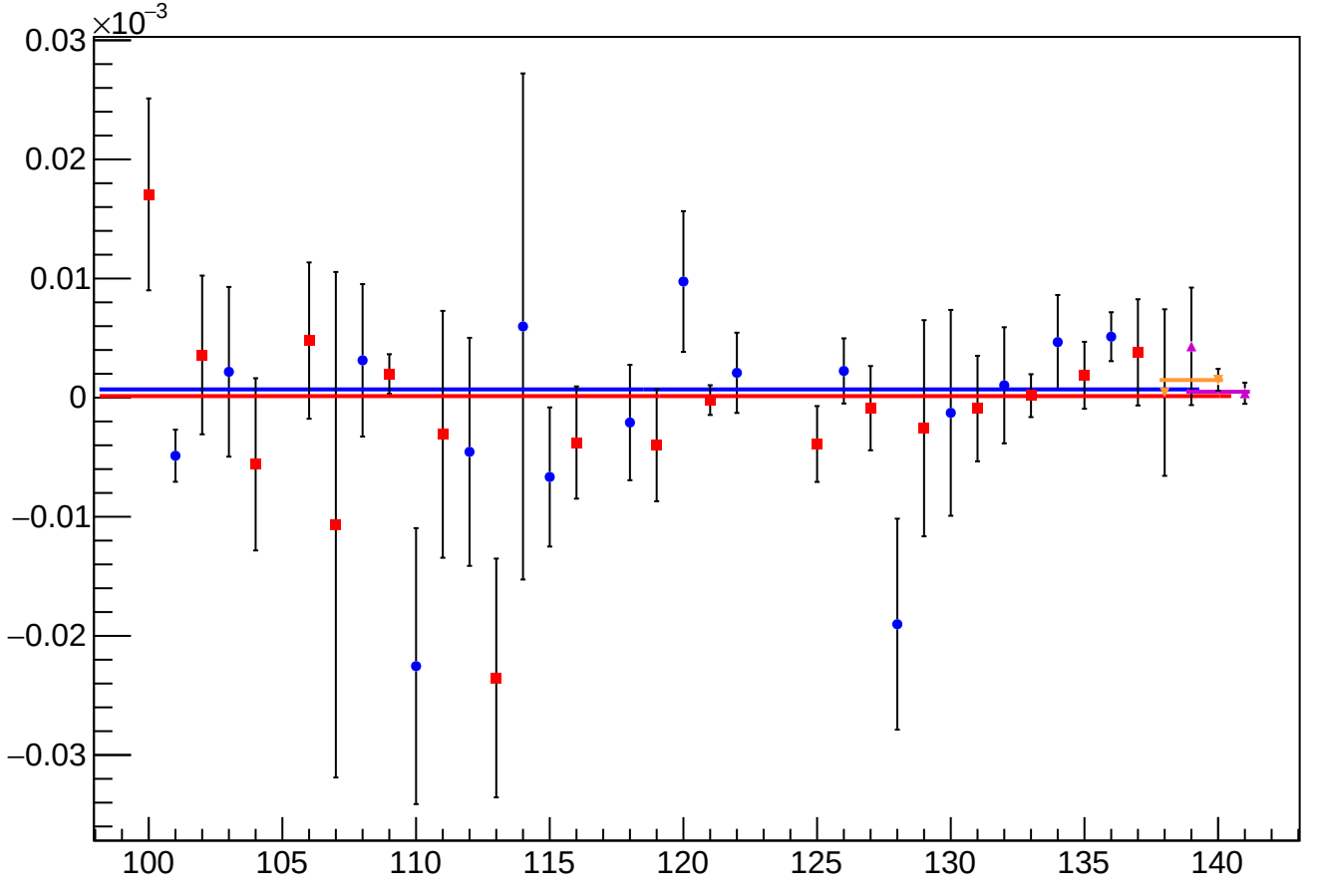
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.967+/-0.011 χ^2/NDF:1507312.9/17

Out: 40.771+/-0.012 χ^2/NDF:1516403.1/19

All: 41.377+/-0.008 χ^2/NDF: 3029170.0/37

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.6/1

Left: 0.000+/-0.000 χ^2/NDF: 1.2/3

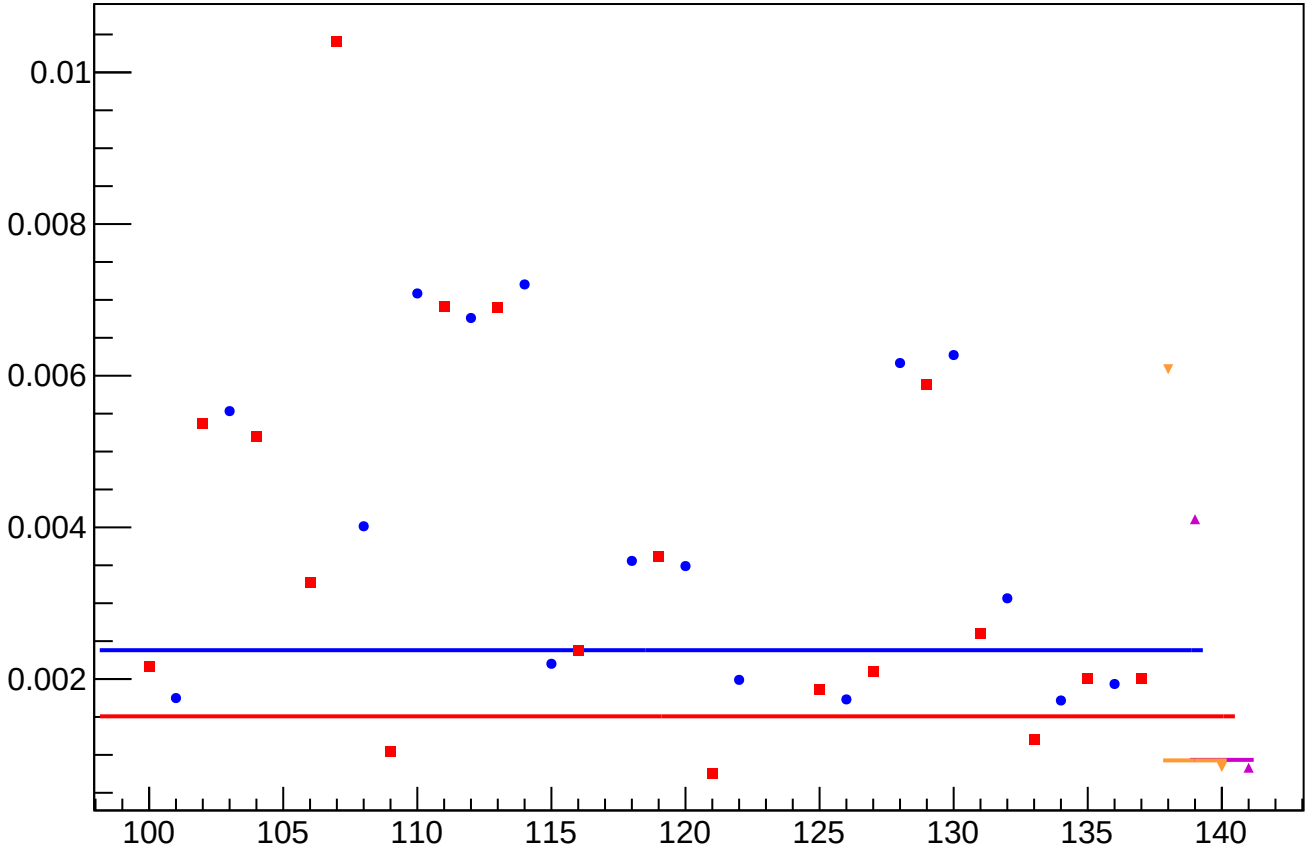
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:27.1/17

Out: 0.000+/-0.000 χ^2/NDF:18.8/19

All: 0.000+/-0.000 χ^2/NDF: 45.9/37

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:1107251.9/1

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:854659.9/1

Left: 0.001+/-0.000 χ^2/NDF: 1961970.1/3

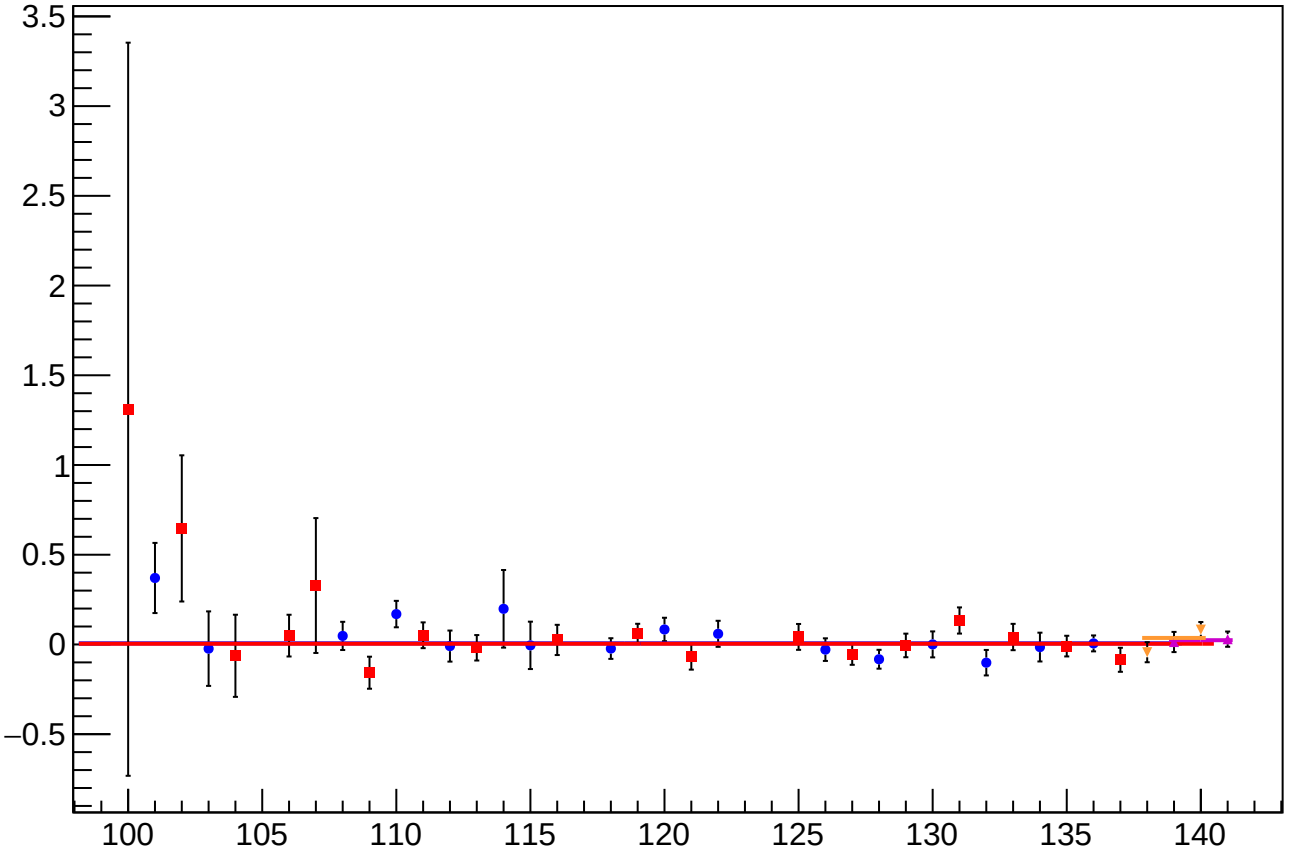
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:6013221.0/17

Out: 0.001+/-0.000 χ^2/NDF:6610169.0/19

All: 0.001+/-0.000 χ^2/NDF: 12806586.3/37

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.036+/-0.034 χ^2/NDF:3.2/1

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.024+/-0.034 χ^2/NDF:0.1/1

Left: 0.030+/-0.024 χ^2/NDF: 3.3/3

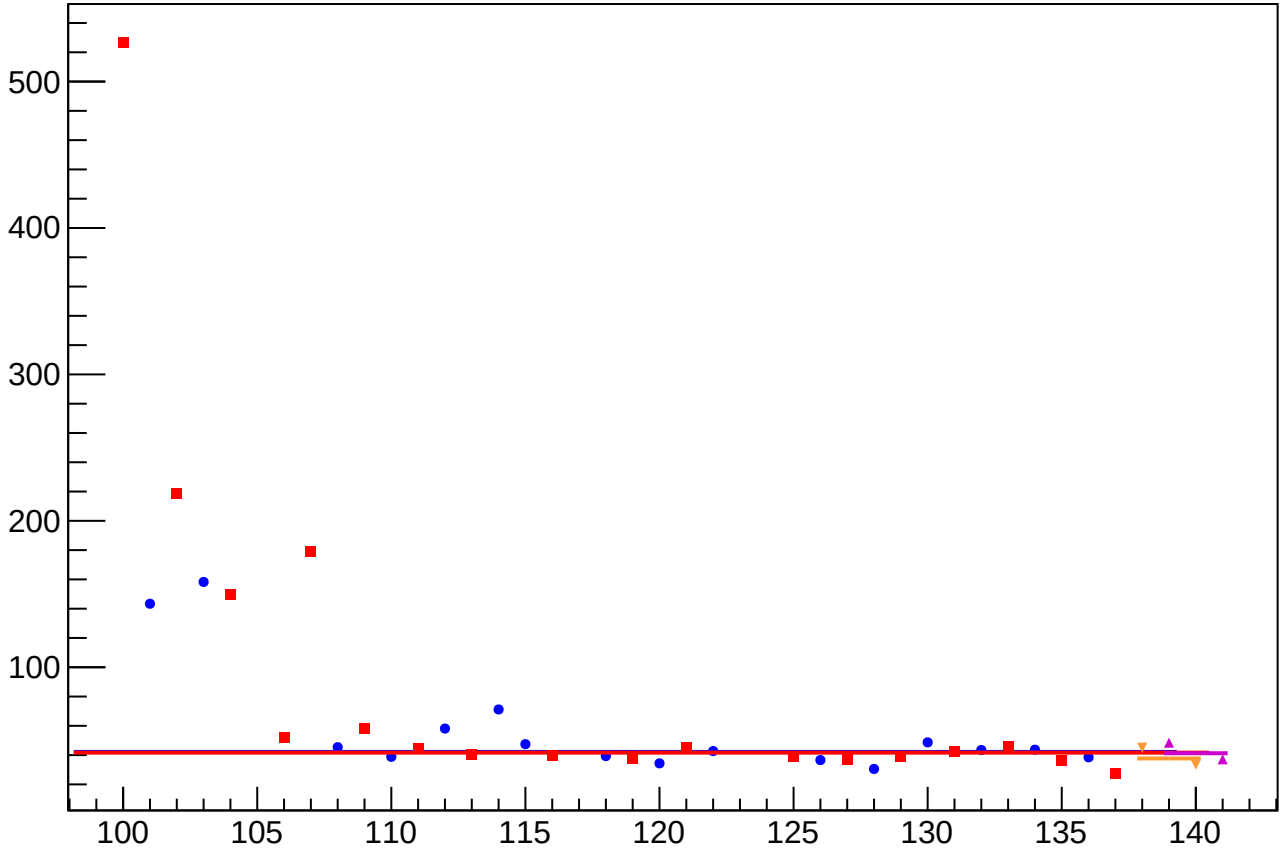
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.010+/-0.016 χ^2/NDF:17.5/17

Out: 0.011+/-0.016 χ^2/NDF:20.2/19

All: 0.011+/-0.011 χ^2/NDF: 37.7/37

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.713+/-0.024 χ^2/NDF:53977.3/1

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.280+/-0.024 χ^2/NDF:51884.0/1

Left: 39.494+/-0.017 χ^2/NDF: 116933.3/3

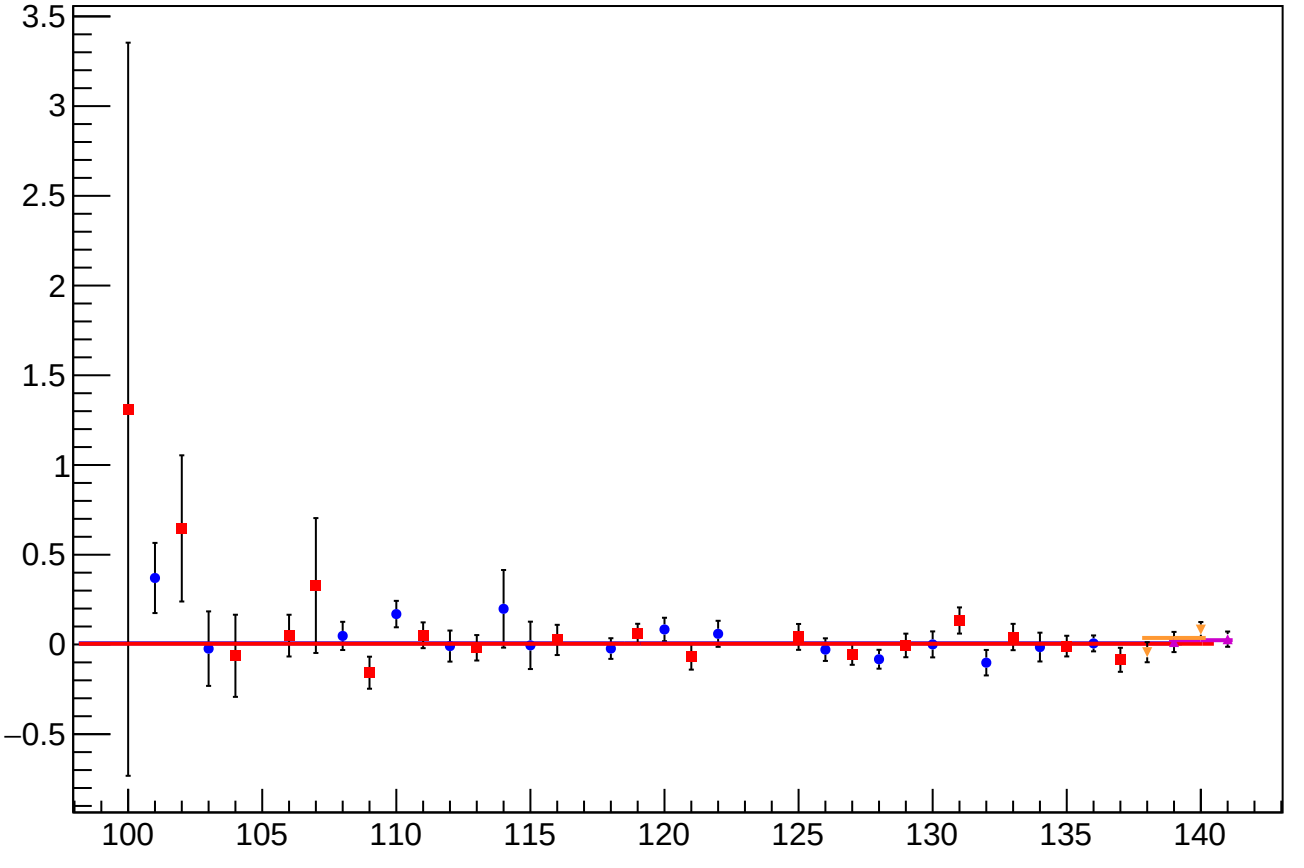
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.965+/-0.011 χ^2/NDF:1507526.6/17

Out: 40.771+/-0.012 χ^2/NDF:1516376.8/19

All: 41.376+/-0.008 χ^2/NDF: 3029338.1/37

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.036+/-0.034 χ^2/NDF:3.2/1

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.024+/-0.034 χ^2/NDF:0.1/1

Left: 0.030+/-0.024 χ^2/NDF: 3.3/3

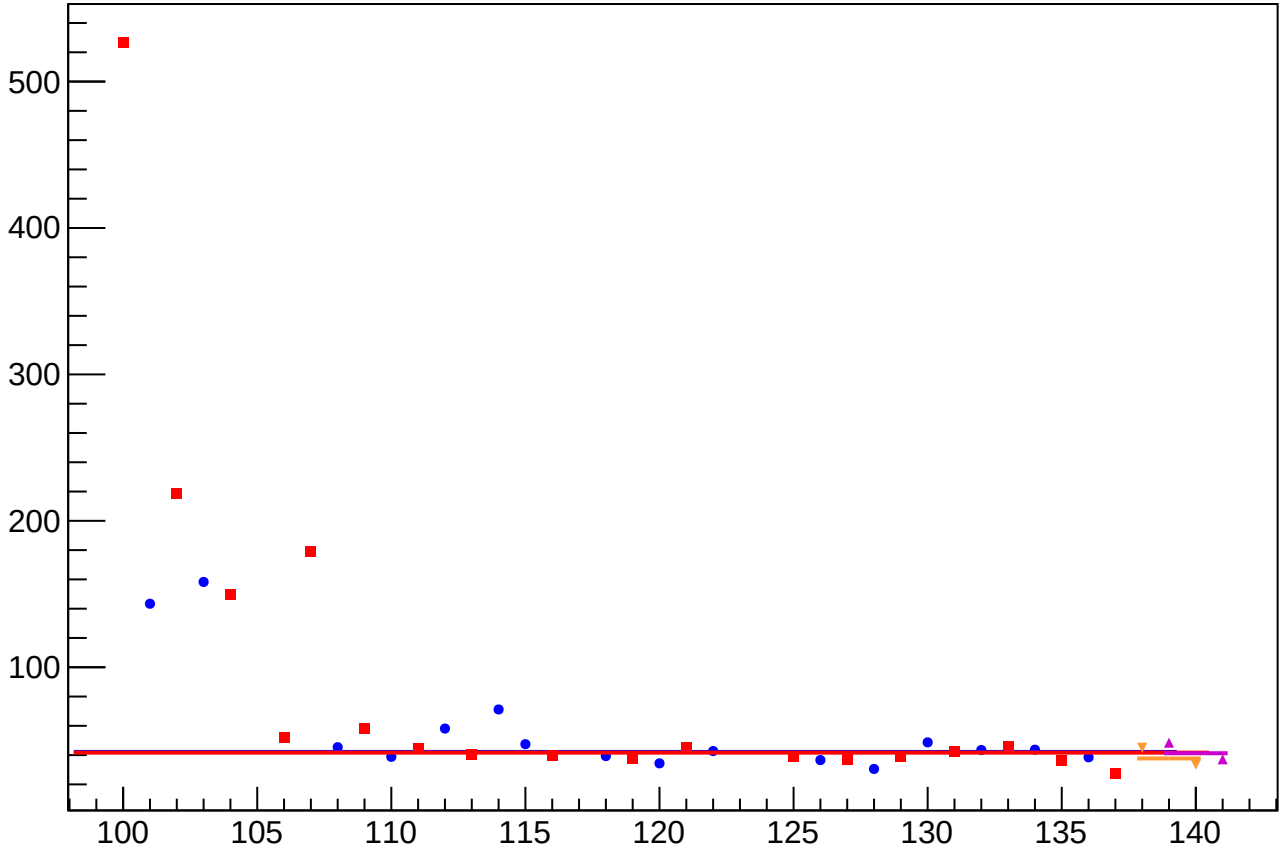
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.010+/-0.016 χ^2/NDF:17.5/17

Out: 0.011+/-0.016 χ^2/NDF:20.2/19

All: 0.011+/-0.011 χ^2/NDF: 37.7/37

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.713+/-0.024 χ^2/NDF:53977.3/1

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.280+/-0.024 χ^2/NDF:51884.0/1

Left: 39.494+/-0.017 χ^2/NDF: 116933.3/3

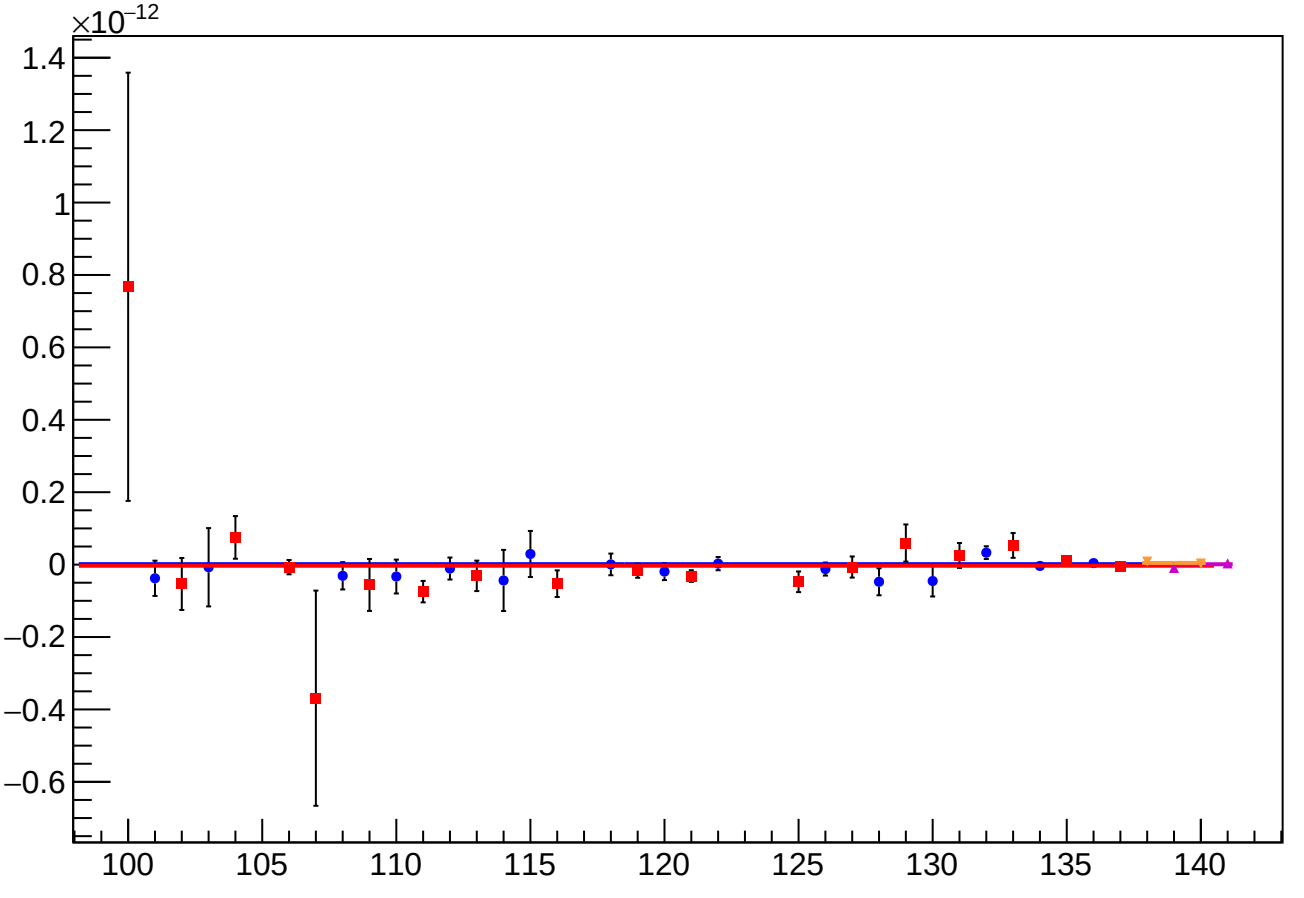
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.965+/-0.011 χ^2/NDF:1507526.6/17

Out: 40.771+/-0.012 χ^2/NDF:1516376.8/19

All: 41.376+/-0.008 χ^2/NDF: 3029338.1/37

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.6/1

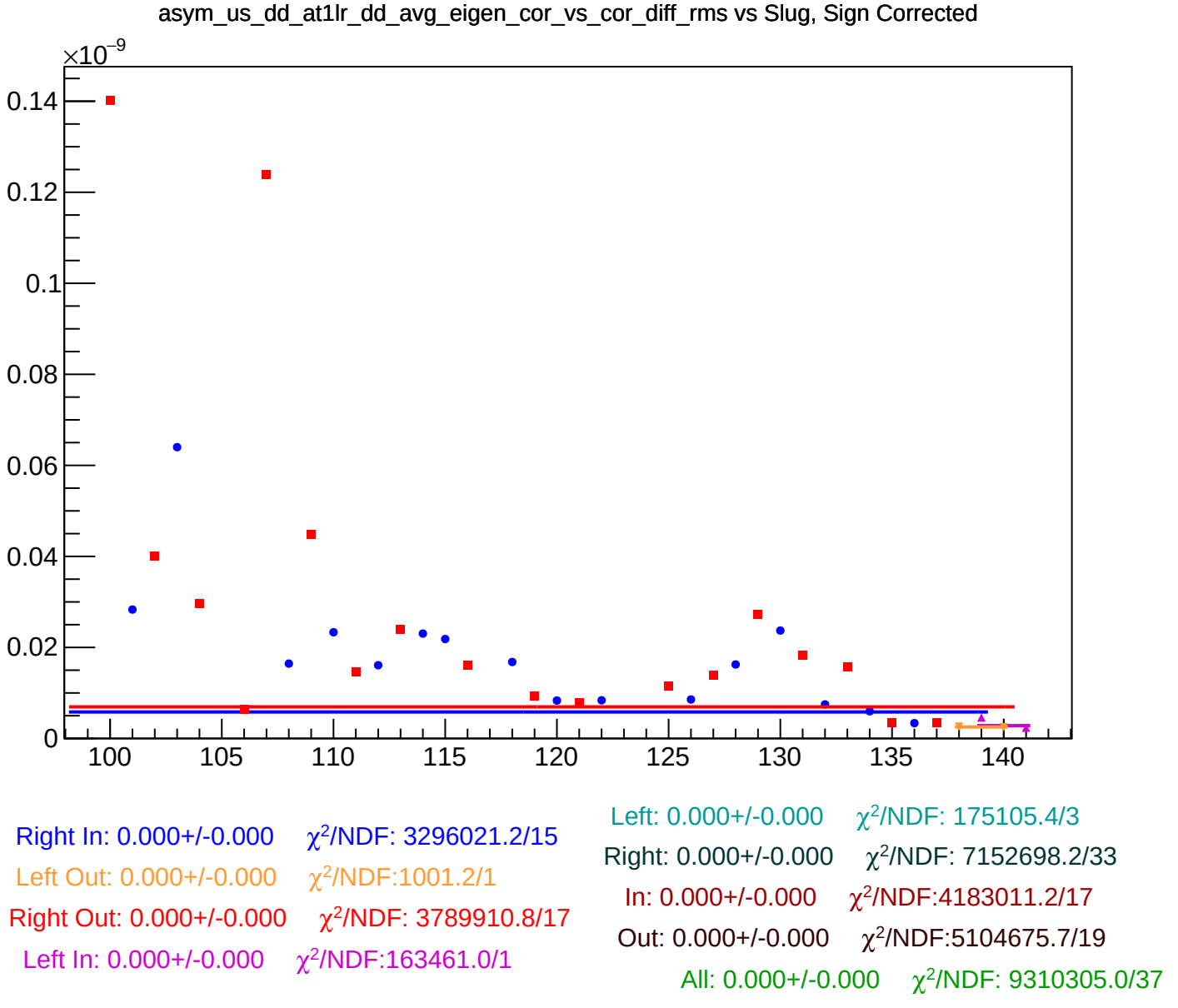
Left: 0.000+/-0.000 χ^2/NDF: 4.3/3

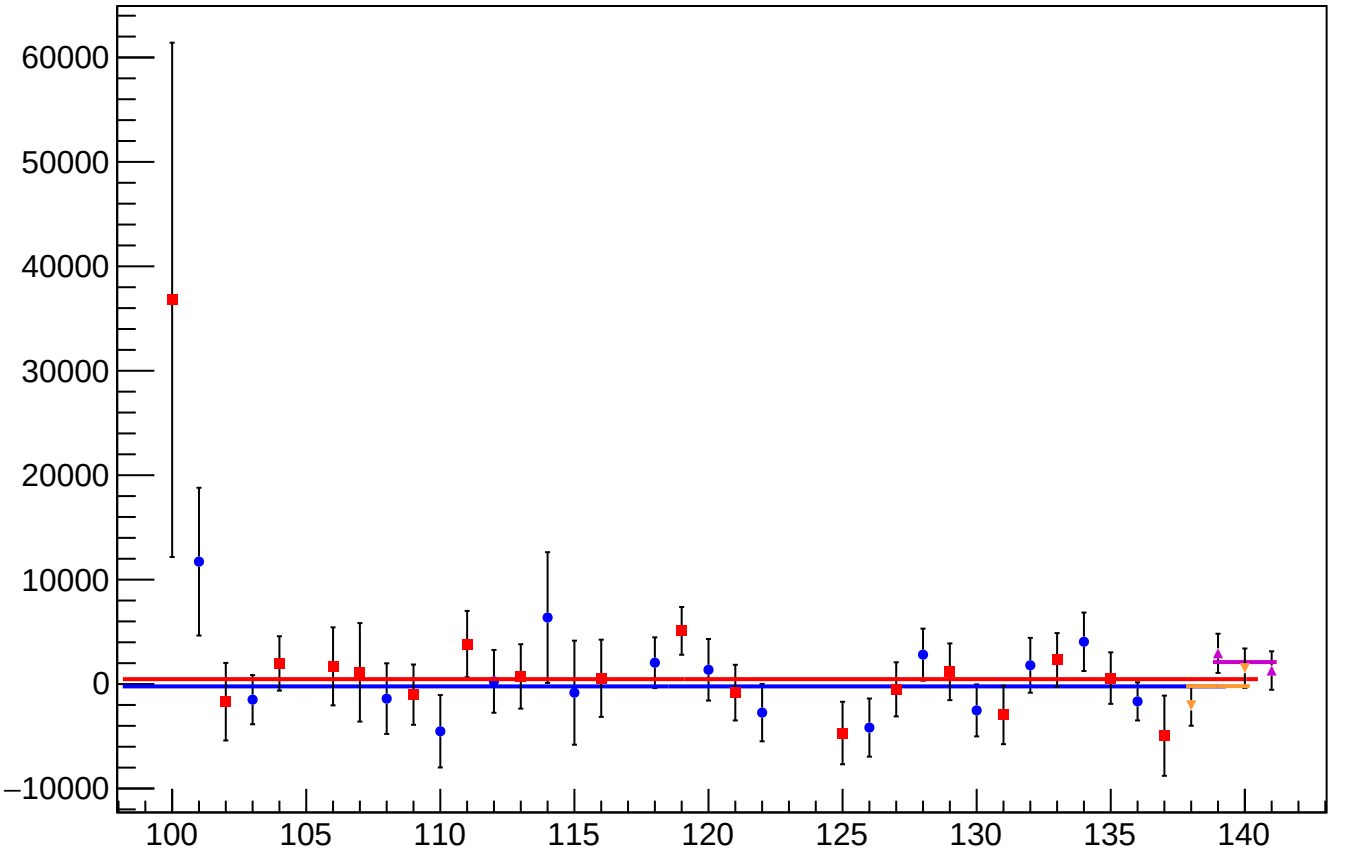
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: 0.000+/-0.000 χ^2/NDF:13.1/17

Out: 0.000+/-0.000 χ^2/NDF:31.7/19

All: 0.000+/-0.000 χ^2/NDF: 45.1/37


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1001.2/1
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:163461.0/1
Left: 0.000+/-0.000 χ²/NDF: 175105.4/3
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4183011.2/17
Out: 0.000+/-0.000 χ²/NDF:5104675.7/19
All: 0.000+/-0.000 χ²/NDF: 9310305.0/37



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: -195.404+/-1355.303 χ^2/NDF:1.7/1

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 2106.078+/-1314.234 χ^2/NDF:0.4/1

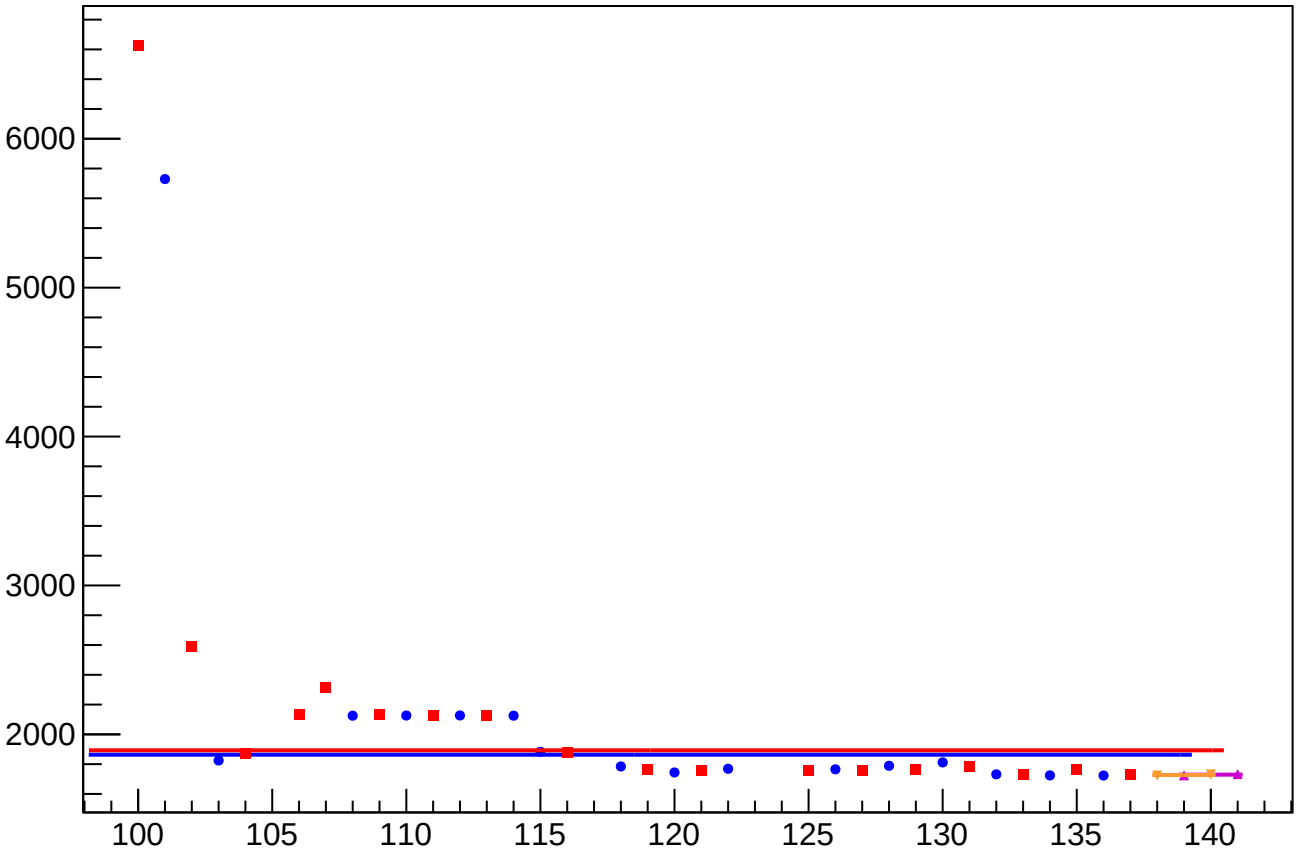
Left: 990.735+/-943.489 χ^2/NDF: 3.6/3

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 302.229+/-624.092 χ^2/NDF:18.7/17

Out: 328.134+/-629.950 χ^2/NDF:17.8/19

All: 315.060+/-443.356 χ^2/NDF: 36.4/37



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1727.011+/-0.958 χ^2/NDF:15.1/1

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1729.507+/-0.929 χ^2/NDF:21.2/1

Left: 1728.297+/-0.667 χ^2/NDF: 39.8/3

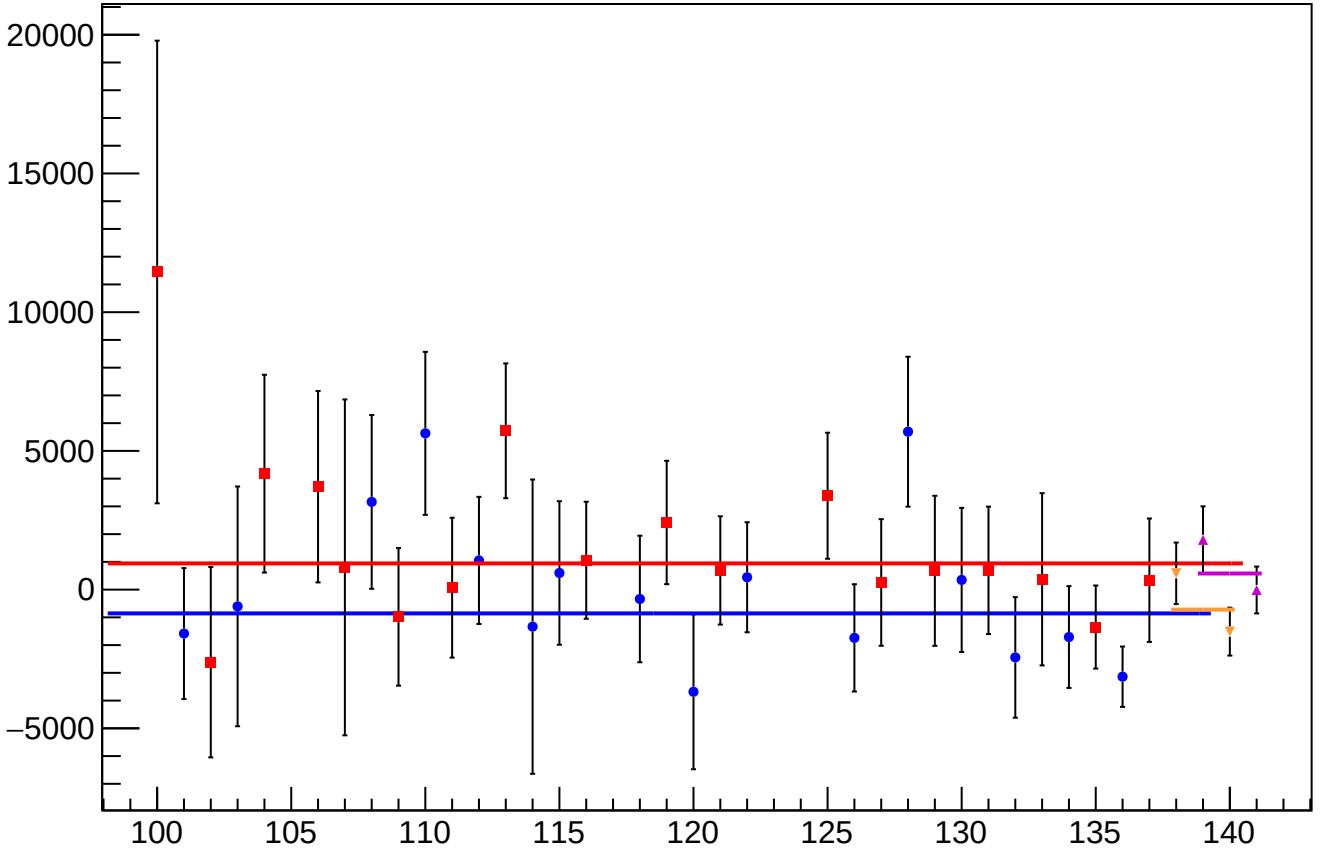
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1833.347+/-0.441 χ^2/NDF:690807.9/17

Out: 1857.034+/-0.445 χ^2/NDF:275008.4/19

All: 1845.080+/-0.313 χ^2/NDF: 967243.4/37

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -720.373+/-681.218 χ^2/NDF:2.2/1

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 580.671+/-691.364 χ^2/NDF:1.5/1

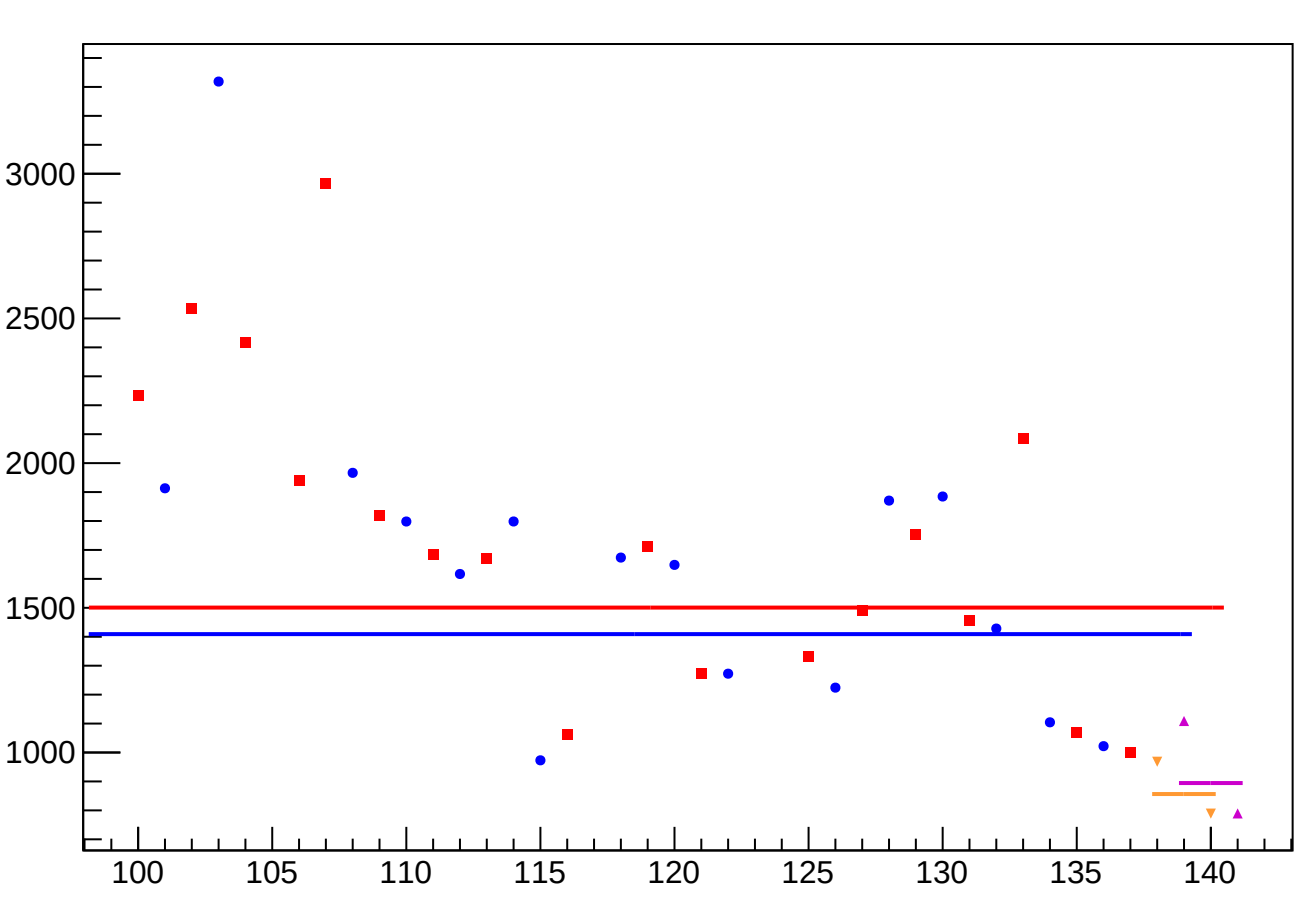
Left: -79.468+/-485.241 χ^2/NDF: 5.5/3

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -300.227+/-430.315 χ^2/NDF:24.8/17

Out: 239.411+/-443.360 χ^2/NDF:18.6/19

All: -38.463+/-308.787 χ^2/NDF: 44.1/37



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 856.481+/-0.482 χ^2/NDF:32554.9/1

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 894.456+/-0.489 χ^2/NDF:94174.9/1

Left: 875.188+/-0.343 χ^2/NDF: 129791.5/3

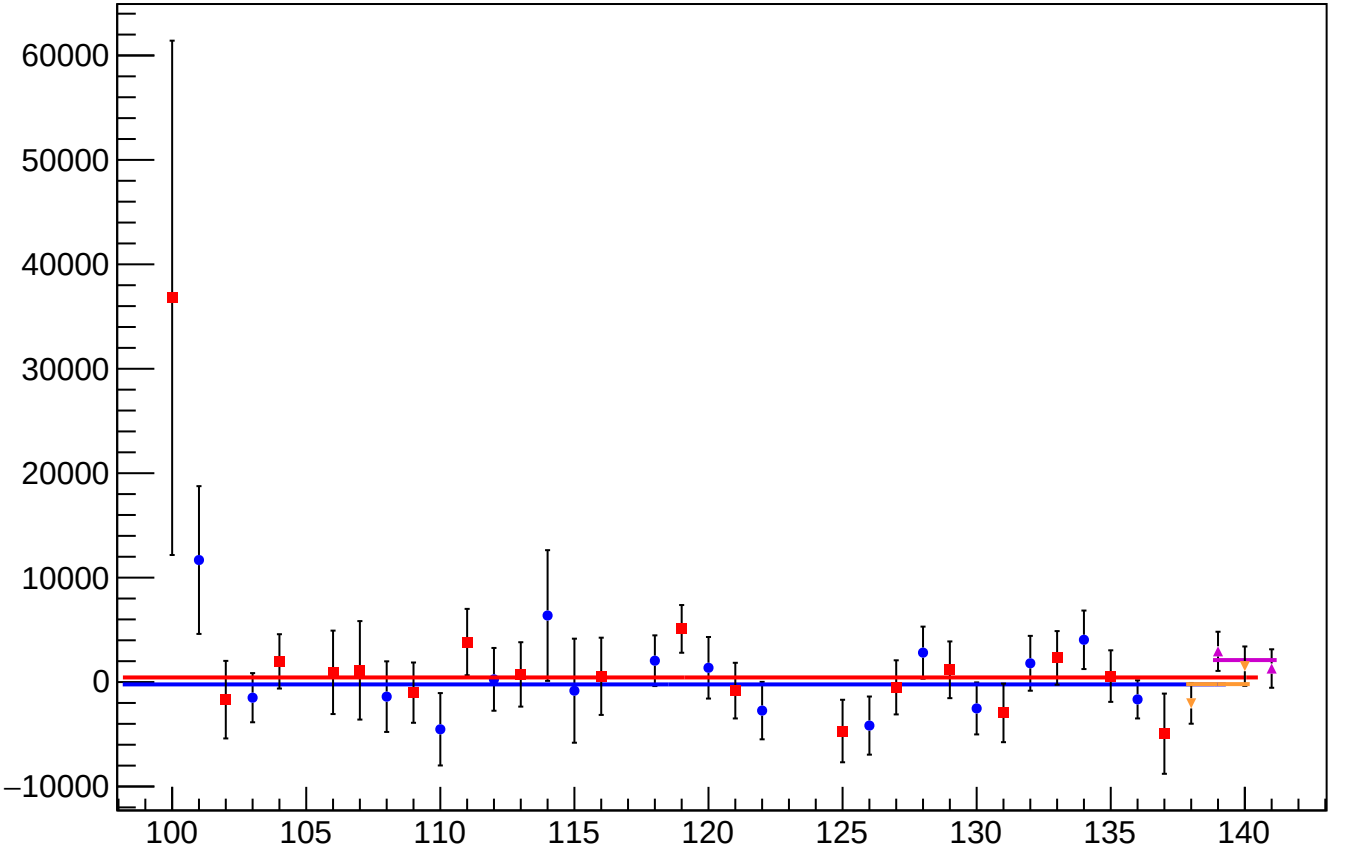
Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1209.725+/-0.304 χ^2/NDF:1940771.9/17

Out: 1227.877+/-0.314 χ^2/NDF:2094649.1/19

All: 1218.530+/-0.218 χ^2/NDF: 4037147.3/37

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -195.332+/-1355.303 χ^2/NDF:1.7/1

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 2105.997+/-1314.234 χ^2/NDF:0.4/1

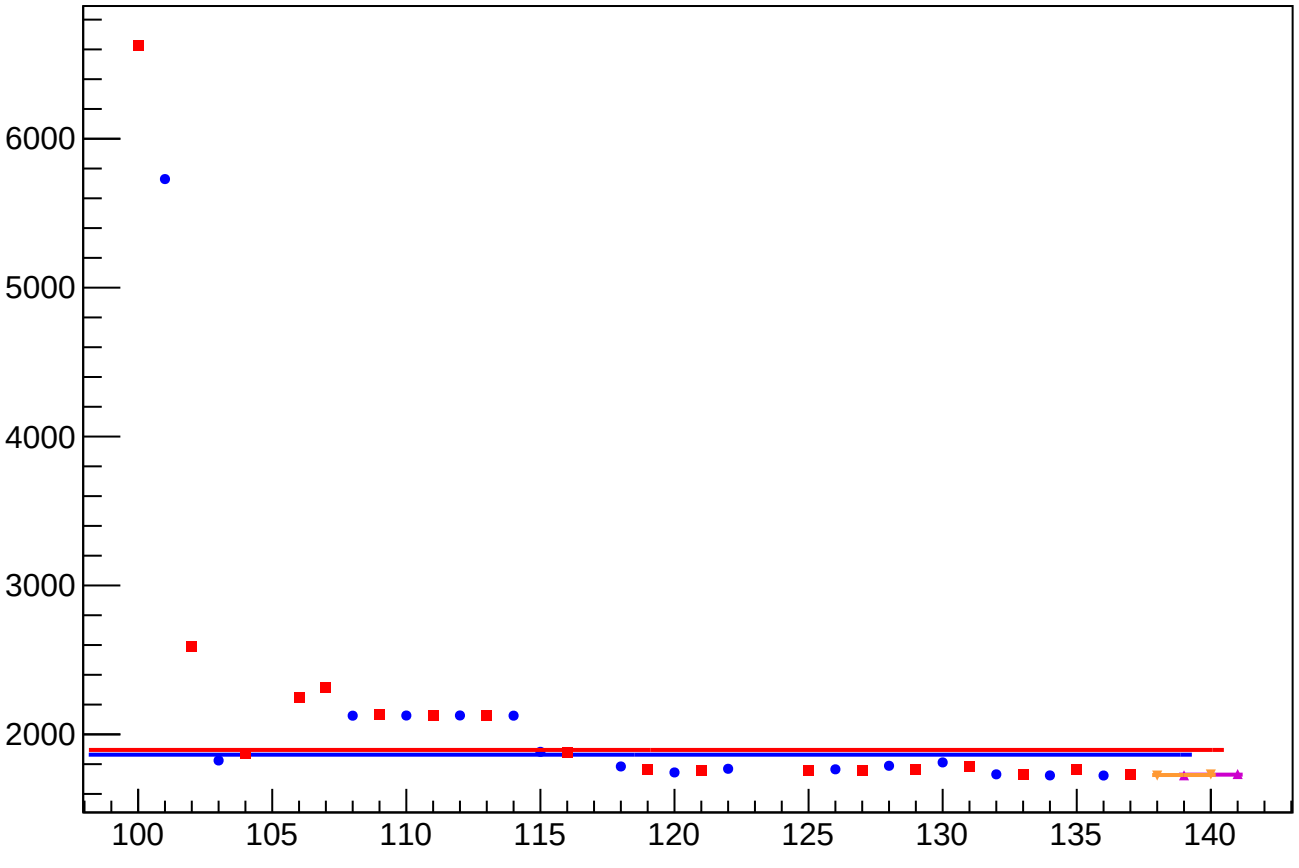
Left: 990.728+/-943.489 χ^2/NDF: 3.6/3

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 301.611+/-624.092 χ^2/NDF:18.6/17

Out: 304.617+/-631.076 χ^2/NDF:17.7/19

All: 303.097+/-443.748 χ^2/NDF: 36.3/37



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1727.011+/-0.958 χ^2/NDF:15.1/1

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1729.507+/-0.929 χ^2/NDF:21.2/1

Left: 1728.297+/-0.667 χ^2/NDF: 39.8/3

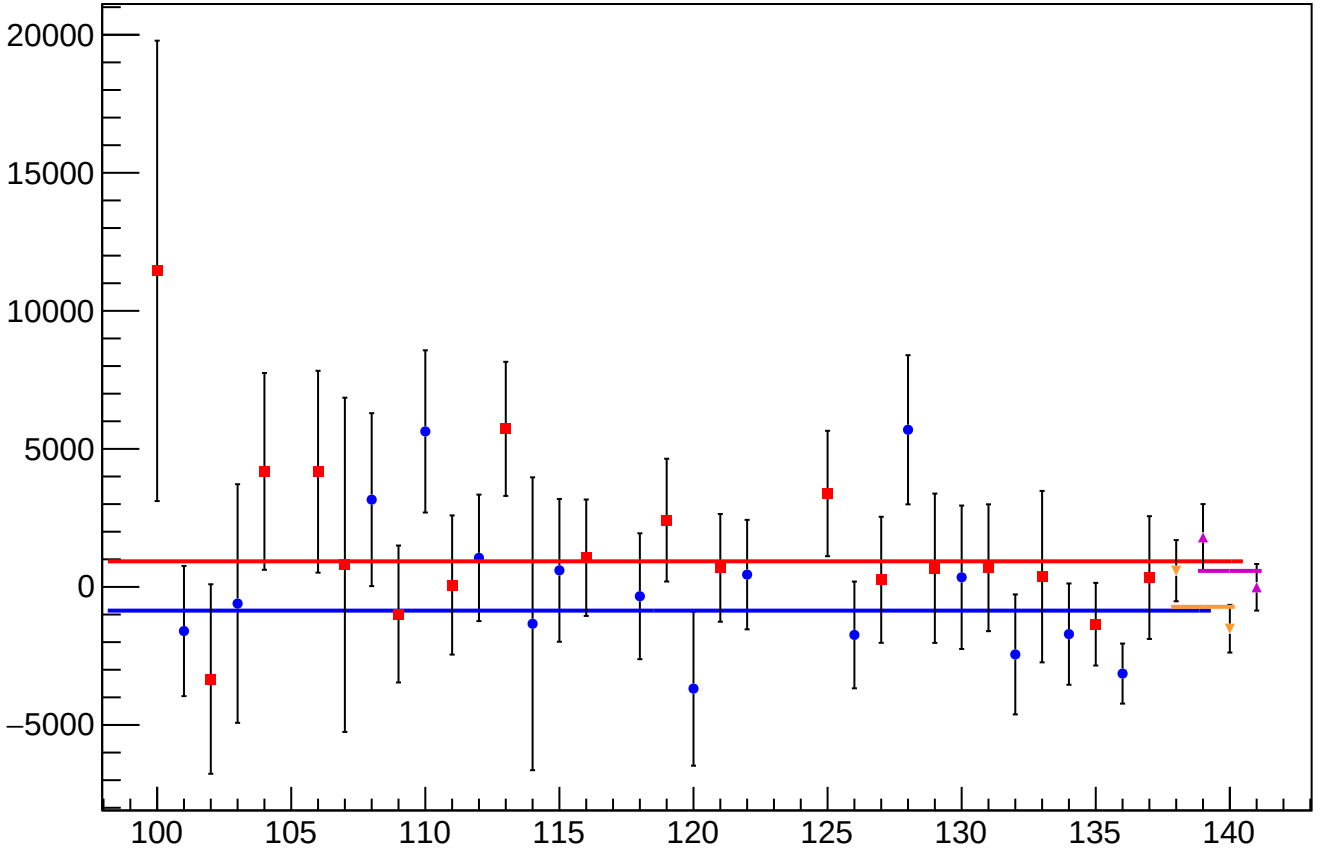
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1833.347+/-0.441 χ^2/NDF:690807.8/17

Out: 1858.962+/-0.446 χ^2/NDF:283392.6/19

All: 1846.012+/-0.314 χ^2/NDF: 975866.3/37

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -720.454+/-681.223 χ^2/NDF:2.2/1

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 580.715+/-691.350 χ^2/NDF:1.5/1

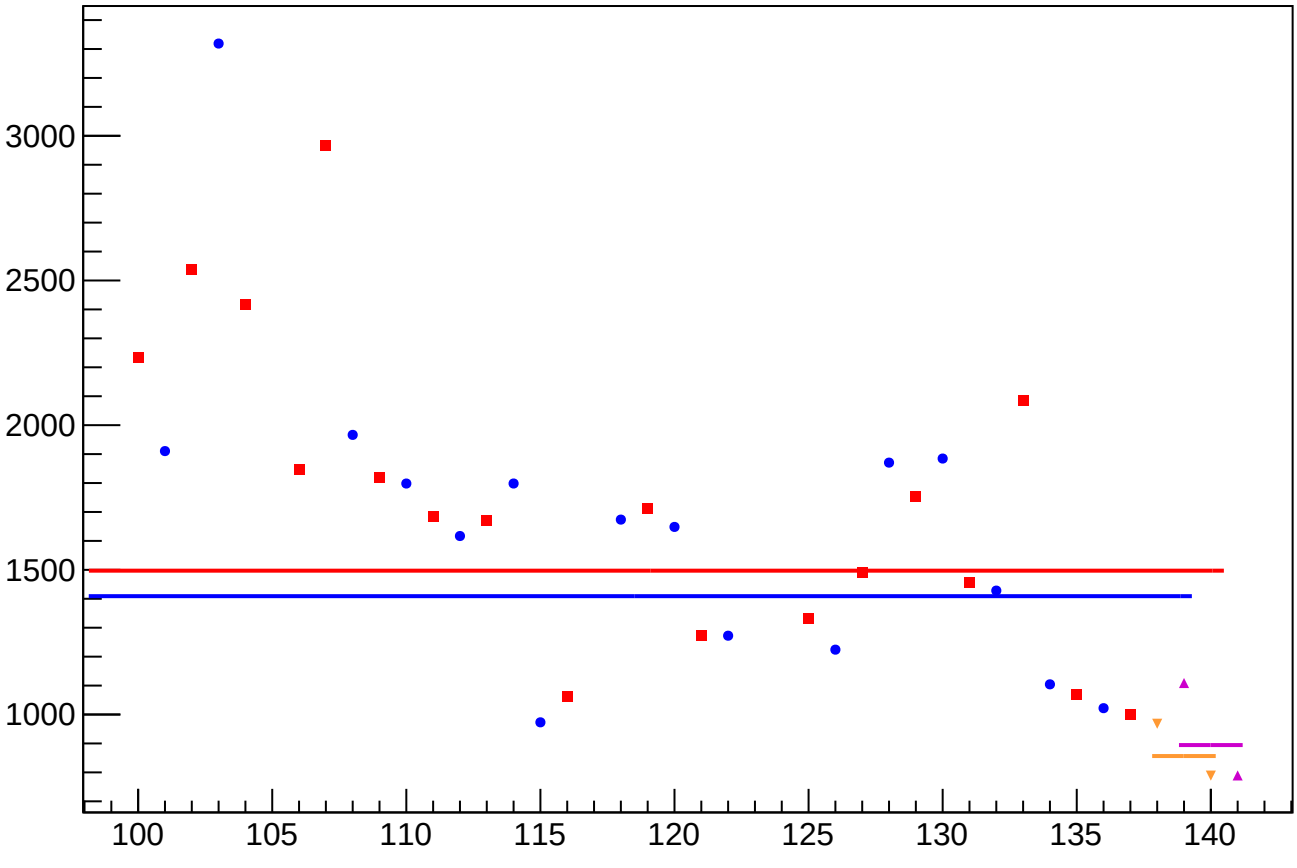
Left: -79.469+/-485.238 χ^2/NDF: 5.5/3

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -300.752+/-430.291 χ^2/NDF:24.8/17

Out: 228.014+/-443.763 χ^2/NDF:19.1/19

All: -44.517+/-308.915 χ^2/NDF: 44.6/37



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 856.489+/-0.482 χ^2/NDF:32545.1/1

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 894.436+/-0.489 χ^2/NDF:94180.9/1

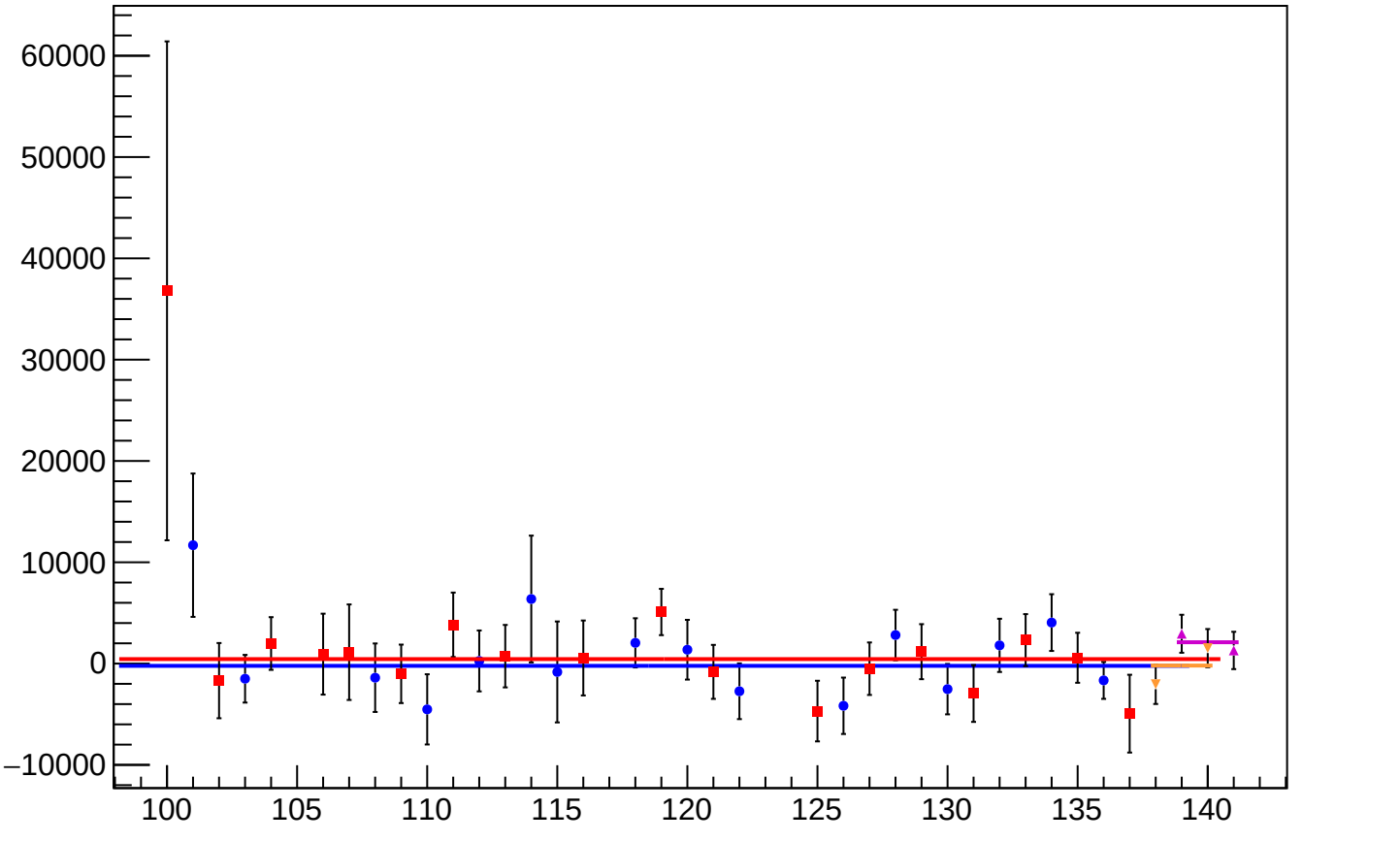
Left: 875.183+/-0.343 χ^2/NDF: 129783.2/3

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1209.684+/-0.304 χ^2/NDF:1940042.7/17

Out: 1225.285+/-0.314 χ^2/NDF:2068944.3/19

All: 1217.244+/-0.218 χ^2/NDF: 4010261.2/37



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -195.332+/-1355.303 χ^2/NDF:1.7/1

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 2105.997+/-1314.234 χ^2/NDF:0.4/1

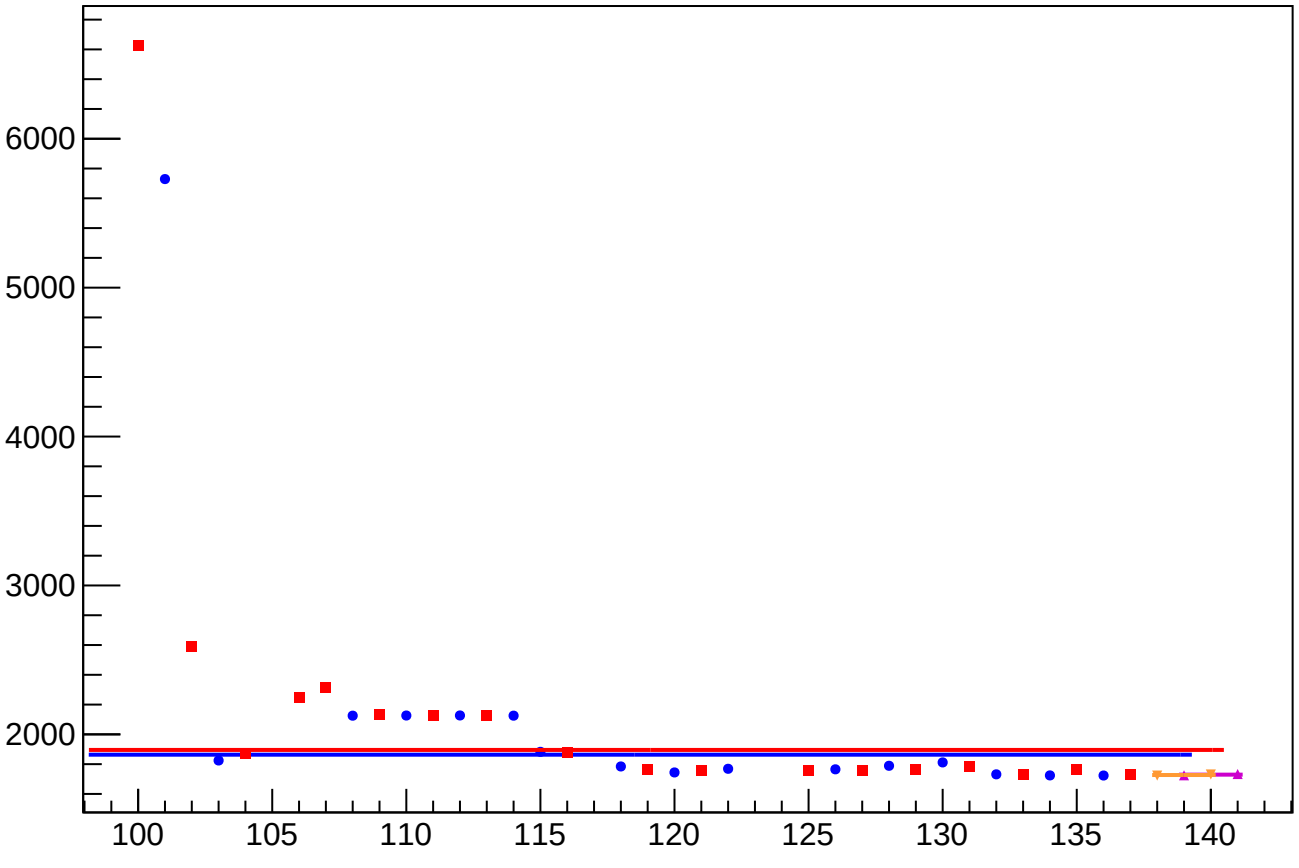
Left: 990.728+/-943.489 χ^2/NDF: 3.6/3

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 301.611+/-624.092 χ^2/NDF:18.6/17

Out: 304.617+/-631.076 χ^2/NDF:17.7/19

All: 303.097+/-443.748 χ^2/NDF: 36.3/37



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1727.011+/-0.958 χ^2/NDF:15.1/1

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1729.507+/-0.929 χ^2/NDF:21.2/1

Left: 1728.297+/-0.667 χ^2/NDF: 39.8/3

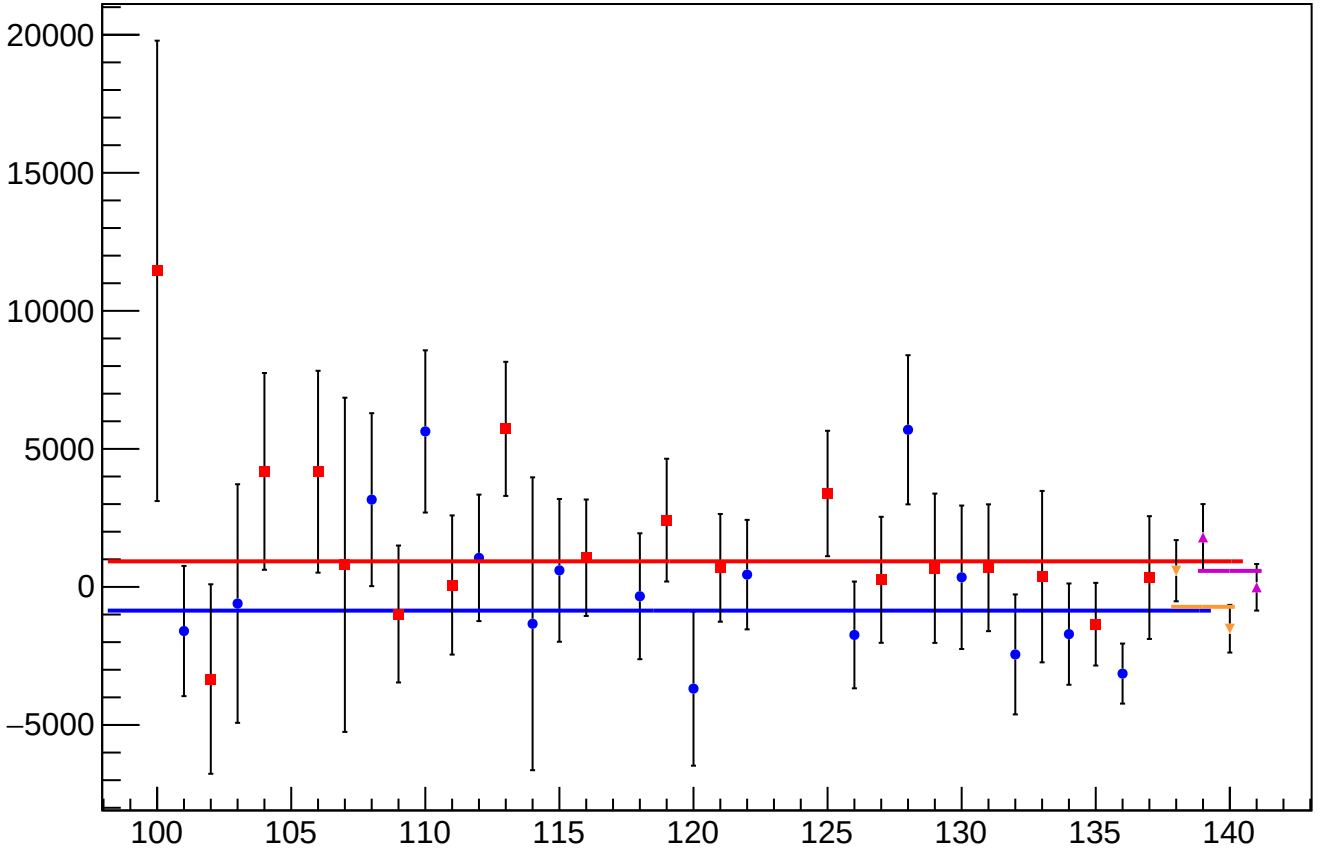
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1833.347+/-0.441 χ^2/NDF:690807.8/17

Out: 1858.962+/-0.446 χ^2/NDF:283392.6/19

All: 1846.012+/-0.314 χ^2/NDF: 975866.3/37

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -720.454+/-681.223 χ^2/NDF:2.2/1

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 580.715+/-691.350 χ^2/NDF:1.5/1

Left: -79.469+/-485.238 χ^2/NDF: 5.5/3

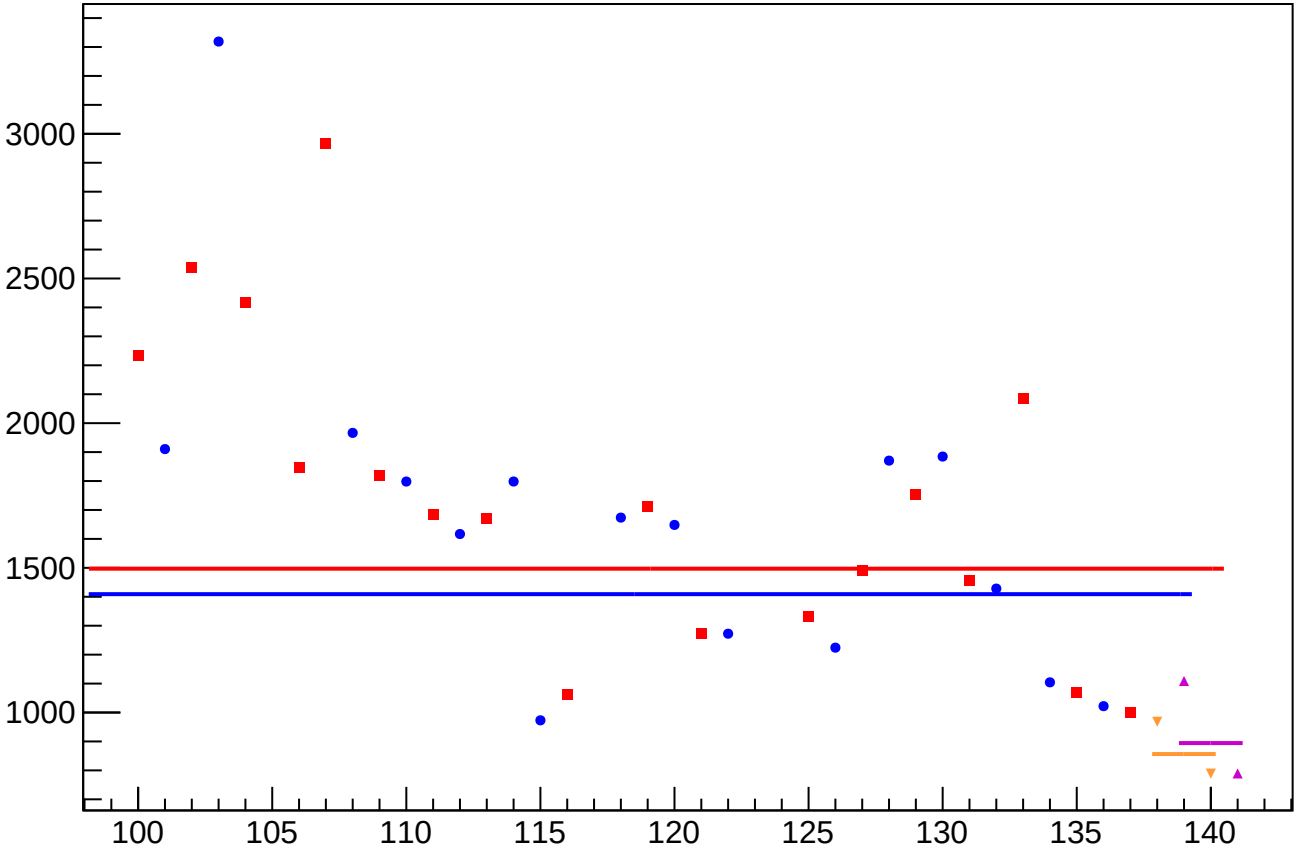
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -300.752+/-430.291 χ^2/NDF:24.8/17

Out: 228.014+/-443.763 χ^2/NDF:19.1/19

All: -44.517+/-308.915 χ^2/NDF: 44.6/37

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 856.489+/-0.482 χ^2/NDF:32545.1/1

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 894.436+/-0.489 χ^2/NDF:94180.9/1

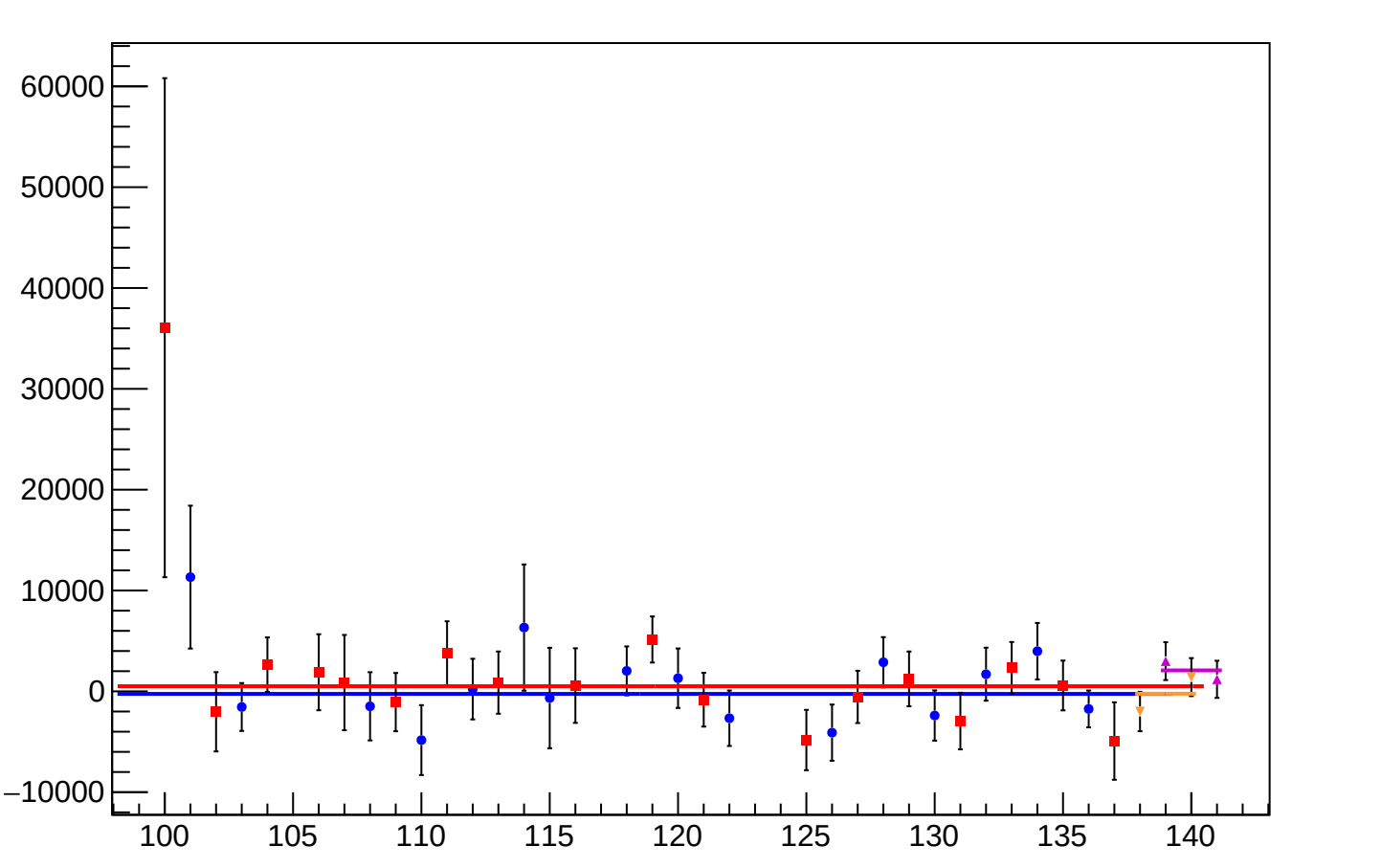
Left: 875.183+/-0.343 χ^2/NDF: 129783.2/3

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1209.684+/-0.304 χ^2/NDF:1940042.7/17

Out: 1225.285+/-0.314 χ^2/NDF:2068944.3/19

All: 1217.244+/-0.218 χ^2/NDF: 4010261.2/37



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: -235.070+/-1356.445 χ^2/NDF:1.6/1

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 2079.112+/-1314.862 χ^2/NDF:0.5/1

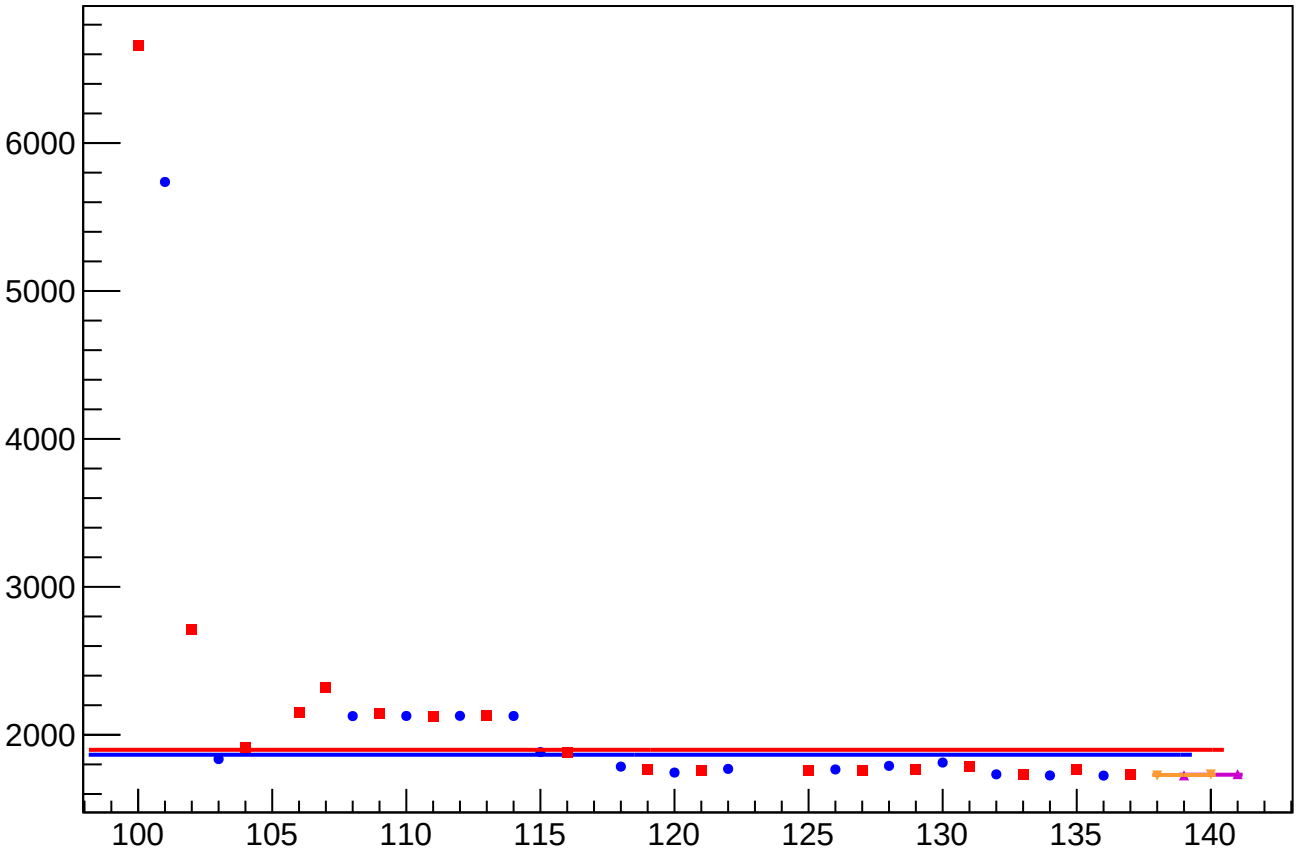
Left: 958.037+/-944.106 χ^2/NDF: 3.6/3

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 274.208+/-624.719 χ^2/NDF:18.6/17

Out: 347.931+/-632.815 χ^2/NDF:18.2/19

All: 310.595+/-444.578 χ^2/NDF: 36.8/37



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1728.466+/-0.959 χ^2/NDF:14.8/1

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1730.333+/-0.930 χ^2/NDF:20.8/1

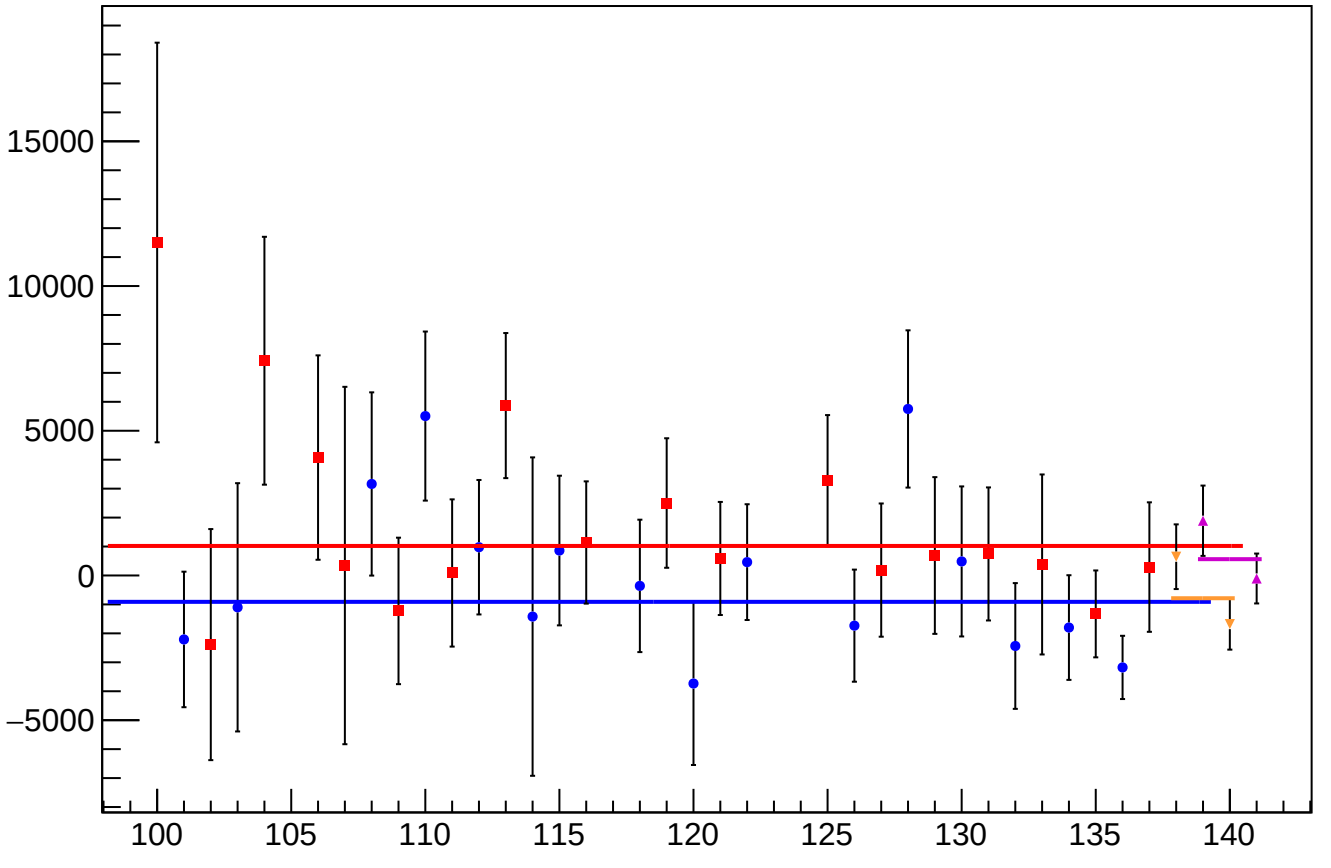
Left: 1729.429+/-0.668 χ^2/NDF: 37.6/3

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1834.941+/-0.442 χ^2/NDF:691360.3/17

Out: 1861.574+/-0.447 χ^2/NDF:293741.4/19

All: 1848.086+/-0.314 χ^2/NDF: 986895.7/37



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -786.395+/-692.396 χ^2/NDF:2.7/1

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 563.490+/-702.842 χ^2/NDF:1.8/1

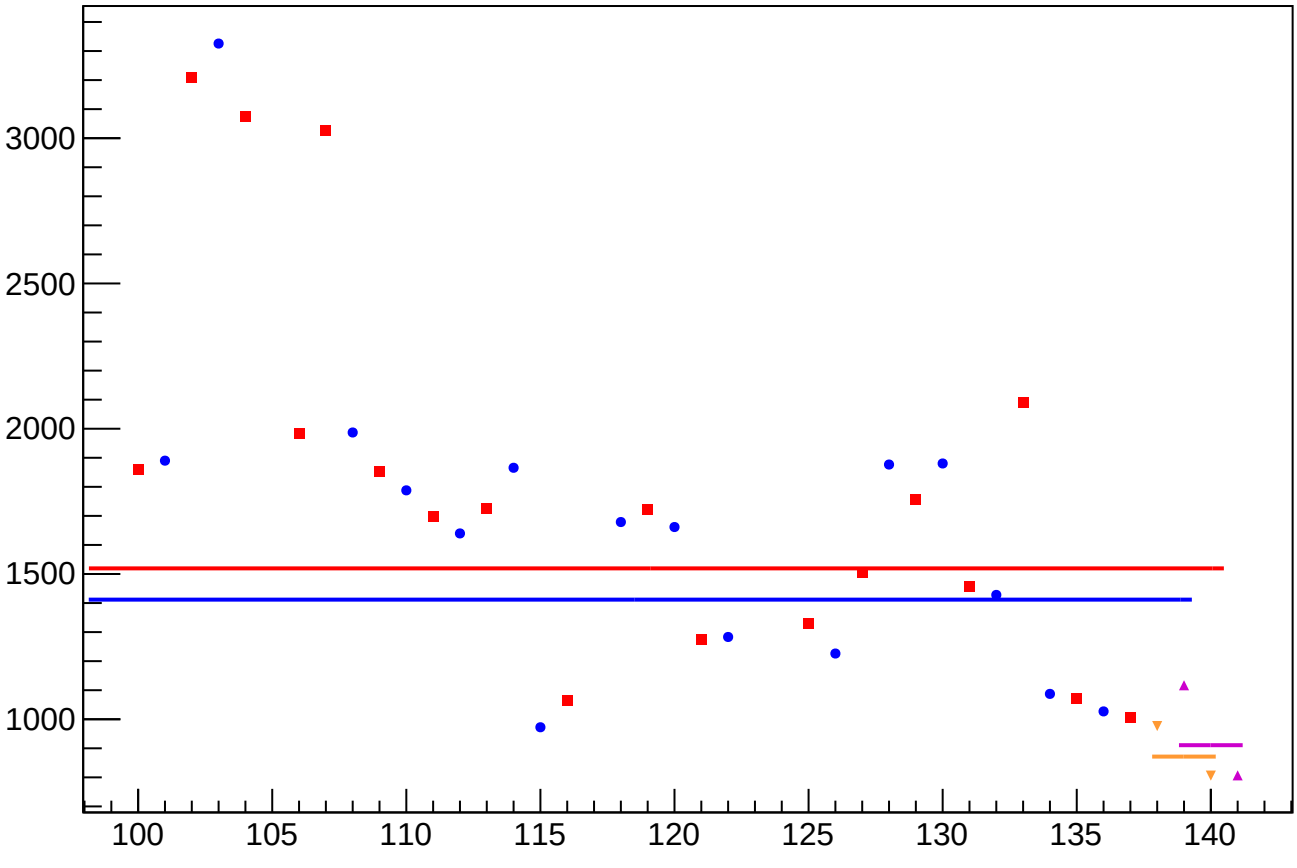
Left: -121.558+/-493.250 χ^2/NDF: 6.3/3

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -349.916+/-433.551 χ^2/NDF:25.5/17

Out: 257.811+/-449.780 χ^2/NDF:21.5/19

All: -57.214+/-312.147 χ^2/NDF: 48.0/37



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 871.505+/-0.490 χ^2/NDF:28717.1/1

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 910.754+/-0.497 χ^2/NDF:86689.7/1

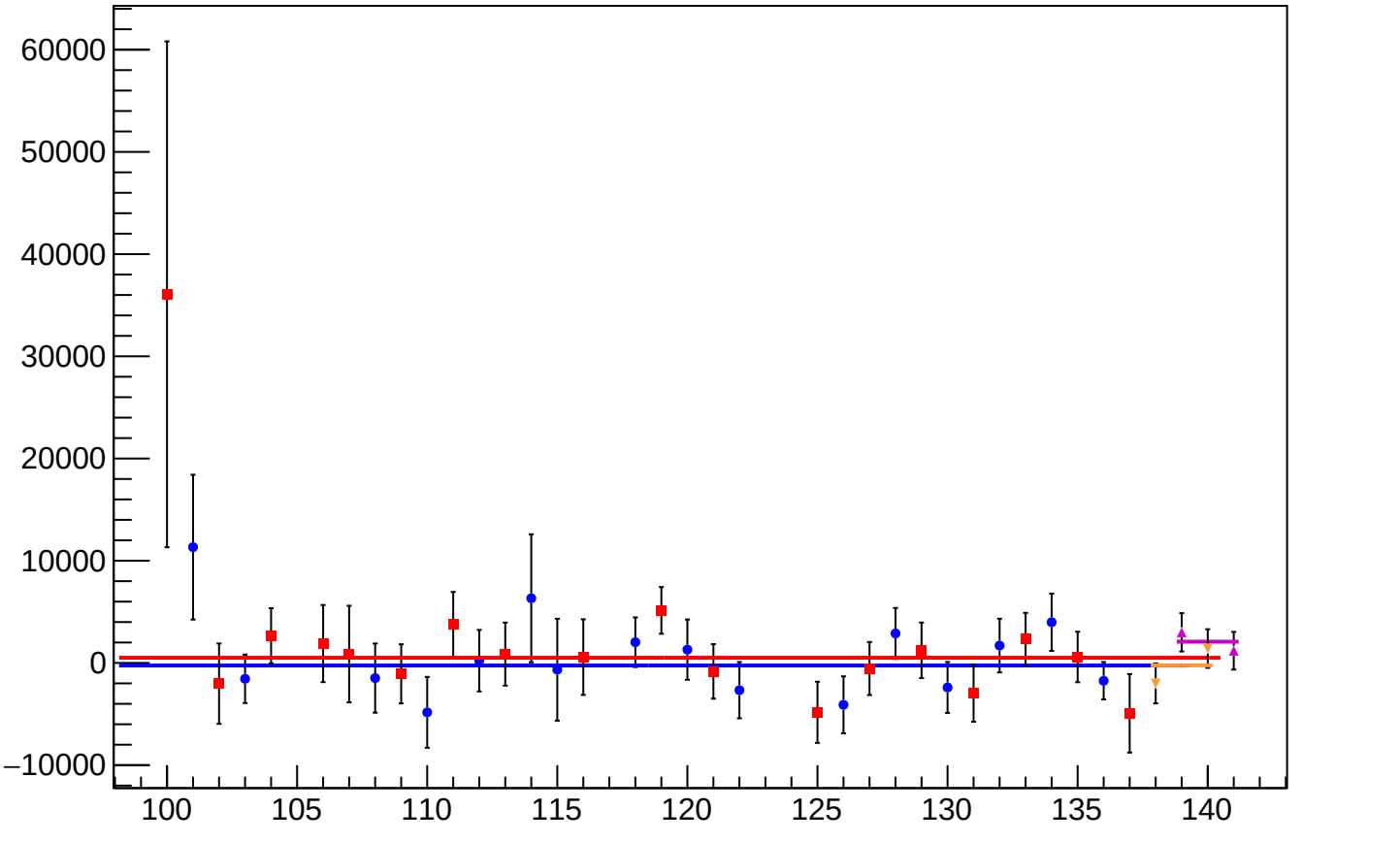
Left: 890.836+/-0.349 χ^2/NDF: 118571.9/3

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1221.115+/-0.307 χ^2/NDF:1893963.6/17

Out: 1245.947+/-0.318 χ^2/NDF:2400782.3/19

All: 1233.075+/-0.221 χ^2/NDF: 4297905.9/37



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: -235.068+/-1356.445 χ^2/NDF:1.6/1

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 2079.117+/-1314.862 χ^2/NDF:0.5/1

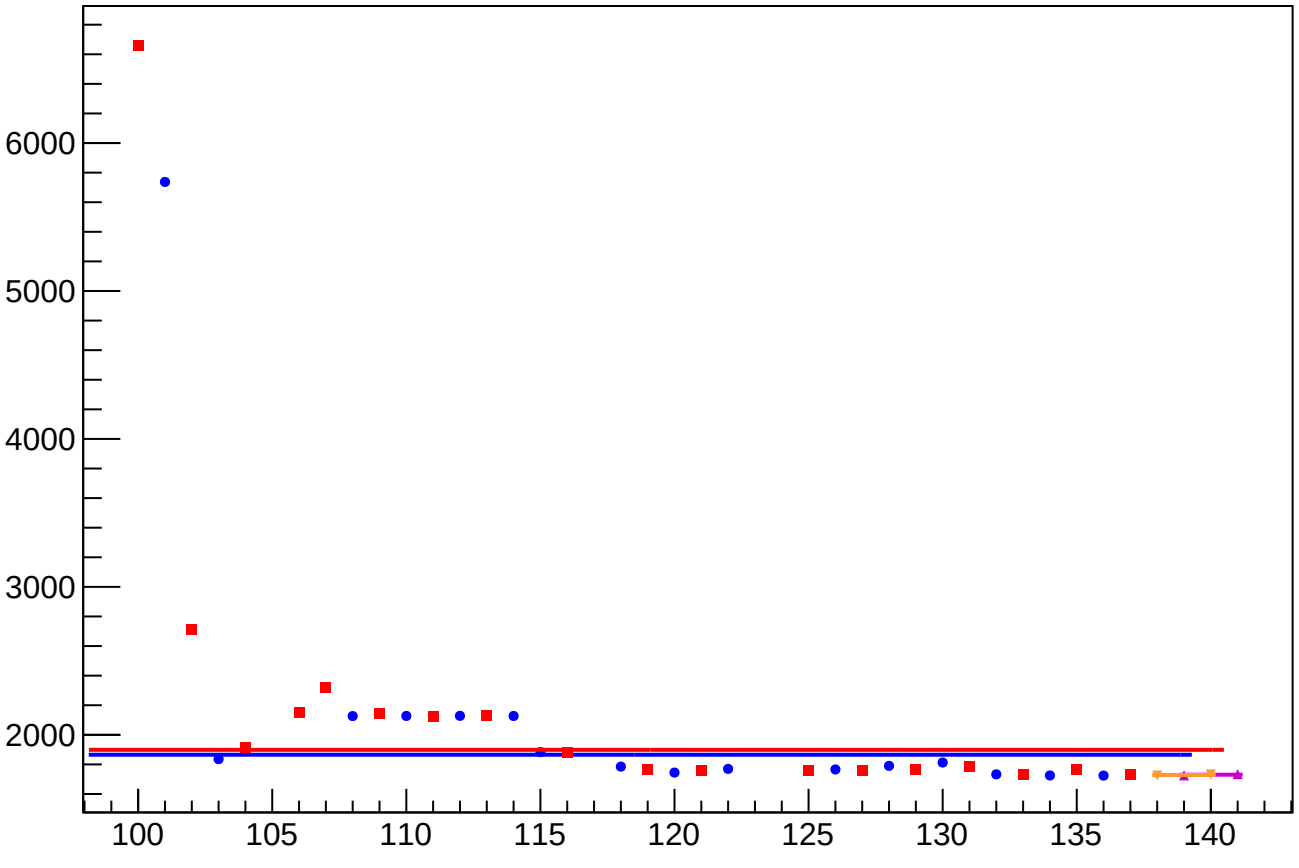
Left: 958.040+/-944.106 χ^2/NDF: 3.6/3

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 274.209+/-624.719 χ^2/NDF:18.6/17

Out: 347.931+/-632.814 χ^2/NDF:18.2/19

All: 310.596+/-444.578 χ^2/NDF: 36.8/37



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1728.466+/-0.959 χ^2/NDF:14.8/1

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1730.333+/-0.930 χ^2/NDF:20.8/1

Left: 1729.429+/-0.668 χ^2/NDF: 37.6/3

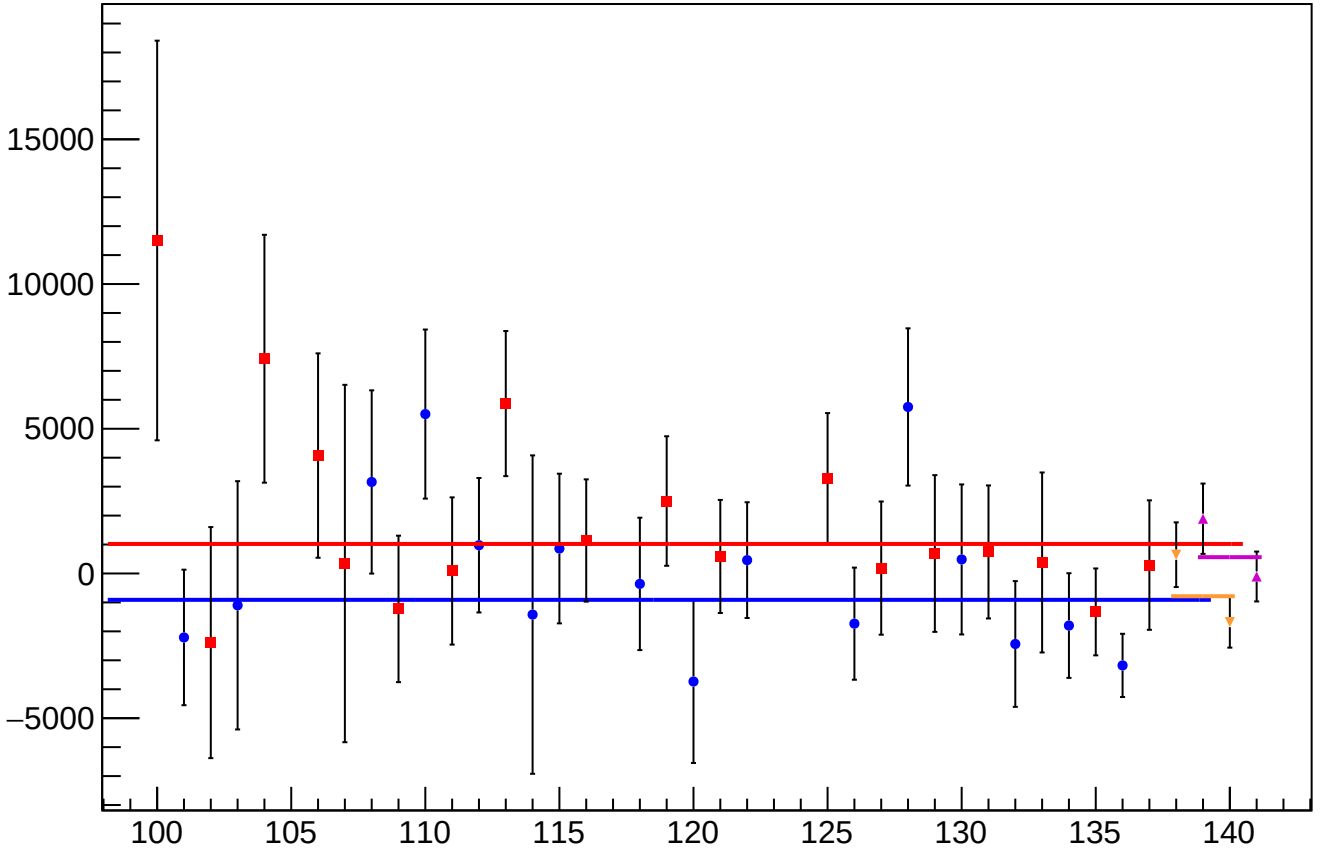
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1834.941+/-0.442 χ^2/NDF:691360.3/17

Out: 1861.574+/-0.447 χ^2/NDF:293741.1/19

All: 1848.086+/-0.314 χ^2/NDF: 986895.4/37

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -786.400+/-692.396 χ^2/NDF:2.7/1

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 563.487+/-702.841 χ^2/NDF:1.8/1

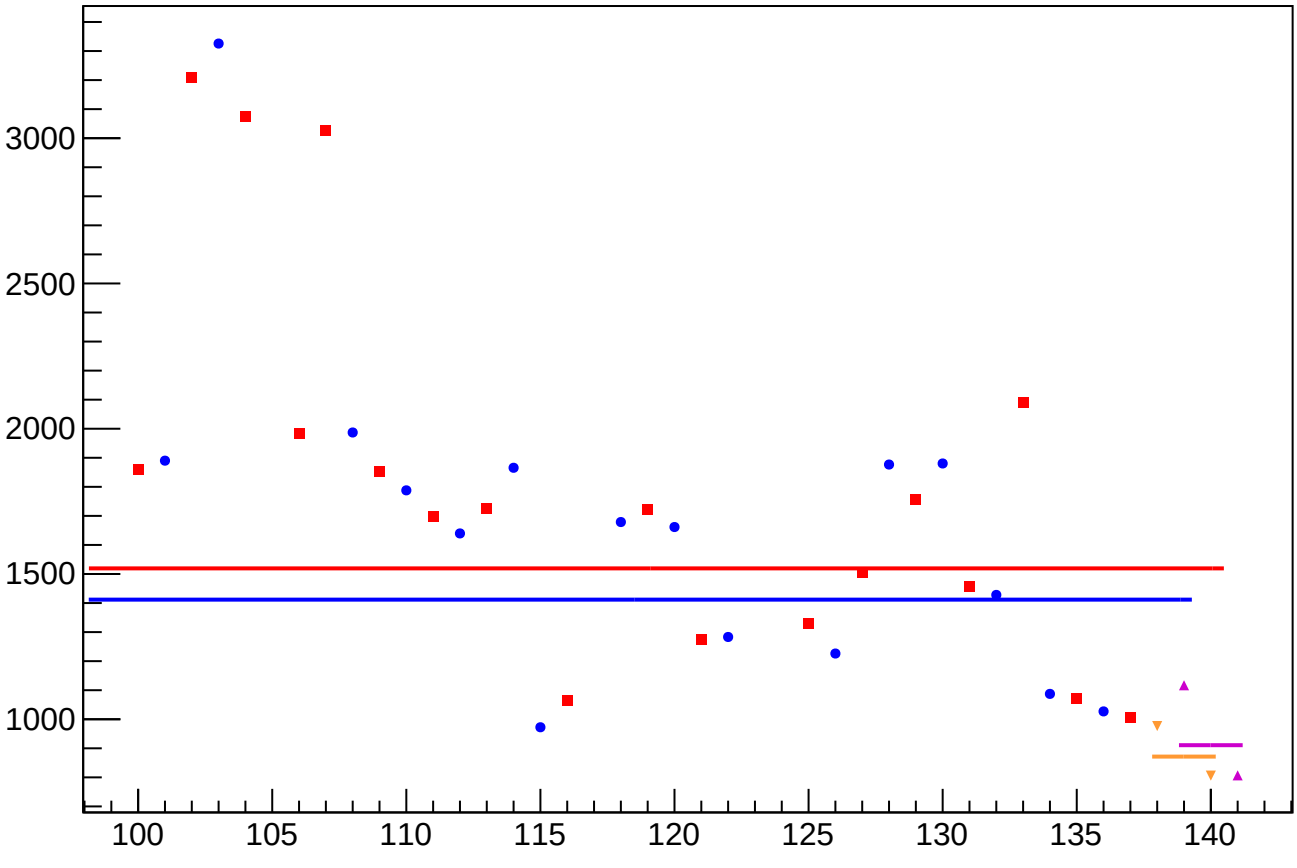
Left: -121.562+/-493.249 χ^2/NDF: 6.3/3

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -349.915+/-433.550 χ^2/NDF:25.5/17

Out: 257.809+/-449.779 χ^2/NDF:21.5/19

All: -57.215+/-312.146 χ^2/NDF: 48.0/37



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 871.504+/-0.490 χ^2/NDF:28718.9/1

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 910.752+/-0.497 χ^2/NDF:86693.3/1

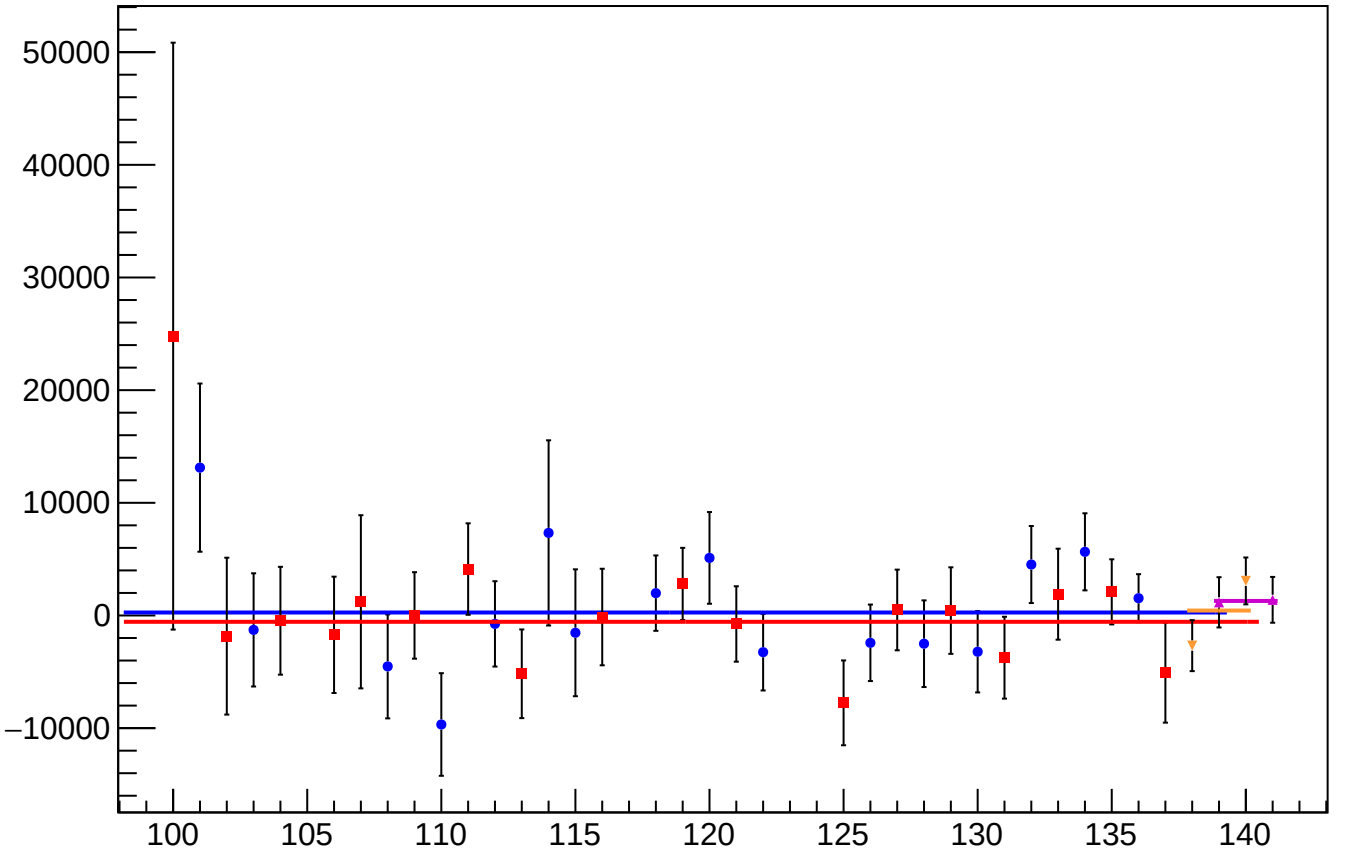
Left: 890.834+/-0.349 χ^2/NDF: 118577.2/3

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1221.113+/-0.307 χ^2/NDF:1893964.8/17

Out: 1245.946+/-0.318 χ^2/NDF:2400785.9/19

All: 1233.073+/-0.221 χ^2/NDF: 4297910.8/37



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 436.999+/-1531.070 χ^2/NDF:3.5/1

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 1288.806+/-1502.780 χ^2/NDF:0.0/1

Left: 870.845+/-1072.488 χ^2/NDF: 3.7/3

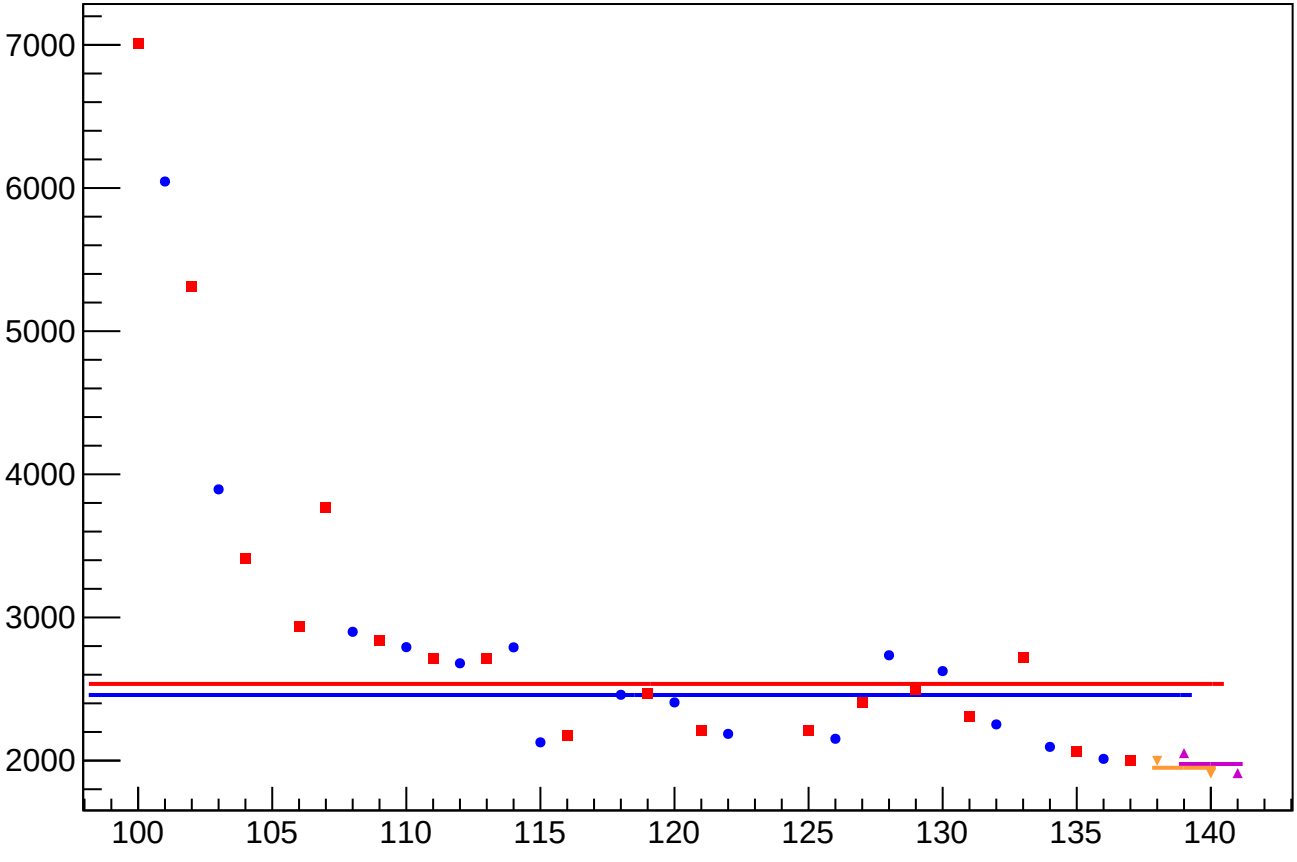
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 553.350+/-798.142 χ^2/NDF:19.4/17

Out: -278.099+/-815.129 χ^2/NDF:15.5/19

All: 146.380+/-570.283 χ^2/NDF: 35.4/37

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1949.824+/-1.083 χ^2/NDF:1660.5/1

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1976.203+/-1.063 χ^2/NDF:4286.6/1

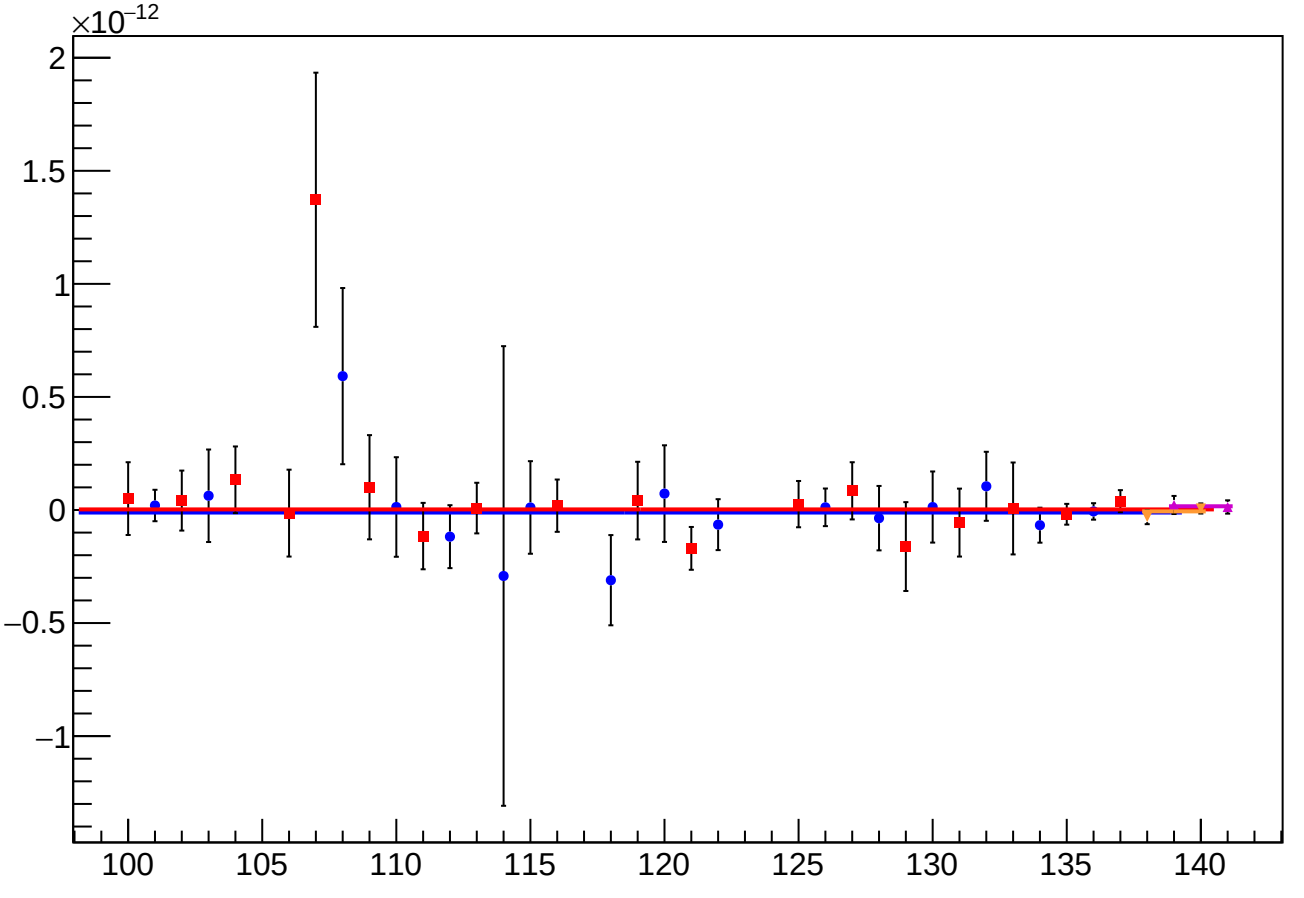
Left: 1963.259+/-0.758 χ^2/NDF: 6249.6/3

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2322.334+/-0.564 χ^2/NDF:984964.4/17

Out: 2369.698+/-0.576 χ^2/NDF:884904.3/19

All: 2345.518+/-0.403 χ^2/NDF: 1873316.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

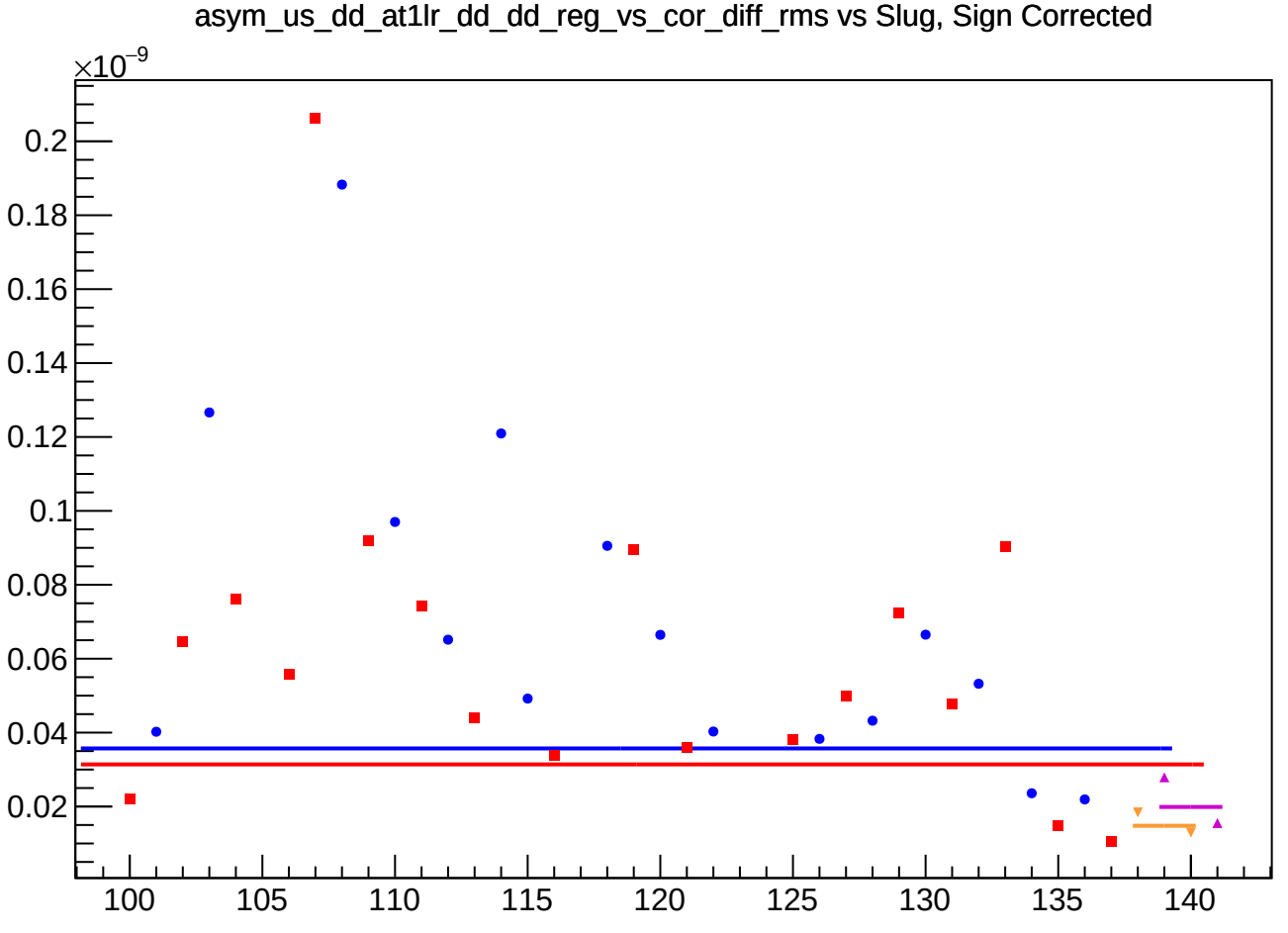
Left: 0.000+/-0.000 χ^2/NDF: 1.6/3

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: 0.000+/-0.000 χ^2/NDF:8.0/17

Out: -0.000+/-0.000 χ^2/NDF:14.3/19

All: -0.000+/-0.000 χ^2/NDF: 22.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:40269.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:124416.1/1

Left: 0.000+/-0.000 χ^2/NDF: 222761.4/3

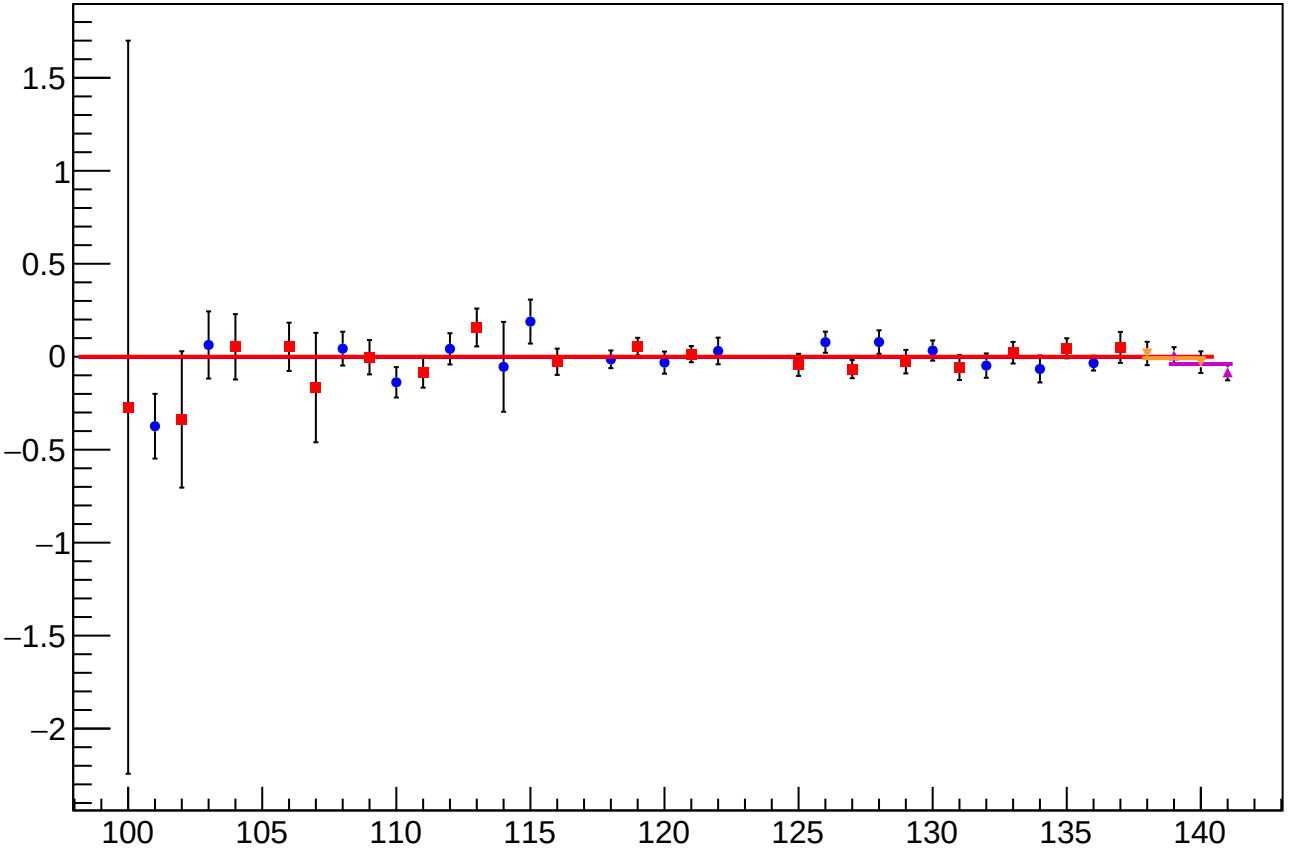
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:2175215.2/17

Out: 0.000+/-0.000 χ^2/NDF:2703282.8/19

All: 0.000+/-0.000 χ^2/NDF: 5060622.8/37

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.008+/-0.043 χ^2/NDF:0.3/1

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.039+/-0.031 χ^2/NDF:2.1/1

Left: -0.028+/-0.025 χ^2/NDF: 2.8/3

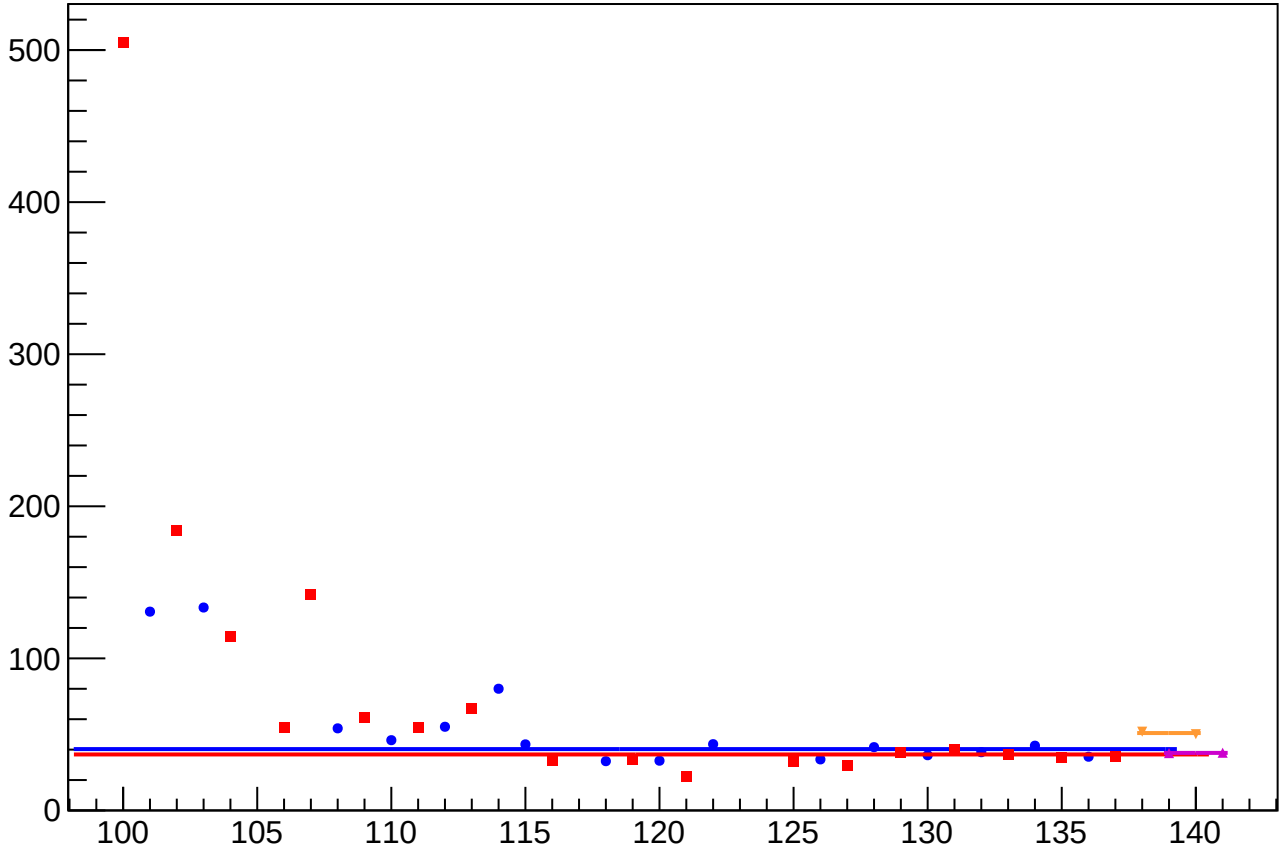
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.011+/-0.015 χ^2/NDF:20.4/17

Out: -0.001+/-0.016 χ^2/NDF:11.2/19

All: -0.006+/-0.011 χ^2/NDF: 31.8/37

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 50.902+/-0.030 χ^2/NDF:749.1/1

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.845+/-0.022 χ^2/NDF:31.7/1

Left: 42.348+/-0.018 χ^2/NDF: 122985.5/3

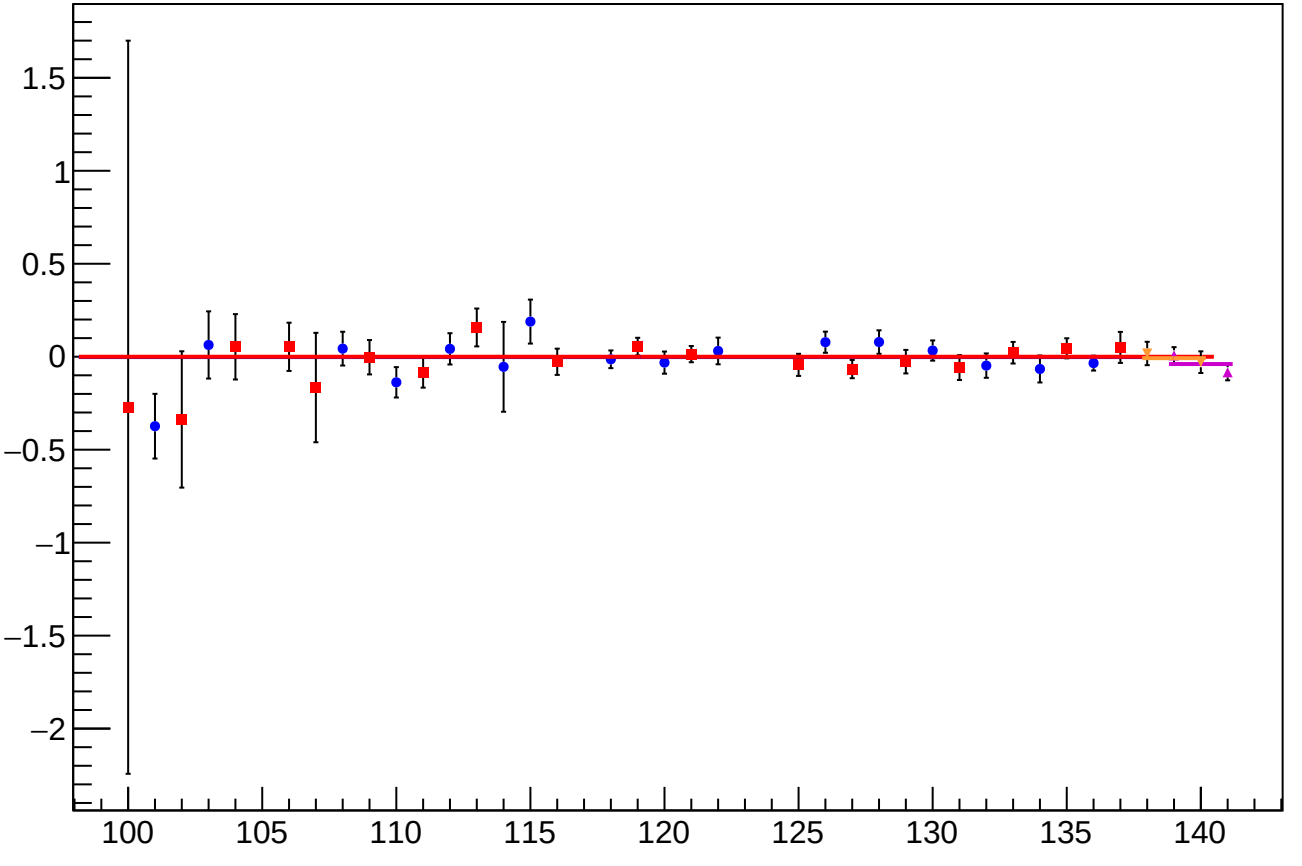
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.768+/-0.011 χ^2/NDF:1420190.3/17

Out: 38.682+/-0.011 χ^2/NDF:2026100.5/19

All: 39.245+/-0.008 χ^2/NDF: 3451370.7/37

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.008+/-0.043 χ^2/NDF:0.3/1

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.039+/-0.031 χ^2/NDF:2.1/1

Left: -0.028+/-0.025 χ^2/NDF: 2.8/3

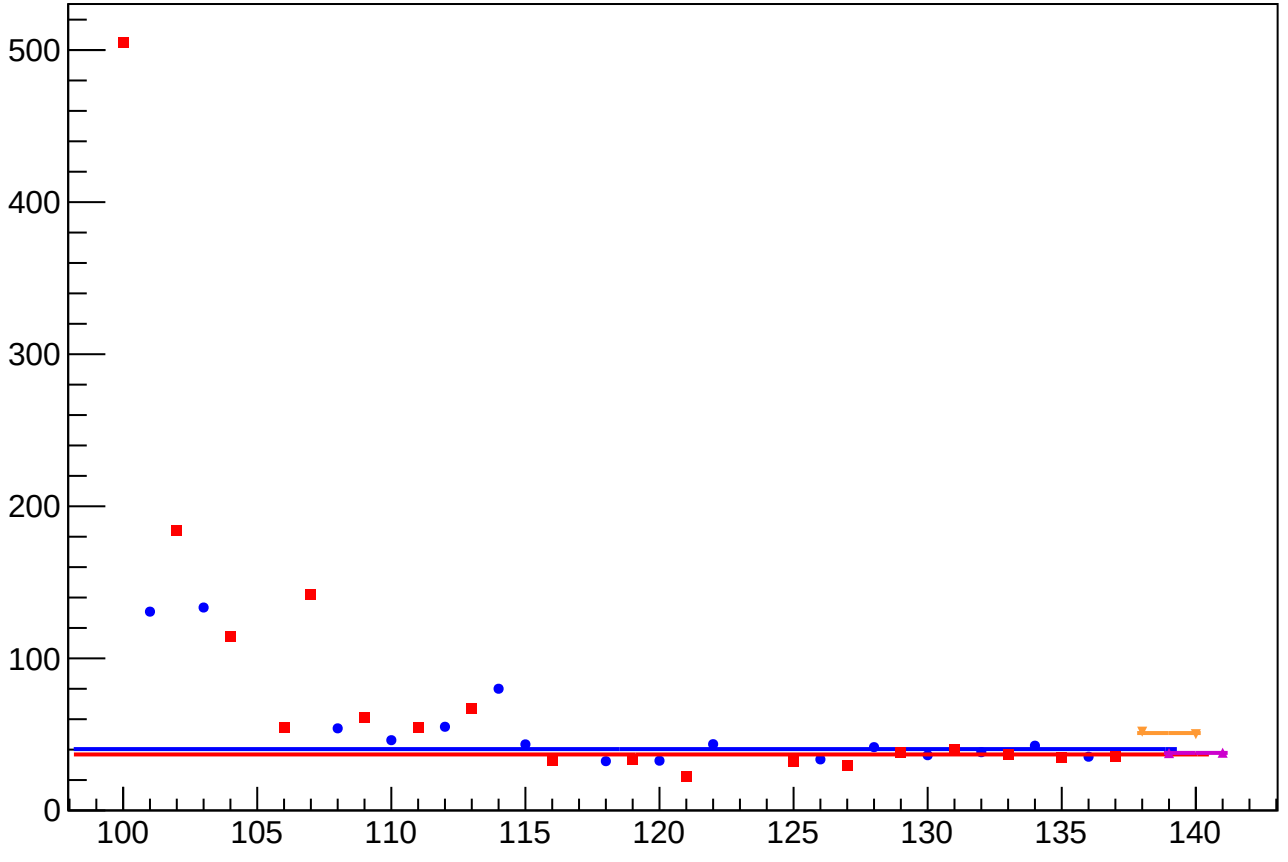
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.011+/-0.015 χ^2/NDF:20.4/17

Out: -0.001+/-0.016 χ^2/NDF:11.2/19

All: -0.006+/-0.011 χ^2/NDF: 31.8/37

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 50.902+/-0.030 χ^2/NDF:749.1/1

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.845+/-0.022 χ^2/NDF:31.7/1

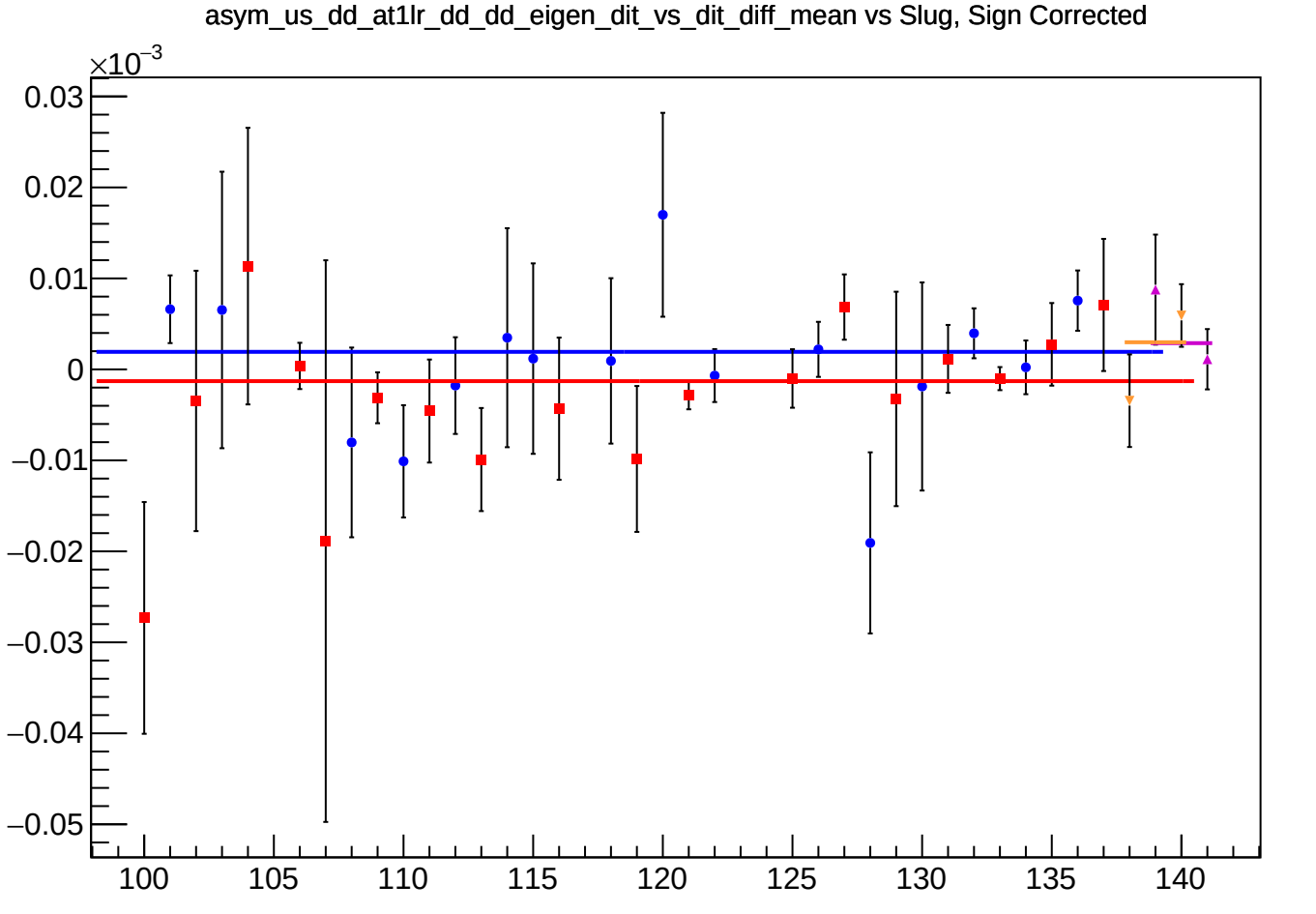
Left: 42.348+/-0.018 χ^2/NDF: 122985.5/3

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

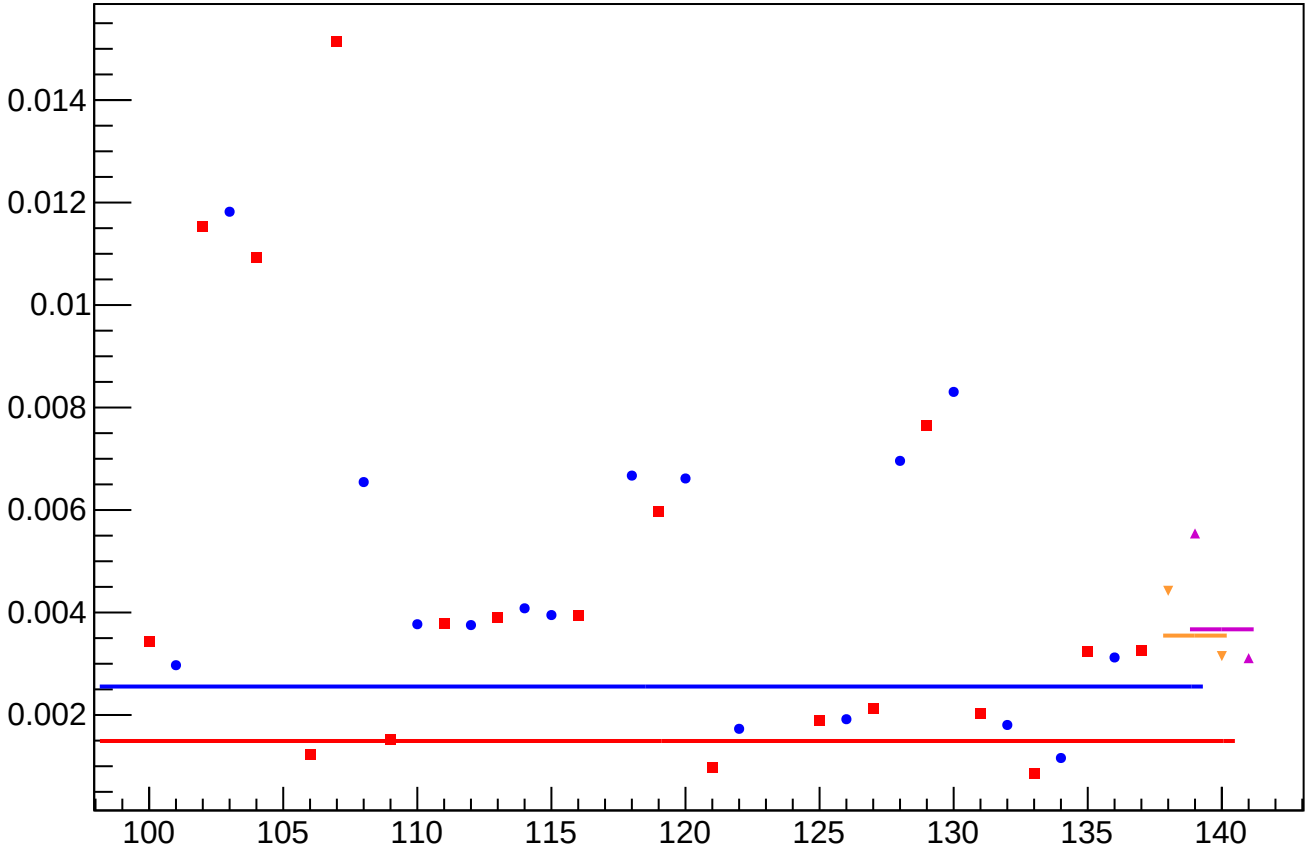
In: 39.768+/-0.011 χ^2/NDF:1420190.3/17

Out: 38.682+/-0.011 χ^2/NDF:2026100.5/19

All: 39.245+/-0.008 χ^2/NDF: 3451370.7/37


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2.3/1
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:1.2/1
Left: 0.000+/-0.000 χ²/NDF: 3.6/3
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:19.2/17
Out: -0.000+/-0.000 χ²/NDF:23.3/19
All: -0.000+/-0.000 χ²/NDF: 48.2/37

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:86070.3/1

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:249101.4/1

Left: 0.004+/-0.000 χ^2/NDF: 336978.8/3

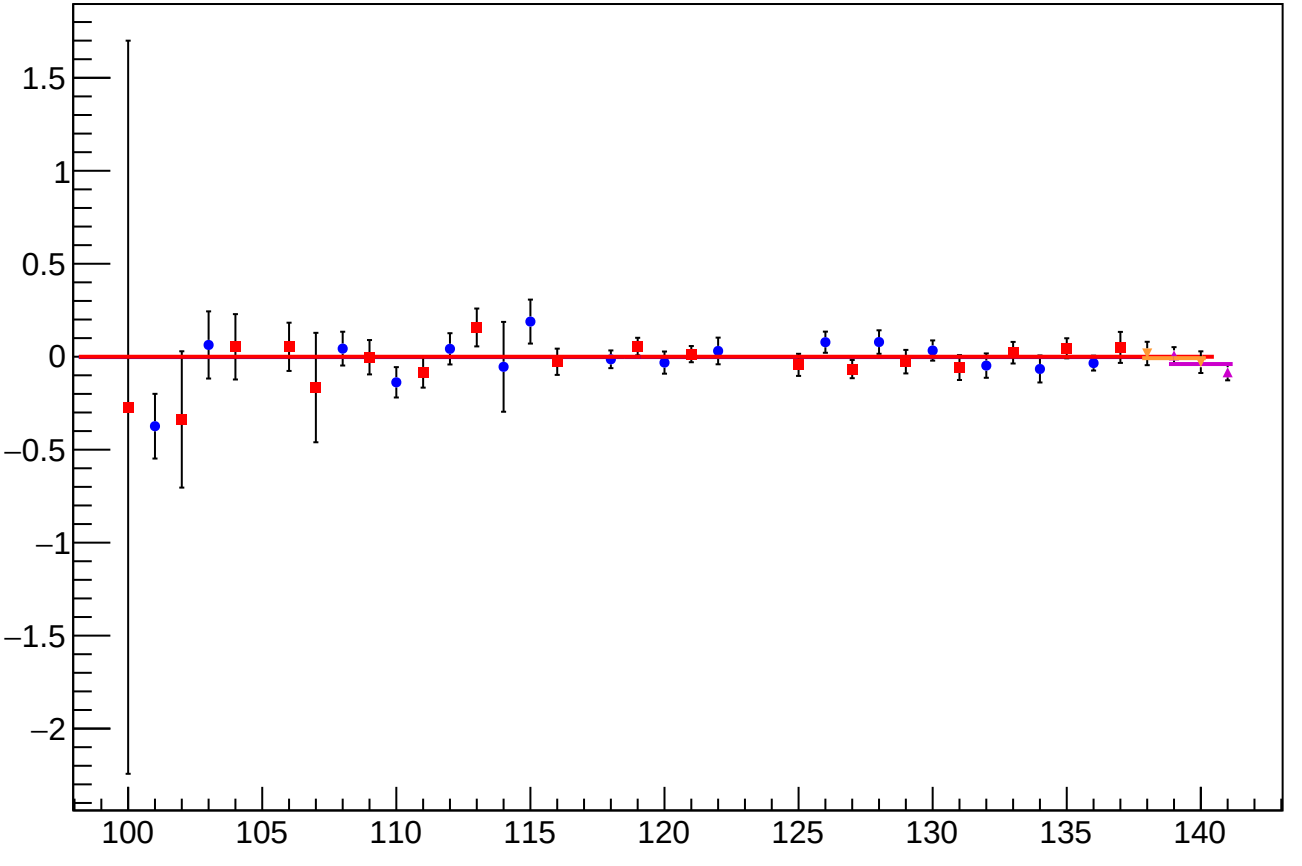
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4287062.3/17

Out: 0.002+/-0.000 χ^2/NDF:6621717.9/19

All: 0.002+/-0.000 χ^2/NDF: 12311793.1/37

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.008+/-0.043 χ^2/NDF:0.3/1

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.039+/-0.031 χ^2/NDF:2.1/1

Left: -0.028+/-0.025 χ^2/NDF: 2.8/3

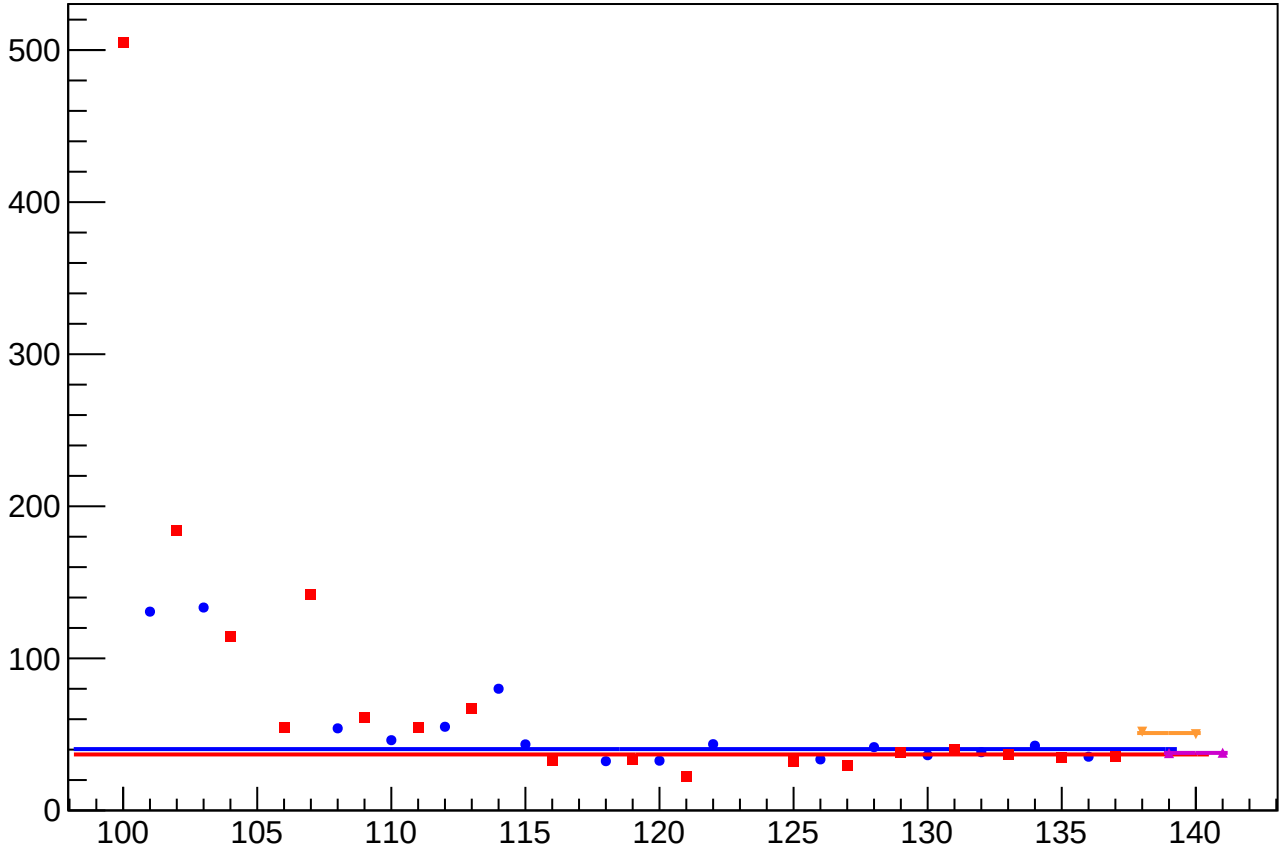
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.011+/-0.015 χ^2/NDF:20.4/17

Out: -0.001+/-0.016 χ^2/NDF:11.2/19

All: -0.006+/-0.011 χ^2/NDF: 31.8/37

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 50.902+/-0.030 χ^2/NDF:750.9/1

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.845+/-0.022 χ^2/NDF:31.3/1

Left: 42.348+/-0.018 χ^2/NDF: 122985.0/3

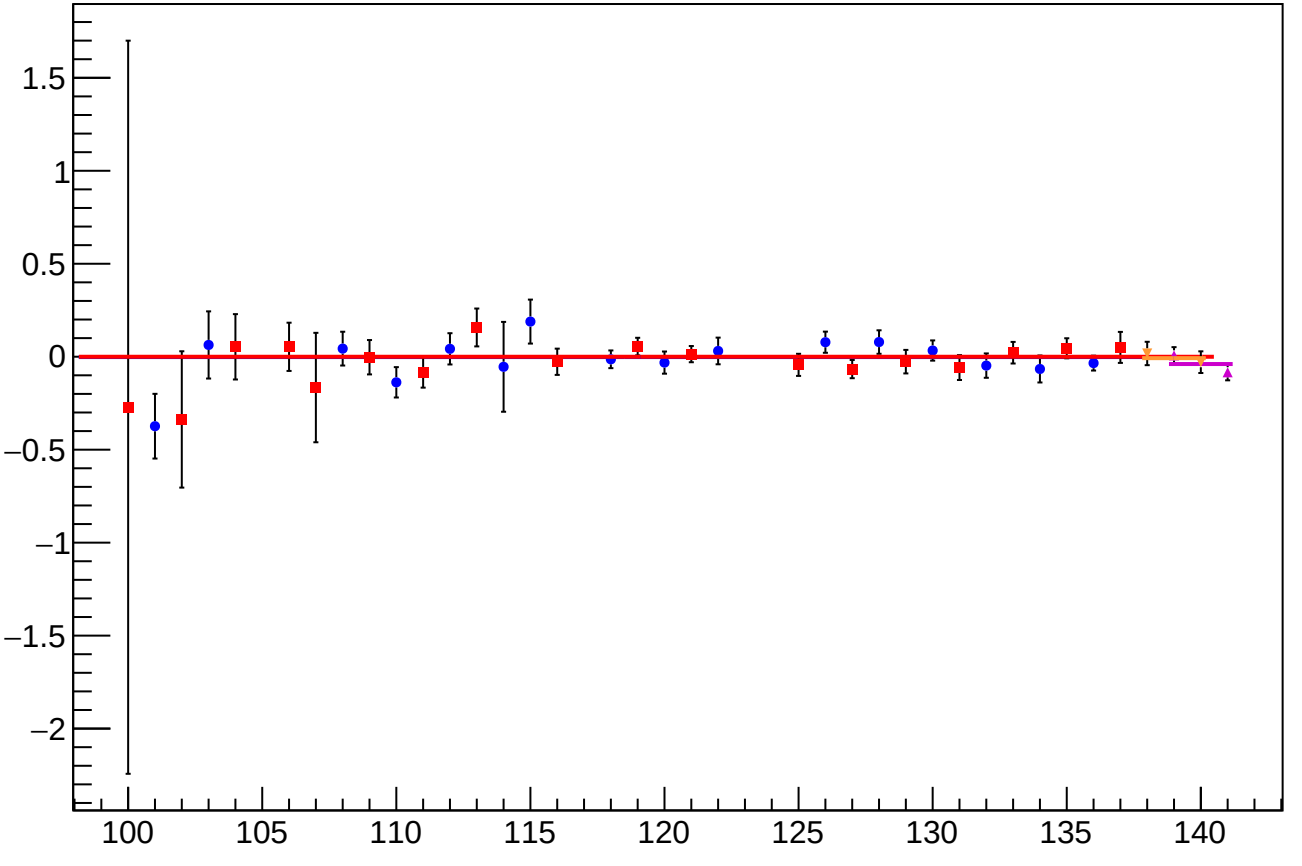
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.769+/-0.011 χ^2/NDF:1420093.9/17

Out: 38.681+/-0.011 χ^2/NDF:2026117.9/19

All: 39.245+/-0.008 χ^2/NDF: 3451303.3/37

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.008+/-0.043 χ^2/NDF:0.3/1

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.039+/-0.031 χ^2/NDF:2.1/1

Left: -0.028+/-0.025 χ^2/NDF: 2.8/3

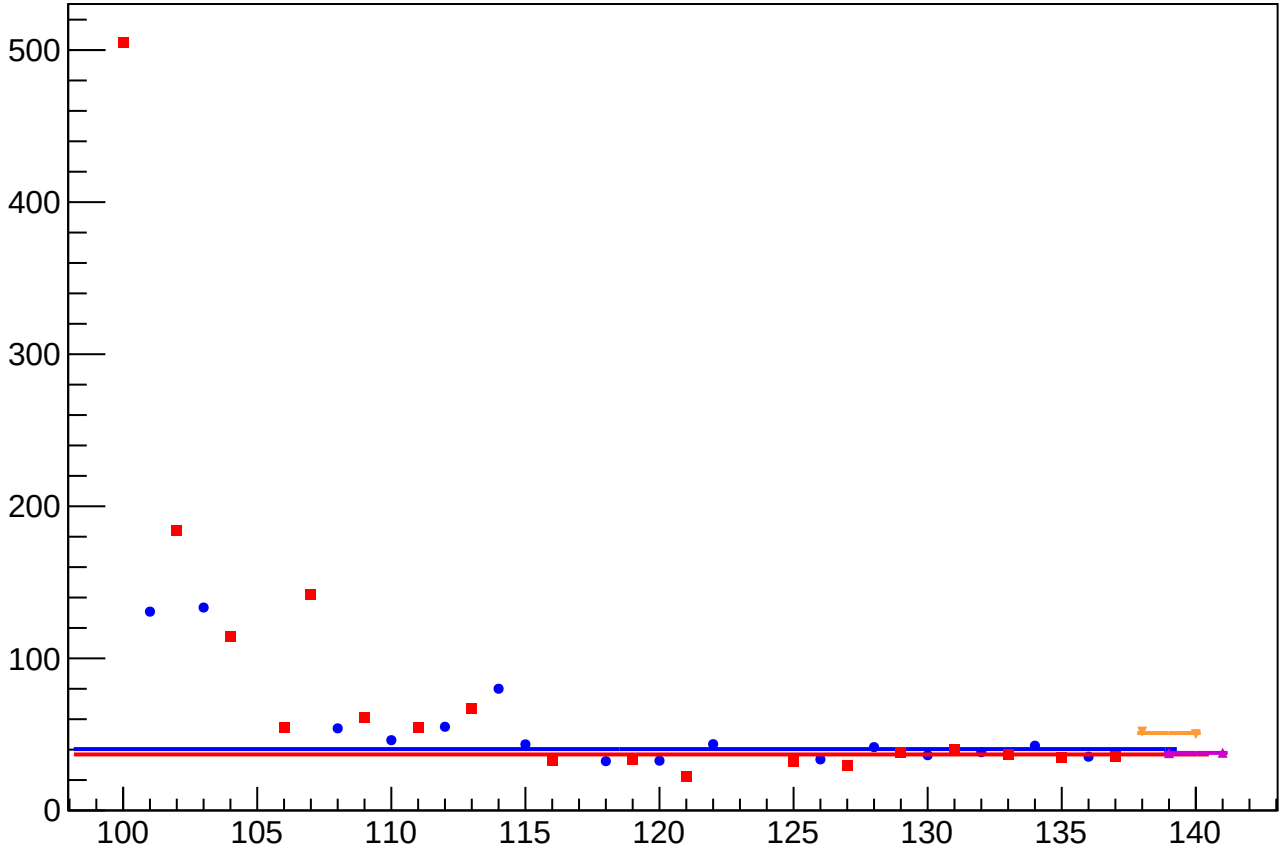
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.011+/-0.015 χ^2/NDF:20.4/17

Out: -0.001+/-0.016 χ^2/NDF:11.2/19

All: -0.006+/-0.011 χ^2/NDF: 31.8/37

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 50.902+/-0.030 χ^2/NDF:750.9/1

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.845+/-0.022 χ^2/NDF:31.3/1

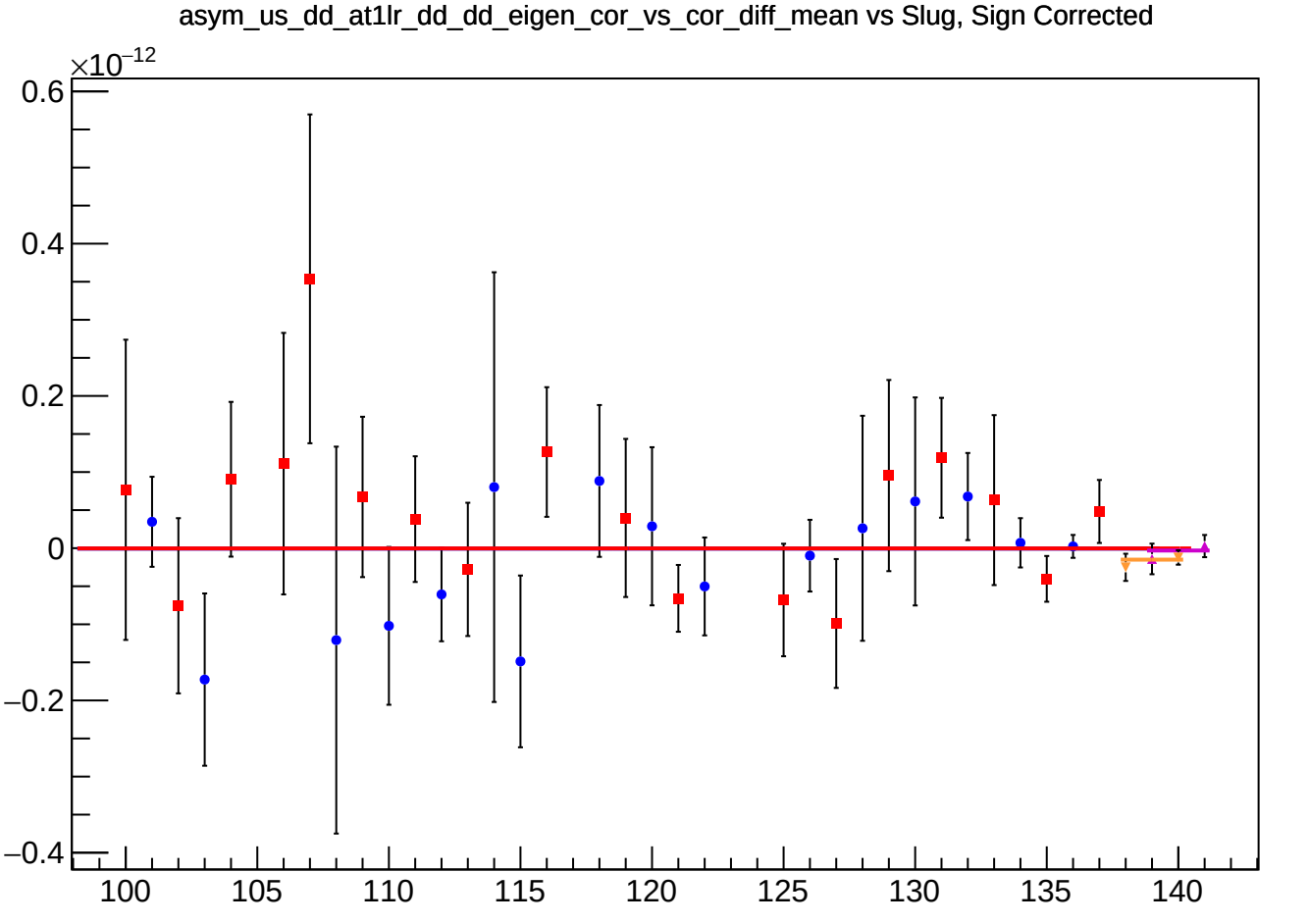
Left: 42.348+/-0.018 χ^2/NDF: 122985.0/3

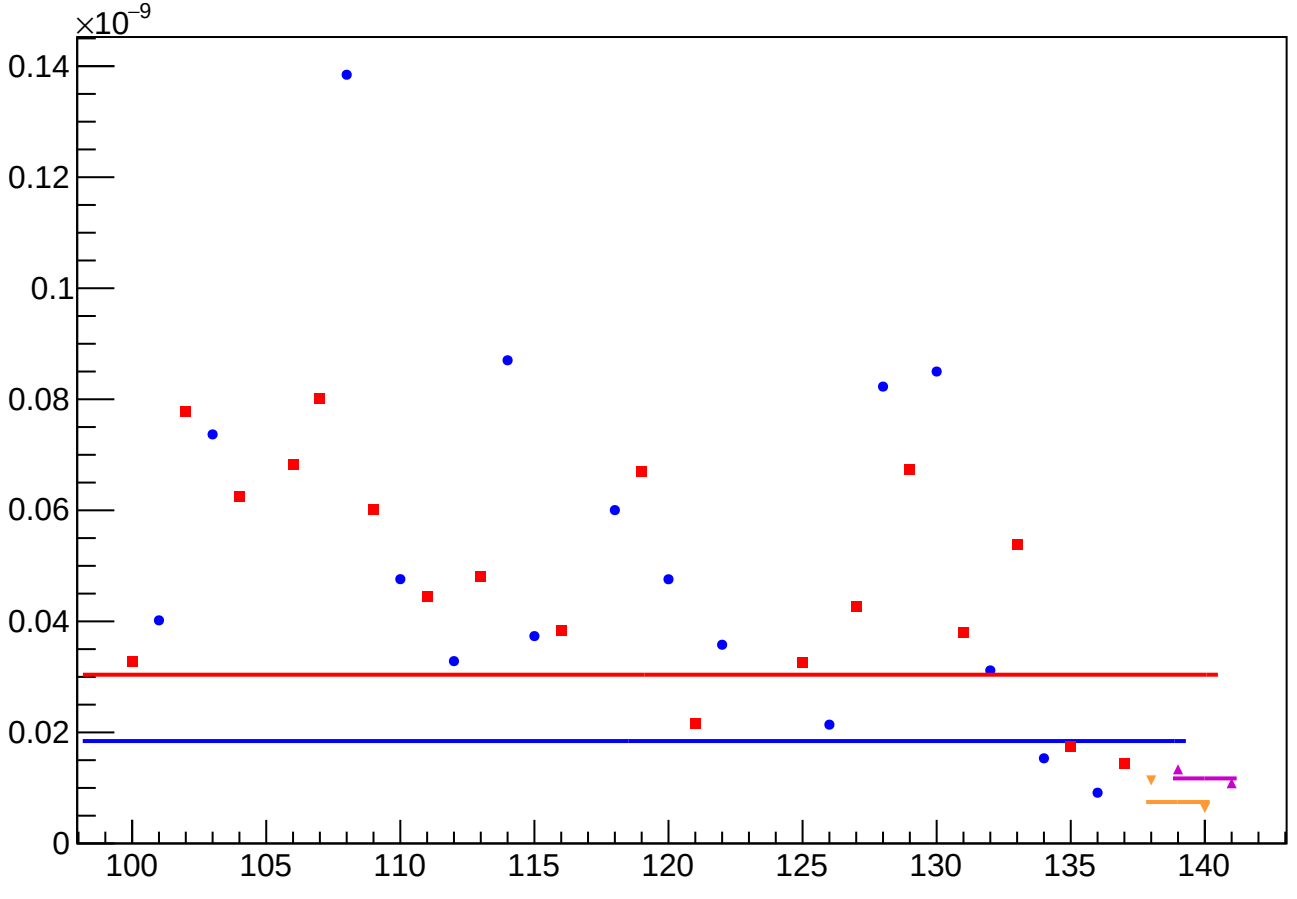
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.769+/-0.011 χ^2/NDF:1420093.9/17

Out: 38.681+/-0.011 χ^2/NDF:2026117.9/19

All: 39.245+/-0.008 χ^2/NDF: 3451303.3/37


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: -0.000+/-0.000 χ²/NDF:0.4/1
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/17
Left In: -0.000+/-0.000 χ²/NDF:0.5/1
Left: -0.000+/-0.000 χ²/NDF: 1.6/3
Right: -0.000+/-0.000 χ²/NDF: 28.2/33
In: -0.000+/-0.000 χ²/NDF:10.4/17
Out: -0.000+/-0.000 χ²/NDF:19.4/19
All: -0.000+/-0.000 χ²/NDF: 30.6/37



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:121524.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:20298.9/1

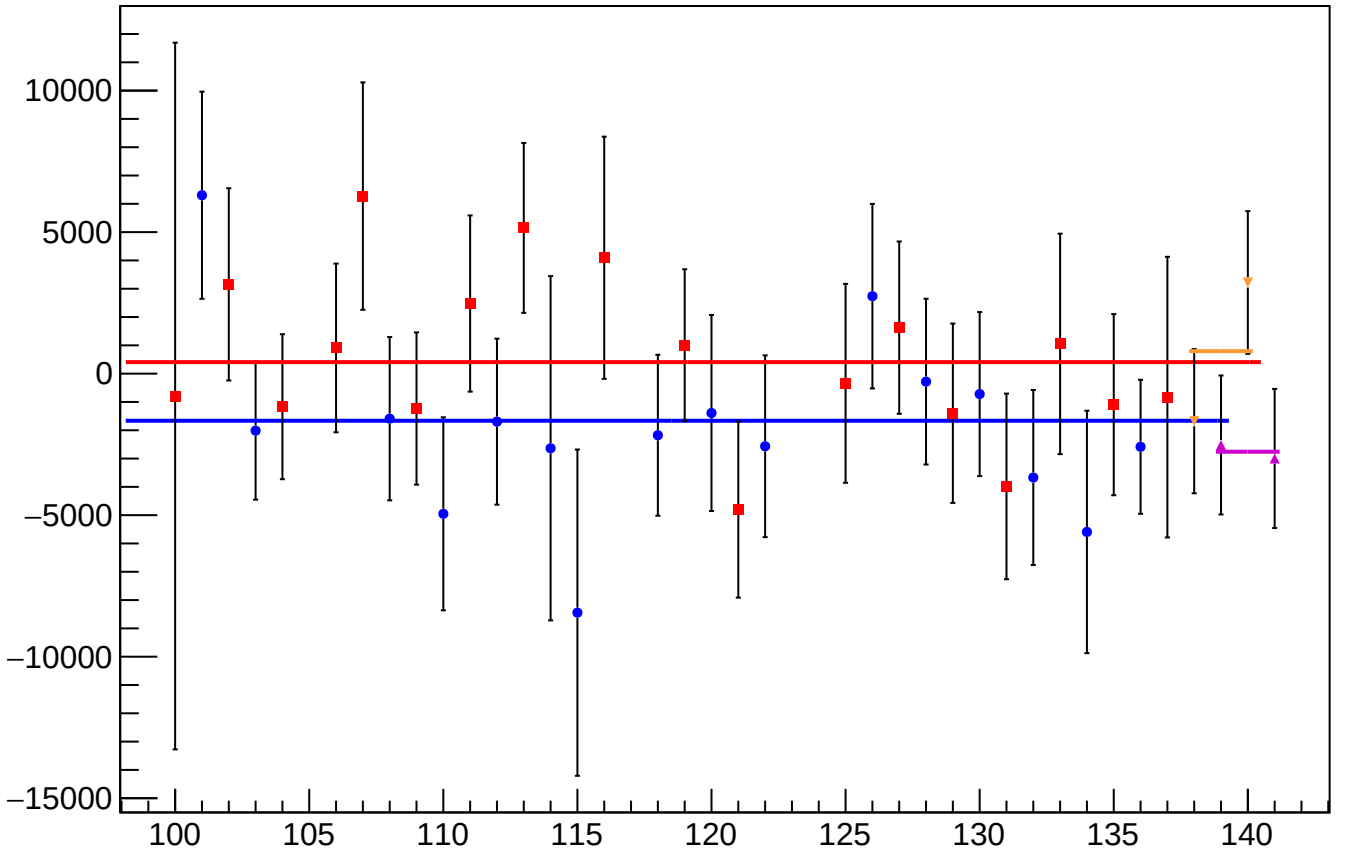
Left: 0.000+/-0.000 χ^2/NDF: 314386.7/3

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4375014.5/17

Out: 0.000+/-0.000 χ^2/NDF:5592910.2/19

All: 0.000+/-0.000 χ^2/NDF: 10111865.2/37



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 795.670+/-1792.112 χ^2/NDF:1.9/1

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -2758.695+/-1737.050 χ^2/NDF:0.0/1

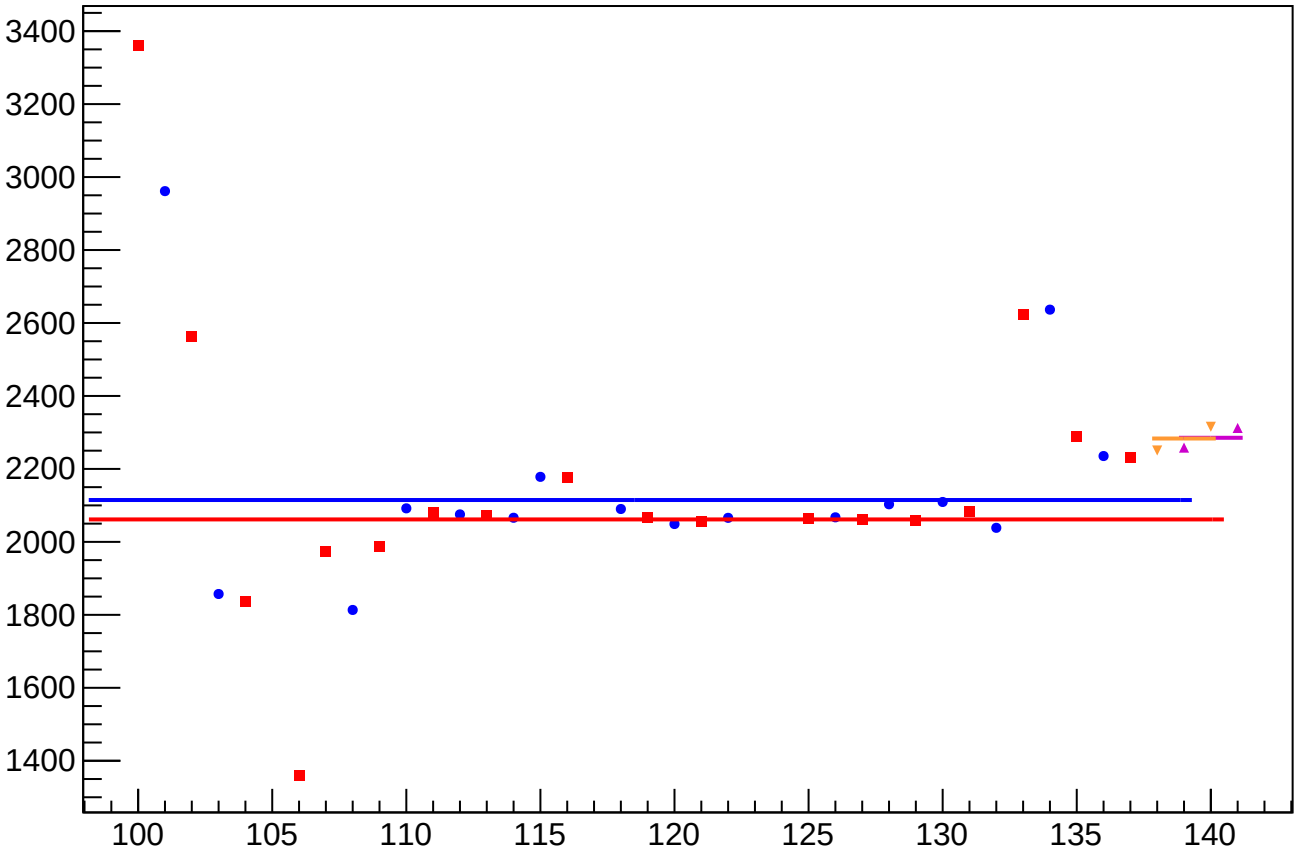
Left: -1036.954+/-1247.292 χ^2/NDF: 3.9/3

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1852.722+/-720.753 χ^2/NDF:11.1/17

Out: 468.393+/-713.002 χ^2/NDF:14.6/19

All: -679.616+/-506.887 χ^2/NDF: 31.0/37



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2283.352+/-1.267 χ^2/NDF:657.8/1

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2285.337+/-1.228 χ^2/NDF:481.5/1

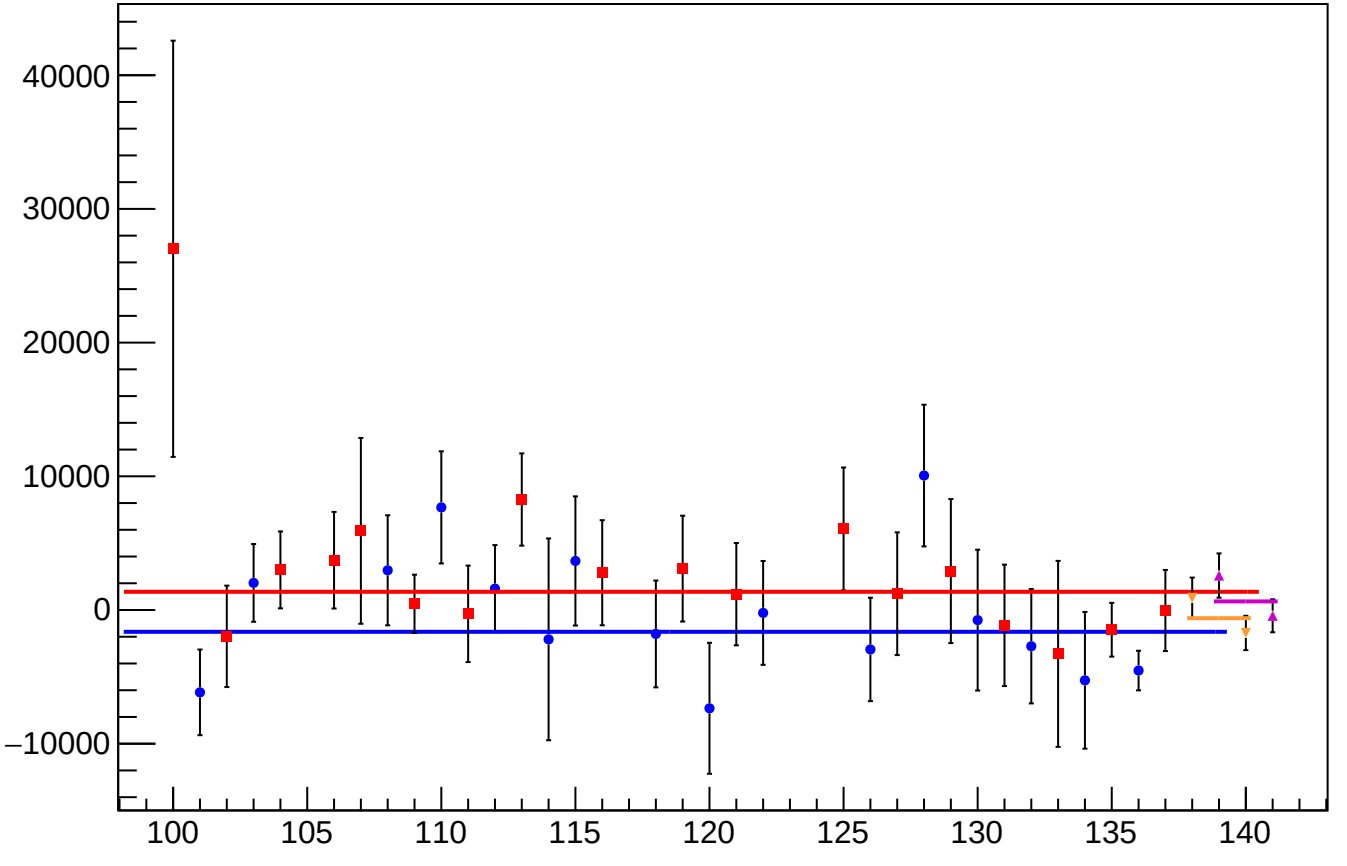
Left: 2284.375+/-0.882 χ^2/NDF: 1140.5/3

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2144.123+/-0.510 χ^2/NDF:206368.7/17

Out: 2096.667+/-0.504 χ^2/NDF:275628.6/19

All: 2120.139+/-0.358 χ^2/NDF: 486379.5/37



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -613.579+/-979.231 χ^2/NDF:1.8/1

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 641.736+/-989.131 χ^2/NDF:2.1/1

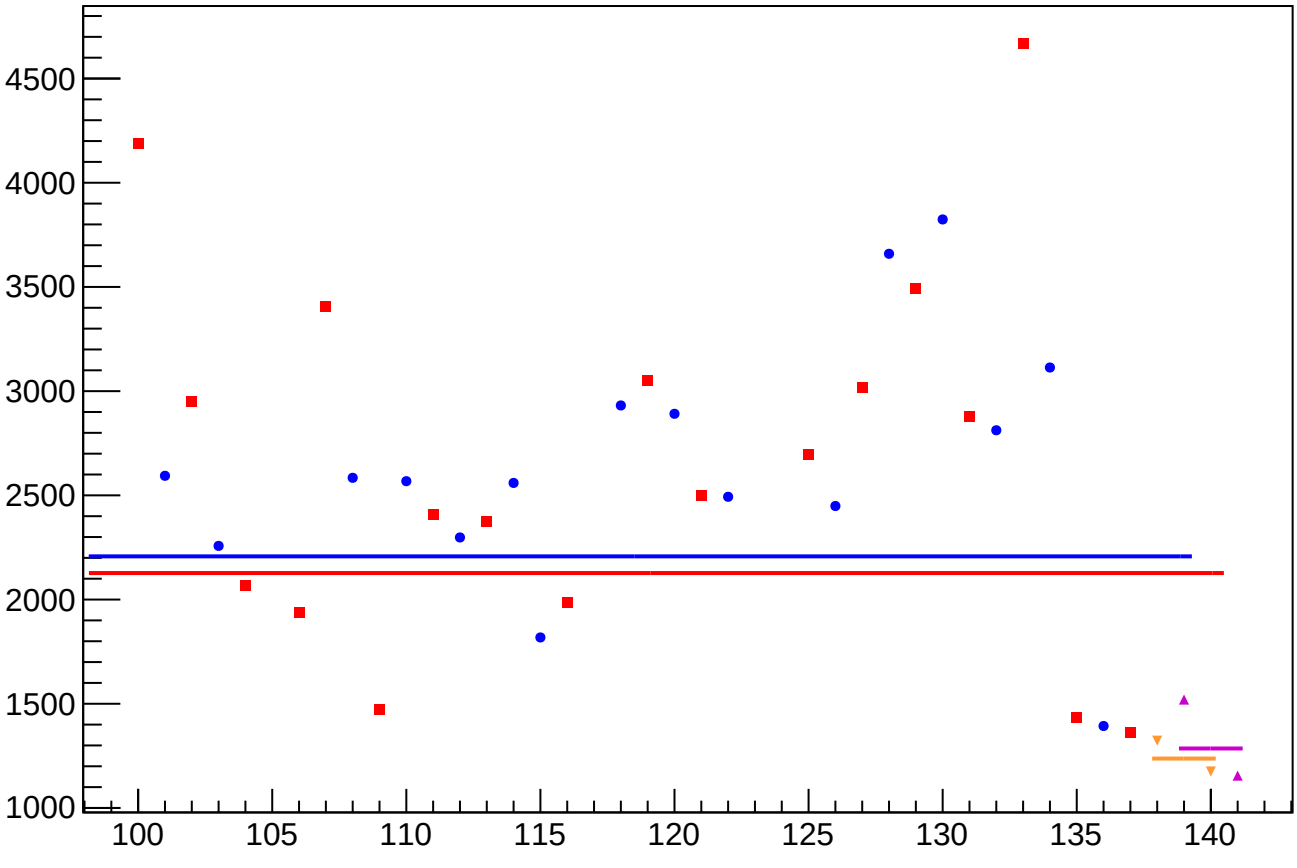
Left: 7.765+/-695.895 χ^2/NDF: 4.7/3

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -649.147+/-650.035 χ^2/NDF:28.0/17

Out: 523.956+/-637.746 χ^2/NDF:17.6/19

All: -51.402+/-455.237 χ^2/NDF: 47.2/37



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1237.011+/-0.692 χ^2/NDF:11097.2/1

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1285.400+/-0.699 χ^2/NDF:62476.7/1

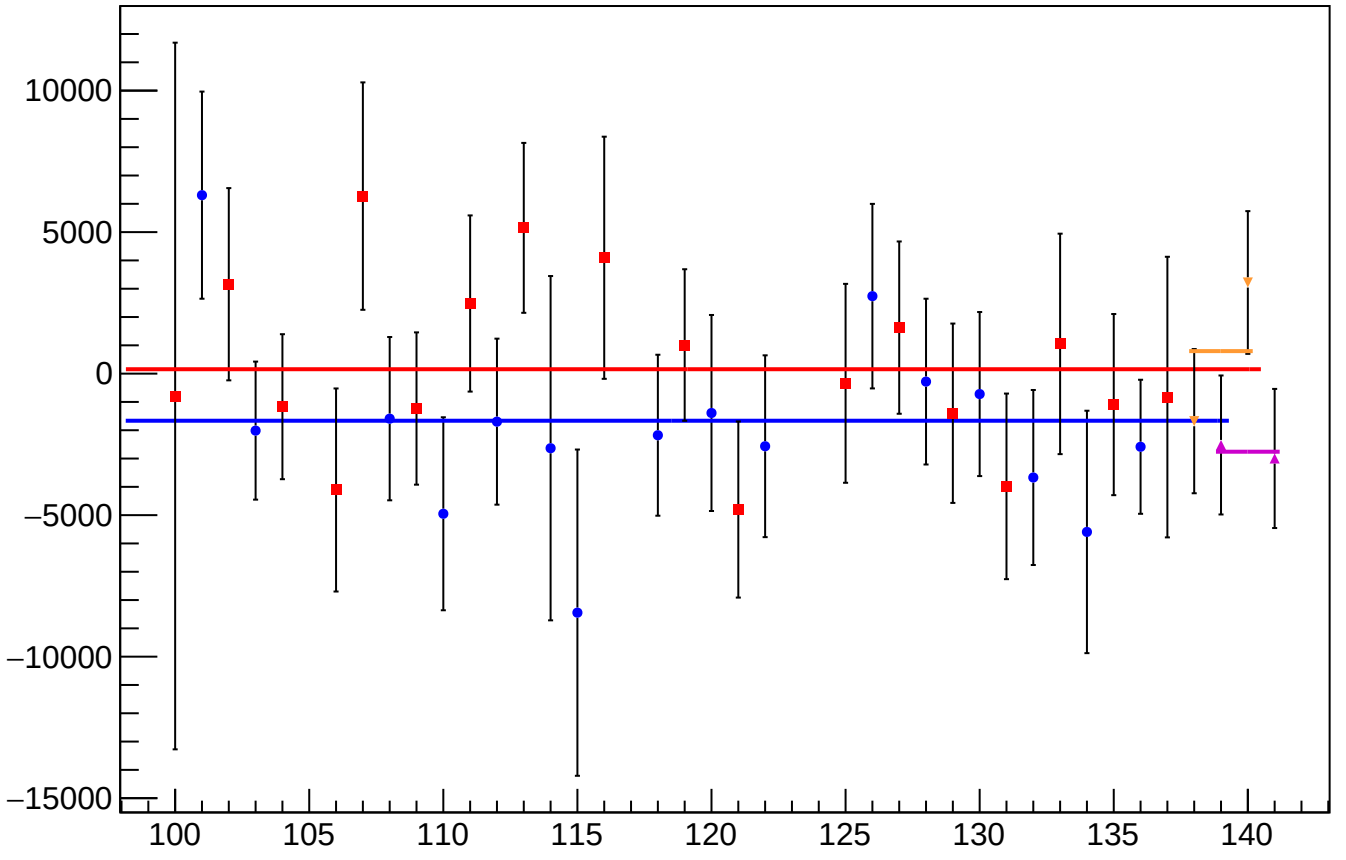
Left: 1260.962+/-0.492 χ^2/NDF: 75991.3/3

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1809.122+/-0.460 χ^2/NDF:2298669.0/17

Out: 1749.635+/-0.451 χ^2/NDF:2420960.2/19

All: 1778.811+/-0.322 χ^2/NDF: 4728163.6/37



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 795.820+/-1792.112 χ^2/NDF:1.9/1

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -2758.996+/-1737.050 χ^2/NDF:0.0/1

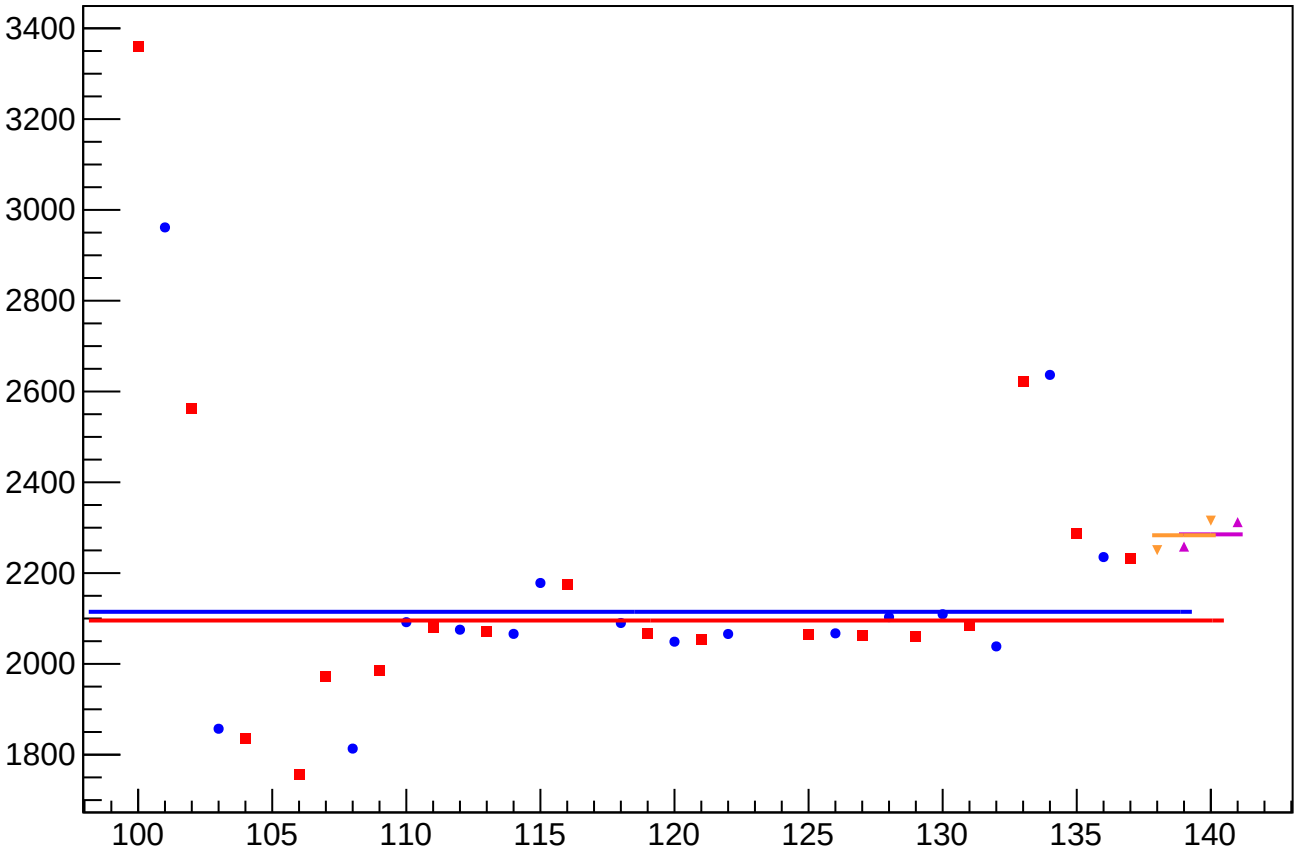
Left: -1037.037+/-1247.292 χ^2/NDF: 3.9/3

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1852.713+/-720.753 χ^2/NDF:11.1/17

Out: 258.917+/-719.413 χ^2/NDF:16.2/19

All: -794.933+/-509.175 χ^2/NDF: 31.6/37



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2283.352+/-1.267 χ^2/NDF:657.8/1

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2285.337+/-1.228 χ^2/NDF:481.5/1

Left: 2284.375+/-0.882 χ^2/NDF: 1140.5/3

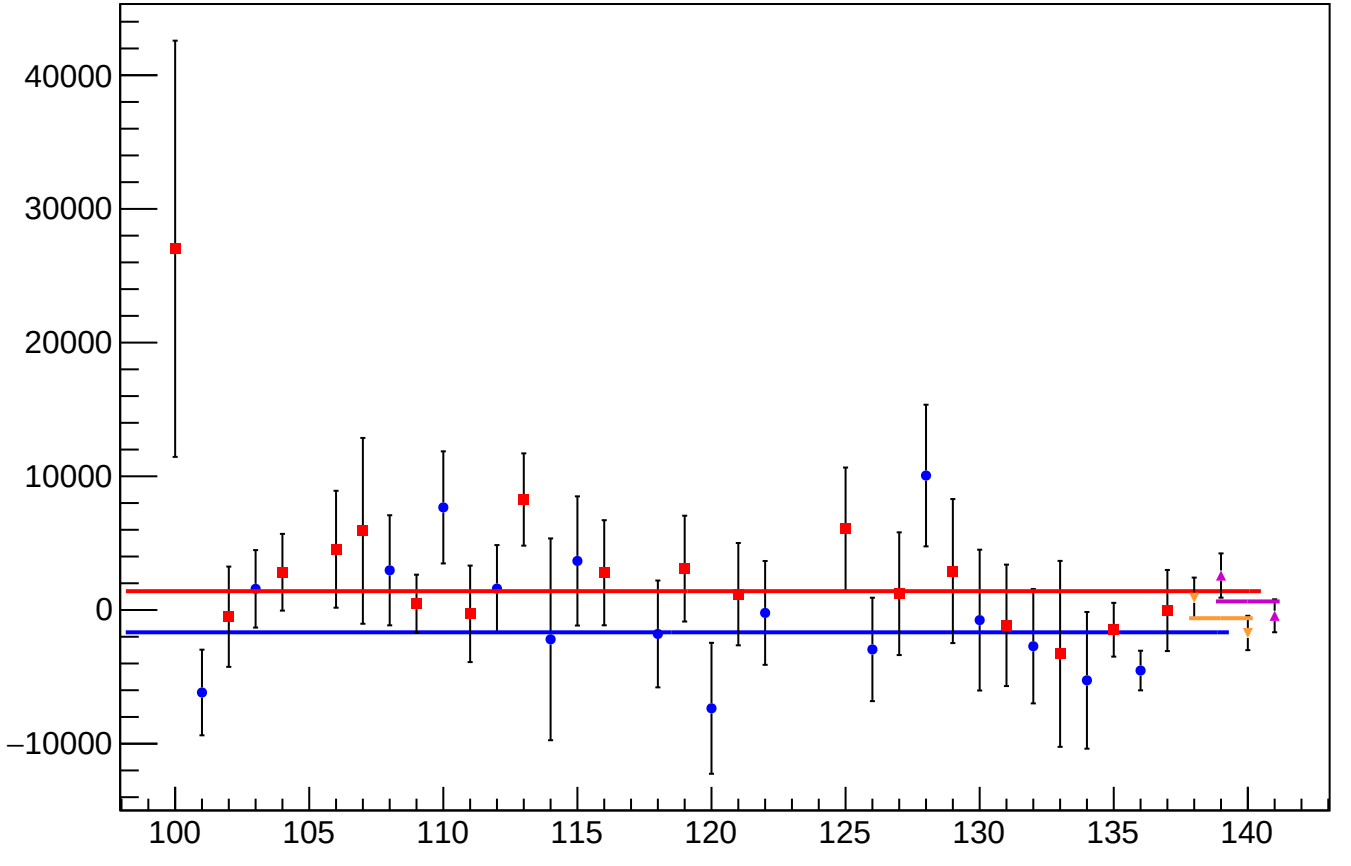
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2144.123+/-0.510 χ^2/NDF:206369.0/17

Out: 2125.853+/-0.509 χ^2/NDF:168433.1/19

All: 2134.971+/-0.360 χ^2/NDF: 375445.9/37

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -613.842+/-979.242 χ^2/NDF:1.8/1

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 641.880+/-989.112 χ^2/NDF:2.1/1

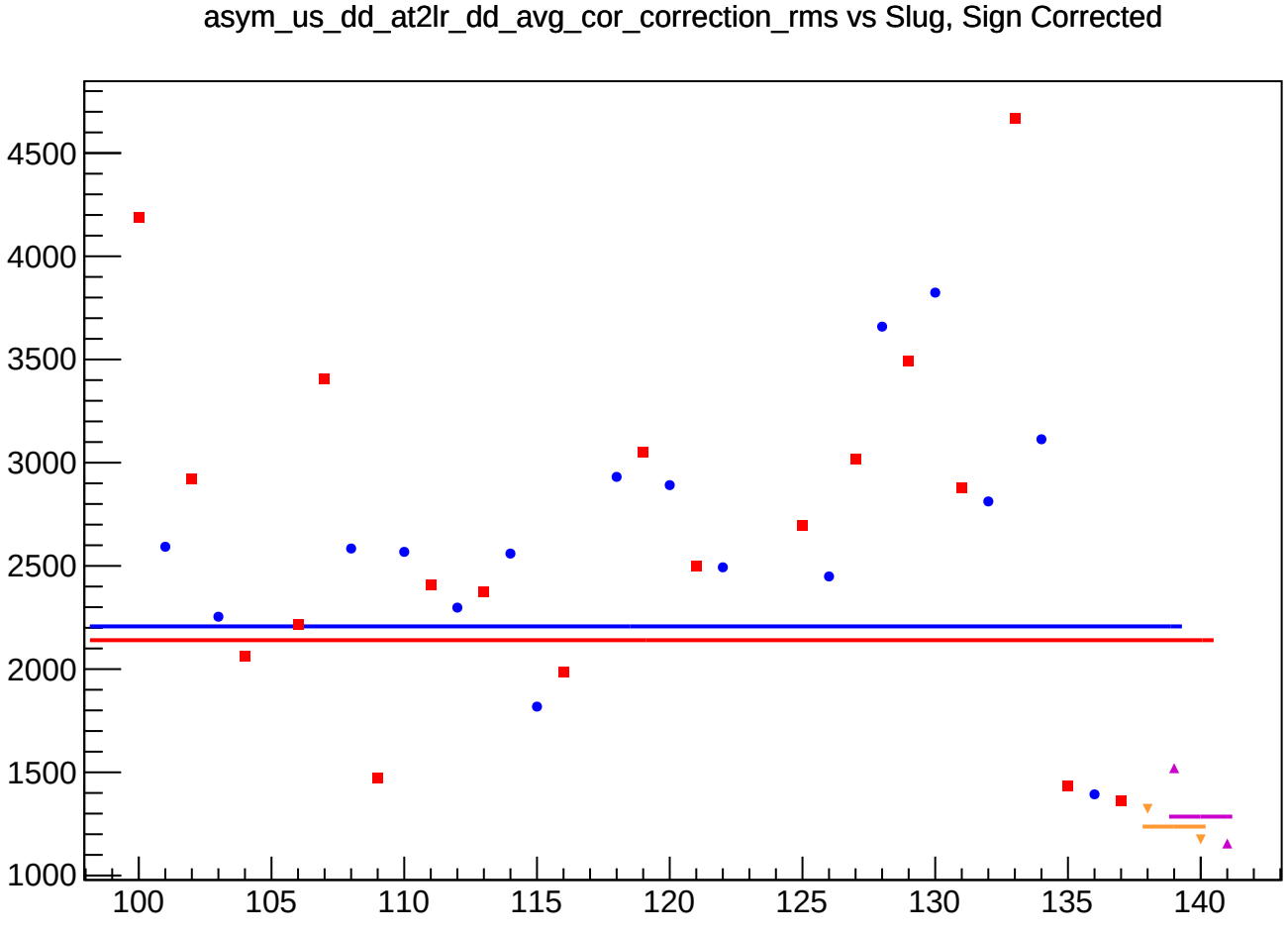
Left: 7.722+/-695.892 χ^2/NDF: 4.7/3

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -671.039+/-649.904 χ^2/NDF:27.7/17

Out: 542.626+/-640.641 χ^2/NDF:17.2/19

All: -55.495+/-456.241 χ^2/NDF: 46.7/37



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1237.026+/-0.692 χ^2/NDF:11091.6/1

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1285.373+/-0.699 χ^2/NDF:62491.4/1

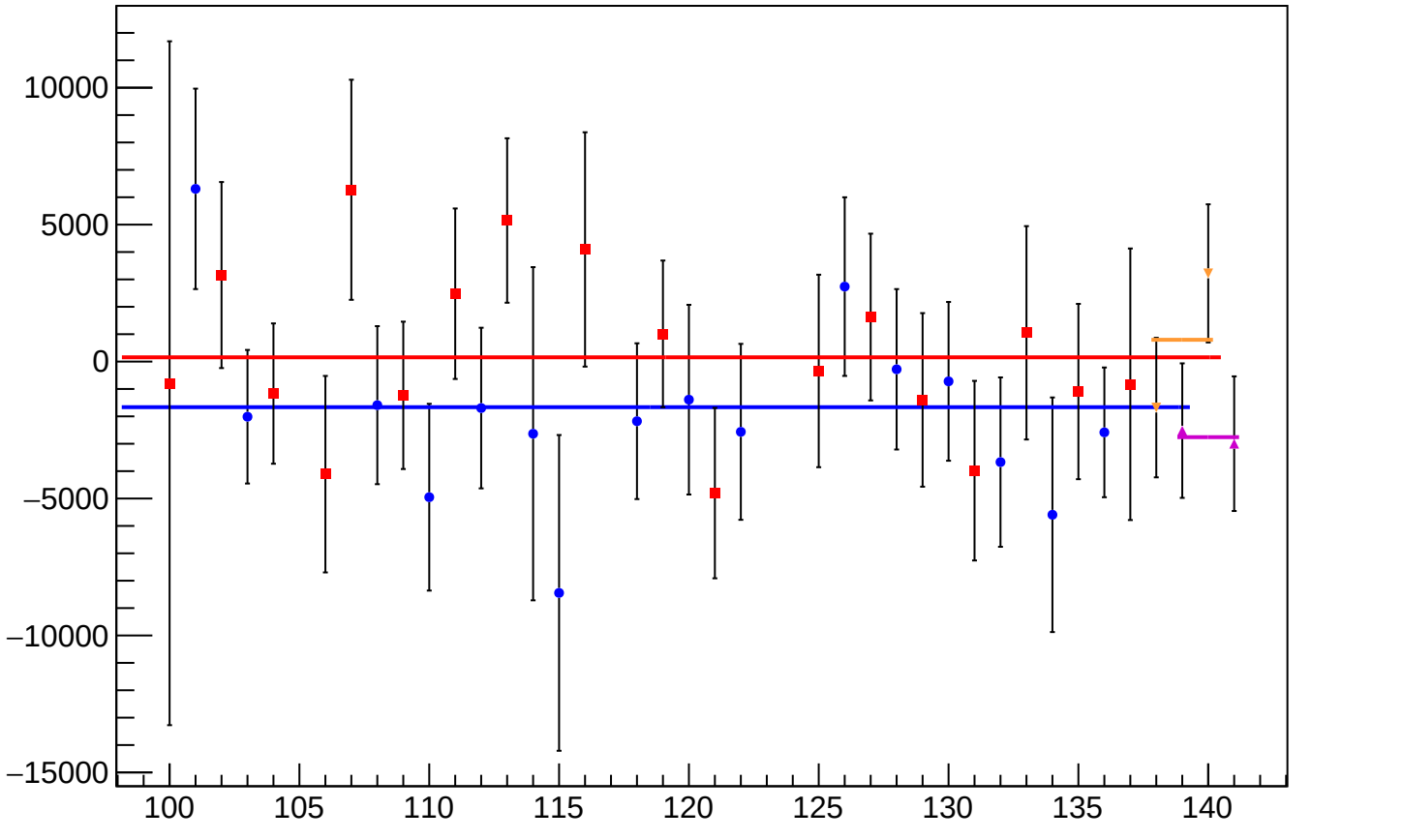
Left: 1260.957+/-0.492 χ^2/NDF: 75996.1/3

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1809.063+/-0.460 χ^2/NDF:2298090.1/17

Out: 1753.557+/-0.453 χ^2/NDF:2432318.3/19

All: 1780.911+/-0.323 χ^2/NDF: 4737807.4/37



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 795.820+/-1792.112 χ^2/NDF:1.9/1

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -2758.996+/-1737.050 χ^2/NDF:0.0/1

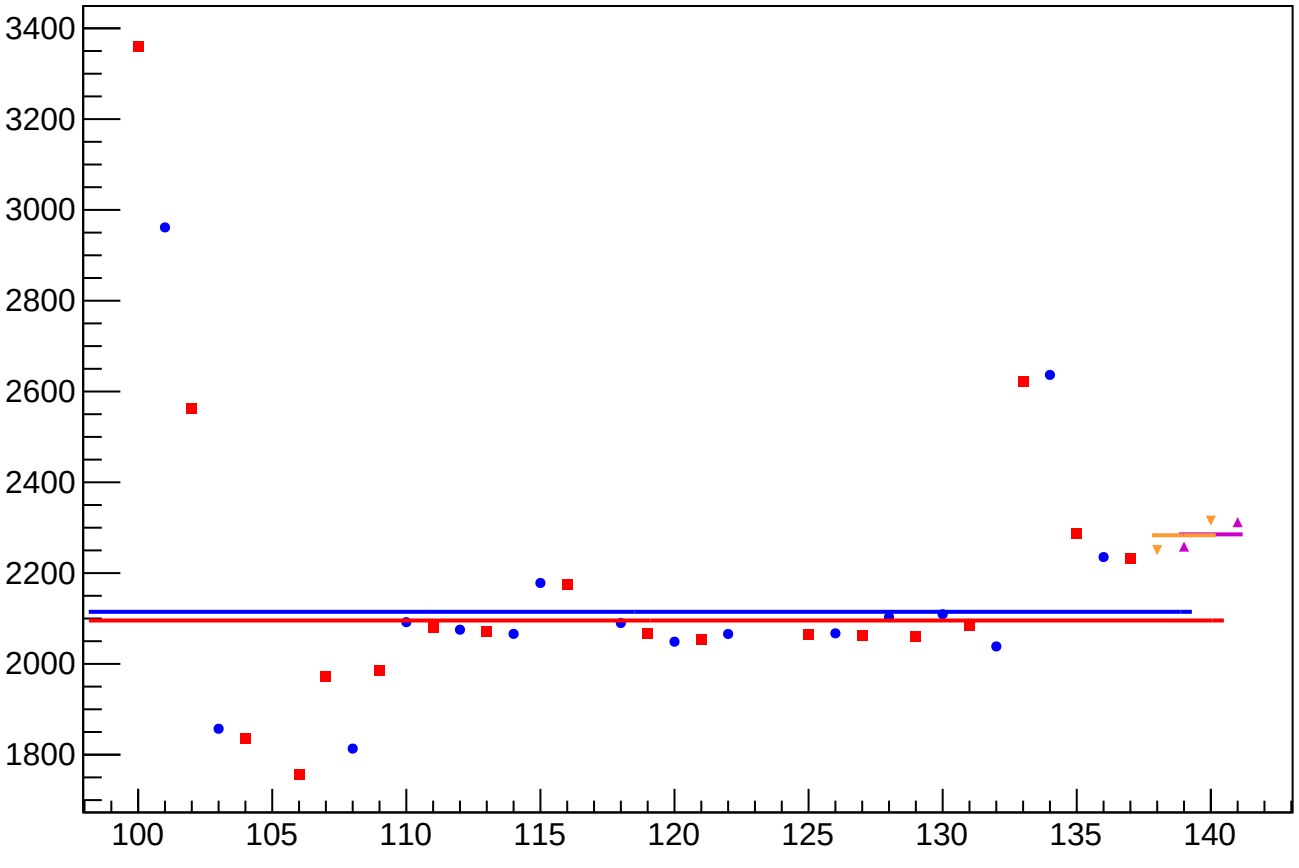
Left: -1037.037+/-1247.292 χ^2/NDF: 3.9/3

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1852.713+/-720.753 χ^2/NDF:11.1/17

Out: 258.917+/-719.413 χ^2/NDF:16.2/19

All: -794.933+/-509.175 χ^2/NDF: 31.6/37



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2283.352+/-1.267 χ^2/NDF:657.8/1

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2285.337+/-1.228 χ^2/NDF:481.5/1

Left: 2284.375+/-0.882 χ^2/NDF: 1140.5/3

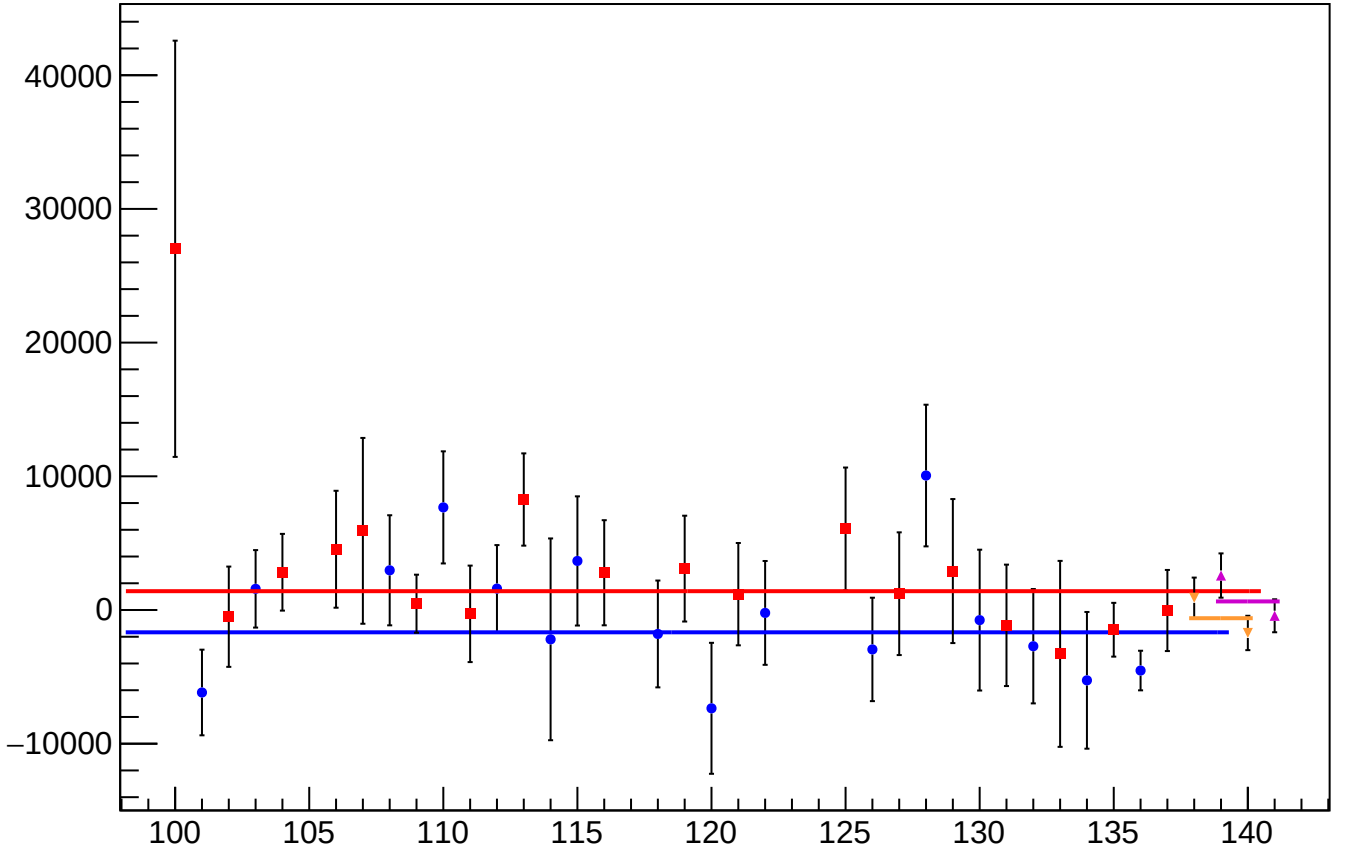
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2144.123+/-0.510 χ^2/NDF:206369.0/17

Out: 2125.853+/-0.509 χ^2/NDF:168433.1/19

All: 2134.971+/-0.360 χ^2/NDF: 375445.9/37

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -613.842+/-979.242 χ^2/NDF:1.8/1

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 641.880+/-989.112 χ^2/NDF:2.1/1

Left: 7.722+/-695.892 χ^2/NDF: 4.7/3

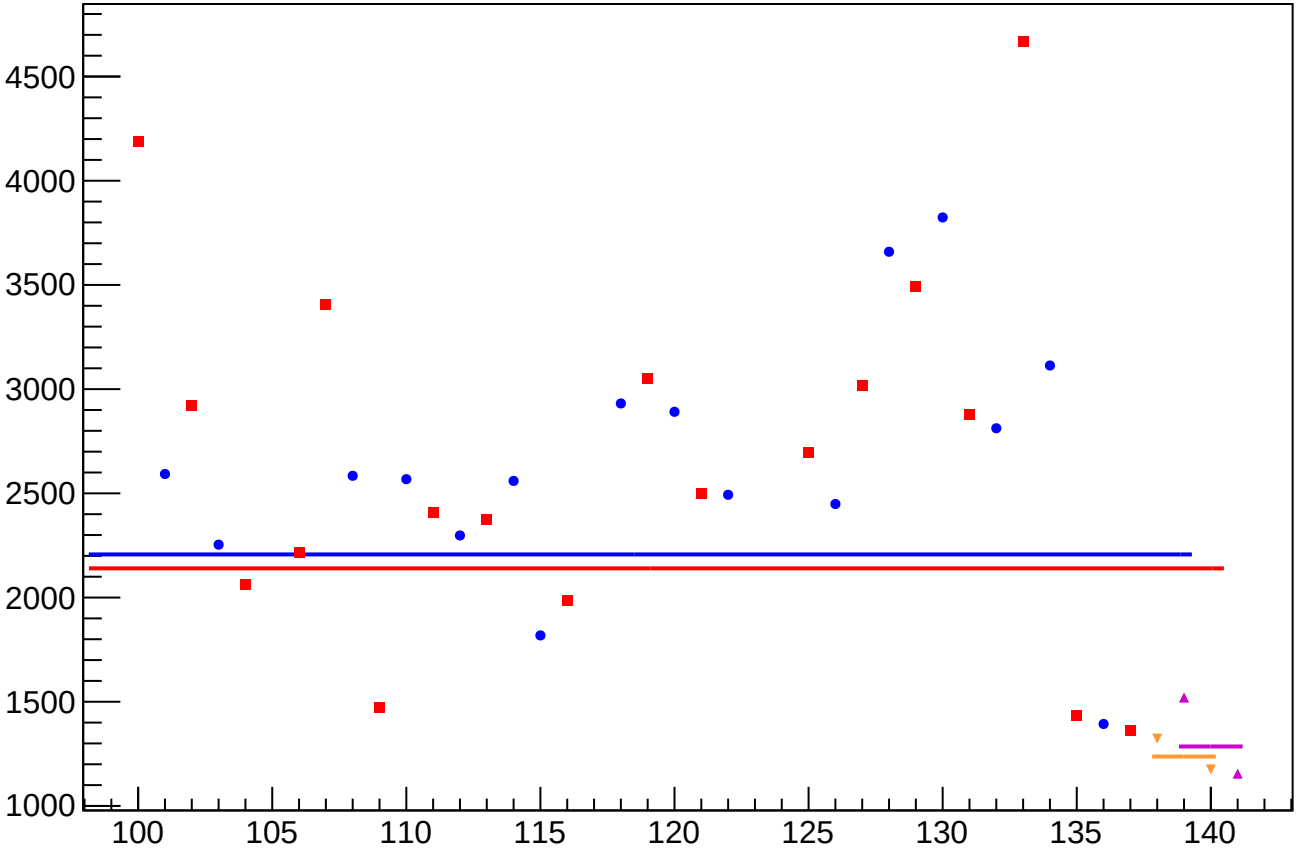
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -671.039+/-649.904 χ^2/NDF:27.7/17

Out: 542.626+/-640.641 χ^2/NDF:17.2/19

All: -55.495+/-456.241 χ^2/NDF: 46.7/37

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1237.026+/-0.692 χ^2/NDF:11091.6/1

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1285.373+/-0.699 χ^2/NDF:62491.4/1

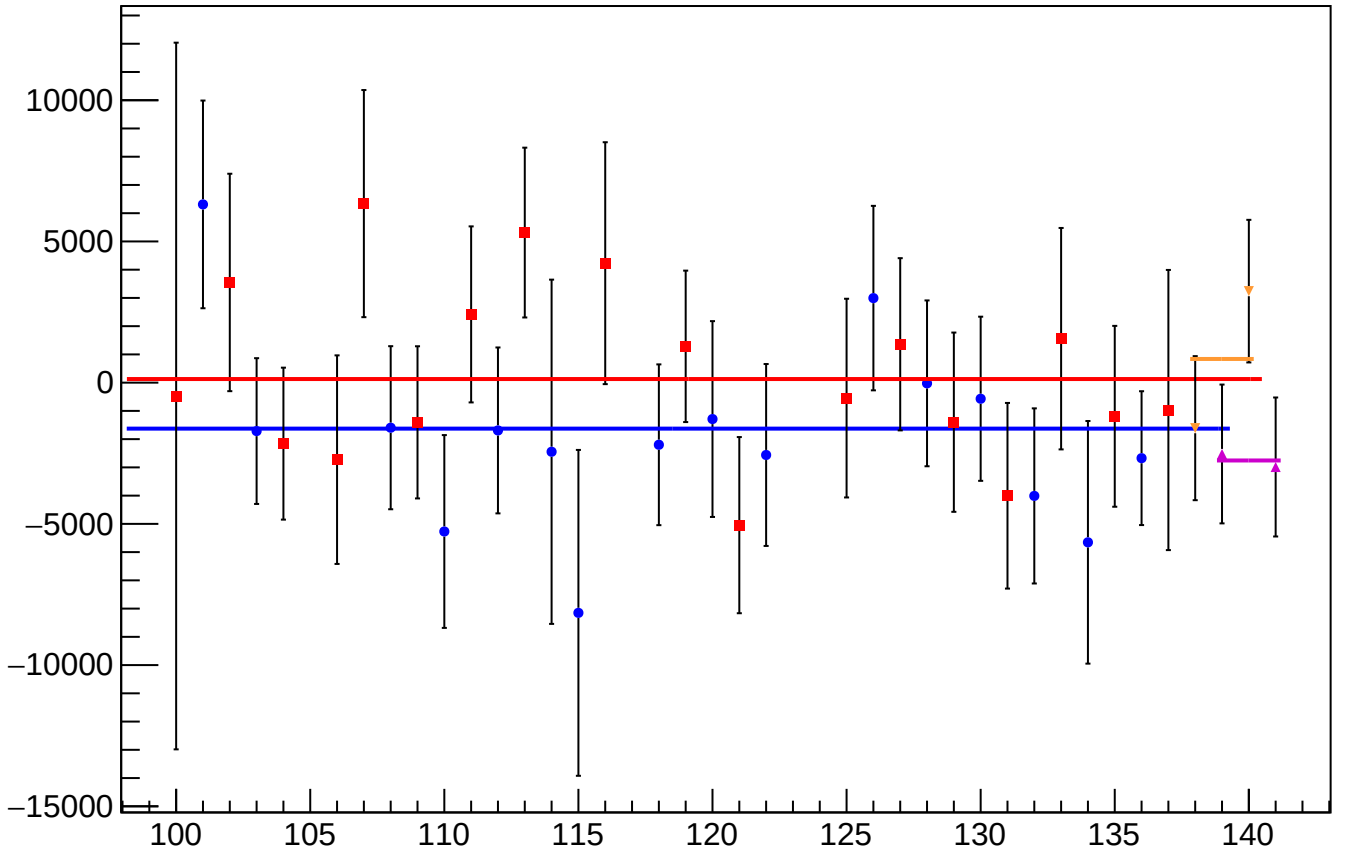
Left: 1260.957+/-0.492 χ^2/NDF: 75996.1/3

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1809.063+/-0.460 χ^2/NDF:2298090.1/17

Out: 1753.557+/-0.453 χ^2/NDF:2432318.3/19

All: 1780.911+/-0.323 χ^2/NDF: 4737807.4/37



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 838.952+/-1794.120 χ^2/NDF:1.8/1

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -2755.207+/-1738.804 χ^2/NDF:0.0/1

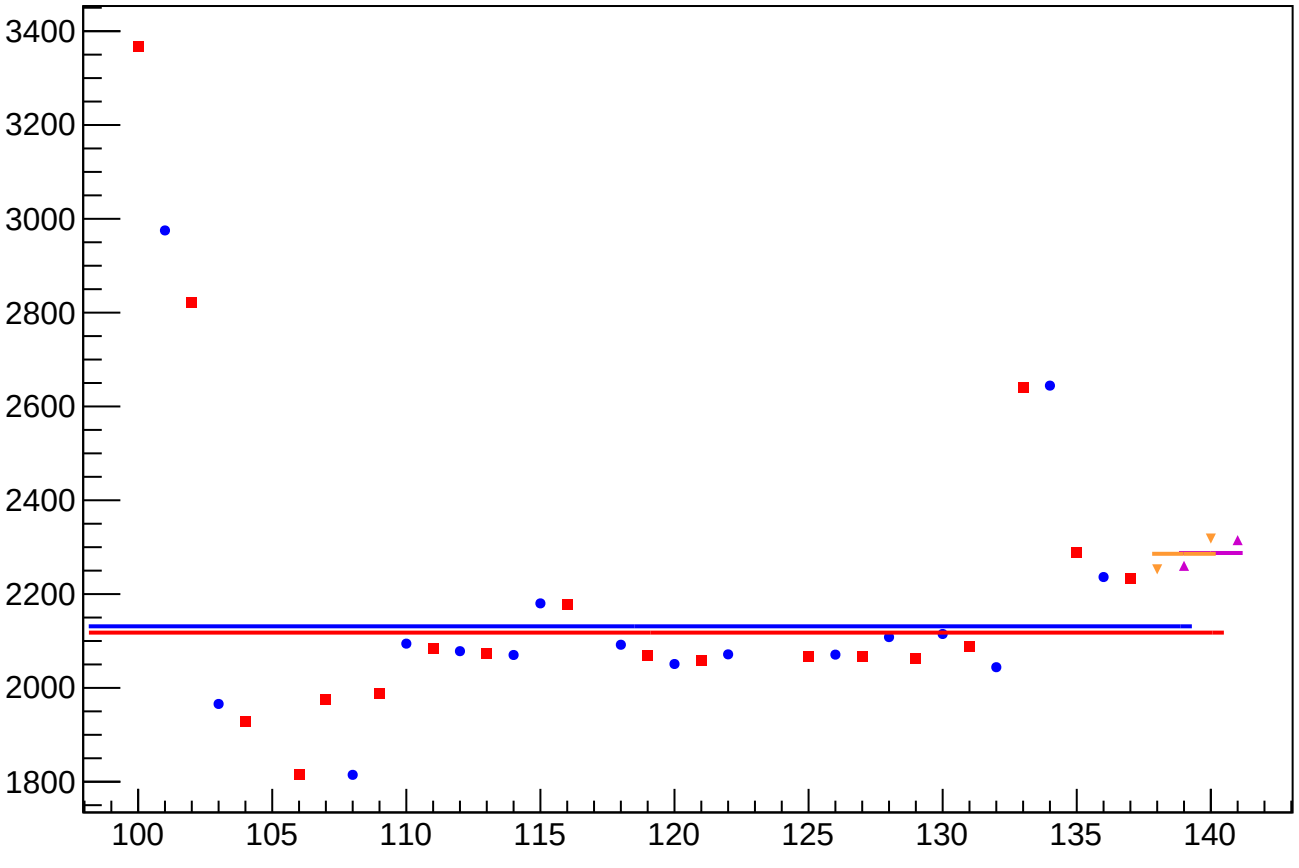
Left: -1014.388+/-1248.618 χ^2/NDF: 3.9/3

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1823.794+/-725.243 χ^2/NDF:11.7/17

Out: 244.988+/-727.526 χ^2/NDF:16.5/19

All: -792.654+/-513.629 χ^2/NDF: 32.3/37



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2285.907+/-1.269 χ^2/NDF:668.6/1

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2287.614+/-1.230 χ^2/NDF:496.5/1

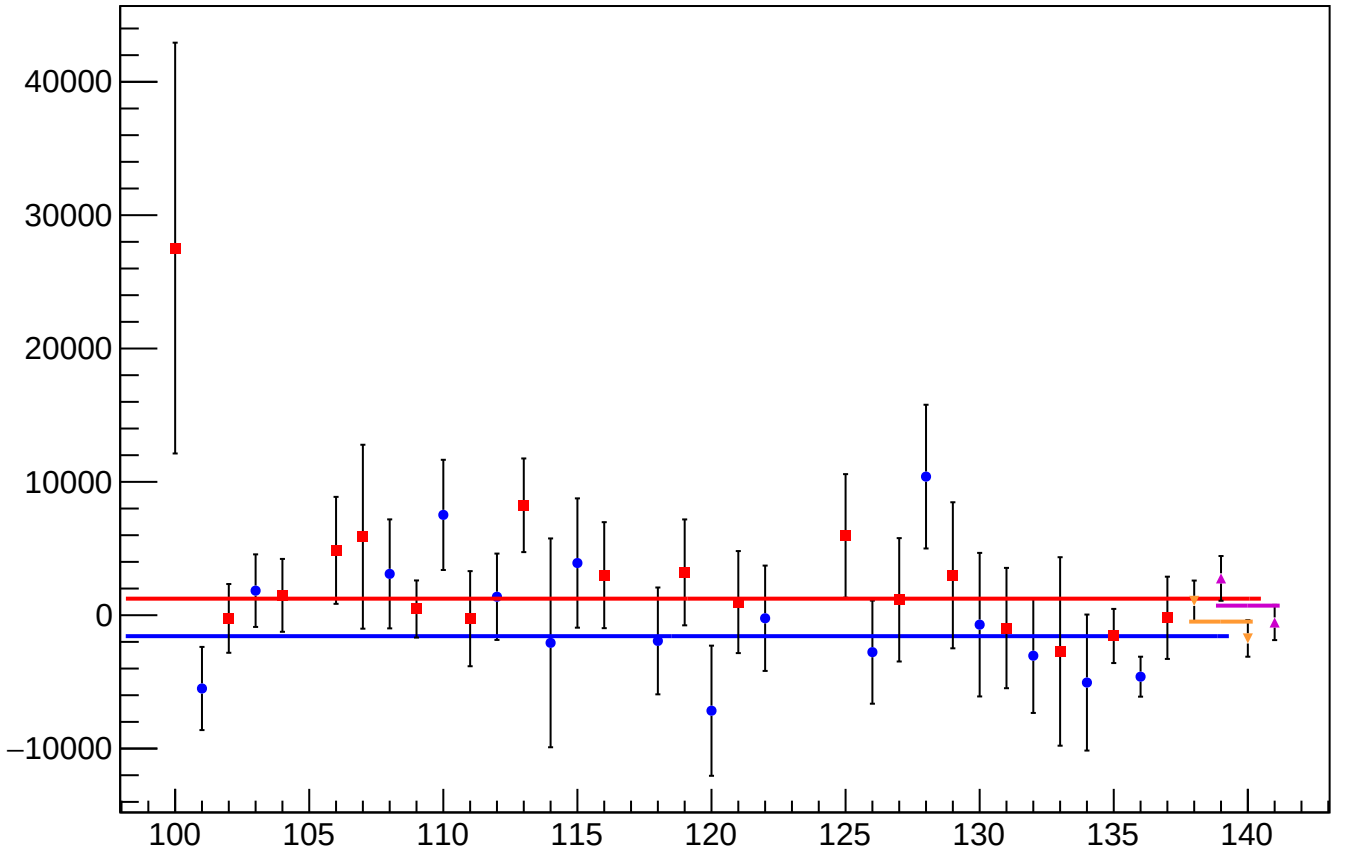
Left: 2286.787+/-0.883 χ^2/NDF: 1166.1/3

Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2158.492+/-0.513 χ^2/NDF:189791.4/17

Out: 2145.499+/-0.514 χ^2/NDF:178951.2/19

All: 2152.016+/-0.363 χ^2/NDF: 369062.6/37



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -479.892+/-1019.842 χ^2/NDF:1.9/1

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 718.593+/-1037.432 χ^2/NDF:2.4/1

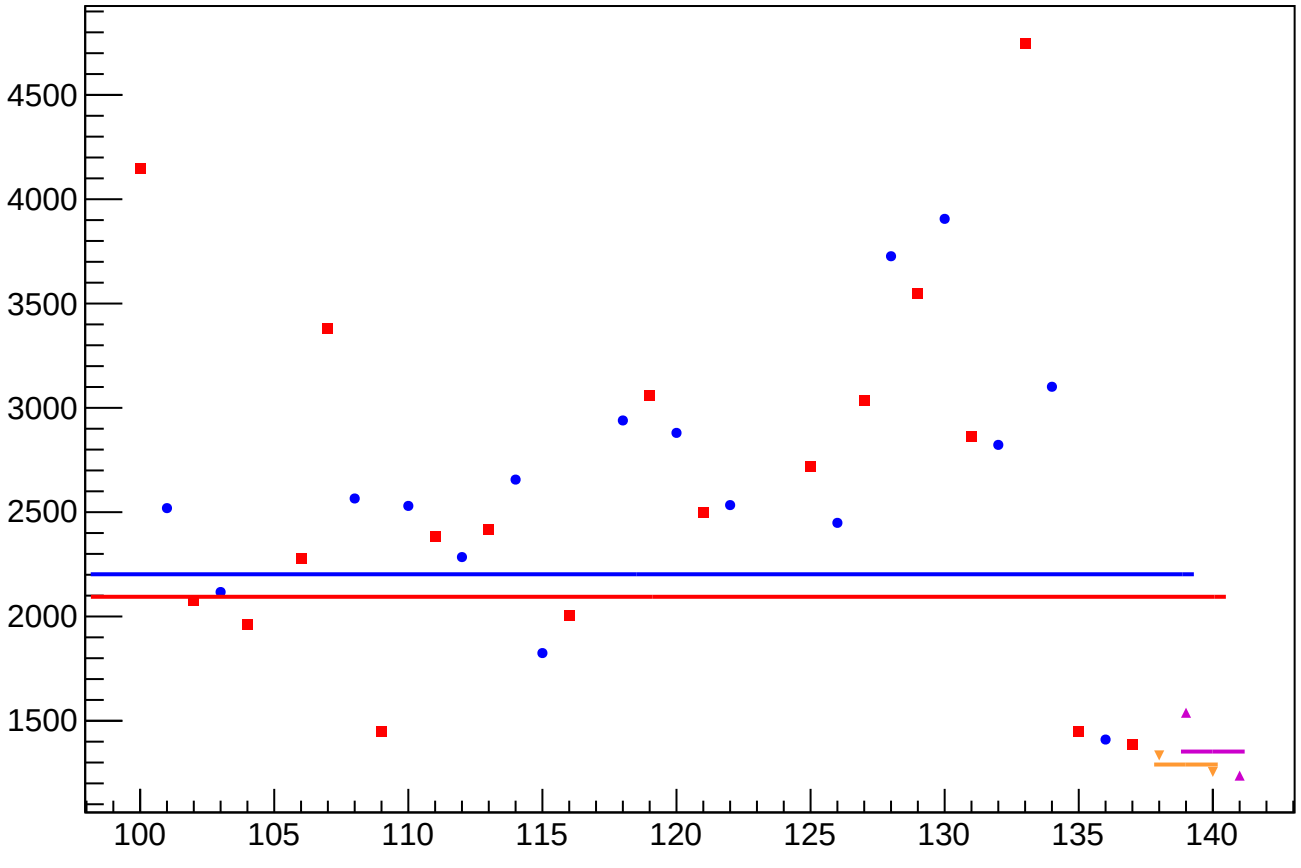
Left: 109.104+/-727.276 χ^2/NDF: 5.0/3

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -638.811+/-661.977 χ^2/NDF:27.9/17

Out: 565.526+/-638.943 χ^2/NDF:16.7/19

All: -15.325+/-459.728 χ^2/NDF: 46.3/37



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1290.395+/-0.721 χ^2/NDF:2968.6/1

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1352.550+/-0.734 χ^2/NDF:39851.9/1

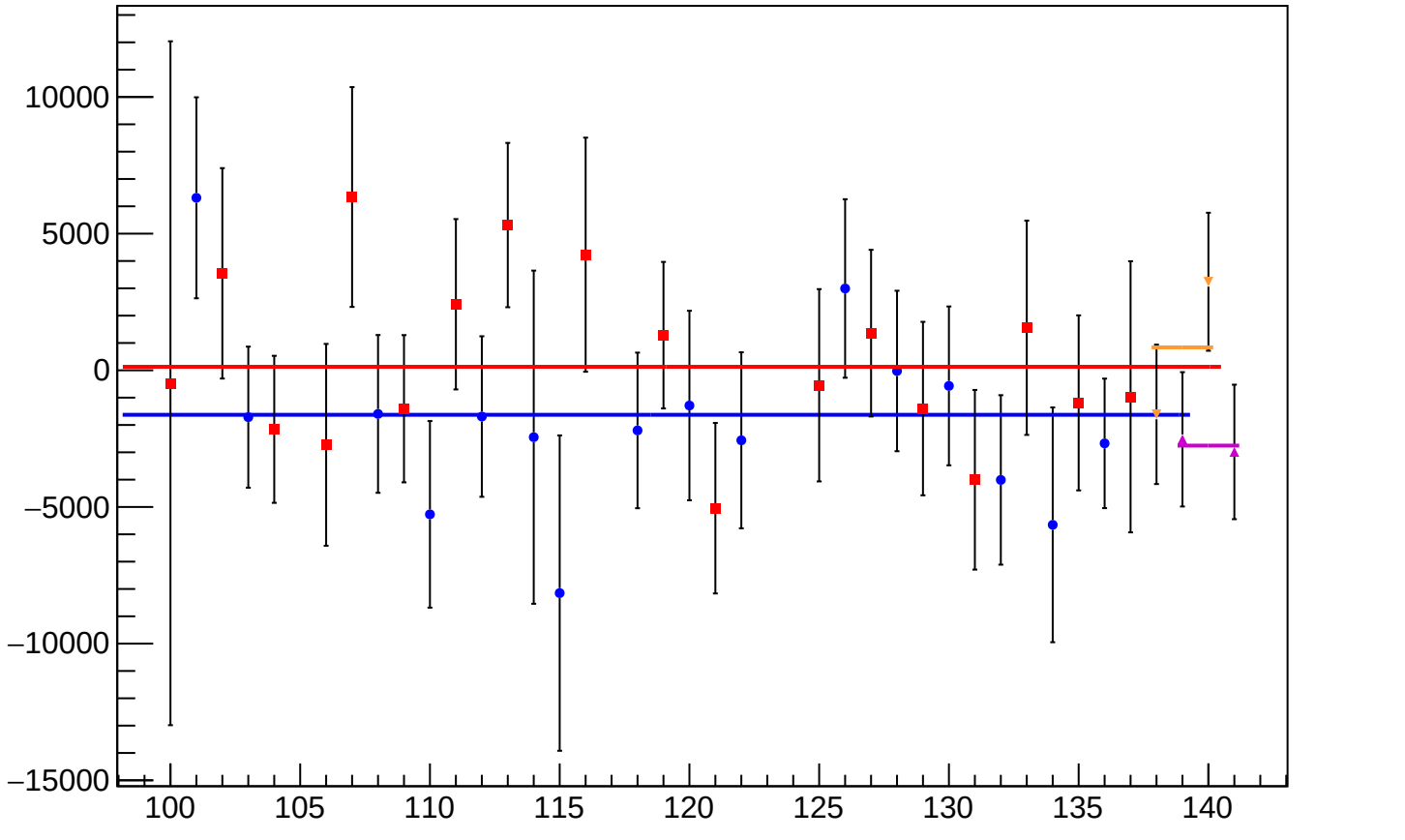
Left: 1320.941+/-0.514 χ^2/NDF: 46471.4/3

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1856.362+/-0.468 χ^2/NDF:2058445.5/17

Out: 1778.842+/-0.452 χ^2/NDF:2131850.5/19

All: 1816.230+/-0.325 χ^2/NDF: 4204494.8/37



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 838.969+/-1794.120 χ^2/NDF:1.8/1

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -2755.184+/-1738.805 χ^2/NDF:0.0/1

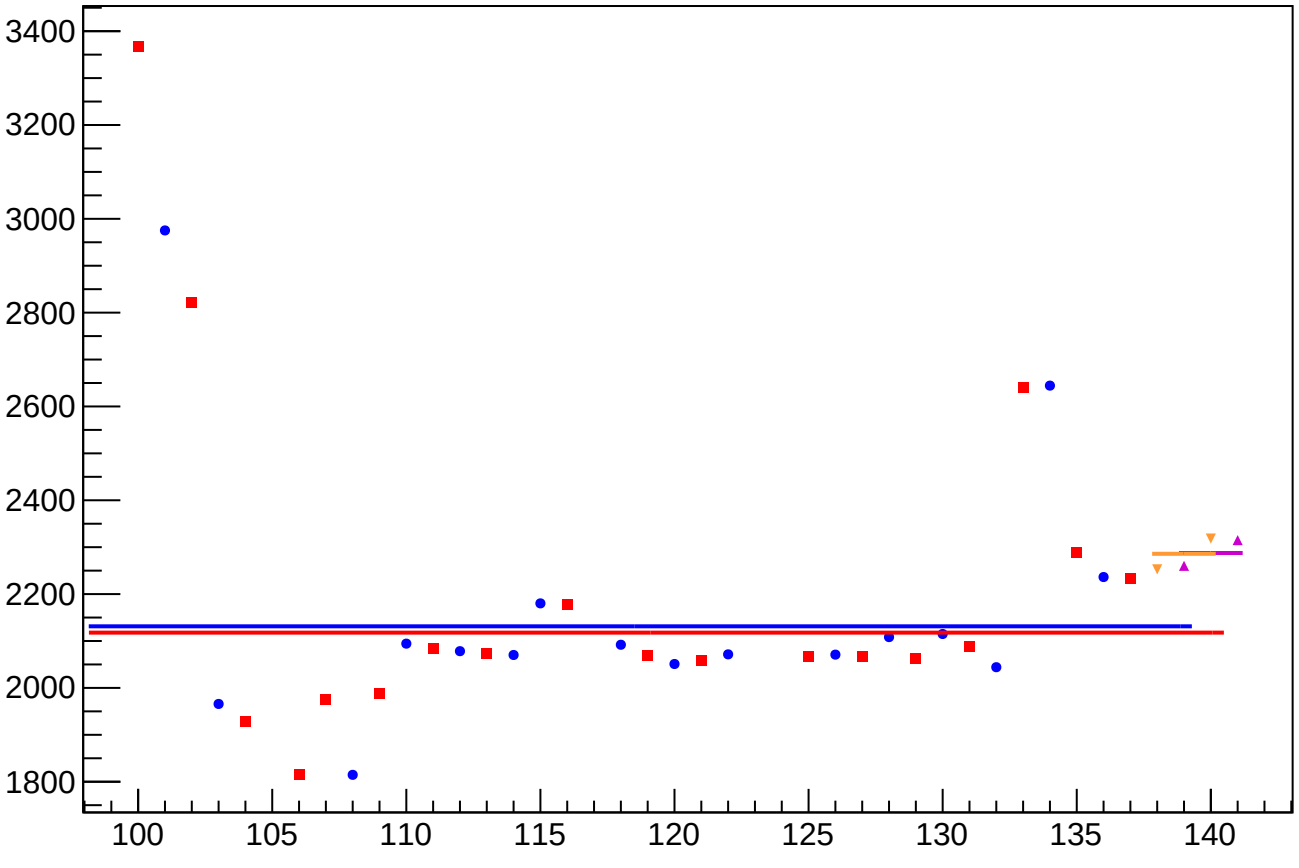
Left: -1014.368+/-1248.618 χ^2/NDF: 3.9/3

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -1823.792+/-725.243 χ^2/NDF:11.7/17

Out: 244.986+/-727.525 χ^2/NDF:16.5/19

All: -792.654+/-513.629 χ^2/NDF: 32.3/37



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2285.907+/-1.269 χ^2/NDF:668.6/1

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2287.614+/-1.230 χ^2/NDF:496.5/1

Left: 2286.787+/-0.883 χ^2/NDF: 1166.1/3

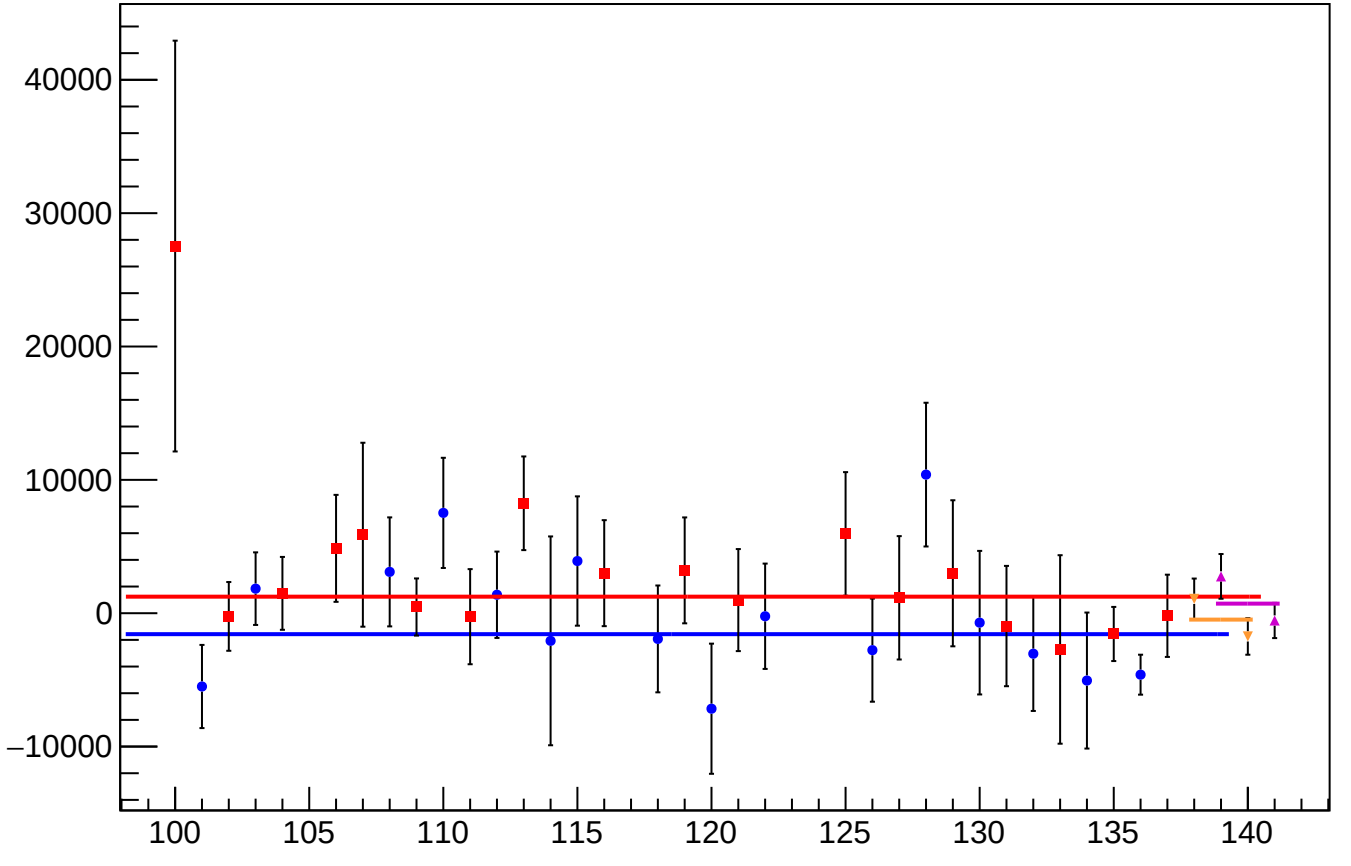
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2158.492+/-0.513 χ^2/NDF:189791.4/17

Out: 2145.499+/-0.514 χ^2/NDF:178951.1/19

All: 2152.016+/-0.363 χ^2/NDF: 369062.5/37

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -479.903+/-1019.854 χ^2/NDF:1.9/1

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 718.585+/-1037.442 χ^2/NDF:2.4/1

Left: 109.095+/-727.284 χ^2/NDF: 5.0/3

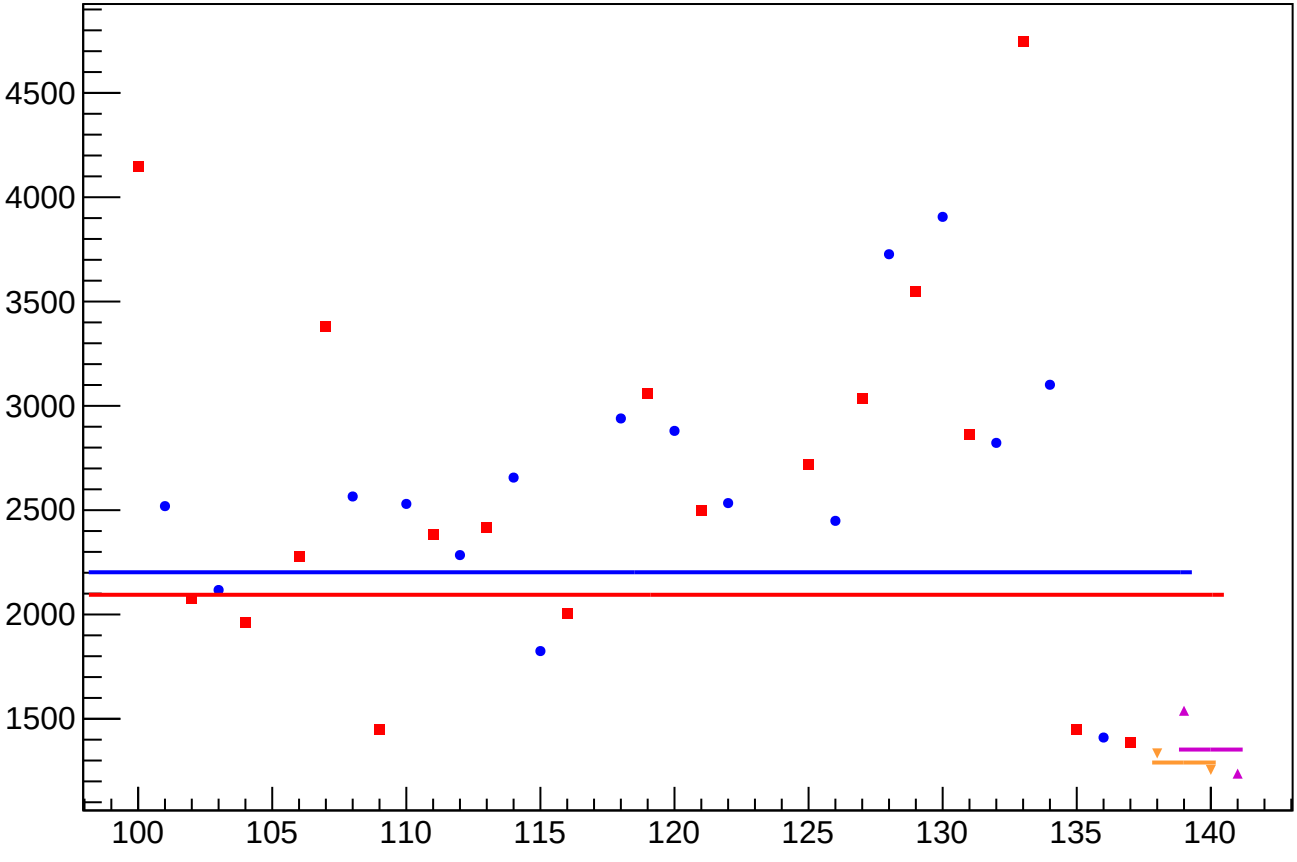
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -638.813+/-661.980 χ^2/NDF:27.9/17

Out: 565.537+/-638.947 χ^2/NDF:16.7/19

All: -15.321+/-459.731 χ^2/NDF: 46.3/37

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1290.410+/-0.721 χ^2/NDF:2970.4/1

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1352.562+/-0.734 χ^2/NDF:39857.5/1

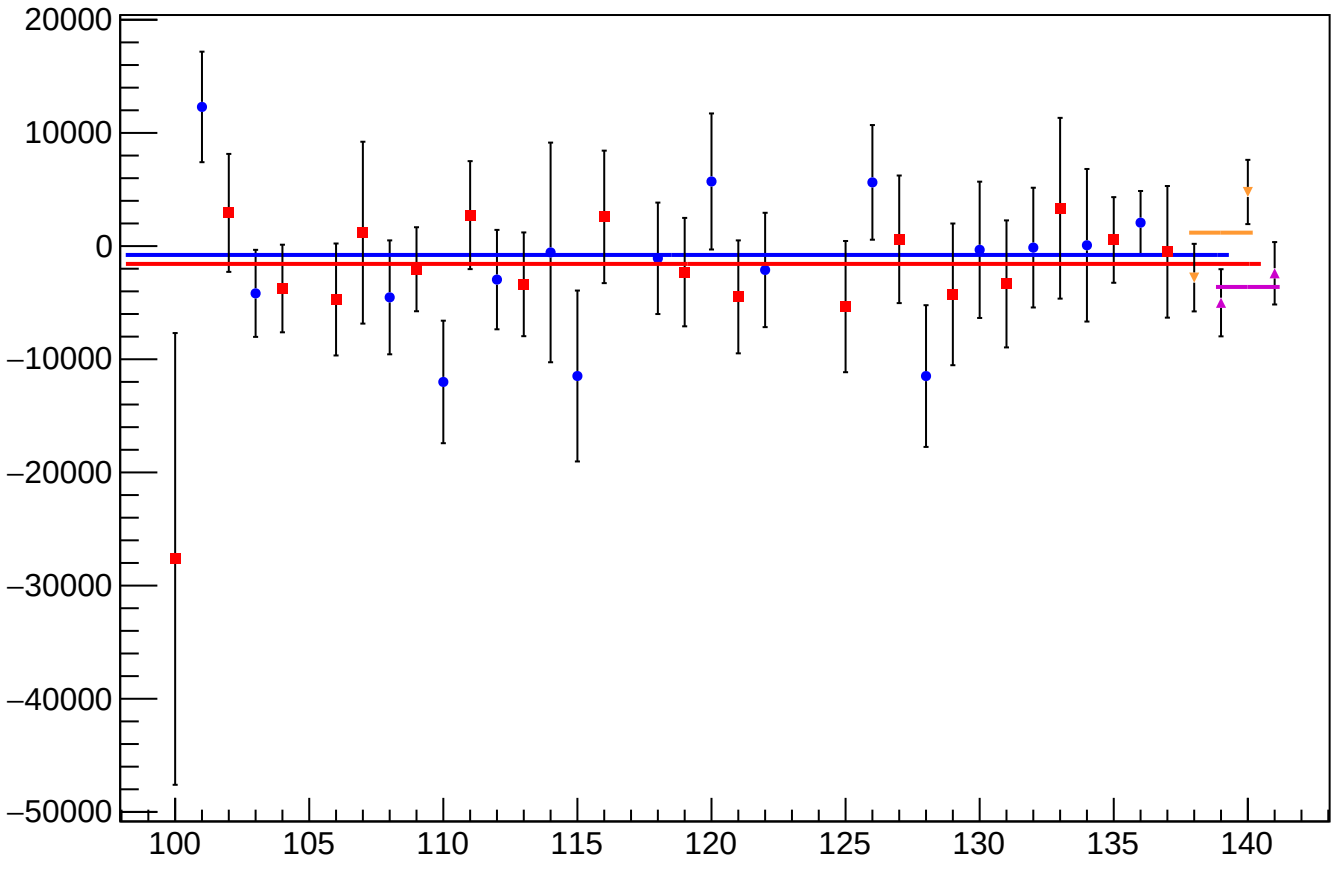
Left: 1320.955+/-0.514 χ^2/NDF: 46478.3/3

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1856.376+/-0.468 χ^2/NDF:2058380.8/17

Out: 1778.858+/-0.452 χ^2/NDF:2131786.0/19

All: 1816.245+/-0.325 χ^2/NDF: 4204364.8/37



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1187.542+/-2057.026 χ^2/NDF:3.4/1

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -3610.260+/-2020.089 χ^2/NDF:0.4/1

Left: -1254.821+/-1441.301 χ^2/NDF: 6.6/3

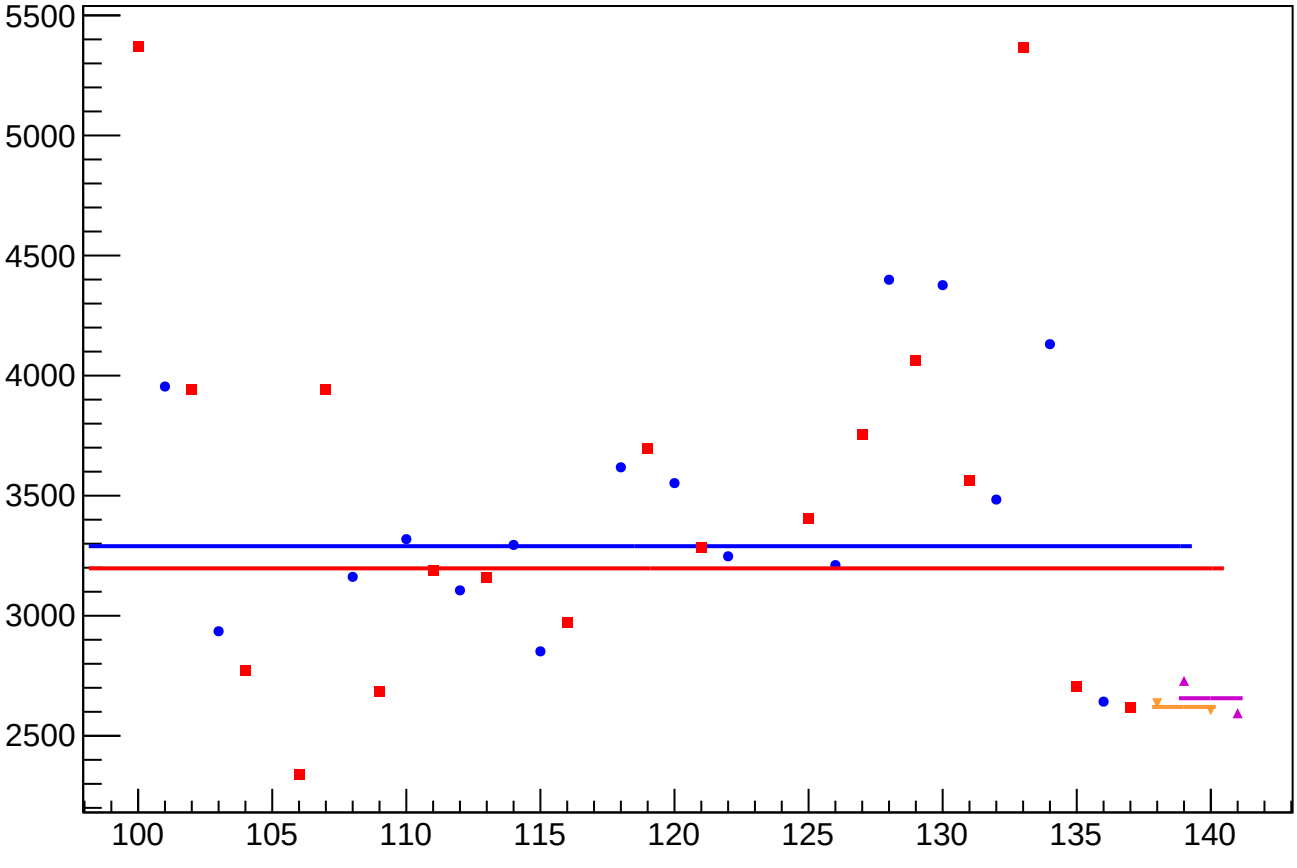
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1557.297+/-1057.846 χ^2/NDF:23.7/17

Out: -856.793+/-1048.666 χ^2/NDF:11.4/19

All: -1203.992+/-744.743 χ^2/NDF: 35.4/37

asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2620.268+/-1.455 χ^2/NDF:100.9/1

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2656.549+/-1.428 χ^2/NDF:2214.0/1

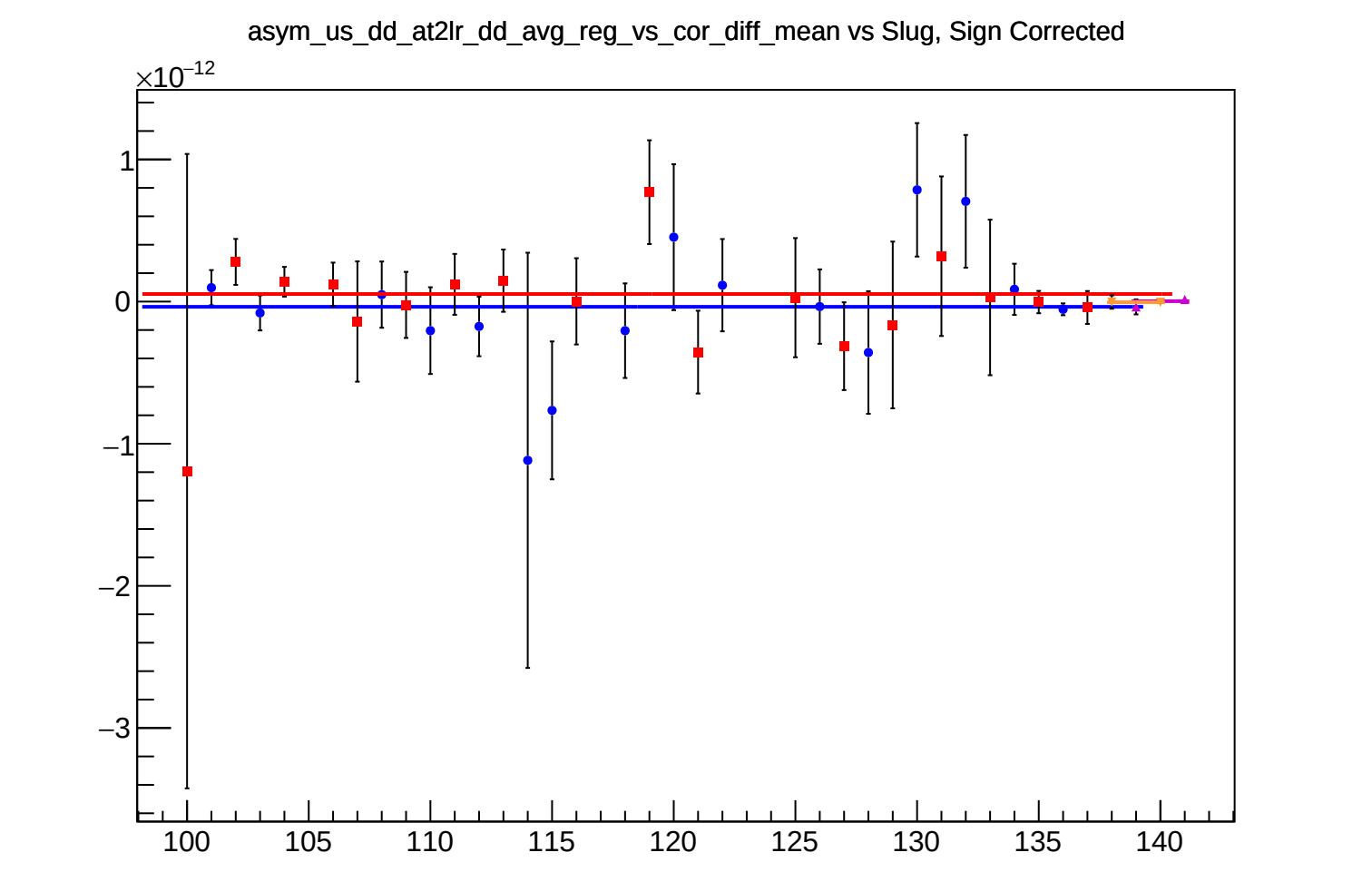
Left: 2638.737+/-1.019 χ^2/NDF: 2631.6/3

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 3116.068+/-0.748 χ^2/NDF:492399.4/17

Out: 3047.393+/-0.742 χ^2/NDF:616544.4/19

All: 3081.431+/-0.527 χ^2/NDF: 1113195.2/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

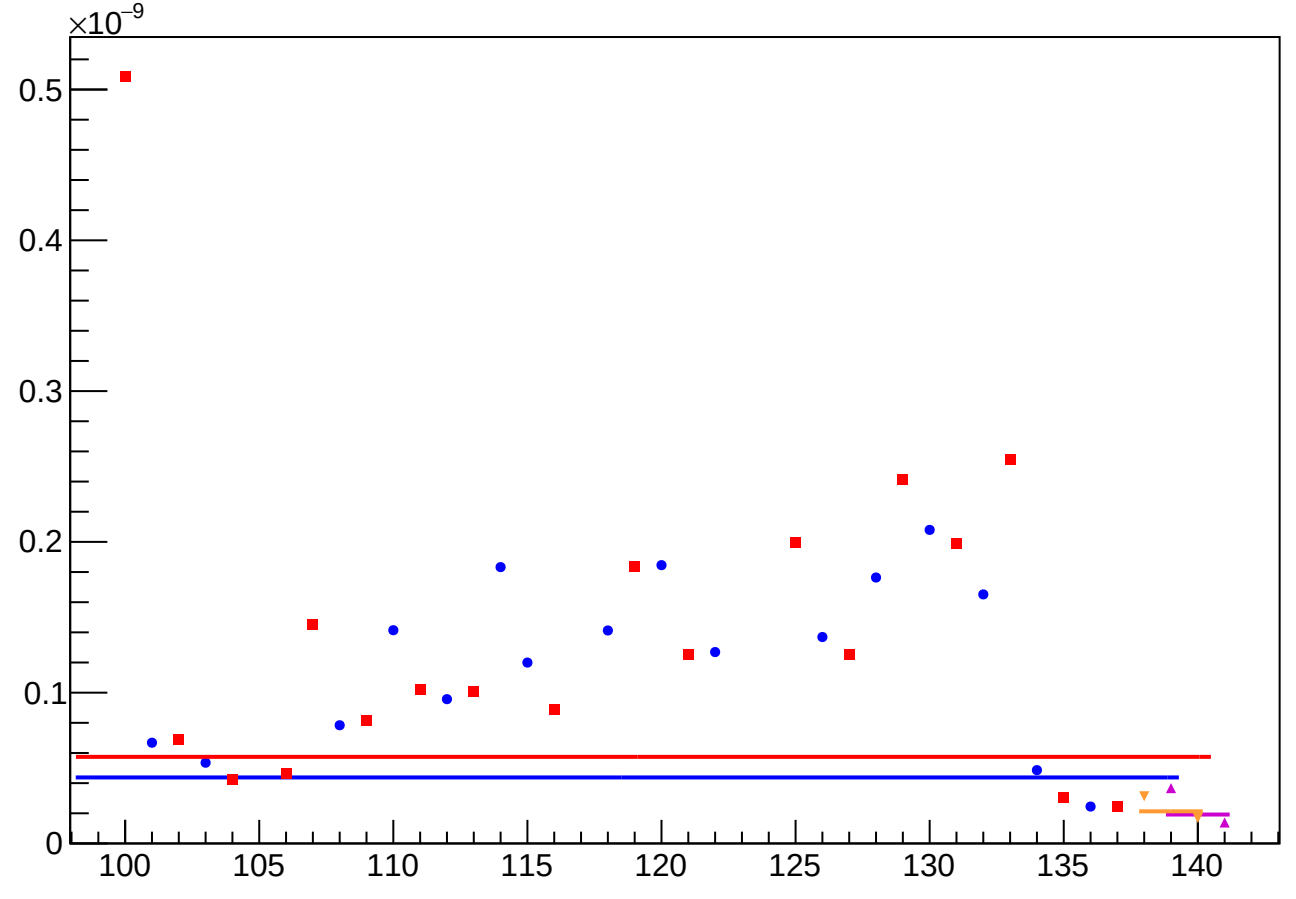
Left: -0.000+/-0.000 χ^2/NDF: 0.8/3

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:14.8/17

Out: 0.000+/-0.000 χ^2/NDF:13.9/19

All: -0.000+/-0.000 χ^2/NDF: 29.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:131118.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:284228.9/1

Left: 0.000+/-0.000 χ^2/NDF: 422193.7/3

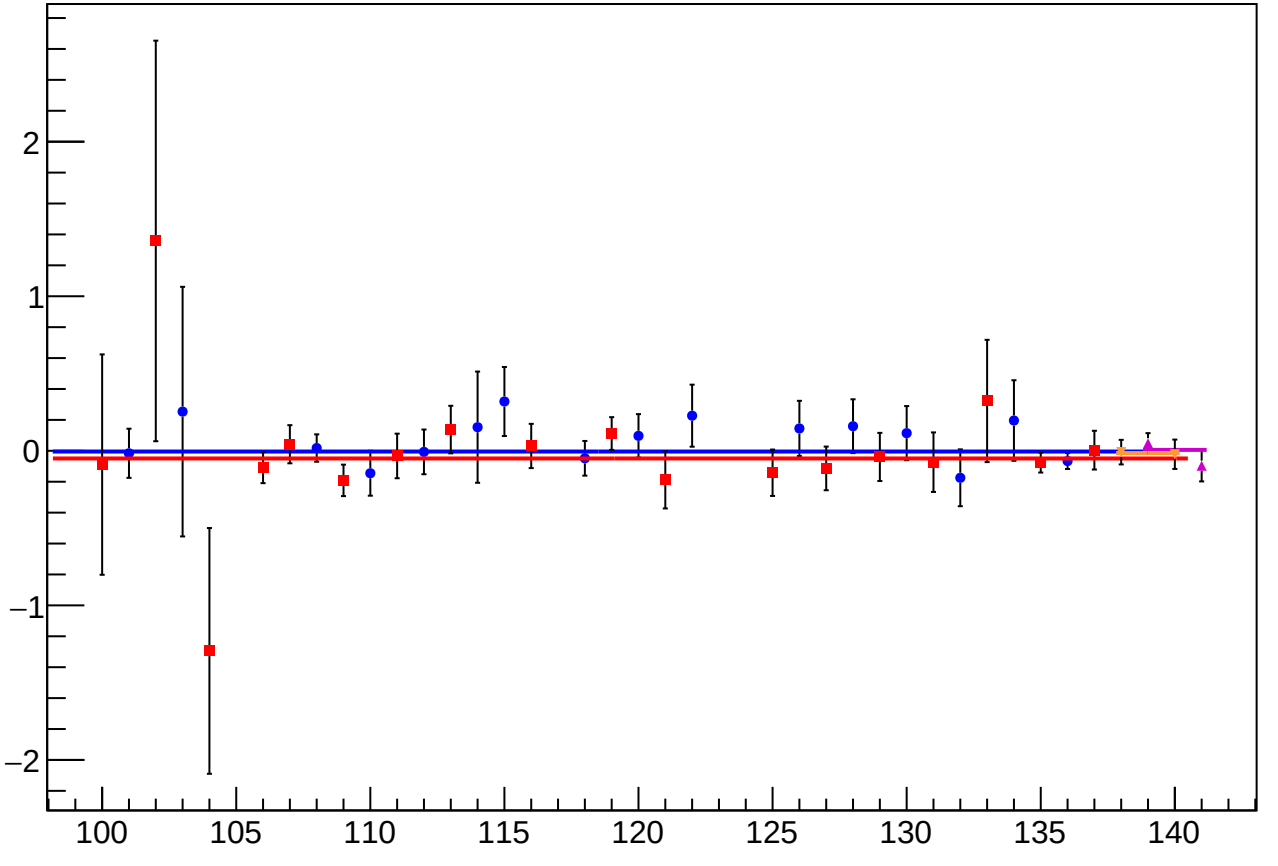
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:3173236.8/17

Out: 0.000+/-0.000 χ^2/NDF:3238487.0/19

All: 0.000+/-0.000 χ^2/NDF: 6430974.3/37

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.014+/-0.061 χ^2/NDF:0.0/1

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.055 χ^2/NDF:1.4/1

Left: -0.003+/-0.041 χ^2/NDF: 1.5/3

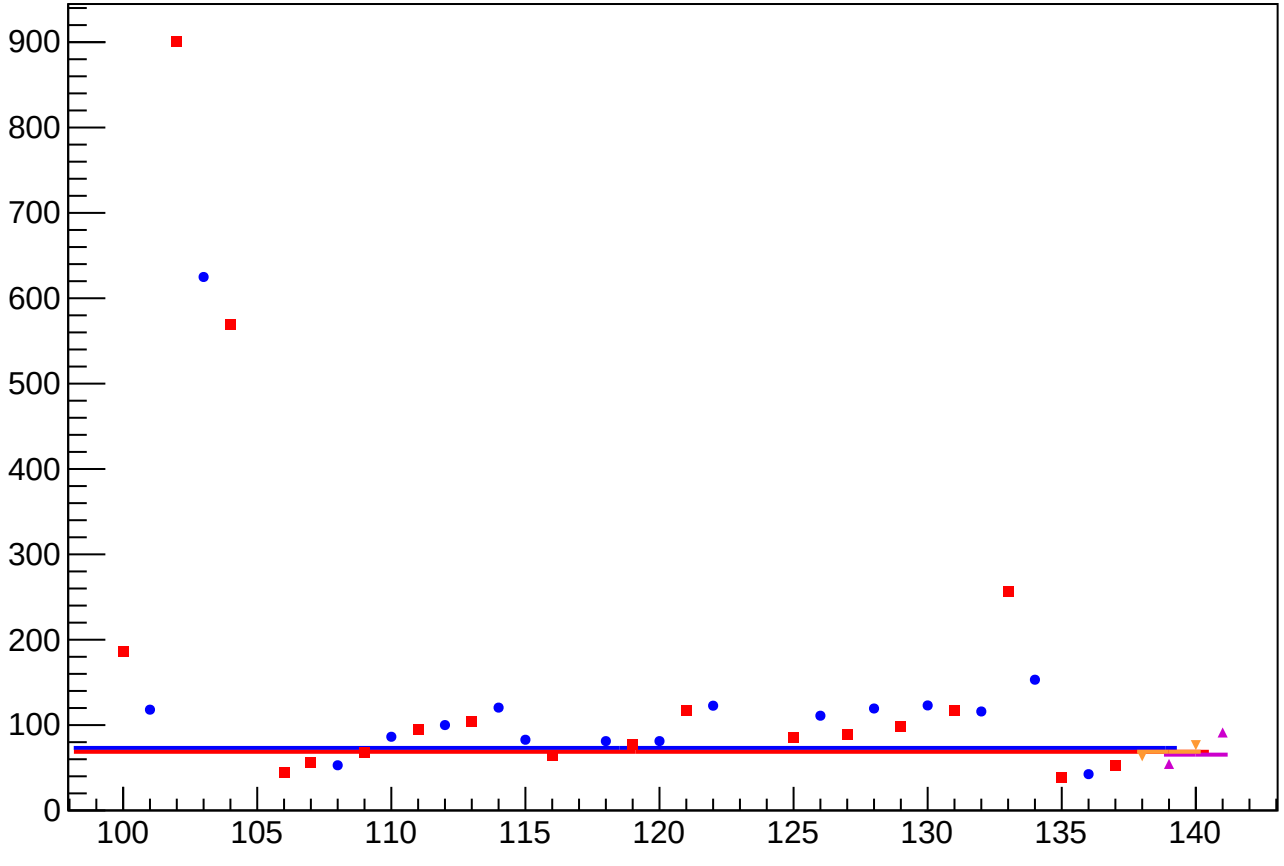
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.002+/-0.028 χ^2/NDF:11.8/17

Out: -0.042+/-0.028 χ^2/NDF:13.3/19

All: -0.022+/-0.020 χ^2/NDF: 26.1/37

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 68.786+/-0.043 χ^2/NDF:22426.9/1

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 65.372+/-0.039 χ^2/NDF:185222.5/1

Left: 66.909+/-0.029 χ^2/NDF: 211098.7/3

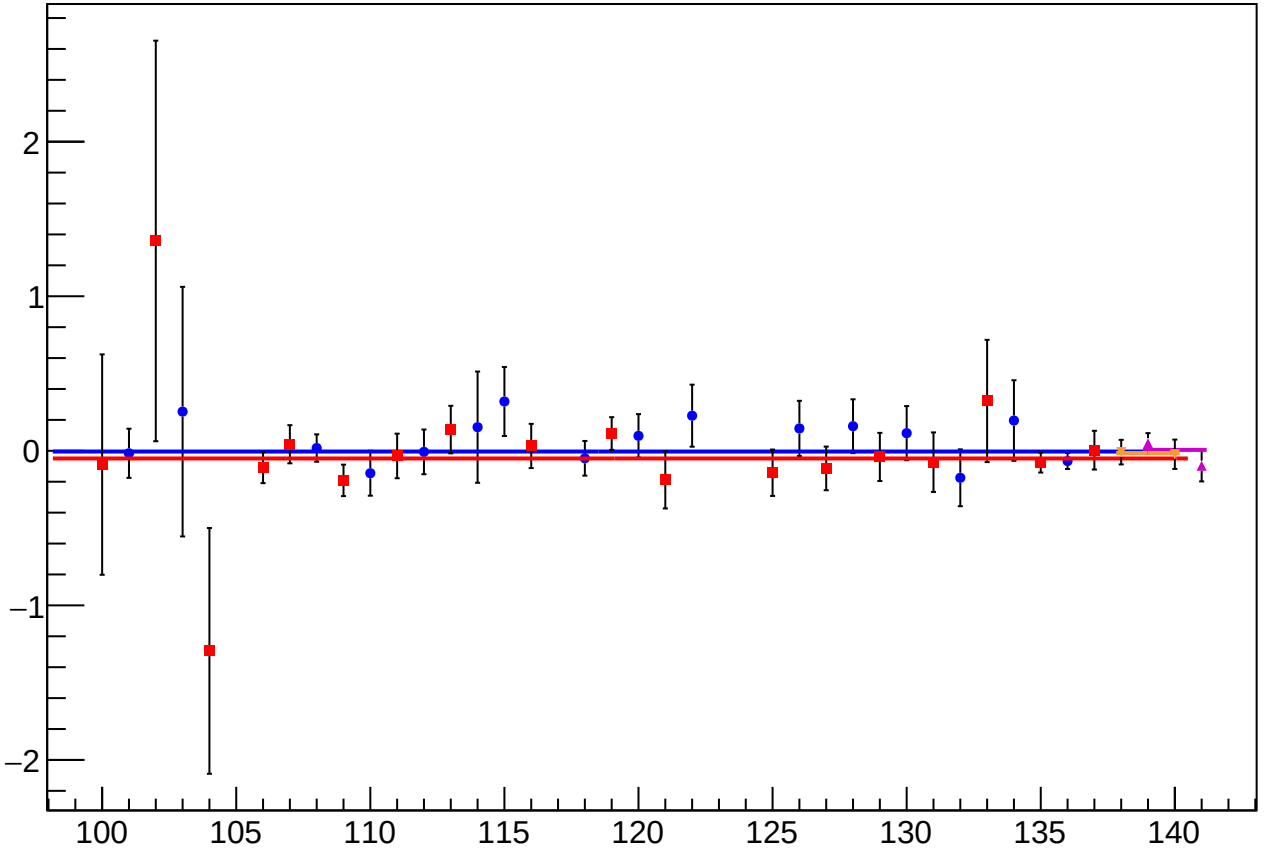
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.234+/-0.020 χ^2/NDF:3070113.8/17

Out: 68.737+/-0.020 χ^2/NDF:3354172.7/19

All: 69.998+/-0.014 χ^2/NDF: 6432260.2/37

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.014+/-0.061 χ^2/NDF:0.0/1

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.055 χ^2/NDF:1.4/1

Left: -0.003+/-0.041 χ^2/NDF: 1.5/3

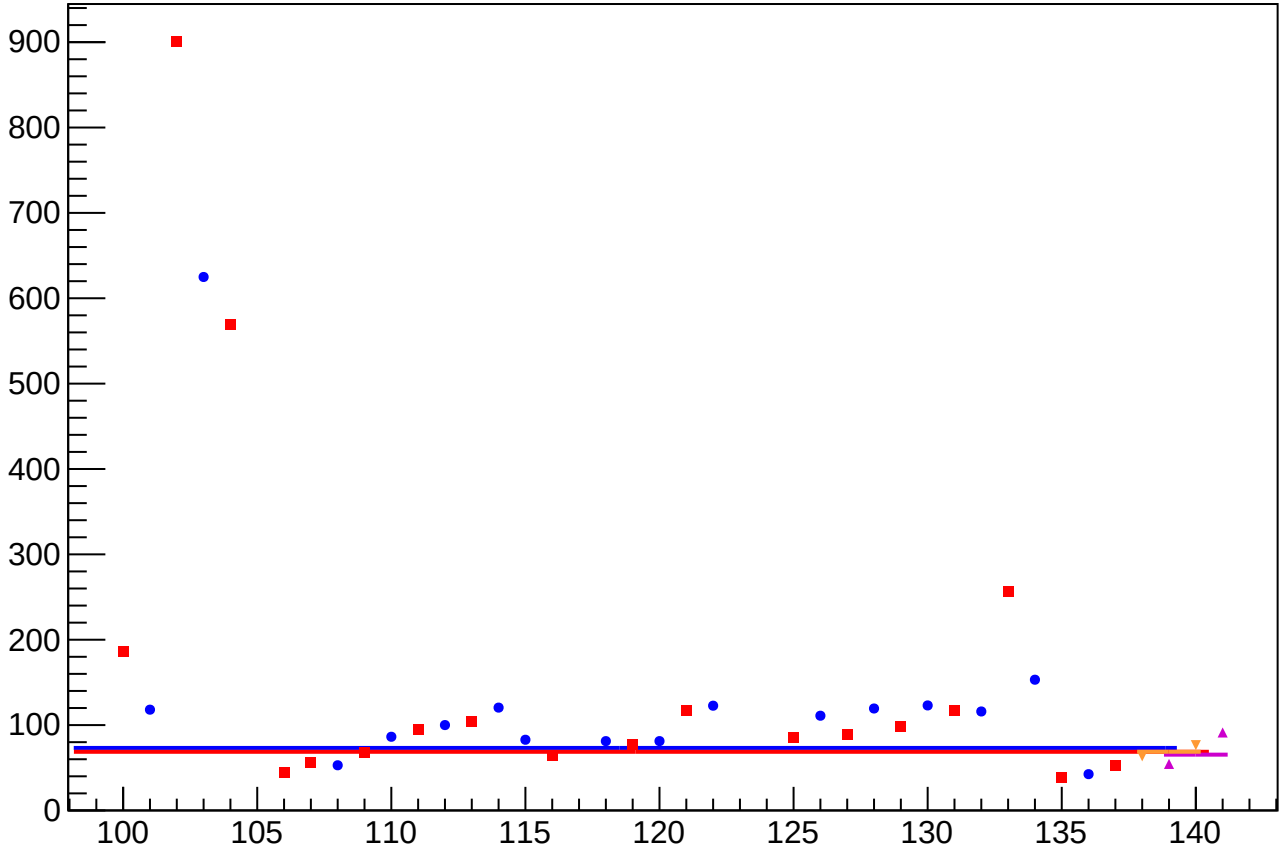
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.002+/-0.028 χ^2/NDF:11.8/17

Out: -0.042+/-0.028 χ^2/NDF:13.3/19

All: -0.022+/-0.020 χ^2/NDF: 26.1/37

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 68.786+/-0.043 χ^2/NDF:22426.9/1

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 65.372+/-0.039 χ^2/NDF:185222.5/1

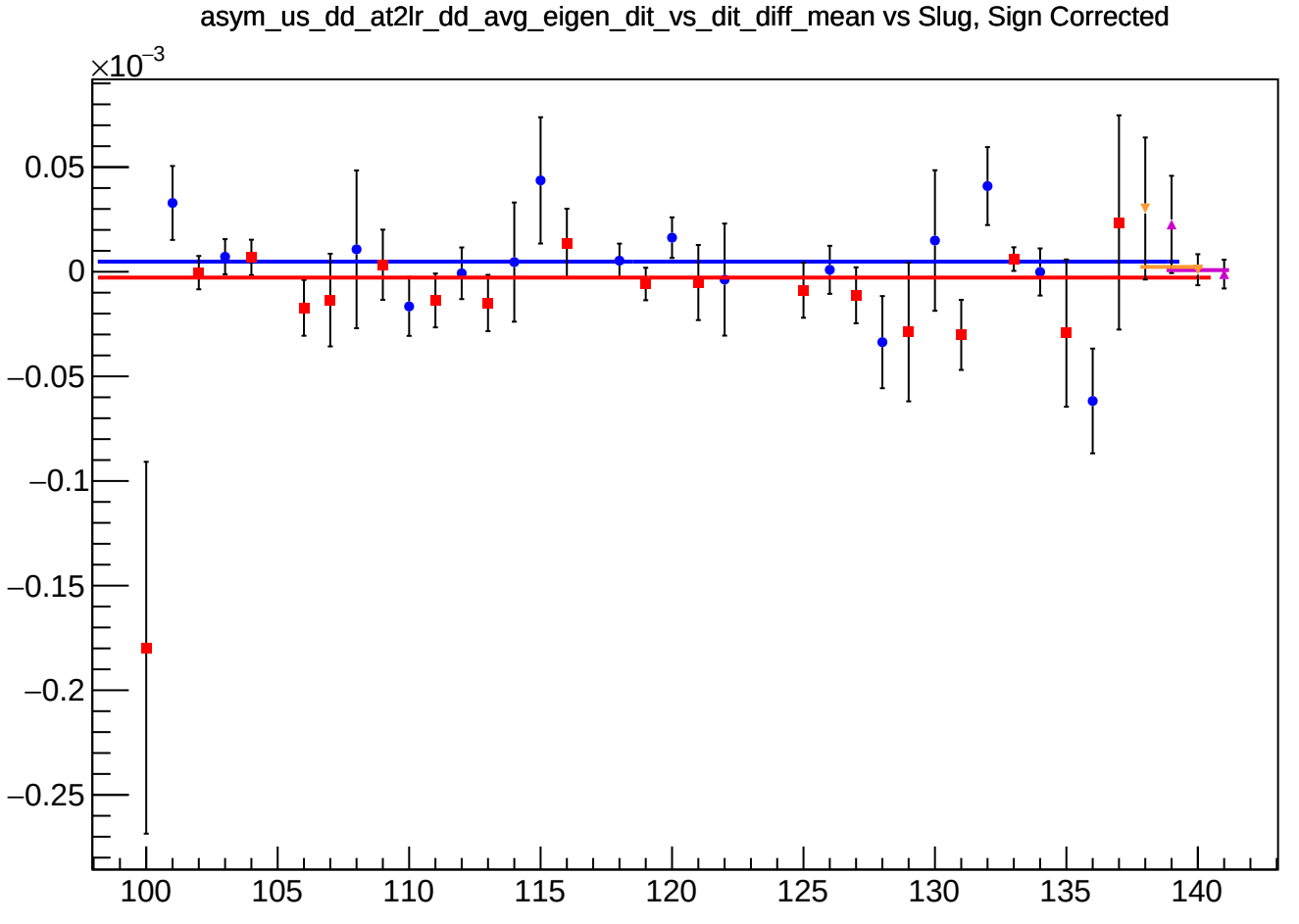
Left: 66.909+/-0.029 χ^2/NDF: 211098.7/3

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.234+/-0.020 χ^2/NDF:3070113.8/17

Out: 68.737+/-0.020 χ^2/NDF:3354172.7/19

All: 69.998+/-0.014 χ^2/NDF: 6432260.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

Left: 0.000+/-0.000 χ^2/NDF: 1.7/3

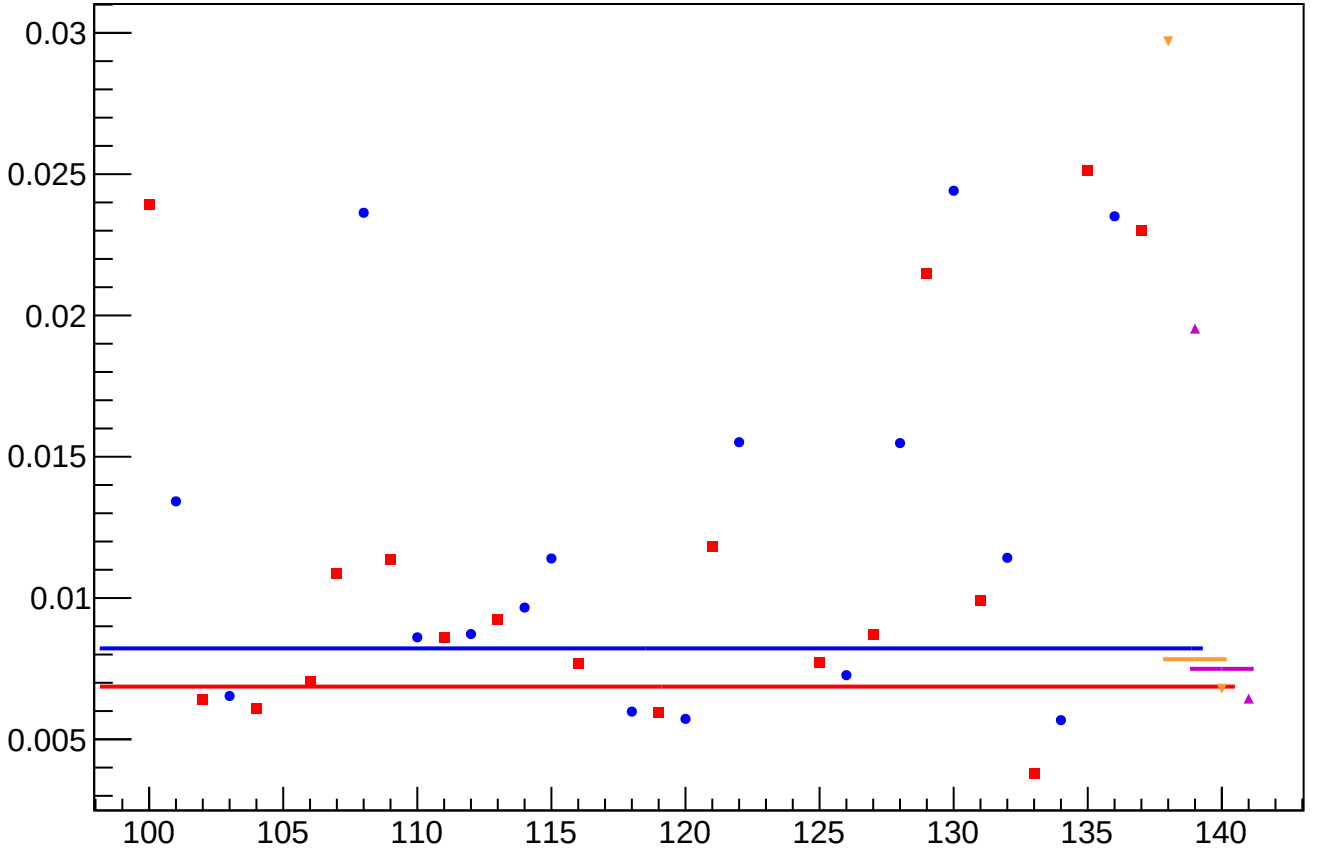
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:23.8/17

Out: -0.000+/-0.000 χ^2/NDF:17.9/19

All: 0.000+/-0.000 χ^2/NDF: 44.0/37

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:870213.4/1

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.007+/-0.000 χ^2/NDF:583996.4/1

Left: 0.008+/-0.000 χ^2/NDF: 1456616.7/3

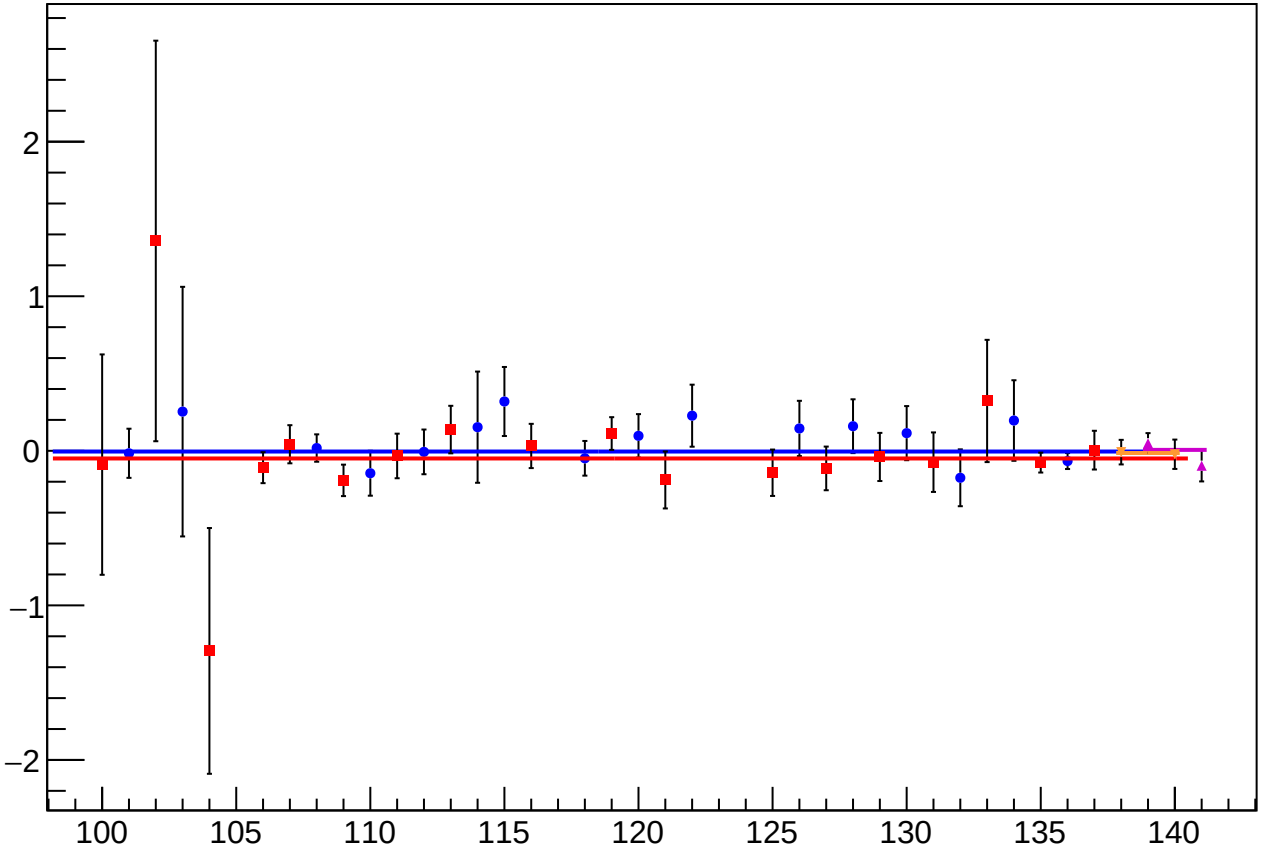
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3259000.7/17

Out: 0.007+/-0.000 χ^2/NDF:3327621.4/19

All: 0.007+/-0.000 χ^2/NDF: 6724221.5/37

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.014+/-0.061 χ^2/NDF:0.0/1

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.055 χ^2/NDF:1.4/1

Left: -0.003+/-0.041 χ^2/NDF: 1.5/3

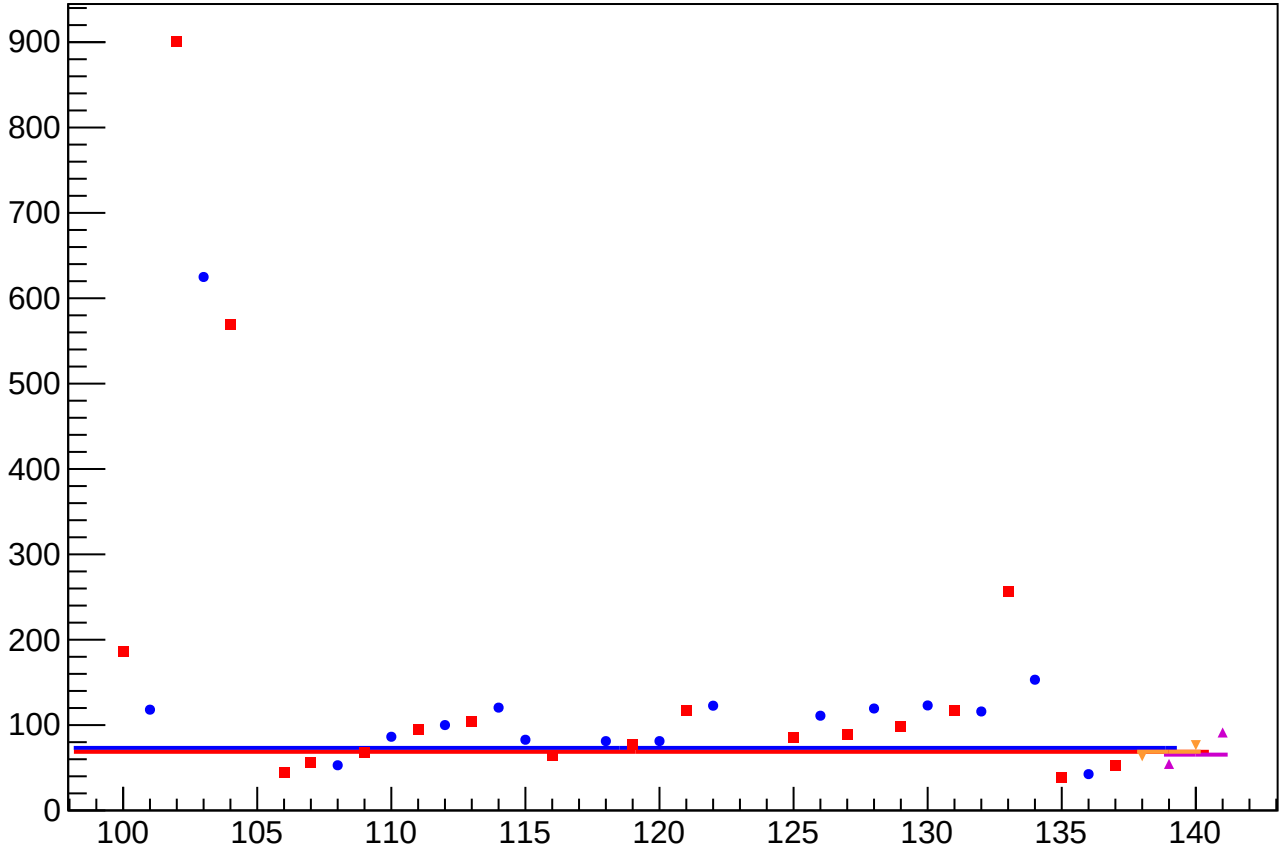
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.002+/-0.028 χ^2/NDF:11.8/17

Out: -0.042+/-0.028 χ^2/NDF:13.3/19

All: -0.022+/-0.020 χ^2/NDF: 26.1/37

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 68.796+/-0.043 χ^2/NDF:22414.7/1

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 65.385+/-0.039 χ^2/NDF:185097.6/1

Left: 66.921+/-0.029 χ^2/NDF: 210955.1/3

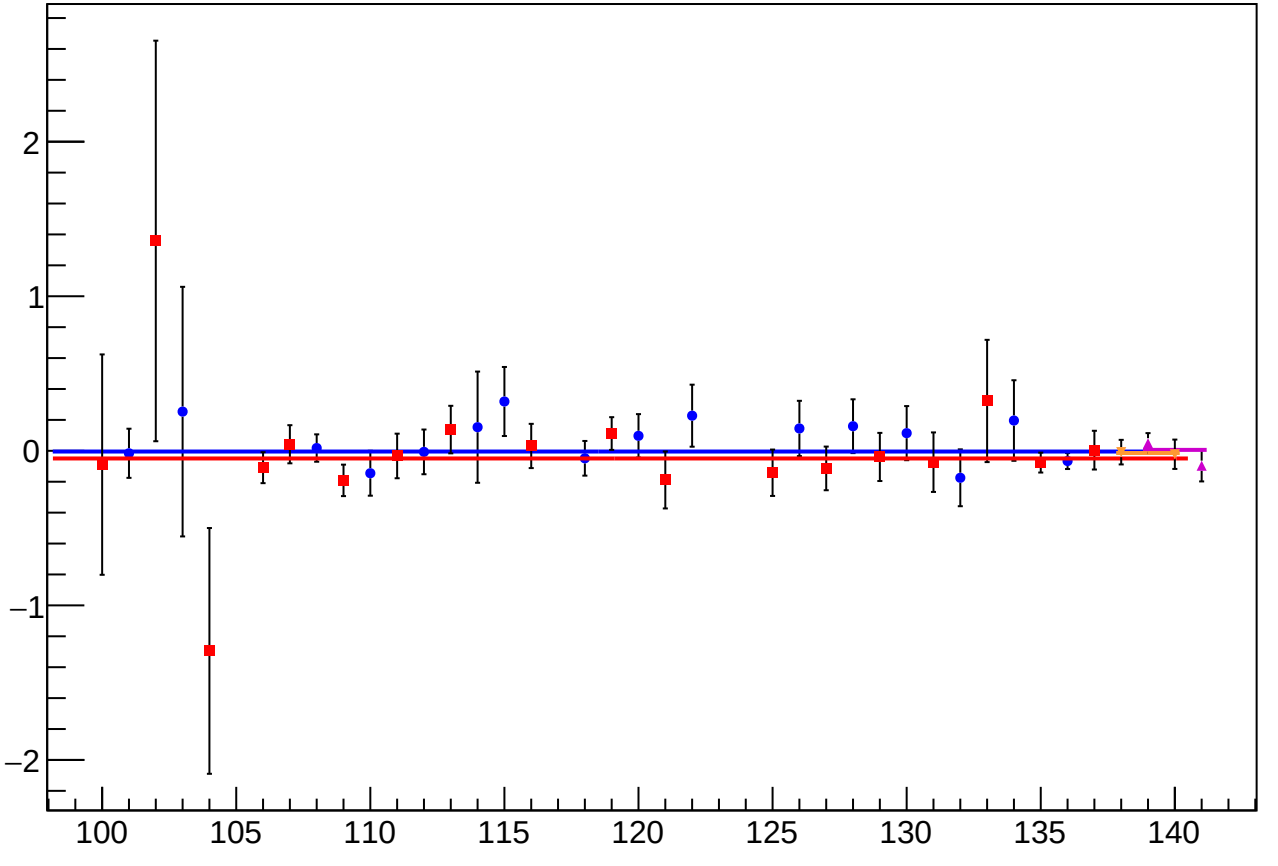
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.256+/-0.020 χ^2/NDF:3067780.8/17

Out: 68.730+/-0.020 χ^2/NDF:3355162.3/19

All: 70.005+/-0.014 χ^2/NDF: 6431098.6/37

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.014+/-0.061 χ^2/NDF:0.0/1

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.055 χ^2/NDF:1.4/1

Left: -0.003+/-0.041 χ^2/NDF: 1.5/3

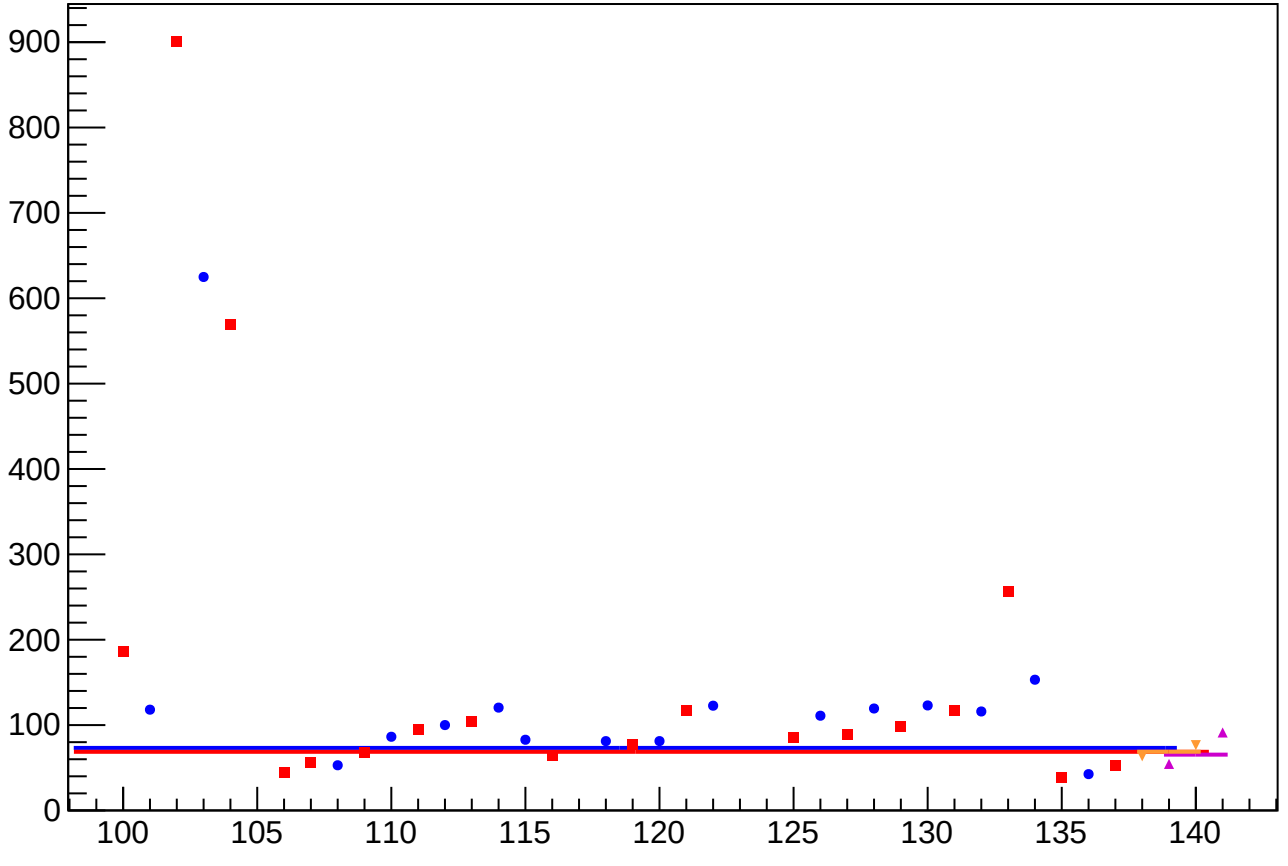
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.002+/-0.028 χ^2/NDF:11.8/17

Out: -0.042+/-0.028 χ^2/NDF:13.3/19

All: -0.022+/-0.020 χ^2/NDF: 26.1/37

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 68.796+/-0.043 χ^2/NDF:22414.7/1

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 65.385+/-0.039 χ^2/NDF:185097.6/1

Left: 66.921+/-0.029 χ^2/NDF: 210955.1/3

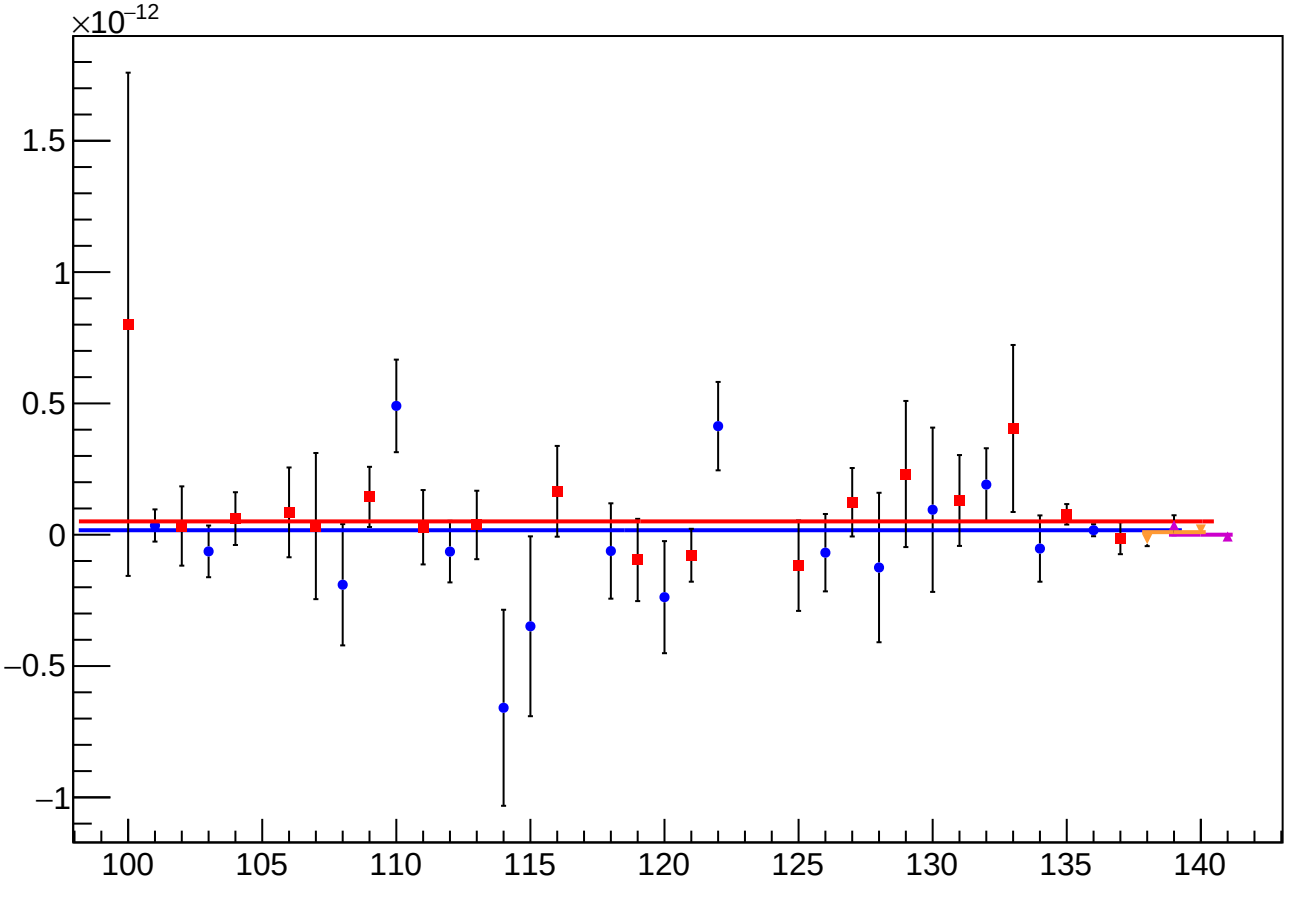
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.256+/-0.020 χ^2/NDF:3067780.8/17

Out: 68.730+/-0.020 χ^2/NDF:3355162.3/19

All: 70.005+/-0.014 χ^2/NDF: 6431098.6/37

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/1

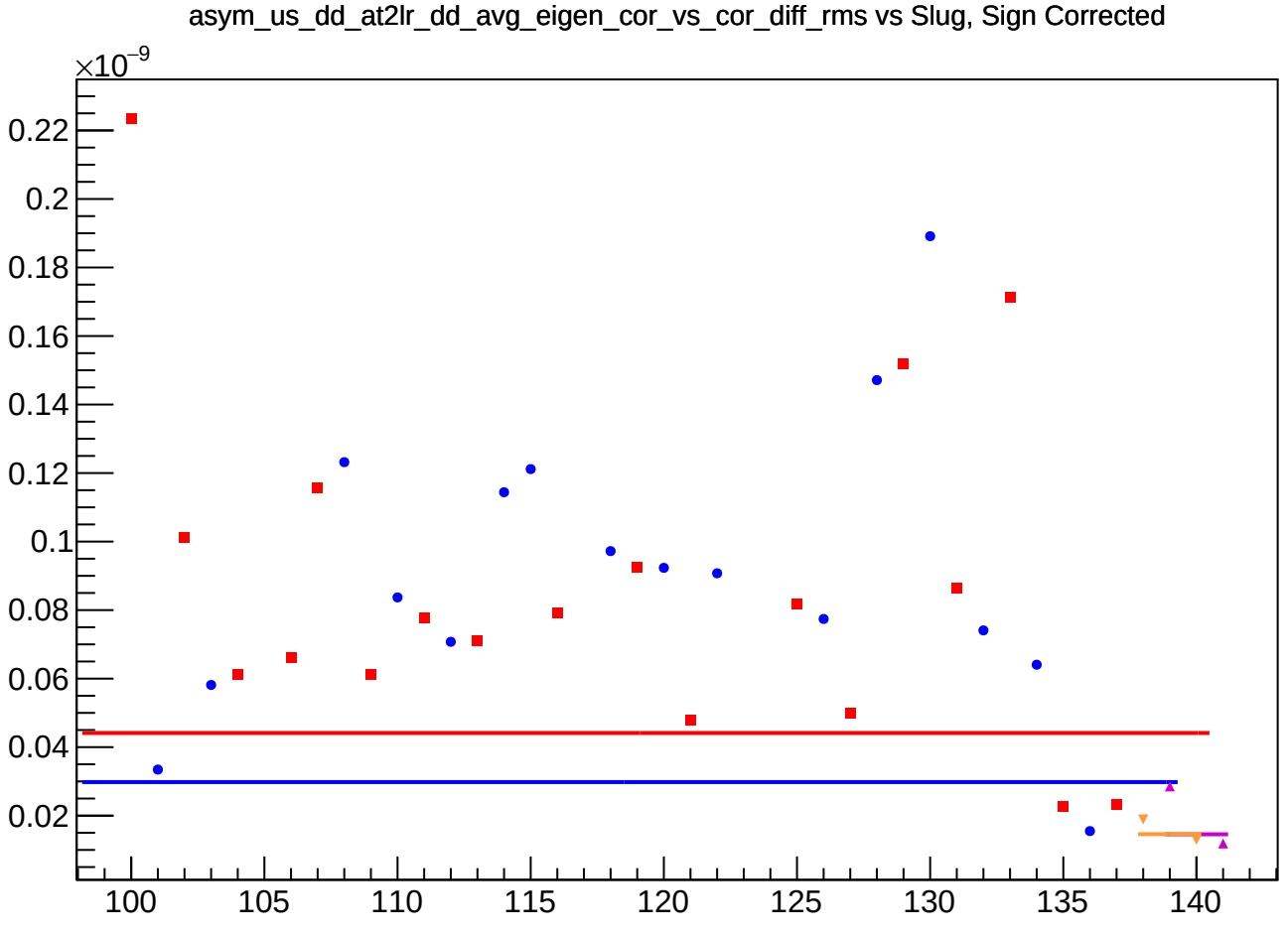
Left: 0.000+/-0.000 χ^2/NDF: 2.6/3

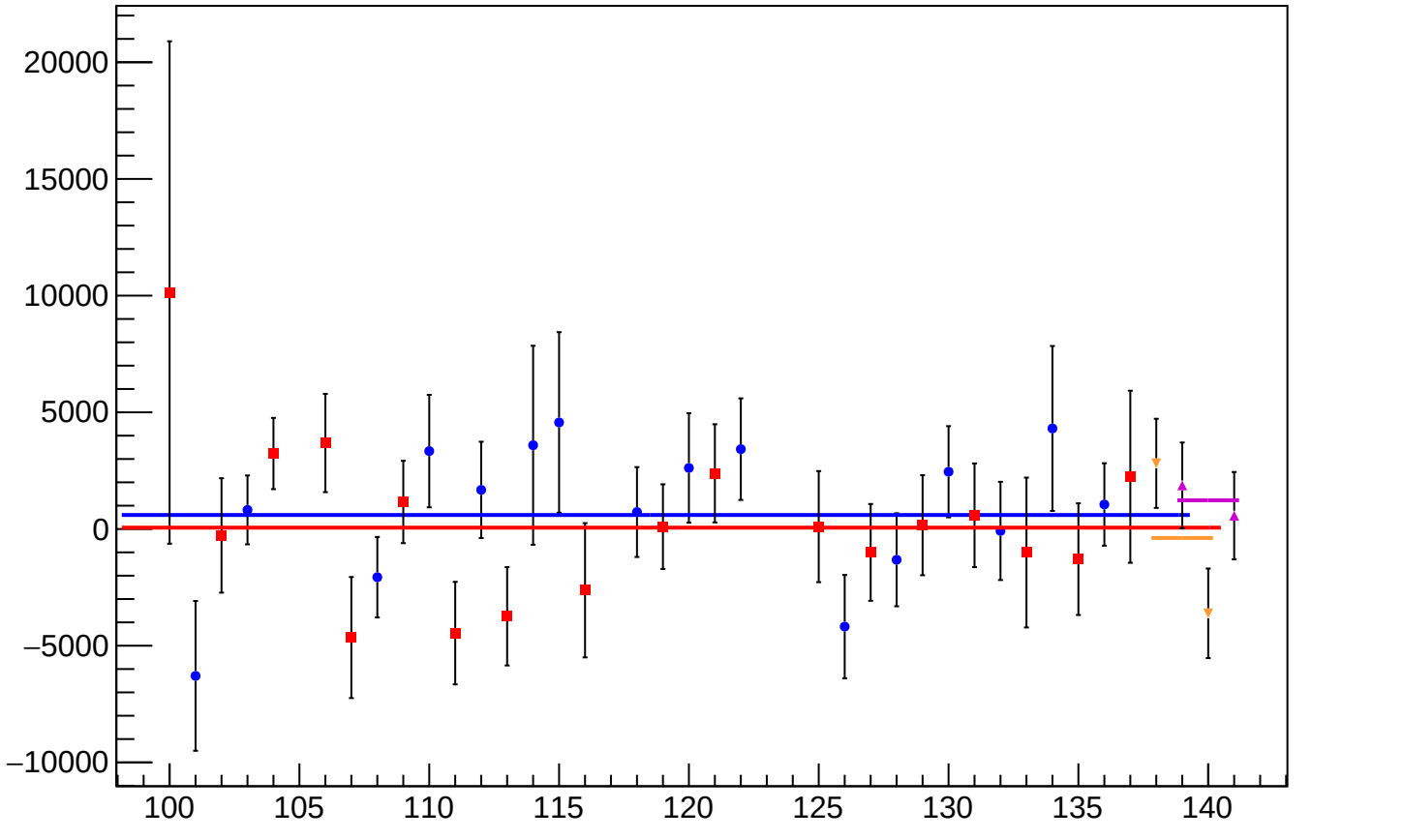
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

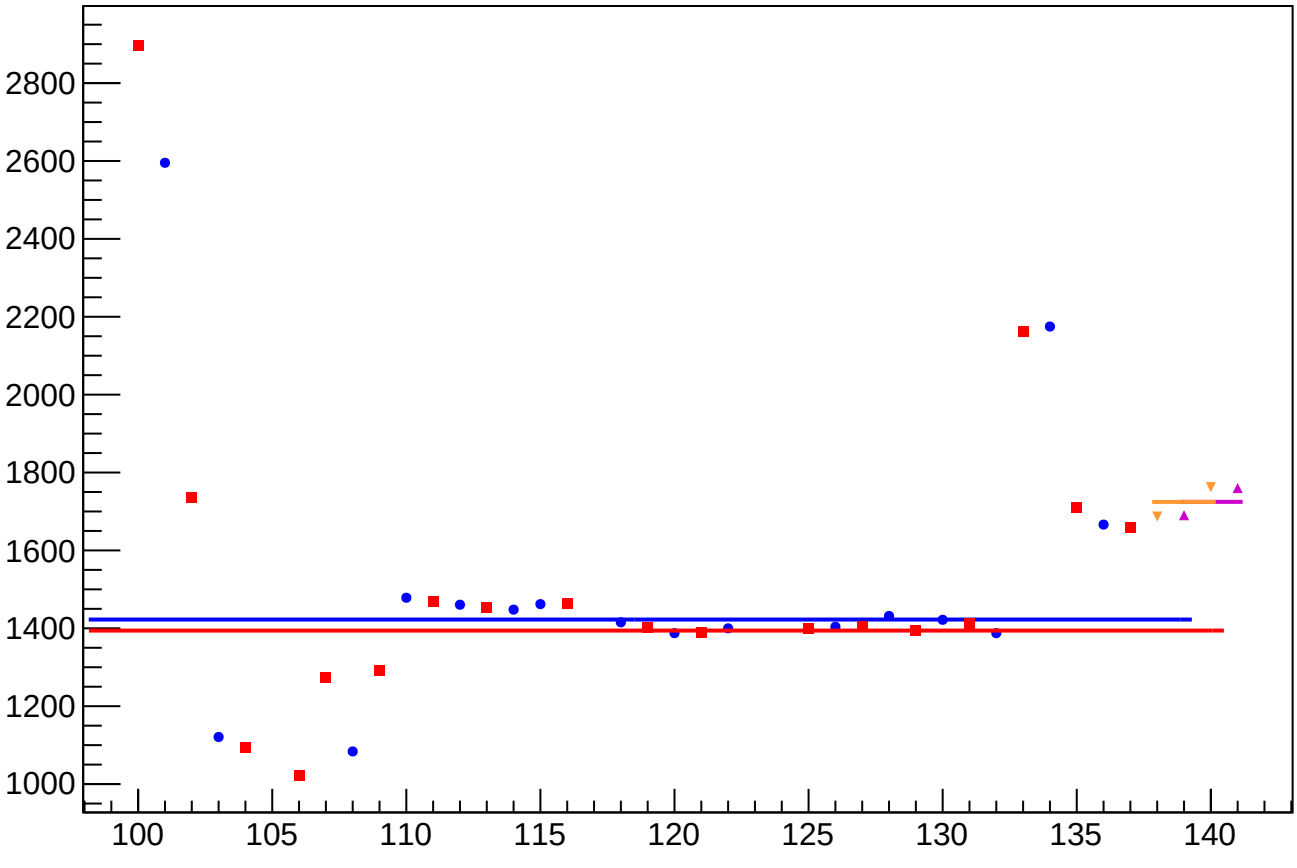
In: 0.000+/-0.000 χ^2/NDF:24.9/17

Out: 0.000+/-0.000 χ^2/NDF:12.5/19

All: 0.000+/-0.000 χ^2/NDF: 38.0/37


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:71478.6/1
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:322762.3/1
Left: 0.000+/-0.000 χ²/NDF: 394246.7/3
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5169738.0/17
Out: 0.000+/-0.000 χ²/NDF:4992925.8/19
All: 0.000+/-0.000 χ²/NDF: 10176882.8/37


reg_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: 600.146+/-540.053 χ²/NDF: 20.3/15
Left Out: -383.312+/-1353.712 χ²/NDF:5.6/1
Right Out: 59.091+/-530.206 χ²/NDF: 22.5/17
Left In: 1231.079+/-1311.336 χ²/NDF:0.2/1
Left: 449.546+/-941.879 χ²/NDF: 6.6/3
Right: 324.641+/-378.346 χ²/NDF: 43.4/33
In: 691.639+/-499.363 χ²/NDF:20.8/17
Out: 0.251+/-493.689 χ²/NDF:28.3/19
All: 341.995+/-351.080 χ²/NDF: 50.0/37



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1724.516+/-0.957 χ^2/NDF:1556.4/1

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1724.705+/-0.927 χ^2/NDF:1414.0/1

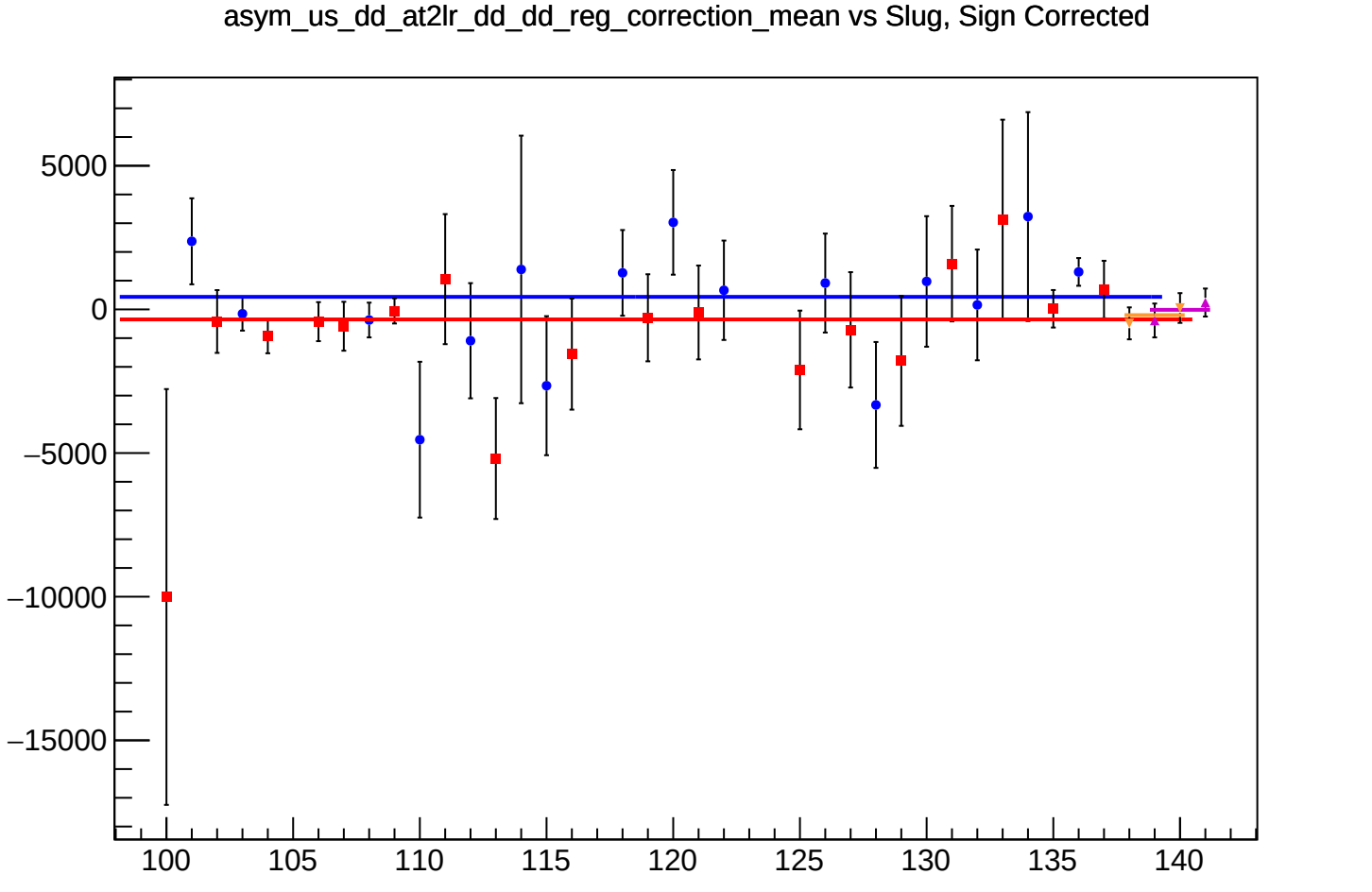
Left: 1724.613+/-0.666 χ^2/NDF: 2970.4/3

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1466.336+/-0.353 χ^2/NDF:652481.0/17

Out: 1438.107+/-0.349 χ^2/NDF:498482.5/19

All: 1452.060+/-0.248 χ^2/NDF: 1154195.8/37



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -199.151+/-378.927 χ^2/NDF:0.5/1

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -14.734+/-375.745 χ^2/NDF:0.7/1

Left: -106.165+/-266.810 χ^2/NDF: 1.3/3

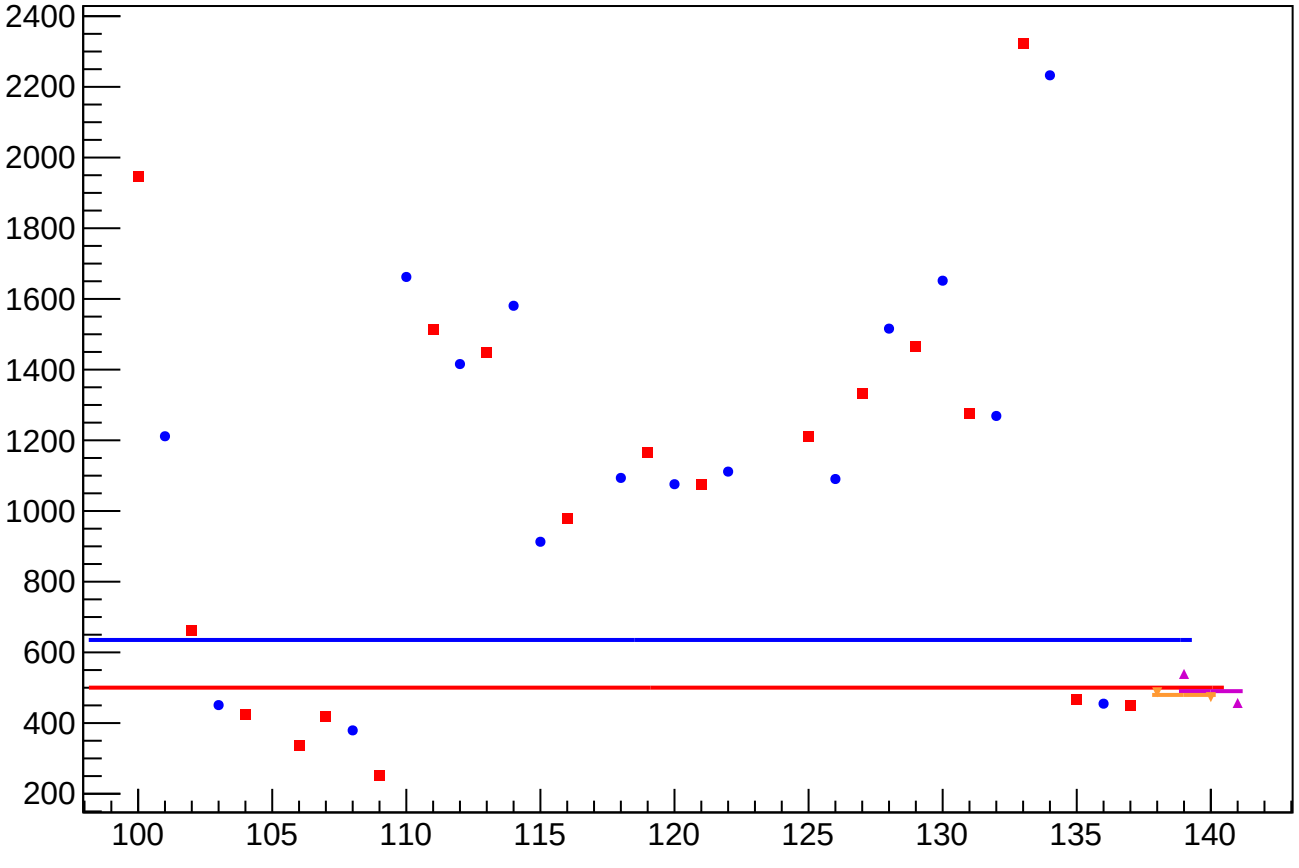
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 278.429+/-222.396 χ^2/NDF:20.9/17

Out: -307.383+/-198.940 χ^2/NDF:14.5/19

All: -46.990+/-148.273 χ^2/NDF: 39.3/37

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 479.628+/-0.268 χ^2/NDF:660.2/1

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 490.299+/-0.266 χ^2/NDF:23065.0/1

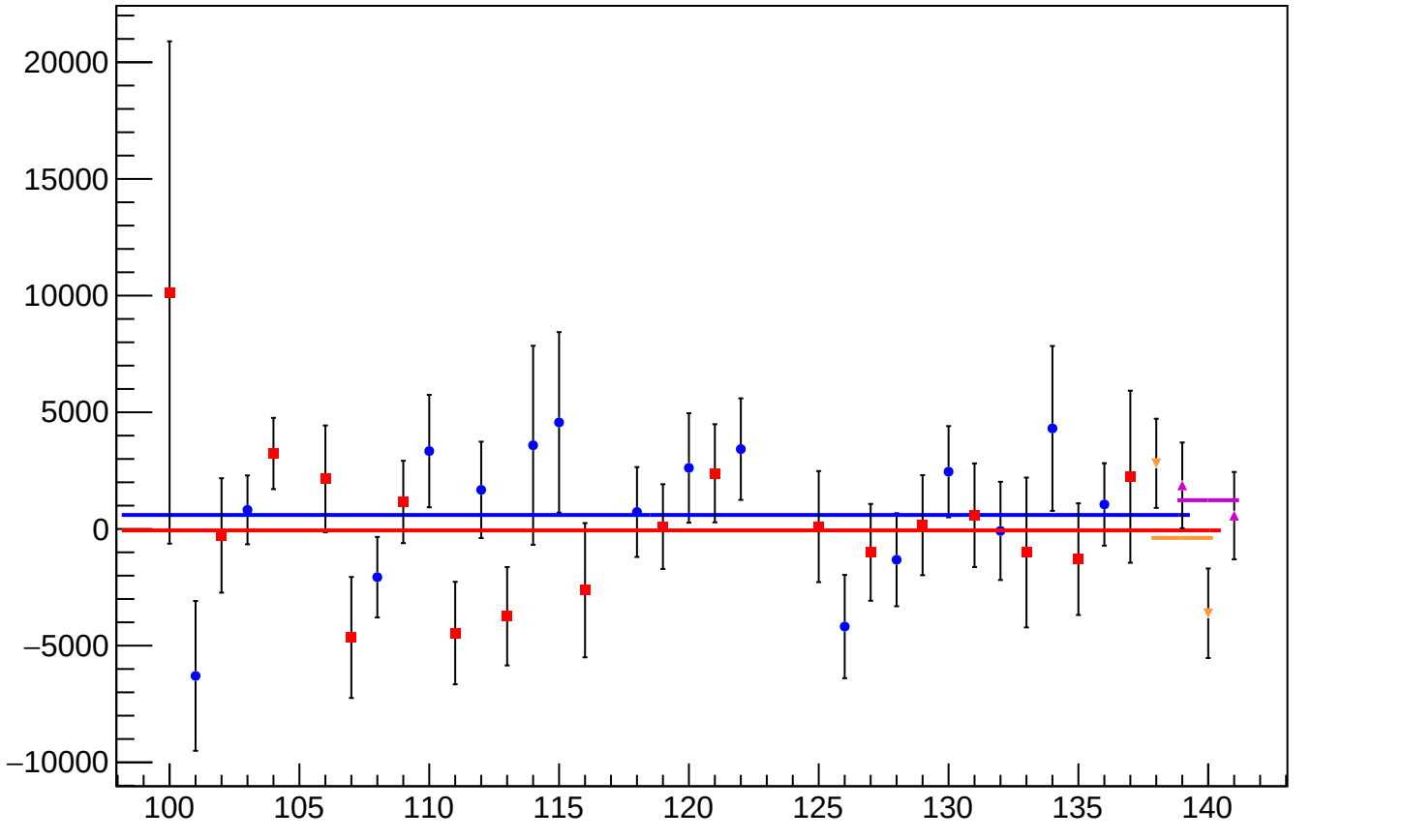
Left: 485.009+/-0.189 χ^2/NDF: 24525.0/3

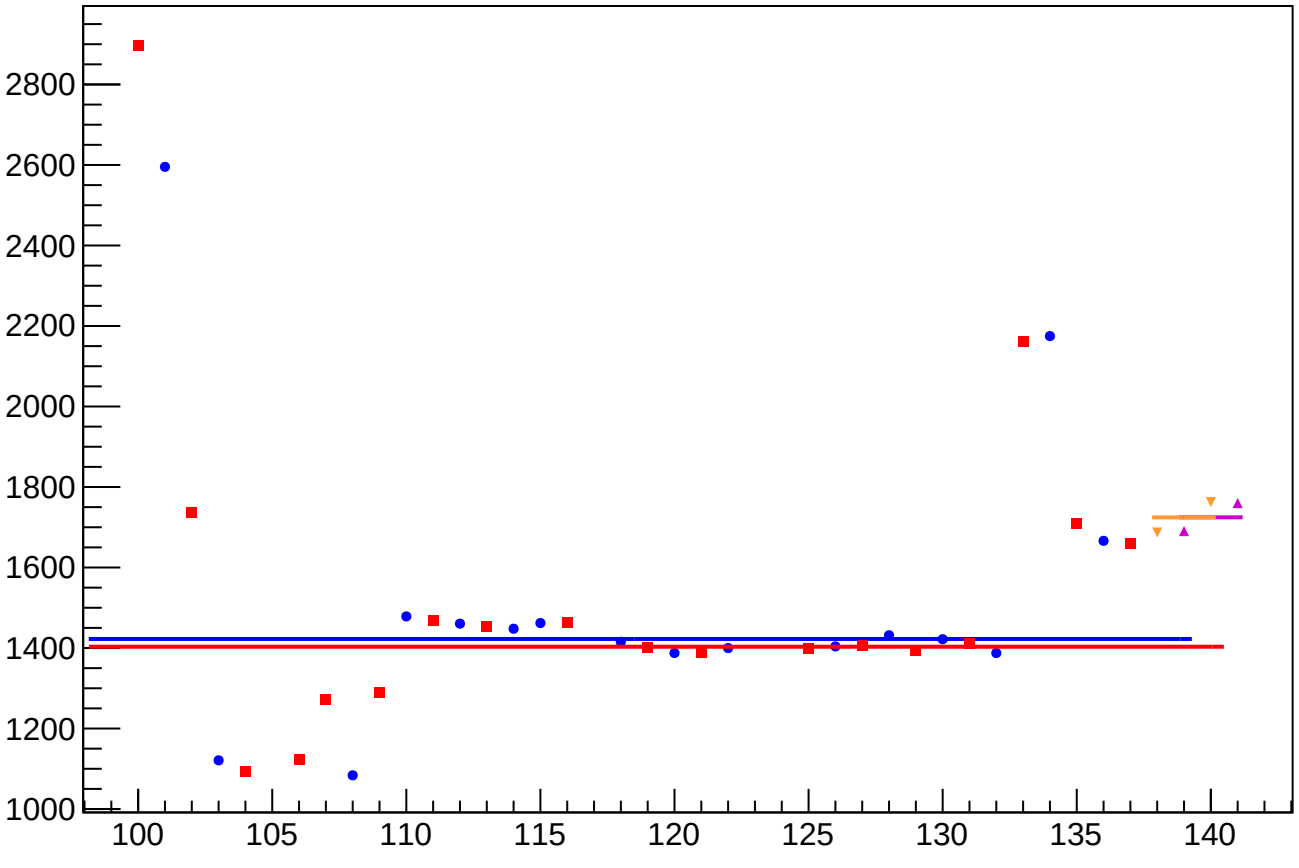
Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 584.396+/-0.157 χ^2/NDF:3968708.0/17

Out: 494.552+/-0.141 χ^2/NDF:4314036.3/19

All: 534.488+/-0.105 χ^2/NDF: 8464058.7/37


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -383.334+/-1353.712 χ²/NDF:5.6/1
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 1231.240+/-1311.336 χ²/NDF:0.2/1
Left: 449.618+/-941.879 χ²/NDF: 6.6/3
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 691.554+/-499.363 χ²/NDF:20.8/17
Out: -103.685+/-495.803 χ²/NDF:26.0/19
All: 291.090+/-351.838 χ²/NDF: 48.1/37



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1724.516+/-0.957 χ^2/NDF:1556.4/1

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1724.705+/-0.927 χ^2/NDF:1414.0/1

Left: 1724.613+/-0.666 χ^2/NDF: 2970.4/3

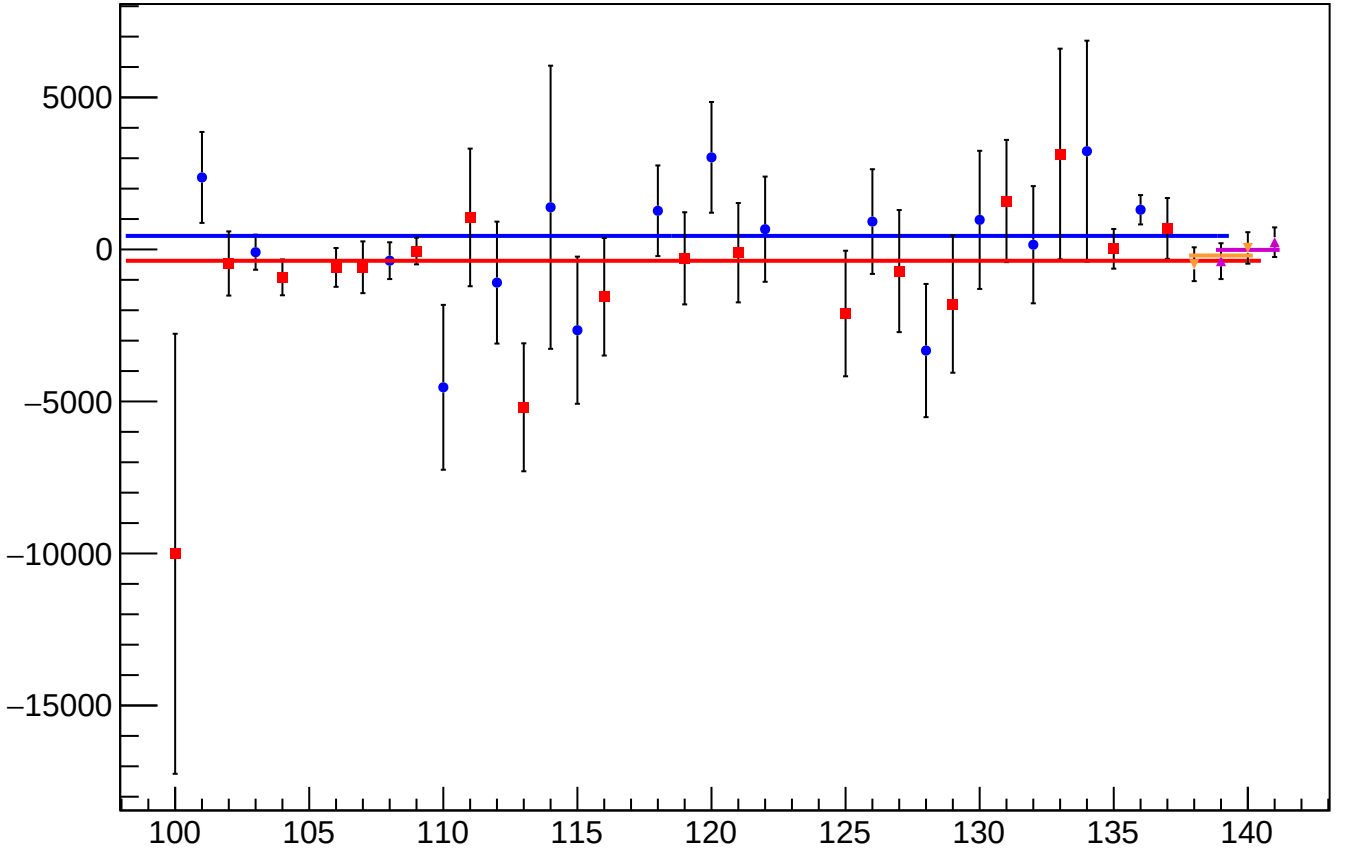
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1466.336+/-0.353 χ^2/NDF:652481.3/17

Out: 1446.319+/-0.351 χ^2/NDF:458221.9/19

All: 1456.256+/-0.249 χ^2/NDF: 1112321.5/37

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -199.125+/-378.941 χ^2/NDF:0.5/1

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -14.984+/-375.737 χ^2/NDF:0.7/1

Left: -106.273+/-266.812 χ^2/NDF: 1.3/3

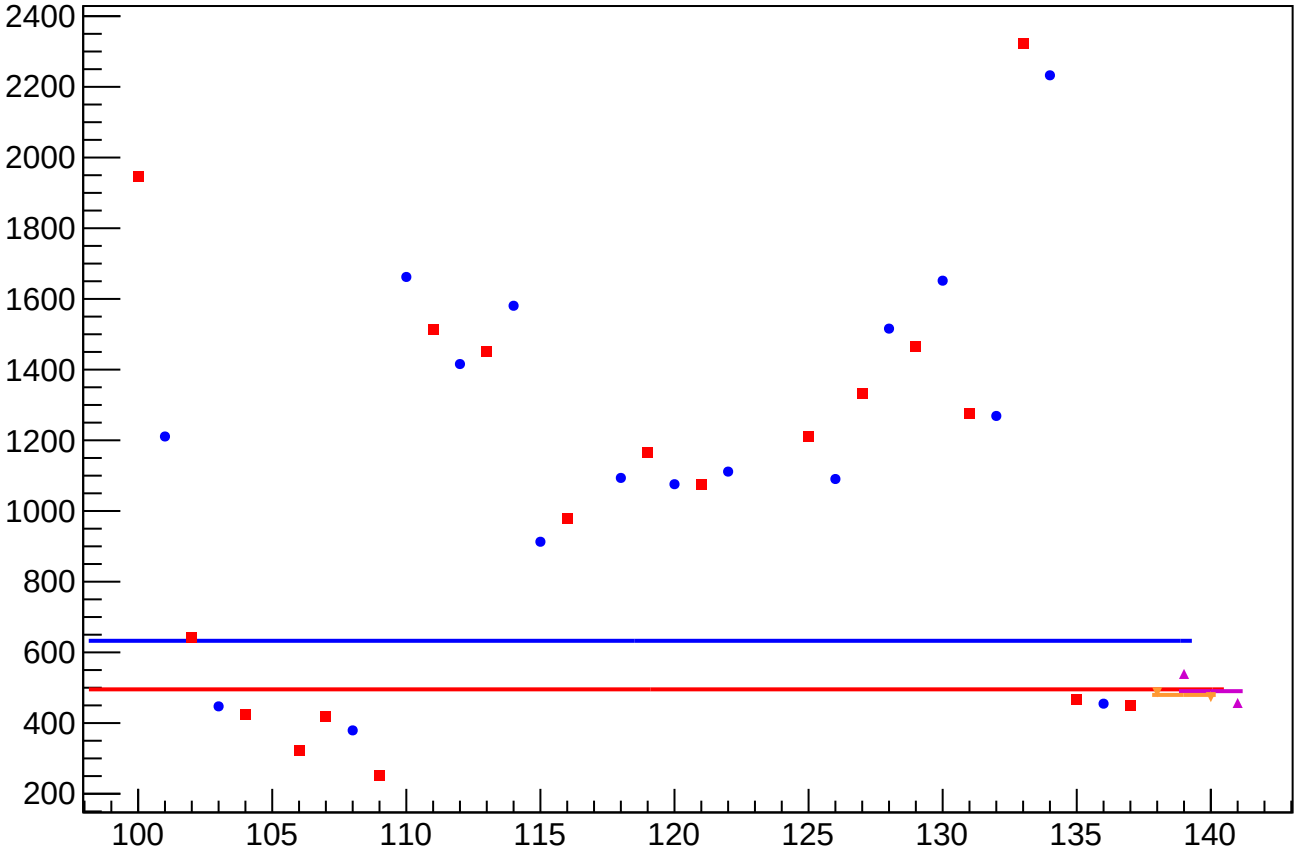
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 284.828+/-221.775 χ^2/NDF:20.8/17

Out: -325.451+/-197.461 χ^2/NDF:14.7/19

All: -55.587+/-147.476 χ^2/NDF: 39.7/37

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 479.648+/-0.268 χ^2/NDF:657.9/1

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 490.287+/-0.266 χ^2/NDF:23070.6/1

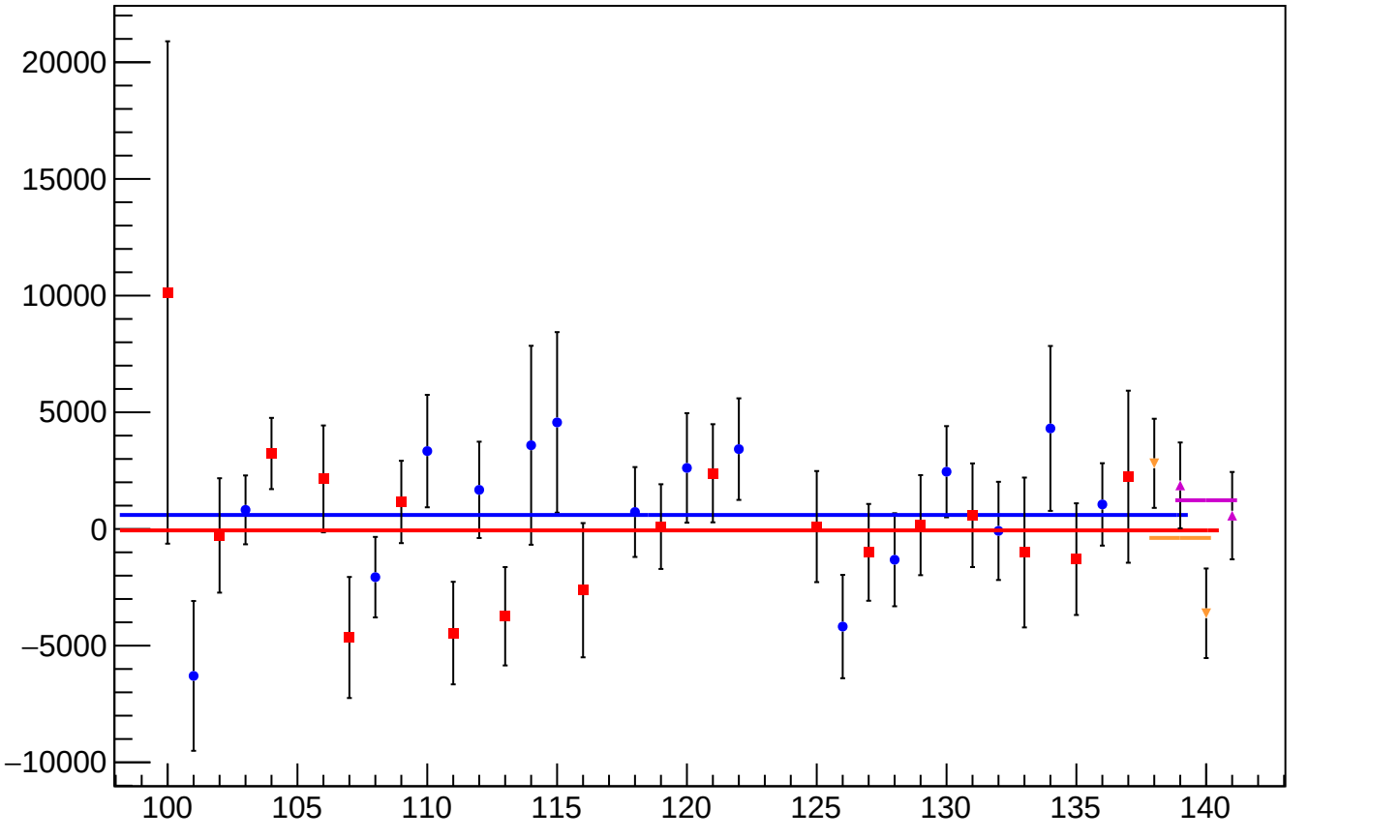
Left: 485.013+/-0.189 χ^2/NDF: 24523.5/3

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 583.120+/-0.157 χ^2/NDF:3978160.1/17

Out: 491.108+/-0.140 χ^2/NDF:4340653.9/19

All: 531.796+/-0.104 χ^2/NDF: 8510845.3/37



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -383.334+/-1353.712 χ^2/NDF:5.6/1

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 1231.240+/-1311.336 χ^2/NDF:0.2/1

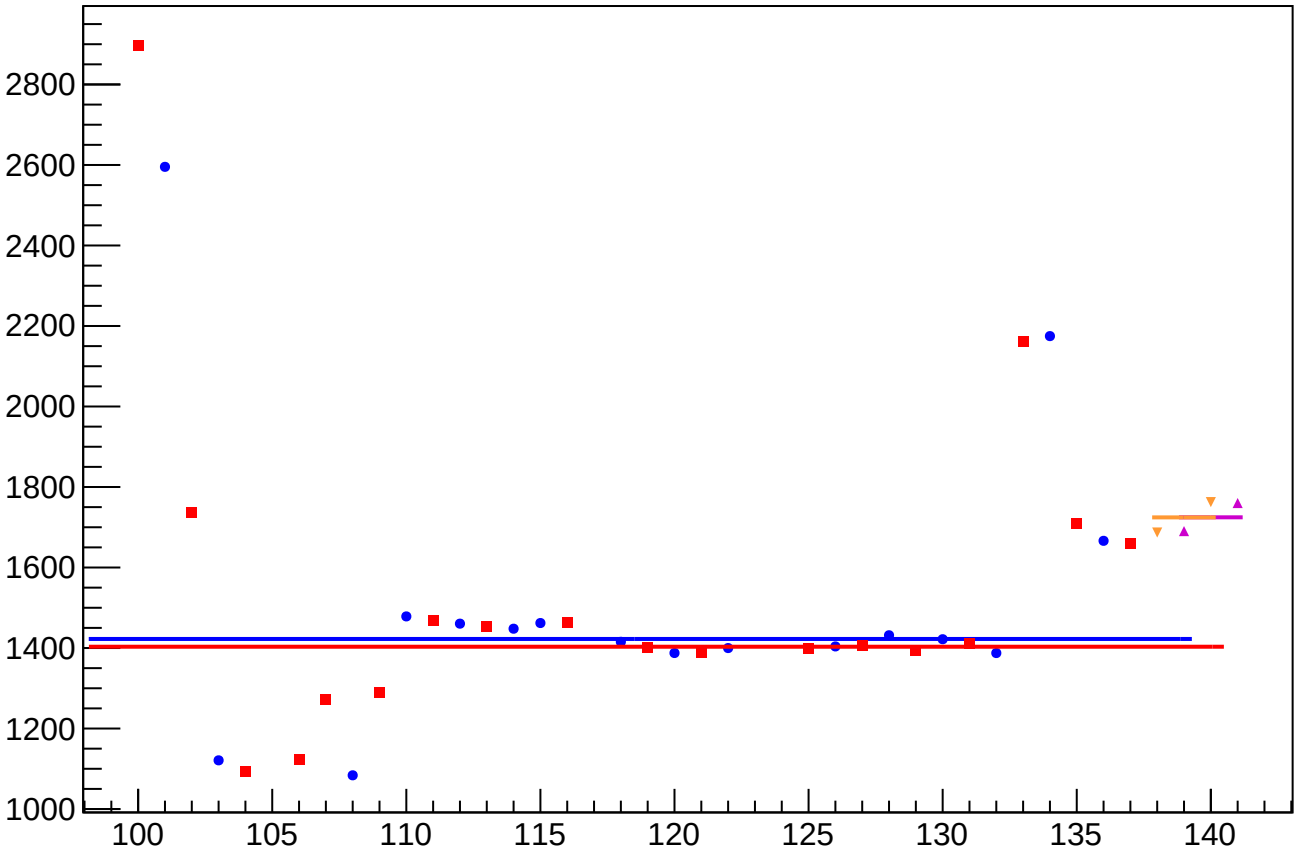
Left: 449.618+/-941.879 χ^2/NDF: 6.6/3

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 691.554+/-499.363 χ^2/NDF:20.8/17

Out: -103.685+/-495.803 χ^2/NDF:26.0/19

All: 291.090+/-351.838 χ^2/NDF: 48.1/37



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1724.516+/-0.957 χ^2/NDF:1556.4/1

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1724.705+/-0.927 χ^2/NDF:1414.0/1

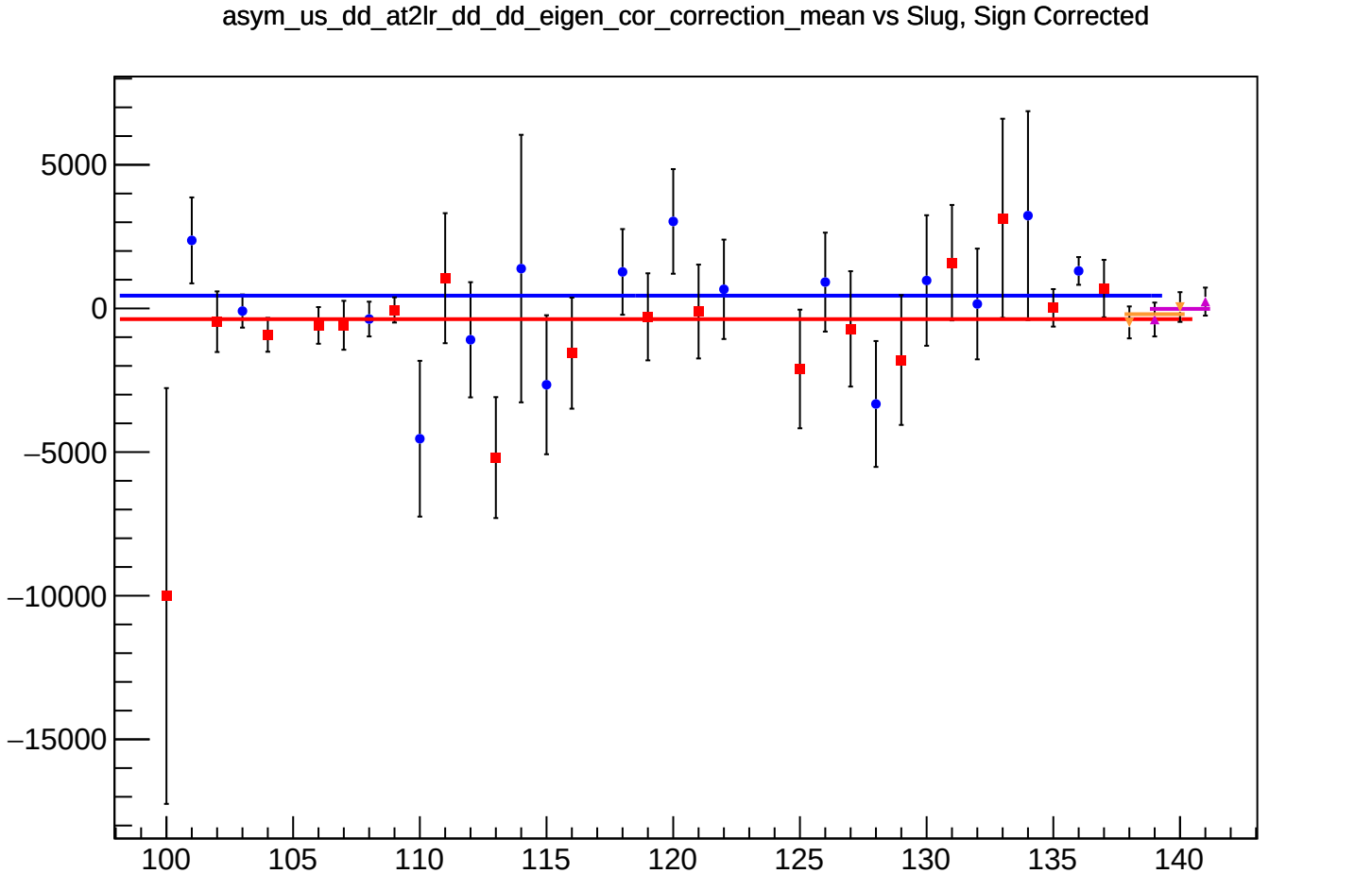
Left: 1724.613+/-0.666 χ^2/NDF: 2970.4/3

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1466.336+/-0.353 χ^2/NDF:652481.3/17

Out: 1446.319+/-0.351 χ^2/NDF:458221.9/19

All: 1456.256+/-0.249 χ^2/NDF: 1112321.5/37



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -199.125+/-378.941 χ^2/NDF:0.5/1

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -14.984+/-375.737 χ^2/NDF:0.7/1

Left: -106.273+/-266.812 χ^2/NDF: 1.3/3

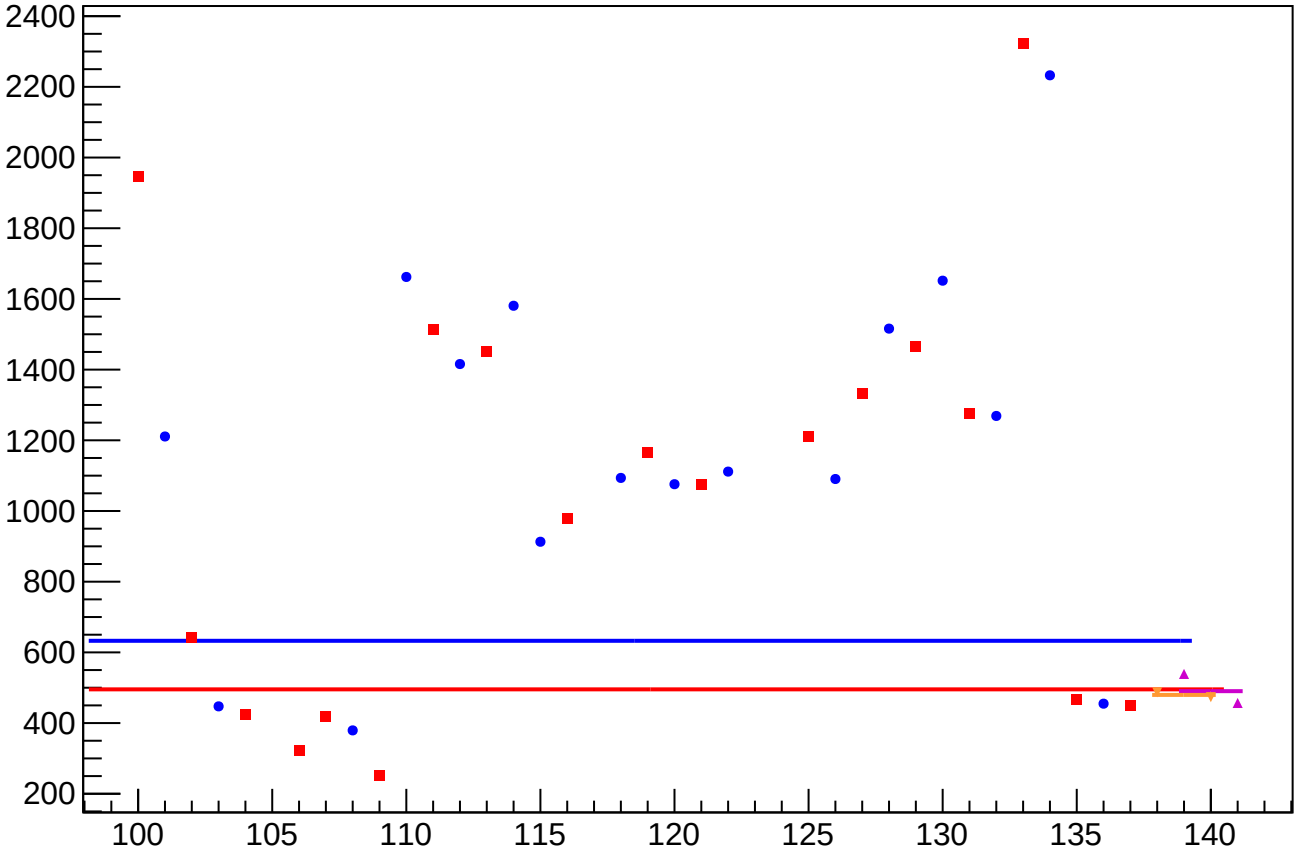
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 284.828+/-221.775 χ^2/NDF:20.8/17

Out: -325.451+/-197.461 χ^2/NDF:14.7/19

All: -55.587+/-147.476 χ^2/NDF: 39.7/37

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 479.648+/-0.268 χ^2/NDF:657.9/1

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 490.287+/-0.266 χ^2/NDF:23070.6/1

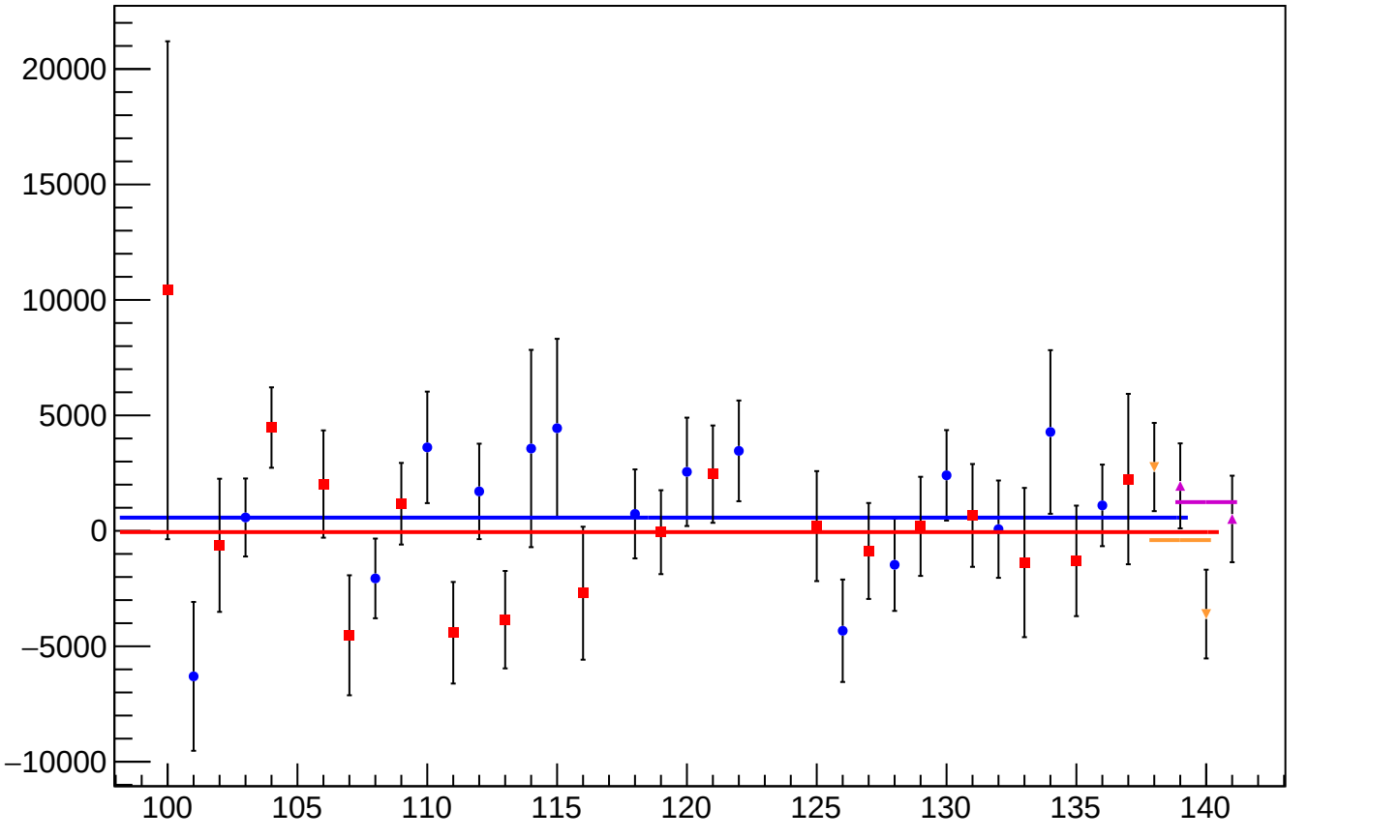
Left: 485.013+/-0.189 χ^2/NDF: 24523.5/3

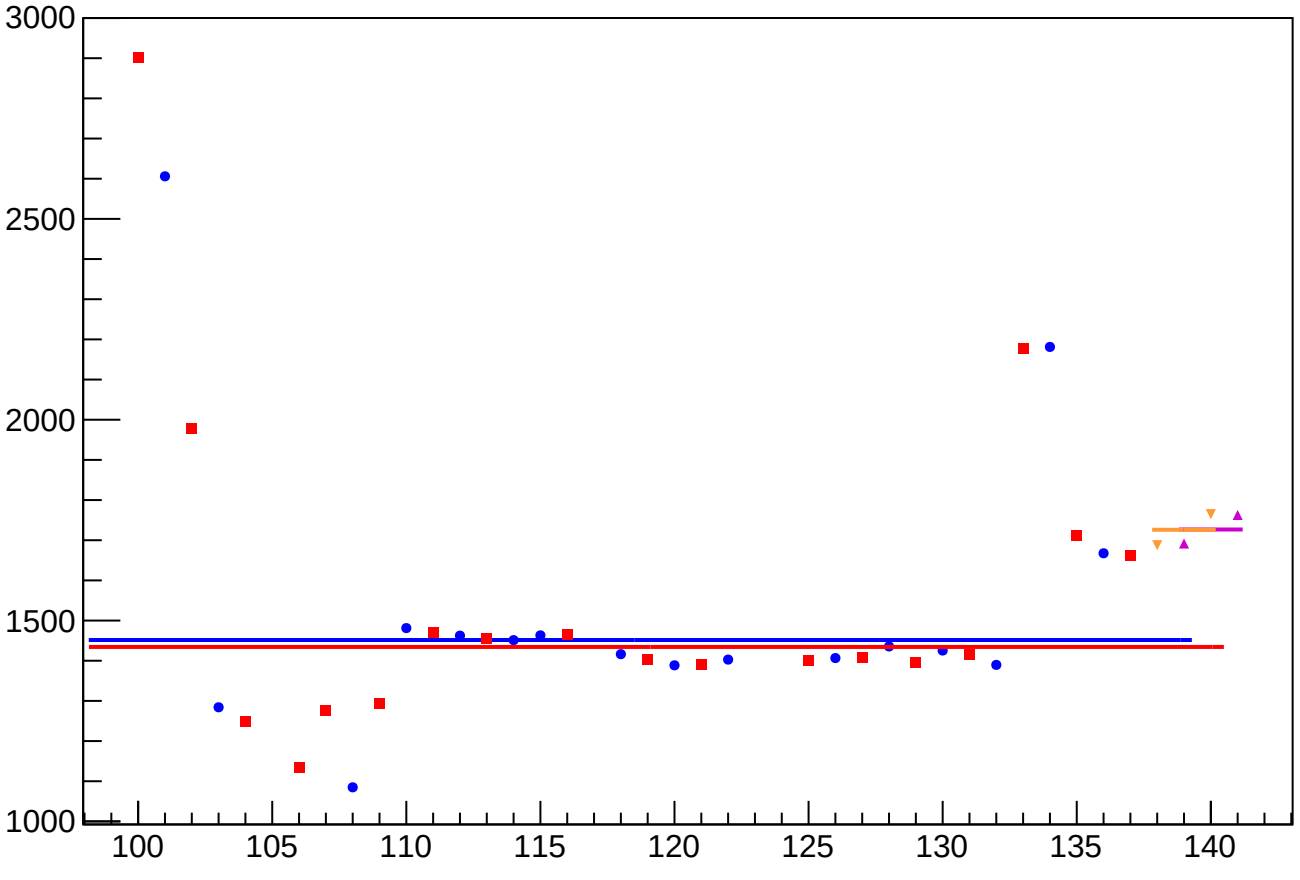
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 583.120+/-0.157 χ^2/NDF:3978160.1/17

Out: 491.108+/-0.140 χ^2/NDF:4340653.9/19

All: 531.796+/-0.104 χ^2/NDF: 8510845.3/37


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: -401.524+/-1354.902 χ²/NDF:5.5/1
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: 1243.823+/-1312.917 χ²/NDF:0.3/1
Left: 447.037+/-942.866 χ²/NDF: 6.6/3
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 672.430+/-507.002 χ²/NDF:21.3/17
Out: -102.241+/-505.909 χ²/NDF:28.1/19
All: 284.259+/-358.118 χ²/NDF: 50.6/37



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1726.013+/-0.958 χ^2/NDF:1632.0/1

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1726.722+/-0.928 χ^2/NDF:1463.7/1

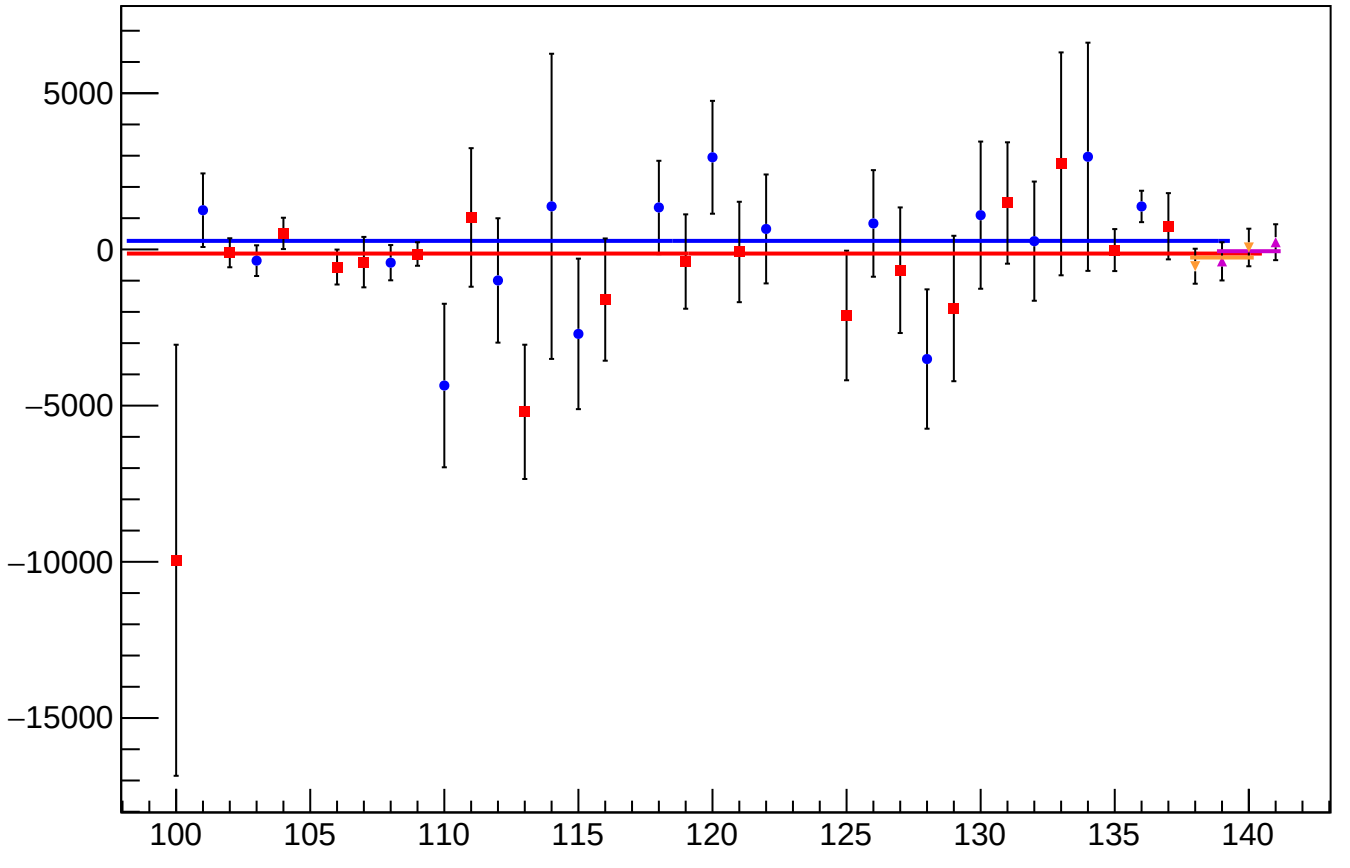
Left: 1726.379+/-0.667 χ^2/NDF: 3096.0/3

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1492.609+/-0.359 χ^2/NDF:564037.7/17

Out: 1474.989+/-0.358 χ^2/NDF:409995.2/19

All: 1483.780+/-0.253 χ^2/NDF: 975243.3/37



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -259.145+/-409.790 χ^2/NDF:0.5/1

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -56.813+/-418.640 χ^2/NDF:0.5/1

Left: -160.140+/-292.844 χ^2/NDF: 1.2/3

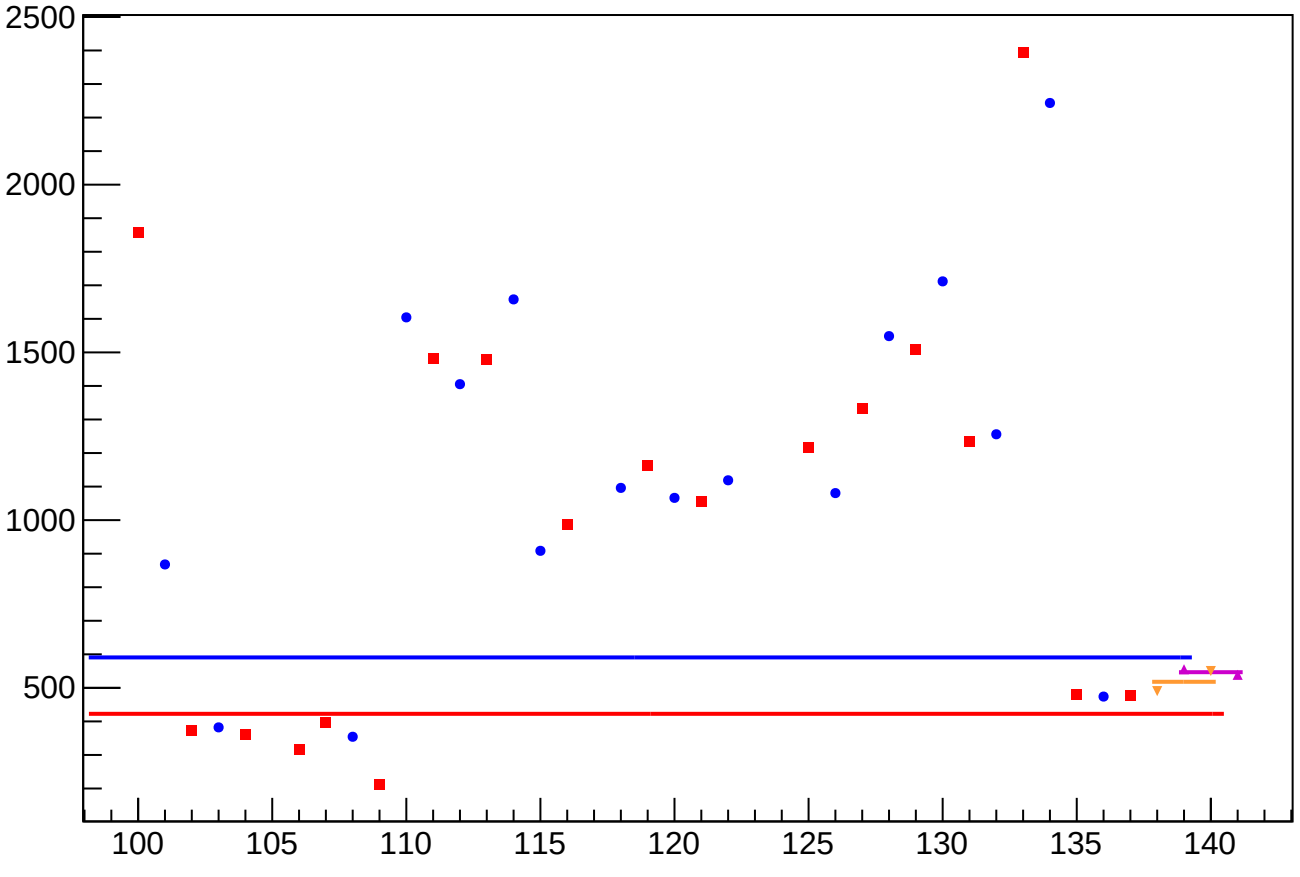
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 181.240+/-221.199 χ^2/NDF:21.2/17

Out: -156.124+/-176.767 χ^2/NDF:15.0/19

All: -24.644+/-138.090 χ^2/NDF: 37.7/37

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 518.101+/-0.290 χ^2/NDF:10620.7/1

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 546.725+/-0.296 χ^2/NDF:783.0/1

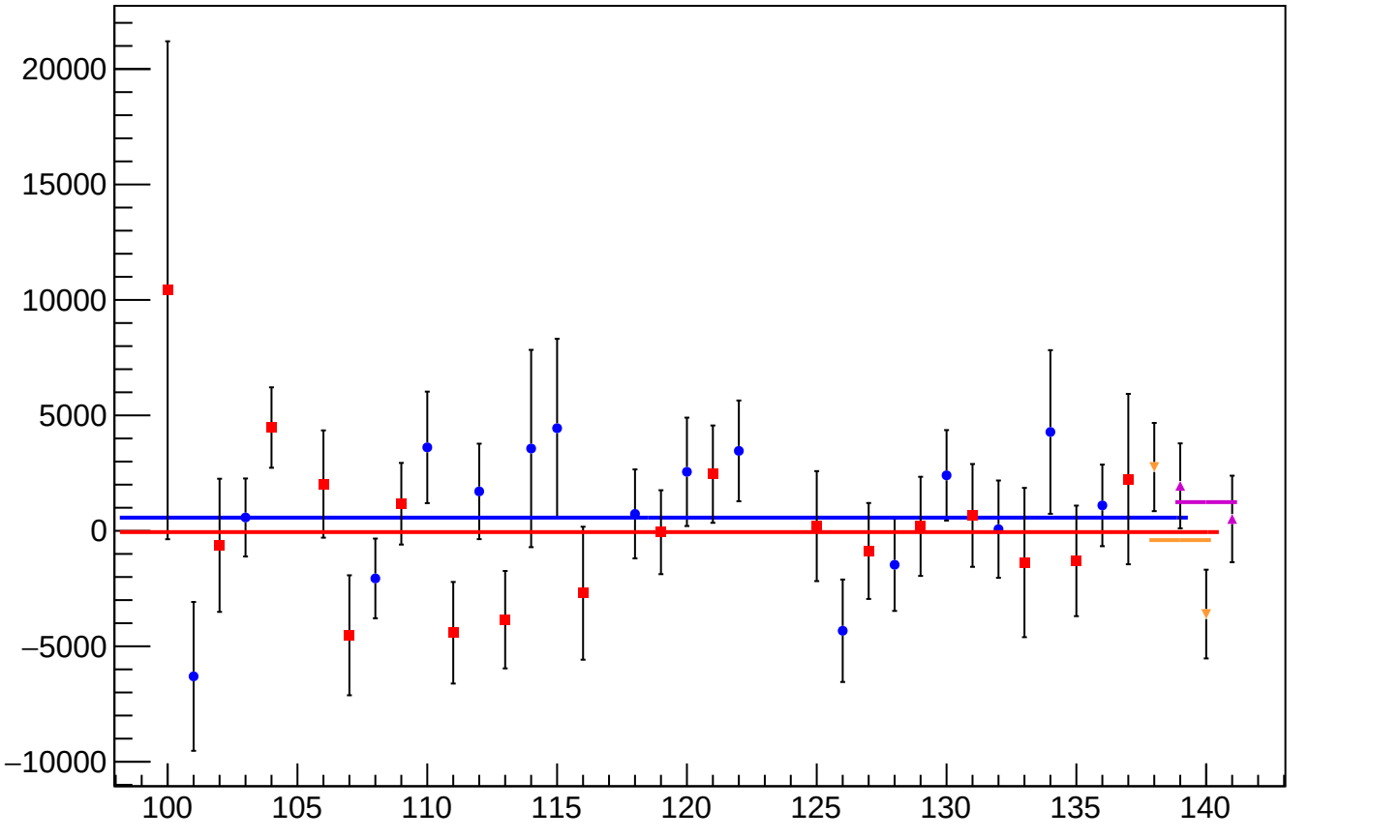
Left: 532.107+/-0.207 χ^2/NDF: 16178.4/3

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 578.458+/-0.156 χ^2/NDF:3902227.7/17

Out: 440.393+/-0.125 χ^2/NDF:4956994.1/19

All: 494.201+/-0.098 χ^2/NDF: 9334726.7/37



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -401.538+/-1354.902 χ^2/NDF:5.5/1

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 1243.809+/-1312.917 χ^2/NDF:0.3/1

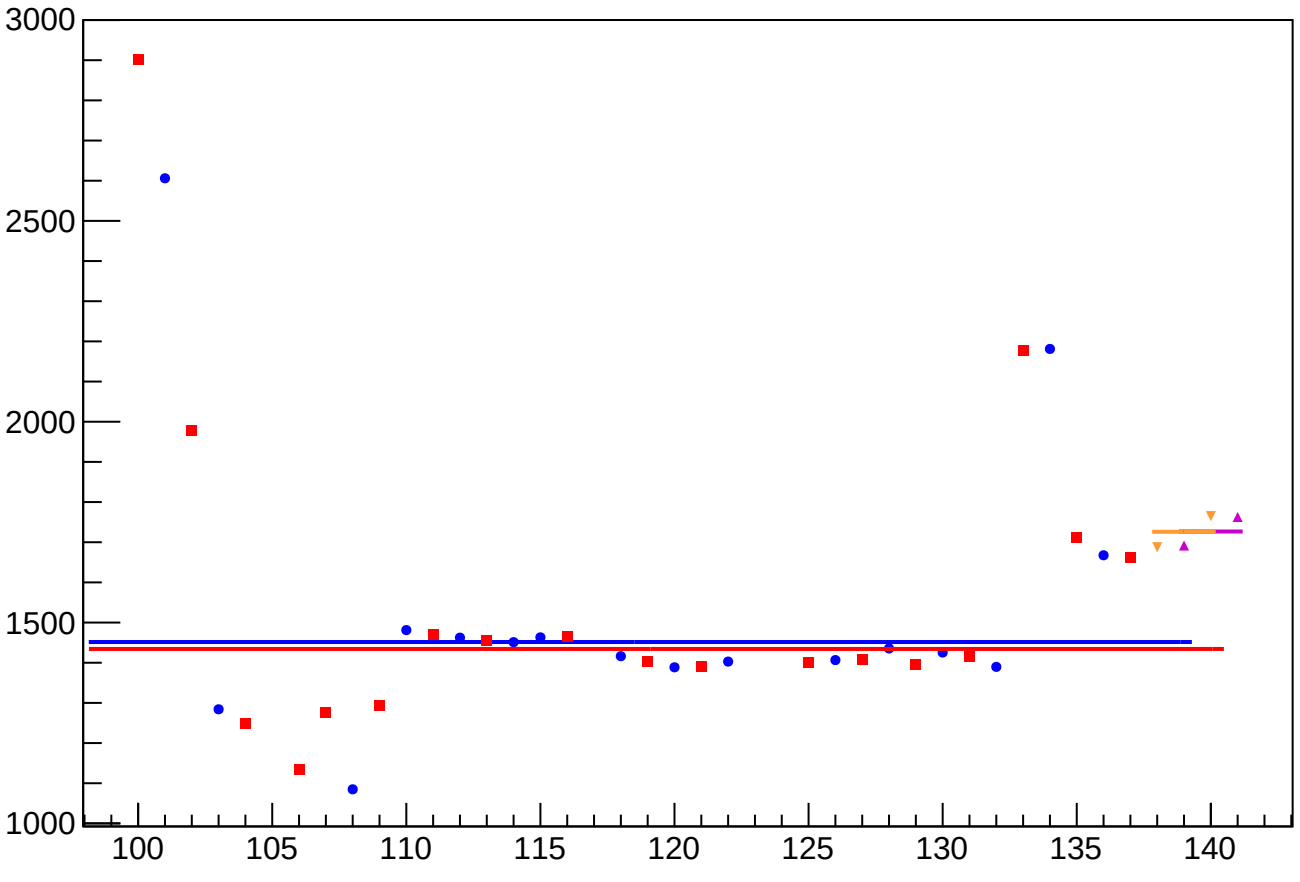
Left: 447.024+/-942.866 χ^2/NDF: 6.6/3

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 672.429+/-507.002 χ^2/NDF:21.3/17

Out: -102.241+/-505.909 χ^2/NDF:28.1/19

All: 284.258+/-358.118 χ^2/NDF: 50.6/37



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1726.014+/-0.958 χ^2/NDF:1632.0/1

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1726.722+/-0.928 χ^2/NDF:1463.7/1

Left: 1726.379+/-0.667 χ^2/NDF: 3096.0/3

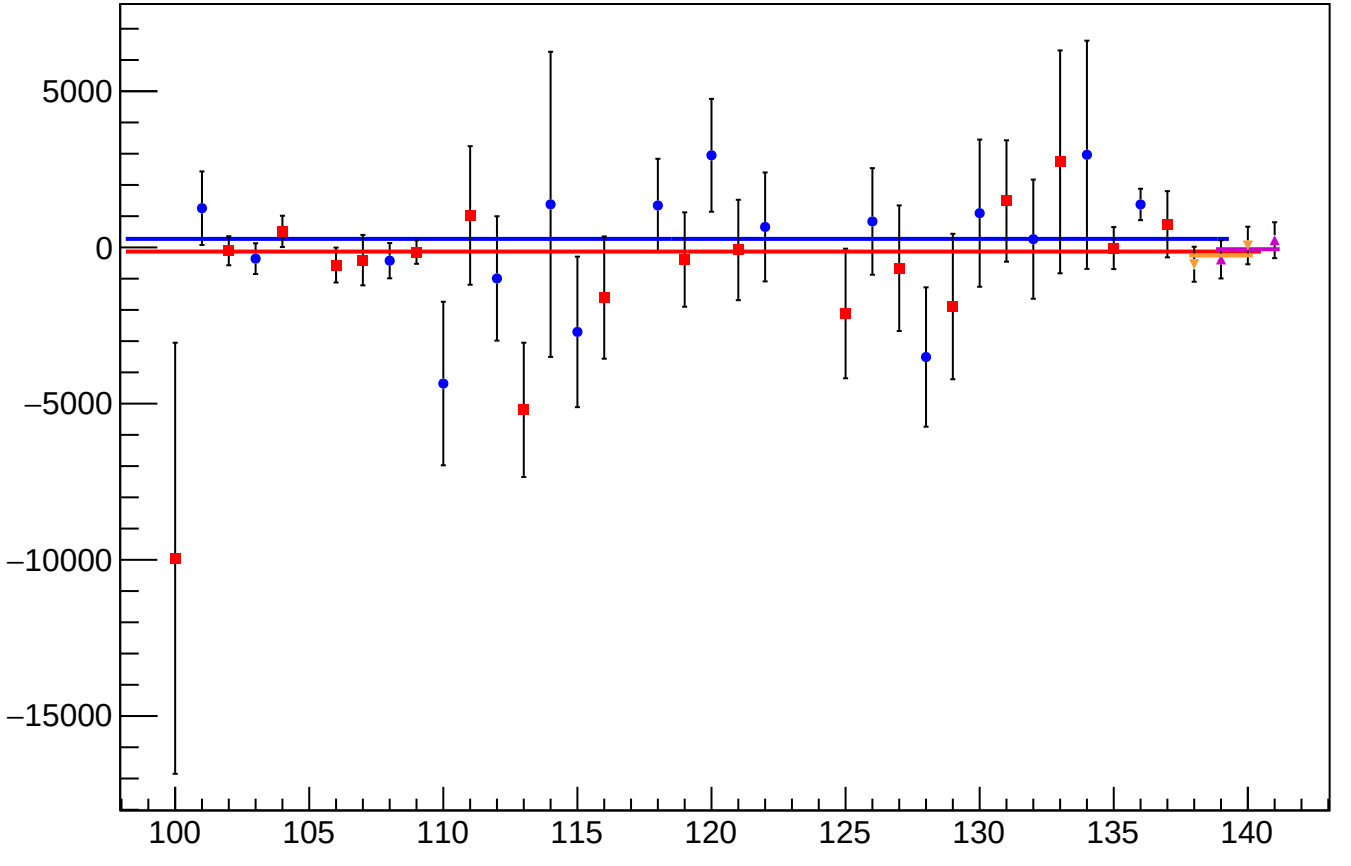
Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1492.609+/-0.359 χ^2/NDF:564037.4/17

Out: 1474.989+/-0.358 χ^2/NDF:409995.4/19

All: 1483.780+/-0.253 χ^2/NDF: 975243.3/37

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -259.151+/-409.803 χ^2/NDF:0.5/1

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -56.825+/-418.651 χ^2/NDF:0.5/1

Left: -160.149+/-292.852 χ^2/NDF: 1.2/3

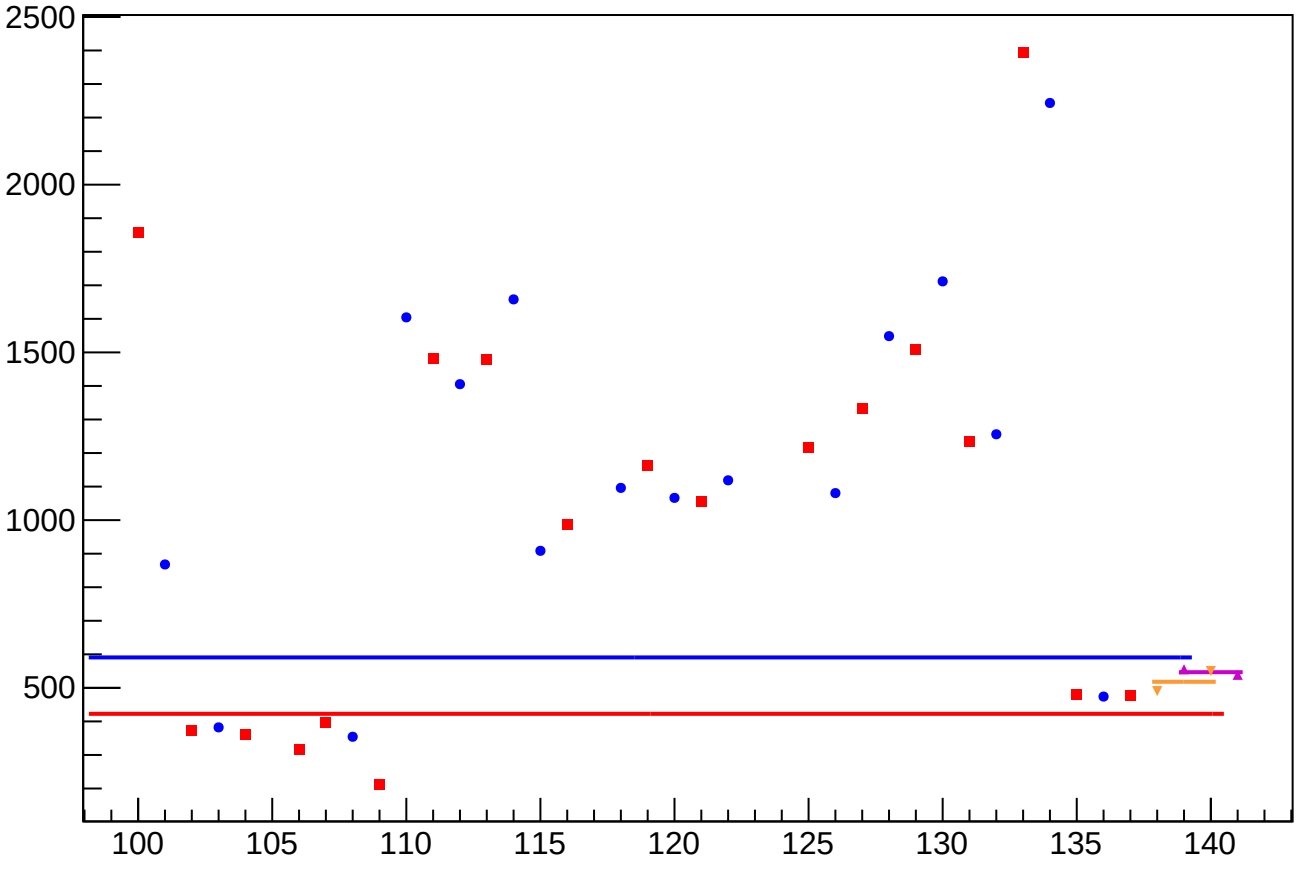
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 181.233+/-221.200 χ^2/NDF:21.2/17

Out: -156.120+/-176.769 χ^2/NDF:15.0/19

All: -24.643+/-138.092 χ^2/NDF: 37.7/37

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 518.118+/-0.290 χ^2/NDF:10615.6/1

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 546.740+/-0.296 χ^2/NDF:784.3/1

Left: 532.123+/-0.207 χ^2/NDF: 16173.9/3

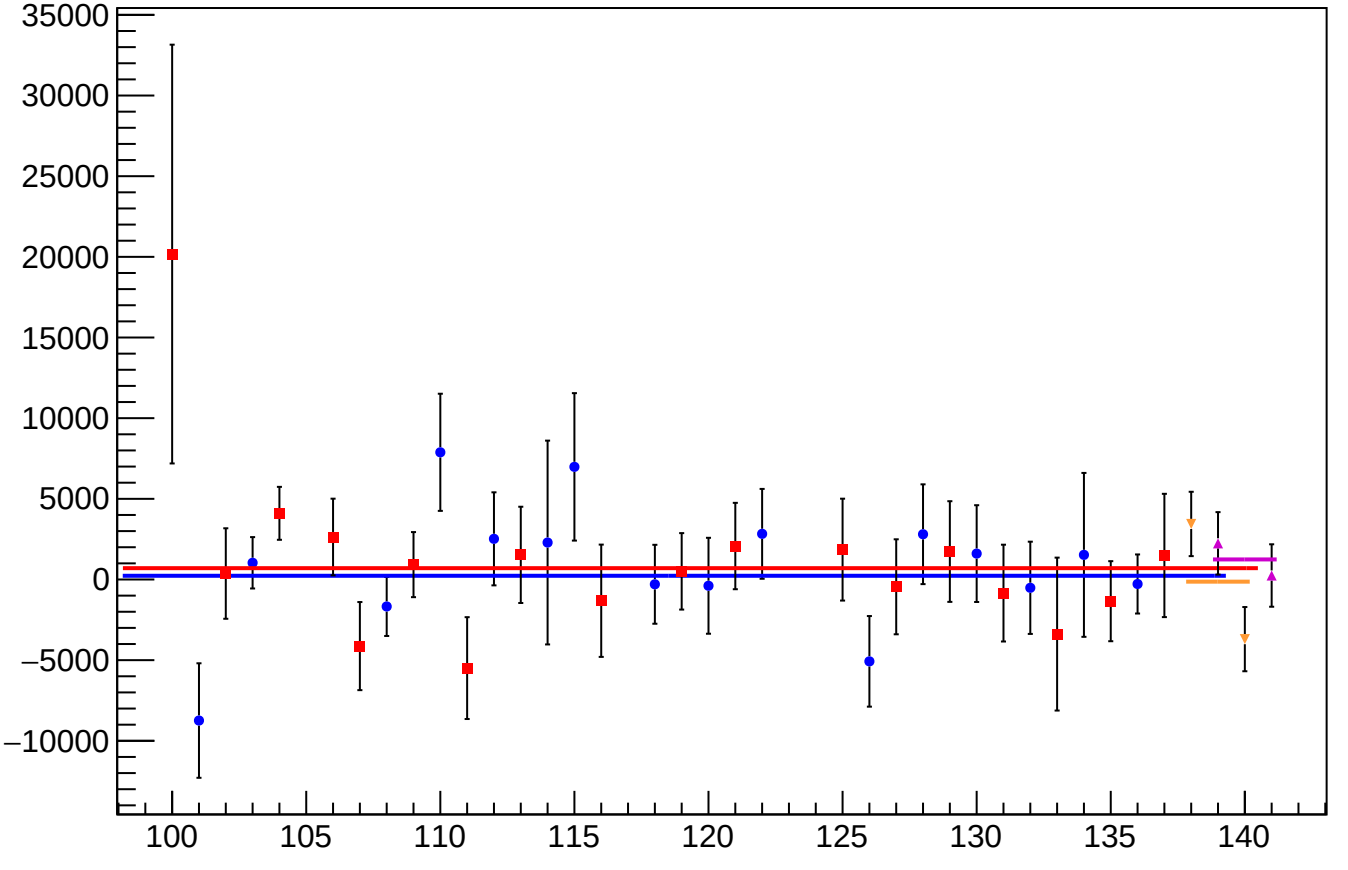
Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 578.462+/-0.156 χ^2/NDF:3902244.6/17

Out: 440.400+/-0.125 χ^2/NDF:4956922.8/19

All: 494.207+/-0.098 χ^2/NDF: 9334639.6/37

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -134.223+/-1408.725 χ^2/NDF:6.4/1

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 1243.598+/-1368.459 χ^2/NDF:0.5/1

Left: 574.660+/-981.573 χ^2/NDF: 7.4/3

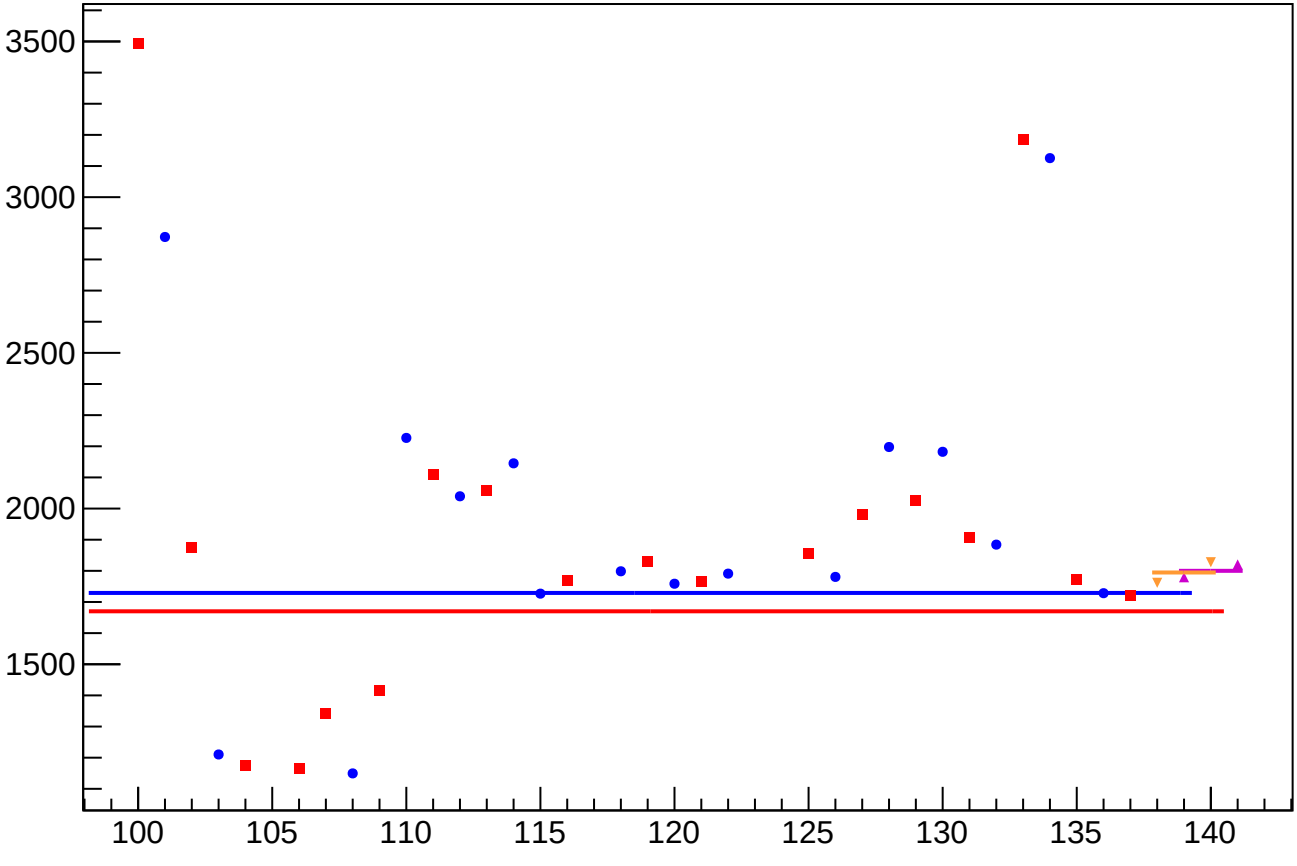
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 424.831+/-599.020 χ^2/NDF:21.7/17

Out: 556.066+/-588.943 χ^2/NDF:23.7/19

All: 491.561+/-419.963 χ^2/NDF: 45.5/37

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1794.709+/-0.996 χ^2/NDF:1097.6/1

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1800.046+/-0.968 χ^2/NDF:454.8/1

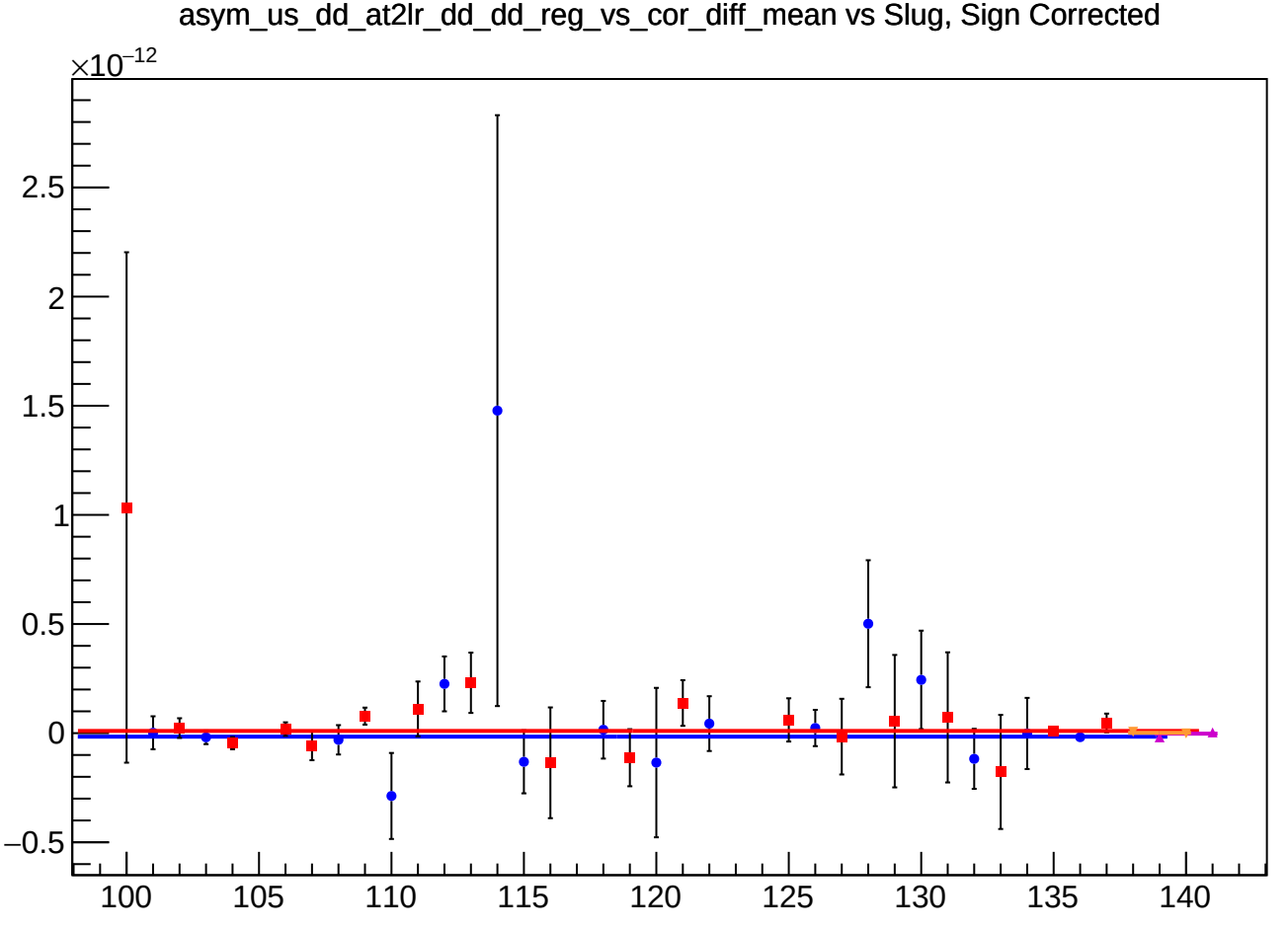
Left: 1797.455+/-0.694 χ^2/NDF: 1567.2/3

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1742.653+/-0.424 χ^2/NDF:946885.6/17

Out: 1691.843+/-0.416 χ^2/NDF:758472.3/19

All: 1716.817+/-0.297 χ^2/NDF: 1712674.7/37



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:1.2/1

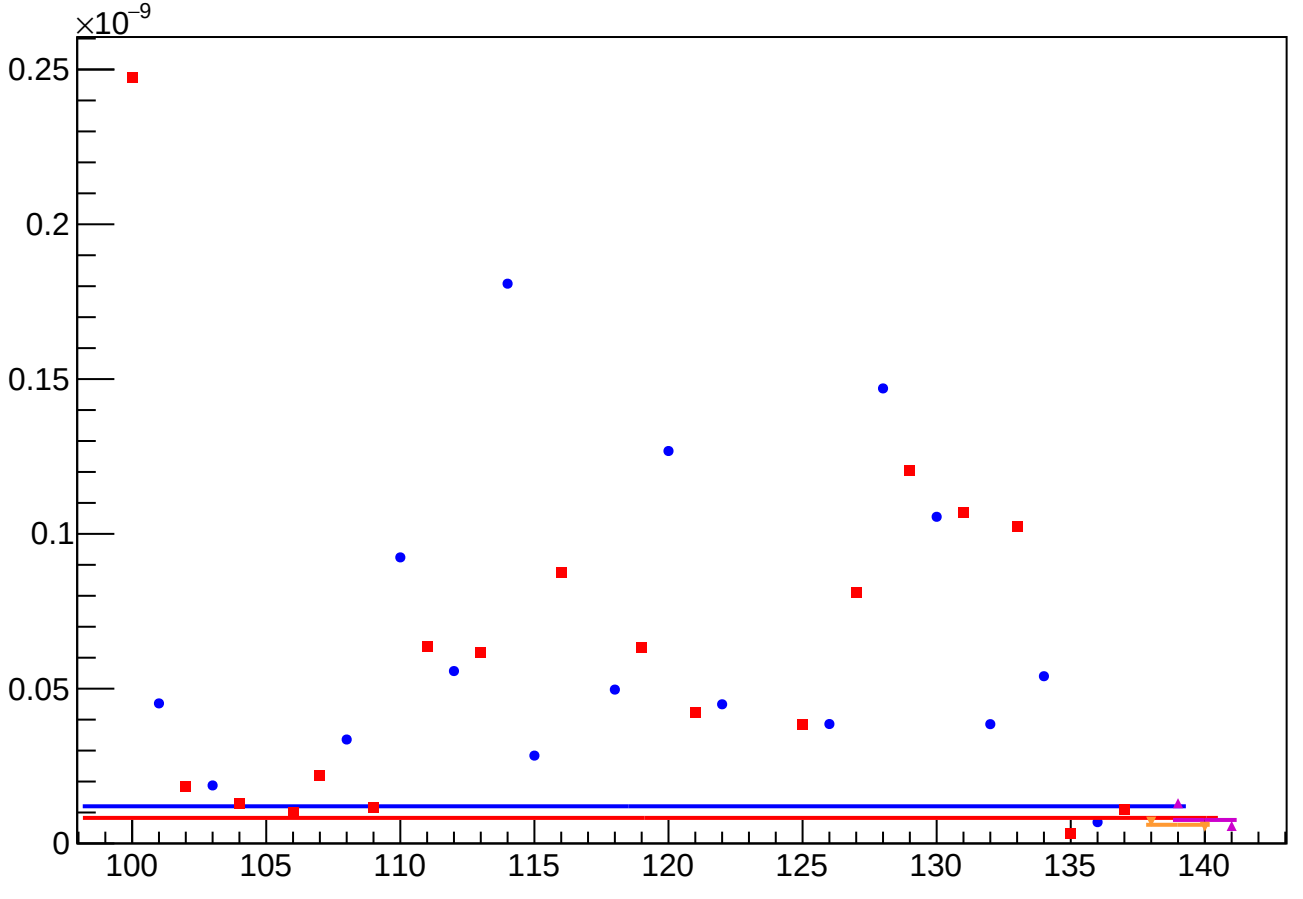
Left: -0.000+/-0.000 χ^2/NDF: 1.6/3

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:15.5/17

Out: 0.000+/-0.000 χ^2/NDF:17.2/19

All: -0.000+/-0.000 χ^2/NDF: 35.1/37



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:21384.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:262921.1/1

Left: 0.000+/-0.000 χ^2/NDF: 318813.5/3

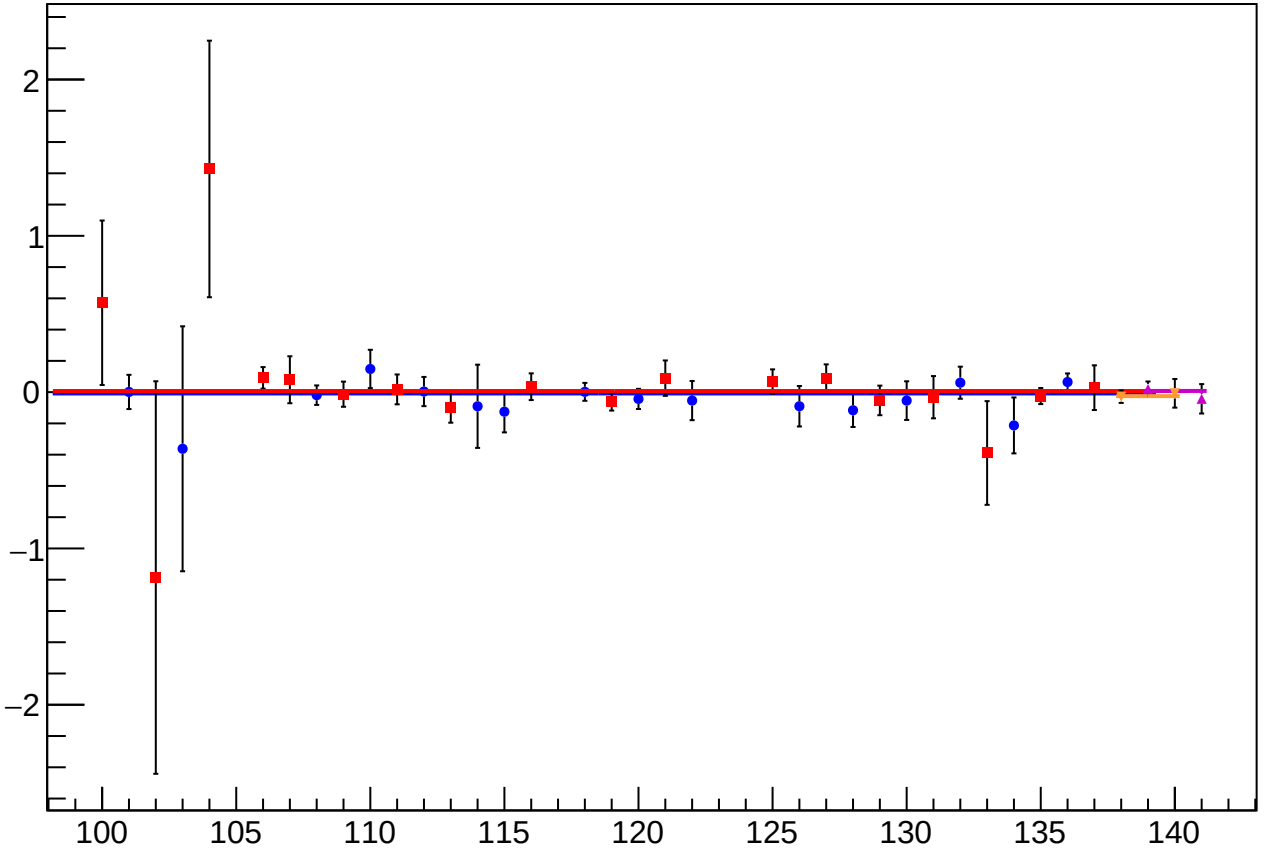
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:3899698.6/17

Out: 0.000+/-0.000 χ^2/NDF:3603810.6/19

All: 0.000+/-0.000 χ^2/NDF: 7657089.6/37

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.026+/-0.037 χ^2/NDF:0.0/1

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.042 χ^2/NDF:0.4/1

Left: -0.011+/-0.028 χ^2/NDF: 0.8/3

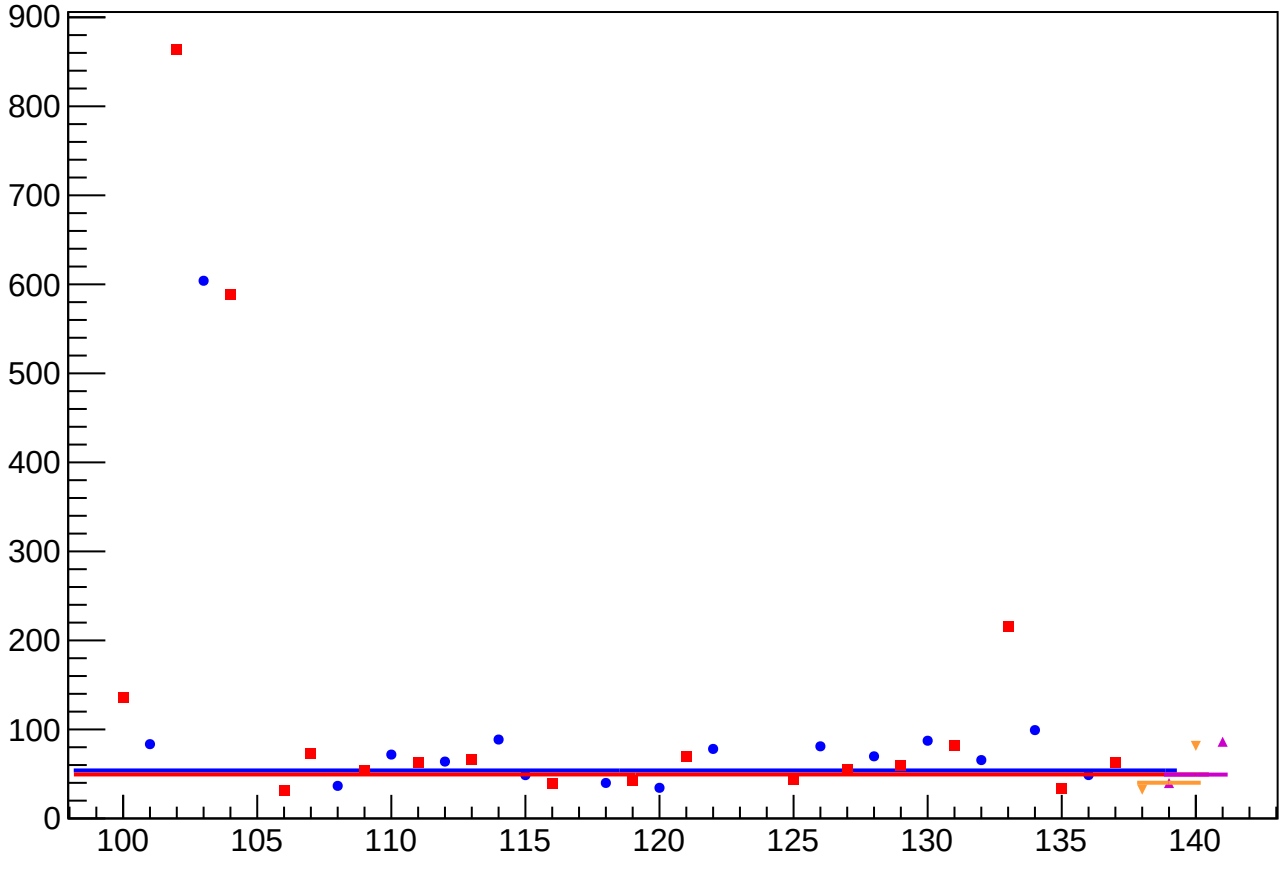
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.020 χ^2/NDF:8.8/17

Out: -0.002+/-0.019 χ^2/NDF:14.3/19

All: -0.003+/-0.014 χ^2/NDF: 23.1/37

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 40.135+/-0.026 χ^2/NDF:486477.6/1

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.274+/-0.030 χ^2/NDF:387259.2/1

Left: 44.028+/-0.020 χ^2/NDF: 926859.3/3

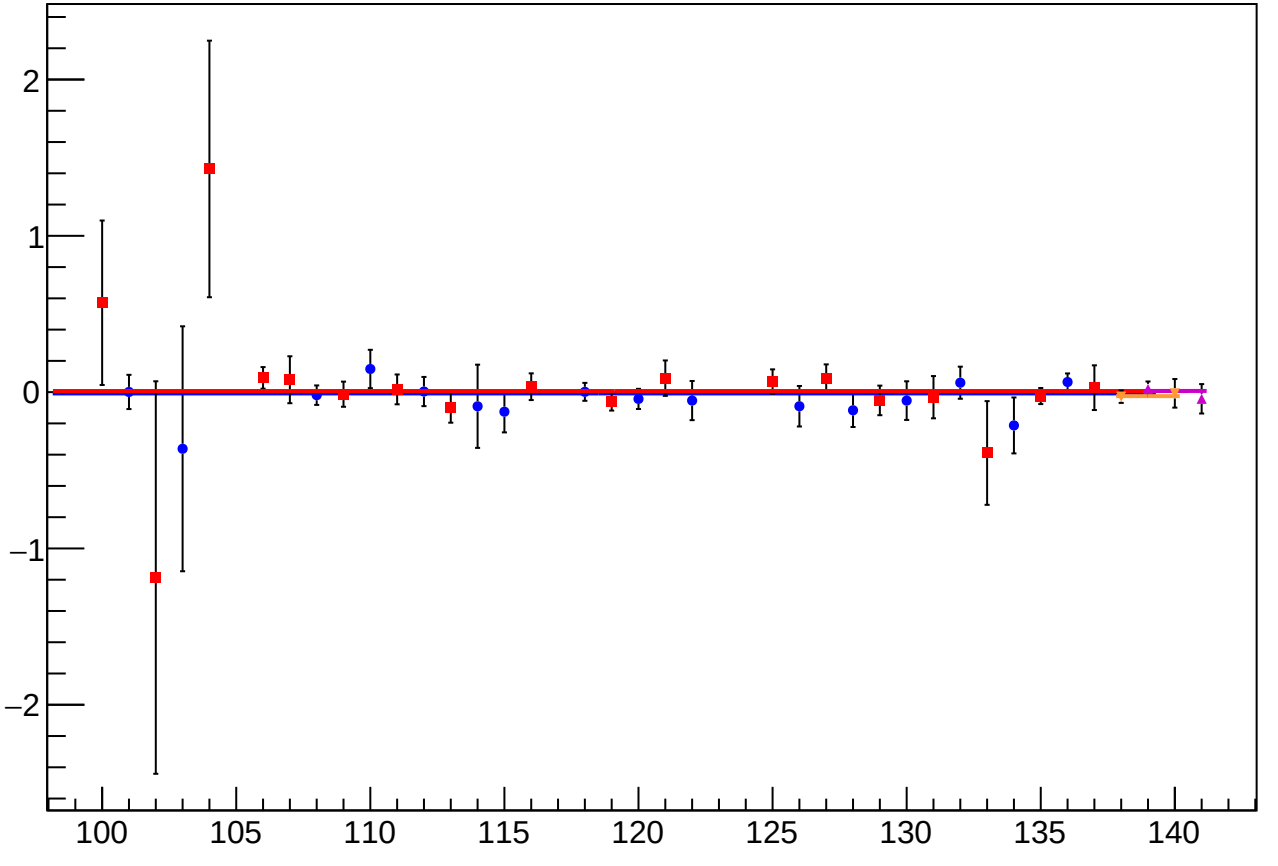
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 52.864+/-0.014 χ^2/NDF:2620118.4/17

Out: 46.918+/-0.013 χ^2/NDF:3598242.8/19

All: 49.694+/-0.010 χ^2/NDF: 6309831.9/37

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.026+/-0.037 χ^2/NDF:0.0/1

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.042 χ^2/NDF:0.4/1

Left: -0.011+/-0.028 χ^2/NDF: 0.8/3

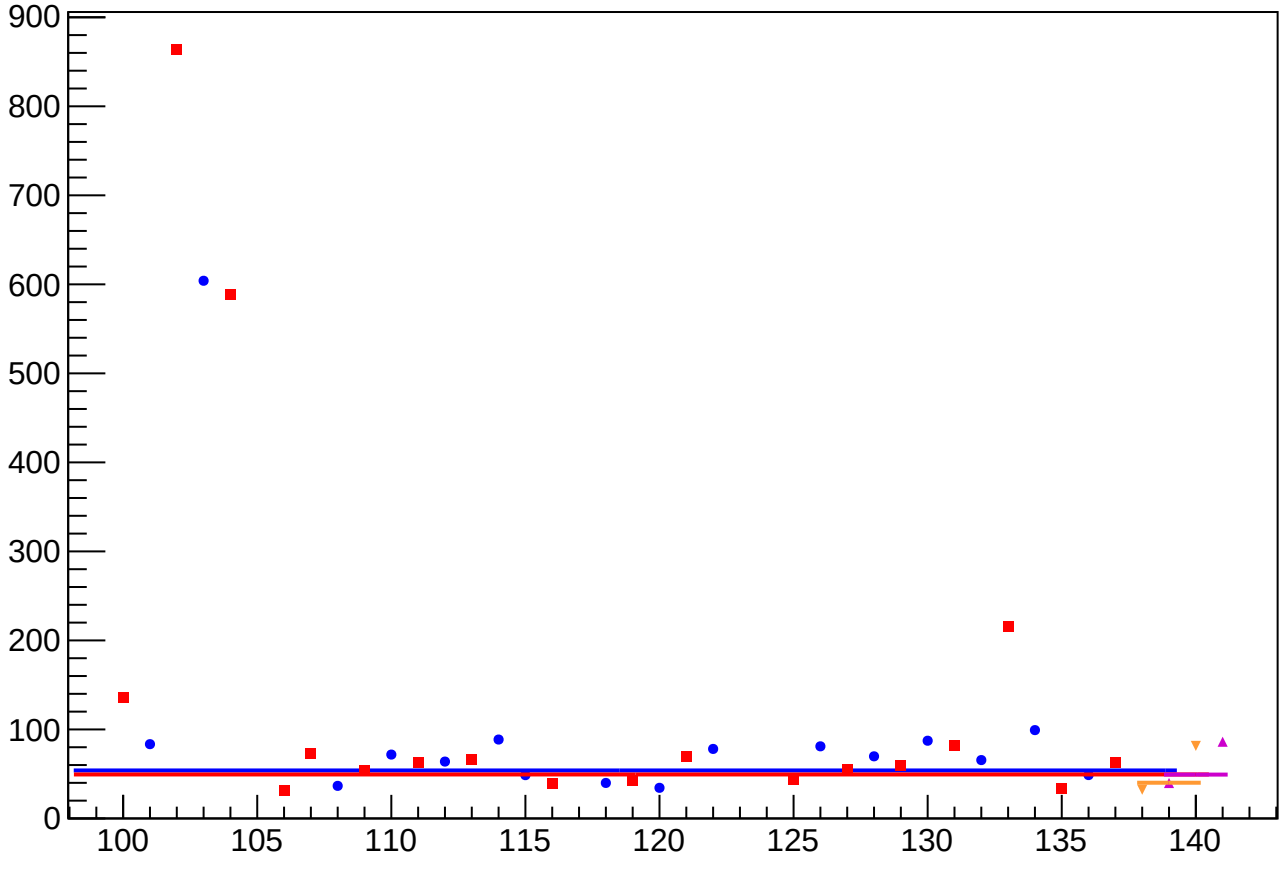
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.020 χ^2/NDF:8.8/17

Out: -0.002+/-0.019 χ^2/NDF:14.3/19

All: -0.003+/-0.014 χ^2/NDF: 23.1/37

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 40.135+/-0.026 χ^2/NDF:486477.6/1

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.274+/-0.030 χ^2/NDF:387259.2/1

Left: 44.028+/-0.020 χ^2/NDF: 926859.3/3

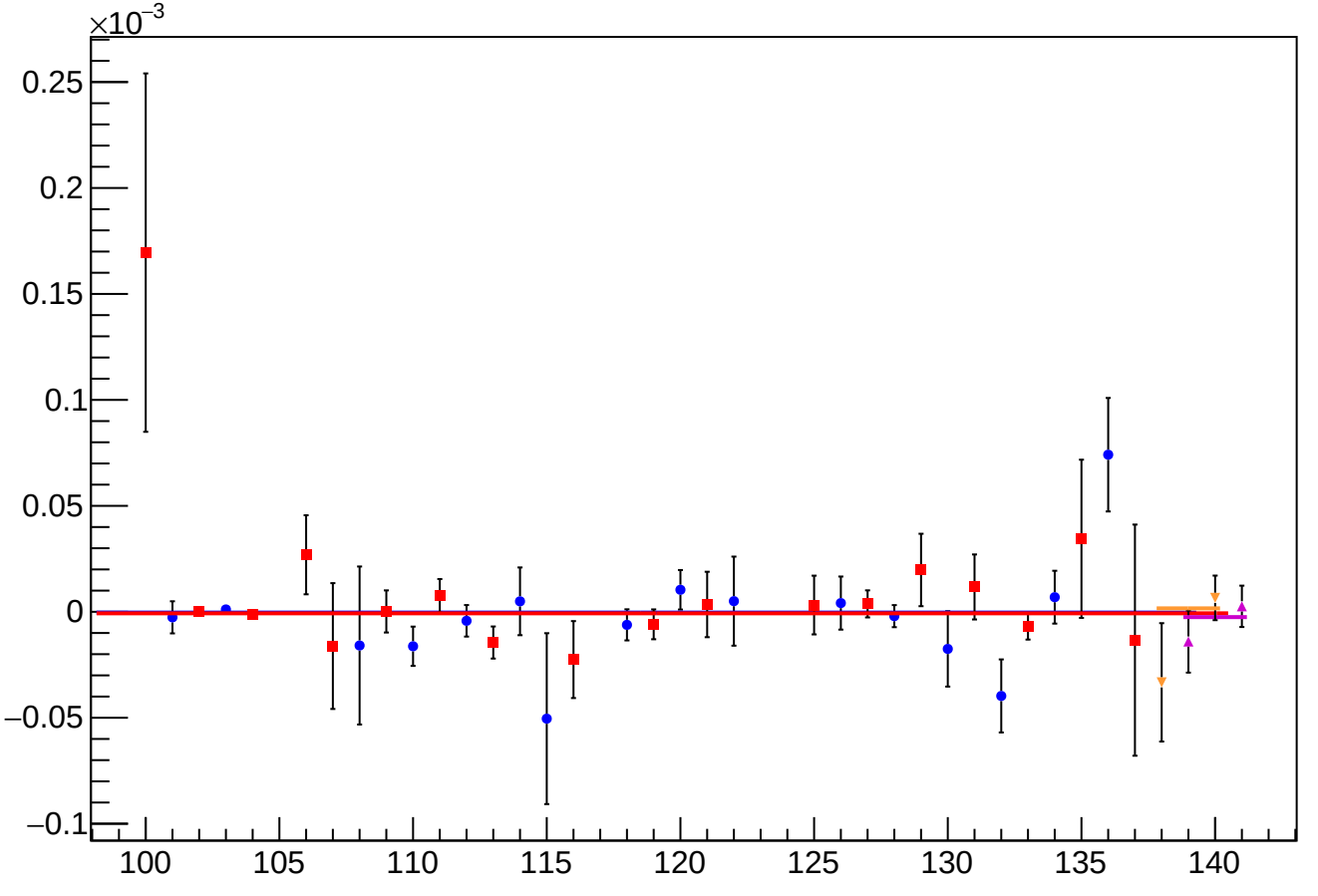
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 52.864+/-0.014 χ^2/NDF:2620118.4/17

Out: 46.918+/-0.013 χ^2/NDF:3598242.8/19

All: 49.694+/-0.010 χ^2/NDF: 6309831.9/37

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

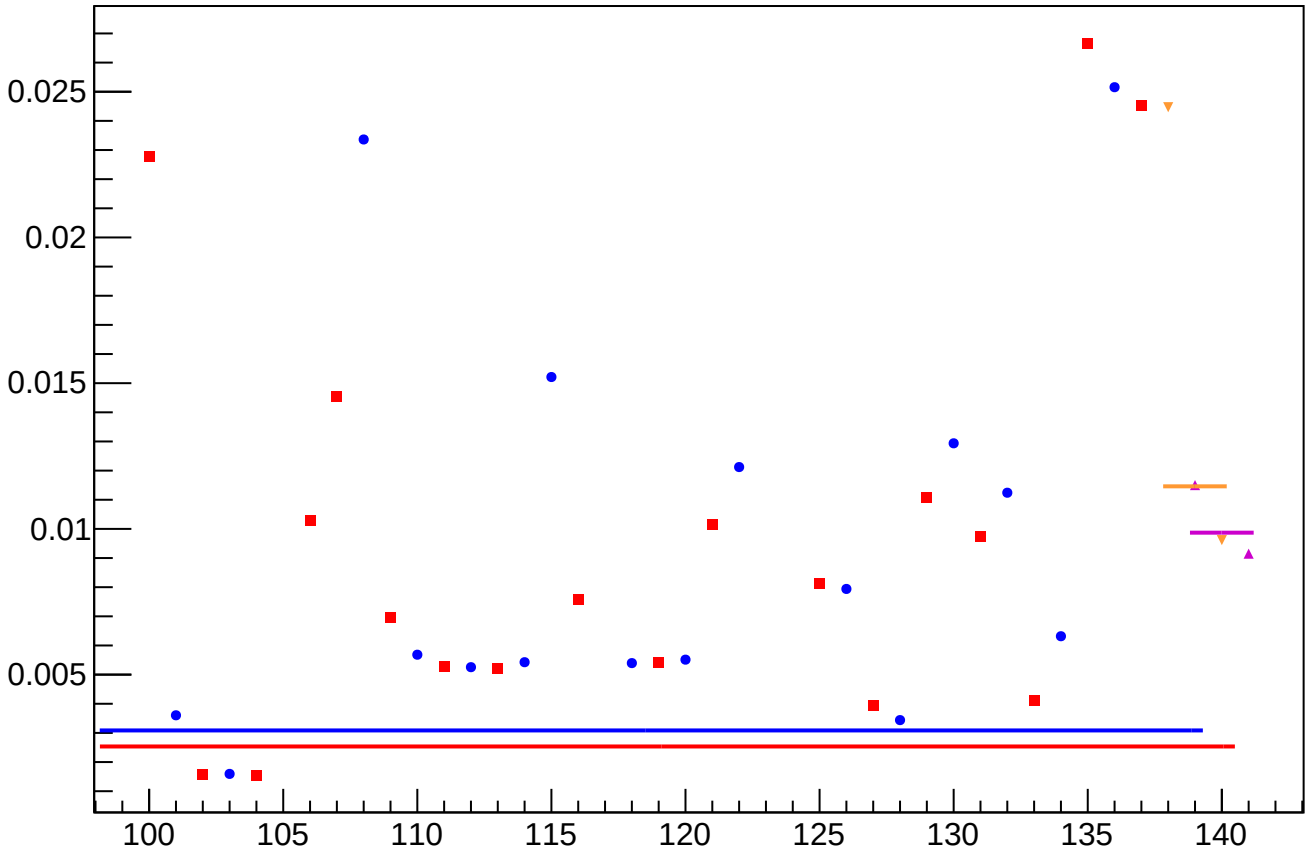
Left: -0.000+/-0.000 χ^2/NDF: 2.8/3

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:23.1/17

Out: -0.000+/-0.000 χ^2/NDF:19.7/19

All: -0.000+/-0.000 χ^2/NDF: 42.8/37



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.011+/-0.000 χ^2/NDF:495593.3/1

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.010+/-0.000 χ^2/NDF:35630.2/1

Left: 0.011+/-0.000 χ^2/NDF: 562246.2/3

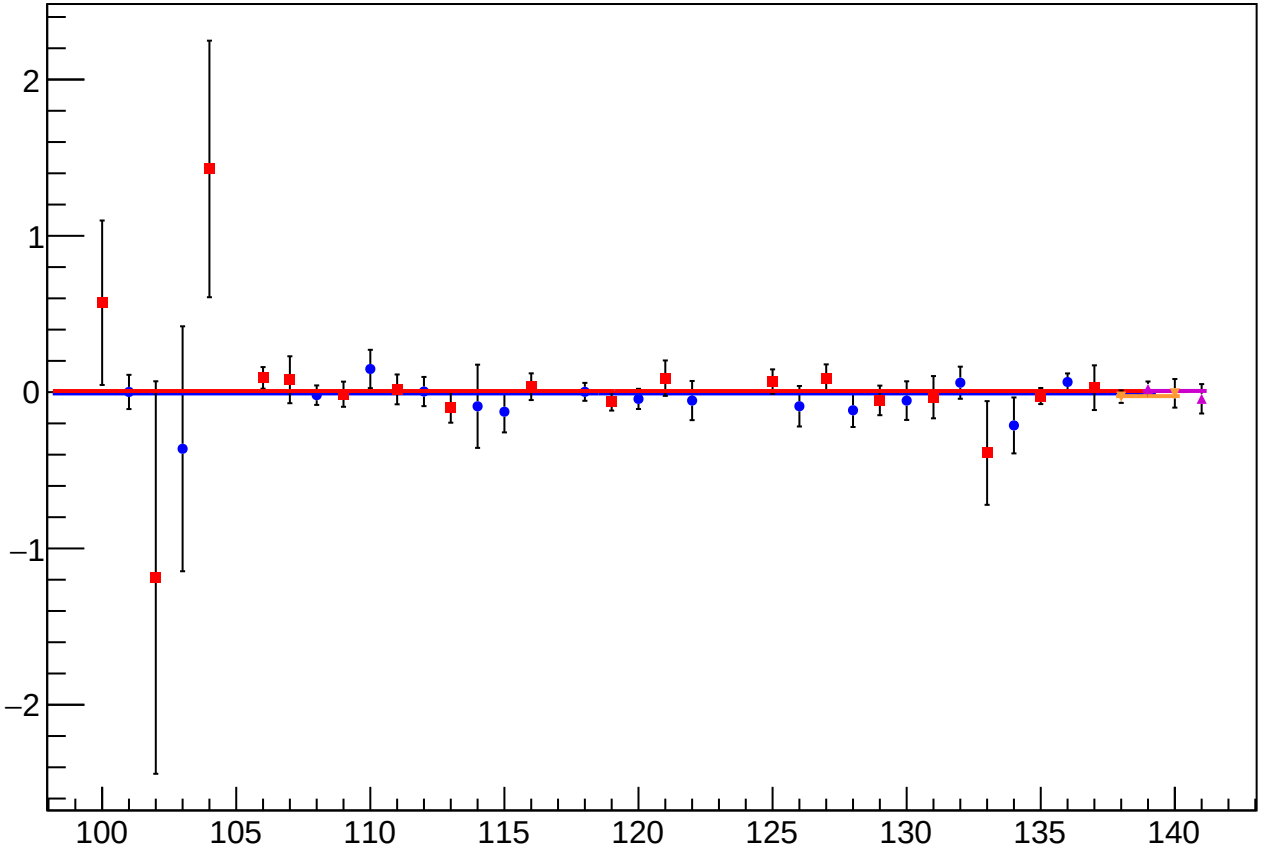
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.003+/-0.000 χ^2/NDF:7155935.0/17

Out: 0.003+/-0.000 χ^2/NDF:8350844.6/19

All: 0.003+/-0.000 χ^2/NDF: 15721277.6/37

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.026+/-0.037 χ^2/NDF:0.0/1

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.042 χ^2/NDF:0.4/1

Left: -0.011+/-0.028 χ^2/NDF: 0.8/3

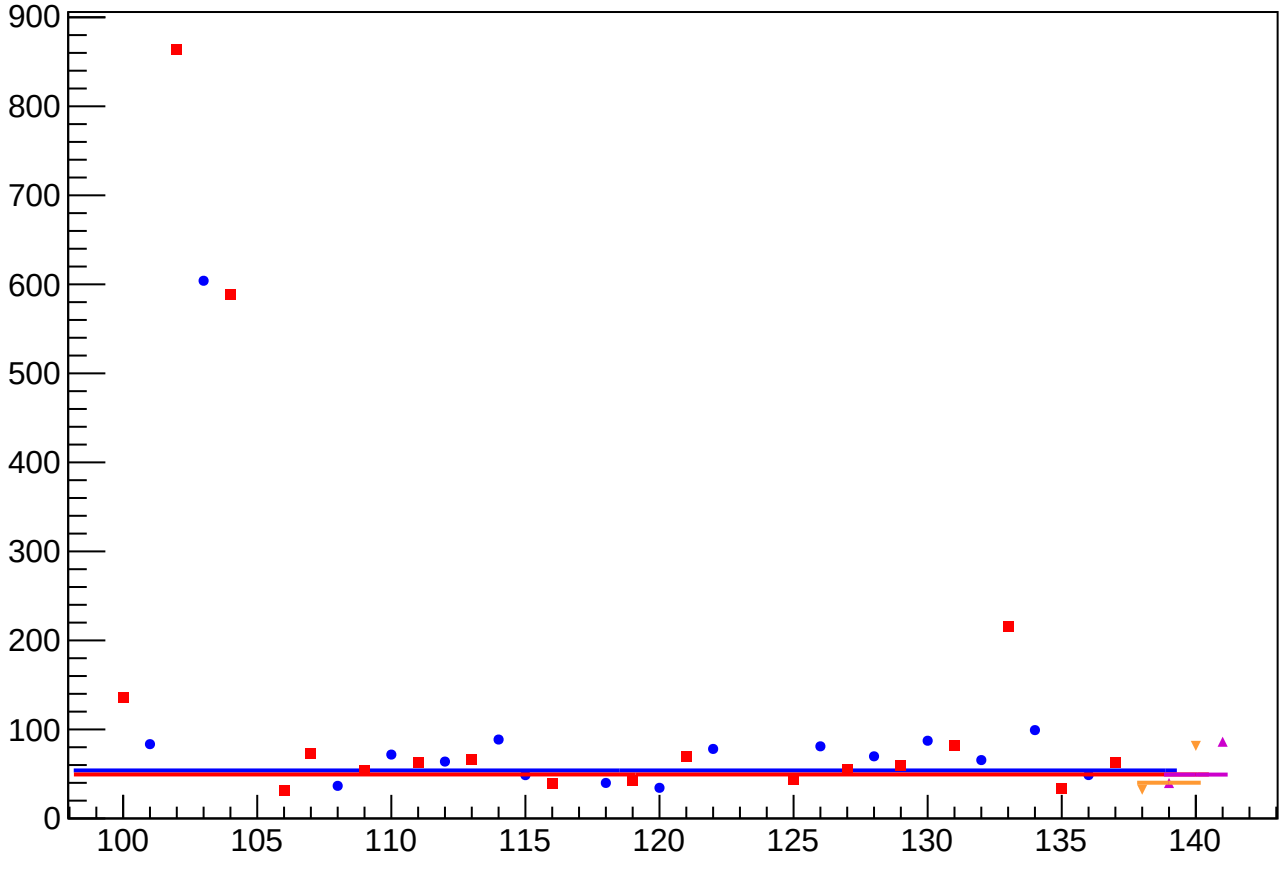
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.020 χ^2/NDF:8.8/17

Out: -0.002+/-0.019 χ^2/NDF:14.3/19

All: -0.003+/-0.014 χ^2/NDF: 23.1/37

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 40.144+/-0.026 χ^2/NDF:486366.8/1

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.277+/-0.030 χ^2/NDF:387286.6/1

Left: 44.035+/-0.020 χ^2/NDF: 926688.9/3

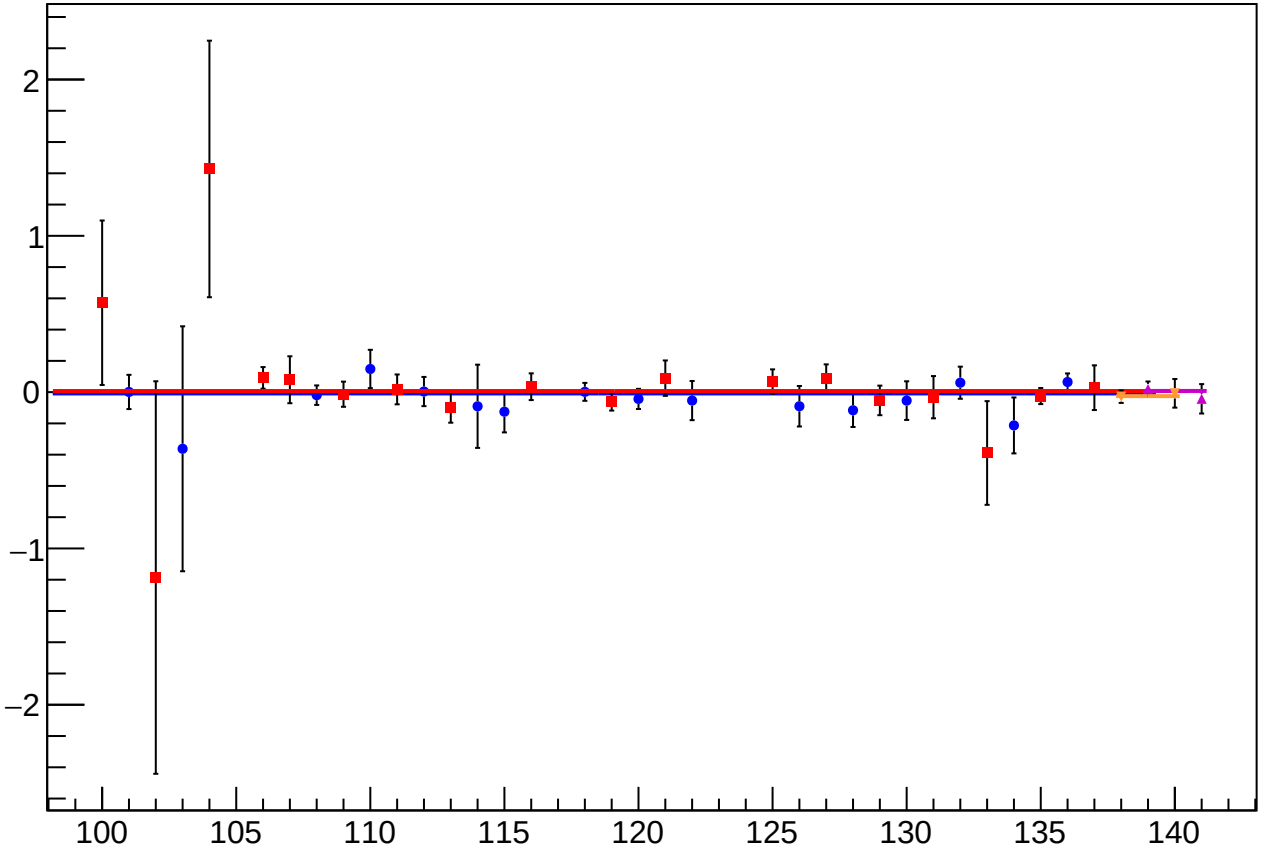
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 52.867+/-0.014 χ^2/NDF:2619747.7/17

Out: 46.923+/-0.013 χ^2/NDF:3597677.8/19

All: 49.698+/-0.010 χ^2/NDF: 6308847.2/37

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: -0.026+/-0.037 χ^2/NDF:0.0/1

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.042 χ^2/NDF:0.4/1

Left: -0.011+/-0.028 χ^2/NDF: 0.8/3

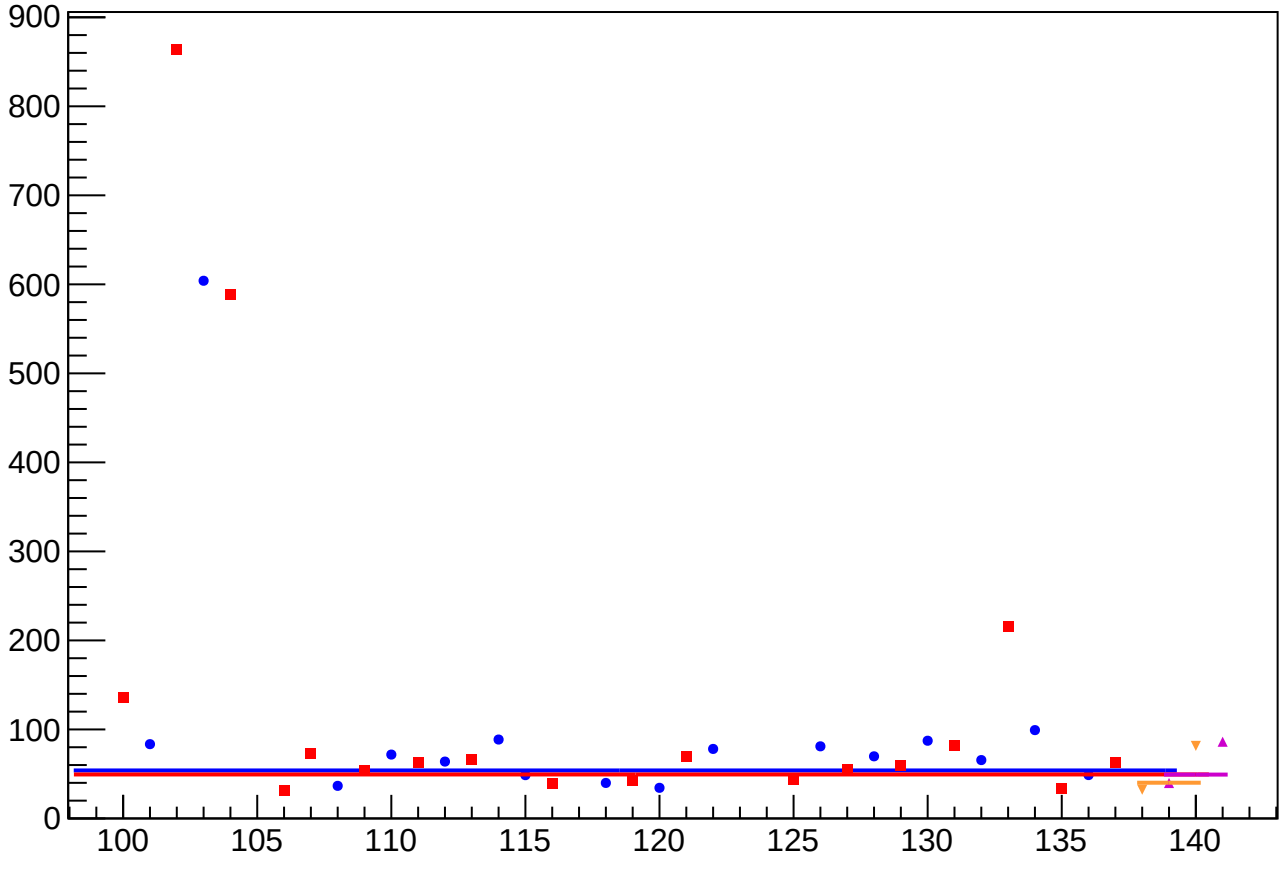
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.020 χ^2/NDF:8.8/17

Out: -0.002+/-0.019 χ^2/NDF:14.3/19

All: -0.003+/-0.014 χ^2/NDF: 23.1/37

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 40.144+/-0.026 χ^2/NDF:486366.8/1

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.277+/-0.030 χ^2/NDF:387286.6/1

Left: 44.035+/-0.020 χ^2/NDF: 926688.9/3

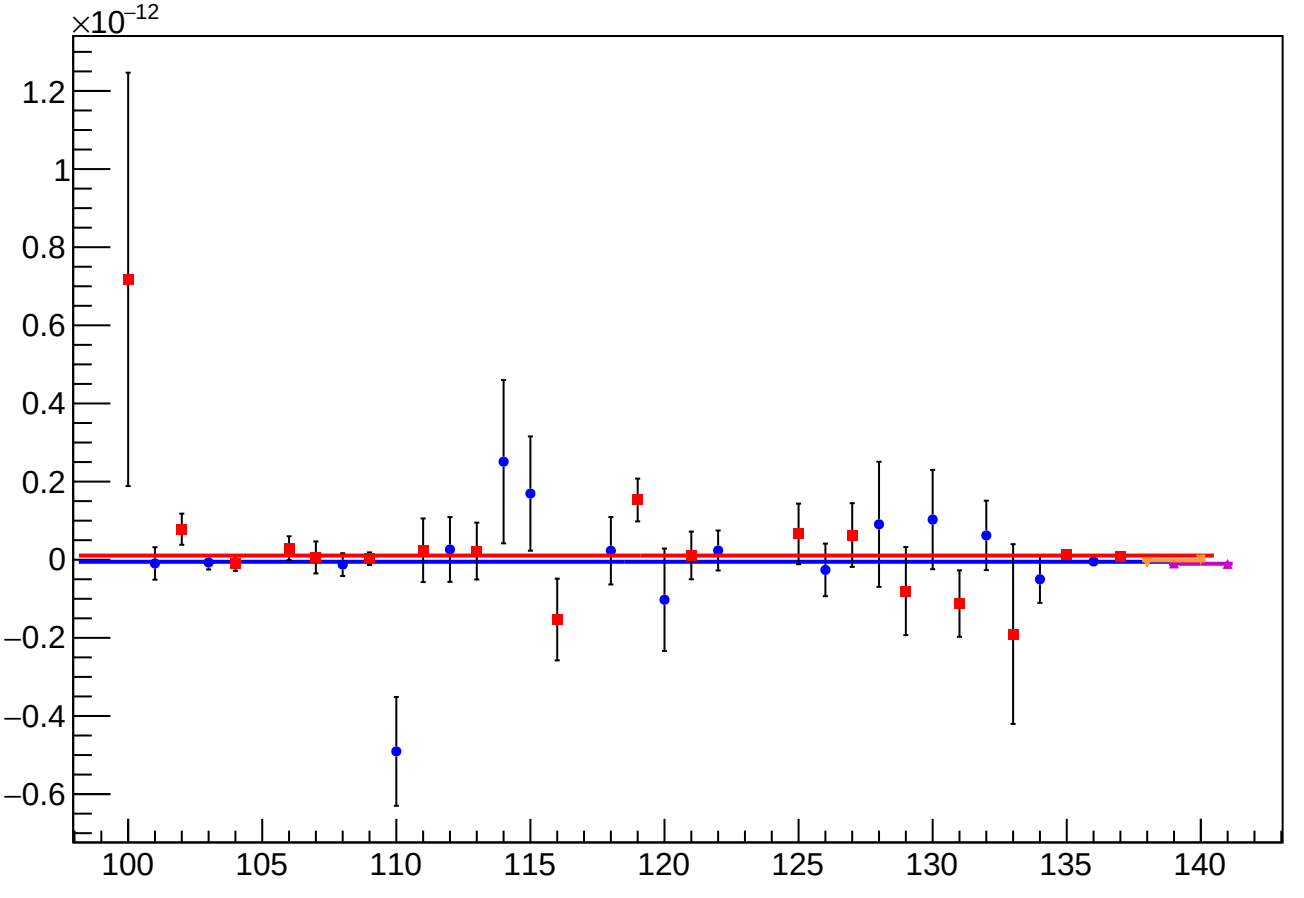
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 52.867+/-0.014 χ^2/NDF:2619747.7/17

Out: 46.923+/-0.013 χ^2/NDF:3597677.8/19

All: 49.698+/-0.010 χ^2/NDF: 6308847.2/37

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

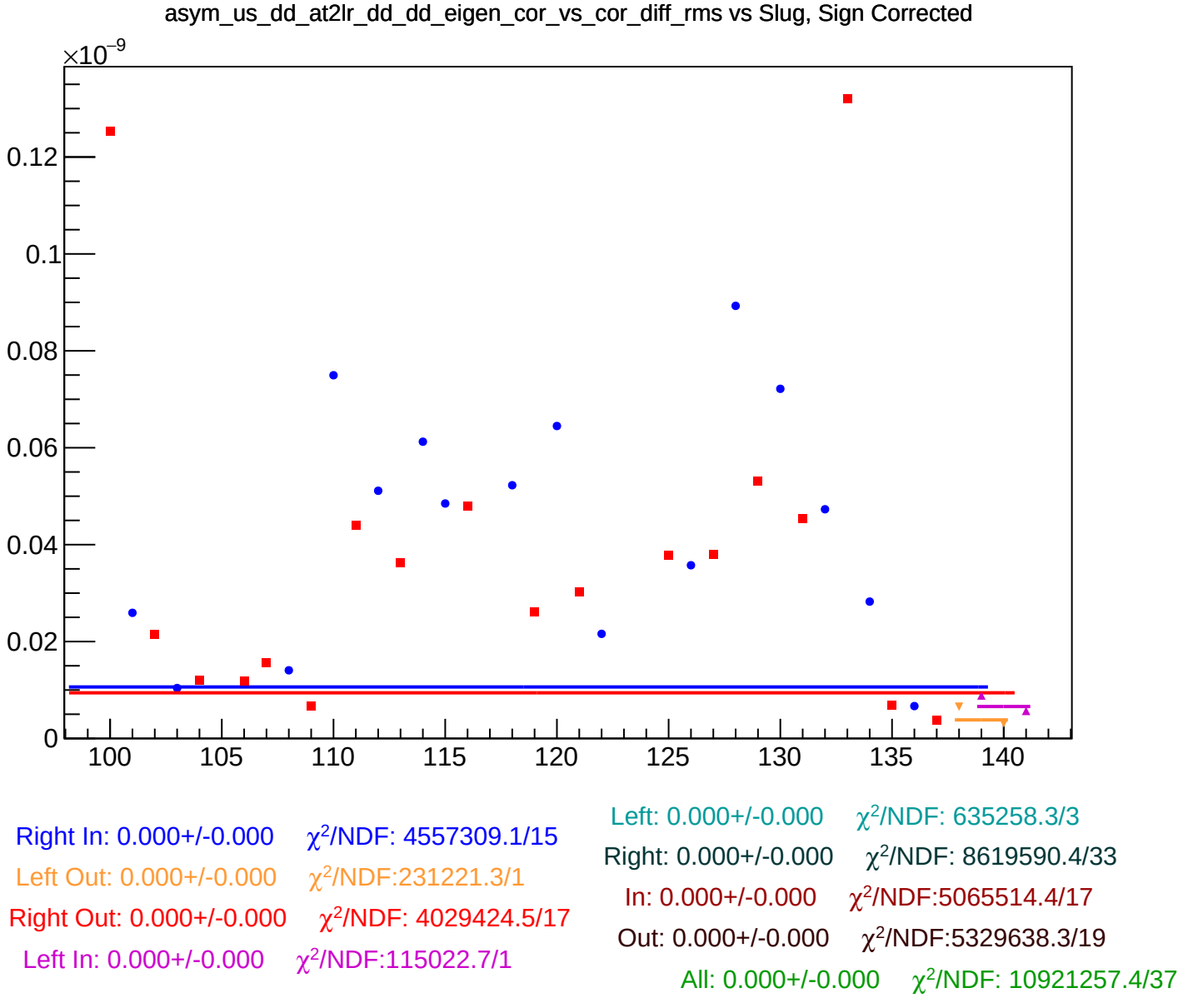
Left: -0.000+/-0.000 χ^2/NDF: 2.2/3

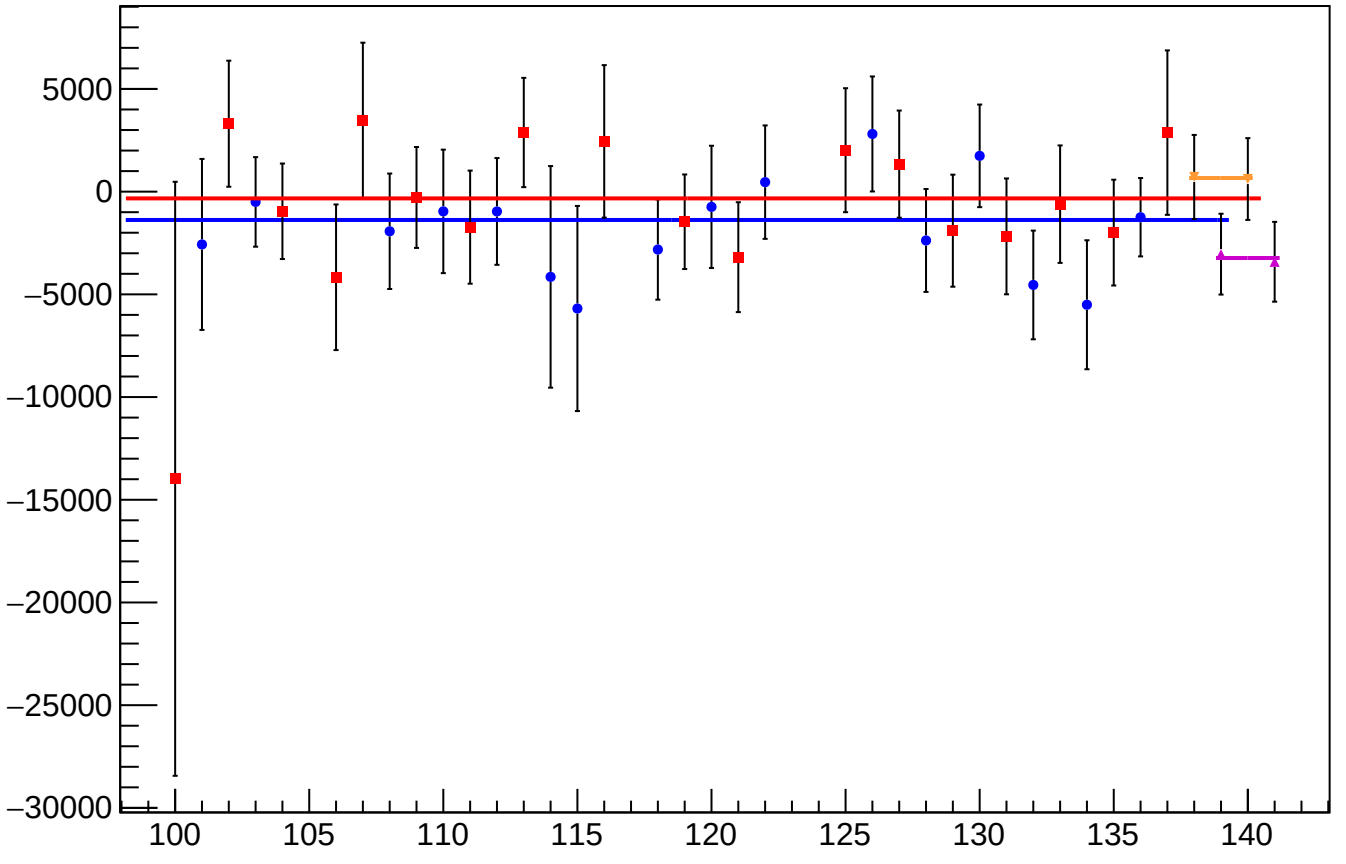
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:18.9/17

Out: 0.000+/-0.000 χ^2/NDF:23.4/19

All: -0.000+/-0.000 χ^2/NDF: 45.4/37


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 4557309.1/15
Left Out: 0.000+/-0.000 χ²/NDF:231221.3/1
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:115022.7/1
Left: 0.000+/-0.000 χ²/NDF: 635258.3/3
Right: 0.000+/-0.000 χ²/NDF: 8619590.4/33
In: 0.000+/-0.000 χ²/NDF:5065514.4/17
Out: 0.000+/-0.000 χ²/NDF:5329638.3/19
All: 0.000+/-0.000 χ²/NDF: 10921257.4/37



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 663.442+/-1426.856 χ^2/NDF:0.0/1

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -3230.694+/-1382.489 χ^2/NDF:0.0/1

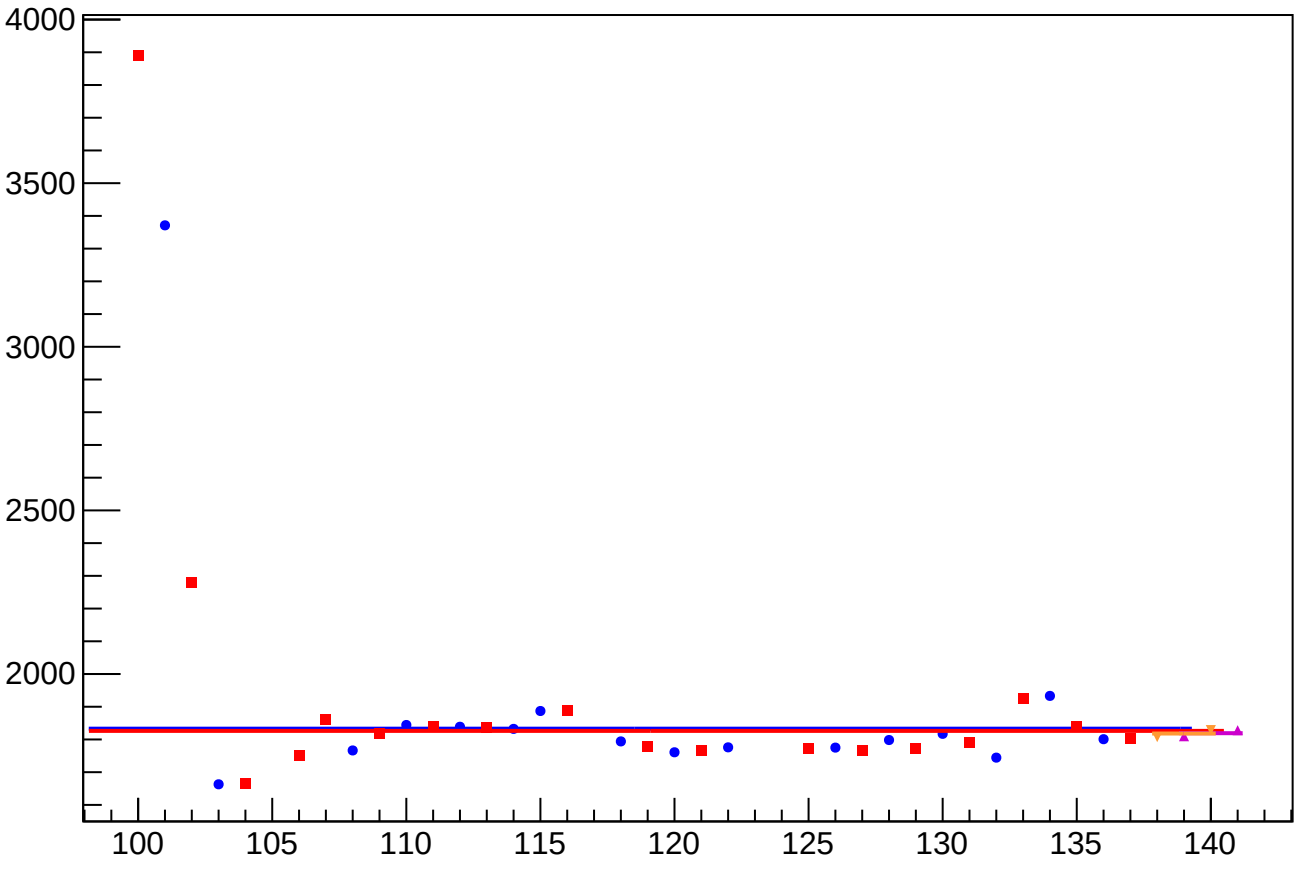
Left: -1345.109+/-992.882 χ^2/NDF: 3.9/3

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1747.248+/-616.682 χ^2/NDF:10.8/17

Out: -143.414+/-616.710 χ^2/NDF:11.4/19

All: -945.367+/-436.070 χ^2/NDF: 25.6/37



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1818.151+/-1.009 χ^2/NDF:112.7/1

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1819.180+/-0.978 χ^2/NDF:88.5/1

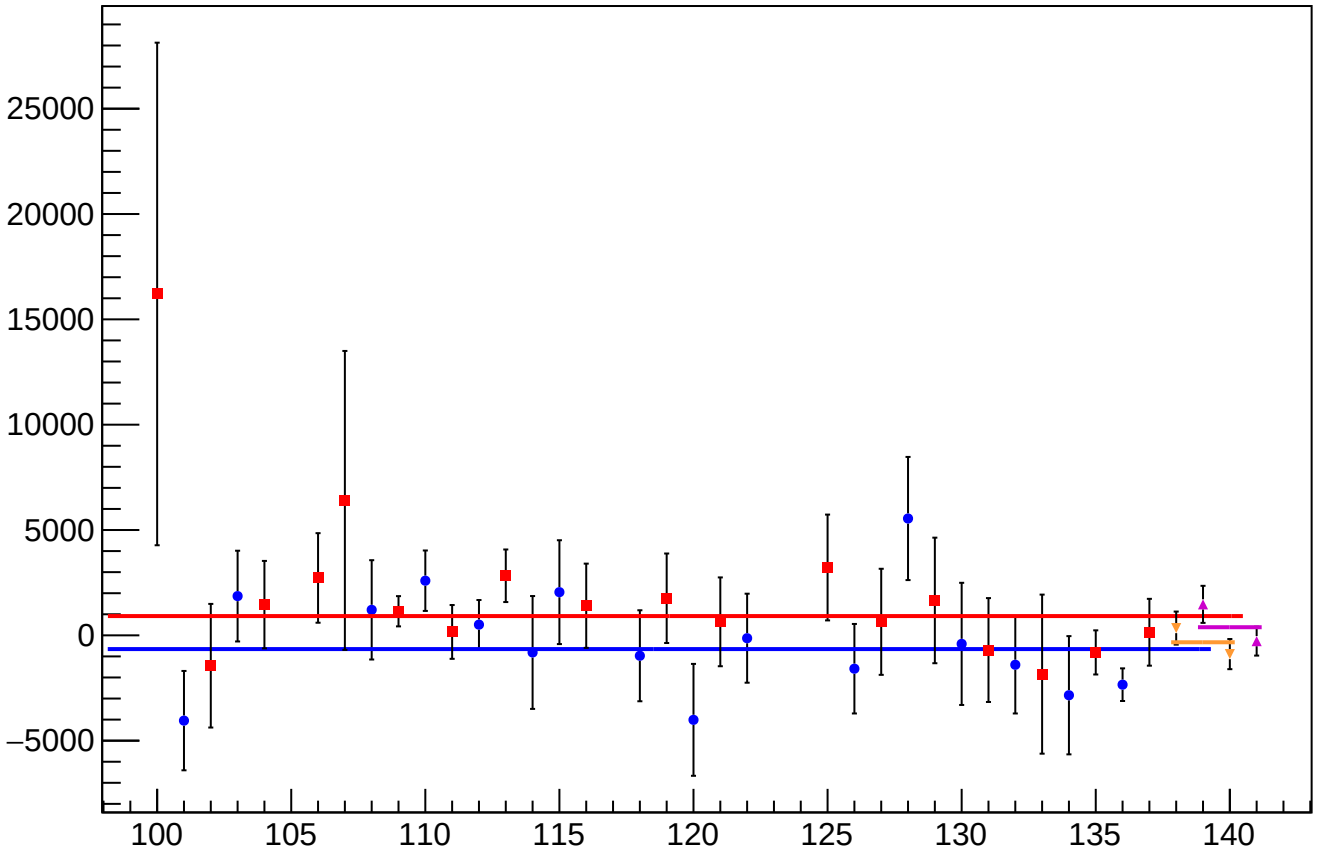
Left: 1818.682+/-0.702 χ^2/NDF: 201.8/3

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1830.208+/-0.436 χ^2/NDF:295686.8/17

Out: 1824.703+/-0.436 χ^2/NDF:103171.1/19

All: 1827.455+/-0.308 χ^2/NDF: 398937.5/37



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -328.896+/-528.561 χ^2/NDF:1.4/1

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 385.724+/-540.884 χ^2/NDF:2.5/1

Left: 20.181+/-378.031 χ^2/NDF: 4.7/3

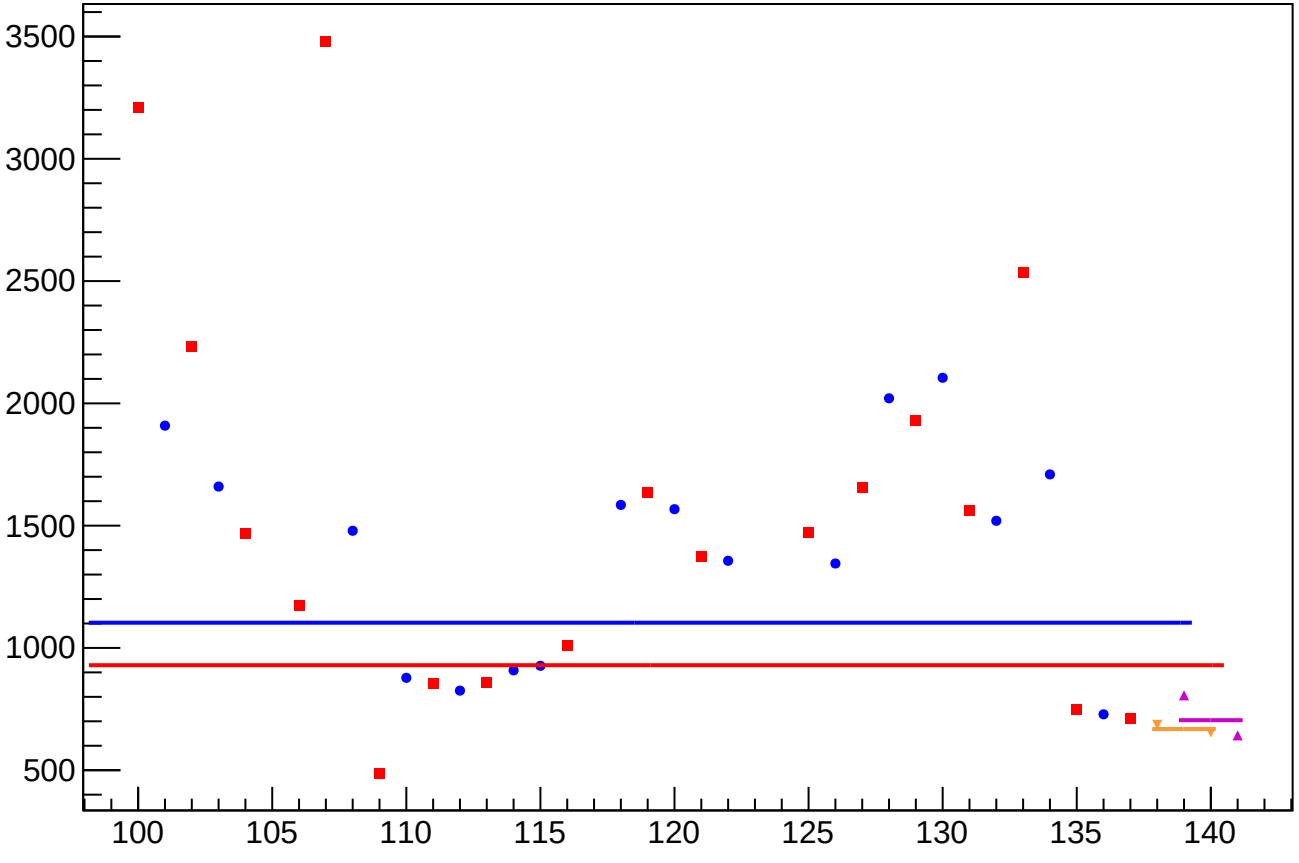
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -236.308+/-342.320 χ^2/NDF:27.9/17

Out: 471.360+/-315.595 χ^2/NDF:16.5/19

All: 146.225+/-232.033 χ^2/NDF: 46.6/37

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 668.463+/-0.374 χ^2/NDF:1728.0/1

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 704.510+/-0.382 χ^2/NDF:43042.9/1

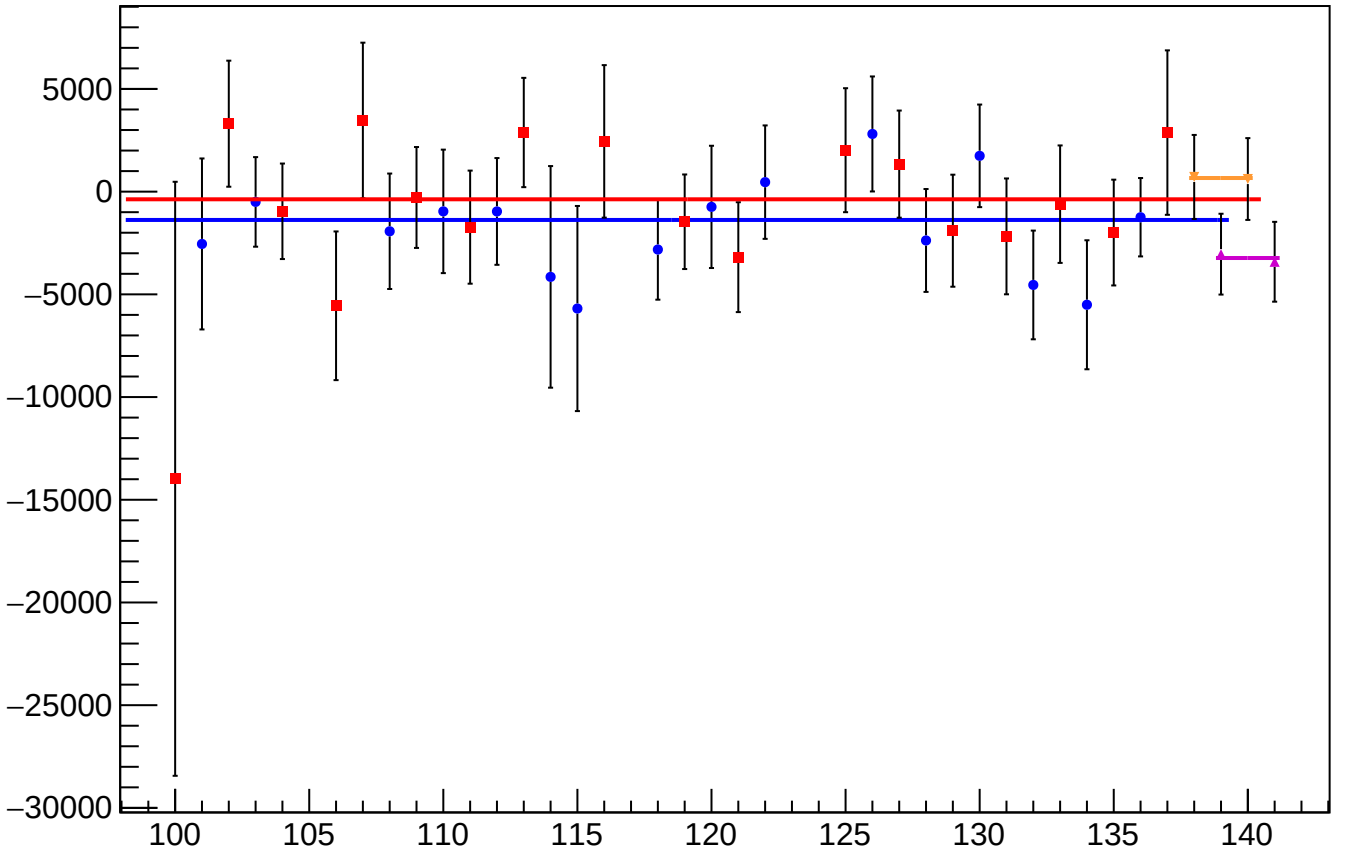
Left: 686.071+/-0.267 χ^2/NDF: 49314.7/3

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 943.495+/-0.242 χ^2/NDF:2572562.4/17

Out: 836.346+/-0.223 χ^2/NDF:3369371.4/19

All: 885.575+/-0.164 χ^2/NDF: 6047855.3/37



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 663.546+/-1426.856 χ^2/NDF:0.0/1

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -3230.873+/-1382.489 χ^2/NDF:0.0/1

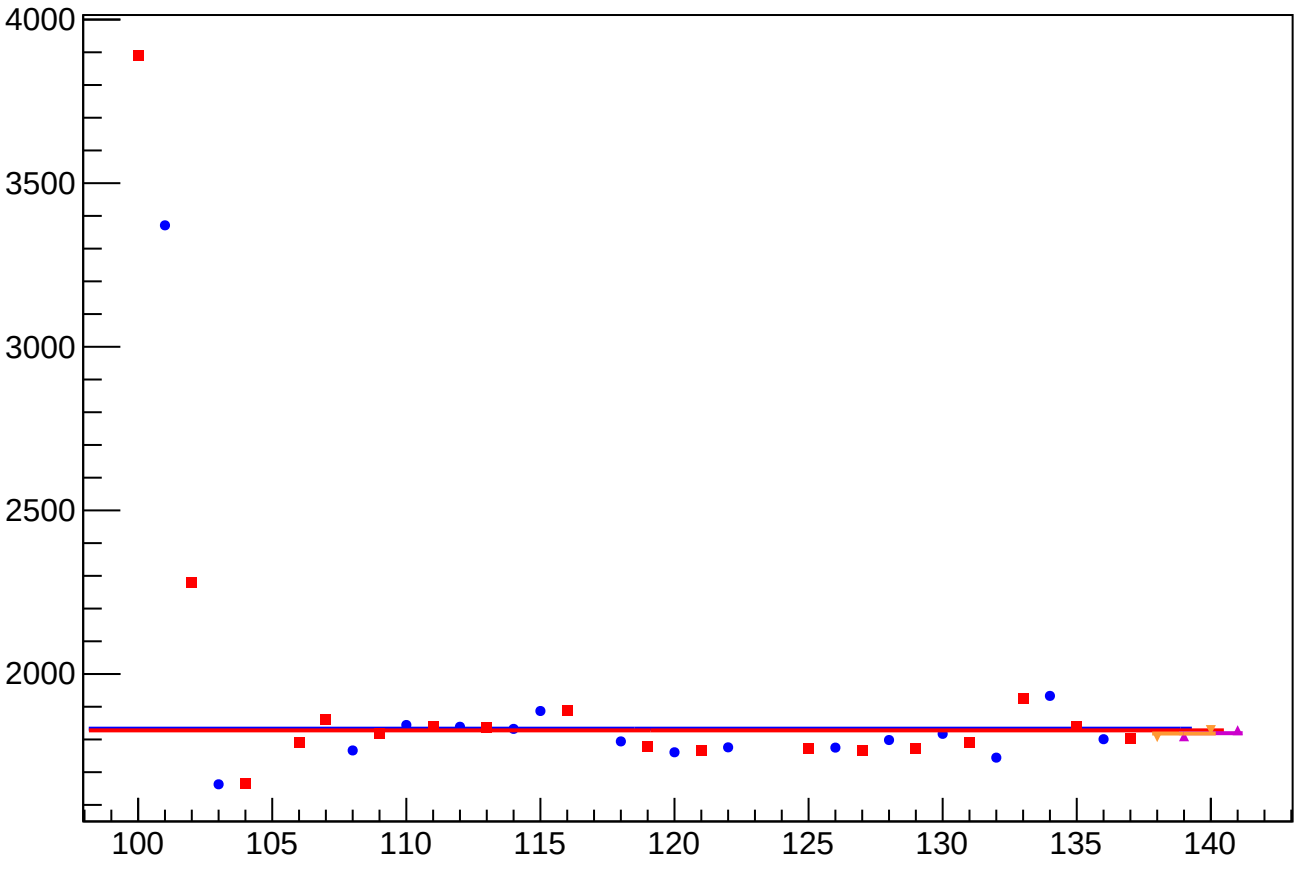
Left: -1345.151+/-992.882 χ^2/NDF: 3.9/3

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1746.783+/-616.682 χ^2/NDF:10.8/17

Out: -178.743+/-617.091 χ^2/NDF:12.4/19

All: -963.283+/-436.205 χ^2/NDF: 26.4/37



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1818.151+/-1.009 χ^2/NDF:112.7/1

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1819.180+/-0.978 χ^2/NDF:88.5/1

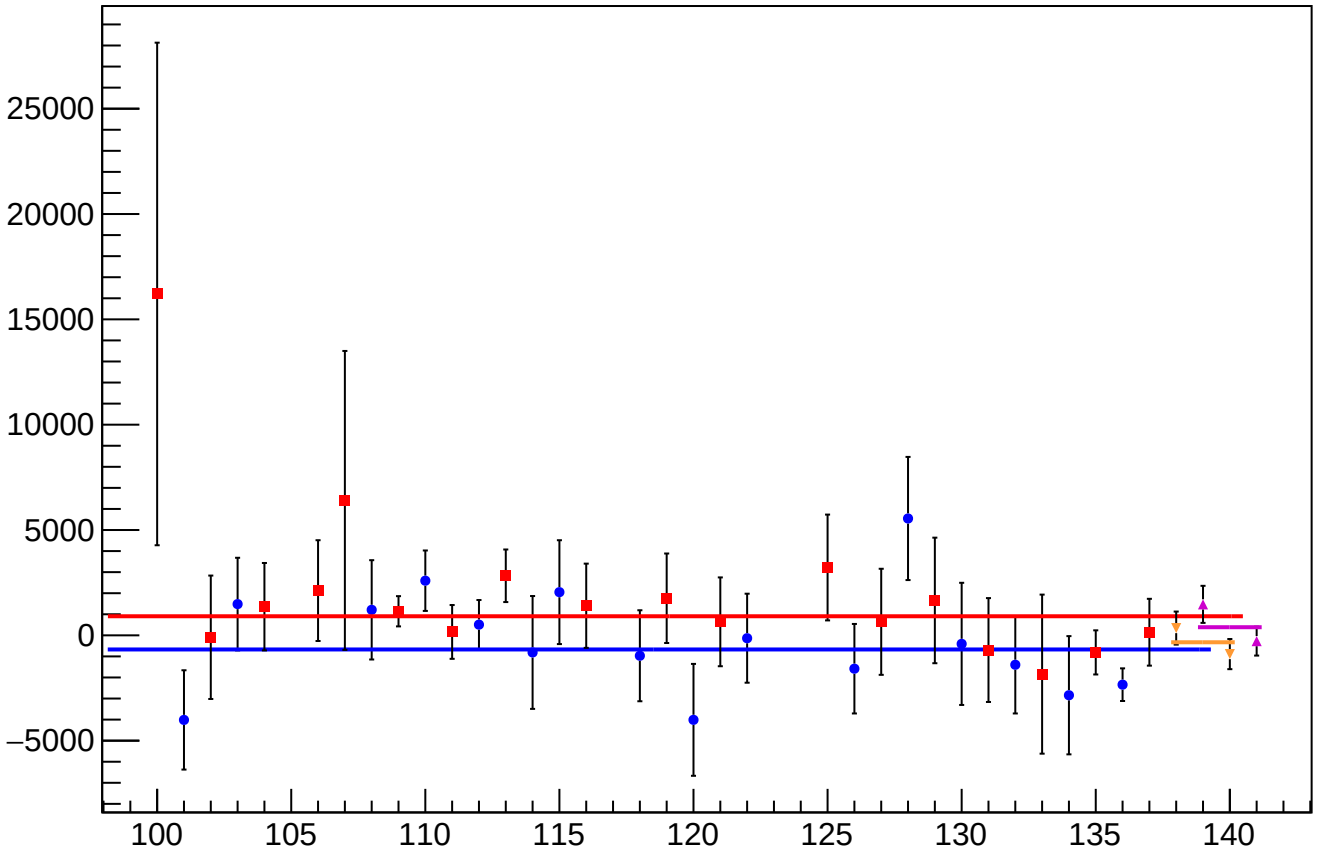
Left: 1818.682+/-0.702 χ^2/NDF: 201.8/3

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1830.207+/-0.436 χ^2/NDF:295688.6/17

Out: 1825.983+/-0.436 χ^2/NDF:102457.1/19

All: 1828.097+/-0.308 χ^2/NDF: 398192.6/37



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -328.913+/-528.559 χ^2/NDF:1.4/1

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 385.782+/-540.878 χ^2/NDF:2.4/1

Left: 20.203+/-378.028 χ^2/NDF: 4.7/3

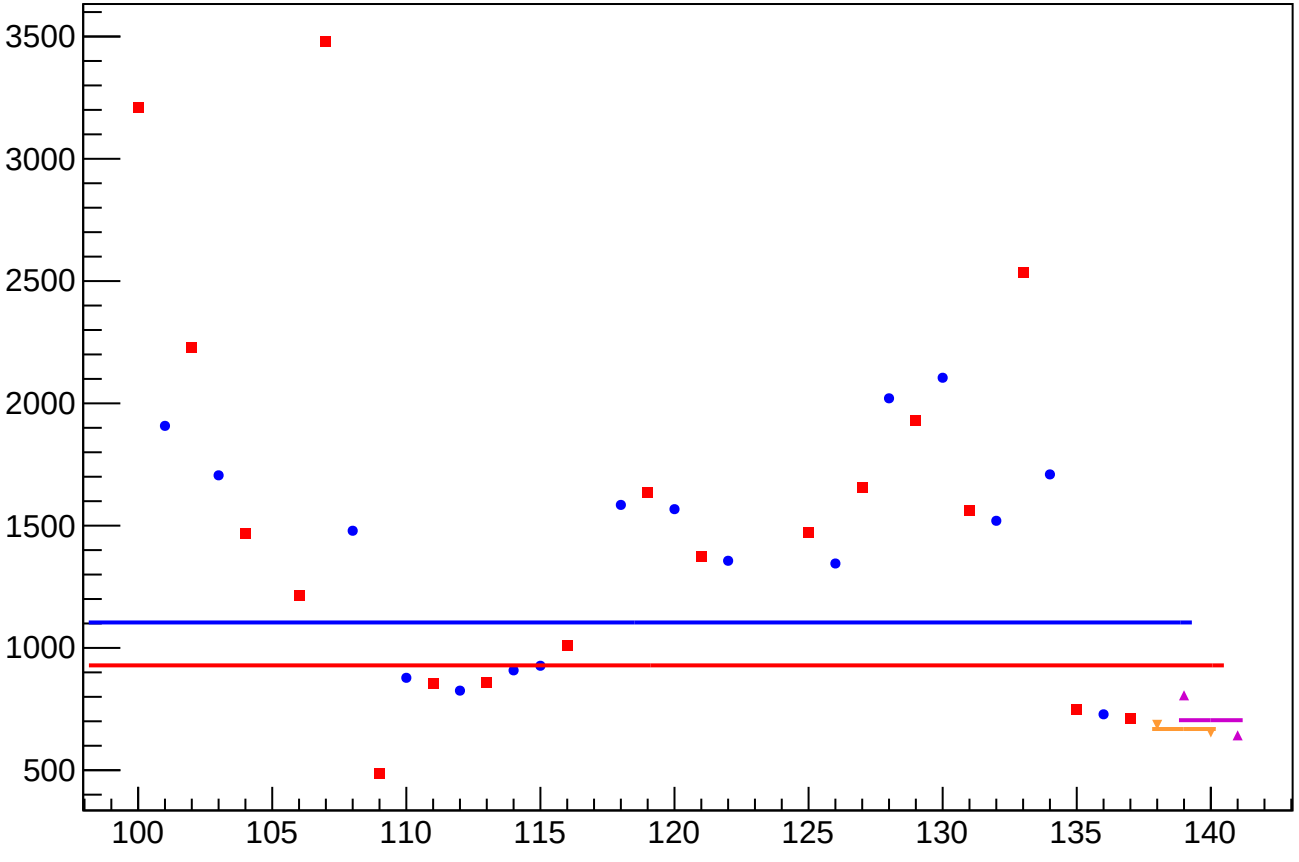
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -247.001+/-342.490 χ^2/NDF:27.5/17

Out: 463.657+/-316.312 χ^2/NDF:15.4/19

All: 136.522+/-232.370 χ^2/NDF: 45.2/37

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 668.461+/-0.374 χ^2/NDF:1727.4/1

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 704.500+/-0.382 χ^2/NDF:43057.4/1

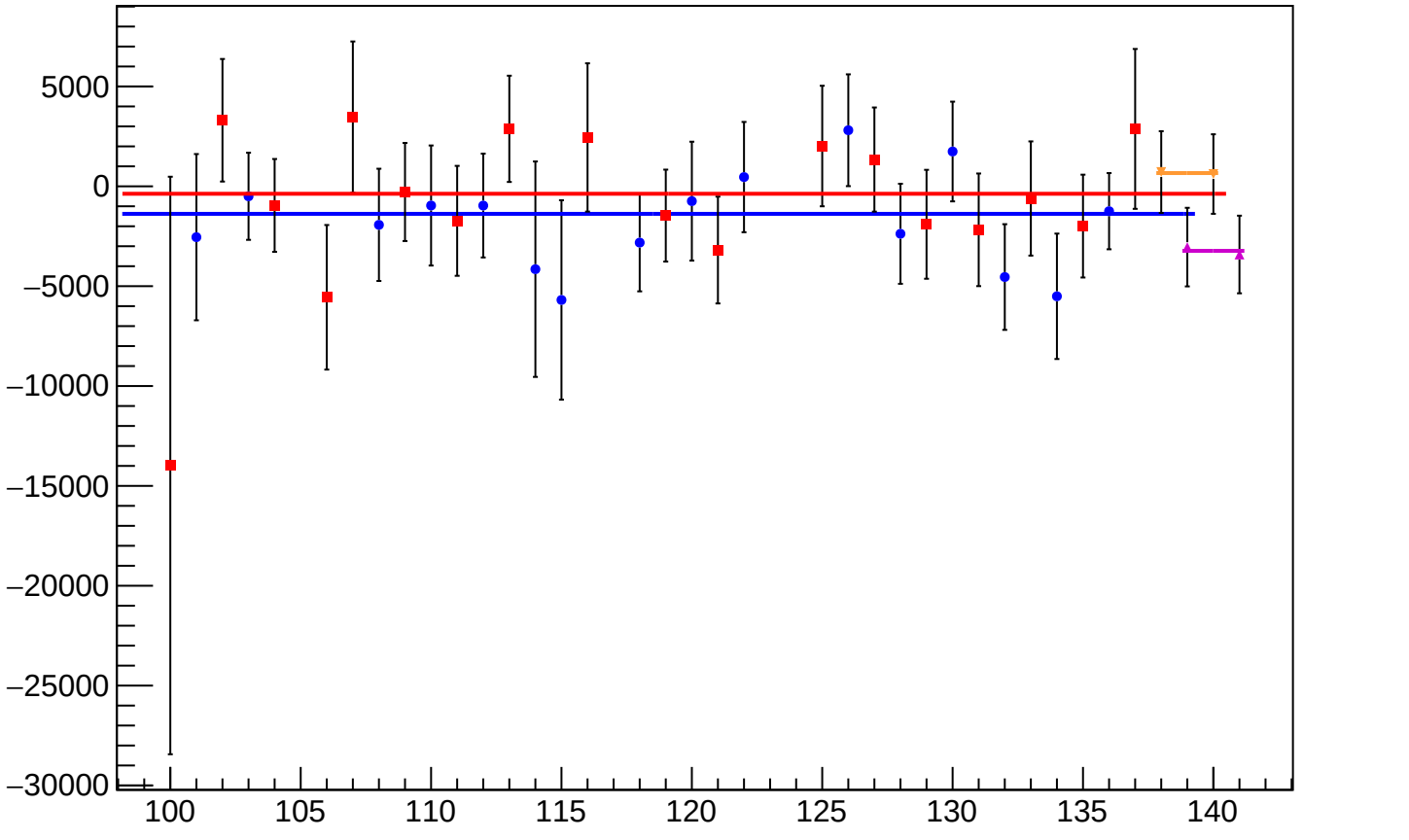
Left: 686.066+/-0.267 χ^2/NDF: 49326.5/3

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 943.879+/-0.242 χ^2/NDF:2591493.1/17

Out: 835.454+/-0.224 χ^2/NDF:3367132.9/19

All: 885.365+/-0.164 χ^2/NDF: 6066800.5/37



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 663.546+/-1426.856 χ^2/NDF:0.0/1

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -3230.873+/-1382.489 χ^2/NDF:0.0/1

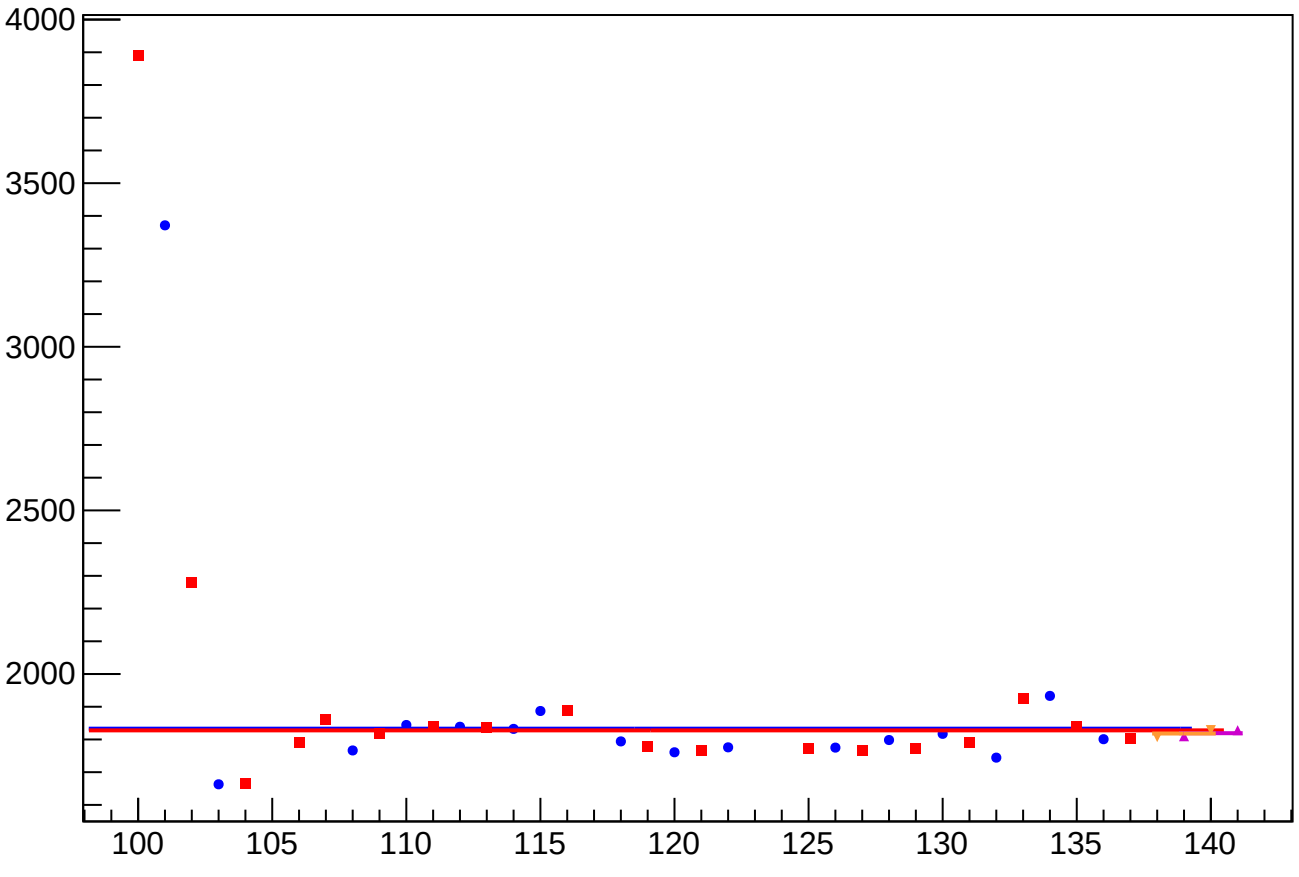
Left: -1345.151+/-992.882 χ^2/NDF: 3.9/3

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1746.783+/-616.682 χ^2/NDF:10.8/17

Out: -178.743+/-617.091 χ^2/NDF:12.4/19

All: -963.283+/-436.205 χ^2/NDF: 26.4/37



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1818.151+/-1.009 χ^2/NDF:112.7/1

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1819.180+/-0.978 χ^2/NDF:88.5/1

Left: 1818.682+/-0.702 χ^2/NDF: 201.8/3

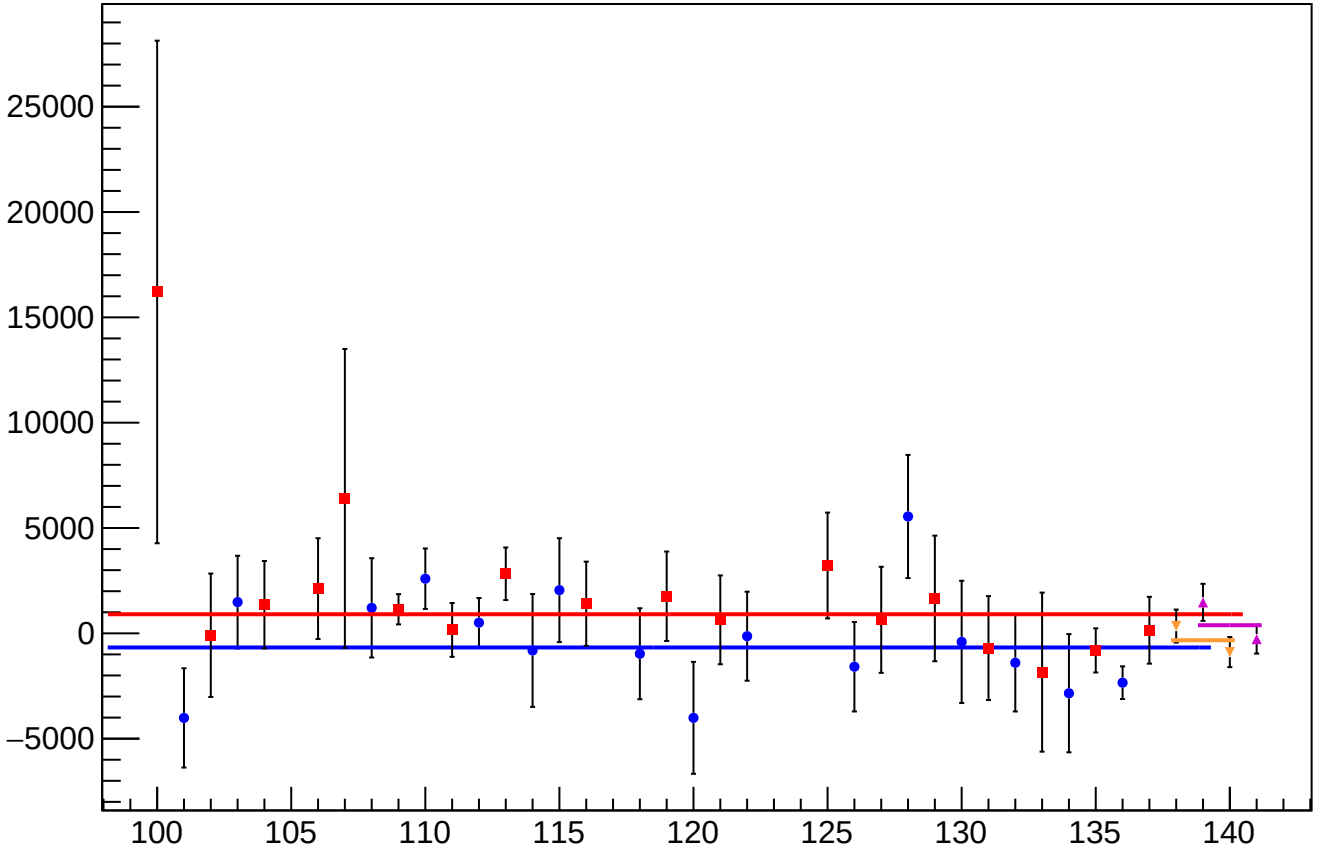
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1830.207+/-0.436 χ^2/NDF:295688.6/17

Out: 1825.983+/-0.436 χ^2/NDF:102457.1/19

All: 1828.097+/-0.308 χ^2/NDF: 398192.6/37

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -328.913+/-528.559 χ^2/NDF:1.4/1

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 385.782+/-540.878 χ^2/NDF:2.4/1

Left: 20.203+/-378.028 χ^2/NDF: 4.7/3

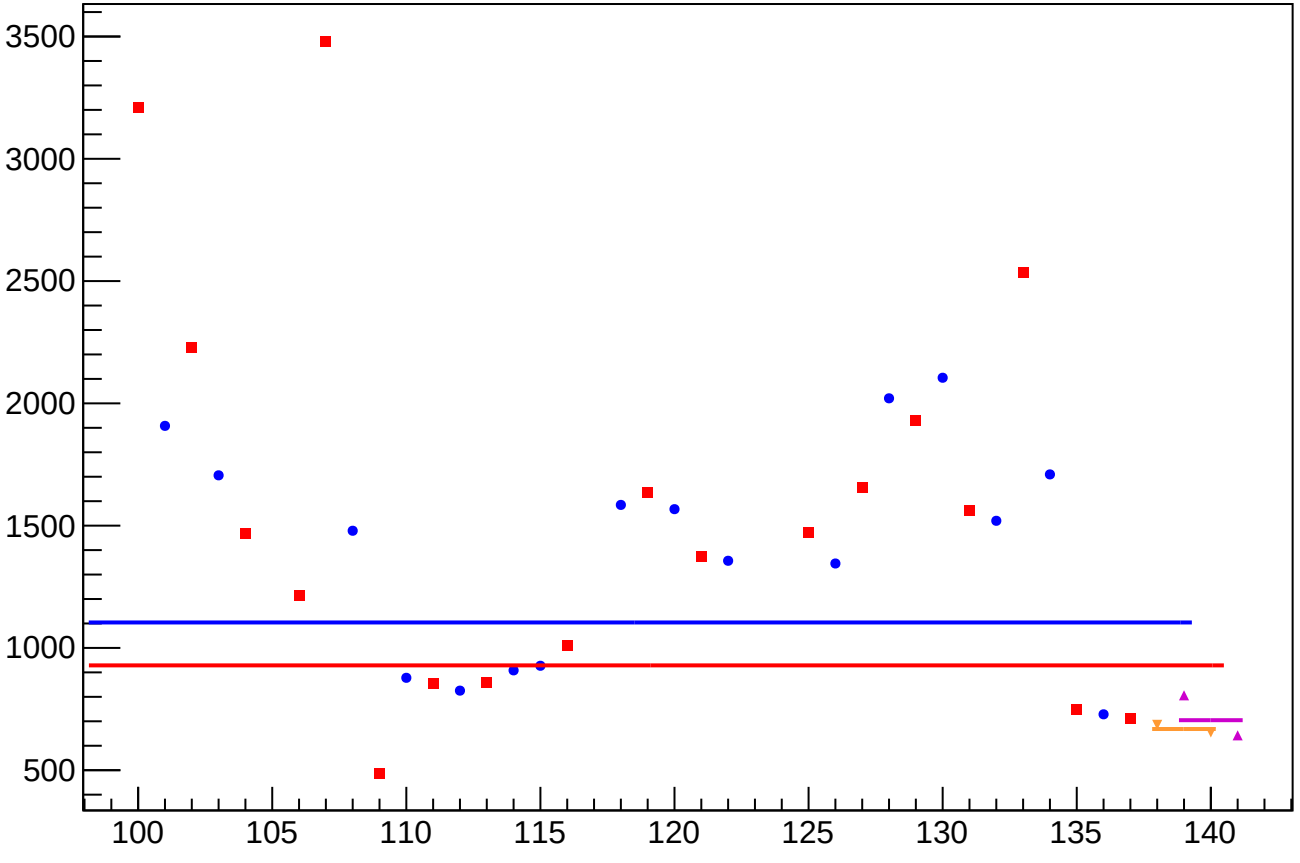
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -247.001+/-342.490 χ^2/NDF:27.5/17

Out: 463.657+/-316.312 χ^2/NDF:15.4/19

All: 136.522+/-232.370 χ^2/NDF: 45.2/37

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 668.461+/-0.374 χ^2/NDF:1727.4/1

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 704.500+/-0.382 χ^2/NDF:43057.4/1

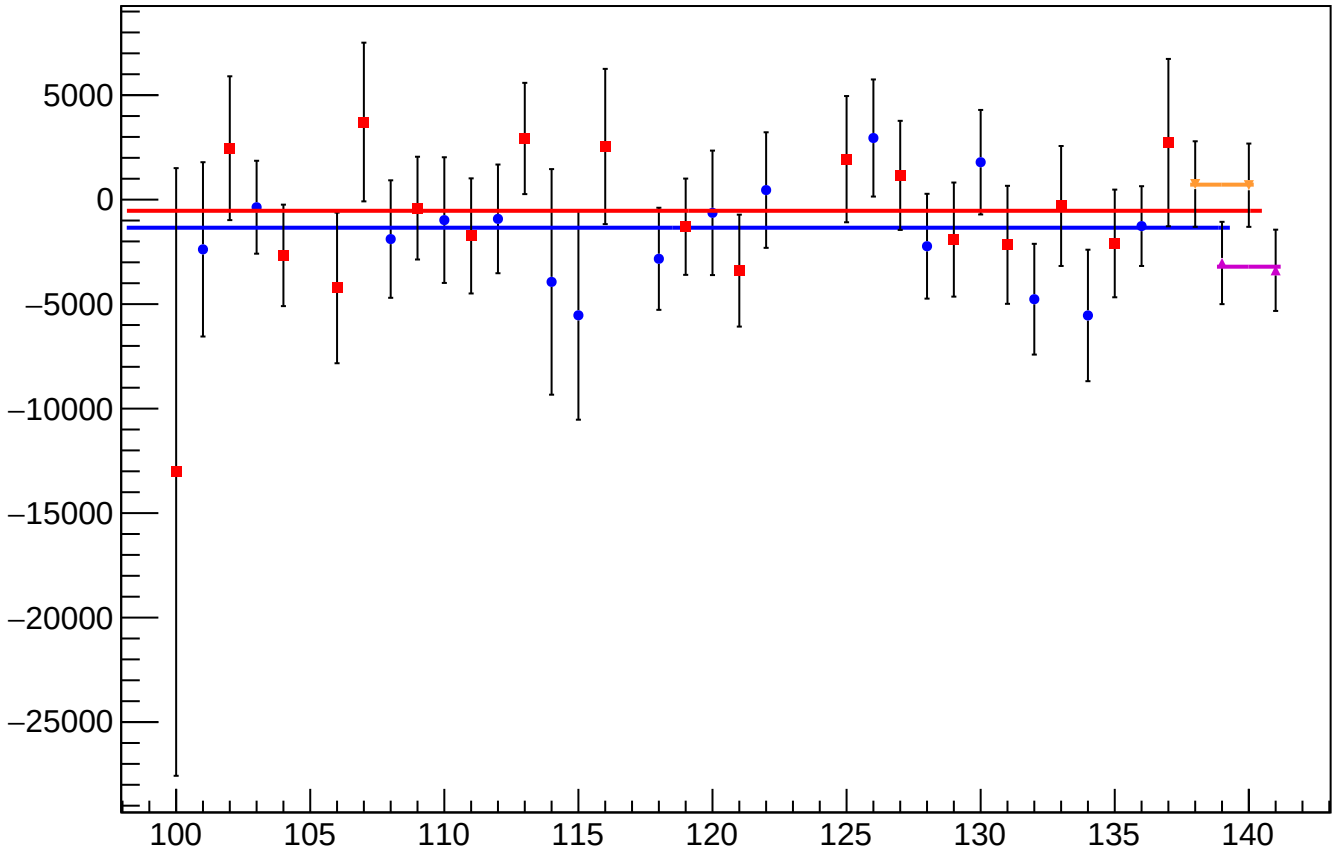
Left: 686.066+/-0.267 χ^2/NDF: 49326.5/3

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 943.879+/-0.242 χ^2/NDF:2591493.1/17

Out: 835.454+/-0.224 χ^2/NDF:3367132.9/19

All: 885.365+/-0.164 χ^2/NDF: 6066800.5/37



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 716.873+/-1428.041 χ^2/NDF:0.0/1

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -3208.997+/-1383.435 χ^2/NDF:0.0/1

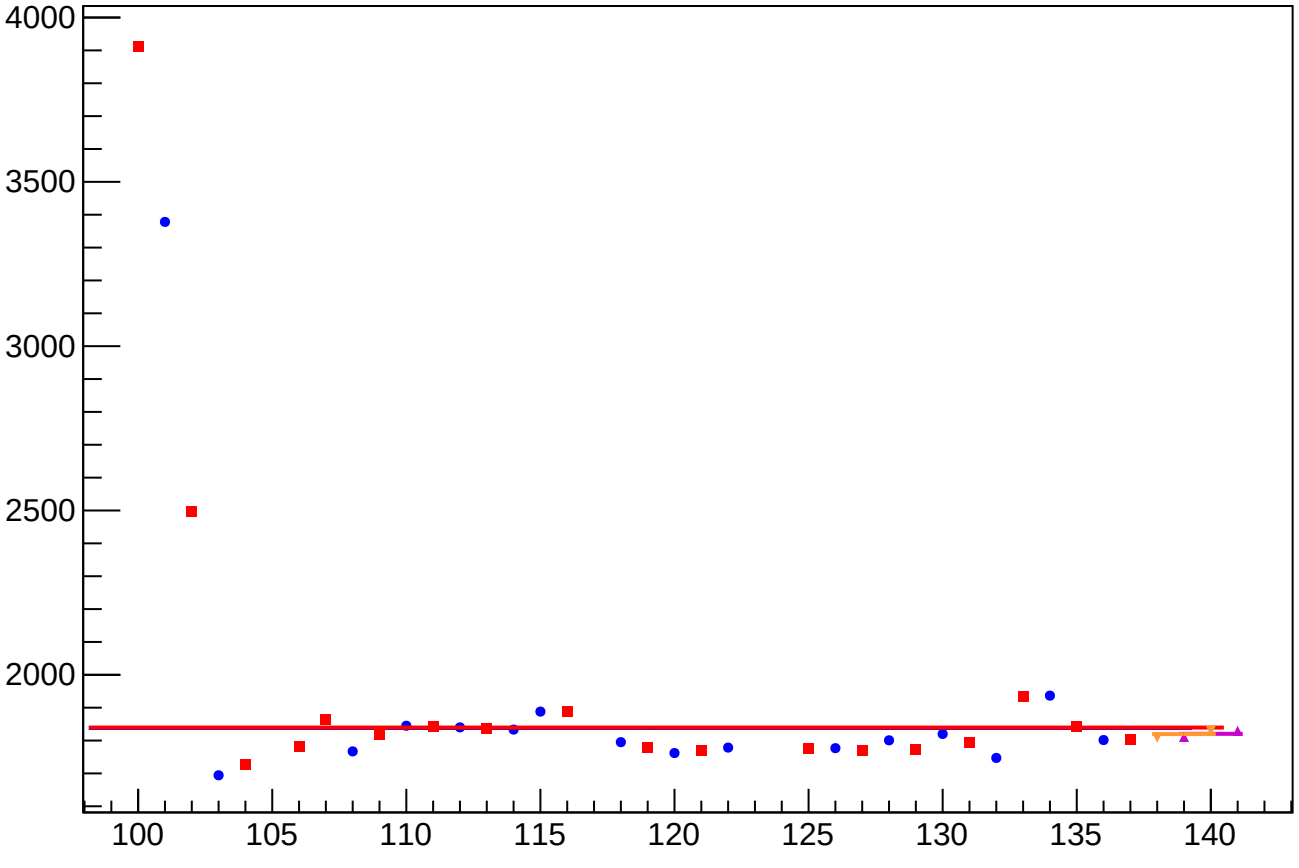
Left: -1308.332+/-993.632 χ^2/NDF: 3.9/3

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1716.290+/-618.135 χ^2/NDF:11.1/17

Out: -296.860+/-621.986 χ^2/NDF:11.7/19

All: -1010.983+/-438.443 χ^2/NDF: 25.4/37



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1819.662+/-1.010 χ^2/NDF:110.0/1

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1820.419+/-0.978 χ^2/NDF:87.7/1

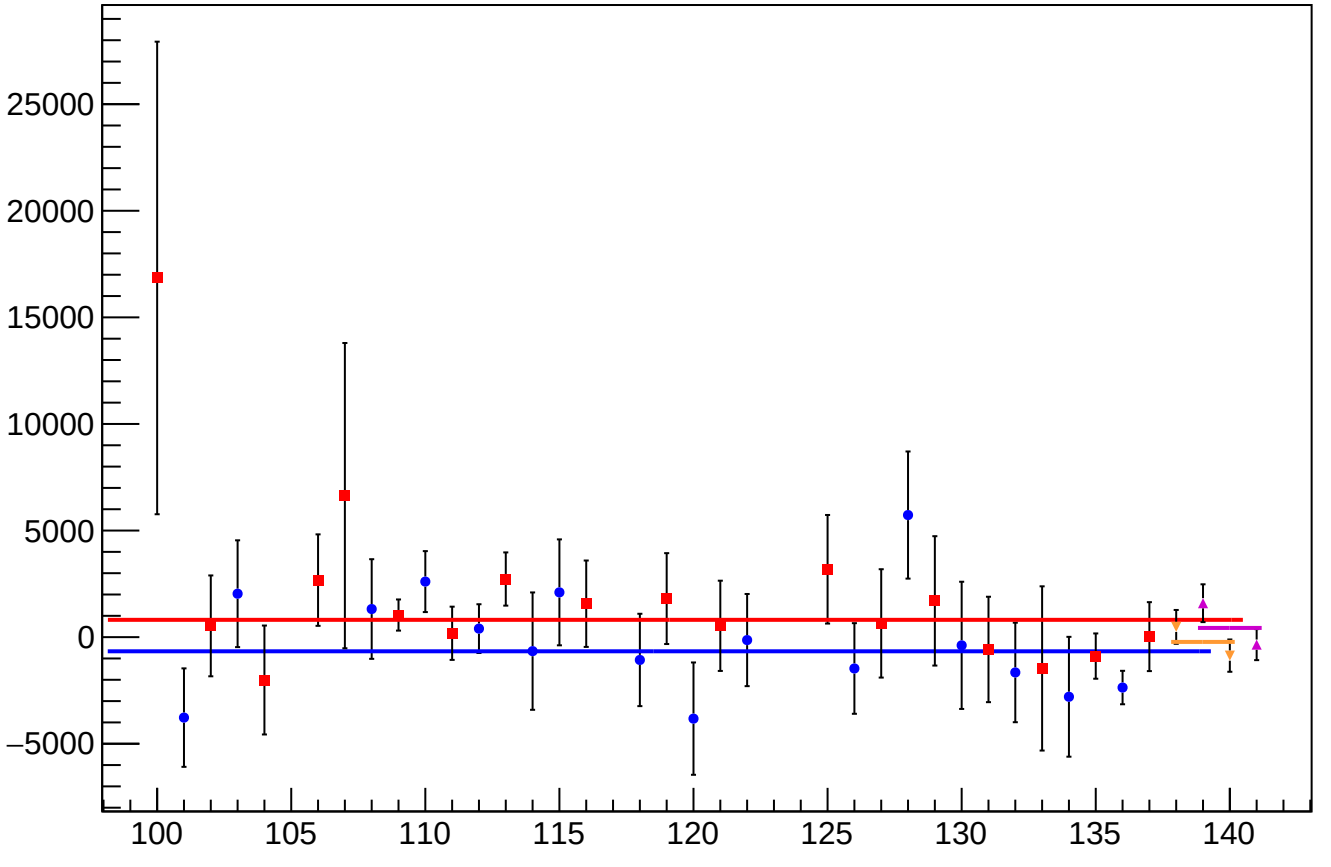
Left: 1820.052+/-0.703 χ^2/NDF: 198.0/3

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1834.617+/-0.437 χ^2/NDF:292335.0/17

Out: 1835.751+/-0.440 χ^2/NDF:128676.8/19

All: 1835.180+/-0.310 χ^2/NDF: 421015.2/37



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -223.608+/-547.891 χ^2/NDF:1.5/1

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 432.033+/-562.705 χ^2/NDF:2.9/1

Left: 95.469+/-392.550 χ^2/NDF: 5.1/3

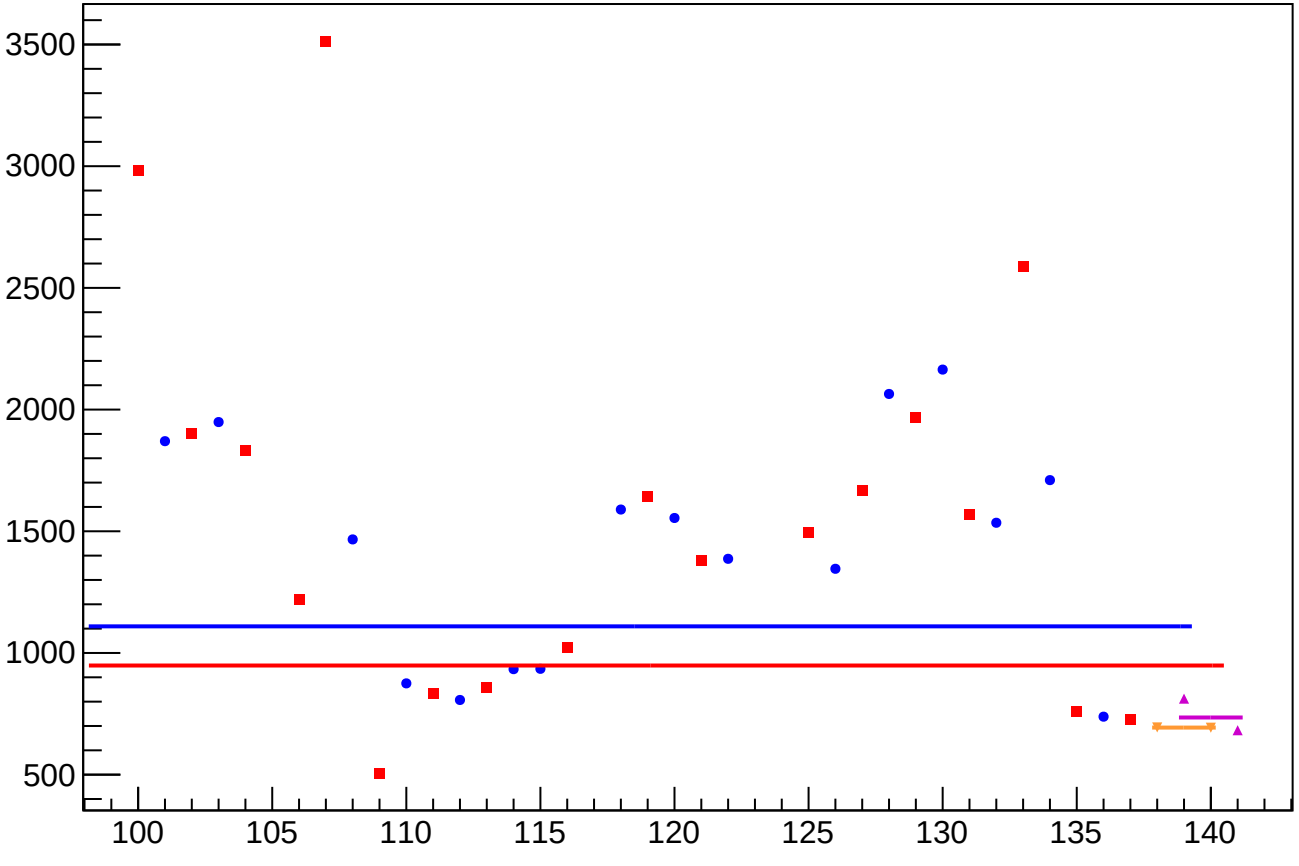
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -240.916+/-349.479 χ^2/NDF:28.0/17

Out: 455.364+/-321.576 χ^2/NDF:16.1/19

All: 136.126+/-236.639 χ^2/NDF: 46.2/37

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 693.434+/-0.387 χ^2/NDF:2.2/1

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 734.858+/-0.398 χ^2/NDF:25592.2/1

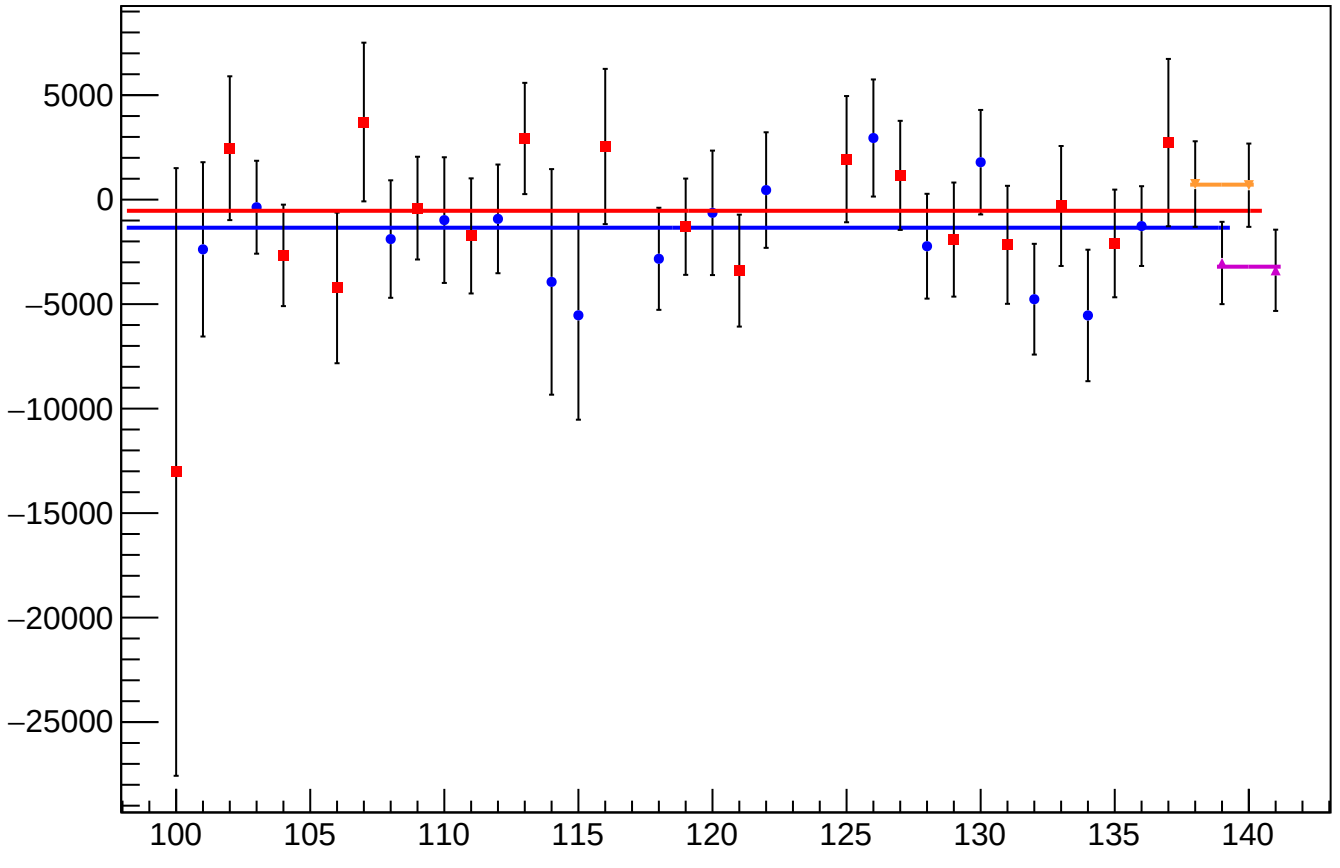
Left: 713.593+/-0.278 χ^2/NDF: 31158.2/3

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 964.905+/-0.247 χ^2/NDF:2543136.0/17

Out: 860.591+/-0.227 χ^2/NDF:3337670.1/19

All: 908.418+/-0.167 χ^2/NDF: 5977295.0/37



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 716.883+/-1428.041 χ^2/NDF:0.0/1

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -3208.983+/-1383.435 χ^2/NDF:0.0/1

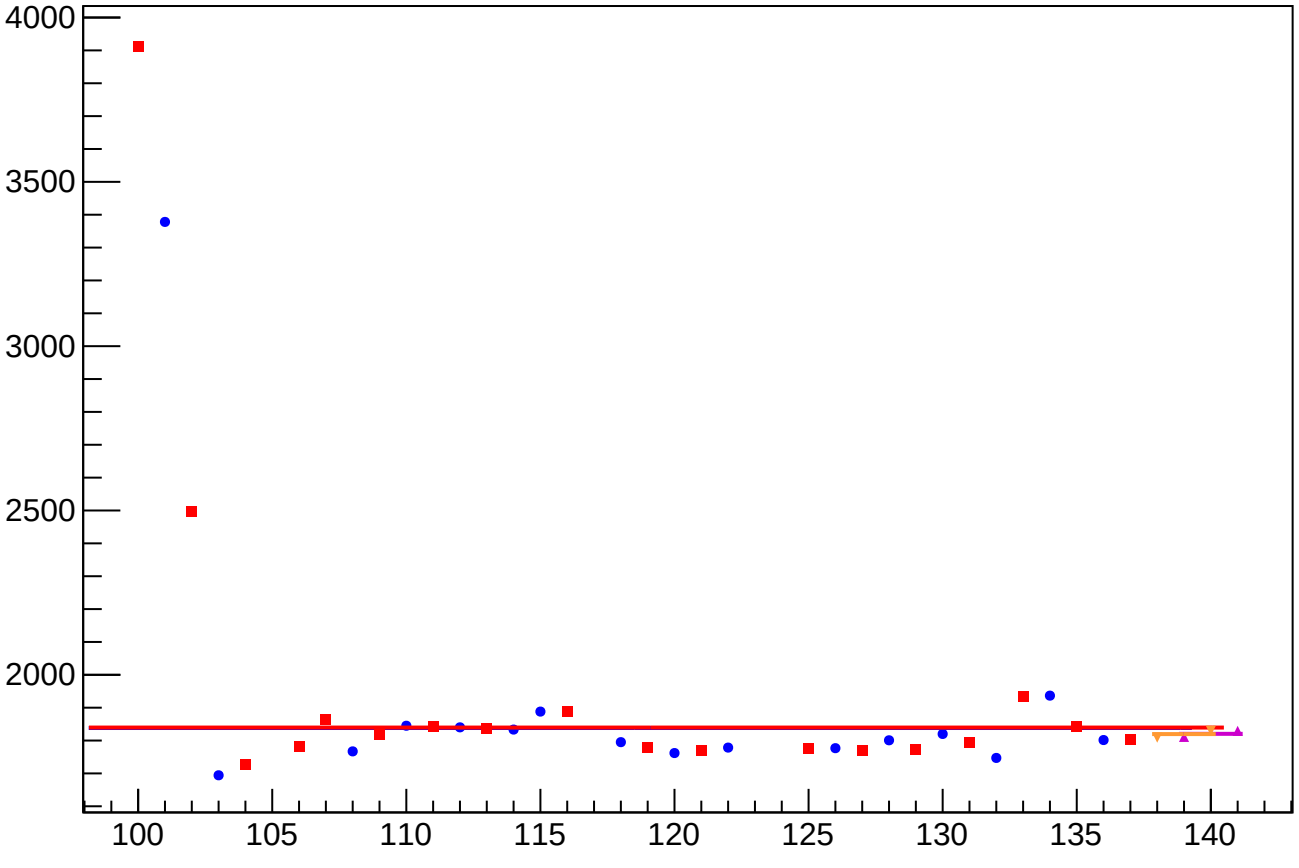
Left: -1308.320+/-993.632 χ^2/NDF: 3.9/3

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -1716.290+/-618.135 χ^2/NDF:11.1/17

Out: -296.861+/-621.986 χ^2/NDF:11.7/19

All: -1010.984+/-438.443 χ^2/NDF: 25.4/37



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1819.662+/-1.010 χ^2/NDF:110.0/1

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1820.419+/-0.978 χ^2/NDF:87.7/1

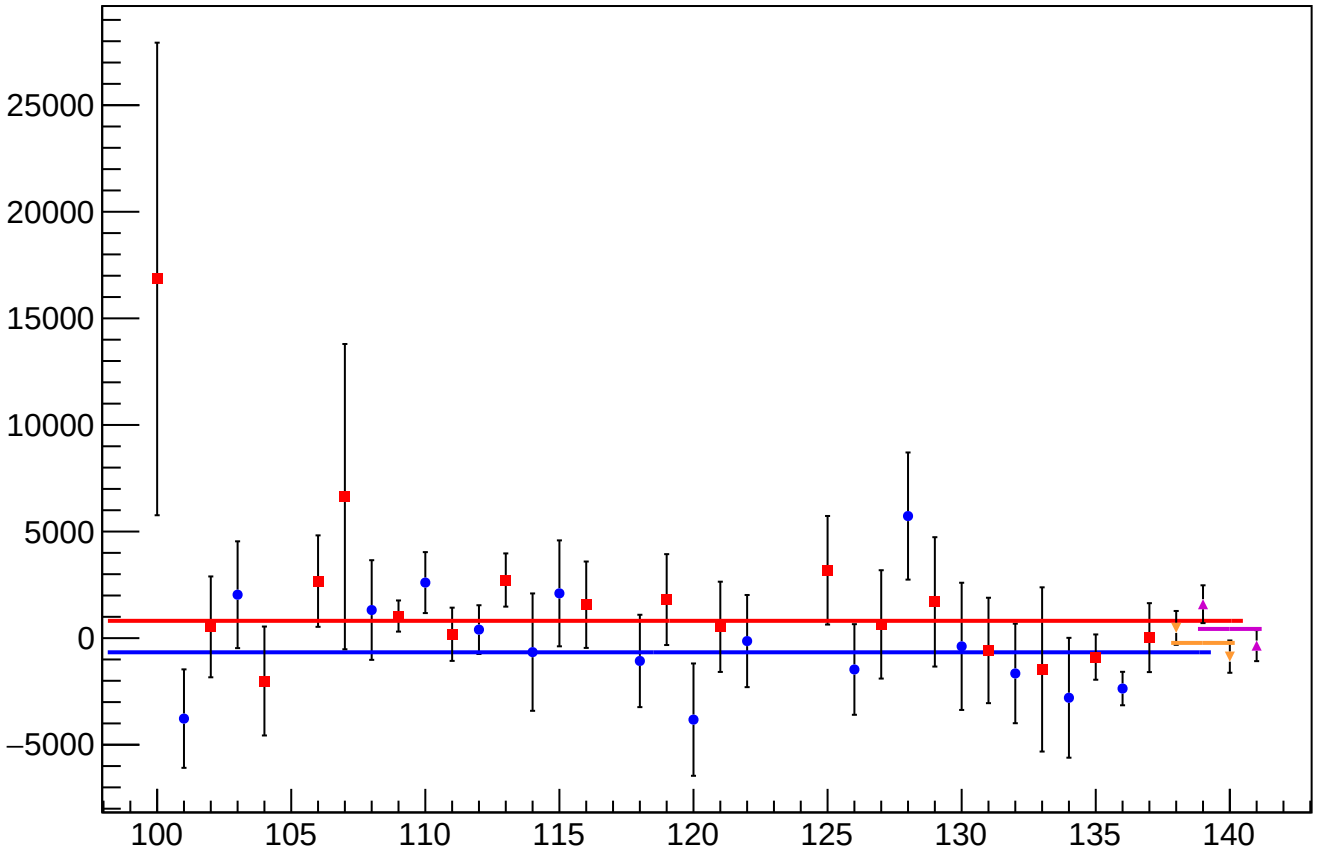
Left: 1820.052+/-0.703 χ^2/NDF: 198.0/3

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1834.617+/-0.437 χ^2/NDF:292335.0/17

Out: 1835.751+/-0.440 χ^2/NDF:128676.8/19

All: 1835.180+/-0.310 χ^2/NDF: 421015.2/37



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -223.615+/-547.898 χ^2/NDF:1.5/1

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 432.026+/-562.711 χ^2/NDF:2.9/1

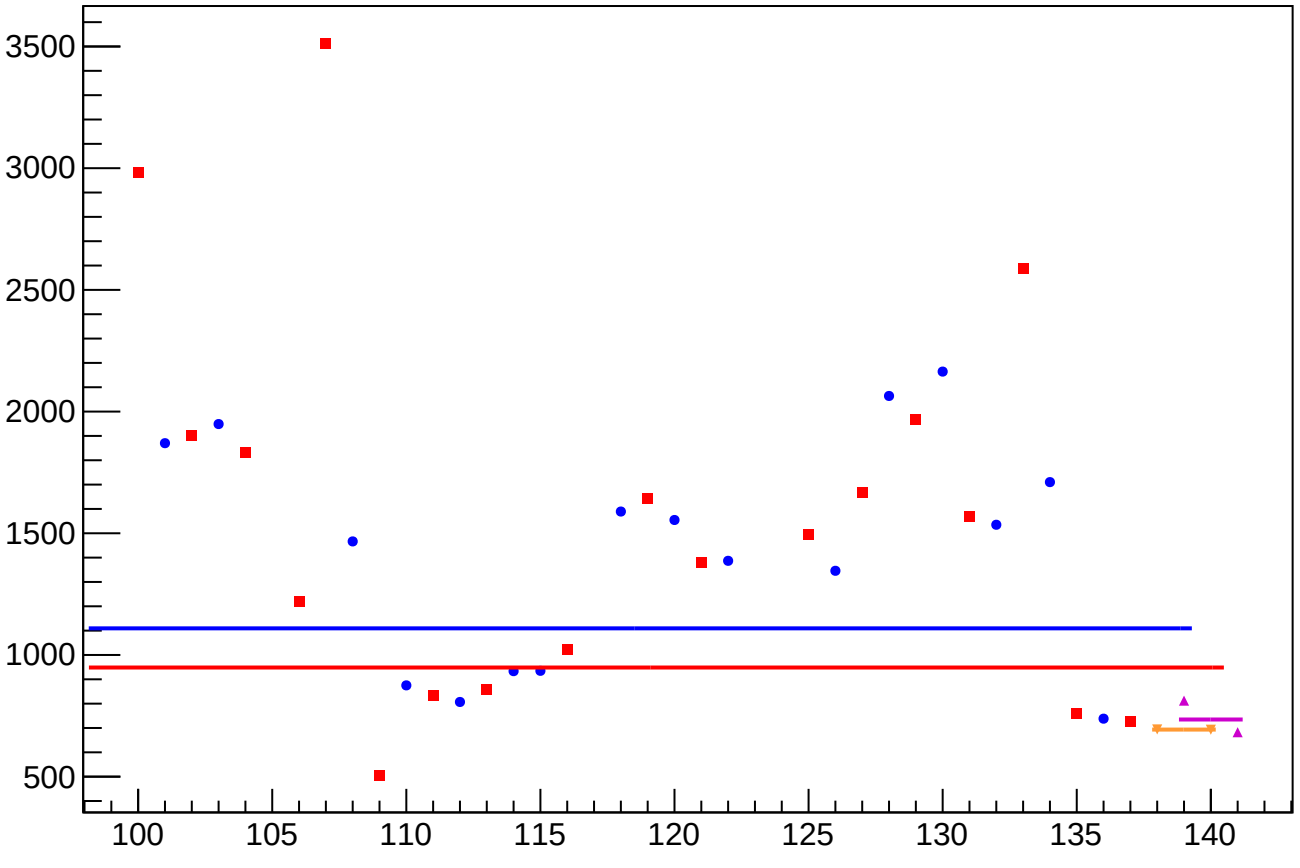
Left: 95.463+/-392.555 χ^2/NDF: 5.1/3

Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -240.915+/-349.481 χ^2/NDF:28.0/17

Out: 455.372+/-321.578 χ^2/NDF:16.1/19

All: 136.130+/-236.640 χ^2/NDF: 46.2/37



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 693.443+/-0.387 χ^2/NDF:2.3/1

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 734.865+/-0.398 χ^2/NDF:25597.6/1

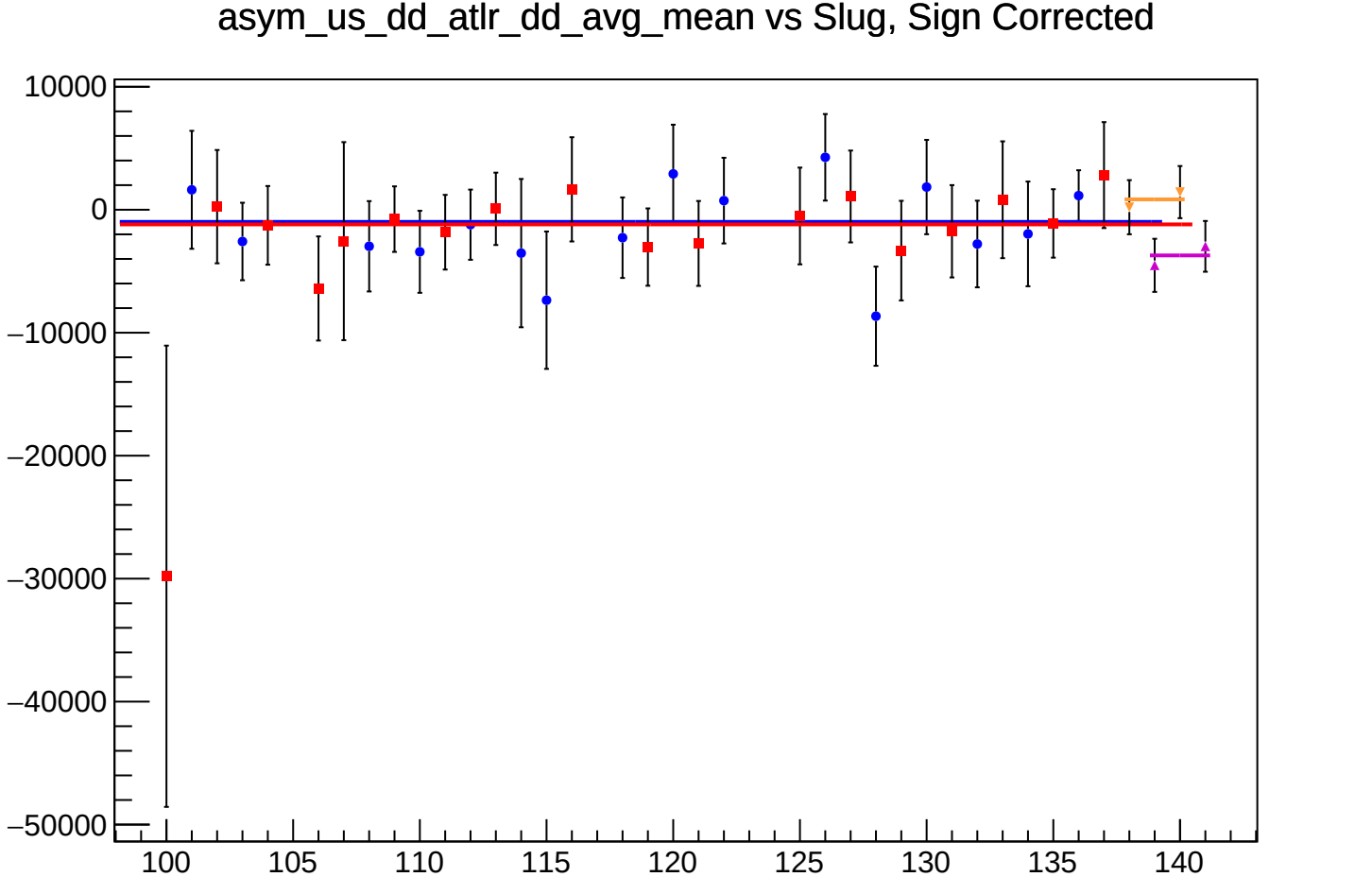
Left: 713.602+/-0.278 χ^2/NDF: 31163.0/3

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 964.911+/-0.247 χ^2/NDF:2543082.0/17

Out: 860.597+/-0.227 χ^2/NDF:3337623.5/19

All: 908.424+/-0.167 χ^2/NDF: 5977193.5/37



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 843.899+/-1526.761 χ^2/NDF:0.2/1

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -3714.564+/-1492.087 χ^2/NDF:0.3/1

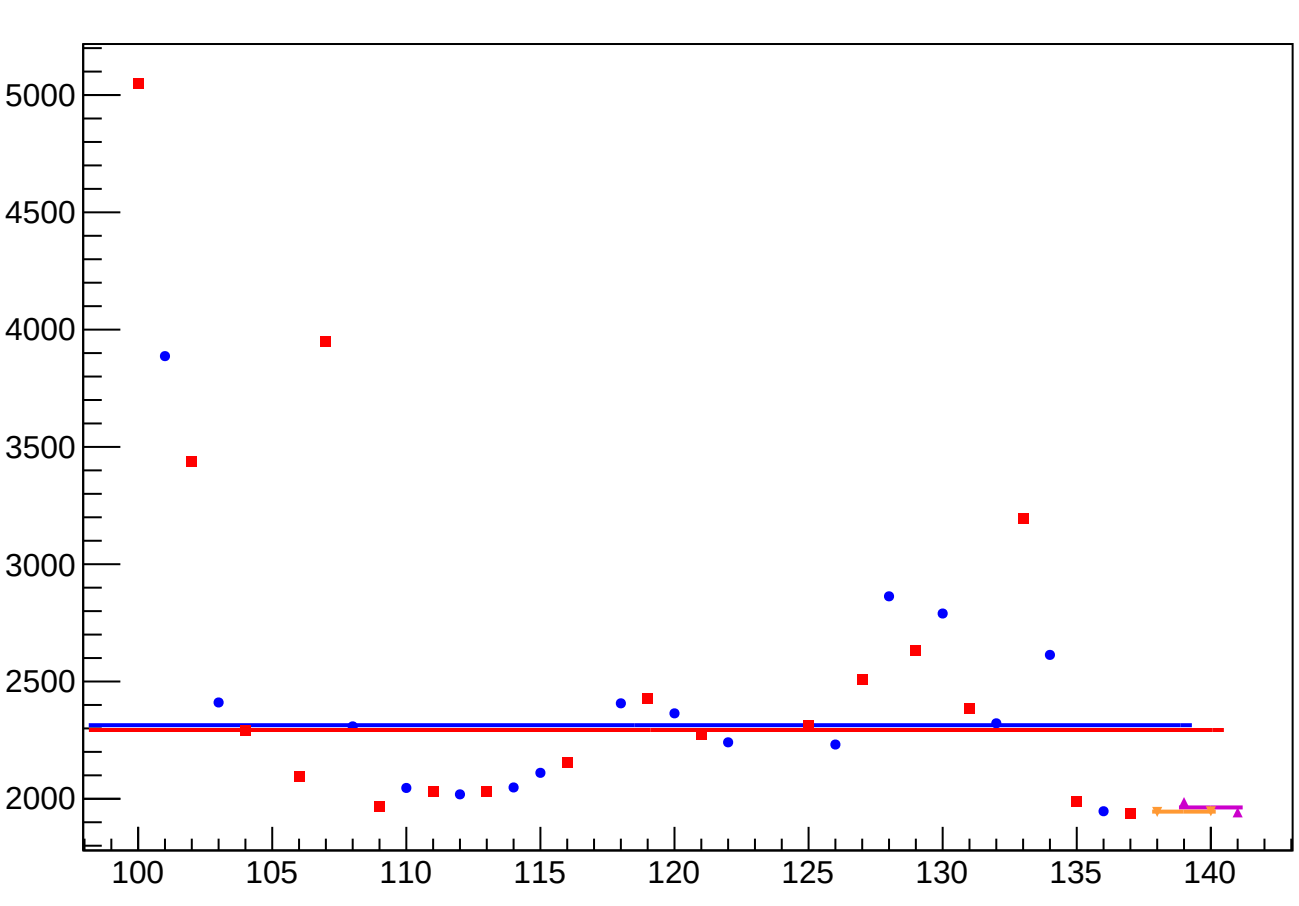
Left: -1487.683+/-1067.113 χ^2/NDF: 5.0/3

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1683.989+/-754.043 χ^2/NDF:14.7/17

Out: -692.720+/-756.174 χ^2/NDF:8.5/19

All: -1189.753+/-533.941 χ^2/NDF: 24.1/37



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1945.321+/-1.080 χ^2/NDF:1.5/1

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1963.119+/-1.055 χ^2/NDF:428.5/1

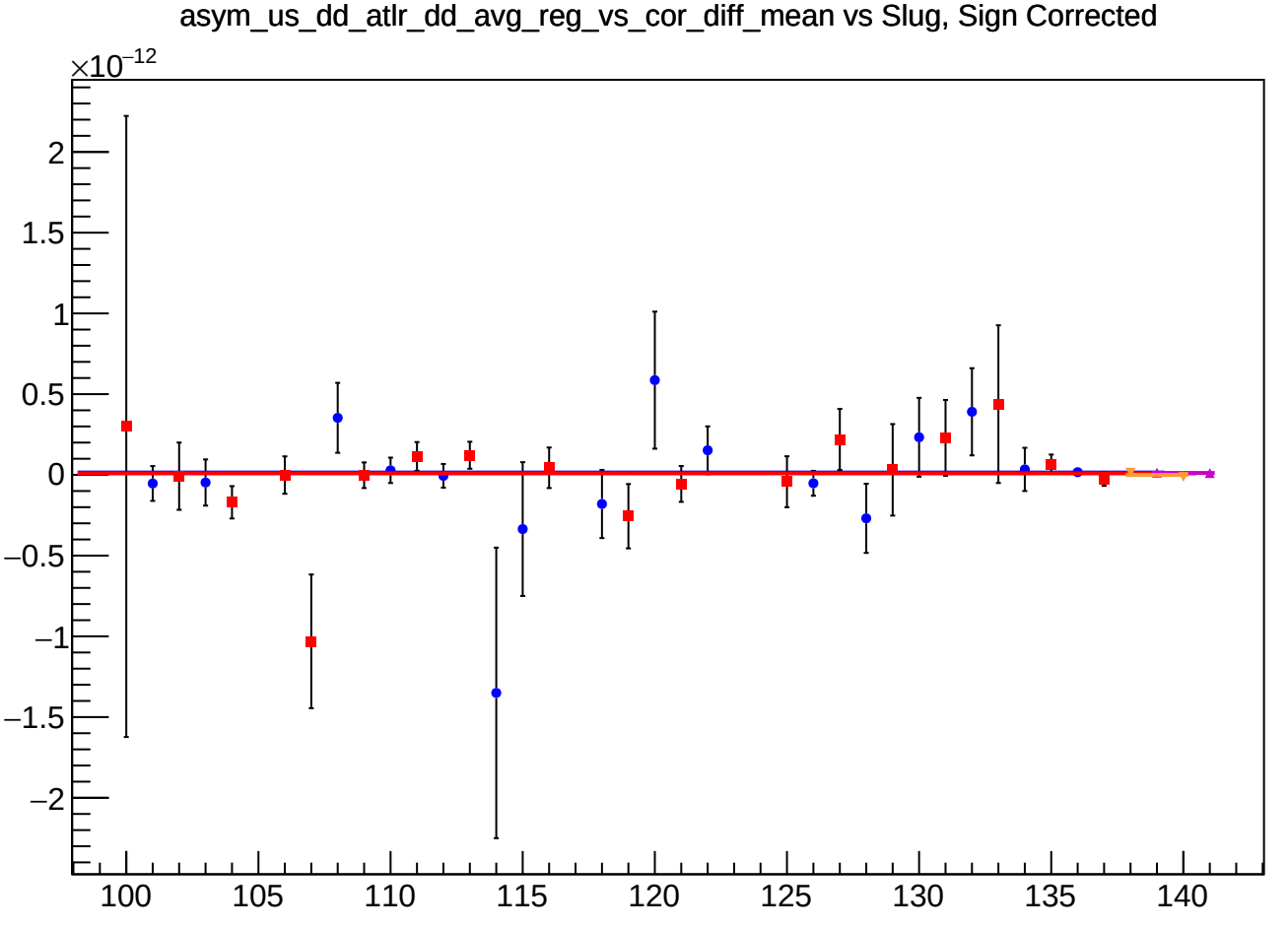
Left: 1954.424+/-0.755 χ^2/NDF: 569.0/3

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2224.196+/-0.533 χ^2/NDF:485418.3/17

Out: 2207.921+/-0.535 χ^2/NDF:531601.5/19

All: 2216.081+/-0.378 χ^2/NDF: 1017484.3/37



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

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

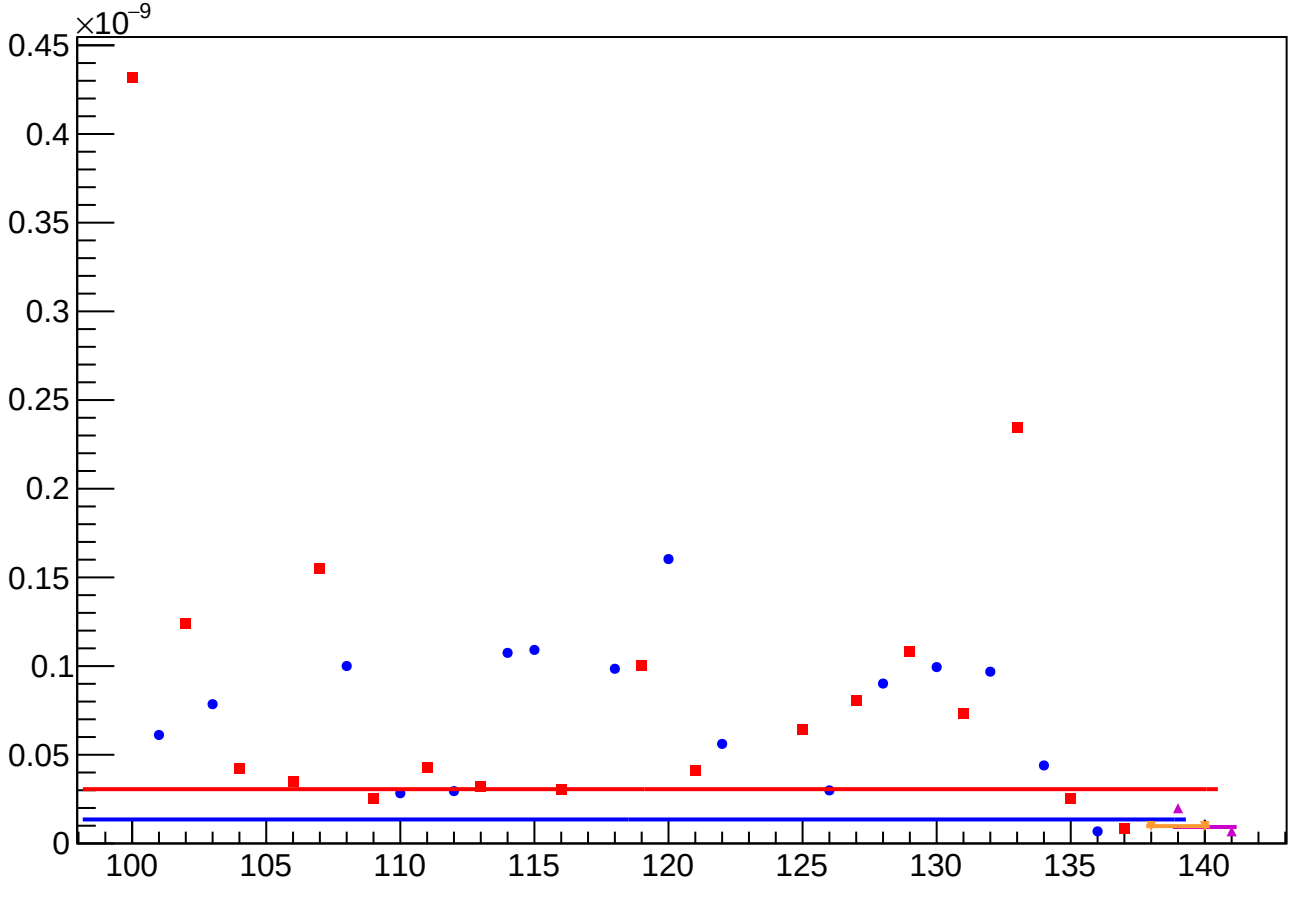
Left: 0.000+/-0.000 χ^2/NDF: 1.5/3

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:15.0/17

Out: 0.000+/-0.000 χ^2/NDF:20.7/19

All: 0.000+/-0.000 χ^2/NDF: 36.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:304805.6/1

Left: 0.000+/-0.000 χ^2/NDF: 306258.7/3

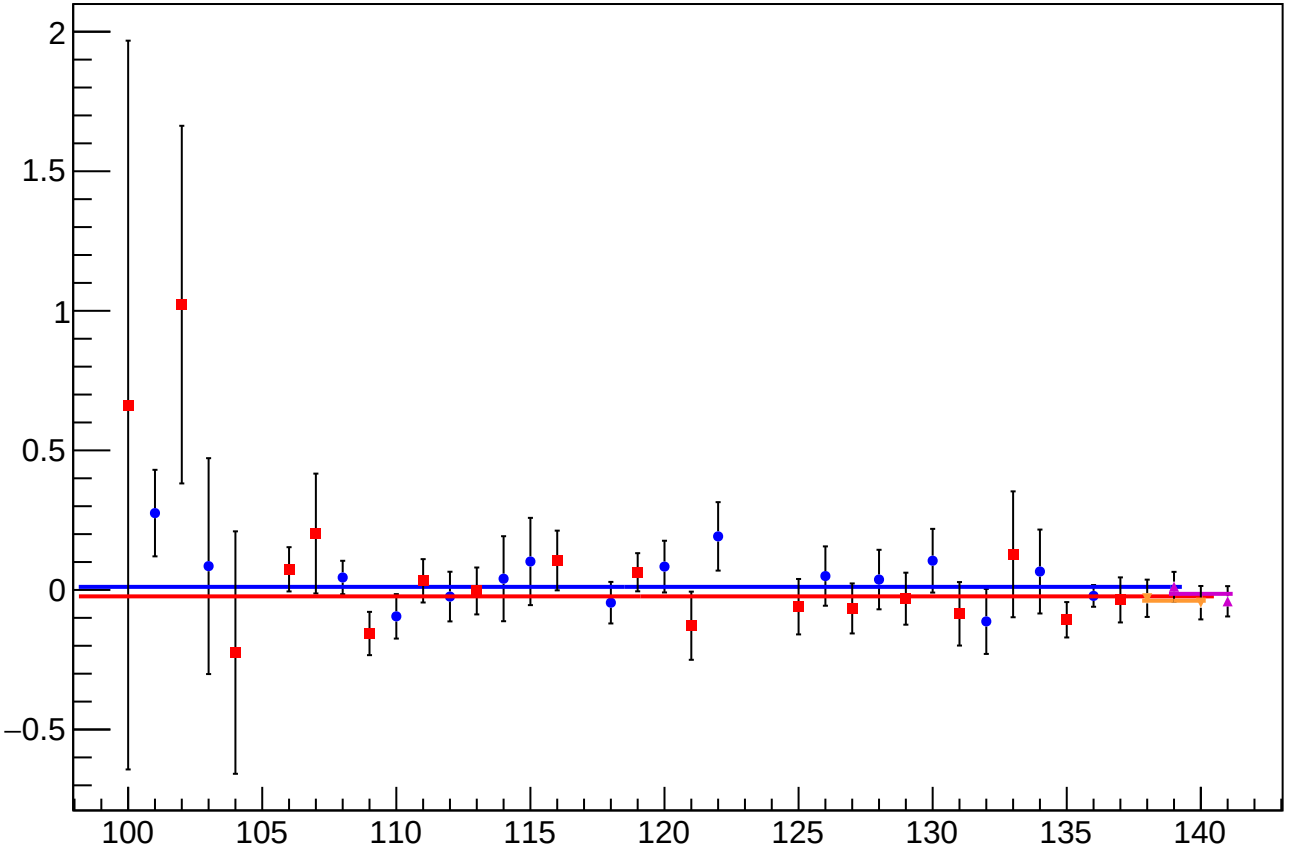
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:3819635.6/17

Out: 0.000+/-0.000 χ^2/NDF:3512104.3/19

All: 0.000+/-0.000 χ^2/NDF: 7422437.0/37

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.039+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.014+/-0.038 χ^2/NDF:0.5/1

Left: -0.024+/-0.029 χ^2/NDF: 0.7/3

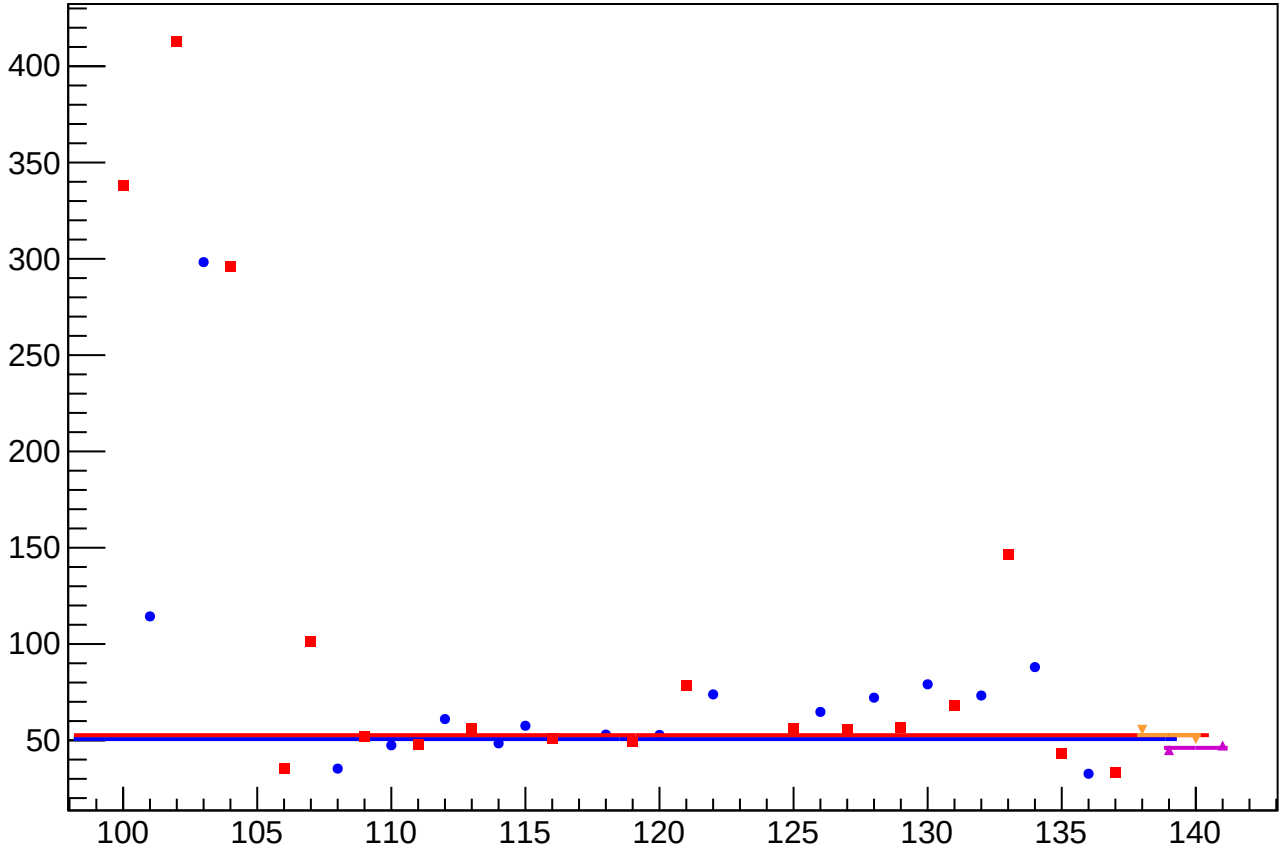
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.019 χ^2/NDF:12.5/17

Out: -0.026+/-0.021 χ^2/NDF:16.1/19

All: -0.010+/-0.014 χ^2/NDF: 29.9/37

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 52.743+/-0.032 χ^2/NDF:5831.7/1

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.099+/-0.027 χ^2/NDF:1954.0/1

Left: 48.893+/-0.020 χ^2/NDF: 33523.3/3

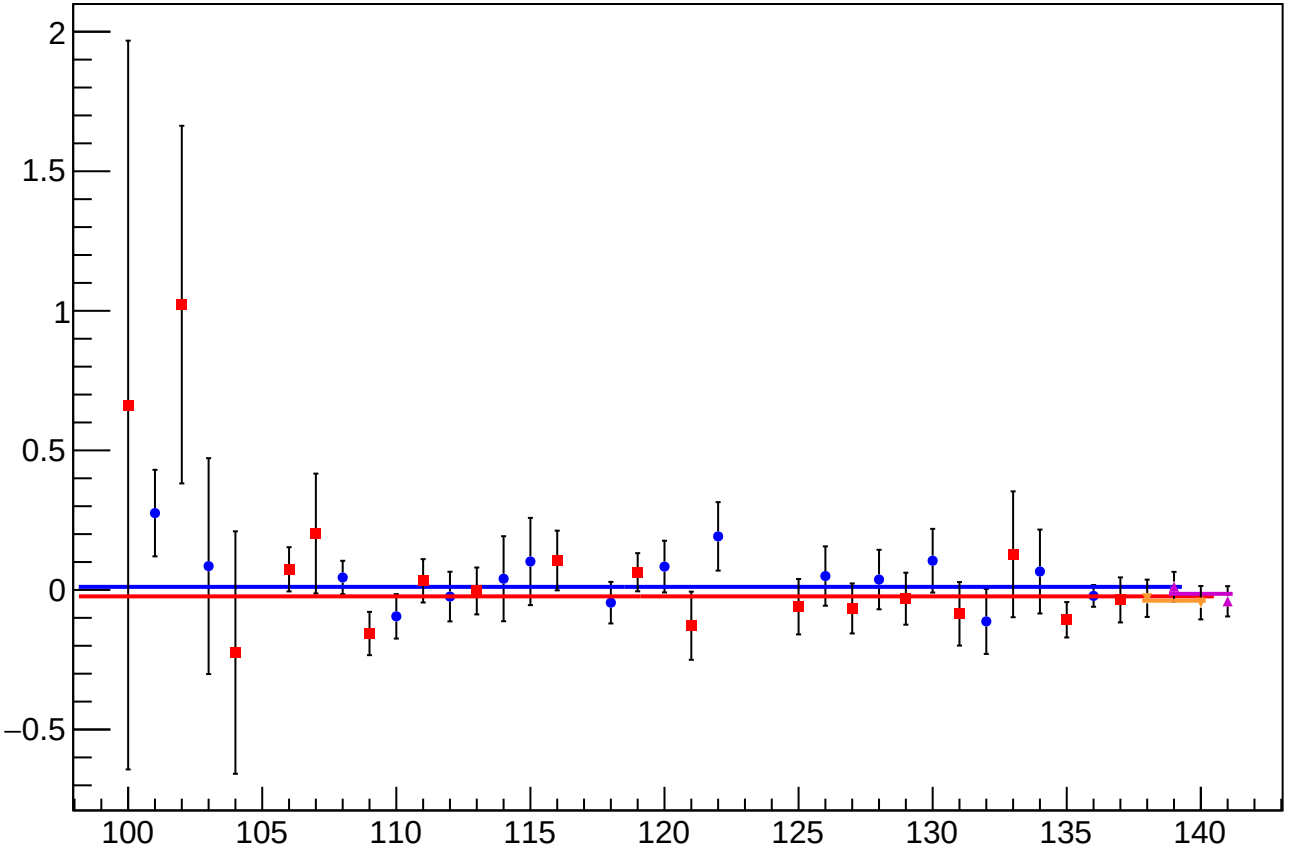
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 49.513+/-0.013 χ^2/NDF:2289920.5/17

Out: 52.682+/-0.015 χ^2/NDF:2217774.4/19

All: 50.972+/-0.010 χ^2/NDF: 4533438.9/37

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.039+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.014+/-0.038 χ^2/NDF:0.5/1

Left: -0.024+/-0.029 χ^2/NDF: 0.7/3

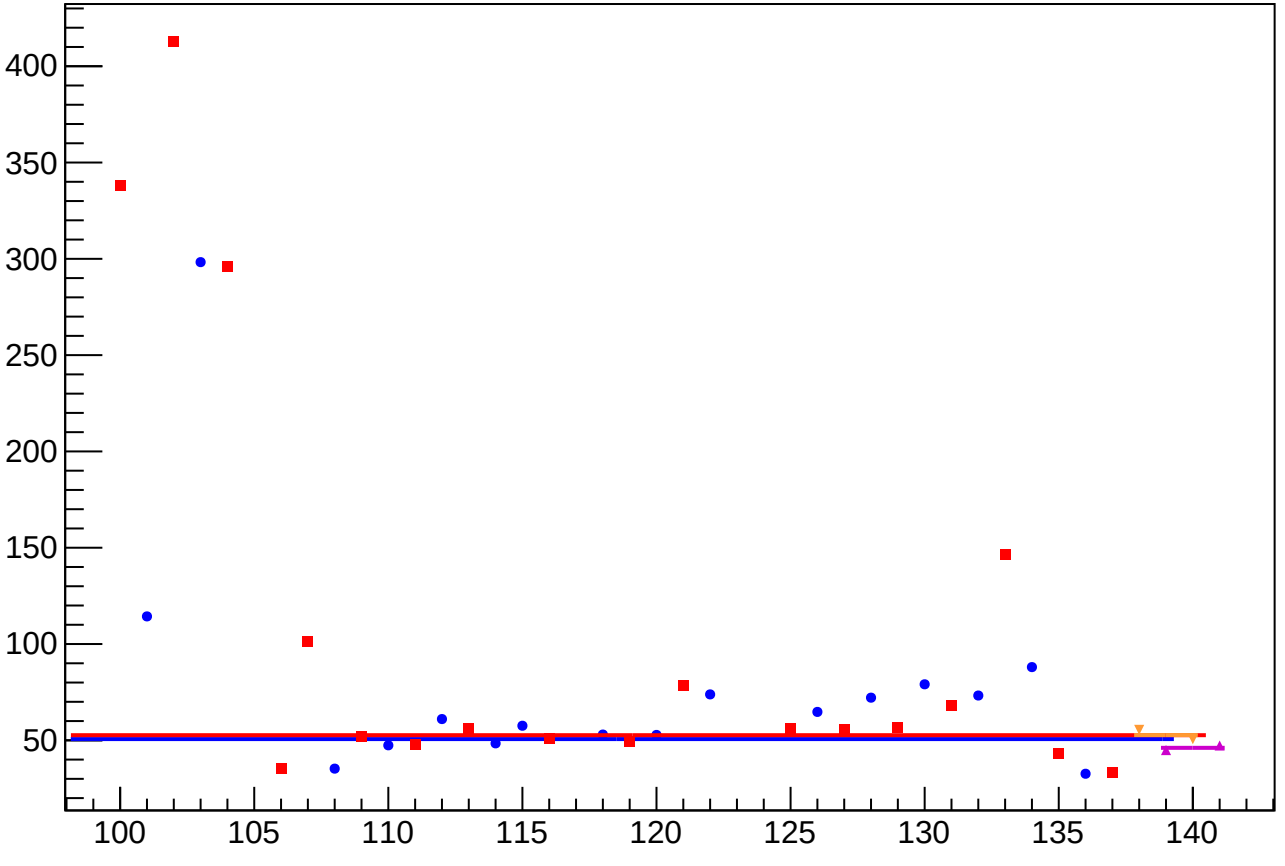
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.019 χ^2/NDF:12.5/17

Out: -0.026+/-0.021 χ^2/NDF:16.1/19

All: -0.010+/-0.014 χ^2/NDF: 29.9/37

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 52.743+/-0.032 χ^2/NDF:5831.7/1

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.099+/-0.027 χ^2/NDF:1954.0/1

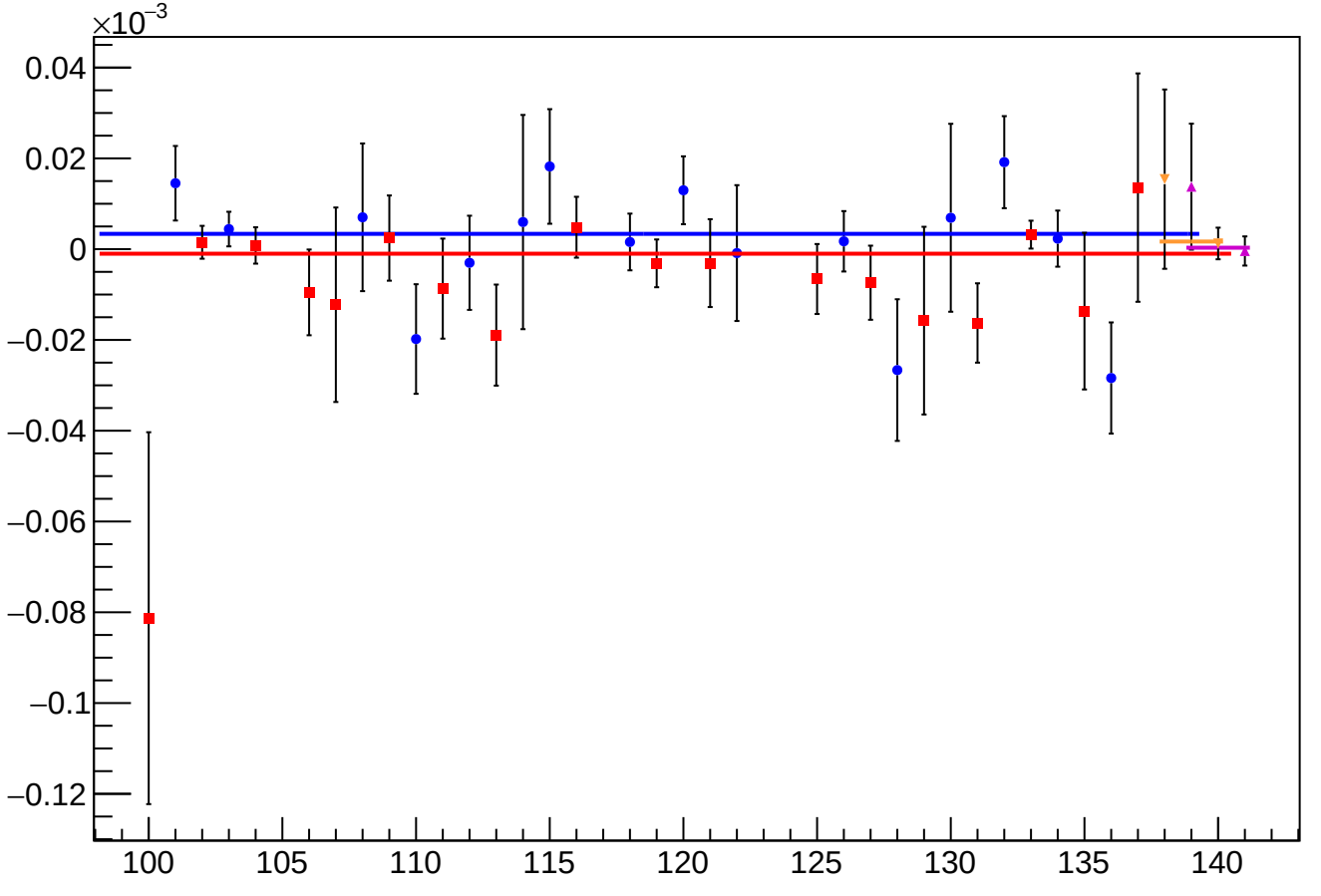
Left: 48.893+/-0.020 χ^2/NDF: 33523.3/3

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 49.513+/-0.013 χ^2/NDF:2289920.5/17

Out: 52.682+/-0.015 χ^2/NDF:2217774.4/19

All: 50.972+/-0.010 χ^2/NDF: 4533438.9/37



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

Left: 0.000+/-0.000 χ^2/NDF: 1.6/3

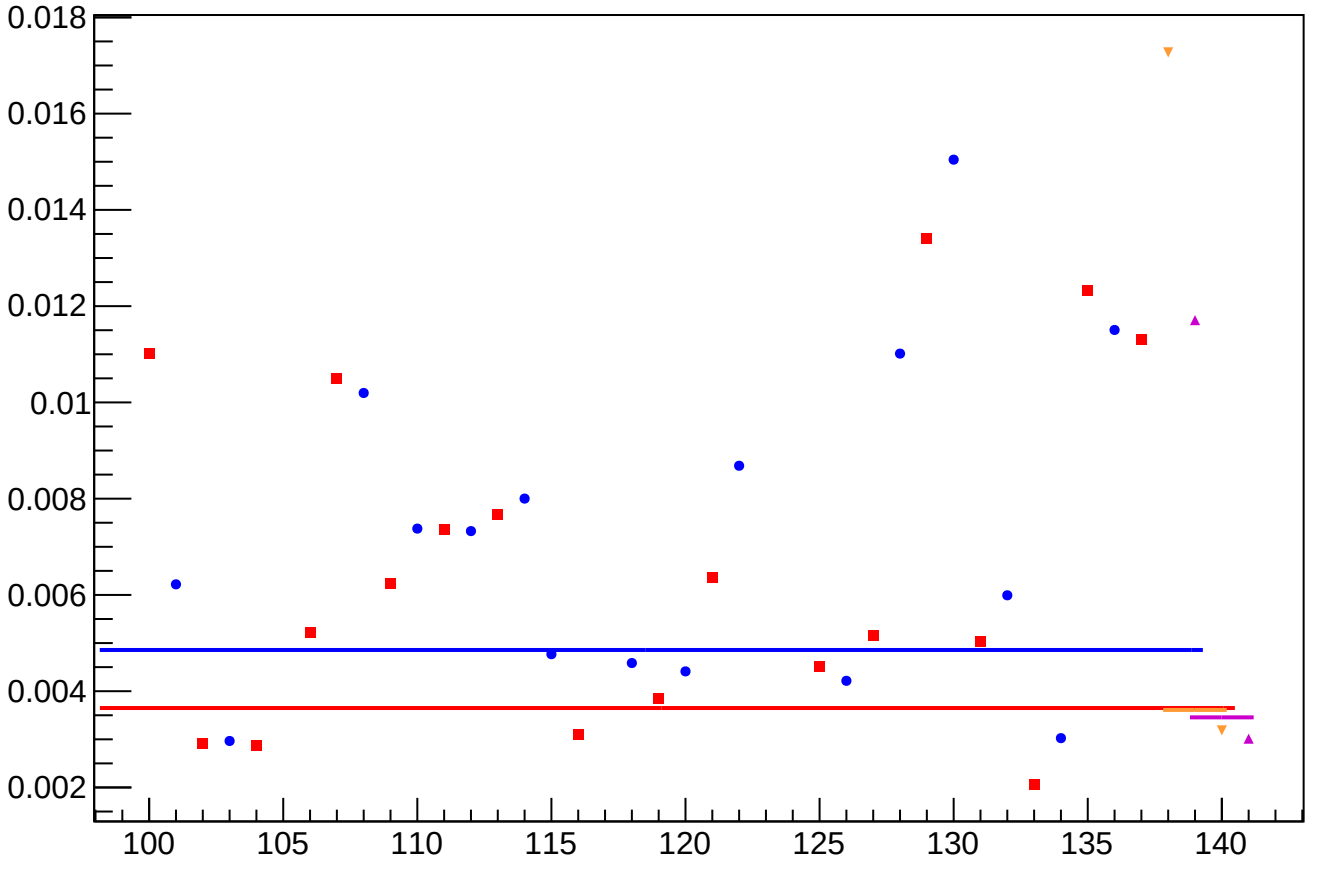
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:23.9/17

Out: -0.000+/-0.000 χ^2/NDF:18.2/19

All: 0.000+/-0.000 χ^2/NDF: 43.9/37

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:986758.9/1

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.003+/-0.000 χ^2/NDF:745481.1/1

Left: 0.004+/-0.000 χ^2/NDF: 1734450.6/3

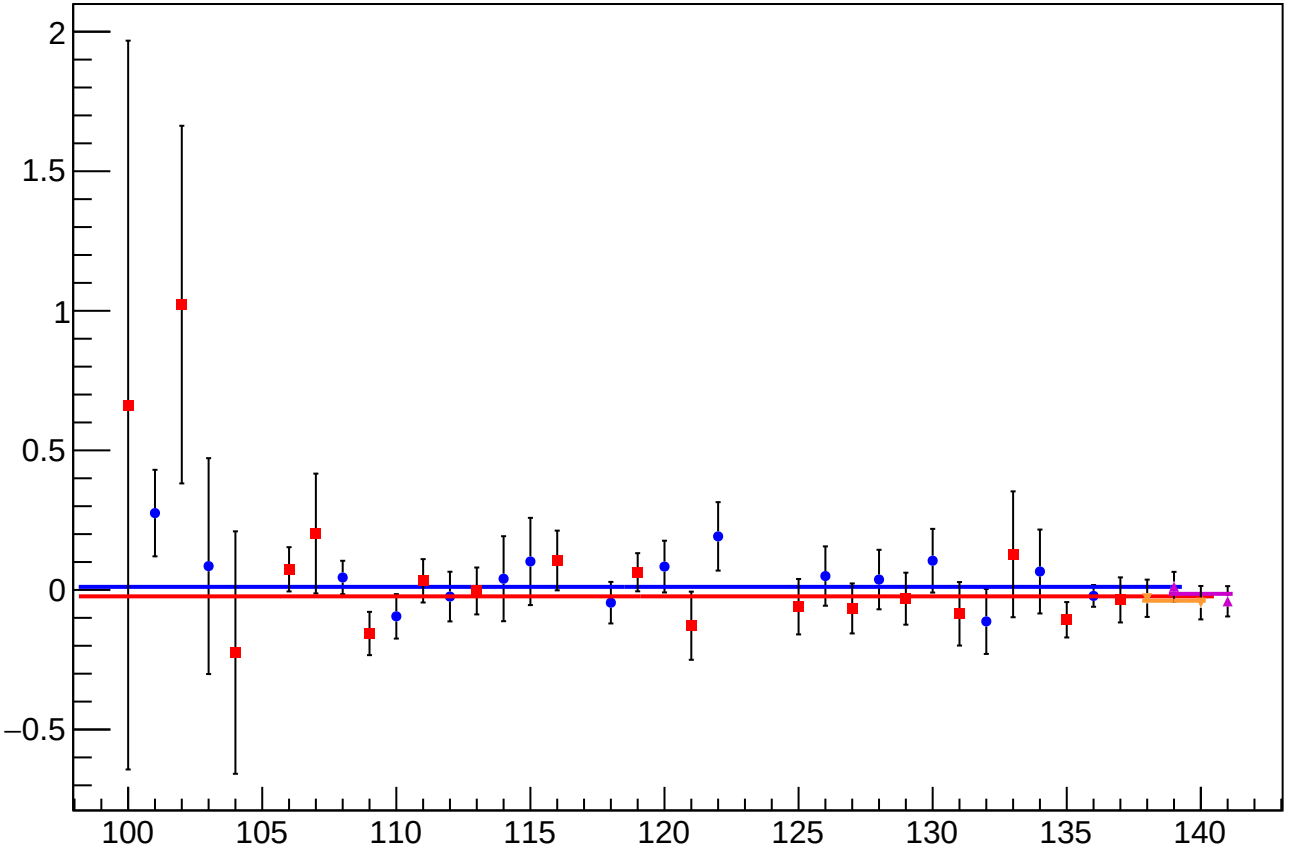
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.004+/-0.000 χ^2/NDF:3768021.9/17

Out: 0.004+/-0.000 χ^2/NDF:4095828.7/19

All: 0.004+/-0.000 χ^2/NDF: 8108193.8/37

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.039+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.014+/-0.038 χ^2/NDF:0.5/1

Left: -0.024+/-0.029 χ^2/NDF: 0.7/3

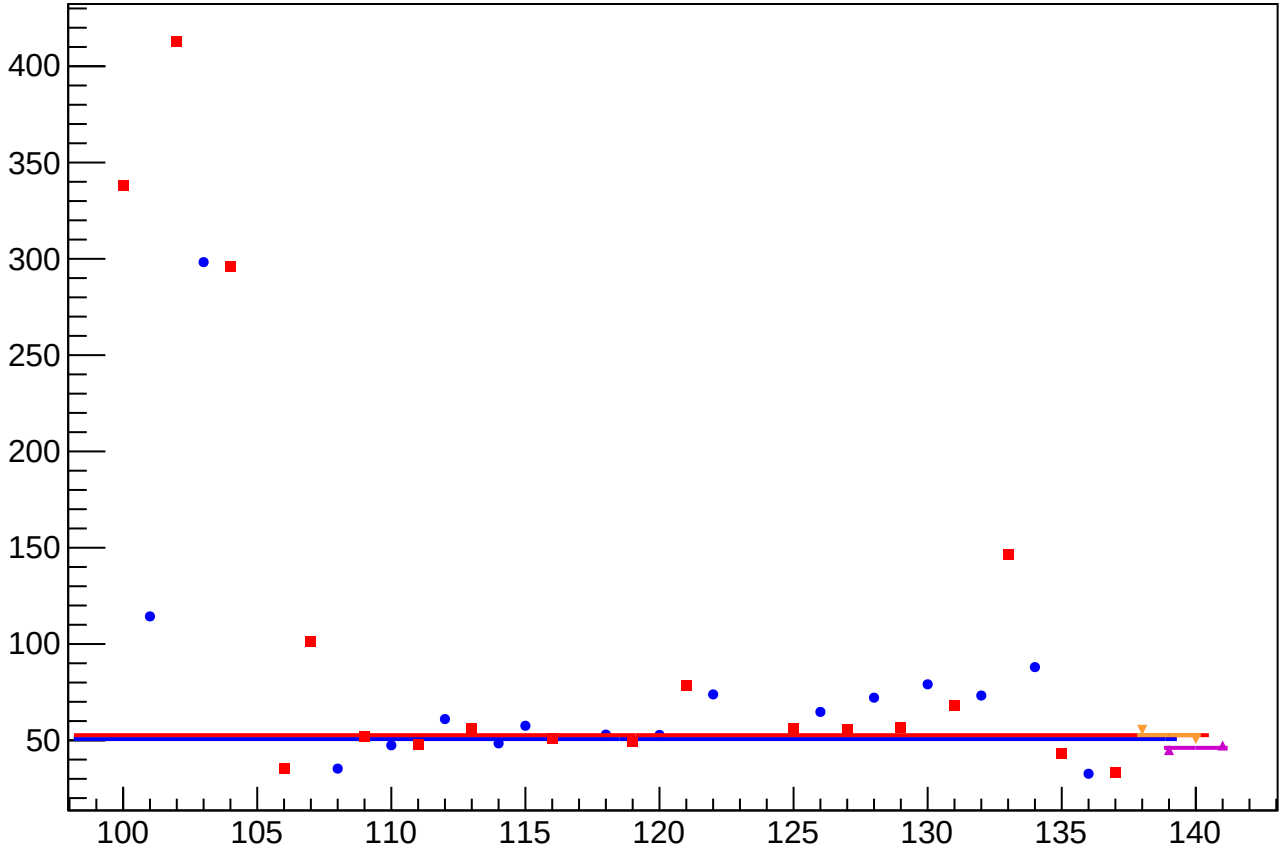
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.019 χ^2/NDF:12.5/17

Out: -0.026+/-0.021 χ^2/NDF:16.1/19

All: -0.010+/-0.014 χ^2/NDF: 29.9/37

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 52.744+/-0.032 χ^2/NDF:5833.7/1

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.100+/-0.027 χ^2/NDF:1952.8/1

Left: 48.895+/-0.020 χ^2/NDF: 33519.1/3

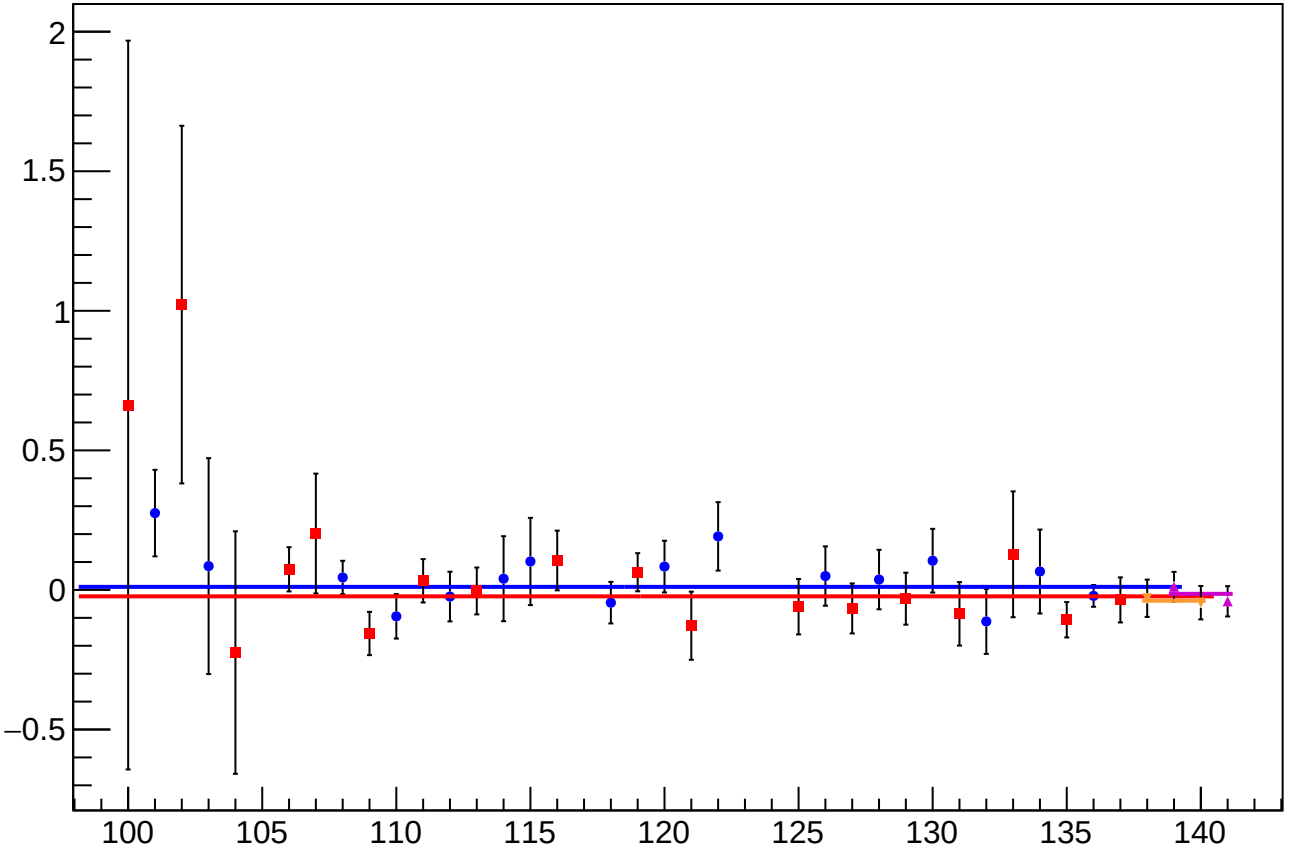
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 49.514+/-0.013 χ^2/NDF:2289808.1/17

Out: 52.683+/-0.015 χ^2/NDF:2217660.6/19

All: 50.973+/-0.010 χ^2/NDF: 4533213.3/37

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.039+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.014+/-0.038 χ^2/NDF:0.5/1

Left: -0.024+/-0.029 χ^2/NDF: 0.7/3

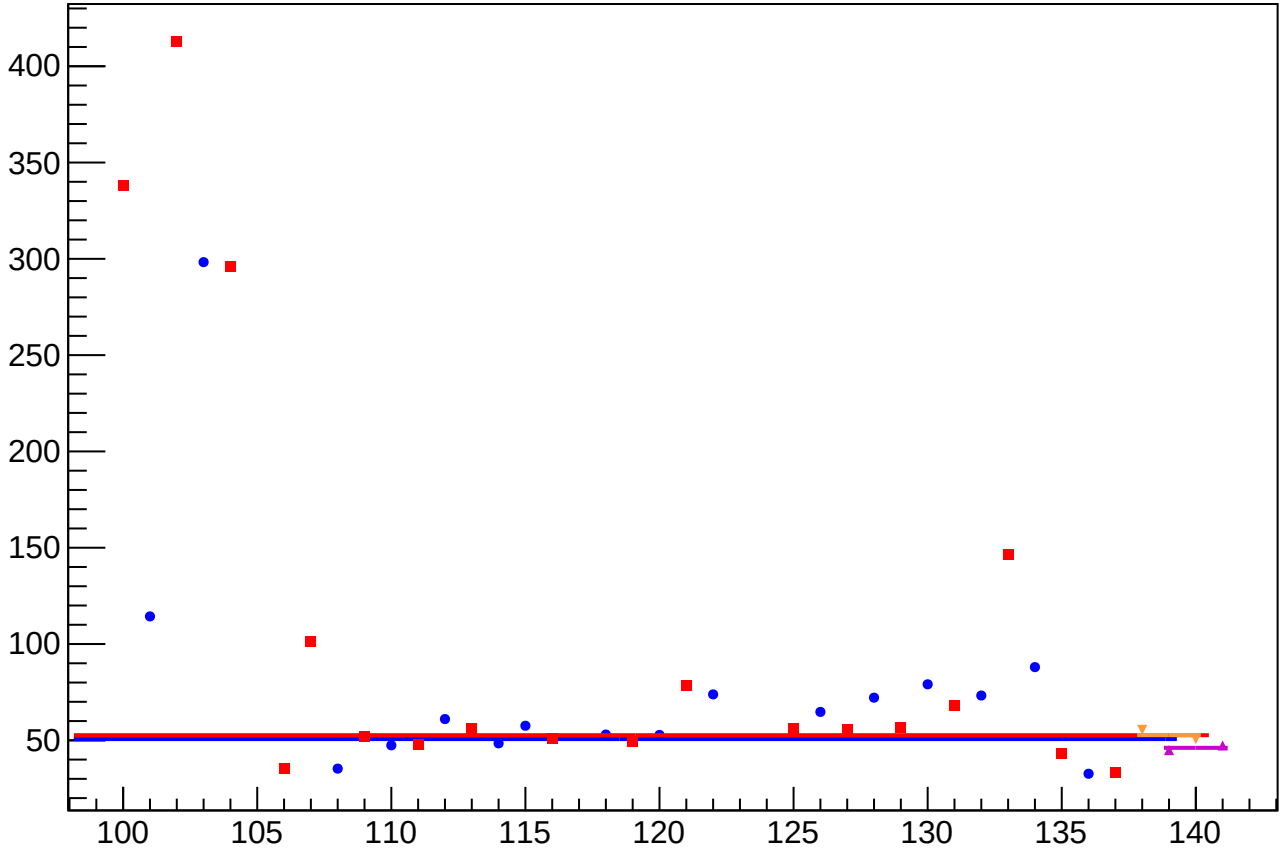
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.019 χ^2/NDF:12.5/17

Out: -0.026+/-0.021 χ^2/NDF:16.1/19

All: -0.010+/-0.014 χ^2/NDF: 29.9/37

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 52.744+/-0.032 χ^2/NDF:5833.7/1

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.100+/-0.027 χ^2/NDF:1952.8/1

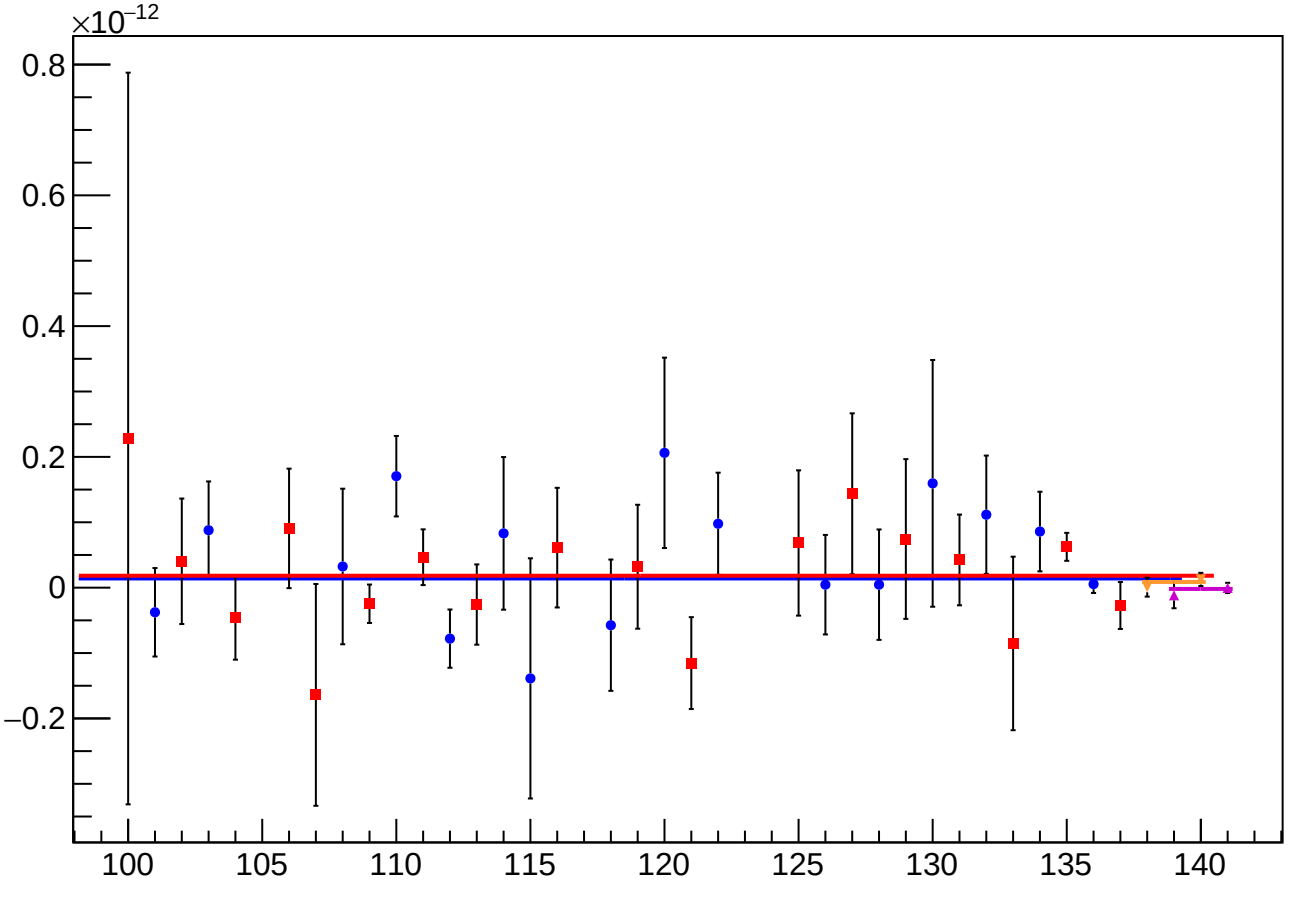
Left: 48.895+/-0.020 χ^2/NDF: 33519.1/3

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 49.514+/-0.013 χ^2/NDF:2289808.1/17

Out: 52.683+/-0.015 χ^2/NDF:2217660.6/19

All: 50.973+/-0.010 χ^2/NDF: 4533213.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

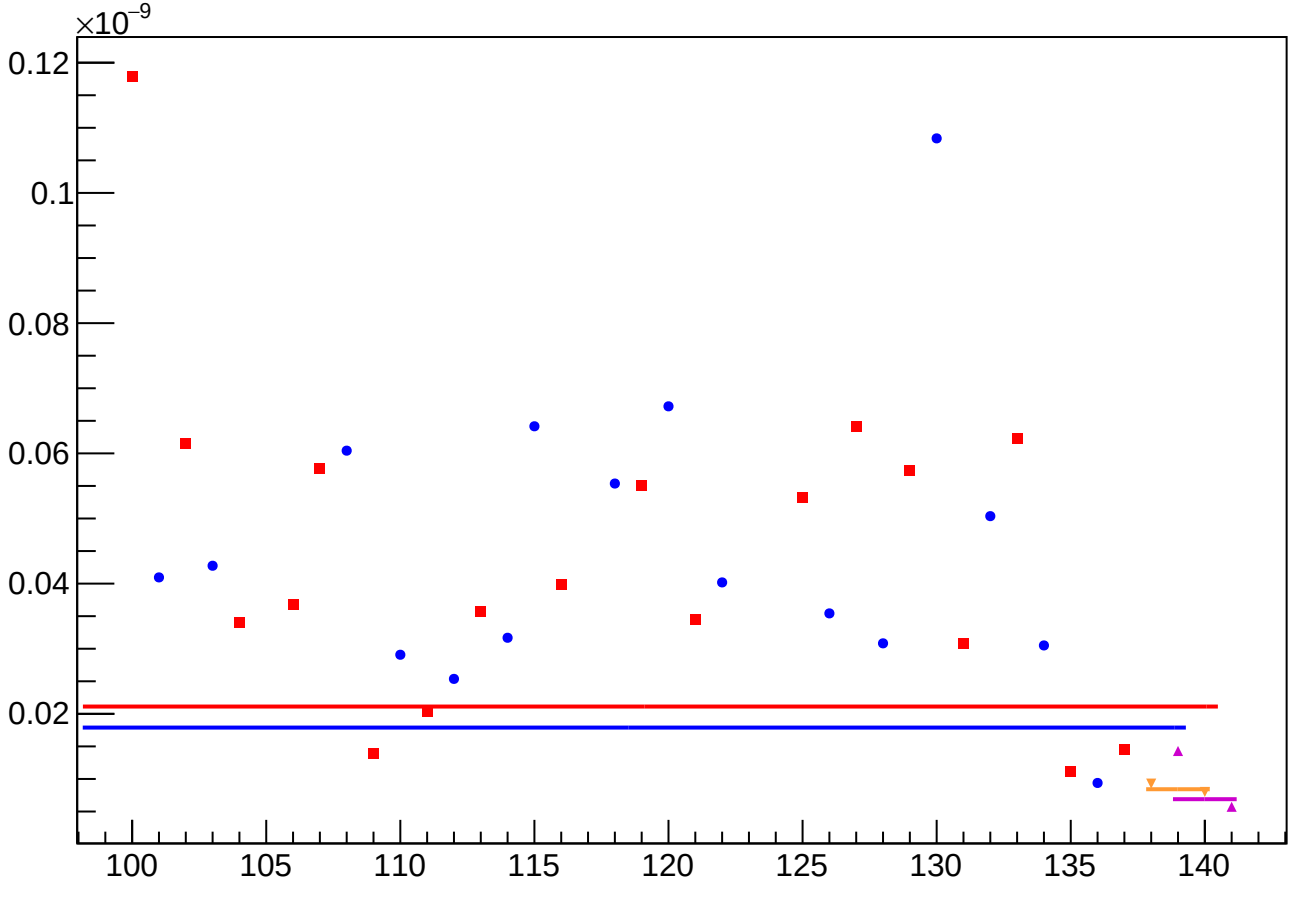
Left: 0.000+/-0.000 χ^2/NDF: 1.7/3

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:22.0/17

Out: 0.000+/-0.000 χ^2/NDF:18.9/19

All: 0.000+/-0.000 χ^2/NDF: 41.8/37



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10618.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:324380.4/1

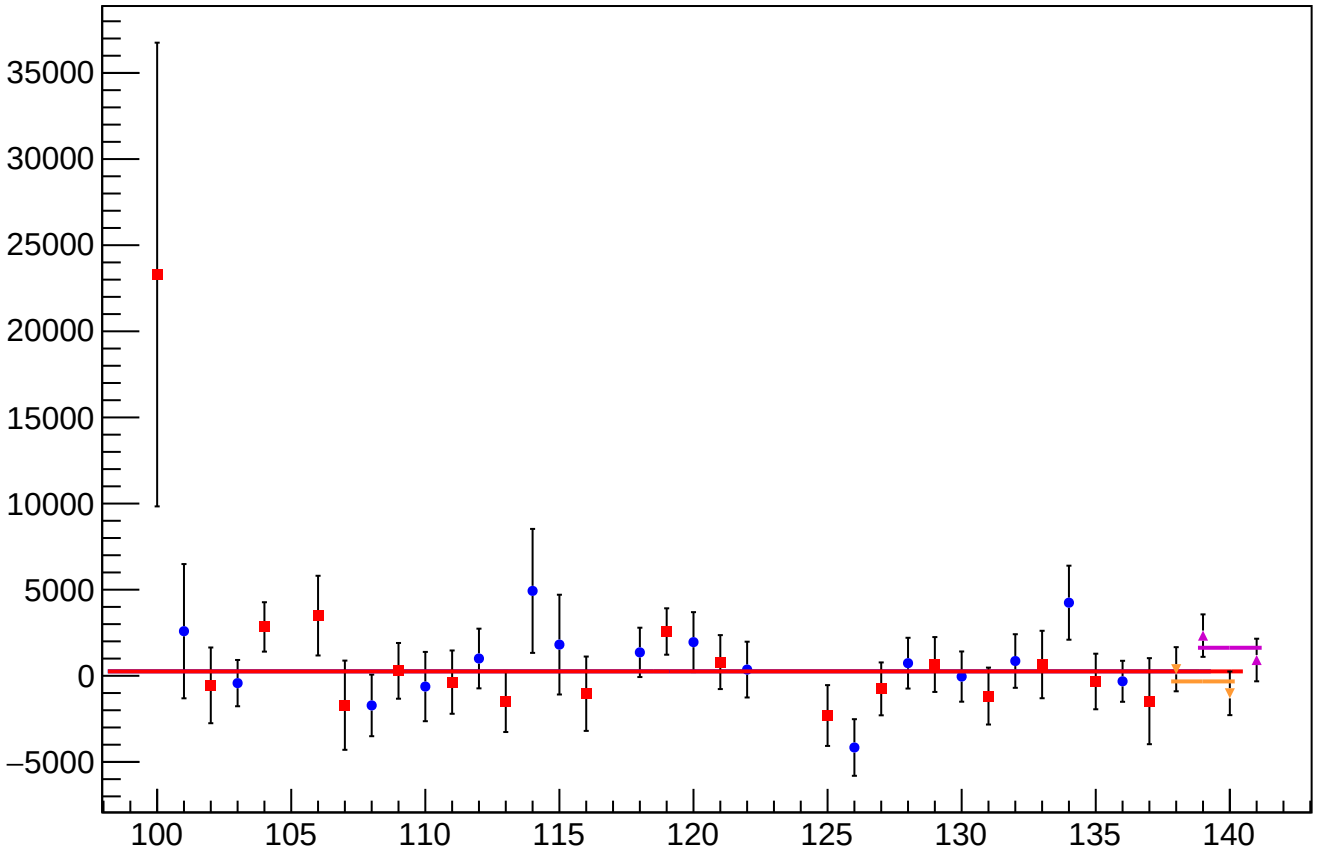
Left: 0.000+/-0.000 χ^2/NDF: 373574.5/3

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5057189.2/17

Out: 0.000+/-0.000 χ^2/NDF:4064406.5/19

All: 0.000+/-0.000 χ^2/NDF: 9229965.7/37



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -325.211+/-900.824 χ^2/NDF:0.6/1

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 1627.616+/-873.084 χ^2/NDF:0.7/1

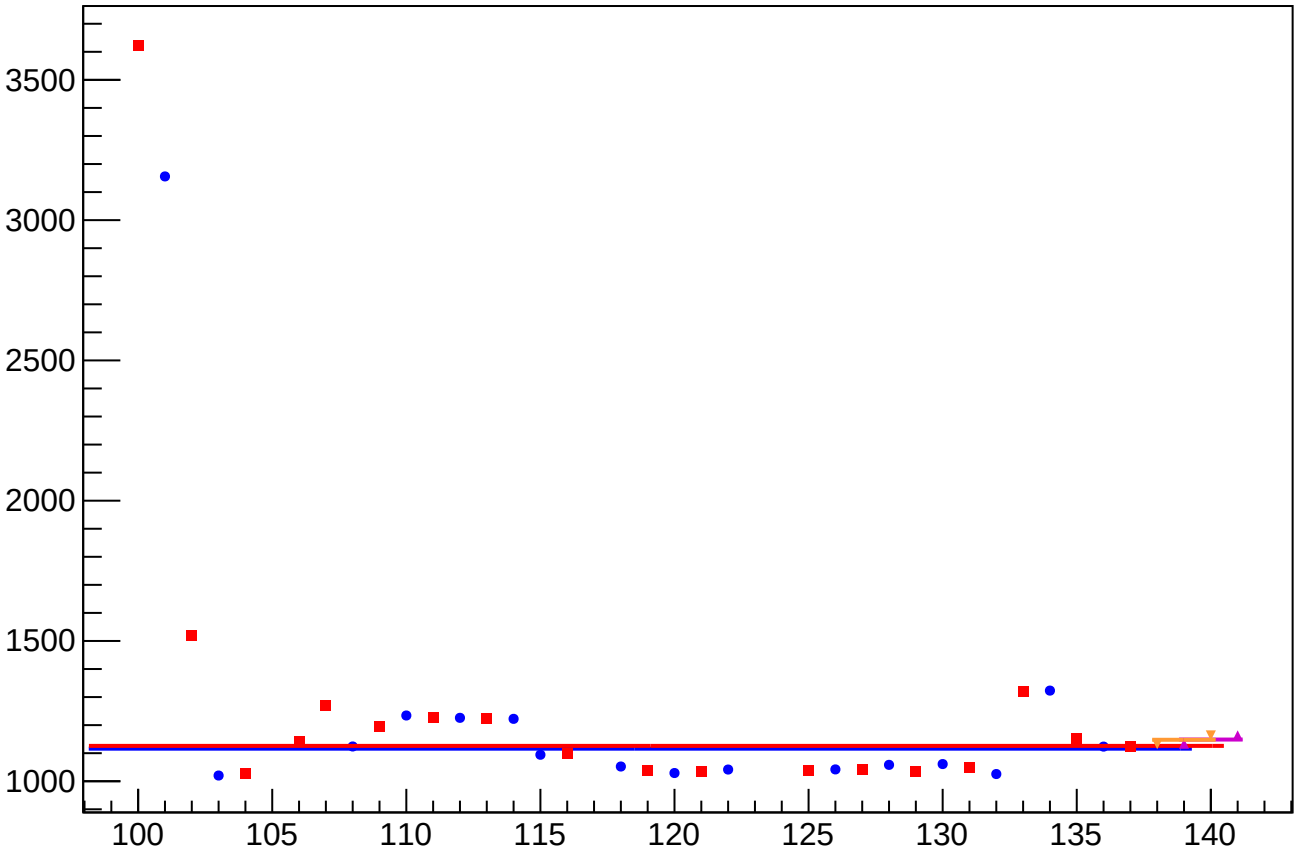
Left: 681.733+/-626.941 χ^2/NDF: 3.7/3

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 522.287+/-381.881 χ^2/NDF:19.6/17

Out: 149.810+/-384.950 χ^2/NDF:18.3/19

All: 337.539+/-271.109 χ^2/NDF: 38.4/37



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1147.764+/-0.637 χ^2/NDF:610.3/1

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1148.589+/-0.617 χ^2/NDF:580.5/1

Left: 1148.189+/-0.443 χ^2/NDF: 1191.7/3

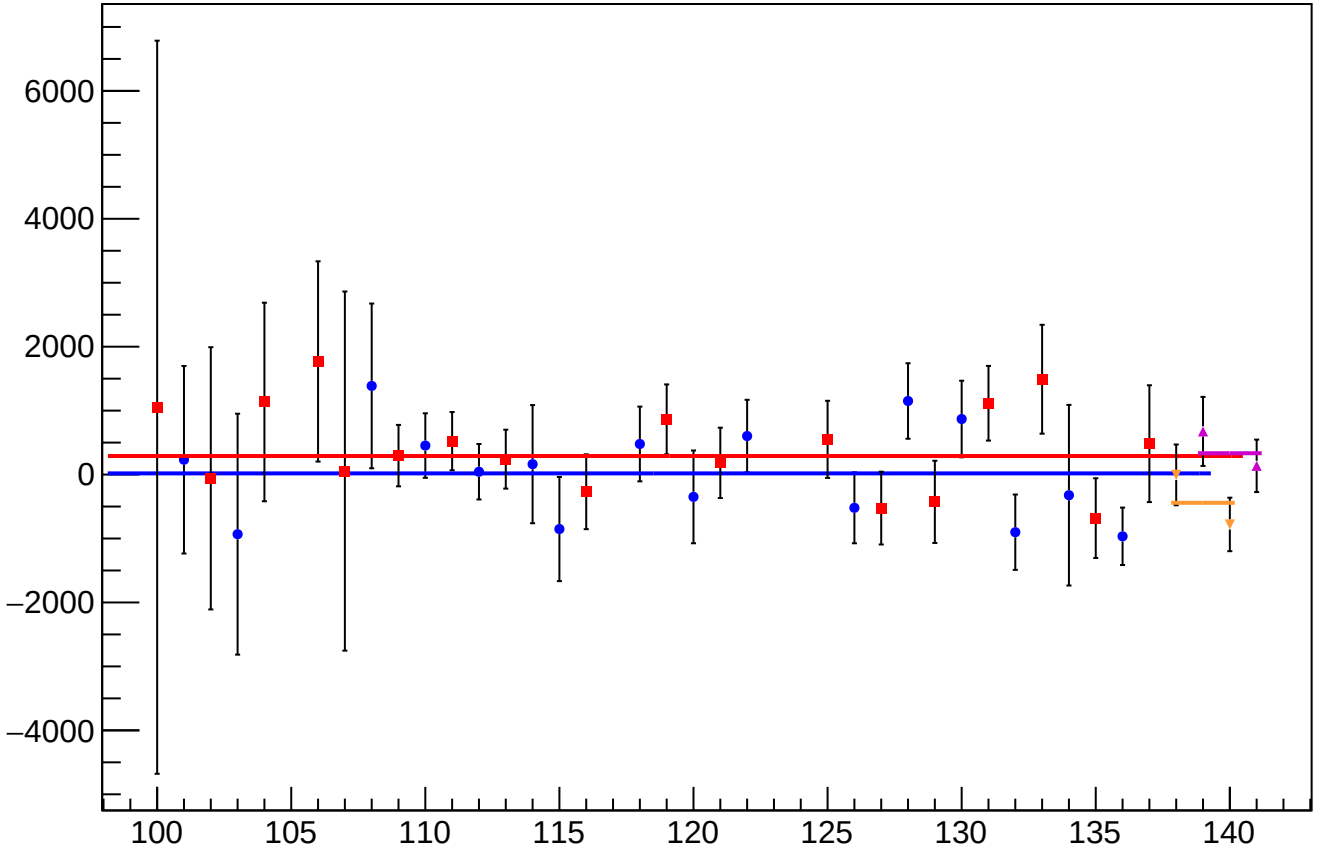
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1122.307+/-0.270 χ^2/NDF:626212.5/17

Out: 1129.987+/-0.272 χ^2/NDF:223669.1/19

All: 1126.116+/-0.192 χ^2/NDF: 850282.8/37

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -441.321+/-313.952 χ^2/NDF:1.5/1

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 333.774+/-326.579 χ^2/NDF:0.6/1

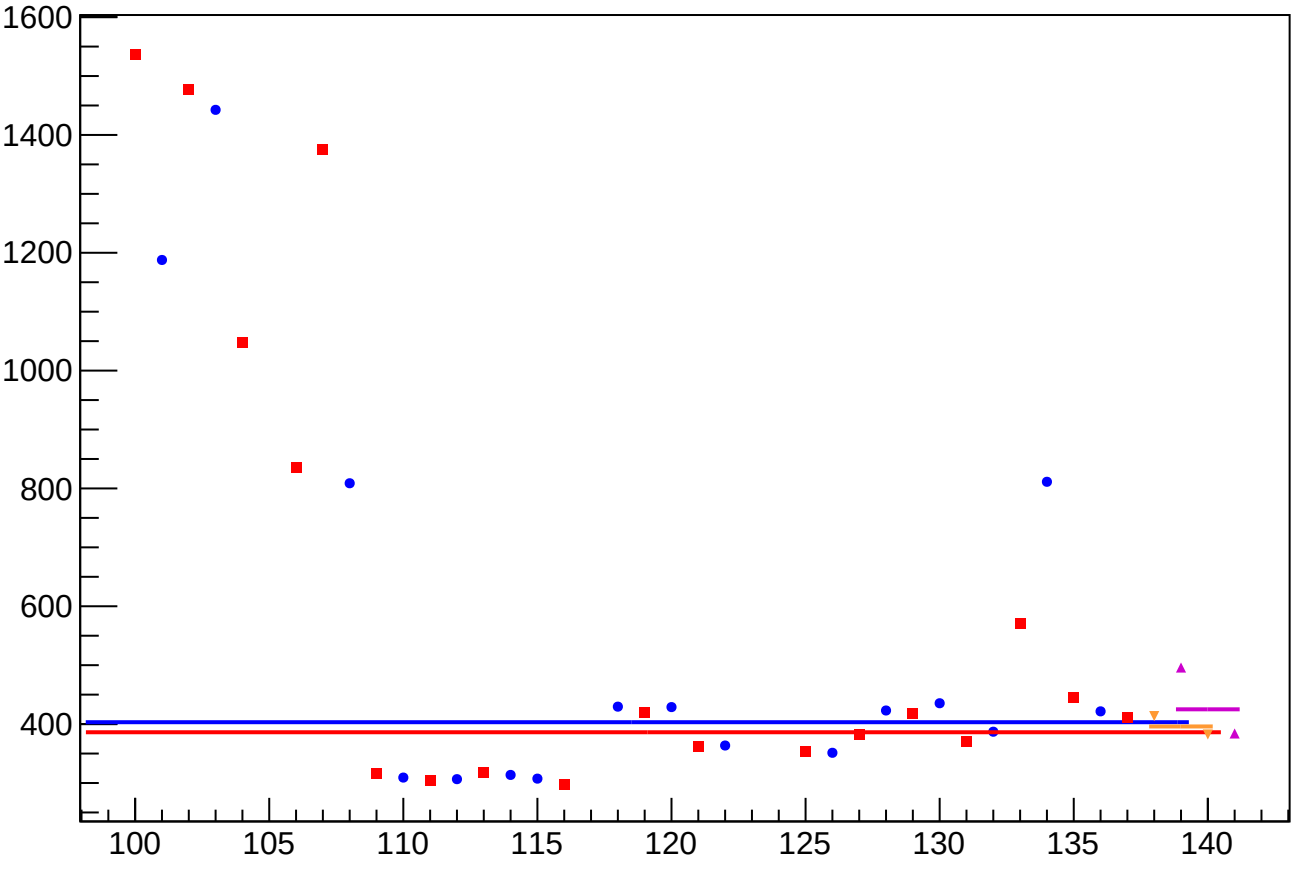
Left: -69.048+/-226.330 χ^2/NDF: 5.1/3

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 80.262+/-144.576 χ^2/NDF:20.6/17

Out: 144.865+/-139.840 χ^2/NDF:19.3/19

All: 113.639+/-100.514 χ^2/NDF: 40.0/37



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 395.981+/-0.222 χ^2/NDF:4869.3/1

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 425.072+/-0.231 χ^2/NDF:54549.6/1

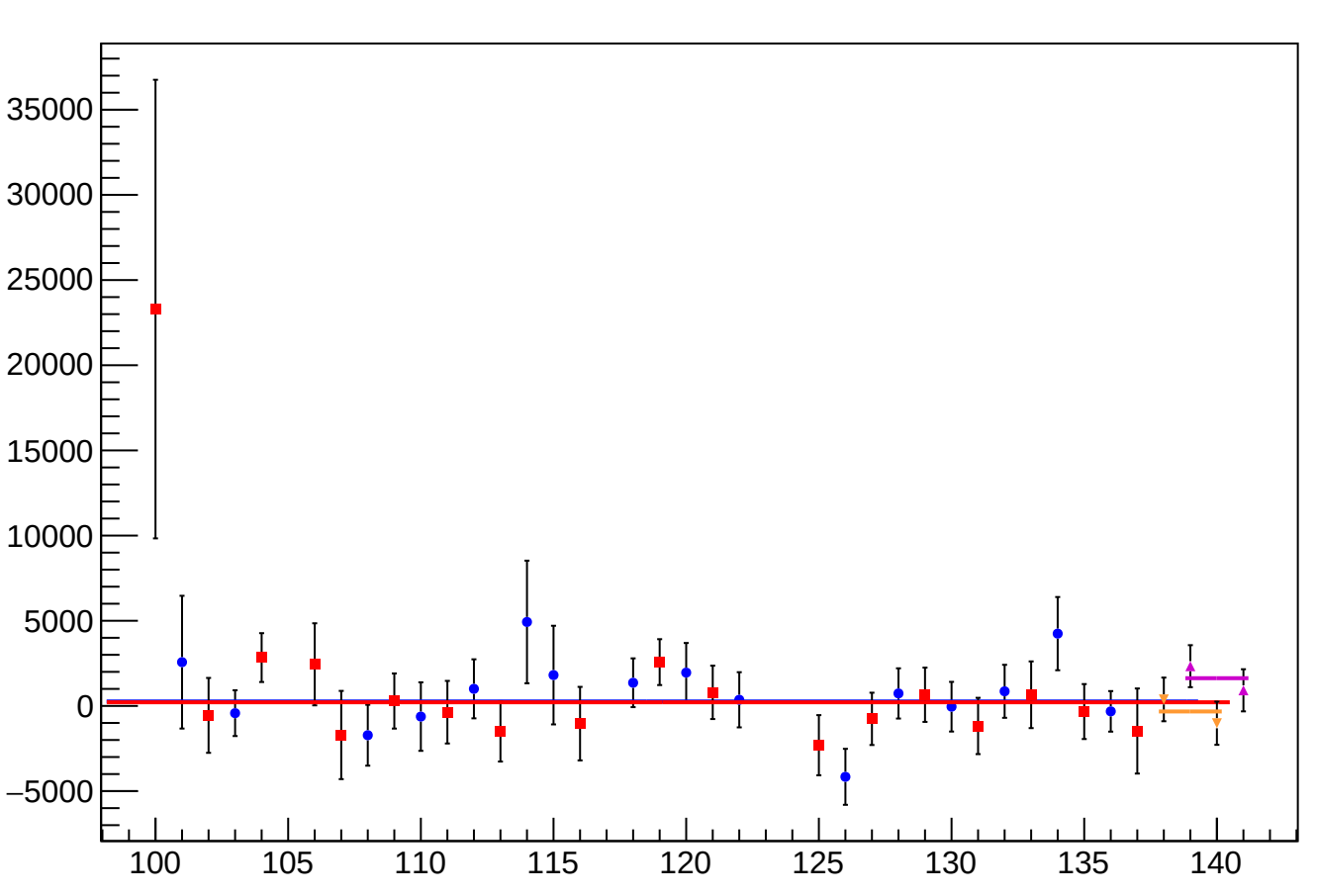
Left: 409.953+/-0.160 χ^2/NDF: 67666.5/3

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 407.482+/-0.102 χ^2/NDF:1870198.5/17

Out: 388.097+/-0.099 χ^2/NDF:1765556.4/19

All: 397.467+/-0.071 χ^2/NDF: 3654330.4/37



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -325.186+/-900.824 χ^2/NDF:0.6/1

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 1627.654+/-873.084 χ^2/NDF:0.7/1

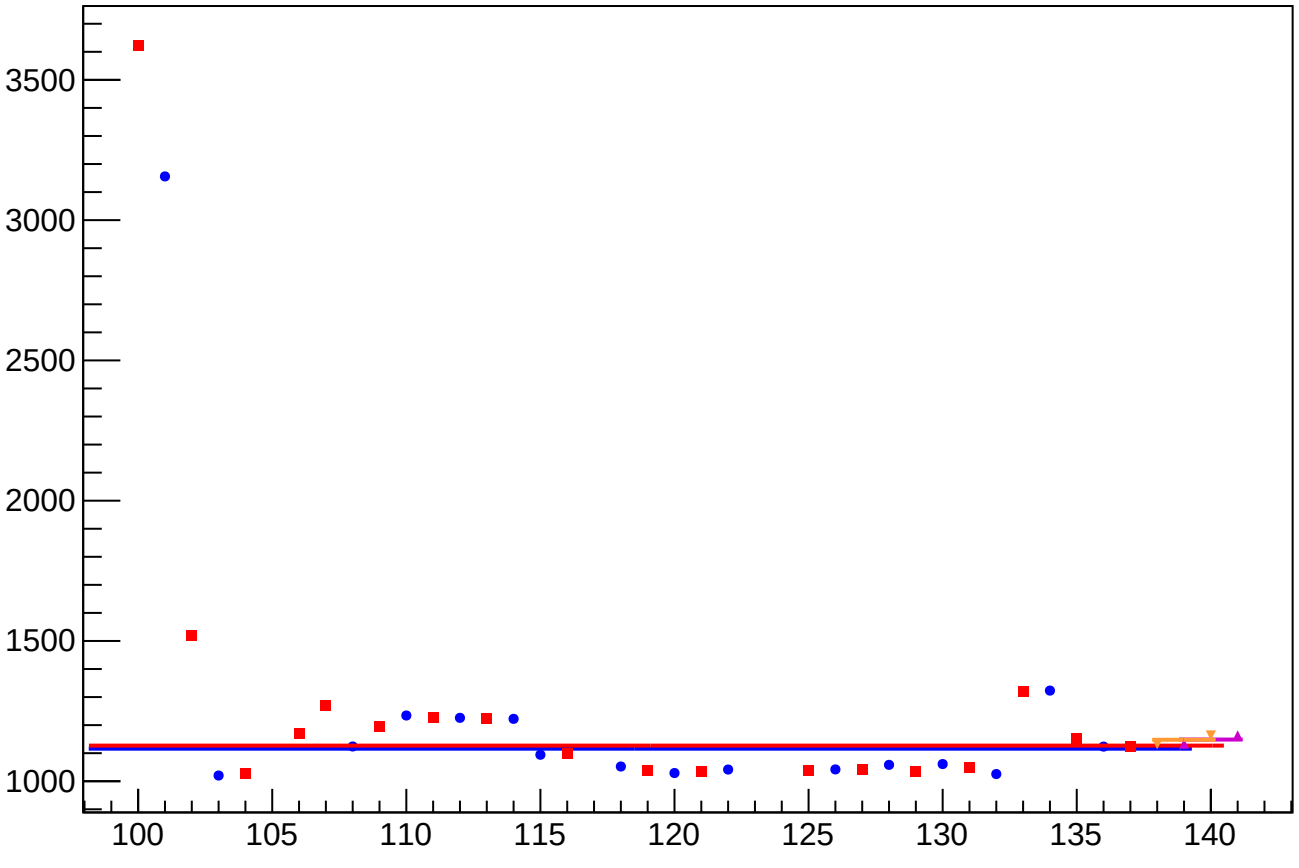
Left: 681.765+/-626.941 χ^2/NDF: 3.7/3

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 521.986+/-381.881 χ^2/NDF:19.6/17

Out: 115.737+/-385.361 χ^2/NDF:17.1/19

All: 320.704+/-271.253 χ^2/NDF: 37.3/37



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1147.764+/-0.637 χ^2/NDF:610.3/1

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1148.589+/-0.617 χ^2/NDF:580.5/1

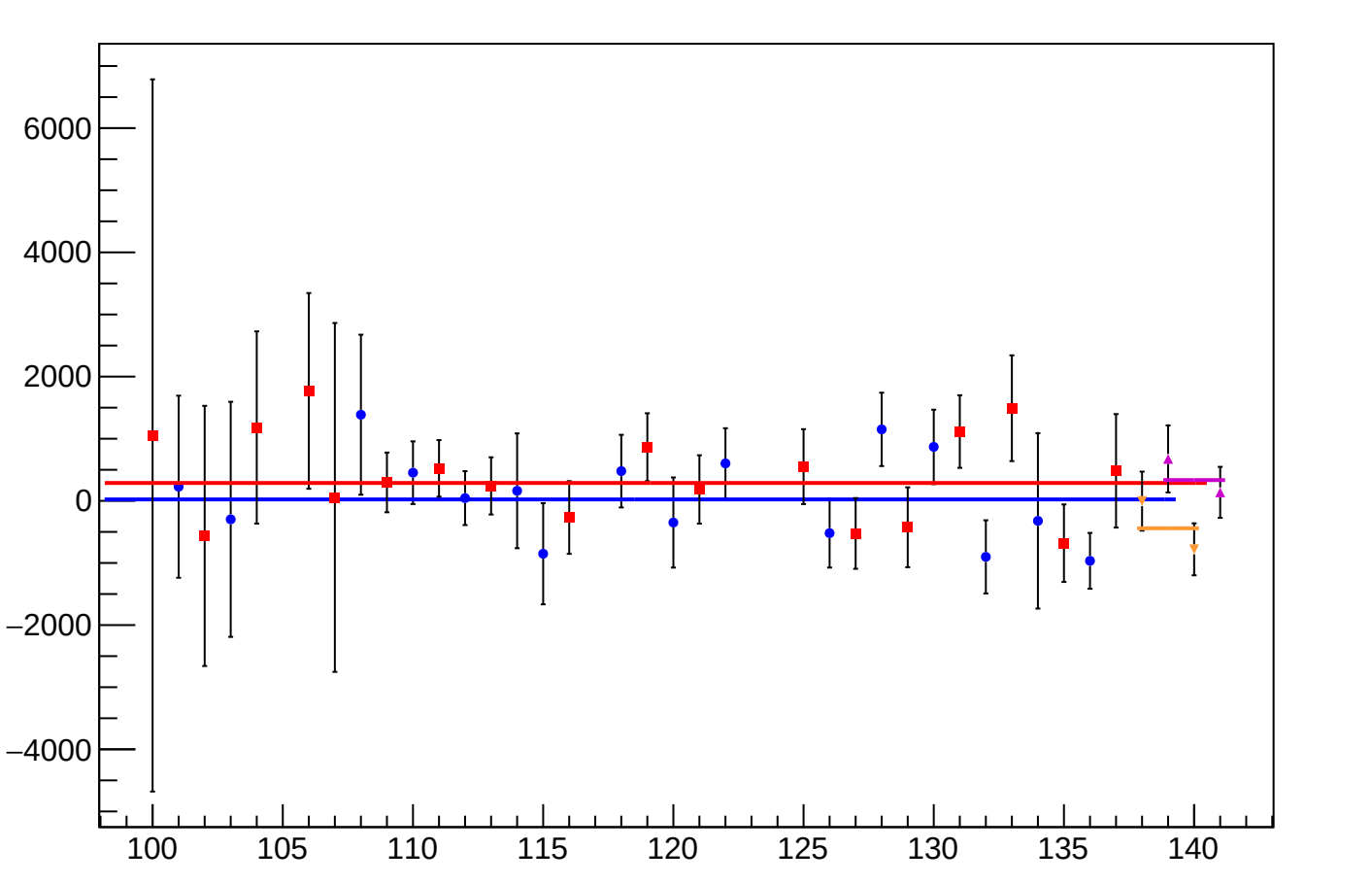
Left: 1148.189+/-0.443 χ^2/NDF: 1191.7/3

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1122.307+/-0.270 χ^2/NDF:626213.6/17

Out: 1130.767+/-0.272 χ^2/NDF:224221.9/19

All: 1126.499+/-0.192 χ^2/NDF: 850921.9/37



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -441.578+/-313.946 χ^2/NDF:1.5/1

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 334.029+/-326.576 χ^2/NDF:0.6/1

Left: -69.063+/-226.327 χ^2/NDF: 5.1/3

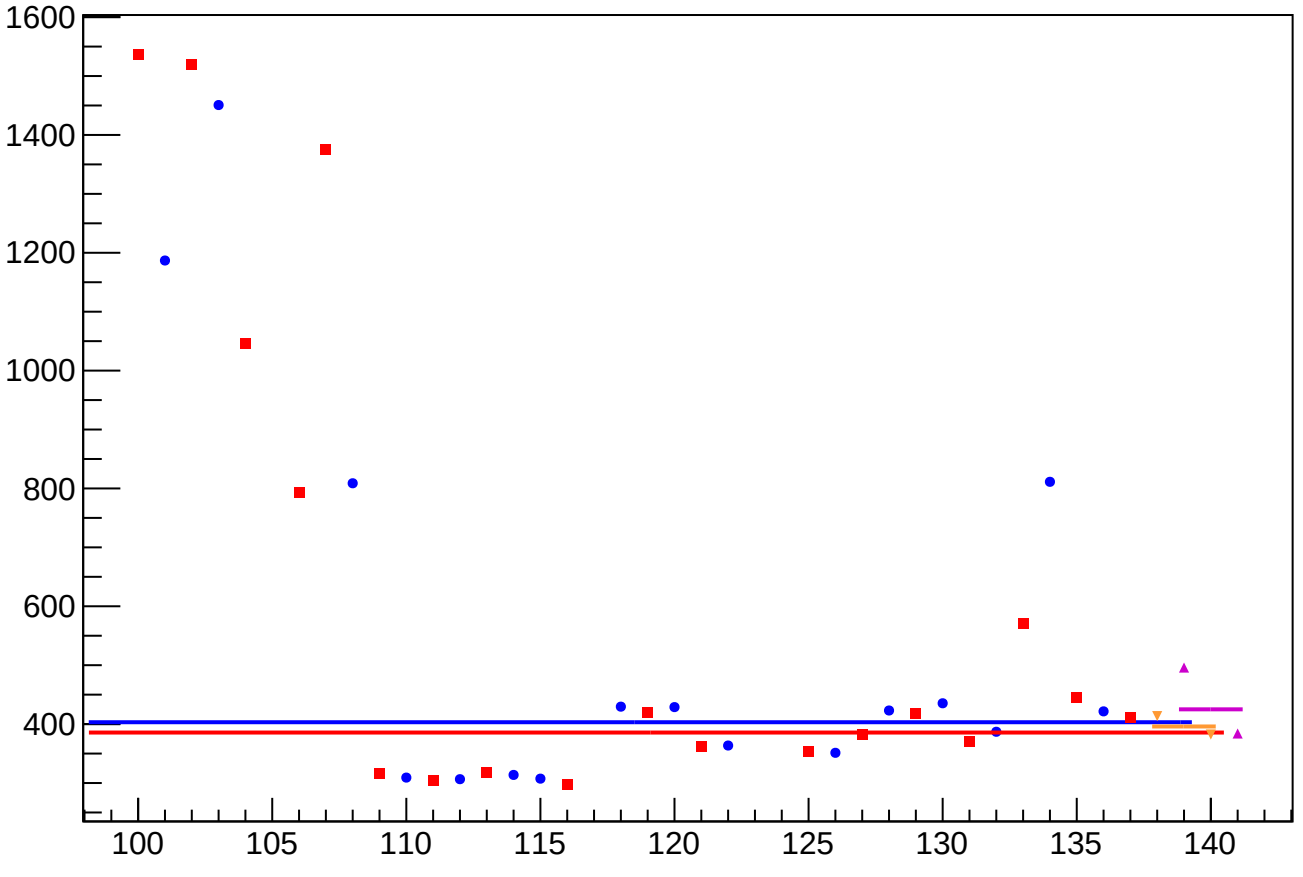
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 83.896+/-144.577 χ^2/NDF:20.3/17

Out: 142.906+/-139.856 χ^2/NDF:19.5/19

All: 114.380+/-100.521 χ^2/NDF: 39.9/37

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 395.974+/-0.222 χ^2/NDF:4871.7/1

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 425.068+/-0.231 χ^2/NDF:54537.9/1

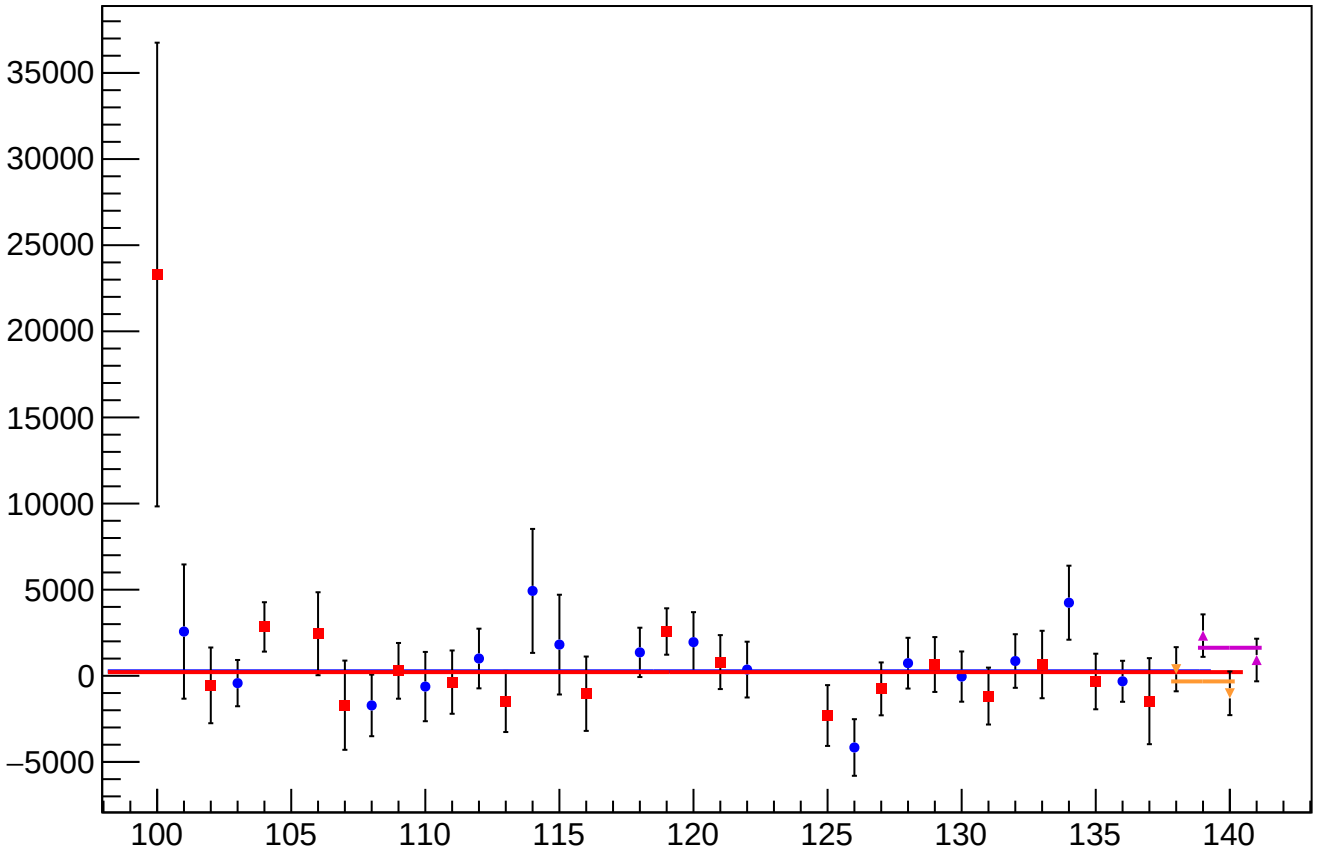
Left: 409.947+/-0.160 χ^2/NDF: 67659.0/3

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 407.471+/-0.102 χ^2/NDF:1873870.6/17

Out: 387.724+/-0.099 χ^2/NDF:1753746.9/19

All: 397.270+/-0.071 χ^2/NDF: 3646892.8/37



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -325.186+/-900.824 χ^2/NDF:0.6/1

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 1627.654+/-873.084 χ^2/NDF:0.7/1

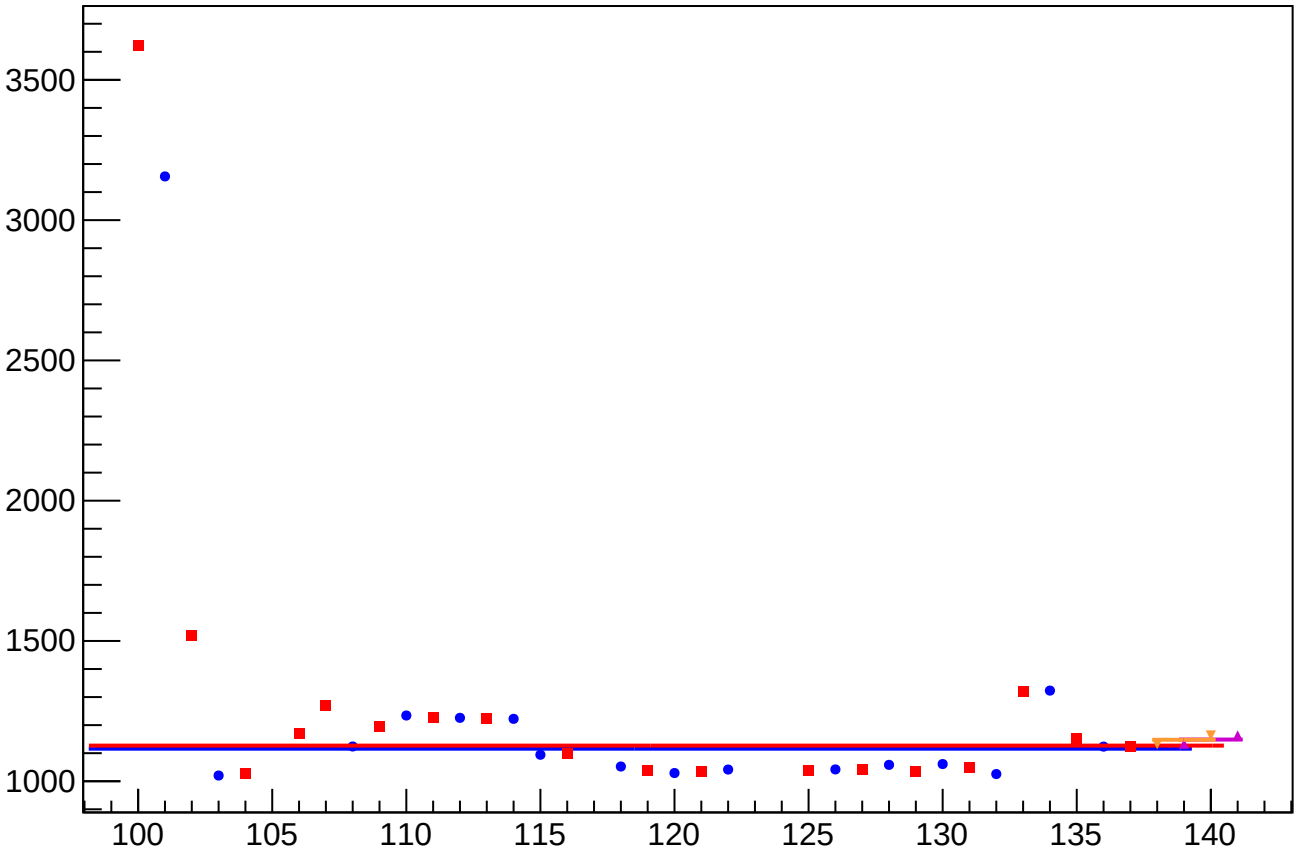
Left: 681.765+/-626.941 χ^2/NDF: 3.7/3

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 521.986+/-381.881 χ^2/NDF:19.6/17

Out: 115.737+/-385.361 χ^2/NDF:17.1/19

All: 320.704+/-271.253 χ^2/NDF: 37.3/37



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1147.764+/-0.637 χ^2/NDF:610.3/1

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1148.589+/-0.617 χ^2/NDF:580.5/1

Left: 1148.189+/-0.443 χ^2/NDF: 1191.7/3

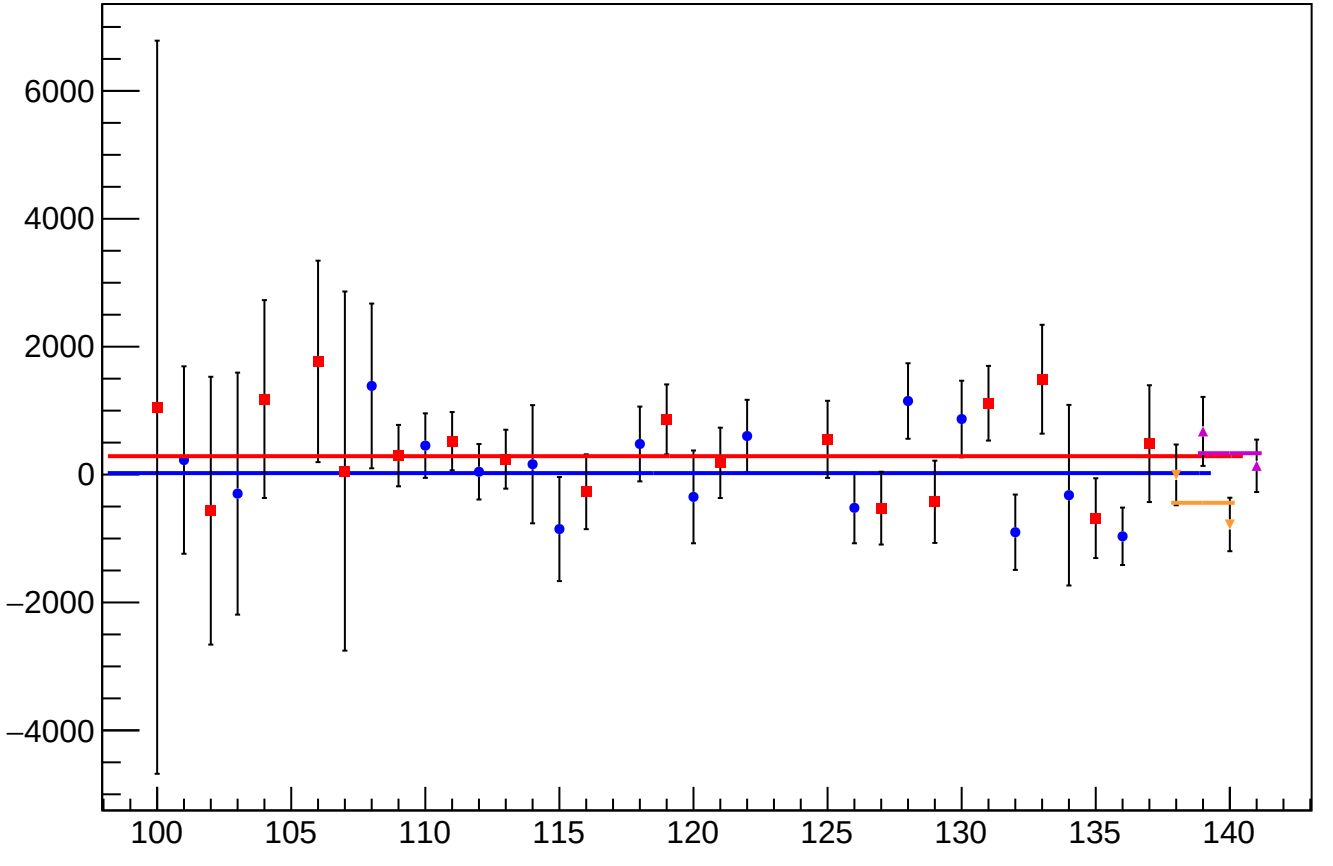
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1122.307+/-0.270 χ^2/NDF:626213.6/17

Out: 1130.767+/-0.272 χ^2/NDF:224221.9/19

All: 1126.499+/-0.192 χ^2/NDF: 850921.9/37

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -441.578+/-313.946 χ^2/NDF:1.5/1

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 334.029+/-326.576 χ^2/NDF:0.6/1

Left: -69.063+/-226.327 χ^2/NDF: 5.1/3

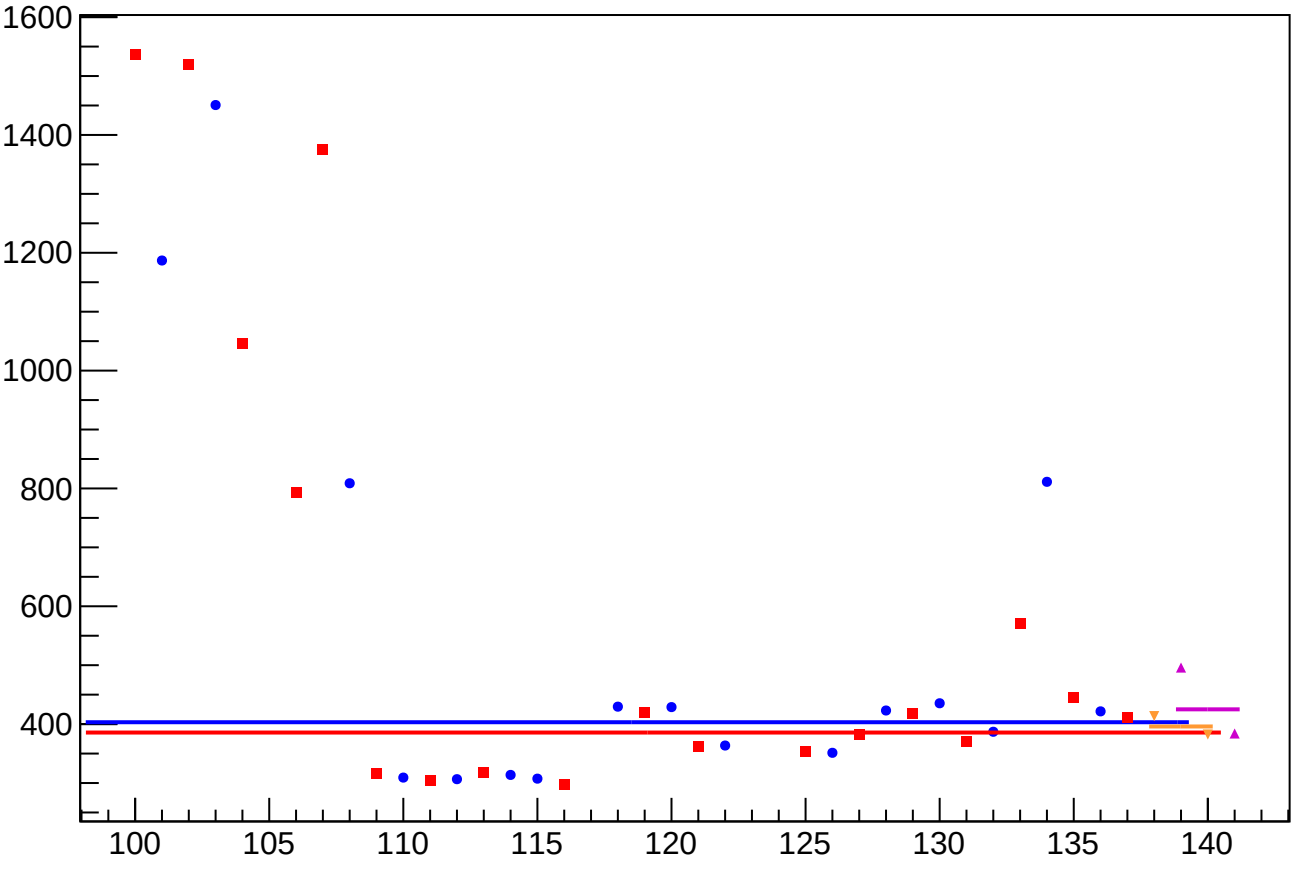
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 83.896+/-144.577 χ^2/NDF:20.3/17

Out: 142.906+/-139.856 χ^2/NDF:19.5/19

All: 114.380+/-100.521 χ^2/NDF: 39.9/37

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 395.974+/-0.222 χ^2/NDF:4871.7/1

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 425.068+/-0.231 χ^2/NDF:54537.9/1

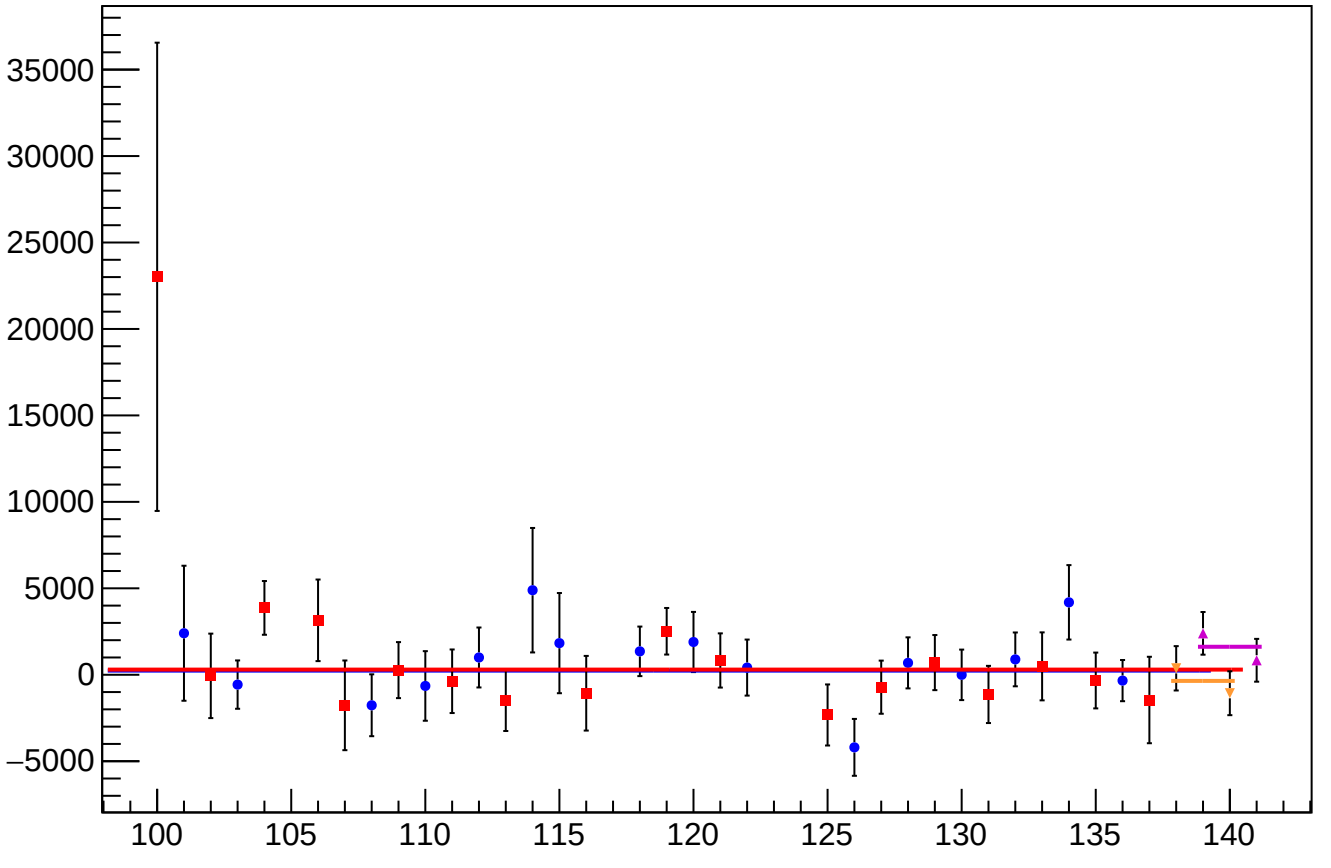
Left: 409.947+/-0.160 χ^2/NDF: 67659.0/3

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 407.471+/-0.102 χ^2/NDF:1873870.6/17

Out: 387.724+/-0.099 χ^2/NDF:1753746.9/19

All: 397.270+/-0.071 χ^2/NDF: 3646892.8/37



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -354.963+/-901.834 χ^2/NDF:0.6/1

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 1619.417+/-873.939 χ^2/NDF:0.8/1

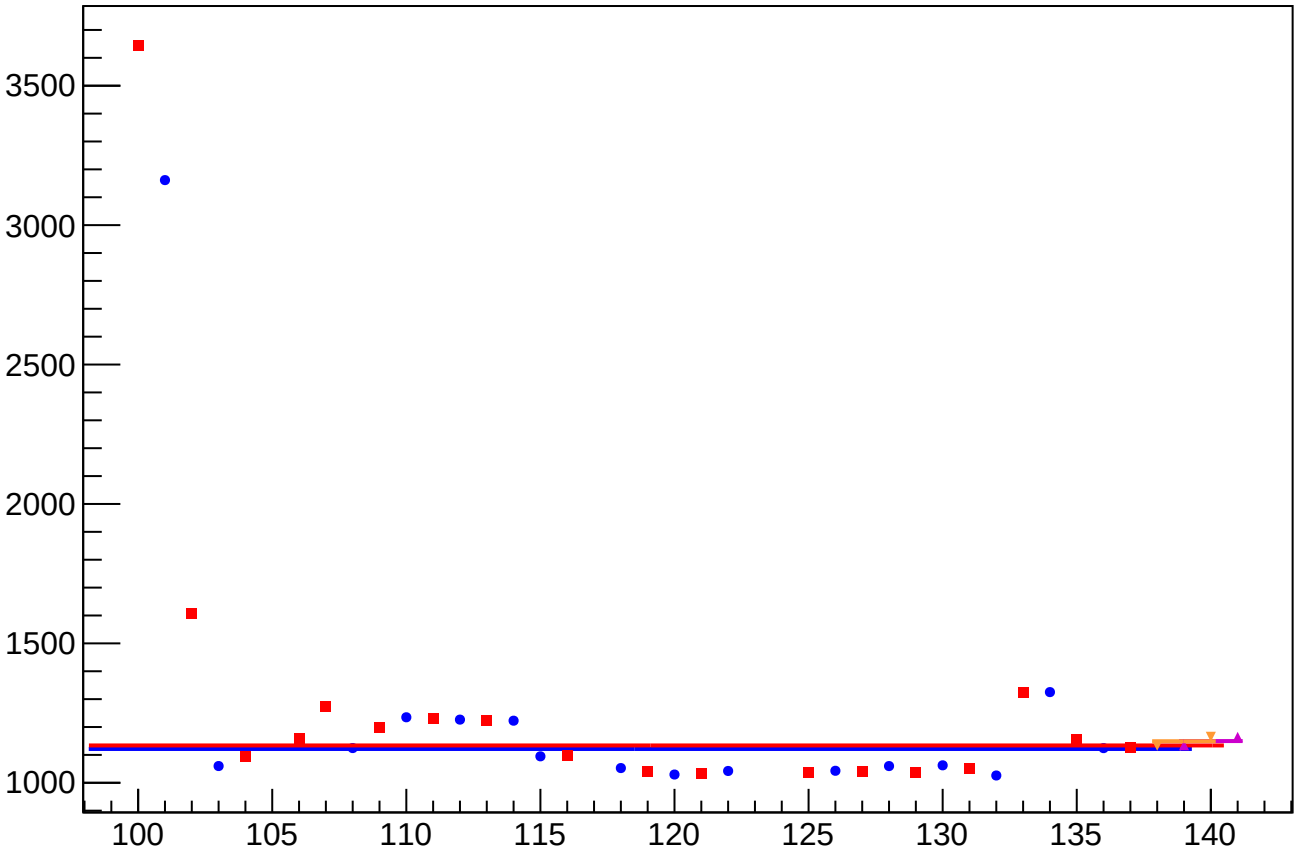
Left: 663.235+/-627.598 χ^2/NDF: 3.9/3

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 506.095+/-383.359 χ^2/NDF:19.8/17

Out: 177.448+/-388.701 χ^2/NDF:19.8/19

All: 344.045+/-272.945 χ^2/NDF: 39.9/37



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1149.047+/-0.638 χ^2/NDF:631.4/1

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1149.689+/-0.618 χ^2/NDF:588.8/1

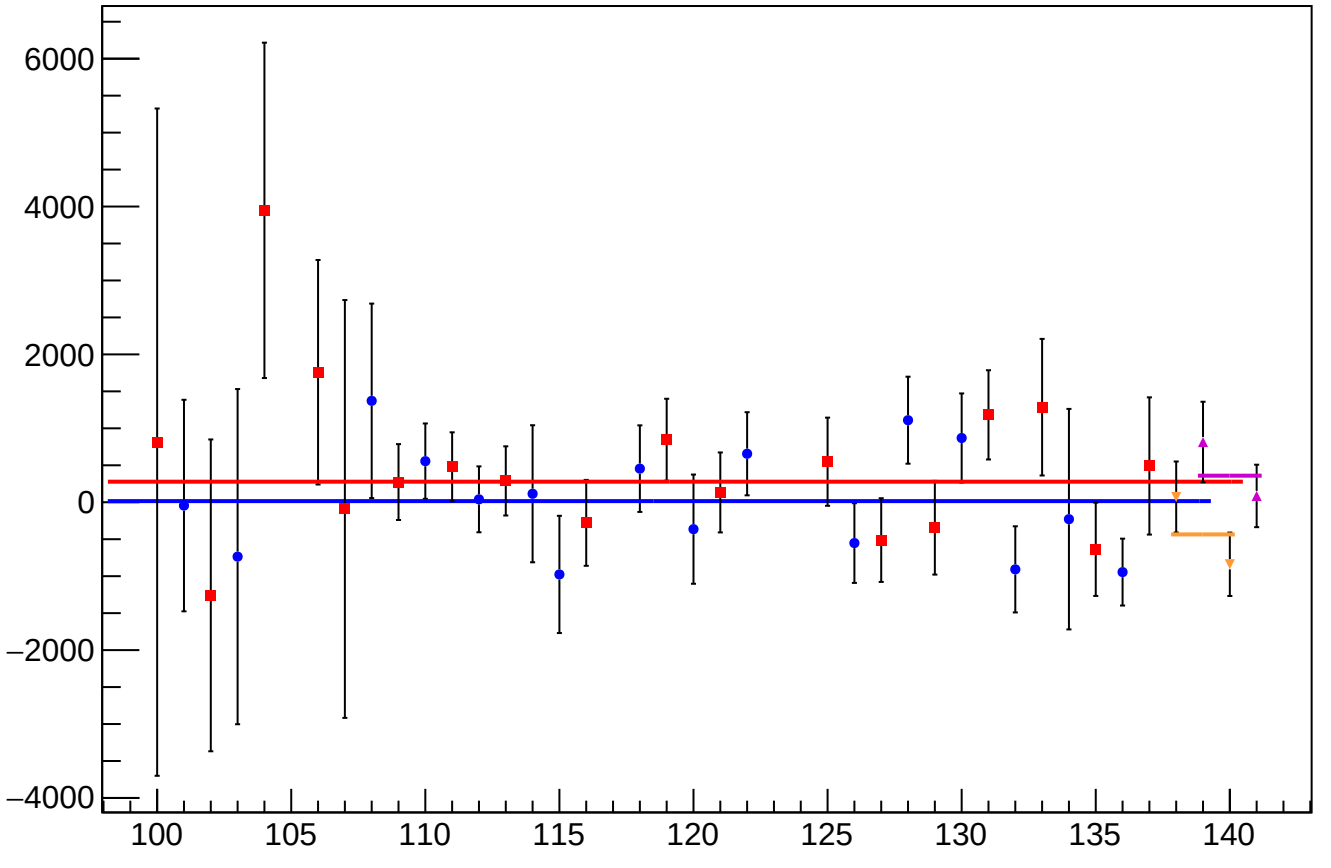
Left: 1149.378+/-0.444 χ^2/NDF: 1220.8/3

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1126.758+/-0.271 χ^2/NDF:619322.3/17

Out: 1136.738+/-0.275 χ^2/NDF:228546.1/19

All: 1131.679+/-0.193 χ^2/NDF: 848536.7/37



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -435.073+/-319.875 χ^2/NDF:2.0/1

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 359.433+/-333.826 χ^2/NDF:1.1/1

Left: -54.769+/-230.961 χ^2/NDF: 6.1/3

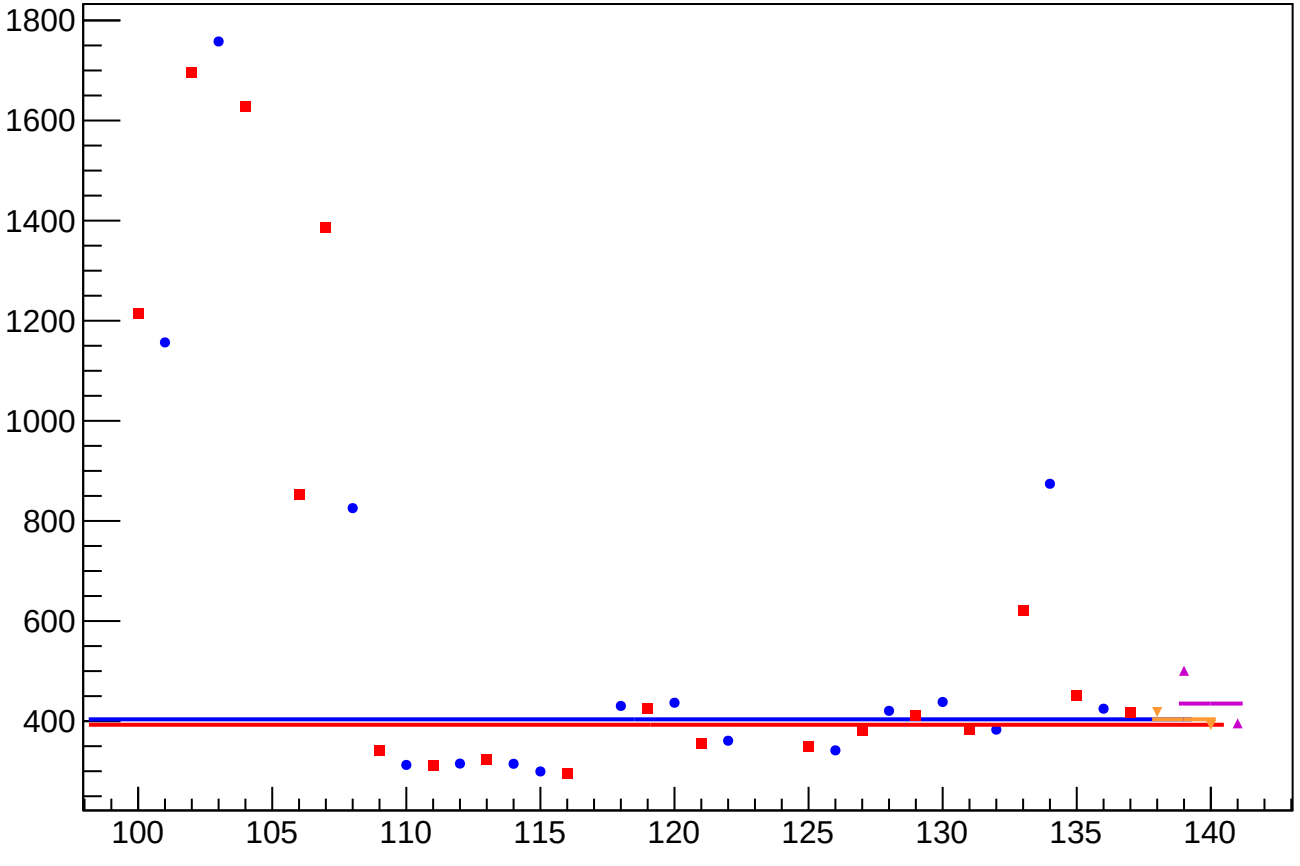
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 80.787+/-145.632 χ^2/NDF:21.6/17

Out: 137.170+/-142.257 χ^2/NDF:21.1/19

All: 109.639+/-101.763 χ^2/NDF: 42.7/37

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 403.694+/-0.226 χ^2/NDF:3275.5/1

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 435.151+/-0.236 χ^2/NDF:46374.0/1

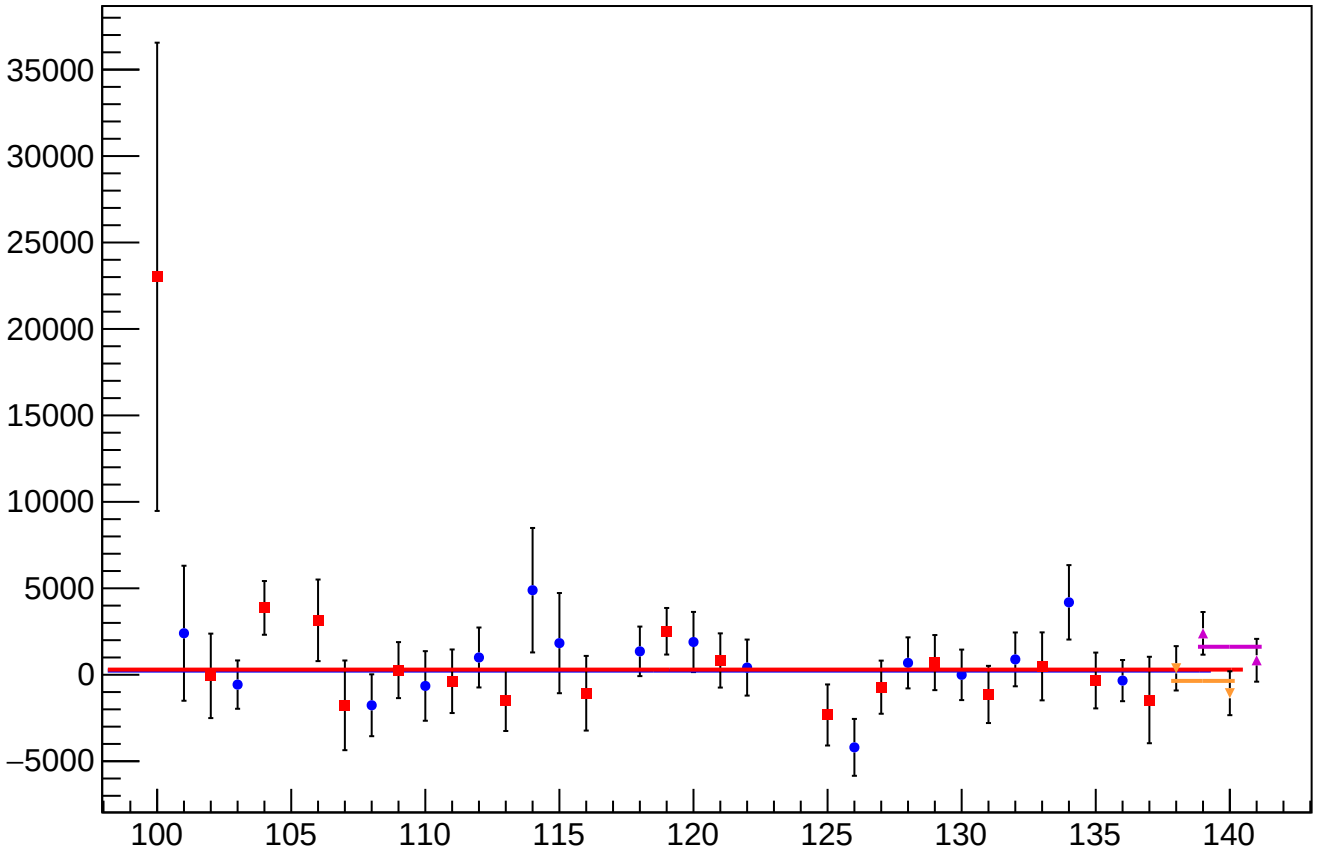
Left: 418.752+/-0.163 χ^2/NDF: 58907.8/3

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 409.650+/-0.103 χ^2/NDF:1990385.7/17

Out: 394.971+/-0.101 χ^2/NDF:2208585.7/19

All: 402.138+/-0.072 χ^2/NDF: 4209368.9/37



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -354.969+/-901.834 χ^2/NDF:0.6/1

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 1619.412+/-873.939 χ^2/NDF:0.8/1

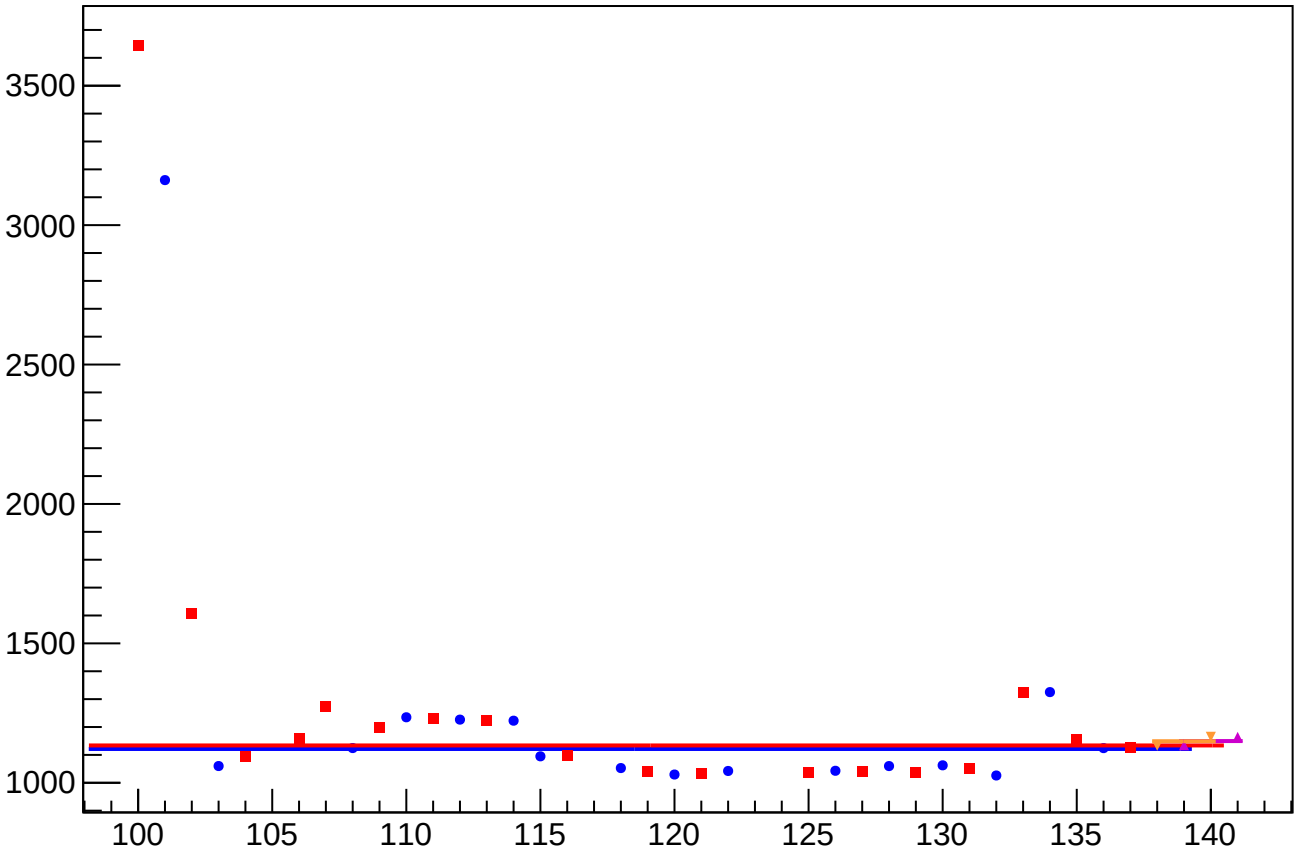
Left: 663.229+/-627.598 χ^2/NDF: 3.9/3

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 506.096+/-383.359 χ^2/NDF:19.8/17

Out: 177.448+/-388.701 χ^2/NDF:19.8/19

All: 344.046+/-272.945 χ^2/NDF: 39.9/37



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1149.047+/-0.638 χ^2/NDF:631.4/1

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1149.689+/-0.618 χ^2/NDF:588.8/1

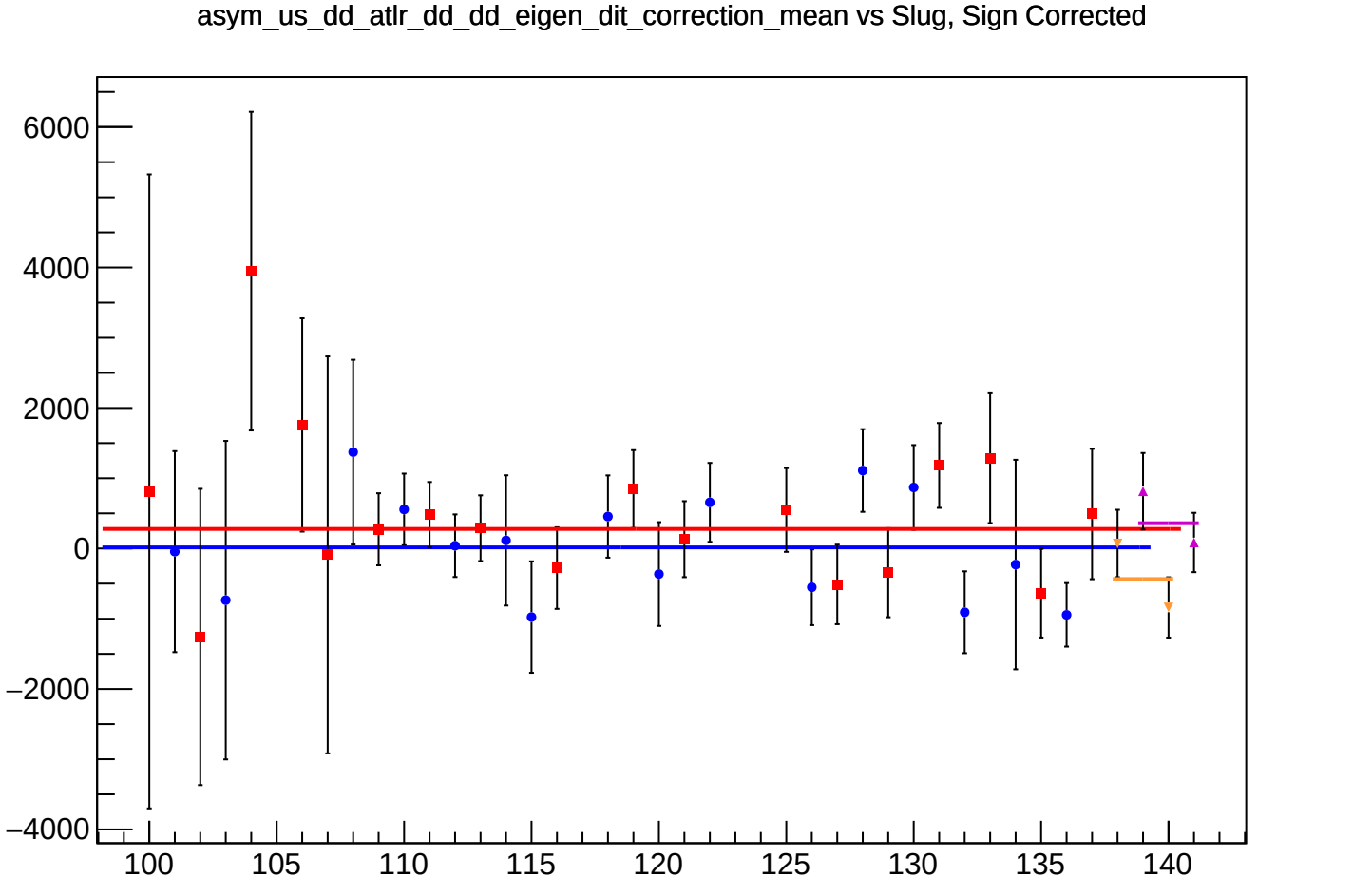
Left: 1149.378+/-0.444 χ^2/NDF: 1220.8/3

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

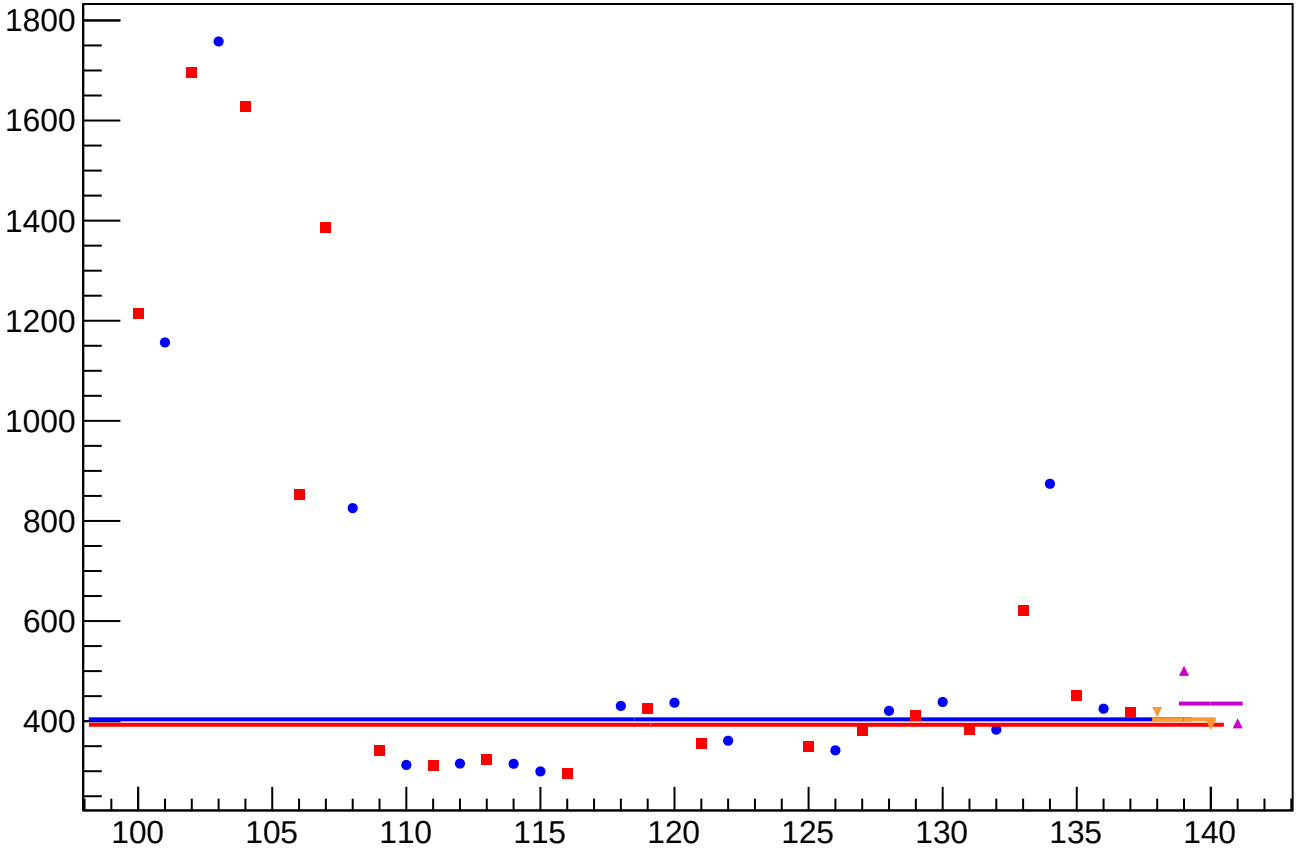
In: 1126.758+/-0.271 χ^2/NDF:619322.3/17

Out: 1136.738+/-0.275 χ^2/NDF:228546.2/19

All: 1131.679+/-0.193 χ^2/NDF: 848536.8/37


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
105
110
115
120
125
130
135
140
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -435.075+/-319.874 χ²/NDF:2.0/1
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 359.434+/-333.826 χ²/NDF:1.1/1
Left: -54.770+/-230.960 χ²/NDF: 6.1/3
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 80.783+/-145.631 χ²/NDF:21.6/17
Out: 137.168+/-142.256 χ²/NDF:21.1/19
All: 109.637+/-101.762 χ²/NDF: 42.7/37

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 403.693+/-0.226 χ^2/NDF:3274.7/1

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 435.150+/-0.236 χ^2/NDF:46372.8/1

Left: 418.750+/-0.163 χ^2/NDF: 58906.2/3

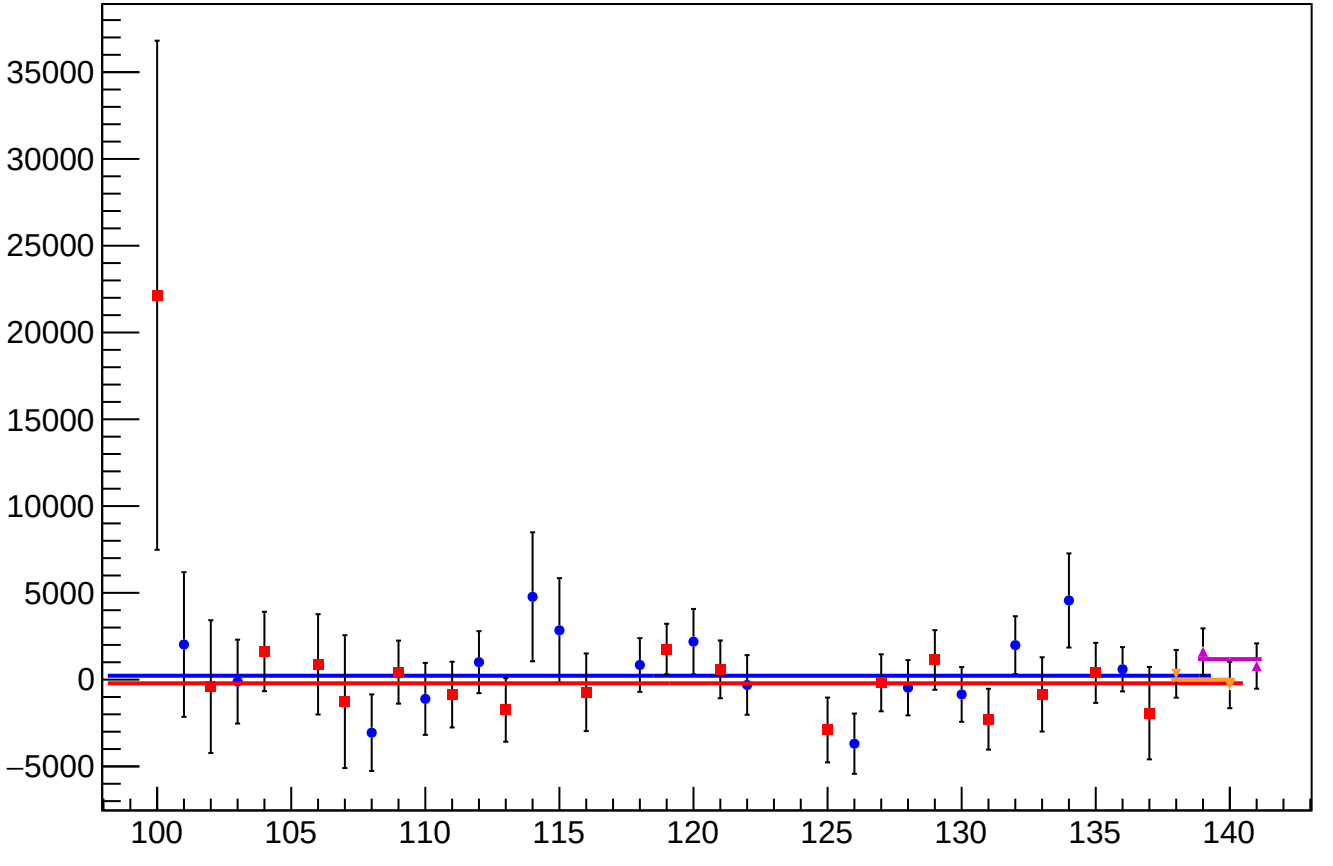
Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 409.647+/-0.103 χ^2/NDF:1990383.4/17

Out: 394.968+/-0.101 χ^2/NDF:2208592.0/19

All: 402.136+/-0.072 χ^2/NDF: 4209373.3/37

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 2.654+/-958.366 χ^2/NDF:0.1/1

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 1181.681+/-937.373 χ^2/NDF:0.2/1

Left: 605.222+/-670.122 χ^2/NDF: 1.1/3

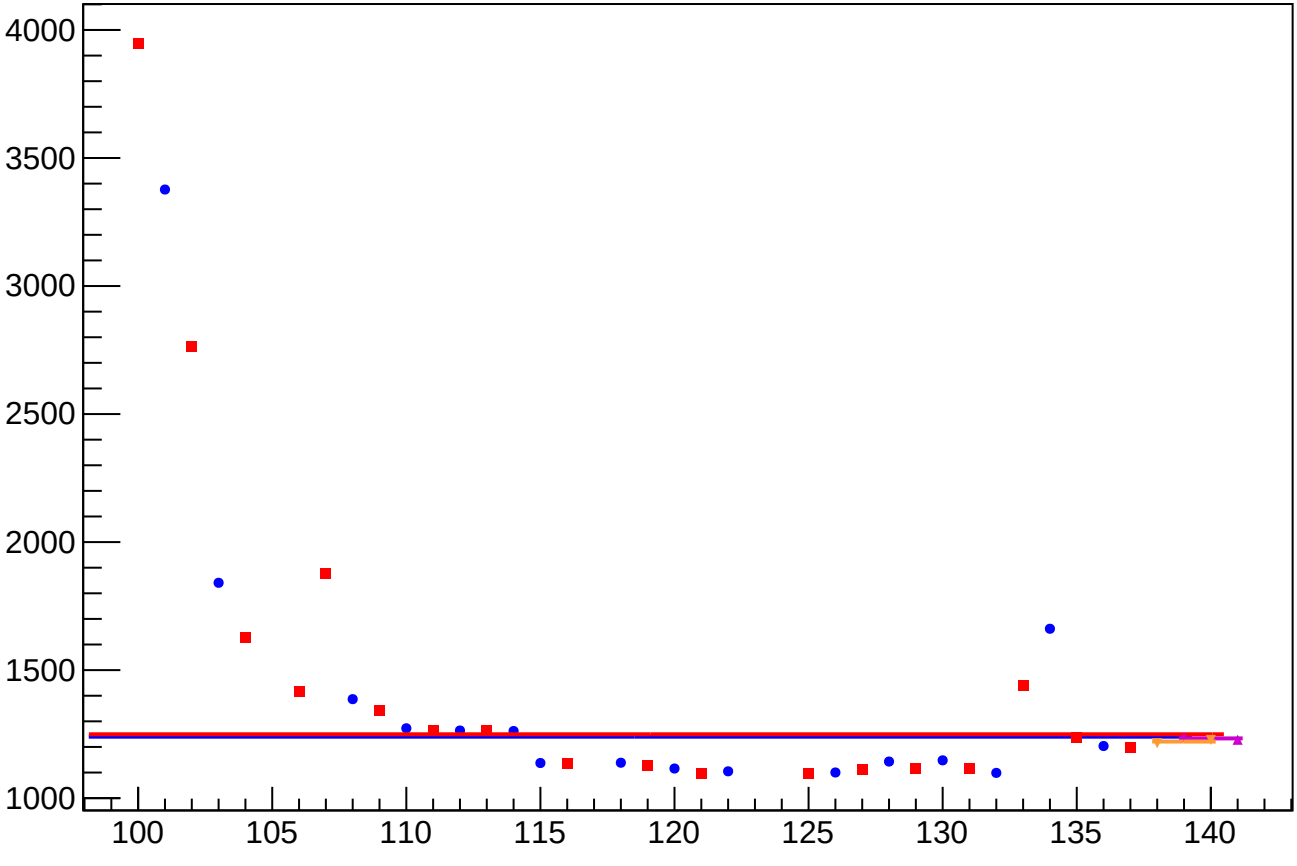
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 420.030+/-423.392 χ^2/NDF:17.1/17

Out: -167.463+/-427.618 χ^2/NDF:11.1/19

All: 129.201+/-300.866 χ^2/NDF: 29.2/37

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1221.093+/-0.678 χ^2/NDF:88.0/1

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1233.296+/-0.663 χ^2/NDF:66.3/1

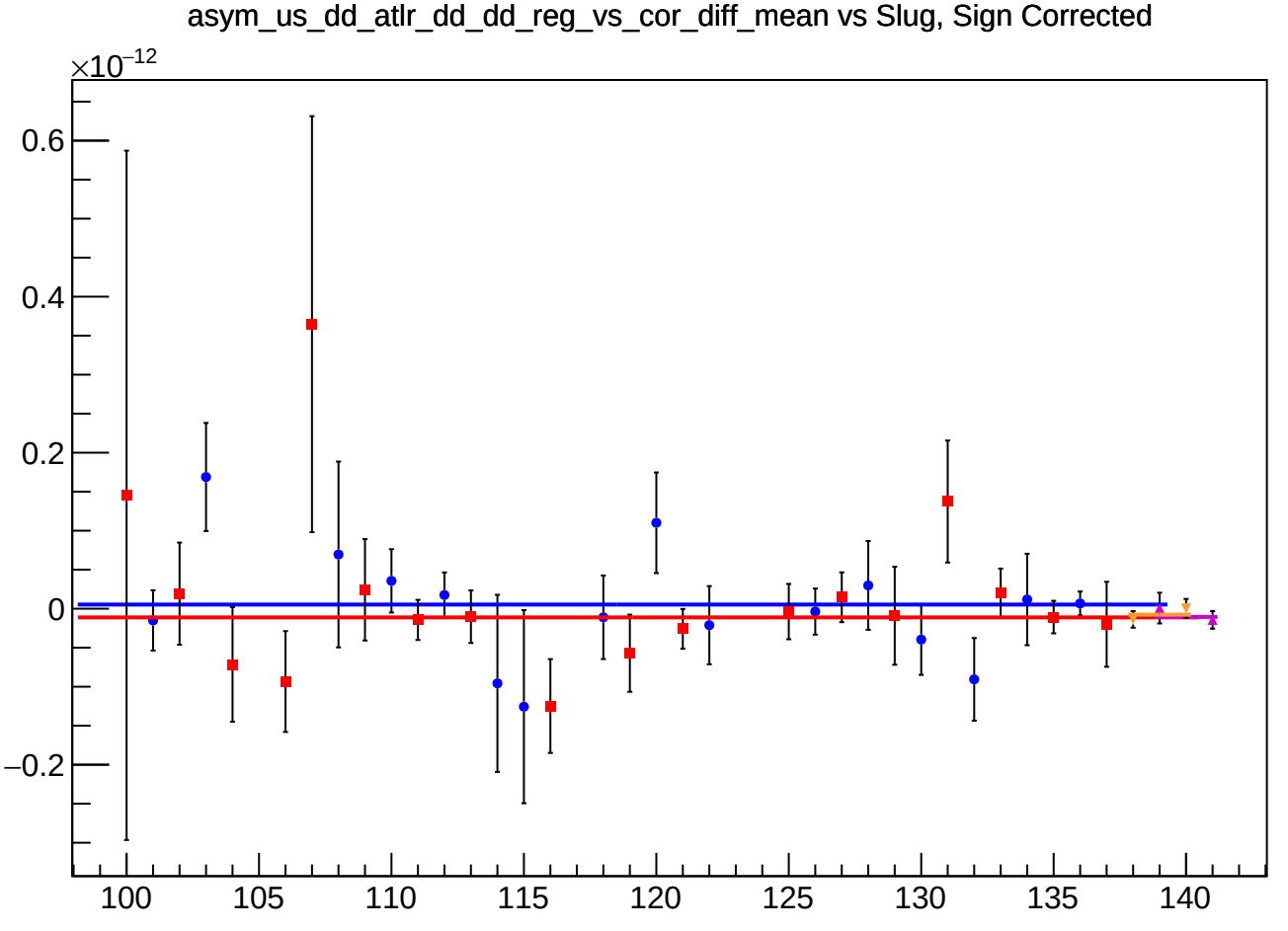
Left: 1227.330+/-0.474 χ^2/NDF: 320.0/3

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1238.744+/-0.299 χ^2/NDF:782830.9/17

Out: 1243.773+/-0.302 χ^2/NDF:607585.6/19

All: 1241.233+/-0.213 χ^2/NDF: 1390556.2/37



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/1

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

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

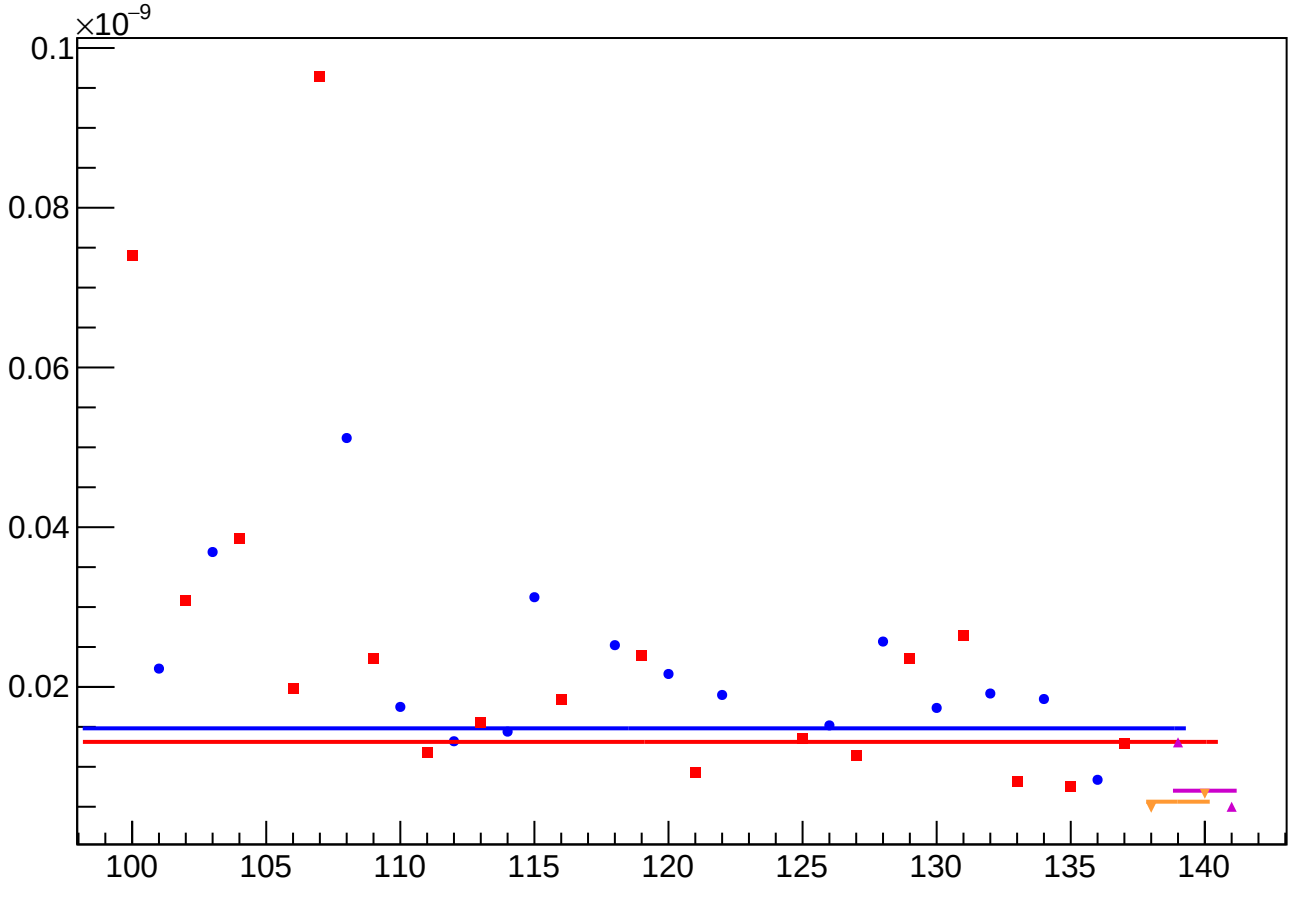
Left: -0.000+/-0.000 χ^2/NDF: 1.3/3

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:18.1/17

Out: -0.000+/-0.000 χ^2/NDF:15.9/19

All: -0.000+/-0.000 χ^2/NDF: 34.5/37



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:23500.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:252163.4/1

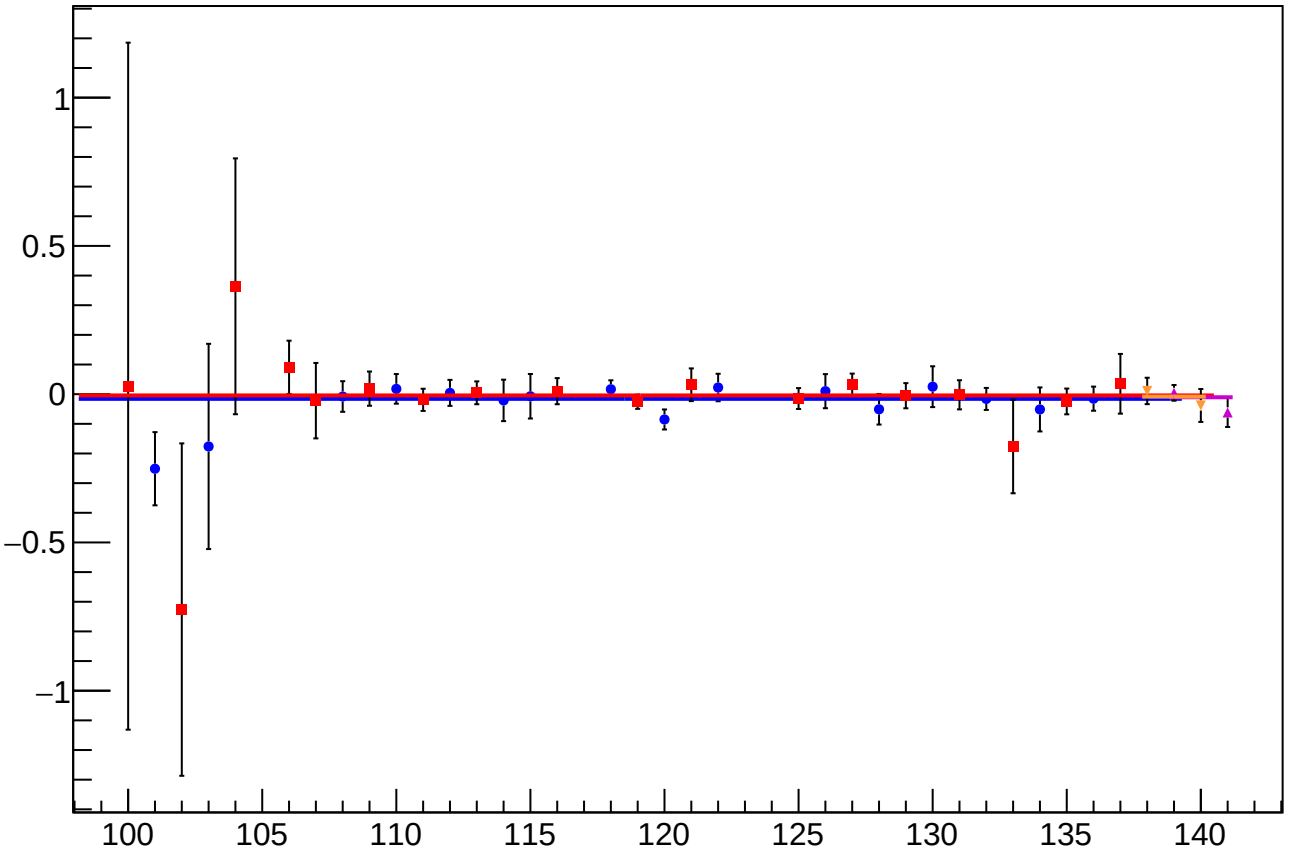
Left: 0.000+/-0.000 χ^2/NDF: 299181.4/3

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:1976756.3/17

Out: 0.000+/-0.000 χ^2/NDF:1942974.2/19

All: 0.000+/-0.000 χ^2/NDF: 4033103.7/37



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.008+/-0.035 χ^2/NDF:0.5/1

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.010+/-0.023 χ^2/NDF:1.4/1

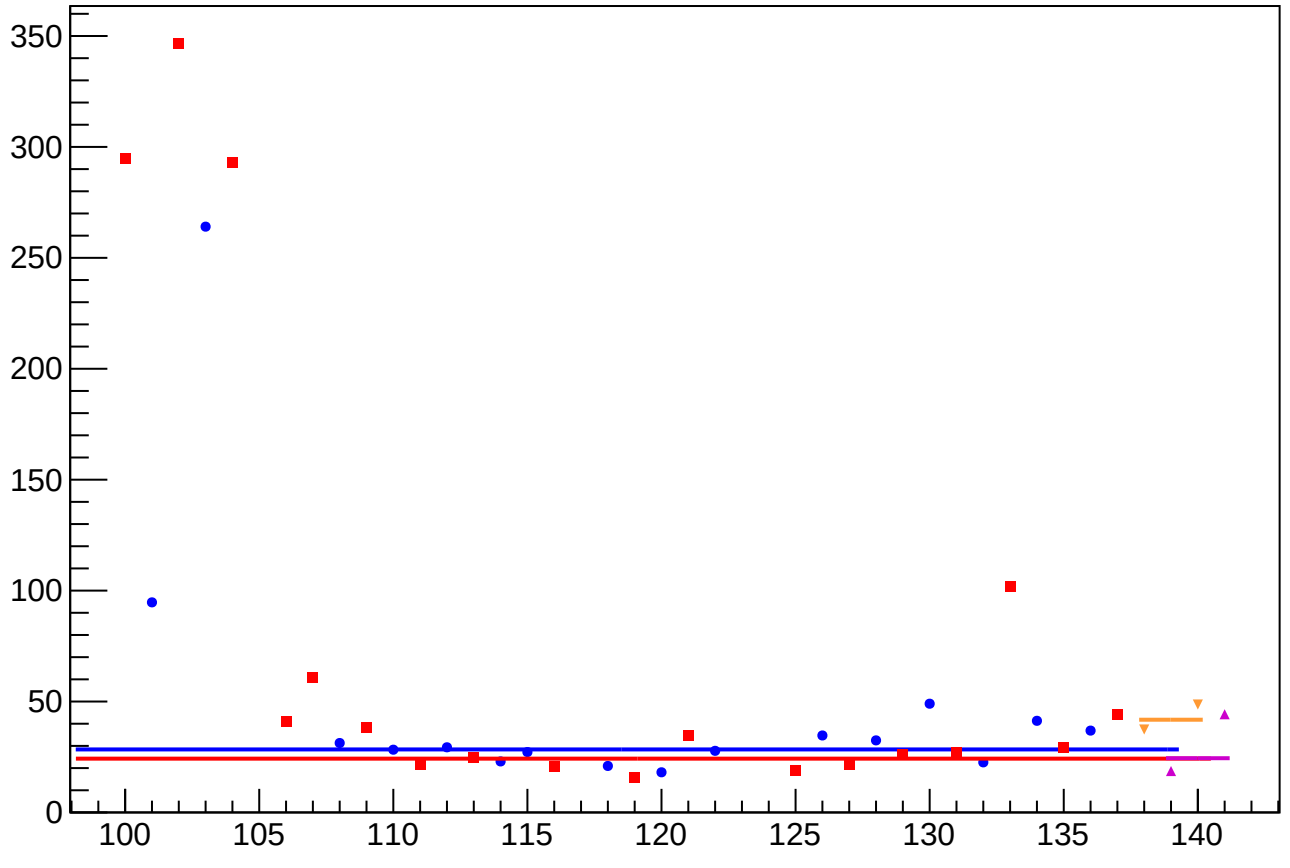
Left: -0.010+/-0.019 χ^2/NDF: 1.9/3

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.015+/-0.011 χ^2/NDF:13.3/17

Out: -0.005+/-0.011 χ^2/NDF:8.3/19

All: -0.010+/-0.008 χ^2/NDF: 22.1/37



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 41.802+/-0.025 χ^2/NDF:50110.1/1

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 24.451+/-0.016 χ^2/NDF:421301.8/1

Left: 29.844+/-0.014 χ^2/NDF: 815683.2/3

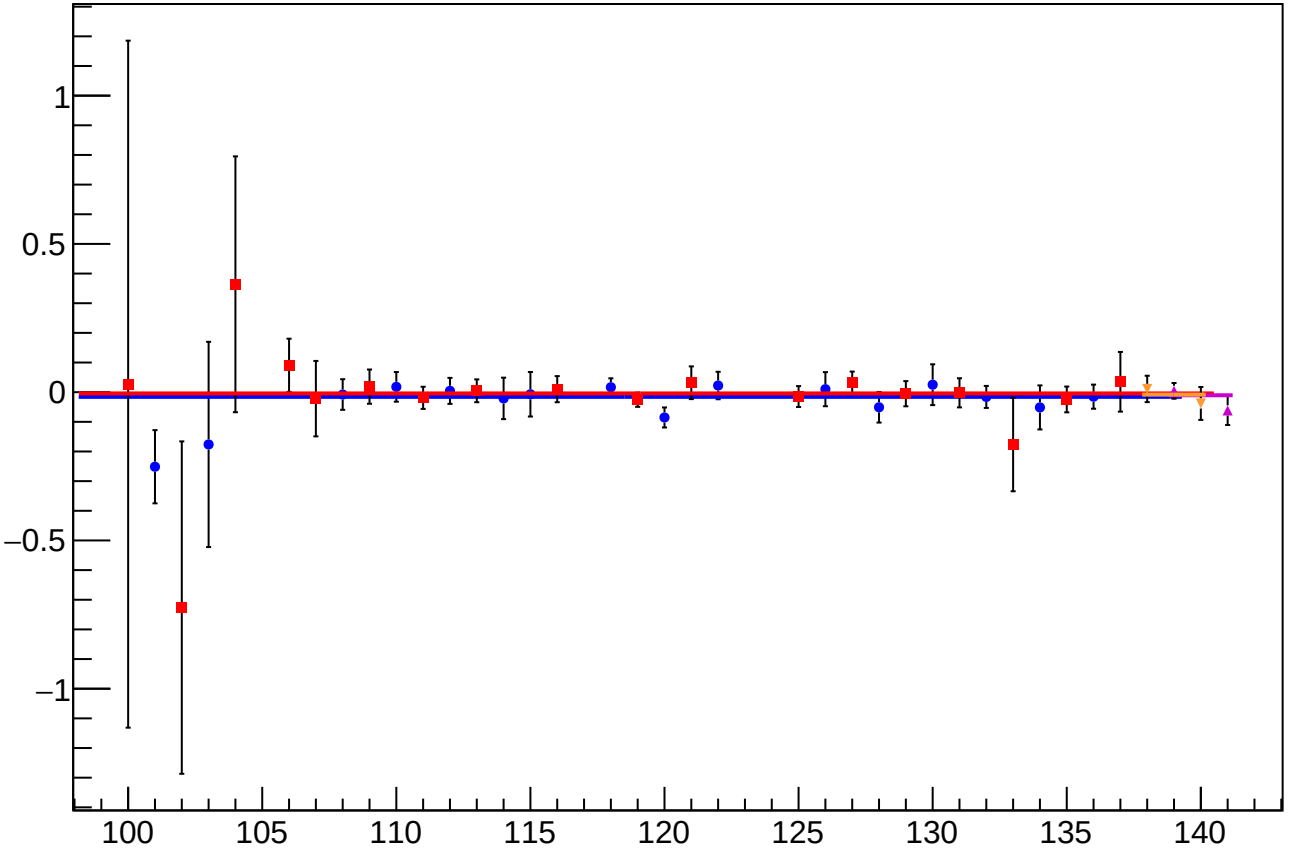
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 27.548+/-0.008 χ^2/NDF:2712068.5/17

Out: 25.974+/-0.008 χ^2/NDF:3424428.9/19

All: 26.759+/-0.005 χ^2/NDF: 6157467.4/37

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.008+/-0.035 χ^2/NDF:0.5/1

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.010+/-0.023 χ^2/NDF:1.4/1

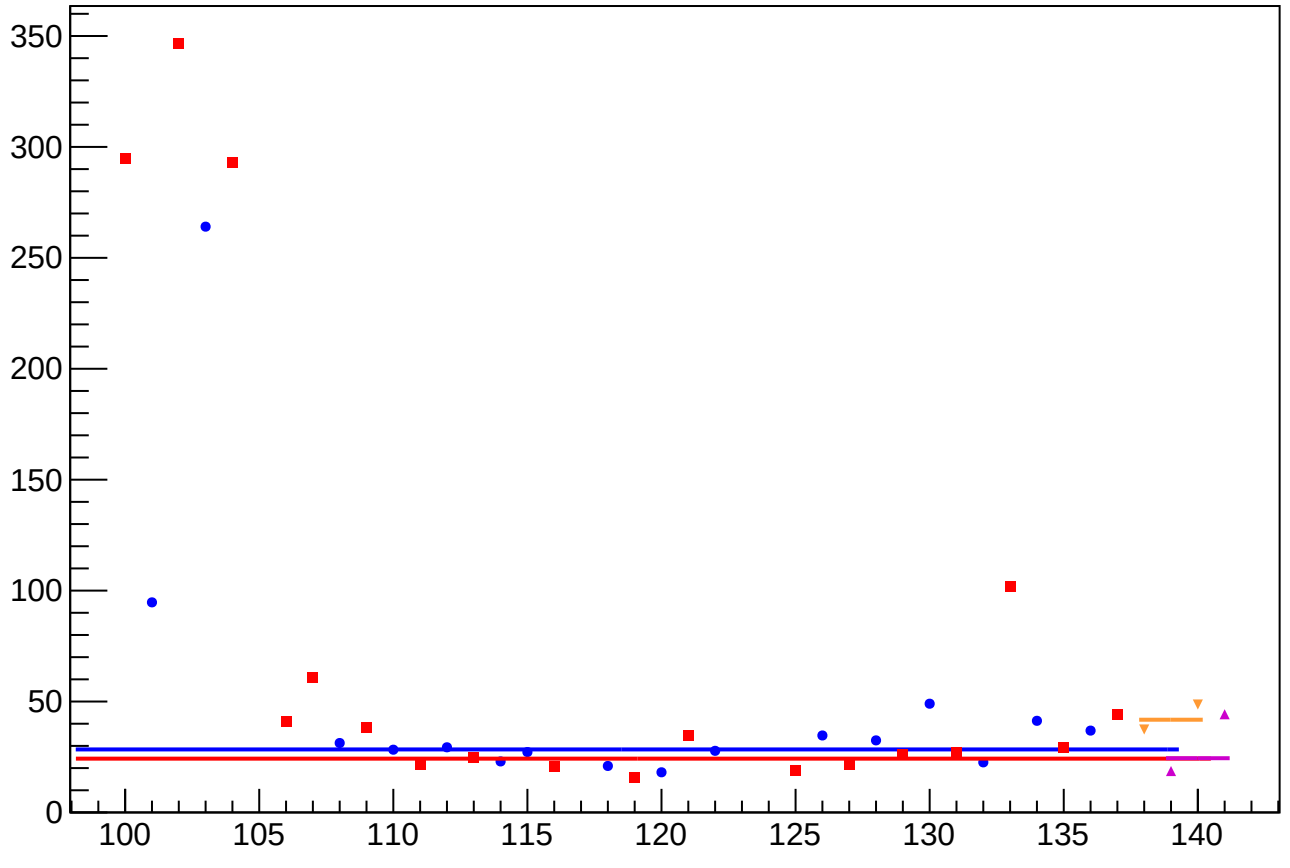
Left: -0.010+/-0.019 χ^2/NDF: 1.9/3

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.015+/-0.011 χ^2/NDF:13.3/17

Out: -0.005+/-0.011 χ^2/NDF:8.3/19

All: -0.010+/-0.008 χ^2/NDF: 22.1/37



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 41.802+/-0.025 χ^2/NDF:50110.1/1

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 24.451+/-0.016 χ^2/NDF:421301.8/1

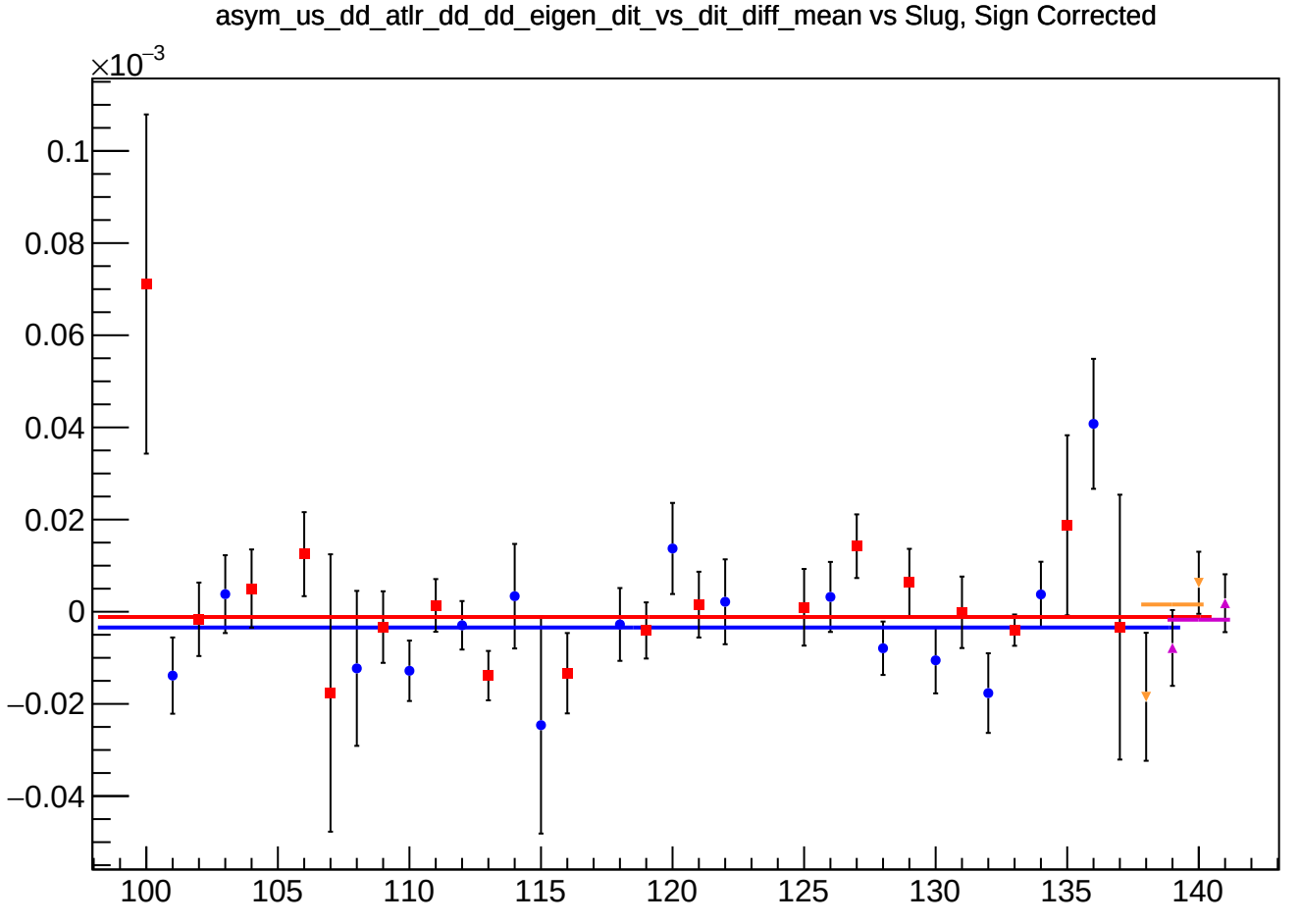
Left: 29.844+/-0.014 χ^2/NDF: 815683.2/3

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 27.548+/-0.008 χ^2/NDF:2712068.5/17

Out: 25.974+/-0.008 χ^2/NDF:3424428.9/19

All: 26.759+/-0.005 χ^2/NDF: 6157467.4/37



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

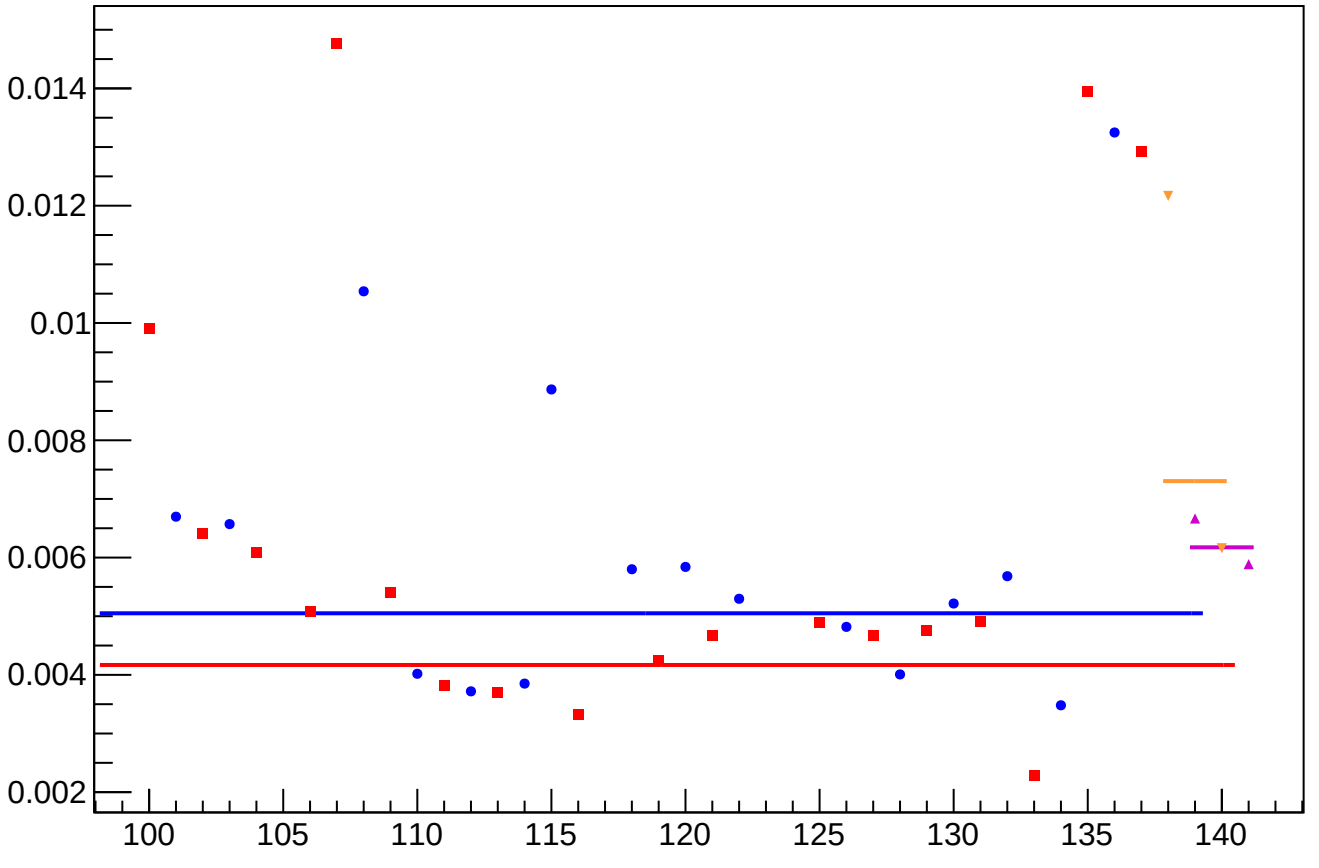
Left: -0.000+/-0.000 χ^2/NDF: 3.6/3

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:26.1/17

Out: -0.000+/-0.000 χ^2/NDF:25.7/19

All: -0.000+/-0.000 χ^2/NDF: 52.7/37



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:302986.8/1

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.006+/-0.000 χ^2/NDF:11314.8/1

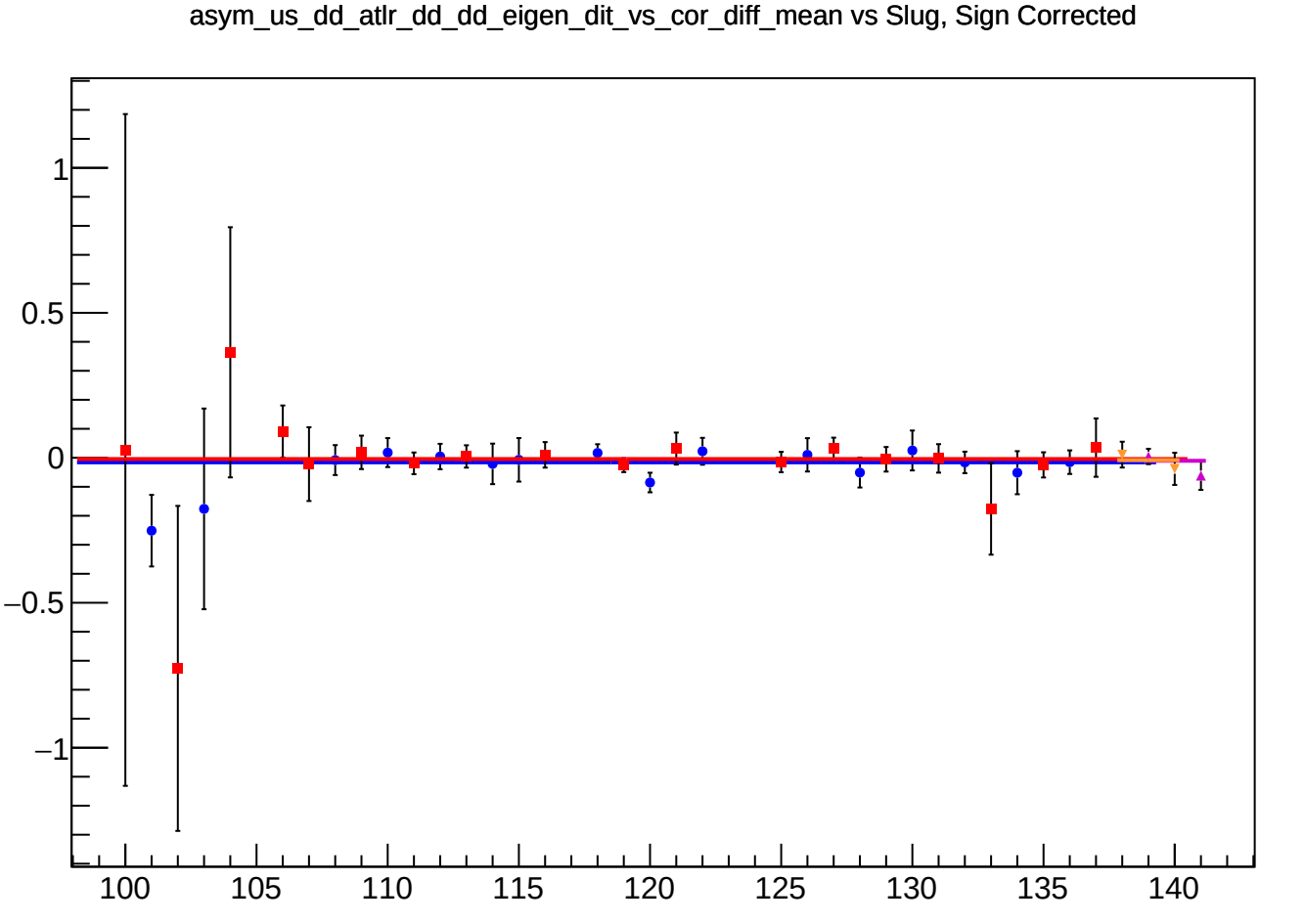
Left: 0.007+/-0.000 χ^2/NDF: 355679.6/3

Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:1592764.2/17

Out: 0.004+/-0.000 χ^2/NDF:2841150.2/19

All: 0.005+/-0.000 χ^2/NDF: 4646818.1/37



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.008+/-0.035 χ^2/NDF:0.5/1

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.010+/-0.023 χ^2/NDF:1.4/1

Left: -0.010+/-0.019 χ^2/NDF: 1.9/3

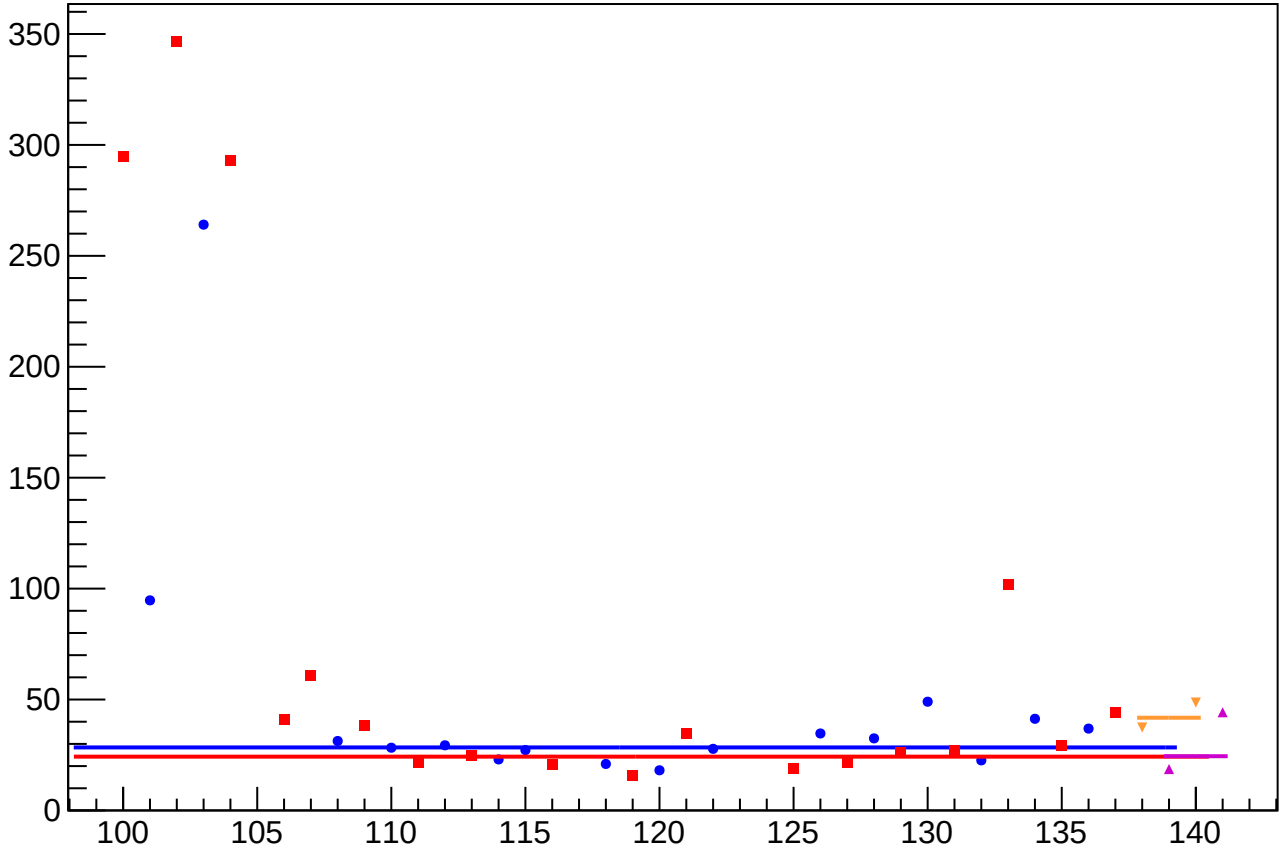
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.015+/-0.011 χ^2/NDF:13.3/17

Out: -0.005+/-0.011 χ^2/NDF:8.3/19

All: -0.010+/-0.008 χ^2/NDF: 22.1/37

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 41.803+/-0.025 χ^2/NDF:50147.5/1

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 24.448+/-0.016 χ^2/NDF:421484.4/1

Left: 29.843+/-0.014 χ^2/NDF: 816042.2/3

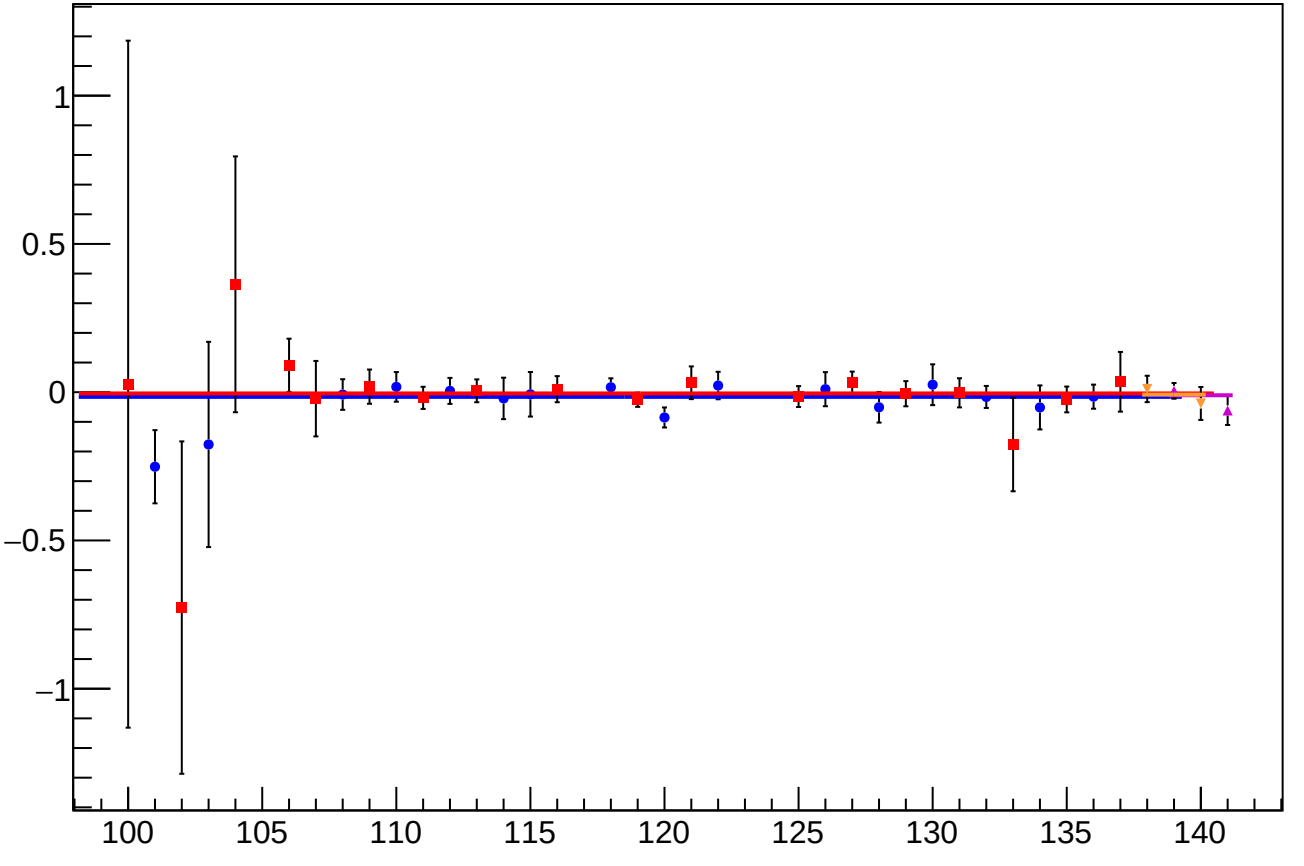
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 27.548+/-0.008 χ^2/NDF:2712330.2/17

Out: 25.972+/-0.008 χ^2/NDF:3424829.9/19

All: 26.758+/-0.005 χ^2/NDF: 6158155.9/37

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.008+/-0.035 χ^2/NDF:0.5/1

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.010+/-0.023 χ^2/NDF:1.4/1

Left: -0.010+/-0.019 χ^2/NDF: 1.9/3

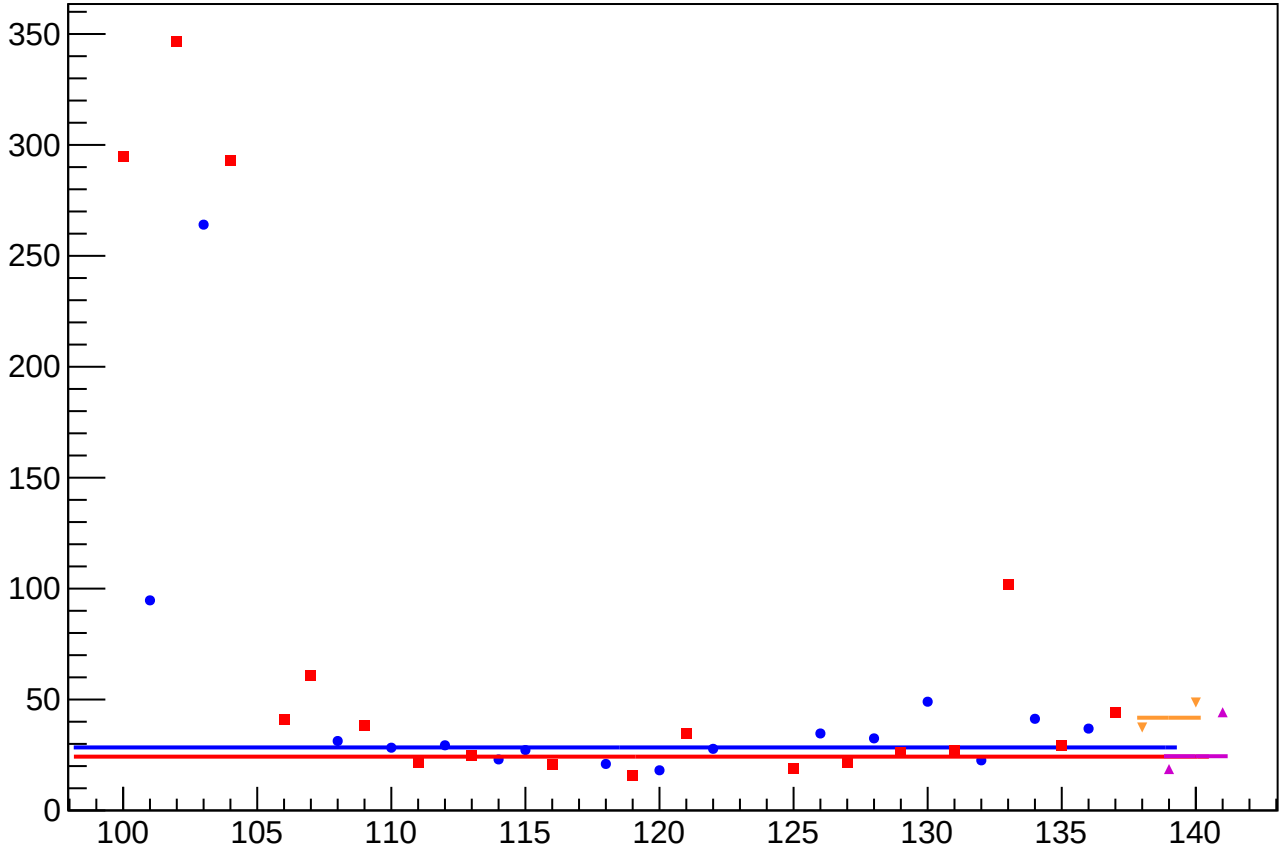
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.015+/-0.011 χ^2/NDF:13.3/17

Out: -0.005+/-0.011 χ^2/NDF:8.3/19

All: -0.010+/-0.008 χ^2/NDF: 22.1/37

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 41.803+/-0.025 χ^2/NDF:50147.5/1

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 24.448+/-0.016 χ^2/NDF:421484.4/1

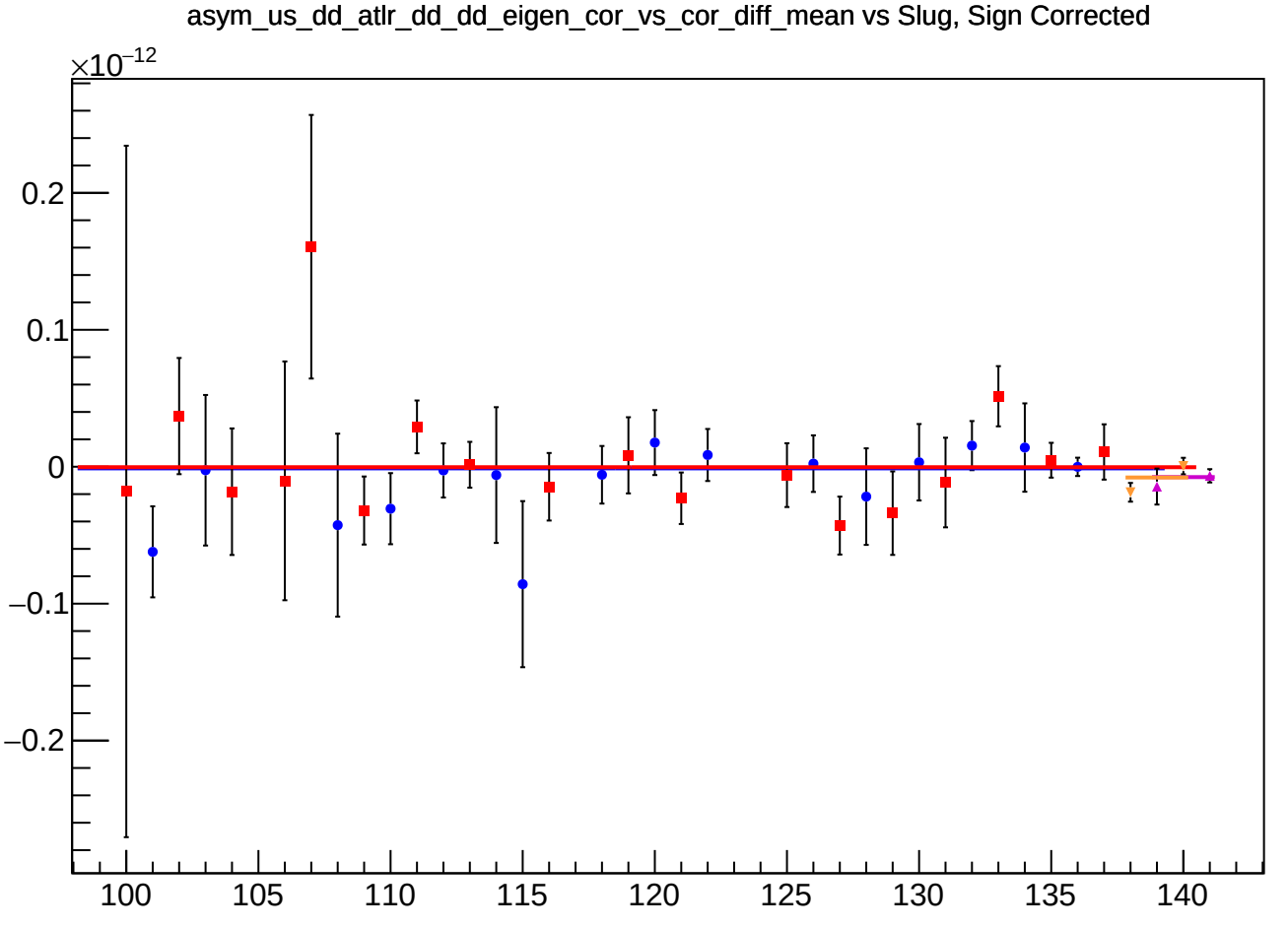
Left: 29.843+/-0.014 χ^2/NDF: 816042.2/3

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 27.548+/-0.008 χ^2/NDF:2712330.2/17

Out: 25.972+/-0.008 χ^2/NDF:3424829.9/19

All: 26.758+/-0.005 χ^2/NDF: 6158155.9/37



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

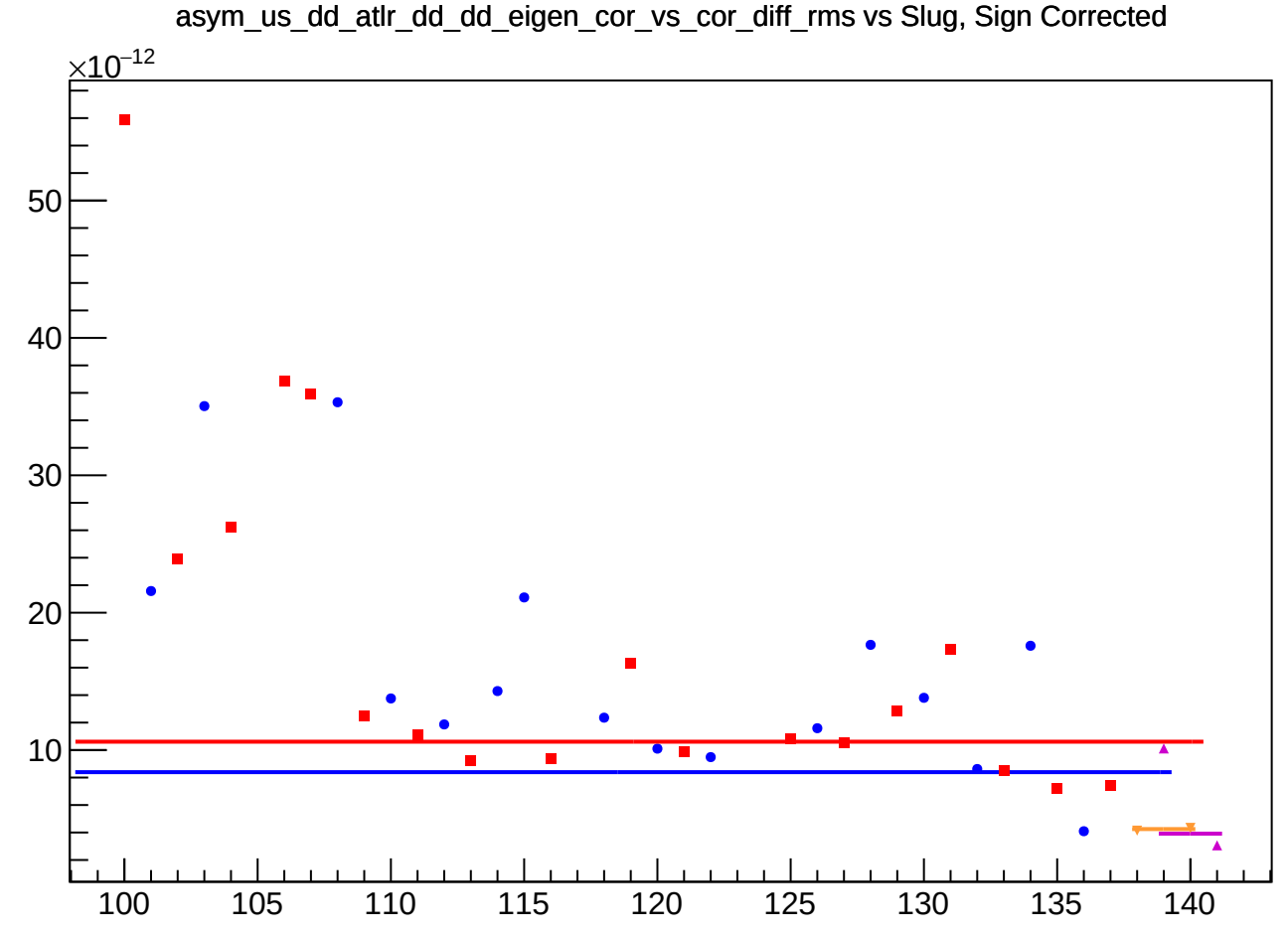
Left: -0.000+/-0.000 χ^2/NDF: 4.7/3

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:10.7/17

Out: -0.000+/-0.000 χ^2/NDF:26.6/19

All: -0.000+/-0.000 χ^2/NDF: 37.3/37



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:974.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:507331.2/1

Left: 0.000+/-0.000 χ^2/NDF: 513657.6/3

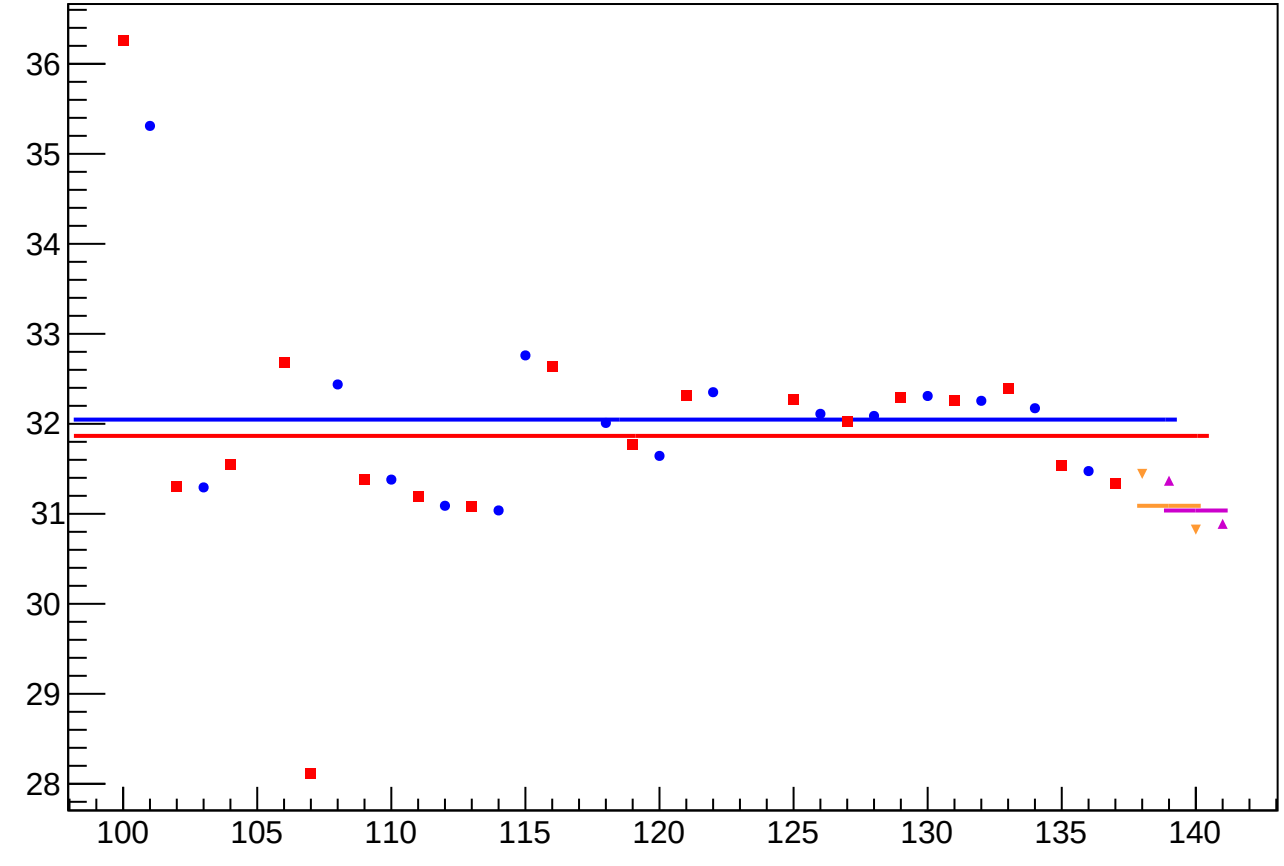
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:4135237.6/17

Out: 0.000+/-0.000 χ^2/NDF:2792316.9/19

All: 0.000+/-0.000 χ^2/NDF: 6969326.0/37

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.089+/-0.000 χ^2/NDF:15417834.3/1

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.037+/-0.000 χ^2/NDF:8330094.3/1

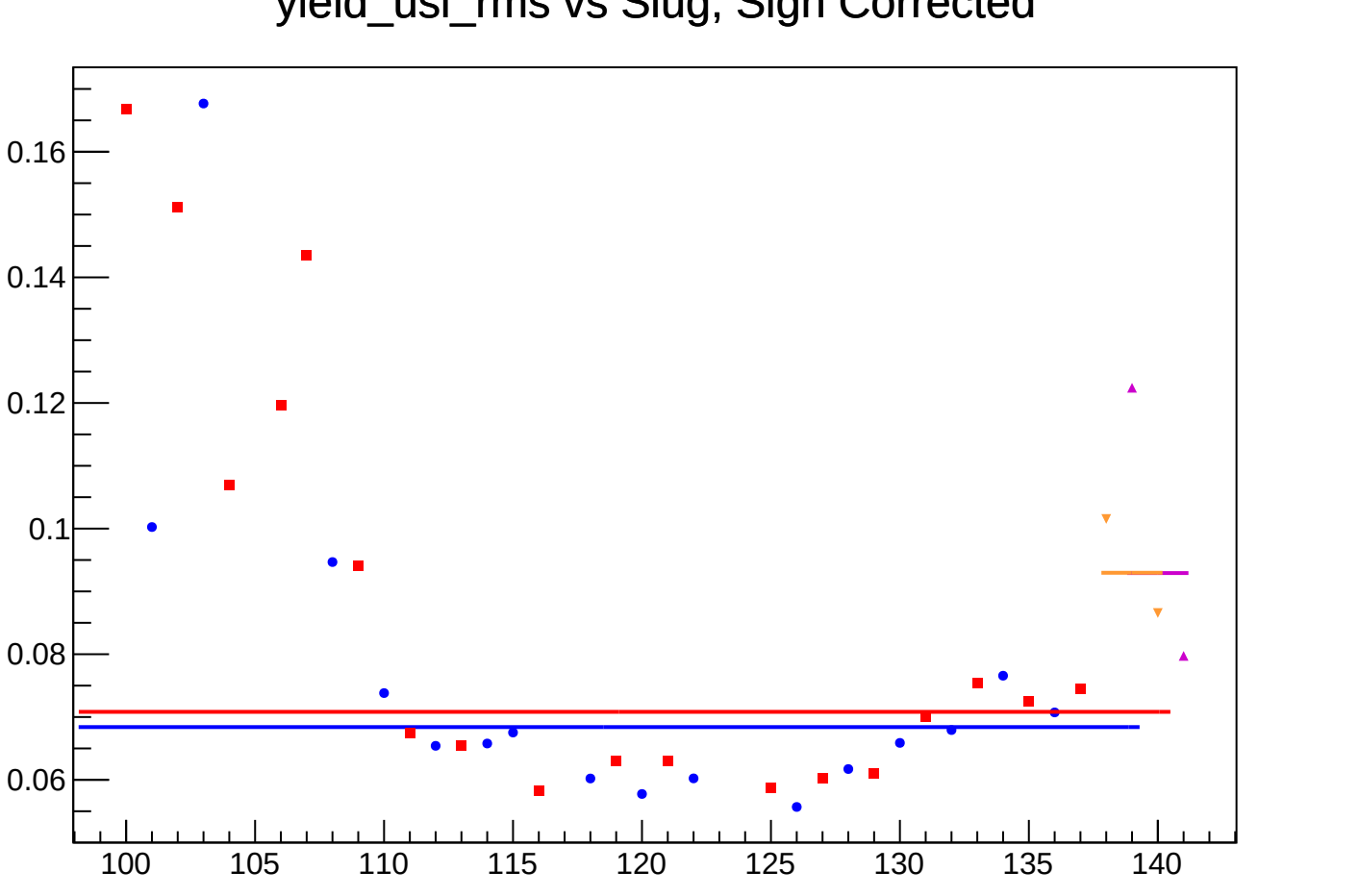
Left: 31.063+/-0.000 χ^2/NDF: 23976663.1/3

Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.933+/-0.000 χ^2/NDF:1060860702.6/17

Out: 31.775+/-0.000 χ^2/NDF:588812522.6/19

All: 31.857+/-0.000 χ^2/NDF: 1667816806.4/3



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.093+/-0.000 χ^2/NDF:18012.1/1

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.093+/-0.000 χ^2/NDF:132308.1/1

Left: 0.093+/-0.000 χ^2/NDF: 150320.6/3

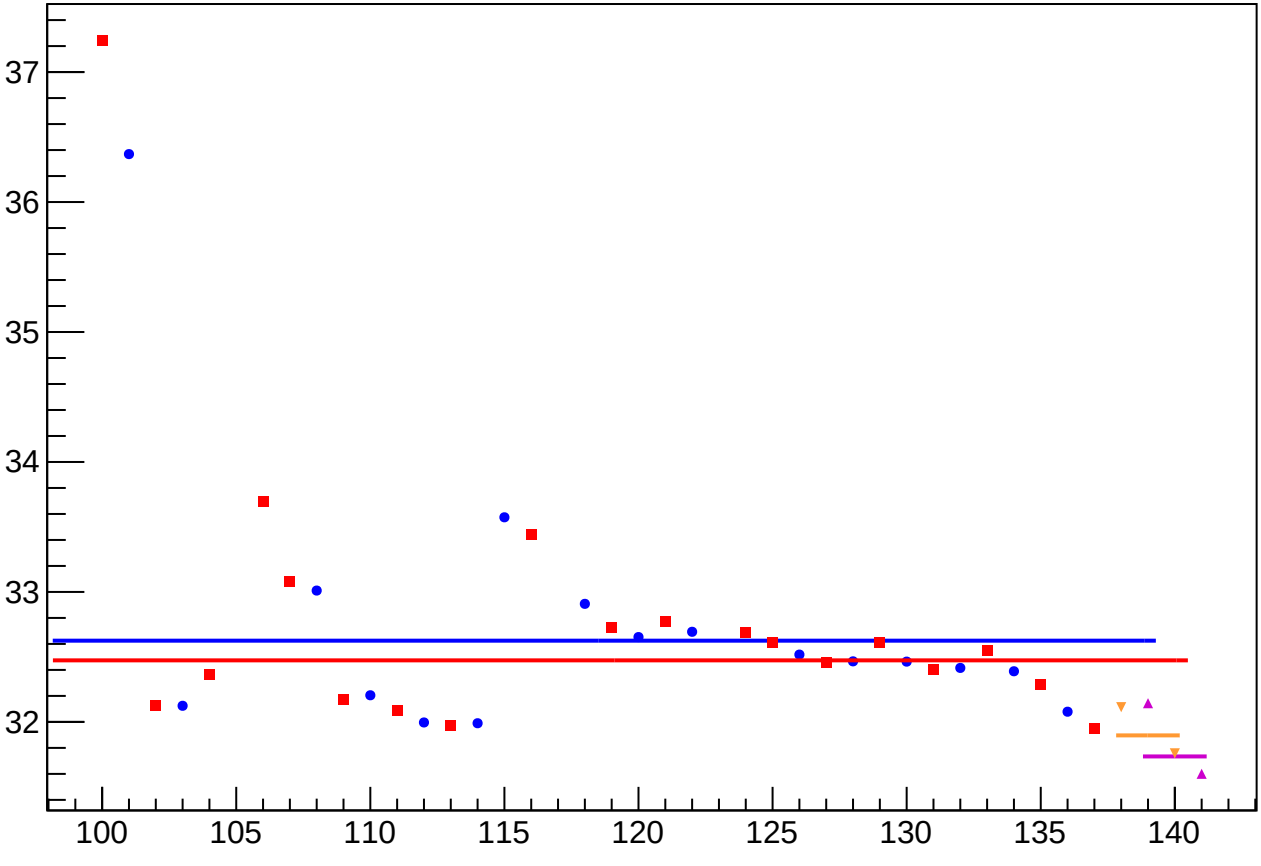
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.071+/-0.000 χ^2/NDF:1016935.0/17

Out: 0.073+/-0.000 χ^2/NDF:1028392.4/19

All: 0.072+/-0.000 χ^2/NDF: 2052672.7/37

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 31.896+/-0.000 χ^2/NDF:5457937.0/1

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 31.734+/-0.000 χ^2/NDF:10637073.9/1

Left: 31.813+/-0.000 χ^2/NDF: 18561281.8/3

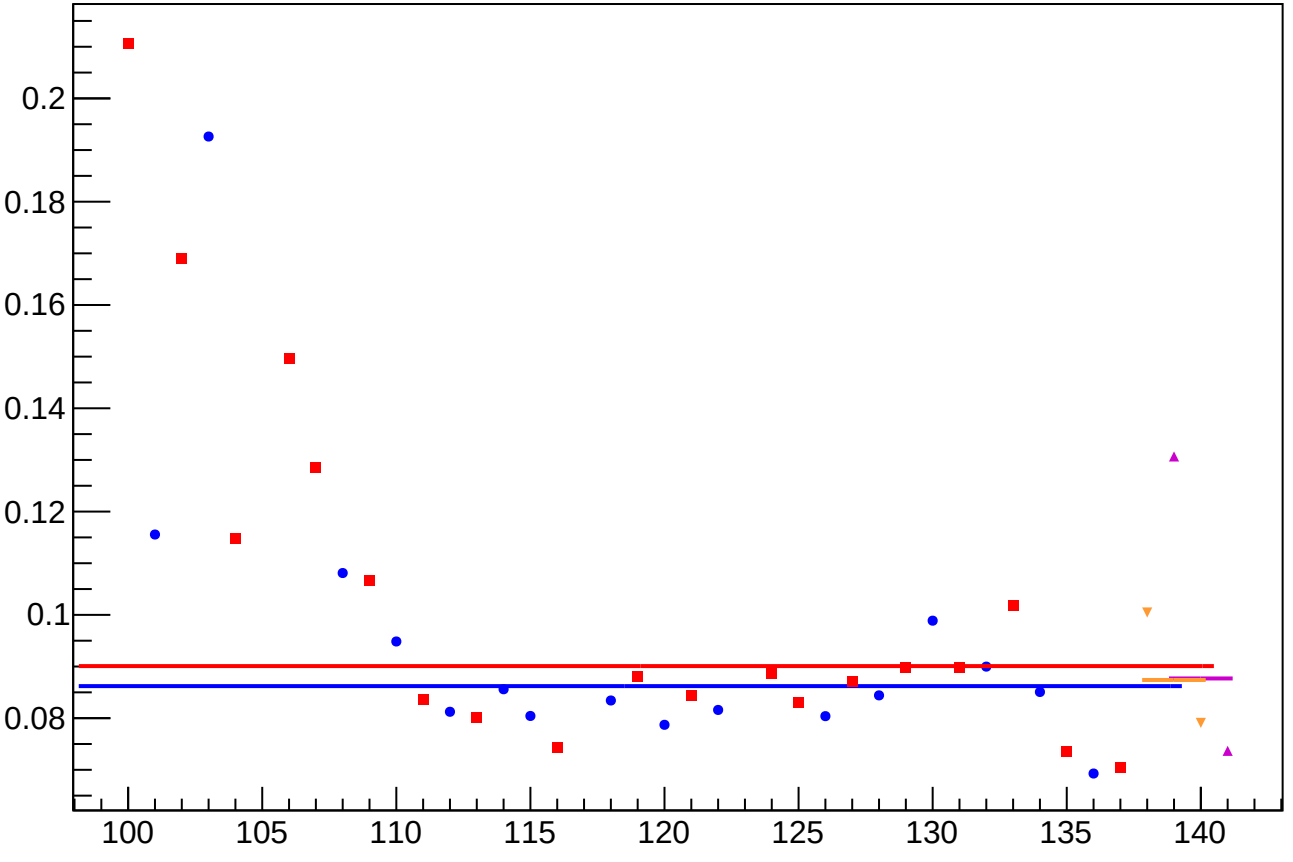
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.458+/-0.000 χ^2/NDF:875199461.0/17

Out: 32.366+/-0.000 χ^2/NDF:211637246.8/20

All: 32.413+/-0.000 χ^2/NDF: 1091139084.0/3

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.087+/-0.000 χ^2/NDF:39554.7/1

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.088+/-0.000 χ^2/NDF:234371.3/1

Left: 0.088+/-0.000 χ^2/NDF: 273942.3/3

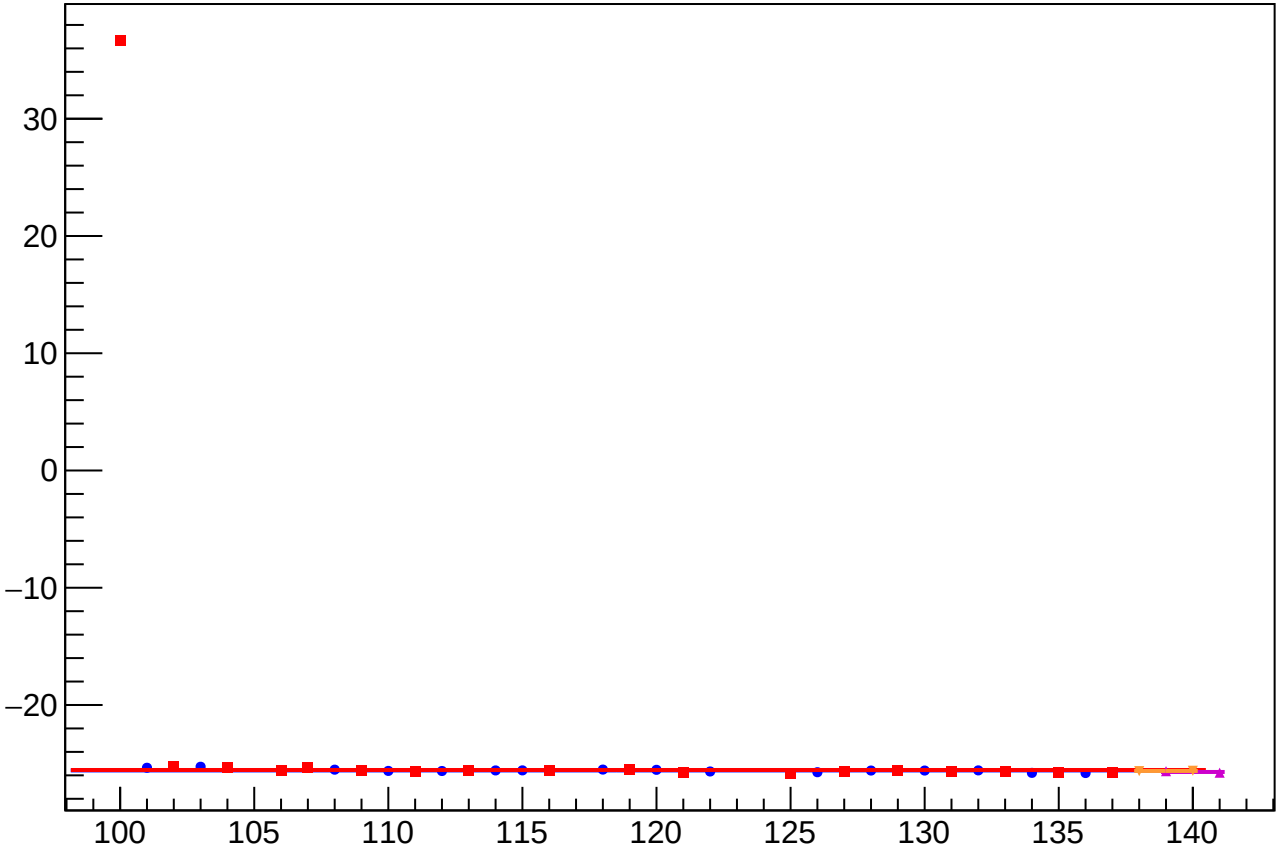
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.086+/-0.000 χ^2/NDF:833786.2/17

Out: 0.090+/-0.000 χ^2/NDF:663544.3/20

All: 0.088+/-0.000 χ^2/NDF: 1506995.1/38

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.625+/-0.000 χ^2/NDF:203153.1/1

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.713+/-0.000 χ^2/NDF:3534861.2/1

Left: -25.669+/-0.000 χ^2/NDF: 6954967.0/3

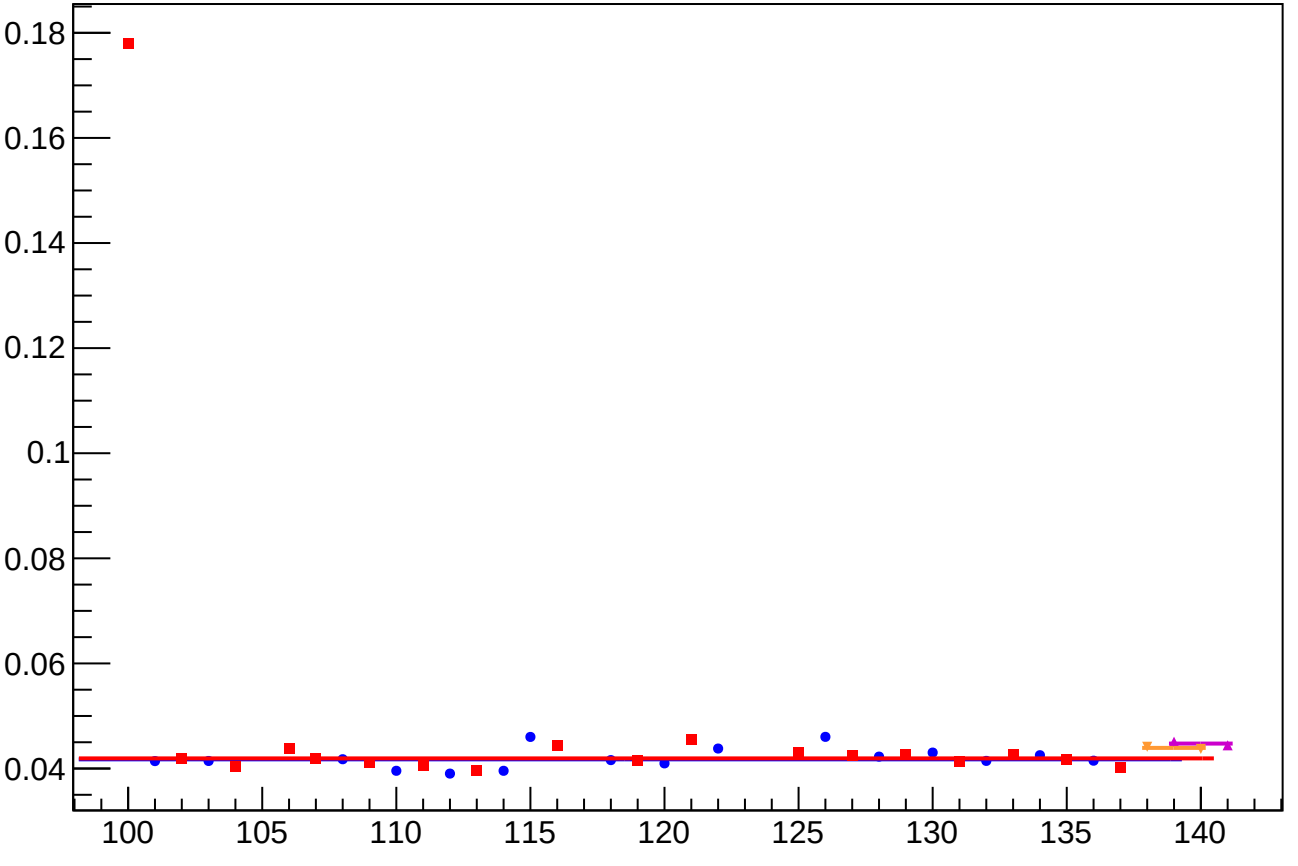
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.602+/-0.000 χ^2/NDF:114509907.3/17

Out: -25.557+/-0.000 χ^2/NDF:8912318717.3/19

All: -25.580+/-0.000 χ^2/NDF: 9031729622.3/

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF:68.6/1

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:198.8/1

Left: 0.044+/-0.000 χ^2/NDF: 836.4/3

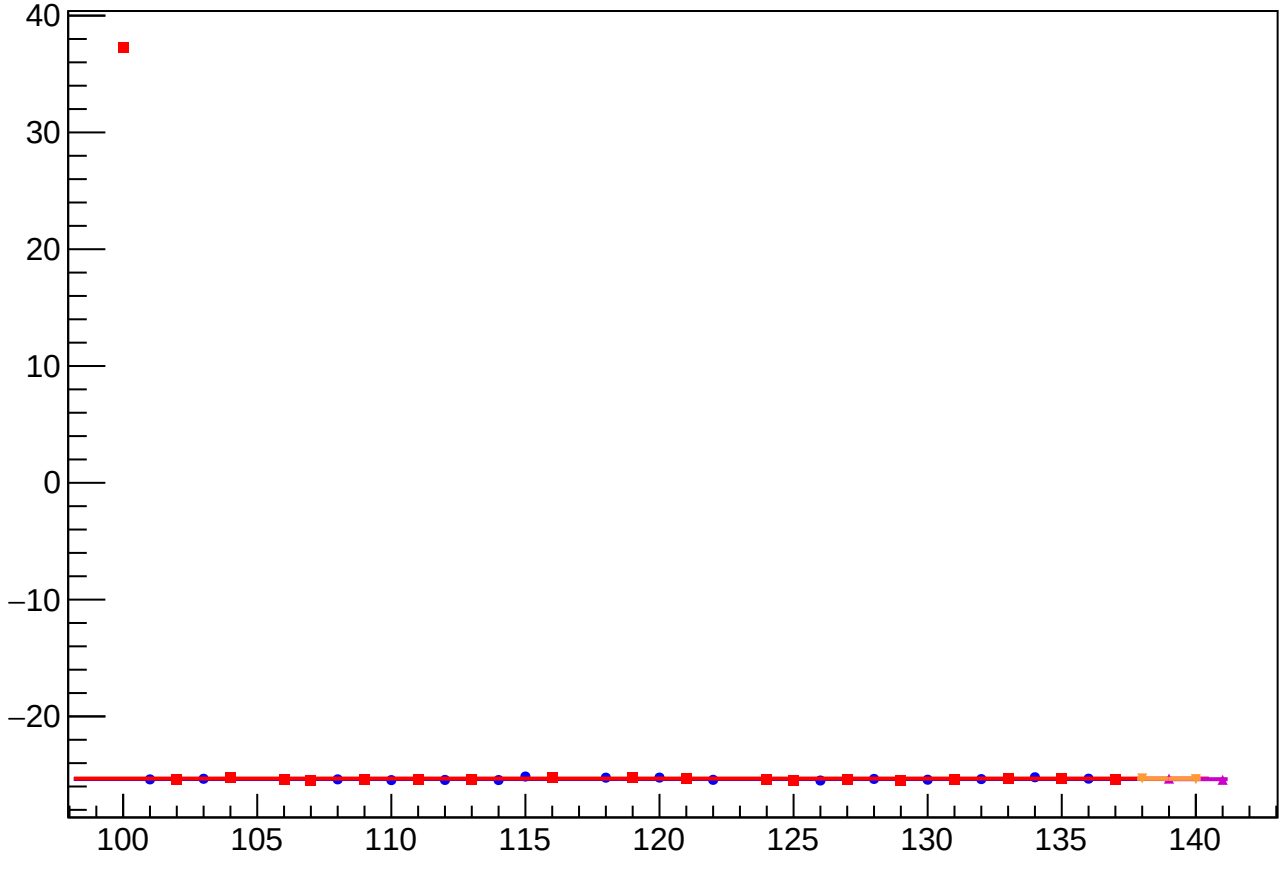
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:33623.8/17

Out: 0.042+/-0.000 χ^2/NDF:105726.0/19

All: 0.042+/-0.000 χ^2/NDF: 139349.8/37

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.344+/-0.000 χ^2/NDF:495179.1/1

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.374+/-0.000 χ^2/NDF:1260403.8/1

Left: -25.359+/-0.000 χ^2/NDF: 1970315.4/3

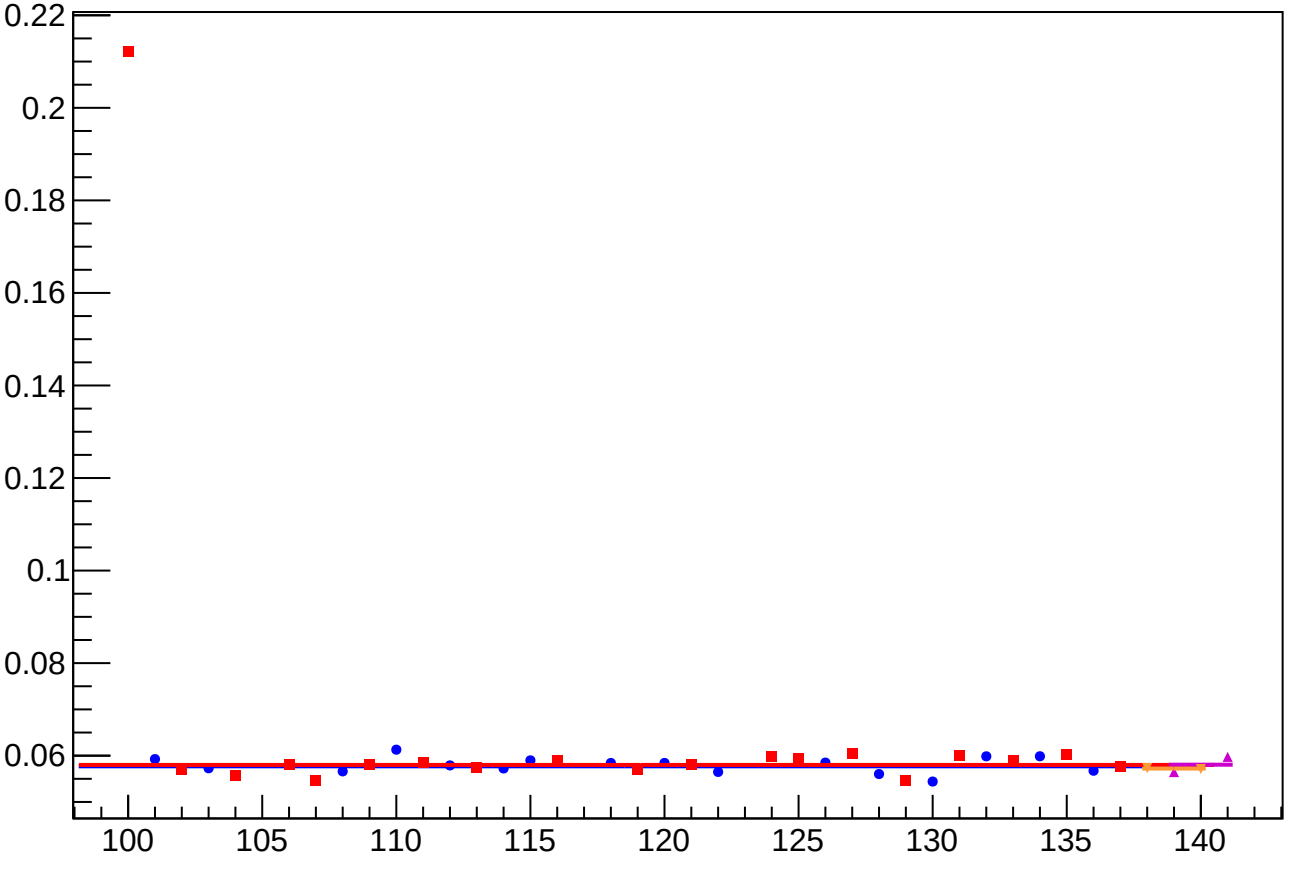
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.363+/-0.000 χ^2/NDF:14620457.4/17

Out: -25.326+/-0.000 χ^2/NDF:6315595408.8/20

All: -25.344+/-0.000 χ^2/NDF: 6331978156.2/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF:9.7/1

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:2665.7/1

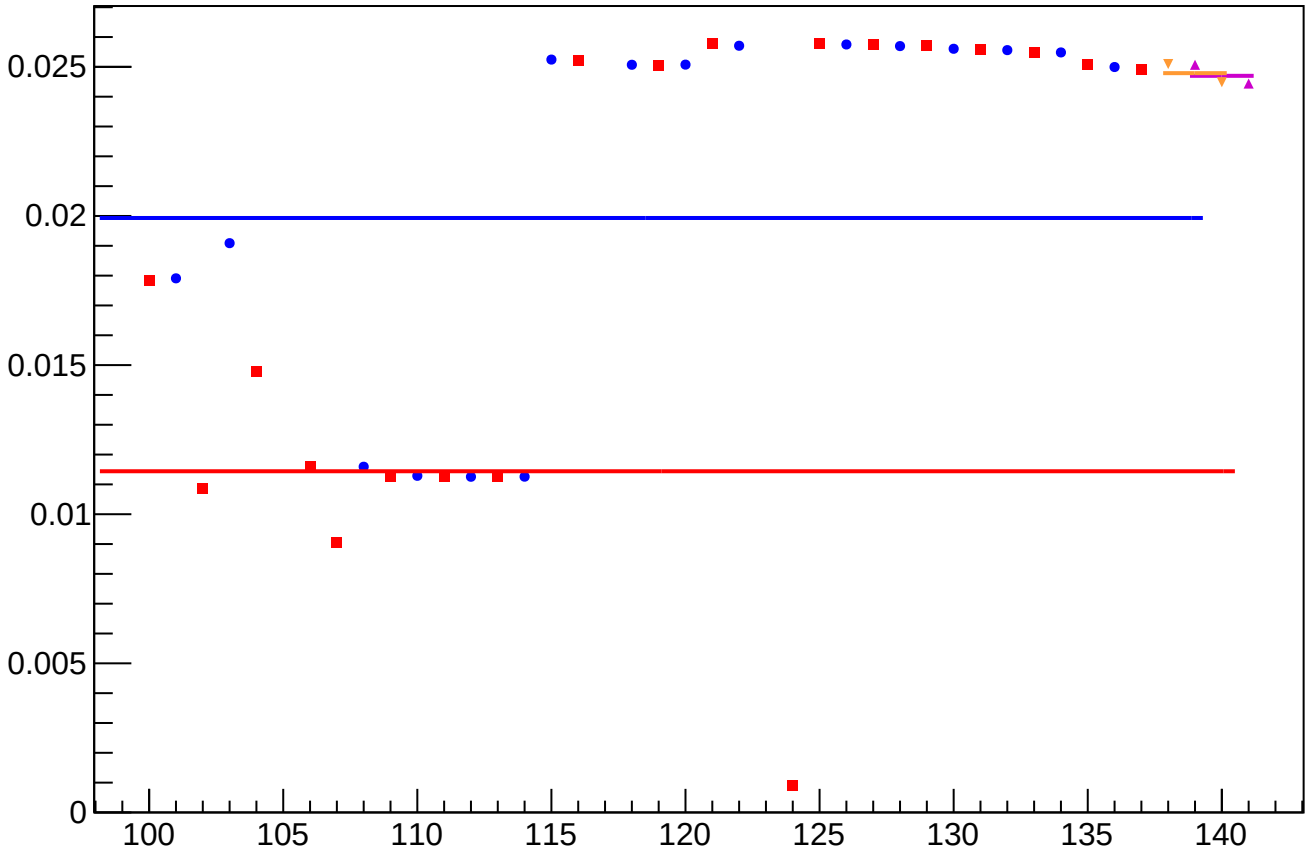
Left: 0.058+/-0.000 χ^2/NDF: 3011.5/3

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.058+/-0.000 χ^2/NDF:14525.2/17

Out: 0.058+/-0.000 χ^2/NDF:89170.8/20

All: 0.058+/-0.000 χ^2/NDF: 103716.2/38



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:22518627.0/1

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:24524695.0/1

Left: 0.025+/-0.000 χ^2/NDF: 48041792.1/3

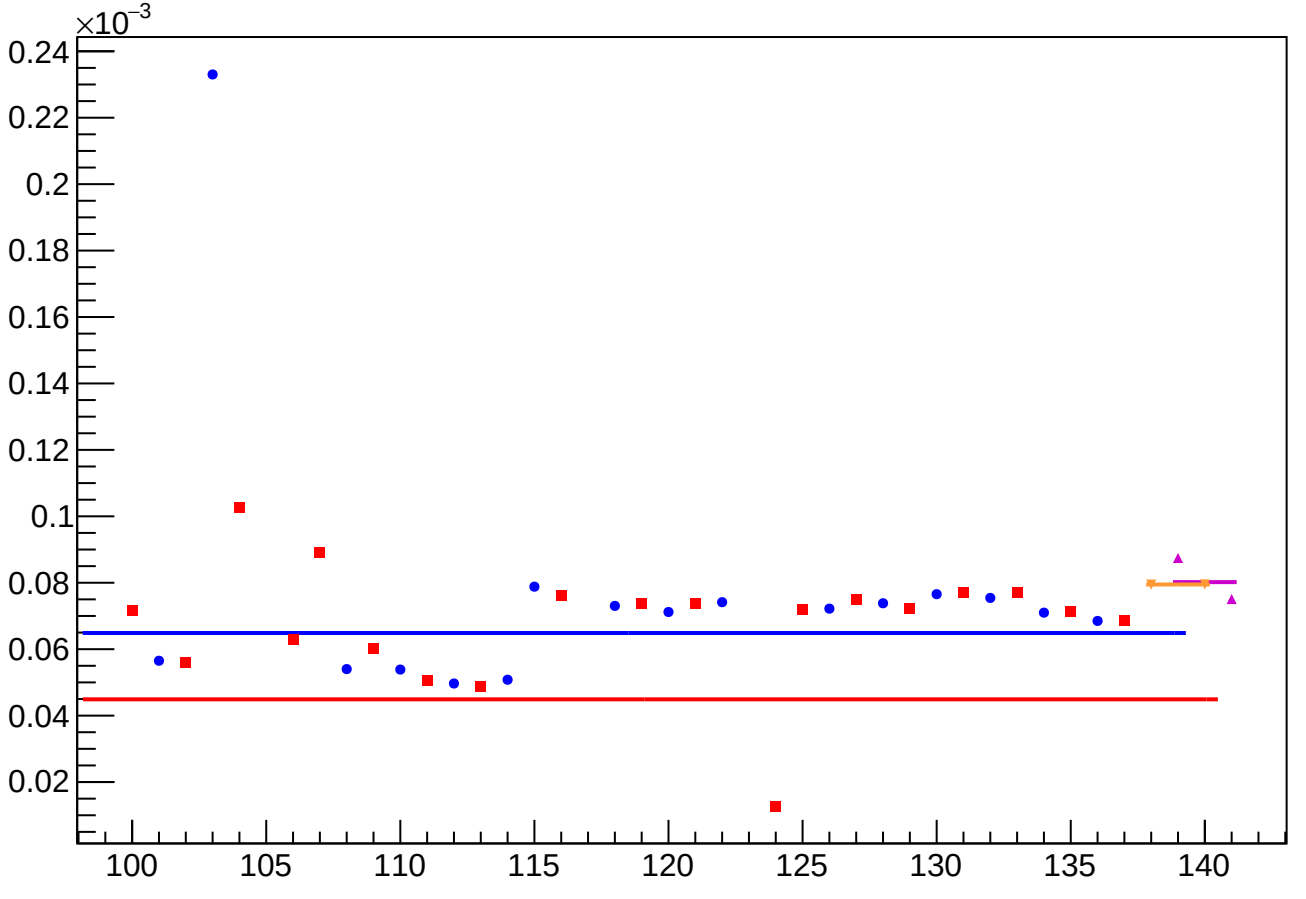
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.021+/-0.000 χ^2/NDF:67477323473.4/17

Out: 0.013+/-0.000 χ^2/NDF:293287324681.5/20

All: 0.016+/-0.000 χ^2/NDF: 430724080626.6

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:18919.7/1

Left: 0.000+/-0.000 χ^2/NDF: 19045.8/3

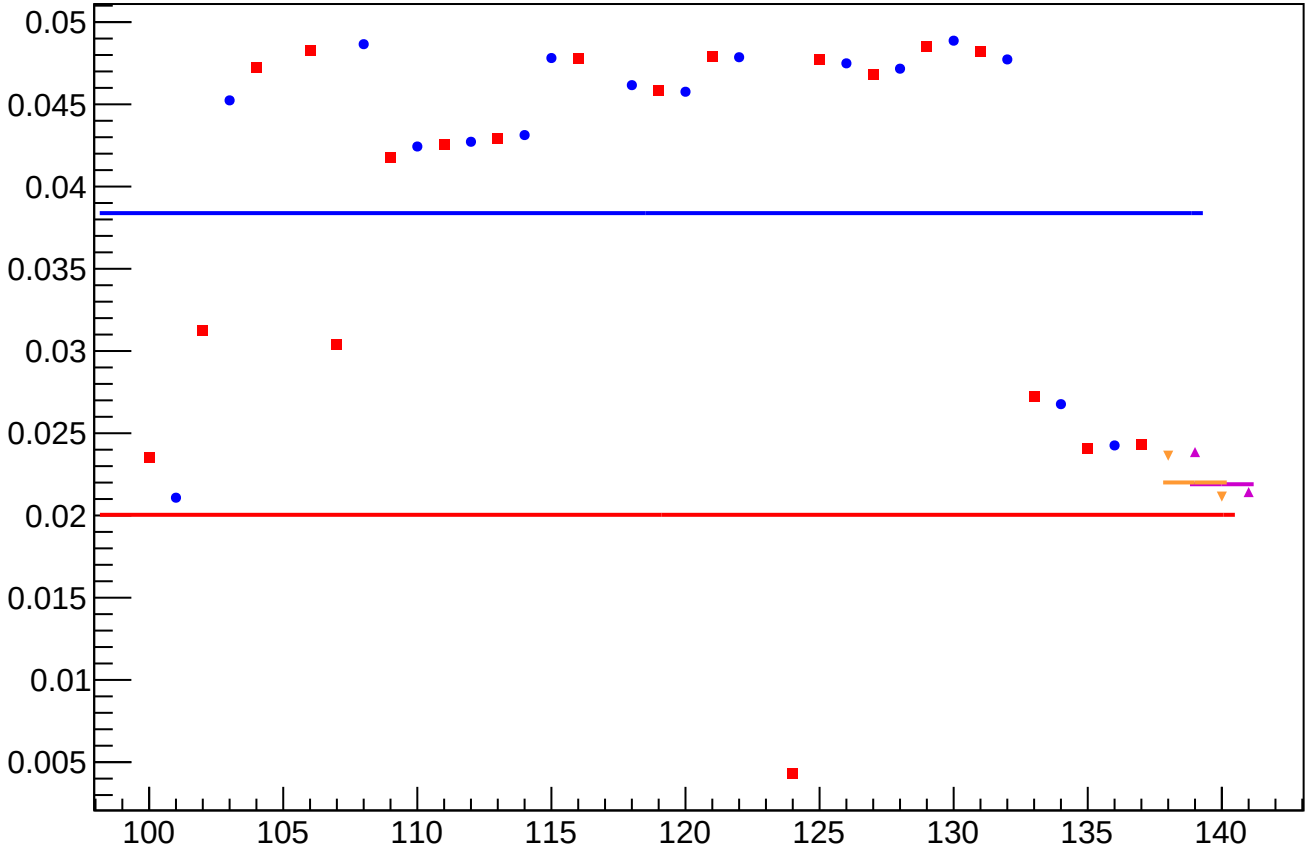
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:938785.0/17

Out: 0.000+/-0.000 χ^2/NDF:4298848.3/20

All: 0.000+/-0.000 χ^2/NDF: 6035869.3/38

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.022+/-0.000 χ^2/NDF:23607359.1/1

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:14768641.0/1

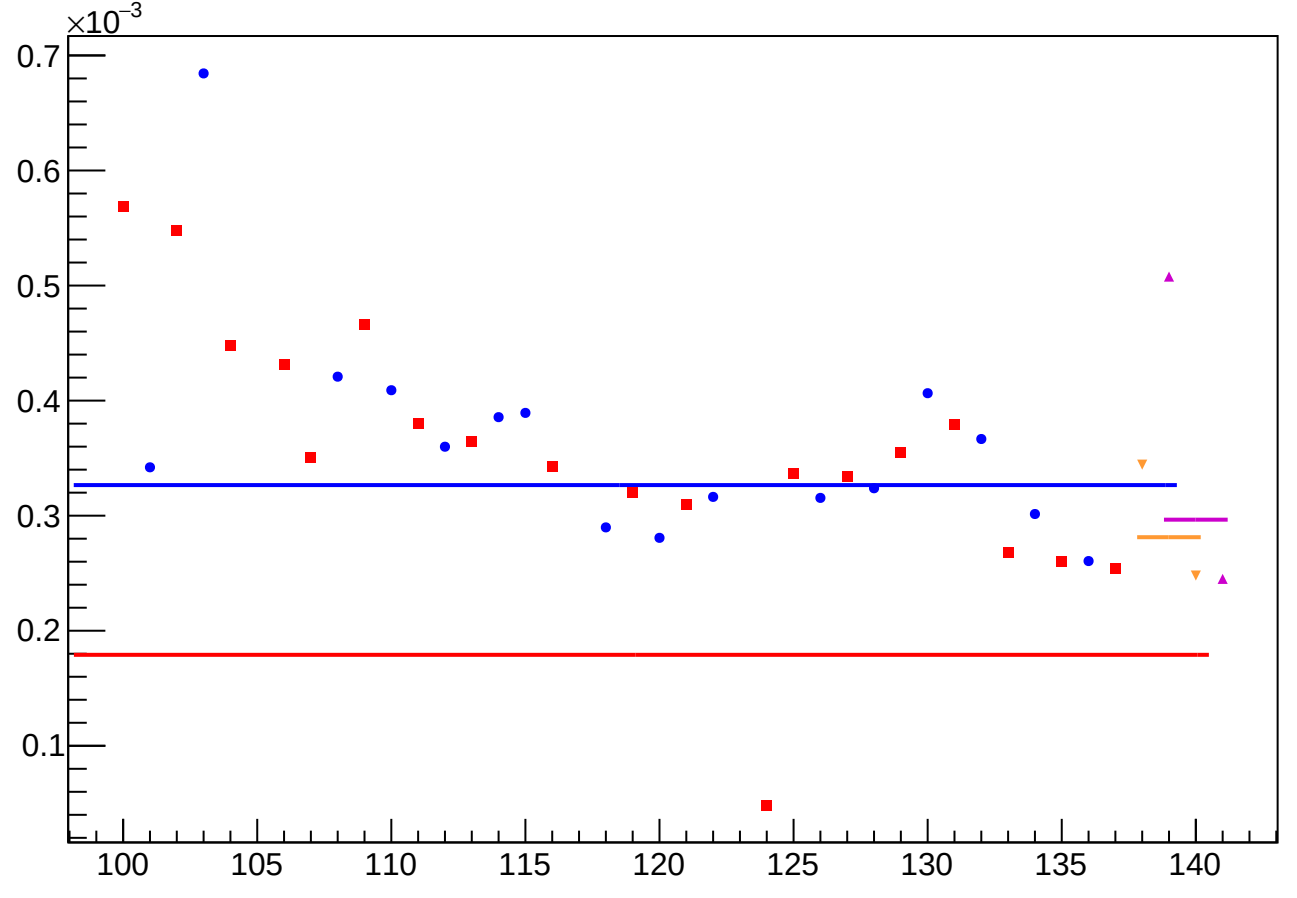
Left: 0.022+/-0.000 χ^2/NDF: 38471844.8/3

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.035+/-0.000 χ^2/NDF:10491655187.5/17

Out: 0.020+/-0.000 χ^2/NDF:42265961788.3/20

All: 0.025+/-0.000 χ^2/NDF: 63179365641.6/3



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:70830.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:344618.3/1

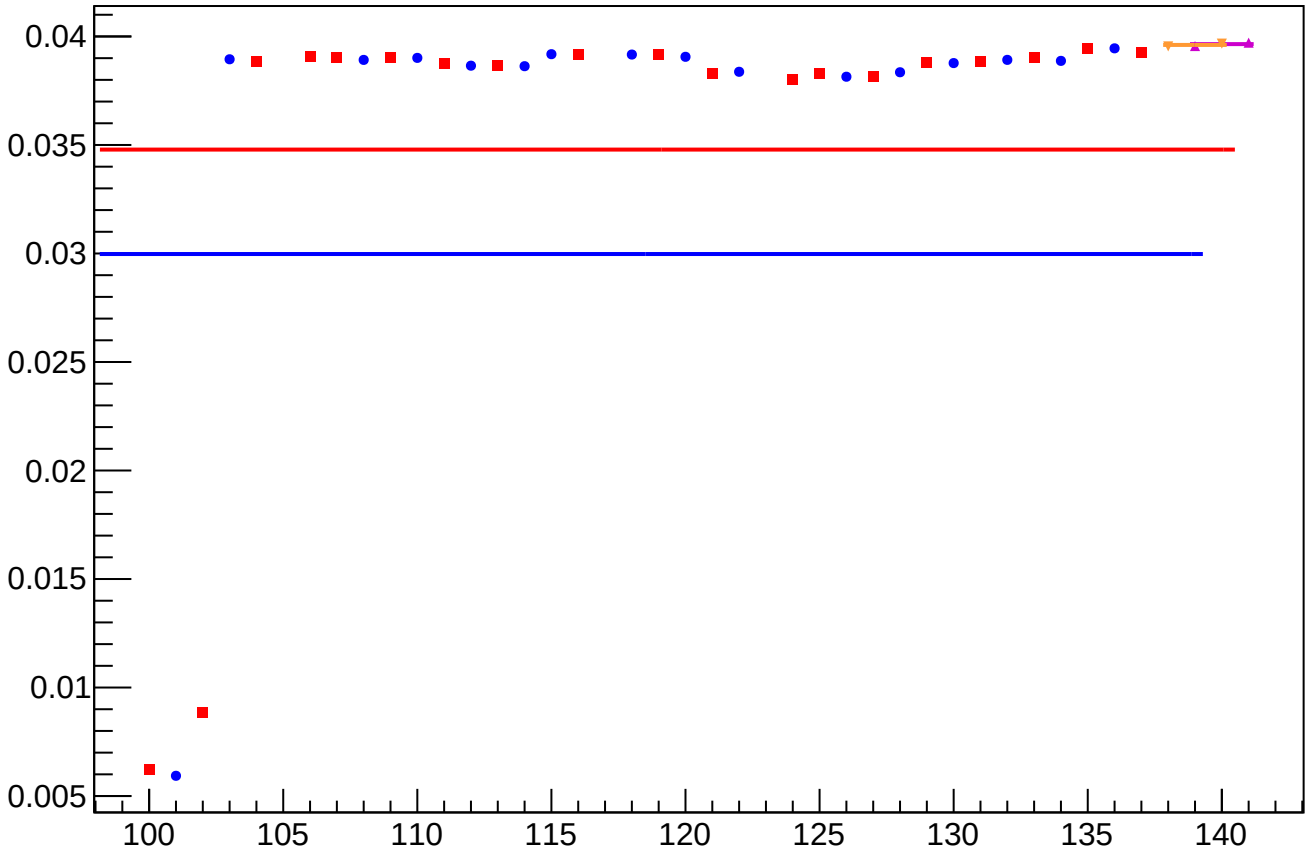
Left: 0.000+/-0.000 χ^2/NDF: 419244.7/3

Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:948641.9/17

Out: 0.000+/-0.000 χ^2/NDF:6041177.3/20

All: 0.000+/-0.000 χ^2/NDF: 8605966.8/38



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:296558.8/1

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:425389.9/1

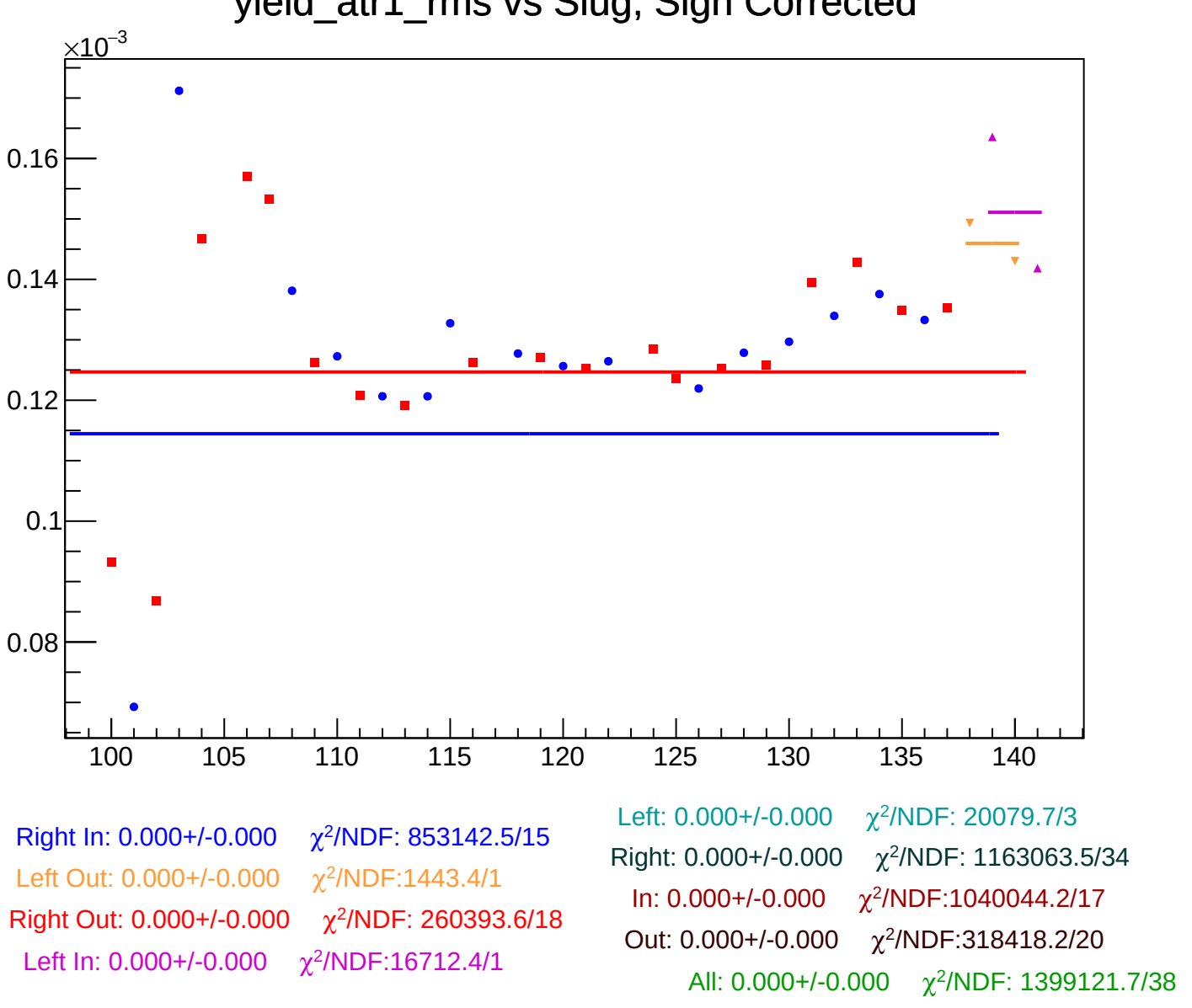
Left: 0.040+/-0.000 χ^2/NDF: 773823.7/3

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

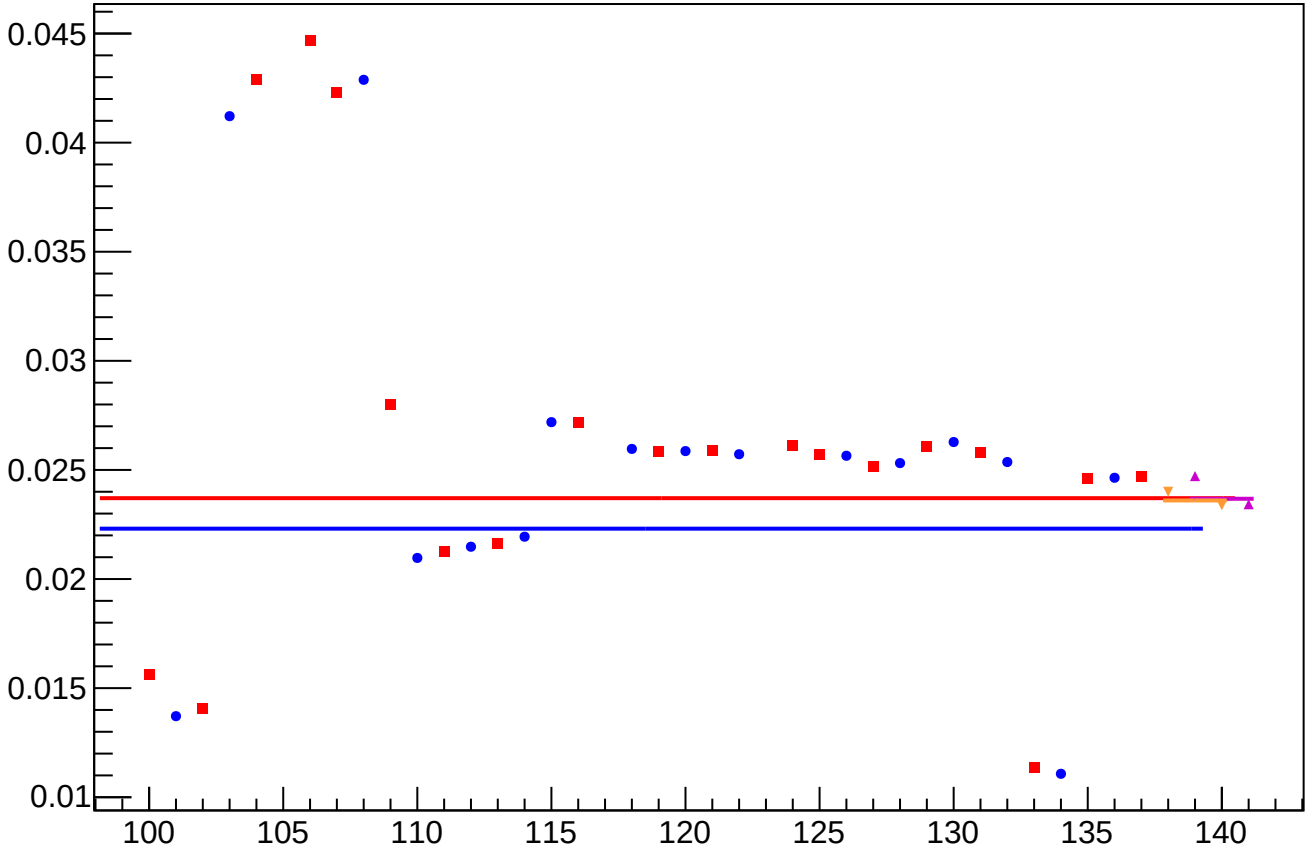
In: 0.031+/-0.000 χ^2/NDF:114207906578.0/17

Out: 0.035+/-0.000 χ^2/NDF:48717515581.3/20

All: 0.033+/-0.000 χ^2/NDF: 167940506950.2


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.16
0.14
0.12
0.1
0.08
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1443.4/1
Right Out: 0.000+/-0.000 χ²/NDF: 260393.6/18
Left In: 0.000+/-0.000 χ²/NDF:16712.4/1
Left: 0.000+/-0.000 χ²/NDF: 20079.7/3
Right: 0.000+/-0.000 χ²/NDF: 1163063.5/34
In: 0.000+/-0.000 χ²/NDF:1040044.2/17
Out: 0.000+/-0.000 χ²/NDF:318418.2/20
All: 0.000+/-0.000 χ²/NDF: 1399121.7/38

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.024+/-0.000 χ^2/NDF:1691736.8/1

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.024+/-0.000 χ^2/NDF:4635774.1/1

Left: 0.024+/-0.000 χ^2/NDF: 6382244.2/3

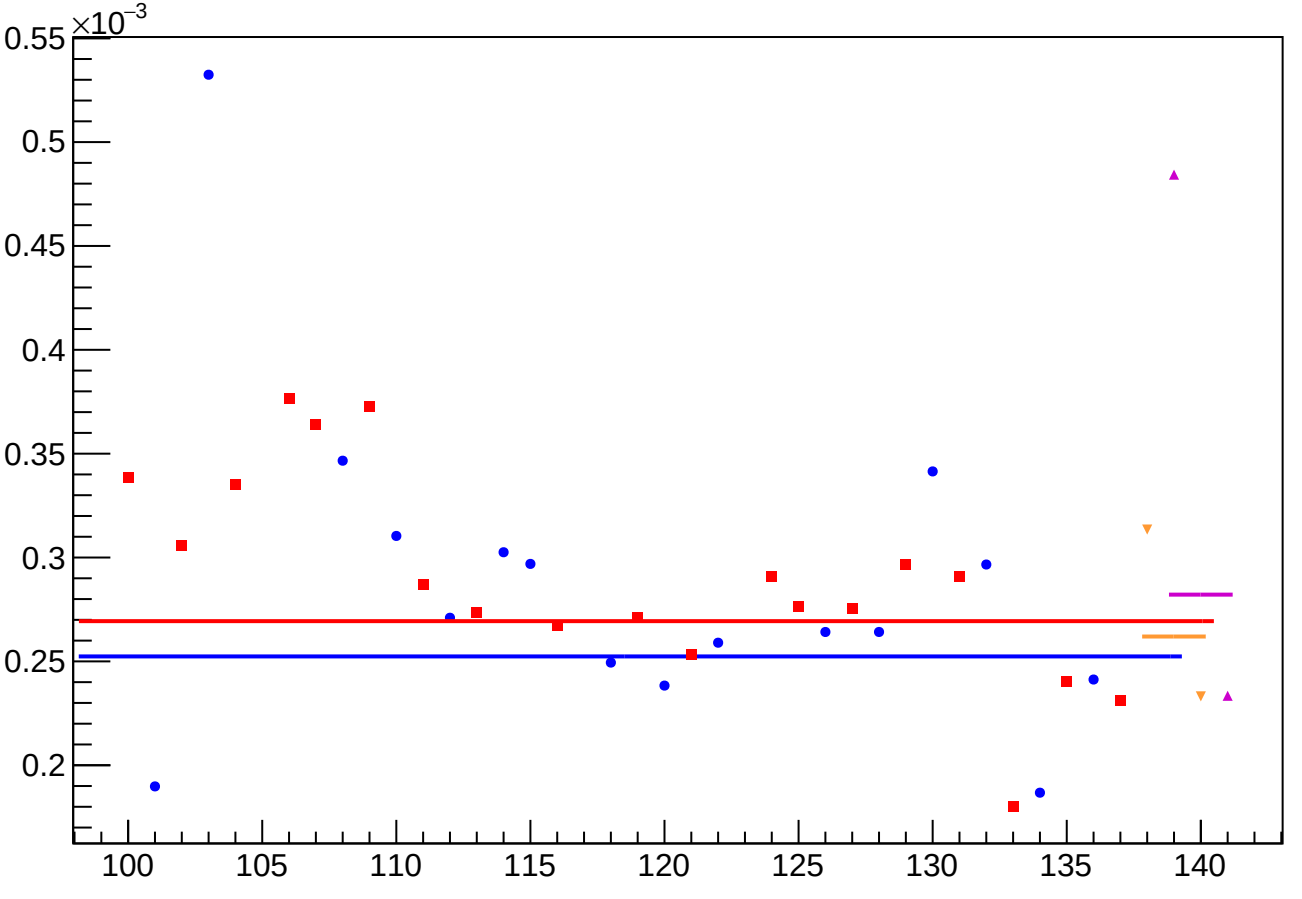
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.023+/-0.000 χ^2/NDF:5045461296.2/17

Out: 0.024+/-0.000 χ^2/NDF:5583728848.0/20

All: 0.023+/-0.000 χ^2/NDF: 10705748595.1/3

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:57209.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:350994.4/1

Left: 0.000+/-0.000 χ^2/NDF: 415737.7/3

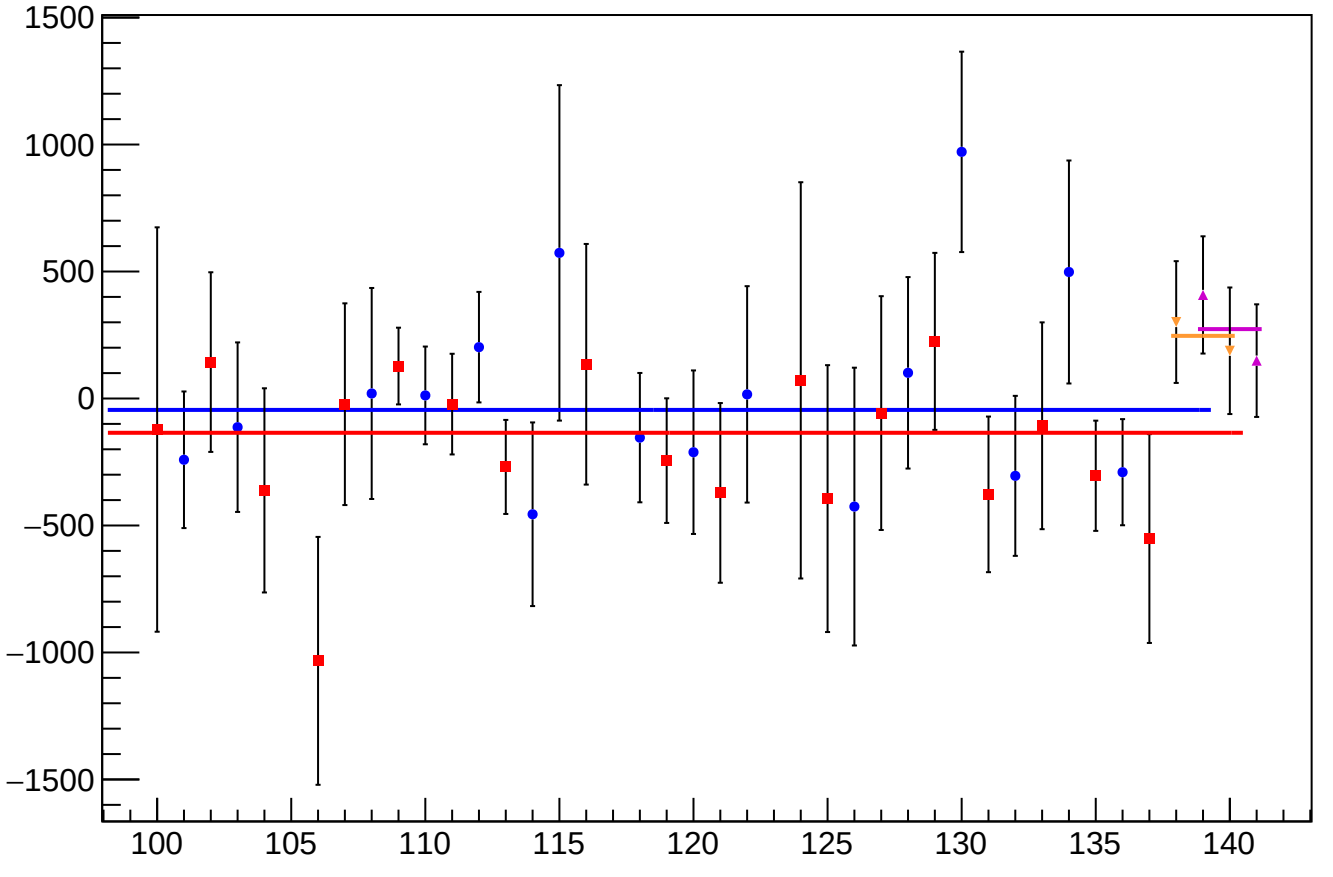
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1085559.5/17

Out: 0.000+/-0.000 χ^2/NDF:505307.0/20

All: 0.000+/-0.000 χ^2/NDF: 1604671.6/38

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 246.668+/-172.758 χ^2/NDF:0.1/1

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 273.267+/-159.901 χ^2/NDF:0.7/1

Left: 260.994+/-117.349 χ^2/NDF: 0.8/3

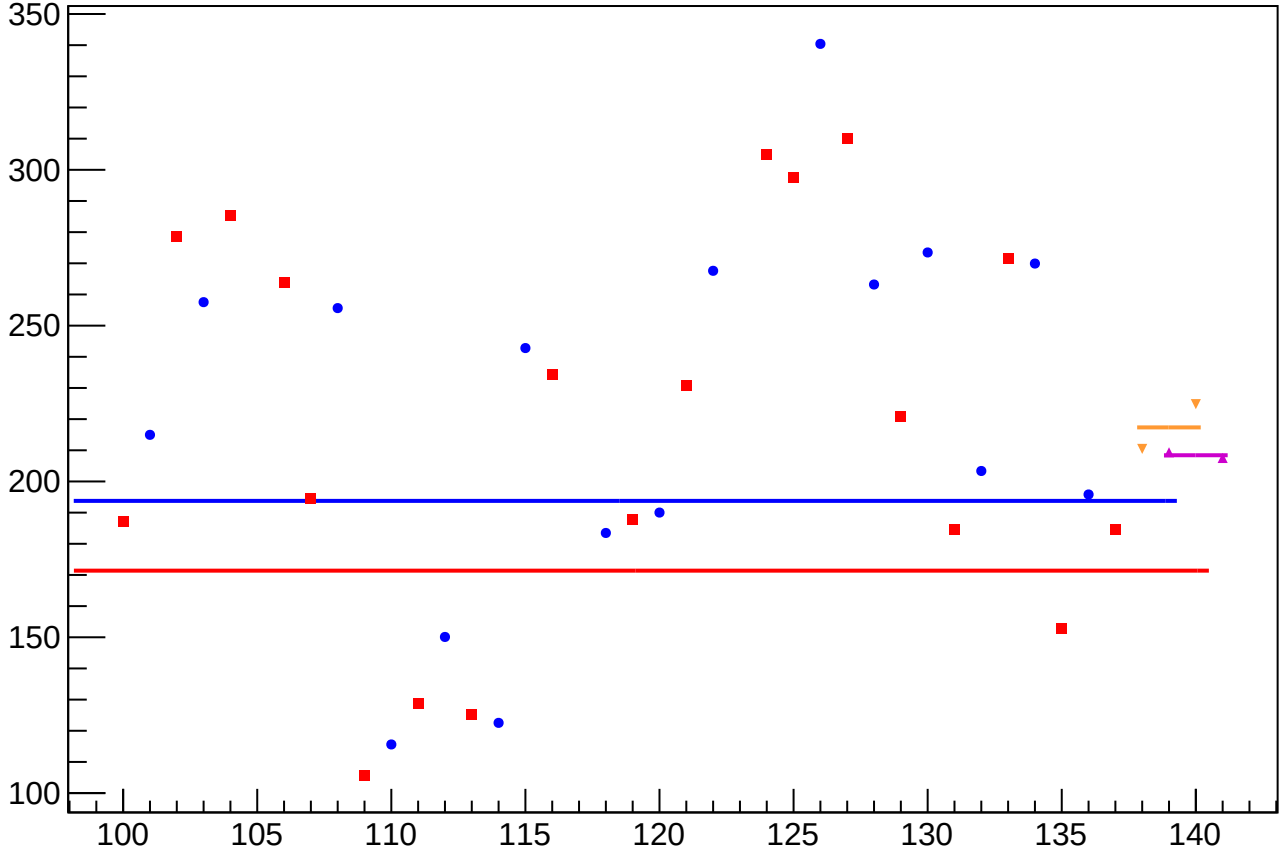
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 13.966+/-68.787 χ^2/NDF:19.3/17

Out: -83.716+/-63.325 χ^2/NDF:17.3/20

All: -38.907+/-46.589 χ^2/NDF: 37.7/38

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 217.347+/-0.122 χ^2/NDF:3450.2/1

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 208.414+/-0.113 χ^2/NDF:64.8/1

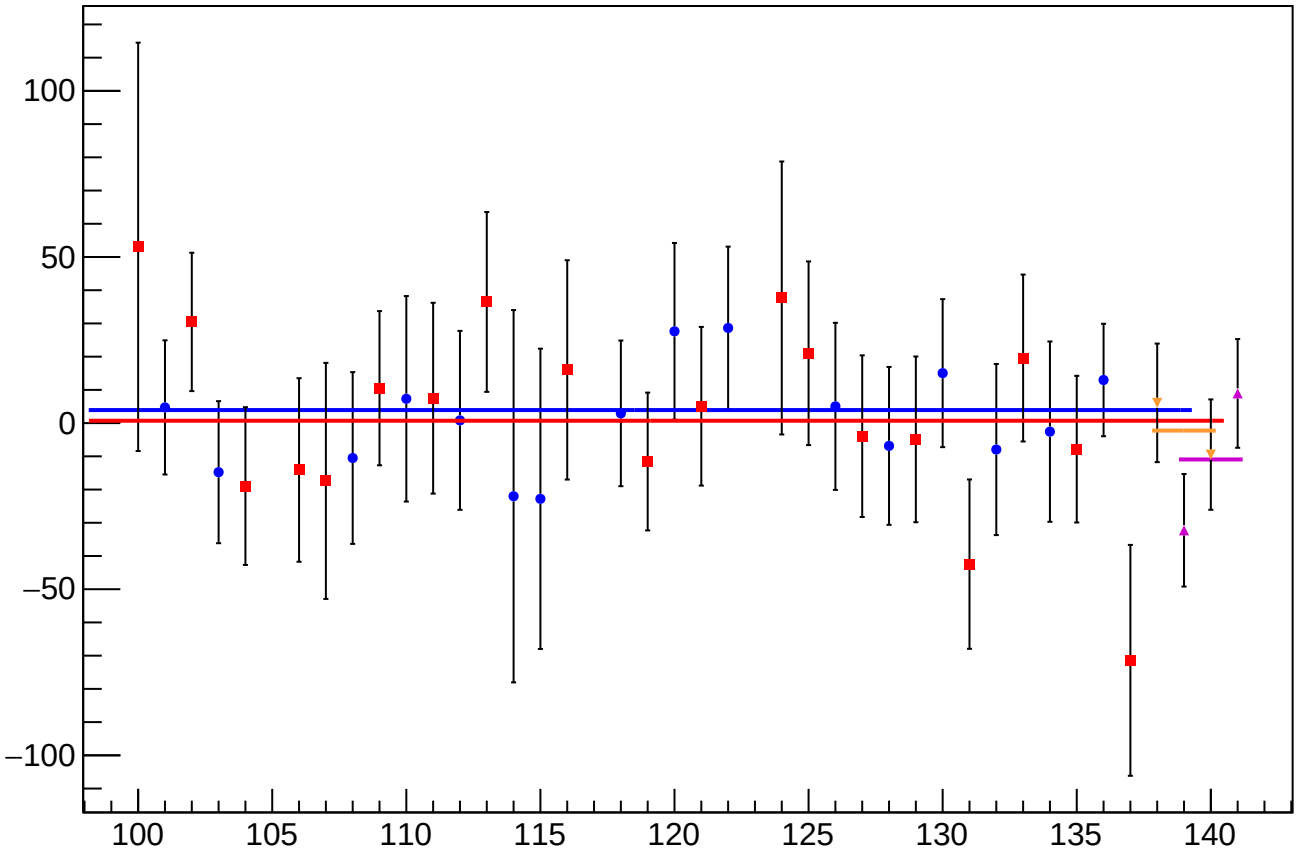
Left: 212.536+/-0.083 χ^2/NDF: 6395.0/3

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 196.478+/-0.049 χ^2/NDF:1061834.7/17

Out: 177.558+/-0.045 χ^2/NDF:1784089.9/20

All: 186.237+/-0.033 χ^2/NDF: 2927827.4/38



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.250+/-12.158 χ^2/NDF:0.4/1

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -10.943+/-11.772 χ^2/NDF:3.1/1

Left: -6.737+/-8.457 χ^2/NDF: 3.7/3

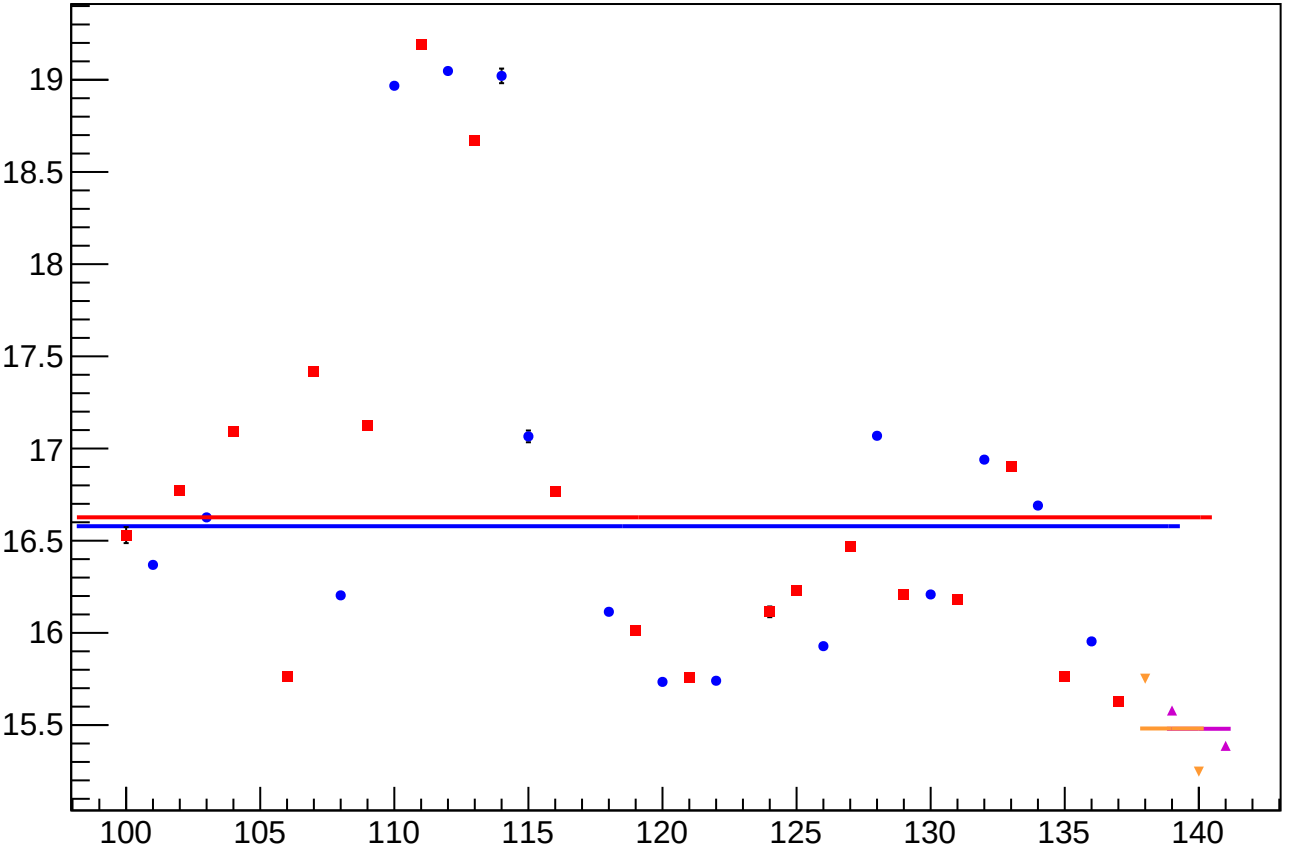
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 0.718+/-5.466 χ^2/NDF:8.8/17

Out: 0.121+/-5.436 χ^2/NDF:16.4/20

All: 0.418+/-3.854 χ^2/NDF: 25.2/38

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.481+/-0.009 χ^2/NDF:854.9/1

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.480+/-0.008 χ^2/NDF:132.3/1

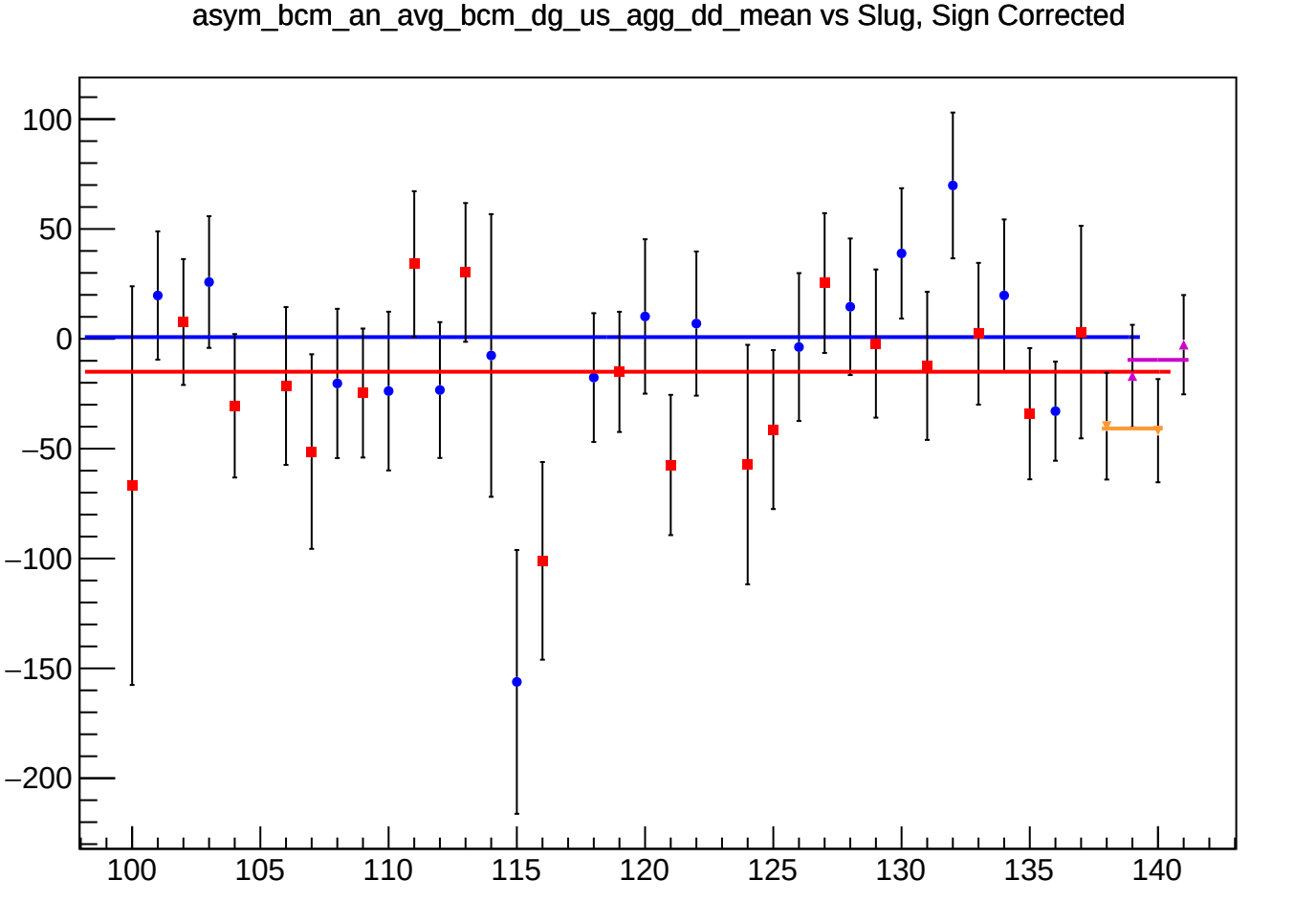
Left: 15.481+/-0.006 χ^2/NDF: 987.3/3

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.342+/-0.004 χ^2/NDF:58376.0/17

Out: 16.398+/-0.004 χ^2/NDF:58521.5/20

All: 16.370+/-0.003 χ^2/NDF: 117003.9/38



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -40.810+/-16.898 χ^2/NDF:0.0/1

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -9.583+/-16.231 χ^2/NDF:0.2/1

Left: -24.568+/-11.706 χ^2/NDF: 2.0/3

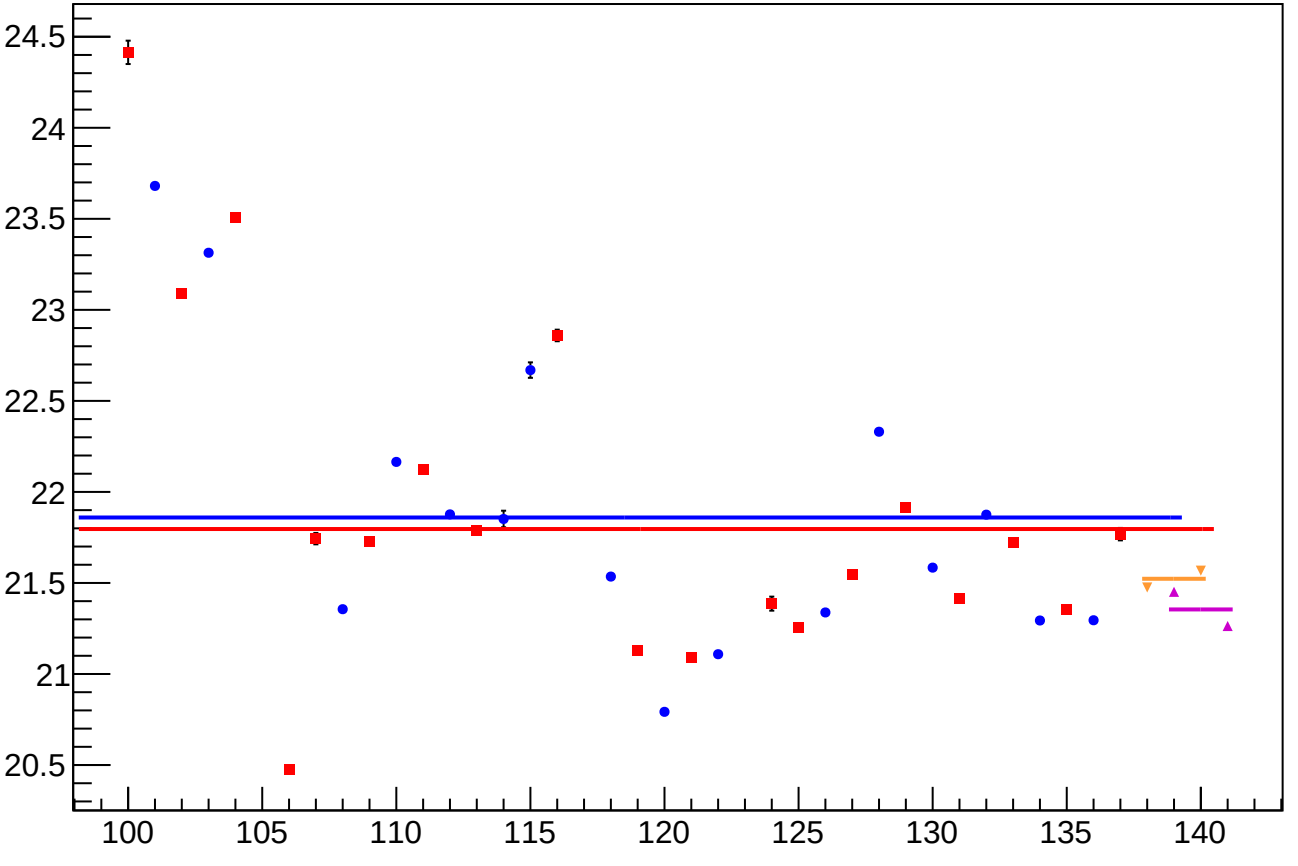
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -1.289+/-7.265 χ^2/NDF:19.2/17

Out: -19.665+/-7.196 χ^2/NDF:17.3/20

All: -10.565+/-5.113 χ^2/NDF: 39.7/38

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.523+/-0.012 χ^2/NDF:14.9/1

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.355+/-0.011 χ^2/NDF:66.9/1

Left: 21.435+/-0.008 χ^2/NDF: 185.1/3

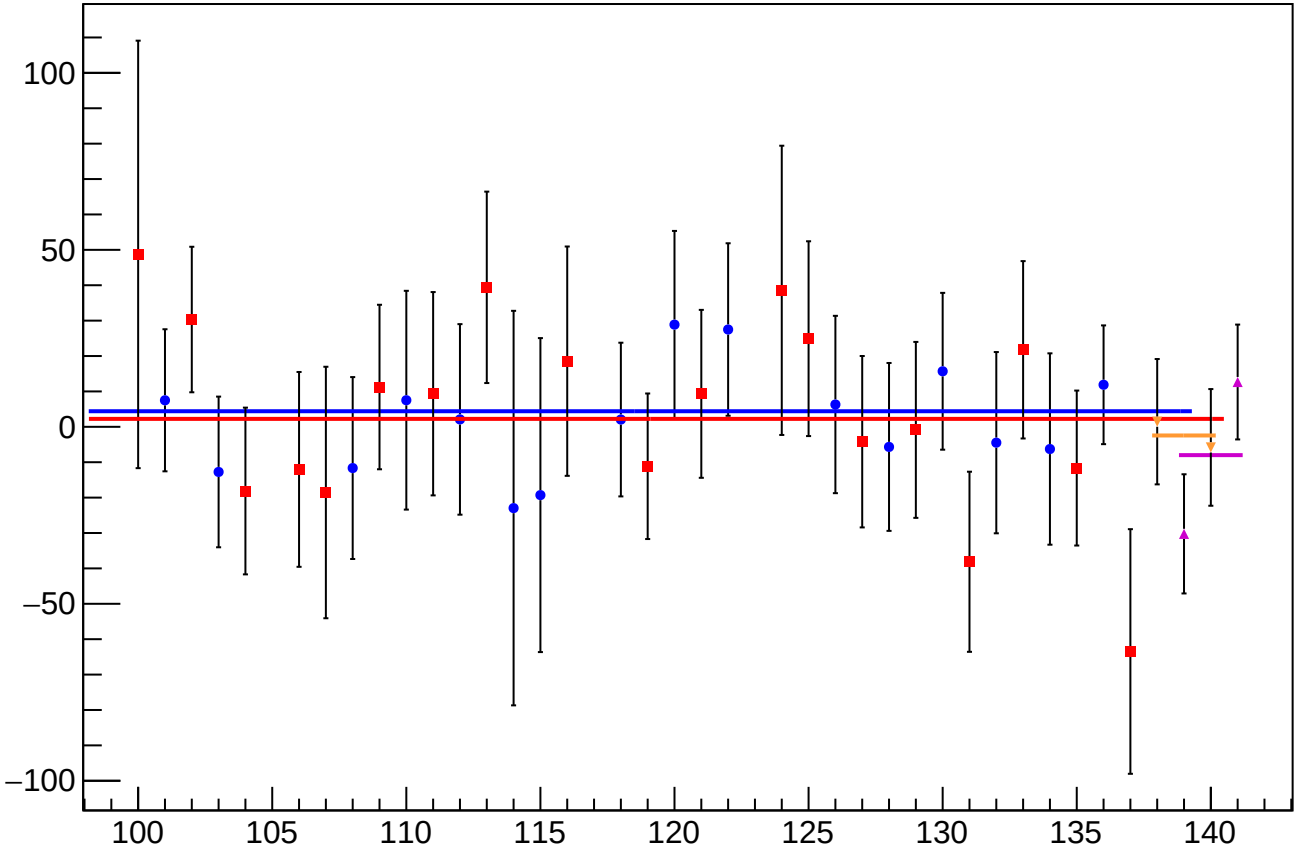
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.758+/-0.005 χ^2/NDF:21083.2/17

Out: 21.747+/-0.005 χ^2/NDF:19304.4/20

All: 21.752+/-0.004 χ^2/NDF: 40390.3/38

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -2.445+/-12.064 χ^2/NDF:0.1/1

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -7.998+/-11.682 χ^2/NDF:3.4/1

Left: -5.311+/-8.393 χ^2/NDF: 3.6/3

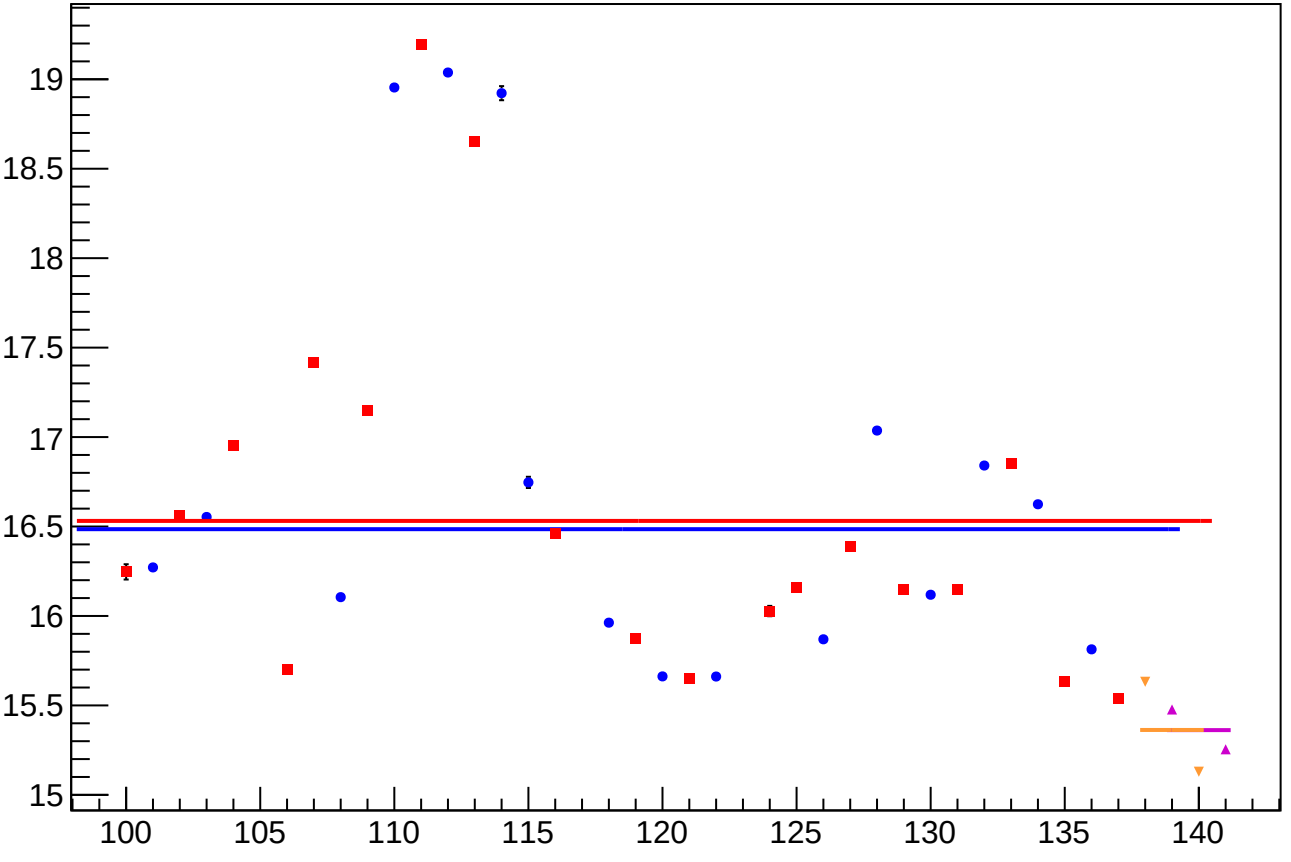
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 1.722+/-5.433 χ^2/NDF:8.5/17

Out: 1.304+/-5.403 χ^2/NDF:15.6/20

All: 1.512+/-3.831 χ^2/NDF: 24.1/38

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.363+/-0.009 χ^2/NDF:863.7/1

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.362+/-0.008 χ^2/NDF:181.1/1

Left: 15.362+/-0.006 χ^2/NDF: 1044.9/3

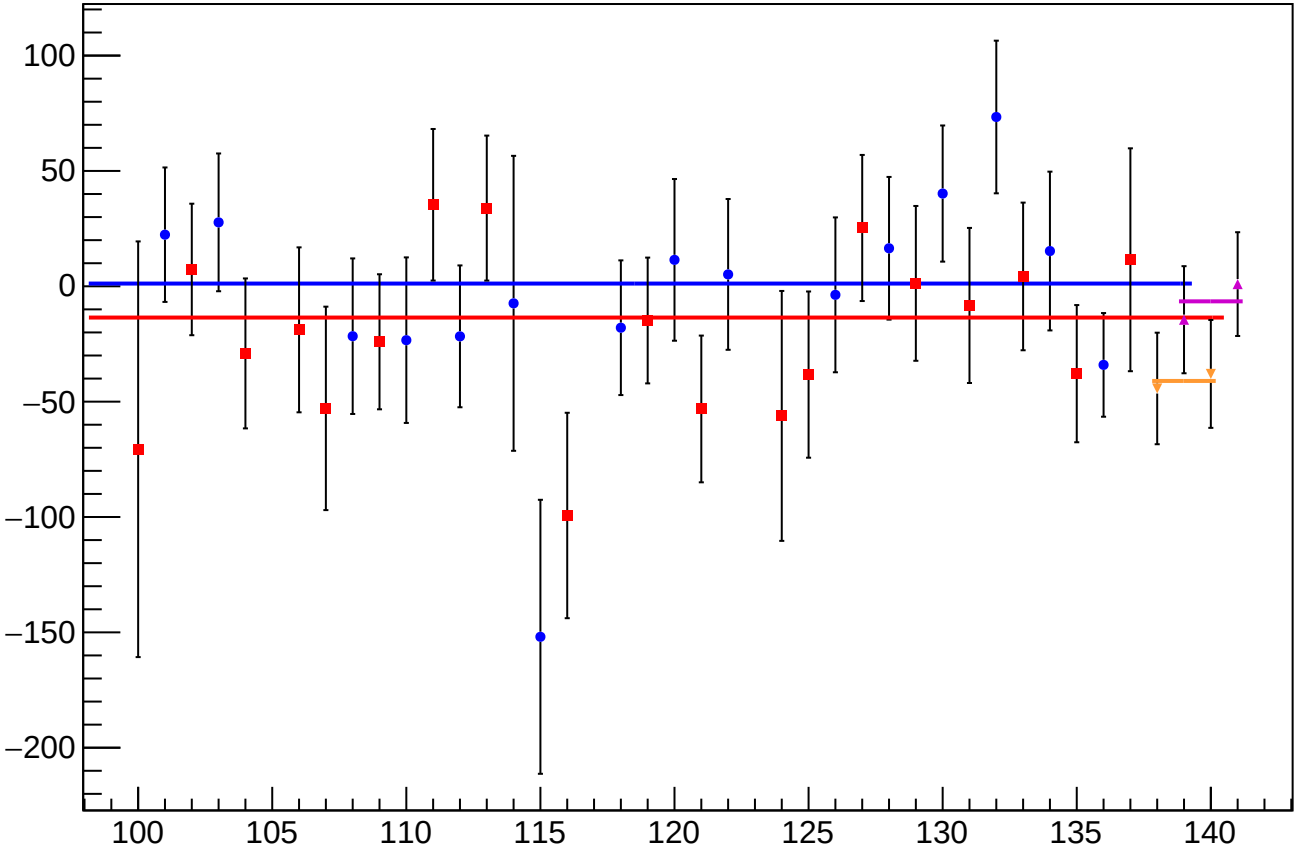
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 16.242+/-0.004 χ^2/NDF:61855.6/17

Out: 16.297+/-0.004 χ^2/NDF:62337.2/20

All: 16.270+/-0.003 χ^2/NDF: 124295.1/38

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -41.027+/-16.805 χ^2/NDF:0.0/1

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -6.524+/-16.152 χ^2/NDF:0.2/1

Left: -23.092+/-11.645 χ^2/NDF: 2.5/3

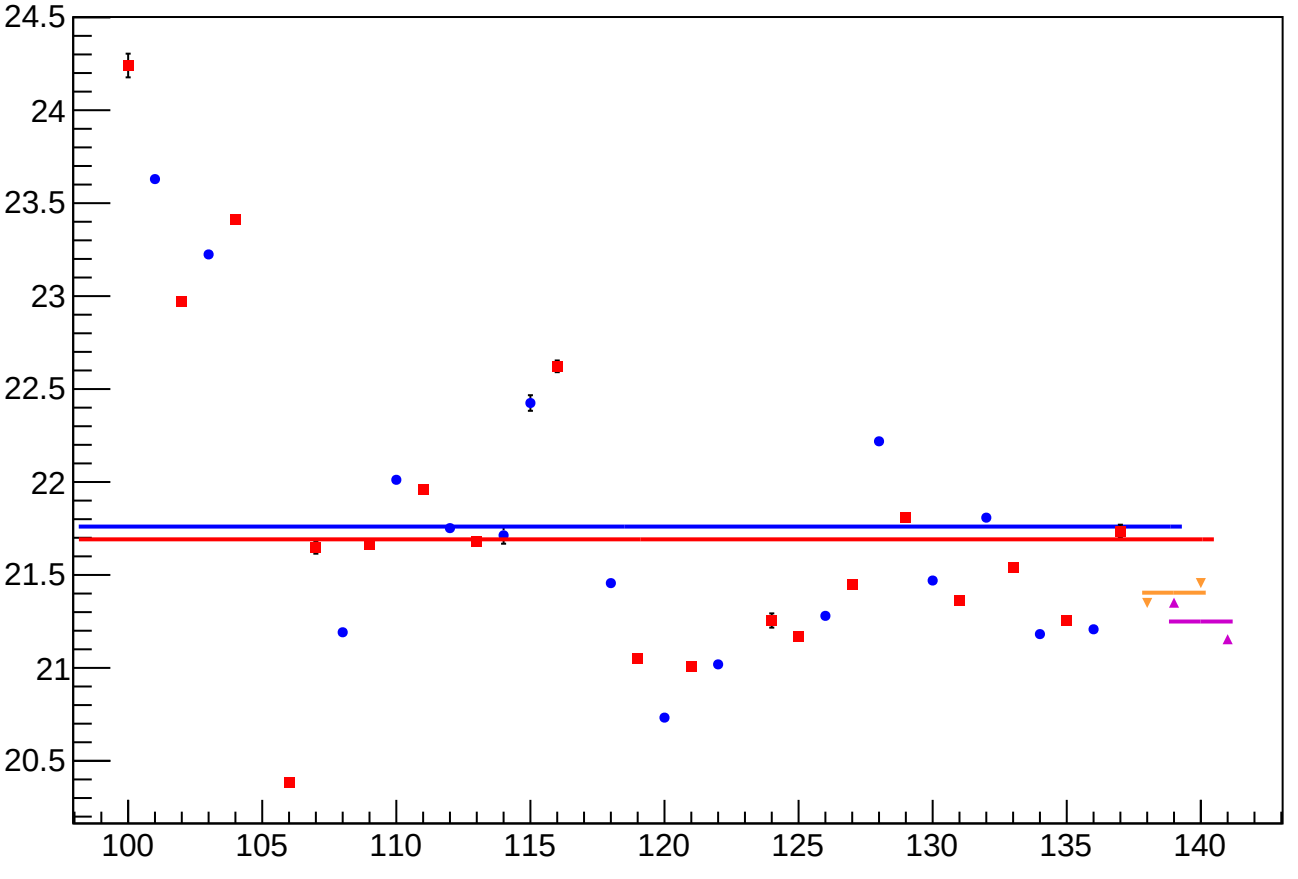
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -0.361+/-7.232 χ^2/NDF:19.8/17

Out: -18.538+/-7.161 χ^2/NDF:18.2/20

All: -9.539+/-5.088 χ^2/NDF: 41.2/38

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.405+/-0.012 χ^2/NDF:20.2/1

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.250+/-0.011 χ^2/NDF:74.0/1

Left: 21.324+/-0.008 χ^2/NDF: 182.7/3

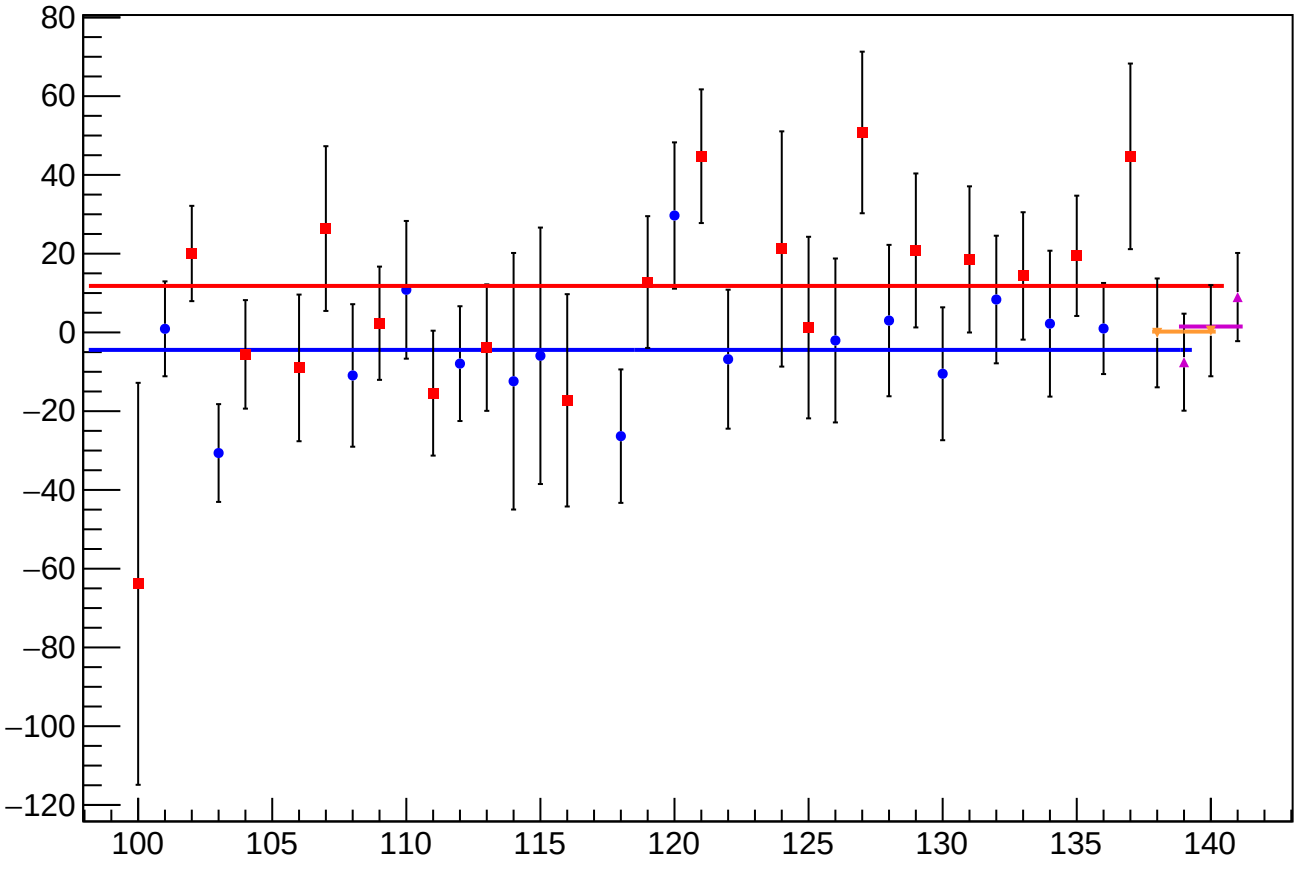
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.658+/-0.005 χ^2/NDF:21418.5/17

Out: 21.639+/-0.005 χ^2/NDF:18828.1/20

All: 21.649+/-0.004 χ^2/NDF: 40253.2/38

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.210+/-8.875 χ^2/NDF:0.0/1

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 1.496+/-8.286 χ^2/NDF:1.0/1

Left: 0.897+/-6.057 χ^2/NDF: 1.0/3

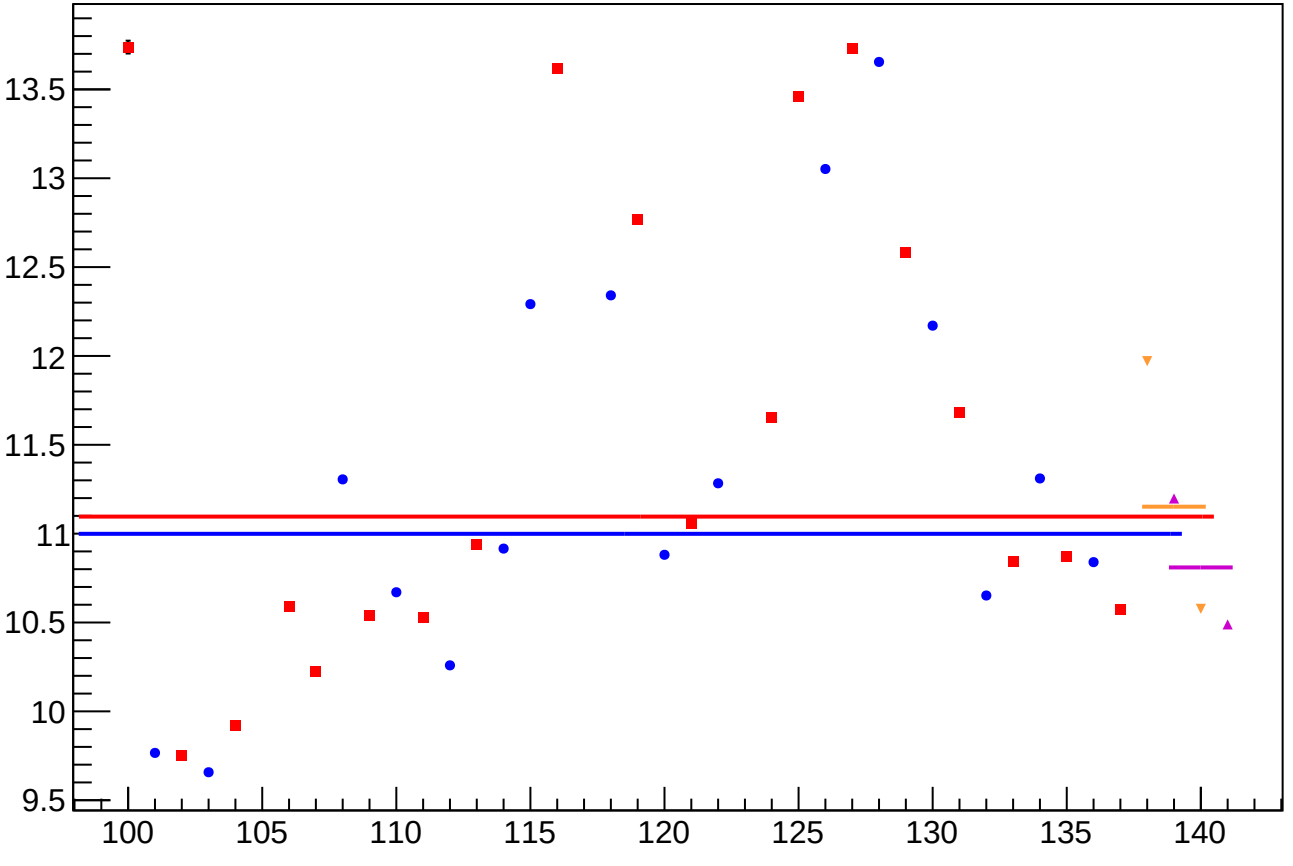
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -3.258+/-3.697 χ^2/NDF:13.4/17

Out: 9.769+/-3.720 χ^2/NDF:23.1/20

All: 3.215+/-2.622 χ^2/NDF: 42.7/38

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.152+/-0.006 χ^2/NDF:11952.4/1

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.810+/-0.006 χ^2/NDF:3622.0/1

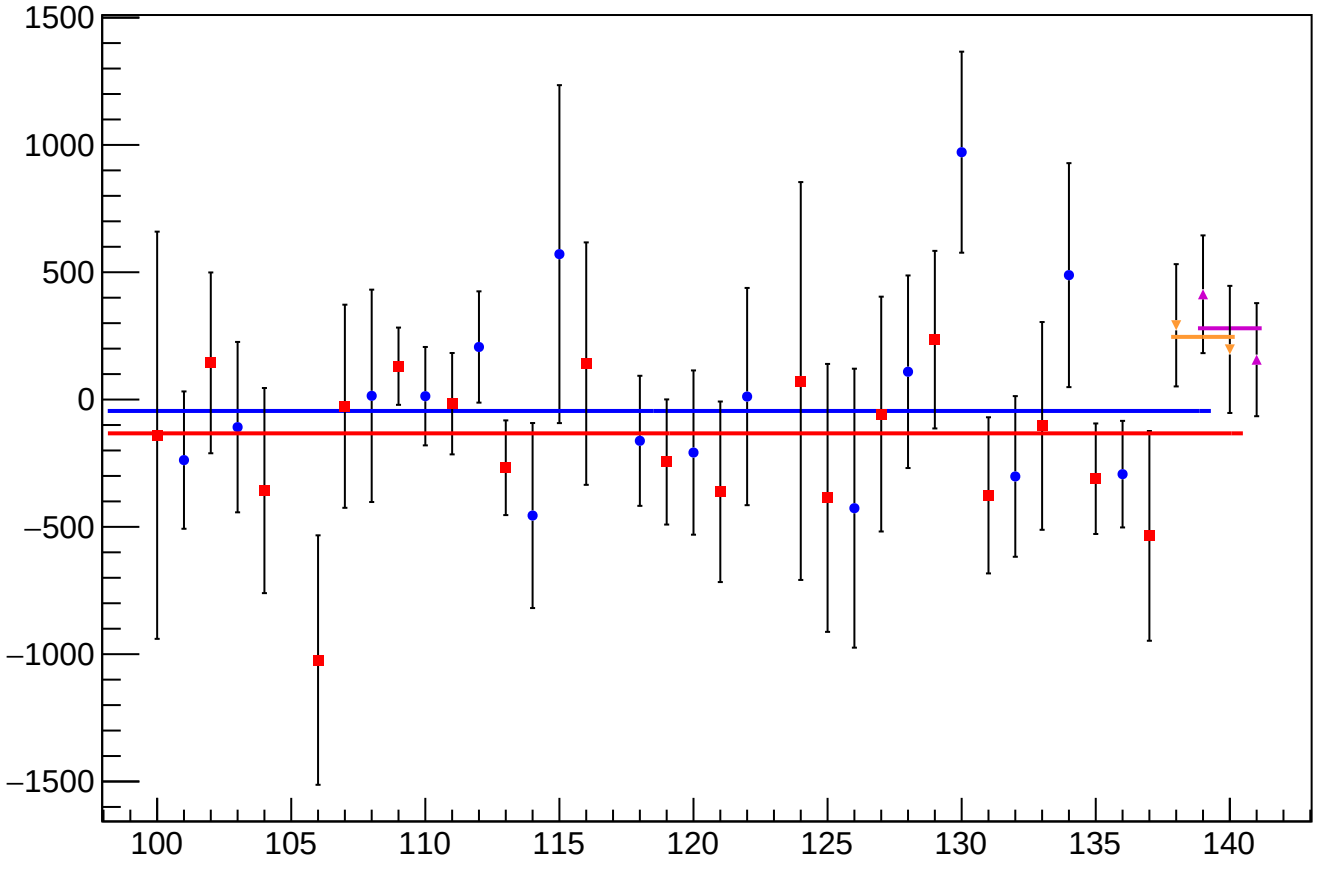
Left: 10.969+/-0.004 χ^2/NDF: 17159.7/3

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 10.961+/-0.003 χ^2/NDF:140615.9/17

Out: 11.106+/-0.003 χ^2/NDF:174926.2/20

All: 11.033+/-0.002 χ^2/NDF: 317057.5/38



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 246.118+/-173.048 χ^2/NDF:0.1/1

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 279.905+/-160.159 χ^2/NDF:0.6/1

Left: 264.316+/-117.542 χ^2/NDF: 0.7/3

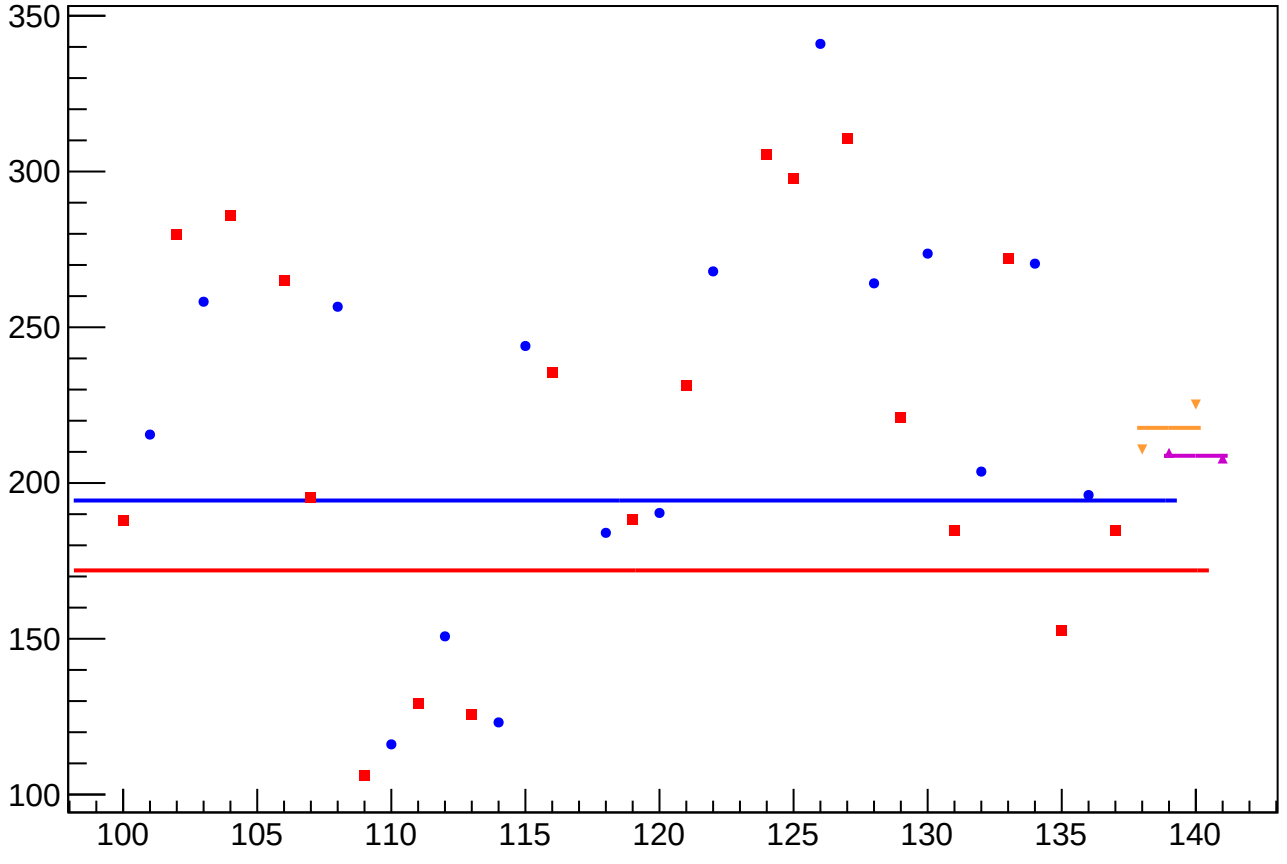
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 15.424+/-68.973 χ^2/NDF:19.4/17

Out: -81.707+/-63.506 χ^2/NDF:17.1/20

All: -37.143+/-46.719 χ^2/NDF: 37.6/38

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 217.710+/-0.122 χ^2/NDF:3465.9/1

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 208.750+/-0.113 χ^2/NDF:65.1/1

Left: 212.884+/-0.083 χ^2/NDF: 6419.4/3

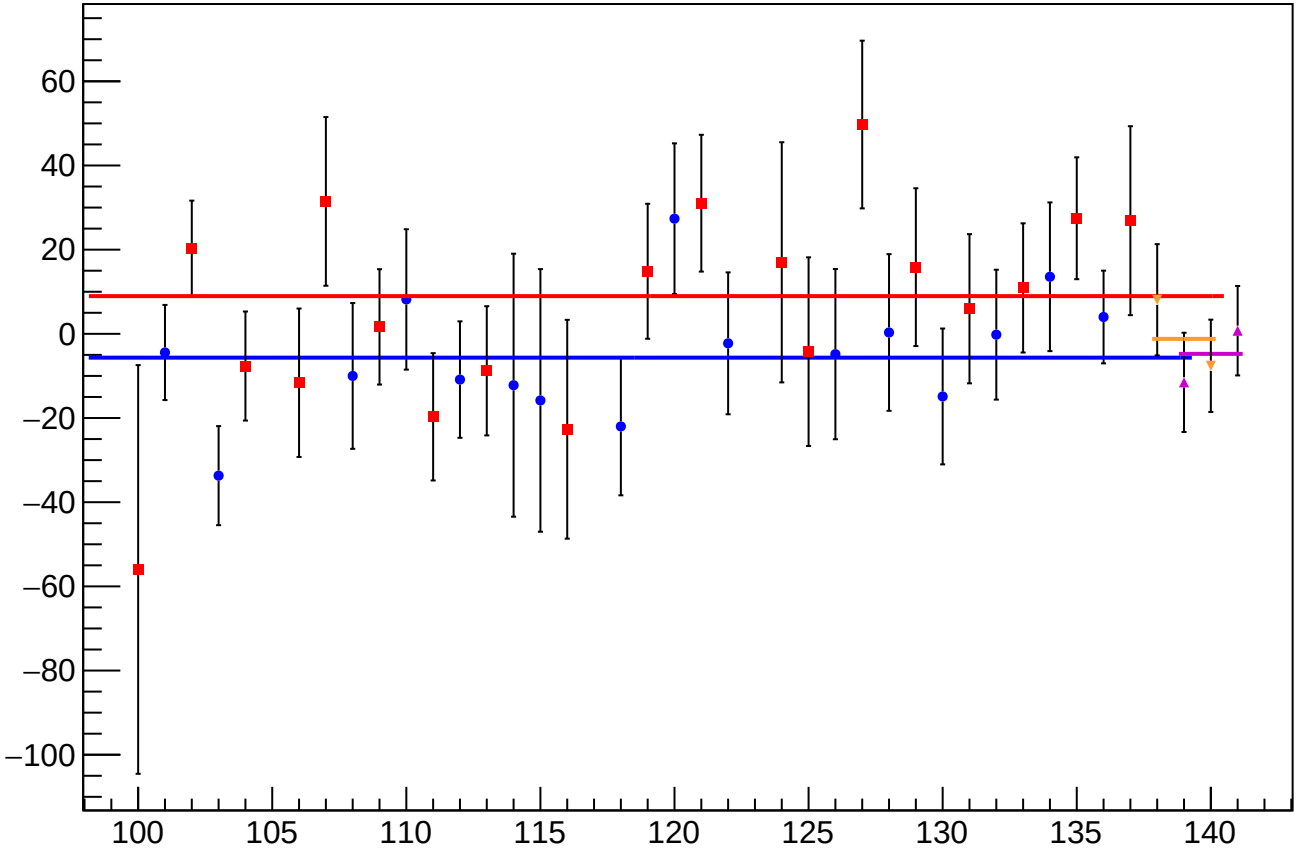
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 197.049+/-0.049 χ^2/NDF:1055194.0/17

Out: 178.112+/-0.045 χ^2/NDF:1775834.6/20

All: 186.800+/-0.033 χ^2/NDF: 2912622.8/38

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.195+/-8.439 χ^2/NDF:0.8/1

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -4.757+/-7.892 χ^2/NDF:0.6/1

Left: -3.095+/-5.764 χ^2/NDF: 1.5/3

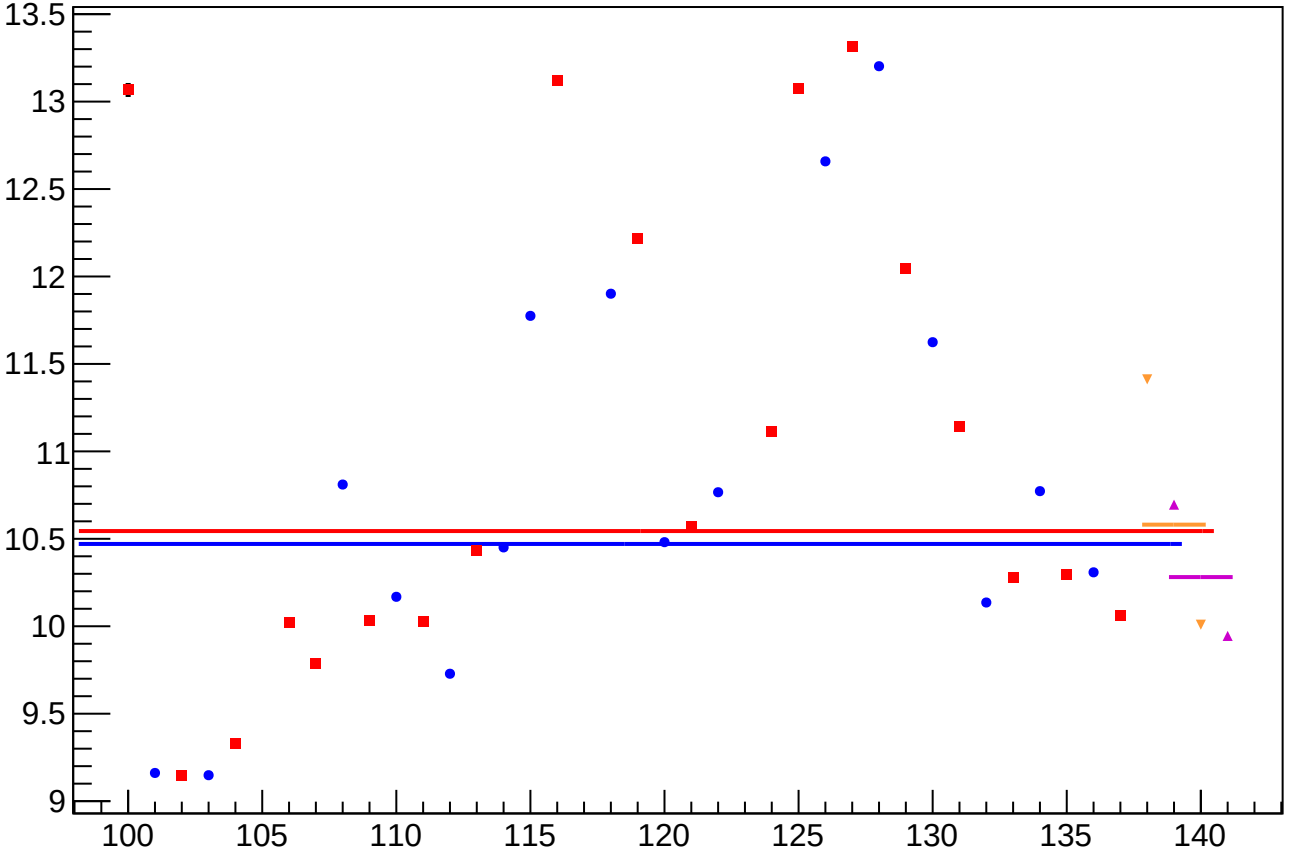
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -5.478+/-3.525 χ^2/NDF:14.3/17

Out: 7.172+/-3.541 χ^2/NDF:24.8/20

All: 0.818+/-2.498 χ^2/NDF: 45.5/38

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.581+/-0.006 χ^2/NDF:13347.0/1

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.281+/-0.006 χ^2/NDF:4473.6/1

Left: 10.421+/-0.004 χ^2/NDF: 19167.0/3

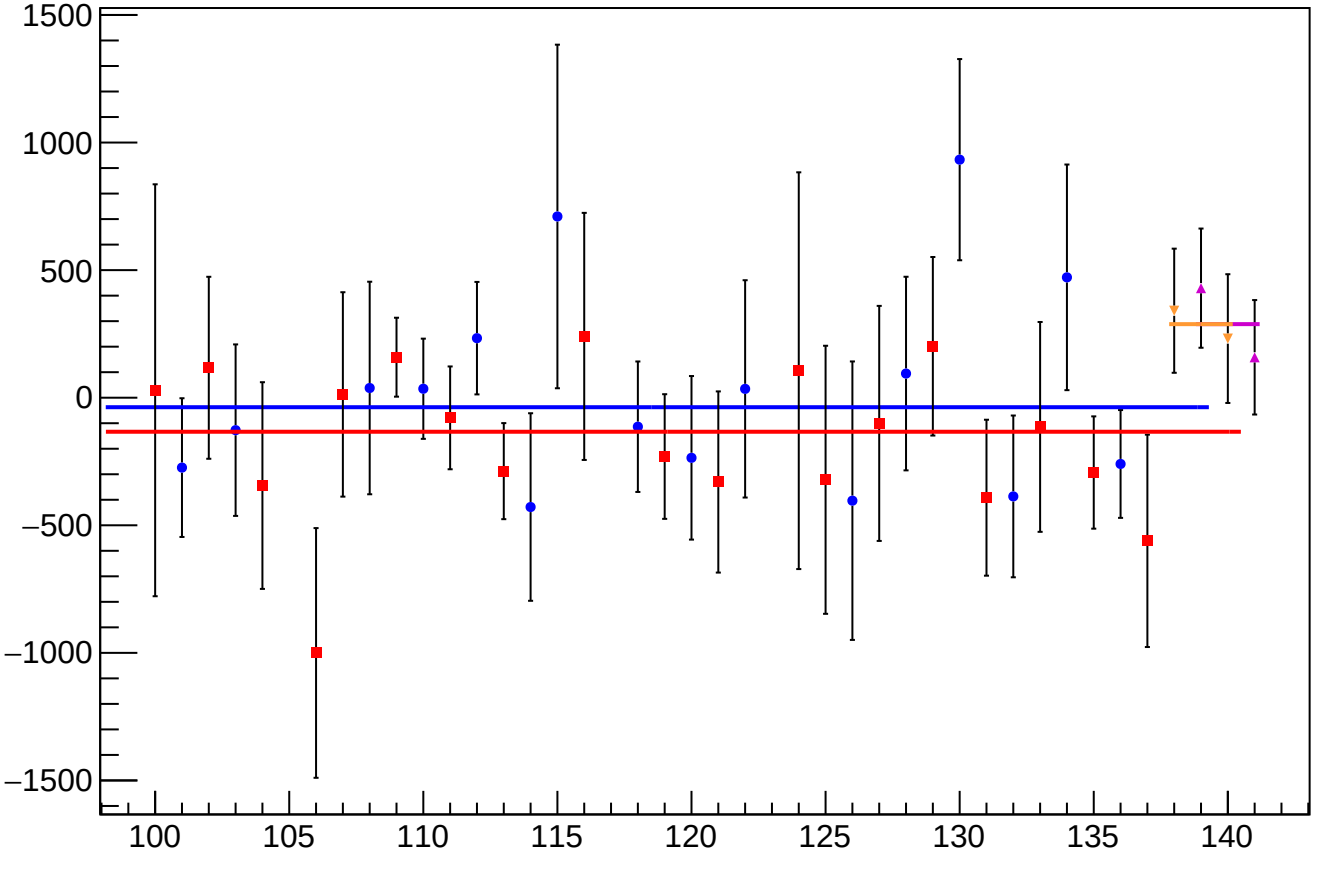
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.433+/-0.002 χ^2/NDF:162761.3/17

Out: 10.551+/-0.003 χ^2/NDF:200158.4/20

All: 10.492+/-0.002 χ^2/NDF: 364035.0/38

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 288.285+/-175.109 χ^2/NDF:0.1/1

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 288.365+/-161.769 χ^2/NDF:0.7/1

Left: 288.328+/-118.824 χ^2/NDF: 0.8/3

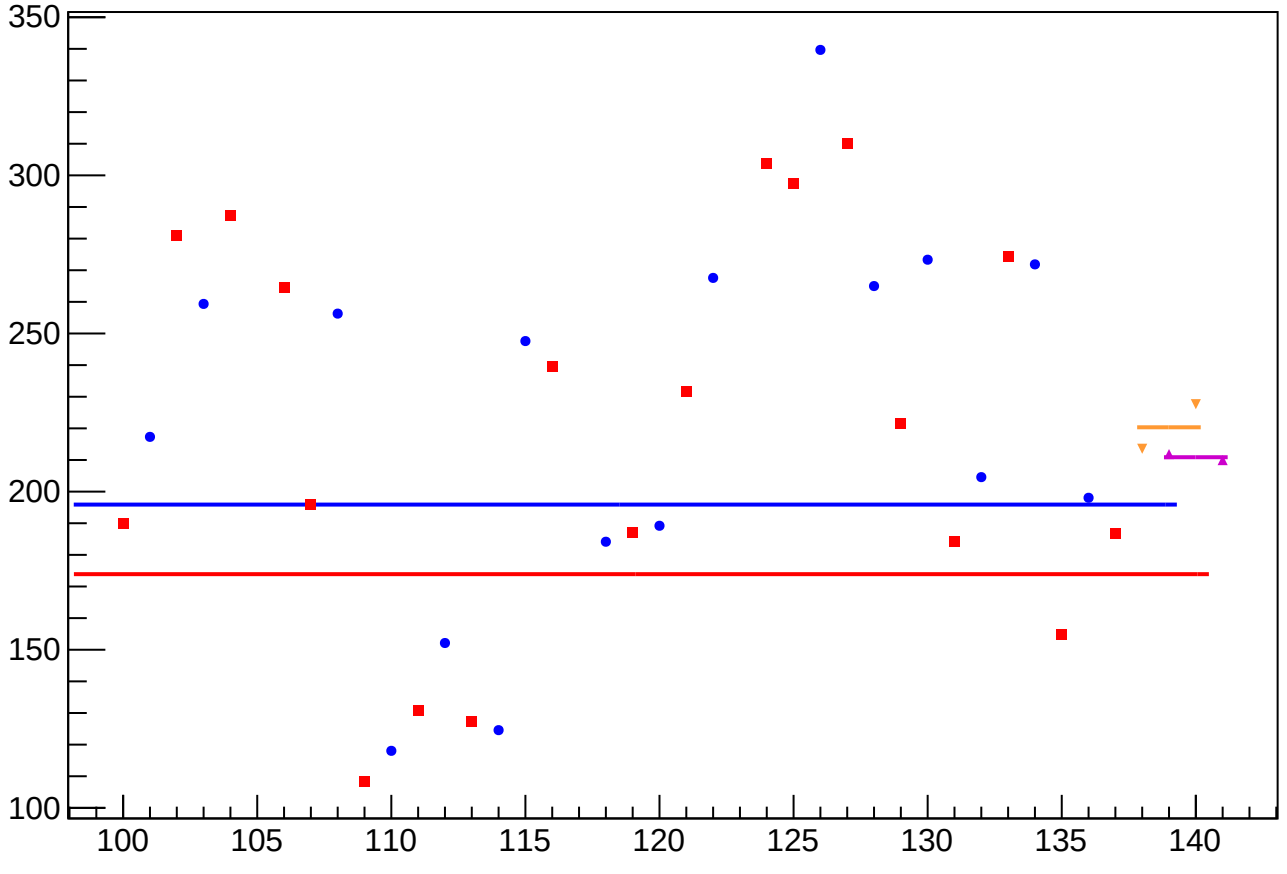
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 22.795+/-69.463 χ^2/NDF:19.7/17

Out: -76.876+/-64.104 χ^2/NDF:18.0/20

All: -31.034+/-47.109 χ^2/NDF: 38.8/38

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 220.339+/-0.124 χ^2/NDF:3231.3/1

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 210.877+/-0.114 χ^2/NDF:69.6/1

Left: 215.234+/-0.084 χ^2/NDF: 6451.4/3

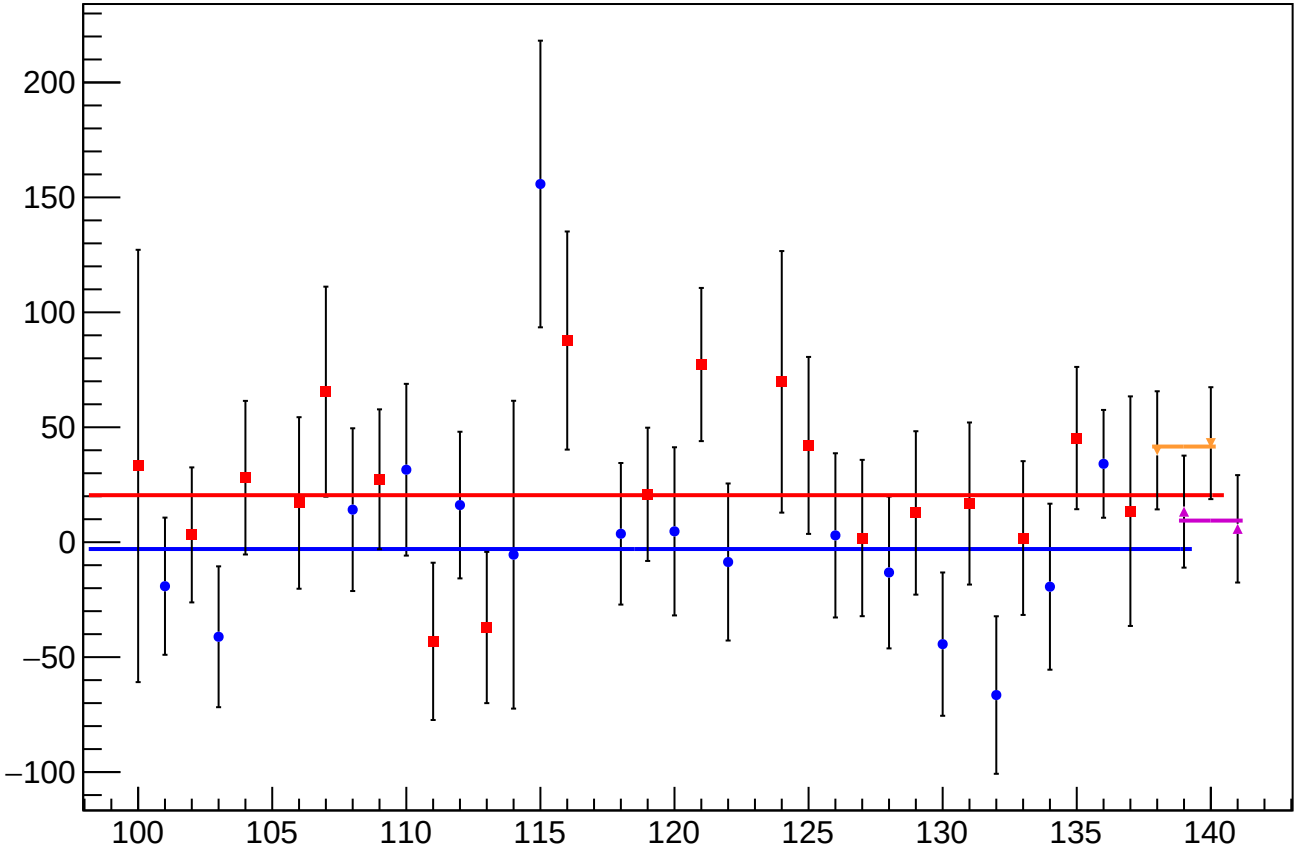
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 198.661+/-0.049 χ^2/NDF:1025064.5/17

Out: 180.125+/-0.045 χ^2/NDF:1724641.5/20

All: 188.650+/-0.033 χ^2/NDF: 2826622.7/38

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 41.613+/-17.672 χ^2/NDF:0.0/1

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 9.404+/-16.865 χ^2/NDF:0.0/1

Left: 24.756+/-12.201 χ^2/NDF: 1.8/3

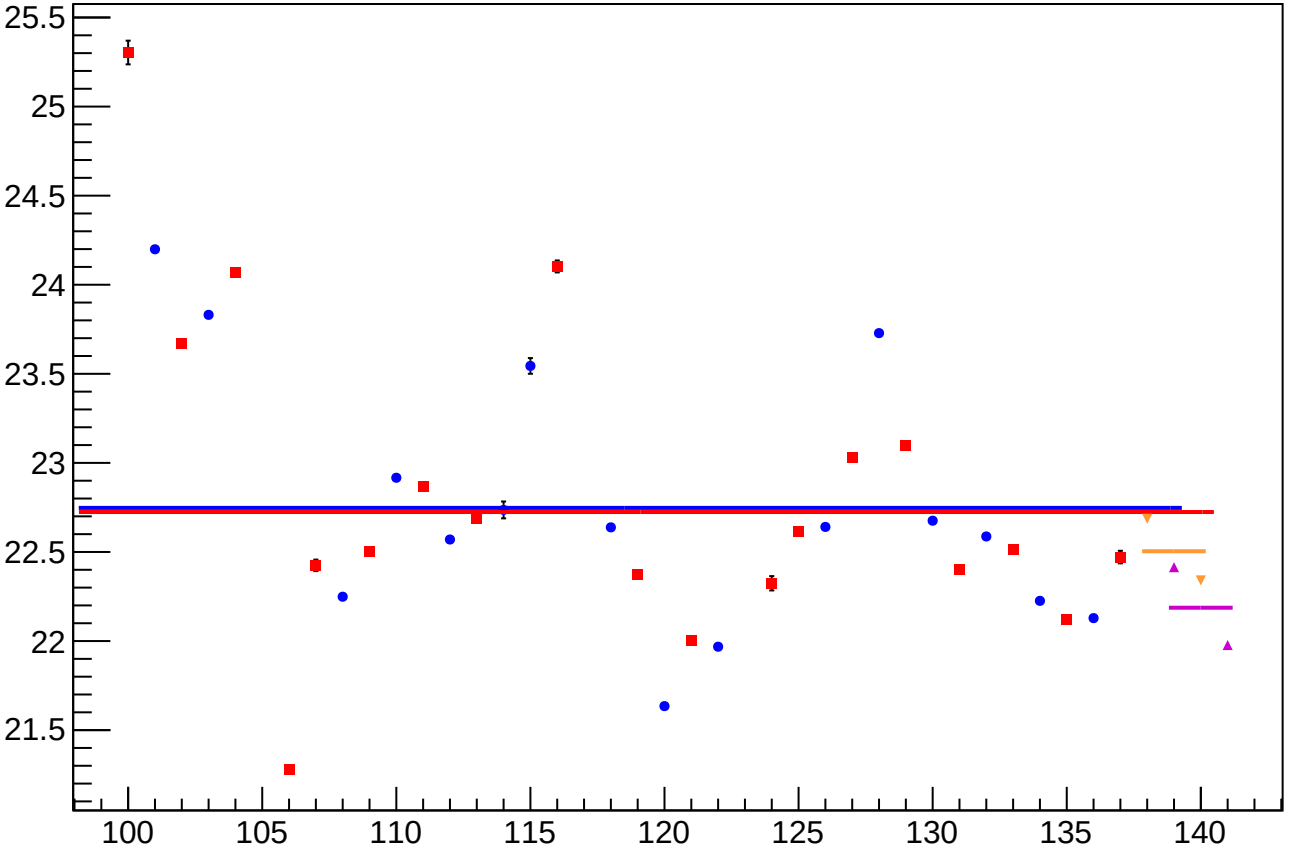
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: -0.483+/-7.558 χ^2/NDF:18.4/17

Out: 24.274+/-7.507 χ^2/NDF:16.5/20

All: 11.980+/-5.326 χ^2/NDF: 40.3/38

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.504+/-0.012 χ^2/NDF:191.1/1

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.187+/-0.012 χ^2/NDF:335.3/1

Left: 22.338+/-0.009 χ^2/NDF: 863.2/3

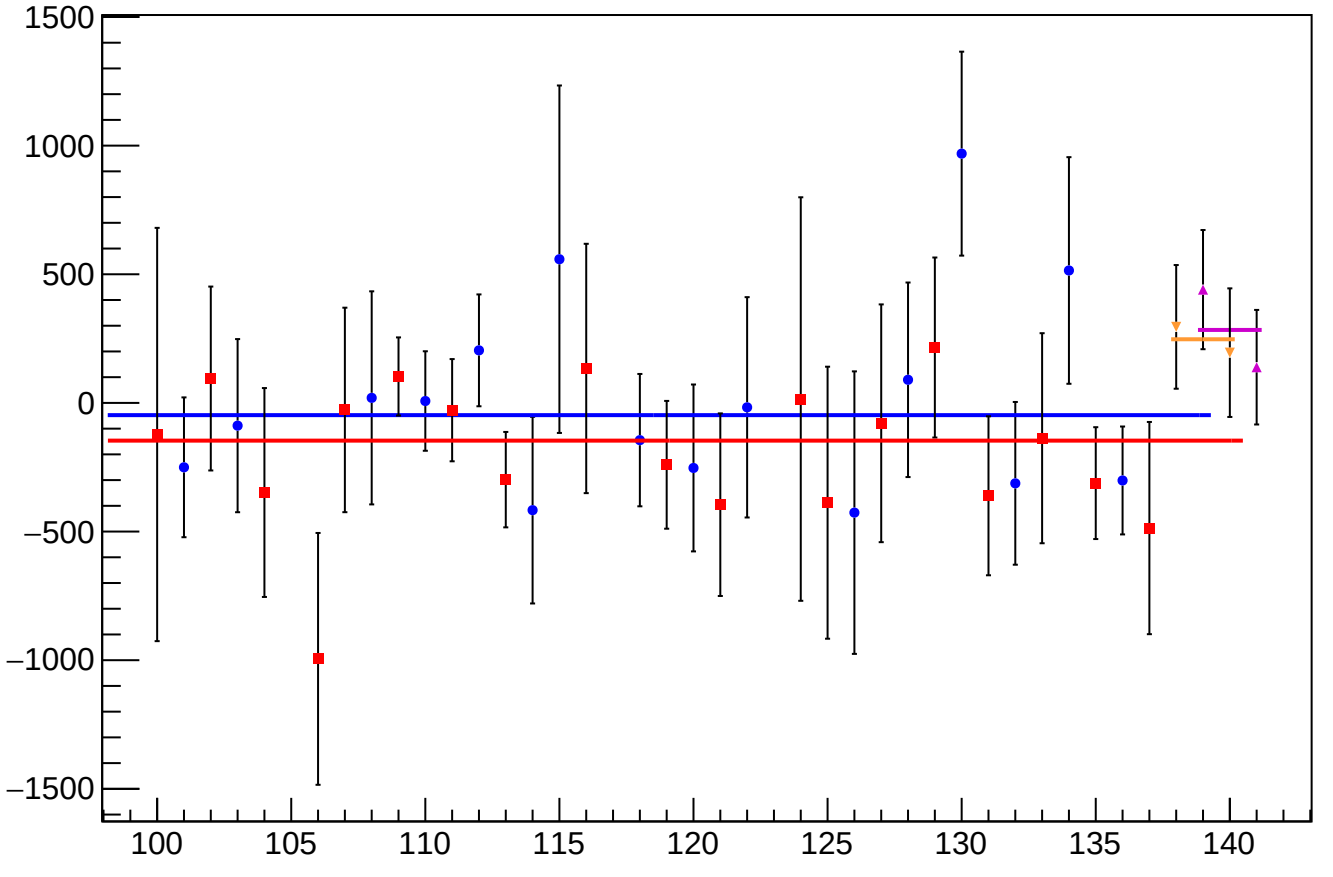
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.635+/-0.005 χ^2/NDF:16722.9/17

Out: 22.685+/-0.005 χ^2/NDF:14936.3/20

All: 22.660+/-0.004 χ^2/NDF: 31702.4/38

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 247.354+/-173.240 χ^2/NDF:0.1/1

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 283.621+/-160.511 χ^2/NDF:0.9/1

Left: 266.869+/-117.741 χ^2/NDF: 1.0/3

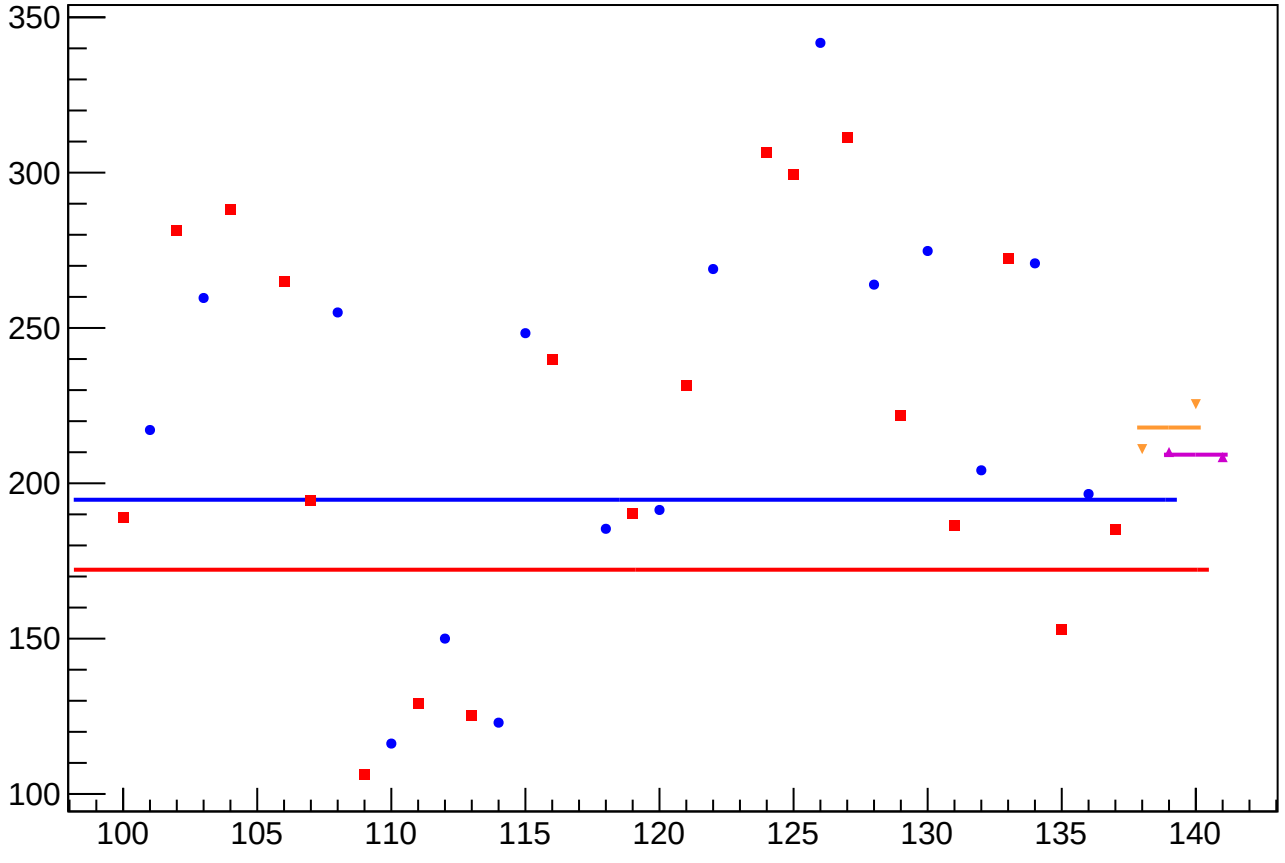
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 13.866+/-69.110 χ^2/NDF:19.7/17

Out: -93.449+/-63.619 χ^2/NDF:16.1/20

All: -44.223+/-46.806 χ^2/NDF: 37.2/38

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 217.955+/-0.122 χ^2/NDF:3480.8/1

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 209.217+/-0.113 χ^2/NDF:52.3/1

Left: 213.253+/-0.083 χ^2/NDF: 6271.3/3

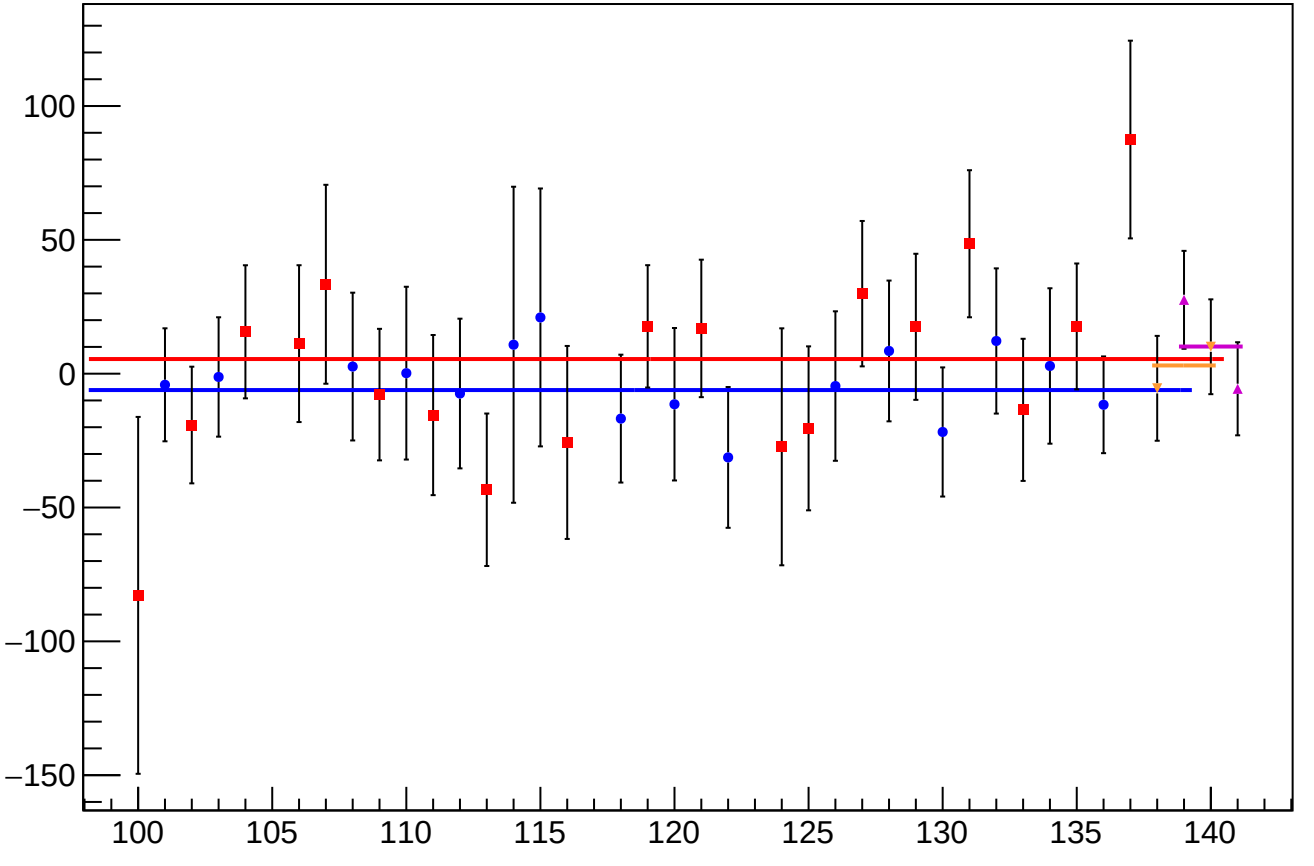
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 197.398+/-0.049 χ^2/NDF:1065653.3/17

Out: 178.358+/-0.045 χ^2/NDF:1795322.9/20

All: 187.092+/-0.033 χ^2/NDF: 2943140.8/38

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 3.074+/-13.139 χ^2/NDF:0.3/1

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 10.143+/-12.602 χ^2/NDF:1.7/1

Left: 6.756+/-9.095 χ^2/NDF: 2.2/3

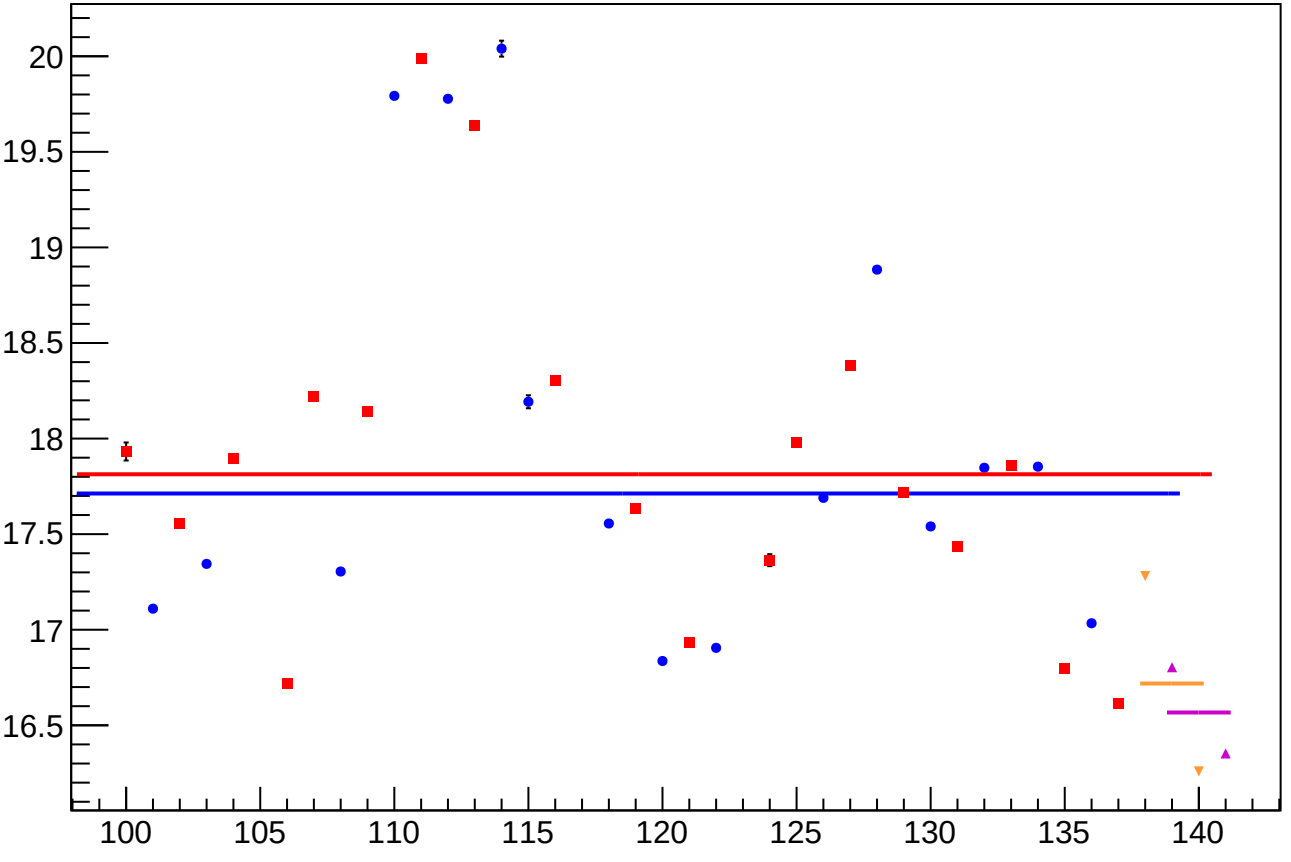
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -2.625+/-5.841 χ^2/NDF:6.2/17

Out: 4.998+/-5.832 χ^2/NDF:19.6/20

All: 1.192+/-4.127 χ^2/NDF: 26.6/38

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.719+/-0.009 χ^2/NDF:2994.4/1

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.567+/-0.009 χ^2/NDF:638.7/1

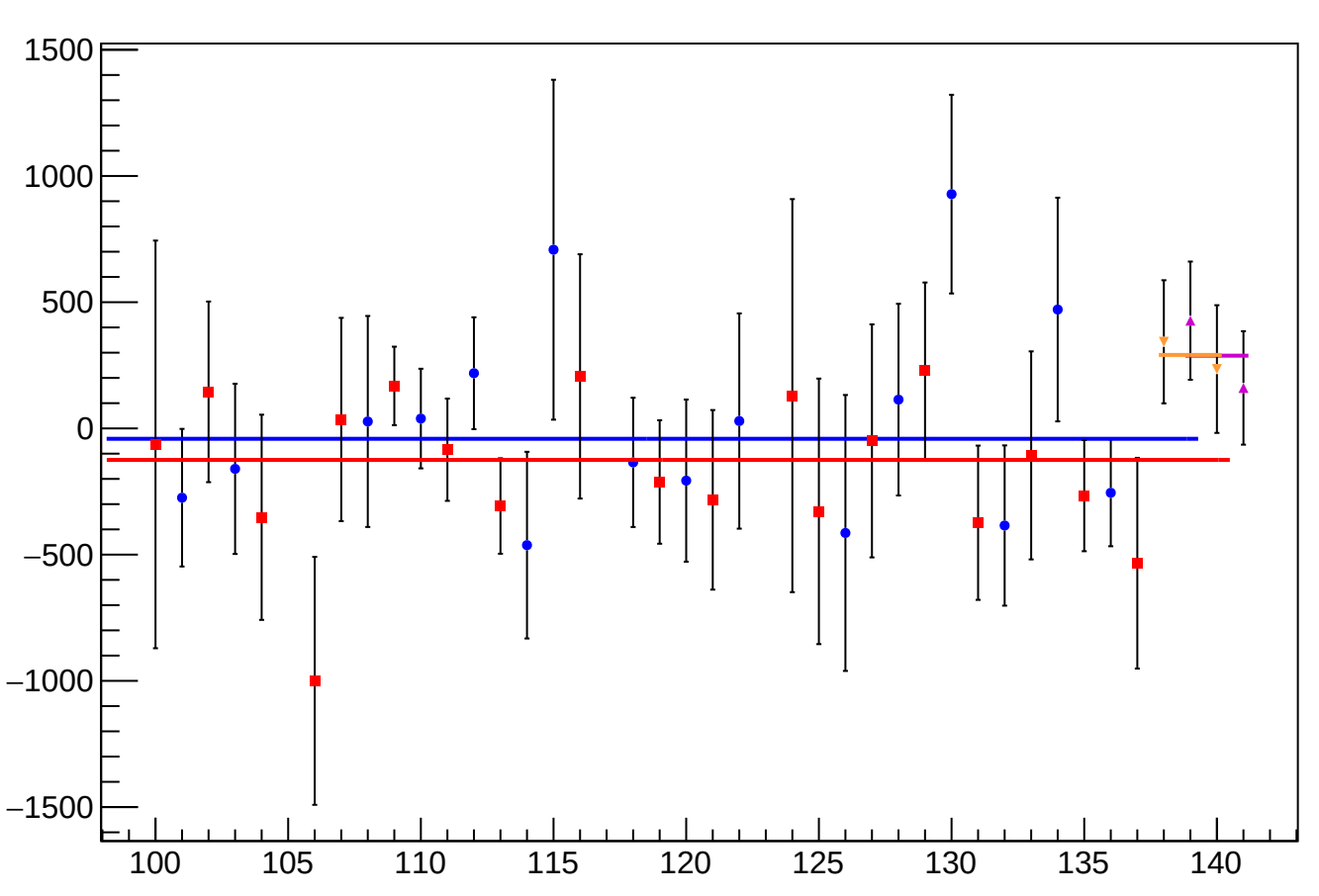
Left: 16.640+/-0.006 χ^2/NDF: 3771.6/3

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.467+/-0.004 χ^2/NDF:49598.9/17

Out: 17.598+/-0.004 χ^2/NDF:46856.2/20

All: 17.532+/-0.003 χ^2/NDF: 96959.0/38



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 291.092+/-175.574 χ^2/NDF:0.1/1

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 288.142+/-162.116 χ^2/NDF:0.7/1

Left: 289.500+/-119.107 χ^2/NDF: 0.8/3

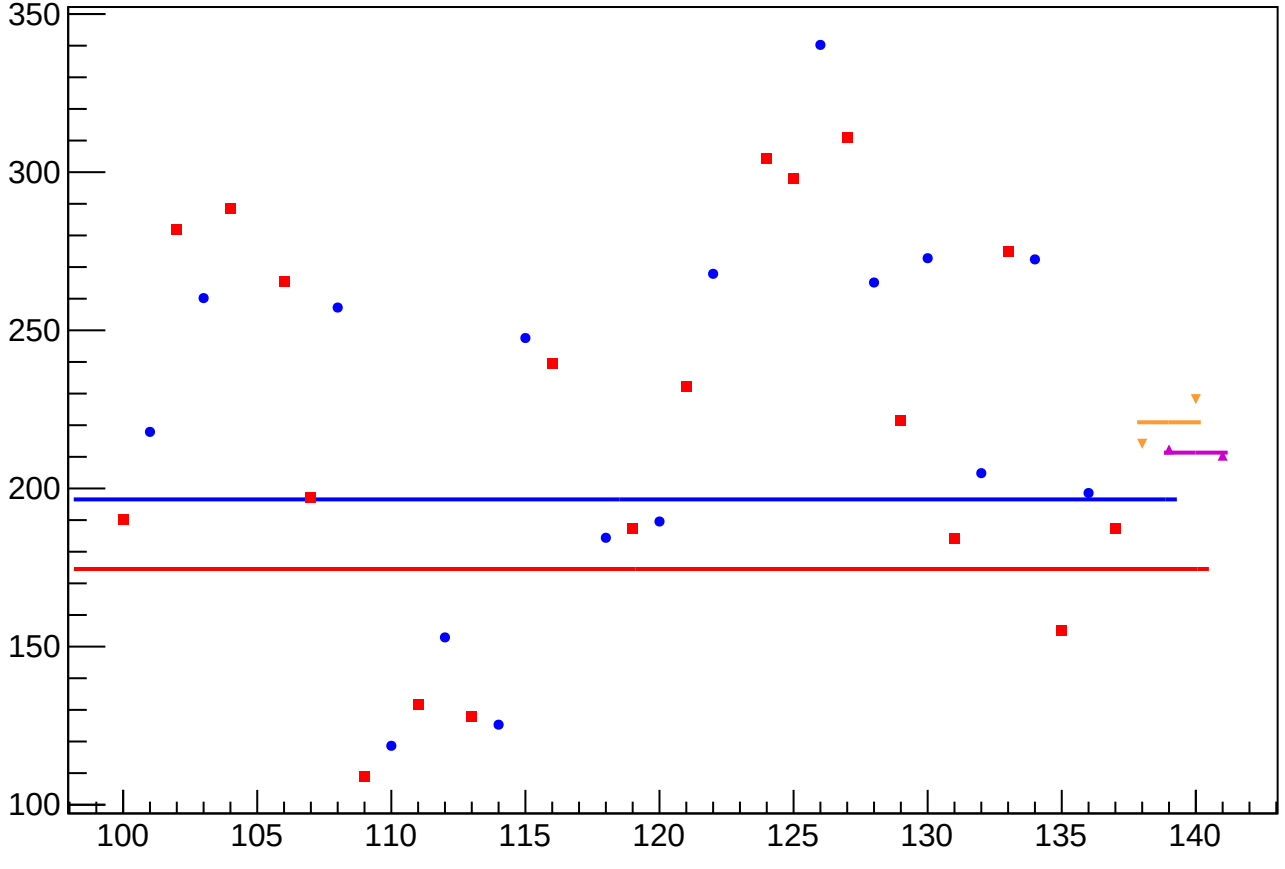
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 19.671+/-69.656 χ^2/NDF:19.7/17

Out: -69.071+/-64.306 χ^2/NDF:17.8/20

All: -28.238+/-47.249 χ^2/NDF: 38.4/38

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 220.922+/-0.124 χ^2/NDF:3220.8/1

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 211.330+/-0.115 χ^2/NDF:73.6/1

Left: 215.744+/-0.084 χ^2/NDF: 6516.6/3

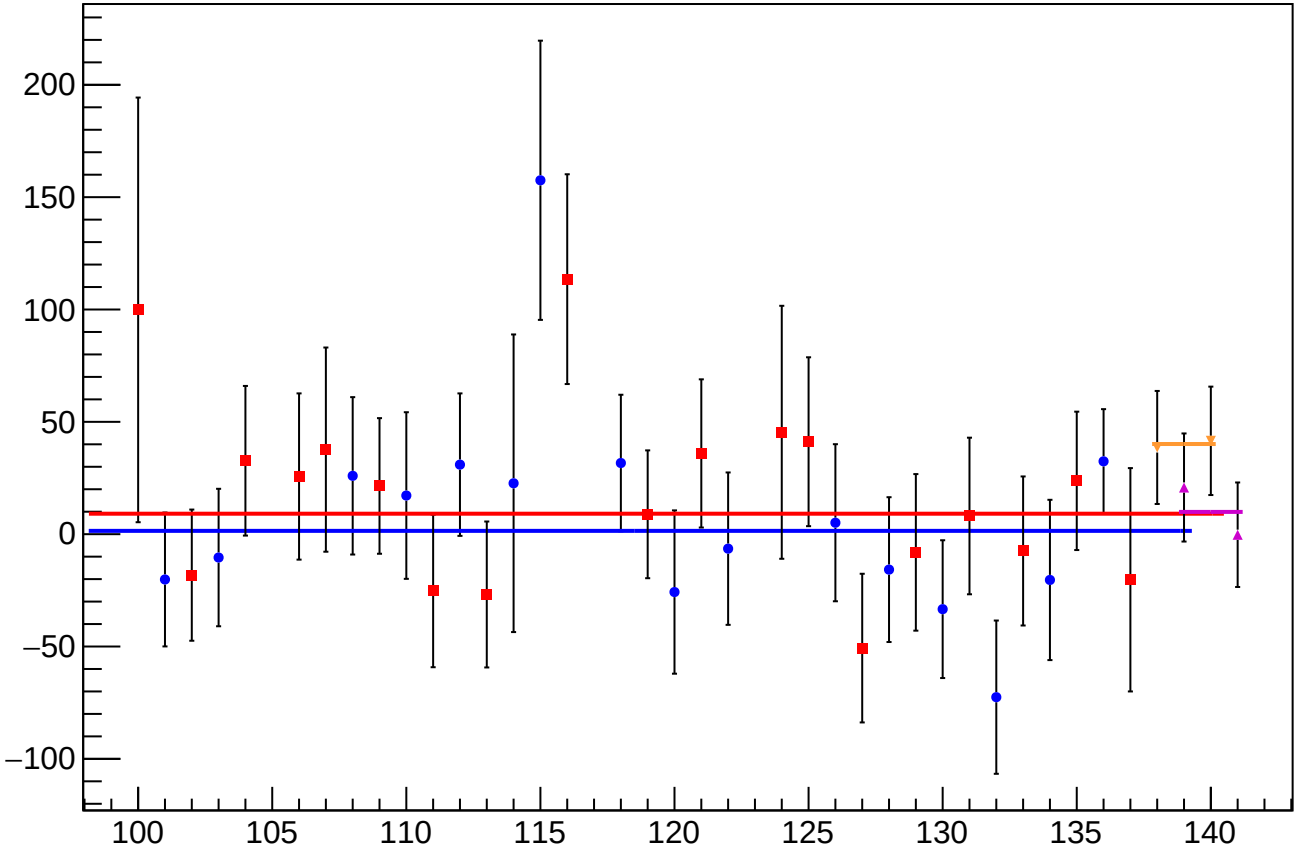
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 199.272+/-0.049 χ^2/NDF:1014412.6/17

Out: 180.762+/-0.045 χ^2/NDF:1712796.7/20

All: 189.279+/-0.033 χ^2/NDF: 2803457.0/38

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 40.133+/-17.412 χ^2/NDF:0.0/1

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 9.911+/-16.721 χ^2/NDF:0.4/1

Left: 24.411+/-12.060 χ^2/NDF: 2.0/3

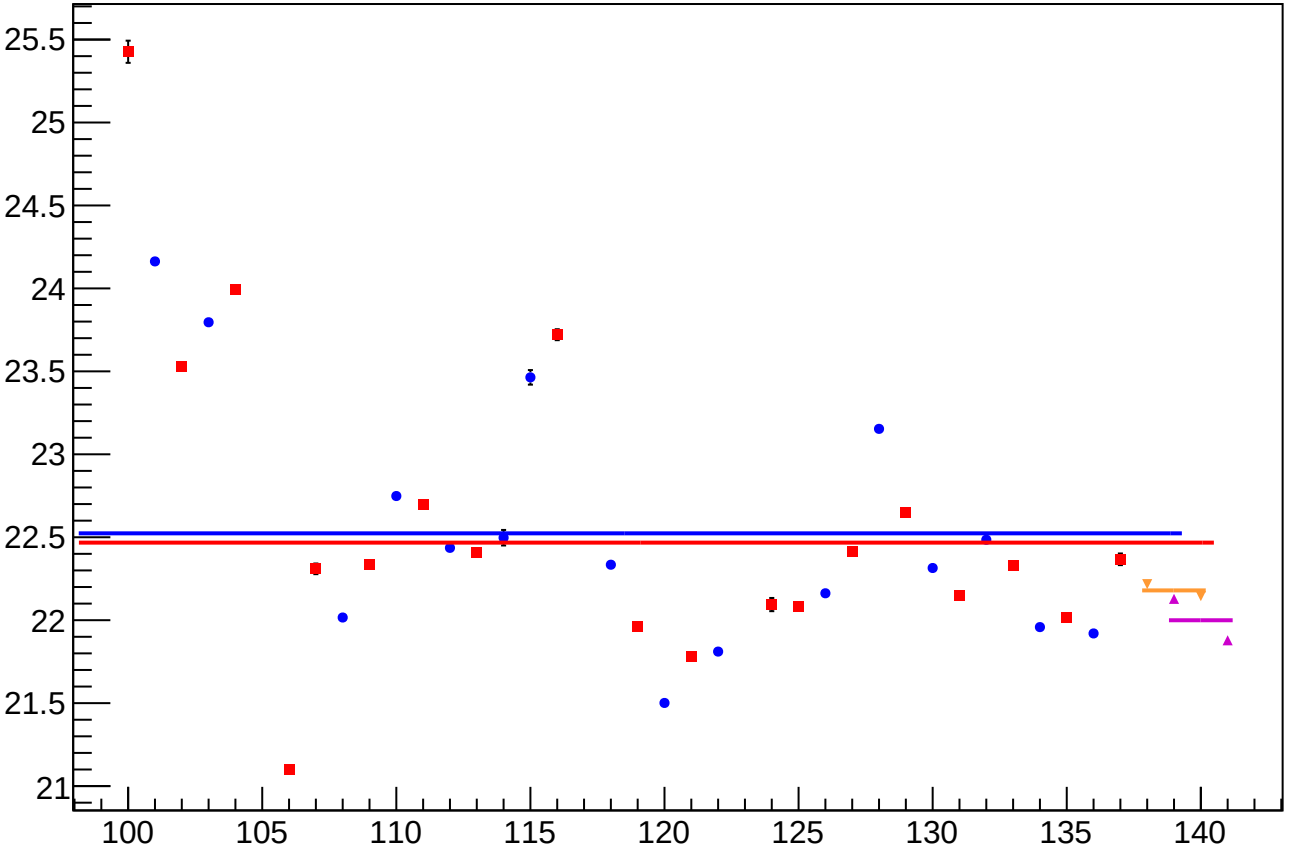
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 3.166+/-7.485 χ^2/NDF:19.3/17

Out: 14.742+/-7.417 χ^2/NDF:19.1/20

All: 9.007+/-5.268 χ^2/NDF: 39.5/38

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.180+/-0.012 χ^2/NDF:8.6/1

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.000+/-0.012 χ^2/NDF:111.4/1

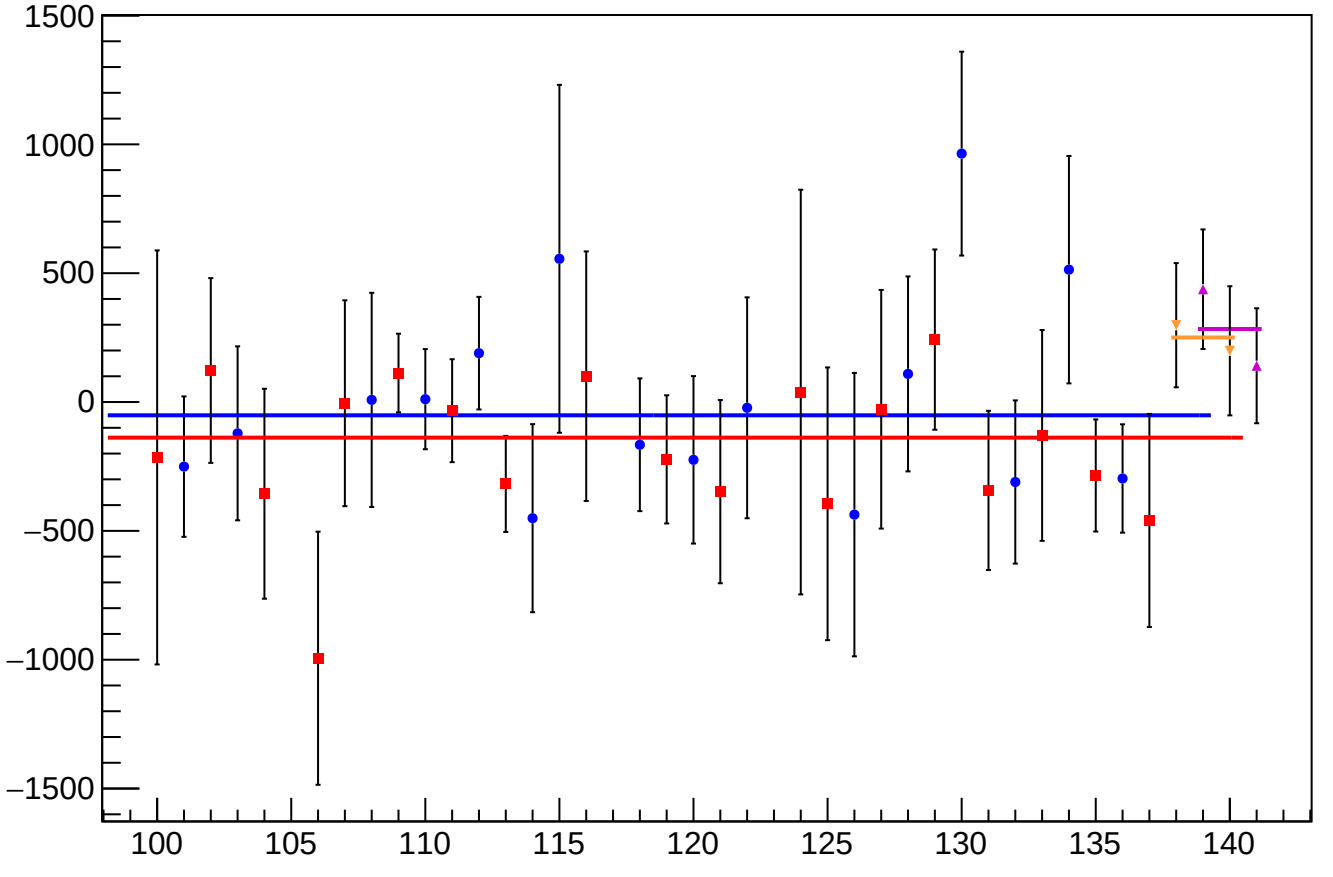
Left: 22.086+/-0.009 χ^2/NDF: 231.2/3

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.419+/-0.005 χ^2/NDF:17629.5/17

Out: 22.415+/-0.005 χ^2/NDF:16083.0/20

All: 22.417+/-0.004 χ^2/NDF: 33712.7/38



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 250.473+/-173.705 χ^2/NDF:0.1/1

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 283.409+/-160.860 χ^2/NDF:0.9/1

Left: 268.204+/-118.025 χ^2/NDF: 1.0/3

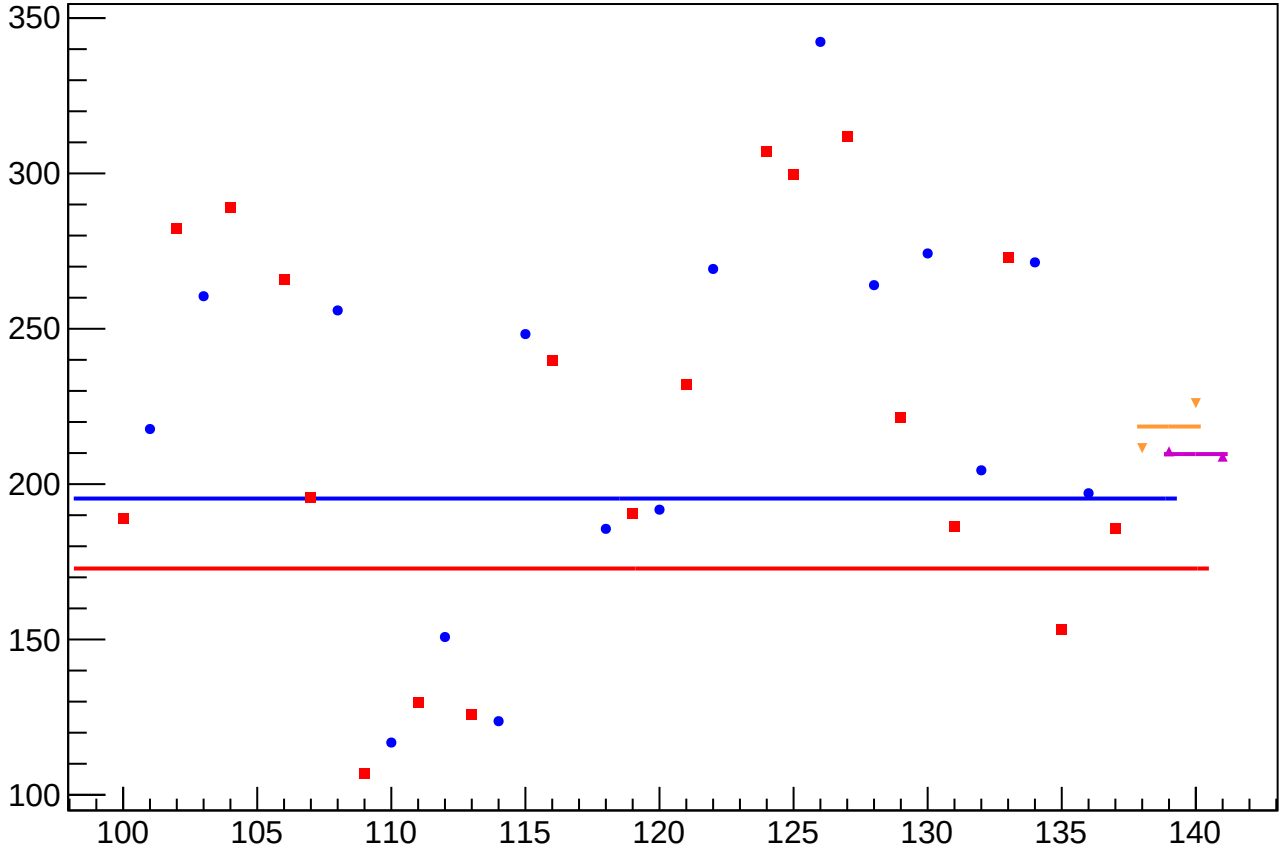
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 10.673+/-69.305 χ^2/NDF:19.7/17

Out: -85.713+/-63.824 χ^2/NDF:16.0/20

All: -41.481+/-46.949 χ^2/NDF: 36.8/38

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 218.539+/-0.123 χ^2/NDF:3466.9/1

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 209.674+/-0.114 χ^2/NDF:56.0/1

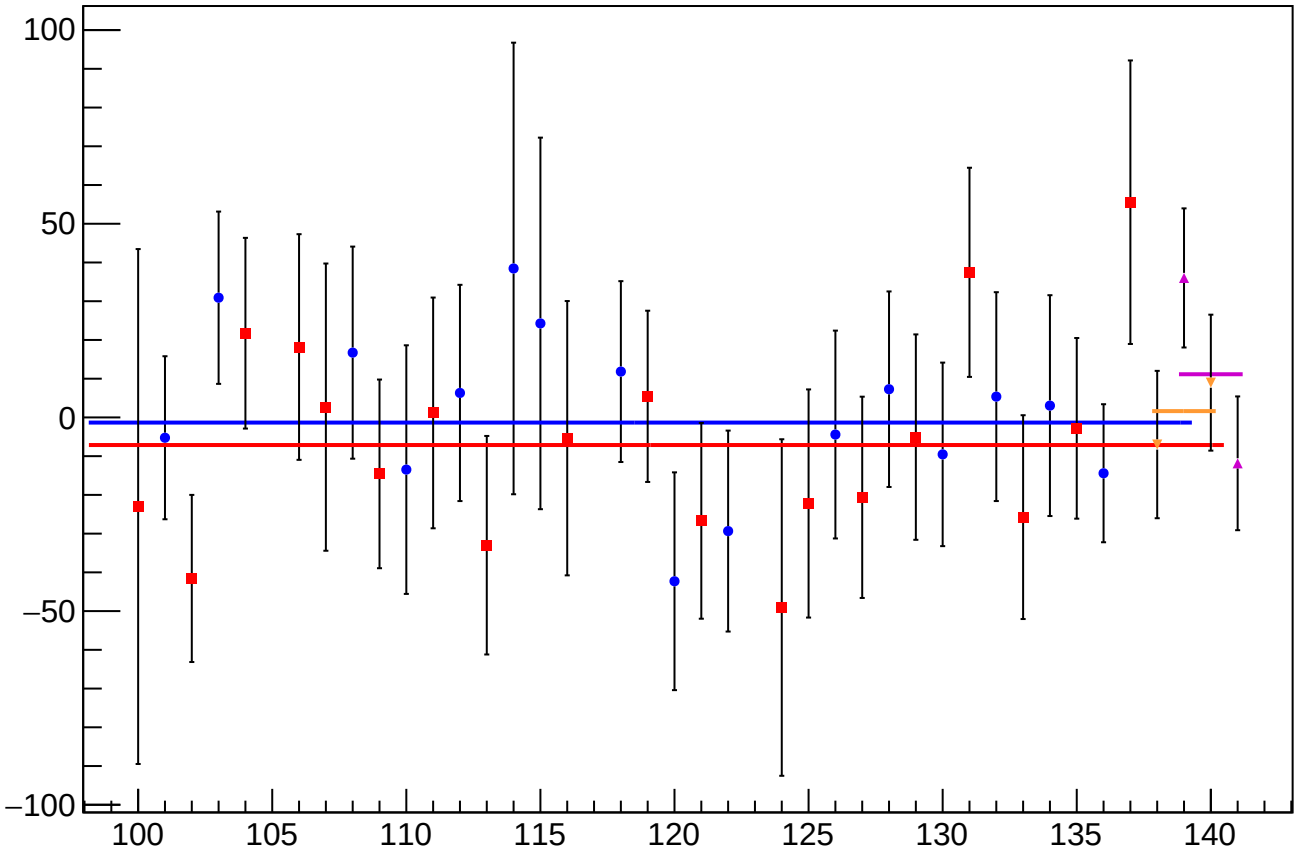
Left: 213.767+/-0.083 χ^2/NDF: 6327.7/3

Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 198.018+/-0.049 χ^2/NDF:1054382.3/17

Out: 179.007+/-0.045 χ^2/NDF:1782653.4/20

All: 187.731+/-0.033 χ^2/NDF: 2918463.4/38



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.629+/-12.899 χ^2/NDF:0.4/1

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 11.147+/-12.447 χ^2/NDF:3.7/1

Left: 6.558+/-8.957 χ^2/NDF: 4.4/3

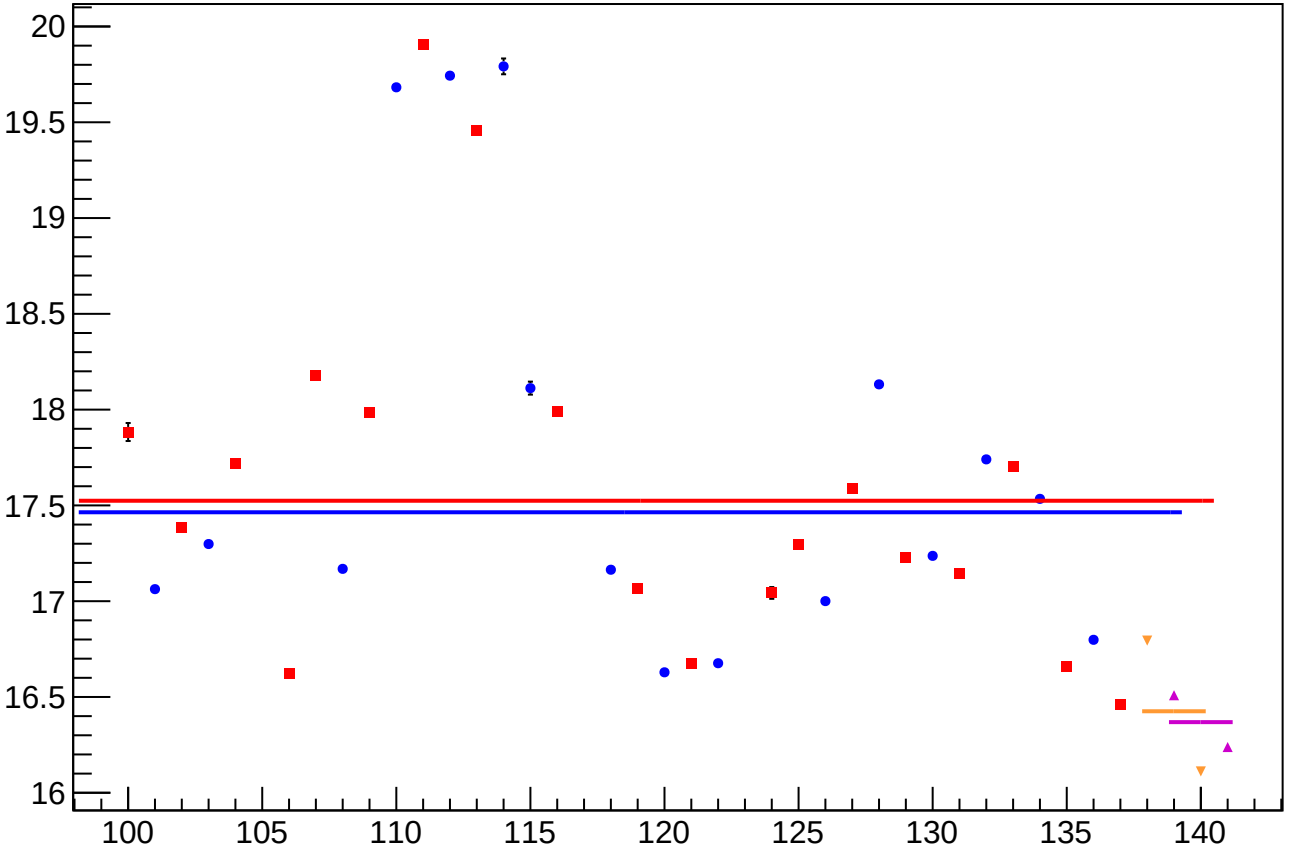
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 1.342+/-5.761 χ^2/NDF:12.5/17

Out: -5.396+/-5.735 χ^2/NDF:15.2/20

All: -2.042+/-4.064 χ^2/NDF: 28.3/38

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.425+/-0.009 χ^2/NDF:1392.4/1

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.369+/-0.009 χ^2/NDF:235.5/1

Left: 16.396+/-0.006 χ^2/NDF: 1647.9/3

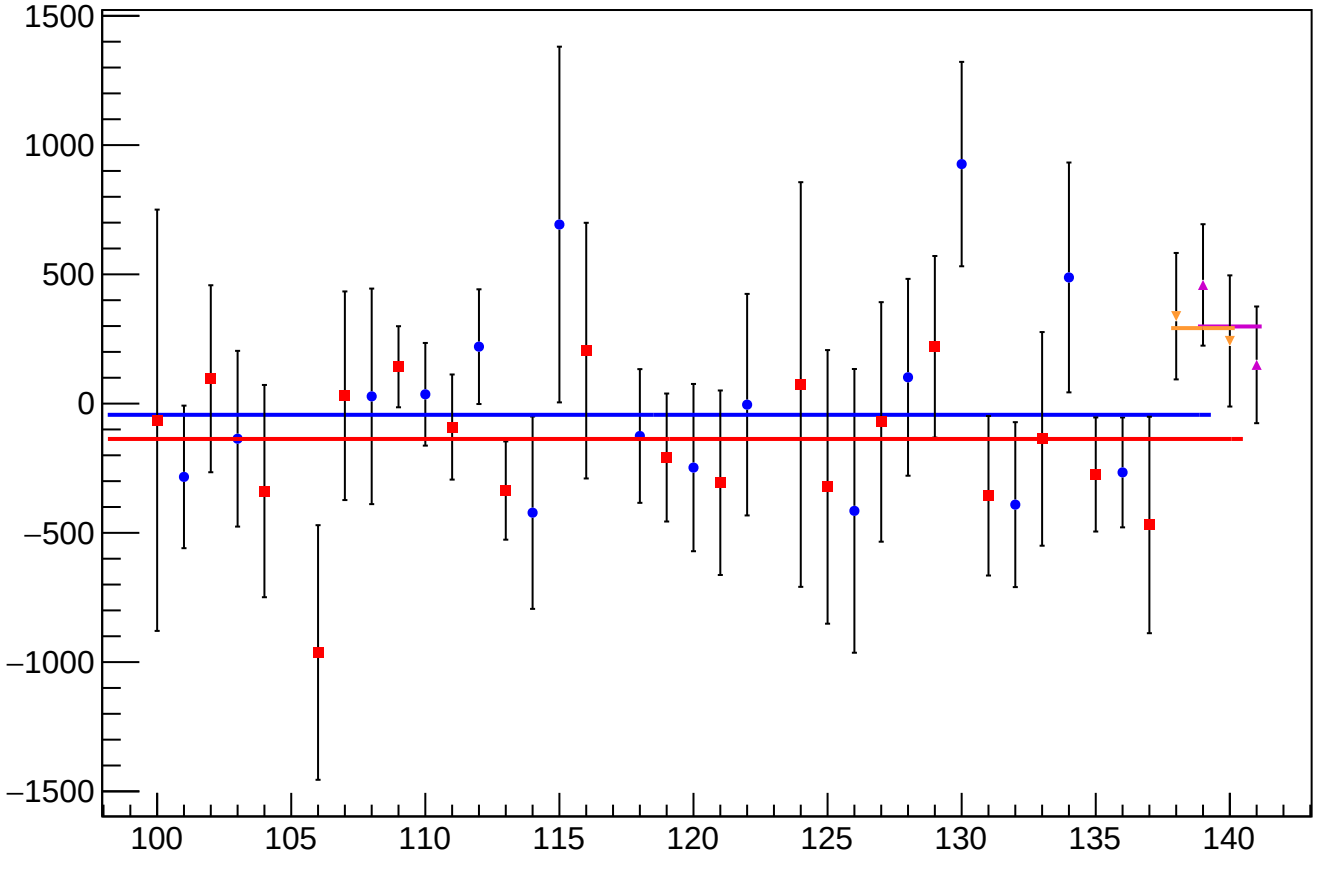
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 17.230+/-0.004 χ^2/NDF:49059.1/17

Out: 17.307+/-0.004 χ^2/NDF:47764.8/20

All: 17.269+/-0.003 χ^2/NDF: 97006.3/38

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 292.026+/-176.090 χ^2/NDF:0.1/1

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 298.354+/-162.753 χ^2/NDF:0.9/1

Left: 295.438+/-119.521 χ^2/NDF: 1.0/3

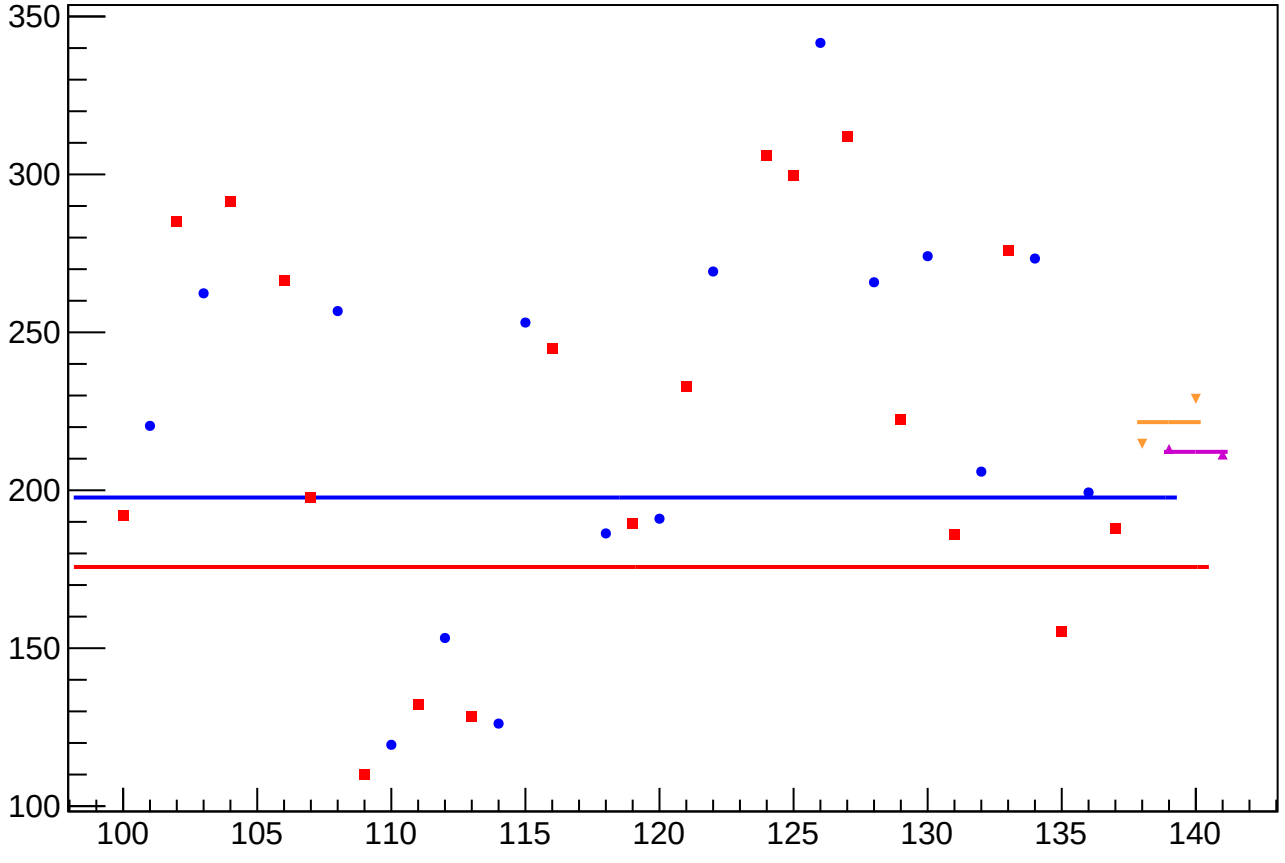
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 19.894+/-70.034 χ^2/NDF:19.9/17

Out: -78.902+/-64.693 χ^2/NDF:16.7/20

All: -33.415+/-47.521 χ^2/NDF: 37.8/38

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 221.576+/-0.125 χ^2/NDF:3257.7/1

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 212.169+/-0.115 χ^2/NDF:57.7/1

Left: 216.503+/-0.085 χ^2/NDF: 6393.6/3

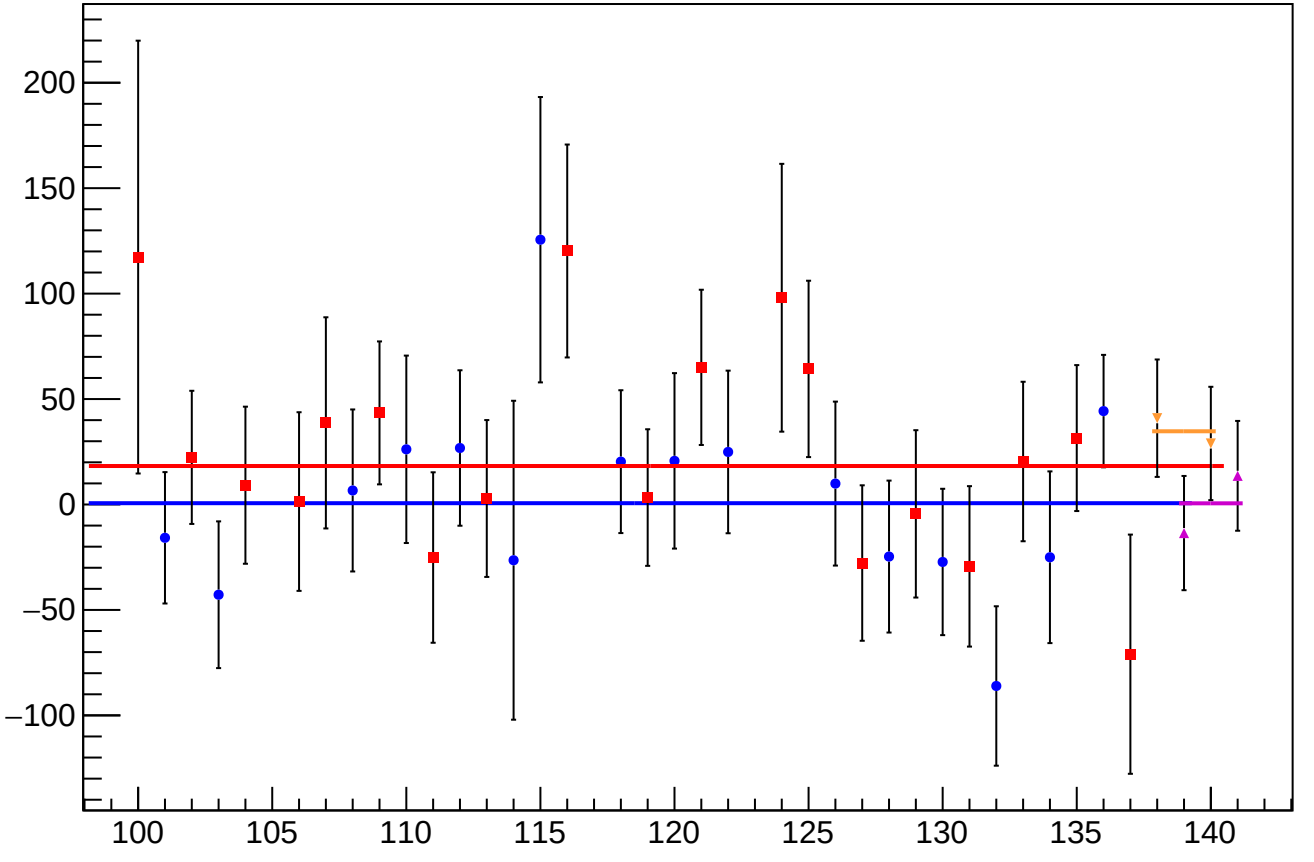
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 200.385+/-0.050 χ^2/NDF:1013248.8/17

Out: 181.905+/-0.046 χ^2/NDF:1711161.8/20

All: 190.414+/-0.034 χ^2/NDF: 2799548.7/38

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 34.719+/-19.334 χ^2/NDF:0.1/1

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 0.557+/-18.770 χ^2/NDF:0.5/1

Left: 17.133+/-13.467 χ^2/NDF: 2.2/3

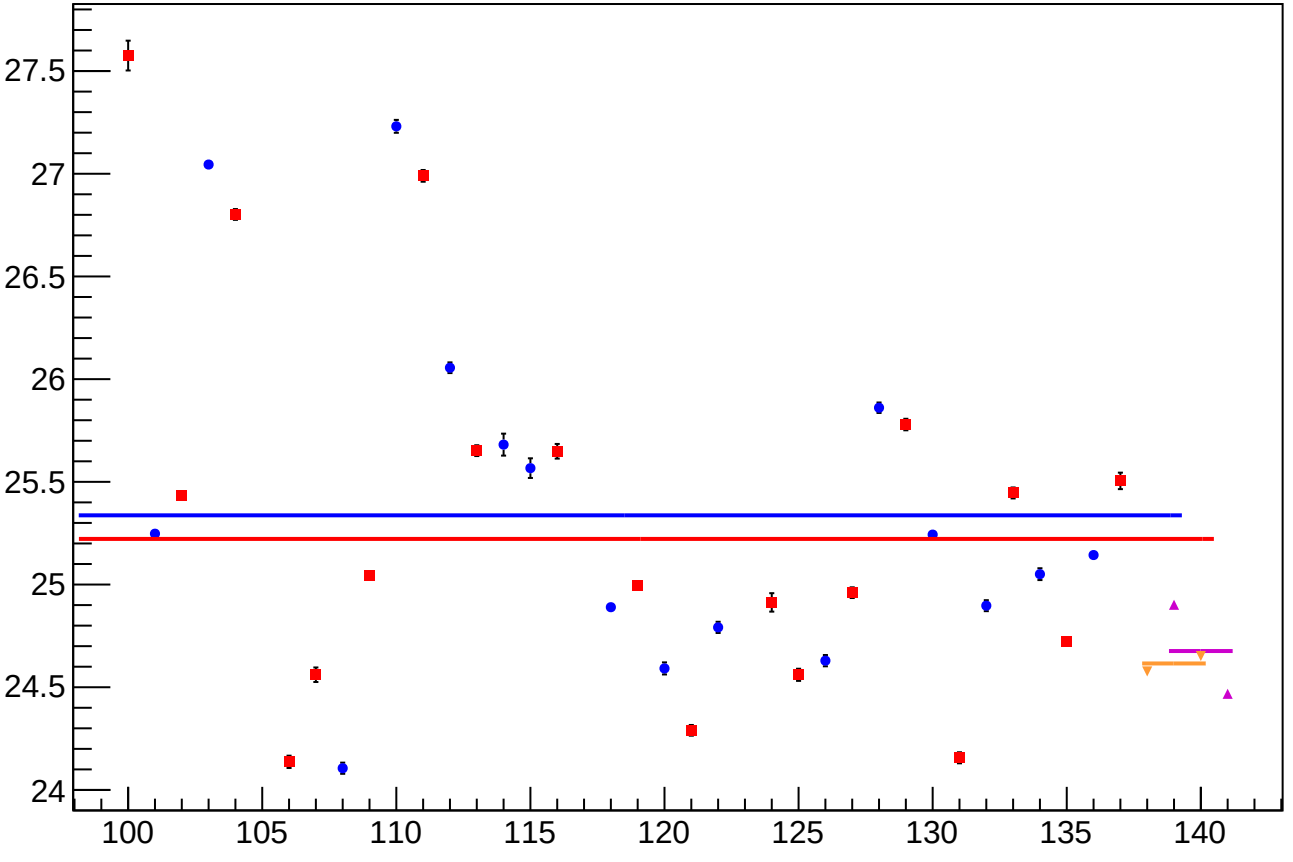
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 0.607+/-8.420 χ^2/NDF:17.3/17

Out: 21.294+/-8.314 χ^2/NDF:18.7/20

All: 11.082+/-5.916 χ^2/NDF: 39.0/38

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 24.616+/-0.014 χ^2/NDF:7.5/1

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.676+/-0.013 χ^2/NDF:266.3/1

Left: 24.647+/-0.010 χ^2/NDF: 283.9/3

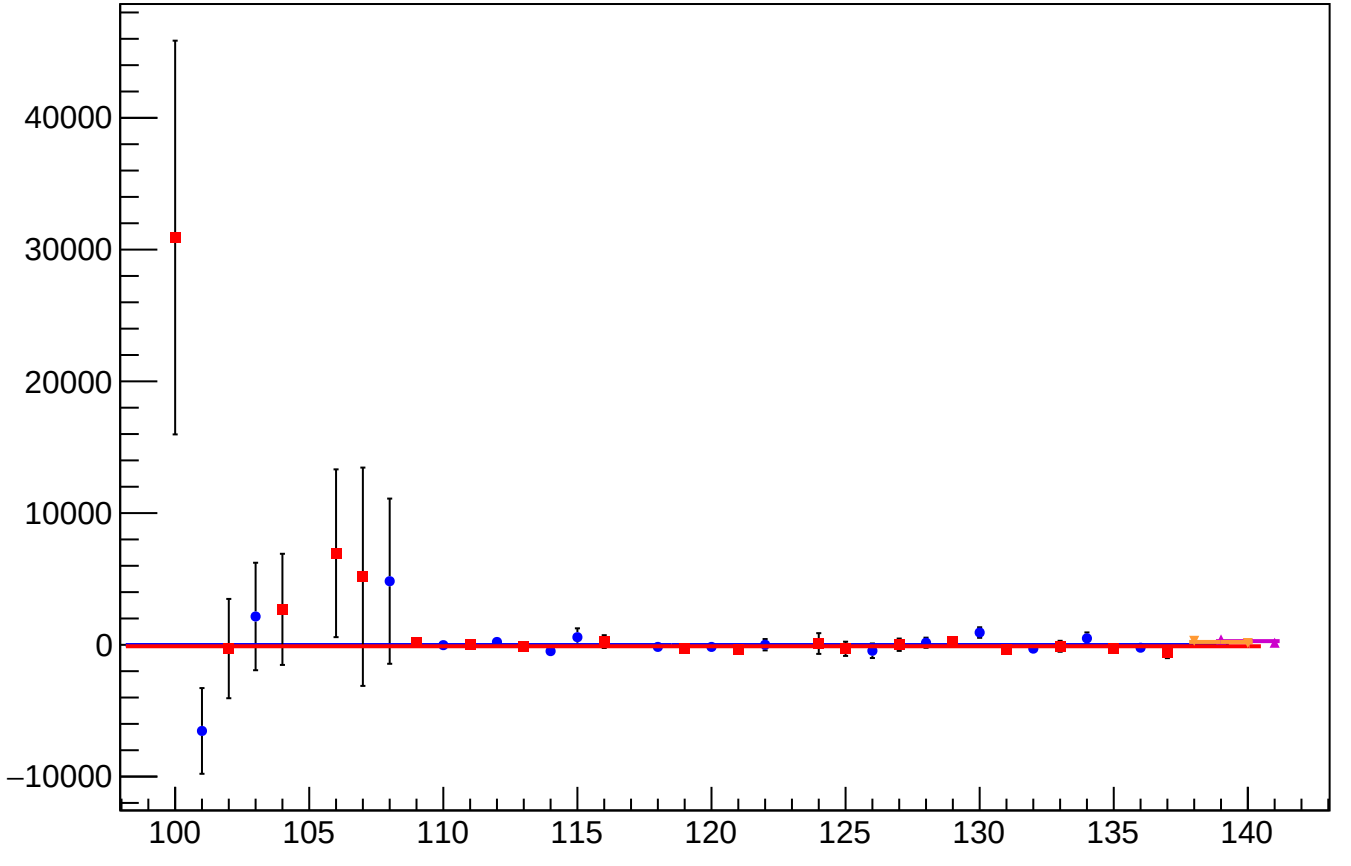
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.204+/-0.006 χ^2/NDF:16560.6/17

Out: 25.110+/-0.006 χ^2/NDF:16835.6/20

All: 25.156+/-0.004 χ^2/NDF: 33522.4/38

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 220.062+/-172.131 χ^2/NDF:0.2/1

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 282.019+/-159.884 χ^2/NDF:0.6/1

Left: 253.323+/-117.145 χ^2/NDF: 0.9/3

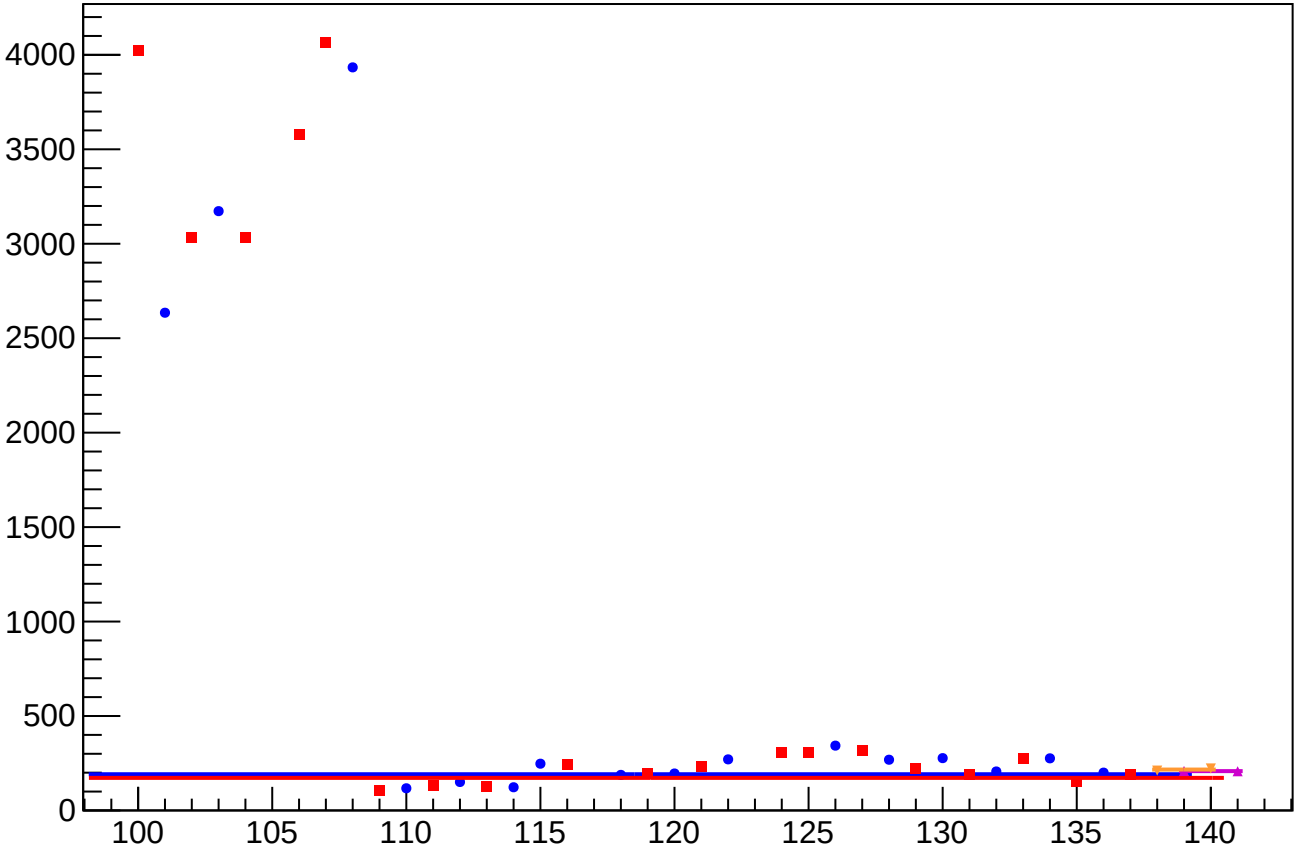
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 49.740+/-74.847 χ^2/NDF:21.6/17

Out: -52.679+/-71.121 χ^2/NDF:17.3/20

All: -4.082+/-51.557 χ^2/NDF: 39.9/38

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 216.492+/-0.122 χ^2/NDF:2198.6/1

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 208.243+/-0.113 χ^2/NDF:37.7/1

Left: 212.064+/-0.083 χ^2/NDF: 4701.8/3

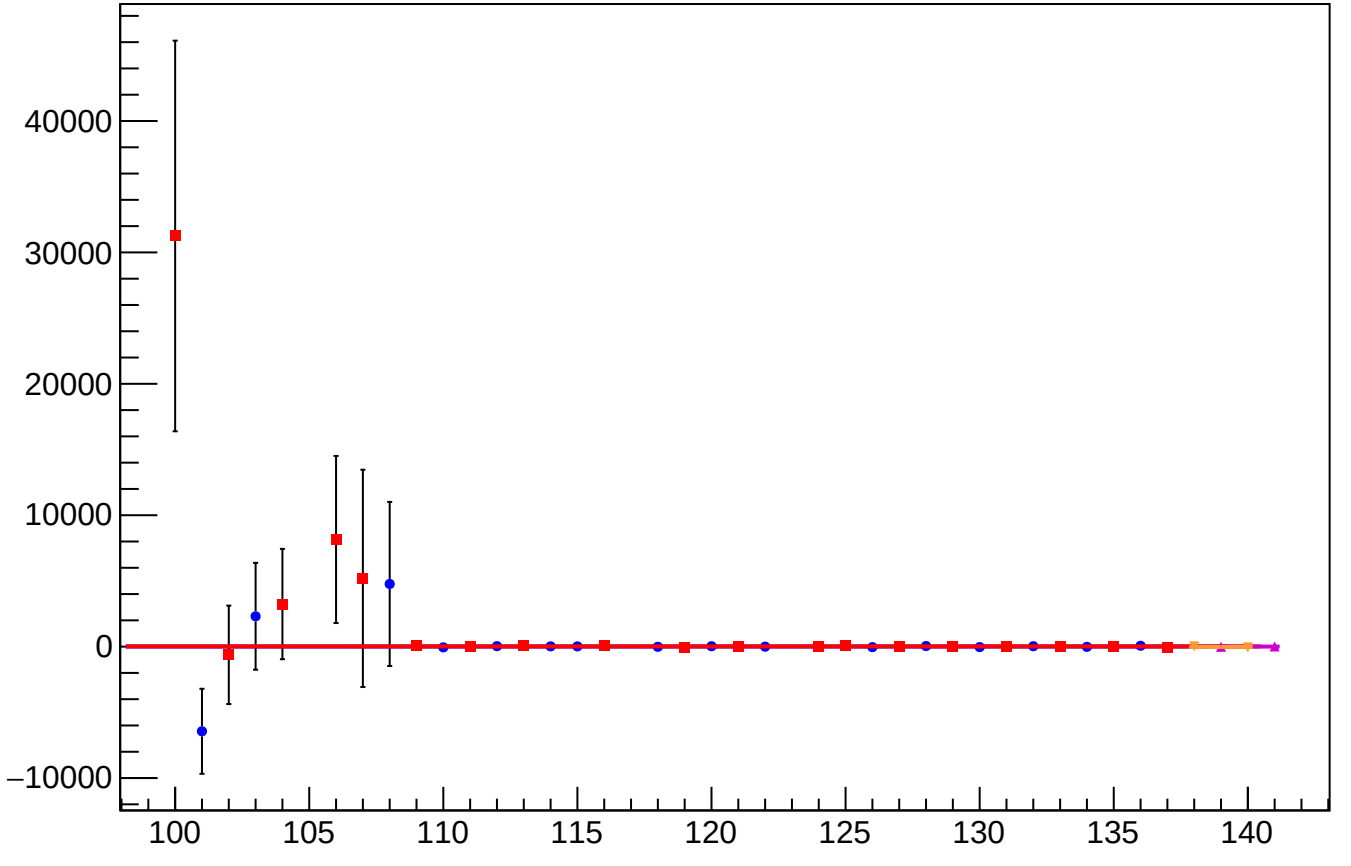
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 195.353+/-0.053 χ^2/NDF:3838490.2/17

Out: 179.979+/-0.050 χ^2/NDF:4413846.8/20

All: 187.274+/-0.036 χ^2/NDF: 8296684.2/38

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -21.535+/-22.135 χ^2/NDF:3.3/1

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 4.630+/-21.012 χ^2/NDF:0.4/1

Left: -7.771+/-15.239 χ^2/NDF: 4.4/3

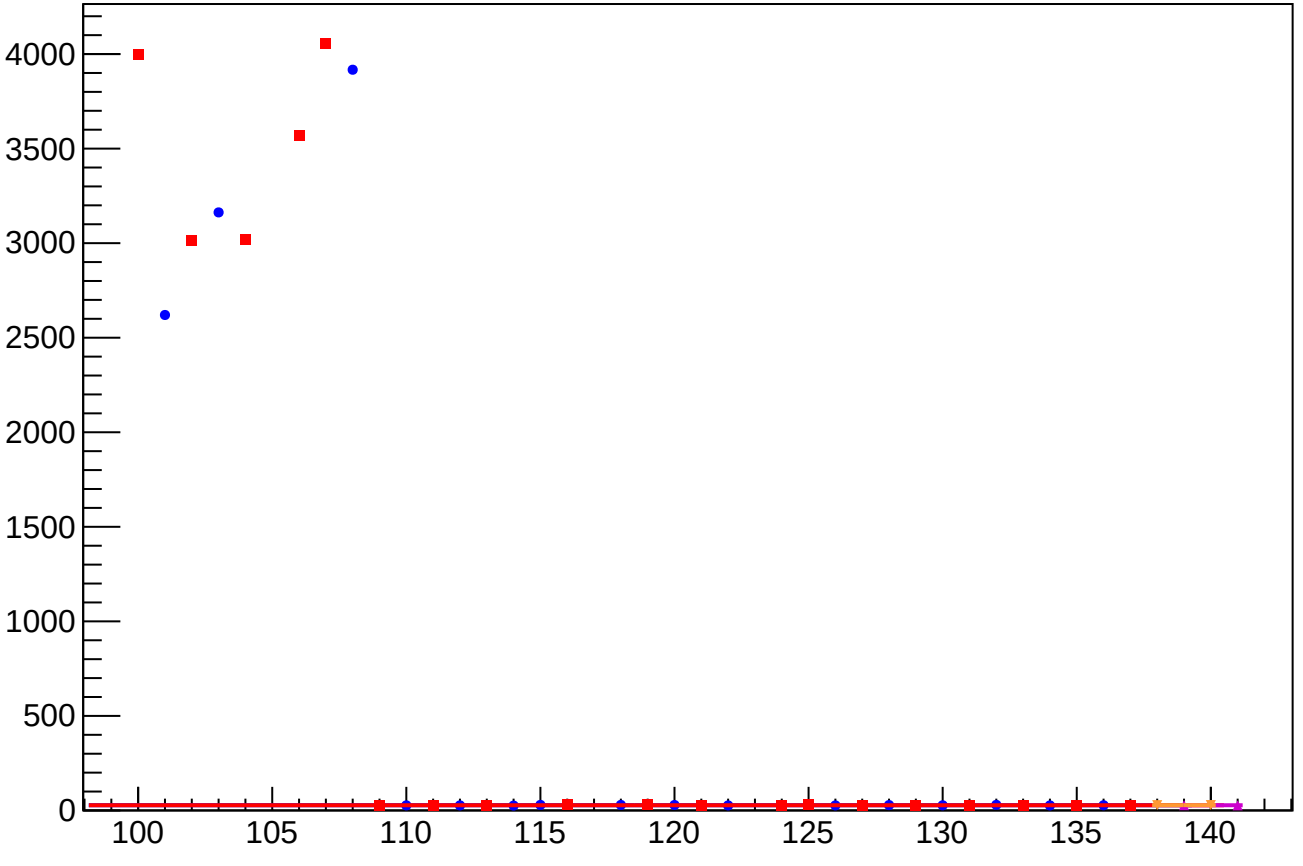
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 8.408+/-10.212 χ^2/NDF:16.4/17

Out: 9.327+/-10.416 χ^2/NDF:30.5/20

All: 8.858+/-7.292 χ^2/NDF: 46.9/38

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.079+/-0.016 χ^2/NDF:161.8/1

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 27.574+/-0.015 χ^2/NDF:722.4/1

Left: 27.813+/-0.011 χ^2/NDF: 1433.1/3

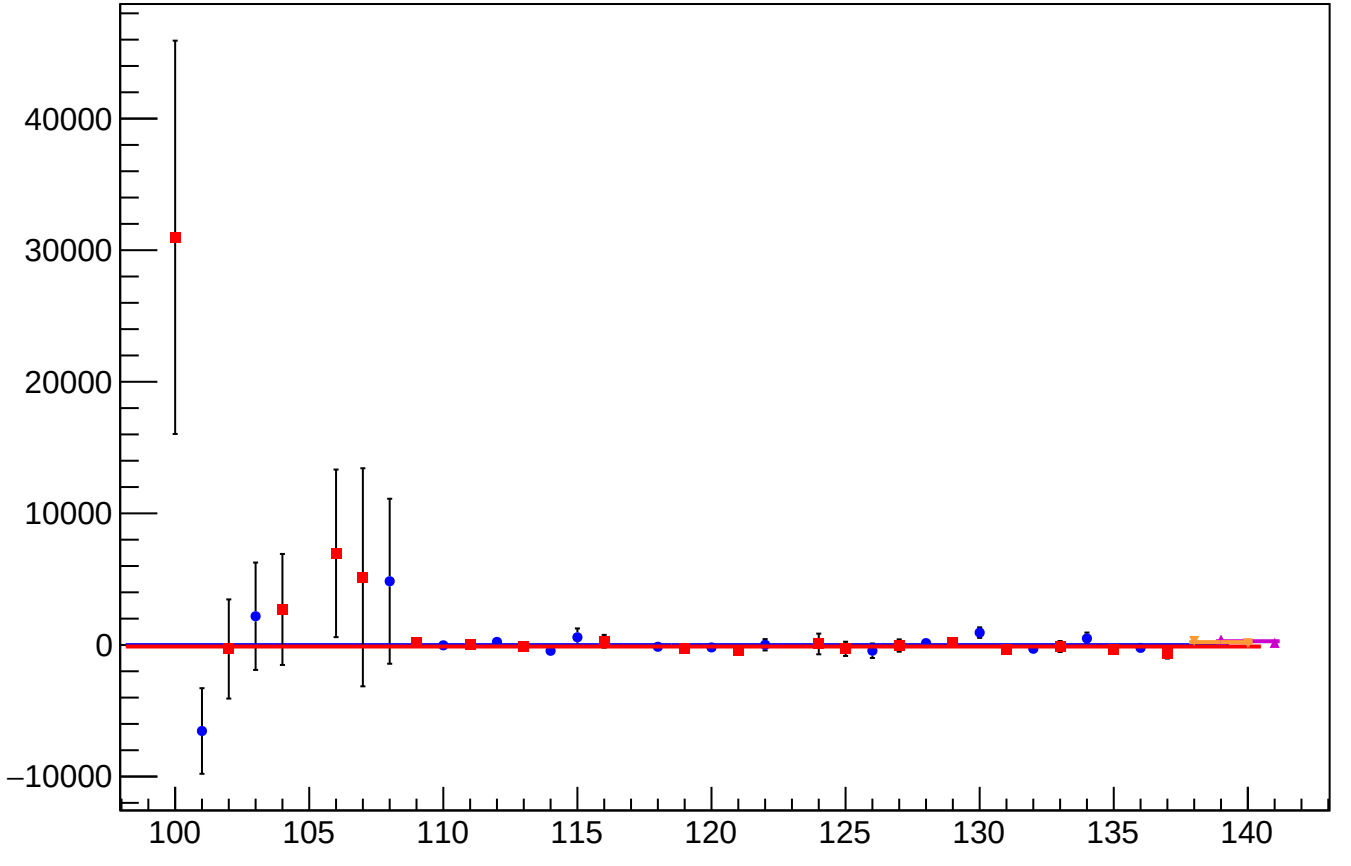
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 27.626+/-0.007 χ^2/NDF:3266236.8/17

Out: 27.655+/-0.007 χ^2/NDF:3556333.9/20

All: 27.640+/-0.005 χ^2/NDF: 6822579.0/38

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 217.227+/-171.670 χ^2/NDF:0.2/1

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 282.328+/-159.537 χ^2/NDF:0.7/1

Left: 252.159+/-116.864 χ^2/NDF: 1.0/3

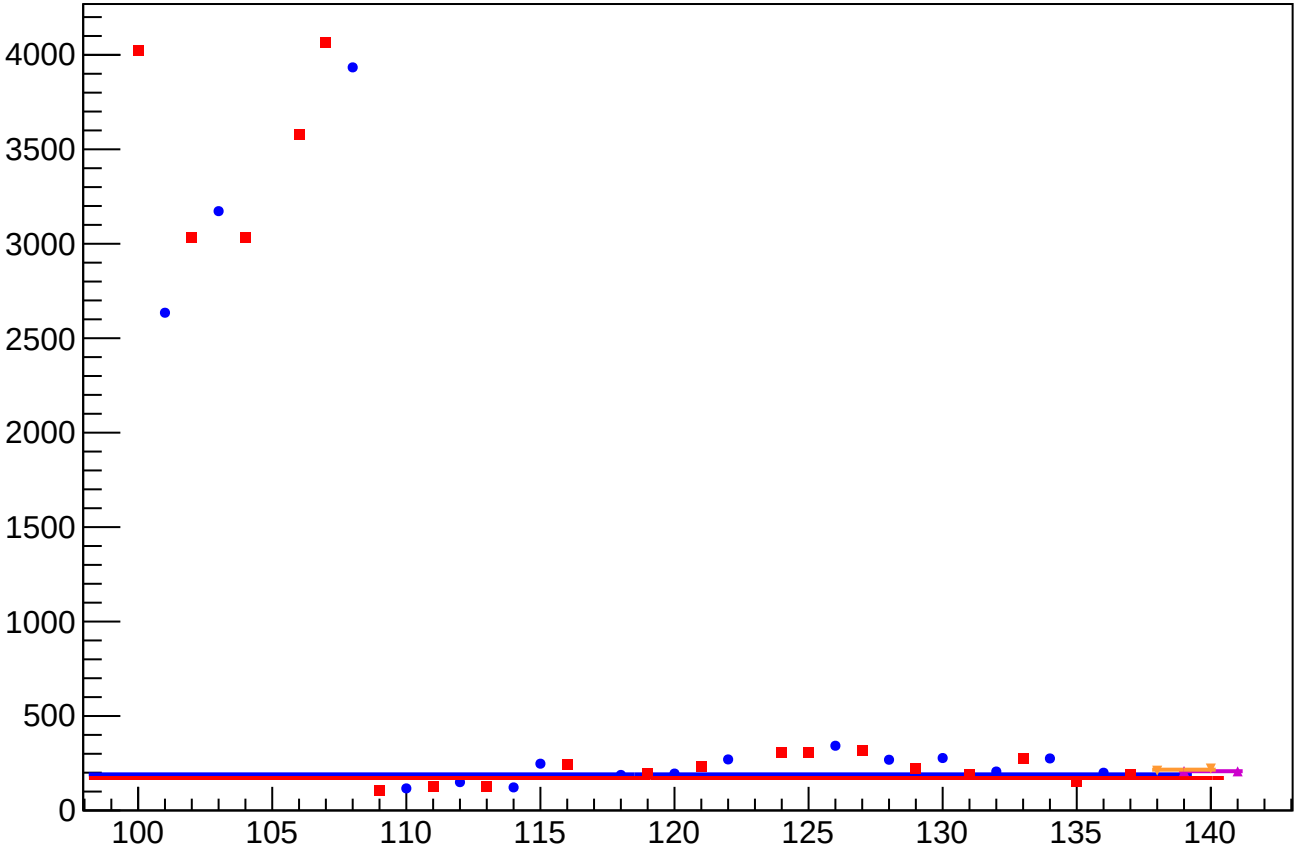
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 51.519+/-74.641 χ^2/NDF:21.7/17

Out: -60.857+/-70.910 χ^2/NDF:17.9/20

All: -7.548+/-51.409 χ^2/NDF: 40.7/38

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 215.913+/-0.121 χ^2/NDF:2202.9/1

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 207.790+/-0.113 χ^2/NDF:34.7/1

Left: 211.555+/-0.083 χ^2/NDF: 4640.2/3

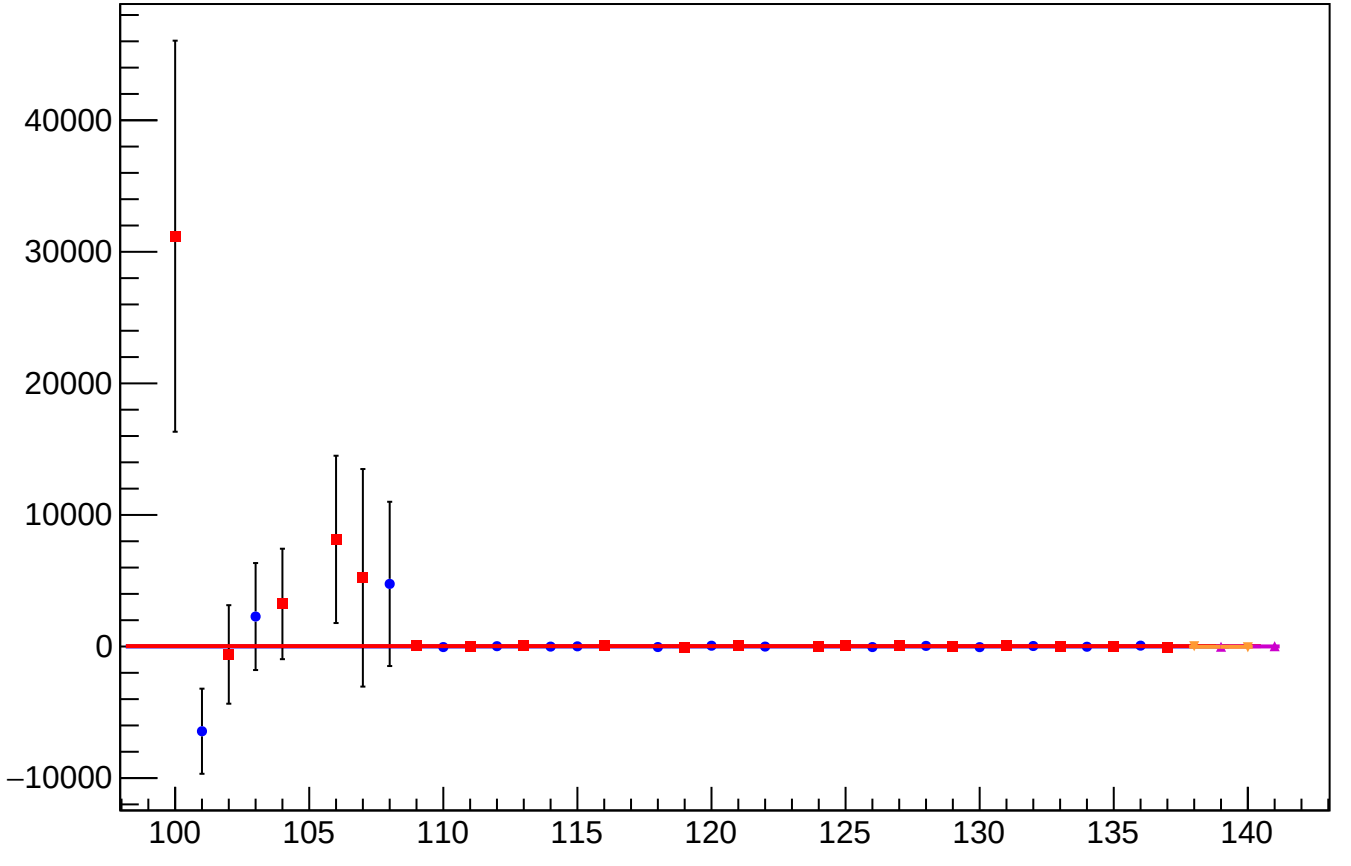
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 194.730+/-0.053 χ^2/NDF:3851147.2/17

Out: 179.356+/-0.050 χ^2/NDF:4426280.9/20

All: 186.649+/-0.036 χ^2/NDF: 8322028.3/38

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -21.073+/-22.251 χ^2/NDF:3.2/1

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 5.222+/-21.079 χ^2/NDF:0.9/1

Left: -7.215+/-15.303 χ^2/NDF: 4.8/3

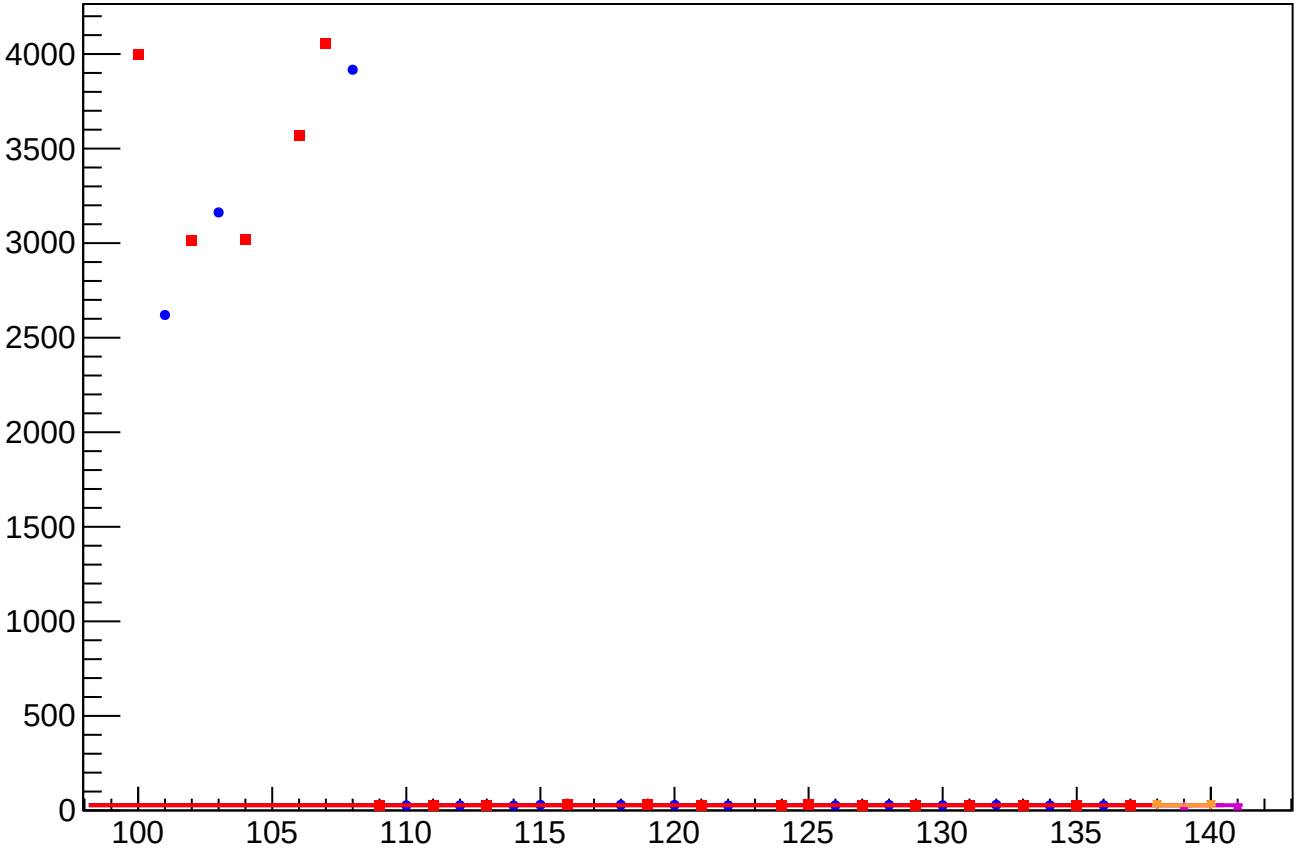
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 6.189+/-10.273 χ^2/NDF:19.2/17

Out: 19.386+/-10.495 χ^2/NDF:27.3/20

All: 12.646+/-7.341 χ^2/NDF: 47.3/38

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.229+/-0.016 χ^2/NDF:5.9/1

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 27.662+/-0.015 χ^2/NDF:913.0/1

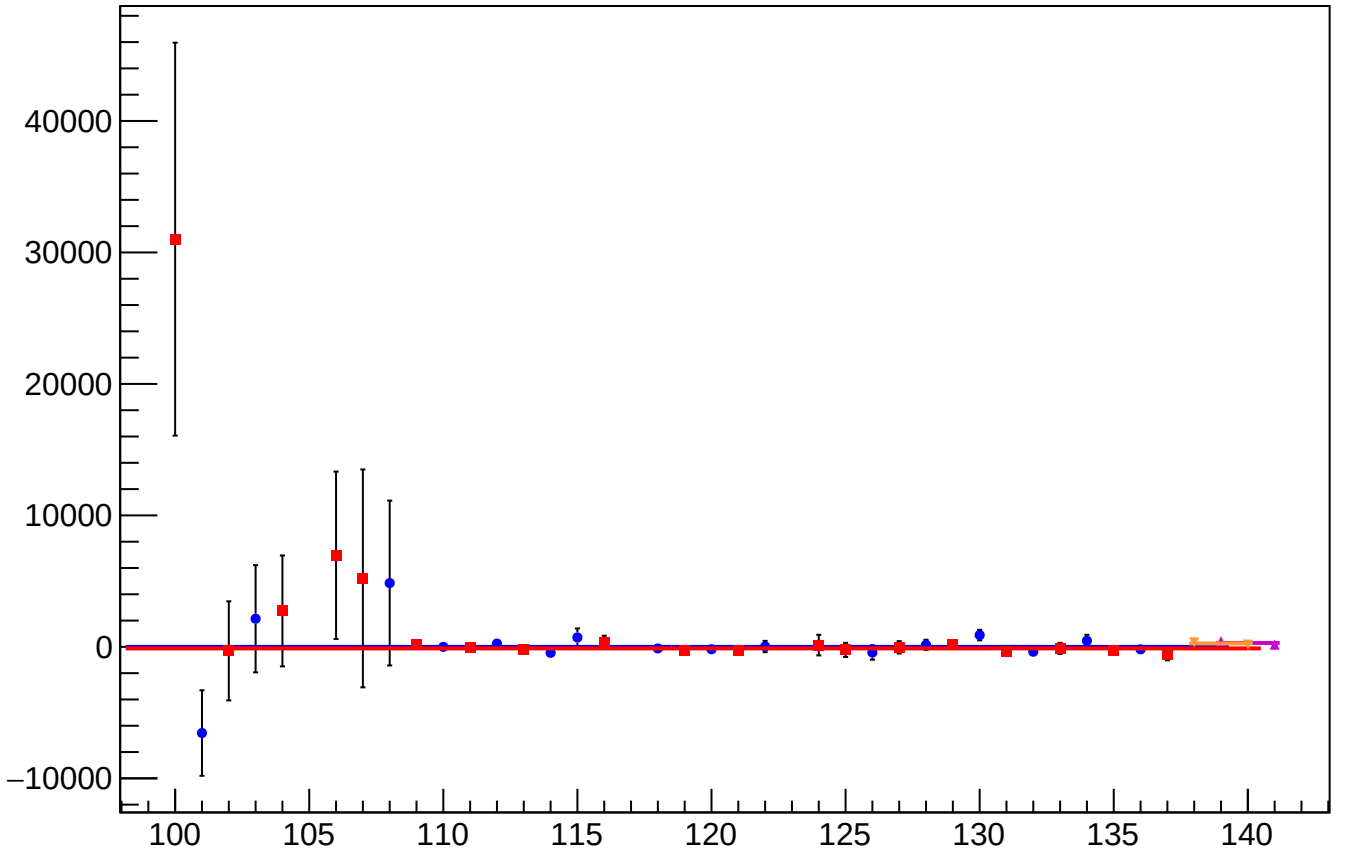
Left: 27.930+/-0.011 χ^2/NDF: 1603.6/3

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 27.786+/-0.007 χ^2/NDF:3266899.6/17

Out: 27.859+/-0.007 χ^2/NDF:3559392.4/20

All: 27.822+/-0.005 χ^2/NDF: 6826341.7/38



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 260.440+/-174.423 χ^2/NDF:0.2/1

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 296.721+/-161.722 χ^2/NDF:0.7/1

Left: 279.950+/-118.591 χ^2/NDF: 0.9/3

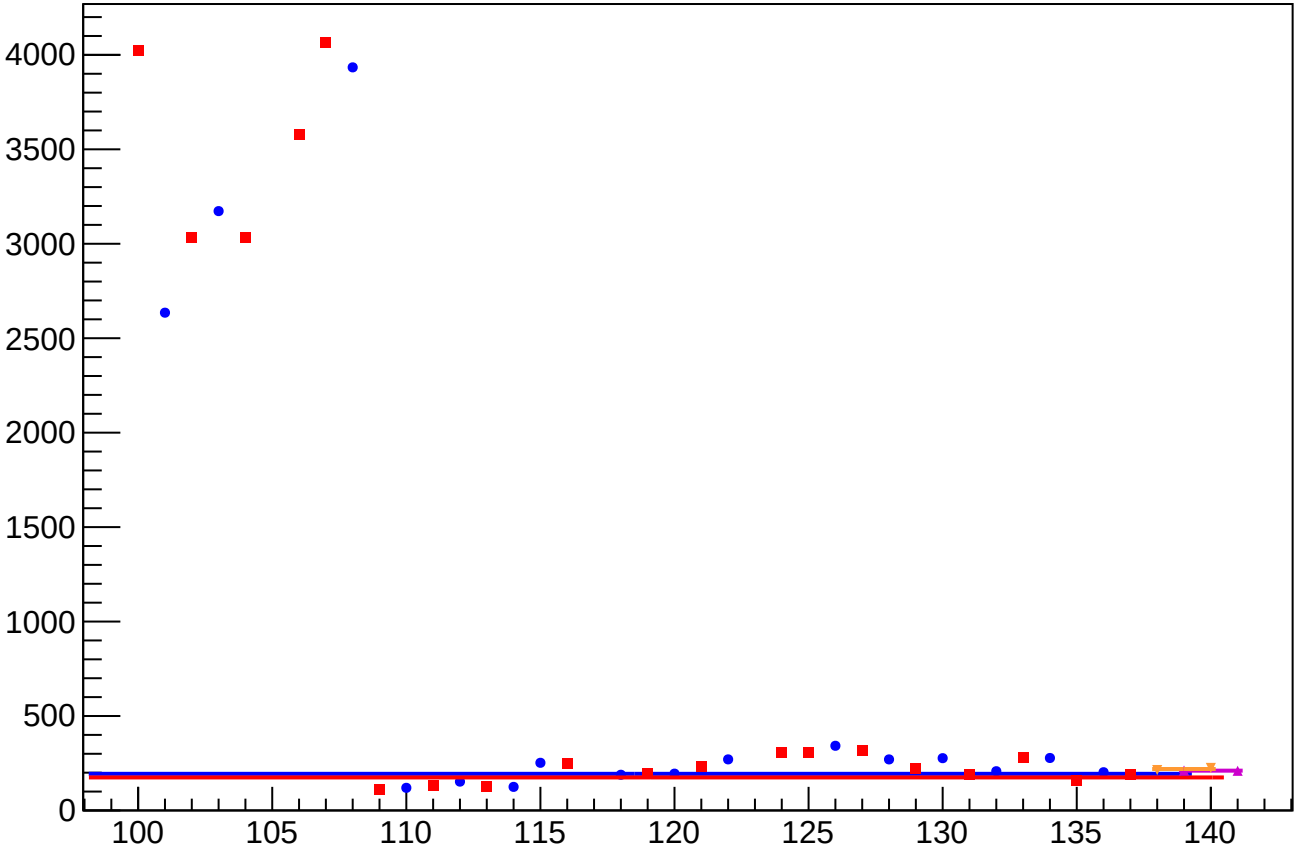
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 62.644+/-75.592 χ^2/NDF:21.6/17

Out: -51.782+/-71.927 χ^2/NDF:17.9/20

All: 2.590+/-52.108 χ^2/NDF: 40.7/38

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 219.402+/-0.123 χ^2/NDF:2071.0/1

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 210.667+/-0.114 χ^2/NDF:38.8/1

Left: 214.705+/-0.084 χ^2/NDF: 4807.2/3

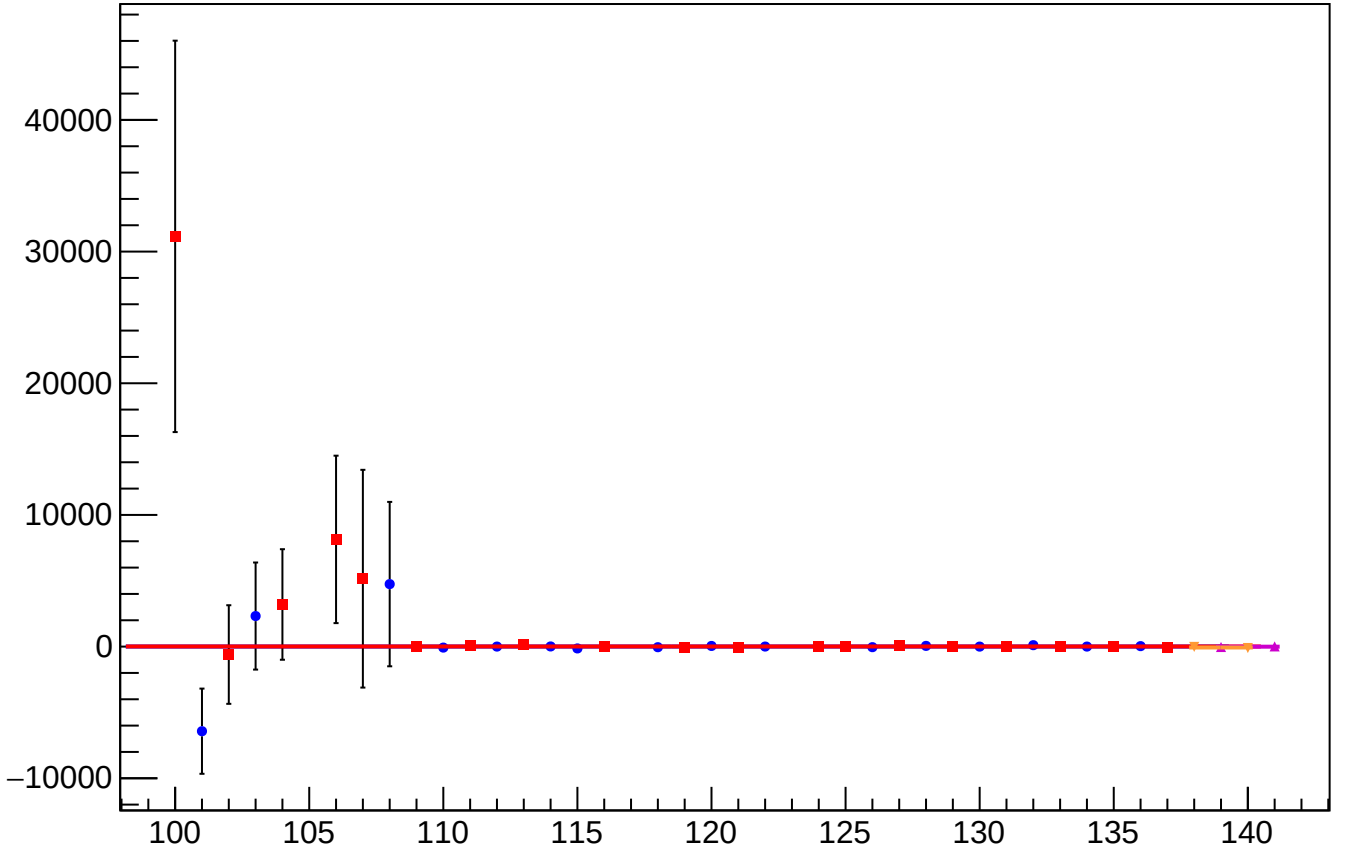
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 197.600+/-0.053 χ^2/NDF:3801215.0/17

Out: 182.368+/-0.051 χ^2/NDF:4370034.9/20

All: 189.605+/-0.037 χ^2/NDF: 8213869.4/38

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -66.637+/-27.022 χ^2/NDF:2.4/1

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -6.341+/-25.719 χ^2/NDF:0.8/1

Left: -35.000+/-18.630 χ^2/NDF: 5.8/3

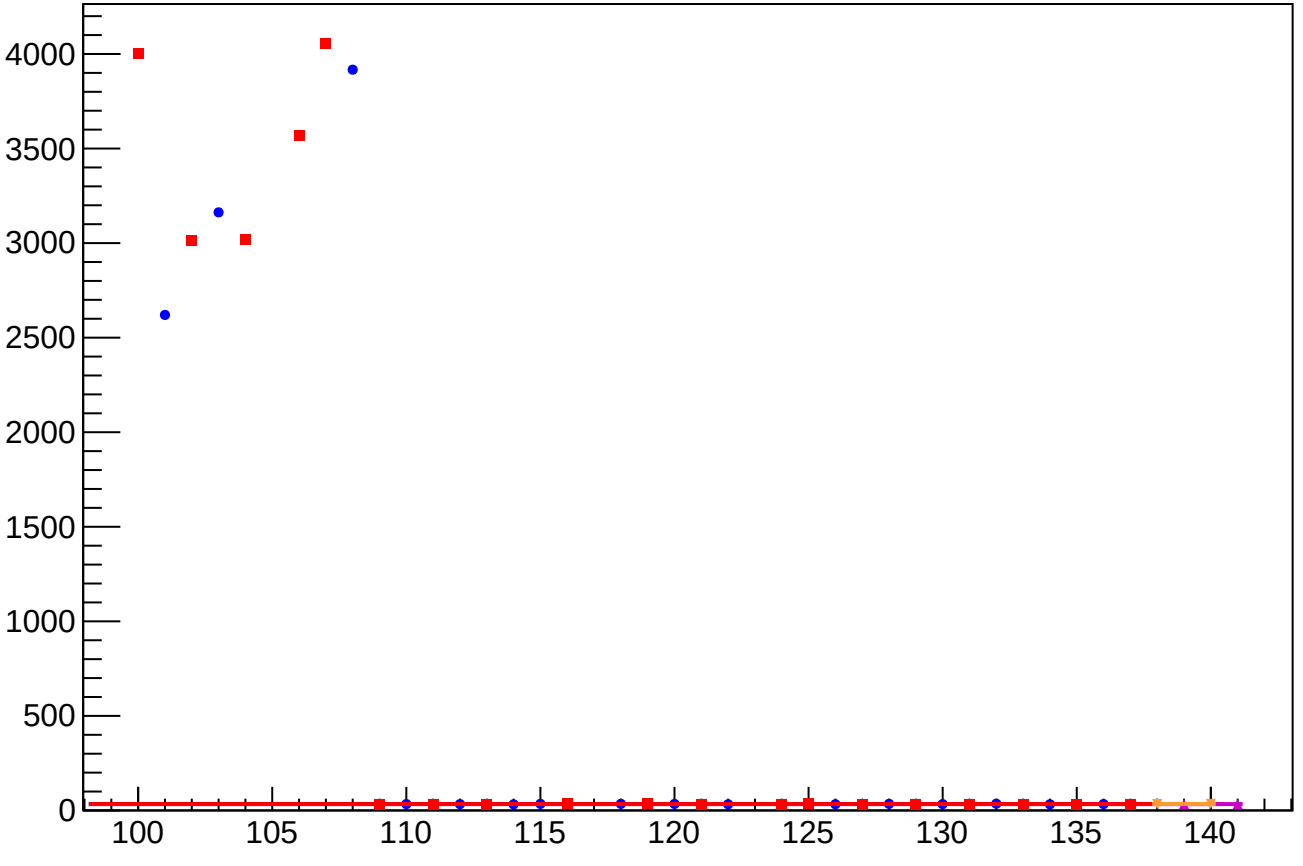
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 2.825+/-12.502 χ^2/NDF:18.4/17

Out: -7.007+/-12.731 χ^2/NDF:32.1/20

All: -2.002+/-8.920 χ^2/NDF: 50.8/38

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.311+/-0.019 χ^2/NDF:498.1/1

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 33.785+/-0.018 χ^2/NDF:318.8/1

Left: 34.035+/-0.013 χ^2/NDF: 1213.6/3

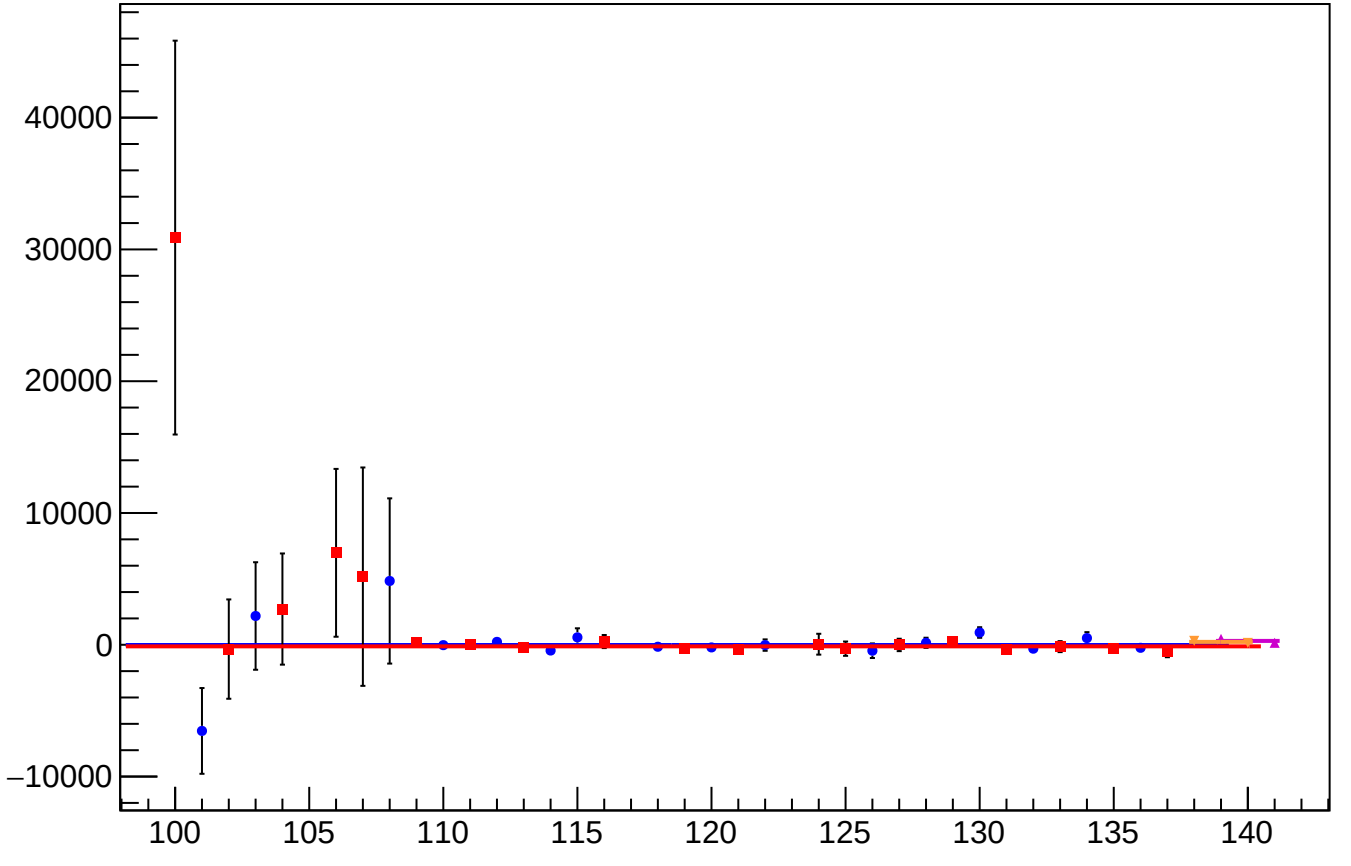
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 33.872+/-0.009 χ^2/NDF:3244731.4/17

Out: 33.856+/-0.009 χ^2/NDF:3527689.8/20

All: 33.864+/-0.006 χ^2/NDF: 6772422.9/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 219.913+/-172.572 χ^2/NDF:0.2/1

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 293.298+/-160.466 χ^2/NDF:0.8/1

Left: 259.270+/-117.513 χ^2/NDF: 1.2/3

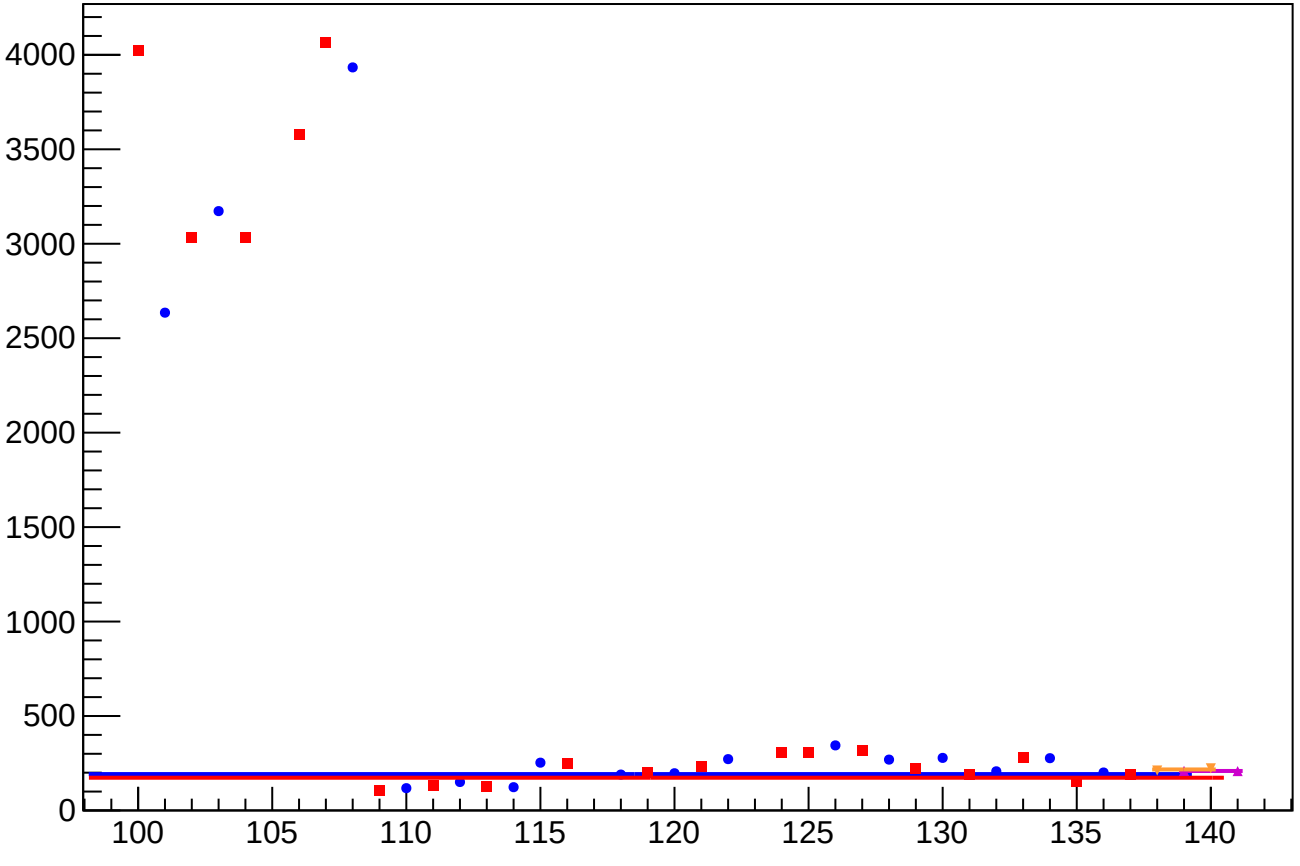
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 49.100+/-75.156 χ^2/NDF:22.0/17

Out: -61.715+/-71.421 χ^2/NDF:16.7/20

All: -9.130+/-51.772 χ^2/NDF: 39.8/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 217.048+/-0.122 χ^2/NDF:2251.4/1

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 209.007+/-0.113 χ^2/NDF:27.7/1

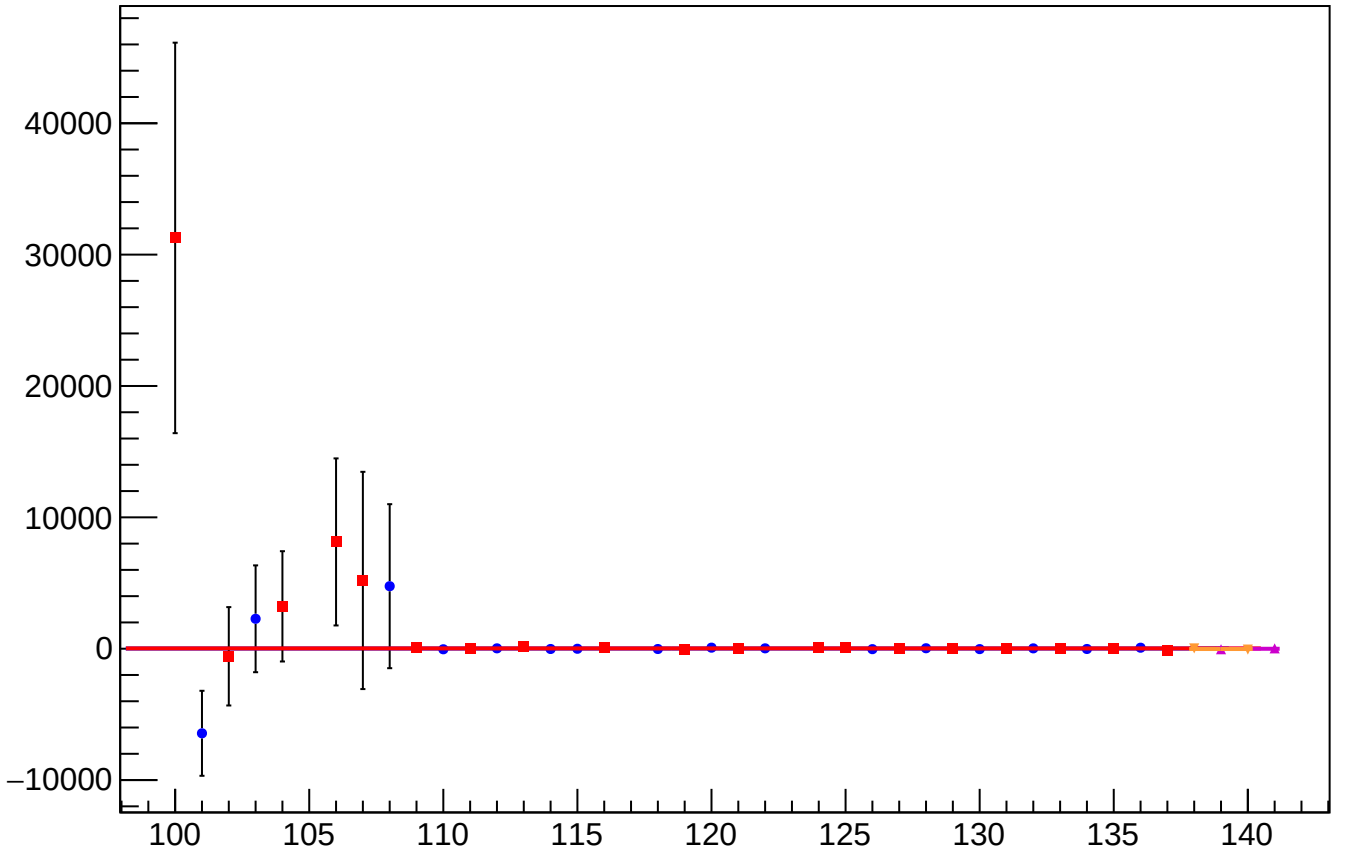
Left: 212.736+/-0.083 χ^2/NDF: 4607.8/3

Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 196.168+/-0.053 χ^2/NDF:3839218.6/17

Out: 180.751+/-0.051 χ^2/NDF:4416436.5/20

All: 188.067+/-0.037 χ^2/NDF: 8299878.5/38



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -23.553+/-24.299 χ^2/NDF:3.4/1

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: -4.885+/-23.139 χ^2/NDF:2.1/1

Left: -13.762+/-16.757 χ^2/NDF: 5.8/3

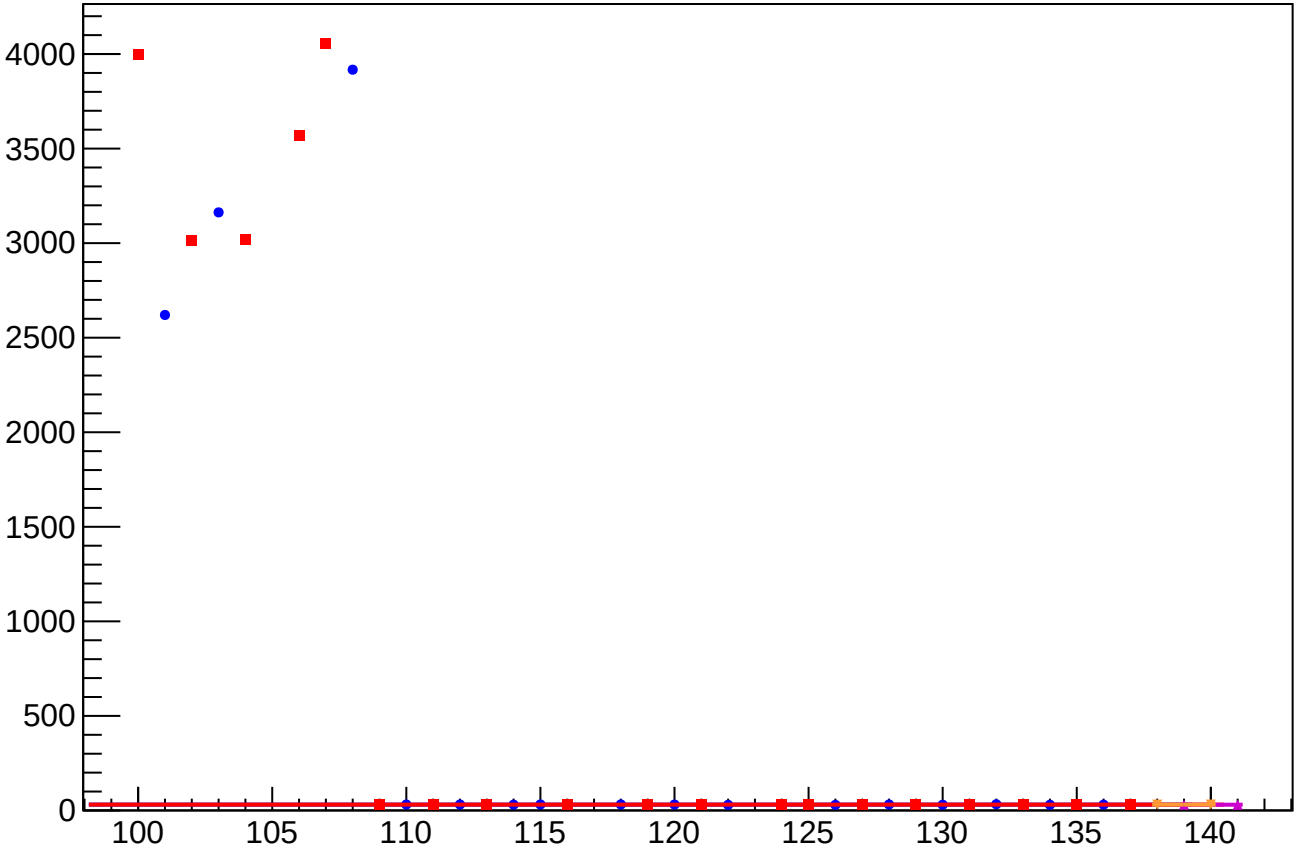
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 9.219+/-11.375 χ^2/NDF:18.1/17

Out: 12.594+/-11.586 χ^2/NDF:35.0/20

All: 10.875+/-8.117 χ^2/NDF: 53.1/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 30.847+/-0.017 χ^2/NDF:62.4/1

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 30.386+/-0.016 χ^2/NDF:488.1/1

Left: 30.605+/-0.012 χ^2/NDF: 927.4/3

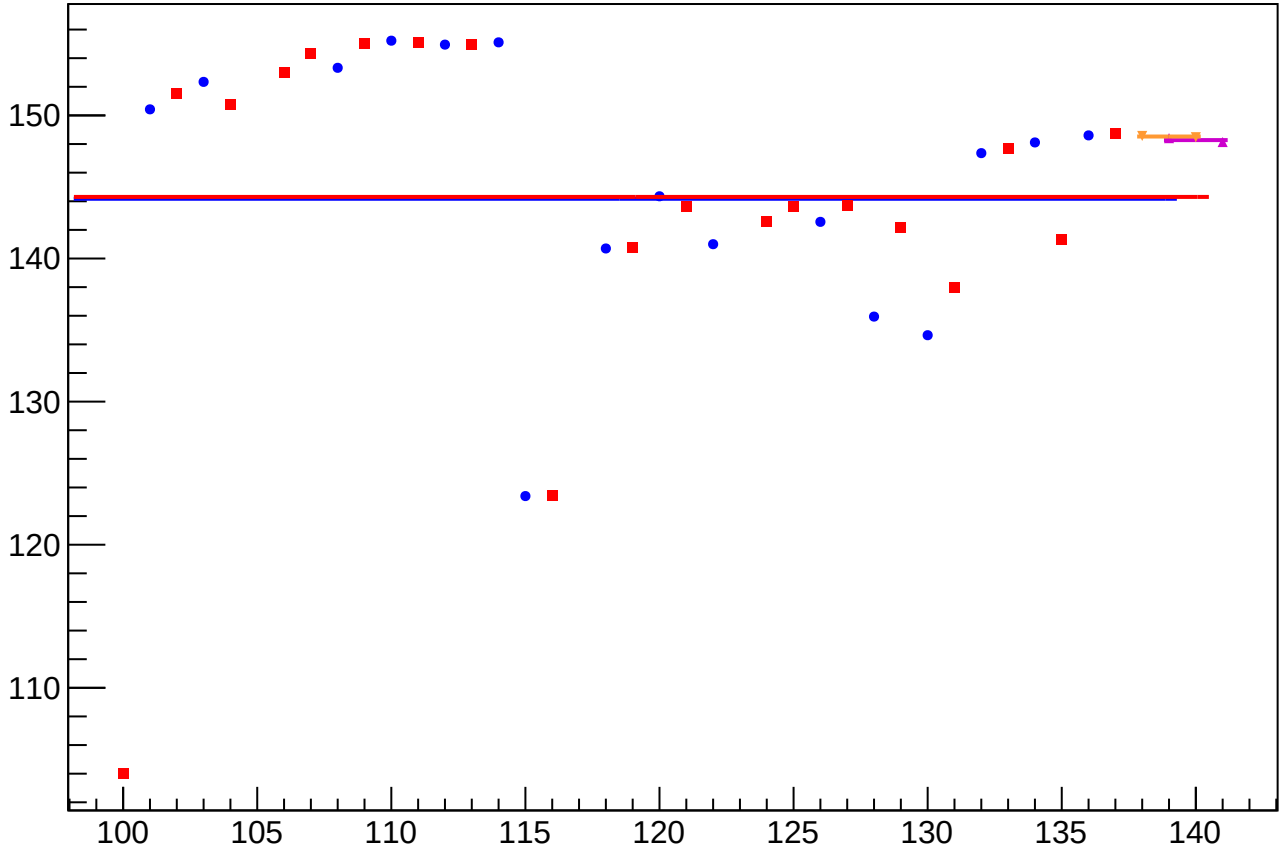
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 30.797+/-0.008 χ^2/NDF:3253928.6/17

Out: 30.793+/-0.008 χ^2/NDF:3536309.8/20

All: 30.795+/-0.006 χ^2/NDF: 6790238.6/38

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.525+/-0.000 χ^2/NDF:32294.6/1

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.275+/-0.000 χ^2/NDF:278038.9/1

Left: 148.406+/-0.000 χ^2/NDF: 806793.6/3

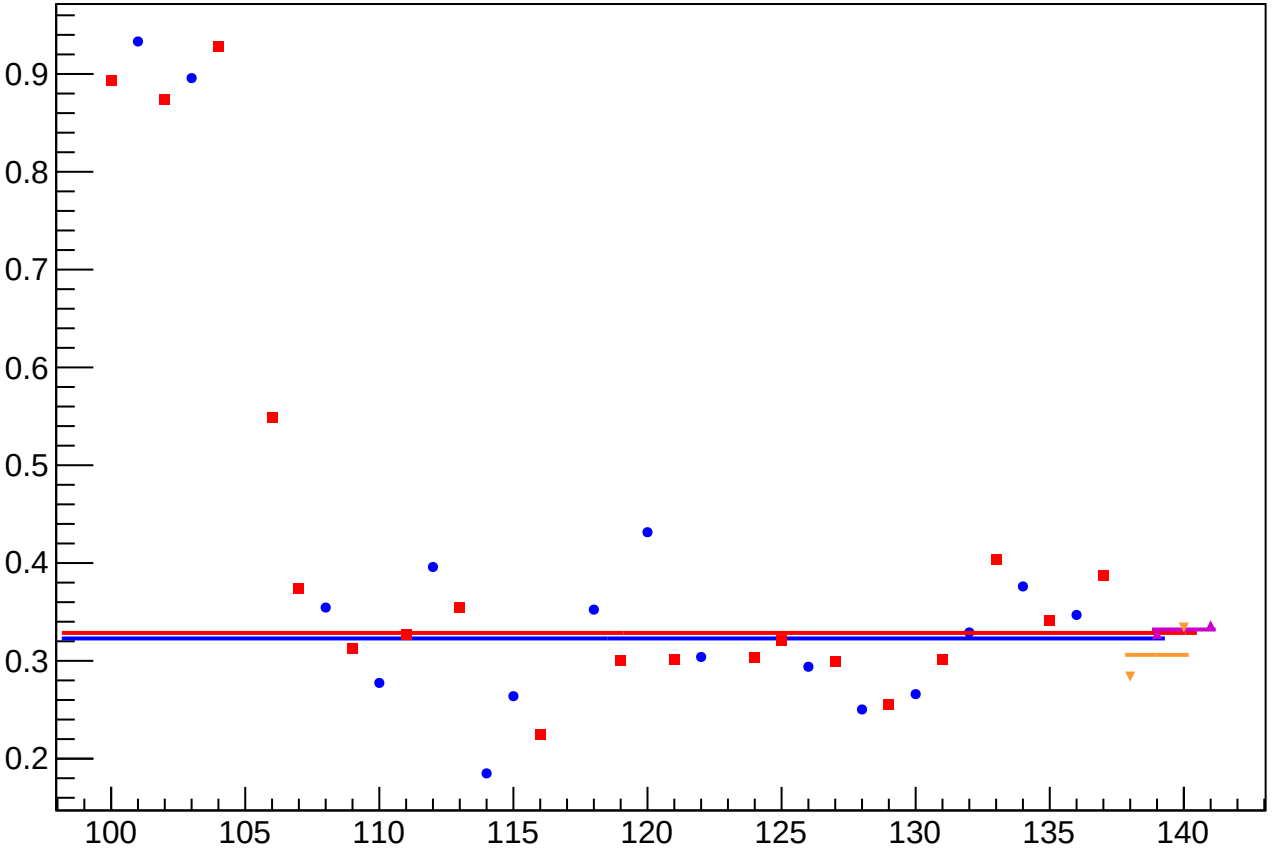
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.036+/-0.000 χ^2/NDF:3926184377.0/17

Out: 145.268+/-0.000 χ^2/NDF:4494158581.3/20

All: 145.153+/-0.000 χ^2/NDF: 8422297940.6

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.306+/-0.000 χ^2/NDF:20687.9/1

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.332+/-0.000 χ^2/NDF:575.0/1

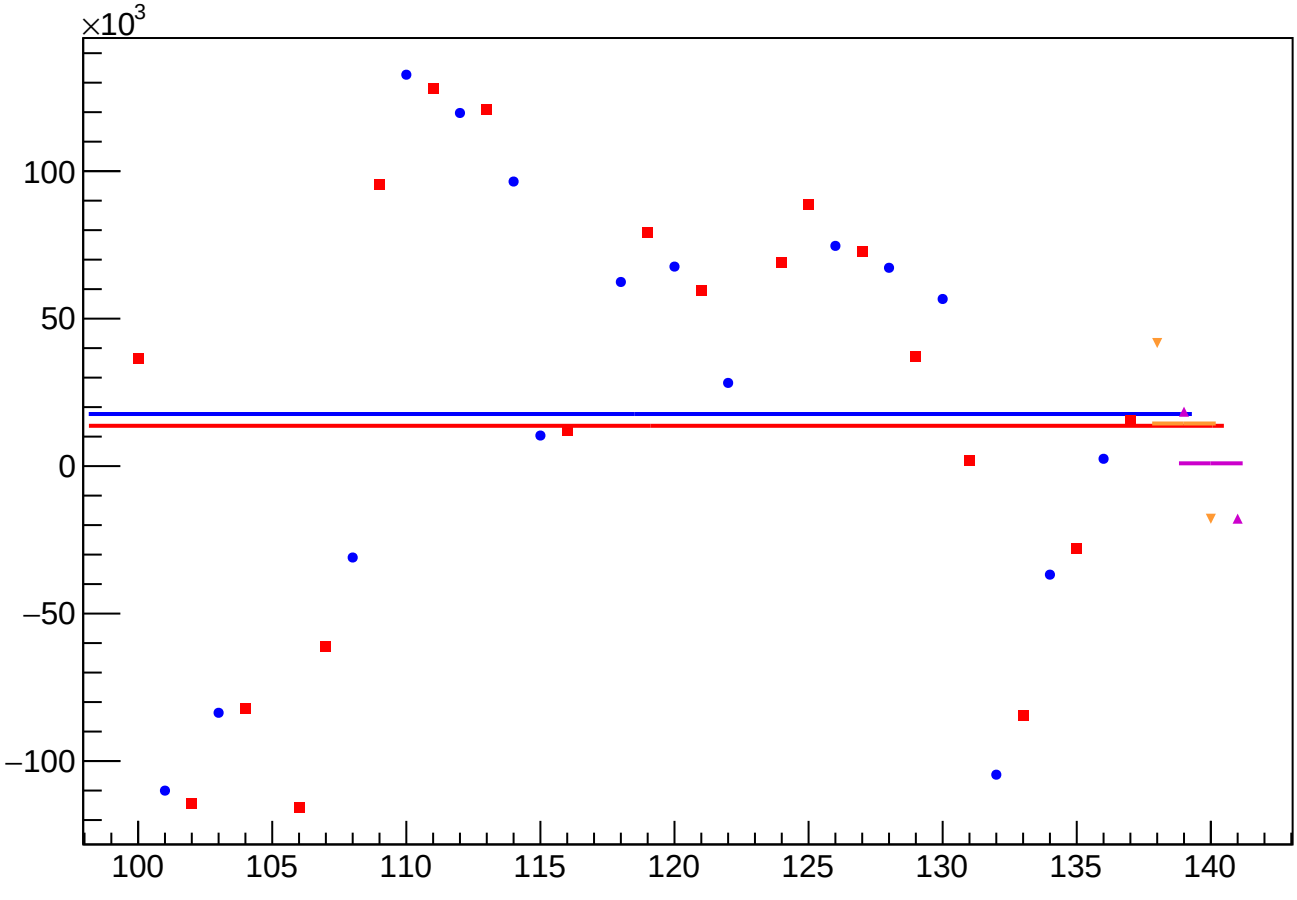
Left: 0.318+/-0.000 χ^2/NDF: 31913.0/3

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.325+/-0.000 χ^2/NDF:1398604.8/17

Out: 0.323+/-0.000 χ^2/NDF:1337790.6/20

All: 0.324+/-0.000 χ^2/NDF: 2736529.5/38



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 14447.157+/-3.943 χ^2/NDF:56666859.2/1

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: 942.558+/-3.821 χ^2/NDF:22491248.6/1

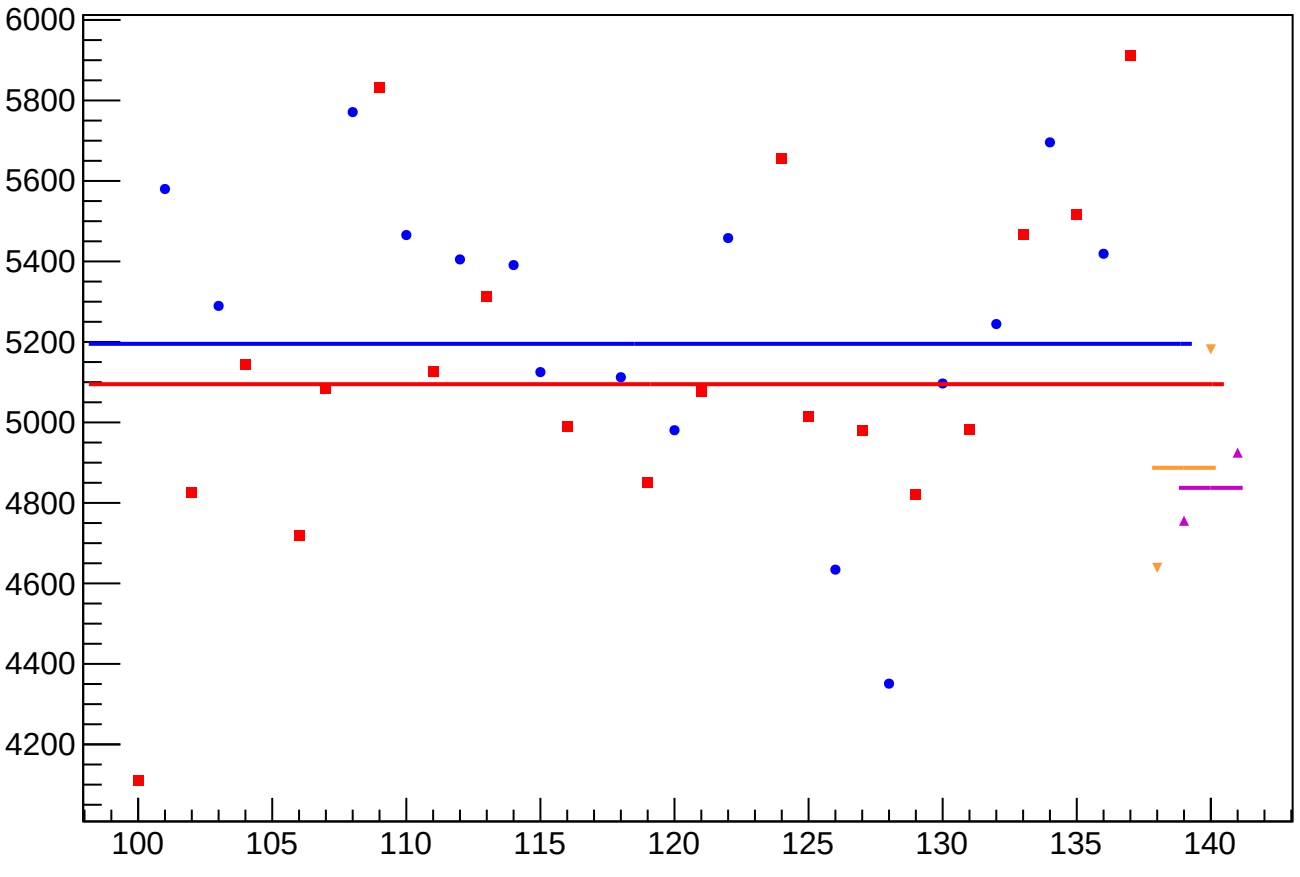
Left: 7481.827+/-2.744 χ^2/NDF: 85207247.3/3

Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 14051.995+/-1.776 χ^2/NDF:1436245286.3/17

Out: 13816.571+/-1.730 χ^2/NDF:1913661393.7/20

All: 13931.198+/-1.239 χ^2/NDF: 334991569



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4887.250+/-2.788 χ^2/NDF:9409.9/1

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4837.430+/-2.702 χ^2/NDF:979.7/1

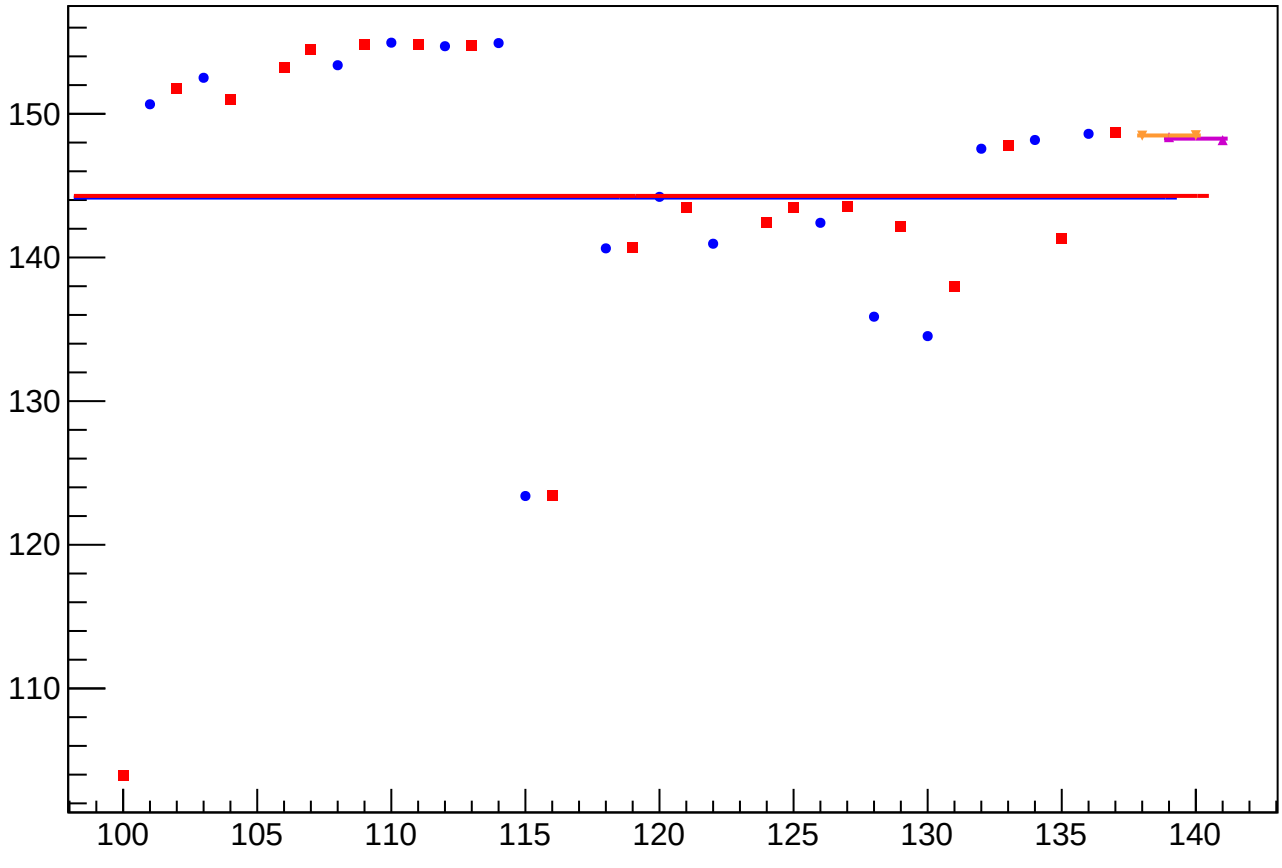
Left: 4861.554+/-1.940 χ^2/NDF: 10554.2/3

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 5117.999+/-1.256 χ^2/NDF:91901.1/17

Out: 5055.061+/-1.223 χ^2/NDF:73006.9/20

All: 5085.705+/-0.876 χ^2/NDF: 166197.1/38



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.494+/-0.000 χ^2/NDF:3668.4/1

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 148.274+/-0.000 χ^2/NDF:167279.3/1

Left: 148.389+/-0.000 χ^2/NDF: 559117.8/3

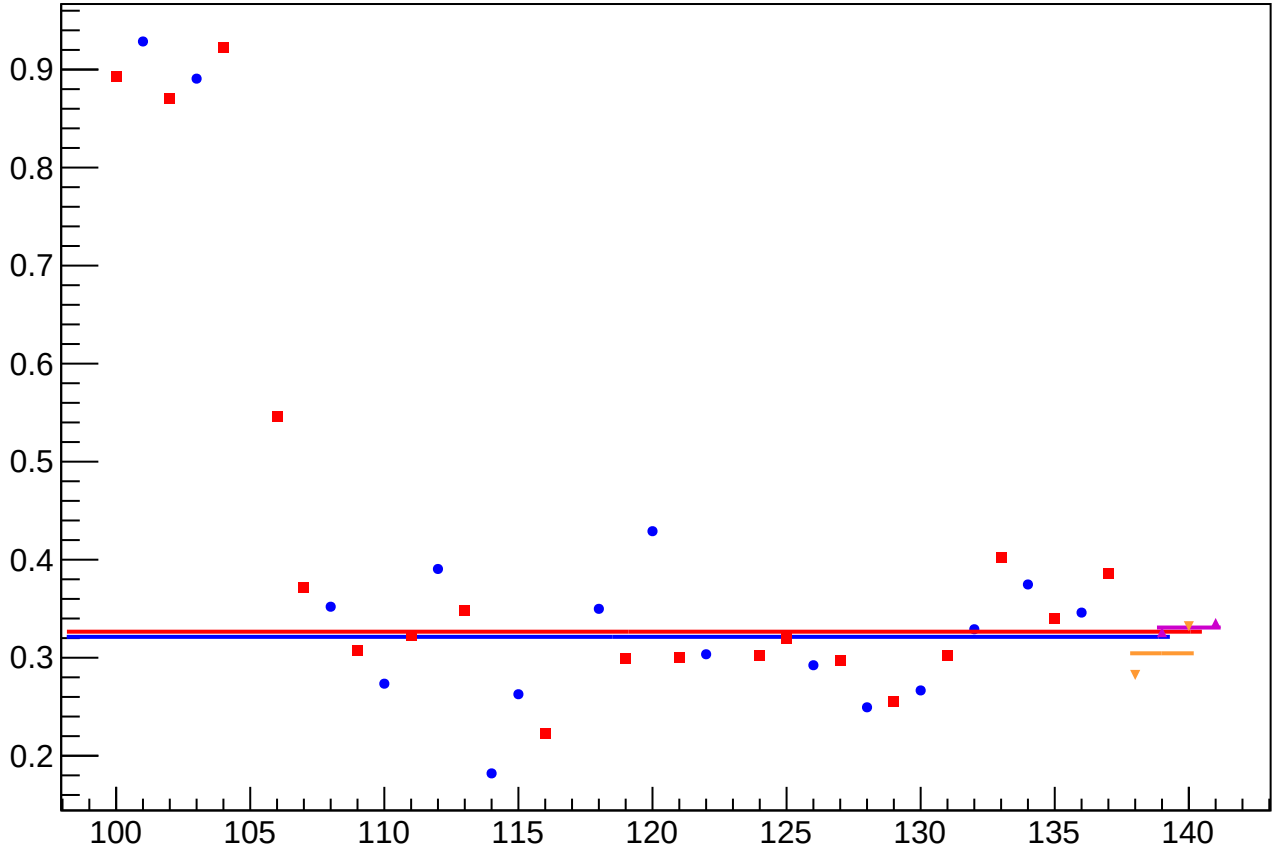
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.030+/-0.000 χ^2/NDF:3968041667.7/17

Out: 145.246+/-0.000 χ^2/NDF:4520915679.7/20

All: 145.139+/-0.000 χ^2/NDF: 8490664217.8

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.305+/-0.000 χ^2/NDF:20581.3/1

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.331+/-0.000 χ^2/NDF:664.6/1

Left: 0.317+/-0.000 χ^2/NDF: 32326.4/3

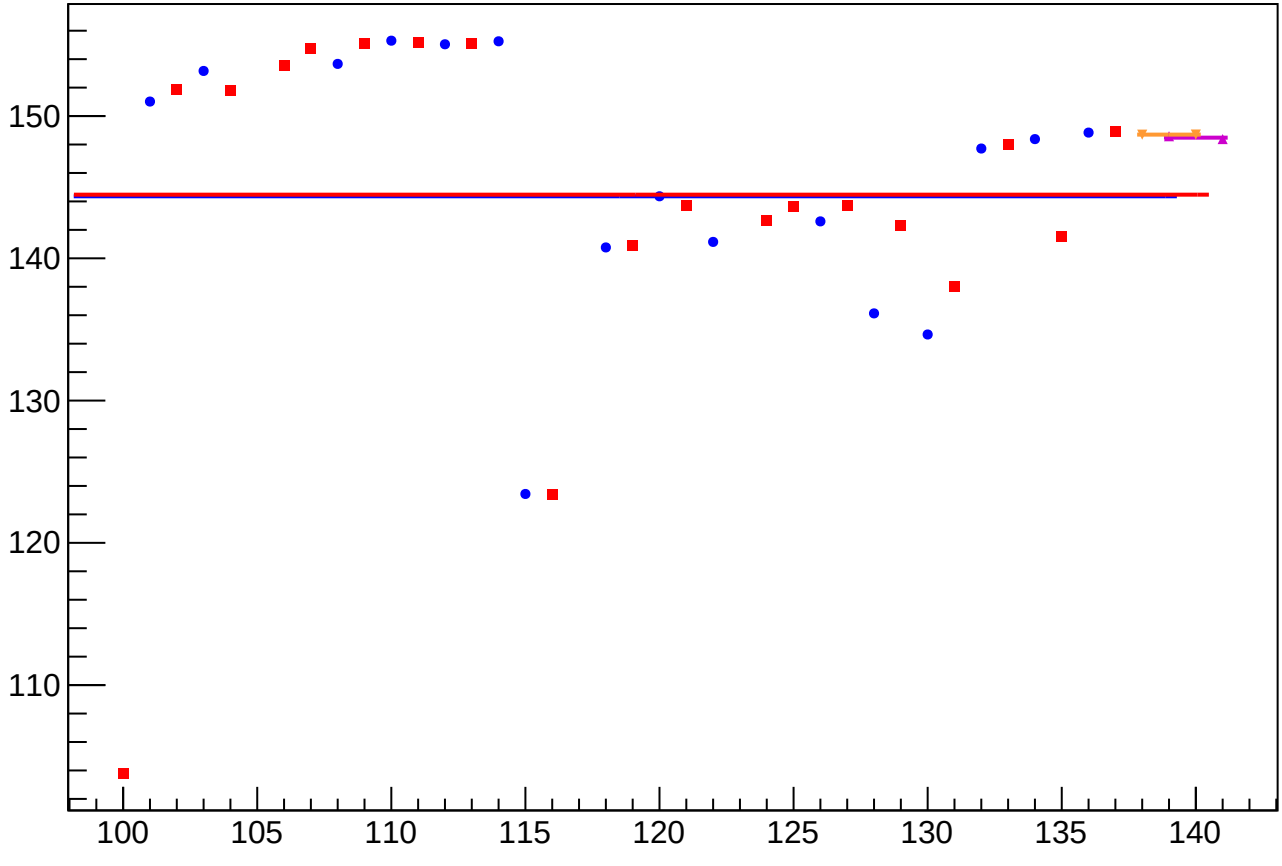
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.323+/-0.000 χ^2/NDF:1399096.4/17

Out: 0.322+/-0.000 χ^2/NDF:1335987.9/20

All: 0.322+/-0.000 χ^2/NDF: 2735309.7/38

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.696+/-0.000 χ^2/NDF:243.1/1

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 148.482+/-0.000 χ^2/NDF:149776.9/1

Left: 148.594+/-0.000 χ^2/NDF: 514036.7/3

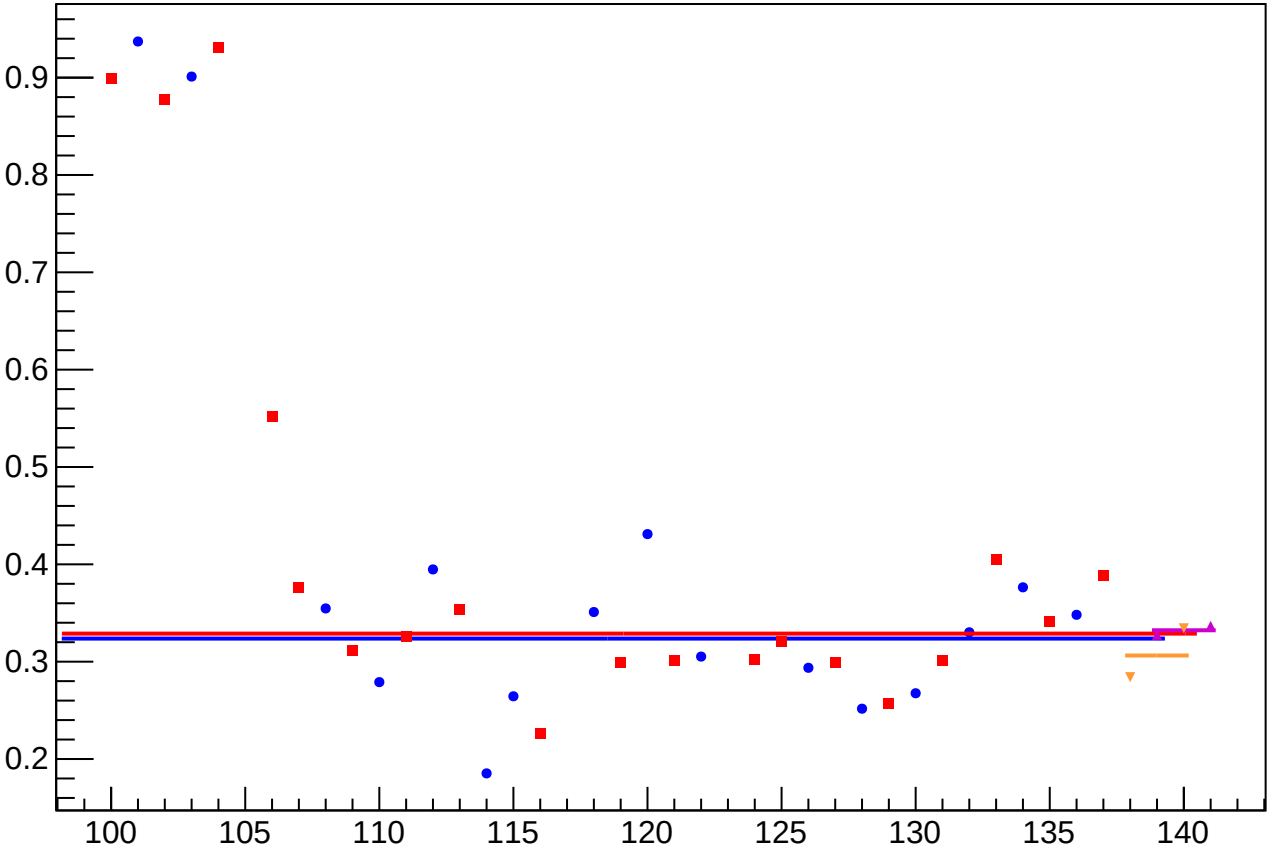
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 145.227+/-0.000 χ^2/NDF:3961652101.8/17

Out: 145.438+/-0.000 χ^2/NDF:4511322972.7/20

All: 145.334+/-0.000 χ^2/NDF: 8474590907.2

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.306+/-0.000 χ^2/NDF:20767.3/1

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.332+/-0.000 χ^2/NDF:641.2/1

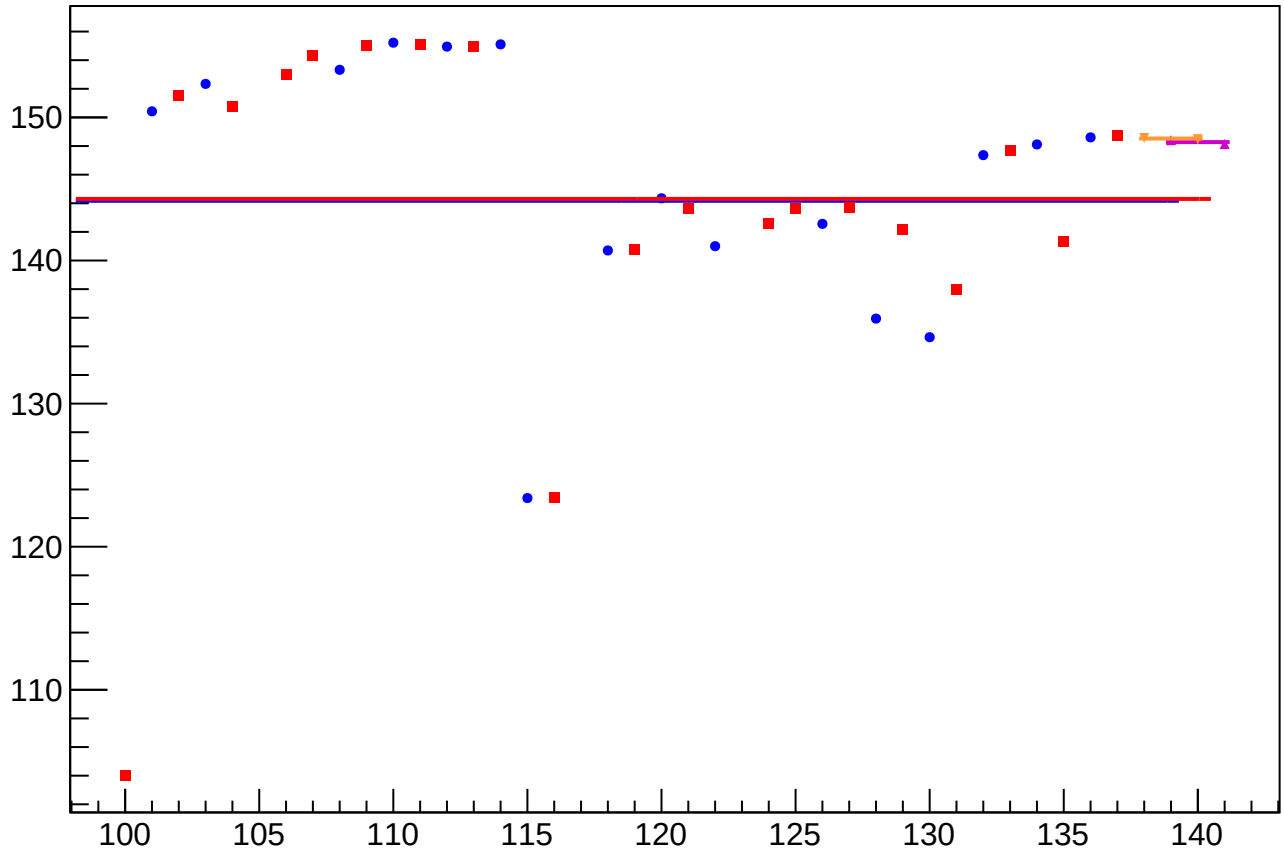
Left: 0.319+/-0.000 χ^2/NDF: 32051.0/3

Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.326+/-0.000 χ^2/NDF:1394759.2/17

Out: 0.324+/-0.000 χ^2/NDF:1336988.4/20

All: 0.325+/-0.000 χ^2/NDF: 2731987.6/38



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.525+/-0.000 χ^2/NDF:32294.6/1

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.275+/-0.000 χ^2/NDF:278038.9/1

Left: 148.406+/-0.000 χ^2/NDF: 806793.6/3

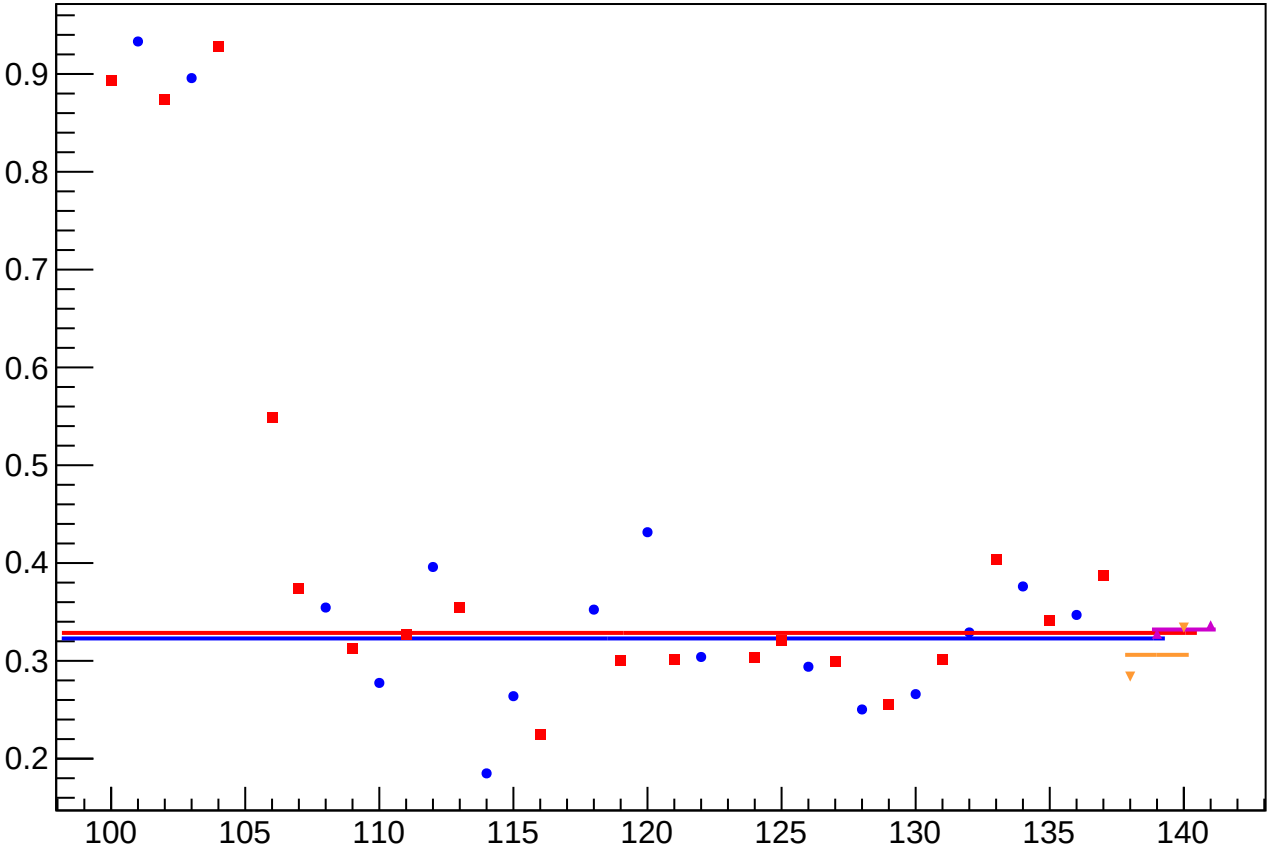
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.036+/-0.000 χ^2/NDF:3926184377.0/17

Out: 145.268+/-0.000 χ^2/NDF:4494158581.3/20

All: 145.153+/-0.000 χ^2/NDF: 8422297940.6

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.306+/-0.000 χ^2/NDF:20687.9/1

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.332+/-0.000 χ^2/NDF:575.0/1

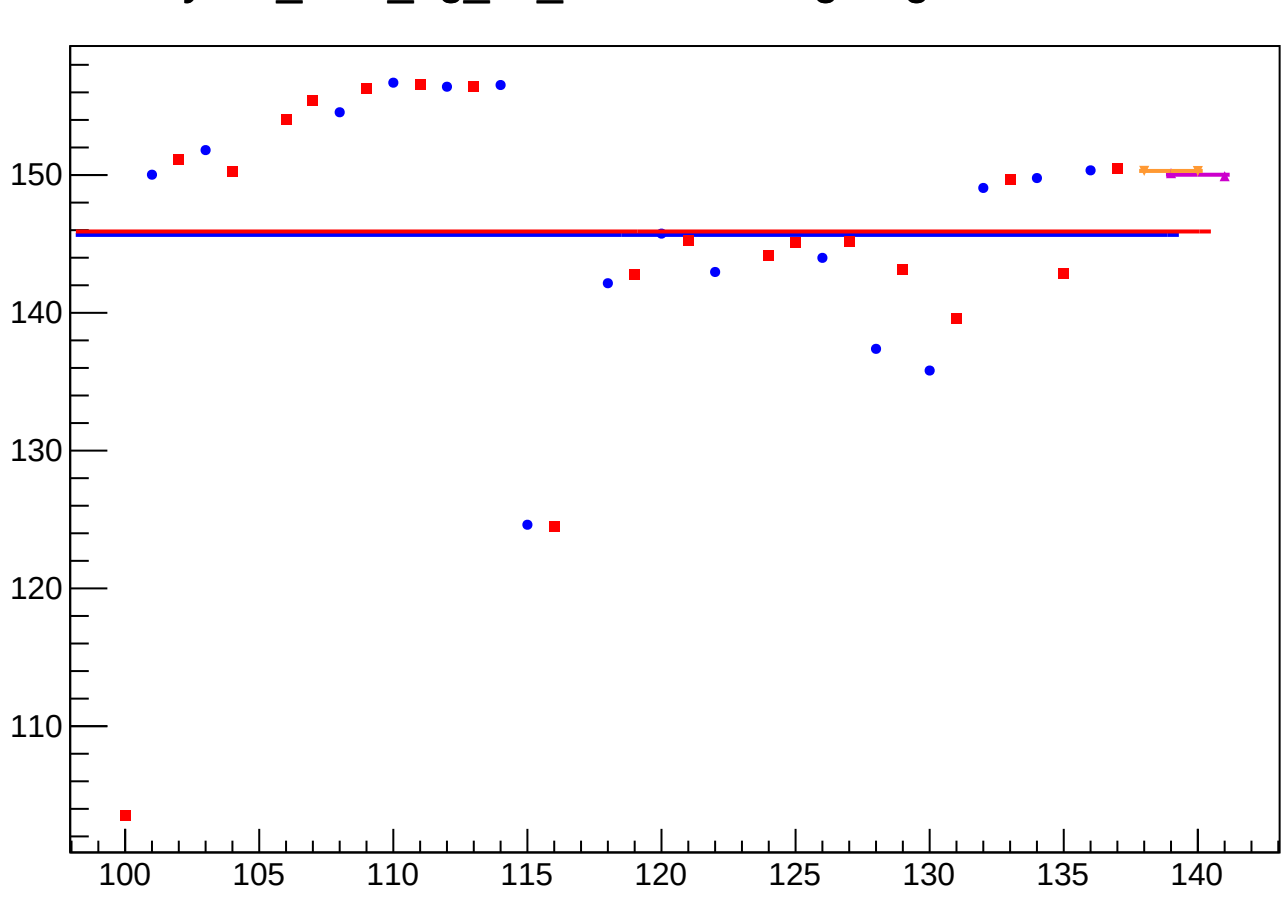
Left: 0.318+/-0.000 χ^2/NDF: 31913.0/3

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.325+/-0.000 χ^2/NDF:1398604.8/17

Out: 0.323+/-0.000 χ^2/NDF:1337790.6/20

All: 0.324+/-0.000 χ^2/NDF: 2736529.5/38



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 150.298+/-0.000 χ^2/NDF:444.6/1

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 150.023+/-0.000 χ^2/NDF:158885.0/1

Left: 150.167+/-0.000 χ^2/NDF: 673603.5/3

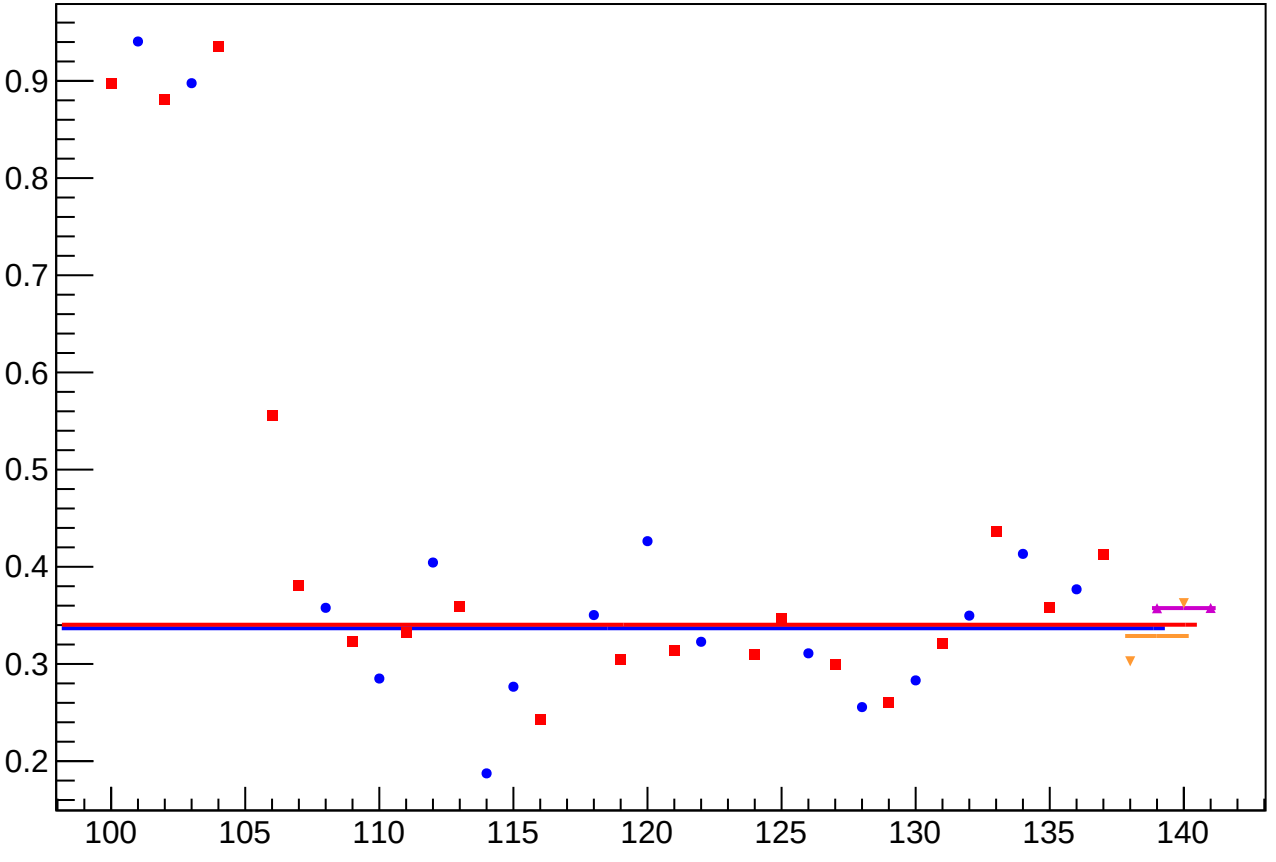
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.524+/-0.000 χ^2/NDF:3680112508.0/17

Out: 146.841+/-0.000 χ^2/NDF:4079302869.7/20

All: 146.684+/-0.000 χ^2/NDF: 7762742390.5

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.329+/-0.000 χ^2/NDF:25071.4/1

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.357+/-0.000 χ^2/NDF:0.5/1

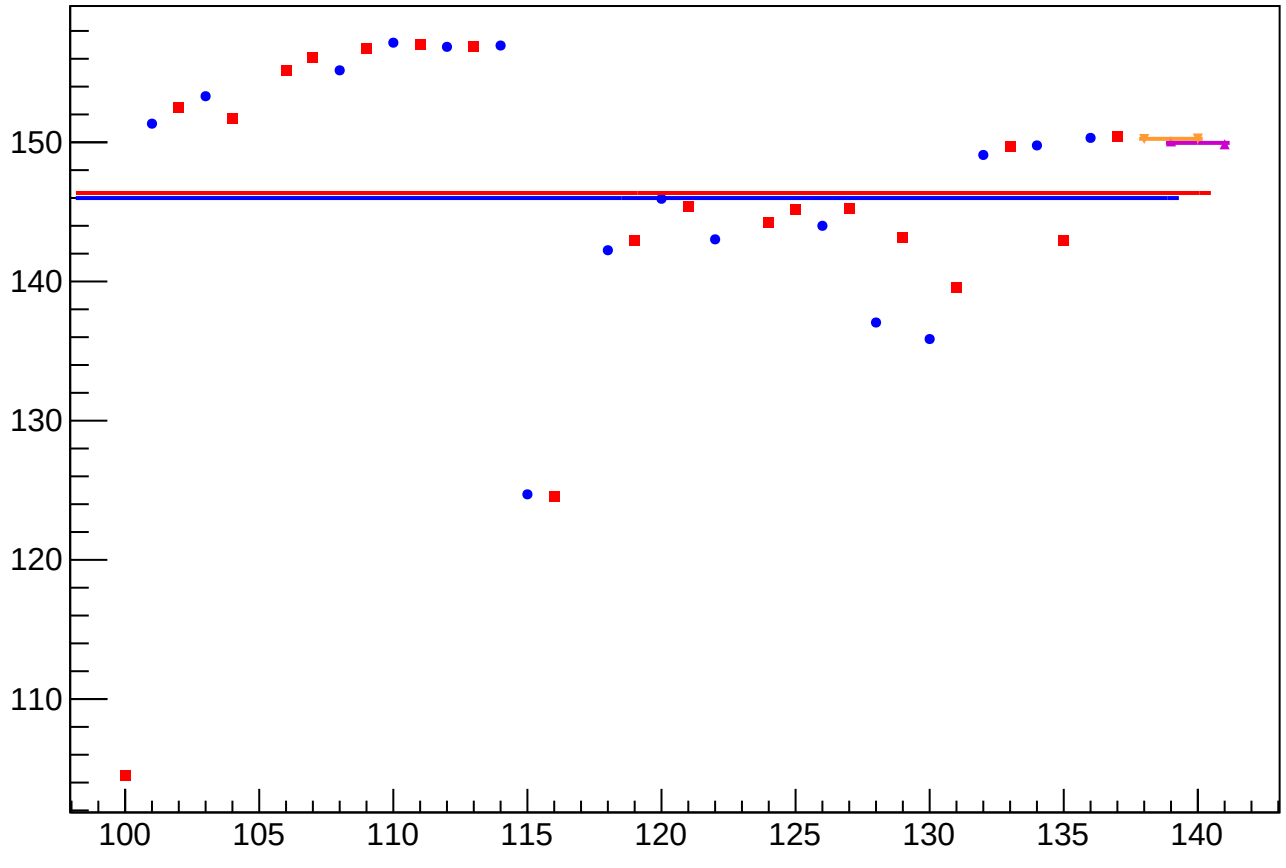
Left: 0.342+/-0.000 χ^2/NDF: 36272.4/3

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

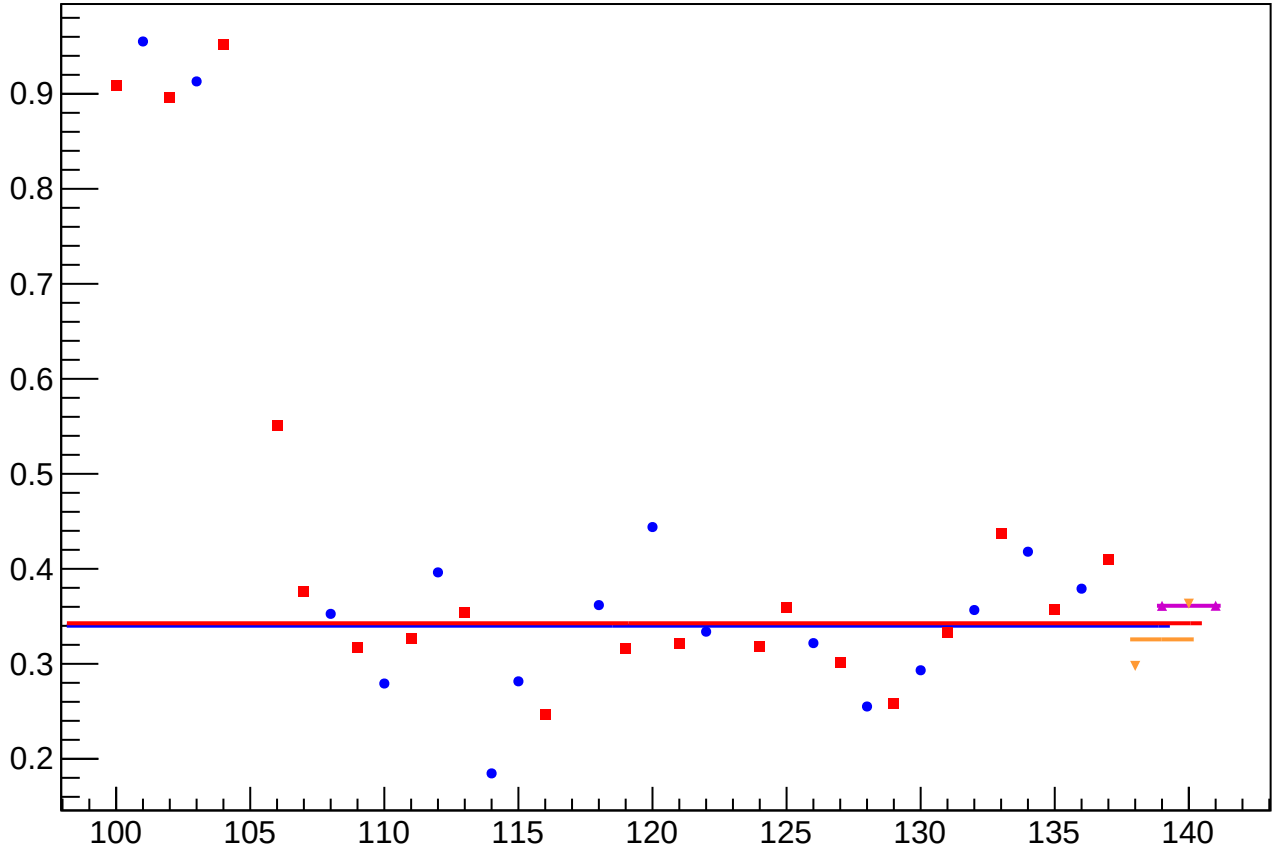
In: 0.341+/-0.000 χ^2/NDF:1379482.5/17

Out: 0.338+/-0.000 χ^2/NDF:1302802.0/20

All: 0.339+/-0.000 χ^2/NDF: 2682861.1/38


yield_bcm_dg_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
105
110
115
120
125
130
135
140
Right In: 145.993+/-0.000 χ²/NDF: 3621634656.4/15
Left Out: 150.249+/-0.000 χ²/NDF:4353.1/1
Right Out: 146.358+/-0.000 χ²/NDF: 3963122316.1/18
Left In: 149.957+/-0.000 χ²/NDF:140475.0/1
Left: 150.112+/-0.000 χ²/NDF: 721074.4/3
Right: 146.176+/-0.000 χ²/NDF: 7588198619.6/34
In: 146.779+/-0.000 χ²/NDF:3781562126.9/17
Out: 147.205+/-0.000 χ²/NDF:4133545456.4/20
All: 146.996+/-0.000 χ²/NDF: 7920992255.4

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.326+/-0.000 χ^2/NDF:30196.5/1

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.361+/-0.000 χ^2/NDF:0.1/1

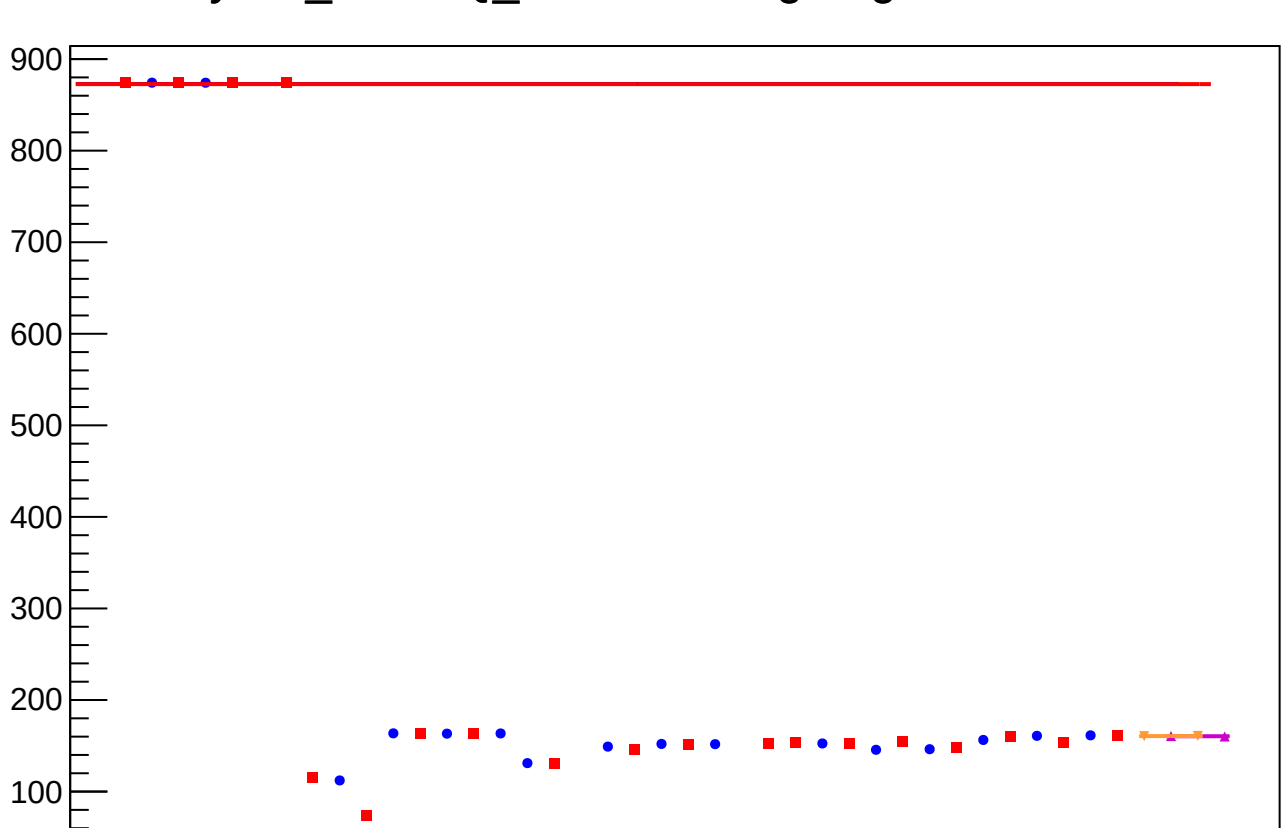
Left: 0.342+/-0.000 χ^2/NDF: 47071.1/3

Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.344+/-0.000 χ^2/NDF:1402157.3/17

Out: 0.339+/-0.000 χ^2/NDF:1307414.1/20

All: 0.342+/-0.000 χ^2/NDF: 2711394.2/38



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 160.611+/-0.001 χ^2/NDF:75530.3/1

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 160.433+/-0.001 χ^2/NDF:187293.8/1

Left: 160.526+/-0.000 χ^2/NDF: 314187.1/3

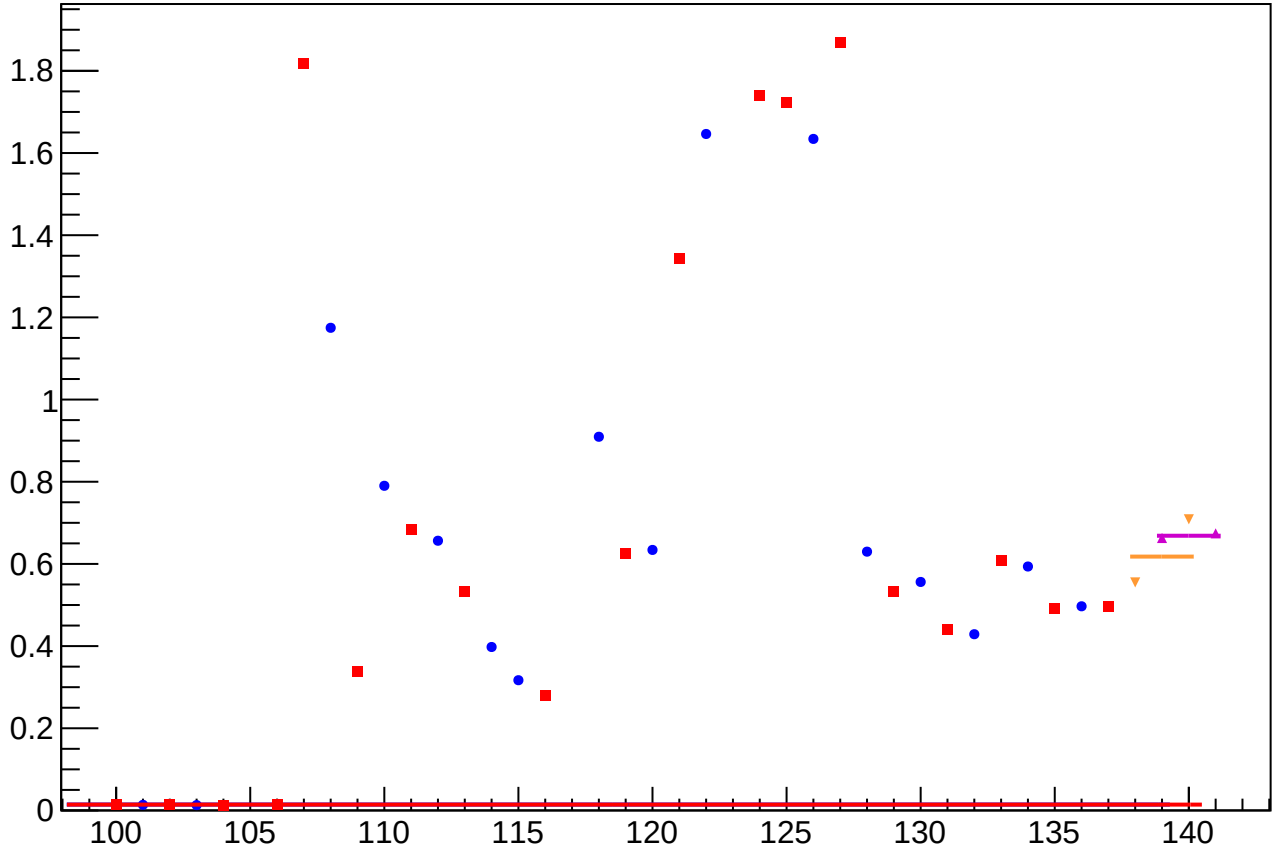
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.

In: 872.508+/-0.000 χ^2/NDF:8782865897312.3/17

Out: 872.382+/-0.000 χ^2/NDF:10886547406512.3

All: 872.441+/-0.000 χ^2/NDF: 19669474571

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.618+/-0.000 χ^2/NDF:38689.0/1

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.669+/-0.000 χ^2/NDF:201.1/1

Left: 0.642+/-0.000 χ^2/NDF: 47285.9/3

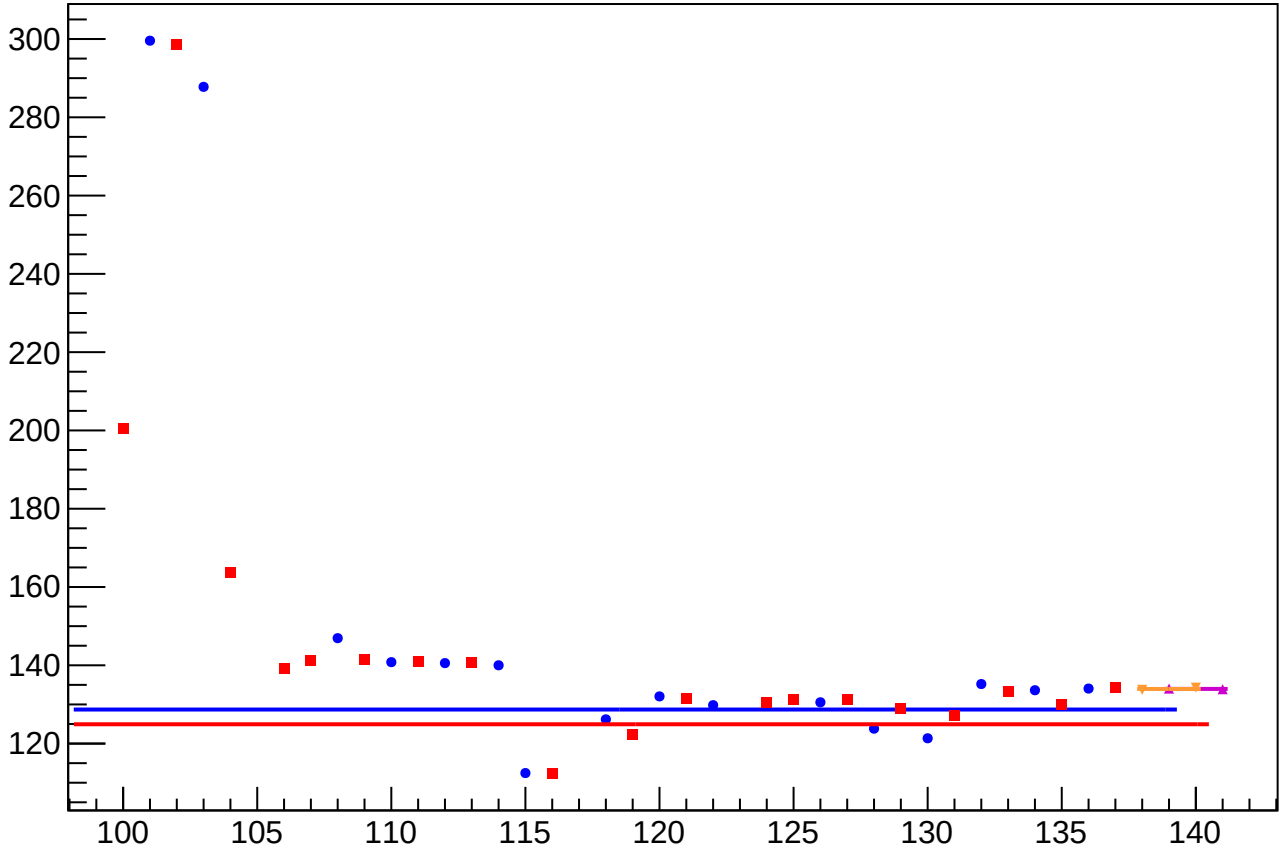
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:12306411.1/17

Out: 0.014+/-0.000 χ^2/NDF:11919376.9/20

All: 0.015+/-0.000 χ^2/NDF: 24226034.2/38

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.954+/-0.000 χ^2/NDF:327106.7/1

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.967+/-0.000 χ^2/NDF:27813.9/1

Left: 133.960+/-0.000 χ^2/NDF: 355268.2/3

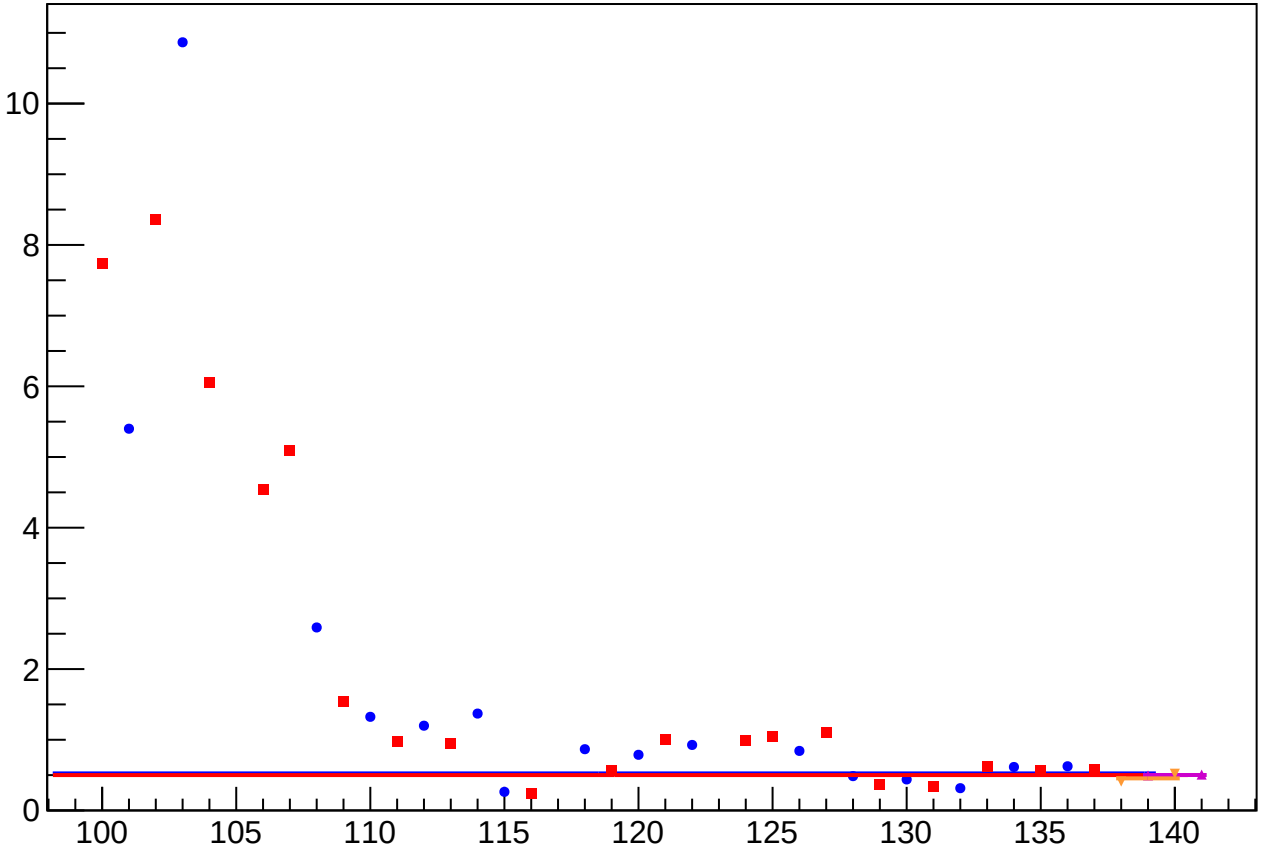
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 129.949+/-0.000 χ^2/NDF:1744092749.2/17

Out: 127.063+/-0.000 χ^2/NDF:1667490534.7/20

All: 128.472+/-0.000 χ^2/NDF: 3486275946.1

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.454+/-0.000 χ^2/NDF:25768.7/1

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.502+/-0.000 χ^2/NDF:309.3/1

Left: 0.477+/-0.000 χ^2/NDF: 35744.9/3

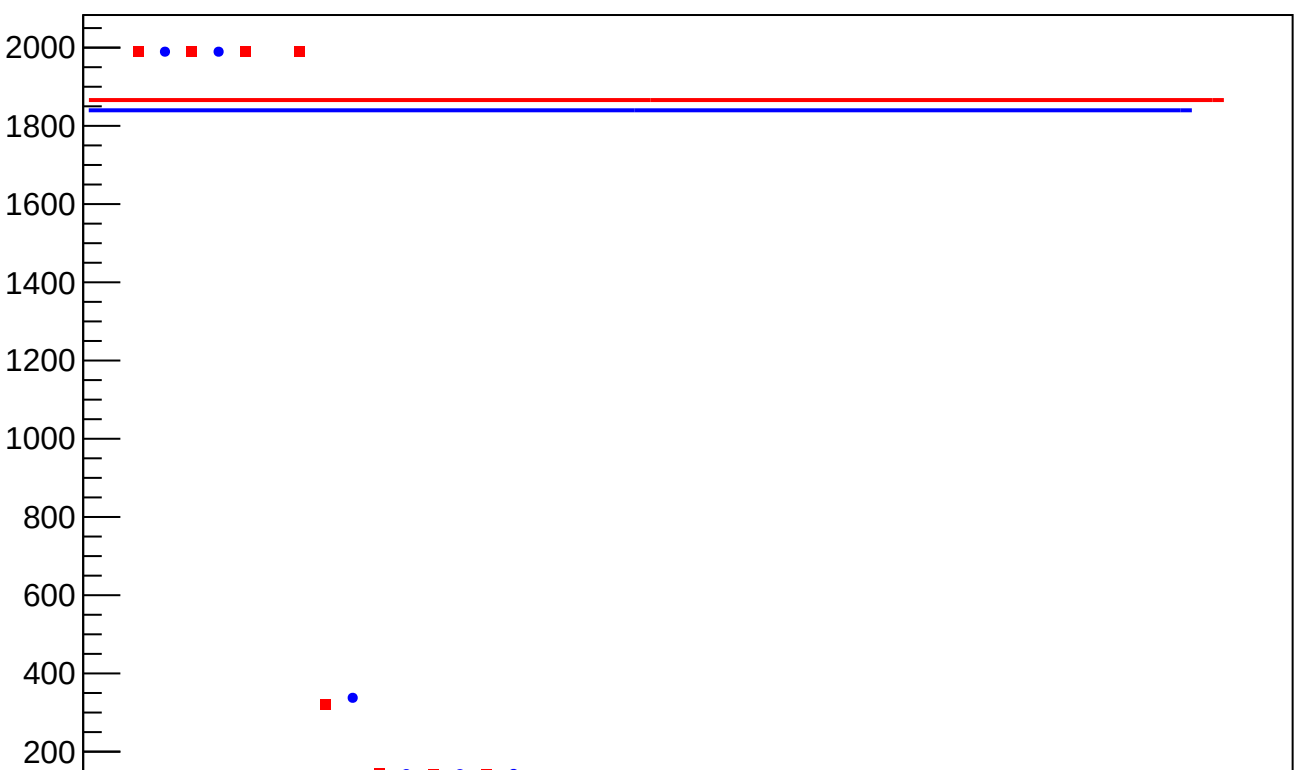
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.519+/-0.000 χ^2/NDF:4141907.6/17

Out: 0.490+/-0.000 χ^2/NDF:4924314.6/20

All: 0.504+/-0.000 χ^2/NDF: 9081517.1/38

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.572+/-0.000 χ^2/NDF:778130.9/1

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.306+/-0.000 χ^2/NDF:967280.8/1

Left: 137.443+/-0.000 χ^2/NDF: 2238244.9/3

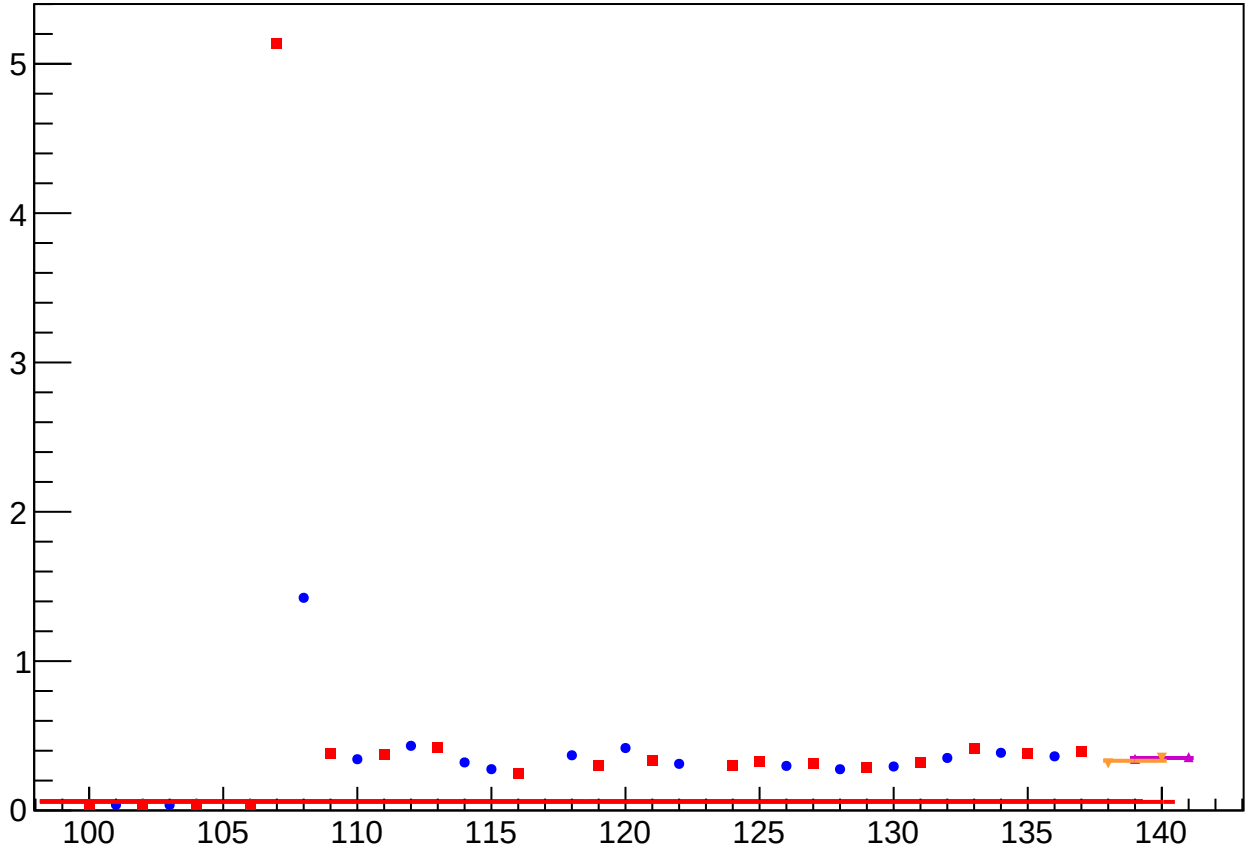
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1800.362+/-0.000 χ^2/NDF:184191685367314.

Out: 1829.652+/-0.000 χ^2/NDF:18456888778798

All: 1816.124+/-0.000 χ^2/NDF: 369030106

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.333+/-0.000 χ^2/NDF:10446.2/1

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.351+/-0.000 χ^2/NDF:946.9/1

Left: 0.342+/-0.000 χ^2/NDF: 16279.2/3

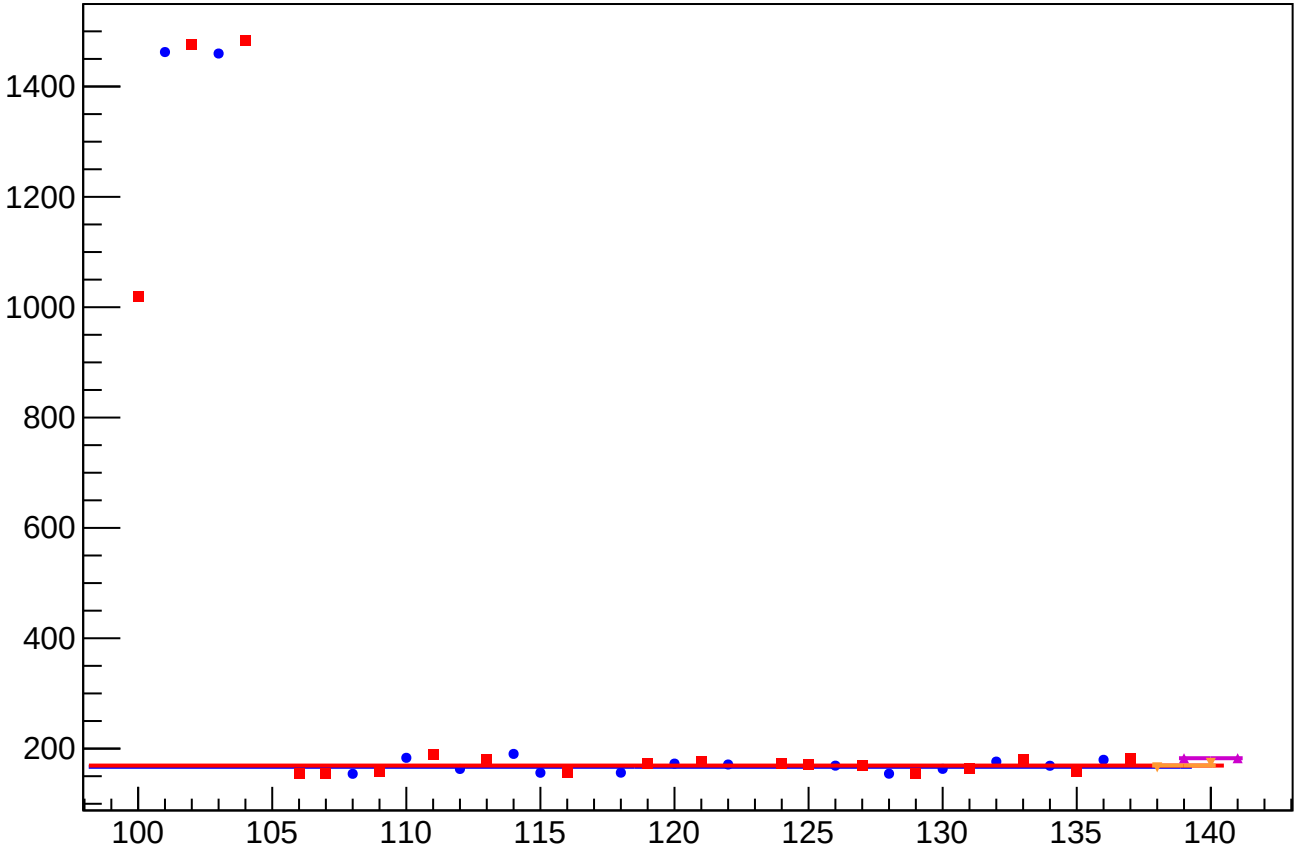
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.068+/-0.000 χ^2/NDF:10390209.5/17

Out: 0.063+/-0.000 χ^2/NDF:9874444.3/20

All: 0.066+/-0.000 χ^2/NDF: 20283014.7/38

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 169.346+/-0.001 χ^2/NDF:23833717.1/1

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 182.589+/-0.001 χ^2/NDF:1335.8/1

Left: 175.637+/-0.001 χ^2/NDF: 146675514.9/3

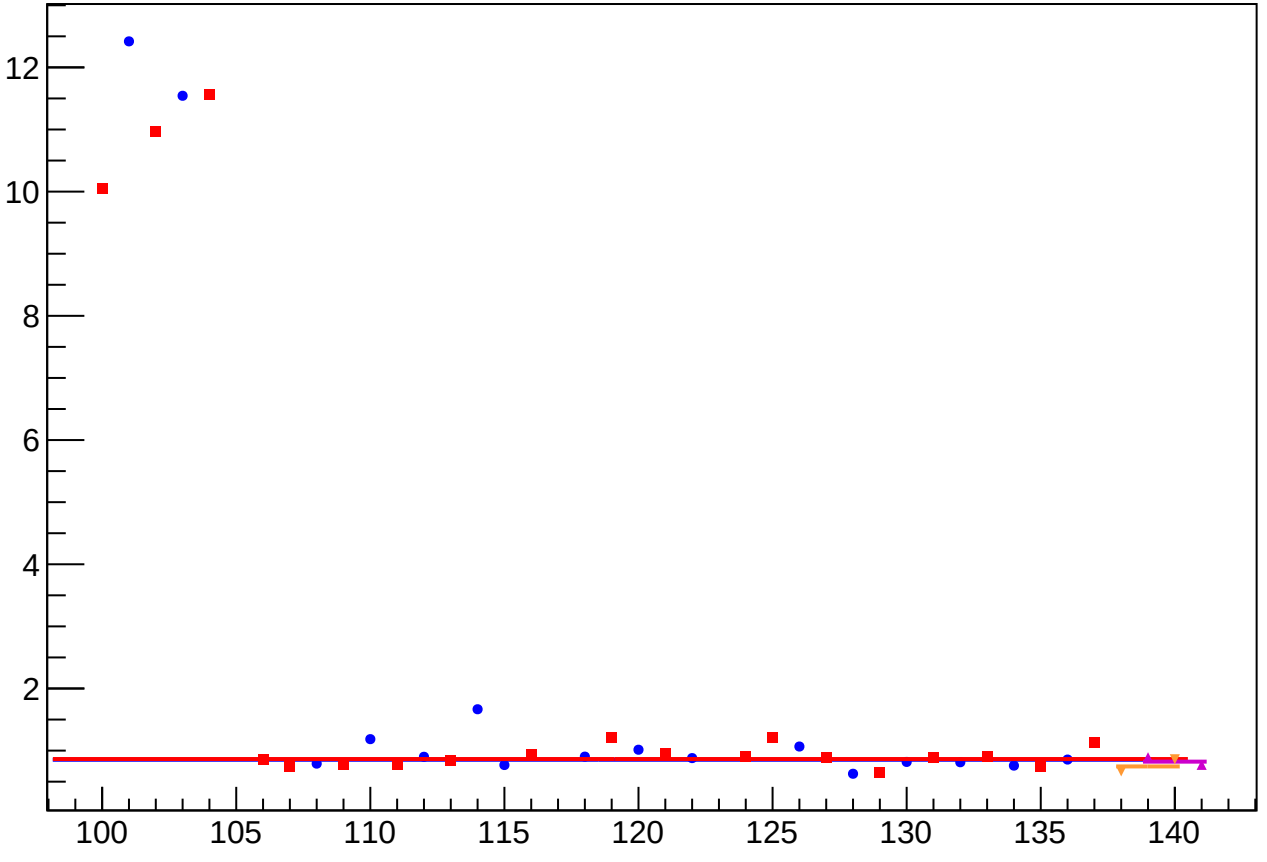
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 170.151+/-0.000 χ^2/NDF:14873437946.0/17

Out: 169.276+/-0.000 χ^2/NDF:16341385892.3/20

All: 169.704+/-0.000 χ^2/NDF: 31217416261.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.745+/-0.001 χ^2/NDF:27083.8/1

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.822+/-0.001 χ^2/NDF:9777.1/1

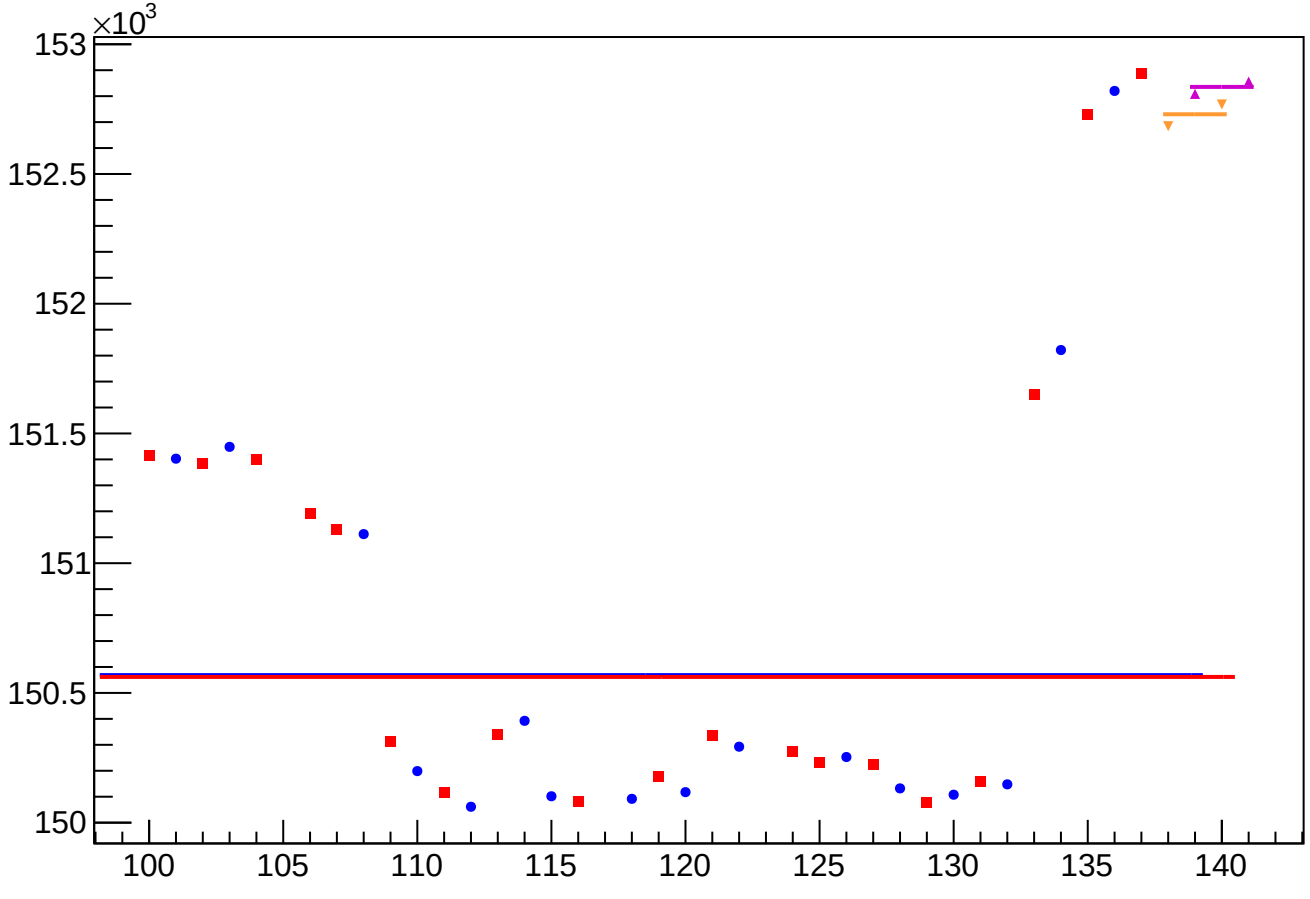
Left: 0.782+/-0.000 χ^2/NDF: 45220.6/3

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

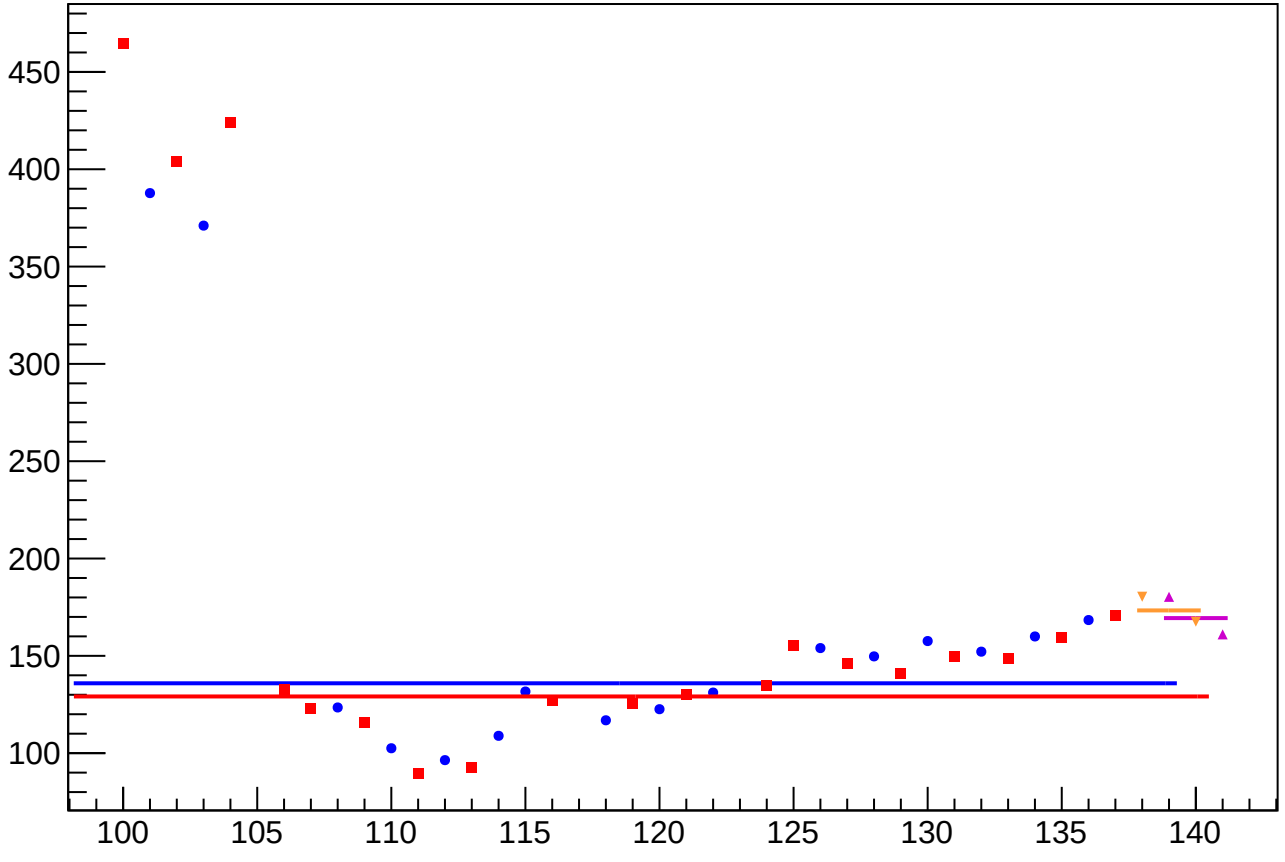
In: 0.847+/-0.000 χ^2/NDF:2314074.6/17

Out: 0.839+/-0.000 χ^2/NDF:2269297.7/20

All: 0.843+/-0.000 χ^2/NDF: 4583794.4/38


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
153
152.5
152
151.5
151
150.5
150
100
105
110
115
120
125
130
135
140
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 152730.173+/-0.138 χ²/NDF:91124.1/1
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 152835.584+/-0.130 χ²/NDF:32542.5/1
Left: 152786.256+/-0.095 χ²/NDF: 432956.2/3
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 150910.191+/-0.050 χ²/NDF:496812324.2/17
Out: 150821.225+/-0.048 χ²/NDF:414163118.5/20
All: 150863.448+/-0.035 χ²/NDF: 91261721

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 173.338+/-0.098 χ^2/NDF:4237.2/1

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 169.395+/-0.092 χ^2/NDF:10871.4/1

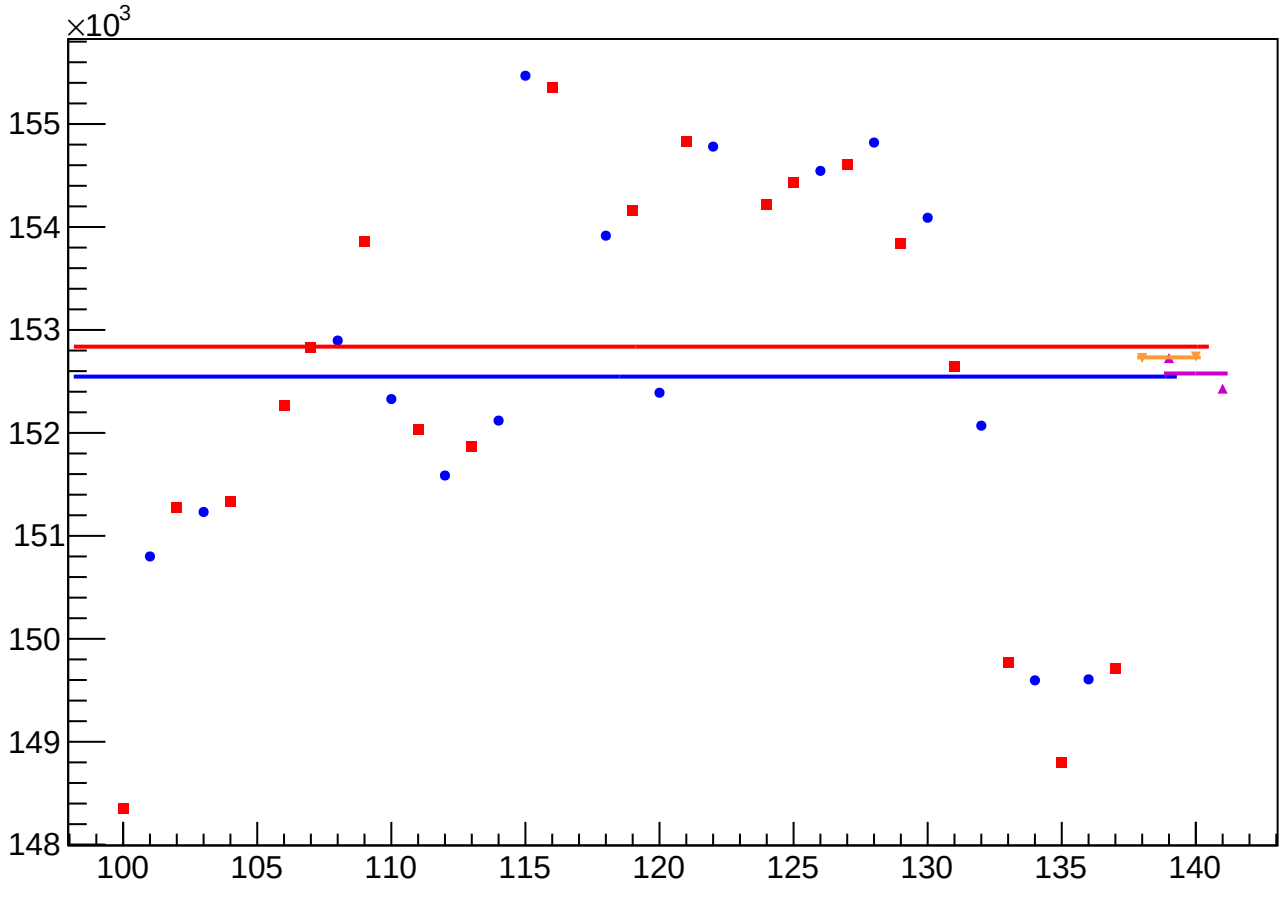
Left: 171.240+/-0.067 χ^2/NDF: 15974.2/3

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 140.943+/-0.036 χ^2/NDF:1540588.2/17

Out: 134.422+/-0.034 χ^2/NDF:1798559.1/20

All: 137.517+/-0.025 χ^2/NDF: 3356788.3/38



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152733.369+/-0.146 χ^2/NDF:2592.6/1

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 152577.162+/-0.146 χ^2/NDF:1028613.8/1

Left: 152655.287+/-0.103 χ^2/NDF: 1600901.6/3

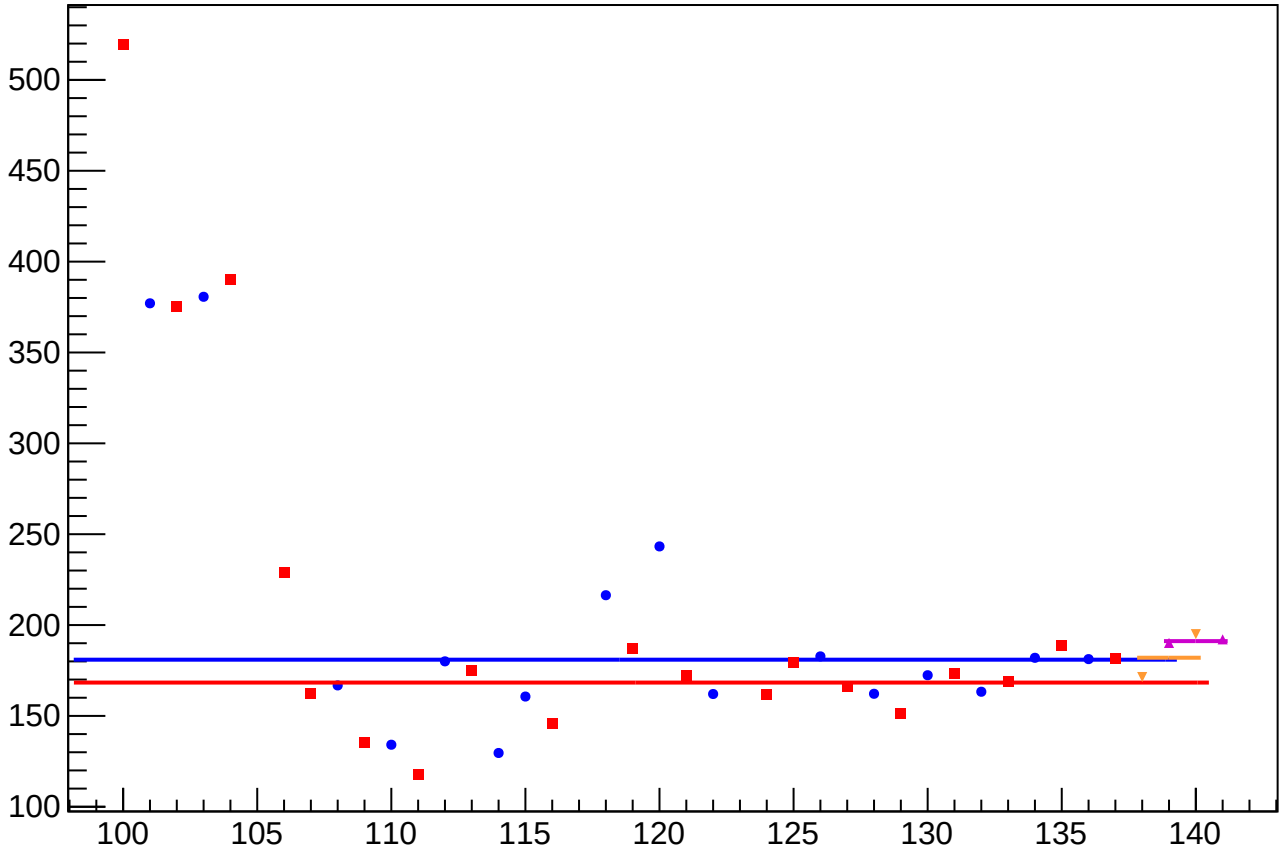
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152552.877+/-0.065 χ^2/NDF:655603481.7/17

Out: 152819.924+/-0.061 χ^2/NDF:737332205.5/20

All: 152695.710+/-0.044 χ^2/NDF: 14019499

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 182.018+/-0.103 χ^2/NDF:12872.4/1

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 191.163+/-0.103 χ^2/NDF:90.9/1

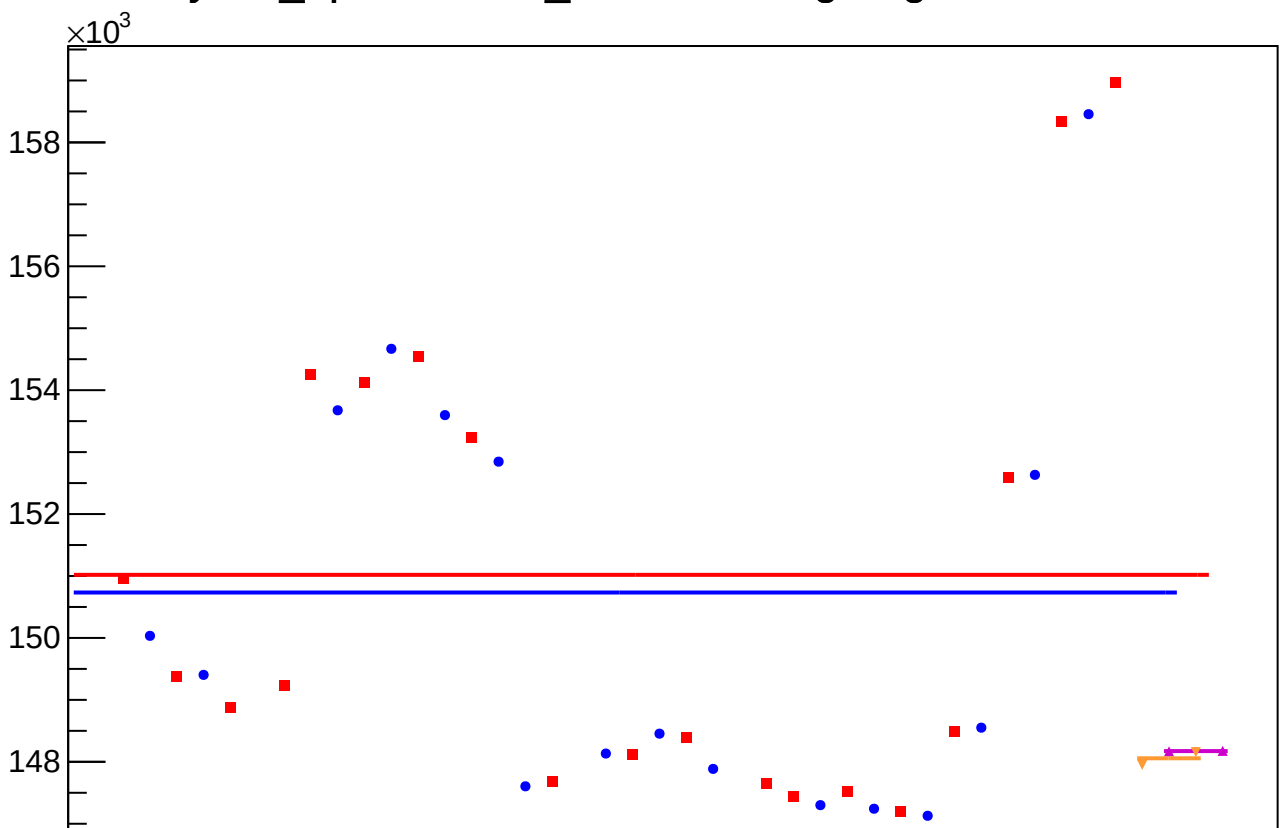
Left: 186.589+/-0.073 χ^2/NDF: 16868.5/3

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 182.958+/-0.046 χ^2/NDF:915680.8/17

Out: 170.698+/-0.043 χ^2/NDF:1116415.4/20

All: 176.401+/-0.031 χ^2/NDF: 2070092.6/38



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148056.917+/-0.144 χ^2/NDF:512326.3/1

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 148173.306+/-0.137 χ^2/NDF:933.4/1

Left: 148118.144+/-0.099 χ^2/NDF: 856190.2/3

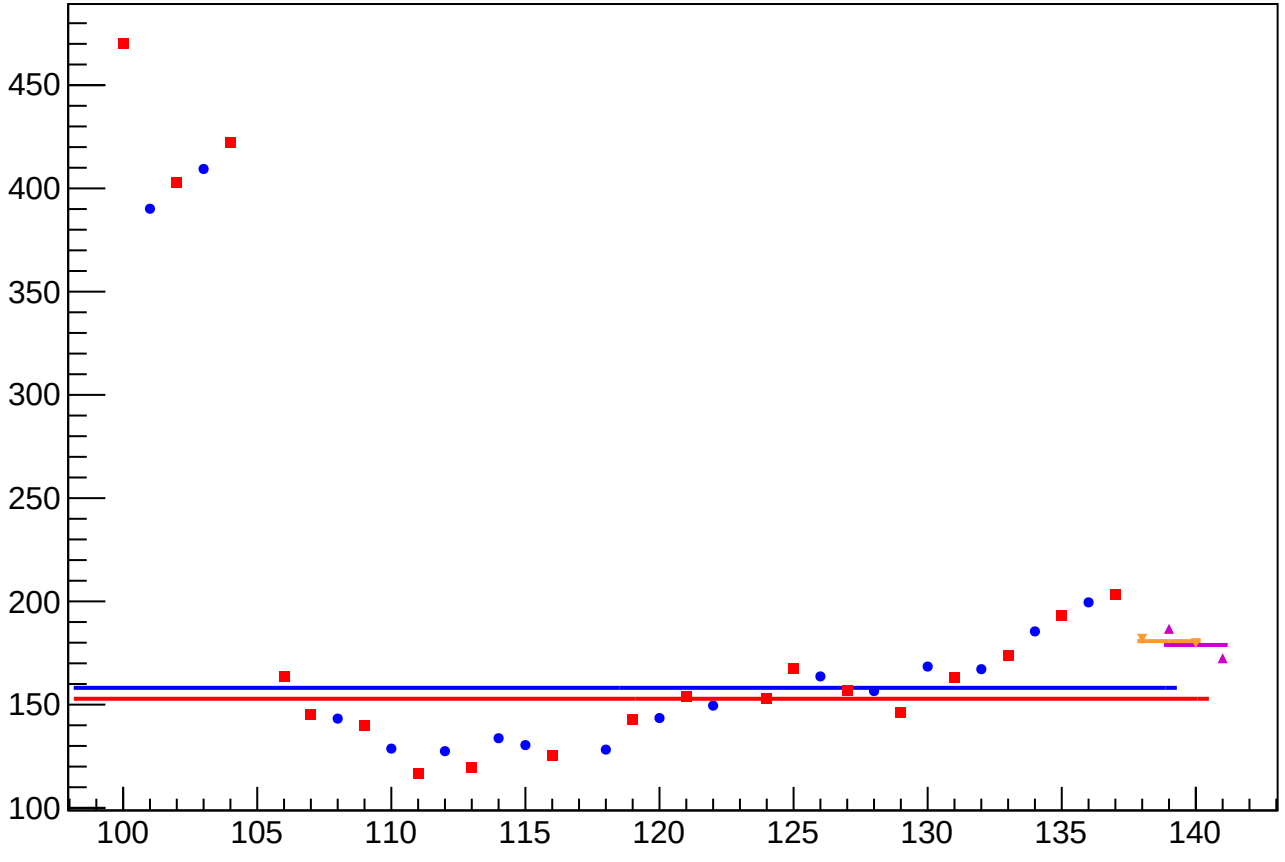
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150286.699+/-0.057 χ^2/NDF:3572835977.2/17

Out: 150580.496+/-0.055 χ^2/NDF:3646305196.6/2

All: 150438.065+/-0.040 χ^2/NDF: 72327572

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 180.760+/-0.102 χ^2/NDF:107.7/1

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 178.899+/-0.097 χ^2/NDF:5364.5/1

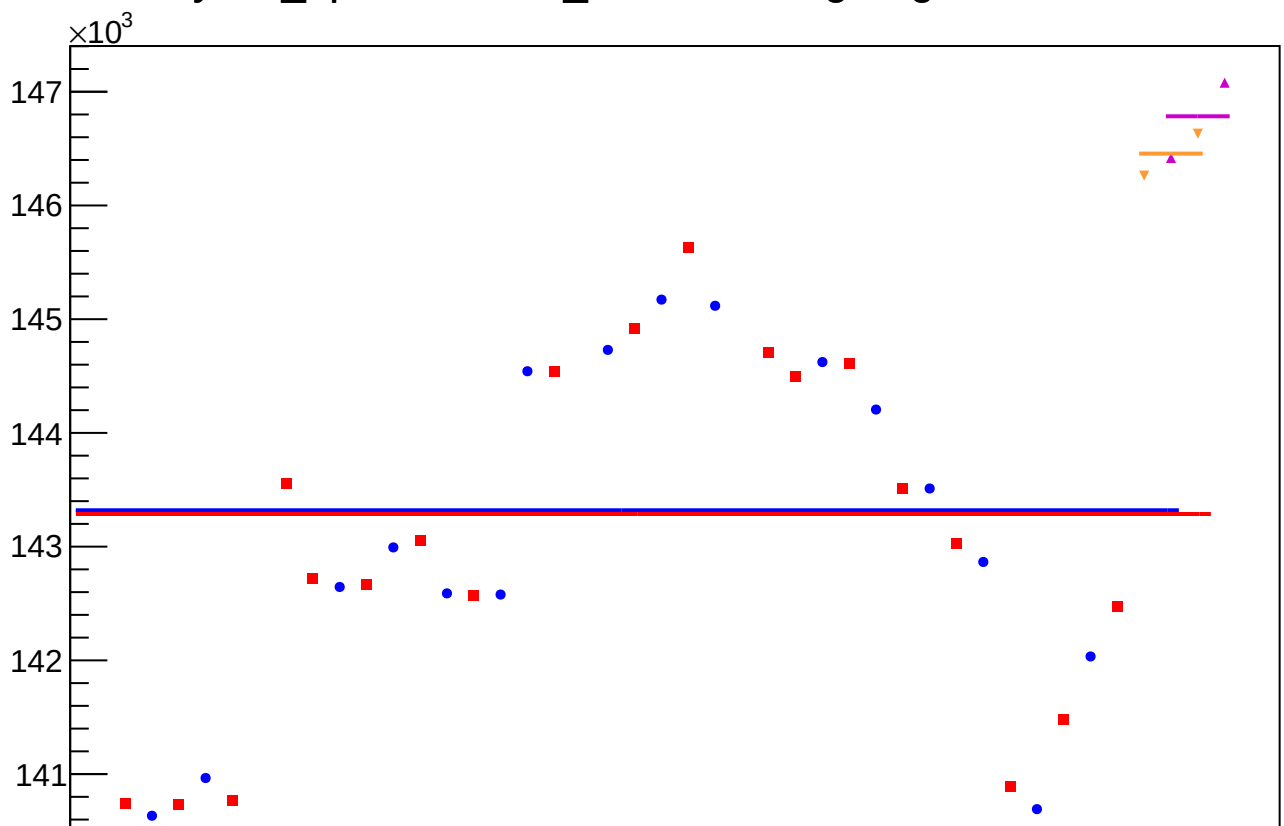
Left: 179.781+/-0.070 χ^2/NDF: 5647.6/3

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 161.760+/-0.040 χ^2/NDF:1239076.2/17

Out: 156.970+/-0.039 χ^2/NDF:1328268.7/20

All: 159.292+/-0.028 χ^2/NDF: 2574582.0/38



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146456.095+/-0.143 χ^2/NDF:1660798.9/1

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 146784.069+/-0.135 χ^2/NDF:5949951.8/1

Left: 146629.501+/-0.098 χ^2/NDF: 10398400.5/3

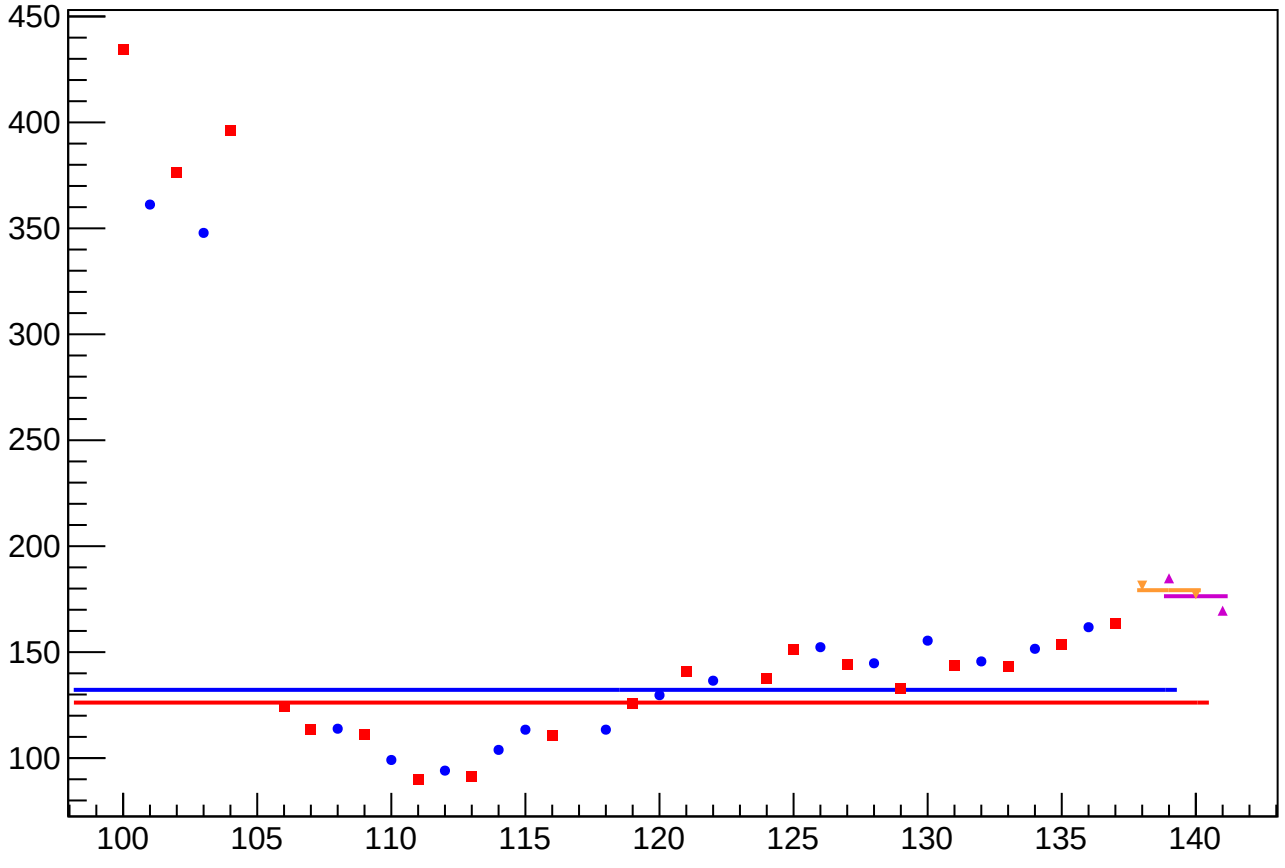
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 143785.069+/-0.049 χ^2/NDF:1136581620.3/17

Out: 143629.303+/-0.047 χ^2/NDF:1061288896.4/2

All: 143703.177+/-0.034 χ^2/NDF: 22030918

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 179.235+/-0.101 χ^2/NDF:407.0/1

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 176.389+/-0.095 χ^2/NDF:6350.4/1

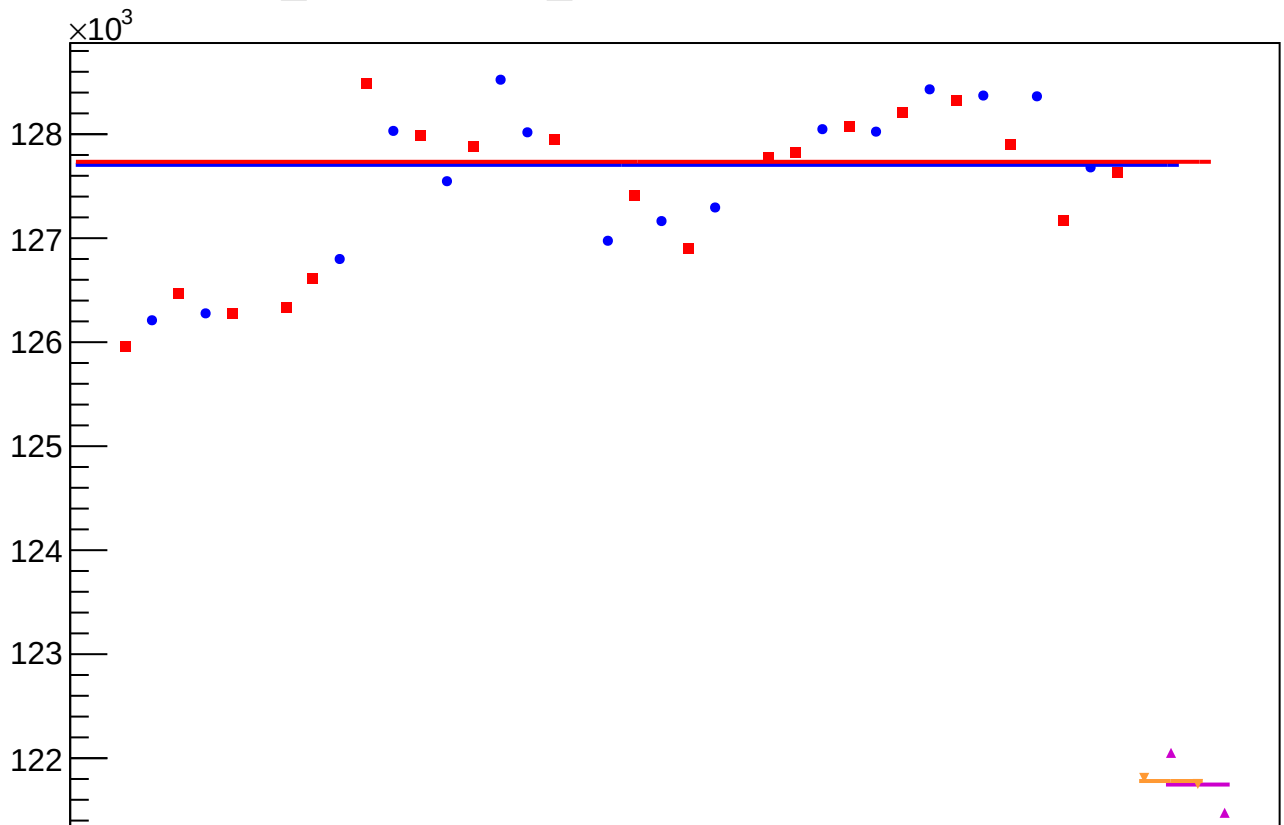
Left: 177.730+/-0.069 χ^2/NDF: 7177.3/3

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 138.140+/-0.035 χ^2/NDF:1571384.4/17

Out: 131.921+/-0.033 χ^2/NDF:1791470.1/20

All: 134.871+/-0.024 χ^2/NDF: 3379499.8/38



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121780.451+/-0.127 χ^2/NDF:52704.9/1

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 121746.469+/-0.120 χ^2/NDF:5742424.9/1

Left: 121762.467+/-0.087 χ^2/NDF: 5832865.7/3

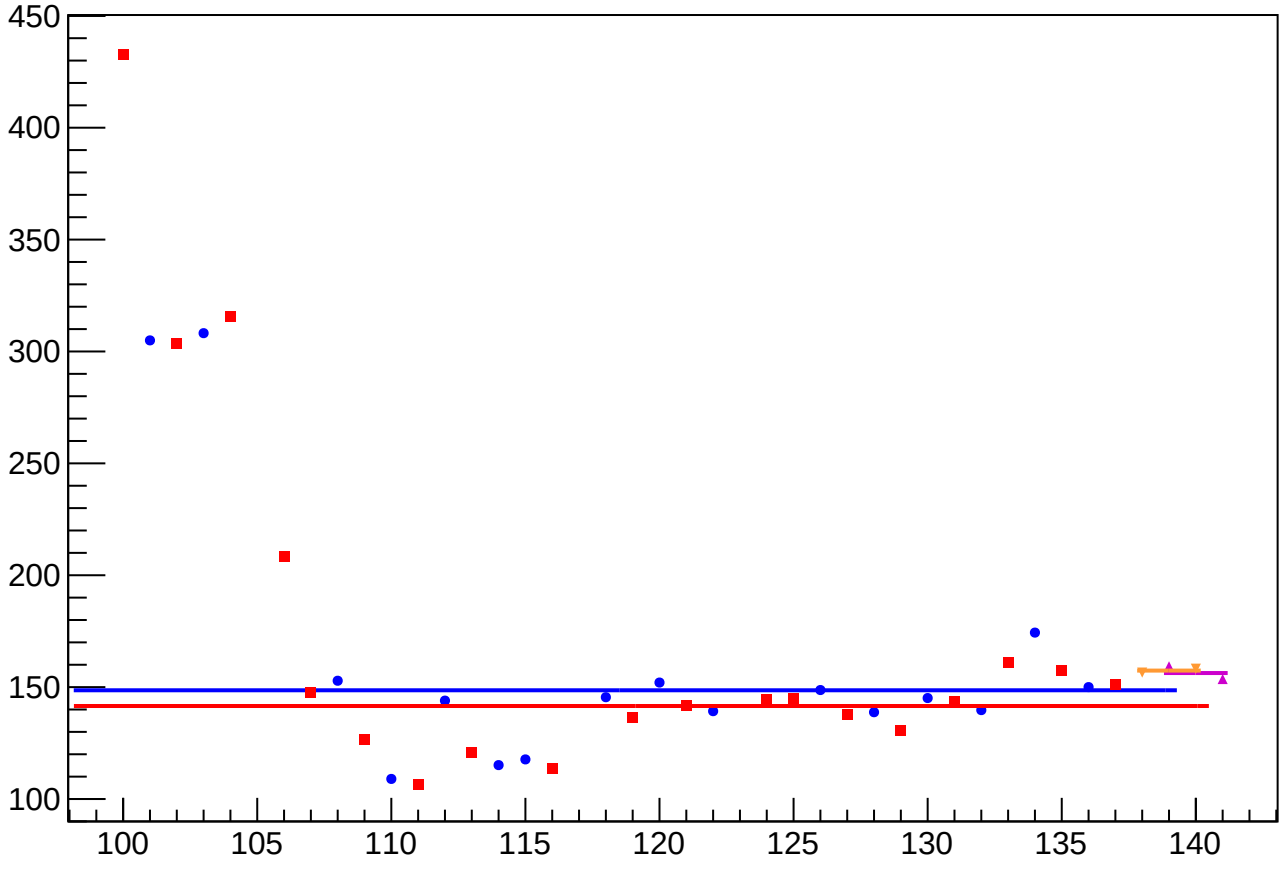
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 126564.056+/-0.053 χ^2/NDF:2102889074.5/17

Out: 126799.937+/-0.050 χ^2/NDF:1954919804.1/2

All: 126686.820+/-0.036 χ^2/NDF: 40683048

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 157.392+/-0.090 χ^2/NDF:93.1/1

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 156.298+/-0.085 χ^2/NDF:1119.5/1

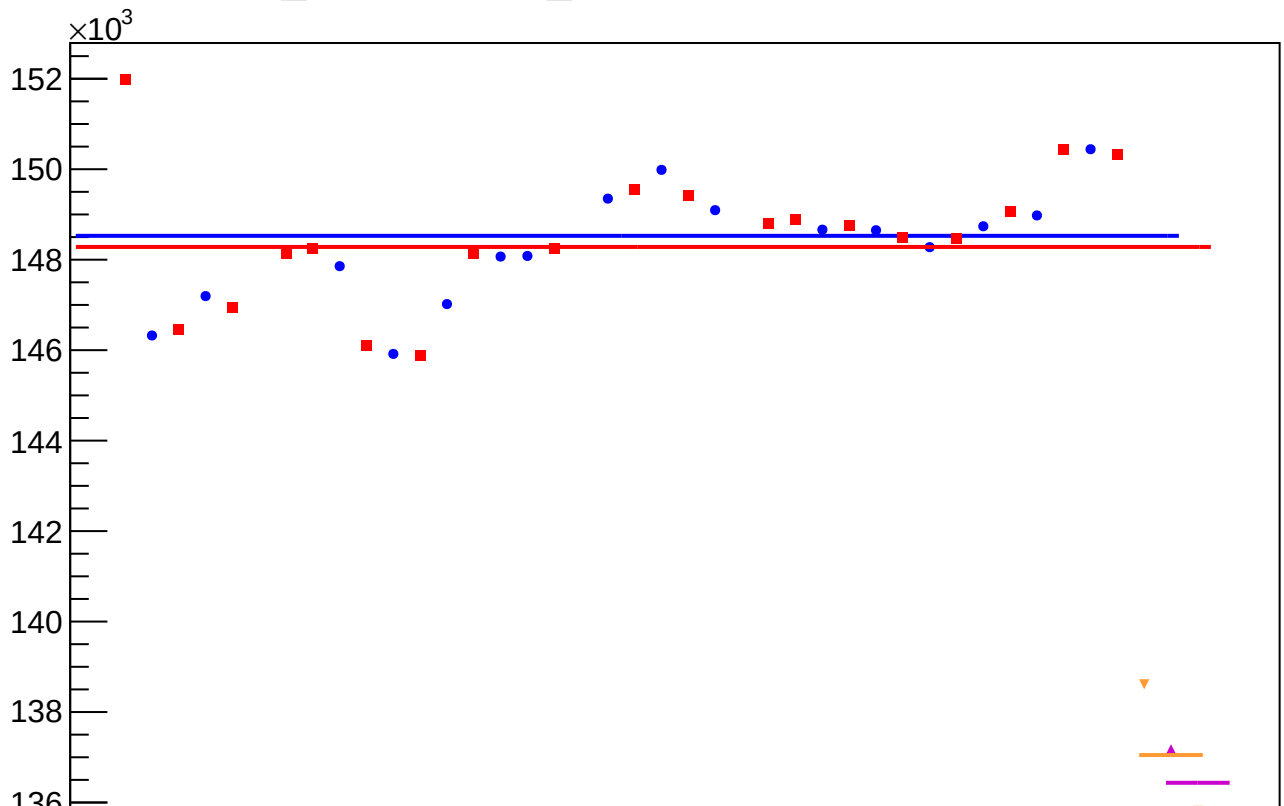
Left: 156.813+/-0.062 χ^2/NDF: 1290.9/3

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 150.069+/-0.037 χ^2/NDF:835483.8/17

Out: 144.048+/-0.036 χ^2/NDF:1027403.6/20

All: 146.935+/-0.026 χ^2/NDF: 1876564.0/38



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 137049.598+/-0.184 χ^2/NDF:56746013.7/1

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 136436.198+/-0.168 χ^2/NDF:17346779.2/1

Left: 136715.102+/-0.124 χ^2/NDF: 80124203.2/3

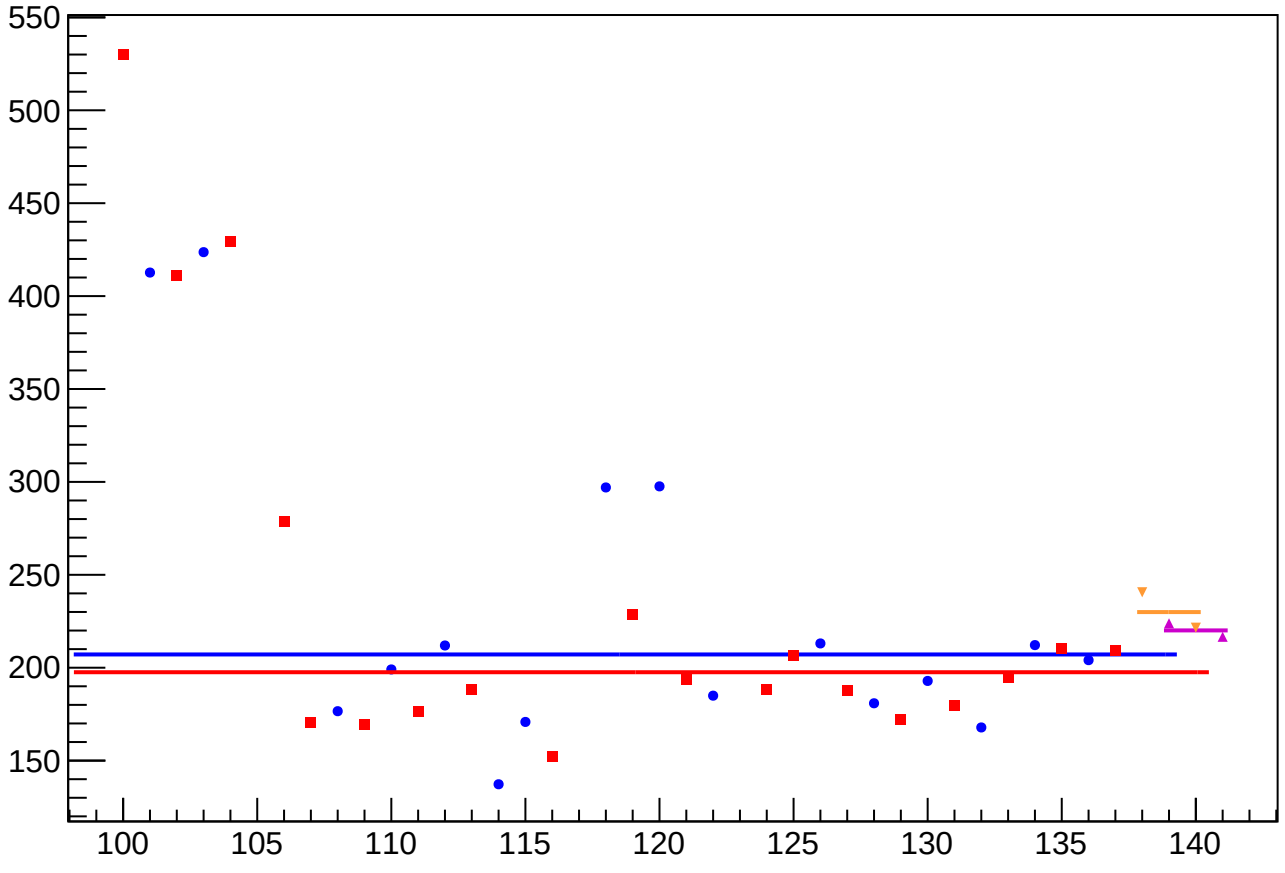
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 146213.339+/-0.074 χ^2/NDF:4394408517.9/17

Out: 146629.437+/-0.071 χ^2/NDF:3514528033.1/2

All: 146429.844+/-0.051 χ^2/NDF: 792553008

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 229.945+/-0.130 χ^2/NDF:5264.0/1

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 220.077+/-0.119 χ^2/NDF:923.8/1

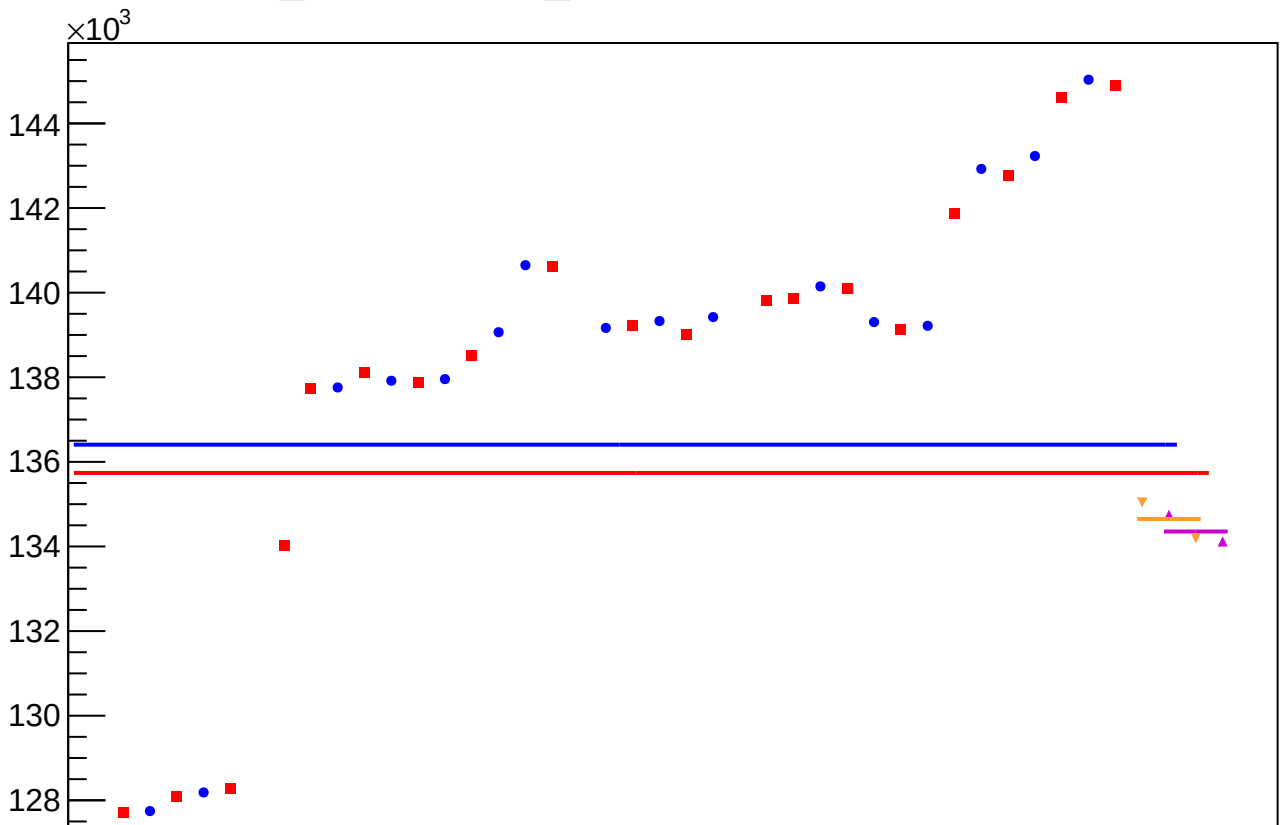
Left: 224.563+/-0.088 χ^2/NDF: 9309.6/3

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 209.612+/-0.052 χ^2/NDF:982690.1/17

Out: 202.334+/-0.050 χ^2/NDF:961813.8/20

All: 205.825+/-0.036 χ^2/NDF: 1954657.2/38



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134649.801+/-0.420 χ^2/NDF:1011213.5/1

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 134353.931+/-0.394 χ^2/NDF:600089.9/1

Left: 134492.327+/-0.287 χ^2/NDF: 1875477.9/3

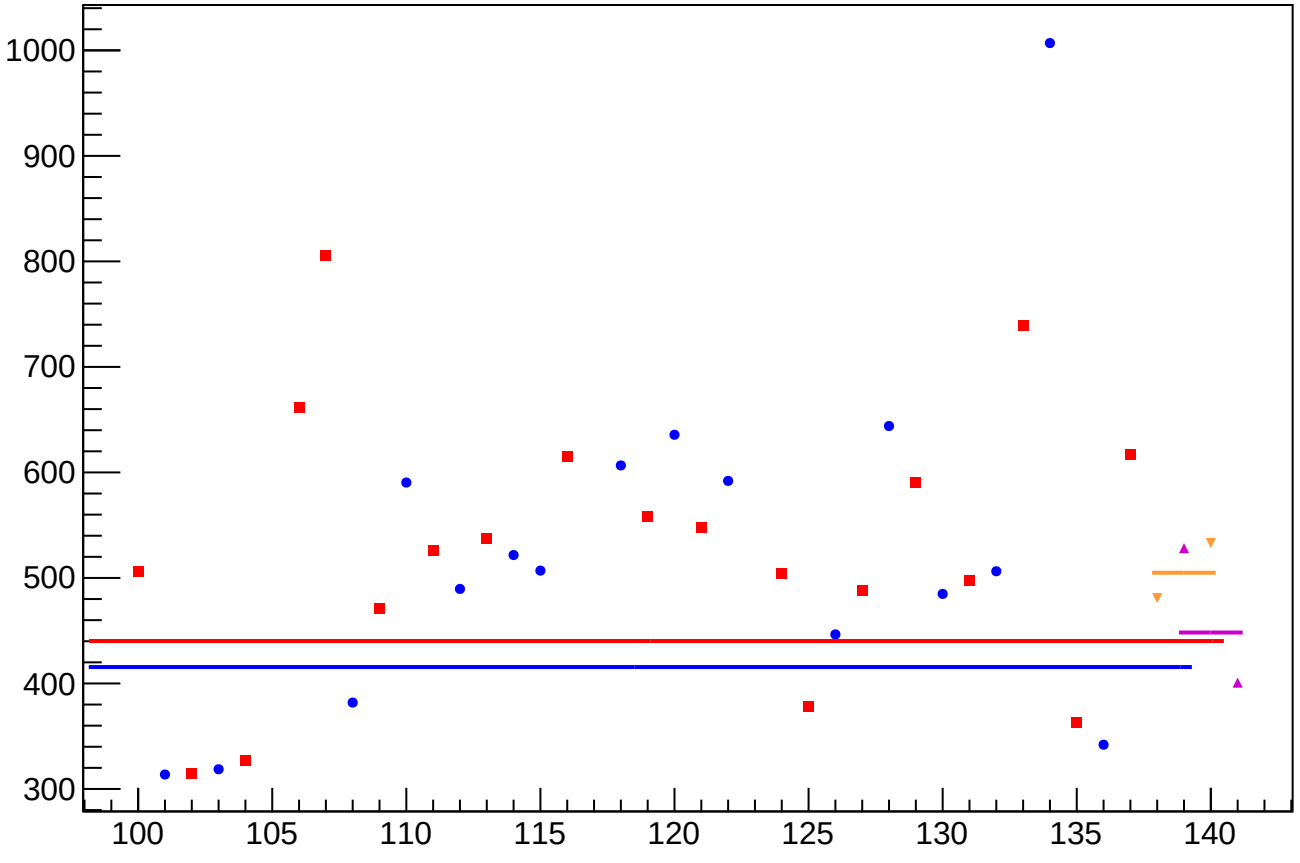
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 136088.843+/-0.155 χ^2/NDF:1600650205.7/17

Out: 135574.723+/-0.163 χ^2/NDF:1180844058.5/2

All: 135844.524+/-0.112 χ^2/NDF: 27867247

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 504.927+/-0.297 χ^2/NDF:7695.4/1

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 448.264+/-0.278 χ^2/NDF:48966.4/1

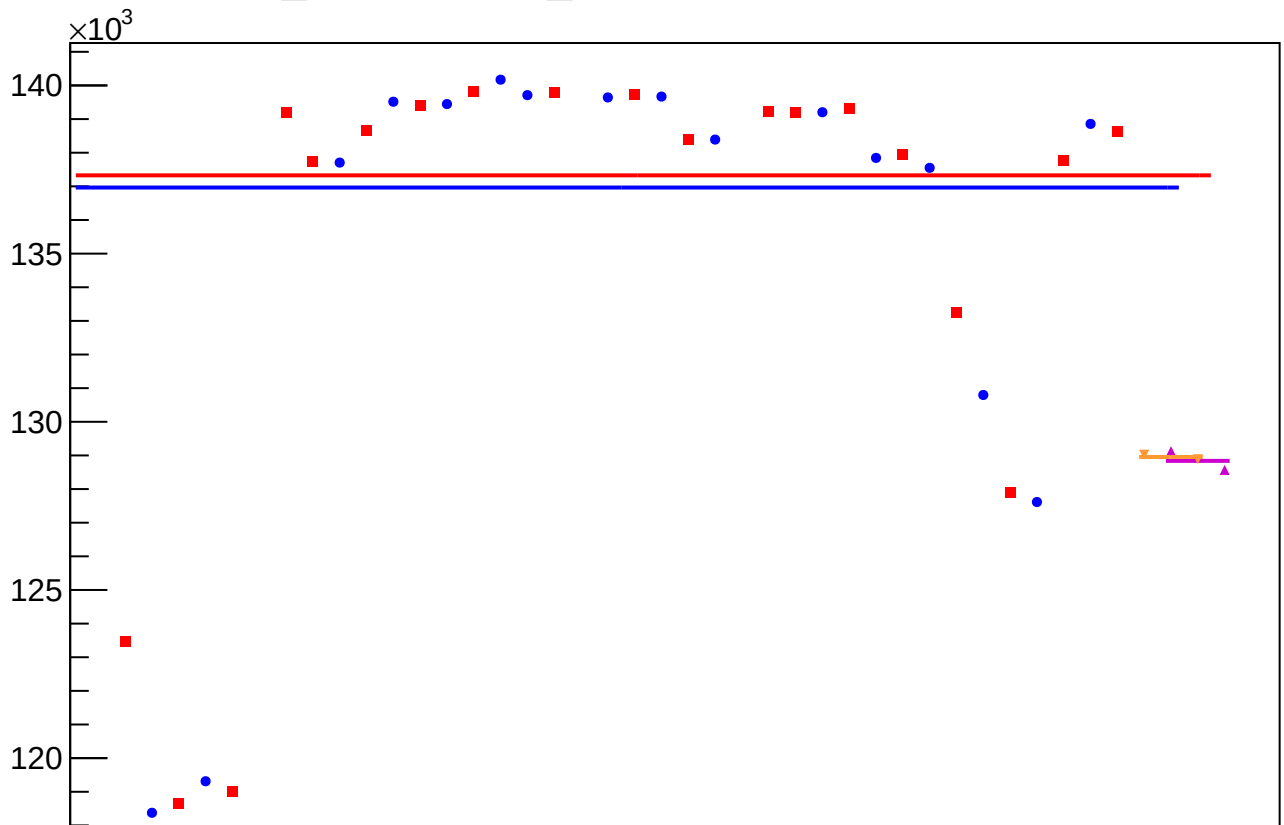
Left: 474.769+/-0.203 χ^2/NDF: 76040.9/3

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 420.616+/-0.110 χ^2/NDF:1092238.2/17

Out: 449.948+/-0.115 χ^2/NDF:958830.0/20

All: 434.555+/-0.079 χ^2/NDF: 2085117.5/38



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128953.845+/-0.137 χ^2/NDF:245316.1/1

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 128838.202+/-0.133 χ^2/NDF:4370733.1/1

Left: 128894.574+/-0.095 χ^2/NDF: 4982938.3/3

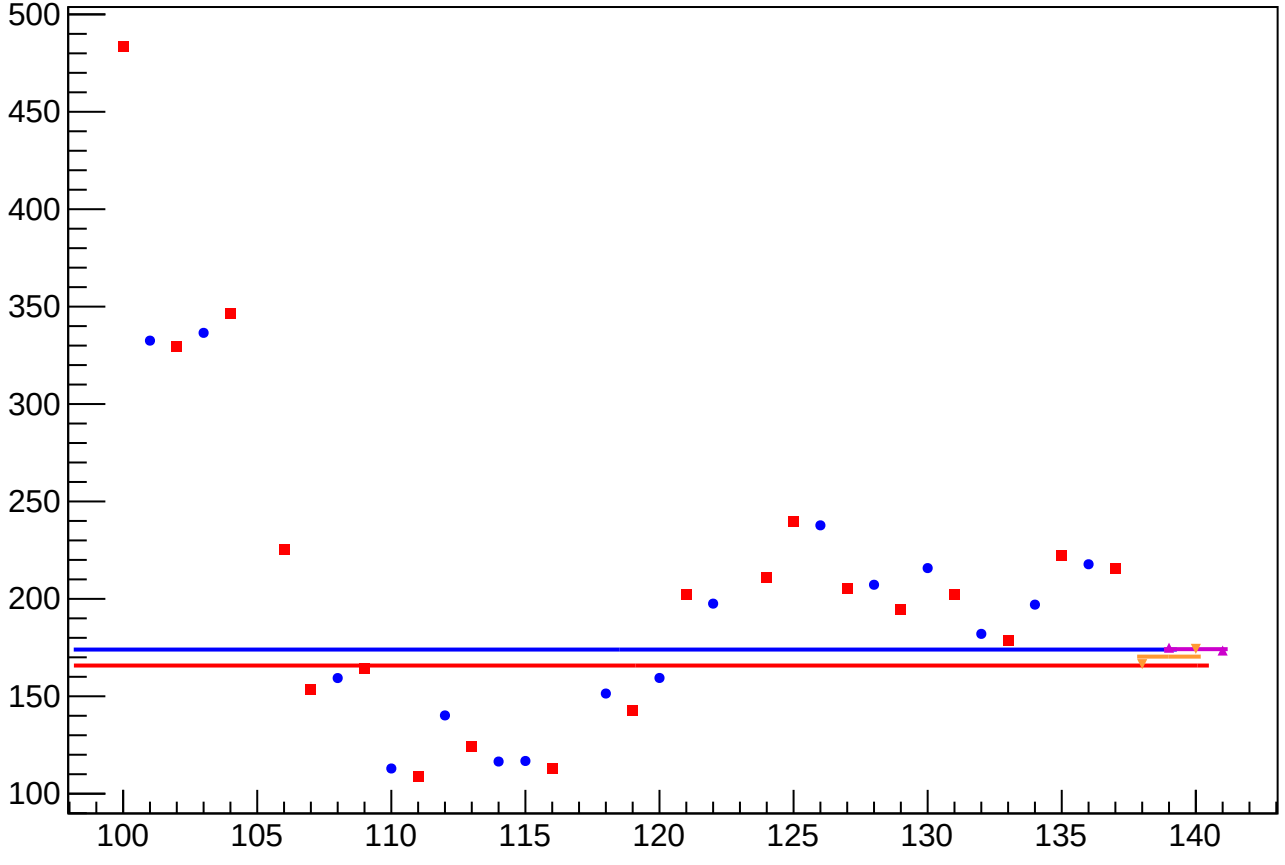
Right: 137157.181+/-0.048 χ^2/NDF: 1559848727.

In: 135218.997+/-0.062 χ^2/NDF:8730546721.0/17

Out: 135758.648+/-0.059 χ^2/NDF:8788022854.9/2

All: 135500.520+/-0.043 χ^2/NDF: 17558367

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 170.356+/-0.097 χ^2/NDF:1650.8/1

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 174.192+/-0.094 χ^2/NDF:59.0/1

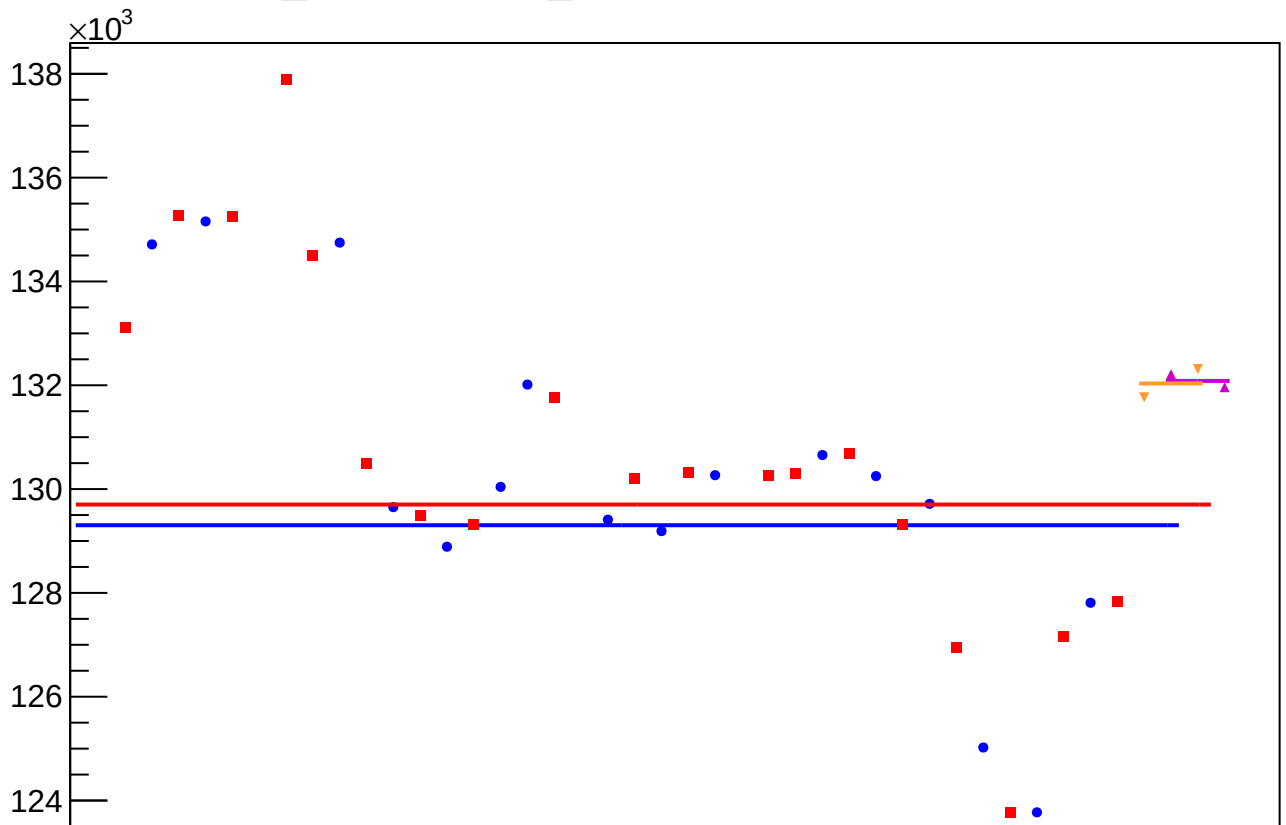
Left: 172.322+/-0.067 χ^2/NDF: 2517.6/3

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 174.027+/-0.044 χ^2/NDF:1188556.0/17

Out: 166.638+/-0.042 χ^2/NDF:1436634.2/20

All: 170.172+/-0.030 χ^2/NDF: 2640114.4/38



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132034.880+/-0.134 χ^2/NDF:4130763.7/1

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132083.984+/-0.130 χ^2/NDF:915437.1/1

Left: 132060.186+/-0.093 χ^2/NDF: 5115263.4/3

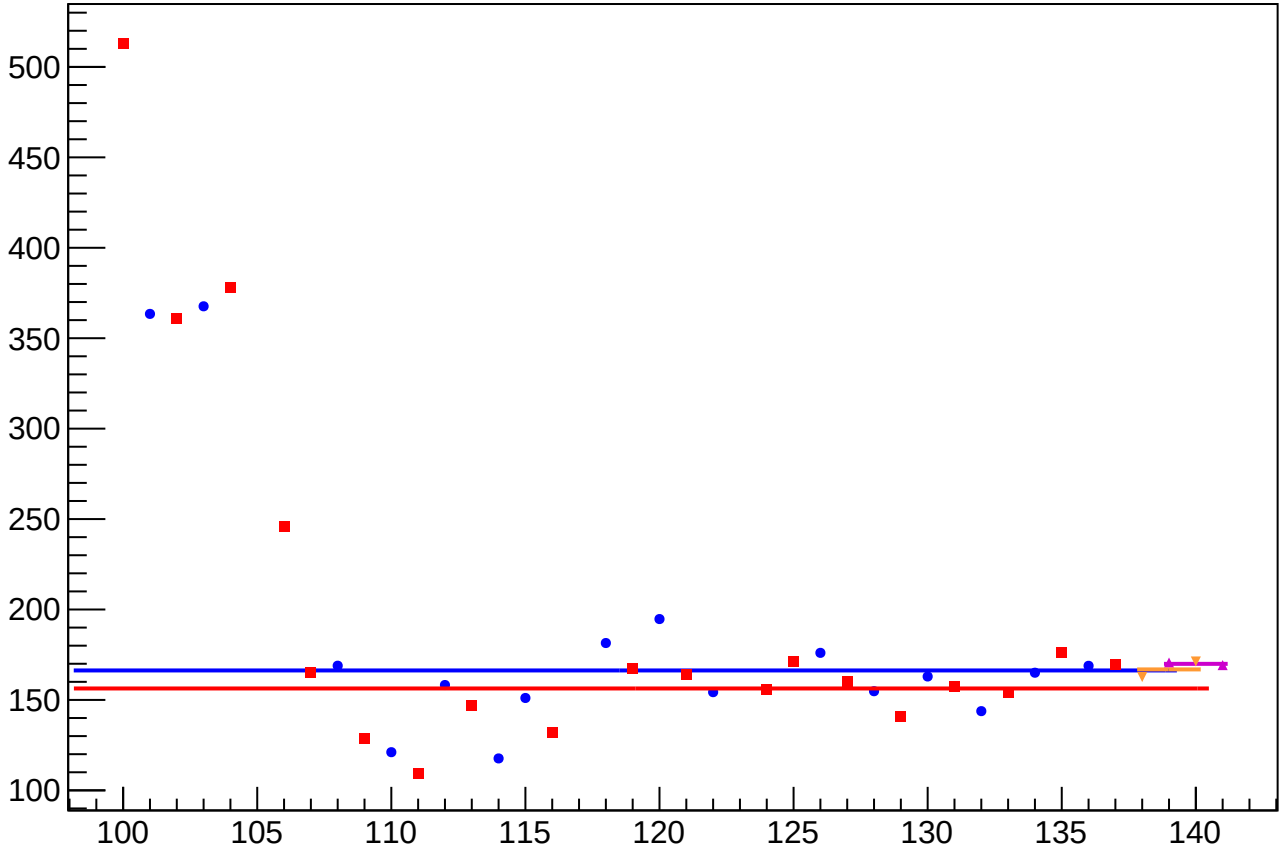
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 129875.837+/-0.059 χ^2/NDF:2013963634.7/17

Out: 130108.144+/-0.056 χ^2/NDF:2031605396.9/2

All: 129998.178+/-0.041 χ^2/NDF: 405373362

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 166.872+/-0.095 χ^2/NDF:2046.0/1

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 169.946+/-0.092 χ^2/NDF:58.7/1

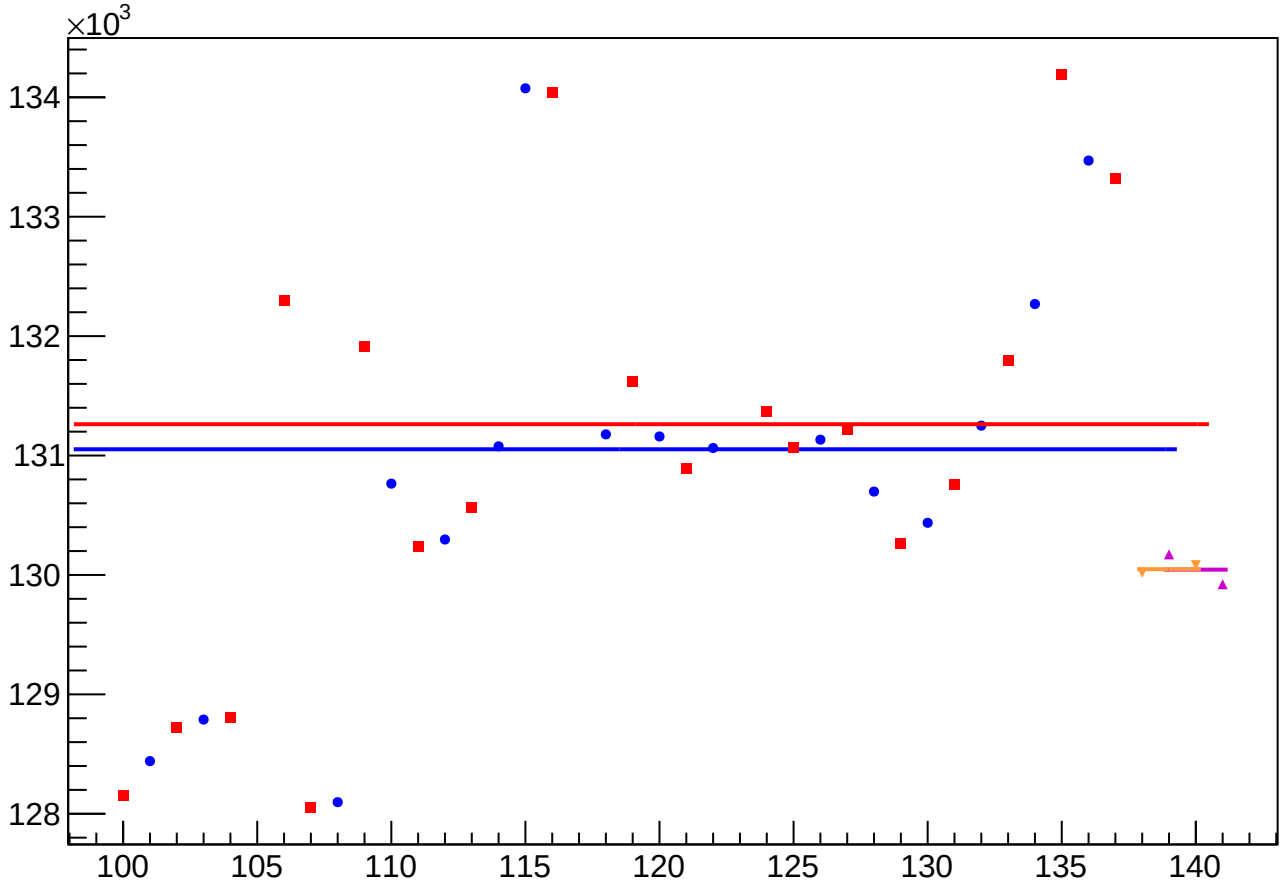
Left: 168.456+/-0.066 χ^2/NDF: 2646.2/3

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 167.052+/-0.042 χ^2/NDF:939253.0/17

Out: 158.167+/-0.040 χ^2/NDF:1185077.4/20

All: 162.373+/-0.029 χ^2/NDF: 2148220.0/38



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 130048.287+/-0.129 χ^2/NDF:60561.1/1

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 130044.419+/-0.126 χ^2/NDF:985340.1/1

Left: 130046.314+/-0.090 χ^2/NDF: 1046362.1/3

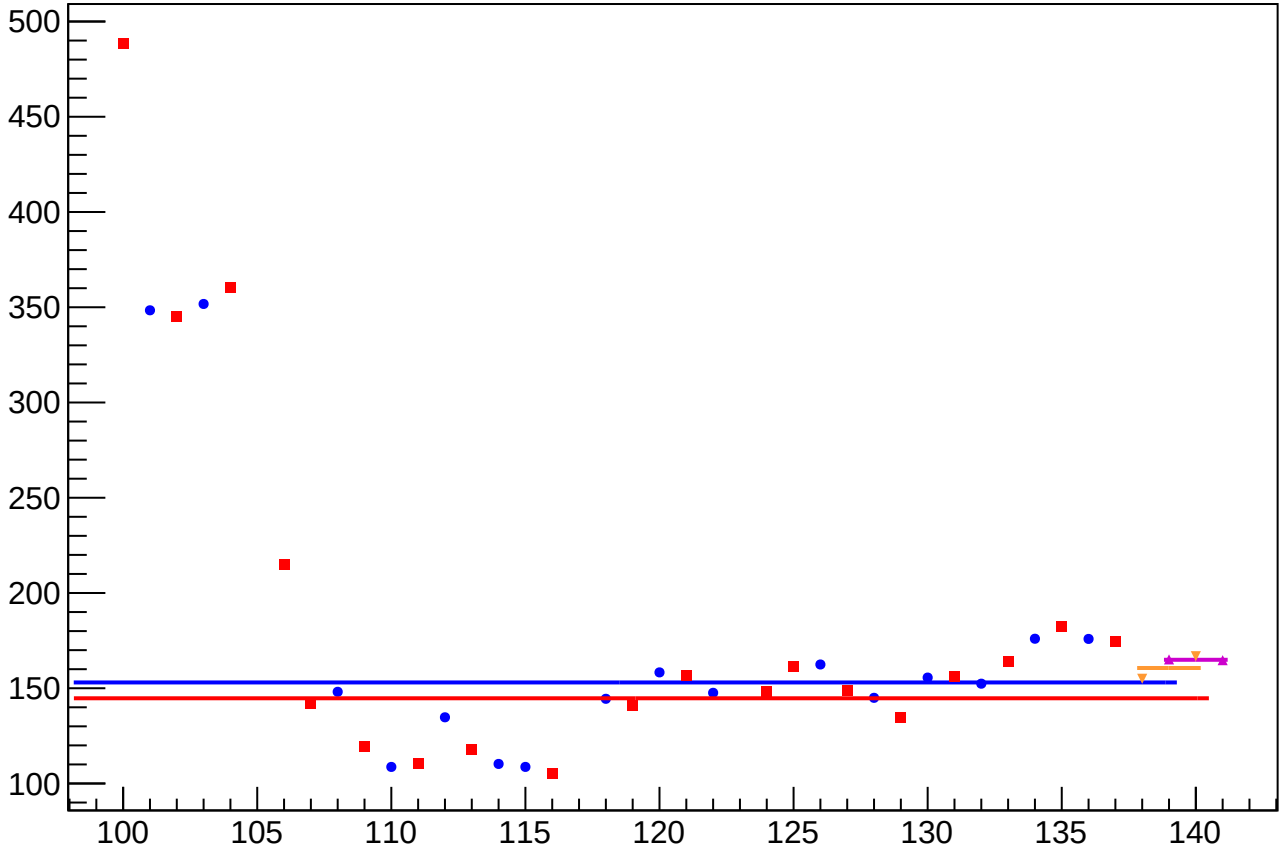
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130863.069+/-0.055 χ^2/NDF:576603333.9/17

Out: 131064.984+/-0.052 χ^2/NDF:678914044.7/20

All: 130969.316+/-0.038 χ^2/NDF: 12627006

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 160.629+/-0.091 χ^2/NDF:4219.9/1

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 164.937+/-0.089 χ^2/NDF:5.4/1

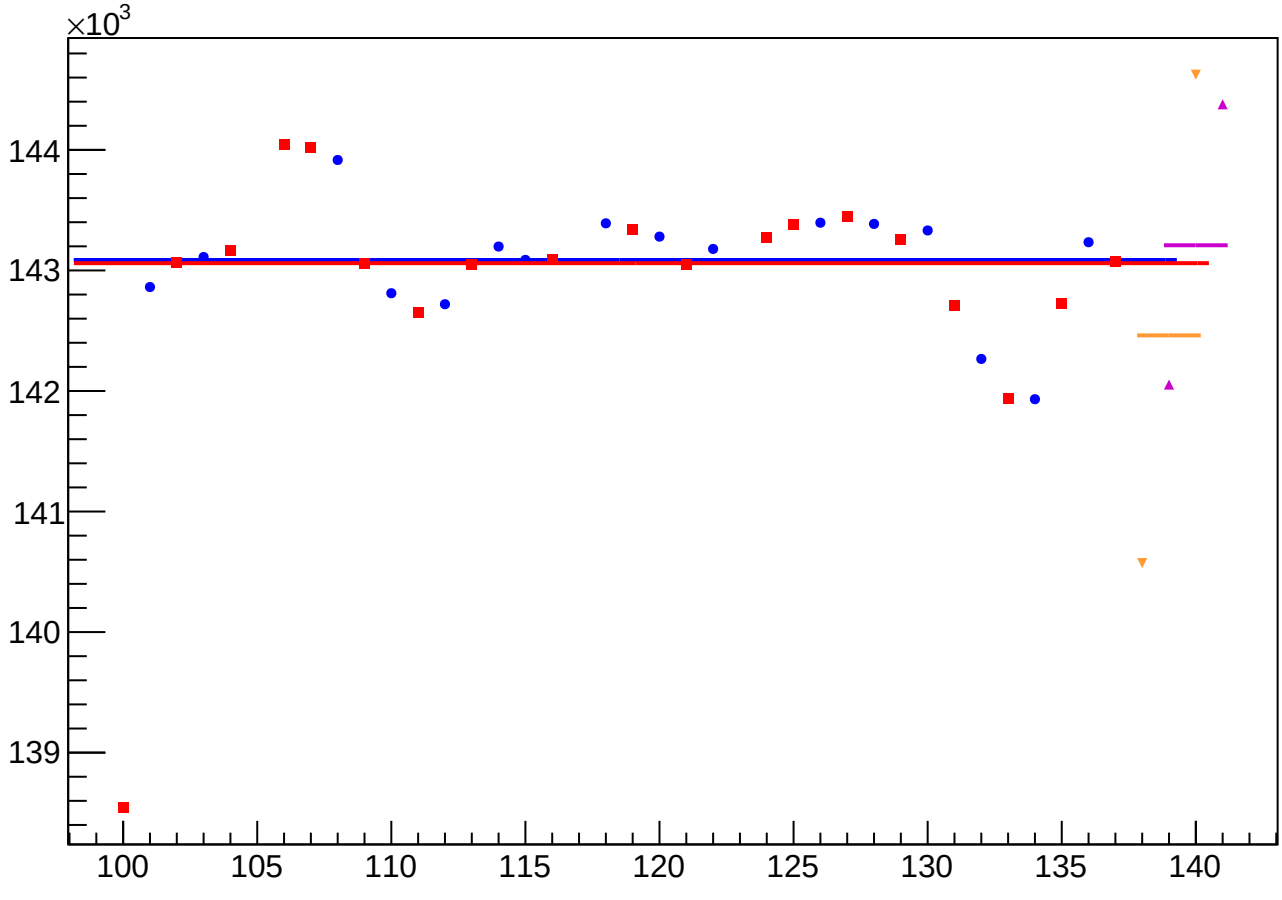
Left: 162.826+/-0.064 χ^2/NDF: 5369.4/3

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 155.277+/-0.039 χ^2/NDF:1073930.2/17

Out: 147.314+/-0.037 χ^2/NDF:1293224.1/20

All: 151.087+/-0.027 χ^2/NDF: 2389499.6/38



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 142461.245+/-0.152 χ^2/NDF:177719404.7/1

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 143208.876+/-0.147 χ^2/NDF:62909951.2/1

Left: 142847.725+/-0.105 χ^2/NDF: 253198310.6/3

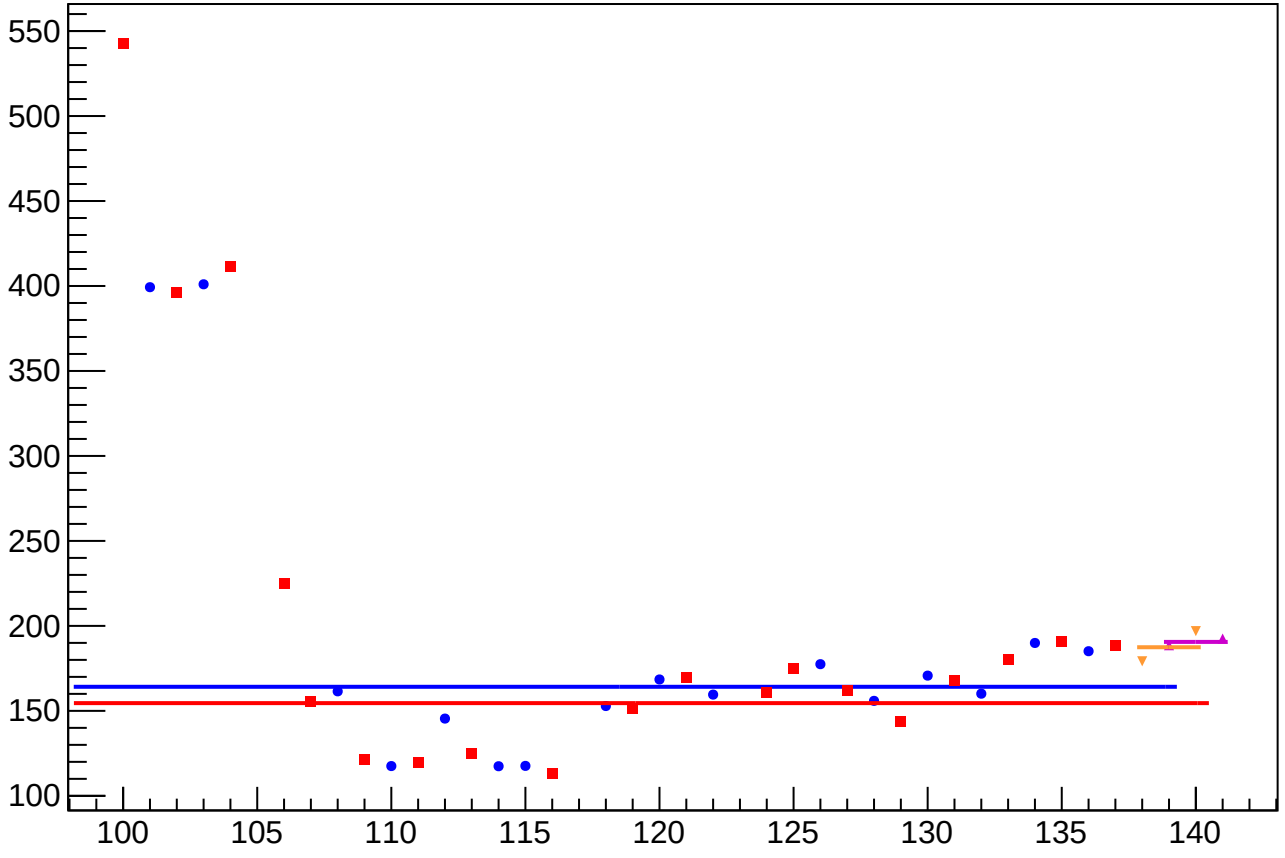
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143106.636+/-0.059 χ^2/NDF:110218761.0/17

Out: 142977.627+/-0.056 χ^2/NDF:242890645.7/20

All: 143038.607+/-0.041 χ^2/NDF: 35558897

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 187.437+/-0.107 χ^2/NDF:6813.1/1

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 190.575+/-0.104 χ^2/NDF:360.2/1

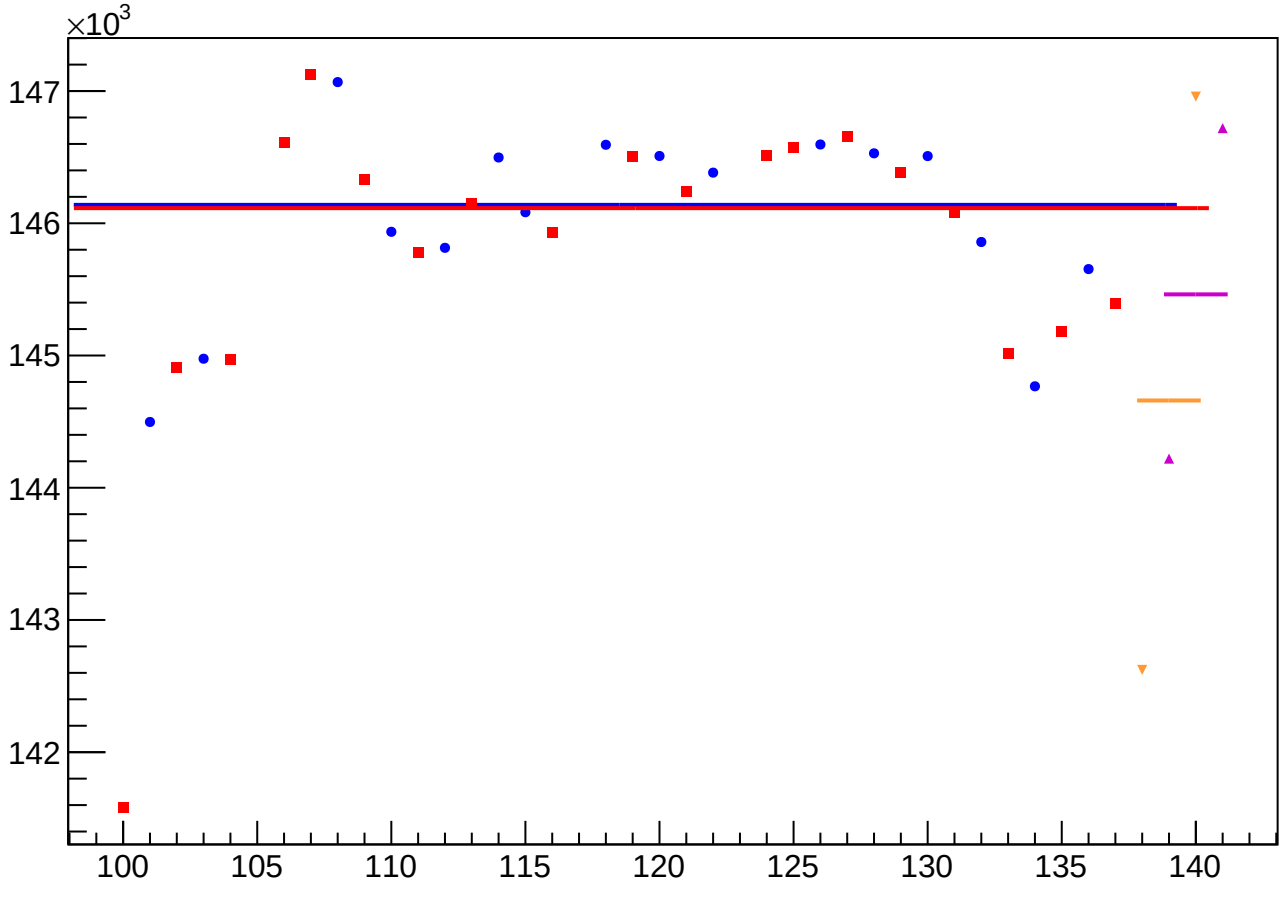
Left: 189.059+/-0.075 χ^2/NDF: 7616.3/3

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 168.516+/-0.042 χ^2/NDF:1184361.5/17

Out: 159.094+/-0.040 χ^2/NDF:1454718.5/20

All: 163.548+/-0.029 χ^2/NDF: 2665543.5/38



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 144659.938+/-0.151 χ^2/NDF:205732791.4/1

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145462.385+/-0.146 χ^2/NDF:72964200.4/1

Left: 145073.471+/-0.105 χ^2/NDF: 293277553.2/3

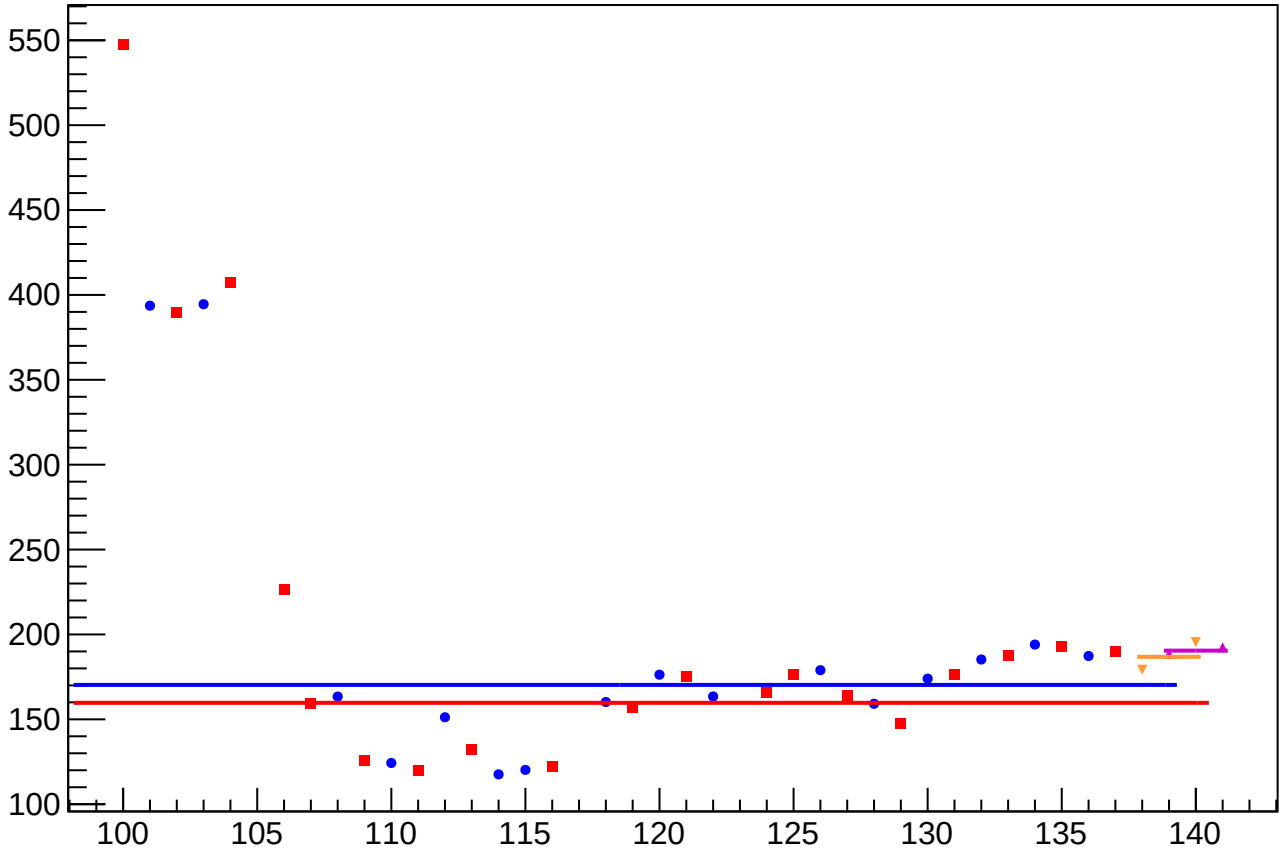
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146020.758+/-0.061 χ^2/NDF:162343325.1/17

Out: 145901.499+/-0.058 χ^2/NDF:358182968.2/20

All: 145957.637+/-0.042 χ^2/NDF: 52253546

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 186.814+/-0.107 χ^2/NDF:5788.9/1

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 190.474+/-0.103 χ^2/NDF:357.6/1

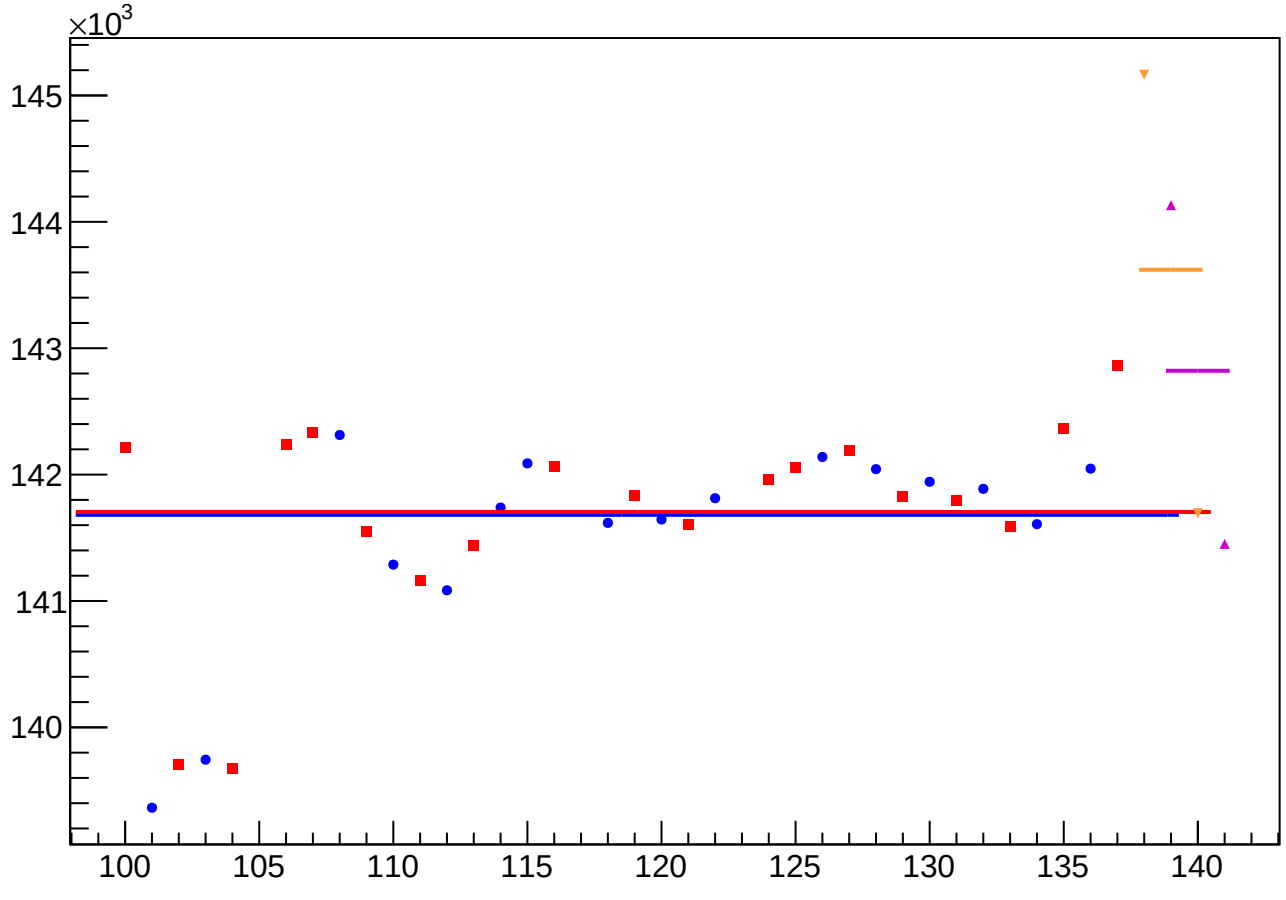
Left: 188.700+/-0.074 χ^2/NDF: 6753.2/3

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 173.814+/-0.043 χ^2/NDF:1089428.1/17

Out: 163.690+/-0.041 χ^2/NDF:1352128.1/20

All: 168.456+/-0.030 χ^2/NDF: 2470512.0/38



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143621.056+/-0.159 χ^2/NDF:117307303.4/1

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 142821.549+/-0.159 χ^2/NDF:71081598.5/1

Left: 143220.522+/-0.112 χ^2/NDF: 201021926.1/3

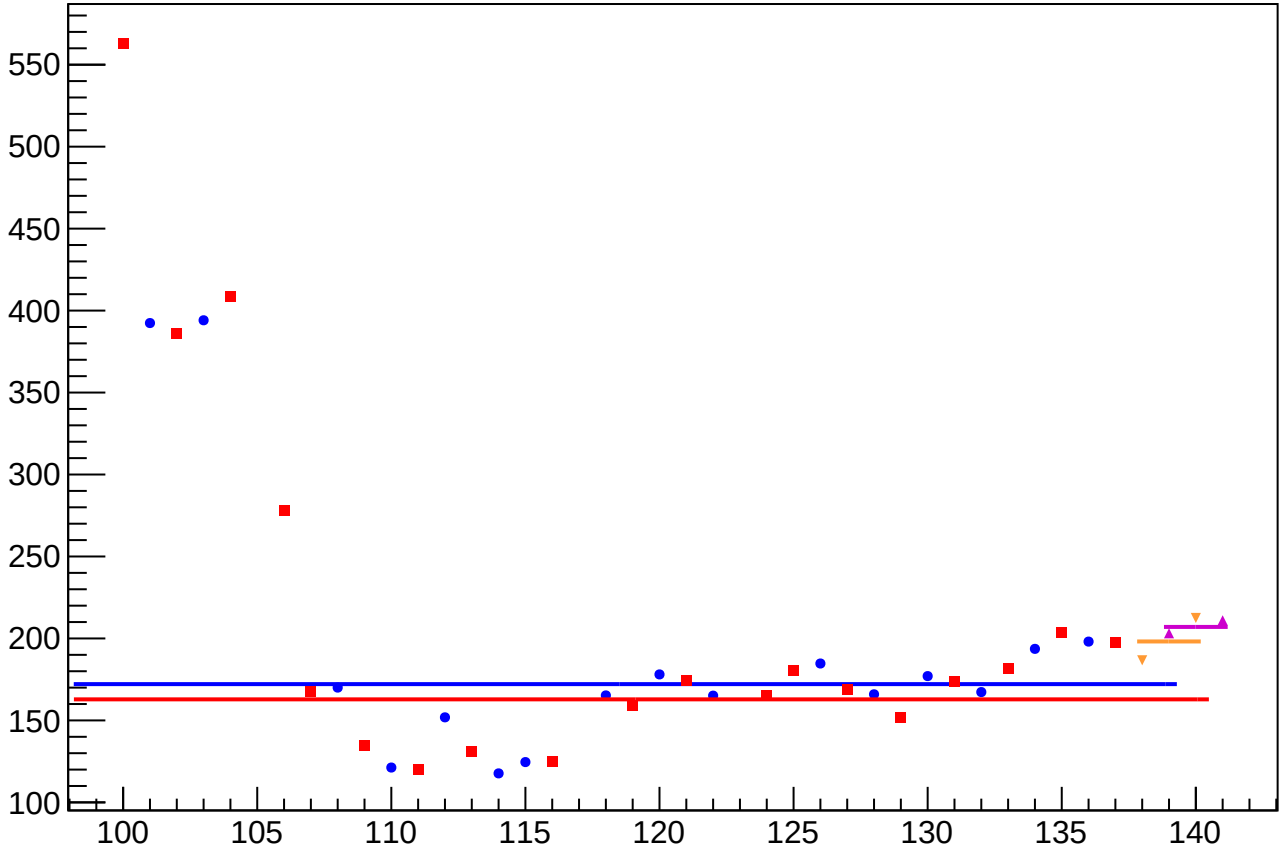
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141859.438+/-0.063 χ^2/NDF:178801411.2/17

Out: 141969.358+/-0.059 χ^2/NDF:307735959.2/20

All: 141917.558+/-0.043 χ^2/NDF: 48816109

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 198.162+/-0.113 χ^2/NDF:13009.1/1

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 207.029+/-0.112 χ^2/NDF:1243.8/1

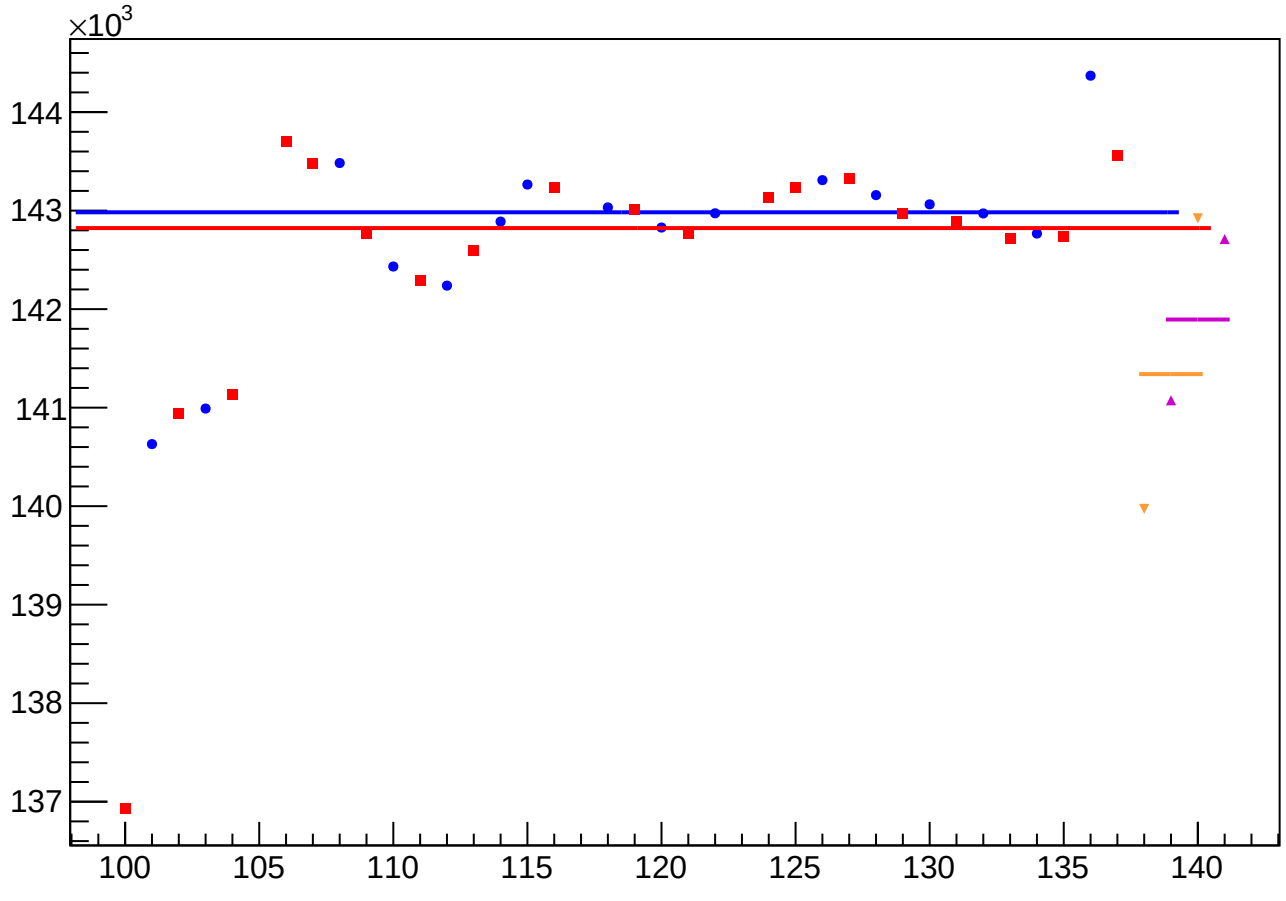
Left: 202.604+/-0.080 χ^2/NDF: 17360.8/3

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 177.576+/-0.044 χ^2/NDF:1151228.5/17

Out: 167.730+/-0.042 χ^2/NDF:1403661.9/20

All: 172.370+/-0.030 χ^2/NDF: 2580942.6/38



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 141340.565+/-0.145 χ^2/NDF:103219658.6/1

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 141894.528+/-0.141 χ^2/NDF:33608583.8/1

Left: 141624.581+/-0.101 χ^2/NDF: 144334333.0/3

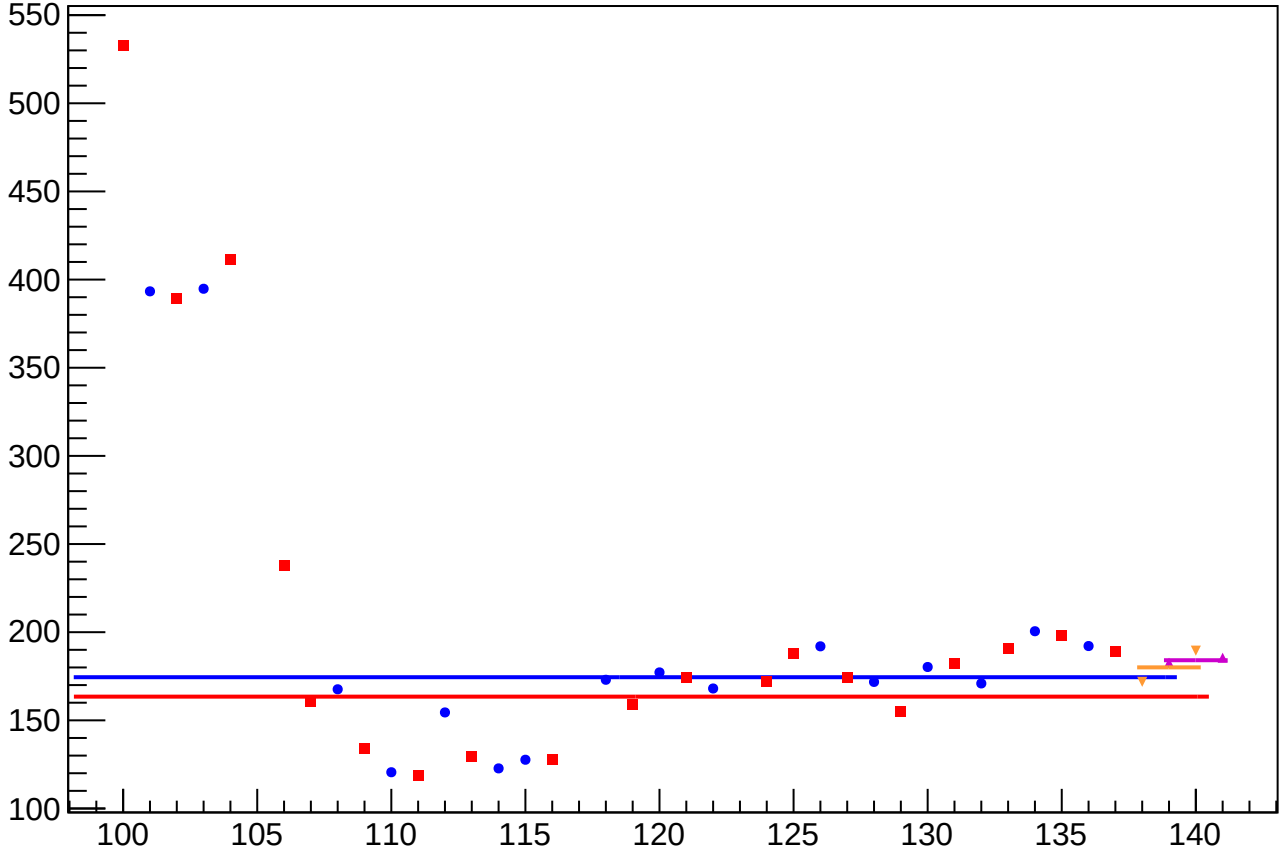
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142772.517+/-0.062 χ^2/NDF:189273915.8/17

Out: 142580.237+/-0.059 χ^2/NDF:254459036.1/20

All: 142670.788+/-0.043 χ^2/NDF: 44881007

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 180.046+/-0.102 χ^2/NDF:7414.6/1

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 184.098+/-0.100 χ^2/NDF:203.6/1

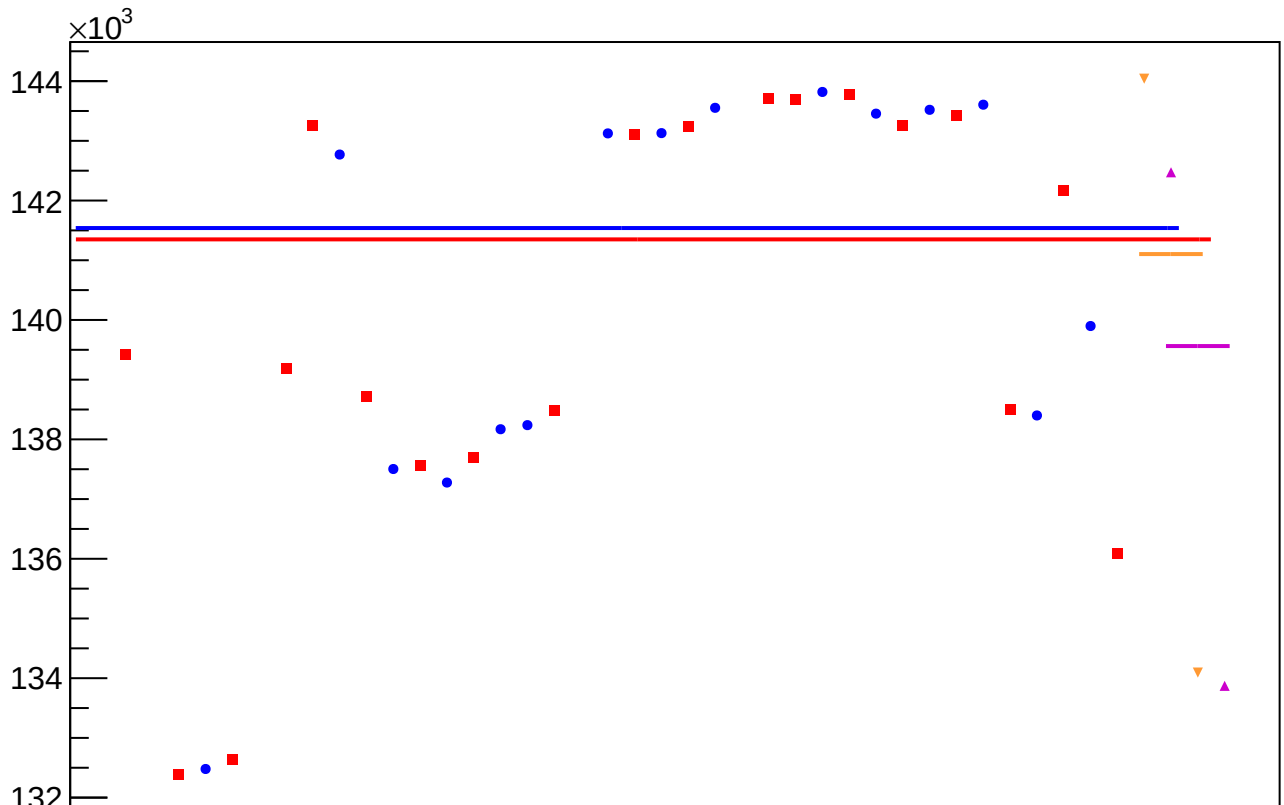
Left: 182.123+/-0.071 χ^2/NDF: 8421.6/3

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 176.329+/-0.044 χ^2/NDF:1056841.7/17

Out: 166.164+/-0.041 χ^2/NDF:1311892.9/20

All: 170.951+/-0.030 χ^2/NDF: 2397118.1/38



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 141103.529+/-0.203 χ^2/NDF:498920057.9/1

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 139562.865+/-0.204 χ^2/NDF:399495000.3/1

Left: 140335.005+/-0.144 χ^2/NDF: 927106232.5/3

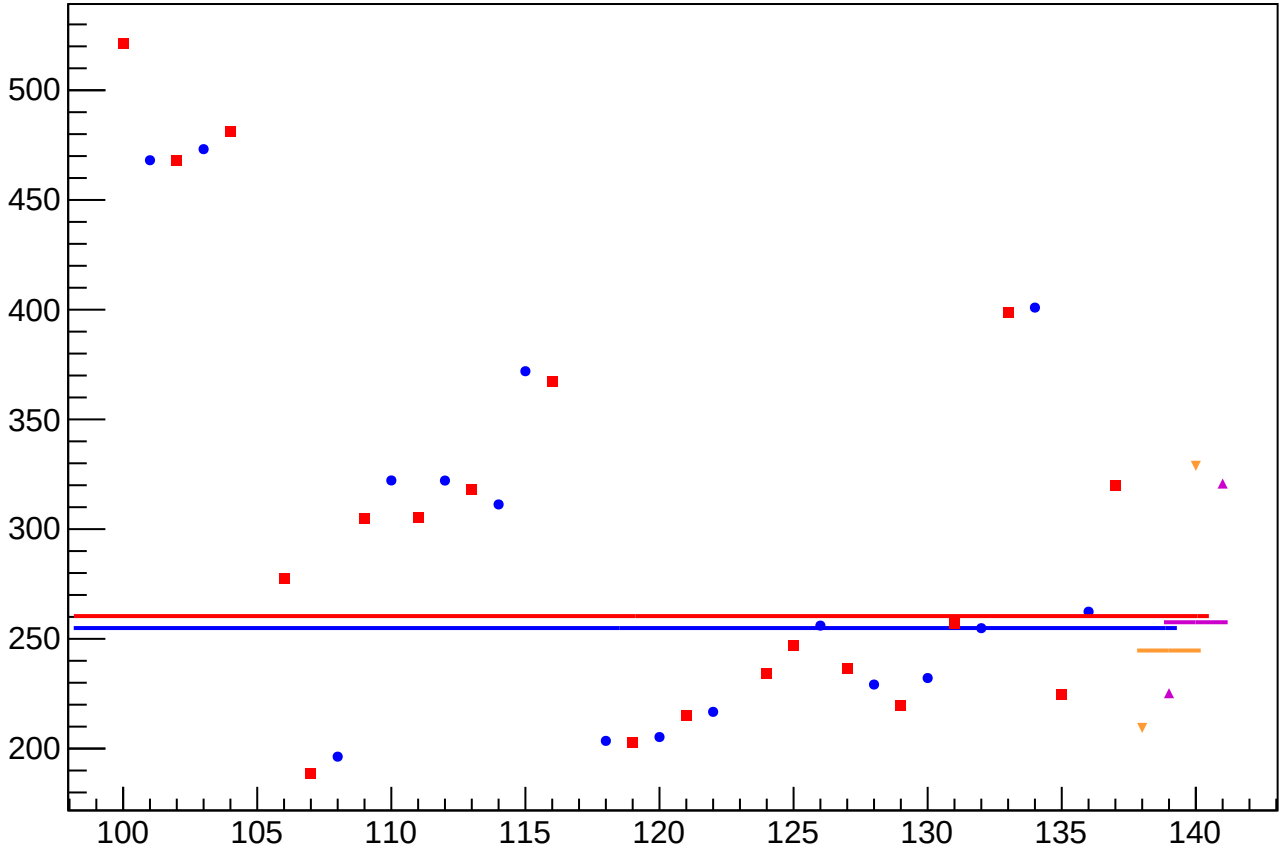
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 141150.360+/-0.090 χ^2/NDF:1422917845.3/17

Out: 141300.706+/-0.090 χ^2/NDF:1426757040.7/2

All: 141225.422+/-0.064 χ^2/NDF: 285105753

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 244.684+/-0.144 χ^2/NDF:143856.4/1

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 257.566+/-0.144 χ^2/NDF:98542.5/1

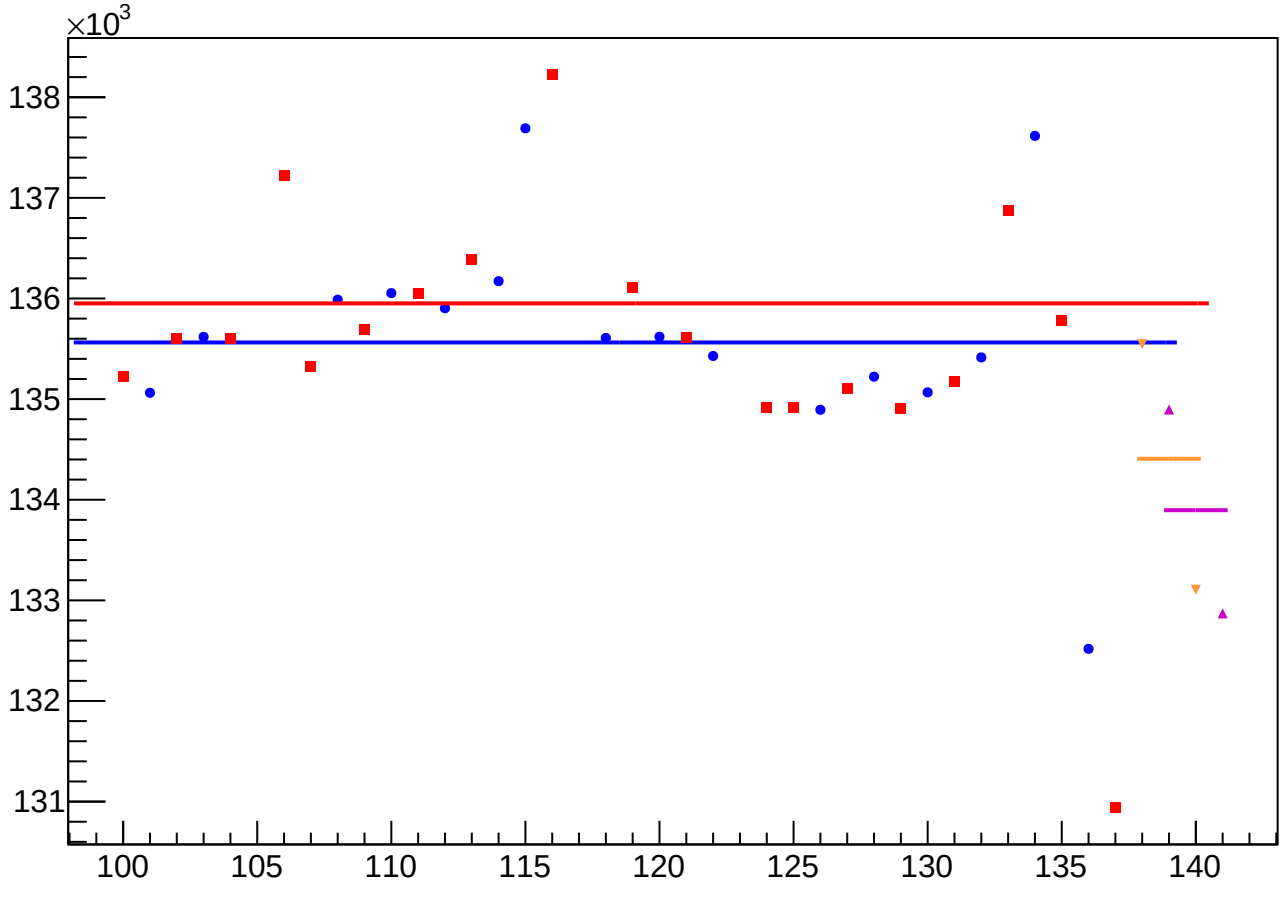
Left: 251.110+/-0.102 χ^2/NDF: 246411.1/3

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 255.440+/-0.064 χ^2/NDF:1048766.1/17

Out: 257.257+/-0.064 χ^2/NDF:1146714.7/20

All: 256.347+/-0.045 χ^2/NDF: 2195884.7/38



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134407.265+/-0.154 χ^2/NDF:62177790.6/1

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 133895.839+/-0.149 χ^2/NDF:46105658.0/1

Left: 134142.654+/-0.107 χ^2/NDF: 113955600.9/3

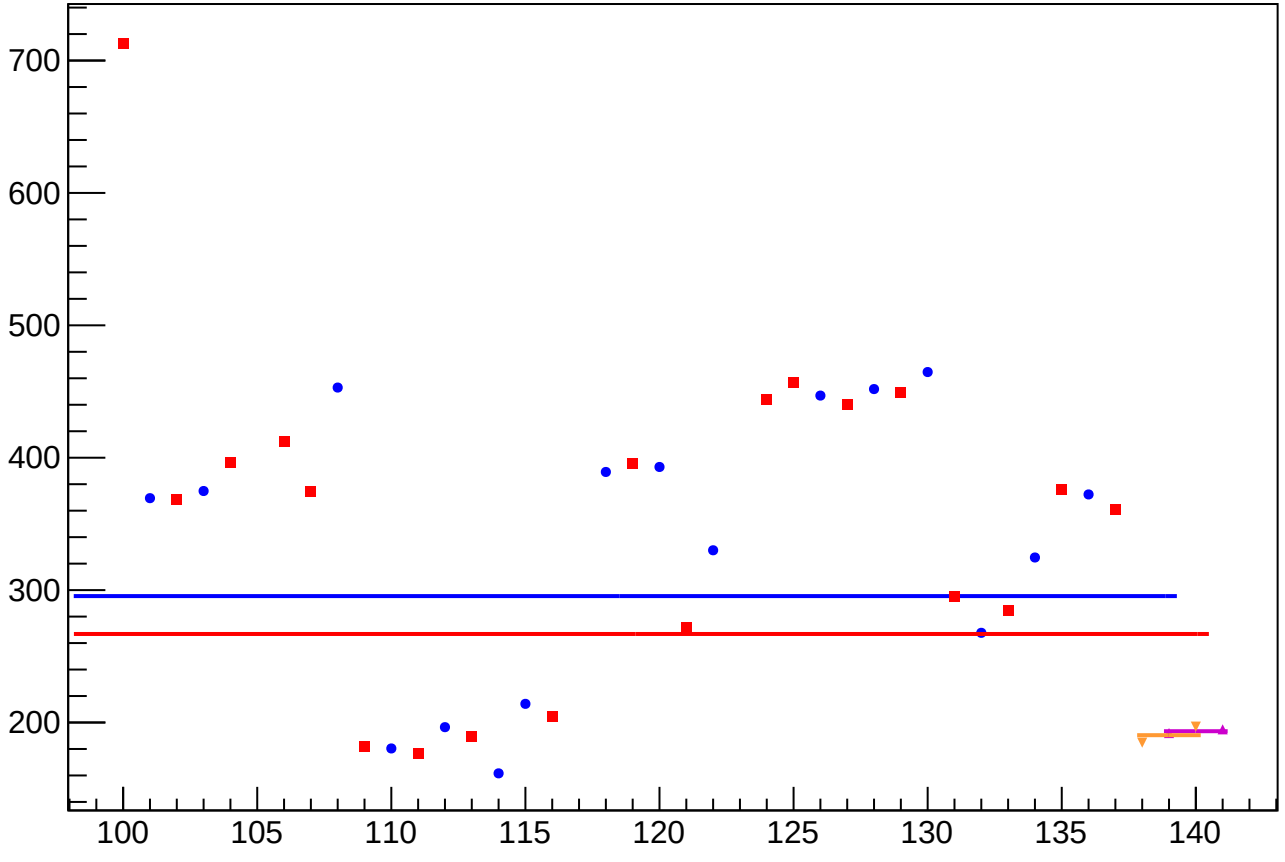
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134919.024+/-0.093 χ^2/NDF:216929871.4/17

Out: 135454.839+/-0.088 χ^2/NDF:221558238.8/20

All: 135202.135+/-0.064 χ^2/NDF: 45613408

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 190.425+/-0.109 χ^2/NDF:3054.2/1

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 193.422+/-0.105 χ^2/NDF:178.0/1

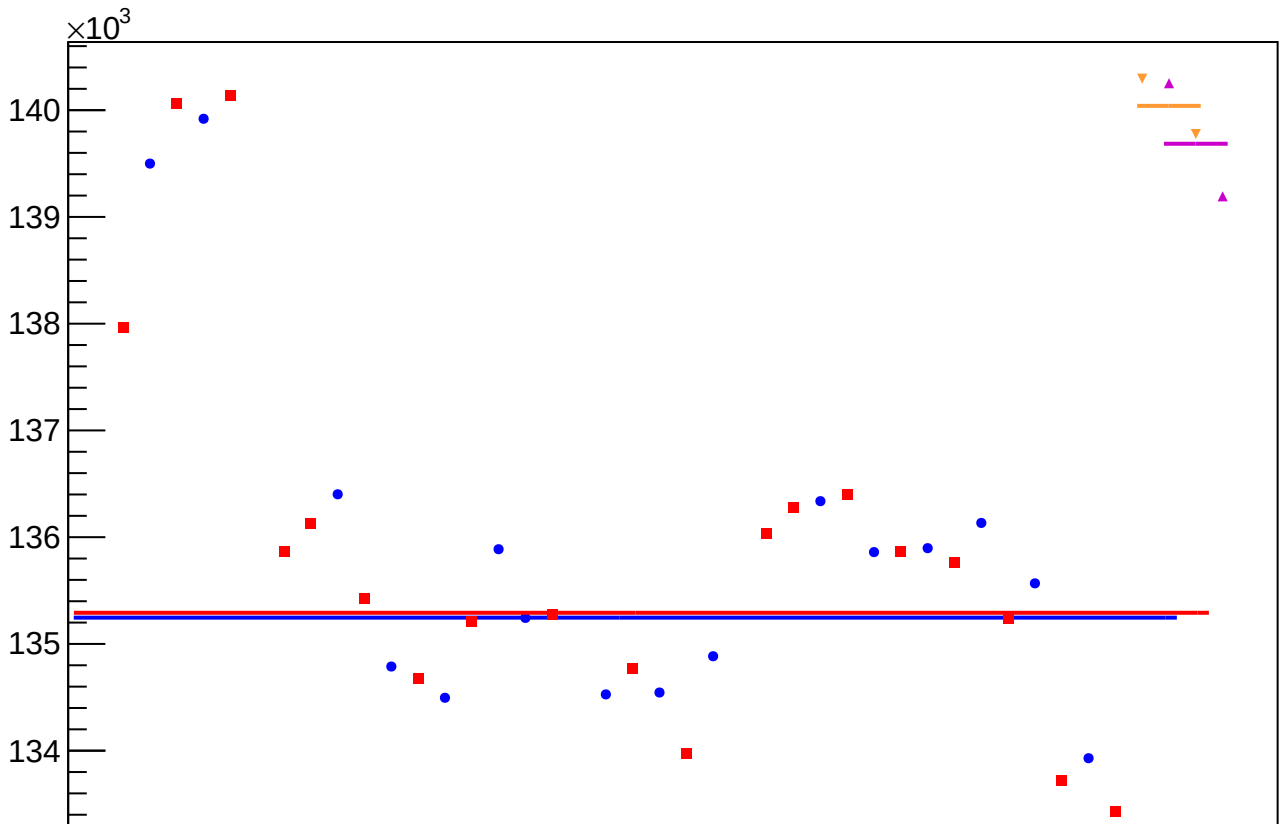
Left: 191.976+/-0.076 χ^2/NDF: 3621.8/3

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 256.057+/-0.066 χ^2/NDF:2017206.5/17

Out: 242.280+/-0.062 χ^2/NDF:2013397.8/20

All: 248.777+/-0.045 χ^2/NDF: 4053935.2/38



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 140040.327+/-0.144 χ^2/NDF:3255432.4/1

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 139685.403+/-0.139 χ^2/NDF:14351704.0/1

Left: 139857.551+/-0.100 χ^2/NDF: 20747031.9/3

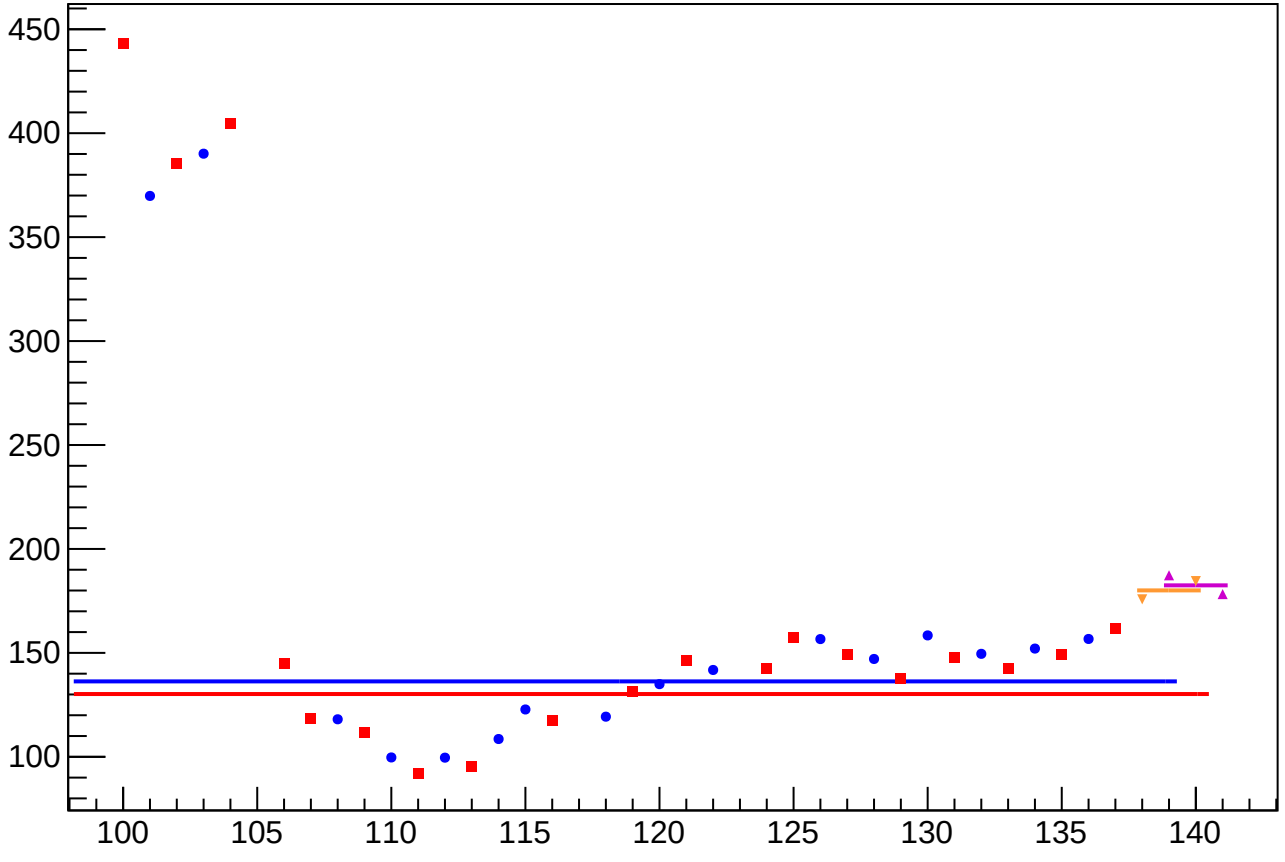
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 135838.285+/-0.051 χ^2/NDF:1280365061.6/17

Out: 135836.731+/-0.049 χ^2/NDF:1351173890.4/2

All: 135837.473+/-0.035 χ^2/NDF: 26315394

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 180.060+/-0.102 χ^2/NDF:1862.9/1

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 182.487+/-0.099 χ^2/NDF:2093.2/1

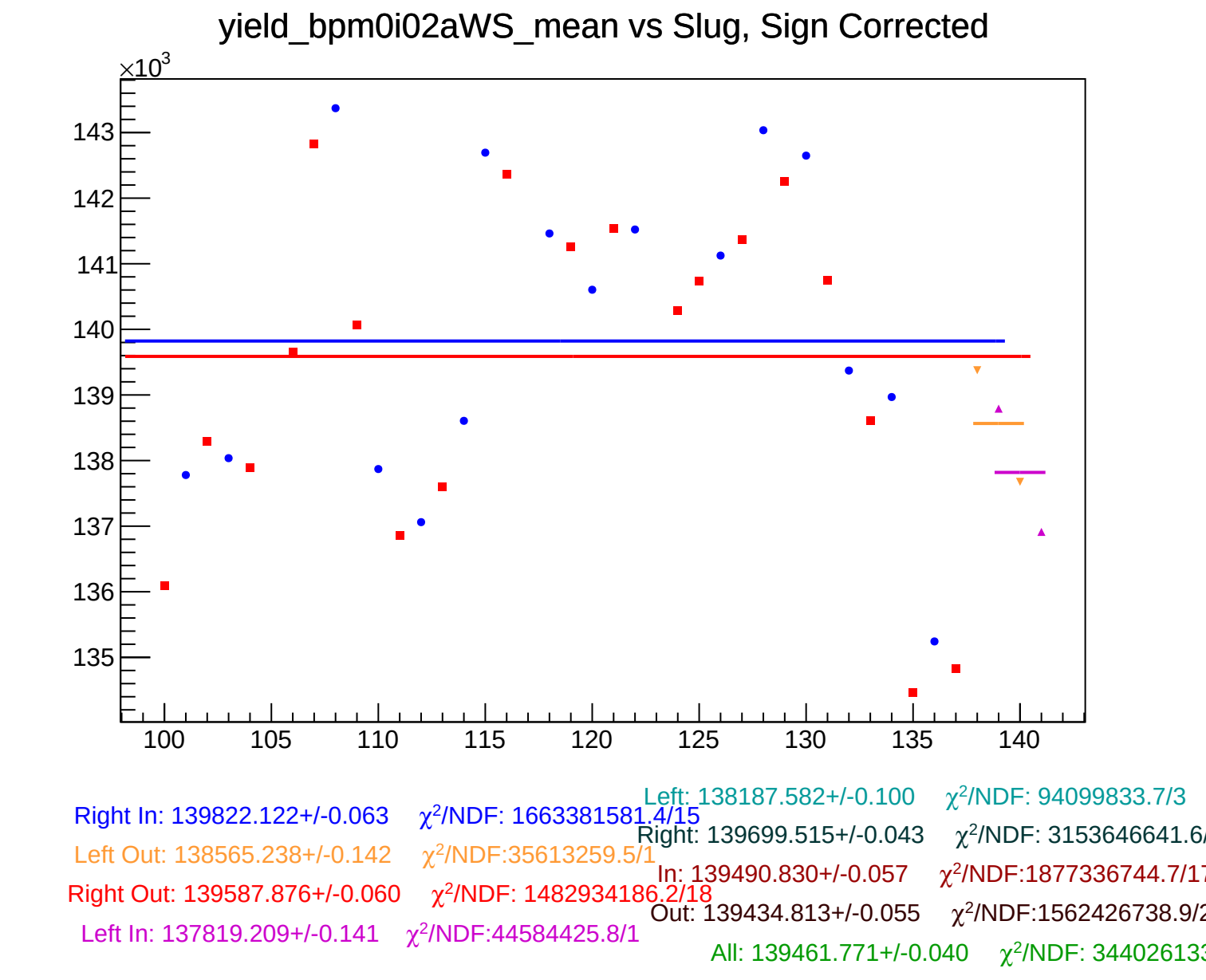
Left: 181.310+/-0.071 χ^2/NDF: 4249.9/3

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

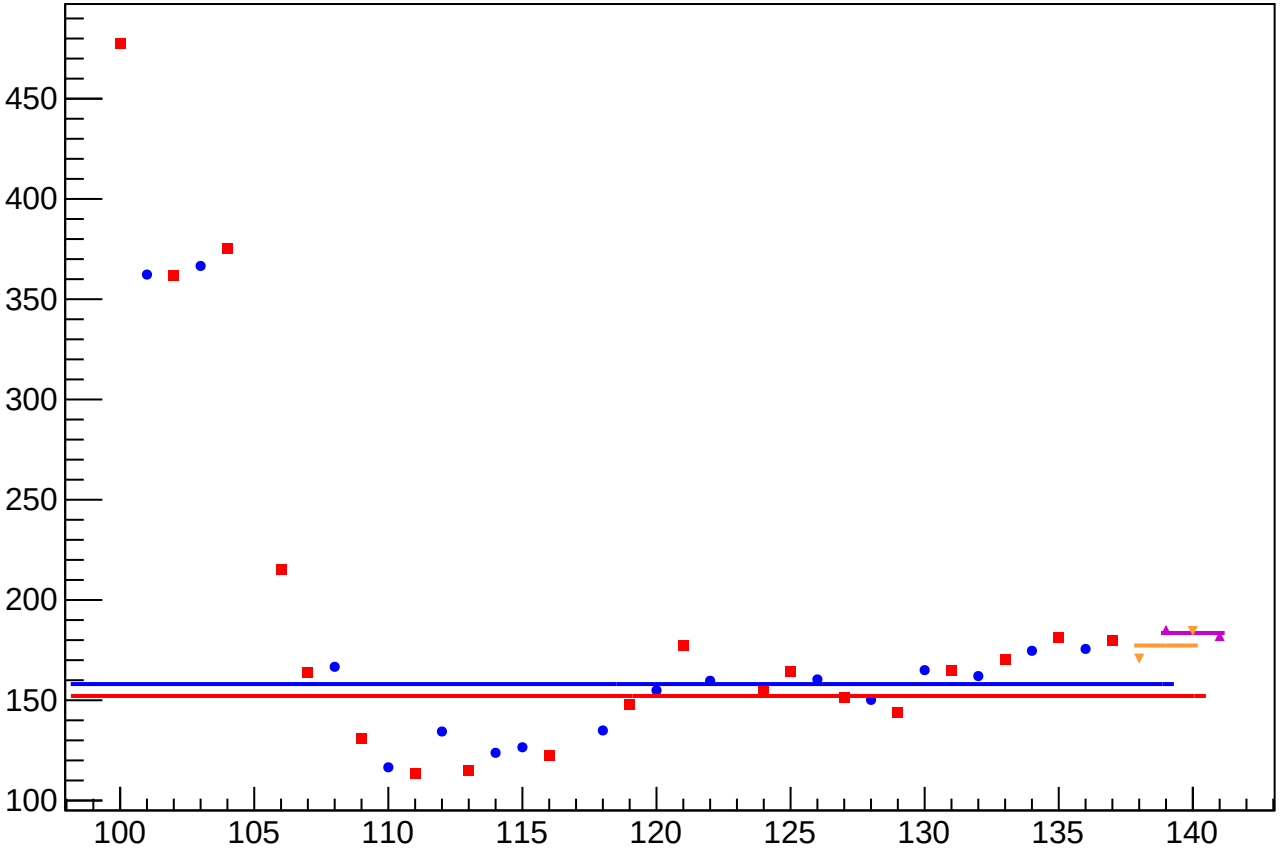
In: 142.447+/-0.036 χ^2/NDF:1576291.2/17

Out: 135.927+/-0.034 χ^2/NDF:1735695.3/20

All: 139.039+/-0.025 χ^2/NDF: 3329108.4/38


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
143
142
141
140
139
138
137
136
135
100
105
110
115
120
125
130
135
140
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 138565.238+/-0.142 χ²/NDF:35613259.5/1
Right Out: 139587.876+/-0.060 χ²/NDF: 1482934186.2/18
Left In: 137819.209+/-0.141 χ²/NDF:44584425.8/1
Left: 138187.582+/-0.100 χ²/NDF: 94099833.7/3
Right: 139699.515+/-0.043 χ²/NDF: 3153646641.6/
In: 139490.830+/-0.057 χ²/NDF:1877336744.7/17
Out: 139434.813+/-0.055 χ²/NDF:1562426738.9/2
All: 139461.771+/-0.040 χ²/NDF: 344026133

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 177.319+/-0.101 χ^2/NDF:4666.6/1

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 183.554+/-0.099 χ^2/NDF:241.5/1

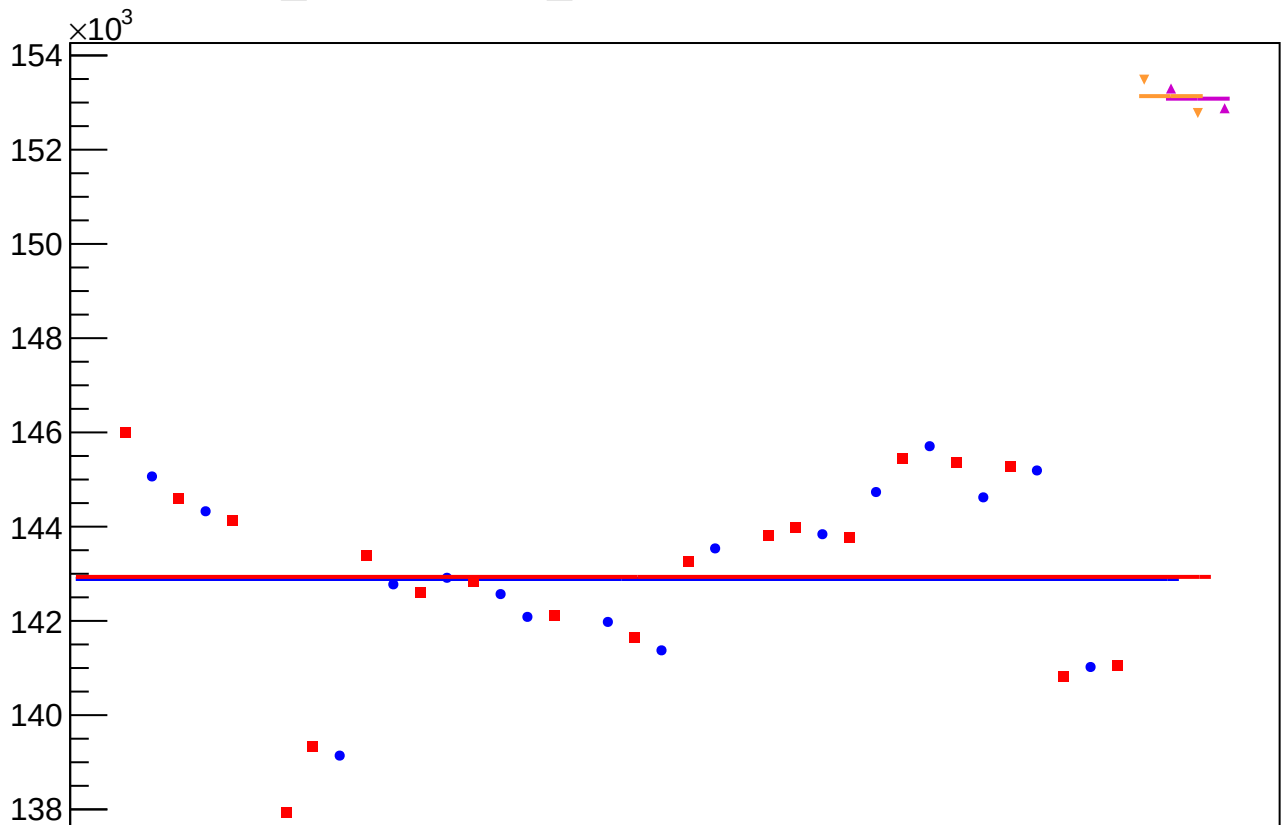
Left: 180.475+/-0.071 χ^2/NDF: 6850.1/3

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 162.293+/-0.040 χ^2/NDF:1072967.9/17

Out: 155.908+/-0.039 χ^2/NDF:1286926.7/20

All: 158.981+/-0.028 χ^2/NDF: 2372831.5/38



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 153136.882+/-0.151 χ^2/NDF:5518846.0/1

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 153082.890+/-0.146 χ^2/NDF:2062512.8/1

Left: 153109.025+/-0.105 χ^2/NDF: 7647702.8/3

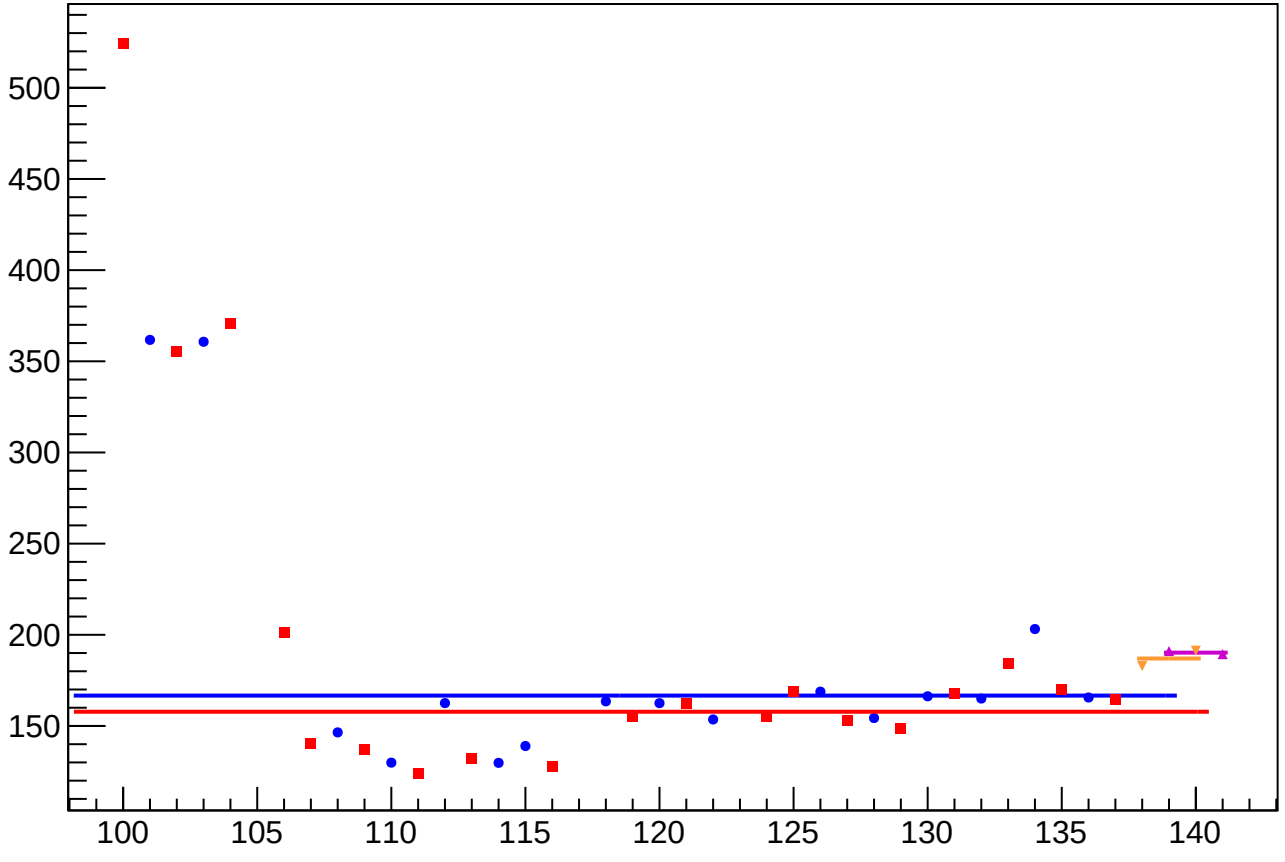
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144608.485+/-0.060 χ^2/NDF:4826946462.0/17

Out: 144394.254+/-0.057 χ^2/NDF:4727675628.9/2

All: 144496.005+/-0.041 χ^2/NDF: 956134008

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 186.995+/-0.106 χ^2/NDF:1590.6/1

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 190.217+/-0.103 χ^2/NDF:67.8/1

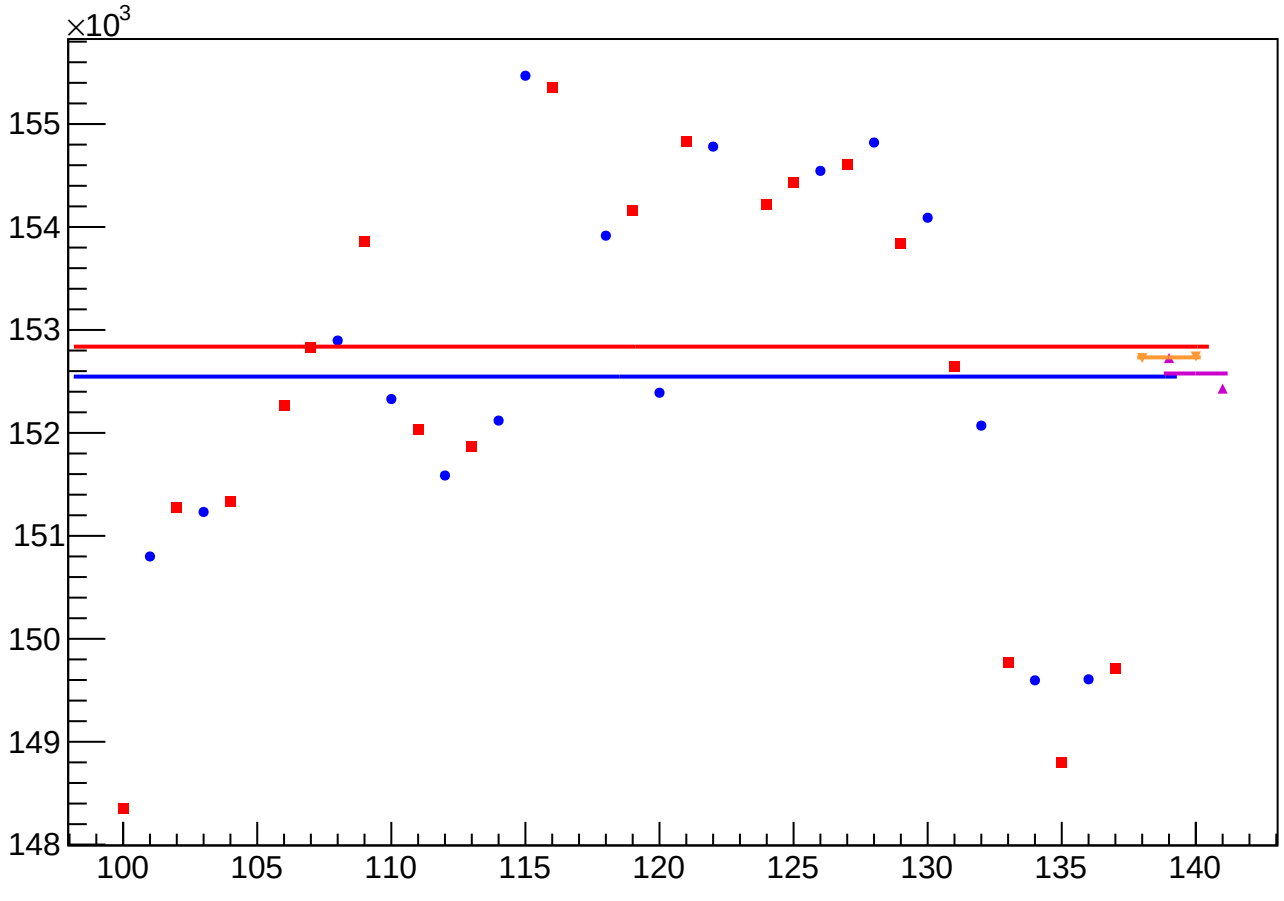
Left: 188.658+/-0.074 χ^2/NDF: 2130.9/3

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 170.630+/-0.042 χ^2/NDF:907039.9/17

Out: 161.986+/-0.040 χ^2/NDF:1088318.3/20

All: 166.092+/-0.029 χ^2/NDF: 2017229.6/38



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152733.369+/-0.146 χ^2/NDF:2592.6/1

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 152577.162+/-0.146 χ^2/NDF:1028613.8/1

Left: 152655.287+/-0.103 χ^2/NDF: 1600901.6/3

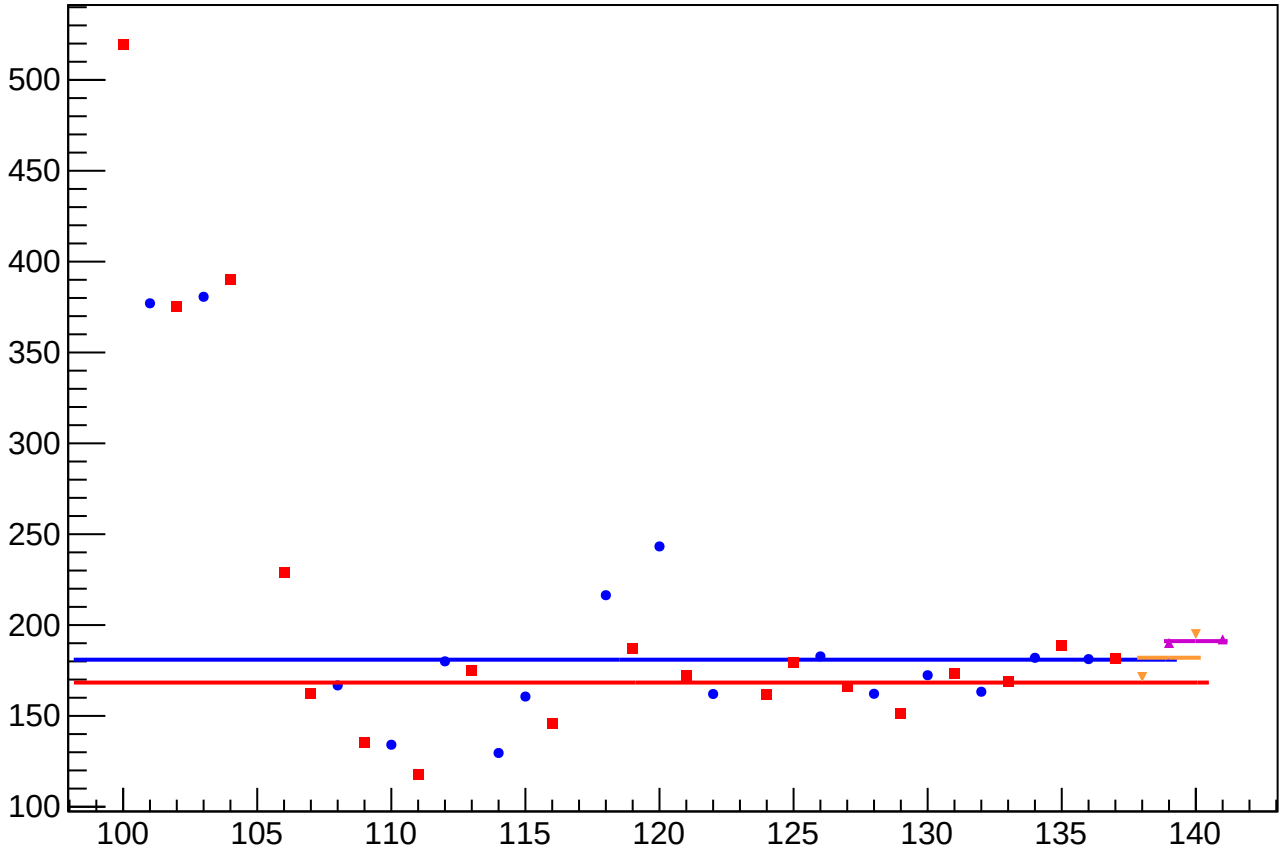
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152552.877+/-0.065 χ^2/NDF:655603481.7/17

Out: 152819.924+/-0.061 χ^2/NDF:737332205.5/20

All: 152695.710+/-0.044 χ^2/NDF: 14019499

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 182.018+/-0.103 χ^2/NDF:12872.4/1

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 191.163+/-0.103 χ^2/NDF:90.9/1

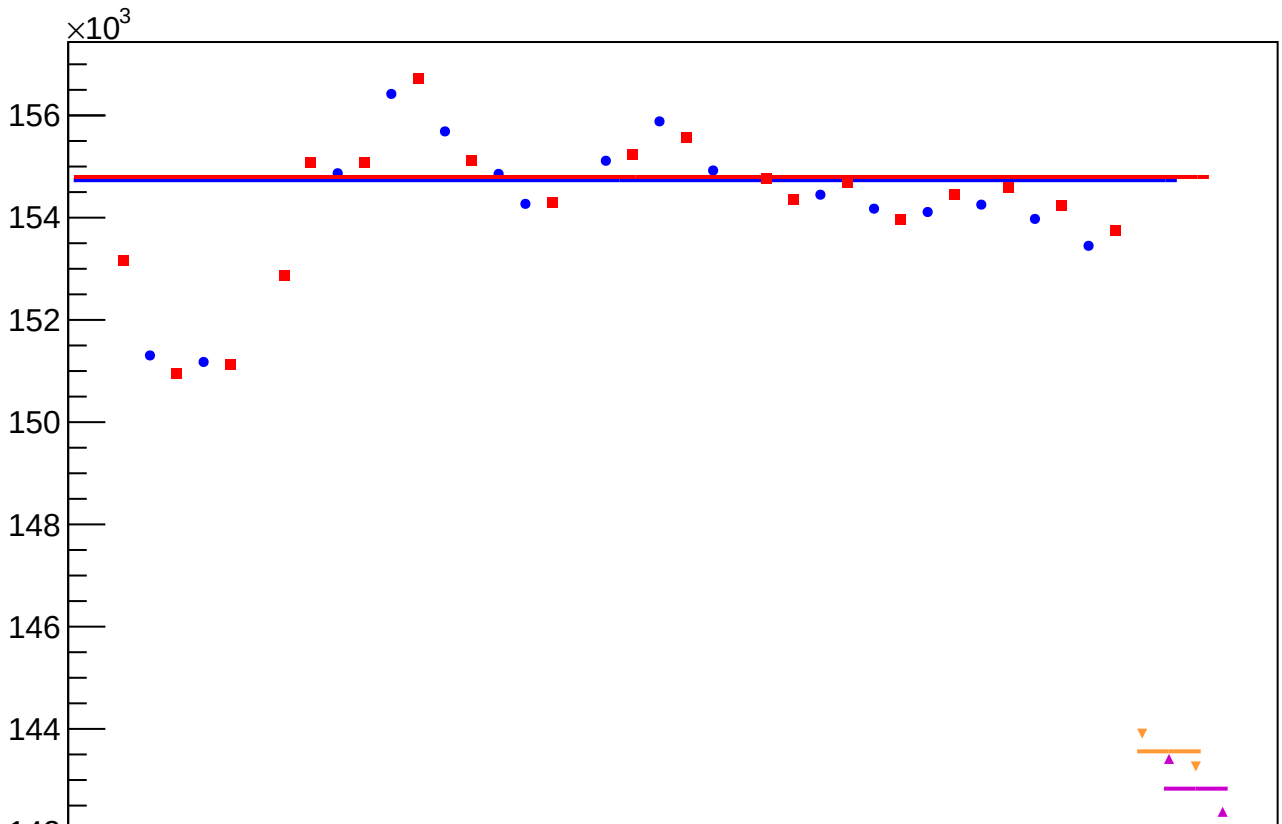
Left: 186.589+/-0.073 χ^2/NDF: 16868.5/3

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 182.958+/-0.046 χ^2/NDF:915680.8/17

Out: 170.698+/-0.043 χ^2/NDF:1116415.4/20

All: 176.401+/-0.031 χ^2/NDF: 2070092.6/38



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143561.032+/-0.140 χ^2/NDF:5229815.1/1

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 142831.278+/-0.131 χ^2/NDF:15370112.5/1

Left: 143172.474+/-0.096 χ^2/NDF: 35129478.5/3

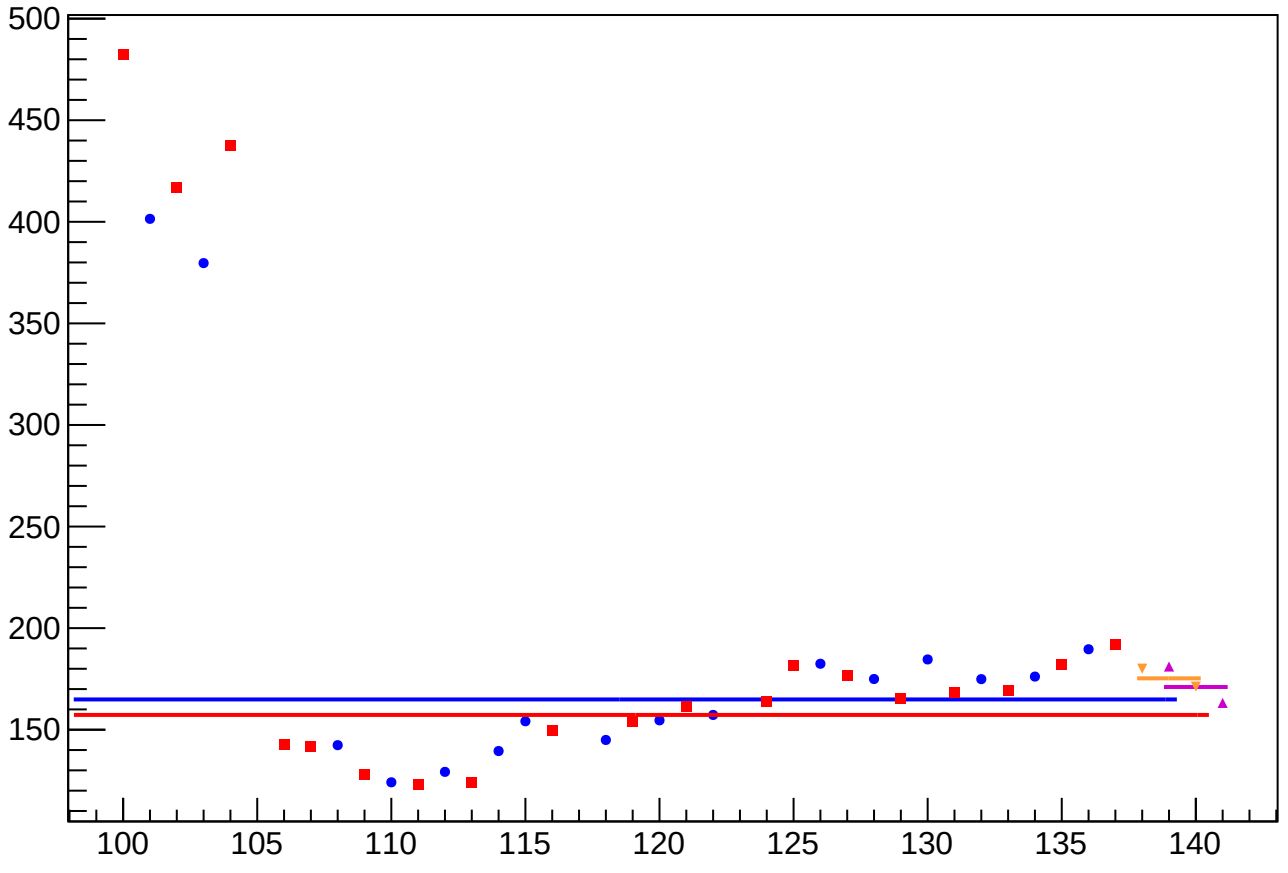
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 152367.811+/-0.058 χ^2/NDF:6913197451.9/17

Out: 152993.571+/-0.056 χ^2/NDF:5739555209.2/2

All: 152693.853+/-0.040 χ^2/NDF: 12712659

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 175.286+/-0.099 χ^2/NDF:1982.7/1

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 171.031+/-0.093 χ^2/NDF:9219.7/1

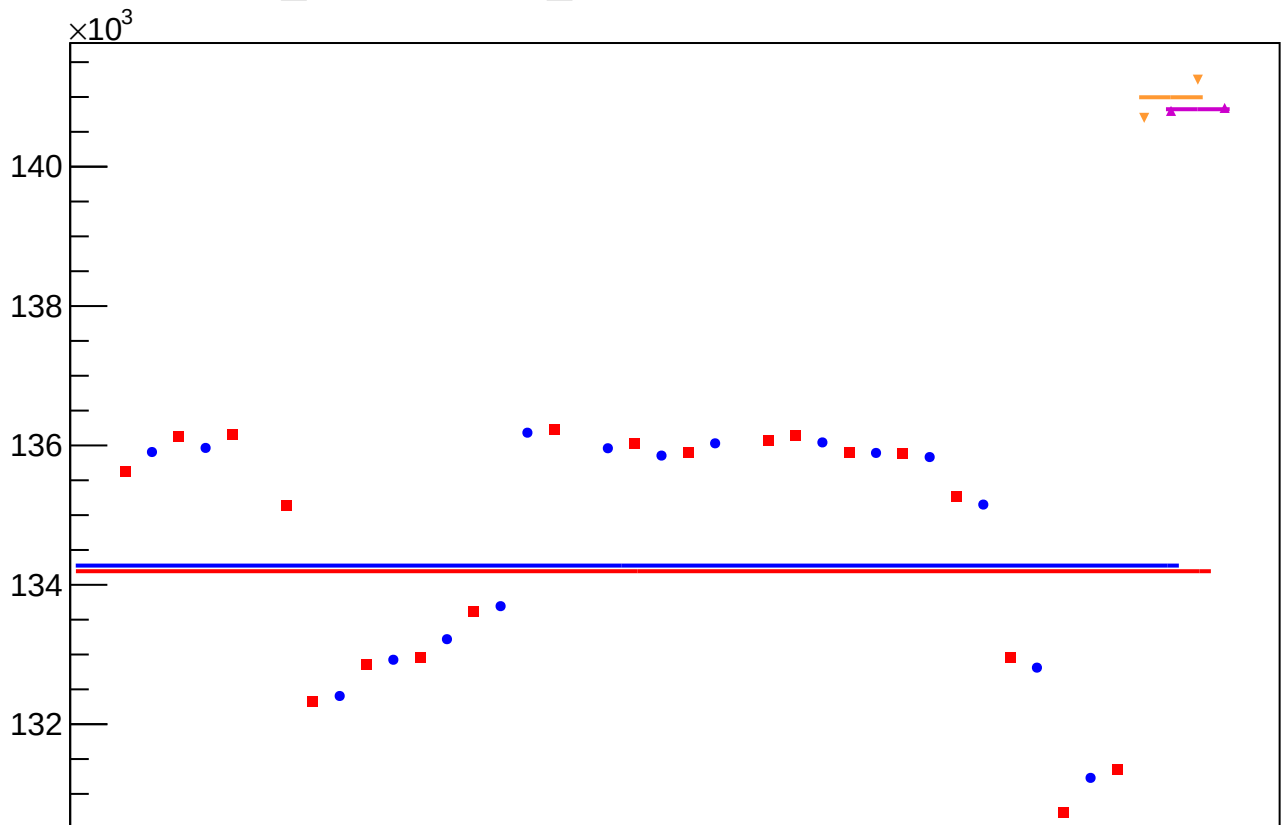
Left: 173.020+/-0.068 χ^2/NDF: 12190.3/3

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 166.124+/-0.041 χ^2/NDF:1085458.2/17

Out: 160.171+/-0.040 χ^2/NDF:1284700.8/20

All: 163.022+/-0.029 χ^2/NDF: 2381000.5/38



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 140996.133+/-0.136 χ^2/NDF:4051448.3/1

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 140824.445+/-0.128 χ^2/NDF:27555.5/1

Left: 140905.140+/-0.093 χ^2/NDF: 4927993.5/3

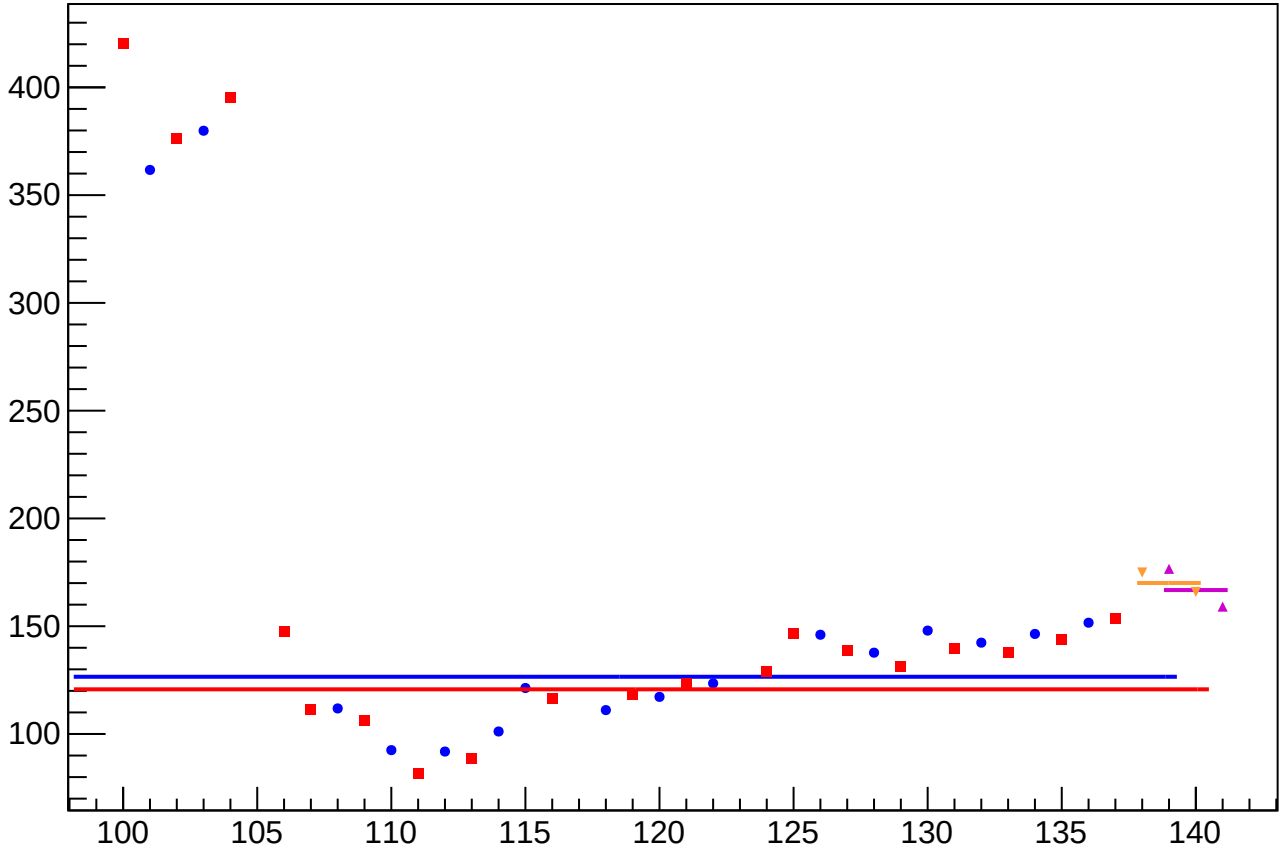
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 135171.022+/-0.047 χ^2/NDF:3411499842.8/17

Out: 134951.318+/-0.045 χ^2/NDF:3443702406.9/2

All: 135056.429+/-0.033 χ^2/NDF: 68664912

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 170.061+/-0.096 χ^2/NDF:2193.5/1

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 166.776+/-0.090 χ^2/NDF:9276.7/1

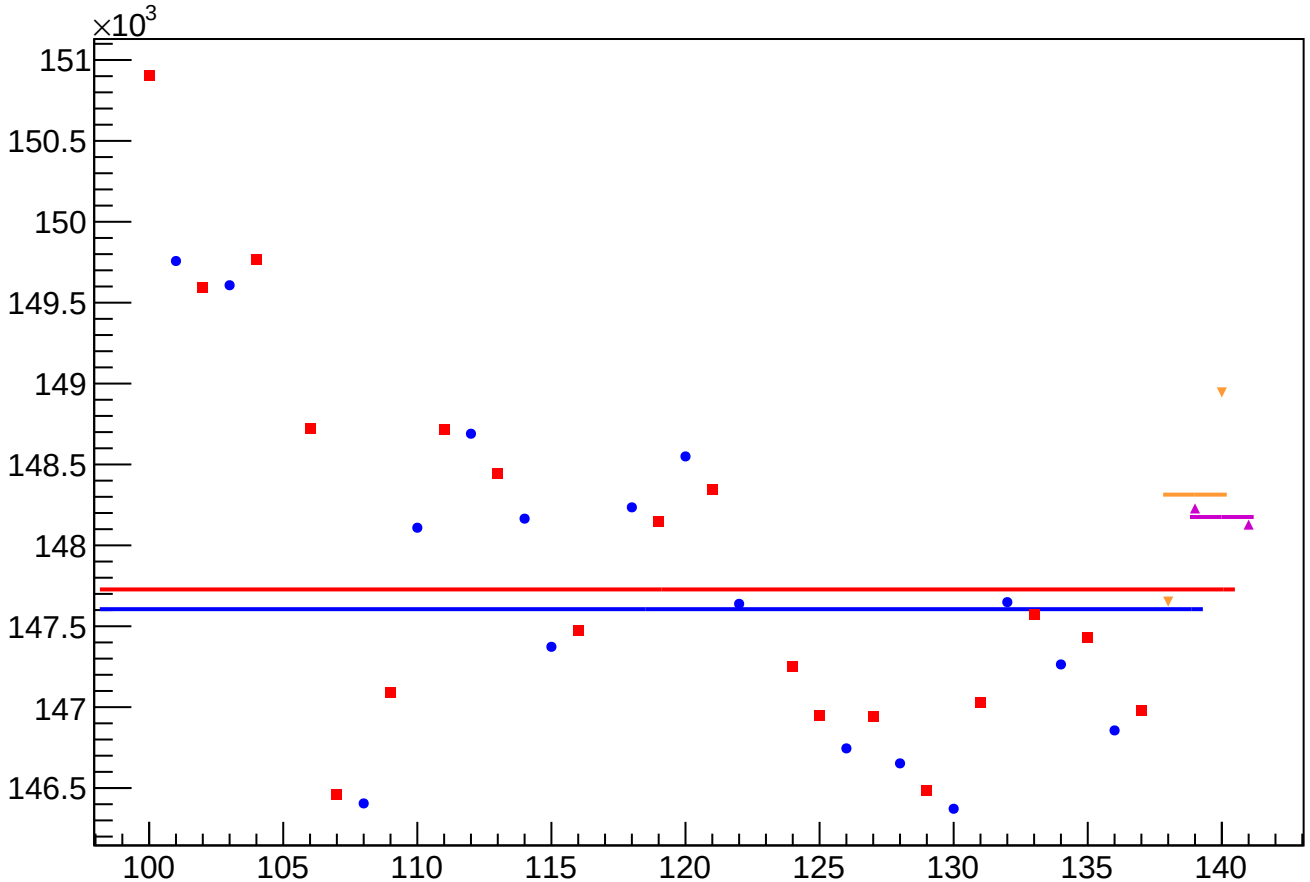
Left: 168.320+/-0.066 χ^2/NDF: 12091.9/3

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 132.048+/-0.033 χ^2/NDF:1657912.0/17

Out: 126.208+/-0.032 χ^2/NDF:1870084.5/20

All: 129.002+/-0.023 χ^2/NDF: 3543950.0/38



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 148313.571+/-0.163 χ^2/NDF:15753877.1/1

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 148175.320+/-0.158 χ^2/NDF:100003.0/1

Left: 148242.216+/-0.113 χ^2/NDF: 16225899.9/3

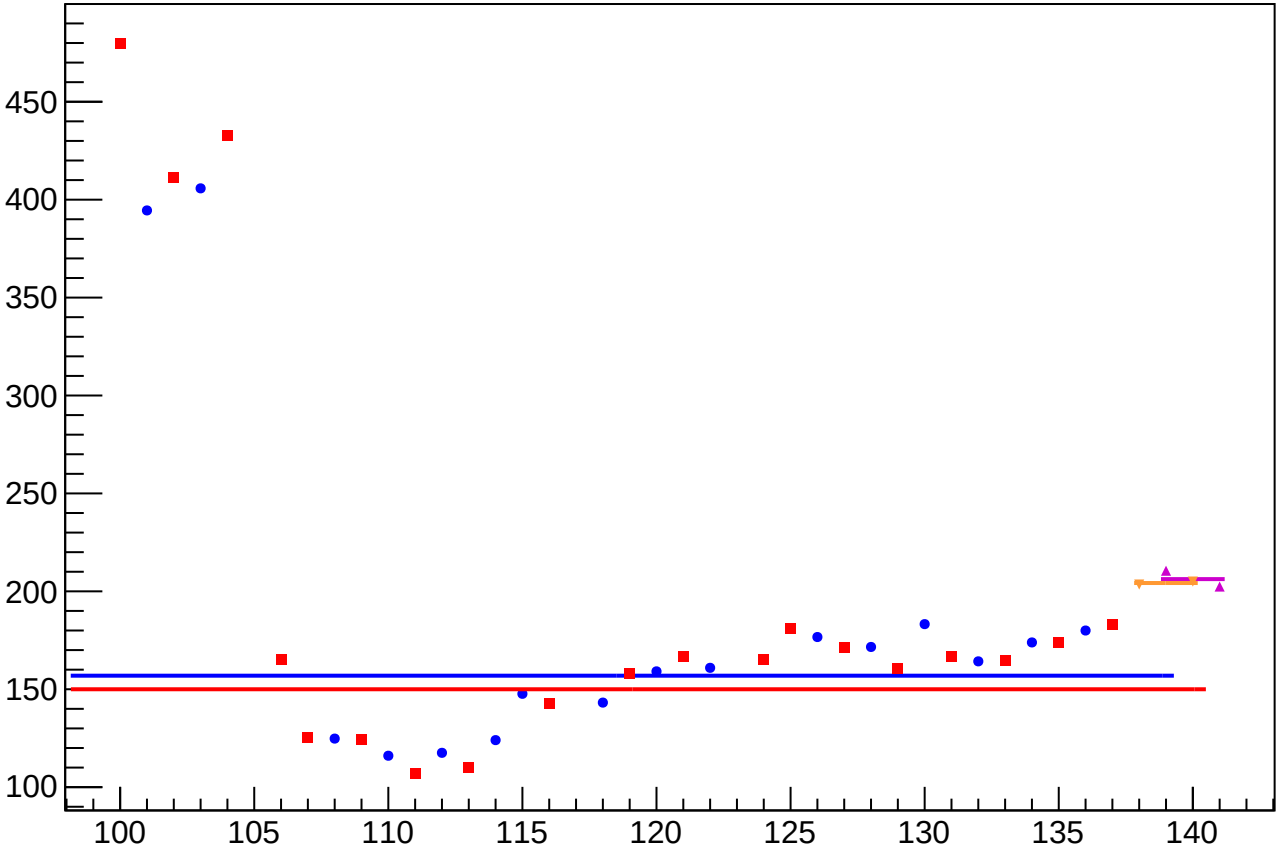
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 147682.912+/-0.058 χ^2/NDF:211897909.4/17

Out: 147795.458+/-0.055 χ^2/NDF:222003406.7/20

All: 147741.827+/-0.040 χ^2/NDF: 43586689

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 204.248+/-0.115 χ^2/NDF:43.4/1

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 206.244+/-0.111 χ^2/NDF:1306.9/1

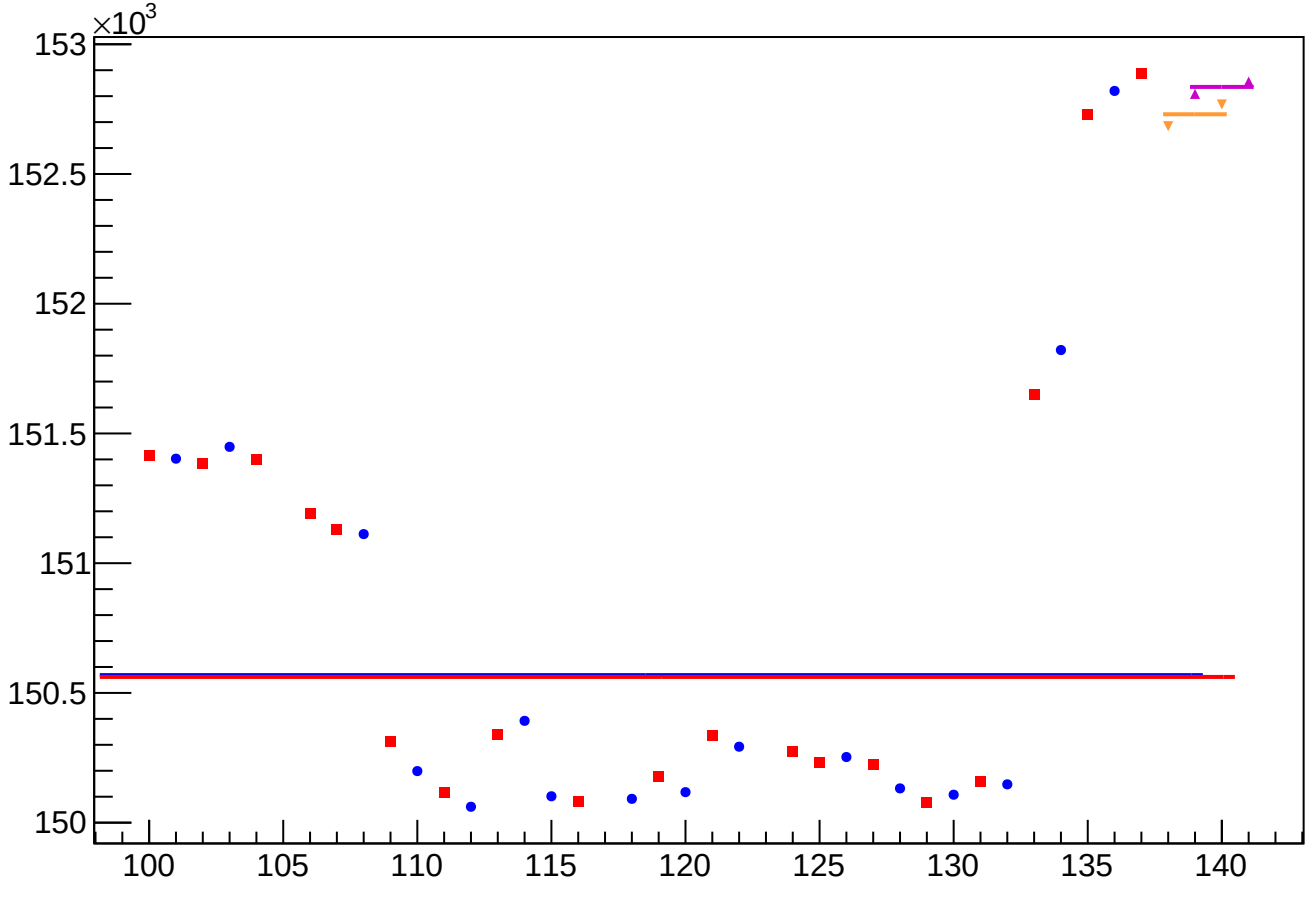
Left: 205.278+/-0.080 χ^2/NDF: 1505.5/3

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

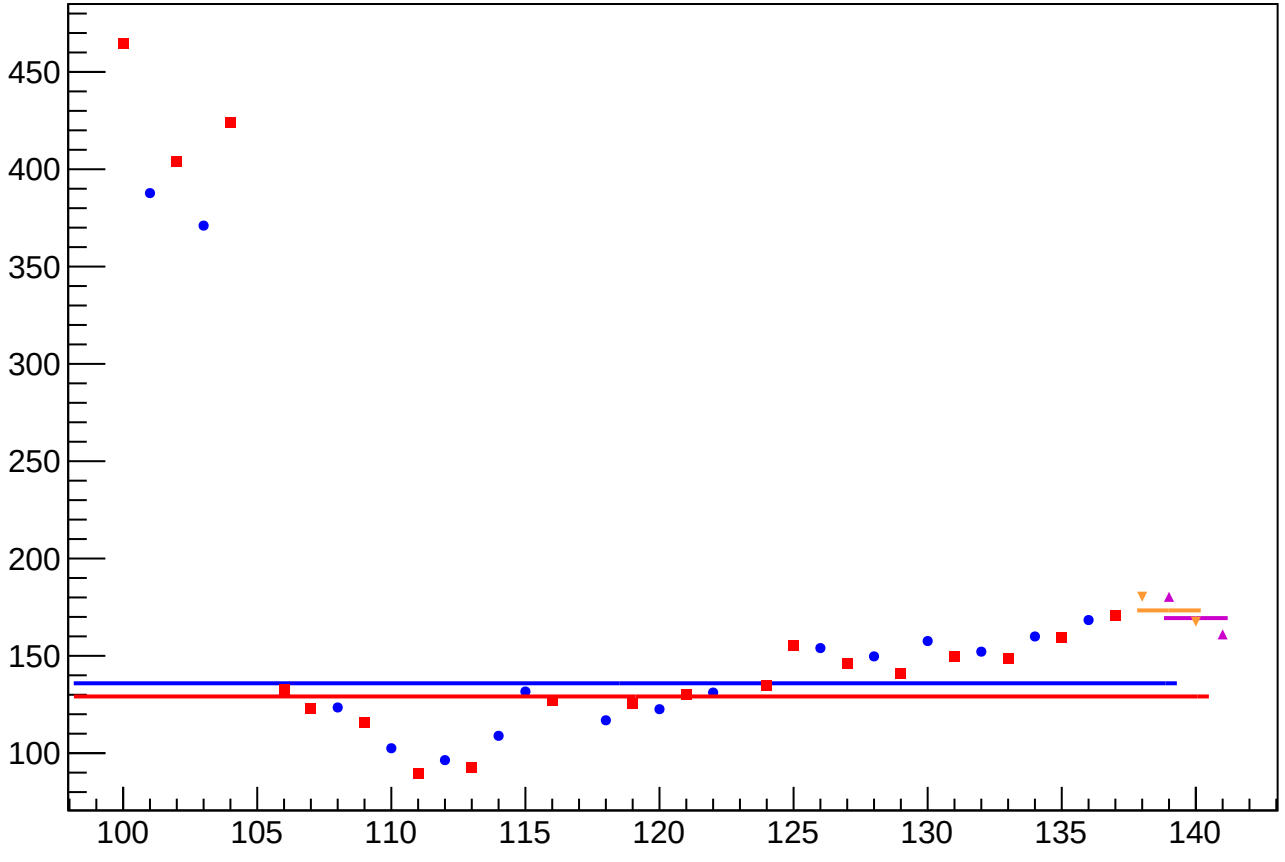
In: 163.619+/-0.041 χ^2/NDF:1436195.1/17

Out: 156.277+/-0.039 χ^2/NDF:1650272.3/20

All: 159.776+/-0.028 χ^2/NDF: 3103198.0/38


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
153
152.5
152
151.5
151
150.5
150
100
105
110
115
120
125
130
135
140
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 152730.173+/-0.138 χ²/NDF:91124.1/1
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 152835.584+/-0.130 χ²/NDF:32542.5/1
Left: 152786.256+/-0.095 χ²/NDF: 432956.2/3
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 150910.191+/-0.050 χ²/NDF:496812324.2/17
Out: 150821.225+/-0.048 χ²/NDF:414163118.5/20
All: 150863.448+/-0.035 χ²/NDF: 91261721

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 173.338+/-0.098 χ^2/NDF:4237.2/1

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 169.395+/-0.092 χ^2/NDF:10871.4/1

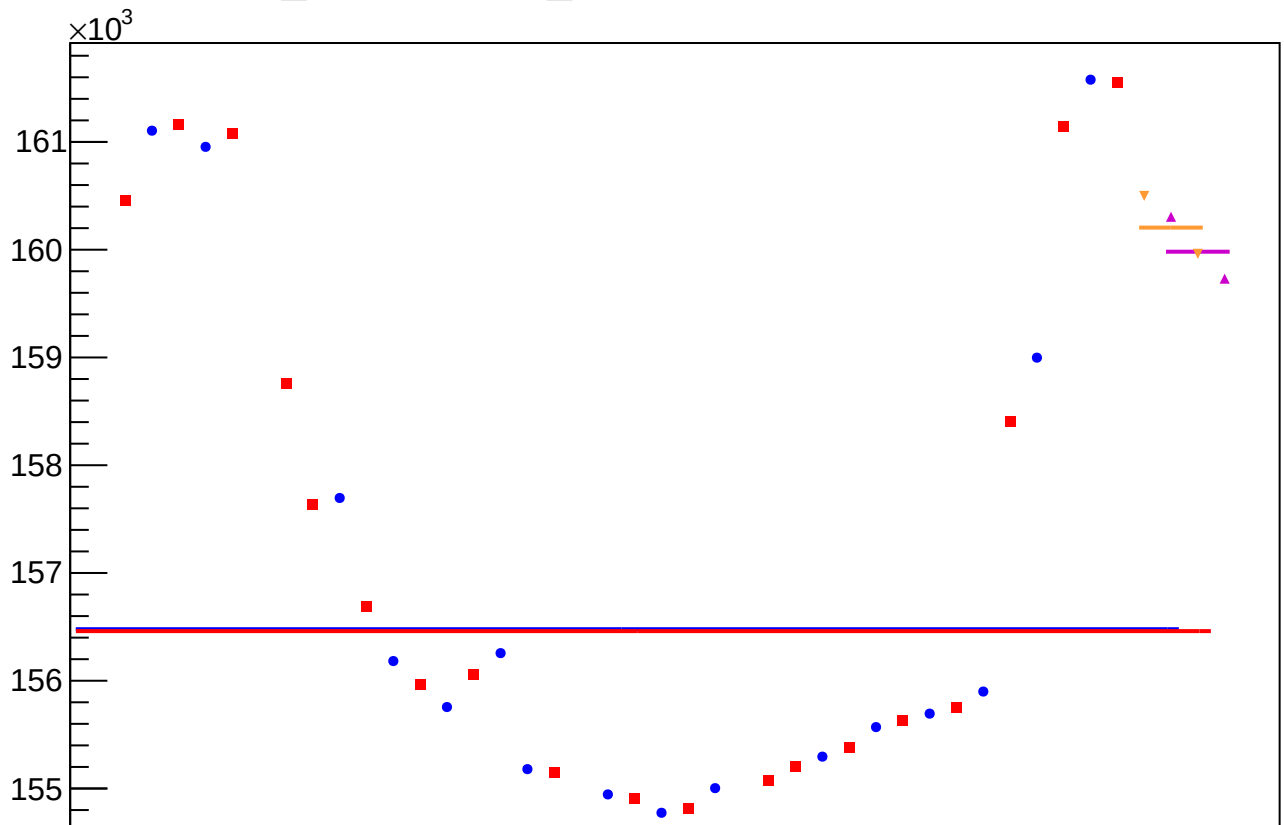
Left: 171.240+/-0.067 χ^2/NDF: 15974.2/3

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 140.943+/-0.036 χ^2/NDF:1540588.2/17

Out: 134.422+/-0.034 χ^2/NDF:1798559.1/20

All: 137.517+/-0.025 χ^2/NDF: 3356788.3/38



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 160205.220+/-0.143 χ^2/NDF:3477374.6/1

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 159981.378+/-0.134 χ^2/NDF:4517003.5/1

Left: 160085.636+/-0.098 χ^2/NDF: 9294592.1/3

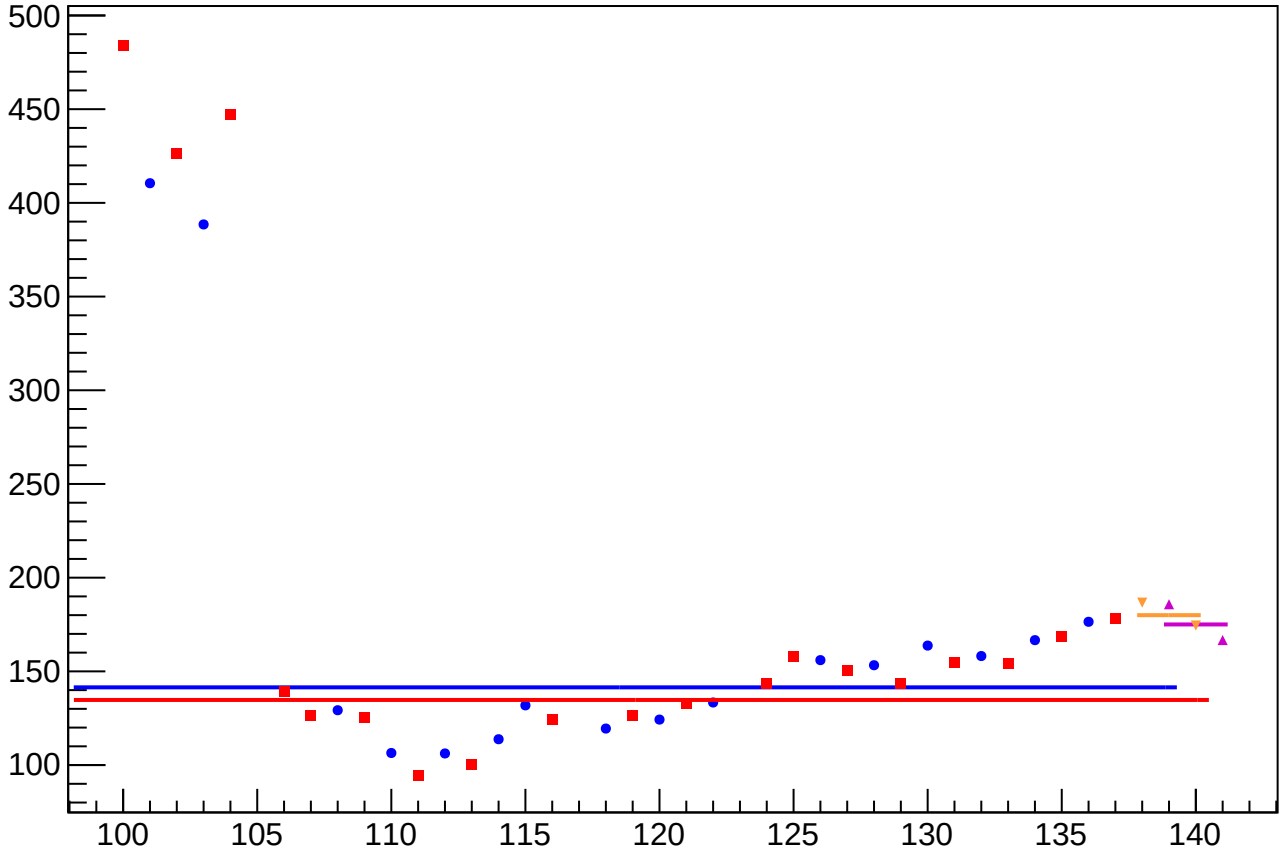
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 157012.267+/-0.052 χ^2/NDF:1873443246.6/17

Out: 156912.026+/-0.050 χ^2/NDF:1703012793.0/2

All: 156959.710+/-0.036 χ^2/NDF: 35783817

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 179.989+/-0.101 χ^2/NDF:3585.1/1

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 175.037+/-0.095 χ^2/NDF:9987.6/1

Left: 177.344+/-0.069 χ^2/NDF: 14845.7/3

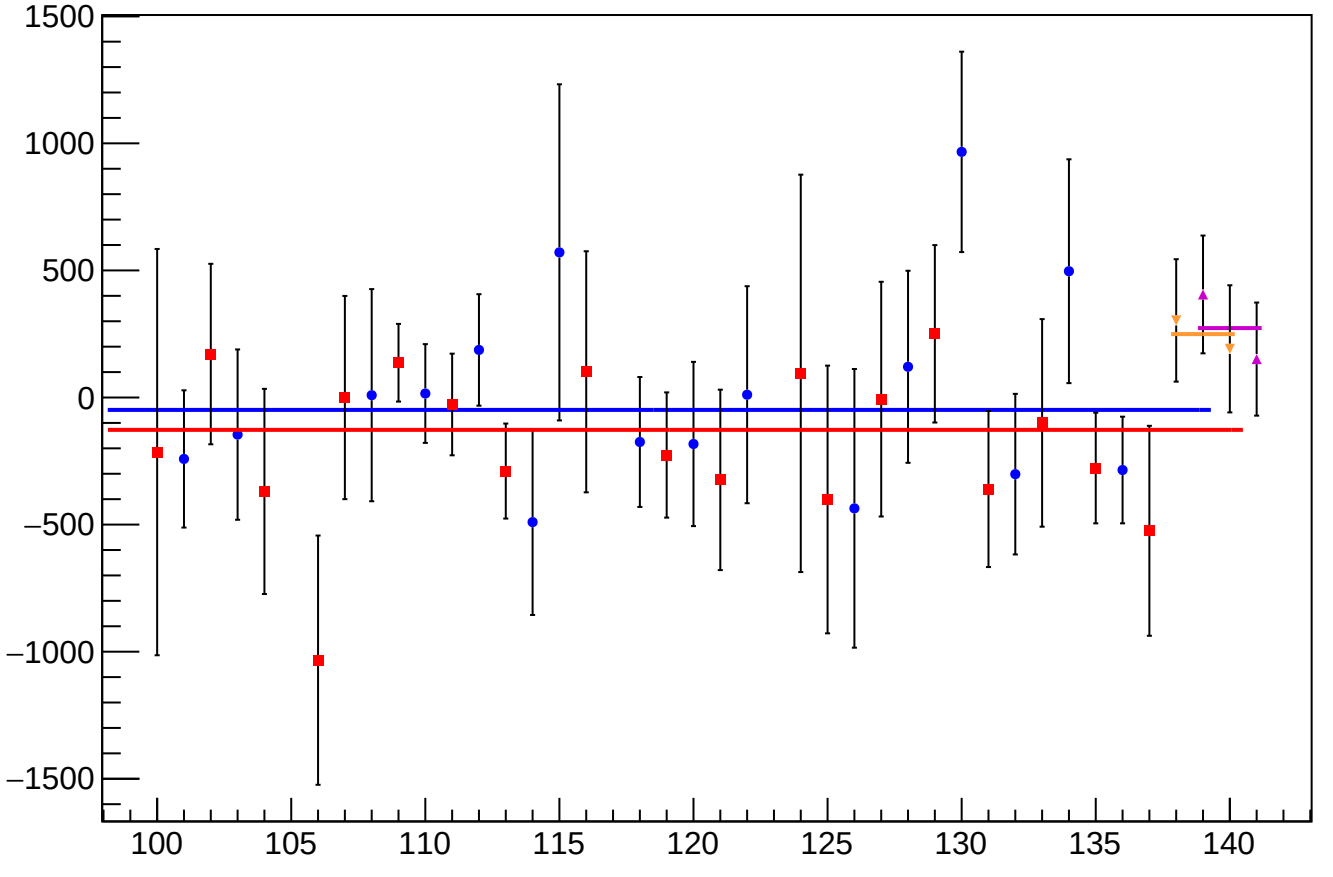
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 146.586+/-0.037 χ^2/NDF:1508332.9/17

Out: 140.200+/-0.035 χ^2/NDF:1757500.6/20

All: 143.238+/-0.026 χ^2/NDF: 3281464.3/38

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 249.511+/-173.485 χ^2/NDF:0.1/1

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 273.127+/-160.479 χ^2/NDF:0.6/1

Left: 262.238+/-117.806 χ^2/NDF: 0.7/3

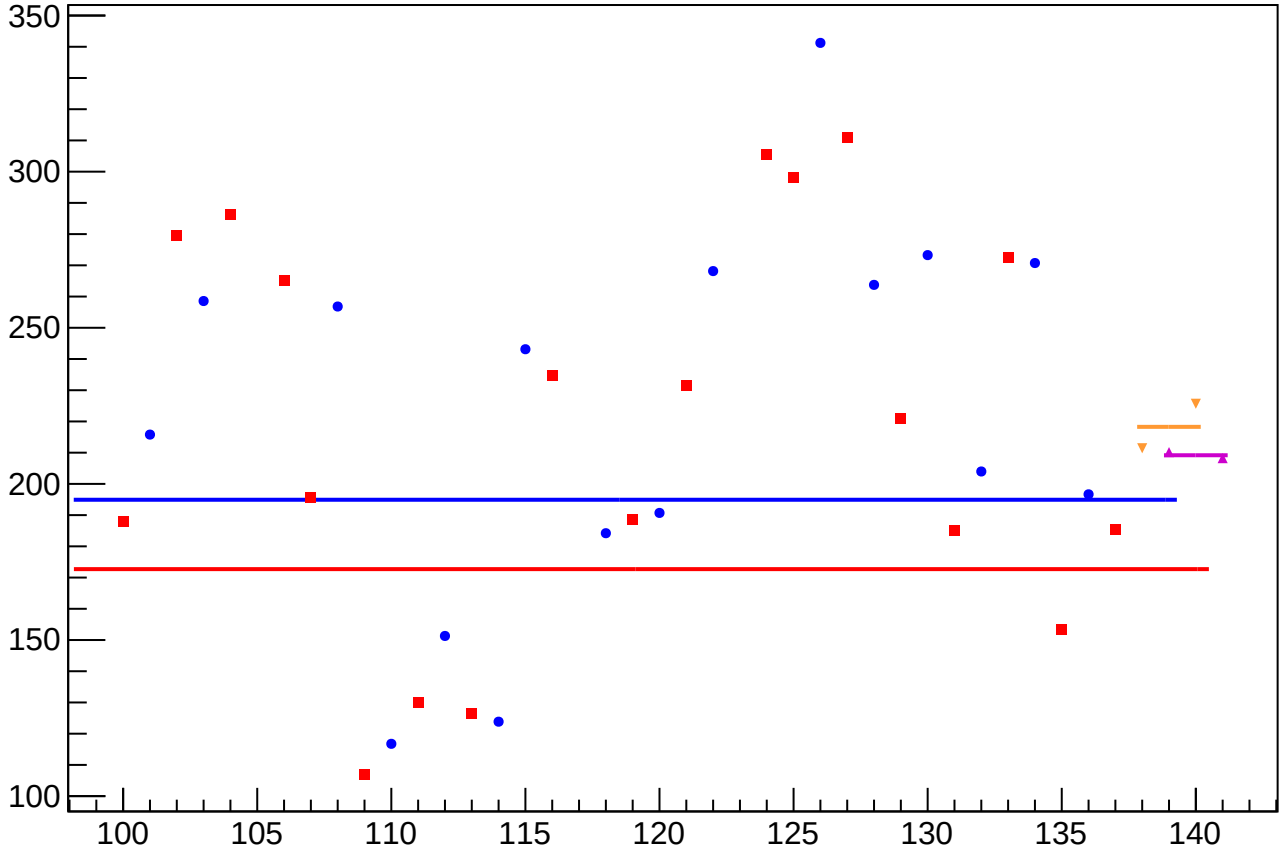
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 10.967+/-69.123 χ^2/NDF:19.3/17

Out: -76.425+/-63.718 χ^2/NDF:17.0/20

All: -36.279+/-46.850 χ^2/NDF: 37.2/38

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 218.271+/-0.123 χ^2/NDF:3368.3/1

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 209.175+/-0.113 χ^2/NDF:72.5/1

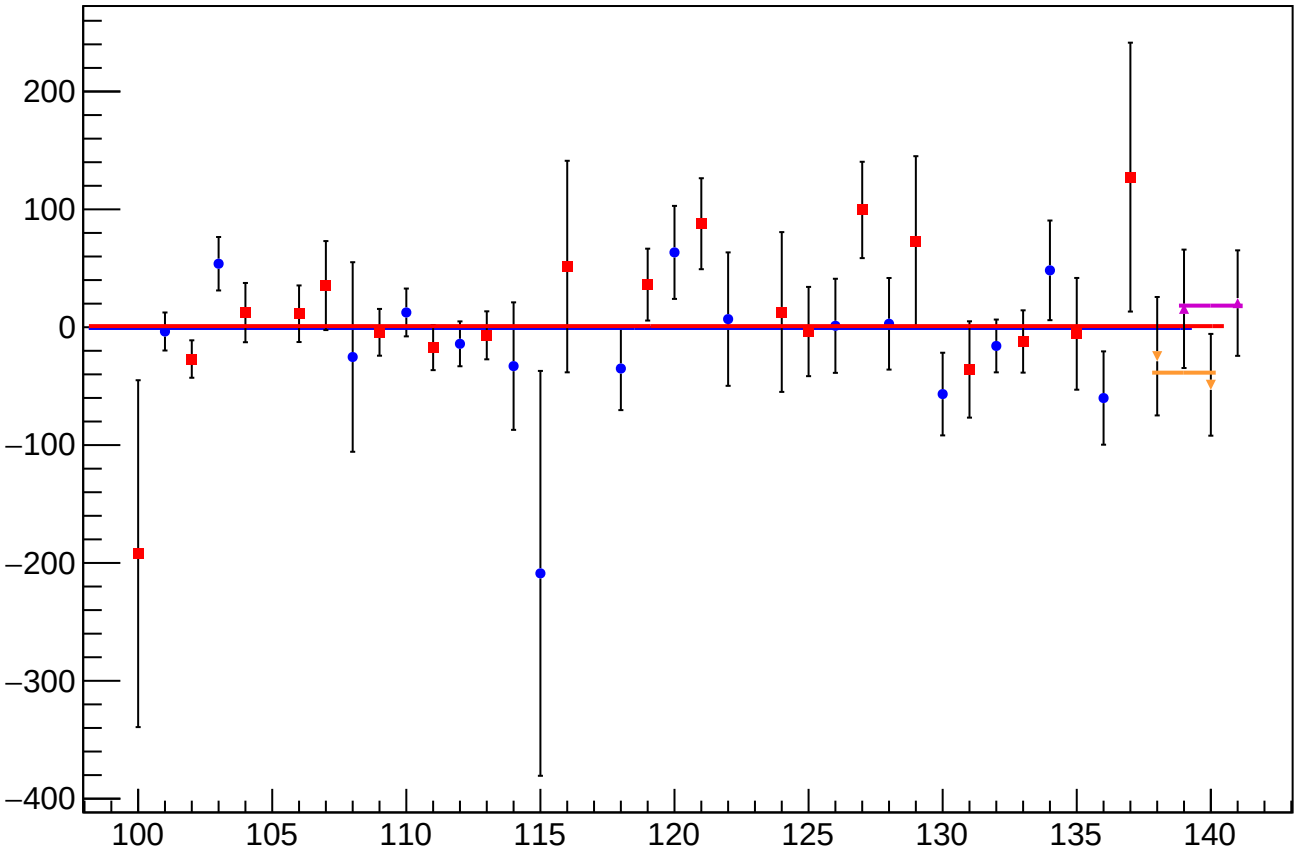
Left: 213.369+/-0.083 χ^2/NDF: 6403.7/3

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 197.567+/-0.049 χ^2/NDF:1041821.9/17

Out: 178.851+/-0.045 χ^2/NDF:1754084.3/20

All: 187.449+/-0.033 χ^2/NDF: 2875175.8/38



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -38.547+/-32.747 χ^2/NDF:0.1/1

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 18.325+/-33.416 χ^2/NDF:0.0/1

Left: -10.686+/-23.389 χ^2/NDF: 1.6/3

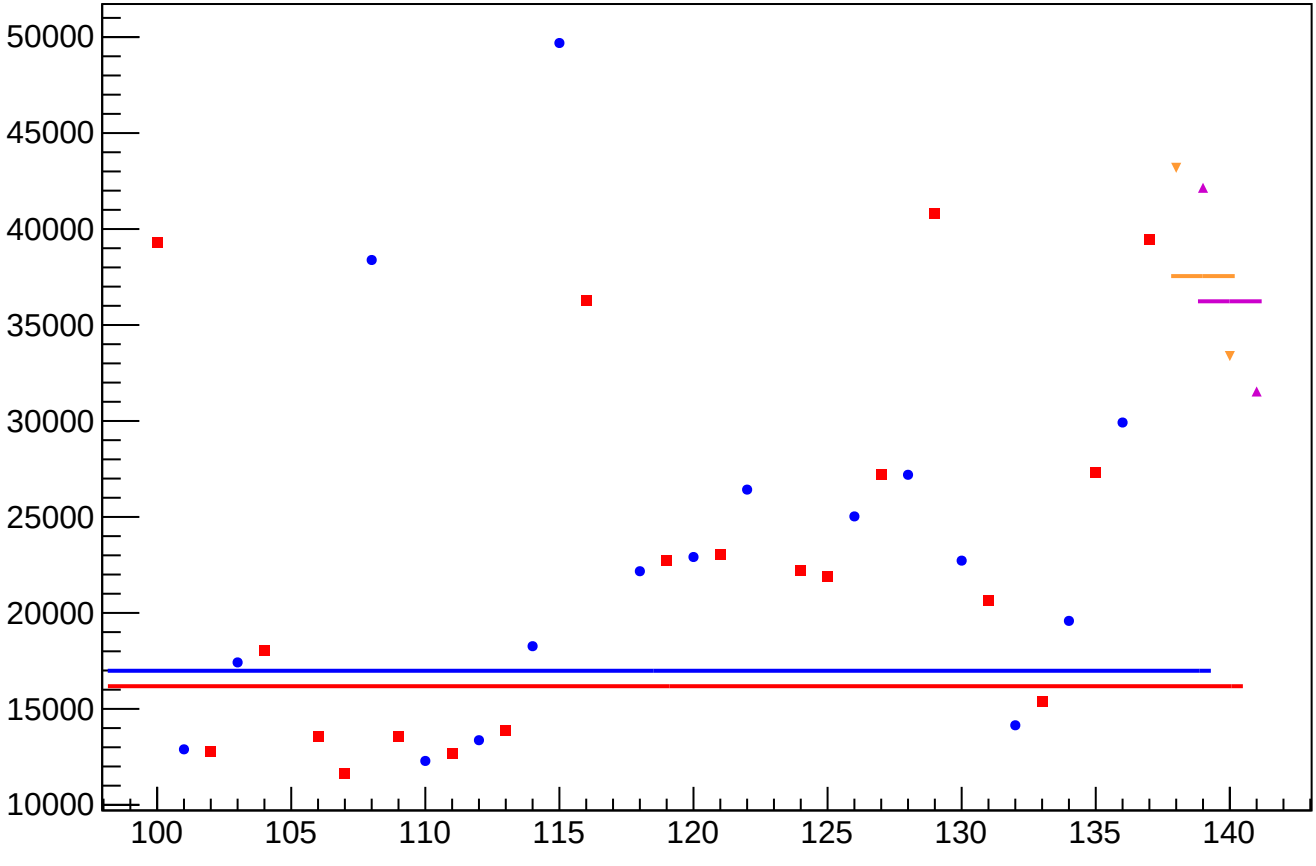
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 0.248+/-7.169 χ^2/NDF:19.2/17

Out: -0.679+/-6.627 χ^2/NDF:24.6/20

All: -0.252+/-4.866 χ^2/NDF: 43.8/38

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 37548.099+/-23.156 χ^2/NDF:43829.8/1

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 36234.824+/-23.629 χ^2/NDF:49766.1/1

Left: 36904.742+/-16.538 χ^2/NDF: 95171.7/3

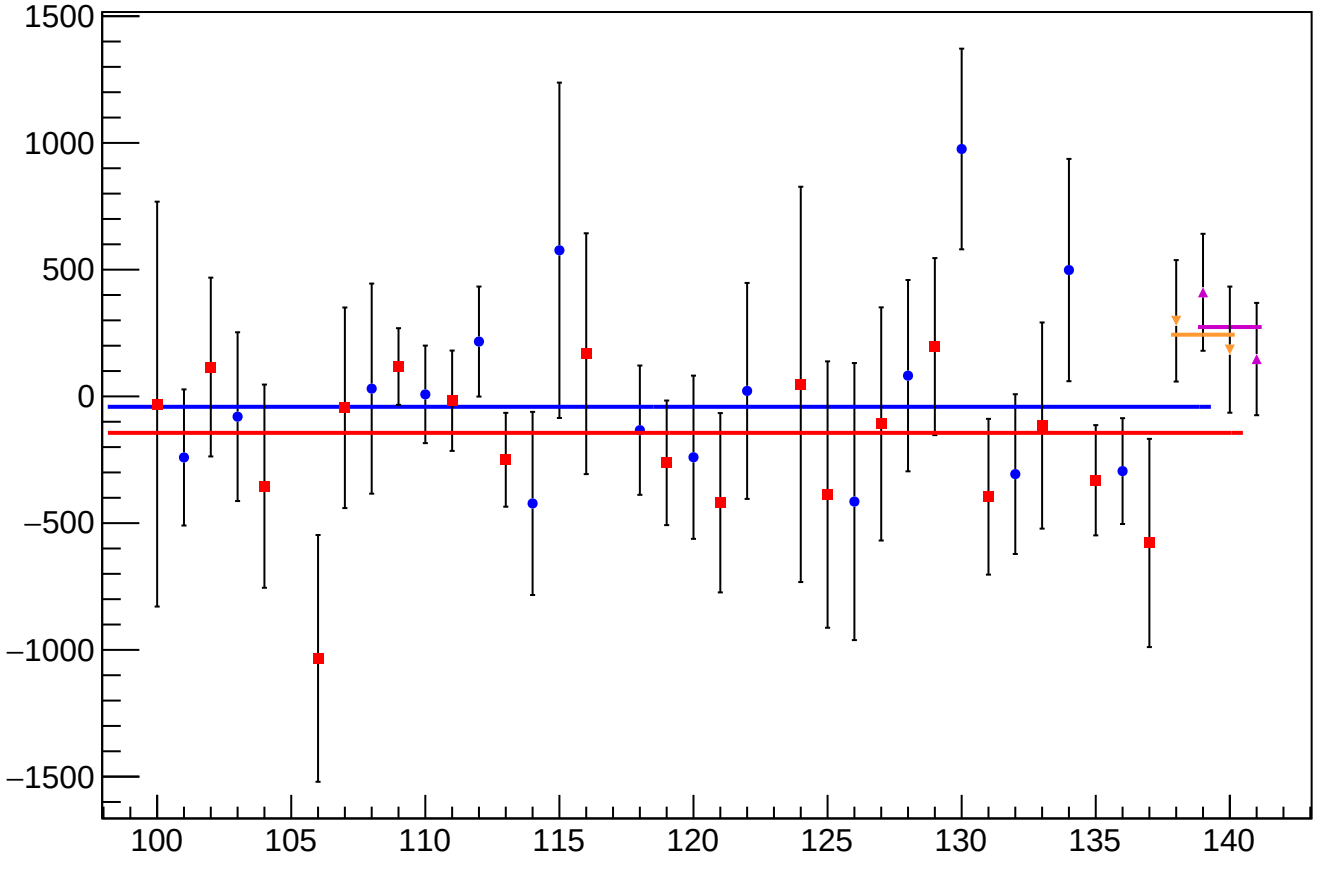
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 17872.398+/-5.070 χ^2/NDF:1876902.7/17

Out: 17056.928+/-4.686 χ^2/NDF:2111850.1/20

All: 17432.656+/-3.441 χ^2/NDF: 4002706.1/3

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 243.440+/-172.603 χ^2/NDF:0.1/1

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 273.699+/-159.807 χ^2/NDF:0.7/1

Left: 259.733+/-117.263 χ^2/NDF: 0.8/3

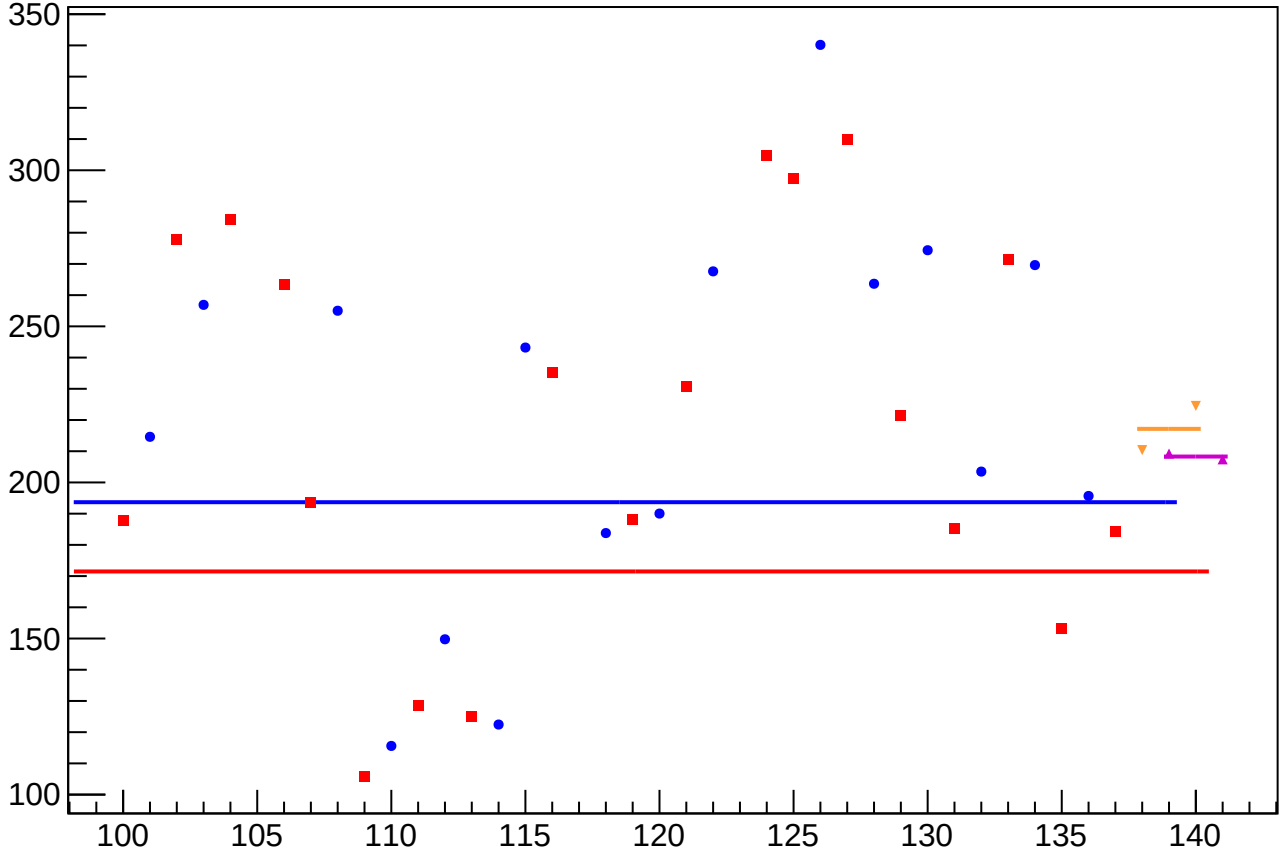
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 17.203+/-68.749 χ^2/NDF:19.3/17

Out: -91.683+/-63.332 χ^2/NDF:17.5/20

All: -41.698+/-46.580 χ^2/NDF: 38.1/38

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 217.167+/-0.122 χ^2/NDF:3356.4/1

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 208.296+/-0.113 χ^2/NDF:66.8/1

Left: 212.390+/-0.083 χ^2/NDF: 6267.9/3

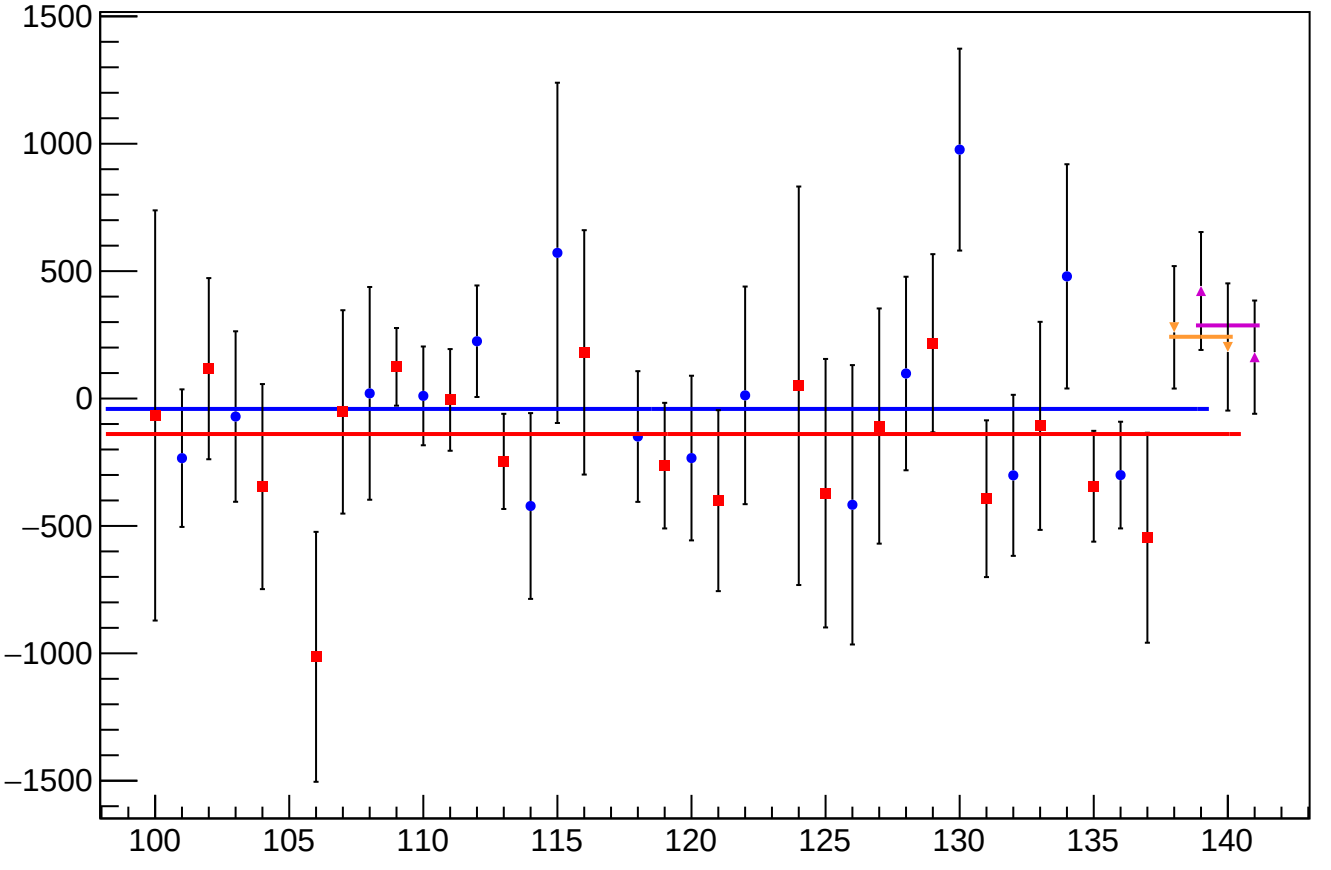
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 196.377+/-0.049 χ^2/NDF:1063490.0/17

Out: 177.634+/-0.045 χ^2/NDF:1777585.9/20

All: 186.238+/-0.033 χ^2/NDF: 2921489.1/38

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 242.385+/-173.141 χ^2/NDF:0.0/1

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 286.975+/-160.284 χ^2/NDF:0.7/1

Left: 266.397+/-117.621 χ^2/NDF: 0.7/3

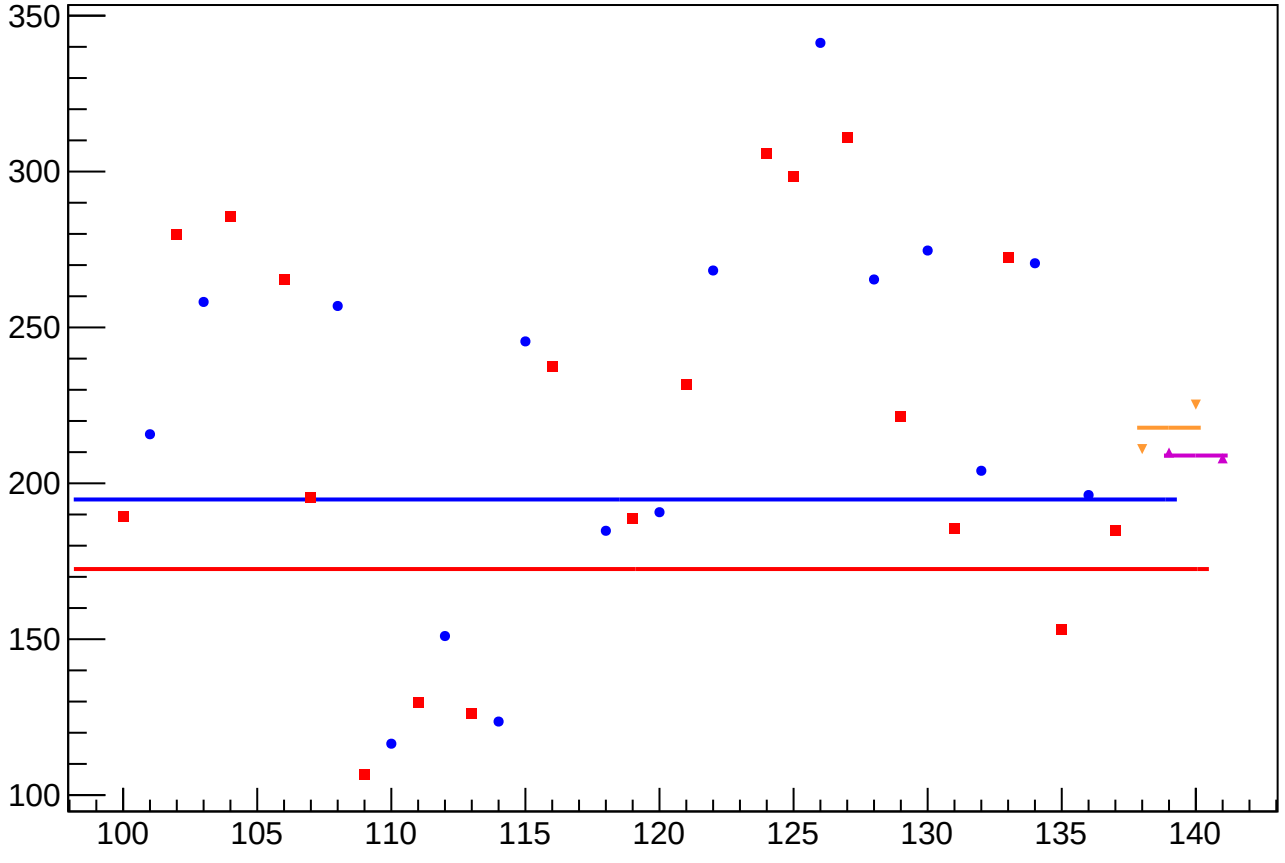
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 20.117+/-69.098 χ^2/NDF:19.4/17

Out: -87.689+/-63.664 χ^2/NDF:17.1/20

All: -38.192+/-46.820 χ^2/NDF: 37.9/38

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 217.839+/-0.122 χ^2/NDF:3392.3/1

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 208.915+/-0.113 χ^2/NDF:67.7/1

Left: 213.034+/-0.083 χ^2/NDF: 6321.5/3

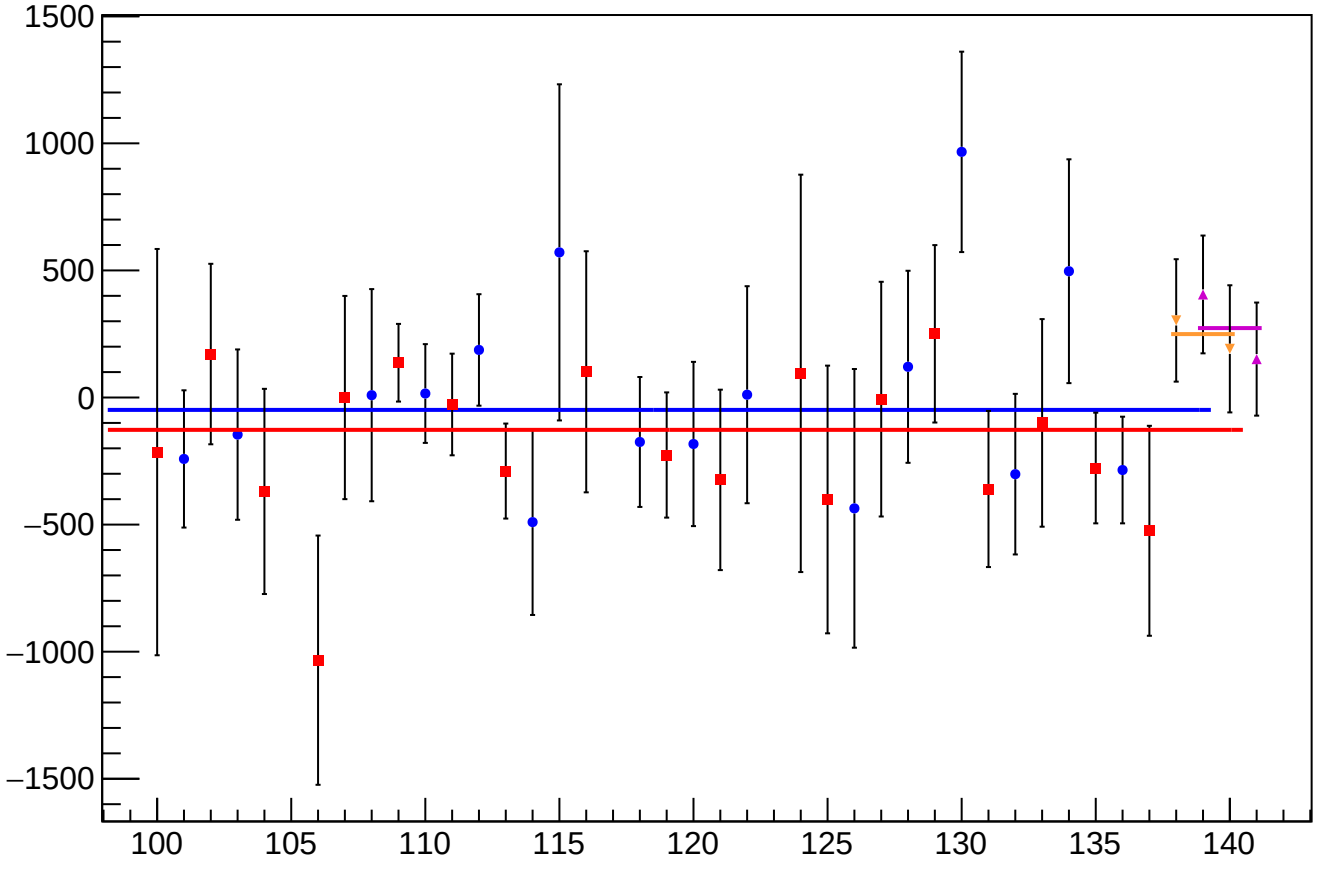
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 197.439+/-0.049 χ^2/NDF:1051757.0/17

Out: 178.636+/-0.045 χ^2/NDF:1764019.8/20

All: 187.269+/-0.033 χ^2/NDF: 2895881.4/38

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 249.511+/-173.485 χ^2/NDF:0.1/1

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 273.127+/-160.479 χ^2/NDF:0.6/1

Left: 262.238+/-117.806 χ^2/NDF: 0.7/3

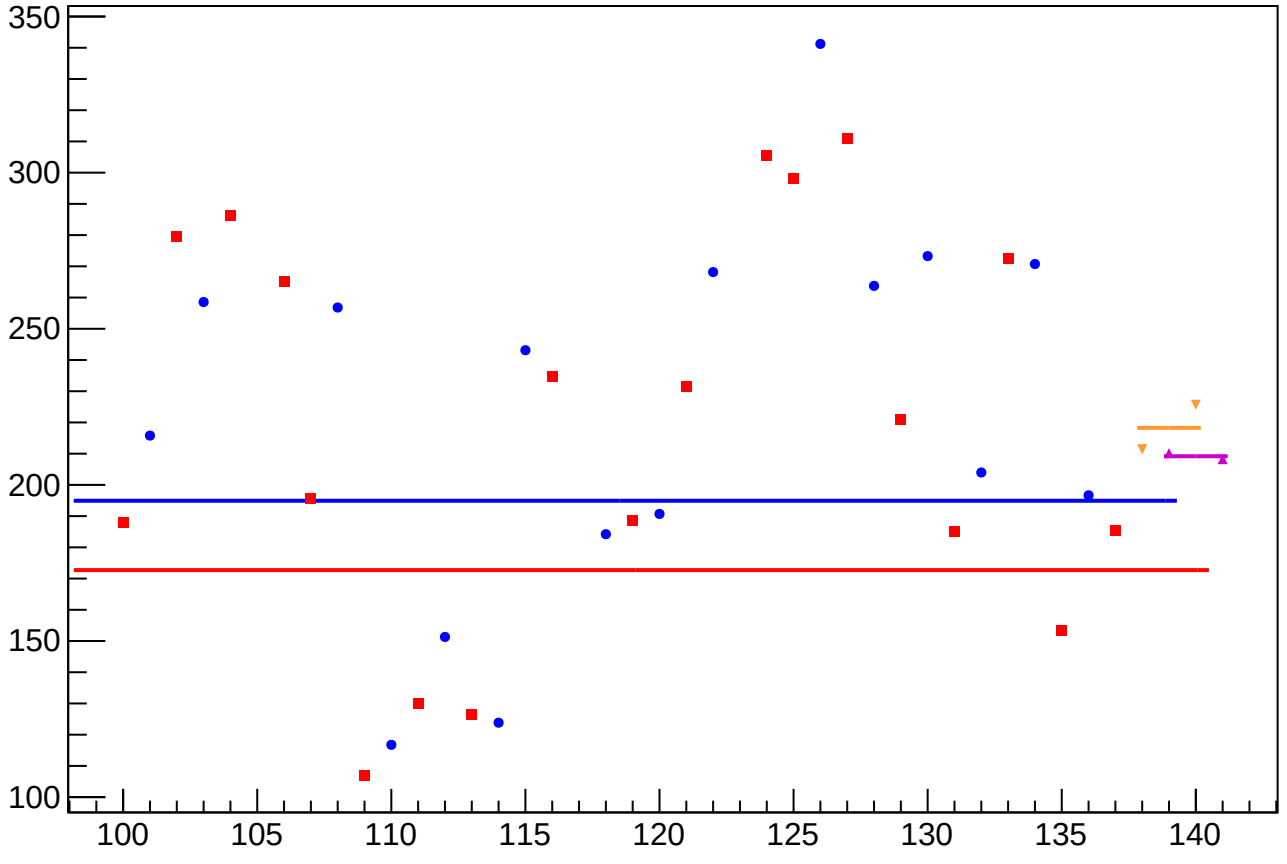
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 10.967+/-69.123 χ^2/NDF:19.3/17

Out: -76.425+/-63.718 χ^2/NDF:17.0/20

All: -36.279+/-46.850 χ^2/NDF: 37.2/38

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 218.271+/-0.123 χ^2/NDF:3368.3/1

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 209.175+/-0.113 χ^2/NDF:72.5/1

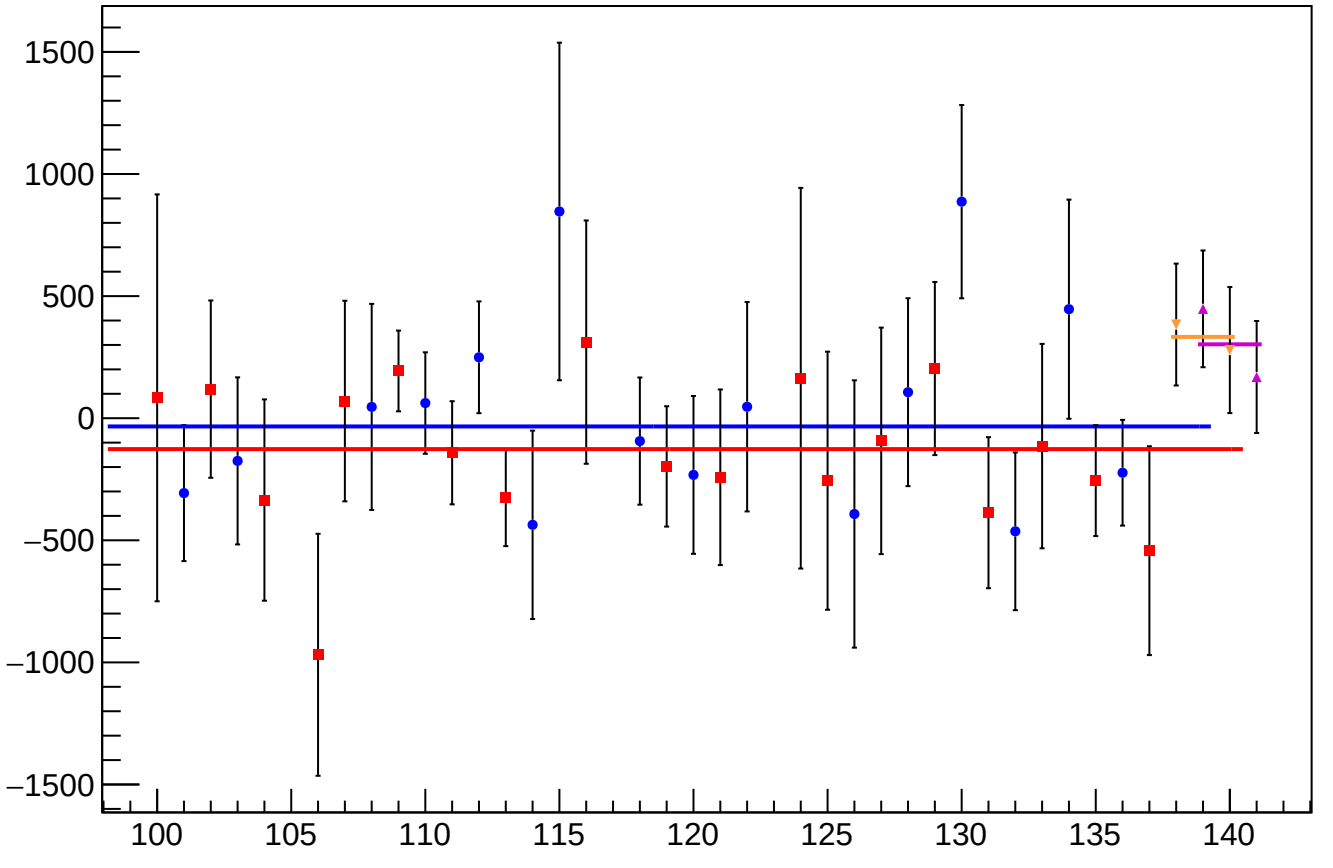
Left: 213.369+/-0.083 χ^2/NDF: 6403.7/3

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 197.567+/-0.049 χ^2/NDF:1041821.9/17

Out: 178.851+/-0.045 χ^2/NDF:1754084.3/20

All: 187.449+/-0.033 χ^2/NDF: 2875175.8/38



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 333.044+/-179.418 χ^2/NDF:0.1/1

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 302.571+/-165.501 χ^2/NDF:0.7/1

Left: 316.580+/-121.650 χ^2/NDF: 0.8/3

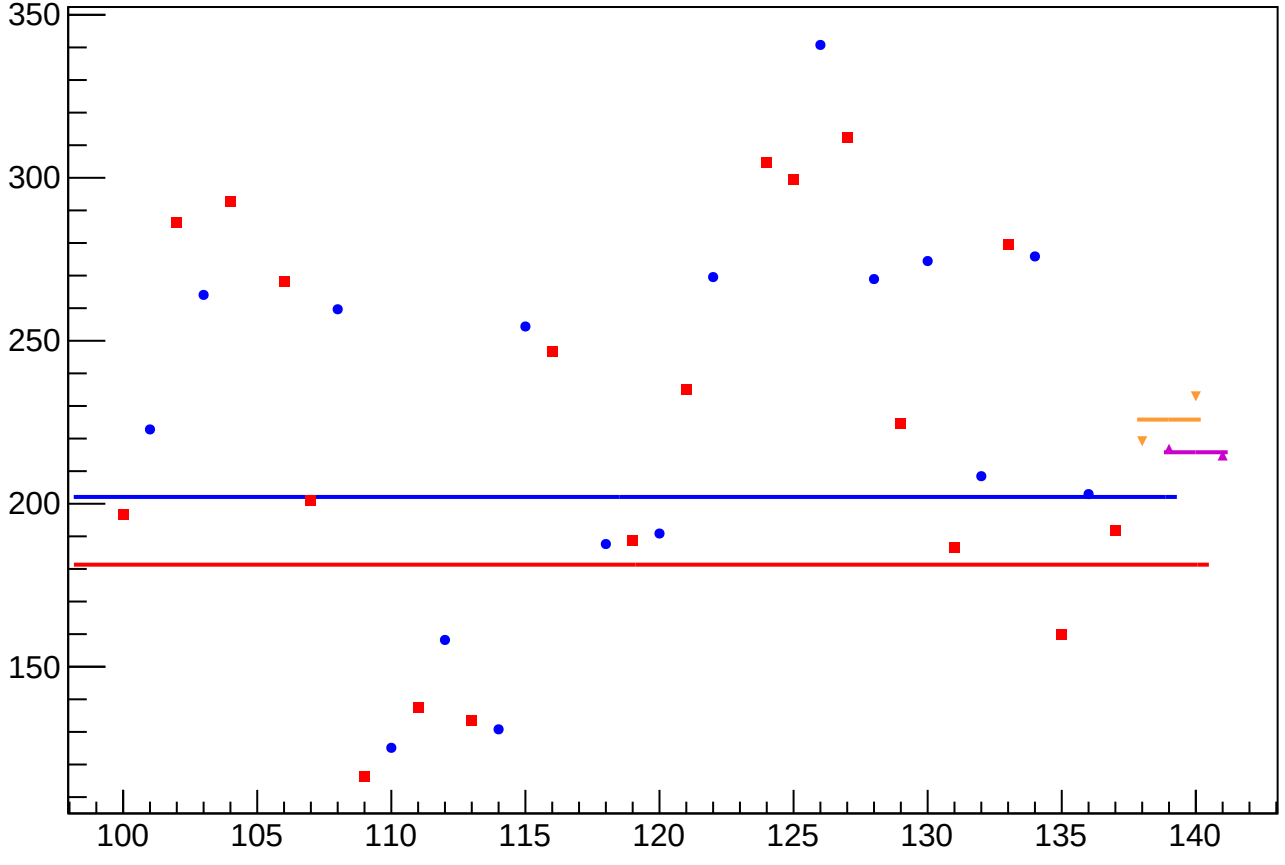
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 28.671+/-71.291 χ^2/NDF:19.8/17

Out: -63.866+/-66.267 χ^2/NDF:18.4/20

All: -20.973+/-48.537 χ^2/NDF: 39.2/38

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 225.824+/-0.127 χ^2/NDF:2946.3/1

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 215.800+/-0.117 χ^2/NDF:76.5/1

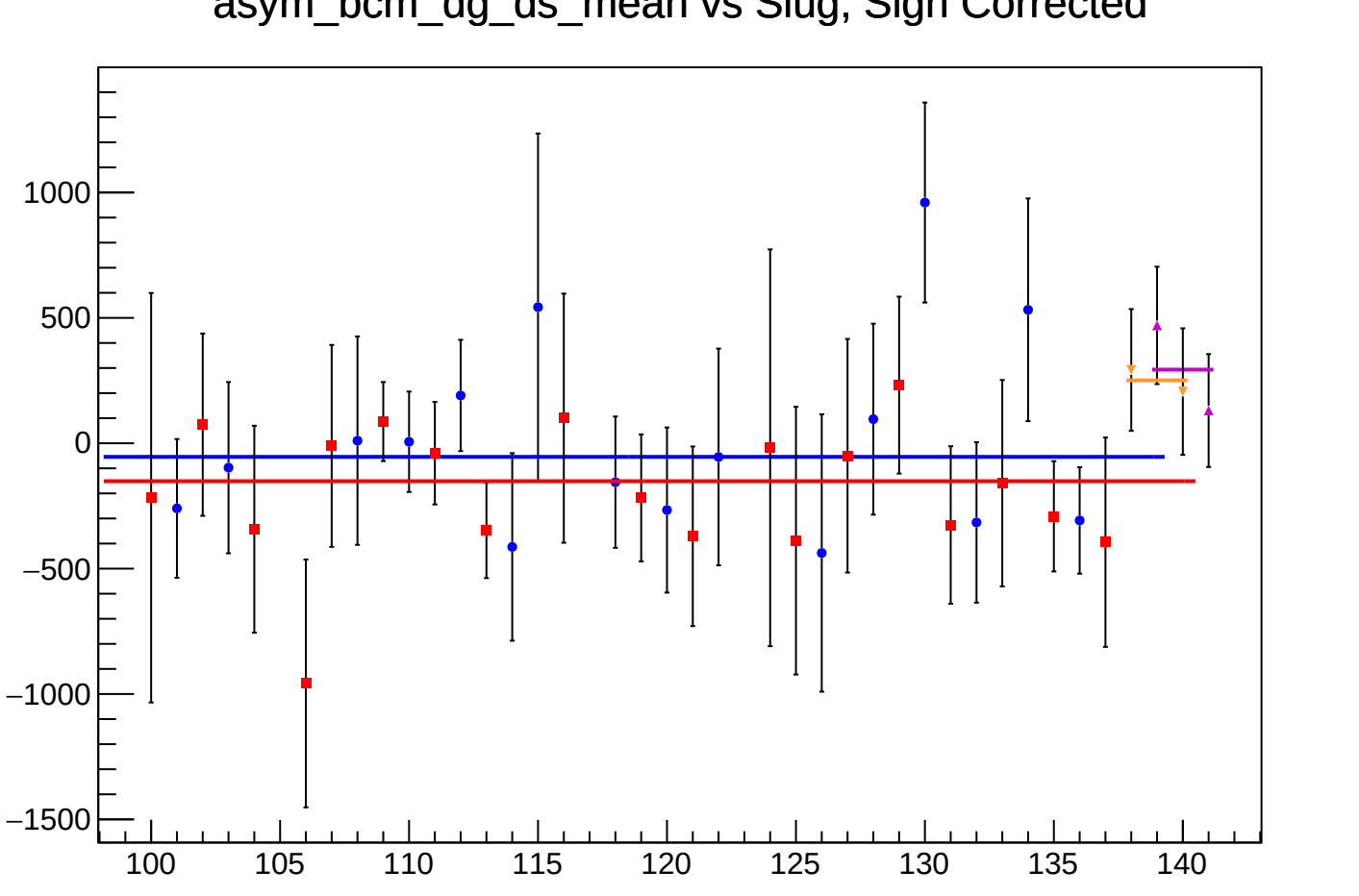
Left: 220.408+/-0.086 χ^2/NDF: 6395.8/3

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 204.634+/-0.050 χ^2/NDF:921513.7/17

Out: 187.384+/-0.047 χ^2/NDF:1550241.0/20

All: 195.380+/-0.034 χ^2/NDF: 2534571.3/38



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 250.886+/-174.948 χ^2/NDF:0.1/1

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 293.625+/-162.243 χ^2/NDF:1.1/1

Left: 273.864+/-118.961 χ^2/NDF: 1.2/3

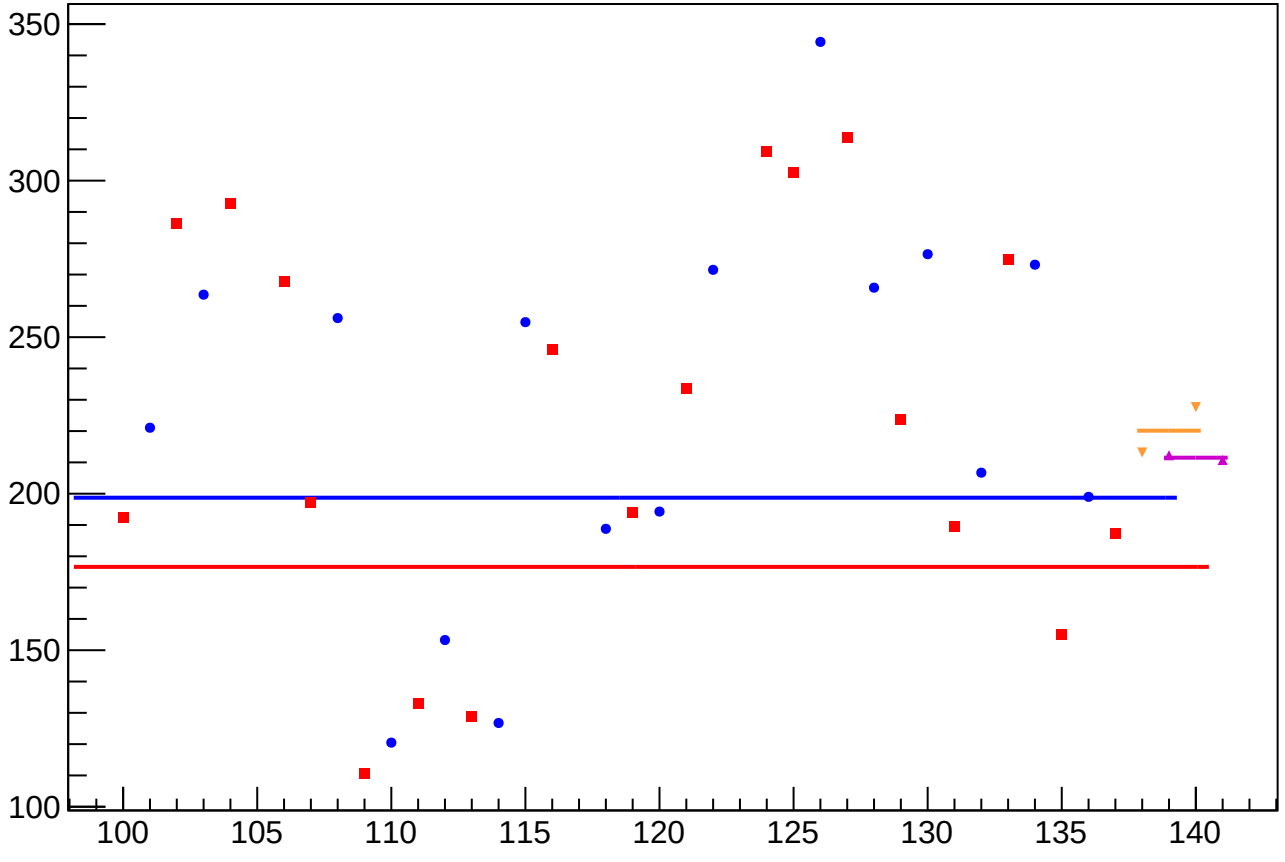
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 10.983+/-70.258 χ^2/NDF:19.9/17

Out: -95.982+/-64.912 χ^2/NDF:14.9/20

All: -46.724+/-47.678 χ^2/NDF: 36.0/38

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 220.127+/-0.124 χ^2/NDF:3425.0/1

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 211.500+/-0.115 χ^2/NDF:44.0/1

Left: 215.489+/-0.084 χ^2/NDF: 6083.7/3

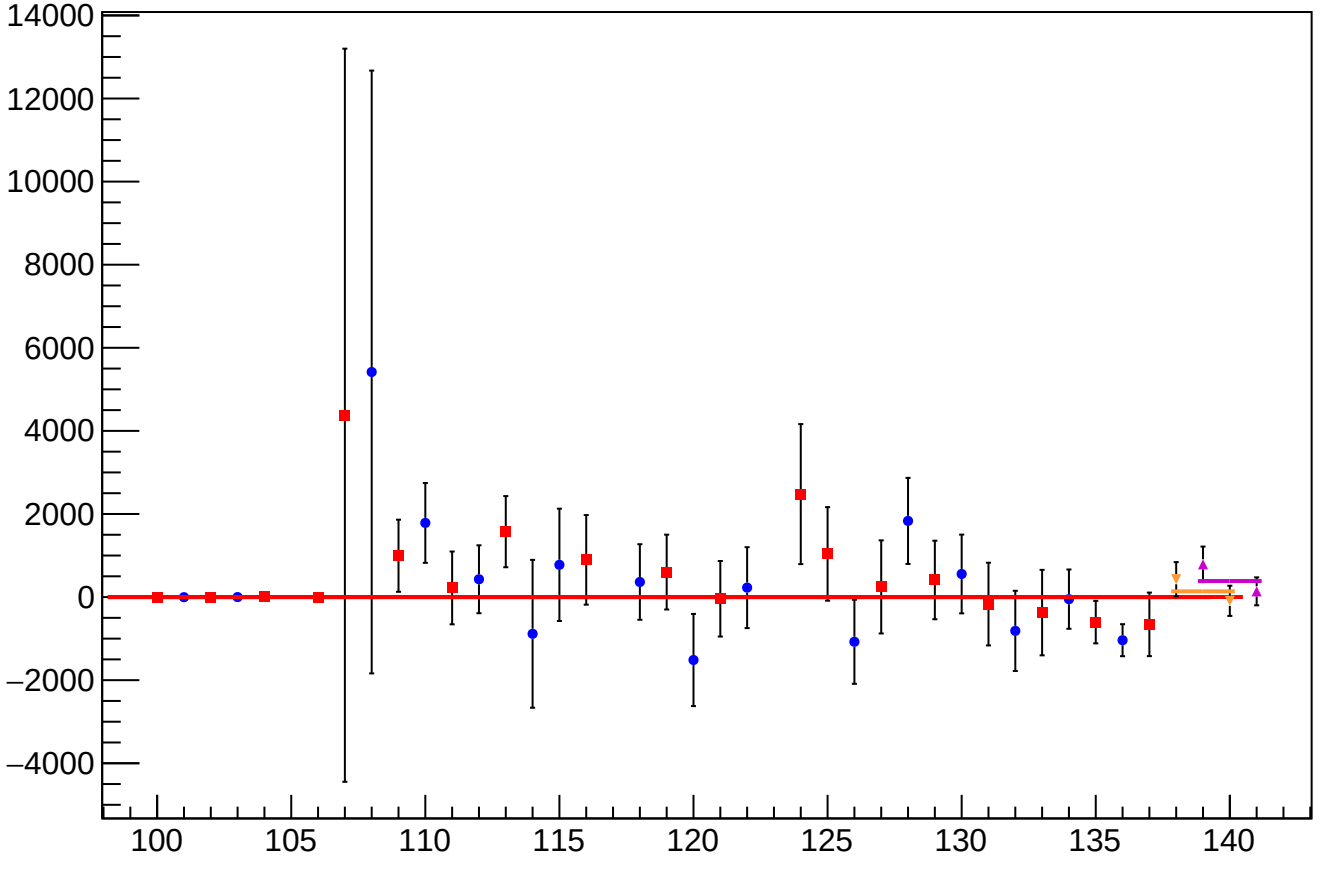
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 201.115+/-0.050 χ^2/NDF:1004197.4/17

Out: 182.611+/-0.046 χ^2/NDF:1705787.6/20

All: 191.132+/-0.034 χ^2/NDF: 2784832.0/38

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 137.381+/-272.571 χ^2/NDF:0.9/1

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 386.088+/-264.439 χ^2/NDF:1.4/1

Left: 265.500+/-189.796 χ^2/NDF: 2.7/3

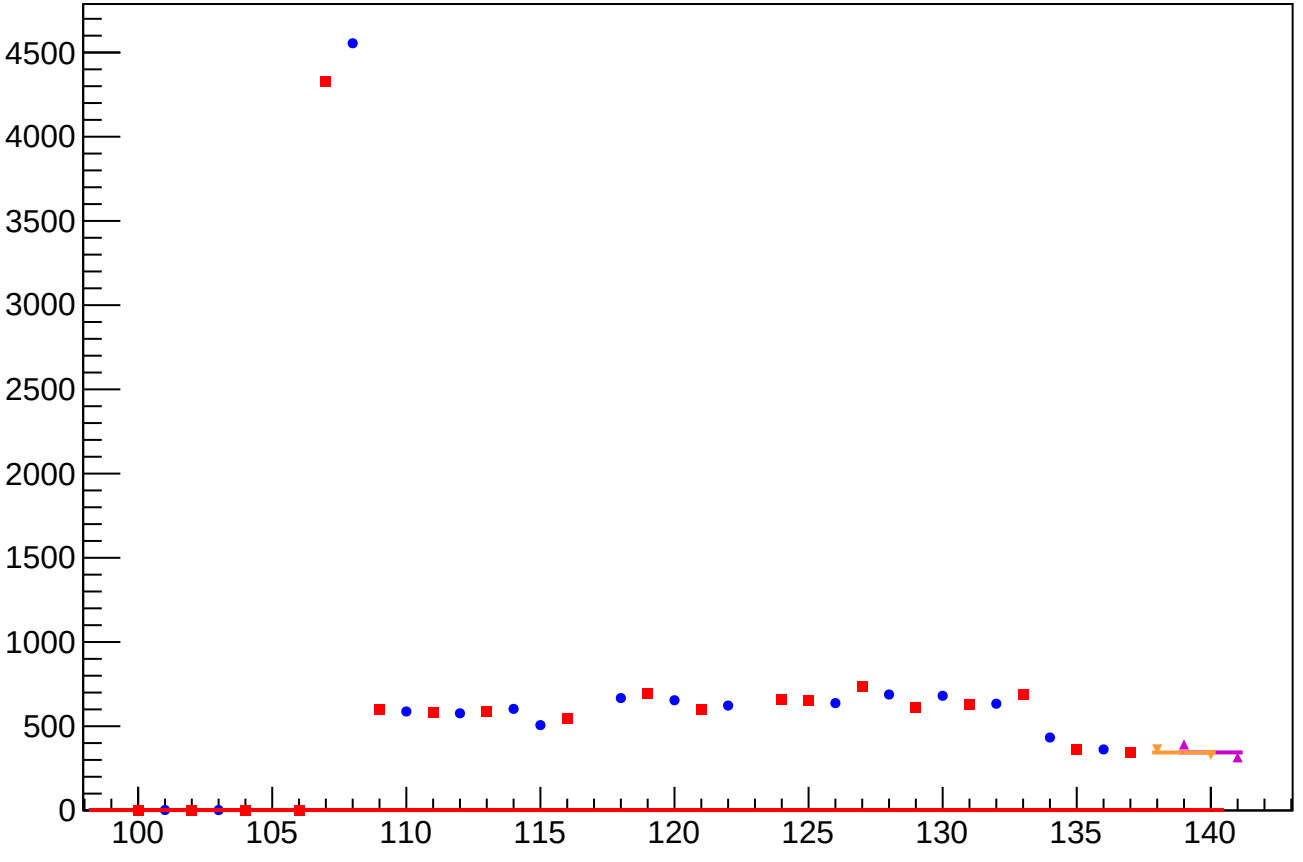
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.213+/-2.171 χ^2/NDF:23.5/17

Out: 1.385+/-2.022 χ^2/NDF:18.0/20

All: 0.178+/-1.480 χ^2/NDF: 42.2/38

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 344.015+/-0.193 χ^2/NDF:7272.1/1

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 344.630+/-0.187 χ^2/NDF:39245.7/1

Left: 344.332+/-0.134 χ^2/NDF: 46523.0/3

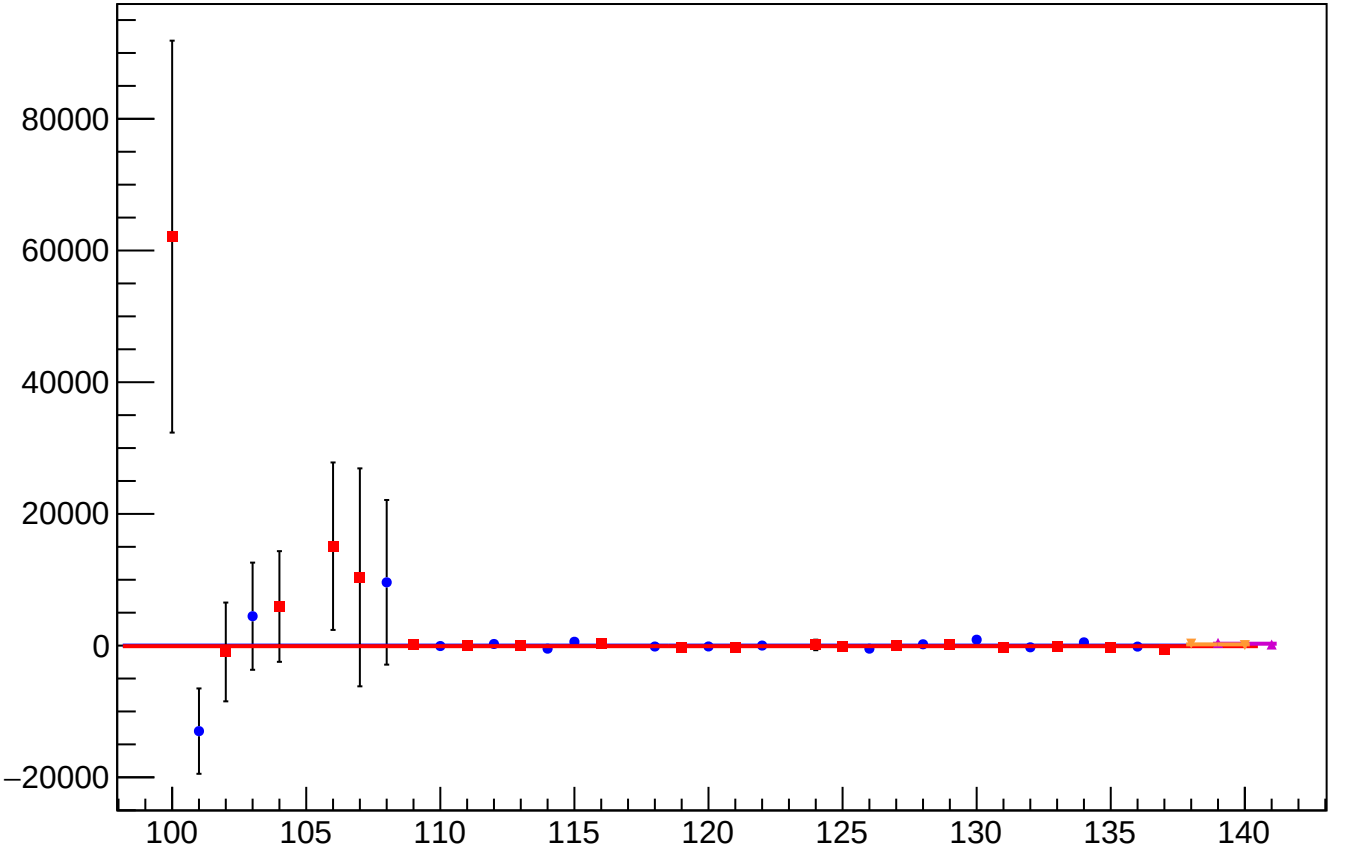
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.500+/-0.002 χ^2/NDF:15013486.4/17

Out: 2.481+/-0.001 χ^2/NDF:14692954.3/20

All: 2.490+/-0.001 χ^2/NDF: 29706521.0/38

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 185.977+/-173.046 χ^2/NDF:0.4/1

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 287.774+/-161.539 χ^2/NDF:0.6/1

Left: 240.373+/-118.084 χ^2/NDF: 1.2/3

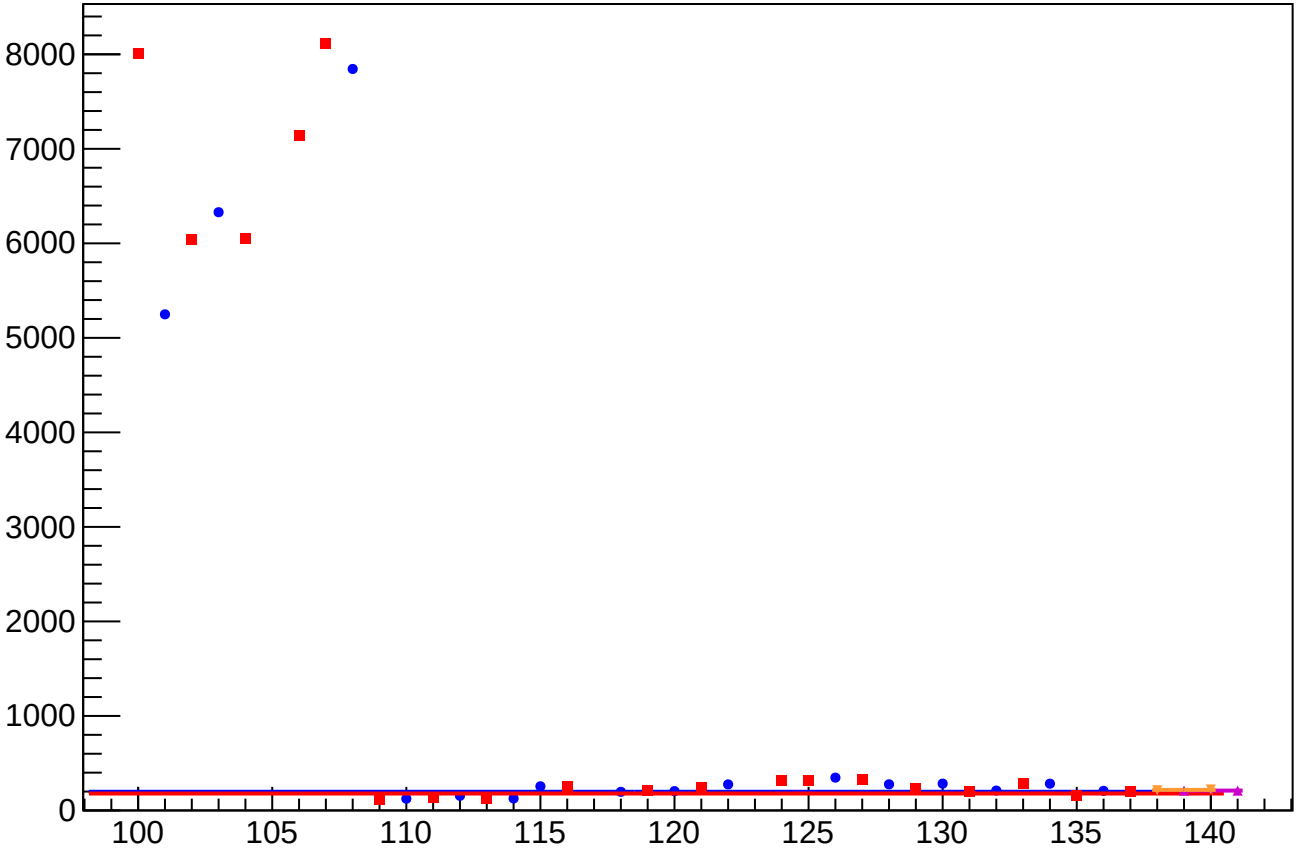
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 66.097+/-77.157 χ^2/NDF:19.9/17

Out: -38.229+/-73.809 χ^2/NDF:17.3/20

All: 11.622+/-53.335 χ^2/NDF: 38.2/38

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 217.429+/-0.122 χ^2/NDF:1235.6/1

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 210.104+/-0.114 χ^2/NDF:19.8/1

Left: 213.515+/-0.083 χ^2/NDF: 3170.4/3

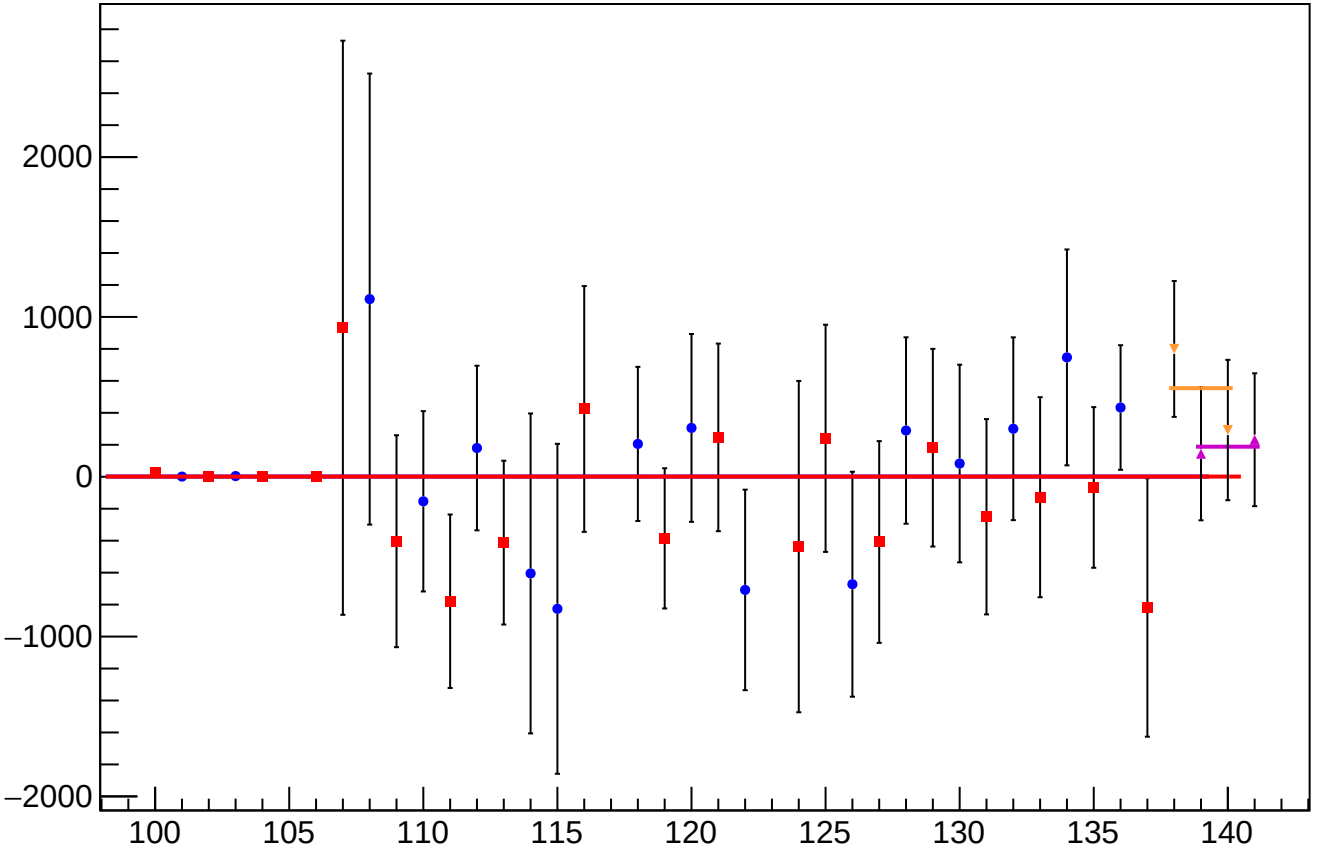
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 200.468+/-0.055 χ^2/NDF:3966432.5/17

Out: 186.196+/-0.052 χ^2/NDF:4499302.2/20

All: 193.015+/-0.038 χ^2/NDF: 8501467.2/38

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 554.290+/-305.399 χ^2/NDF:0.7/1

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 188.116+/-294.329 χ^2/NDF:0.0/1

Left: 364.446+/-211.927 χ^2/NDF: 1.5/3

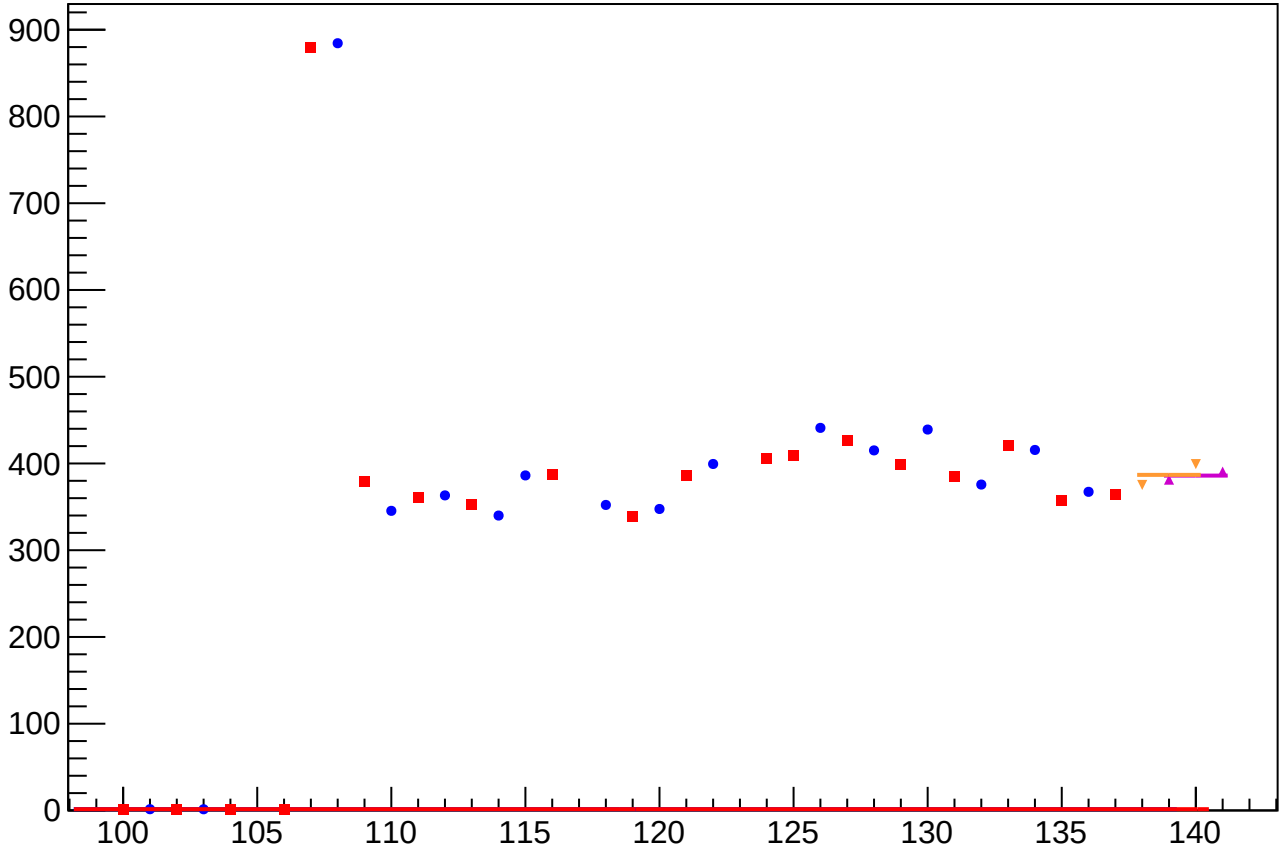
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.462+/-1.660 χ^2/NDF:8.3/17

Out: 1.107+/-1.528 χ^2/NDF:13.1/20

All: 1.270+/-1.124 χ^2/NDF: 21.5/38

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 386.853+/-0.216 χ^2/NDF:3092.0/1

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 386.012+/-0.208 χ^2/NDF:497.5/1

Left: 386.417+/-0.150 χ^2/NDF: 3597.3/3

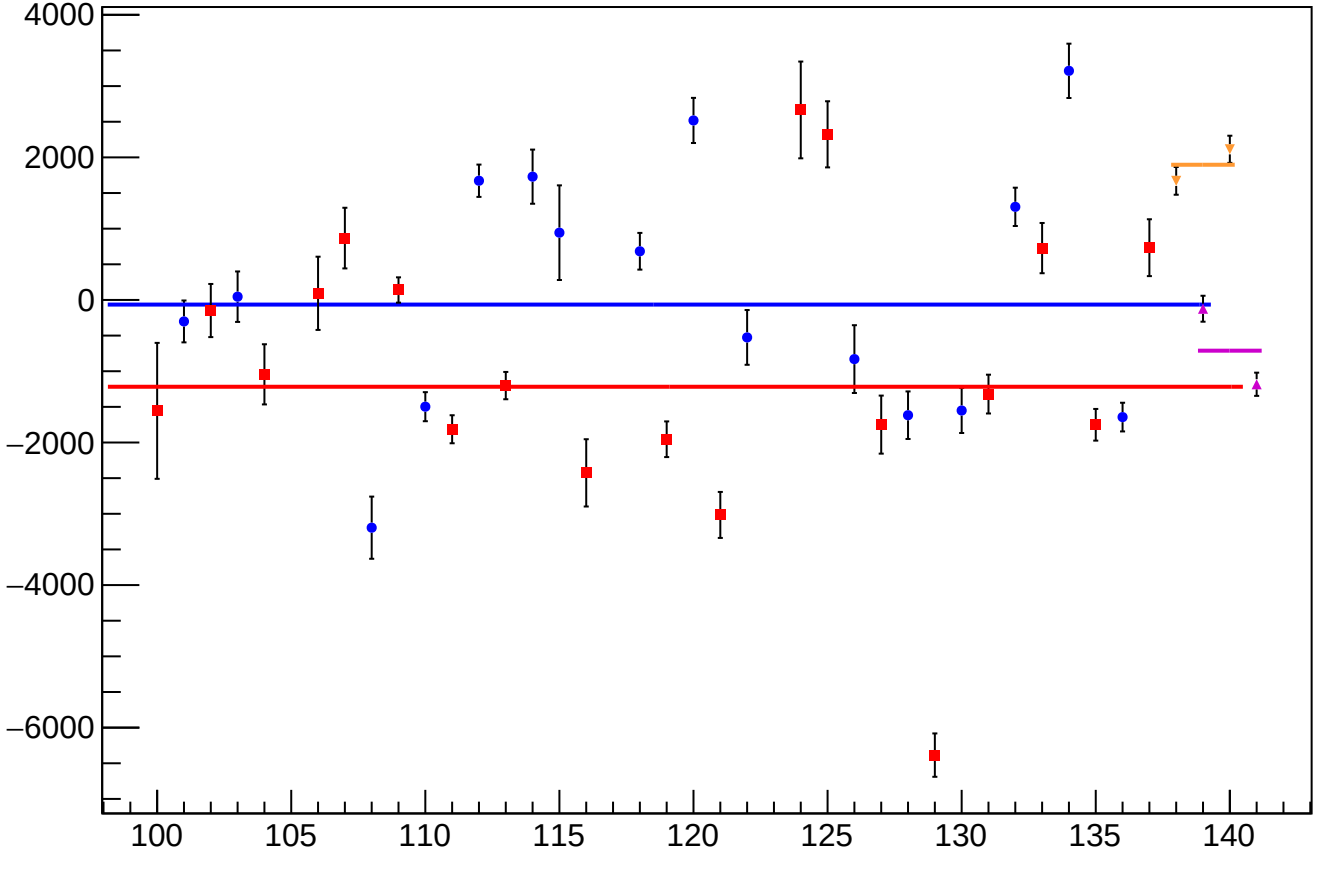
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.482+/-0.001 χ^2/NDF:15149636.1/17

Out: 1.477+/-0.001 χ^2/NDF:14458280.1/20

All: 1.479+/-0.001 χ^2/NDF: 29607928.6/38

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1896.611+/-136.139 χ^2/NDF:2.6/1

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -711.679+/-121.339 χ^2/NDF:18.8/1

Left: 443.038+/-90.582 χ^2/NDF: 226.0/3

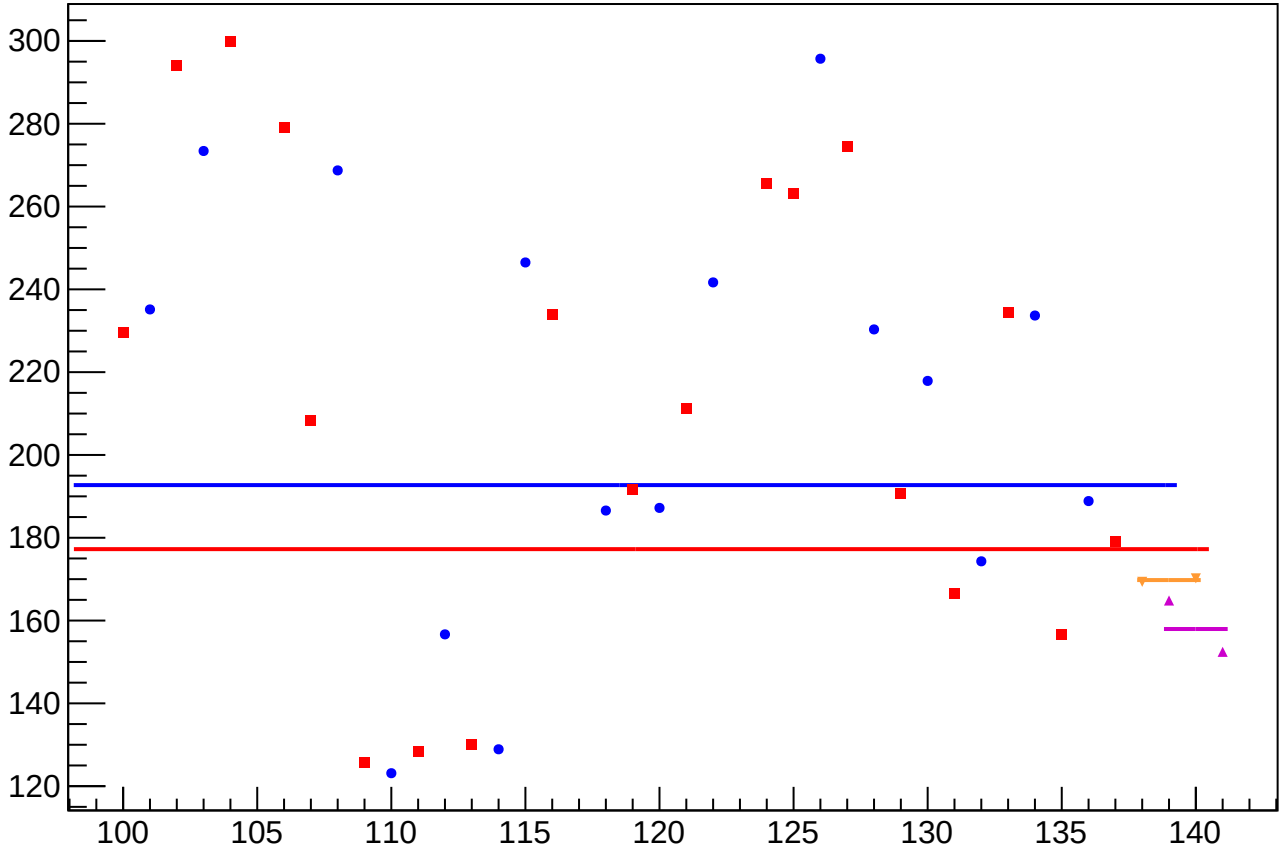
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -243.399+/-63.732 χ^2/NDF:508.9/17

Out: -580.985+/-61.562 χ^2/NDF:1013.6/20

All: -418.038+/-44.278 χ^2/NDF: 1537.0/38

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 169.781+/-0.096 χ^2/NDF:19.0/1

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 157.960+/-0.086 χ^2/NDF:5155.3/1

Left: 163.193+/-0.064 χ^2/NDF: 13576.9/3

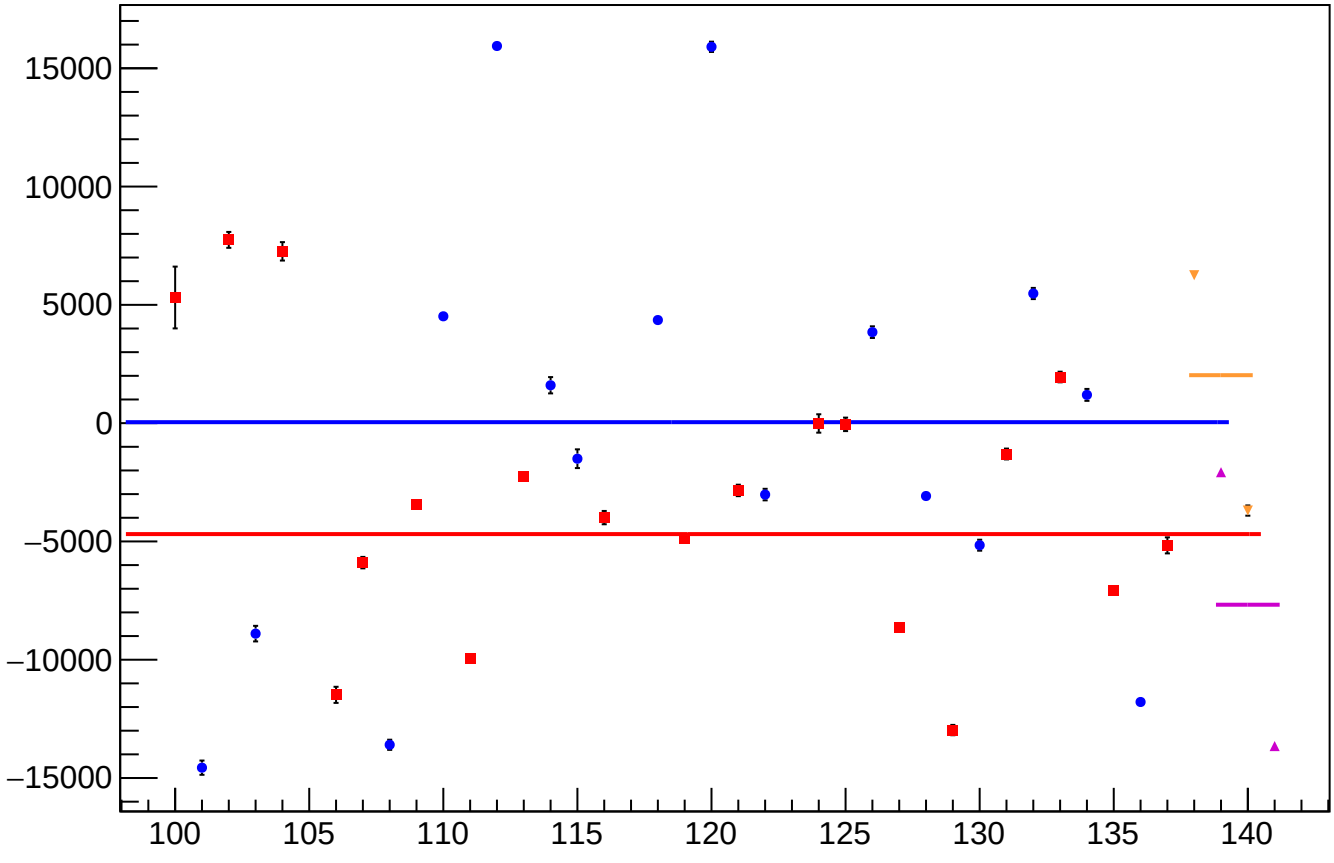
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 183.130+/-0.045 χ^2/NDF:883144.0/17

Out: 175.724+/-0.044 χ^2/NDF:1230990.2/20

All: 179.299+/-0.031 χ^2/NDF: 2128106.5/38

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 2027.220+/-141.051 χ^2/NDF:1215.1/1

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7675.269+/-135.766 χ^2/NDF:1815.7/1

Left: -3009.189+/-97.816 χ^2/NDF: 5486.9/3

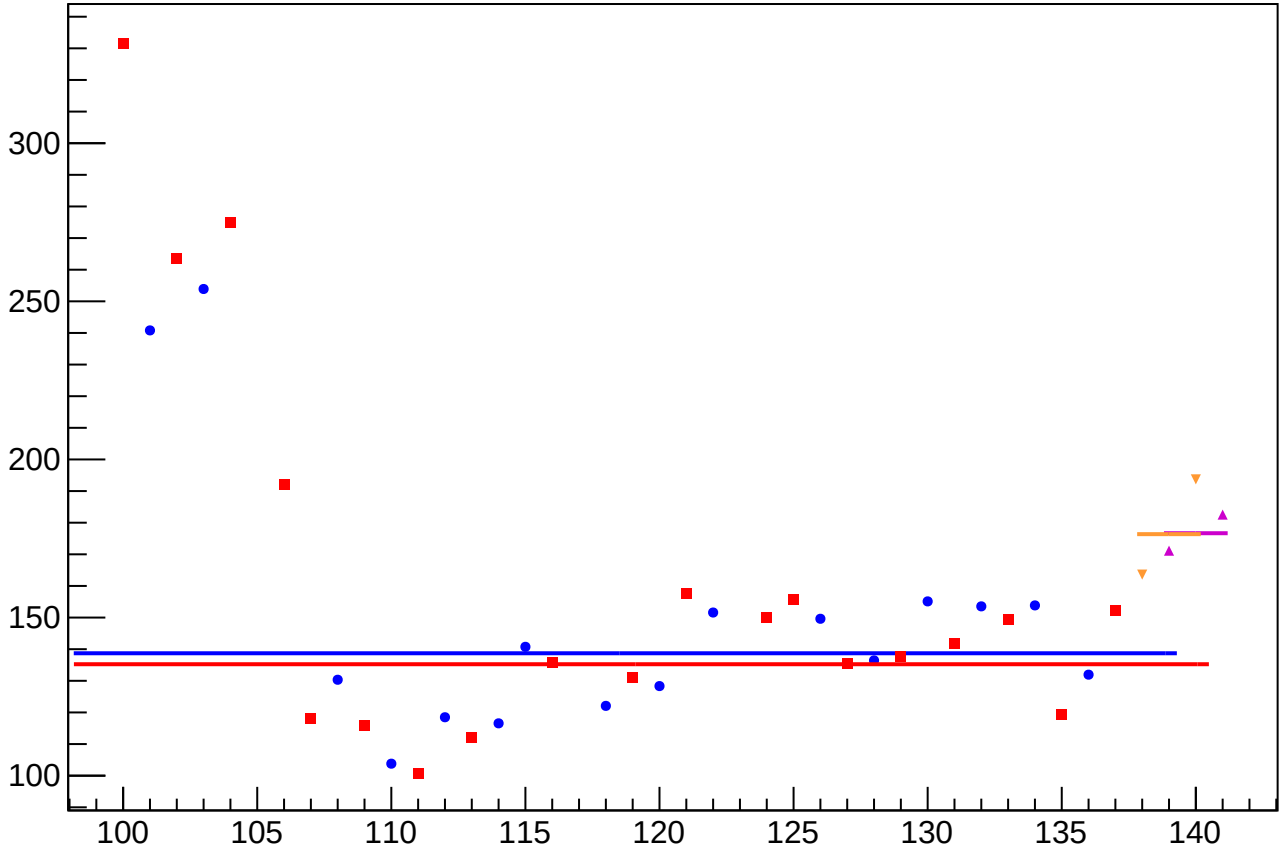
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -1019.748+/-50.336 χ^2/NDF:35388.1/17

Out: -3883.444+/-48.869 χ^2/NDF:11006.3/20

All: -2493.947+/-35.063 χ^2/NDF: 48060.6/38

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 176.377+/-0.100 χ^2/NDF:22275.9/1

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 176.672+/-0.096 χ^2/NDF:3527.2/1

Left: 176.530+/-0.069 χ^2/NDF: 25807.6/3

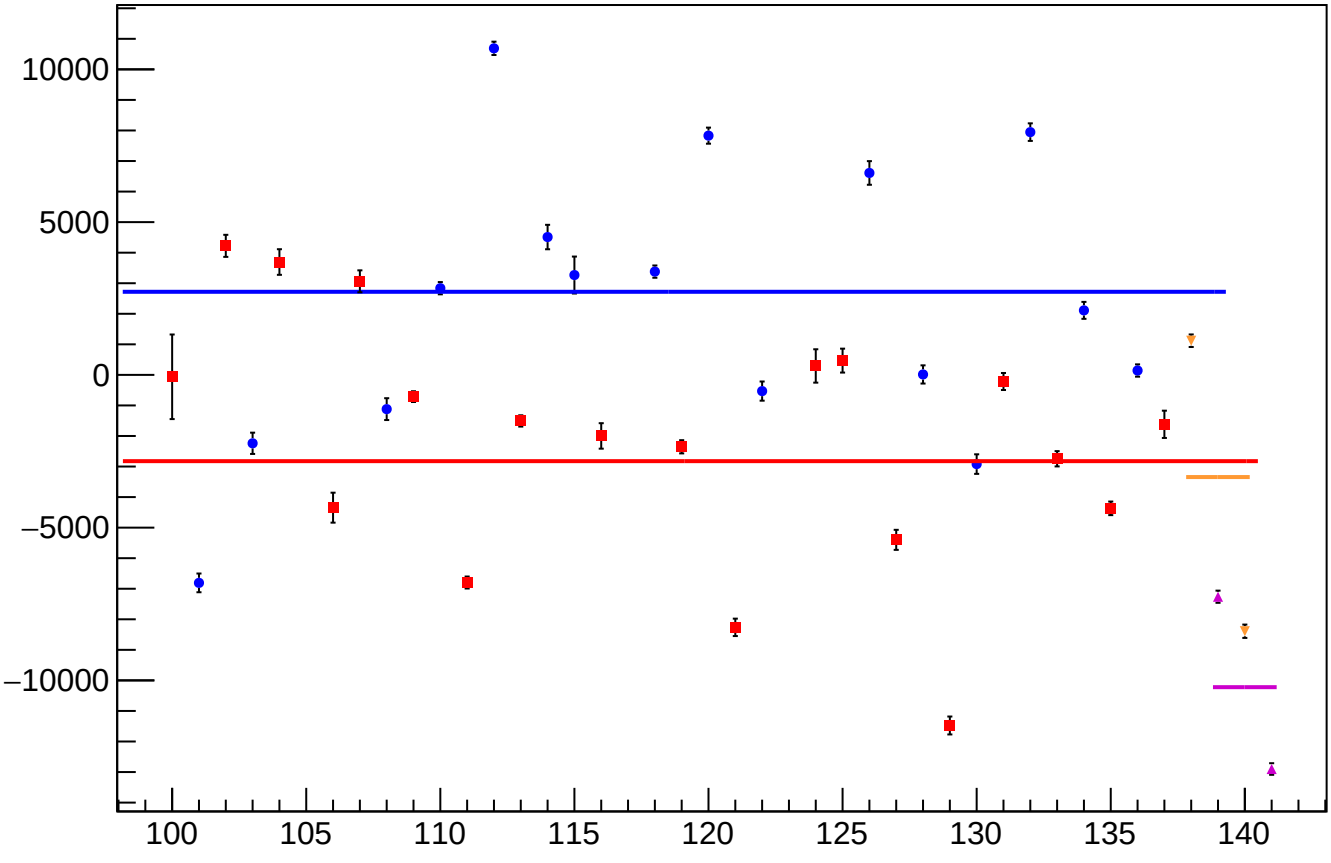
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 143.930+/-0.036 χ^2/NDF:796178.7/17

Out: 140.182+/-0.035 χ^2/NDF:1061959.9/20

All: 142.001+/-0.025 χ^2/NDF: 1863845.4/38

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -3344.405+/-149.642 χ^2/NDF:1005.7/1

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -10221.655+/-137.394 χ^2/NDF:420.1/1

Left: -7075.961+/-101.206 χ^2/NDF: 2571.8/3

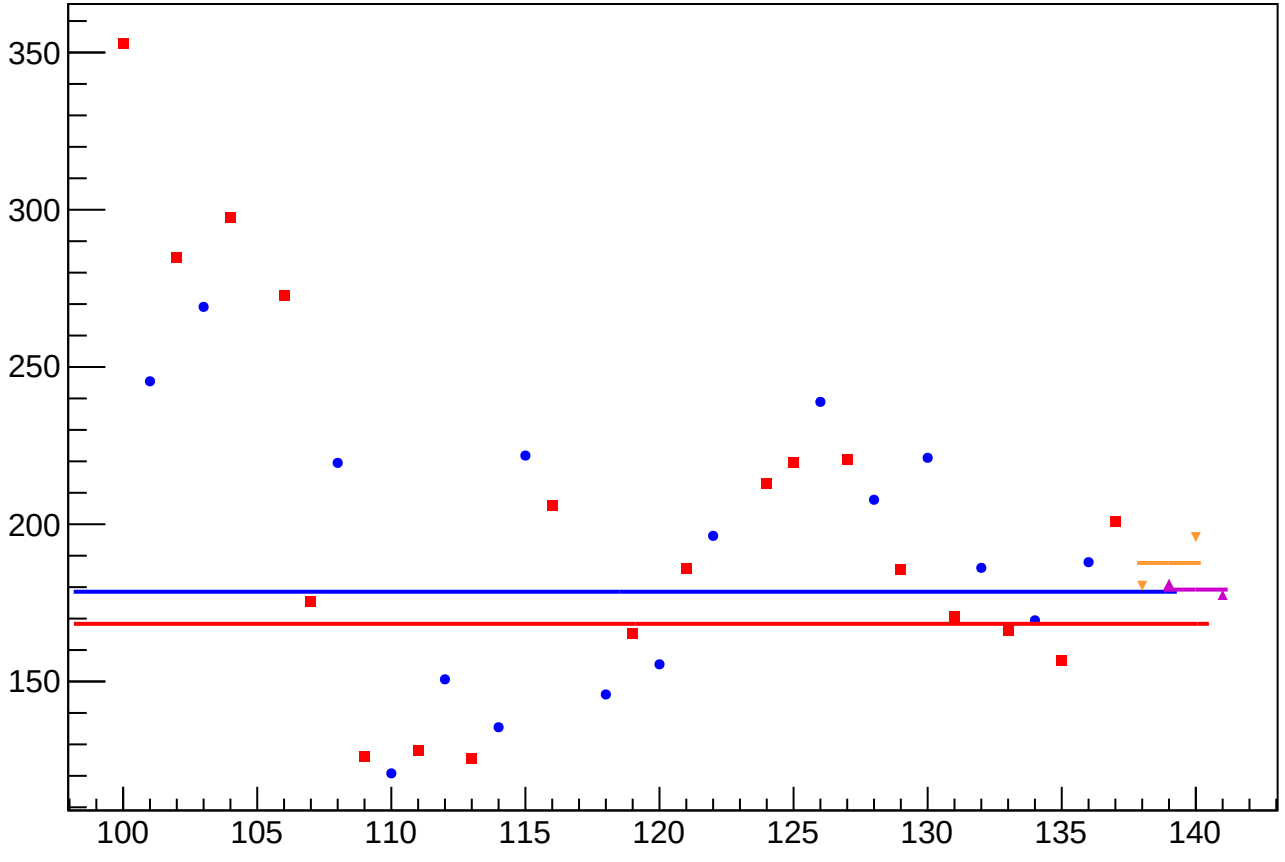
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: 98.408+/-61.837 χ^2/NDF:11624.4/17

Out: -2906.012+/-59.503 χ^2/NDF:4078.7/20

All: -1461.575+/-42.876 χ^2/NDF: 16928.8/38

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 187.685+/-0.106 χ^2/NDF:5329.2/1

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 179.221+/-0.097 χ^2/NDF:336.9/1

Left: 183.092+/-0.072 χ^2/NDF: 9138.3/3

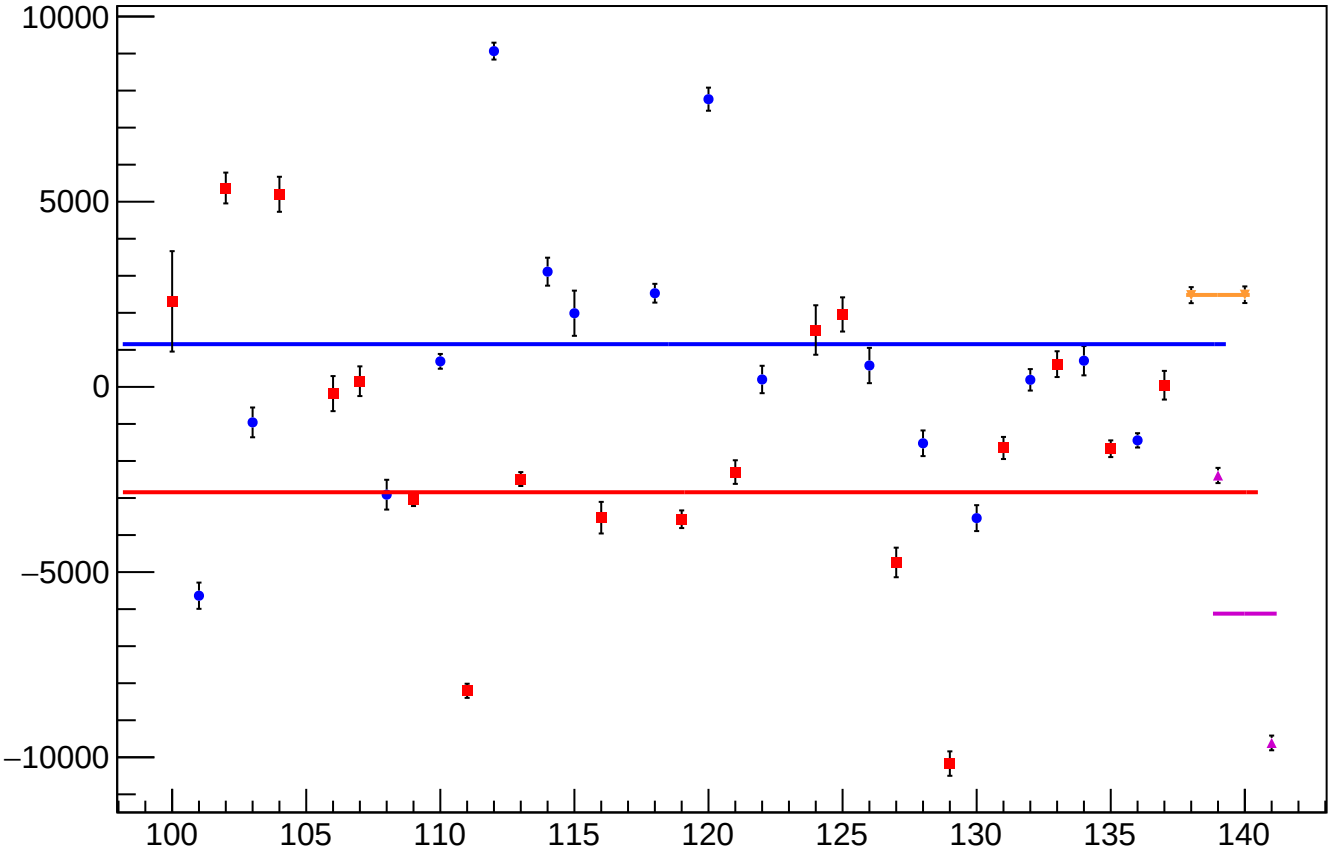
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.679+/-0.044 χ^2/NDF:674942.0/17

Out: 171.394+/-0.042 χ^2/NDF:1012970.5/20

All: 174.896+/-0.030 χ^2/NDF: 1702323.1/38

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2482.851+/-155.792 χ^2/NDF:0.0/1

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -6121.840+/-142.841 χ^2/NDF:638.2/1

Left: -2191.974+/-105.285 χ^2/NDF: 2295.5/3

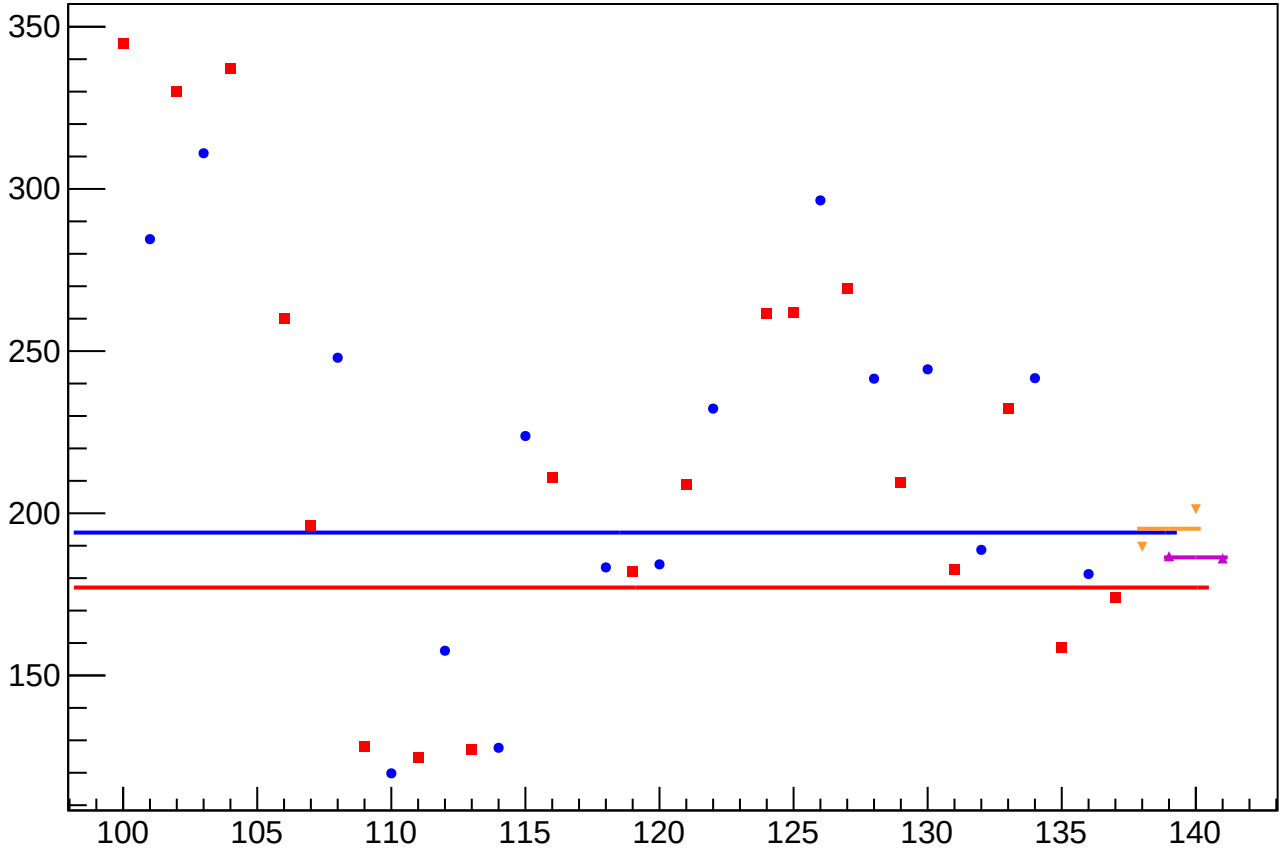
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -449.992+/-67.064 χ^2/NDF:5316.0/17

Out: -1967.417+/-63.195 χ^2/NDF:3429.8/20

All: -1253.737+/-45.993 χ^2/NDF: 9017.0/38

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 195.242+/-0.110 χ^2/NDF:2753.0/1

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 186.407+/-0.101 χ^2/NDF:11.7/1

Left: 190.442+/-0.074 χ^2/NDF: 6259.0/3

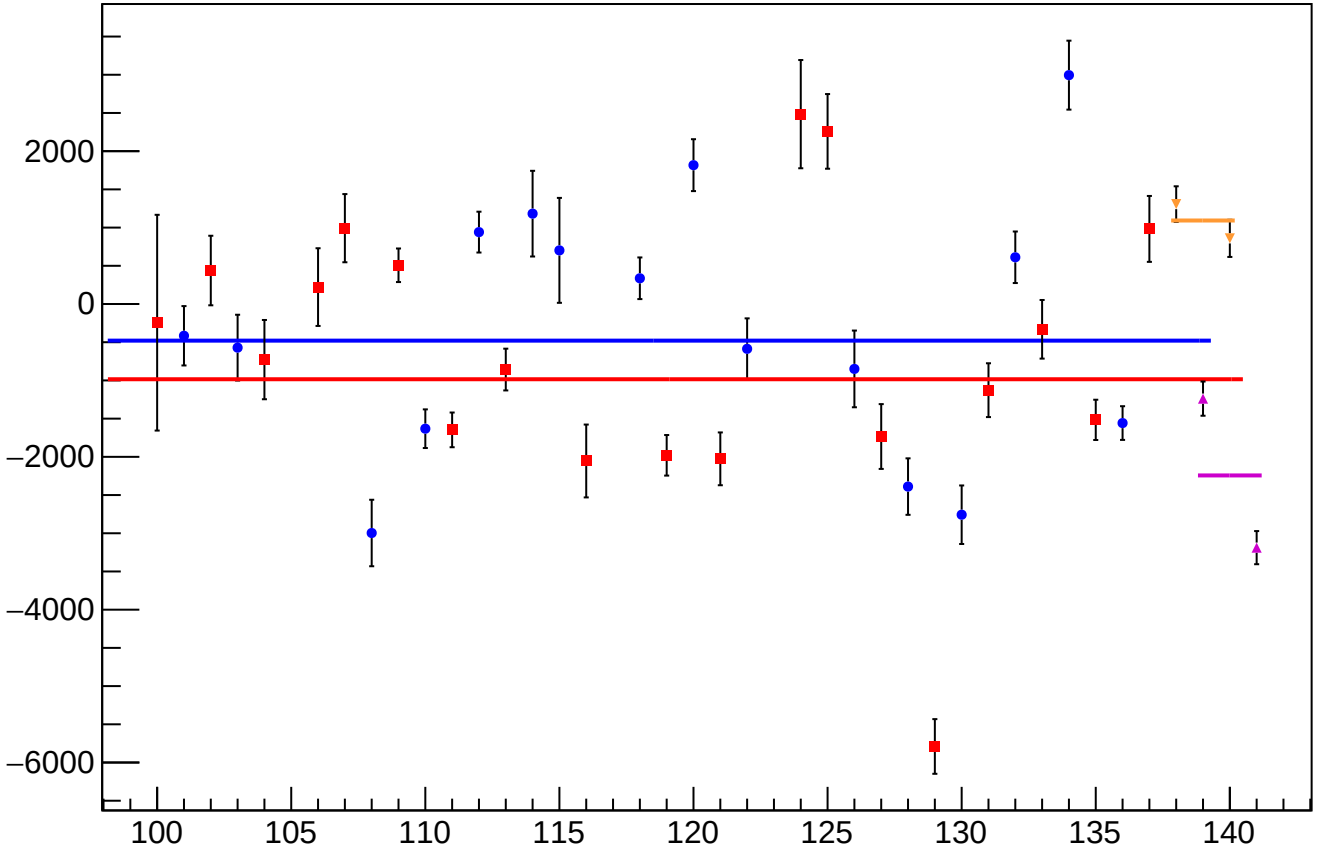
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 192.368+/-0.047 χ^2/NDF:970264.9/17

Out: 180.098+/-0.045 χ^2/NDF:1384719.6/20

All: 185.868+/-0.033 χ^2/NDF: 2390444.0/38

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1092.736+/-168.291 χ^2/NDF:1.8/1

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2243.328+/-155.681 χ^2/NDF:39.2/1

Left: -704.950+/-114.281 χ^2/NDF: 252.7/3

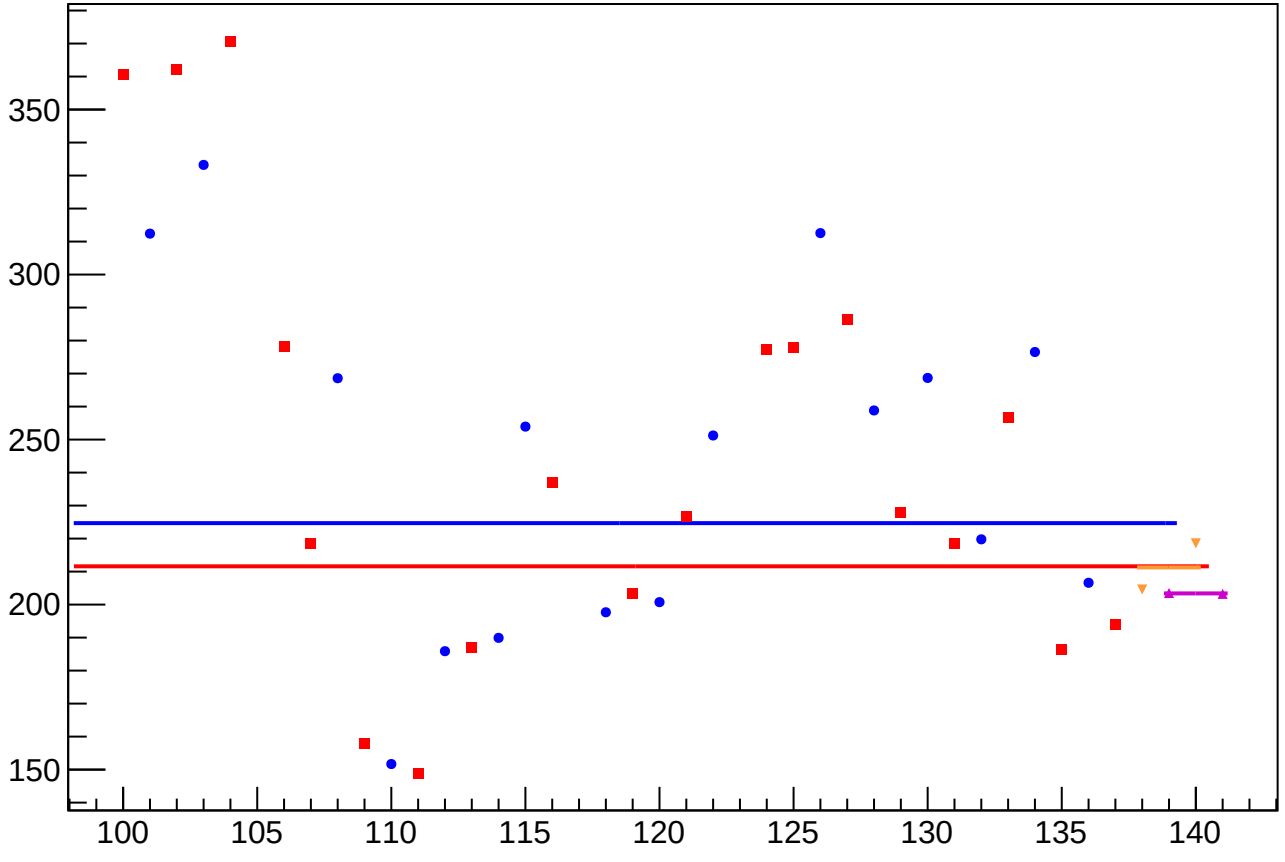
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -896.783+/-75.736 χ^2/NDF:442.6/17

Out: -594.226+/-72.946 χ^2/NDF:523.6/20

All: -739.830+/-52.539 χ^2/NDF: 974.5/38

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 211.264+/-0.119 χ^2/NDF:3450.7/1

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 203.386+/-0.110 χ^2/NDF:1.4/1

Left: 207.019+/-0.081 χ^2/NDF: 5814.2/3

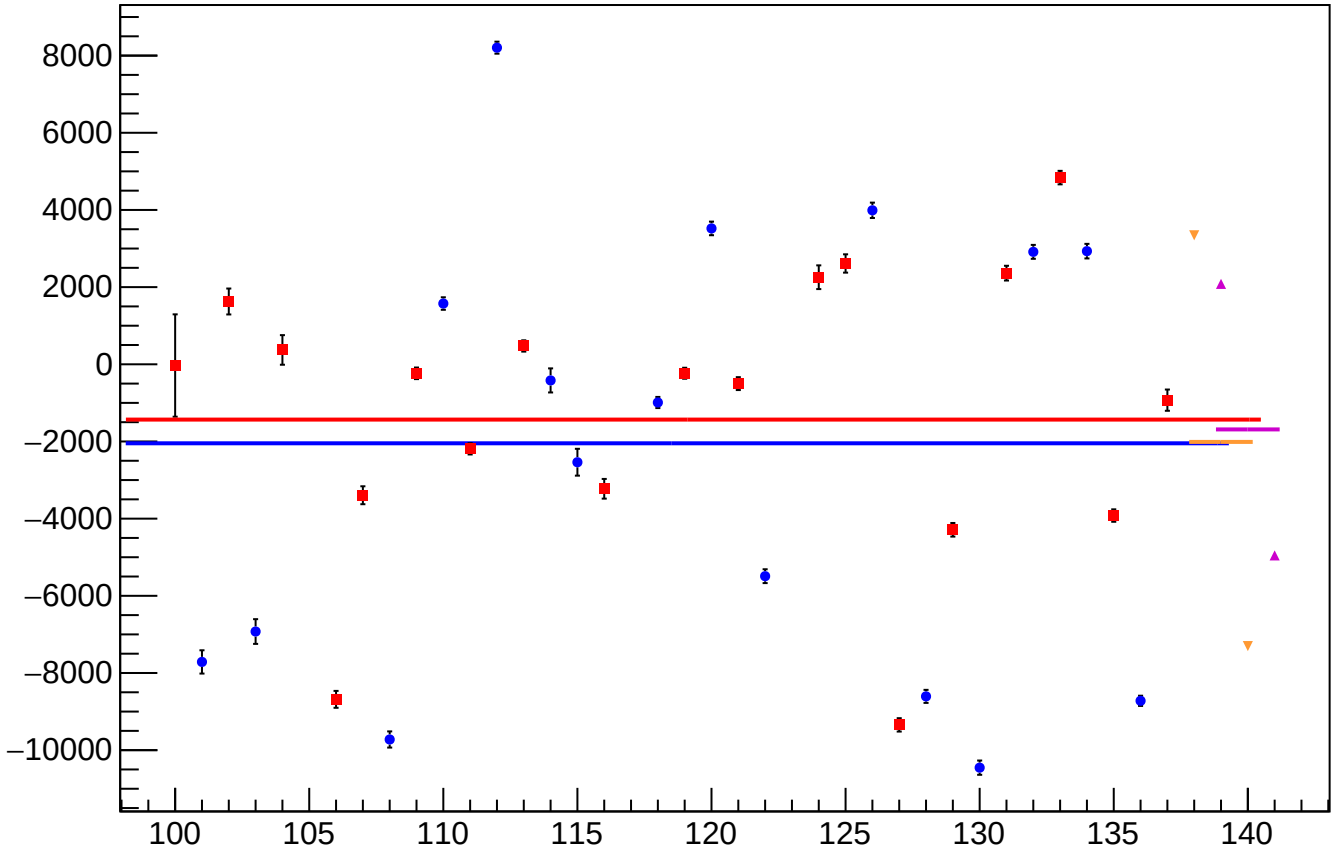
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.642+/-0.054 χ^2/NDF:681764.9/17

Out: 211.533+/-0.052 χ^2/NDF:936359.5/20

All: 215.436+/-0.037 χ^2/NDF: 1630020.1/38

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -2011.424+/-89.913 χ^2/NDF:3505.0/1

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -1687.601+/-86.208 χ^2/NDF:1657.2/1

Left: -1842.703+/-62.227 χ^2/NDF: 5168.9/3

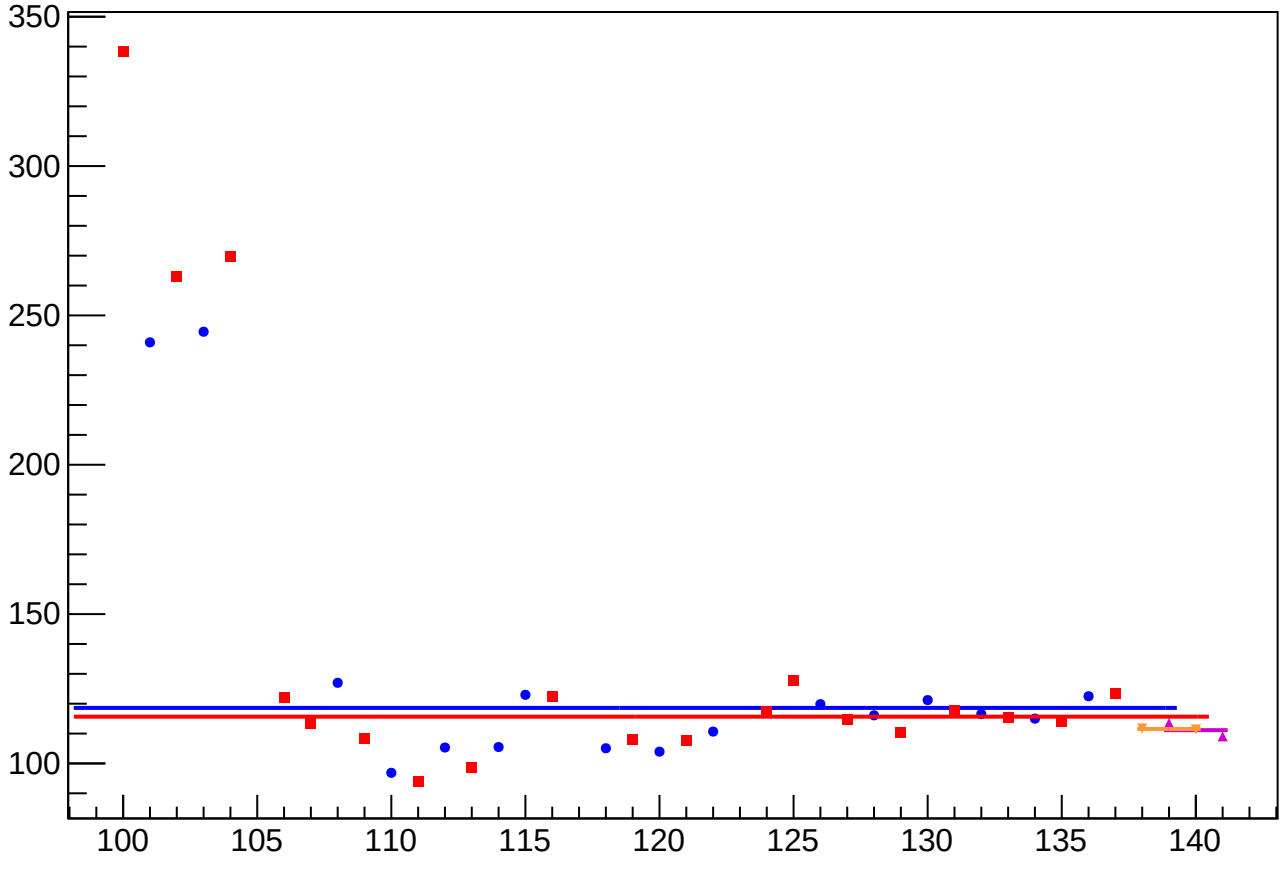
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -1965.608+/-41.077 χ^2/NDF:18379.8/17

Out: -1547.676+/-40.047 χ^2/NDF:9925.9/20

All: -1751.338+/-28.675 χ^2/NDF: 28358.8/38

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.537+/-0.064 χ^2/NDF:6.2/1

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 111.146+/-0.061 χ^2/NDF:1344.8/1

Left: 111.333+/-0.044 χ^2/NDF: 1370.7/3

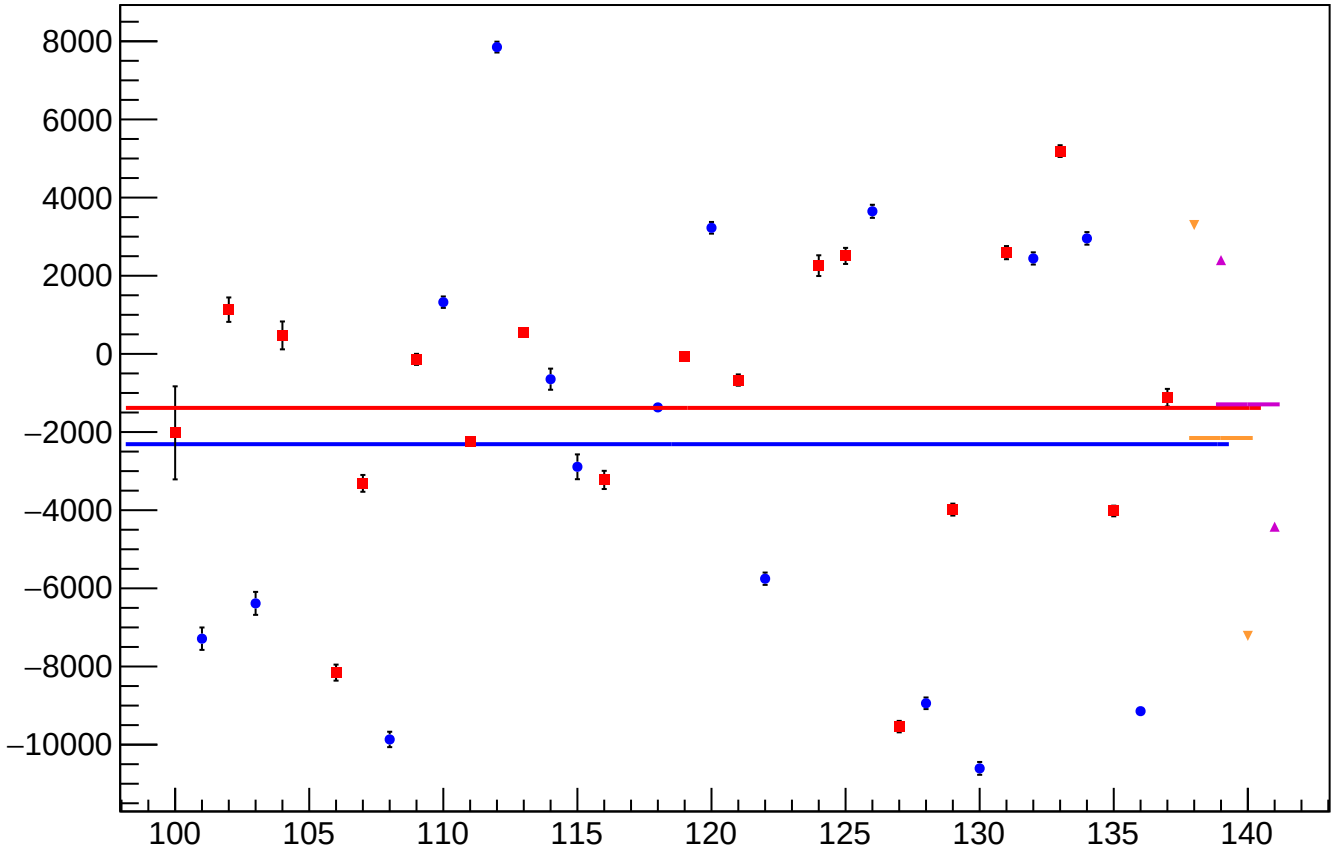
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.904+/-0.029 χ^2/NDF:747049.3/17

Out: 114.842+/-0.028 χ^2/NDF:867583.1/20

All: 115.847+/-0.020 χ^2/NDF: 1617217.7/38

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -2152.385+/-81.202 χ^2/NDF:4185.3/1

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -1291.619+/-76.749 χ^2/NDF:1961.8/1

Left: -1697.754+/-55.778 χ^2/NDF: 6206.5/3

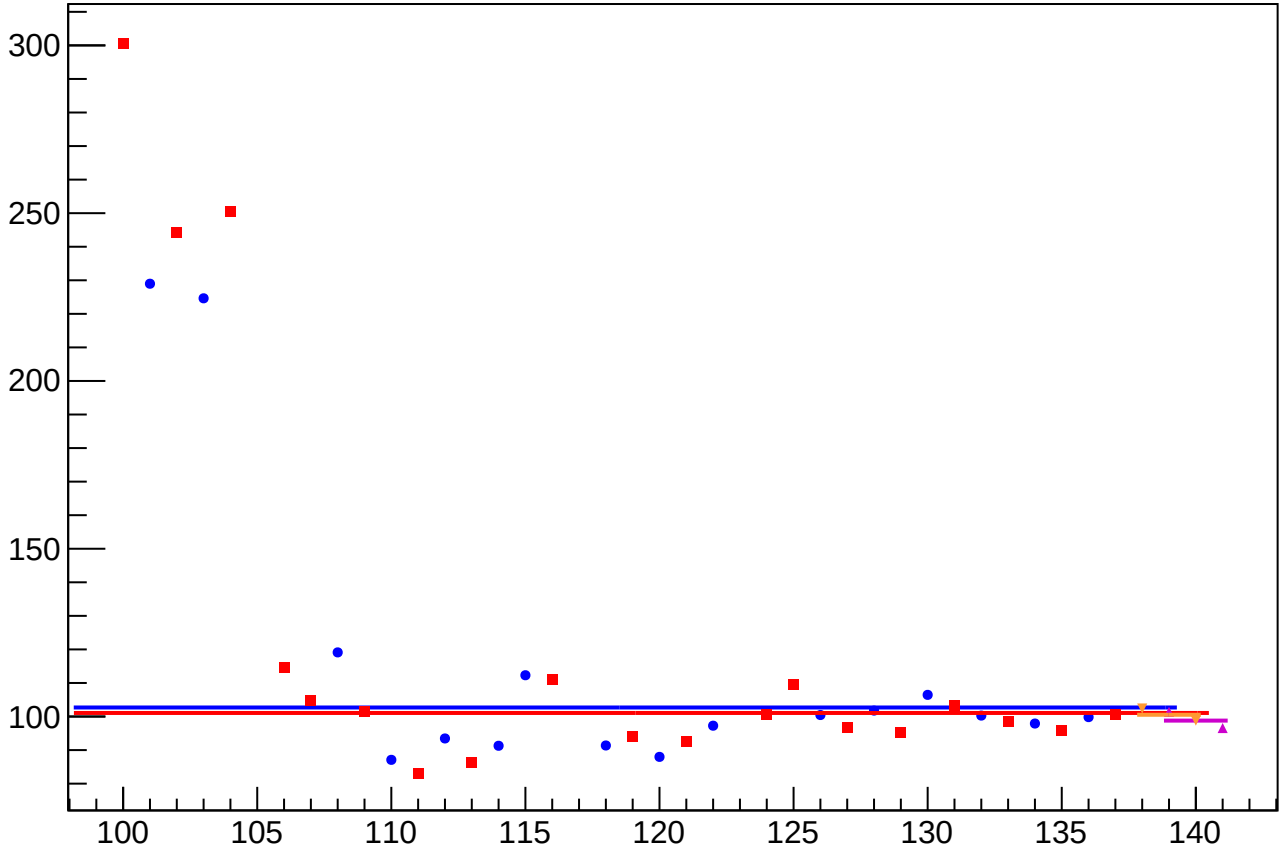
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -2086.633+/-35.981 χ^2/NDF:23778.8/17

Out: -1528.599+/-35.405 χ^2/NDF:12837.1/20

All: -1803.118+/-25.236 χ^2/NDF: 36738.1/38

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 100.525+/-0.057 χ^2/NDF:984.1/1

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 98.784+/-0.054 χ^2/NDF:1957.3/1

Left: 99.605+/-0.039 χ^2/NDF: 3426.7/3

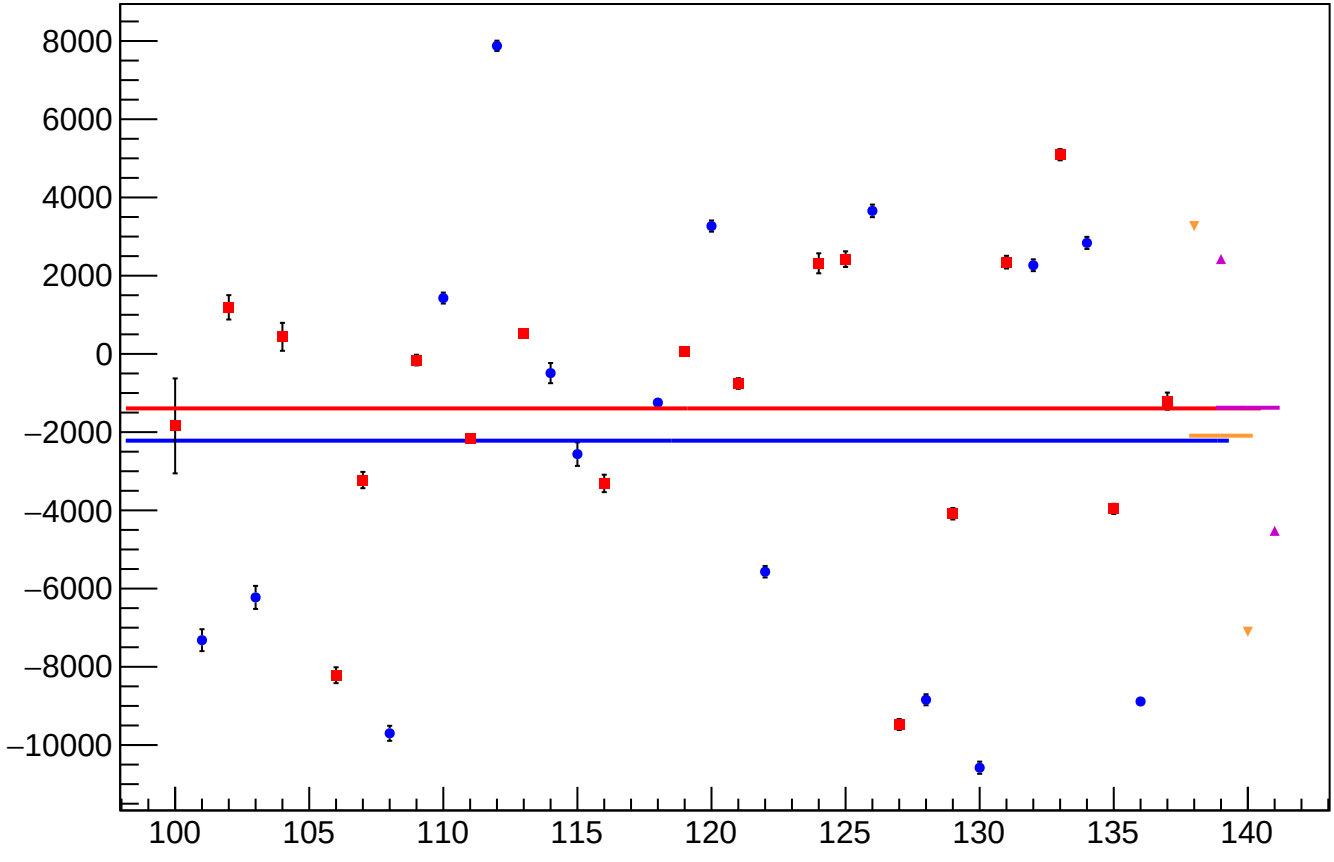
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 101.834+/-0.025 χ^2/NDF:831808.2/17

Out: 100.961+/-0.025 χ^2/NDF:931513.5/20

All: 101.391+/-0.018 χ^2/NDF: 1763920.7/38

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -2090.663+/-78.291 χ^2/NDF:4382.3/1

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -1376.193+/-74.026 χ^2/NDF:2182.5/1

Left: -1713.440+/-53.789 χ^2/NDF: 6608.7/3

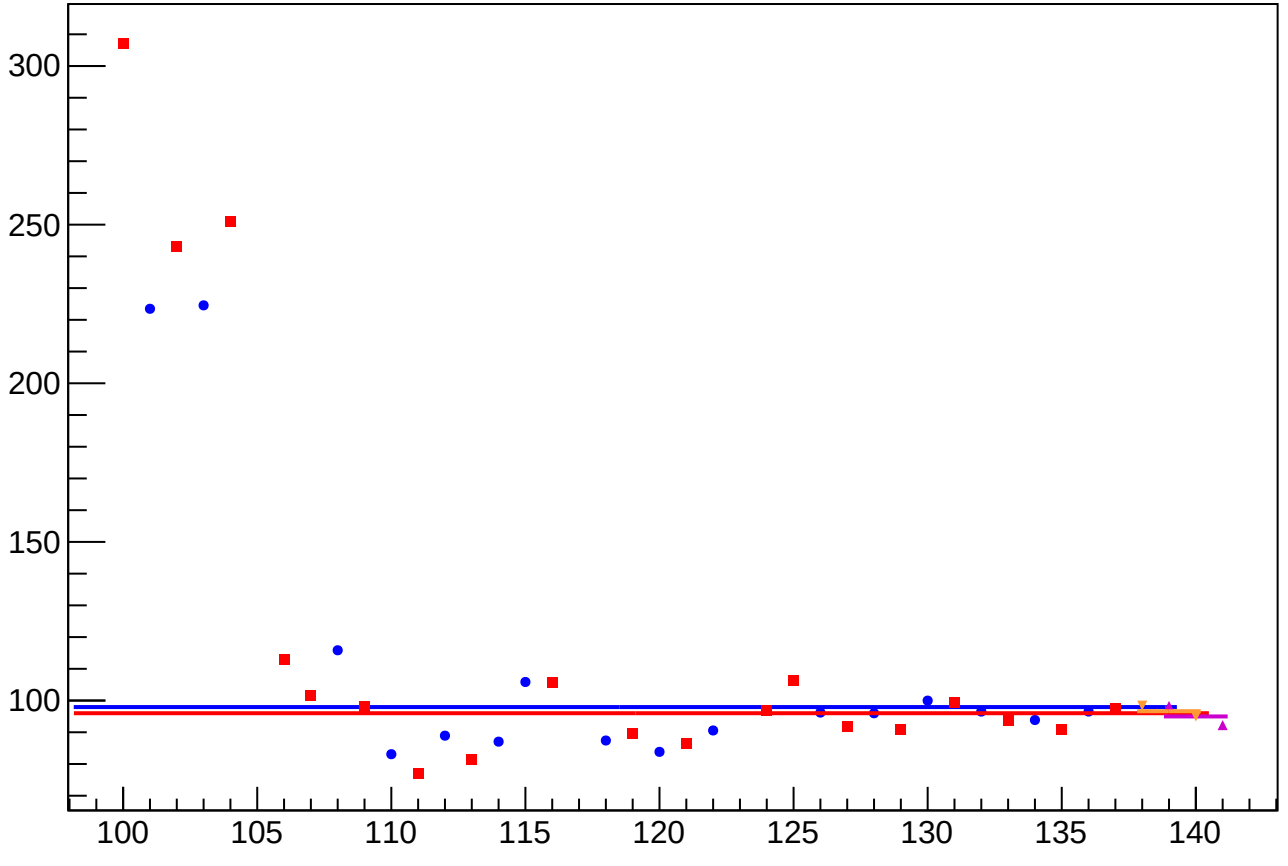
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -2034.864+/-34.531 χ^2/NDF:25324.4/17

Out: -1524.096+/-33.879 χ^2/NDF:13598.8/20

All: -1774.611+/-24.183 χ^2/NDF: 39034.7/38

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 96.635+/-0.055 χ^2/NDF:936.0/1

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 94.987+/-0.052 χ^2/NDF:3286.7/1

Left: 95.765+/-0.038 χ^2/NDF: 4690.6/3

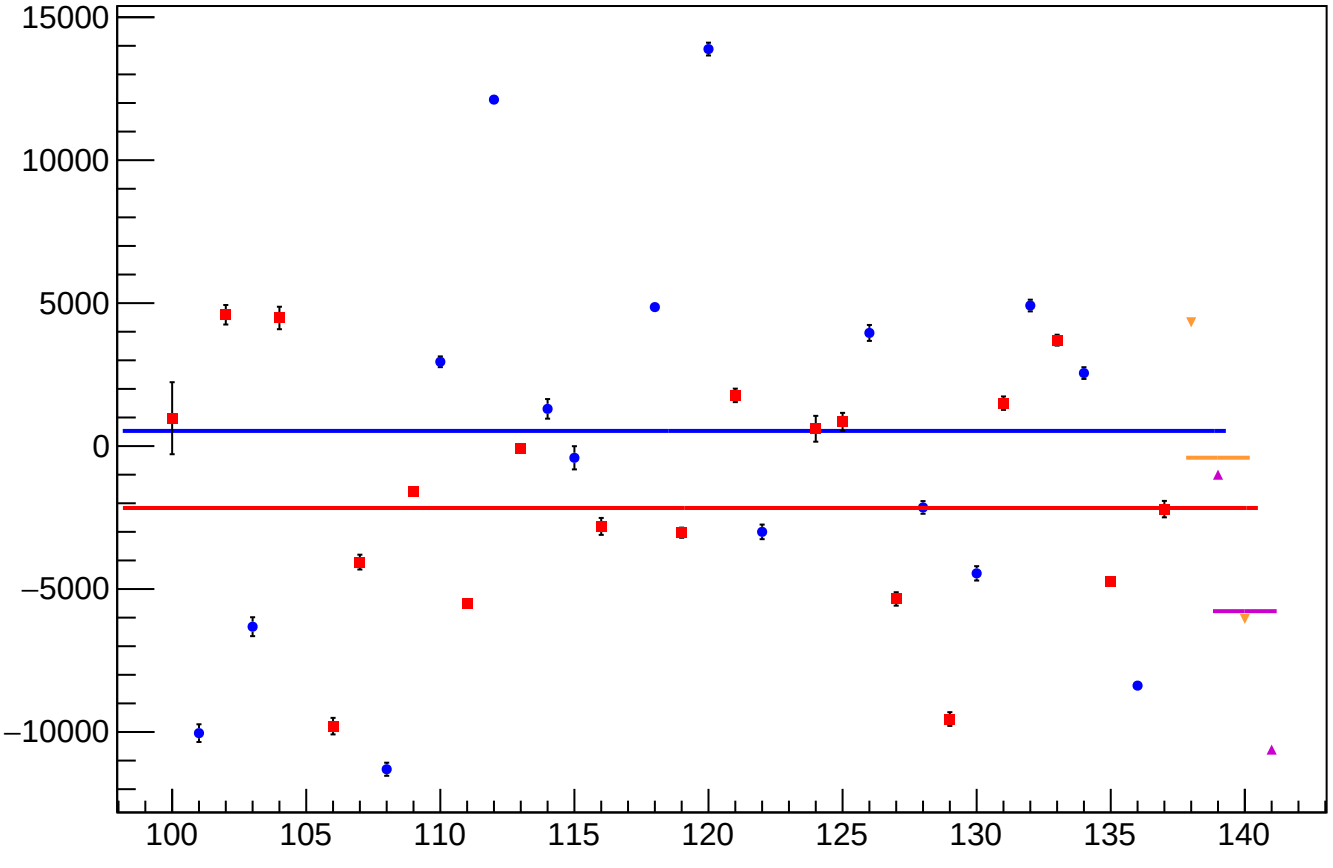
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 97.300+/-0.024 χ^2/NDF:873931.4/17

Out: 96.123+/-0.024 χ^2/NDF:1013328.4/20

All: 96.700+/-0.017 χ^2/NDF: 1888444.8/38

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -406.990+/-114.966 χ^2/NDF:2020.9/1

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -5773.827+/-112.308 χ^2/NDF:1832.4/1

Left: -3153.170+/-80.337 χ^2/NDF: 4968.4/3

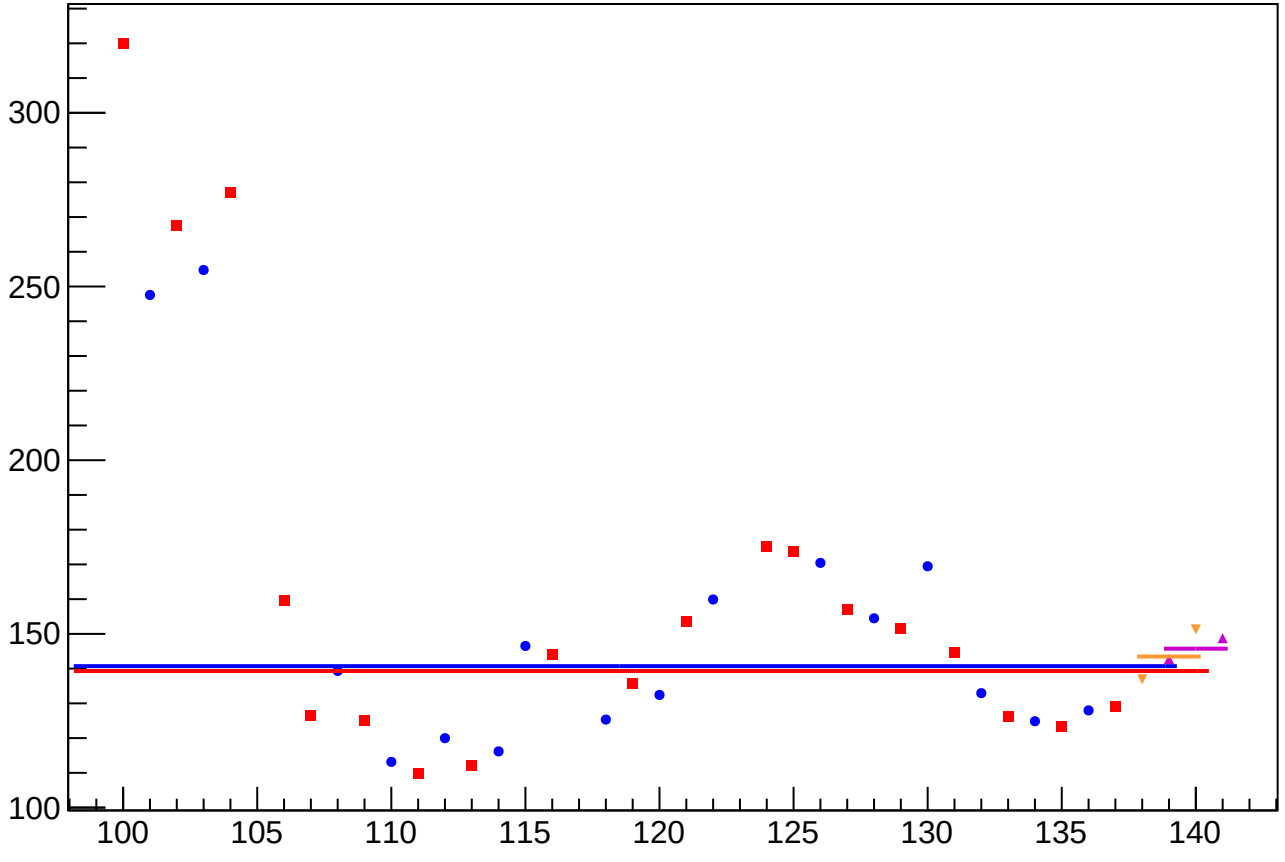
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -683.749+/-49.290 χ^2/NDF:22964.2/17

Out: -1852.461+/-48.474 χ^2/NDF:7180.3/20

All: -1277.854+/-34.561 χ^2/NDF: 30430.3/38

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 143.478+/-0.081 χ^2/NDF:7750.5/1

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 145.749+/-0.079 χ^2/NDF:1419.2/1

Left: 144.640+/-0.057 χ^2/NDF: 9568.9/3

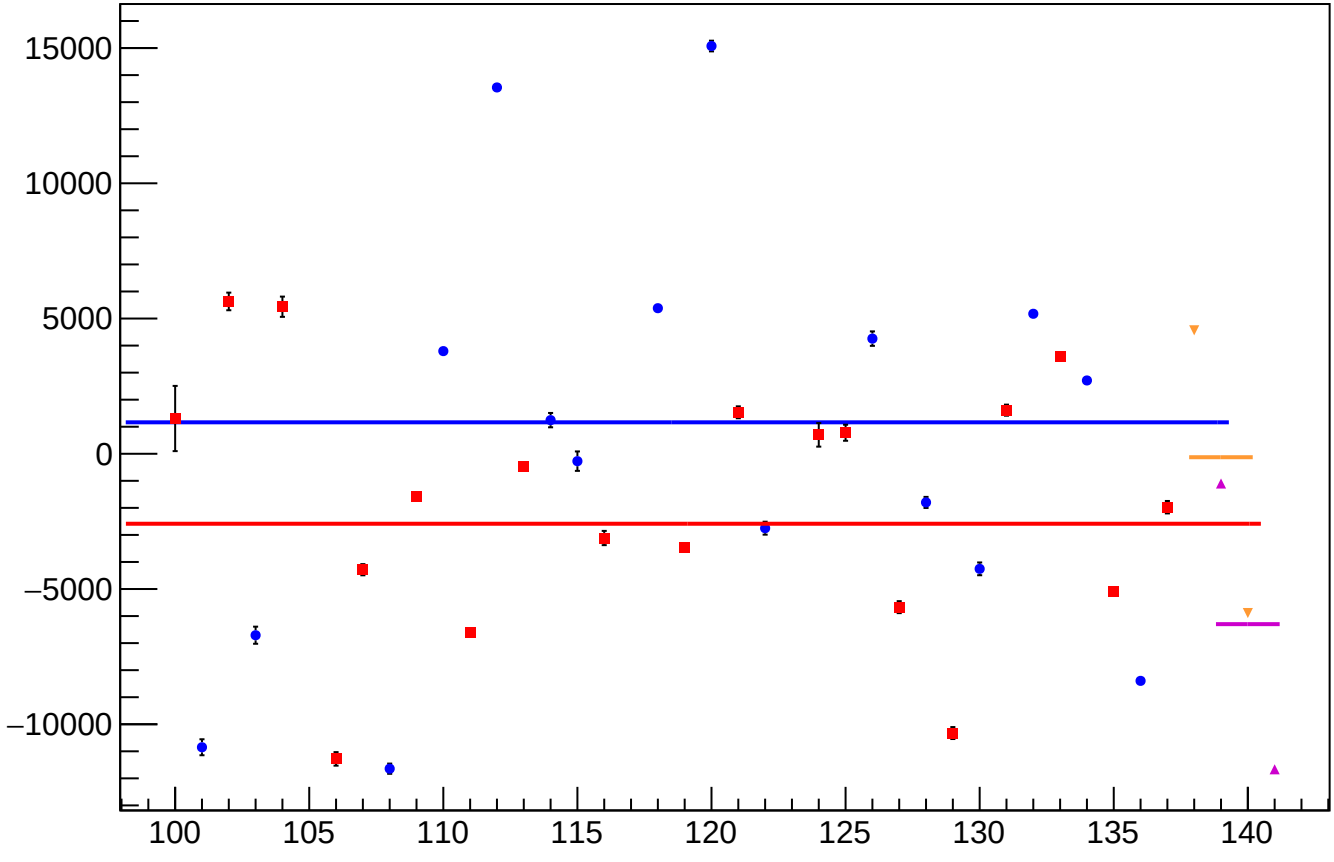
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 141.685+/-0.035 χ^2/NDF:680282.3/17

Out: 140.057+/-0.034 χ^2/NDF:812222.1/20

All: 140.857+/-0.024 χ^2/NDF: 1493613.6/38

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -127.487+/-99.804 χ^2/NDF:2713.3/1

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -6298.621+/-97.059 χ^2/NDF:2961.9/1

Left: -3299.084+/-69.581 χ^2/NDF: 7640.2/3

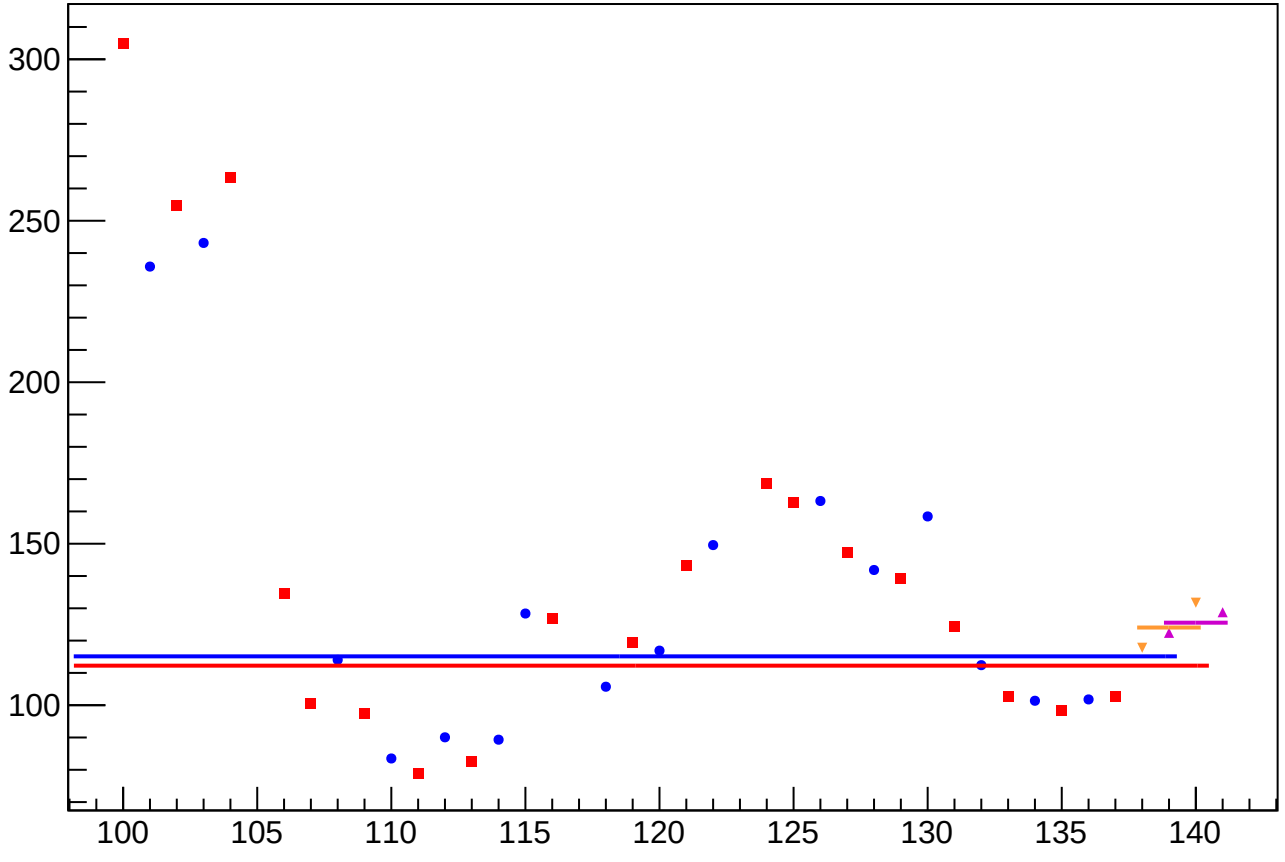
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -202.218+/-41.516 χ^2/NDF:38545.0/17

Out: -2182.644+/-40.457 χ^2/NDF:11320.4/20

All: -1218.015+/-28.975 χ^2/NDF: 51032.6/38

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 124.050+/-0.071 χ^2/NDF:9667.6/1

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 125.548+/-0.069 χ^2/NDF:2158.8/1

Left: 124.820+/-0.049 χ^2/NDF: 12058.0/3

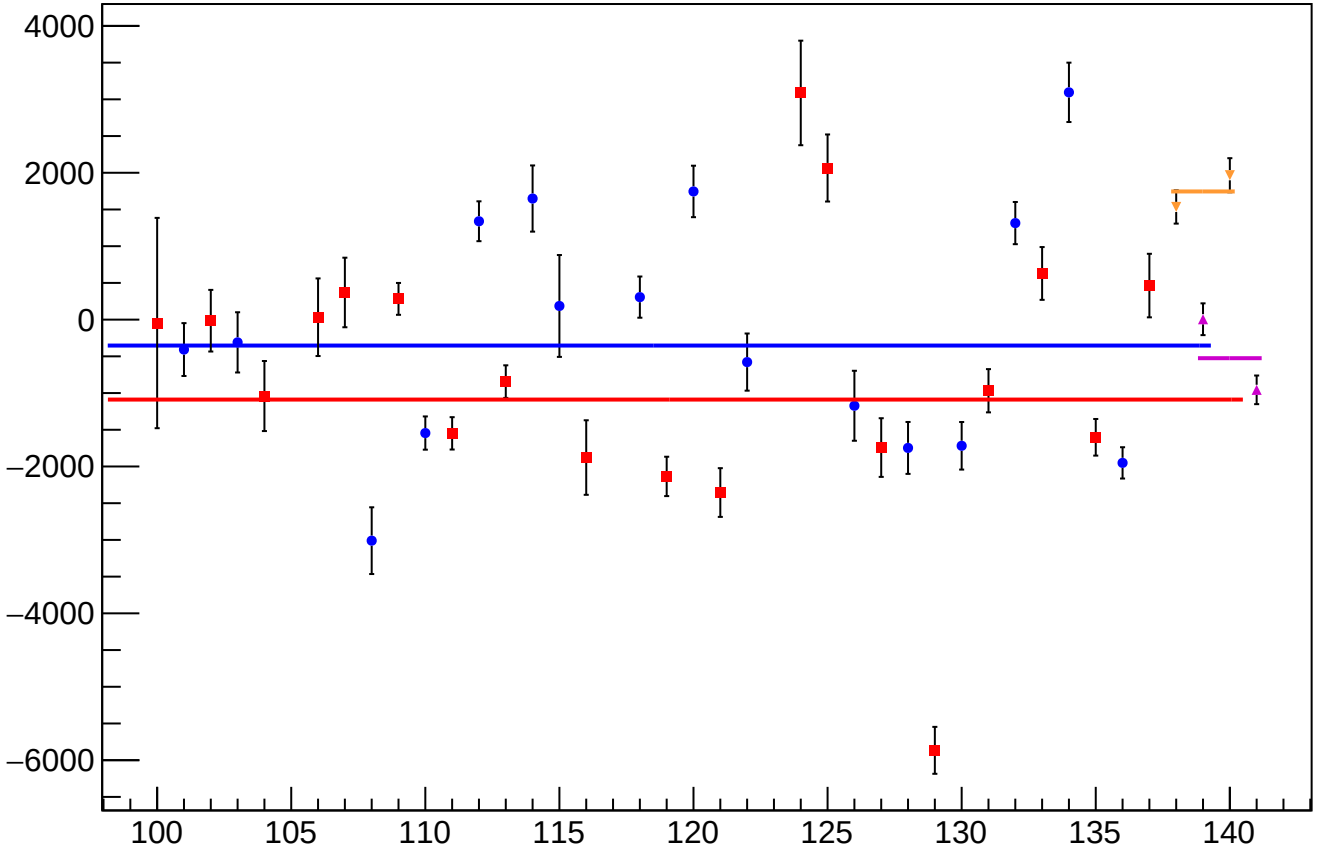
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 117.032+/-0.029 χ^2/NDF:1133989.4/17

Out: 114.182+/-0.029 χ^2/NDF:1361222.3/20

All: 115.570+/-0.020 χ^2/NDF: 2500048.7/38

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1745.435+/-162.218 χ^2/NDF:1.8/1

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: -525.246+/-144.858 χ^2/NDF:10.9/1

Left: 482.136+/-108.048 χ^2/NDF: 121.7/3

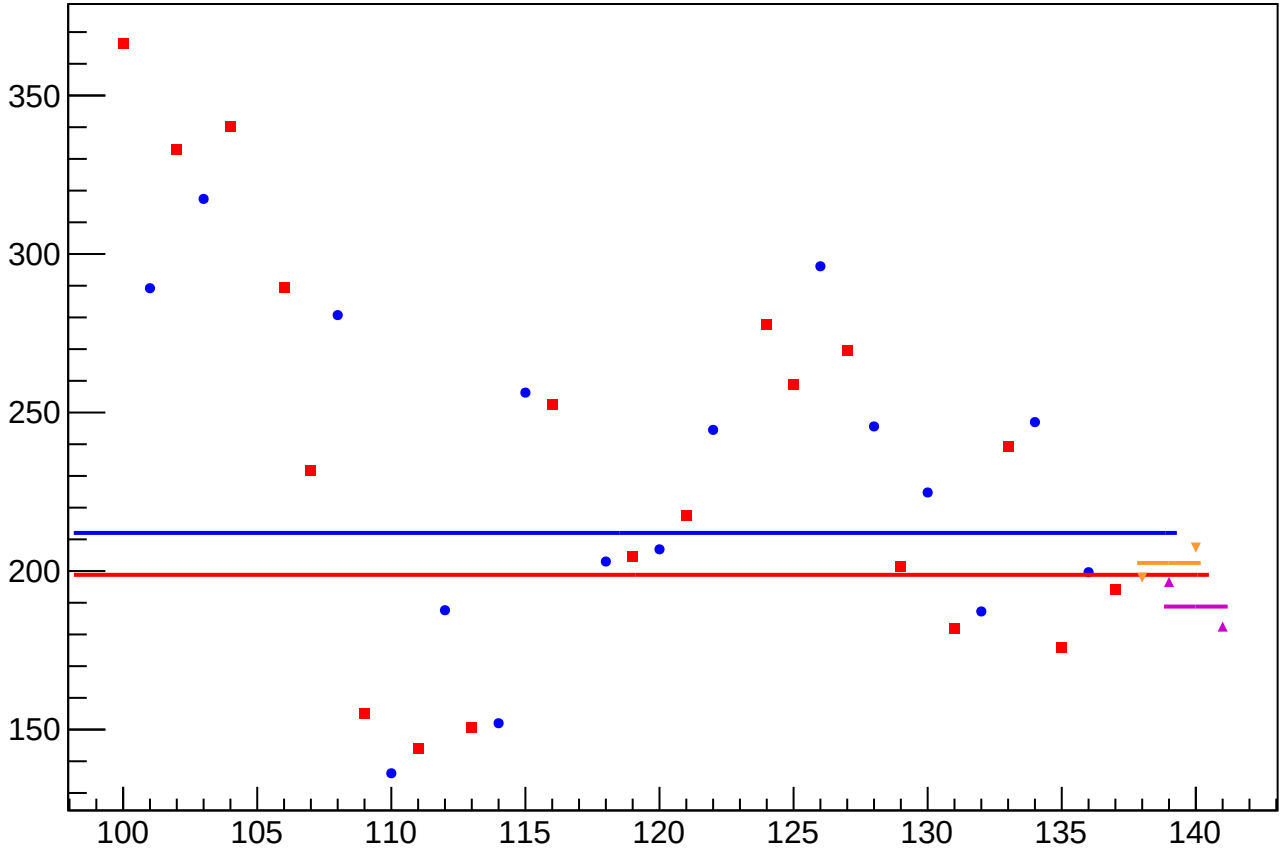
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -395.002+/-71.449 χ^2/NDF:373.8/17

Out: -573.737+/-69.150 χ^2/NDF:698.7/20

All: -487.291+/-49.690 χ^2/NDF: 1075.7/38

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 202.554+/-0.115 χ^2/NDF:1709.8/1

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 188.797+/-0.102 χ^2/NDF:4672.8/1

Left: 194.900+/-0.076 χ^2/NDF: 14385.9/3

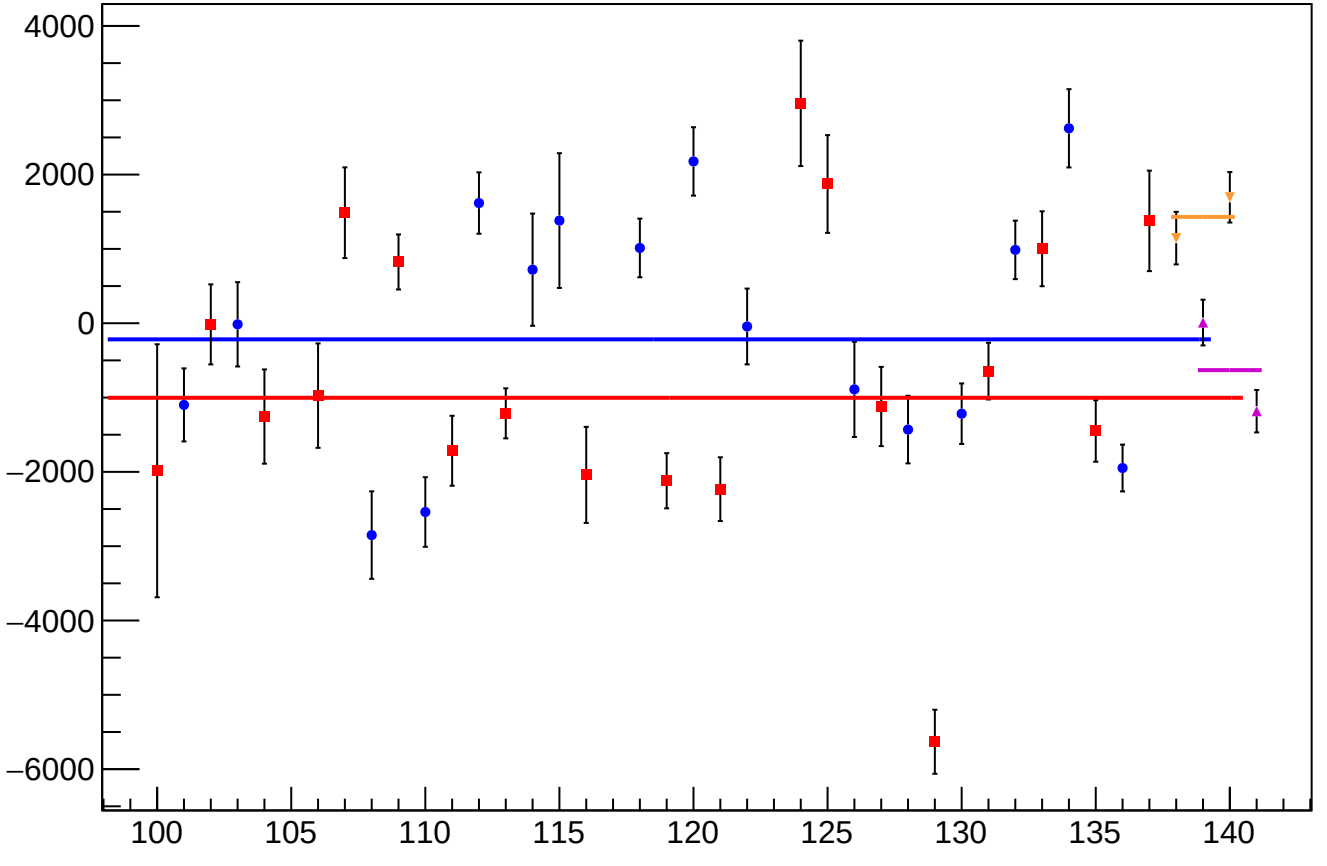
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 206.376+/-0.051 χ^2/NDF:733953.9/17

Out: 199.490+/-0.049 χ^2/NDF:977510.4/20

All: 202.820+/-0.035 χ^2/NDF: 1721056.1/38

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1430.732+/-245.030 χ^2/NDF:1.3/1

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -631.145+/-209.352 χ^2/NDF:8.1/1

Left: 238.887+/-159.168 χ^2/NDF: 50.3/3

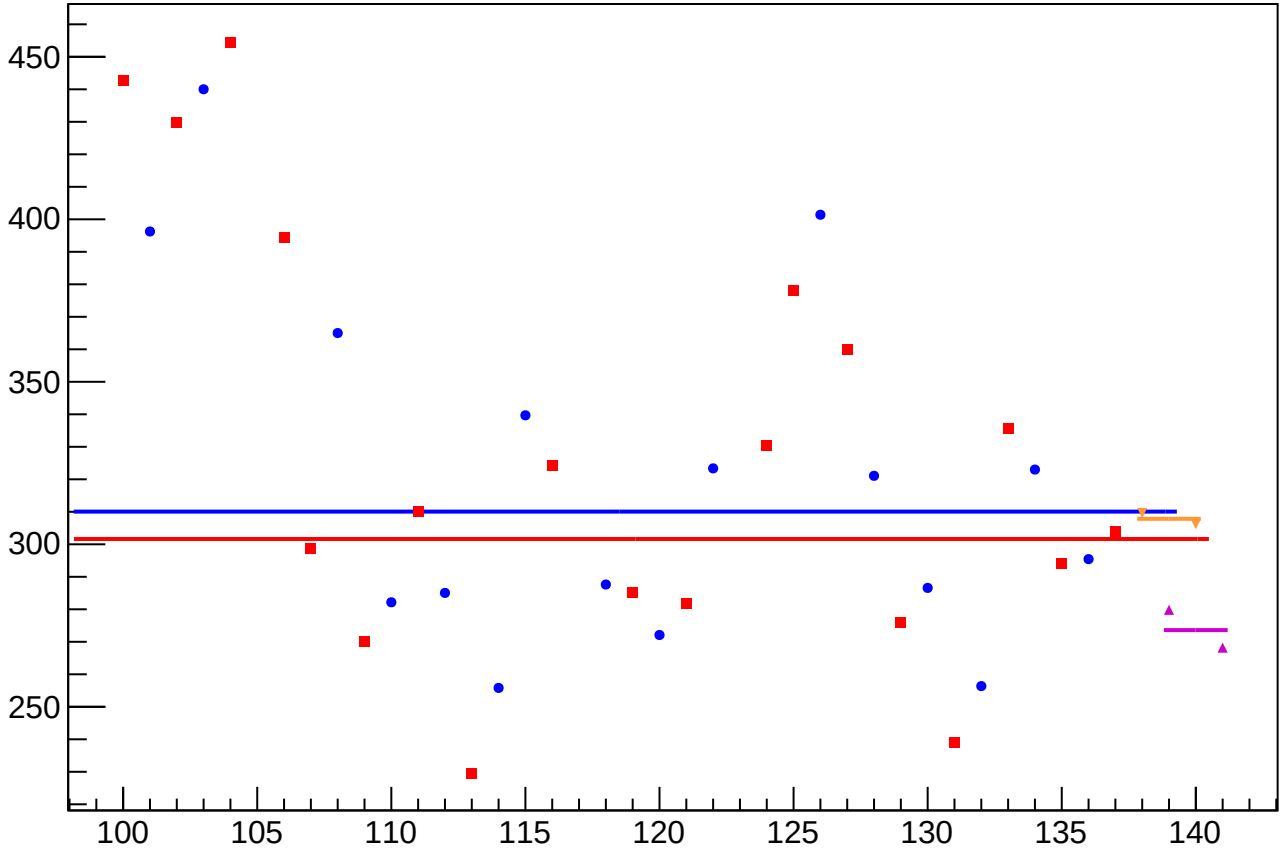
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -316.665+/-102.721 χ^2/NDF:203.2/17

Out: -575.530+/-102.697 χ^2/NDF:336.9/20

All: -446.128+/-72.626 χ^2/NDF: 543.3/38

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 307.851+/-0.173 χ^2/NDF:101.5/1

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 273.596+/-0.148 χ^2/NDF:1537.2/1

Left: 288.050+/-0.113 χ^2/NDF: 24233.5/3

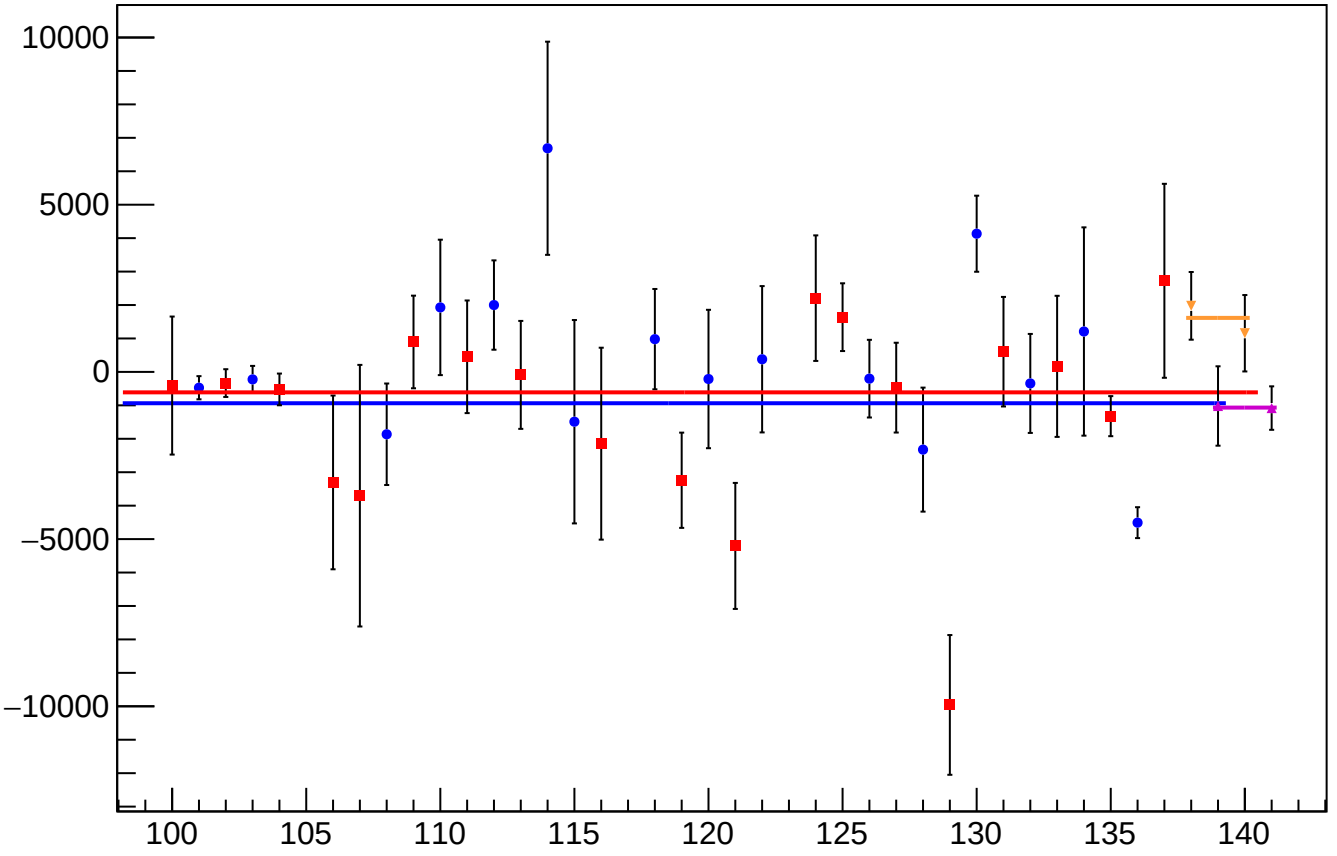
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 301.283+/-0.073 χ^2/NDF:370893.0/17

Out: 302.729+/-0.073 χ^2/NDF:521050.8/20

All: 302.006+/-0.051 χ^2/NDF: 892142.0/38

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1615.179+/-757.667 χ^2/NDF:0.3/1

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -1067.334+/-570.142 χ^2/NDF:0.0/1

Left: -97.518+/-455.567 χ^2/NDF: 8.3/3

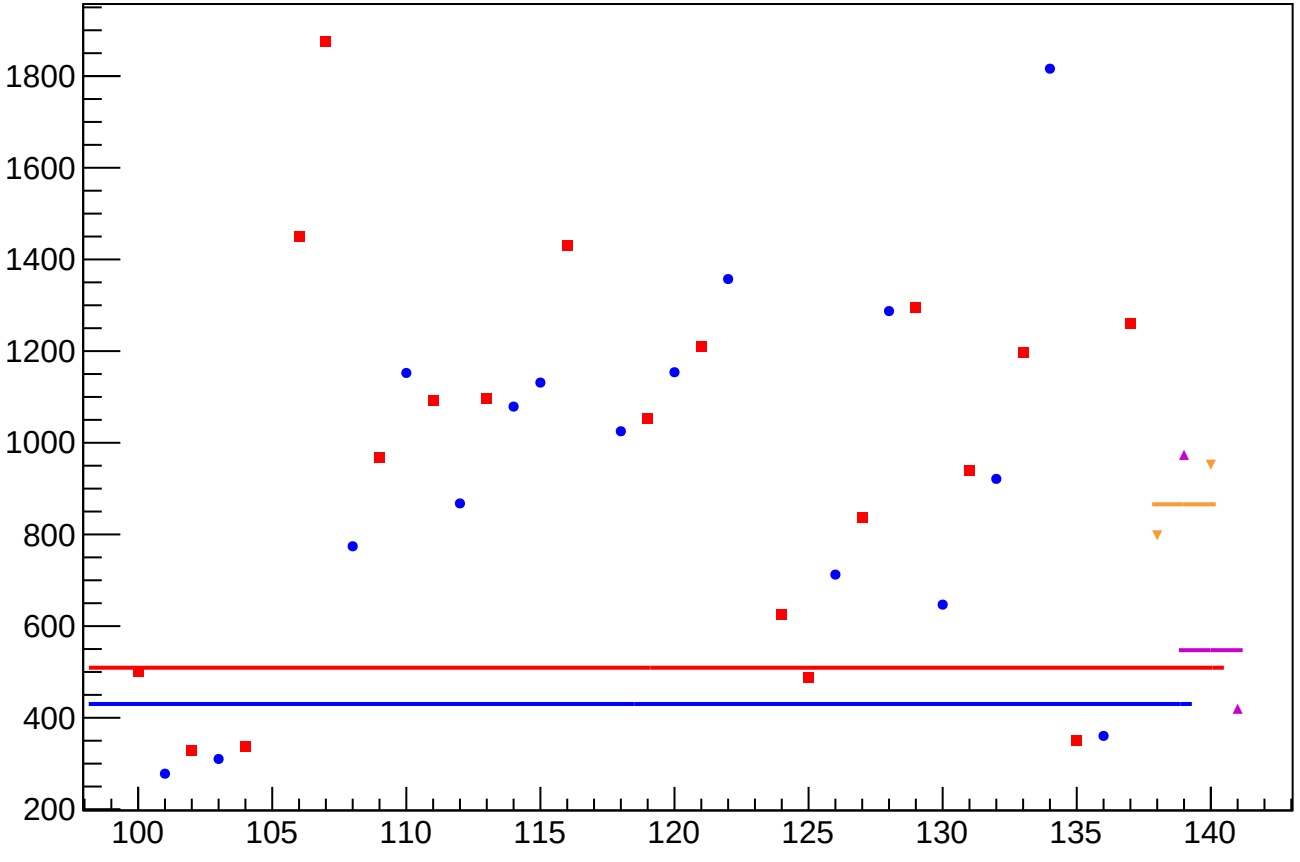
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -951.840+/-192.673 χ^2/NDF:101.2/17

Out: -419.052+/-222.833 χ^2/NDF:52.3/20

All: -723.917+/-145.746 χ^2/NDF: 156.8/38

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 865.782+/-0.536 χ^2/NDF:20385.7/1

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 547.500+/-0.403 χ^2/NDF:335049.6/1

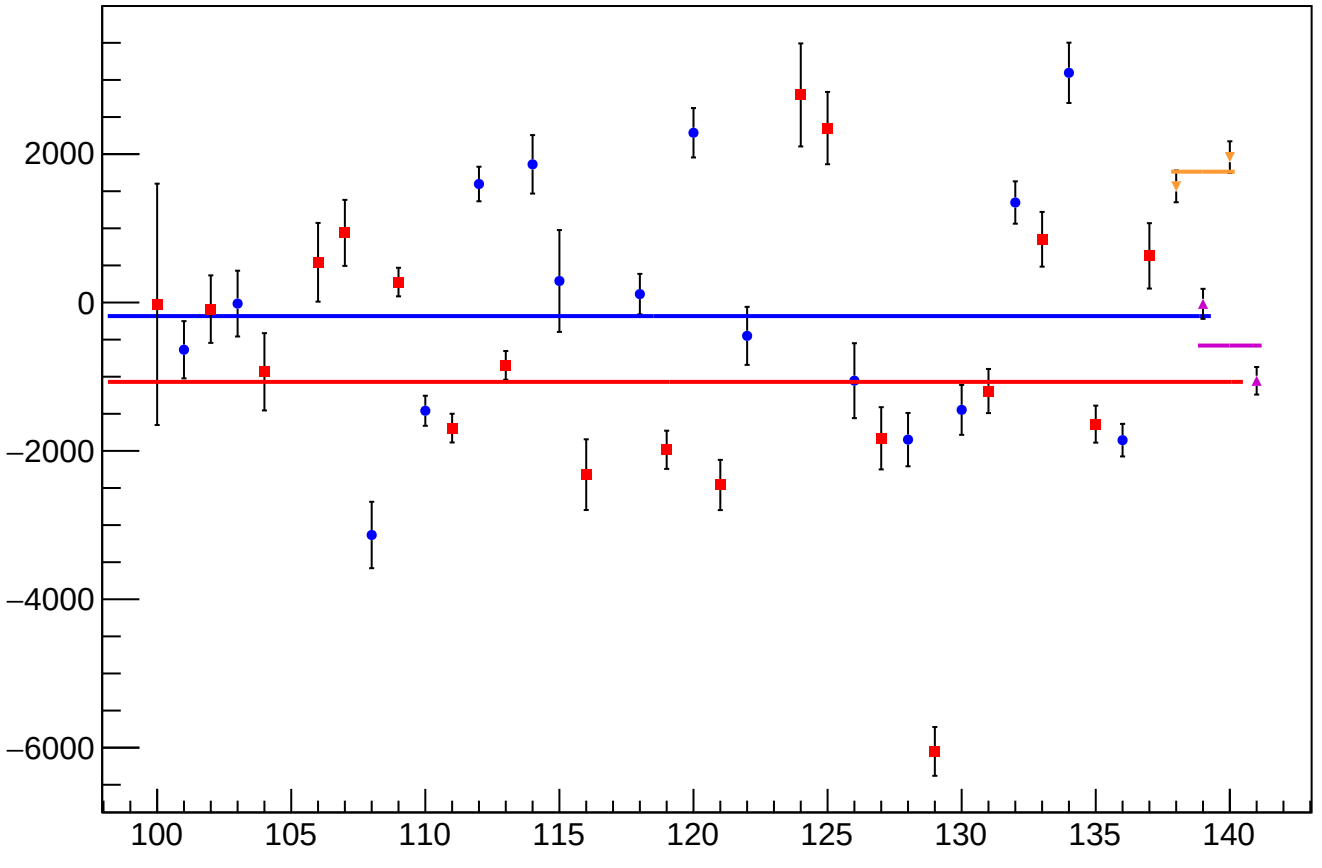
Left: 662.569+/-0.322 χ^2/NDF: 580774.5/3

Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 443.516+/-0.136 χ^2/NDF:3932014.3/17

Out: 540.076+/-0.158 χ^2/NDF:4098401.1/20

All: 484.824+/-0.103 χ^2/NDF: 8245304.6/38



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1763.629+/-151.004 χ^2/NDF:1.7/1

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: -580.051+/-136.891 χ^2/NDF:14.2/1

Left: 477.173+/-101.420 χ^2/NDF: 148.2/3

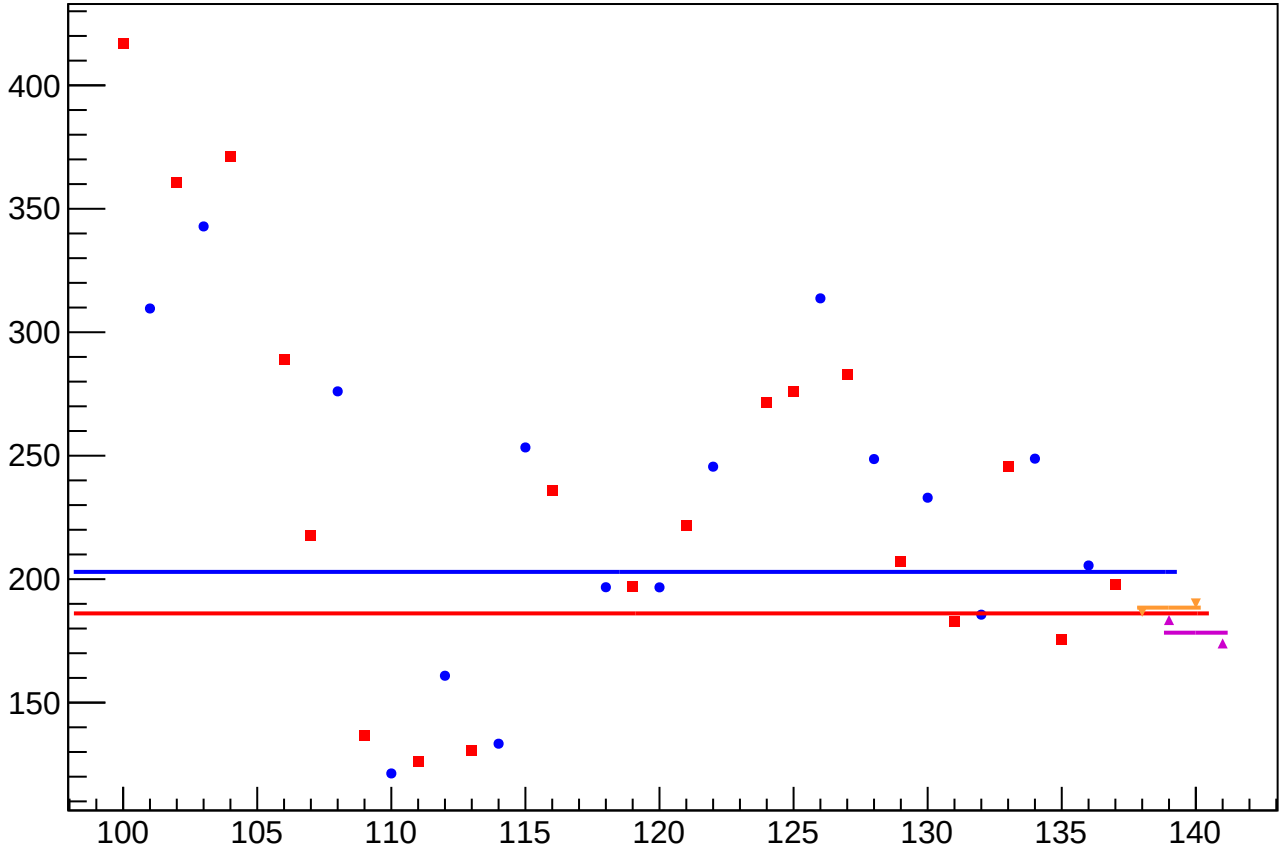
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -283.839+/-68.982 χ^2/NDF:438.2/17

Out: -532.274+/-65.767 χ^2/NDF:779.3/20

All: -413.981+/-47.600 χ^2/NDF: 1224.3/38

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 188.466+/-0.107 χ^2/NDF:253.5/1

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 178.316+/-0.097 χ^2/NDF:2381.7/1

Left: 182.895+/-0.072 χ^2/NDF: 7595.0/3

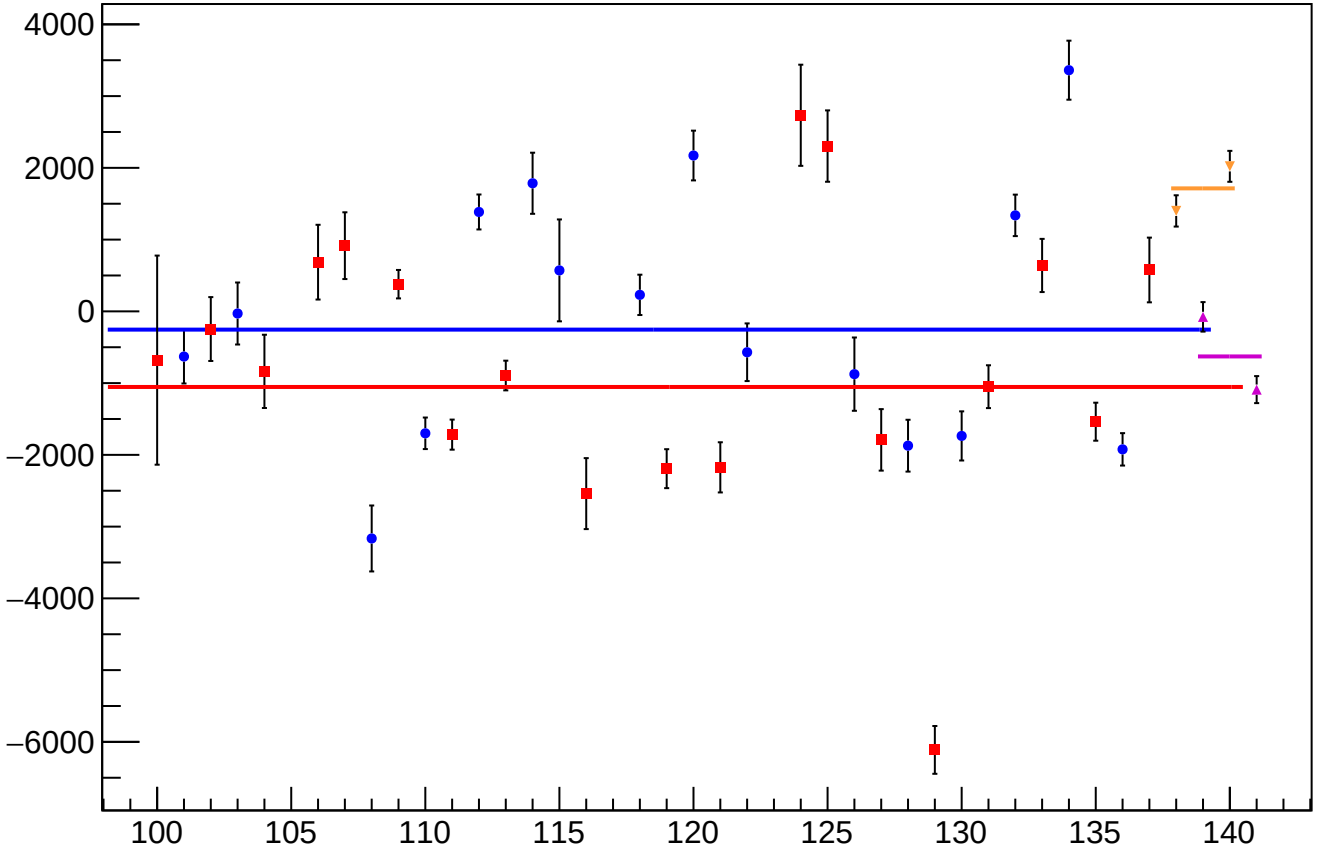
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 196.688+/-0.049 χ^2/NDF:1122525.4/17

Out: 186.572+/-0.047 χ^2/NDF:1482306.1/20

All: 191.389+/-0.034 χ^2/NDF: 2627362.0/38

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1713.957+/-153.328 χ^2/NDF:4.1/1

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -628.213+/-138.813 χ^2/NDF:13.2/1

Left: 426.791+/-102.906 χ^2/NDF: 145.6/3

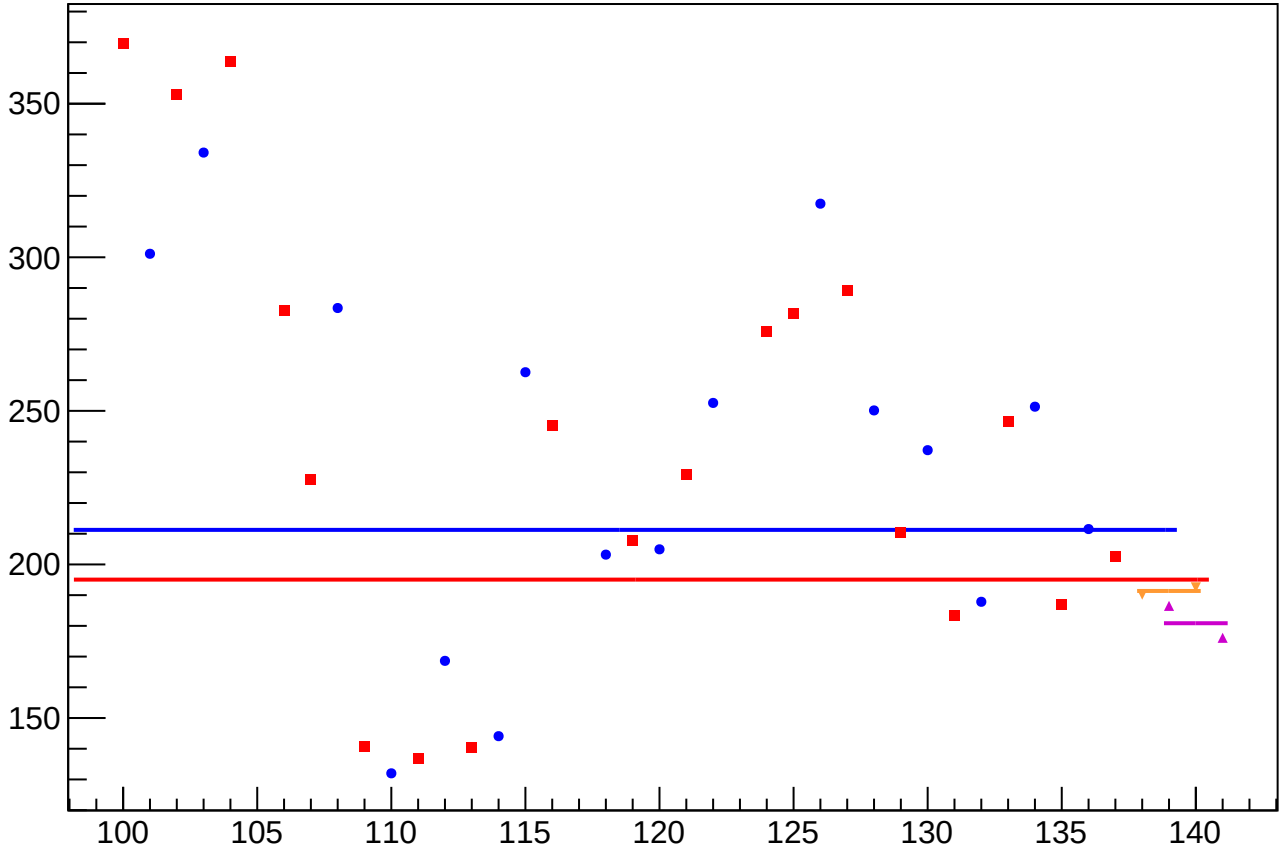
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -352.007+/-70.914 χ^2/NDF:427.9/17

Out: -508.211+/-68.072 χ^2/NDF:743.4/20

All: -433.301+/-49.108 χ^2/NDF: 1173.8/38

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 191.364+/-0.108 χ^2/NDF:119.8/1

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 180.861+/-0.098 χ^2/NDF:2781.9/1

Left: 185.592+/-0.073 χ^2/NDF: 8059.4/3

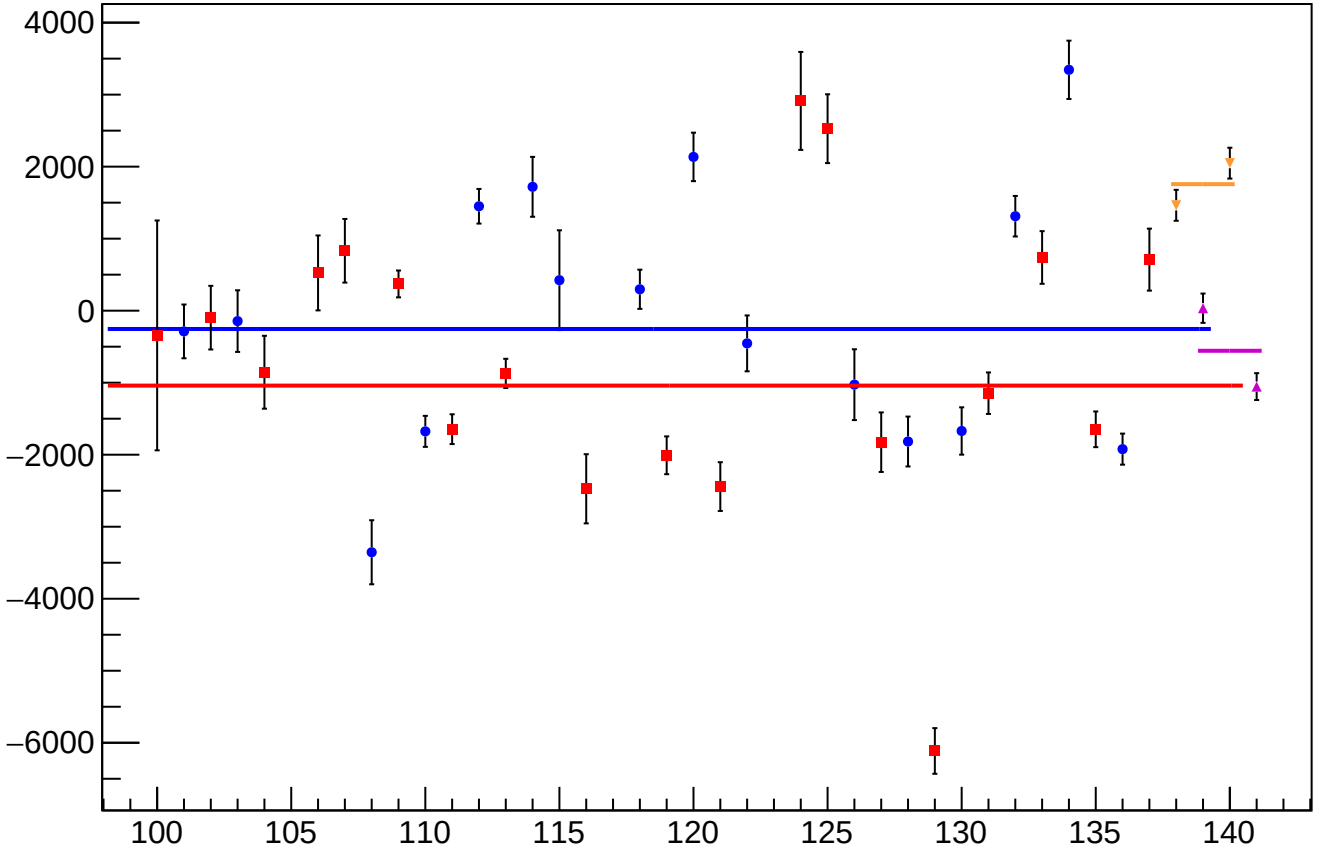
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 203.322+/-0.050 χ^2/NDF:958000.5/17

Out: 194.332+/-0.048 χ^2/NDF:1285933.5/20

All: 198.643+/-0.035 χ^2/NDF: 2260660.2/38

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1756.708+/-151.680 χ^2/NDF:3.7/1

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: -556.760+/-137.417 χ^2/NDF:15.6/1

Left: 486.111+/-101.839 χ^2/NDF: 147.1/3

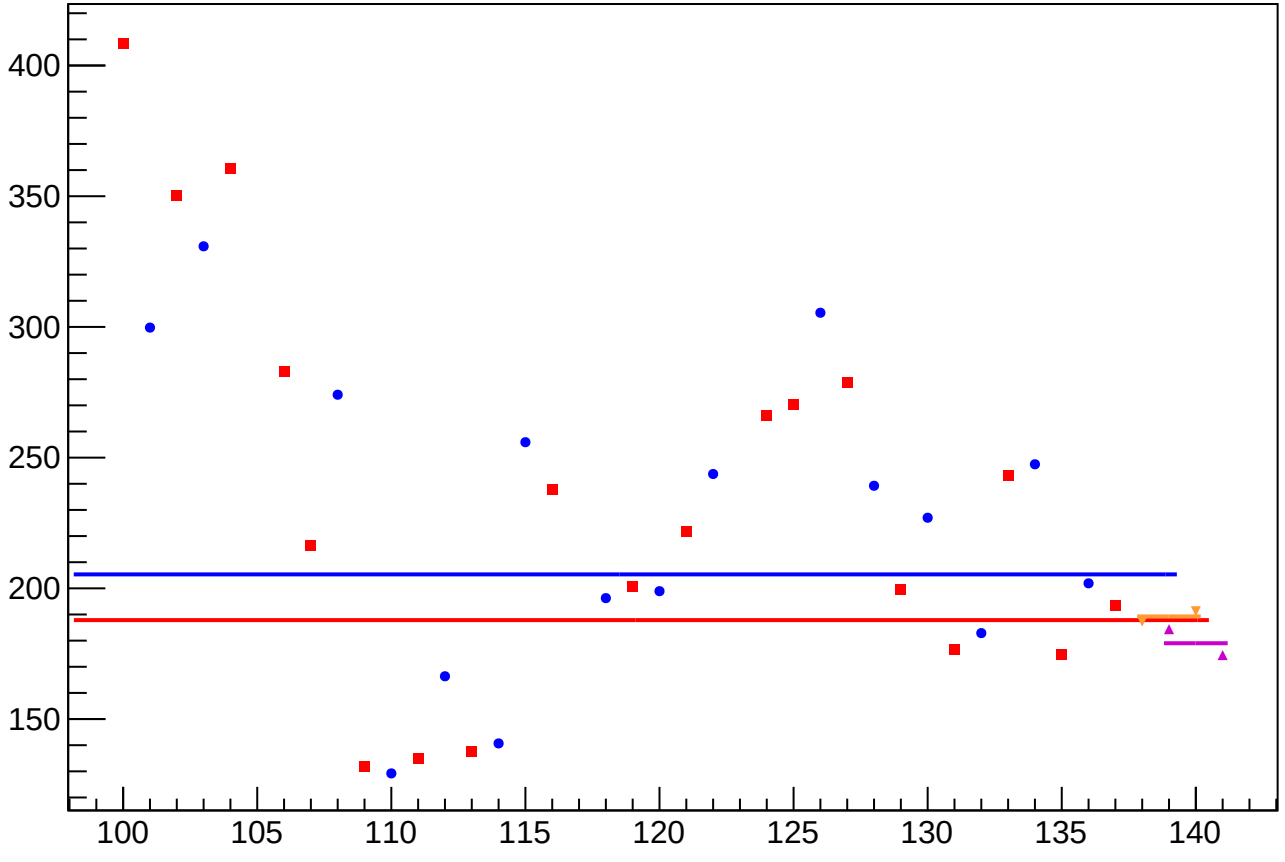
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -330.989+/-69.281 χ^2/NDF:451.3/17

Out: -510.079+/-66.044 χ^2/NDF:812.7/20

All: -424.816+/-47.803 χ^2/NDF: 1267.5/38

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 189.257+/-0.107 χ^2/NDF:338.3/1

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 179.005+/-0.097 χ^2/NDF:2579.3/1

Left: 183.627+/-0.072 χ^2/NDF: 7935.9/3

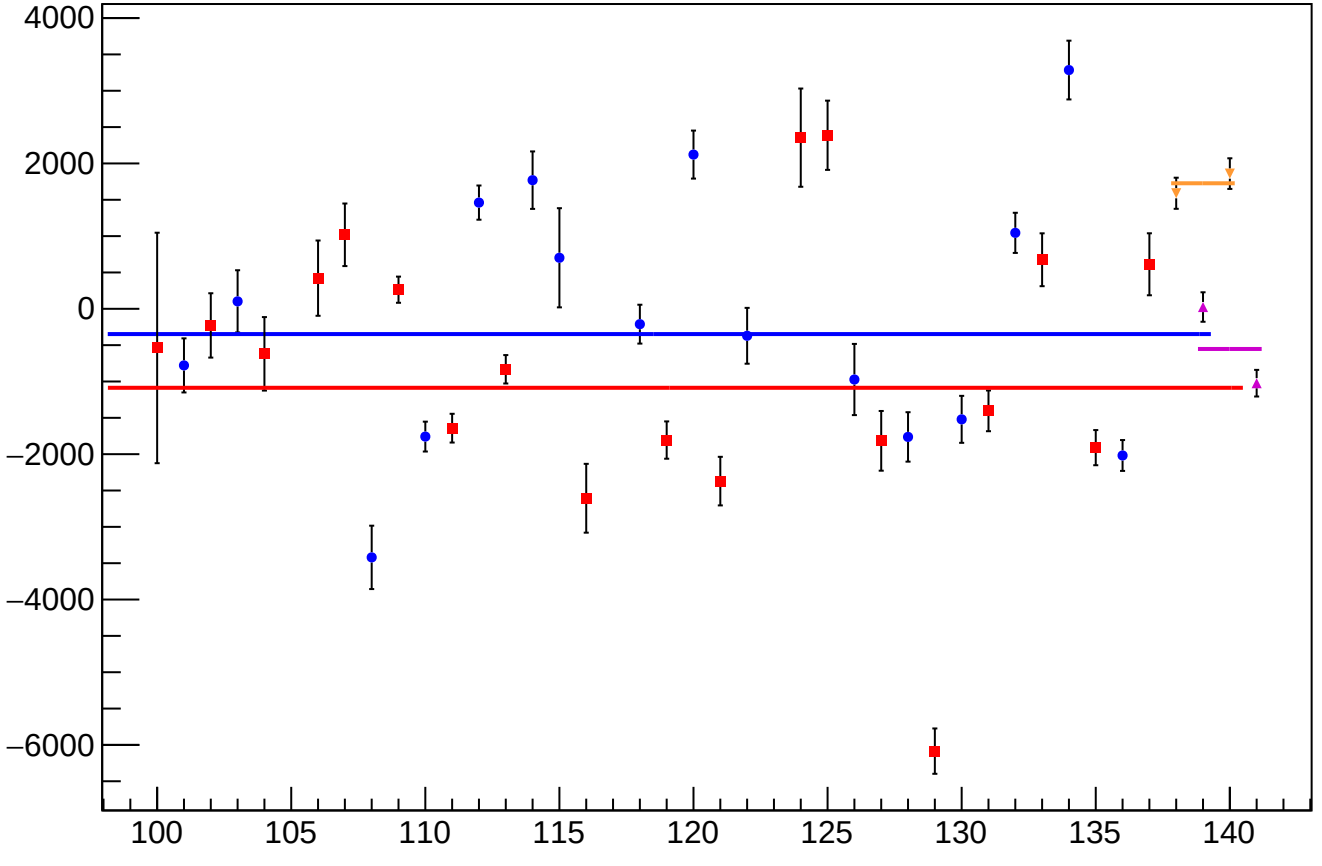
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 198.647+/-0.049 χ^2/NDF:934766.3/17

Out: 188.115+/-0.047 χ^2/NDF:1337527.6/20

All: 193.129+/-0.034 χ^2/NDF: 2296507.1/38

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1727.071+/-150.171 χ^2/NDF:0.8/1

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: -552.554+/-135.960 χ^2/NDF:14.7/1

Left: 474.311+/-100.789 χ^2/NDF: 142.1/3

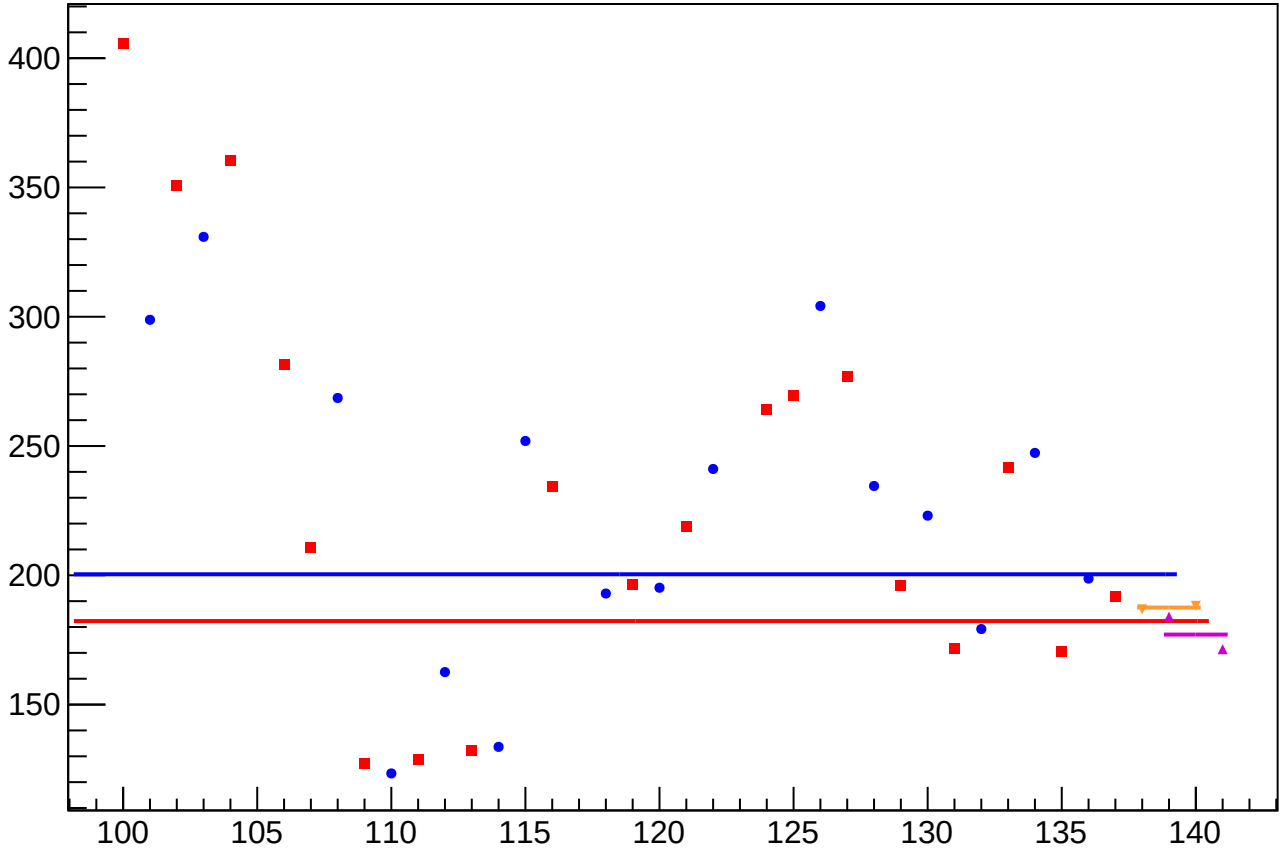
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -398.957+/-68.026 χ^2/NDF:462.2/17

Out: -566.204+/-64.585 χ^2/NDF:814.1/20

All: -486.917+/-46.838 χ^2/NDF: 1279.5/38

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 187.527+/-0.106 χ^2/NDF:39.8/1

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 177.073+/-0.096 χ^2/NDF:4234.2/1

Left: 181.782+/-0.071 χ^2/NDF: 9600.3/3

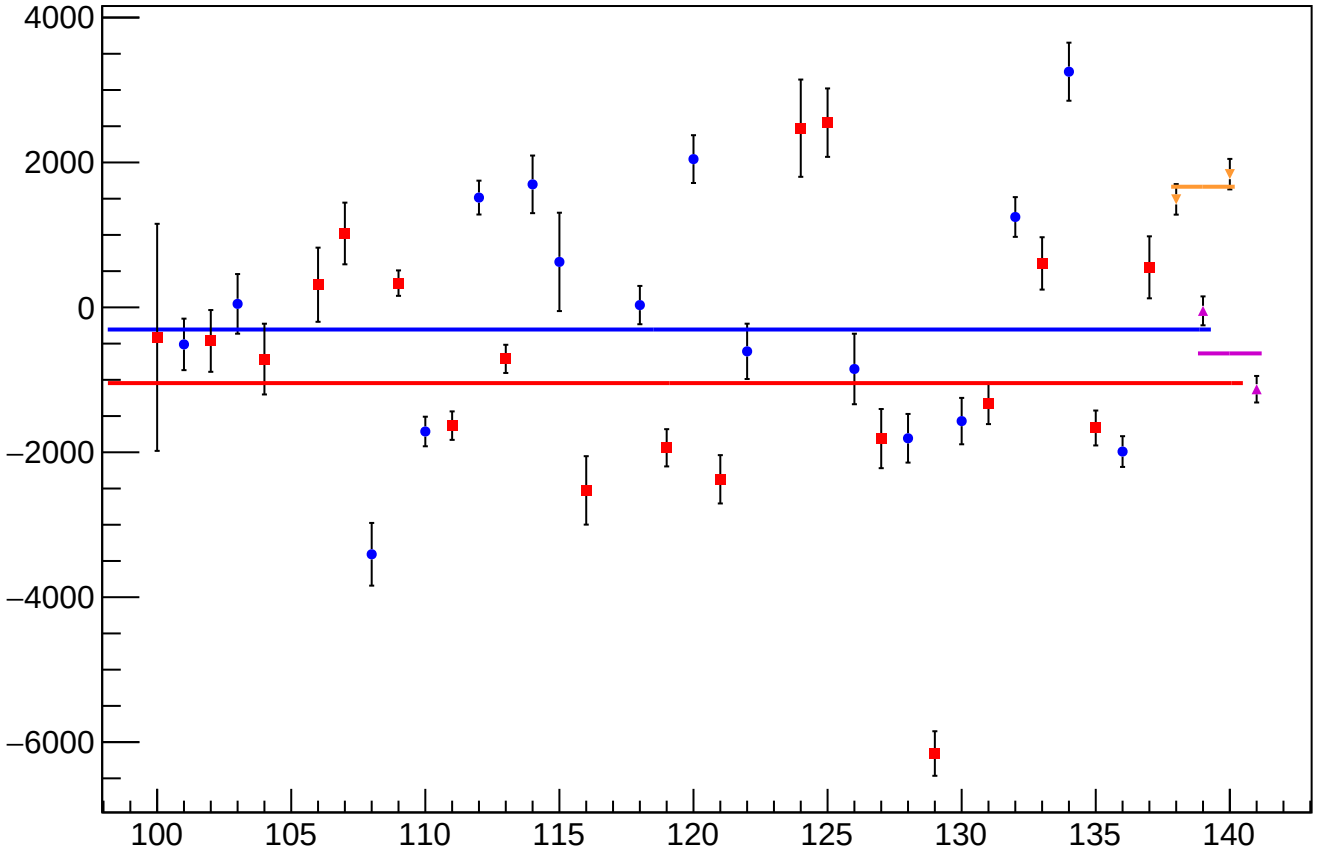
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 194.559+/-0.048 χ^2/NDF:1007367.2/17

Out: 183.268+/-0.046 χ^2/NDF:1449210.2/20

All: 188.621+/-0.033 χ^2/NDF: 2485557.7/38

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1665.079+/-148.904 χ^2/NDF:1.4/1

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: -635.413+/-134.930 χ^2/NDF:15.9/1

Left: 401.853+/-99.986 χ^2/NDF: 148.4/3

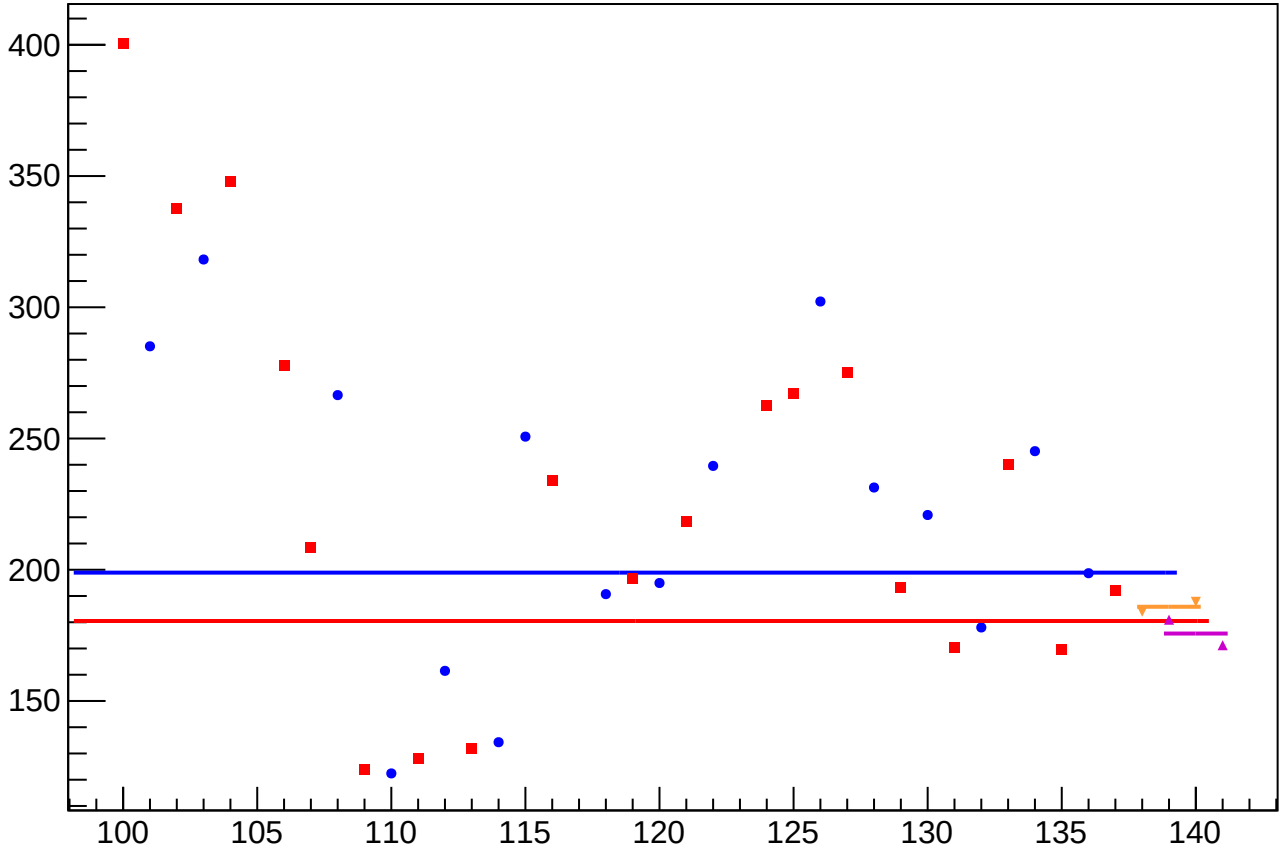
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -388.036+/-67.443 χ^2/NDF:472.2/17

Out: -545.133+/-63.958 χ^2/NDF:823.7/20

All: -470.749+/-46.408 χ^2/NDF: 1298.8/38

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 185.895+/-0.105 χ^2/NDF:319.7/1

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 175.694+/-0.095 χ^2/NDF:2578.7/1

Left: 180.293+/-0.071 χ^2/NDF: 8052.3/3

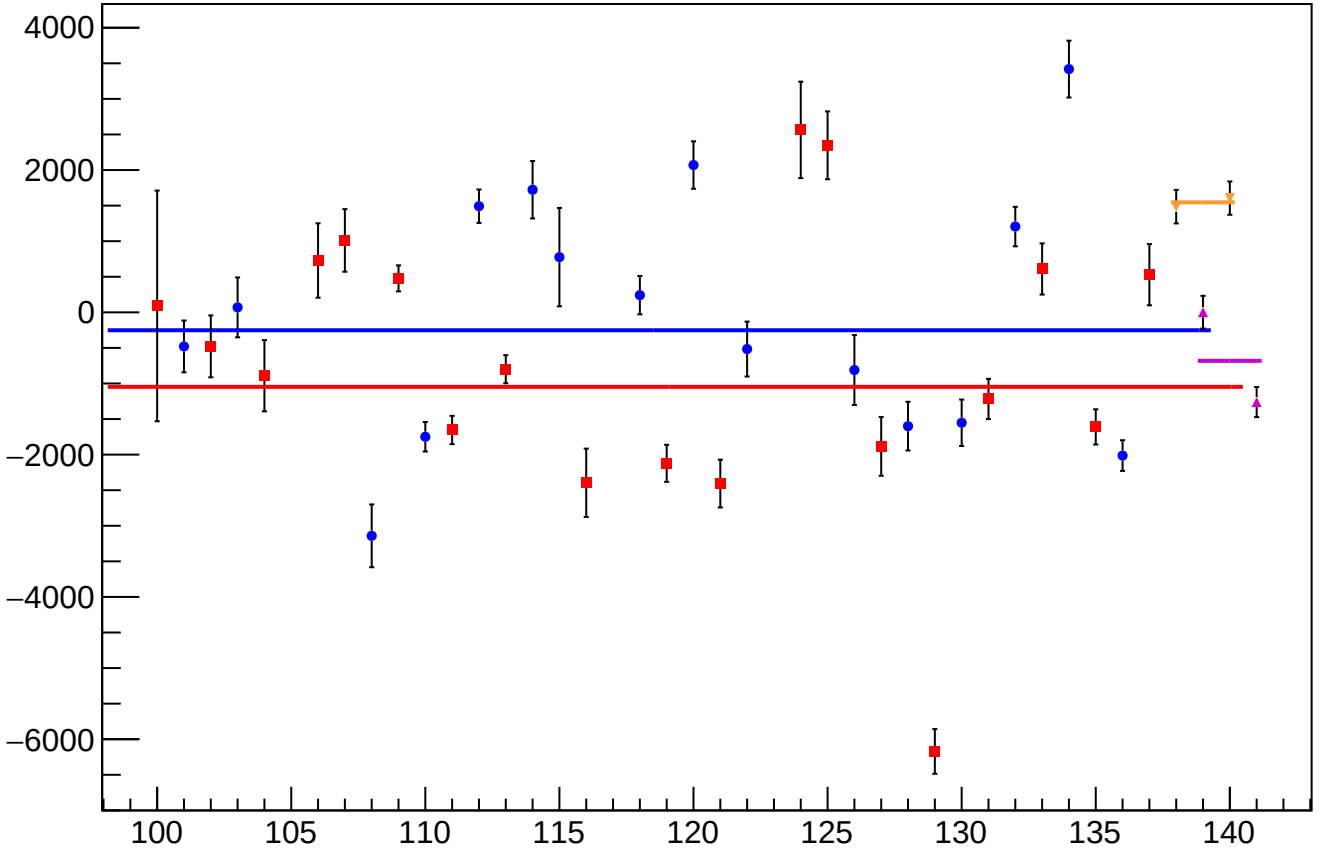
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 193.104+/-0.048 χ^2/NDF:959731.0/17

Out: 181.473+/-0.045 χ^2/NDF:1436918.1/20

All: 186.980+/-0.033 χ^2/NDF: 2427968.1/38

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1545.776+/-166.009 χ^2/NDF:0.1/1

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: -681.521+/-155.693 χ^2/NDF:16.3/1

Left: 360.782+/-113.563 χ^2/NDF: 112.2/3

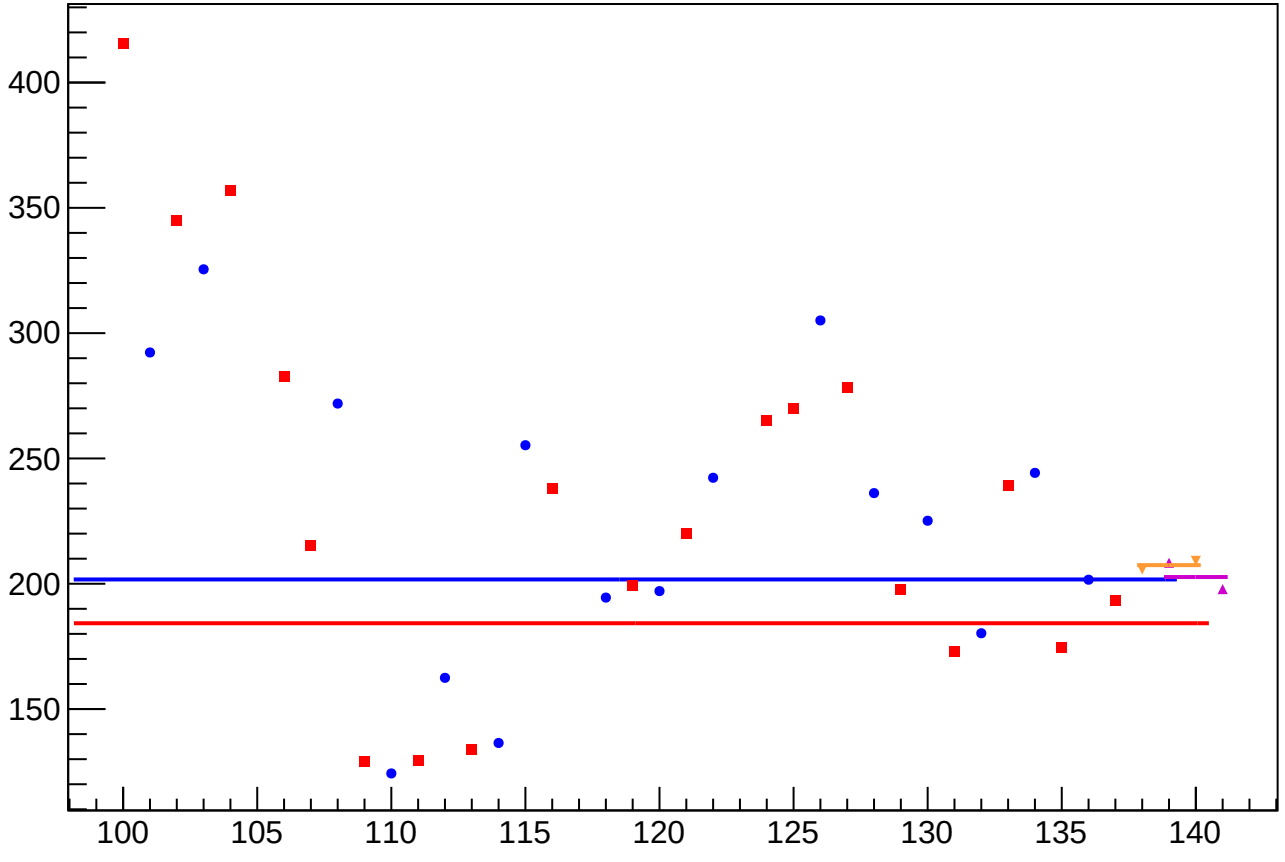
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -339.735+/-70.431 χ^2/NDF:463.6/17

Out: -634.787+/-66.201 χ^2/NDF:752.0/20

All: -496.386+/-48.238 χ^2/NDF: 1225.0/38

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 207.431+/-0.117 χ^2/NDF:217.9/1

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 202.685+/-0.110 χ^2/NDF:2264.4/1

Left: 204.906+/-0.080 χ^2/NDF: 3352.0/3

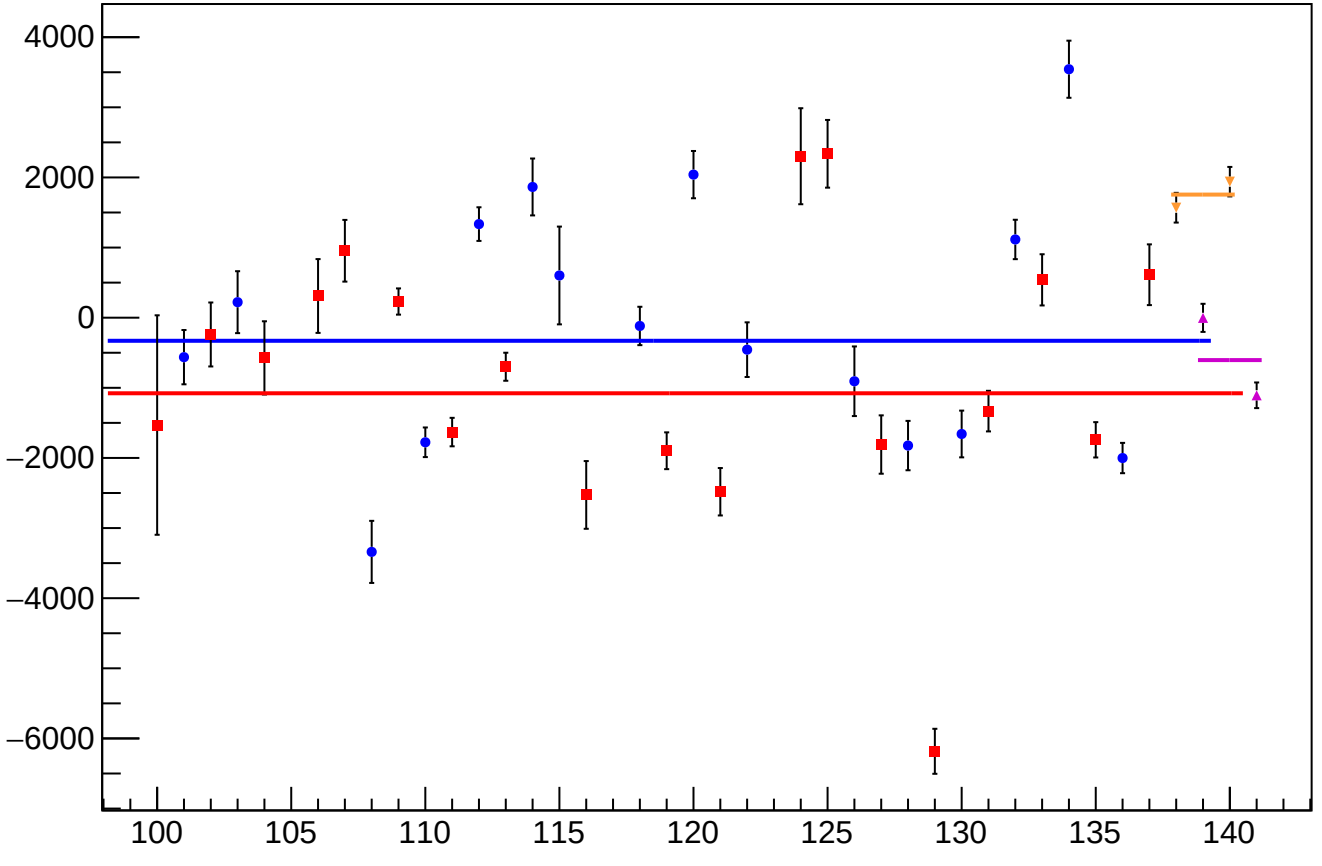
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 201.912+/-0.050 χ^2/NDF:926536.4/17

Out: 187.931+/-0.047 χ^2/NDF:1436791.7/20

All: 194.489+/-0.034 χ^2/NDF: 2405170.4/38

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1755.518+/-149.285 χ^2/NDF:1.5/1

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: -604.636+/-135.031 χ^2/NDF:16.6/1

Left: 457.419+/-100.143 χ^2/NDF: 155.6/3

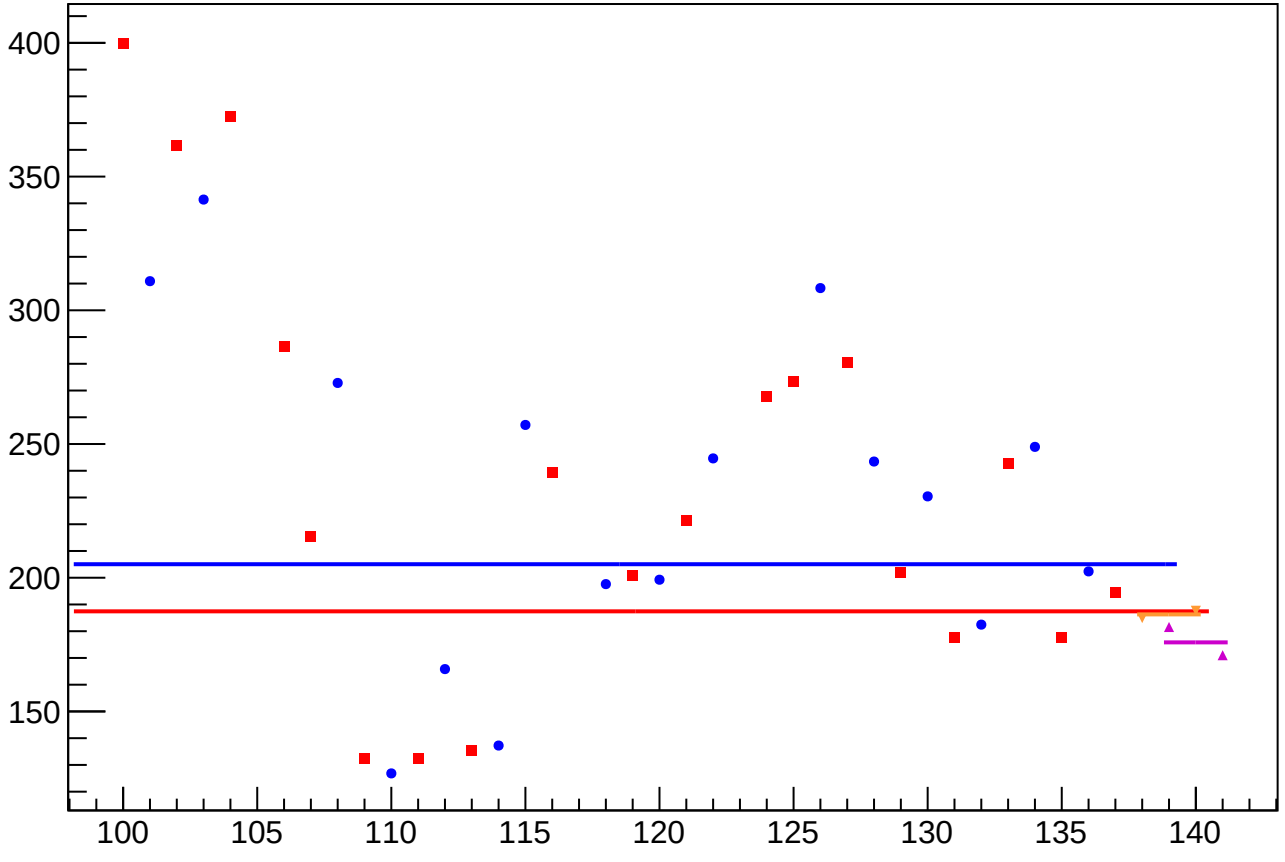
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -401.377+/-69.061 χ^2/NDF:456.1/17

Out: -526.210+/-65.872 χ^2/NDF:793.6/20

All: -466.742+/-47.666 χ^2/NDF: 1251.4/38

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 186.290+/-0.106 χ^2/NDF:166.7/1

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 175.826+/-0.095 χ^2/NDF:3026.7/1

Left: 180.534+/-0.071 χ^2/NDF: 8598.1/3

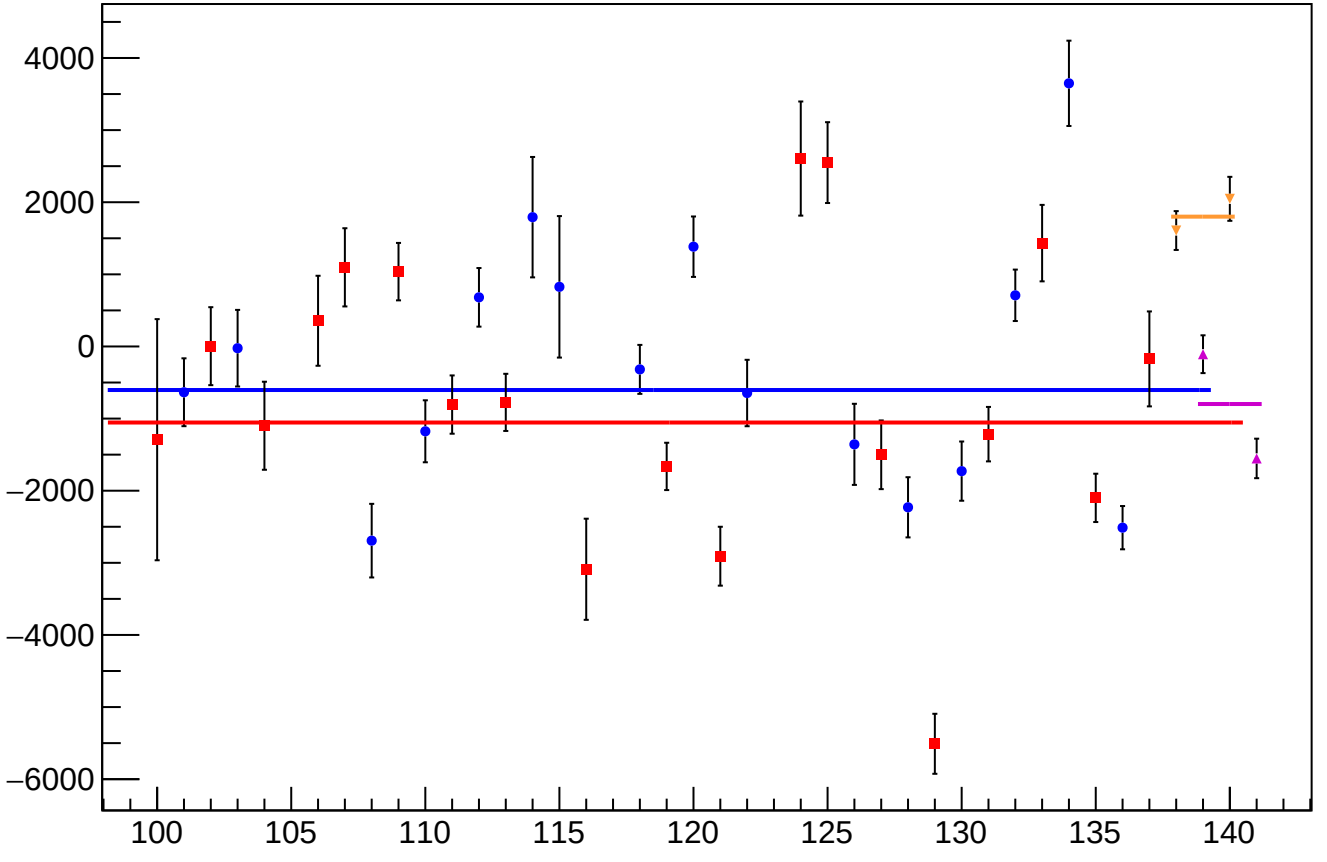
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 197.408+/-0.049 χ^2/NDF:1035269.0/17

Out: 187.209+/-0.047 χ^2/NDF:1411063.1/20

All: 192.067+/-0.034 χ^2/NDF: 2469171.2/38

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1800.051+/-201.838 χ^2/NDF:1.2/1

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -797.987+/-189.368 χ^2/NDF:14.5/1

Left: 418.304+/-138.101 χ^2/NDF: 103.8/3

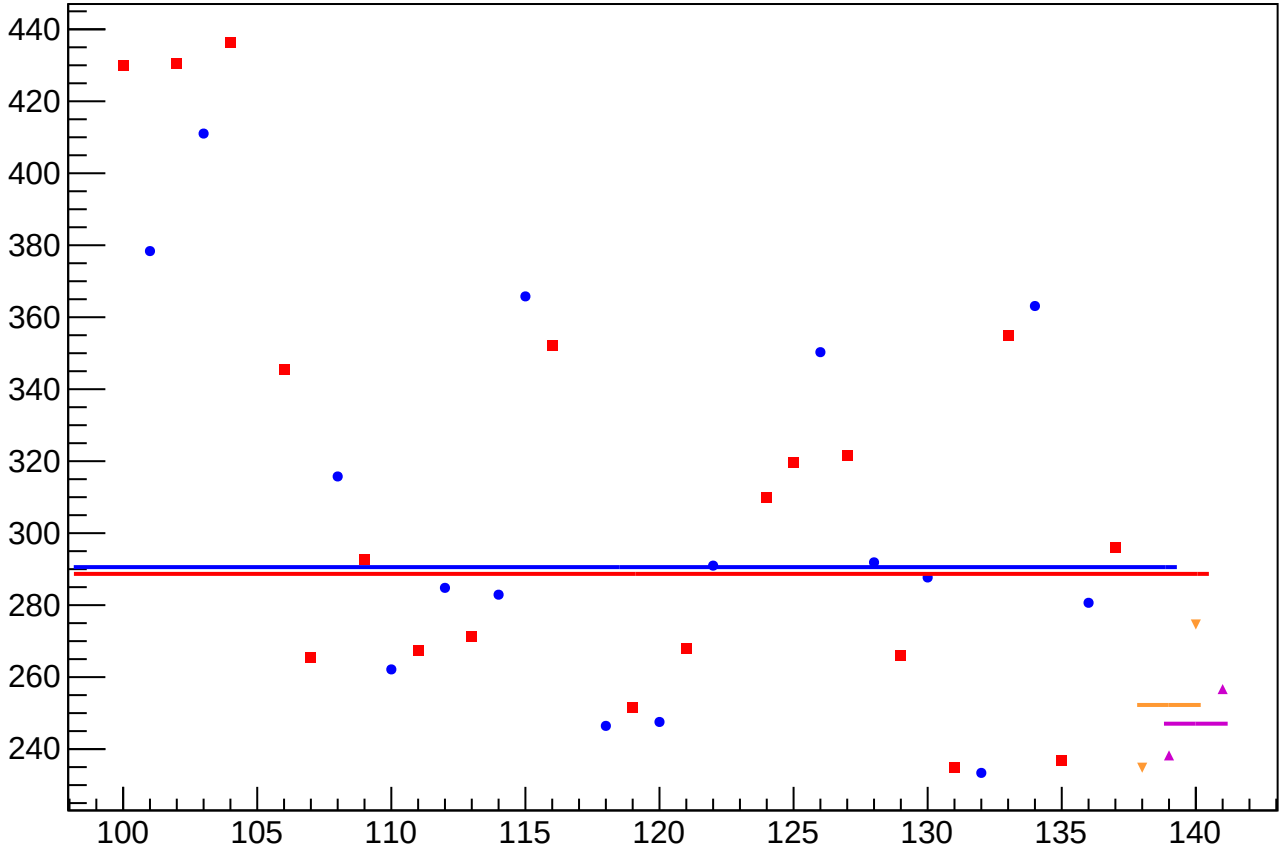
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -653.294+/-95.564 χ^2/NDF:208.9/17

Out: -416.751+/-95.405 χ^2/NDF:454.2/20

All: -534.826+/-67.518 χ^2/NDF: 666.1/38

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 252.265+/-0.143 χ^2/NDF:19141.0/1

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 247.061+/-0.134 χ^2/NDF:4724.7/1

Left: 249.497+/-0.098 χ^2/NDF: 24572.8/3

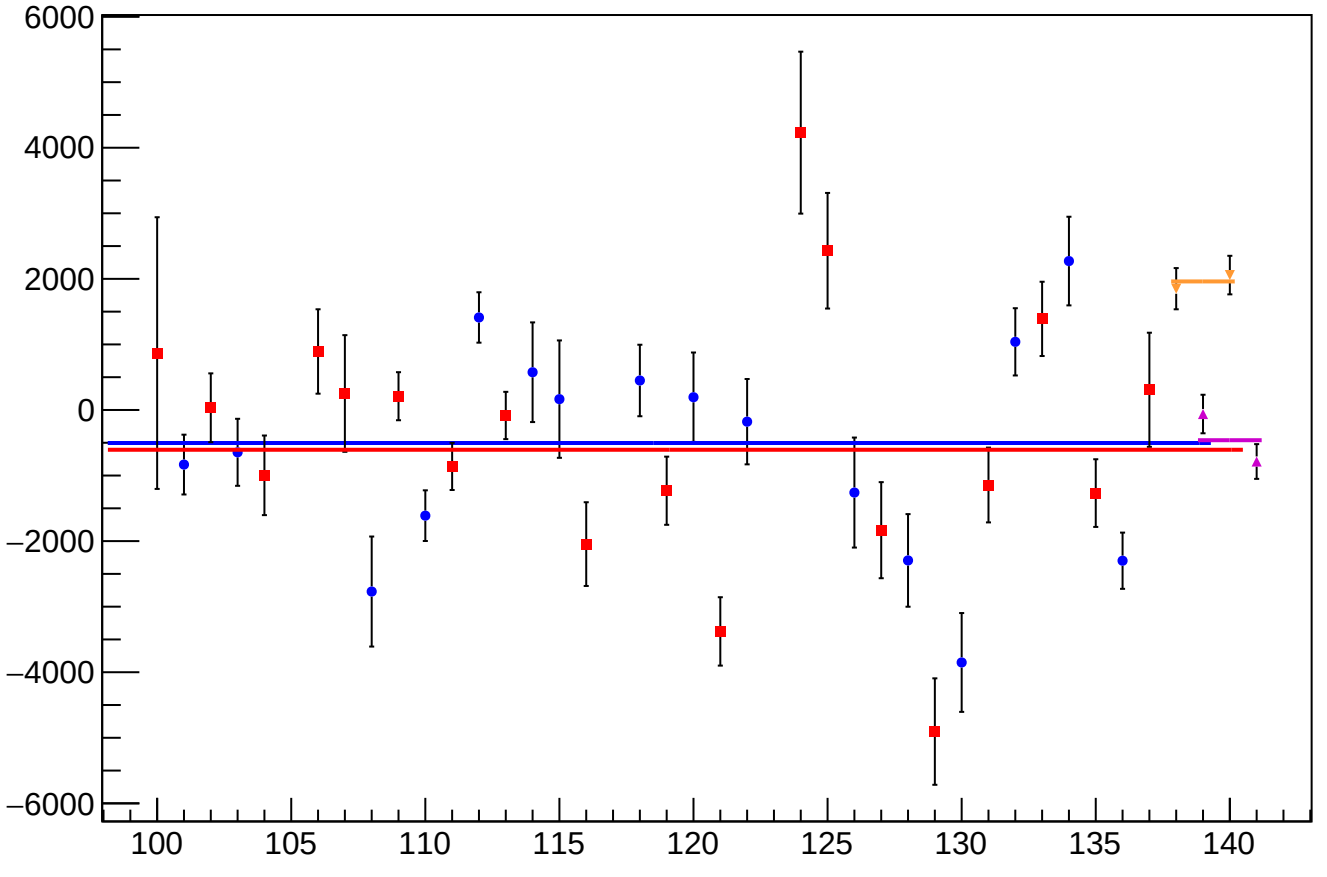
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 279.487+/-0.068 χ^2/NDF:443208.3/17

Out: 280.548+/-0.067 χ^2/NDF:558807.5/20

All: 280.019+/-0.048 χ^2/NDF: 1002139.4/38

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1960.689+/-214.742 χ^2/NDF:0.2/1

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -461.028+/-196.788 χ^2/NDF:3.4/1

Left: 644.379+/-145.083 χ^2/NDF: 72.7/3

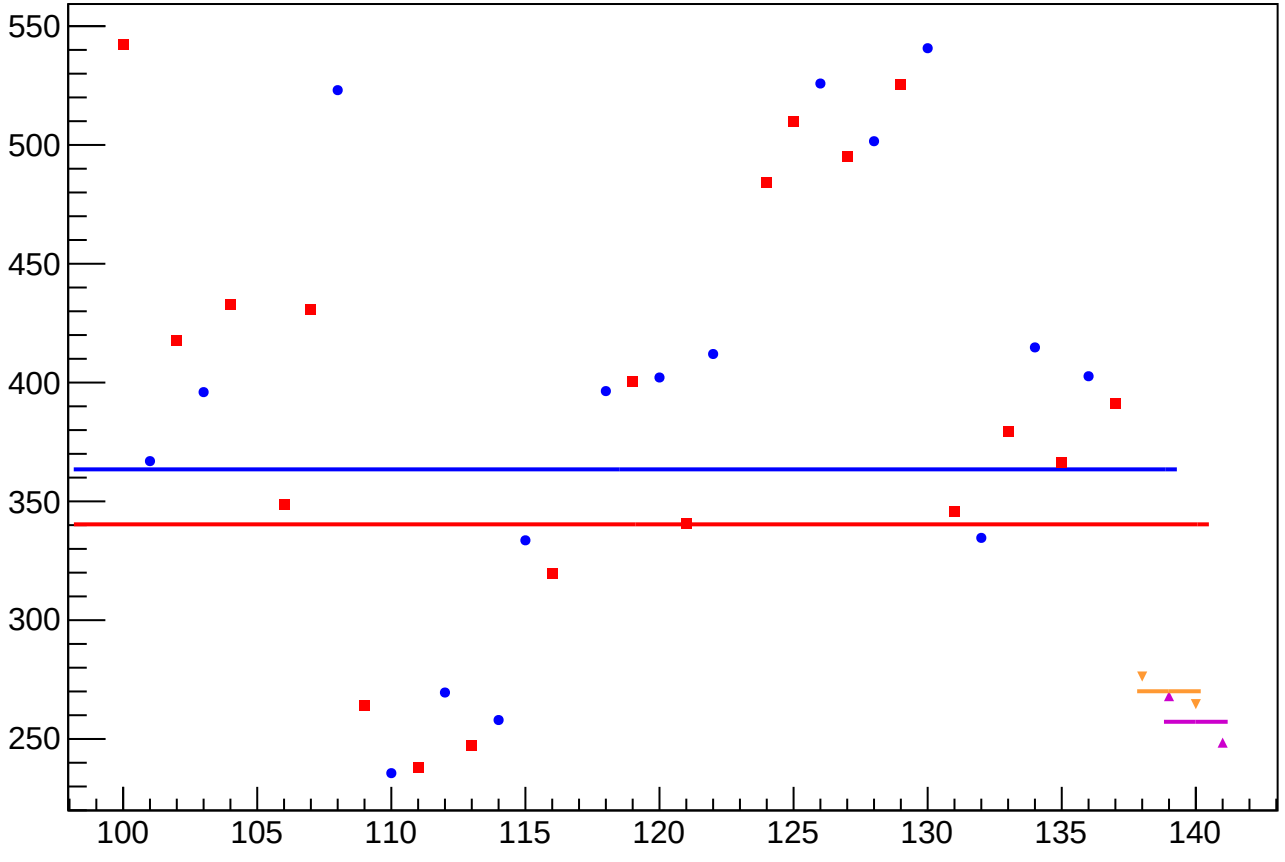
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -489.336+/-114.108 χ^2/NDF:121.6/17

Out: 78.694+/-110.964 χ^2/NDF:230.2/20

All: -197.388+/-79.552 χ^2/NDF: 364.5/38

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 270.085+/-0.152 χ^2/NDF:1456.9/1

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 257.238+/-0.139 χ^2/NDF:4891.3/1

Left: 263.102+/-0.103 χ^2/NDF: 10238.9/3

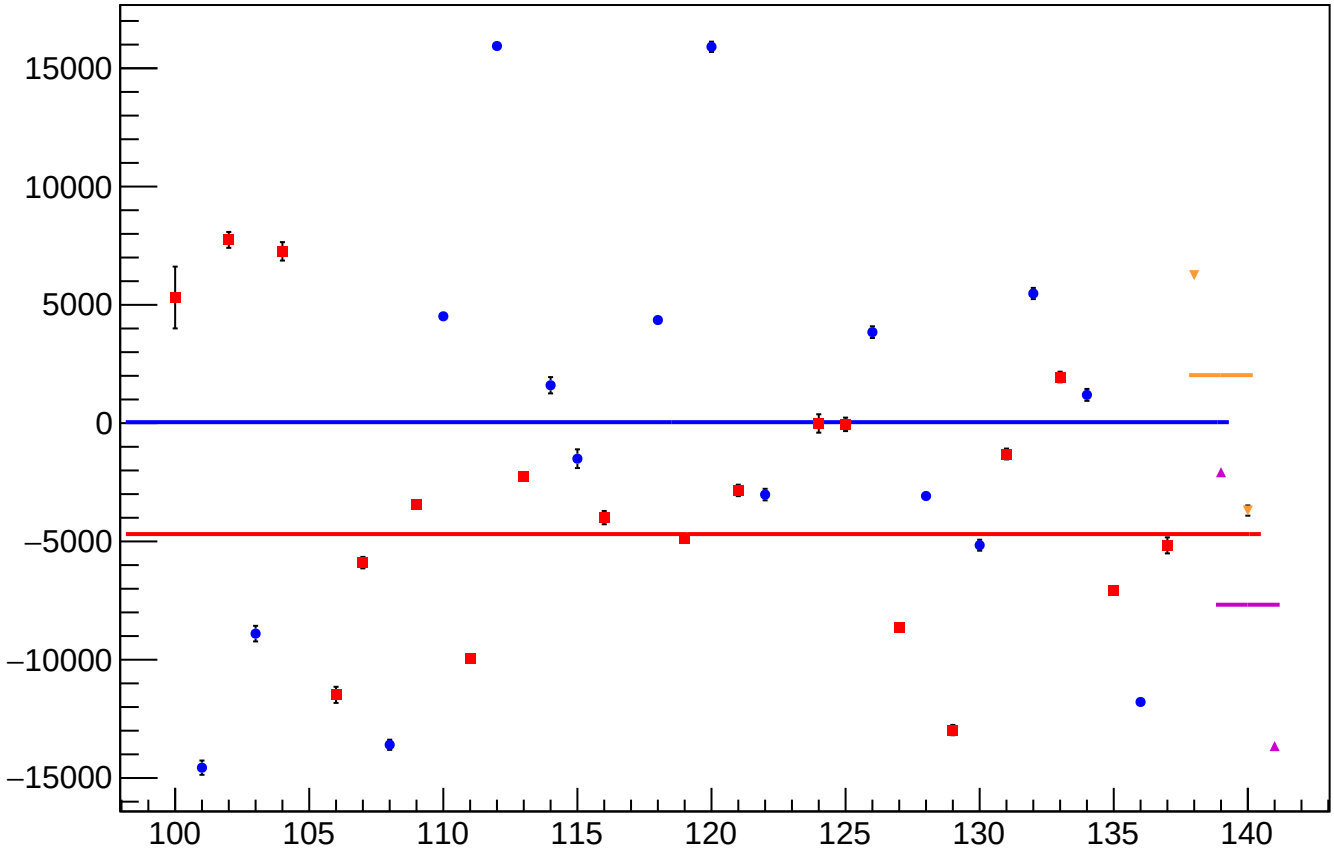
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 327.752+/-0.081 χ^2/NDF:1172658.4/17

Out: 321.575+/-0.078 χ^2/NDF:1014561.5/20

All: 324.578+/-0.056 χ^2/NDF: 2190232.3/38

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 2027.220+/-141.051 χ^2/NDF:1215.1/1

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7675.269+/-135.766 χ^2/NDF:1815.7/1

Left: -3009.189+/-97.816 χ^2/NDF: 5486.9/3

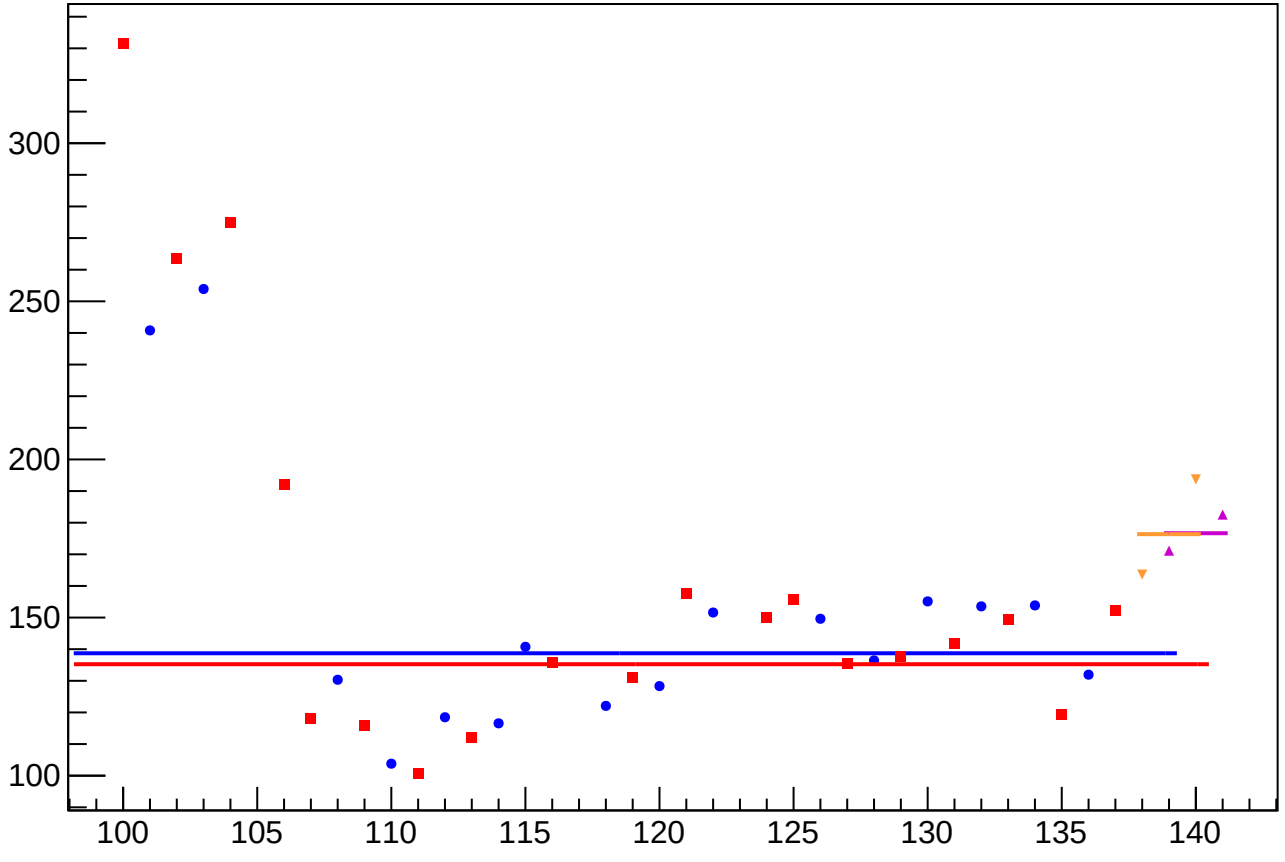
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -1019.748+/-50.336 χ^2/NDF:35388.1/17

Out: -3883.444+/-48.869 χ^2/NDF:11006.3/20

All: -2493.947+/-35.063 χ^2/NDF: 48060.6/38

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 176.377+/-0.100 χ^2/NDF:22275.9/1

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 176.672+/-0.096 χ^2/NDF:3527.2/1

Left: 176.530+/-0.069 χ^2/NDF: 25807.6/3

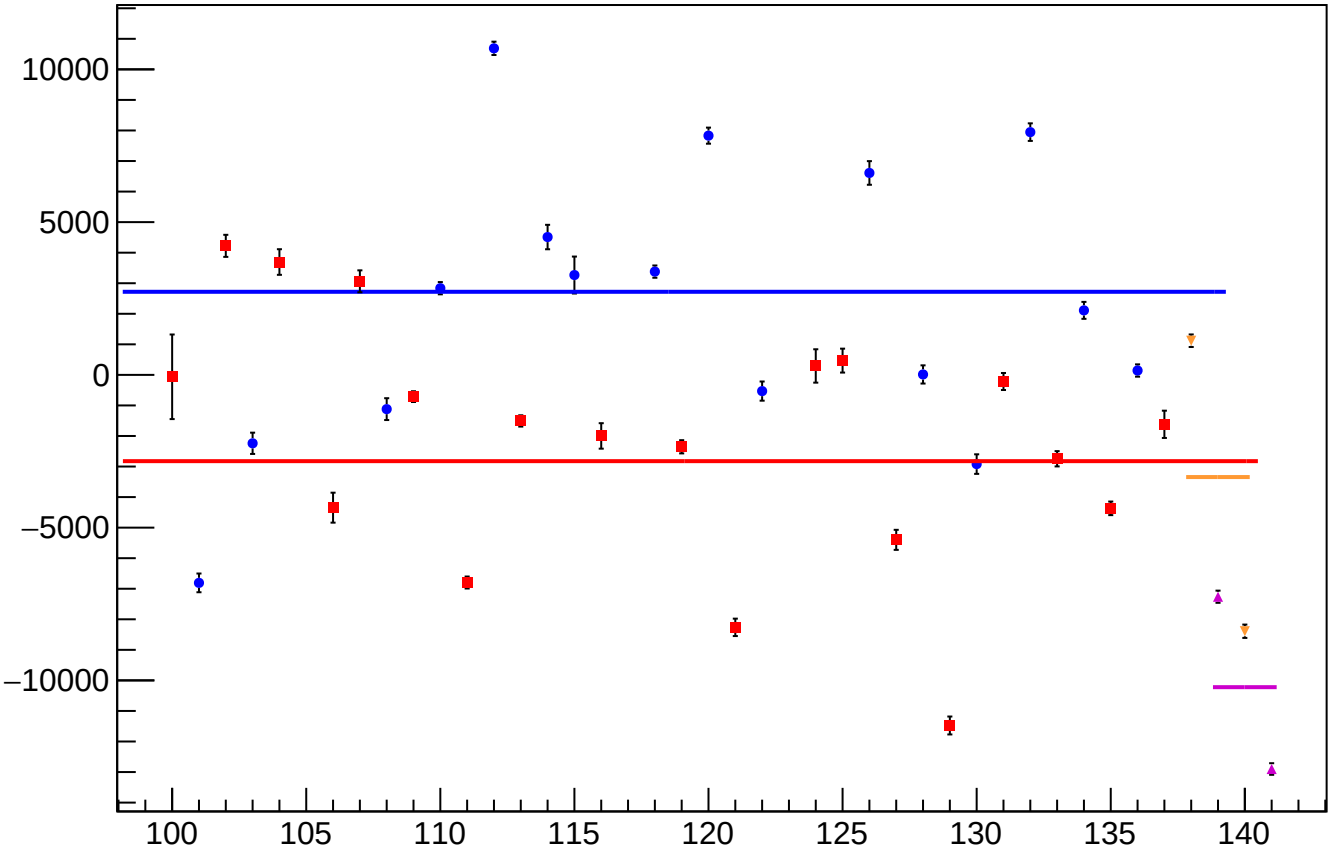
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 143.930+/-0.036 χ^2/NDF:796178.7/17

Out: 140.182+/-0.035 χ^2/NDF:1061959.9/20

All: 142.001+/-0.025 χ^2/NDF: 1863845.4/38

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -3344.405+/-149.642 χ^2/NDF:1005.7/1

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -10221.655+/-137.394 χ^2/NDF:420.1/1

Left: -7075.961+/-101.206 χ^2/NDF: 2571.8/3

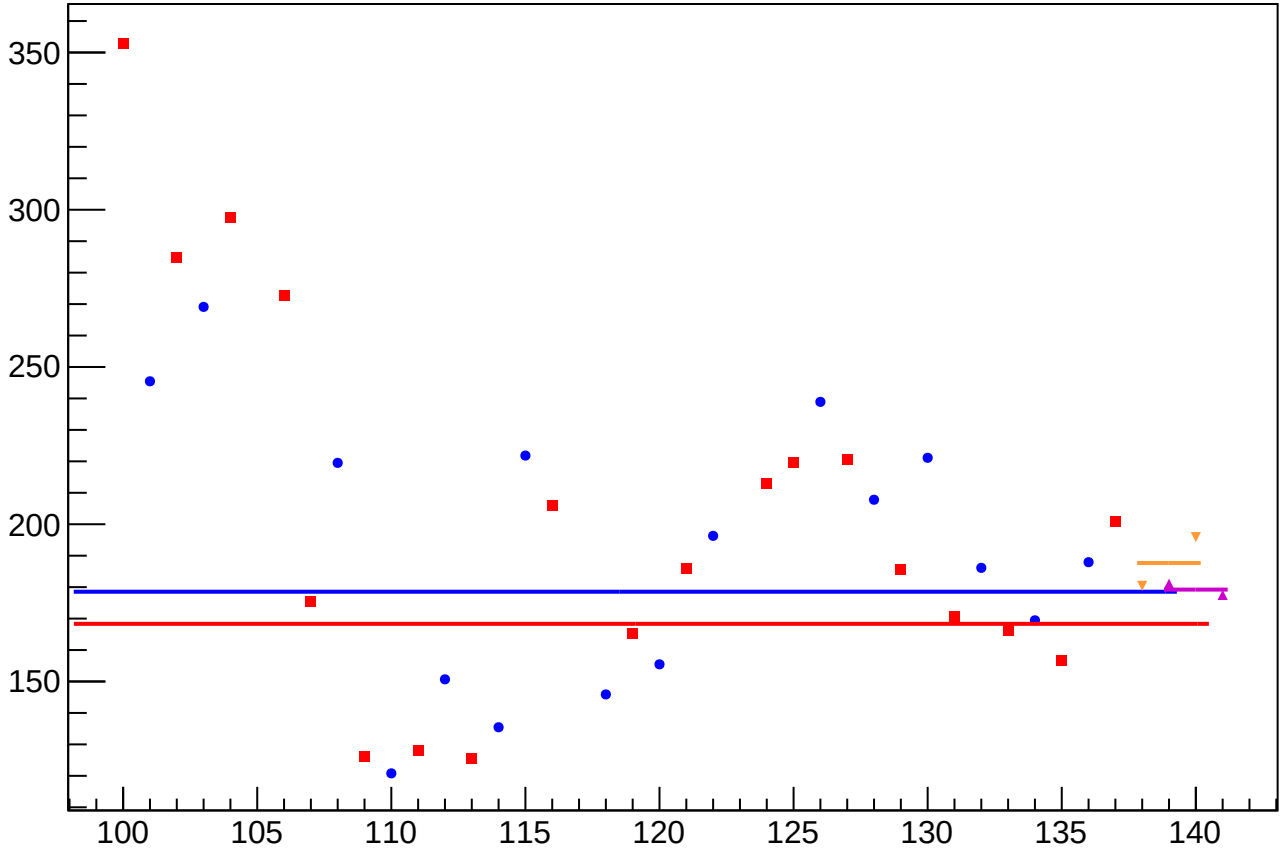
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: 98.408+/-61.837 χ^2/NDF:11624.4/17

Out: -2906.012+/-59.503 χ^2/NDF:4078.7/20

All: -1461.575+/-42.876 χ^2/NDF: 16928.8/38

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 187.685+/-0.106 χ^2/NDF:5329.2/1

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 179.221+/-0.097 χ^2/NDF:336.9/1

Left: 183.092+/-0.072 χ^2/NDF: 9138.3/3

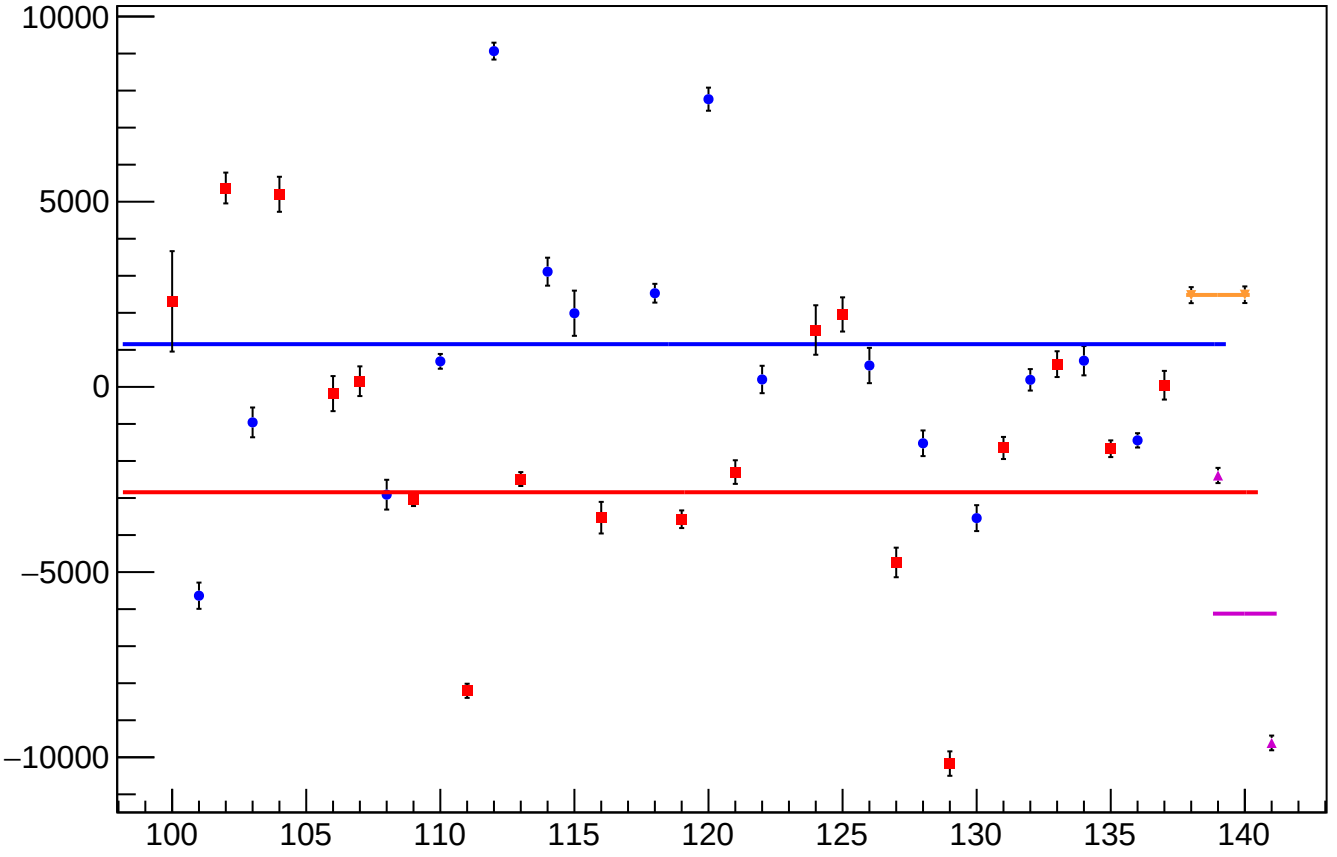
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.679+/-0.044 χ^2/NDF:674942.0/17

Out: 171.394+/-0.042 χ^2/NDF:1012970.5/20

All: 174.896+/-0.030 χ^2/NDF: 1702323.1/38

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2482.851+/-155.792 χ^2/NDF:0.0/1

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -6121.840+/-142.841 χ^2/NDF:638.2/1

Left: -2191.974+/-105.285 χ^2/NDF: 2295.5/3

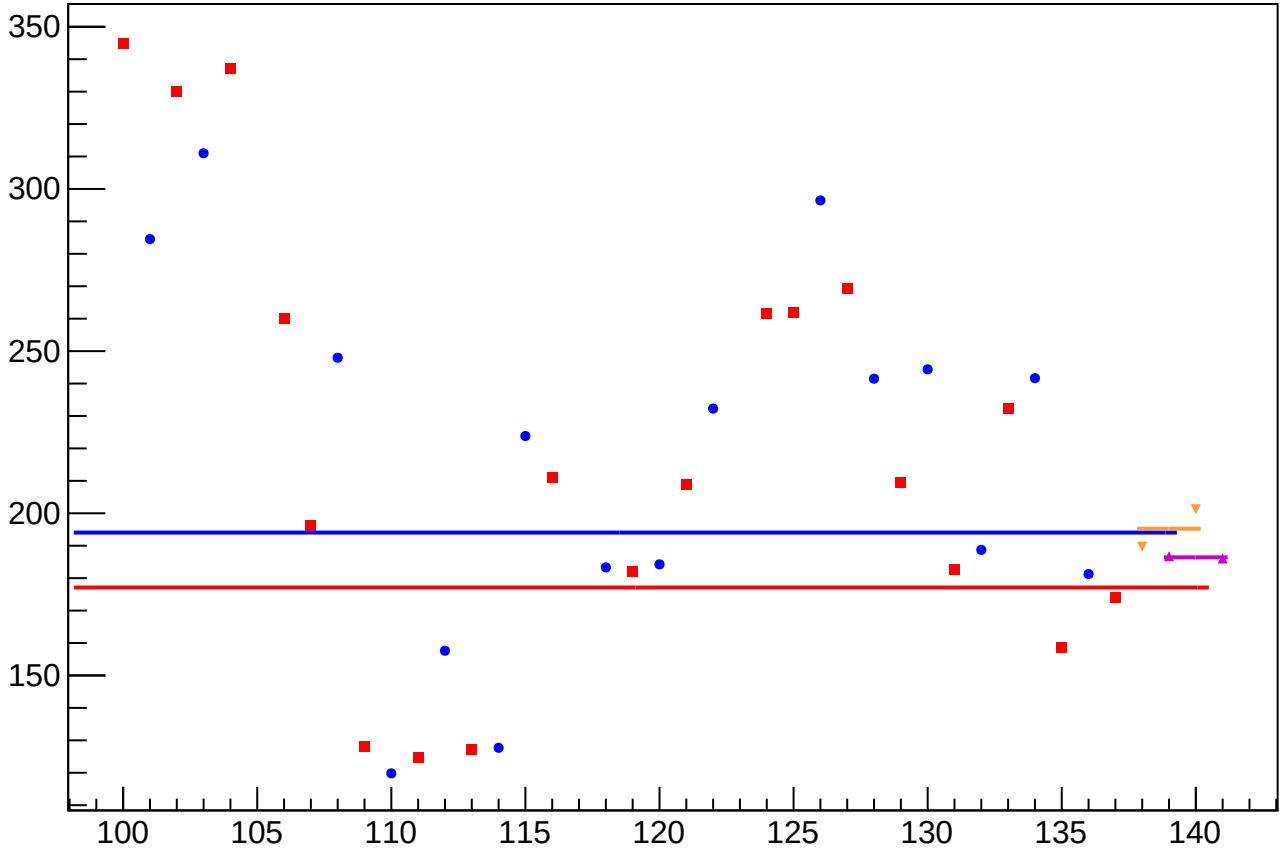
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -449.992+/-67.064 χ^2/NDF:5316.0/17

Out: -1967.417+/-63.195 χ^2/NDF:3429.8/20

All: -1253.737+/-45.993 χ^2/NDF: 9017.0/38

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 195.242+/-0.110 χ^2/NDF:2753.0/1

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 186.407+/-0.101 χ^2/NDF:11.7/1

Left: 190.442+/-0.074 χ^2/NDF: 6259.0/3

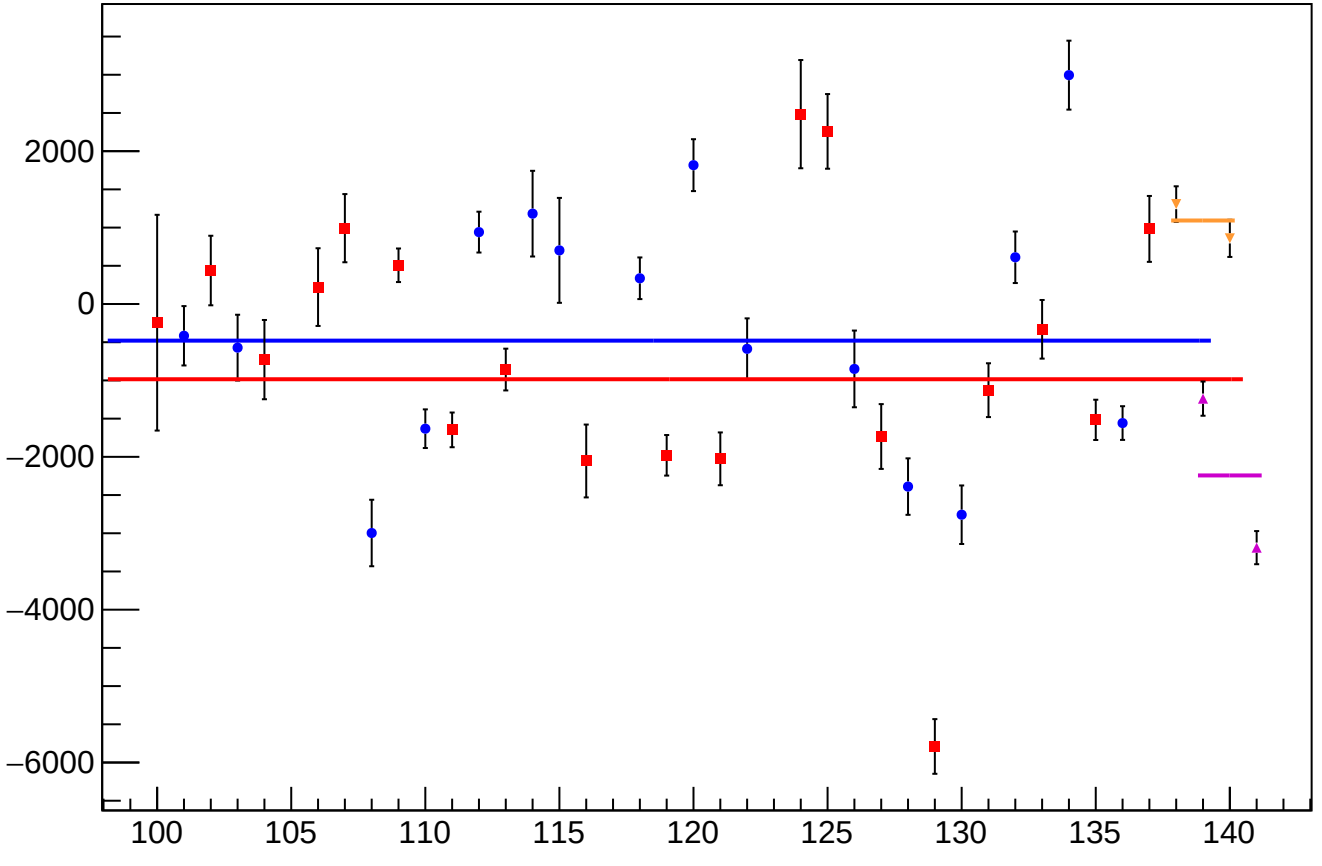
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 192.368+/-0.047 χ^2/NDF:970264.9/17

Out: 180.098+/-0.045 χ^2/NDF:1384719.6/20

All: 185.868+/-0.033 χ^2/NDF: 2390444.0/38

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1092.736+/-168.291 χ^2/NDF:1.8/1

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2243.328+/-155.681 χ^2/NDF:39.2/1

Left: -704.950+/-114.281 χ^2/NDF: 252.7/3

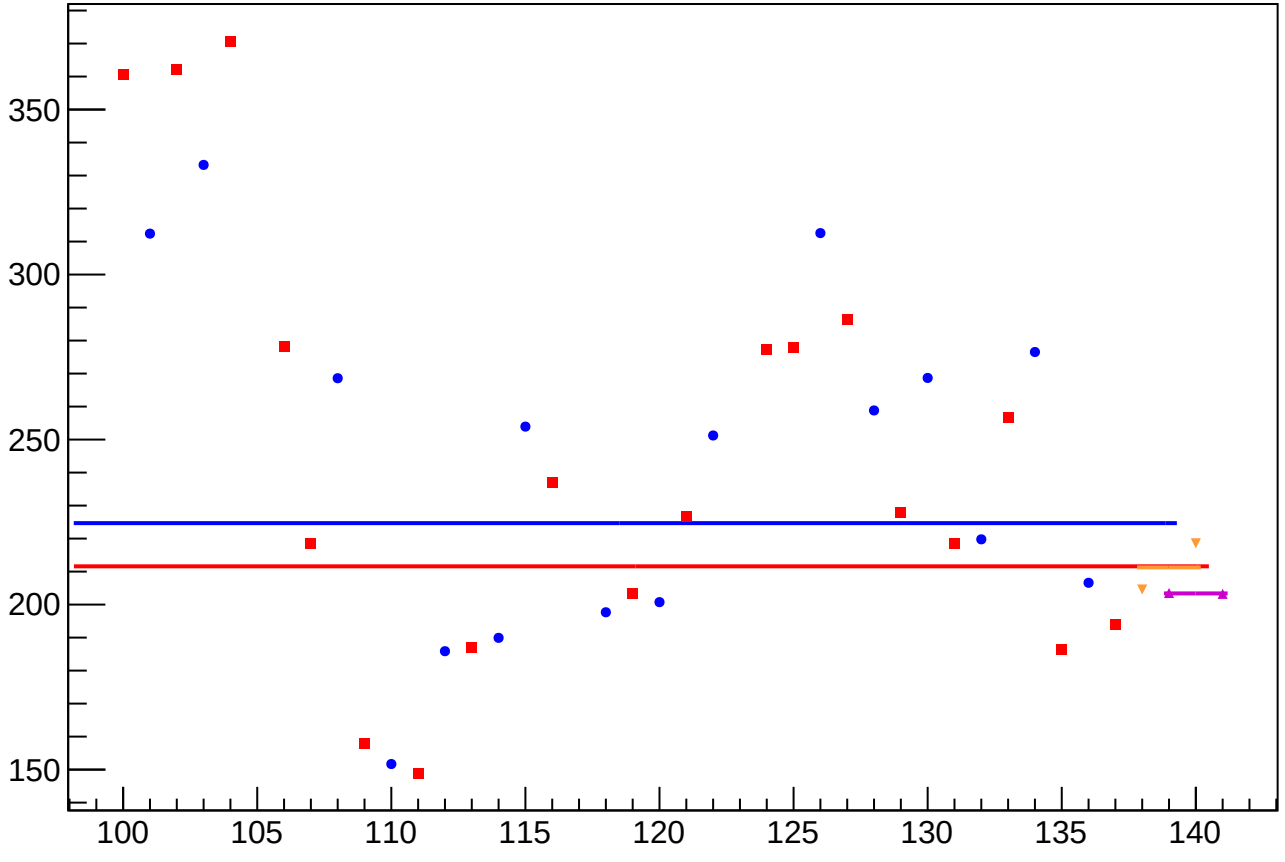
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -896.783+/-75.736 χ^2/NDF:442.6/17

Out: -594.226+/-72.946 χ^2/NDF:523.6/20

All: -739.830+/-52.539 χ^2/NDF: 974.5/38

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 211.264+/-0.119 χ^2/NDF:3450.7/1

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 203.386+/-0.110 χ^2/NDF:1.4/1

Left: 207.019+/-0.081 χ^2/NDF: 5814.2/3

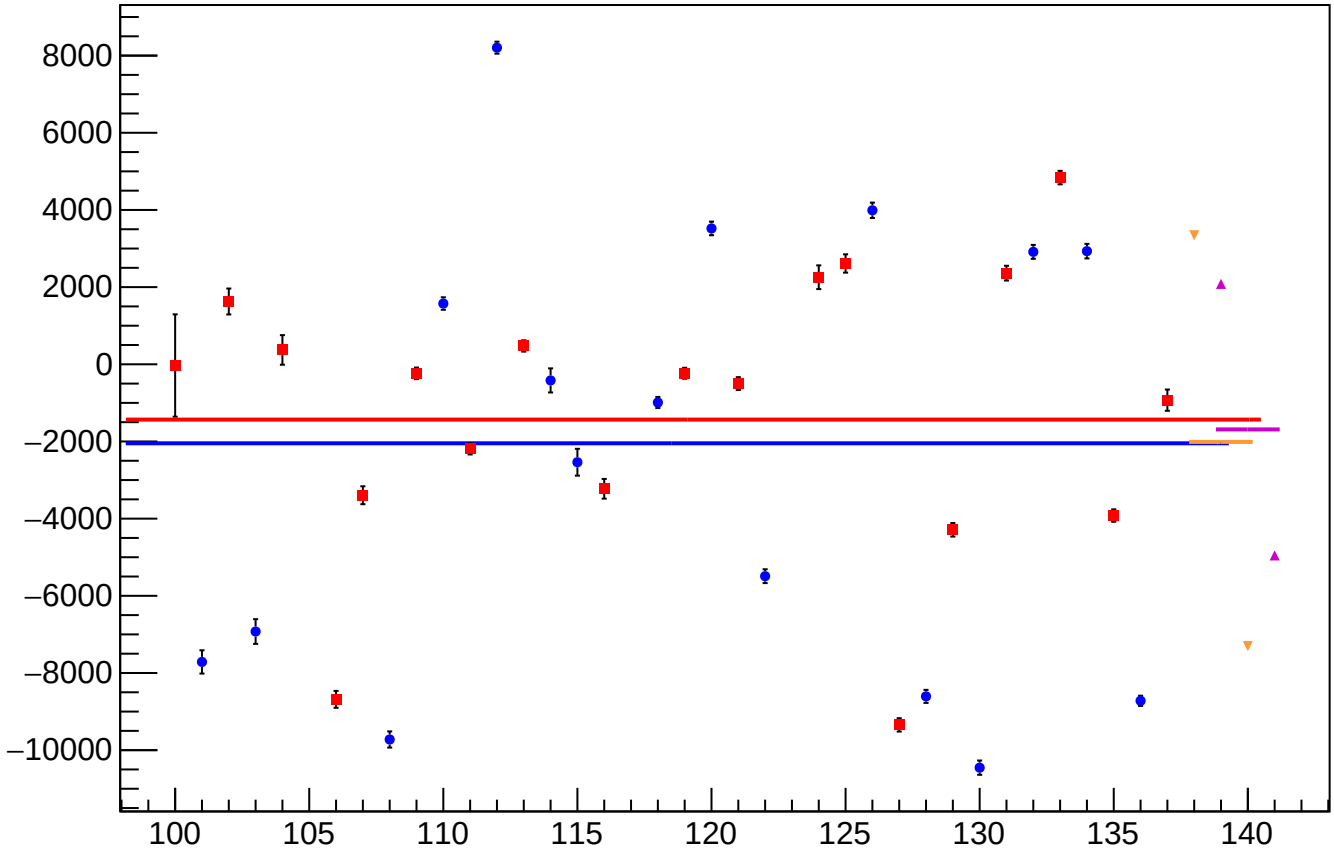
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.642+/-0.054 χ^2/NDF:681764.9/17

Out: 211.533+/-0.052 χ^2/NDF:936359.5/20

All: 215.436+/-0.037 χ^2/NDF: 1630020.1/38

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -2011.424+/-89.913 χ^2/NDF:3505.0/1

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -1687.601+/-86.208 χ^2/NDF:1657.2/1

Left: -1842.703+/-62.227 χ^2/NDF: 5168.9/3

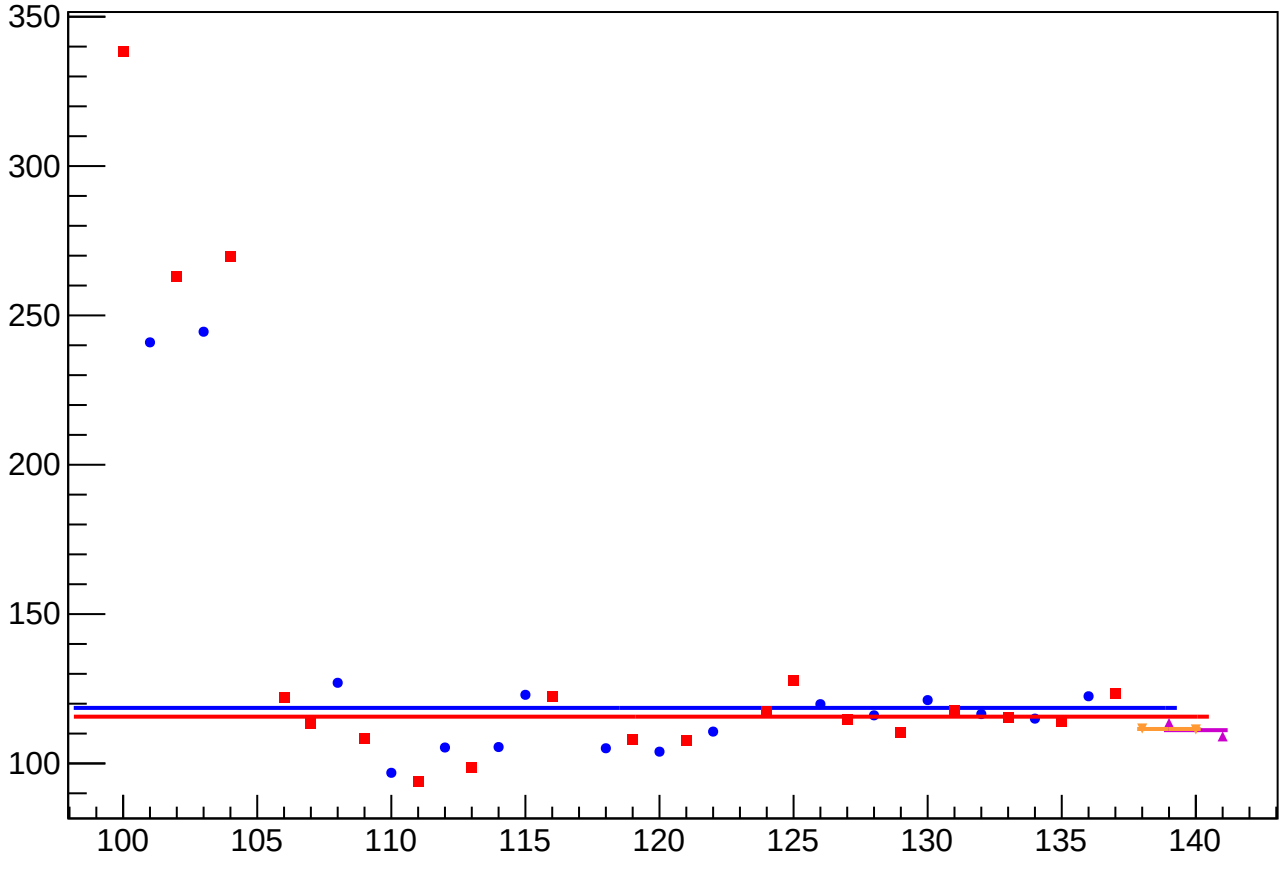
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -1965.608+/-41.077 χ^2/NDF:18379.8/17

Out: -1547.676+/-40.047 χ^2/NDF:9925.9/20

All: -1751.338+/-28.675 χ^2/NDF: 28358.8/38

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.537+/-0.064 χ^2/NDF:6.2/1

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 111.146+/-0.061 χ^2/NDF:1344.8/1

Left: 111.333+/-0.044 χ^2/NDF: 1370.7/3

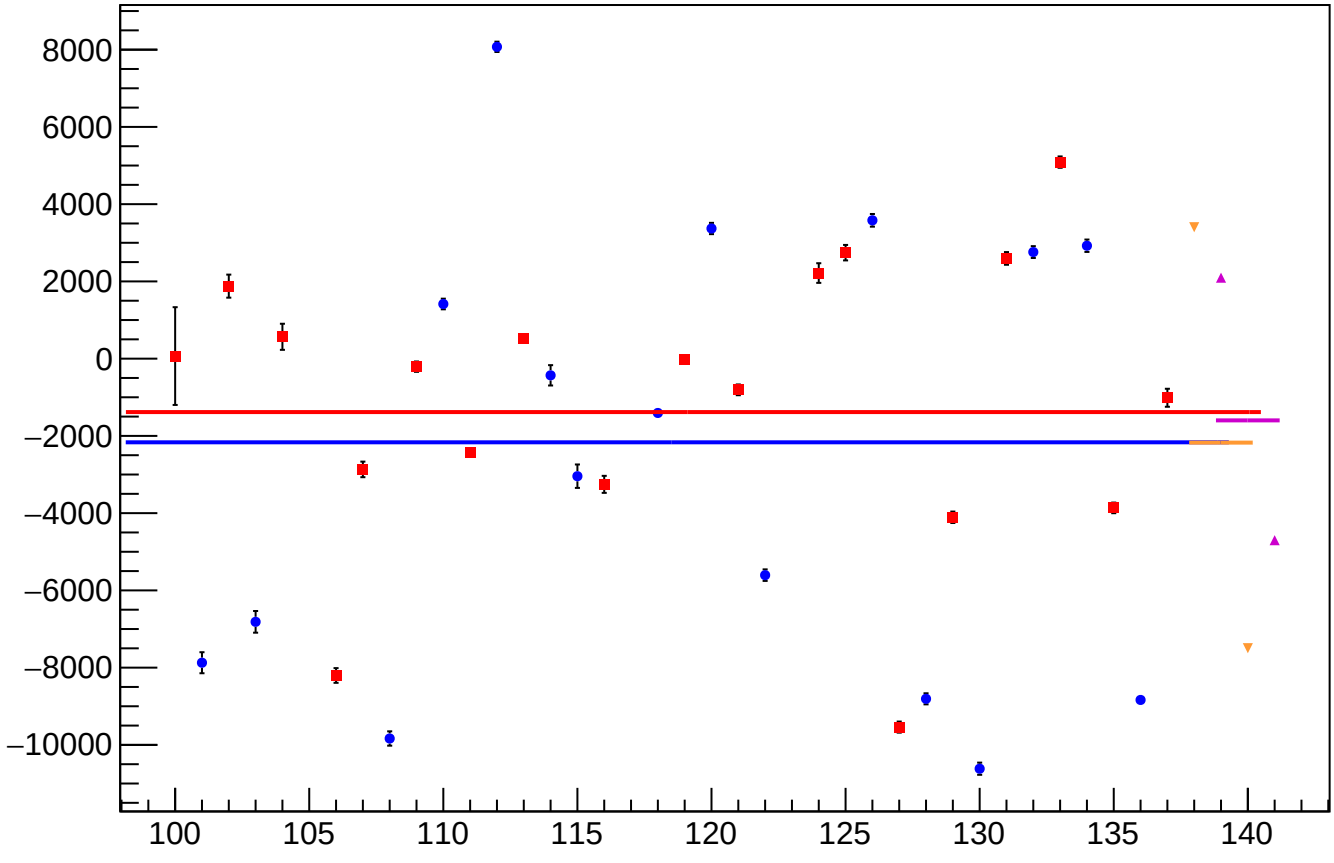
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.904+/-0.029 χ^2/NDF:747049.3/17

Out: 114.842+/-0.028 χ^2/NDF:867583.1/20

All: 115.847+/-0.020 χ^2/NDF: 1617217.7/38

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -2173.847+/-81.238 χ^2/NDF:4497.6/1

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -1598.164+/-78.658 χ^2/NDF:1852.5/1

Left: -1876.721+/-56.510 χ^2/NDF: 6376.0/3

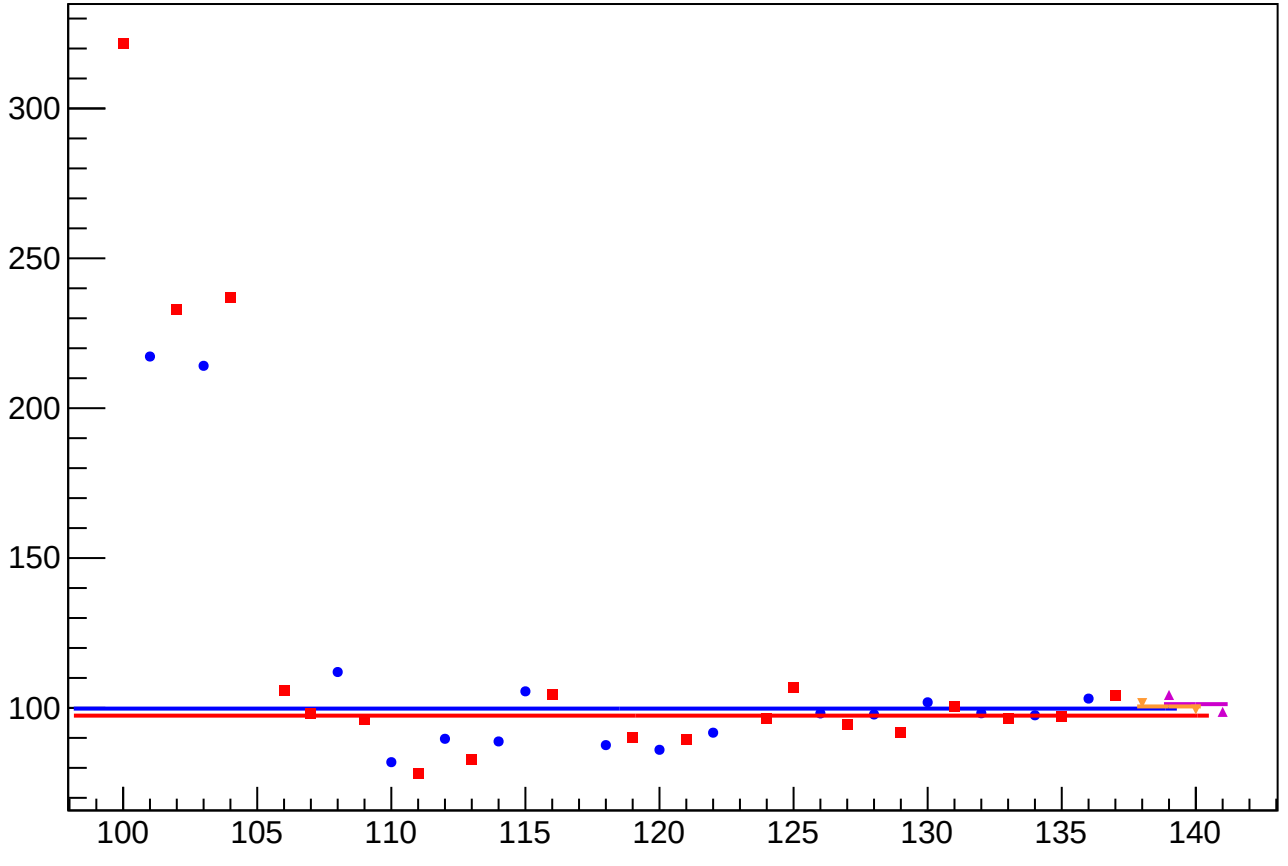
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -2050.935+/-35.393 χ^2/NDF:24768.9/17

Out: -1524.911+/-34.402 χ^2/NDF:13723.9/20

All: -1780.457+/-24.669 χ^2/NDF: 38606.4/38

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 100.490+/-0.057 χ^2/NDF:359.6/1

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 101.262+/-0.056 χ^2/NDF:2555.3/1

Left: 100.889+/-0.040 χ^2/NDF: 3008.0/3

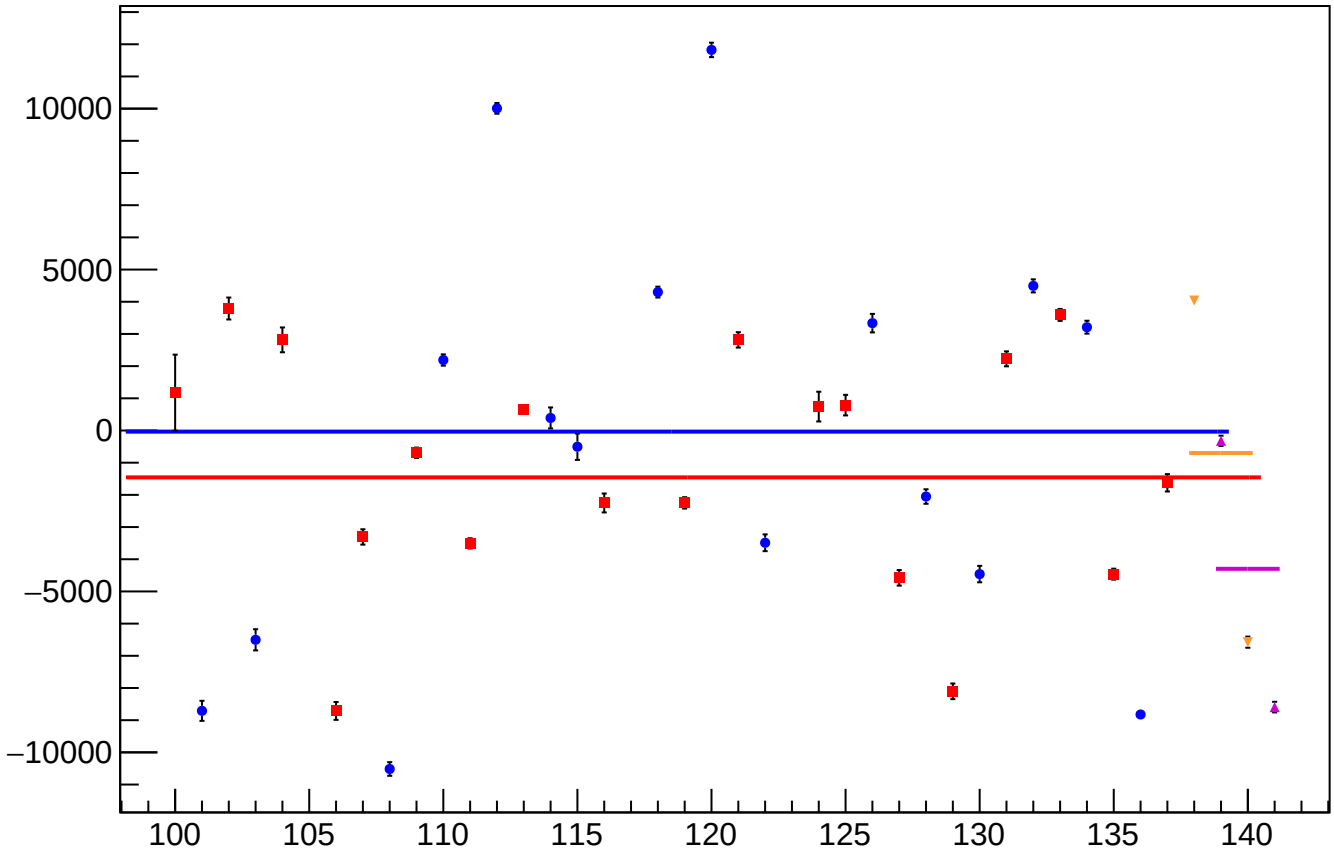
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 100.076+/-0.025 χ^2/NDF:812278.4/17

Out: 97.977+/-0.024 χ^2/NDF:928740.7/20

All: 98.996+/-0.017 χ^2/NDF: 1744635.6/38

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -699.300+/-115.427 χ^2/NDF:2089.2/1

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -4297.752+/-114.633 χ^2/NDF:1300.5/1

Left: -2510.950+/-81.337 χ^2/NDF: 3879.0/3

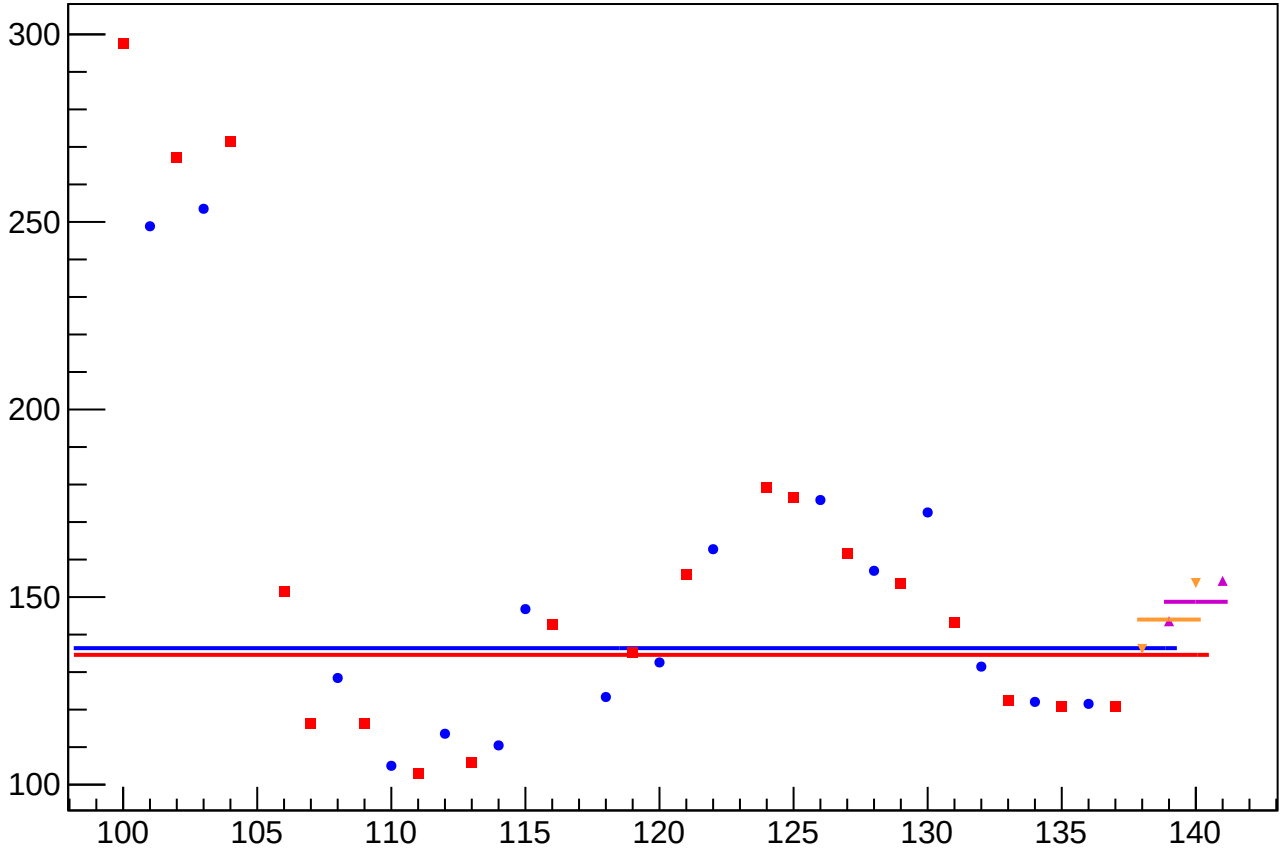
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -796.340+/-48.454 χ^2/NDF:19239.2/17

Out: -1329.111+/-47.370 χ^2/NDF:6242.0/20

All: -1068.753+/-33.872 χ^2/NDF: 25543.0/38

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 144.008+/-0.082 χ^2/NDF:11449.5/1

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 148.740+/-0.081 χ^2/NDF:4398.4/1

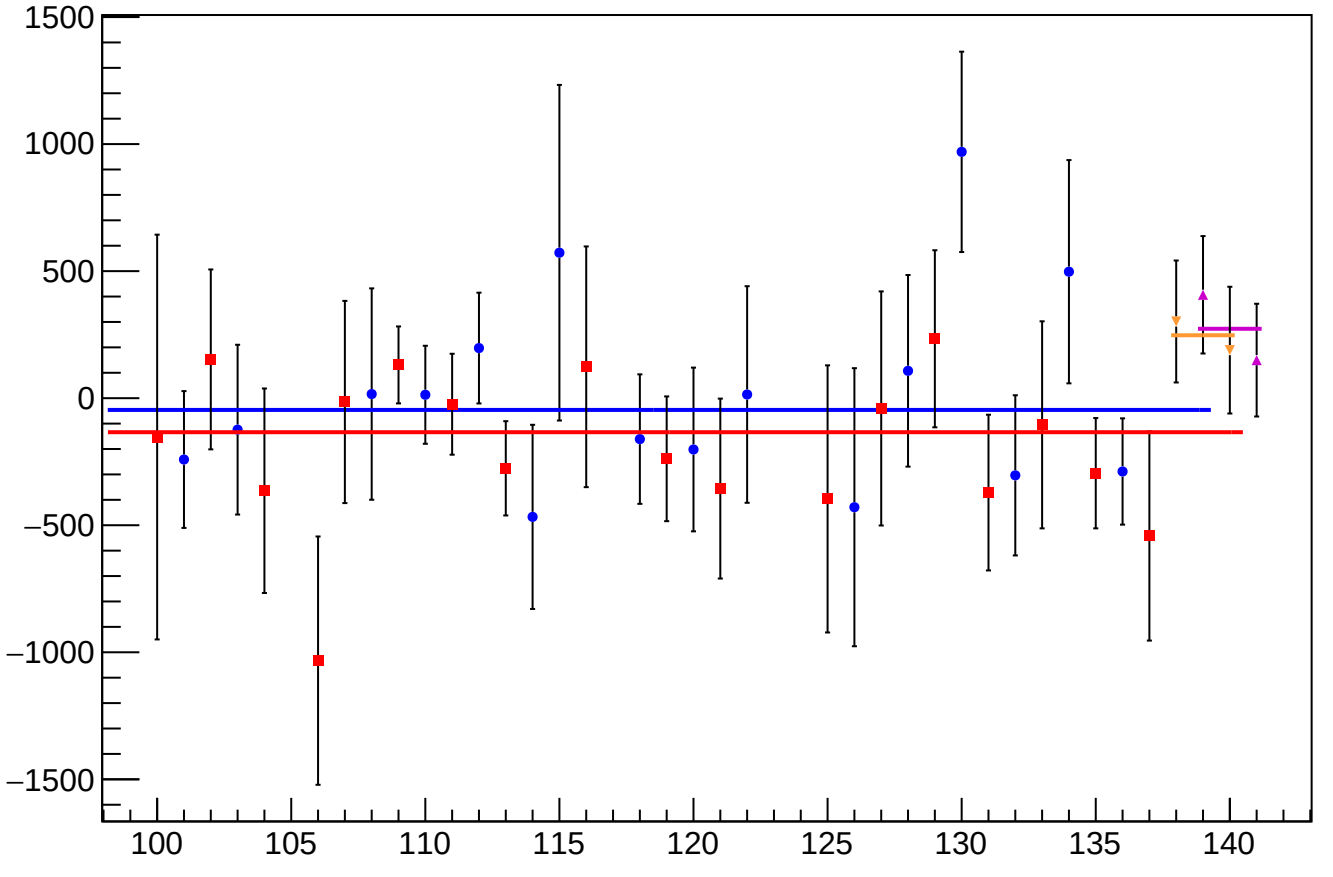
Left: 146.390+/-0.058 χ^2/NDF: 17539.7/3

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 138.591+/-0.034 χ^2/NDF:820340.3/17

Out: 136.183+/-0.033 χ^2/NDF:942107.9/20

All: 137.360+/-0.024 χ^2/NDF: 1764973.5/38



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 247.638+/-172.920 χ^2/NDF:0.1/1

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 273.160+/-160.024 χ^2/NDF:0.6/1

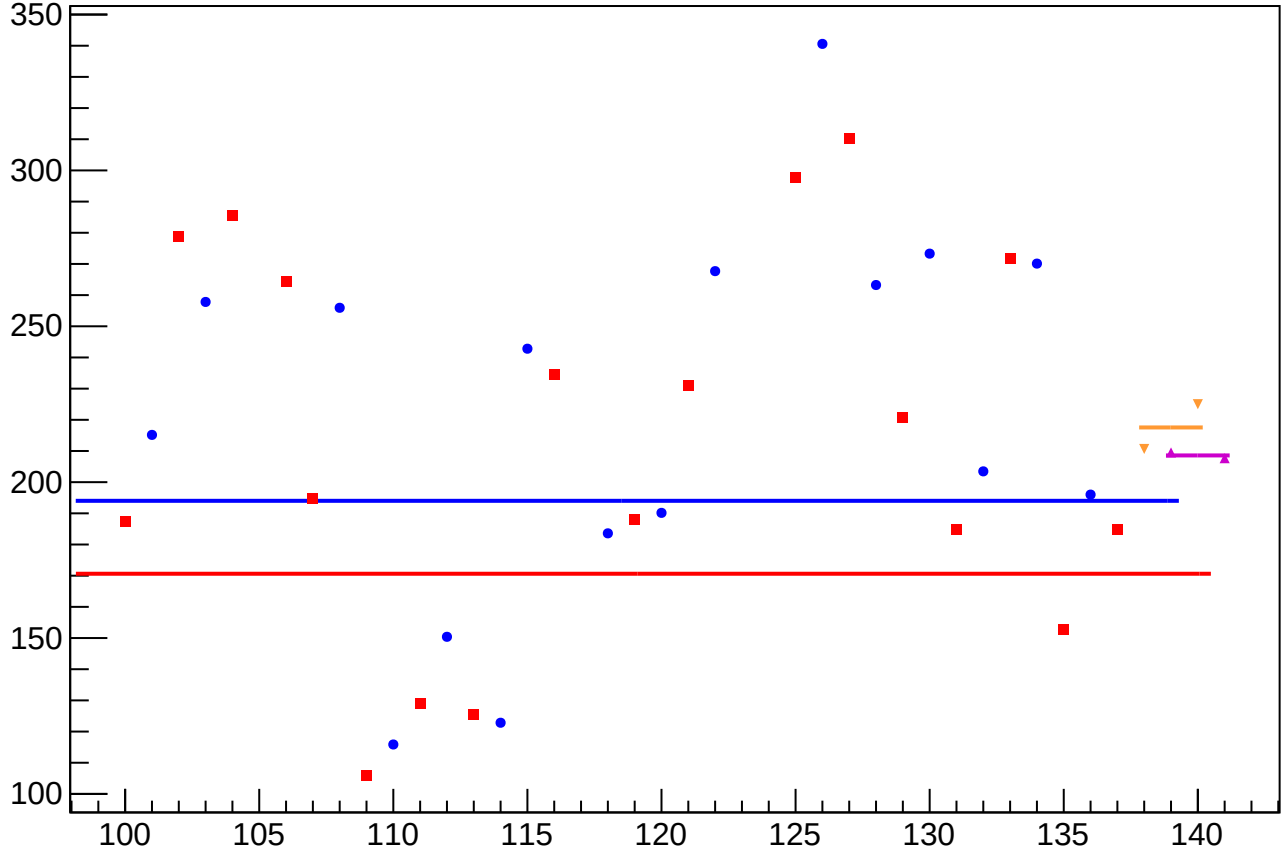
Left: 261.386+/-117.449 χ^2/NDF: 0.8/3

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 12.935+/-68.859 χ^2/NDF:19.4/17

Out: -82.272+/-63.616 χ^2/NDF:17.1/19

All: -38.431+/-46.727 χ^2/NDF: 37.5/37



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 217.551+/-0.122 χ^2/NDF:3442.2/1

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 208.576+/-0.113 χ^2/NDF:66.3/1

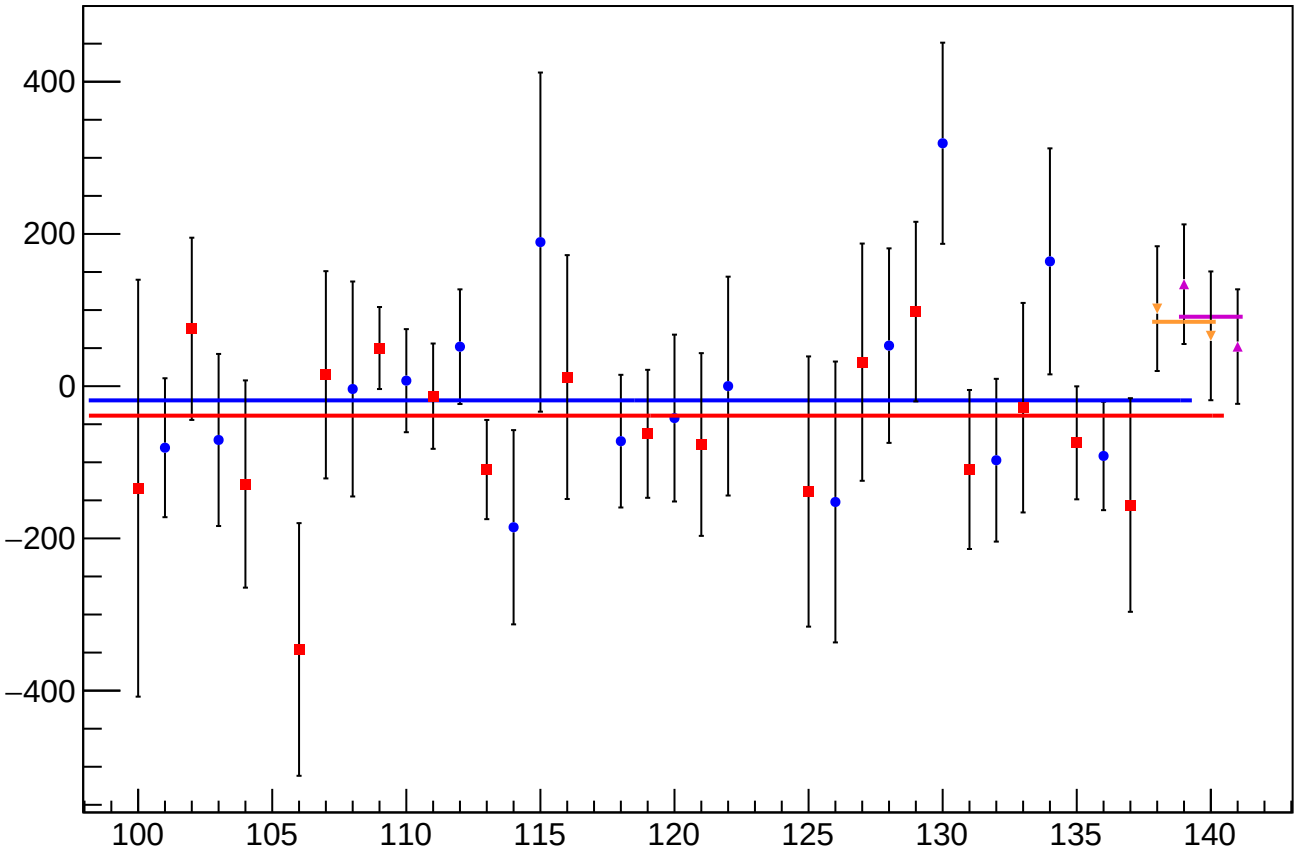
Left: 212.716+/-0.083 χ^2/NDF: 6410.9/3

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 196.713+/-0.049 χ^2/NDF:1057144.2/17

Out: 176.975+/-0.045 χ^2/NDF:1724538.7/19

All: 186.064+/-0.033 χ^2/NDF: 2870338.7/37



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 84.590+/-58.863 χ^2/NDF:0.1/1

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 91.233+/-54.348 χ^2/NDF:0.6/1

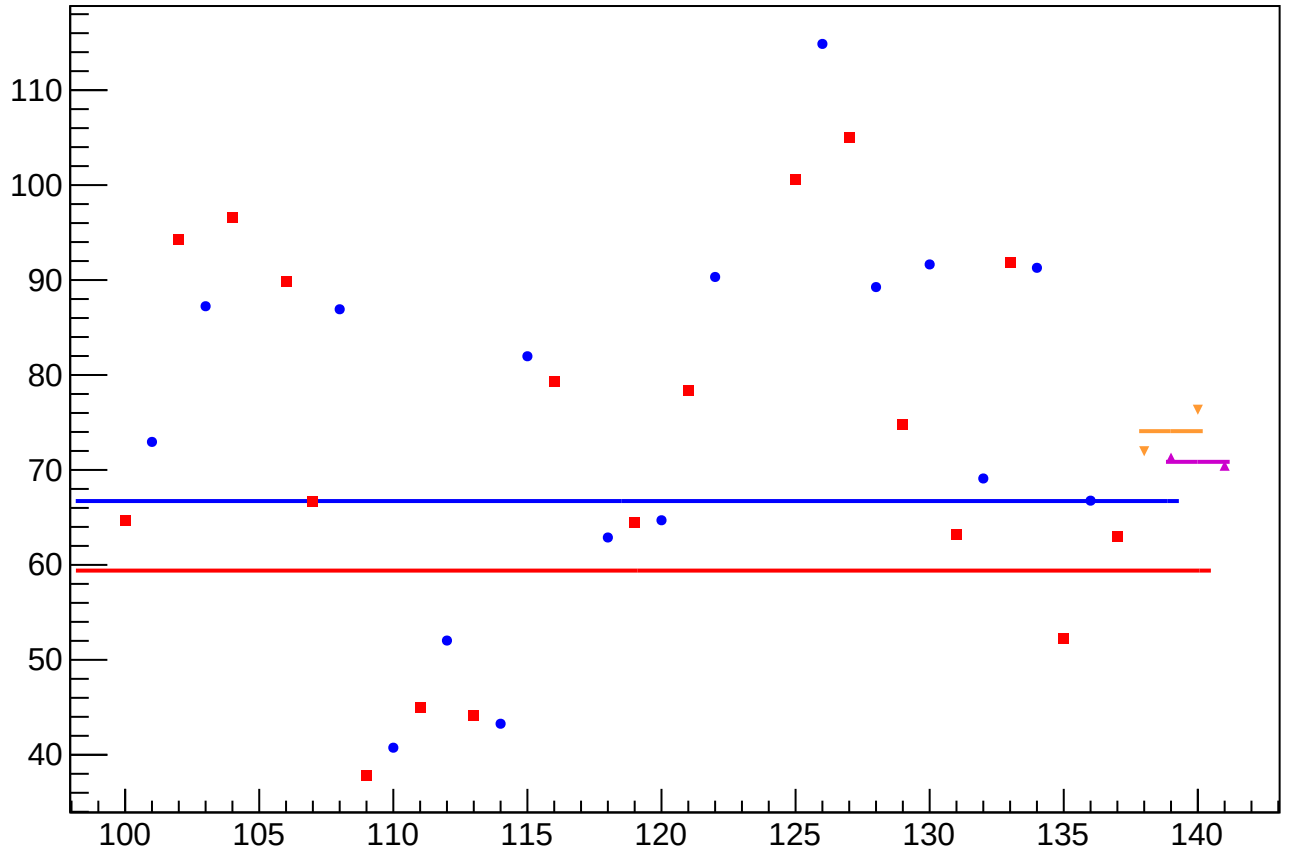
Left: 88.176+/-39.931 χ^2/NDF: 0.7/3

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 1.976+/-23.544 χ^2/NDF:19.1/17

Out: -21.575+/-21.946 χ^2/NDF:16.5/19

All: -10.626+/-16.054 χ^2/NDF: 36.1/37



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 74.086+/-0.042 χ^2/NDF:2756.4/1

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 70.854+/-0.038 χ^2/NDF:123.0/1

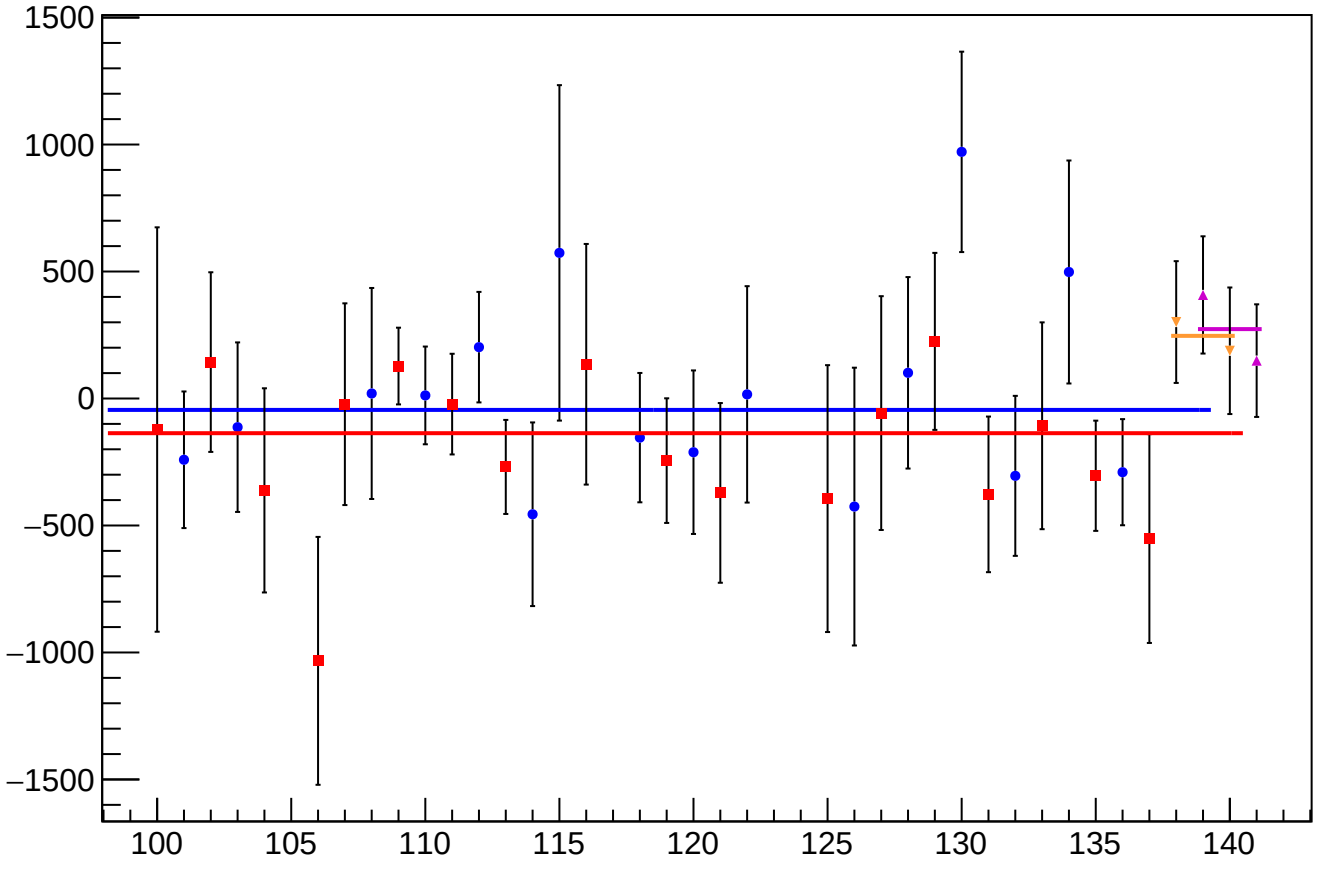
Left: 72.341+/-0.028 χ^2/NDF: 6134.3/3

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 67.499+/-0.017 χ^2/NDF:956542.1/17

Out: 61.442+/-0.016 χ^2/NDF:1555304.5/19

All: 64.258+/-0.011 χ^2/NDF: 2582682.0/37



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 246.668+/-172.758 χ^2/NDF:0.1/1

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 273.267+/-159.901 χ^2/NDF:0.7/1

Left: 260.994+/-117.349 χ^2/NDF: 0.8/3

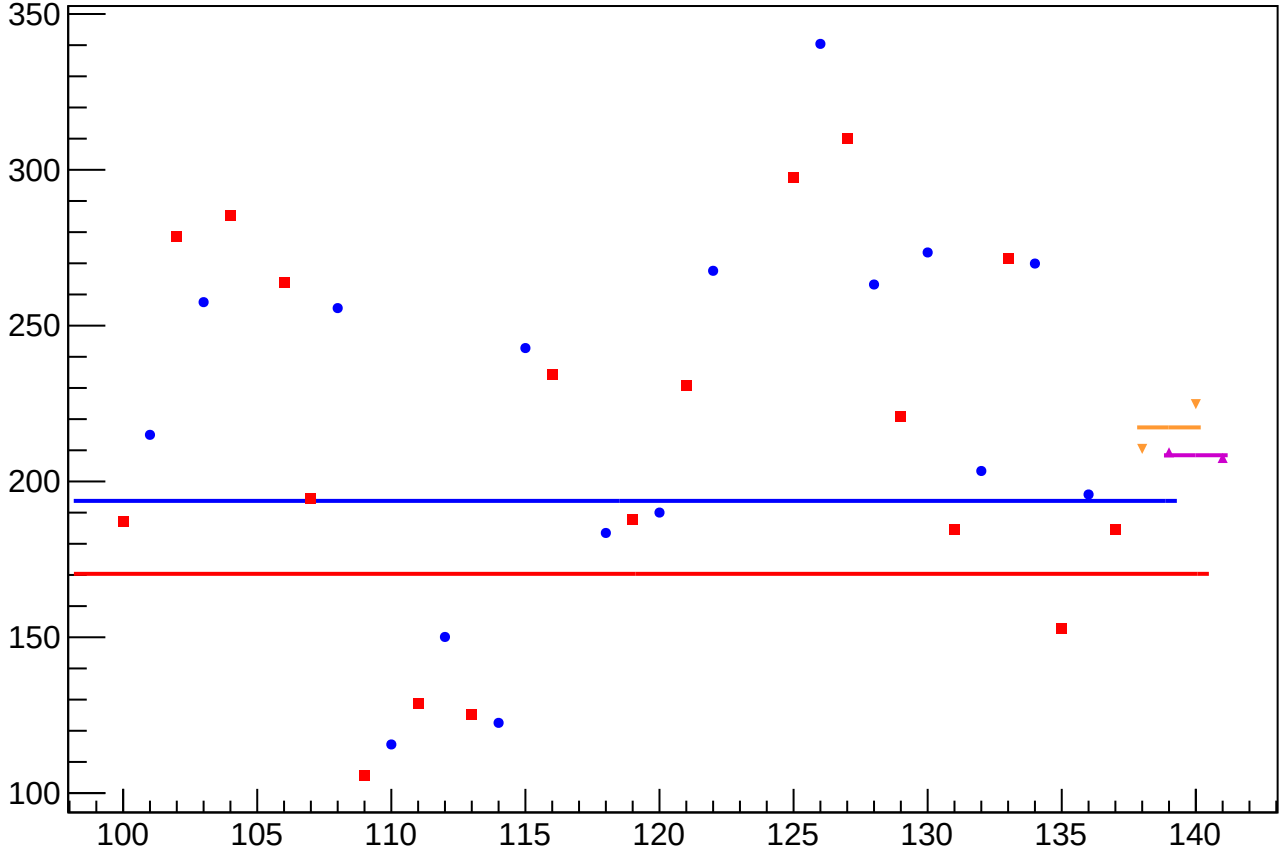
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 13.966+/-68.787 χ^2/NDF:19.3/17

Out: -84.745+/-63.534 χ^2/NDF:17.2/19

All: -39.301+/-46.672 χ^2/NDF: 37.7/37

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 217.347+/-0.122 χ^2/NDF:3450.2/1

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 208.414+/-0.113 χ^2/NDF:64.8/1

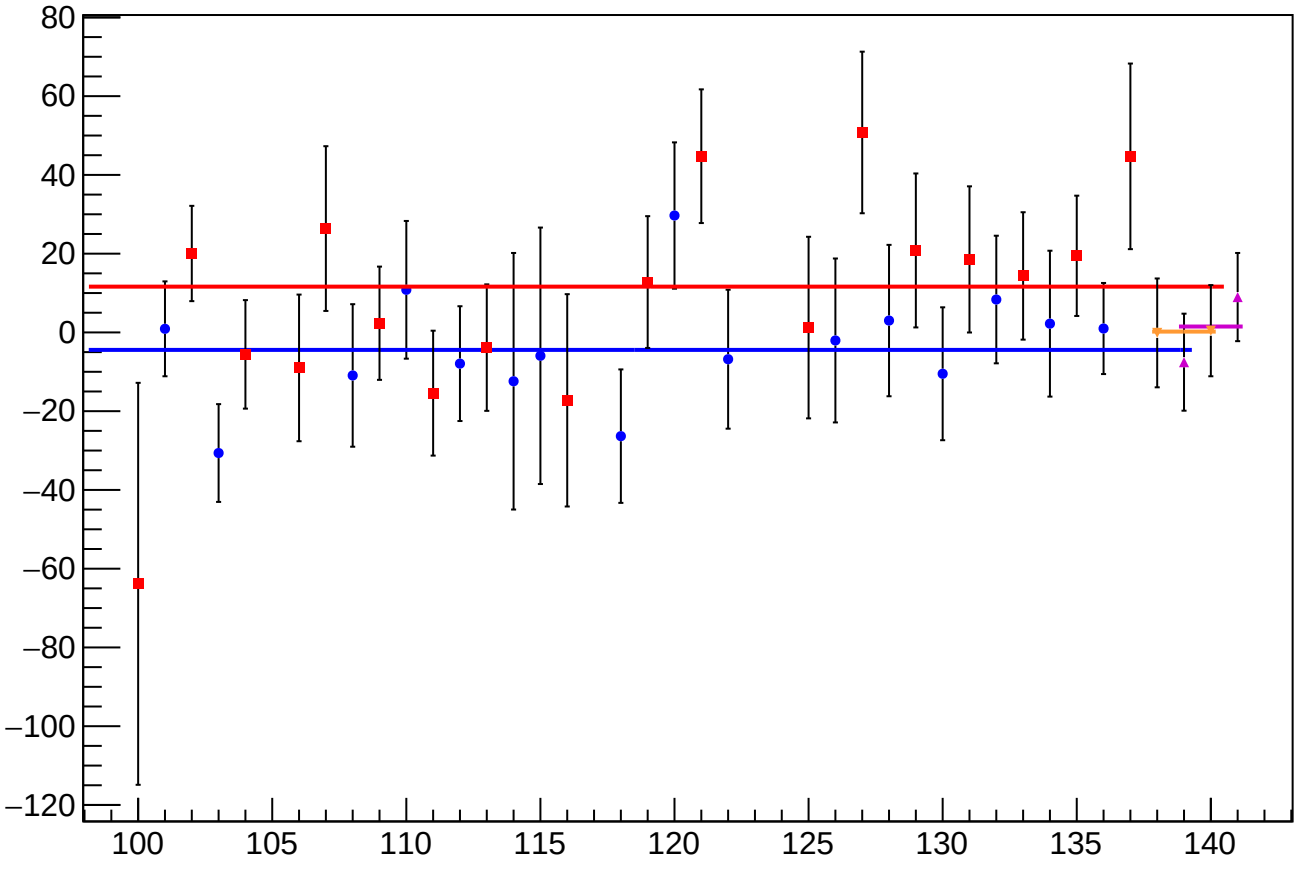
Left: 212.536+/-0.083 χ^2/NDF: 6395.0/3

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 196.478+/-0.049 χ^2/NDF:1061834.7/17

Out: 176.713+/-0.045 χ^2/NDF:1730426.7/19

All: 185.812+/-0.033 χ^2/NDF: 2881370.1/37



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.210+/-8.875 χ^2/NDF:0.0/1

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: 1.496+/-8.286 χ^2/NDF:1.0/1

Left: 0.897+/-6.057 χ^2/NDF: 1.0/3

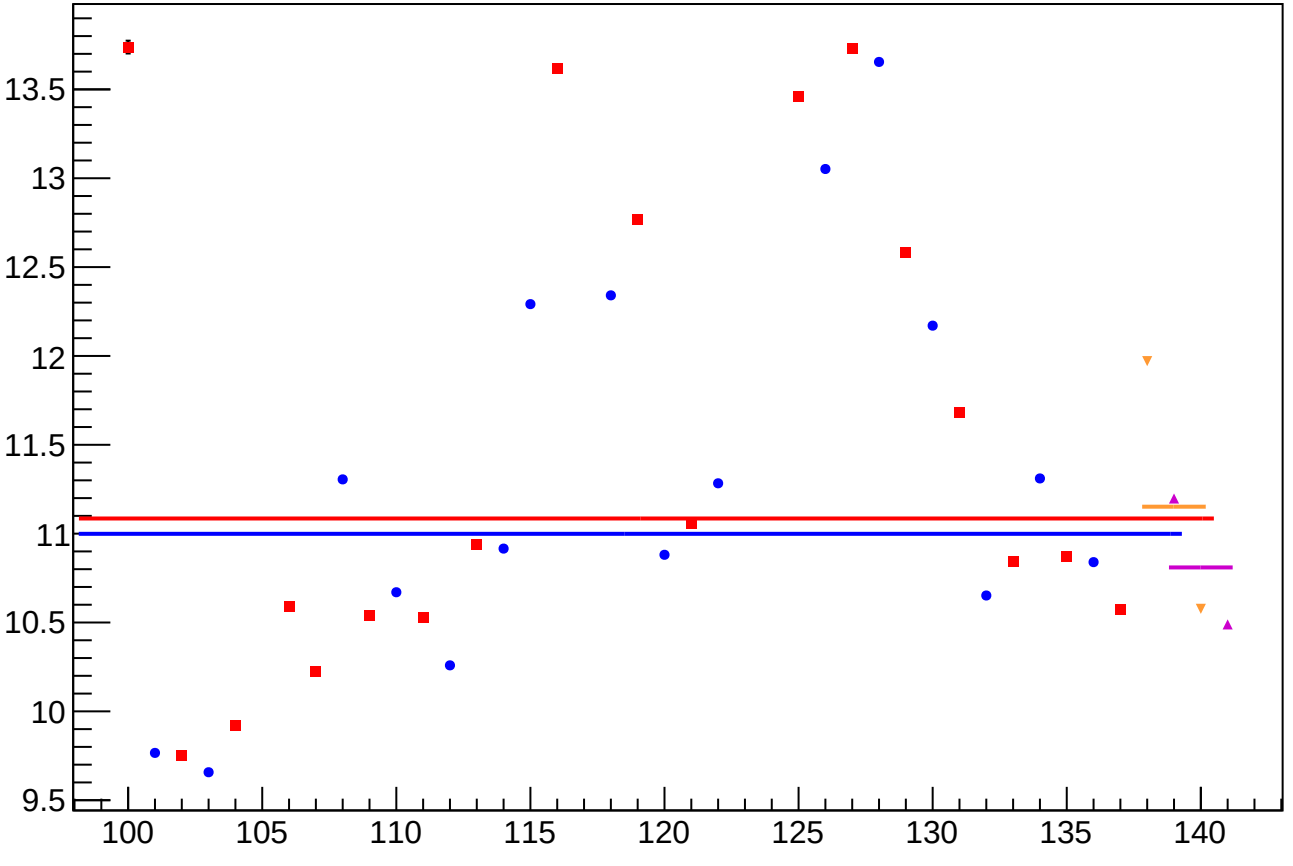
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -3.258+/-3.697 χ^2/NDF:13.4/17

Out: 9.589+/-3.749 χ^2/NDF:23.0/19

All: 3.075+/-2.632 χ^2/NDF: 42.3/37

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.152+/-0.006 χ^2/NDF:11952.4/1

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 10.810+/-0.006 χ^2/NDF:3622.0/1

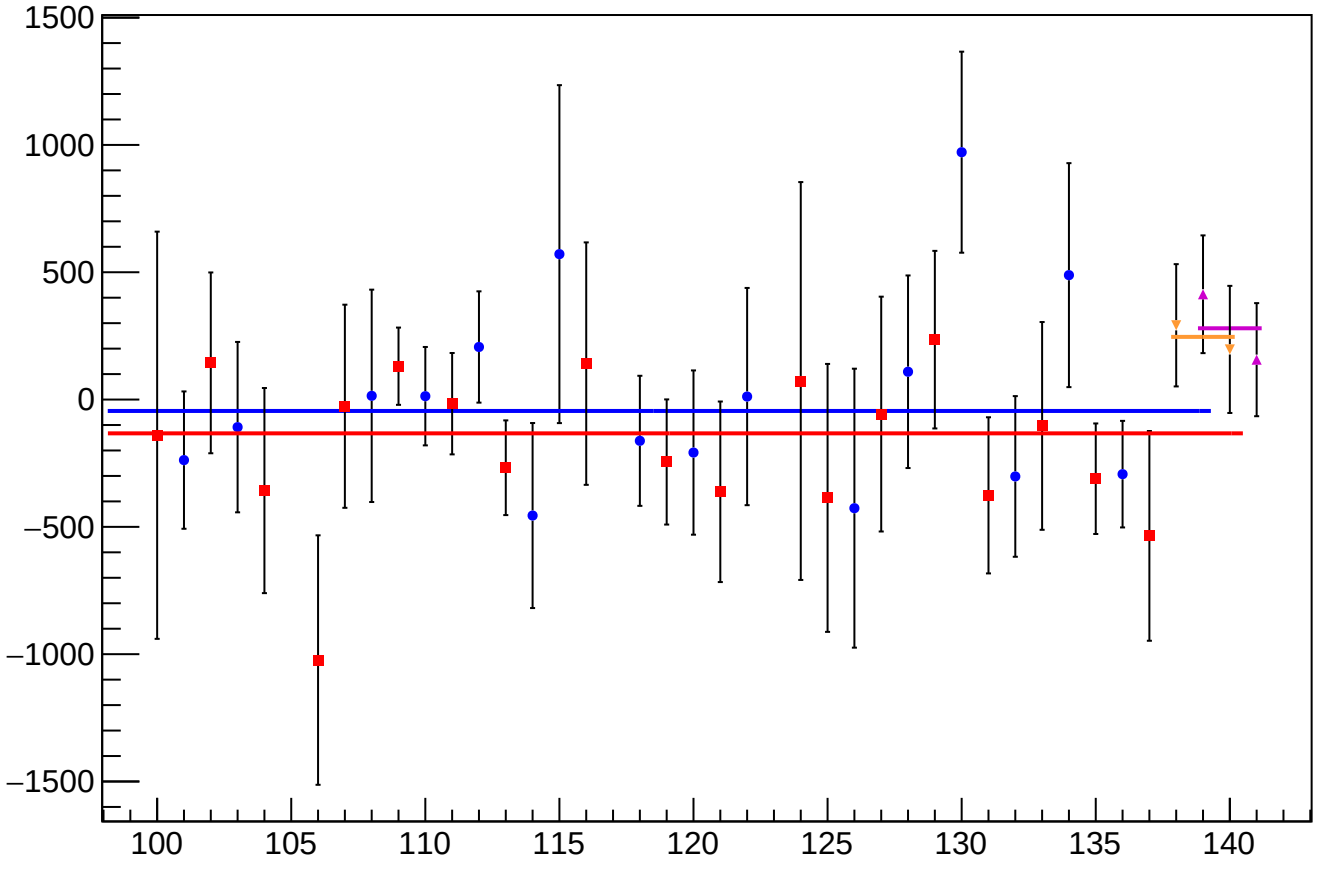
Left: 10.969+/-0.004 χ^2/NDF: 17159.7/3

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 10.961+/-0.003 χ^2/NDF:140615.9/17

Out: 11.097+/-0.003 χ^2/NDF:174248.7/19

All: 11.028+/-0.002 χ^2/NDF: 316194.4/37



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 246.118+/-173.048 χ^2/NDF:0.1/1

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 279.905+/-160.159 χ^2/NDF:0.6/1

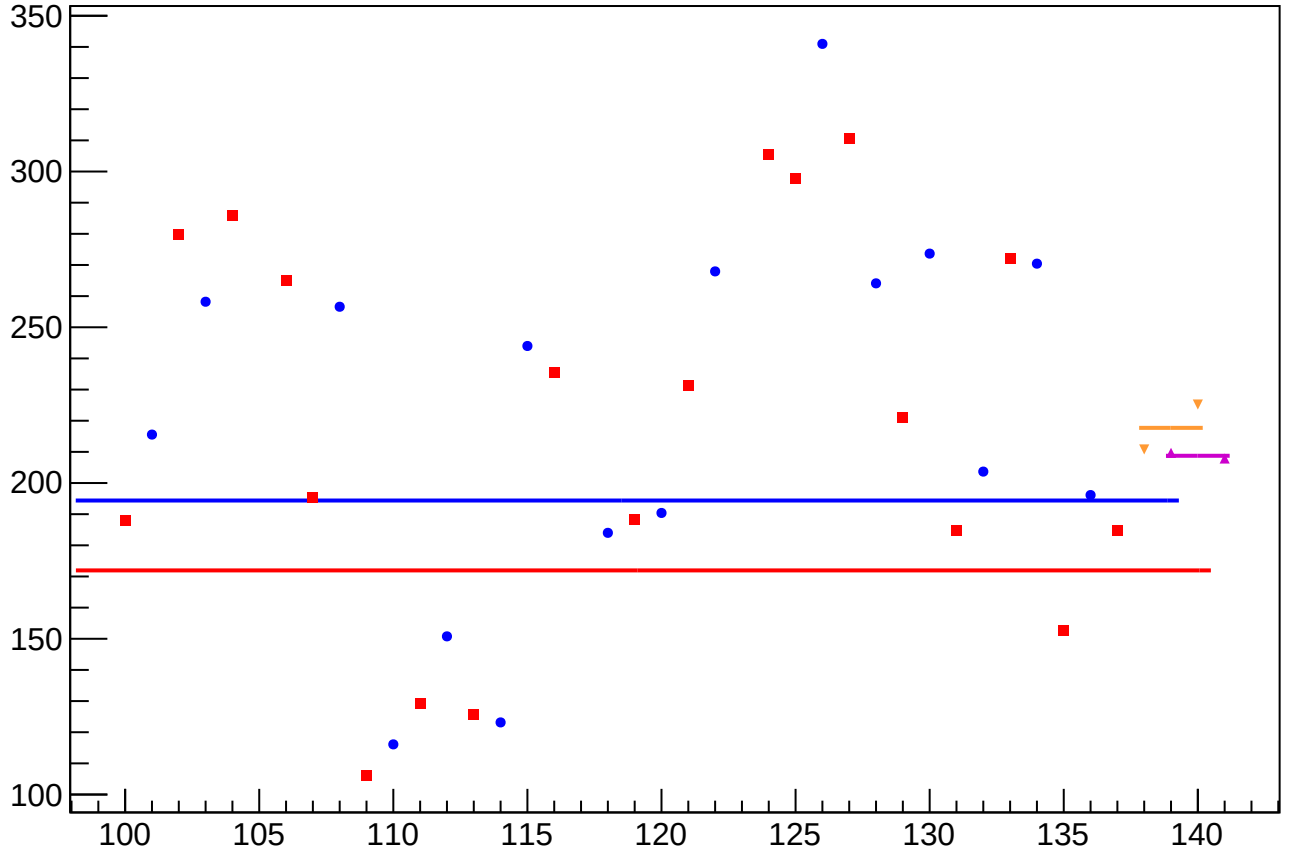
Left: 264.316+/-117.542 χ^2/NDF: 0.7/3

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 15.424+/-68.973 χ^2/NDF:19.4/17

Out: -81.707+/-63.506 χ^2/NDF:17.1/20

All: -37.143+/-46.719 χ^2/NDF: 37.6/38



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 217.710+/-0.122 χ^2/NDF:3465.9/1

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 208.750+/-0.113 χ^2/NDF:65.1/1

Left: 212.884+/-0.083 χ^2/NDF: 6419.4/3

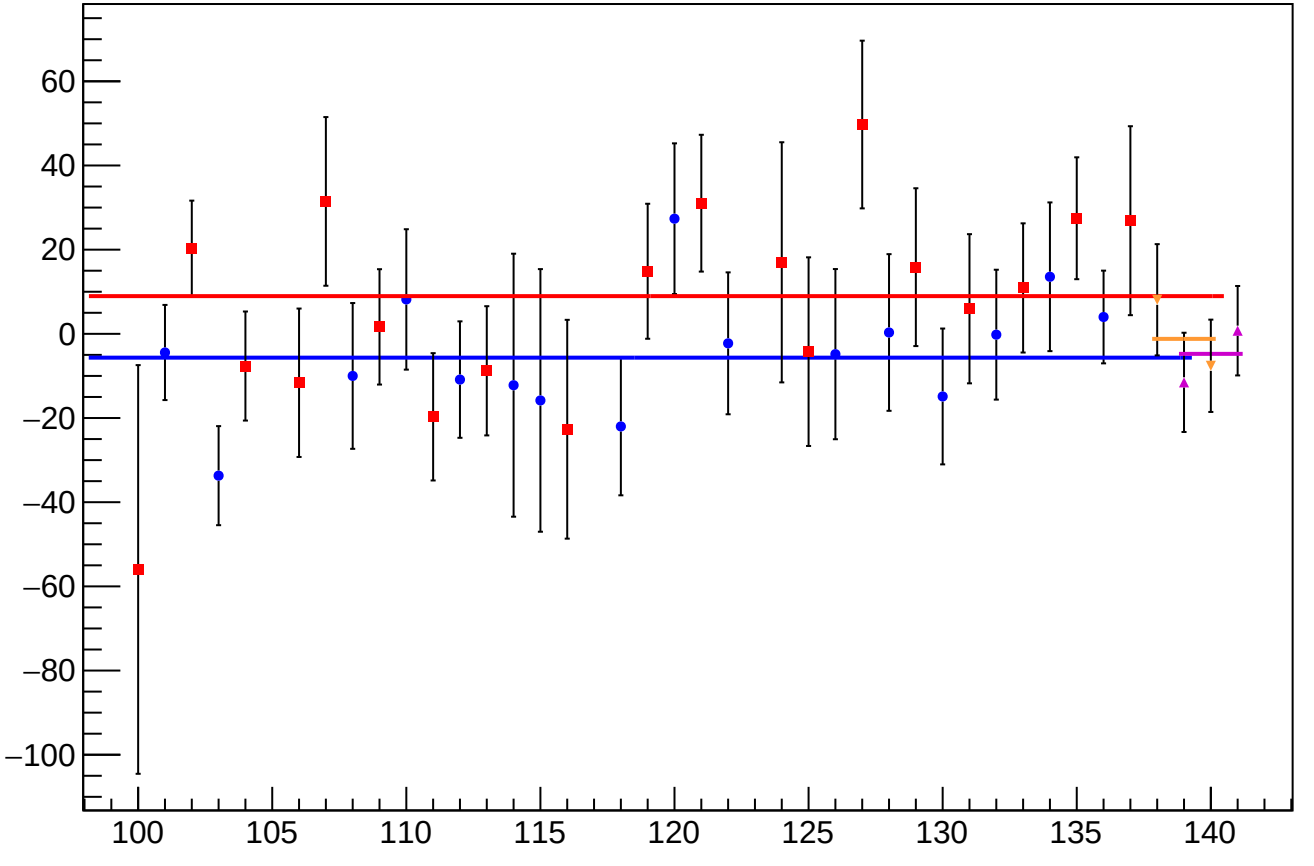
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 197.049+/-0.049 χ^2/NDF:1055194.0/17

Out: 178.112+/-0.045 χ^2/NDF:1775834.6/20

All: 186.800+/-0.033 χ^2/NDF: 2912622.8/38

asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.195+/-8.439 χ^2/NDF:0.8/1

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -4.757+/-7.892 χ^2/NDF:0.6/1

Left: -3.095+/-5.764 χ^2/NDF: 1.5/3

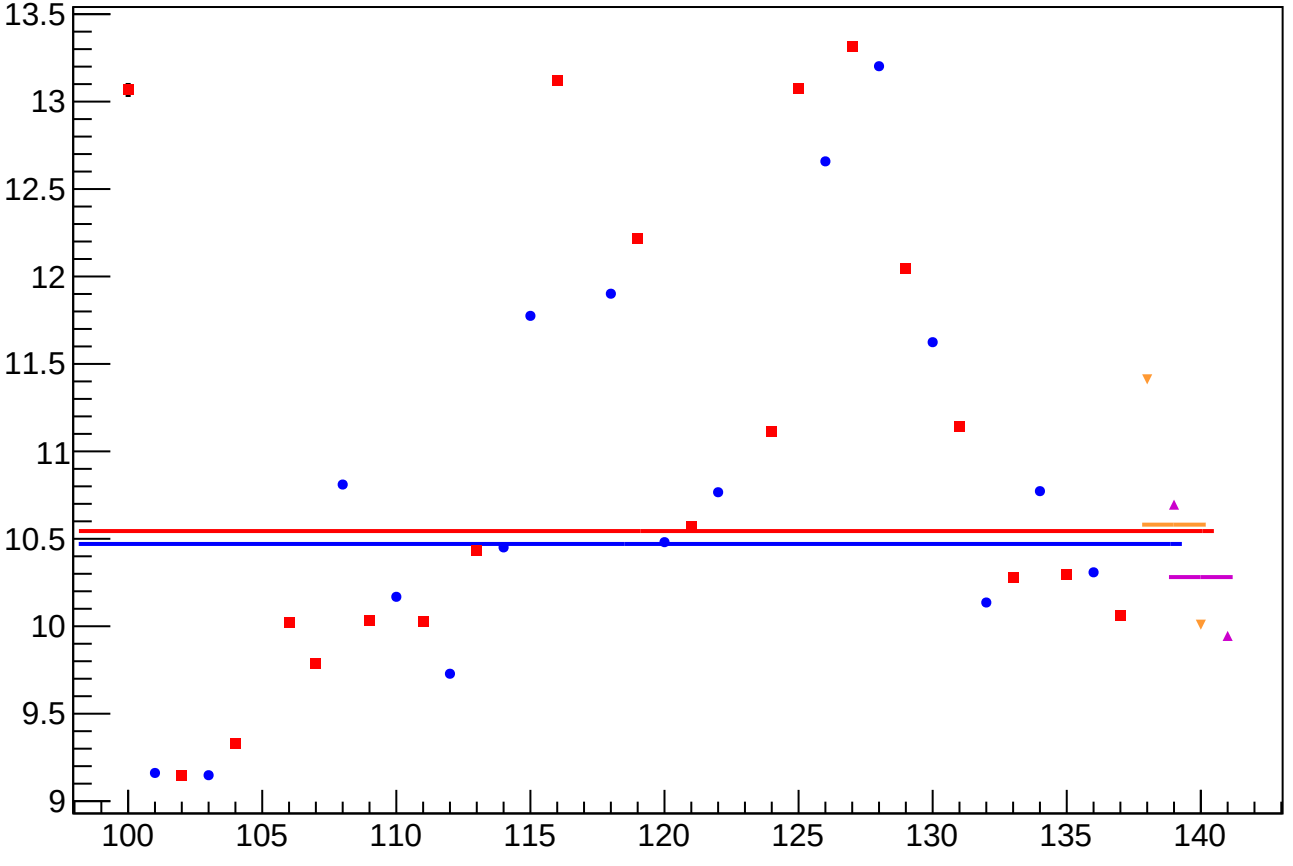
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -5.478+/-3.525 χ^2/NDF:14.3/17

Out: 7.172+/-3.541 χ^2/NDF:24.8/20

All: 0.818+/-2.498 χ^2/NDF: 45.5/38

asym_bcm_an_us_an_ds3_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.581+/-0.006 χ^2/NDF:13347.0/1

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.281+/-0.006 χ^2/NDF:4473.6/1

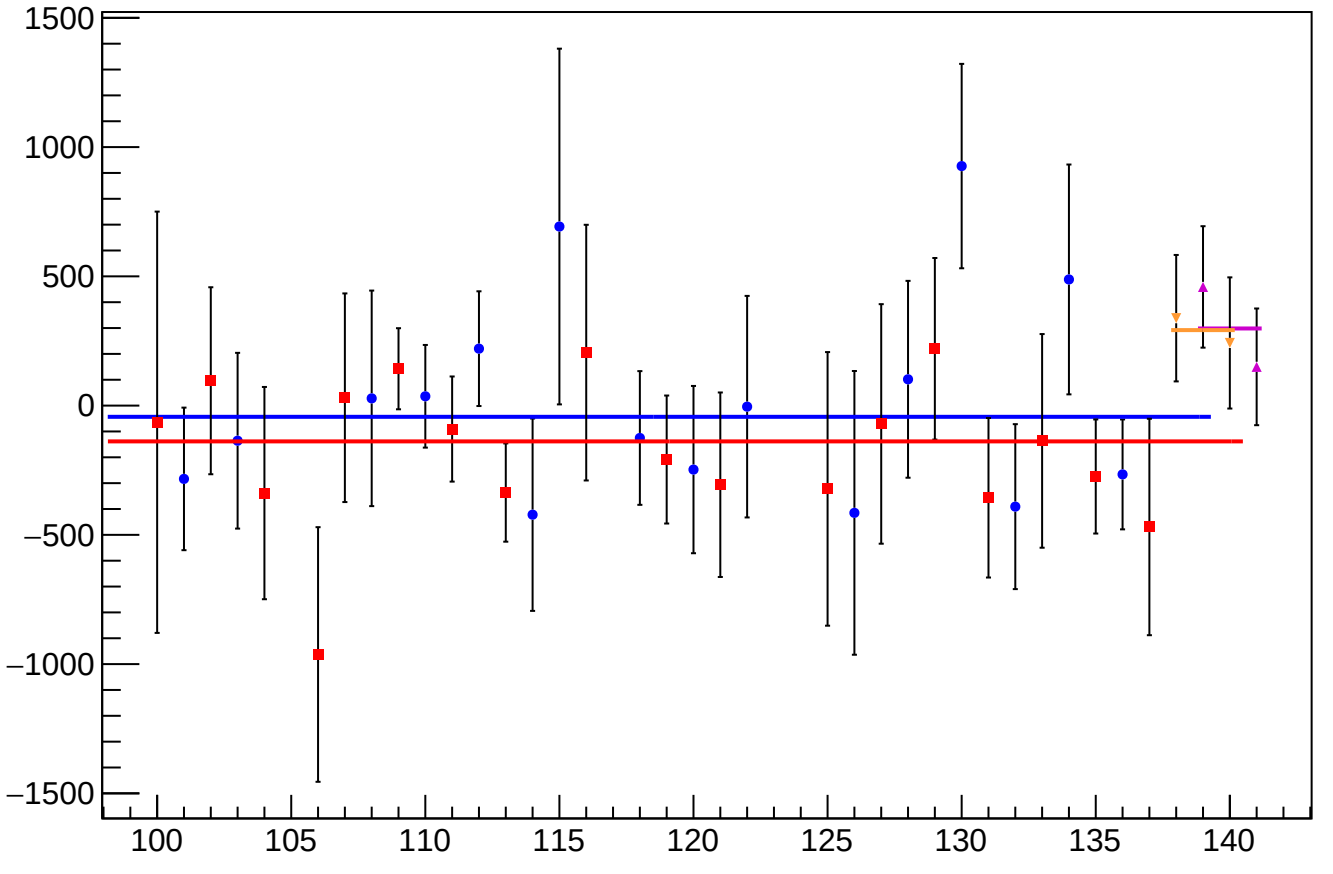
Left: 10.421+/-0.004 χ^2/NDF: 19167.0/3

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.433+/-0.002 χ^2/NDF:162761.3/17

Out: 10.551+/-0.003 χ^2/NDF:200158.4/20

All: 10.492+/-0.002 χ^2/NDF: 364035.0/38



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 292.026+/-176.090 χ^2/NDF:0.1/1

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 298.354+/-162.753 χ^2/NDF:0.9/1

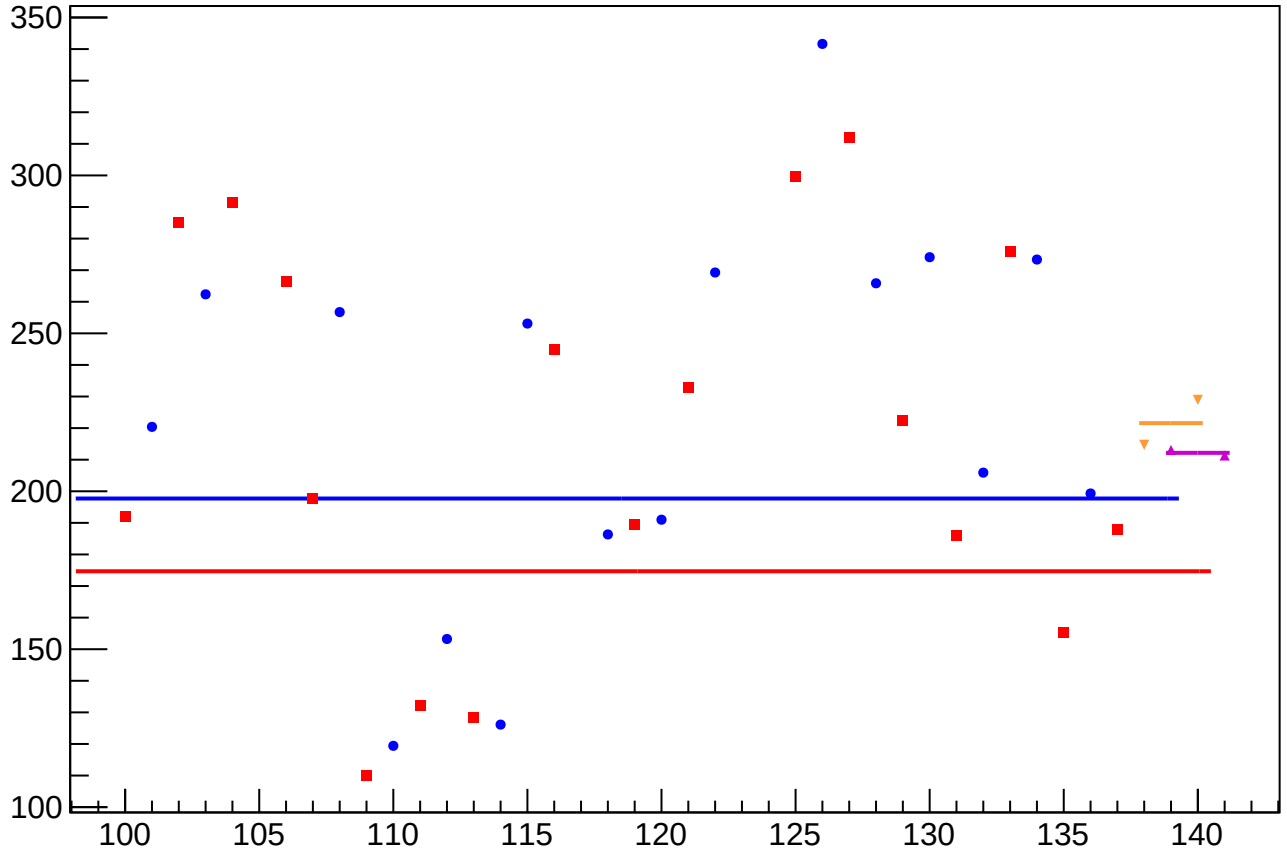
Left: 295.438+/-119.521 χ^2/NDF: 1.0/3

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 19.894+/-70.034 χ^2/NDF:19.9/17

Out: -79.953+/-64.915 χ^2/NDF:16.7/19

All: -33.812+/-47.609 χ^2/NDF: 37.7/37



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 221.576+/-0.125 χ^2/NDF:3257.7/1

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 212.169+/-0.115 χ^2/NDF:57.7/1

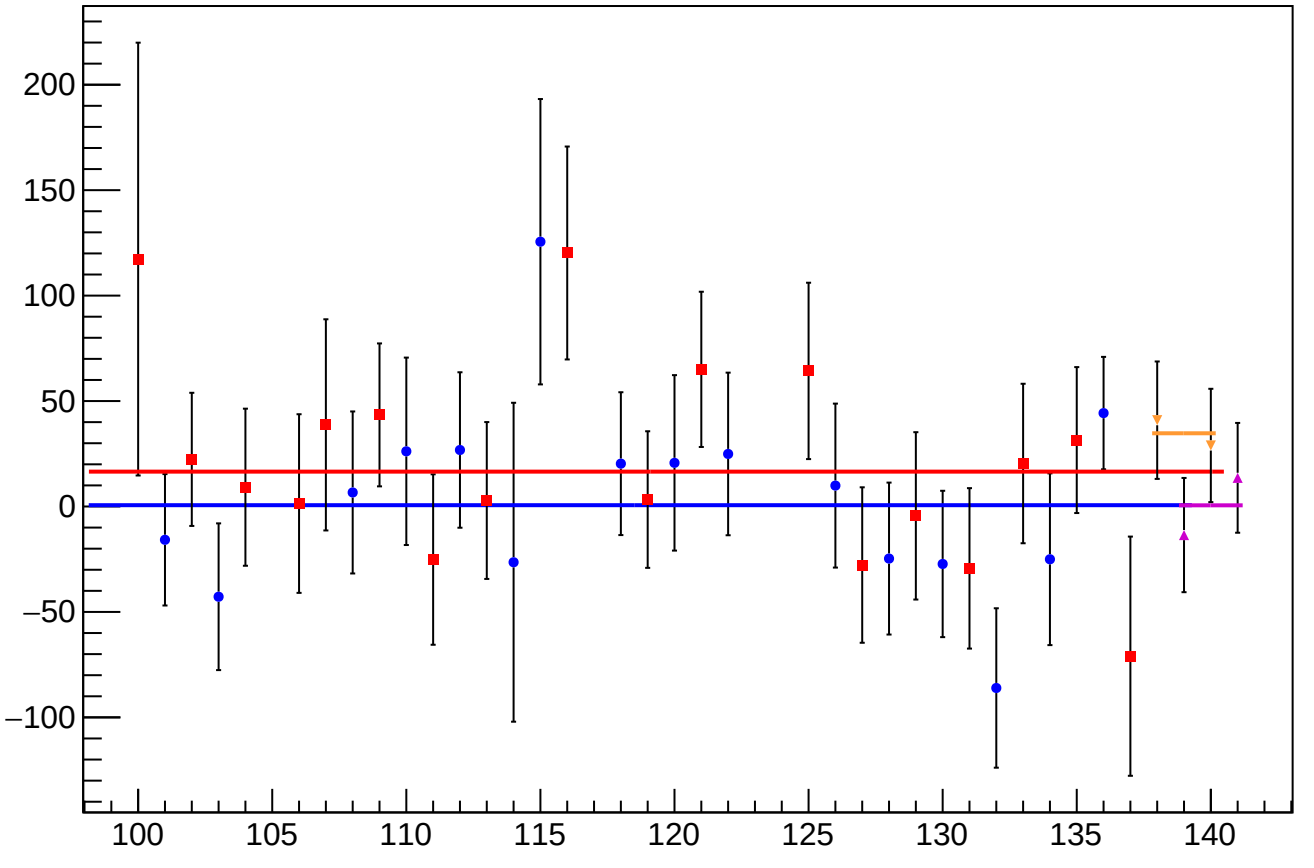
Left: 216.503+/-0.085 χ^2/NDF: 6393.6/3

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 200.385+/-0.050 χ^2/NDF:1013248.8/17

Out: 181.052+/-0.046 χ^2/NDF:1660586.5/19

All: 189.986+/-0.034 χ^2/NDF: 2755812.2/37



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 34.719+/-19.334 χ^2/NDF:0.1/1

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 0.557+/-18.770 χ^2/NDF:0.5/1

Left: 17.133+/-13.467 χ^2/NDF: 2.2/3

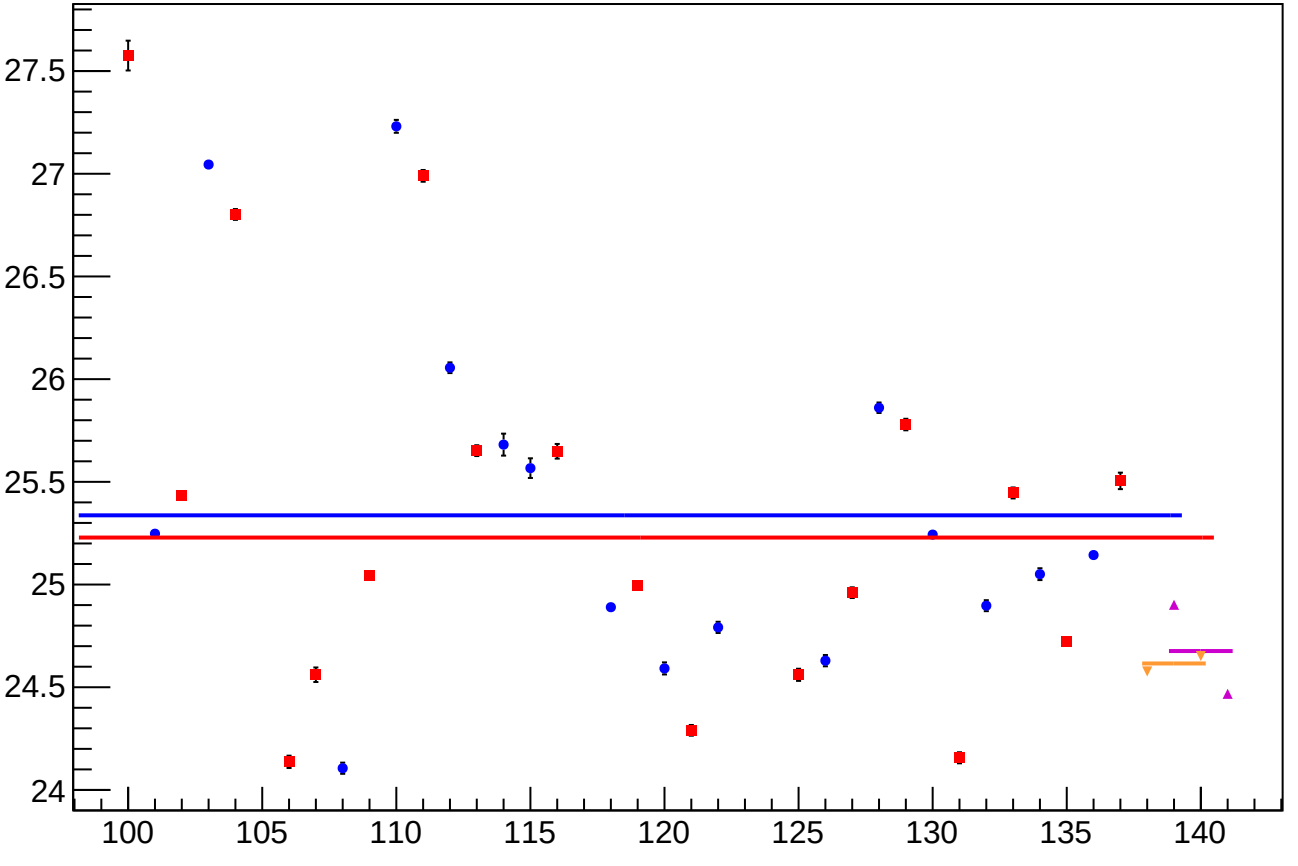
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 0.607+/-8.420 χ^2/NDF:17.3/17

Out: 19.955+/-8.386 χ^2/NDF:17.2/19

All: 10.321+/-5.942 χ^2/NDF: 37.1/37

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 24.616+/-0.014 χ^2/NDF:7.5/1

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.676+/-0.013 χ^2/NDF:266.3/1

Left: 24.647+/-0.010 χ^2/NDF: 283.9/3

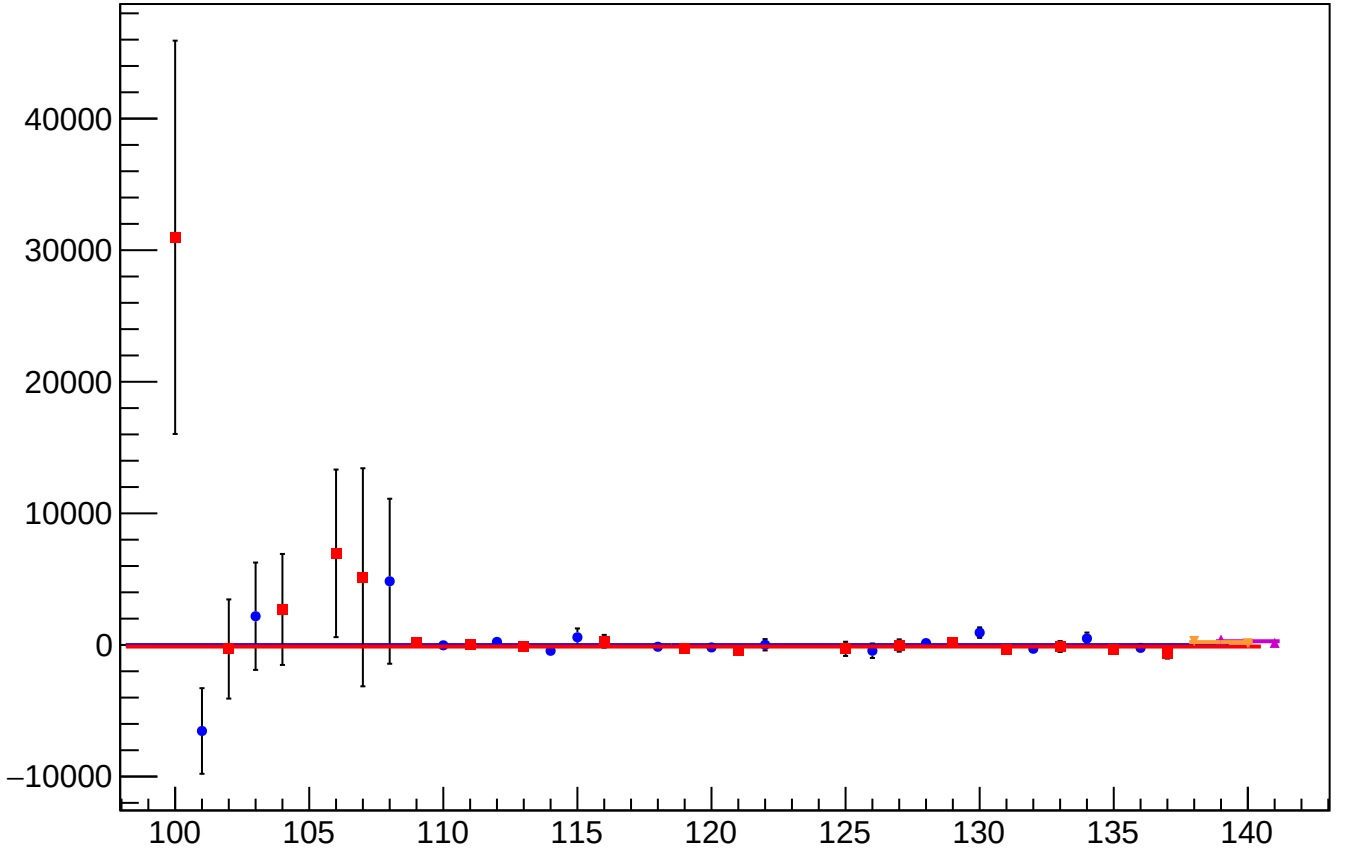
Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.204+/-0.006 χ^2/NDF:16560.6/17

Out: 25.113+/-0.006 χ^2/NDF:16816.0/19

All: 25.159+/-0.004 χ^2/NDF: 33492.8/37

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 217.227+/-171.670 χ^2/NDF:0.2/1

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 282.328+/-159.537 χ^2/NDF:0.7/1

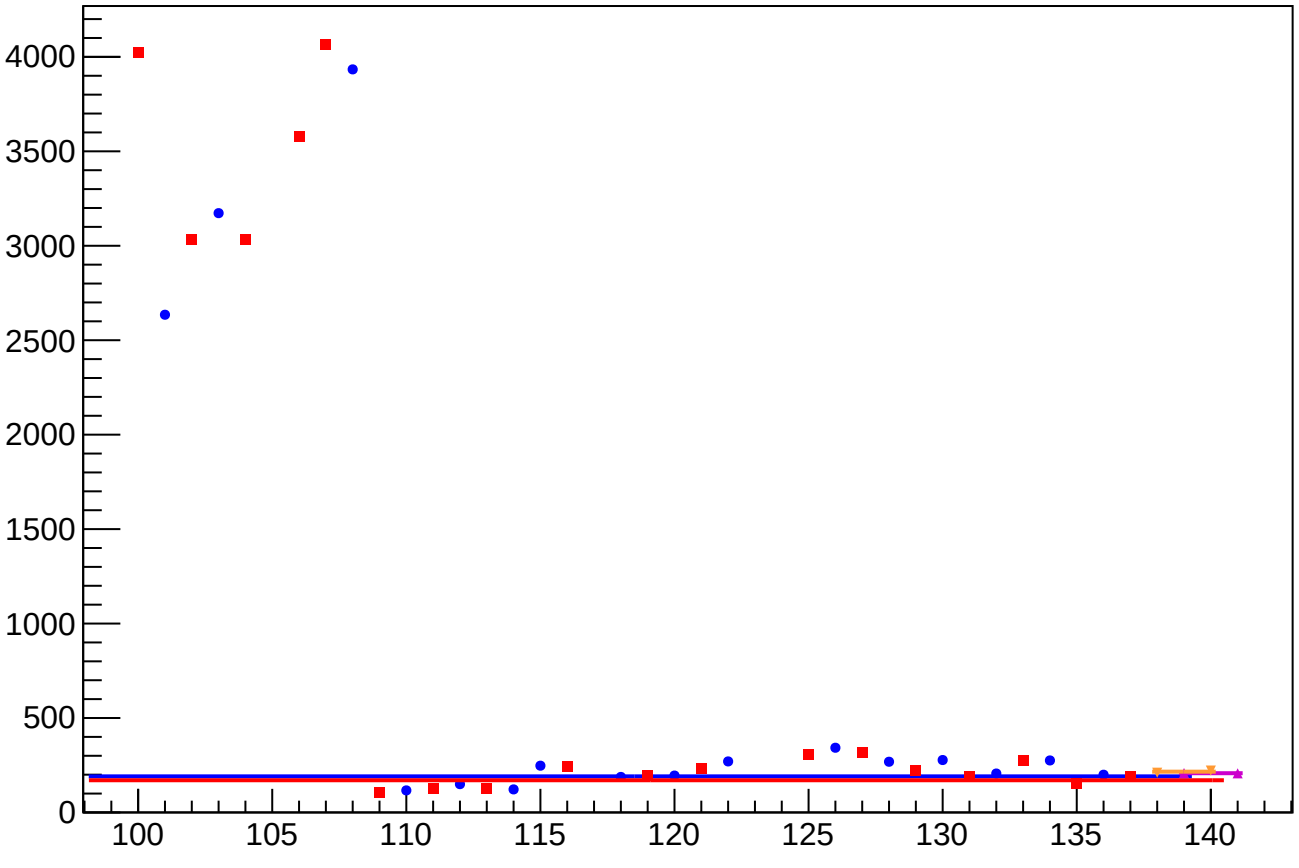
Left: 252.159+/-116.864 χ^2/NDF: 1.0/3

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 51.519+/-74.641 χ^2/NDF:21.7/17

Out: -61.978+/-71.200 χ^2/NDF:17.8/19

All: -7.905+/-51.519 χ^2/NDF: 40.7/37



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 215.913+/-0.121 χ^2/NDF:2202.9/1

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 207.790+/-0.113 χ^2/NDF:34.7/1

Left: 211.555+/-0.083 χ^2/NDF: 4640.2/3

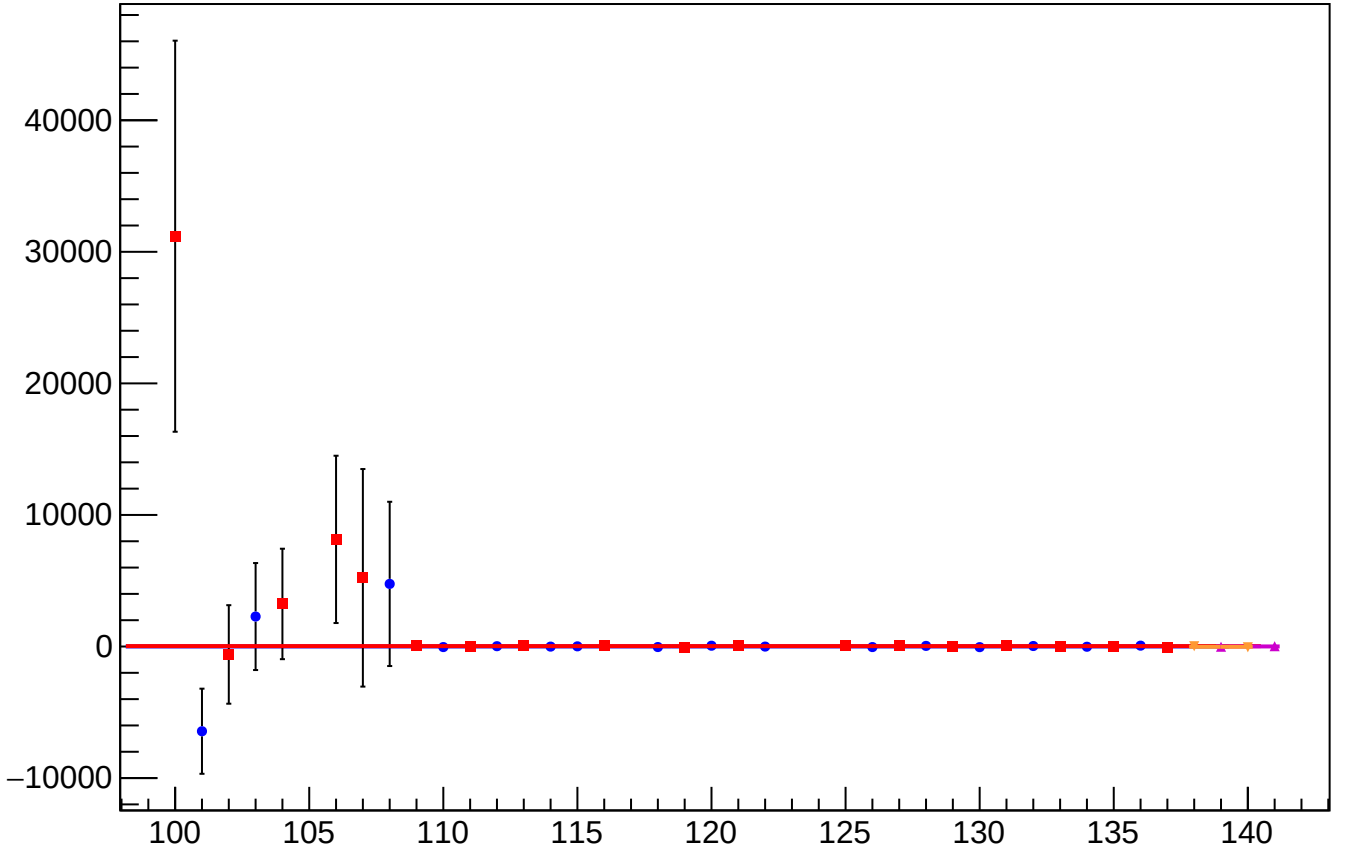
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 194.730+/-0.053 χ^2/NDF:3851147.2/17

Out: 178.307+/-0.050 χ^2/NDF:4372941.4/19

All: 186.131+/-0.036 χ^2/NDF: 8274785.1/37

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -21.073+/-22.251 χ^2/NDF:3.2/1

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 5.222+/-21.079 χ^2/NDF:0.9/1

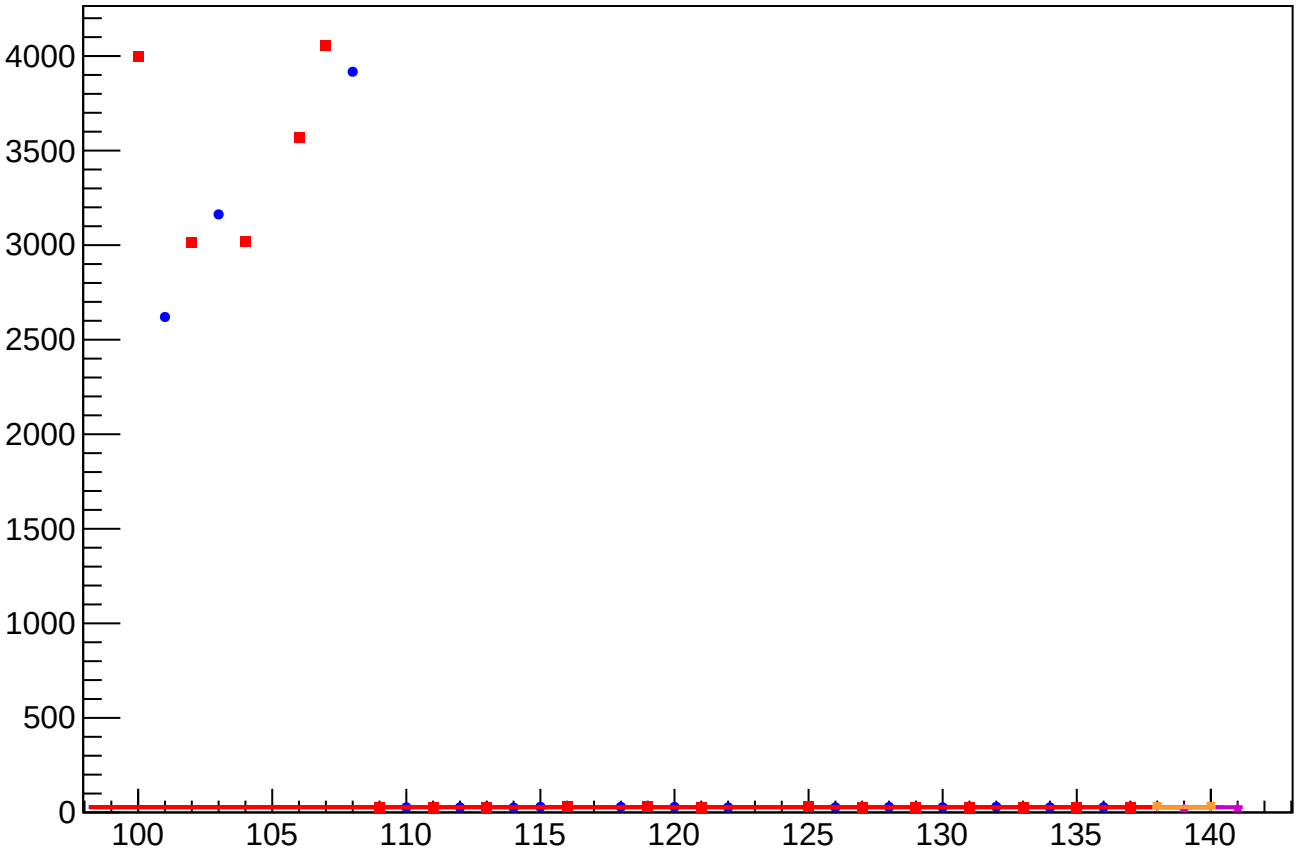
Left: -7.215+/-15.303 χ^2/NDF: 4.8/3

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 6.189+/-10.273 χ^2/NDF:19.2/17

Out: 18.939+/-10.619 χ^2/NDF:27.2/19

All: 12.352+/-7.383 χ^2/NDF: 47.1/37



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.229+/-0.016 χ^2/NDF:5.9/1

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 27.662+/-0.015 χ^2/NDF:913.0/1

Left: 27.930+/-0.011 χ^2/NDF: 1603.6/3

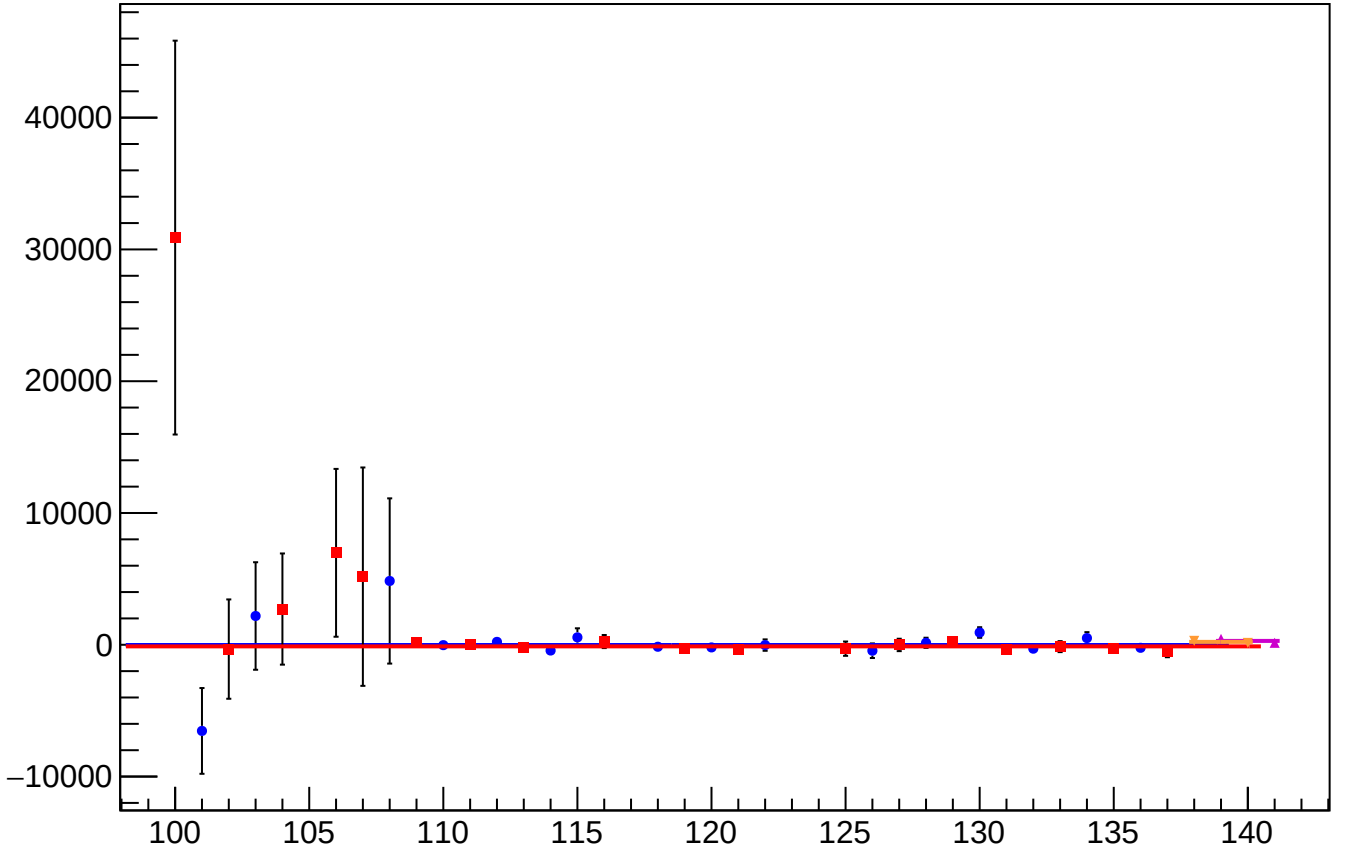
Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 27.786+/-0.007 χ^2/NDF:3266899.6/17

Out: 27.881+/-0.008 χ^2/NDF:3559038.0/19

All: 27.832+/-0.005 χ^2/NDF: 6826019.9/37

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 219.913+/-172.572 χ^2/NDF:0.2/1

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 293.298+/-160.466 χ^2/NDF:0.8/1

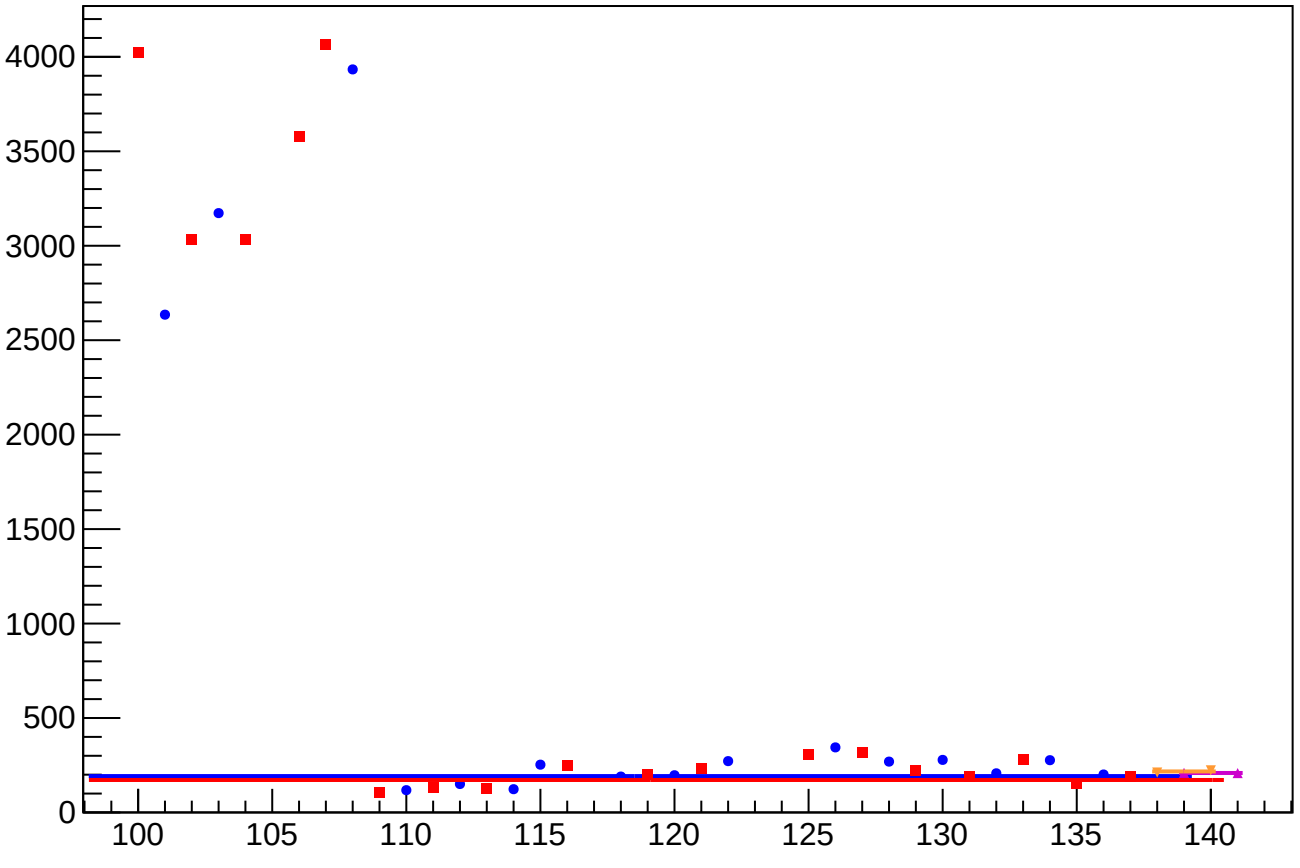
Left: 259.270+/-117.513 χ^2/NDF: 1.2/3

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 49.100+/-75.156 χ^2/NDF:22.0/17

Out: -62.578+/-71.714 χ^2/NDF:16.7/19

All: -9.355+/-51.884 χ^2/NDF: 39.8/37



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 217.048+/-0.122 χ^2/NDF:2251.4/1

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 209.007+/-0.113 χ^2/NDF:27.7/1

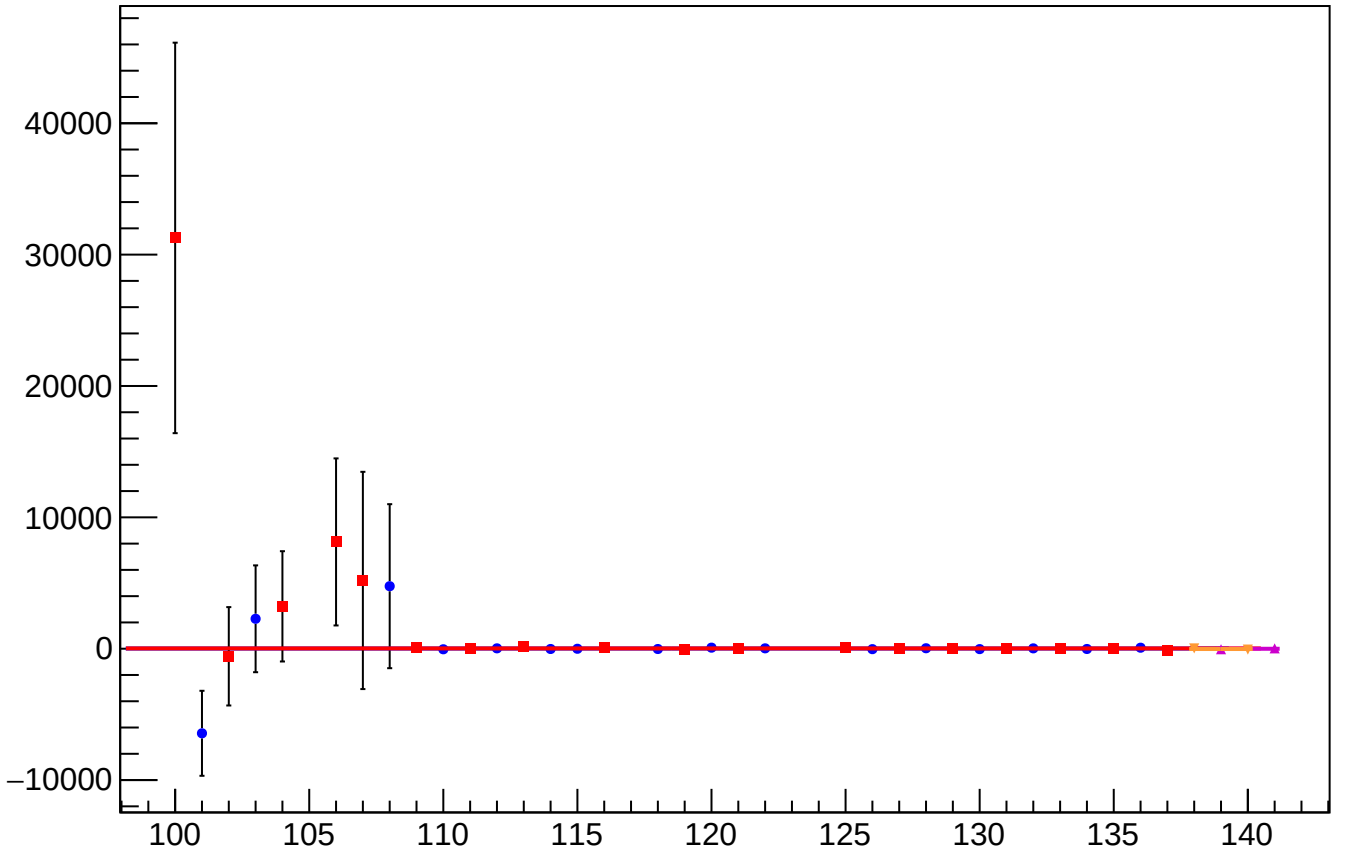
Left: 212.736+/-0.083 χ^2/NDF: 4607.8/3

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 196.168+/-0.053 χ^2/NDF:3839218.6/17

Out: 179.695+/-0.051 χ^2/NDF:4363308.0/19

All: 187.546+/-0.037 χ^2/NDF: 8252815.7/37



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -23.553+/-24.299 χ^2/NDF:3.4/1

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: -4.885+/-23.139 χ^2/NDF:2.1/1

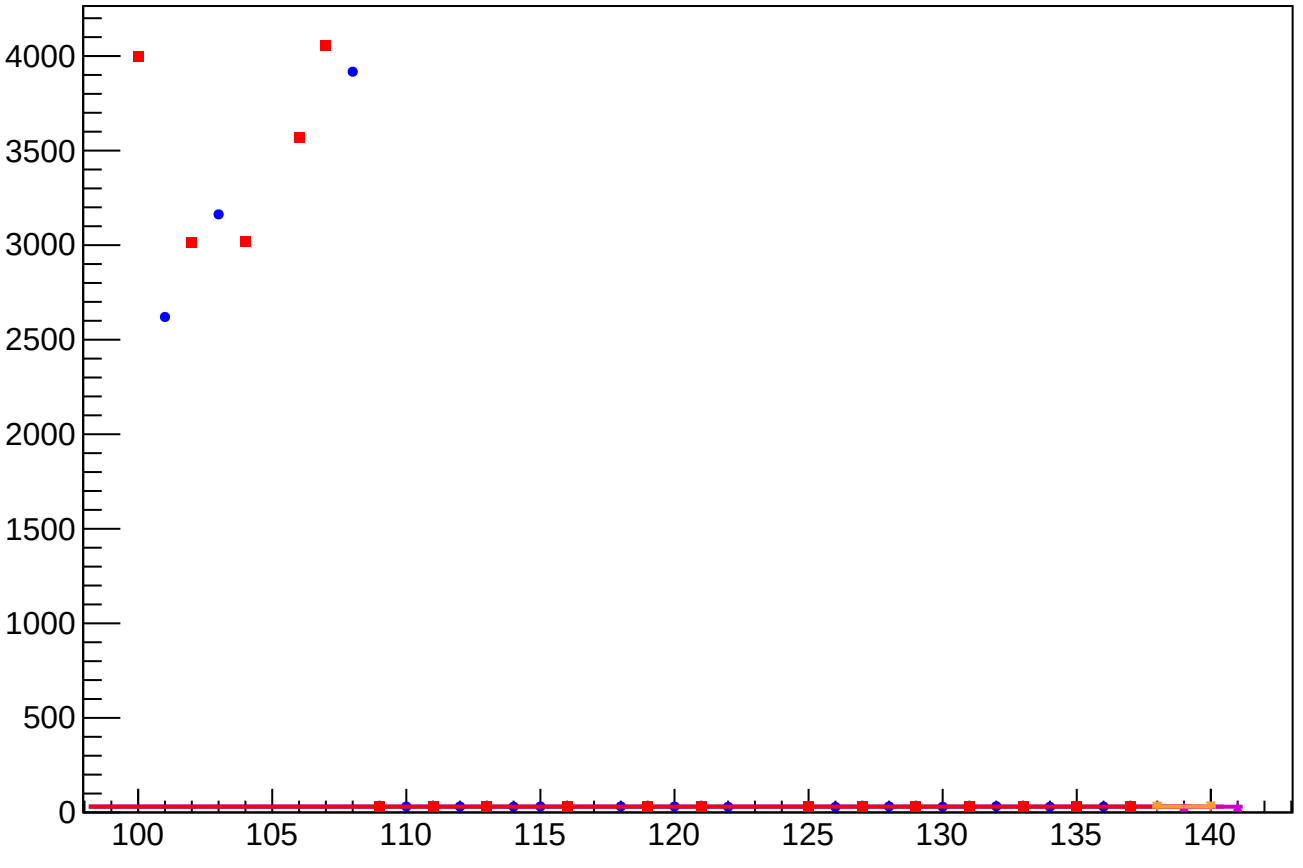
Left: -13.762+/-16.757 χ^2/NDF: 5.8/3

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 9.219+/-11.375 χ^2/NDF:18.1/17

Out: 11.327+/-11.722 χ^2/NDF:34.4/19

All: 10.241+/-8.163 χ^2/NDF: 52.5/37



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 30.847+/-0.017 χ^2/NDF:62.4/1

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 30.386+/-0.016 χ^2/NDF:488.1/1

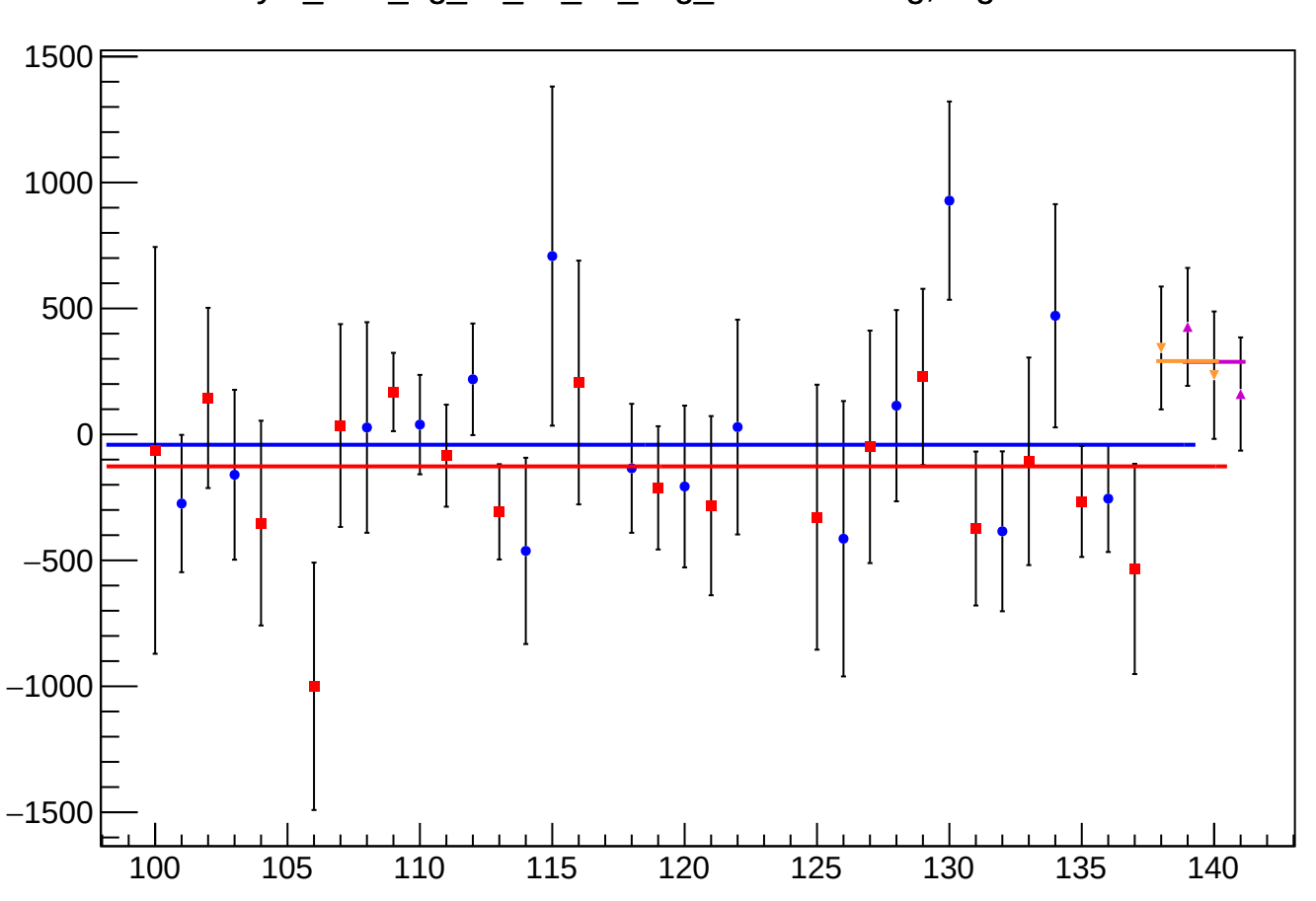
Left: 30.605+/-0.012 χ^2/NDF: 927.4/3

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 30.797+/-0.008 χ^2/NDF:3253928.6/17

Out: 30.814+/-0.008 χ^2/NDF:3536026.9/19

All: 30.805+/-0.006 χ^2/NDF: 6789957.7/37



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 291.092+/-175.574 χ^2/NDF:0.1/1

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 288.142+/-162.116 χ^2/NDF:0.7/1

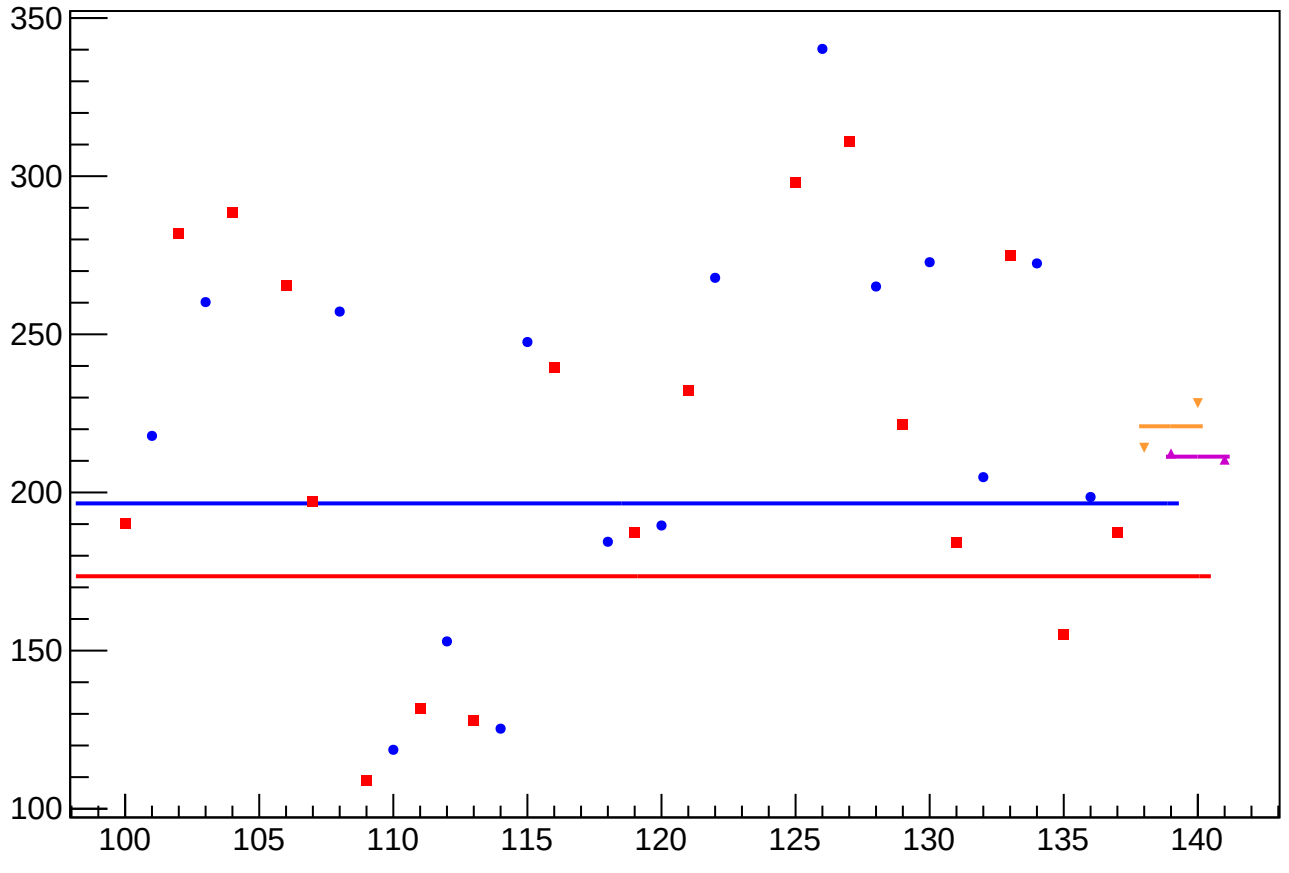
Left: 289.500+/-119.107 χ^2/NDF: 0.8/3

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 19.671+/-69.656 χ^2/NDF:19.7/17

Out: -70.438+/-64.527 χ^2/NDF:17.8/19

All: -28.823+/-47.337 χ^2/NDF: 38.3/37



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 220.922+/-0.124 χ^2/NDF:3220.8/1

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 211.330+/-0.115 χ^2/NDF:73.6/1

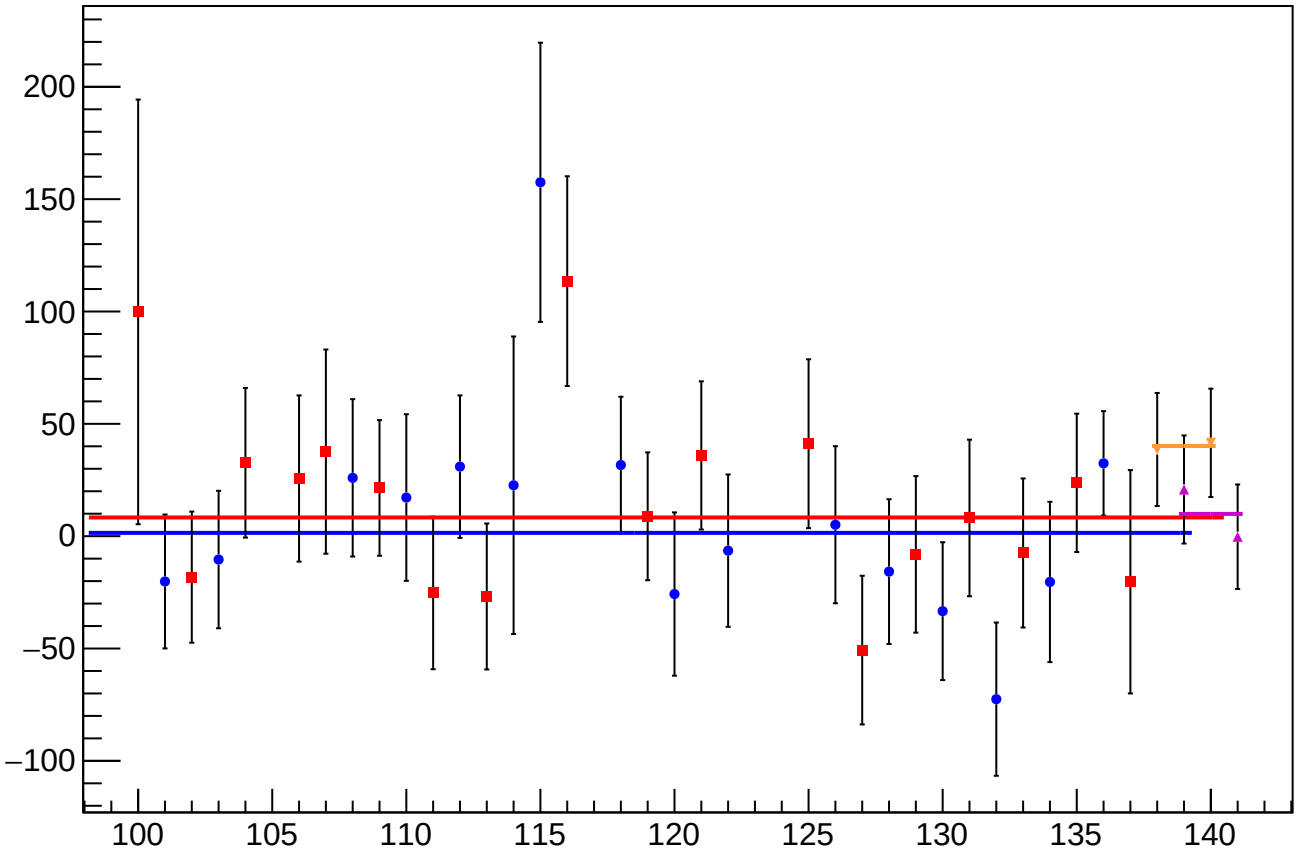
Left: 215.744+/-0.084 χ^2/NDF: 6516.6/3

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 199.272+/-0.049 χ^2/NDF:1014412.6/17

Out: 179.913+/-0.046 χ^2/NDF:1662088.3/19

All: 188.854+/-0.033 χ^2/NDF: 2759638.3/37



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 40.133+/-17.412 χ^2/NDF:0.0/1

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 9.911+/-16.721 χ^2/NDF:0.4/1

Left: 24.411+/-12.060 χ^2/NDF: 2.0/3

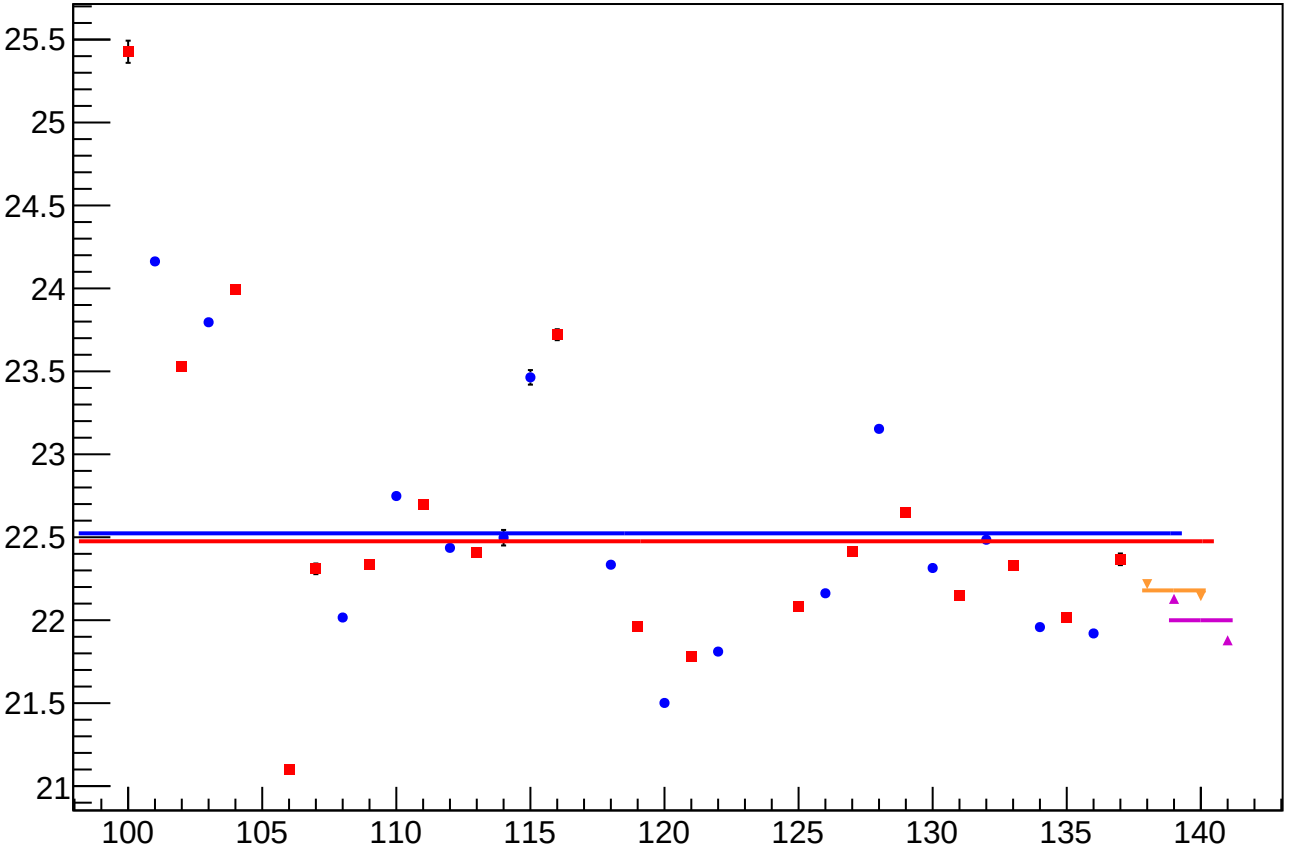
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 3.166+/-7.485 χ^2/NDF:19.3/17

Out: 14.201+/-7.482 χ^2/NDF:18.8/19

All: 8.686+/-5.292 χ^2/NDF: 39.1/37

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.180+/-0.012 χ^2/NDF:8.6/1

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.000+/-0.012 χ^2/NDF:111.4/1

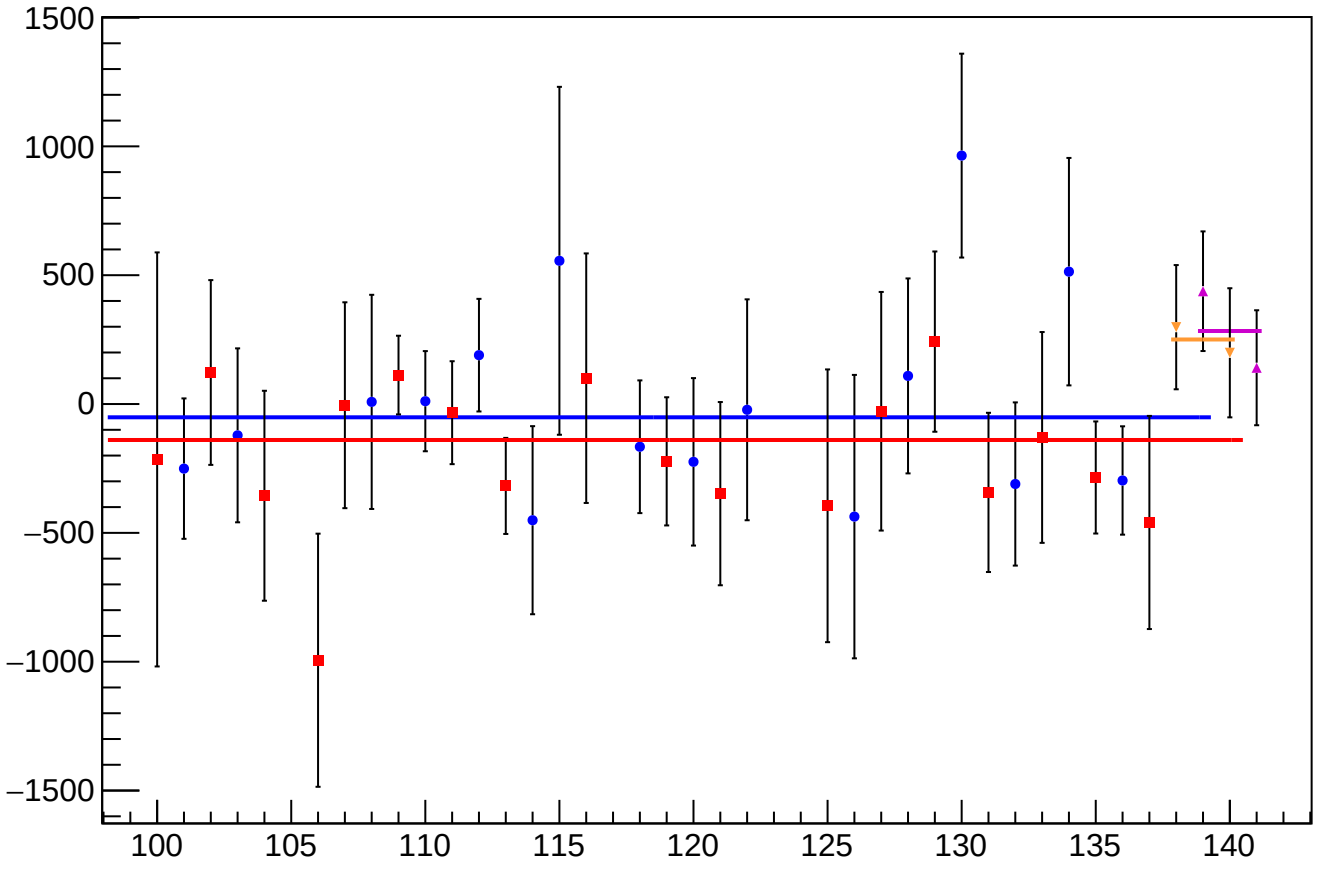
Left: 22.086+/-0.009 χ^2/NDF: 231.2/3

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.419+/-0.005 χ^2/NDF:17629.5/17

Out: 22.421+/-0.005 χ^2/NDF:16016.8/19

All: 22.420+/-0.004 χ^2/NDF: 33646.4/37



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 250.473+/-173.705 χ^2/NDF:0.1/1

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 283.409+/-160.860 χ^2/NDF:0.9/1

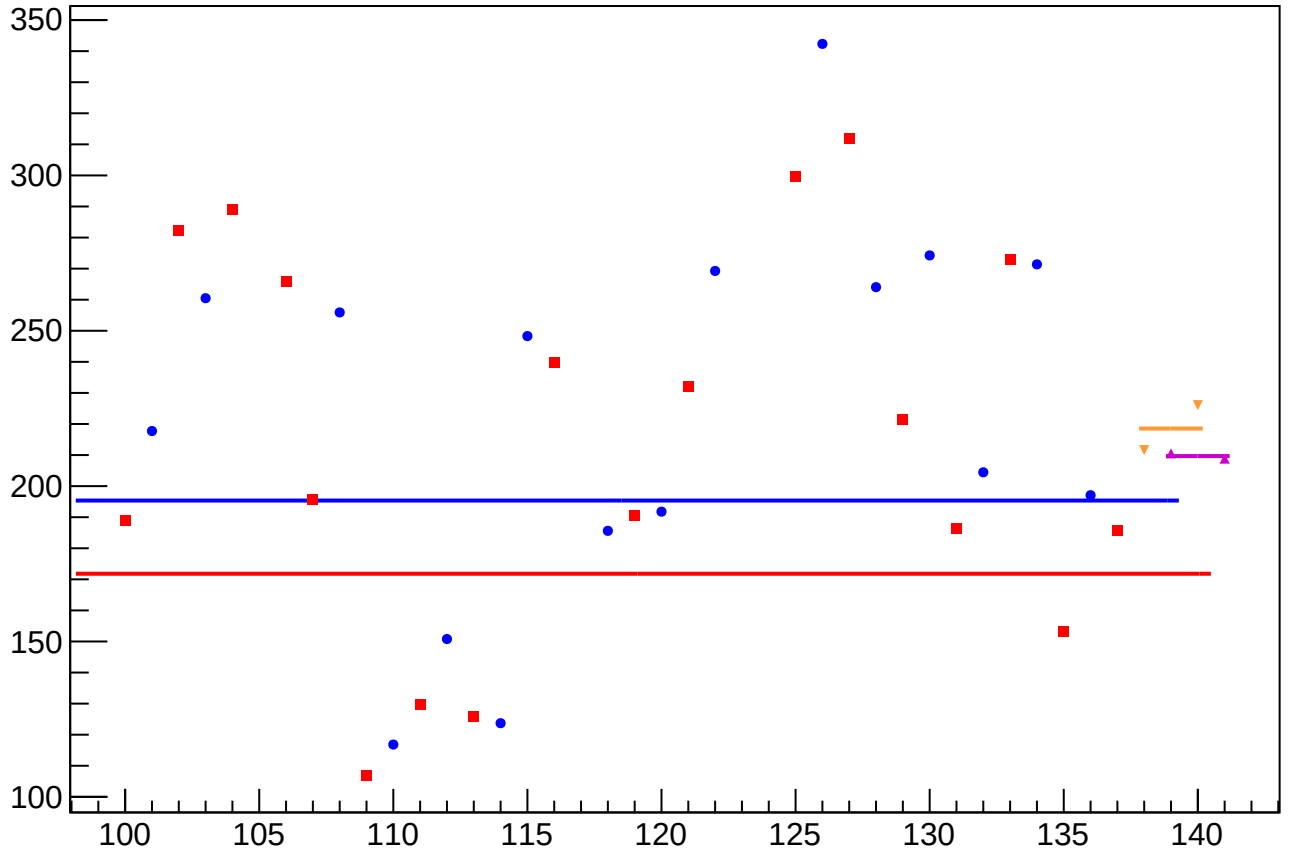
Left: 268.204+/-118.025 χ^2/NDF: 1.0/3

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 10.673+/-69.305 χ^2/NDF:19.7/17

Out: -86.541+/-64.036 χ^2/NDF:16.0/19

All: -41.769+/-47.033 χ^2/NDF: 36.8/37



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 218.539+/-0.123 χ^2/NDF:3466.9/1

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 209.674+/-0.114 χ^2/NDF:56.0/1

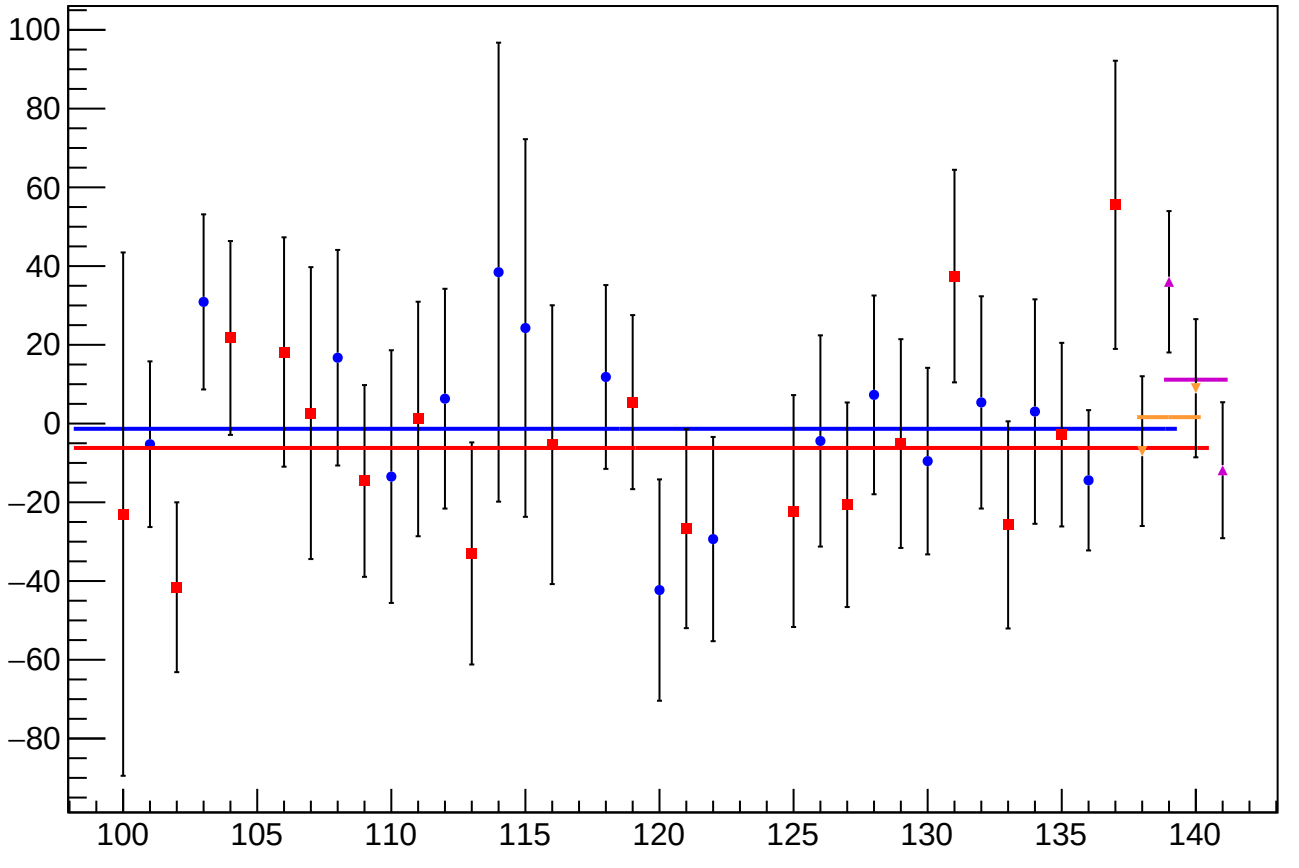
Left: 213.767+/-0.083 χ^2/NDF: 6327.7/3

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 198.018+/-0.049 χ^2/NDF:1054382.3/17

Out: 178.156+/-0.045 χ^2/NDF:1729226.3/19

All: 187.303+/-0.033 χ^2/NDF: 2872216.6/37



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.629+/-12.899 χ^2/NDF:0.4/1

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 11.147+/-12.447 χ^2/NDF:3.7/1

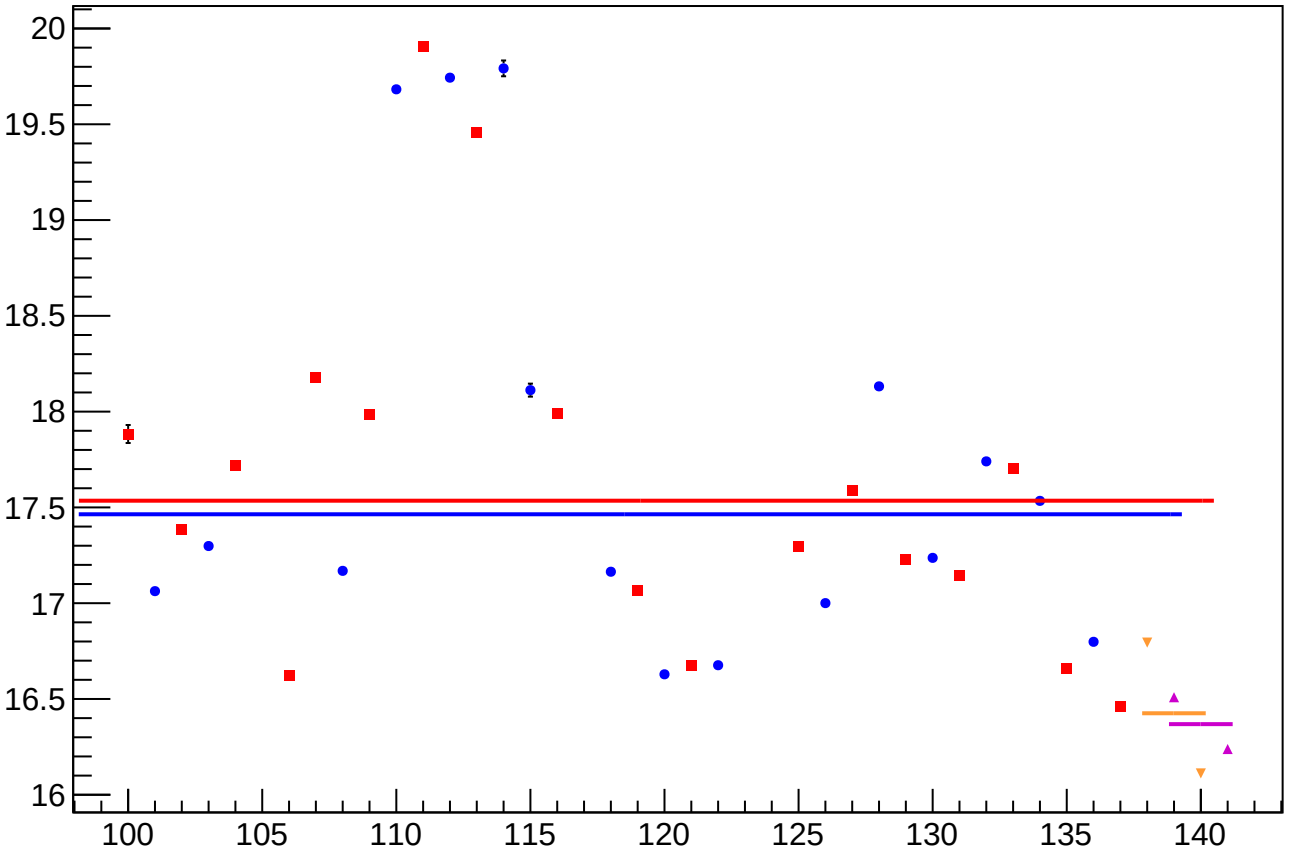
Left: 6.558+/-8.957 χ^2/NDF: 4.4/3

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 1.342+/-5.761 χ^2/NDF:12.5/17

Out: -4.621+/-5.785 χ^2/NDF:14.1/19

All: -1.627+/-4.082 χ^2/NDF: 27.2/37



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.425+/-0.009 χ^2/NDF:1392.4/1

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.369+/-0.009 χ^2/NDF:235.5/1

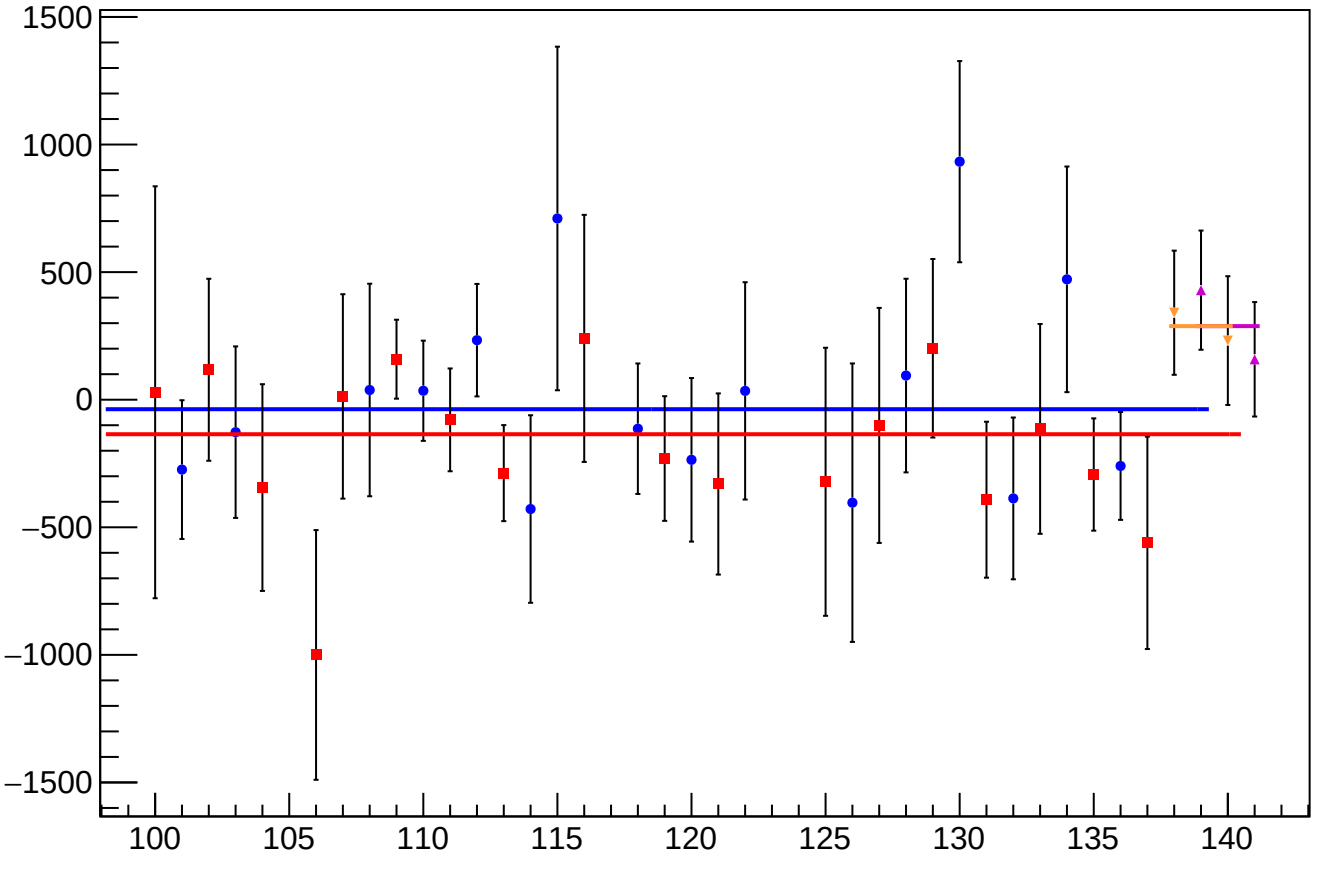
Left: 16.396+/-0.006 χ^2/NDF: 1647.9/3

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 17.230+/-0.004 χ^2/NDF:49059.1/17

Out: 17.312+/-0.004 χ^2/NDF:47689.5/19

All: 17.270+/-0.003 χ^2/NDF: 96951.9/37



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 288.285+/-175.109 χ^2/NDF:0.1/1

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 288.365+/-161.769 χ^2/NDF:0.7/1

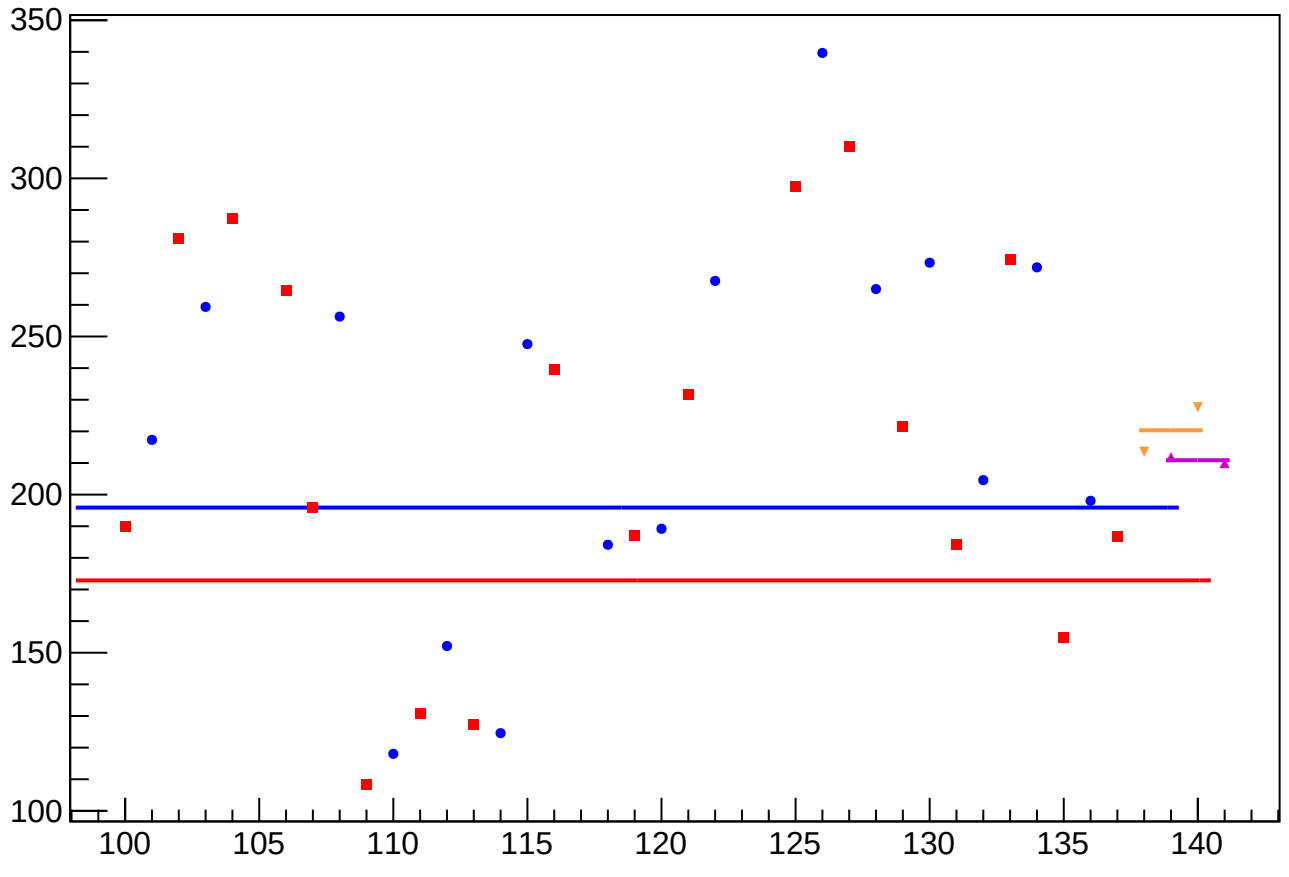
Left: 288.328+/-118.824 χ^2/NDF: 0.8/3

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 22.795+/-69.463 χ^2/NDF:19.7/17

Out: -78.127+/-64.323 χ^2/NDF:18.0/19

All: -31.538+/-47.196 χ^2/NDF: 38.8/37



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 220.339+/-0.124 χ^2/NDF:3231.3/1

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 210.877+/-0.114 χ^2/NDF:69.6/1

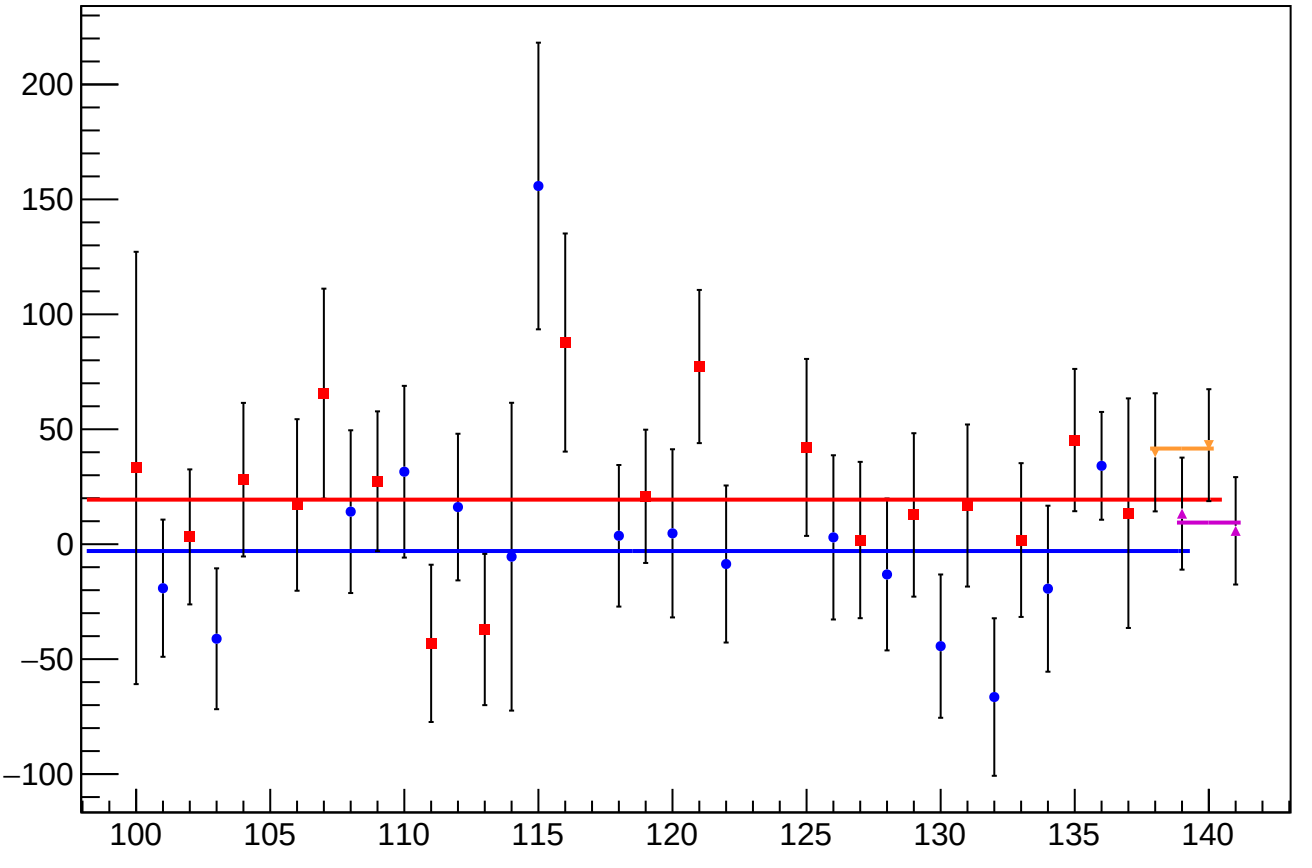
Left: 215.234+/-0.084 χ^2/NDF: 6451.4/3

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 198.661+/-0.049 χ^2/NDF:1025064.5/17

Out: 179.277+/-0.045 χ^2/NDF:1673612.2/19

All: 188.226+/-0.033 χ^2/NDF: 2782520.7/37



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 41.613+/-17.672 χ^2/NDF:0.0/1

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 9.404+/-16.865 χ^2/NDF:0.0/1

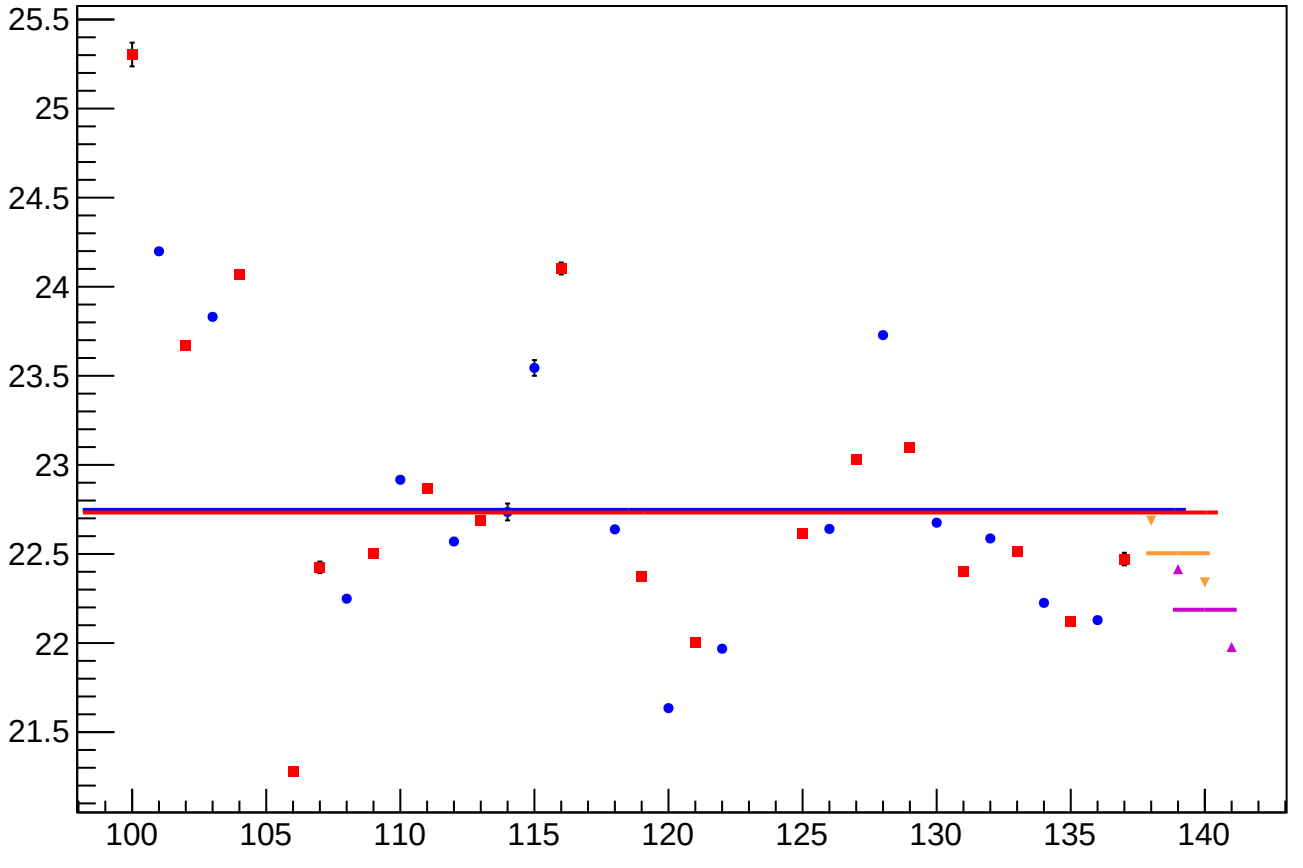
Left: 24.756+/-12.201 χ^2/NDF: 1.8/3

Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: -0.483+/-7.558 χ^2/NDF:18.4/17

Out: 23.468+/-7.573 χ^2/NDF:15.8/19

All: 11.469+/-5.349 χ^2/NDF: 39.2/37



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.504+/-0.012 χ^2/NDF:191.1/1

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.187+/-0.012 χ^2/NDF:335.3/1

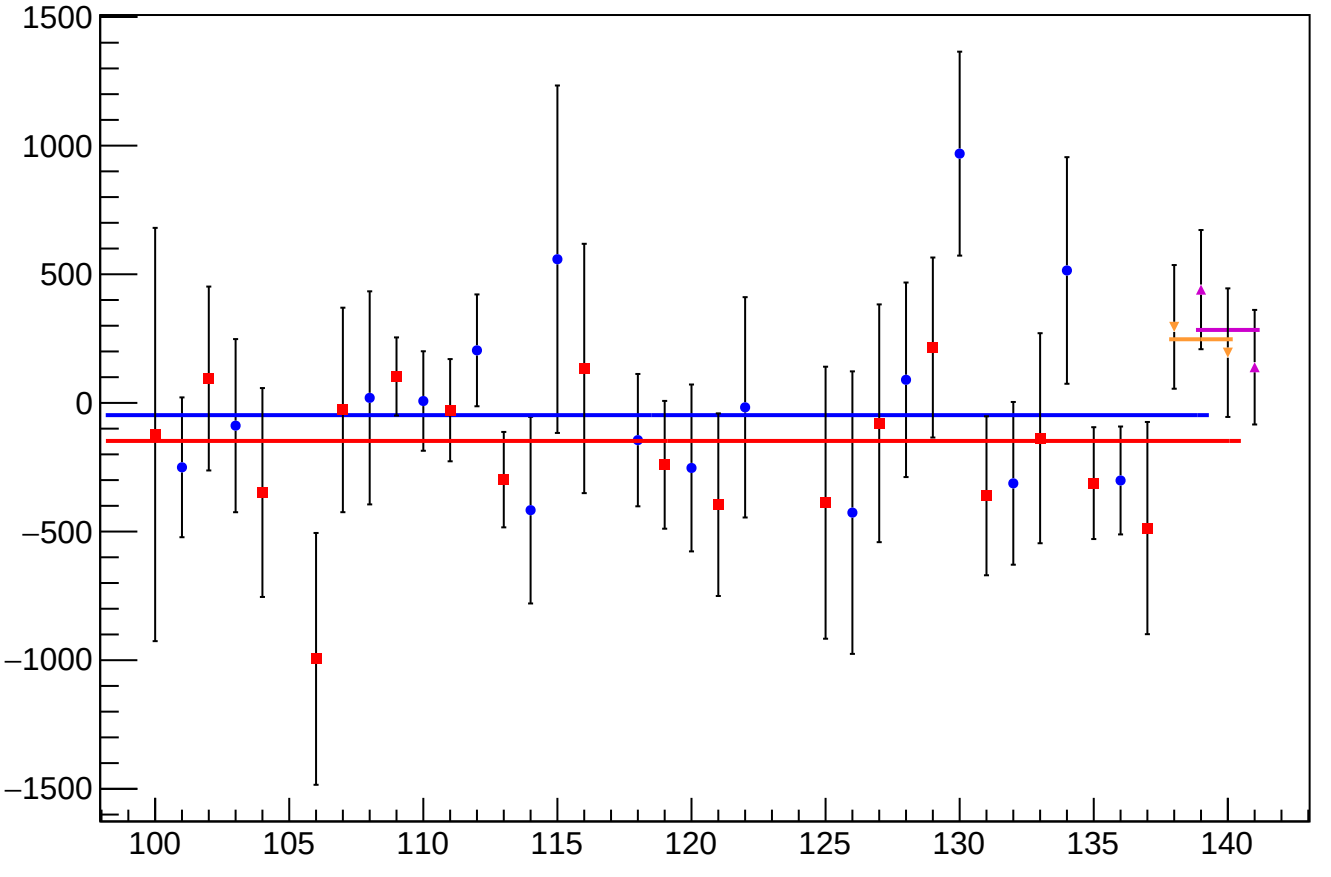
Left: 22.338+/-0.009 χ^2/NDF: 863.2/3

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.635+/-0.005 χ^2/NDF:16722.9/17

Out: 22.691+/-0.005 χ^2/NDF:14854.7/19

All: 22.663+/-0.004 χ^2/NDF: 31632.2/37



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 247.354+/-173.240 χ^2/NDF:0.1/1

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 283.621+/-160.511 χ^2/NDF:0.9/1

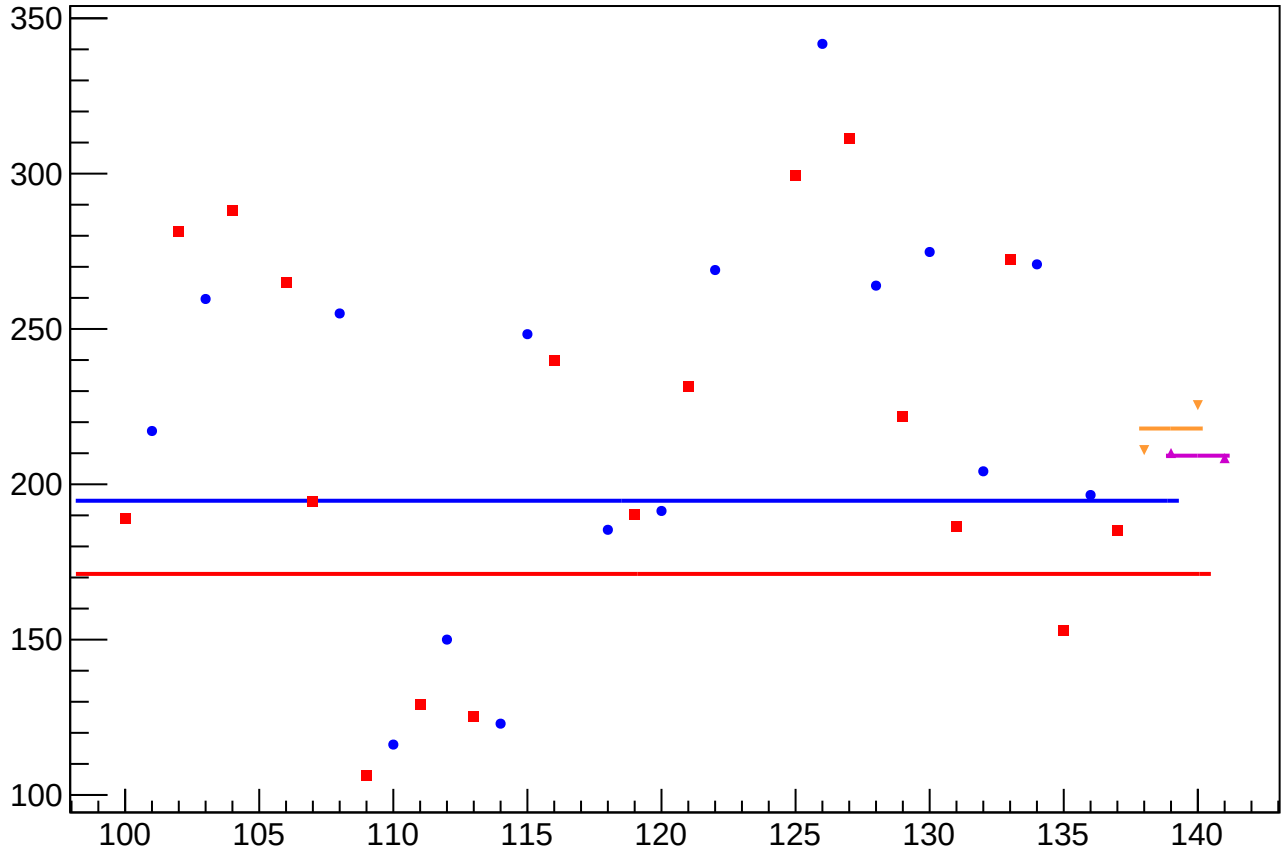
Left: 266.869+/-117.741 χ^2/NDF: 1.0/3

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 13.866+/-69.110 χ^2/NDF:19.7/17

Out: -94.167+/-63.829 χ^2/NDF:16.1/19

All: -44.435+/-46.890 χ^2/NDF: 37.2/37



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 217.955+/-0.122 χ^2/NDF:3480.8/1

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 209.217+/-0.113 χ^2/NDF:52.3/1

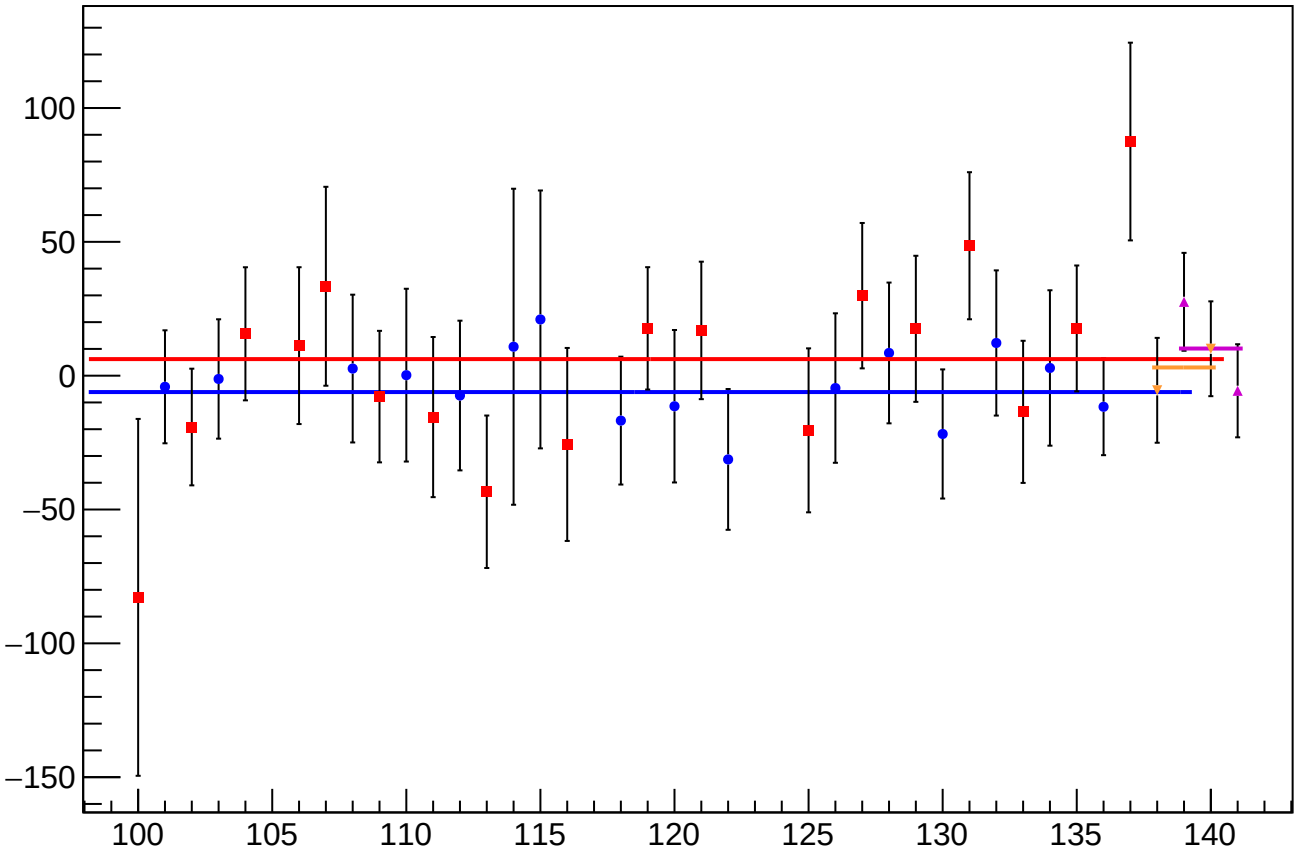
Left: 213.253+/-0.083 χ^2/NDF: 6271.3/3

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 197.398+/-0.049 χ^2/NDF:1065653.3/17

Out: 177.509+/-0.045 χ^2/NDF:1741555.3/19

All: 186.665+/-0.033 χ^2/NDF: 2896593.1/37



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 3.074+/-13.139 χ^2/NDF:0.3/1

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 10.143+/-12.602 χ^2/NDF:1.7/1

Left: 6.756+/-9.095 χ^2/NDF: 2.2/3

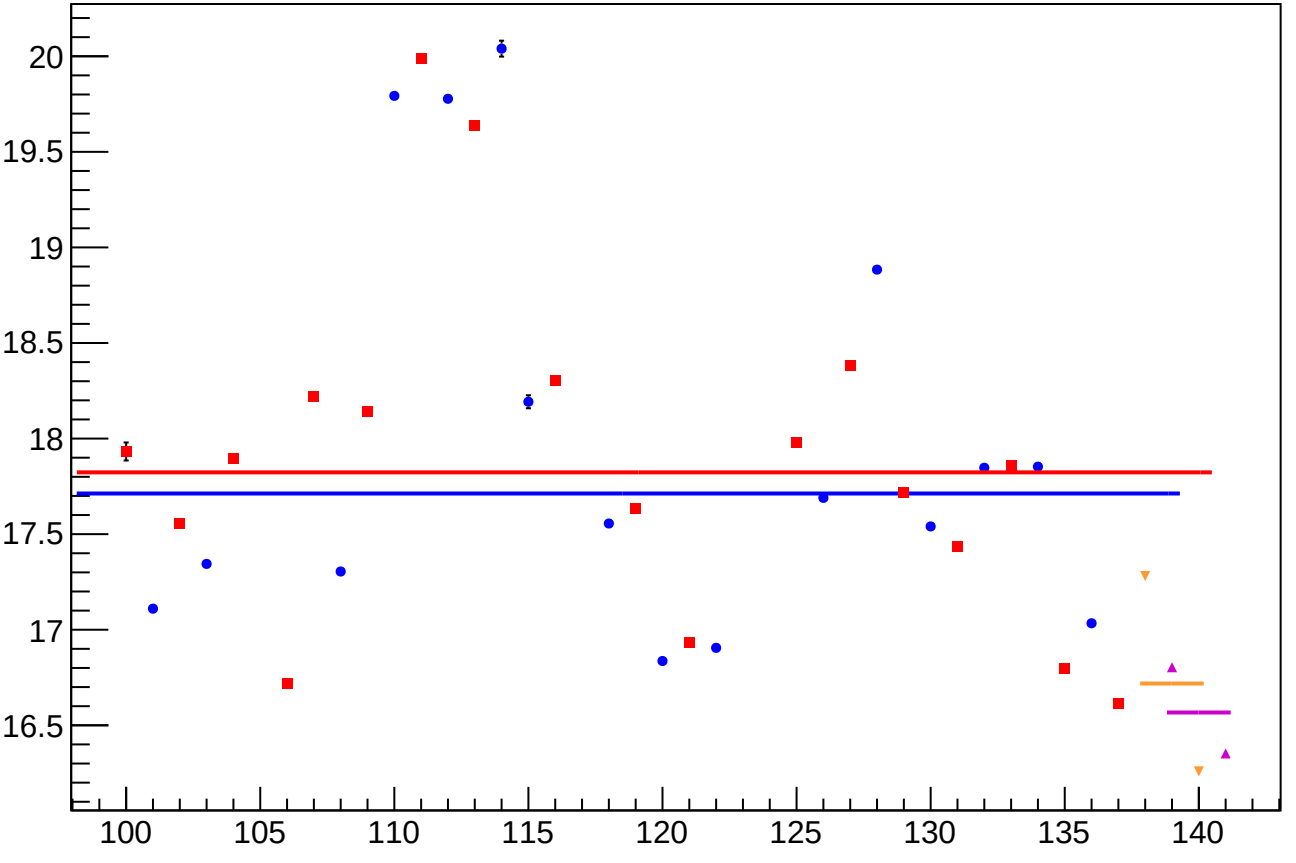
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -2.625+/-5.841 χ^2/NDF:6.2/17

Out: 5.569+/-5.884 χ^2/NDF:19.0/19

All: 1.442+/-4.145 χ^2/NDF: 26.2/37

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.719+/-0.009 χ^2/NDF:2994.4/1

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.567+/-0.009 χ^2/NDF:638.7/1

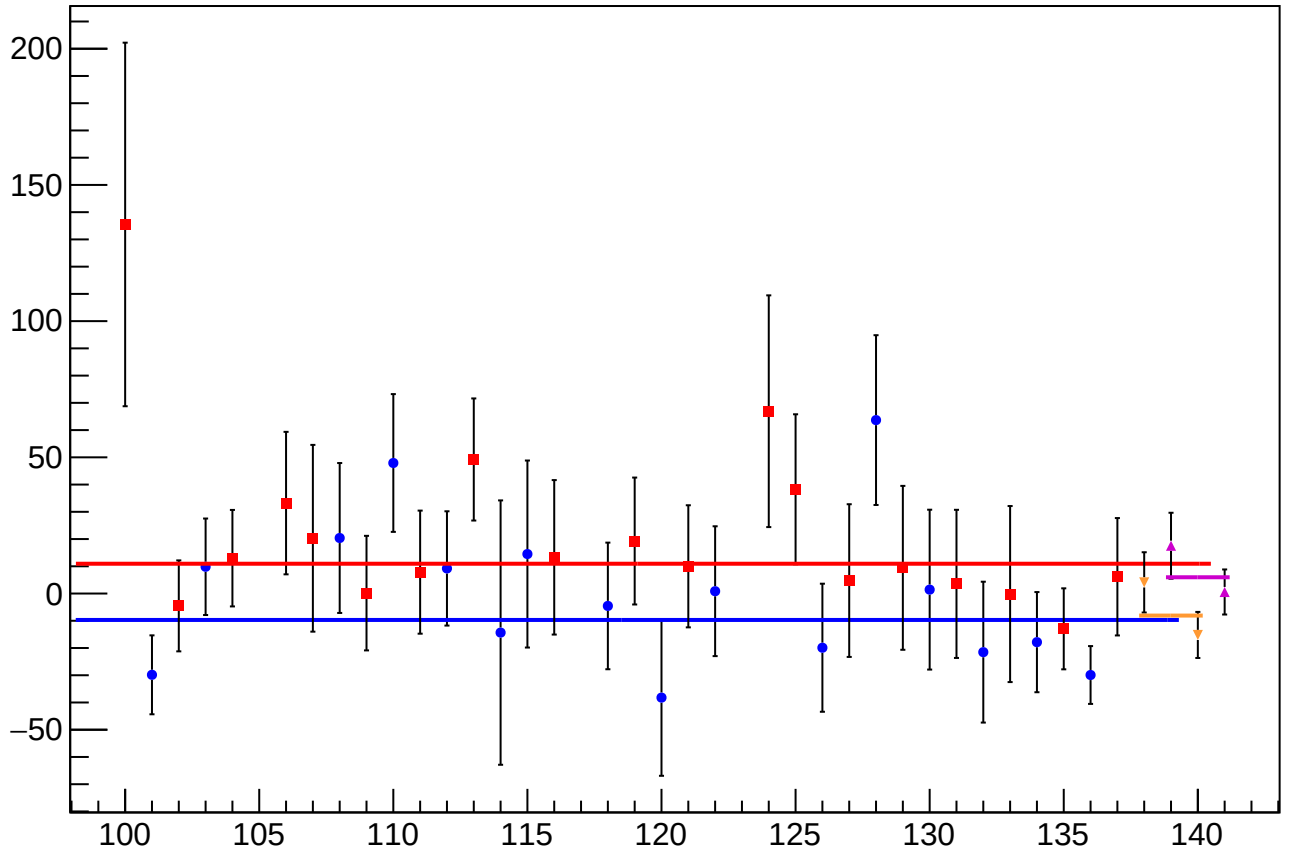
Left: 16.640+/-0.006 χ^2/NDF: 3771.6/3

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.467+/-0.004 χ^2/NDF:49598.9/17

Out: 17.602+/-0.004 χ^2/NDF:46799.5/19

All: 17.534+/-0.003 χ^2/NDF: 96929.9/37



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -8.093+/-6.718 χ^2/NDF:1.9/1

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 5.972+/-6.829 χ^2/NDF:1.3/1

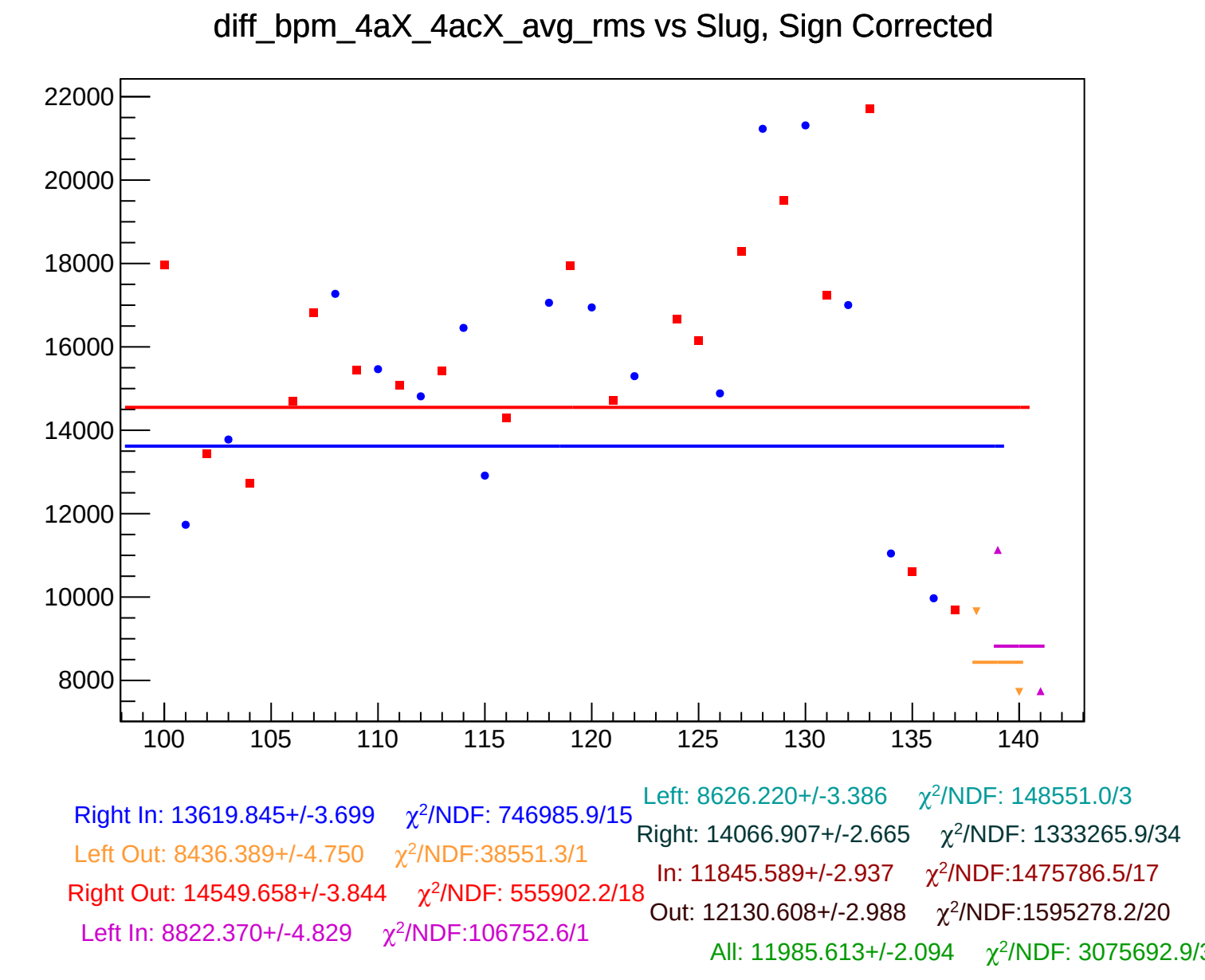
Left: -1.176+/-4.789 χ^2/NDF: 5.4/3

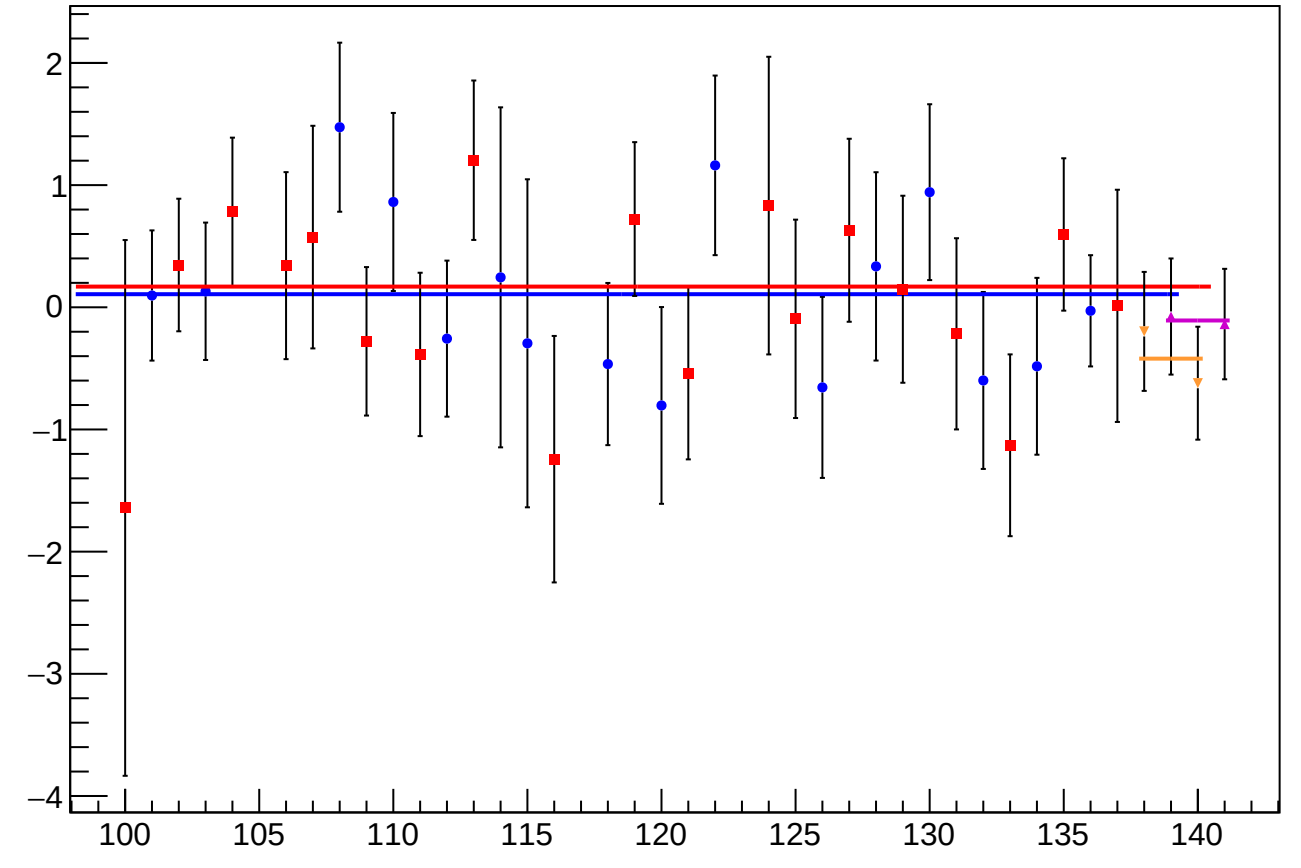
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -3.905+/-4.153 χ^2/NDF:26.7/17

Out: 3.408+/-4.226 χ^2/NDF:20.9/20

All: -0.313+/-2.962 χ^2/NDF: 49.0/38


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 13619.845+/-3.699 χ²/NDF: 746985.9/15
Left Out: 8436.389+/-4.750 χ²/NDF:38551.3/1
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 8822.370+/-4.829 χ²/NDF:106752.6/1
Left: 8626.220+/-3.386 χ²/NDF: 148551.0/3
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 11845.589+/-2.937 χ²/NDF:1475786.5/17
Out: 12130.608+/-2.988 χ²/NDF:1595278.2/20
All: 11985.613+/-2.094 χ²/NDF: 3075692.9/3



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.420+/-0.335 χ^2/NDF:0.4/1

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: -0.108+/-0.328 χ^2/NDF:0.0/1

Left: -0.261+/-0.234 χ^2/NDF: 0.9/3

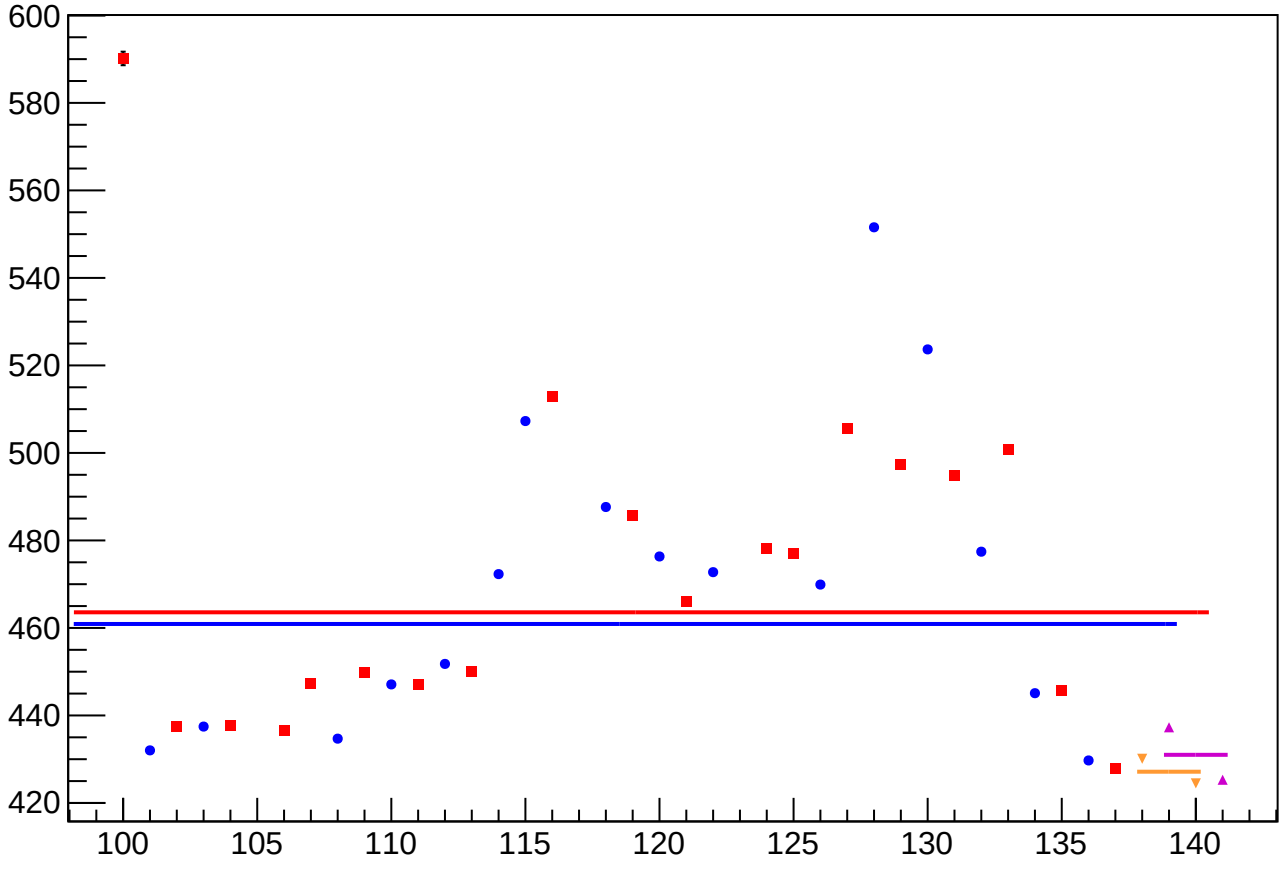
Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.061+/-0.152 χ^2/NDF:14.0/17

Out: 0.049+/-0.151 χ^2/NDF:17.0/20

All: 0.055+/-0.107 χ^2/NDF: 31.0/38

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 427.143+/-0.237 χ^2/NDF:140.2/1

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.002+/-0.232 χ^2/NDF:668.2/1

Left: 429.117+/-0.166 χ^2/NDF: 943.9/3

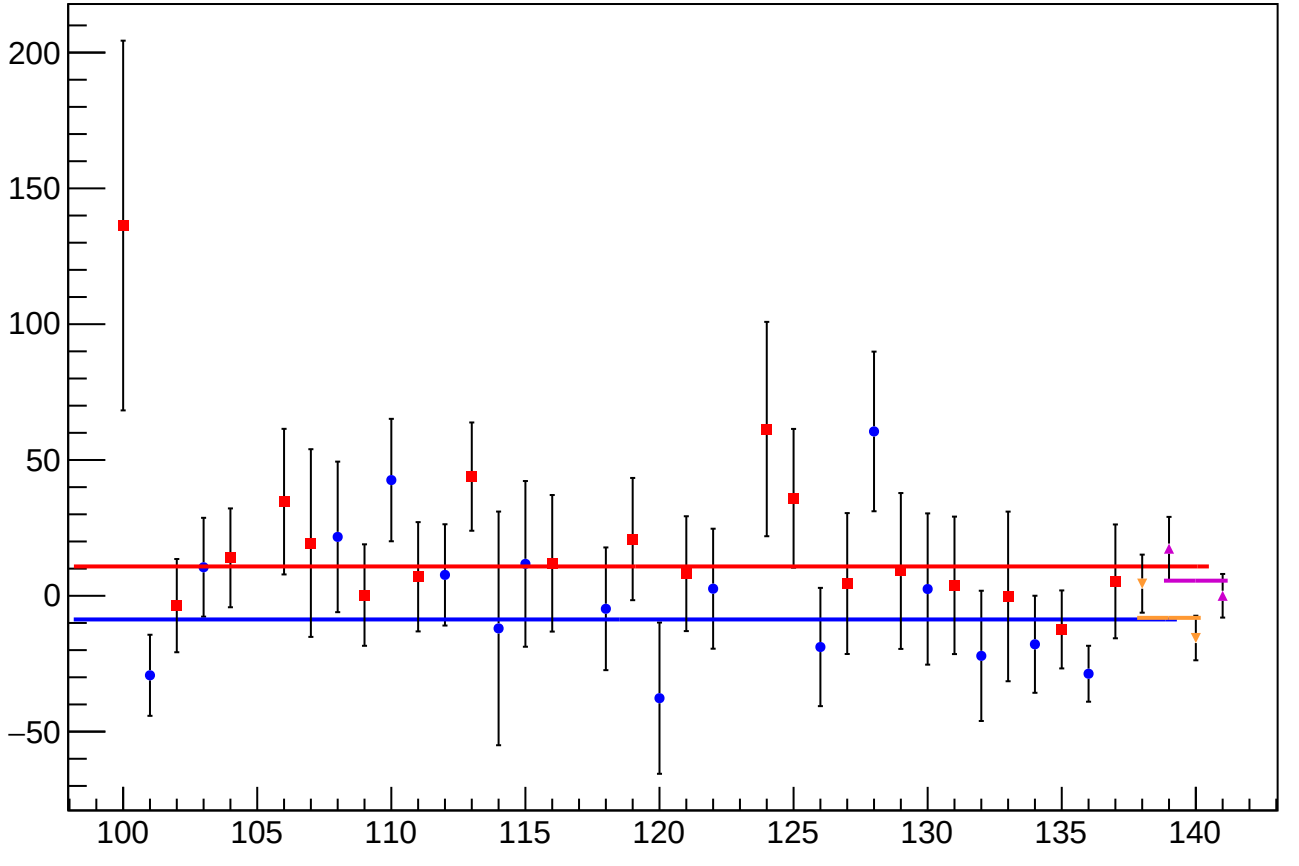
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 454.460+/-0.108 χ^2/NDF:88675.0/17

Out: 456.160+/-0.107 χ^2/NDF:71128.7/20

All: 455.315+/-0.076 χ^2/NDF: 159929.5/38

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -8.120+/-6.508 χ^2/NDF:2.2/1

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 5.570+/-6.620 χ^2/NDF:1.5/1

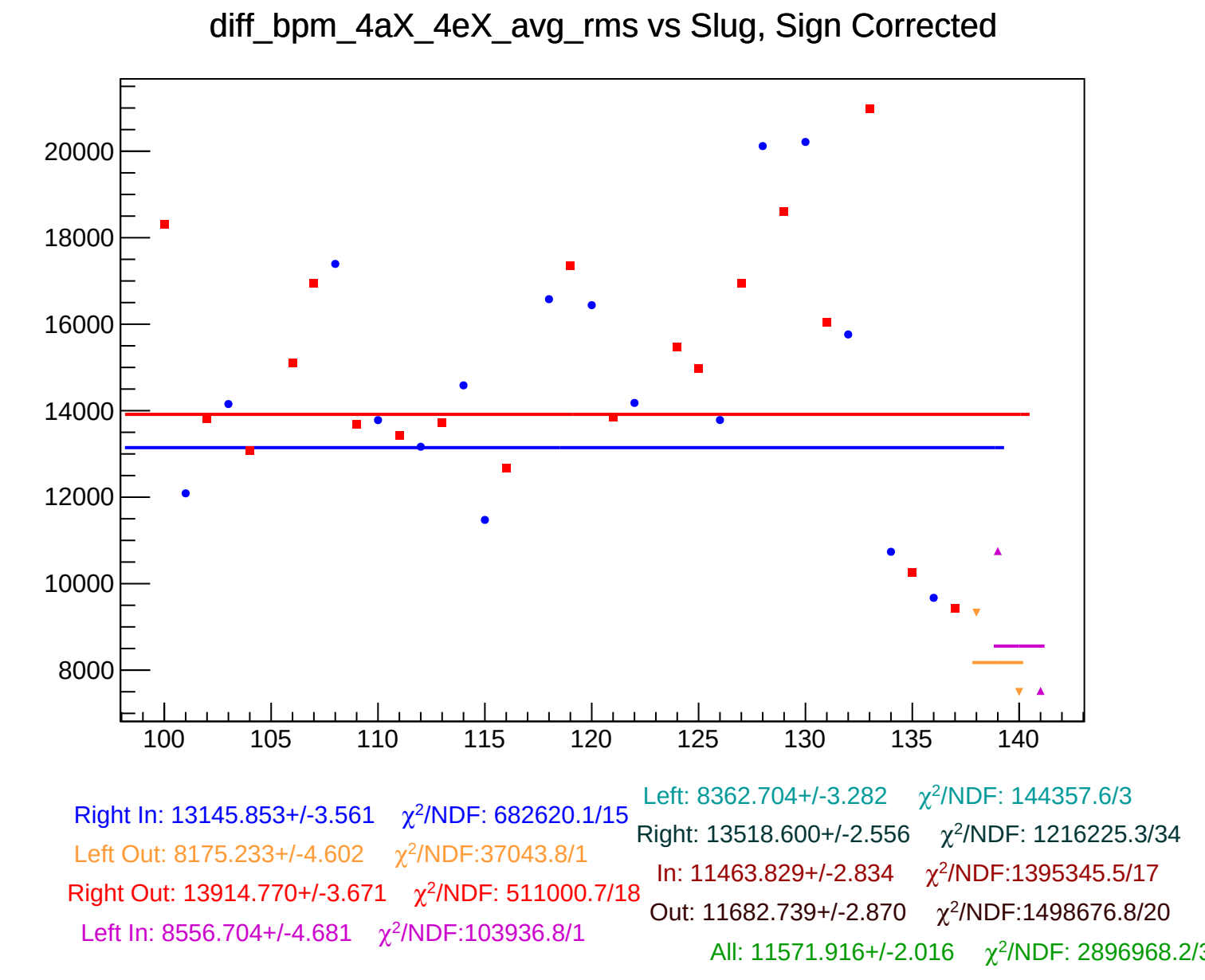
Left: -1.392+/-4.641 χ^2/NDF: 5.9/3

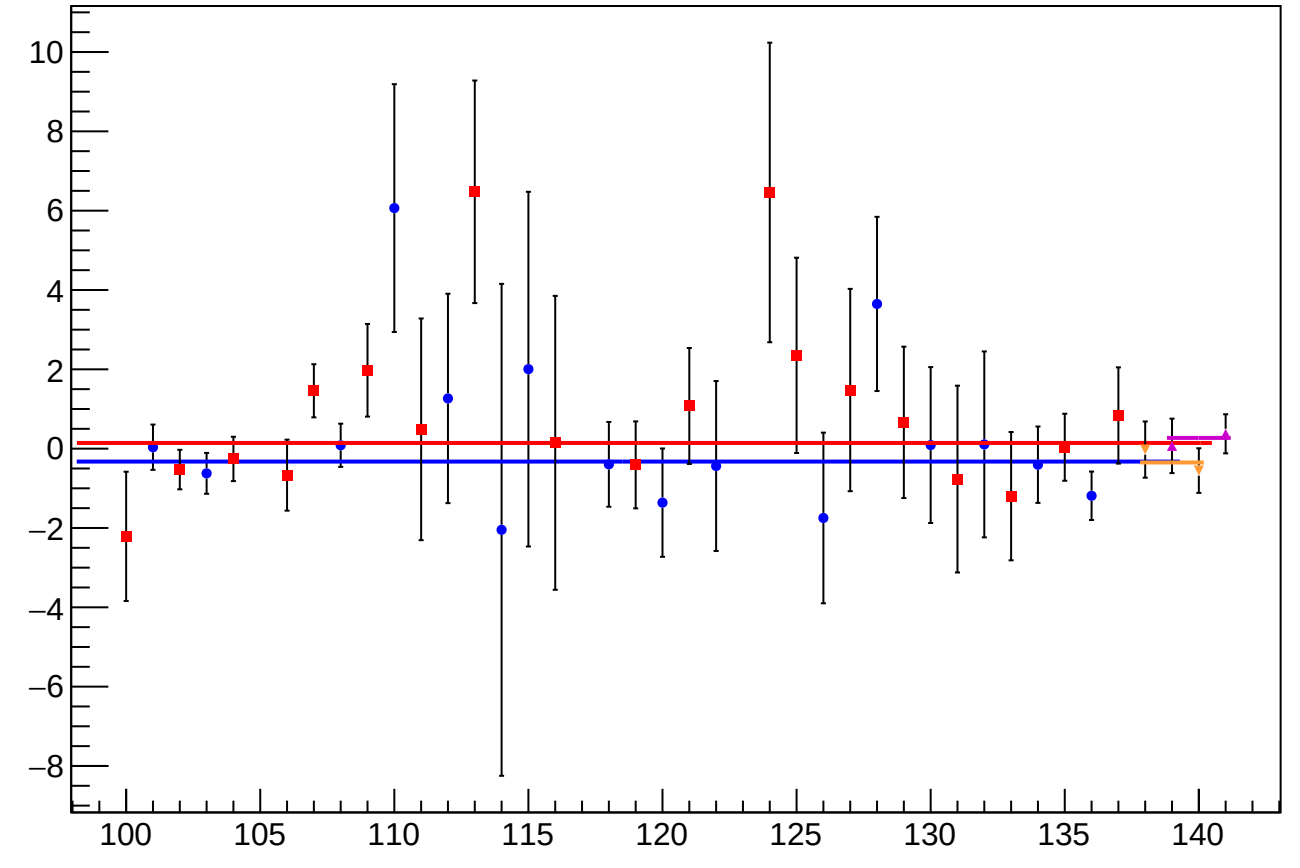
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -3.474+/-4.008 χ^2/NDF:26.7/17

Out: 3.447+/-4.058 χ^2/NDF:21.2/20

All: -0.057+/-2.852 χ^2/NDF: 49.4/38


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8175.233+/-4.602 χ²/NDF:37043.8/1
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8556.704+/-4.681 χ²/NDF:103936.8/1
Left: 8362.704+/-3.282 χ²/NDF: 144357.6/3
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 11463.829+/-2.834 χ²/NDF:1395345.5/17
Out: 11682.739+/-2.870 χ²/NDF:1498676.8/20
All: 11571.916+/-2.016 χ²/NDF: 2896968.2/3



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.348+/-0.441 χ^2/NDF:0.3/1

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.271+/-0.400 χ^2/NDF:0.1/1

Left: -0.009+/-0.296 χ^2/NDF: 1.6/3

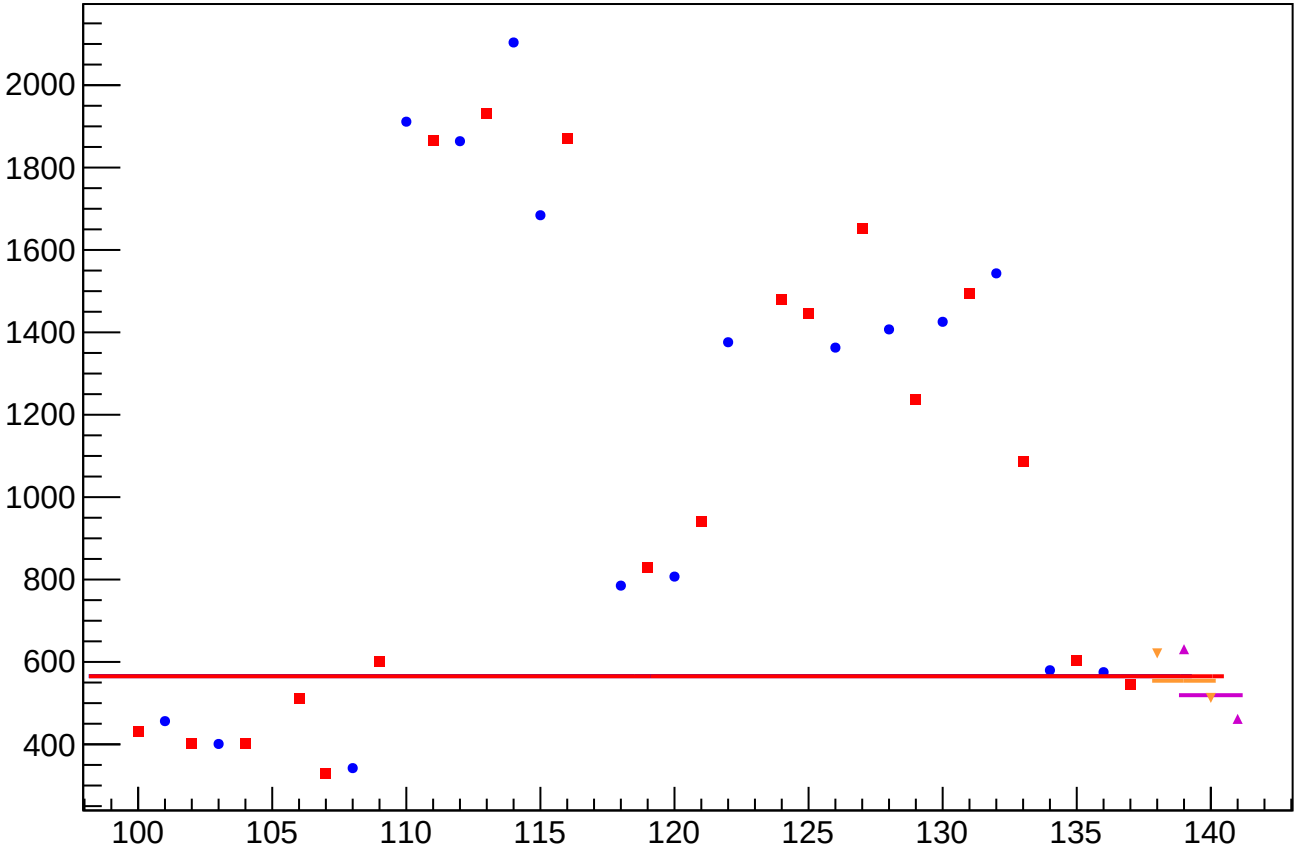
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.164+/-0.208 χ^2/NDF:14.3/17

Out: 0.028+/-0.214 χ^2/NDF:23.8/20

All: -0.070+/-0.149 χ^2/NDF: 38.5/38

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 554.402+/-0.312 χ^2/NDF:28548.5/1

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 519.286+/-0.283 χ^2/NDF:80115.8/1

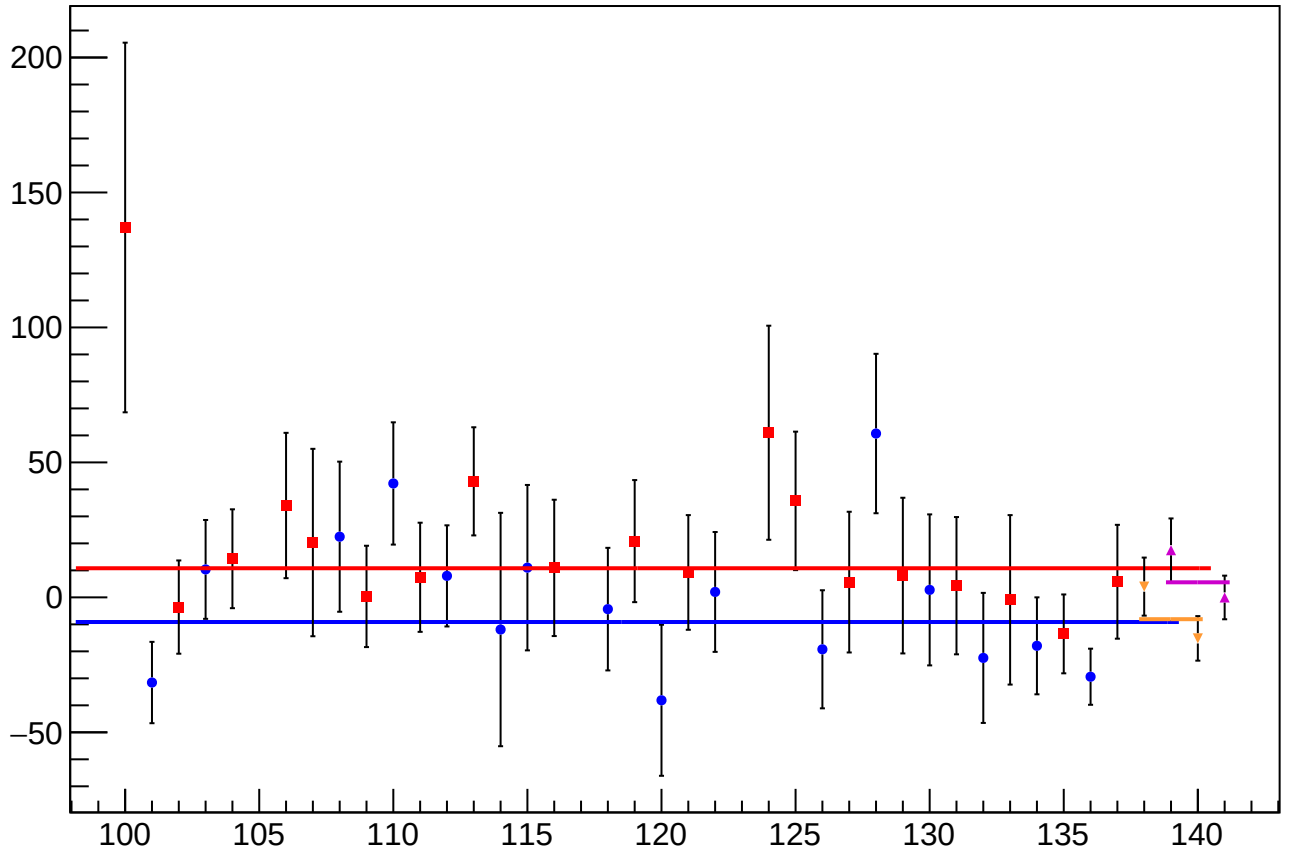
Left: 535.164+/-0.209 χ^2/NDF: 115625.4/3

Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 552.992+/-0.147 χ^2/NDF:3550109.4/17

Out: 562.677+/-0.151 χ^2/NDF:3601091.8/20

All: 557.713+/-0.106 χ^2/NDF: 7153306.9/38



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -8.086+/-6.547 χ^2/NDF:2.0/1

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 5.579+/-6.662 χ^2/NDF:1.5/1

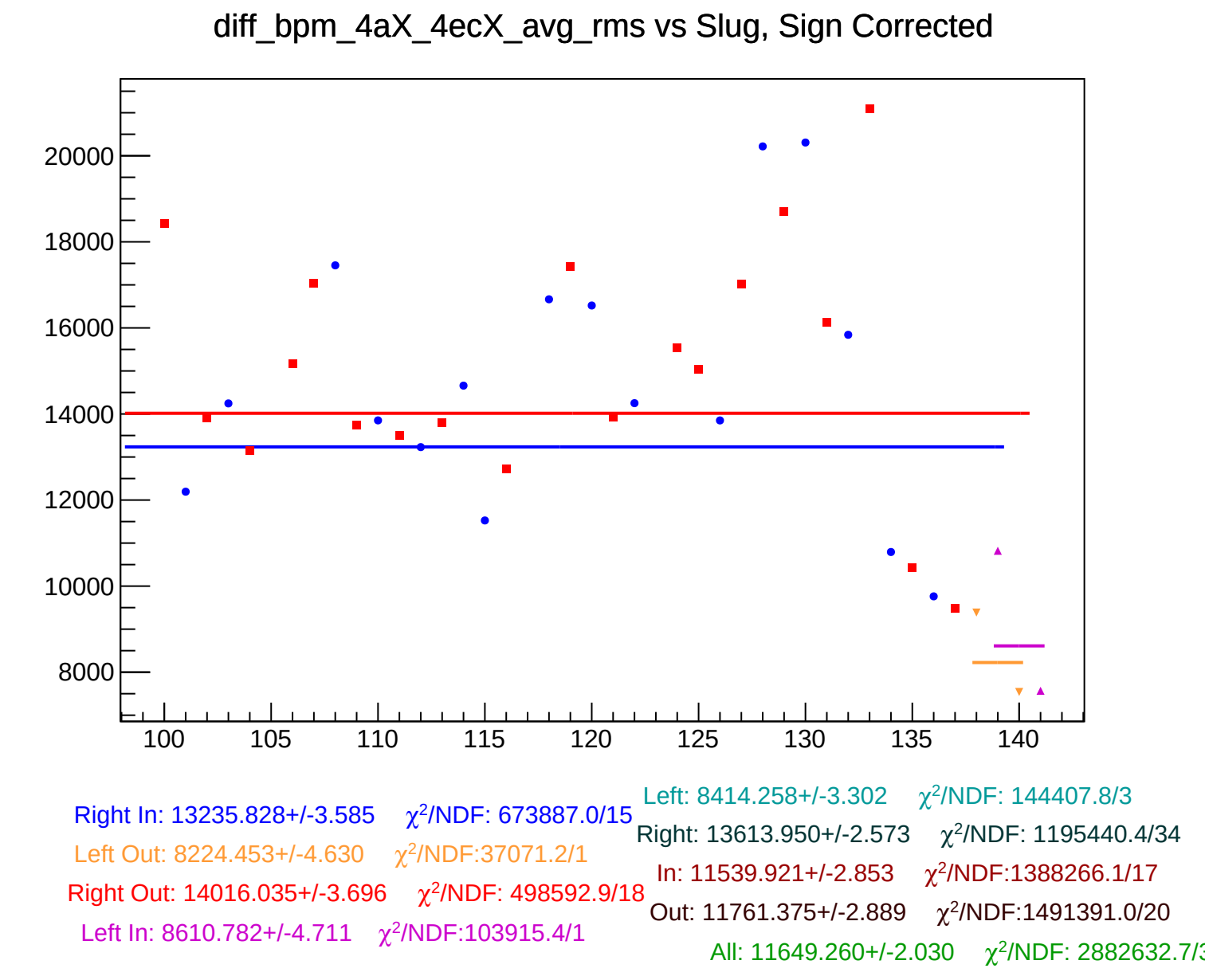
Left: -1.372+/-4.670 χ^2/NDF: 5.6/3

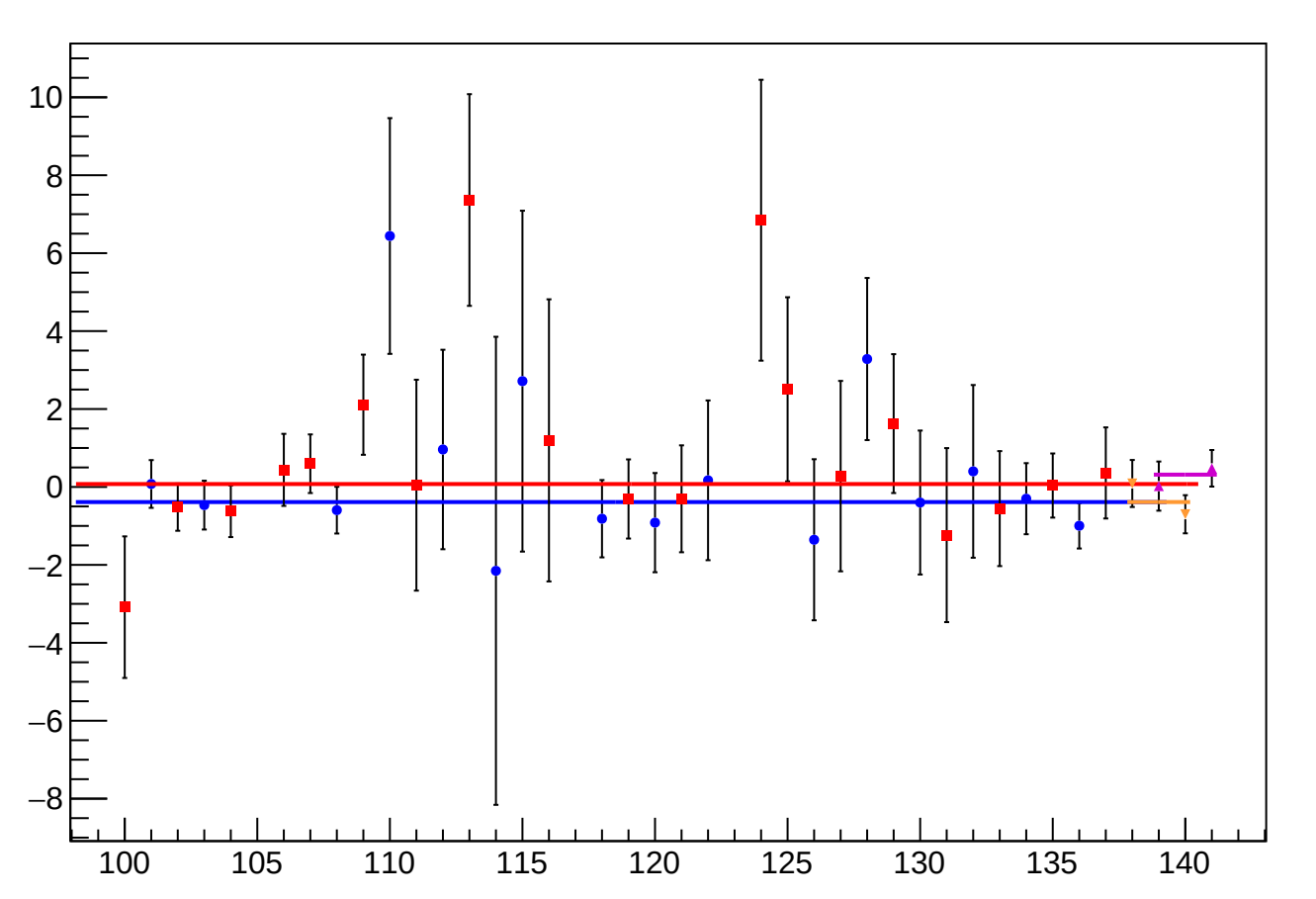
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -3.737+/-4.034 χ^2/NDF:27.3/17

Out: 3.440+/-4.085 χ^2/NDF:20.8/20

All: -0.193+/-2.870 χ^2/NDF: 49.7/38


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8224.453+/-4.630 χ²/NDF:37071.2/1
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8610.782+/-4.711 χ²/NDF:103915.4/1
Left: 8414.258+/-3.302 χ²/NDF: 144407.8/3
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 11539.921+/-2.853 χ²/NDF:1388266.1/17
Out: 11761.375+/-2.889 χ²/NDF:1491391.0/20
All: 11649.260+/-2.030 χ²/NDF: 2882632.7/3



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.387+/-0.380 χ^2/NDF:1.0/1

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.316+/-0.376 χ^2/NDF:0.3/1

Left: -0.032+/-0.267 χ^2/NDF: 3.1/3

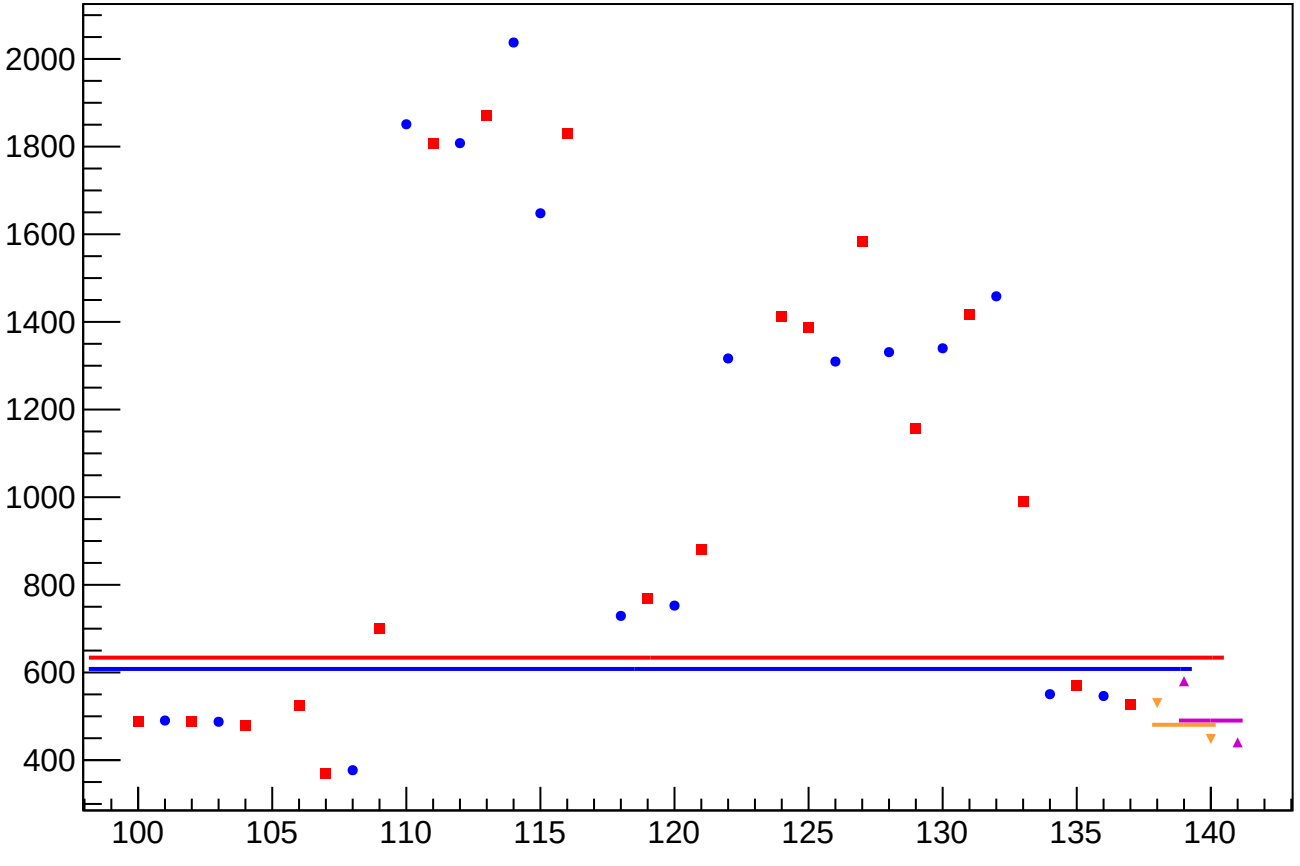
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.165+/-0.212 χ^2/NDF:14.4/17

Out: -0.076+/-0.217 χ^2/NDF:23.7/20

All: -0.122+/-0.152 χ^2/NDF: 38.2/38

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 480.713+/-0.269 χ^2/NDF:22220.0/1

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 490.284+/-0.266 χ^2/NDF:62964.1/1

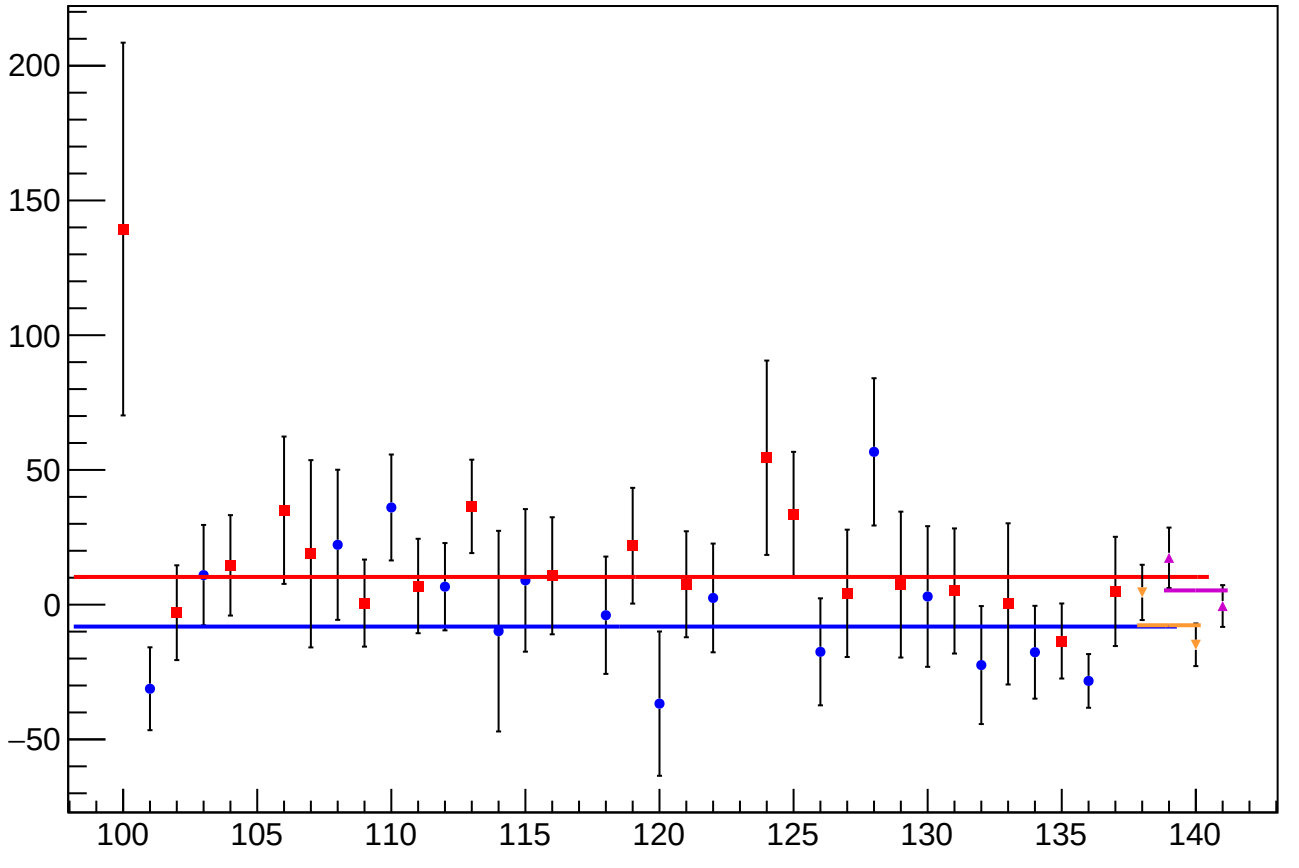
Left: 485.546+/-0.189 χ^2/NDF: 85824.3/3

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 570.867+/-0.150 χ^2/NDF:3049690.2/17

Out: 583.915+/-0.154 χ^2/NDF:3029434.5/20

All: 577.220+/-0.107 χ^2/NDF: 6082830.3/38



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -7.640+/-6.264 χ^2/NDF:2.3/1

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 5.284+/-6.377 χ^2/NDF:1.7/1

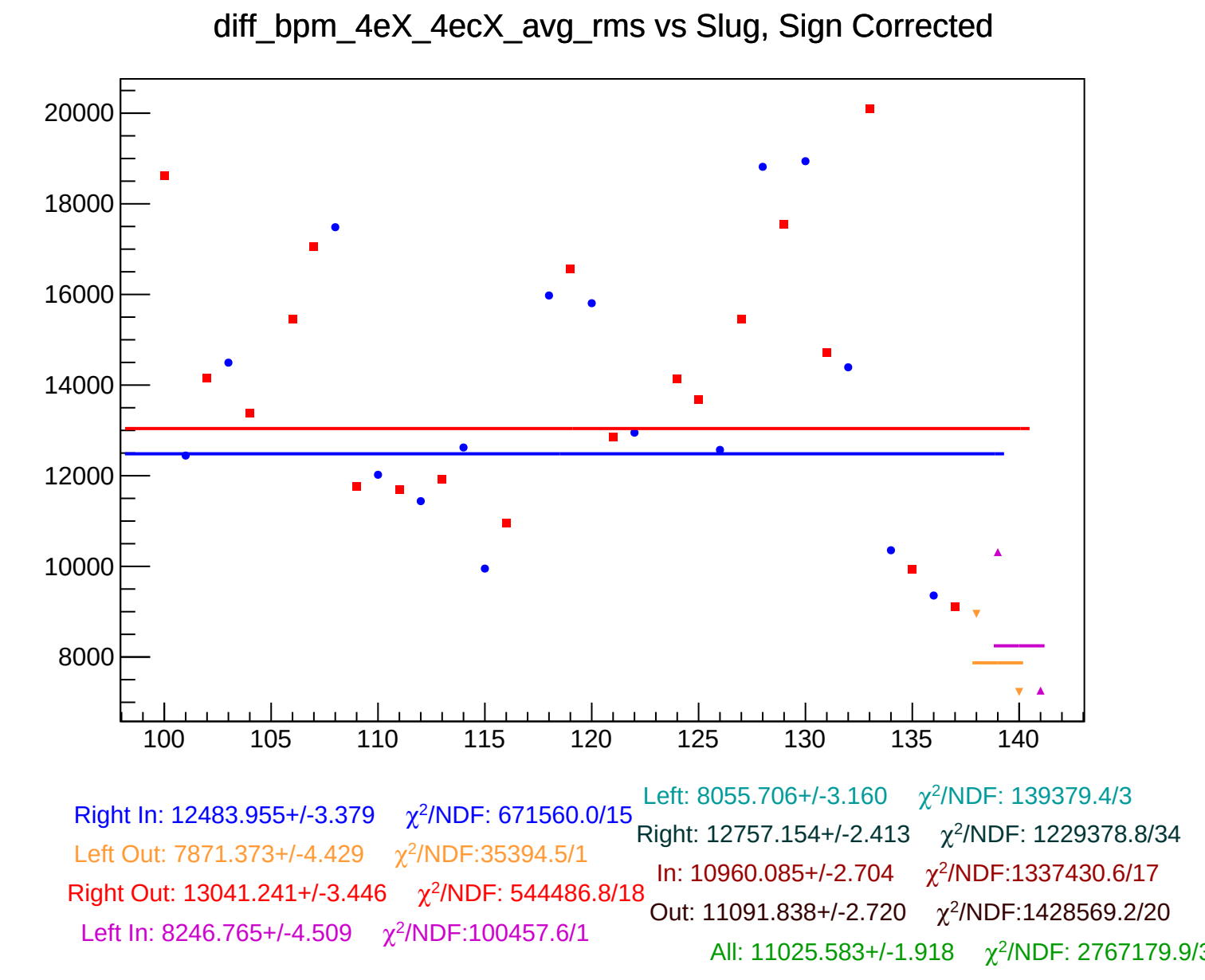
Left: -1.294+/-4.469 χ^2/NDF: 6.1/3

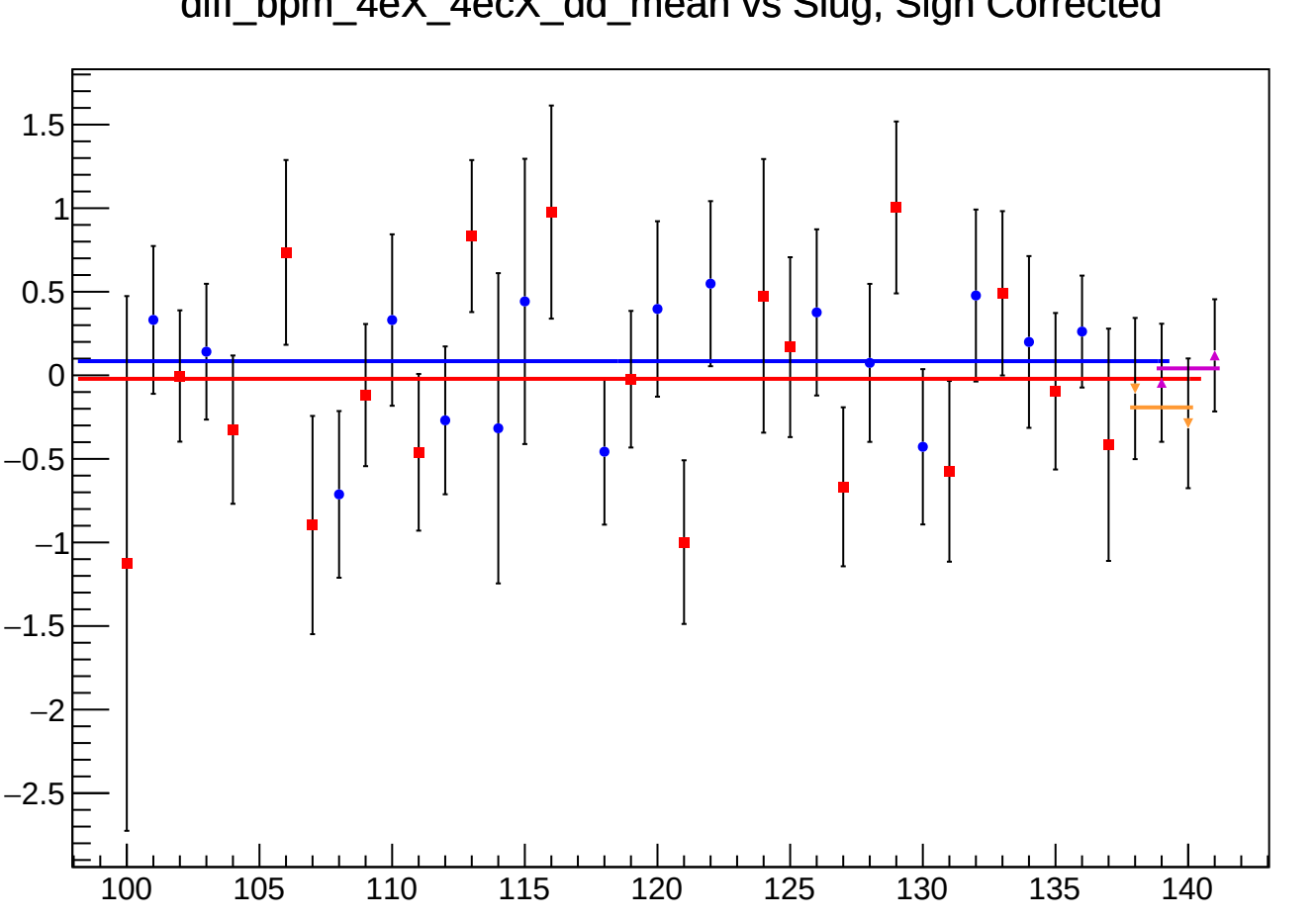
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -3.307+/-3.824 χ^2/NDF:27.7/17

Out: 3.528+/-3.846 χ^2/NDF:21.0/20

All: 0.091+/-2.712 χ^2/NDF: 50.3/38


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 7871.373+/-4.429 χ²/NDF:35394.5/1
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8246.765+/-4.509 χ²/NDF:100457.6/1
Left: 8055.706+/-3.160 χ²/NDF: 139379.4/3
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 10960.085+/-2.704 χ²/NDF:1337430.6/17
Out: 11091.838+/-2.720 χ²/NDF:1428569.2/20
All: 11025.583+/-1.918 χ²/NDF: 2767179.9/3



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: -0.192+/-0.286 χ^2/NDF:0.1/1

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: 0.042+/-0.243 χ^2/NDF:0.1/1

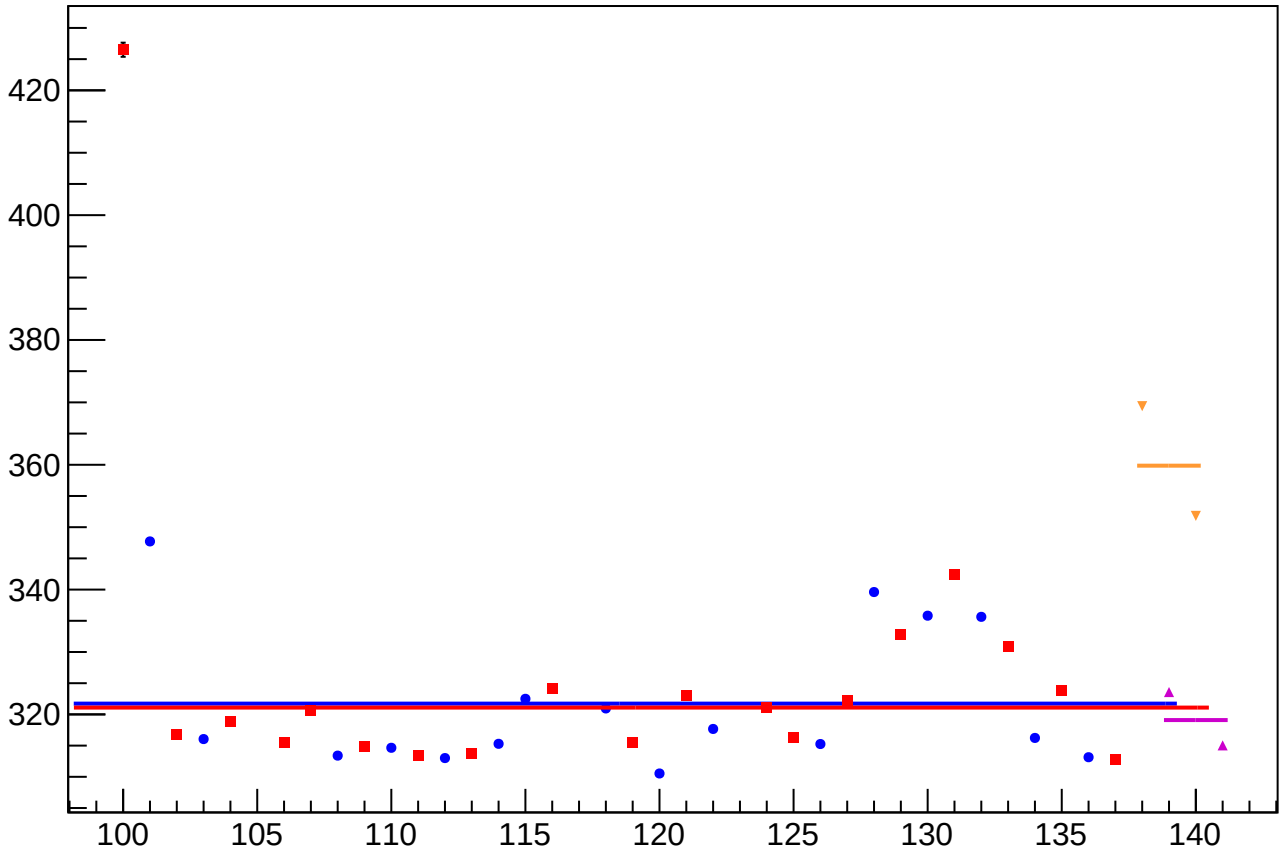
Left: -0.057+/-0.185 χ^2/NDF: 0.6/3

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.076+/-0.108 χ^2/NDF:9.5/17

Out: -0.046+/-0.109 χ^2/NDF:24.7/20

All: 0.016+/-0.077 χ^2/NDF: 34.9/38



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 359.857+/-0.202 χ^2/NDF:1877.9/1

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 319.092+/-0.172 χ^2/NDF:615.0/1

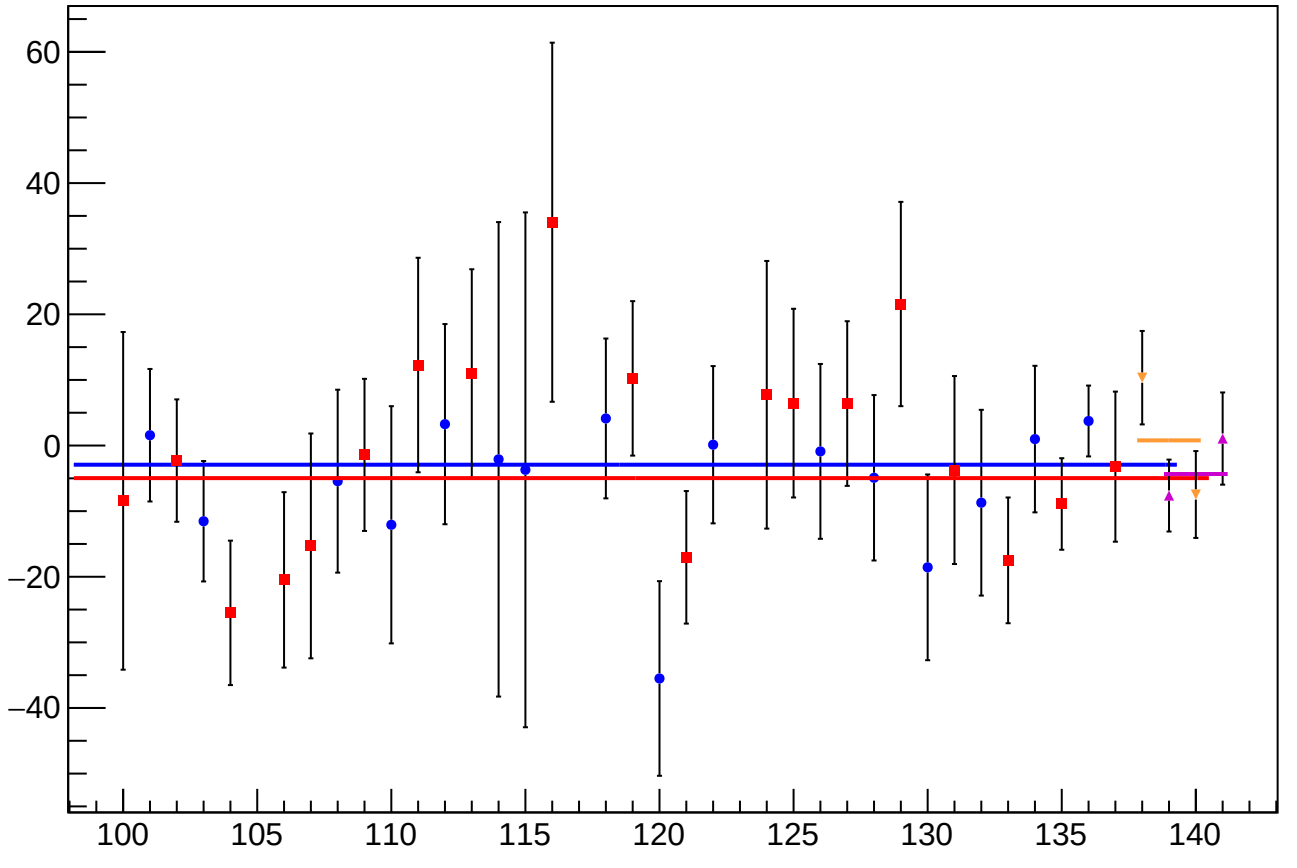
Left: 336.222+/-0.131 χ^2/NDF: 26077.9/3

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 321.211+/-0.076 χ^2/NDF:19018.2/17

Out: 326.696+/-0.077 χ^2/NDF:49924.5/20

All: 323.930+/-0.054 χ^2/NDF: 71512.2/38



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 0.788+/-4.849 χ^2/NDF:3.4/1

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -4.339+/-4.321 χ^2/NDF:1.0/1

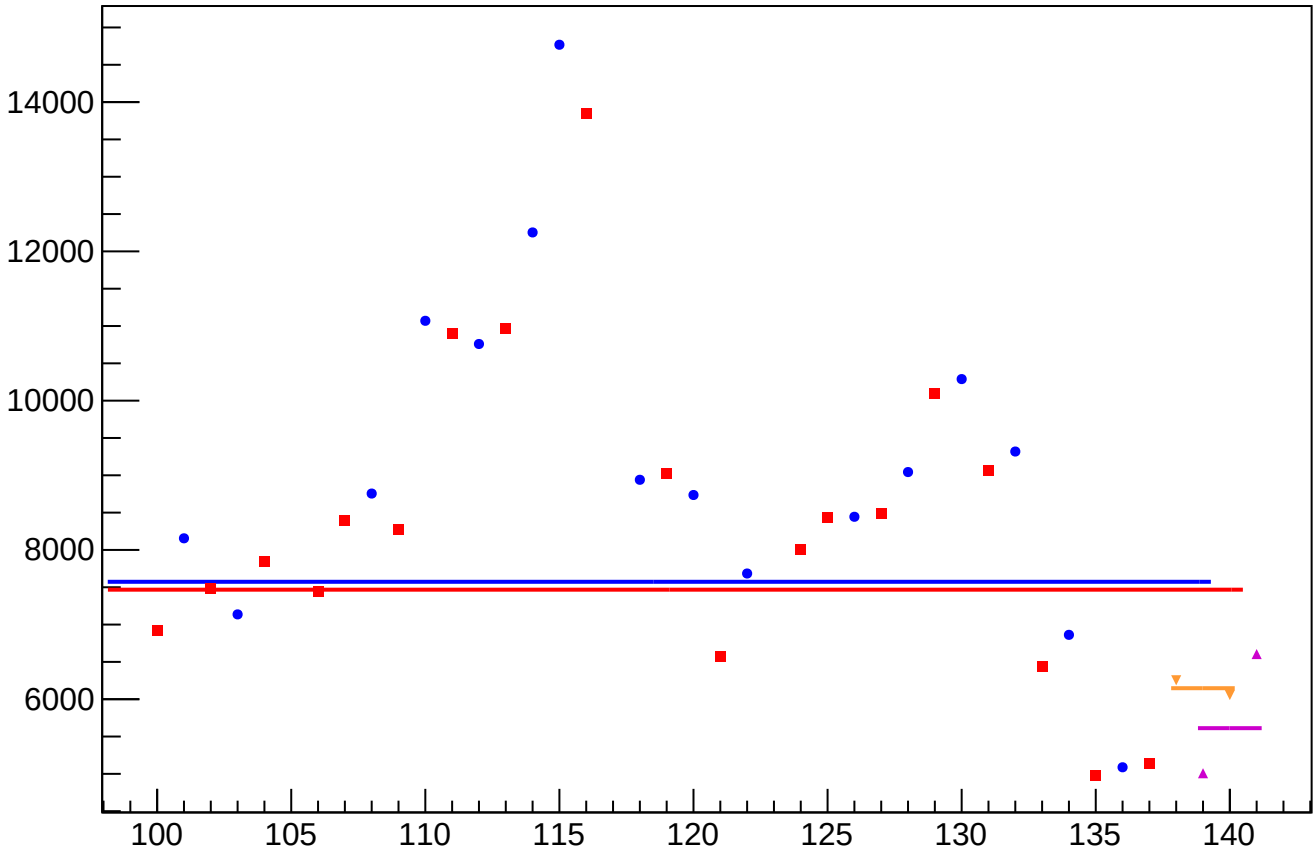
Left: -2.070+/-3.226 χ^2/NDF: 4.9/3

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -3.364+/-2.414 χ^2/NDF:10.9/17

Out: -3.508+/-2.440 χ^2/NDF:23.8/20

All: -3.435+/-1.716 χ^2/NDF: 34.7/38



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6147.477+/-3.428 χ^2/NDF:827.8/1

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 5612.114+/-3.055 χ^2/NDF:64238.3/1

Left: 5849.089+/-2.281 χ^2/NDF: 78656.6/3

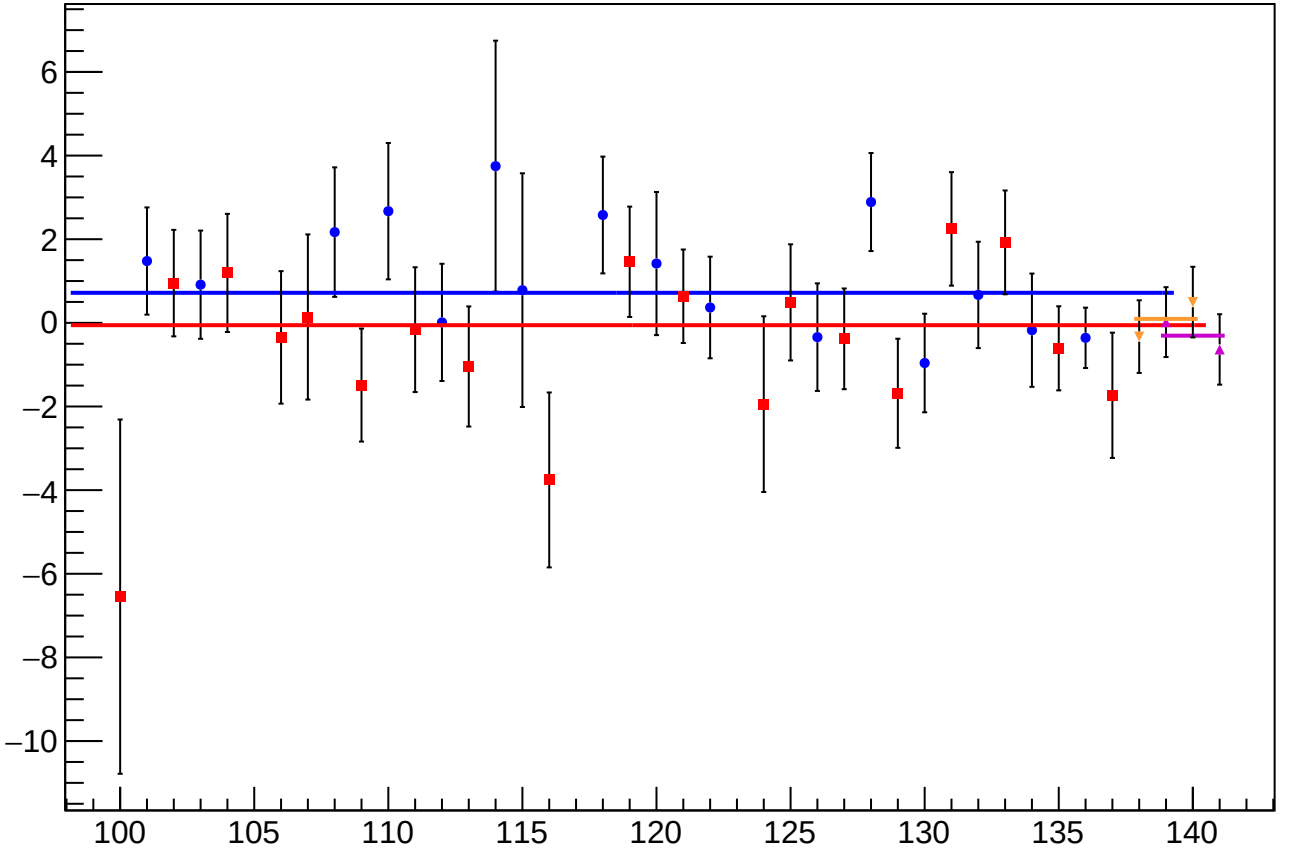
Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6961.151+/-1.707 χ^2/NDF:1245224.9/17

Out: 7133.117+/-1.726 χ^2/NDF:939868.5/20

All: 7046.199+/-1.213 χ^2/NDF: 2190113.6/38

diff_bpm_4aY_4acY_dd_mean vs Slug, Sign Corrected



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.095+/-0.606 χ^2/NDF:0.5/1

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.306+/-0.593 χ^2/NDF:0.3/1

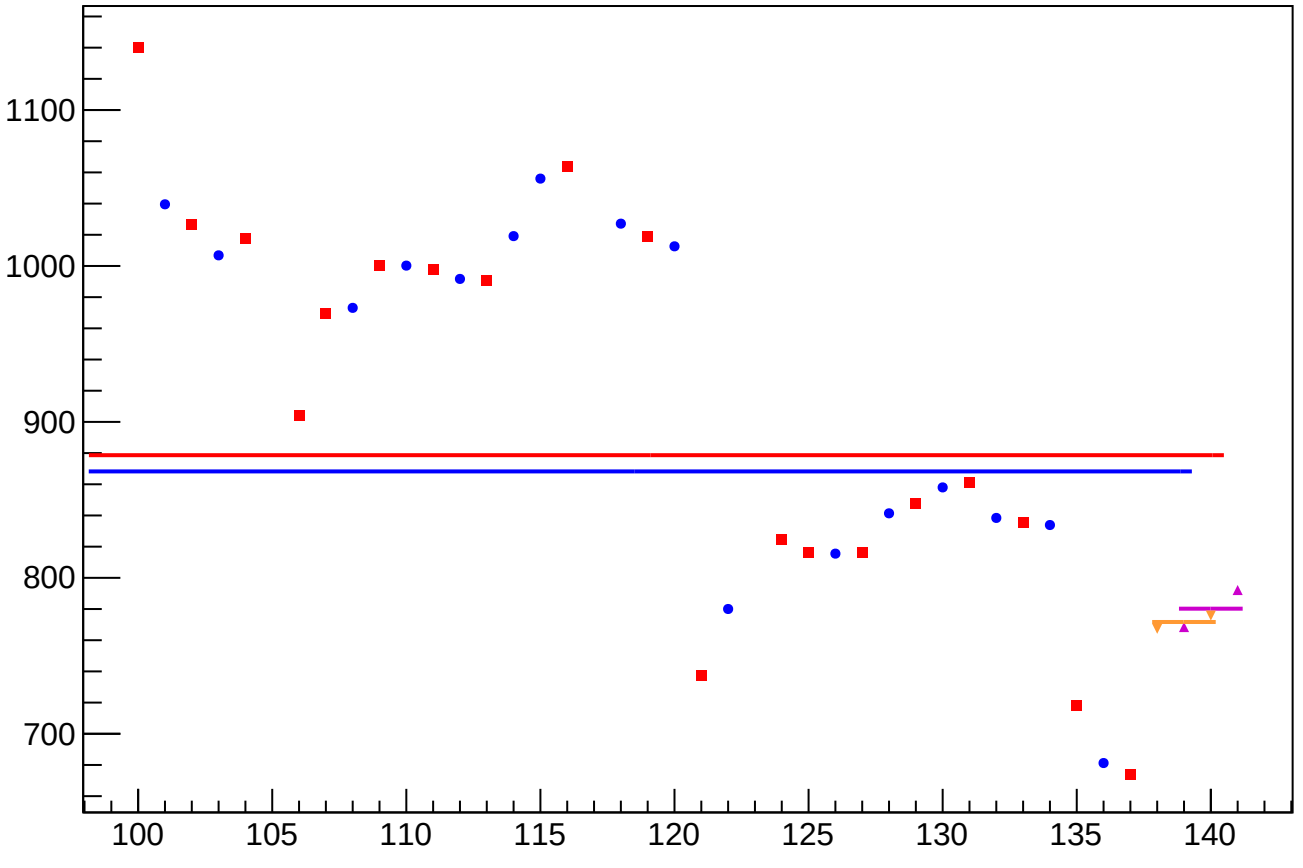
Left: -0.110+/-0.424 χ^2/NDF: 1.0/3

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.481+/-0.286 χ^2/NDF:17.4/17

Out: -0.022+/-0.285 χ^2/NDF:20.3/20

All: 0.229+/-0.202 χ^2/NDF: 39.3/38



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 771.690+/-0.428 χ^2/NDF:98.0/1

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 780.223+/-0.419 χ^2/NDF:801.8/1

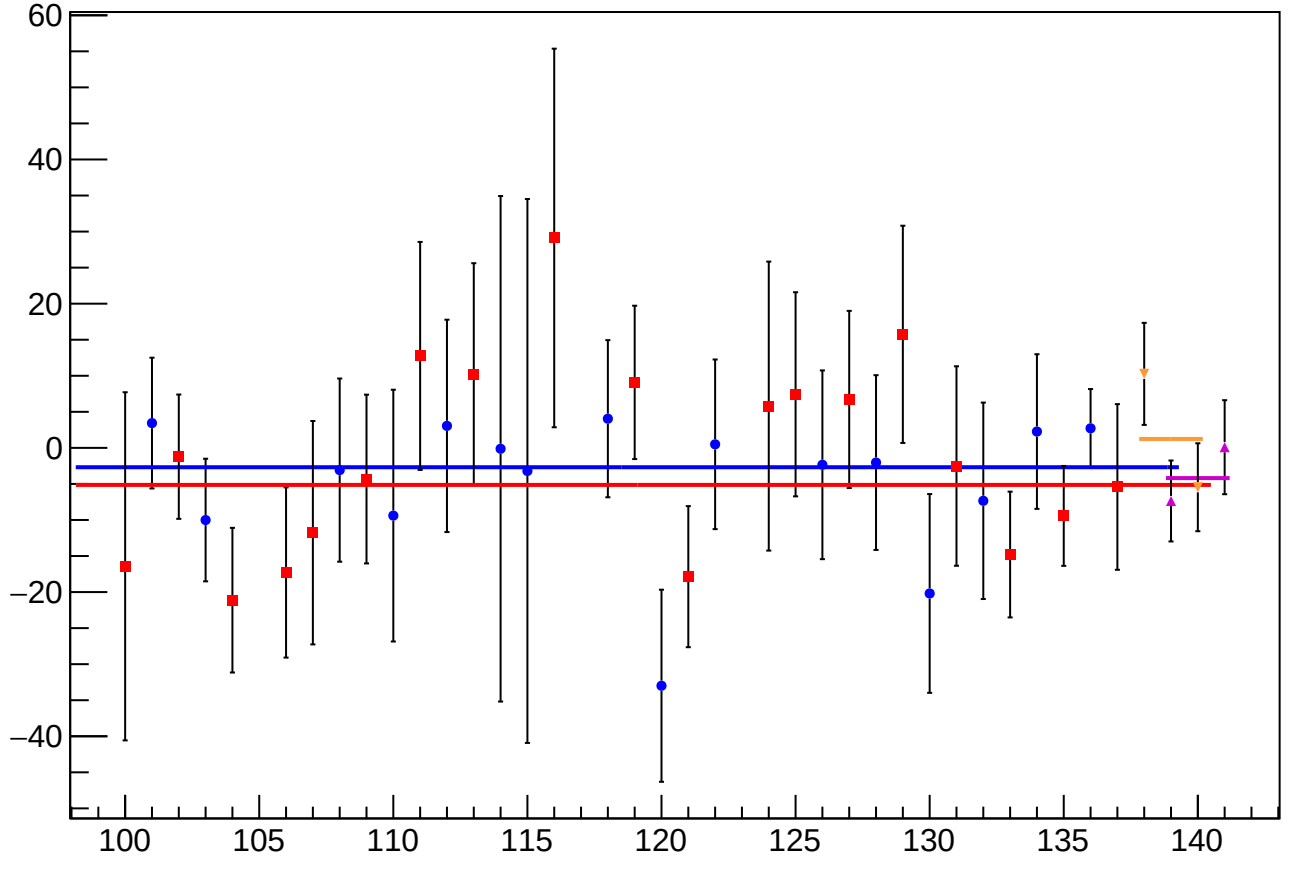
Left: 776.047+/-0.300 χ^2/NDF: 1102.6/3

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 847.828+/-0.202 χ^2/NDF:337063.4/17

Out: 854.929+/-0.202 χ^2/NDF:321177.7/20

All: 851.383+/-0.143 χ^2/NDF: 658860.2/38



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 1.239+/-4.620 χ^2/NDF:2.8/1

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -4.190+/-4.254 χ^2/NDF:0.8/1

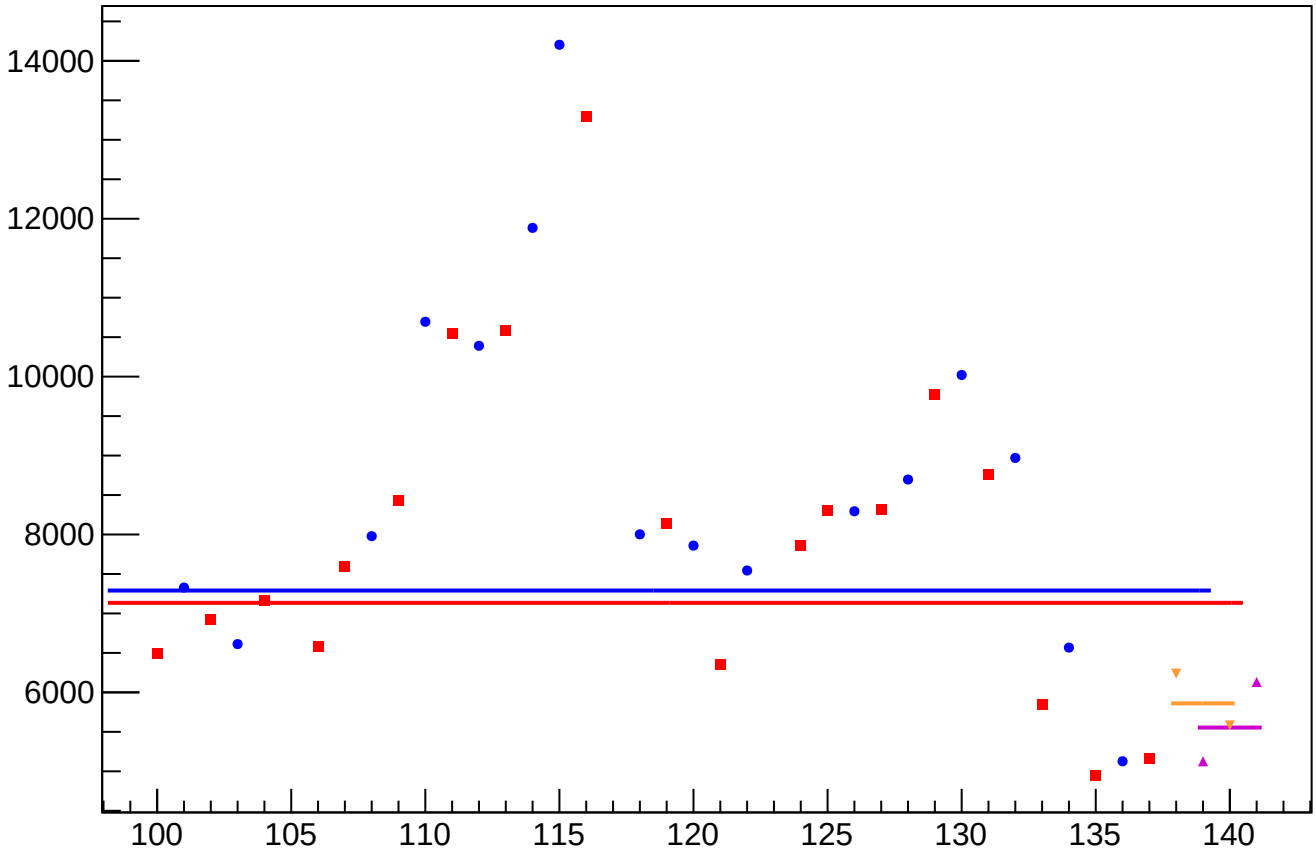
Left: -1.699+/-3.130 χ^2/NDF: 4.3/3

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -3.136+/-2.332 χ^2/NDF:10.9/17

Out: -3.520+/-2.326 χ^2/NDF:21.5/20

All: -3.329+/-1.647 χ^2/NDF: 32.4/38



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 5860.704+/-3.267 χ^2/NDF:9856.0/1

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 5554.404+/-3.008 χ^2/NDF:27243.2/1

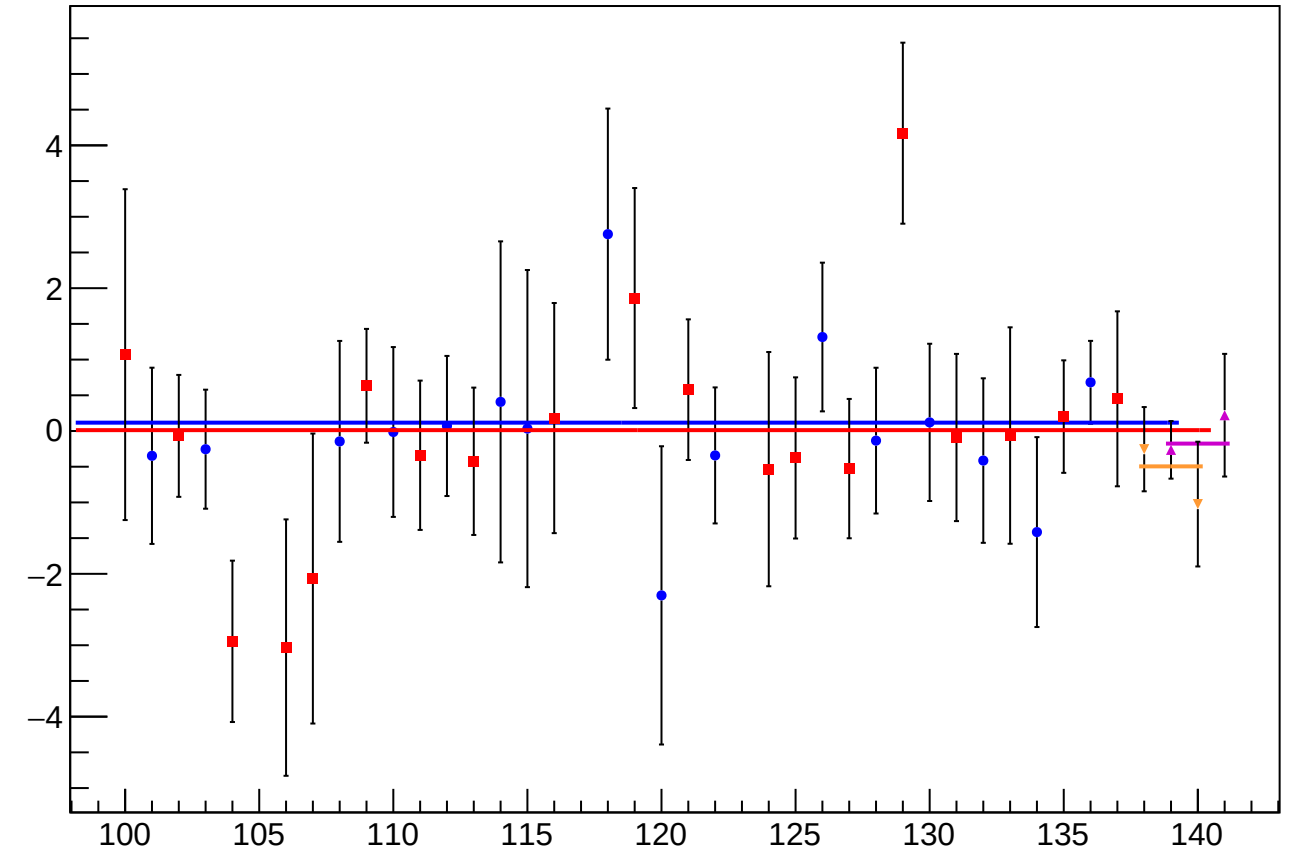
Left: 5694.960+/-2.213 χ^2/NDF: 41856.5/3

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6768.695+/-1.649 χ^2/NDF:1030674.6/17

Out: 6811.571+/-1.645 χ^2/NDF:916135.6/20

All: 6790.189+/-1.164 χ^2/NDF: 1947149.1/38



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.495+/-0.489 χ^2/NDF:0.5/1

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.176+/-0.365 χ^2/NDF:0.3/1

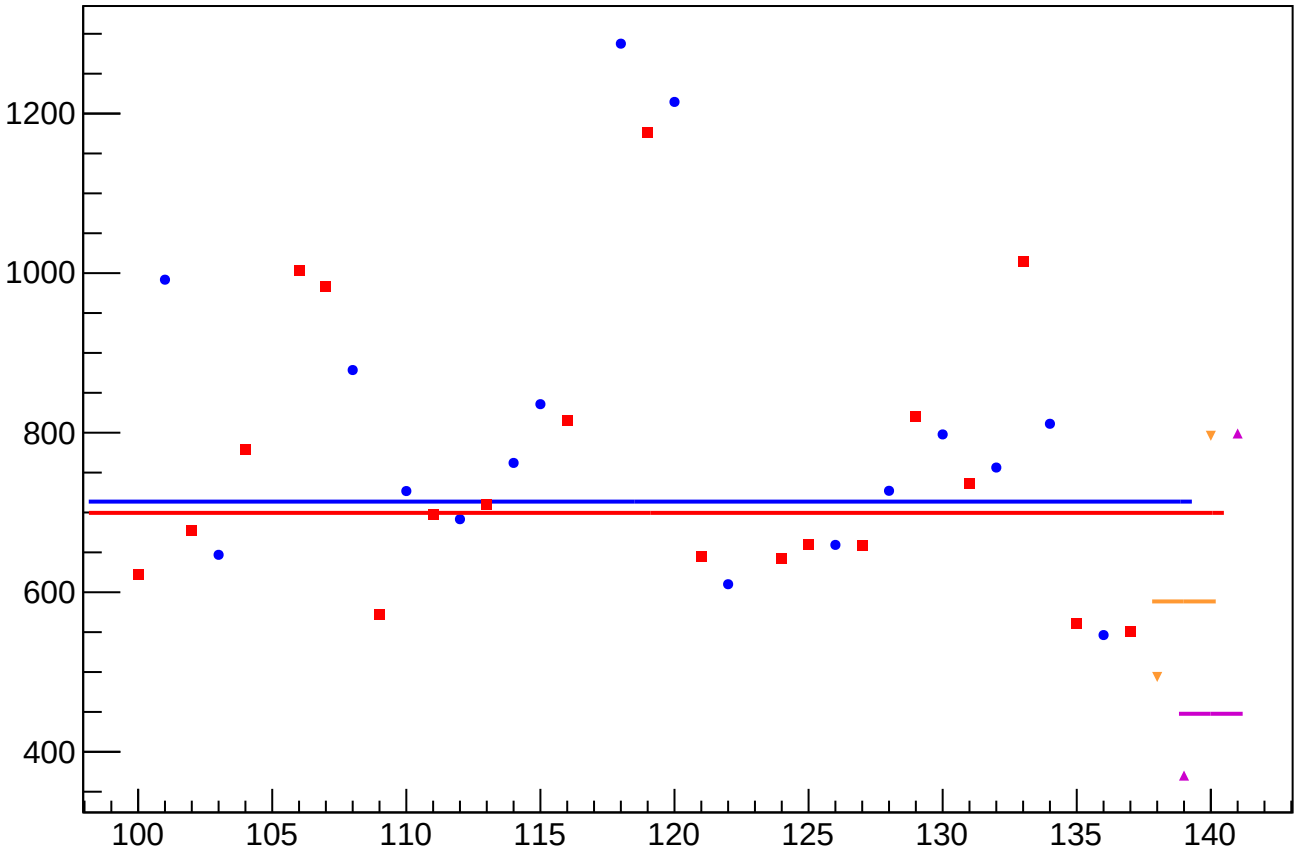
Left: -0.291+/-0.292 χ^2/NDF: 1.1/3

Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.012+/-0.219 χ^2/NDF:8.8/17

Out: -0.102+/-0.232 χ^2/NDF:26.5/20

All: -0.042+/-0.159 χ^2/NDF: 35.5/38



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 588.502+/-0.346 χ^2/NDF:164492.0/1

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 447.682+/-0.258 χ^2/NDF:408474.3/1

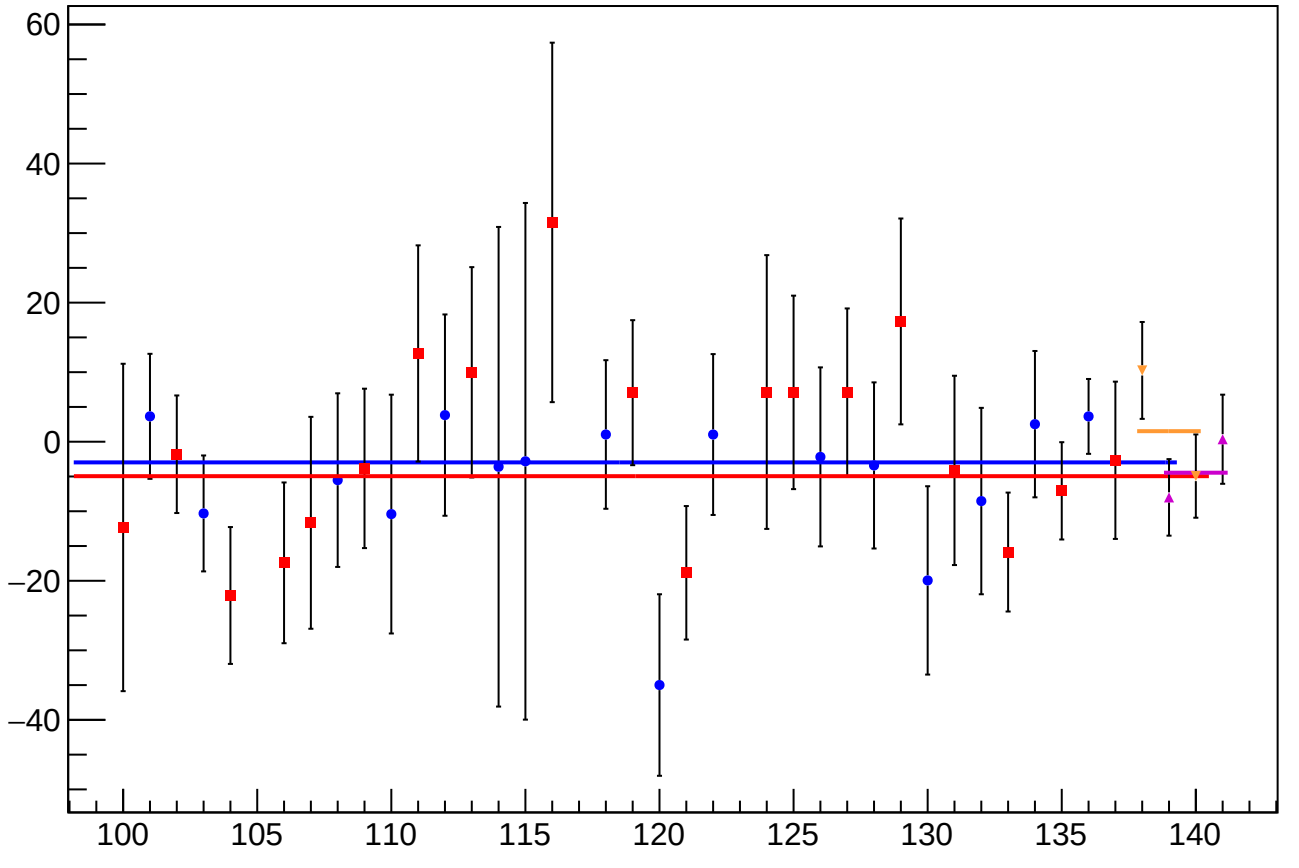
Left: 498.090+/-0.207 χ^2/NDF: 679511.8/3

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 618.161+/-0.155 χ^2/NDF:1788282.2/17

Out: 674.558+/-0.164 χ^2/NDF:820188.1/20

All: 644.727+/-0.112 χ^2/NDF: 2671116.8/38



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 1.515+/-4.542 χ^2/NDF:2.7/1

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -4.456+/-4.176 χ^2/NDF:1.0/1

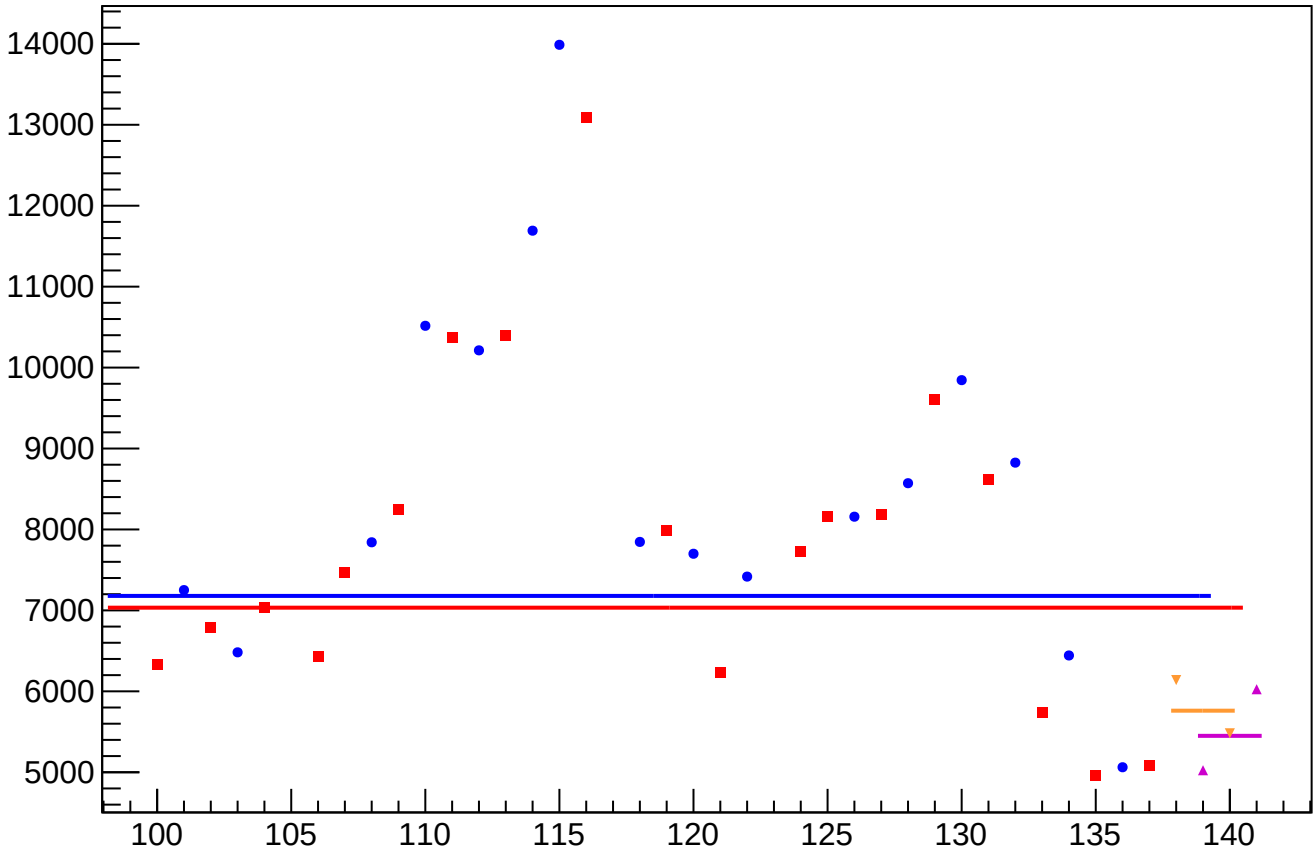
Left: -1.721+/-3.074 χ^2/NDF: 4.7/3

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -3.421+/-2.294 χ^2/NDF:12.6/17

Out: -3.309+/-2.291 χ^2/NDF:22.7/20

All: -3.365+/-1.621 χ^2/NDF: 35.4/38



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 5760.838+/-3.212 χ^2/NDF:10256.5/1

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 5449.987+/-2.953 χ^2/NDF:28074.6/1

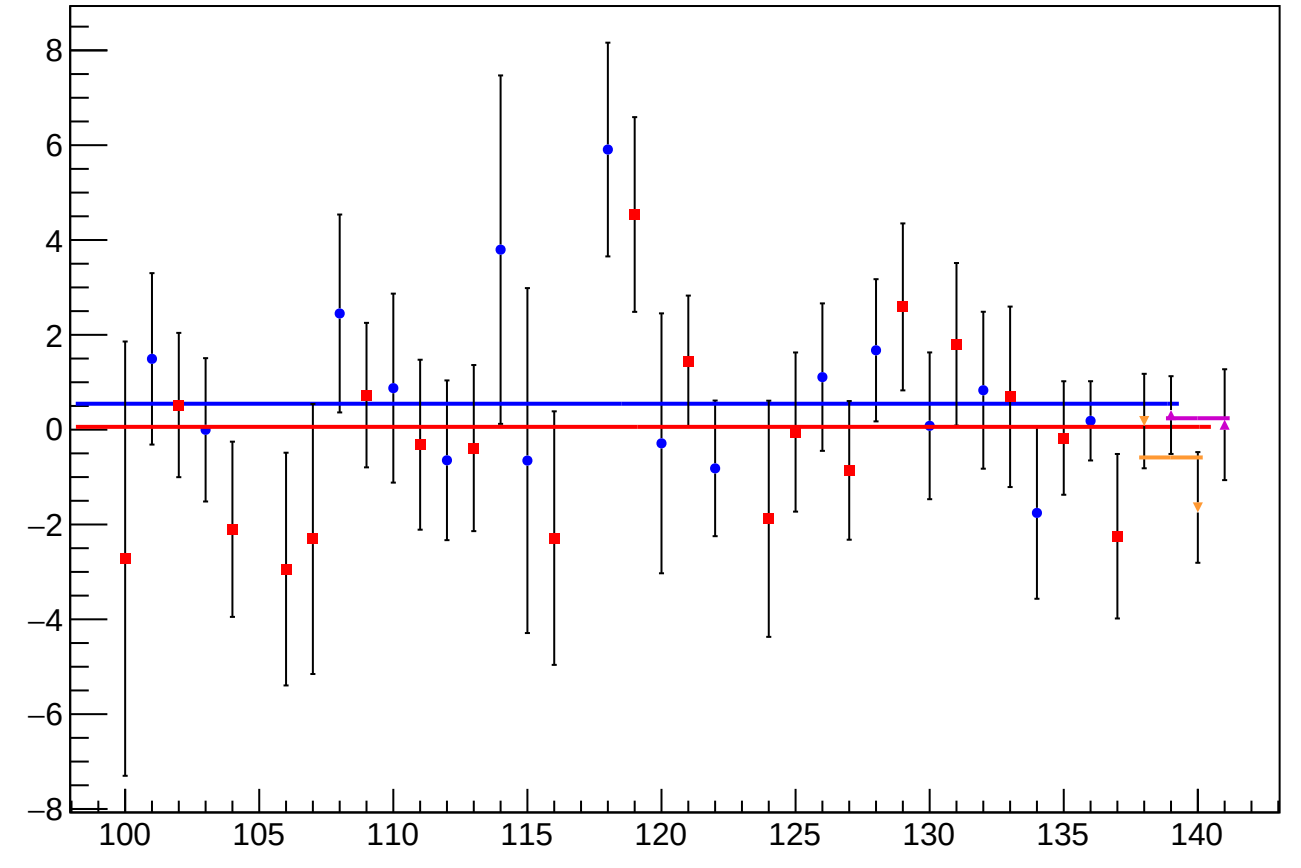
Left: 5592.375+/-2.174 χ^2/NDF: 43408.3/3

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6656.930+/-1.622 χ^2/NDF:1029375.0/17

Out: 6709.728+/-1.620 χ^2/NDF:893732.5/20

All: 6683.368+/-1.146 χ^2/NDF: 1923637.8/38



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.586+/-0.758 χ^2/NDF:1.4/1

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.241+/-0.671 χ^2/NDF:0.0/1

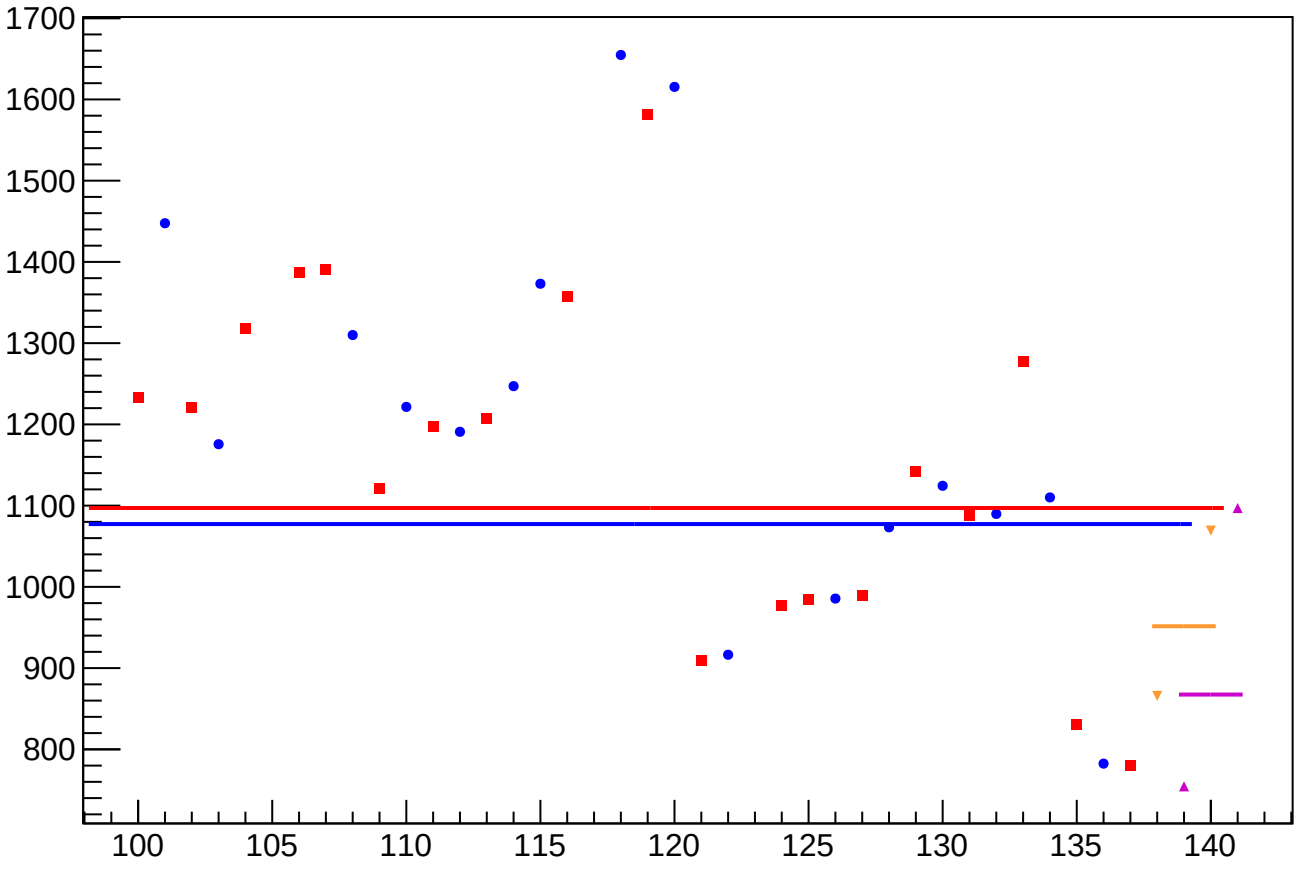
Left: -0.123+/-0.503 χ^2/NDF: 2.1/3

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.464+/-0.350 χ^2/NDF:12.1/17

Out: -0.086+/-0.360 χ^2/NDF:18.8/20

All: 0.196+/-0.251 χ^2/NDF: 32.1/38



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 951.545+/-0.536 χ^2/NDF:35170.1/1

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 867.432+/-0.475 χ^2/NDF:115075.0/1

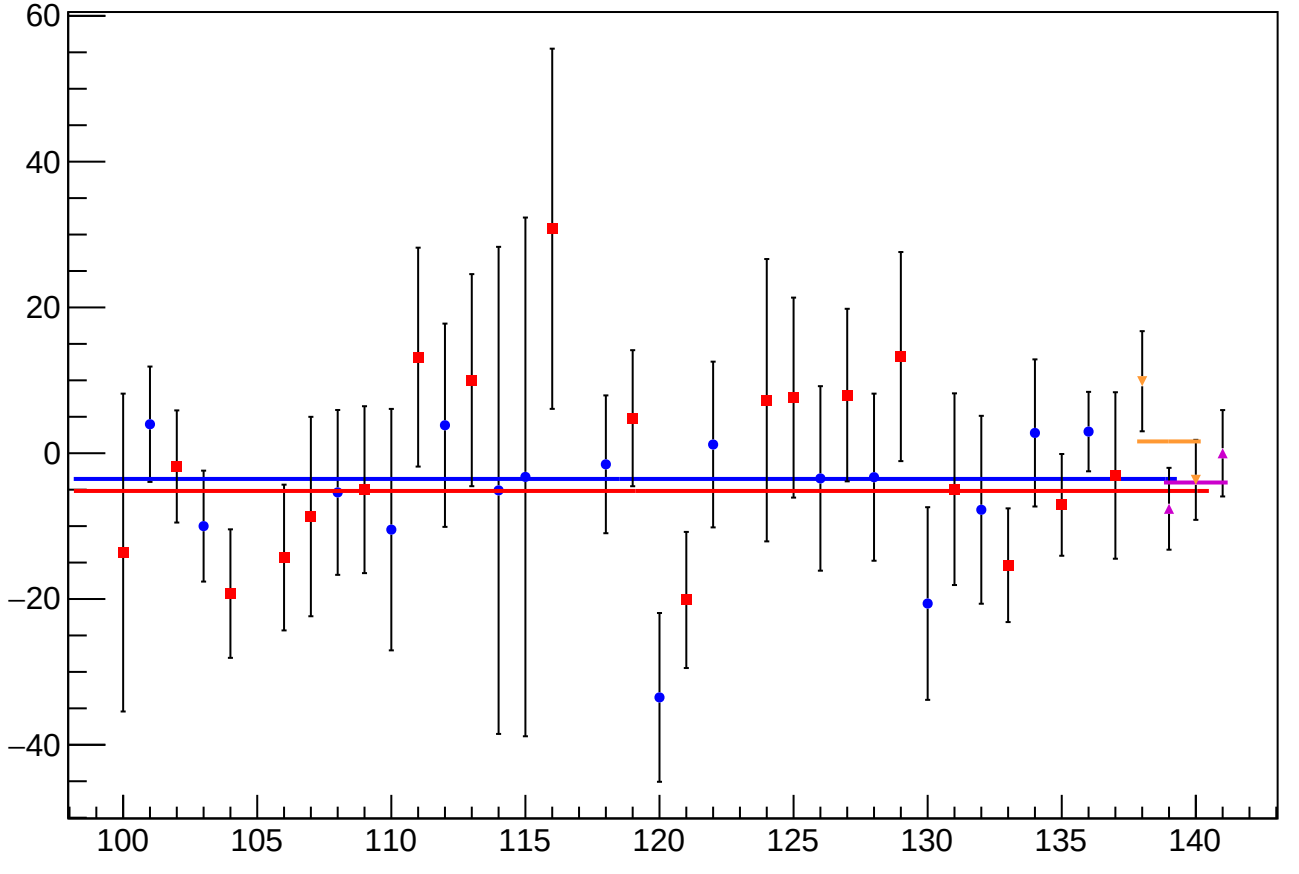
Left: 904.420+/-0.355 χ^2/NDF: 164049.8/3

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1020.118+/-0.248 χ^2/NDF:903784.8/17

Out: 1064.291+/-0.254 χ^2/NDF:576696.0/20

All: 1041.622+/-0.178 χ^2/NDF: 1495948.8/38



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 1.618+/-4.287 χ^2/NDF:2.4/1

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -4.018+/-4.076 χ^2/NDF:0.9/1

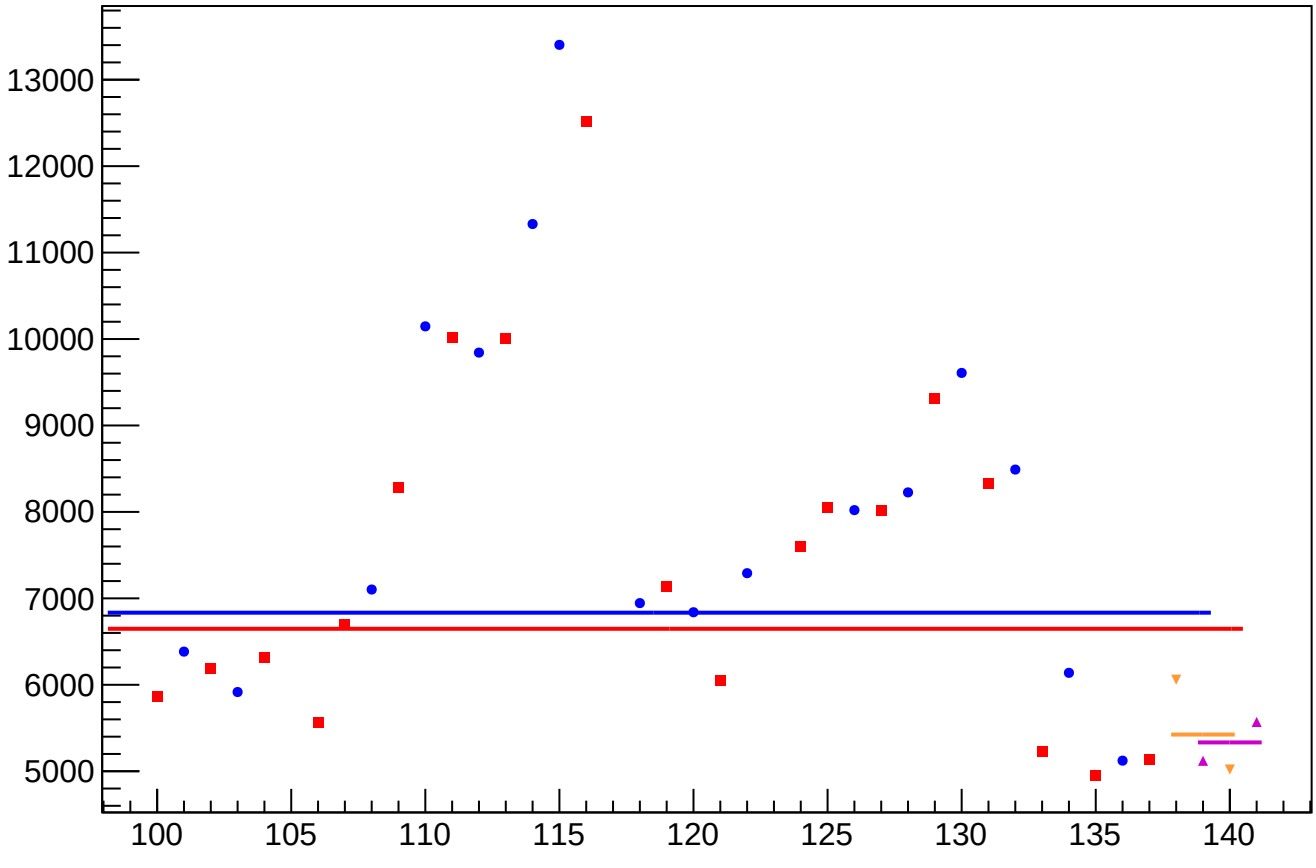
Left: -1.342+/-2.954 χ^2/NDF: 4.1/3

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -3.670+/-2.197 χ^2/NDF:13.5/17

Out: -3.444+/-2.165 χ^2/NDF:22.4/20

All: -3.555+/-1.542 χ^2/NDF: 35.9/38



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5424.624+/-3.032 χ^2/NDF:27935.2/1

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5333.381+/-2.882 χ^2/NDF:6049.9/1

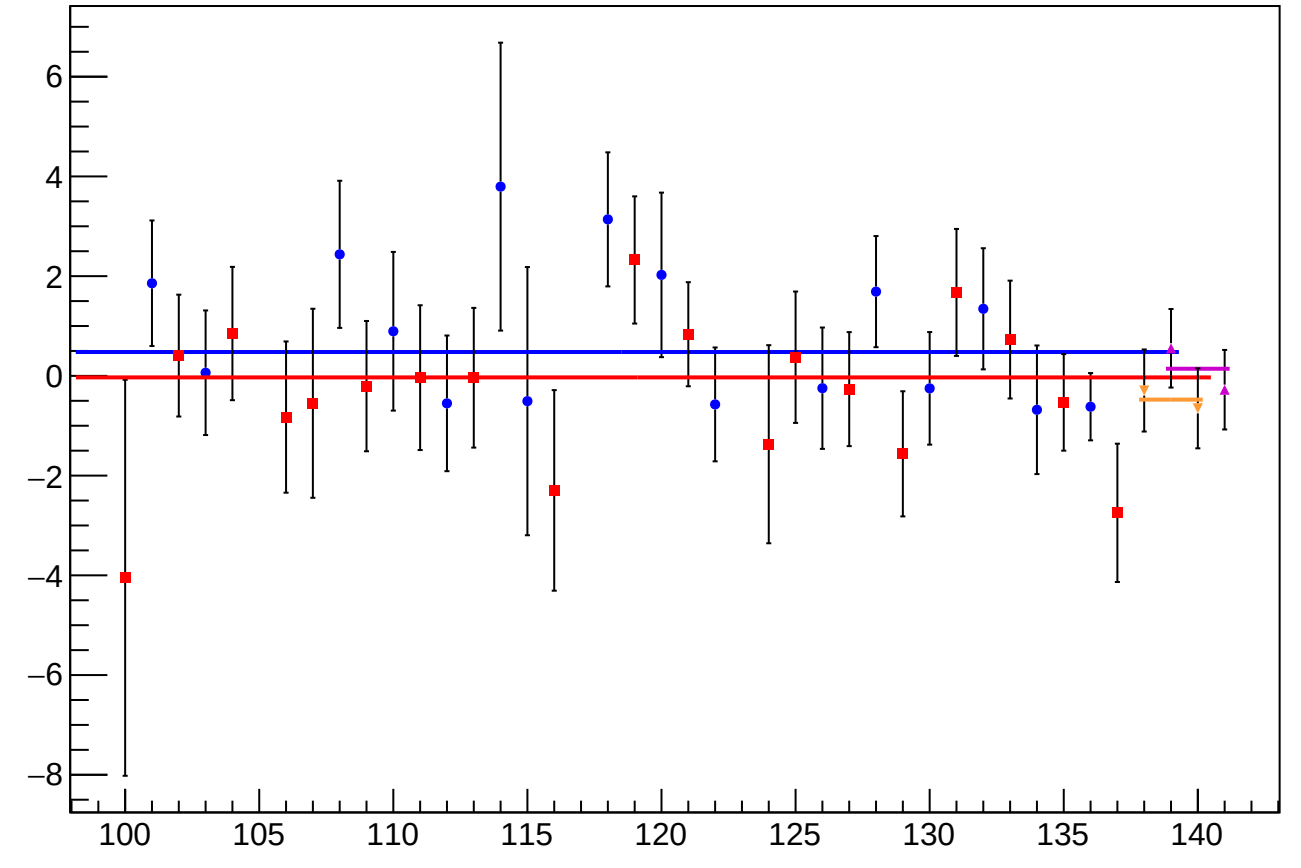
Left: 5376.694+/-2.089 χ^2/NDF: 34460.9/3

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6398.254+/-1.553 χ^2/NDF:891220.2/17

Out: 6336.097+/-1.531 χ^2/NDF:934366.5/20

All: 6366.719+/-1.090 χ^2/NDF: 1826399.0/38



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.476+/-0.575 χ^2/NDF:0.1/1

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: 0.143+/-0.560 χ^2/NDF:0.5/1

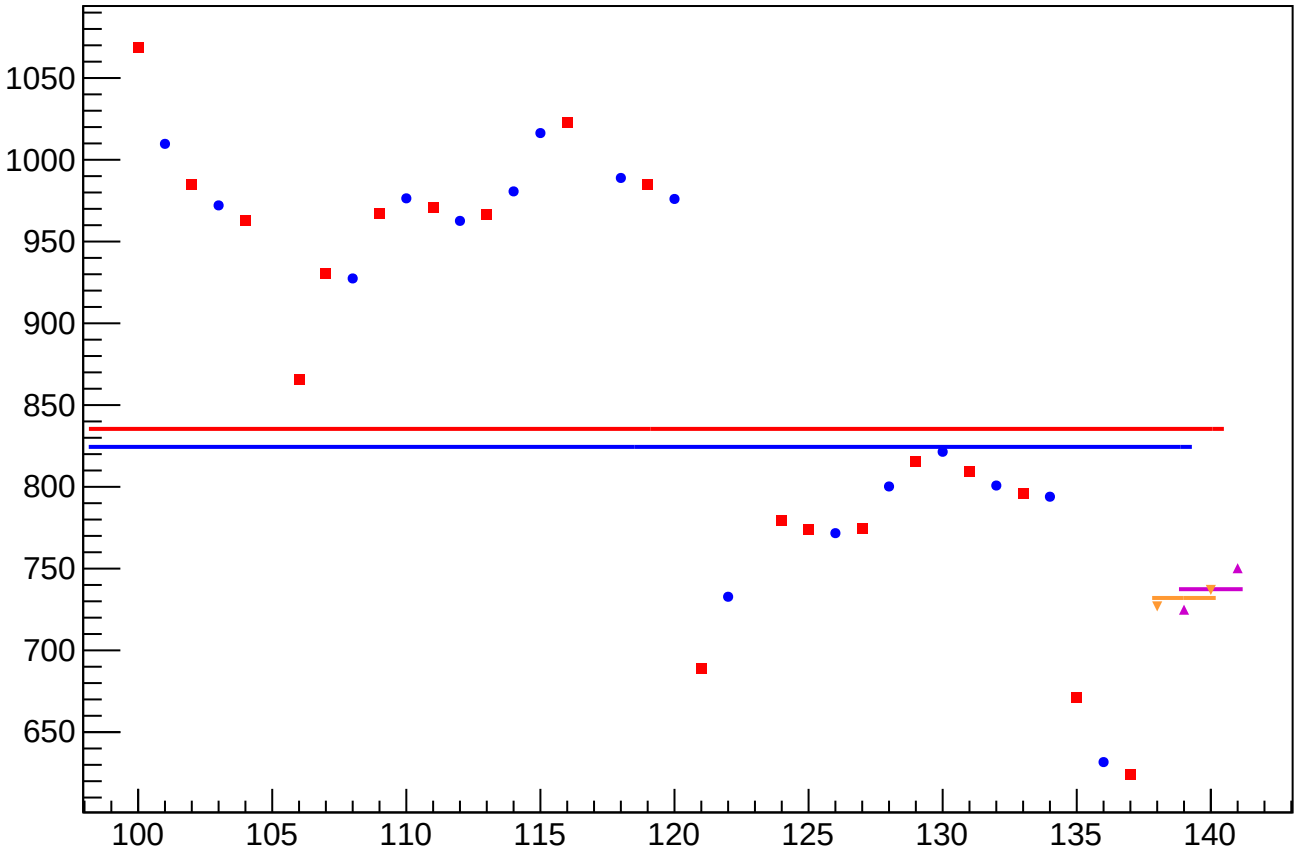
Left: -0.159+/-0.401 χ^2/NDF: 1.2/3

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.400+/-0.272 χ^2/NDF:17.5/17

Out: -0.130+/-0.272 χ^2/NDF:16.3/20

All: 0.135+/-0.192 χ^2/NDF: 35.7/38



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 732.047+/-0.406 χ^2/NDF:153.7/1

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 737.412+/-0.396 χ^2/NDF:1023.6/1

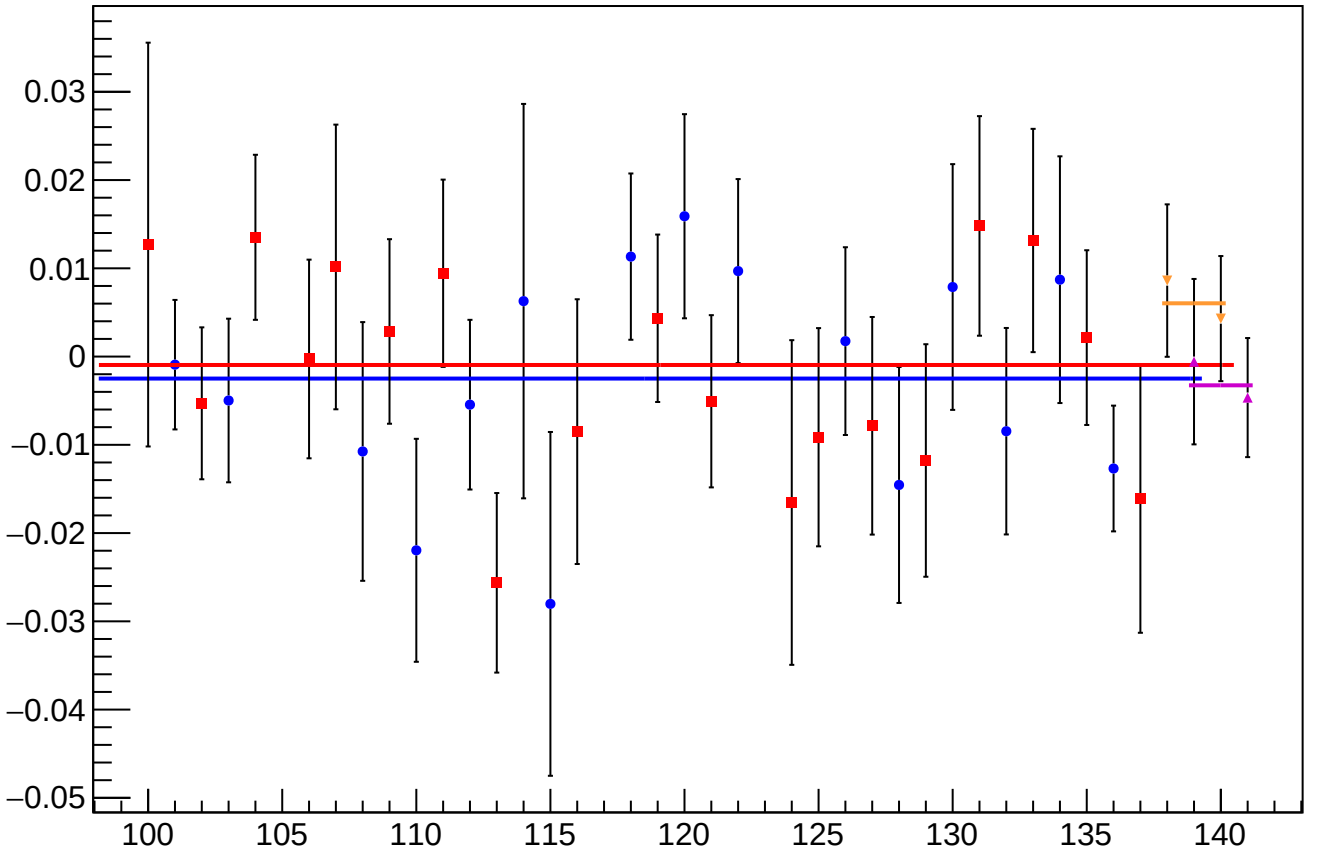
Left: 734.797+/-0.284 χ^2/NDF: 1266.6/3

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 803.965+/-0.192 χ^2/NDF:403360.2/17

Out: 812.304+/-0.192 χ^2/NDF:369703.2/20

All: 808.134+/-0.136 χ^2/NDF: 774004.5/38



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.006+/-0.005 χ^2/NDF:0.1/1

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.003+/-0.005 χ^2/NDF:0.1/1

Left: 0.001+/-0.004 χ^2/NDF: 1.7/3

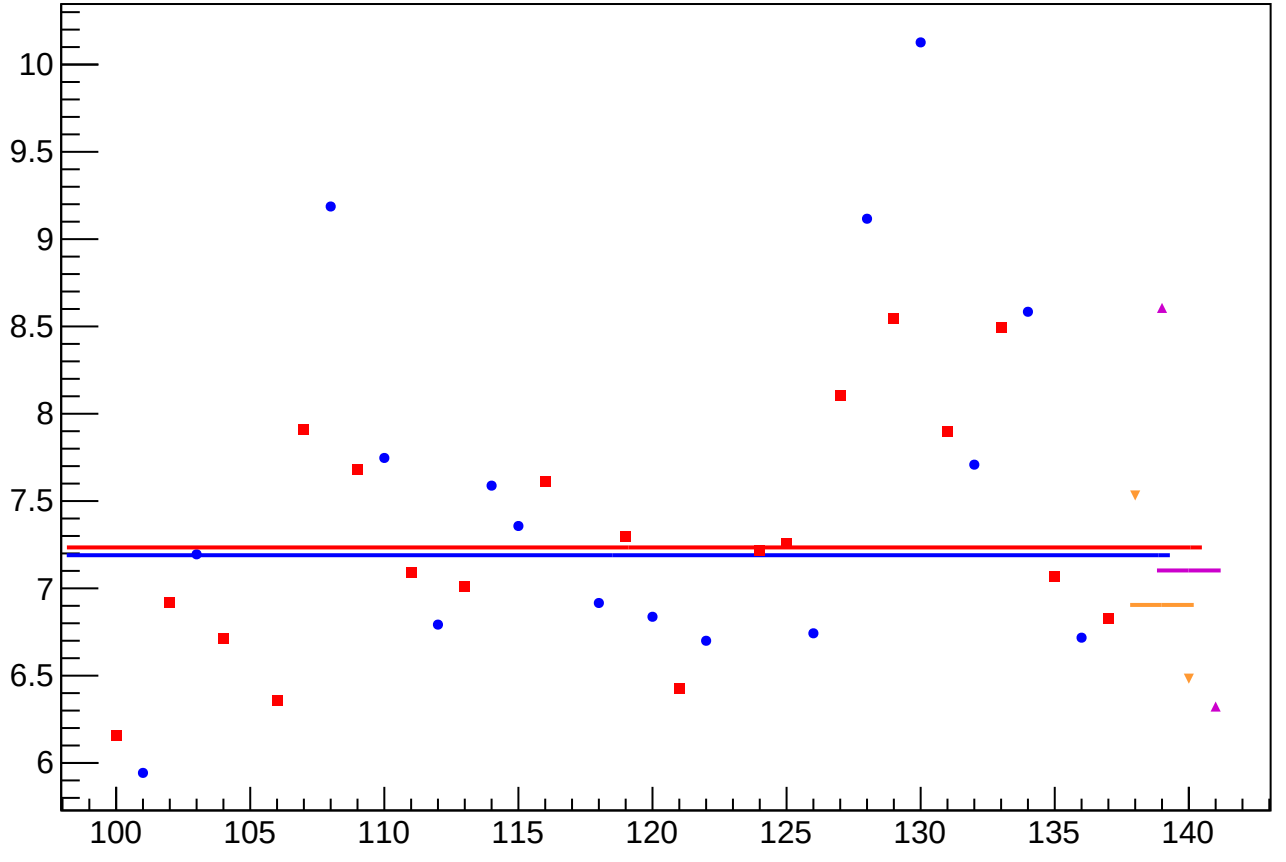
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.003+/-0.002 χ^2/NDF:15.4/17

Out: 0.000+/-0.002 χ^2/NDF:18.8/20

All: -0.001+/-0.002 χ^2/NDF: 35.0/38

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.905+/-0.004 χ^2/NDF:17634.8/1

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.102+/-0.004 χ^2/NDF:78168.4/1

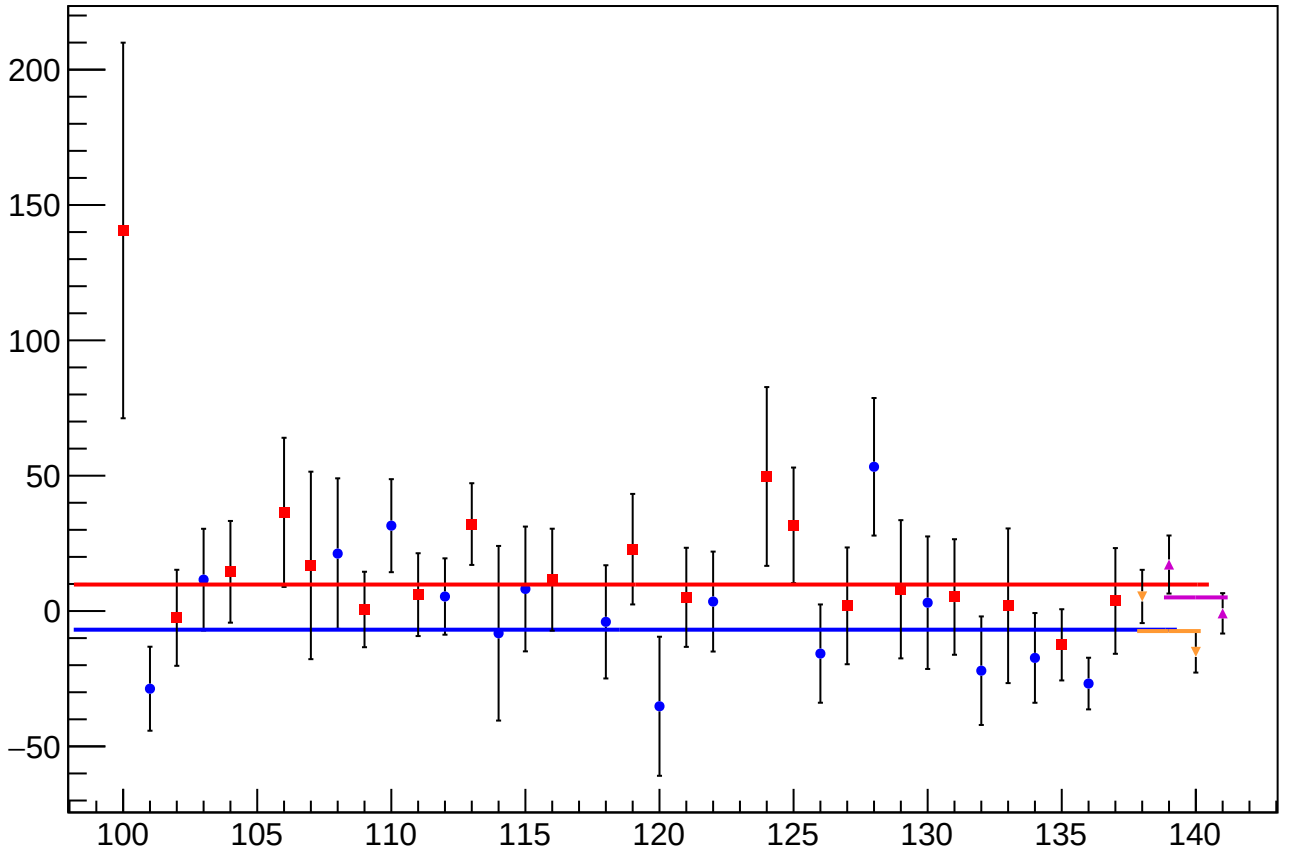
Left: 7.004+/-0.003 χ^2/NDF: 97102.3/3

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.173+/-0.002 χ^2/NDF:356216.5/17

Out: 7.172+/-0.002 χ^2/NDF:129749.3/20

All: 7.172+/-0.001 χ^2/NDF: 485966.0/38



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -7.398+/-6.031 χ^2/NDF:2.7/1

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 5.036+/-6.125 χ^2/NDF:1.9/1

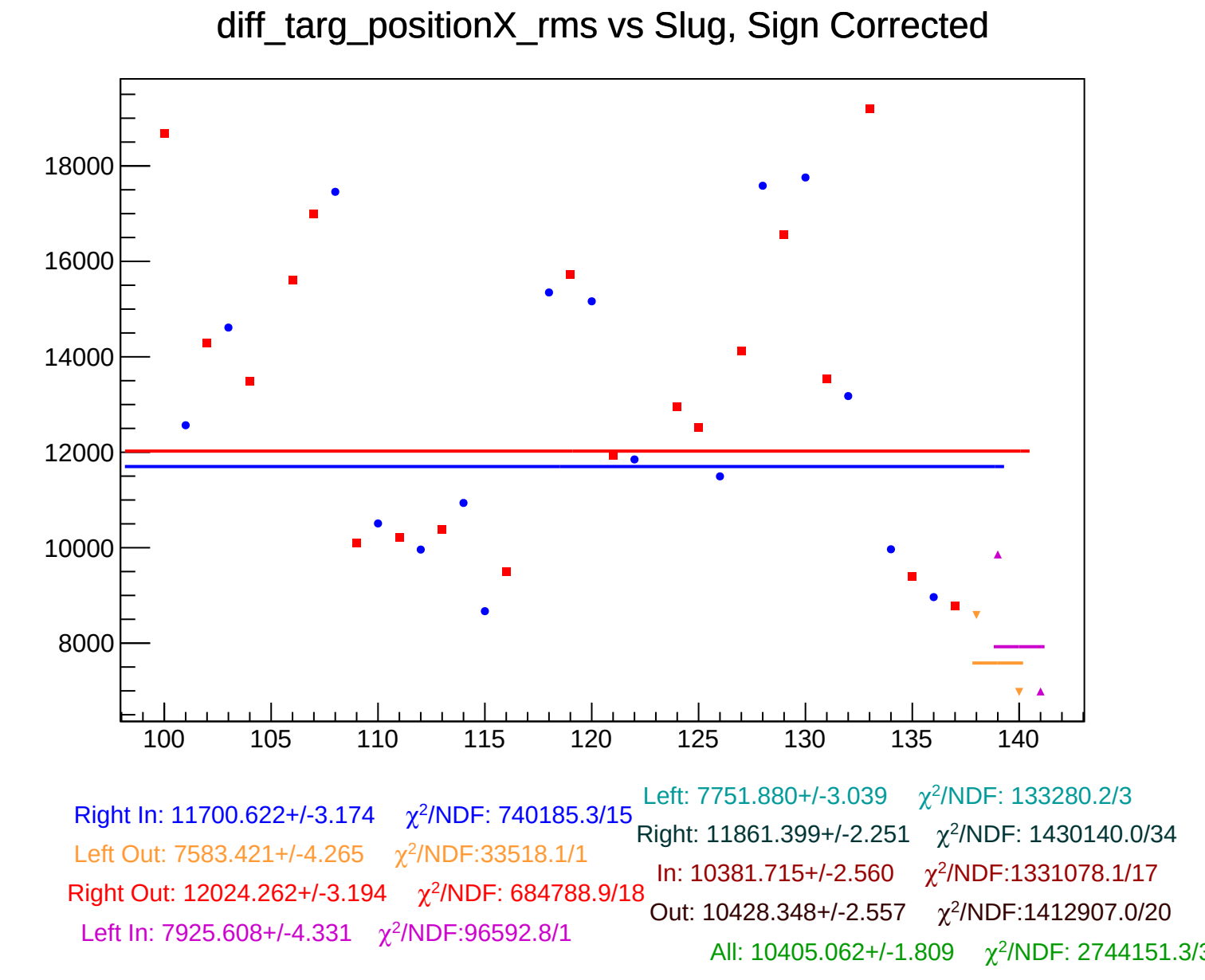
Left: -1.277+/-4.298 χ^2/NDF: 6.7/3

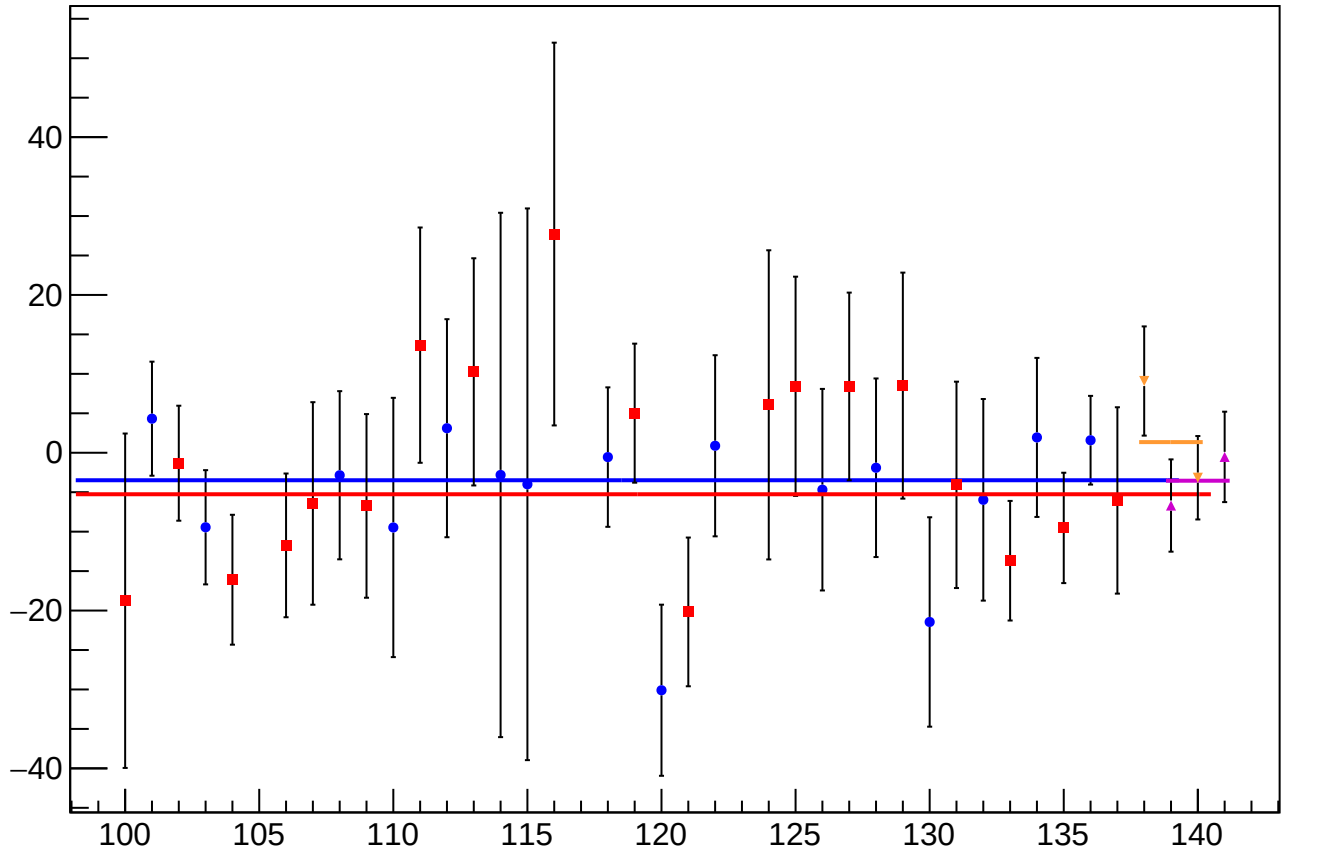
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -2.724+/-3.620 χ^2/NDF:27.4/17

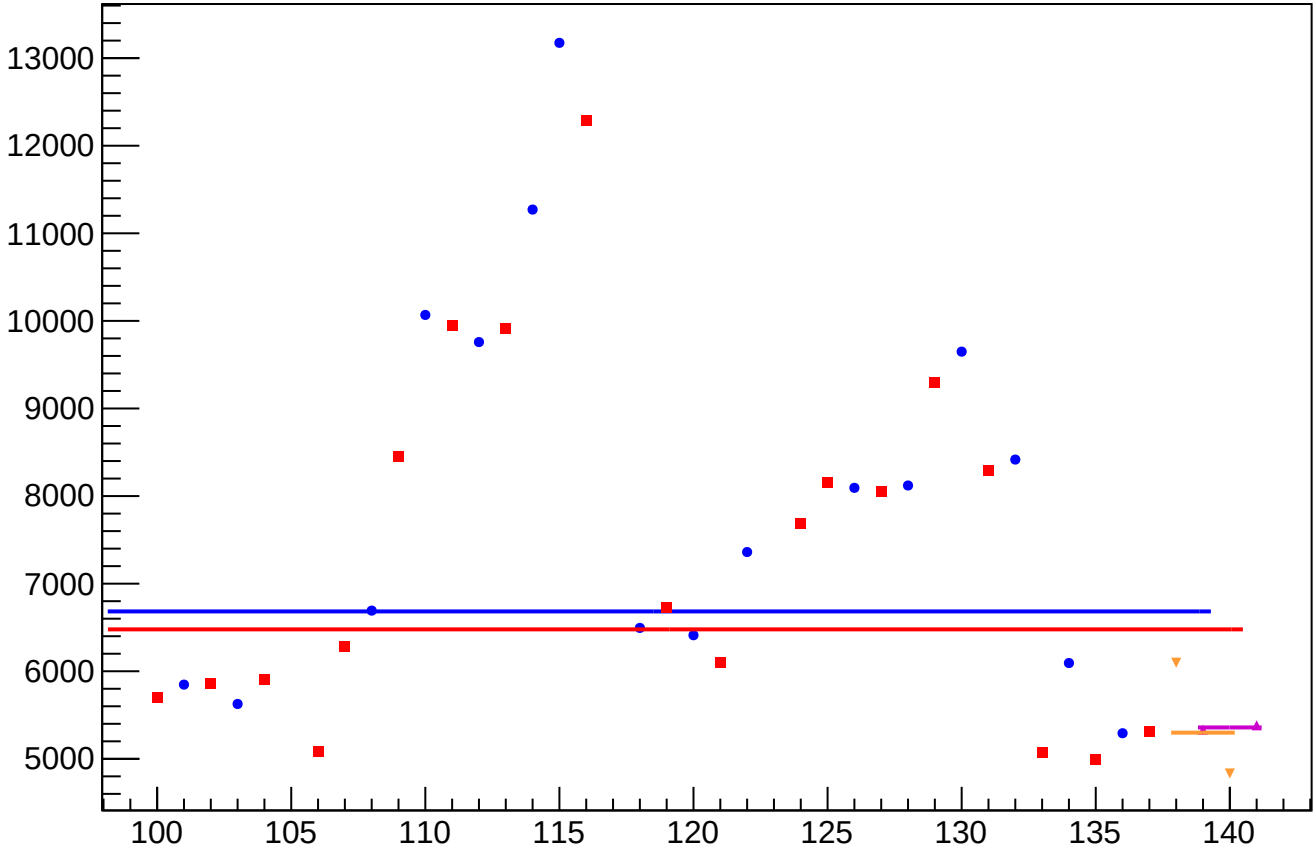
Out: 3.613+/-3.616 χ^2/NDF:21.9/20

All: 0.449+/-2.558 χ^2/NDF: 50.8/38


diff_targ_positionX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 7583.421+/-4.265 χ²/NDF:33518.1/1
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 7925.608+/-4.331 χ²/NDF:96592.8/1
Left: 7751.880+/-3.039 χ²/NDF: 133280.2/3
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 10381.715+/-2.560 χ²/NDF:1331078.1/17
Out: 10428.348+/-2.557 χ²/NDF:1412907.0/20
All: 10405.062+/-1.809 χ²/NDF: 2744151.3/3


diff_targ_positionY_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
105
110
115
120
125
130
135
140
Right In: -3.485+/-2.550 χ²/NDF: 11.5/15
Left Out: 1.350+/-4.201 χ²/NDF:2.0/1
Right Out: -5.259+/-2.446 χ²/NDF: 16.6/18
Left In: -3.544+/-4.093 χ²/NDF:0.6/1
Left: -1.161+/-2.932 χ²/NDF: 3.2/3
Right: -4.409+/-1.765 χ²/NDF: 28.3/34
In: -3.502+/-2.164 χ²/NDF:12.1/17
Out: -3.586+/-2.114 χ²/NDF:20.4/20
All: -3.545+/-1.512 χ²/NDF: 32.5/38

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5298.948+/-2.971 χ^2/NDF:42166.2/1

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5358.390+/-2.894 χ^2/NDF:75.7/1

Left: 5329.445+/-2.073 χ^2/NDF: 42447.4/3

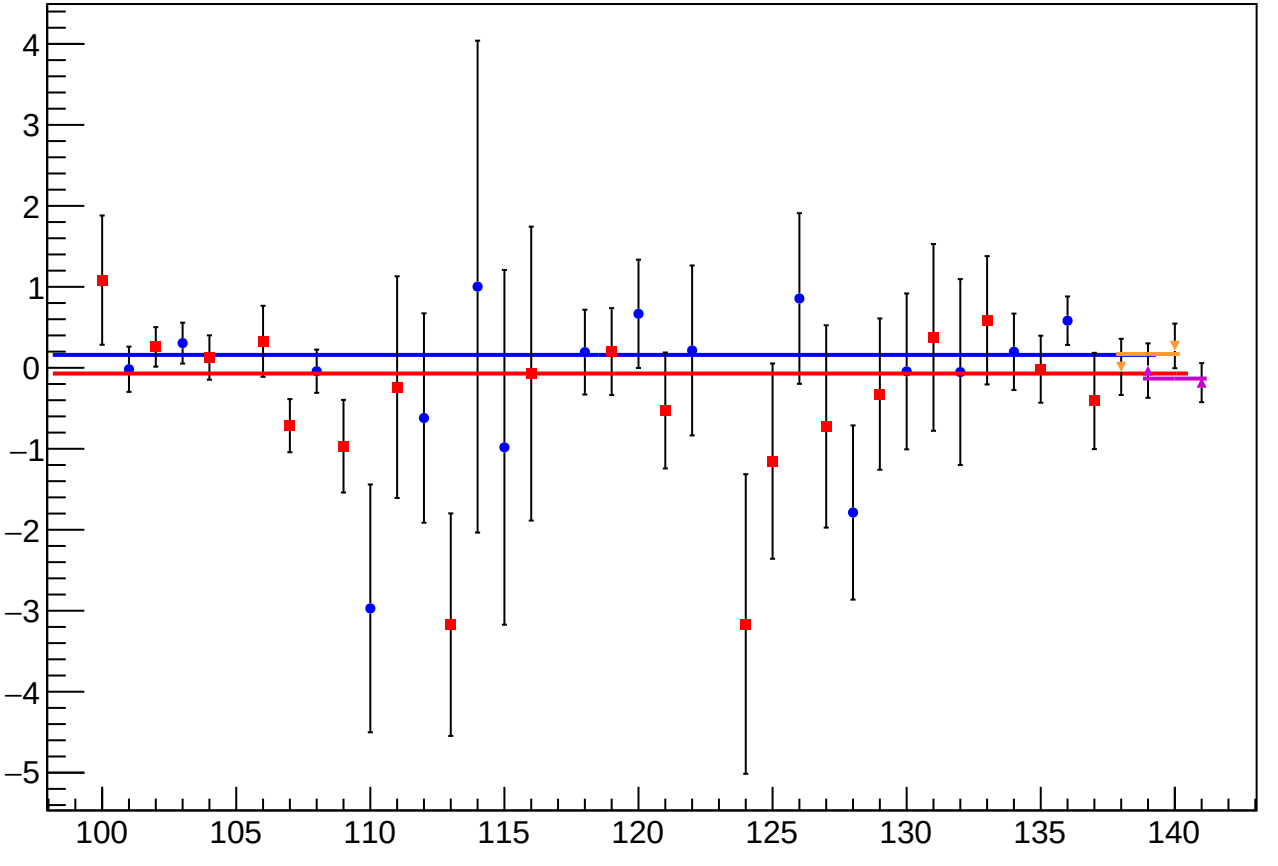
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6312.656+/-1.530 χ^2/NDF:843196.7/17

Out: 6179.532+/-1.495 χ^2/NDF:999061.7/20

All: 6244.537+/-1.069 χ^2/NDF: 1846131.1/38

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.171+/-0.216 χ^2/NDF:0.3/1

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.133+/-0.196 χ^2/NDF:0.1/1

Left: 0.004+/-0.145 χ^2/NDF: 1.6/3

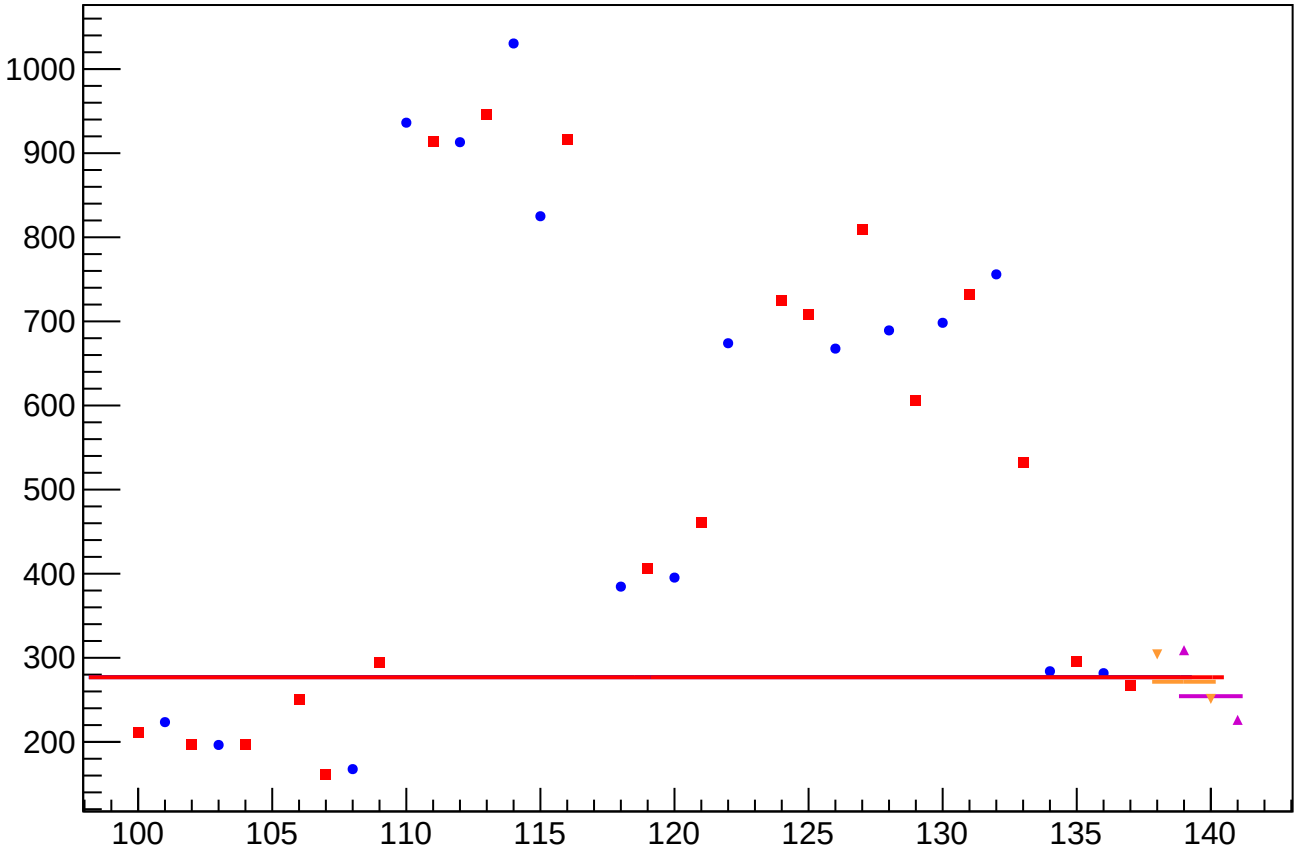
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.080+/-0.102 χ^2/NDF:14.3/17

Out: -0.014+/-0.105 χ^2/NDF:23.8/20

All: 0.034+/-0.073 χ^2/NDF: 38.5/38

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 271.566+/-0.153 χ^2/NDF:28548.5/1

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 254.365+/-0.139 χ^2/NDF:80115.8/1

Left: 262.142+/-0.103 χ^2/NDF: 115625.4/3

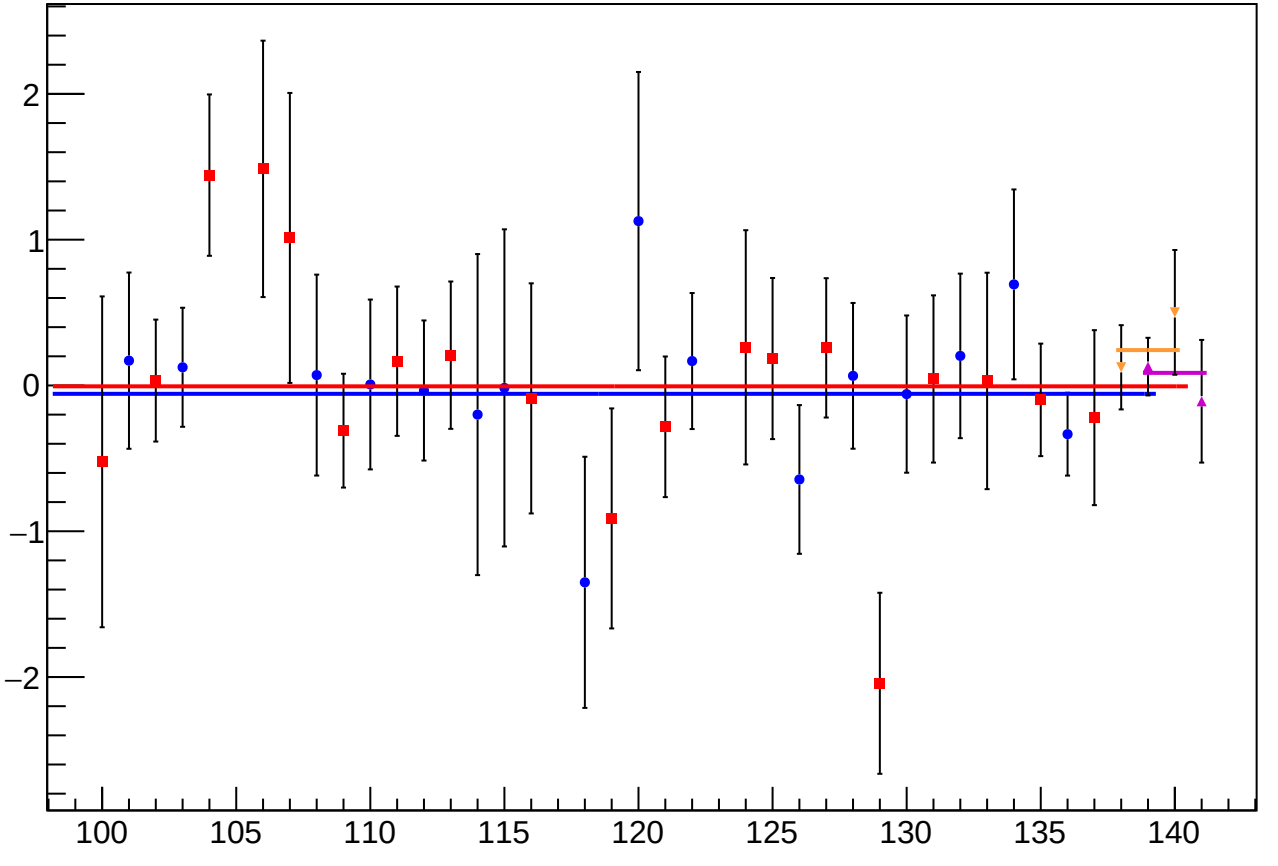
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 270.875+/-0.072 χ^2/NDF:3550109.4/17

Out: 275.619+/-0.074 χ^2/NDF:3601091.8/20

All: 273.188+/-0.052 χ^2/NDF: 7153306.9/38

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.243+/-0.239 χ^2/NDF:0.5/1

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: 0.086+/-0.179 χ^2/NDF:0.3/1

Left: 0.142+/-0.143 χ^2/NDF: 1.1/3

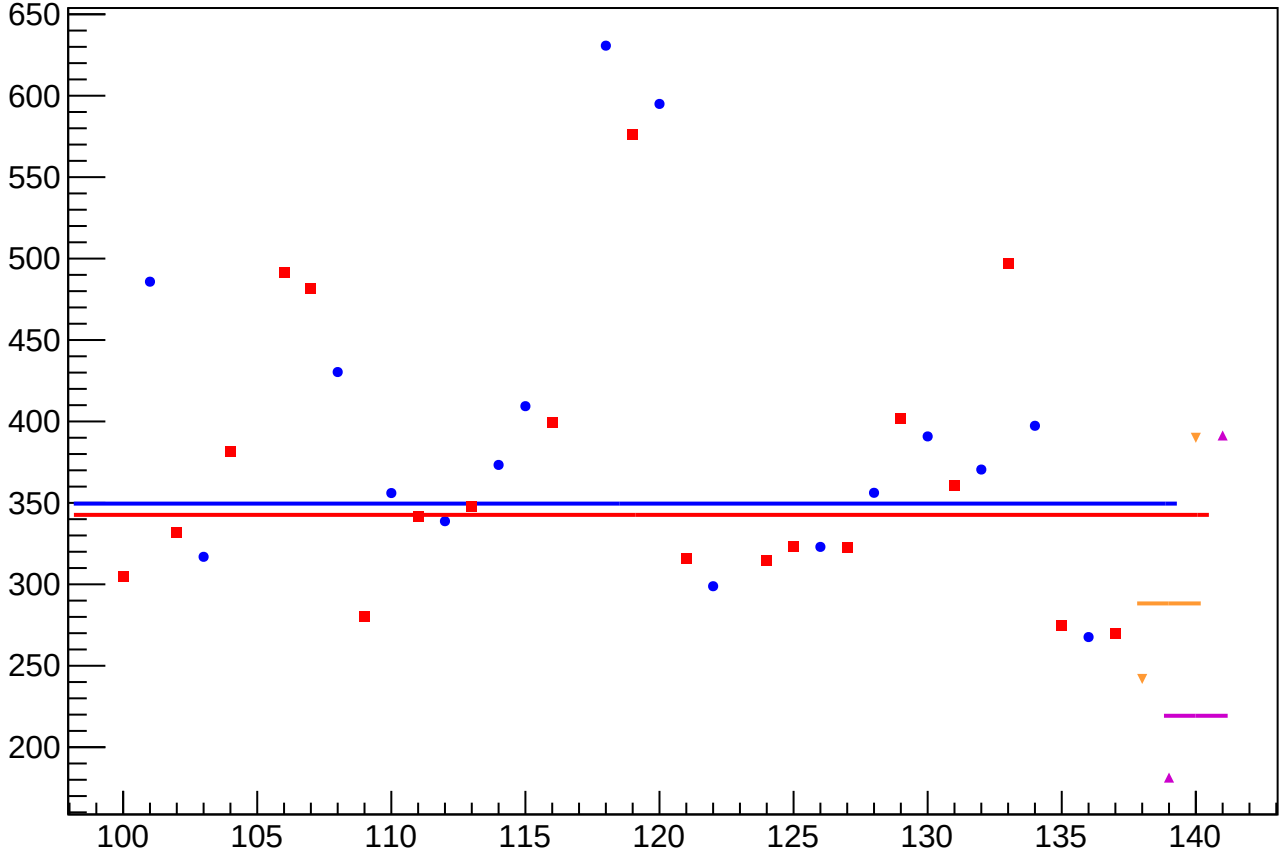
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.006+/-0.107 χ^2/NDF:8.8/17

Out: 0.050+/-0.114 χ^2/NDF:26.5/20

All: 0.020+/-0.078 χ^2/NDF: 35.5/38

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 288.270+/-0.169 χ^2/NDF:164492.0/1

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 219.291+/-0.126 χ^2/NDF:408474.3/1

Left: 243.983+/-0.101 χ^2/NDF: 679511.8/3

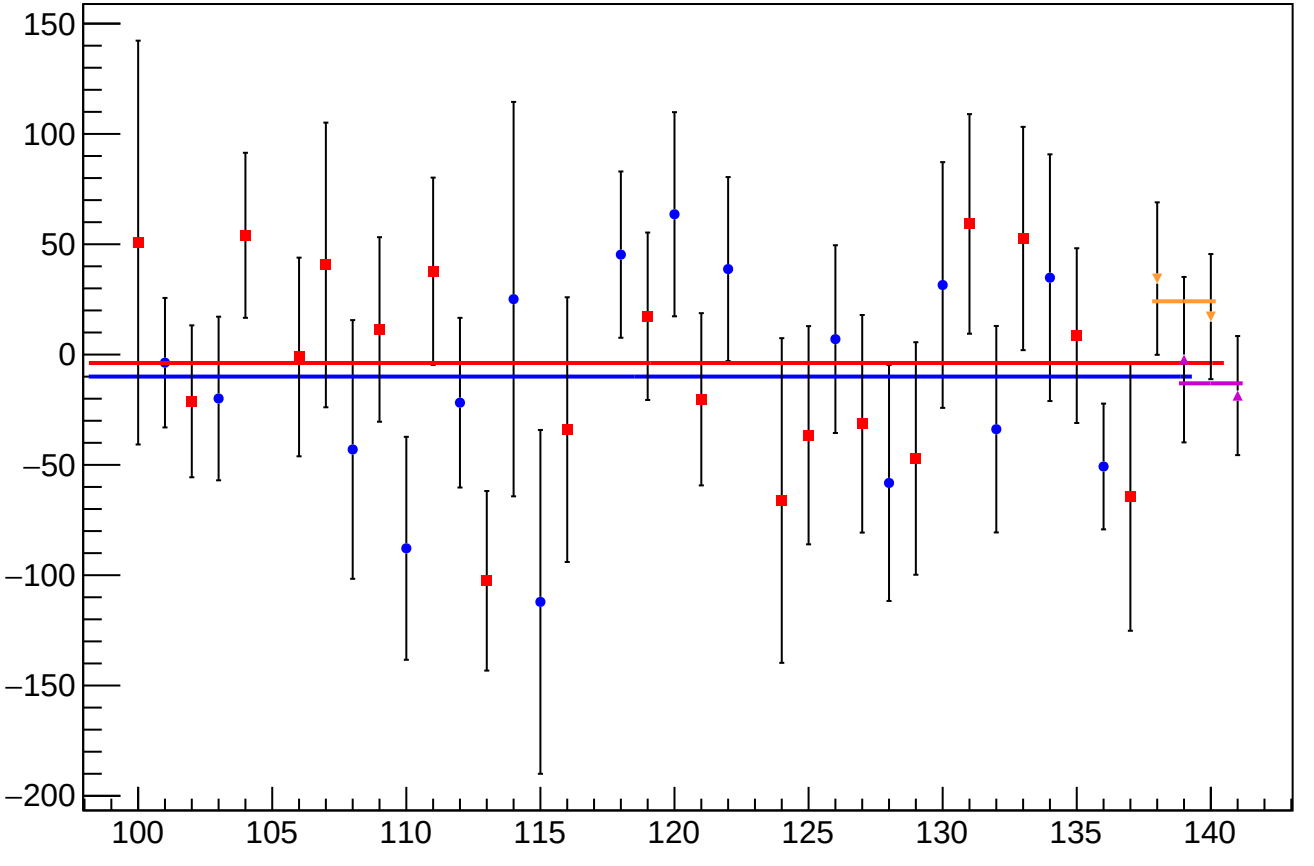
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 302.797+/-0.076 χ^2/NDF:1788282.2/17

Out: 330.423+/-0.080 χ^2/NDF:820188.1/20

All: 315.811+/-0.055 χ^2/NDF: 2671116.8/38

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 24.144+/-21.917 χ^2/NDF:0.1/1

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -13.031+/-21.903 χ^2/NDF:0.1/1

Left: 5.544+/-15.493 χ^2/NDF: 1.7/3

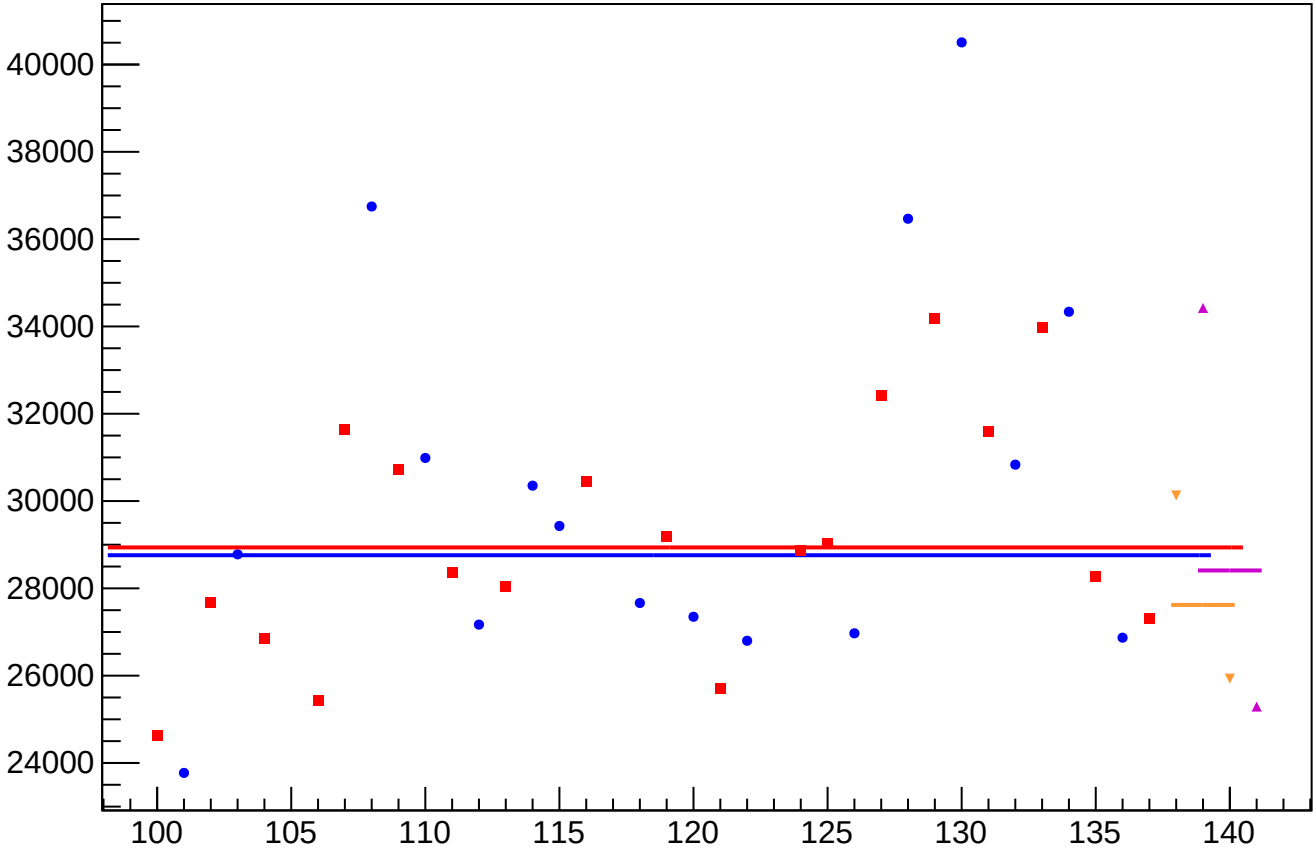
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -10.571+/-9.713 χ^2/NDF:15.4/17

Out: 1.516+/-9.569 χ^2/NDF:18.8/20

All: -4.438+/-6.816 χ^2/NDF: 35.0/38

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27620.247+/-15.498 χ^2/NDF:17634.8/1

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28409.950+/-15.488 χ^2/NDF:78168.4/1

Left: 28015.353+/-10.955 χ^2/NDF: 97102.3/3

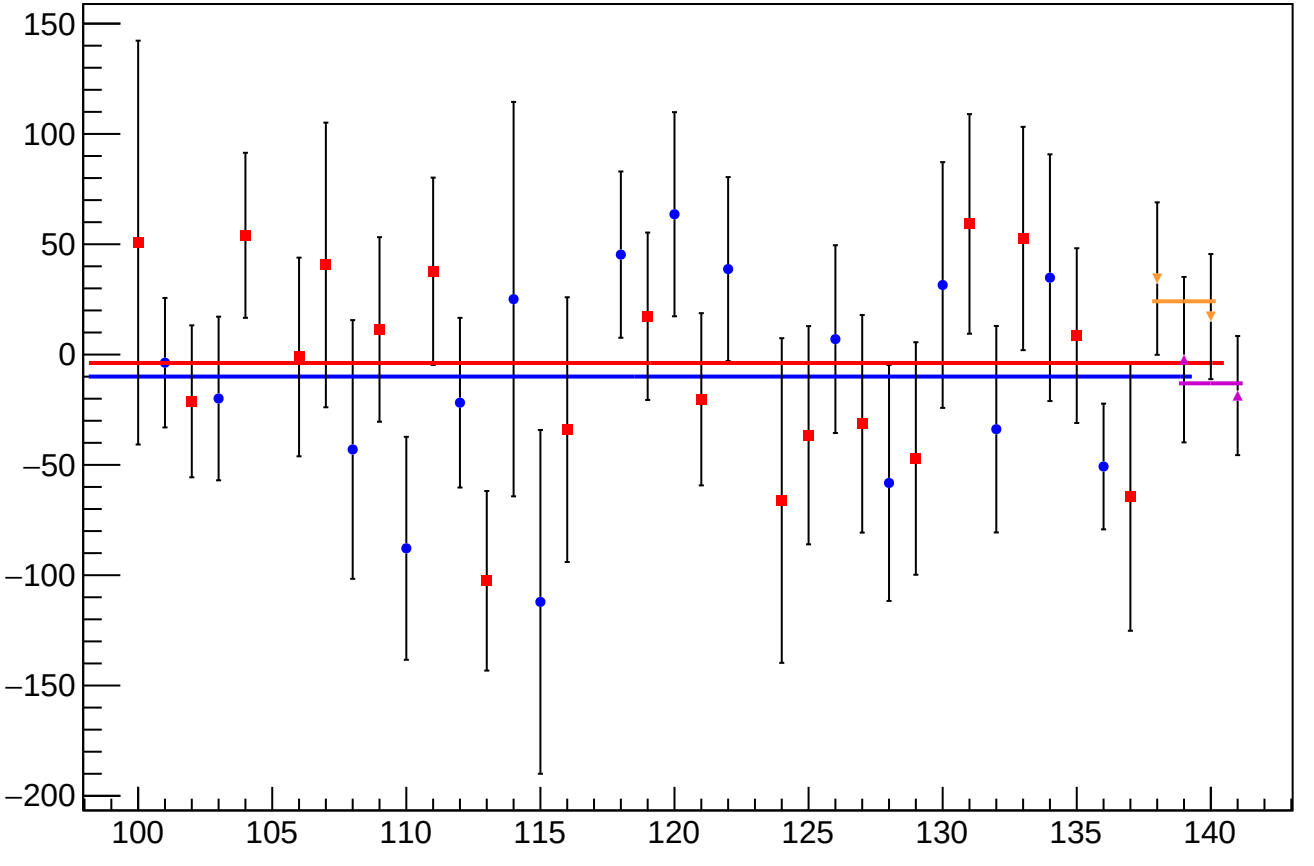
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28690.435+/-6.868 χ^2/NDF:356216.5/17

Out: 28686.515+/-6.766 χ^2/NDF:129749.3/20

All: 28688.446+/-4.820 χ^2/NDF: 485966.0/38

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 24.144+/-21.917 χ^2/NDF:0.1/1

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -13.031+/-21.903 χ^2/NDF:0.1/1

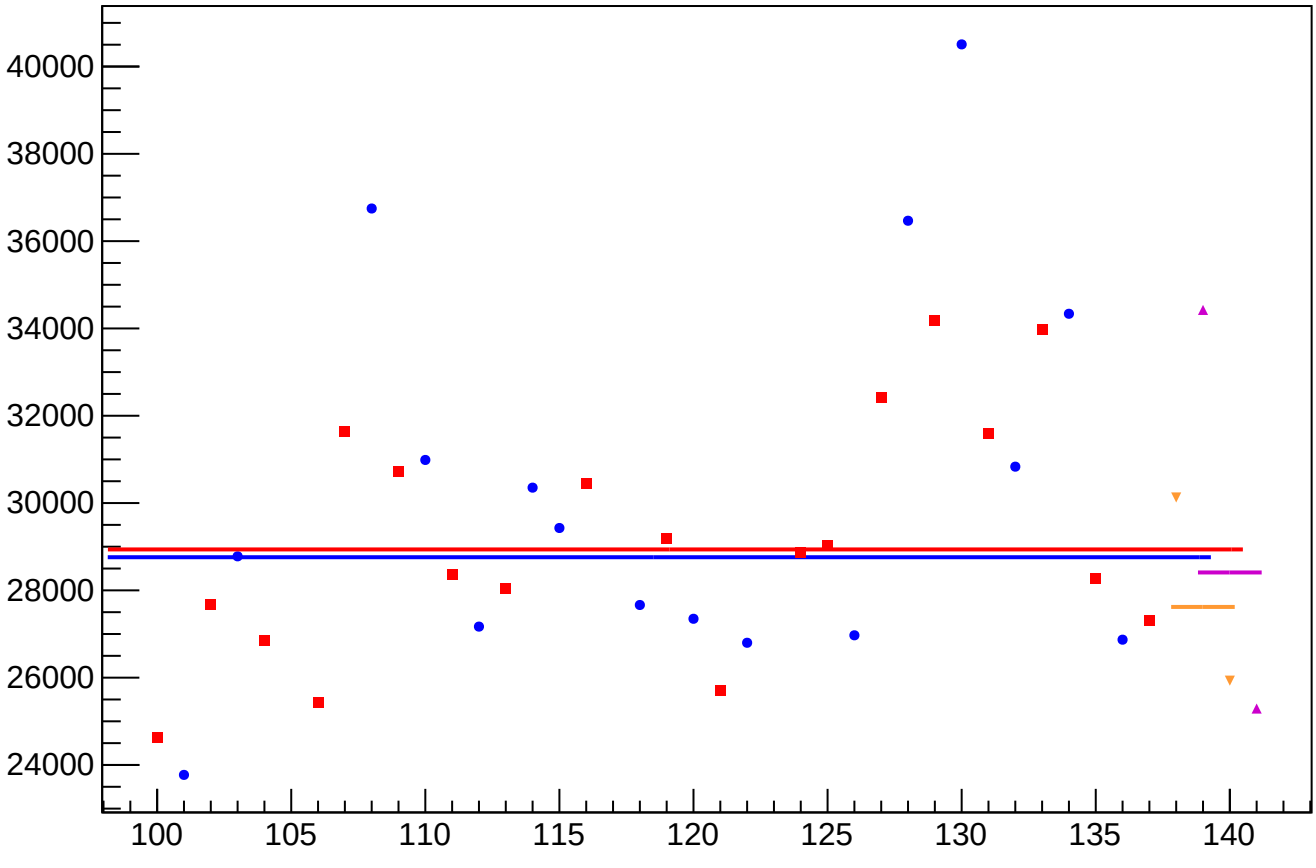
Left: 5.544+/-15.493 χ^2/NDF: 1.7/3

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -10.571+/-9.713 χ^2/NDF:15.4/17

Out: 1.516+/-9.569 χ^2/NDF:18.8/20

All: -4.438+/-6.816 χ^2/NDF: 35.0/38



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27620.247+/-15.498 χ^2/NDF:17634.8/1

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28409.950+/-15.488 χ^2/NDF:78168.4/1

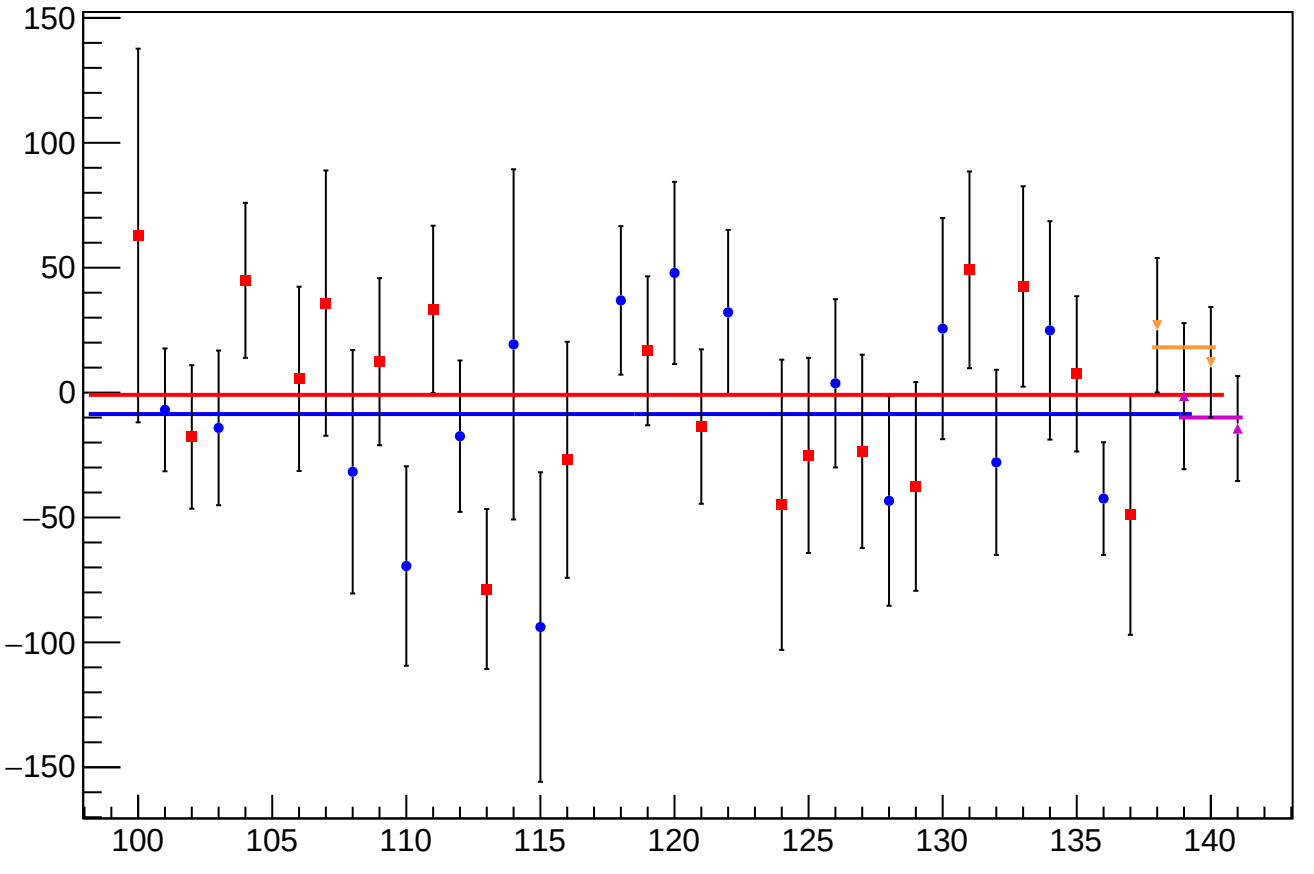
Left: 28015.353+/-10.955 χ^2/NDF: 97102.3/3

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28690.435+/-6.868 χ^2/NDF:356216.5/17

Out: 28686.515+/-6.766 χ^2/NDF:129749.3/20

All: 28688.446+/-4.820 χ^2/NDF: 485966.0/38



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 18.127+/-17.100 χ^2/NDF:0.2/1

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -9.972+/-17.074 χ^2/NDF:0.1/1

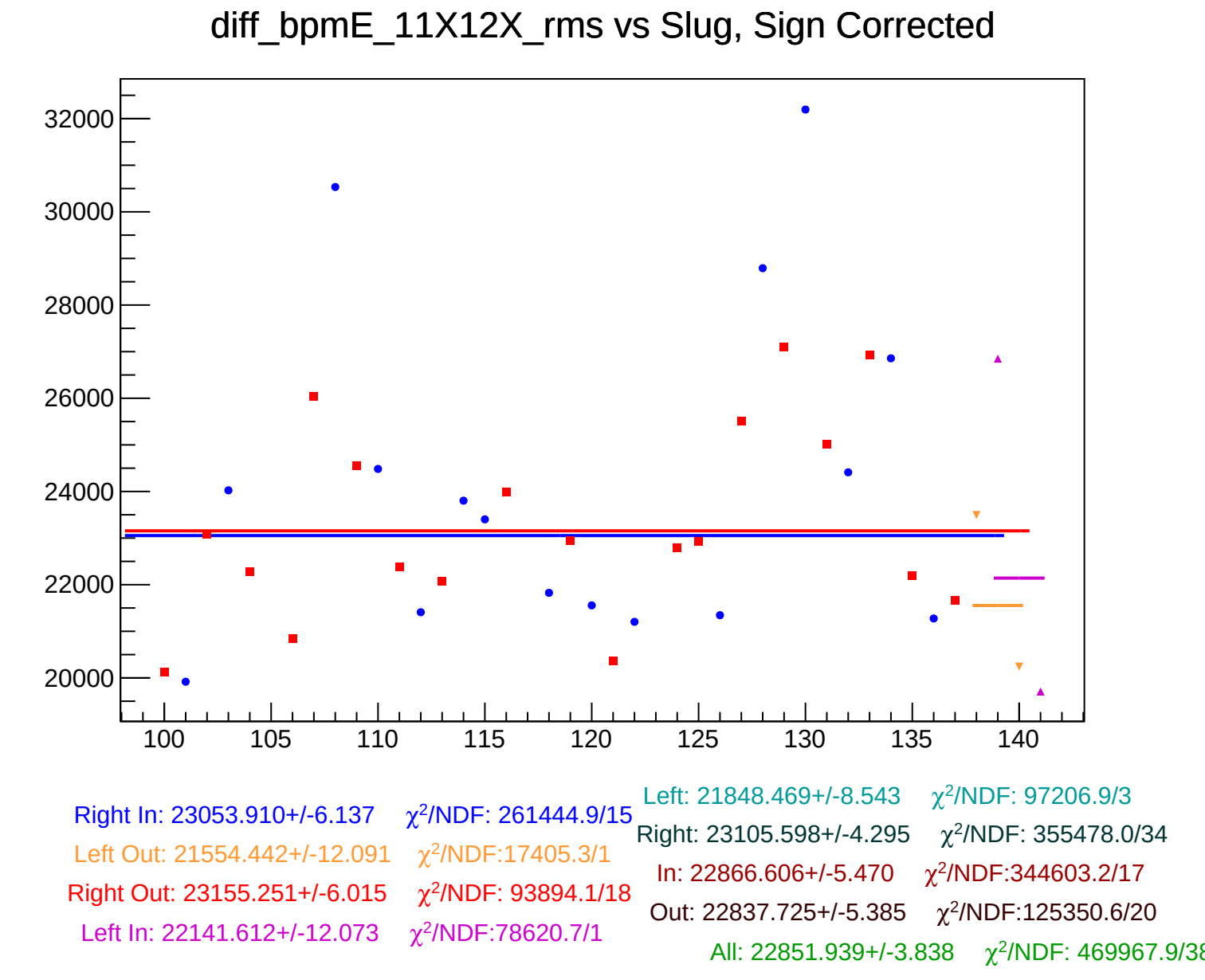
Left: 4.056+/-12.082 χ^2/NDF: 1.7/3

Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

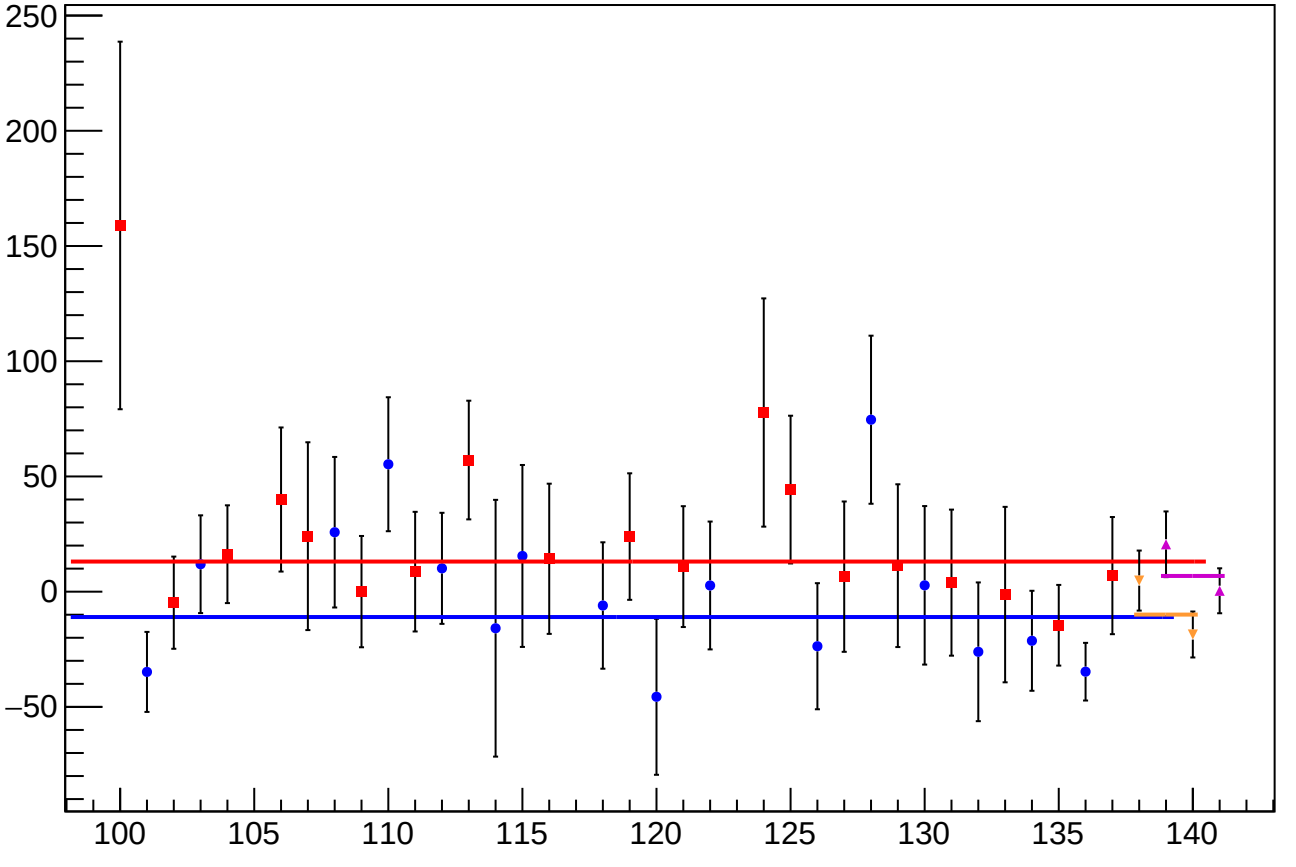
In: -8.881+/-7.736 χ^2/NDF:15.6/17

Out: 2.871+/-7.616 χ^2/NDF:18.8/20

All: -2.913+/-5.427 χ^2/NDF: 35.6/38


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
32000
30000
28000
26000
24000
22000
20000
100
105
110
115
120
125
130
135
140
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 21554.442+/-12.091 χ²/NDF:17405.3/1
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 22141.612+/-12.073 χ²/NDF:78620.7/1
Left: 21848.469+/-8.543 χ²/NDF: 97206.9/3
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 22866.606+/-5.470 χ²/NDF:344603.2/17
Out: 22837.725+/-5.385 χ²/NDF:125350.6/20
All: 22851.939+/-3.838 χ²/NDF: 469967.9/38

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -9.944+/-7.916 χ^2/NDF:2.0/1

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 6.823+/-8.050 χ^2/NDF:1.4/1

Left: -1.701+/-5.644 χ^2/NDF: 5.6/3

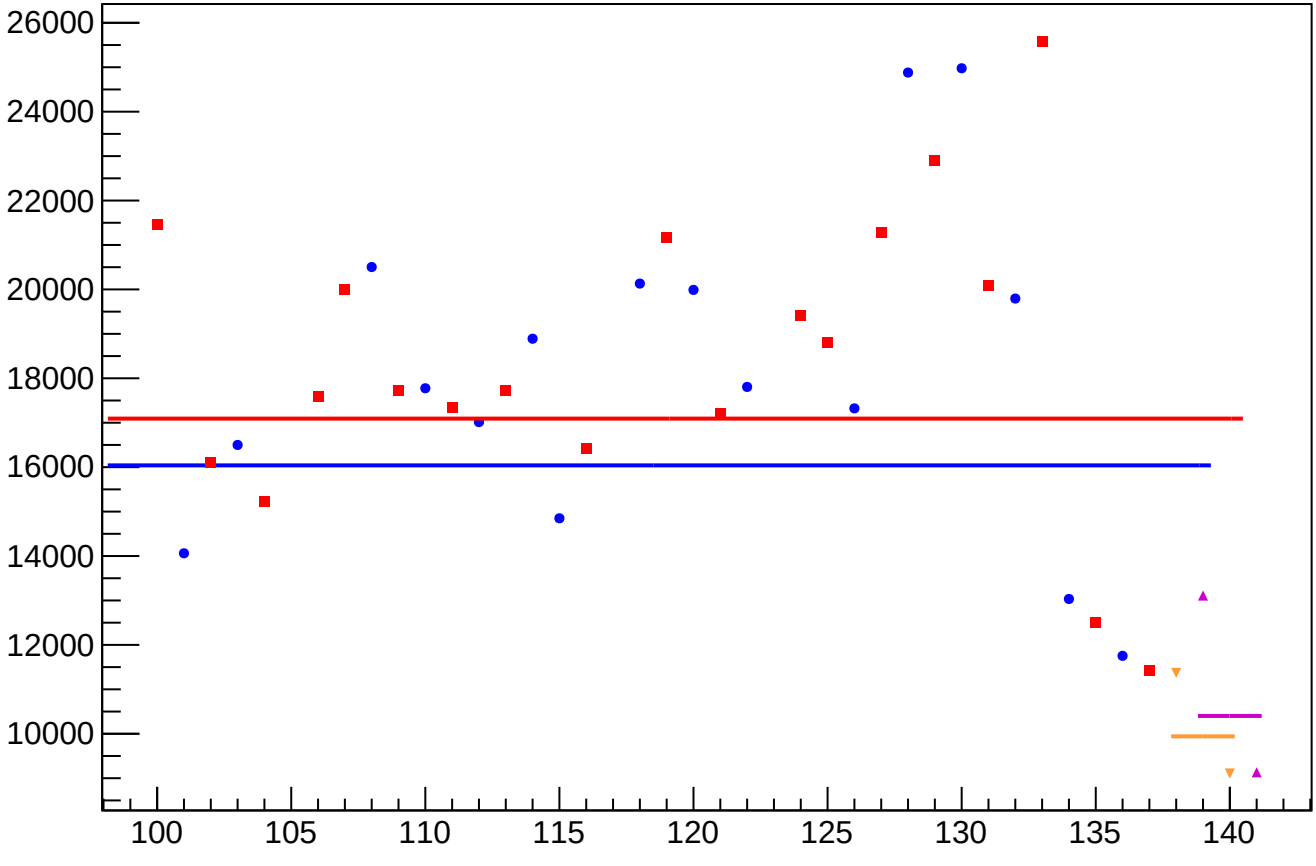
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -4.426+/-4.889 χ^2/NDF:26.5/17

Out: 4.005+/-4.968 χ^2/NDF:21.0/20

All: -0.278+/-3.485 χ^2/NDF: 49.0/38

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 9942.132+/-5.598 χ^2/NDF:38094.0/1

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10401.135+/-5.692 χ^2/NDF:106067.6/1

Left: 10167.791+/-3.991 χ^2/NDF: 147467.2/3

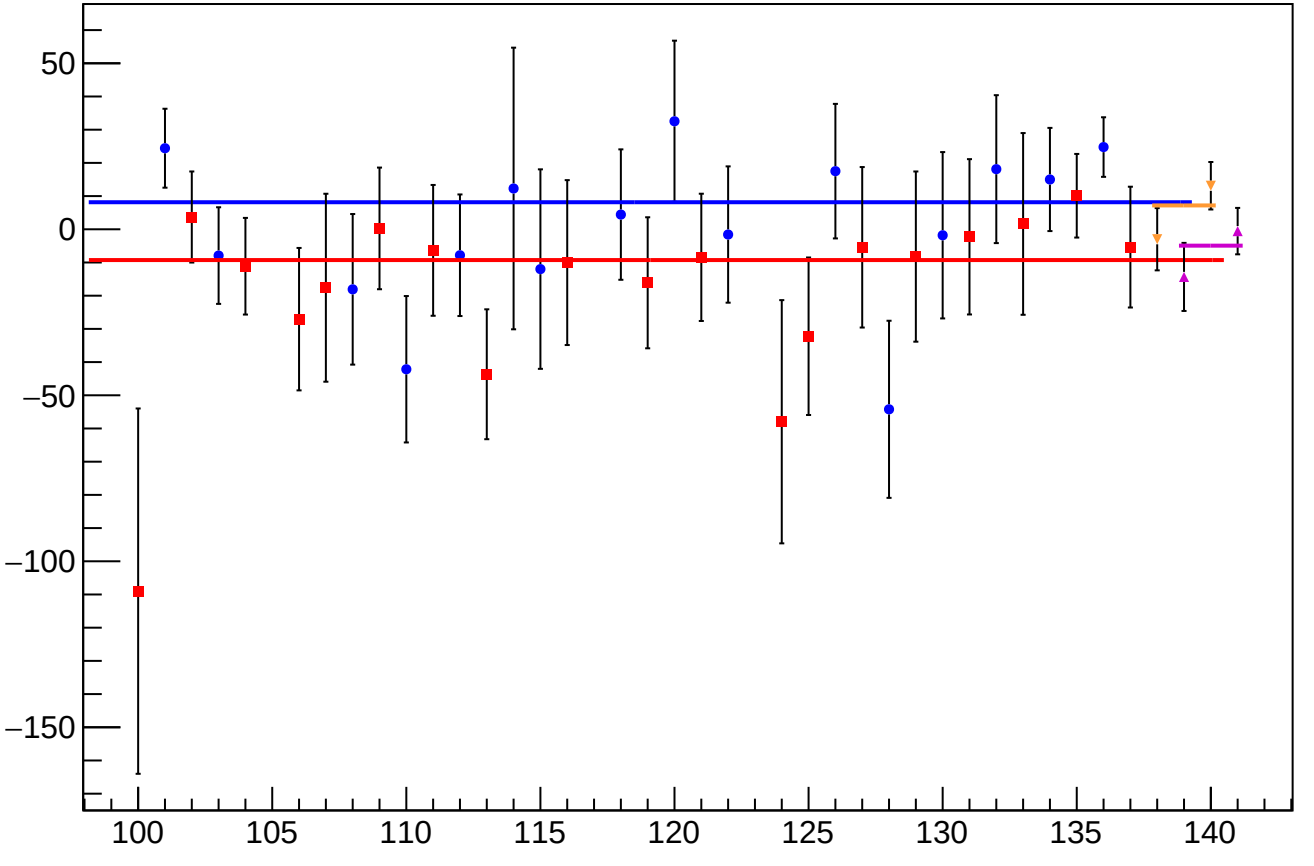
Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 13959.742+/-3.457 χ^2/NDF:1448063.3/17

Out: 14276.025+/-3.513 χ^2/NDF:1562562.0/20

All: 14115.350+/-2.464 χ^2/NDF: 3014742.6/3

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 7.188+/-5.685 χ^2/NDF:1.9/1

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -4.929+/-5.776 χ^2/NDF:1.2/1

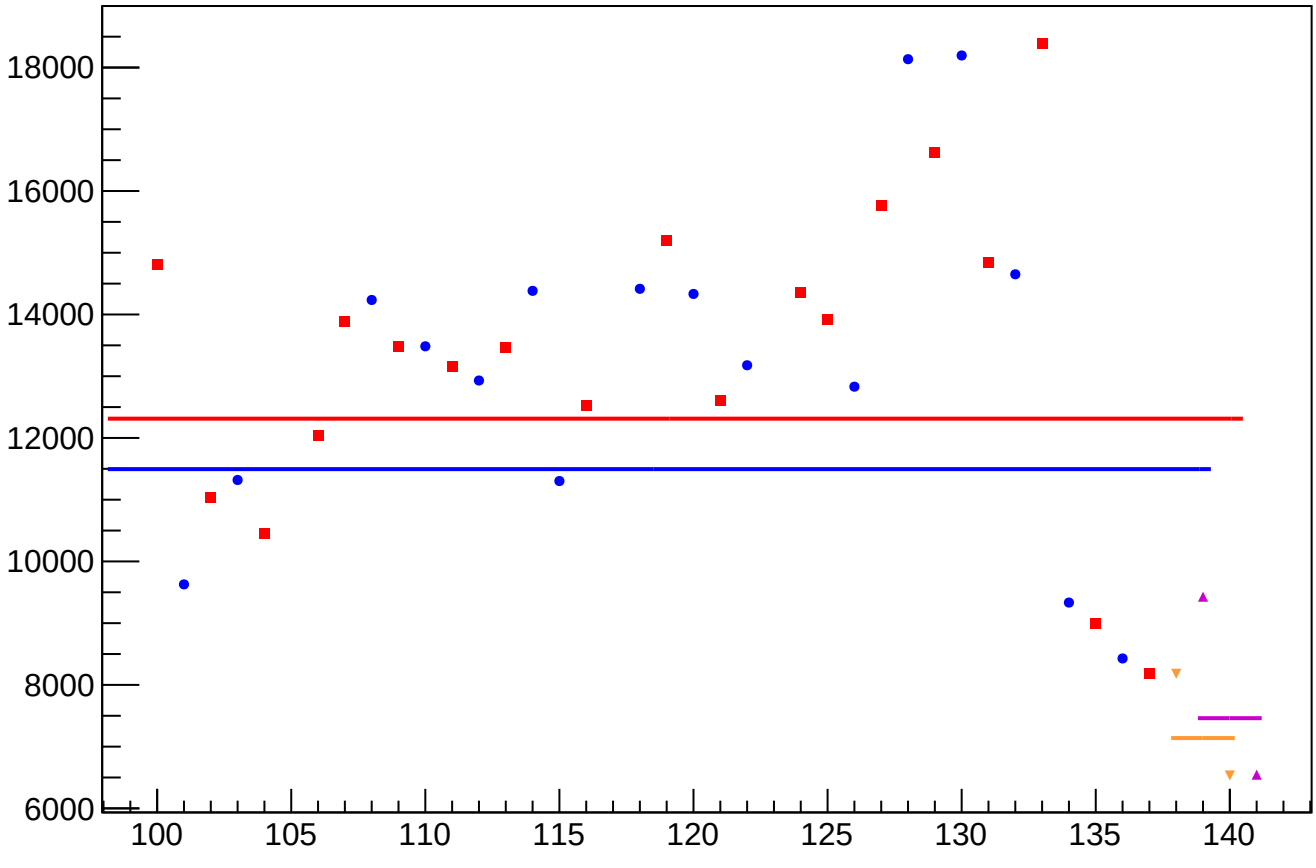
Left: 1.226+/-4.052 χ^2/NDF: 5.3/3

Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 3.316+/-3.512 χ^2/NDF:26.3/17

Out: -2.746+/-3.579 χ^2/NDF:20.8/20

All: 0.343+/-2.507 χ^2/NDF: 48.5/38



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7138.709+/-4.020 χ^2/NDF:39044.8/1

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7460.859+/-4.084 χ^2/NDF:107981.6/1

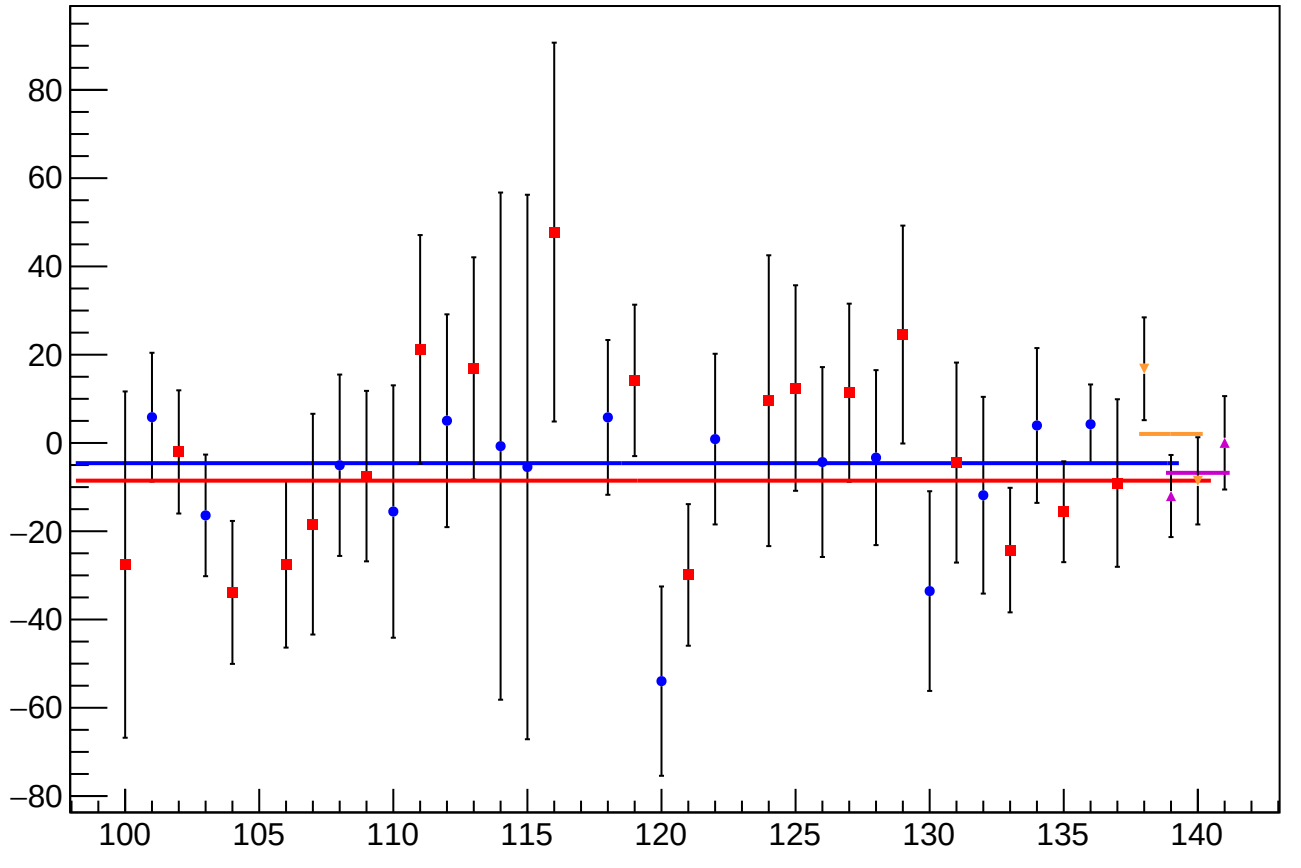
Left: 7297.229+/-2.865 χ^2/NDF: 150186.4/3

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

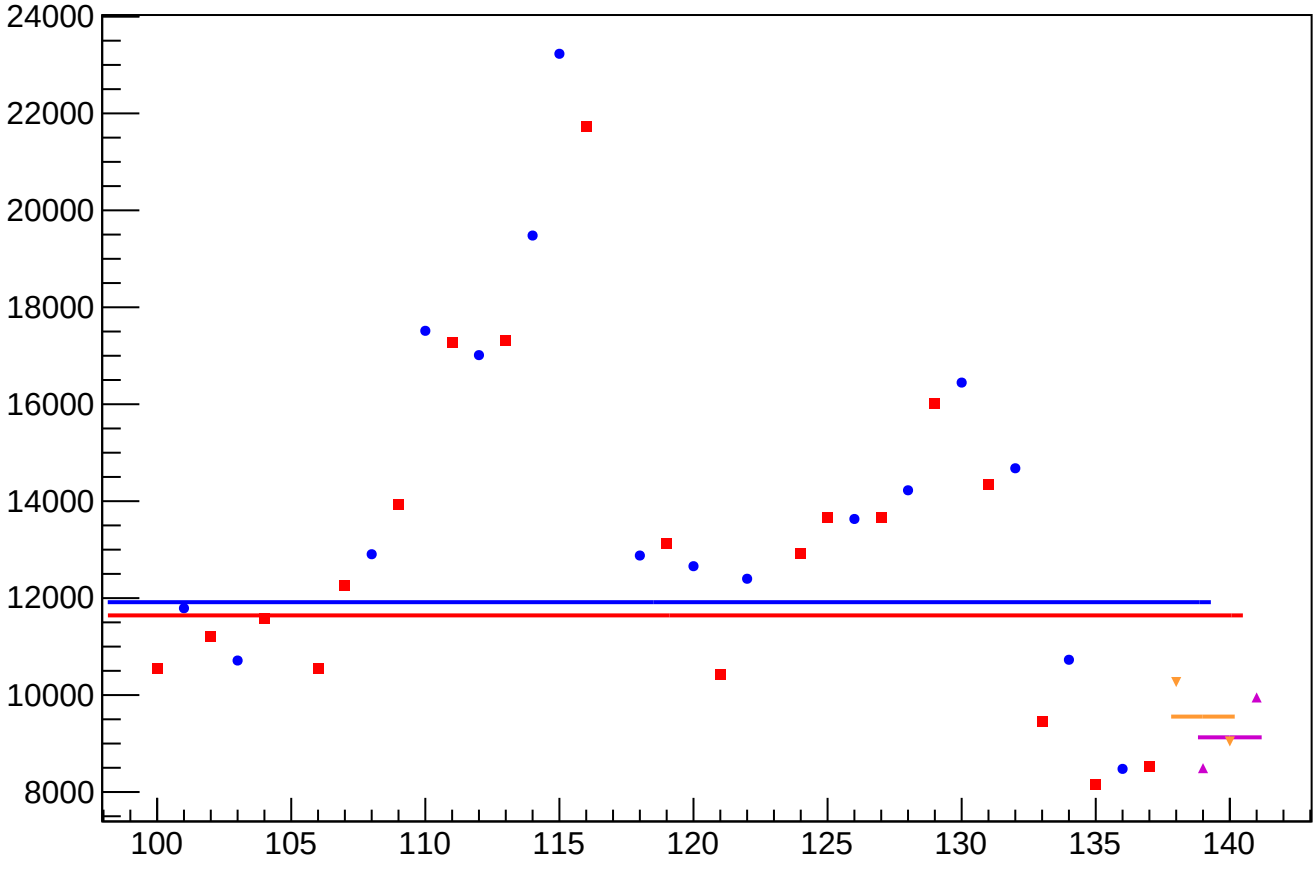
In: 10003.911+/-2.483 χ^2/NDF:1512967.0/17

Out: 10261.620+/-2.531 χ^2/NDF:1637622.6/20

All: 10130.302+/-1.773 χ^2/NDF: 3155872.5/3


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
105
110
115
120
125
130
135
140
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 2.046+/-7.535 χ²/NDF:2.8/1
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -6.767+/-6.986 χ²/NDF:0.7/1
Left: -2.693+/-5.123 χ²/NDF: 4.2/3
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -5.231+/-3.815 χ²/NDF:11.0/17
Out: -5.853+/-3.795 χ²/NDF:21.4/20
All: -5.544+/-2.690 χ²/NDF: 32.5/38

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 9556.118+/-5.328 χ^2/NDF:12872.2/1

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 9128.219+/-4.940 χ^2/NDF:21439.6/1

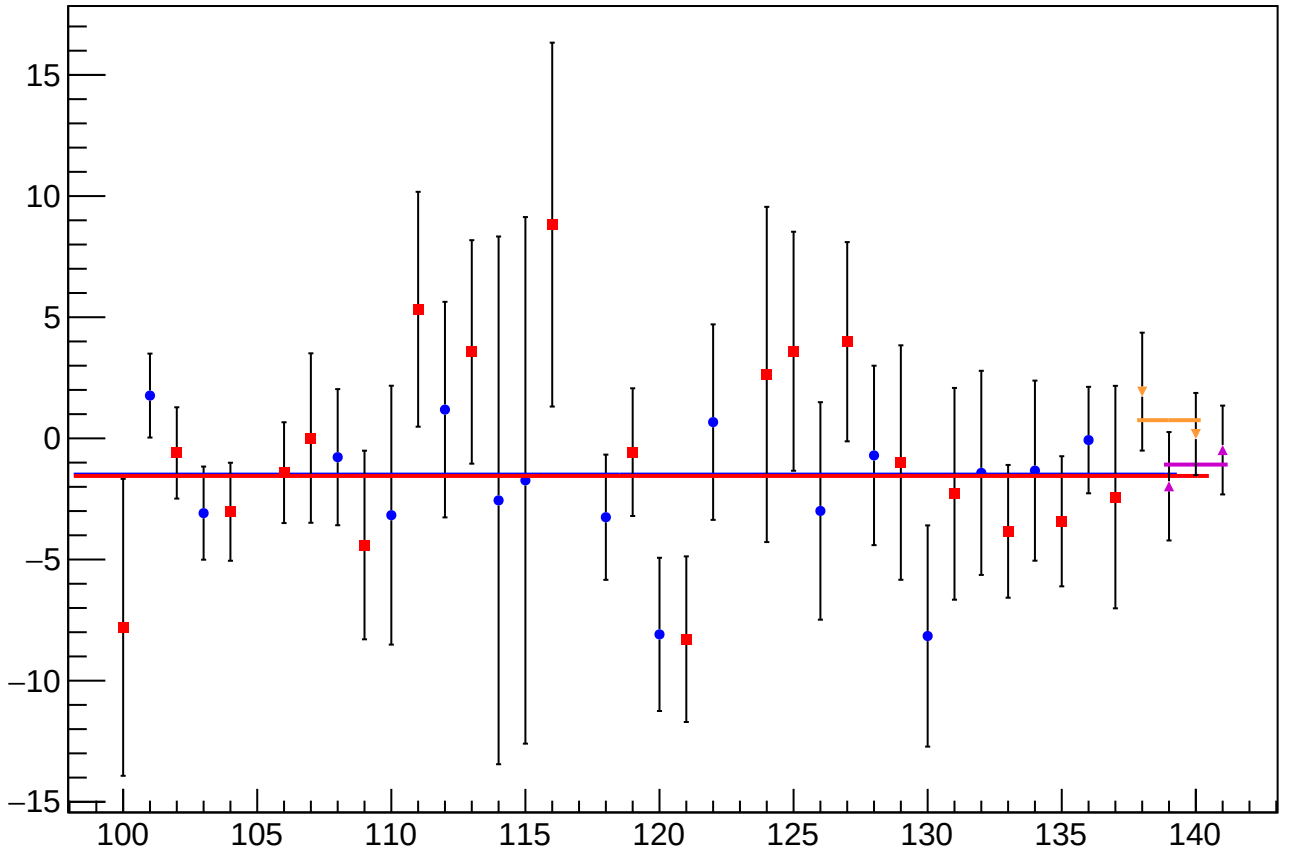
Left: 9326.032+/-3.623 χ^2/NDF: 37780.1/3

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11084.950+/-2.698 χ^2/NDF:994757.5/17

Out: 11114.182+/-2.683 χ^2/NDF:917807.3/20

All: 11099.645+/-1.902 χ^2/NDF: 1912623.8/3



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 0.751+/-1.391 χ^2/NDF:0.3/1

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.082+/-1.418 χ^2/NDF:0.3/1

Left: -0.148+/-0.993 χ^2/NDF: 1.5/3

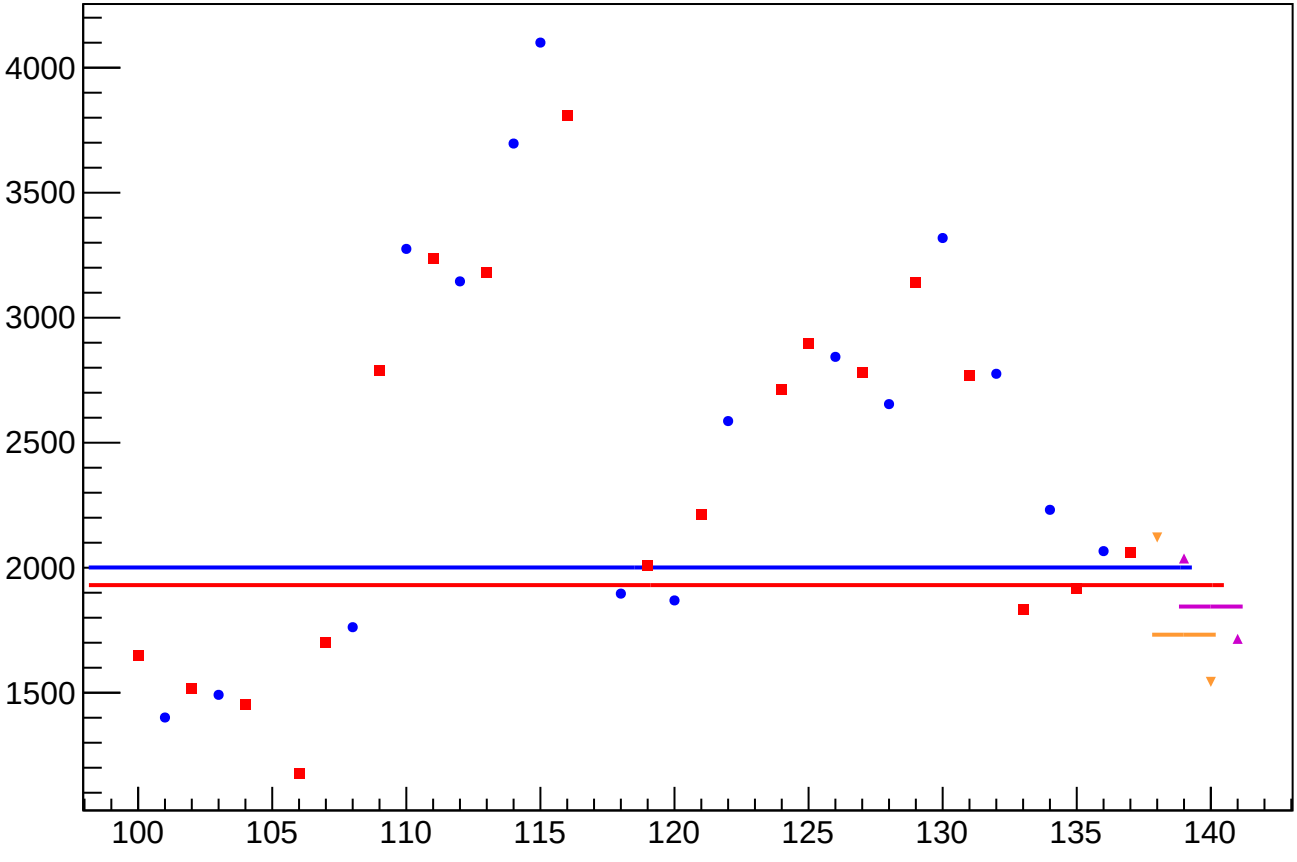
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.400+/-0.682 χ^2/NDF:12.9/17

Out: -1.038+/-0.656 χ^2/NDF:18.8/20

All: -1.212+/-0.473 χ^2/NDF: 31.8/38

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1732.152+/-0.984 χ^2/NDF:75858.0/1

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1844.704+/-1.003 χ^2/NDF:24703.5/1

Left: 1787.358+/-0.702 χ^2/NDF: 106983.1/3

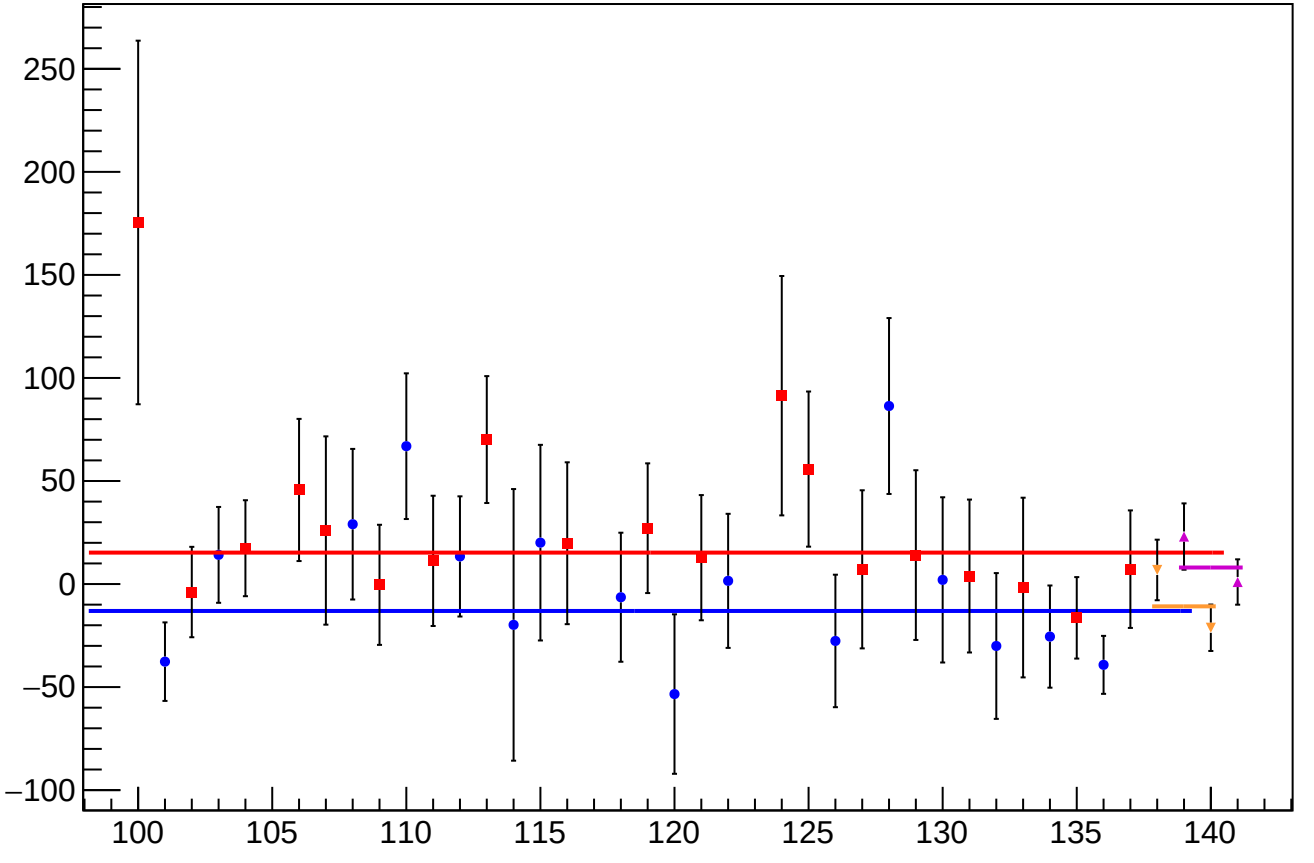
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 1964.812+/-0.482 χ^2/NDF:1233164.9/17

Out: 1886.285+/-0.464 χ^2/NDF:1510995.4/20

All: 1924.036+/-0.334 χ^2/NDF: 2757919.9/38

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -10.827+/-8.941 χ^2/NDF:2.3/1

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 8.017+/-9.085 χ^2/NDF:1.3/1

Left: -1.555+/-6.373 χ^2/NDF: 5.8/3

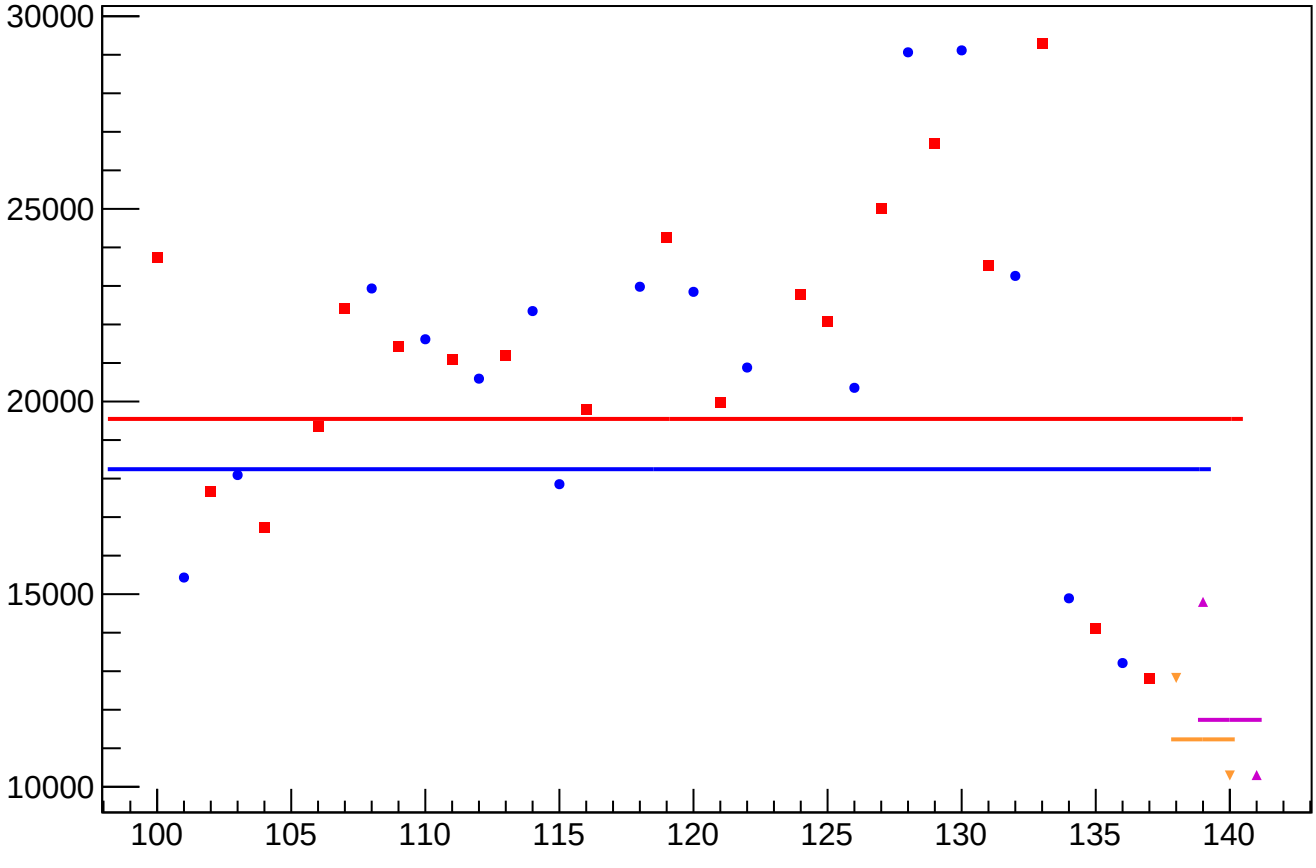
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -5.175+/-5.558 χ^2/NDF:26.5/17

Out: 4.786+/-5.664 χ^2/NDF:21.7/20

All: -0.289+/-3.967 χ^2/NDF: 49.8/38

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11231.050+/-6.322 χ^2/NDF:37392.8/1

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11737.753+/-6.424 χ^2/NDF:106320.2/1

Left: 11480.372+/-4.506 χ^2/NDF: 146873.4/3

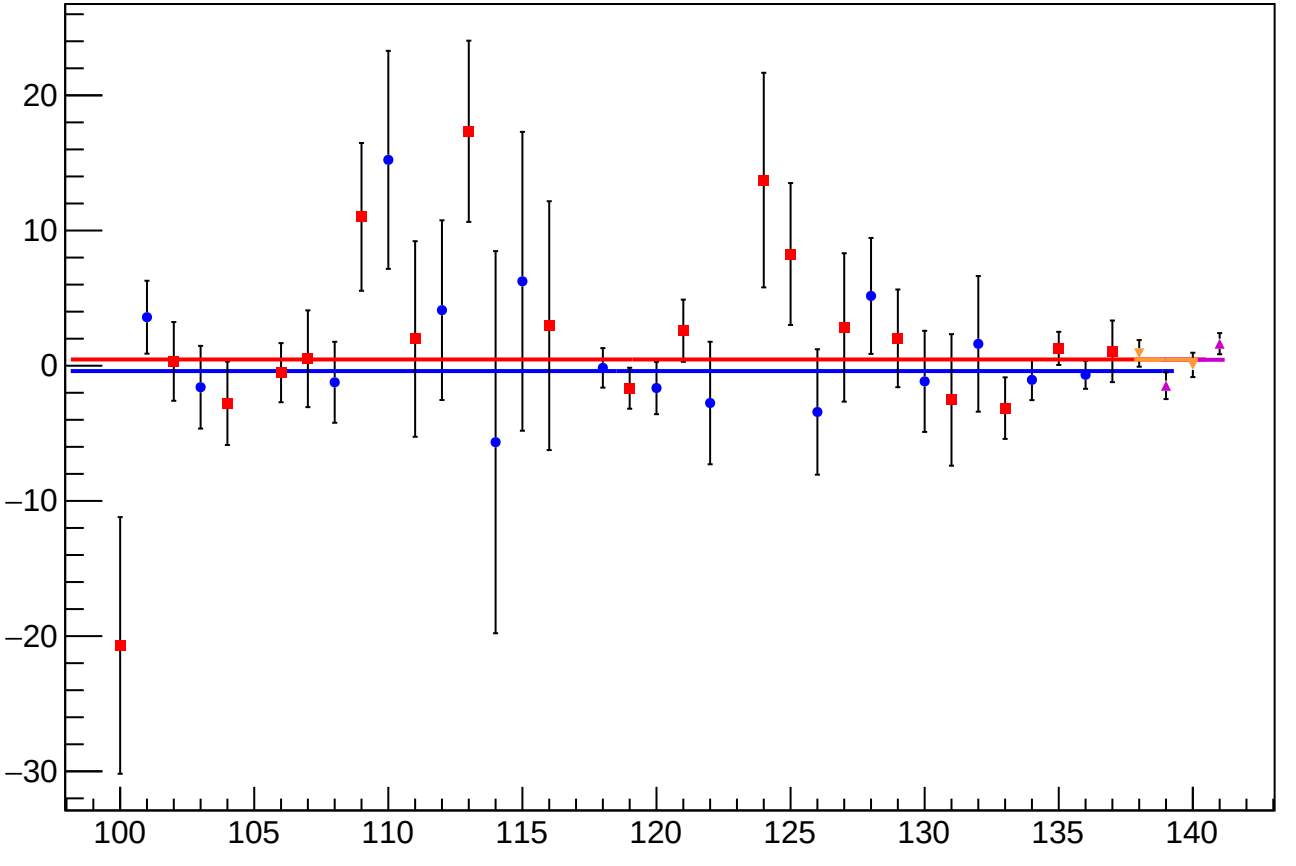
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 15808.335+/-3.930 χ^2/NDF:1567880.1/17

Out: 16210.479+/-4.005 χ^2/NDF:1695189.0/20

All: 16005.596+/-2.805 χ^2/NDF: 3268205.1/3

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.448+/-0.665 χ^2/NDF:0.4/1

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.440+/-0.613 χ^2/NDF:6.1/1

Left: 0.444+/-0.451 χ^2/NDF: 6.5/3

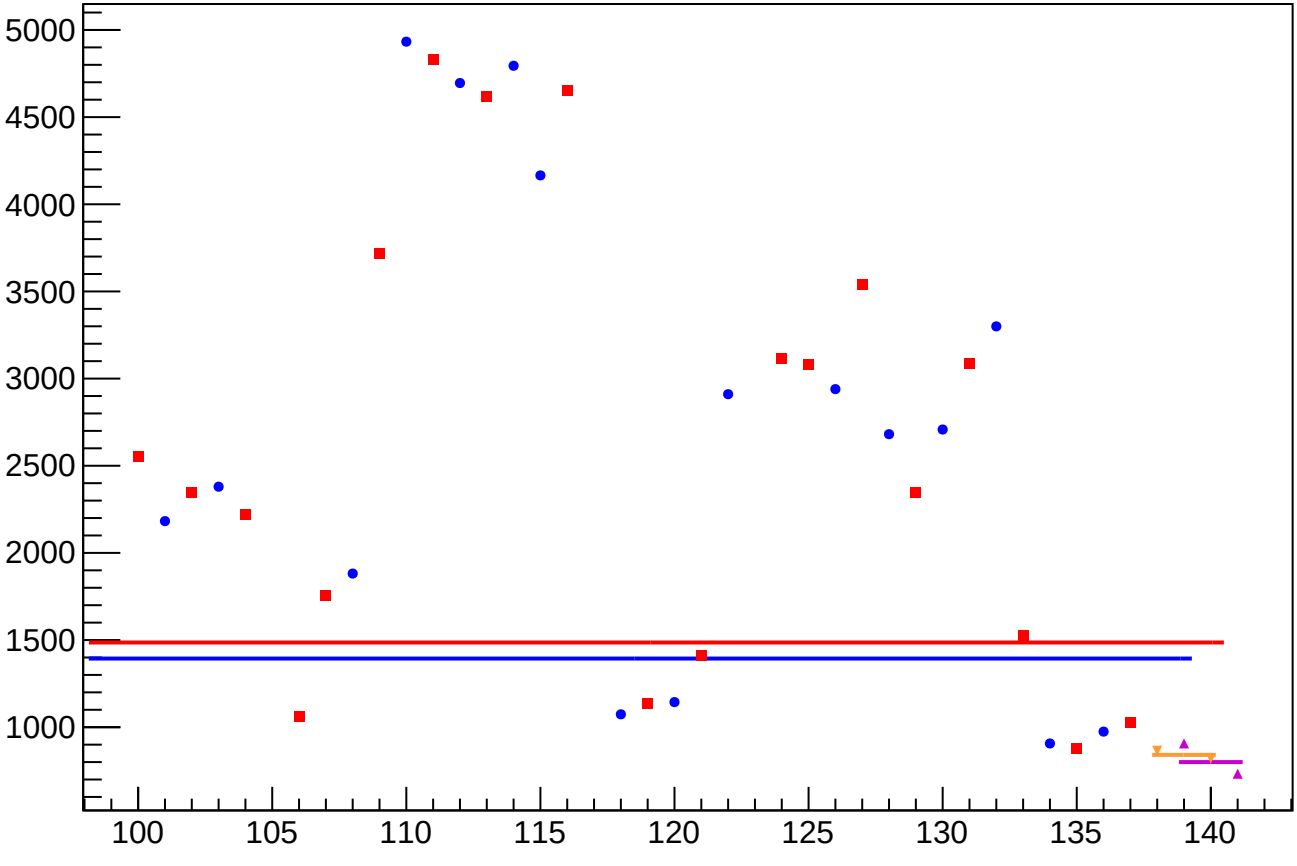
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.014+/-0.429 χ^2/NDF:17.4/17

Out: 0.457+/-0.459 χ^2/NDF:28.5/20

All: 0.220+/-0.313 χ^2/NDF: 46.4/38

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 841.334+/-0.470 χ^2/NDF:2071.3/1

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 800.004+/-0.434 χ^2/NDF:38021.0/1

Left: 819.013+/-0.319 χ^2/NDF: 44269.8/3

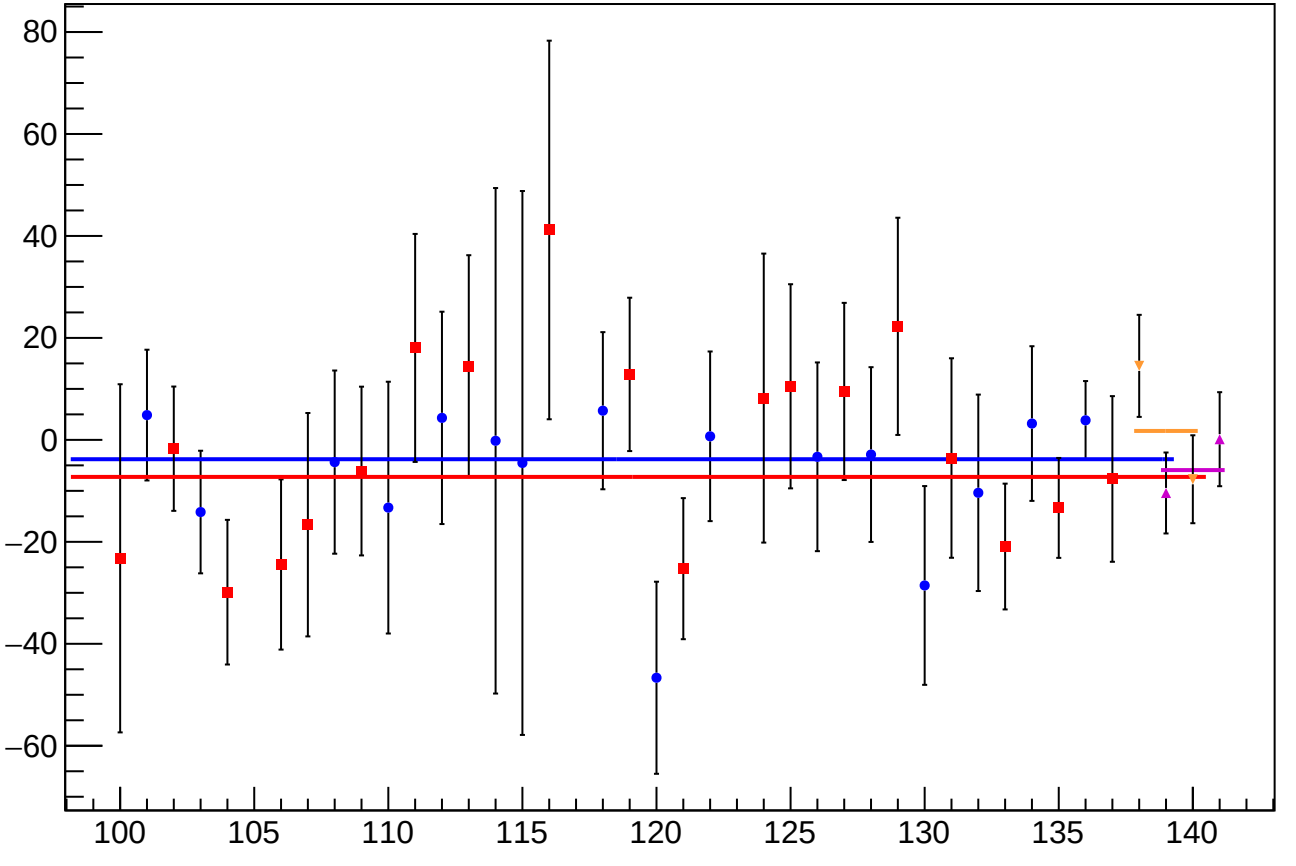
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 1103.402+/-0.303 χ^2/NDF:4377137.3/17

Out: 1178.886+/-0.324 χ^2/NDF:4386296.9/20

All: 1138.616+/-0.222 χ^2/NDF: 8792327.9/38

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 1.752+/-6.533 χ^2/NDF:2.8/1

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -5.926+/-6.017 χ^2/NDF:0.8/1

Left: -2.403+/-4.426 χ^2/NDF: 4.3/3

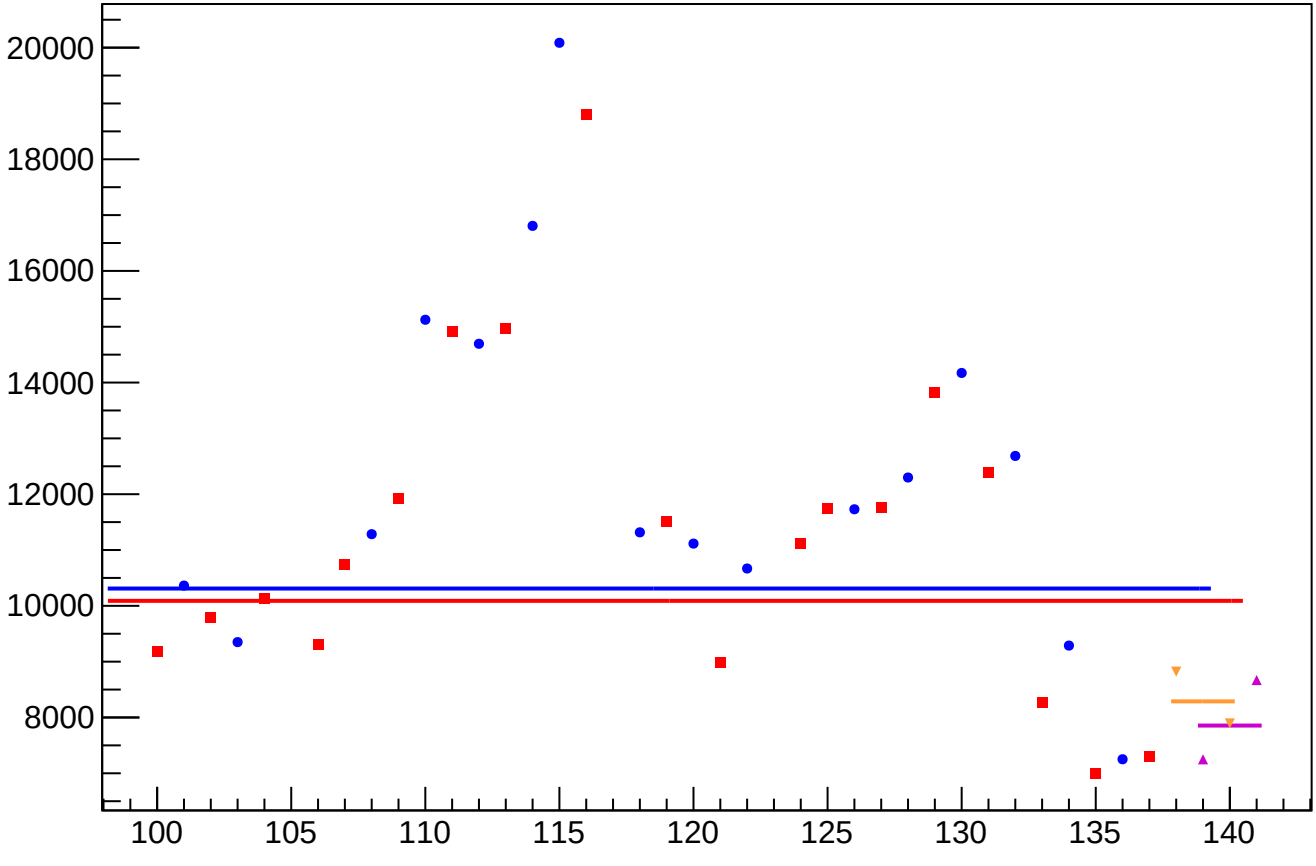
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -4.435+/-3.298 χ^2/NDF:10.9/17

Out: -4.979+/-3.289 χ^2/NDF:21.5/20

All: -4.708+/-2.329 χ^2/NDF: 32.4/38

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 8288.289+/-4.620 χ^2/NDF:9856.0/1

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 7855.116+/-4.254 χ^2/NDF:27243.2/1

Left: 8053.892+/-3.130 χ^2/NDF: 41856.5/3

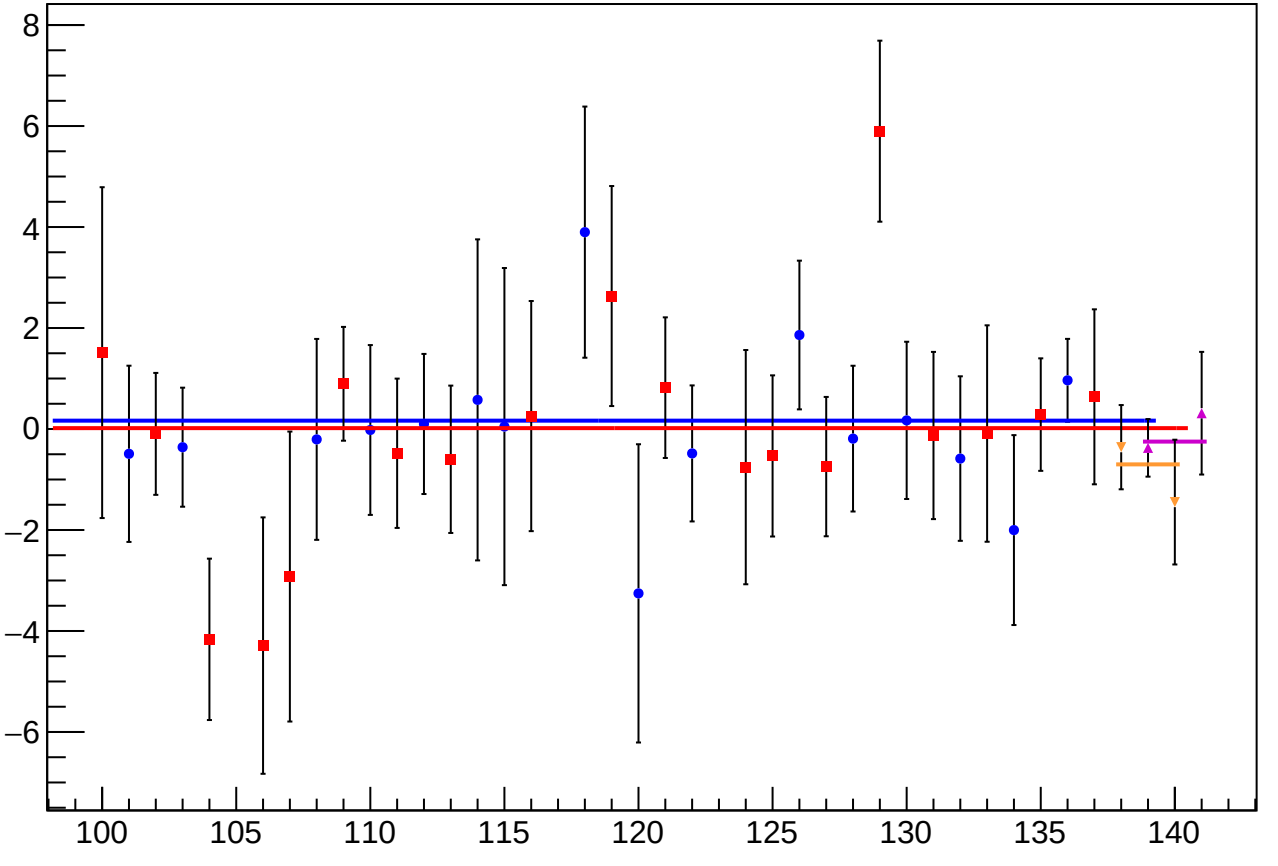
Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9572.383+/-2.332 χ^2/NDF:1030674.6/17

Out: 9633.019+/-2.326 χ^2/NDF:916135.6/20

All: 9602.781+/-1.647 χ^2/NDF: 1947149.1/38

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.700+/-0.691 χ^2/NDF:0.5/1

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.249+/-0.516 χ^2/NDF:0.3/1

Left: -0.411+/-0.414 χ^2/NDF: 1.1/3

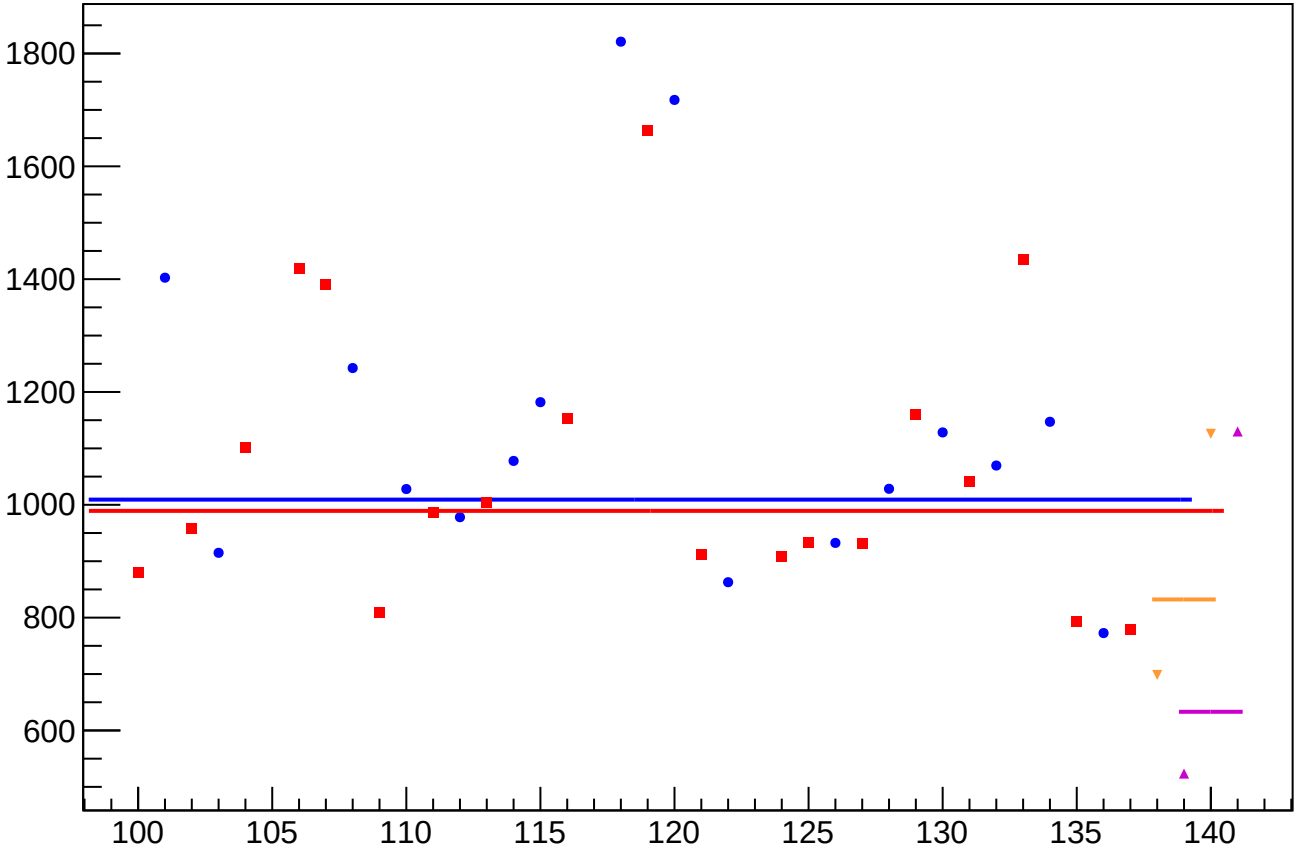
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.017+/-0.309 χ^2/NDF:8.8/17

Out: -0.144+/-0.328 χ^2/NDF:26.5/20

All: -0.059+/-0.225 χ^2/NDF: 35.5/38

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 832.268+/-0.489 χ^2/NDF:164492.0/1

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 633.119+/-0.365 χ^2/NDF:408474.3/1

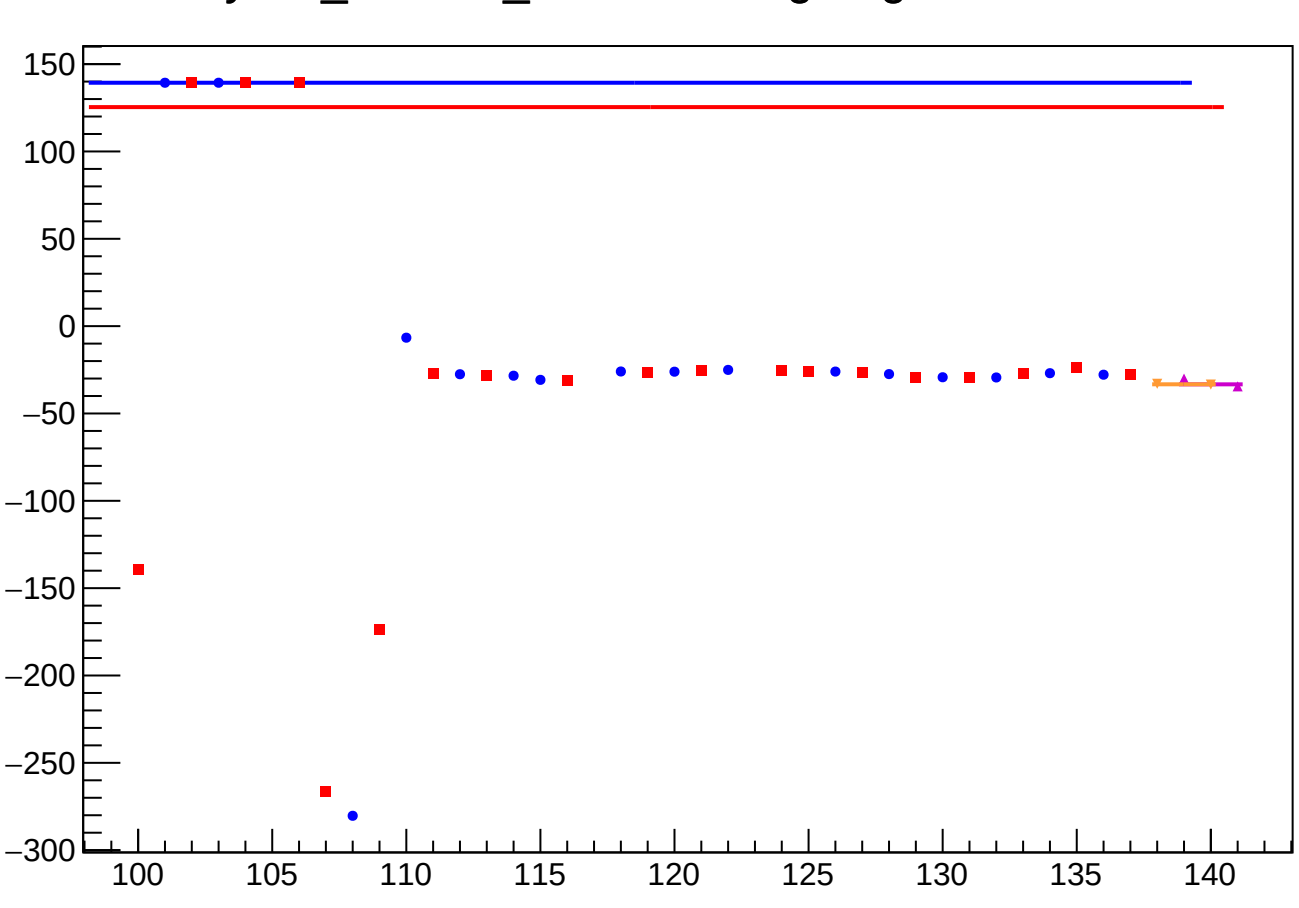
Left: 704.407+/-0.292 χ^2/NDF: 679511.8/3

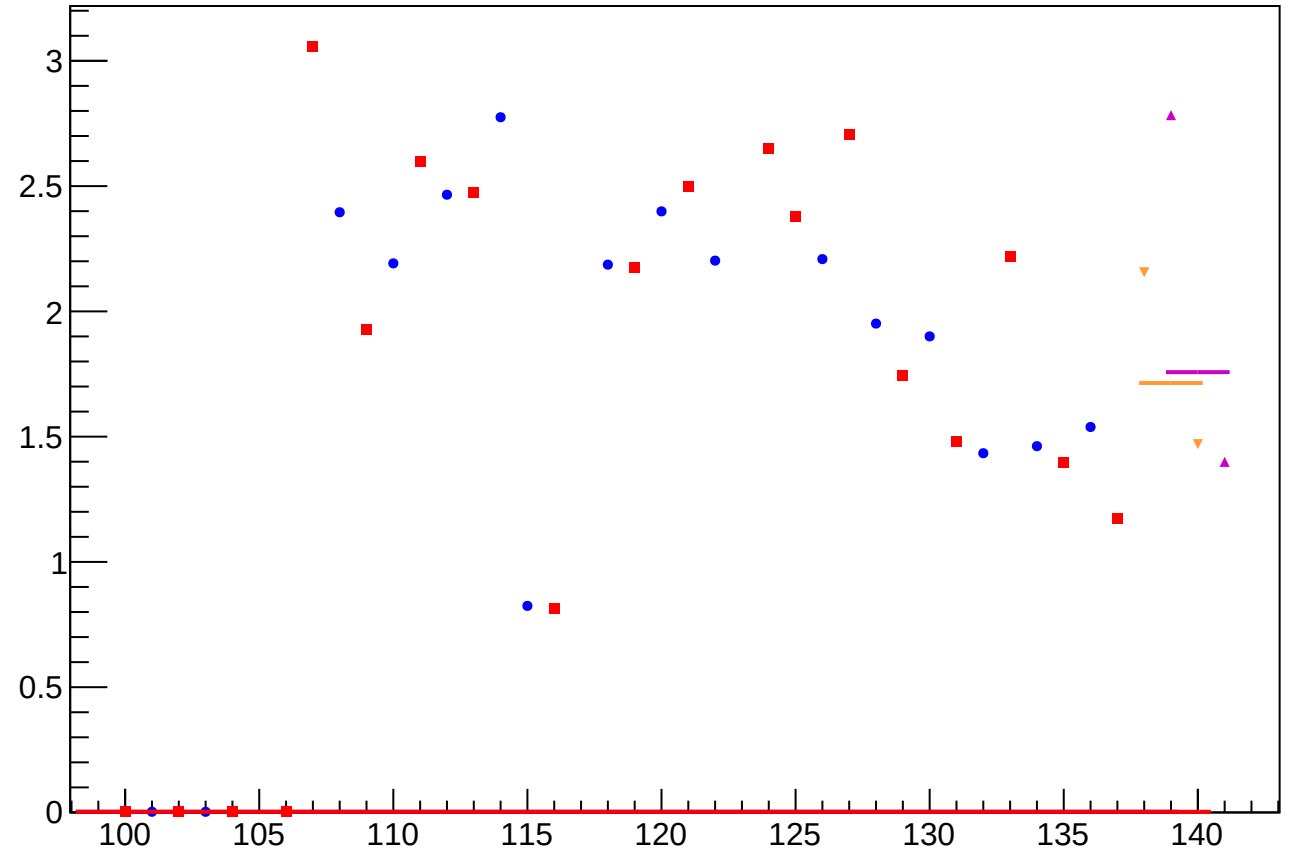
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 874.212+/-0.219 χ^2/NDF:1788282.2/17

Out: 953.969+/-0.232 χ^2/NDF:820188.1/20

All: 911.782+/-0.159 χ^2/NDF: 2671116.8/38


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
105
110
115
120
125
130
135
140
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -33.295+/-0.002 χ²/NDF:18342.4/1
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -33.317+/-0.002 χ²/NDF:1553538.4/1
Left: -33.306+/-0.001 χ²/NDF: 1571977.9/3
Right: 131.818+/-0.000 χ²/NDF: 793004999492497
In: 139.336+/-0.000 χ²/NDF:59283783211.7/17
Out: 125.391+/-0.000 χ²/NDF:774183152870187.
All: 131.818+/-0.000 χ²/NDF: 793027018418



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.714+/-0.001 χ^2/NDF:85951.5/1

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.757+/-0.001 χ^2/NDF:300579.9/1

Left: 1.736+/-0.001 χ^2/NDF: 387286.0/3

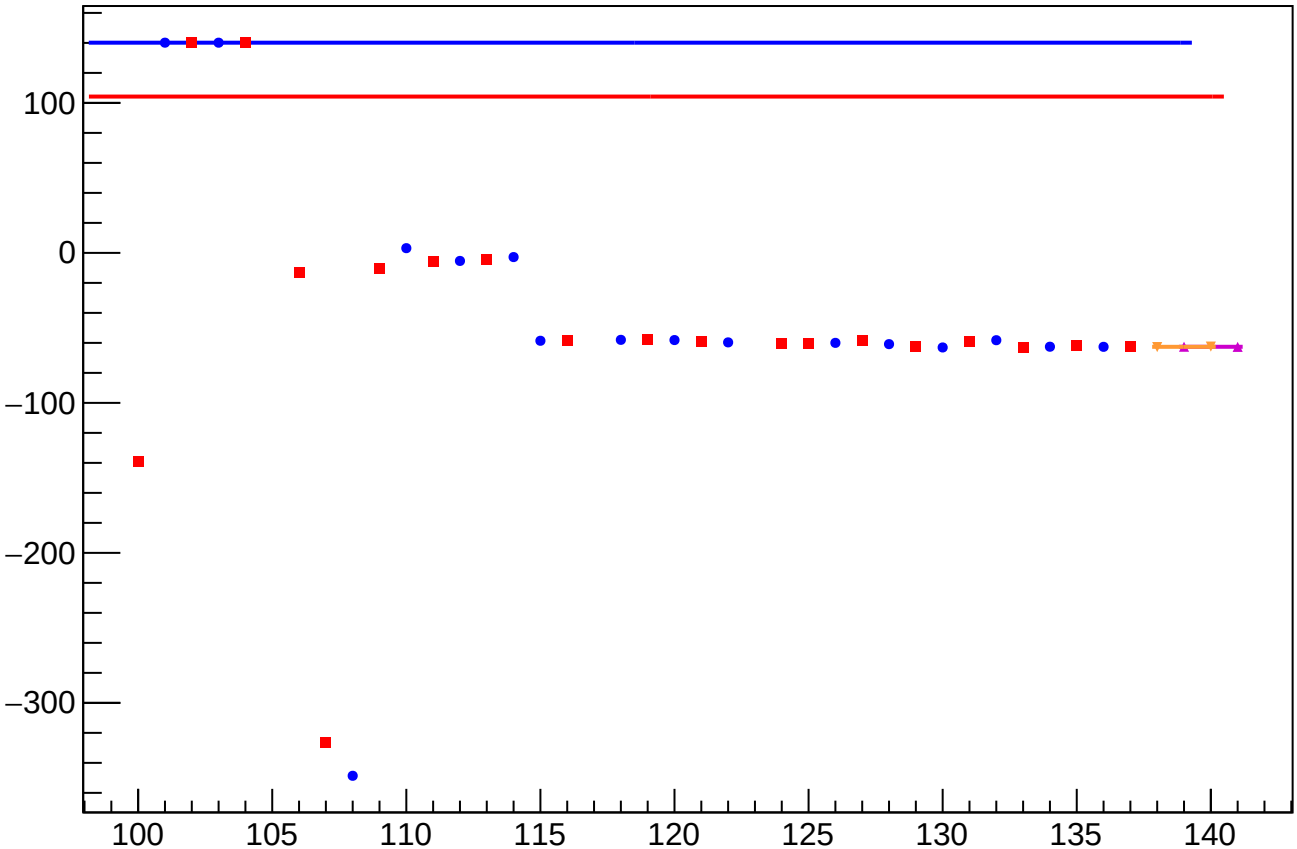
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:12385481.6/17

Out: 0.003+/-0.000 χ^2/NDF:12154074.3/20

All: 0.003+/-0.000 χ^2/NDF: 24539748.5/38

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -62.625+/-0.001 χ^2/NDF:98307.4/1

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -62.601+/-0.001 χ^2/NDF:9656.7/1

Left: -62.613+/-0.000 χ^2/NDF: 109071.5/3

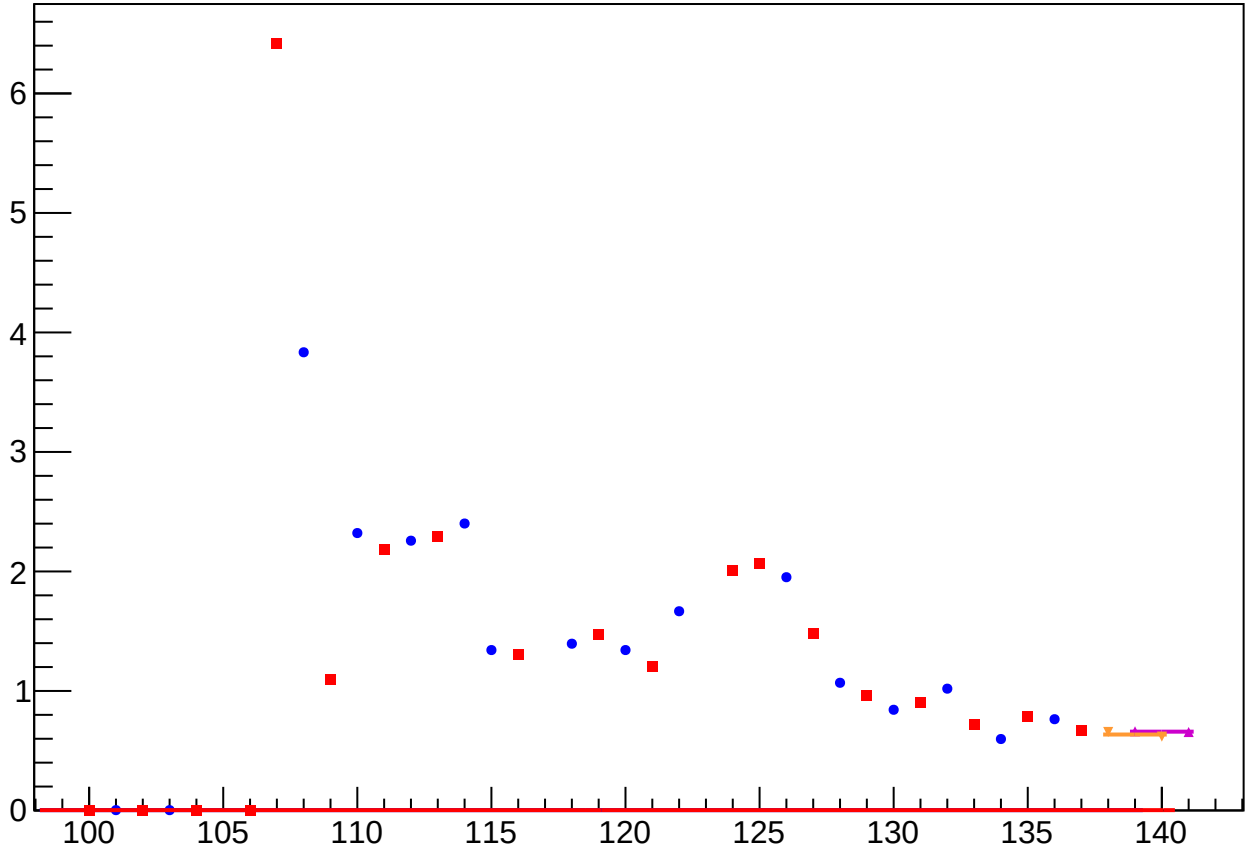
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.139+/-0.000 χ^2/NDF:345237941132.2/17

Out: 104.221+/-0.000 χ^2/NDF:125750830301885

All: 120.828+/-0.000 χ^2/NDF: 13811535163

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.635+/-0.000 χ^2/NDF:2866.7/1

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.659+/-0.000 χ^2/NDF:66.4/1

Left: 0.647+/-0.000 χ^2/NDF: 5127.6/3

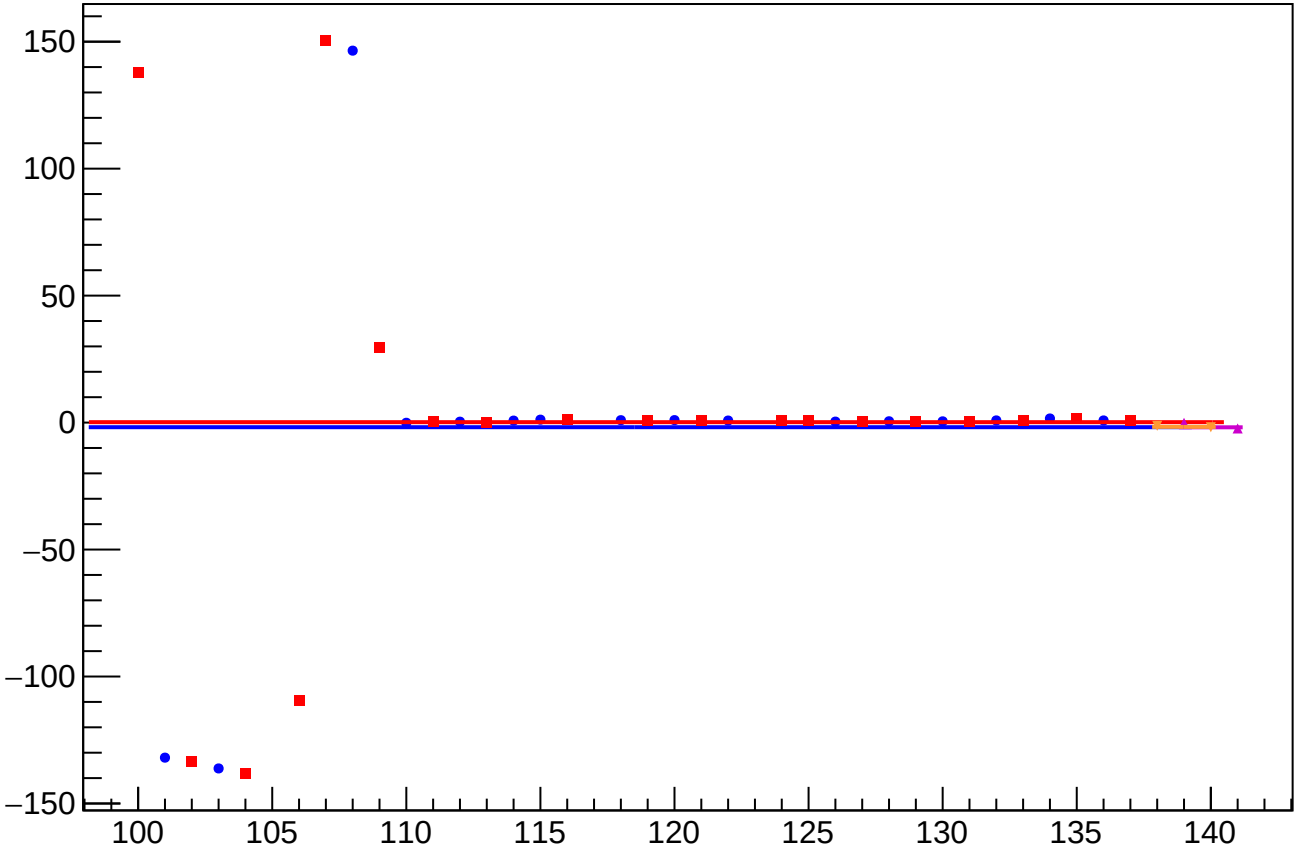
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:13888997.5/17

Out: 0.003+/-0.000 χ^2/NDF:13330770.1/20

All: 0.003+/-0.000 χ^2/NDF: 27220006.7/38

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -1.692+/-0.001 χ^2/NDF:240760.5/1

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -1.859+/-0.001 χ^2/NDF:2782979.1/1

Left: -1.773+/-0.000 χ^2/NDF: 3073704.7/3

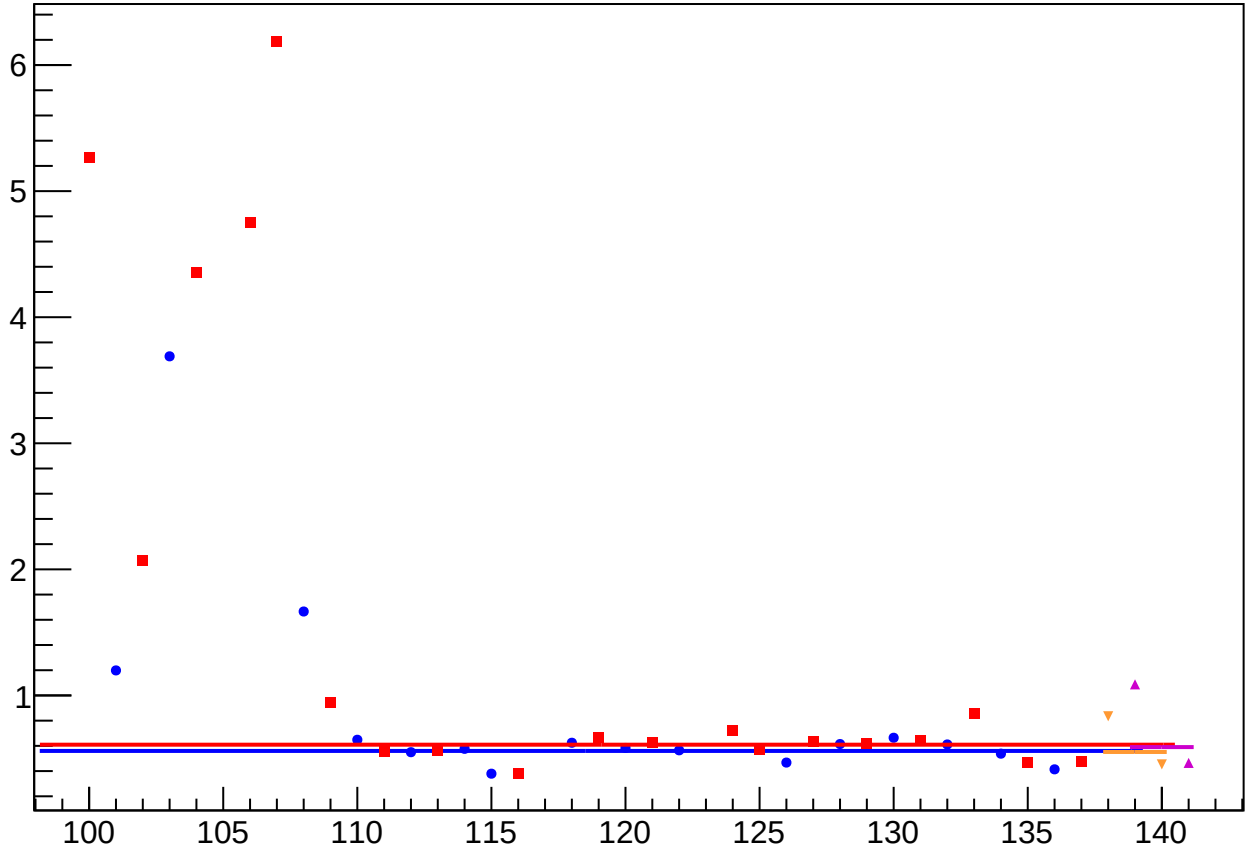
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.825+/-0.000 χ^2/NDF:9889965098.3/17

Out: -0.238+/-0.000 χ^2/NDF:3621502094.9/20

All: -1.087+/-0.000 χ^2/NDF: 13534491171.3/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.552+/-0.000 χ^2/NDF:206749.0/1

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.590+/-0.000 χ^2/NDF:440322.9/1

Left: 0.570+/-0.000 χ^2/NDF: 652497.4/3

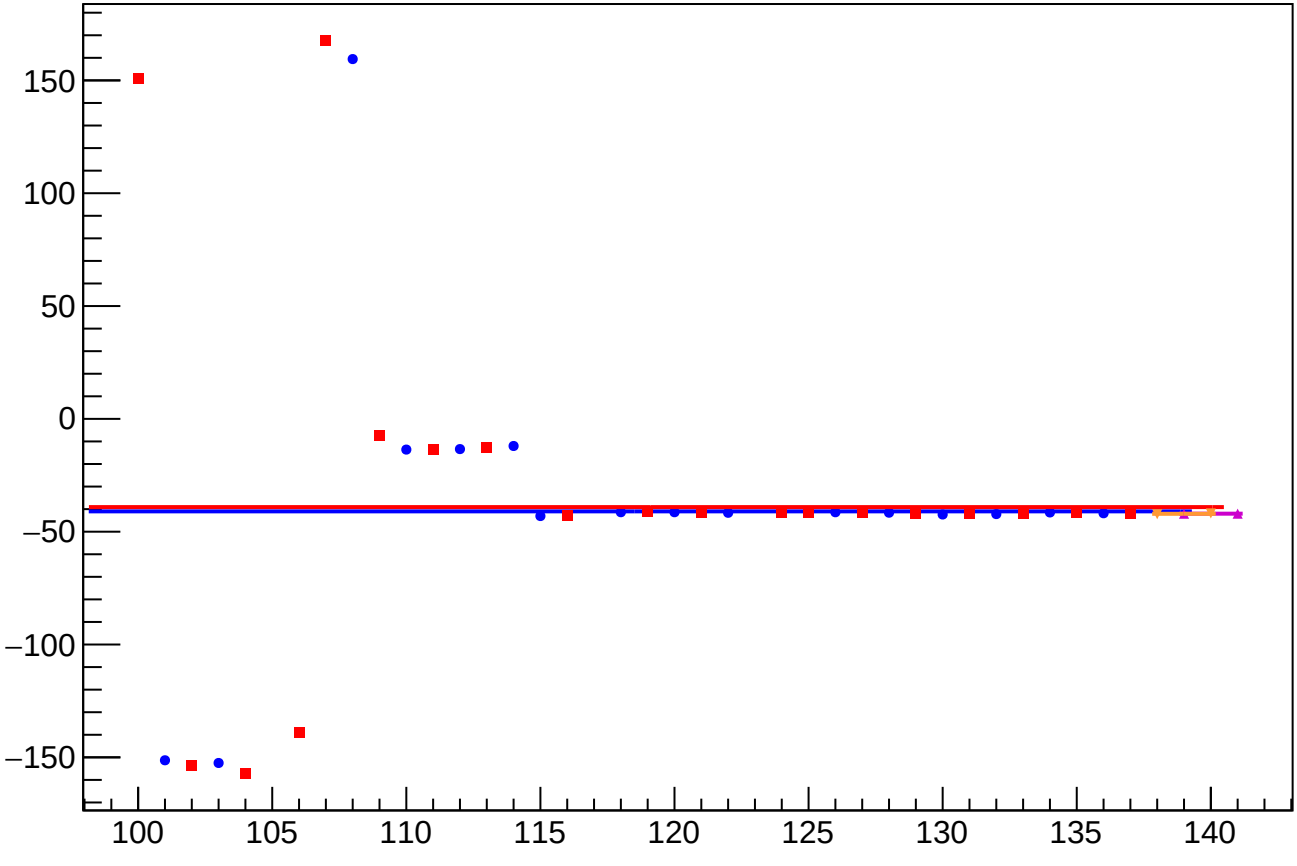
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.565+/-0.000 χ^2/NDF:2044139.7/17

Out: 0.597+/-0.000 χ^2/NDF:2702149.1/20

All: 0.580+/-0.000 χ^2/NDF: 4764449.0/38

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -42.073+/-0.000 χ^2/NDF:211878.1/1

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -42.017+/-0.000 χ^2/NDF:349.2/1

Left: -42.043+/-0.000 χ^2/NDF: 223295.5/3

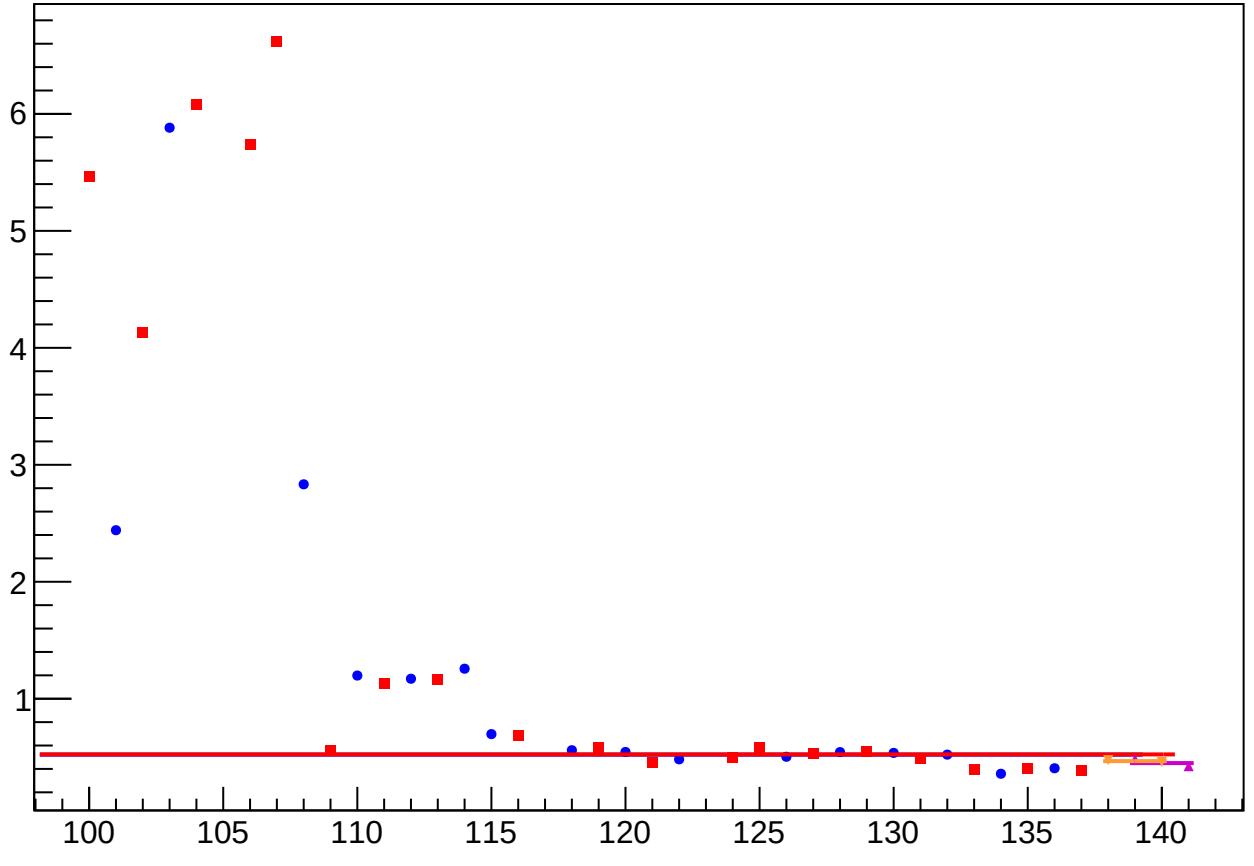
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.282+/-0.000 χ^2/NDF:3455216547.9/17

Out: -39.884+/-0.000 χ^2/NDF:2522047624.5/20

All: -40.604+/-0.000 χ^2/NDF: 6001712802.2/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.467+/-0.000 χ^2/NDF:844.5/1

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.450+/-0.000 χ^2/NDF:13495.8/1

Left: 0.458+/-0.000 χ^2/NDF: 16273.1/3

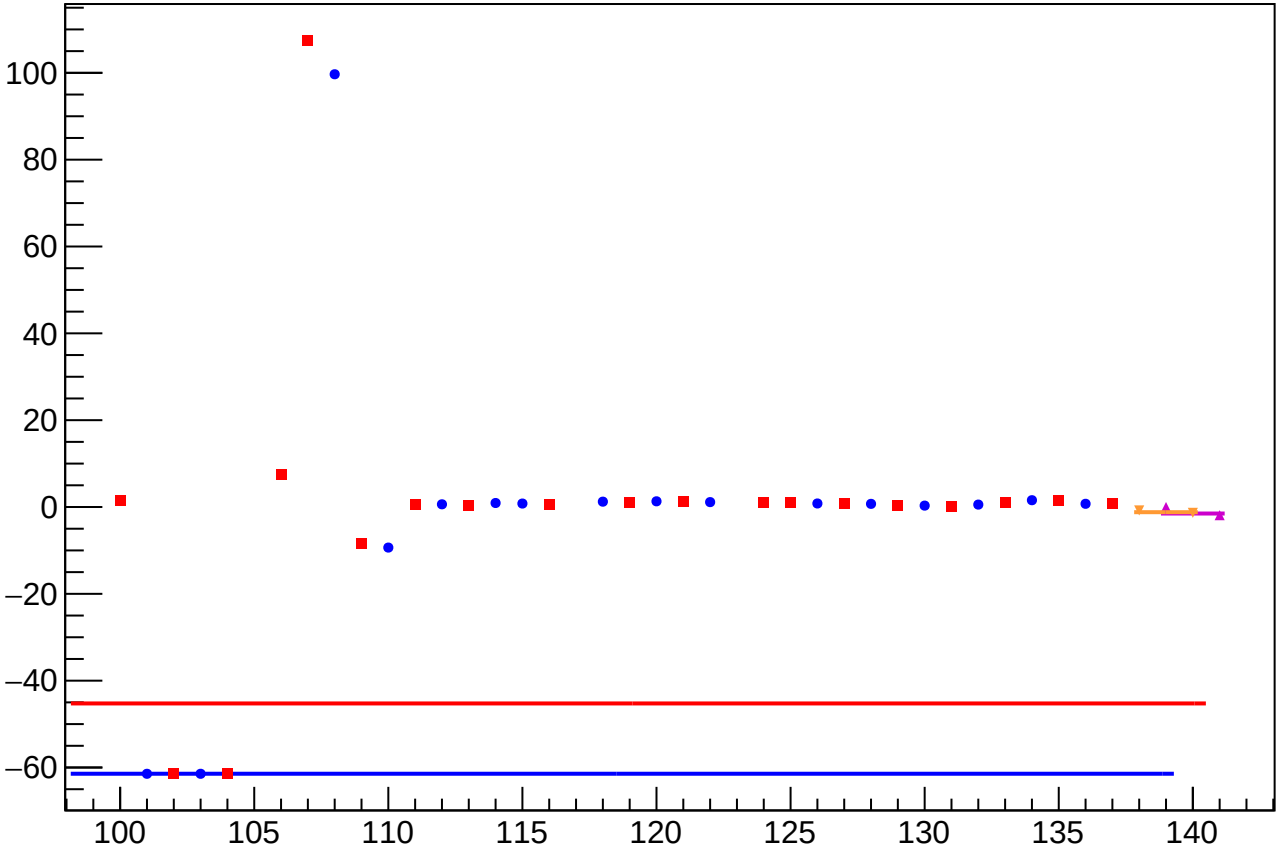
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.501+/-0.000 χ^2/NDF:3017767.5/17

Out: 0.509+/-0.000 χ^2/NDF:3296324.8/20

All: 0.505+/-0.000 χ^2/NDF: 6315496.6/38

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -1.194+/-0.000 χ^2/NDF:304722.5/1

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: -1.502+/-0.000 χ^2/NDF:2891561.6/1

Left: -1.349+/-0.000 χ^2/NDF: 3434794.0/3

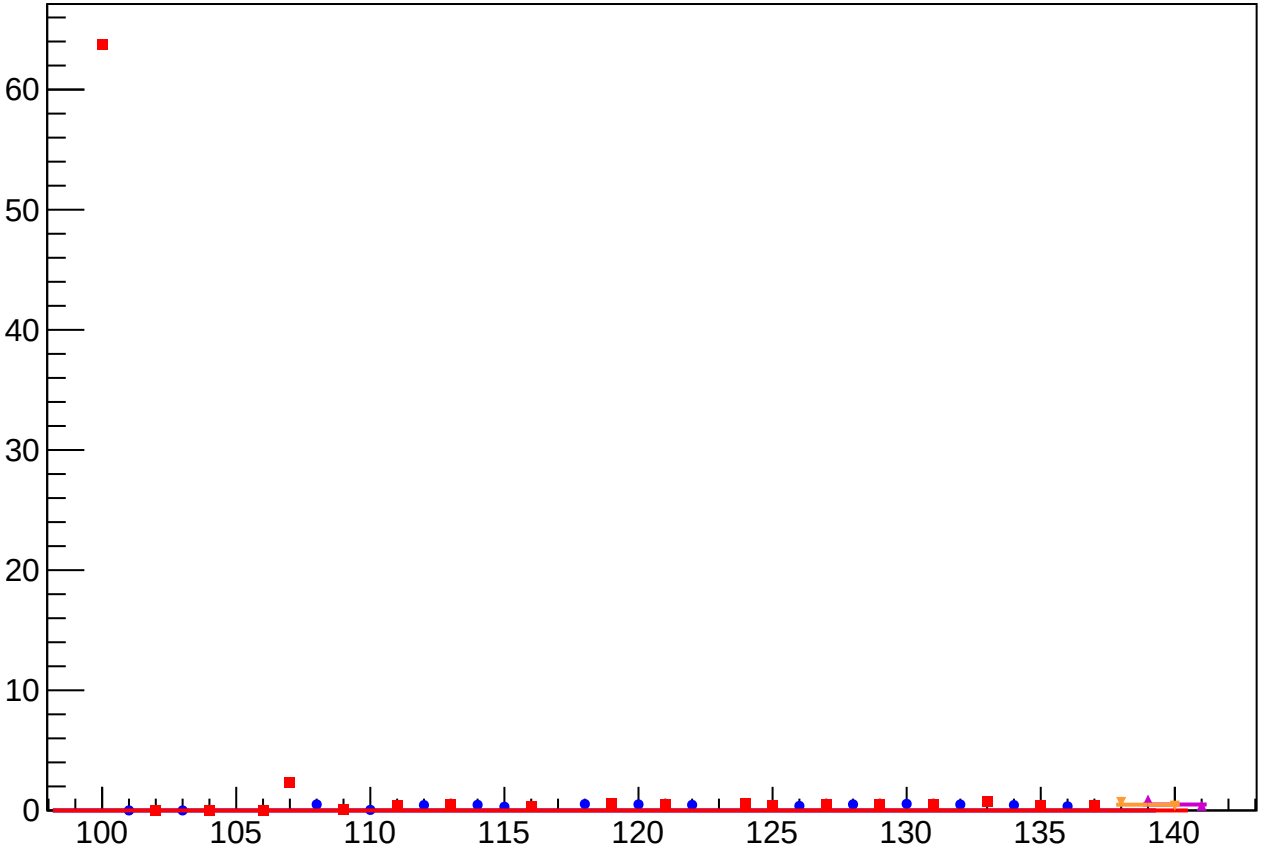
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.435+/-0.000 χ^2/NDF:291580109558.7/17

Out: -45.245+/-0.000 χ^2/NDF:357880016984493.4

All: -52.748+/-0.000 χ^2/NDF: 409148411252

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.481+/-0.000 χ^2/NDF:189238.9/1

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.495+/-0.000 χ^2/NDF:432233.1/1

Left: 0.488+/-0.000 χ^2/NDF: 622508.1/3

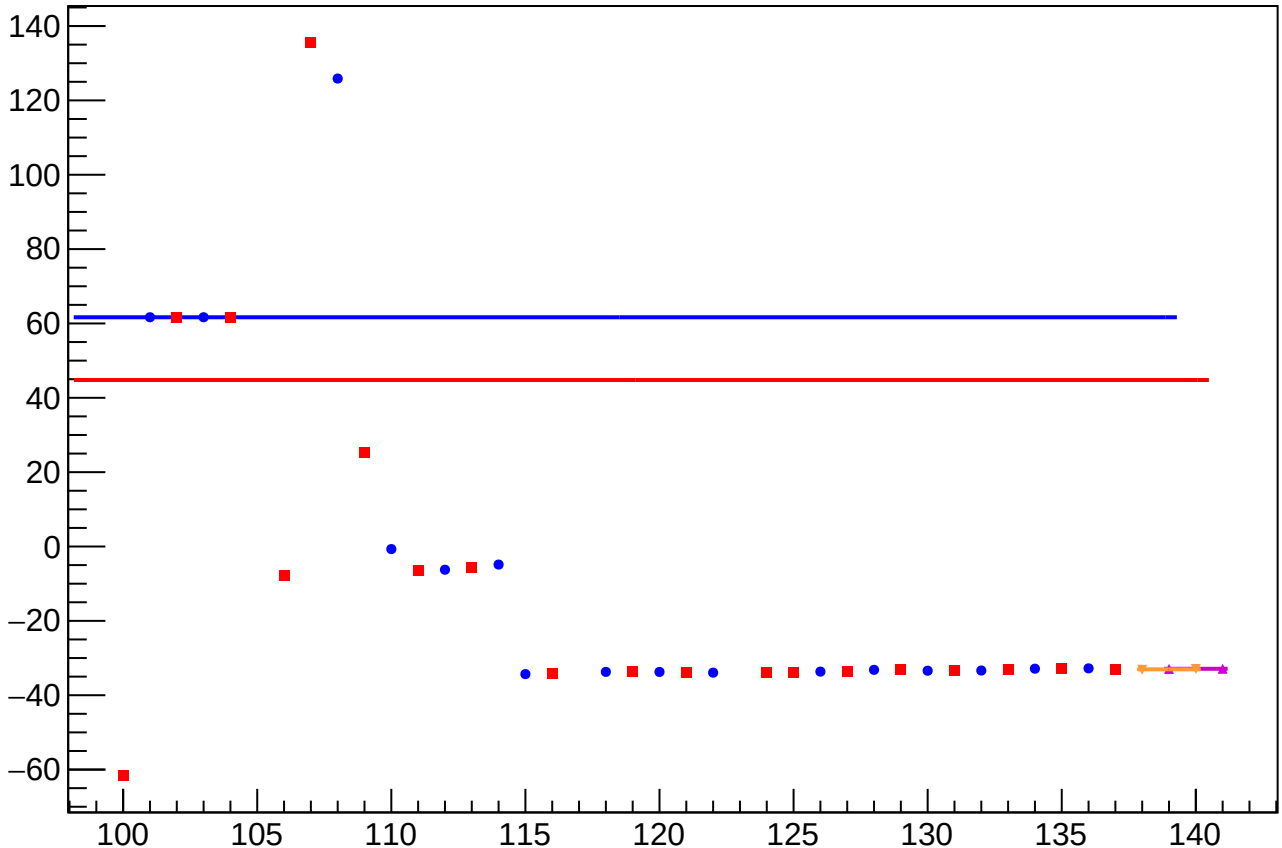
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:12042788.3/17

Out: 0.001+/-0.000 χ^2/NDF:11829155.6/20

All: 0.001+/-0.000 χ^2/NDF: 23871948.8/38

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -33.039+/-0.000 χ^2/NDF:179514.5/1

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.891+/-0.000 χ^2/NDF:11084.3/1

Left: -32.959+/-0.000 χ^2/NDF: 372645.9/3

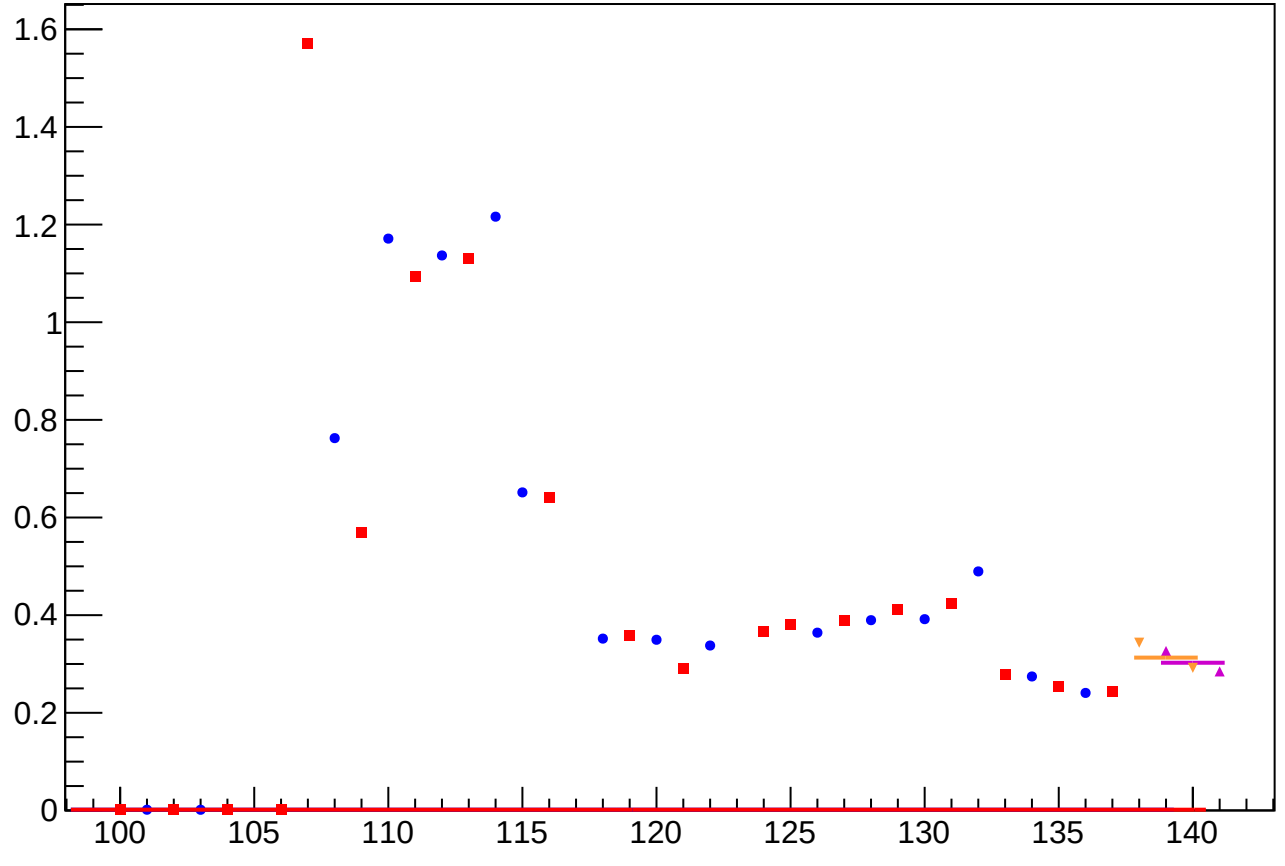
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.657+/-0.000 χ^2/NDF:530633519387.2/17

Out: 44.782+/-0.000 χ^2/NDF:366188215484745.2

All: 52.685+/-0.000 χ^2/NDF: 417813490239

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.313+/-0.000 χ^2/NDF:19766.2/1

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.303+/-0.000 χ^2/NDF:15401.5/1

Left: 0.307+/-0.000 χ^2/NDF: 37006.4/3

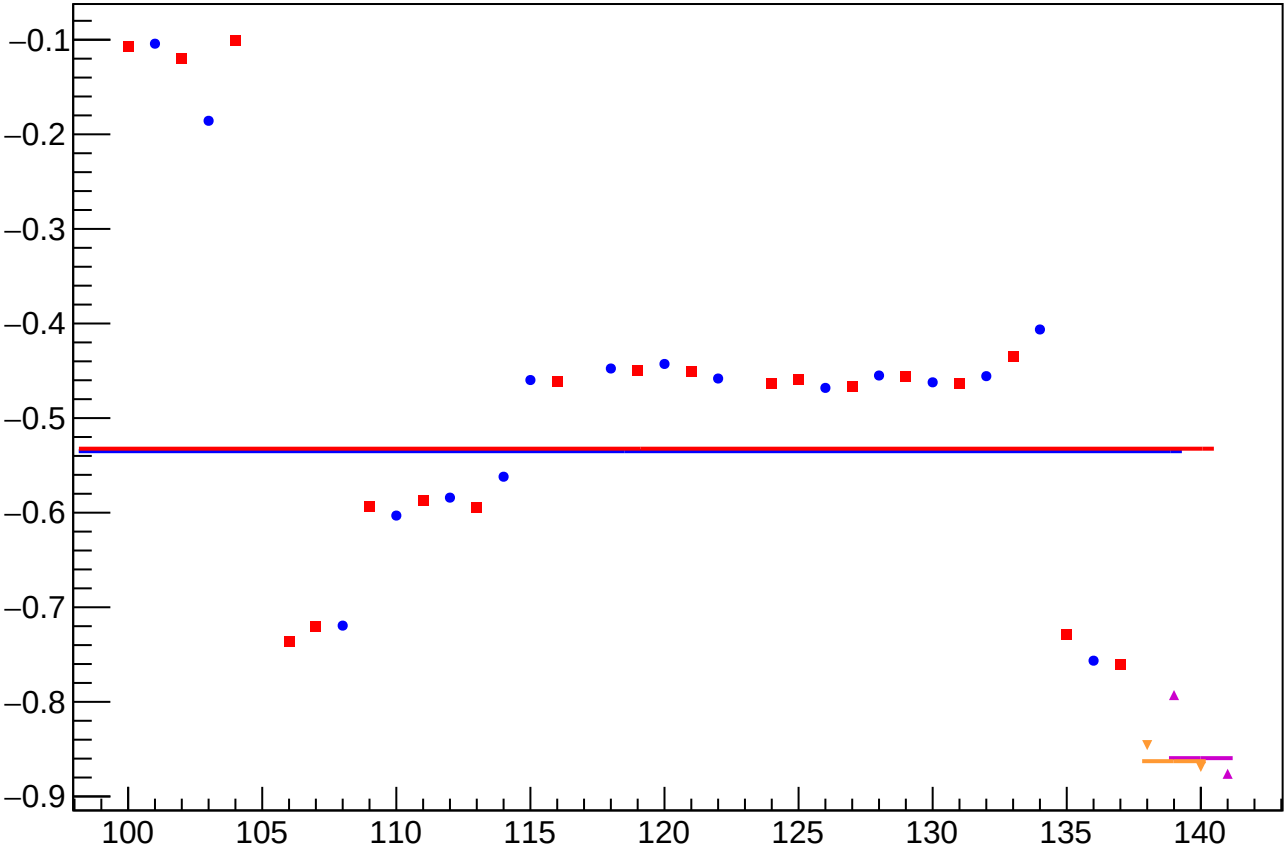
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:14306899.3/17

Out: 0.002+/-0.000 χ^2/NDF:13573072.8/20

All: 0.002+/-0.000 χ^2/NDF: 27880056.7/38

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.863+/-0.000 χ^2/NDF:292446.1/1

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.860+/-0.000 χ^2/NDF:2889585.6/1

Left: -0.861+/-0.000 χ^2/NDF: 3195957.4/3

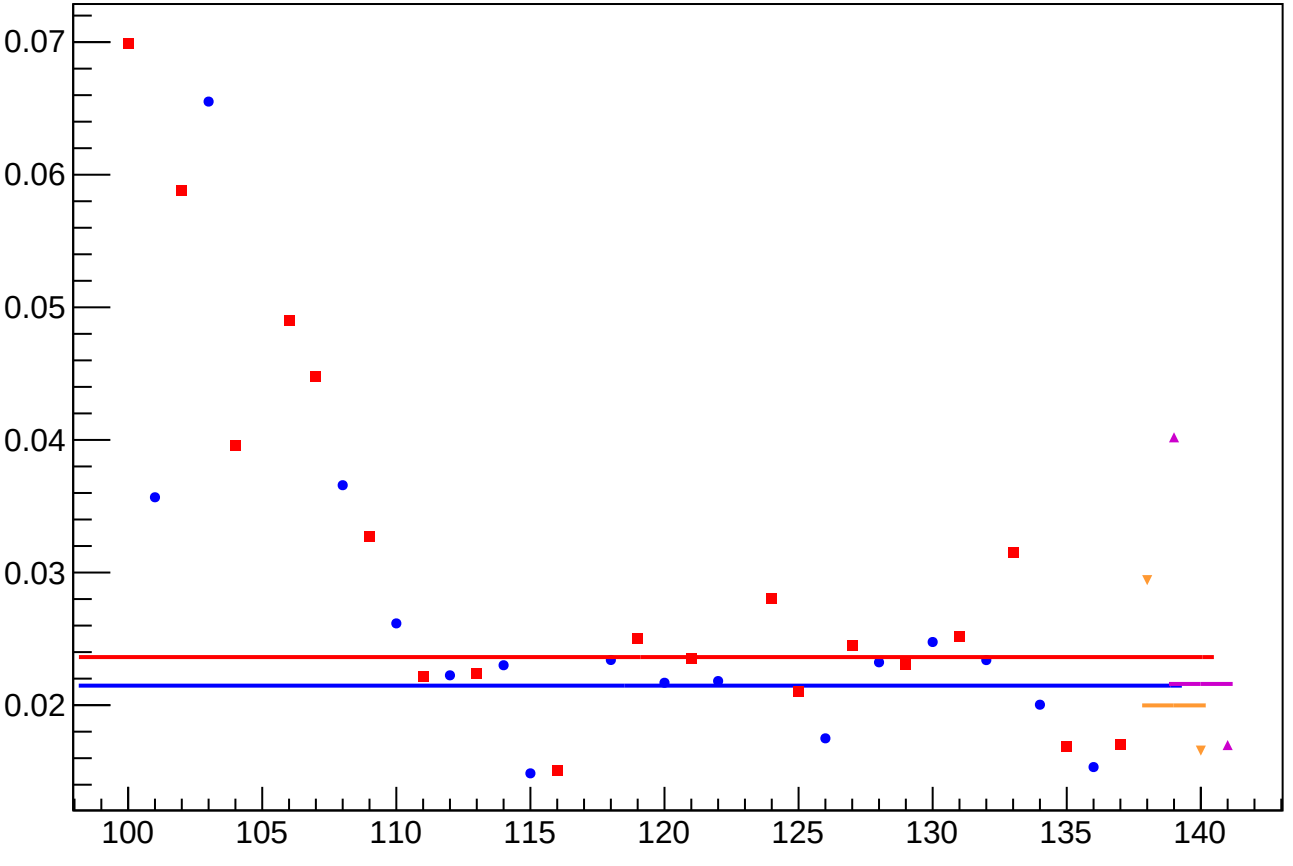
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.595+/-0.000 χ^2/NDF:529015108.9/17

Out: -0.605+/-0.000 χ^2/NDF:454164765.7/20

All: -0.600+/-0.000 χ^2/NDF: 983889189.2/38

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.020+/-0.000 χ^2/NDF:181373.2/1

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.022+/-0.000 χ^2/NDF:449402.2/1

Left: 0.021+/-0.000 χ^2/NDF: 637884.5/3

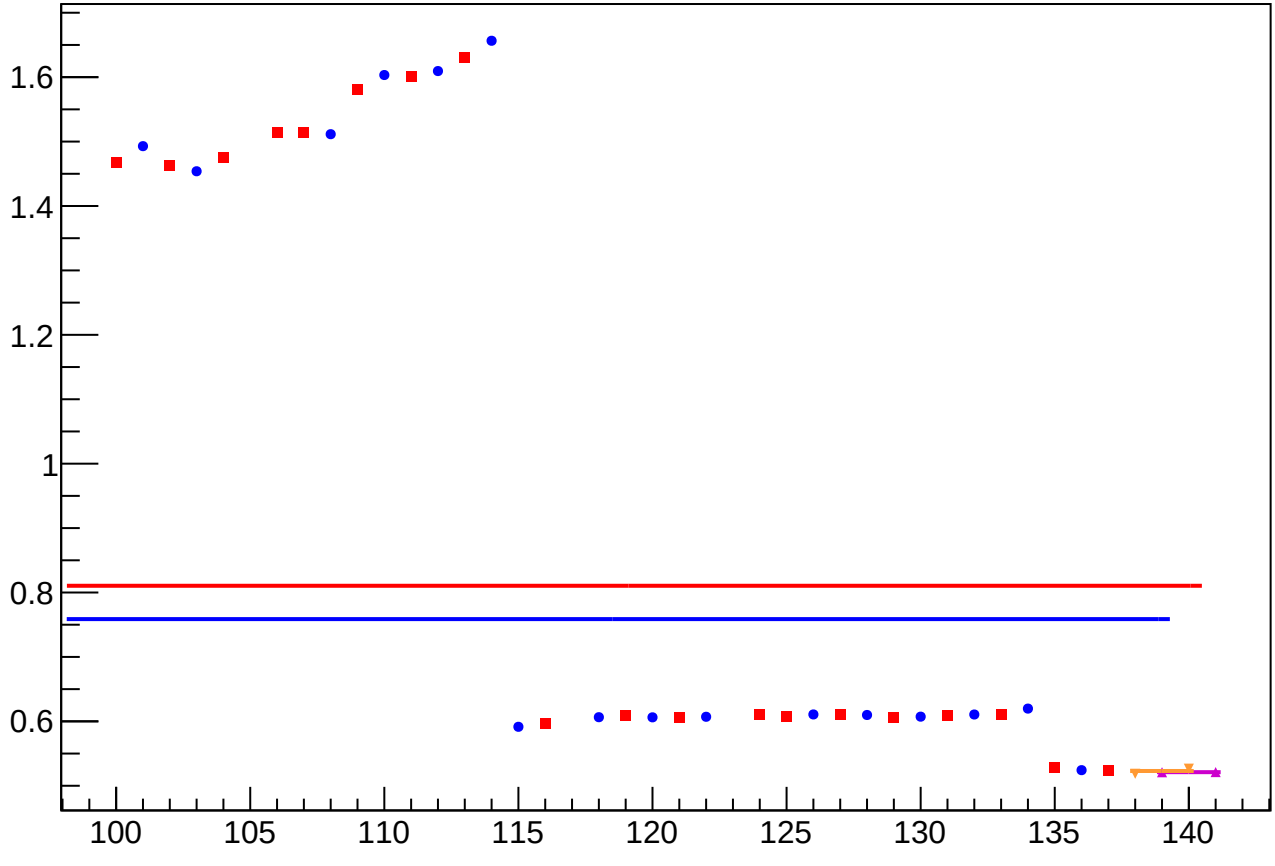
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1603460.0/17

Out: 0.023+/-0.000 χ^2/NDF:1516966.5/20

All: 0.022+/-0.000 χ^2/NDF: 3144261.9/38

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.523+/-0.000 χ^2/NDF:181057.7/1

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.521+/-0.000 χ^2/NDF:208.1/1

Left: 0.522+/-0.000 χ^2/NDF: 201439.2/3

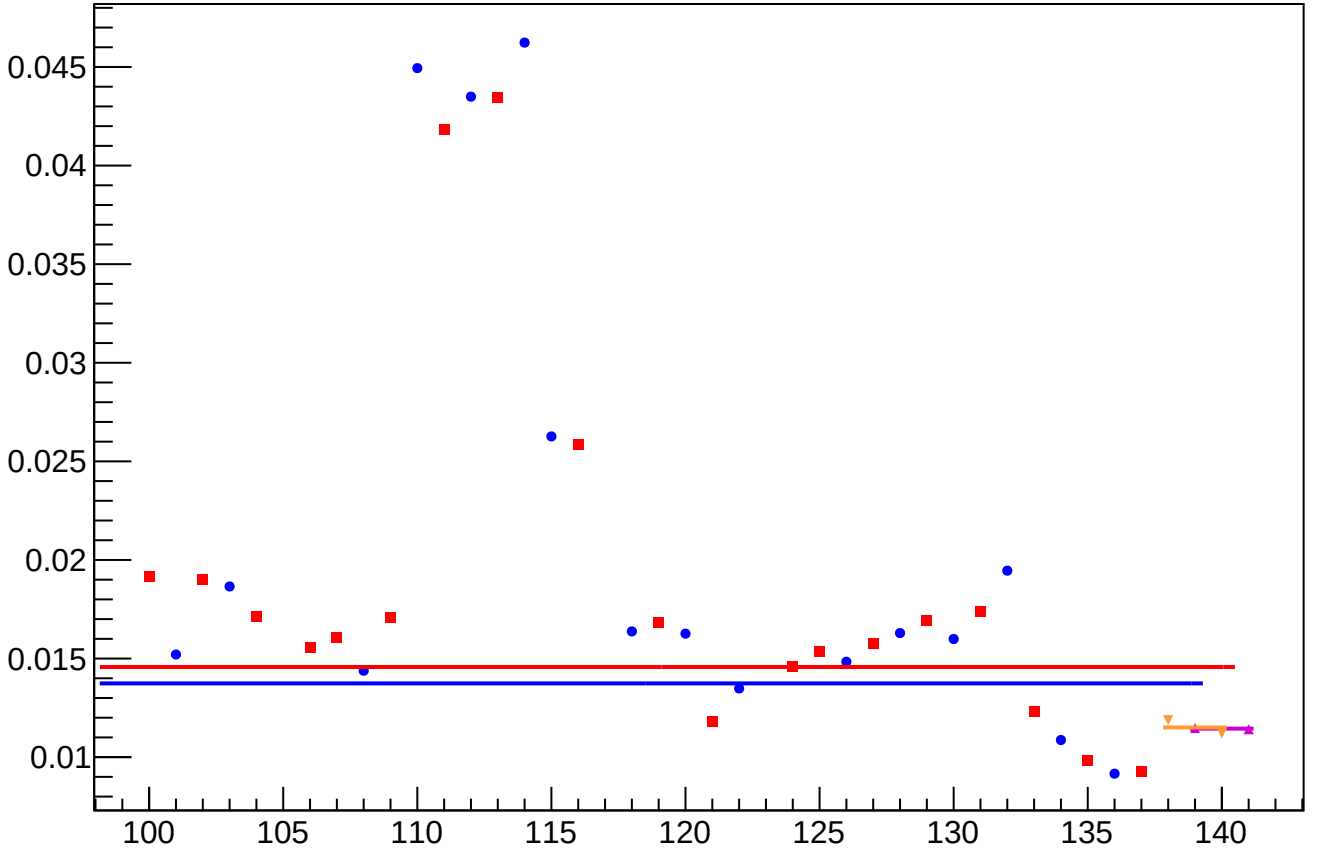
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.690+/-0.000 χ^2/NDF:4816865298.9/17

Out: 0.729+/-0.000 χ^2/NDF:5457606147.3/20

All: 0.709+/-0.000 χ^2/NDF: 10306402383.7/3

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:2599.3/1

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.011+/-0.000 χ^2/NDF:22.0/1

Left: 0.011+/-0.000 χ^2/NDF: 2664.0/3

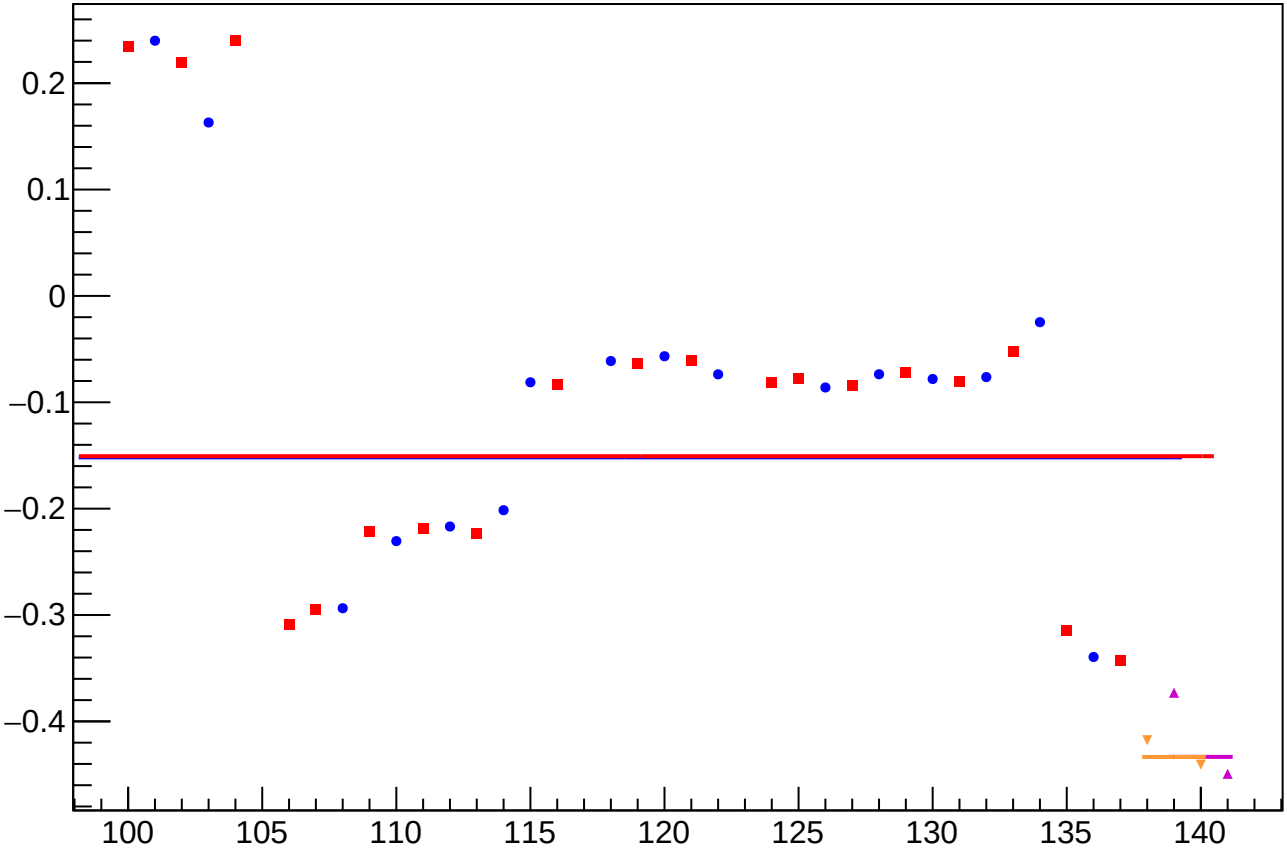
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:1745367.7/17

Out: 0.014+/-0.000 χ^2/NDF:1614067.2/20

All: 0.013+/-0.000 χ^2/NDF: 3375964.2/38

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.433+/-0.000 χ^2/NDF:298684.4/1

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.433+/-0.000 χ^2/NDF:2932556.9/1

Left: -0.433+/-0.000 χ^2/NDF: 3231247.4/3

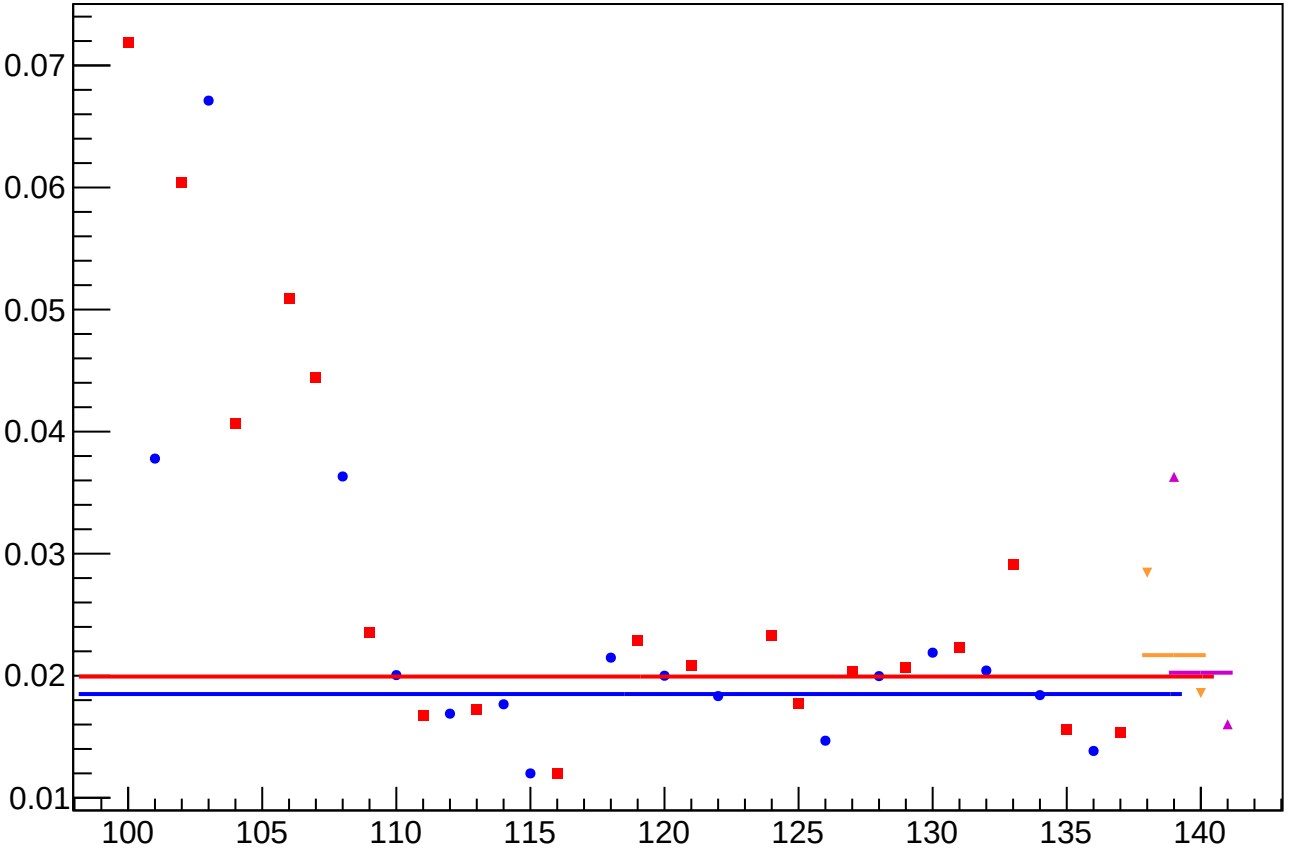
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.198+/-0.000 χ^2/NDF:482127009.8/17

Out: -0.196+/-0.000 χ^2/NDF:375965349.8/20

All: -0.197+/-0.000 χ^2/NDF: 858136248.6/38

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.022+/-0.000 χ^2/NDF:110258.8/1

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.020+/-0.000 χ^2/NDF:414967.5/1

Left: 0.021+/-0.000 χ^2/NDF: 531067.7/3

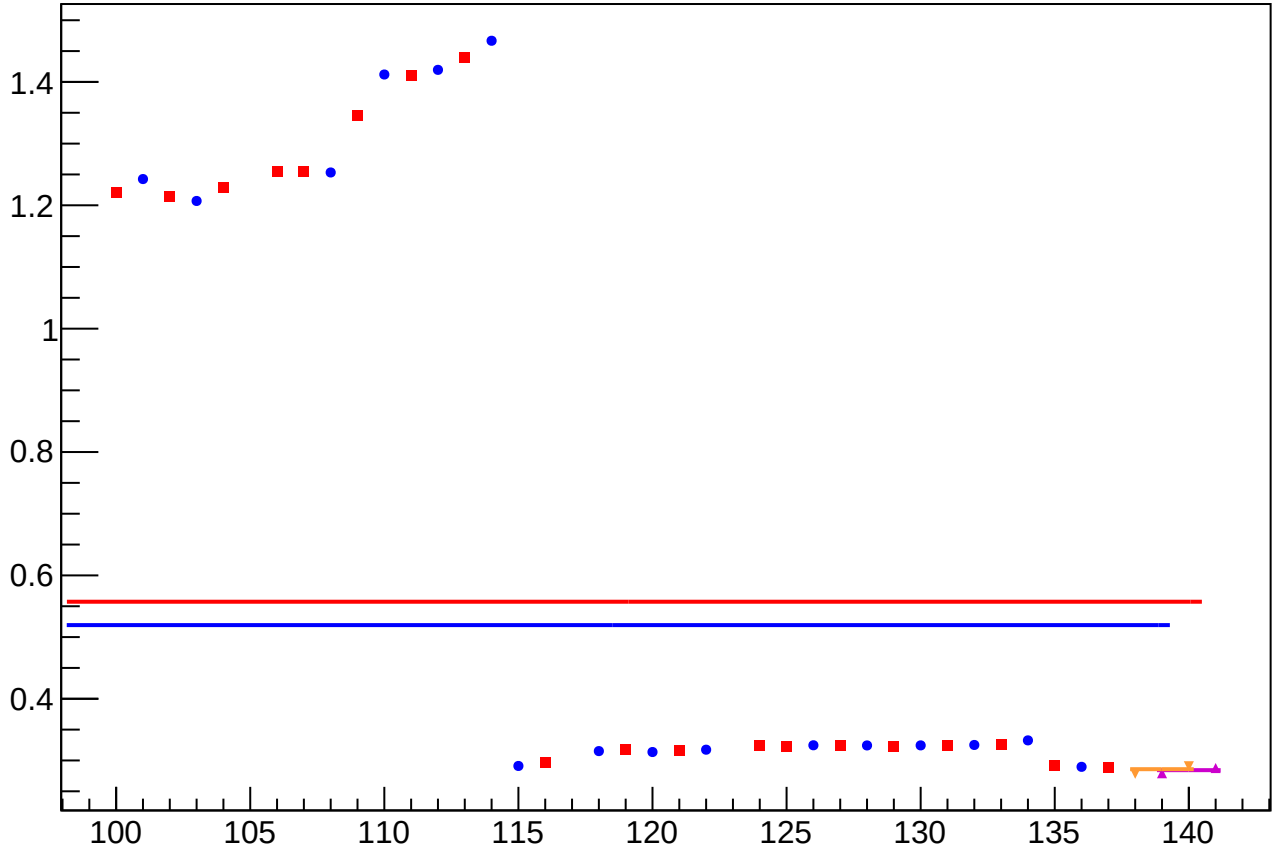
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1802981.2/17

Out: 0.020+/-0.000 χ^2/NDF:1671411.0/20

All: 0.019+/-0.000 χ^2/NDF: 3509606.5/38

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.286+/-0.000 χ^2/NDF:368988.7/1

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.284+/-0.000 χ^2/NDF:223511.2/1

Left: 0.285+/-0.000 χ^2/NDF: 606831.0/3

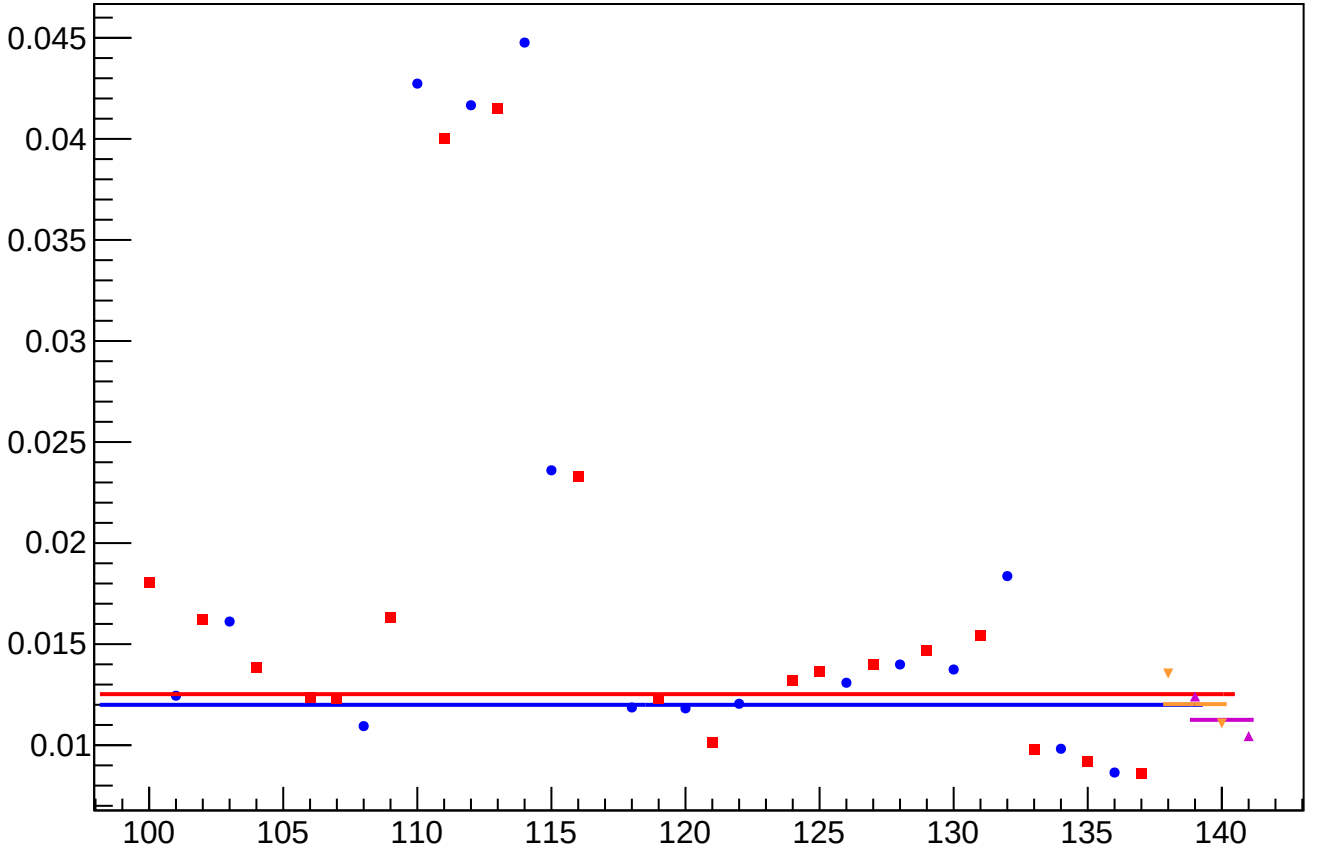
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.463+/-0.000 χ^2/NDF:6865313680.1/17

Out: 0.500+/-0.000 χ^2/NDF:7356870887.6/20

All: 0.481+/-0.000 χ^2/NDF: 14256465037.7/3

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:30339.0/1

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:24134.1/1

Left: 0.012+/-0.000 χ^2/NDF: 61491.3/3

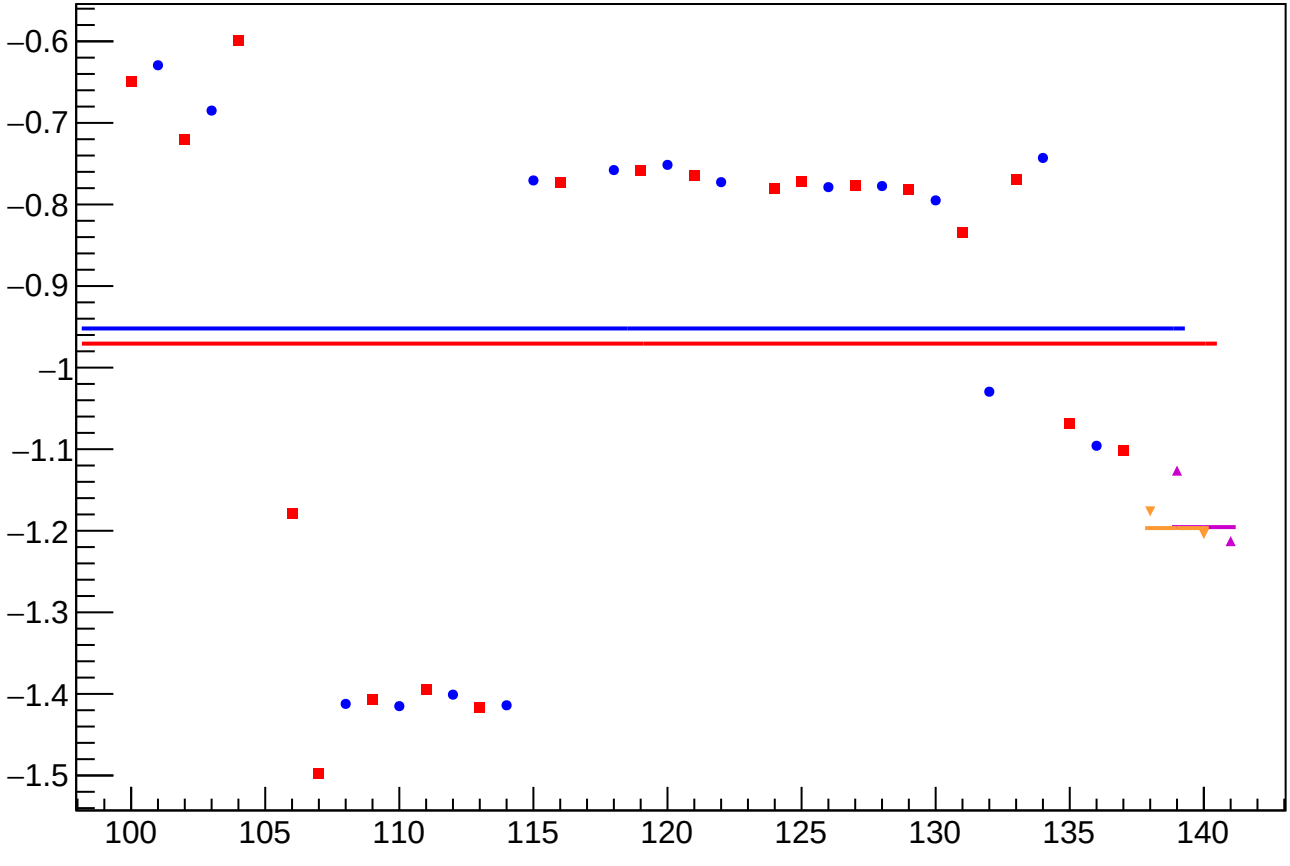
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1526632.5/17

Out: 0.012+/-0.000 χ^2/NDF:1468578.6/20

All: 0.012+/-0.000 χ^2/NDF: 3013907.7/38

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.197+/-0.000 χ^2/NDF:446928.5/1

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.196+/-0.000 χ^2/NDF:3269432.6/1

Left: -1.196+/-0.000 χ^2/NDF: 3718414.3/3

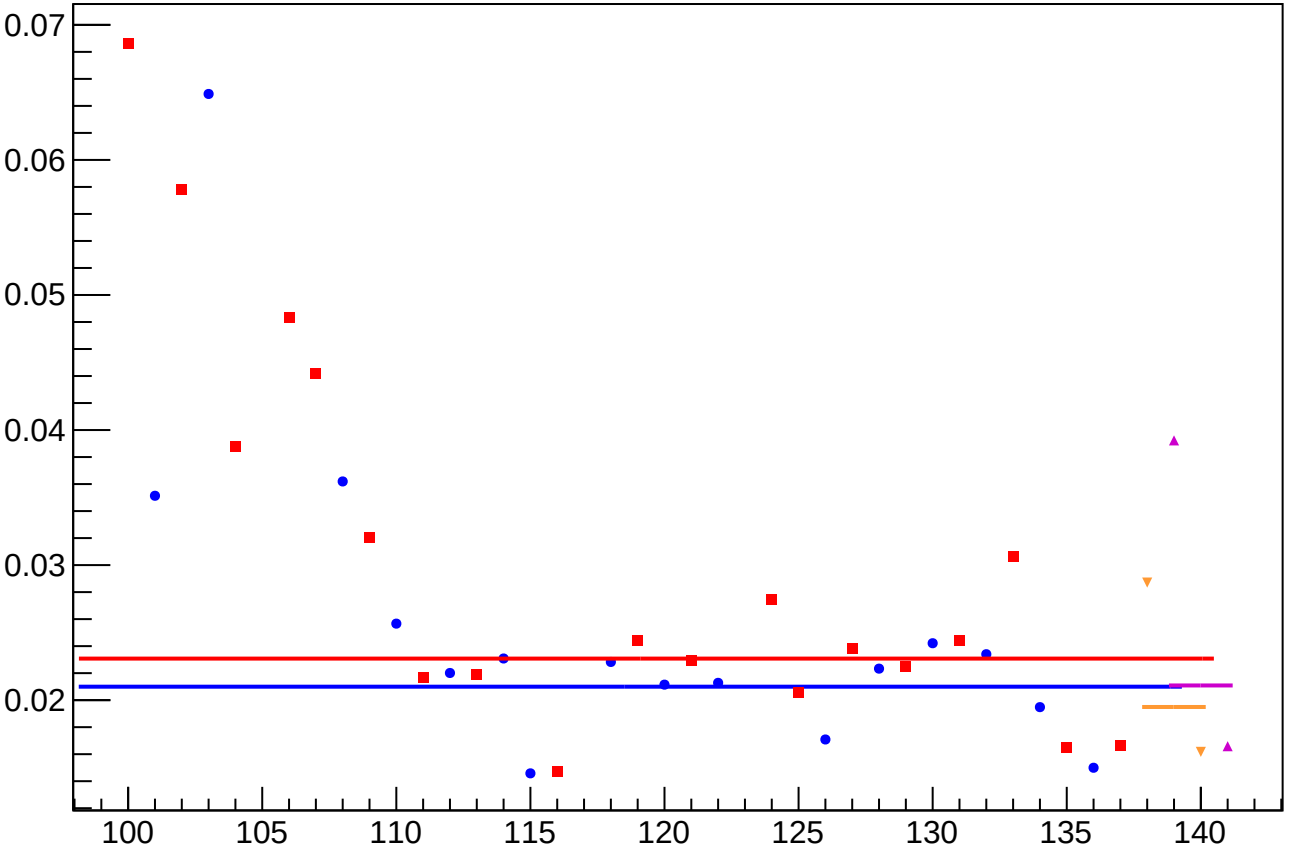
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -0.997+/-0.000 χ^2/NDF:835712933.5/17

Out: -1.021+/-0.000 χ^2/NDF:832910563.9/20

All: -1.008+/-0.000 χ^2/NDF: 1672541043.0/3

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:181309.6/1

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.021+/-0.000 χ^2/NDF:449084.1/1

Left: 0.020+/-0.000 χ^2/NDF: 637639.9/3

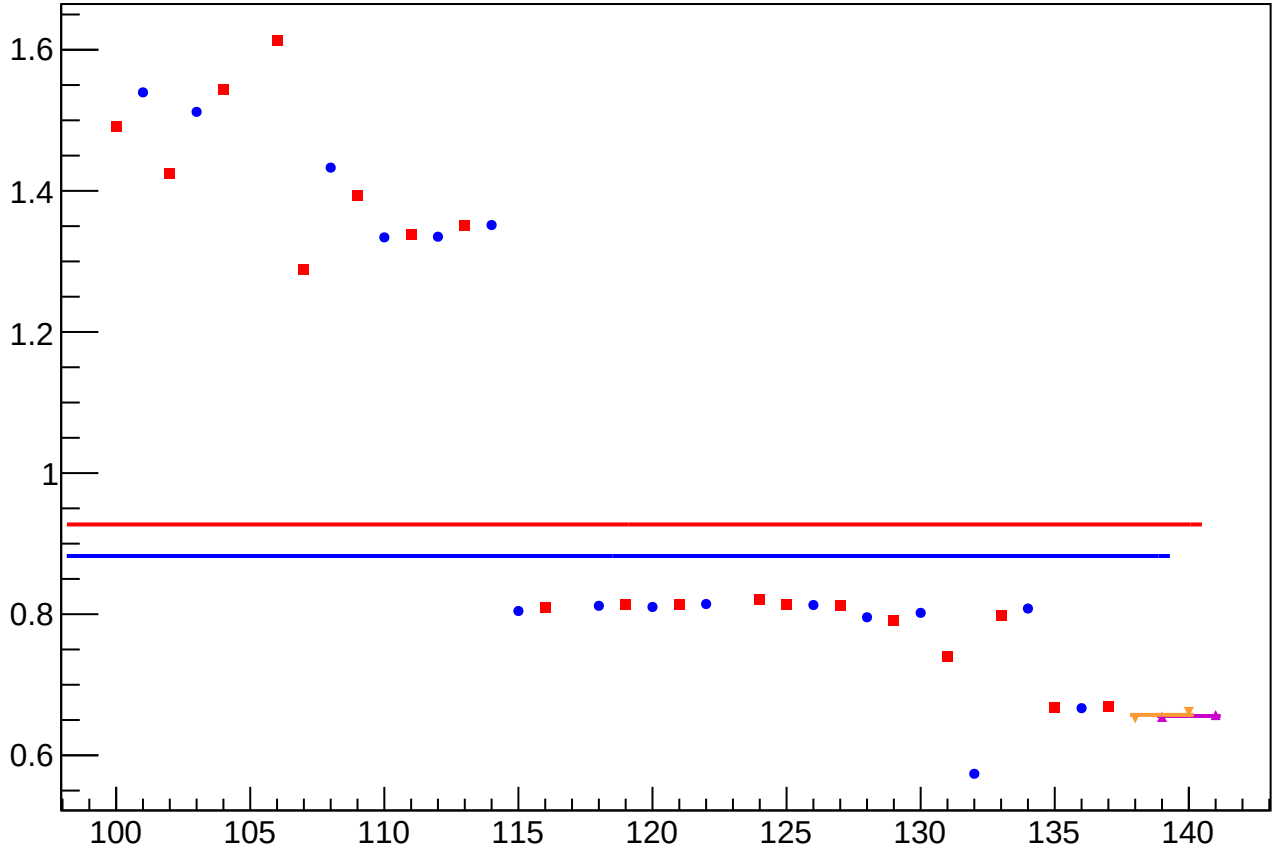
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.021+/-0.000 χ^2/NDF:1616114.1/17

Out: 0.022+/-0.000 χ^2/NDF:1521853.5/20

All: 0.022+/-0.000 χ^2/NDF: 3160762.9/38

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.657+/-0.000 χ^2/NDF:240535.8/1

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.656+/-0.000 χ^2/NDF:22461.5/1

Left: 0.656+/-0.000 χ^2/NDF: 277904.2/3

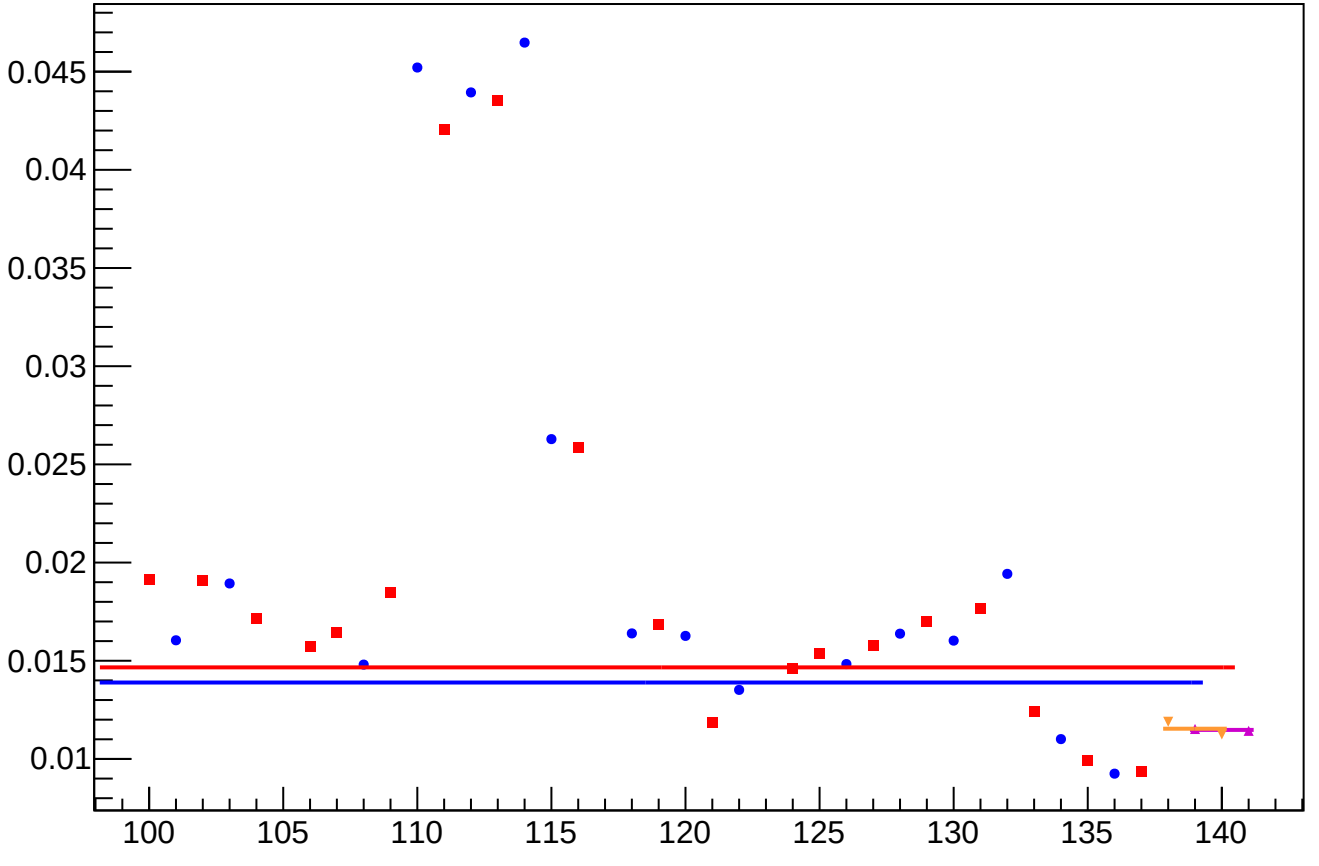
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.816+/-0.000 χ^2/NDF:3245658188.1/17

Out: 0.850+/-0.000 χ^2/NDF:3364179108.4/20

All: 0.833+/-0.000 χ^2/NDF: 6633806323.6/38

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:2387.2/1

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.011+/-0.000 χ^2/NDF:56.5/1

Left: 0.012+/-0.000 χ^2/NDF: 2488.7/3

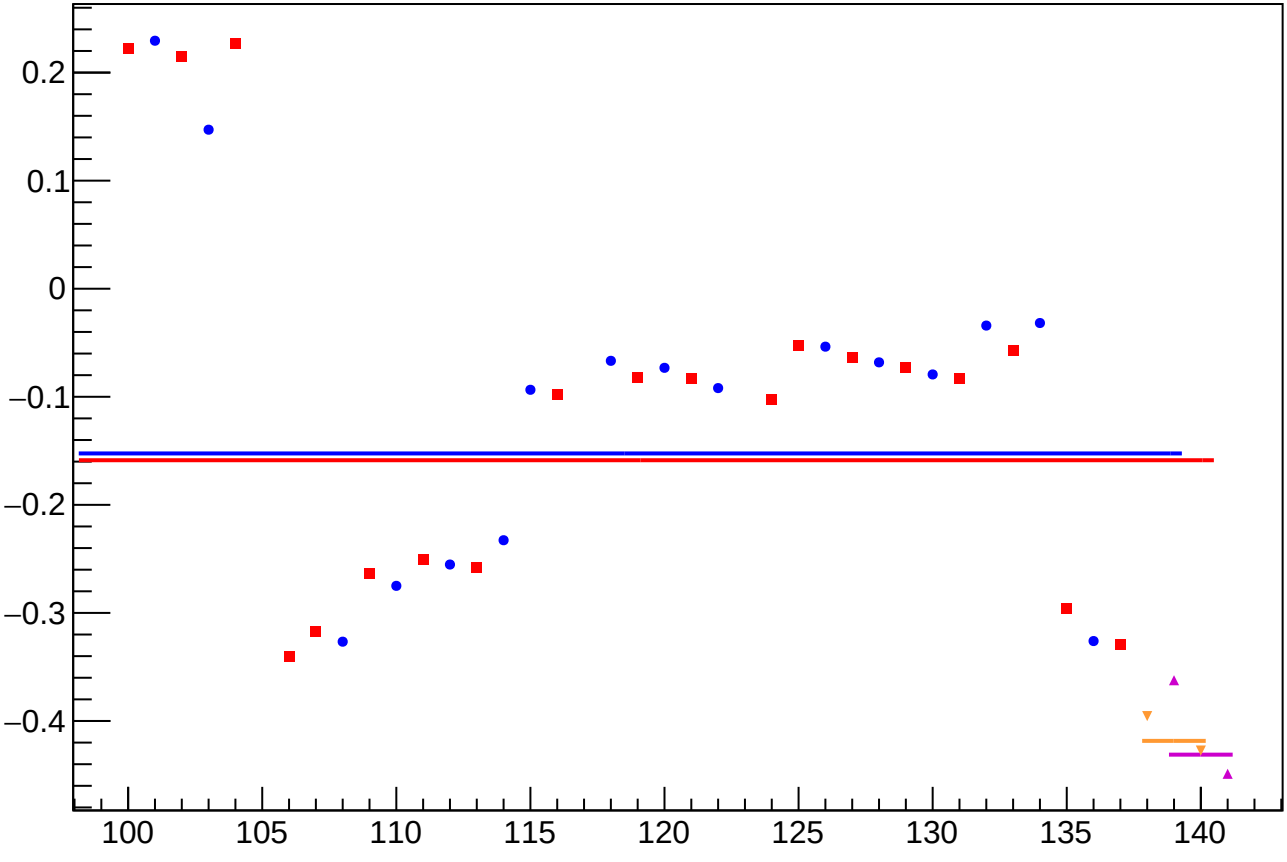
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:1751318.4/17

Out: 0.014+/-0.000 χ^2/NDF:1630392.4/20

All: 0.013+/-0.000 χ^2/NDF: 3395964.0/38

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.418+/-0.000 χ^2/NDF:586274.1/1

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.431+/-0.000 χ^2/NDF:3698326.0/1

Left: -0.425+/-0.000 χ^2/NDF: 4523738.5/3

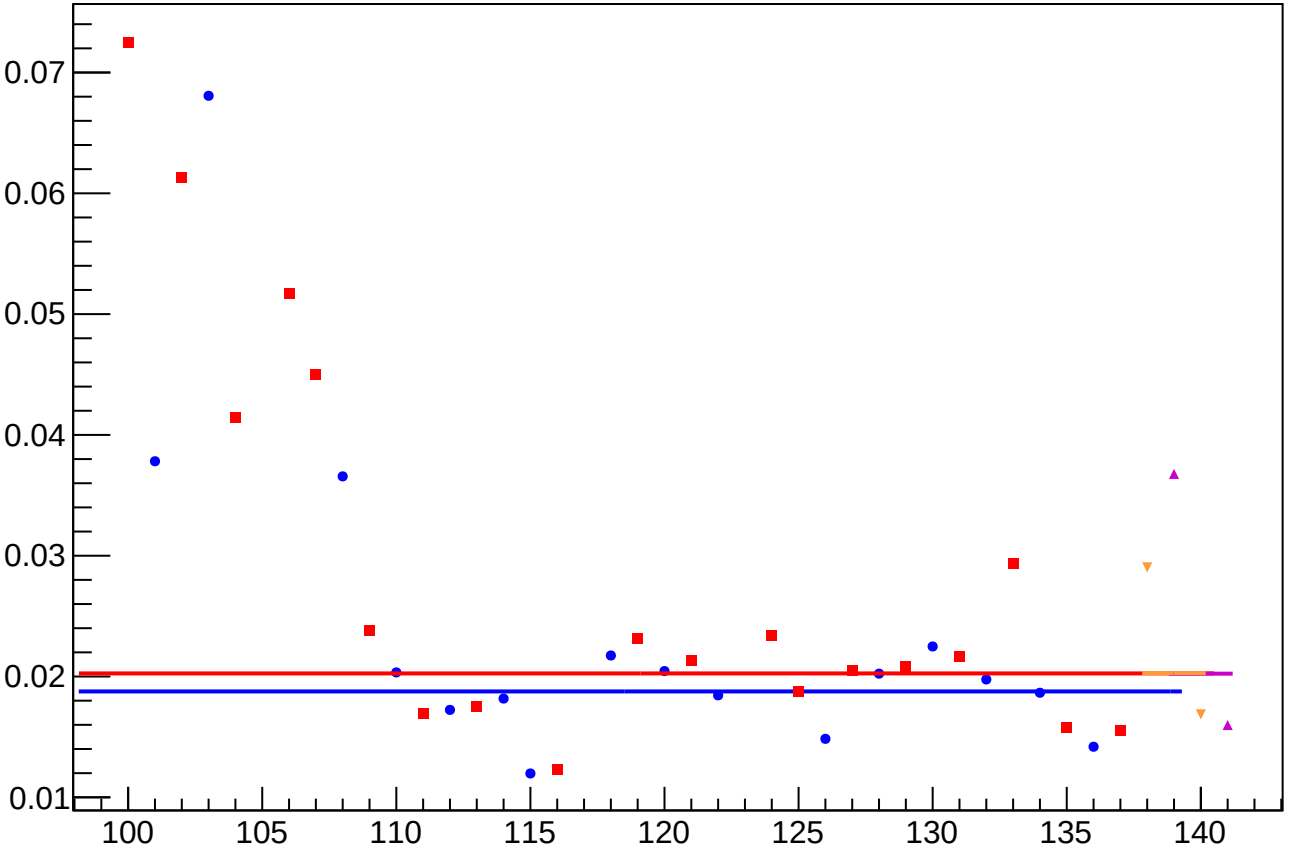
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.199+/-0.000 χ^2/NDF:473997320.3/17

Out: -0.205+/-0.000 χ^2/NDF:354883140.2/20

All: -0.202+/-0.000 χ^2/NDF: 829132031.1/38

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.020+/-0.000 χ^2/NDF:171135.5/1

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.020+/-0.000 χ^2/NDF:426546.7/1

Left: 0.020+/-0.000 χ^2/NDF: 597688.7/3

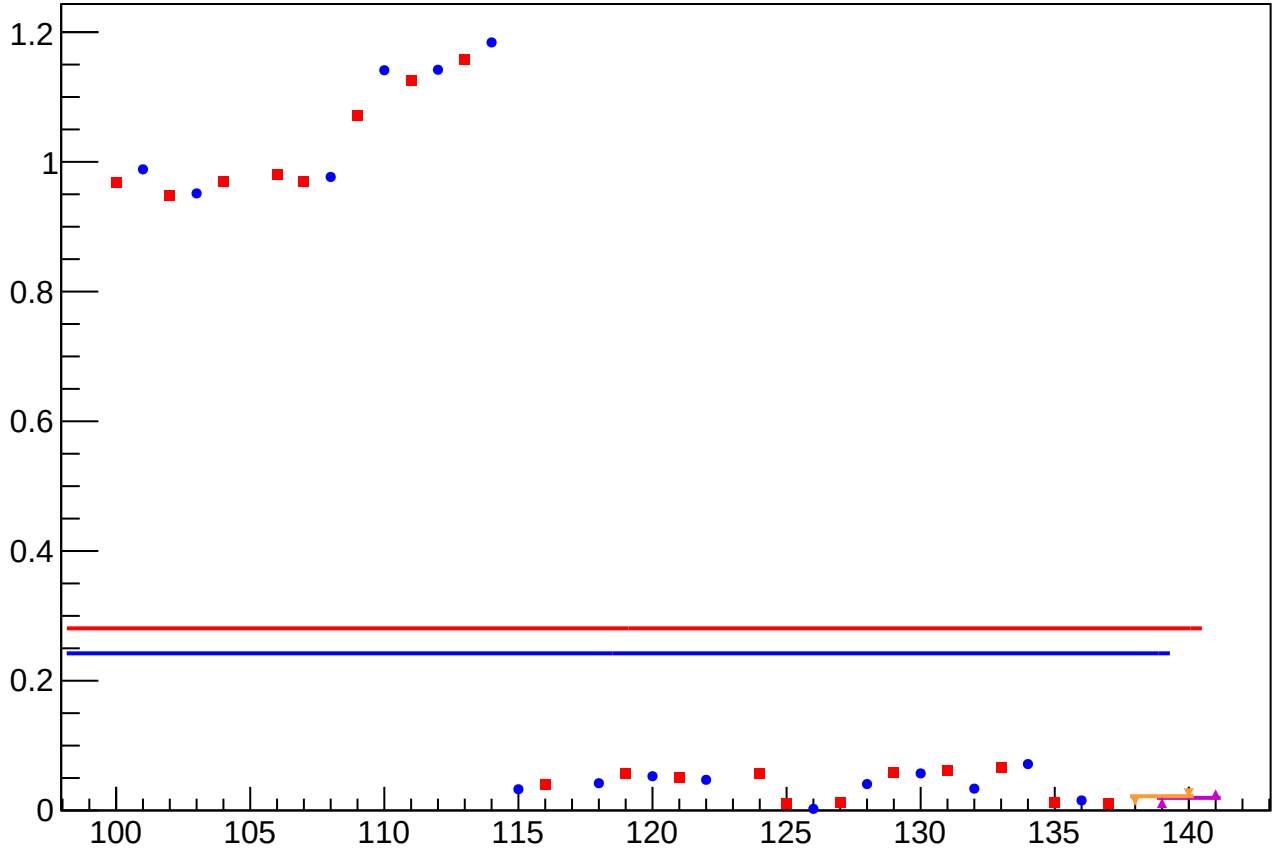
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1786902.6/17

Out: 0.020+/-0.000 χ^2/NDF:1700763.9/20

All: 0.020+/-0.000 χ^2/NDF: 3514235.3/38

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.022+/-0.000 χ^2/NDF:384929.7/1

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.019+/-0.000 χ^2/NDF:594560.1/1

Left: 0.021+/-0.000 χ^2/NDF: 1020500.4/3

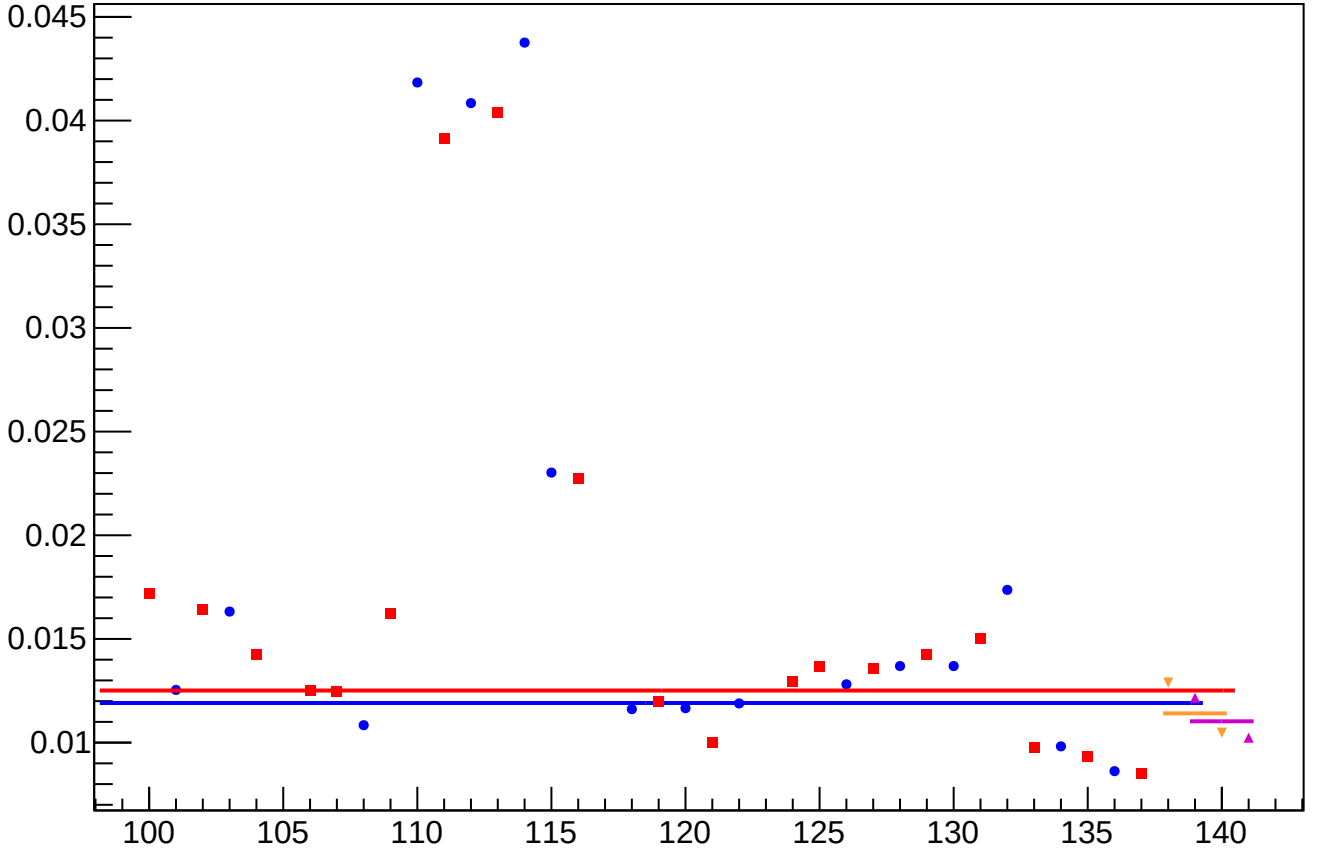
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.188+/-0.000 χ^2/NDF:7015711740.7/17

Out: 0.221+/-0.000 χ^2/NDF:7358993506.8/20

All: 0.204+/-0.000 χ^2/NDF: 14404226359.6/3

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:32122.2/1

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:24269.5/1

Left: 0.011+/-0.000 χ^2/NDF: 58225.7/3

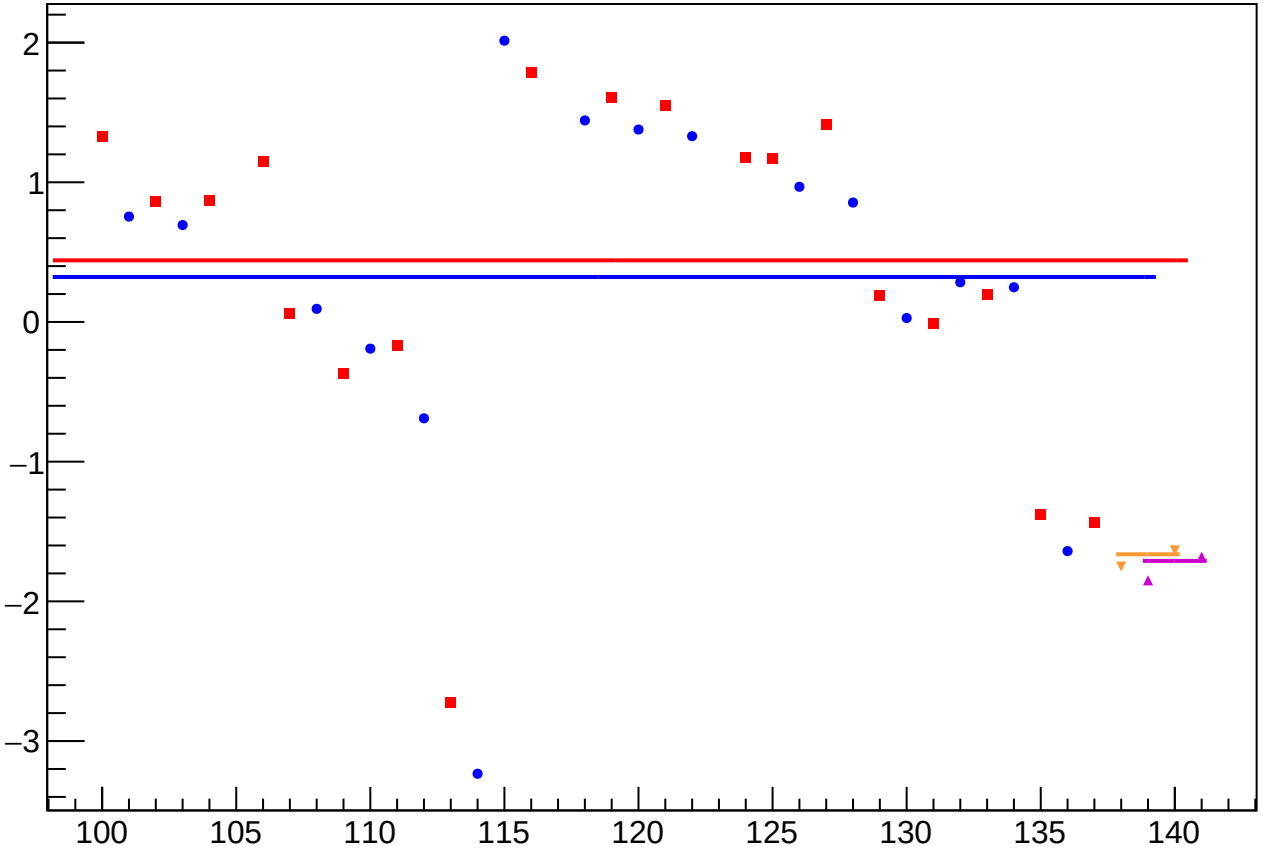
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.012+/-0.000 χ^2/NDF:1499646.9/17

Out: 0.012+/-0.000 χ^2/NDF:1446390.7/20

All: 0.012+/-0.000 χ^2/NDF: 2962944.8/38

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -1.663+/-0.000 χ^2/NDF:420930.4/1

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: -1.711+/-0.000 χ^2/NDF:677810.0/1

Left: -1.686+/-0.000 χ^2/NDF: 1286285.1/3

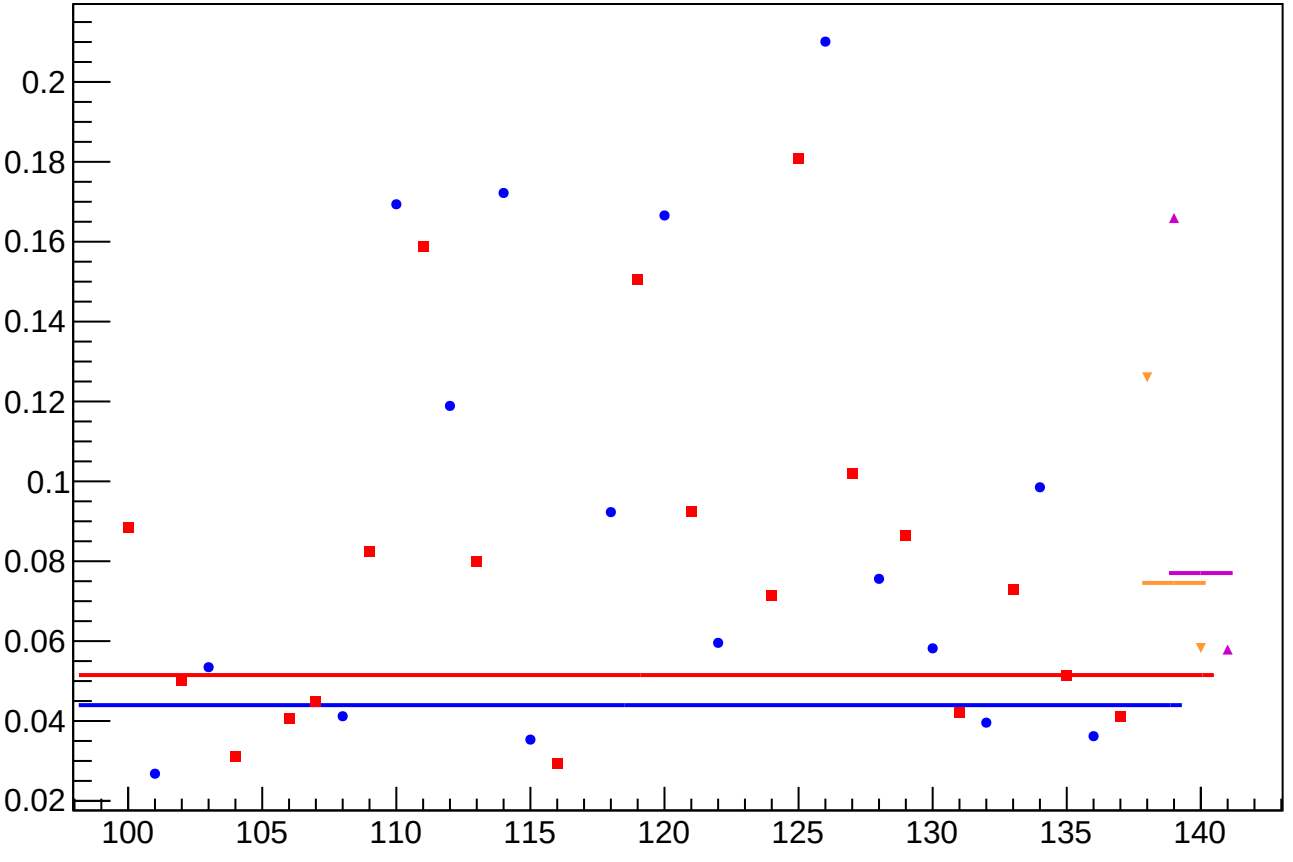
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.168+/-0.000 χ^2/NDF:2285838567.6/17

Out: 0.243+/-0.000 χ^2/NDF:2483112693.9/20

All: 0.202+/-0.000 χ^2/NDF: 4774473861.8/38

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.075+/-0.000 χ^2/NDF:287072.9/1

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.077+/-0.000 χ^2/NDF:552999.3/1

Left: 0.076+/-0.000 χ^2/NDF: 841084.9/3

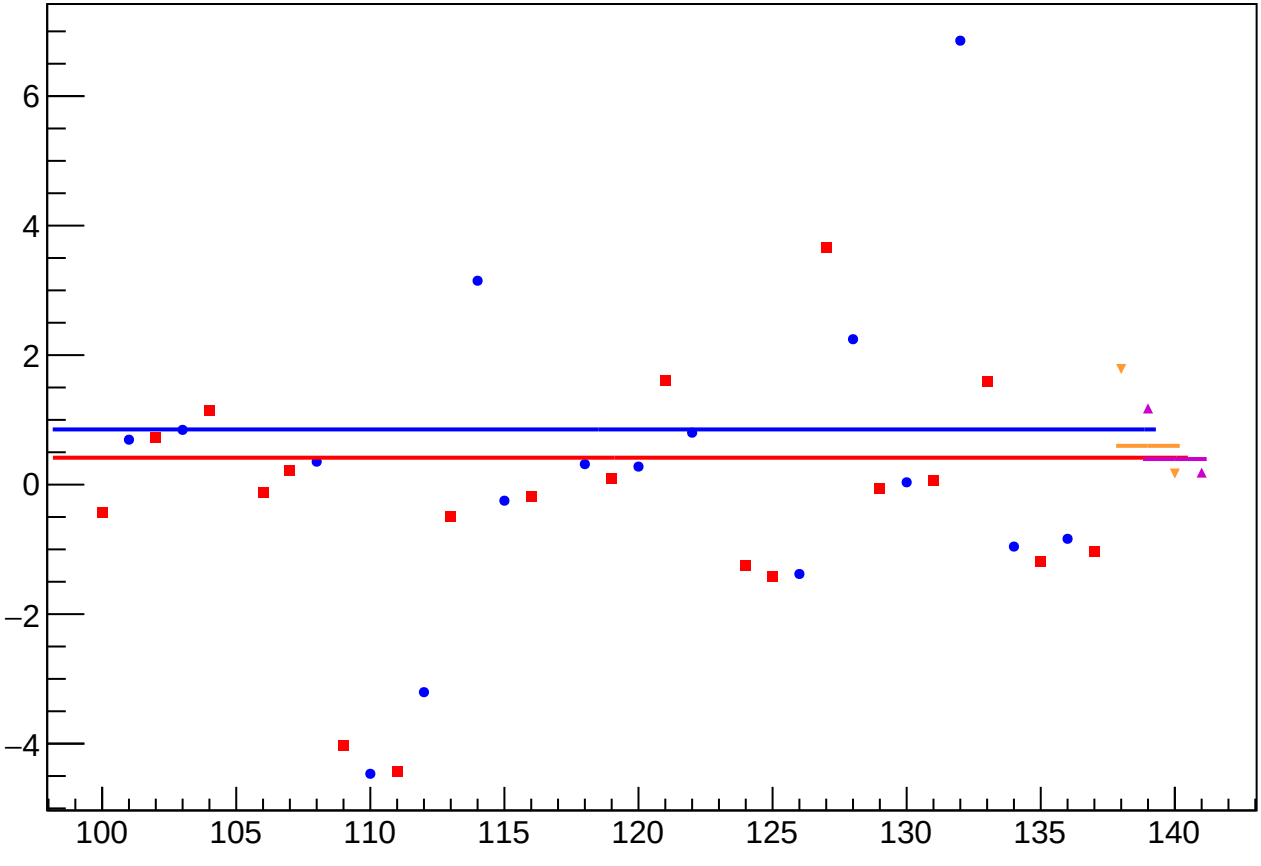
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.046+/-0.000 χ^2/NDF:3668910.4/17

Out: 0.054+/-0.000 χ^2/NDF:2819556.3/20

All: 0.050+/-0.000 χ^2/NDF: 6590547.1/38

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.599+/-0.000 χ^2/NDF:137108523.6/1

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.395+/-0.000 χ^2/NDF:38382253.7/1

Left: 0.505+/-0.000 χ^2/NDF: 180701740.7/3

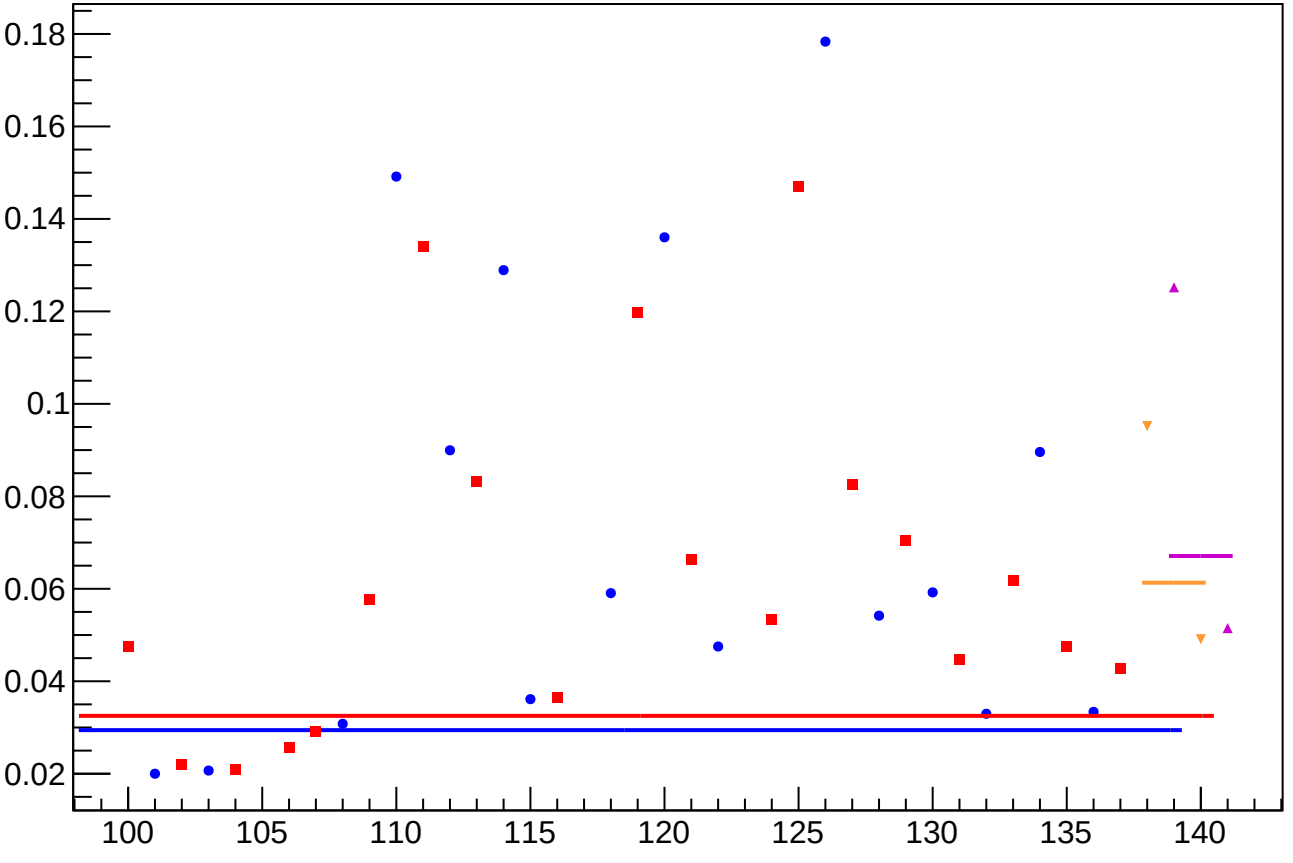
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.829+/-0.000 χ^2/NDF:11660808998.2/17

Out: 0.428+/-0.000 χ^2/NDF:5267493088.9/20

All: 0.636+/-0.000 χ^2/NDF: 17275975249.4/3

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.061+/-0.000 χ^2/NDF:223447.4/1

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.067+/-0.000 χ^2/NDF:424755.3/1

Left: 0.064+/-0.000 χ^2/NDF: 656547.5/3

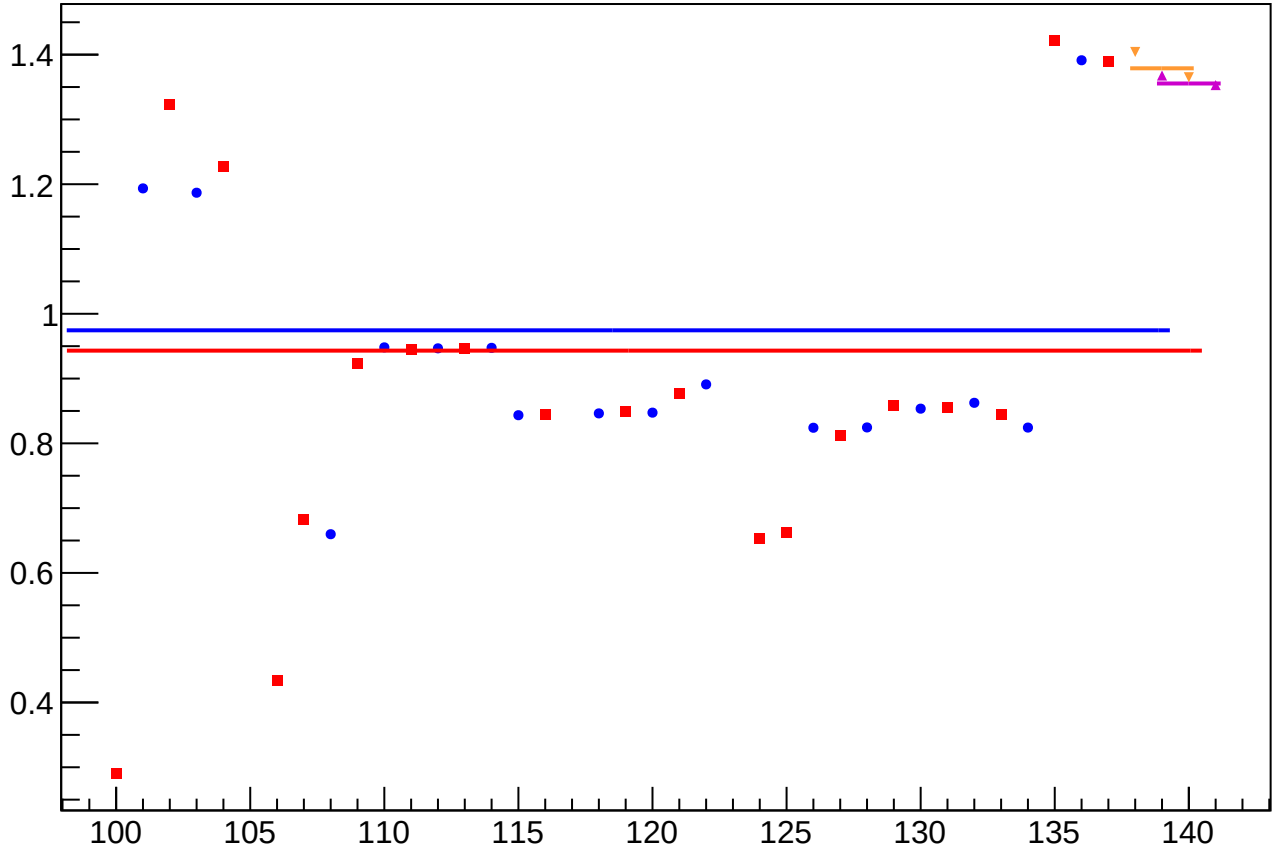
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.031+/-0.000 χ^2/NDF:4247303.9/17

Out: 0.034+/-0.000 χ^2/NDF:3957767.8/20

All: 0.033+/-0.000 χ^2/NDF: 8243657.0/38

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.379+/-0.000 χ^2/NDF:2572705.3/1

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.355+/-0.000 χ^2/NDF:204674.7/1

Left: 1.368+/-0.000 χ^2/NDF: 4722414.0/3

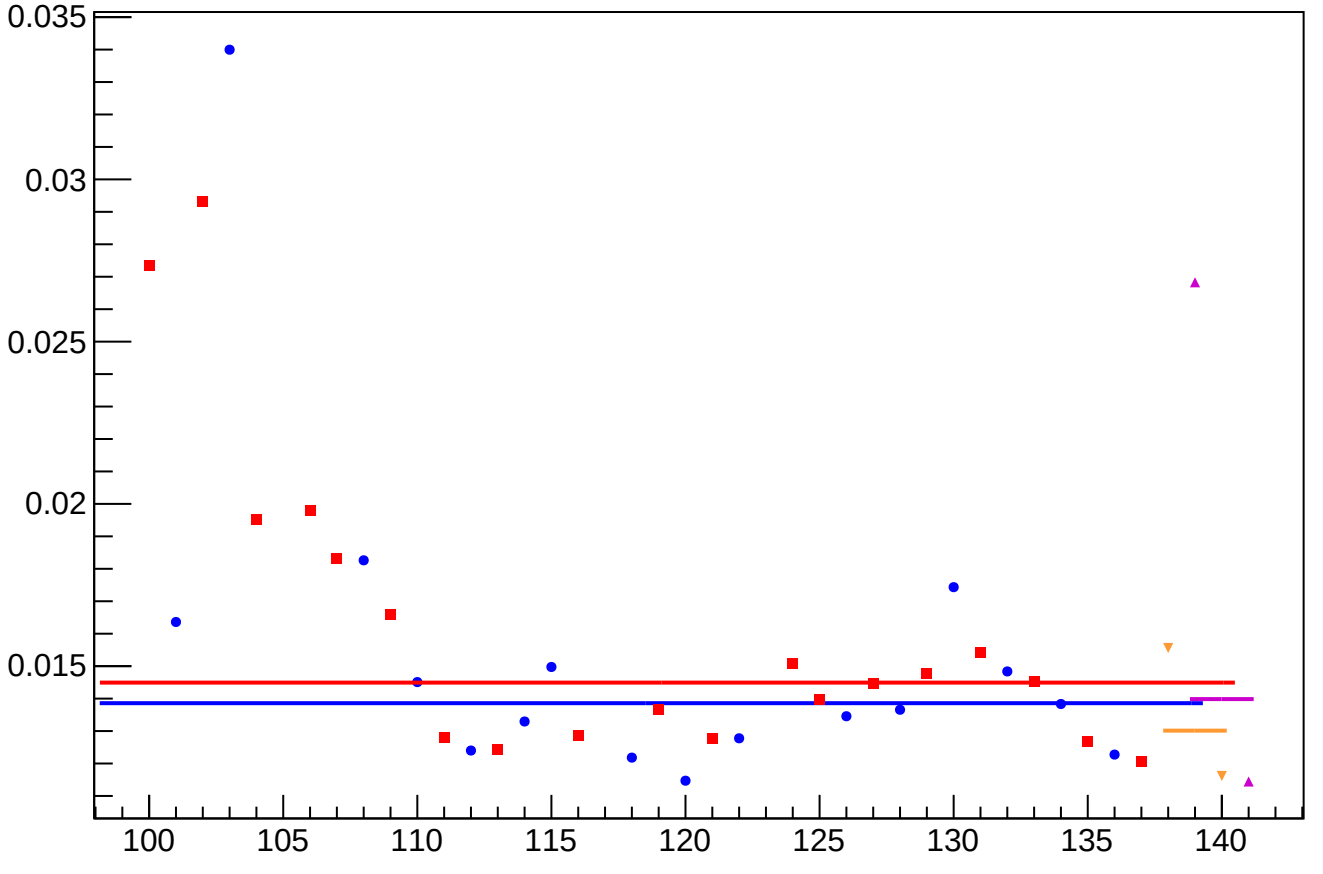
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.041+/-0.000 χ^2/NDF:2275527107.3/17

Out: 1.028+/-0.000 χ^2/NDF:2801425601.8/20

All: 1.034+/-0.000 χ^2/NDF: 5080092157.3/38

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:52462.2/1

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:444136.1/1

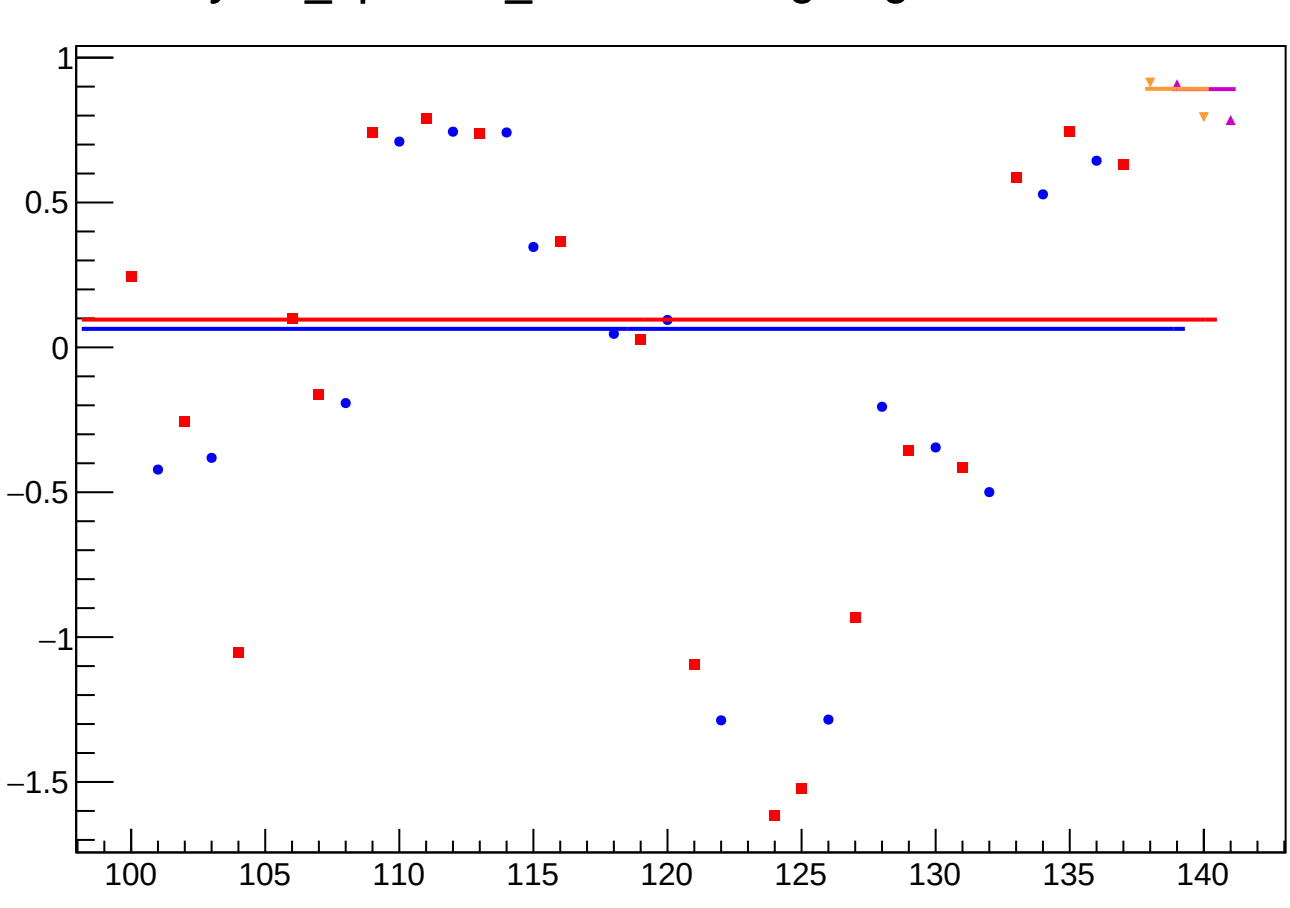
Left: 0.013+/-0.000 χ^2/NDF: 503289.3/3

Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1044294.0/17

Out: 0.014+/-0.000 χ^2/NDF:622826.9/20

All: 0.014+/-0.000 χ^2/NDF: 1671164.7/38



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.892+/-0.000 χ^2/NDF:48688868.6/1

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.891+/-0.000 χ^2/NDF:58816808.8/1

Left: 0.892+/-0.000 χ^2/NDF: 107521876.5/3

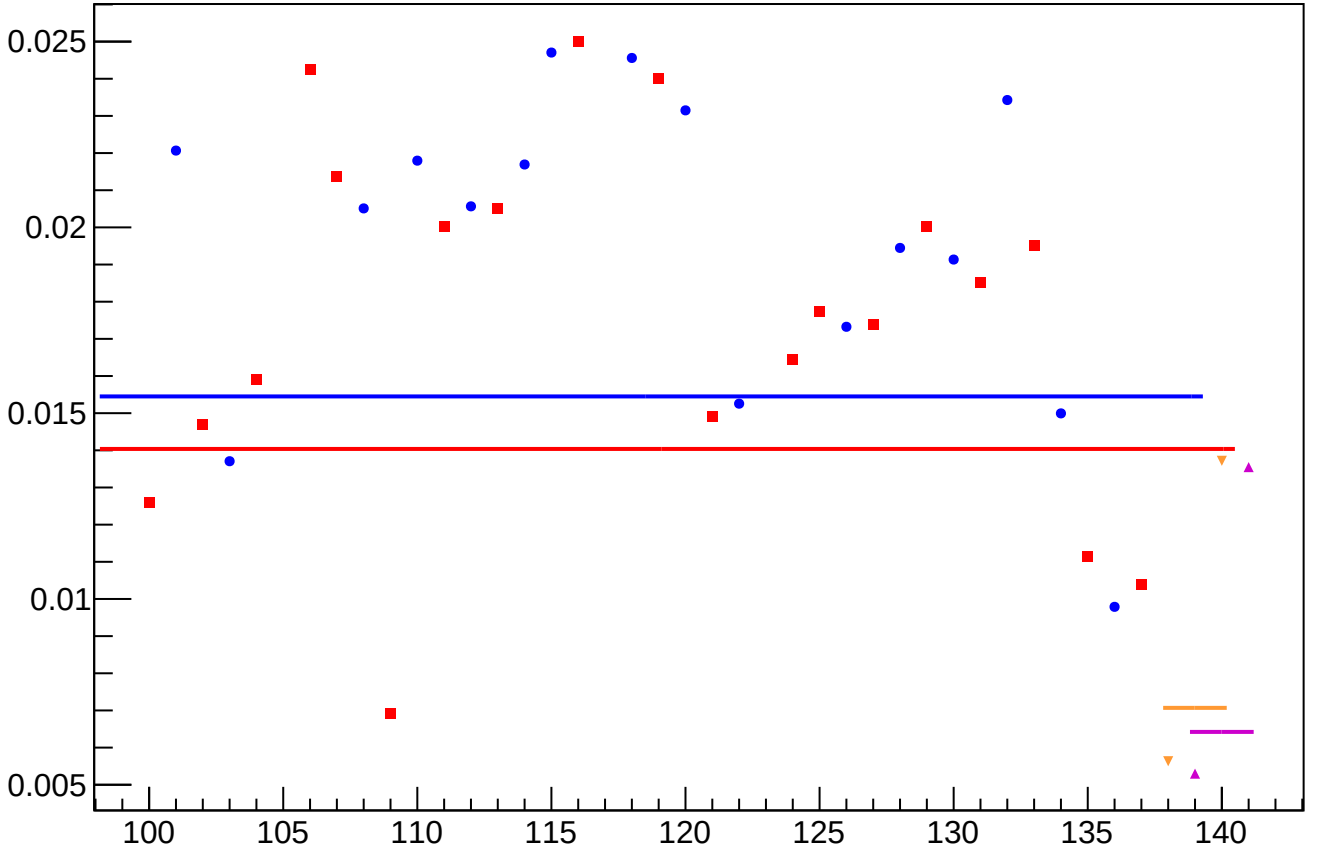
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.532+/-0.000 χ^2/NDF:20847814089.2/17

Out: 0.447+/-0.000 χ^2/NDF:26167394944.5/20

All: 0.491+/-0.000 χ^2/NDF: 4721954620 9.1/3

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:448199.5/1

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.006+/-0.000 χ^2/NDF:525554.8/1

Left: 0.007+/-0.000 χ^2/NDF: 985212.7/3

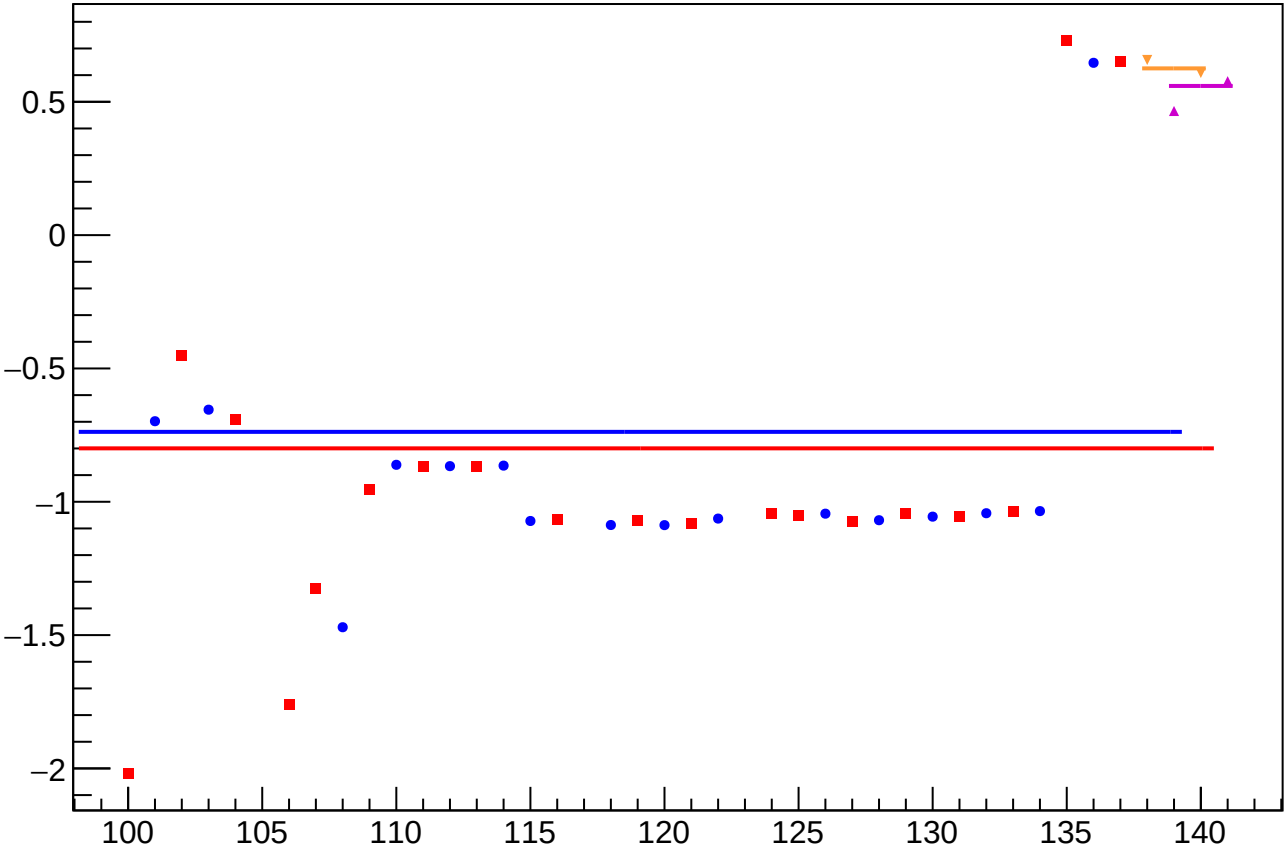
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.010+/-0.000 χ^2/NDF:4141655.0/17

Out: 0.011+/-0.000 χ^2/NDF:3410186.8/20

All: 0.011+/-0.000 χ^2/NDF: 7573890.0/38

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.625+/-0.000 χ^2/NDF:617269.1/1

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.559+/-0.000 χ^2/NDF:1700834.8/1

Left: 0.594+/-0.000 χ^2/NDF: 4635146.1/3

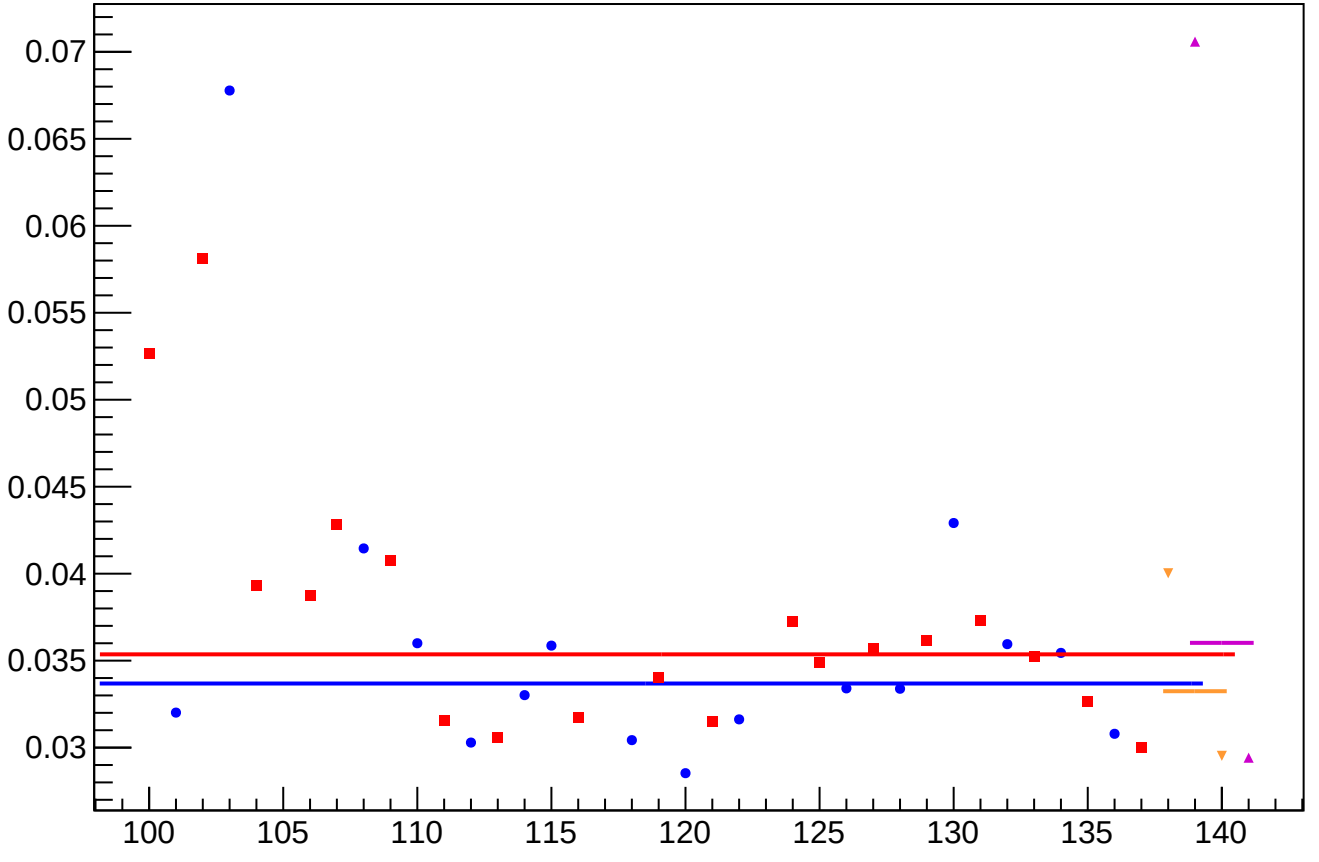
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.538+/-0.000 χ^2/NDF:3513768945.4/17

Out: -0.544+/-0.000 χ^2/NDF:3770744146.4/20

All: -0.541+/-0.000 χ^2/NDF: 7284615407.9/3

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.033+/-0.000 χ^2/NDF:57045.6/1

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.036+/-0.000 χ^2/NDF:461306.7/1

Left: 0.035+/-0.000 χ^2/NDF: 526605.6/3

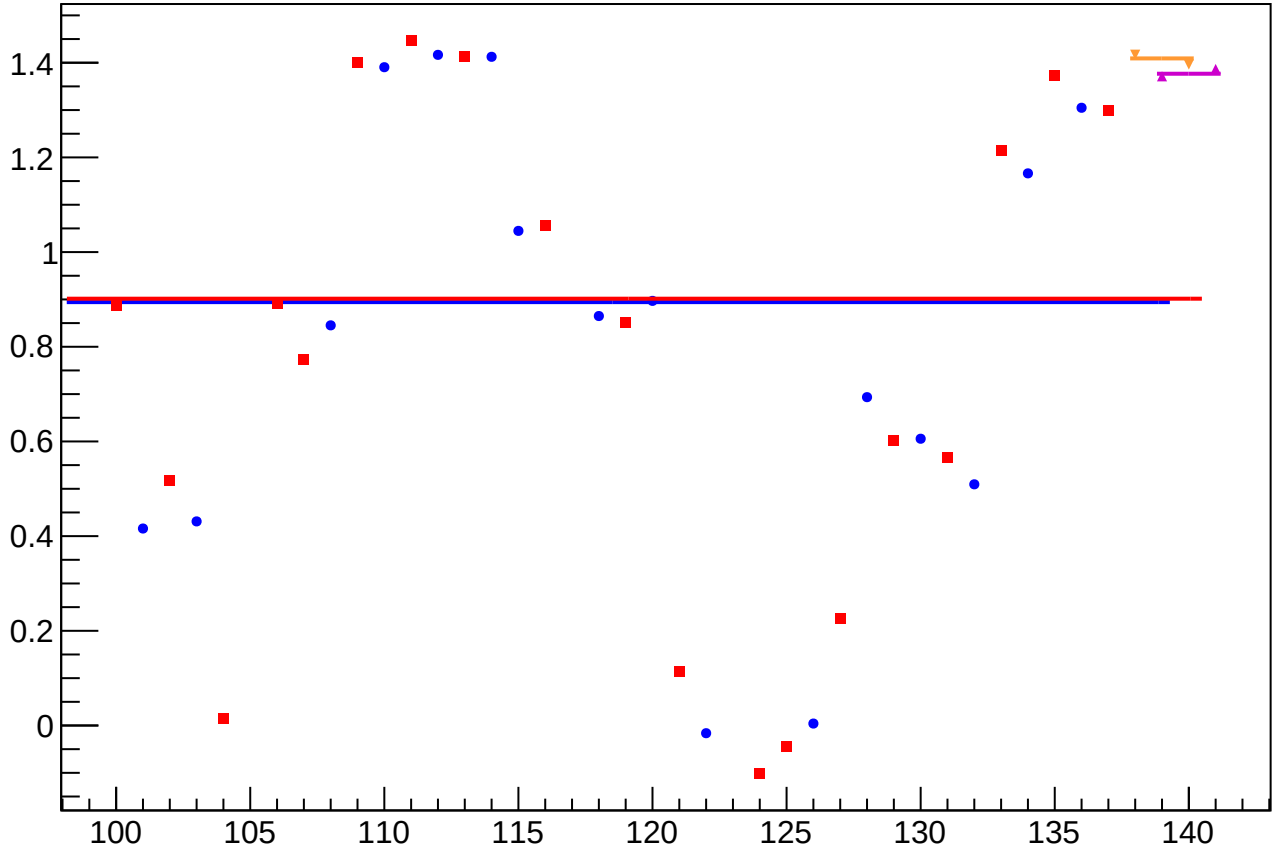
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:890879.0/17

Out: 0.035+/-0.000 χ^2/NDF:361743.5/20

All: 0.035+/-0.000 χ^2/NDF: 1258262.9/38

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.409+/-0.000 χ^2/NDF:2464138.8/1

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.377+/-0.000 χ^2/NDF:1593079.3/1

Left: 1.391+/-0.000 χ^2/NDF: 17853247.7/3

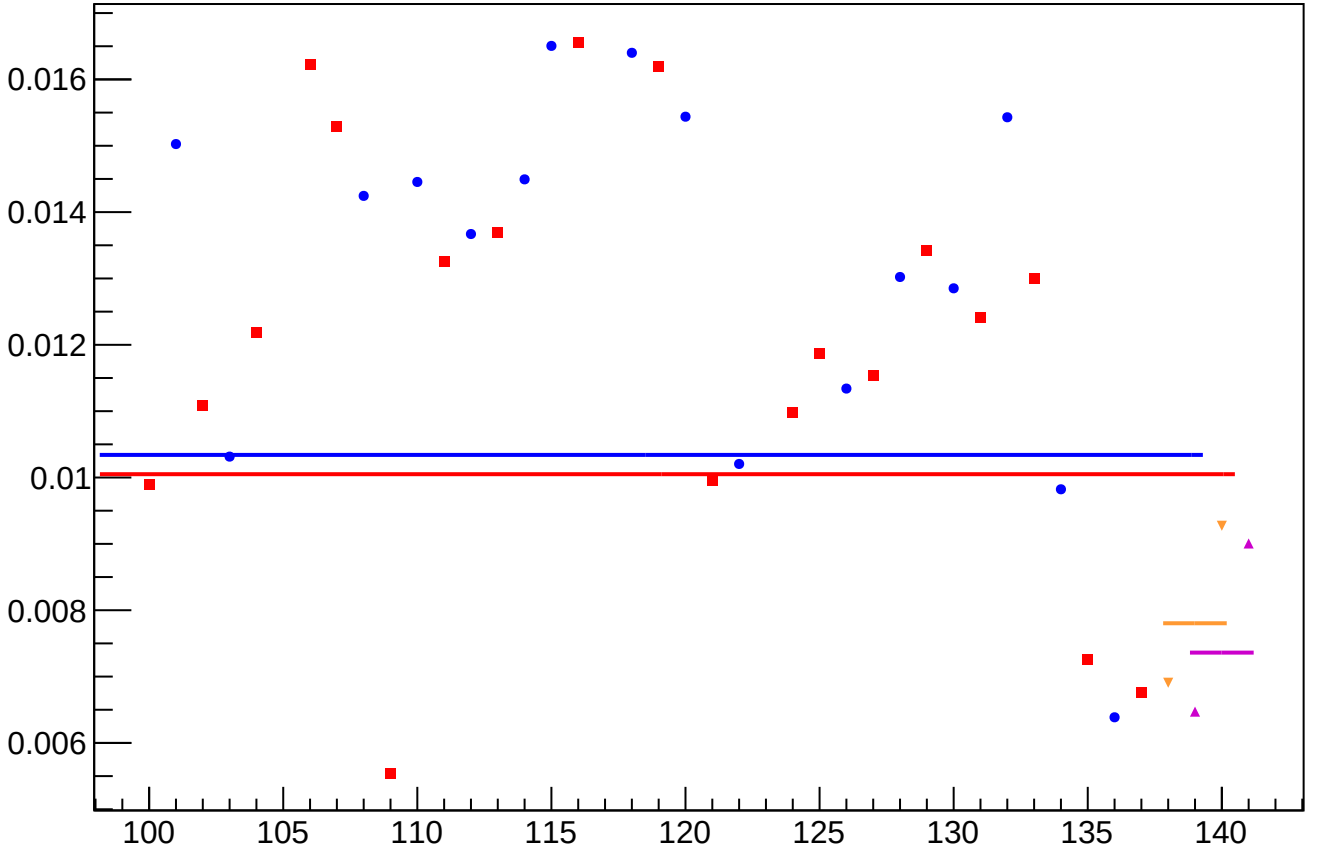
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.059+/-0.000 χ^2/NDF:17179652533.3/17

Out: 1.047+/-0.000 χ^2/NDF:22344887935.5/20

All: 1.053+/-0.000 χ^2/NDF: 39530513497.3/3

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:63784.0/1

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.007+/-0.000 χ^2/NDF:84502.3/1

Left: 0.008+/-0.000 χ^2/NDF: 153440.9/3

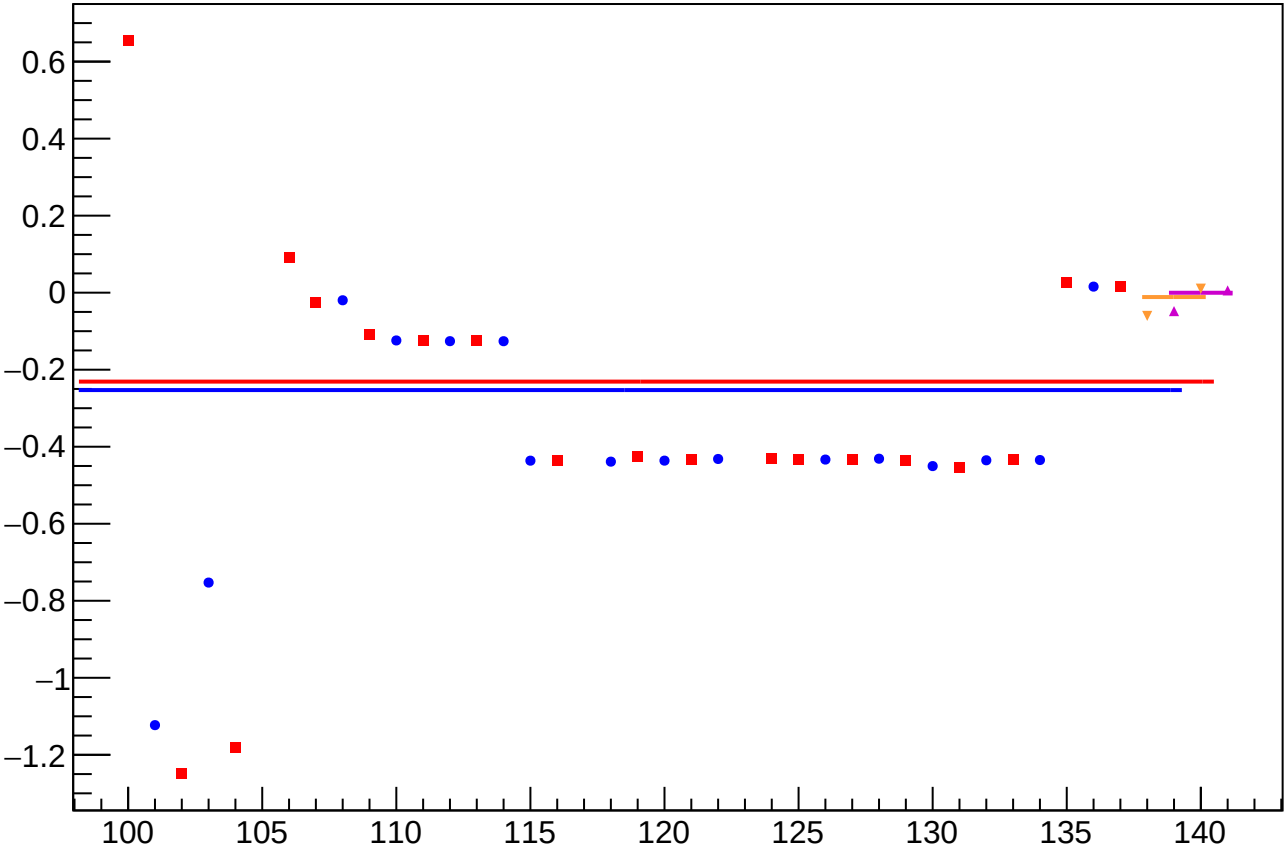
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:1772825.7/17

Out: 0.009+/-0.000 χ^2/NDF:1575013.1/20

All: 0.009+/-0.000 χ^2/NDF: 3348407.8/38

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: -0.011+/-0.000 χ^2/NDF:12672012.4/1

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2997694.4/1

Left: -0.006+/-0.000 χ^2/NDF: 16360388.6/3

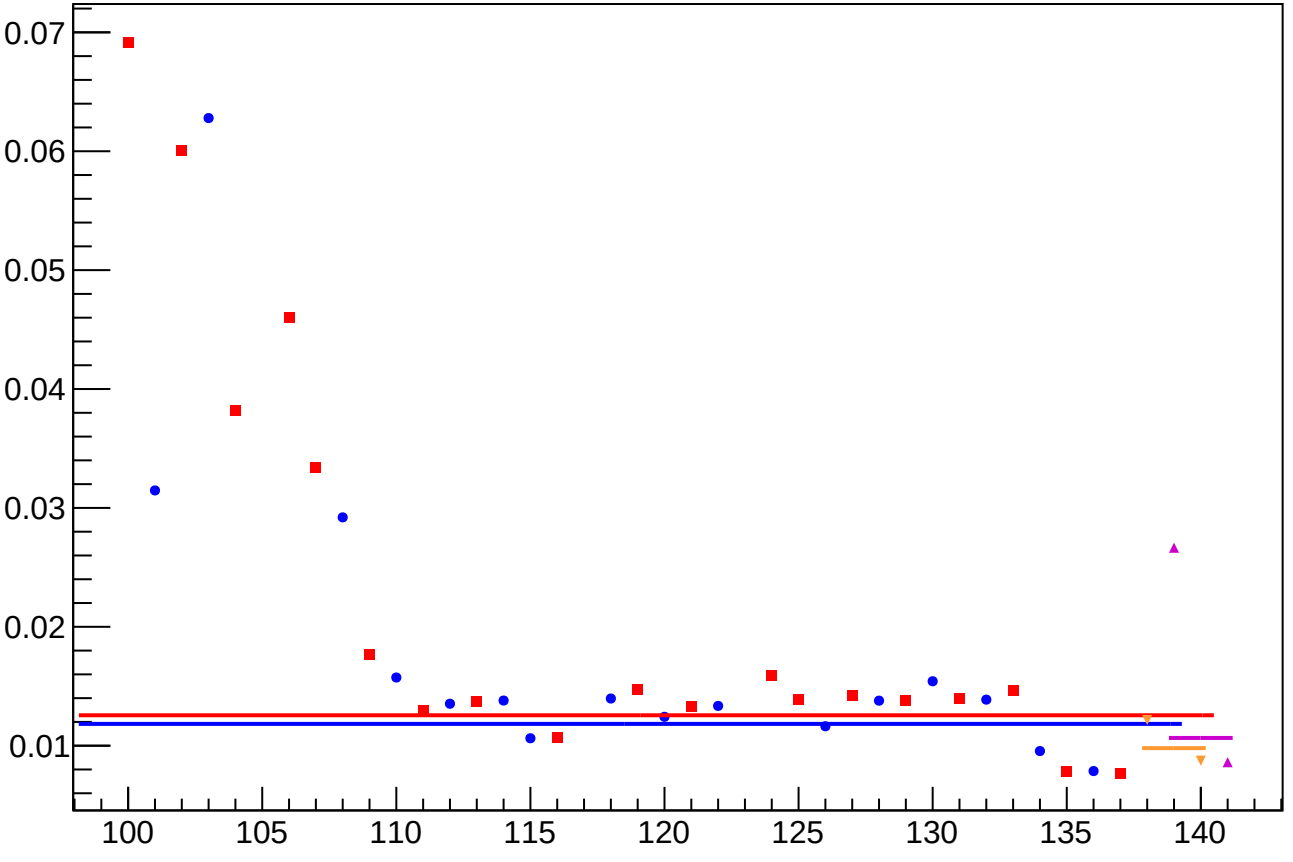
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.196+/-0.000 χ^2/NDF:2540140459.3/17

Out: -0.171+/-0.000 χ^2/NDF:2237945036.6/20

All: -0.184+/-0.000 χ^2/NDF: 4791733530.8/3

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:59230.3/1

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.011+/-0.000 χ^2/NDF:676261.8/1

Left: 0.010+/-0.000 χ^2/NDF: 743587.0/3

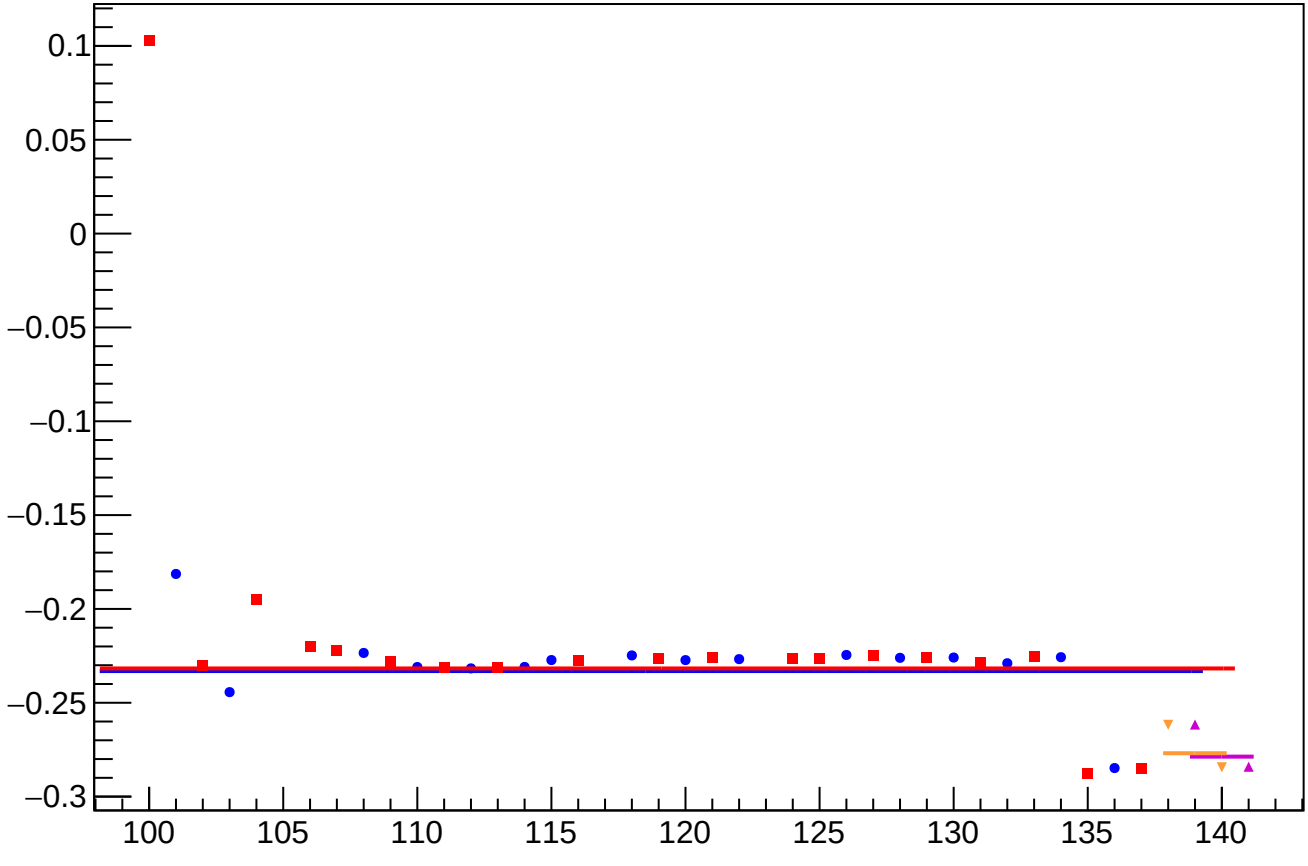
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.012+/-0.000 χ^2/NDF:2641203.2/17

Out: 0.012+/-0.000 χ^2/NDF:2408603.8/20

All: 0.012+/-0.000 χ^2/NDF: 5052390.4/38

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.277+/-0.000 χ^2/NDF:7369992.0/1

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.279+/-0.000 χ^2/NDF:5089024.7/1

Left: -0.278+/-0.000 χ^2/NDF: 12556337.5/3

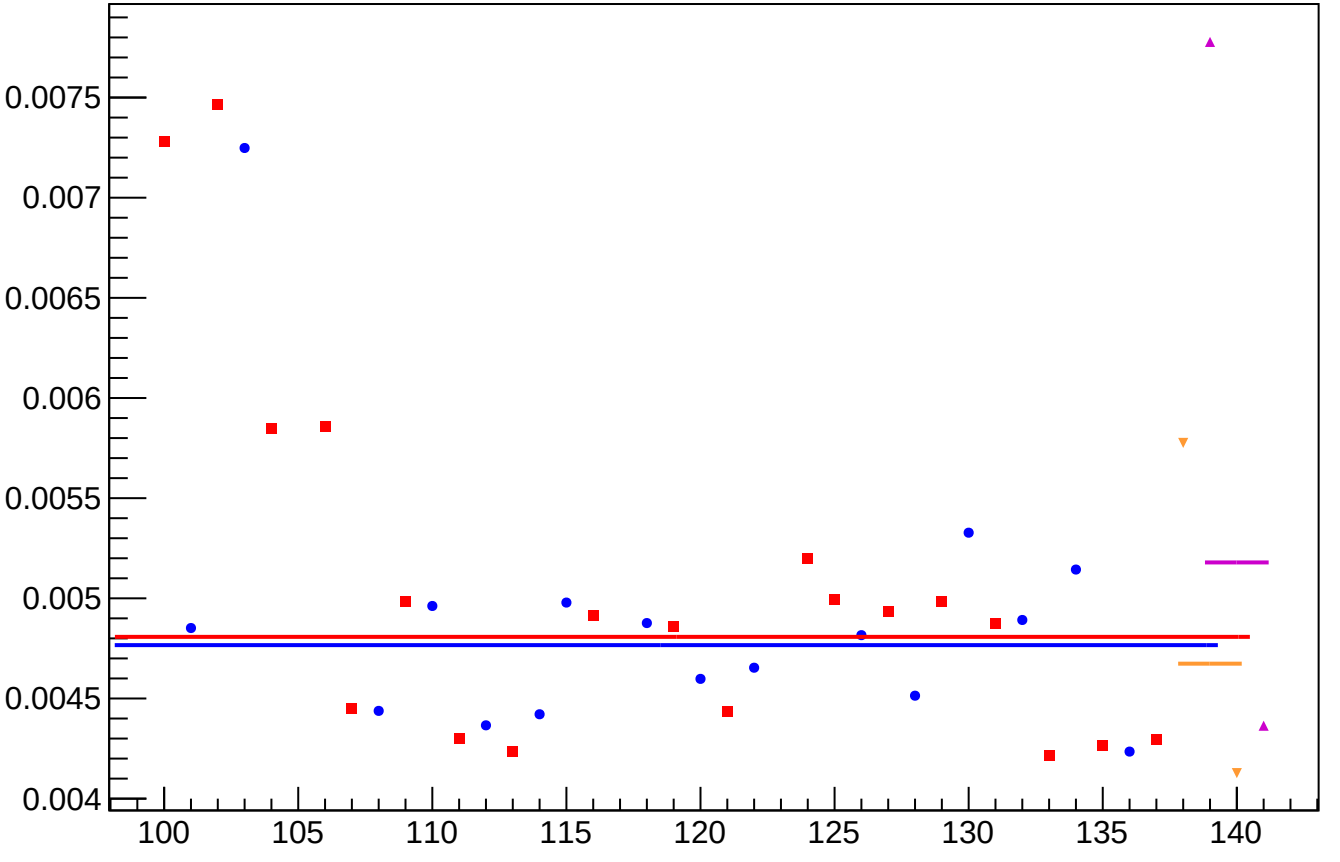
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.241+/-0.000 χ^2/NDF:300546355.8/17

Out: -0.240+/-0.000 χ^2/NDF:402878310.9/20

All: -0.240+/-0.000 χ^2/NDF: 703484612.7/38

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:78160.4/1

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:234830.3/1

Left: 0.005+/-0.000 χ^2/NDF: 328262.7/3

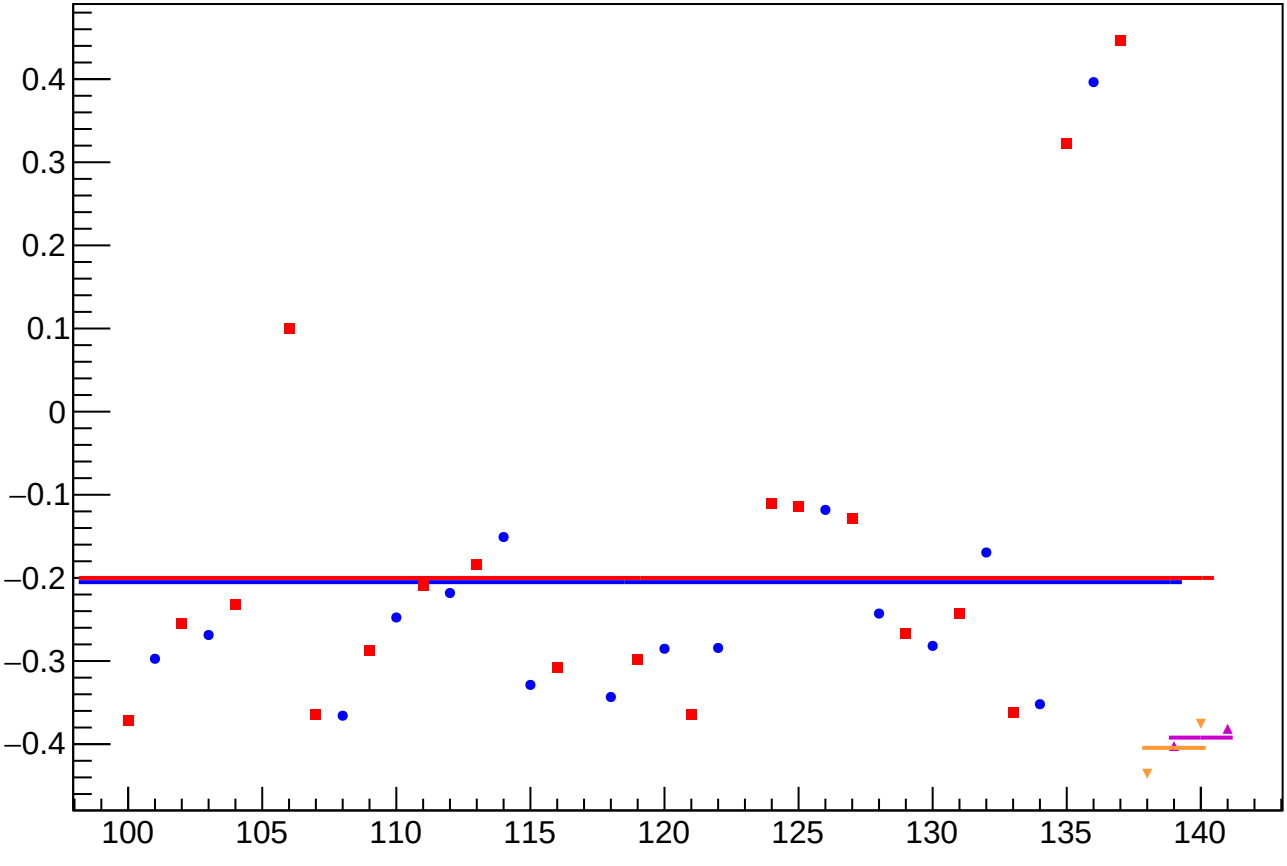
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:442392.8/17

Out: 0.005+/-0.000 χ^2/NDF:373798.0/20

All: 0.005+/-0.000 χ^2/NDF: 817083.5/38

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.404+/-0.000 χ^2/NDF:56146737.9/1

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.392+/-0.000 χ^2/NDF:7005920.7/1

Left: -0.398+/-0.000 χ^2/NDF: 67975419.6/3

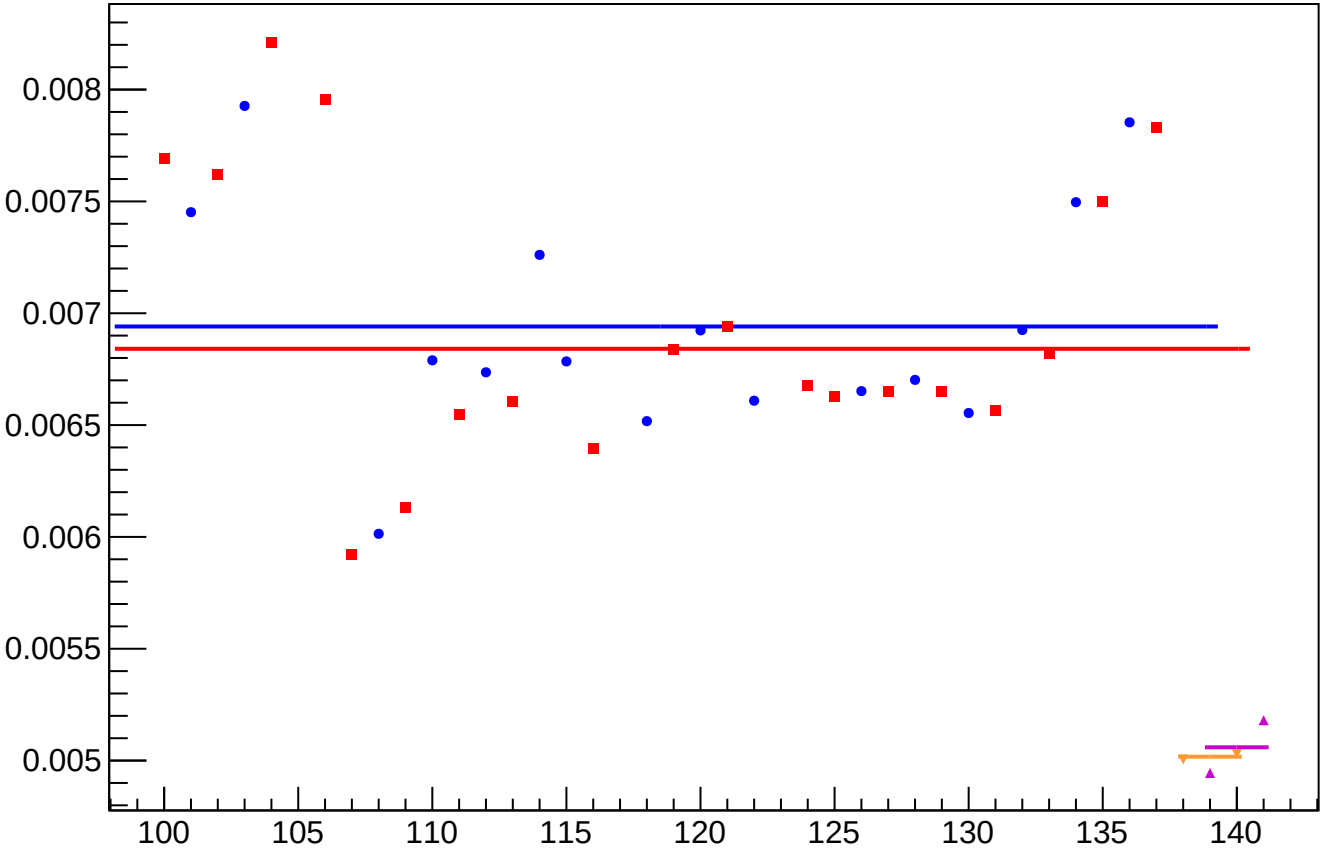
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.263+/-0.000 χ^2/NDF:7775777567.2/17

Out: -0.259+/-0.000 χ^2/NDF:7158331277.4/20

All: -0.261+/-0.000 χ^2/NDF: 14935918648.7/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:18.7/1

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1817.3/1

Left: 0.005+/-0.000 χ^2/NDF: 1948.8/3

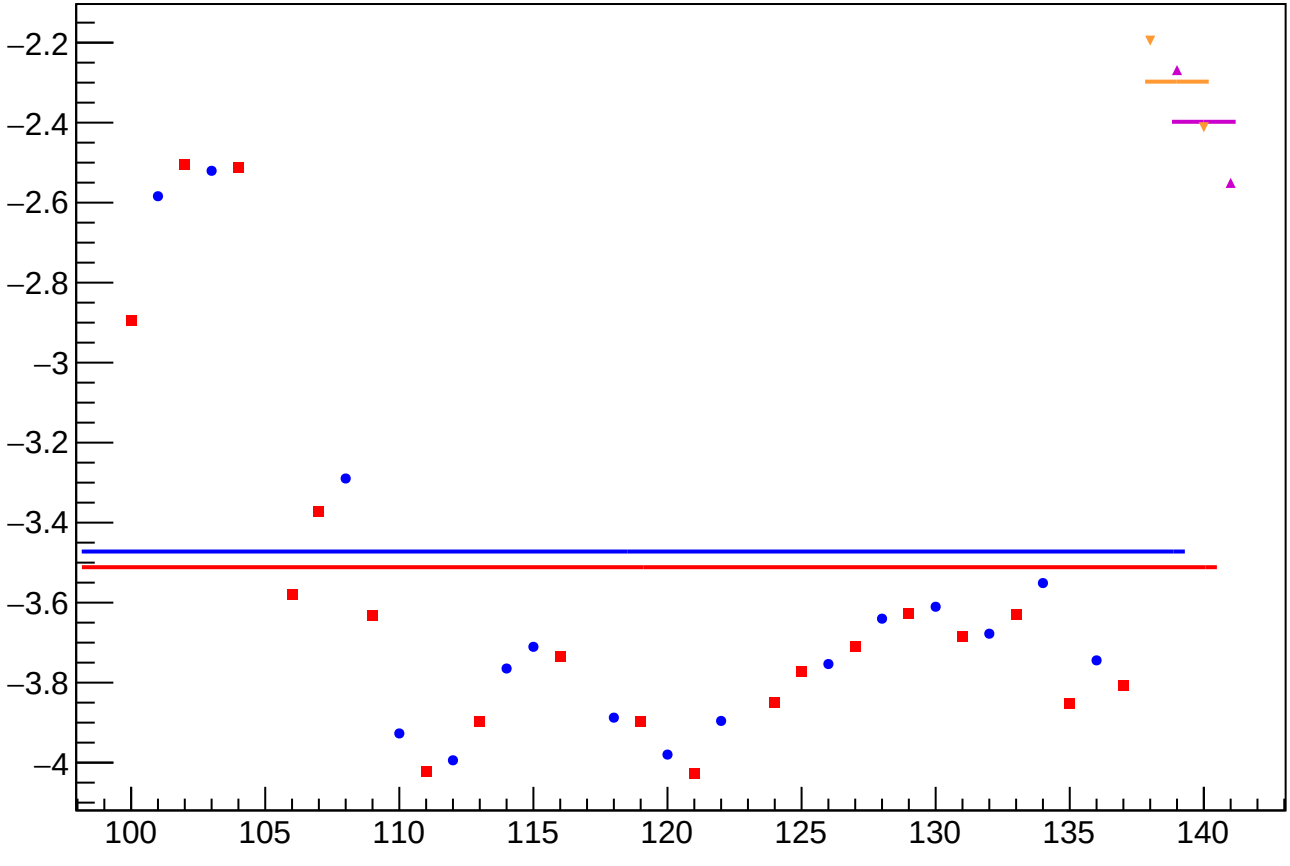
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:406676.5/17

Out: 0.006+/-0.000 χ^2/NDF:394815.2/20

All: 0.006+/-0.000 χ^2/NDF: 801876.3/38

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.297+/-0.000 χ^2/NDF:189056410.6/1

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.398+/-0.000 χ^2/NDF:318060386.9/1

Left: -2.348+/-0.000 χ^2/NDF: 588451158.1/3

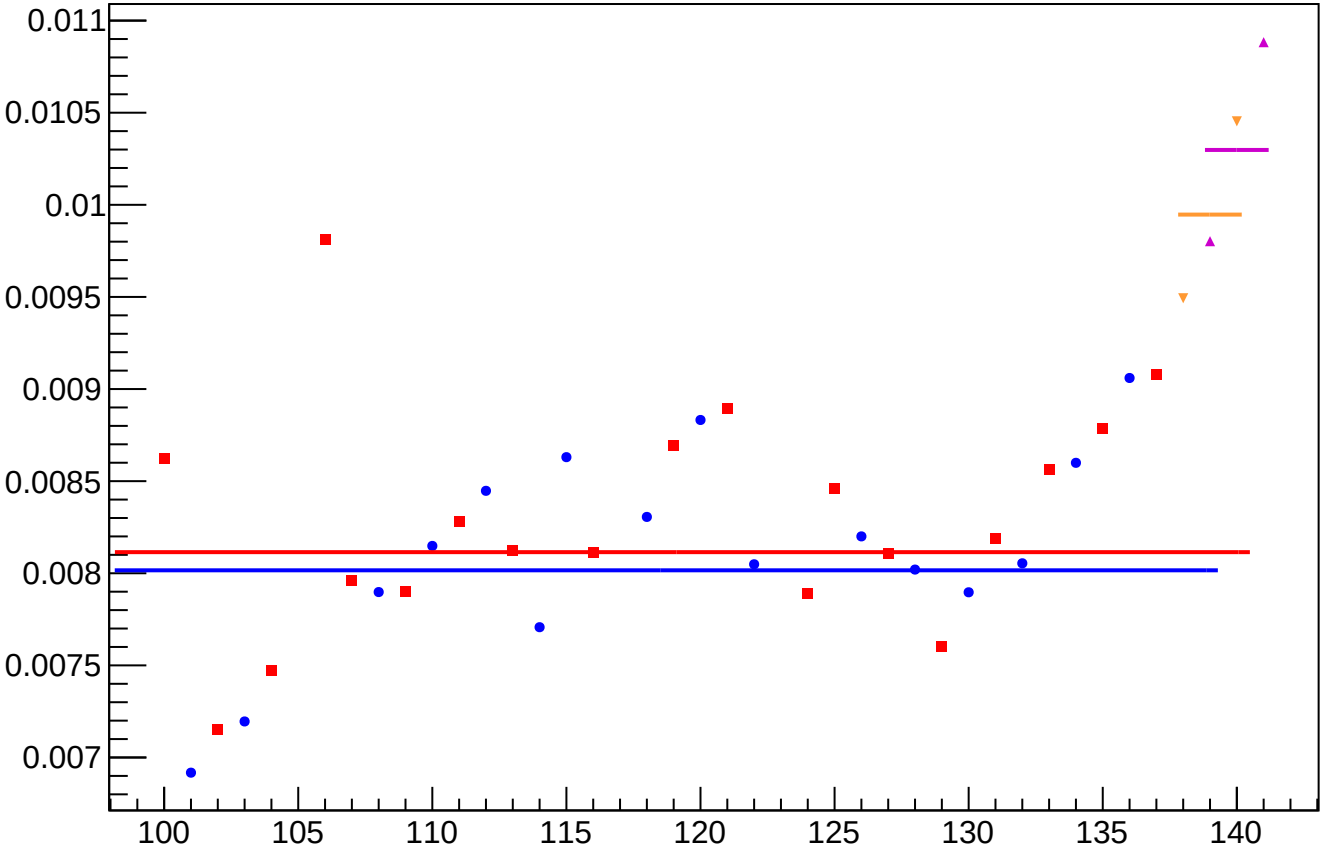
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.334+/-0.000 χ^2/NDF:46103861530.5/17

Out: -3.353+/-0.000 χ^2/NDF:50638261356.2/20

All: -3.343+/-0.000 χ^2/NDF: 96766347725.7/

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:7438.0/1

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.010+/-0.000 χ^2/NDF:9333.0/1

Left: 0.010+/-0.000 χ^2/NDF: 18758.4/3

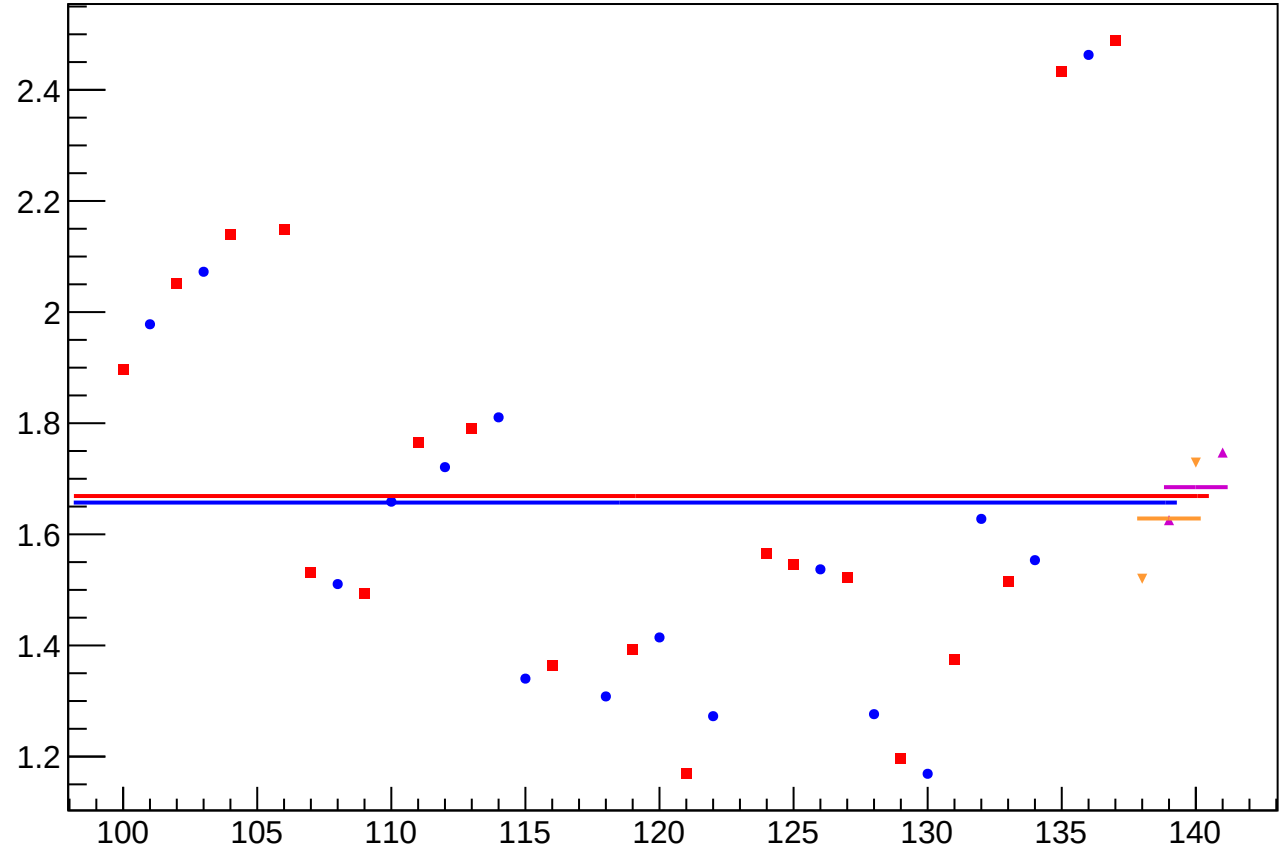
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:241658.2/17

Out: 0.008+/-0.000 χ^2/NDF:172979.1/20

All: 0.008+/-0.000 χ^2/NDF: 414865.1/38

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.629+/-0.000 χ^2/NDF:144146539.9/1

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.685+/-0.000 χ^2/NDF:51529960.7/1

Left: 1.657+/-0.000 χ^2/NDF: 217251580.7/3

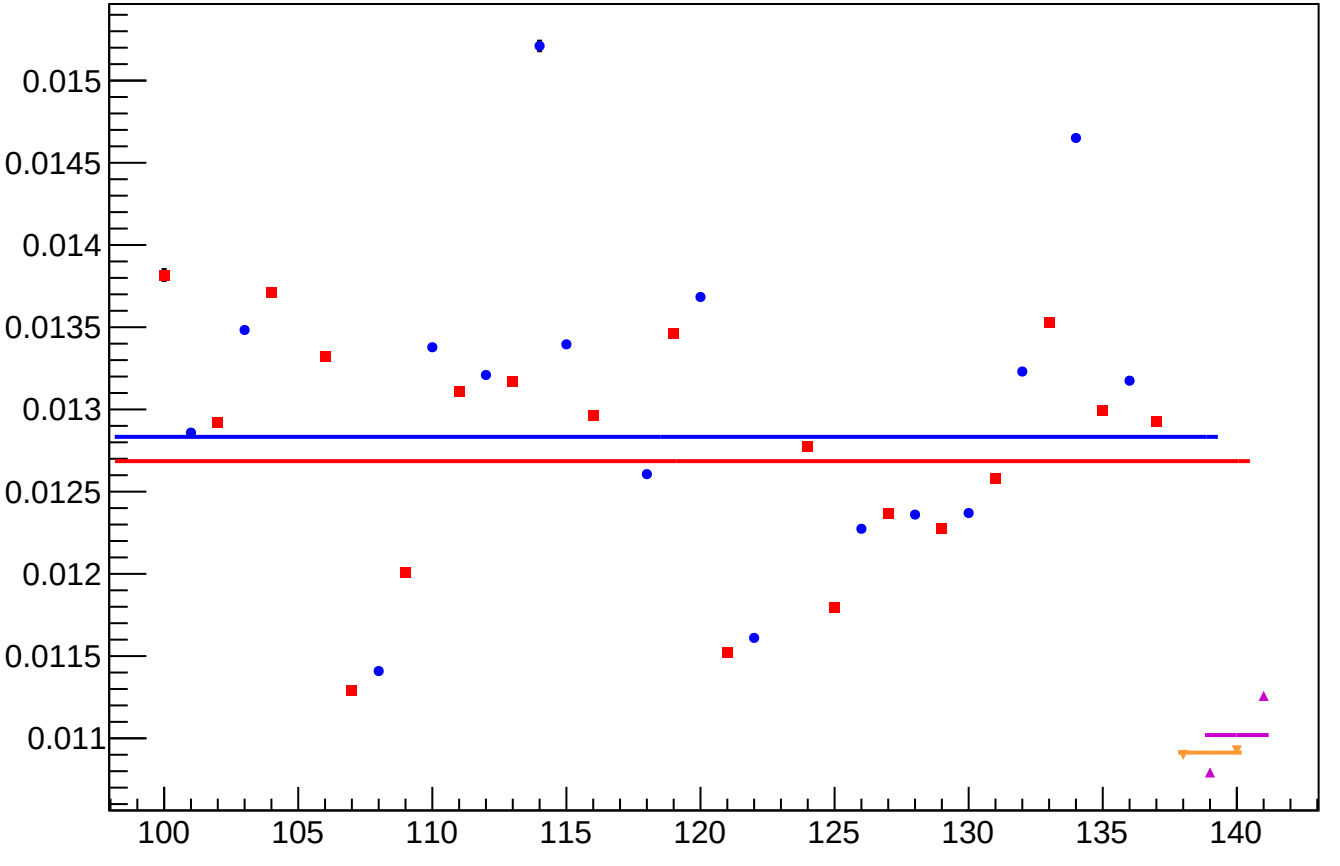
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.664+/-0.000 χ^2/NDF:6725764514.2/17

Out: 1.660+/-0.000 χ^2/NDF:6518409669.3/20

All: 1.662+/-0.000 χ^2/NDF: 13244698652.8/3

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:5.2/1

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:1508.1/1

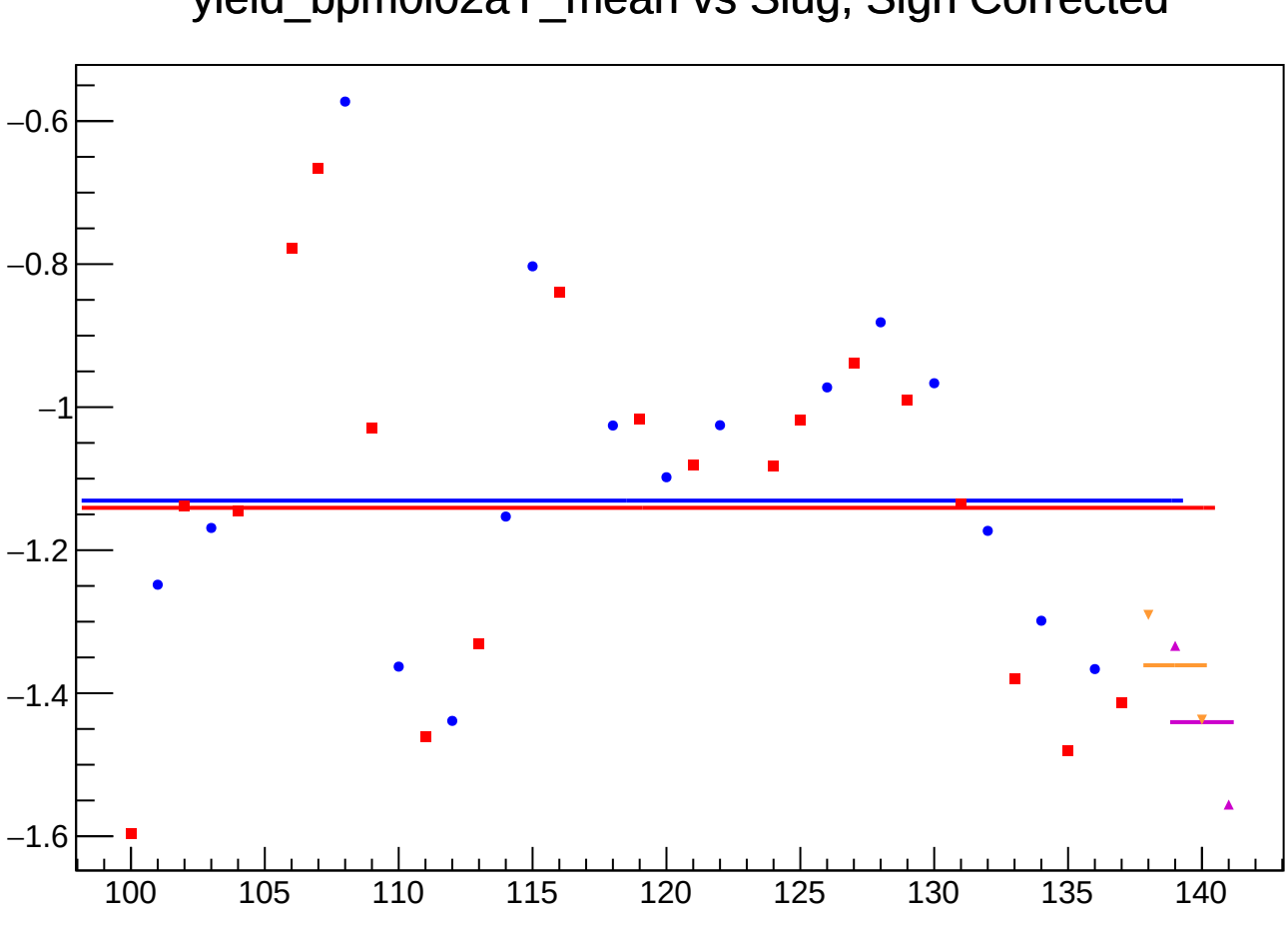
Left: 0.011+/-0.000 χ^2/NDF: 1667.6/3

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:123068.6/17

Out: 0.012+/-0.000 χ^2/NDF:107421.1/20

All: 0.012+/-0.000 χ^2/NDF: 231114.2/38



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.361+/-0.000 χ^2/NDF:130888295.3/1

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.440+/-0.000 χ^2/NDF:291581663.1/1

Left: -1.400+/-0.000 χ^2/NDF: 498582645.2/3

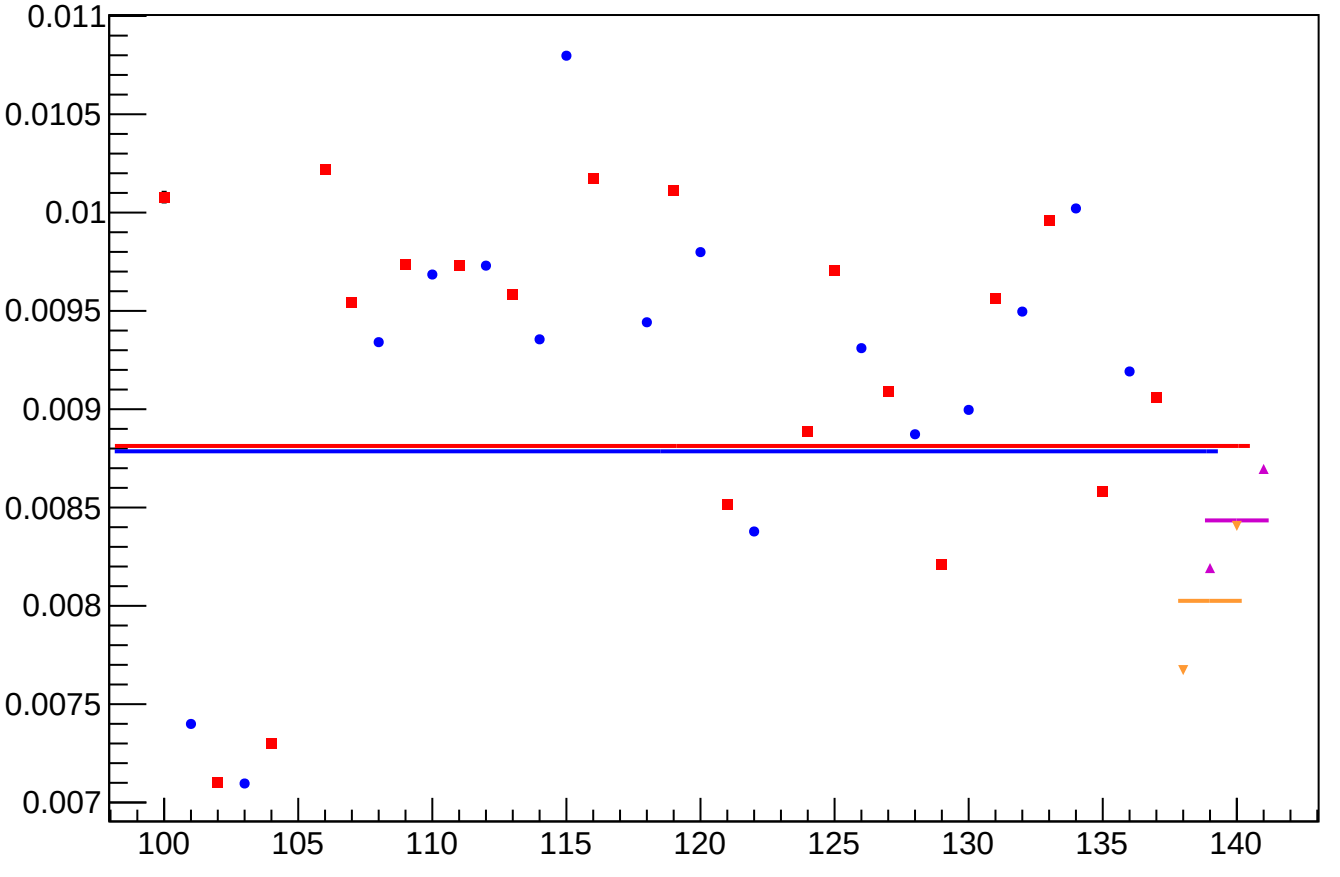
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.196+/-0.000 χ^2/NDF:5877131719.8/17

Out: -1.188+/-0.000 χ^2/NDF:4604942286.5/20

All: -1.192+/-0.000 χ^2/NDF: 10485701908.3/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:6559.8/1

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:3009.0/1

Left: 0.008+/-0.000 χ^2/NDF: 13596.4/3

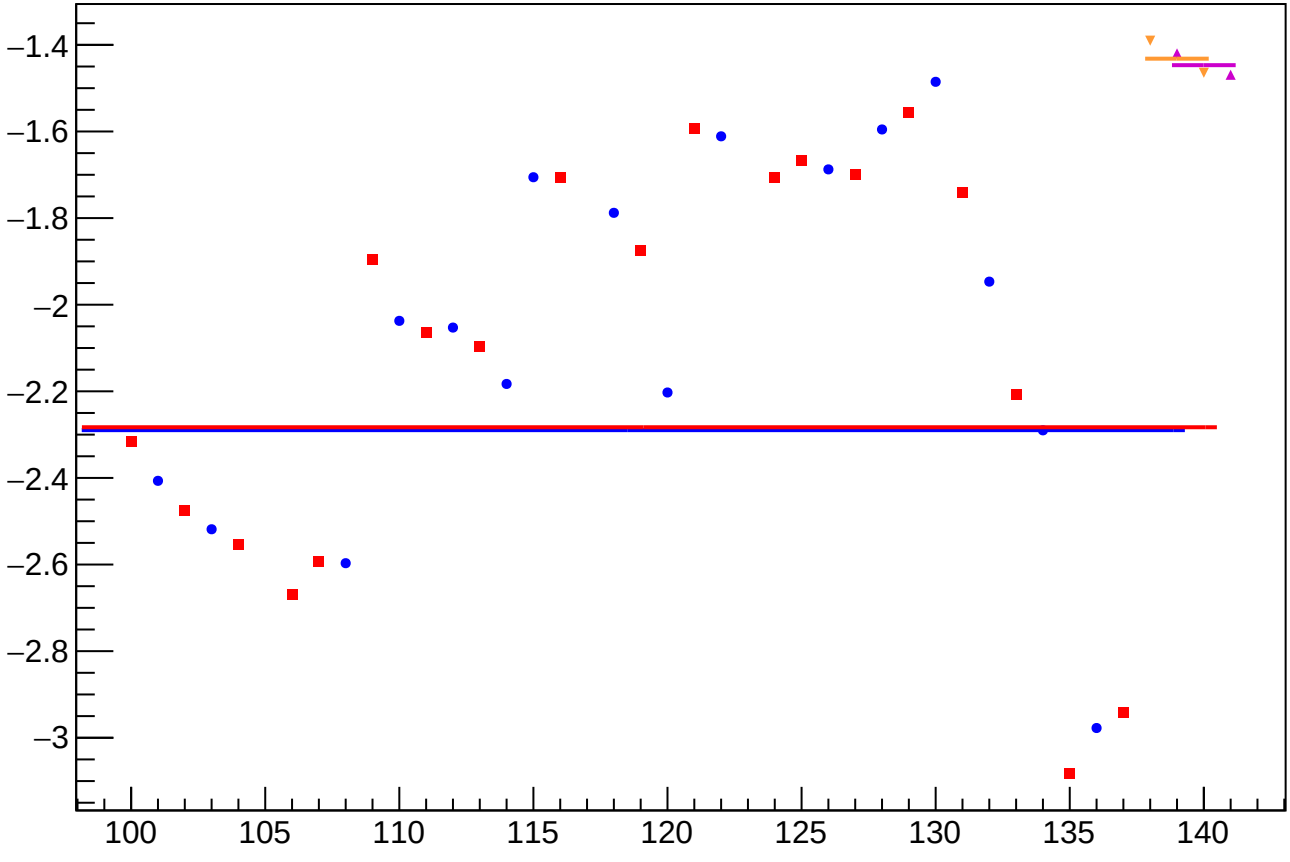
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:181108.3/17

Out: 0.009+/-0.000 χ^2/NDF:234812.5/20

All: 0.009+/-0.000 χ^2/NDF: 416440.6/38

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.432+/-0.000 χ^2/NDF:24157682.8/1

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -1.447+/-0.000 χ^2/NDF:11035804.7/1

Left: -1.439+/-0.000 χ^2/NDF: 37224887.4/3

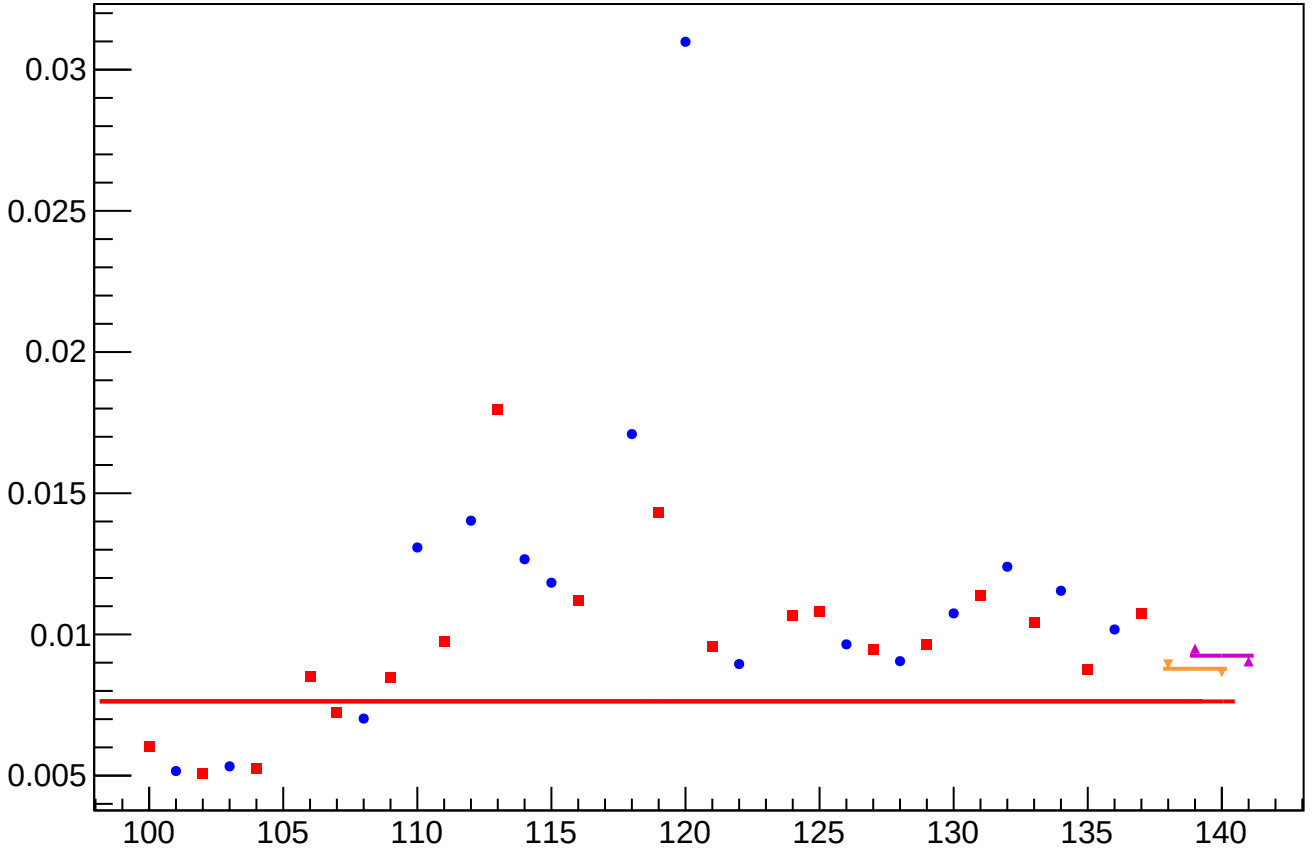
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -2.143+/-0.000 χ^2/NDF:25988966273.1/17

Out: -2.148+/-0.000 χ^2/NDF:27965434558.8/20

All: -2.146+/-0.000 χ^2/NDF: 53955777862.2/

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:666.9/1

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1852.6/1

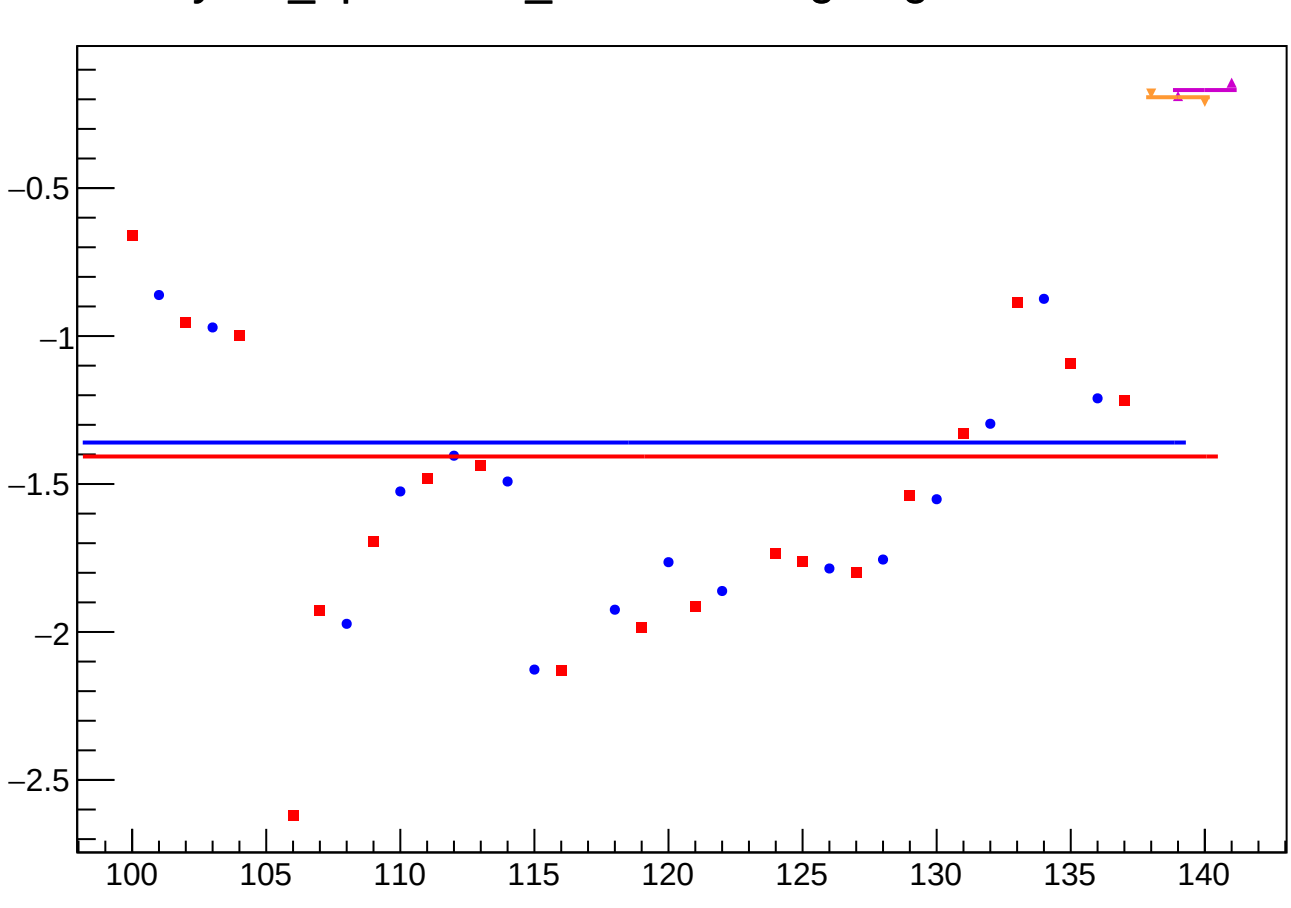
Left: 0.009+/-0.000 χ^2/NDF: 6402.4/3

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1791640.4/17

Out: 0.008+/-0.000 χ^2/NDF:1358741.3/20

All: 0.008+/-0.000 χ^2/NDF: 3151531.6/38



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.193+/-0.000 χ^2/NDF:14593169.4/1

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.169+/-0.000 χ^2/NDF:40266852.2/1

Left: -0.180+/-0.000 χ^2/NDF: 77646163.8/3

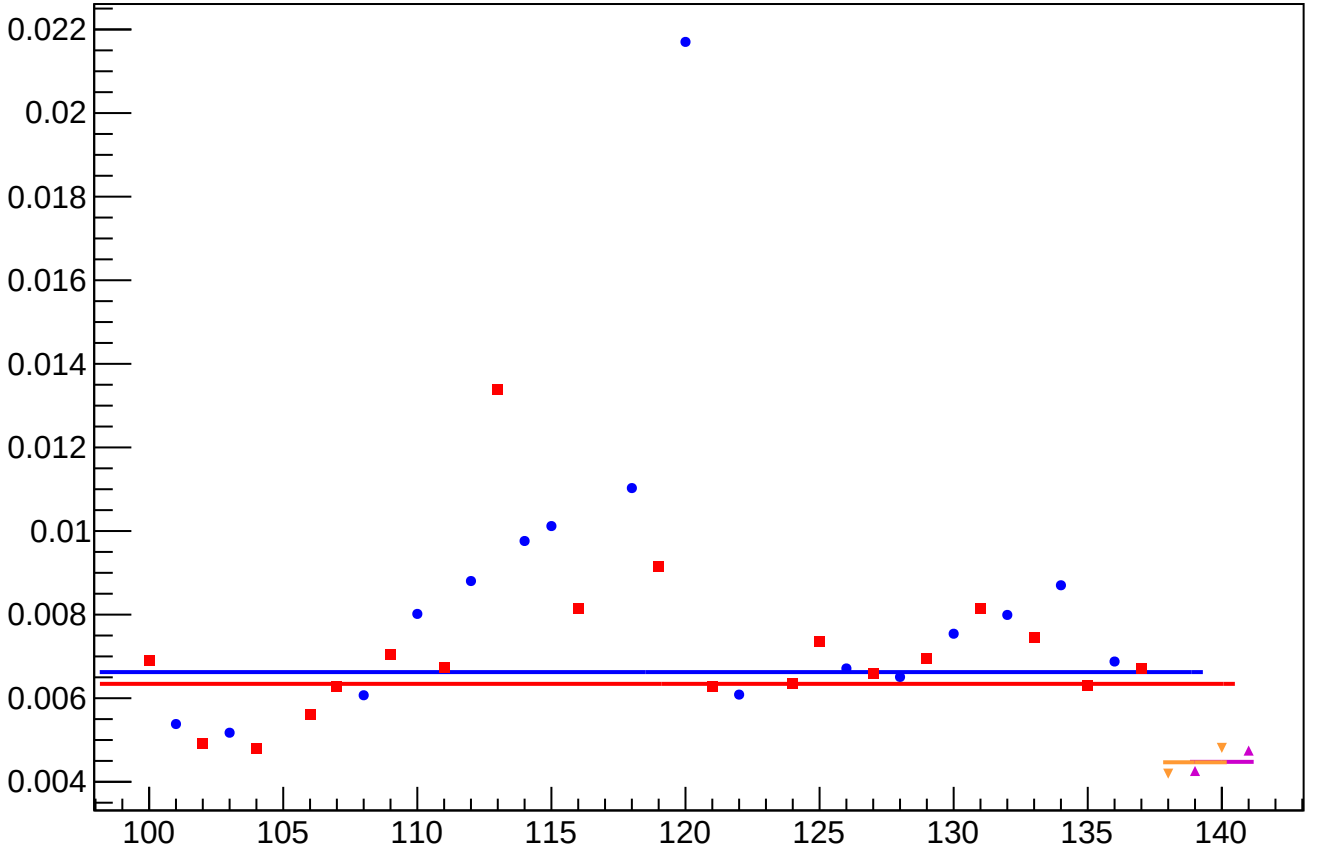
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.910+/-0.000 χ^2/NDF:92144825289.3/17

Out: -1.005+/-0.000 χ^2/NDF:104087444824.0/20

All: -0.959+/-0.000 χ^2/NDF: 197211699351.

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:14118.8/1

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:9410.4/1

Left: 0.004+/-0.000 χ^2/NDF: 23537.4/3

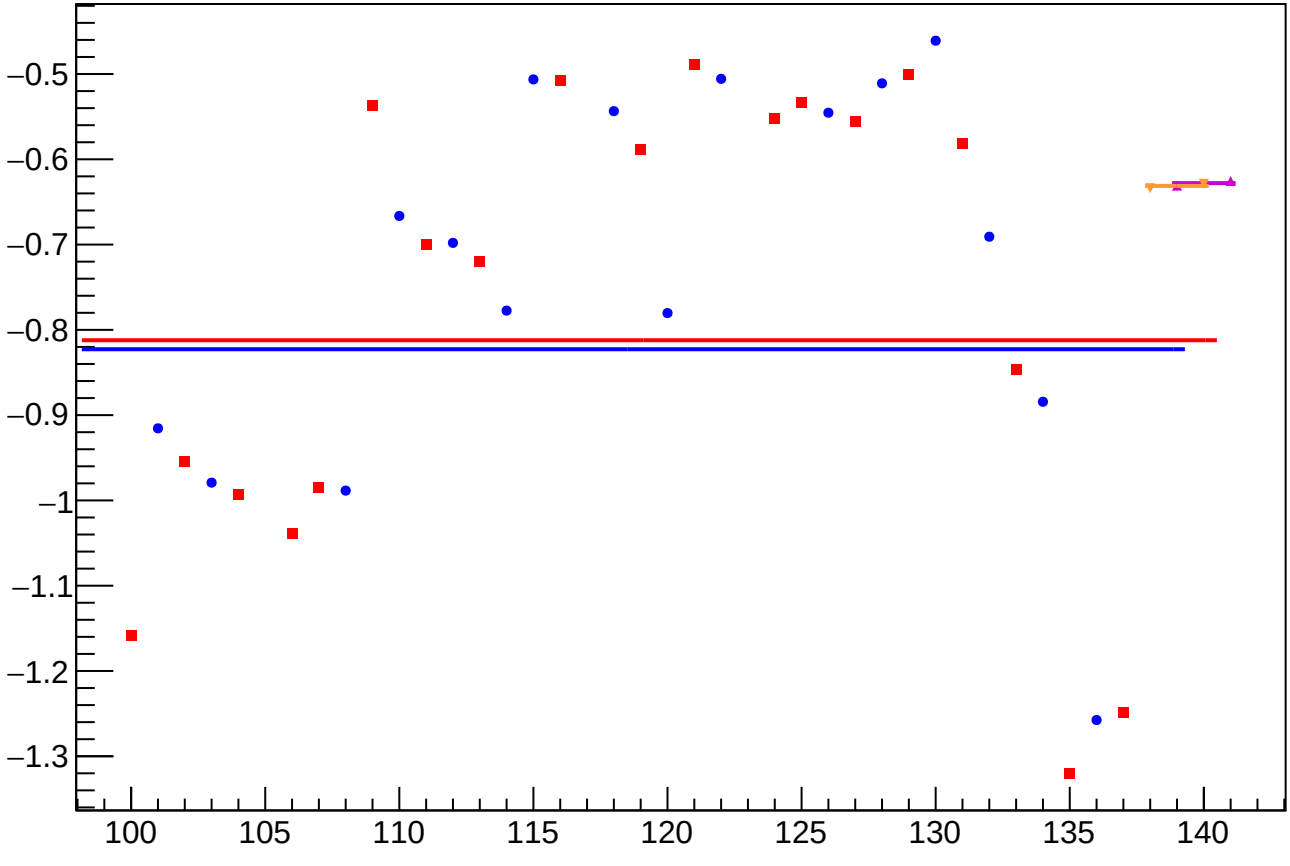
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.006+/-0.000 χ^2/NDF:1162211.1/17

Out: 0.006+/-0.000 χ^2/NDF:897896.7/20

All: 0.006+/-0.000 χ^2/NDF: 2061987.2/38

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.631+/-0.000 χ^2/NDF:267530.6/1

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.628+/-0.000 χ^2/NDF:272960.2/1

Left: -0.630+/-0.000 χ^2/NDF: 743543.3/3

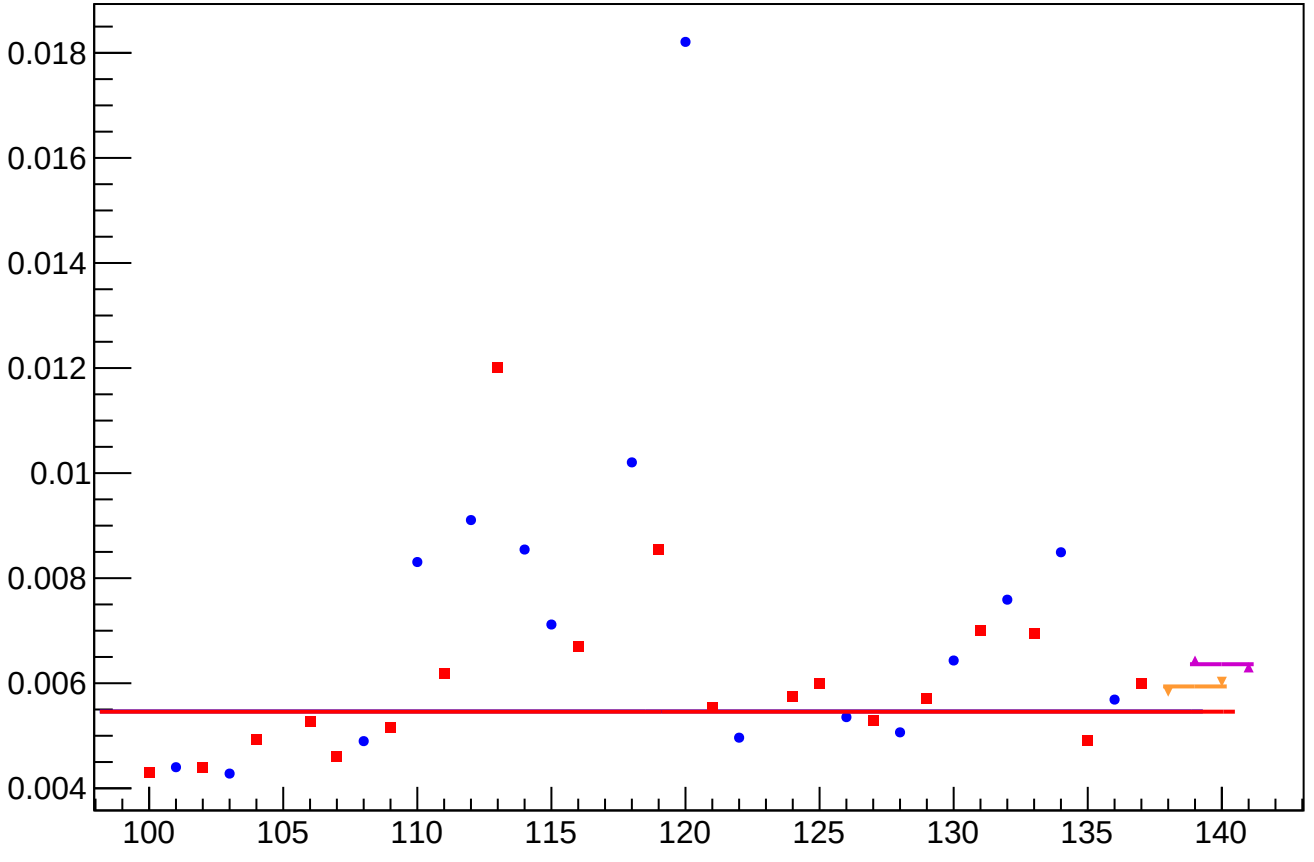
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.789+/-0.000 χ^2/NDF:13424343517.2/17

Out: -0.783+/-0.000 χ^2/NDF:15883868824.3/20

All: -0.786+/-0.000 χ^2/NDF: 29312764396.7/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:678.9/1

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:320.8/1

Left: 0.006+/-0.000 χ^2/NDF: 7851.6/3

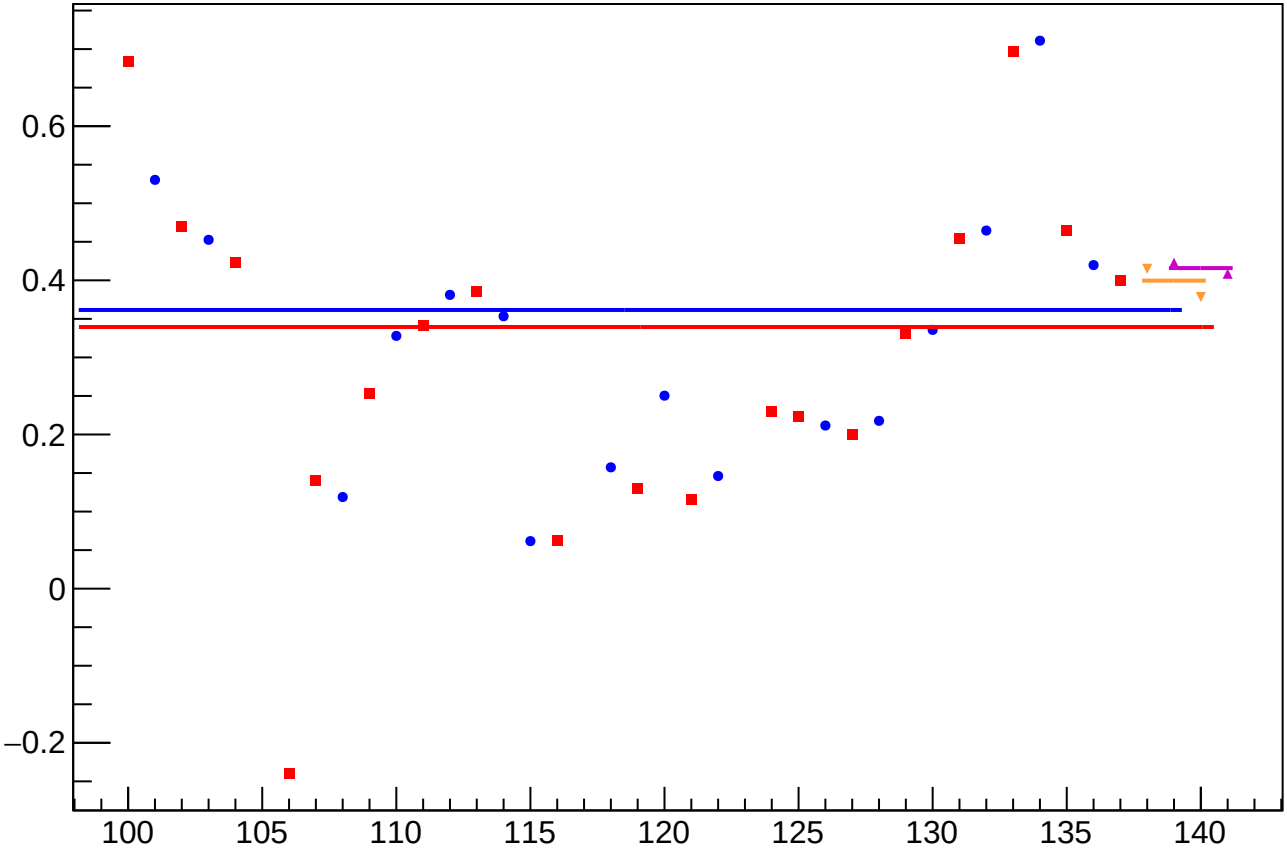
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.006+/-0.000 χ^2/NDF:1012787.1/17

Out: 0.006+/-0.000 χ^2/NDF:523396.3/20

All: 0.006+/-0.000 χ^2/NDF: 1537720.4/38

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.400+/-0.000 χ^2/NDF:23630713.4/1

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.416+/-0.000 χ^2/NDF:3732023.7/1

Left: 0.408+/-0.000 χ^2/NDF: 37031372.1/3

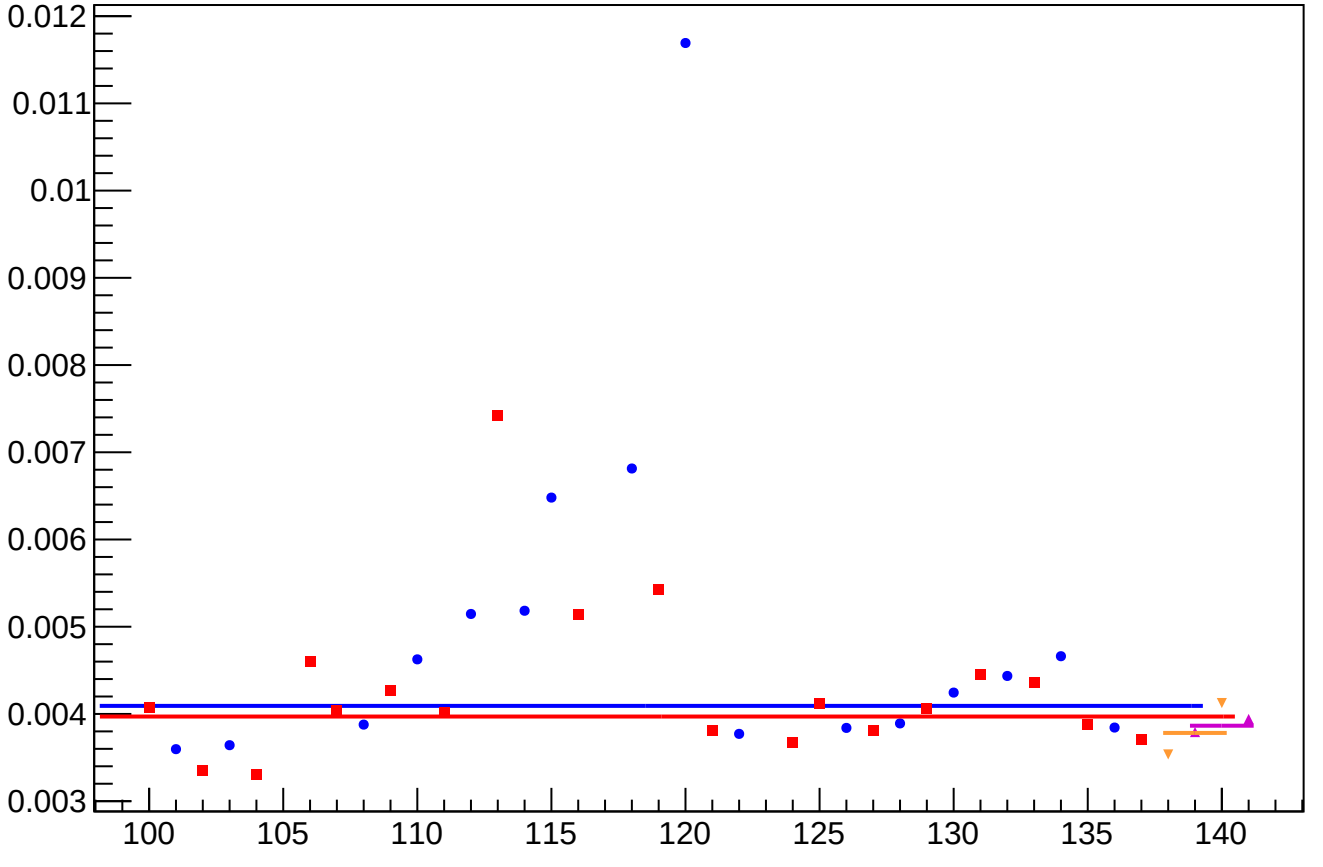
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.371+/-0.000 χ^2/NDF:8960010336.8/17

Out: 0.349+/-0.000 χ^2/NDF:12318555607.7/20

All: 0.359+/-0.000 χ^2/NDF: 21389811269.8/3

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:12282.6/1

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:830.2/1

Left: 0.004+/-0.000 χ^2/NDF: 13612.4/3

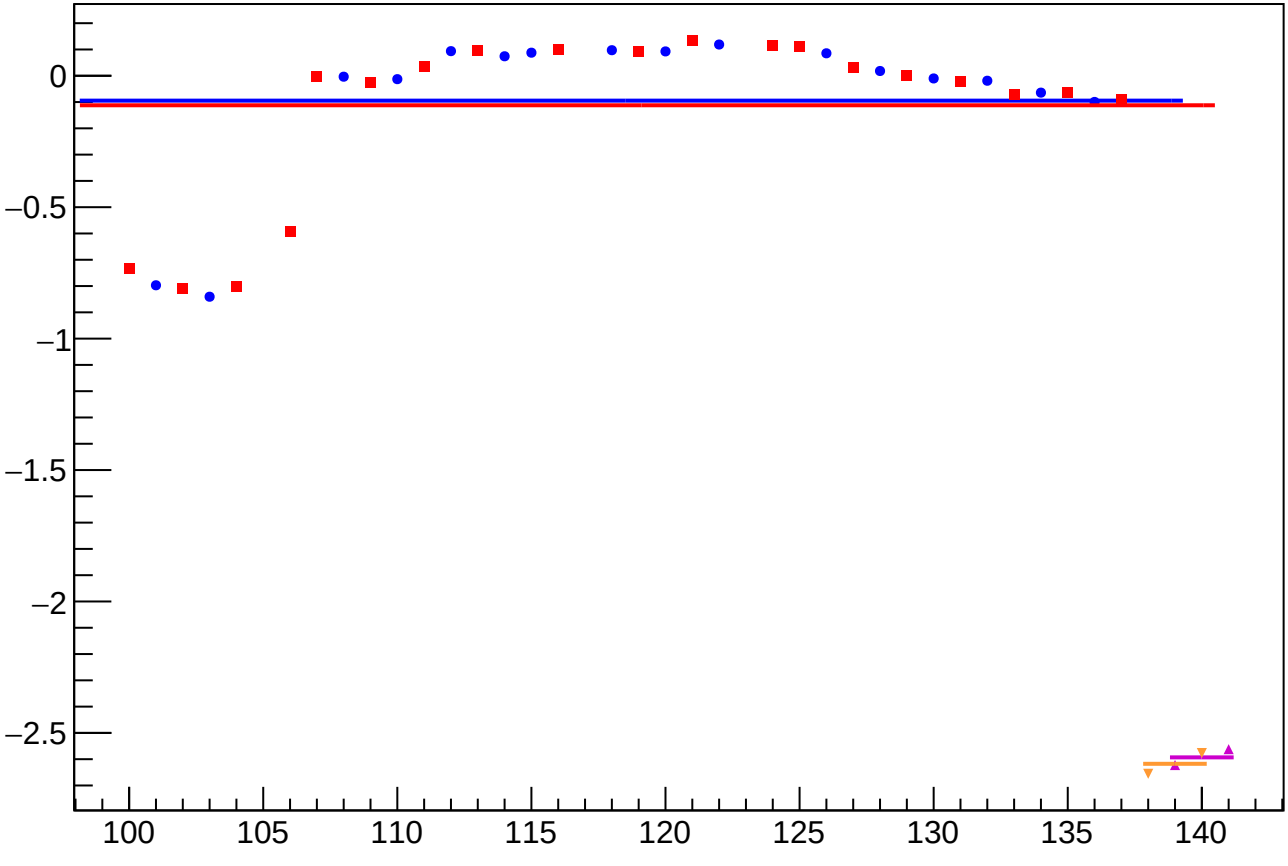
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:498891.1/17

Out: 0.004+/-0.000 χ^2/NDF:330342.4/20

All: 0.004+/-0.000 χ^2/NDF: 835051.9/38

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.618+/-0.000 χ^2/NDF:13499917.6/1

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.593+/-0.000 χ^2/NDF:8289410.7/1

Left: -2.605+/-0.000 χ^2/NDF: 24454514.4/3

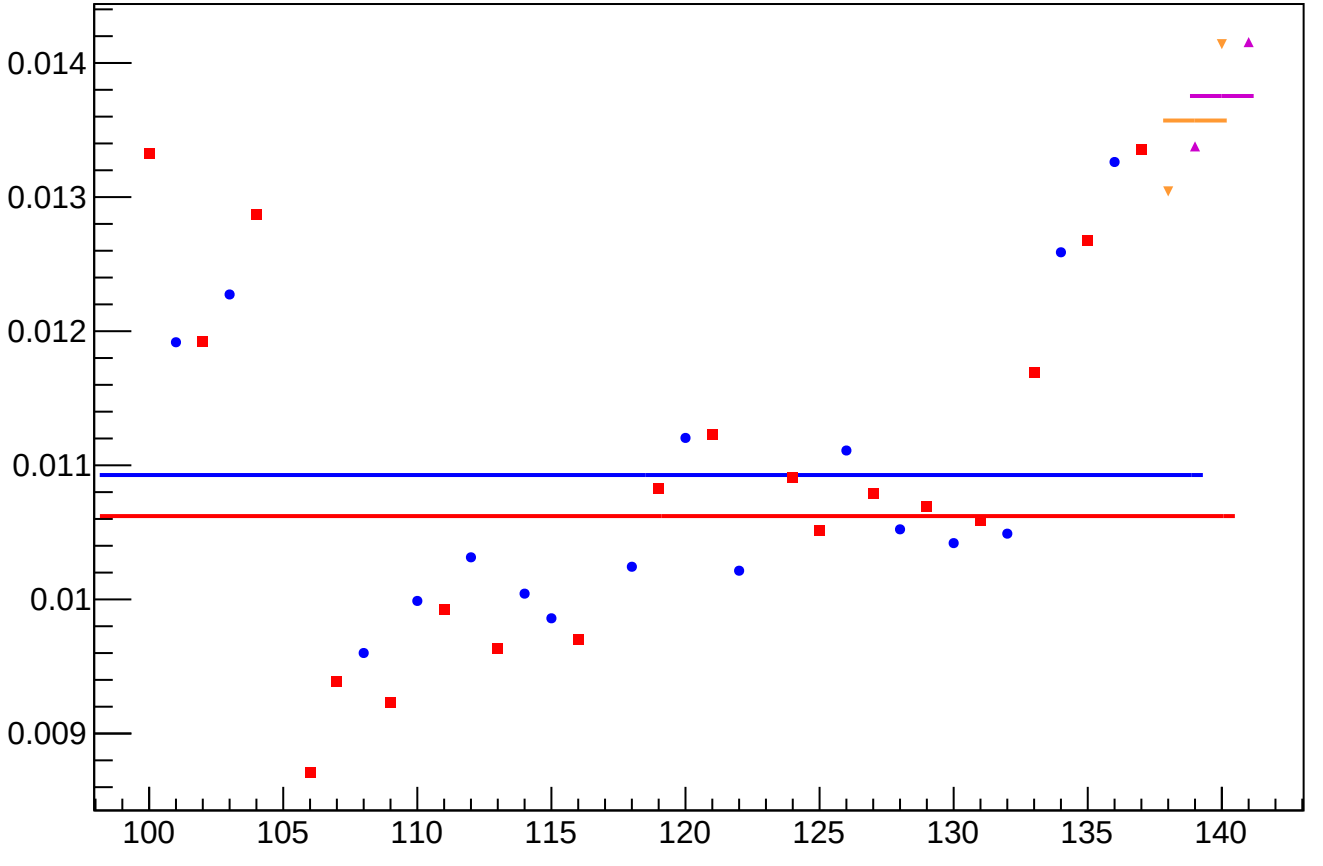
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.426+/-0.000 χ^2/NDF:54817379157.6/17

Out: -0.406+/-0.000 χ^2/NDF:54313844634.6/20

All: -0.416+/-0.000 χ^2/NDF: 109144684622.6

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:5224.9/1

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.014+/-0.000 χ^2/NDF:2750.6/1

Left: 0.014+/-0.000 χ^2/NDF: 8272.7/3

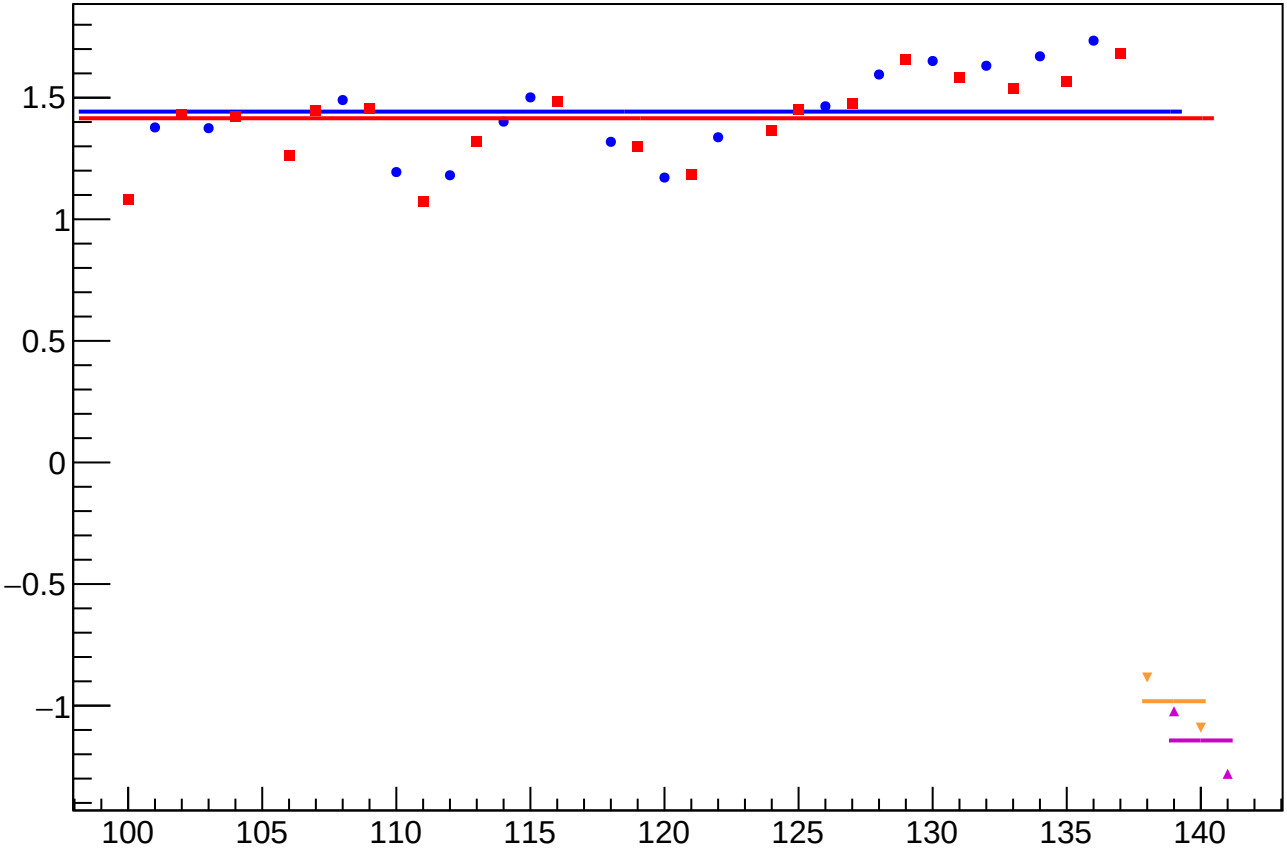
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:265455.0/17

Out: 0.011+/-0.000 χ^2/NDF:329124.6/20

All: 0.011+/-0.000 χ^2/NDF: 602555.4/38

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.982+/-0.000 χ^2/NDF:163728756.7/1

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.143+/-0.000 χ^2/NDF:259988195.2/1

Left: -1.063+/-0.000 χ^2/NDF: 627159369.3/3

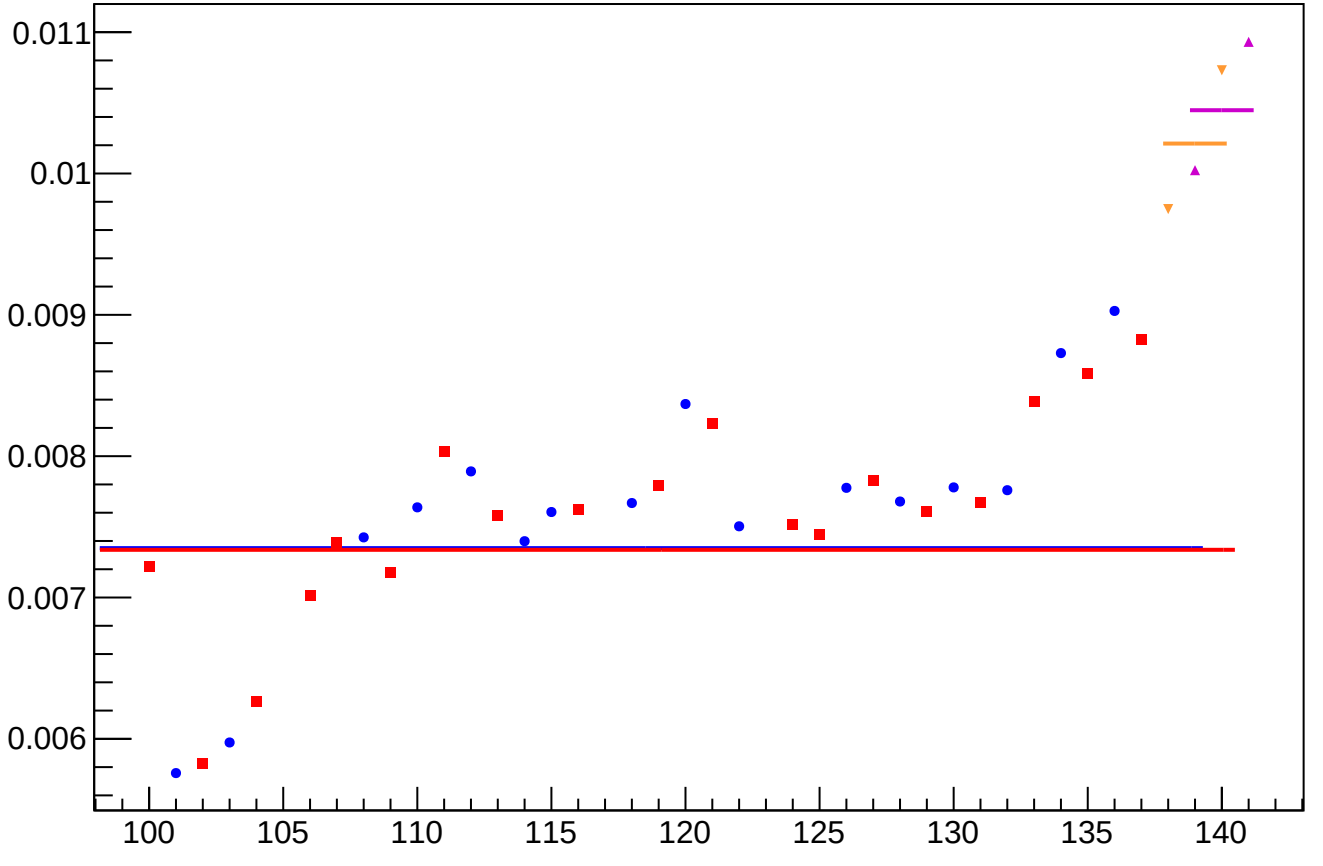
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 1.164+/-0.000 χ^2/NDF:98193005381.2/17

Out: 1.172+/-0.000 χ^2/NDF:82785788637.1/20

All: 1.168+/-0.000 χ^2/NDF: 180983550481.6

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:7430.5/1

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.010+/-0.000 χ^2/NDF:6478.5/1

Left: 0.010+/-0.000 χ^2/NDF: 14778.4/3

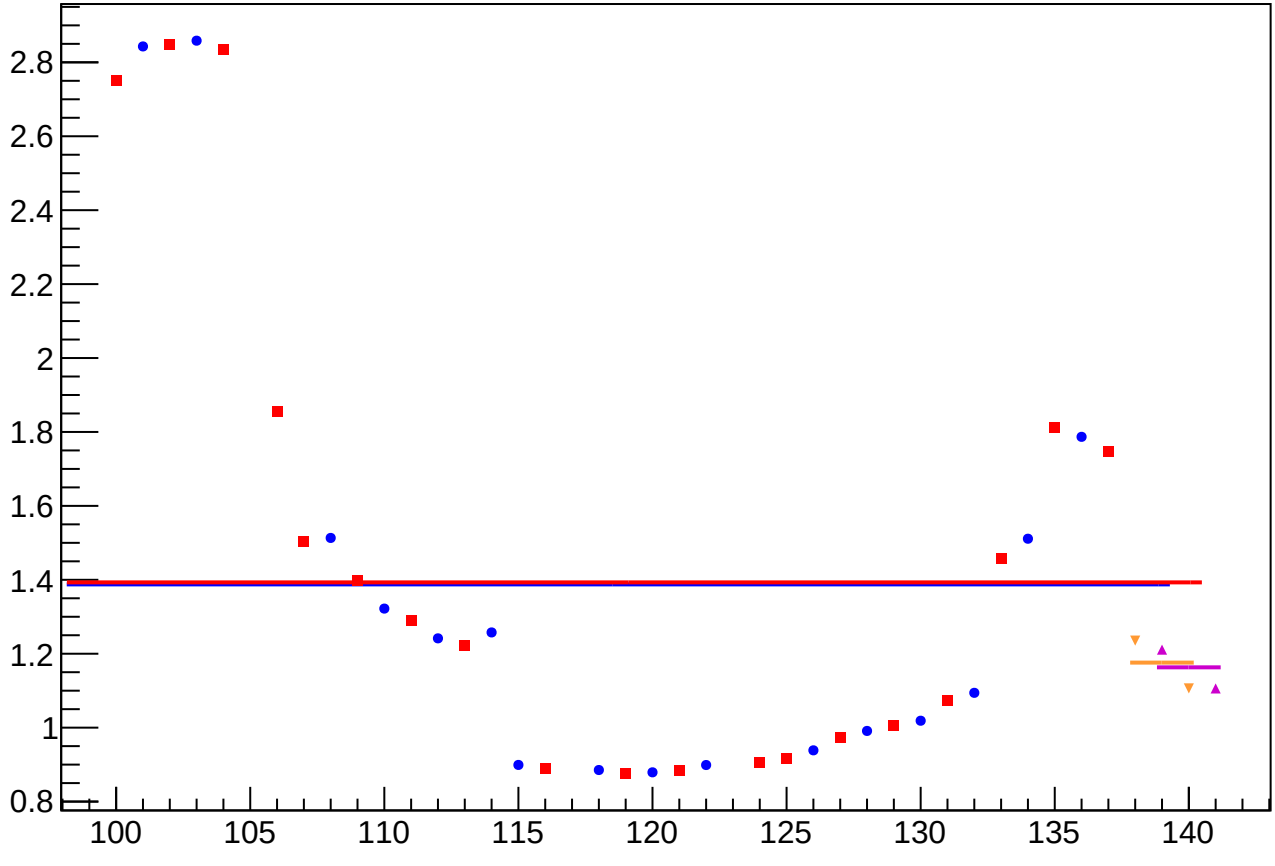
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:547794.4/17

Out: 0.008+/-0.000 χ^2/NDF:432299.9/20

All: 0.008+/-0.000 χ^2/NDF: 980528.5/38

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.176+/-0.000 χ^2/NDF:105979937.6/1

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.163+/-0.000 χ^2/NDF:71387004.8/1

Left: 1.170+/-0.000 χ^2/NDF: 179489628.9/3

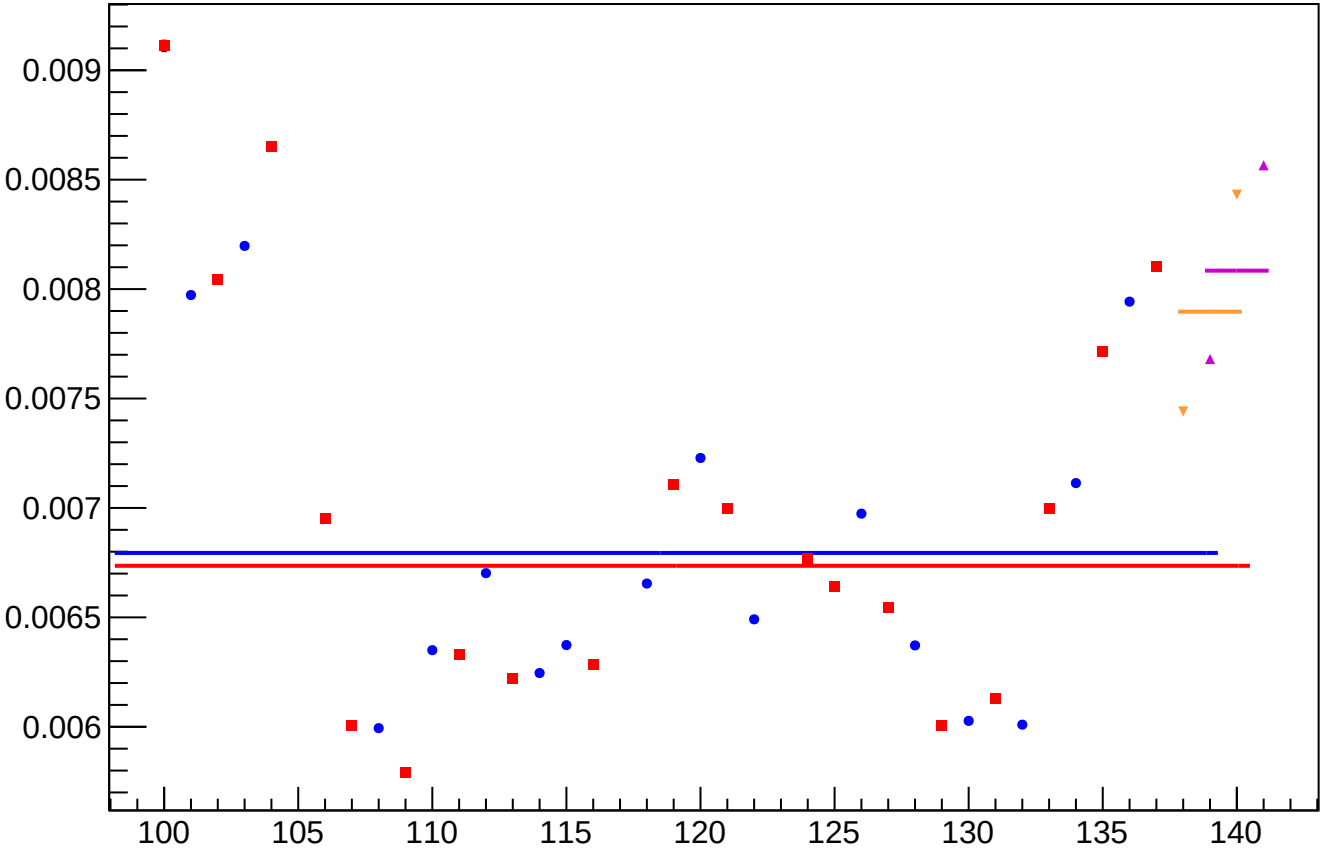
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.355+/-0.000 χ^2/NDF:59808525212.7/17

Out: 1.363+/-0.000 χ^2/NDF:56510970418.3/20

All: 1.359+/-0.000 χ^2/NDF: 116326092881.7

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:12446.6/1

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:10156.6/1

Left: 0.008+/-0.000 χ^2/NDF: 23511.1/3

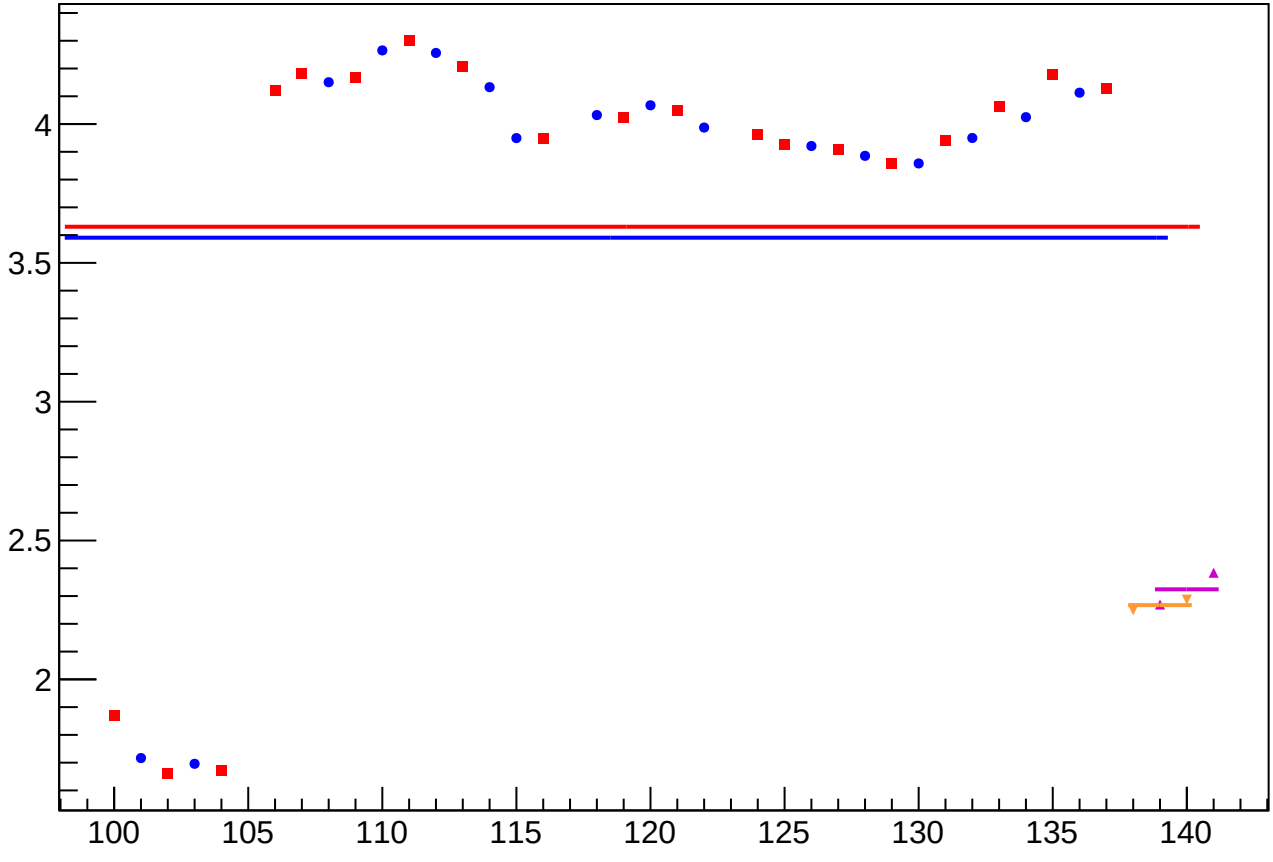
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:248909.4/17

Out: 0.007+/-0.000 χ^2/NDF:270427.4/20

All: 0.007+/-0.000 χ^2/NDF: 520757.0/38

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.267+/-0.000 χ^2/NDF:11241449.3/1

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 2.324+/-0.000 χ^2/NDF:103716002.6/1

Left: 2.296+/-0.000 χ^2/NDF: 165402077.9/3

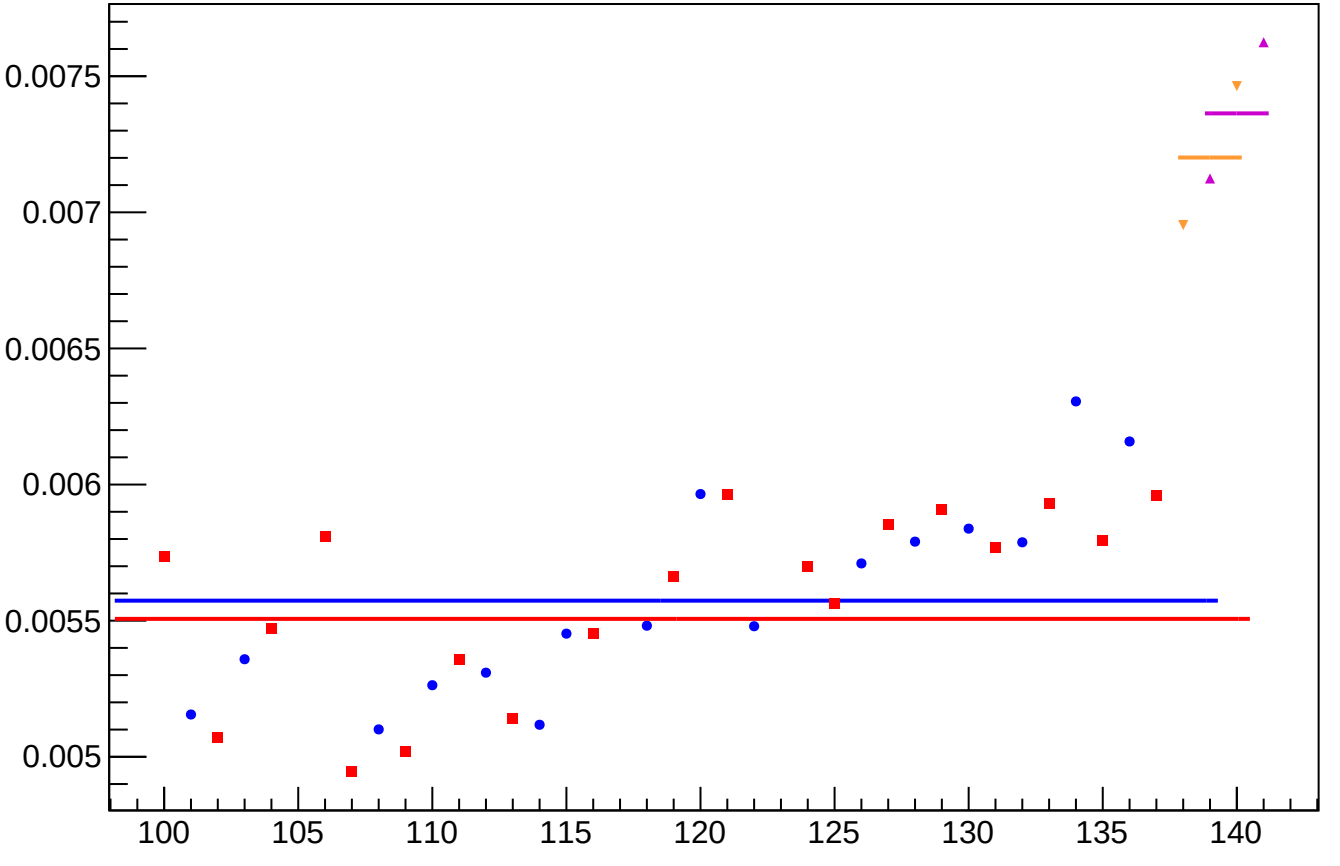
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 3.438+/-0.000 χ^2/NDF:247013774581.0/17

Out: 3.475+/-0.000 χ^2/NDF:263361332938.4/20

All: 3.457+/-0.000 χ^2/NDF: 510566046517.3

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:4013.3/1

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.007+/-0.000 χ^2/NDF:3964.2/1

Left: 0.007+/-0.000 χ^2/NDF: 8799.6/3

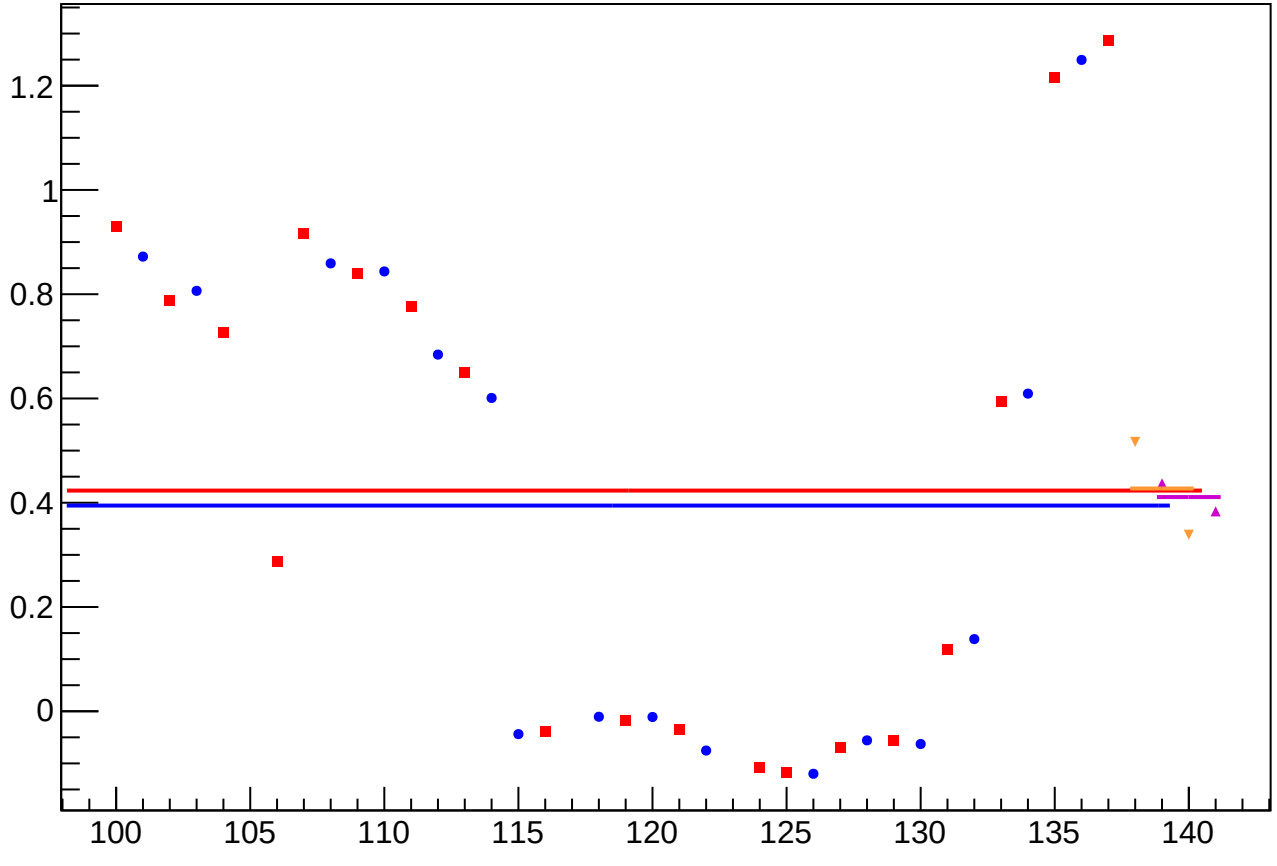
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:241770.0/17

Out: 0.006+/-0.000 χ^2/NDF:218449.6/20

All: 0.006+/-0.000 χ^2/NDF: 462422.7/38

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.427+/-0.000 χ^2/NDF:48034329.7/1

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.411+/-0.000 χ^2/NDF:4543503.4/1

Left: 0.419+/-0.000 χ^2/NDF: 53408658.5/3

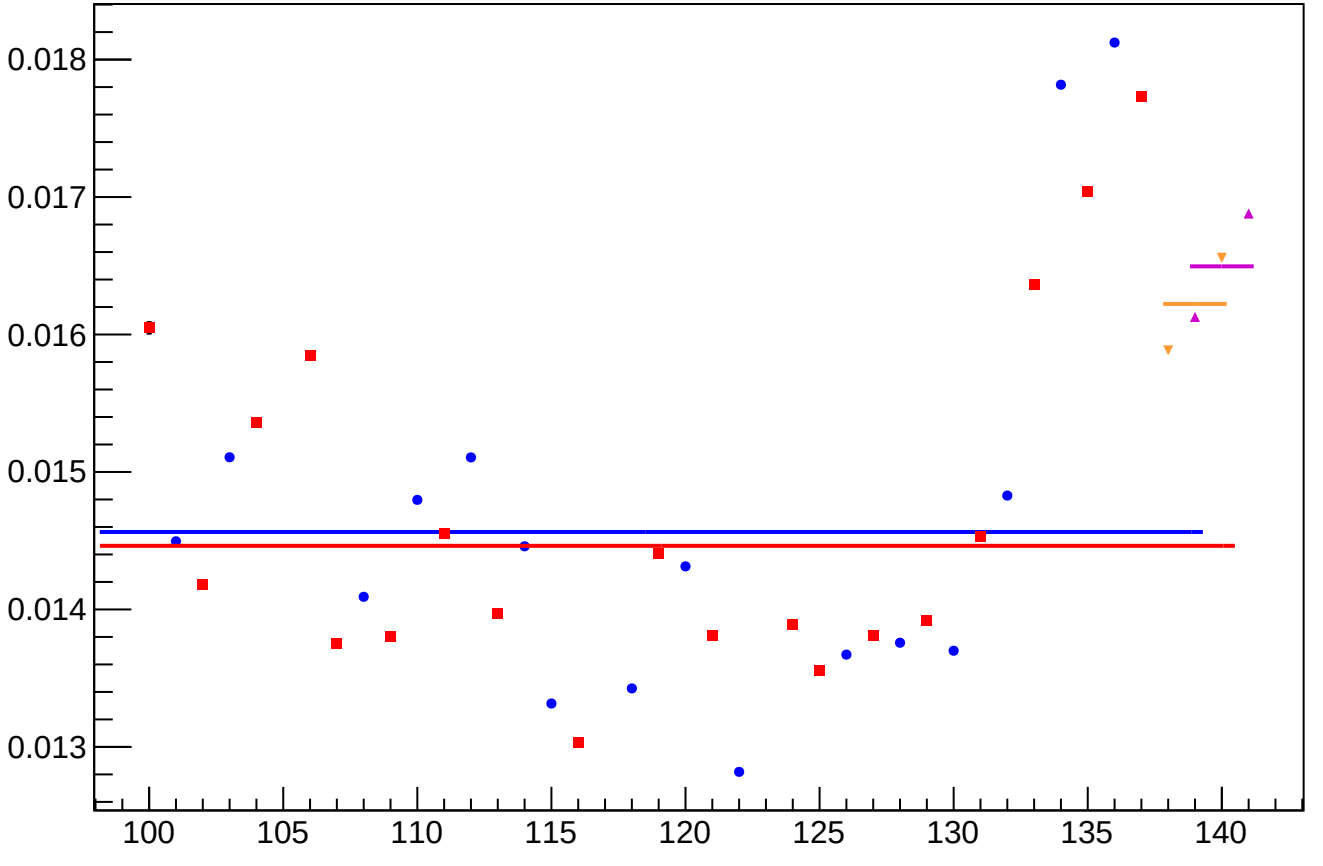
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.397+/-0.000 χ^2/NDF:7418511273.0/17

Out: 0.424+/-0.000 χ^2/NDF:6952176049.3/20

All: 0.411+/-0.000 χ^2/NDF: 14385123132.2/3

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:1372.8/1

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:1786.1/1

Left: 0.016+/-0.000 χ^2/NDF: 3620.8/3

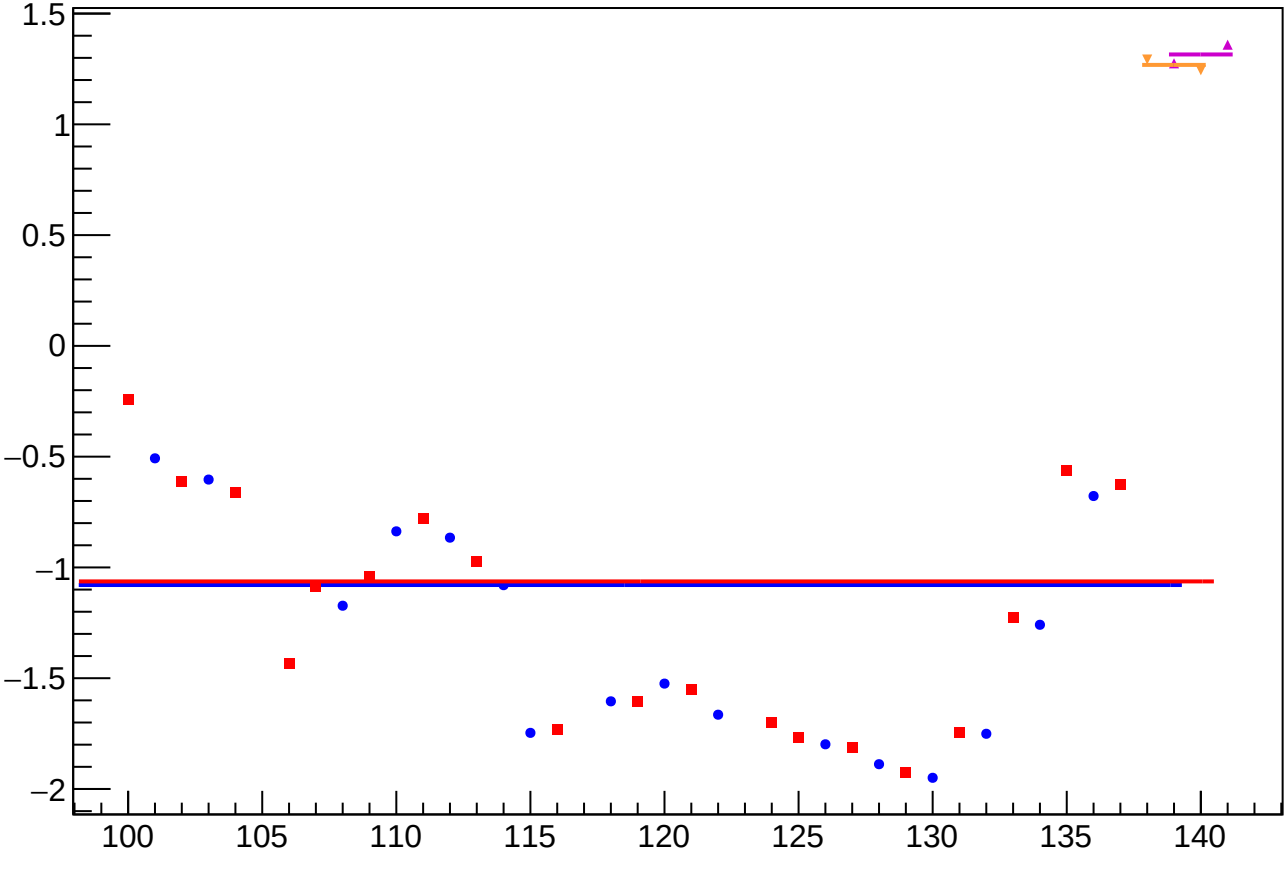
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.015+/-0.000 χ^2/NDF:174602.4/17

Out: 0.015+/-0.000 χ^2/NDF:110727.8/20

All: 0.015+/-0.000 χ^2/NDF: 286200.5/38

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.268+/-0.000 χ^2/NDF:55140468.7/1

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.315+/-0.000 χ^2/NDF:154337492.0/1

Left: 1.291+/-0.000 χ^2/NDF: 310176367.9/3

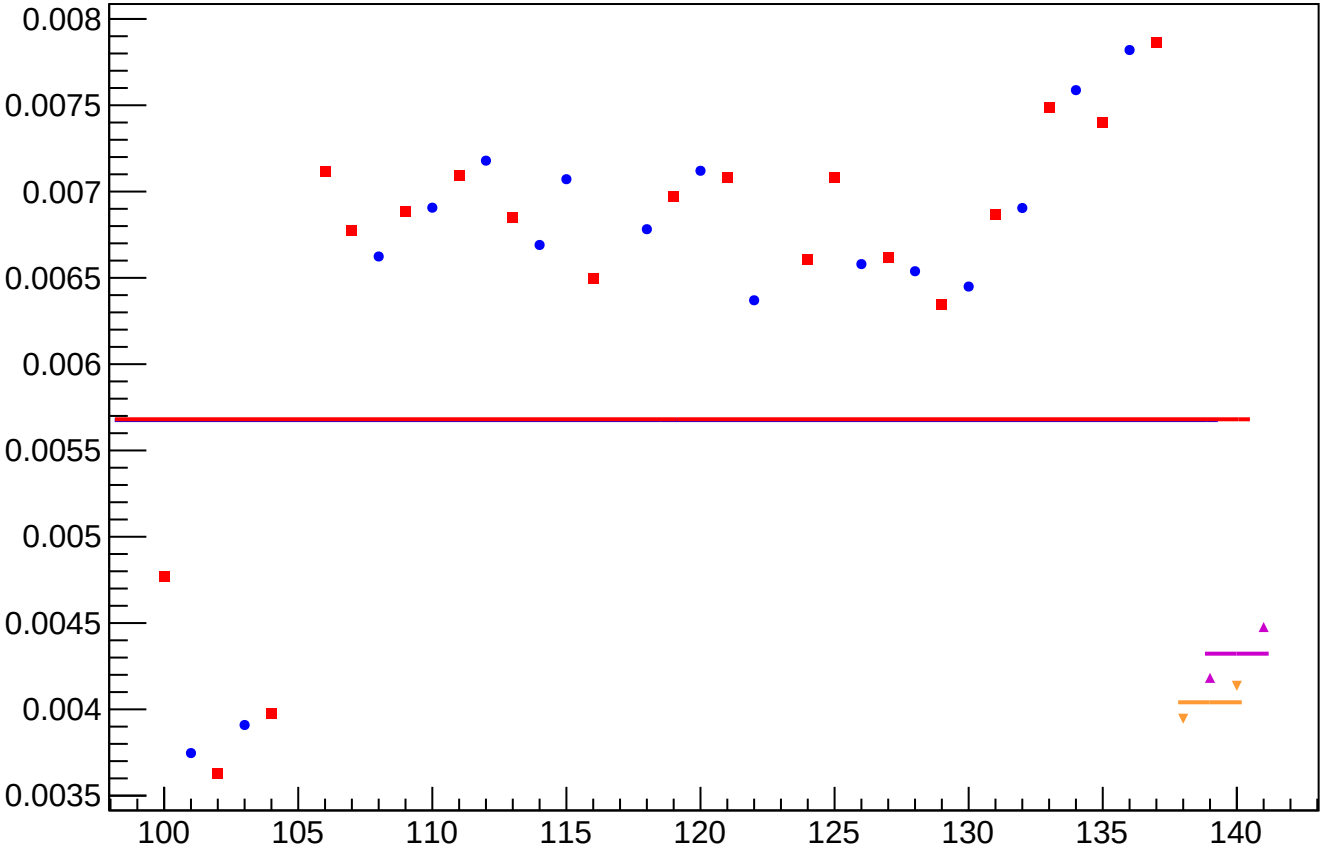
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: -0.346+/-0.000 χ^2/NDF:407170681124.2/17

Out: -0.316+/-0.000 χ^2/NDF:397915333376.8/20

All: -0.331+/-0.000 χ^2/NDF: 805211593928.2

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1715.2/1

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3775.8/1

Left: 0.004+/-0.000 χ^2/NDF: 12683.8/3

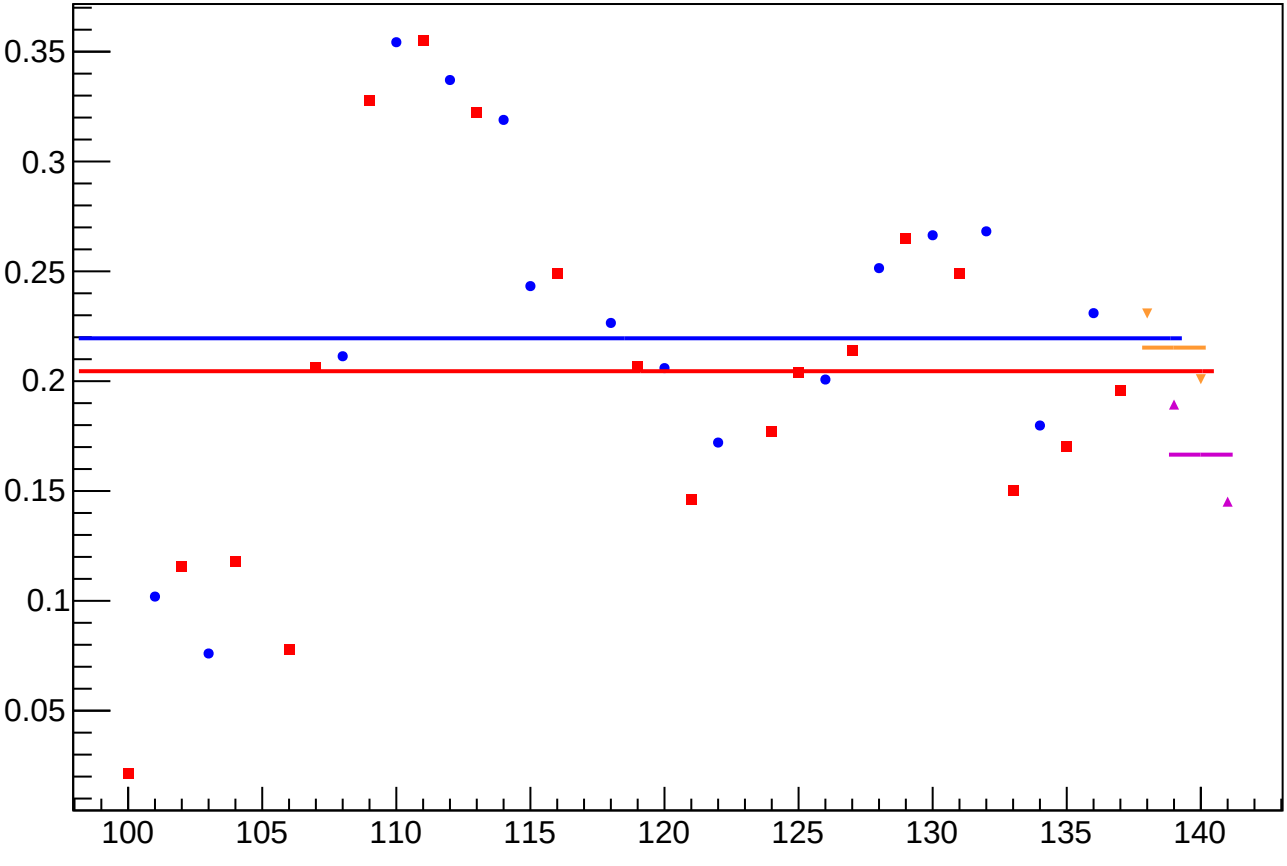
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.005+/-0.000 χ^2/NDF:1170416.7/17

Out: 0.005+/-0.000 χ^2/NDF:1326540.5/20

All: 0.005+/-0.000 χ^2/NDF: 2500213.8/38

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.215+/-0.000 χ^2/NDF:180635217.1/1

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.167+/-0.000 χ^2/NDF:421950548.6/1

Left: 0.190+/-0.000 χ^2/NDF: 1594450568.6/3

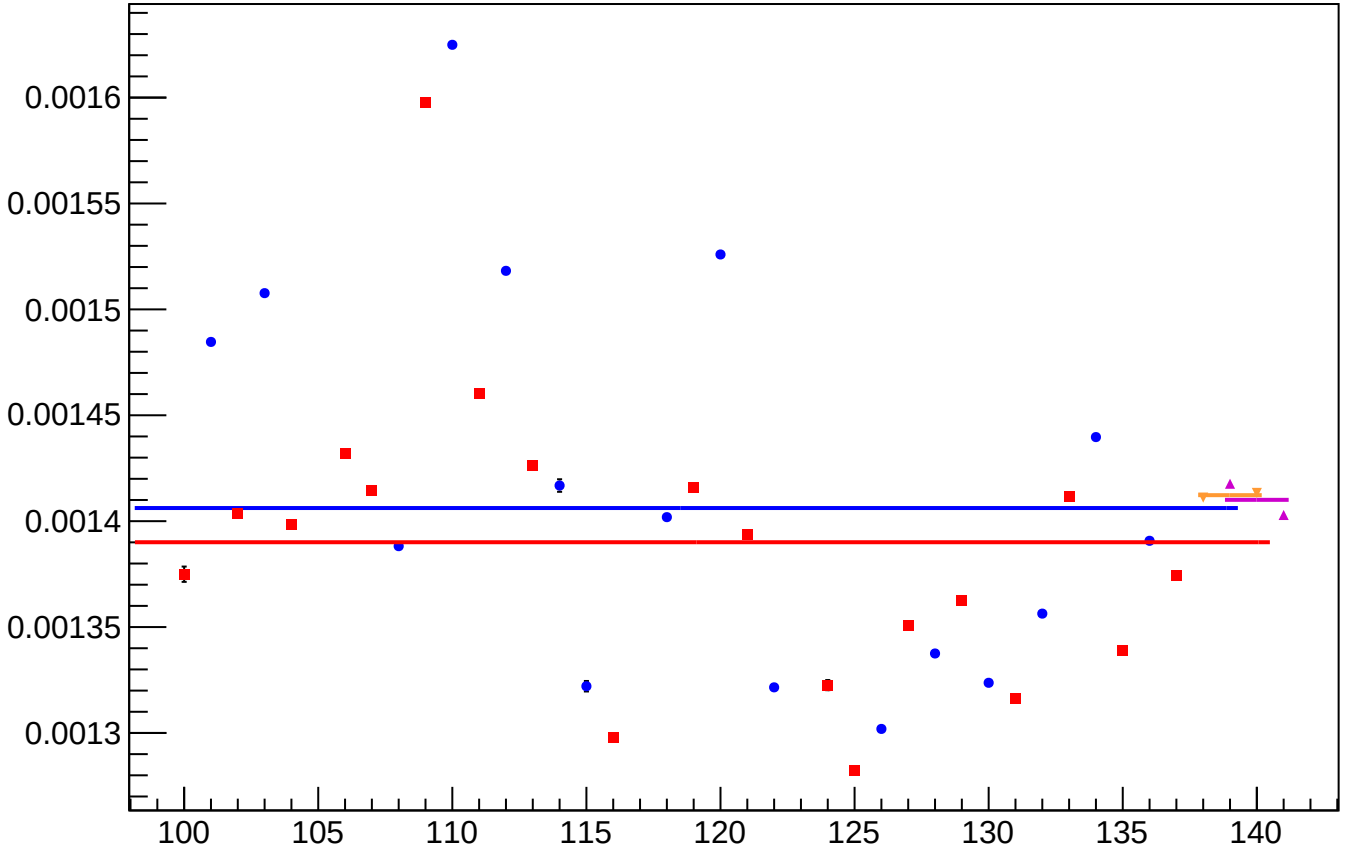
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.209+/-0.000 χ^2/NDF:19098696302.7/17

Out: 0.206+/-0.000 χ^2/NDF:22569842729.3/20

All: 0.208+/-0.000 χ^2/NDF: 41683977767.5/3

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2.0/1

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:94.0/1

Left: 0.001+/-0.000 χ^2/NDF: 100.1/3

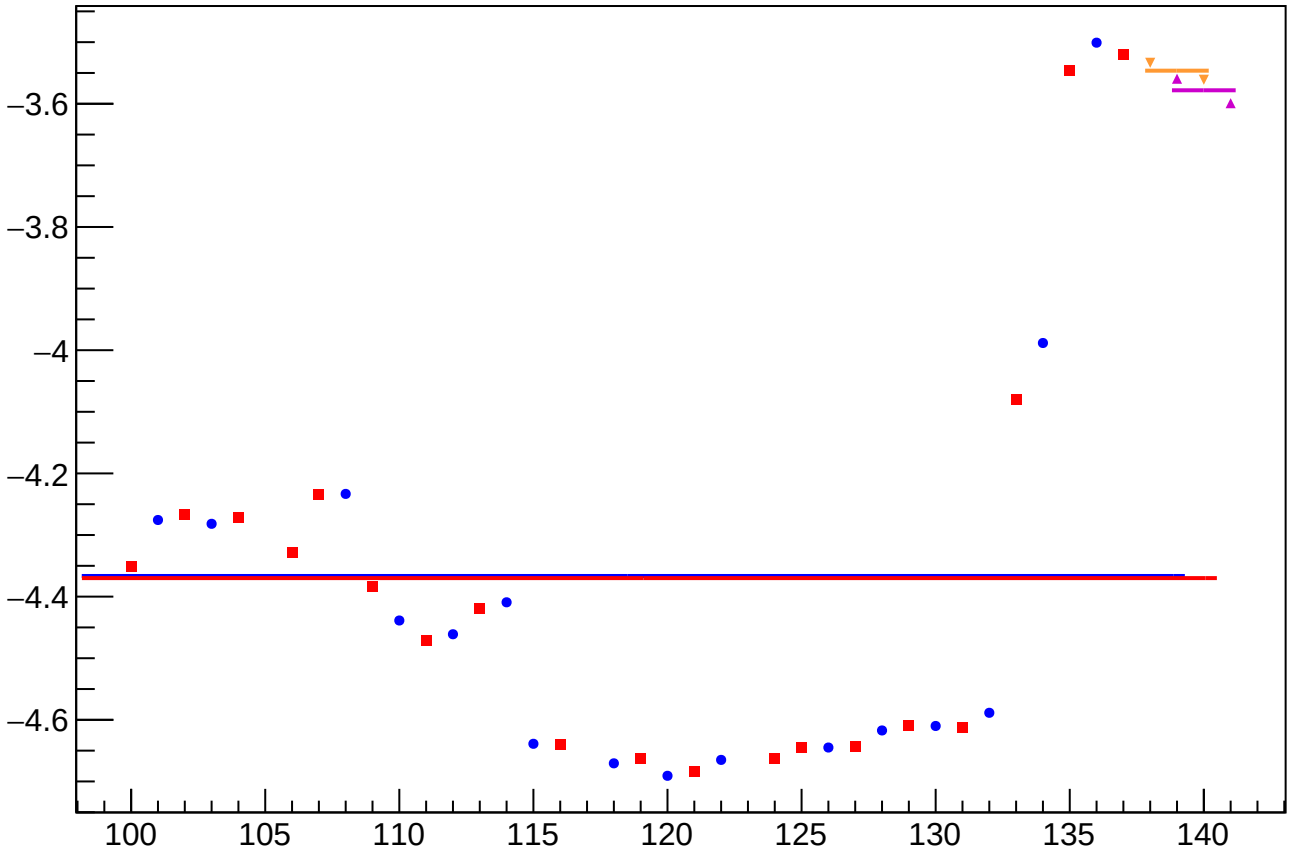
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:48315.6/17

Out: 0.001+/-0.000 χ^2/NDF:35447.0/20

All: 0.001+/-0.000 χ^2/NDF: 84522.0/38

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.546+/-0.000 χ^2/NDF:102322019.3/1

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.578+/-0.000 χ^2/NDF:216958793.5/1

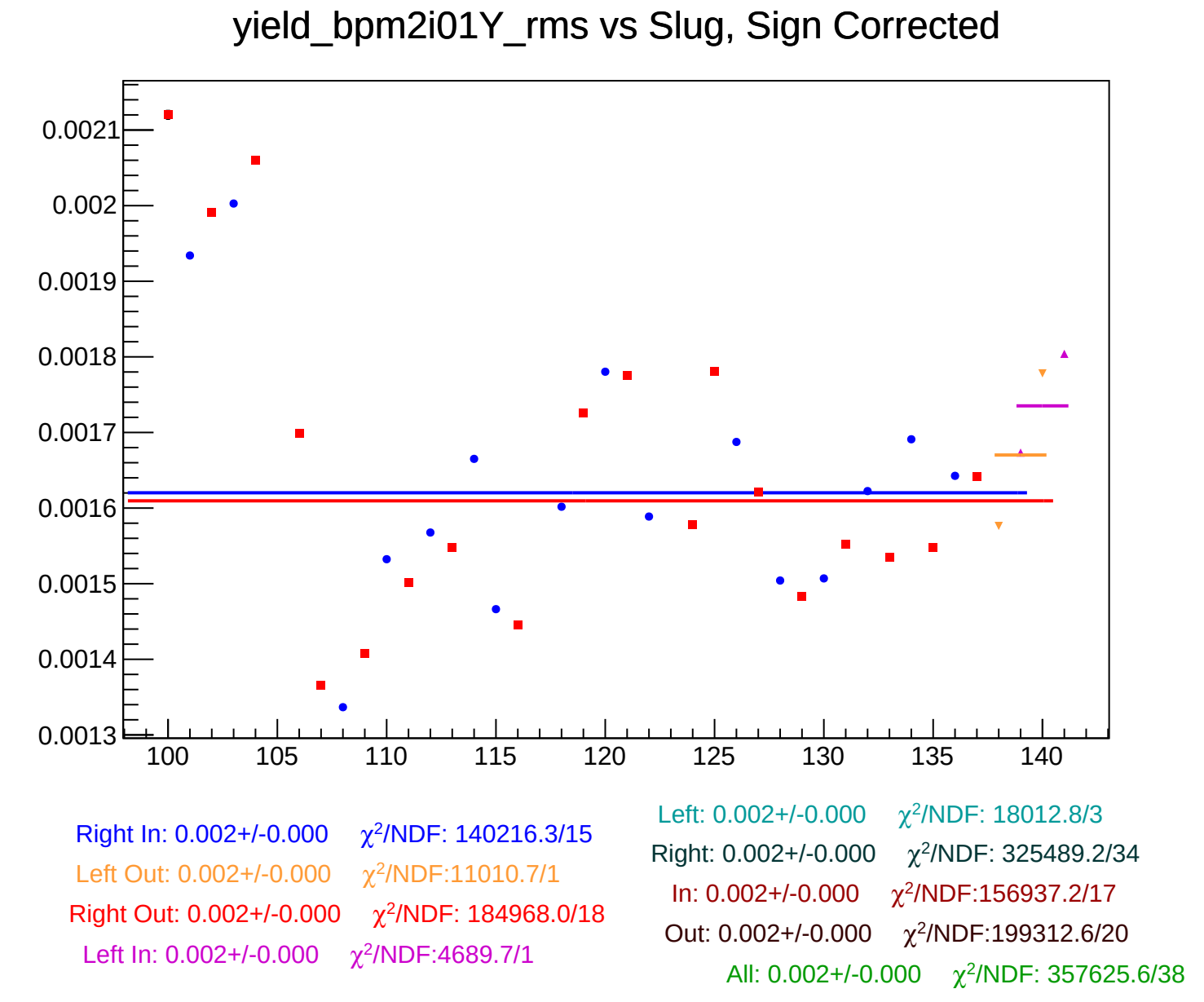
Left: -3.562+/-0.000 χ^2/NDF: 596857102.7/3

Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

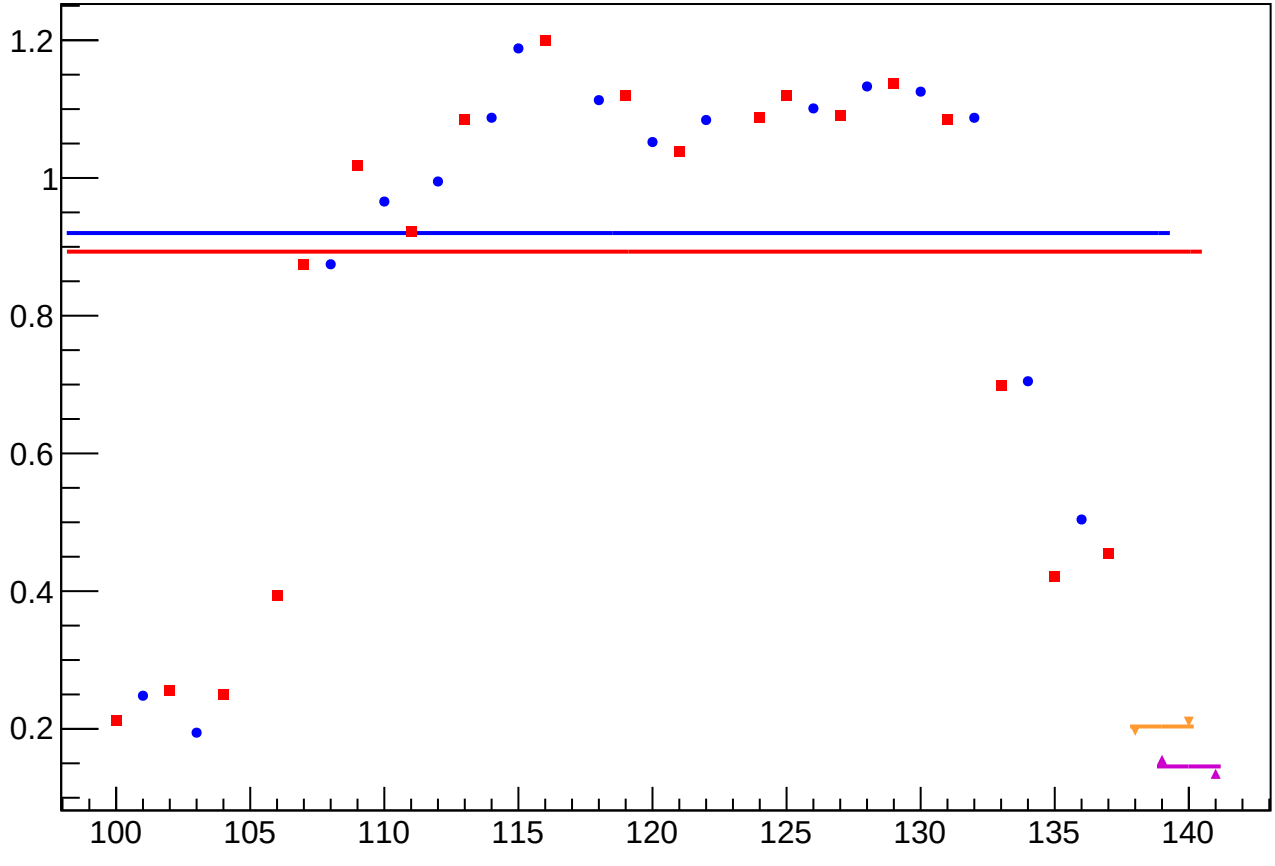
In: -4.229+/-0.000 χ^2/NDF:636201725725.0/17

Out: -4.234+/-0.000 χ^2/NDF:604068824180.1/20

All: -4.232+/-0.000 χ^2/NDF: 1240303131169


yield_bpm2i01Y_rms vs Slug, Sign Corrected
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
100
105
110
115
120
125
130
135
140
Right In: 0.002+/-0.000 χ²/NDF: 140216.3/15
Left Out: 0.002+/-0.000 χ²/NDF:11010.7/1
Right Out: 0.002+/-0.000 χ²/NDF: 184968.0/18
Left In: 0.002+/-0.000 χ²/NDF:4689.7/1
Left: 0.002+/-0.000 χ²/NDF: 18012.8/3
Right: 0.002+/-0.000 χ²/NDF: 325489.2/34
In: 0.002+/-0.000 χ²/NDF:156937.2/17
Out: 0.002+/-0.000 χ²/NDF:199312.6/20
All: 0.002+/-0.000 χ²/NDF: 357625.6/38

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.203+/-0.000 χ^2/NDF:1005678.1/1

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.145+/-0.000 χ^2/NDF:2427884.8/1

Left: 0.174+/-0.000 χ^2/NDF: 42625374.9/3

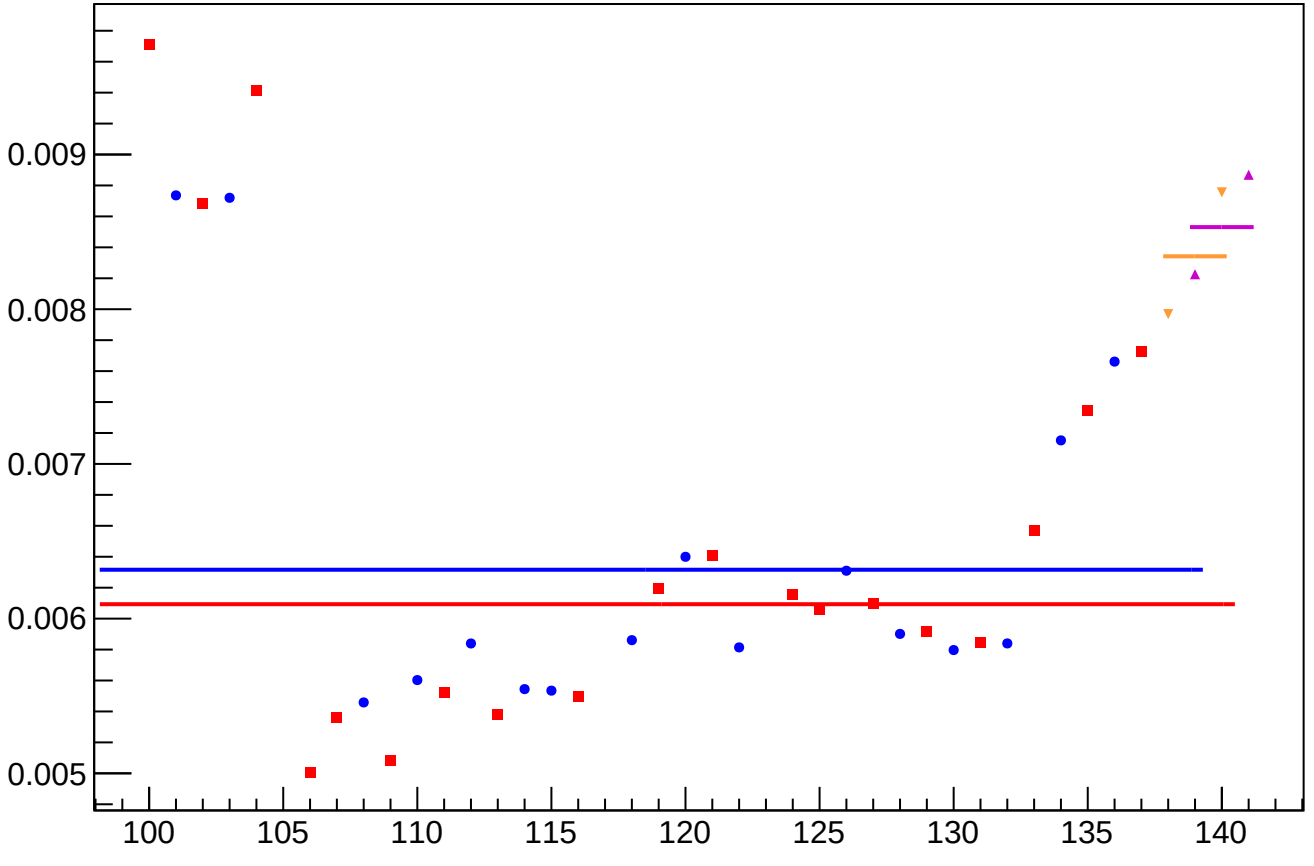
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.828+/-0.000 χ^2/NDF:27076180258.4/17

Out: 0.821+/-0.000 χ^2/NDF:27404228856.2/20

All: 0.824+/-0.000 χ^2/NDF: 54486403839.2/3

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:7089.3/1

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:4877.1/1

Left: 0.008+/-0.000 χ^2/NDF: 12796.5/3

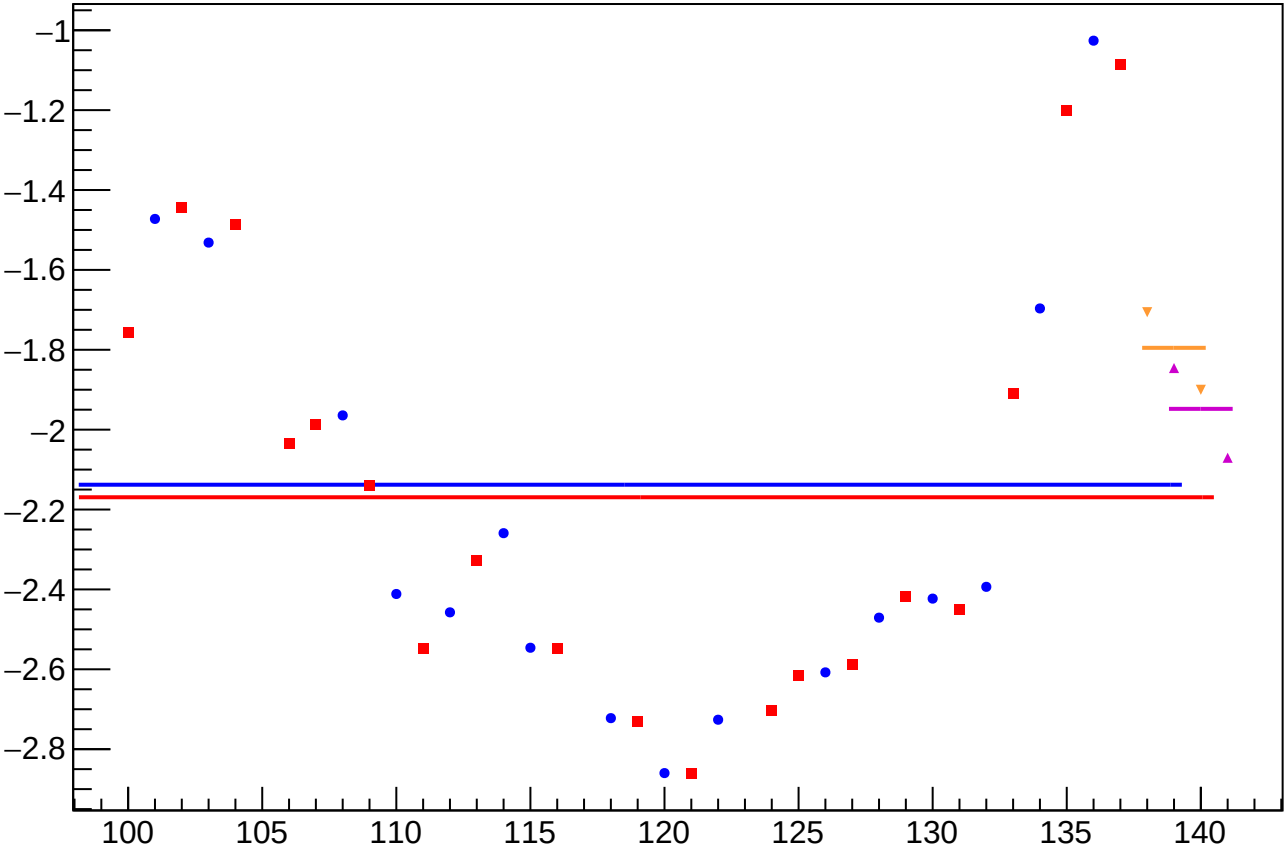
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:545116.7/17

Out: 0.006+/-0.000 χ^2/NDF:650679.5/20

All: 0.006+/-0.000 χ^2/NDF: 1208749.0/38

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.795+/-0.000 χ^2/NDF:279781933.2/1

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -1.948+/-0.000 χ^2/NDF:377915028.2/1

Left: -1.872+/-0.000 χ^2/NDF: 1008219360.7/3

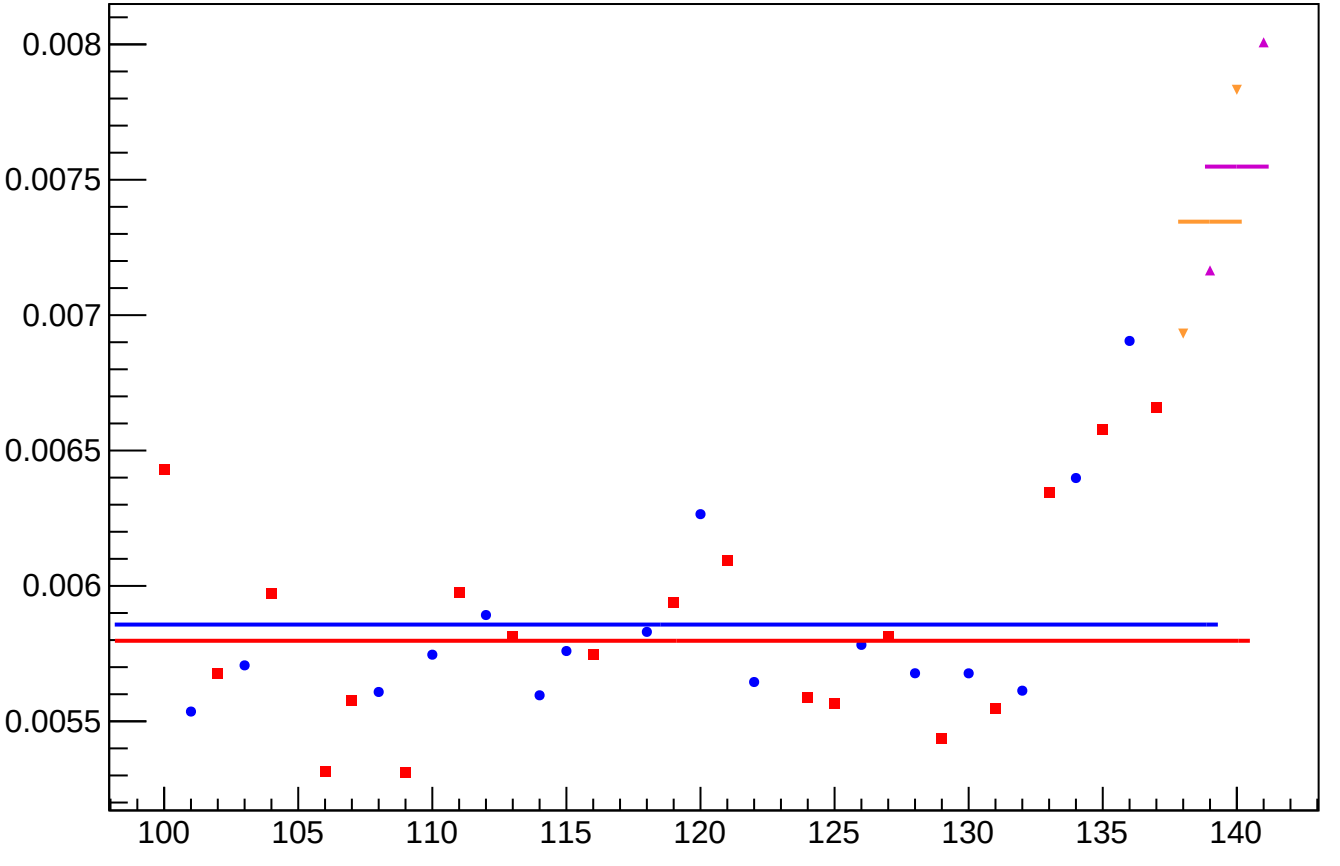
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.114+/-0.000 χ^2/NDF:66997014099.5/17

Out: -2.125+/-0.000 χ^2/NDF:61371788947.0/20

All: -2.120+/-0.000 χ^2/NDF: 128383490388.4

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:12018.9/1

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.008+/-0.000 χ^2/NDF:10629.9/1

Left: 0.007+/-0.000 χ^2/NDF: 23890.5/3

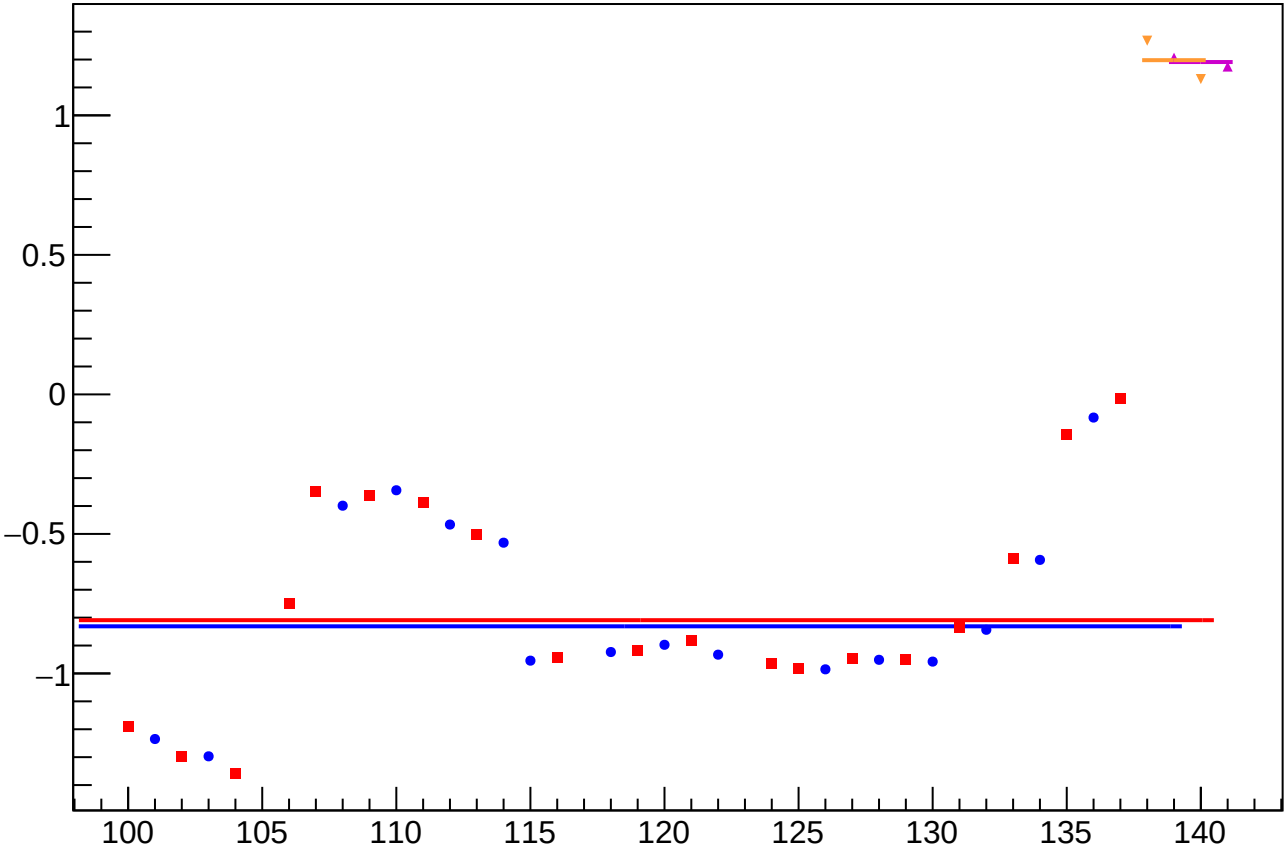
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:223616.9/17

Out: 0.006+/-0.000 χ^2/NDF:194464.6/20

All: 0.006+/-0.000 χ^2/NDF: 420040.2/38

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 1.198+/-0.000 χ^2/NDF:47038788.0/1

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: 1.191+/-0.000 χ^2/NDF:2582653.9/1

Left: 1.194+/-0.000 χ^2/NDF: 49846210.7/3

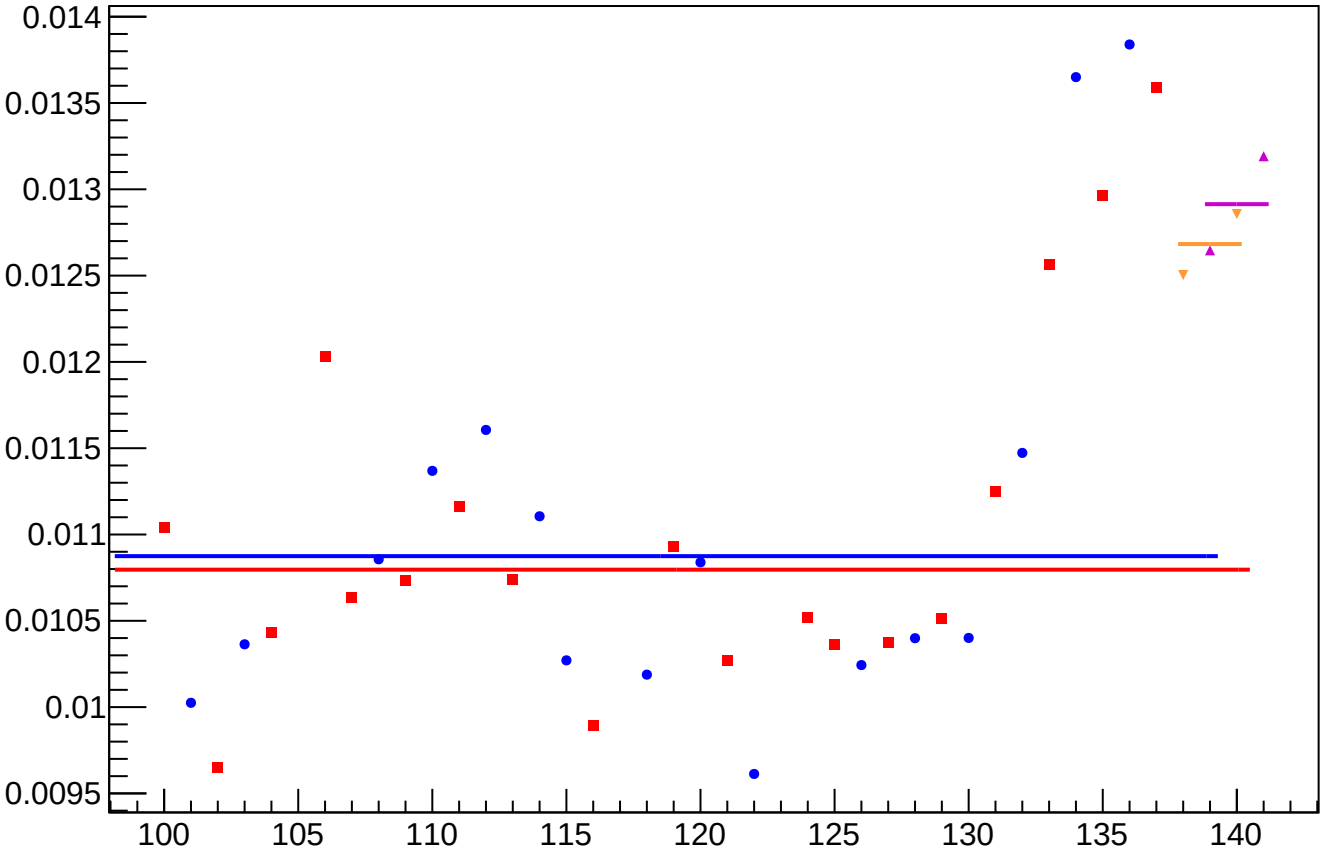
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.533+/-0.000 χ^2/NDF:43037313573.8/17

Out: -0.532+/-0.000 χ^2/NDF:42708029713.7/20

All: -0.532+/-0.000 χ^2/NDF: 85745365464.2/

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:621.3/1

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:1531.0/1

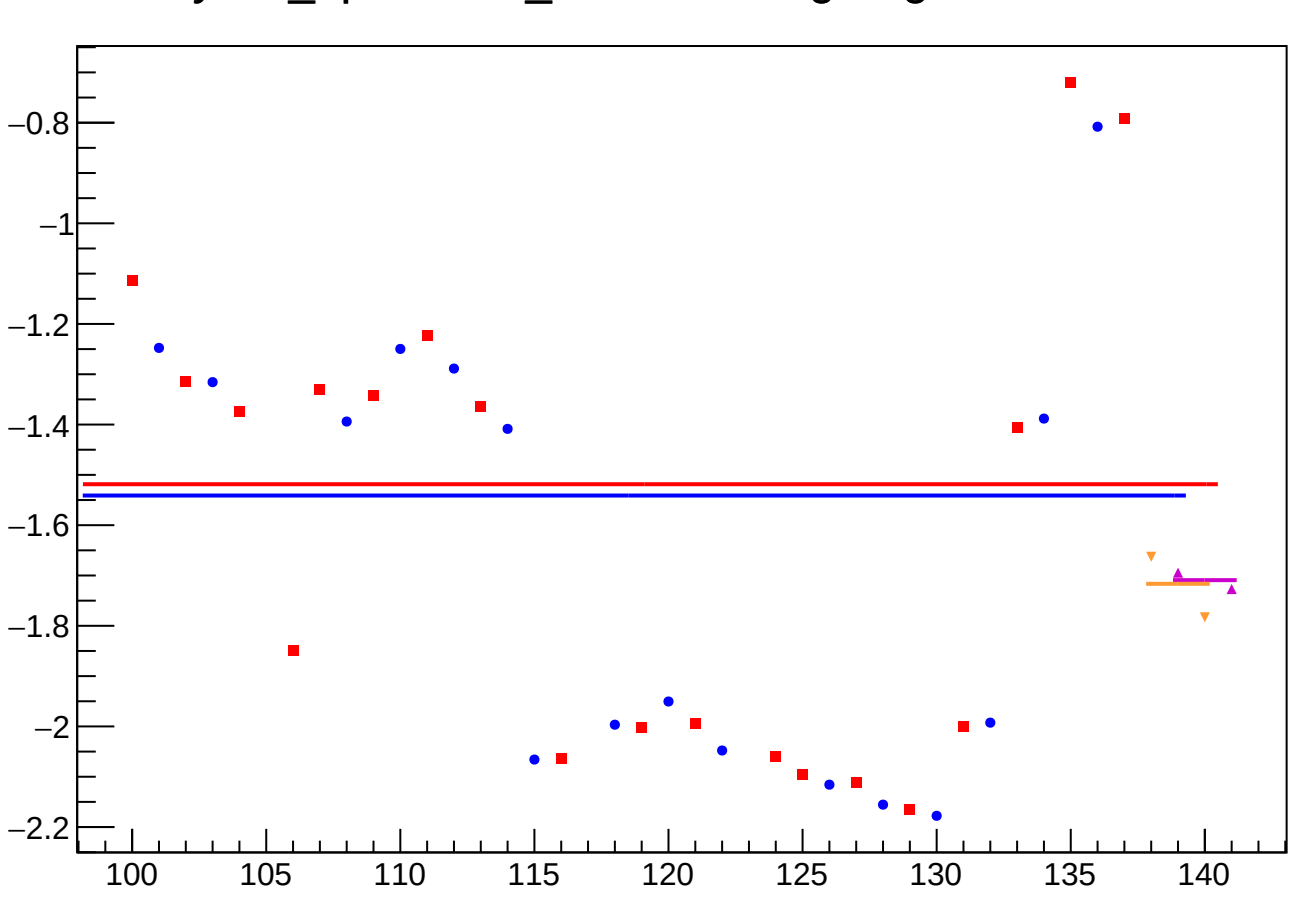
Left: 0.013+/-0.000 χ^2/NDF: 2693.3/3

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.011+/-0.000 χ^2/NDF:232212.5/17

Out: 0.011+/-0.000 χ^2/NDF:160739.7/20

All: 0.011+/-0.000 χ^2/NDF: 393950.5/38



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.717+/-0.000 χ^2/NDF:698729764.1/1

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -1.709+/-0.000 χ^2/NDF:50014259.1/1

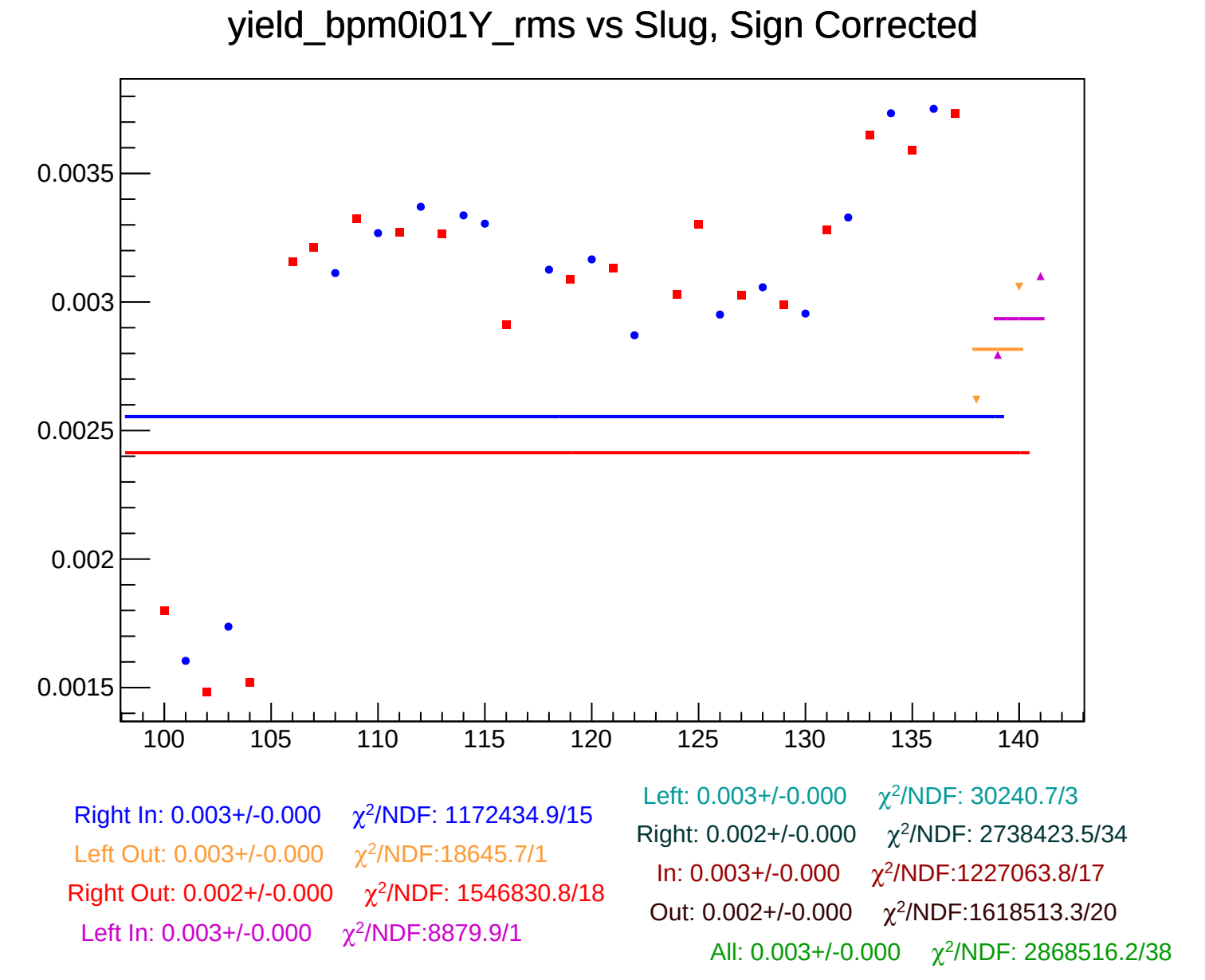
Left: -1.713+/-0.000 χ^2/NDF: 753821228.5/3

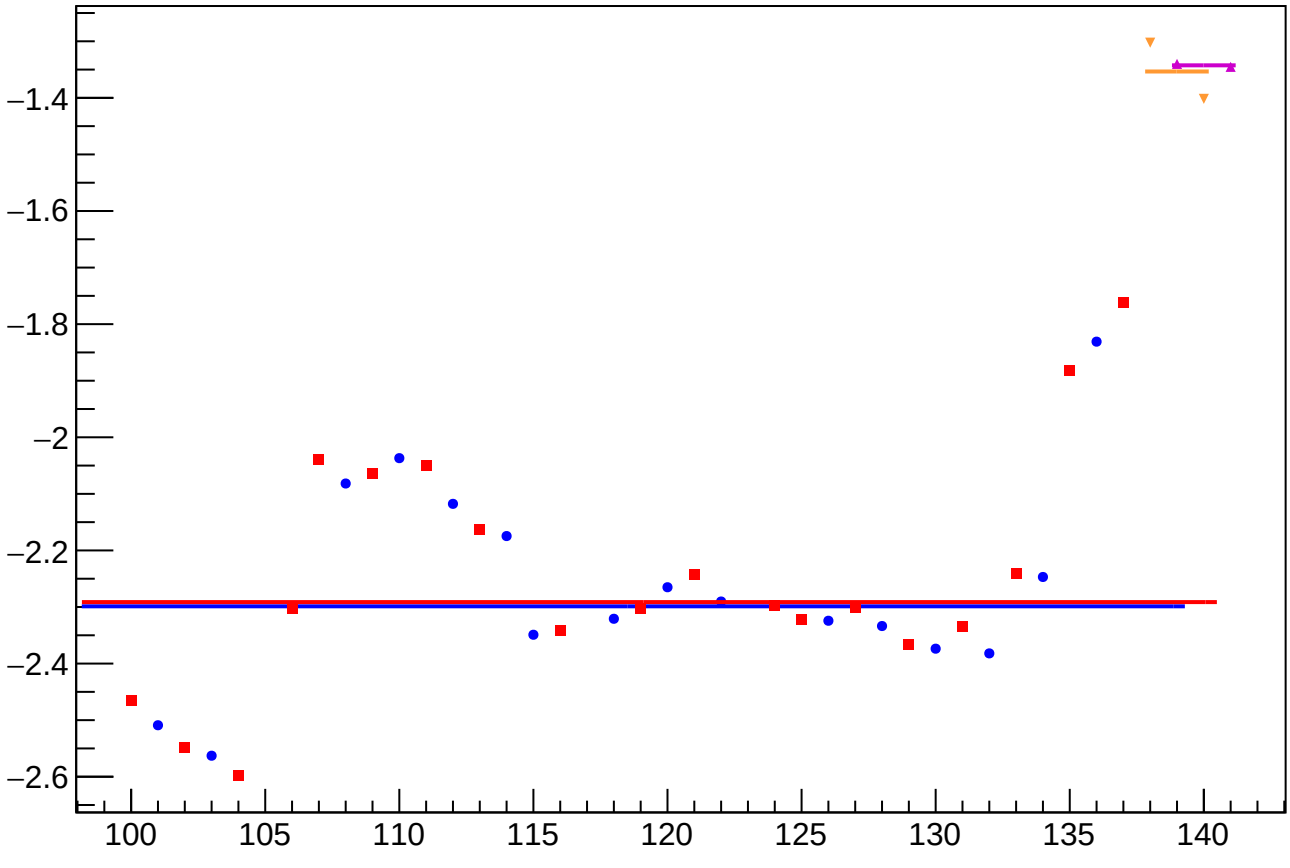
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -1.570+/-0.000 χ^2/NDF:166927159219.0/17

Out: -1.550+/-0.000 χ^2/NDF:152193655829.2/20

All: -1.560+/-0.000 χ^2/NDF: 319335554553.3


yield_bpm0i01Y_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
100
105
110
115
120
125
130
135
140
Right In: 0.003+/-0.000 χ²/NDF: 1172434.9/15
Left Out: 0.003+/-0.000 χ²/NDF:18645.7/1
Right Out: 0.002+/-0.000 χ²/NDF: 1546830.8/18
Left In: 0.003+/-0.000 χ²/NDF:8879.9/1
Left: 0.003+/-0.000 χ²/NDF: 30240.7/3
Right: 0.002+/-0.000 χ²/NDF: 2738423.5/34
In: 0.003+/-0.000 χ²/NDF:1227063.8/17
Out: 0.002+/-0.000 χ²/NDF:1618513.3/20
All: 0.003+/-0.000 χ²/NDF: 2868516.2/38



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.353+/-0.000 χ^2/NDF:50599350.4/1

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.342+/-0.000 χ^2/NDF:145810.5/1

Left: -1.348+/-0.000 χ^2/NDF: 51983944.1/3

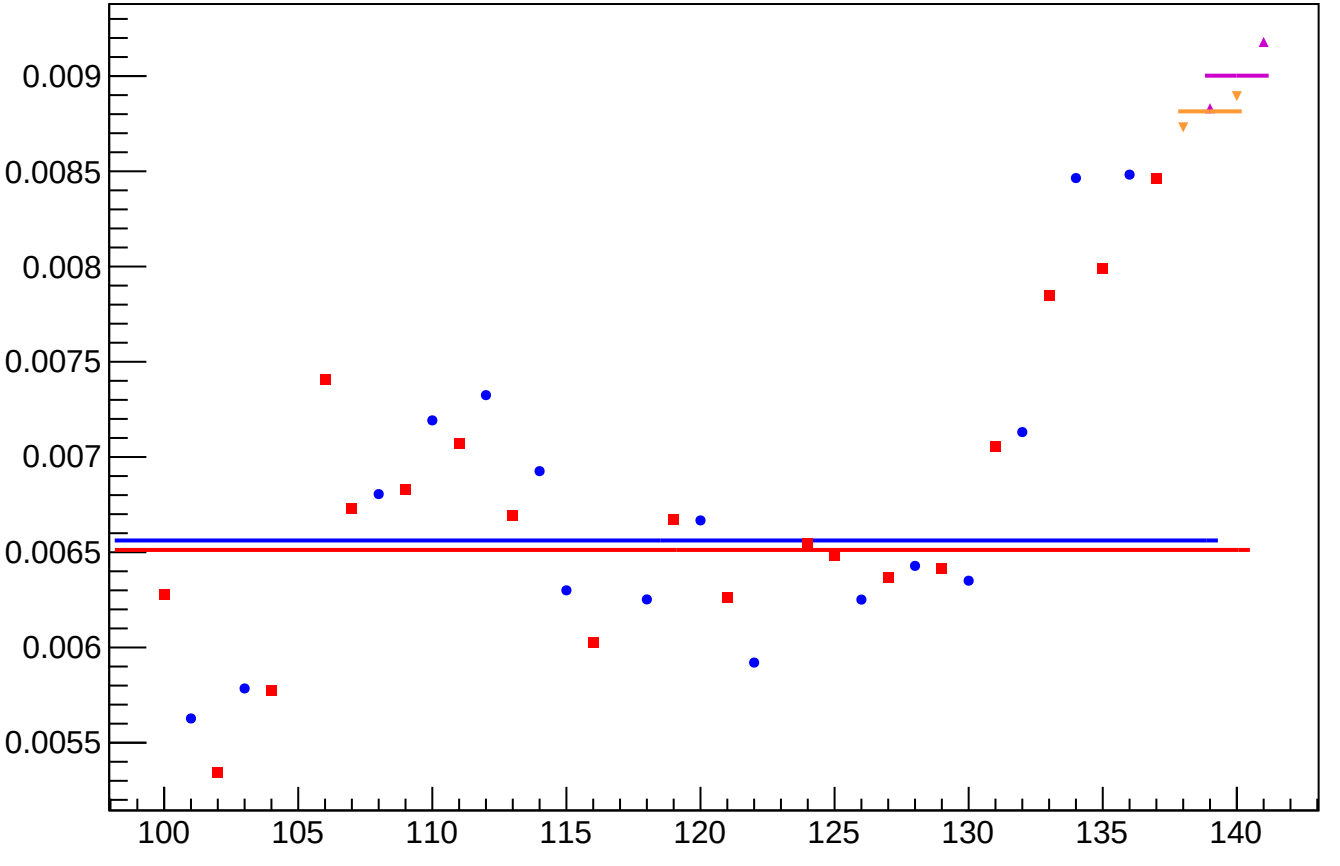
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -2.188+/-0.000 χ^2/NDF:23202381629.8/17

Out: -2.189+/-0.000 χ^2/NDF:22977433531.9/20

All: -2.188+/-0.000 χ^2/NDF: 46179929330.2/

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:275.2/1

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:1279.9/1

Left: 0.009+/-0.000 χ^2/NDF: 2286.6/3

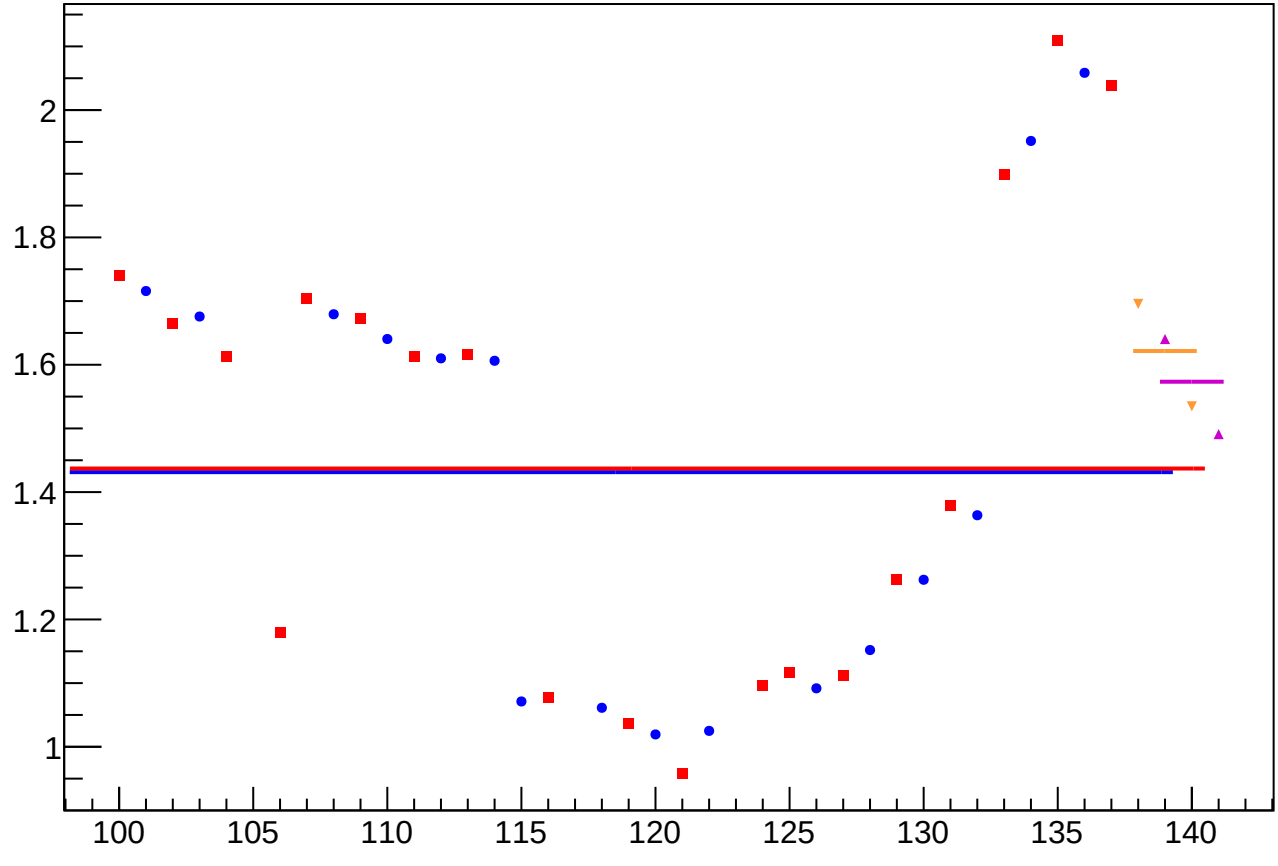
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.007+/-0.000 χ^2/NDF:445525.5/17

Out: 0.007+/-0.000 χ^2/NDF:379259.6/20

All: 0.007+/-0.000 χ^2/NDF: 826014.2/38

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.622+/-0.000 χ^2/NDF:479472432.4/1

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.573+/-0.000 χ^2/NDF:416294982.4/1

Left: 1.597+/-0.000 χ^2/NDF: 982989464.4/3

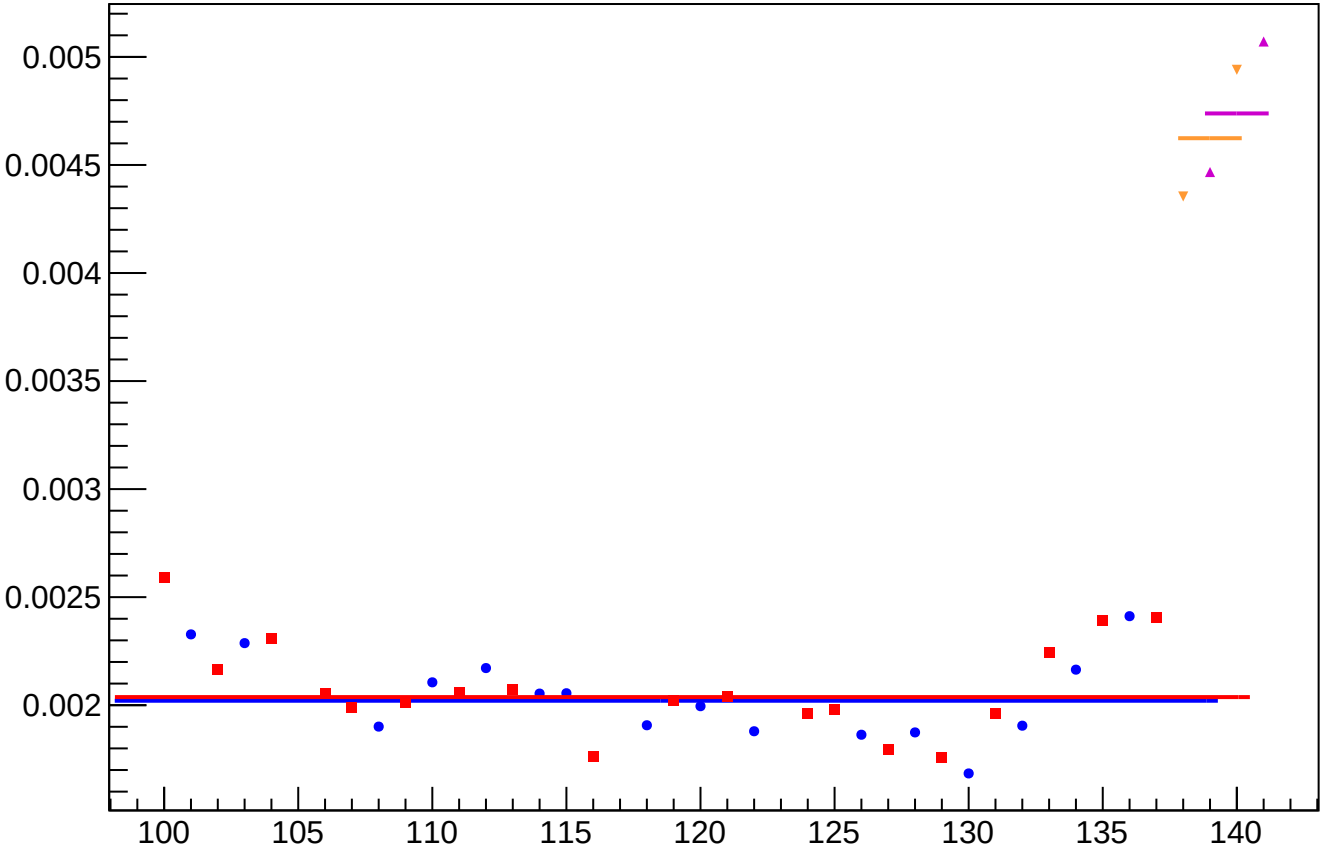
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.438+/-0.000 χ^2/NDF:191050847783.3/17

Out: 1.445+/-0.000 χ^2/NDF:184927637338.8/20

All: 1.441+/-0.000 χ^2/NDF: 376025694716.5

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:12726.9/1

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:13615.4/1

Left: 0.005+/-0.000 χ^2/NDF: 27327.3/3

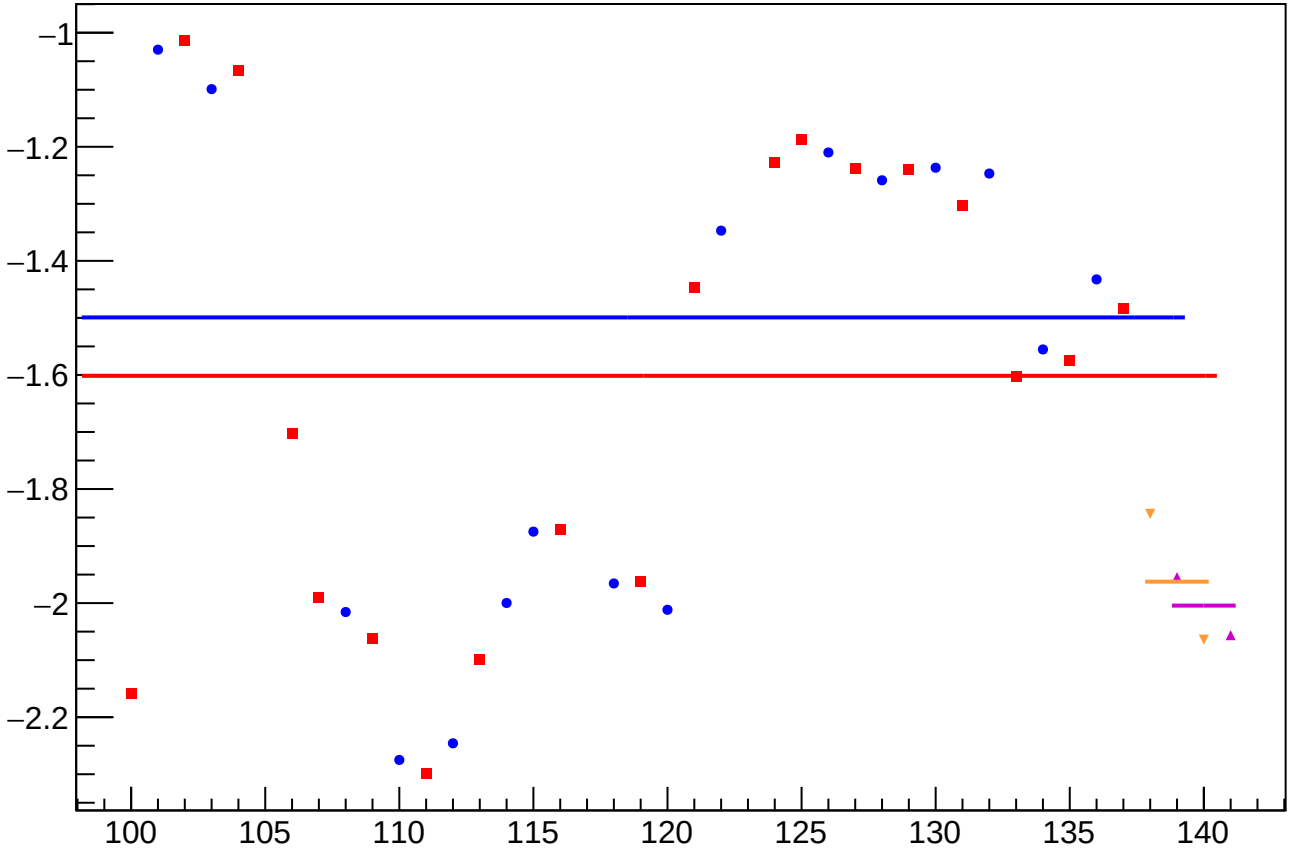
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:1233499.1/17

Out: 0.002+/-0.000 χ^2/NDF:1080292.7/20

All: 0.002+/-0.000 χ^2/NDF: 2313942.3/38

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.962+/-0.000 χ^2/NDF:631145551.4/1

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -2.004+/-0.000 χ^2/NDF:146416551.4/1

Left: -1.984+/-0.000 χ^2/NDF: 825402557.1/3

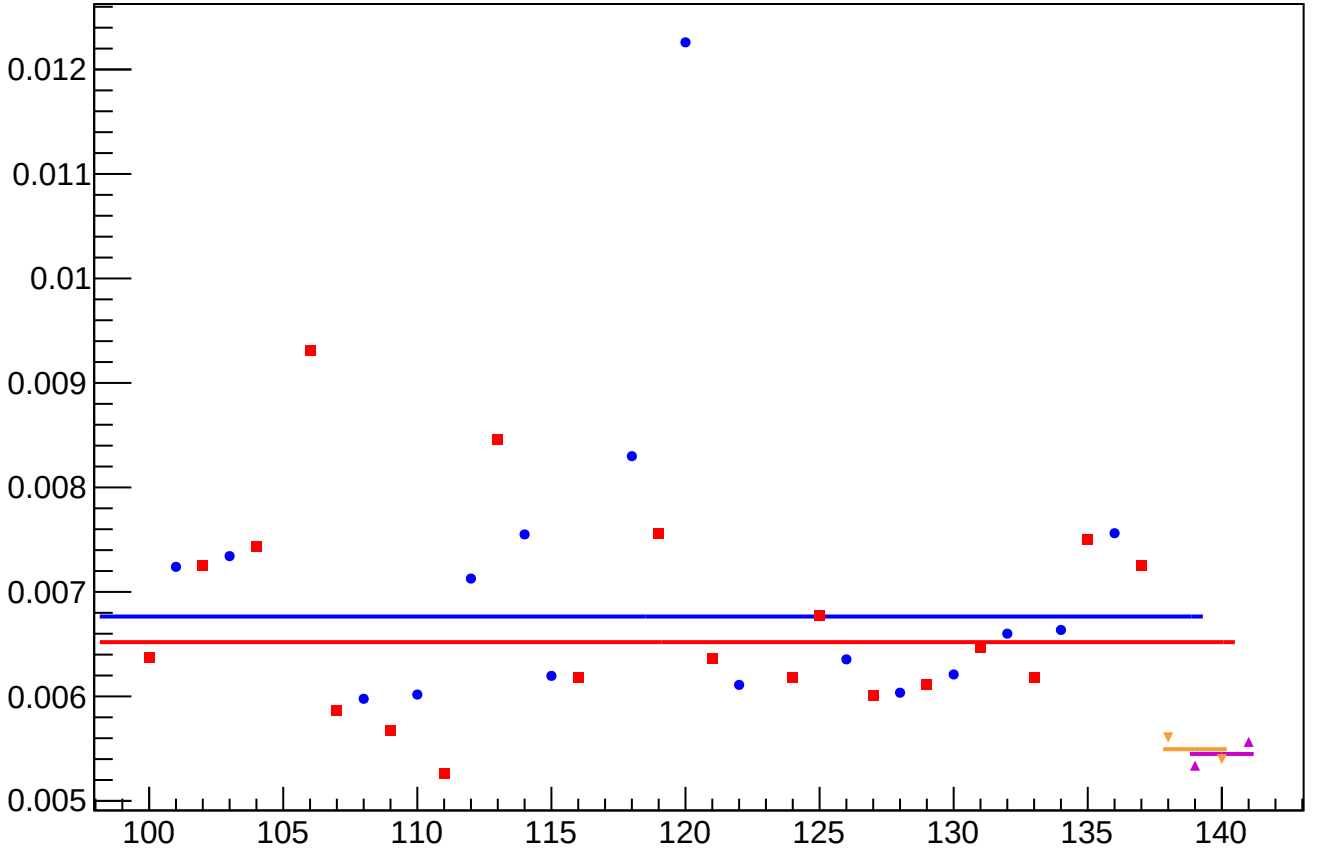
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.643+/-0.000 χ^2/NDF:33401954420.1/17

Out: -1.689+/-0.000 χ^2/NDF:34105742307.0/20

All: -1.667+/-0.000 χ^2/NDF: 67726374068.2/

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1120.5/1

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.005+/-0.000 χ^2/NDF:1462.6/1

Left: 0.005+/-0.000 χ^2/NDF: 2698.0/3

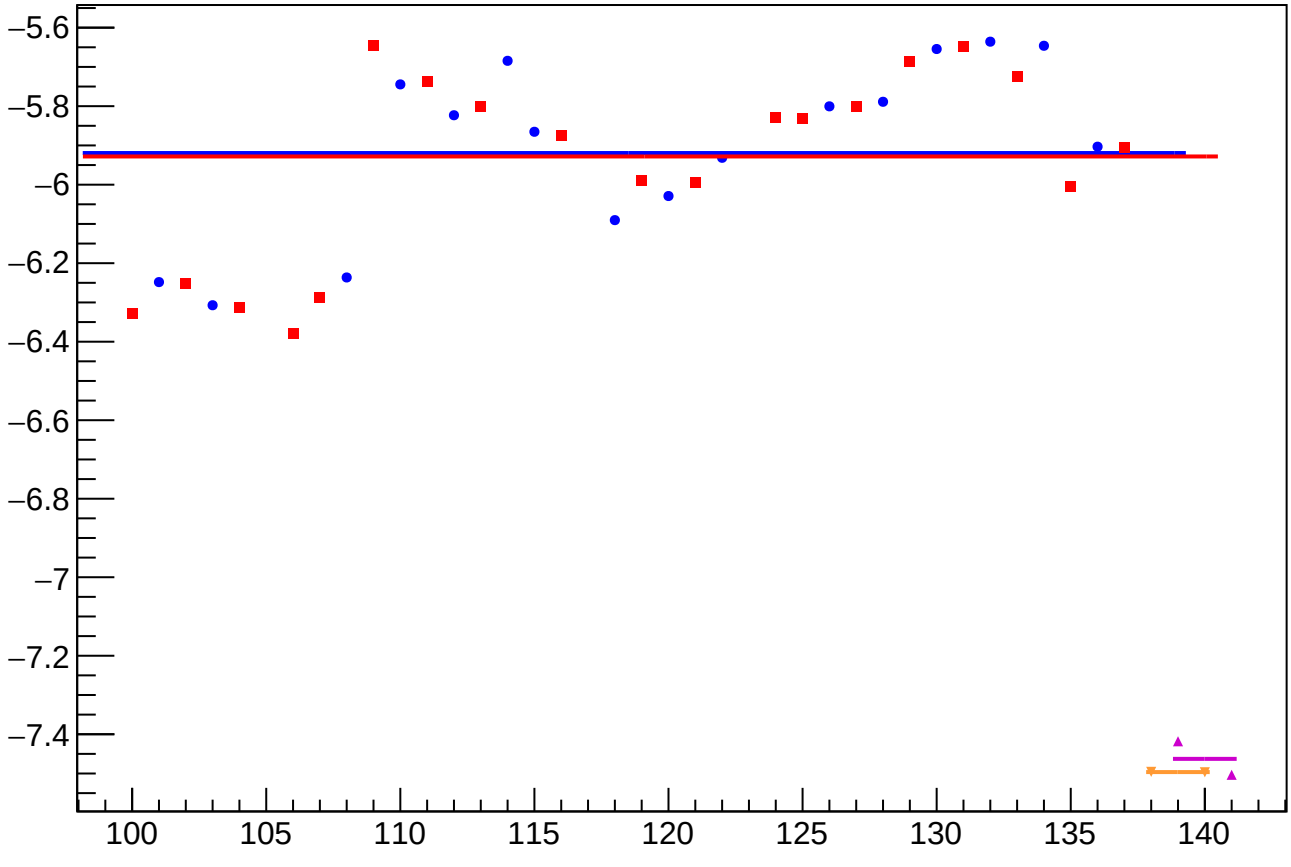
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.006+/-0.000 χ^2/NDF:380003.4/17

Out: 0.006+/-0.000 χ^2/NDF:329462.4/20

All: 0.006+/-0.000 χ^2/NDF: 712401.8/38

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.496+/-0.000 χ^2/NDF:4123.3/1

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.463+/-0.000 χ^2/NDF:25648567.3/1

Left: -7.479+/-0.000 χ^2/NDF: 33562057.1/3

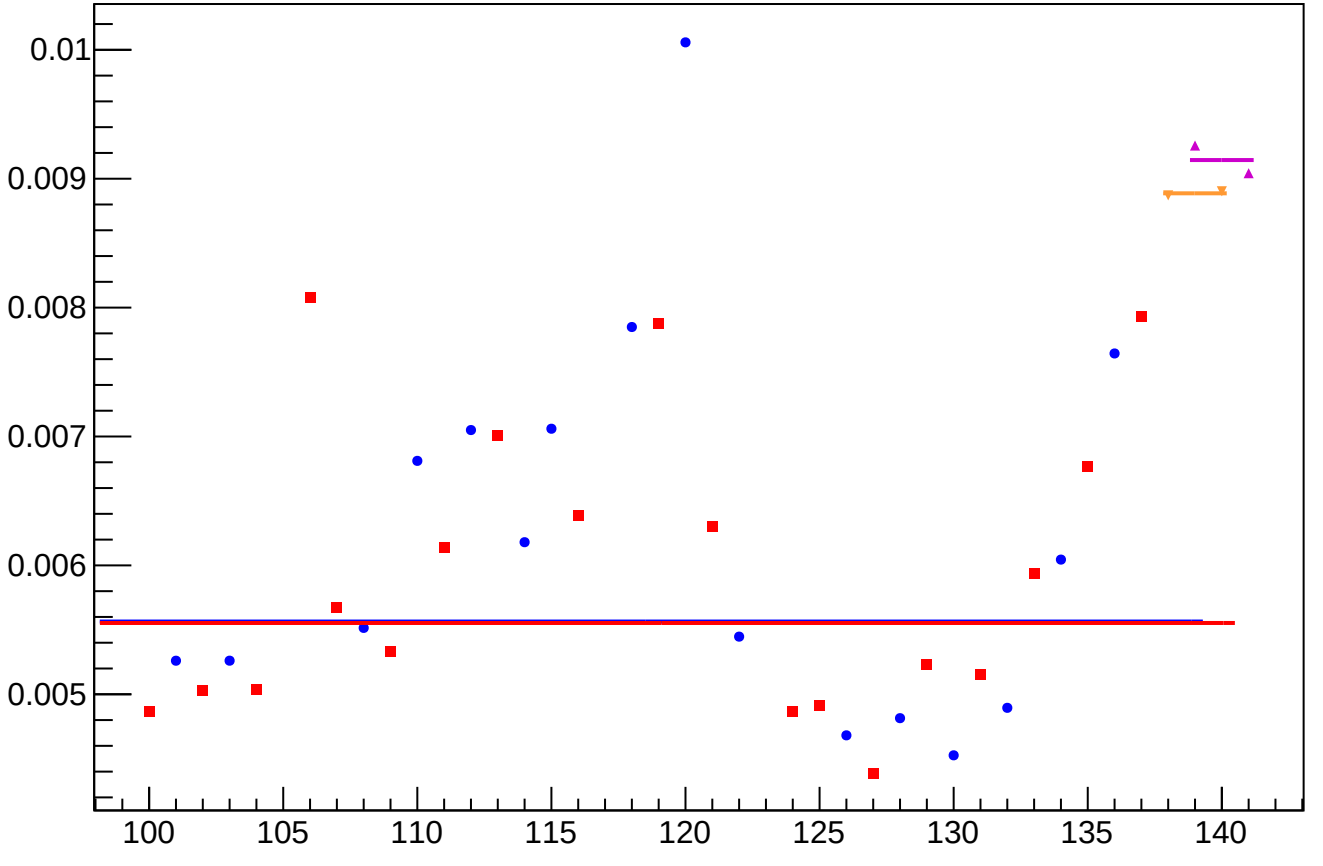
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.022+/-0.000 χ^2/NDF:43129176775.5/17

Out: -6.025+/-0.000 χ^2/NDF:44558735265.8/20

All: -6.023+/-0.000 χ^2/NDF: 87688755190.9/

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:6.9/1

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:324.0/1

Left: 0.009+/-0.000 χ^2/NDF: 1261.4/3

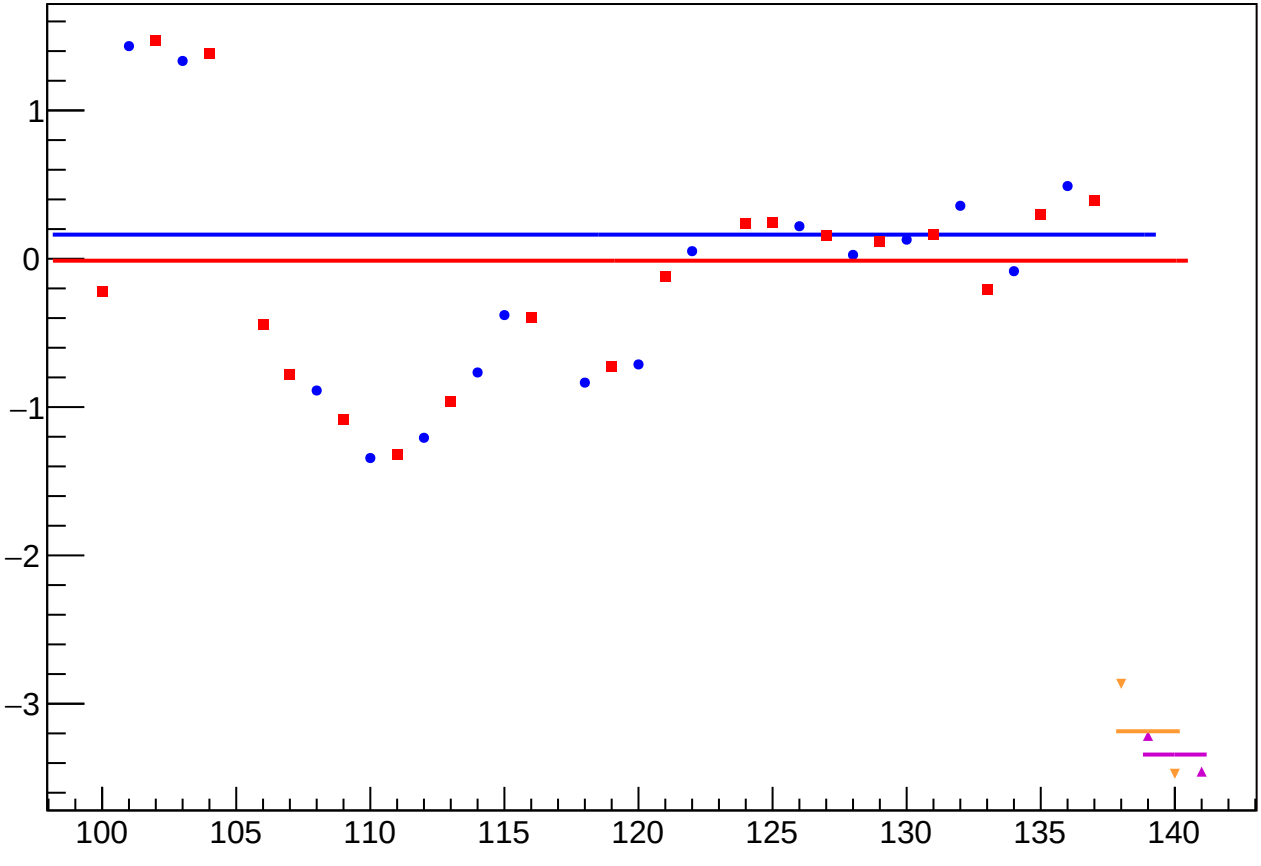
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:833461.2/17

Out: 0.006+/-0.000 χ^2/NDF:652963.6/20

All: 0.006+/-0.000 χ^2/NDF: 1486841.3/38

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.186+/-0.000 χ^2/NDF:437607355.3/1

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.343+/-0.000 χ^2/NDF:72964449.6/1

Left: -3.266+/-0.000 χ^2/NDF: 570989916.7/3

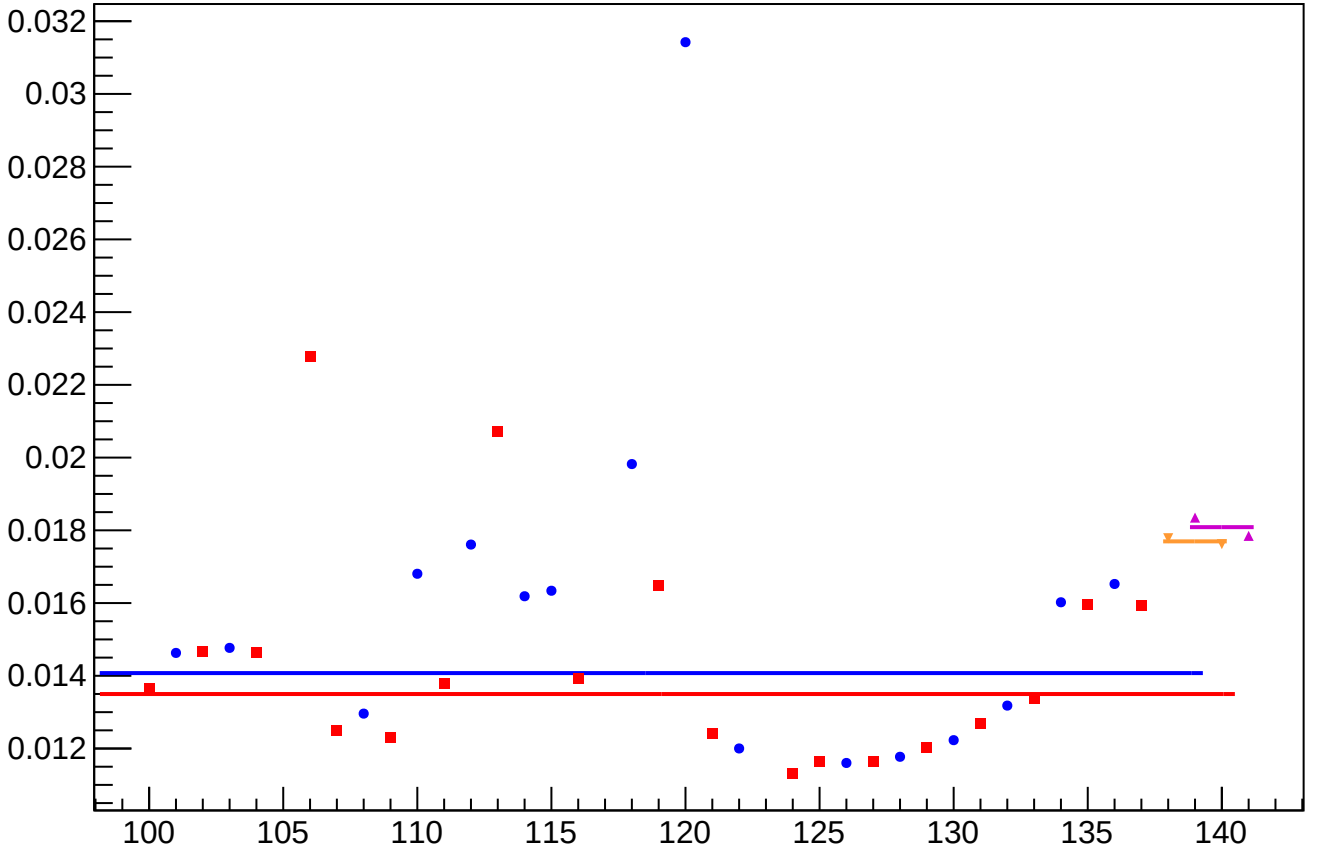
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -0.316+/-0.000 χ^2/NDF:71380543926.0/17

Out: -0.374+/-0.000 χ^2/NDF:65501231631.5/20

All: -0.347+/-0.000 χ^2/NDF: 136948702322.9

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:63.1/1

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:634.0/1

Left: 0.018+/-0.000 χ^2/NDF: 1446.9/3

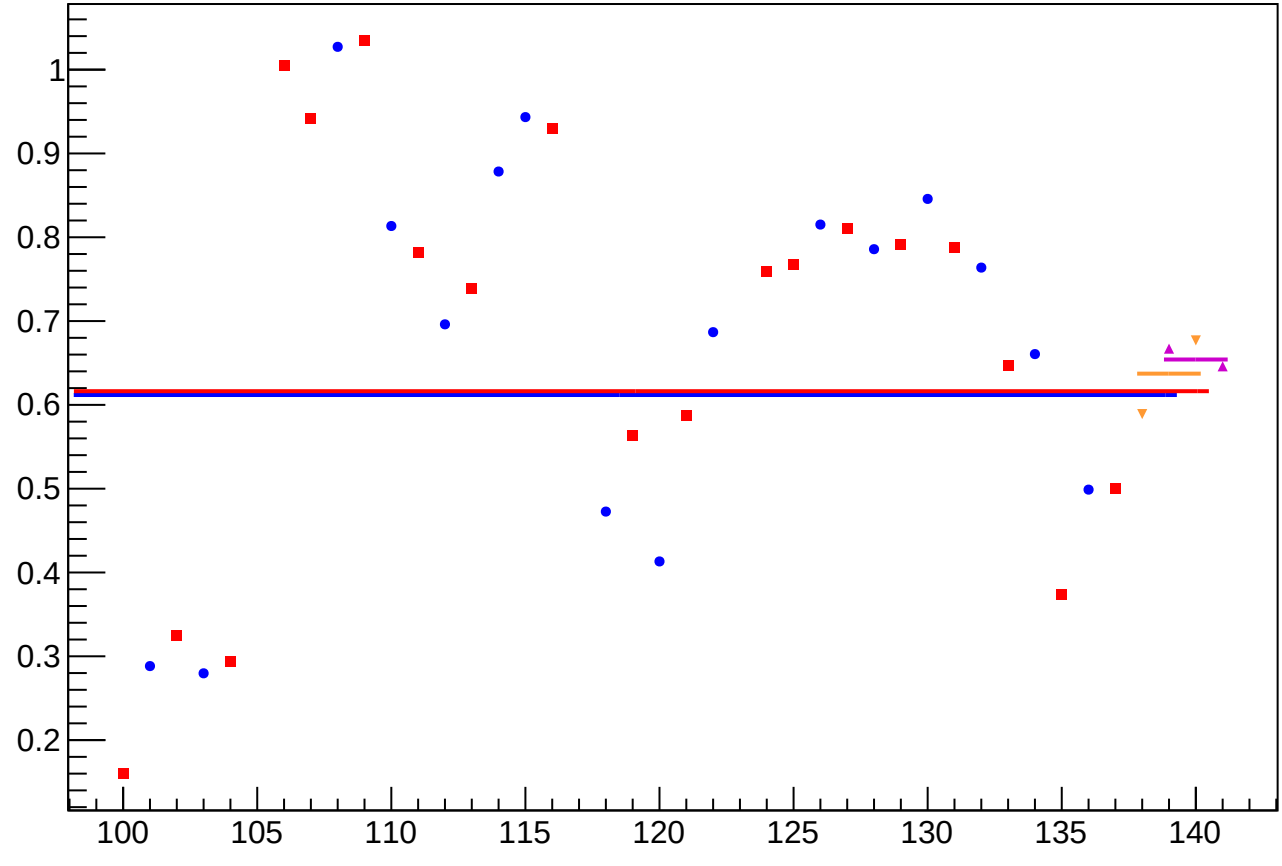
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.015+/-0.000 χ^2/NDF:605963.8/17

Out: 0.014+/-0.000 χ^2/NDF:463960.3/20

All: 0.014+/-0.000 χ^2/NDF: 1086286.3/38

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.637+/-0.000 χ^2/NDF:41479817.3/1

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.654+/-0.000 χ^2/NDF:2335156.2/1

Left: 0.646+/-0.000 χ^2/NDF: 46933548.7/3

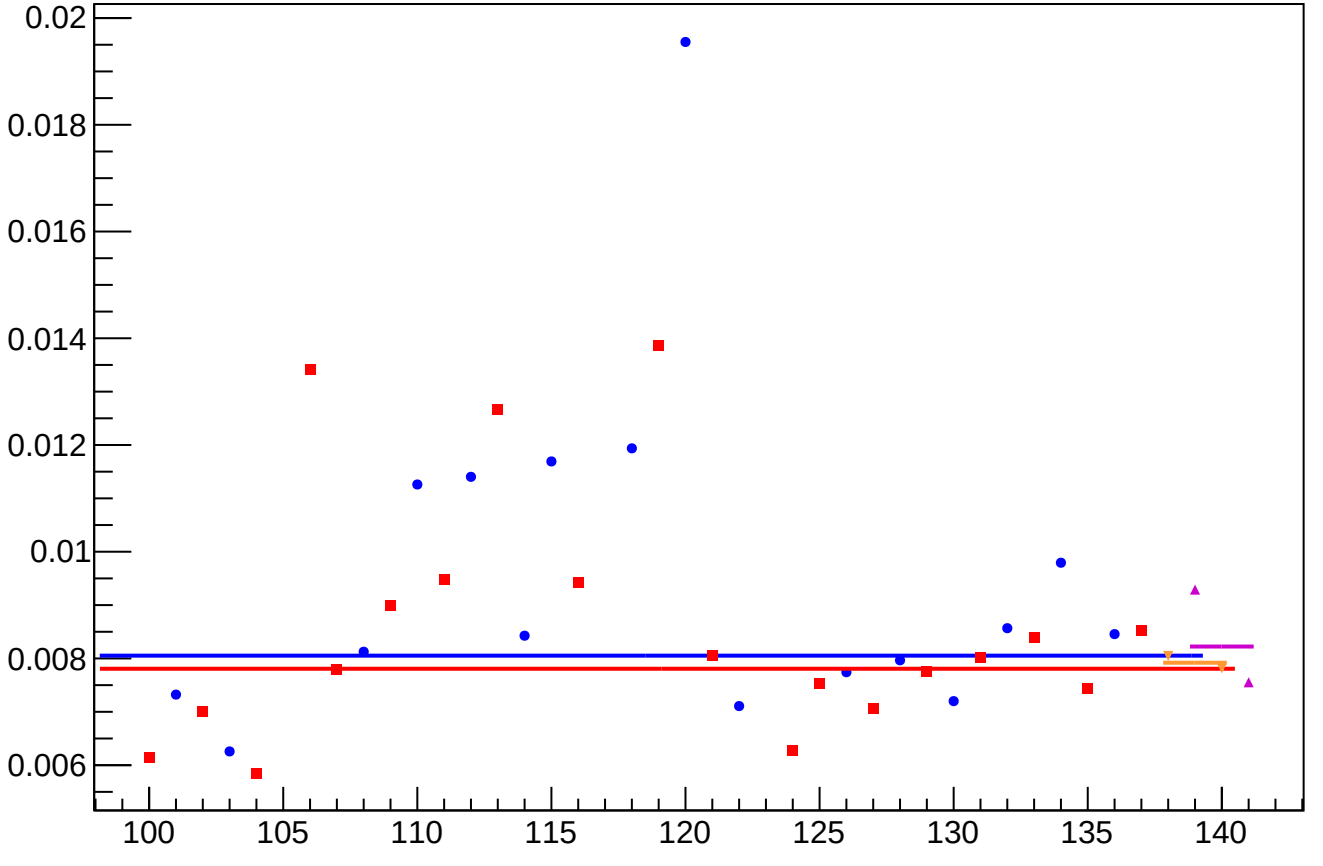
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.620+/-0.000 χ^2/NDF:5673543427.1/17

Out: 0.620+/-0.000 χ^2/NDF:6468865209.0/20

All: 0.620+/-0.000 χ^2/NDF: 12142409210.2/3

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:571.9/1

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:31625.3/1

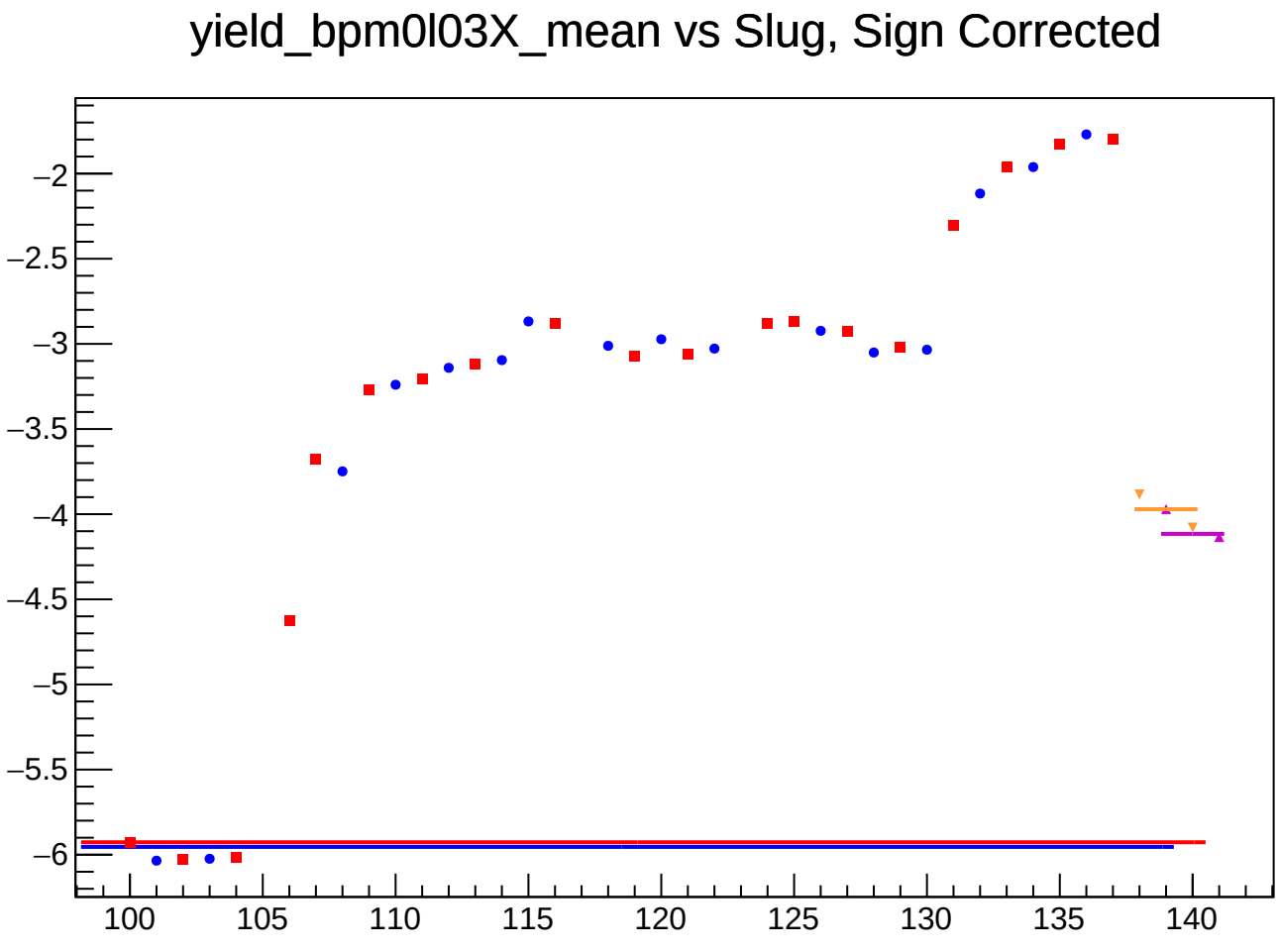
Left: 0.008+/-0.000 χ^2/NDF: 34215.8/3

Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

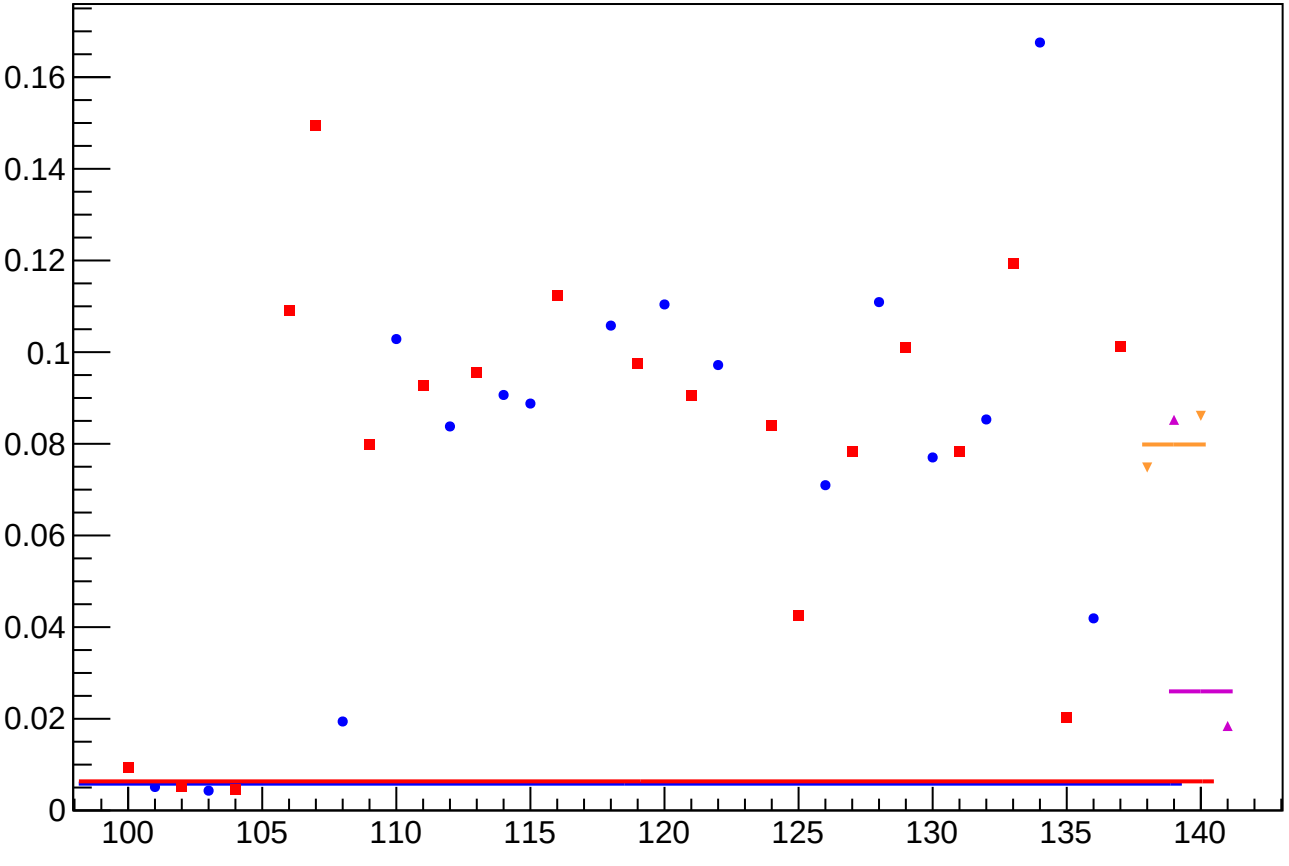
In: 0.008+/-0.000 χ^2/NDF:630980.9/17

Out: 0.008+/-0.000 χ^2/NDF:588186.1/20

All: 0.008+/-0.000 χ^2/NDF: 1227301.5/38


yield_bpm0l03X_mean vs Slug, Sign Corrected
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
−6
100
105
110
115
120
125
130
135
140
Right In: -5.954+/-0.000 χ²/NDF: 13099475661.5/15
Left Out: -3.971+/-0.000 χ²/NDF:2018452.1/1
Right Out: -5.927+/-0.000 χ²/NDF: 13922819741.5/18
Left In: -4.116+/-0.000 χ²/NDF:2078769.5/1
Left: -4.084+/-0.000 χ²/NDF: 7631539.6/3
Right: -5.942+/-0.000 χ²/NDF: 27039435928.9/34
In: -5.927+/-0.000 χ²/NDF:15658653315.0/17
Out: -5.917+/-0.000 χ²/NDF:14745722890.1/20
All: -5.923+/-0.000 χ²/NDF: 30406773164.6/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.080+/-0.000 χ^2/NDF:13538.3/1

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.026+/-0.000 χ^2/NDF:687197.3/1

Left: 0.038+/-0.000 χ^2/NDF: 1678057.6/3

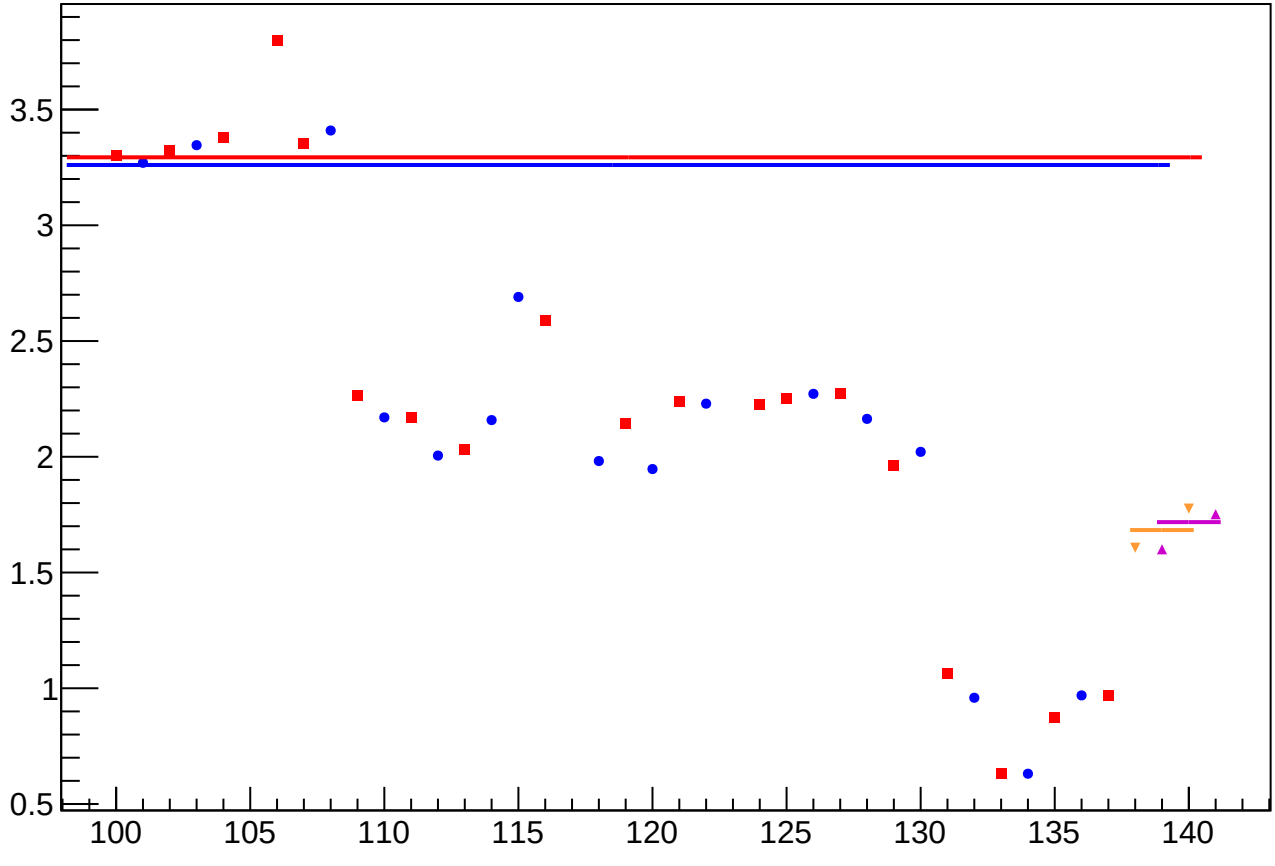
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.006+/-0.000 χ^2/NDF:10001361.1/17

Out: 0.007+/-0.000 χ^2/NDF:11084084.5/20

All: 0.006+/-0.000 χ^2/NDF: 21101100.7/38

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.683+/-0.000 χ^2/NDF:1244917.4/1

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.718+/-0.000 χ^2/NDF:1299400.3/1

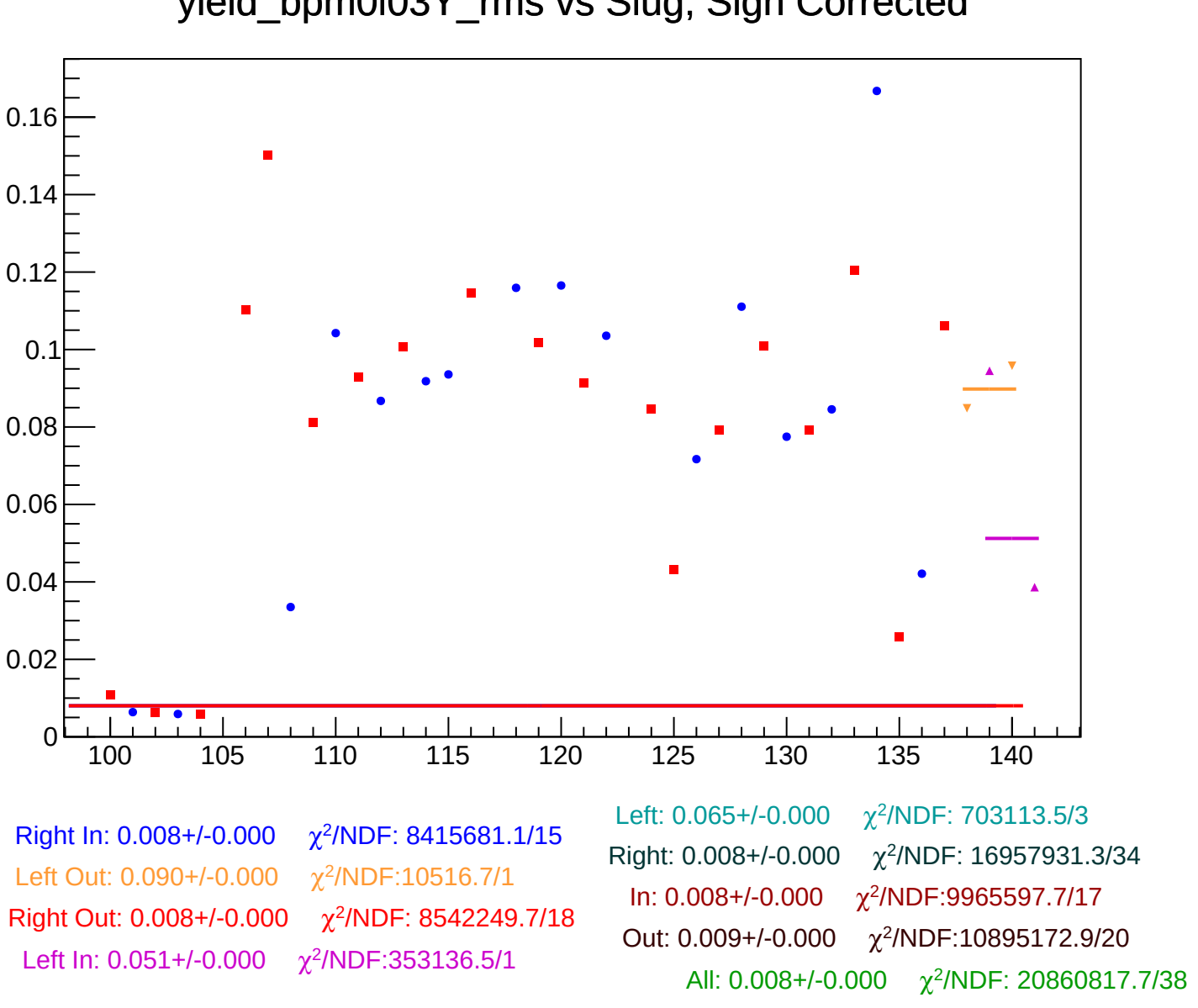
Left: 1.706+/-0.000 χ^2/NDF: 2678423.8/3

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

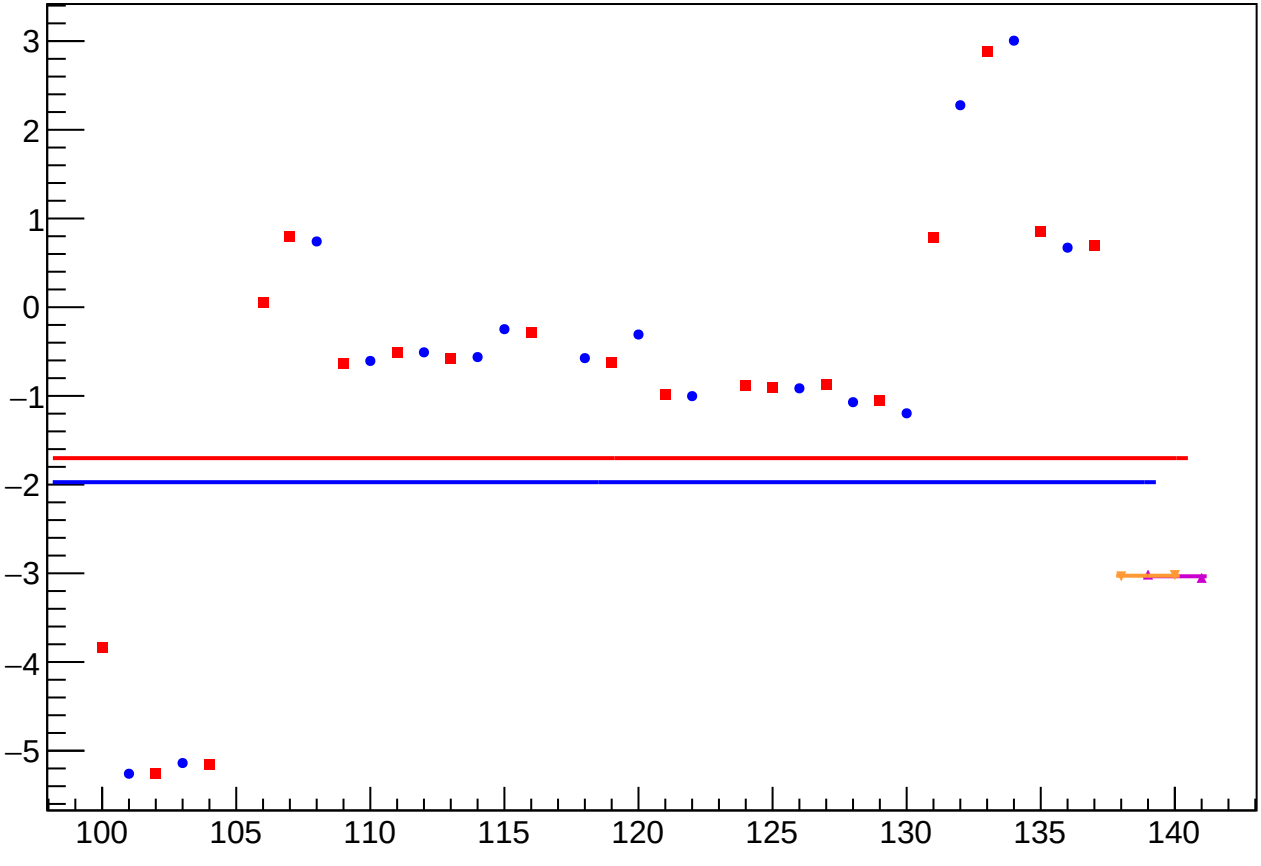
In: 3.245+/-0.000 χ^2/NDF:3773827348.5/17

Out: 3.284+/-0.000 χ^2/NDF:3699070148.3/20

All: 3.264+/-0.000 χ^2/NDF: 7496546493.2/38


yield_bpm0l03Y_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
140
Right In: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.090+/-0.000 χ²/NDF:10516.7/1
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.051+/-0.000 χ²/NDF:353136.5/1
Left: 0.065+/-0.000 χ²/NDF: 703113.5/3
Right: 0.008+/-0.000 χ²/NDF: 16957931.3/34
In: 0.008+/-0.000 χ²/NDF:9965597.7/17
Out: 0.009+/-0.000 χ²/NDF:10895172.9/20
All: 0.008+/-0.000 χ²/NDF: 20860817.7/38

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.027+/-0.000 χ^2/NDF:1368957.5/1

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -3.033+/-0.000 χ^2/NDF:9634122.4/1

Left: -3.030+/-0.000 χ^2/NDF: 11555217.9/3

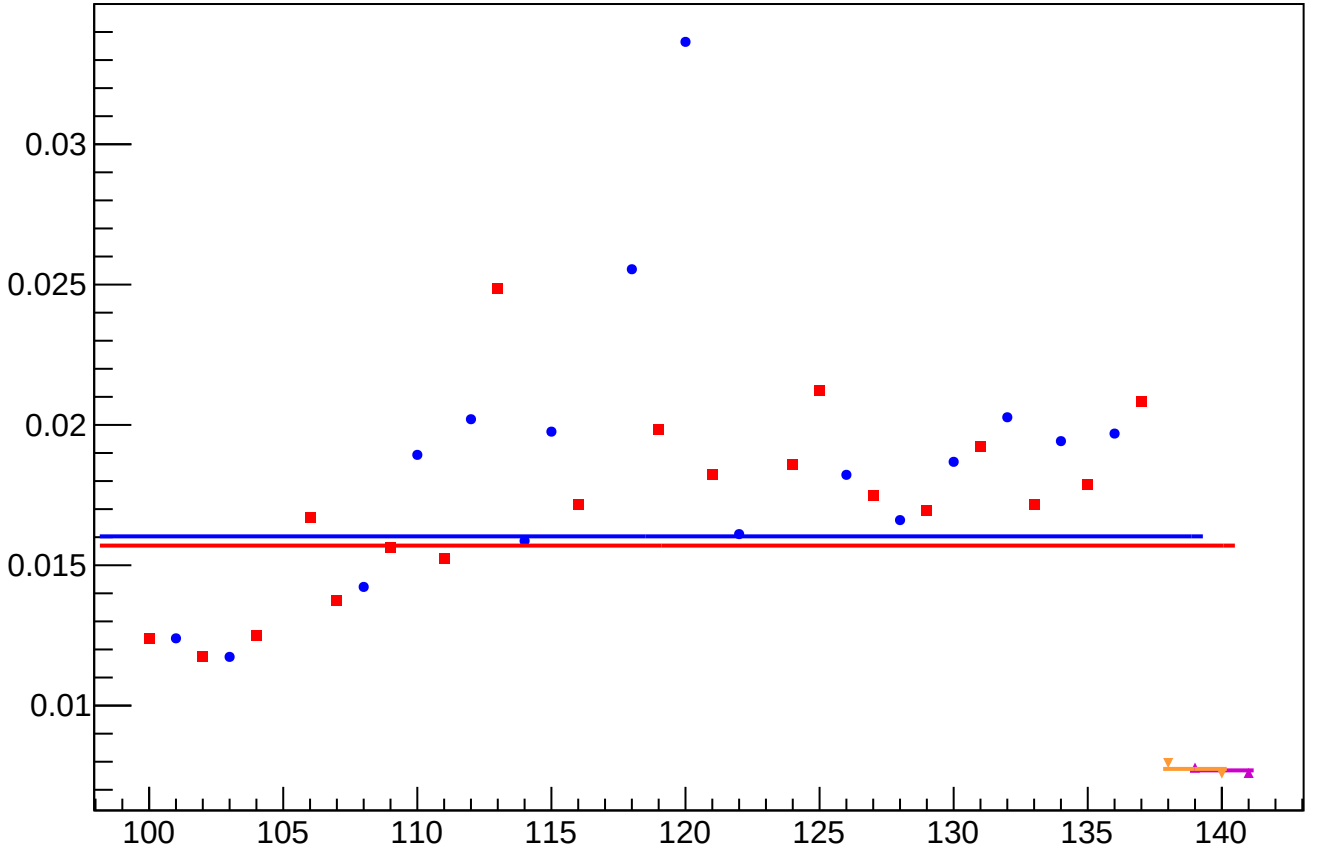
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.564+/-0.000 χ^2/NDF:176197226808.3/17

Out: -2.366+/-0.000 χ^2/NDF:190903924090.4/20

All: -2.465+/-0.000 χ^2/NDF: 368112724401.1

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:1826.4/1

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:513.9/1

Left: 0.008+/-0.000 χ^2/NDF: 2417.0/3

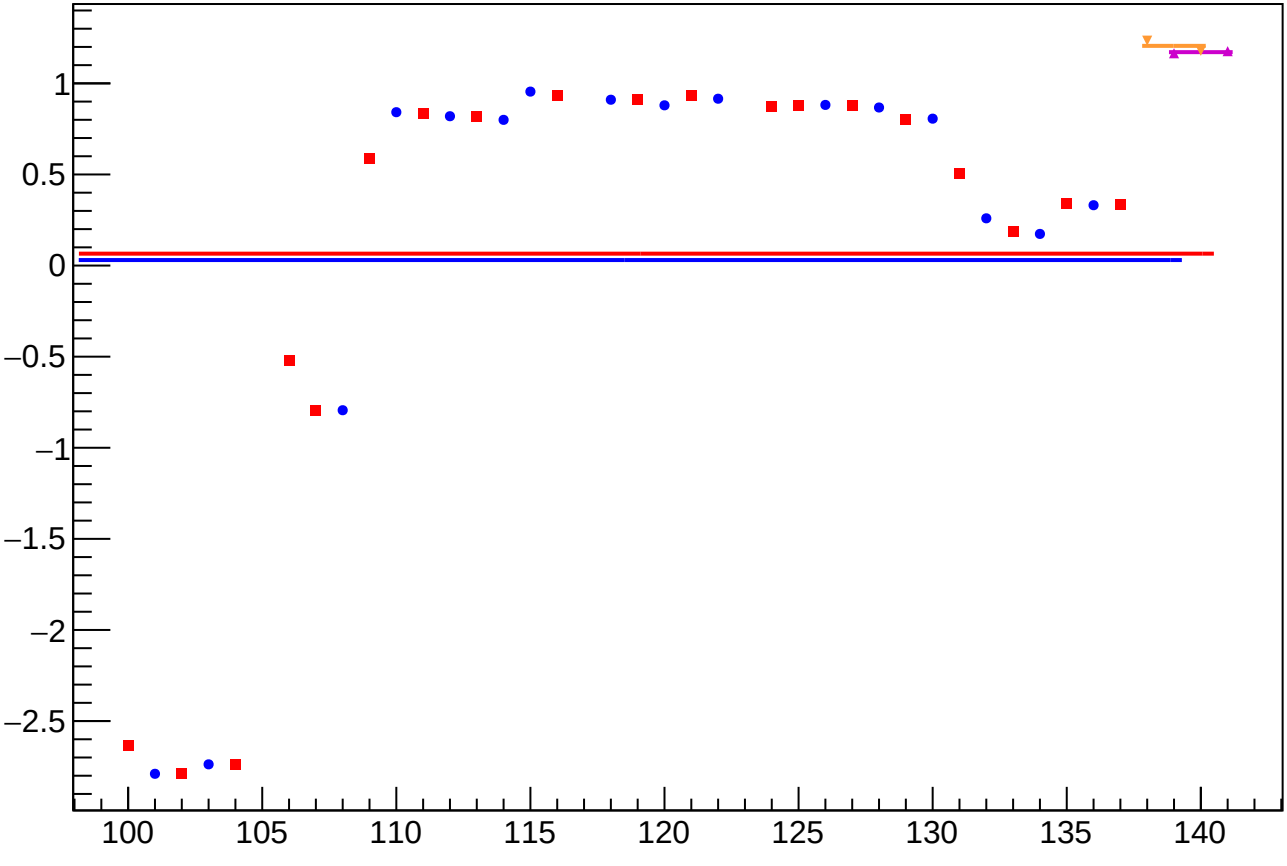
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.011+/-0.000 χ^2/NDF:2493035.1/17

Out: 0.012+/-0.000 χ^2/NDF:2145977.3/20

All: 0.012+/-0.000 χ^2/NDF: 4644713.9/38

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.206+/-0.000 χ^2/NDF:17558987.9/1

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 1.171+/-0.000 χ^2/NDF:763039.2/1

Left: 1.188+/-0.000 χ^2/NDF: 31885024.5/3

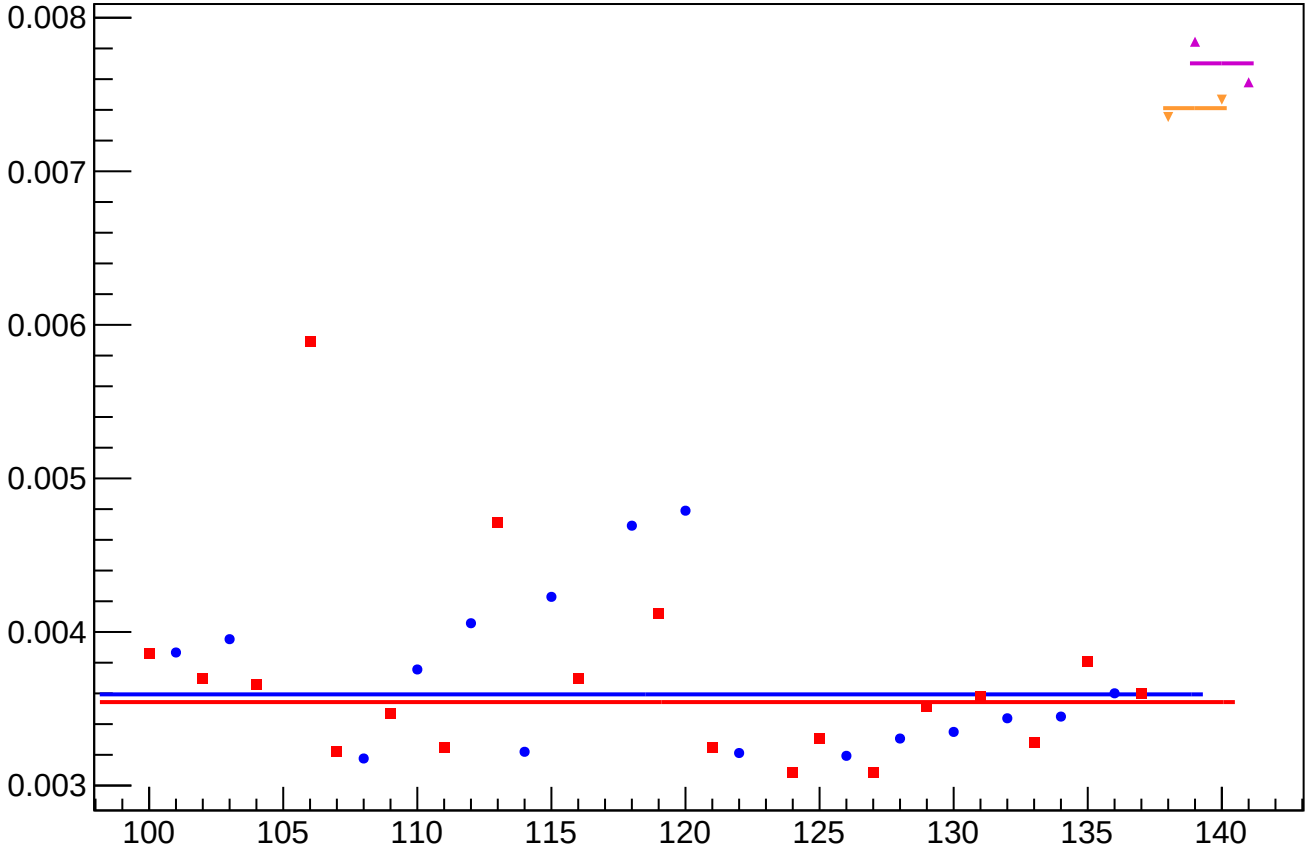
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.078+/-0.000 χ^2/NDF:880336374255.0/17

Out: 0.110+/-0.000 χ^2/NDF:963734614191.6/20

All: 0.095+/-0.000 χ^2/NDF: 1844343325687.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:144.2/1

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:797.9/1

Left: 0.008+/-0.000 χ^2/NDF: 2881.3/3

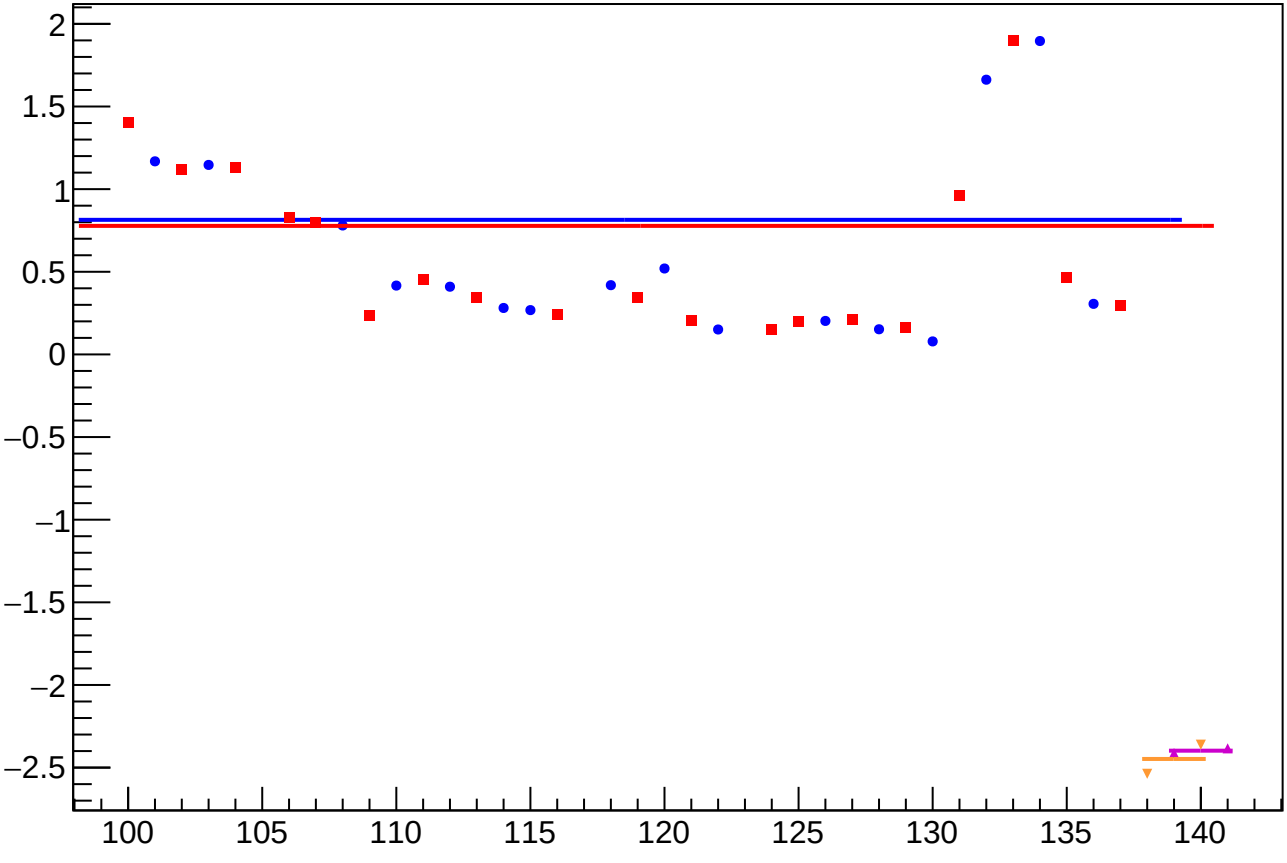
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:924482.4/17

Out: 0.004+/-0.000 χ^2/NDF:874366.4/20

All: 0.004+/-0.000 χ^2/NDF: 1801917.0/38

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -2.448+/-0.000 χ^2/NDF:193377084.0/1

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -2.398+/-0.000 χ^2/NDF:5363814.3/1

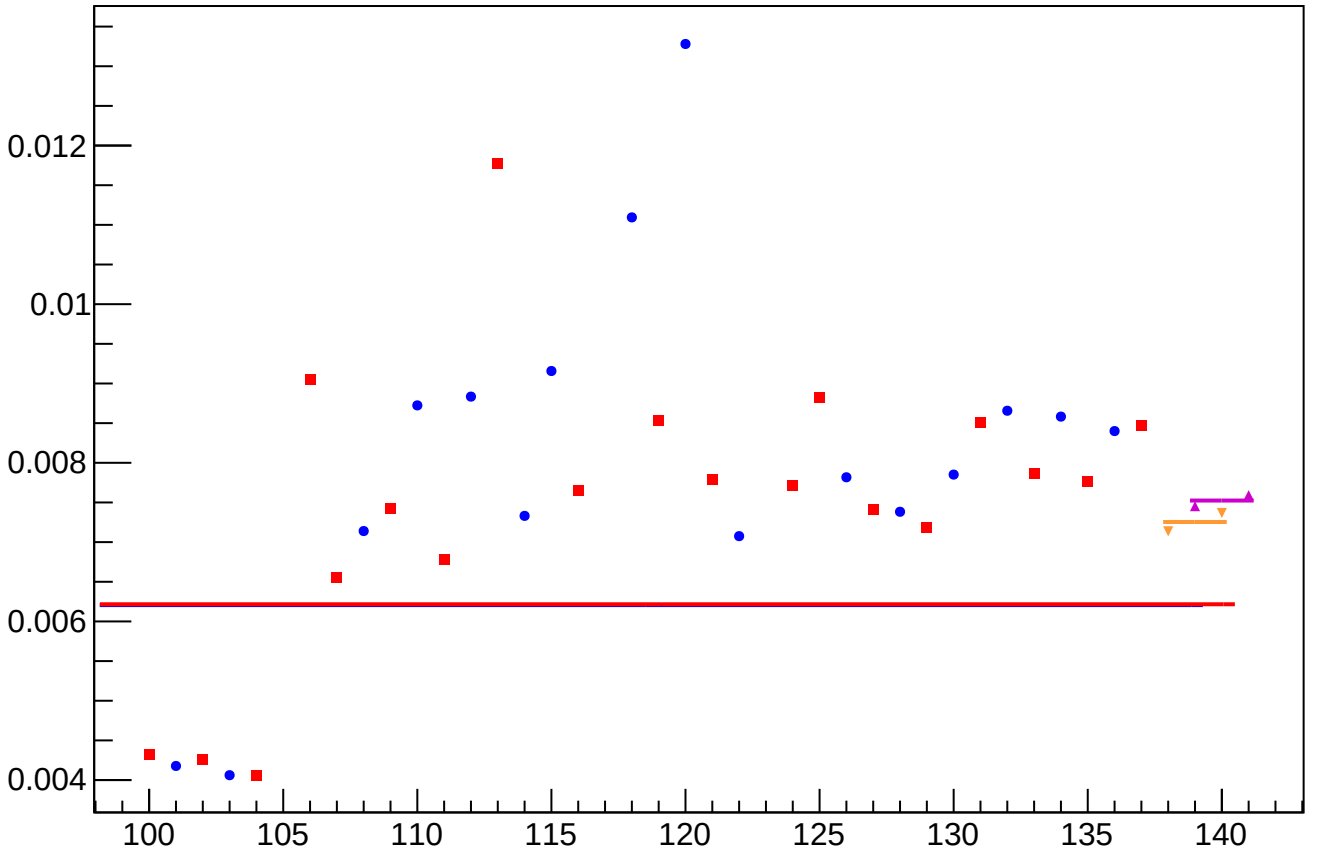
Left: -2.422+/-0.000 χ^2/NDF: 230474367.9/3

Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.329+/-0.000 χ^2/NDF:260197841123.2/17

Out: 0.332+/-0.000 χ^2/NDF:258200645982.9/20

All: 0.331+/-0.000 χ^2/NDF: 518399233147.0



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:666.0/1

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.008+/-0.000 χ^2/NDF:247.0/1

Left: 0.007+/-0.000 χ^2/NDF: 2760.7/3

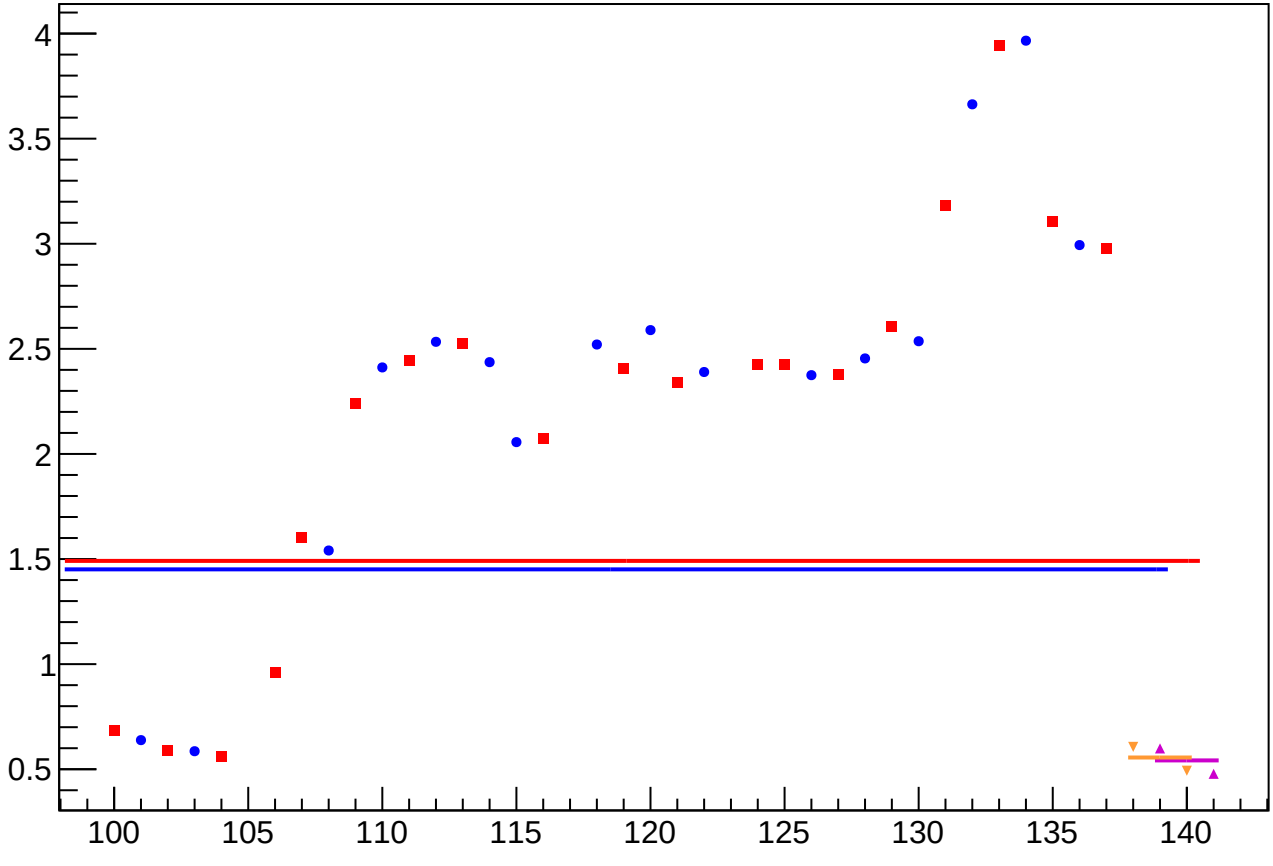
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1499851.1/17

Out: 0.006+/-0.000 χ^2/NDF:1208011.3/20

All: 0.006+/-0.000 χ^2/NDF: 2708222.8/38

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.556+/-0.000 χ^2/NDF:84018395.4/1

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 0.542+/-0.000 χ^2/NDF:100612102.4/1

Left: 0.549+/-0.000 χ^2/NDF: 187205504.3/3

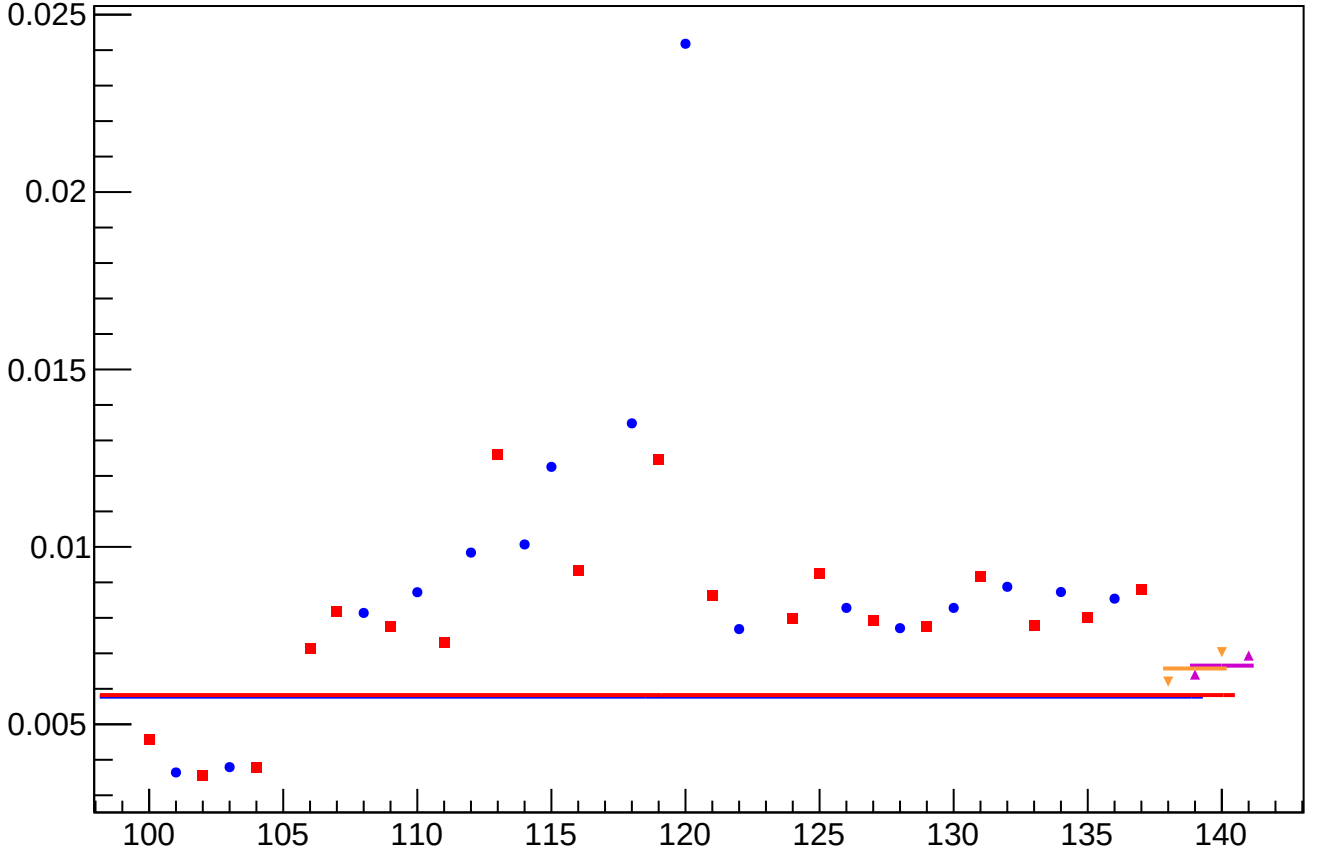
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.309+/-0.000 χ^2/NDF:189034959914.8/17

Out: 1.359+/-0.000 χ^2/NDF:206918428077.4/20

All: 1.335+/-0.000 χ^2/NDF: 396184116581.1

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:9015.9/1

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.007+/-0.000 χ^2/NDF:3952.3/1

Left: 0.007+/-0.000 χ^2/NDF: 13144.7/3

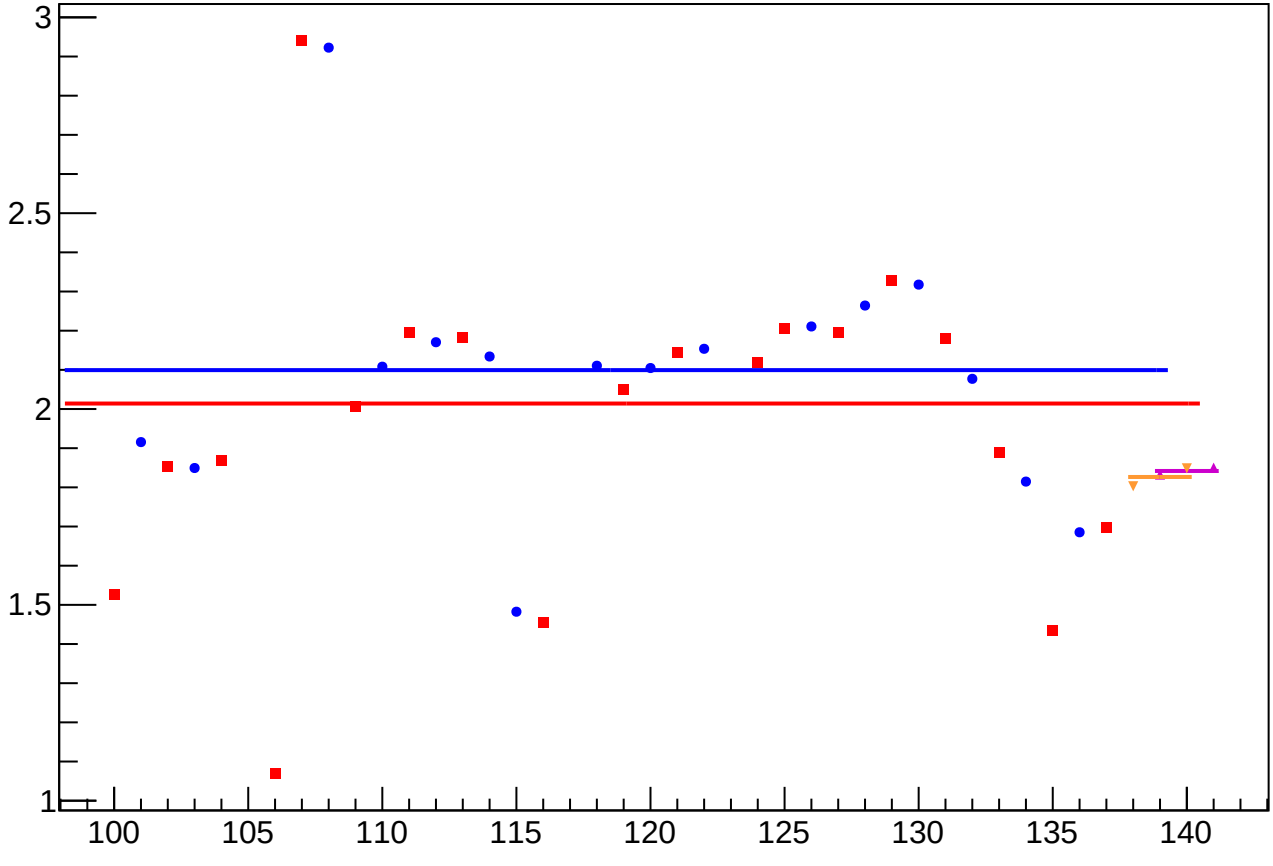
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2253483.2/17

Out: 0.006+/-0.000 χ^2/NDF:1990287.2/20

All: 0.006+/-0.000 χ^2/NDF: 4243799.6/38

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 1.827+/-0.000 χ^2/NDF:9527489.8/1

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 1.842+/-0.000 χ^2/NDF:1530330.4/1

Left: 1.834+/-0.000 χ^2/NDF: 13263523.9/3

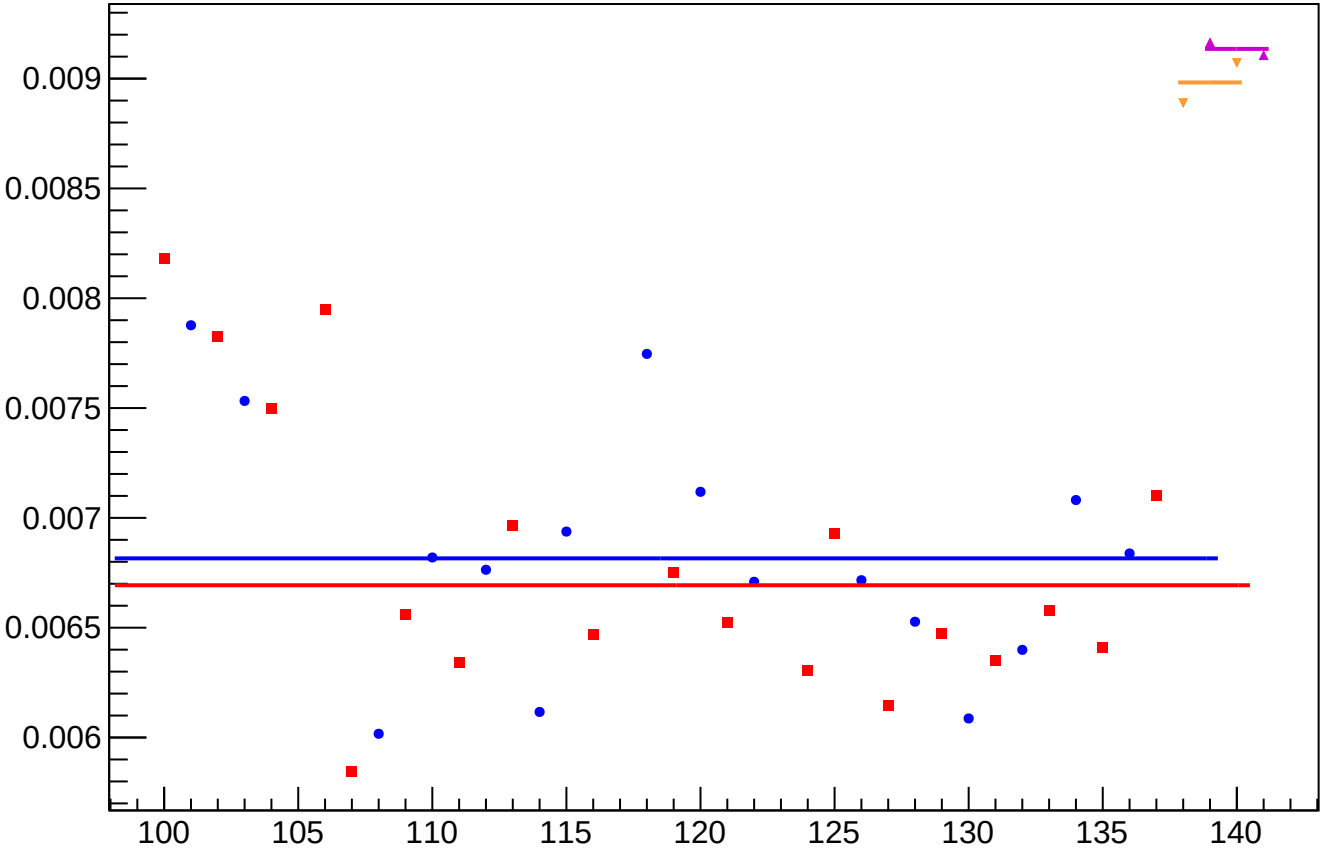
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.069+/-0.000 χ^2/NDF:15069484925.0/17

Out: 1.995+/-0.000 χ^2/NDF:20199096182.8/20

All: 2.031+/-0.000 χ^2/NDF: 35744353958.2/3

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.009+/-0.000 χ^2/NDF:302.4/1

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.009+/-0.000 χ^2/NDF:32.8/1

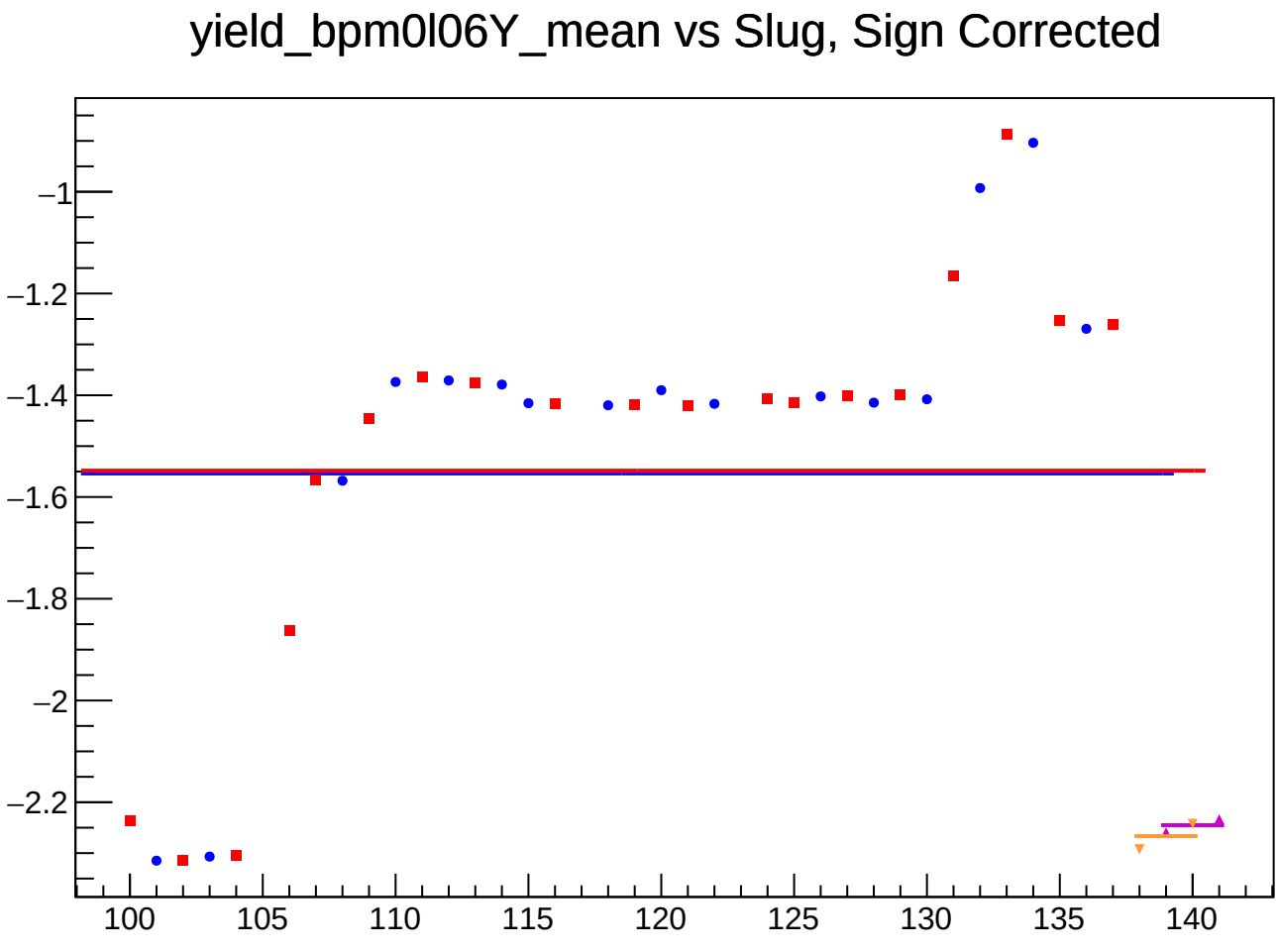
Left: 0.009+/-0.000 χ^2/NDF: 773.8/3

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:271739.0/17

Out: 0.007+/-0.000 χ^2/NDF:259217.2/20

All: 0.007+/-0.000 χ^2/NDF: 535310.8/38



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.267+/-0.000 χ^2/NDF:89914771.1/1

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -2.245+/-0.000 χ^2/NDF:24866259.0/1

Left: -2.256+/-0.000 χ^2/NDF: 149075080.0/3

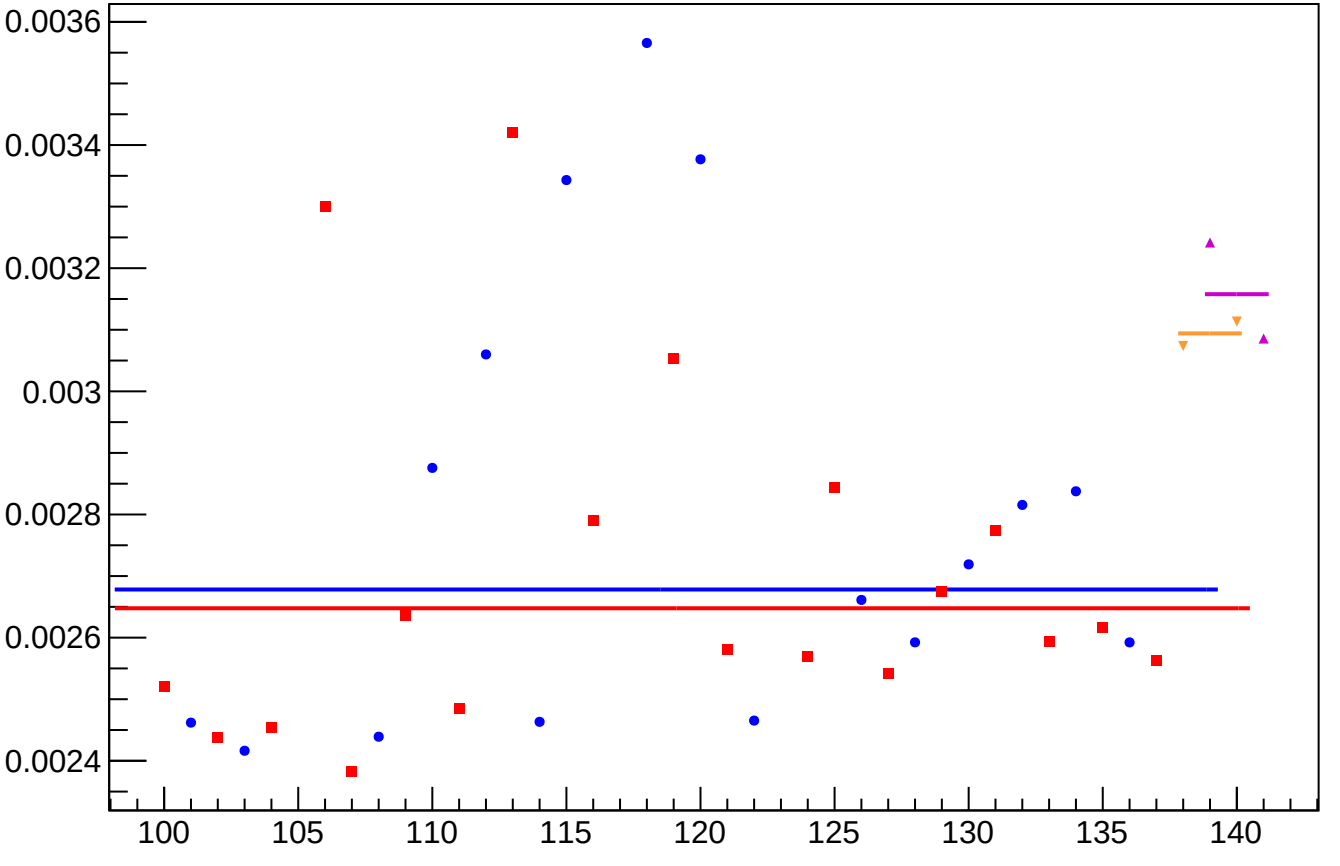
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.650+/-0.000 χ^2/NDF:237909261644.5/17

Out: -1.639+/-0.000 χ^2/NDF:239878667831.9/20

All: -1.644+/-0.000 χ^2/NDF: 477866255194.0

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:113.8/1

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:1843.0/1

Left: 0.003+/-0.000 χ^2/NDF: 2558.2/3

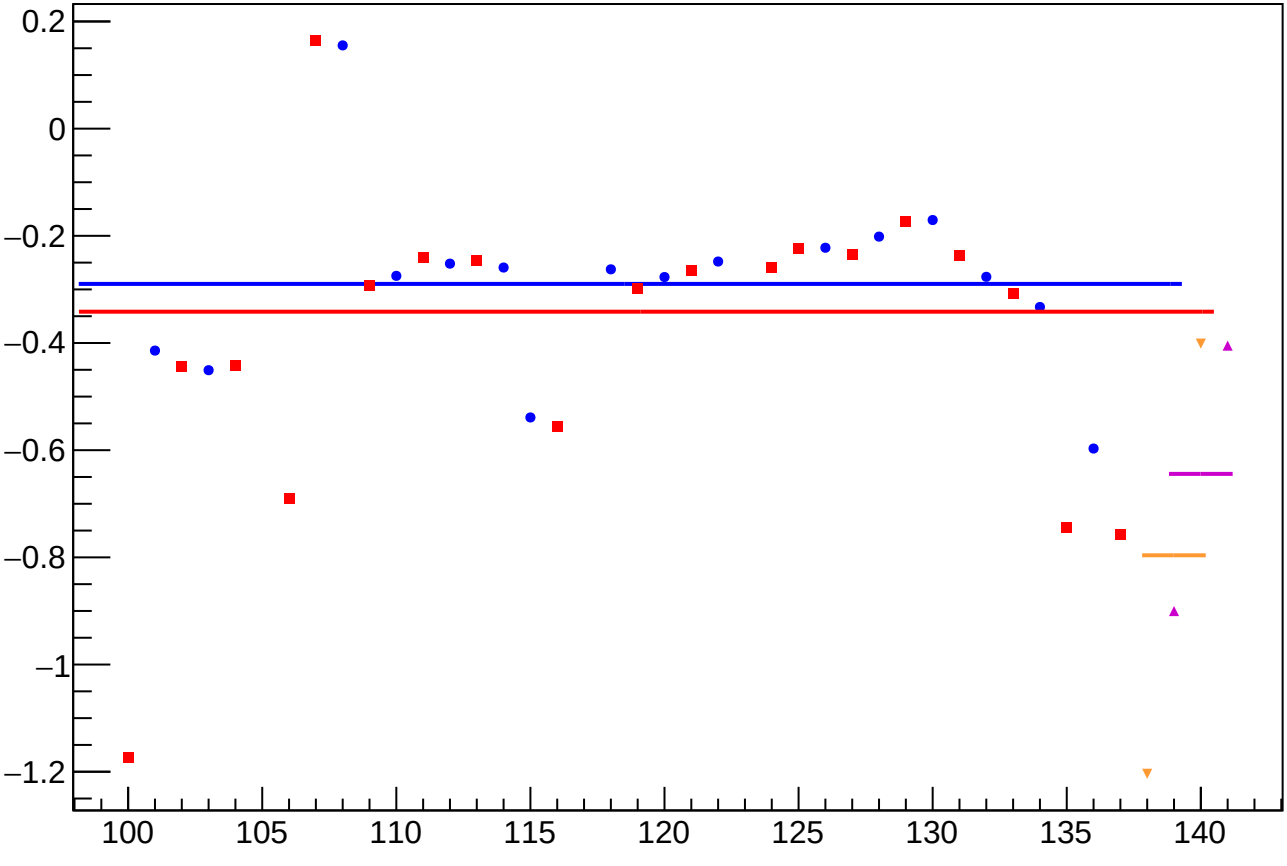
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:220052.6/17

Out: 0.003+/-0.000 χ^2/NDF:166482.6/20

All: 0.003+/-0.000 χ^2/NDF: 388454.5/38

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.796+/-0.000 χ^2/NDF:1032607561.7/1

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.644+/-0.000 χ^2/NDF:444730601.5/1

Left: -0.715+/-0.000 χ^2/NDF: 1555916696.2/3

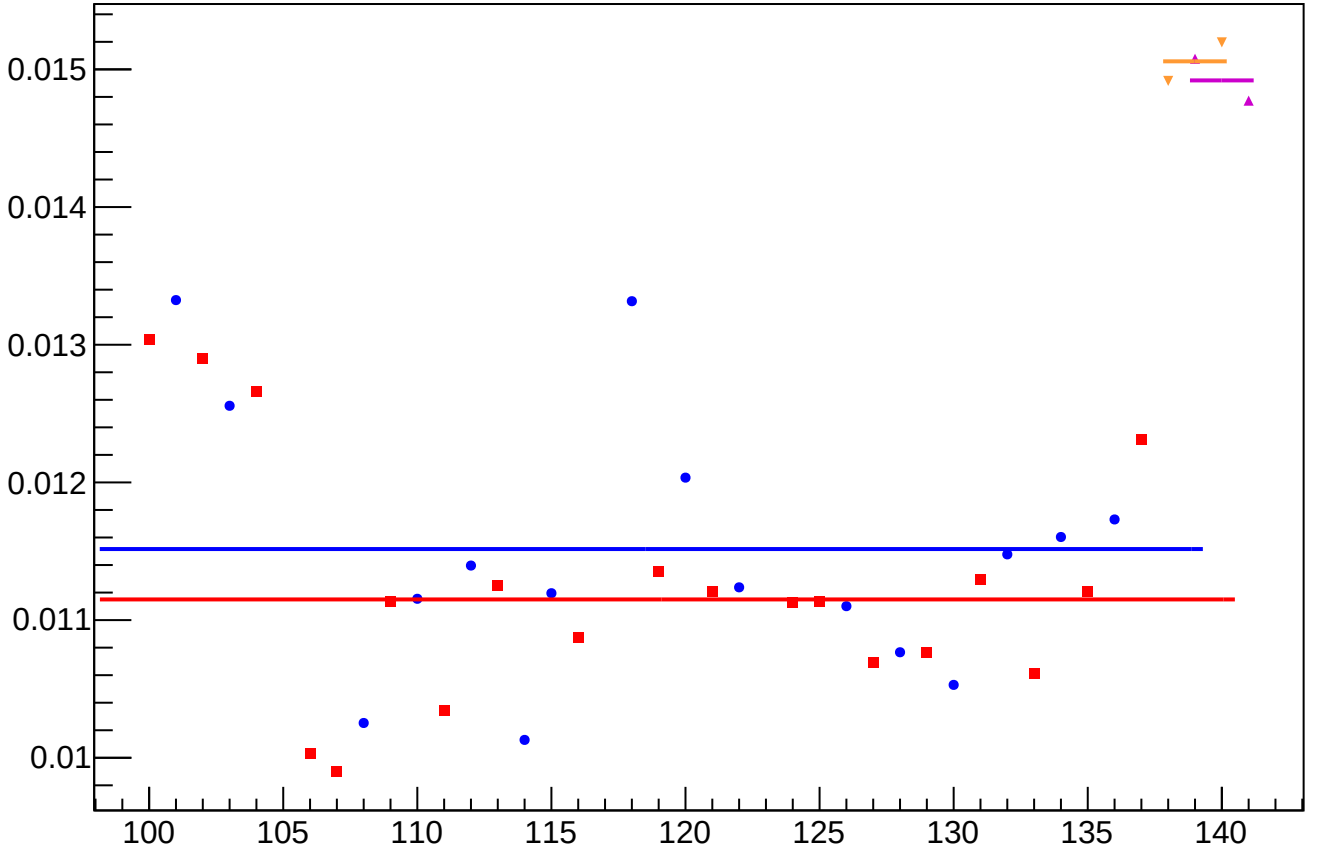
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.333+/-0.000 χ^2/NDF:2890766998.0/17

Out: -0.387+/-0.000 χ^2/NDF:4835582786.5/20

All: -0.361+/-0.000 χ^2/NDF: 7815049677.2/3

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.015+/-0.000 χ^2/NDF:251.0/1

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.015+/-0.000 χ^2/NDF:335.7/1

Left: 0.015+/-0.000 χ^2/NDF: 717.3/3

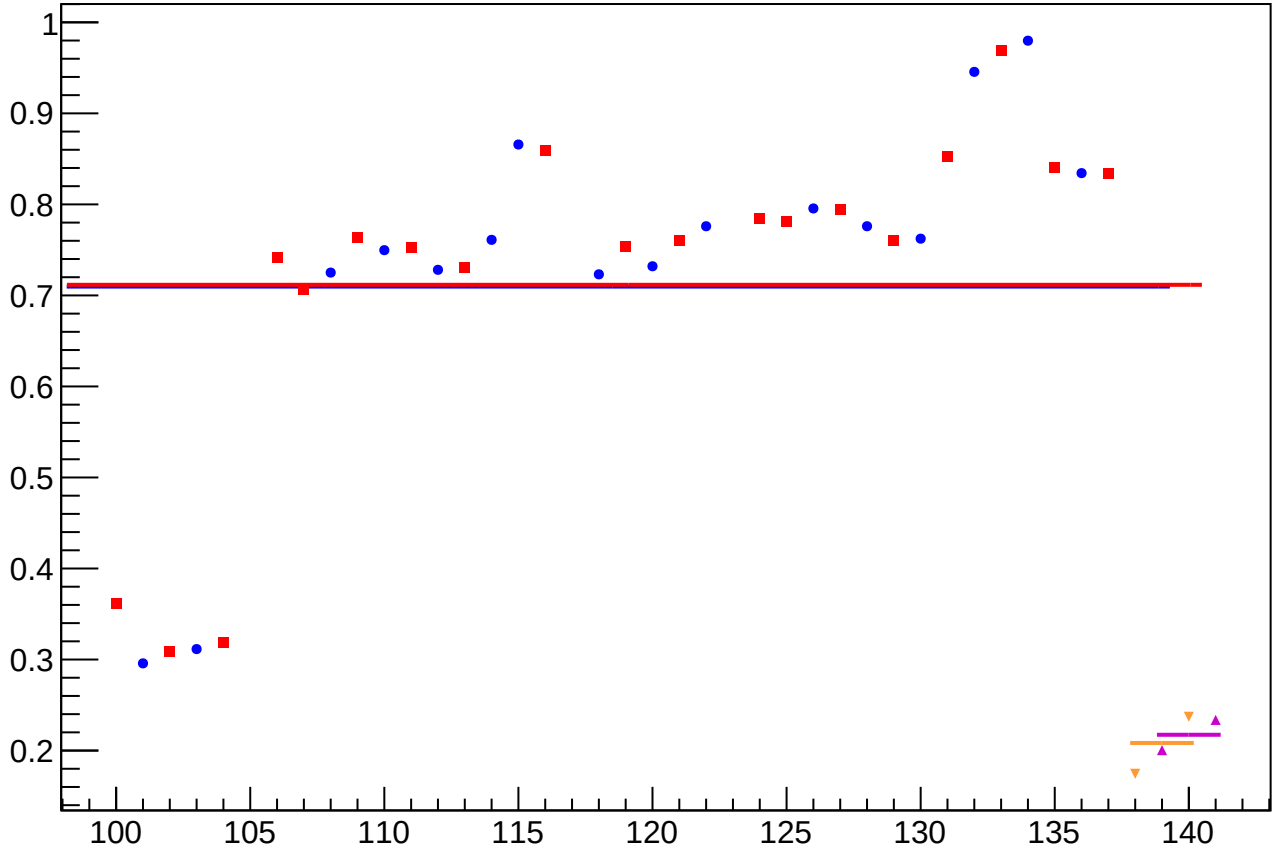
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:232271.5/17

Out: 0.012+/-0.000 χ^2/NDF:247288.1/20

All: 0.012+/-0.000 χ^2/NDF: 489232.9/38

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.208+/-0.000 χ^2/NDF:377943254.8/1

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.217+/-0.000 χ^2/NDF:114332880.9/1

Left: 0.213+/-0.000 χ^2/NDF: 508429766.9/3

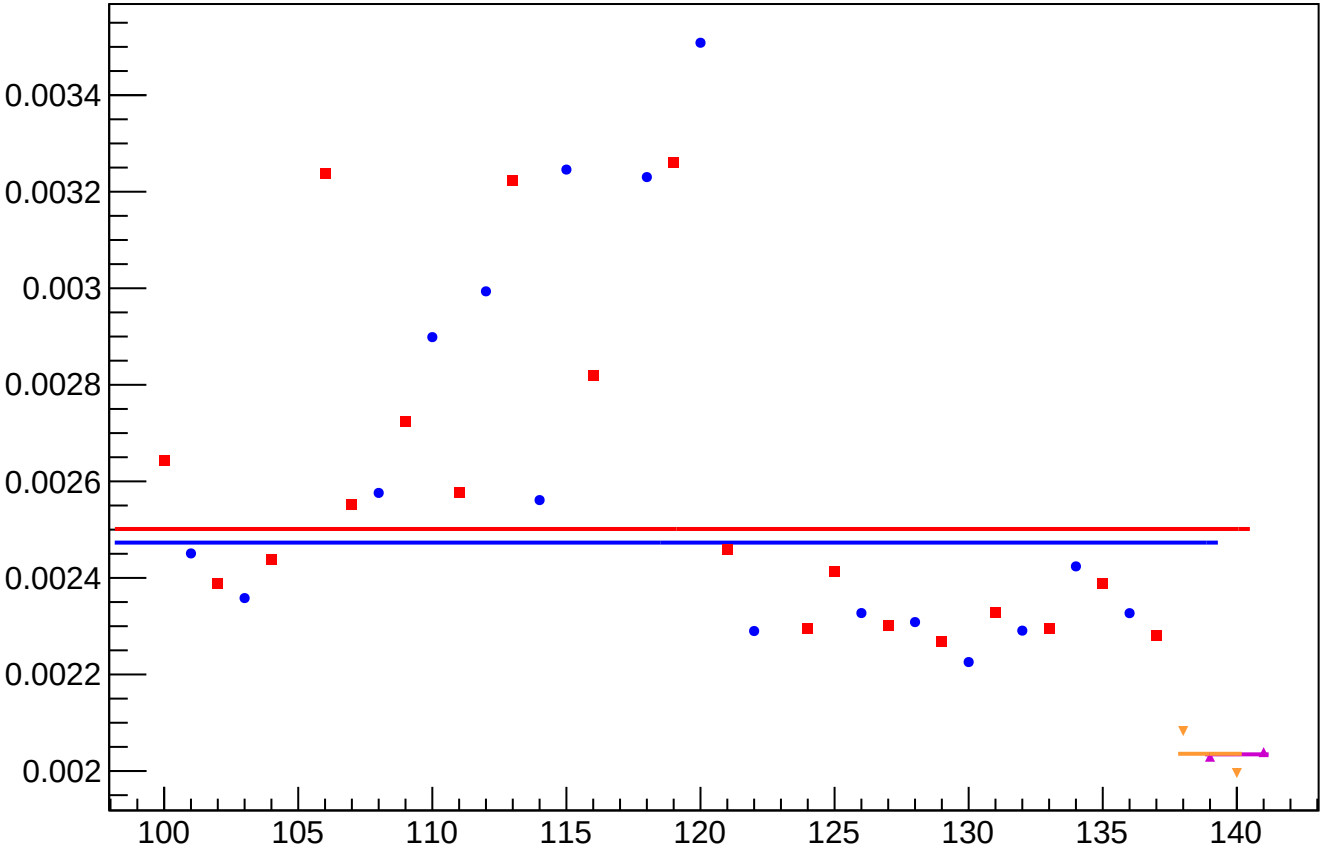
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.576+/-0.000 χ^2/NDF:122368363830.8/17

Out: 0.583+/-0.000 χ^2/NDF:117592324415.7/20

All: 0.579+/-0.000 χ^2/NDF: 239992390468.5

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:1456.4/1

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:18.8/1

Left: 0.002+/-0.000 χ^2/NDF: 1475.8/3

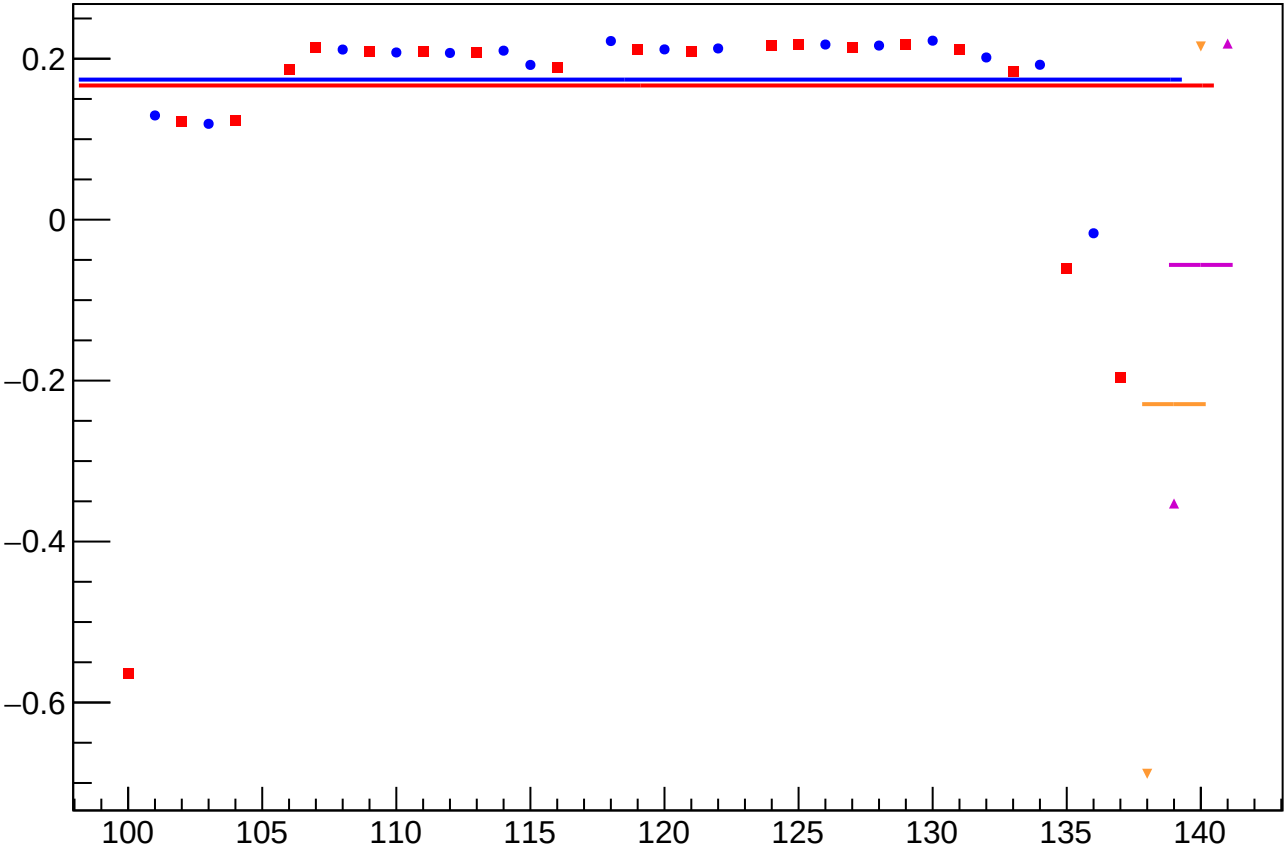
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:324438.8/17

Out: 0.002+/-0.000 χ^2/NDF:303914.9/20

All: 0.002+/-0.000 χ^2/NDF: 629528.9/38

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.229+/-0.000 χ^2/NDF:1615710988.7/1

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.056+/-0.000 χ^2/NDF:734641933.7/1

Left: -0.137+/-0.000 χ^2/NDF: 2476487565.1/3

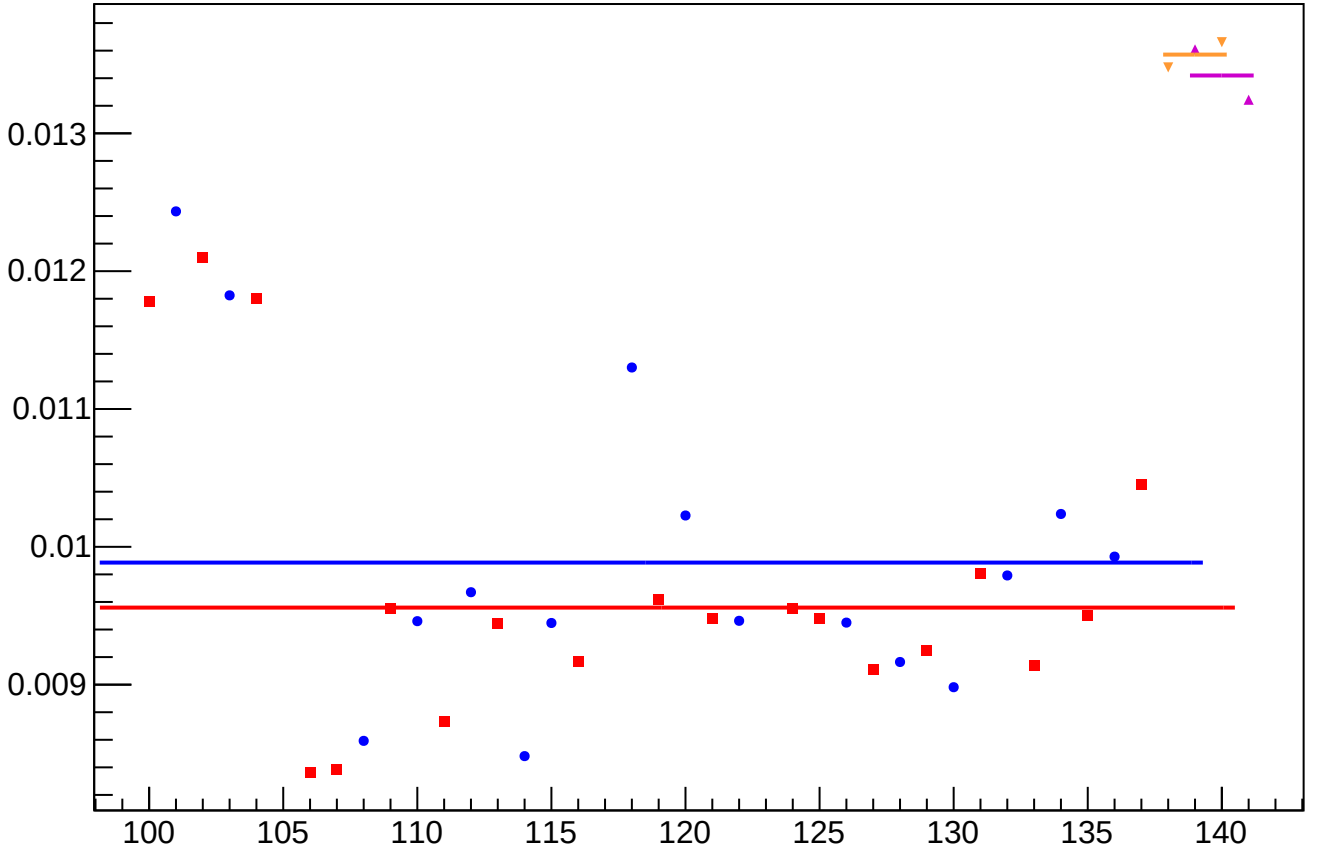
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.148+/-0.000 χ^2/NDF:1559902799.3/17

Out: 0.131+/-0.000 χ^2/NDF:3637535854.8/20

All: 0.139+/-0.000 χ^2/NDF: 5209776350.1/38

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.014+/-0.000 χ^2/NDF:132.1/1

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:600.8/1

Left: 0.013+/-0.000 χ^2/NDF: 926.6/3

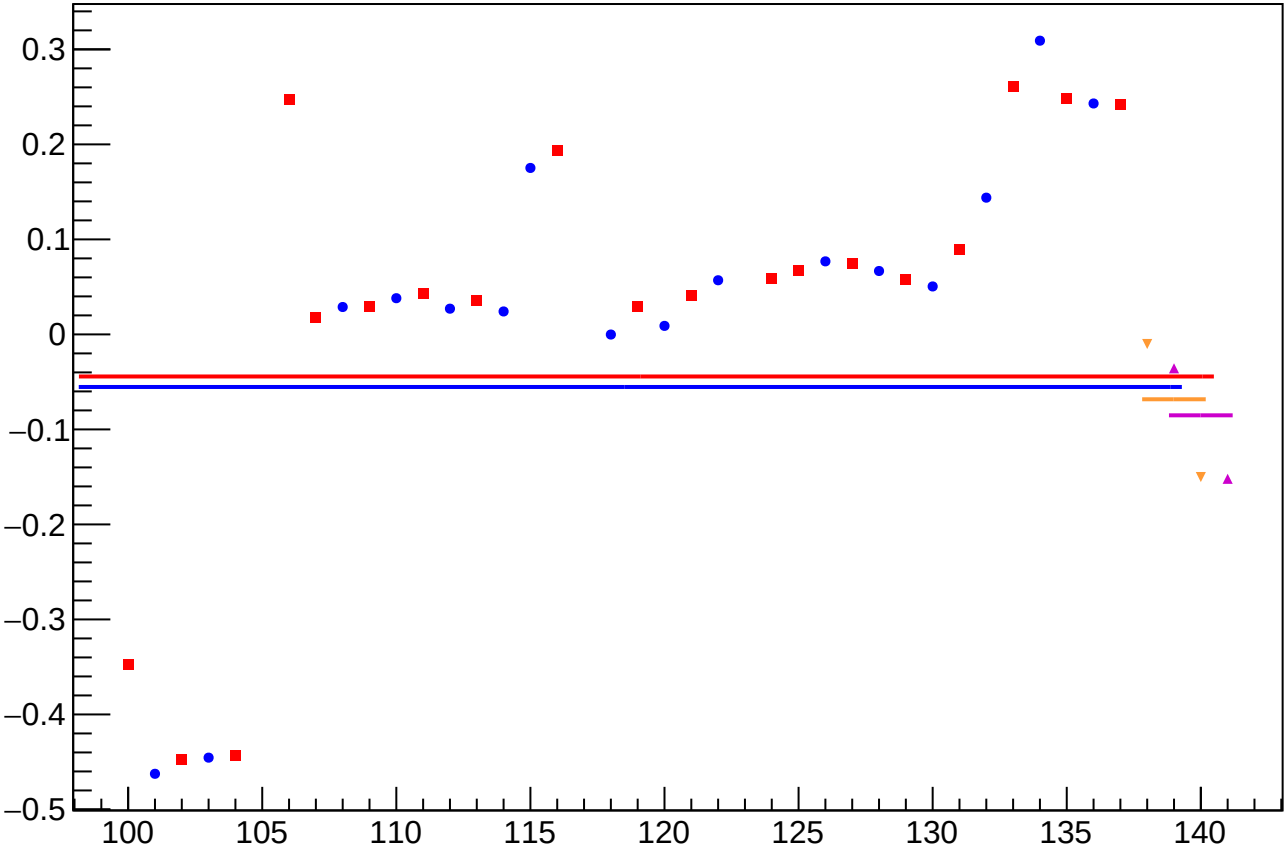
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.010+/-0.000 χ^2/NDF:348582.2/17

Out: 0.010+/-0.000 χ^2/NDF:367879.1/20

All: 0.010+/-0.000 χ^2/NDF: 727335.0/38

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.068+/-0.000 χ^2/NDF:773709891.9/1

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.085+/-0.000 χ^2/NDF:558645986.5/1

Left: -0.077+/-0.000 χ^2/NDF: 1355977152.9/3

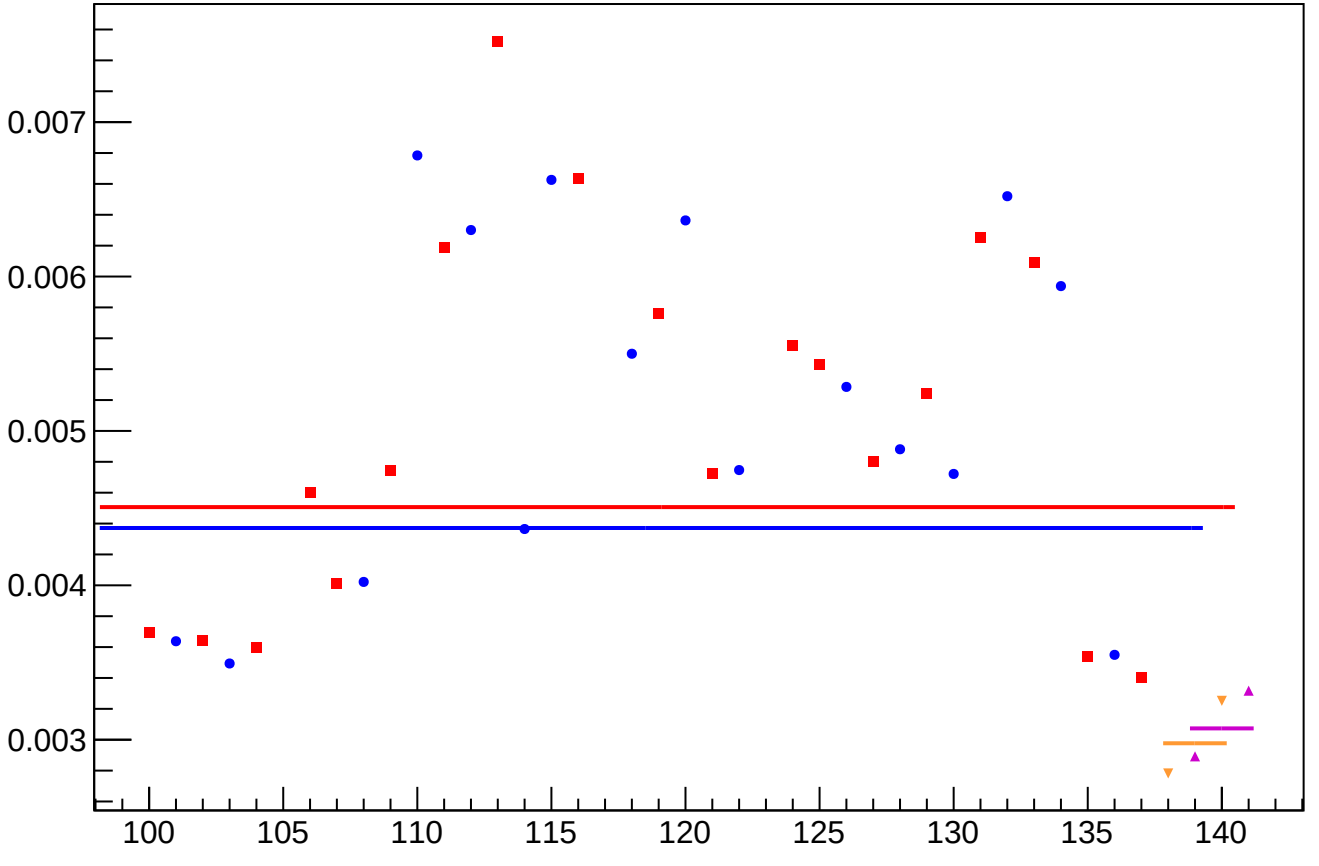
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.066+/-0.000 χ^2/NDF:24738938153.1/17

Out: -0.052+/-0.000 χ^2/NDF:22971552530.6/20

All: -0.059+/-0.000 χ^2/NDF: 47752542177.2/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:17455.5/1

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:14943.2/1

Left: 0.003+/-0.000 χ^2/NDF: 33936.2/3

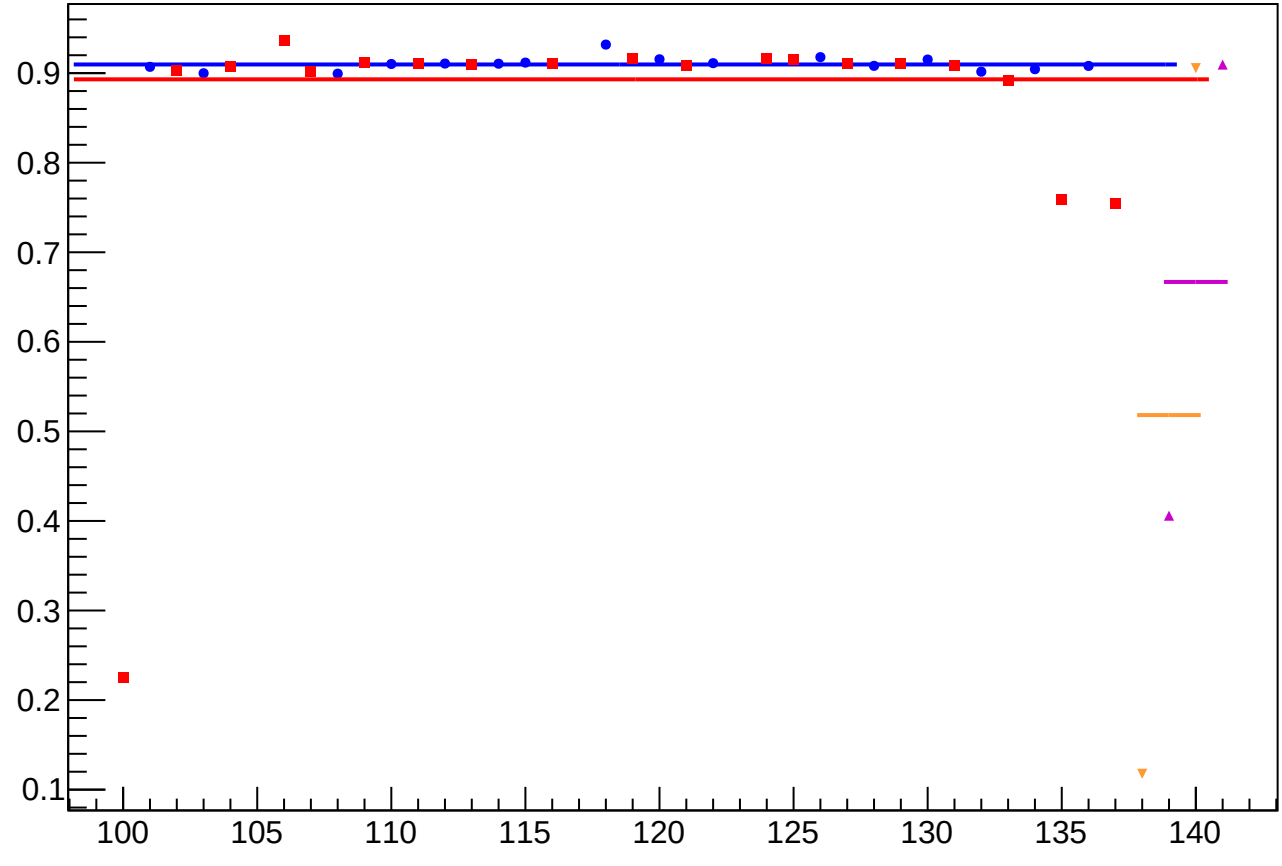
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.004+/-0.000 χ^2/NDF:1047734.2/17

Out: 0.004+/-0.000 χ^2/NDF:1223388.6/20

All: 0.004+/-0.000 χ^2/NDF: 2273078.9/38

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.518+/-0.000 χ^2/NDF:1335231689.2/1

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.667+/-0.000 χ^2/NDF:618765029.6/1

Left: 0.597+/-0.000 χ^2/NDF: 2055089498.9/3

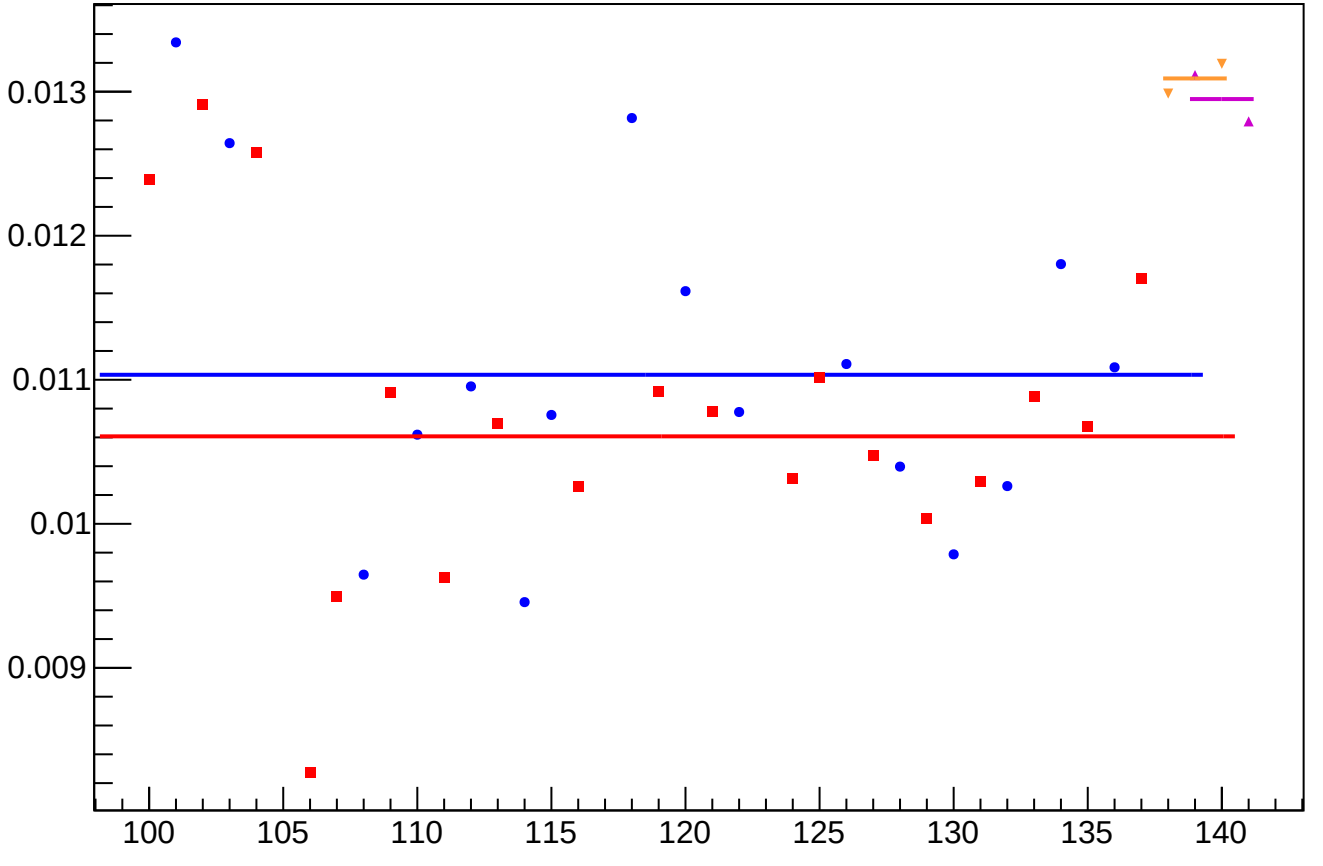
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.874+/-0.000 χ^2/NDF:1112938494.2/17

Out: 0.849+/-0.000 χ^2/NDF:2729386085.6/20

All: 0.861+/-0.000 χ^2/NDF: 3864241764.6/38

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:183.6/1

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.013+/-0.000 χ^2/NDF:504.2/1

Left: 0.013+/-0.000 χ^2/NDF: 875.2/3

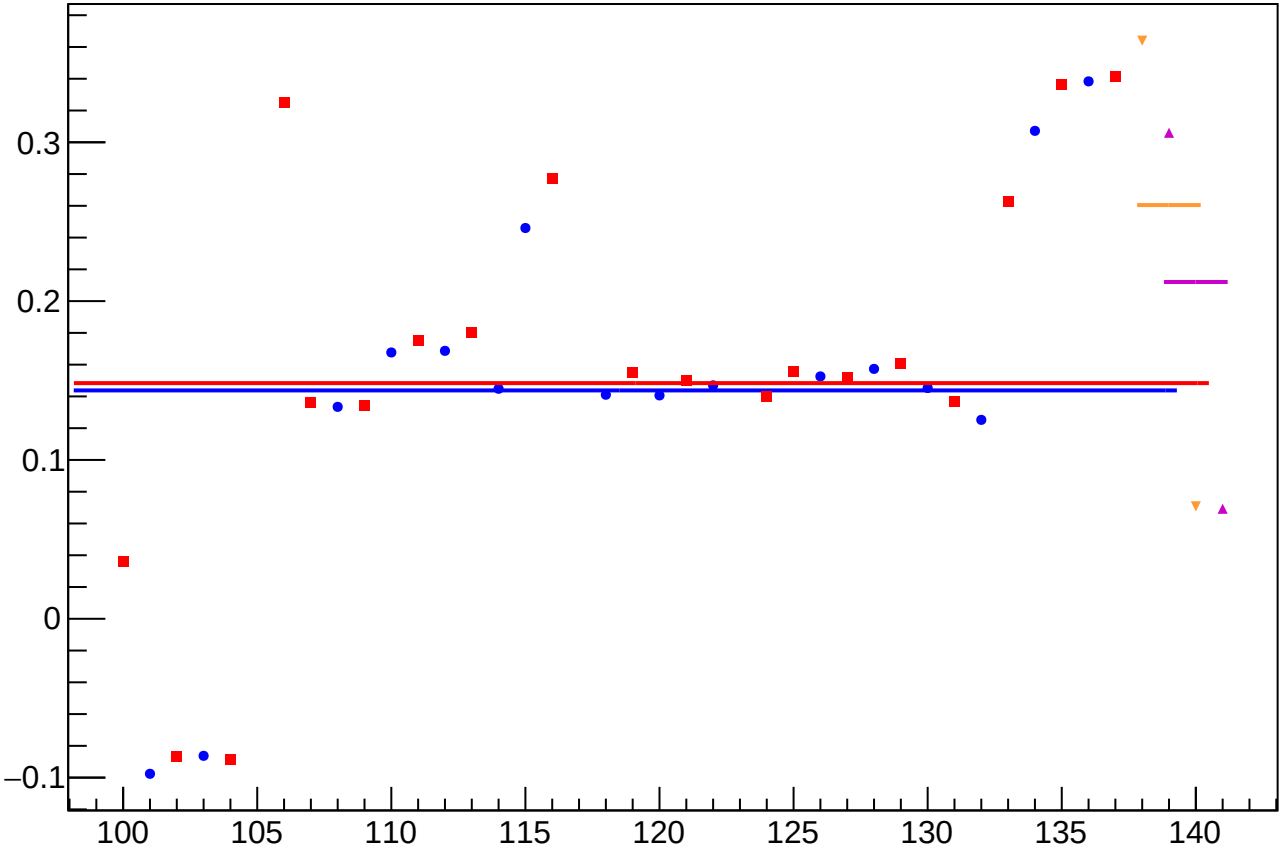
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:191873.0/17

Out: 0.011+/-0.000 χ^2/NDF:237796.1/20

All: 0.011+/-0.000 χ^2/NDF: 441631.0/38

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.260+/-0.000 χ^2/NDF:2295734735.7/1

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.212+/-0.000 χ^2/NDF:1484708606.4/1

Left: 0.237+/-0.000 χ^2/NDF: 3913778736.7/3

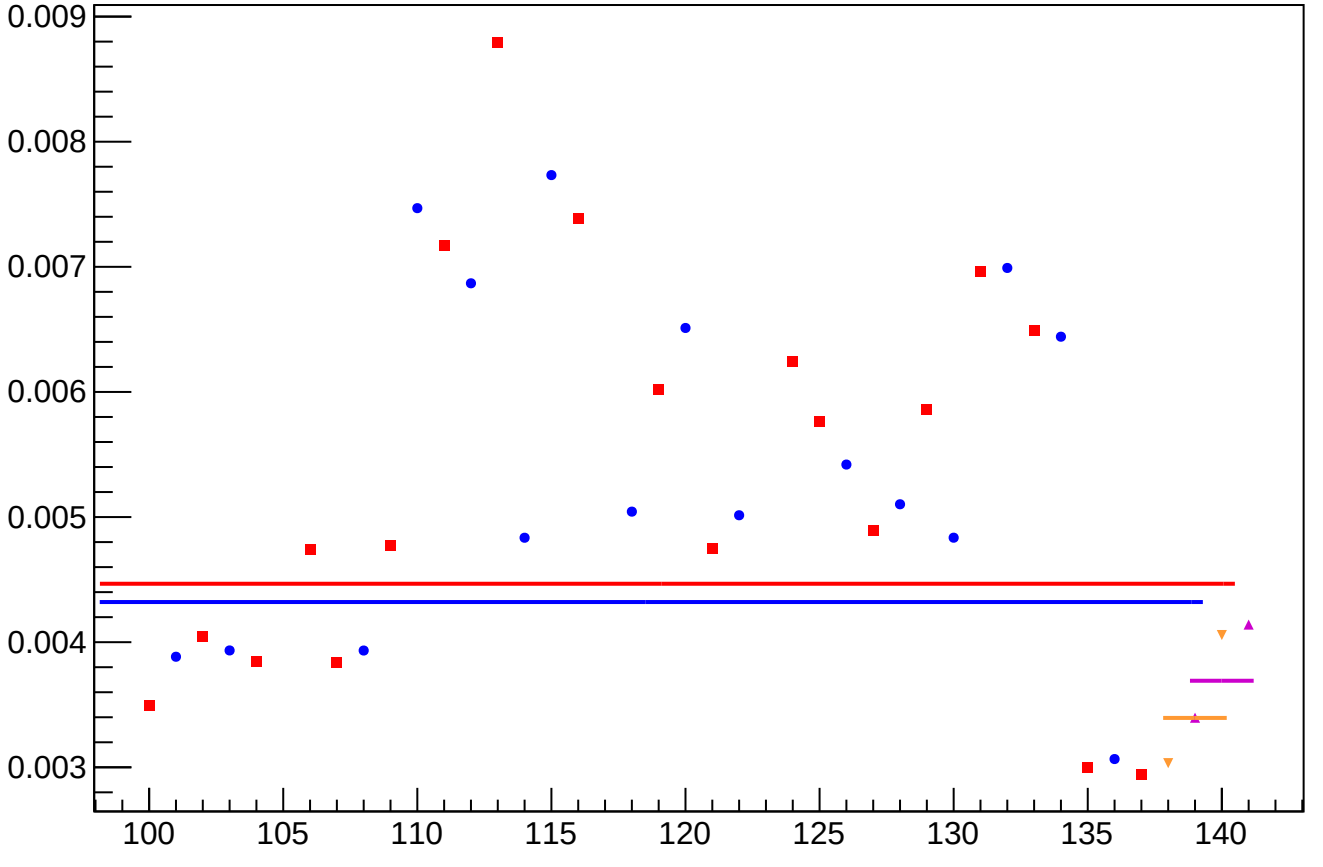
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.162+/-0.000 χ^2/NDF:9731109384.9/17

Out: 0.180+/-0.000 χ^2/NDF:10479010745.5/20

All: 0.171+/-0.000 χ^2/NDF: 20278427797.6/3

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:56001.1/1

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:29365.8/1

Left: 0.004+/-0.000 χ^2/NDF: 95406.4/3

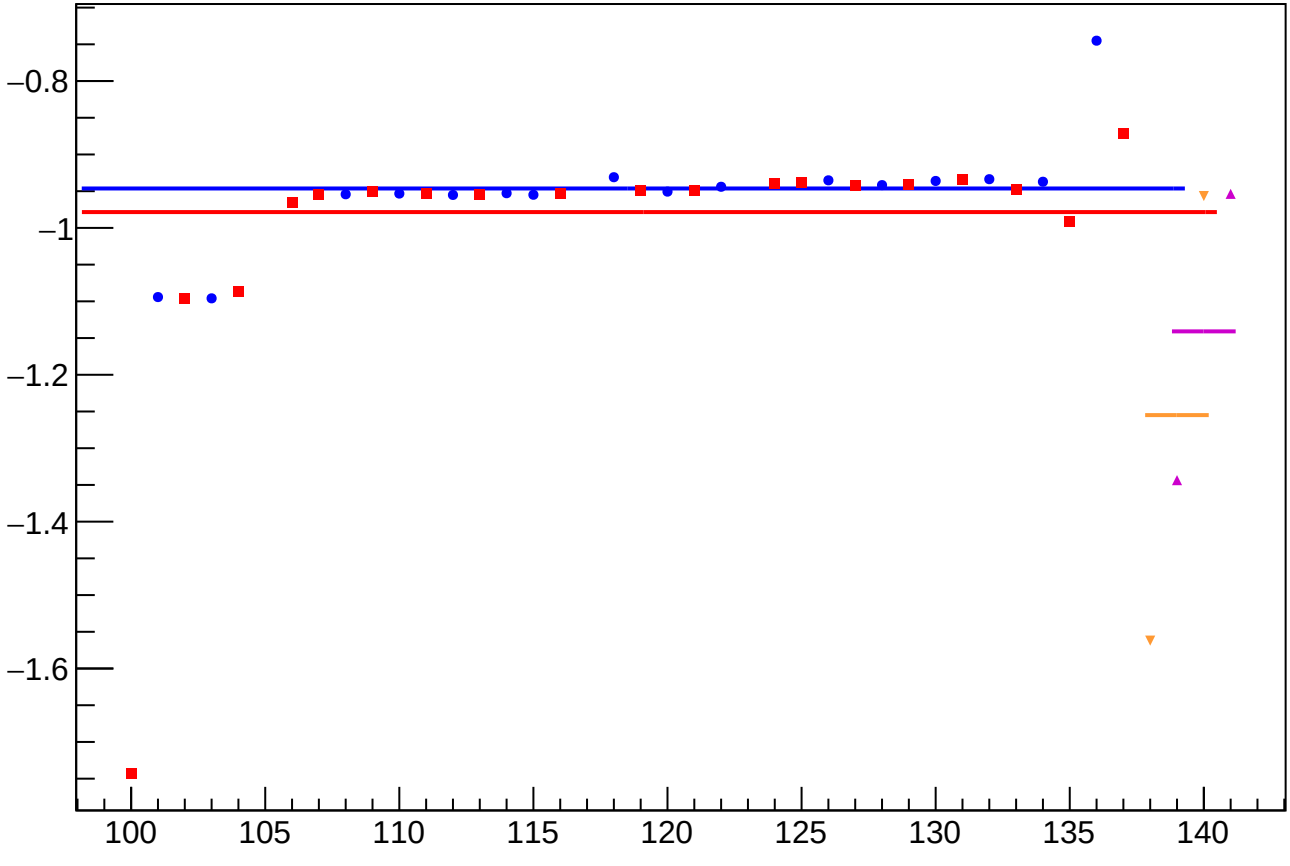
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:972093.2/17

Out: 0.004+/-0.000 χ^2/NDF:1334816.3/20

All: 0.004+/-0.000 χ^2/NDF: 2306954.3/38

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.255+/-0.000 χ^2/NDF:1014469986.0/1

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.141+/-0.000 χ^2/NDF:474111389.9/1

Left: -1.194+/-0.000 χ^2/NDF: 1564889357.3/3

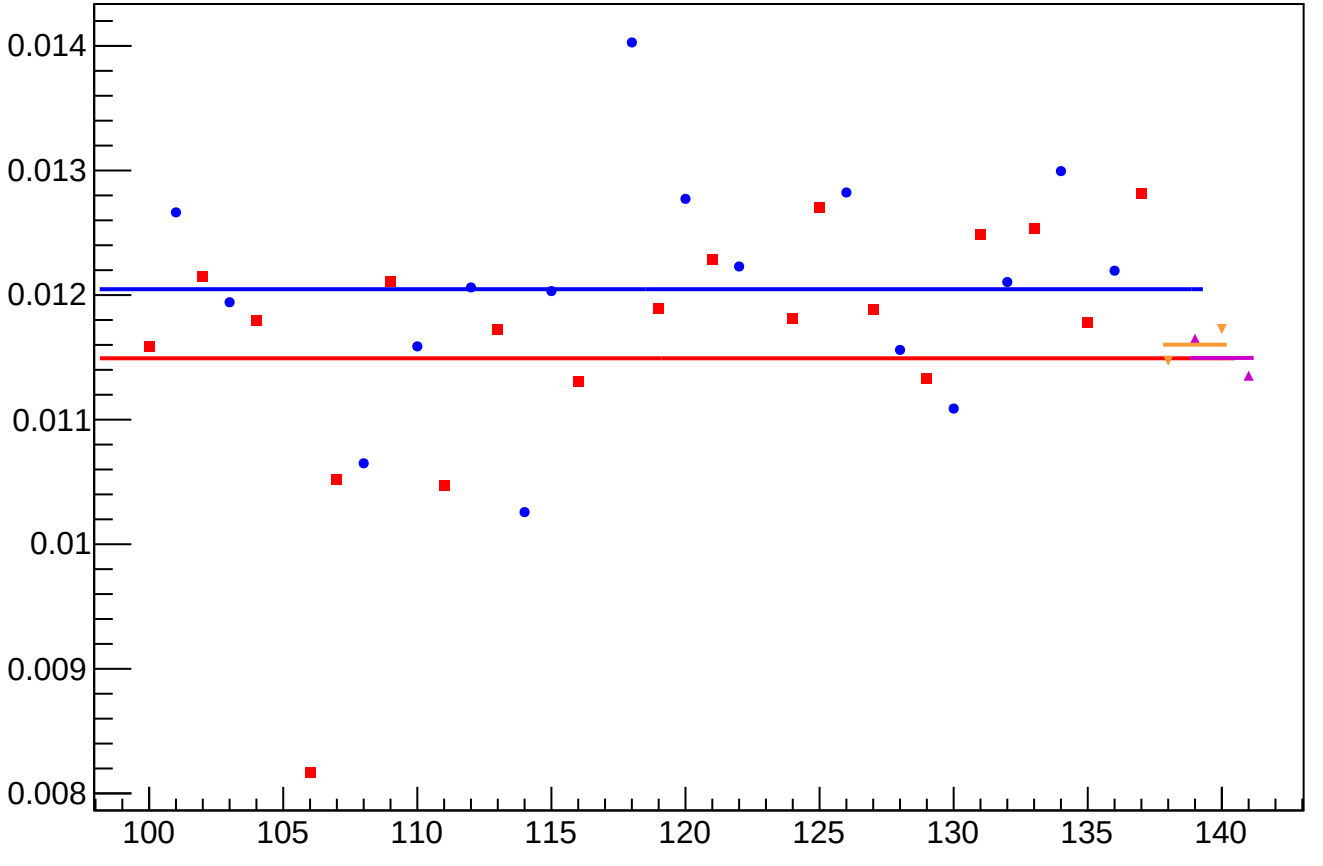
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.987+/-0.000 χ^2/NDF:1252947293.9/17

Out: -1.025+/-0.000 χ^2/NDF:2178345424.5/20

All: -1.007+/-0.000 χ^2/NDF: 3477316744.5/3

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:358.7/1

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:549.9/1

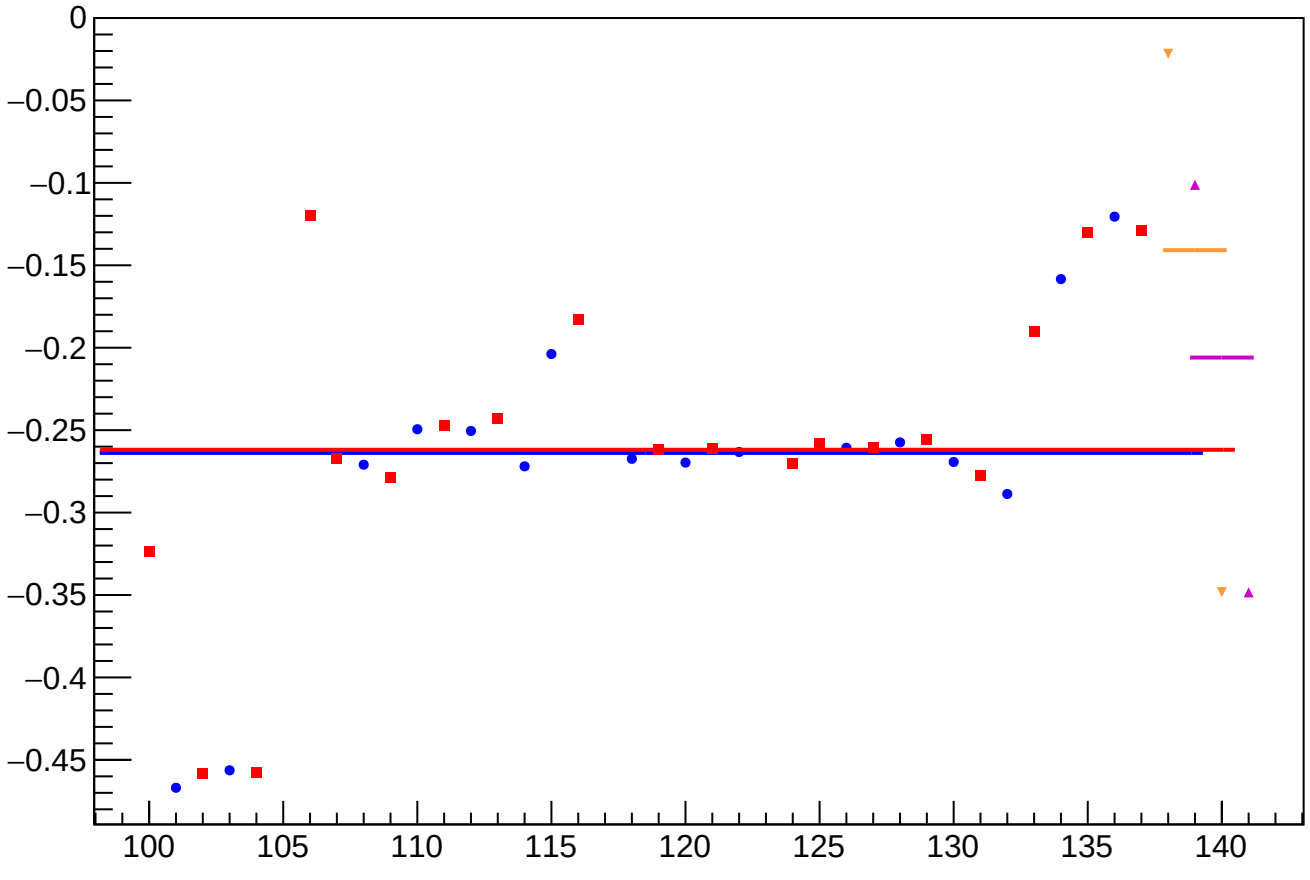
Left: 0.012+/-0.000 χ^2/NDF: 1041.8/3

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.012+/-0.000 χ^2/NDF:69041.5/17

Out: 0.012+/-0.000 χ^2/NDF:151888.4/20

All: 0.012+/-0.000 χ^2/NDF: 231985.4/38



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.141+/-0.000 χ^2/NDF:2124275935.8/1

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.206+/-0.000 χ^2/NDF:1255456131.1/1

Left: -0.173+/-0.000 χ^2/NDF: 3560211846.6/3

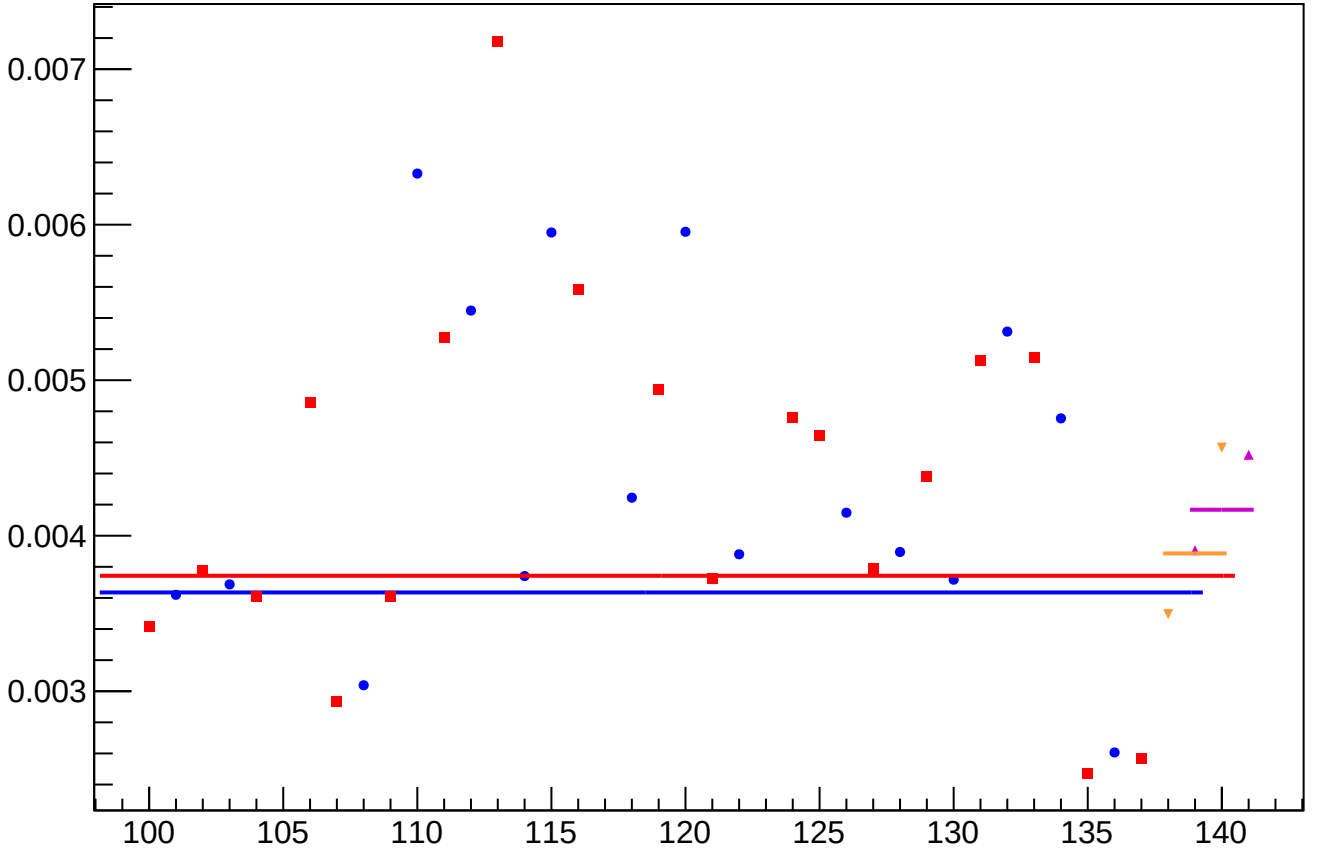
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.254+/-0.000 χ^2/NDF:7597635838.2/17

Out: -0.242+/-0.000 χ^2/NDF:8424403849.0/20

All: -0.248+/-0.000 χ^2/NDF: 16064157217.9/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:45681.1/1

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:15477.4/1

Left: 0.004+/-0.000 χ^2/NDF: 67872.3/3

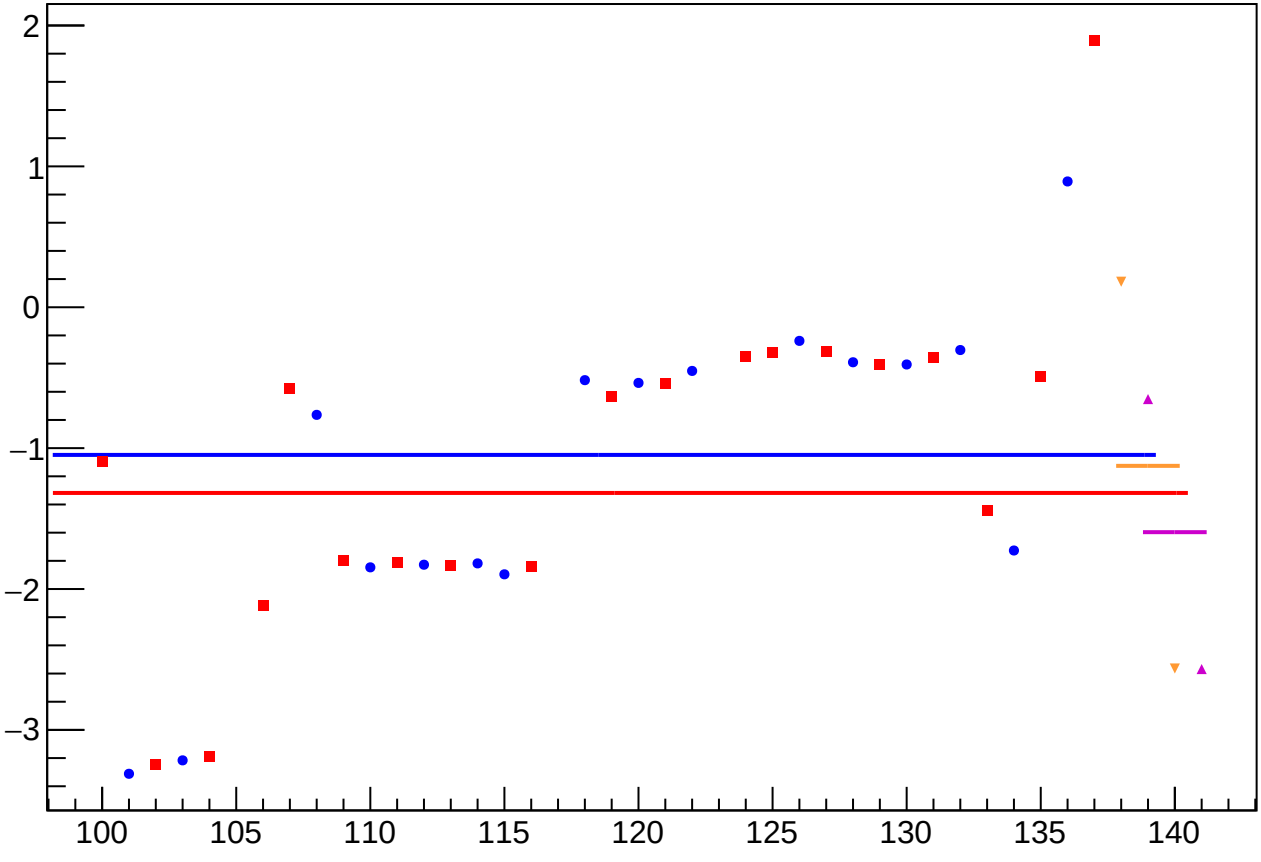
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:783995.7/17

Out: 0.004+/-0.000 χ^2/NDF:942829.0/20

All: 0.004+/-0.000 χ^2/NDF: 1727885.4/38

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.126+/-0.000 χ^2/NDF:539927158.2/1

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.596+/-0.000 χ^2/NDF:281816024.1/1

Left: -1.369+/-0.000 χ^2/NDF: 854623495.0/3

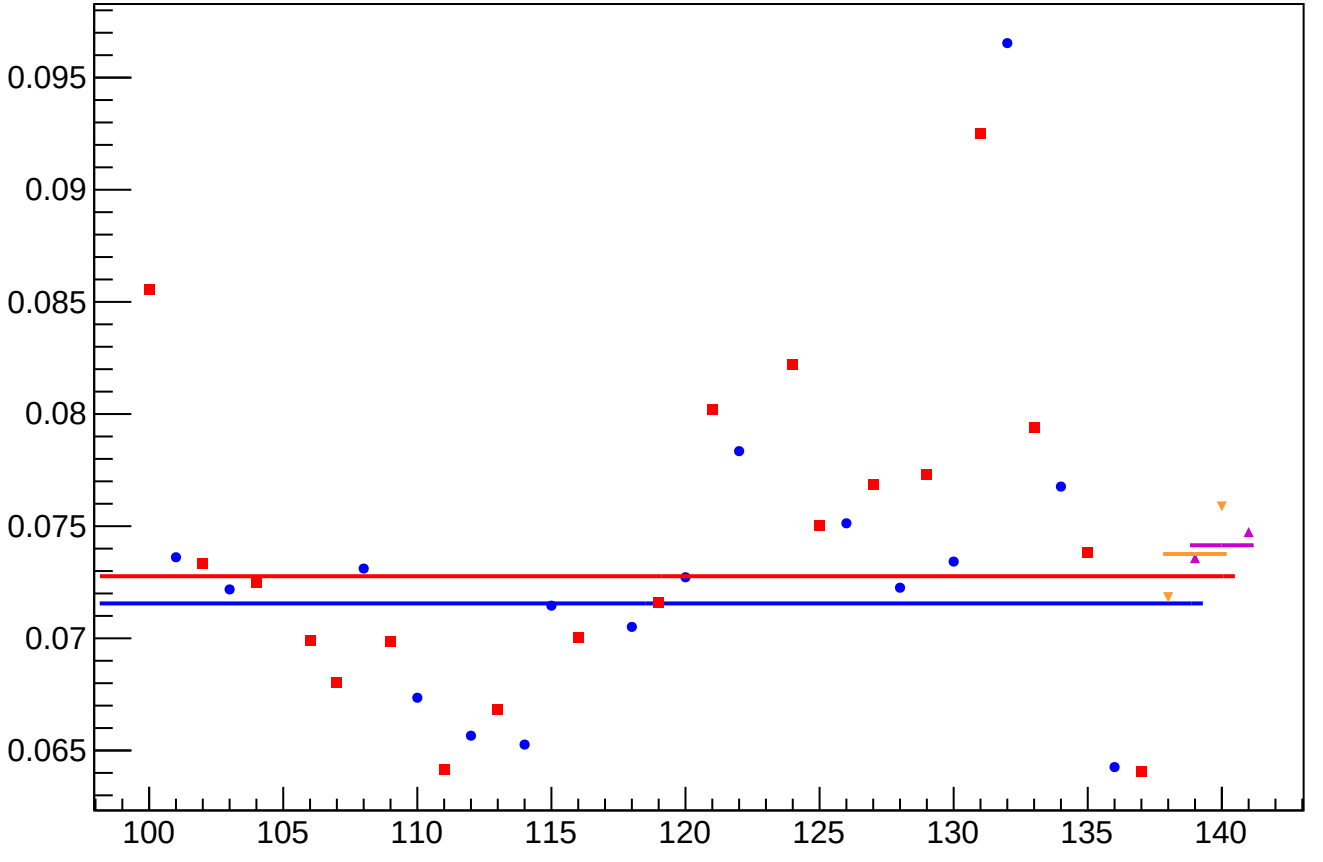
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.149+/-0.000 χ^2/NDF:2704250571.5/17

Out: -1.285+/-0.000 χ^2/NDF:2396707099.6/20

All: -1.216+/-0.000 χ^2/NDF: 5116429455.6/3

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF:2346.2/1

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.074+/-0.000 χ^2/NDF:206.5/1

Left: 0.074+/-0.000 χ^2/NDF: 2597.9/3

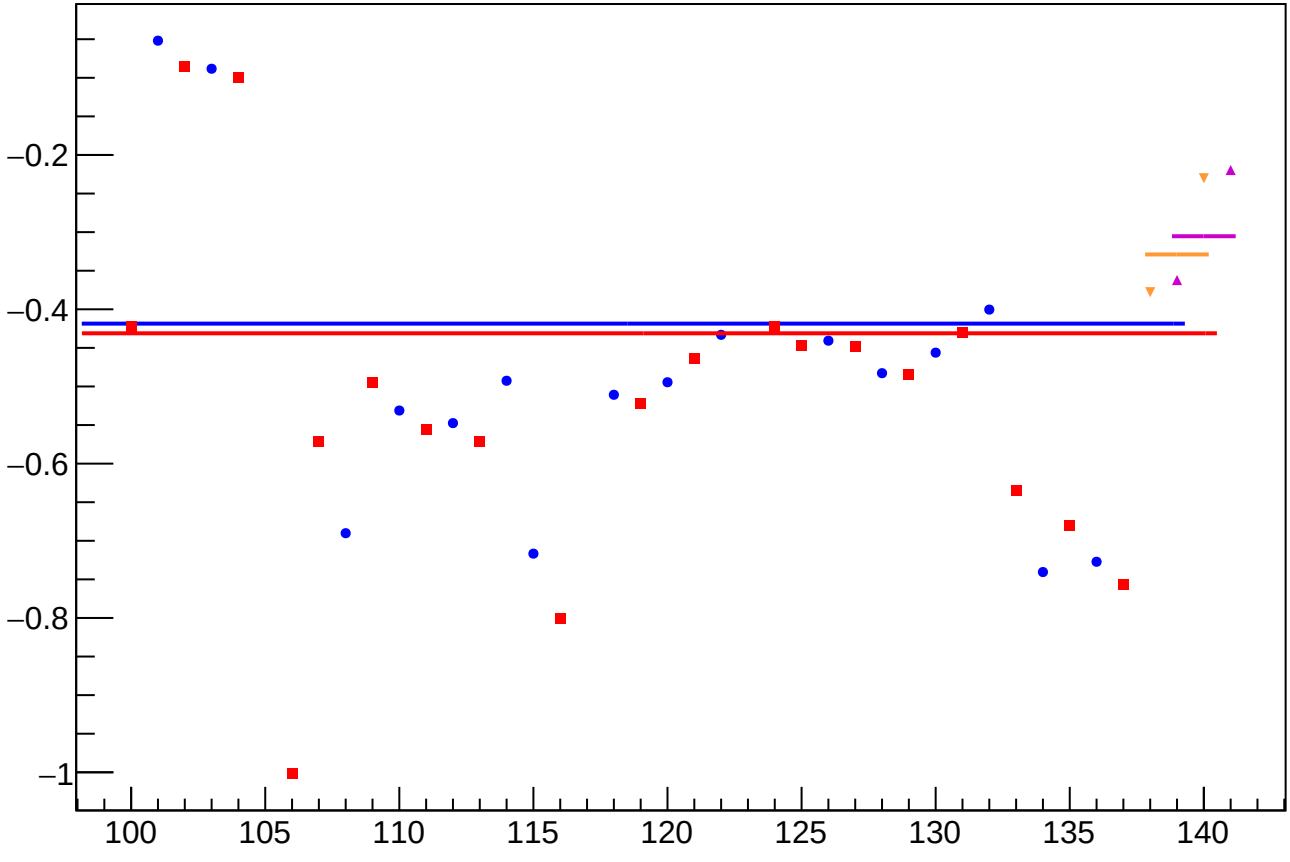
Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.072+/-0.000 χ^2/NDF:104819.7/17

Out: 0.073+/-0.000 χ^2/NDF:99686.1/20

All: 0.072+/-0.000 χ^2/NDF: 205885.3/38

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.329+/-0.000 χ^2/NDF:126061288.0/1

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.305+/-0.000 χ^2/NDF:114822001.5/1

Left: -0.318+/-0.000 χ^2/NDF: 247784829.5/3

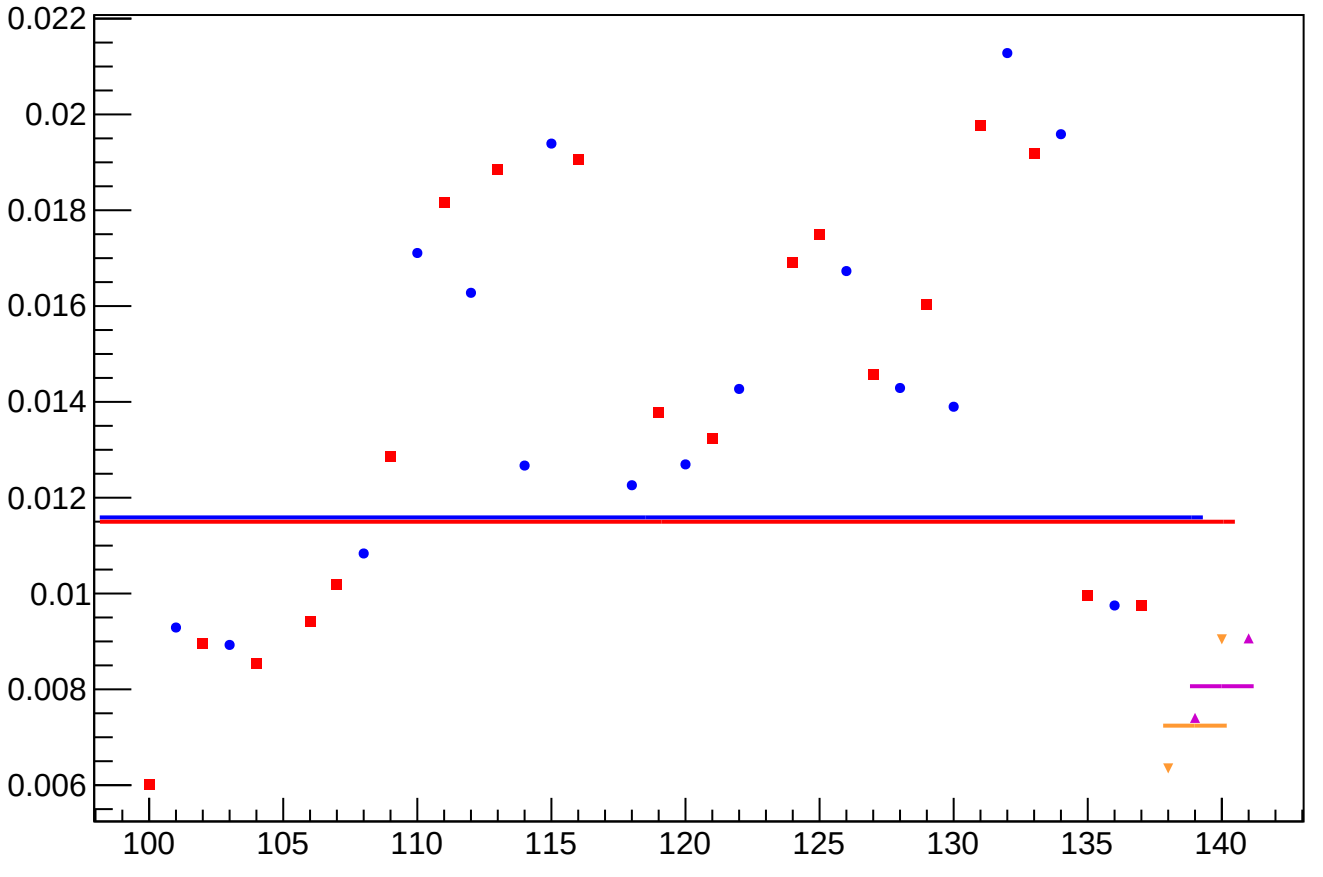
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.379+/-0.000 χ^2/NDF:3384347957.2/17

Out: -0.394+/-0.000 χ^2/NDF:3495732924.7/20

All: -0.387+/-0.000 χ^2/NDF: 6887458746.0/3

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:83898.2/1

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.008+/-0.000 χ^2/NDF:31093.0/1

Left: 0.008+/-0.000 χ^2/NDF: 131761.0/3

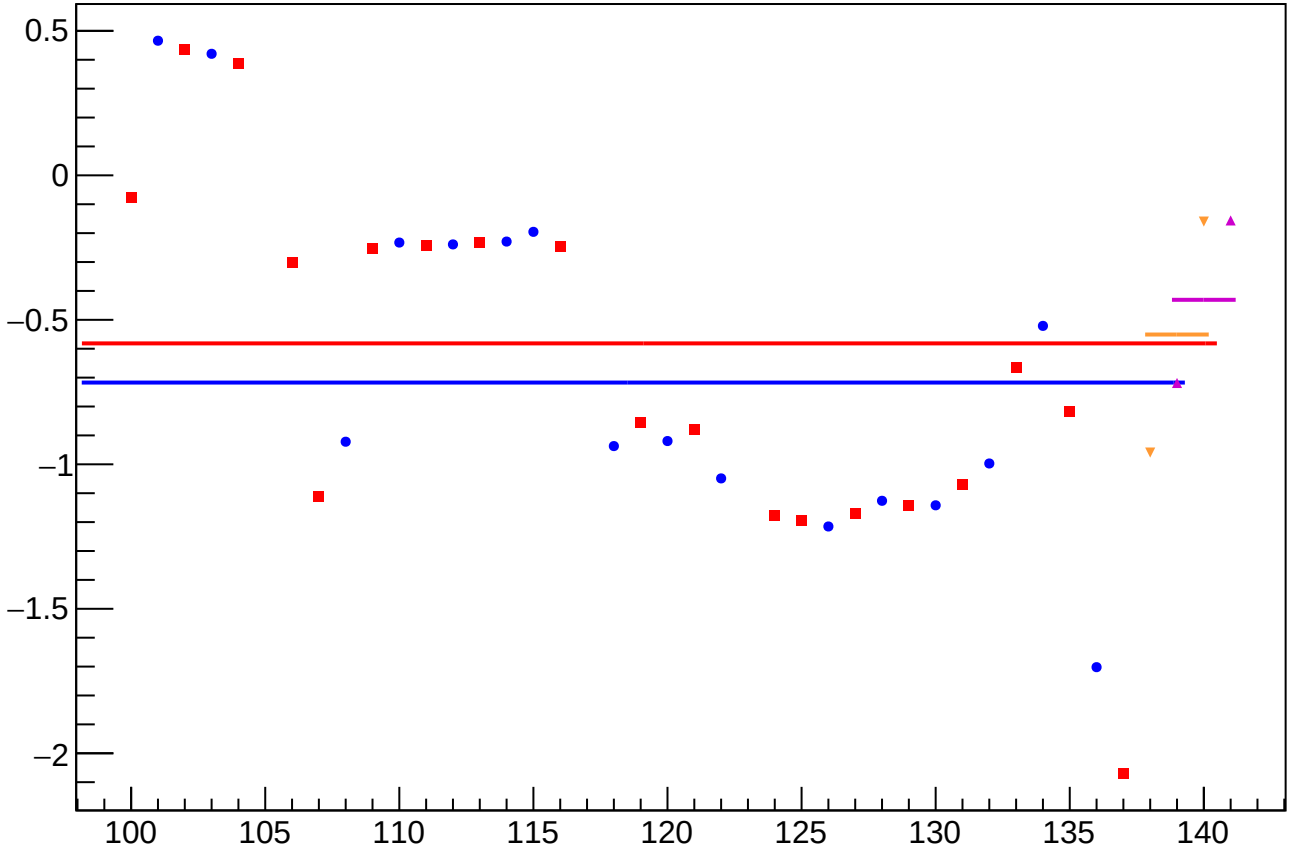
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.010+/-0.000 χ^2/NDF:1199598.1/17

Out: 0.010+/-0.000 χ^2/NDF:1849048.4/20

All: 0.010+/-0.000 χ^2/NDF: 3060979.8/38

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.551+/-0.000 χ^2/NDF:37118796.4/1

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.431+/-0.000 χ^2/NDF:19661517.7/1

Left: -0.489+/-0.000 χ^2/NDF: 58514055.7/3

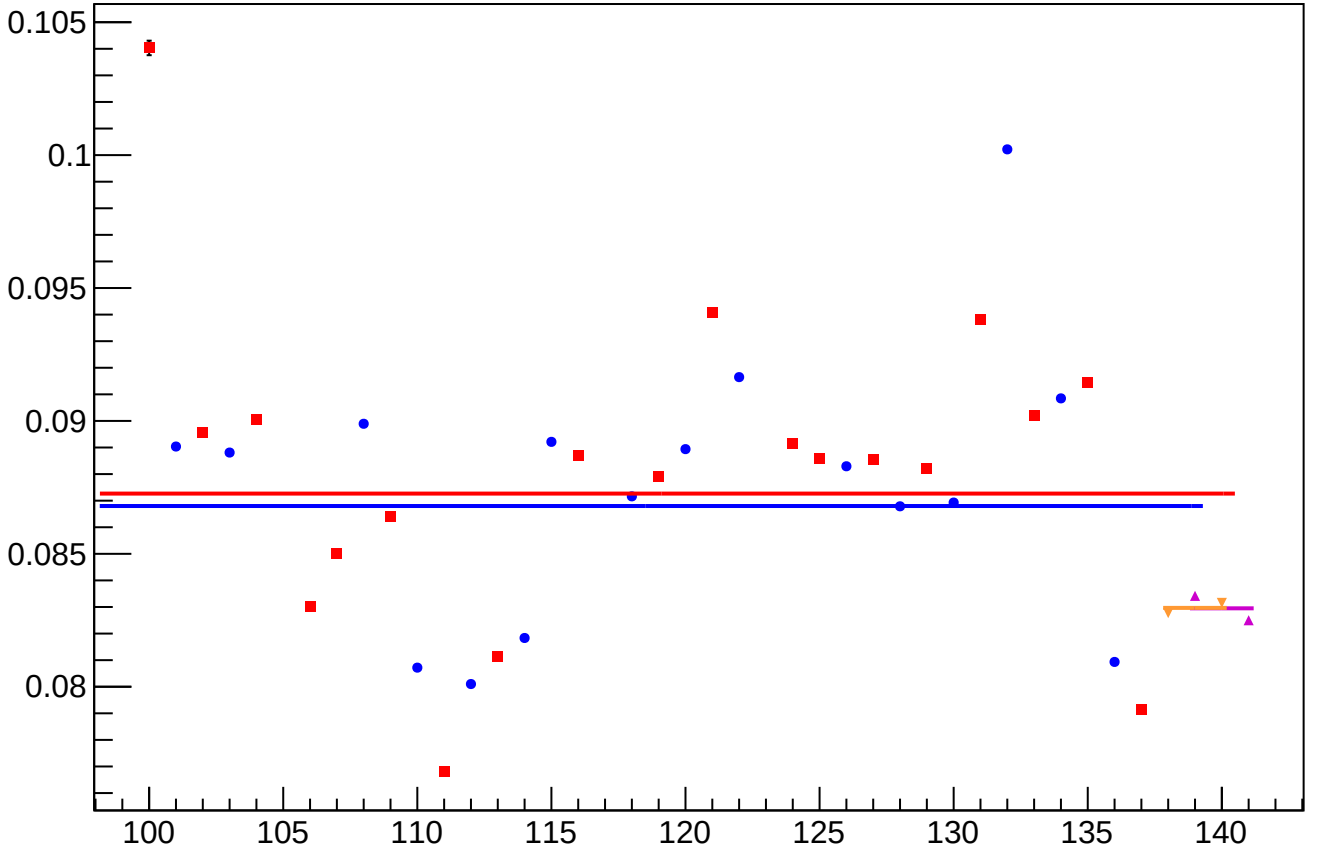
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.658+/-0.000 χ^2/NDF:473253982.2/17

Out: -0.576+/-0.000 χ^2/NDF:379357554.3/20

All: -0.617+/-0.000 χ^2/NDF: 856677059.4/38

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:17.2/1

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.083+/-0.000 χ^2/NDF:104.7/1

Left: 0.083+/-0.000 χ^2/NDF: 121.9/3

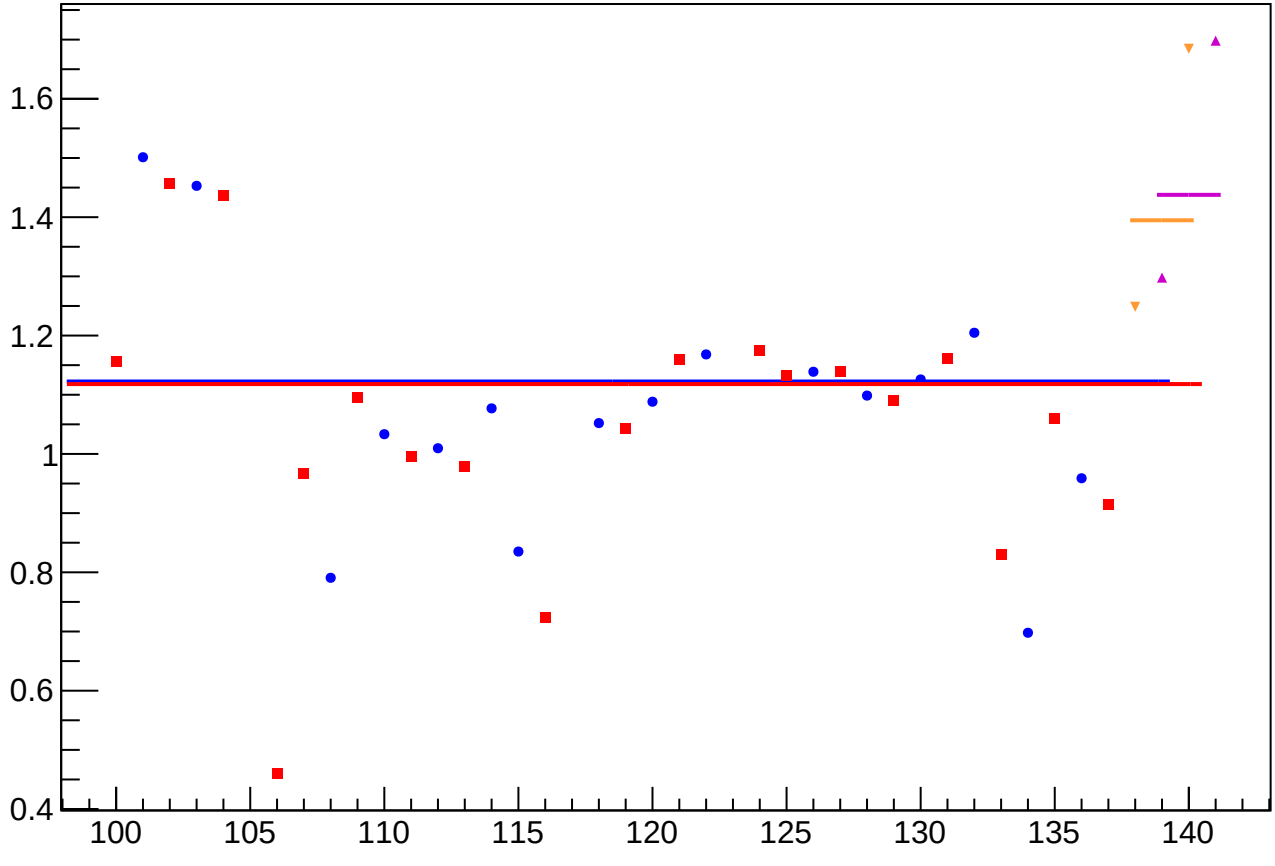
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:49522.8/17

Out: 0.086+/-0.000 χ^2/NDF:53127.4/20

All: 0.086+/-0.000 χ^2/NDF: 102881.9/38

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.395+/-0.000 χ^2/NDF:804460910.0/1

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 1.438+/-0.000 χ^2/NDF:631398872.8/1

Left: 1.415+/-0.000 χ^2/NDF: 1452606982.7/3

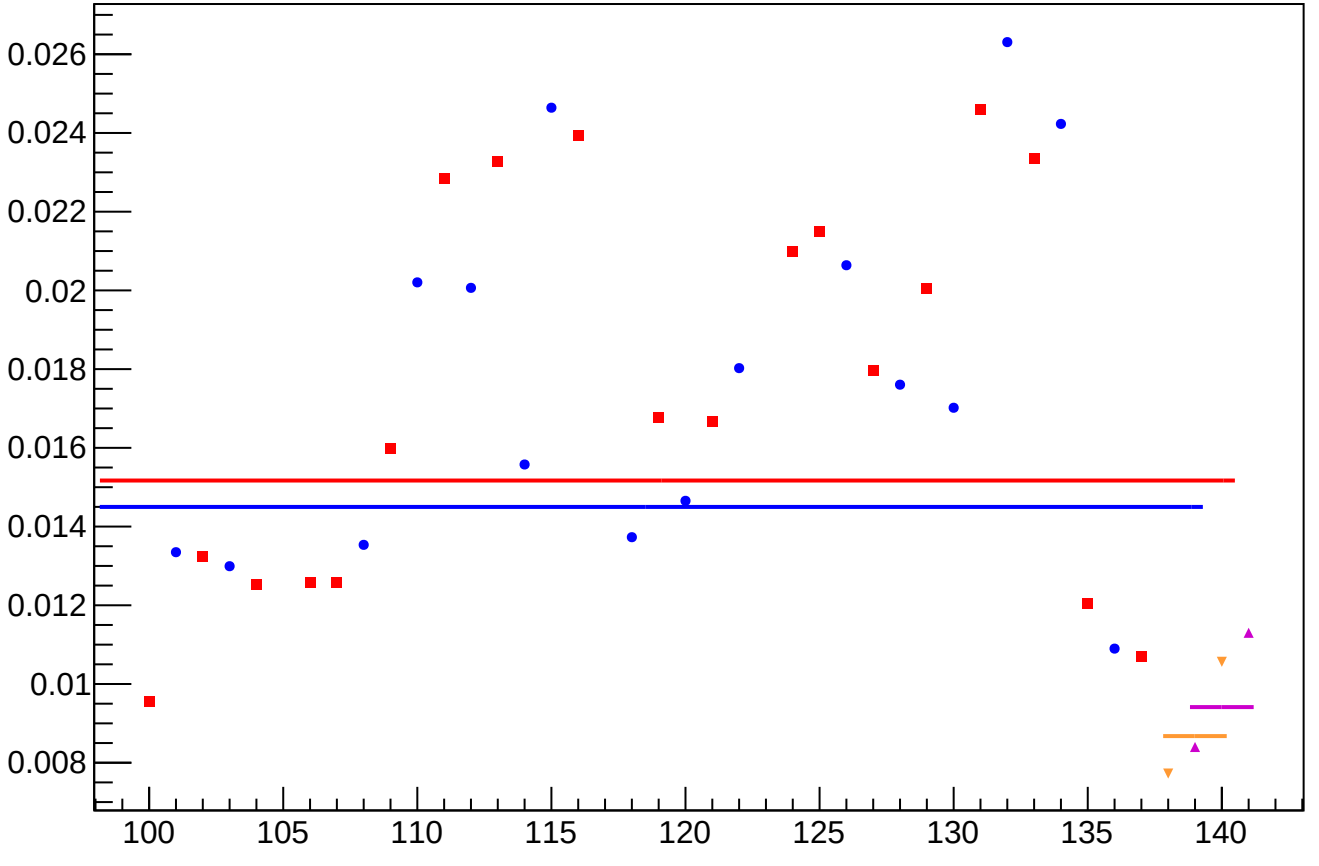
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 1.242+/-0.000 χ^2/NDF:3156382695.1/17

Out: 1.233+/-0.000 χ^2/NDF:3224058421.8/20

All: 1.238+/-0.000 χ^2/NDF: 6382181141.9/38

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:68255.2/1

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.009+/-0.000 χ^2/NDF:66343.8/1

Left: 0.009+/-0.000 χ^2/NDF: 144446.8/3

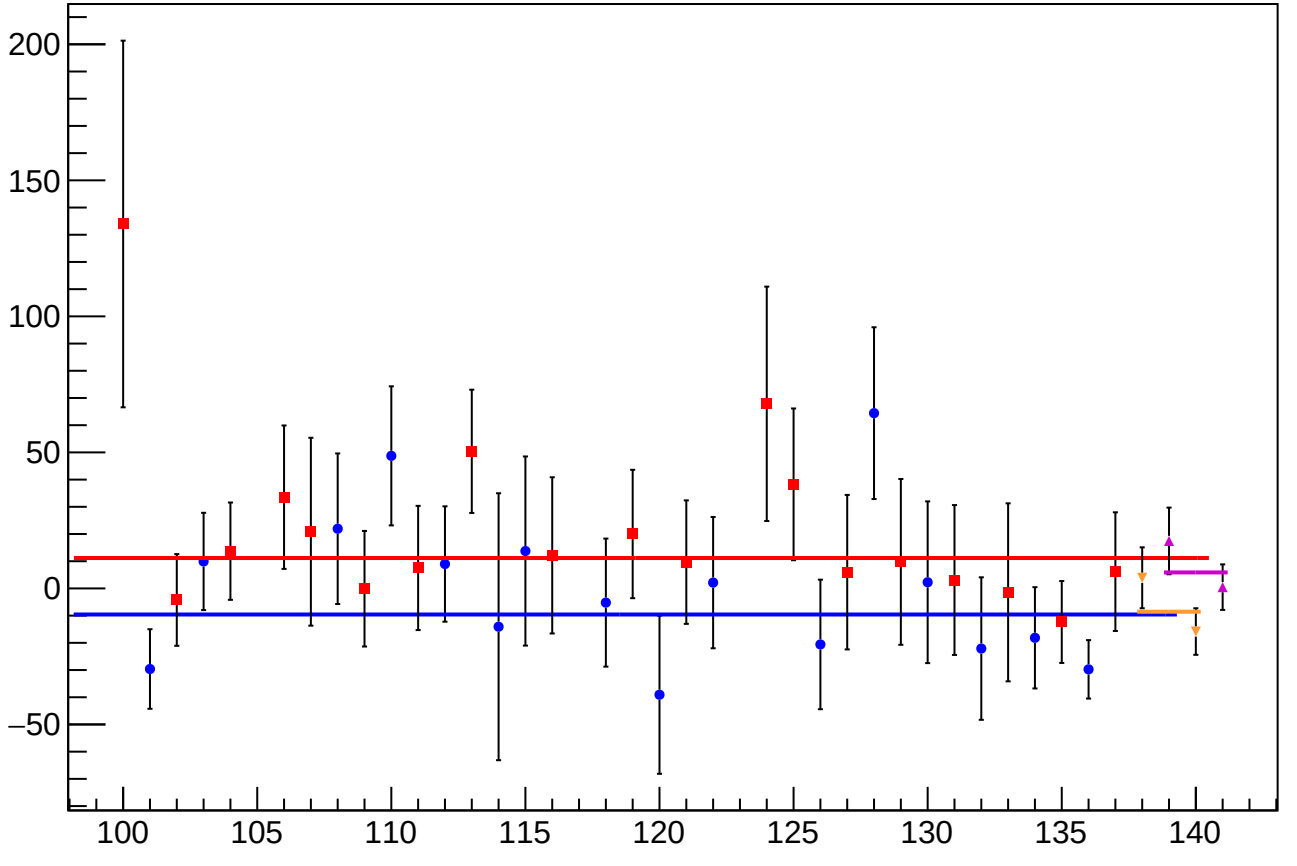
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.013+/-0.000 χ^2/NDF:1333552.3/17

Out: 0.012+/-0.000 χ^2/NDF:1868244.6/20

All: 0.013+/-0.000 χ^2/NDF: 3202287.2/38

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -8.565+/-6.800 χ^2/NDF:2.0/1

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 5.876+/-6.912 χ^2/NDF:1.3/1

Left: -1.463+/-4.847 χ^2/NDF: 5.5/3

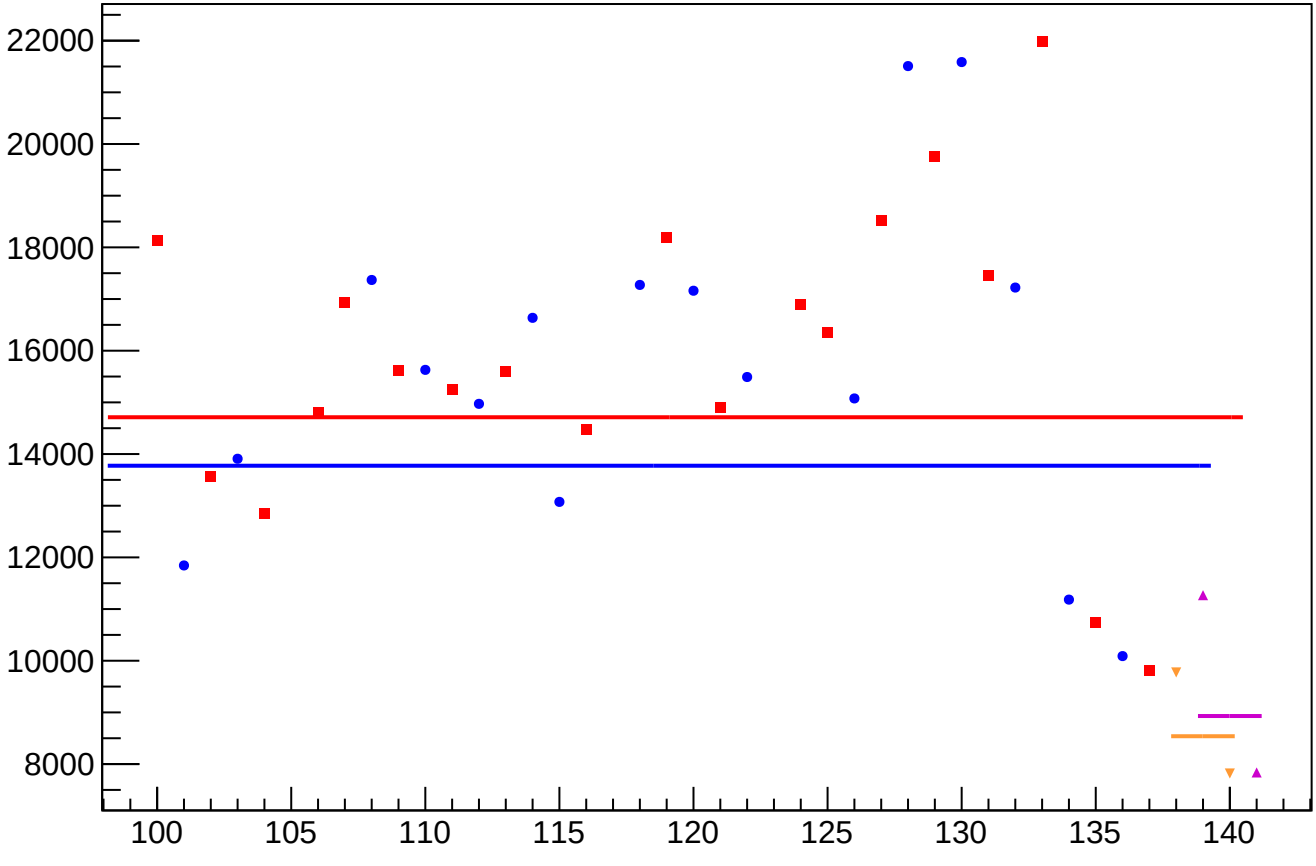
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -3.871+/-4.201 χ^2/NDF:26.4/17

Out: 3.374+/-4.275 χ^2/NDF:20.9/20

All: -0.311+/-2.996 χ^2/NDF: 48.8/38

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8538.959+/-4.808 χ^2/NDF:38504.8/1

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 8930.034+/-4.888 χ^2/NDF:106895.9/1

Left: 8731.282+/-3.428 χ^2/NDF: 148654.2/3

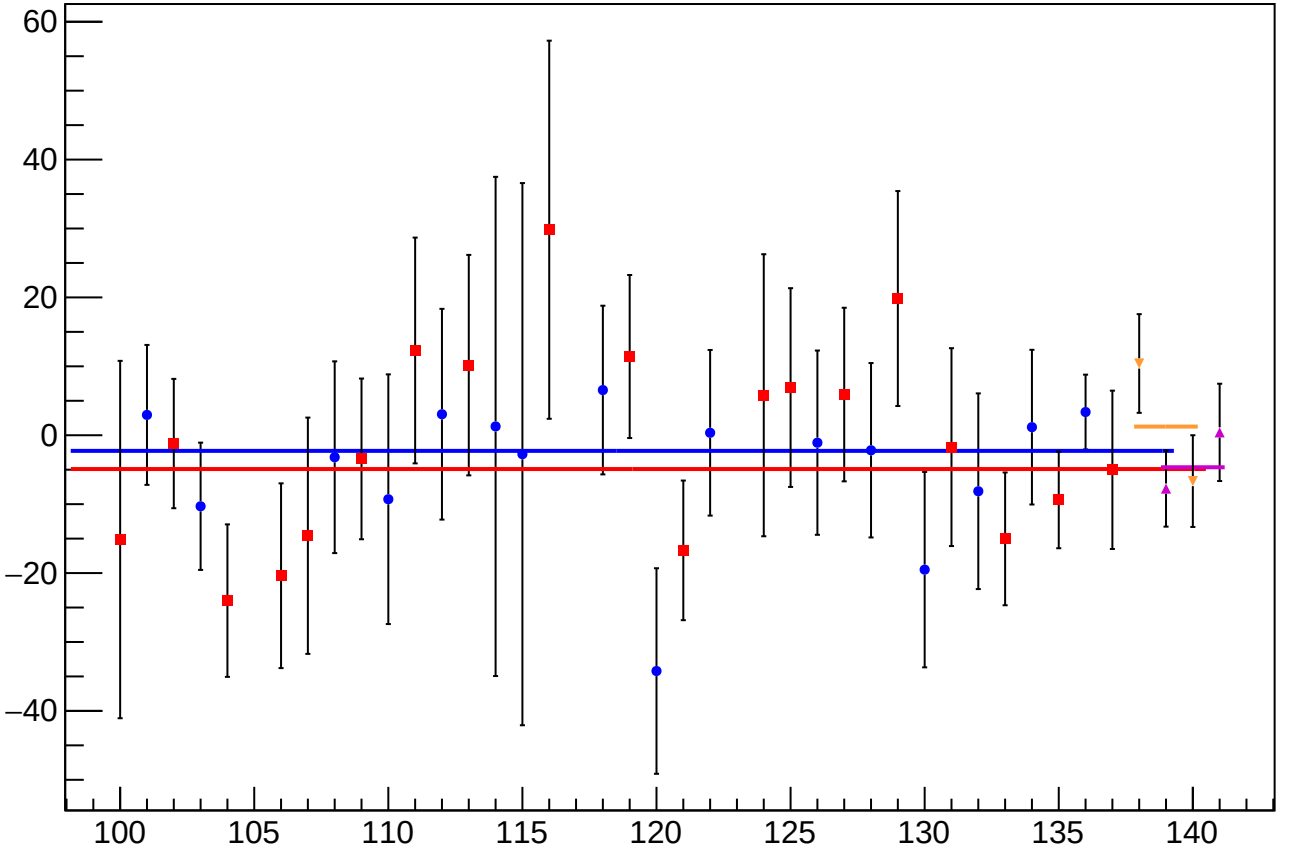
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 11984.480+/-2.971 χ^2/NDF:1473788.8/17

Out: 12272.180+/-3.023 χ^2/NDF:1592727.5/20

All: 12125.833+/-2.119 χ^2/NDF: 3071124.3/3

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 1.257+/-4.875 χ^2/NDF:3.0/1

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -4.647+/-4.349 χ^2/NDF:0.8/1

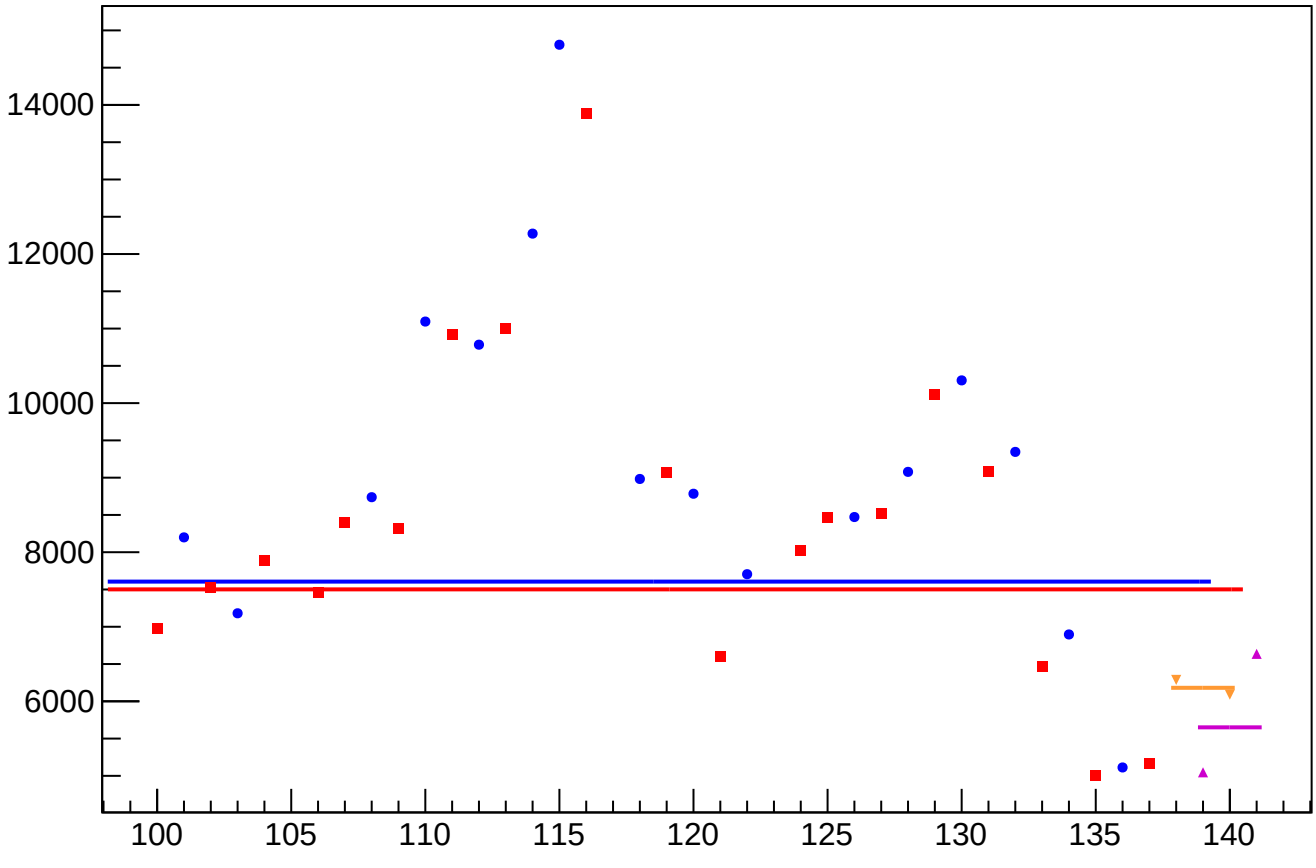
Left: -2.030+/-3.245 χ^2/NDF: 4.7/3

Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -3.007+/-2.425 χ^2/NDF:10.3/17

Out: -3.346+/-2.451 χ^2/NDF:21.8/20

All: -3.175+/-1.724 χ^2/NDF: 32.2/38



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6181.032+/-3.447 χ^2/NDF:816.4/1

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 5650.626+/-3.075 χ^2/NDF:62880.2/1

Left: 5885.720+/-2.295 χ^2/NDF: 76880.7/3

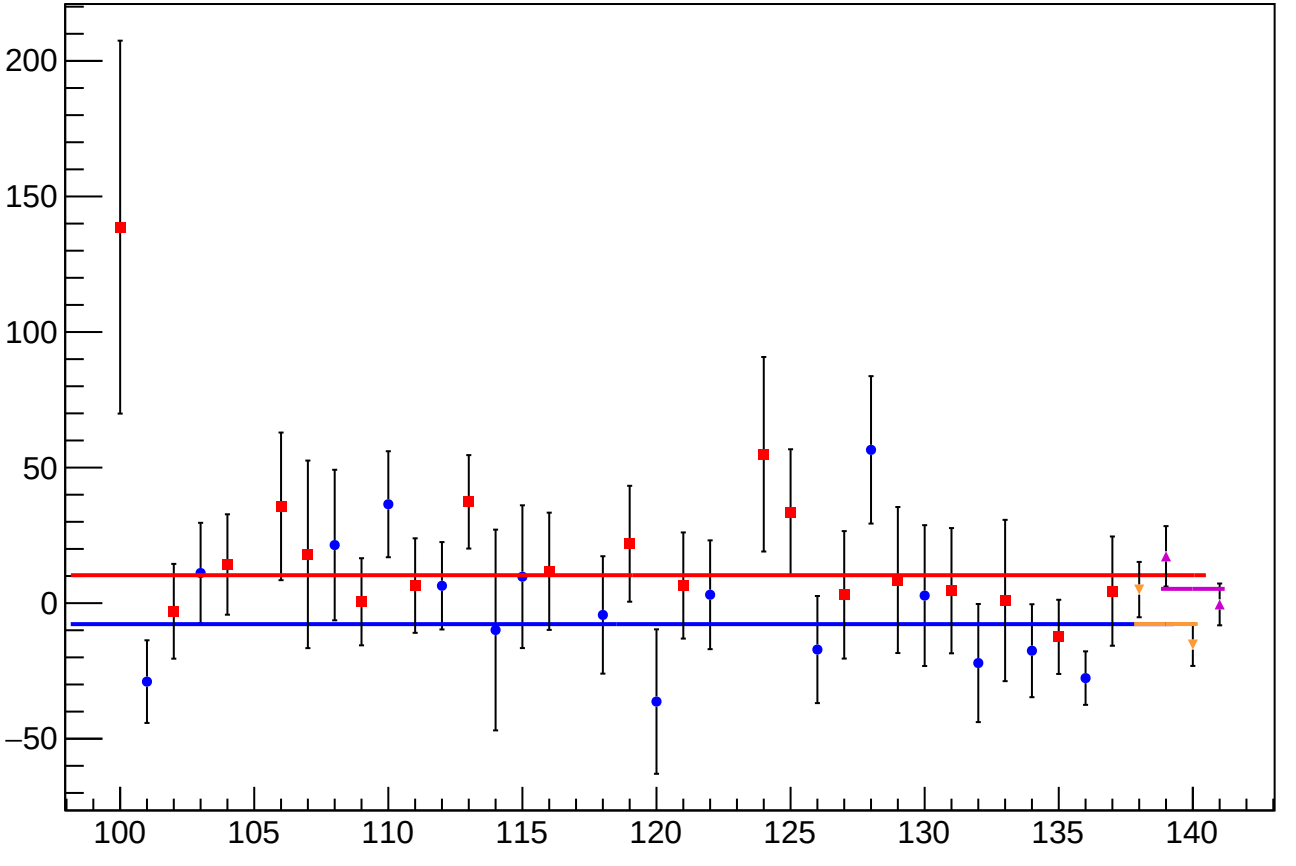
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6997.668+/-1.715 χ^2/NDF:1232824.2/17

Out: 7167.597+/-1.733 χ^2/NDF:934027.4/20

All: 7081.733+/-1.219 χ^2/NDF: 2171708.1/38

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -7.704+/-6.235 χ^2/NDF:2.5/1

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 5.271+/-6.340 χ^2/NDF:1.7/1

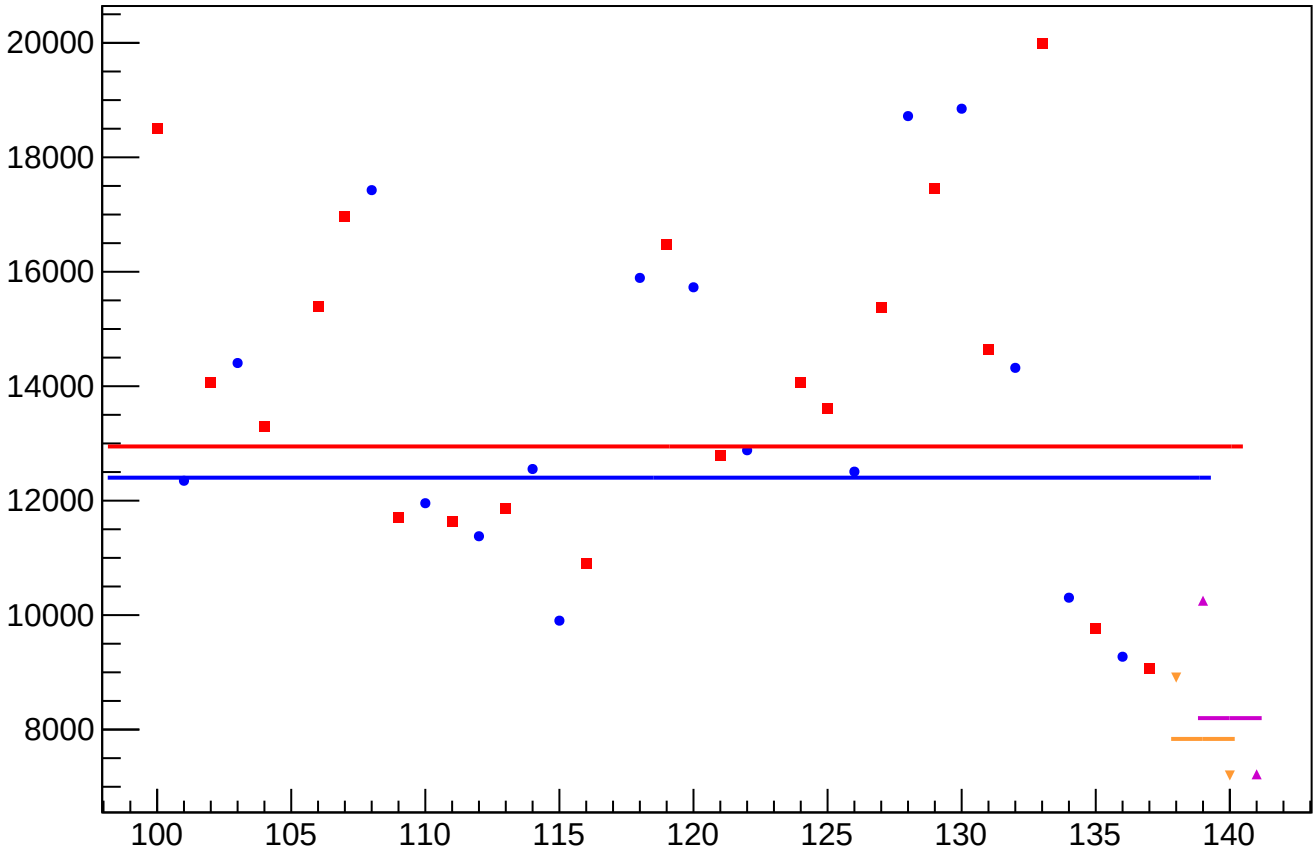
Left: -1.325+/-4.446 χ^2/NDF: 6.3/3

Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -3.066+/-3.801 χ^2/NDF:27.1/17

Out: 3.536+/-3.823 χ^2/NDF:21.6/20

All: 0.216+/-2.695 χ^2/NDF: 50.2/38



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 7836.254+/-4.409 χ^2/NDF:35236.3/1

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8199.658+/-4.483 χ^2/NDF:100213.4/1

Left: 8014.921+/-3.144 χ^2/NDF: 138789.7/3

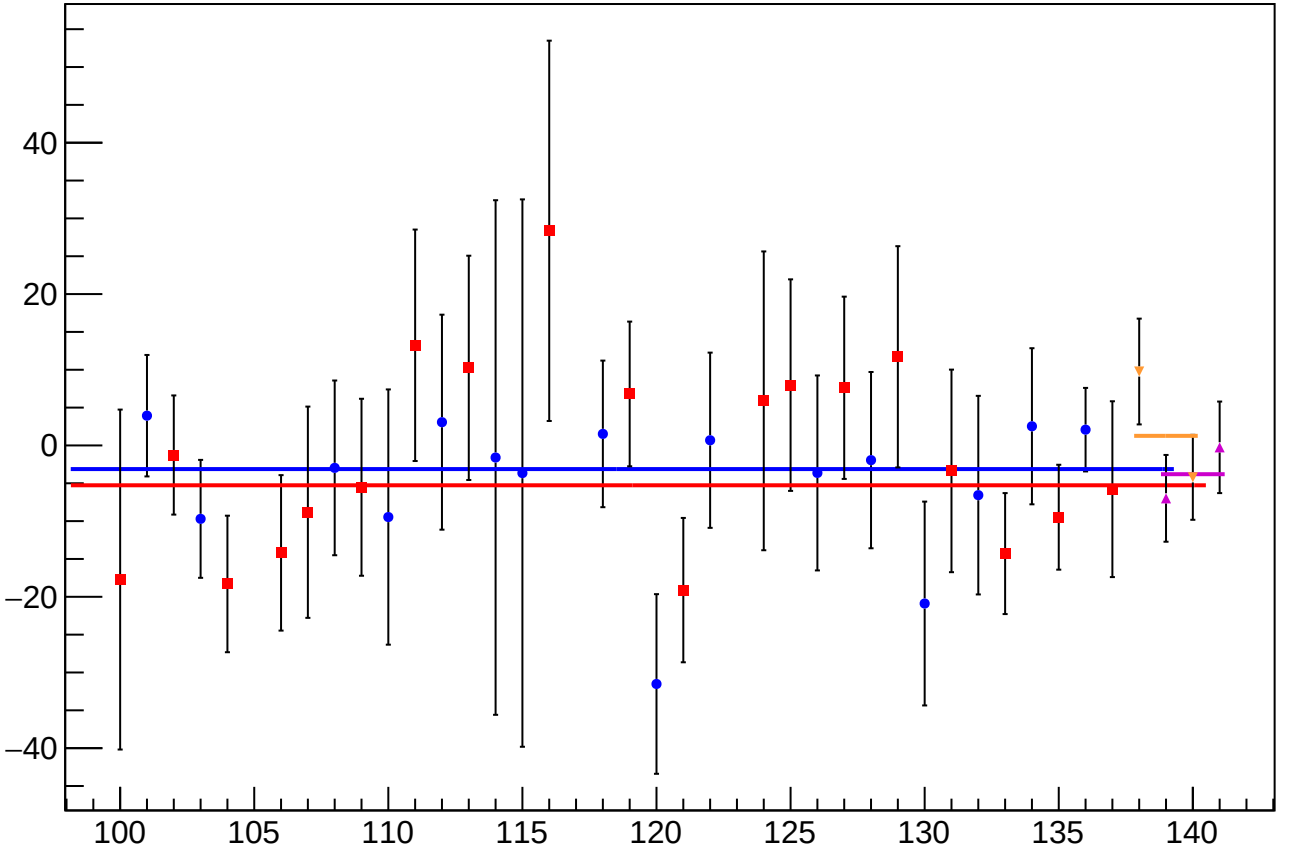
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 10891.911+/-2.687 χ^2/NDF:1341361.1/17

Out: 11025.758+/-2.703 χ^2/NDF:1428999.2/20

All: 10958.437+/-1.906 χ^2/NDF: 2771593.2/3

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 1.267+/-4.376 χ^2/NDF:2.4/1

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -3.800+/-4.161 χ^2/NDF:0.7/1

Left: -1.394+/-3.015 χ^2/NDF: 3.8/3

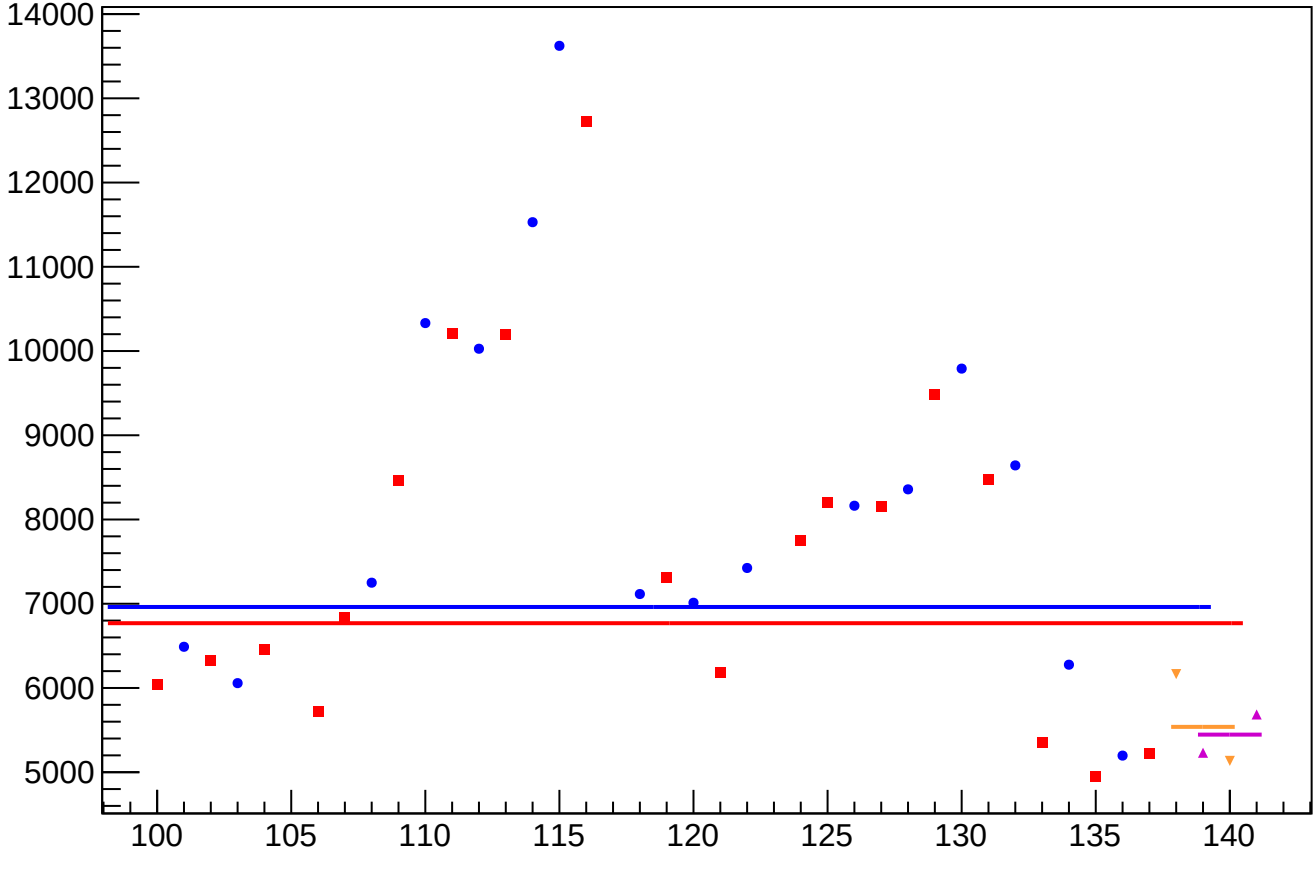
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -3.319+/-2.239 χ^2/NDF:11.6/17

Out: -3.606+/-2.205 χ^2/NDF:21.0/20

All: -3.465+/-1.571 χ^2/NDF: 32.6/38

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5538.323+/-3.094 χ^2/NDF:26419.7/1

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 5446.335+/-2.942 χ^2/NDF:5949.0/1

Left: 5490.016+/-2.132 χ^2/NDF: 32832.9/3

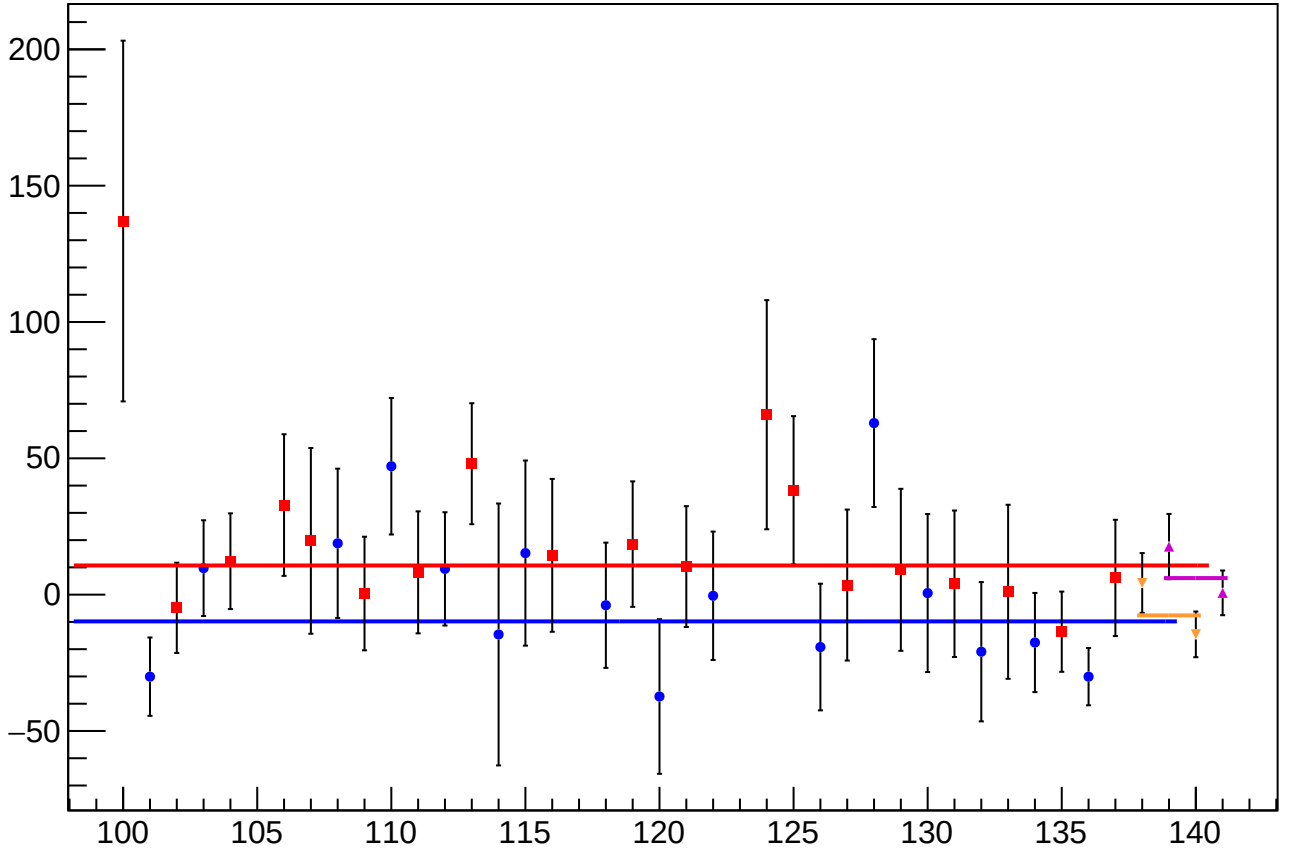
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6523.021+/-1.583 χ^2/NDF:890822.8/17

Out: 6456.440+/-1.559 χ^2/NDF:942550.3/20

All: 6489.229+/-1.111 χ^2/NDF: 1834271.0/38

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -7.604+/-6.654 χ^2/NDF:1.9/1

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 6.076+/-6.762 χ^2/NDF:1.4/1

Left: -0.875+/-4.743 χ^2/NDF: 5.3/3

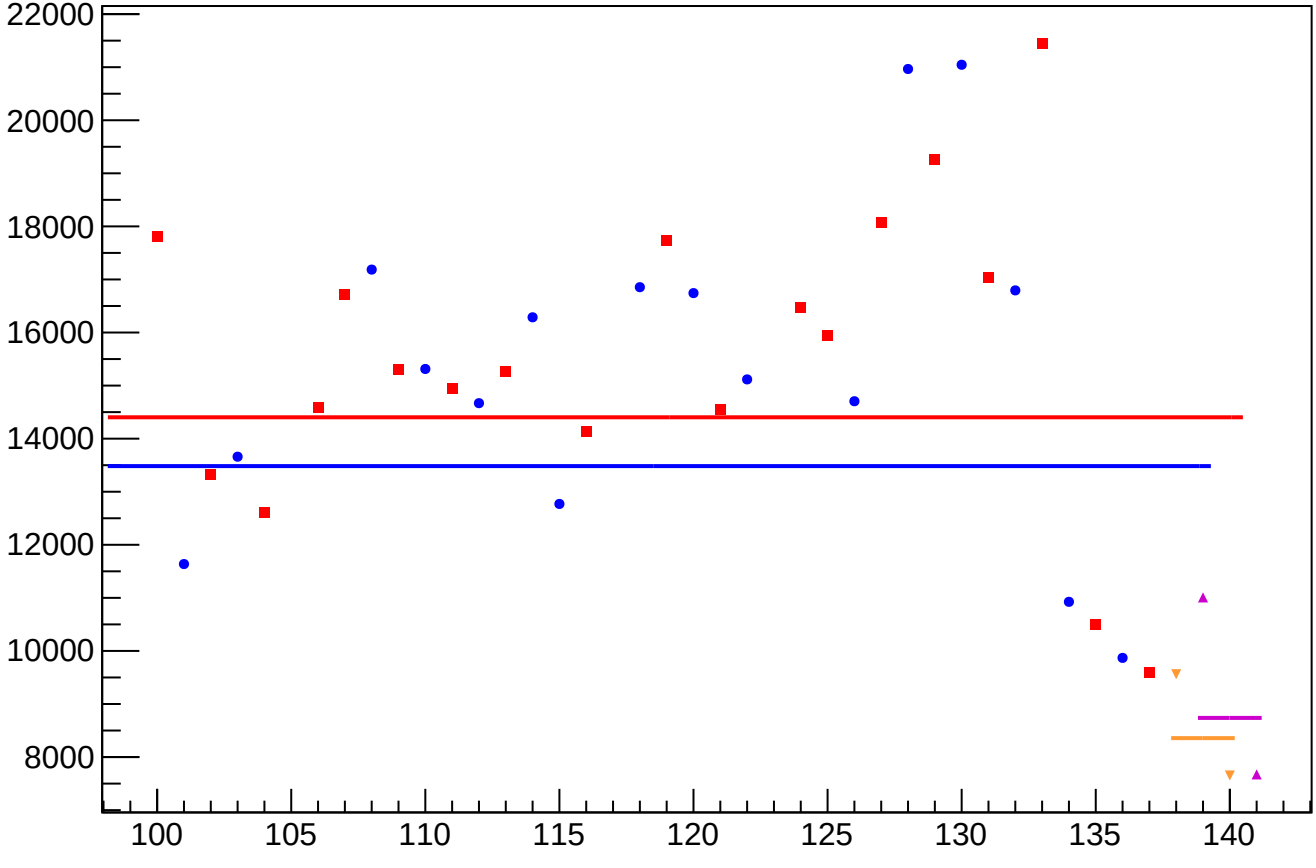
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -3.938+/-4.111 χ^2/NDF:26.9/17

Out: 3.465+/-4.184 χ^2/NDF:20.8/20

All: -0.302+/-2.932 χ^2/NDF: 49.2/38

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8356.955+/-4.705 χ^2/NDF:38281.1/1

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8738.001+/-4.782 χ^2/NDF:105703.5/1

Left: 8544.399+/-3.354 χ^2/NDF: 147211.2/3

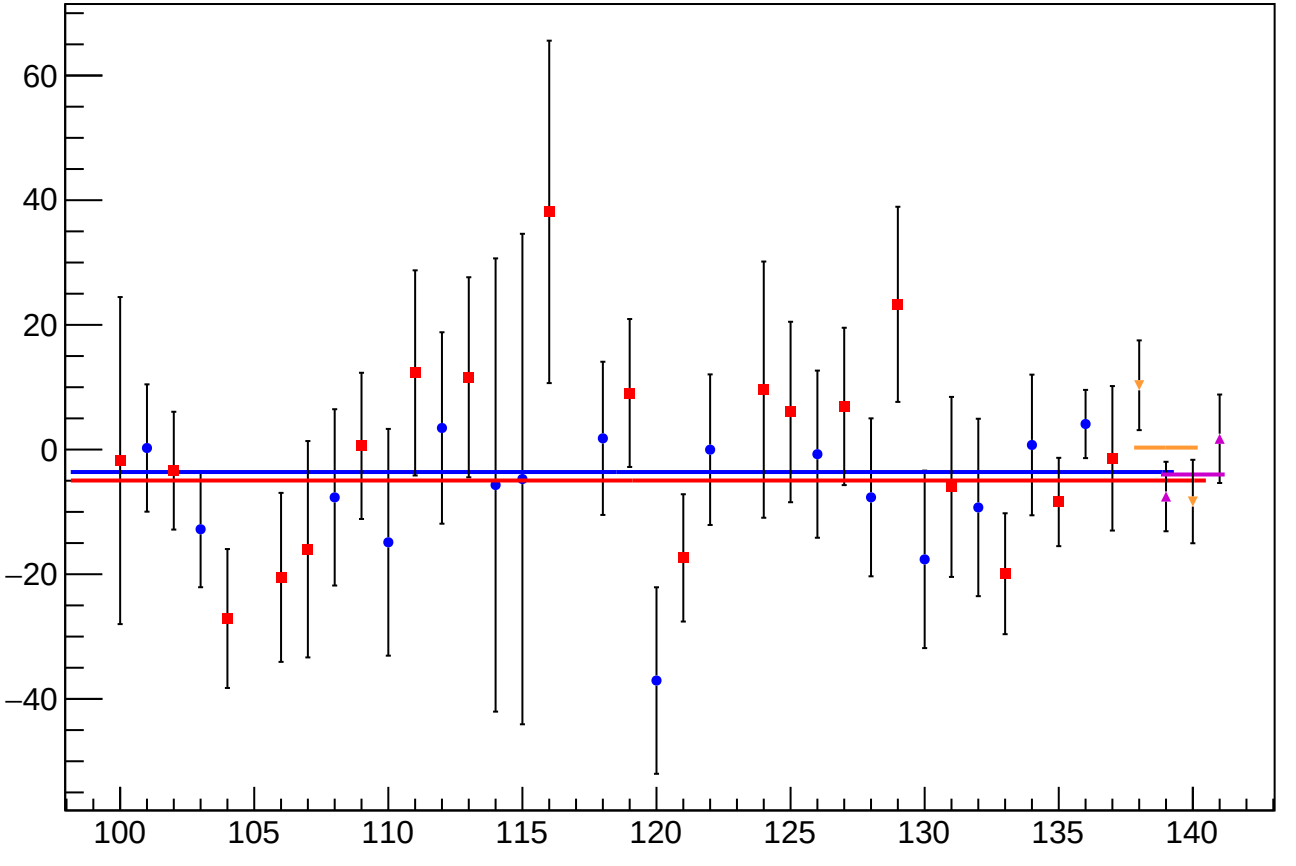
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 11729.059+/-2.907 χ^2/NDF:1470142.6/17

Out: 12012.344+/-2.958 χ^2/NDF:1589045.3/20

All: 11868.221+/-2.074 χ^2/NDF: 3063852.8/3

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 0.314+/-4.901 χ^2/NDF:3.6/1

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -4.001+/-4.381 χ^2/NDF:1.1/1

Left: -2.085+/-3.266 χ^2/NDF: 5.1/3

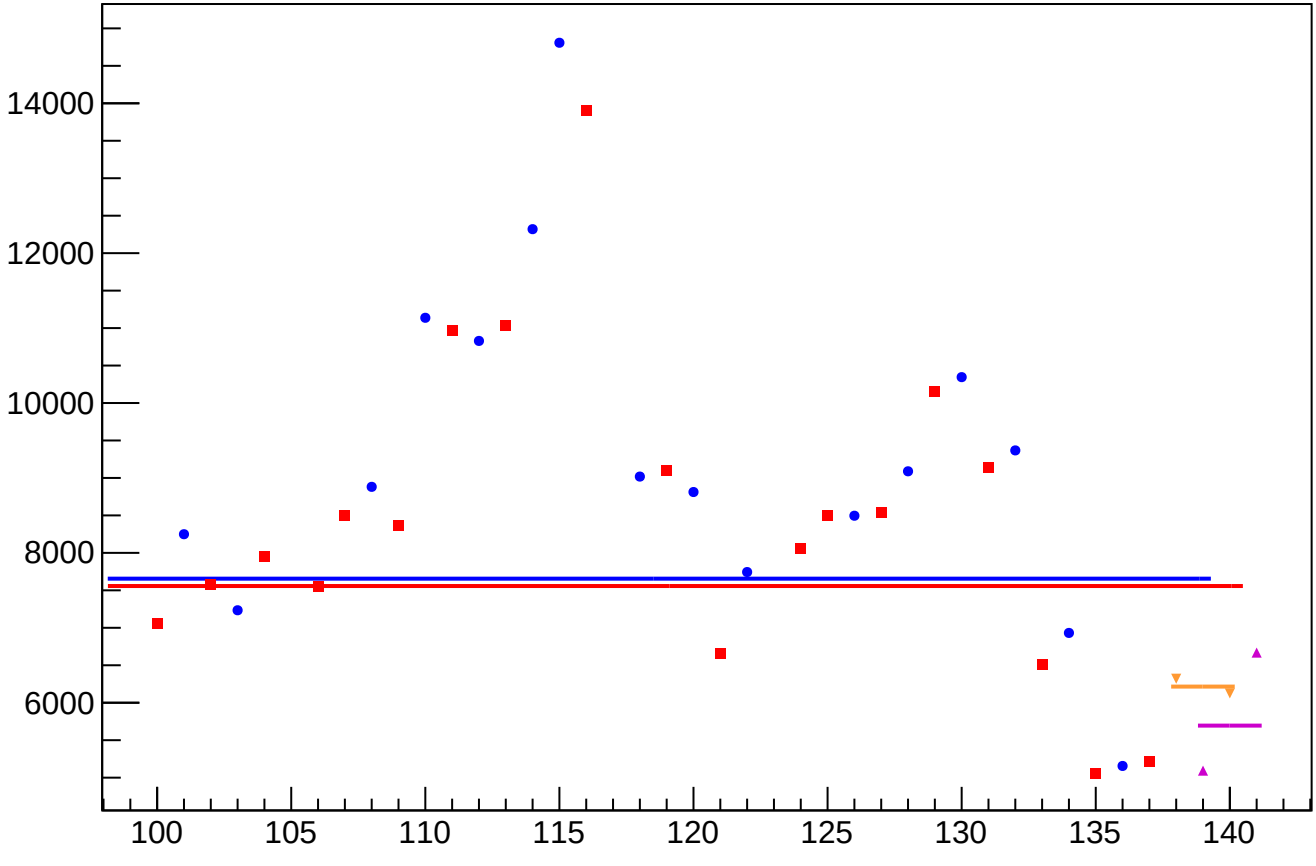
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -3.728+/-2.441 χ^2/NDF:11.5/17

Out: -3.627+/-2.467 χ^2/NDF:25.8/20

All: -3.678+/-1.735 χ^2/NDF: 37.4/38

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6215.400+/-3.466 χ^2/NDF:791.6/1

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 5694.543+/-3.098 χ^2/NDF:61006.1/1

Left: 5925.890+/-2.310 χ^2/NDF: 74353.1/3

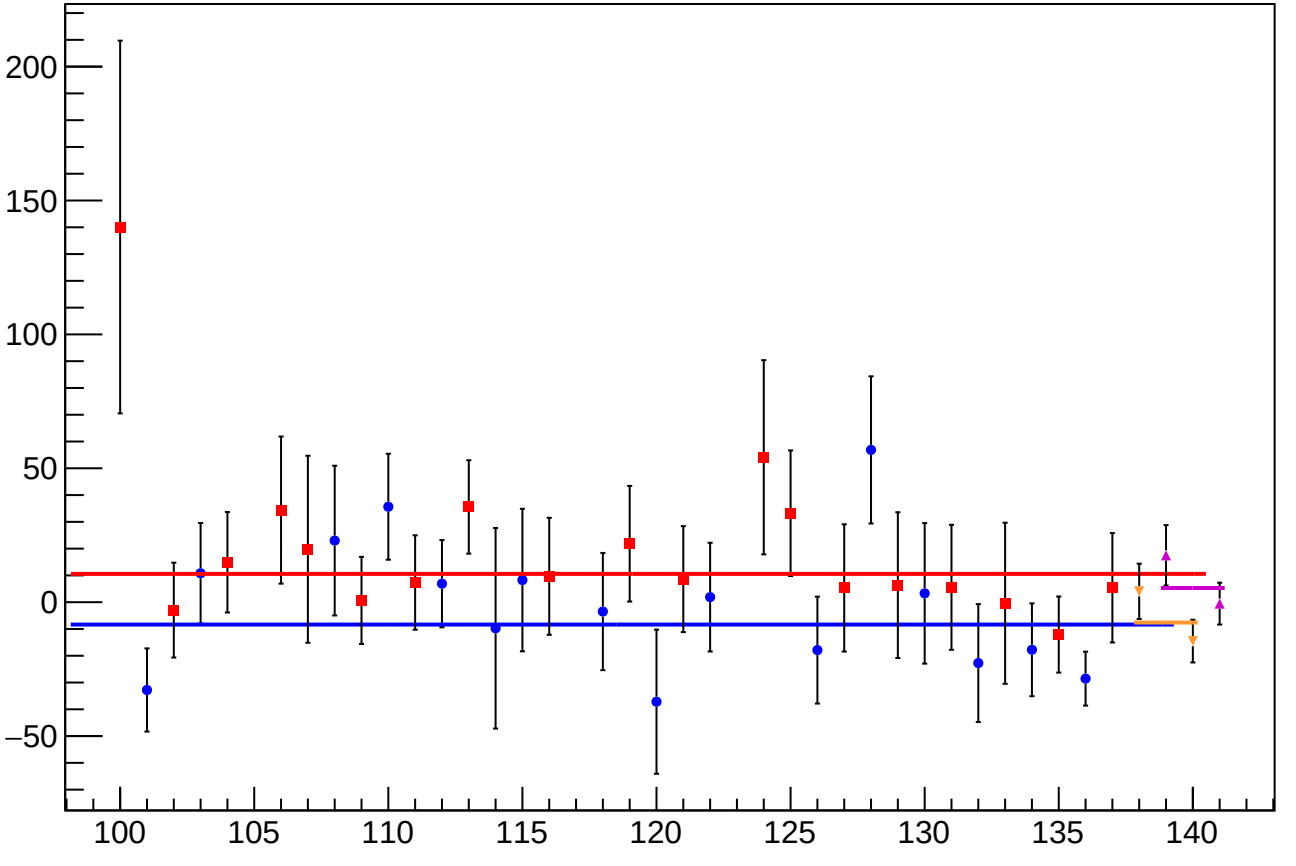
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7046.894+/-1.726 χ^2/NDF:1217141.1/17

Out: 7217.386+/-1.745 χ^2/NDF:922619.4/20

All: 7131.238+/-1.227 χ^2/NDF: 2144586.2/38

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -7.591+/-6.308 χ^2/NDF:2.0/1

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 5.297+/-6.424 χ^2/NDF:1.7/1

Left: -1.264+/-4.501 χ^2/NDF: 5.8/3

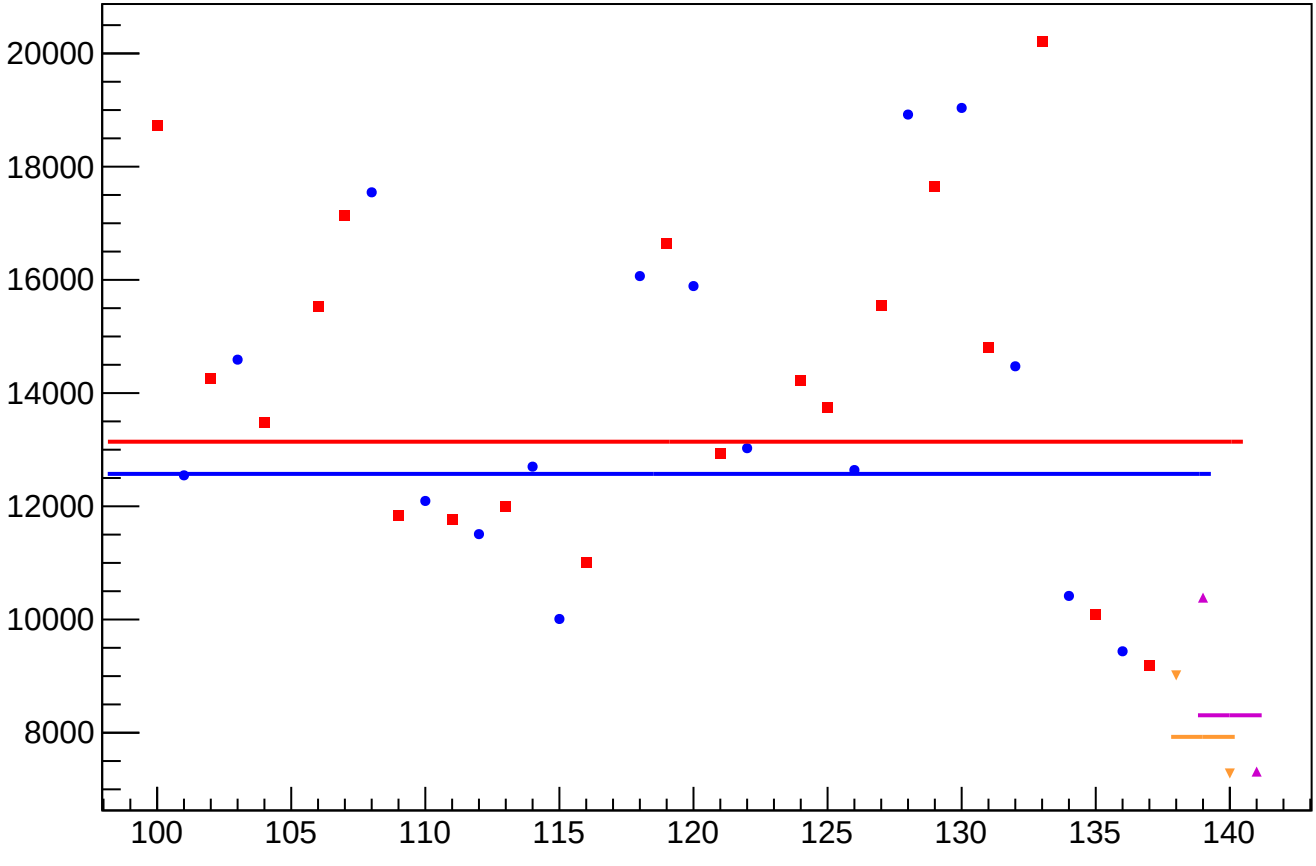
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -3.444+/-3.852 χ^2/NDF:27.9/17

Out: 3.719+/-3.875 χ^2/NDF:20.1/20

All: 0.116+/-2.732 χ^2/NDF: 49.7/38

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 7926.993+/-4.460 χ^2/NDF:35310.5/1

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8308.236+/-4.543 χ^2/NDF:100167.5/1

Left: 8114.133+/-3.183 χ^2/NDF: 139064.0/3

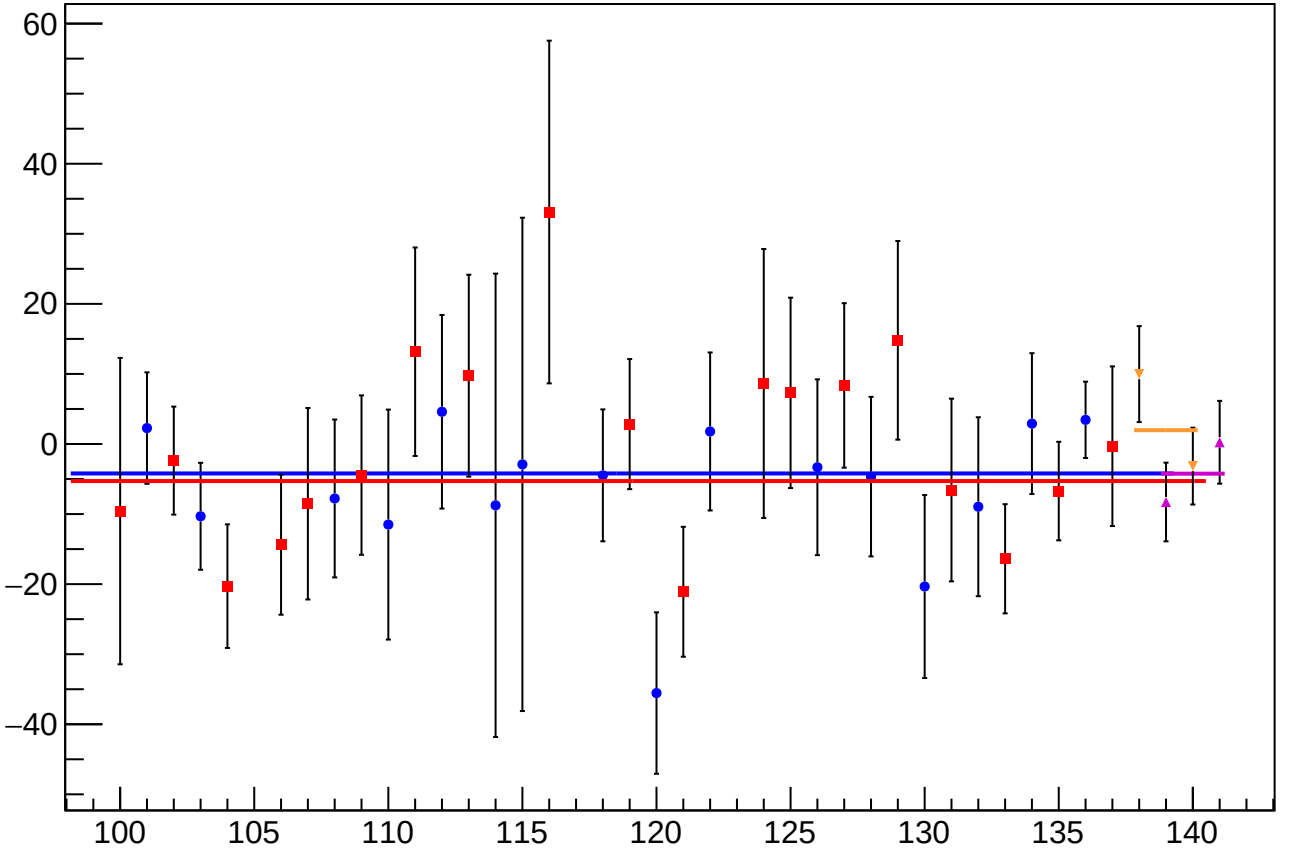
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 11039.231+/-2.724 χ^2/NDF:1329558.2/17

Out: 11173.518+/-2.740 χ^2/NDF:1420898.4/20

All: 11105.979+/-1.932 χ^2/NDF: 2751664.7/3

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 1.973+/-4.280 χ^2/NDF:2.2/1

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -4.235+/-4.070 χ^2/NDF:1.1/1

Left: -1.287+/-2.949 χ^2/NDF: 4.4/3

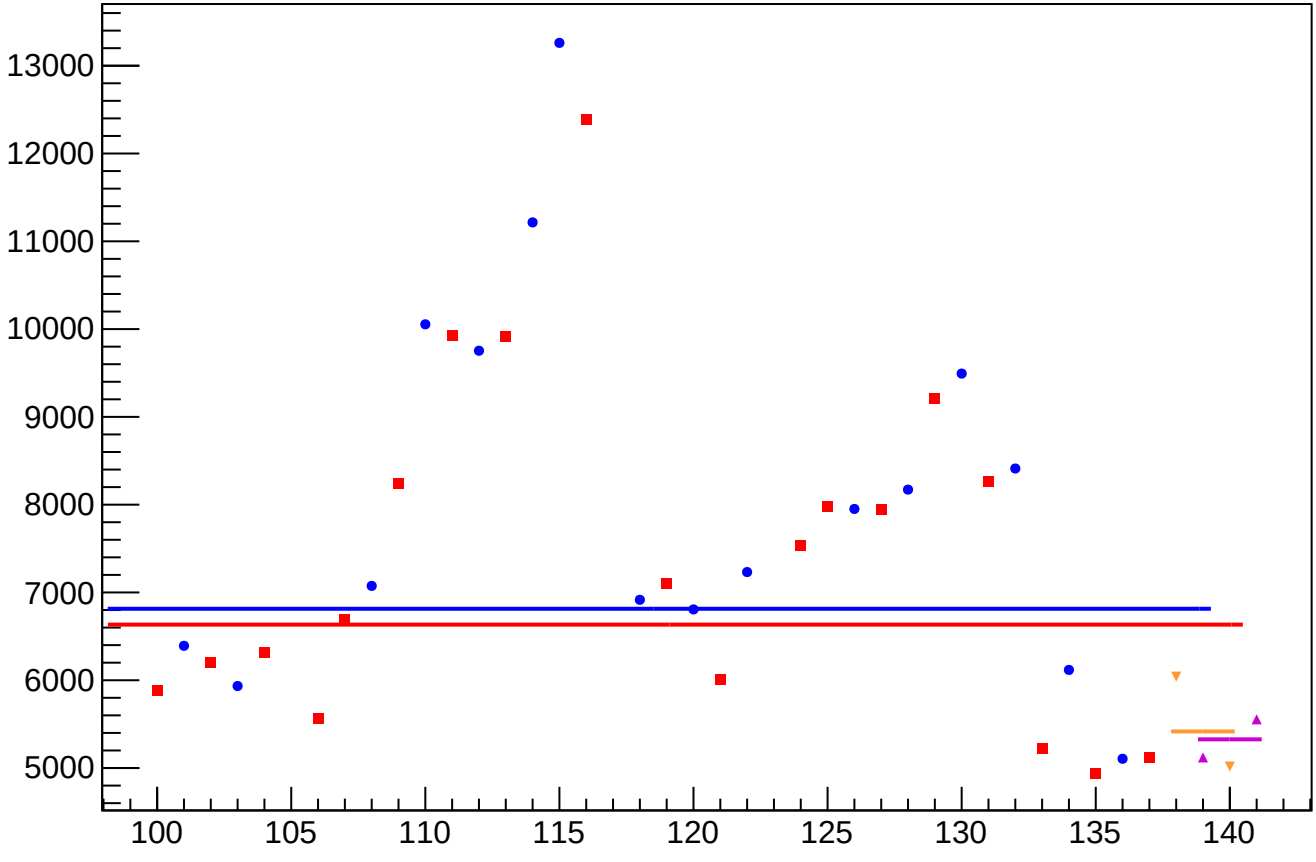
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -4.213+/-2.191 χ^2/NDF:15.0/17

Out: -3.438+/-2.160 χ^2/NDF:24.1/20

All: -3.820+/-1.538 χ^2/NDF: 39.1/38

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5416.856+/-3.027 χ^2/NDF:27238.2/1

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5326.889+/-2.878 χ^2/NDF:5664.5/1

Left: 5369.606+/-2.086 χ^2/NDF: 33366.8/3

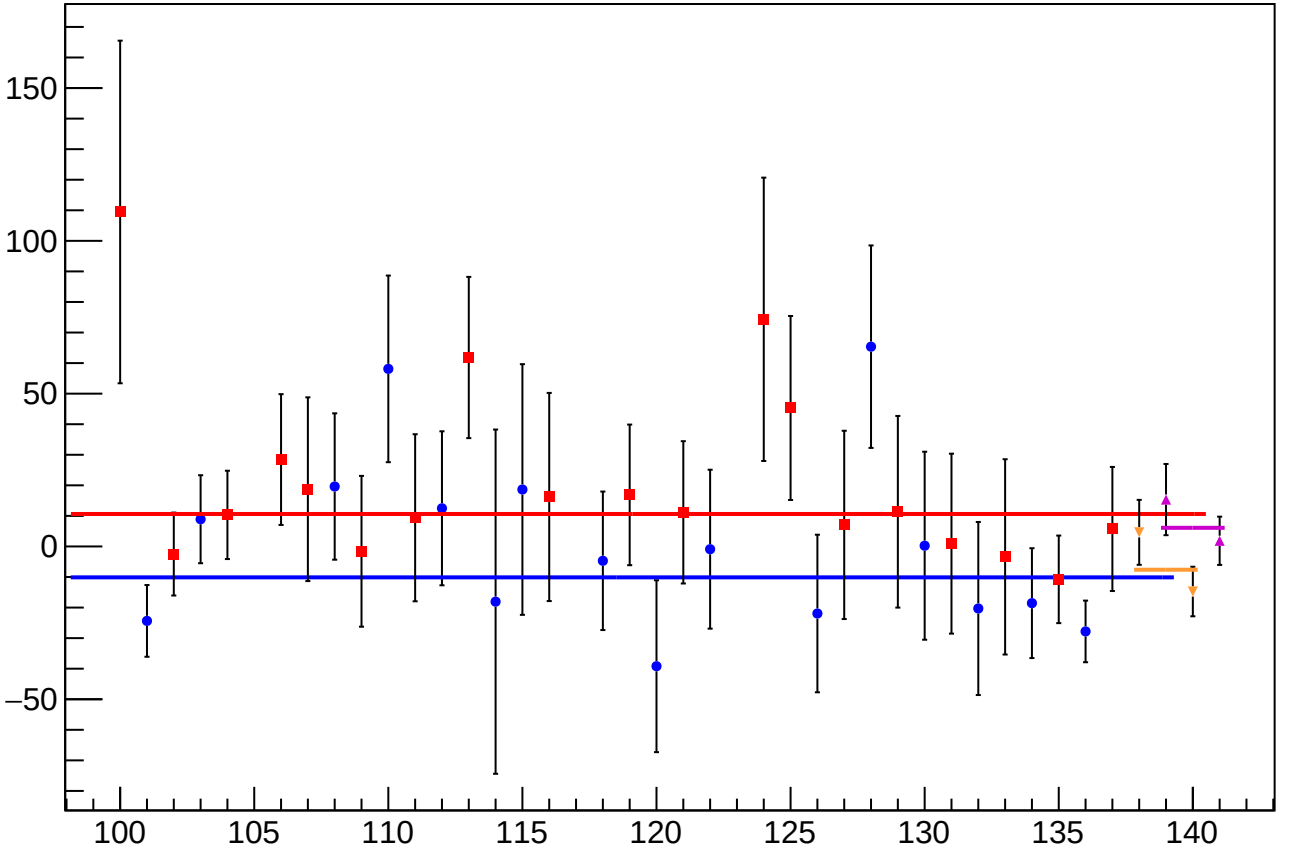
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6383.090+/-1.549 χ^2/NDF:869455.8/17

Out: 6323.797+/-1.527 χ^2/NDF:911062.6/20

All: 6353.018+/-1.088 χ^2/NDF: 1781261.1/38

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -7.617+/-6.445 χ^2/NDF:2.1/1

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 6.097+/-6.536 χ^2/NDF:0.9/1

Left: -0.855+/-4.589 χ^2/NDF: 5.2/3

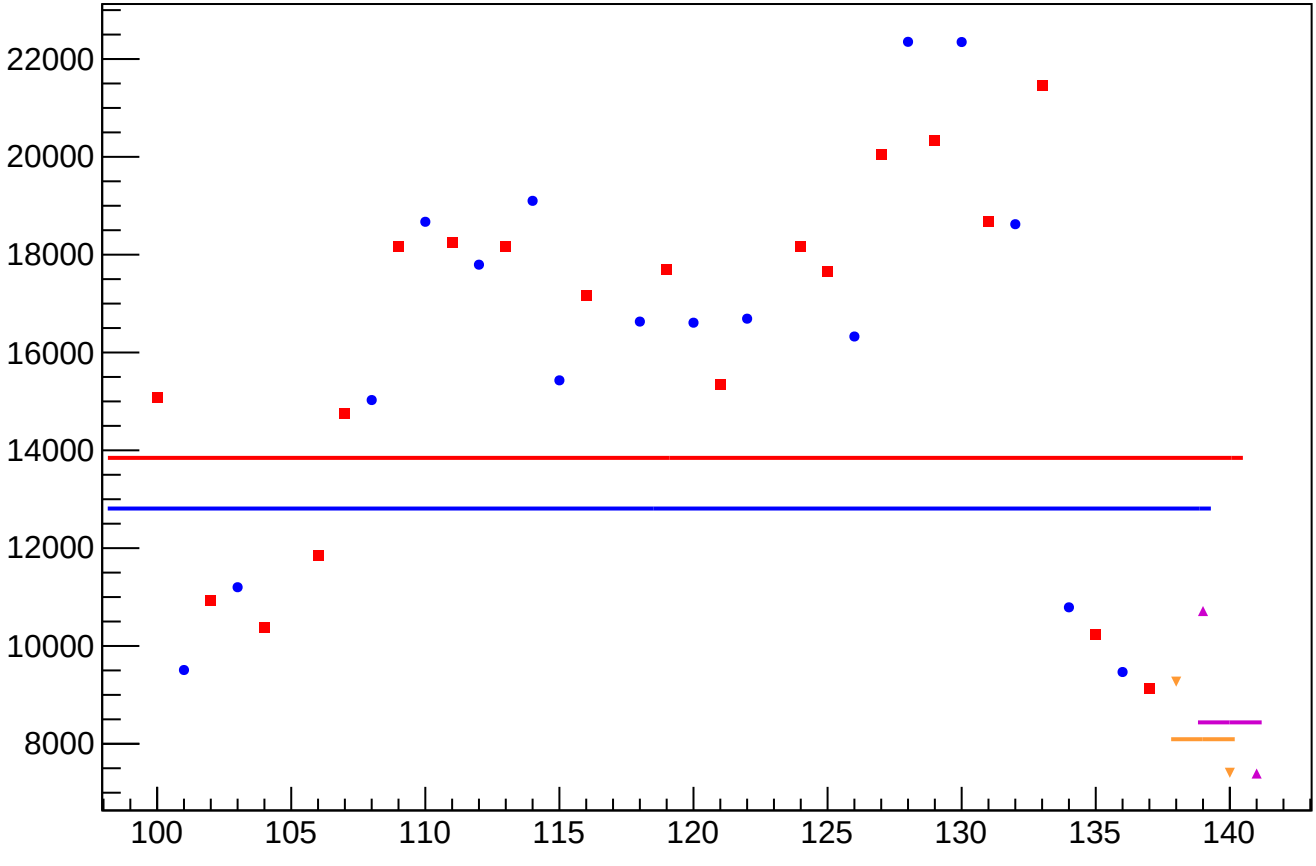
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -4.102+/-3.980 χ^2/NDF:26.1/17

Out: 3.304+/-4.083 χ^2/NDF:21.6/20

All: -0.494+/-2.850 χ^2/NDF: 49.4/38

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8093.475+/-4.558 χ^2/NDF:38867.7/1

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8437.795+/-4.621 χ^2/NDF:111459.2/1

Left: 8263.242+/-3.245 χ^2/NDF: 153141.0/3

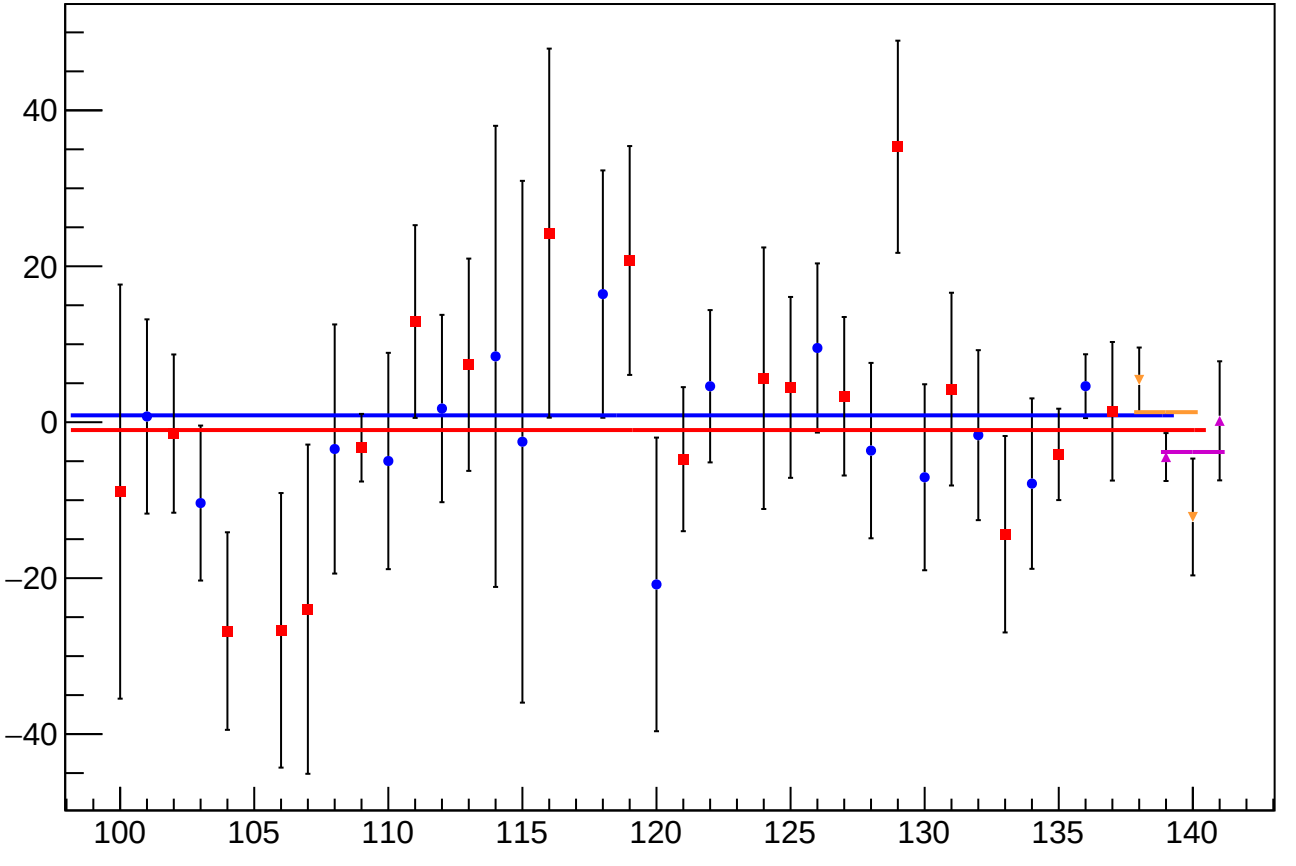
Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 11188.758+/-2.814 χ^2/NDF:1922878.9/17

Out: 11537.415+/-2.887 χ^2/NDF:2089127.6/20

All: 11358.626+/-2.015 χ^2/NDF: 4019485.1/3

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.290+/-3.633 χ^2/NDF:4.2/1

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -3.820+/-2.850 χ^2/NDF:0.3/1

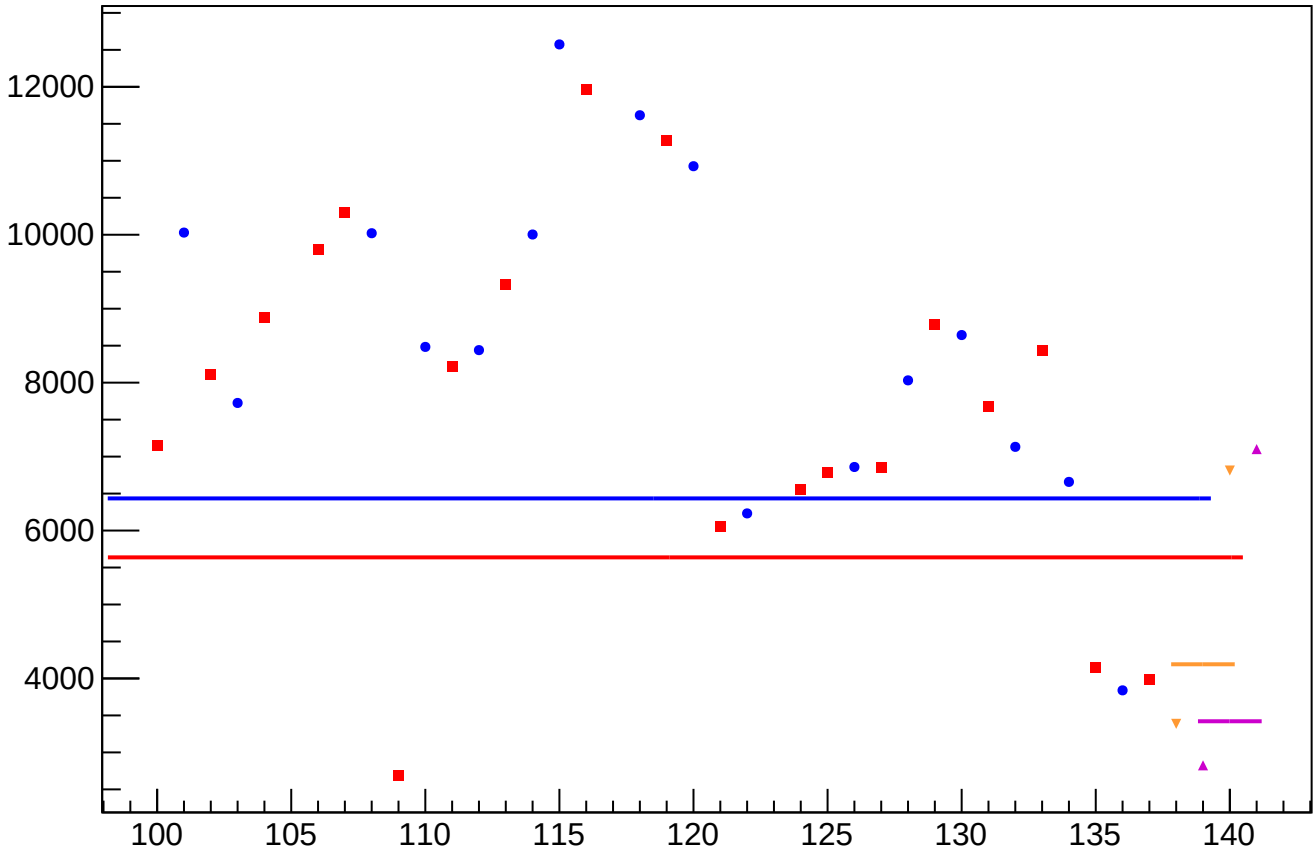
Left: -1.873+/-2.243 χ^2/NDF: 5.8/3

Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.223+/-1.907 χ^2/NDF:8.6/17

Out: -0.344+/-1.952 χ^2/NDF:26.8/20

All: -0.793+/-1.364 χ^2/NDF: 35.6/38



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 4191.699+/-2.569 χ^2/NDF:319702.5/1

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 3421.155+/-2.016 χ^2/NDF:539771.2/1

Left: 3714.707+/-1.586 χ^2/NDF: 915152.4/3

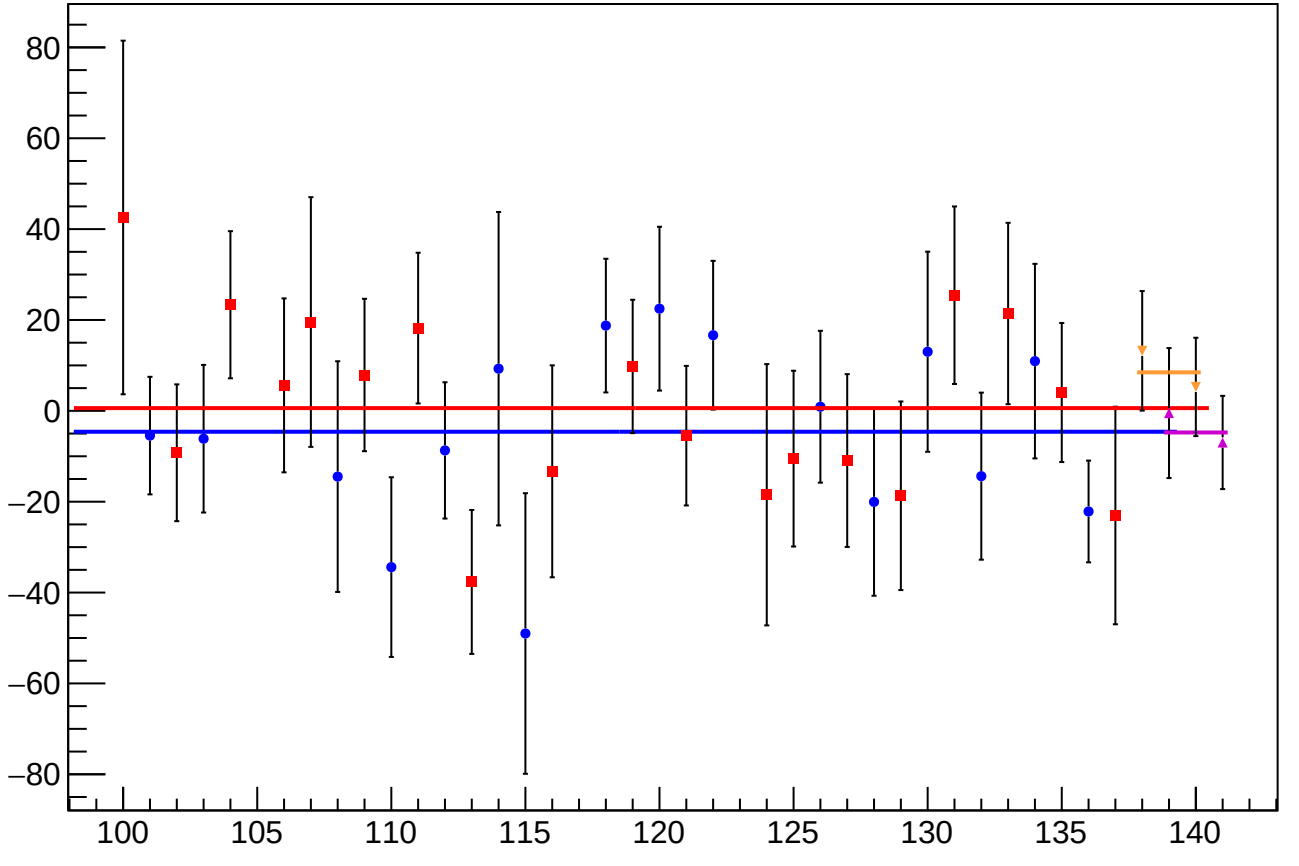
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5085.627+/-1.349 χ^2/NDF:3525018.8/17

Out: 5220.232+/-1.380 χ^2/NDF:3124963.7/20

All: 5151.374+/-0.965 χ^2/NDF: 6654848.9/38

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 8.470+/-8.360 χ^2/NDF:0.2/1

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -4.765+/-8.339 χ^2/NDF:0.1/1

Left: 1.836+/-5.904 χ^2/NDF: 1.6/3

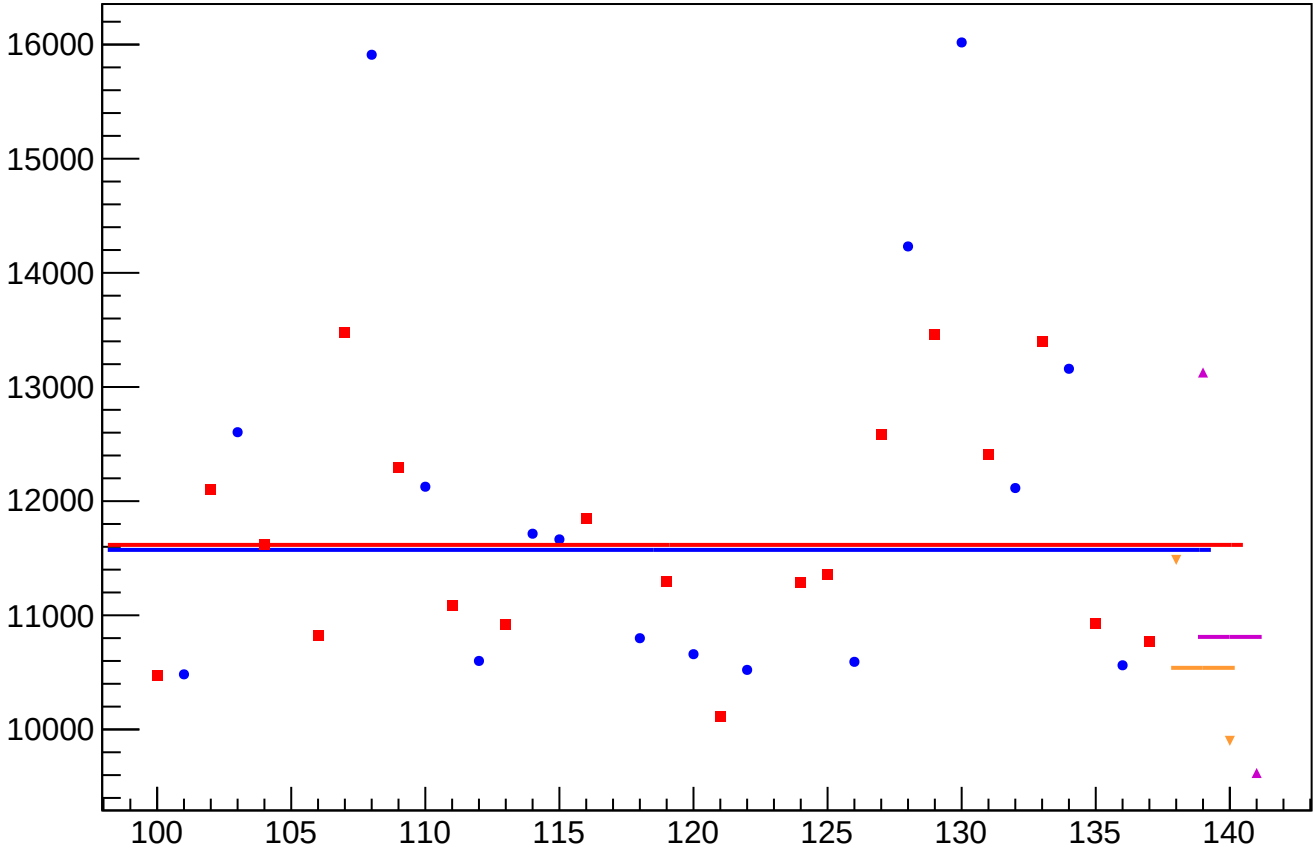
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -4.637+/-3.860 χ^2/NDF:15.9/17

Out: 2.226+/-3.800 χ^2/NDF:18.8/20

All: -1.152+/-2.708 χ^2/NDF: 36.3/38

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10539.751+/-5.911 χ^2/NDF:17305.8/1

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 10810.717+/-5.896 χ^2/NDF:79416.5/1

Left: 10675.573+/-4.175 χ^2/NDF: 97775.5/3

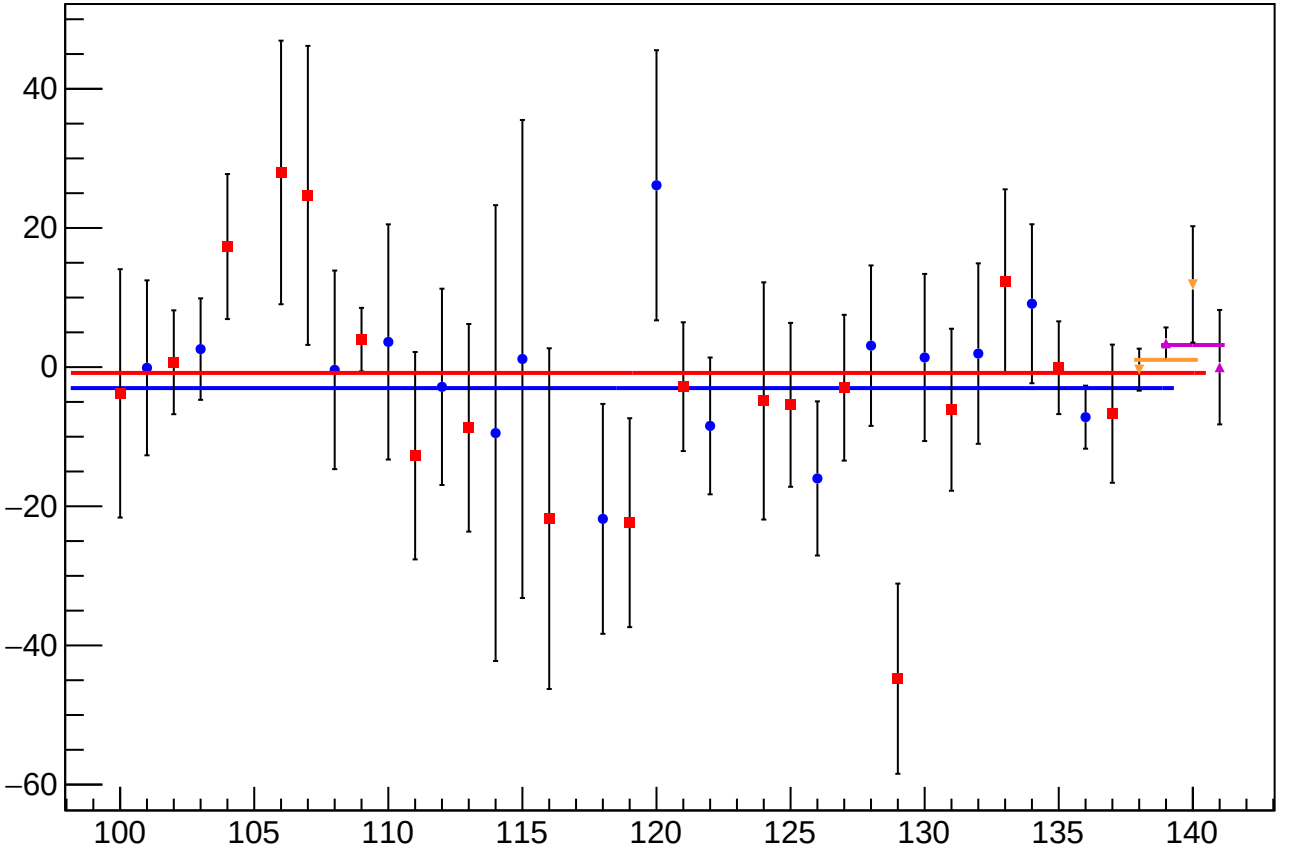
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11409.717+/-2.729 χ^2/NDF:352617.7/17

Out: 11394.210+/-2.687 χ^2/NDF:136808.3/20

All: 11401.842+/-1.915 χ^2/NDF: 489442.4/38

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 1.048+/-2.838 χ^2/NDF:1.9/1

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 3.178+/-2.197 χ^2/NDF:0.2/1

Left: 2.380+/-1.737 χ^2/NDF: 2.4/3

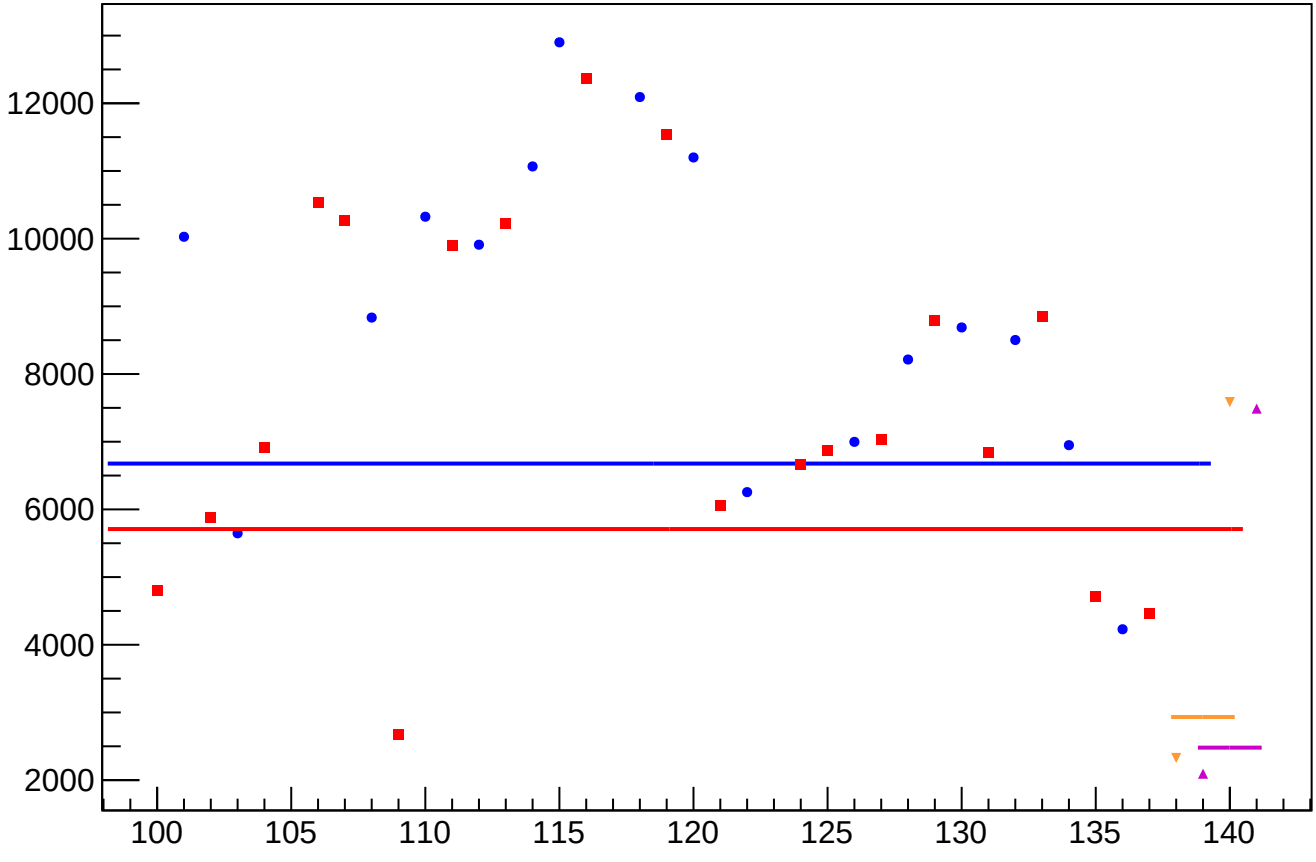
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.660+/-1.692 χ^2/NDF:12.0/17

Out: -0.066+/-1.811 χ^2/NDF:26.0/20

All: 0.321+/-1.236 χ^2/NDF: 38.1/38

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 2932.841+/-2.007 χ^2/NDF:698712.4/1

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 2480.308+/-1.554 χ^2/NDF:798908.6/1

Left: 2649.865+/-1.229 χ^2/NDF: 1529408.3/3

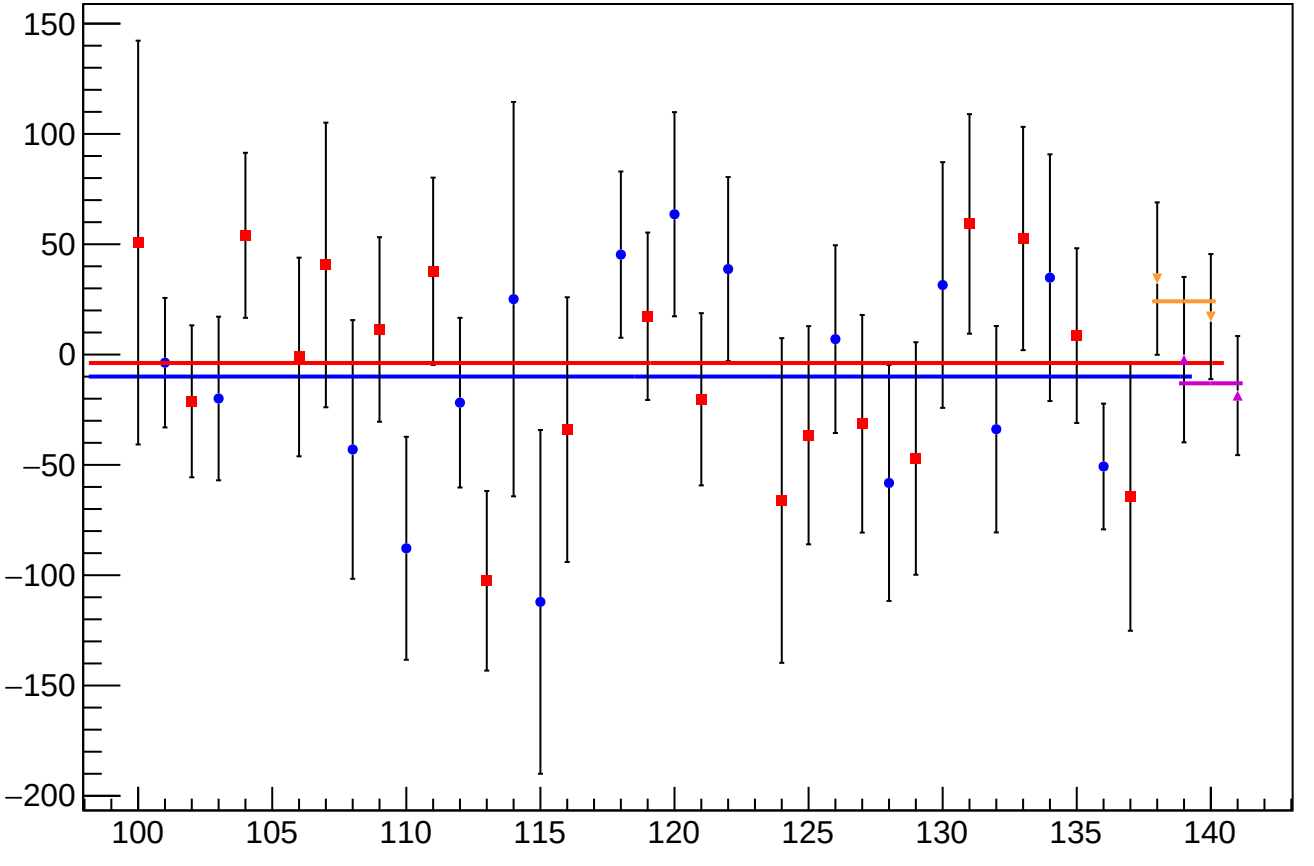
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4186.955+/-1.197 χ^2/NDF:5338866.0/17

Out: 4579.568+/-1.280 χ^2/NDF:4134886.8/20

All: 4370.005+/-0.874 χ^2/NDF: 9523932.7/38

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 24.144+/-21.917 χ^2/NDF:0.1/1

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -13.031+/-21.903 χ^2/NDF:0.1/1

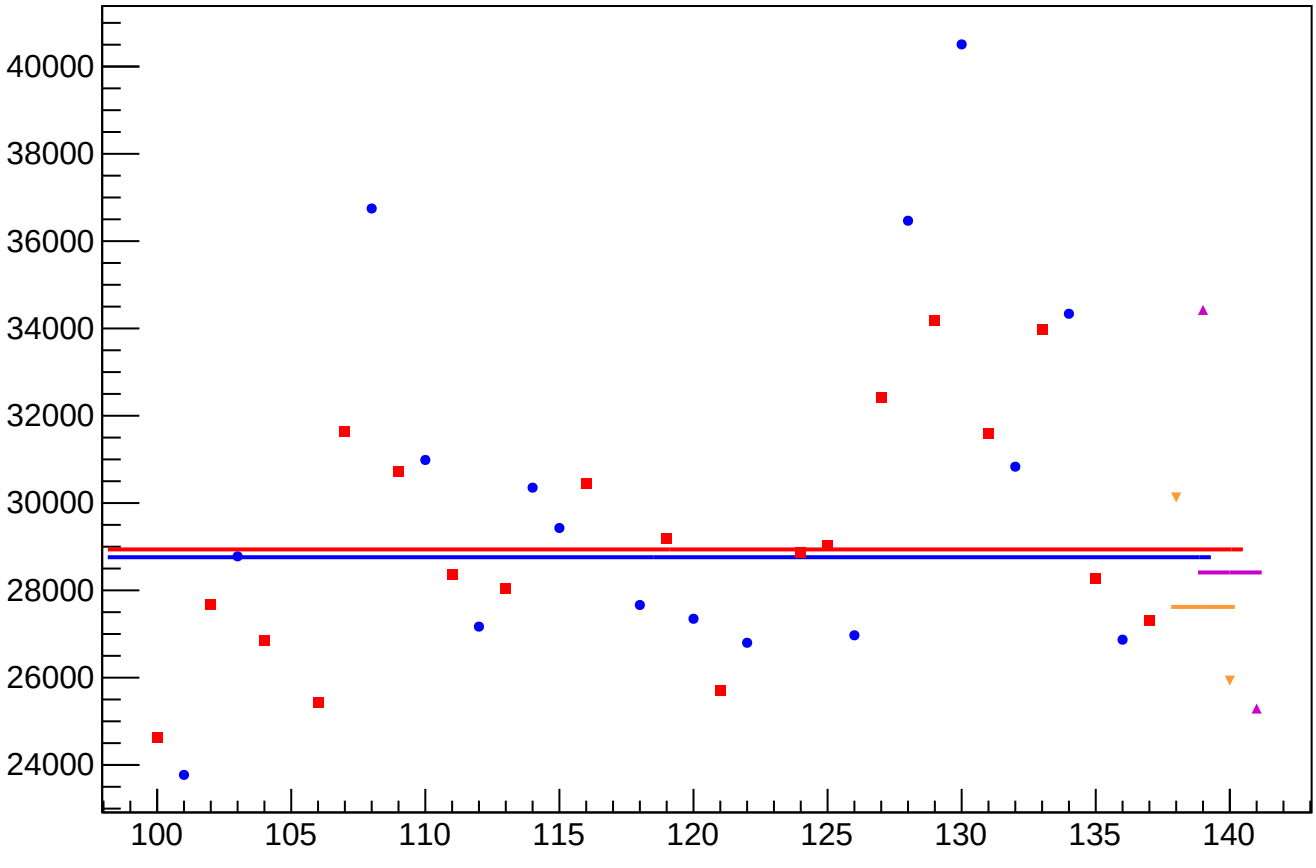
Left: 5.544+/-15.493 χ^2/NDF: 1.7/3

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

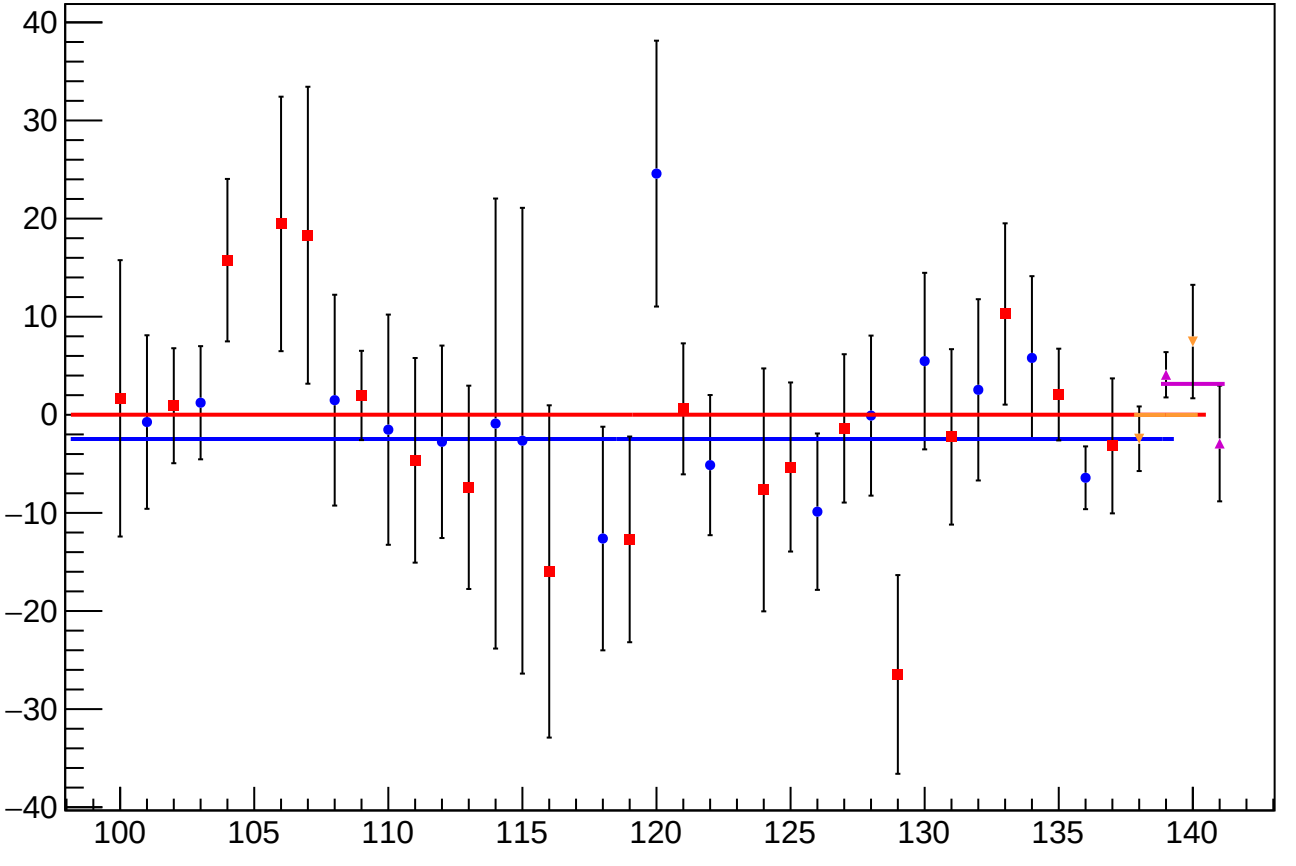
In: -10.571+/-9.713 χ^2/NDF:15.4/17

Out: 1.516+/-9.569 χ^2/NDF:18.8/20

All: -4.438+/-6.816 χ^2/NDF: 35.0/38


diff_bpm12X_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
105
110
115
120
125
130
135
140
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 27620.247+/-15.498 χ²/NDF:17634.8/1
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 28409.950+/-15.488 χ²/NDF:78168.4/1
Left: 28015.353+/-10.955 χ²/NDF: 97102.3/3
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28690.435+/-6.868 χ²/NDF:356216.5/17
Out: 28686.515+/-6.766 χ²/NDF:129749.3/20
All: 28688.446+/-4.820 χ²/NDF: 485966.0/38

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.016+/-2.861 χ^2/NDF:2.2/1

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 3.150+/-2.150 χ^2/NDF:1.2/1

Left: 2.008+/-1.719 χ^2/NDF: 4.2/3

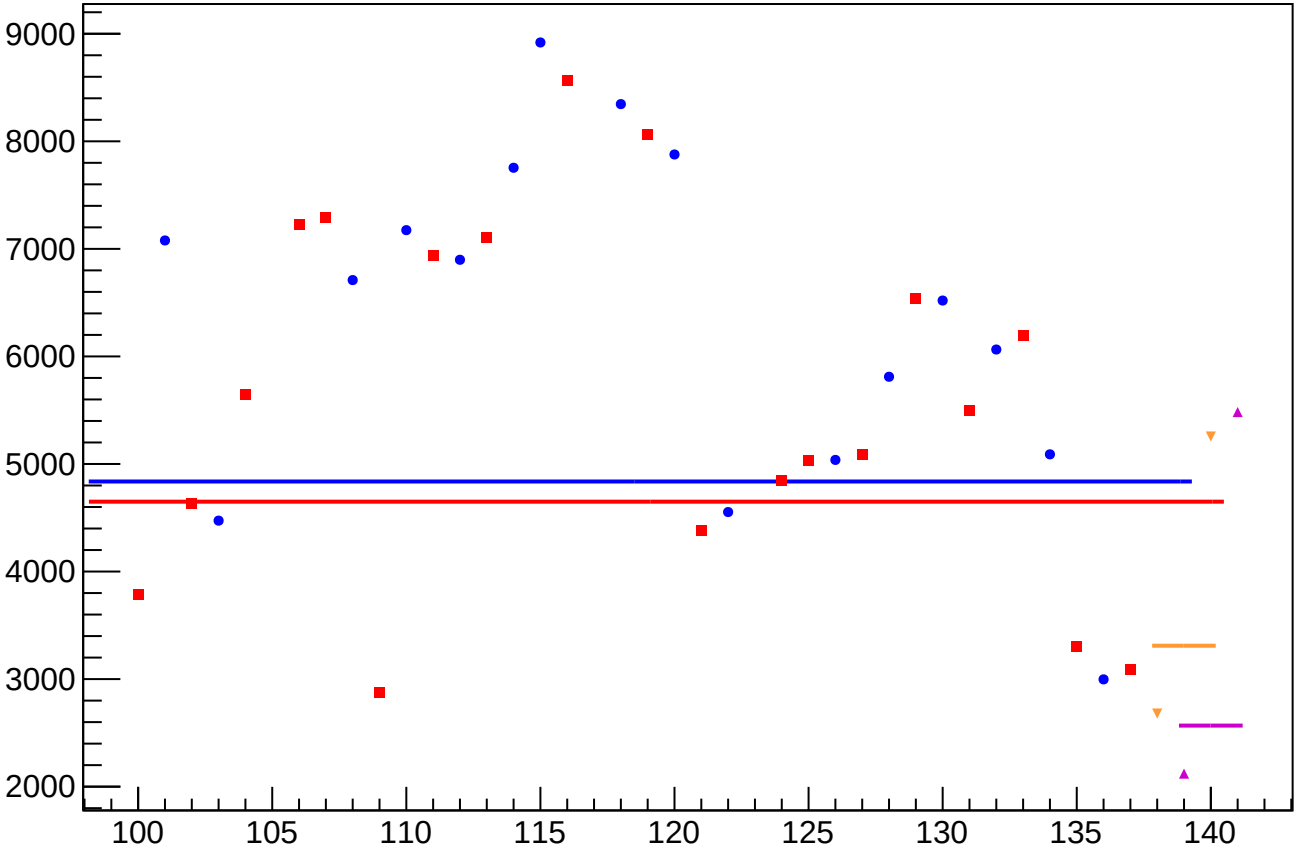
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.019+/-1.430 χ^2/NDF:15.1/17

Out: 0.002+/-1.541 χ^2/NDF:22.2/20

All: 0.011+/-1.048 χ^2/NDF: 37.3/38

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 3310.346+/-2.023 χ^2/NDF:299680.5/1

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 2567.718+/-1.520 χ^2/NDF:563267.9/1

Left: 2835.711+/-1.215 χ^2/NDF: 949058.7/3

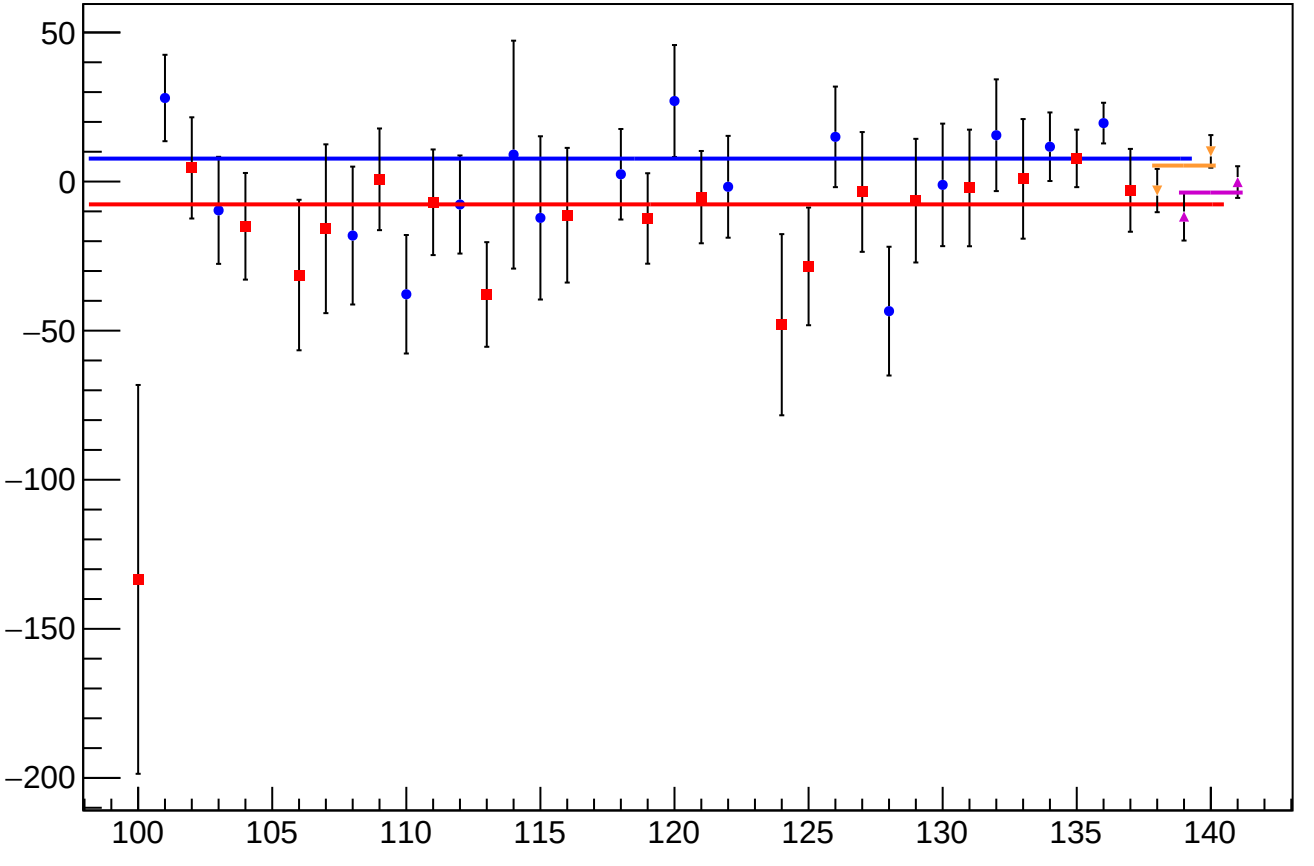
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 3832.827+/-1.011 χ^2/NDF:3353288.3/17

Out: 4261.370+/-1.089 χ^2/NDF:2045389.0/20

All: 4031.214+/-0.741 χ^2/NDF: 5481797.4/38

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 5.364+/-4.366 χ^2/NDF:2.1/1

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -3.690+/-4.433 χ^2/NDF:1.4/1

Left: 0.906+/-3.111 χ^2/NDF: 5.7/3

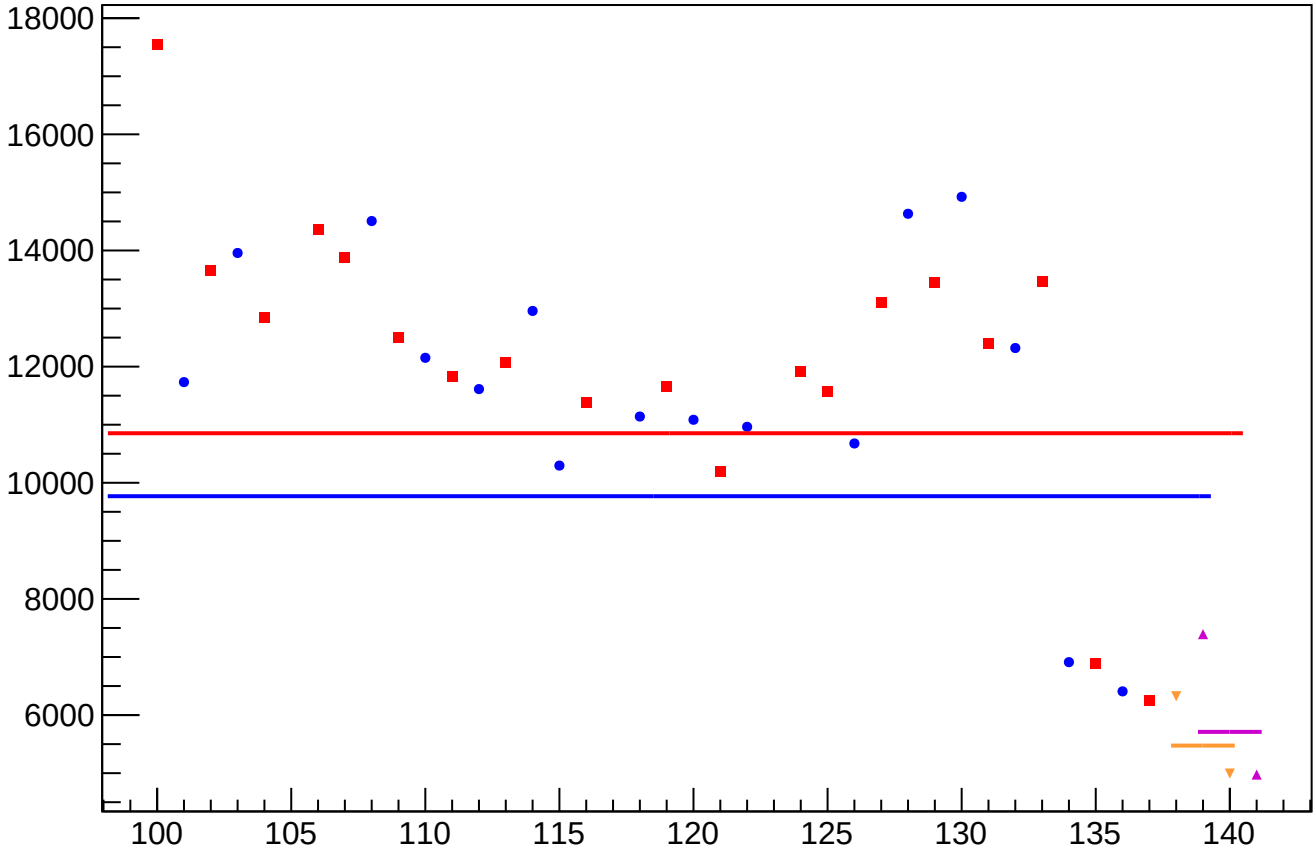
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 2.846+/-2.894 χ^2/NDF:26.8/17

Out: -1.553+/-2.988 χ^2/NDF:21.4/20

All: 0.718+/-2.079 χ^2/NDF: 49.4/38

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5474.895+/-3.087 χ^2/NDF:42939.7/1

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5710.827+/-3.135 χ^2/NDF:125932.1/1

Left: 5591.056+/-2.200 χ^2/NDF: 171747.4/3

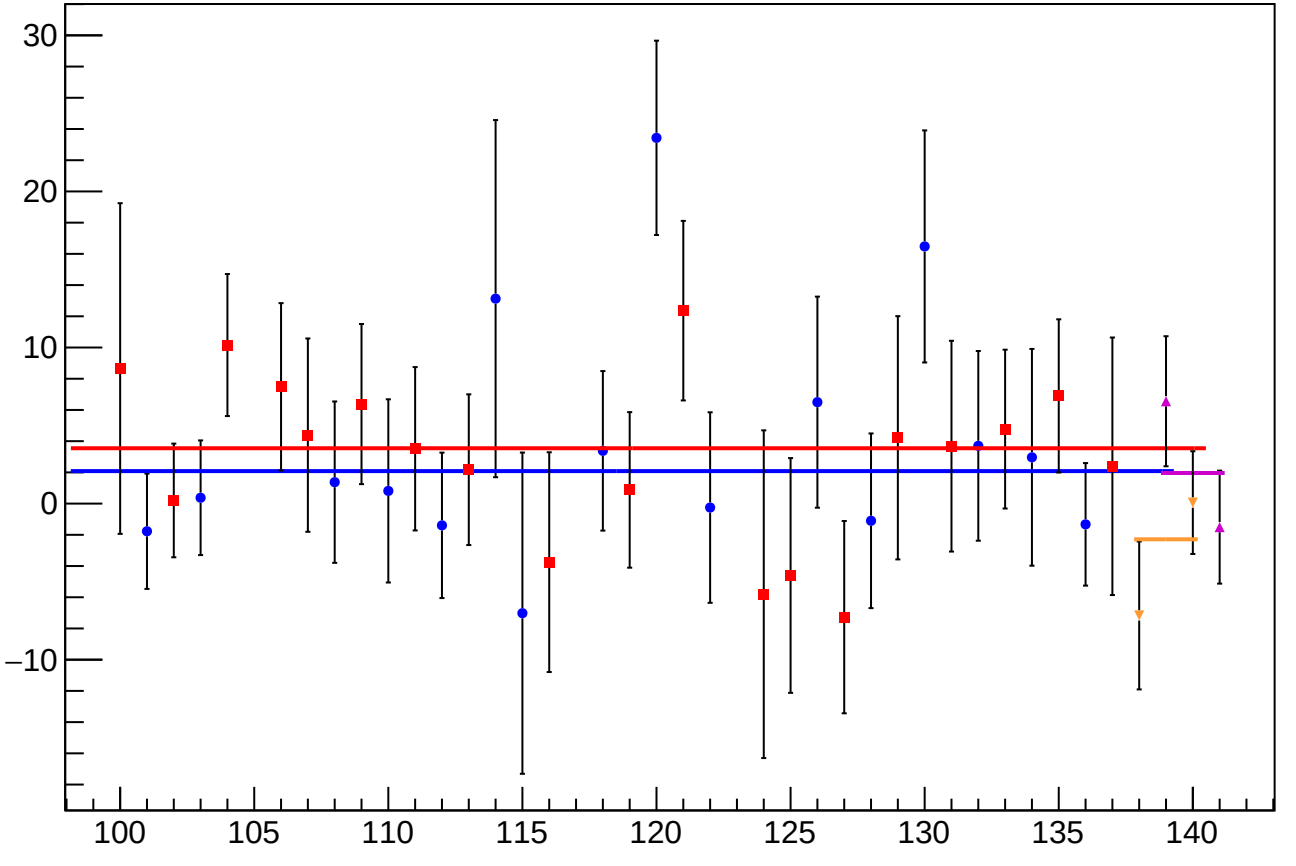
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 8039.769+/-2.046 χ^2/NDF:2301365.9/17

Out: 8333.185+/-2.113 χ^2/NDF:2530394.9/20

All: 8181.757+/-1.470 χ^2/NDF: 4841711.2/38

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.287+/-2.703 χ^2/NDF:1.6/1

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 1.962+/-2.732 χ^2/NDF:2.1/1

Left: -0.186+/-1.922 χ^2/NDF: 4.9/3

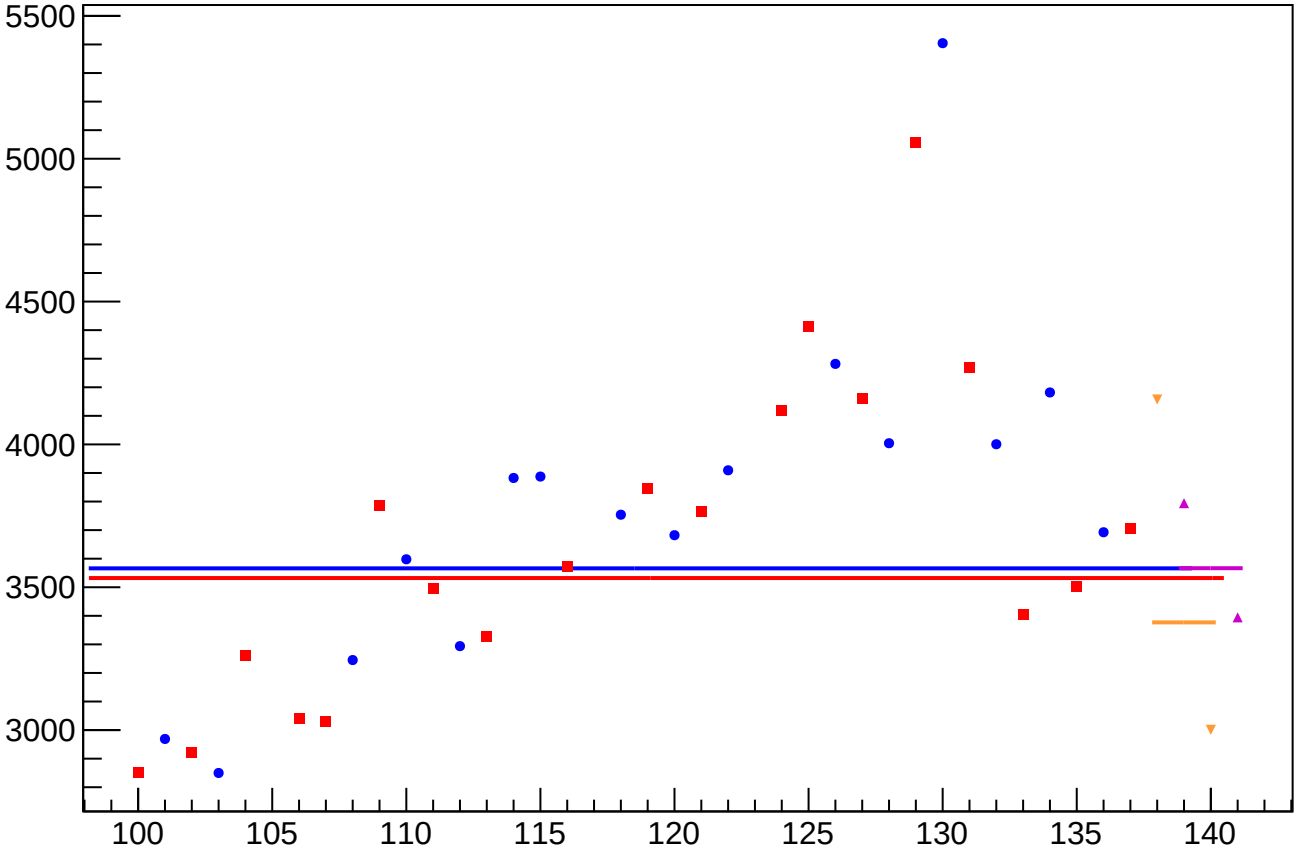
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.059+/-1.207 χ^2/NDF:23.1/17

Out: 2.445+/-1.175 χ^2/NDF:18.8/20

All: 2.257+/-0.842 χ^2/NDF: 41.9/38

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3376.987+/-1.911 χ^2/NDF:80304.5/1

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 3566.654+/-1.932 χ^2/NDF:10490.7/1

Left: 3470.801+/-1.359 χ^2/NDF: 95665.3/3

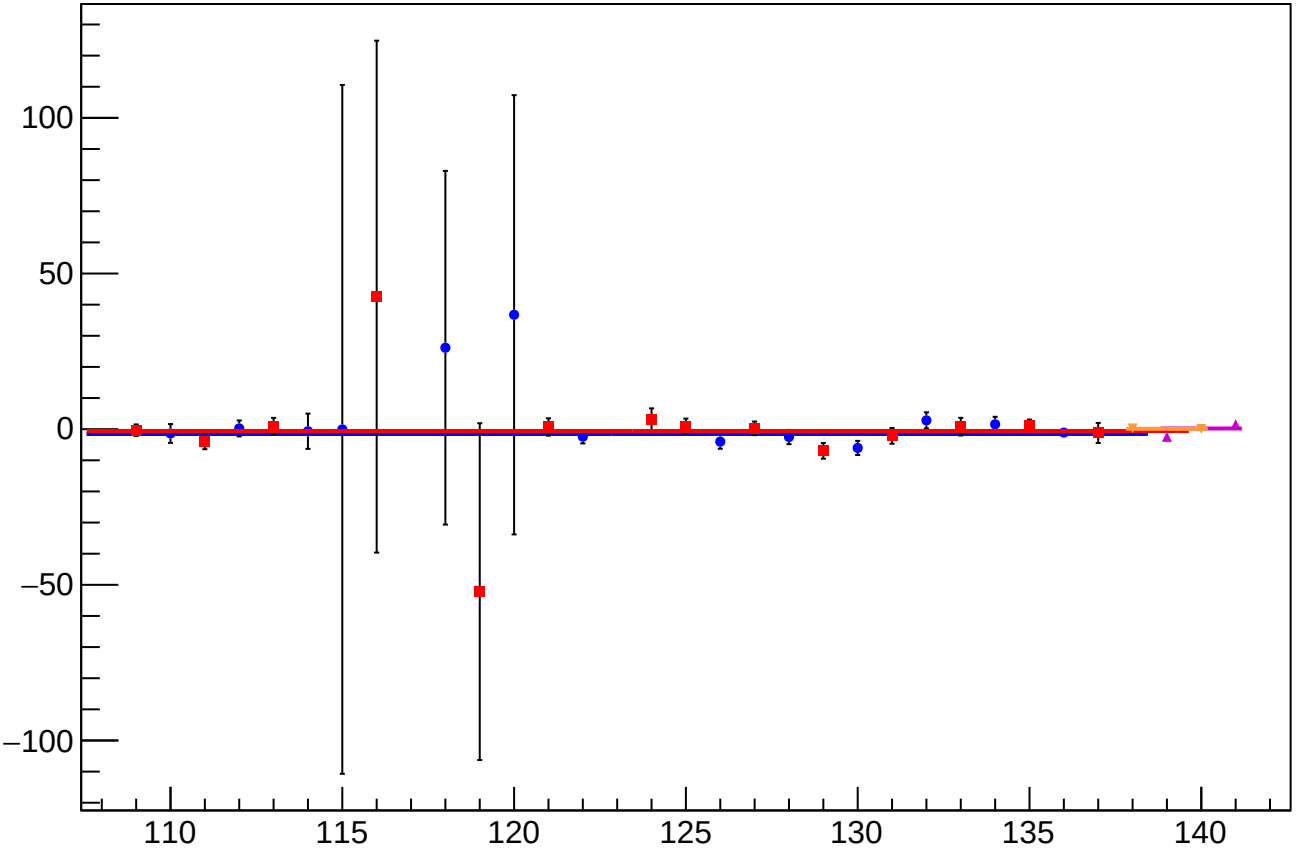
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3566.248+/-0.853 χ^2/NDF:351596.3/17

Out: 3502.884+/-0.831 χ^2/NDF:364345.5/20

All: 3533.706+/-0.595 χ^2/NDF: 718772.8/38

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.117+/-0.846 χ^2/NDF:0.0/1

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: 0.222+/-0.777 χ^2/NDF:6.1/1

Left: 0.174+/-0.572 χ^2/NDF: 6.1/3

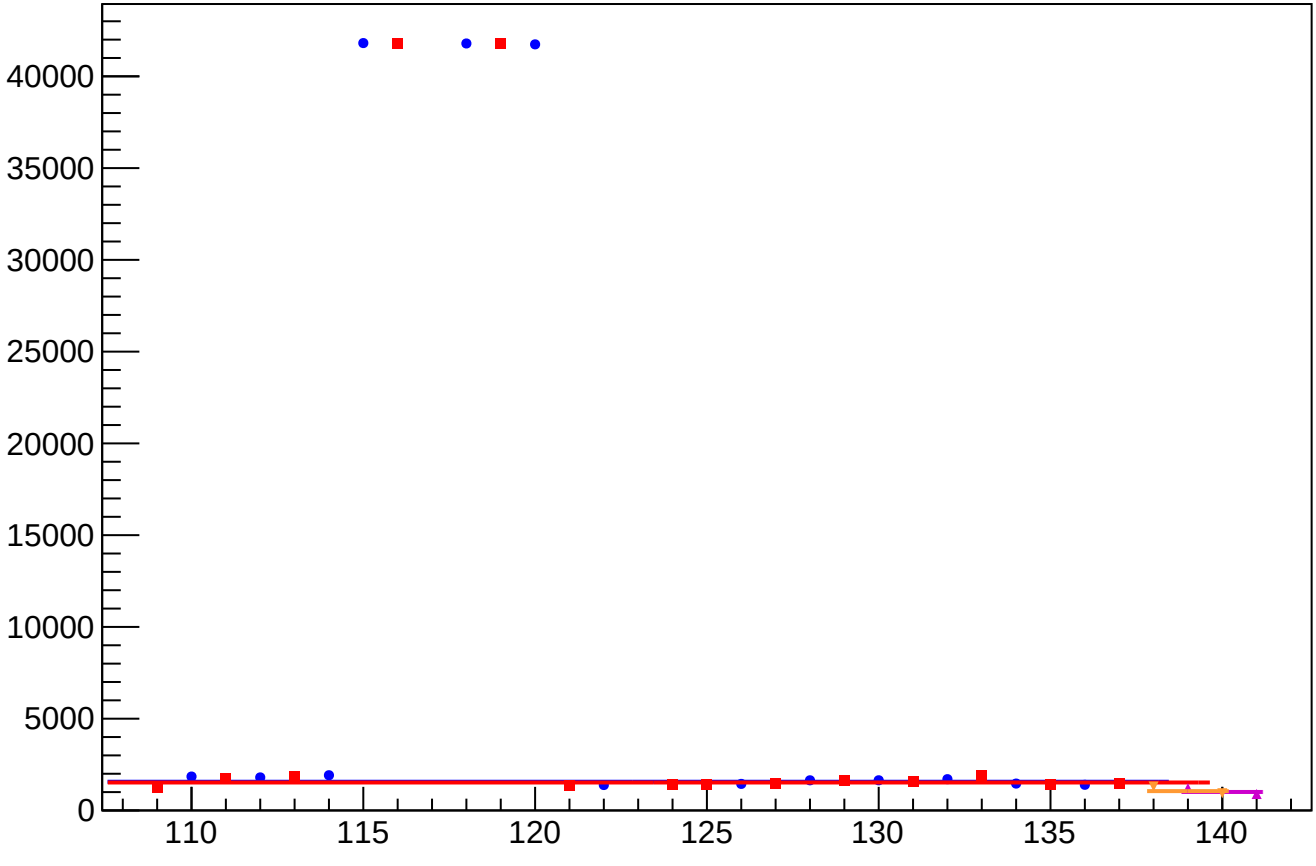
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.708+/-0.533 χ^2/NDF:19.9/14

Out: -0.293+/-0.547 χ^2/NDF:13.1/15

All: -0.506+/-0.382 χ^2/NDF: 33.3/30

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1053.955+/-0.598 χ^2/NDF:81963.0/1

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1006.900+/-0.549 χ^2/NDF:75691.1/1

Left: 1028.438+/-0.404 χ^2/NDF: 161013.0/3

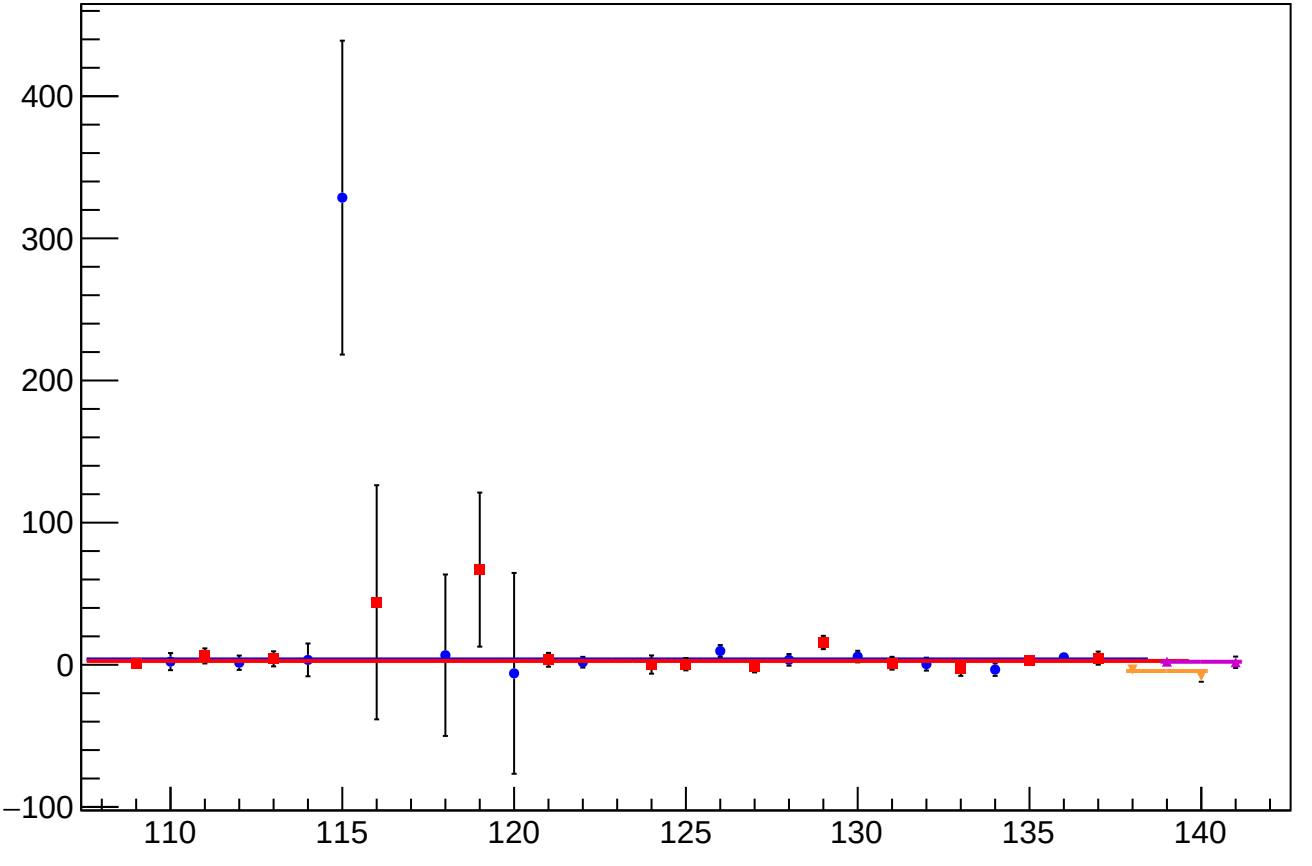
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1301.872+/-0.377 χ^2/NDF:2637629.7/14

Out: 1327.169+/-0.387 χ^2/NDF:2180625.6/15

All: 1314.195+/-0.270 χ^2/NDF: 4820449.8/30

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -4.374+/-1.852 χ^2/NDF:1.1/1

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 2.132+/-1.869 χ^2/NDF:0.0/1

Left: -1.151+/-1.316 χ^2/NDF: 7.2/3

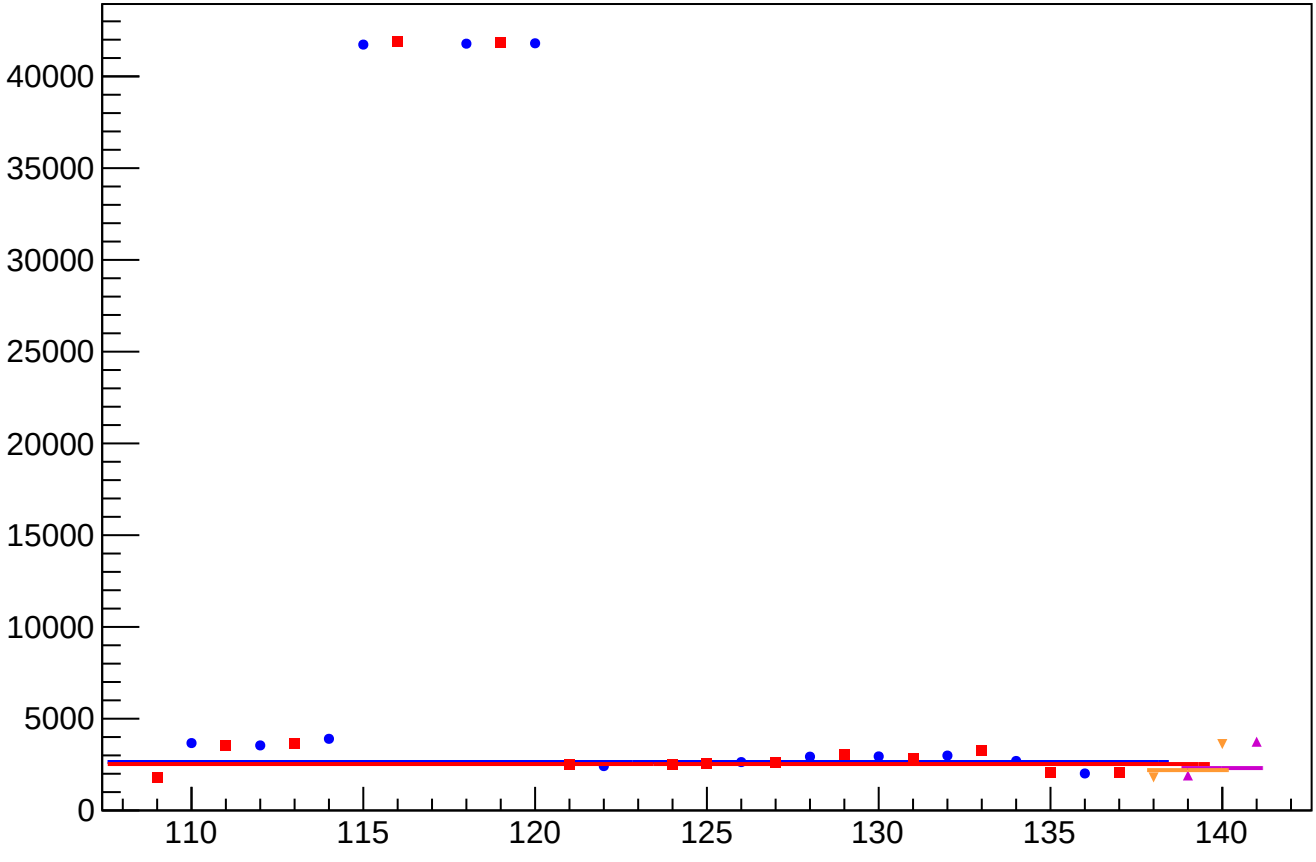
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 3.269+/-1.038 χ^2/NDF:15.7/14

Out: 0.588+/-1.014 χ^2/NDF:24.9/15

All: 1.897+/-0.725 χ^2/NDF: 44.0/30

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2198.139+/-1.310 χ^2/NDF:328789.6/1

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 2309.277+/-1.322 χ^2/NDF:330119.6/1

Left: 2253.205+/-0.930 χ^2/NDF: 662476.5/3

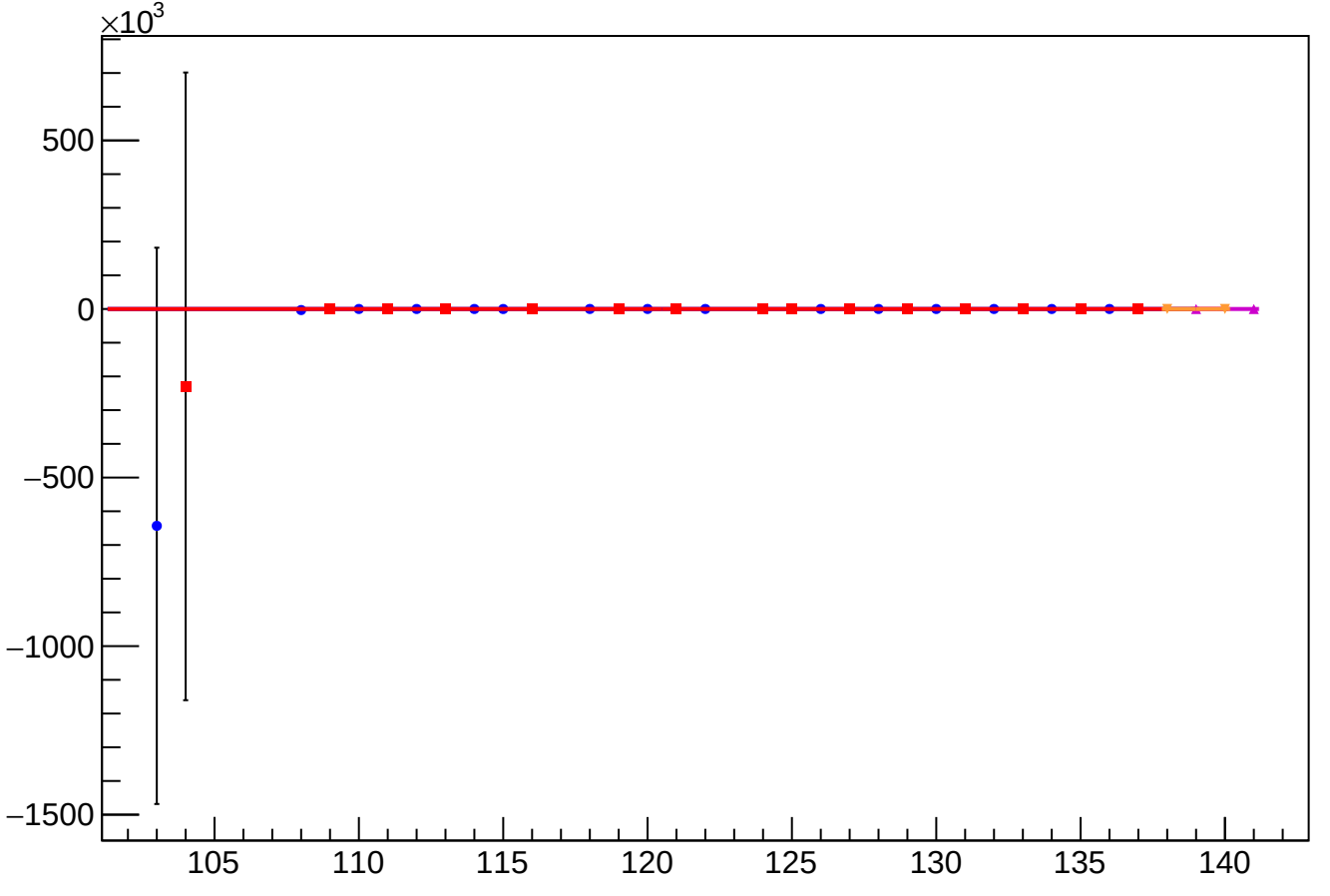
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2537.952+/-0.734 χ^2/NDF:2546798.4/14

Out: 2429.951+/-0.717 χ^2/NDF:2323426.7/15

All: 2482.659+/-0.513 χ^2/NDF: 4881307.5/30

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.147+/-1.184 χ^2/NDF:1.4/1

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 1.242+/-1.173 χ^2/NDF:0.2/1

Left: 0.058+/-0.833 χ^2/NDF: 3.6/3

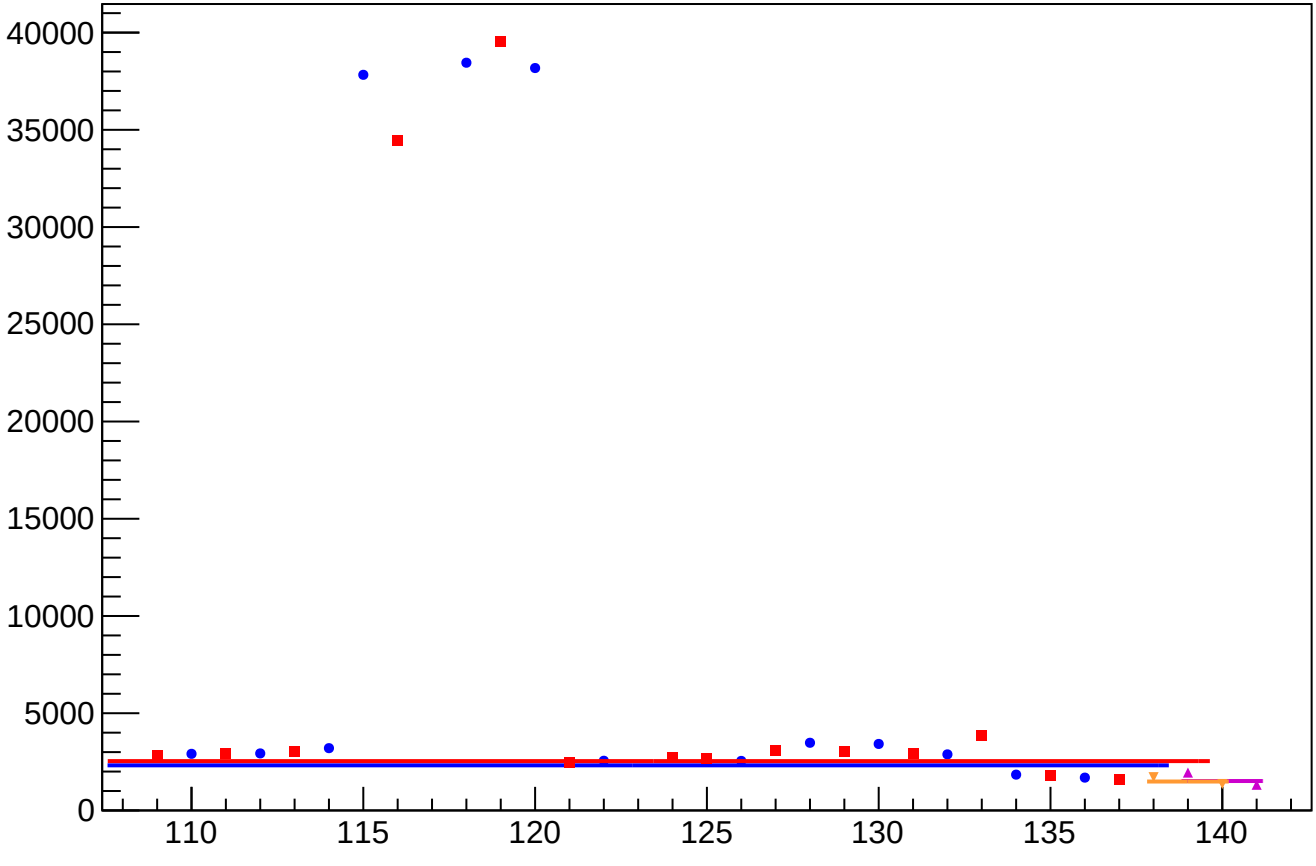
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.038+/-0.812 χ^2/NDF:21.2/16

Out: 0.719+/-0.847 χ^2/NDF:21.0/16

All: 0.325+/-0.586 χ^2/NDF: 42.6/33

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1487.963+/-0.837 χ^2/NDF:40708.7/1

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1513.728+/-0.830 χ^2/NDF:121378.6/1

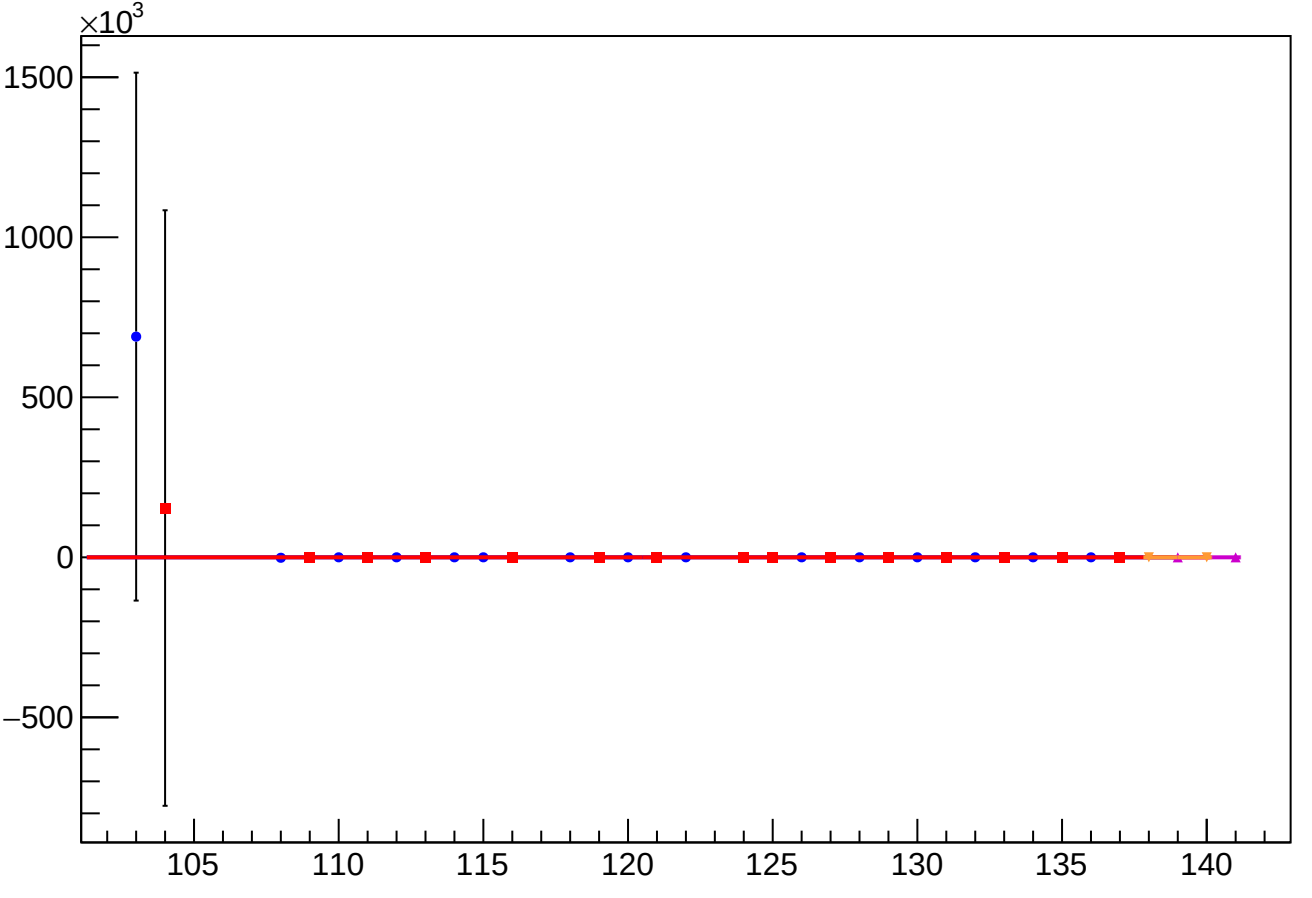
Left: 1500.965+/-0.589 χ^2/NDF: 162565.0/3

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1933.926+/-0.574 χ^2/NDF:3075325.8/14

Out: 2000.986+/-0.599 χ^2/NDF:2846874.2/15

All: 1966.058+/-0.414 χ^2/NDF: 5928734.1/30



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -3.437+/-1.355 χ^2/NDF:0.3/1

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.191+/-1.085 χ^2/NDF:0.6/1

Left: -1.460+/-0.847 χ^2/NDF: 4.4/3

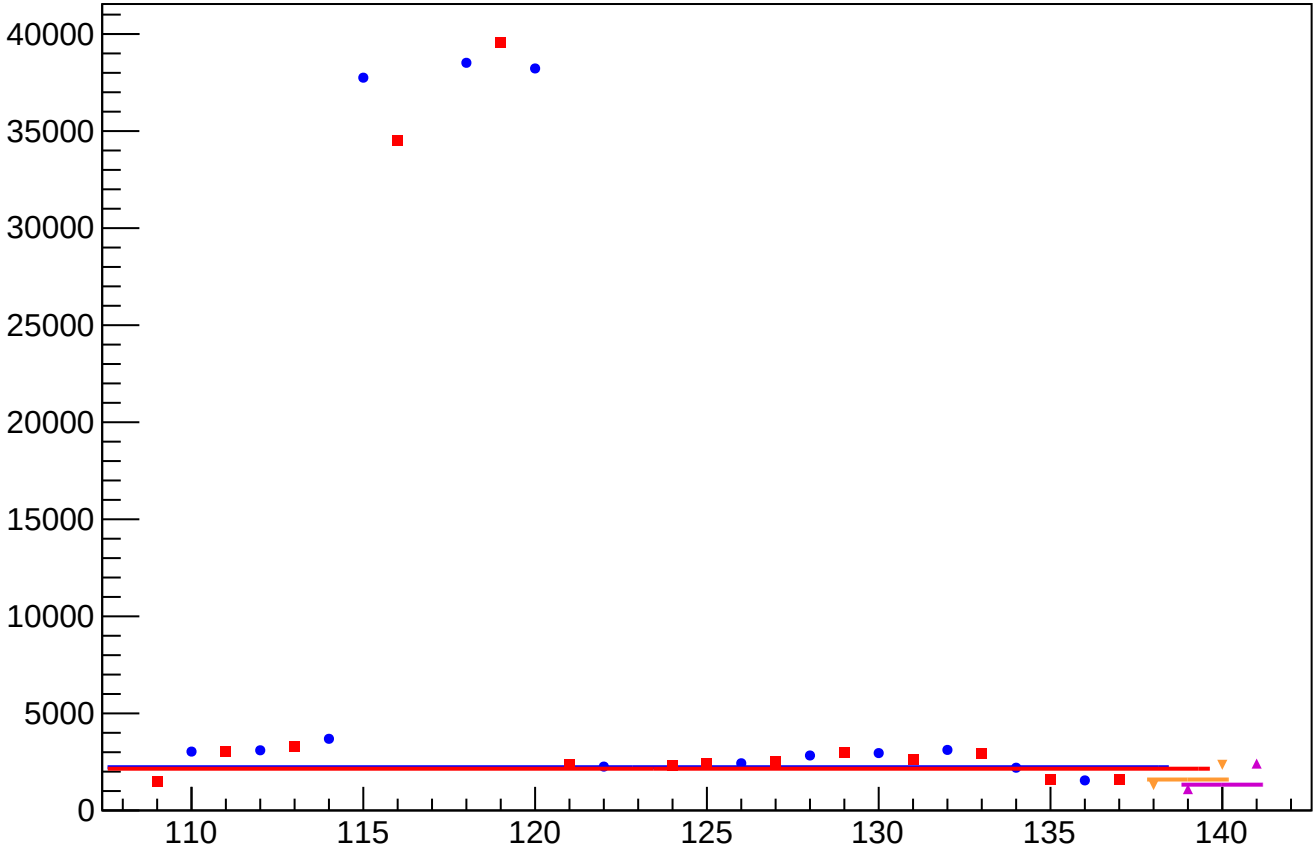
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.766+/-0.764 χ^2/NDF:7.1/16

Out: -0.110+/-0.831 χ^2/NDF:25.3/16

All: 0.364+/-0.562 χ^2/NDF: 33.1/33

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1593.707+/-0.958 χ^2/NDF:237536.4/1

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1328.451+/-0.767 χ^2/NDF:423605.0/1

Left: 1432.104+/-0.599 χ^2/NDF: 707825.9/3

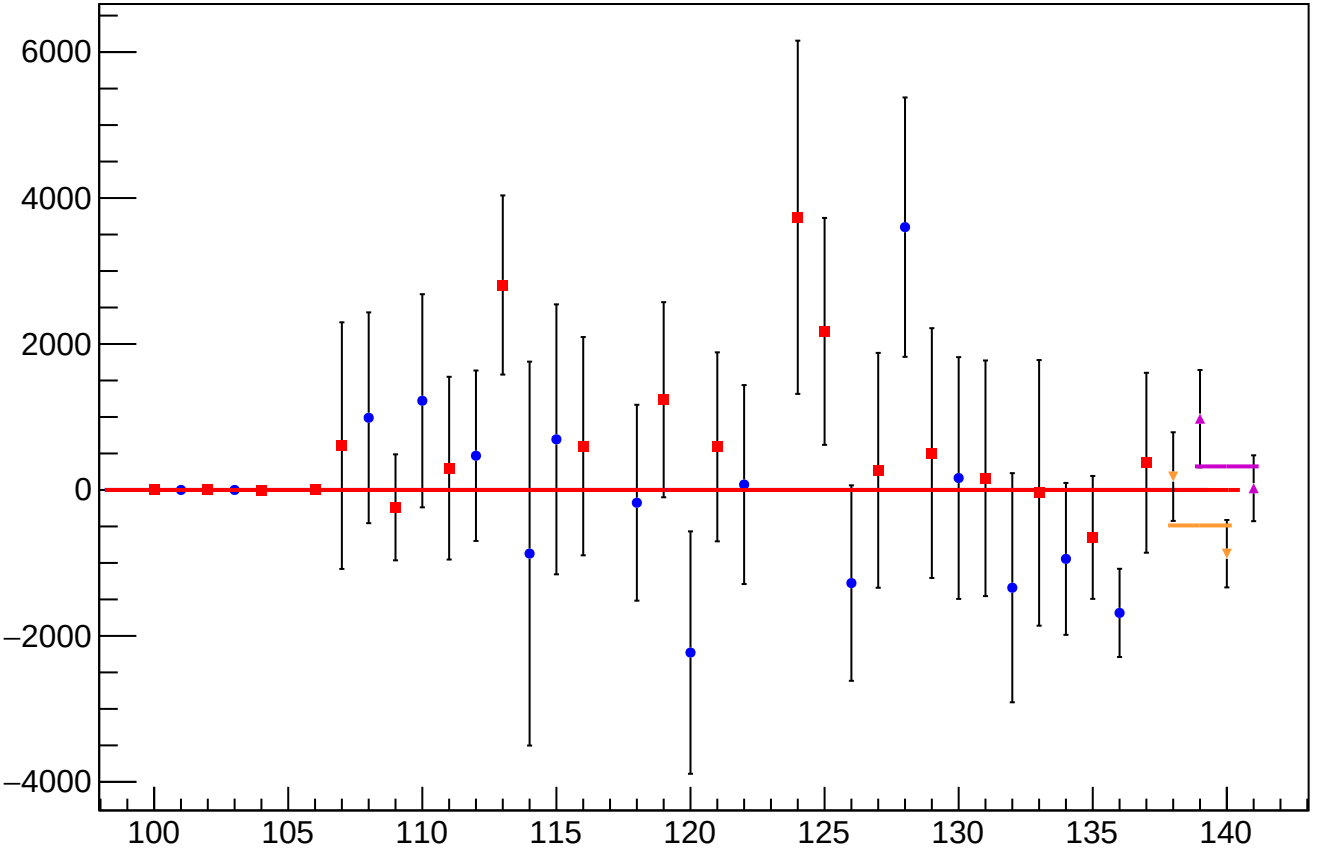
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1781.407+/-0.540 χ^2/NDF:3636918.7/14

Out: 1941.408+/-0.588 χ^2/NDF:2679830.8/15

All: 1854.738+/-0.398 χ^2/NDF: 6356925.6/30

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -486.351+/-367.545 χ^2/NDF:1.9/1

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 322.627+/-373.752 χ^2/NDF:1.4/1

Left: -88.635+/-262.060 χ^2/NDF: 5.7/3

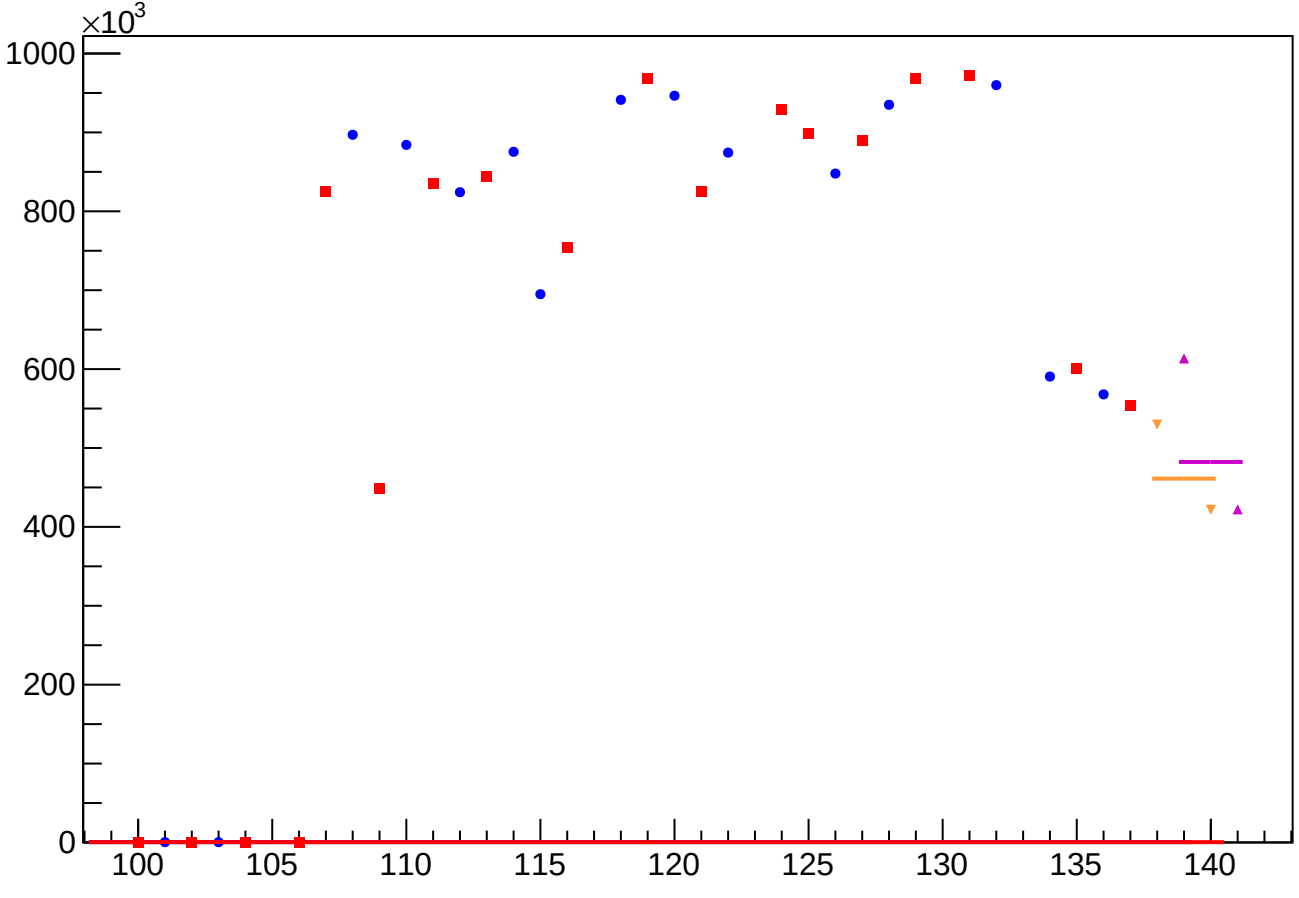
Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:19.9/17

Out: -0.096+/-0.328 χ^2/NDF:19.1/20

All: 0.065+/-0.241 χ^2/NDF: 39.5/38

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 461211.956+/-259.894 χ^2/NDF:40047.3/1

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 482295.920+/-264.282 χ^2/NDF:112826.6/1

Left: 471577.427+/-185.305 χ^2/NDF: 156109.5/3

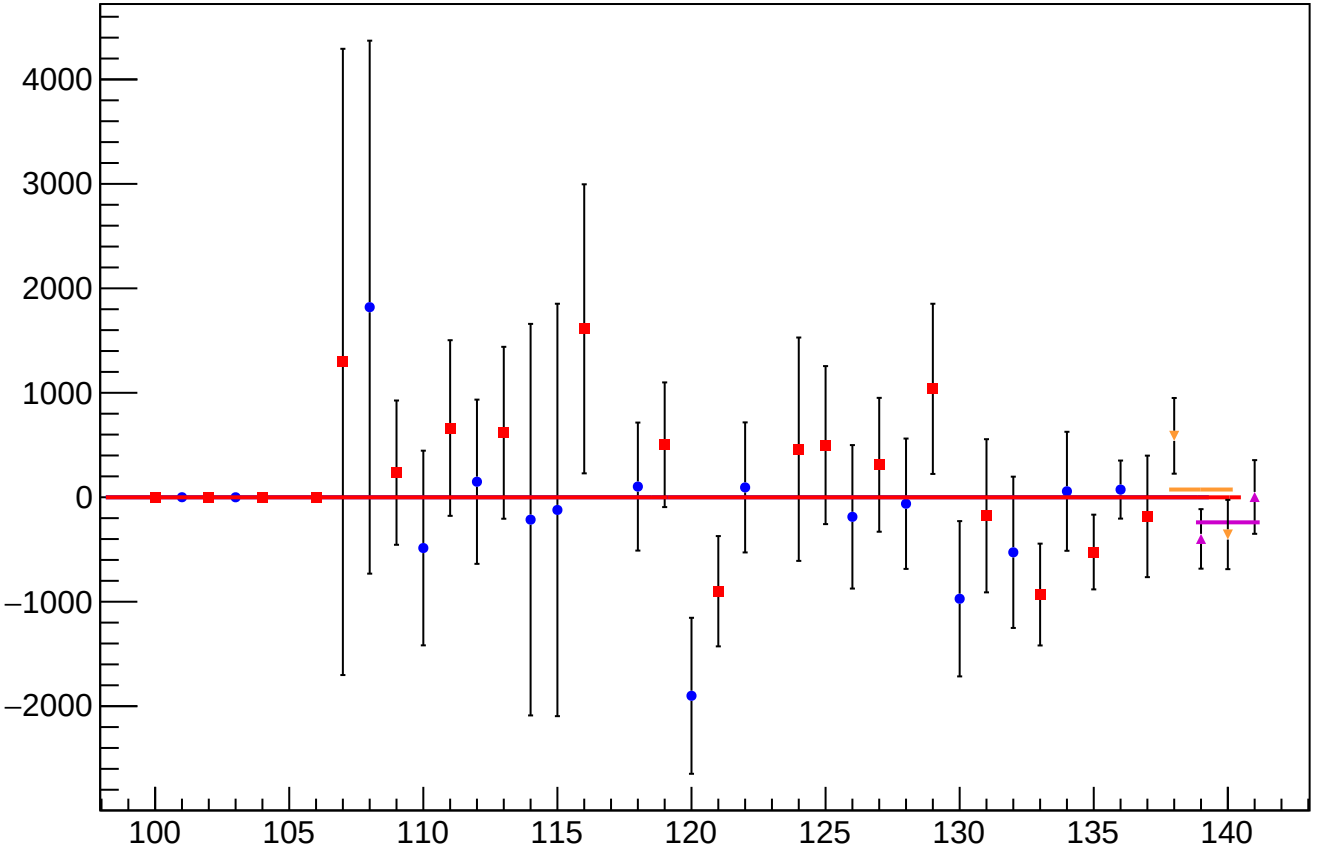
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 399.317+/-0.251 χ^2/NDF:11929508.7/16

Out: 393.607+/-0.232 χ^2/NDF:10832525.1/19

All: 396.229+/-0.170 χ^2/NDF: 22762312.6/36

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 74.037+/-244.653 χ^2/NDF:3.7/1

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -240.113+/-221.680 χ^2/NDF:0.8/1

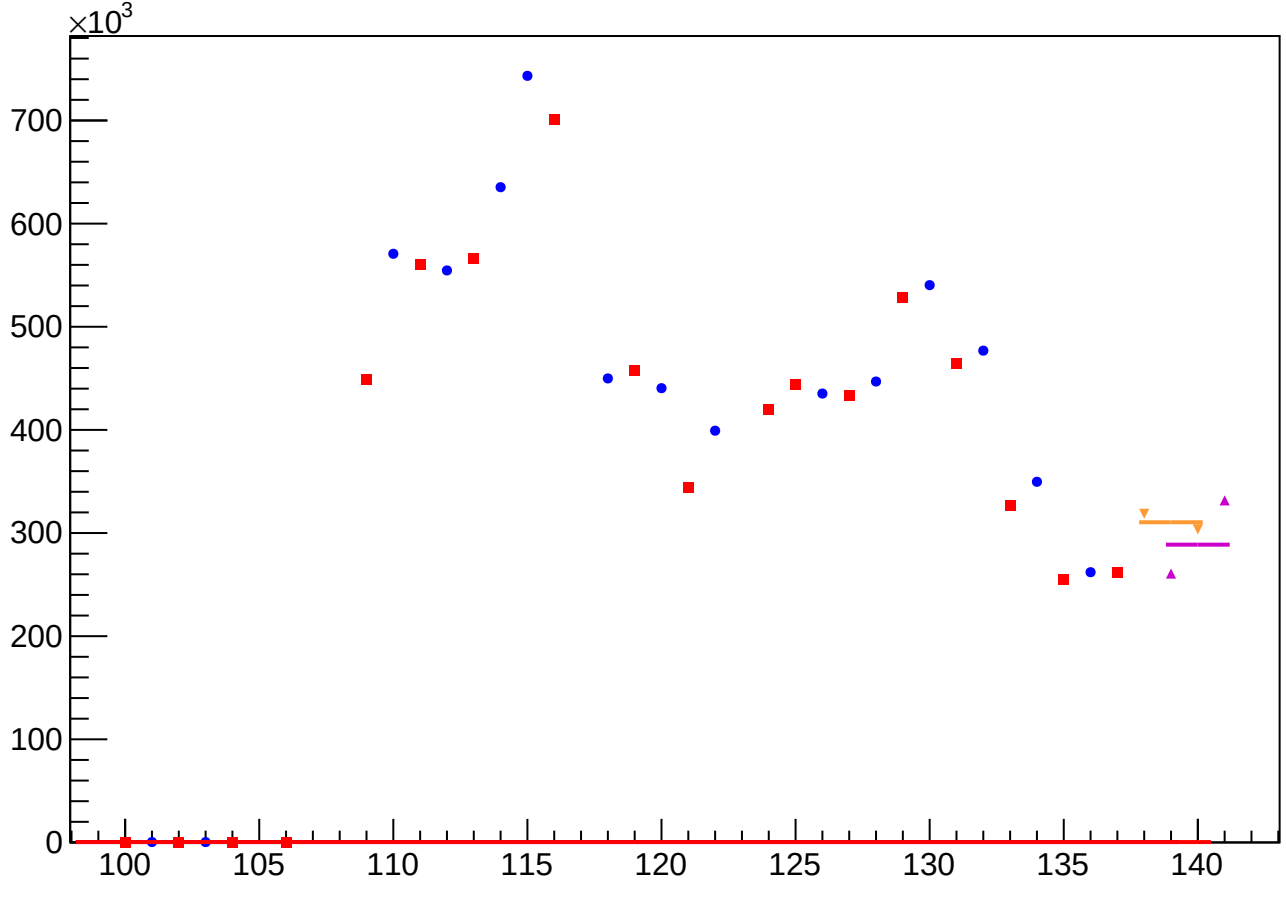
Left: -98.476+/-164.274 χ^2/NDF: 5.4/3

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:12.4/17

Out: -0.599+/-0.324 χ^2/NDF:18.8/20

All: -0.330+/-0.237 χ^2/NDF: 32.7/38



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 310441.857+/-172.996 χ^2/NDF:1893.0/1

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 288726.247+/-156.752 χ^2/NDF:48921.0/1

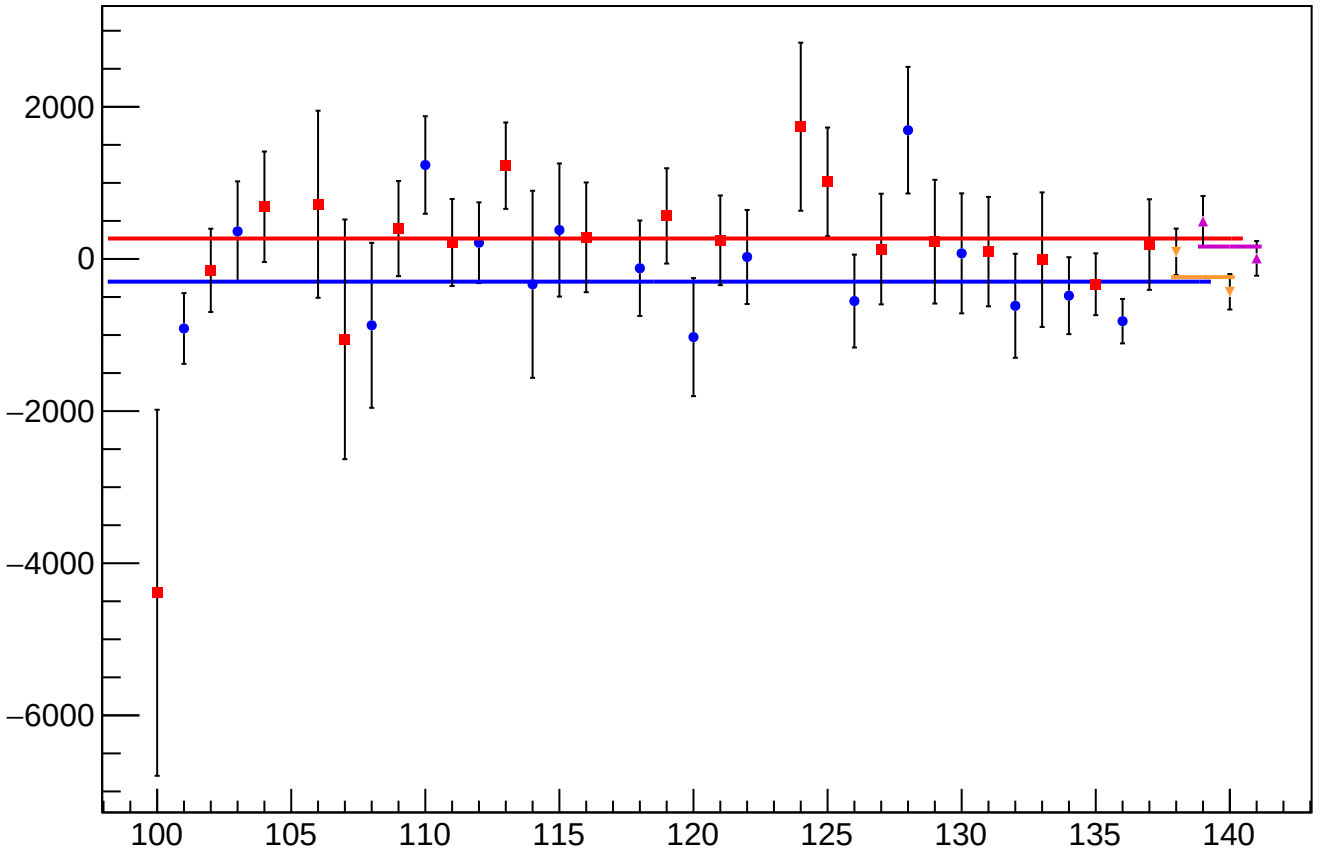
Left: 298516.886+/-116.160 χ^2/NDF: 59466.9/3

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 390.983+/-0.245 χ^2/NDF:14564709.7/16

Out: 388.527+/-0.229 χ^2/NDF:14288399.0/19

All: 389.670+/-0.167 χ^2/NDF: 28853162.1/36



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -238.439+/-185.191 χ^2/NDF:1.9/1

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 163.141+/-188.370 χ^2/NDF:1.4/1

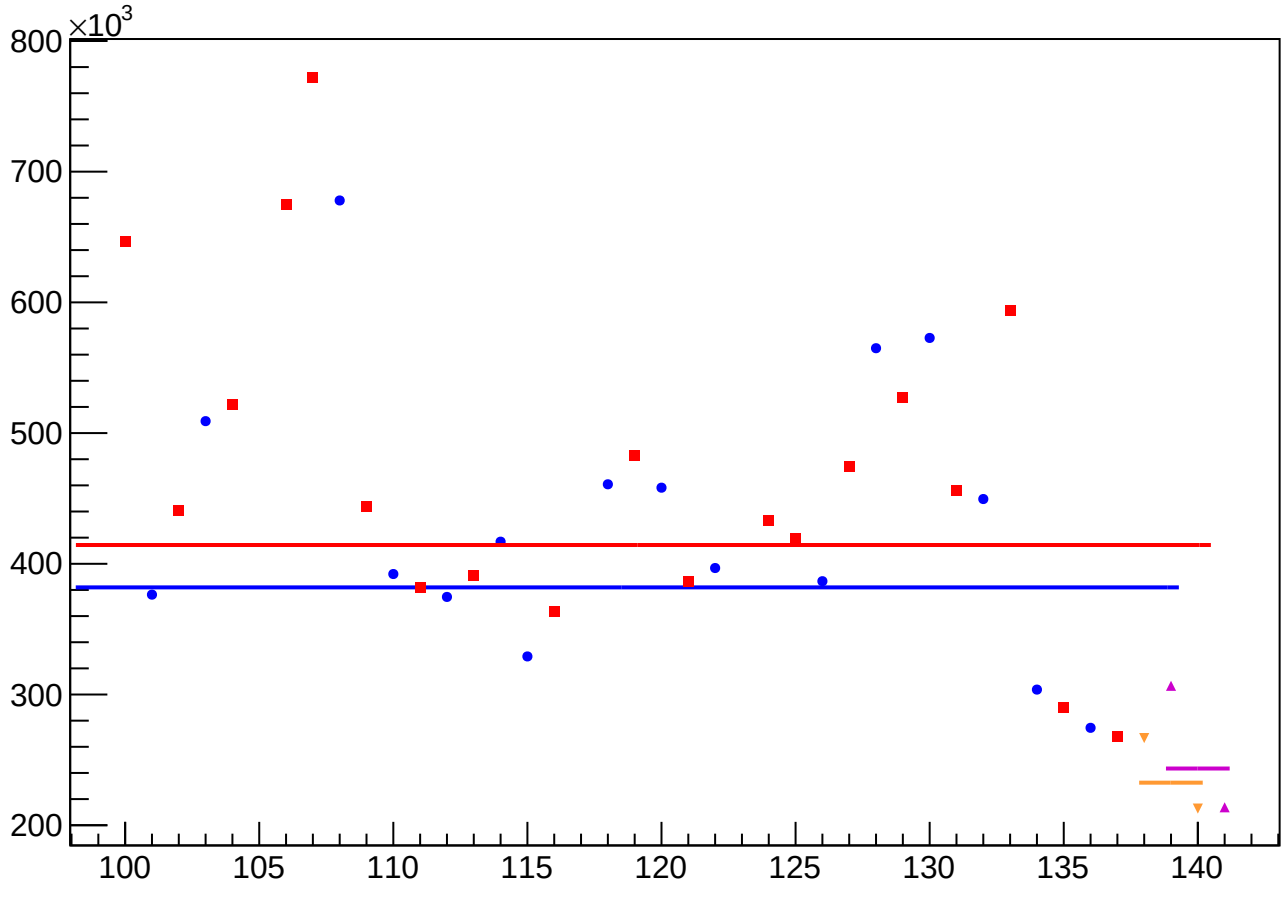
Left: -41.066+/-132.059 χ^2/NDF: 5.6/3

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -123.083+/-116.068 χ^2/NDF:26.3/17

Out: 57.398+/-119.570 χ^2/NDF:20.1/20

All: -35.524+/-83.283 χ^2/NDF: 47.6/38



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 232565.469+/-130.950 χ^2/NDF:39451.9/1

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 243388.097+/-133.198 χ^2/NDF:105785.4/1

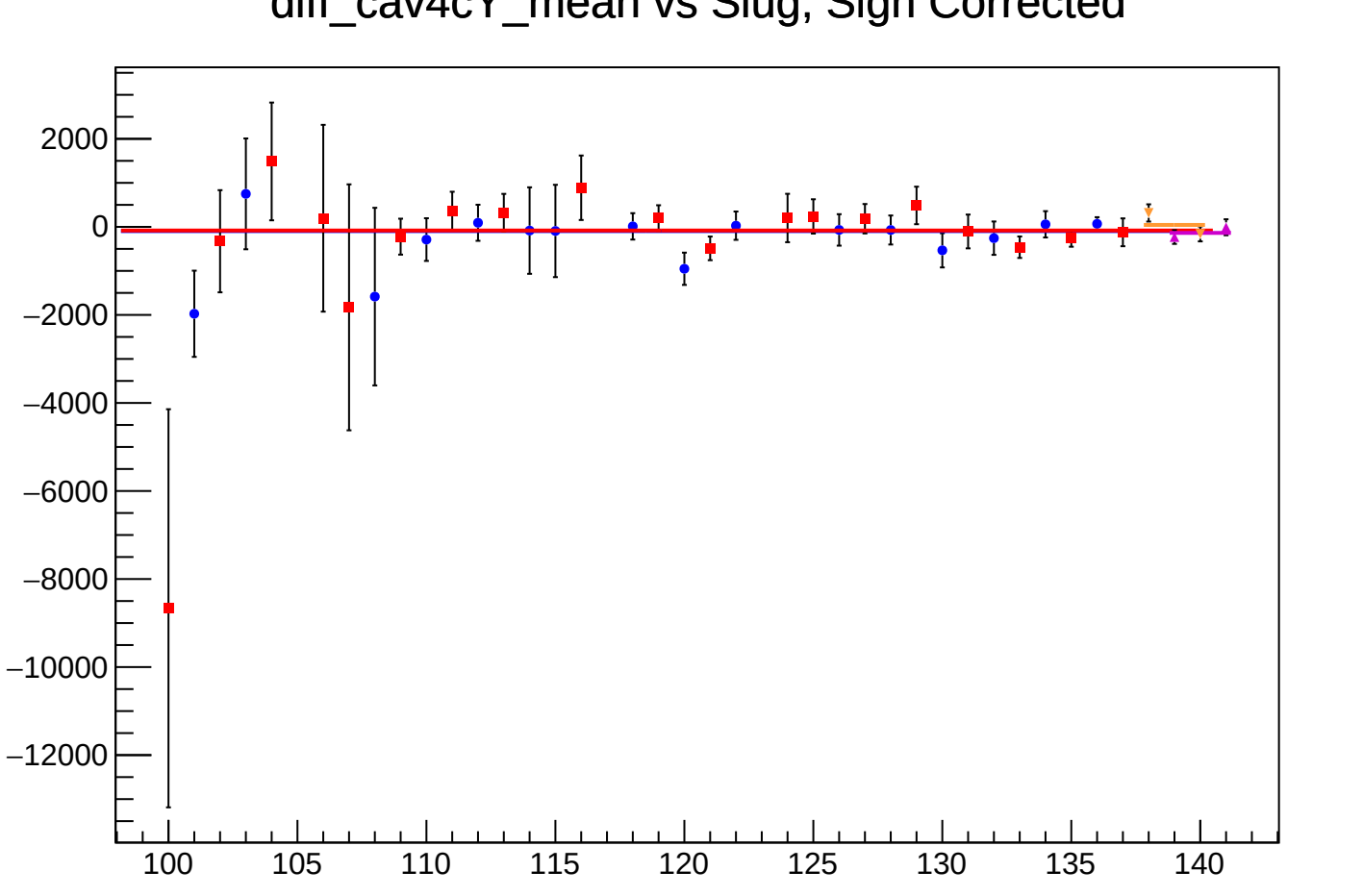
Left: 237884.690+/-93.380 χ^2/NDF: 148594.5/3

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 329337.248+/-82.082 χ^2/NDF:1613541.4/17

Out: 338562.383+/-84.561 χ^2/NDF:1923384.7/20

All: 333812.579+/-58.898 χ^2/NDF: 3543053.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 44.161+/-128.262 χ^2/NDF:3.4/1

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -137.152+/-118.292 χ^2/NDF:0.9/1

Left: -53.815+/-86.956 χ^2/NDF: 5.3/3

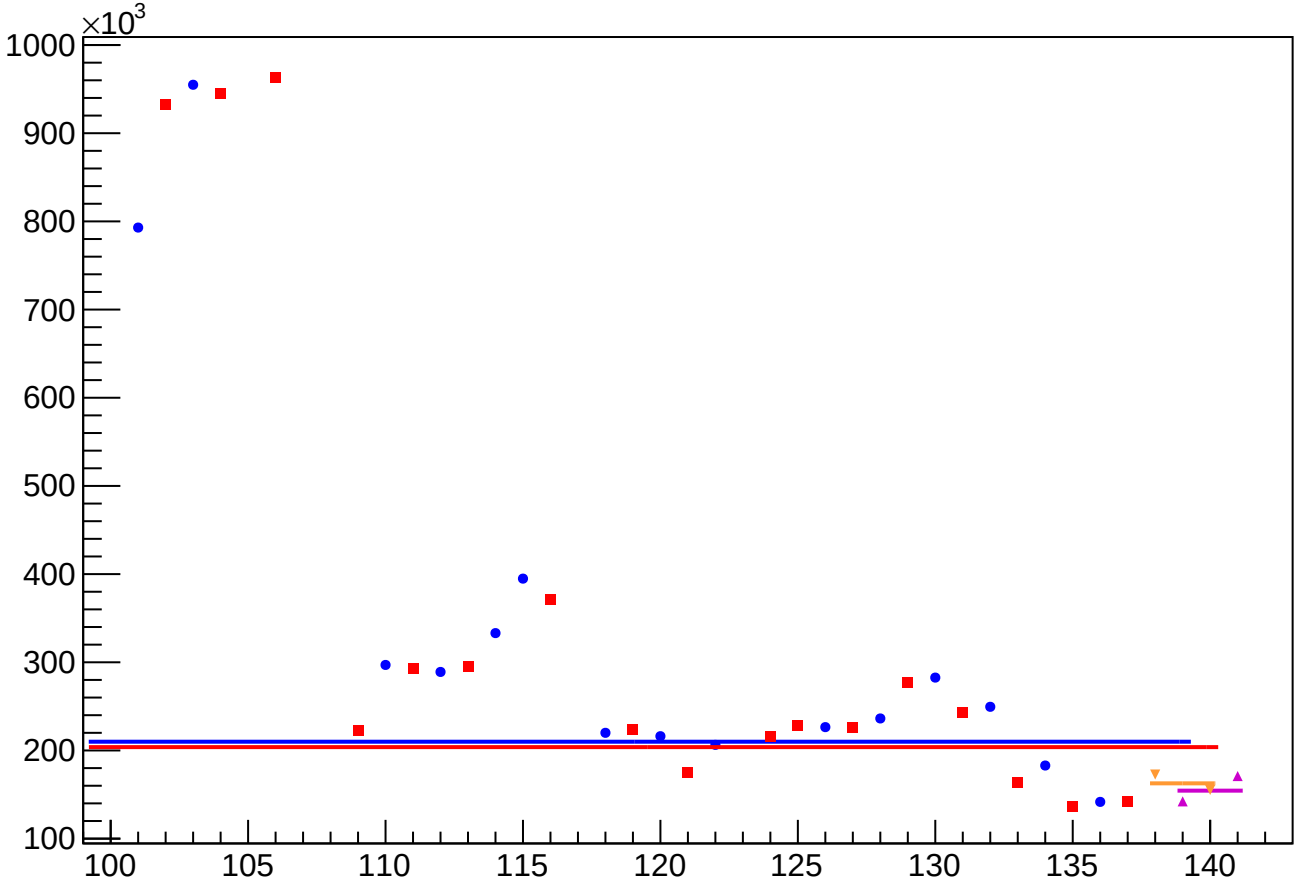
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -110.622+/-70.743 χ^2/NDF:14.6/17

Out: -42.560+/-72.178 χ^2/NDF:23.1/20

All: -77.274+/-50.523 χ^2/NDF: 38.2/38

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 162710.026+/-90.695 χ^2/NDF:9084.3/1

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 154430.987+/-83.645 χ^2/NDF:28737.4/1

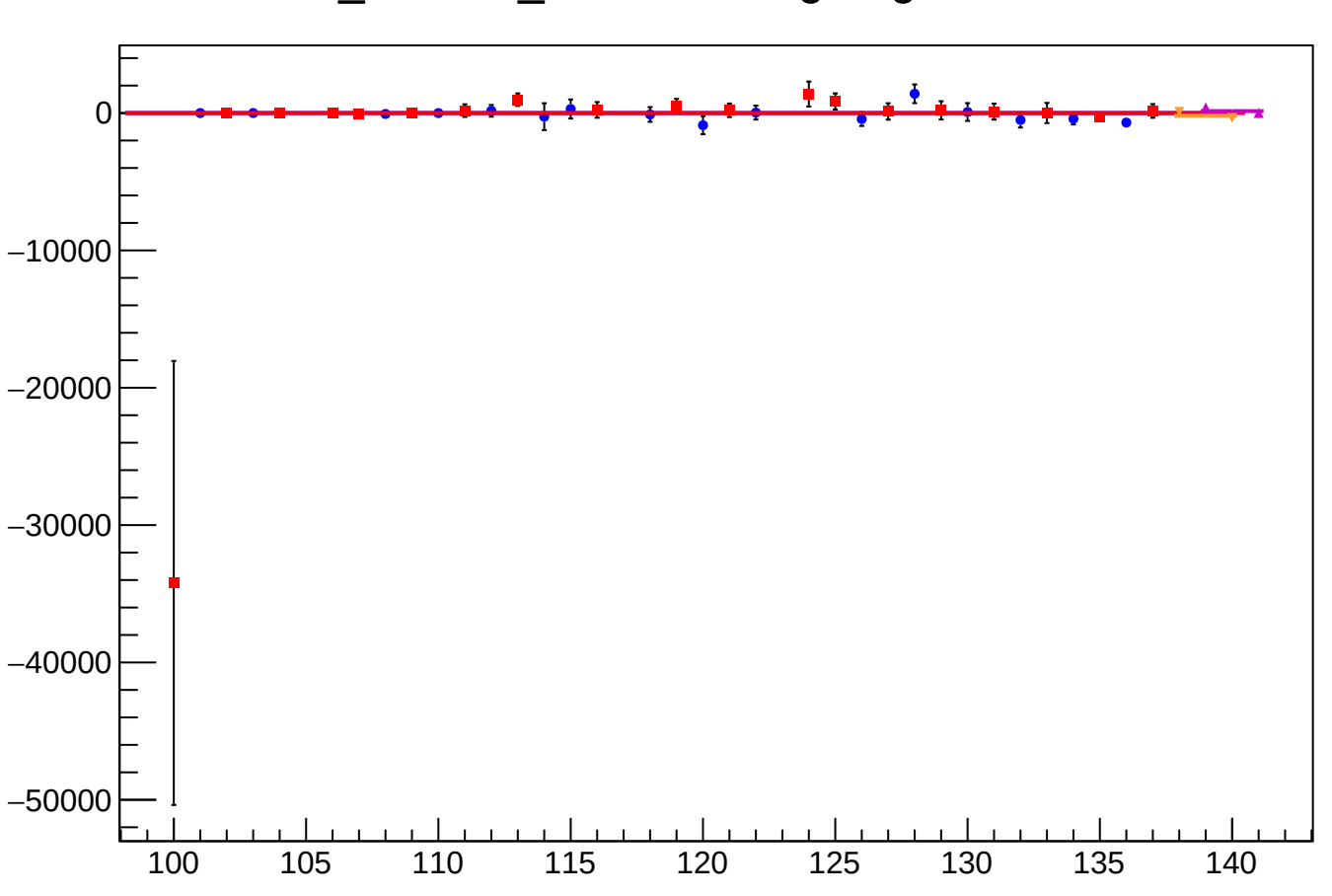
Left: 158236.271+/-61.487 χ^2/NDF: 42324.6/3

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 190035.850+/-50.079 χ^2/NDF:2271064.6/16

Out: 190739.114+/-51.124 χ^2/NDF:2219557.4/18

All: 190380.219+/-35.775 χ^2/NDF: 4490718.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -195.587+/-154.188 χ^2/NDF:1.9/1

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 139.421+/-157.053 χ^2/NDF:1.5/1

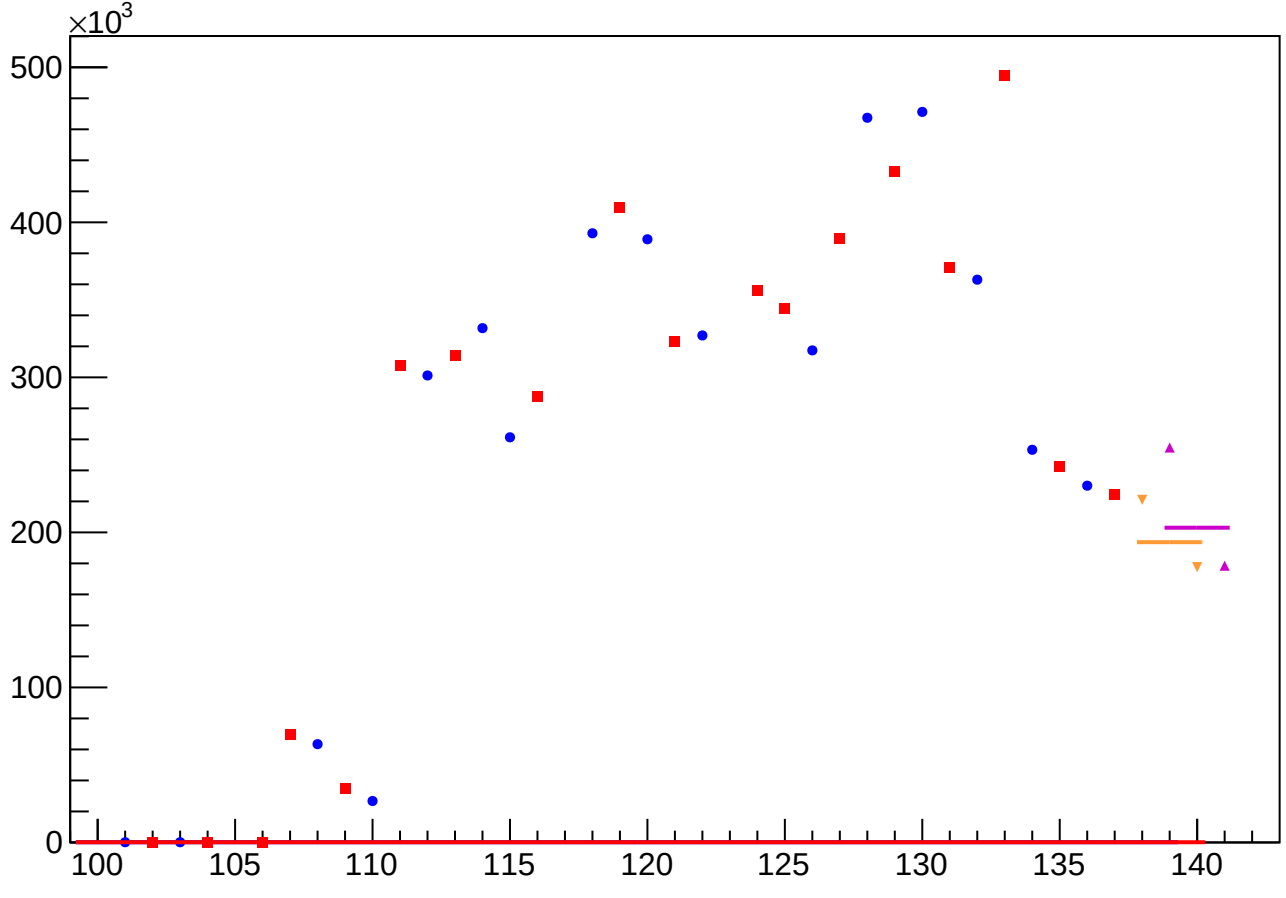
Left: -31.167+/-110.026 χ^2/NDF: 5.7/3

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:20.4/17

Out: 0.355+/-0.160 χ^2/NDF:20.0/20

All: 0.174+/-0.117 χ^2/NDF: 43.2/38



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 193694.701+/-109.027 χ^2/NDF:36963.4/1

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 203020.693+/-111.053 χ^2/NDF:102757.8/1

Left: 198271.858+/-77.800 χ^2/NDF: 143312.3/3

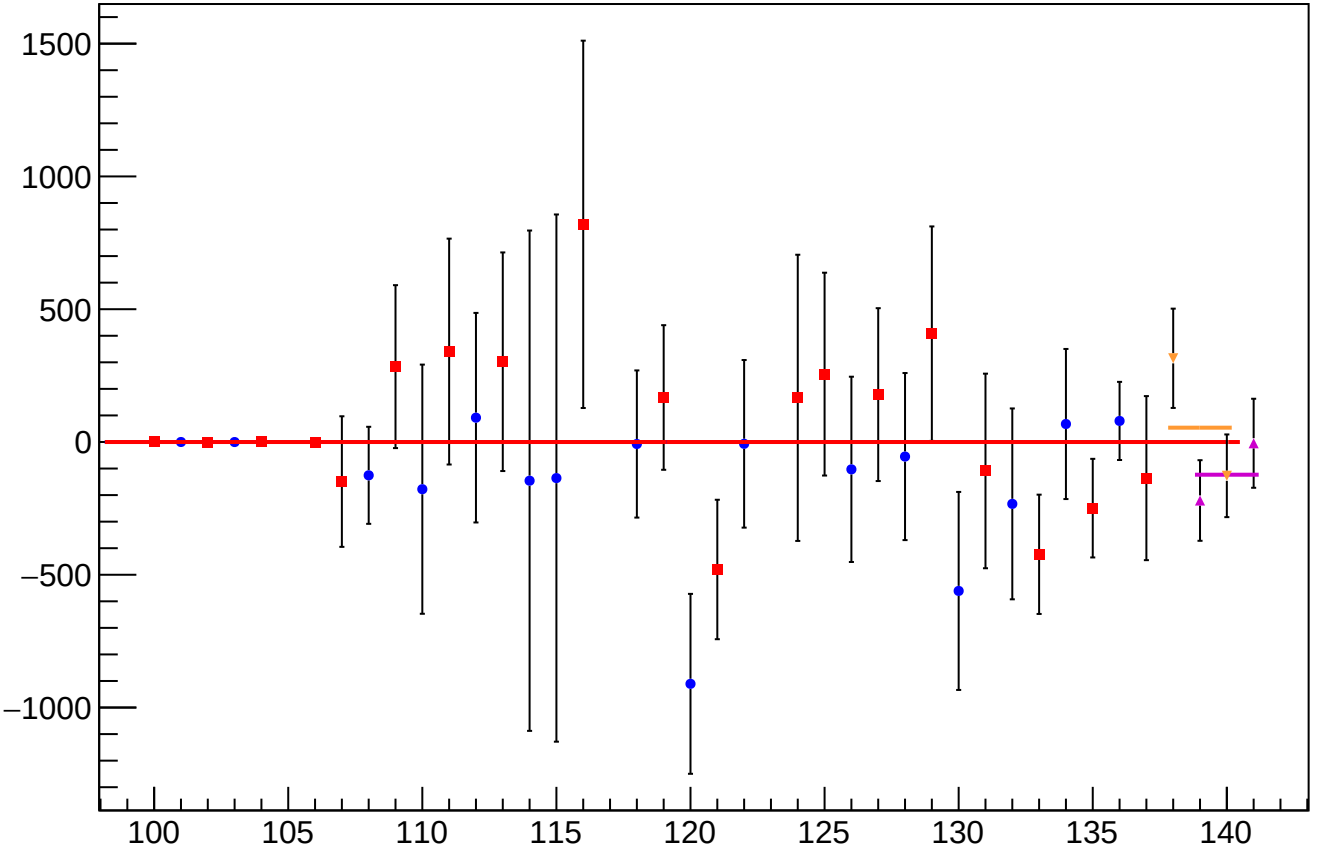
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.336+/-0.122 χ^2/NDF:14741873.9/17

Out: 149.587+/-0.113 χ^2/NDF:14476999.5/19

All: 149.471+/-0.083 χ^2/NDF: 29218875.7/37

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 53.875+/-119.645 χ^2/NDF:3.3/1

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -123.249+/-112.507 χ^2/NDF:0.9/1

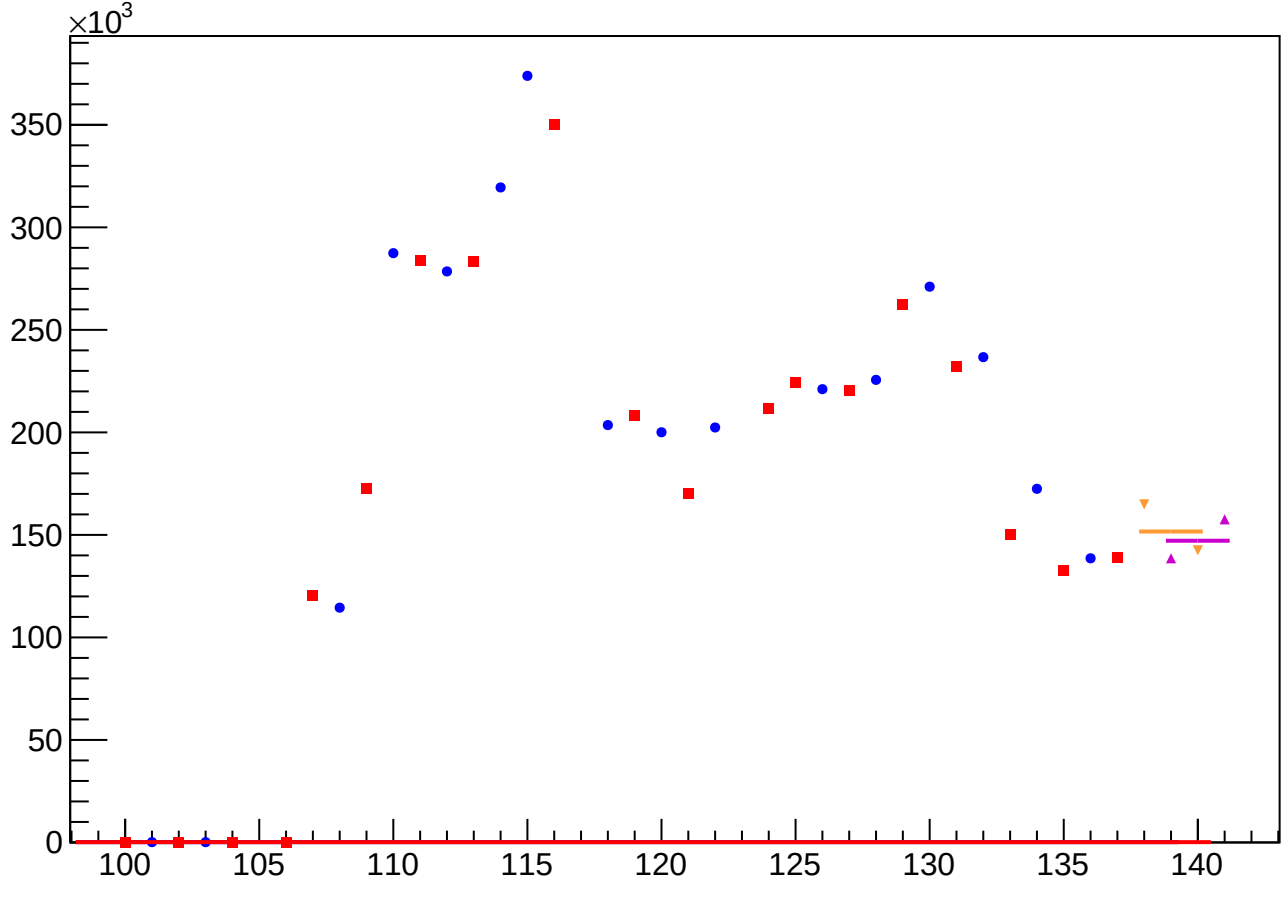
Left: -40.128+/-81.962 χ^2/NDF: 5.4/3

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:13.3/17

Out: -0.126+/-0.166 χ^2/NDF:18.7/20

All: -0.099+/-0.121 χ^2/NDF: 32.1/38



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 151661.980+/-84.602 χ^2/NDF:16998.6/1

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 147153.862+/-79.555 χ^2/NDF:14126.6/1

Left: 149269.446+/-57.956 χ^2/NDF: 32632.1/3

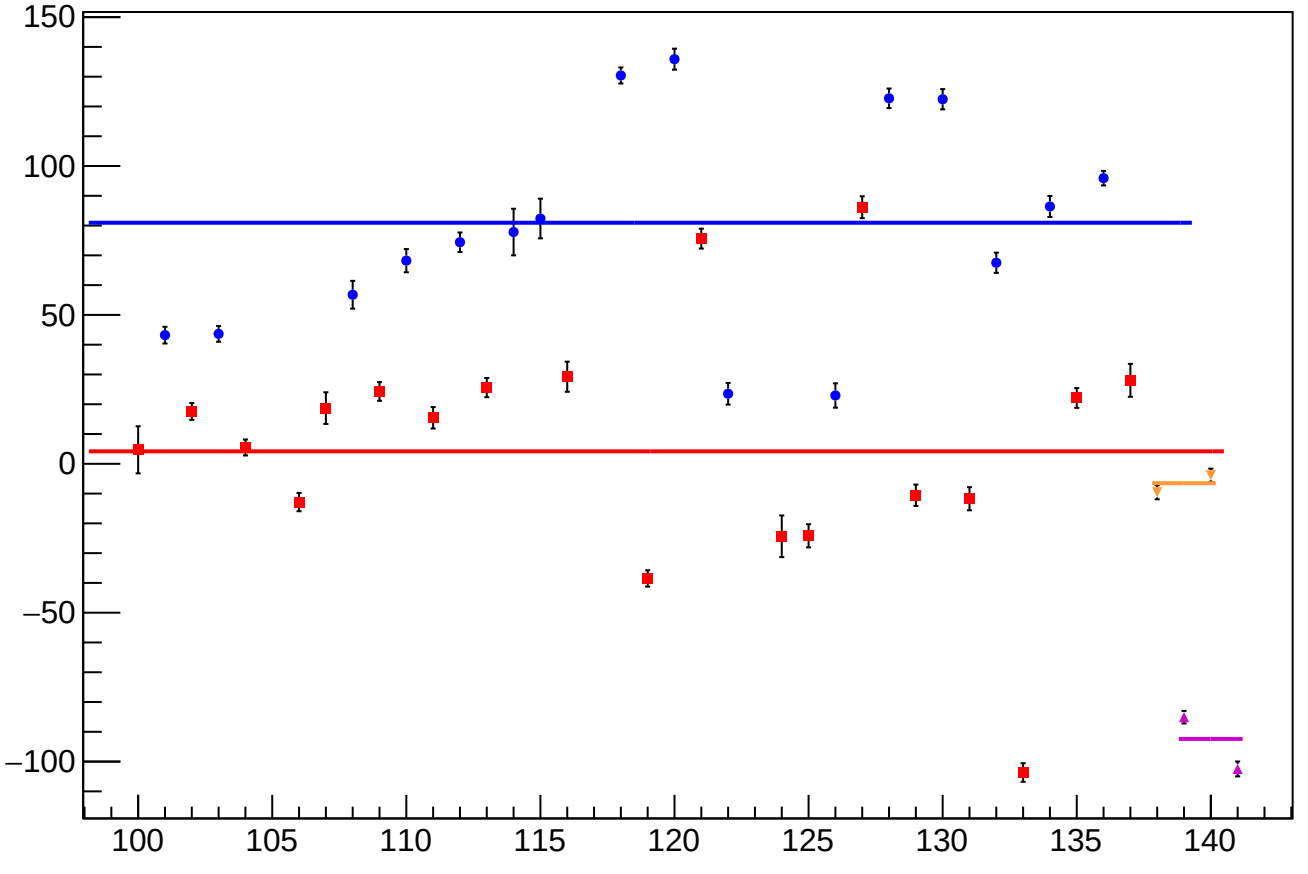
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 153.825+/-0.125 χ^2/NDF:15333378.7/17

Out: 156.451+/-0.118 χ^2/NDF:14554893.8/20

All: 155.220+/-0.086 χ^2/NDF: 29888505.8/38

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -6.520+/-1.625 χ^2/NDF:3.1/1

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -92.391+/-1.621 χ^2/NDF:28.0/1

Left: -49.552+/-1.147 χ^2/NDF: 1431.1/3

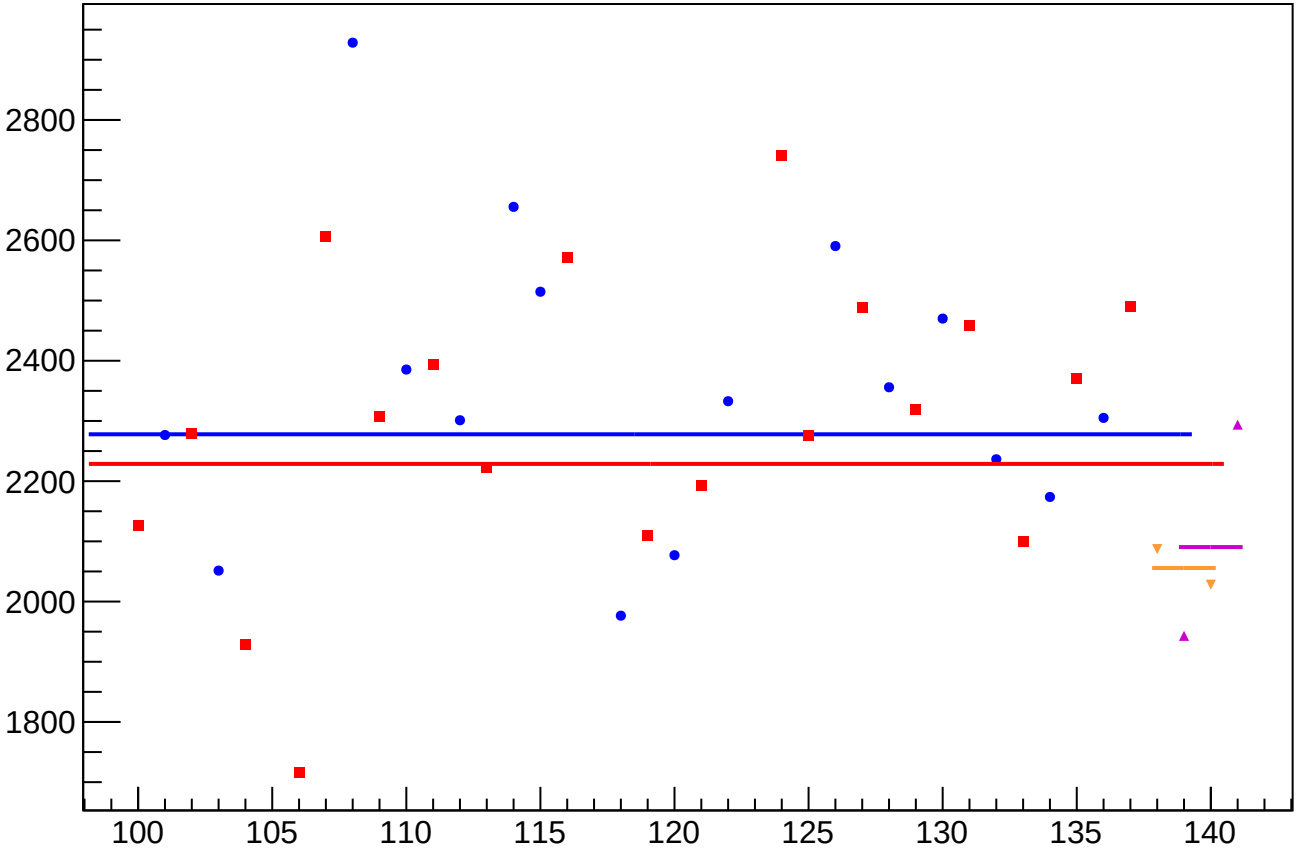
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: 43.470+/-0.754 χ^2/NDF:10804.8/17

Out: 2.009+/-0.732 χ^2/NDF:2757.4/20

All: 22.135+/-0.525 χ^2/NDF: 15119.0/38

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2055.728+/-1.149 χ^2/NDF:659.1/1

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2090.524+/-1.146 χ^2/NDF:22830.3/1

Left: 2073.165+/-0.811 χ^2/NDF: 23949.1/3

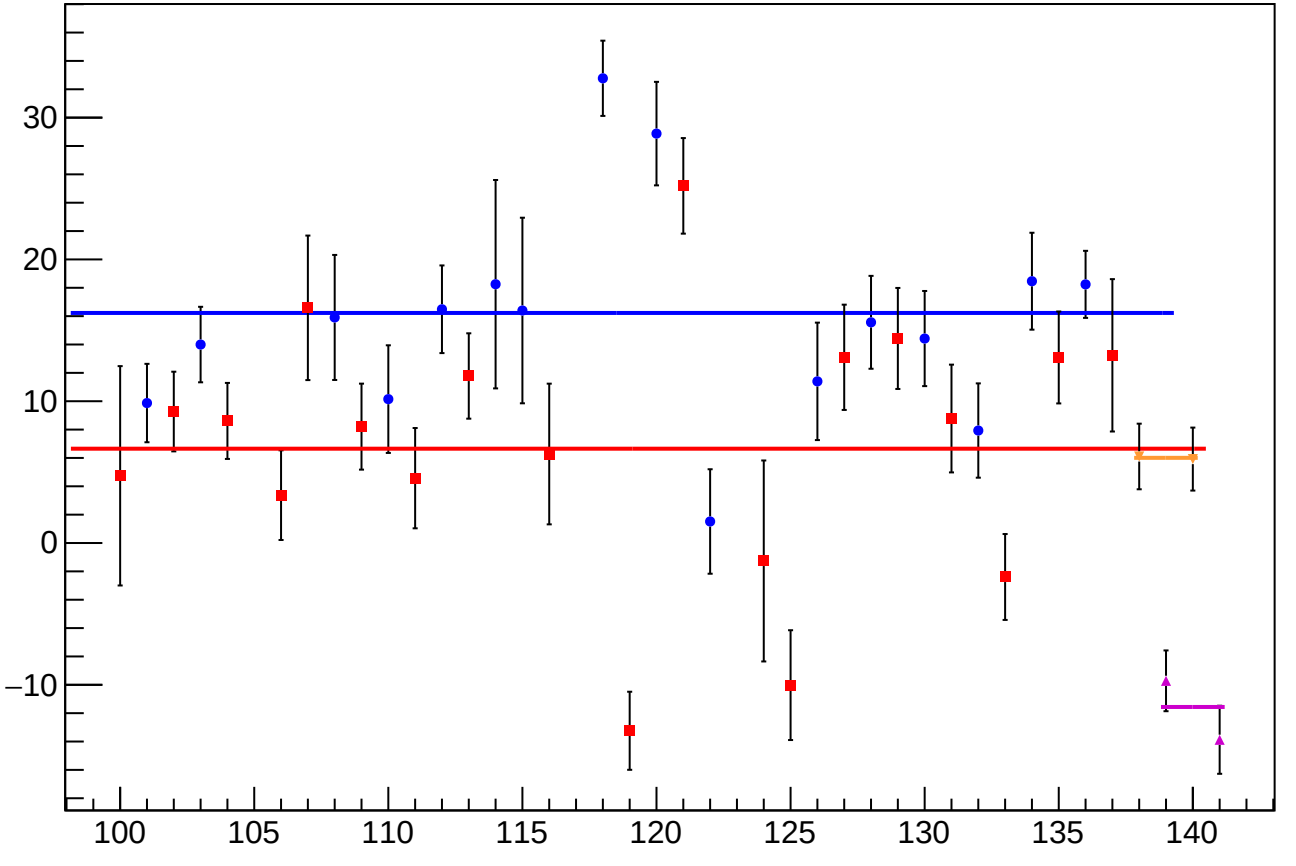
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2237.355+/-0.533 χ^2/NDF:159539.3/17

Out: 2193.566+/-0.518 χ^2/NDF:169859.6/20

All: 2214.822+/-0.371 χ^2/NDF: 332872.0/38

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 6.007+/-1.602 χ^2/NDF:0.0/1

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -11.563+/-1.598 χ^2/NDF:1.7/1

Left: -2.799+/-1.132 χ^2/NDF: 61.9/3

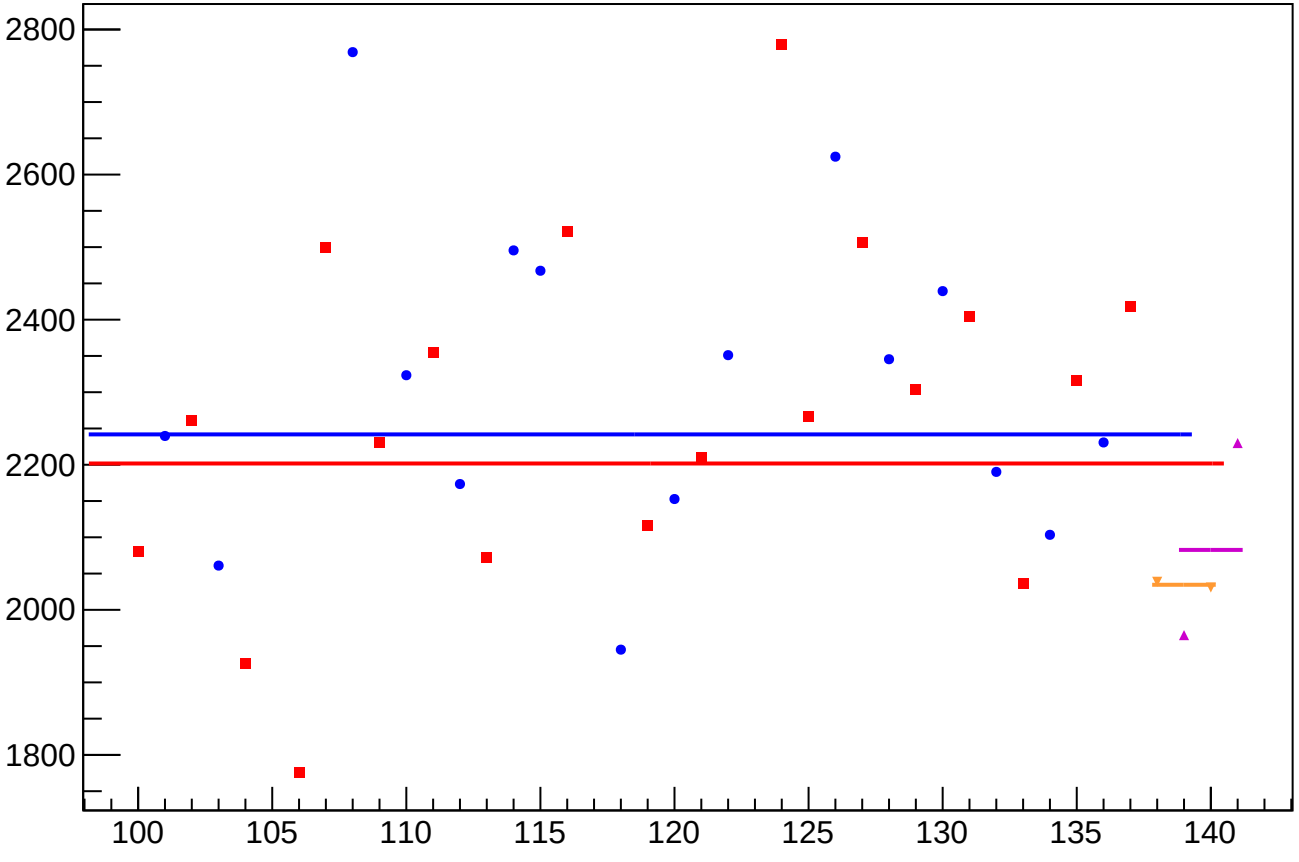
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 10.239+/-0.742 χ^2/NDF:323.3/17

Out: 6.521+/-0.722 χ^2/NDF:134.7/20

All: 8.330+/-0.518 χ^2/NDF: 470.9/38

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2034.558+/-1.133 χ^2/NDF:12.1/1

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2082.612+/-1.130 χ^2/NDF:13546.0/1

Left: 2058.642+/-0.800 χ^2/NDF: 14459.9/3

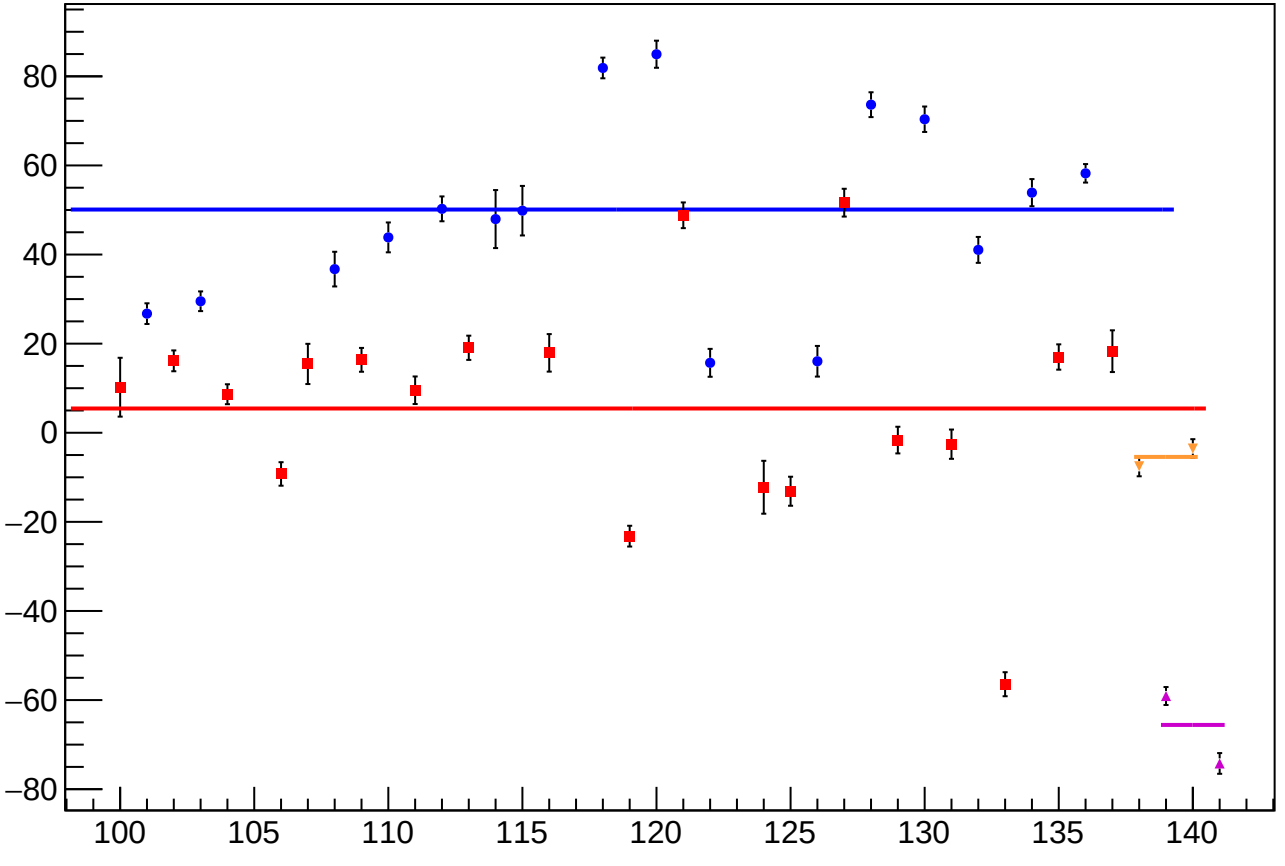
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2207.545+/-0.525 χ^2/NDF:131380.6/17

Out: 2167.754+/-0.511 χ^2/NDF:147243.9/20

All: 2187.119+/-0.366 χ^2/NDF: 281577.8/38

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -5.423+/-1.536 χ^2/NDF:1.7/1

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -65.580+/-1.523 χ^2/NDF:24.2/1

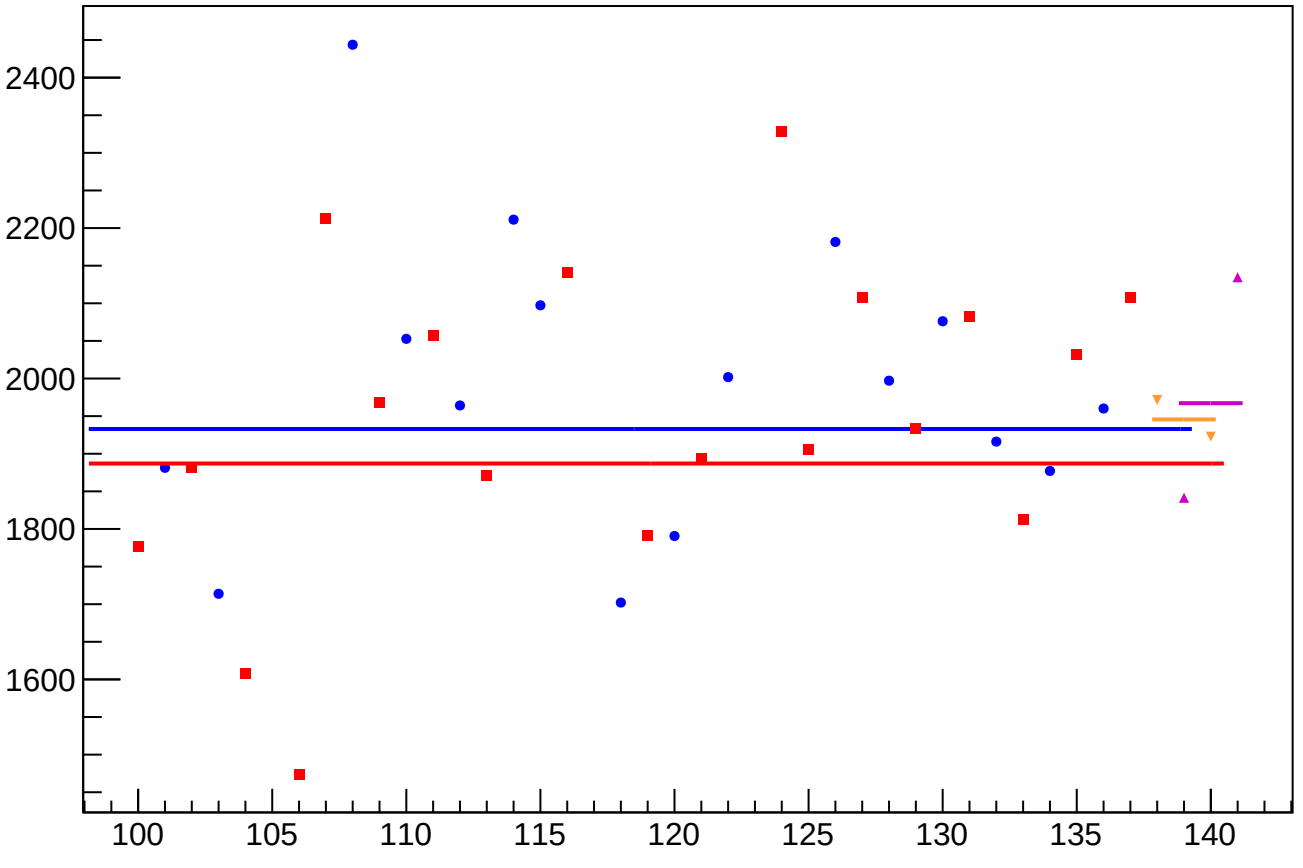
Left: -35.771+/-1.082 χ^2/NDF: 799.2/3

Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: 28.862+/-0.652 χ^2/NDF:5624.6/17

Out: 3.601+/-0.633 χ^2/NDF:1354.8/20

All: 15.843+/-0.454 χ^2/NDF: 7751.9/38



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1945.648+/-1.086 χ^2/NDF:502.2/1

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1967.237+/-1.077 χ^2/NDF:18156.8/1

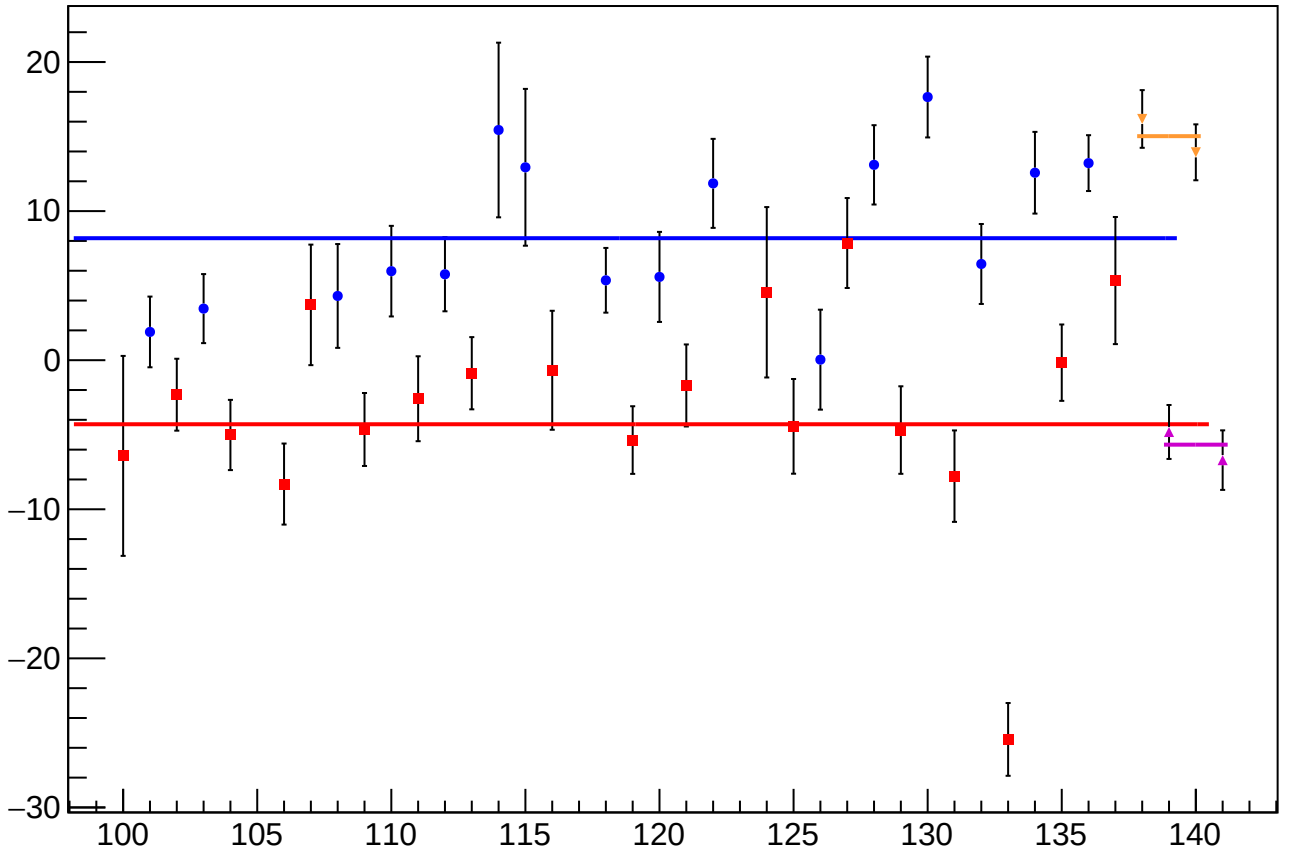
Left: 1956.539+/-0.765 χ^2/NDF: 18858.2/3

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1939.208+/-0.461 χ^2/NDF:124954.5/17

Out: 1896.949+/-0.447 χ^2/NDF:152668.3/20

All: 1917.428+/-0.321 χ^2/NDF: 281946.7/38



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 15.027+/-1.347 χ^2/NDF:0.7/1

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -5.666+/-1.341 χ^2/NDF:0.5/1

Left: 4.635+/-0.950 χ^2/NDF: 119.7/3

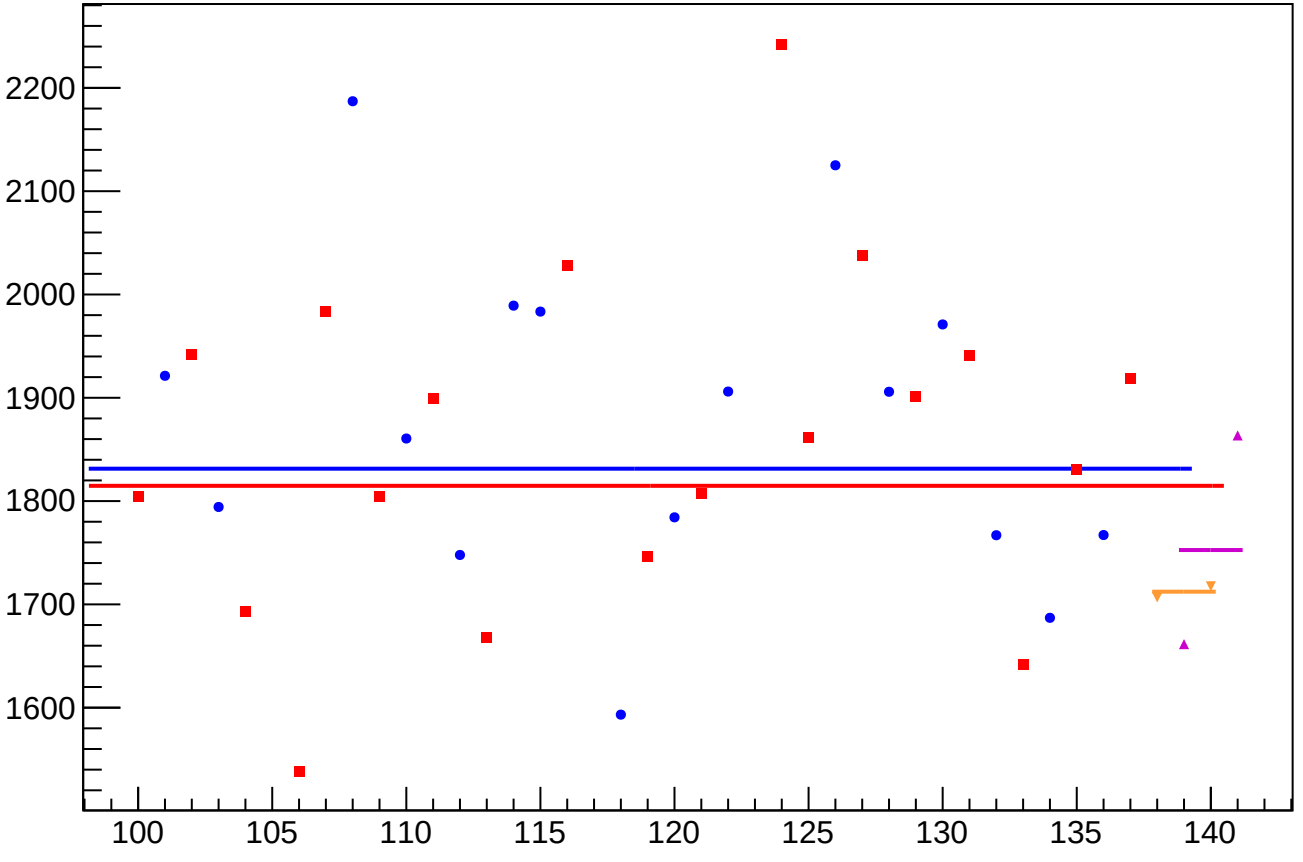
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 5.326+/-0.609 χ^2/NDF:137.1/17

Out: -0.505+/-0.597 χ^2/NDF:280.1/20

All: 2.351+/-0.426 χ^2/NDF: 464.0/38

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1712.274+/-0.952 χ^2/NDF:32.0/1

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1752.605+/-0.948 χ^2/NDF:11243.2/1

Left: 1732.530+/-0.672 χ^2/NDF: 12175.9/3

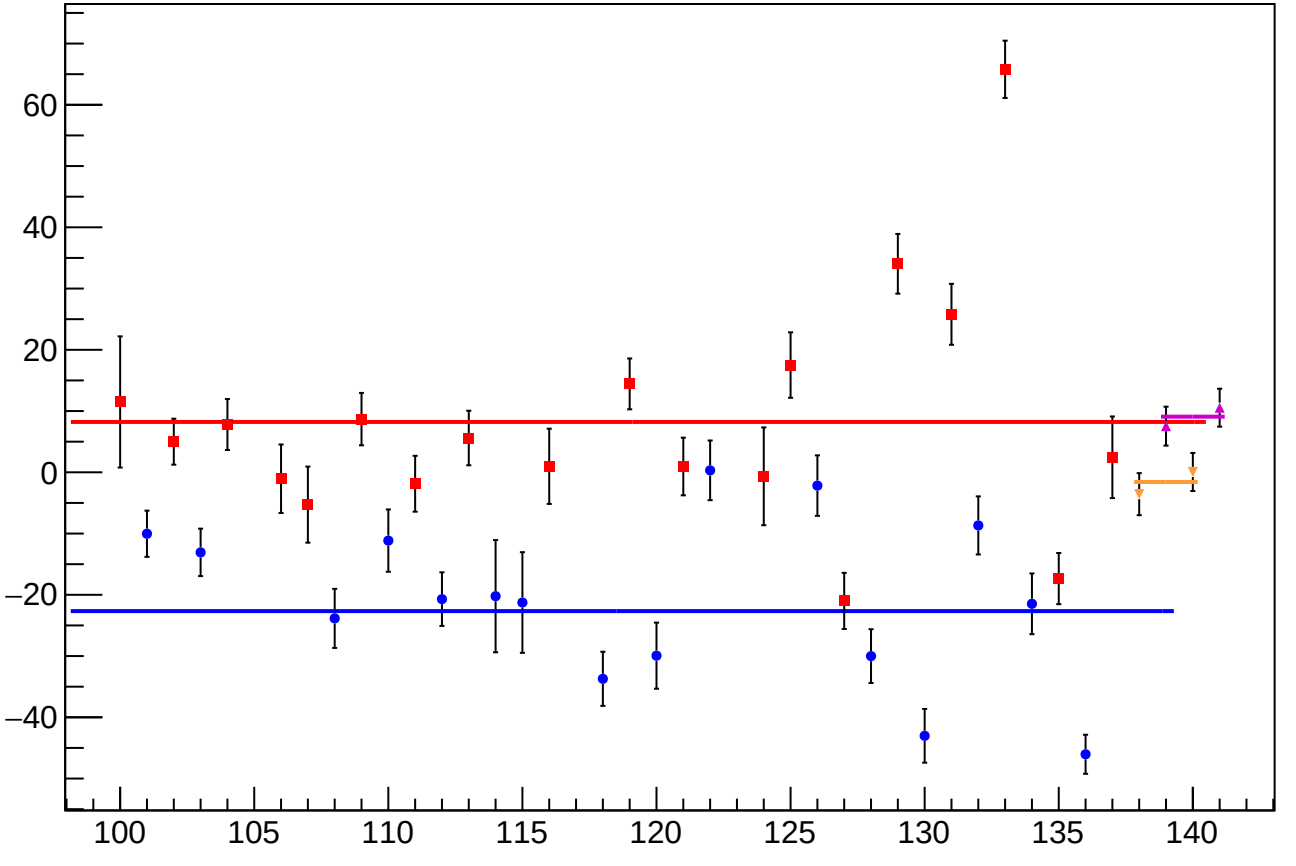
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1815.114+/-0.431 χ^2/NDF:103638.7/17

Out: 1794.661+/-0.422 χ^2/NDF:100081.1/20

All: 1804.677+/-0.301 χ^2/NDF: 204870.8/38

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -1.576+/-2.304 χ^2/NDF:0.6/1

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.083+/-2.217 χ^2/NDF:0.5/1

Left: 3.958+/-1.598 χ^2/NDF: 12.2/3

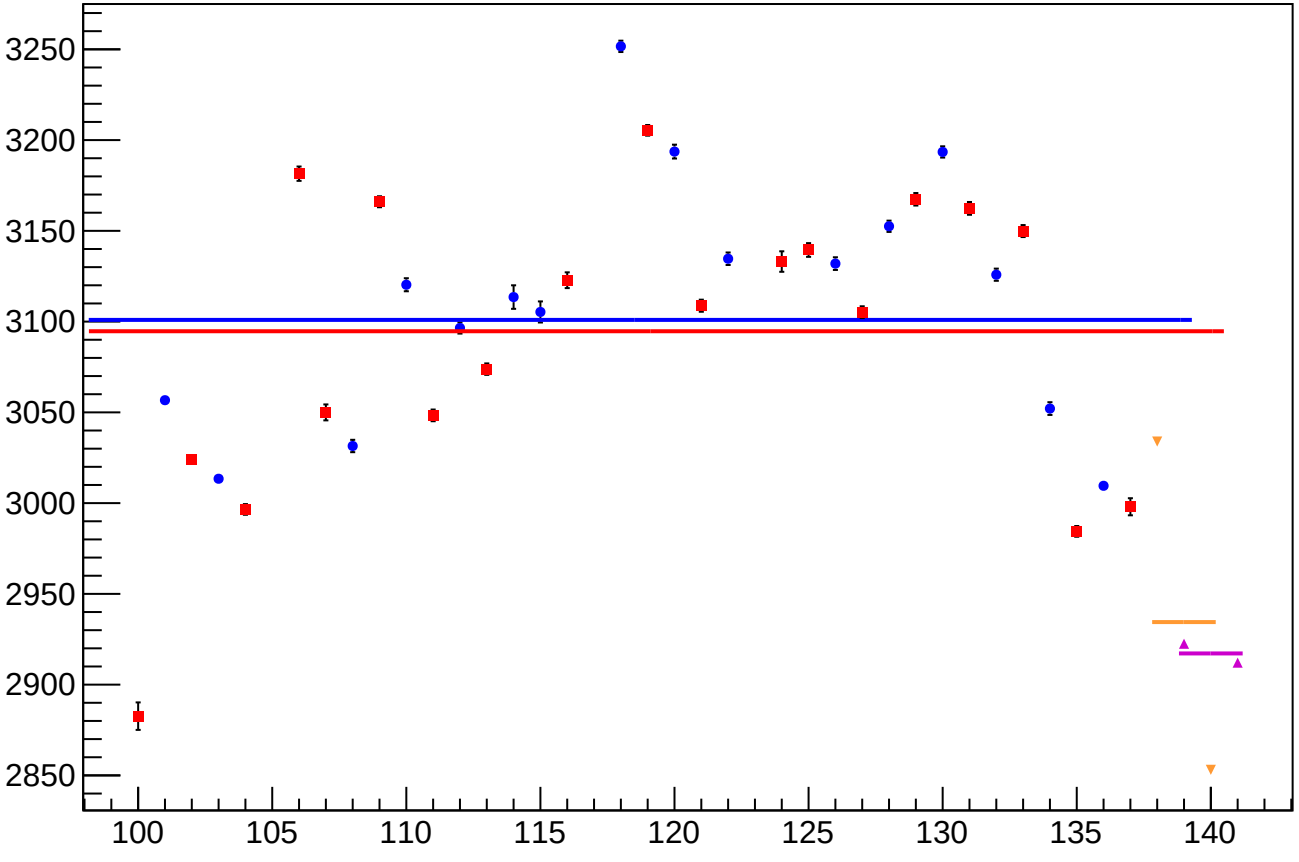
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -15.916+/-1.022 χ^2/NDF:319.1/17

Out: 6.327+/-1.014 χ^2/NDF:310.0/20

All: -4.701+/-0.720 χ^2/NDF: 867.8/38

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2934.468+/-1.629 χ^2/NDF:3049.1/1

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 2917.187+/-1.568 χ^2/NDF:11.0/1

Left: 2925.496+/-1.130 χ^2/NDF: 3118.5/3

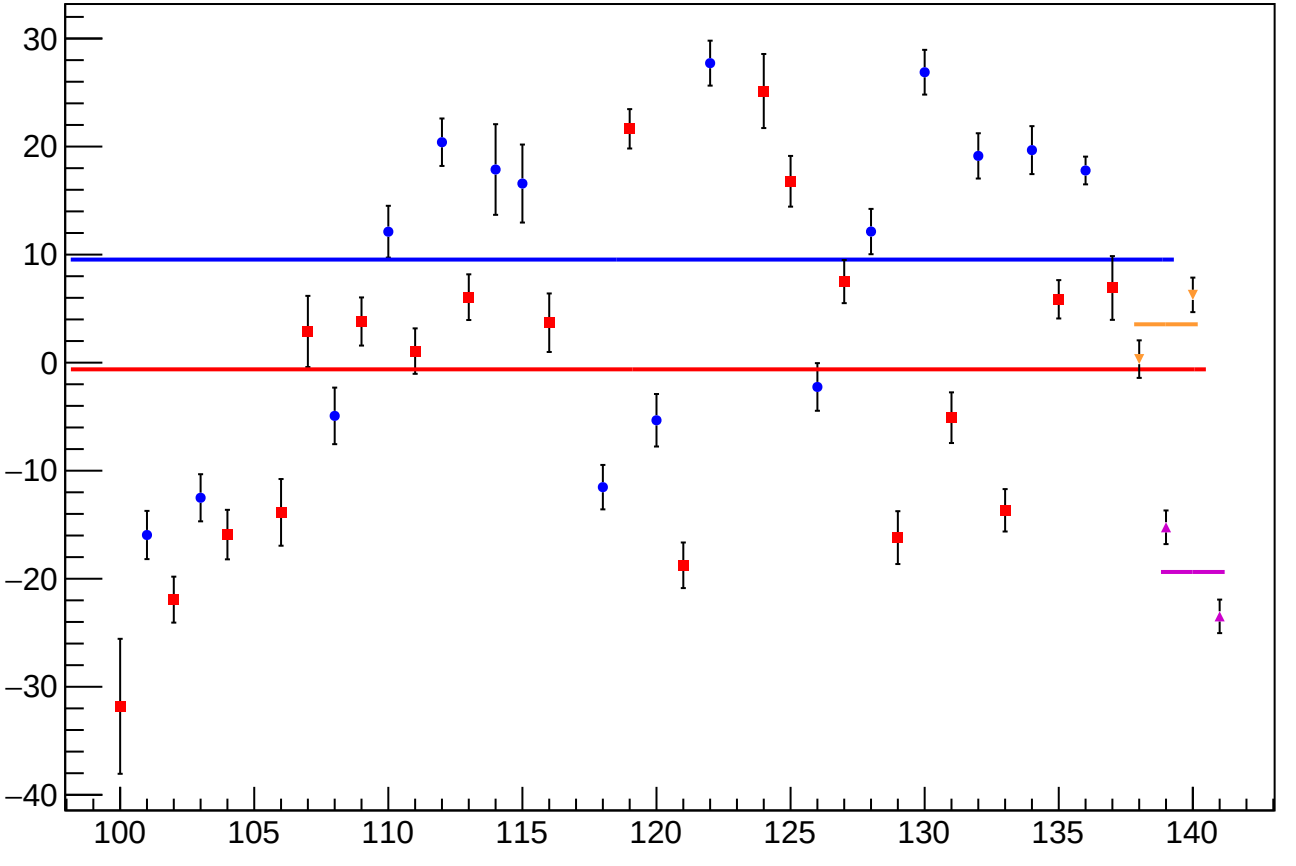
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3061.888+/-0.723 χ^2/NDF:18720.6/17

Out: 3063.680+/-0.717 χ^2/NDF:19431.5/20

All: 3062.792+/-0.509 χ^2/NDF: 38155.2/38

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 3.550+/-1.176 χ^2/NDF:6.3/1

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -19.373+/-1.099 χ^2/NDF:14.1/1

Left: -8.687+/-0.803 χ^2/NDF: 223.3/3

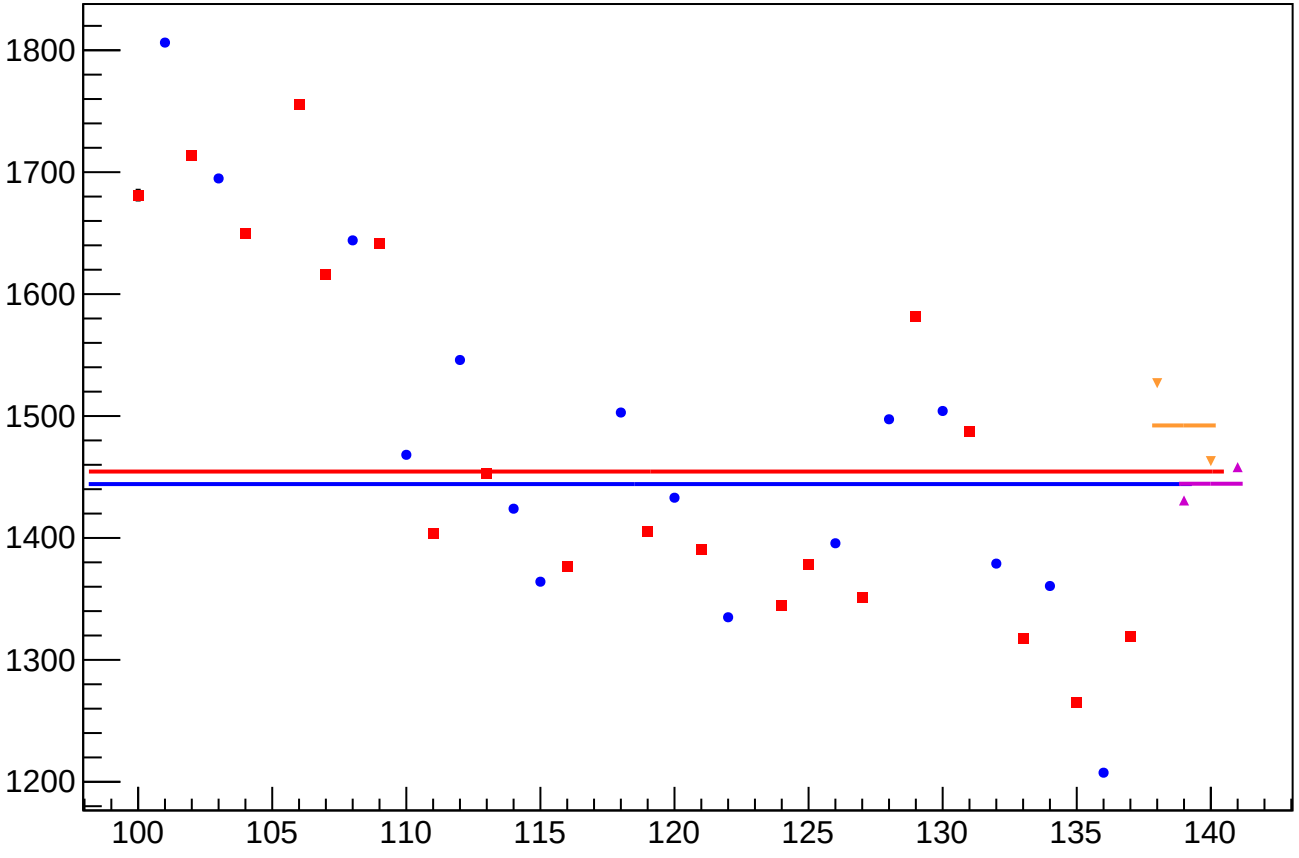
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: 3.894+/-0.486 χ^2/NDF:1269.9/17

Out: 0.093+/-0.486 χ^2/NDF:682.6/20

All: 1.997+/-0.344 χ^2/NDF: 1983.1/38

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1492.284+/-0.832 χ^2/NDF:1466.8/1

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1444.473+/-0.777 χ^2/NDF:309.1/1

Left: 1466.761+/-0.568 χ^2/NDF: 3540.9/3

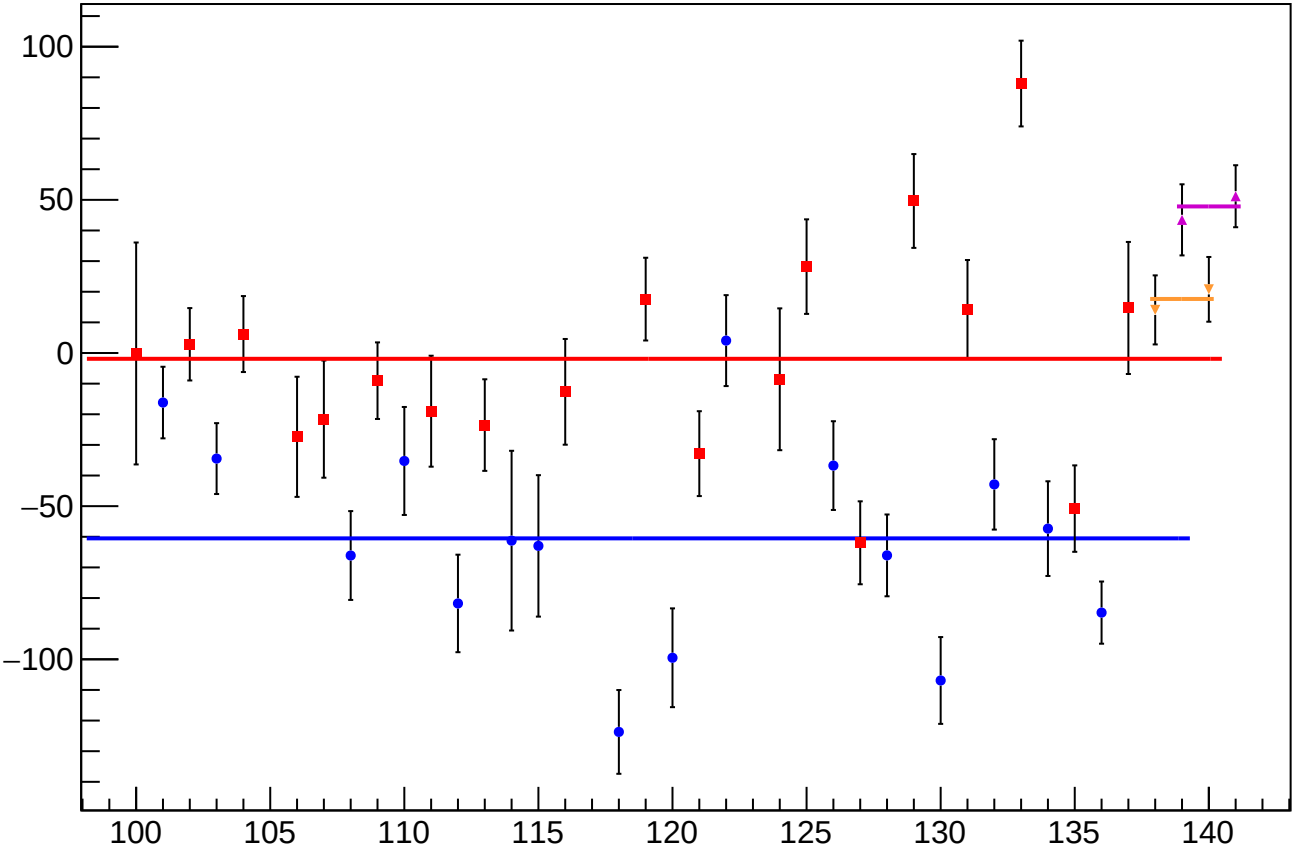
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1444.244+/-0.343 χ^2/NDF:180457.2/17

Out: 1460.937+/-0.344 χ^2/NDF:145954.1/20

All: 1452.578+/-0.243 χ^2/NDF: 327591.4/38

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: 17.646+/-7.710 χ^2/NDF:0.2/1

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 47.853+/-7.628 χ^2/NDF:0.3/1

Left: 32.910+/-5.423 χ^2/NDF: 8.2/3

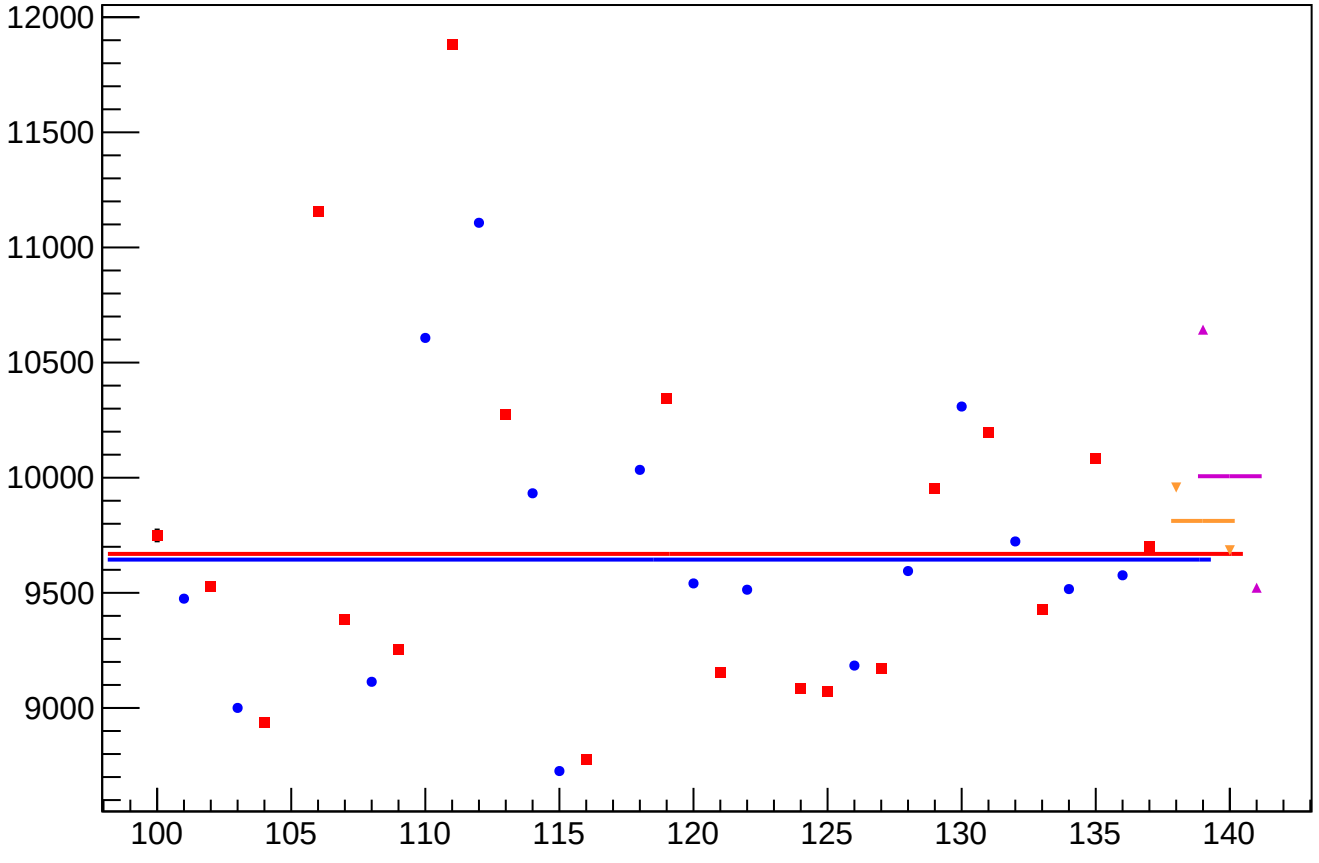
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -40.811+/-3.253 χ^2/NDF:255.7/17

Out: 1.513+/-3.219 χ^2/NDF:109.3/20

All: -19.429+/-2.288 χ^2/NDF: 450.6/38

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9812.453+/-5.452 χ^2/NDF:622.5/1

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10006.467+/-5.394 χ^2/NDF:10592.3/1

Left: 9910.490+/-3.834 χ^2/NDF: 11854.8/3

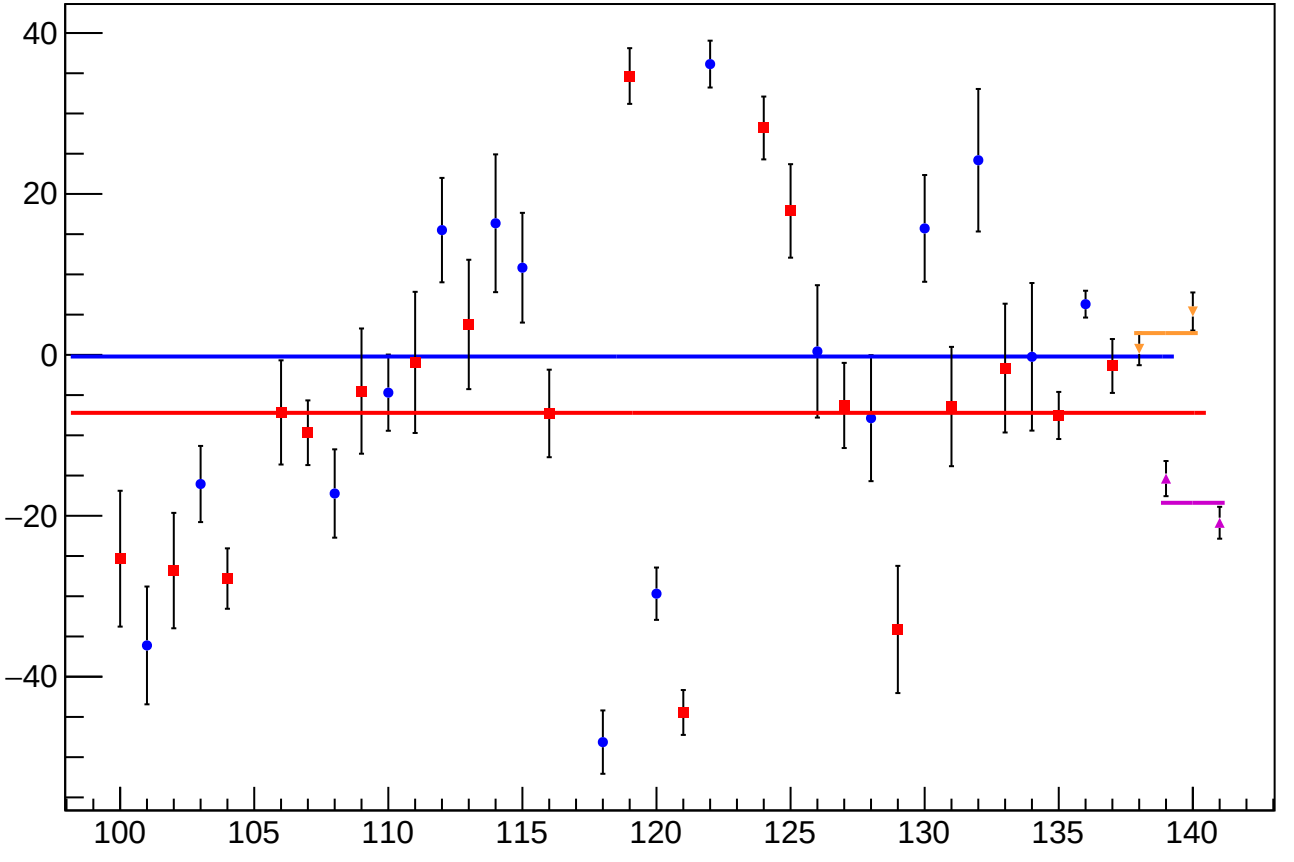
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9710.232+/-2.300 χ^2/NDF:58380.2/17

Out: 9694.122+/-2.276 χ^2/NDF:81071.2/20

All: 9702.093+/-1.618 χ^2/NDF: 139476.2/38

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 2.706+/-1.538 χ^2/NDF:2.2/1

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -18.387+/-1.468 χ^2/NDF:3.5/1

Left: -8.333+/-1.062 χ^2/NDF: 104.1/3

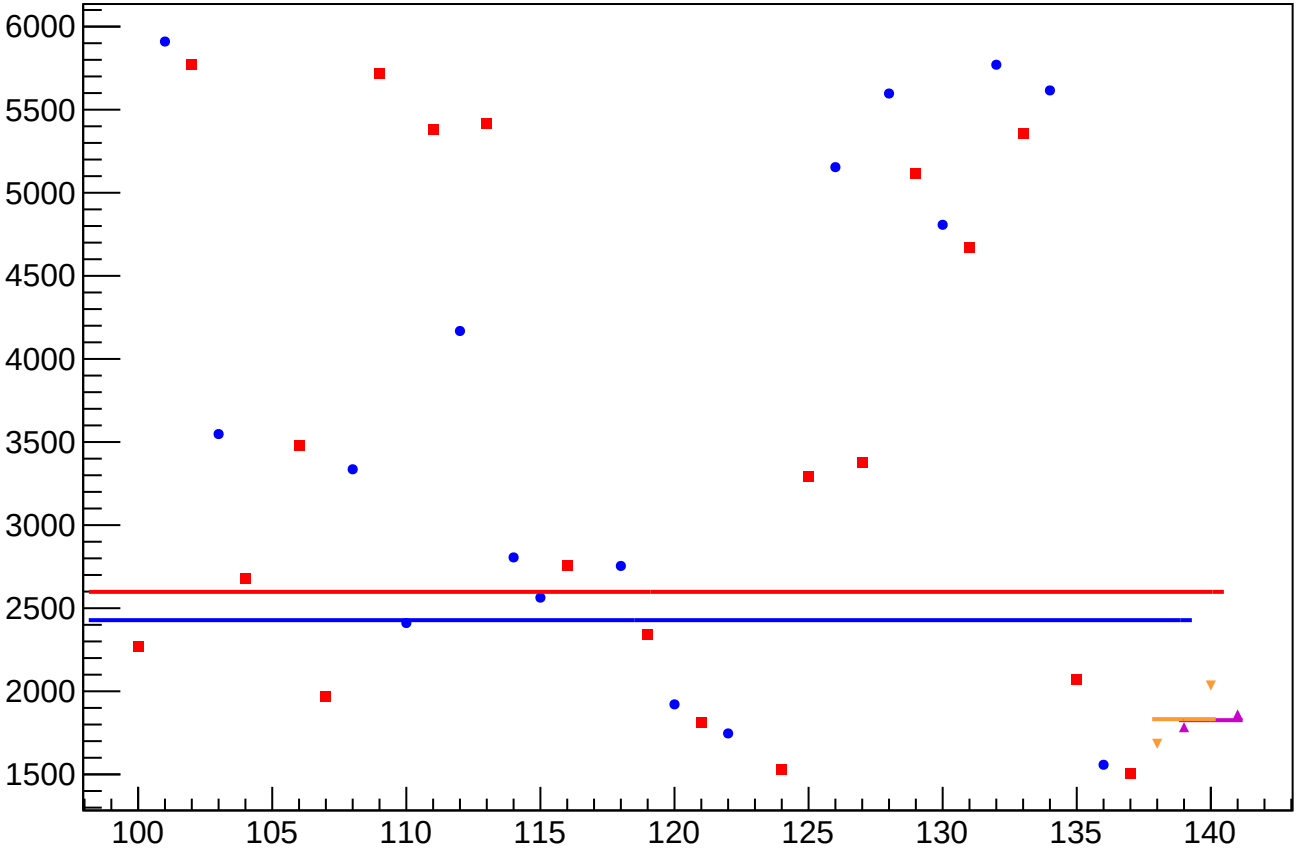
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -6.324+/-0.851 χ^2/NDF:579.0/17

Out: -3.959+/-0.880 χ^2/NDF:515.8/20

All: -5.181+/-0.612 χ^2/NDF: 1098.5/38

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1832.401+/-1.088 χ^2/NDF:25377.8/1

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 1826.272+/-1.038 χ^2/NDF:1350.0/1

Left: 1829.193+/-0.751 χ^2/NDF: 26744.4/3

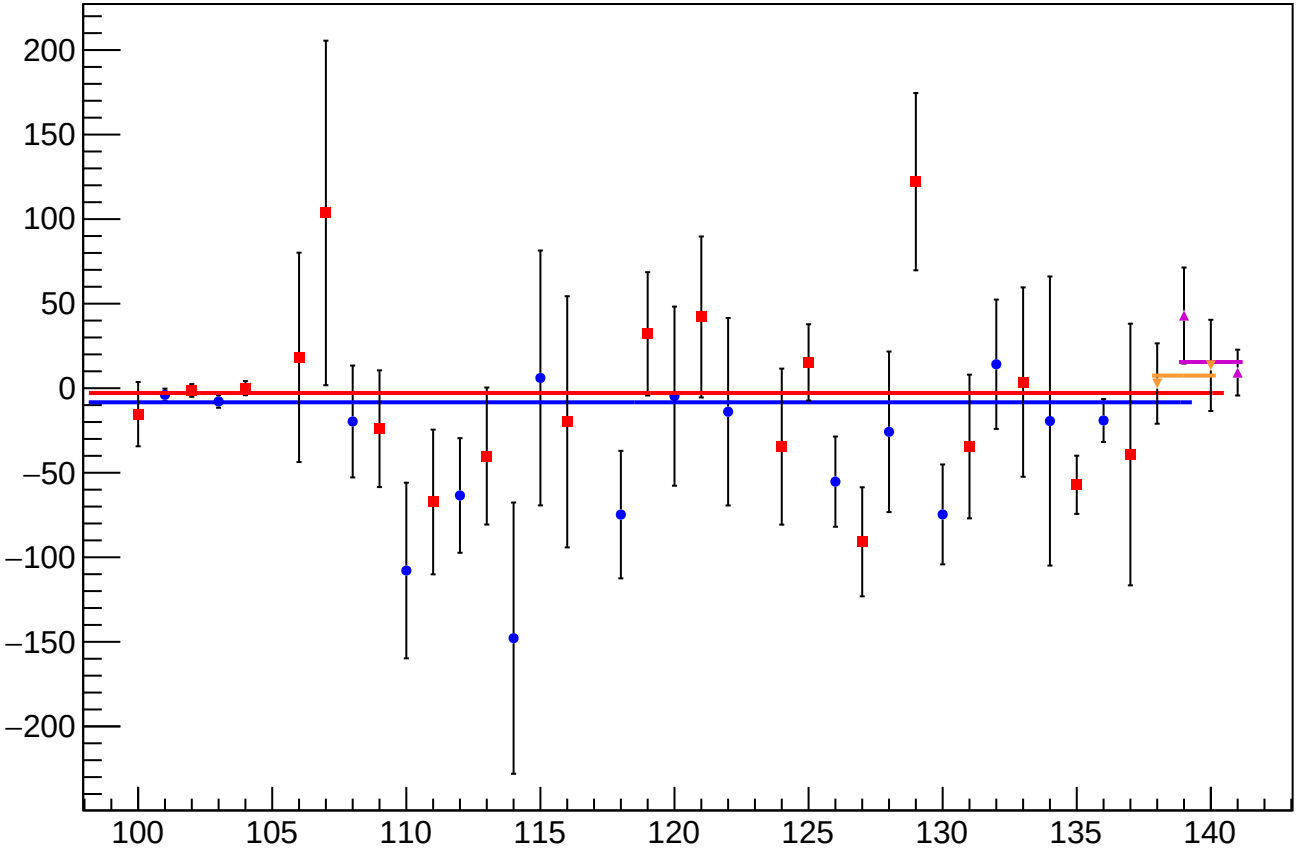
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2225.567+/-0.602 χ^2/NDF:3039742.0/17

Out: 2347.408+/-0.623 χ^2/NDF:2873760.9/20

All: 2284.456+/-0.433 χ^2/NDF: 5933295.5/38

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.447+/-17.832 χ^2/NDF:0.1/1

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 15.489+/-12.229 χ^2/NDF:1.1/1

Left: 12.917+/-10.086 χ^2/NDF: 1.4/3

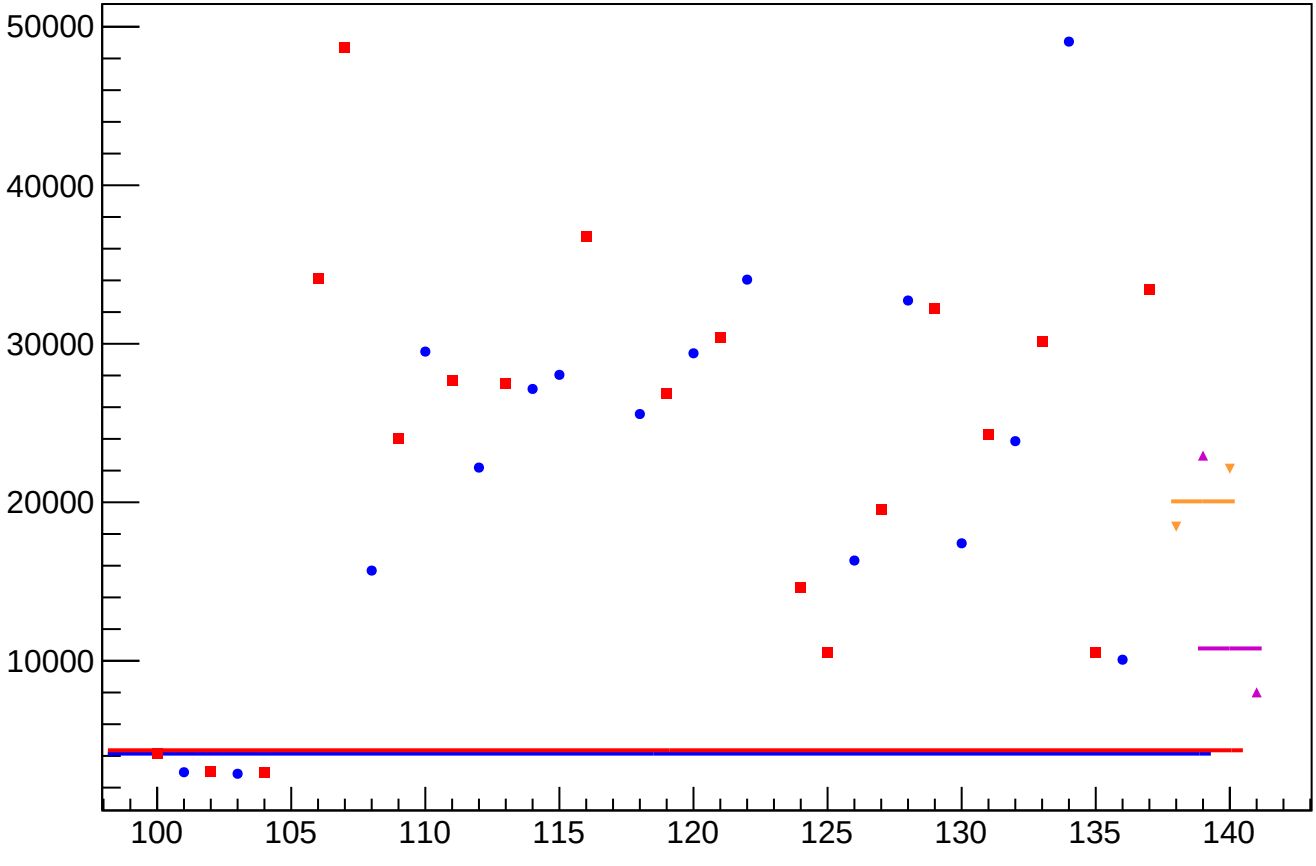
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -7.377+/-2.449 χ^2/NDF:28.2/17

Out: -2.627+/-2.611 χ^2/NDF:33.0/20

All: -5.155+/-1.786 χ^2/NDF: 63.0/38

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 20059.017+/-12.609 χ^2/NDF:20664.8/1

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 10780.135+/-8.648 χ^2/NDF:450689.6/1

Left: 13748.223+/-7.132 χ^2/NDF: 839645.1/3

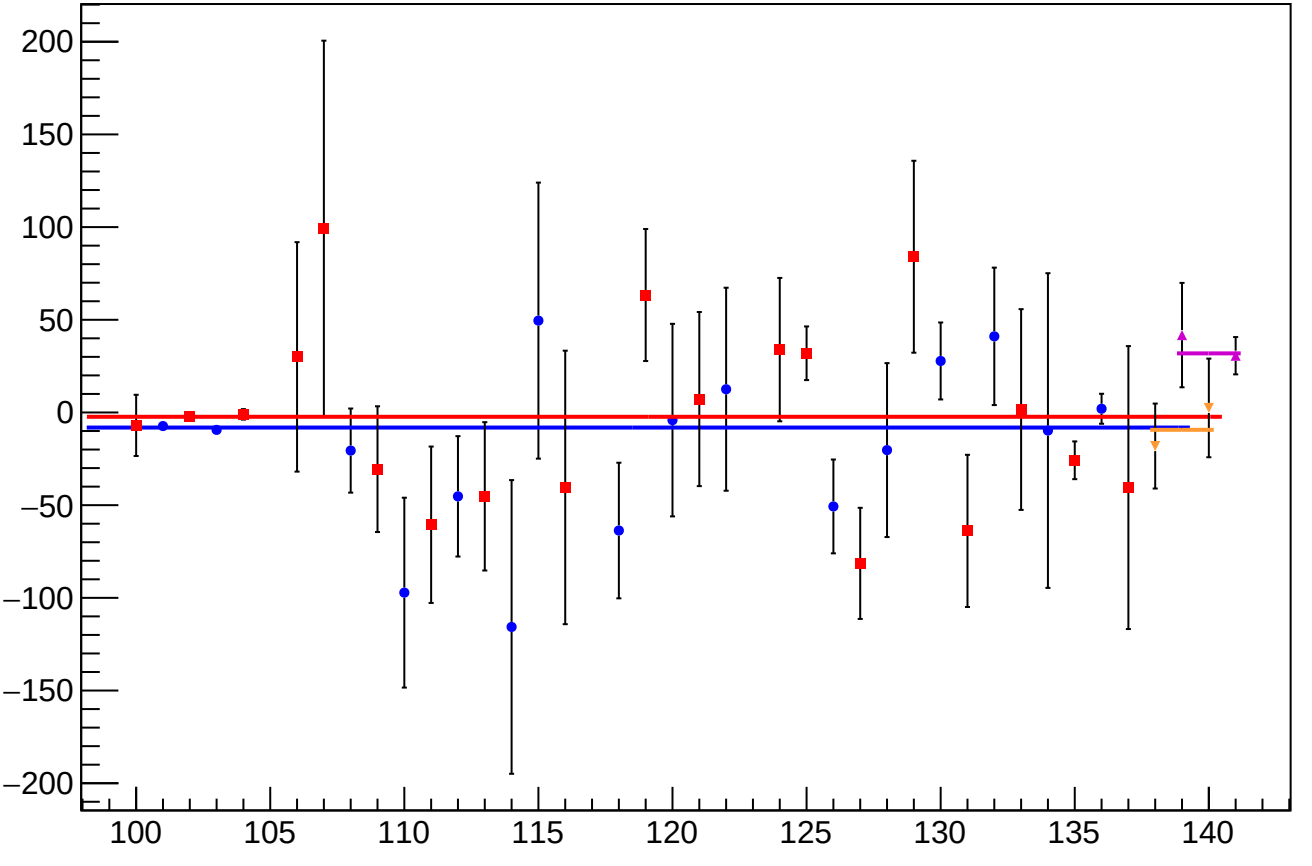
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 4411.792+/-1.732 χ^2/NDF:7852632.5/17

Out: 4691.149+/-1.846 χ^2/NDF:9163355.1/20

All: 4542.516+/-1.263 χ^2/NDF: 17028167.8/3

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -9.358+/-17.361 χ^2/NDF:0.3/1

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 31.883+/-9.477 χ^2/NDF:0.1/1

Left: 22.416+/-8.318 χ^2/NDF: 4.8/3

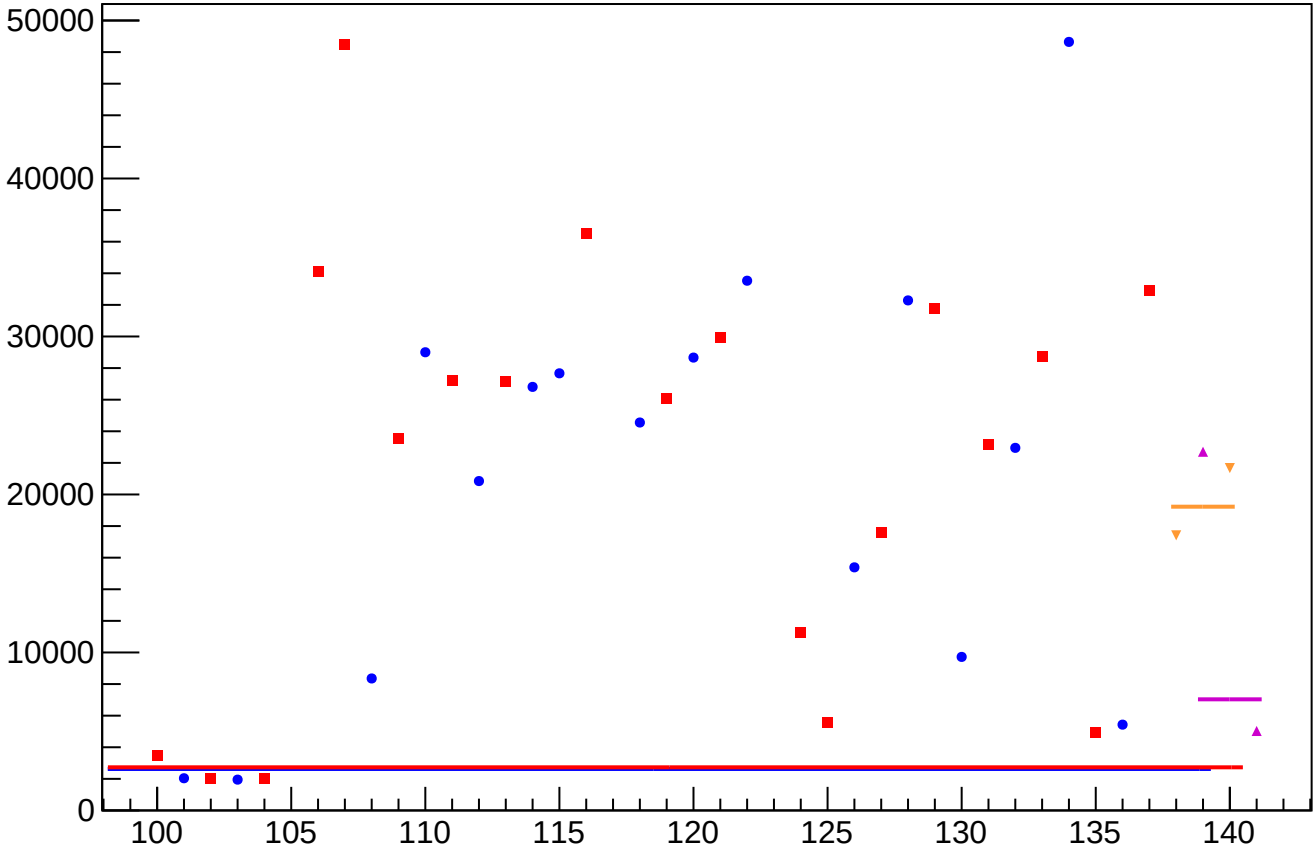
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.856+/-1.693 χ^2/NDF:36.5/17

Out: -2.401+/-1.812 χ^2/NDF:33.6/20

All: -4.780+/-1.237 χ^2/NDF: 73.3/38

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 19226.612+/-12.276 χ^2/NDF:29414.9/1

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 7033.562+/-6.701 χ^2/NDF:698656.8/1

Left: 9832.575+/-5.882 χ^2/NDF: 1488087.4/3

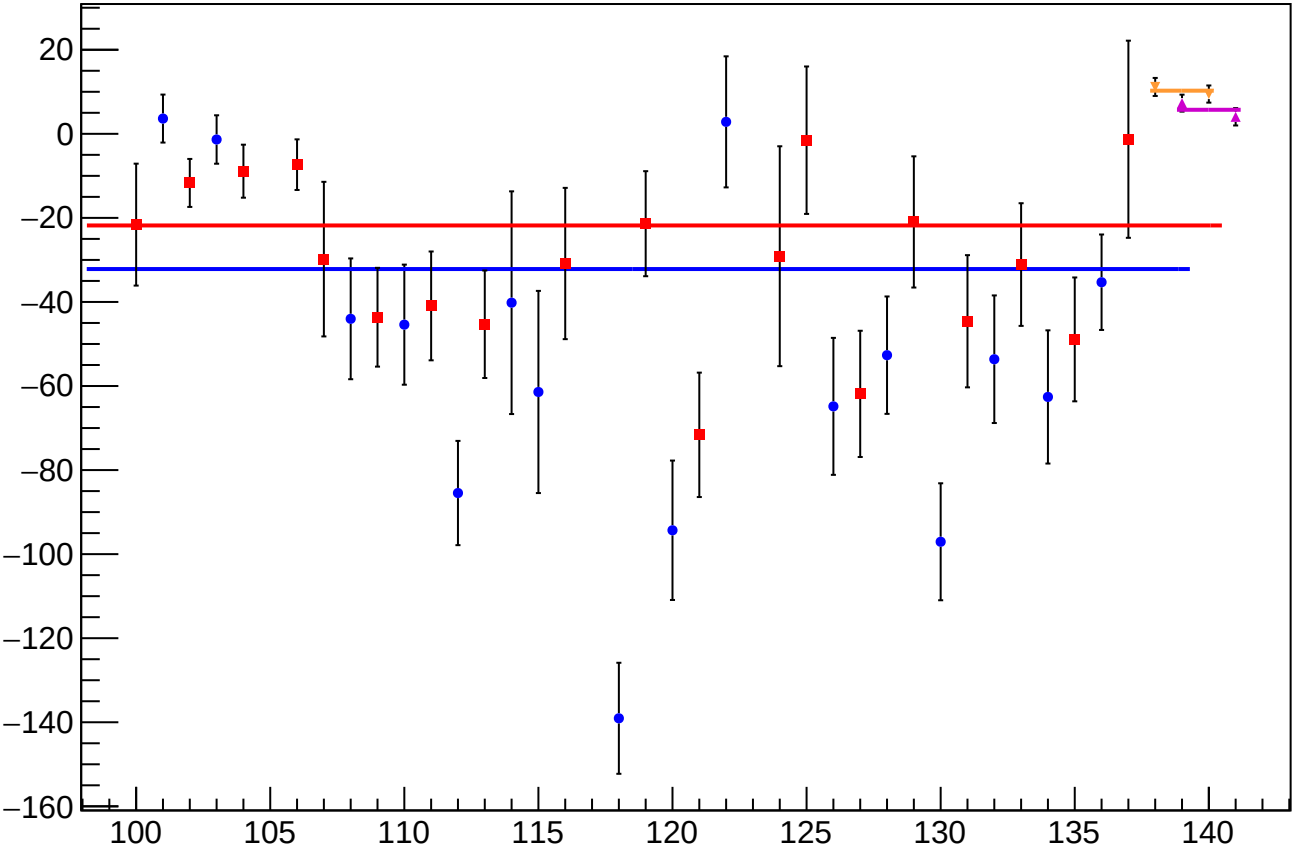
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 2767.036+/-1.197 χ^2/NDF:7898273.2/17

Out: 2909.872+/-1.281 χ^2/NDF:9801392.9/20

All: 2833.610+/-0.875 χ^2/NDF: 17706303.5/3

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.266+/-1.478 χ^2/NDF:0.3/1

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 5.720+/-1.444 χ^2/NDF:1.3/1

Left: 7.940+/-1.033 χ^2/NDF: 6.4/3

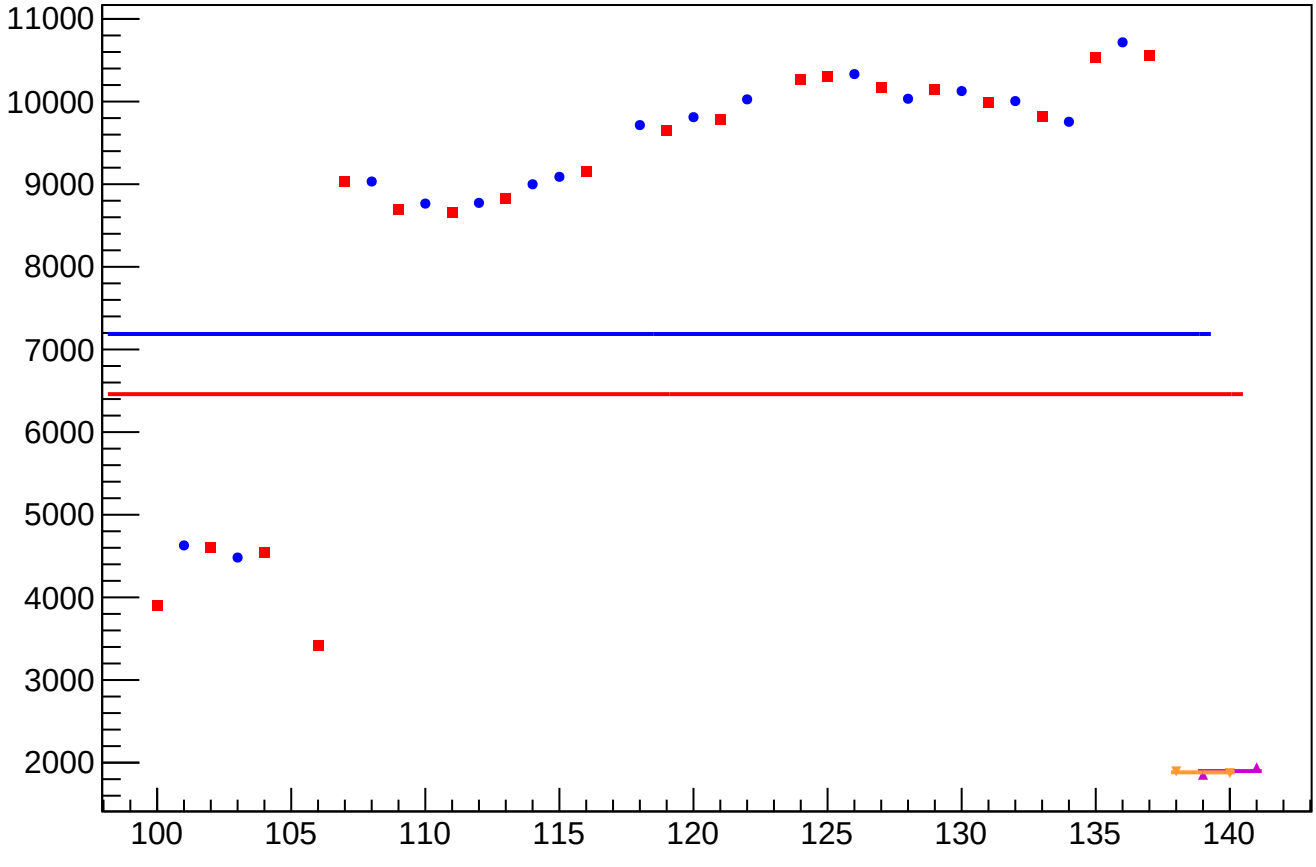
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: -2.057+/-1.287 χ^2/NDF:350.3/17

Out: 2.234+/-1.280 χ^2/NDF:167.3/20

All: 0.101+/-0.908 χ^2/NDF: 523.2/38

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1882.755+/-1.045 χ^2/NDF:103.8/1

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 1897.999+/-1.021 χ^2/NDF:1914.7/1

Left: 1890.555+/-0.730 χ^2/NDF: 2127.3/3

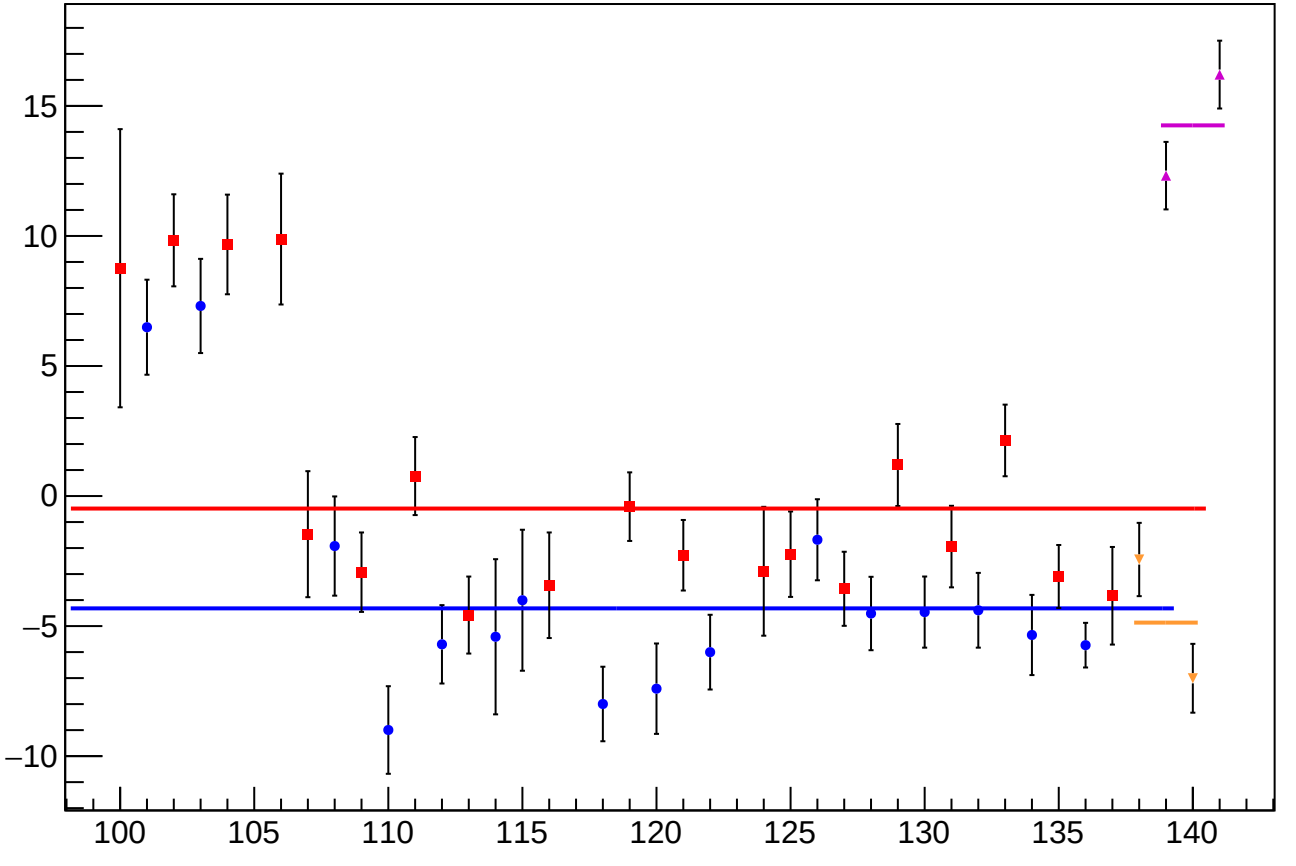
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2983.655+/-0.910 χ^2/NDF:7214685.2/17

Out: 3029.088+/-0.905 χ^2/NDF:7077324.0/20

All: 3006.505+/-0.642 χ^2/NDF: 14293261.9/3

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.866+/-0.965 χ^2/NDF:5.6/1

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 14.252+/-0.920 χ^2/NDF:4.5/1

Left: 5.146+/-0.666 χ^2/NDF: 215.8/3

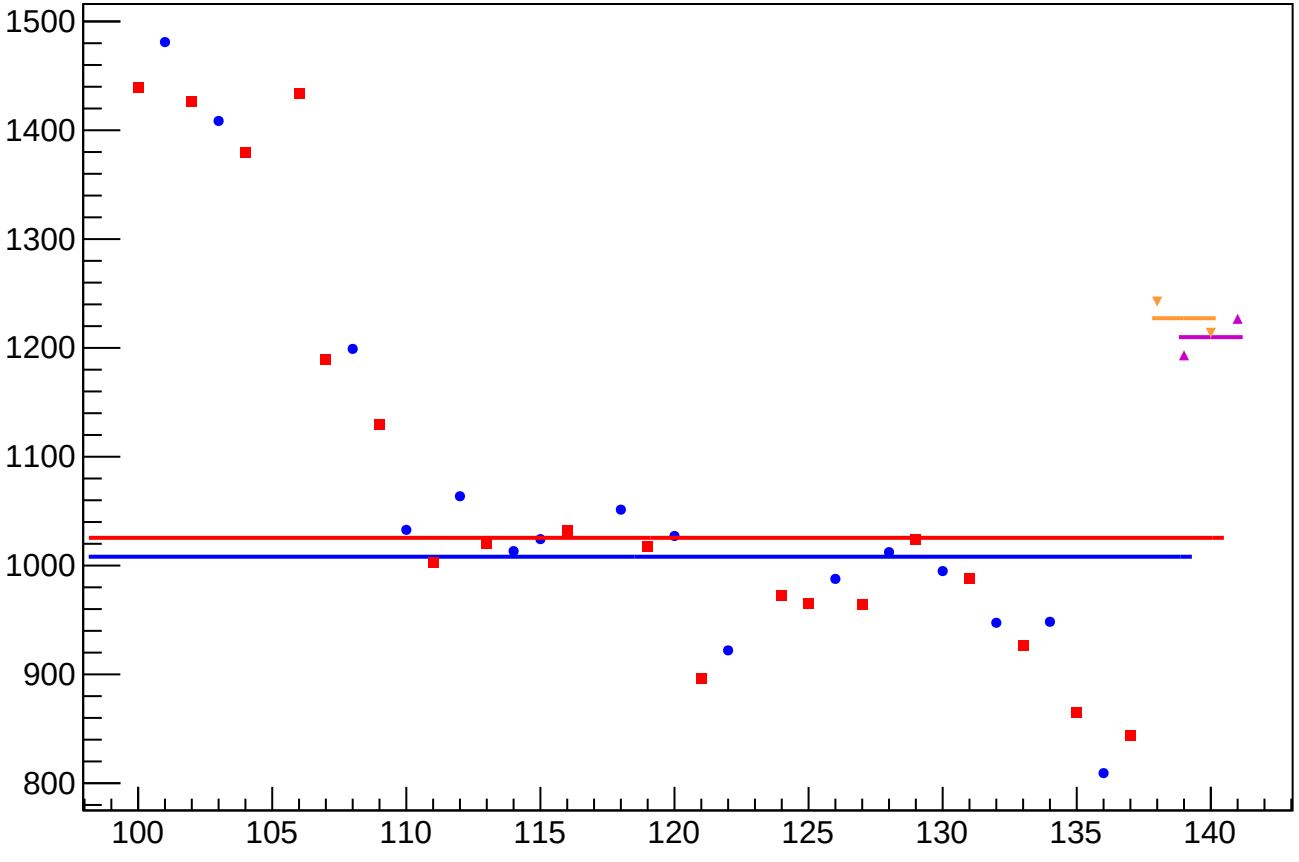
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: -1.615+/-0.351 χ^2/NDF:456.3/17

Out: -1.066+/-0.352 χ^2/NDF:140.7/20

All: -1.342+/-0.249 χ^2/NDF: 598.2/38

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1227.292+/-0.682 χ^2/NDF:441.7/1

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1209.896+/-0.651 χ^2/NDF:664.6/1

Left: 1218.182+/-0.471 χ^2/NDF: 1446.9/3

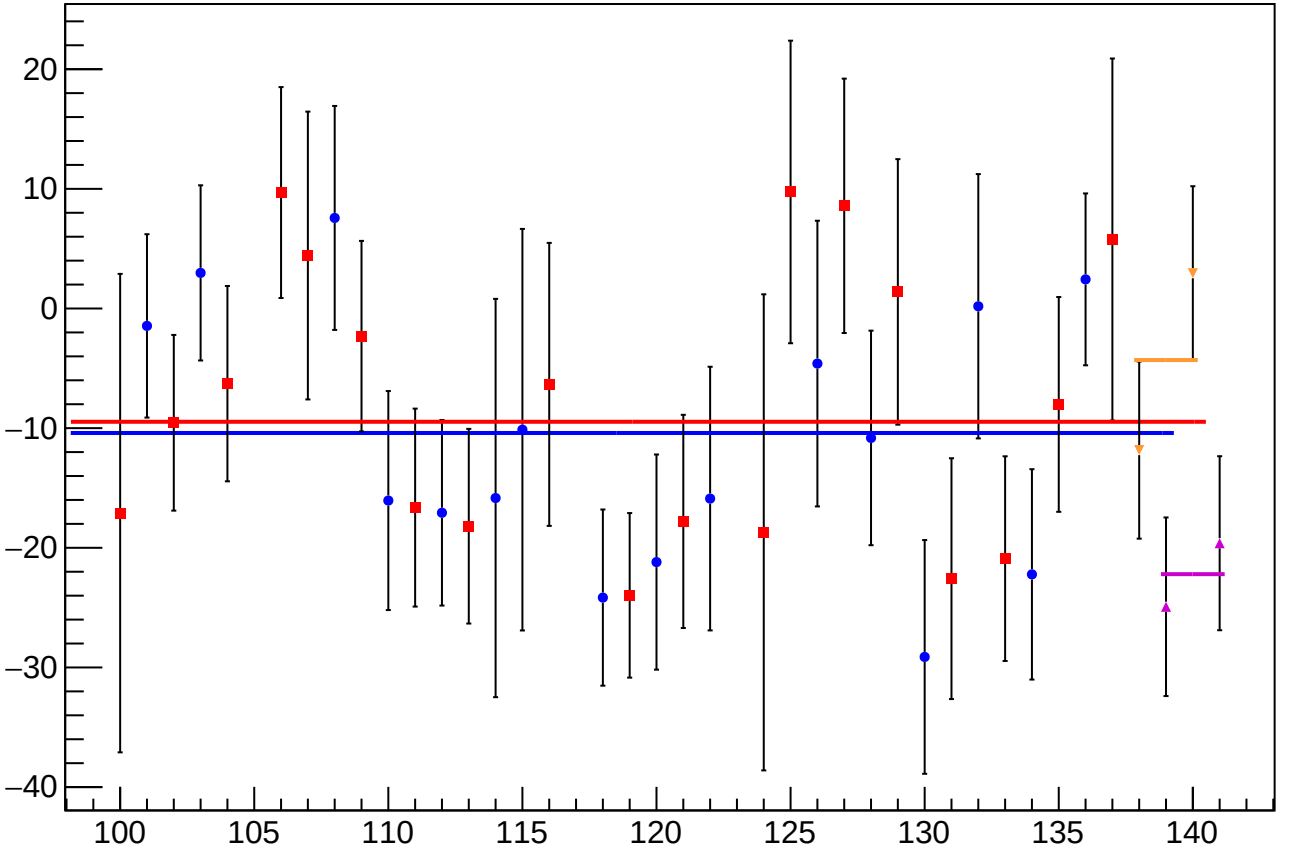
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1037.491+/-0.248 χ^2/NDF:461708.6/17

Out: 1052.430+/-0.249 χ^2/NDF:422277.9/20

All: 1044.929+/-0.176 χ^2/NDF: 885790.3/38

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -4.309+/-5.187 χ^2/NDF:2.0/1

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -22.203+/-5.208 χ^2/NDF:0.3/1

Left: -13.219+/-3.675 χ^2/NDF: 8.2/3

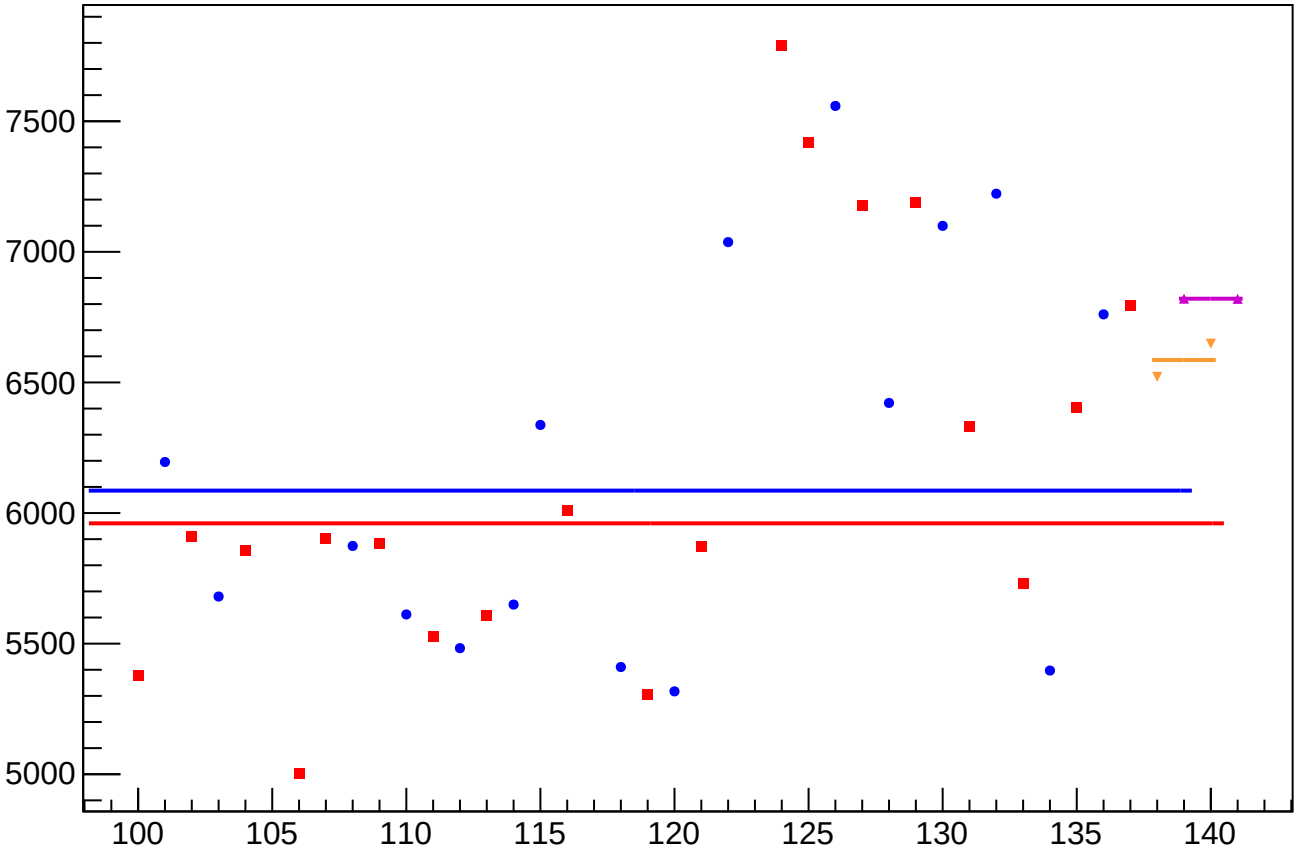
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.301+/-2.089 χ^2/NDF:29.2/17

Out: -8.686+/-2.018 χ^2/NDF:28.2/20

All: -10.432+/-1.451 χ^2/NDF: 59.0/38

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6585.988+/-3.668 χ^2/NDF:299.4/1

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6820.527+/-3.683 χ^2/NDF:0.0/1

Left: 6702.777+/-2.599 χ^2/NDF: 2335.8/3

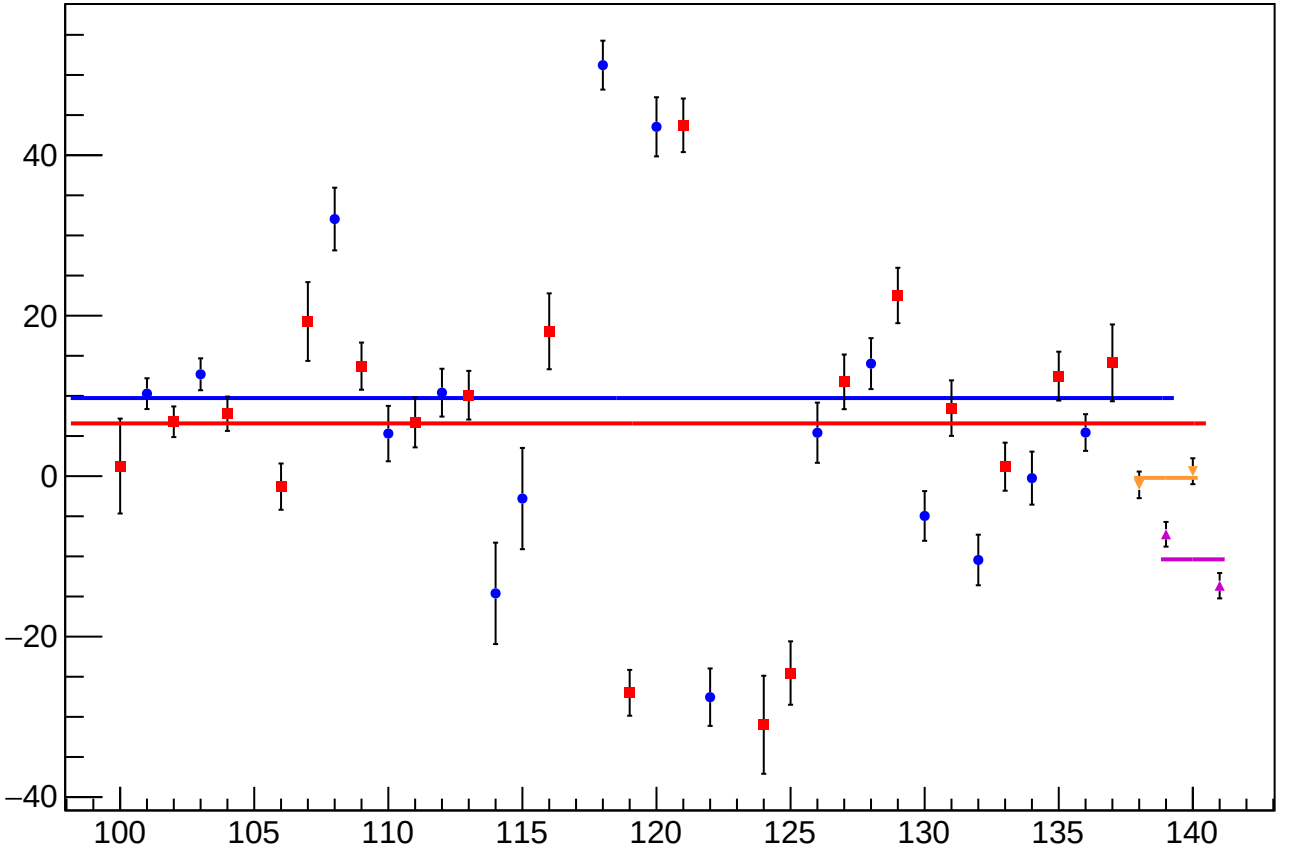
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6204.028+/-1.477 χ^2/NDF:212514.5/17

Out: 6055.300+/-1.427 χ^2/NDF:187744.7/20

All: 6127.116+/-1.026 χ^2/NDF: 405503.6/38

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: -0.213+/-1.157 χ^2/NDF:0.5/1

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -10.368+/-1.102 χ^2/NDF:8.4/1

Left: -5.537+/-0.798 χ^2/NDF: 49.4/3

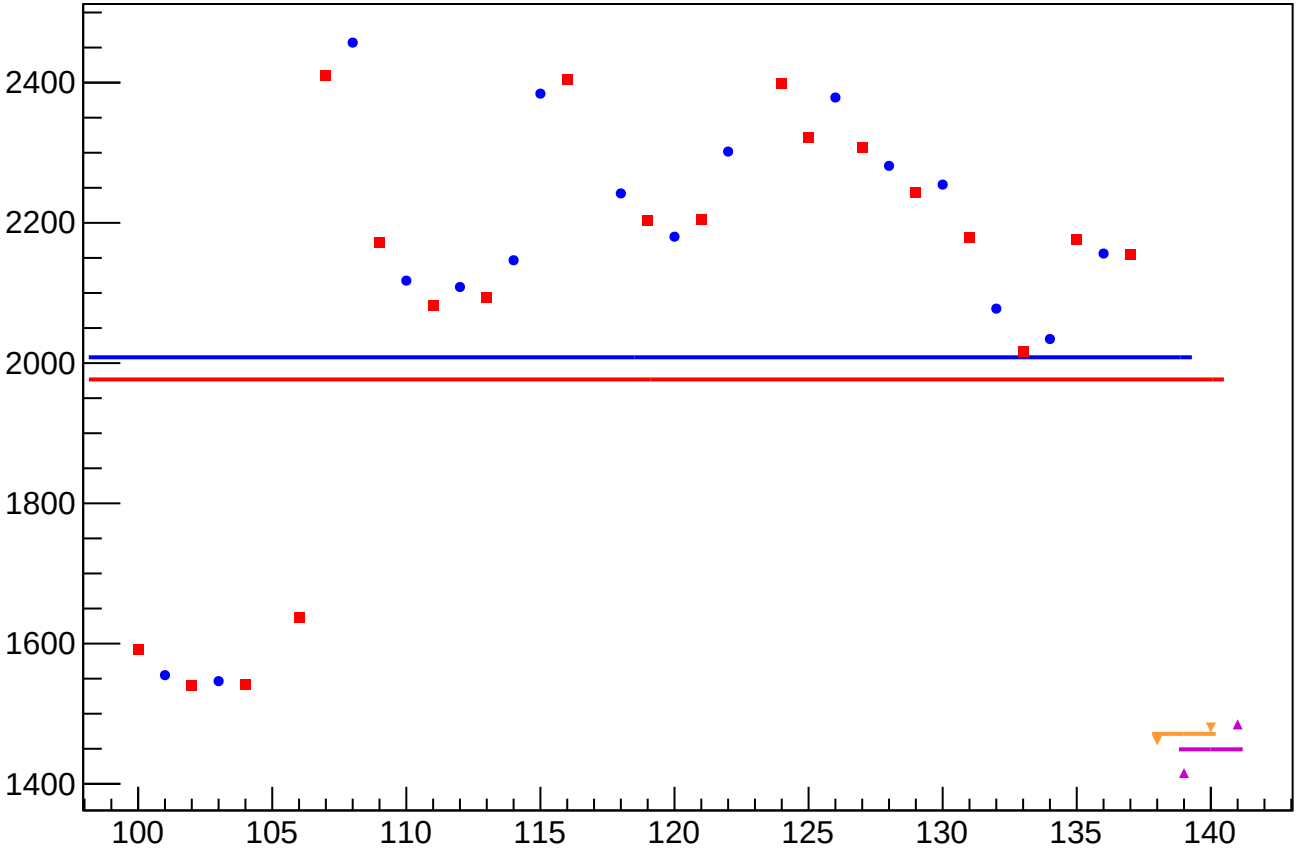
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: 3.315+/-0.623 χ^2/NDF:747.2/17

Out: 4.642+/-0.618 χ^2/NDF:448.9/20

All: 3.984+/-0.439 χ^2/NDF: 1198.4/38

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1471.287+/-0.818 χ^2/NDF:128.2/1

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1449.197+/-0.779 χ^2/NDF:1979.8/1

Left: 1459.707+/-0.564 χ^2/NDF: 2490.2/3

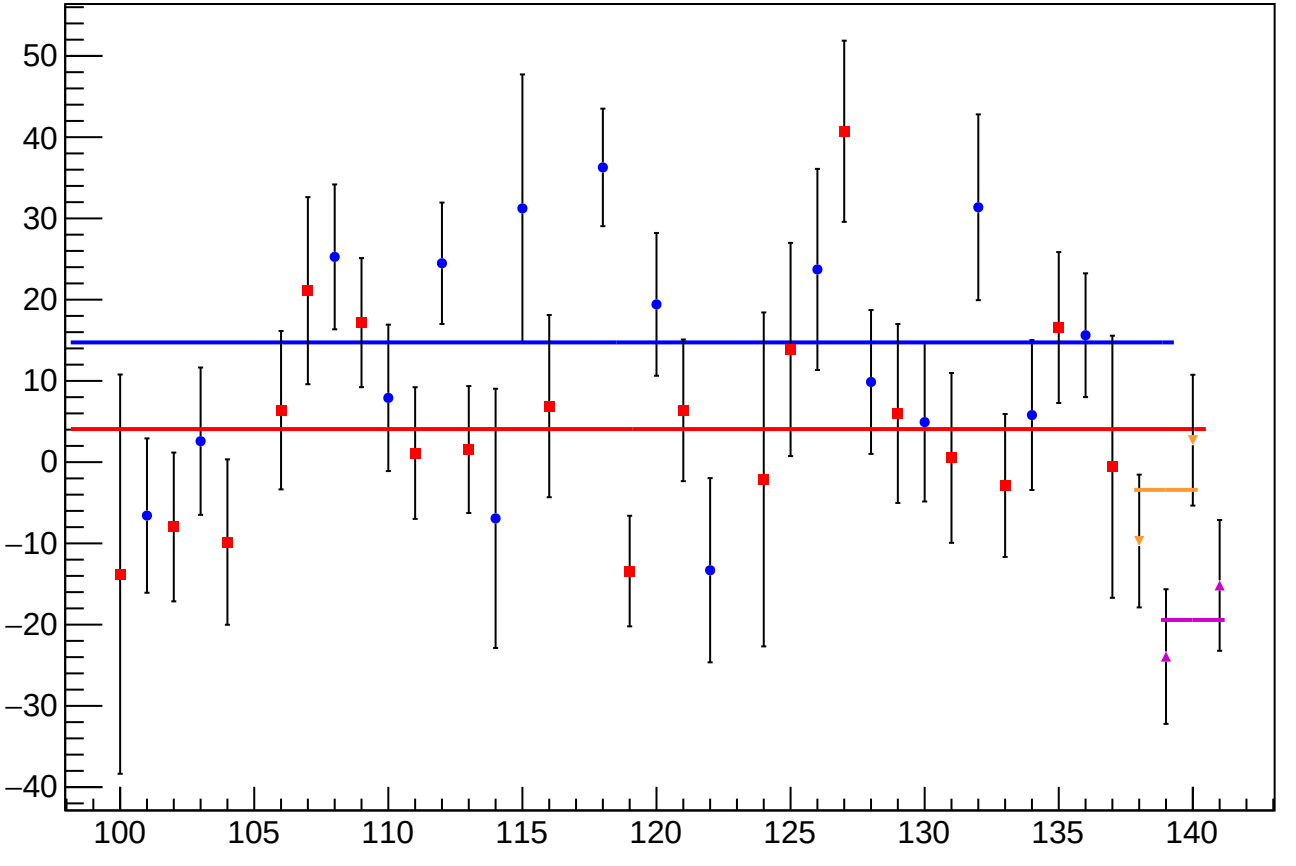
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1829.786+/-0.440 χ^2/NDF:696614.1/17

Out: 1832.691+/-0.437 χ^2/NDF:638362.2/20

All: 1831.251+/-0.310 χ^2/NDF: 1334998.3/38

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -3.411+/-5.734 χ^2/NDF:1.2/1

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -19.422+/-5.775 χ^2/NDF:0.6/1

Left: -11.361+/-4.069 χ^2/NDF: 5.6/3

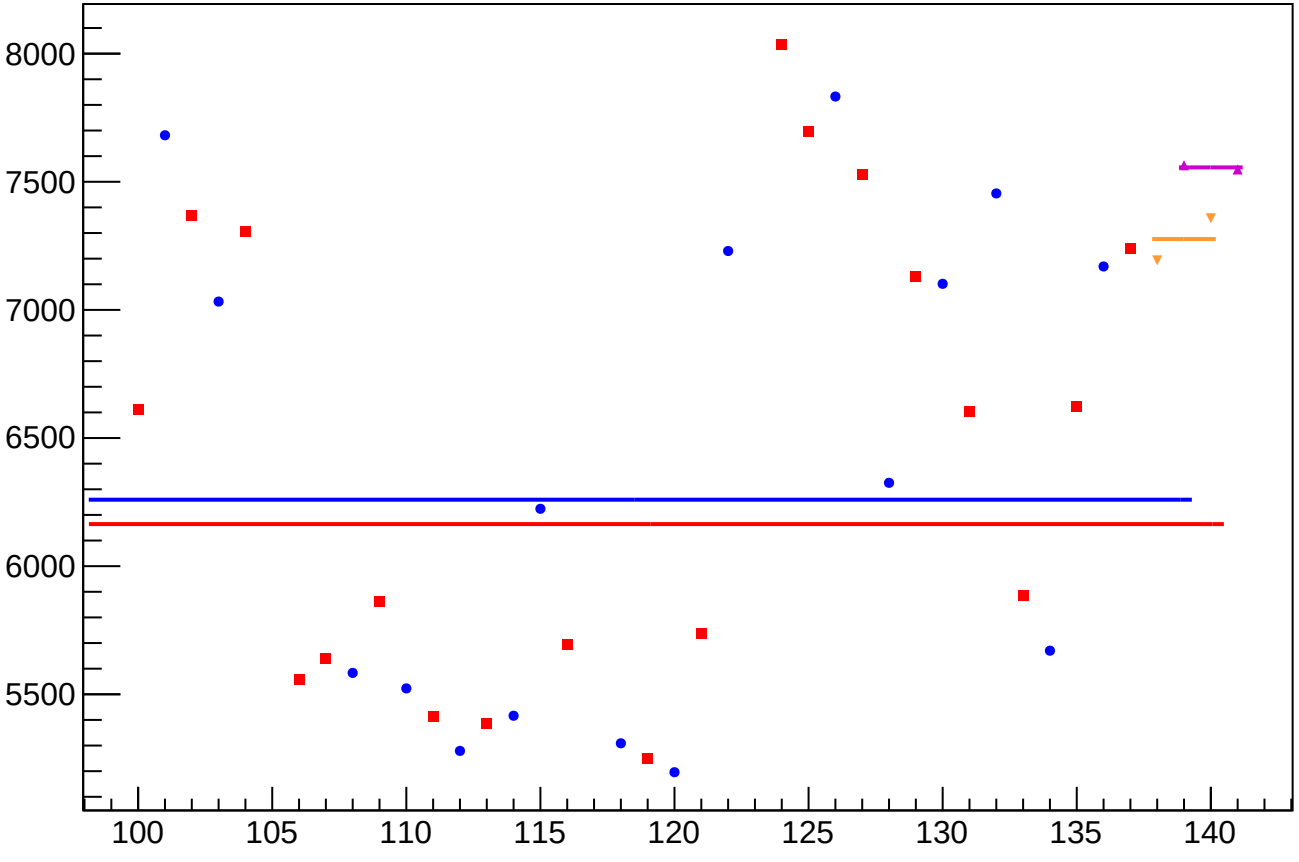
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 9.859+/-2.183 χ^2/NDF:64.1/17

Out: 3.055+/-2.114 χ^2/NDF:32.8/20

All: 6.348+/-1.518 χ^2/NDF: 101.9/38

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7276.535+/-4.055 χ^2/NDF:410.4/1

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 7556.124+/-4.083 χ^2/NDF:4.1/1

Left: 7415.351+/-2.877 χ^2/NDF: 2775.1/3

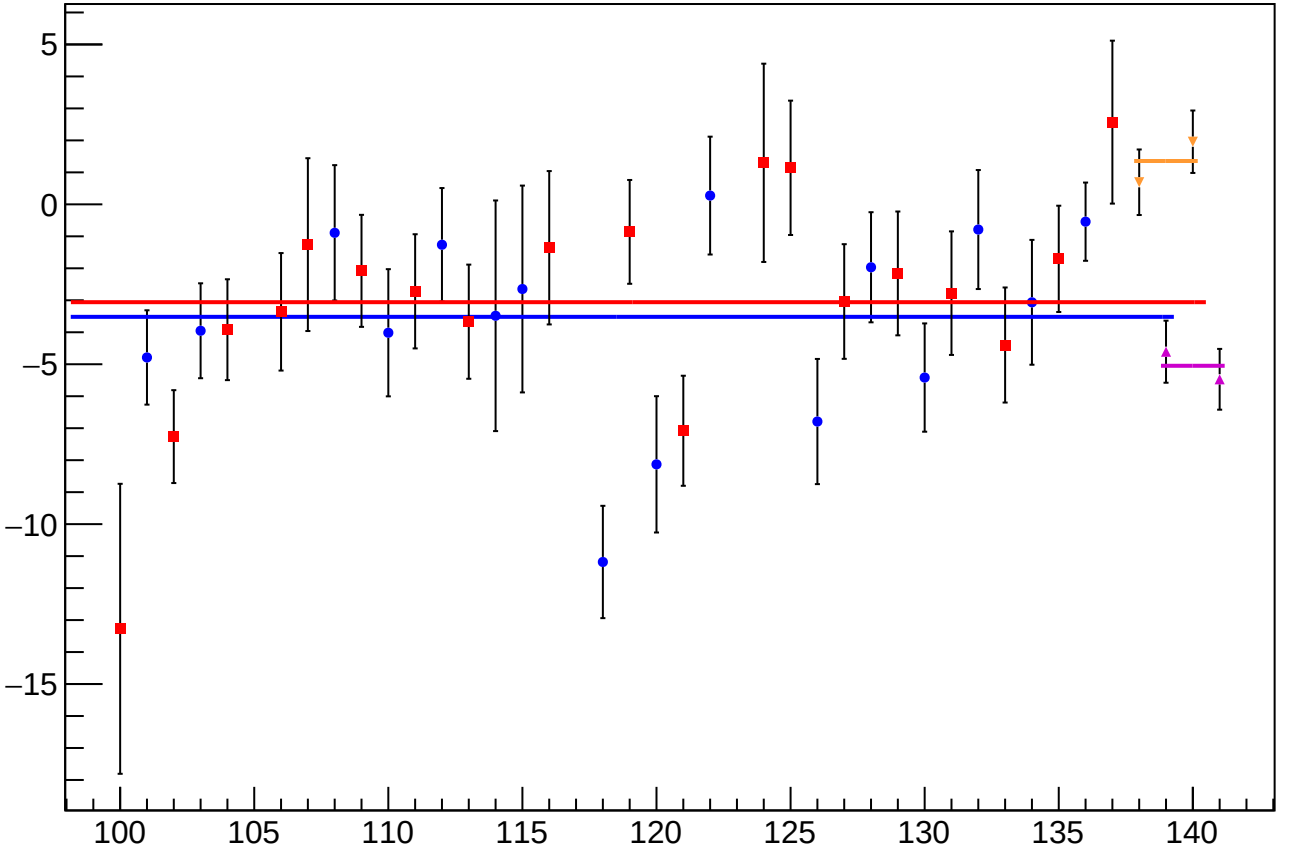
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6444.674+/-1.543 χ^2/NDF:395047.9/17

Out: 6315.268+/-1.495 χ^2/NDF:330504.0/20

All: 6377.892+/-1.074 χ^2/NDF: 729179.8/38

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.355+/-0.707 χ^2/NDF:0.8/1

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -5.048+/-0.679 χ^2/NDF:0.4/1

Left: -1.975+/-0.490 χ^2/NDF: 43.9/3

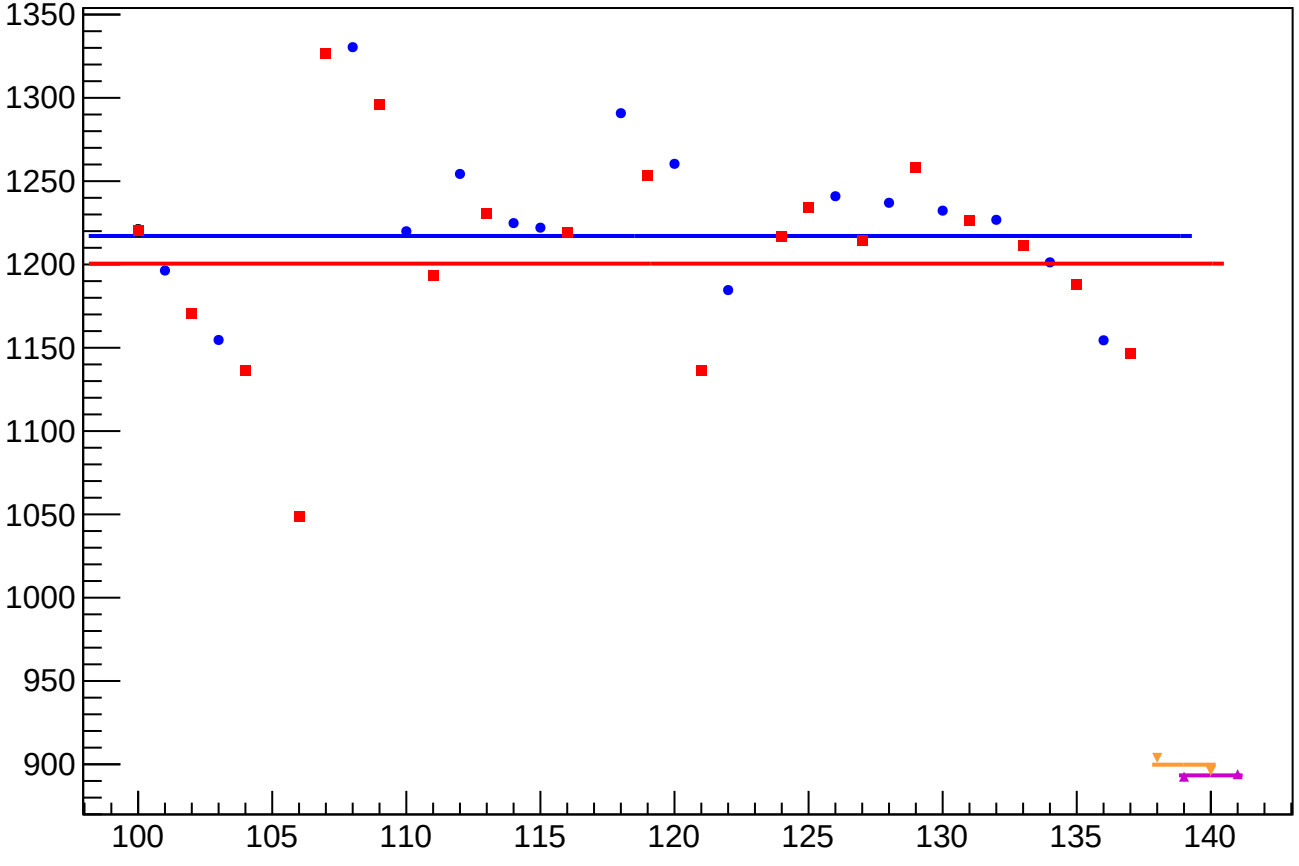
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.988+/-0.376 χ^2/NDF:49.0/17

Out: -1.833+/-0.373 χ^2/NDF:63.8/20

All: -2.899+/-0.265 χ^2/NDF: 129.3/38

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 899.774+/-0.500 χ^2/NDF:60.6/1

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 893.355+/-0.480 χ^2/NDF:2.5/1

Left: 896.435+/-0.346 χ^2/NDF: 148.9/3

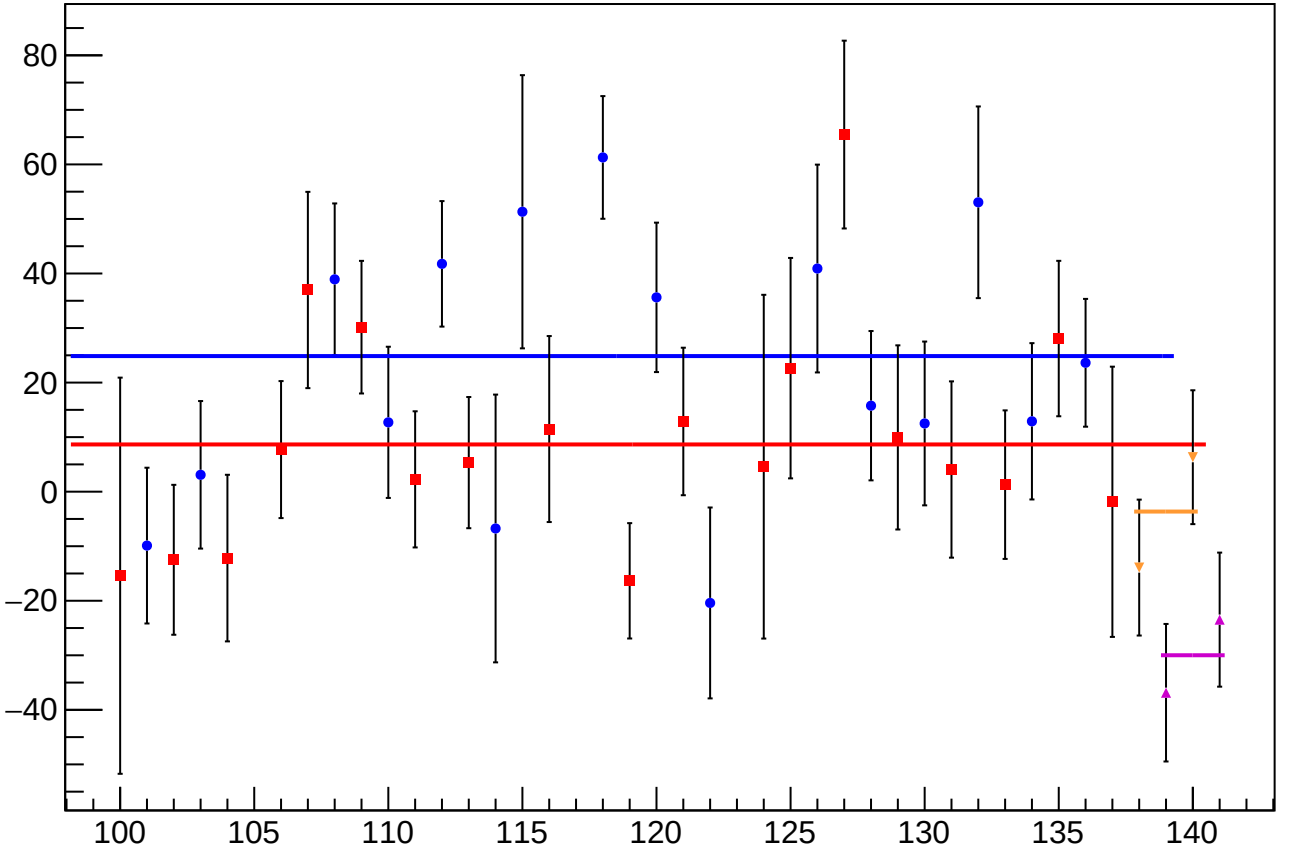
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1117.547+/-0.266 χ^2/NDF:336601.1/17

Out: 1116.958+/-0.263 χ^2/NDF:299207.4/20

All: 1117.249+/-0.187 χ^2/NDF: 635811.0/38

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -3.645+/-8.743 χ^2/NDF:1.3/1

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -29.990+/-8.800 χ^2/NDF:0.6/1

Left: -16.730+/-6.202 χ^2/NDF: 6.4/3

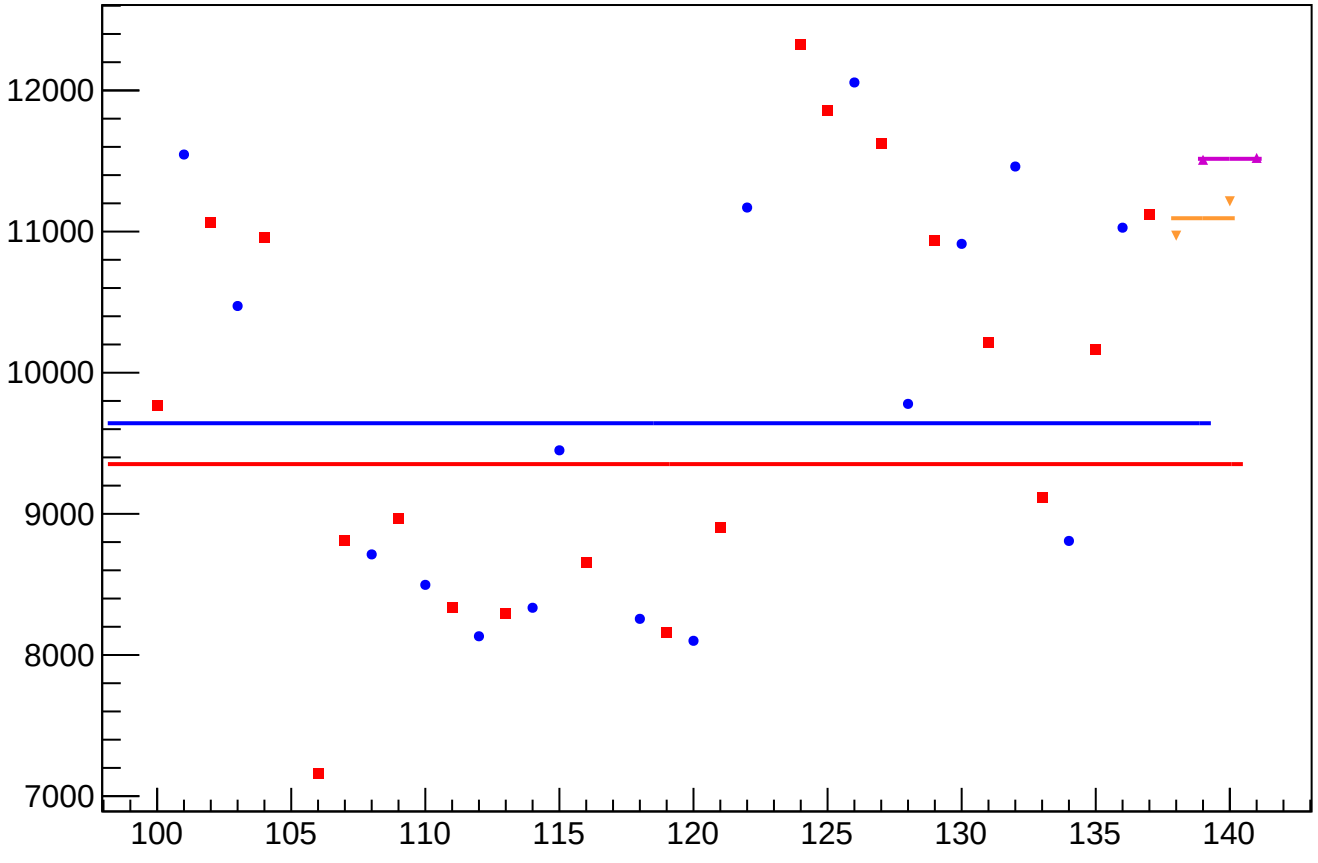
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 16.892+/-3.354 χ^2/NDF:71.9/17

Out: 6.997+/-3.212 χ^2/NDF:33.2/20

All: 11.731+/-2.320 χ^2/NDF: 109.7/38

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 11094.546+/-6.182 χ^2/NDF:387.8/1

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 11515.535+/-6.223 χ^2/NDF:1.1/1

Left: 11303.652+/-4.386 χ^2/NDF: 2692.5/3

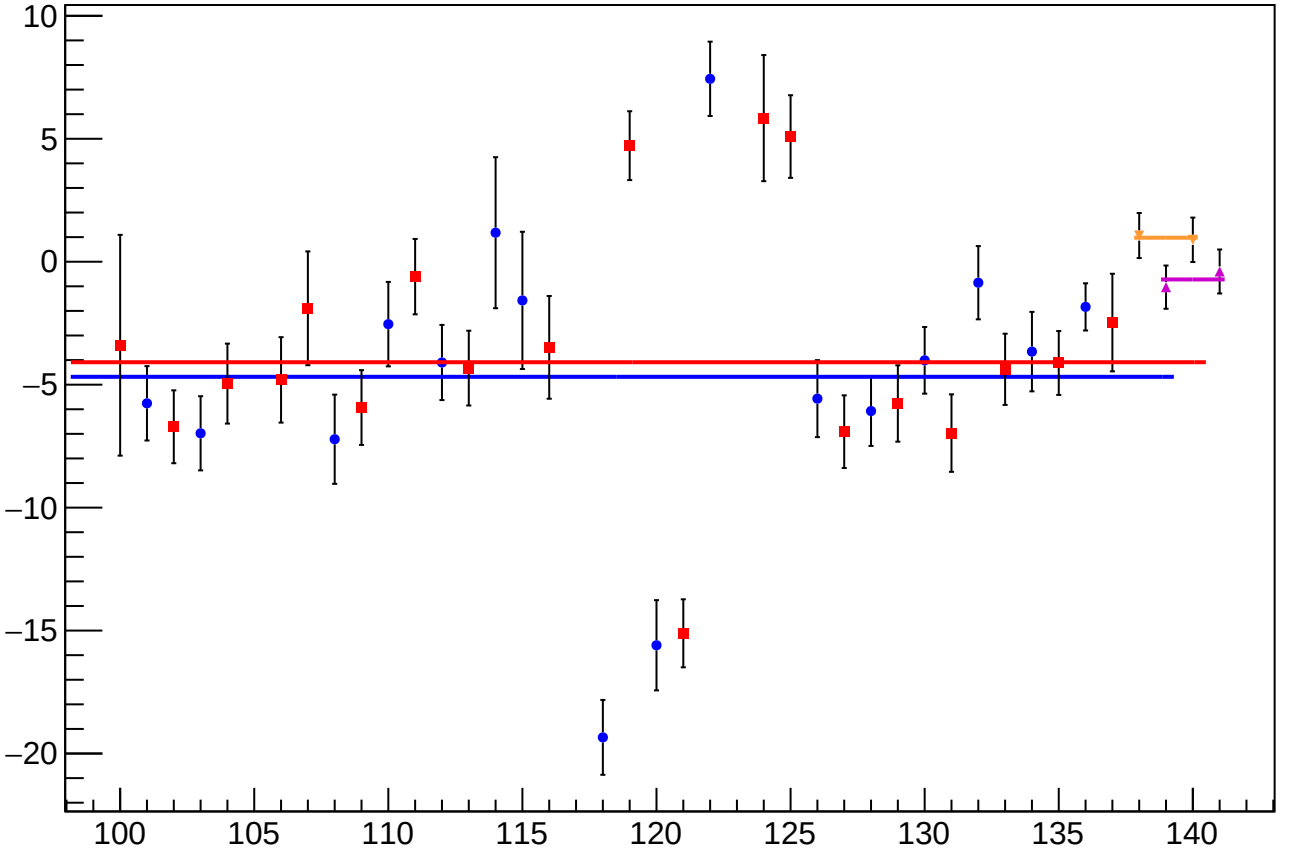
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9914.220+/-2.372 χ^2/NDF:357131.5/17

Out: 9587.669+/-2.271 χ^2/NDF:370857.3/20

All: 9743.886+/-1.640 χ^2/NDF: 737877.1/38

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.976+/-0.643 χ^2/NDF:0.0/1

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.721+/-0.627 χ^2/NDF:0.3/1

Left: 0.106+/-0.449 χ^2/NDF: 3.8/3

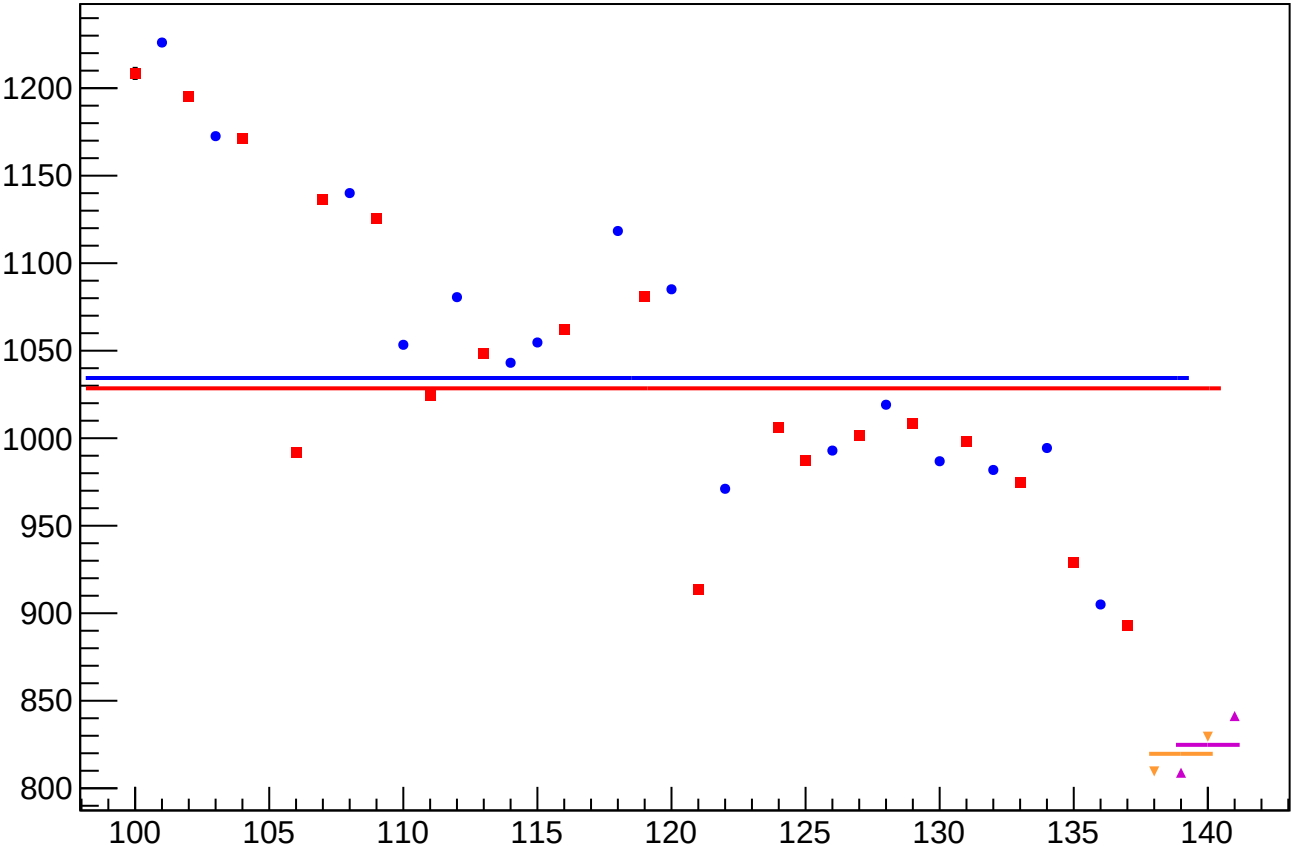
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -3.593+/-0.329 χ^2/NDF:250.4/17

Out: -2.796+/-0.325 χ^2/NDF:214.2/20

All: -3.190+/-0.231 χ^2/NDF: 467.6/38

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 819.685+/-0.455 χ^2/NDF:475.1/1

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 824.806+/-0.443 χ^2/NDF:1333.1/1

Left: 822.312+/-0.318 χ^2/NDF: 1873.2/3

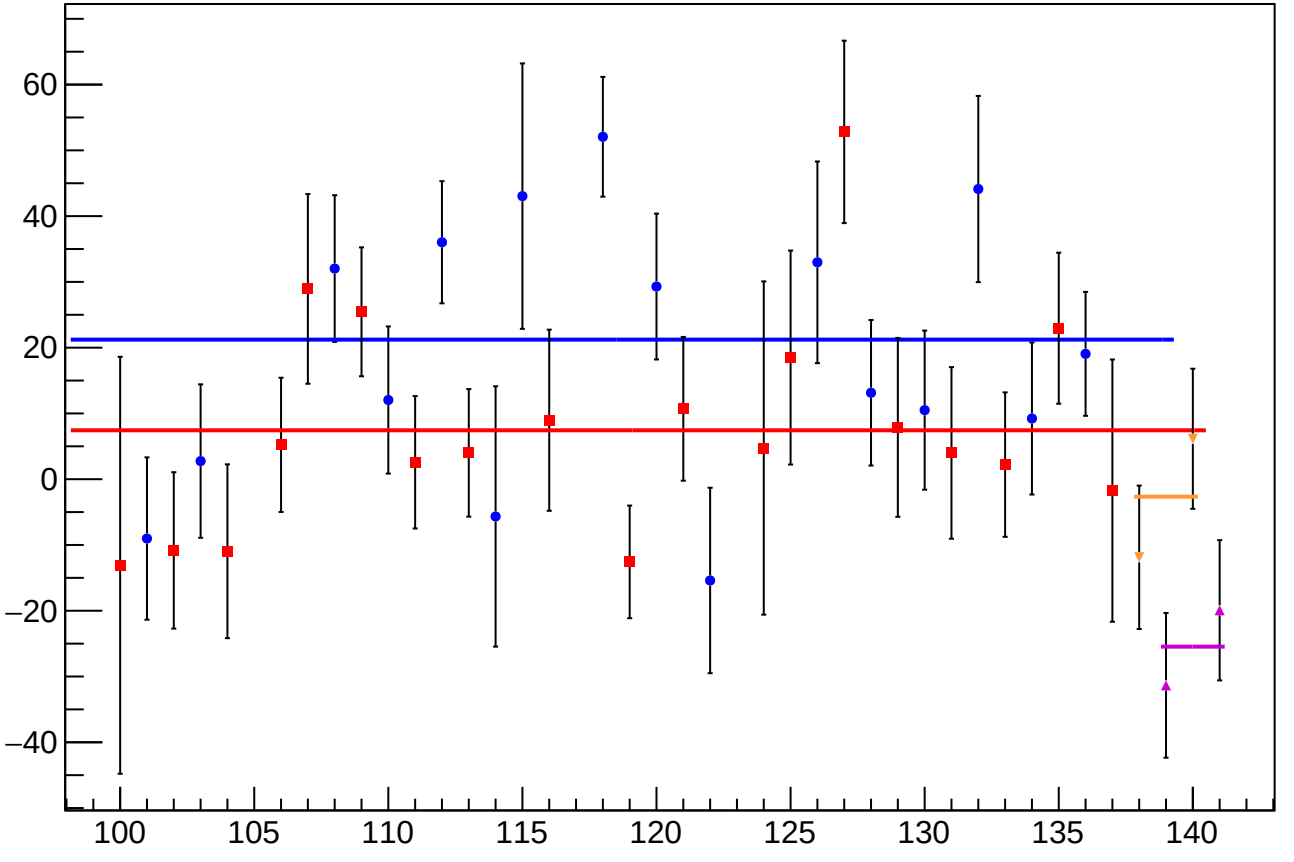
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 976.845+/-0.232 χ^2/NDF:276728.5/17

Out: 975.266+/-0.230 χ^2/NDF:259035.1/20

All: 976.047+/-0.163 χ^2/NDF: 535787.0/38

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -2.653+/-7.618 χ^2/NDF:1.4/1

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -25.457+/-7.658 χ^2/NDF:0.6/1

Left: -13.994+/-5.401 χ^2/NDF: 6.4/3

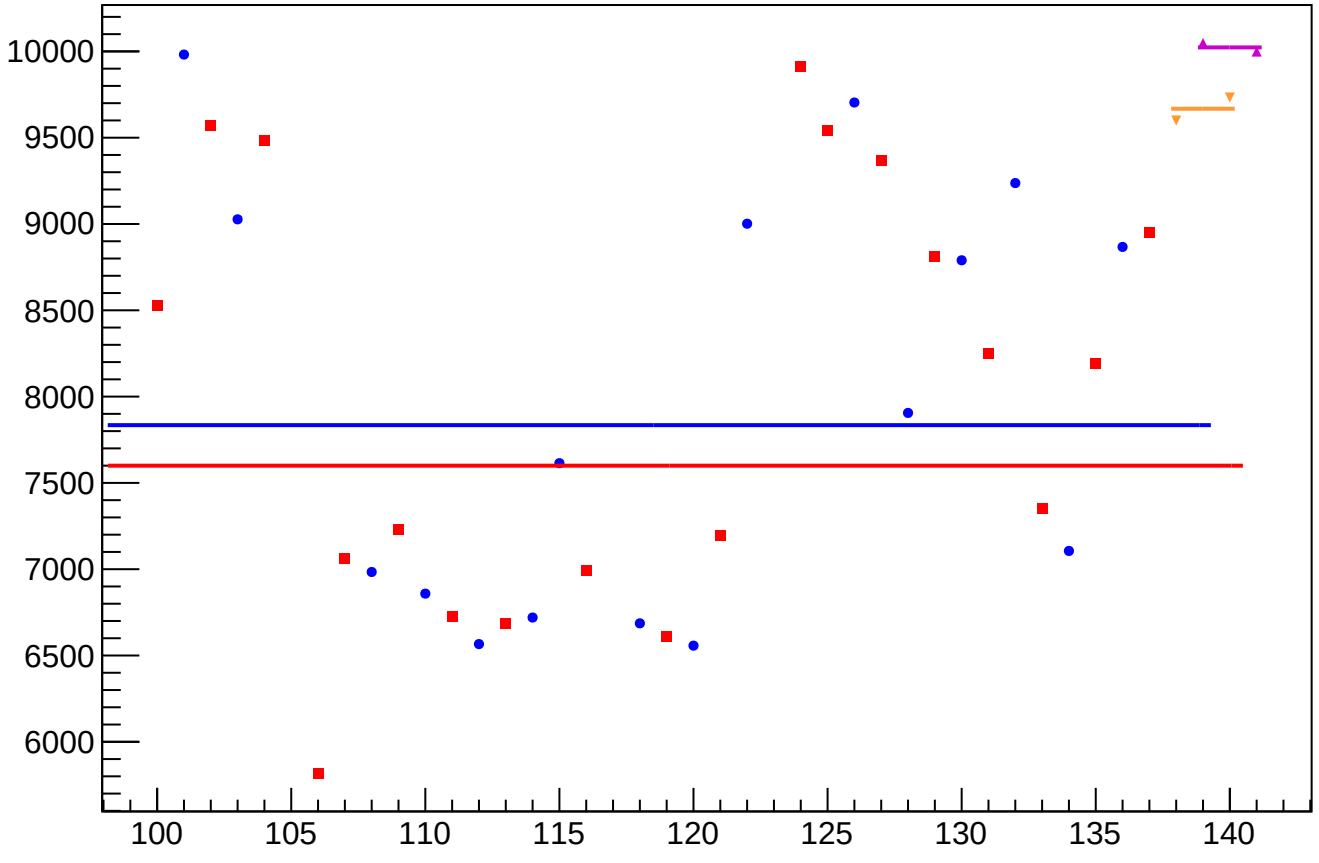
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 15.184+/-2.754 χ^2/NDF:73.0/17

Out: 6.227+/-2.637 χ^2/NDF:32.7/20

All: 10.510+/-1.905 χ^2/NDF: 111.2/38

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9667.788+/-5.386 χ^2/NDF:153.0/1

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 10023.058+/-5.415 χ^2/NDF:20.9/1

Left: 9844.475+/-3.819 χ^2/NDF: 2337.4/3

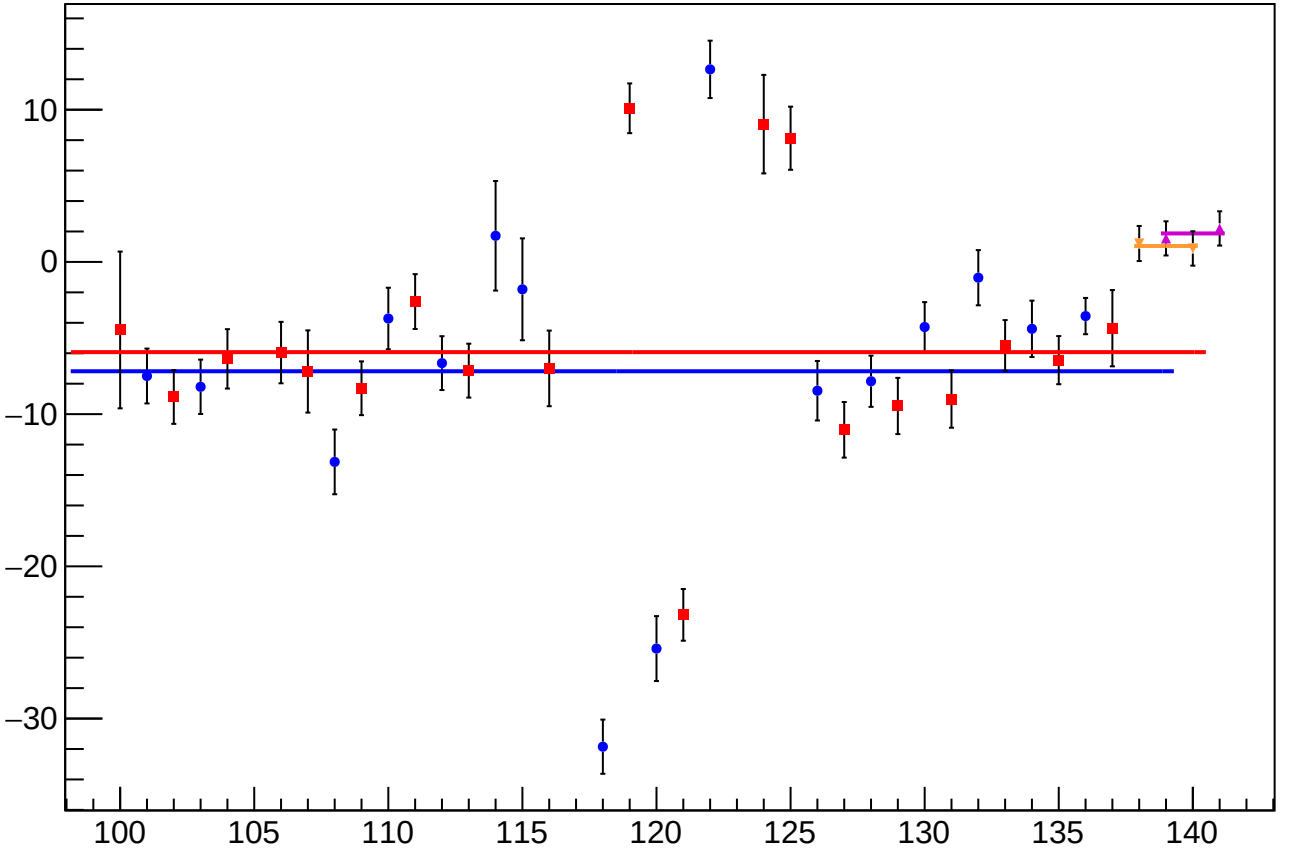
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8117.687+/-1.948 χ^2/NDF:460305.3/17

Out: 7847.502+/-1.864 χ^2/NDF:474198.2/20

All: 7976.699+/-1.347 χ^2/NDF: 944546.2/38

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.045+/-0.807 χ^2/NDF:0.0/1

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.872+/-0.795 χ^2/NDF:0.2/1

Left: 1.464+/-0.566 χ^2/NDF: 0.7/3

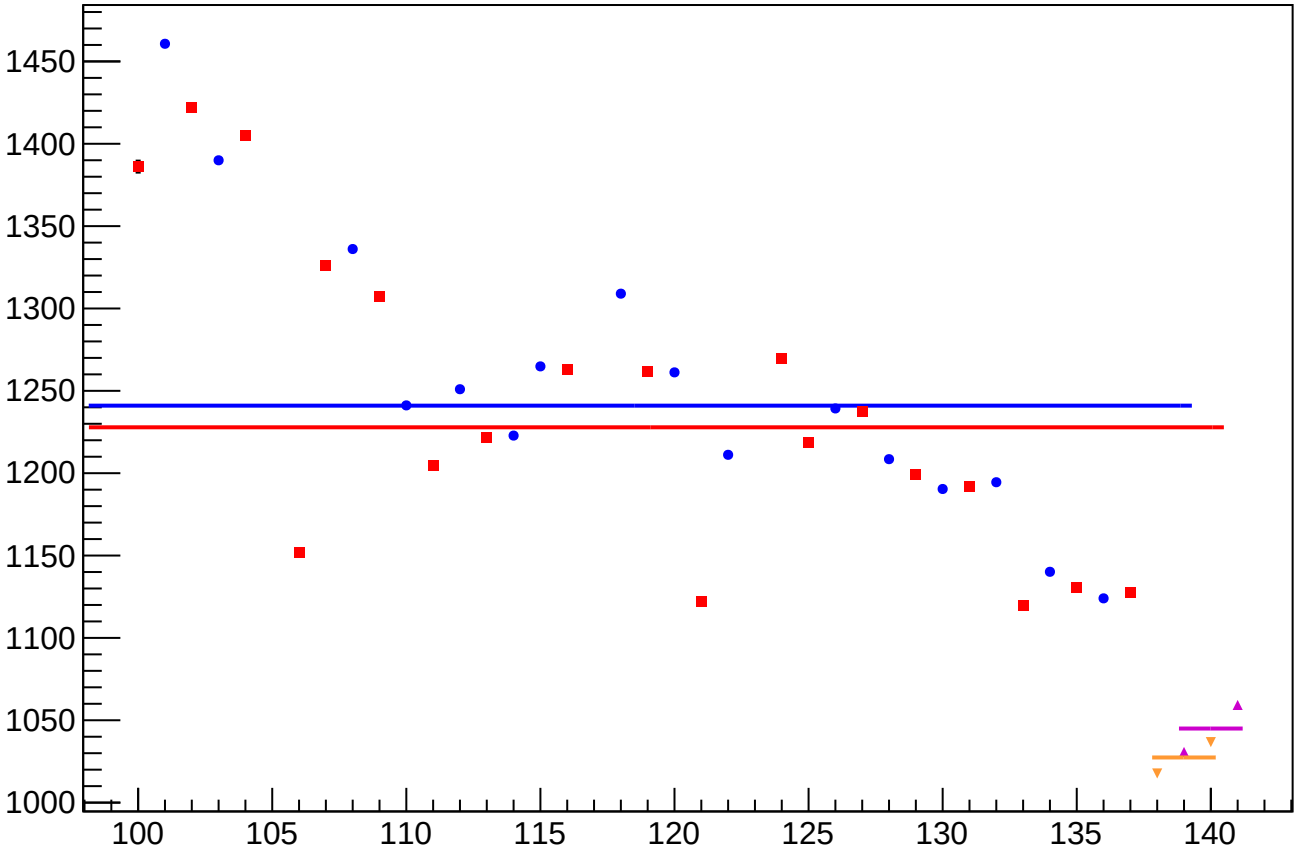
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -4.894+/-0.400 χ^2/NDF:519.4/17

Out: -4.278+/-0.392 χ^2/NDF:347.4/20

All: -4.580+/-0.280 χ^2/NDF: 868.0/38

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1027.404+/-0.571 χ^2/NDF:277.9/1

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1044.973+/-0.562 χ^2/NDF:644.5/1

Left: 1036.319+/-0.400 χ^2/NDF: 1403.6/3

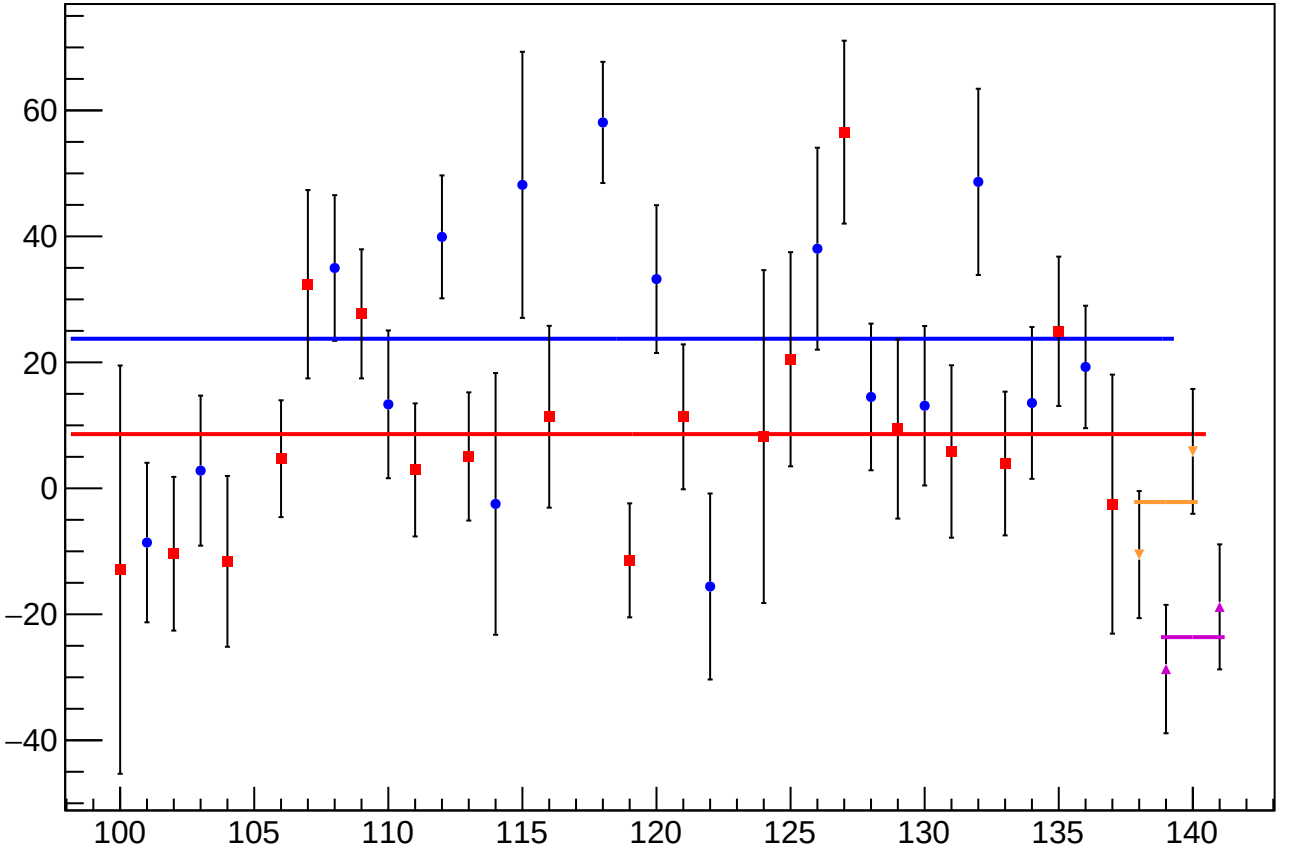
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1191.456+/-0.283 χ^2/NDF:172186.4/17

Out: 1180.437+/-0.278 χ^2/NDF:176866.7/20

All: 1185.846+/-0.198 χ^2/NDF: 349827.0/38

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -2.180+/-7.069 χ^2/NDF:1.3/1

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -23.625+/-7.110 χ^2/NDF:0.5/1

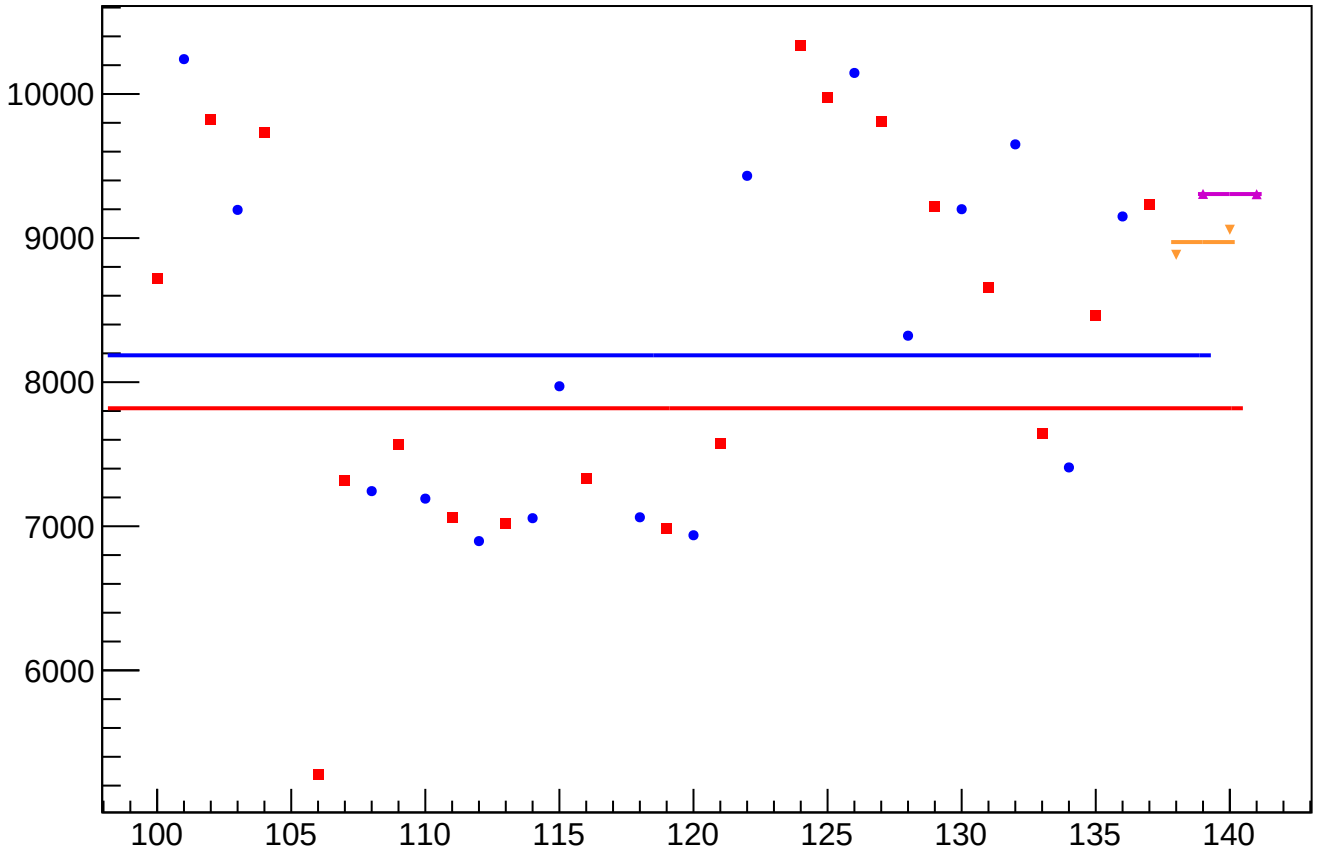
Left: -12.840+/-5.013 χ^2/NDF: 6.4/3

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 16.259+/-2.827 χ^2/NDF:81.3/17

Out: 7.056+/-2.682 χ^2/NDF:33.8/20

All: 11.415+/-1.946 χ^2/NDF: 120.7/38



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8972.437+/-4.999 χ^2/NDF:302.5/1

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 9305.678+/-5.028 χ^2/NDF:0.0/1

Left: 9138.095+/-3.545 χ^2/NDF: 2511.8/3

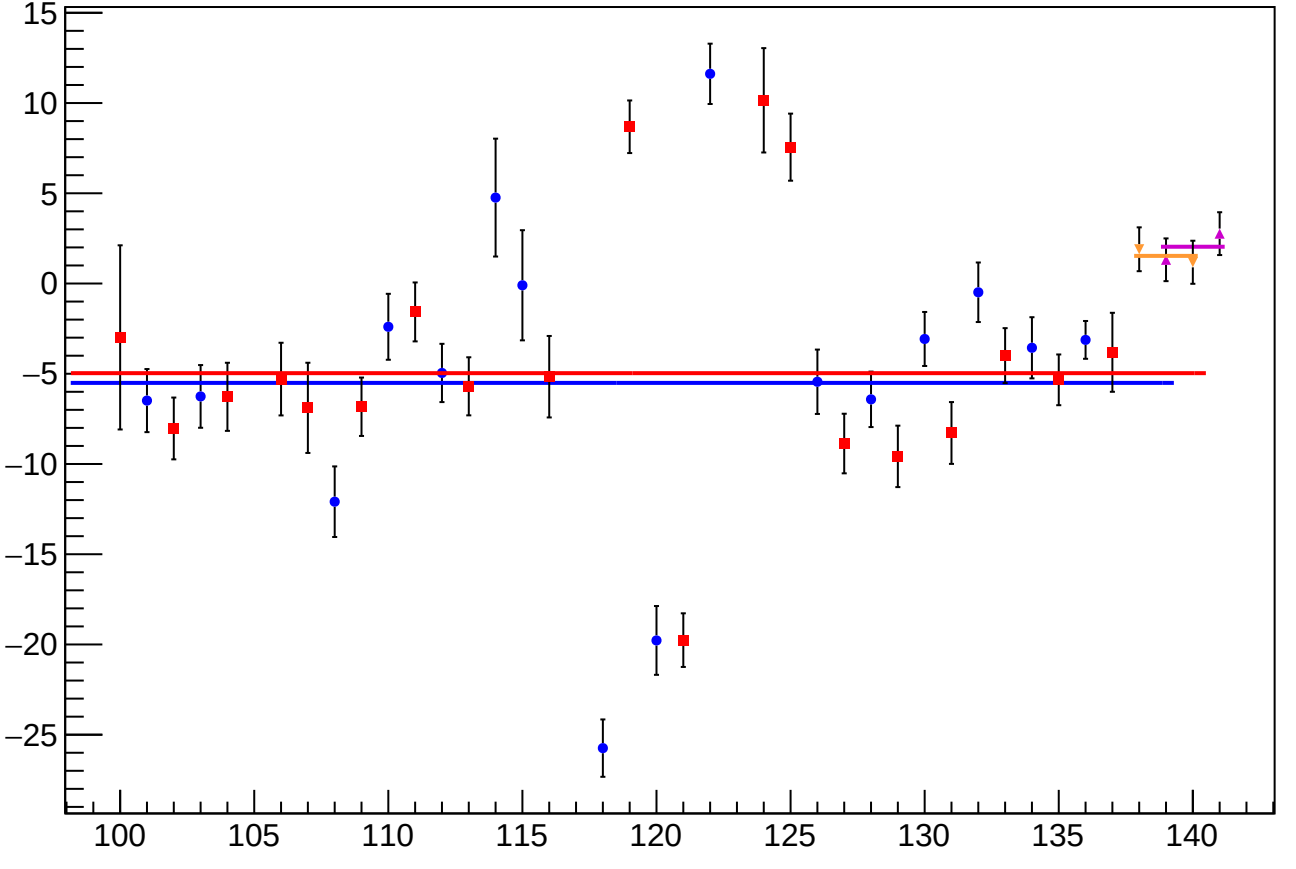
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8363.343+/-1.999 χ^2/NDF:332355.7/17

Out: 7985.017+/-1.897 χ^2/NDF:468881.4/20

All: 8164.224+/-1.376 χ^2/NDF: 820084.8/38

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.531+/-0.851 χ^2/NDF:0.2/1

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 2.038+/-0.838 χ^2/NDF:0.7/1

Left: 1.788+/-0.597 χ^2/NDF: 1.1/3

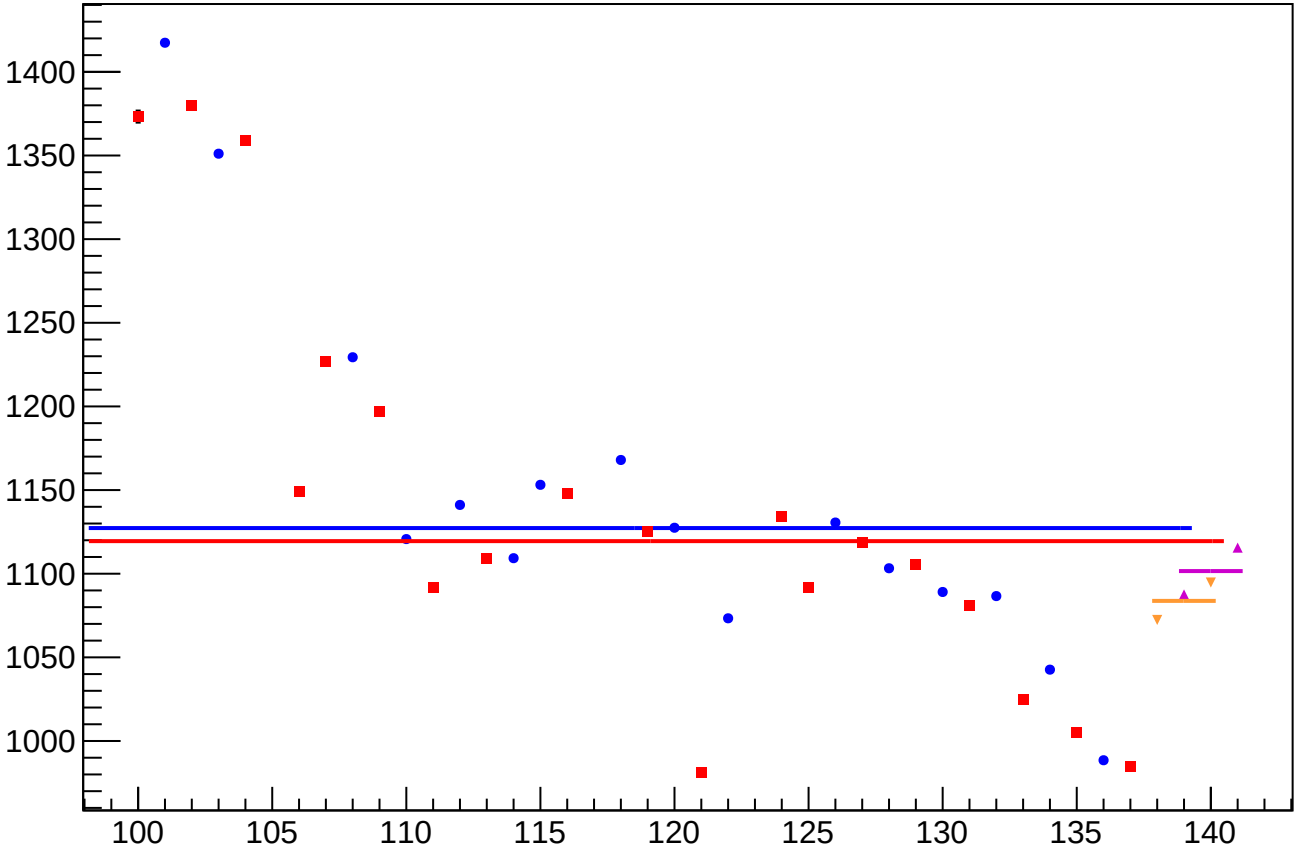
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -3.987+/-0.376 χ^2/NDF:435.3/17

Out: -3.742+/-0.370 χ^2/NDF:334.8/20

All: -3.862+/-0.264 χ^2/NDF: 770.3/38

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1083.753+/-0.602 χ^2/NDF:345.4/1

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1101.575+/-0.593 χ^2/NDF:557.4/1

Left: 1092.803+/-0.422 χ^2/NDF: 1348.2/3

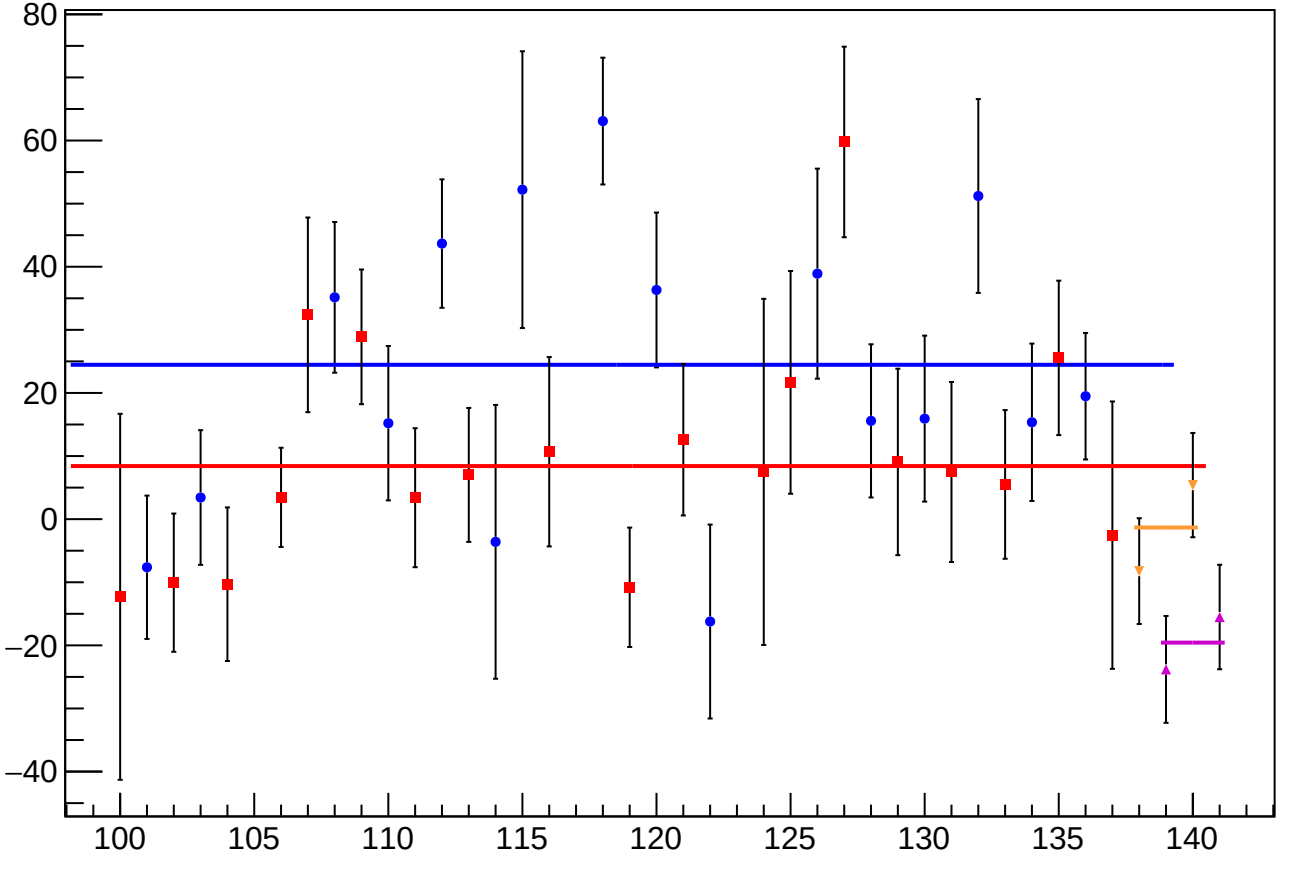
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1122.109+/-0.266 χ^2/NDF:142677.2/17

Out: 1112.736+/-0.261 χ^2/NDF:143939.9/20

All: 1117.341+/-0.186 χ^2/NDF: 287249.0/38

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -1.323+/-5.884 χ^2/NDF:1.3/1

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -19.566+/-5.920 χ^2/NDF:0.5/1

Left: -10.389+/-4.173 χ^2/NDF: 6.6/3

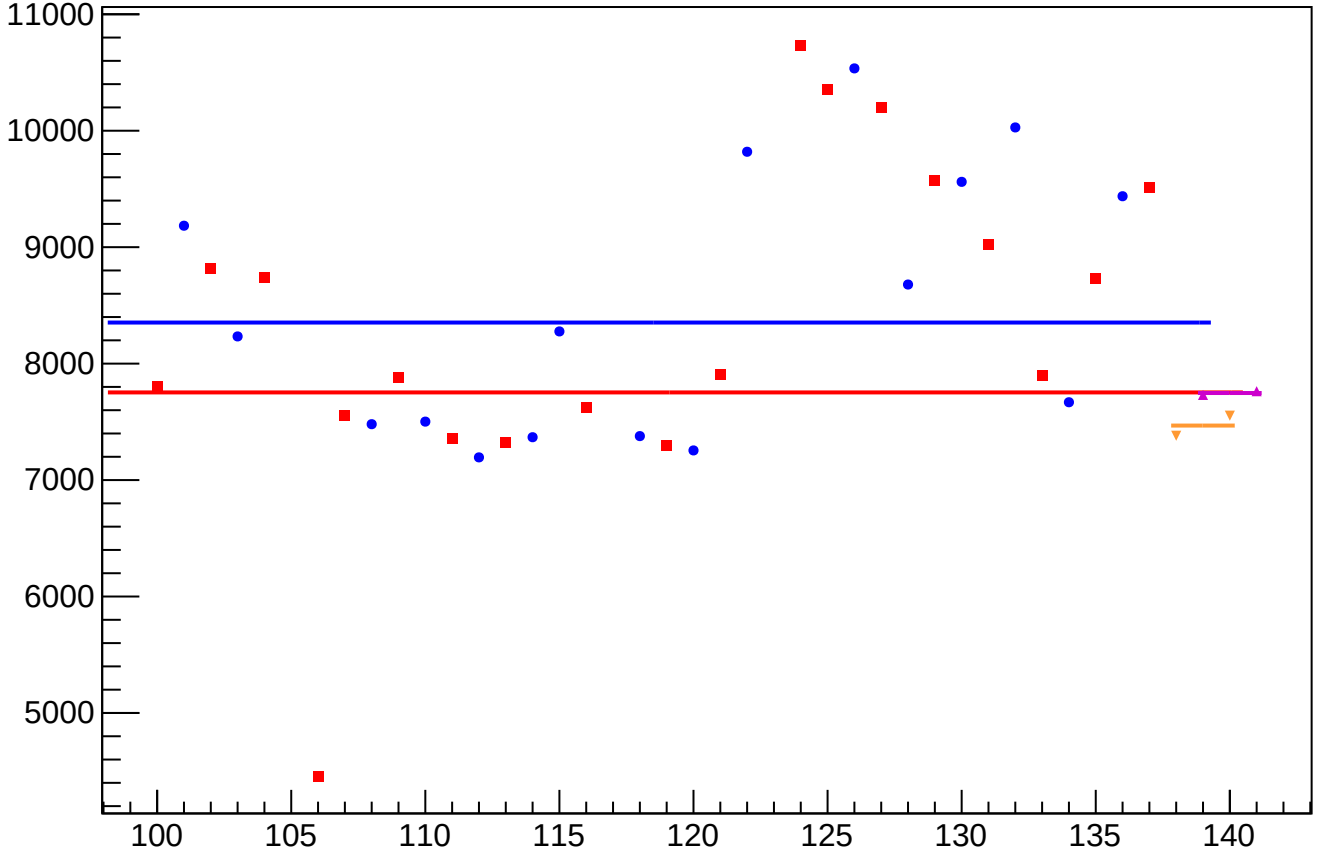
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 14.814+/-2.771 χ^2/NDF:92.0/17

Out: 6.519+/-2.595 χ^2/NDF:34.7/20

All: 10.394+/-1.894 χ^2/NDF: 131.5/38

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7468.081+/-4.160 χ^2/NDF:429.8/1

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7747.588+/-4.186 χ^2/NDF:14.4/1

Left: 7606.983+/-2.951 χ^2/NDF: 2687.2/3

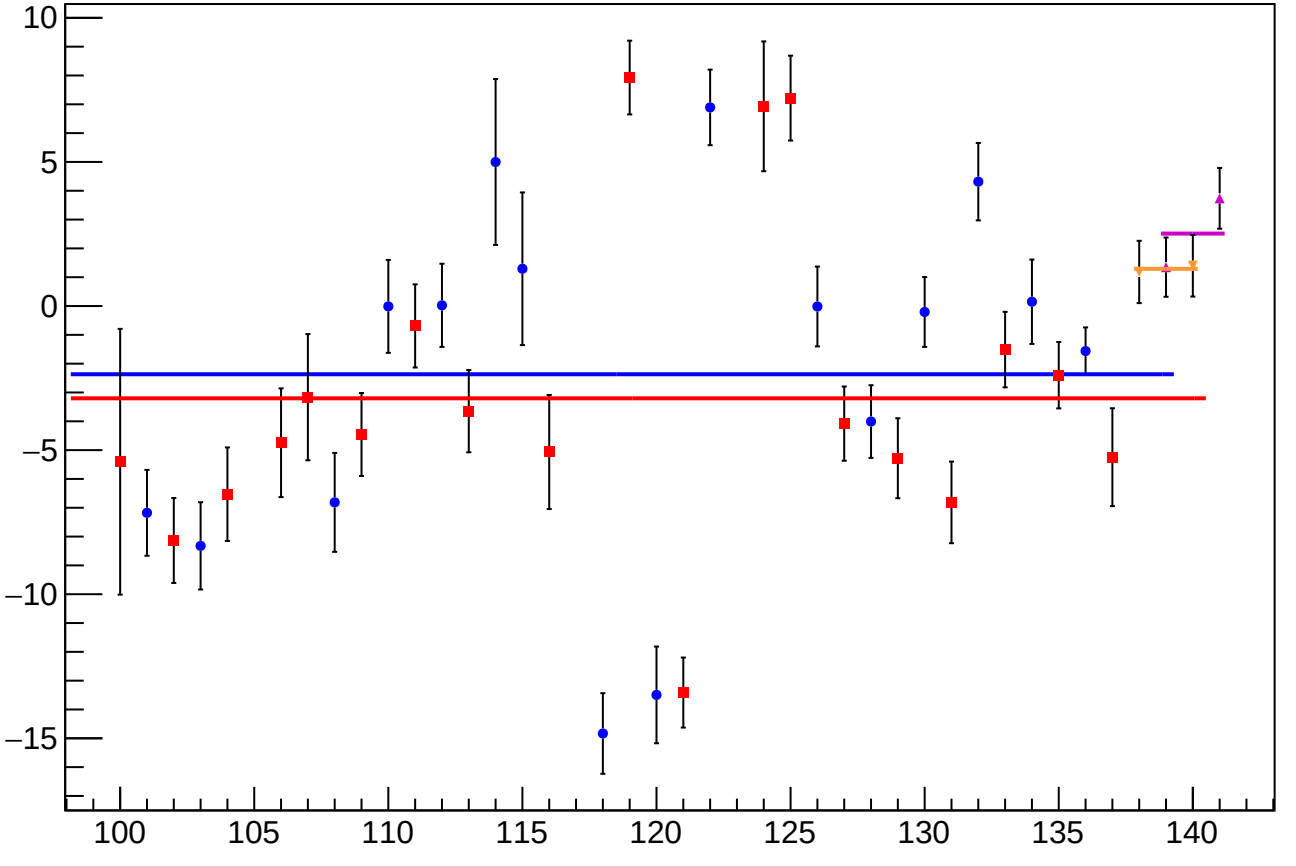
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 8220.130+/-1.960 χ^2/NDF:236748.1/17

Out: 7697.328+/-1.835 χ^2/NDF:592271.1/20

All: 7941.541+/-1.339 χ^2/NDF: 866948.6/38

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 1.291+/-0.760 χ^2/NDF:0.0/1

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 2.514+/-0.736 χ^2/NDF:2.6/1

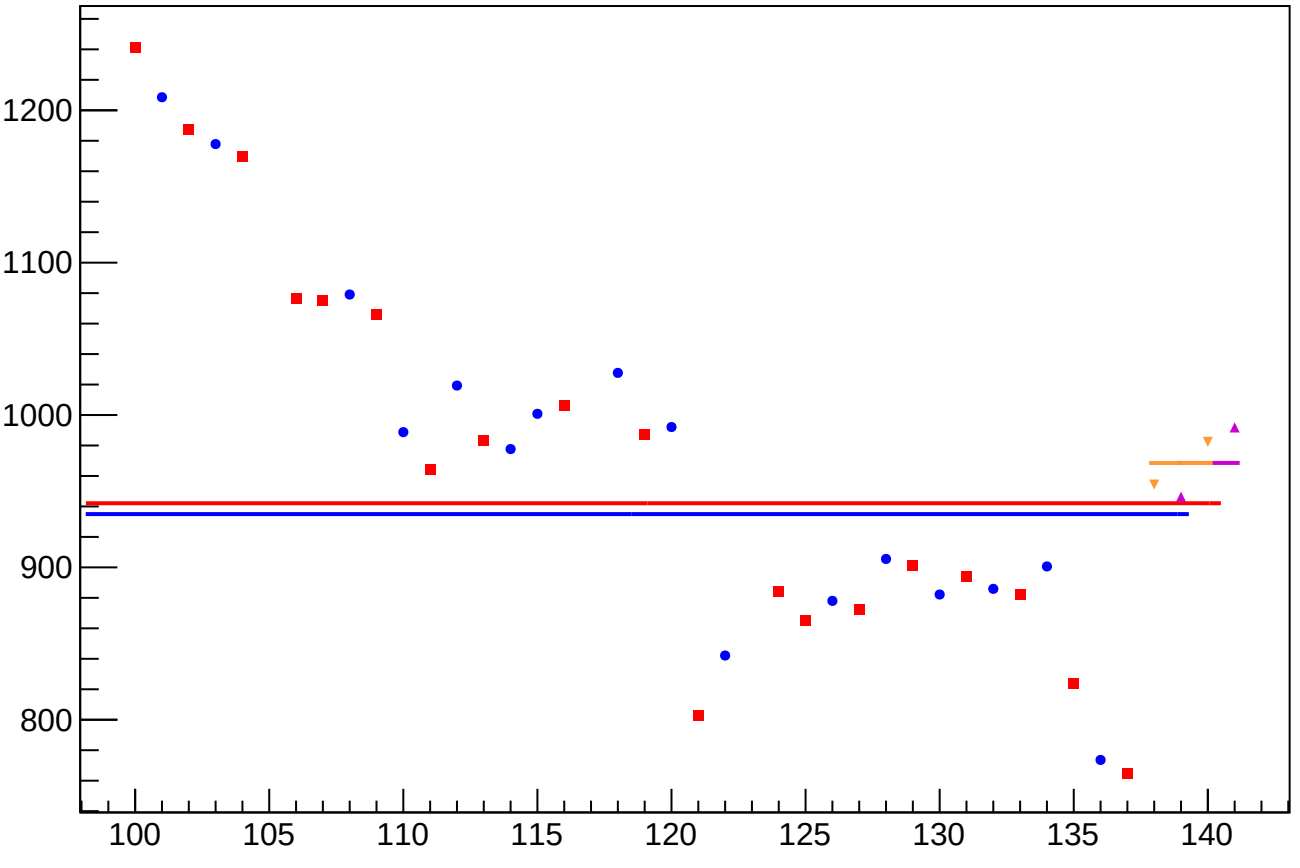
Left: 1.922+/-0.529 χ^2/NDF: 4.0/3

Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -1.466+/-0.316 χ^2/NDF:294.0/17

Out: -2.430+/-0.315 χ^2/NDF:279.5/20

All: -1.950+/-0.223 χ^2/NDF: 578.2/38



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 968.498+/-0.538 χ^2/NDF:680.1/1

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 968.553+/-0.521 χ^2/NDF:1908.0/1

Left: 968.526+/-0.374 χ^2/NDF: 2588.1/3

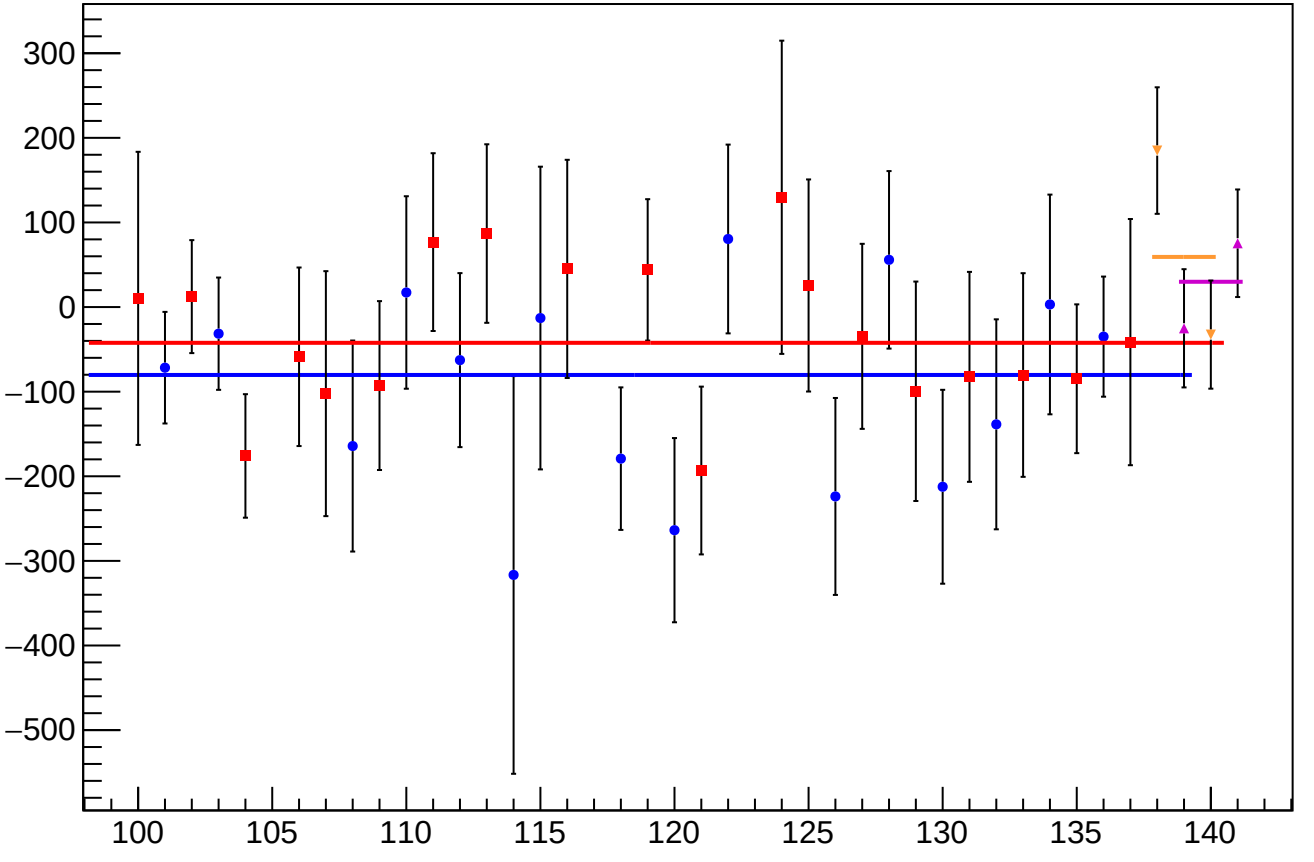
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 941.176+/-0.224 χ^2/NDF:259662.5/17

Out: 946.632+/-0.223 χ^2/NDF:235130.1/20

All: 943.914+/-0.158 χ^2/NDF: 495091.0/38

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 59.254+/-48.582 χ^2/NDF:4.9/1

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 29.885+/-47.020 χ^2/NDF:1.1/1

Left: 44.090+/-33.787 χ^2/NDF: 6.2/3

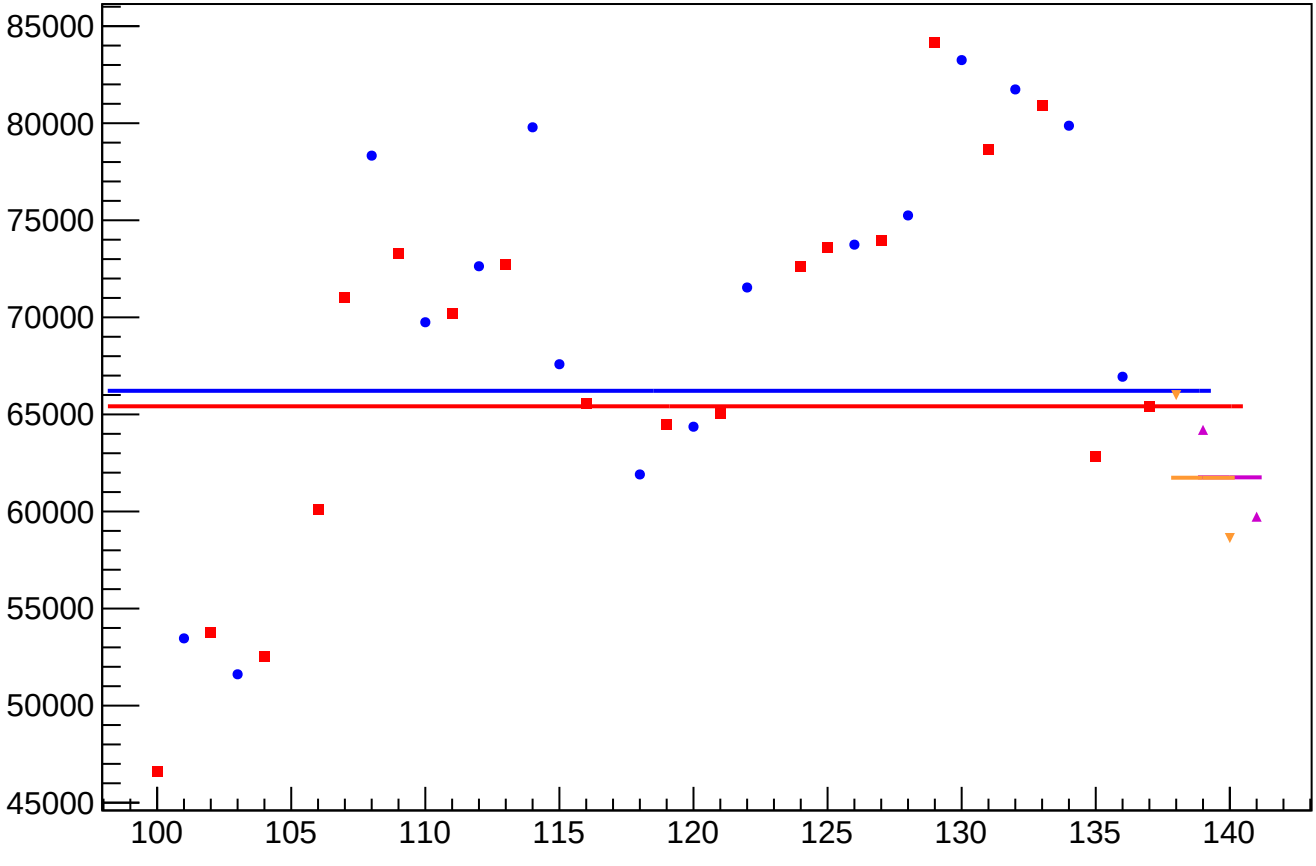
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -56.115+/-22.011 χ^2/NDF:20.2/17

Out: -22.156+/-21.622 χ^2/NDF:21.4/20

All: -38.832+/-15.425 χ^2/NDF: 42.8/38

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 61739.298+/-34.353 χ^2/NDF:11203.7/1

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 61758.573+/-33.248 χ^2/NDF:4482.5/1

Left: 61749.250+/-23.891 χ^2/NDF: 15686.4/3

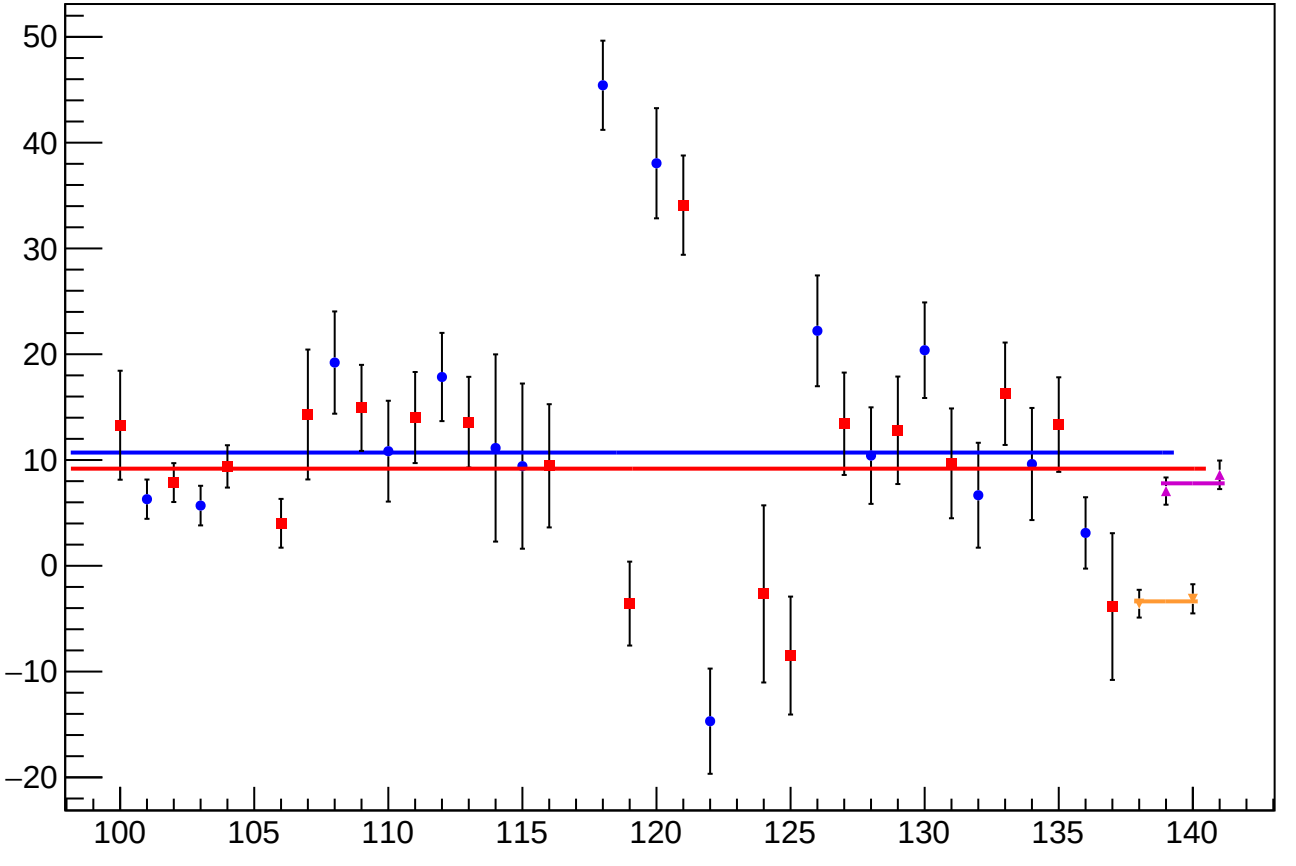
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65239.284+/-15.564 χ^2/NDF:356895.8/17

Out: 64689.780+/-15.289 χ^2/NDF:324958.4/20

All: 64959.626+/-10.907 χ^2/NDF: 682488.6/3

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.364+/-0.950 χ^2/NDF:0.1/1

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 7.794+/-0.931 χ^2/NDF:0.7/1

Left: 2.329+/-0.665 χ^2/NDF: 71.1/3

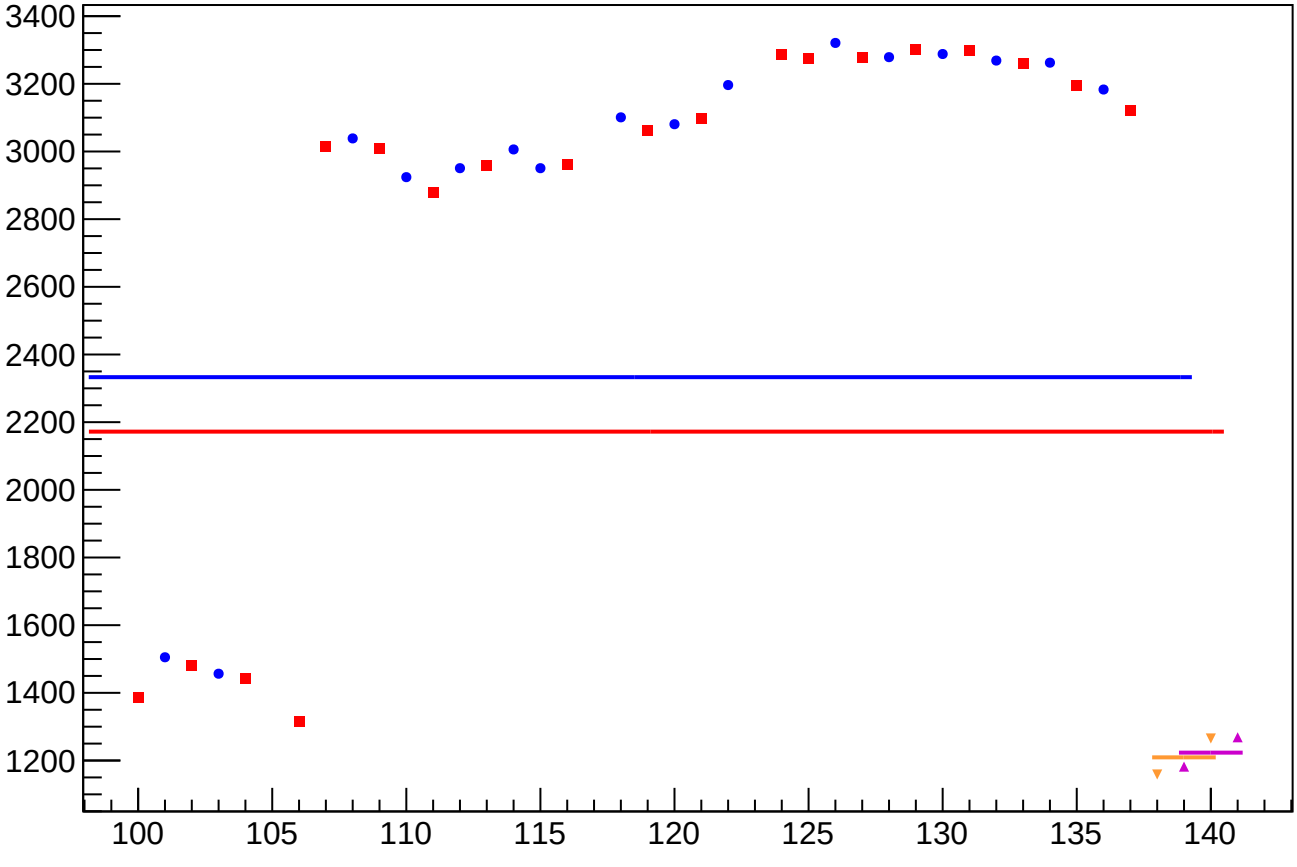
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 9.266+/-0.655 χ^2/NDF:161.2/17

Out: 3.606+/-0.634 χ^2/NDF:166.4/20

All: 6.344+/-0.455 χ^2/NDF: 366.2/38

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1209.315+/-0.672 χ^2/NDF:6257.0/1

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1223.297+/-0.659 χ^2/NDF:4327.1/1

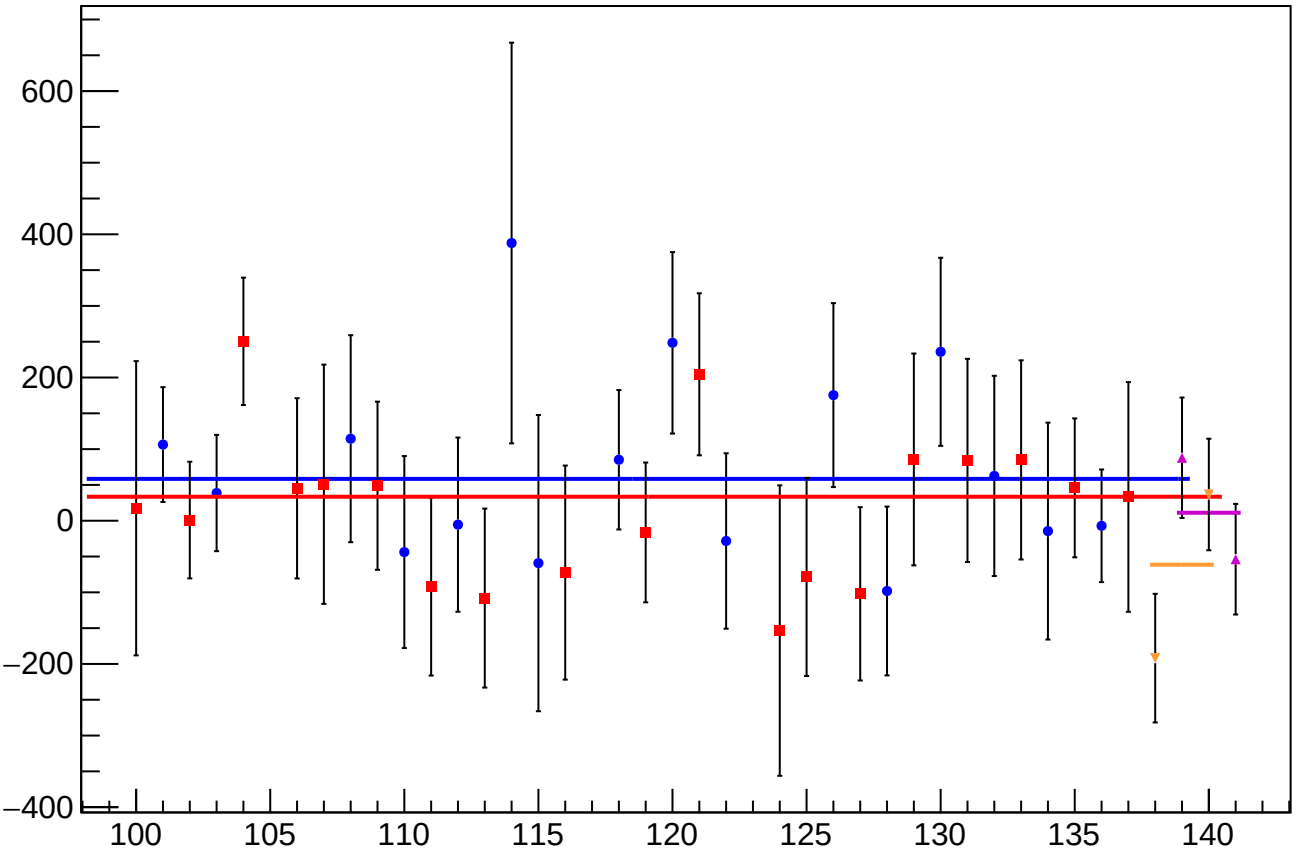
Left: 1216.449+/-0.470 χ^2/NDF: 10804.8/3

Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1784.587+/-0.463 χ^2/NDF:3092133.0/17

Out: 1744.163+/-0.448 χ^2/NDF:3130383.0/20

All: 1763.715+/-0.322 χ^2/NDF: 6226452.8/38



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -61.438+/-58.842 χ^2/NDF:3.7/1

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 11.156+/-56.894 χ^2/NDF:1.5/1

Left: -23.920+/-40.901 χ^2/NDF: 6.0/3

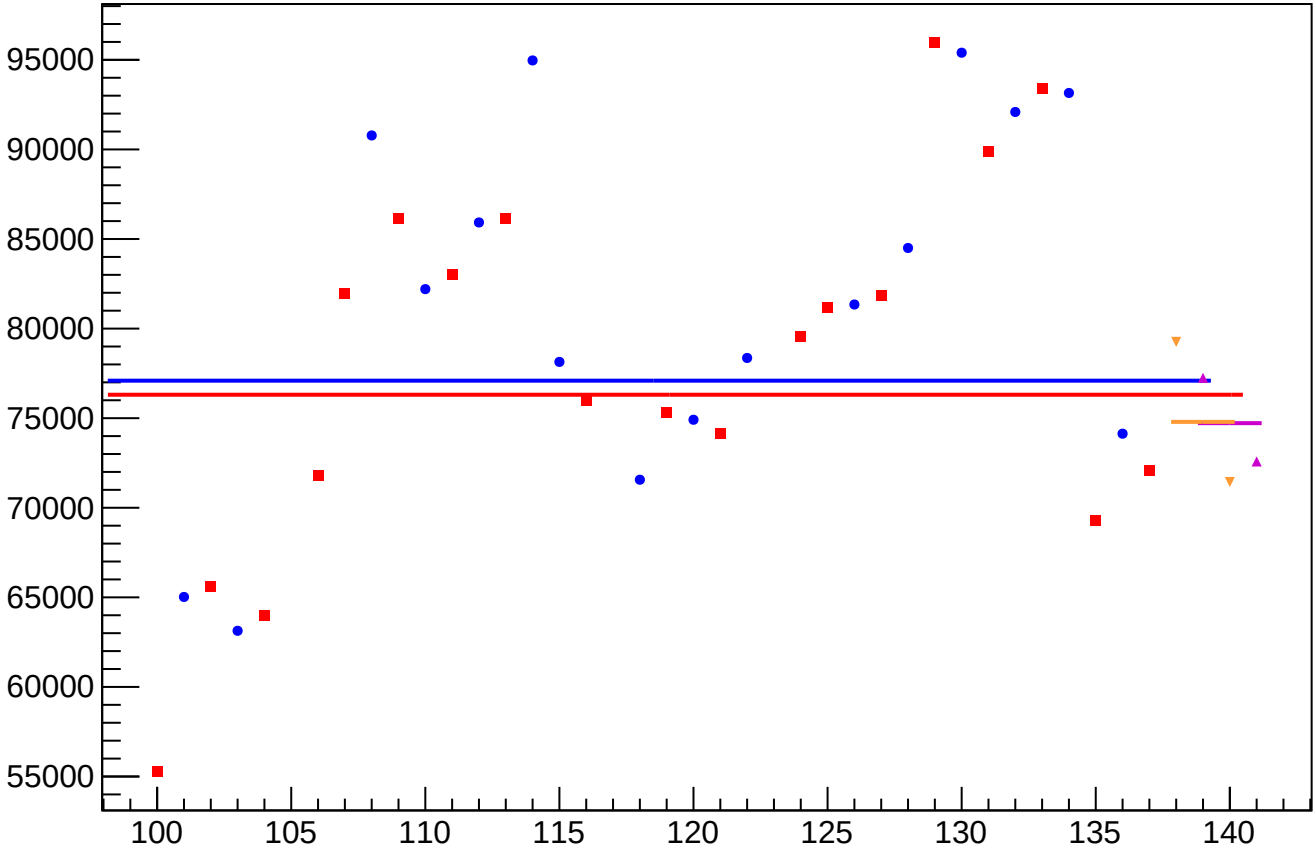
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 48.737+/-25.779 χ^2/NDF:13.4/17

Out: 15.881+/-25.361 χ^2/NDF:20.5/20

All: 32.041+/-18.079 χ^2/NDF: 34.7/38

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 74793.432+/-41.608 χ^2/NDF:8660.9/1

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 74722.352+/-40.230 χ^2/NDF:3341.2/1

Left: 74756.696+/-28.922 χ^2/NDF: 12003.6/3

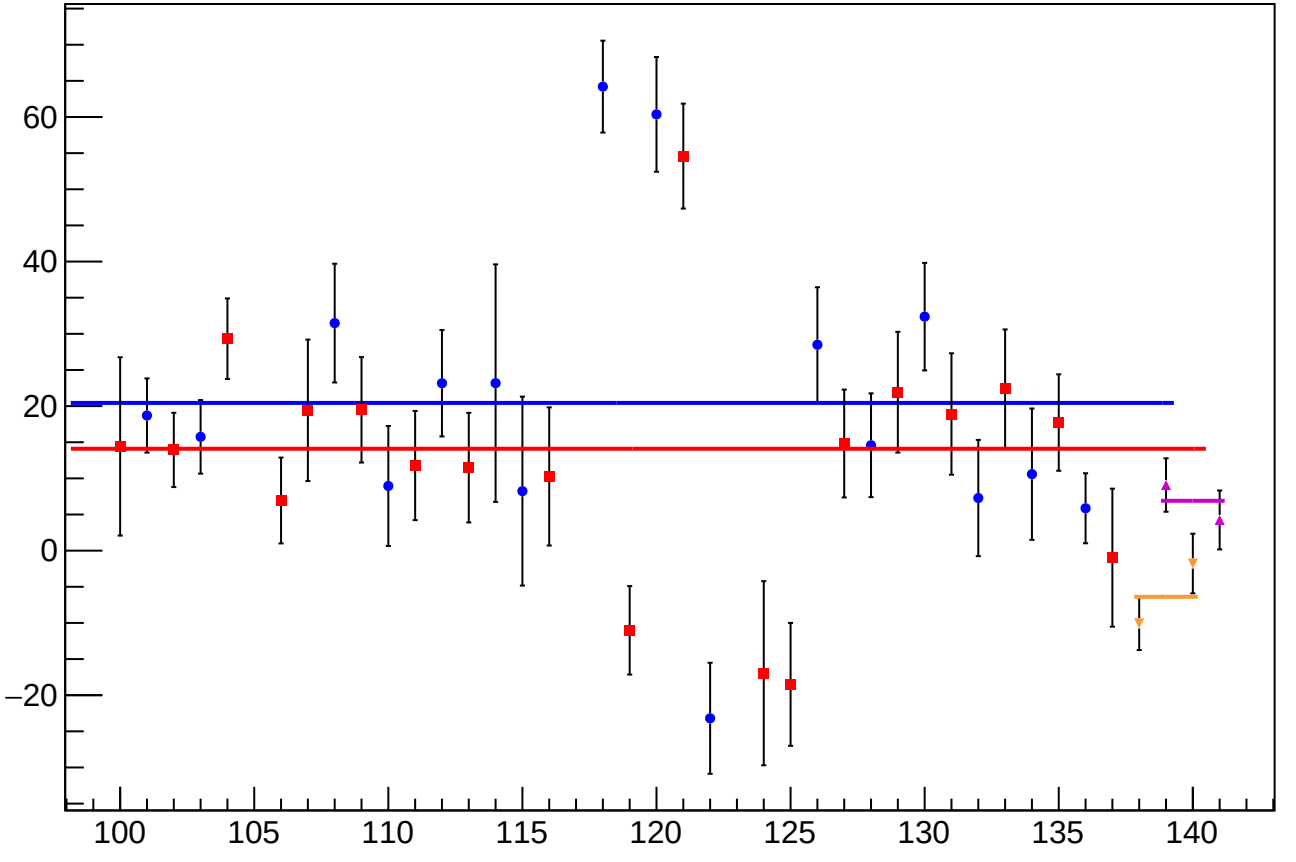
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 76606.399+/-18.228 χ^2/NDF:254643.7/17

Out: 76027.225+/-17.933 χ^2/NDF:244174.0/20

All: 76312.082+/-12.784 χ^2/NDF: 499330.8/3

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -6.383+/-2.750 χ^2/NDF:2.2/1

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 6.898+/-2.739 χ^2/NDF:0.8/1

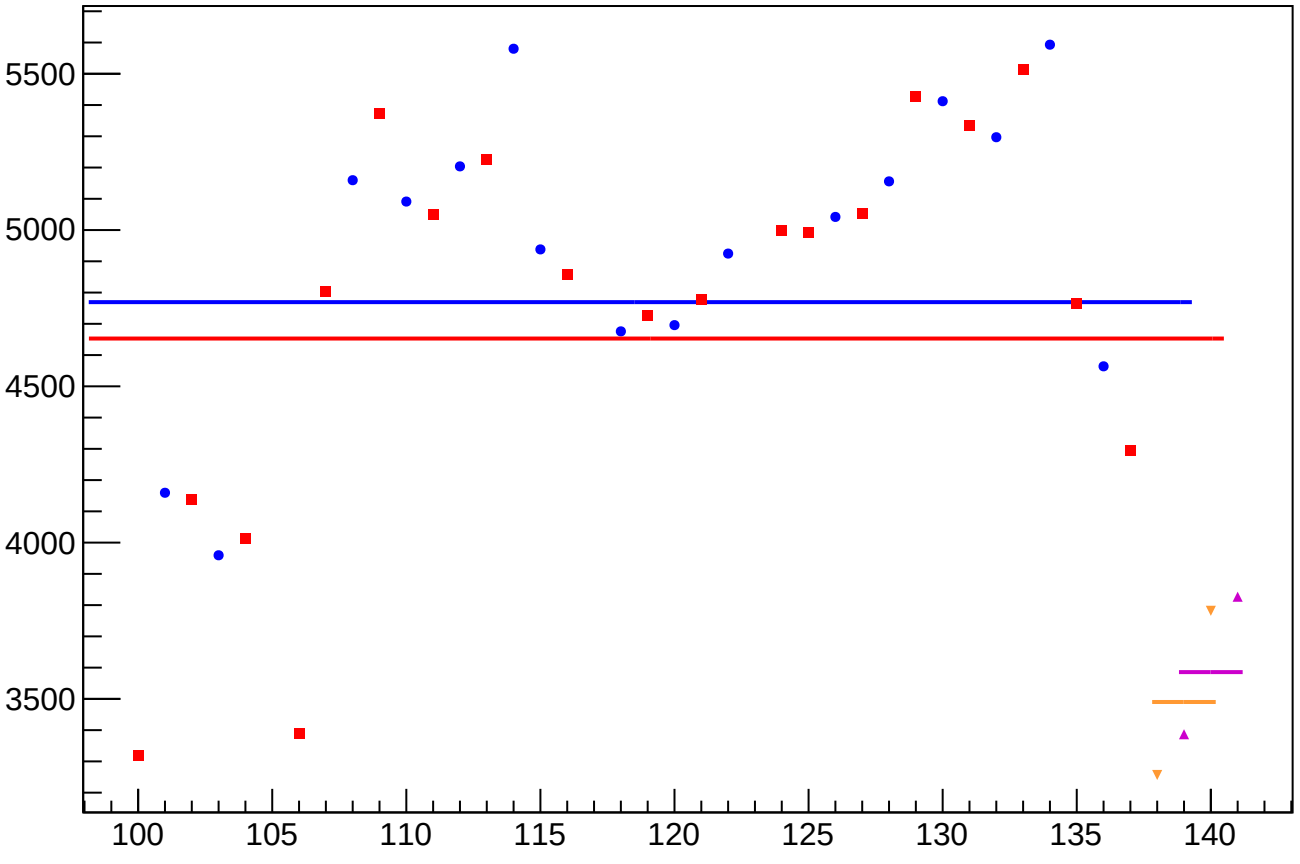
Left: 0.284+/-1.940 χ^2/NDF: 14.7/3

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 16.413+/-1.494 χ^2/NDF:145.8/17

Out: 8.372+/-1.454 χ^2/NDF:126.0/20

All: 12.285+/-1.042 χ^2/NDF: 286.6/38



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3490.079+/-1.944 χ^2/NDF:18021.1/1

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3585.682+/-1.937 χ^2/NDF:12785.7/1

Left: 3538.074+/-1.372 χ^2/NDF: 32020.4/3

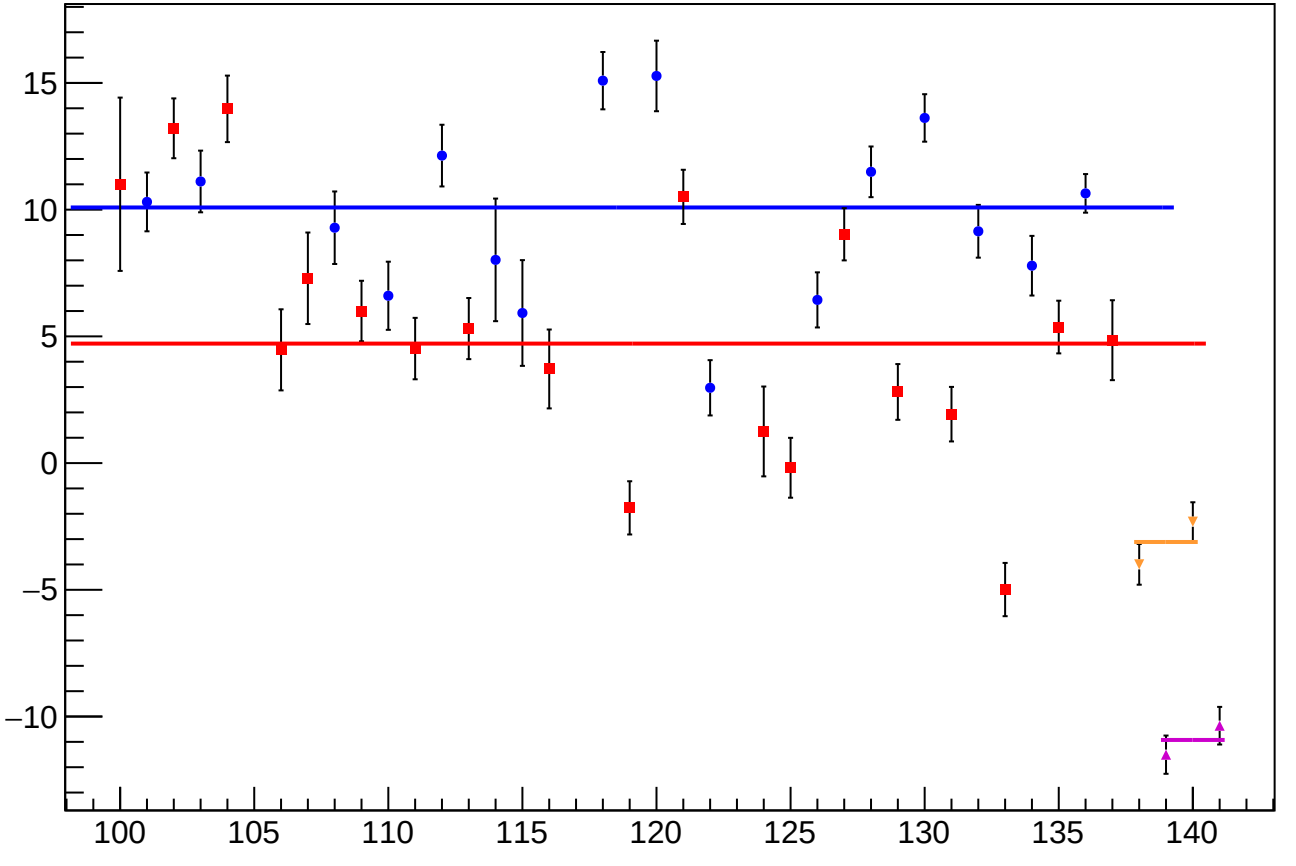
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4417.293+/-1.056 χ^2/NDF:426955.9/17

Out: 4327.660+/-1.028 χ^2/NDF:540757.3/20

All: 4371.282+/-0.737 χ^2/NDF: 971410.6/38

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.113+/-0.554 χ^2/NDF:2.3/1

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -10.925+/-0.529 χ^2/NDF:1.2/1

Left: -7.200+/-0.383 χ^2/NDF: 107.3/3

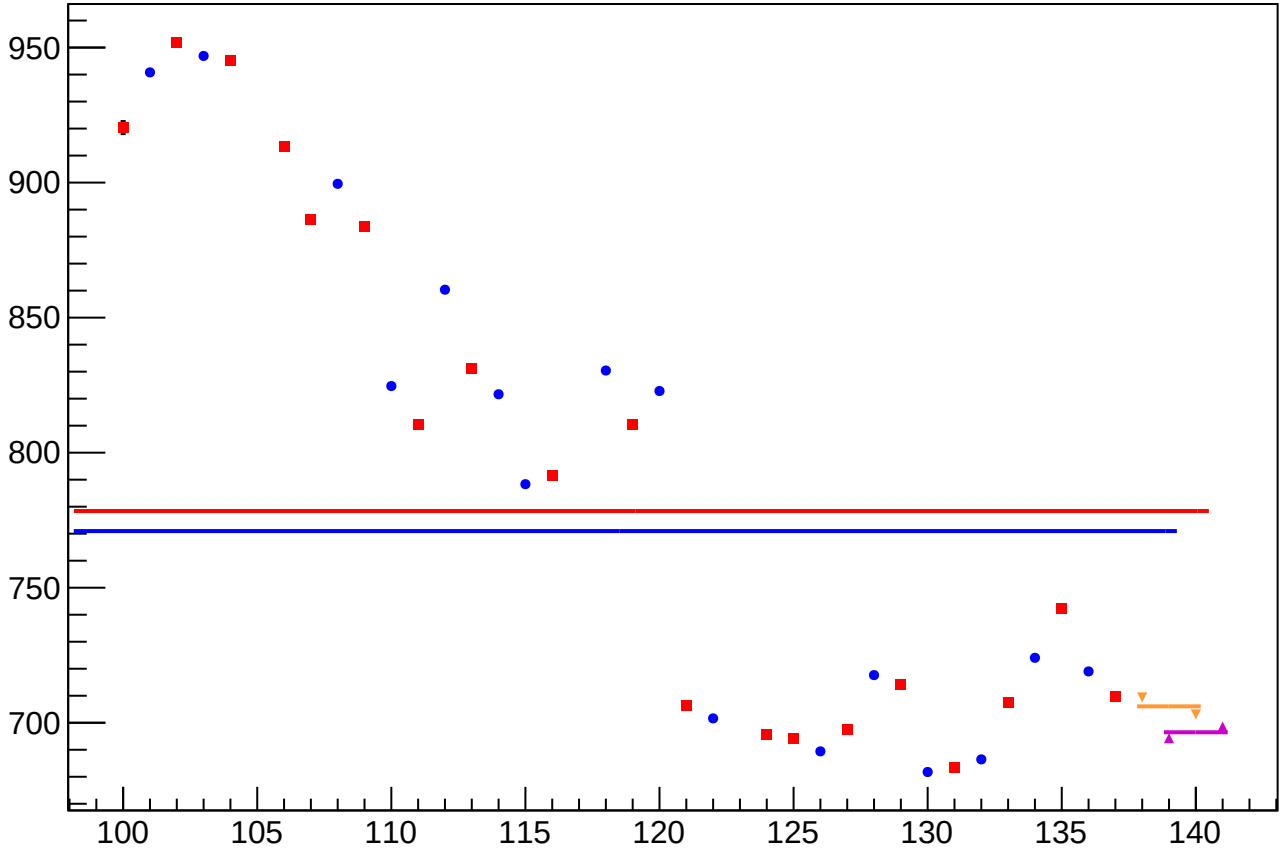
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 5.276+/-0.253 χ^2/NDF:1340.3/17

Out: 3.072+/-0.254 χ^2/NDF:470.0/20

All: 4.178+/-0.179 χ^2/NDF: 1848.1/38

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 706.071+/-0.392 χ^2/NDF:63.9/1

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 696.472+/-0.374 χ^2/NDF:32.9/1

Left: 701.048+/-0.271 χ^2/NDF: 410.5/3

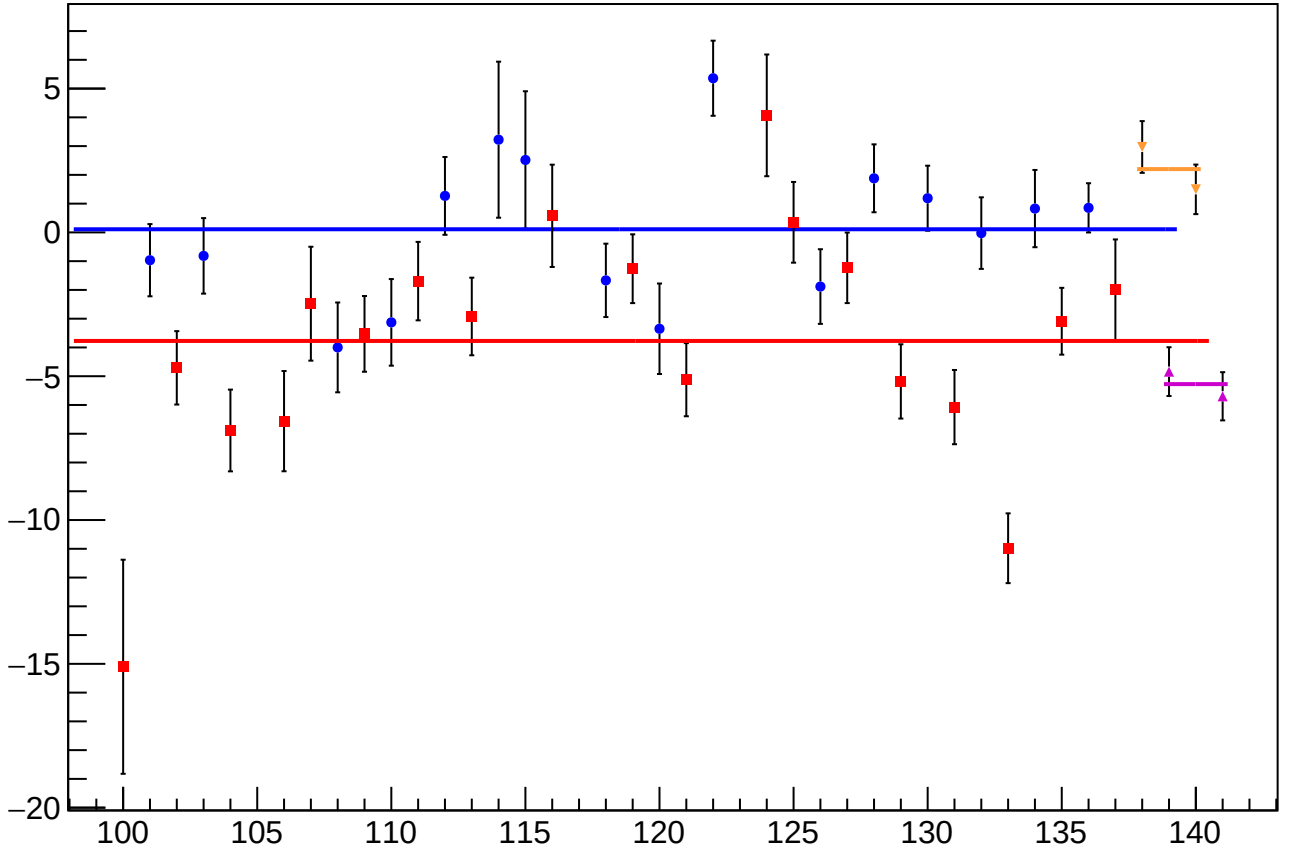
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 753.918+/-0.179 χ^2/NDF:223503.7/17

Out: 763.215+/-0.180 χ^2/NDF:223494.5/20

All: 758.552+/-0.127 χ^2/NDF: 448341.9/38

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.201+/-0.622 χ^2/NDF:1.4/1

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -5.274+/-0.596 χ^2/NDF:0.5/1

Left: -1.697+/-0.430 χ^2/NDF: 77.2/3

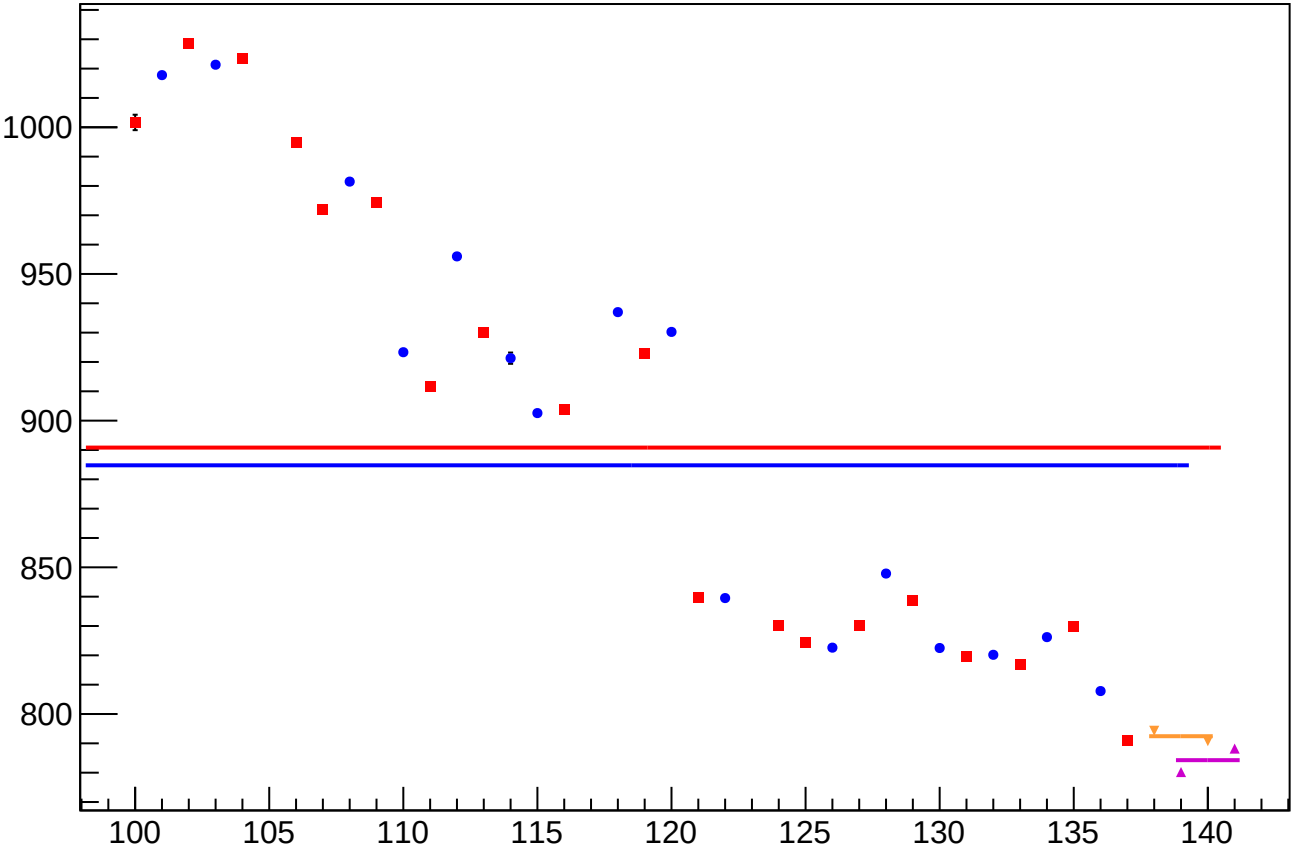
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.153+/-0.289 χ^2/NDF:108.3/17

Out: -2.486+/-0.289 χ^2/NDF:173.3/20

All: -1.820+/-0.204 χ^2/NDF: 292.3/38

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 792.431+/-0.440 χ^2/NDF:16.2/1

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 784.267+/-0.421 χ^2/NDF:90.1/1

Left: 788.174+/-0.304 χ^2/NDF: 285.8/3

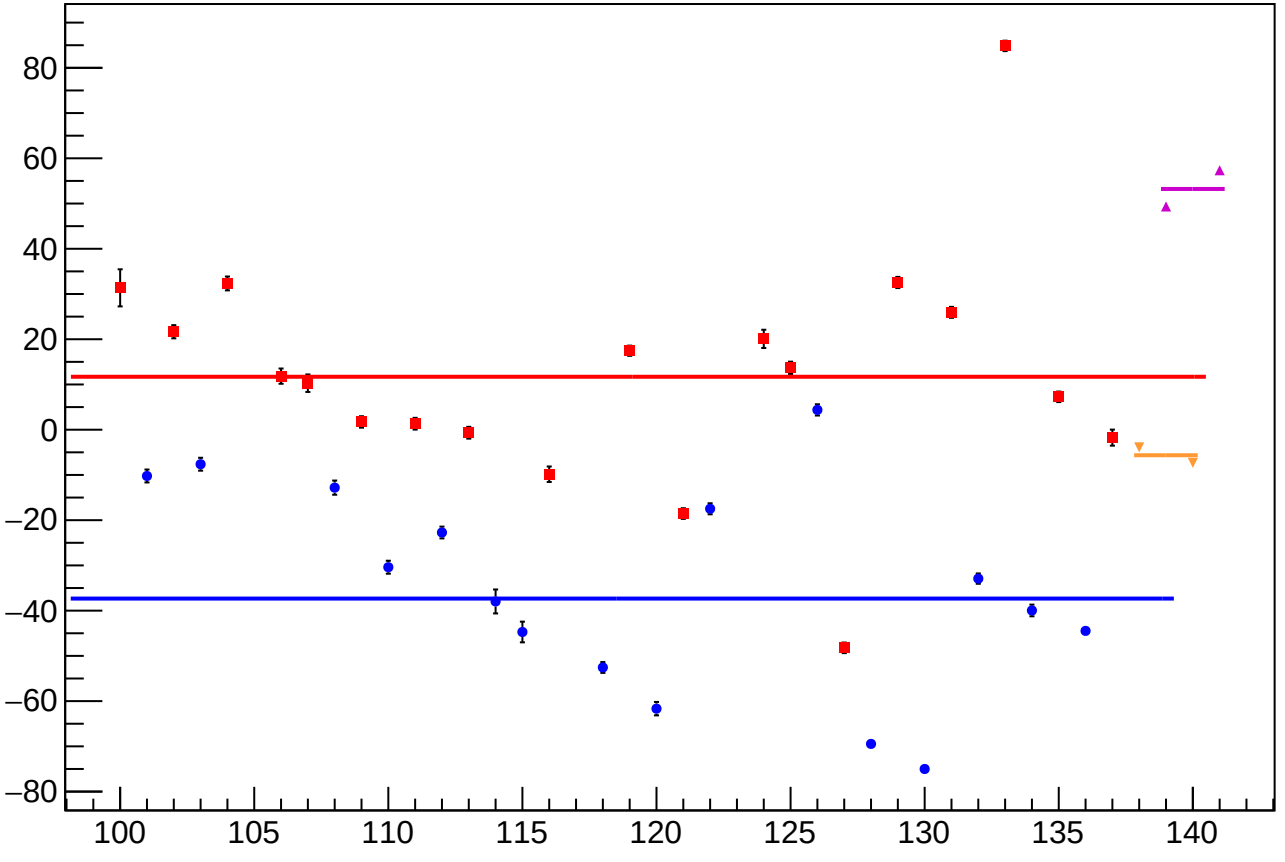
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 861.203+/-0.204 χ^2/NDF:148116.1/17

Out: 869.617+/-0.204 χ^2/NDF:147013.1/20

All: 865.408+/-0.144 χ^2/NDF: 295978.5/38

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -5.644+/-0.625 χ^2/NDF:7.5/1

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 53.224+/-0.607 χ^2/NDF:43.4/1

Left: 24.658+/-0.436 χ^2/NDF: 4612.8/3

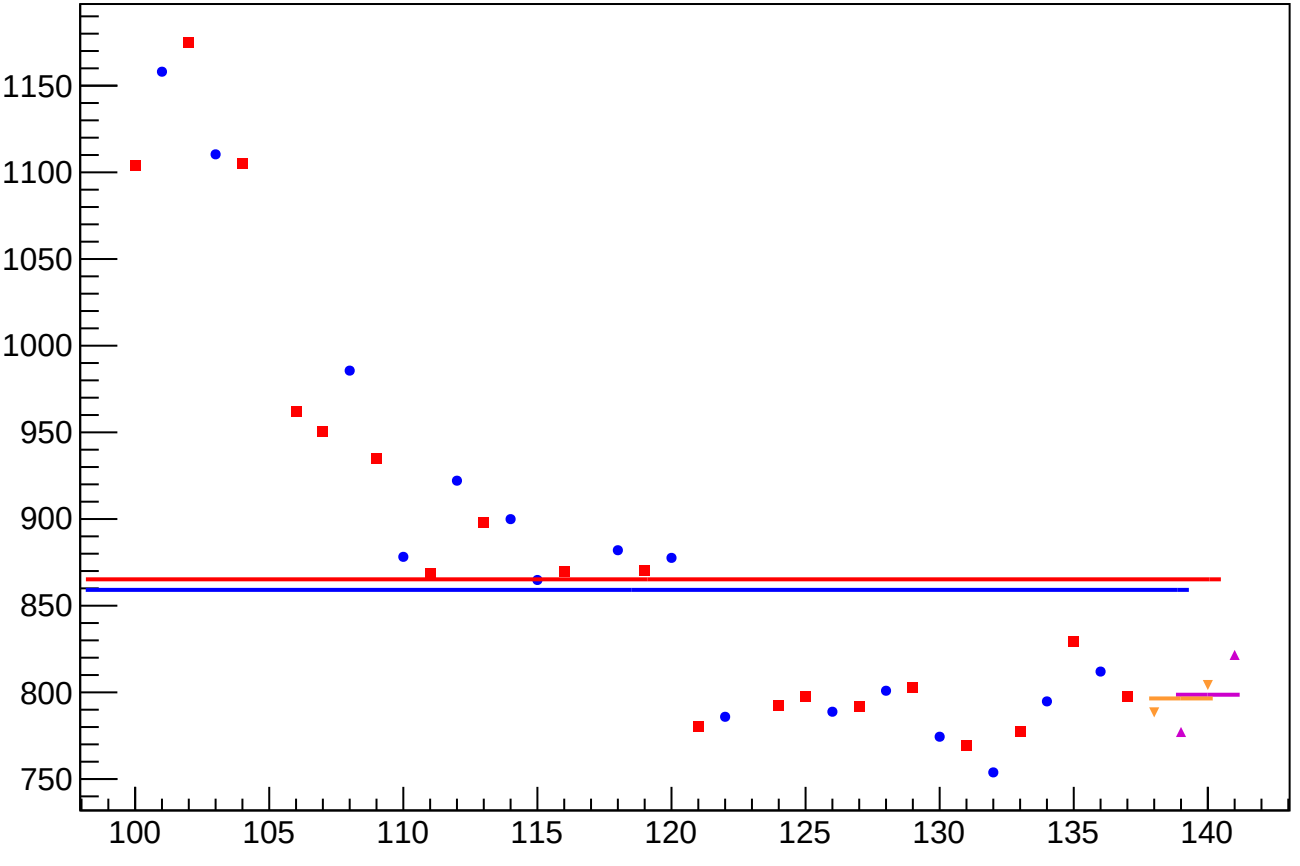
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: -17.476+/-0.284 χ^2/NDF:22596.2/17

Out: 8.143+/-0.283 χ^2/NDF:9082.8/20

All: -4.627+/-0.201 χ^2/NDF: 35752.4/38

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 796.492+/-0.442 χ^2/NDF:318.3/1

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 798.637+/-0.429 χ^2/NDF:2676.8/1

Left: 797.596+/-0.308 χ^2/NDF: 3007.3/3

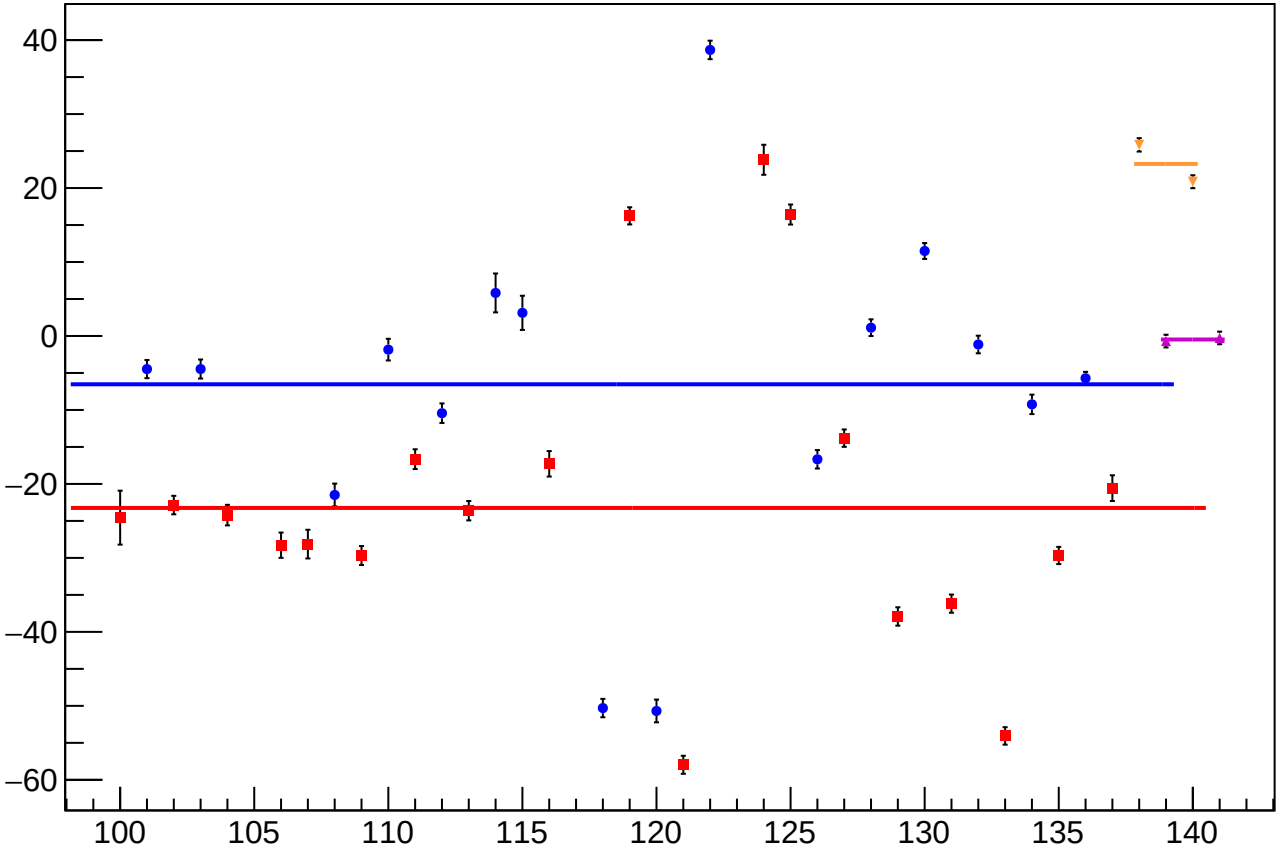
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 845.864+/-0.201 χ^2/NDF:246886.4/17

Out: 851.099+/-0.200 χ^2/NDF:243180.8/20

All: 848.490+/-0.142 χ^2/NDF: 490407.3/38

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 23.258+/-0.630 χ^2/NDF:15.6/1

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -0.474+/-0.606 χ^2/NDF:0.1/1

Left: 10.932+/-0.437 χ^2/NDF: 753.0/3

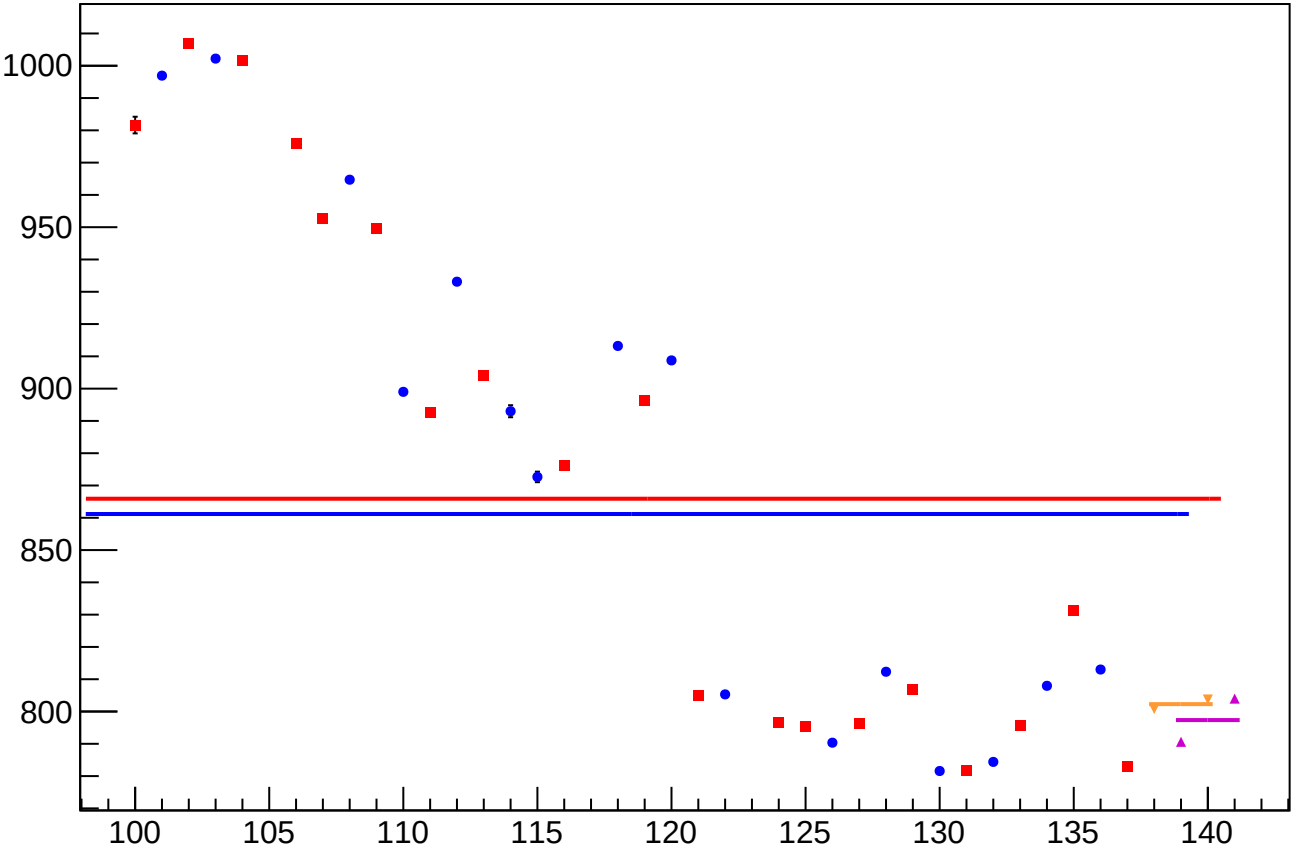
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -5.200+/-0.284 χ^2/NDF:4024.2/17

Out: -13.845+/-0.283 χ^2/NDF:8834.4/20

All: -9.532+/-0.200 χ^2/NDF: 13323.5/38

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 802.287+/-0.445 χ^2/NDF:11.0/1

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 797.350+/-0.428 χ^2/NDF:243.6/1

Left: 799.723+/-0.309 χ^2/NDF: 318.5/3

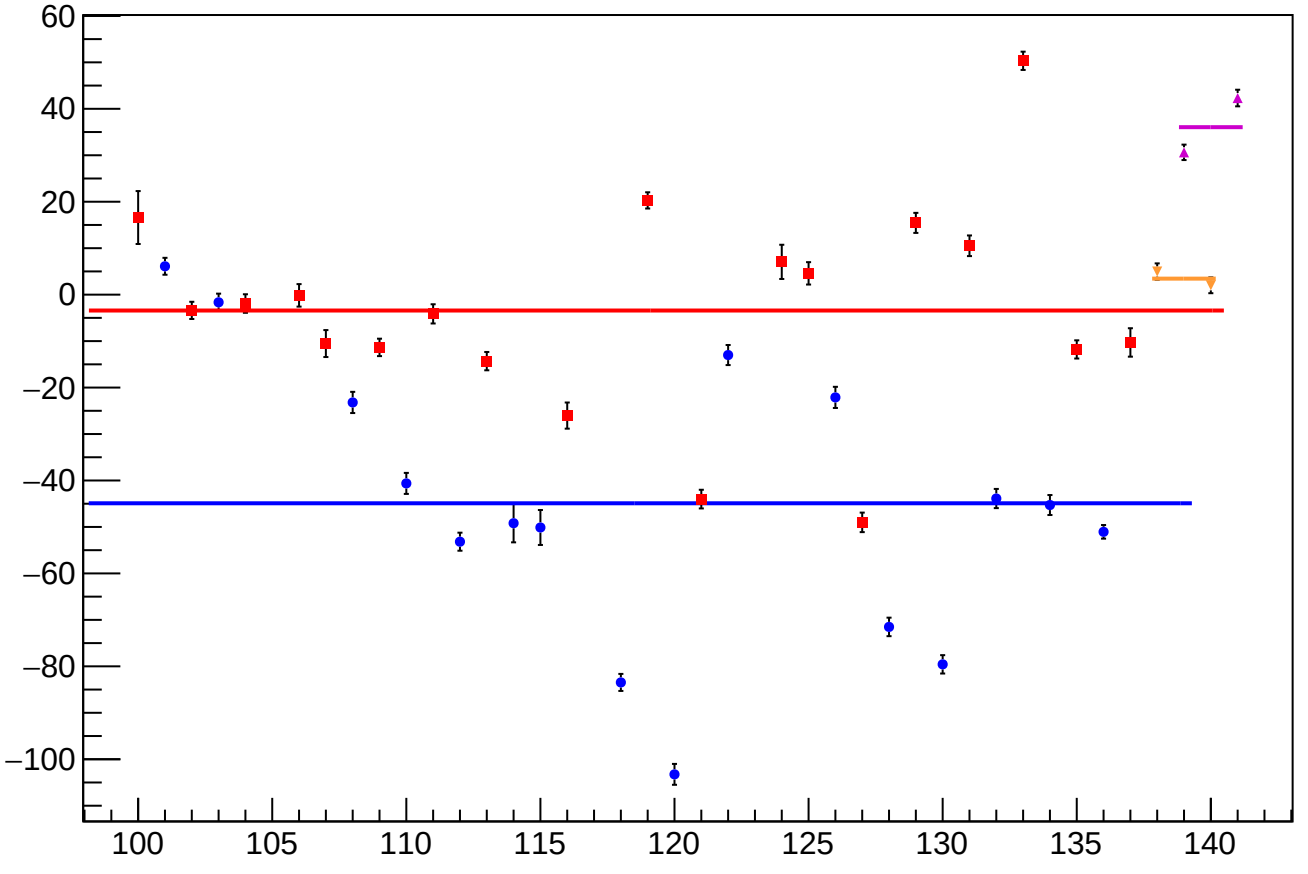
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 847.171+/-0.201 χ^2/NDF:131093.5/17

Out: 853.048+/-0.200 χ^2/NDF:134709.0/20

All: 850.116+/-0.142 χ^2/NDF: 266232.3/38

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: 3.447+/-1.222 χ^2/NDF:1.5/1

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 36.047+/-1.216 χ^2/NDF:23.0/1

Left: 19.815+/-0.862 χ^2/NDF: 382.0/3

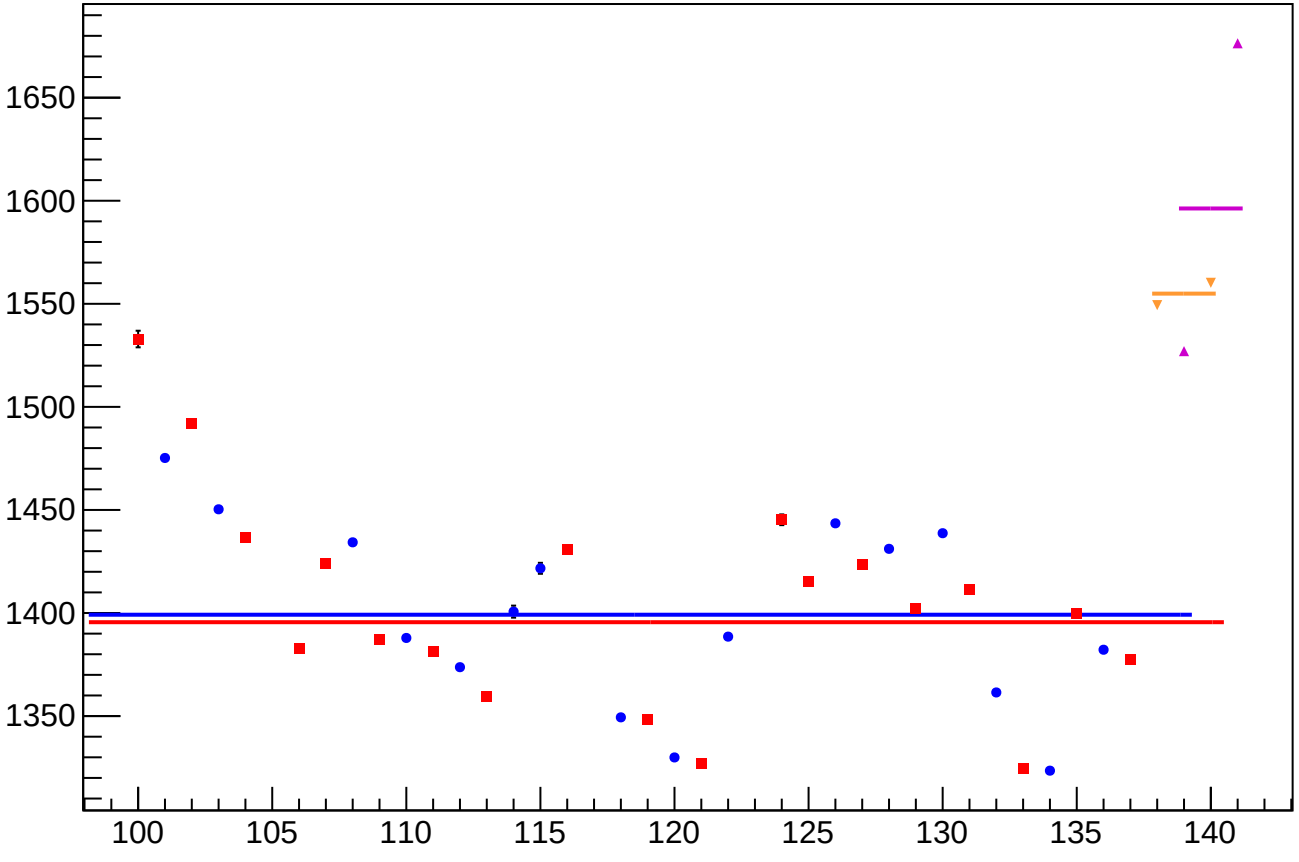
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -32.402+/-0.478 χ^2/NDF:7145.2/17

Out: -2.400+/-0.470 χ^2/NDF:2130.5/20

All: -17.145+/-0.335 χ^2/NDF: 11278.5/38

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1554.941+/-0.864 χ^2/NDF:39.3/1

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1596.249+/-0.860 χ^2/NDF:7496.2/1

Left: 1575.682+/-0.609 χ^2/NDF: 8683.9/3

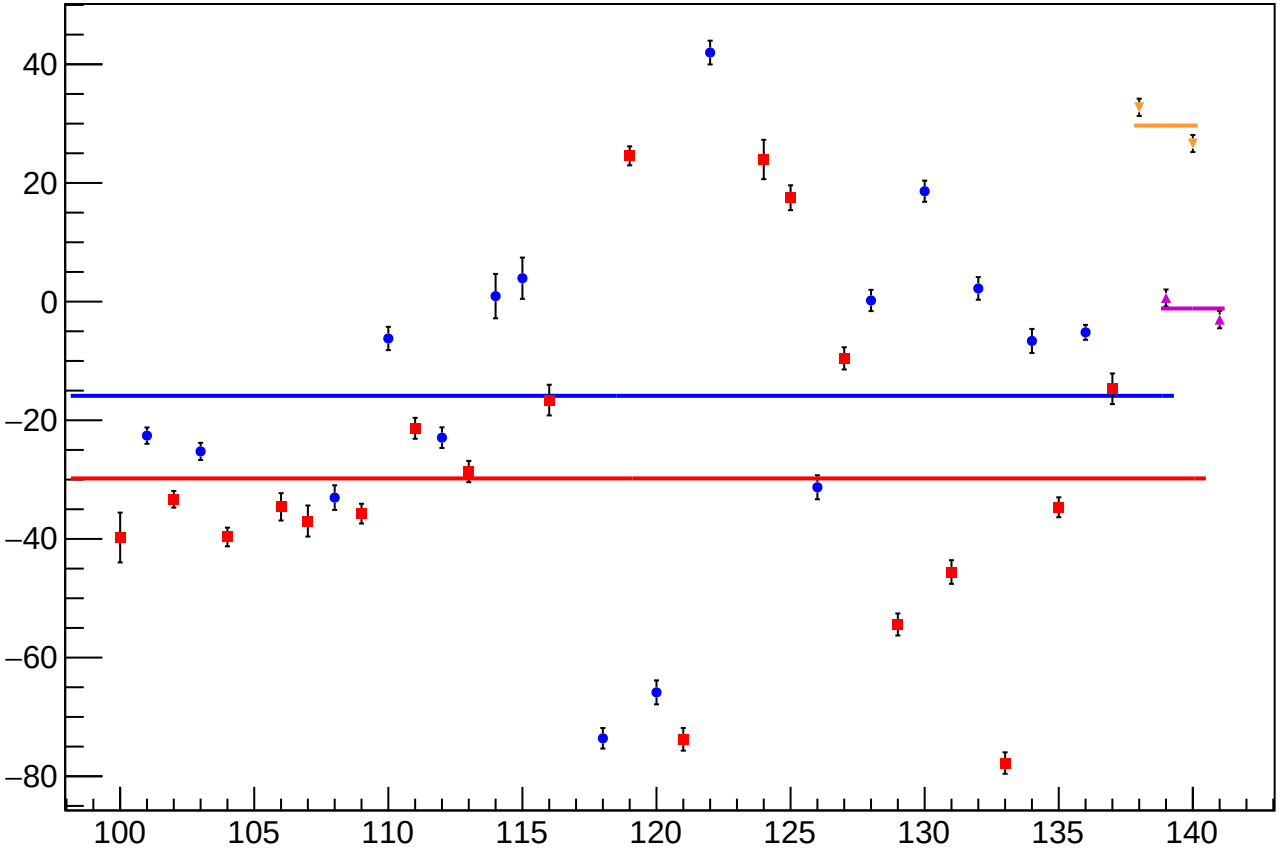
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1429.611+/-0.338 χ^2/NDF:66727.6/17

Out: 1419.139+/-0.332 χ^2/NDF:45292.9/20

All: 1424.285+/-0.237 χ^2/NDF: 112508.5/38

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 29.675+/-1.025 χ^2/NDF:8.9/1

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -1.159+/-1.018 χ^2/NDF:3.2/1

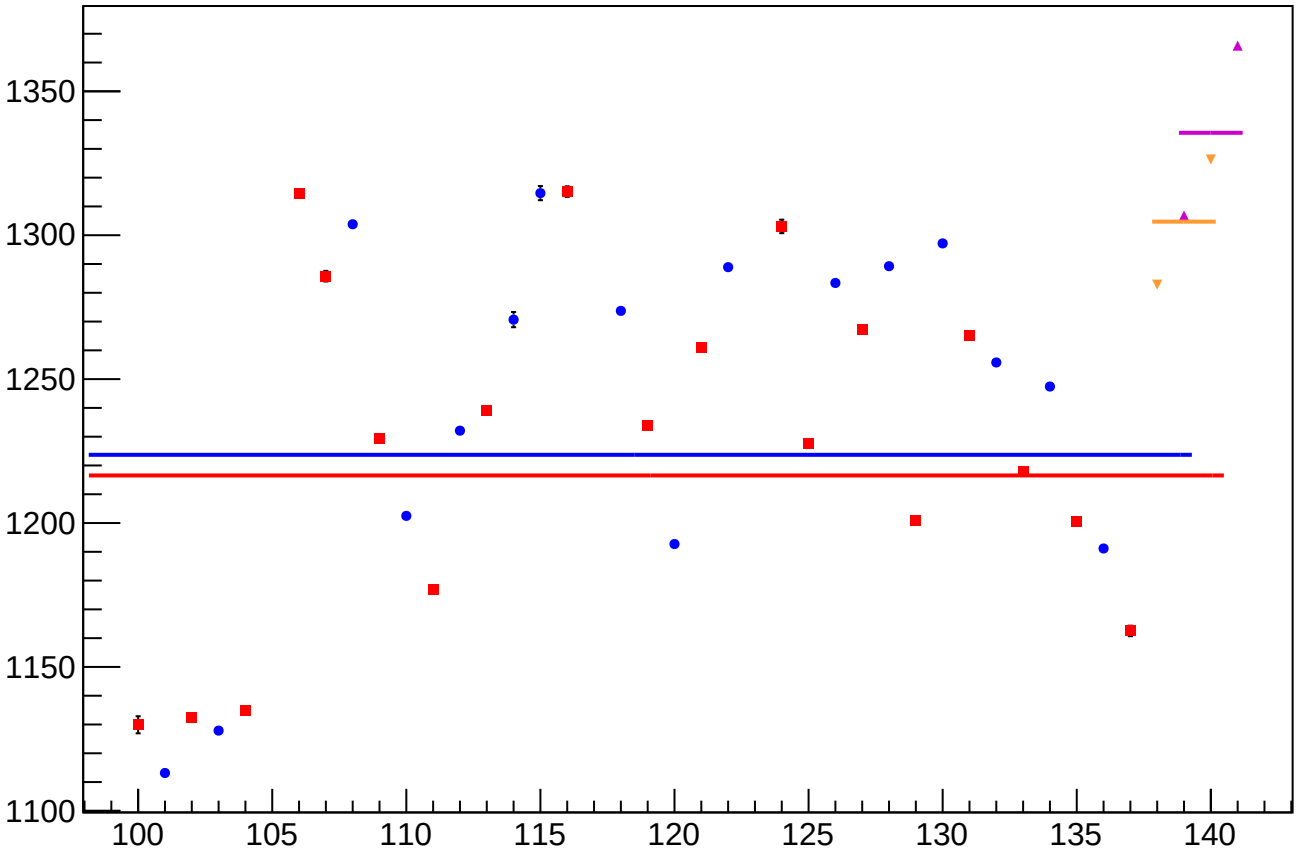
Left: 14.146+/-0.722 χ^2/NDF: 467.8/3

Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -13.424+/-0.416 χ^2/NDF:3655.3/17

Out: -20.391+/-0.408 χ^2/NDF:6524.3/20

All: -16.974+/-0.291 χ^2/NDF: 10322.9/38



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1304.714+/-0.725 χ^2/NDF:900.1/1

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1335.590+/-0.720 χ^2/NDF:1680.5/1

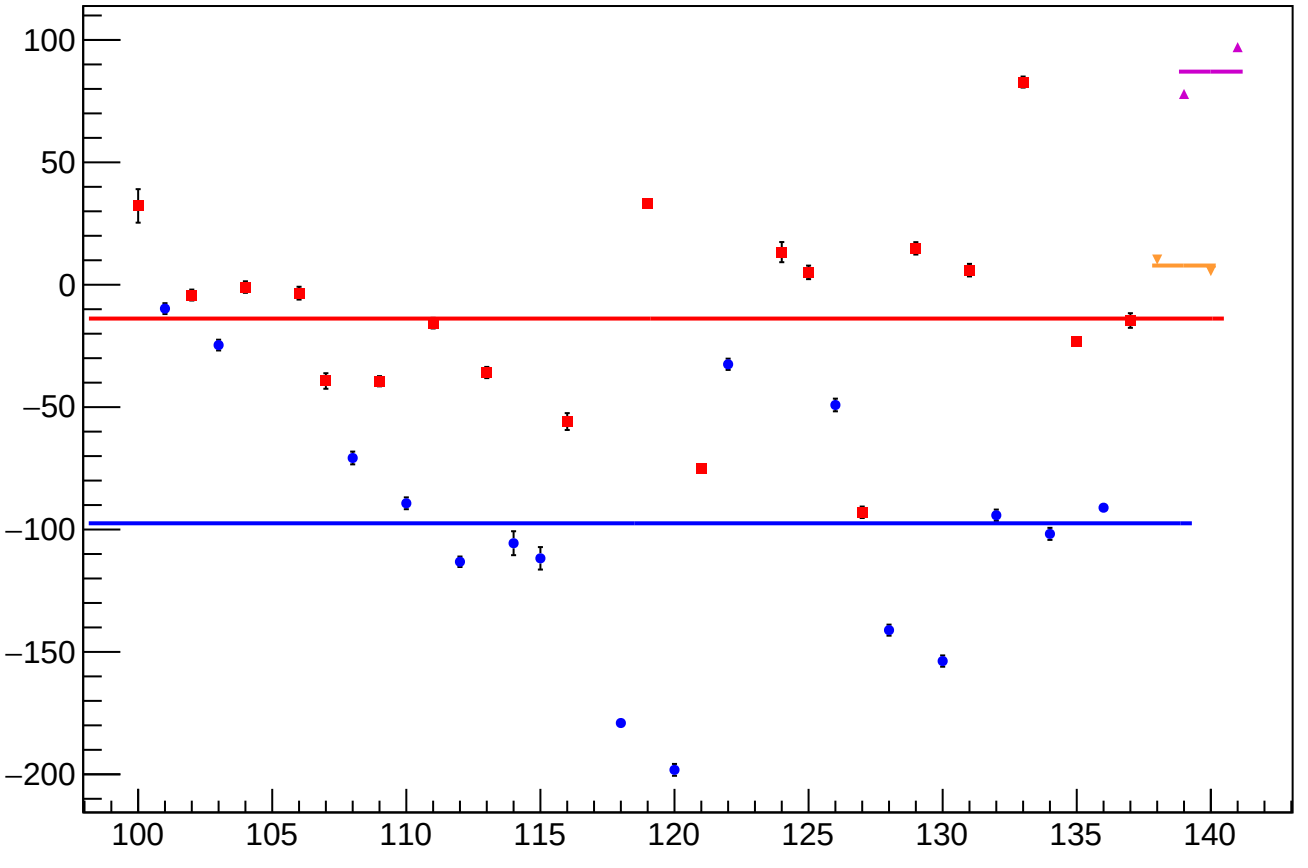
Left: 1320.264+/-0.511 χ^2/NDF: 3494.5/3

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1242.360+/-0.294 χ^2/NDF:62710.6/17

Out: 1230.483+/-0.288 χ^2/NDF:42741.5/20

All: 1236.308+/-0.206 χ^2/NDF: 106284.5/38



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: 7.850+/-1.271 χ^2/NDF:3.4/1

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 87.064+/-1.263 χ^2/NDF:57.1/1

Left: 47.695+/-0.896 χ^2/NDF: 2014.2/3

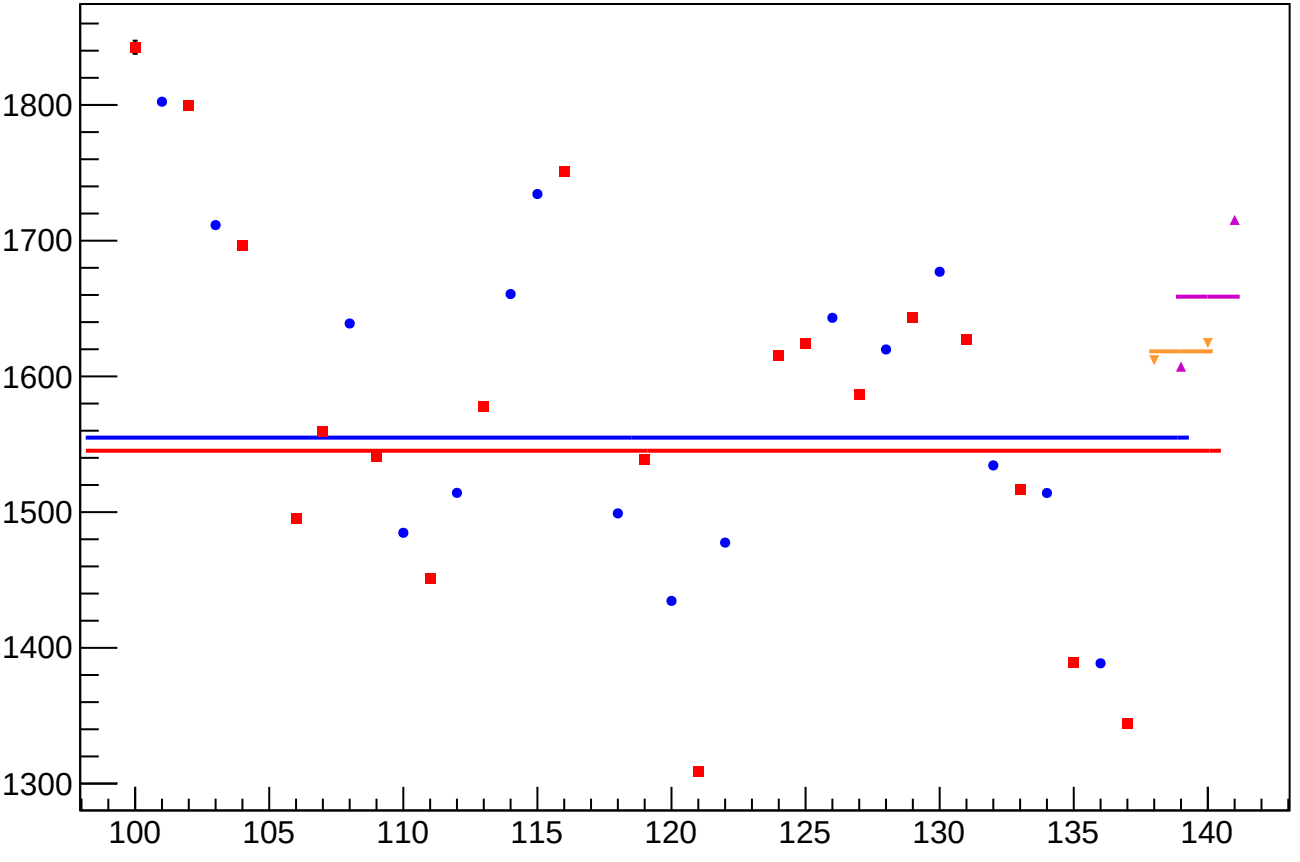
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -65.391+/-0.527 χ^2/NDF:25980.0/17

Out: -10.235+/-0.517 χ^2/NDF:5598.1/20

All: -37.291+/-0.369 χ^2/NDF: 37165.6/38

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1618.464+/-0.899 χ^2/NDF:50.1/1

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1658.772+/-0.893 χ^2/NDF:3654.2/1

Left: 1638.739+/-0.634 χ^2/NDF: 4715.9/3

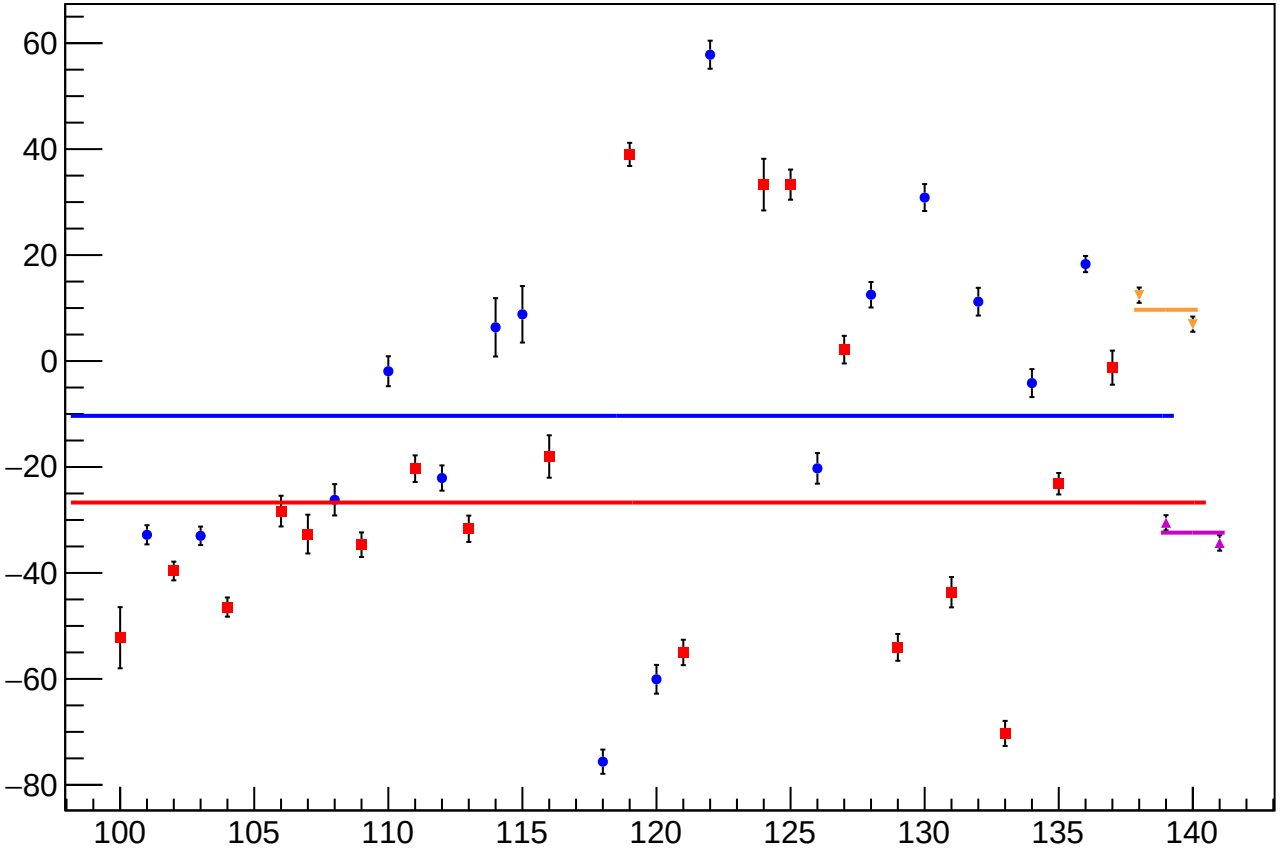
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1572.957+/-0.372 χ^2/NDF:102741.4/17

Out: 1557.344+/-0.365 χ^2/NDF:114379.9/20

All: 1565.003+/-0.261 χ^2/NDF: 218016.7/38

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 9.678+/-1.017 χ^2/NDF:7.2/1

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -32.391+/-1.023 χ^2/NDF:3.5/1

Left: -11.232+/-0.721 χ^2/NDF: 861.2/3

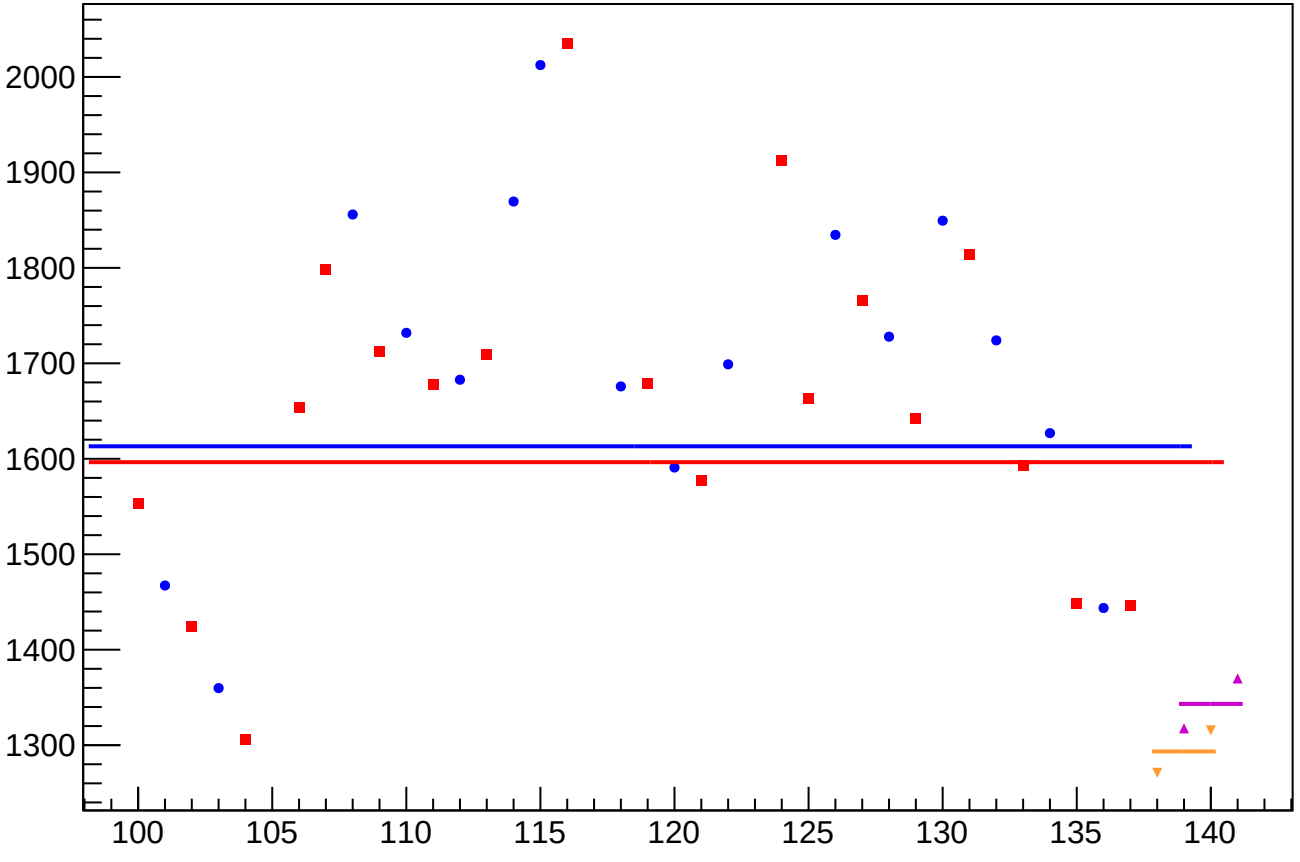
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -16.031+/-0.520 χ^2/NDF:3355.1/17

Out: -17.631+/-0.508 χ^2/NDF:3508.7/20

All: -16.849+/-0.363 χ^2/NDF: 6868.7/38

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1293.414+/-0.719 χ^2/NDF:956.8/1

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1343.237+/-0.723 χ^2/NDF:1306.3/1

Left: 1318.178+/-0.510 χ^2/NDF: 4648.9/3

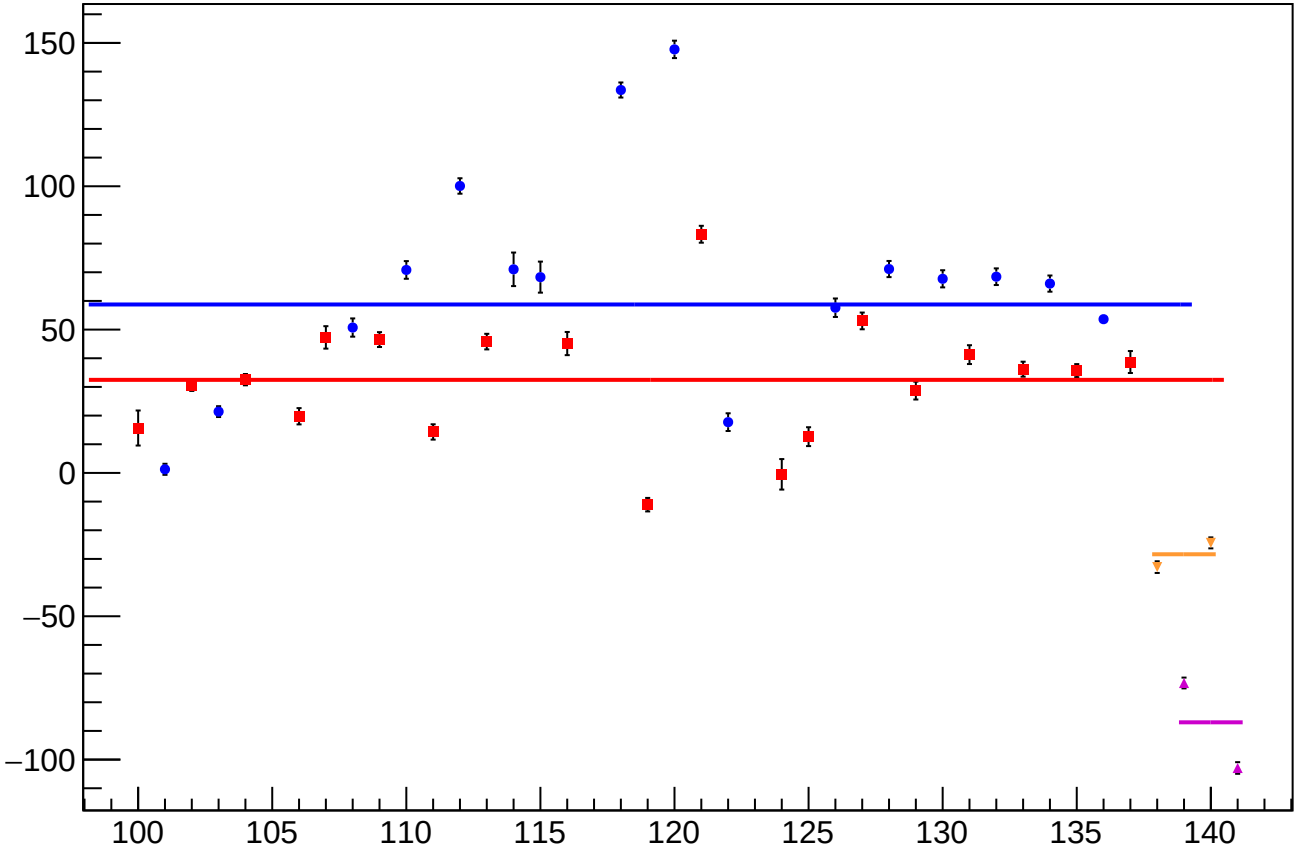
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1543.490+/-0.367 χ^2/NDF:259285.3/17

Out: 1520.839+/-0.359 χ^2/NDF:294939.5/20

All: 1531.909+/-0.257 χ^2/NDF: 556168.3/38

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -28.375+/-1.397 χ^2/NDF:9.1/1

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -86.999+/-1.381 χ^2/NDF:114.6/1

Left: -58.025+/-0.982 χ^2/NDF: 1014.5/3

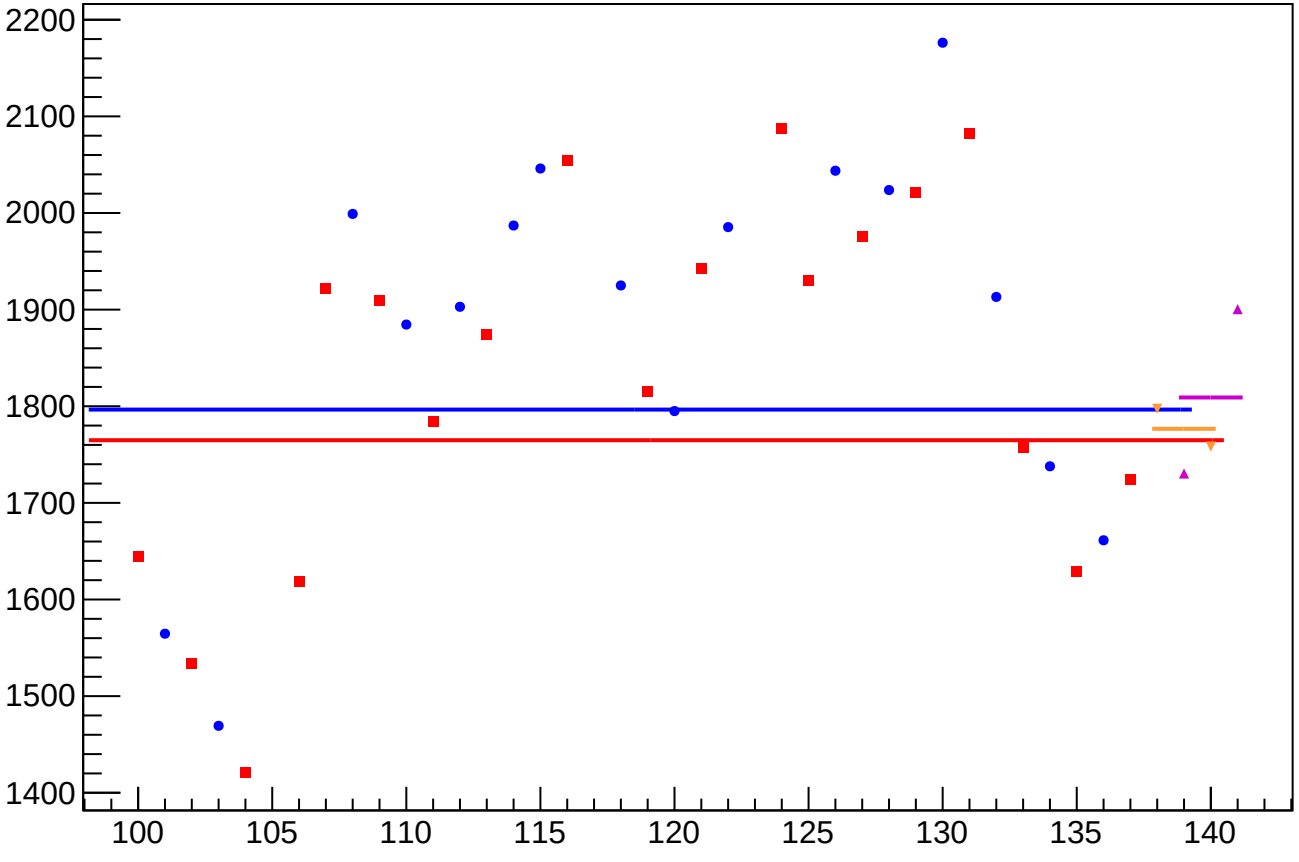
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: 30.821+/-0.605 χ^2/NDF:12564.2/17

Out: 21.680+/-0.588 χ^2/NDF:2500.7/20

All: 26.125+/-0.422 χ^2/NDF: 15182.4/38

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1776.652+/-0.988 χ^2/NDF:391.1/1

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1809.076+/-0.976 χ^2/NDF:7543.9/1

Left: 1793.051+/-0.694 χ^2/NDF: 8479.9/3

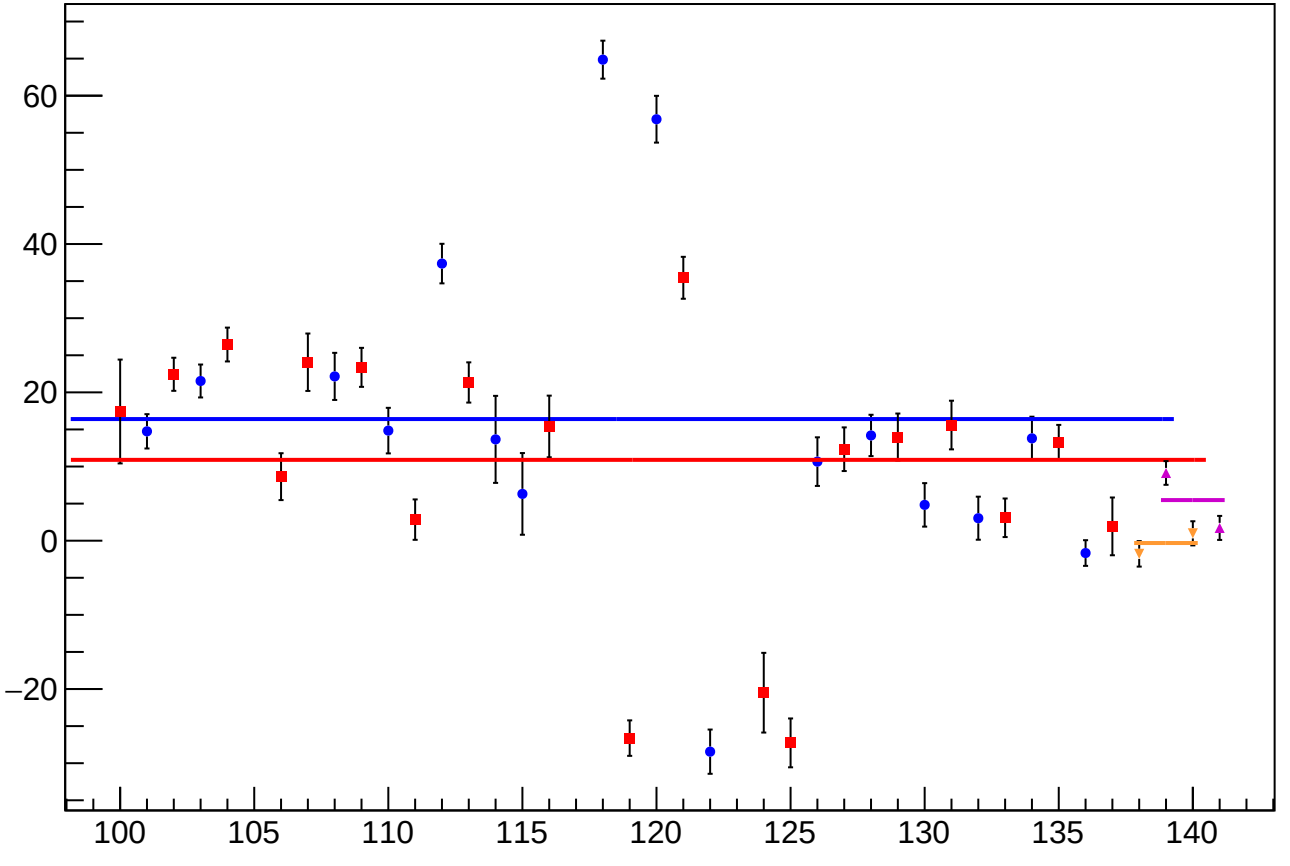
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1798.955+/-0.427 χ^2/NDF:200848.6/17

Out: 1766.951+/-0.416 χ^2/NDF:190496.2/20

All: 1782.512+/-0.298 χ^2/NDF: 394224.3/38

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -0.314+/-1.182 χ^2/NDF:1.4/1

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 5.476+/-1.137 χ^2/NDF:10.6/1

Left: 2.694+/-0.820 χ^2/NDF: 24.4/3

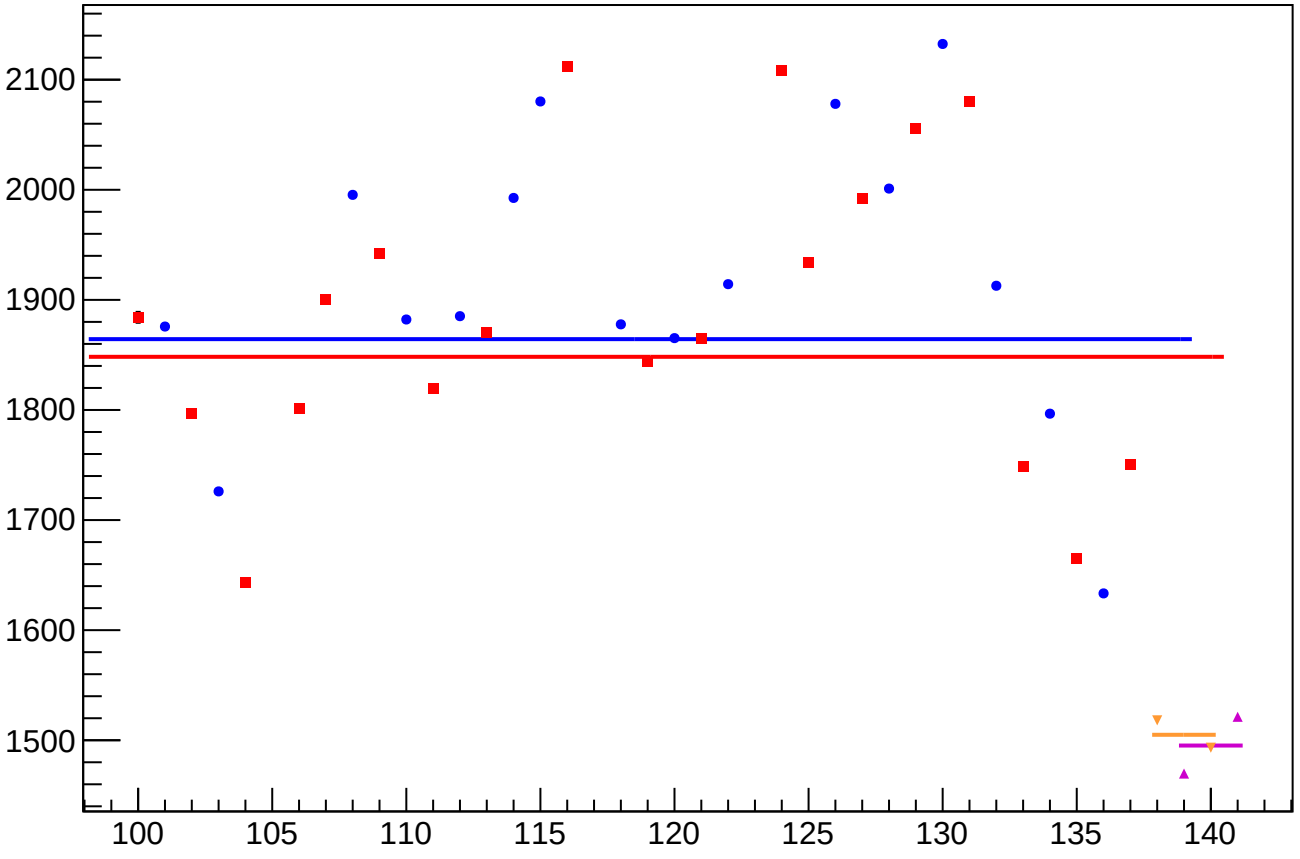
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 13.430+/-0.593 χ^2/NDF:1050.7/17

Out: 8.135+/-0.587 χ^2/NDF:710.8/20

All: 10.756+/-0.417 χ^2/NDF: 1801.8/38

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1504.959+/-0.836 χ^2/NDF:220.2/1

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1495.194+/-0.804 χ^2/NDF:1028.0/1

Left: 1499.887+/-0.580 χ^2/NDF: 1319.1/3

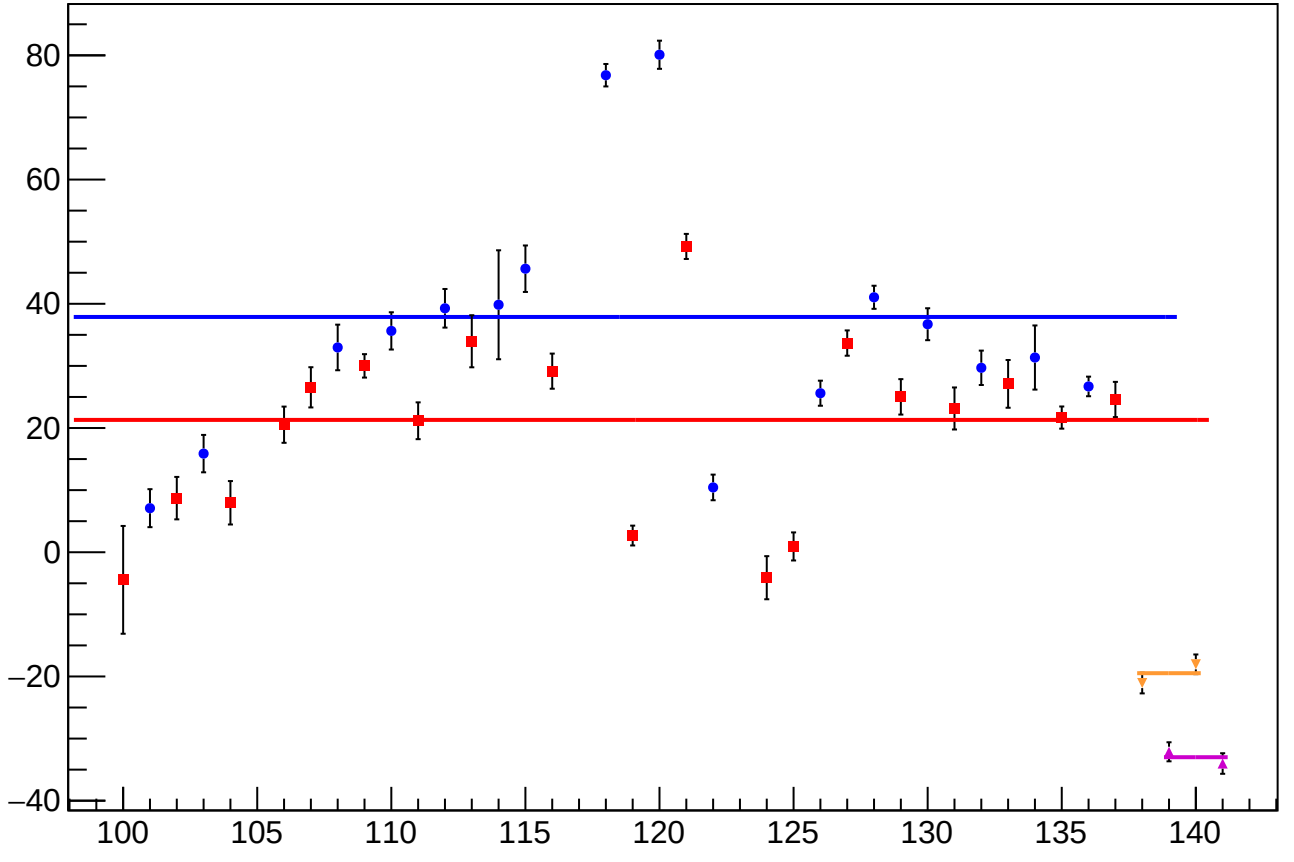
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1763.973+/-0.419 χ^2/NDF:237750.5/17

Out: 1763.656+/-0.415 χ^2/NDF:202243.0/20

All: 1763.813+/-0.295 χ^2/NDF: 439993.8/38

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -19.473+/-1.148 χ^2/NDF:1.7/1

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -32.999+/-1.125 χ^2/NDF:0.7/1

Left: -26.371+/-0.803 χ^2/NDF: 73.3/3

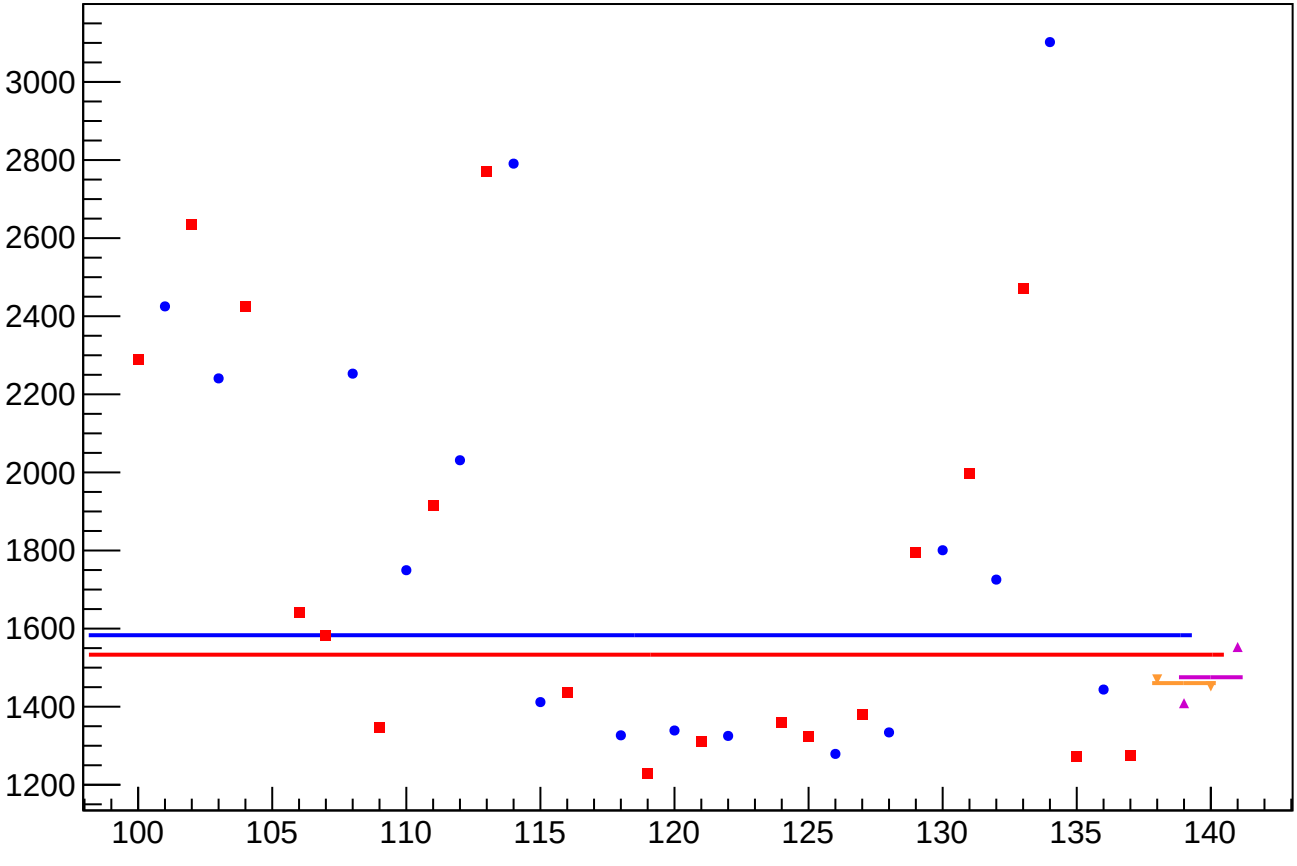
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 21.272+/-0.545 χ^2/NDF:4289.6/17

Out: 12.715+/-0.527 χ^2/NDF:1580.8/20

All: 16.852+/-0.379 χ^2/NDF: 5998.0/38

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1460.411+/-0.812 χ^2/NDF:124.4/1

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1475.427+/-0.796 χ^2/NDF:8129.2/1

Left: 1468.069+/-0.568 χ^2/NDF: 8428.1/3

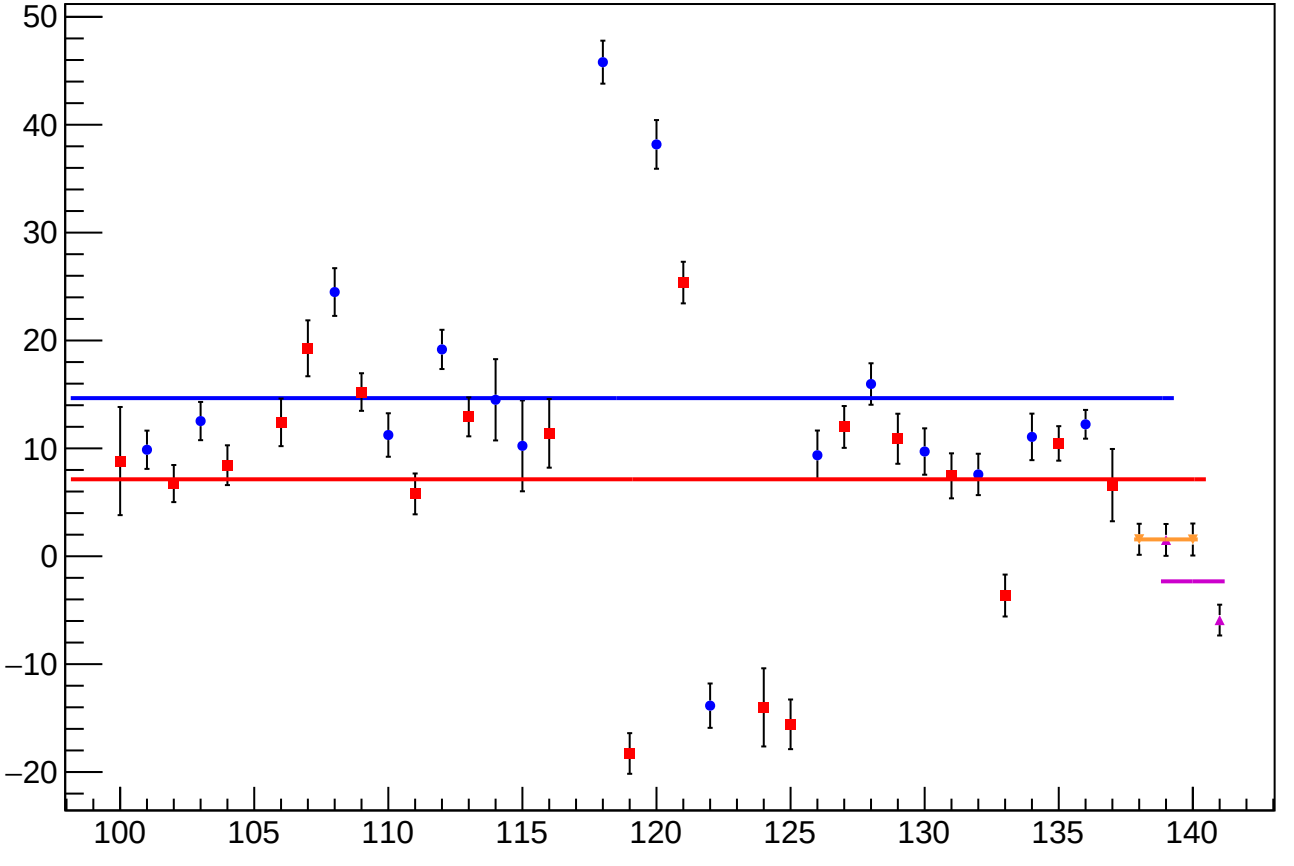
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1557.832+/-0.385 χ^2/NDF:809815.1/17

Out: 1517.858+/-0.372 χ^2/NDF:957249.6/20

All: 1537.181+/-0.268 χ^2/NDF: 1772631.7/38

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 1.563+/-1.033 χ^2/NDF:0.0/1

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -2.326+/-1.026 χ^2/NDF:13.1/1

Left: -0.394+/-0.728 χ^2/NDF: 20.2/3

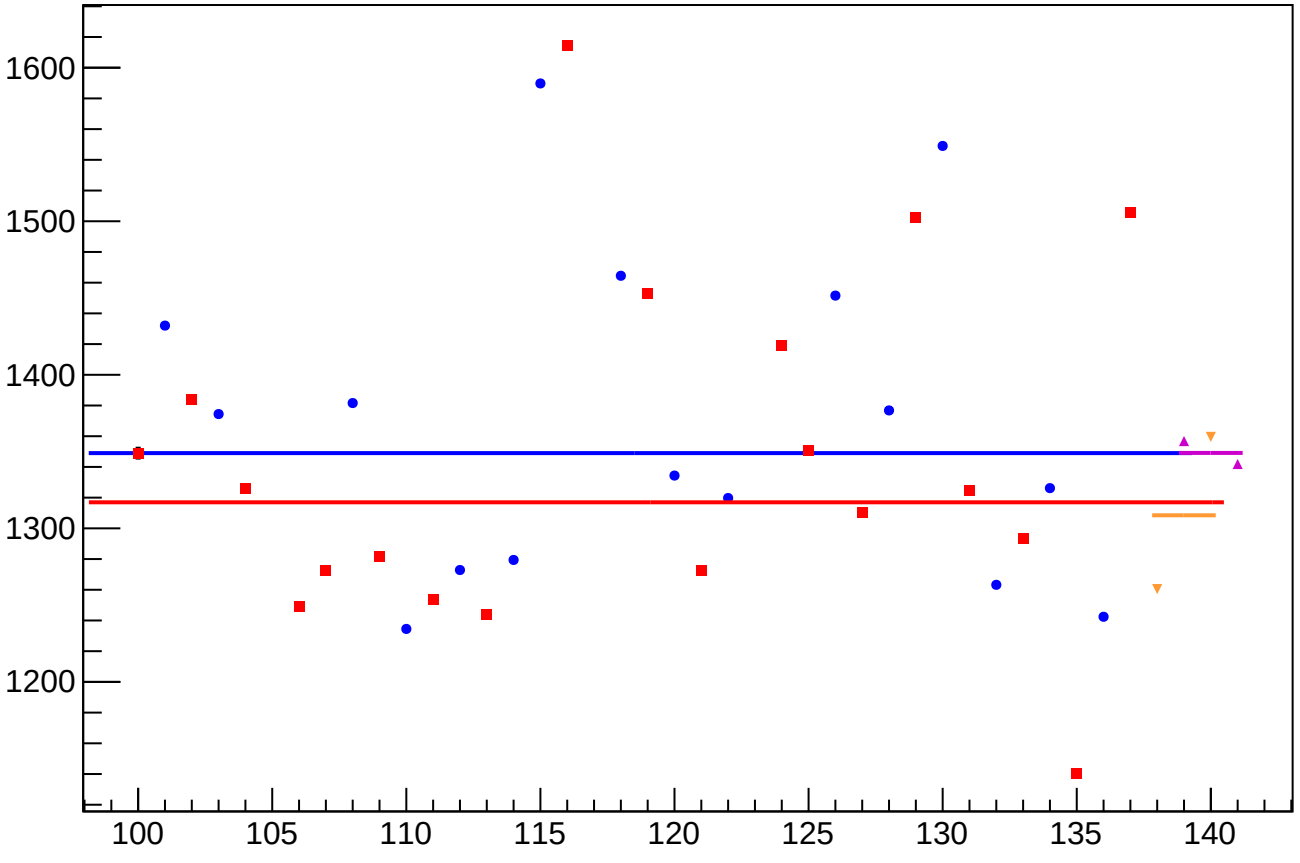
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 11.352+/-0.453 χ^2/NDF:848.4/17

Out: 6.134+/-0.438 χ^2/NDF:533.3/20

All: 8.655+/-0.315 χ^2/NDF: 1450.4/38

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1308.488+/-0.730 χ^2/NDF:4602.5/1

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1349.121+/-0.726 χ^2/NDF:105.7/1

Left: 1328.931+/-0.515 χ^2/NDF: 6266.1/3

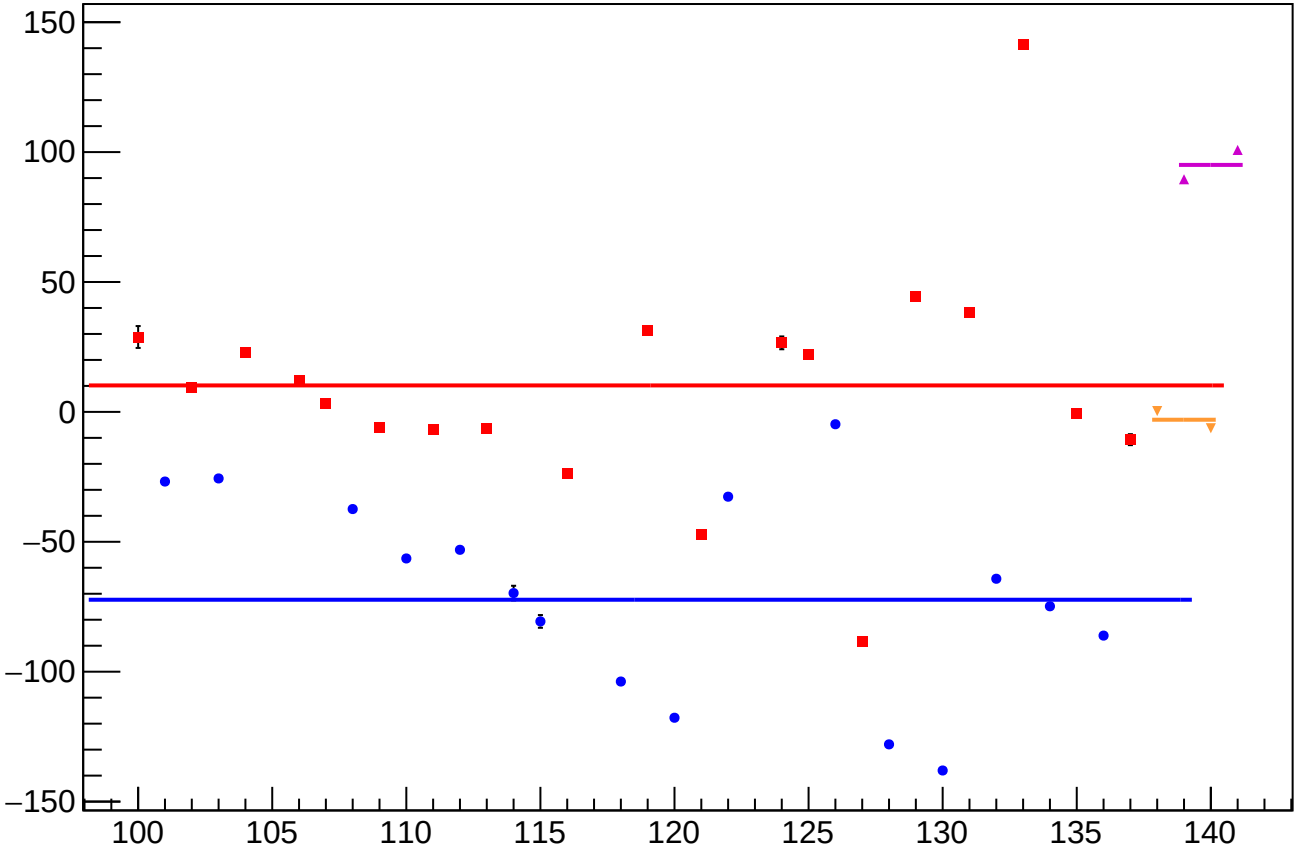
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1349.024+/-0.320 χ^2/NDF:68489.4/17

Out: 1315.439+/-0.309 χ^2/NDF:91586.7/20

All: 1331.662+/-0.223 χ^2/NDF: 165765.4/38

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -3.015+/-0.715 χ^2/NDF:21.4/1

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 95.066+/-0.694 χ^2/NDF:66.1/1

Left: 47.477+/-0.498 χ^2/NDF: 9787.0/3

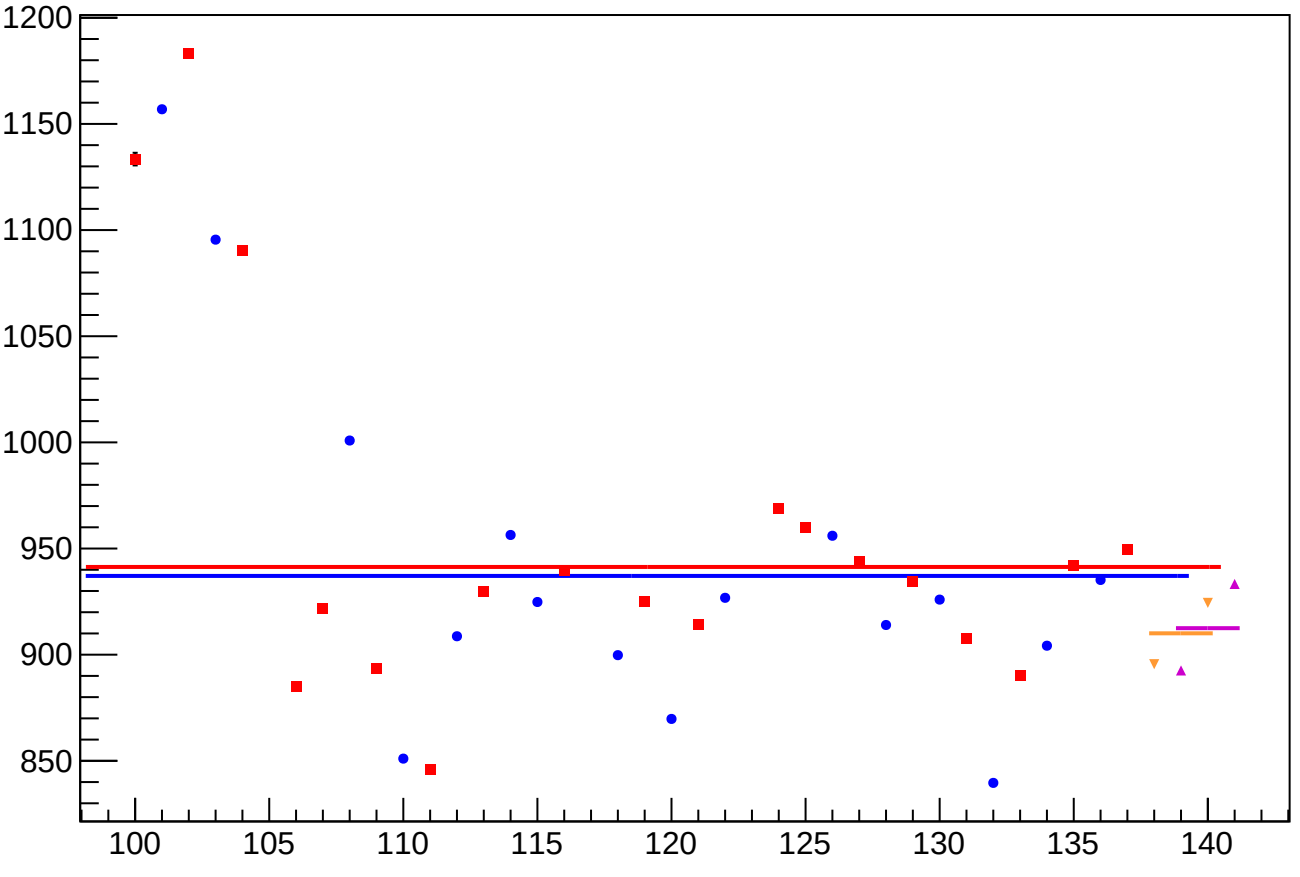
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: -38.427+/-0.312 χ^2/NDF:58649.7/17

Out: 7.698+/-0.310 χ^2/NDF:19344.3/20

All: -15.235+/-0.220 χ^2/NDF: 88976.9/38

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 910.061+/-0.505 χ^2/NDF:817.1/1

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 912.489+/-0.491 χ^2/NDF:1723.4/1

Left: 911.311+/-0.352 χ^2/NDF: 2552.4/3

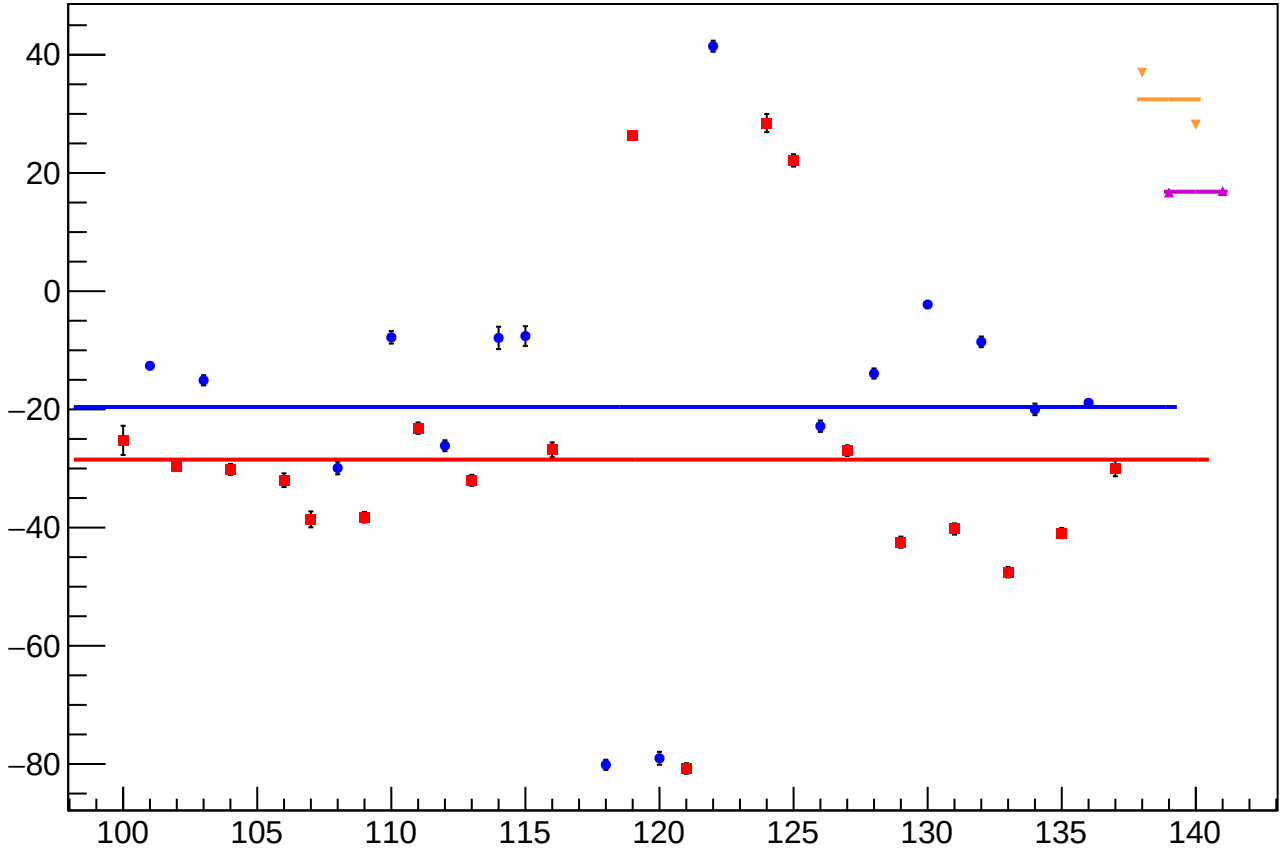
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 932.116+/-0.221 χ^2/NDF:108391.3/17

Out: 935.426+/-0.219 χ^2/NDF:104954.5/20

All: 933.780+/-0.156 χ^2/NDF: 213458.8/38

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 32.456+/-0.501 χ^2/NDF:76.4/1

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 16.832+/-0.494 χ^2/NDF:0.1/1

Left: 24.531+/-0.352 χ^2/NDF: 568.9/3

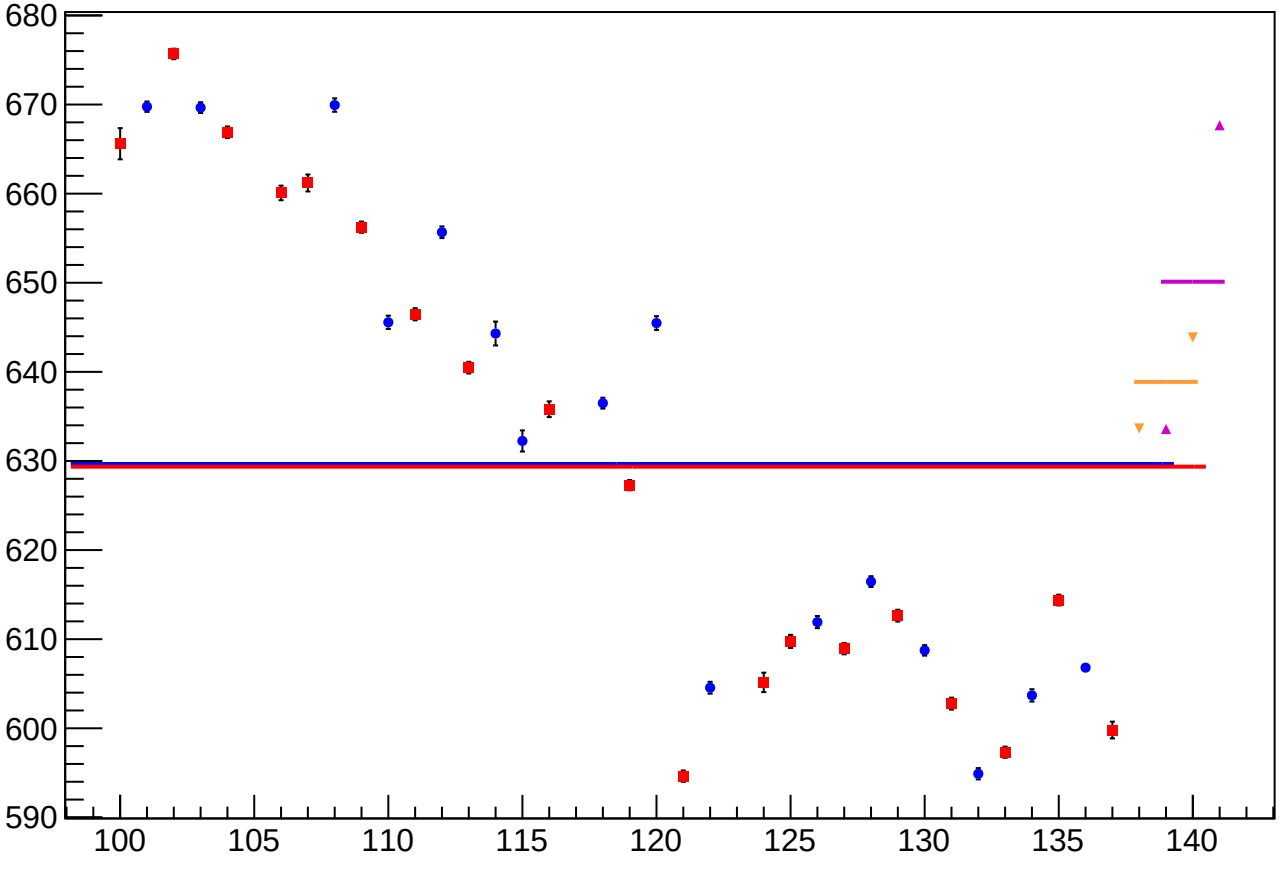
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -12.923+/-0.212 χ^2/NDF:17607.8/17

Out: -17.927+/-0.209 χ^2/NDF:25260.4/20

All: -15.457+/-0.149 χ^2/NDF: 43151.5/38

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 638.876+/-0.355 χ^2/NDF:207.6/1

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 650.116+/-0.349 χ^2/NDF:2375.4/1

Left: 644.578+/-0.249 χ^2/NDF: 3092.8/3

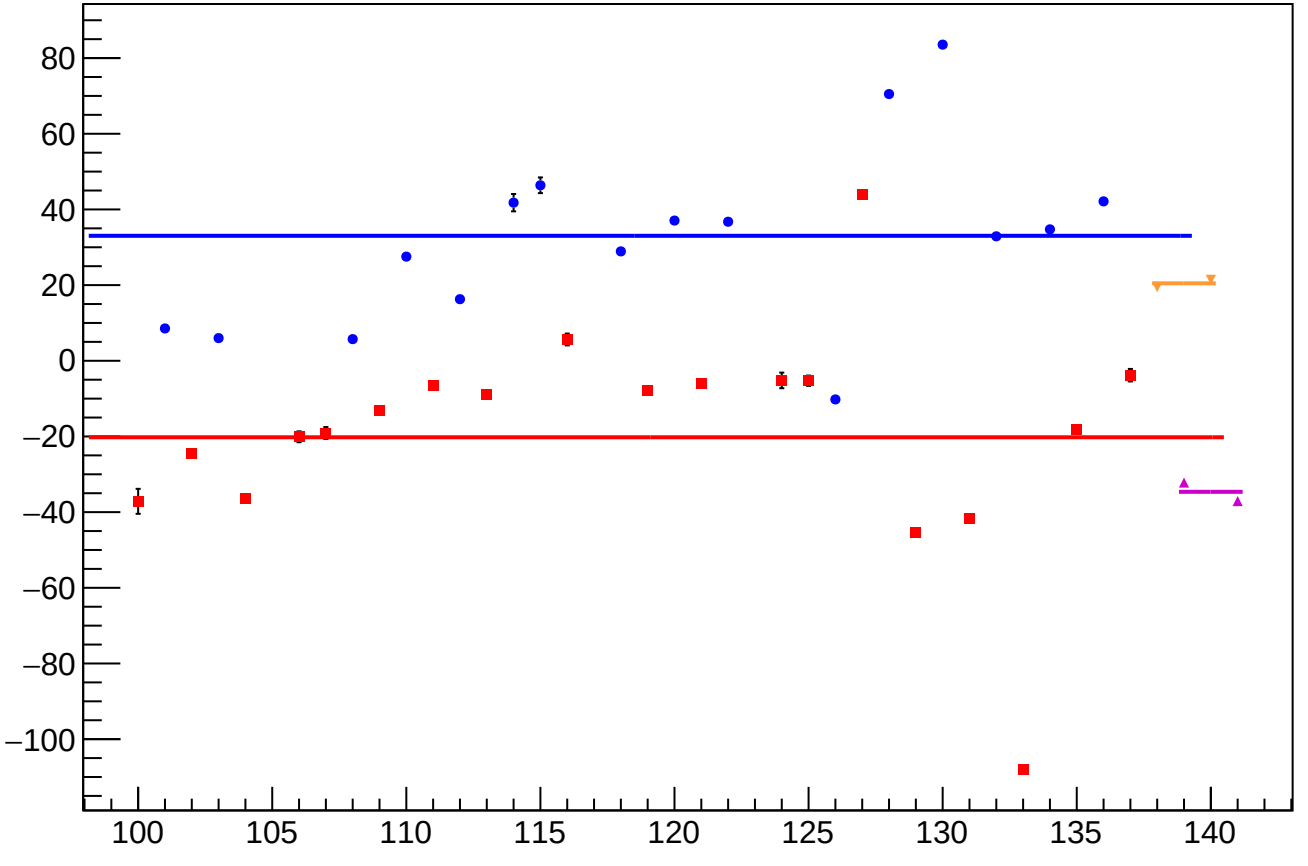
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 633.407+/-0.150 χ^2/NDF:30489.4/17

Out: 631.011+/-0.148 χ^2/NDF:27594.1/20

All: 632.194+/-0.105 χ^2/NDF: 58213.5/38

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 20.470+/-0.760 χ^2/NDF:1.6/1

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -34.629+/-0.737 χ^2/NDF:11.0/1

Left: -7.912+/-0.529 χ^2/NDF: 2719.2/3

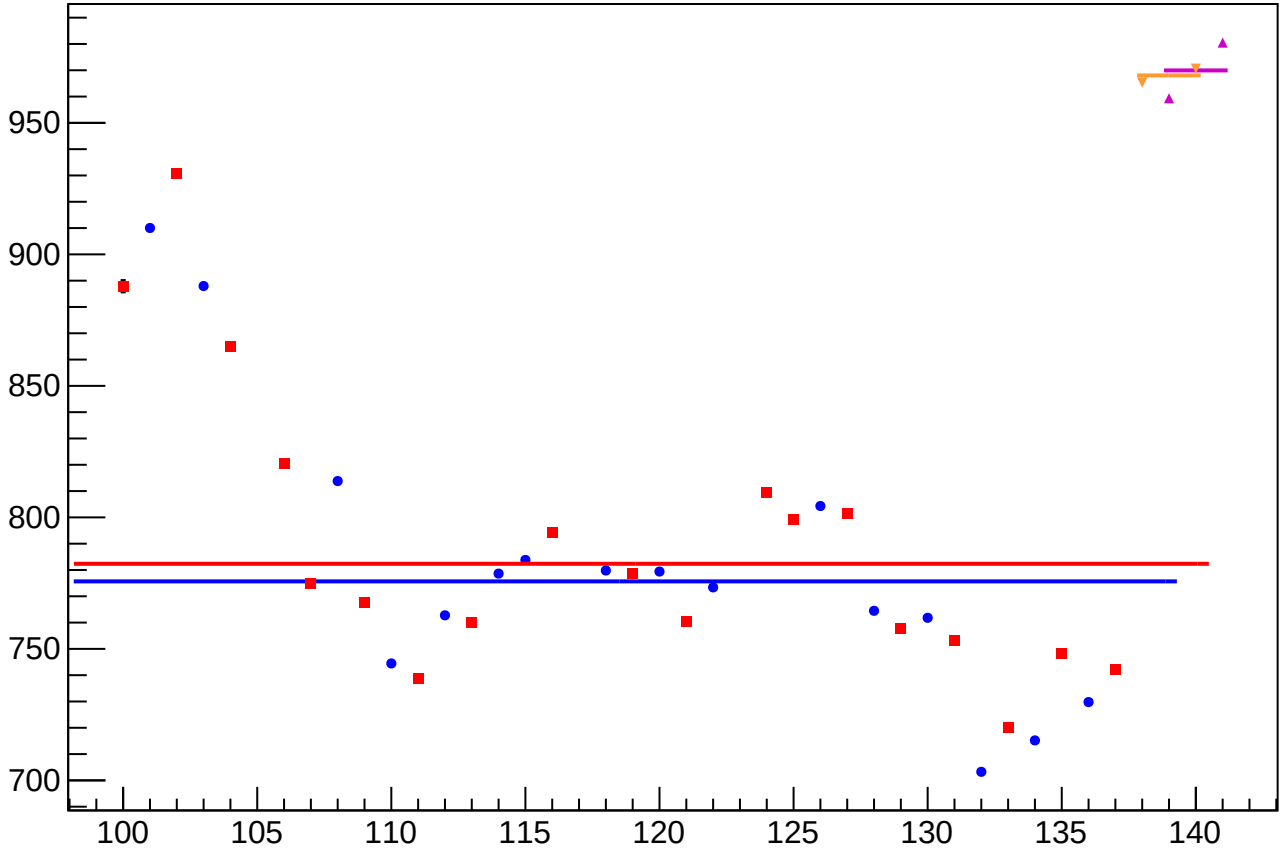
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 24.031+/-0.269 χ^2/NDF:14008.6/17

Out: -15.171+/-0.268 χ^2/NDF:14381.0/20

All: 4.331+/-0.190 χ^2/NDF: 39062.1/38

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 968.037+/-0.537 χ^2/NDF:24.8/1

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 969.942+/-0.521 χ^2/NDF:411.2/1

Left: 969.018+/-0.374 χ^2/NDF: 442.4/3

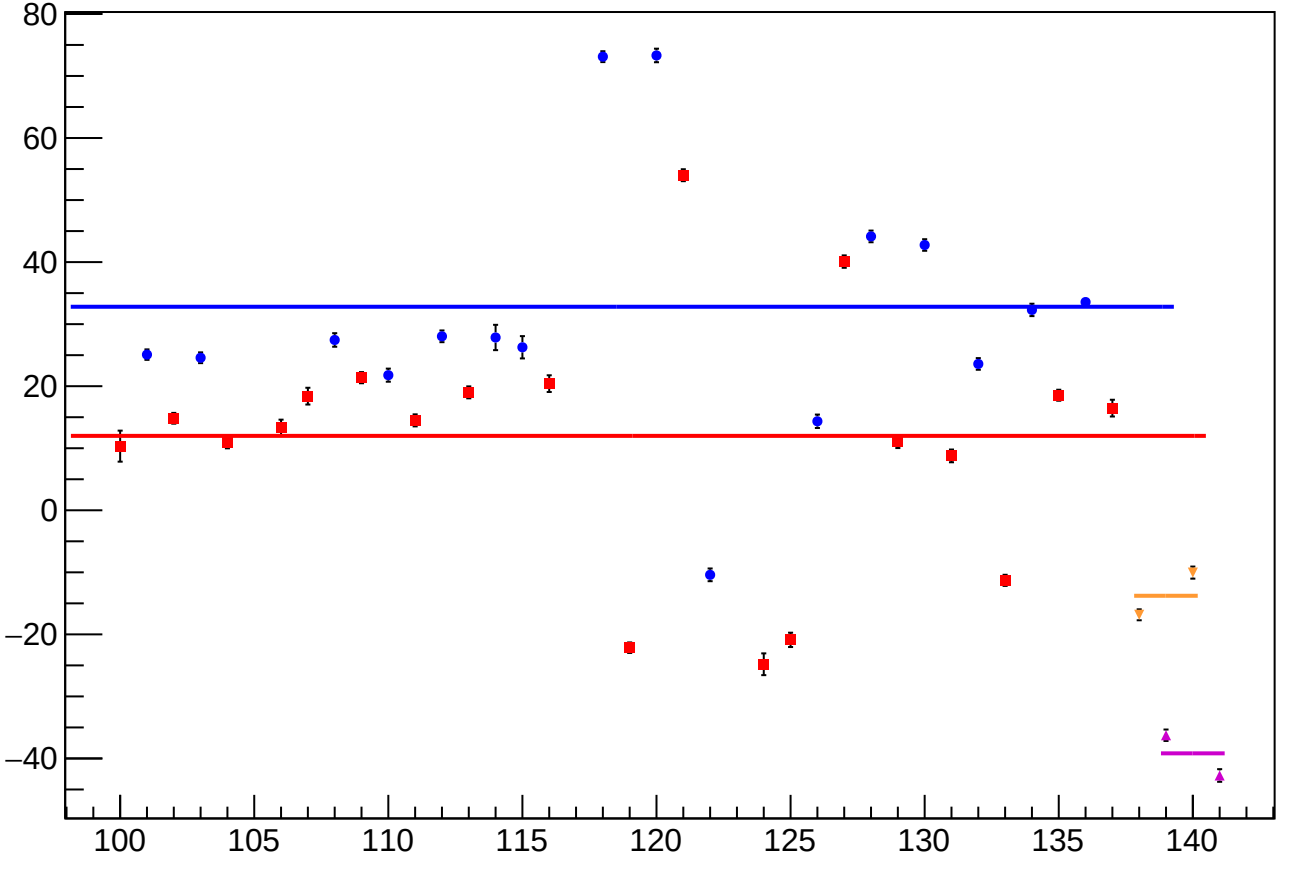
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 801.512+/-0.190 χ^2/NDF:195396.5/17

Out: 805.378+/-0.189 χ^2/NDF:169135.6/20

All: 803.455+/-0.134 χ^2/NDF: 364739.8/38

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -13.779+/-0.655 χ^2/NDF:26.7/1

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -39.176+/-0.683 χ^2/NDF:22.3/1

Left: -25.933+/-0.473 χ^2/NDF: 769.2/3

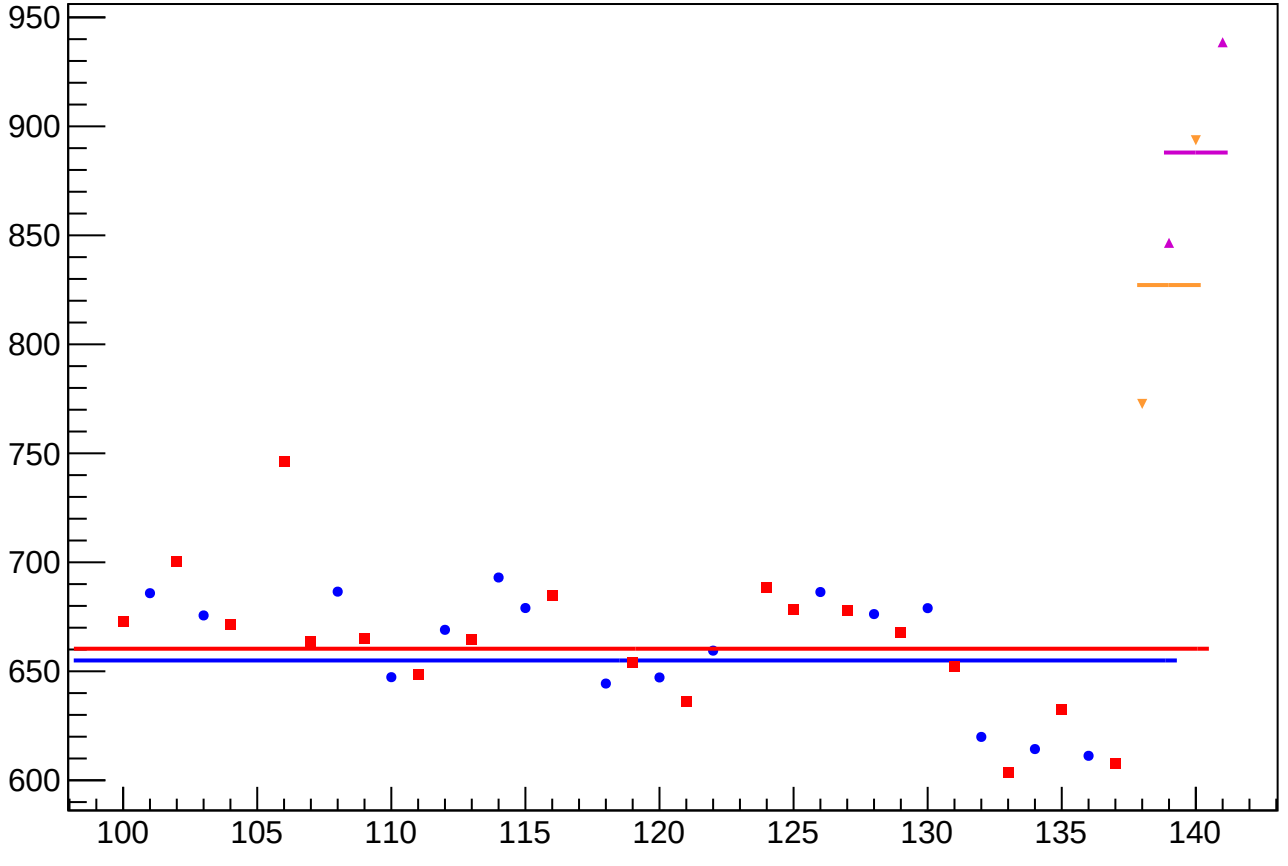
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 24.693+/-0.229 χ^2/NDF:16126.2/17

Out: 8.915+/-0.226 χ^2/NDF:7951.0/20

All: 16.696+/-0.161 χ^2/NDF: 26475.1/38

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 827.197+/-0.463 χ^2/NDF:16903.8/1

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 887.987+/-0.483 χ^2/NDF:8975.2/1

Left: 856.290+/-0.334 χ^2/NDF: 34131.3/3

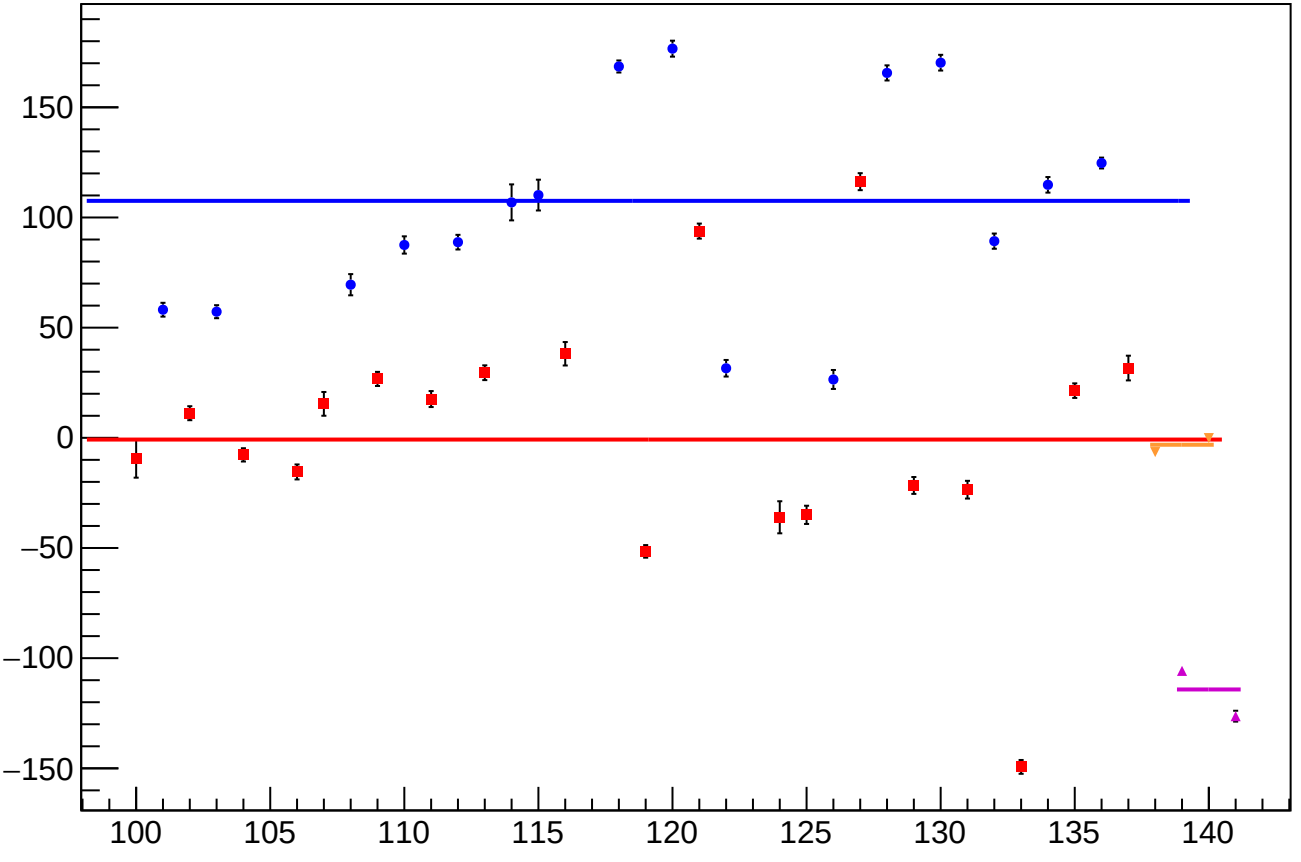
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 681.226+/-0.162 χ^2/NDF:242062.1/17

Out: 680.284+/-0.160 χ^2/NDF:161693.7/20

All: 680.748+/-0.114 χ^2/NDF: 403772.9/38

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -3.142+/-1.560 χ^2/NDF:4.1/1

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -114.207+/-1.580 χ^2/NDF:41.0/1

Left: -57.943+/-1.110 χ^2/NDF: 2547.0/3

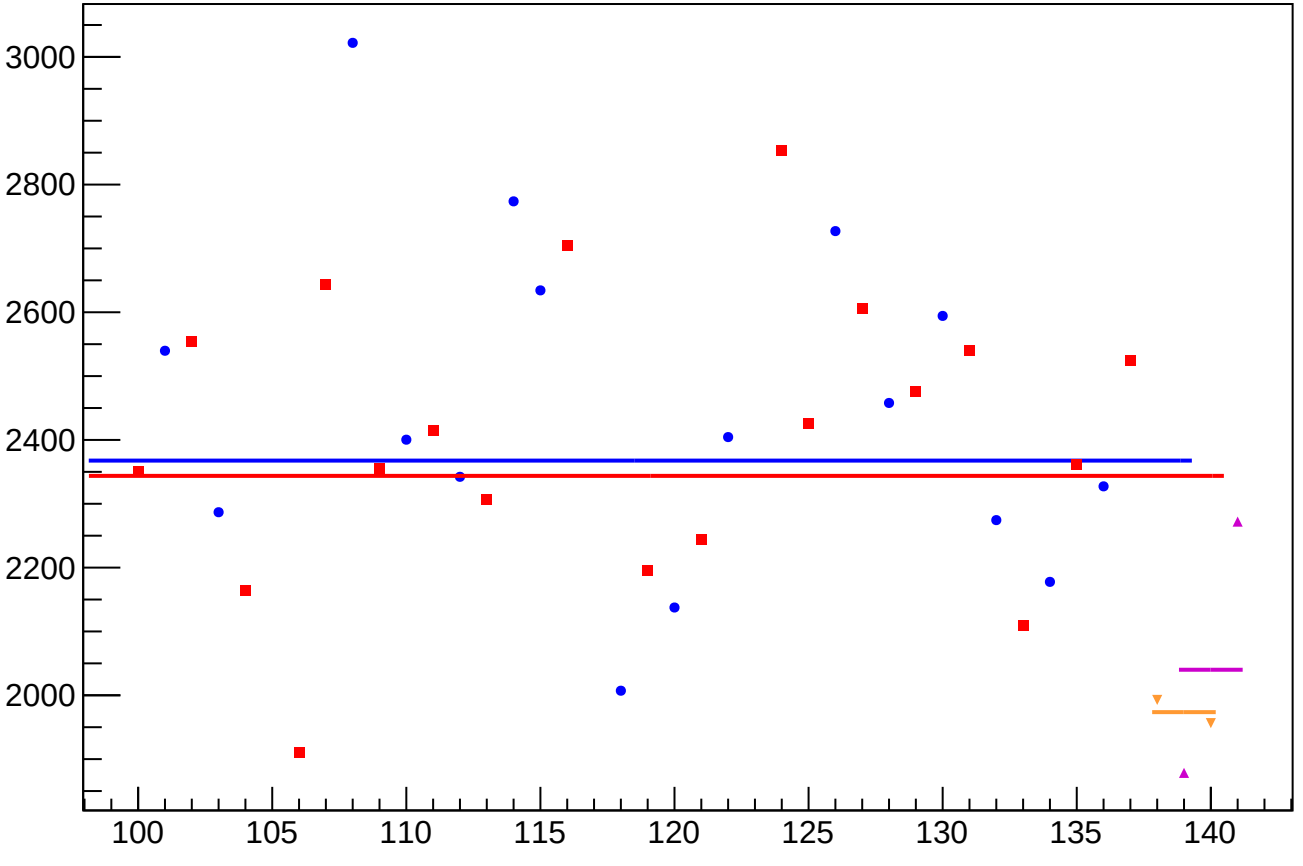
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: 54.580+/-0.772 χ^2/NDF:17982.2/17

Out: -1.337+/-0.754 χ^2/NDF:4769.8/20

All: 25.935+/-0.539 χ^2/NDF: 25436.9/38

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1973.605+/-1.103 χ^2/NDF:271.2/1

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 2040.008+/-1.118 χ^2/NDF:30017.8/1

Left: 2006.369+/-0.785 χ^2/NDF: 32077.6/3

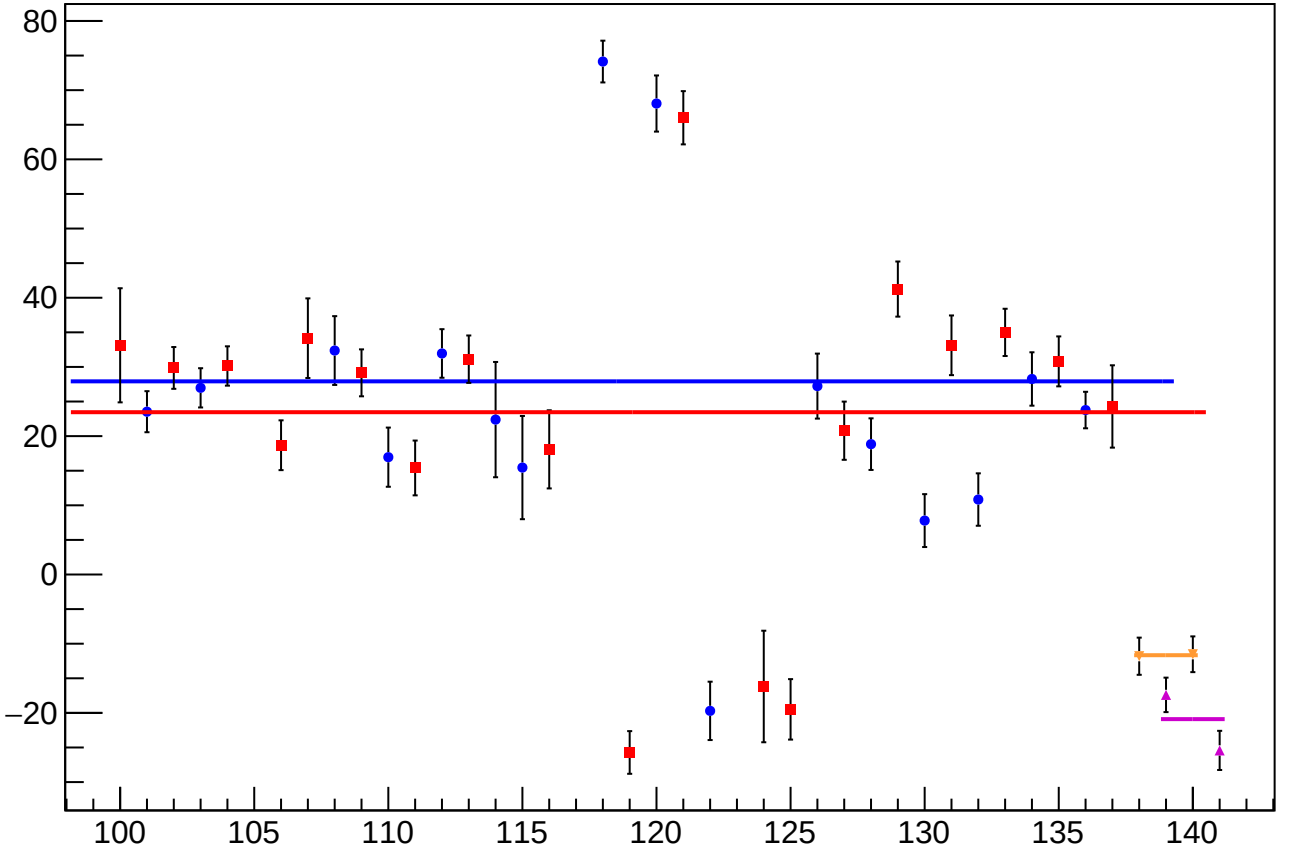
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2289.377+/-0.546 χ^2/NDF:222201.7/17

Out: 2257.293+/-0.533 χ^2/NDF:198861.6/20

All: 2272.941+/-0.381 χ^2/NDF: 422831.1/38

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.662+/-1.862 χ^2/NDF:0.0/1

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -20.900+/-1.869 χ^2/NDF:4.5/1

Left: -16.263+/-1.319 χ^2/NDF: 16.8/3

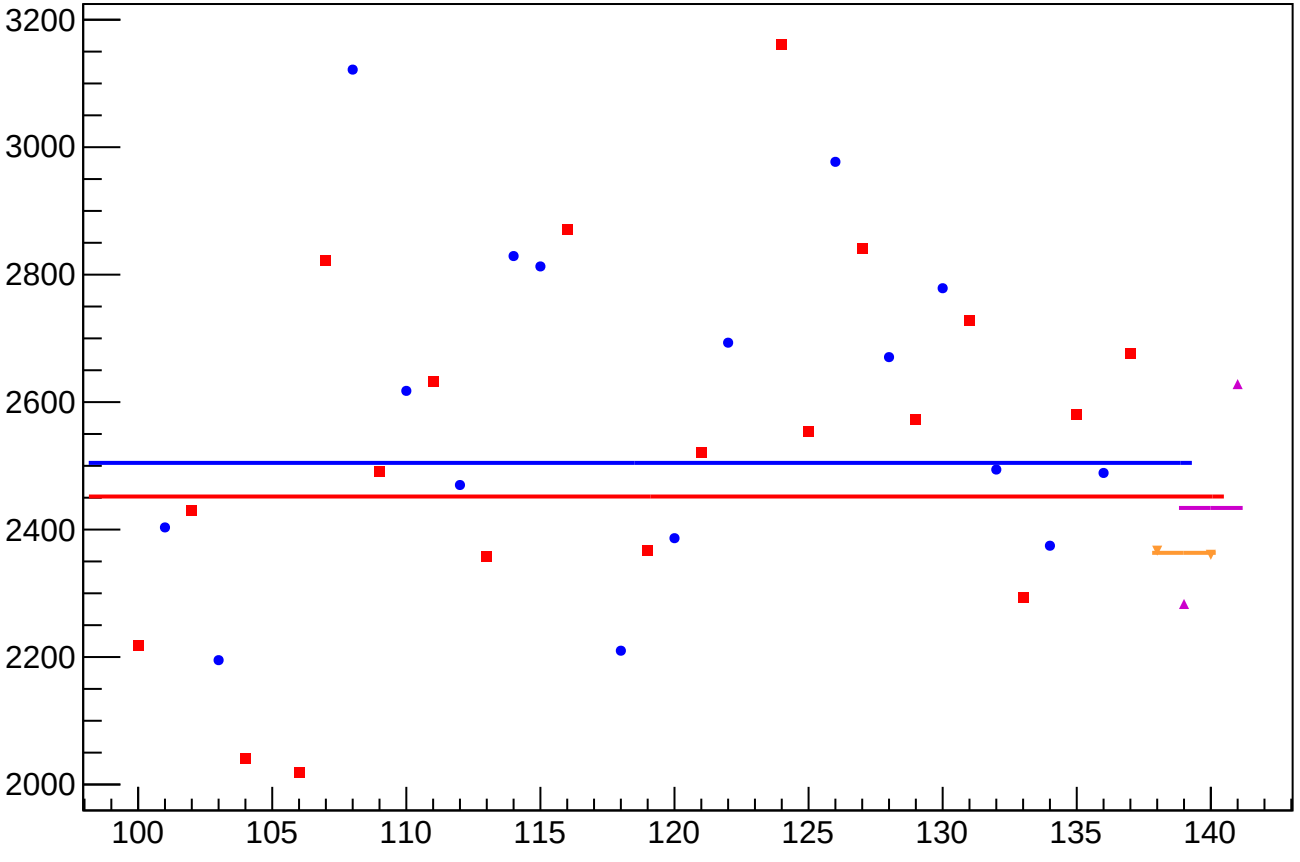
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 18.119+/-0.837 χ^2/NDF:1080.2/17

Out: 16.774+/-0.812 χ^2/NDF:856.0/20

All: 17.426+/-0.583 χ^2/NDF: 1937.5/38

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2363.513+/-1.317 χ^2/NDF:6.0/1

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2433.937+/-1.322 χ^2/NDF:16755.0/1

Left: 2398.583+/-0.933 χ^2/NDF: 18185.8/3

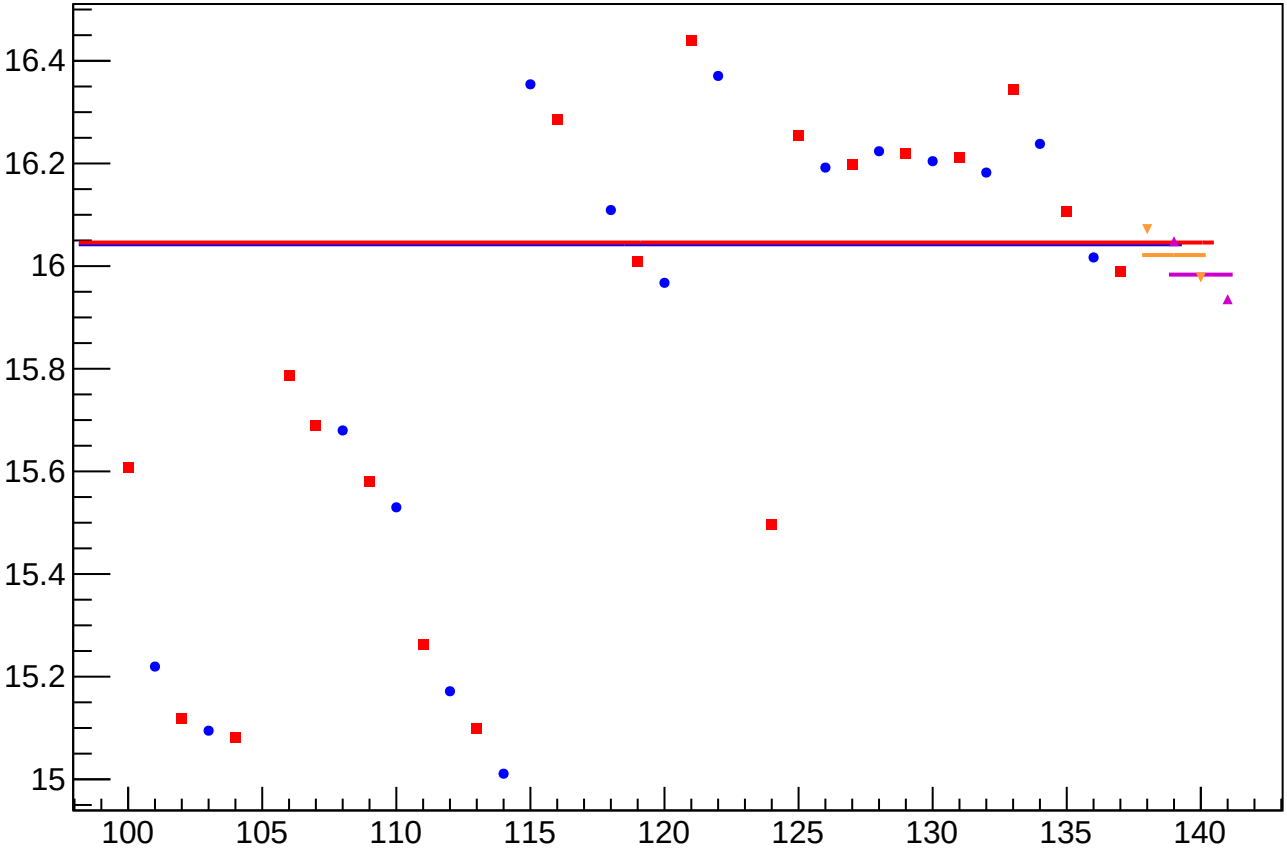
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2490.461+/-0.592 χ^2/NDF:145641.5/17

Out: 2435.064+/-0.574 χ^2/NDF:156890.7/20

All: 2461.914+/-0.412 χ^2/NDF: 307041.6/38

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 16.022+/-0.000 χ^2/NDF:34195565.9/1

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.983+/-0.000 χ^2/NDF:48962310.0/1

Left: 16.002+/-0.000 χ^2/NDF: 94498067.1/3

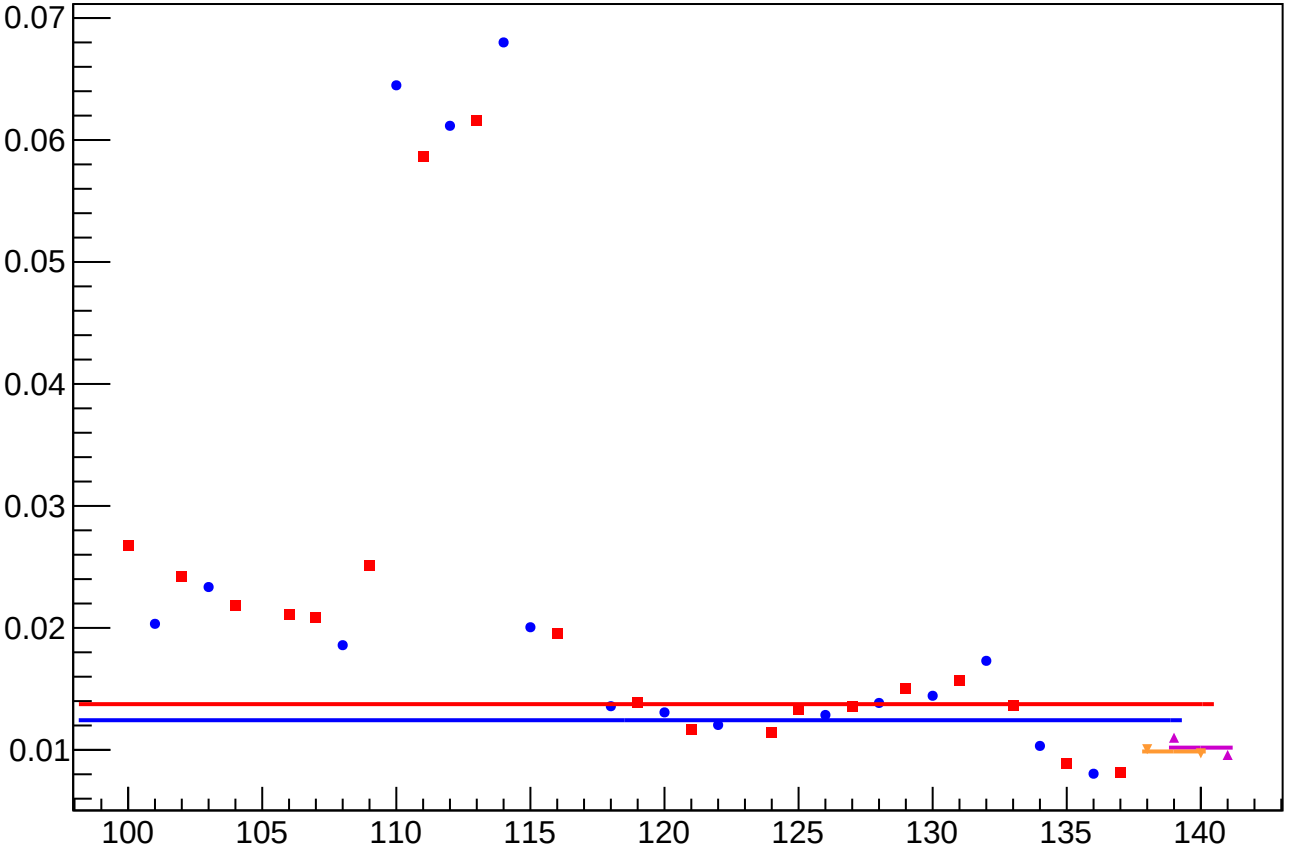
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 16.024+/-0.000 χ^2/NDF:2927626476.9/17

Out: 16.038+/-0.000 χ^2/NDF:3592460607.9/20

All: 16.031+/-0.000 χ^2/NDF: 6524279873.4/3

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:897.5/1

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.010+/-0.000 χ^2/NDF:15324.0/1

Left: 0.010+/-0.000 χ^2/NDF: 17753.2/3

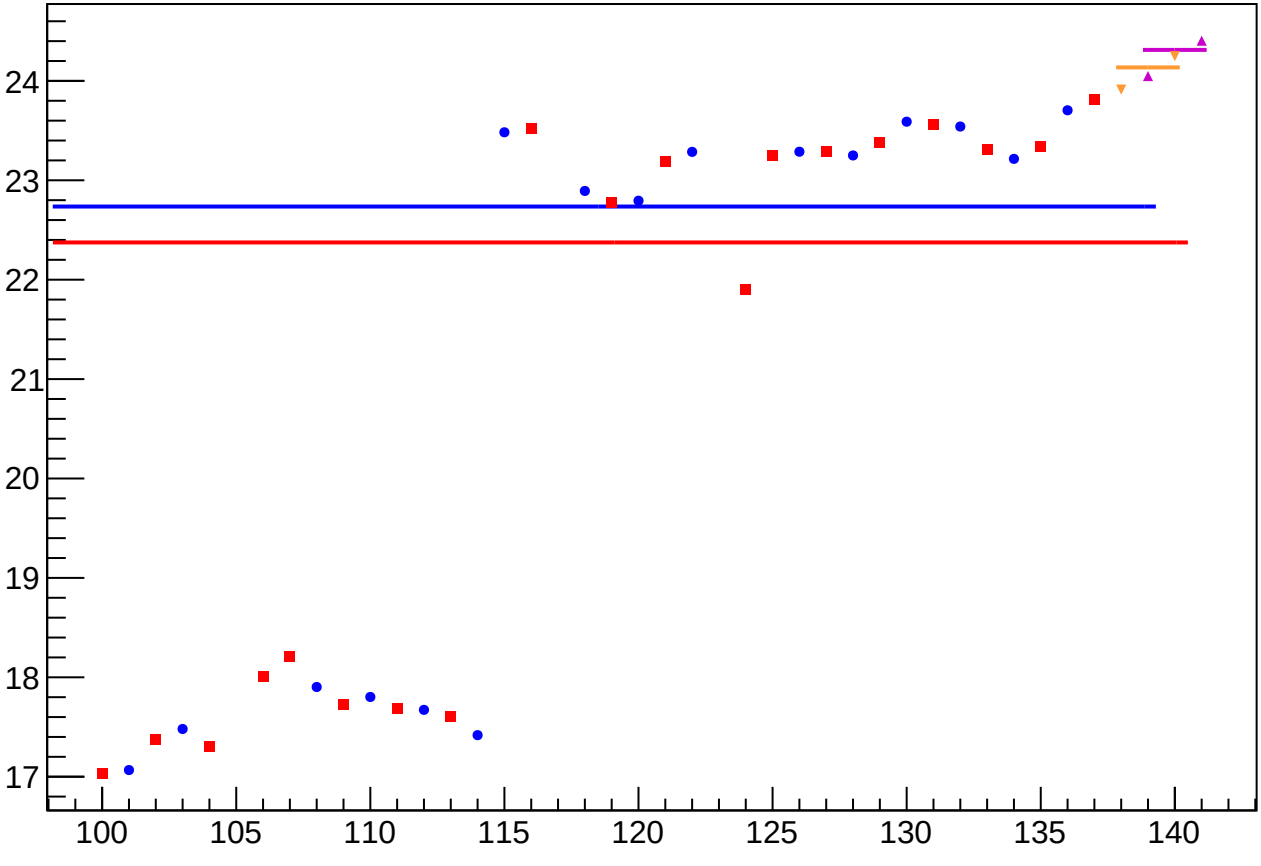
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2442331.9/17

Out: 0.012+/-0.000 χ^2/NDF:2539729.0/20

All: 0.012+/-0.000 χ^2/NDF: 5004748.3/38

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.136+/-0.000 χ^2/NDF:2359460.5/1

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 24.312+/-0.000 χ^2/NDF:2161256.9/1

Left: 24.221+/-0.000 χ^2/NDF: 5933251.3/3

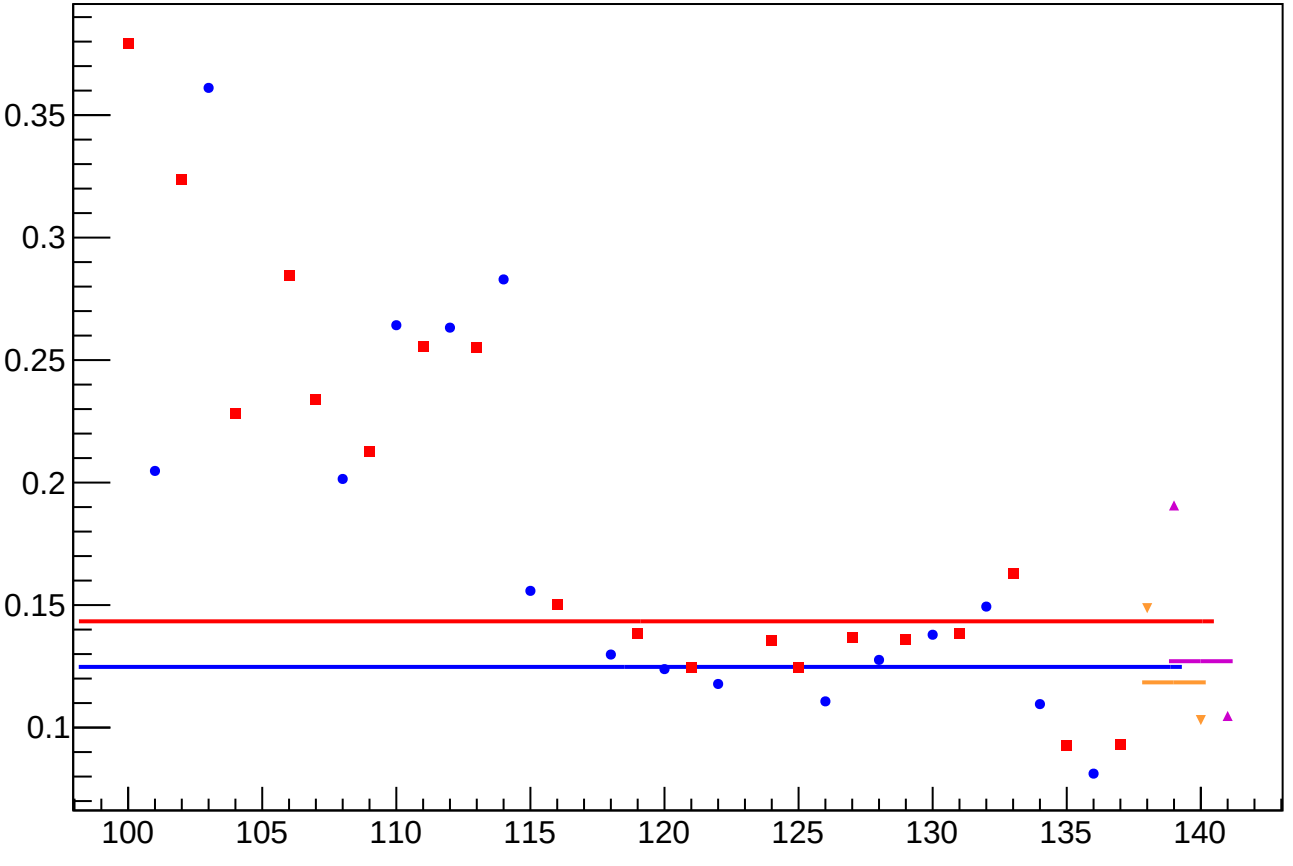
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 23.059+/-0.000 χ^2/NDF:1397782940.6/17

Out: 22.815+/-0.000 χ^2/NDF:1434716840.7/20

All: 22.946+/-0.000 χ^2/NDF: 2844425260.7/3

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.118+/-0.000 χ^2/NDF:86854.8/1

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.127+/-0.000 χ^2/NDF:251752.3/1

Left: 0.123+/-0.000 χ^2/NDF: 345384.6/3

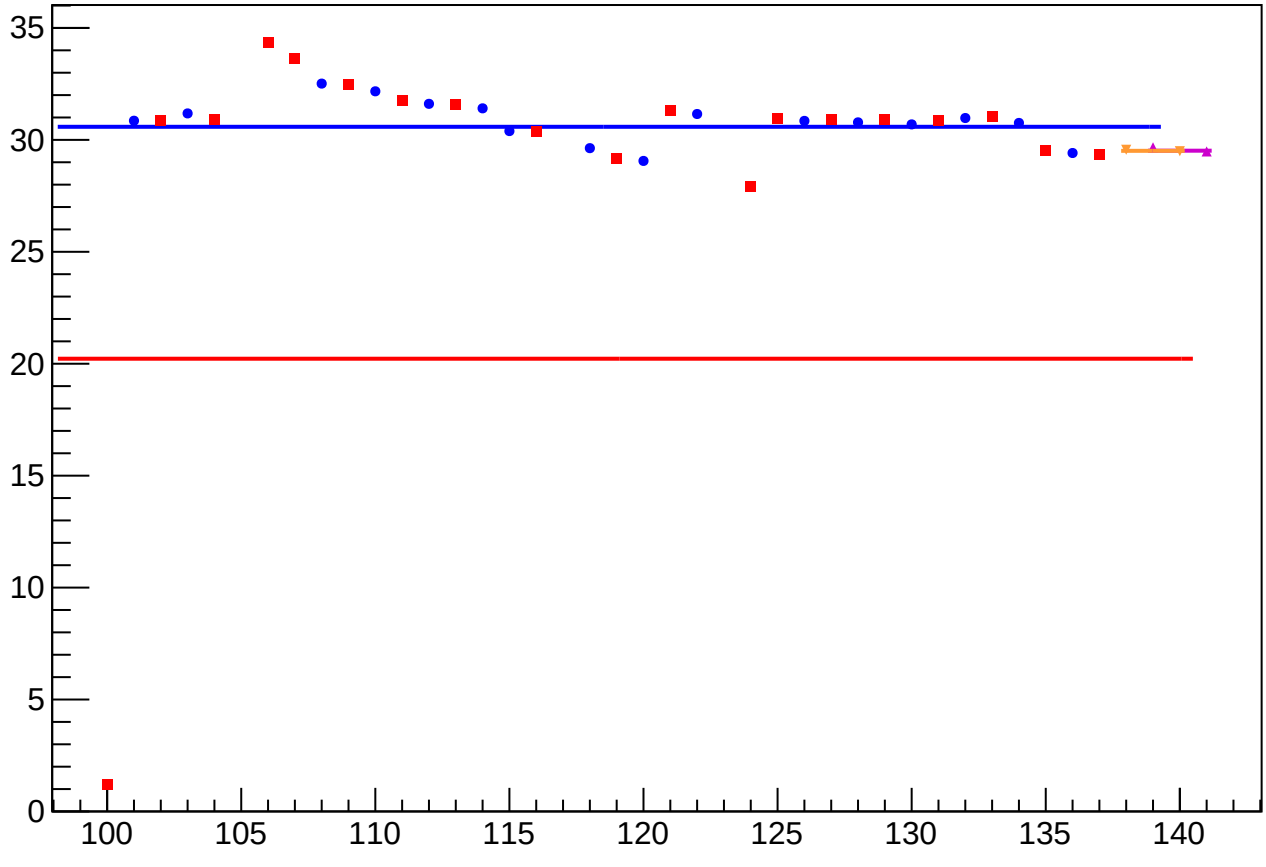
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.125+/-0.000 χ^2/NDF:2002332.5/17

Out: 0.137+/-0.000 χ^2/NDF:1743751.6/20

All: 0.131+/-0.000 χ^2/NDF: 3802747.4/38

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.511+/-0.000 χ^2/NDF:126898.8/1

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 29.517+/-0.000 χ^2/NDF:881061.0/1

Left: 29.514+/-0.000 χ^2/NDF: 1011076.6/3

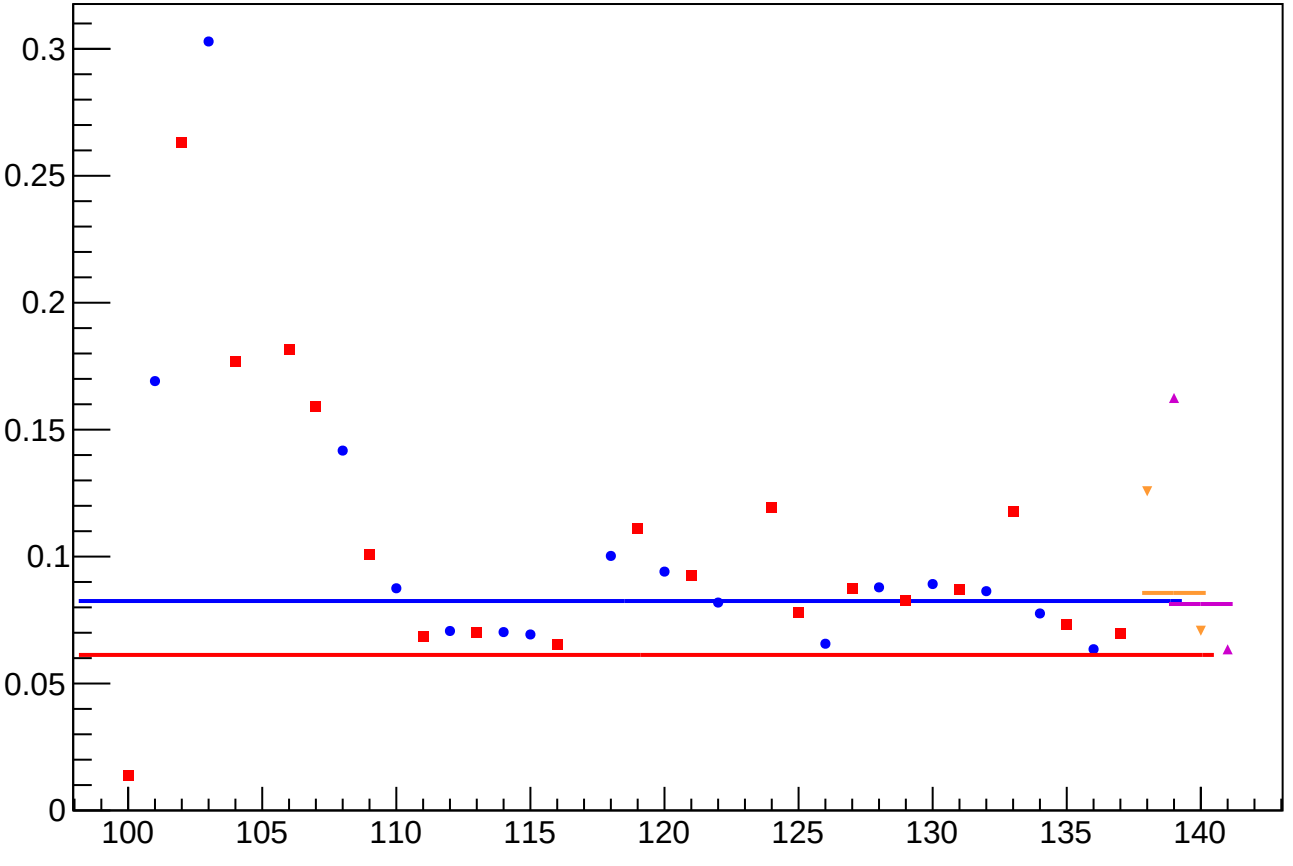
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.388+/-0.000 χ^2/NDF:815345168.3/17

Out: 21.361+/-0.000 χ^2/NDF:232750267311.5/20

All: 25.273+/-0.000 χ^2/NDF: 277354653917.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.086+/-0.000 χ^2/NDF:181015.6/1

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.081+/-0.000 χ^2/NDF:505053.7/1

Left: 0.083+/-0.000 χ^2/NDF: 689158.3/3

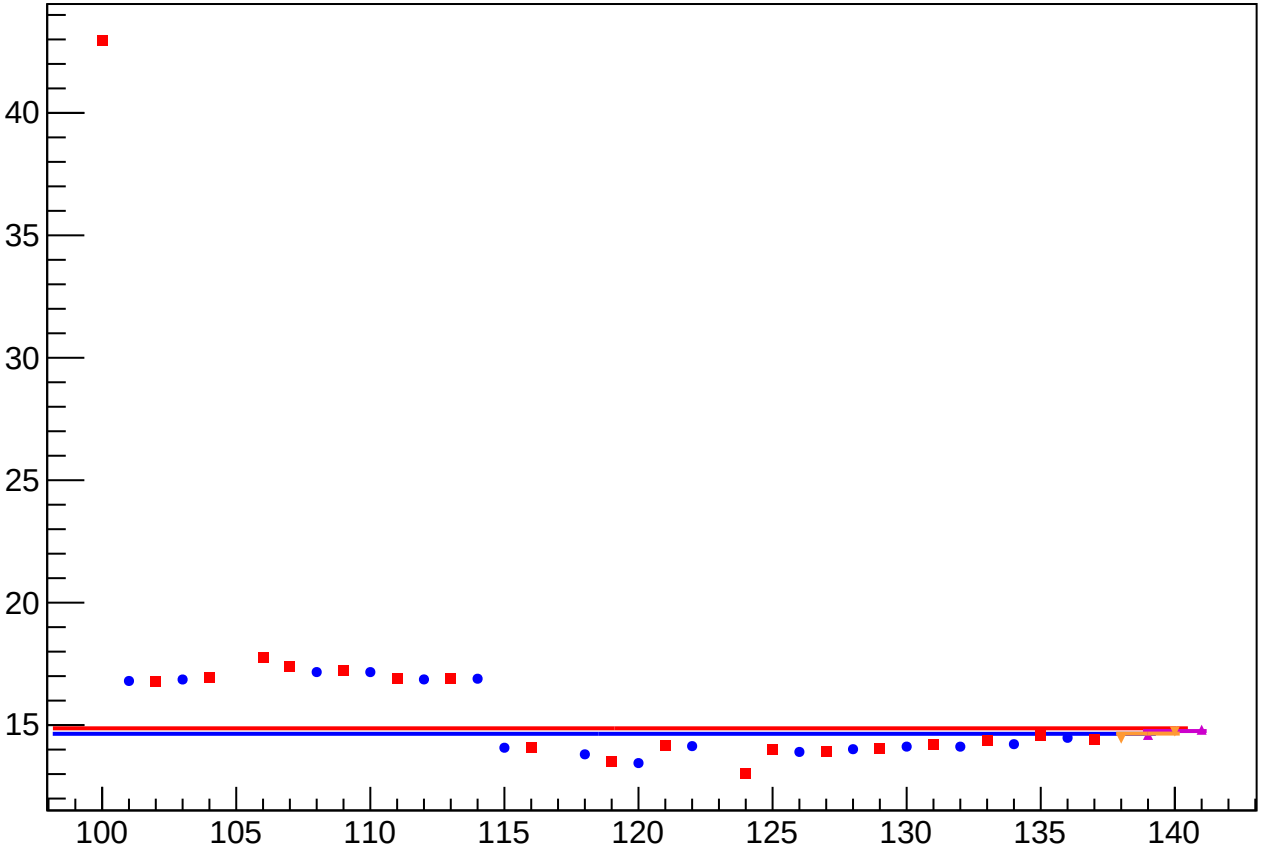
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.082+/-0.000 χ^2/NDF:1766938.2/17

Out: 0.064+/-0.000 χ^2/NDF:4354229.0/20

All: 0.072+/-0.000 χ^2/NDF: 6470456.8/38

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 14.654+/-0.000 χ^2/NDF:3075729.7/1

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 14.757+/-0.000 χ^2/NDF:1795161.5/1

Left: 14.711+/-0.000 χ^2/NDF: 5889595.1/3

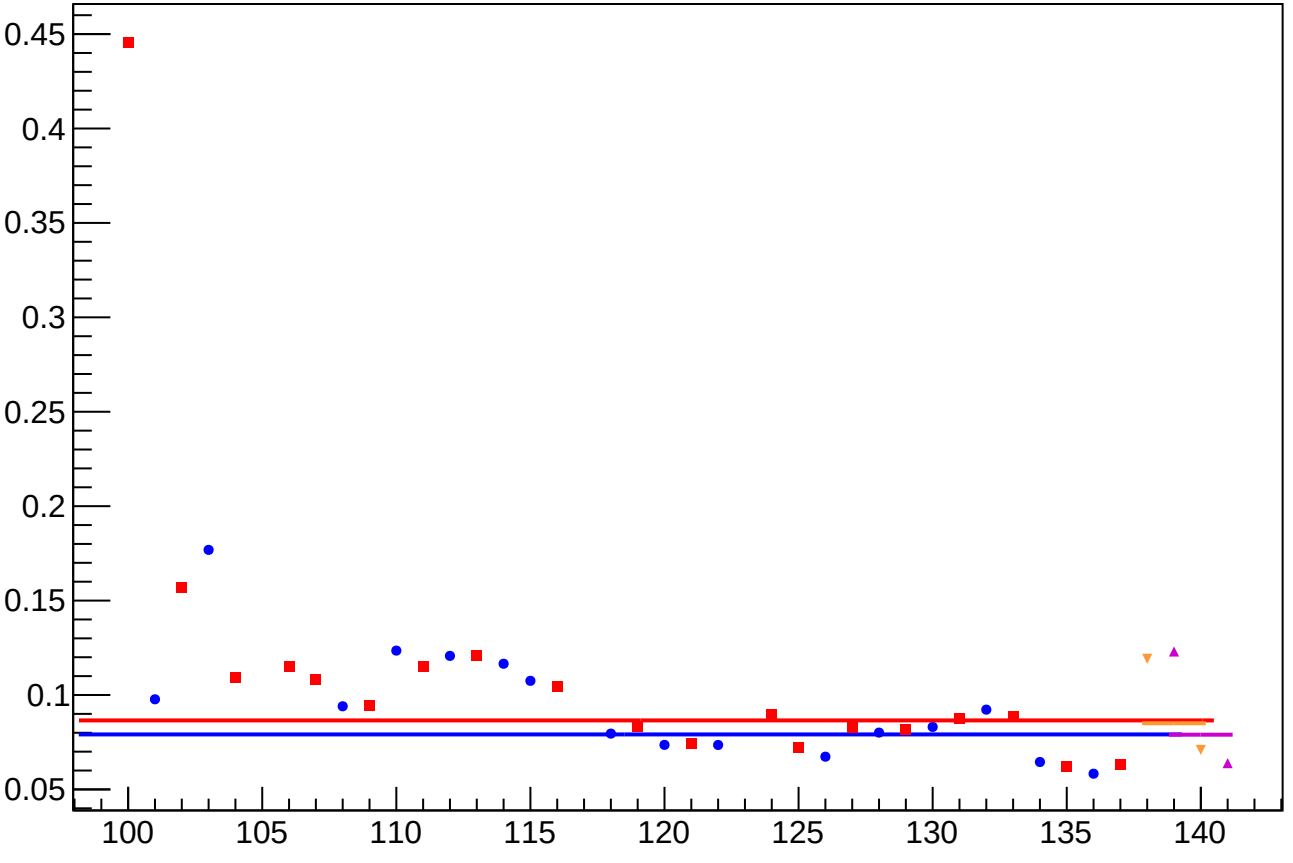
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 14.665+/-0.000 χ^2/NDF:1197904657.6/17

Out: 14.831+/-0.000 χ^2/NDF:1739673209.7/20

All: 14.742+/-0.000 χ^2/NDF: 2952226410.1/3

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.085+/-0.000 χ^2/NDF:165821.6/1

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.079+/-0.000 χ^2/NDF:281880.3/1

Left: 0.082+/-0.000 χ^2/NDF: 454629.3/3

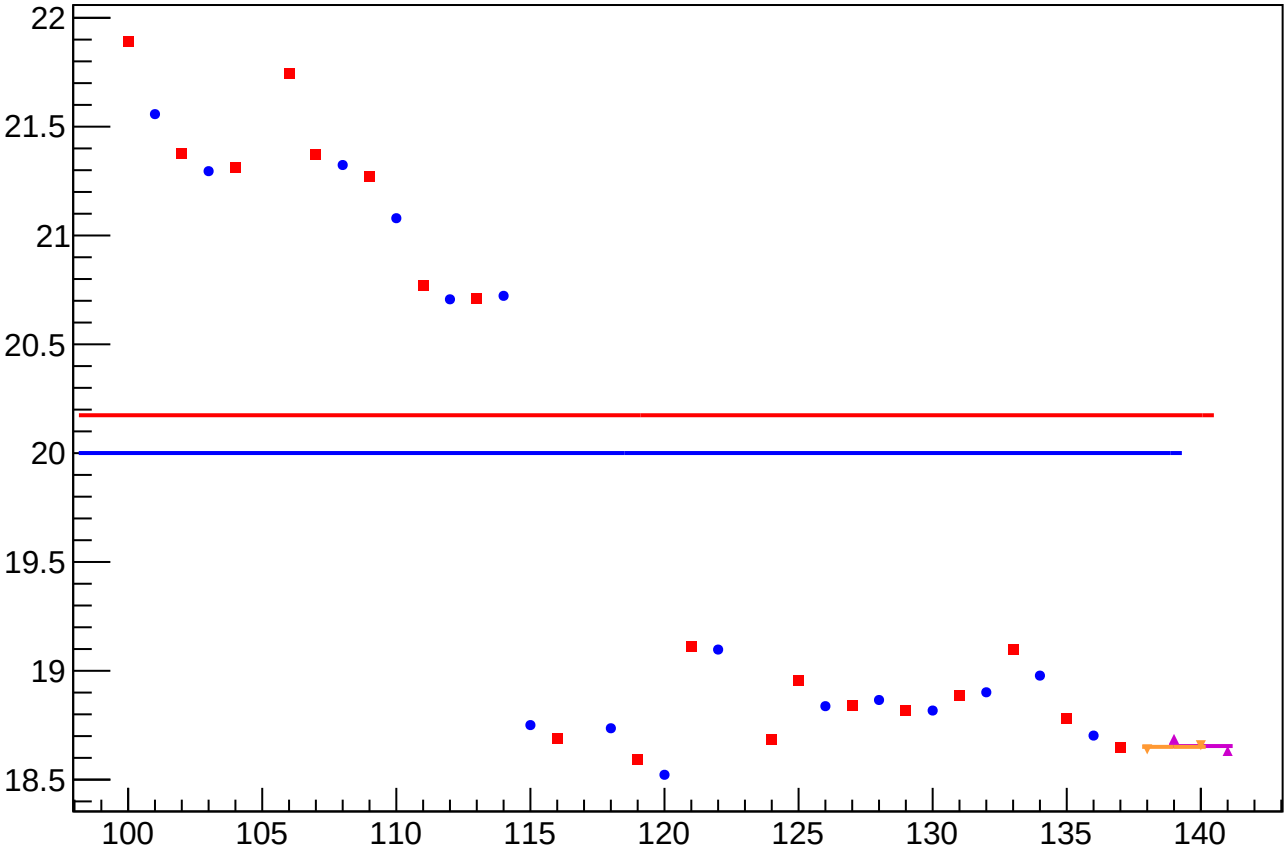
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.079+/-0.000 χ^2/NDF:1200085.6/17

Out: 0.086+/-0.000 χ^2/NDF:959826.7/20

All: 0.082+/-0.000 χ^2/NDF: 2214884.1/38

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.651+/-0.000 χ^2/NDF:102838.7/1

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.654+/-0.000 χ^2/NDF:1053320.6/1

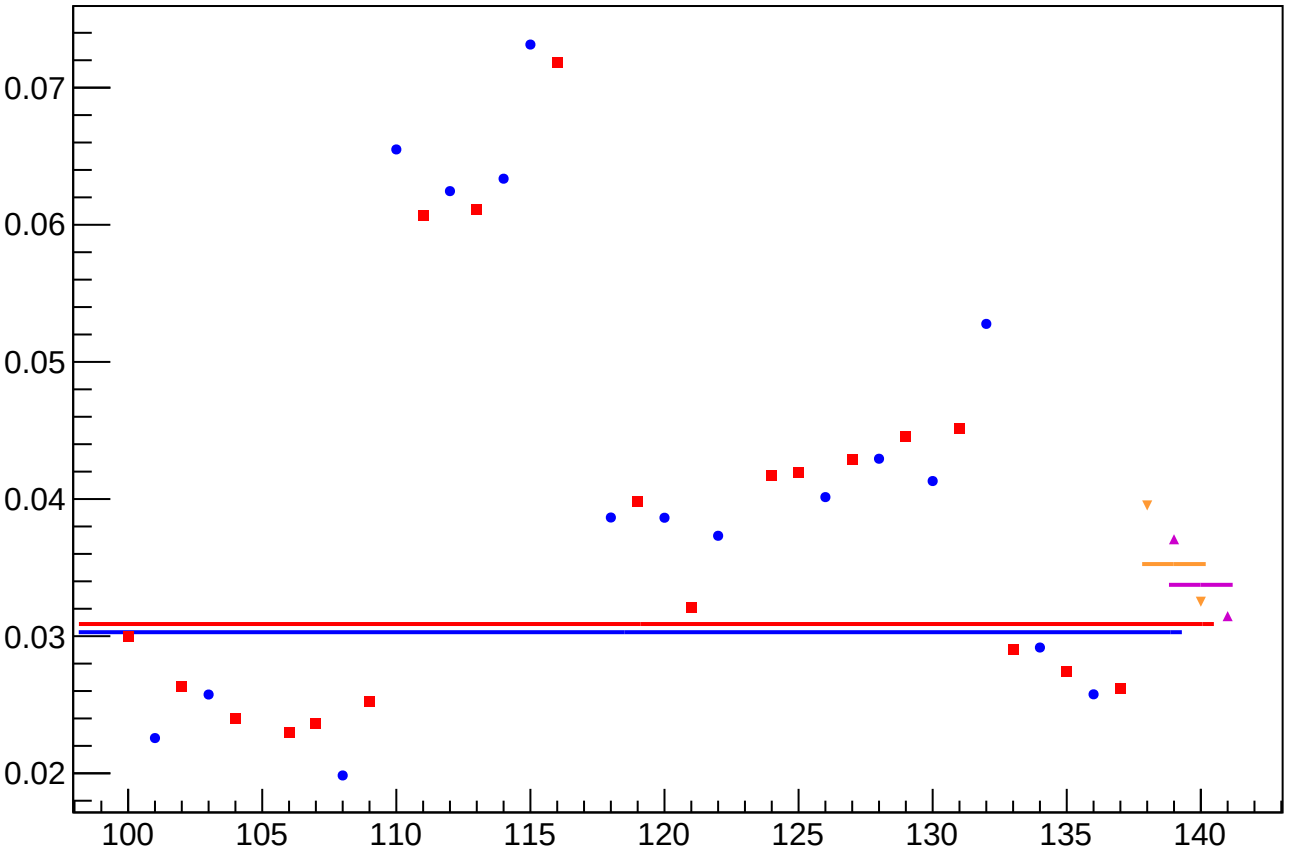
Left: 18.653+/-0.000 χ^2/NDF: 1165611.5/3

Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.758+/-0.000 χ^2/NDF:13002519196.2/17

Out: 19.936+/-0.000 χ^2/NDF:12790847300.0/20

All: 19.846+/-0.000 χ^2/NDF: 25917648883.2



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.035+/-0.000 χ^2/NDF:28349.2/1

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.034+/-0.000 χ^2/NDF:21697.1/1

Left: 0.034+/-0.000 χ^2/NDF: 53047.1/3

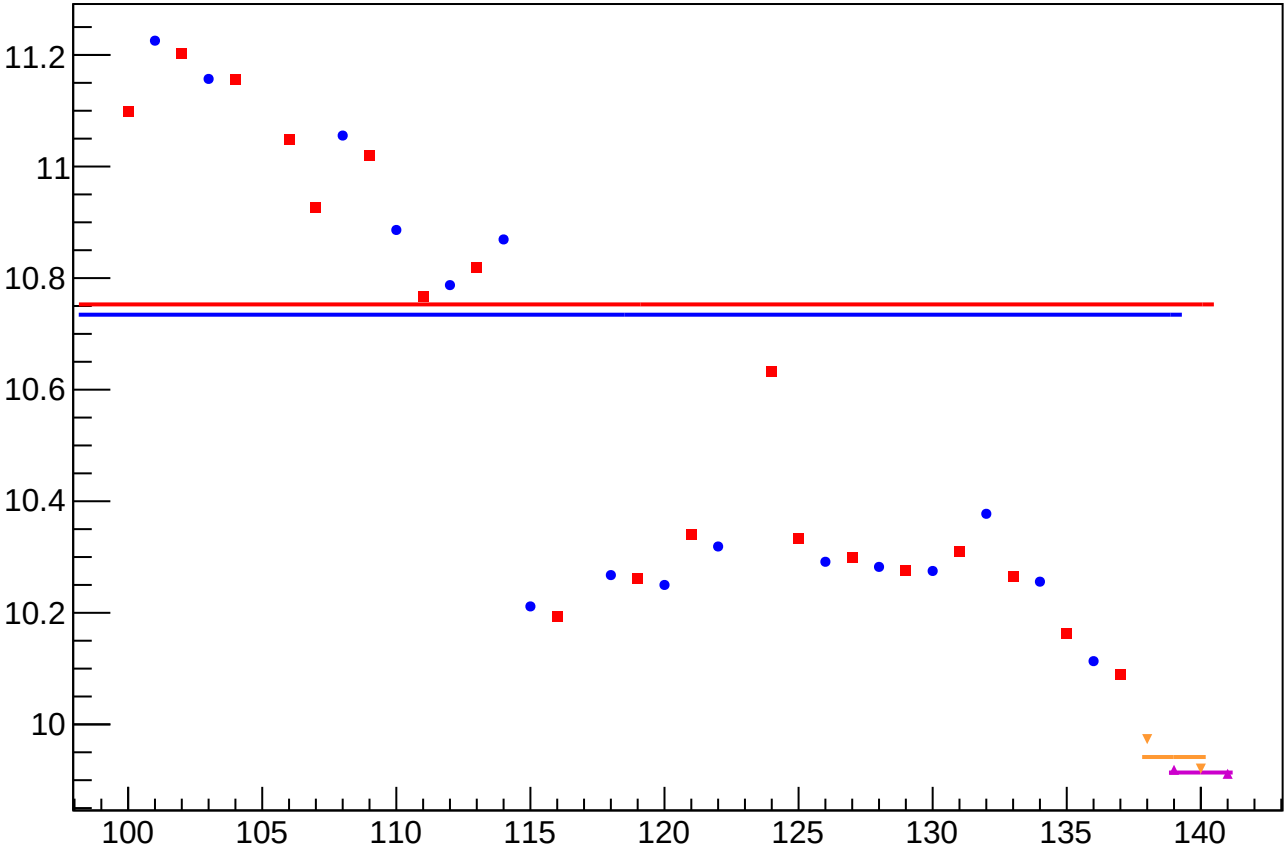
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1497031.7/17

Out: 0.032+/-0.000 χ^2/NDF:1272027.6/20

All: 0.031+/-0.000 χ^2/NDF: 2772436.5/38

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.942+/-0.000 χ^2/NDF:2478306.9/1

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.914+/-0.000 χ^2/NDF:39953.0/1

Left: 9.928+/-0.000 χ^2/NDF: 3928997.5/3

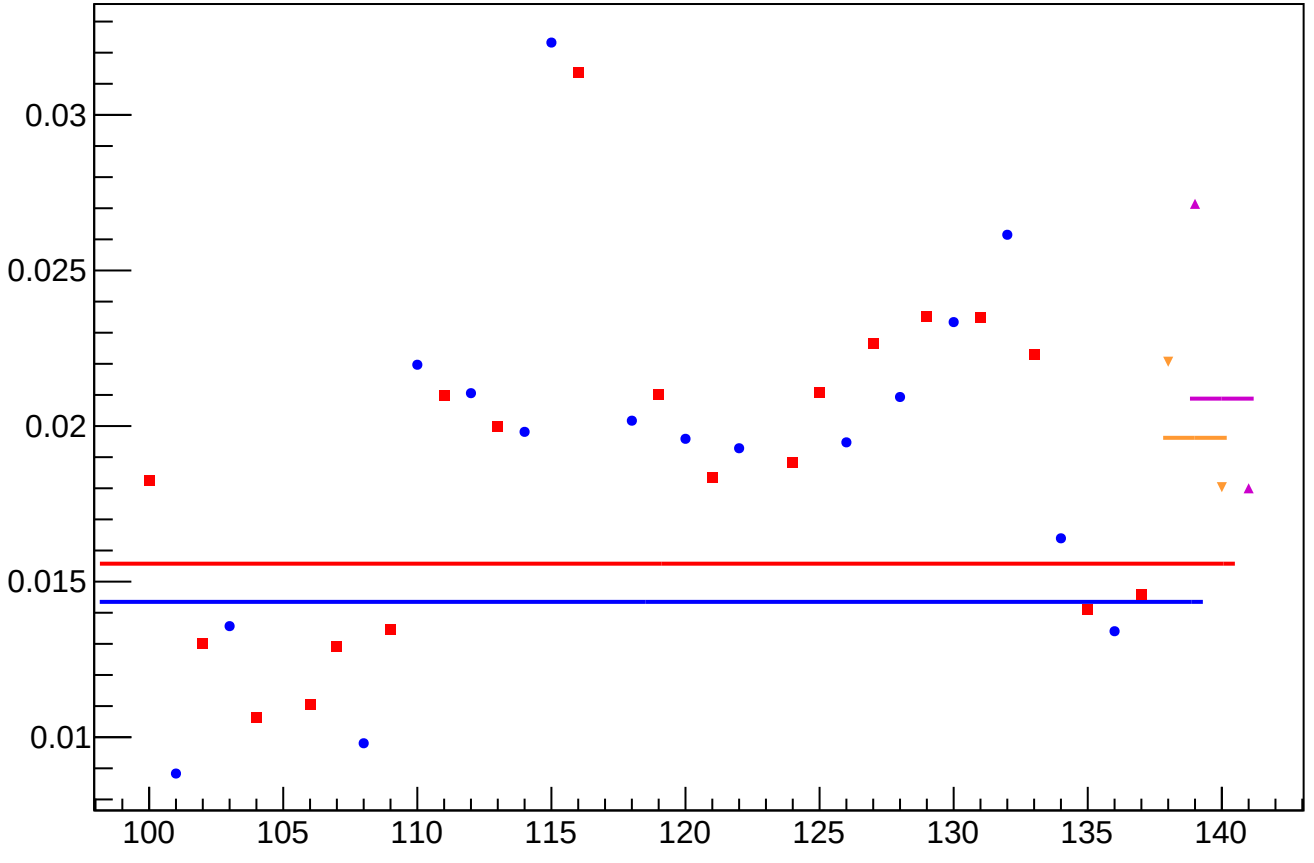
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.640+/-0.000 χ^2/NDF:8018637339.0/17

Out: 10.650+/-0.000 χ^2/NDF:6482794958.0/20

All: 10.645+/-0.000 χ^2/NDF: 14502828446.7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:28851.9/1

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.021+/-0.000 χ^2/NDF:129492.0/1

Left: 0.020+/-0.000 χ^2/NDF: 164137.6/3

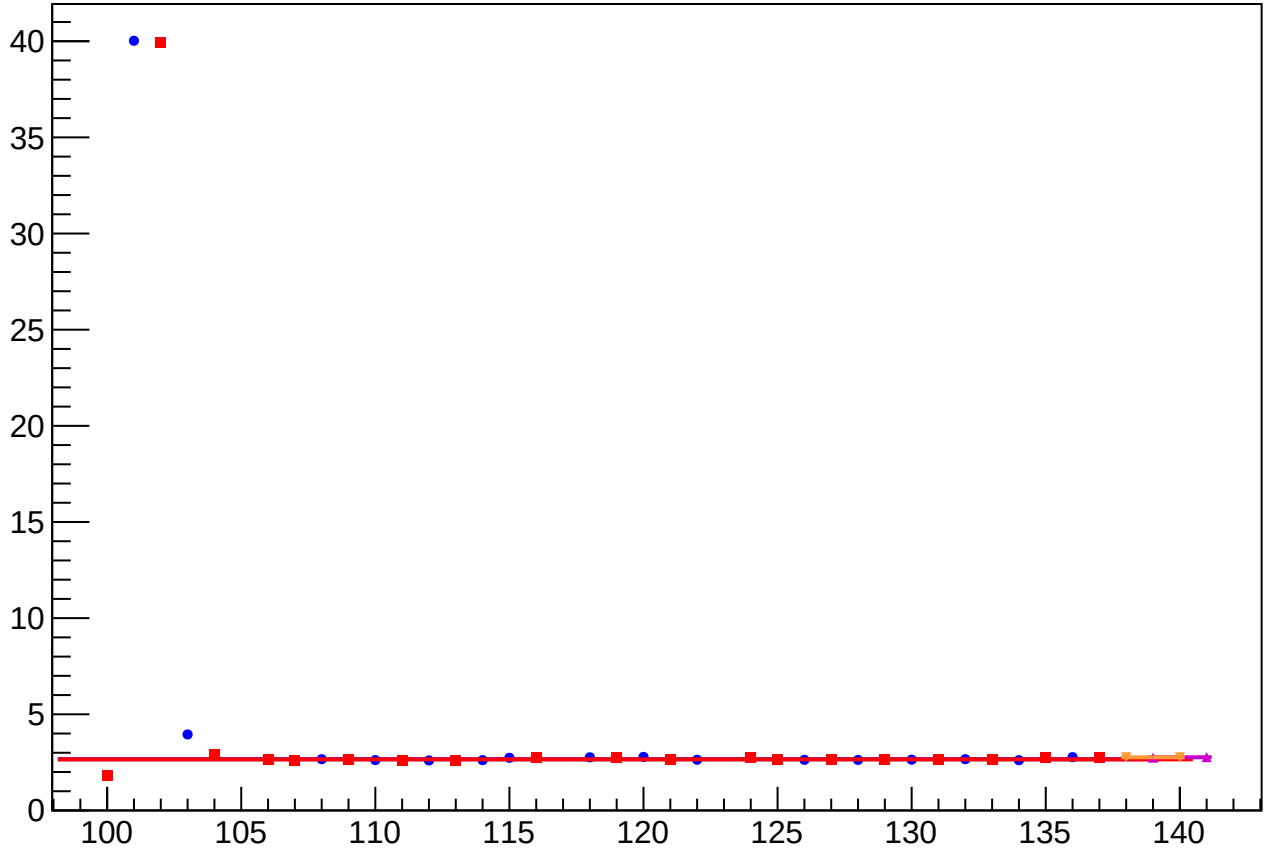
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.015+/-0.000 χ^2/NDF:1882297.5/17

Out: 0.016+/-0.000 χ^2/NDF:1207027.3/20

All: 0.016+/-0.000 χ^2/NDF: 3118940.3/38

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.763+/-0.000 χ^2/NDF:326152.4/1

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.766+/-0.000 χ^2/NDF:27223053.2/1

Left: 2.765+/-0.000 χ^2/NDF: 28402569.7/3

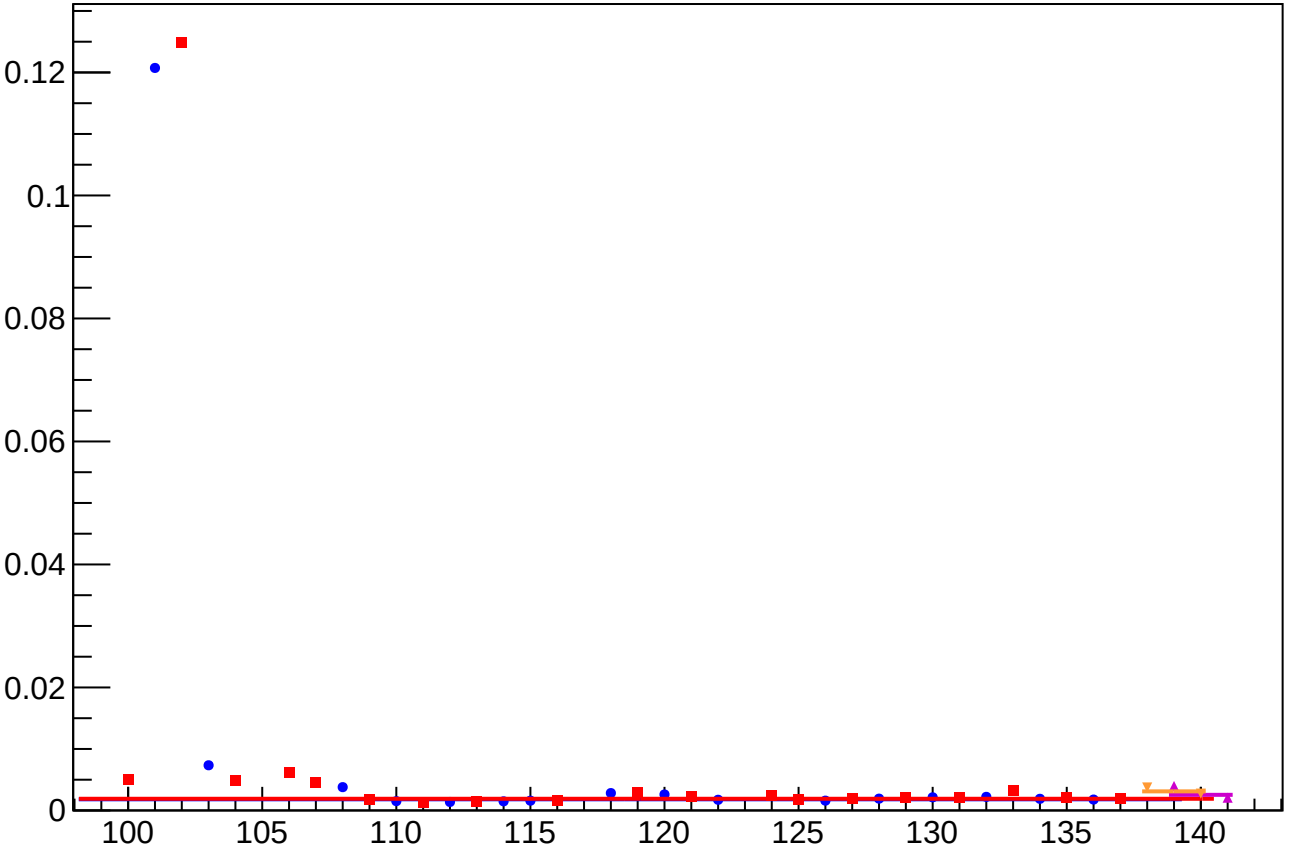
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.677+/-0.000 χ^2/NDF:69768868716.1/17

Out: 2.666+/-0.000 χ^2/NDF:66482660193.3/20

All: 2.671+/-0.000 χ^2/NDF: 136341243611.1

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:64248.7/1

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.003+/-0.000 χ^2/NDF:276970.4/1

Left: 0.003+/-0.000 χ^2/NDF: 393697.7/3

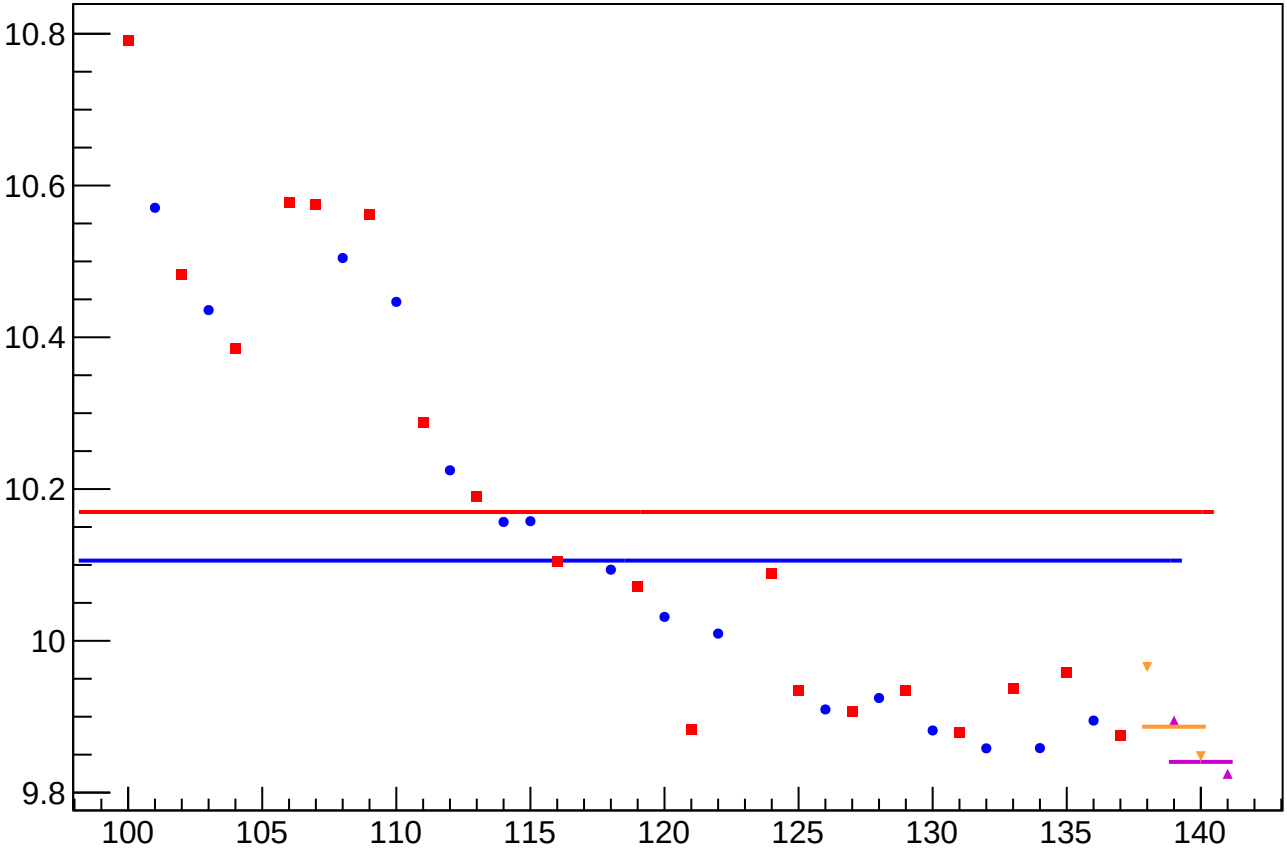
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2290481.1/17

Out: 0.002+/-0.000 χ^2/NDF:2953838.6/20

All: 0.002+/-0.000 χ^2/NDF: 5260737.1/38

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.887+/-0.000 χ^2/NDF:41232702.2/1

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.840+/-0.000 χ^2/NDF:21200876.0/1

Left: 9.857+/-0.000 χ^2/NDF: 81225501.4/3

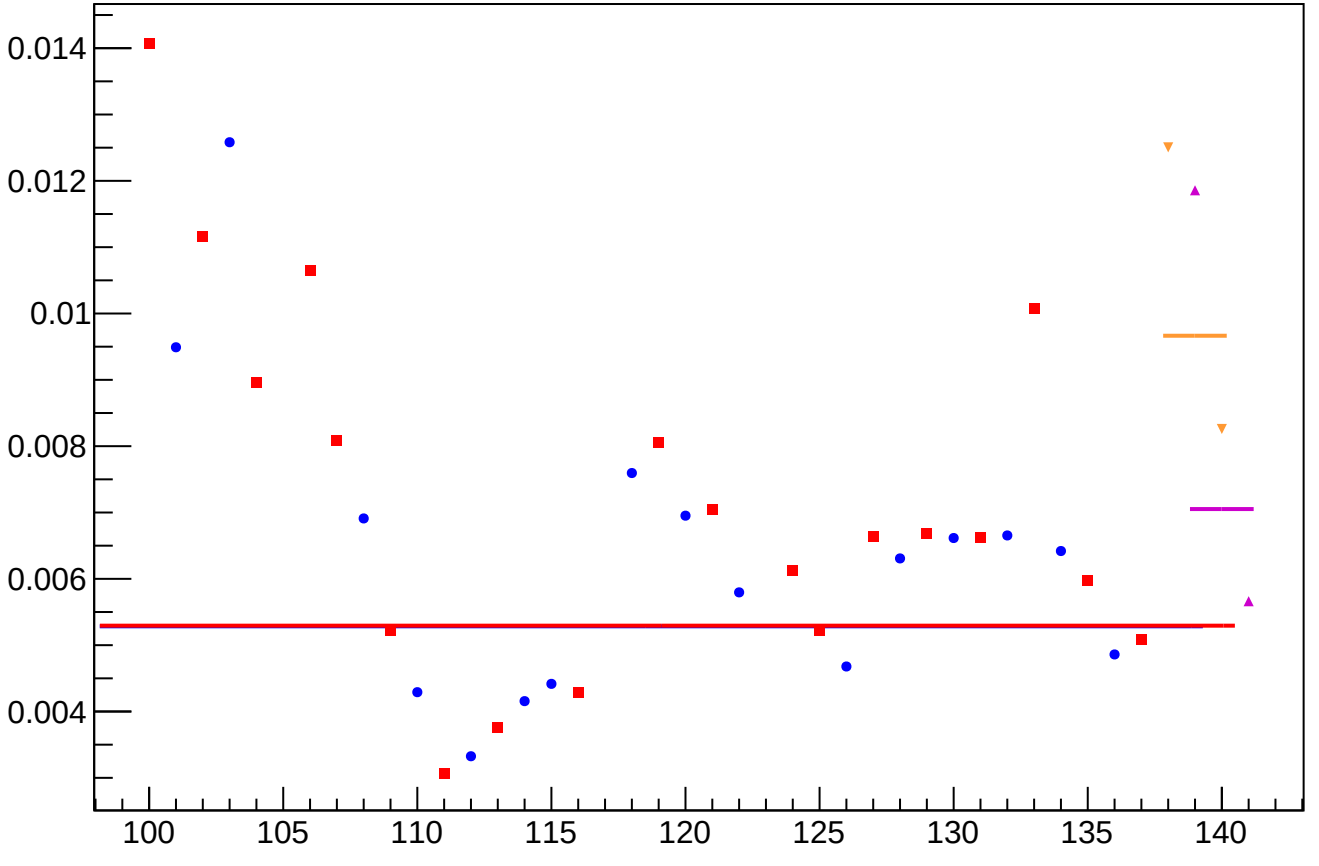
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 10.075+/-0.000 χ^2/NDF:10700025136.2/17

Out: 10.152+/-0.000 χ^2/NDF:10185972202.1/20

All: 10.113+/-0.000 χ^2/NDF: 21507795996.5

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.010+/-0.000 χ^2/NDF:107497.2/1

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.007+/-0.000 χ^2/NDF:332480.4/1

Left: 0.008+/-0.000 χ^2/NDF: 559303.4/3

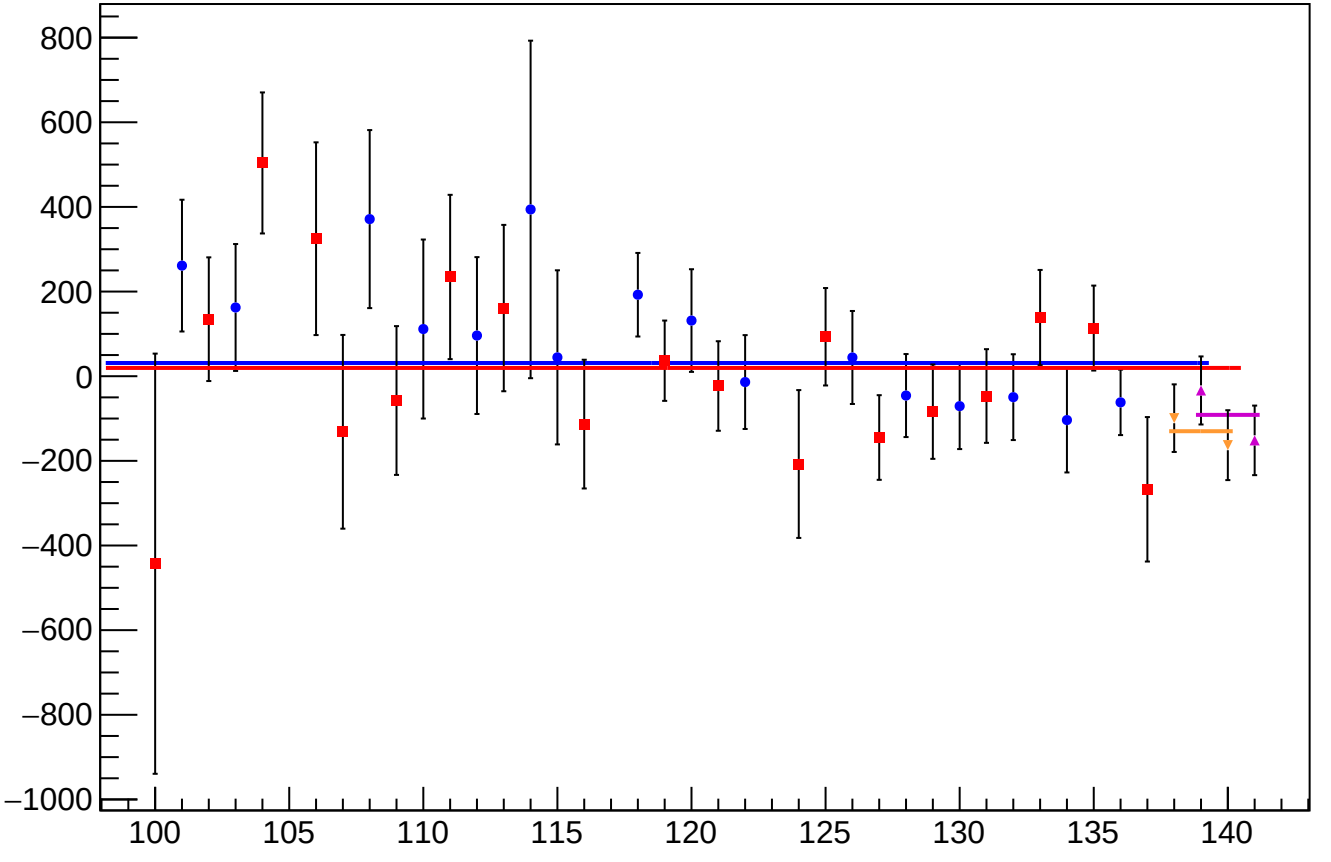
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.005+/-0.000 χ^2/NDF:1744439.1/17

Out: 0.006+/-0.000 χ^2/NDF:2381336.3/20

All: 0.006+/-0.000 χ^2/NDF: 4127426.3/38

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -129.955+/-57.402 χ^2/NDF:0.3/1

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -91.349+/-57.474 χ^2/NDF:1.1/1

Left: -110.677+/-40.615 χ^2/NDF: 1.6/3

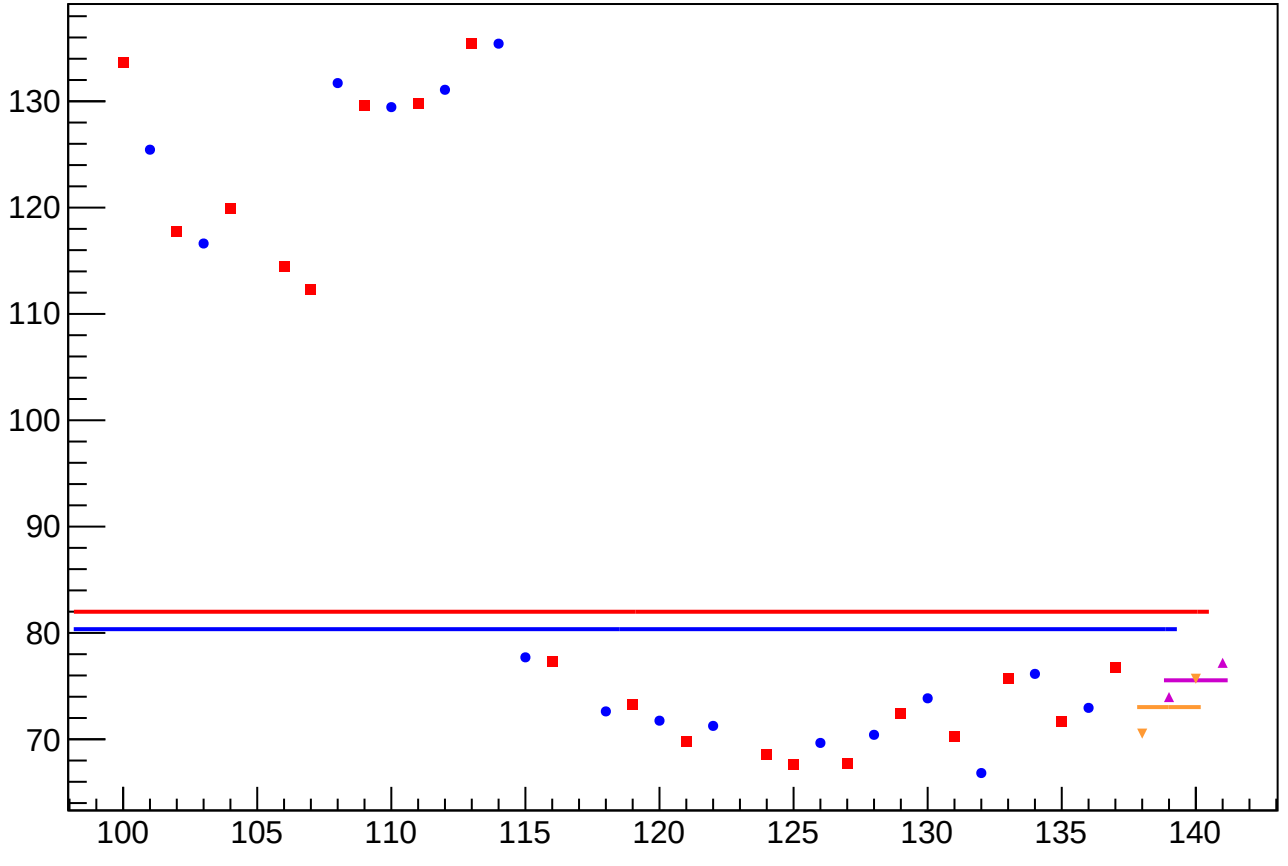
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: 3.915+/-27.138 χ^2/NDF:19.7/17

Out: -14.289+/-27.316 χ^2/NDF:31.5/20

All: -5.127+/-19.252 χ^2/NDF: 51.4/38

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 73.025+/-0.041 χ^2/NDF:4039.9/1

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 75.545+/-0.041 χ^2/NDF:1568.0/1

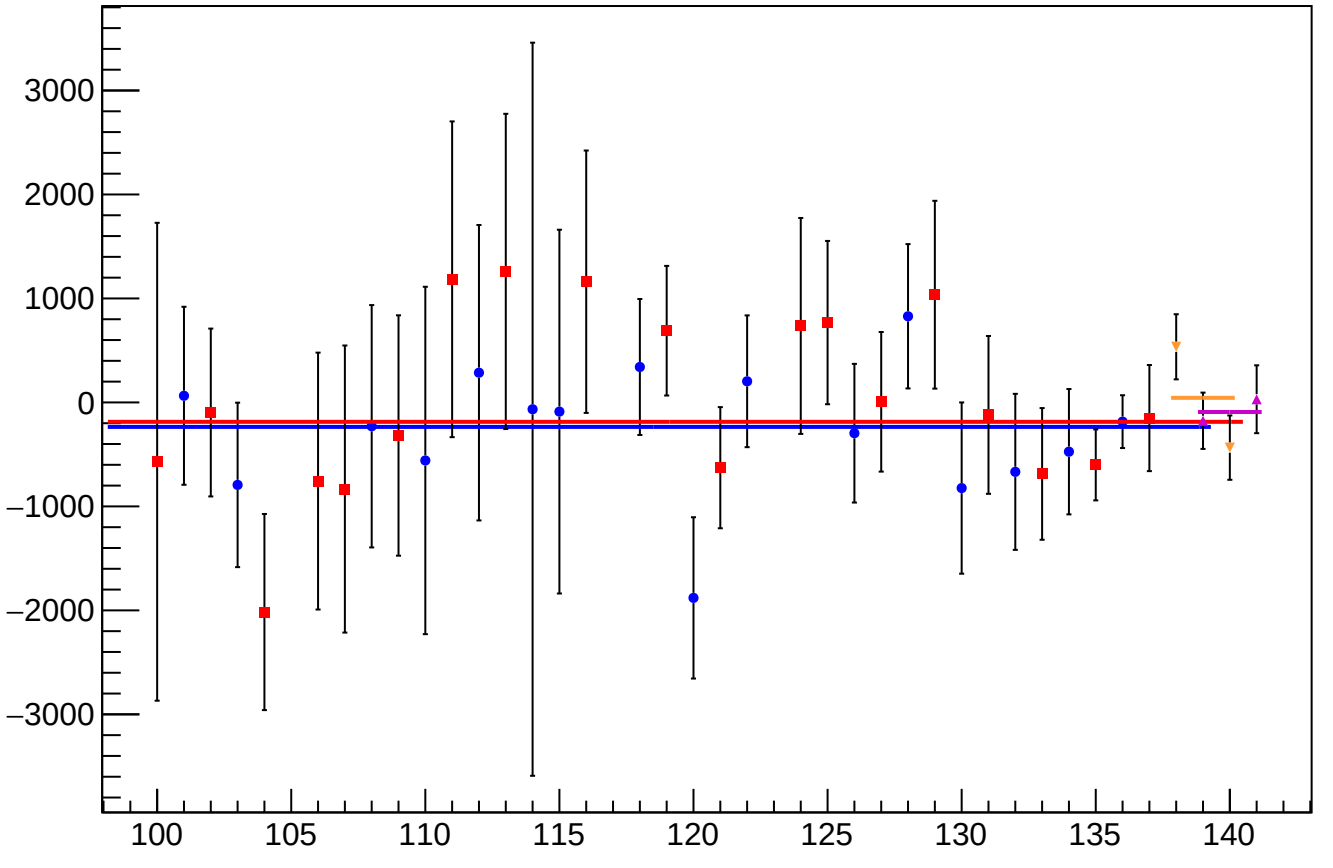
Left: 74.284+/-0.029 χ^2/NDF: 7532.5/3

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.282+/-0.019 χ^2/NDF:852487.4/17

Out: 79.962+/-0.019 χ^2/NDF:974136.1/20

All: 79.620+/-0.014 χ^2/NDF: 1827247.8/38



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 44.214+/-220.132 χ^2/NDF:4.9/1

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -92.033+/-208.379 χ^2/NDF:0.2/1

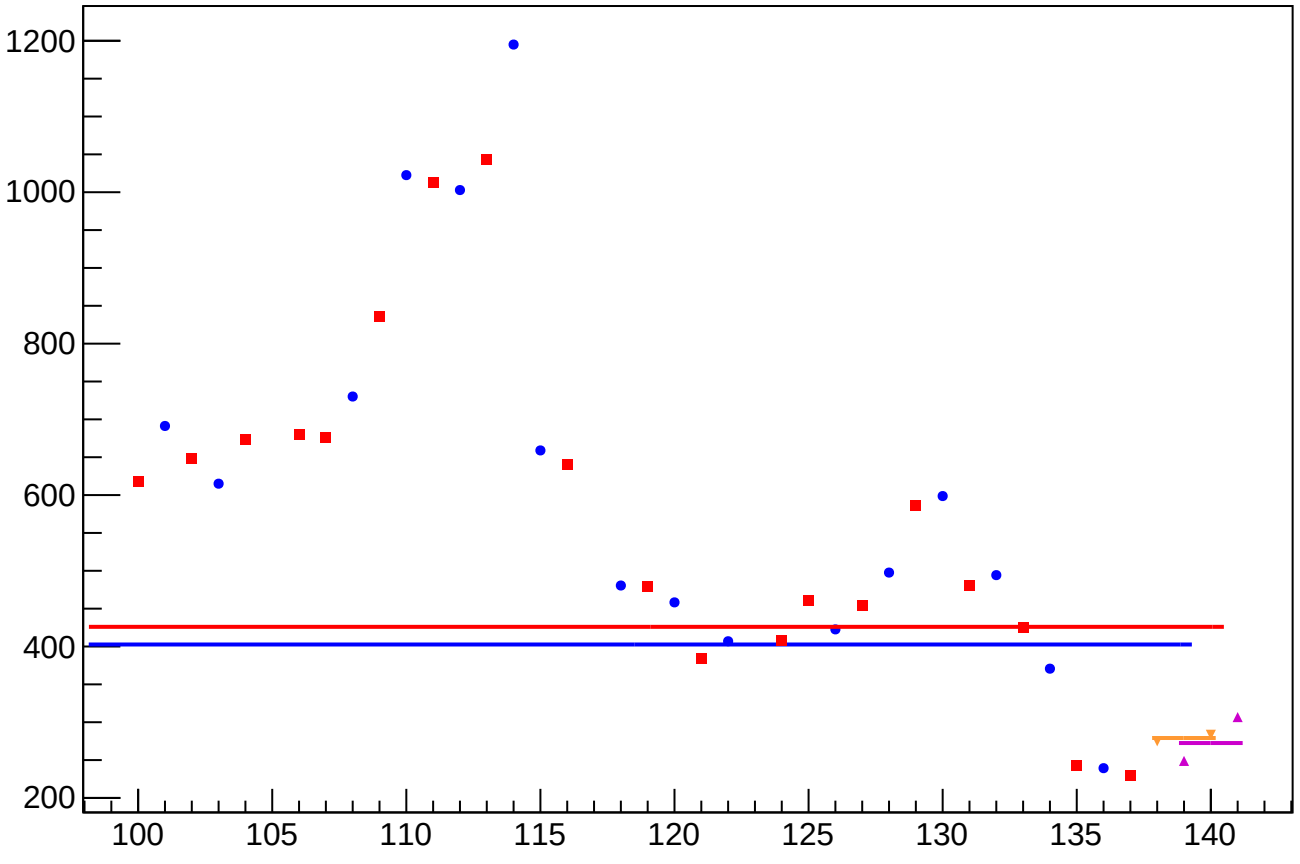
Left: -27.644+/-151.331 χ^2/NDF: 5.3/3

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -180.735+/-128.760 χ^2/NDF:10.5/17

Out: -100.132+/-134.744 χ^2/NDF:21.5/20

All: -142.263+/-93.091 χ^2/NDF: 32.2/38



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 279.154+/-0.156 χ^2/NDF:771.1/1

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 272.510+/-0.147 χ^2/NDF:37258.4/1

Left: 275.650+/-0.107 χ^2/NDF: 38990.6/3

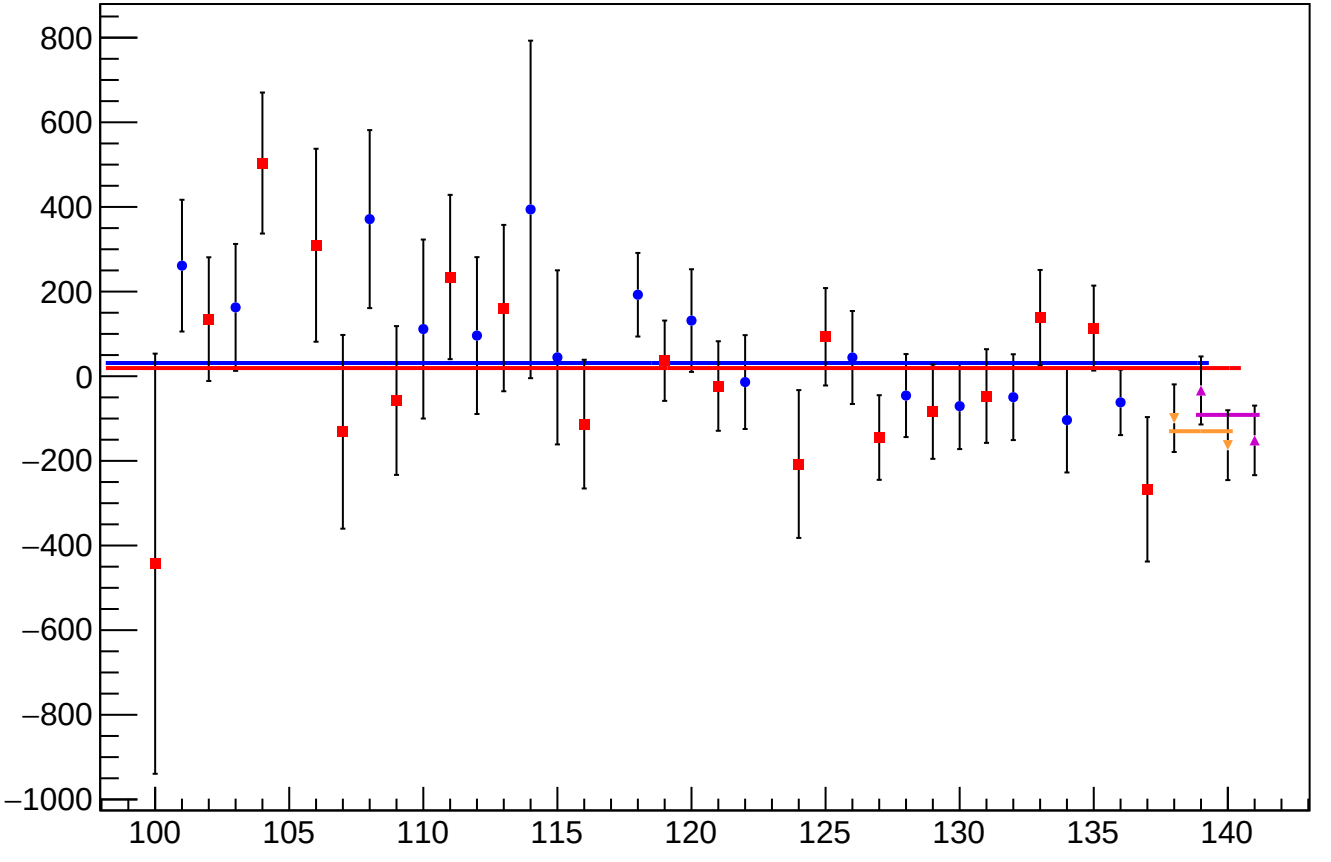
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 352.965+/-0.091 χ^2/NDF:2879648.6/17

Out: 370.968+/-0.095 χ^2/NDF:2925945.6/20

All: 361.558+/-0.066 χ^2/NDF: 5824256.3/38

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -129.946+/-57.402 χ^2/NDF:0.3/1

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -91.346+/-57.474 χ^2/NDF:1.1/1

Left: -110.671+/-40.615 χ^2/NDF: 1.6/3

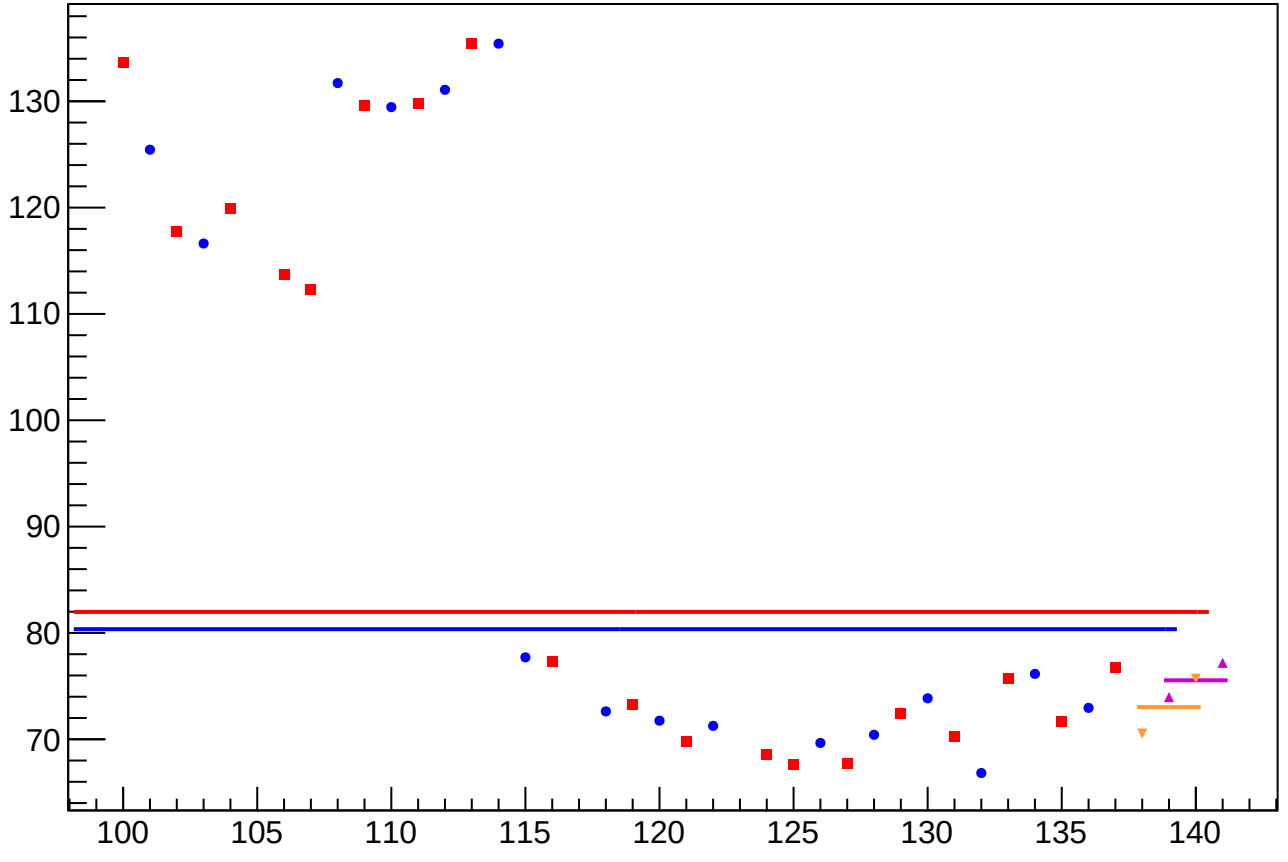
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: 3.924+/-27.138 χ^2/NDF:19.7/17

Out: -14.514+/-27.317 χ^2/NDF:31.3/20

All: -5.235+/-19.252 χ^2/NDF: 51.2/38

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 73.025+/-0.041 χ^2/NDF:4039.9/1

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 75.545+/-0.041 χ^2/NDF:1568.0/1

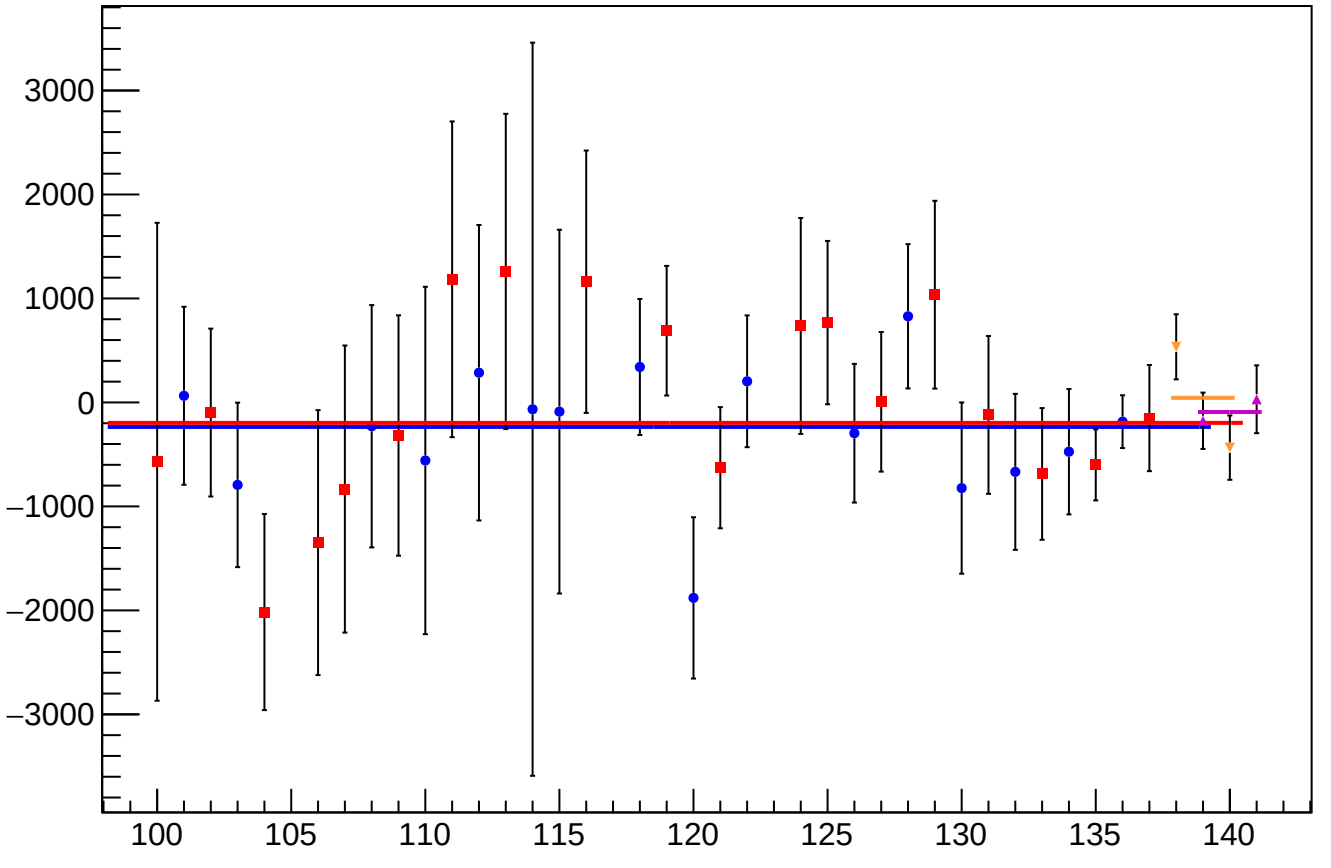
Left: 74.284+/-0.029 χ^2/NDF: 7532.5/3

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.282+/-0.019 χ^2/NDF:852487.6/17

Out: 79.950+/-0.019 χ^2/NDF:972137.8/20

All: 79.614+/-0.014 χ^2/NDF: 1825228.3/38



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 44.217+/-220.132 χ^2/NDF:4.9/1

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -92.033+/-208.379 χ^2/NDF:0.2/1

Left: -27.642+/-151.331 χ^2/NDF: 5.3/3

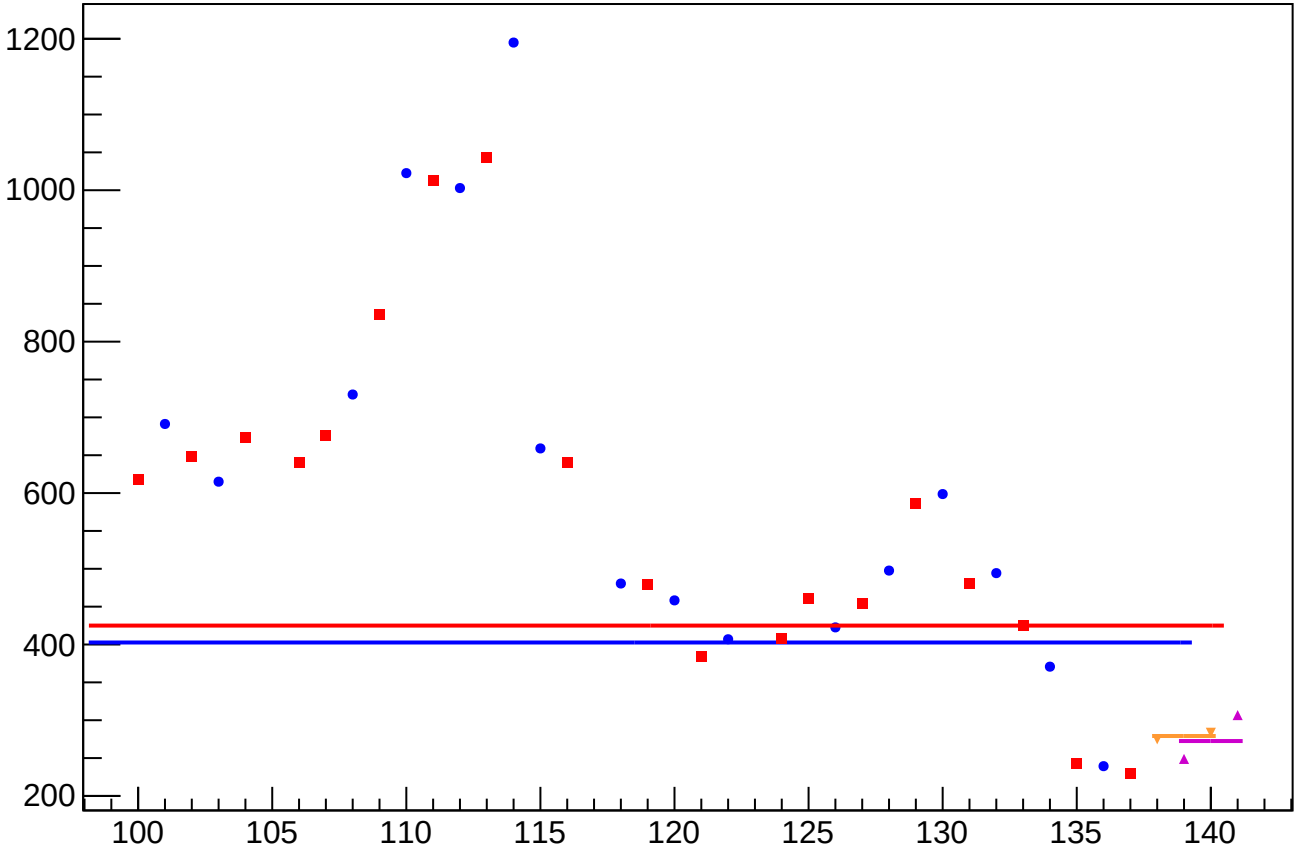
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -180.734+/-128.760 χ^2/NDF:10.5/17

Out: -106.294+/-134.792 χ^2/NDF:22.2/20

All: -145.217+/-93.106 χ^2/NDF: 32.8/38

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 279.154+/-0.156 χ^2/NDF:771.0/1

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 272.509+/-0.147 χ^2/NDF:37257.5/1

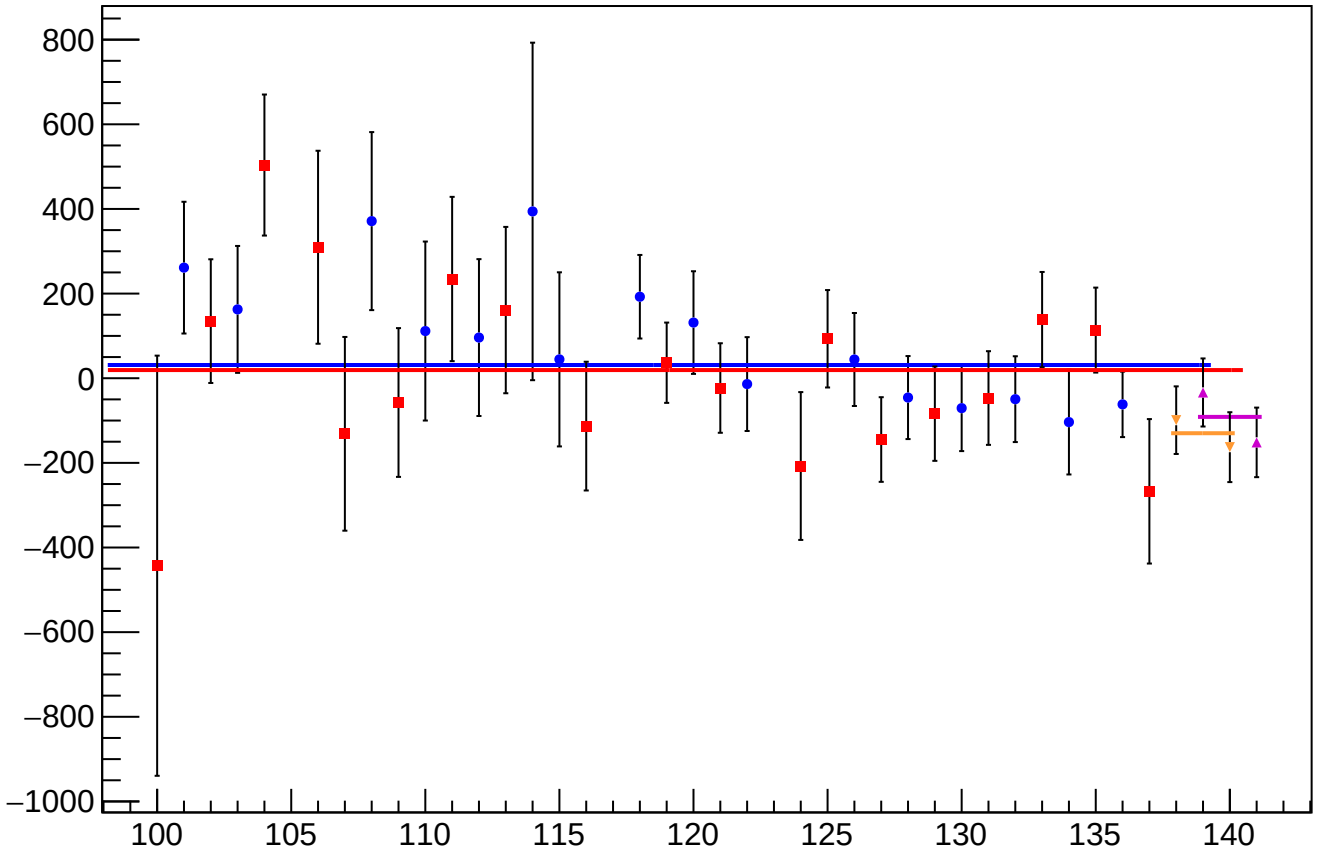
Left: 275.649+/-0.107 χ^2/NDF: 38989.6/3

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 352.965+/-0.091 χ^2/NDF:2879648.1/17

Out: 370.309+/-0.095 χ^2/NDF:2890457.1/20

All: 361.240+/-0.066 χ^2/NDF: 5787417.8/38



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -129.946+/-57.402 χ^2/NDF:0.3/1

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -91.346+/-57.474 χ^2/NDF:1.1/1

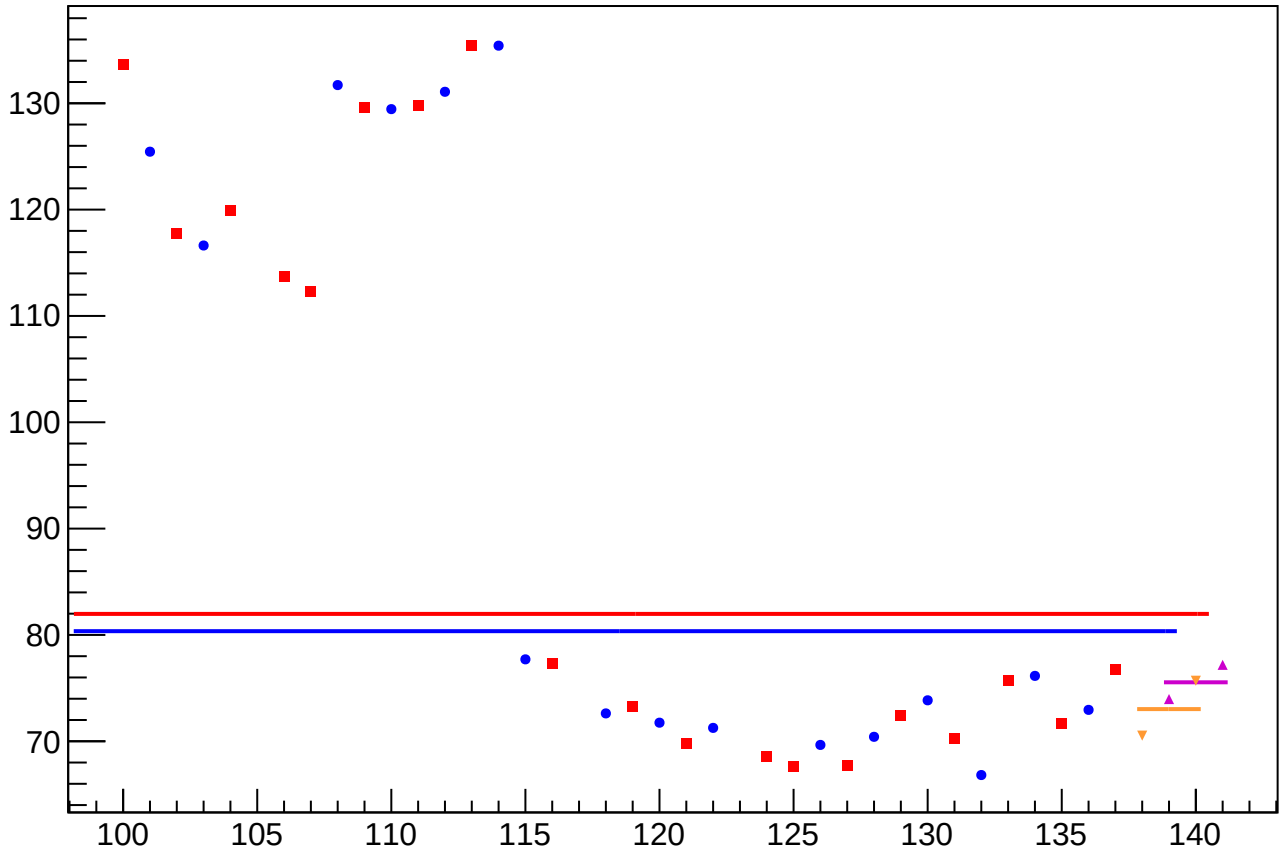
Left: -110.671+/-40.615 χ^2/NDF: 1.6/3

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: 3.924+/-27.138 χ^2/NDF:19.7/17

Out: -14.514+/-27.317 χ^2/NDF:31.3/20

All: -5.235+/-19.252 χ^2/NDF: 51.2/38



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 73.025+/-0.041 χ^2/NDF:4039.9/1

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 75.545+/-0.041 χ^2/NDF:1568.0/1

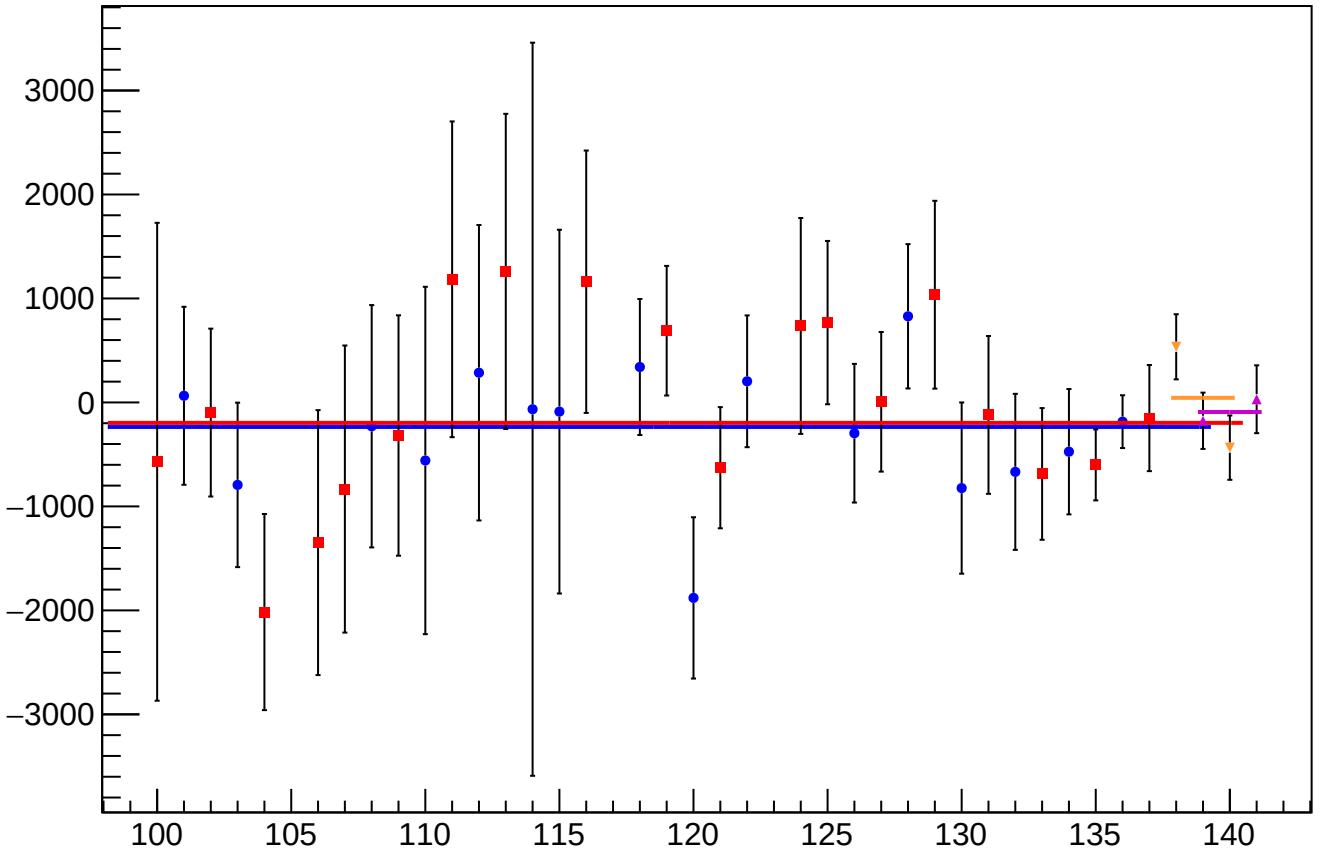
Left: 74.284+/-0.029 χ^2/NDF: 7532.5/3

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.282+/-0.019 χ^2/NDF:852487.6/17

Out: 79.950+/-0.019 χ^2/NDF:972137.8/20

All: 79.614+/-0.014 χ^2/NDF: 1825228.3/38



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 44.217+/-220.132 χ^2/NDF:4.9/1

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -92.033+/-208.379 χ^2/NDF:0.2/1

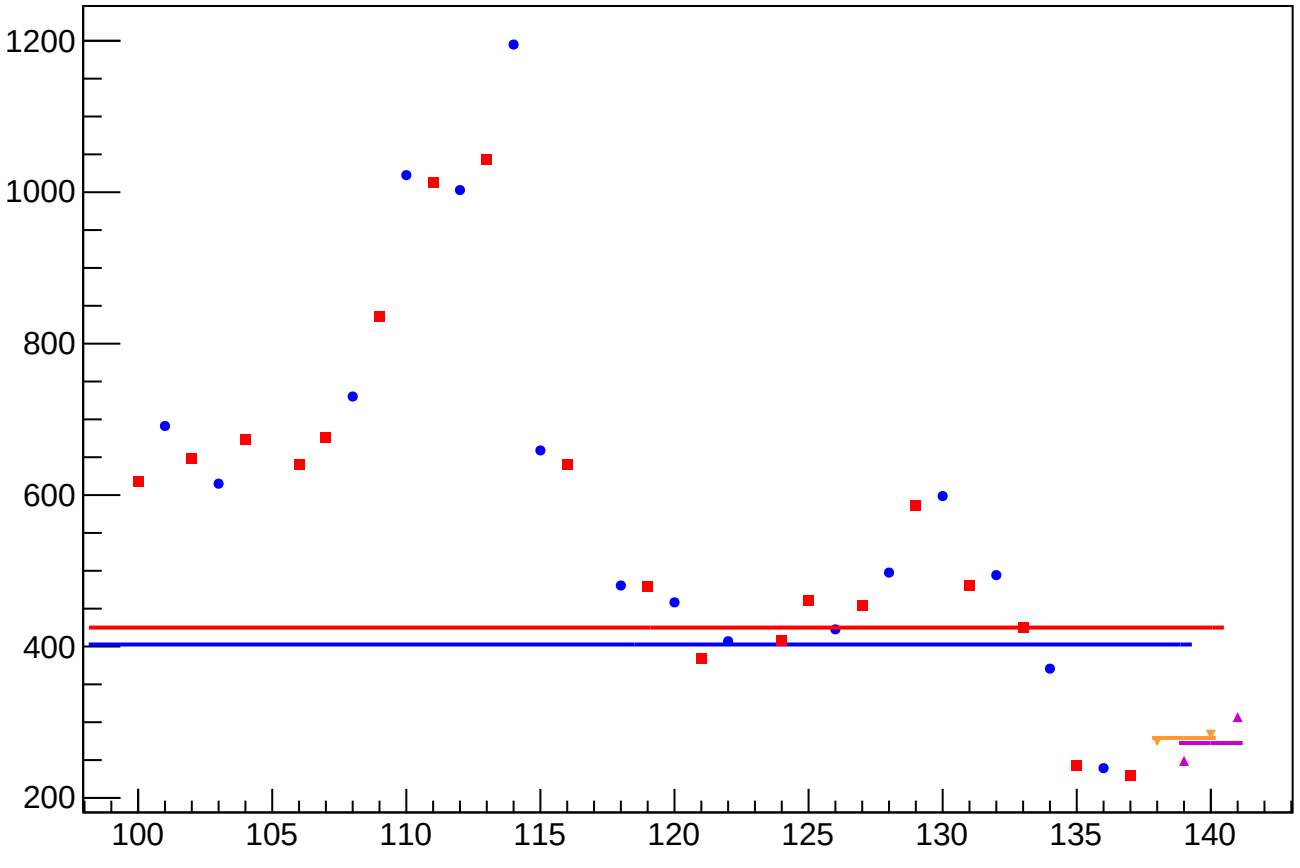
Left: -27.642+/-151.331 χ^2/NDF: 5.3/3

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -180.734+/-128.760 χ^2/NDF:10.5/17

Out: -106.294+/-134.792 χ^2/NDF:22.2/20

All: -145.217+/-93.106 χ^2/NDF: 32.8/38



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 279.154+/-0.156 χ^2/NDF:771.0/1

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 272.509+/-0.147 χ^2/NDF:37257.5/1

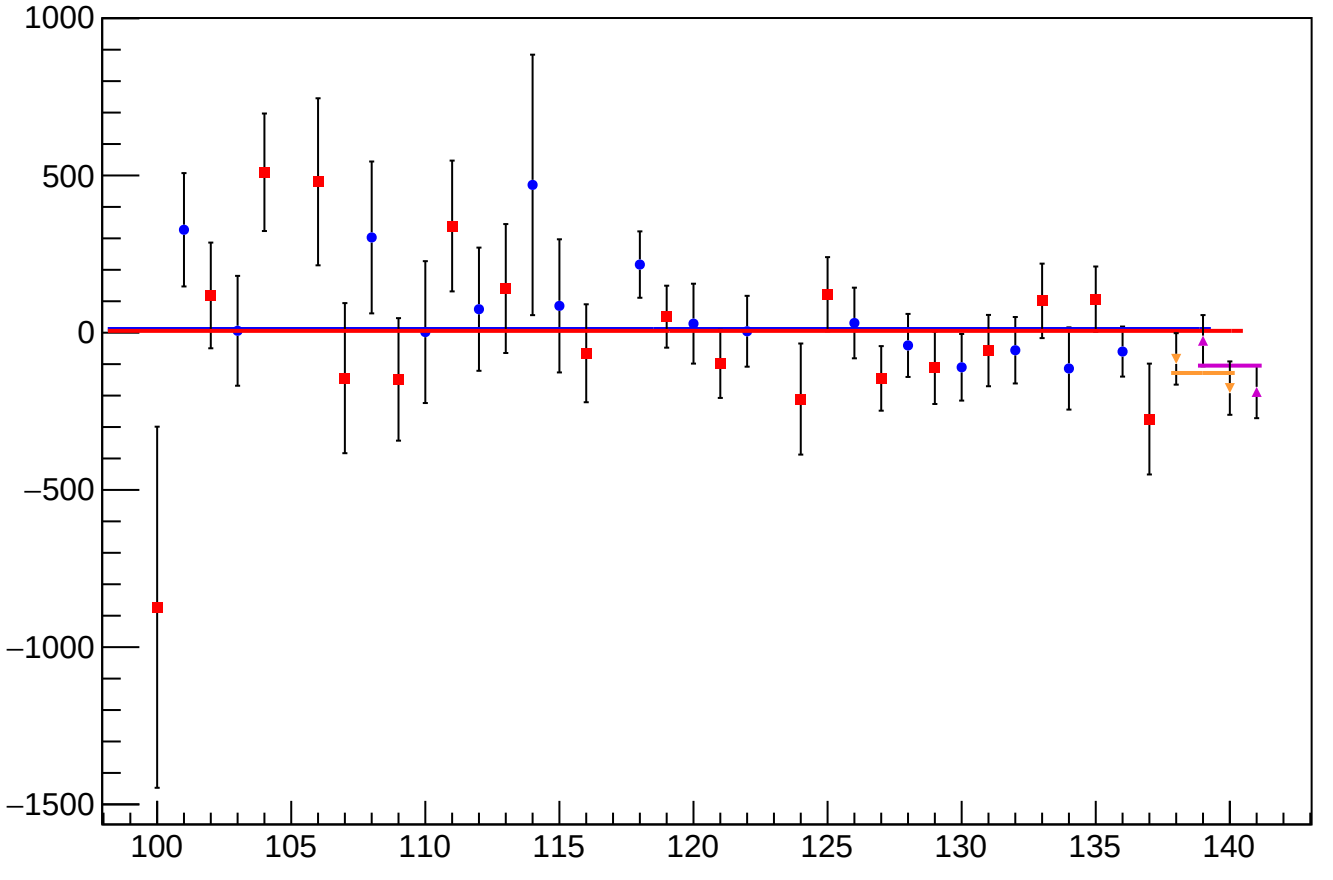
Left: 275.649+/-0.107 χ^2/NDF: 38989.6/3

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 352.965+/-0.091 χ^2/NDF:2879648.1/17

Out: 370.309+/-0.095 χ^2/NDF:2890457.1/20

All: 361.240+/-0.066 χ^2/NDF: 5787417.8/38



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -128.099+/-58.927 χ^2/NDF:0.6/1

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -104.722+/-58.327 χ^2/NDF:1.9/1

Left: -116.291+/-41.454 χ^2/NDF: 2.6/3

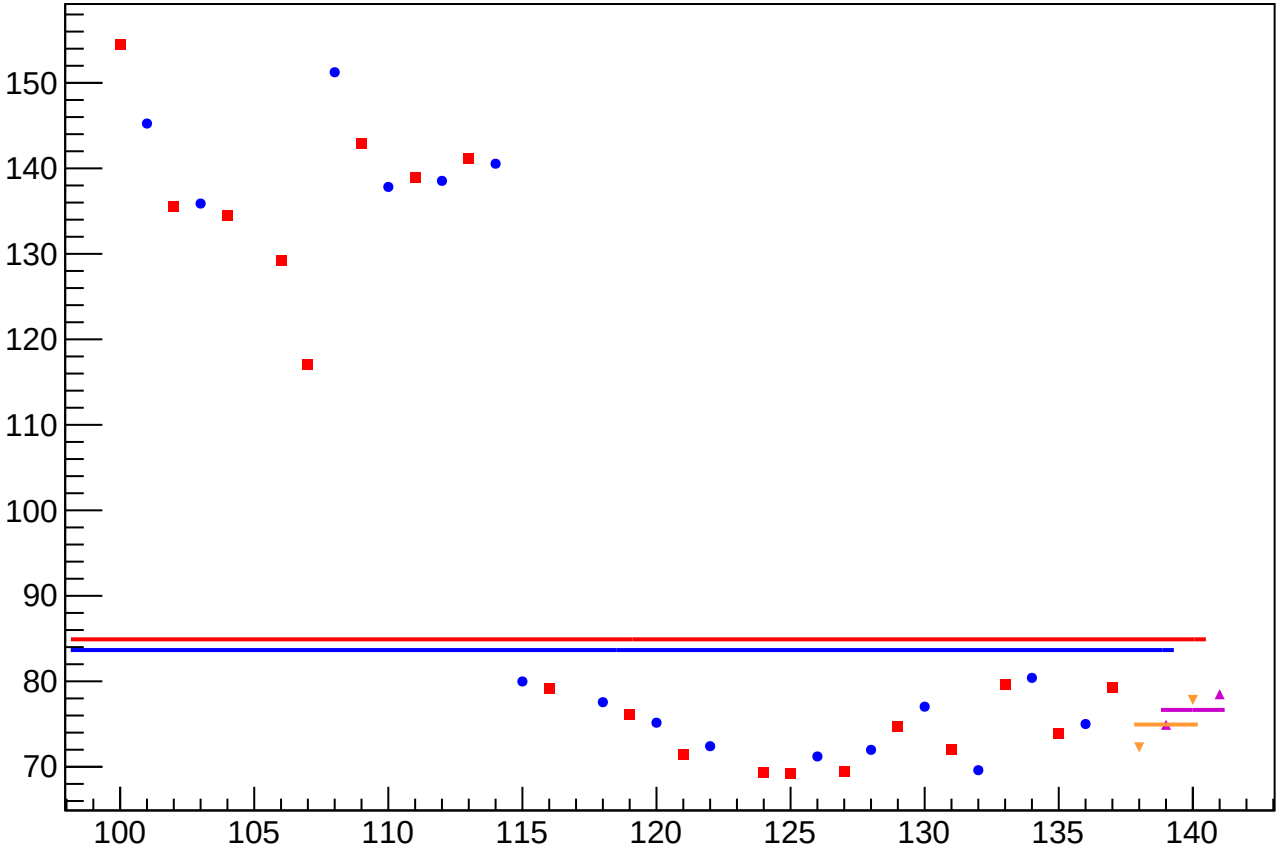
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -15.657+/-28.255 χ^2/NDF:18.5/17

Out: -25.335+/-28.421 χ^2/NDF:33.4/20

All: -20.467+/-20.038 χ^2/NDF: 51.9/38

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 74.947+/-0.042 χ^2/NDF:4431.6/1

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 76.657+/-0.041 χ^2/NDF:1881.0/1

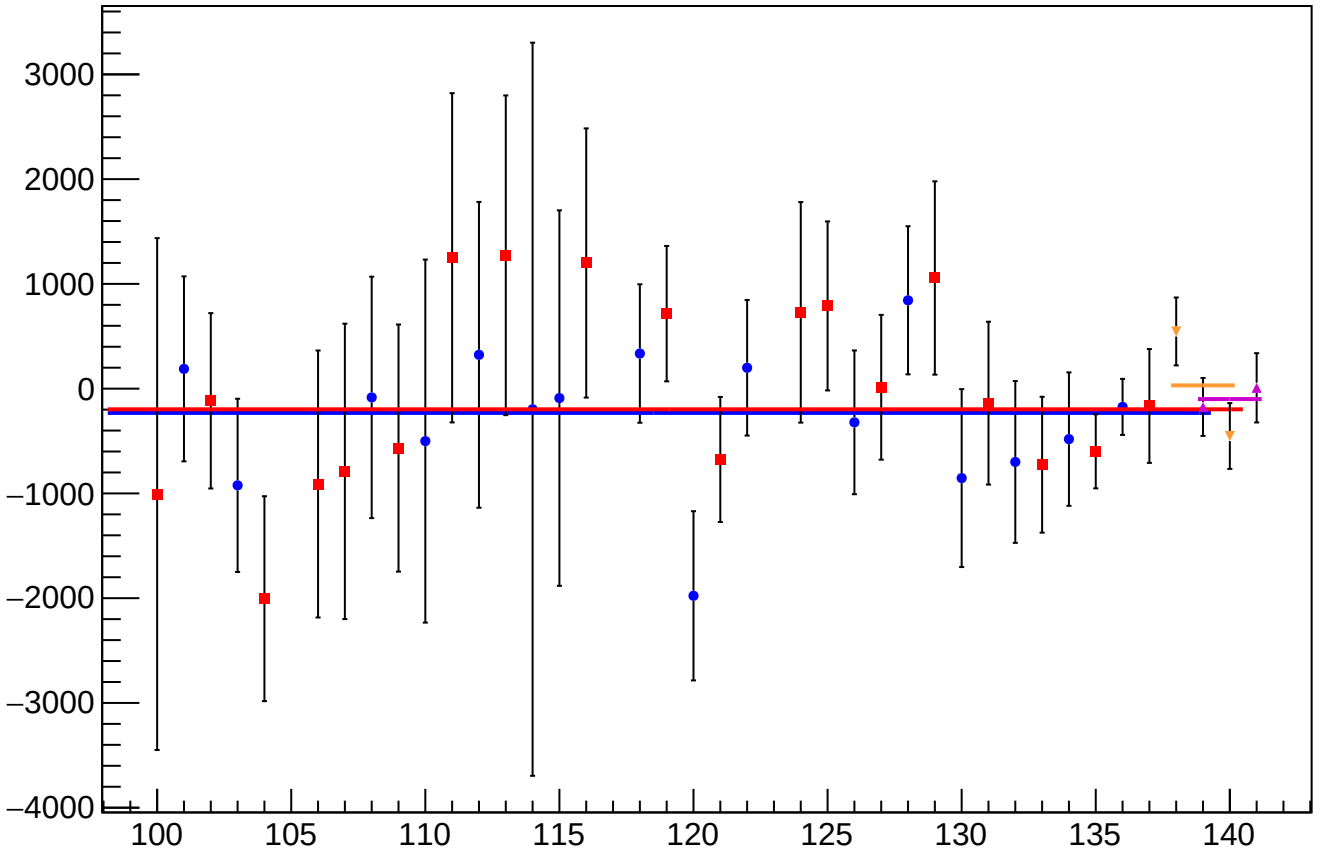
Left: 75.810+/-0.029 χ^2/NDF: 7163.4/3

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.014+/-0.020 χ^2/NDF:1058724.2/17

Out: 82.595+/-0.020 χ^2/NDF:1170004.5/20

All: 82.303+/-0.014 χ^2/NDF: 2229147.9/38



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 31.250+/-225.484 χ^2/NDF:4.9/1

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -99.424+/-212.166 χ^2/NDF:0.2/1

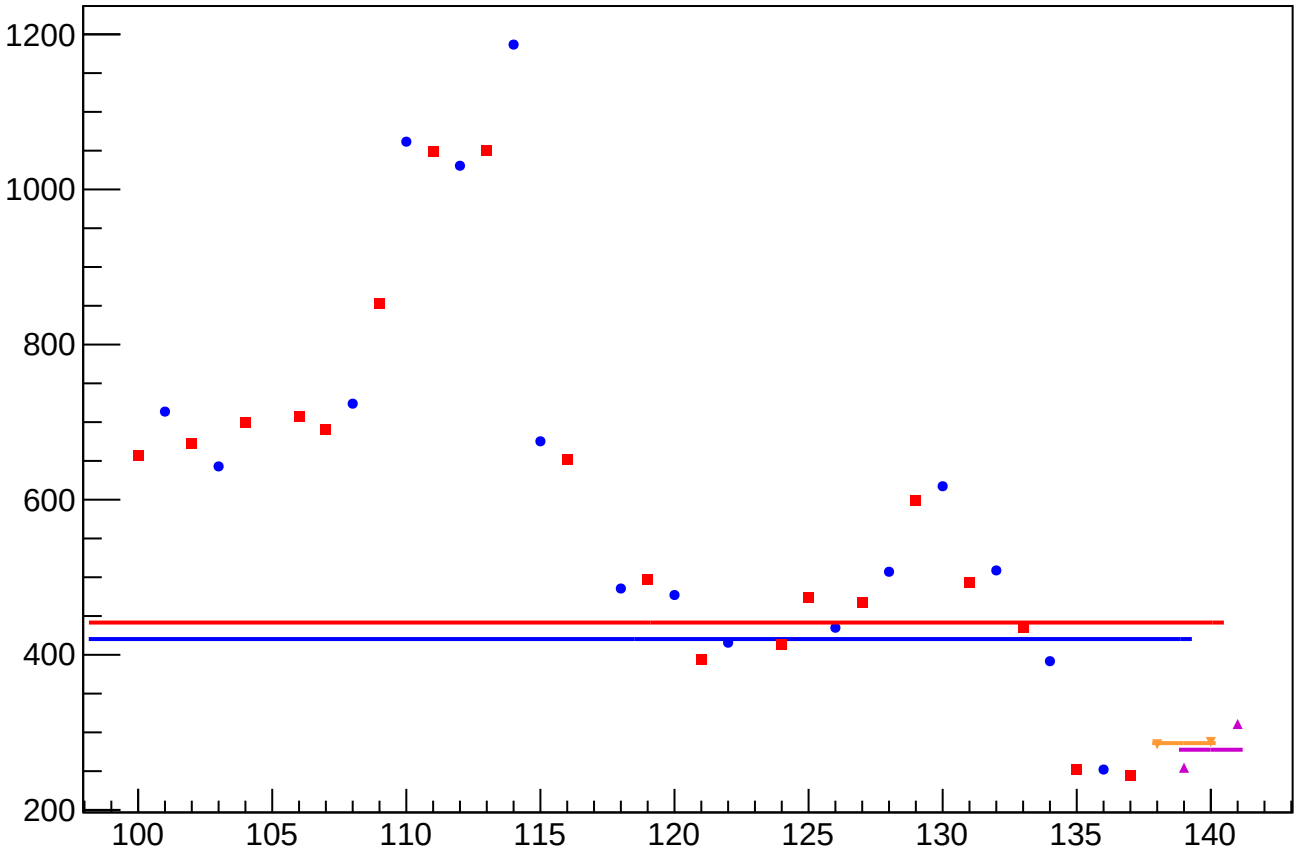
Left: -38.060+/-154.518 χ^2/NDF: 5.3/3

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -179.753+/-132.729 χ^2/NDF:10.8/17

Out: -110.659+/-138.784 χ^2/NDF:21.4/20

All: -146.746+/-95.923 χ^2/NDF: 32.4/38



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 286.161+/-0.159 χ^2/NDF:88.6/1

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 277.637+/-0.150 χ^2/NDF:34260.6/1

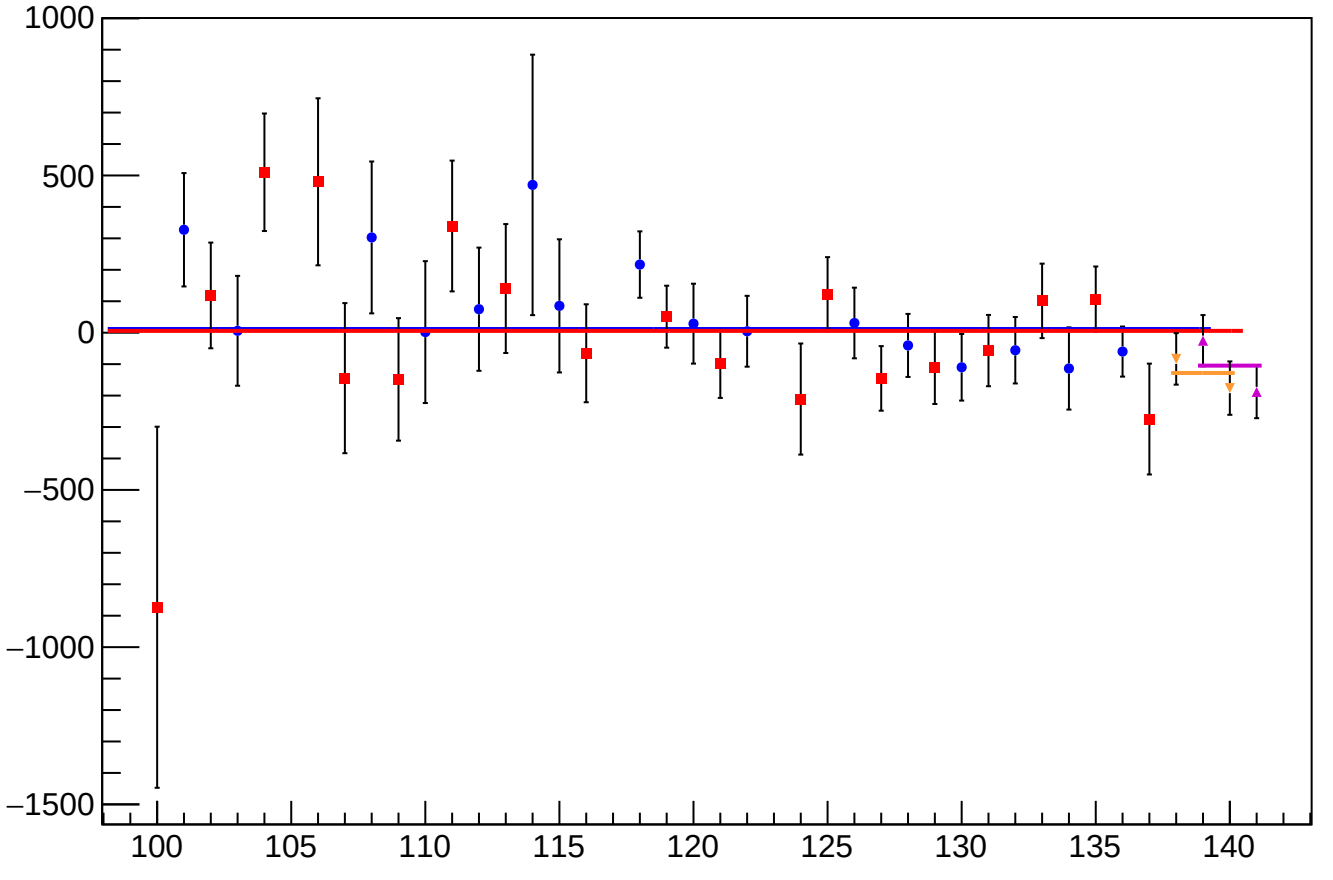
Left: 281.640+/-0.109 χ^2/NDF: 35865.1/3

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 364.485+/-0.094 χ^2/NDF:2839469.0/17

Out: 382.713+/-0.098 χ^2/NDF:2898032.3/20

All: 373.192+/-0.068 χ^2/NDF: 5755520.4/38



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -128.100+/-58.927 χ^2/NDF:0.6/1

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -104.722+/-58.327 χ^2/NDF:1.9/1

Left: -116.291+/-41.454 χ^2/NDF: 2.6/3

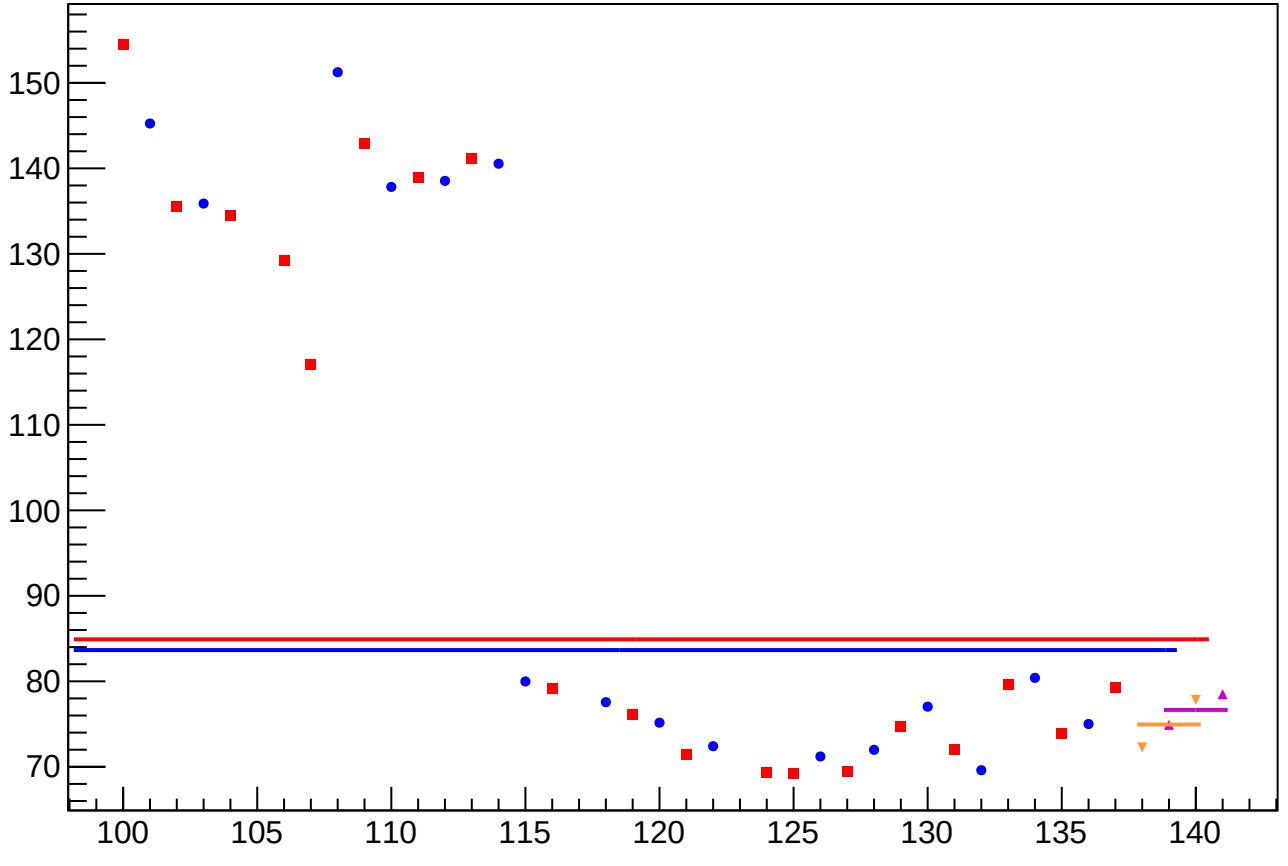
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -15.656+/-28.255 χ^2/NDF:18.5/17

Out: -25.335+/-28.421 χ^2/NDF:33.4/20

All: -20.467+/-20.038 χ^2/NDF: 51.9/38

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 74.947+/-0.042 χ^2/NDF:4431.6/1

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 76.657+/-0.041 χ^2/NDF:1881.1/1

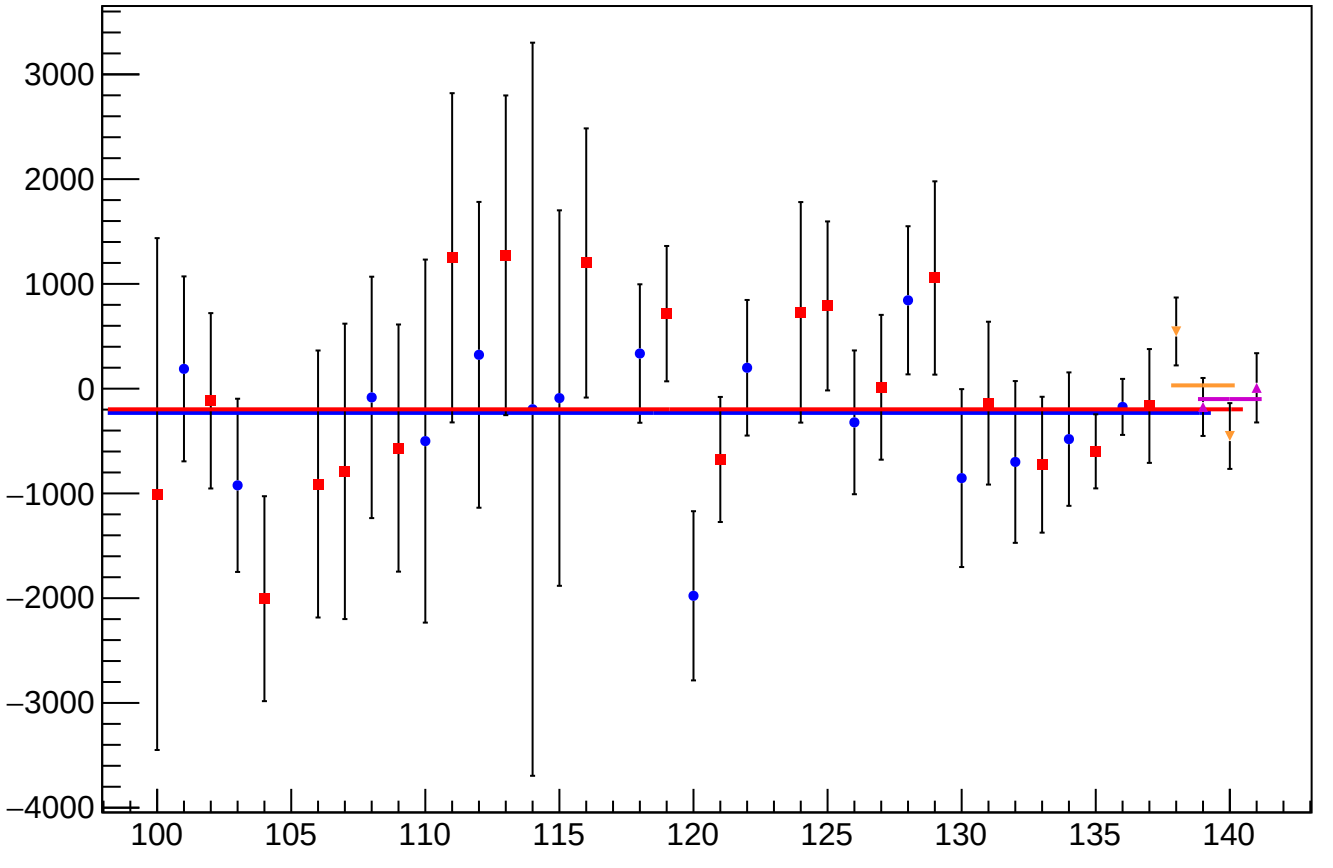
Left: 75.810+/-0.029 χ^2/NDF: 7163.5/3

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.014+/-0.020 χ^2/NDF:1058723.3/17

Out: 82.595+/-0.020 χ^2/NDF:1170002.9/20

All: 82.303+/-0.014 χ^2/NDF: 2229145.4/38



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 31.249+/-225.484 χ^2/NDF:4.9/1

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -99.424+/-212.166 χ^2/NDF:0.2/1

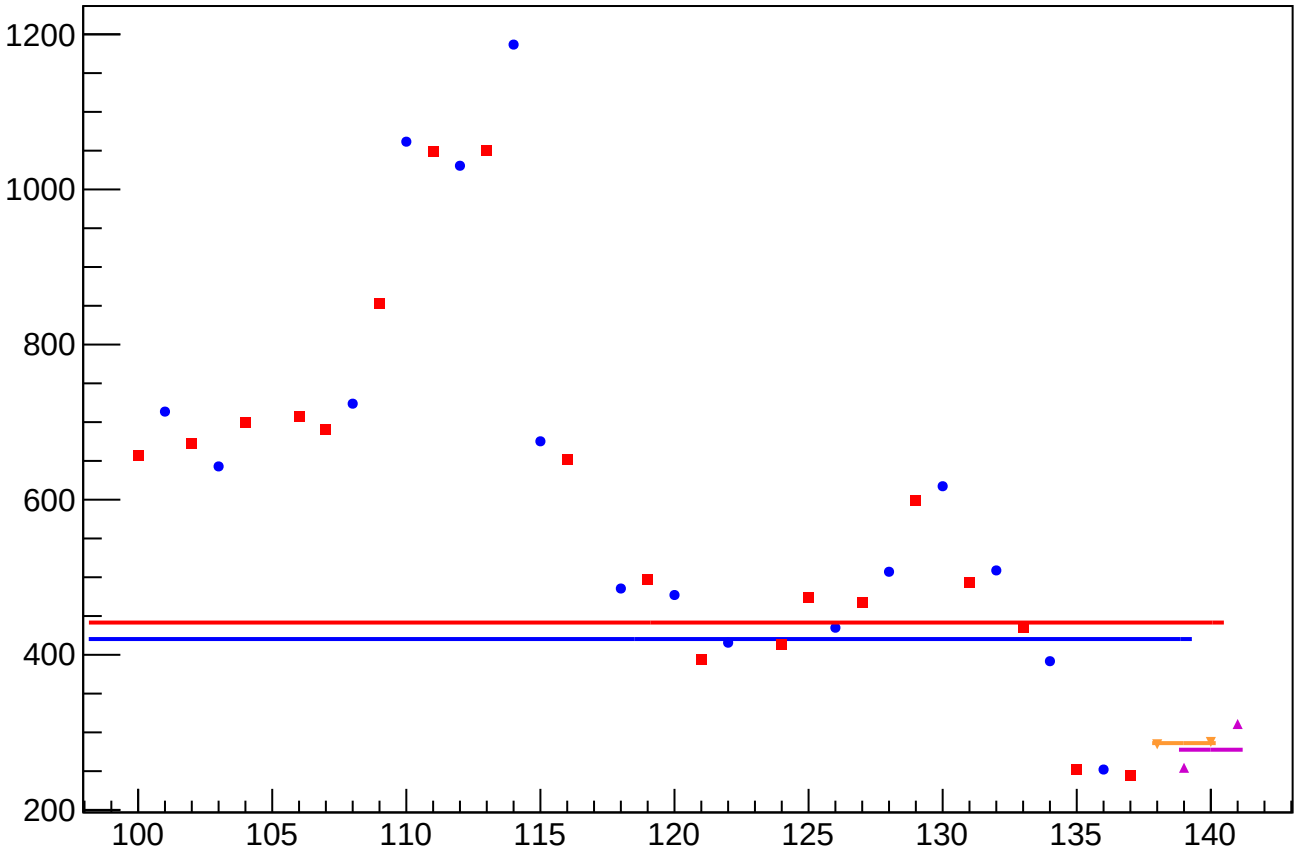
Left: -38.060+/-154.518 χ^2/NDF: 5.3/3

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -179.752+/-132.729 χ^2/NDF:10.8/17

Out: -110.660+/-138.784 χ^2/NDF:21.4/20

All: -146.746+/-95.923 χ^2/NDF: 32.4/38



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 286.161+/-0.159 χ^2/NDF:88.6/1

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 277.637+/-0.150 χ^2/NDF:34260.8/1

Left: 281.640+/-0.109 χ^2/NDF: 35865.3/3

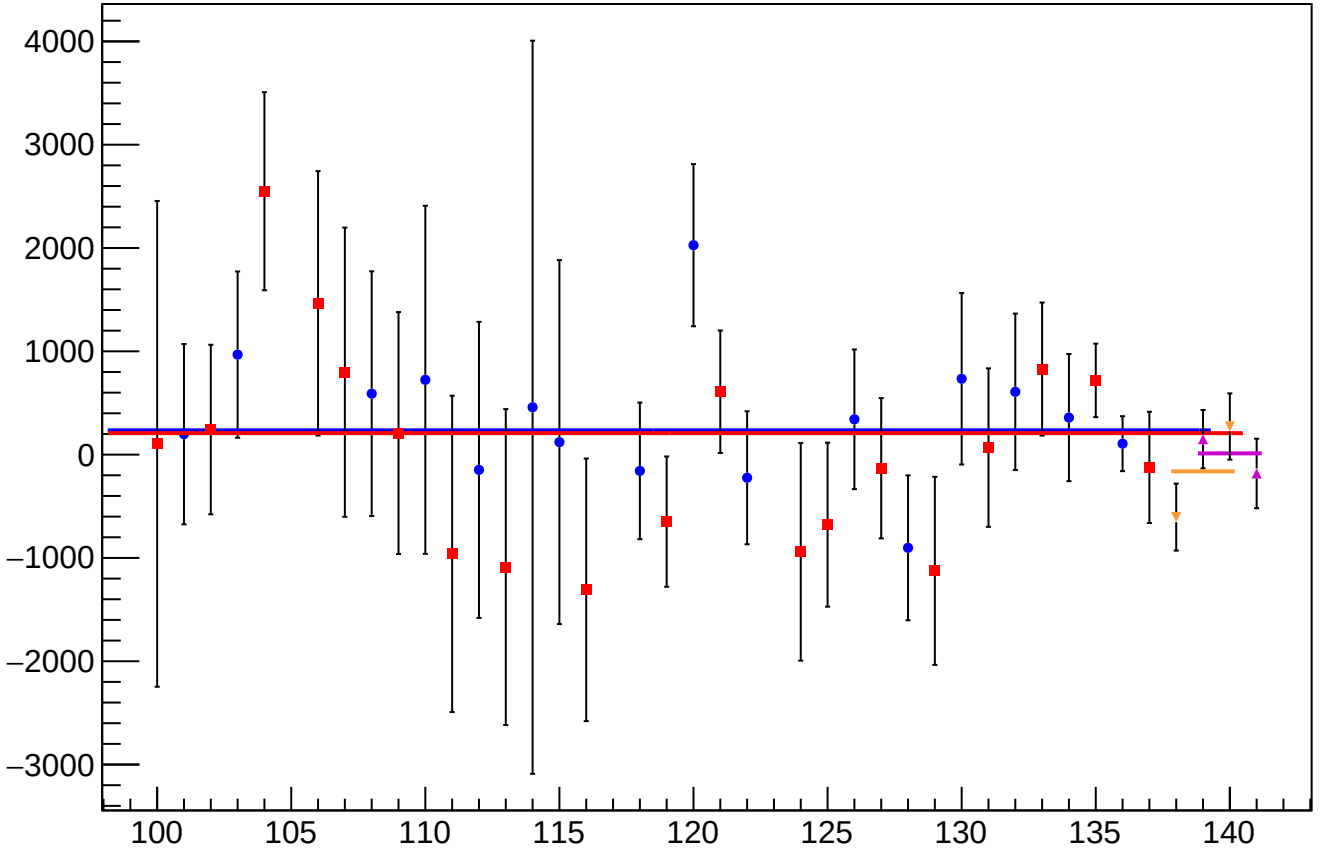
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 364.484+/-0.094 χ^2/NDF:2839472.1/17

Out: 382.712+/-0.098 χ^2/NDF:2898035.2/20

All: 373.192+/-0.068 χ^2/NDF: 5755526.3/38

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -161.743+/-227.865 χ^2/NDF:3.7/1

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: 12.190+/-216.464 χ^2/NDF:0.6/1

Left: -70.317+/-156.939 χ^2/NDF: 4.6/3

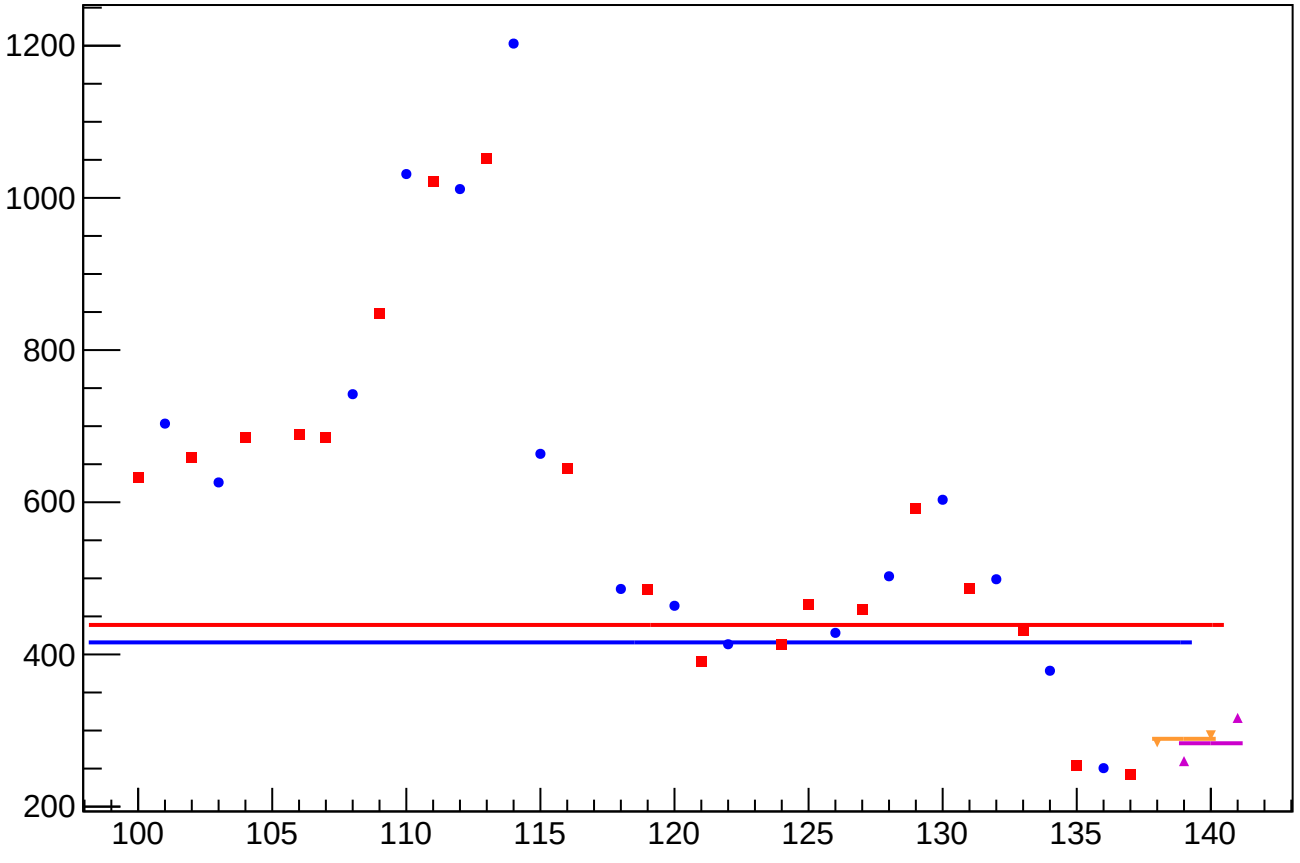
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 151.152+/-132.816 χ^2/NDF:11.9/17

Out: 71.066+/-138.650 χ^2/NDF:25.7/20

All: 112.829+/-95.911 χ^2/NDF: 37.8/38

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 289.129+/-0.161 χ^2/NDF:819.6/1

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 283.283+/-0.153 χ^2/NDF:33376.5/1

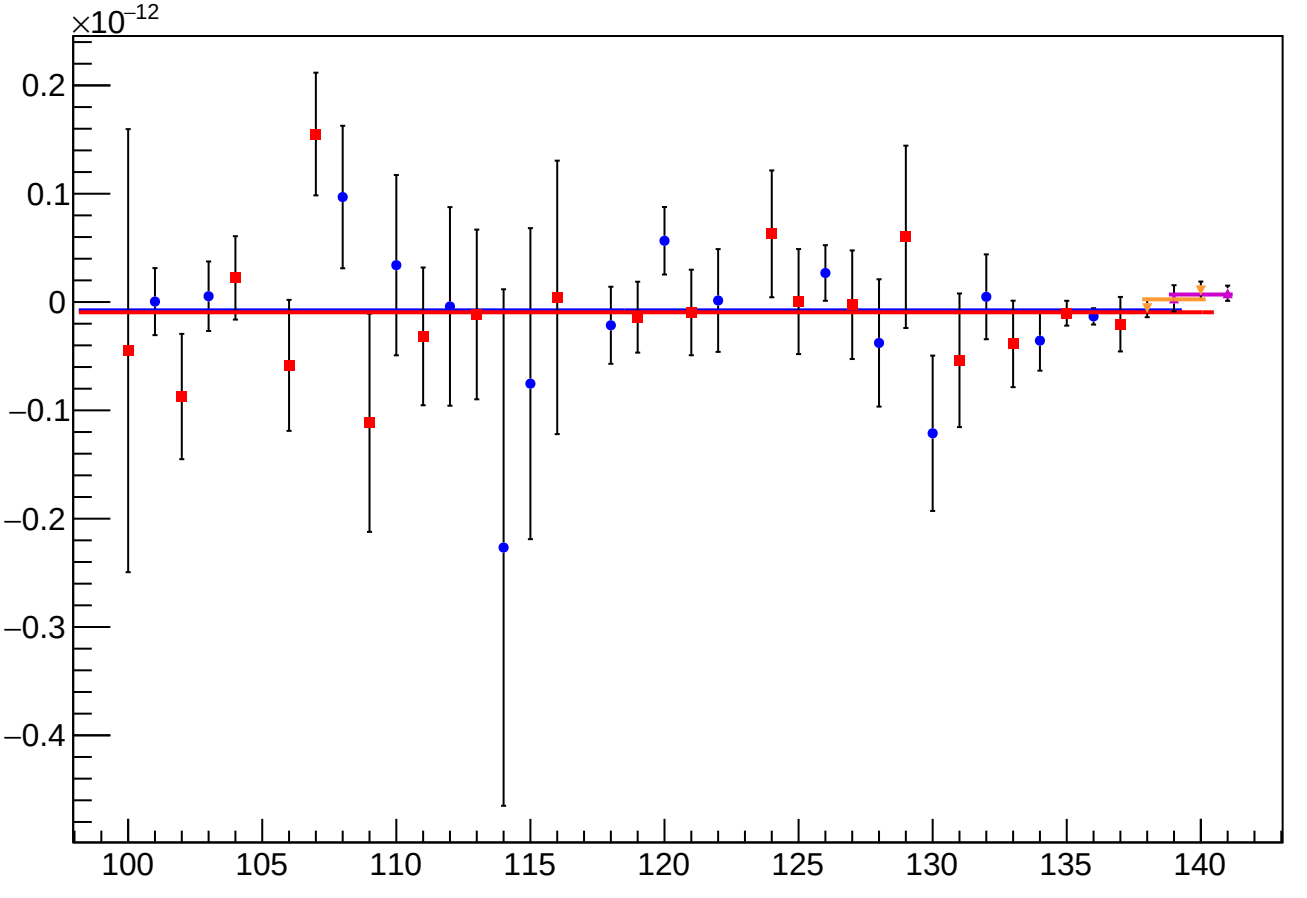
Left: 286.056+/-0.111 χ^2/NDF: 34888.1/3

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 365.936+/-0.094 χ^2/NDF:2724970.6/17

Out: 383.369+/-0.098 χ^2/NDF:2778805.0/20

All: 374.278+/-0.068 χ^2/NDF: 5520263.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

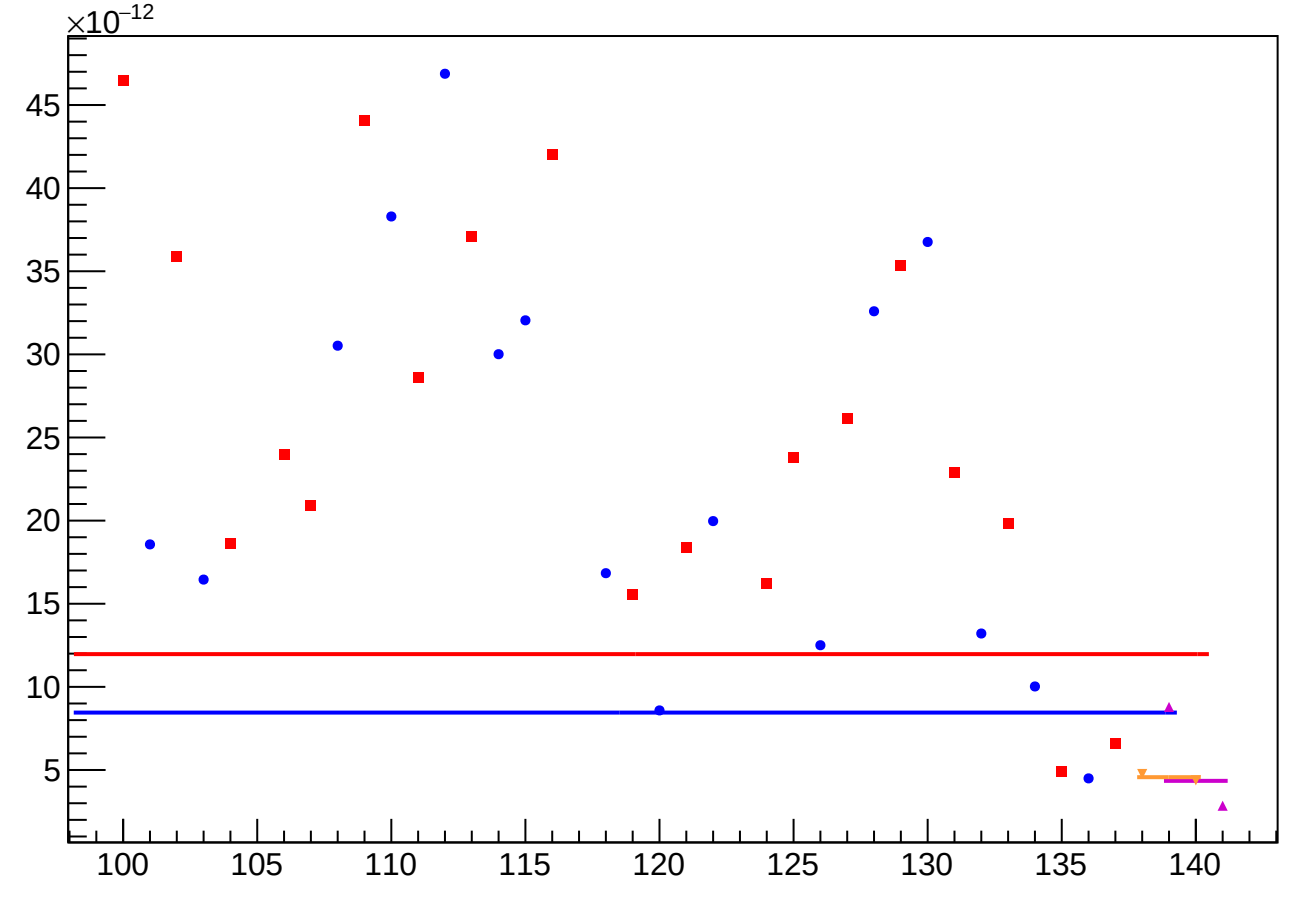
Left: 0.000+/-0.000 χ^2/NDF: 2.4/3

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:17.7/17

Out: -0.000+/-0.000 χ^2/NDF:19.7/20

All: -0.000+/-0.000 χ^2/NDF: 37.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2165.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:360168.0/1

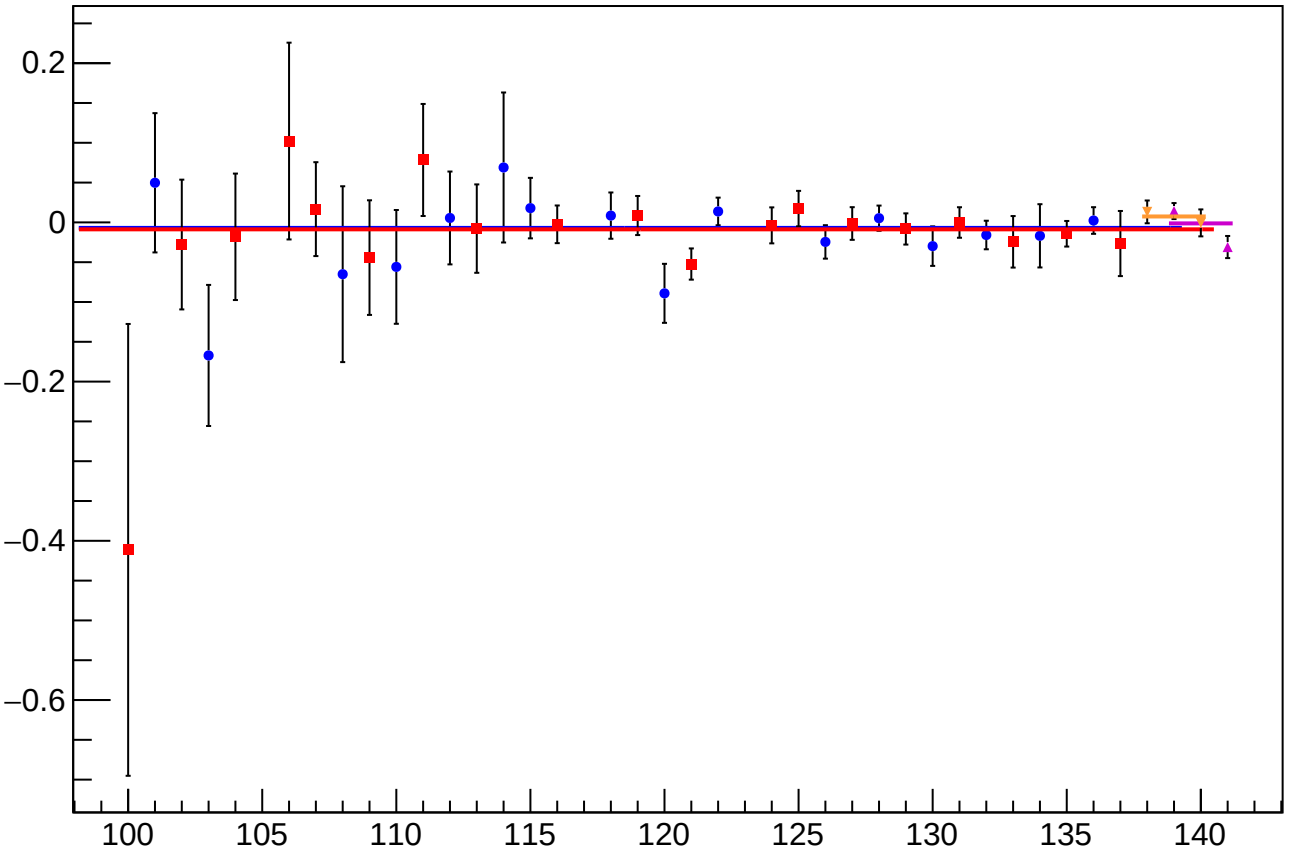
Left: 0.000+/-0.000 χ^2/NDF: 363711.1/3

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:3566810.3/17

Out: 0.000+/-0.000 χ^2/NDF:3853816.7/20

All: 0.000+/-0.000 χ^2/NDF: 7444348.6/38



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.011 χ^2/NDF:0.4/1

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.008 χ^2/NDF:6.9/1

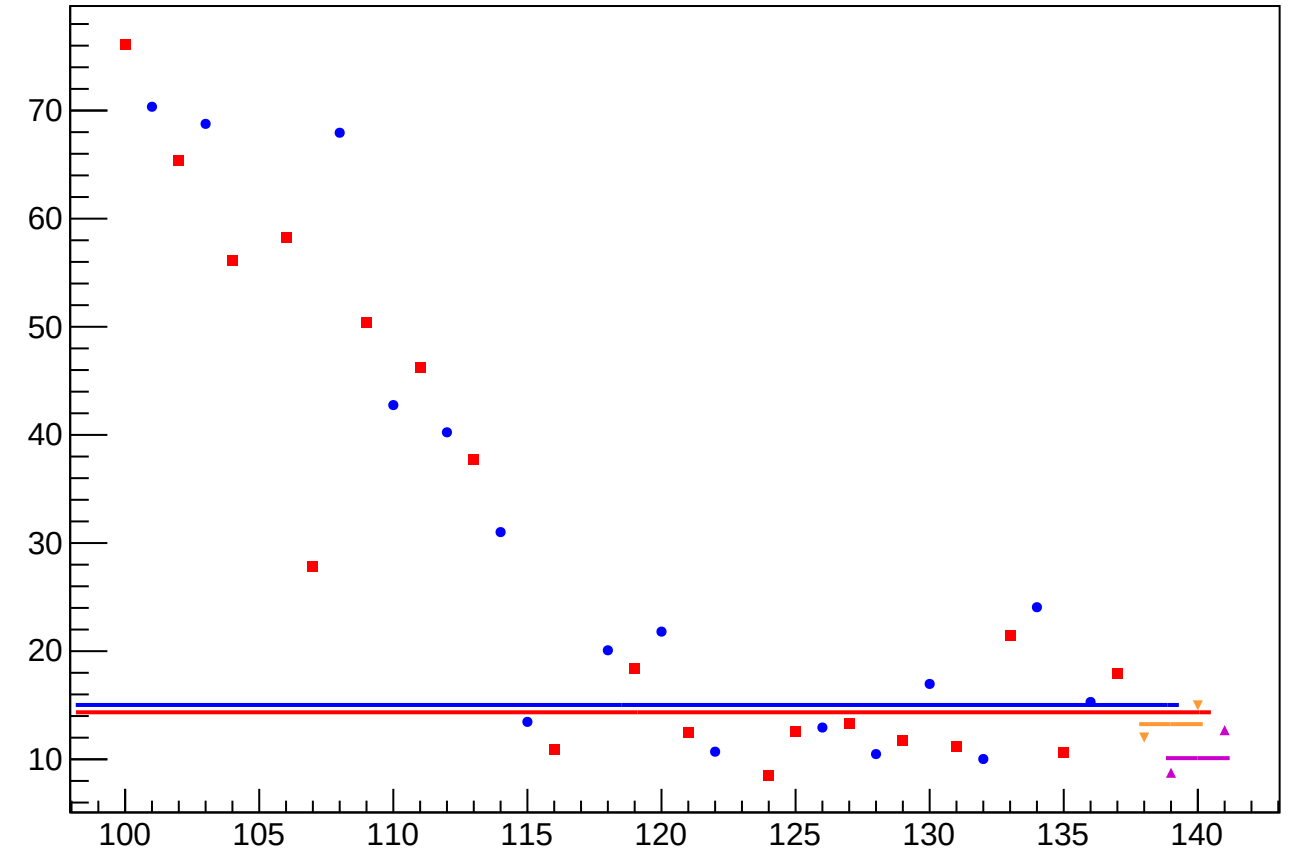
Left: 0.002+/-0.007 χ^2/NDF: 7.7/3

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.005 χ^2/NDF:22.2/17

Out: -0.005+/-0.006 χ^2/NDF:14.7/20

All: -0.005+/-0.004 χ^2/NDF: 36.8/38



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 13.251+/-0.008 χ^2/NDF:35964.2/1

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 10.108+/-0.006 χ^2/NDF:105359.6/1

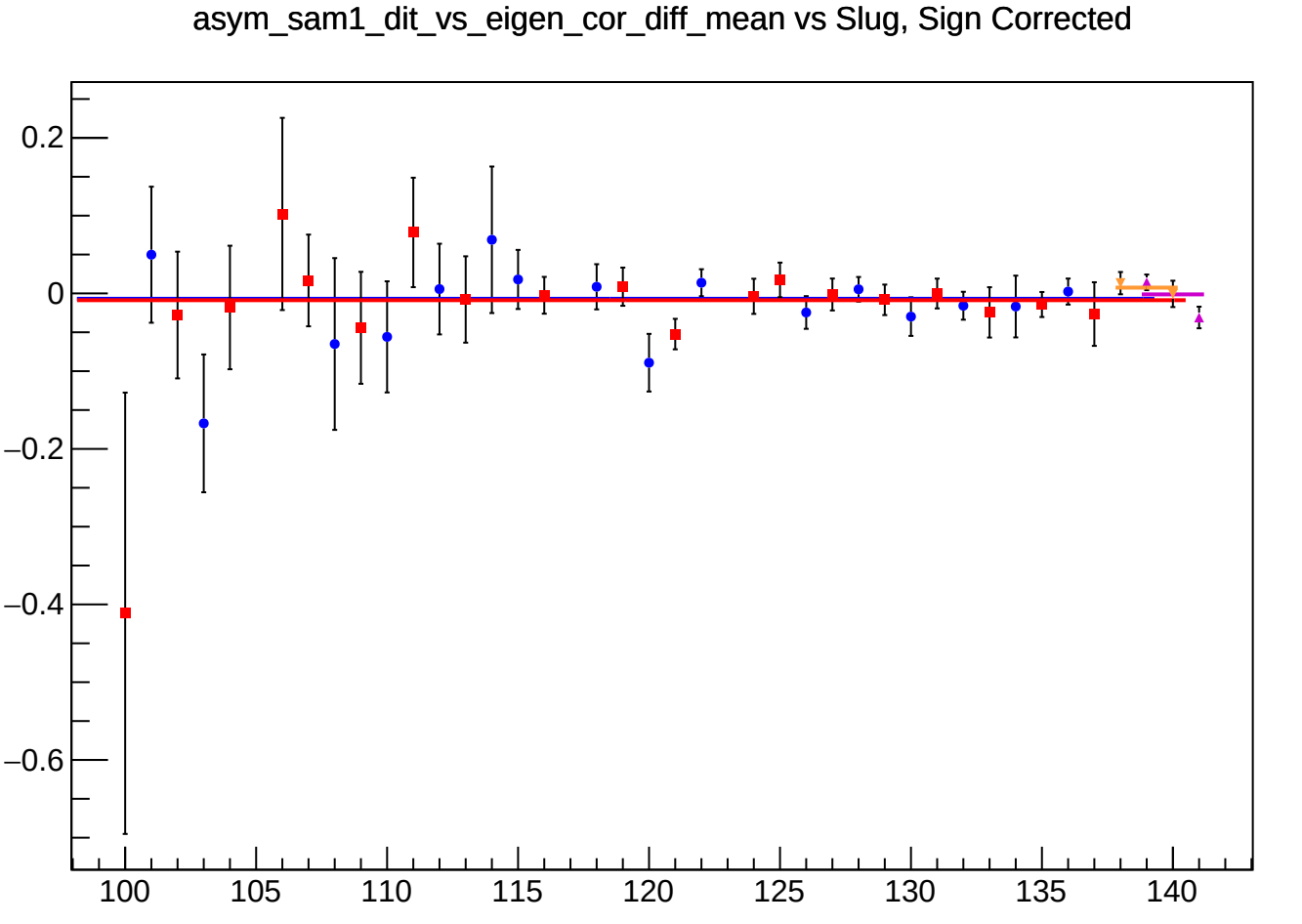
Left: 11.229+/-0.005 χ^2/NDF: 247763.6/3

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.027+/-0.004 χ^2/NDF:3977225.8/17

Out: 14.069+/-0.004 χ^2/NDF:3679997.4/20

All: 13.517+/-0.003 χ^2/NDF: 7695092.9/38



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.011 χ^2/NDF:0.4/1

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.008 χ^2/NDF:6.9/1

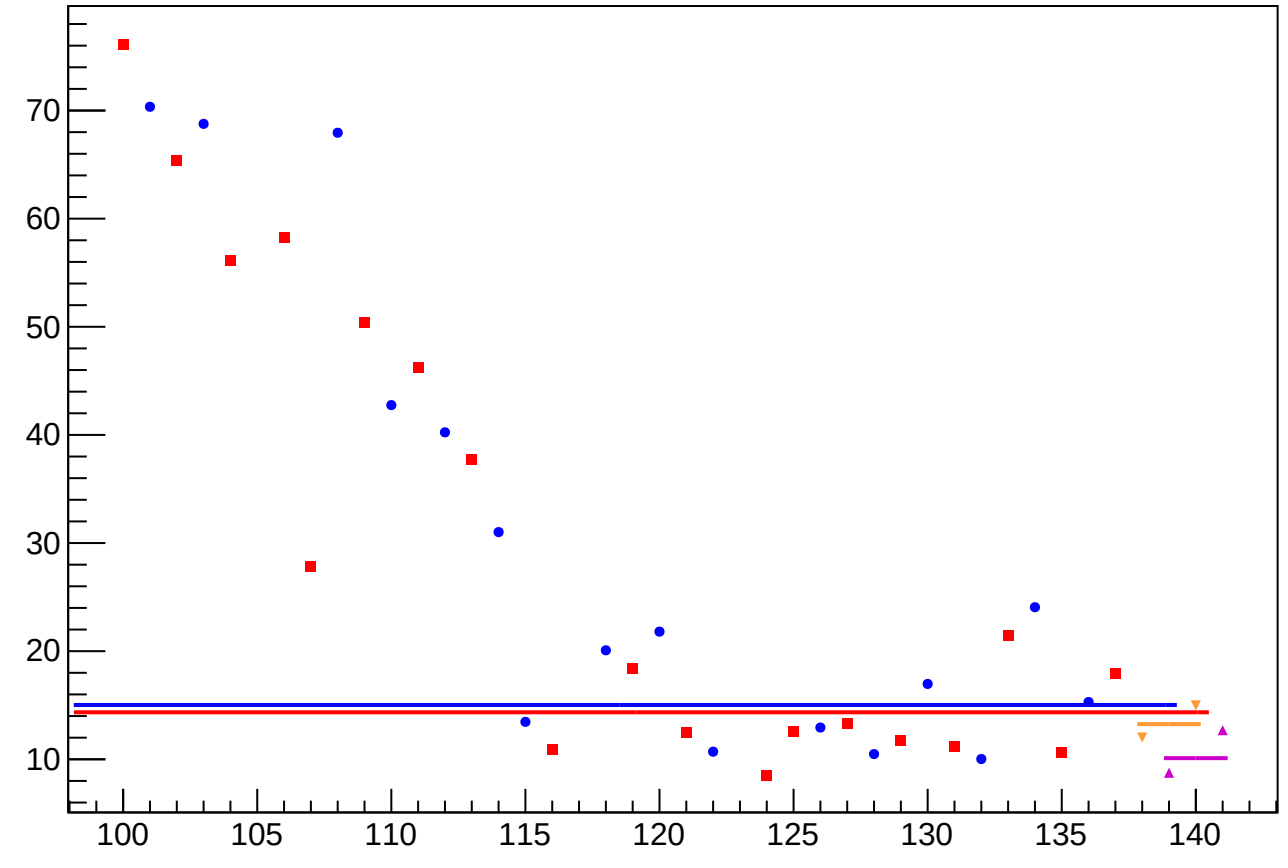
Left: 0.002+/-0.007 χ^2/NDF: 7.7/3

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.005 χ^2/NDF:22.2/17

Out: -0.005+/-0.006 χ^2/NDF:14.7/20

All: -0.005+/-0.004 χ^2/NDF: 36.8/38



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 13.251+/-0.008 χ^2/NDF:35964.2/1

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 10.108+/-0.006 χ^2/NDF:105359.6/1

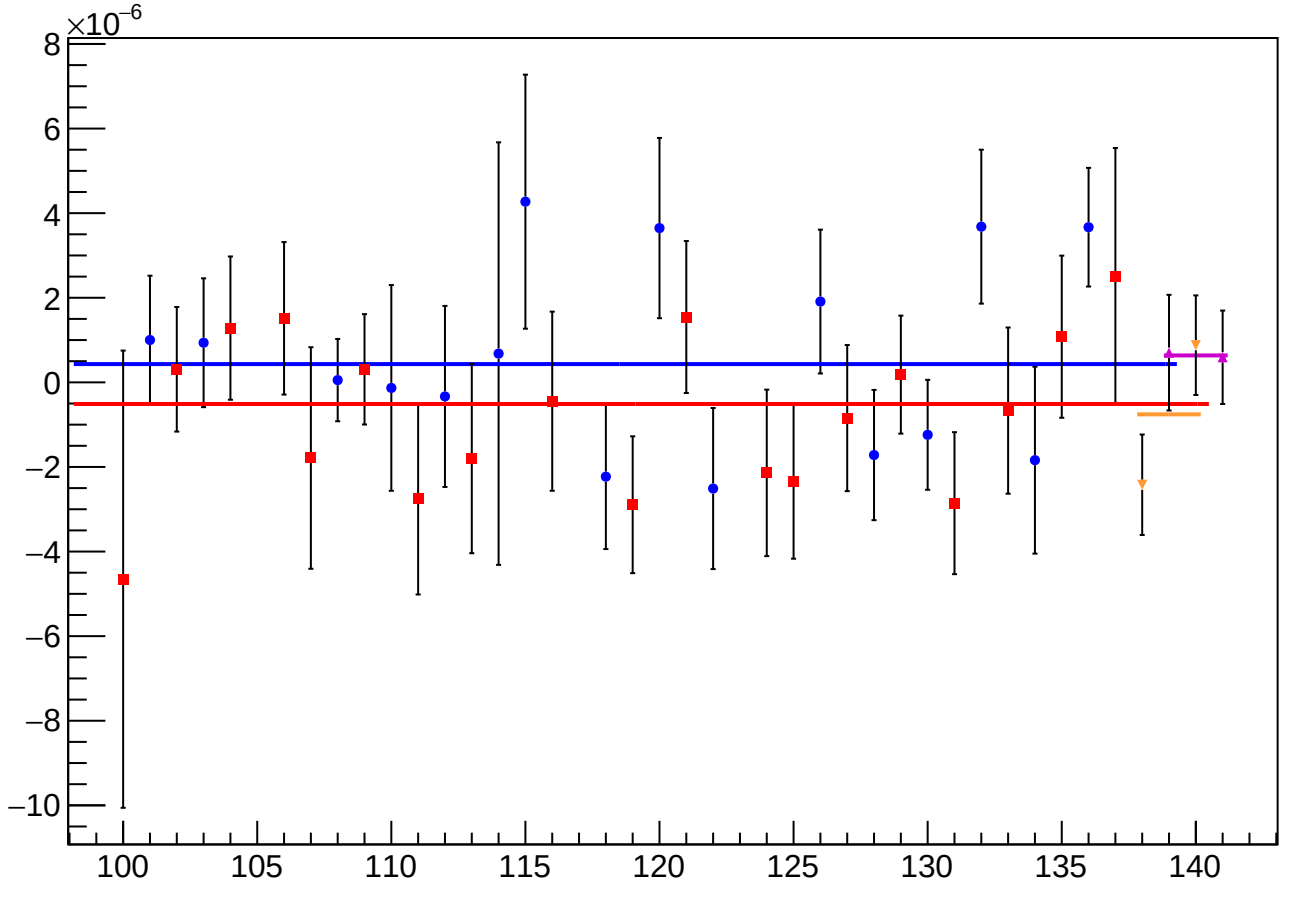
Left: 11.229+/-0.005 χ^2/NDF: 247763.6/3

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.027+/-0.004 χ^2/NDF:3977225.8/17

Out: 14.069+/-0.004 χ^2/NDF:3679997.4/20

All: 13.517+/-0.003 χ^2/NDF: 7695092.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

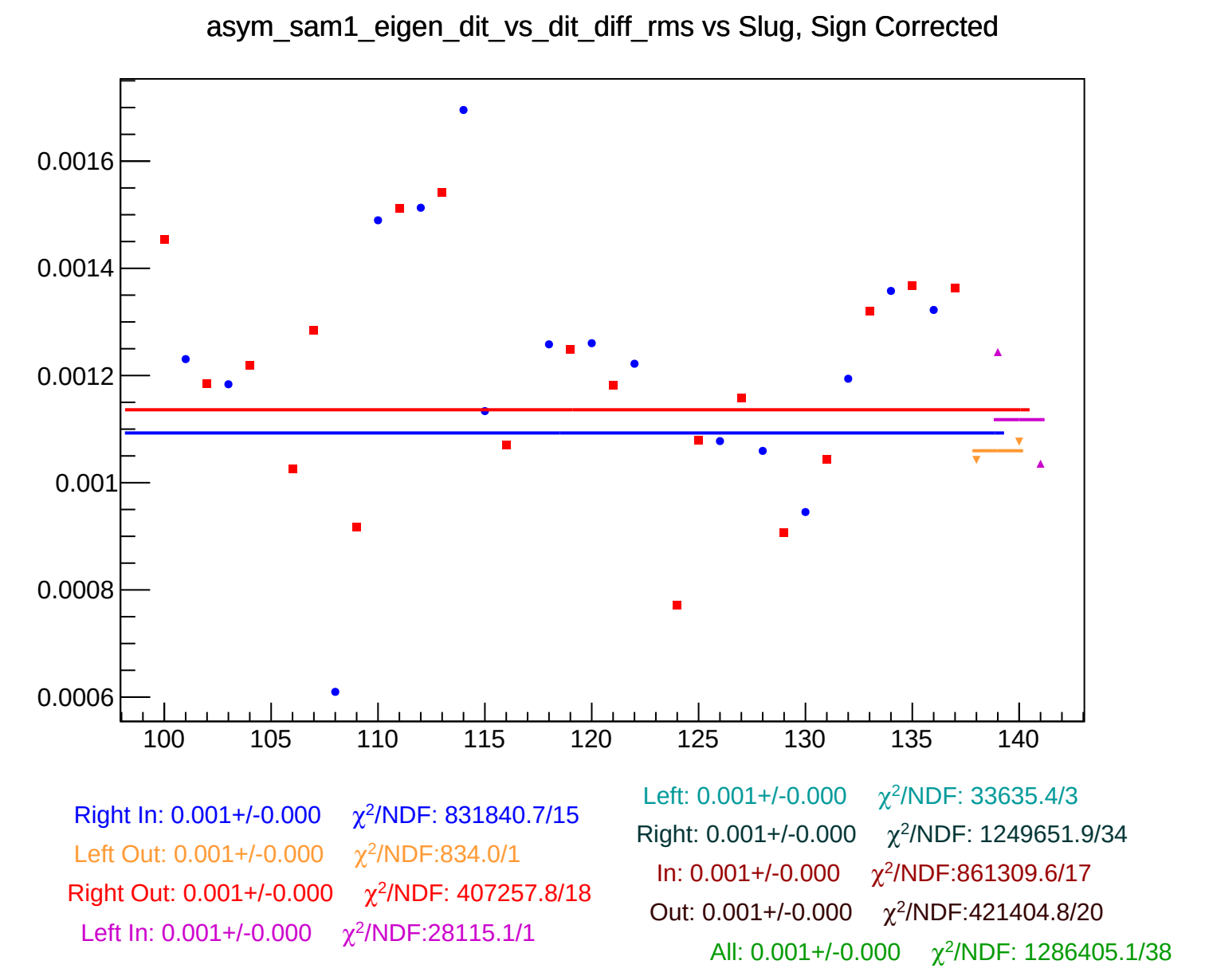
Left: -0.000+/-0.000 χ^2/NDF: 5.2/3

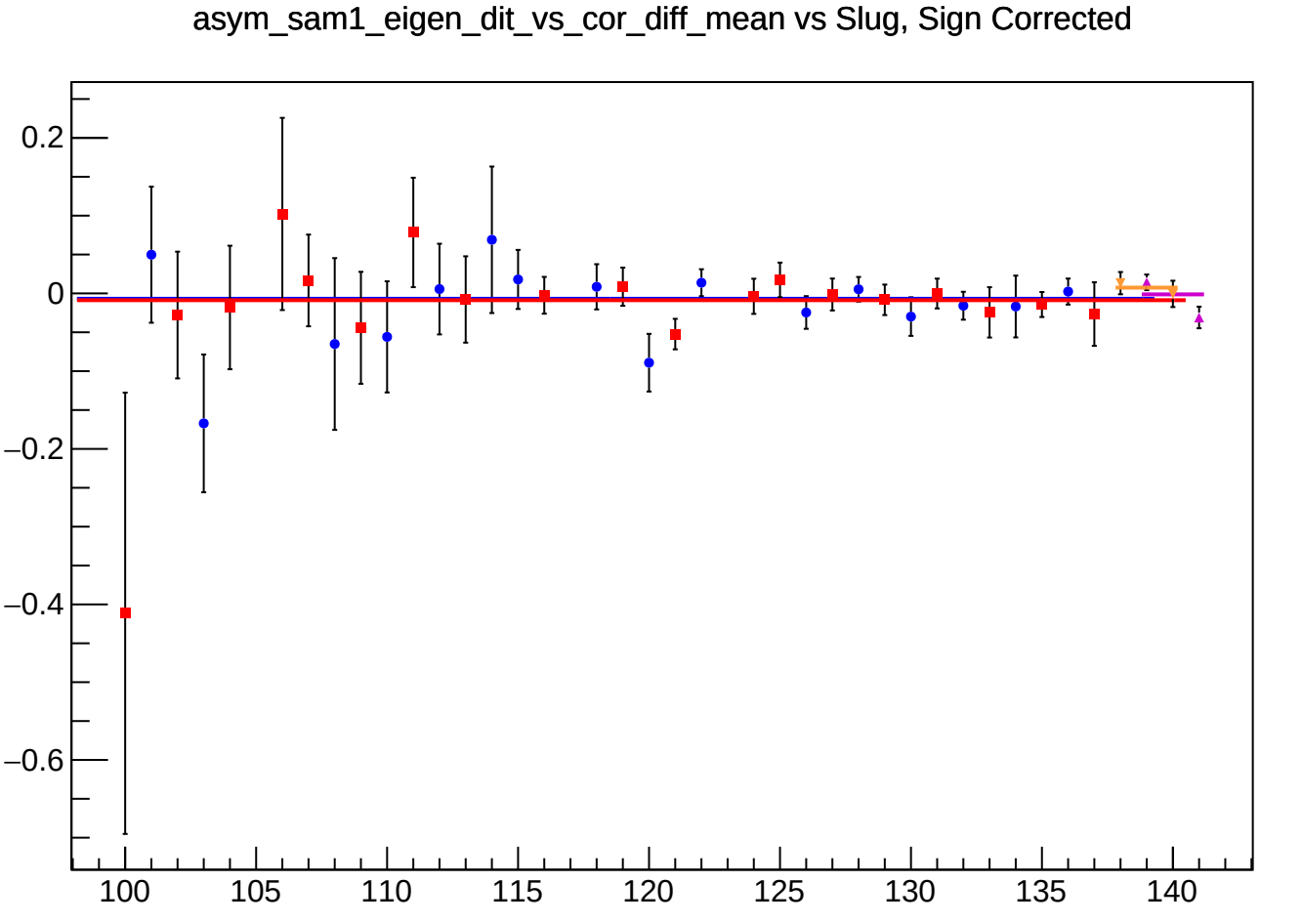
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:23.3/17

Out: -0.000+/-0.000 χ^2/NDF:18.3/20

All: -0.000+/-0.000 χ^2/NDF: 45.3/38


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
105
110
115
120
125
130
135
140
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:834.0/1
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:28115.1/1
Left: 0.001+/-0.000 χ²/NDF: 33635.4/3
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:861309.6/17
Out: 0.001+/-0.000 χ²/NDF:421404.8/20
All: 0.001+/-0.000 χ²/NDF: 1286405.1/38



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.011 χ^2/NDF:0.4/1

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.008 χ^2/NDF:6.9/1

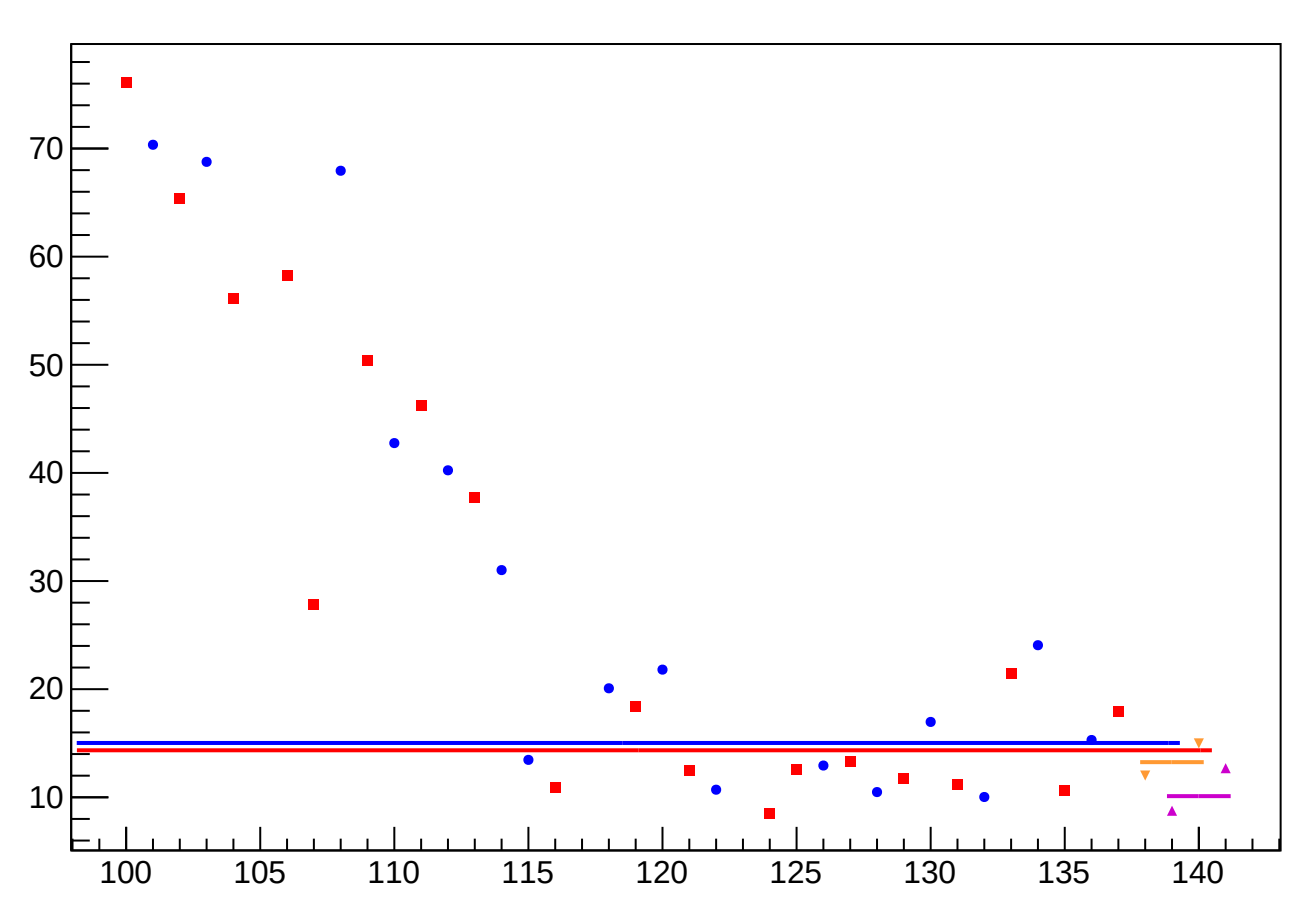
Left: 0.002+/-0.007 χ^2/NDF: 7.7/3

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.005 χ^2/NDF:22.2/17

Out: -0.005+/-0.006 χ^2/NDF:14.7/20

All: -0.005+/-0.004 χ^2/NDF: 36.8/38



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 13.251+/-0.008 χ^2/NDF:35967.4/1

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 10.108+/-0.006 χ^2/NDF:105368.1/1

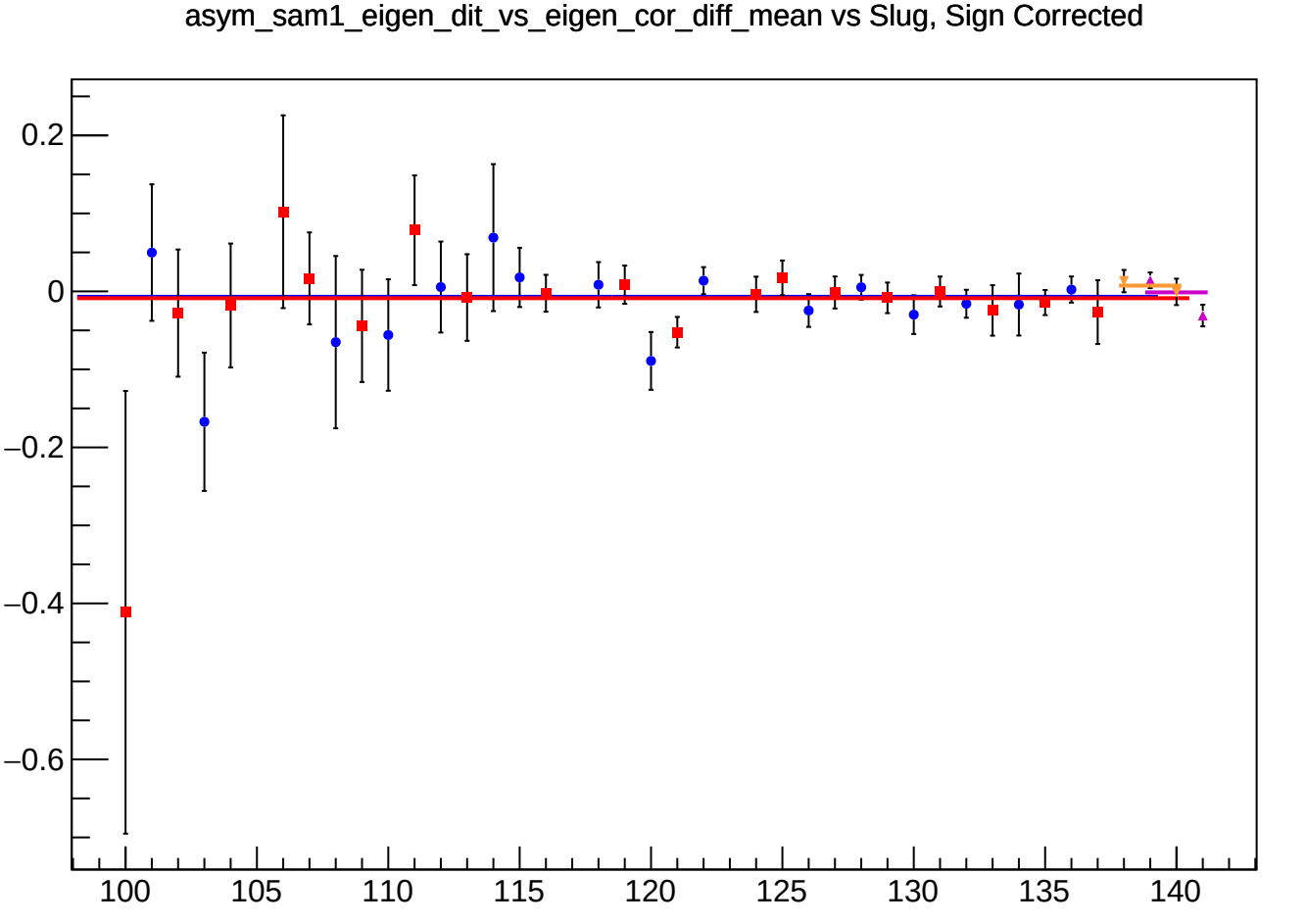
Left: 11.229+/-0.005 χ^2/NDF: 247780.3/3

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.027+/-0.004 χ^2/NDF:3977232.1/17

Out: 14.069+/-0.004 χ^2/NDF:3679987.1/20

All: 13.516+/-0.003 χ^2/NDF: 7695092.9/38



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.011 χ^2/NDF:0.4/1

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.008 χ^2/NDF:6.9/1

Left: 0.002+/-0.007 χ^2/NDF: 7.7/3

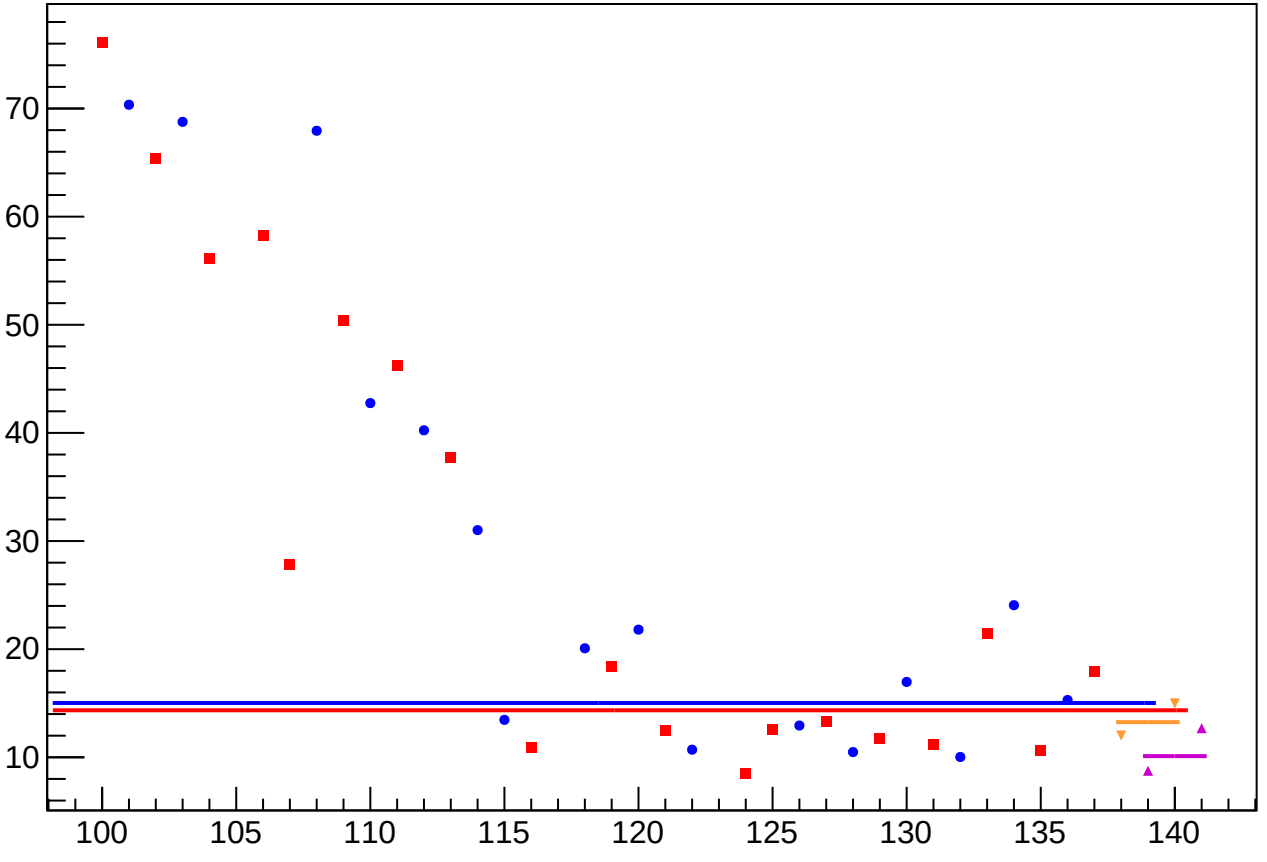
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.005 χ^2/NDF:22.2/17

Out: -0.005+/-0.006 χ^2/NDF:14.7/20

All: -0.005+/-0.004 χ^2/NDF: 36.8/38

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 13.251+/-0.008 χ^2/NDF:35967.4/1

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 10.108+/-0.006 χ^2/NDF:105368.1/1

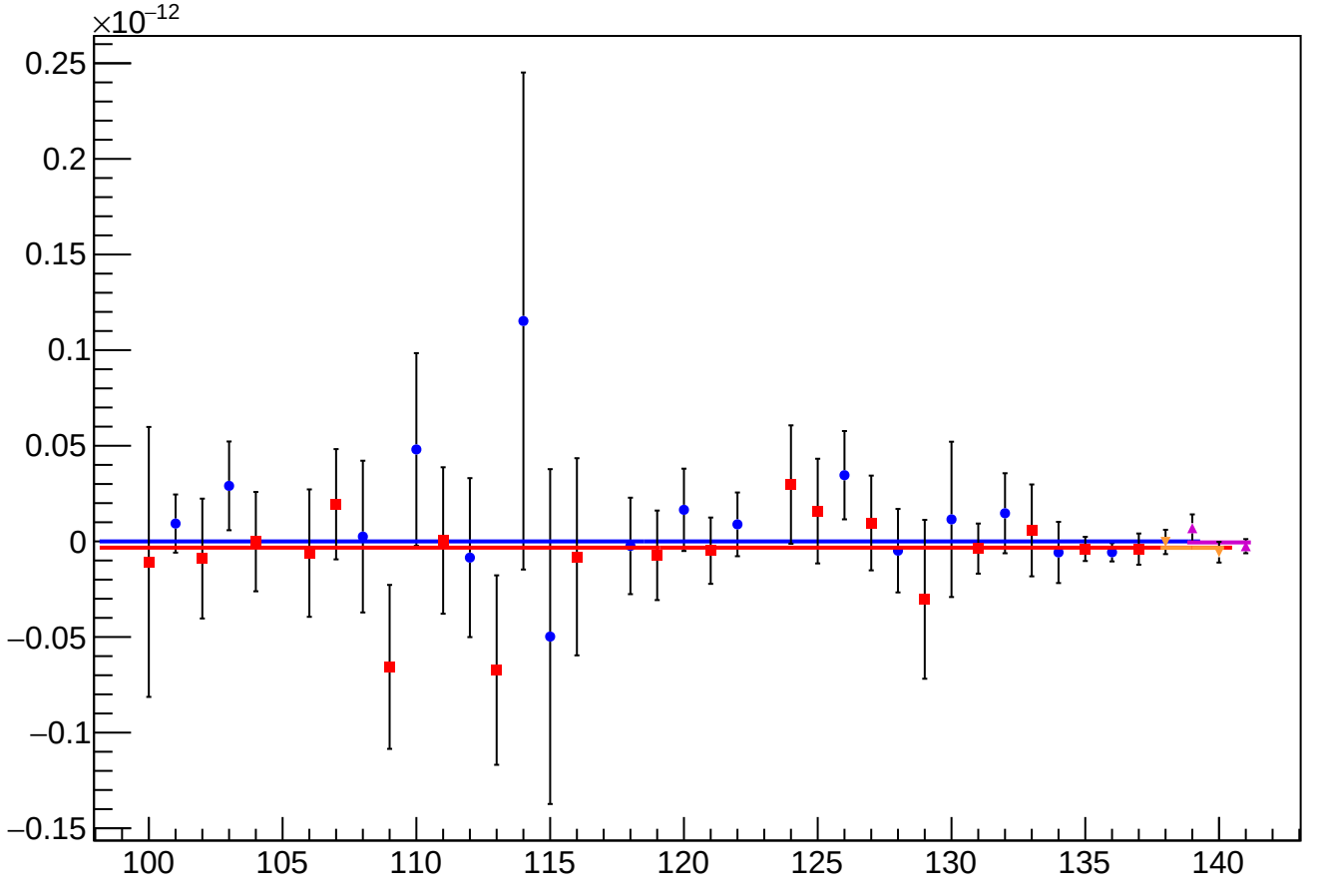
Left: 11.229+/-0.005 χ^2/NDF: 247780.3/3

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.027+/-0.004 χ^2/NDF:3977232.1/17

Out: 14.069+/-0.004 χ^2/NDF:3679987.1/20

All: 13.516+/-0.003 χ^2/NDF: 7695092.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/1

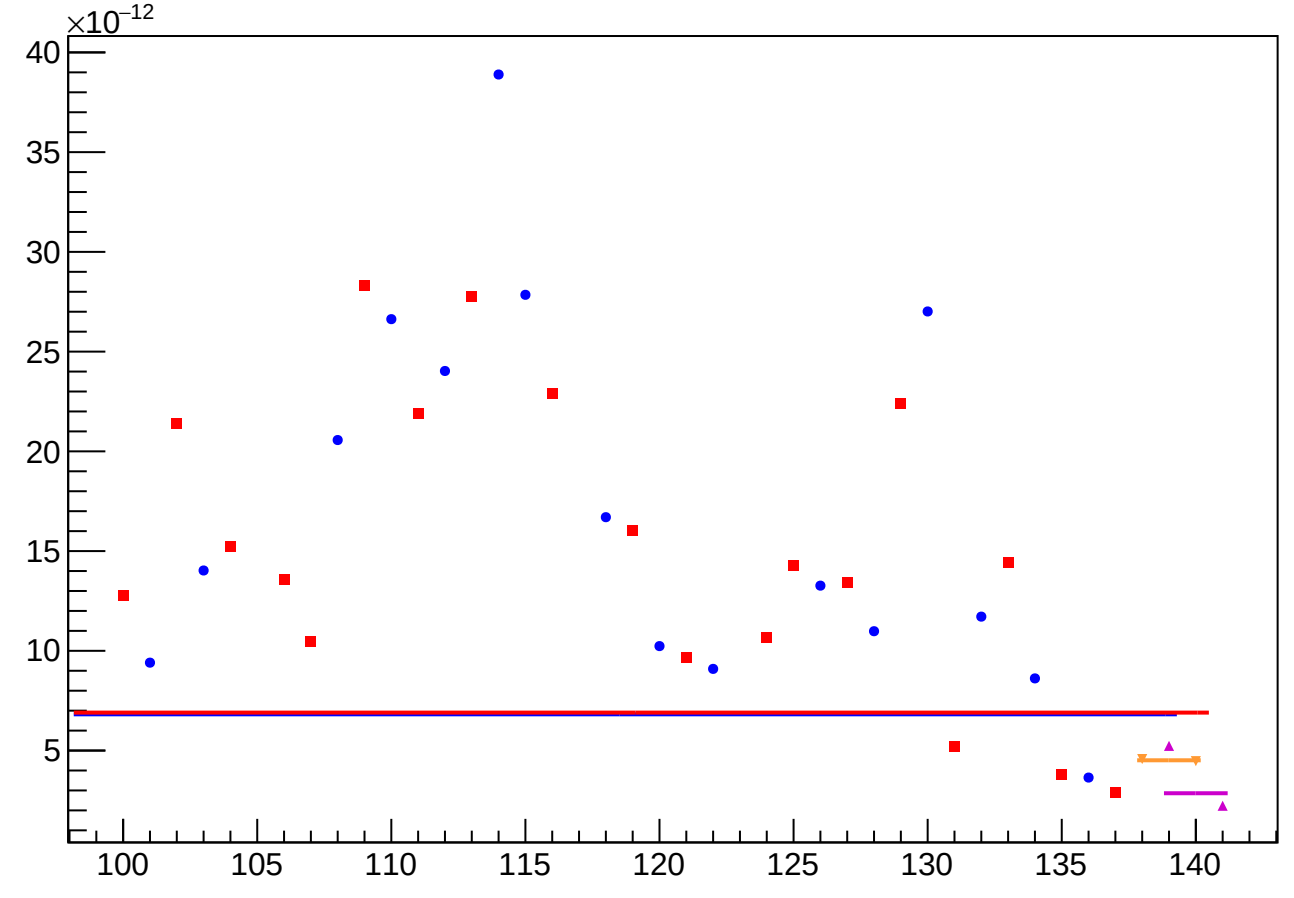
Left: -0.000+/-0.000 χ^2/NDF: 2.0/3

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:10.7/17

Out: -0.000+/-0.000 χ^2/NDF:7.4/20

All: -0.000+/-0.000 χ^2/NDF: 18.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:318.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

Left In: 0.000+/-0.000 χ^2/NDF:274305.6/1

Left: 0.000+/-0.000 χ^2/NDF: 470375.0/3

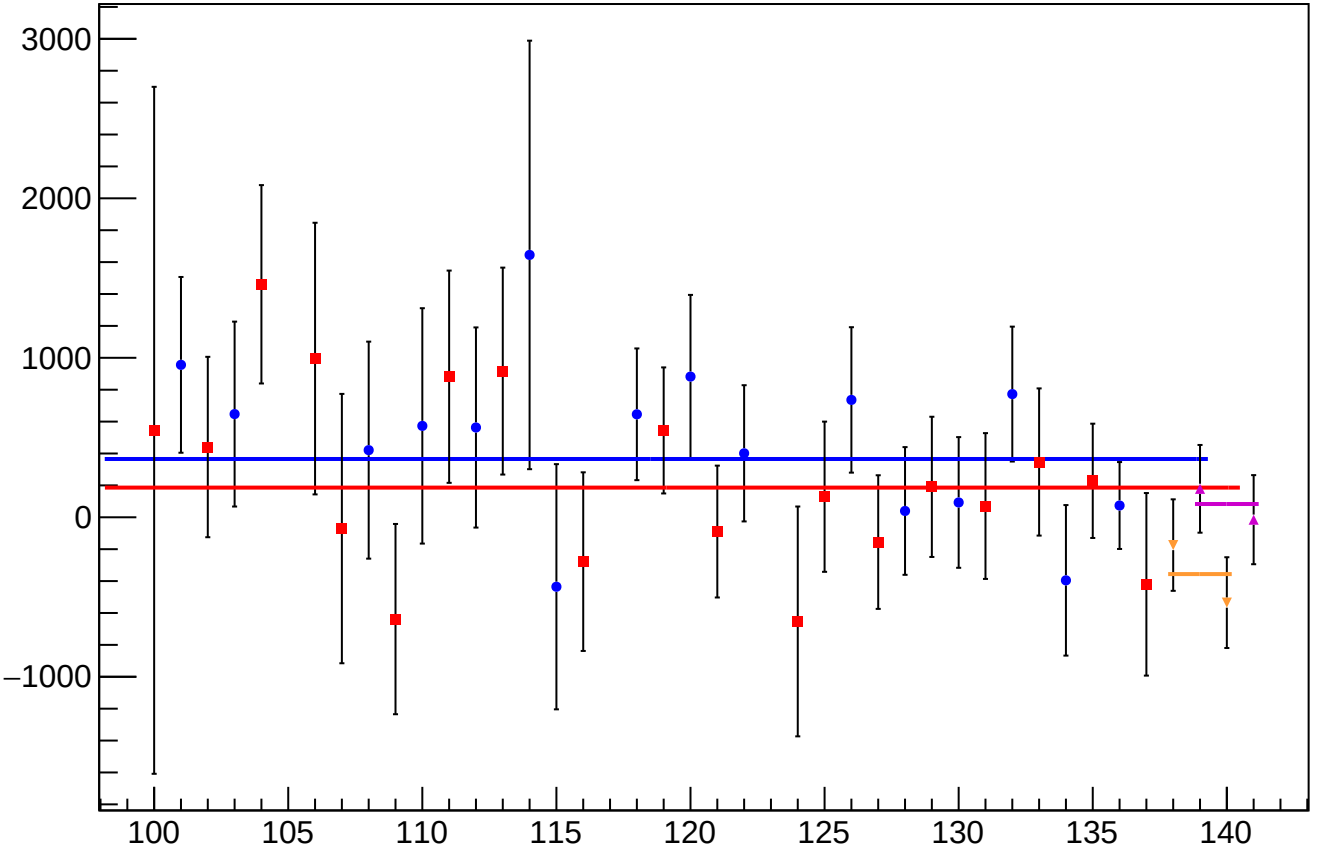
Right: 0.000+/-0.000 χ^2/NDF: 7753131.5/34

In: 0.000+/-0.000 χ^2/NDF:5027821.6/17

Out: 0.000+/-0.000 χ^2/NDF:4591937.1/20

All: 0.000+/-0.000 χ^2/NDF: 9819835.5/38

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -356.107+/-202.032 χ^2/NDF:0.8/1

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: 83.261+/-195.985 χ^2/NDF:0.2/1

Left: -129.749+/-140.671 χ^2/NDF: 3.5/3

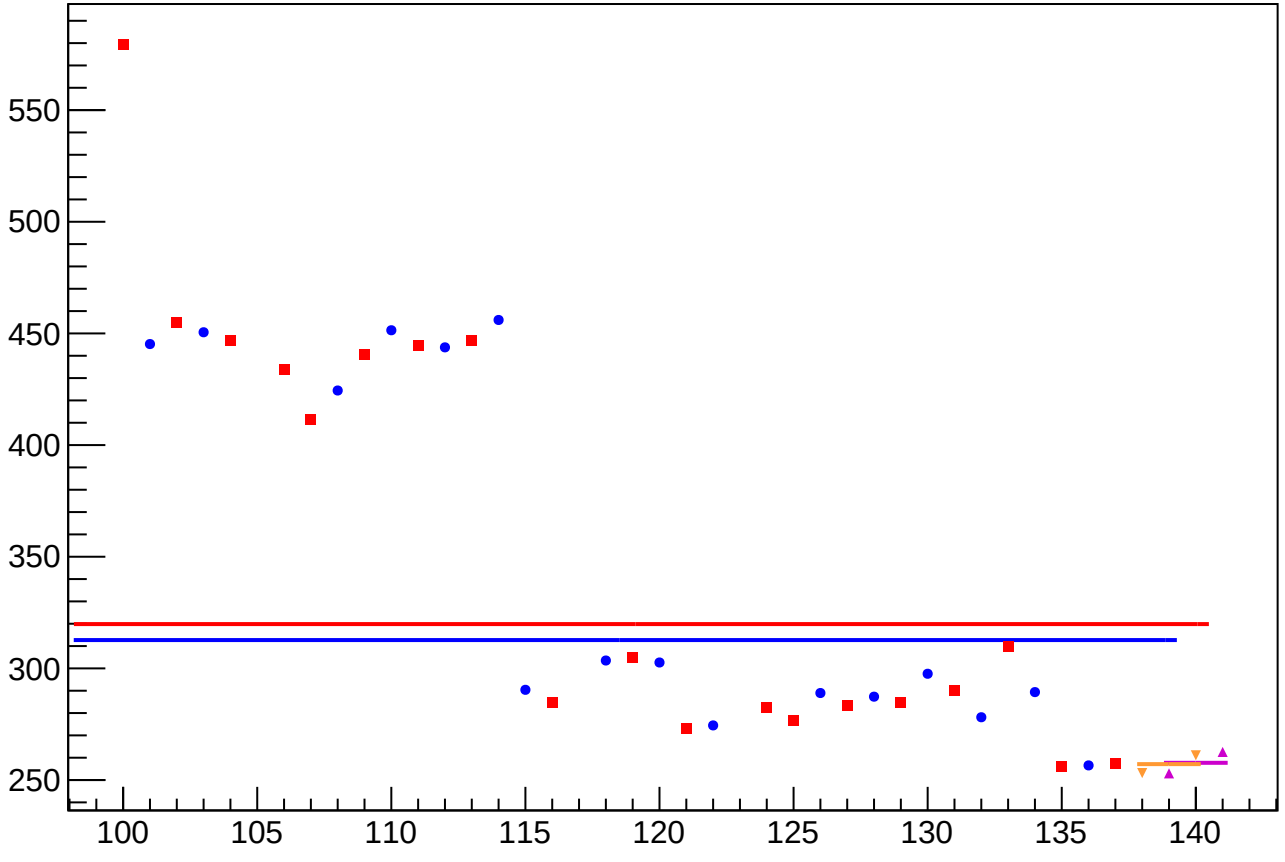
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 289.621+/-101.638 χ^2/NDF:13.2/17

Out: 44.401+/-103.292 χ^2/NDF:21.1/20

All: 168.990+/-72.447 χ^2/NDF: 37.2/38

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 257.130+/-0.143 χ^2/NDF:774.0/1

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 257.716+/-0.139 χ^2/NDF:1198.6/1

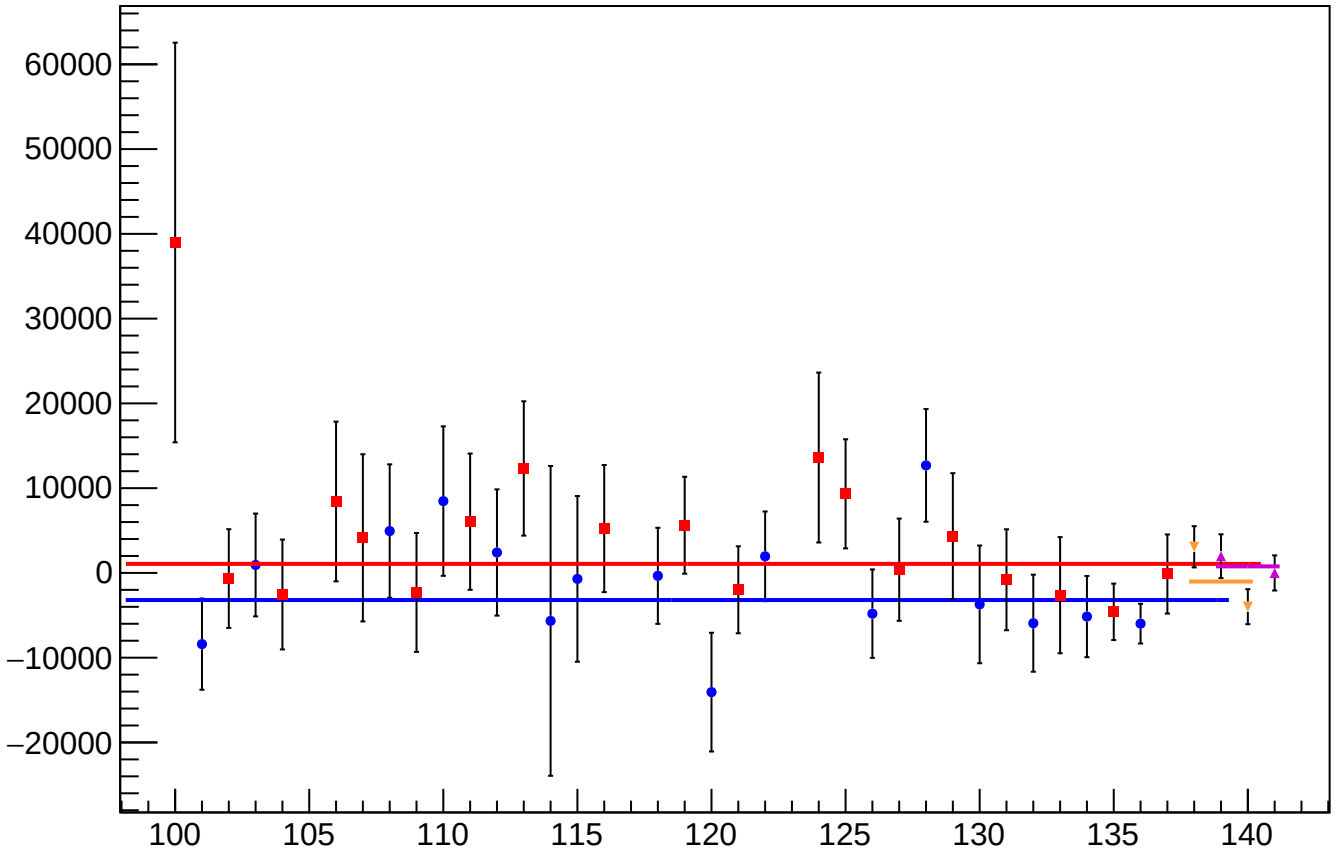
Left: 257.432+/-0.099 χ^2/NDF: 1981.2/3

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 297.900+/-0.072 χ^2/NDF:718415.4/17

Out: 303.449+/-0.073 χ^2/NDF:840976.7/20

All: 300.629+/-0.051 χ^2/NDF: 1562324.7/38



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1019.604+/-1574.007 χ^2/NDF:4.9/1

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: 770.881+/-1617.166 χ^2/NDF:0.4/1

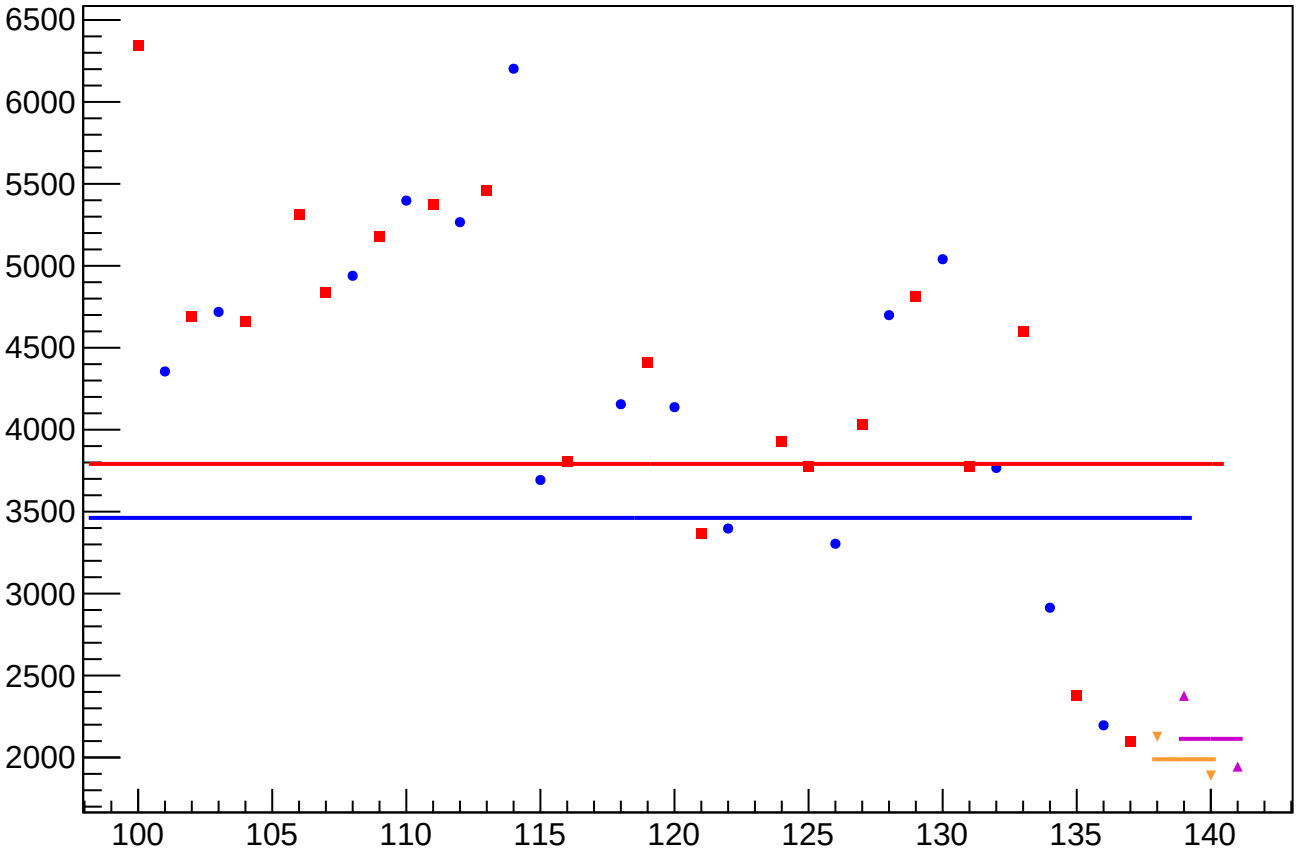
Left: -148.573+/-1127.941 χ^2/NDF: 5.9/3

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -1563.062+/-1038.076 χ^2/NDF:20.0/17

Out: 113.323+/-1063.790 χ^2/NDF:20.3/20

All: -745.374+/-742.955 χ^2/NDF: 41.5/38



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1989.045+/-1.113 χ^2/NDF:11031.6/1

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2113.692+/-1.144 χ^2/NDF:33968.2/1

Left: 2049.683+/-0.798 χ^2/NDF: 51101.4/3

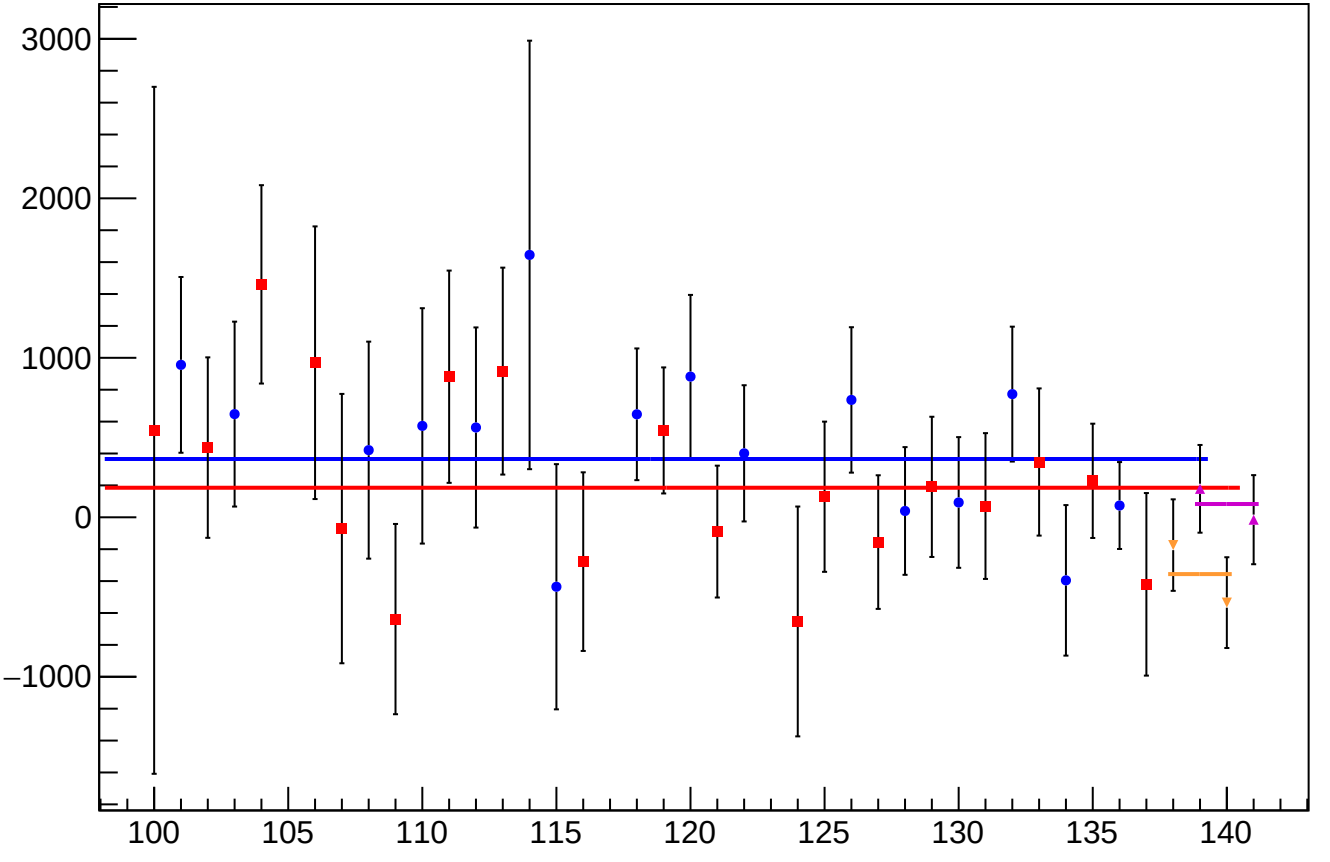
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2906.388+/-0.734 χ^2/NDF:2160869.9/17

Out: 2968.032+/-0.752 χ^2/NDF:2591042.0/20

All: 2936.456+/-0.525 χ^2/NDF: 4755351.9/38

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -356.096+/-202.032 χ^2/NDF:0.8/1

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 83.287+/-195.985 χ^2/NDF:0.2/1

Left: -129.731+/-140.671 χ^2/NDF: 3.5/3

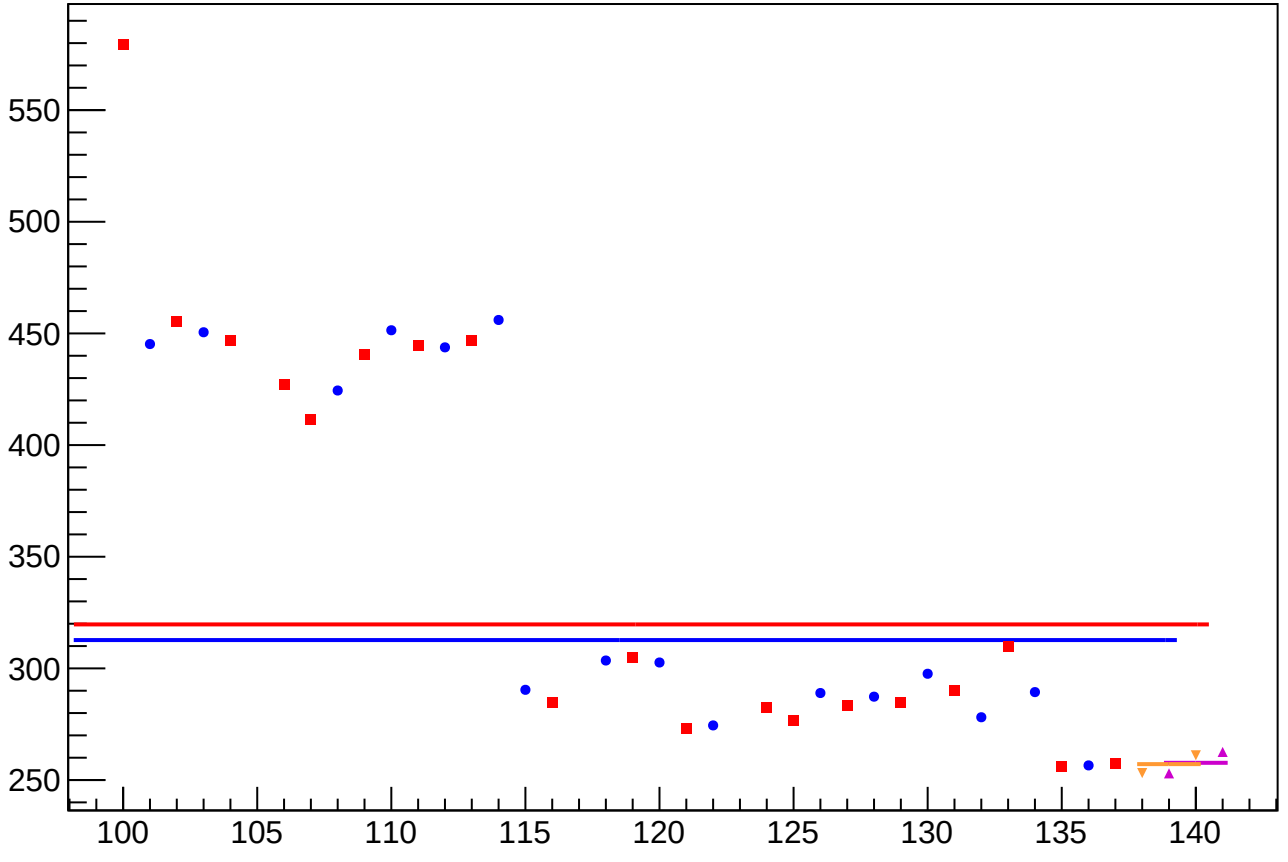
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 289.616+/-101.638 χ^2/NDF:13.2/17

Out: 43.786+/-103.299 χ^2/NDF:21.0/20

All: 168.693+/-72.449 χ^2/NDF: 37.2/38

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 257.130+/-0.143 χ^2/NDF:774.0/1

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 257.716+/-0.139 χ^2/NDF:1198.6/1

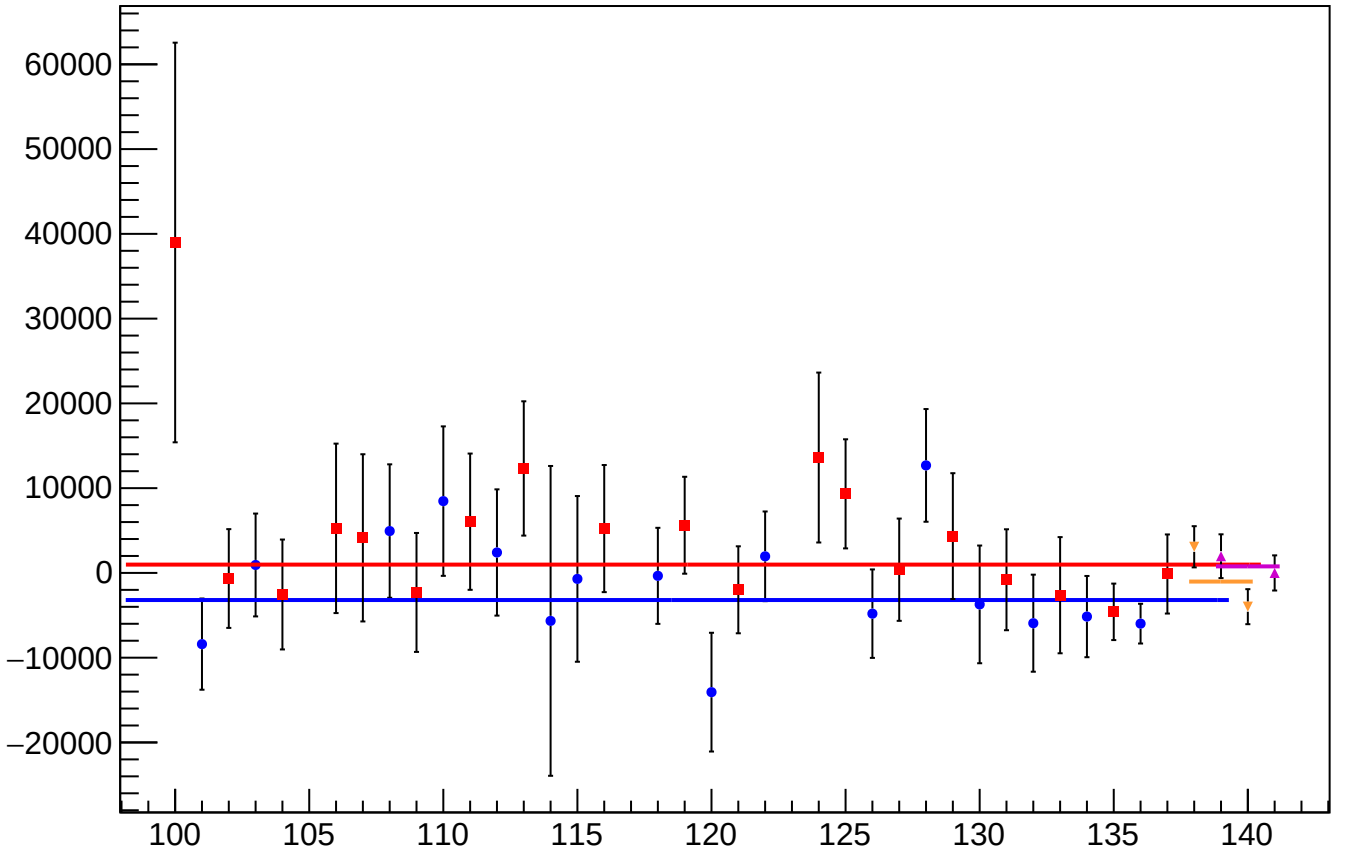
Left: 257.432+/-0.099 χ^2/NDF: 1981.2/3

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 297.900+/-0.072 χ^2/NDF:718416.9/17

Out: 303.337+/-0.073 χ^2/NDF:836134.3/20

All: 300.574+/-0.051 χ^2/NDF: 1557366.8/38



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1019.627+/-1574.007 χ^2/NDF:4.9/1

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 770.945+/-1617.167 χ^2/NDF:0.4/1

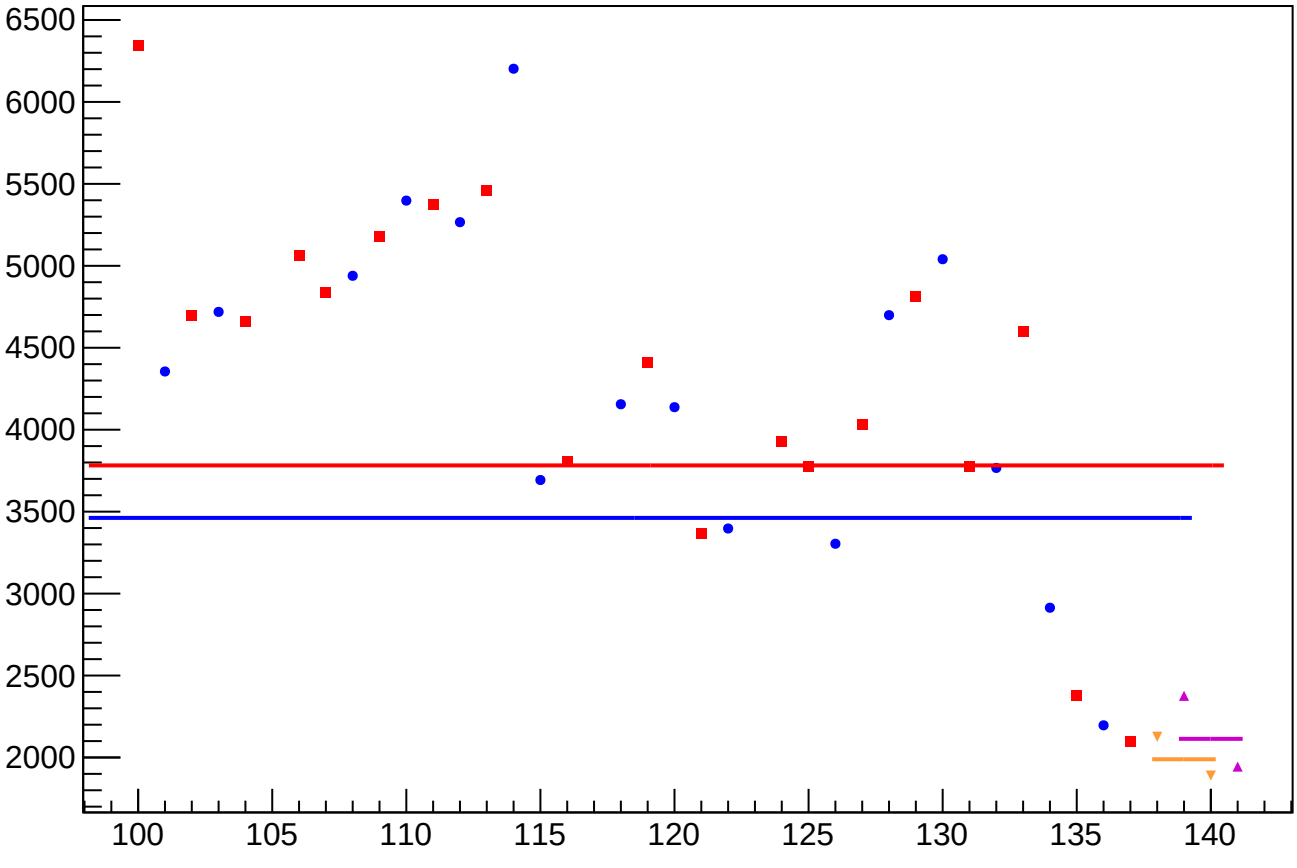
Left: -148.554+/-1127.941 χ^2/NDF: 5.9/3

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1562.992+/-1038.078 χ^2/NDF:20.0/17

Out: 65.805+/-1064.565 χ^2/NDF:19.7/20

All: -769.109+/-743.220 χ^2/NDF: 40.9/38



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1989.044+/-1.113 χ^2/NDF:11032.0/1

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2113.693+/-1.144 χ^2/NDF:33968.1/1

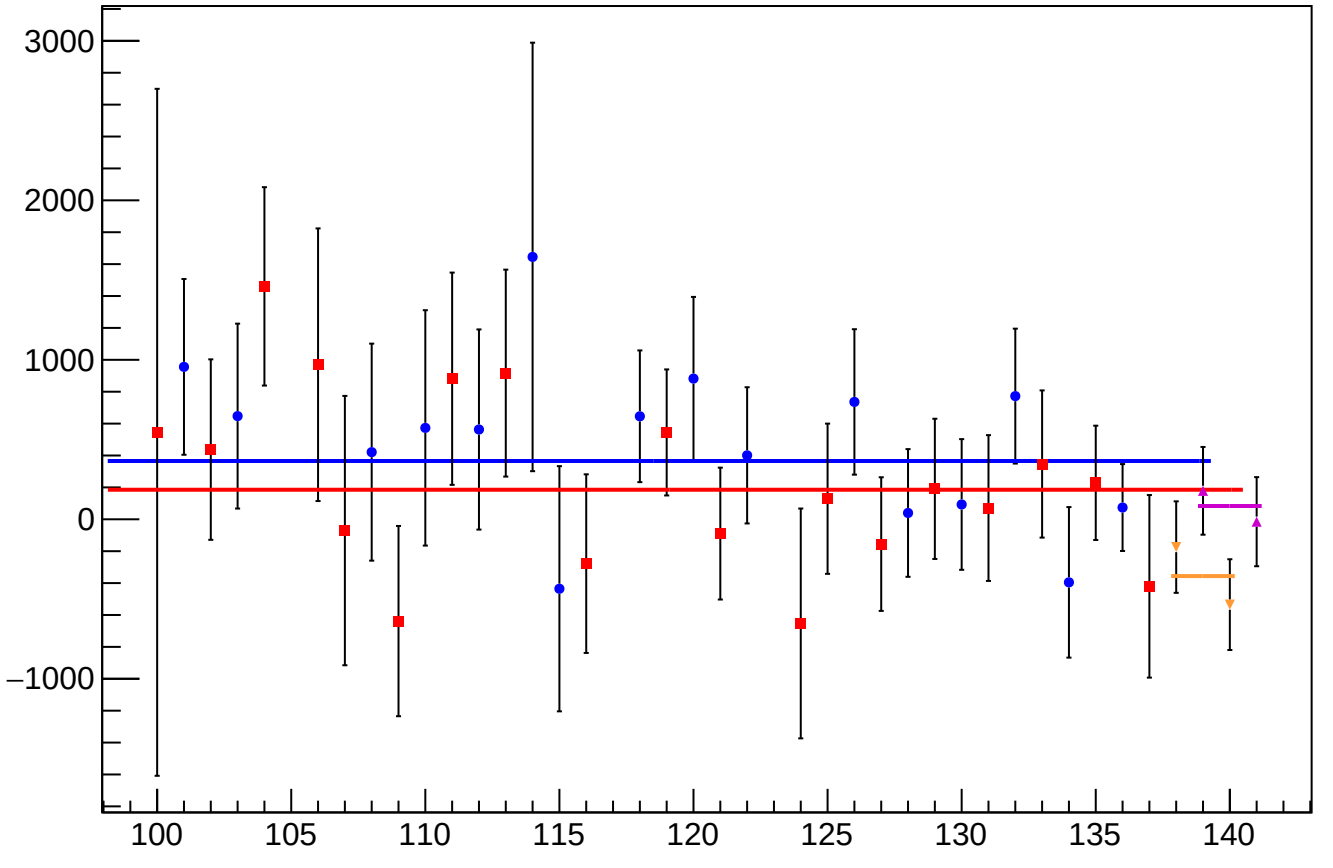
Left: 2049.683+/-0.798 χ^2/NDF: 51101.8/3

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2906.390+/-0.734 χ^2/NDF:2160888.5/17

Out: 2961.931+/-0.753 χ^2/NDF:2555662.2/20

All: 2933.461+/-0.526 χ^2/NDF: 4719341.2/38



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -356.096+/-202.032 χ^2/NDF:0.8/1

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 83.287+/-195.985 χ^2/NDF:0.2/1

Left: -129.731+/-140.671 χ^2/NDF: 3.5/3

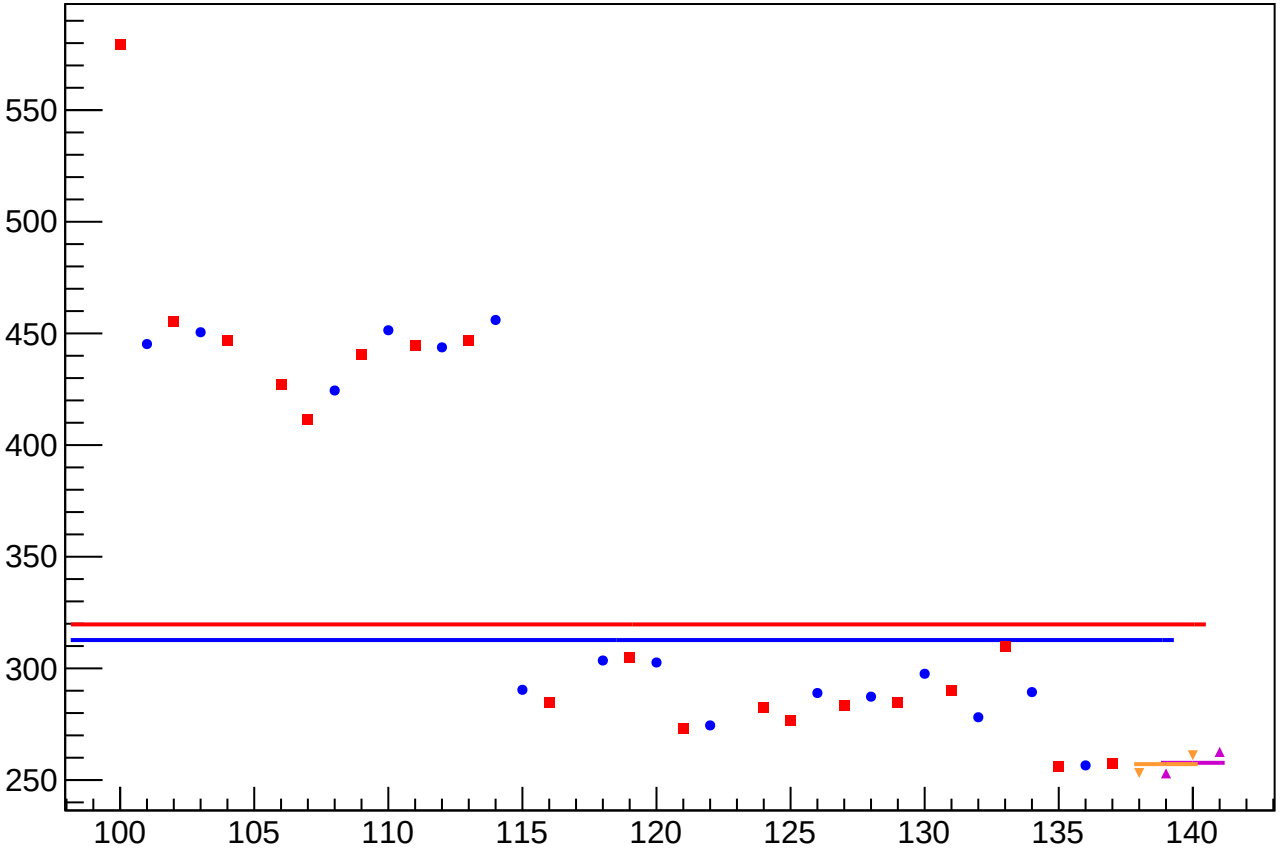
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 289.616+/-101.638 χ^2/NDF:13.2/17

Out: 43.786+/-103.299 χ^2/NDF:21.0/20

All: 168.693+/-72.449 χ^2/NDF: 37.2/38

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 257.130+/-0.143 χ^2/NDF:774.0/1

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 257.716+/-0.139 χ^2/NDF:1198.6/1

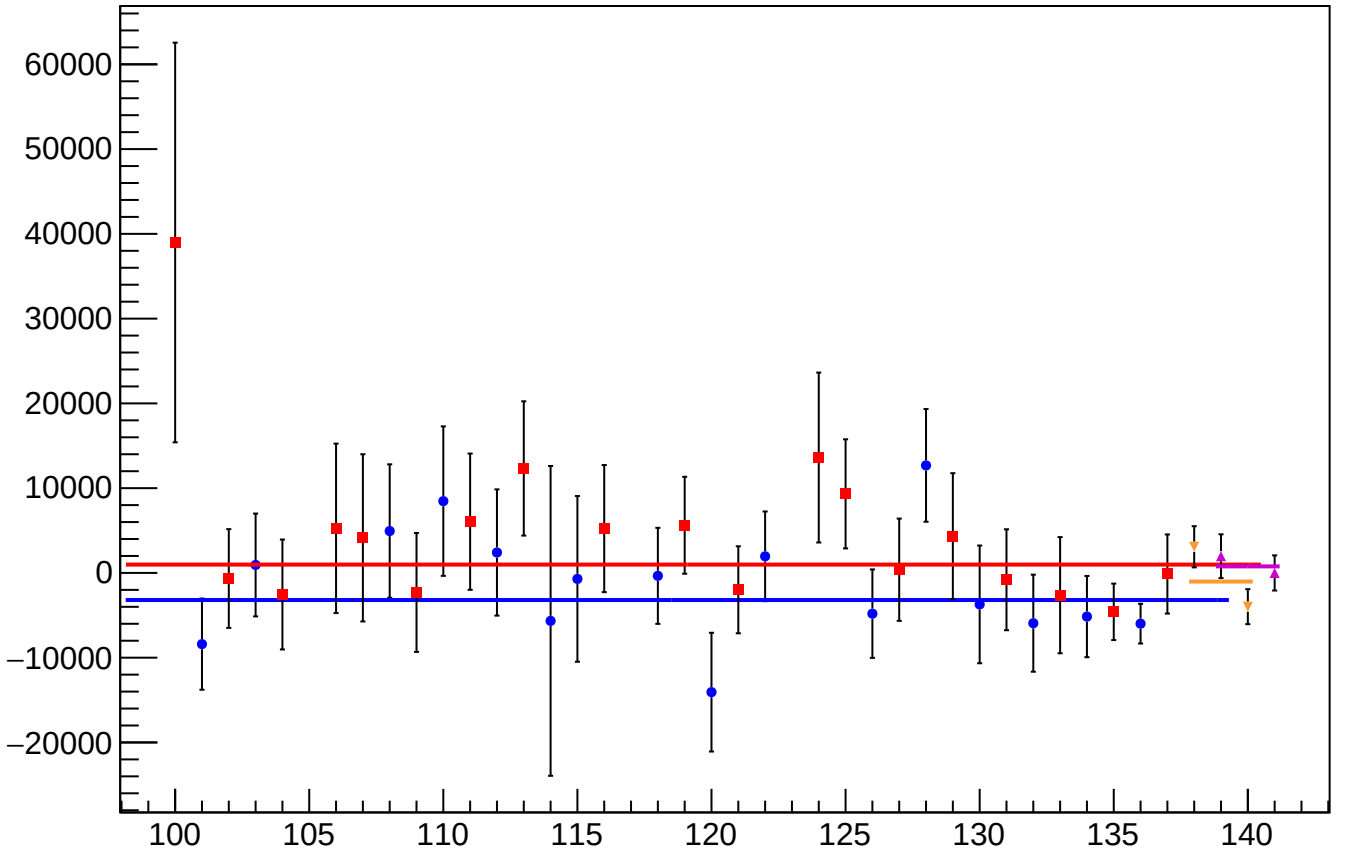
Left: 257.432+/-0.099 χ^2/NDF: 1981.2/3

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 297.900+/-0.072 χ^2/NDF:718416.9/17

Out: 303.337+/-0.073 χ^2/NDF:836134.3/20

All: 300.574+/-0.051 χ^2/NDF: 1557366.8/38



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1019.627+/-1574.007 χ^2/NDF:4.9/1

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 770.945+/-1617.167 χ^2/NDF:0.4/1

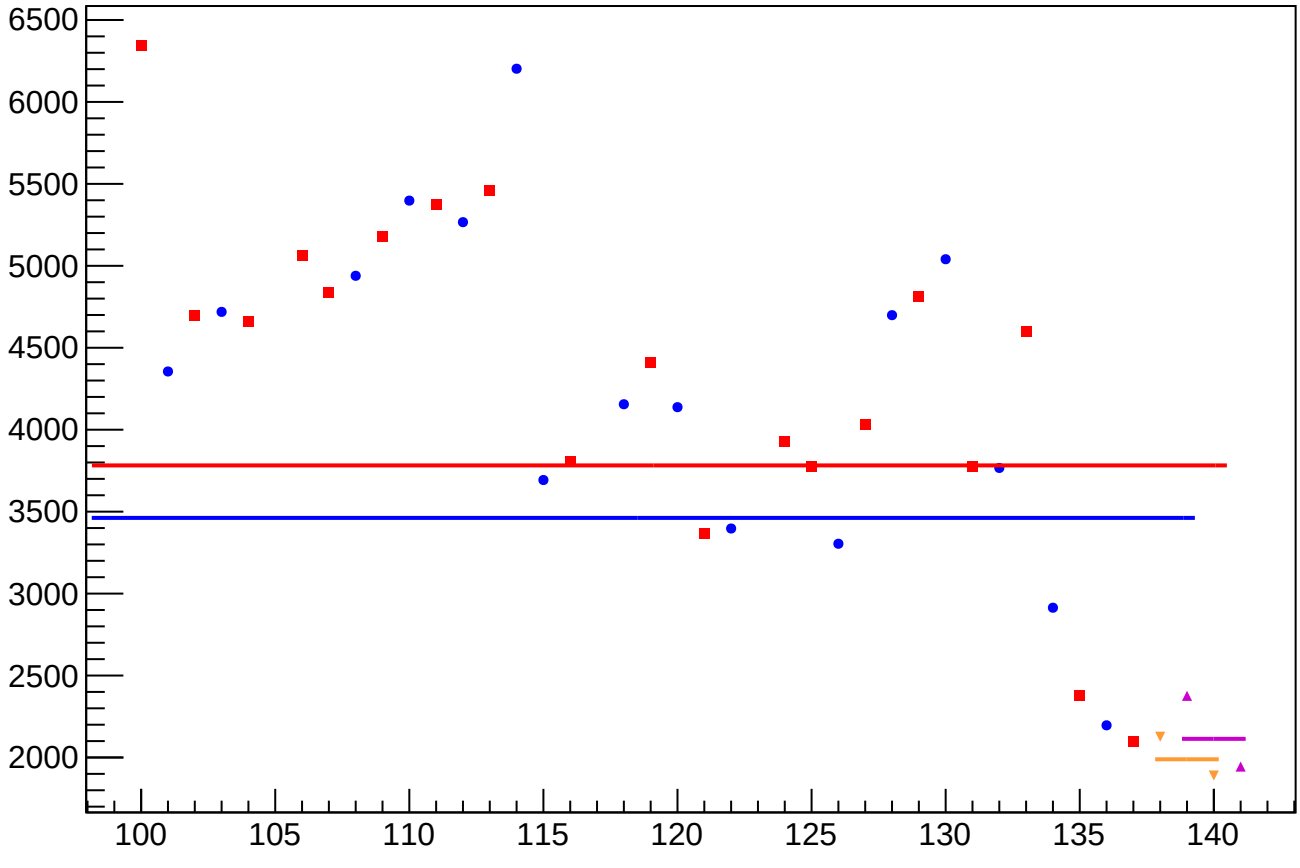
Left: -148.554+/-1127.941 χ^2/NDF: 5.9/3

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1562.992+/-1038.078 χ^2/NDF:20.0/17

Out: 65.805+/-1064.565 χ^2/NDF:19.7/20

All: -769.109+/-743.220 χ^2/NDF: 40.9/38



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1989.044+/-1.113 χ^2/NDF:11032.0/1

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2113.693+/-1.144 χ^2/NDF:33968.1/1

Left: 2049.683+/-0.798 χ^2/NDF: 51101.8/3

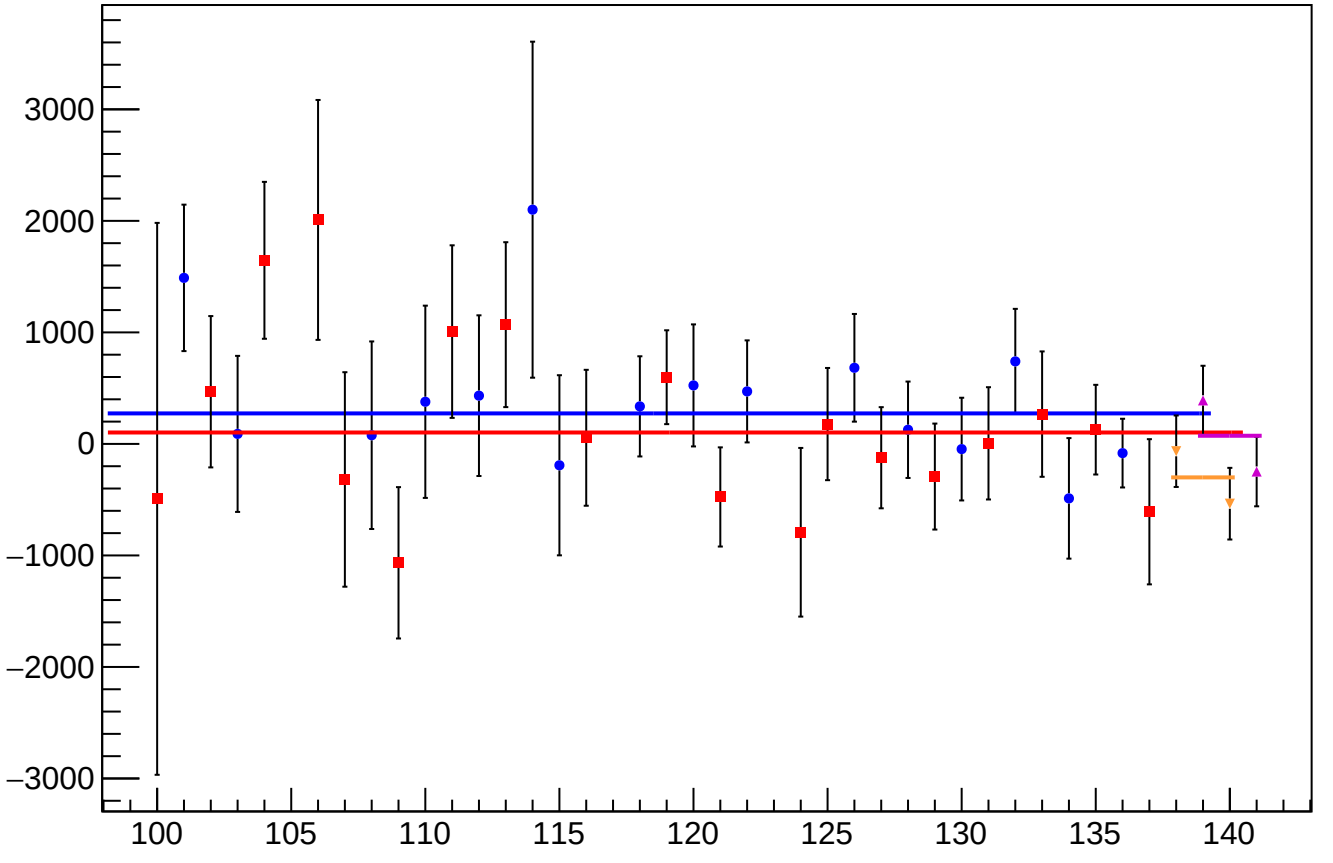
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2906.390+/-0.734 χ^2/NDF:2160888.5/17

Out: 2961.931+/-0.753 χ^2/NDF:2555662.2/20

All: 2933.461+/-0.526 χ^2/NDF: 4719341.2/38

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -300.213+/-226.865 χ^2/NDF:1.1/1

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: 73.105+/-219.989 χ^2/NDF:2.1/1

Left: -107.811+/-157.931 χ^2/NDF: 4.6/3

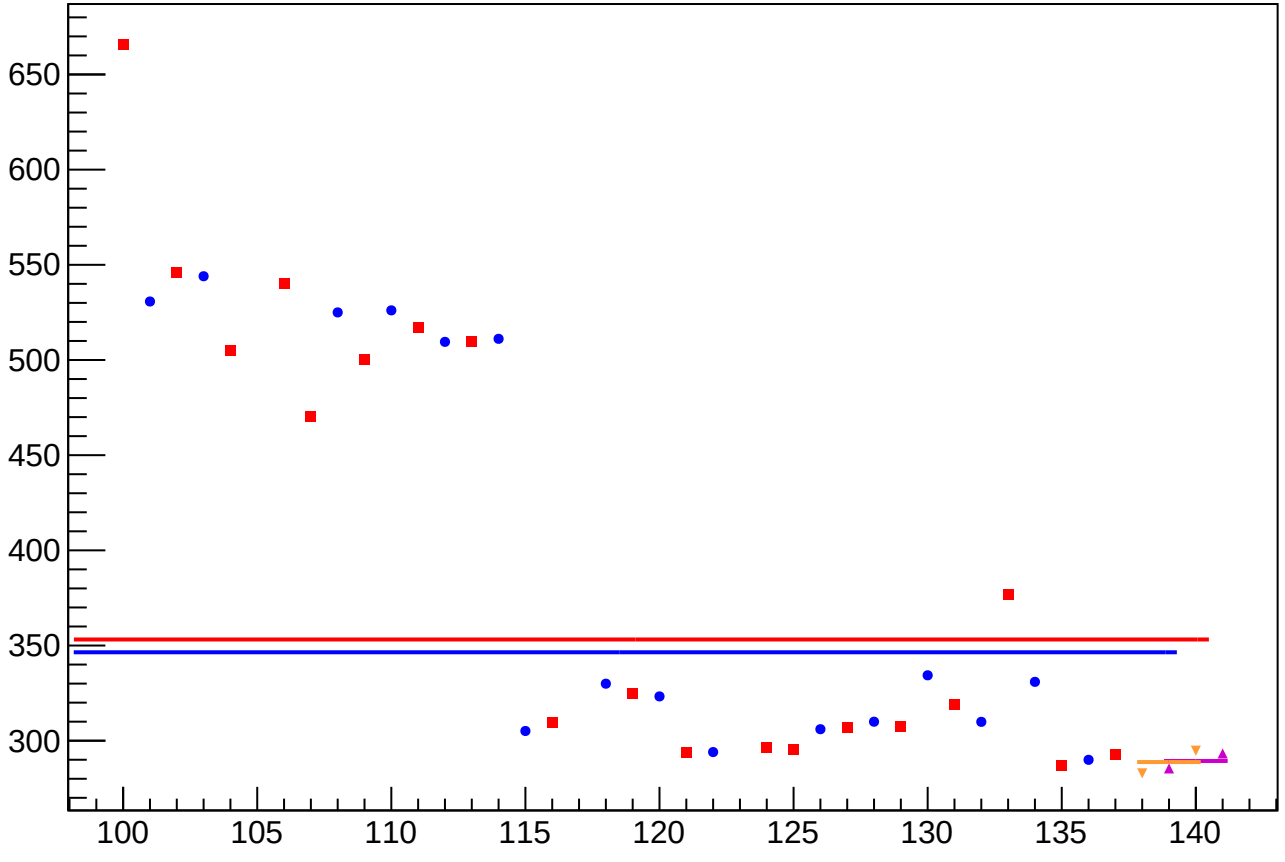
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: 220.190+/-113.526 χ^2/NDF:14.2/17

Out: -1.302+/-115.125 χ^2/NDF:24.7/20

All: 110.993+/-80.834 χ^2/NDF: 40.8/38

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 288.787+/-0.160 χ^2/NDF:1379.9/1

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 289.350+/-0.156 χ^2/NDF:637.6/1

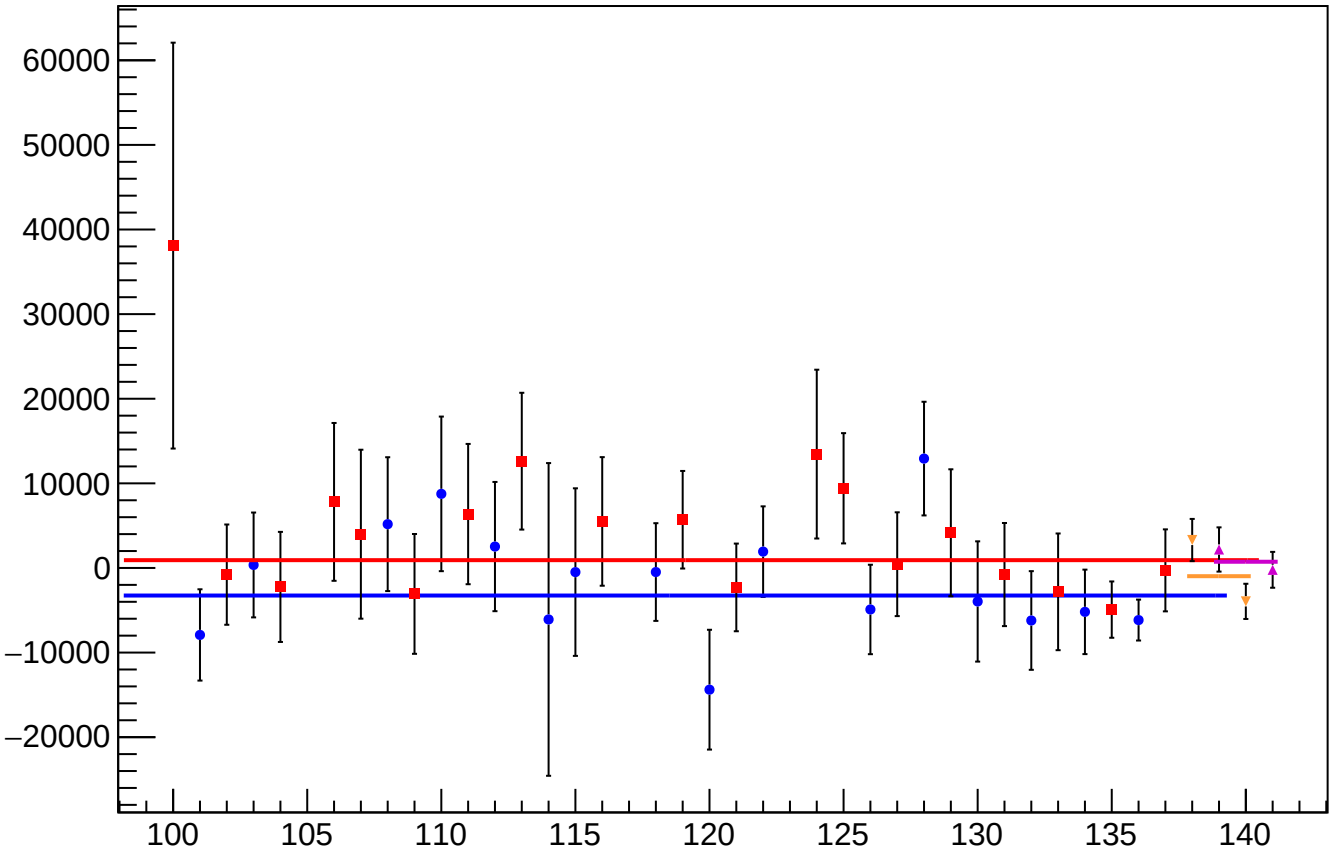
Left: 289.077+/-0.112 χ^2/NDF: 2023.8/3

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 331.247+/-0.080 χ^2/NDF:868274.3/17

Out: 336.596+/-0.081 χ^2/NDF:987370.1/20

All: 333.884+/-0.057 χ^2/NDF: 1857833.0/38



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -972.831+/-1596.973 χ^2/NDF:5.0/1

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 734.055+/-1646.667 χ^2/NDF:0.5/1

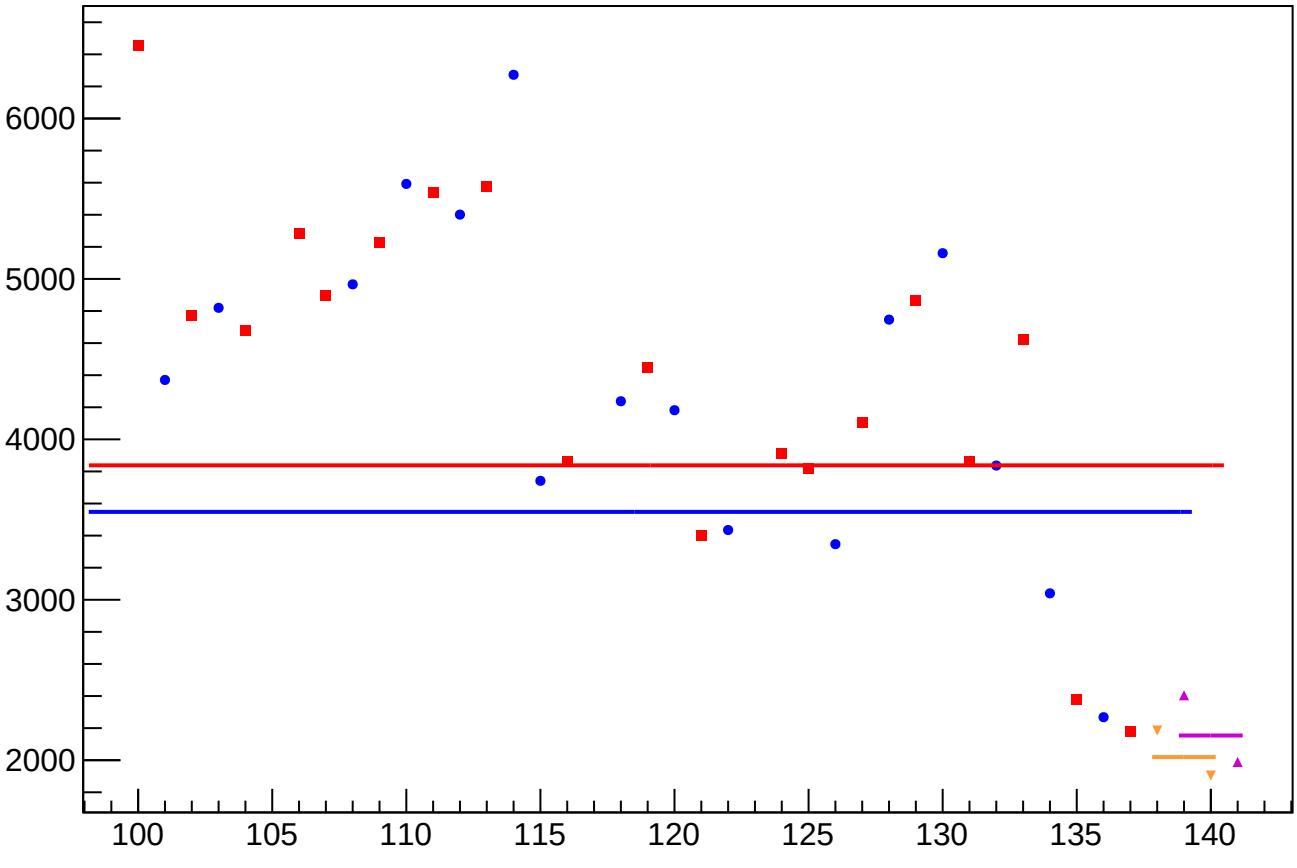
Left: -145.532+/-1146.396 χ^2/NDF: 6.1/3

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1605.678+/-1059.545 χ^2/NDF:20.0/17

Out: 58.410+/-1077.844 χ^2/NDF:20.4/20

All: -787.881+/-755.598 χ^2/NDF: 41.6/38



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2019.431+/-1.129 χ^2/NDF:14941.6/1

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2154.015+/-1.164 χ^2/NDF:30502.5/1

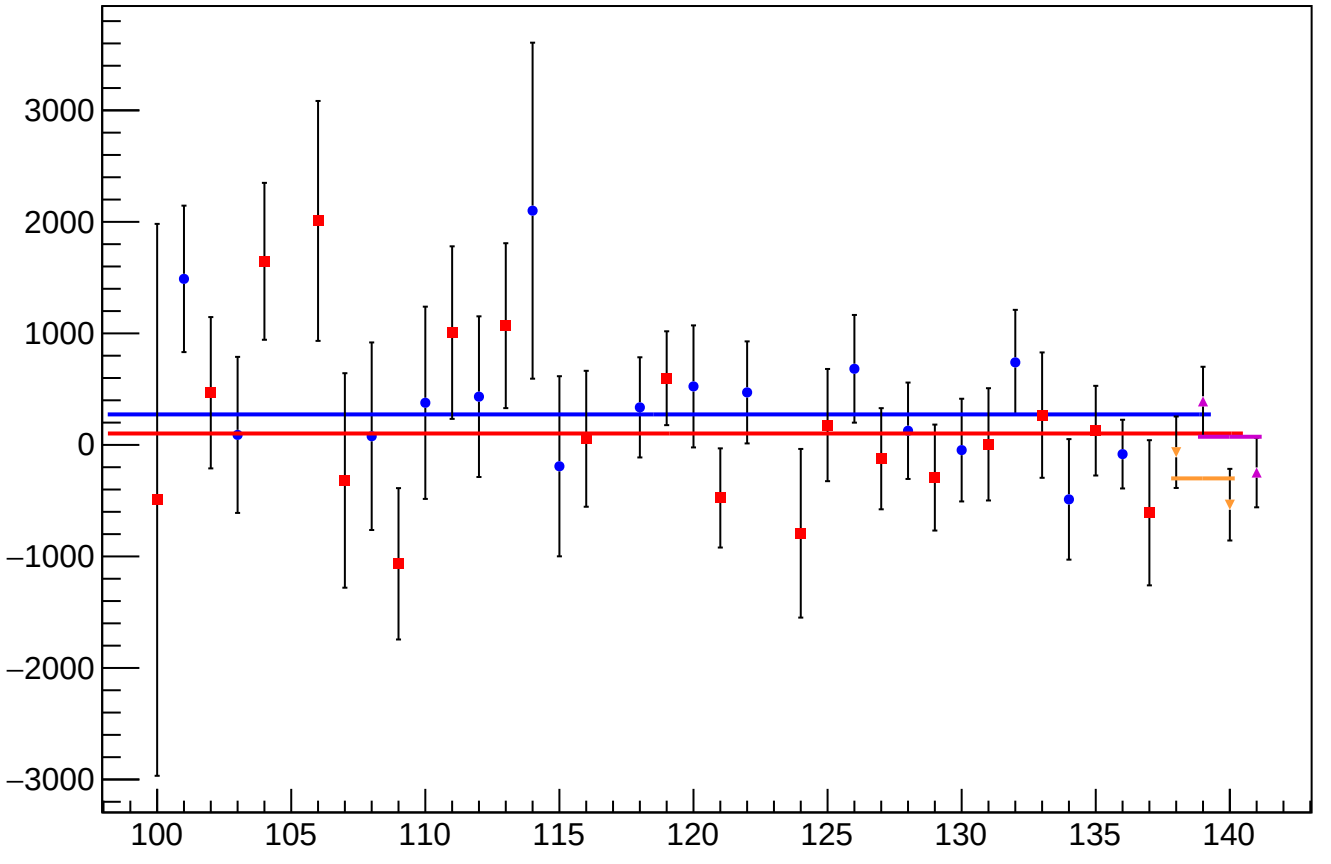
Left: 2084.662+/-0.811 χ^2/NDF: 52328.6/3

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2970.837+/-0.749 χ^2/NDF:2128824.8/17

Out: 3009.571+/-0.762 χ^2/NDF:2582835.3/20

All: 2989.872+/-0.534 χ^2/NDF: 4712973.6/38



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -300.222+/-226.865 χ^2/NDF:1.1/1

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: 73.103+/-219.989 χ^2/NDF:2.1/1

Left: -107.816+/-157.931 χ^2/NDF: 4.6/3

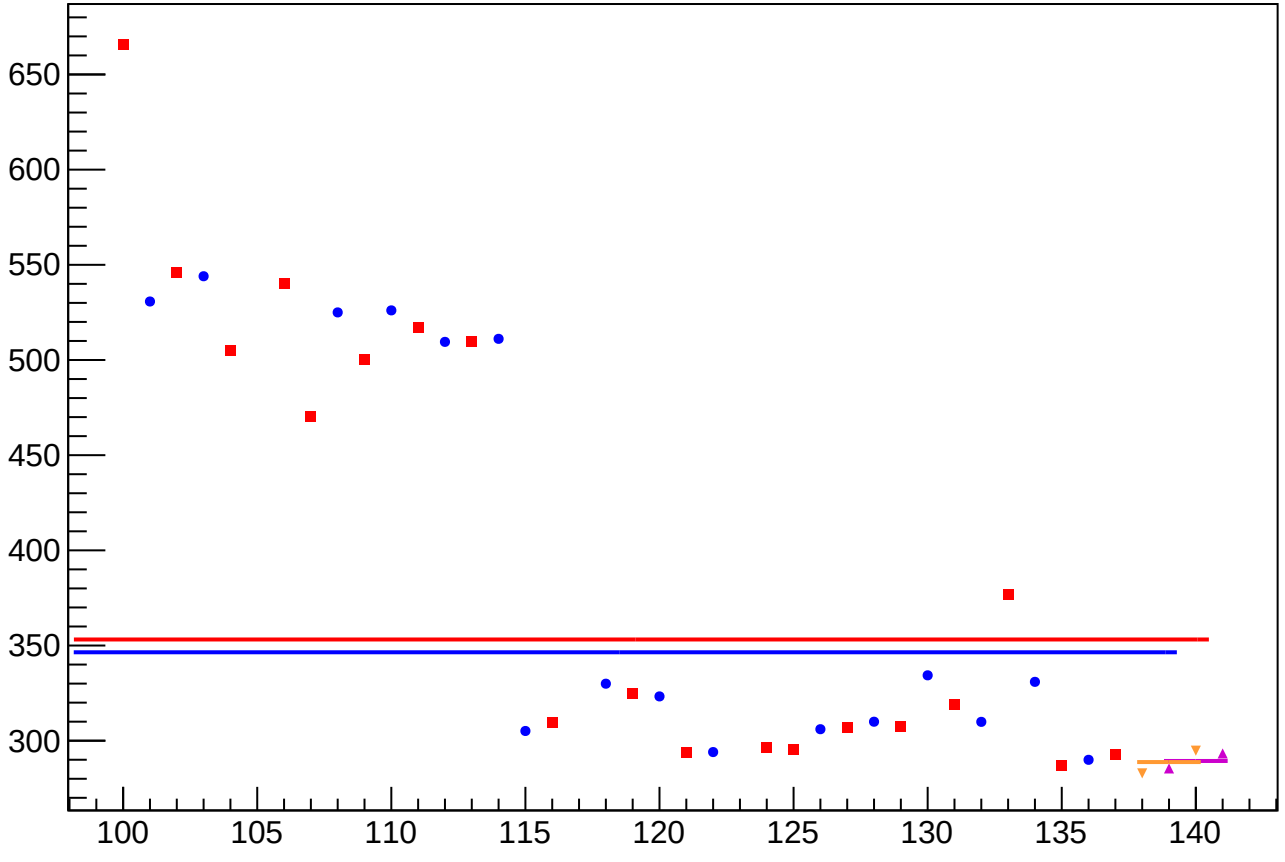
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 220.193+/-113.525 χ^2/NDF:14.2/17

Out: -1.305+/-115.125 χ^2/NDF:24.7/20

All: 110.993+/-80.834 χ^2/NDF: 40.8/38

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 288.787+/-0.160 χ^2/NDF:1380.1/1

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 289.350+/-0.156 χ^2/NDF:637.7/1

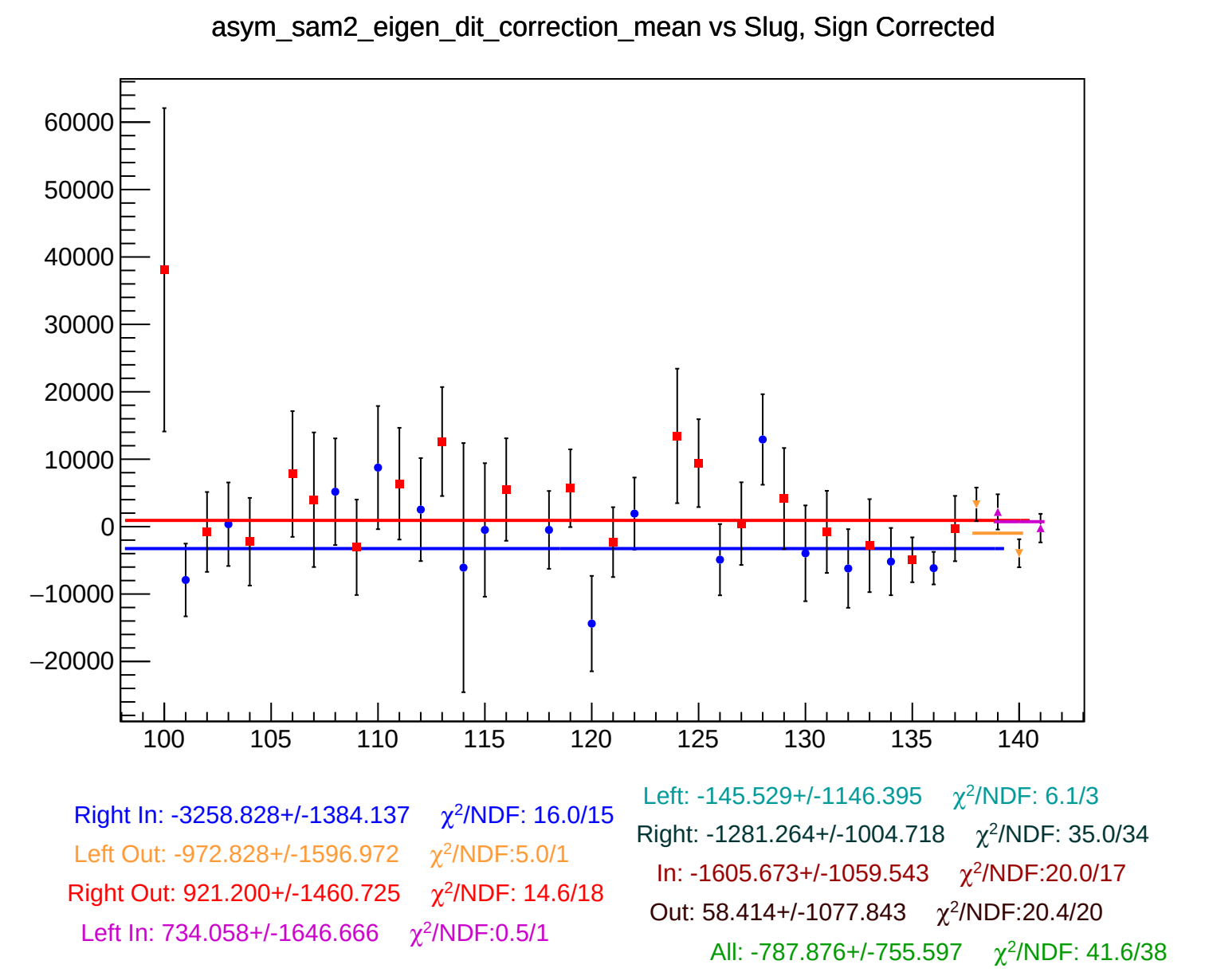
Left: 289.077+/-0.112 χ^2/NDF: 2024.2/3

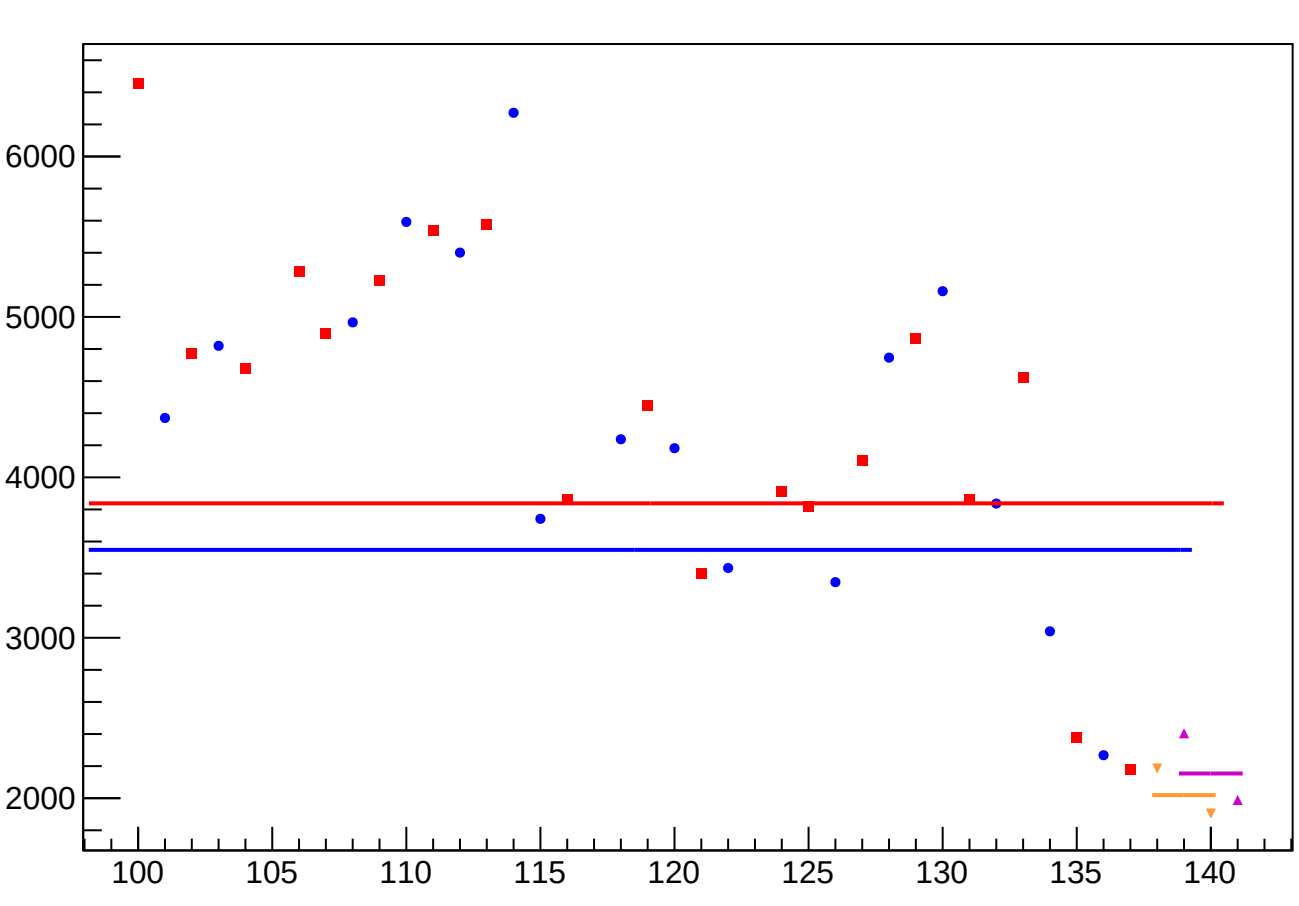
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 331.246+/-0.080 χ^2/NDF:868259.7/17

Out: 336.595+/-0.081 χ^2/NDF:987356.5/20

All: 333.883+/-0.057 χ^2/NDF: 1857805.3/38


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
Right In: -3258.828+/-1384.137 χ²/NDF: 16.0/15
Left Out: -972.828+/-1596.972 χ²/NDF:5.0/1
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: 734.058+/-1646.666 χ²/NDF:0.5/1
Left: -145.529+/-1146.395 χ²/NDF: 6.1/3
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -1605.673+/-1059.543 χ²/NDF:20.0/17
Out: 58.414+/-1077.843 χ²/NDF:20.4/20
All: -787.876+/-755.597 χ²/NDF: 41.6/38



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2019.430+/-1.129 χ^2/NDF:14940.8/1

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2154.014+/-1.164 χ^2/NDF:30501.1/1

Left: 2084.660+/-0.811 χ^2/NDF: 52326.6/3

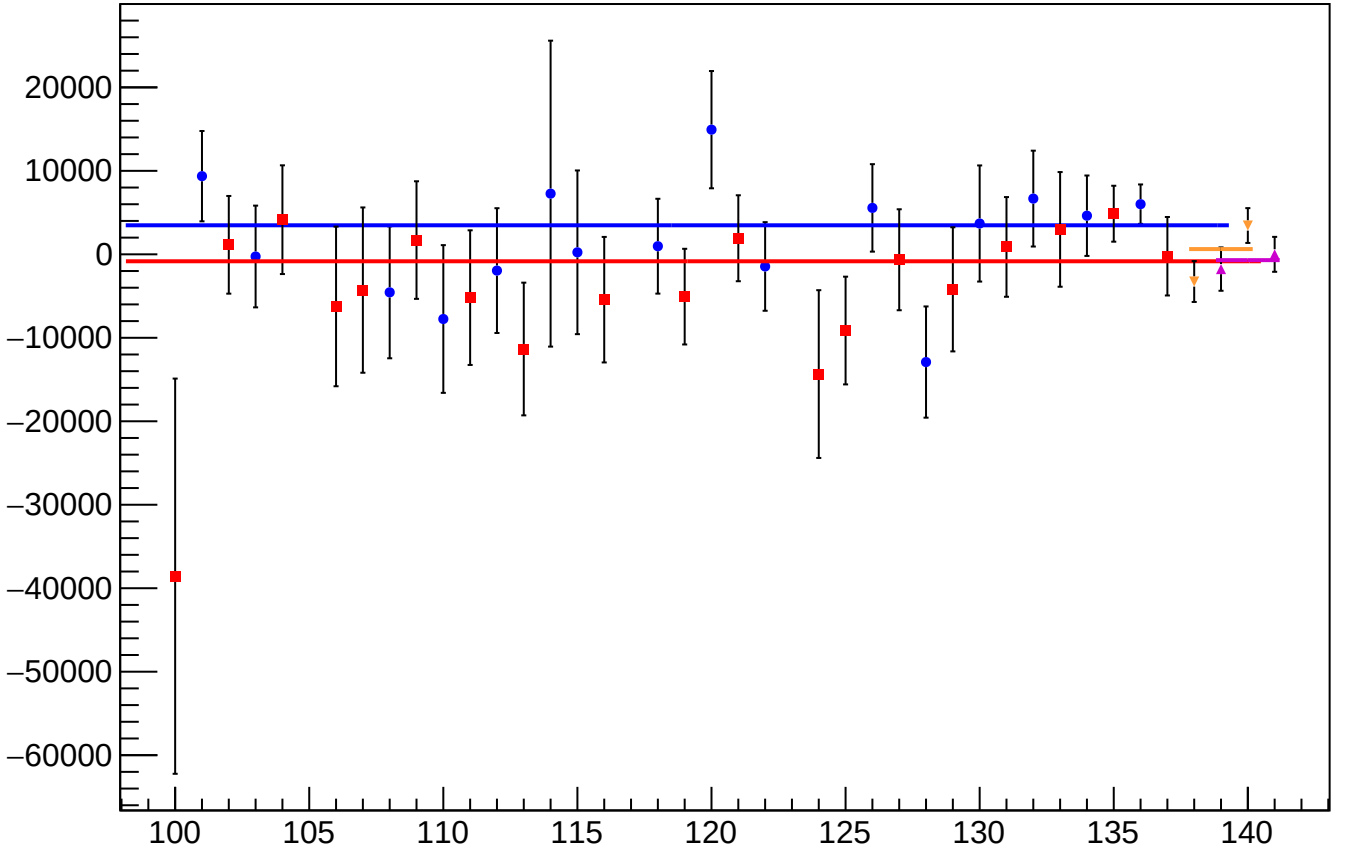
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2970.835+/-0.749 χ^2/NDF:2128809.1/17

Out: 3009.568+/-0.762 χ^2/NDF:2582823.0/20

All: 2989.870+/-0.534 χ^2/NDF: 4712945.6/38

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 628.509+/-1587.583 χ^2/NDF:4.4/1

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -696.941+/-1629.790 χ^2/NDF:0.3/1

Left: -16.831+/-1137.219 χ^2/NDF: 5.0/3

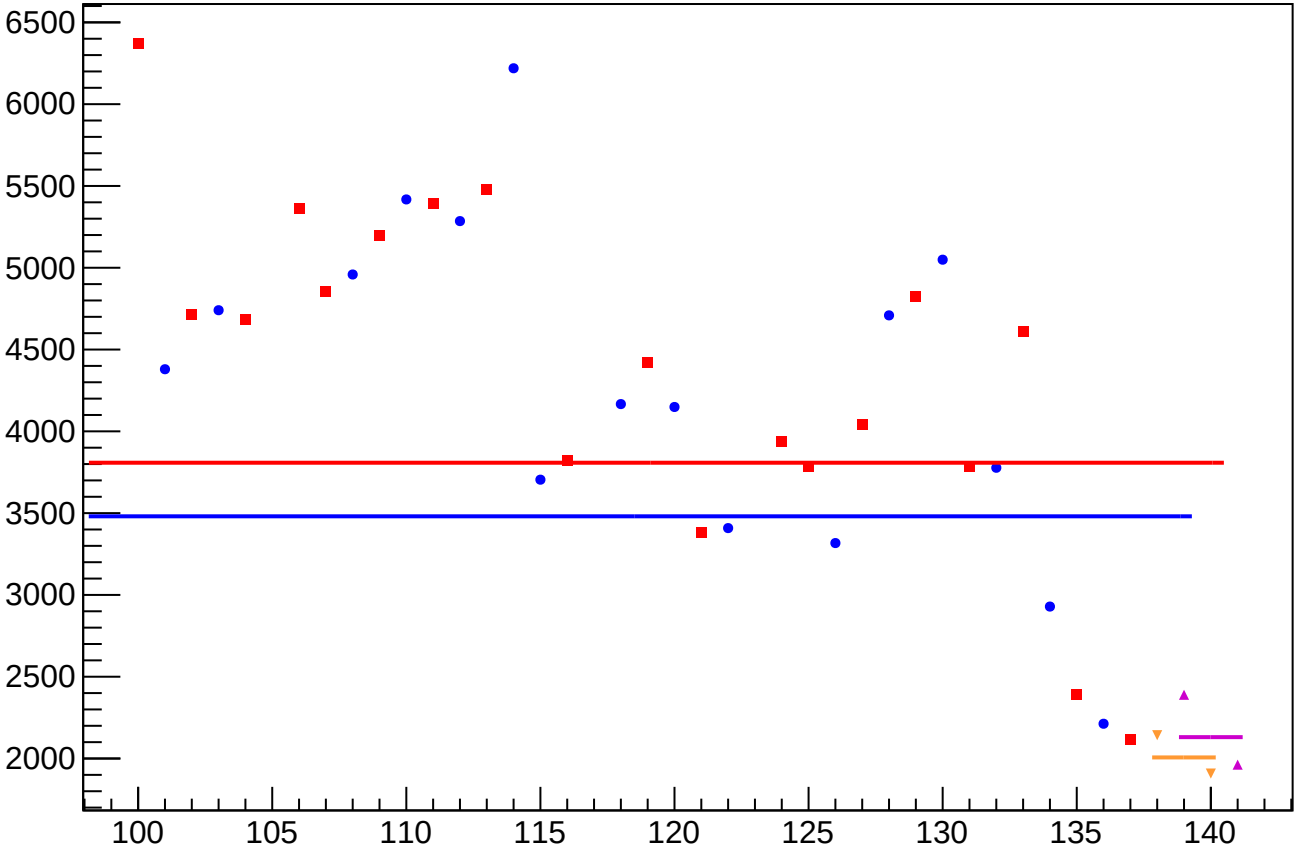
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1763.912+/-1044.361 χ^2/NDF:20.5/17

Out: -168.255+/-1070.505 χ^2/NDF:18.8/20

All: 821.710+/-747.547 χ^2/NDF: 41.0/38

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2006.624+/-1.123 χ^2/NDF:10629.3/1

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2130.654+/-1.152 χ^2/NDF:32789.4/1

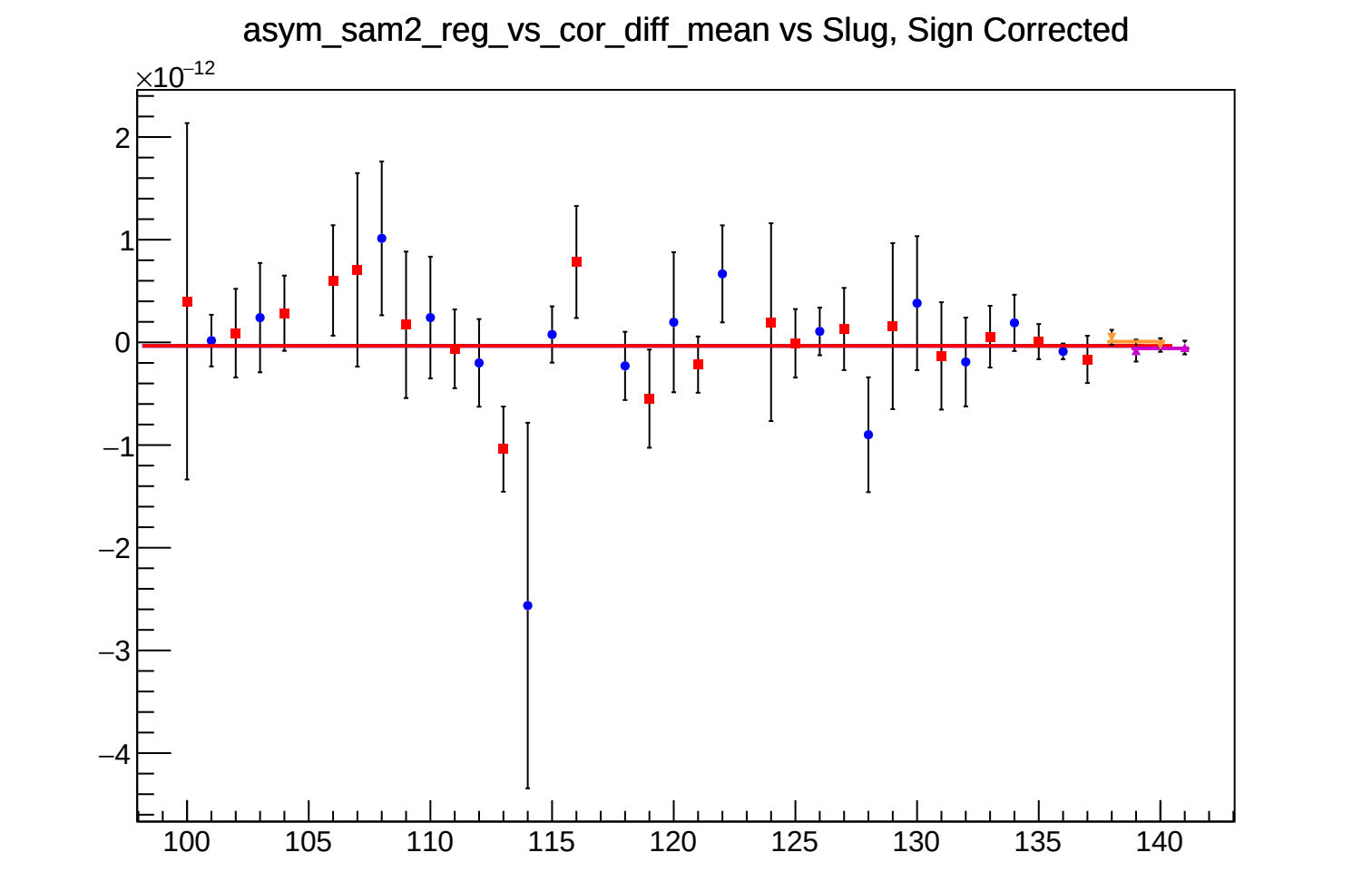
Left: 2067.012+/-0.804 χ^2/NDF: 49362.0/3

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2926.263+/-0.738 χ^2/NDF:2138098.8/17

Out: 2989.035+/-0.757 χ^2/NDF:2562593.6/20

All: 2956.873+/-0.529 χ^2/NDF: 4704215.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

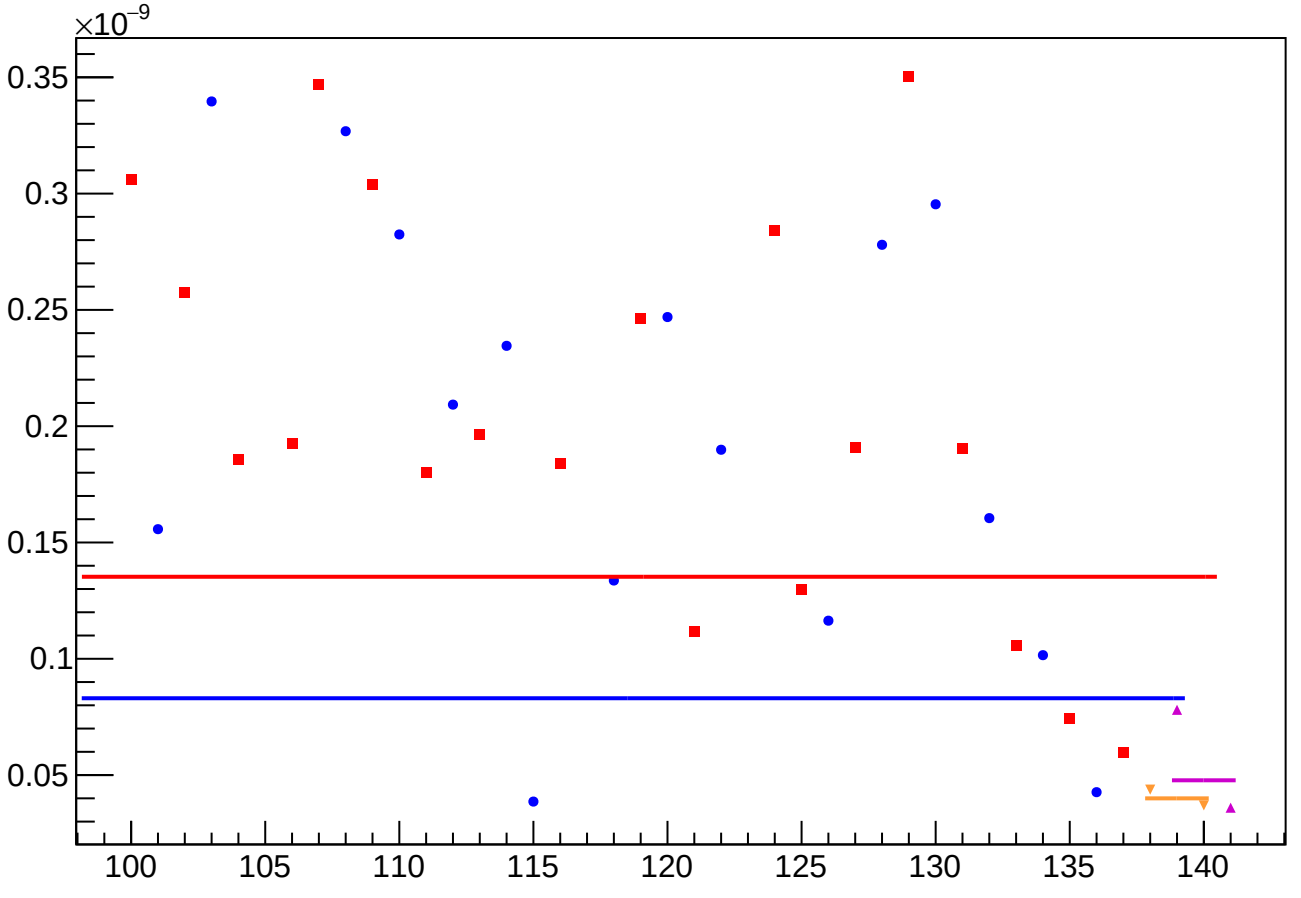
Left: -0.000+/-0.000 χ^2/NDF: 1.4/3

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:12.1/17

Out: -0.000+/-0.000 χ^2/NDF:14.3/20

All: -0.000+/-0.000 χ^2/NDF: 26.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9369.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:223047.2/1

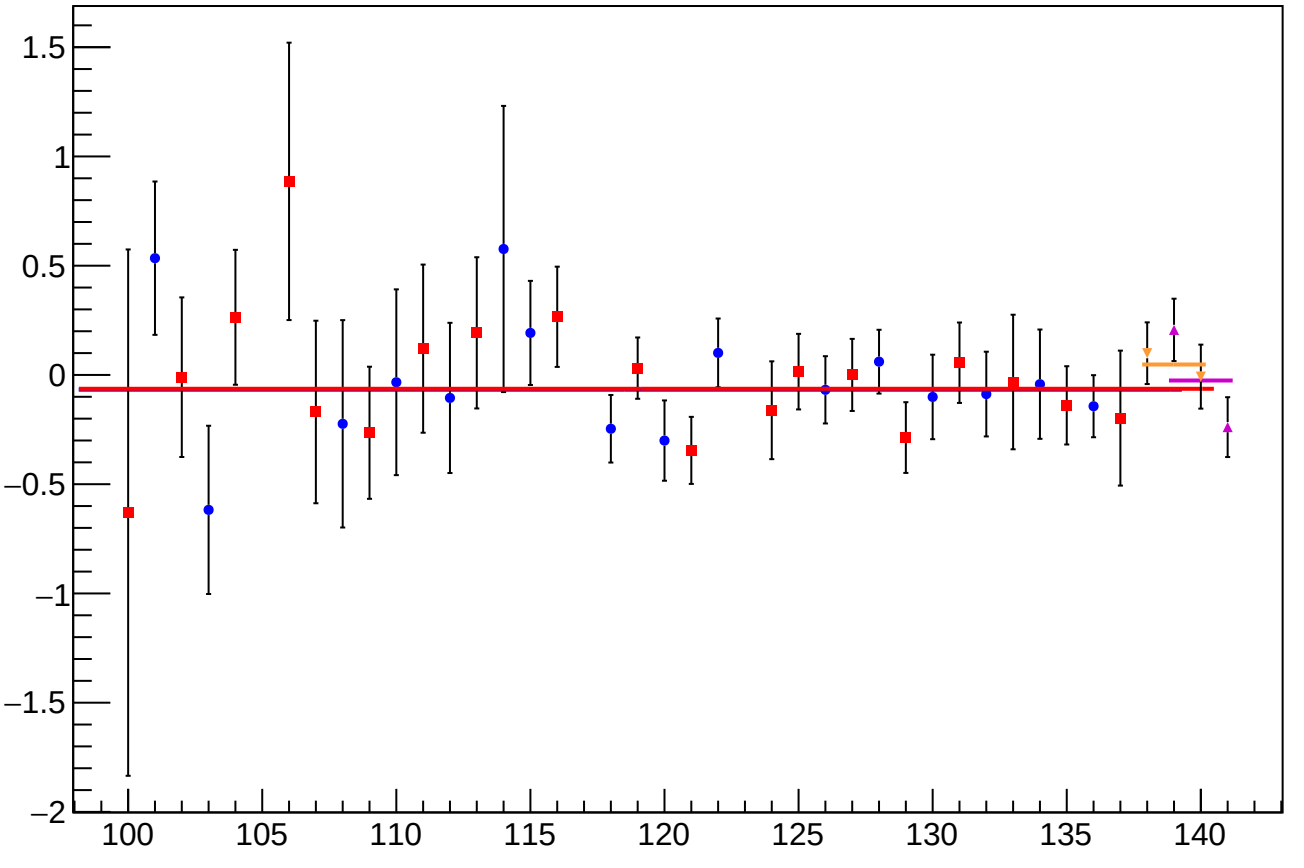
Left: 0.000+/-0.000 χ^2/NDF: 253867.2/3

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3287528.4/17

Out: 0.000+/-0.000 χ^2/NDF:3297634.8/20

All: 0.000+/-0.000 χ^2/NDF: 6585183.8/38



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.048+/-0.102 χ^2/NDF:0.3/1

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.025+/-0.099 χ^2/NDF:5.1/1

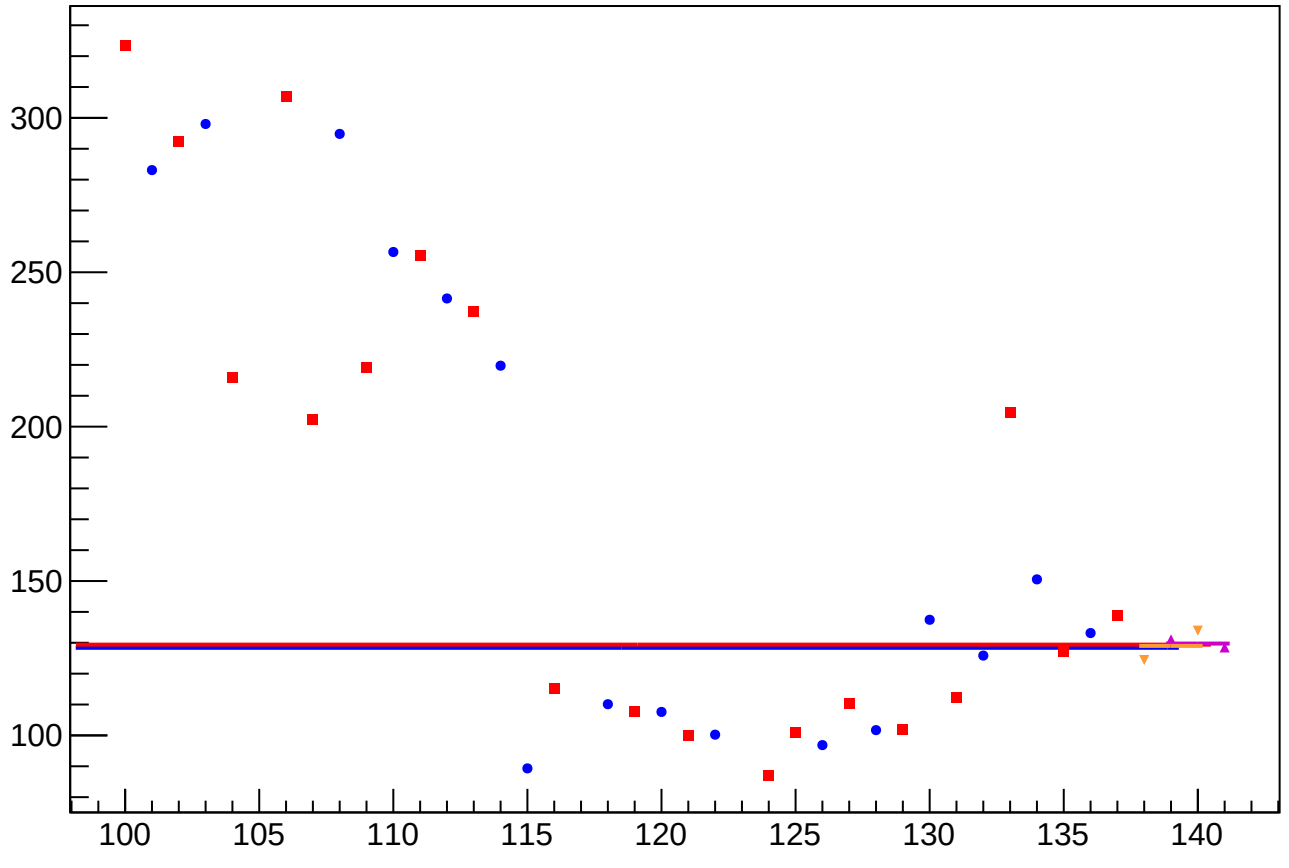
Left: 0.010+/-0.071 χ^2/NDF: 5.6/3

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.046 χ^2/NDF:17.7/17

Out: -0.041+/-0.046 χ^2/NDF:15.3/20

All: -0.049+/-0.032 χ^2/NDF: 33.0/38



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 128.992+/-0.072 χ^2/NDF:4375.1/1

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 129.742+/-0.070 χ^2/NDF:344.5/1

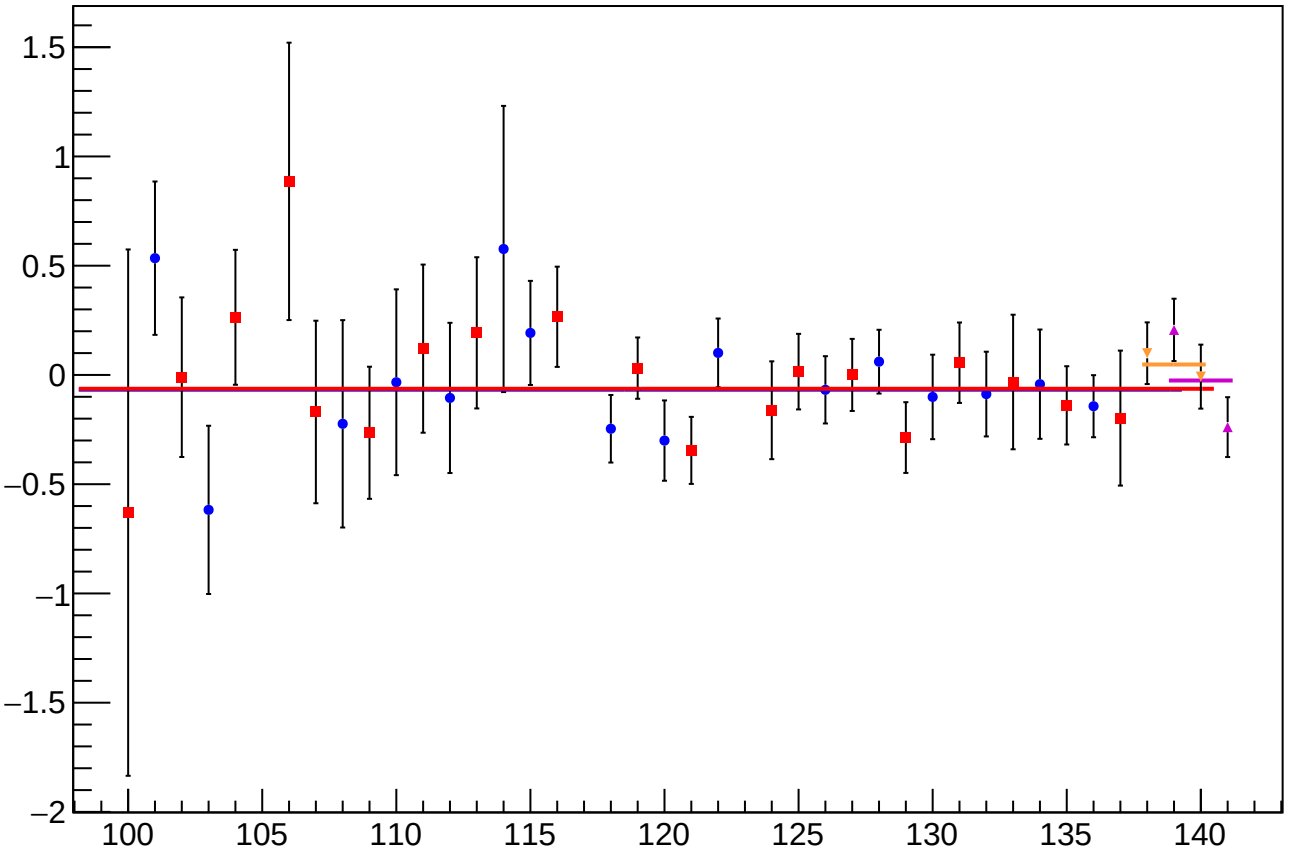
Left: 129.378+/-0.050 χ^2/NDF: 4775.6/3

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.673+/-0.032 χ^2/NDF:1805721.5/17

Out: 129.316+/-0.033 χ^2/NDF:1892672.1/20

All: 128.993+/-0.023 χ^2/NDF: 3698589.2/38



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.048+/-0.102 χ^2/NDF:0.3/1

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.025+/-0.099 χ^2/NDF:5.1/1

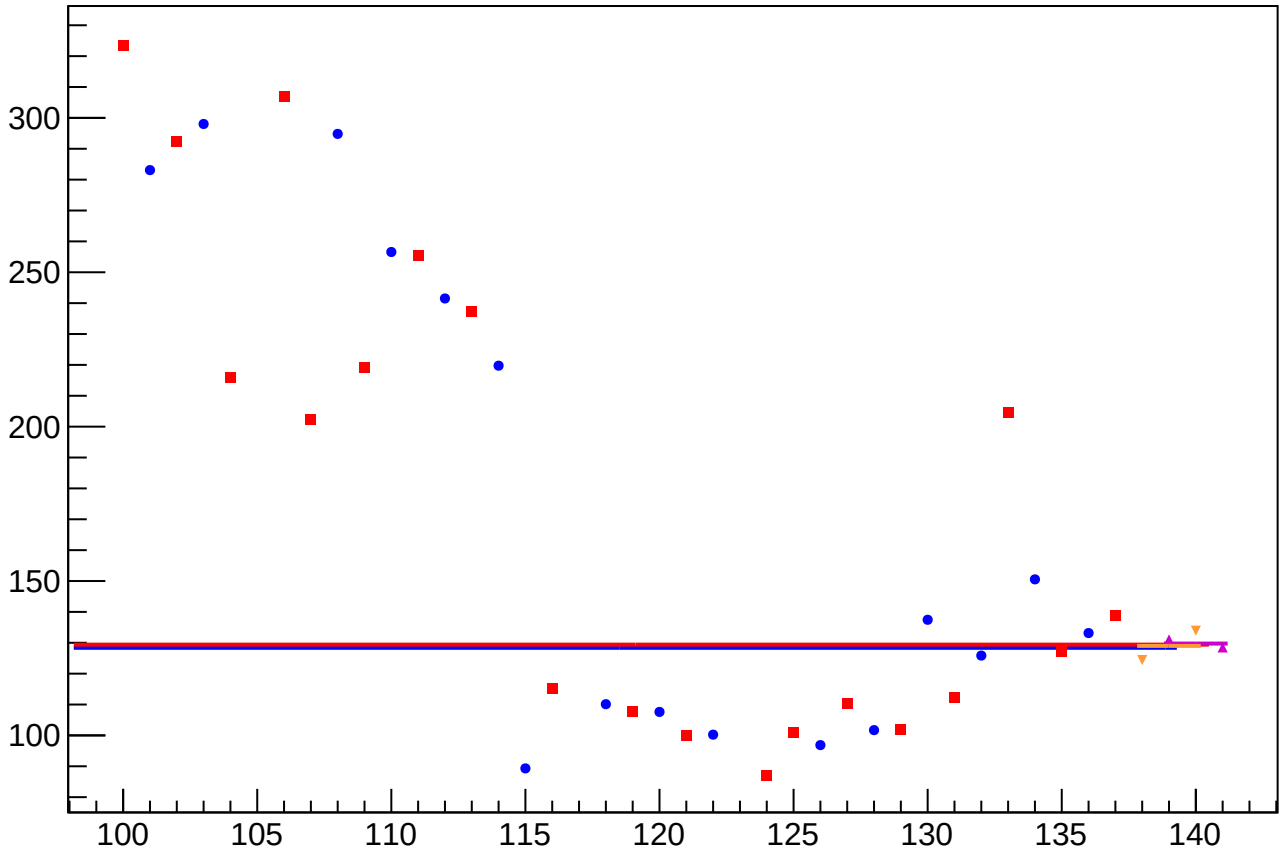
Left: 0.010+/-0.071 χ^2/NDF: 5.6/3

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.046 χ^2/NDF:17.7/17

Out: -0.041+/-0.046 χ^2/NDF:15.3/20

All: -0.049+/-0.032 χ^2/NDF: 33.0/38



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 128.992+/-0.072 χ^2/NDF:4375.1/1

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 129.742+/-0.070 χ^2/NDF:344.5/1

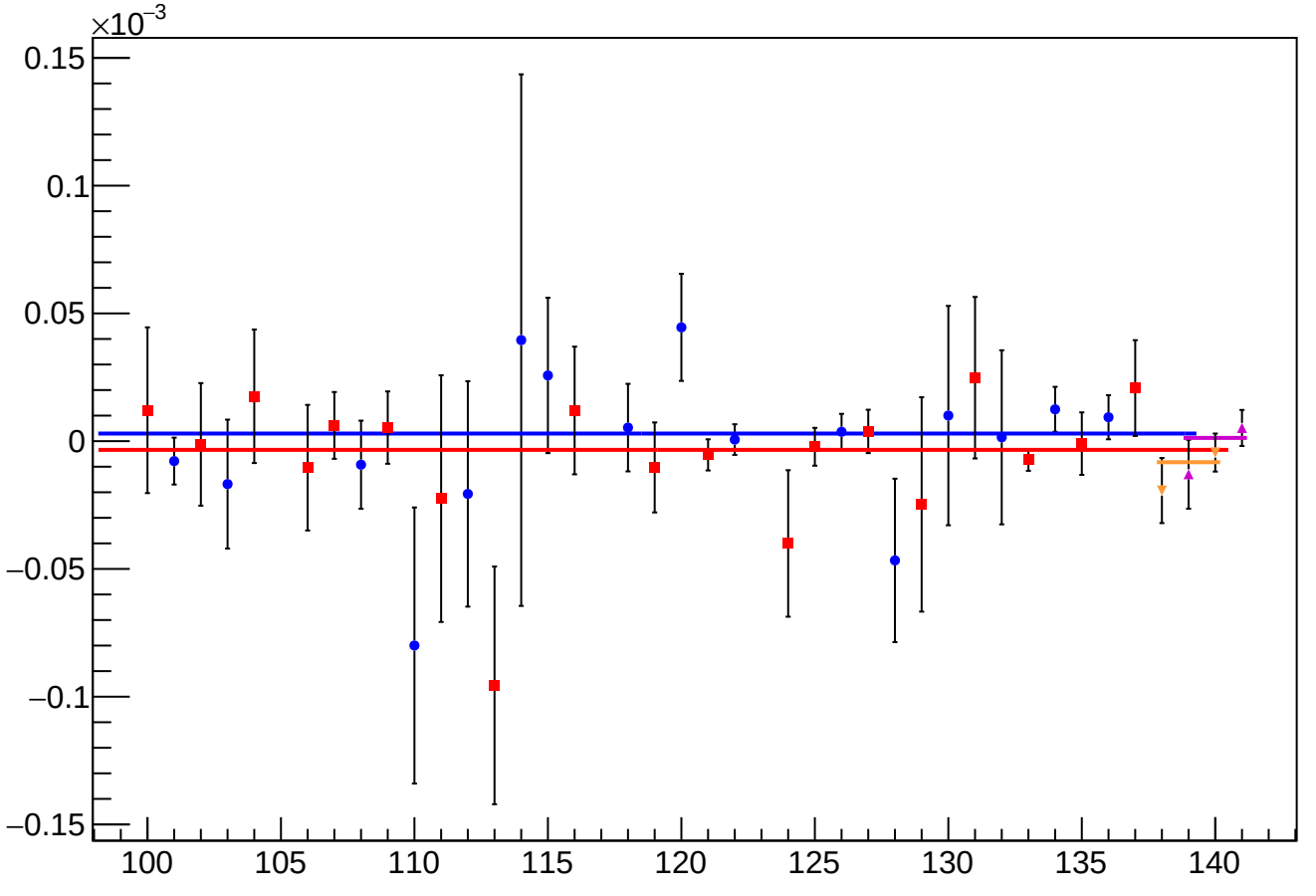
Left: 129.378+/-0.050 χ^2/NDF: 4775.6/3

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.673+/-0.032 χ^2/NDF:1805721.5/17

Out: 129.316+/-0.033 χ^2/NDF:1892672.1/20

All: 128.993+/-0.023 χ^2/NDF: 3698589.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/1

Left: -0.000+/-0.000 χ^2/NDF: 3.6/3

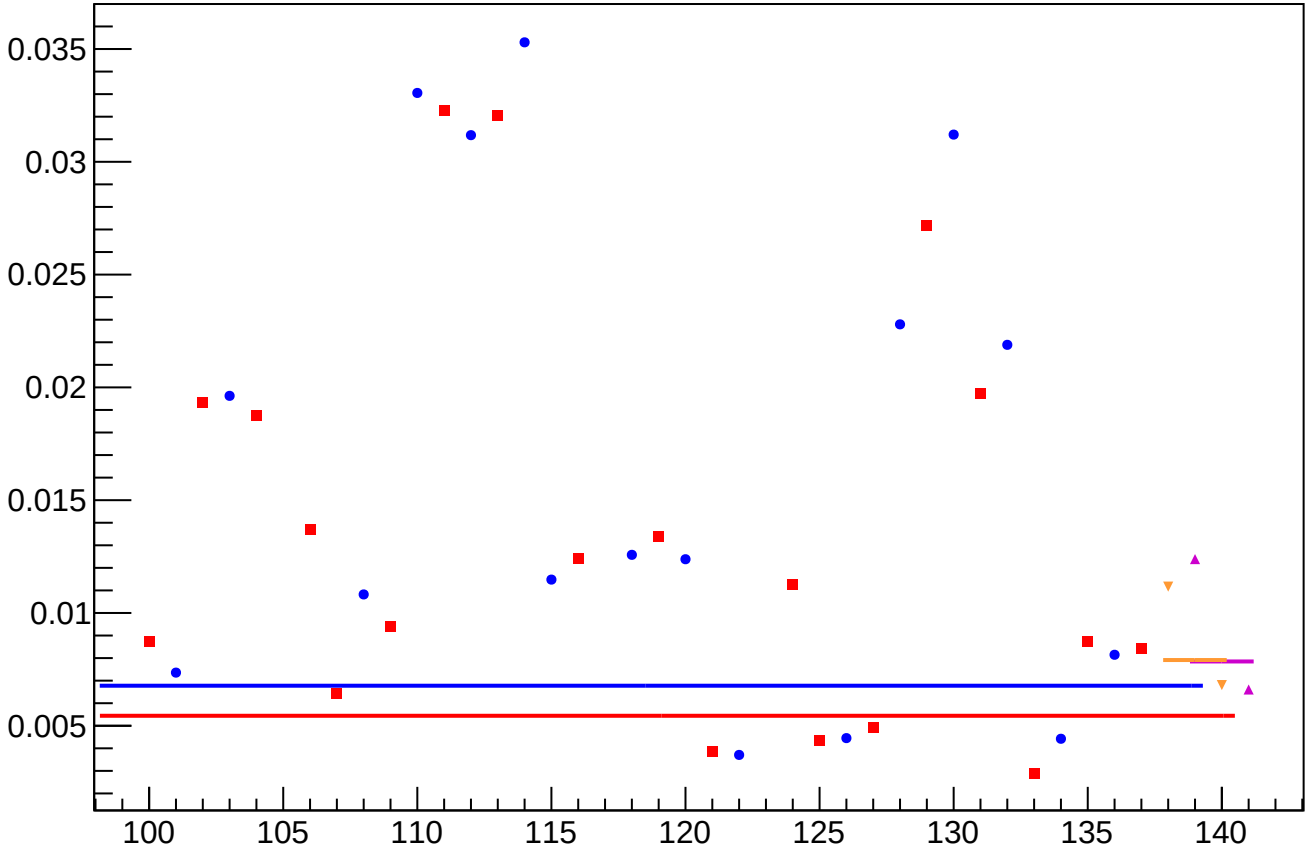
Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:15.6/17

Out: -0.000+/-0.000 χ^2/NDF:14.1/20

All: -0.000+/-0.000 χ^2/NDF: 33.0/38

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:175113.4/1

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:288973.5/1

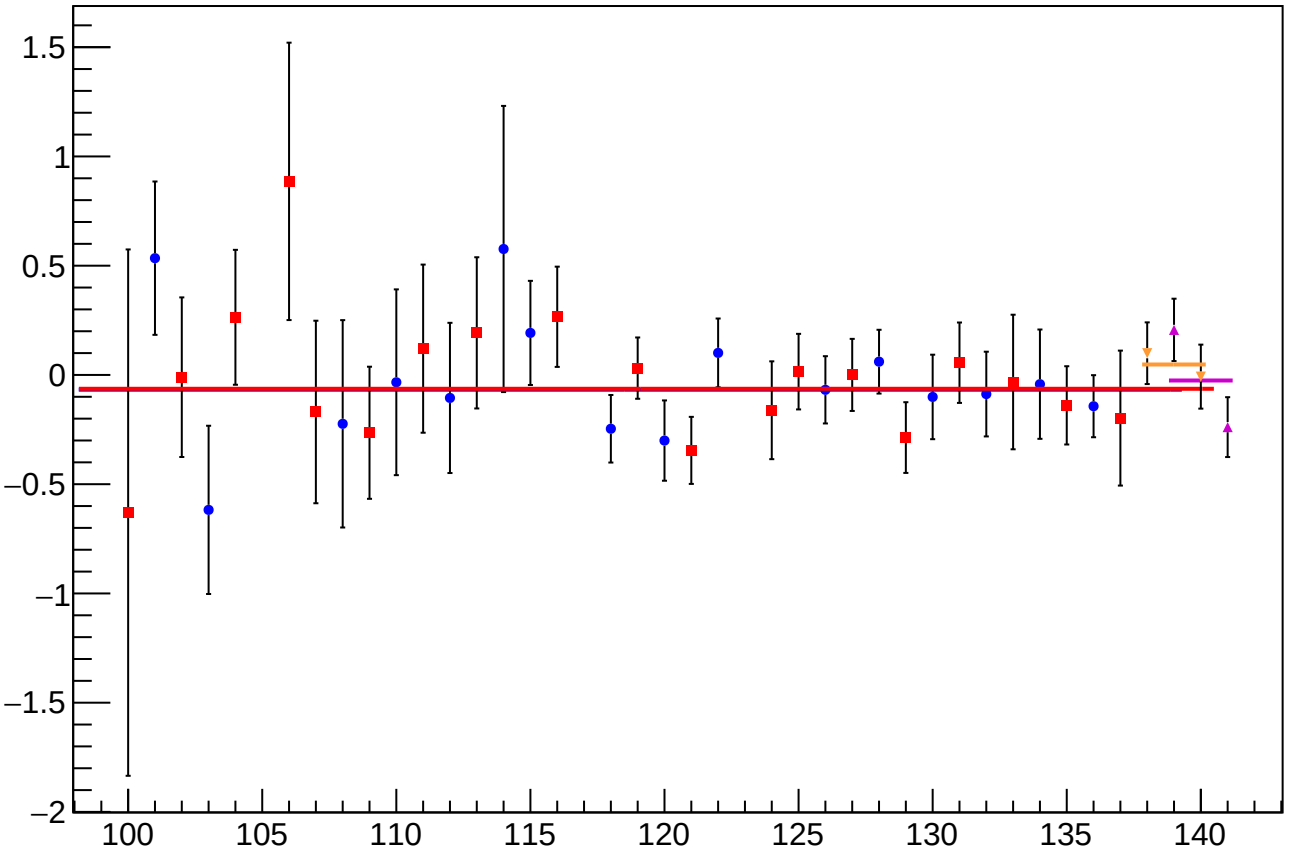
Left: 0.008+/-0.000 χ^2/NDF: 464186.5/3

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5108515.1/17

Out: 0.006+/-0.000 χ^2/NDF:6001856.0/20

All: 0.006+/-0.000 χ^2/NDF: 11322133.2/38



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.048+/-0.102 χ^2/NDF:0.3/1

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.025+/-0.099 χ^2/NDF:5.1/1

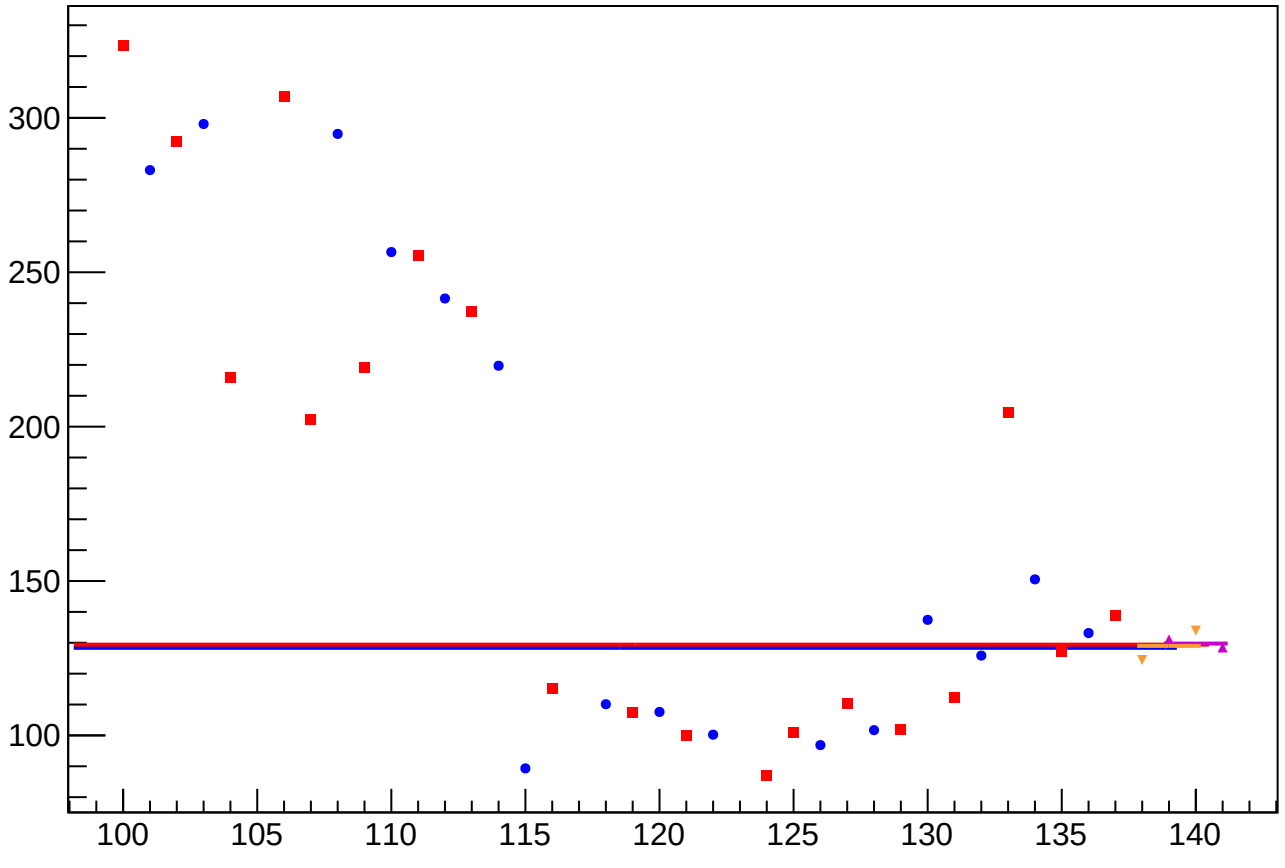
Left: 0.010+/-0.071 χ^2/NDF: 5.6/3

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.046 χ^2/NDF:17.7/17

Out: -0.041+/-0.046 χ^2/NDF:15.3/20

All: -0.049+/-0.032 χ^2/NDF: 33.0/38



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 128.992+/-0.072 χ^2/NDF:4377.0/1

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 129.743+/-0.070 χ^2/NDF:344.0/1

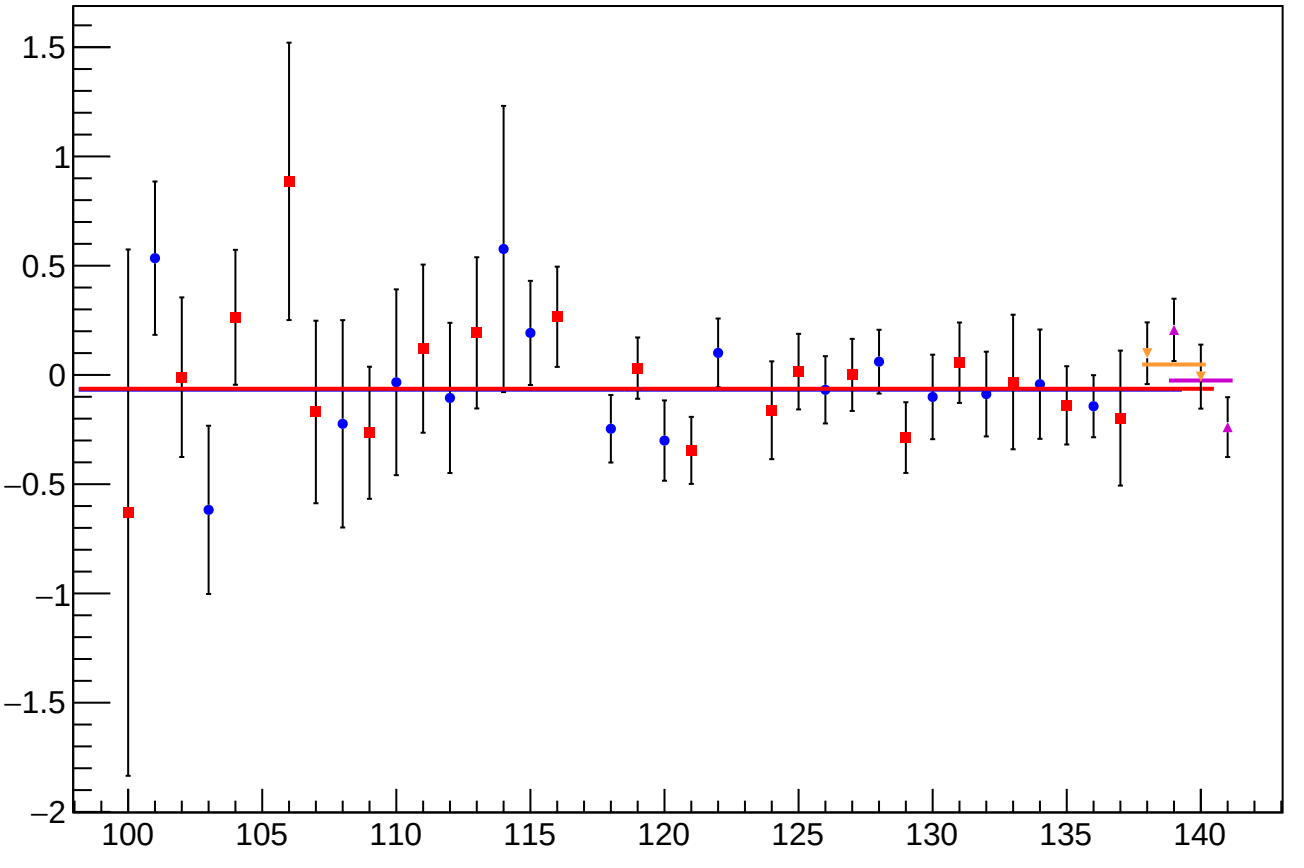
Left: 129.378+/-0.050 χ^2/NDF: 4777.1/3

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.671+/-0.032 χ^2/NDF:1805670.4/17

Out: 129.313+/-0.033 χ^2/NDF:1892675.0/20

All: 128.991+/-0.023 χ^2/NDF: 3698540.7/38



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.048+/-0.102 χ^2/NDF:0.3/1

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.025+/-0.099 χ^2/NDF:5.1/1

Left: 0.010+/-0.071 χ^2/NDF: 5.6/3

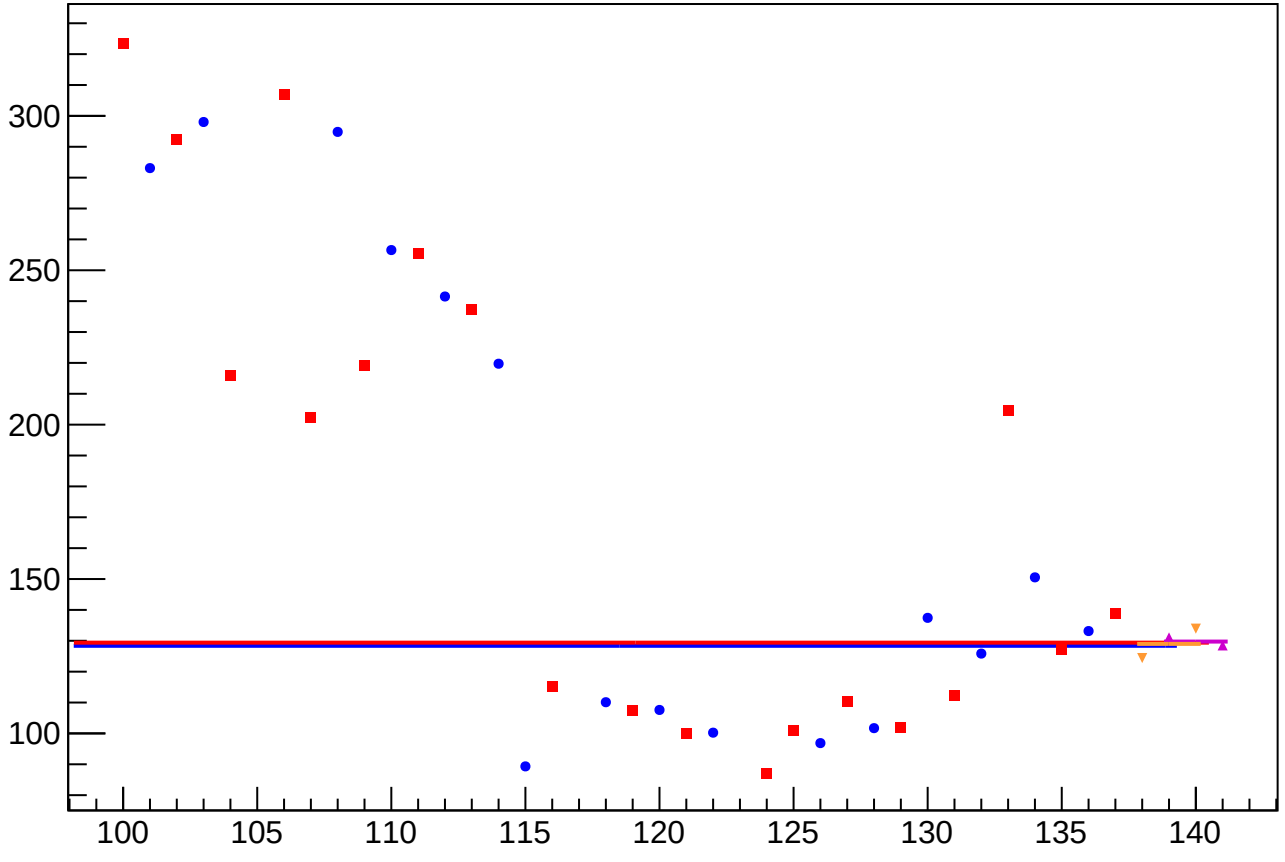
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.046 χ^2/NDF:17.7/17

Out: -0.041+/-0.046 χ^2/NDF:15.3/20

All: -0.049+/-0.032 χ^2/NDF: 33.0/38

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 128.992+/-0.072 χ^2/NDF:4377.0/1

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 129.743+/-0.070 χ^2/NDF:344.0/1

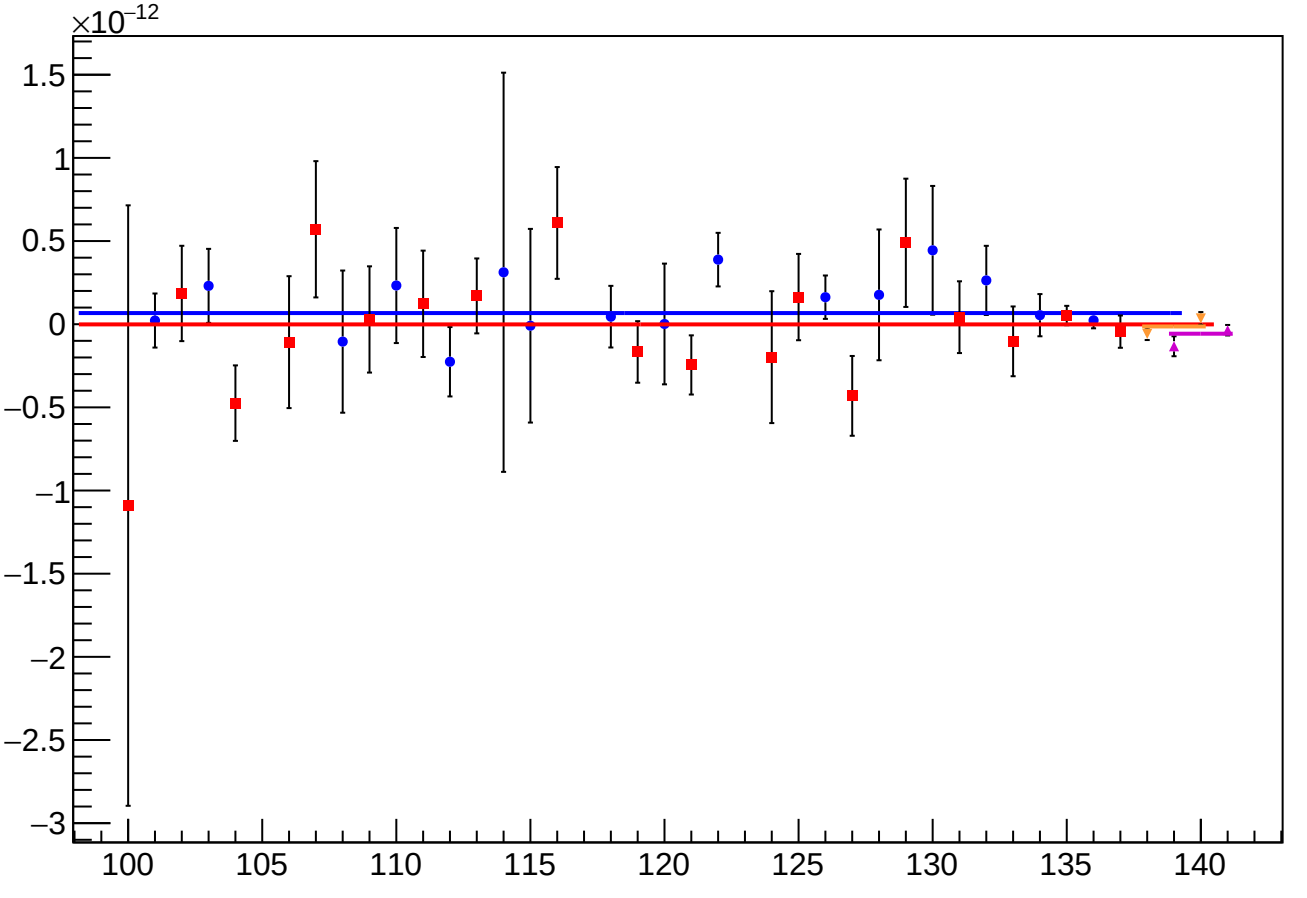
Left: 129.378+/-0.050 χ^2/NDF: 4777.1/3

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.671+/-0.032 χ^2/NDF:1805670.4/17

Out: 129.313+/-0.033 χ^2/NDF:1892675.0/20

All: 128.991+/-0.023 χ^2/NDF: 3698540.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/1

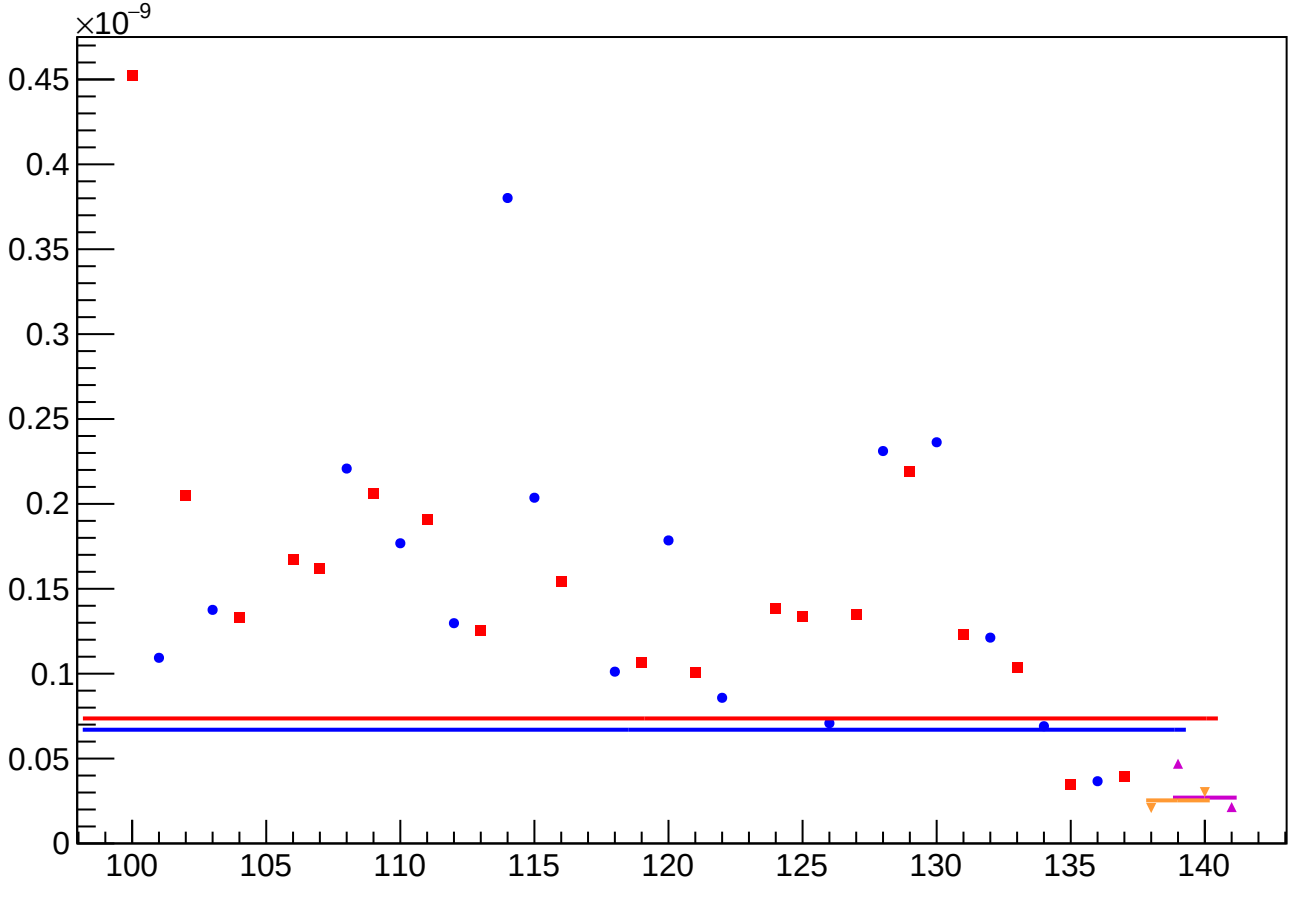
Left: -0.000+/-0.000 χ^2/NDF: 6.4/3

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:19.8/17

Out: -0.000+/-0.000 χ^2/NDF:23.8/20

All: -0.000+/-0.000 χ^2/NDF: 43.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:62302.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:284070.1/1

Left: 0.000+/-0.000 χ^2/NDF: 349944.1/3

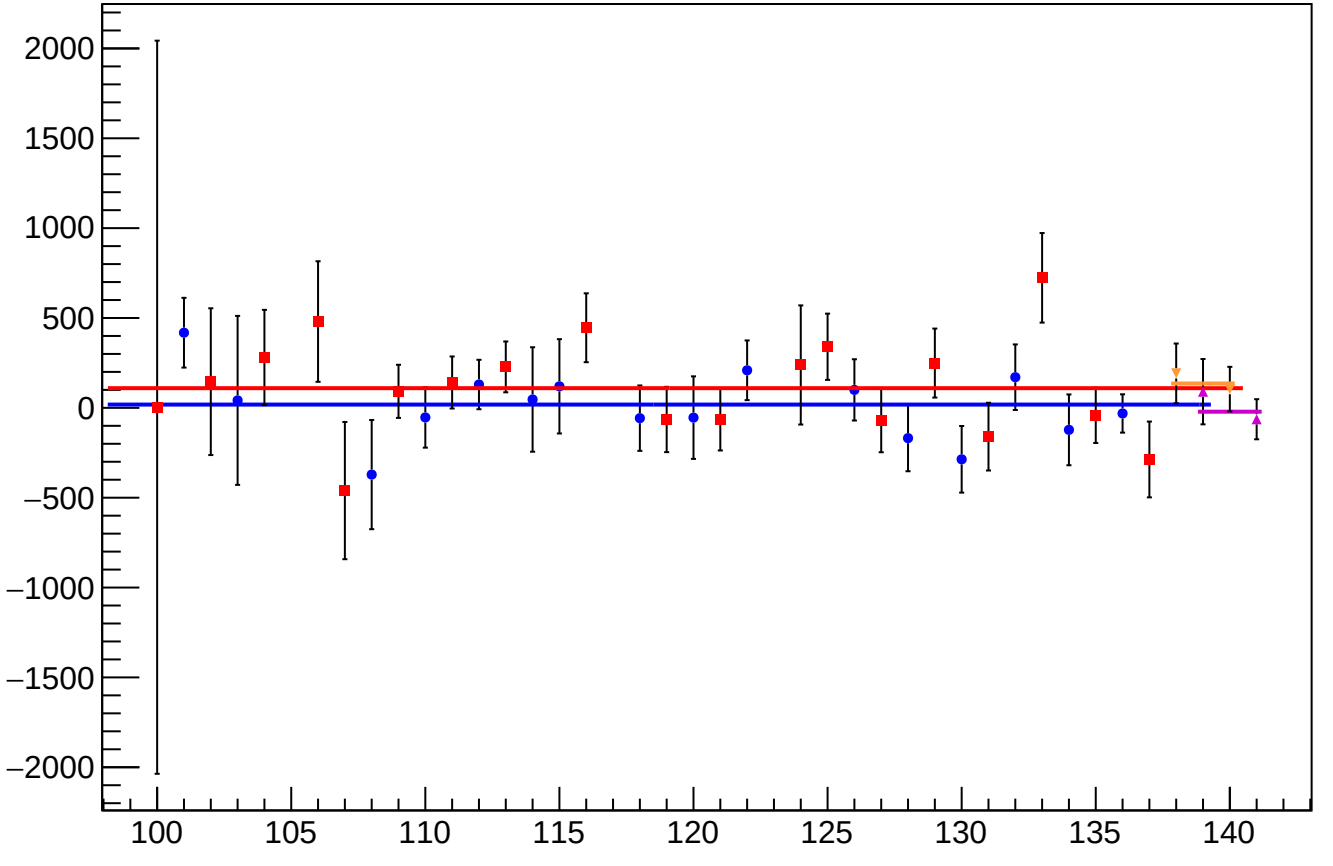
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:4998103.4/17

Out: 0.000+/-0.000 χ^2/NDF:5780098.5/20

All: 0.000+/-0.000 χ^2/NDF: 10783004.6/38

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 135.544+/-99.463 χ^2/NDF:0.2/1

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: -21.460+/-95.059 χ^2/NDF:0.5/1

Left: 53.489+/-68.721 χ^2/NDF: 2.0/3

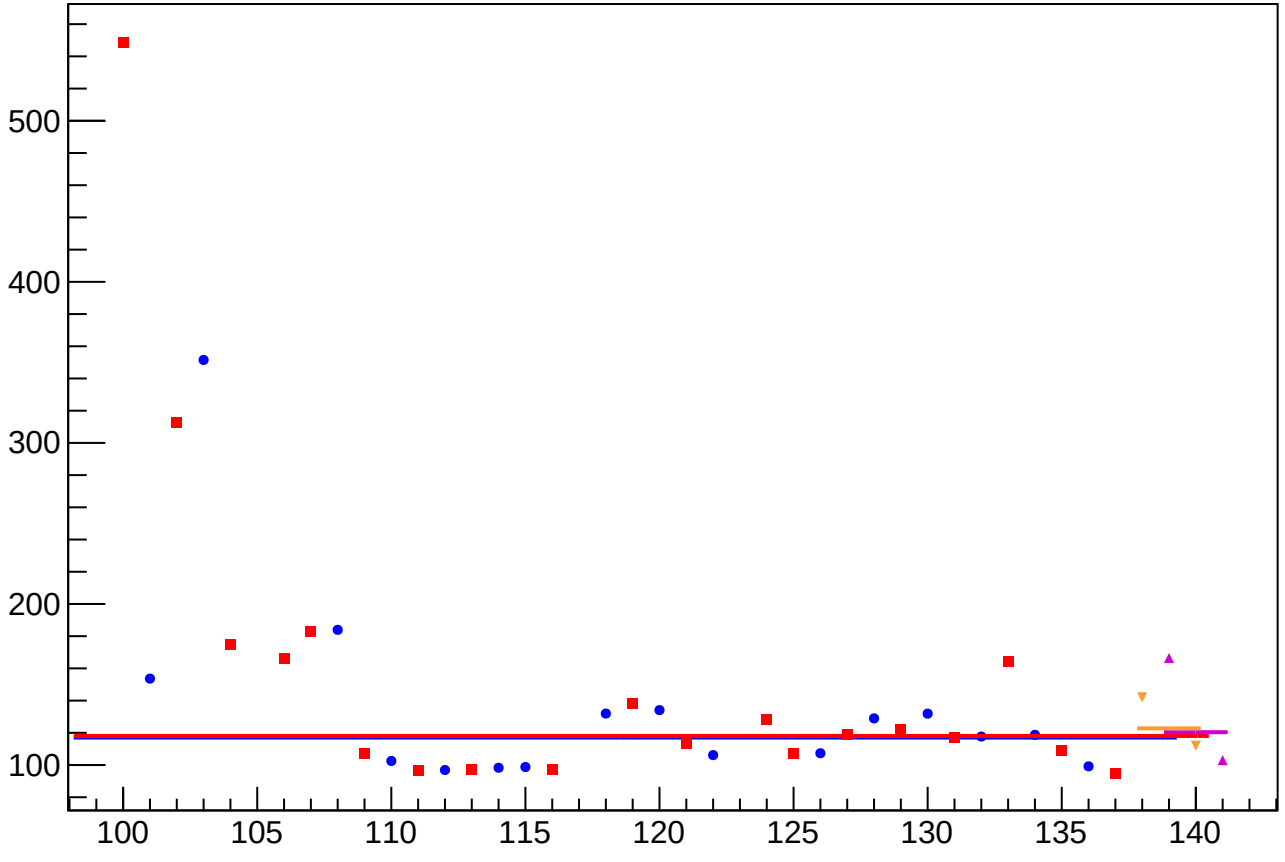
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 10.757+/-41.190 χ^2/NDF:14.5/17

Out: 114.005+/-41.620 χ^2/NDF:25.7/20

All: 61.845+/-29.277 χ^2/NDF: 43.3/38

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 122.765+/-0.070 χ^2/NDF:41947.5/1

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 120.376+/-0.067 χ^2/NDF:177044.0/1

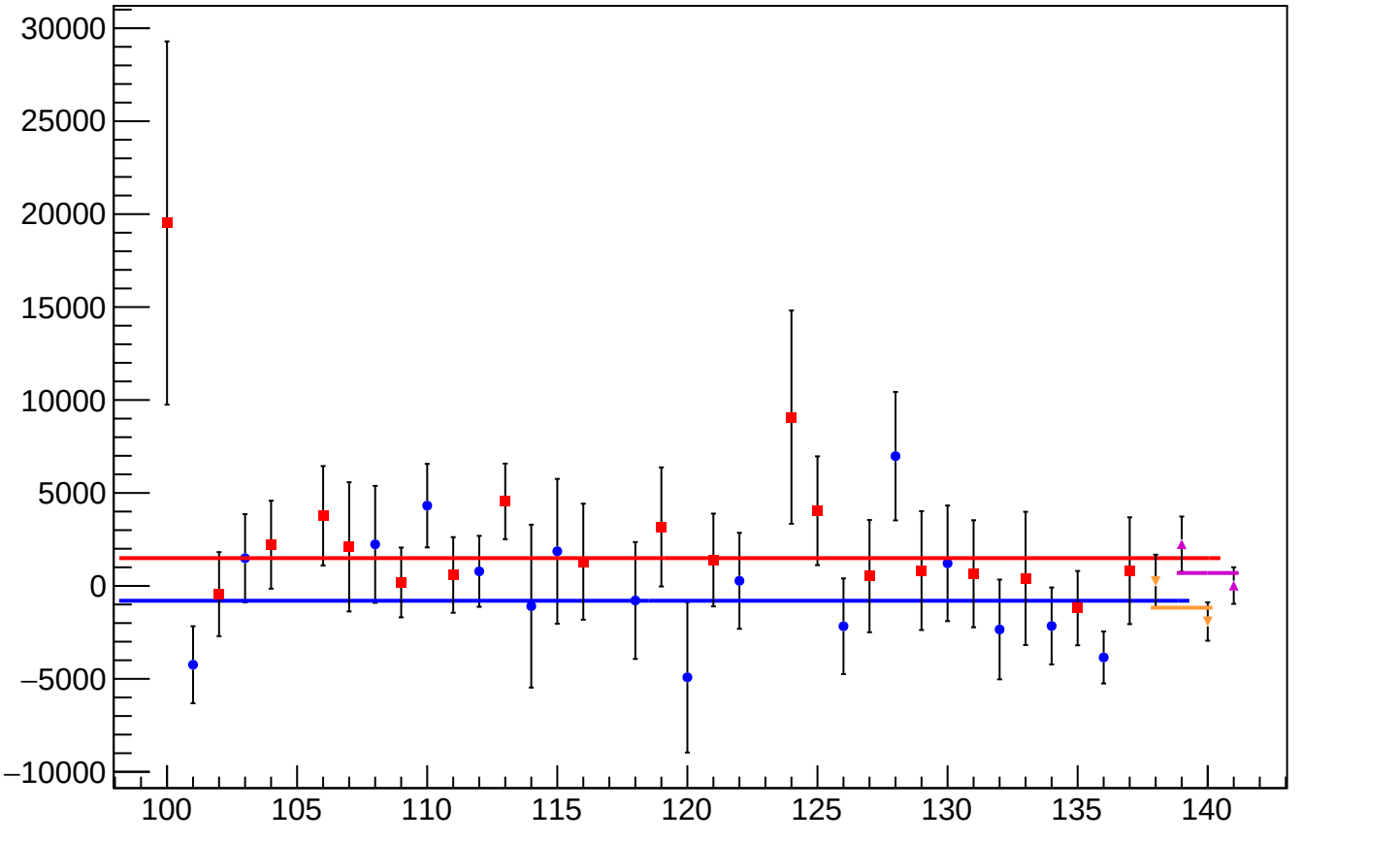
Left: 121.516+/-0.049 χ^2/NDF: 219594.8/3

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 117.685+/-0.029 χ^2/NDF:1037418.3/17

Out: 118.882+/-0.029 χ^2/NDF:1036391.5/20

All: 118.277+/-0.021 χ^2/NDF: 2074645.8/38



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1172.283+/-836.659 χ^2/NDF:1.5/1

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 695.237+/-820.342 χ^2/NDF:1.6/1

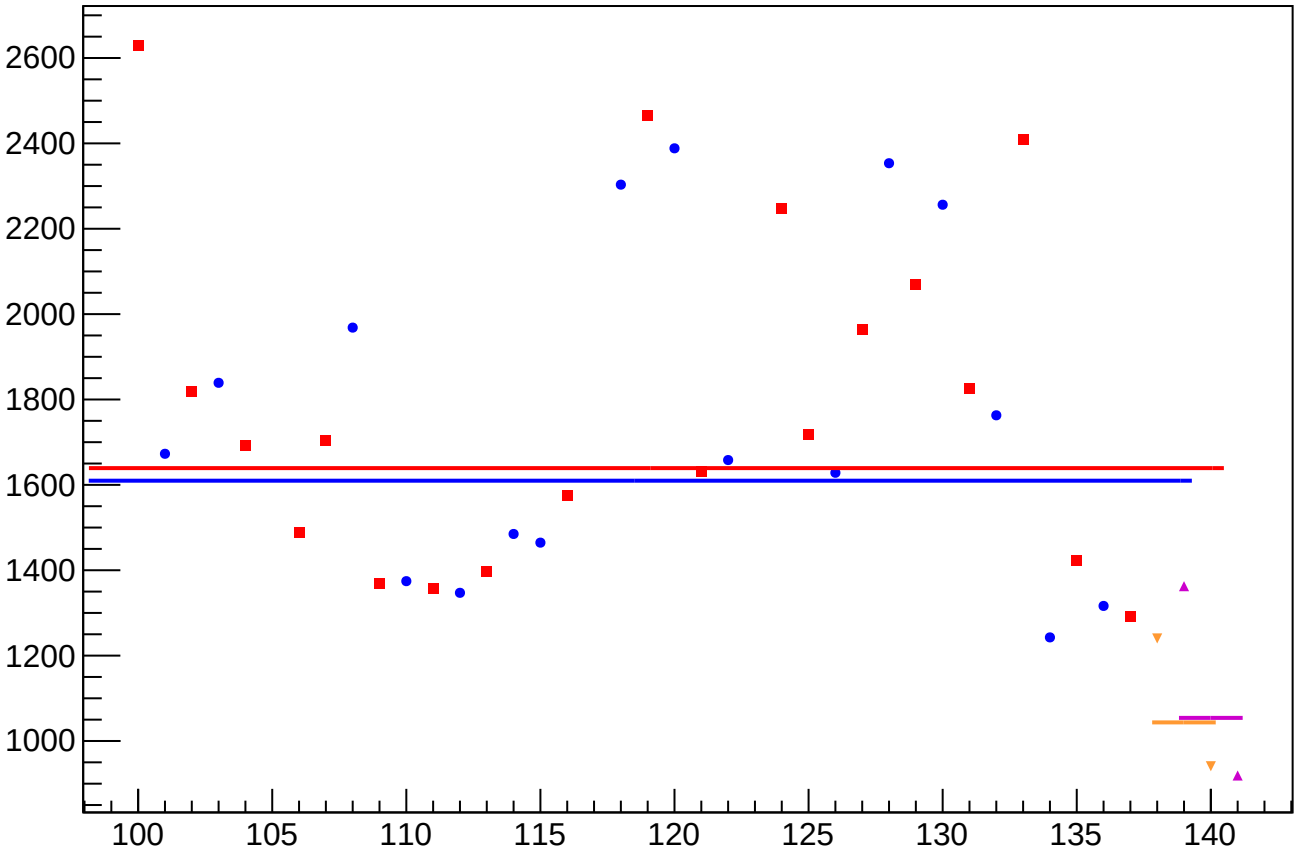
Left: -220.135+/-585.753 χ^2/NDF: 5.6/3

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -260.318+/-492.590 χ^2/NDF:27.1/17

Out: 562.401+/-494.532 χ^2/NDF:21.0/20

All: 149.423+/-348.998 χ^2/NDF: 49.5/38



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 1043.557+/-0.592 χ^2/NDF:57744.0/1

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 1054.137+/-0.580 χ^2/NDF:123766.5/1

Left: 1048.951+/-0.414 χ^2/NDF: 181673.5/3

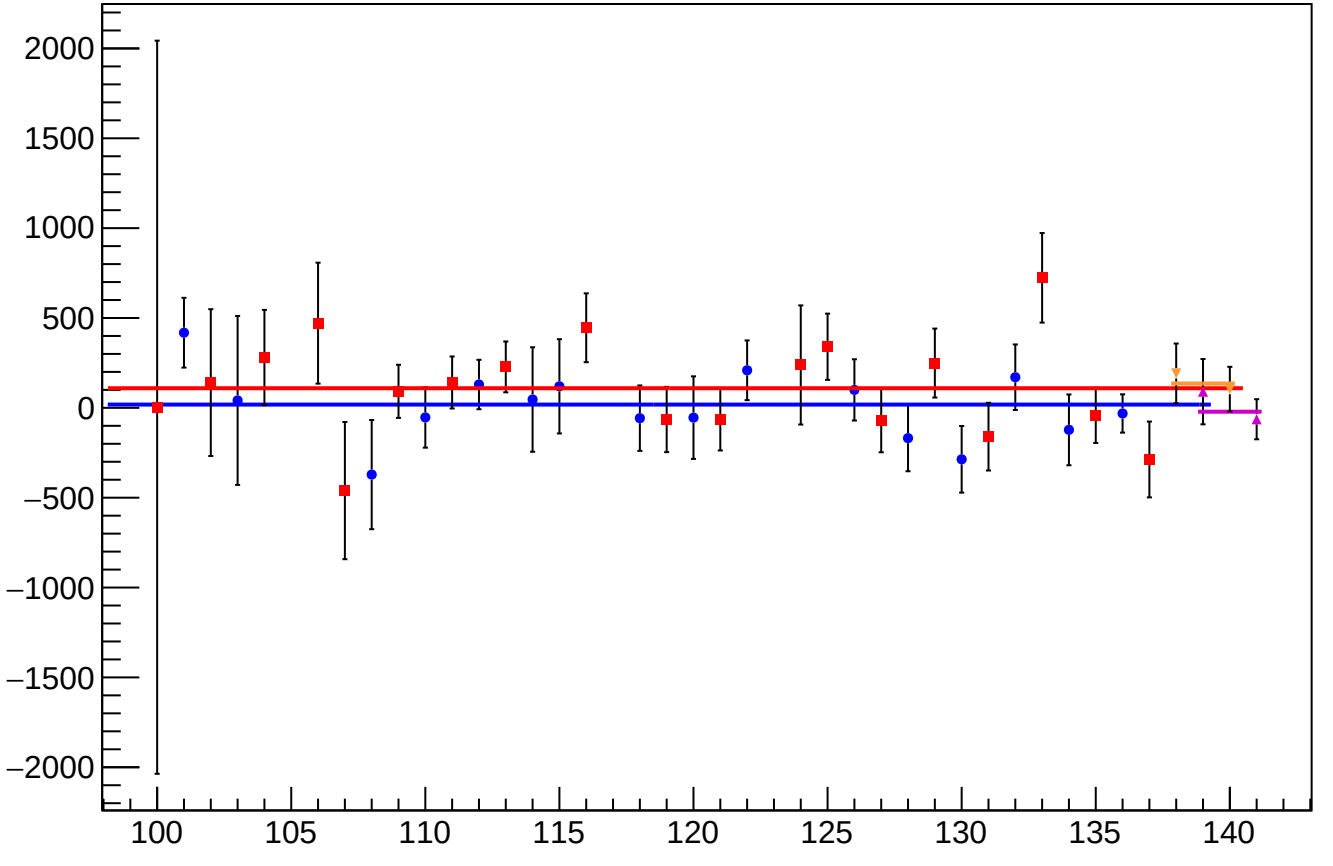
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1409.437+/-0.348 χ^2/NDF:1329616.1/17

Out: 1431.124+/-0.350 χ^2/NDF:1237547.4/20

All: 1420.238+/-0.247 χ^2/NDF: 2569094.3/38

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 135.563+/-99.463 χ^2/NDF:0.2/1

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: -21.461+/-95.059 χ^2/NDF:0.5/1

Left: 53.498+/-68.721 χ^2/NDF: 2.0/3

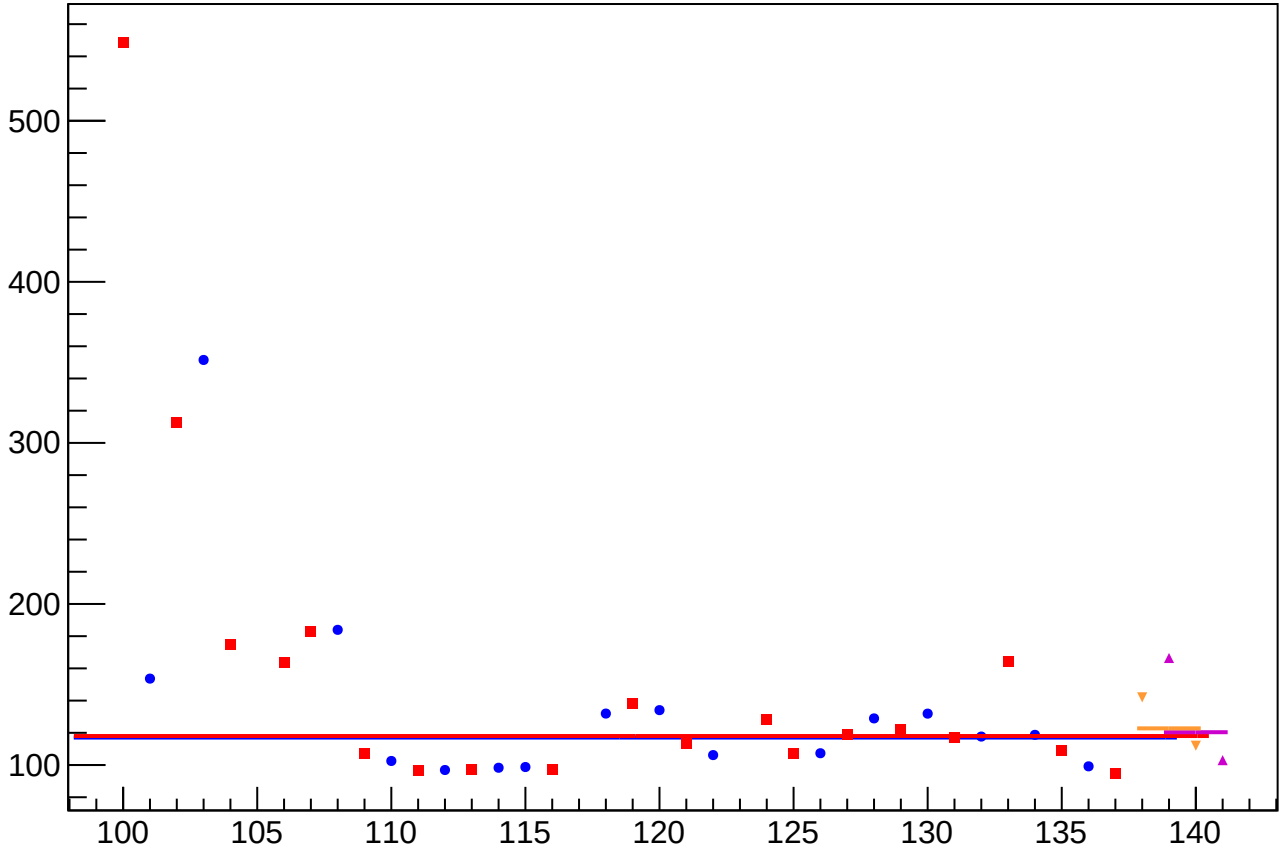
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 10.746+/-41.190 χ^2/NDF:14.5/17

Out: 113.776+/-41.622 χ^2/NDF:25.6/20

All: 61.724+/-29.277 χ^2/NDF: 43.3/38

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 122.765+/-0.070 χ^2/NDF:41947.5/1

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 120.376+/-0.067 χ^2/NDF:177044.0/1

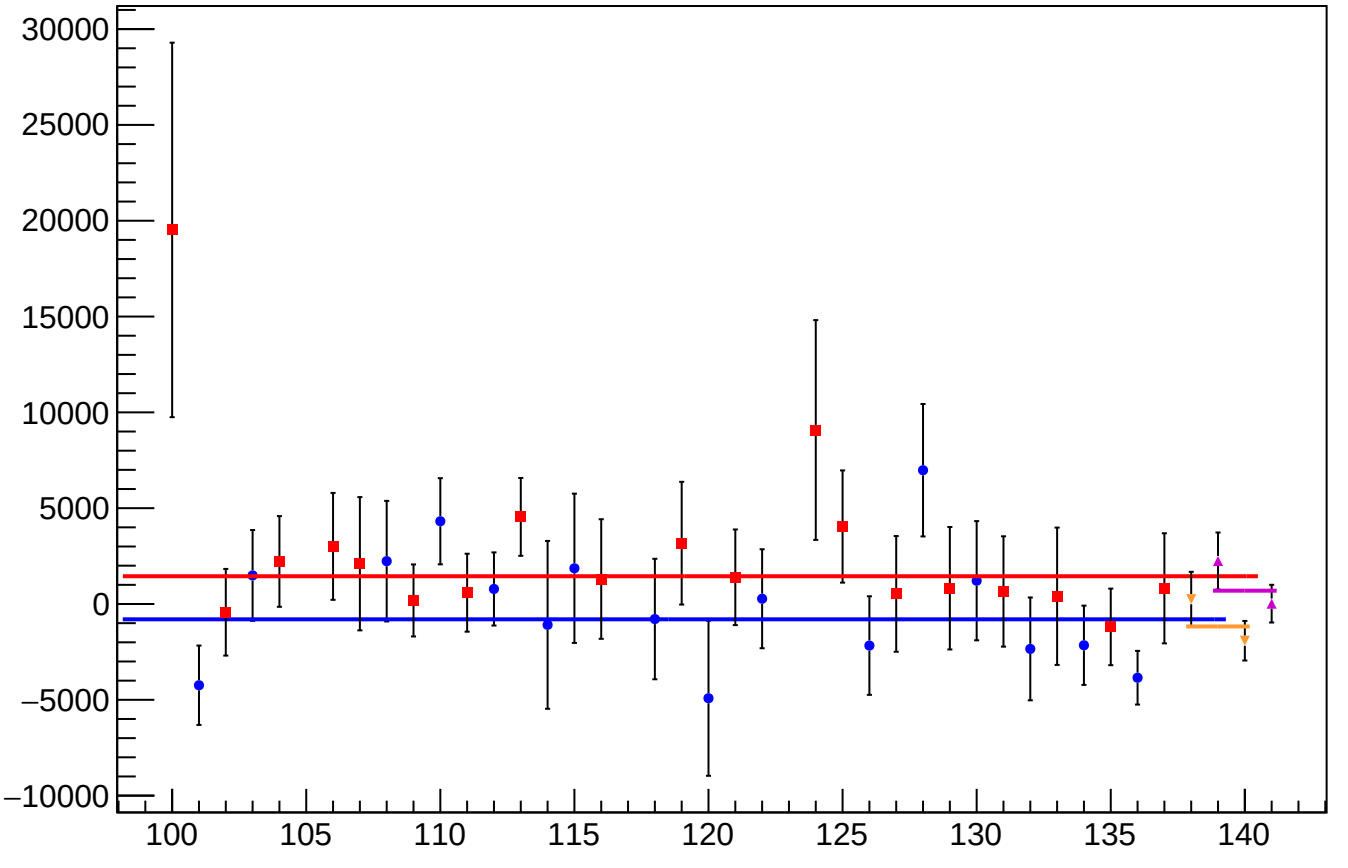
Left: 121.516+/-0.049 χ^2/NDF: 219594.8/3

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 117.685+/-0.029 χ^2/NDF:1037420.3/17

Out: 118.839+/-0.029 χ^2/NDF:1032279.0/20

All: 118.256+/-0.021 χ^2/NDF: 2070476.9/38



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1172.259+/-836.659 χ^2/NDF:1.5/1

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 695.246+/-820.343 χ^2/NDF:1.6/1

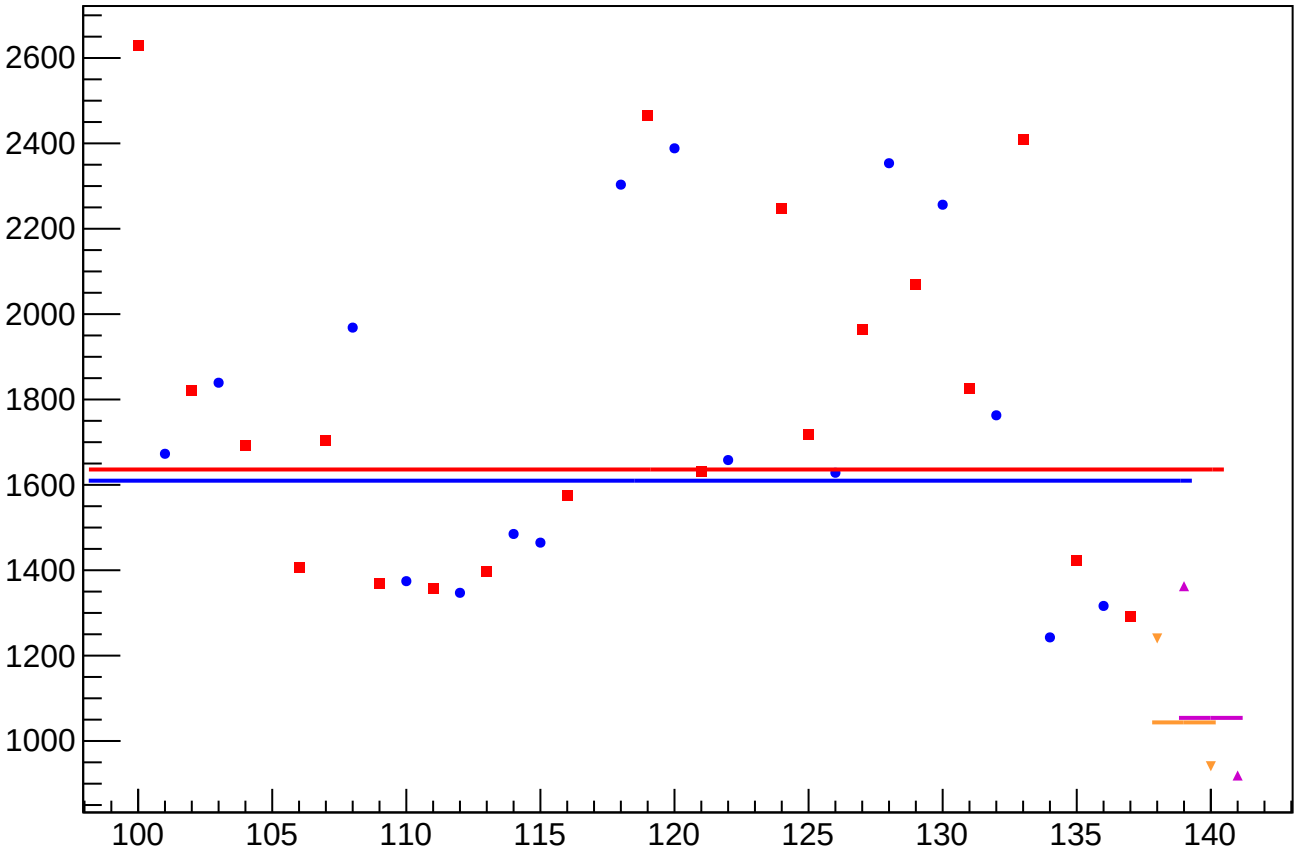
Left: -220.120+/-585.754 χ^2/NDF: 5.6/3

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -260.300+/-492.593 χ^2/NDF:27.1/17

Out: 530.214+/-495.238 χ^2/NDF:20.3/20

All: 132.841+/-349.247 χ^2/NDF: 48.7/38



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1043.557+/-0.592 χ^2/NDF:57744.1/1

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 1054.139+/-0.580 χ^2/NDF:123764.9/1

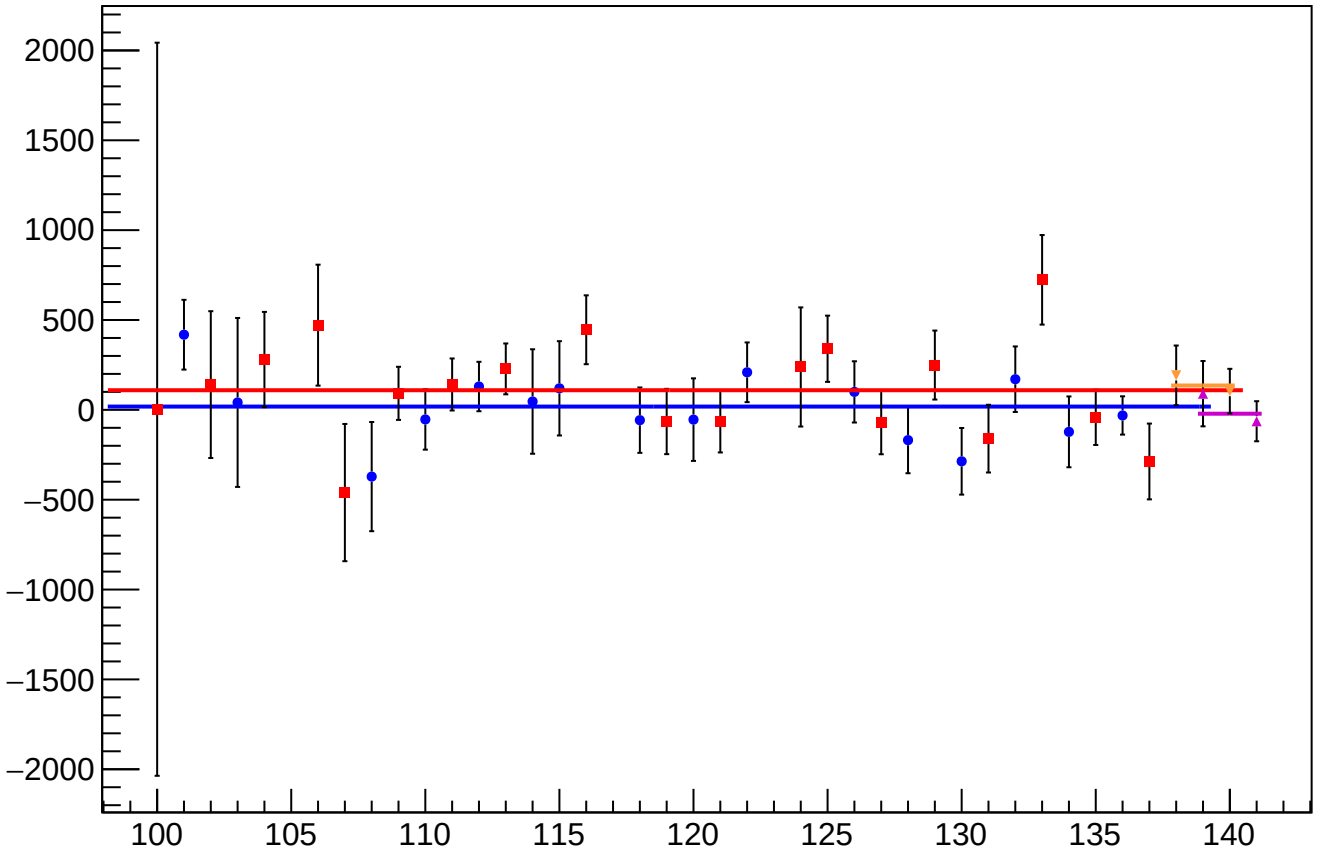
Left: 1048.952+/-0.414 χ^2/NDF: 181672.2/3

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1409.441+/-0.348 χ^2/NDF:1329656.0/17

Out: 1428.454+/-0.350 χ^2/NDF:1237119.4/20

All: 1418.897+/-0.247 χ^2/NDF: 2568257.2/38



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 135.563+/-99.463 χ^2/NDF:0.2/1

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: -21.461+/-95.059 χ^2/NDF:0.5/1

Left: 53.498+/-68.721 χ^2/NDF: 2.0/3

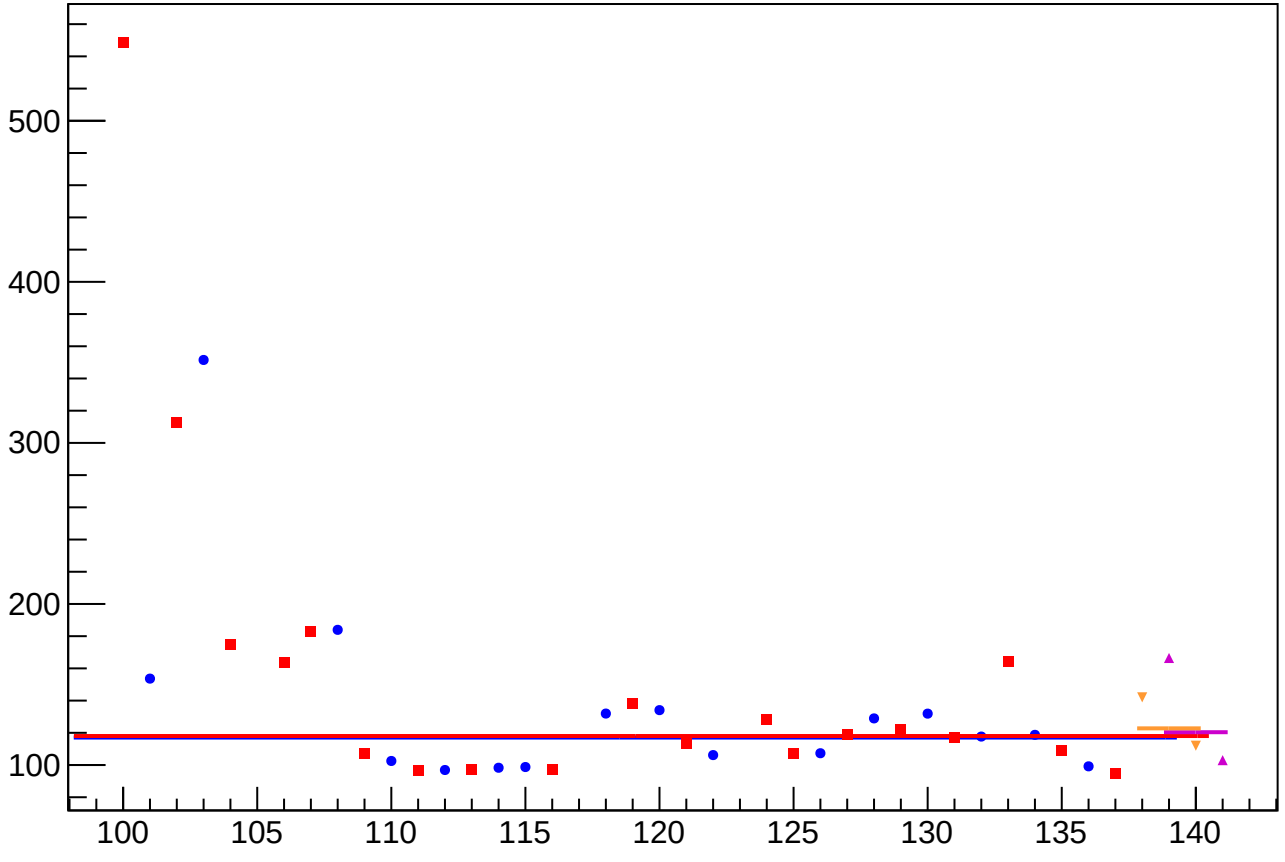
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 10.746+/-41.190 χ^2/NDF:14.5/17

Out: 113.776+/-41.622 χ^2/NDF:25.6/20

All: 61.724+/-29.277 χ^2/NDF: 43.3/38

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 122.765+/-0.070 χ^2/NDF:41947.5/1

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 120.376+/-0.067 χ^2/NDF:177044.0/1

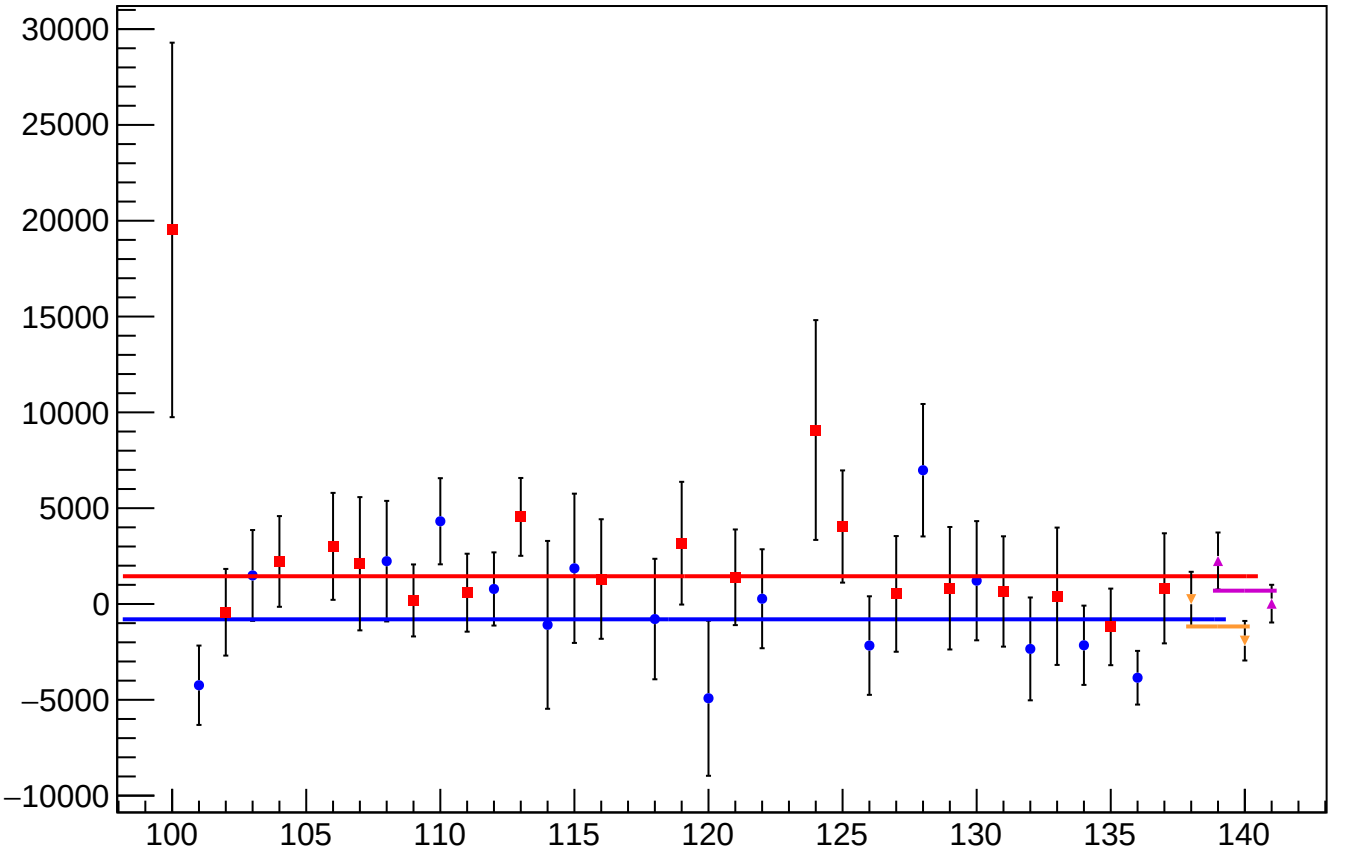
Left: 121.516+/-0.049 χ^2/NDF: 219594.8/3

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 117.685+/-0.029 χ^2/NDF:1037420.3/17

Out: 118.839+/-0.029 χ^2/NDF:1032279.0/20

All: 118.256+/-0.021 χ^2/NDF: 2070476.9/38



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1172.259+/-836.659 χ^2/NDF:1.5/1

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 695.246+/-820.343 χ^2/NDF:1.6/1

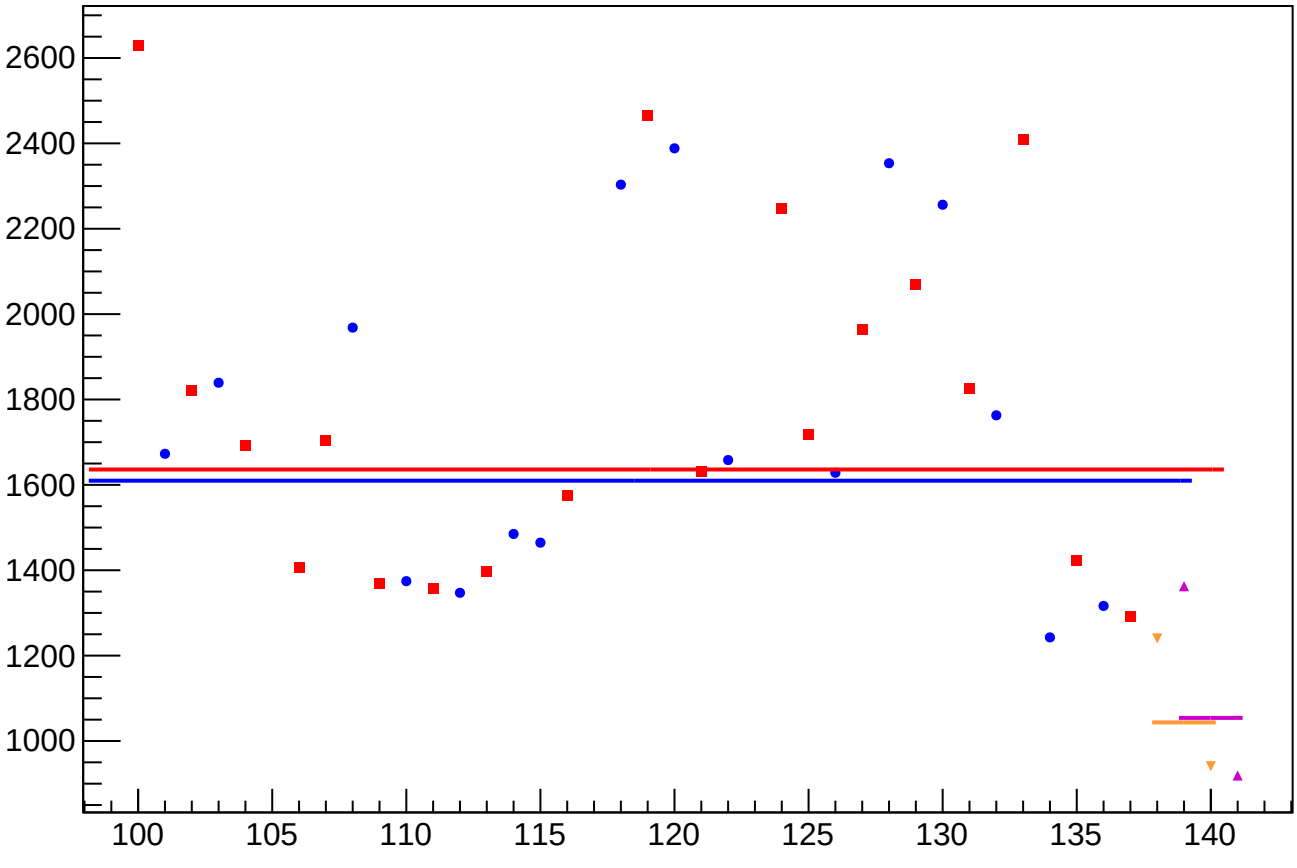
Left: -220.120+/-585.754 χ^2/NDF: 5.6/3

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -260.300+/-492.593 χ^2/NDF:27.1/17

Out: 530.214+/-495.238 χ^2/NDF:20.3/20

All: 132.841+/-349.247 χ^2/NDF: 48.7/38



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1043.557+/-0.592 χ^2/NDF:57744.1/1

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 1054.139+/-0.580 χ^2/NDF:123764.9/1

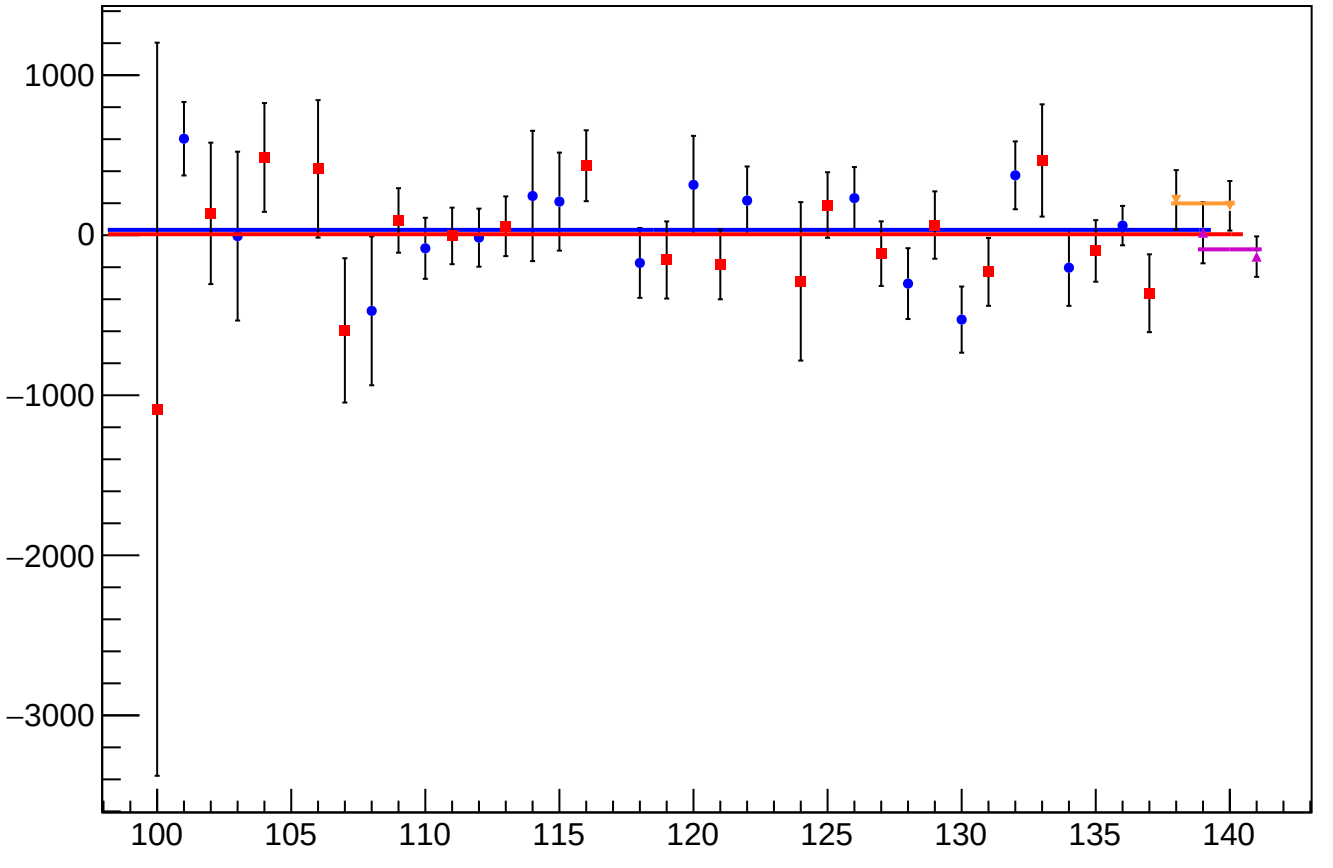
Left: 1048.952+/-0.414 χ^2/NDF: 181672.2/3

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1409.441+/-0.348 χ^2/NDF:1329656.0/17

Out: 1428.454+/-0.350 χ^2/NDF:1237119.4/20

All: 1418.897+/-0.247 χ^2/NDF: 2568257.2/38



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 198.864+/-119.037 χ^2/NDF:0.0/1

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: -88.363+/-105.415 χ^2/NDF:0.4/1

Left: 37.883+/-78.919 χ^2/NDF: 3.7/3

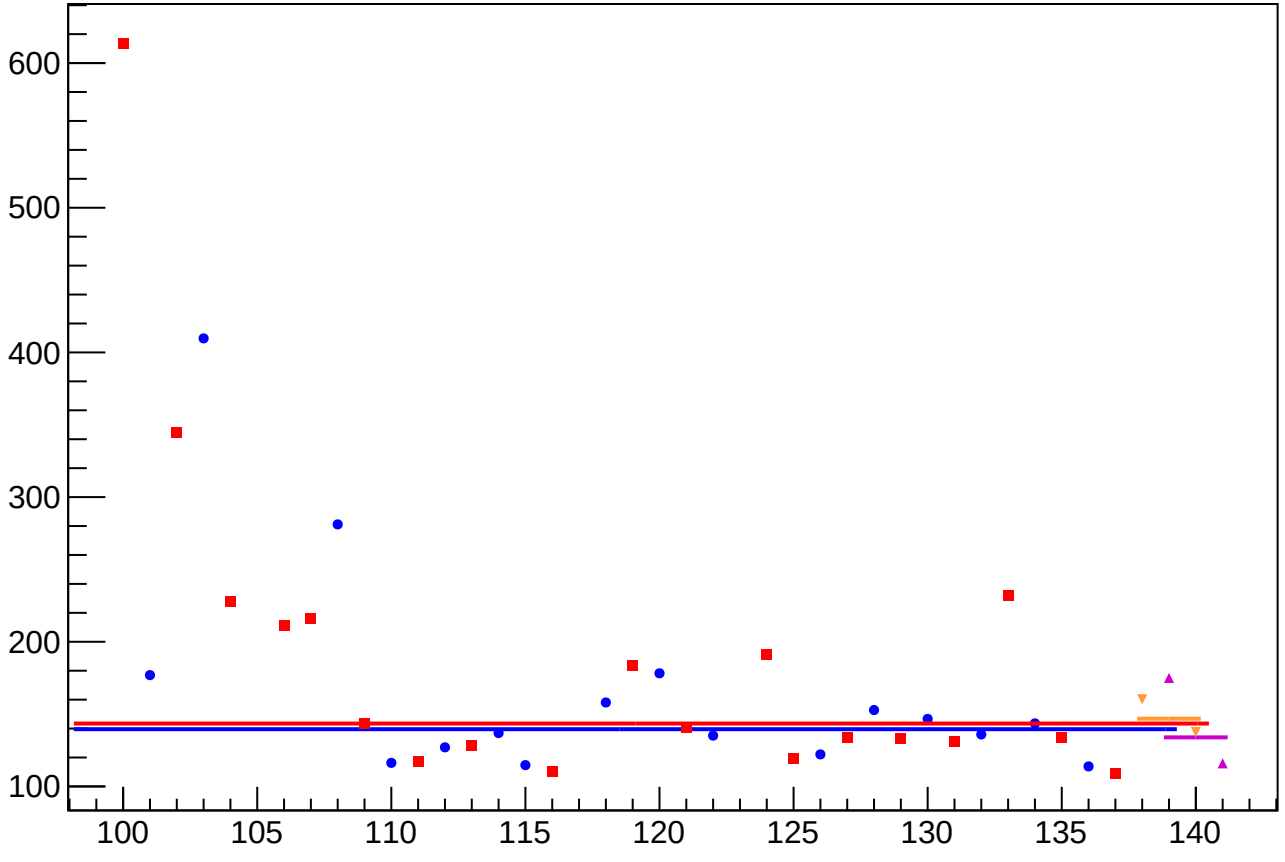
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 7.471+/-48.698 χ^2/NDF:26.7/17

Out: 41.128+/-50.739 χ^2/NDF:19.5/20

All: 23.609+/-35.134 χ^2/NDF: 46.4/38

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 146.844+/-0.084 χ^2/NDF:17503.8/1

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 133.916+/-0.075 χ^2/NDF:132767.9/1

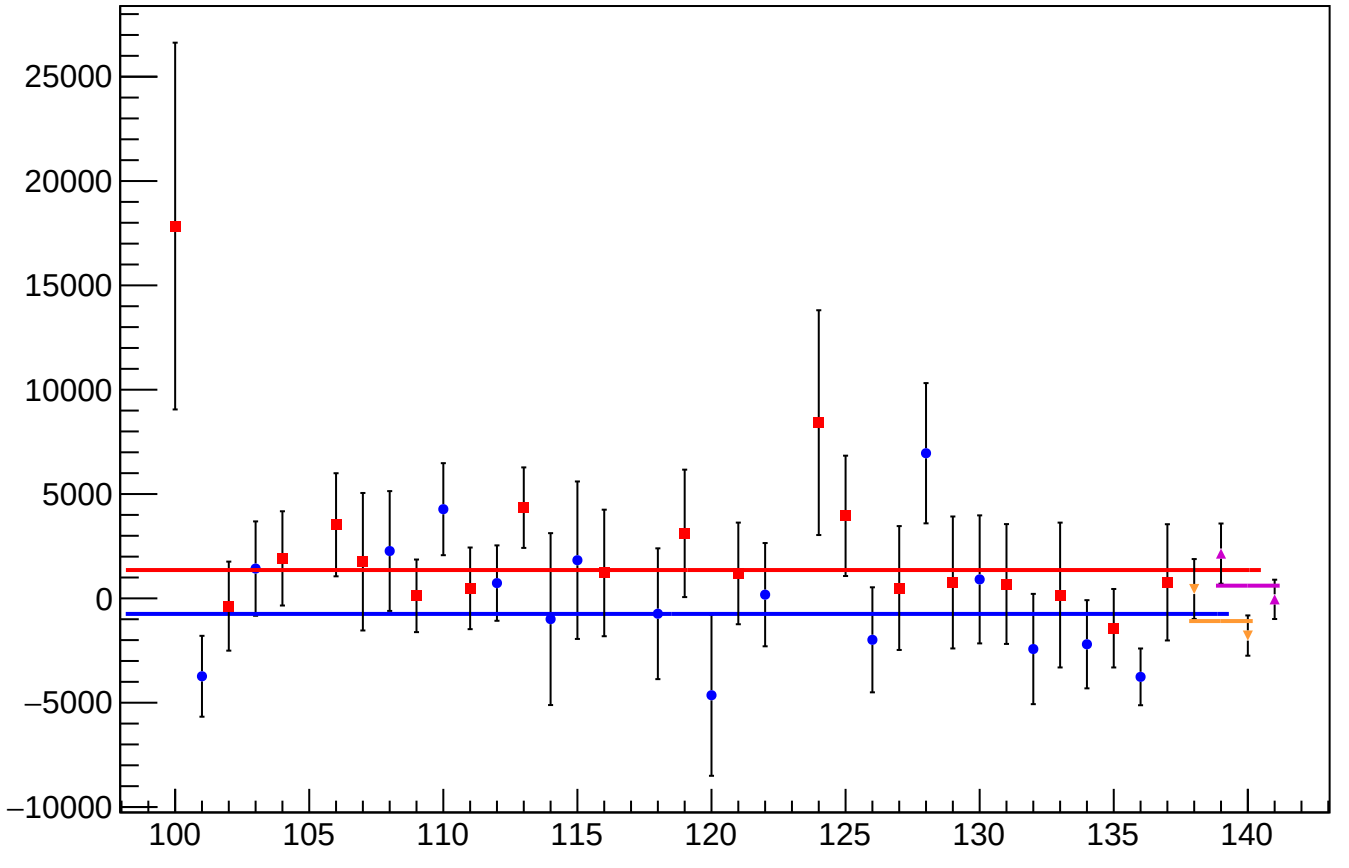
Left: 139.598+/-0.056 χ^2/NDF: 163492.7/3

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 138.361+/-0.034 χ^2/NDF:1114022.3/17

Out: 144.091+/-0.036 χ^2/NDF:1135483.2/20

All: 141.108+/-0.025 χ^2/NDF: 2262782.2/38



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1087.293+/-800.913 χ^2/NDF:1.7/1

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 608.641+/-788.400 χ^2/NDF:1.6/1

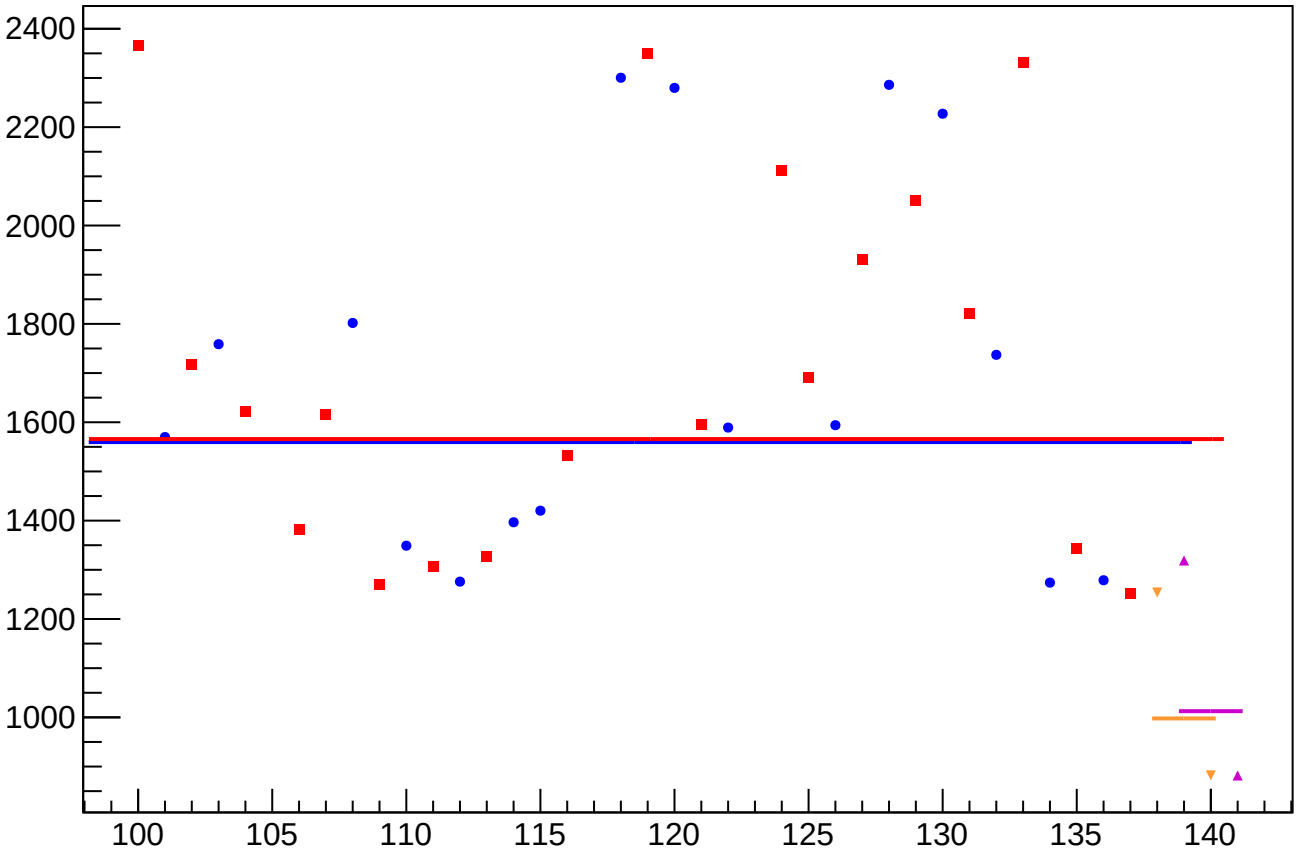
Left: -225.974+/-561.855 χ^2/NDF: 5.6/3

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -252.737+/-475.340 χ^2/NDF:27.0/17

Out: 505.667+/-472.828 χ^2/NDF:21.3/20

All: 128.474+/-335.224 χ^2/NDF: 49.5/38



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 997.833+/-0.566 χ^2/NDF:92399.5/1

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 1012.579+/-0.557 χ^2/NDF:128865.8/1

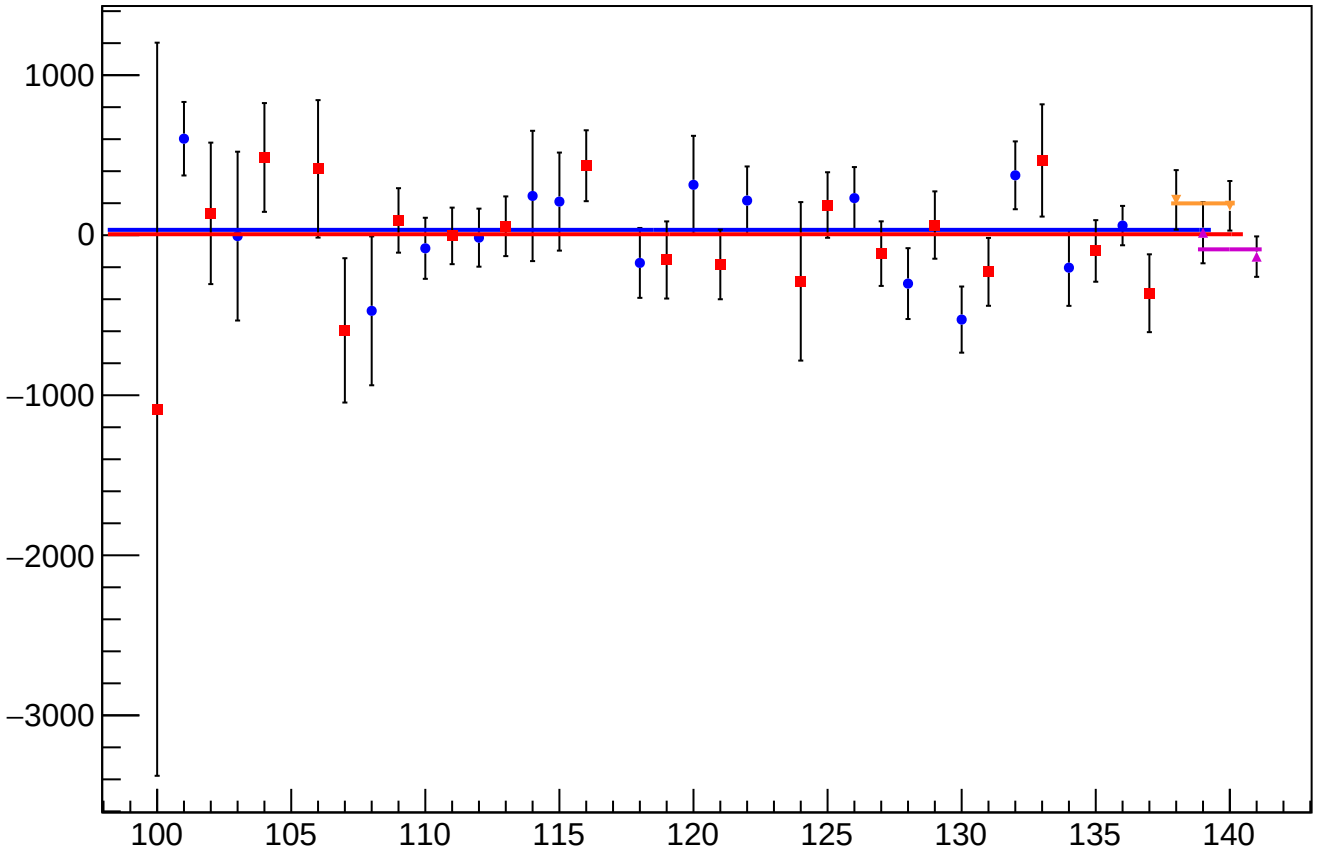
Left: 1005.322+/-0.397 χ^2/NDF: 221609.6/3

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 1360.839+/-0.336 χ^2/NDF:1346204.9/17

Out: 1367.853+/-0.334 χ^2/NDF:1311508.3/20

All: 1364.365+/-0.237 χ^2/NDF: 2657932.1/38



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 198.864+/-119.038 χ^2/NDF:0.0/1

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -88.360+/-105.416 χ^2/NDF:0.4/1

Left: 37.885+/-78.919 χ^2/NDF: 3.7/3

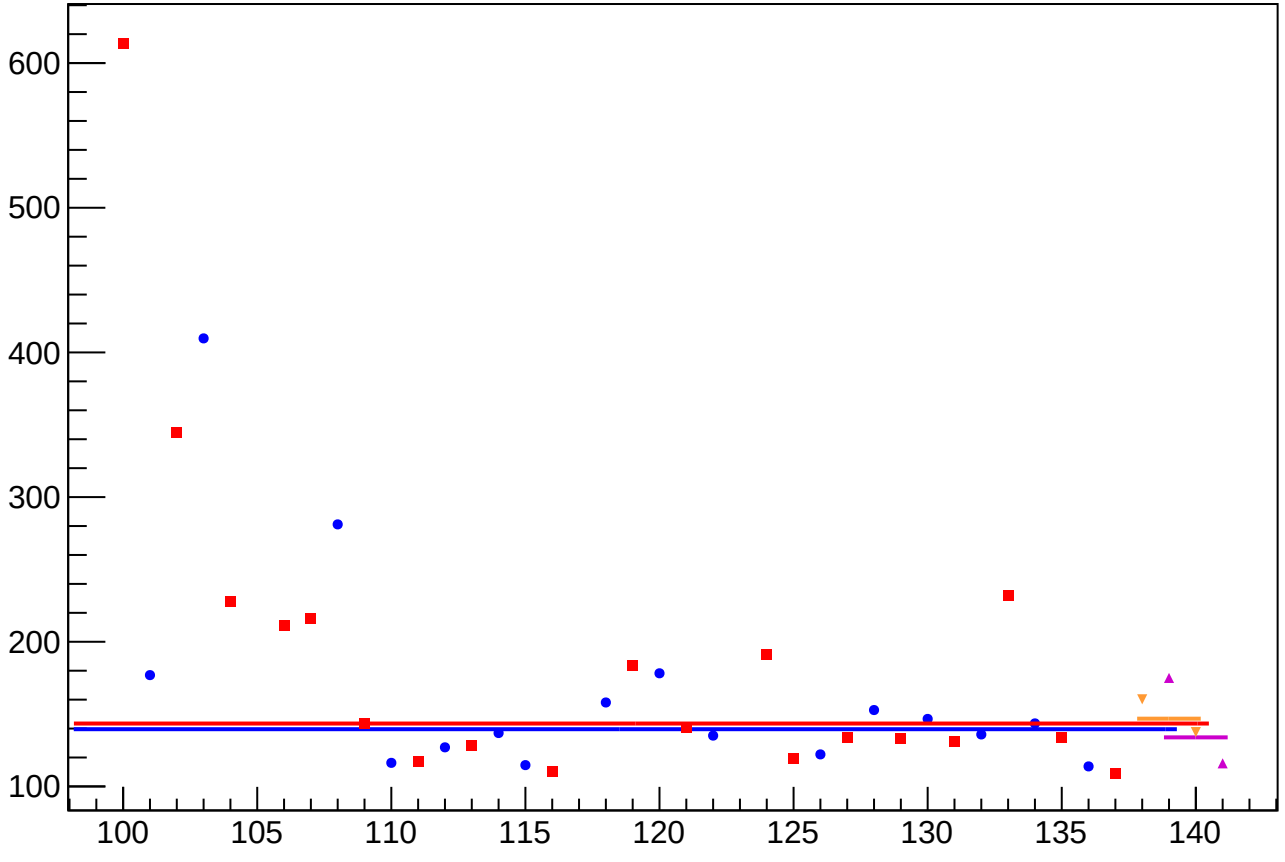
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 7.470+/-48.698 χ^2/NDF:26.7/17

Out: 41.125+/-50.740 χ^2/NDF:19.5/20

All: 23.607+/-35.134 χ^2/NDF: 46.4/38

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 146.844+/-0.084 χ^2/NDF:17503.4/1

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 133.916+/-0.075 χ^2/NDF:132765.0/1

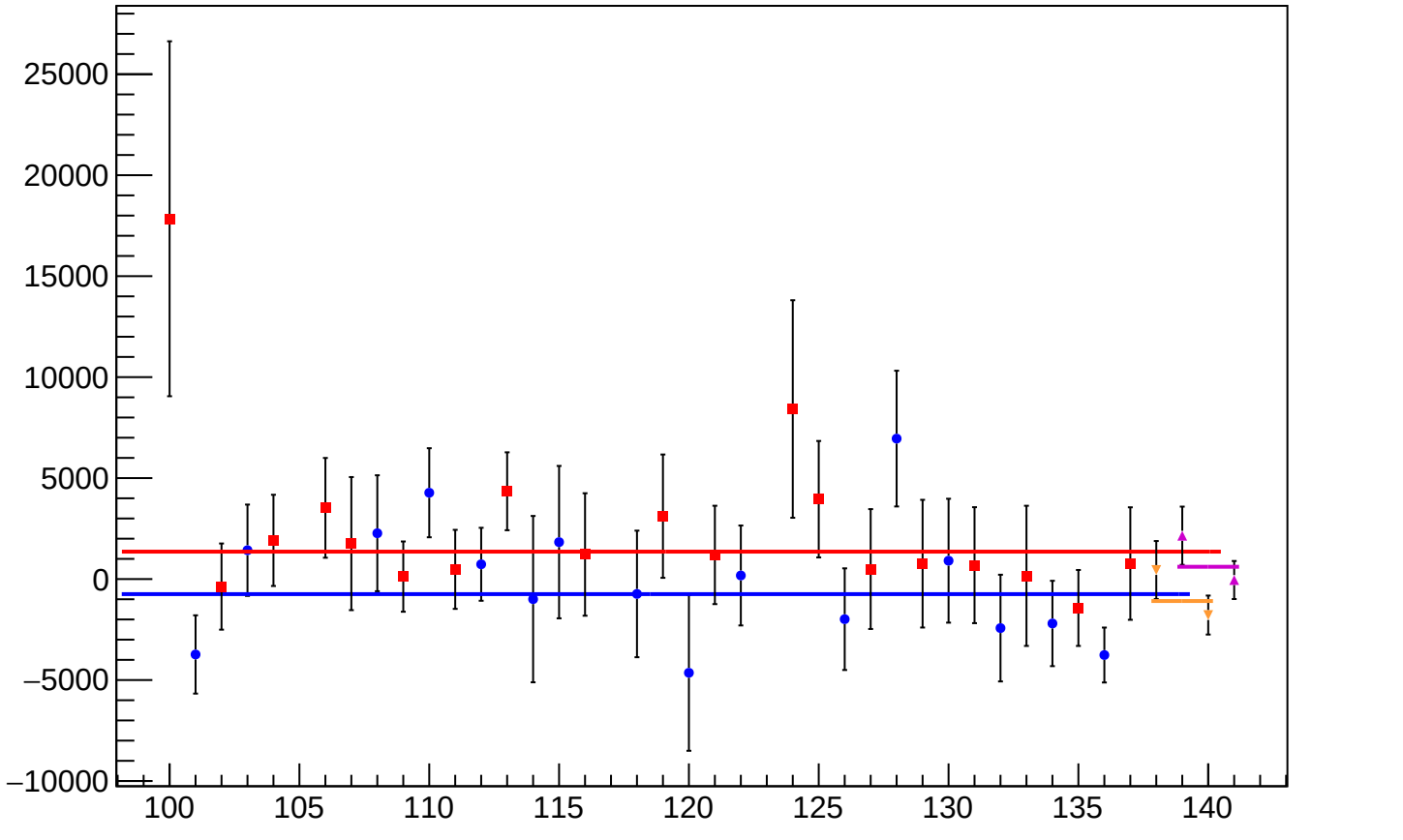
Left: 139.599+/-0.056 χ^2/NDF: 163489.7/3

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 138.361+/-0.034 χ^2/NDF:1114021.8/17

Out: 144.091+/-0.036 χ^2/NDF:1135489.3/20

All: 141.108+/-0.025 χ^2/NDF: 2262788.5/38



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1087.295+/-800.913 χ^2/NDF:1.7/1

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 608.641+/-788.400 χ^2/NDF:1.6/1

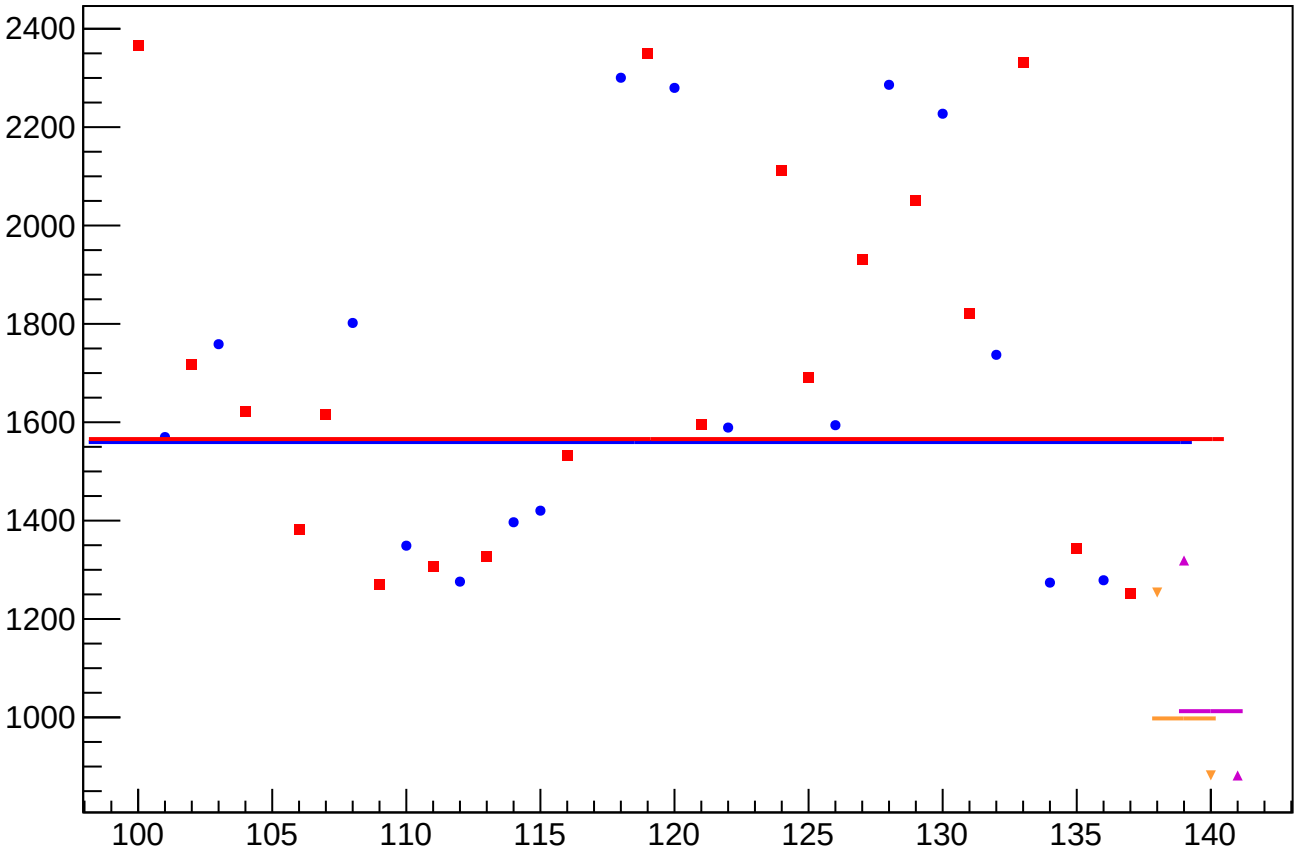
Left: -225.975+/-561.855 χ^2/NDF: 5.6/3

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -252.735+/-475.339 χ^2/NDF:27.0/17

Out: 505.668+/-472.828 χ^2/NDF:21.3/20

All: 128.475+/-335.224 χ^2/NDF: 49.5/38



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 997.833+/-0.566 χ^2/NDF:92401.1/1

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 1012.578+/-0.557 χ^2/NDF:128867.2/1

Left: 1005.322+/-0.397 χ^2/NDF: 221612.5/3

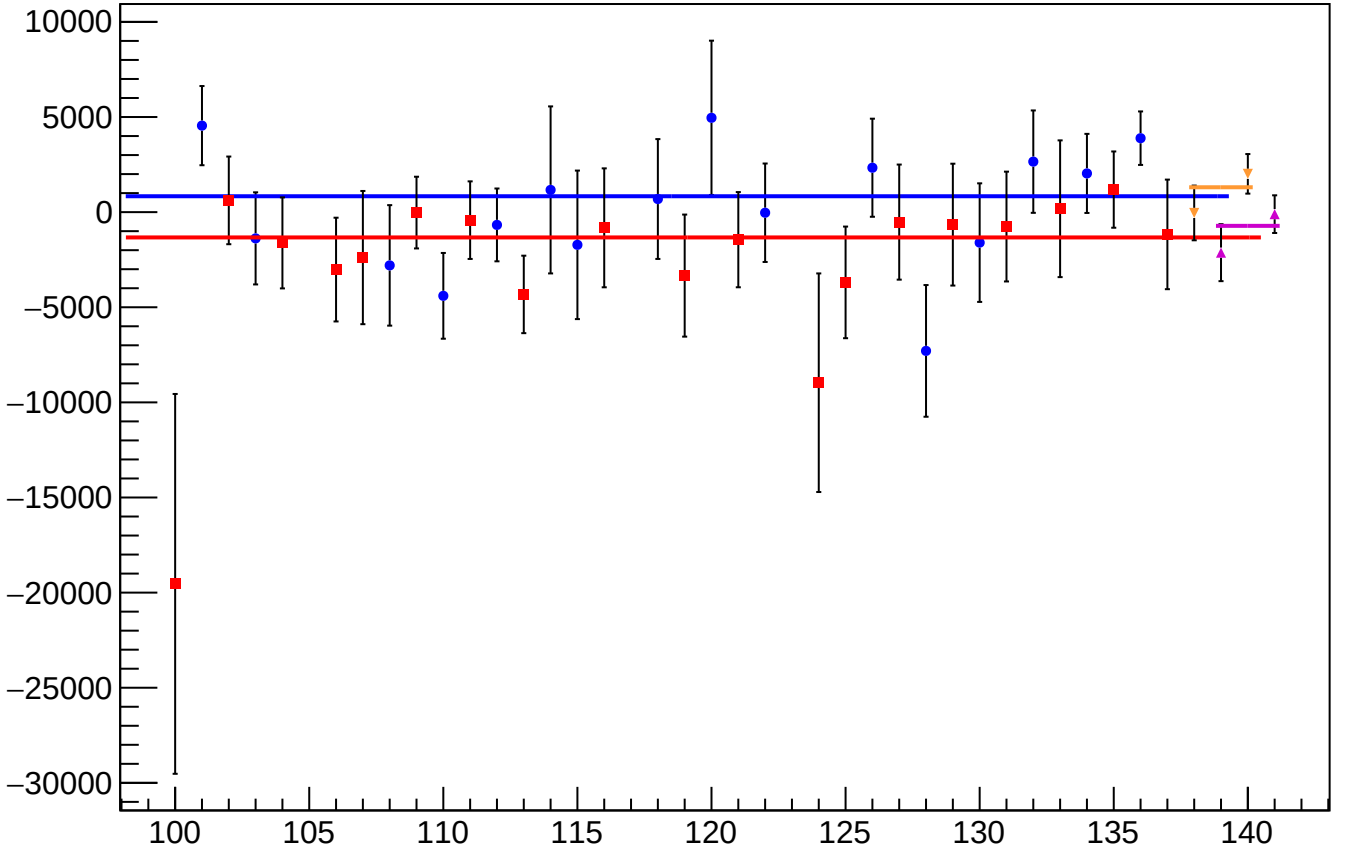
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 1360.838+/-0.336 χ^2/NDF:1346205.5/17

Out: 1367.852+/-0.334 χ^2/NDF:1311504.7/20

All: 1364.364+/-0.237 χ^2/NDF: 2657929.1/38

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1307.483+/-842.775 χ^2/NDF:1.3/1

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -720.901+/-826.018 χ^2/NDF:1.3/1

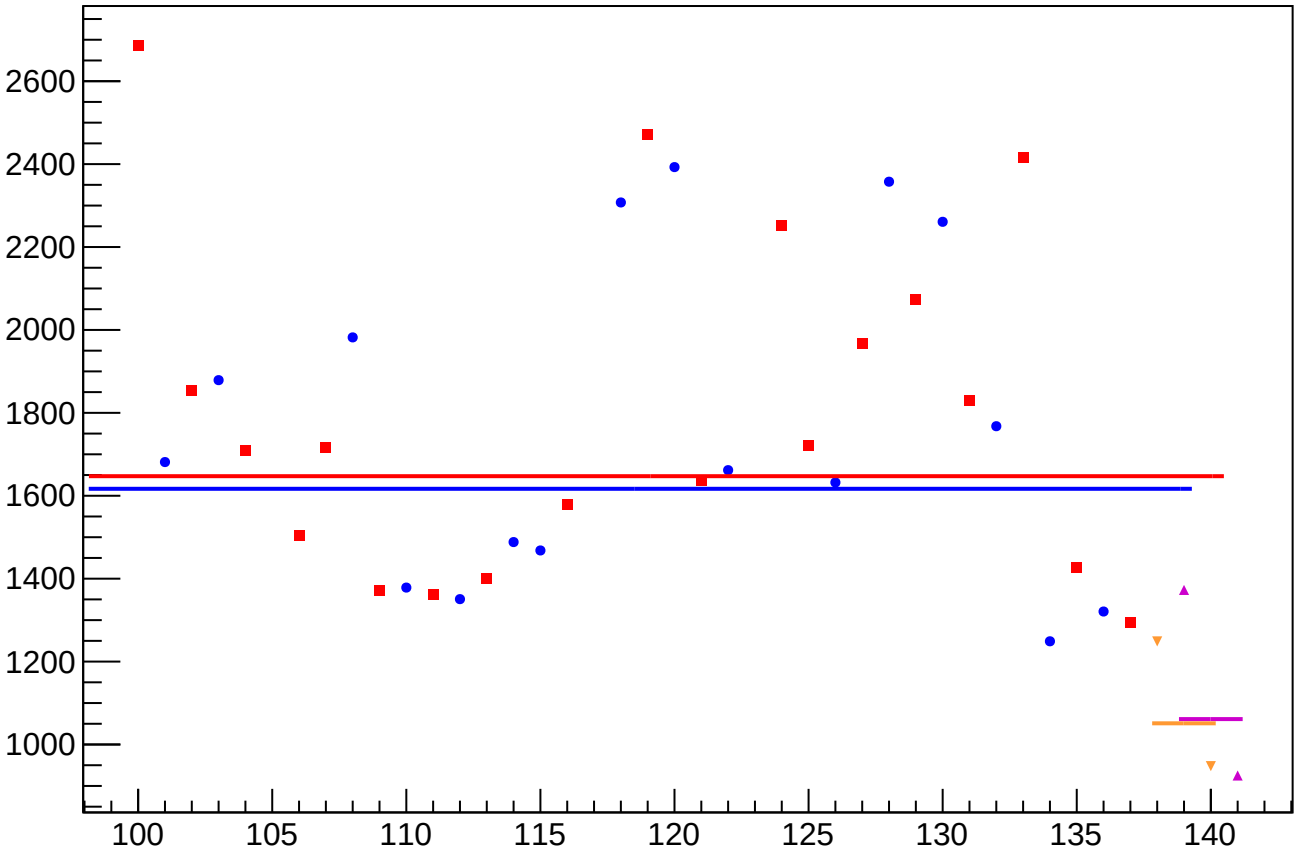
Left: 272.925+/-589.918 χ^2/NDF: 5.6/3

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 276.042+/-495.235 χ^2/NDF:28.4/17

Out: -410.464+/-497.543 χ^2/NDF:19.8/20

All: -65.616+/-350.997 χ^2/NDF: 49.2/38



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 1051.095+/-0.596 χ^2/NDF:57485.5/1

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 1061.294+/-0.584 χ^2/NDF:124302.8/1

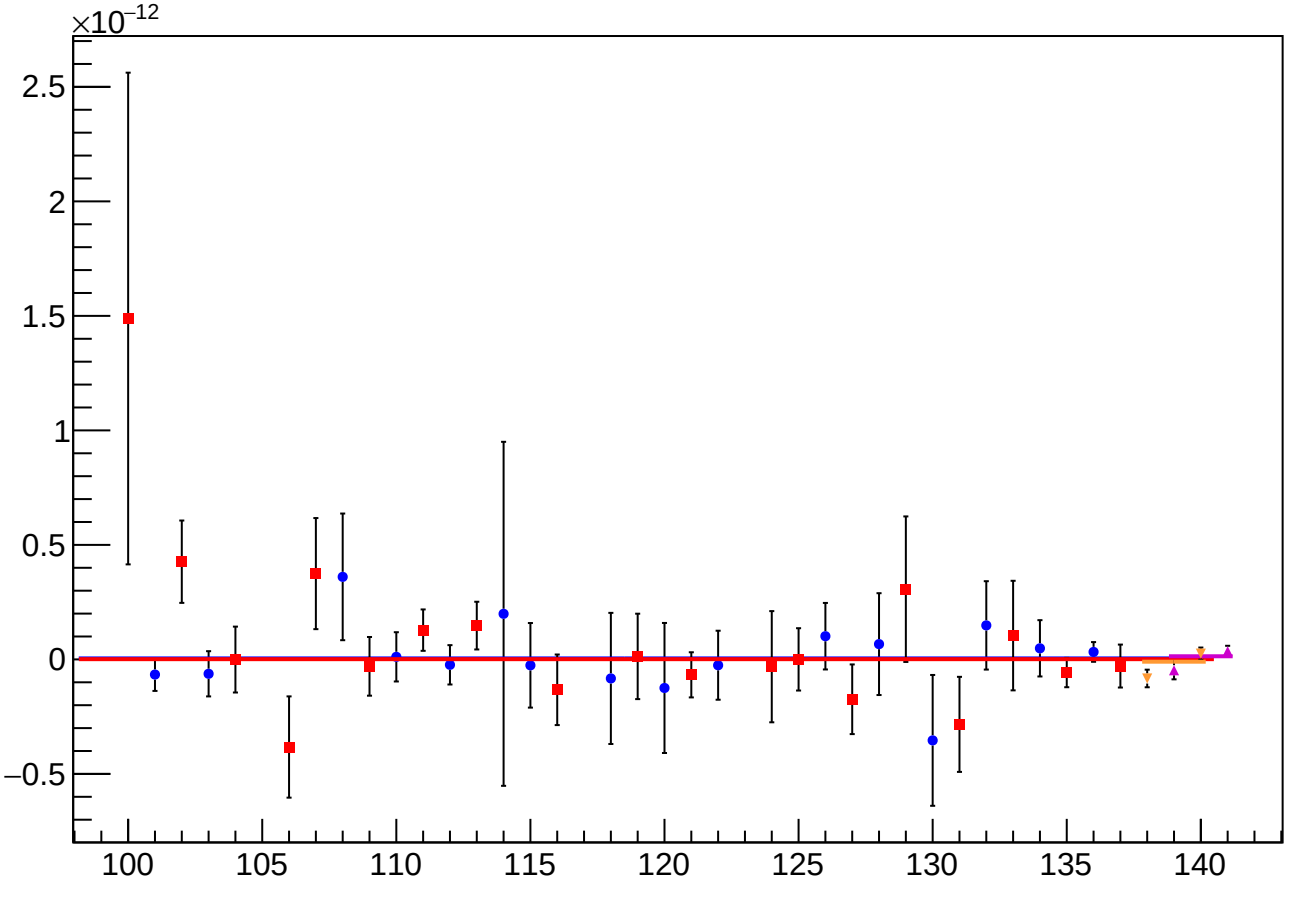
Left: 1056.297+/-0.417 χ^2/NDF: 181937.7/3

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1417.124+/-0.350 χ^2/NDF:1325982.1/17

Out: 1439.459+/-0.352 χ^2/NDF:1233255.3/20

All: 1428.239+/-0.248 χ^2/NDF: 2561262.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/1

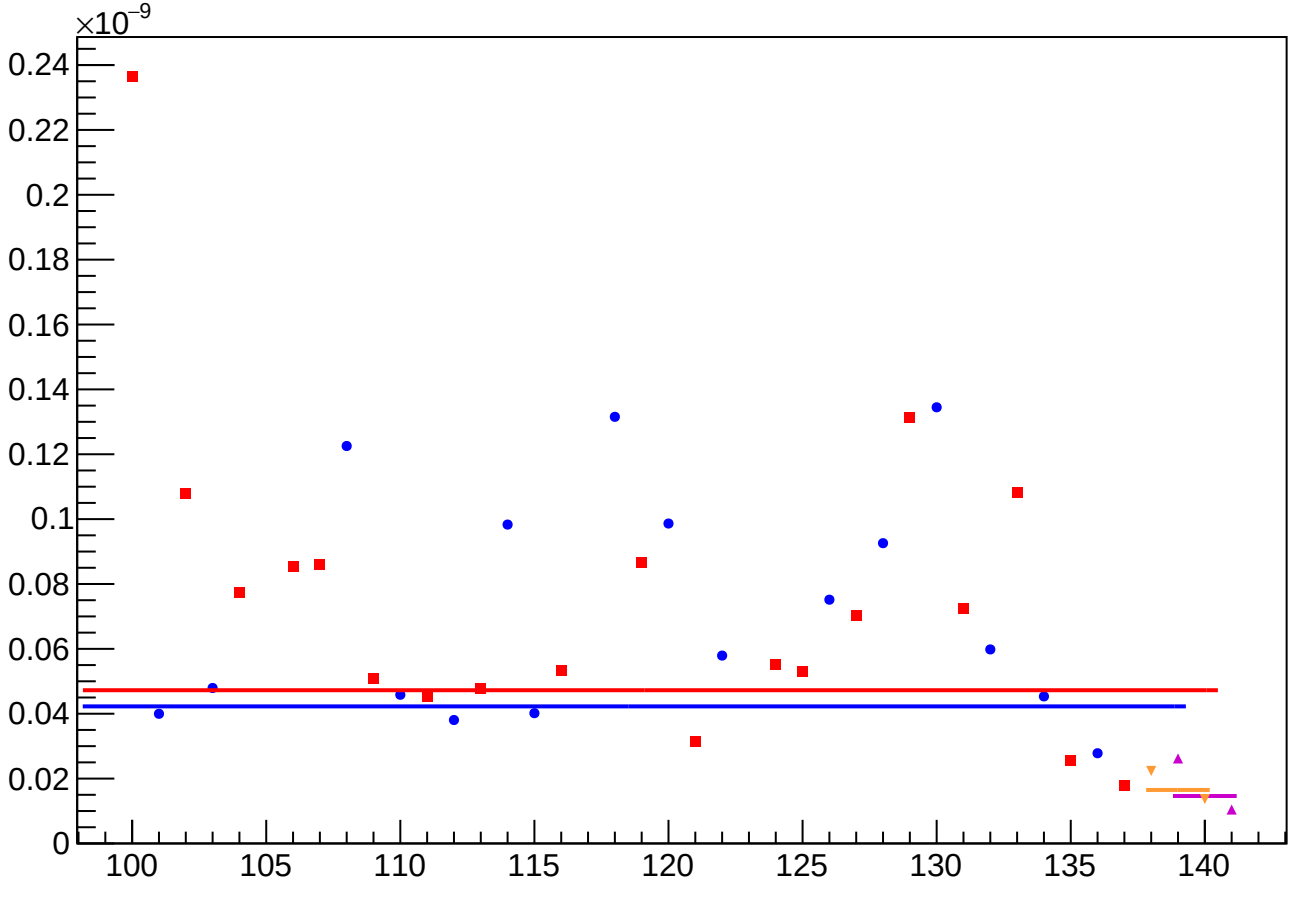
Left: 0.000+/-0.000 χ^2/NDF: 9.2/3

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:10.2/17

Out: -0.000+/-0.000 χ^2/NDF:28.9/20

All: 0.000+/-0.000 χ^2/NDF: 39.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:68886.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:232315.4/1

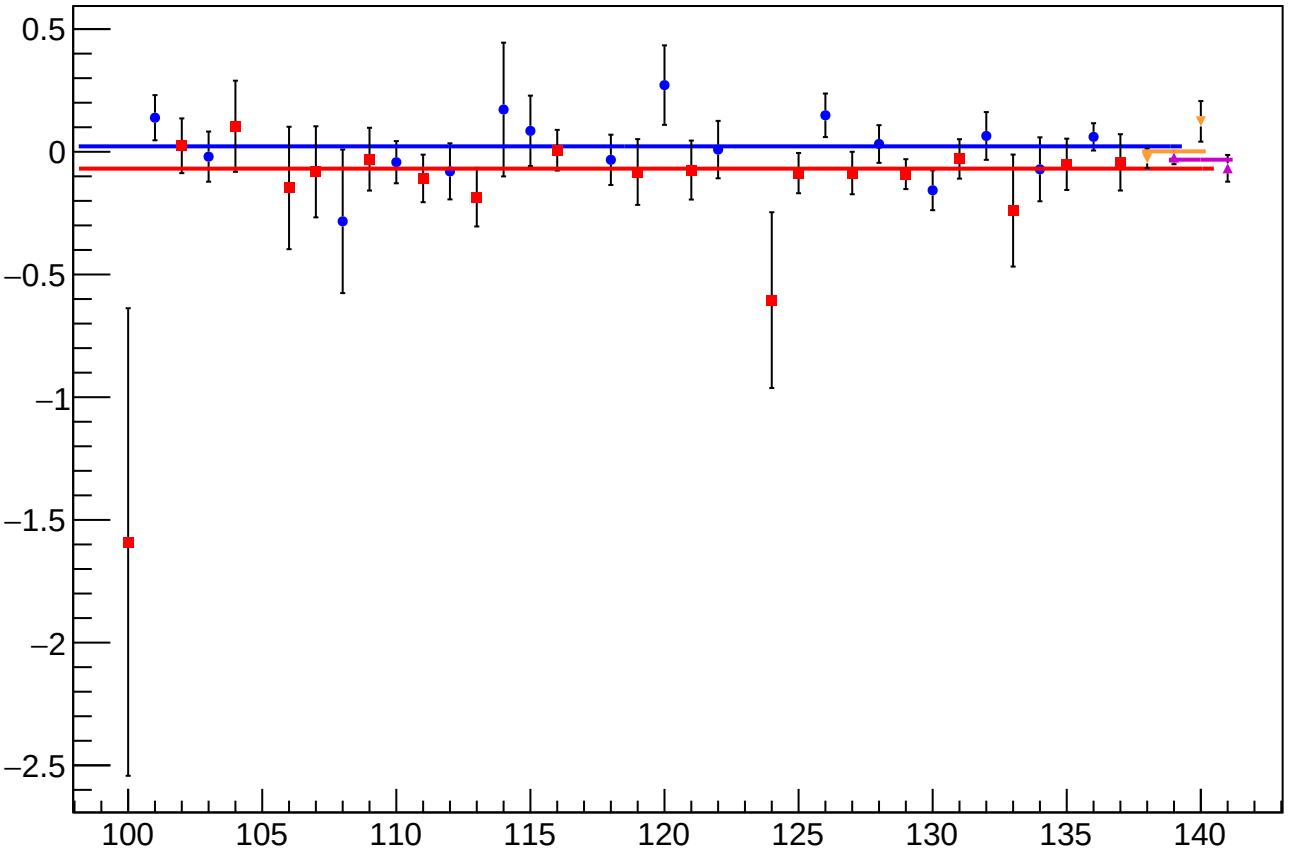
Left: 0.000+/-0.000 χ^2/NDF: 309023.2/3

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:2699119.3/17

Out: 0.000+/-0.000 χ^2/NDF:2833003.9/20

All: 0.000+/-0.000 χ^2/NDF: 5553372.3/38



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.002+/-0.036 χ^2/NDF:2.7/1

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.032+/-0.024 χ^2/NDF:0.5/1

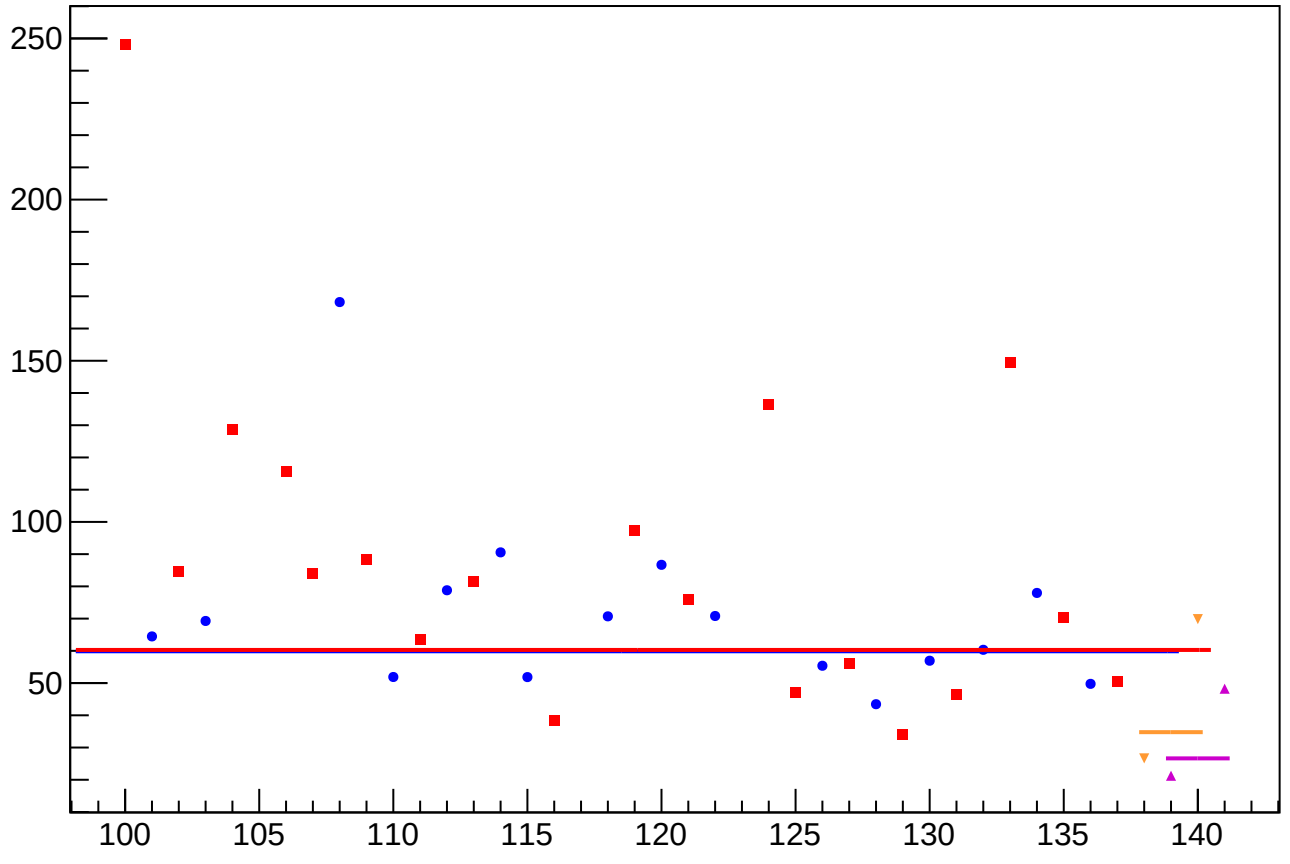
Left: -0.021+/-0.020 χ^2/NDF: 3.8/3

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.017 χ^2/NDF:18.5/17

Out: -0.045+/-0.021 χ^2/NDF:14.9/20

All: -0.022+/-0.013 χ^2/NDF: 35.5/38



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 34.771+/-0.025 χ^2/NDF:443135.6/1

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 26.634+/-0.017 χ^2/NDF:394522.7/1

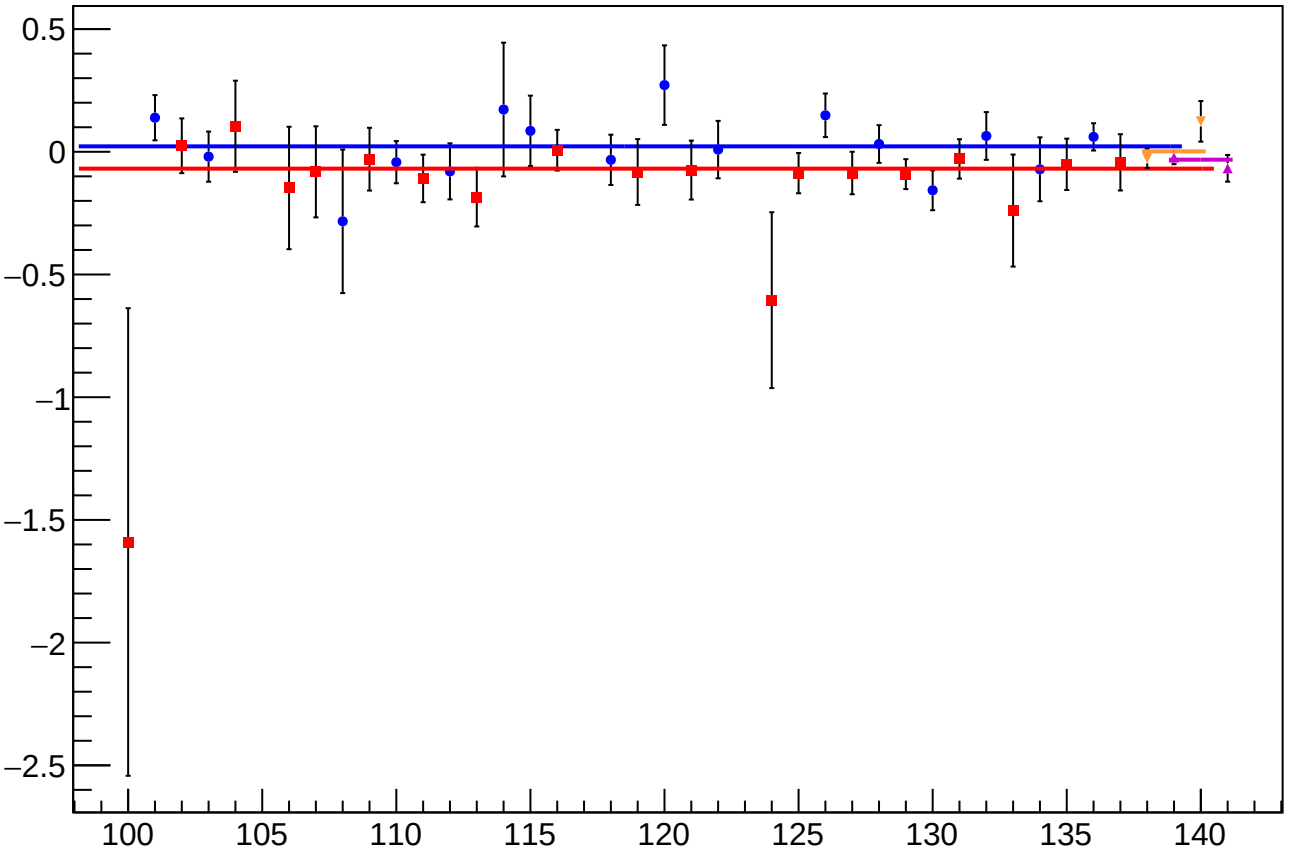
Left: 29.191+/-0.014 χ^2/NDF: 908174.7/3

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 42.991+/-0.012 χ^2/NDF:2935865.5/17

Out: 51.819+/-0.015 χ^2/NDF:3095695.2/20

All: 46.631+/-0.009 χ^2/NDF: 6246030.2/38



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.002+/-0.036 χ^2/NDF:2.7/1

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.032+/-0.024 χ^2/NDF:0.5/1

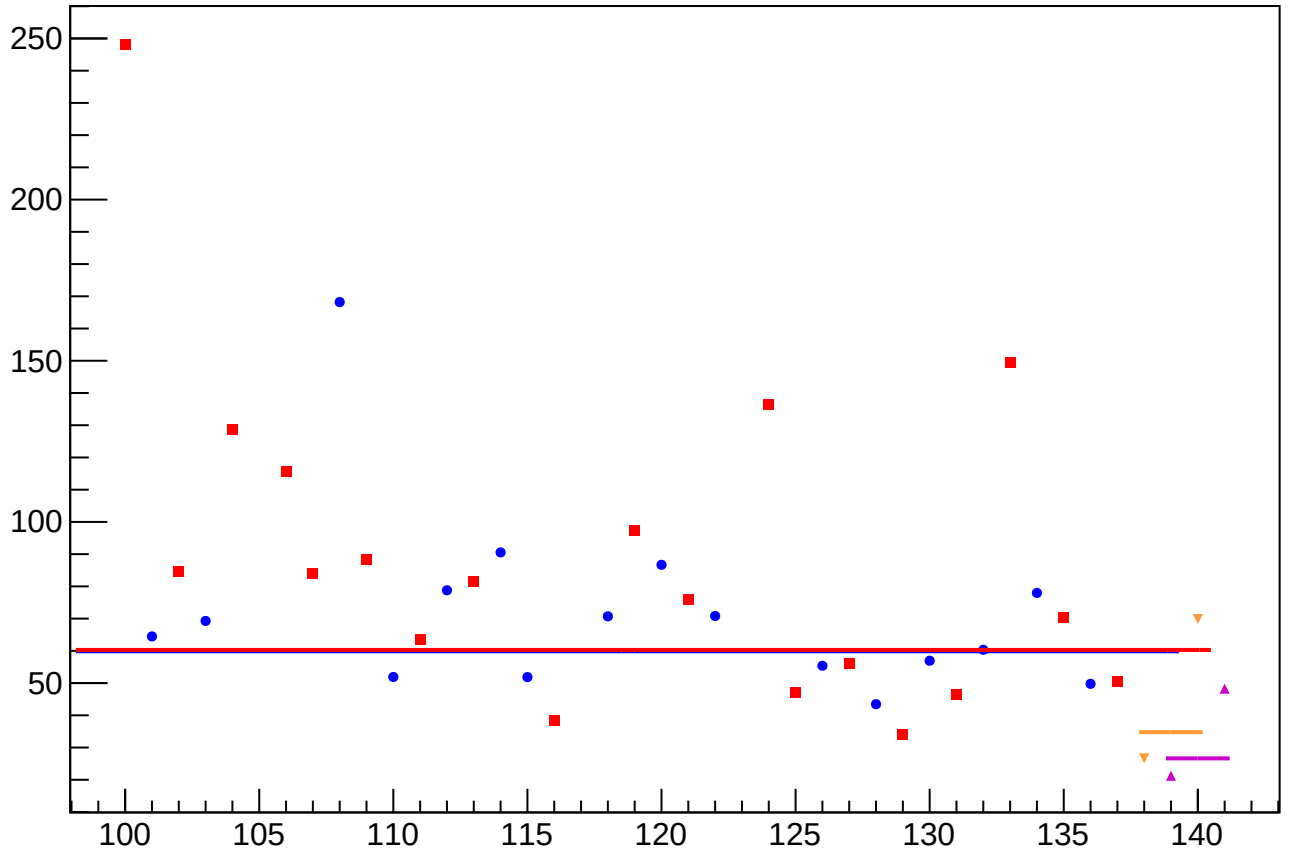
Left: -0.021+/-0.020 χ^2/NDF: 3.8/3

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.017 χ^2/NDF:18.5/17

Out: -0.045+/-0.021 χ^2/NDF:14.9/20

All: -0.022+/-0.013 χ^2/NDF: 35.5/38



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 34.771+/-0.025 χ^2/NDF:443135.6/1

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 26.634+/-0.017 χ^2/NDF:394522.7/1

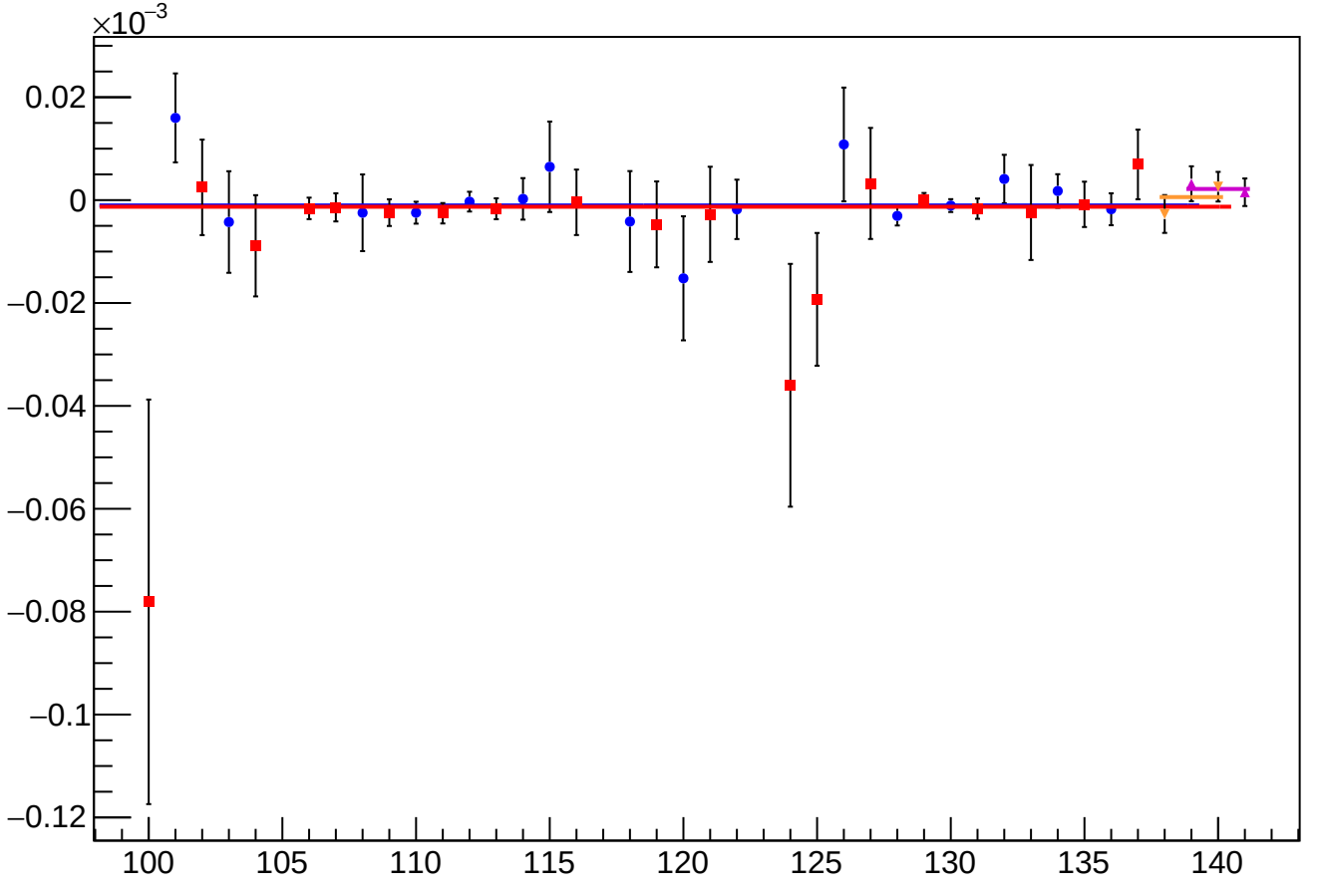
Left: 29.191+/-0.014 χ^2/NDF: 908174.7/3

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 42.991+/-0.012 χ^2/NDF:2935865.5/17

Out: 51.819+/-0.015 χ^2/NDF:3095695.2/20

All: 46.631+/-0.009 χ^2/NDF: 6246030.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

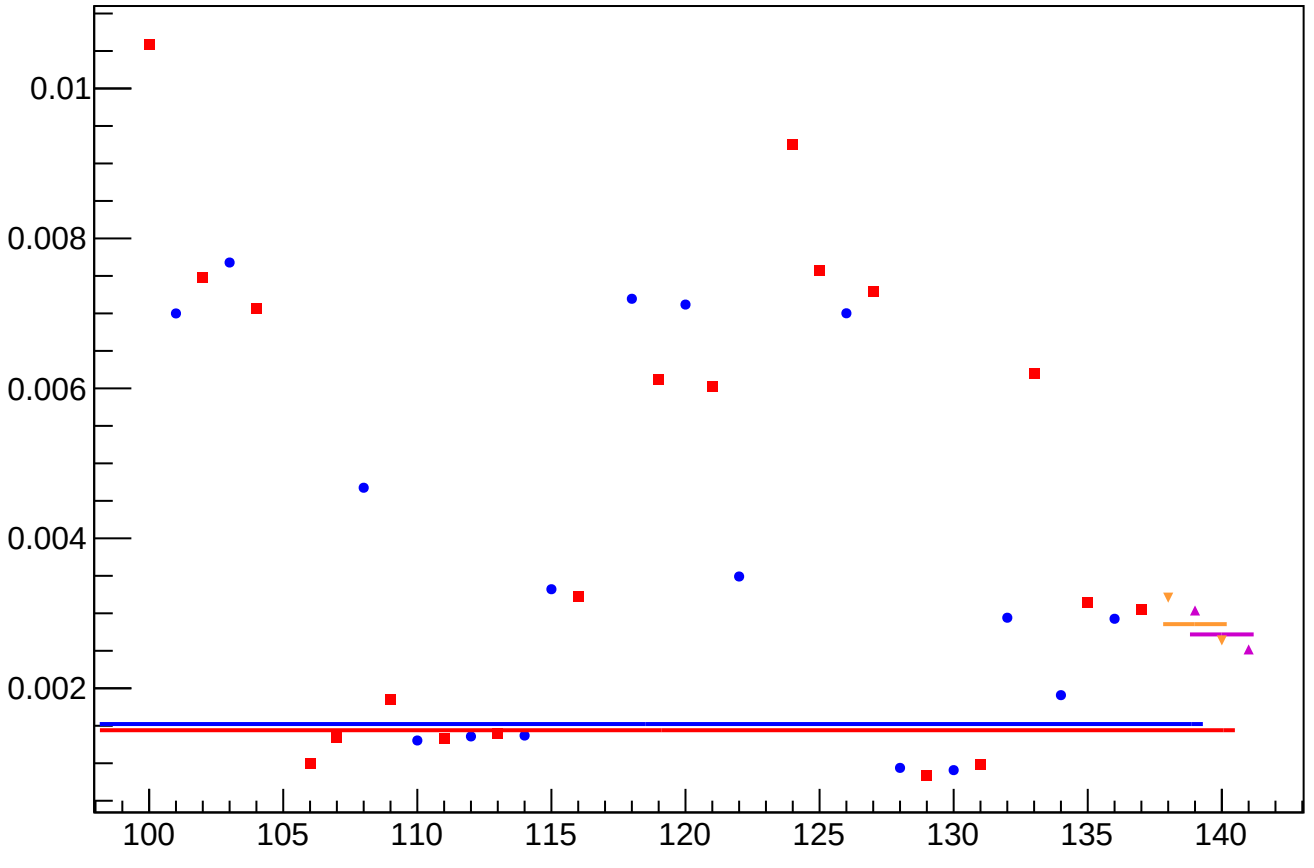
Left: 0.000+/-0.000 χ^2/NDF: 1.7/3

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:13.5/17

Out: -0.000+/-0.000 χ^2/NDF:14.4/20

All: -0.000+/-0.000 χ^2/NDF: 28.1/38



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:29779.5/1

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.003+/-0.000 χ^2/NDF:28854.2/1

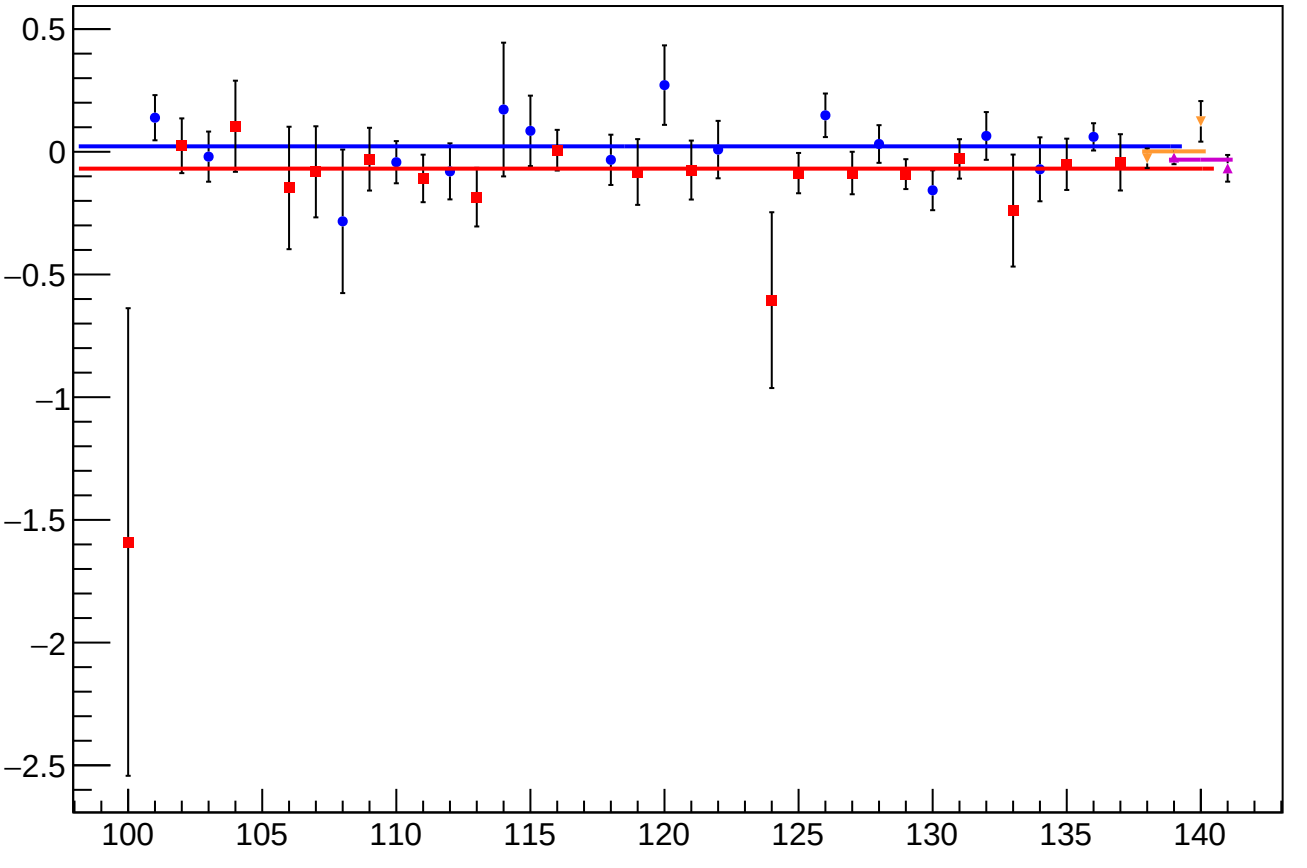
Left: 0.003+/-0.000 χ^2/NDF: 62561.4/3

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:5786588.3/17

Out: 0.002+/-0.000 χ^2/NDF:6529612.2/20

All: 0.002+/-0.000 χ^2/NDF: 12333894.7/38



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.002+/-0.036 χ^2/NDF:2.7/1

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.032+/-0.024 χ^2/NDF:0.5/1

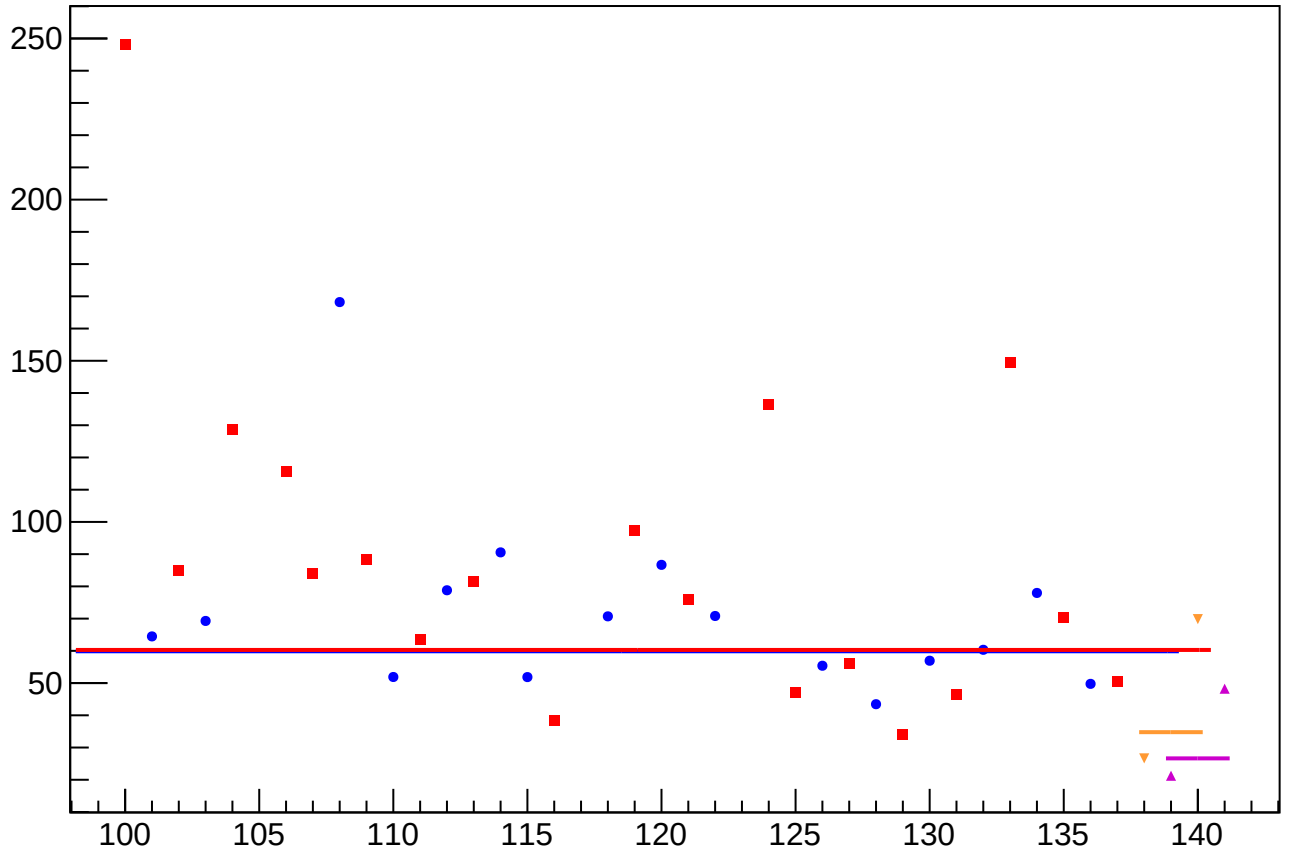
Left: -0.021+/-0.020 χ^2/NDF: 3.8/3

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.017 χ^2/NDF:18.5/17

Out: -0.045+/-0.021 χ^2/NDF:14.9/20

All: -0.022+/-0.013 χ^2/NDF: 35.5/38



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 34.769+/-0.025 χ^2/NDF:443199.3/1

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 26.633+/-0.017 χ^2/NDF:394579.2/1

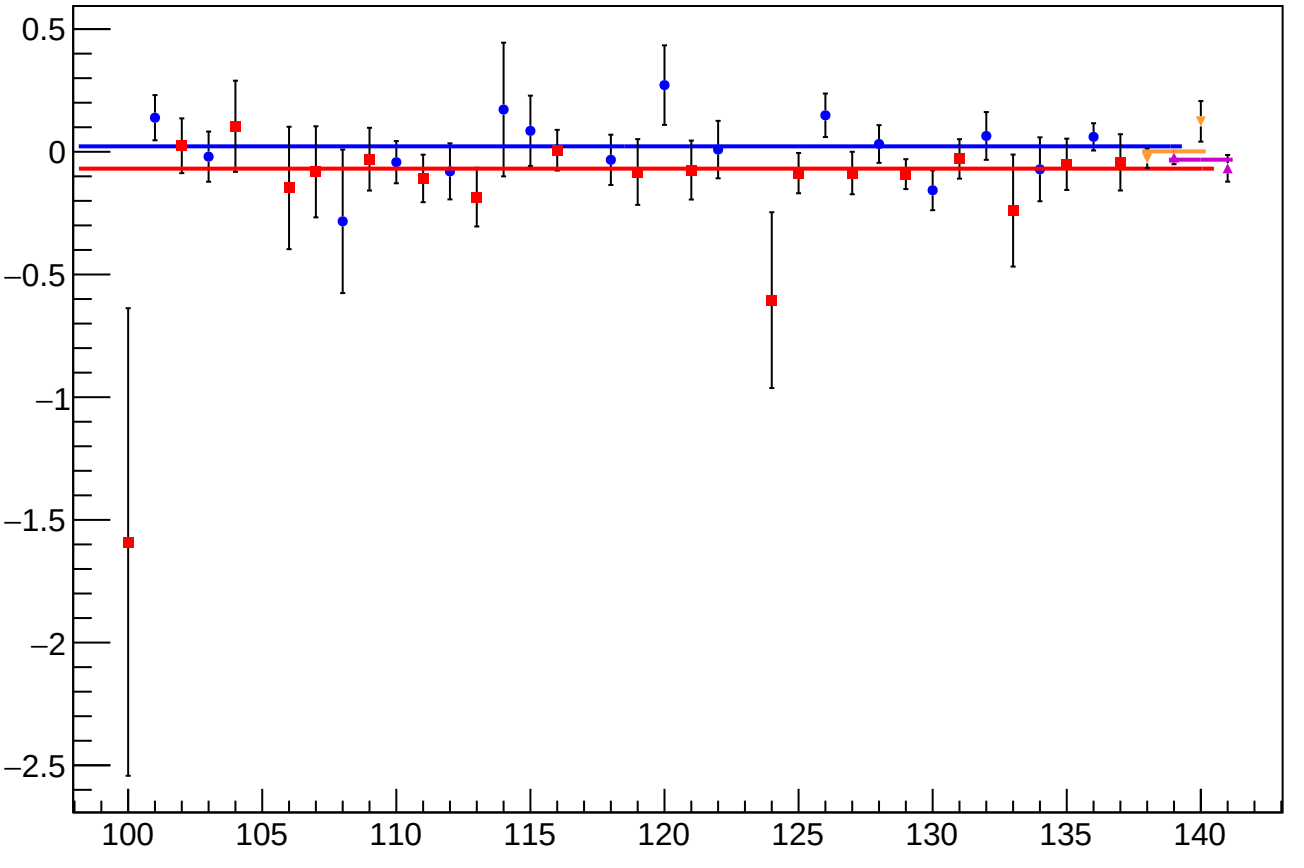
Left: 29.190+/-0.014 χ^2/NDF: 908283.6/3

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 42.990+/-0.012 χ^2/NDF:2936241.7/17

Out: 51.818+/-0.015 χ^2/NDF:3096012.4/20

All: 46.630+/-0.009 χ^2/NDF: 6246731.3/38



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.002+/-0.036 χ^2/NDF:2.7/1

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.032+/-0.024 χ^2/NDF:0.5/1

Left: -0.021+/-0.020 χ^2/NDF: 3.8/3

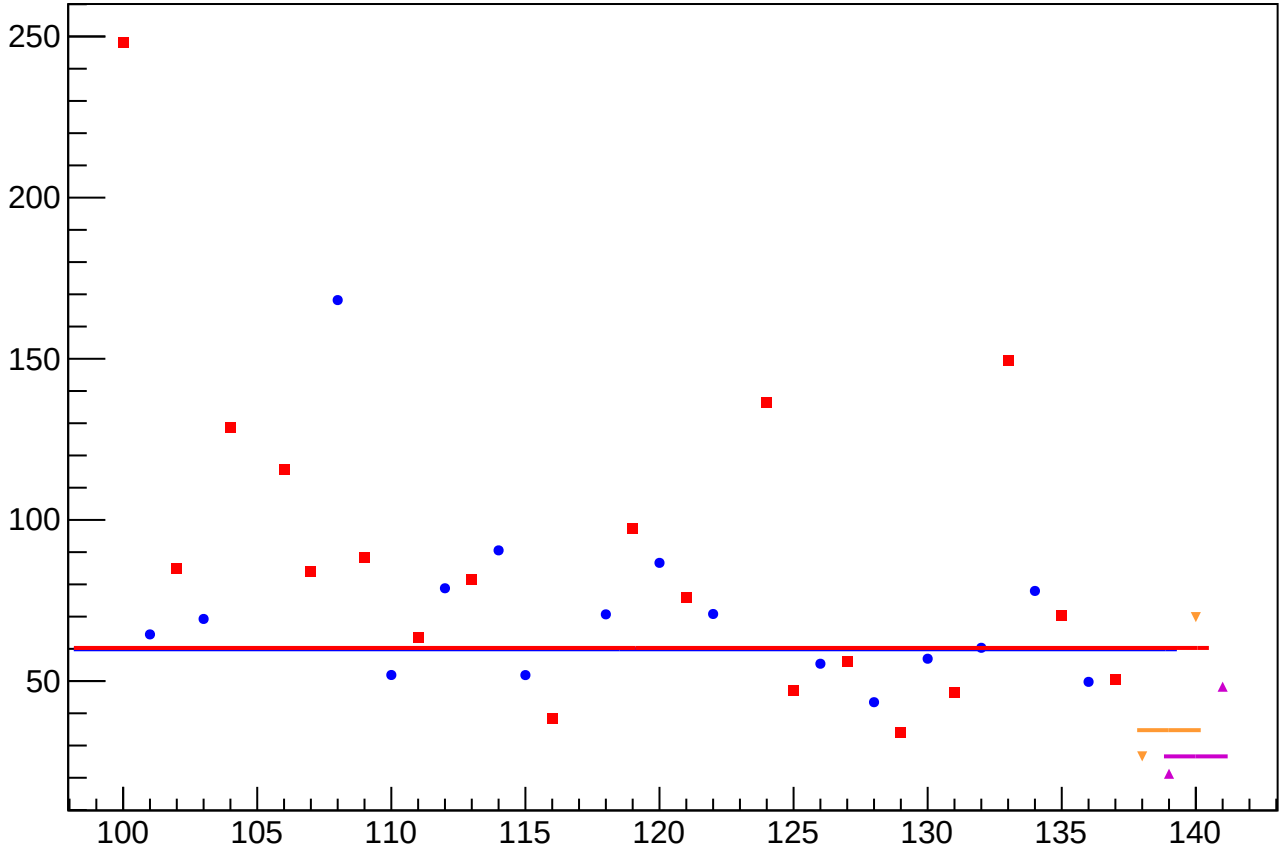
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.017 χ^2/NDF:18.5/17

Out: -0.045+/-0.021 χ^2/NDF:14.9/20

All: -0.022+/-0.013 χ^2/NDF: 35.5/38

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 34.769+/-0.025 χ^2/NDF:443199.3/1

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 26.633+/-0.017 χ^2/NDF:394579.2/1

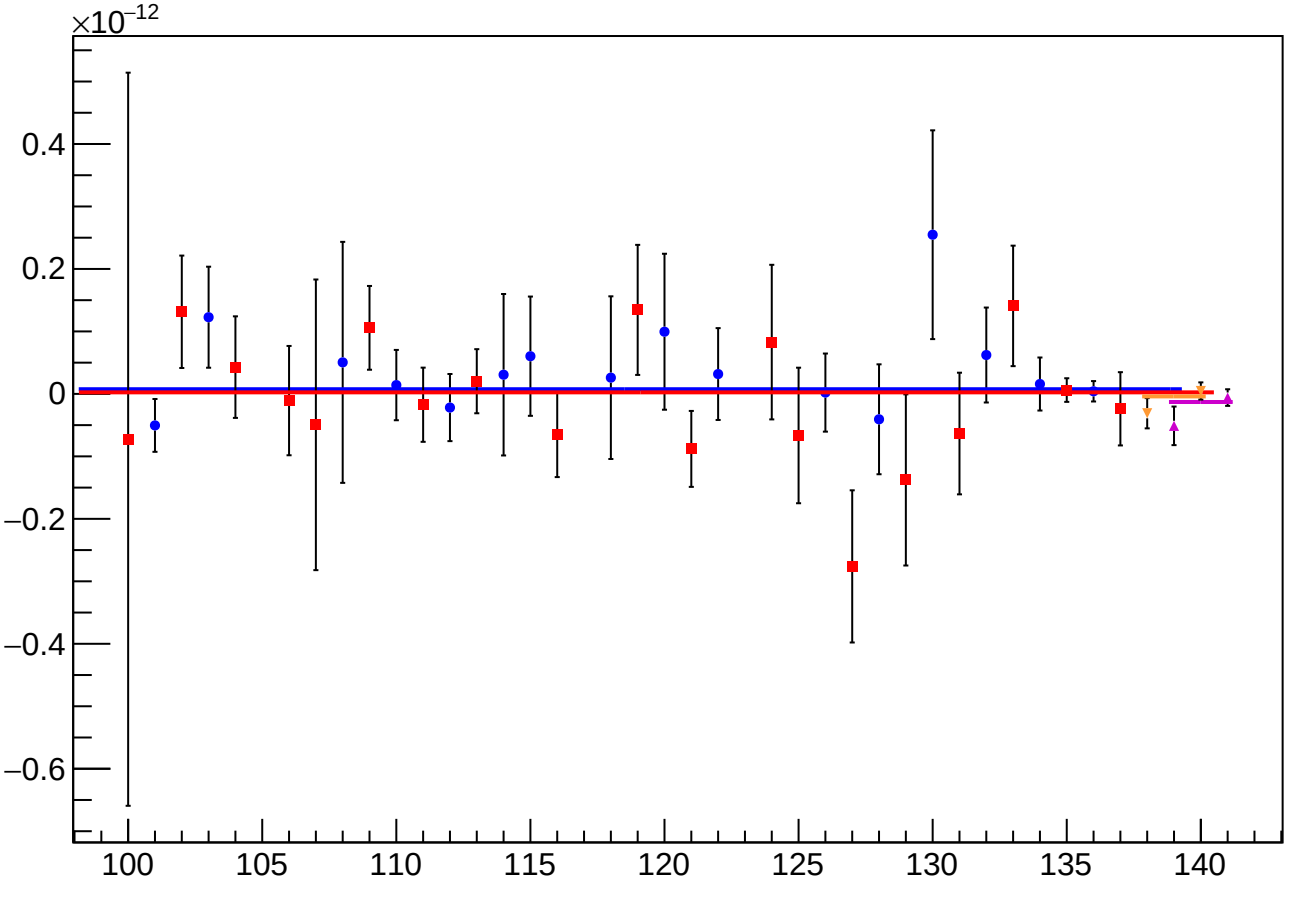
Left: 29.190+/-0.014 χ^2/NDF: 908283.6/3

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 42.990+/-0.012 χ^2/NDF:2936241.7/17

Out: 51.818+/-0.015 χ^2/NDF:3096012.4/20

All: 46.630+/-0.009 χ^2/NDF: 6246731.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/1

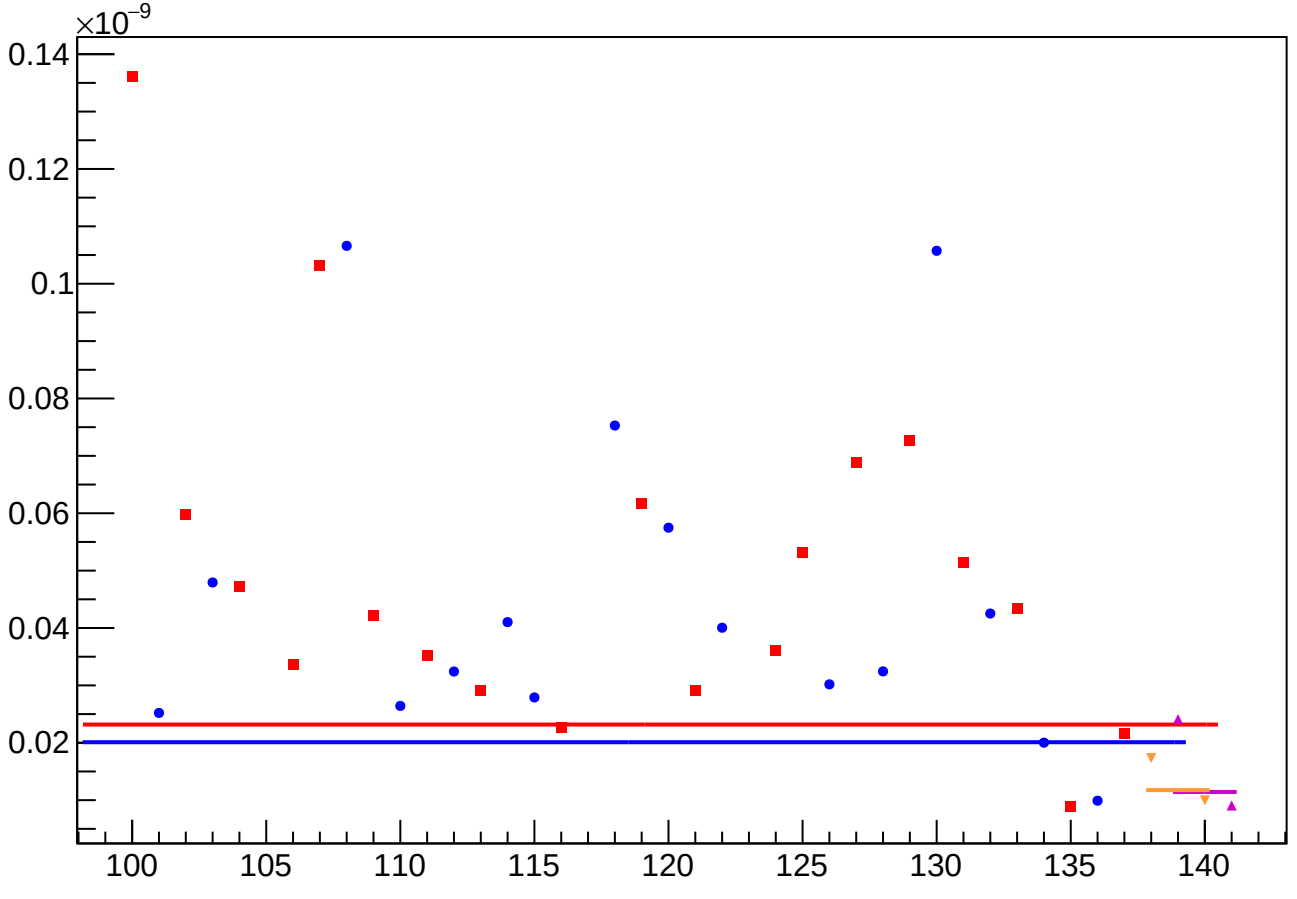
Left: -0.000+/-0.000 χ^2/NDF: 3.7/3

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:11.6/17

Out: -0.000+/-0.000 χ^2/NDF:21.4/20

All: -0.000+/-0.000 χ^2/NDF: 33.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:140434.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:400965.8/1

Left: 0.000+/-0.000 χ^2/NDF: 542101.8/3

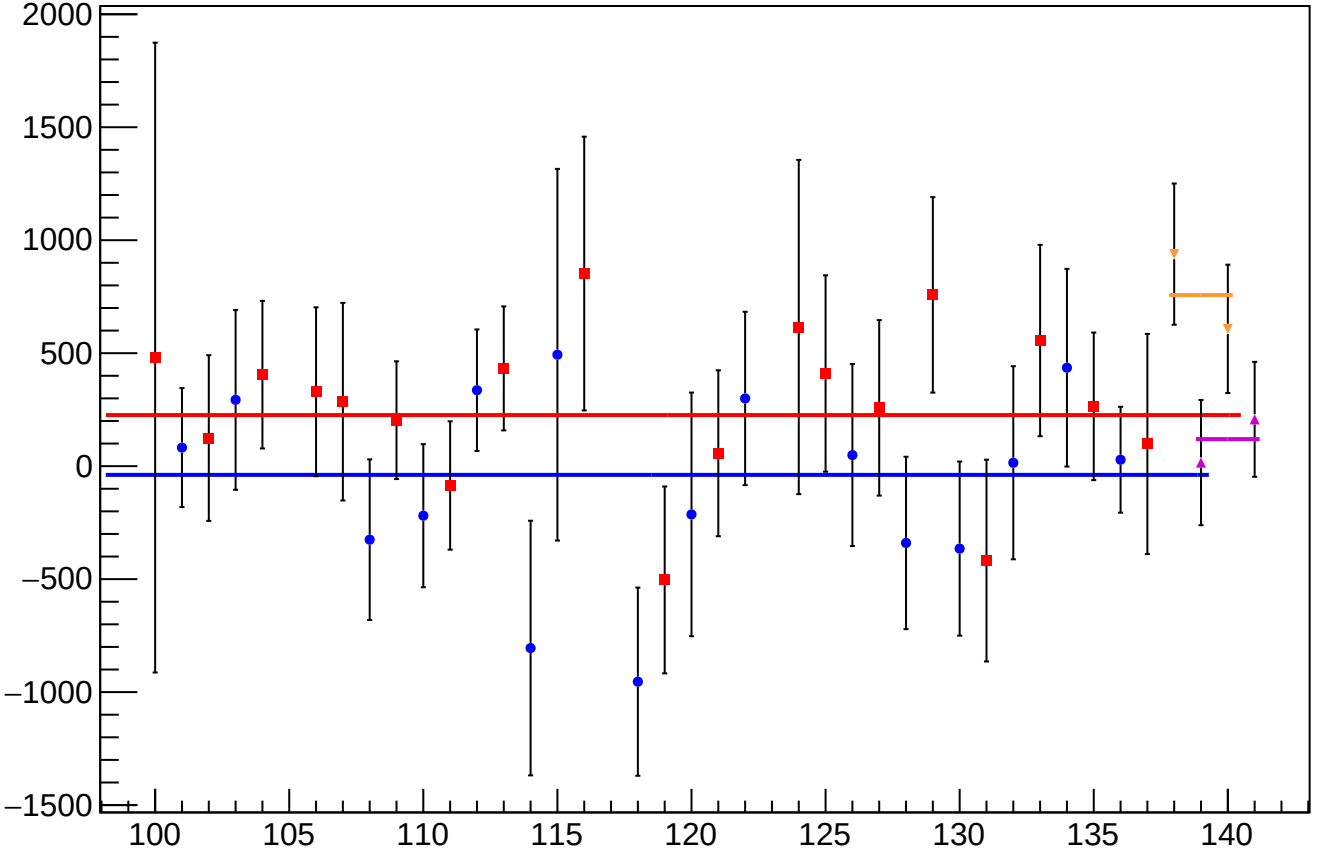
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4028743.0/17

Out: 0.000+/-0.000 χ^2/NDF:4473177.0/20

All: 0.000+/-0.000 χ^2/NDF: 8514104.4/38

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 757.265+/-210.214 χ^2/NDF:0.6/1

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 119.716+/-187.399 χ^2/NDF:0.3/1

Left: 402.028+/-139.884 χ^2/NDF: 6.0/3

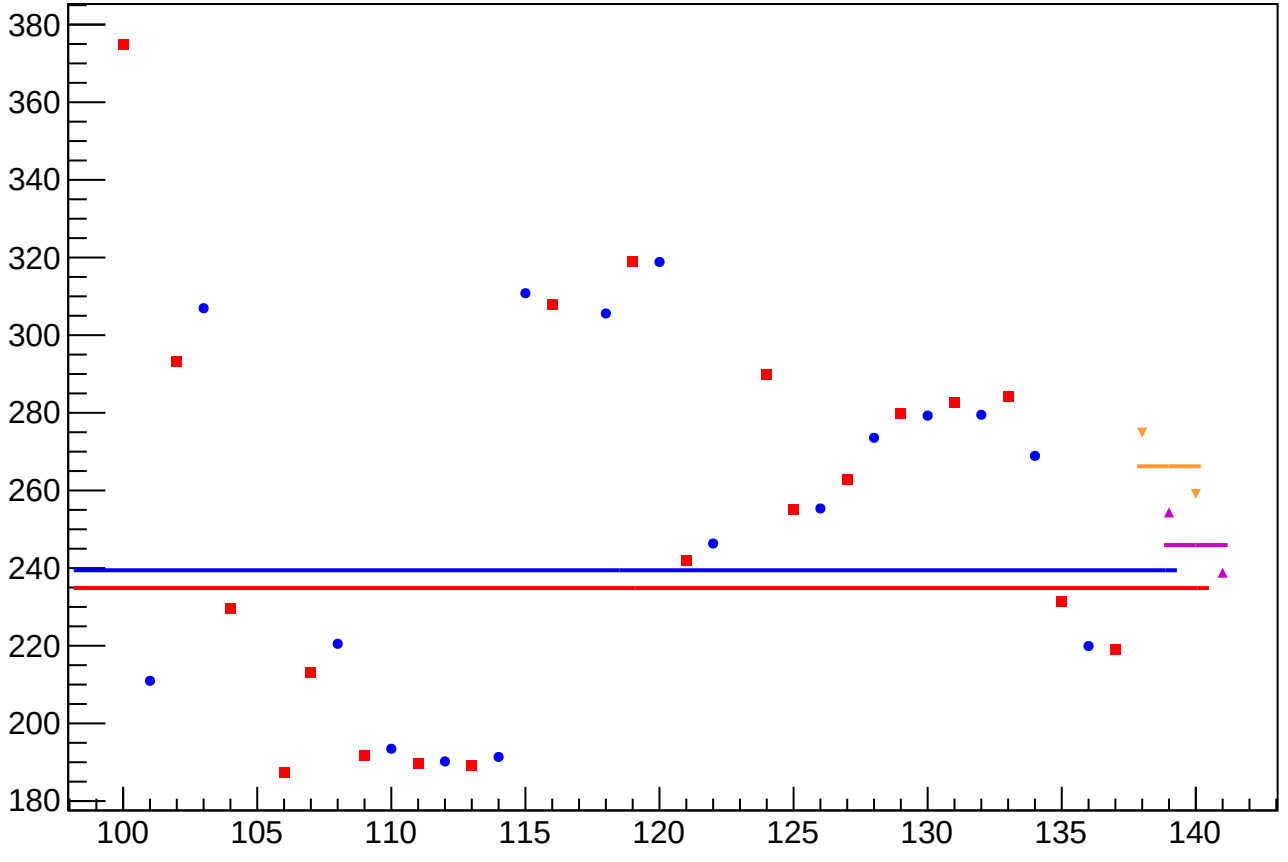
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: -8.514+/-81.581 χ^2/NDF:15.3/17

Out: 305.220+/-81.102 χ^2/NDF:17.5/20

All: 149.277+/-57.516 χ^2/NDF: 40.2/38

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 266.231+/-0.149 χ^2/NDF:2805.4/1

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 245.933+/-0.133 χ^2/NDF:3406.3/1

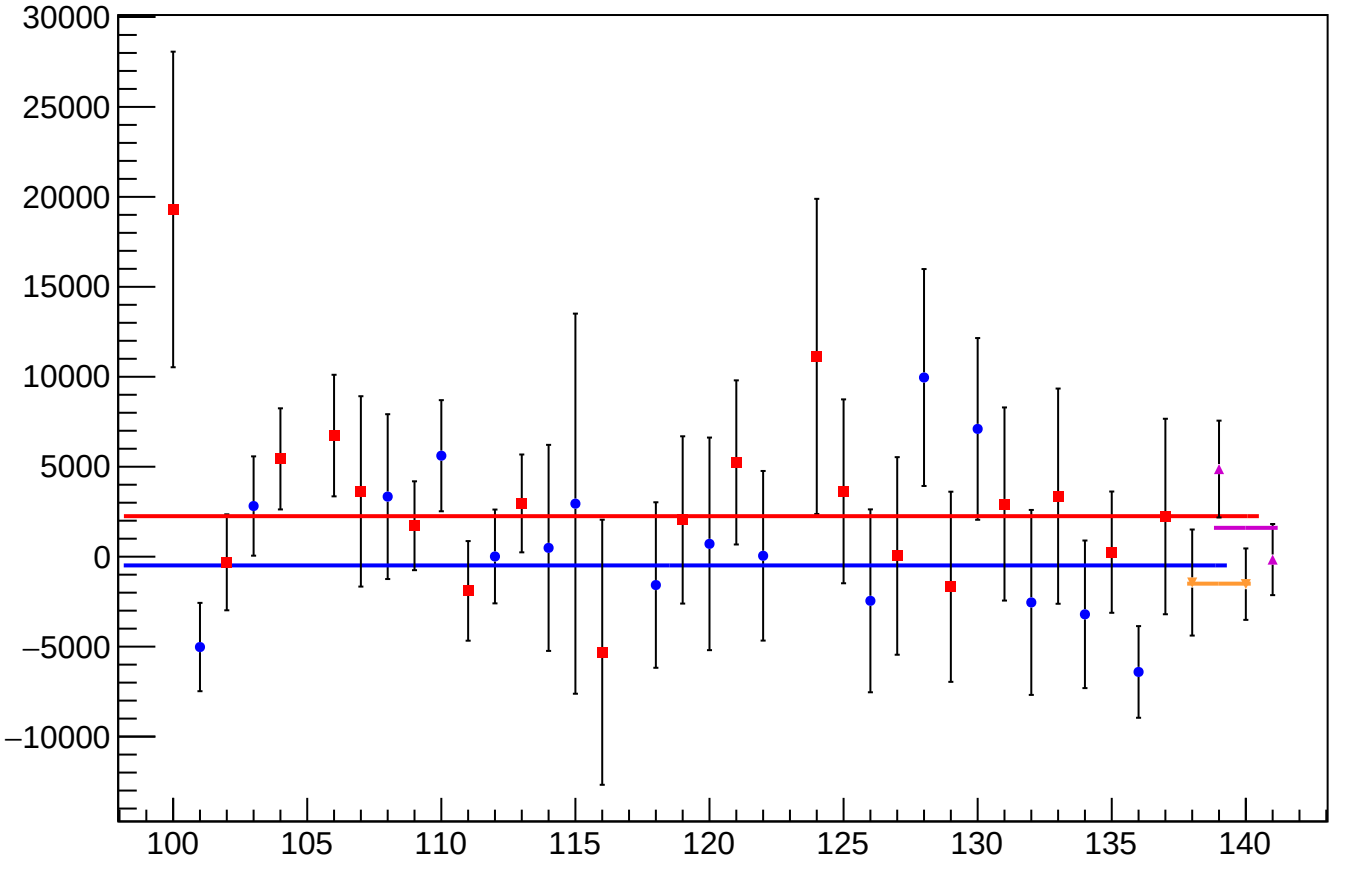
Left: 254.921+/-0.099 χ^2/NDF: 16601.8/3

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 240.678+/-0.058 χ^2/NDF:406302.3/17

Out: 239.525+/-0.057 χ^2/NDF:522444.5/20

All: 240.098+/-0.041 χ^2/NDF: 928947.7/38



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -1499.277+/-1646.691 χ^2/NDF:0.0/1

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1603.040+/-1593.239 χ^2/NDF:2.3/1

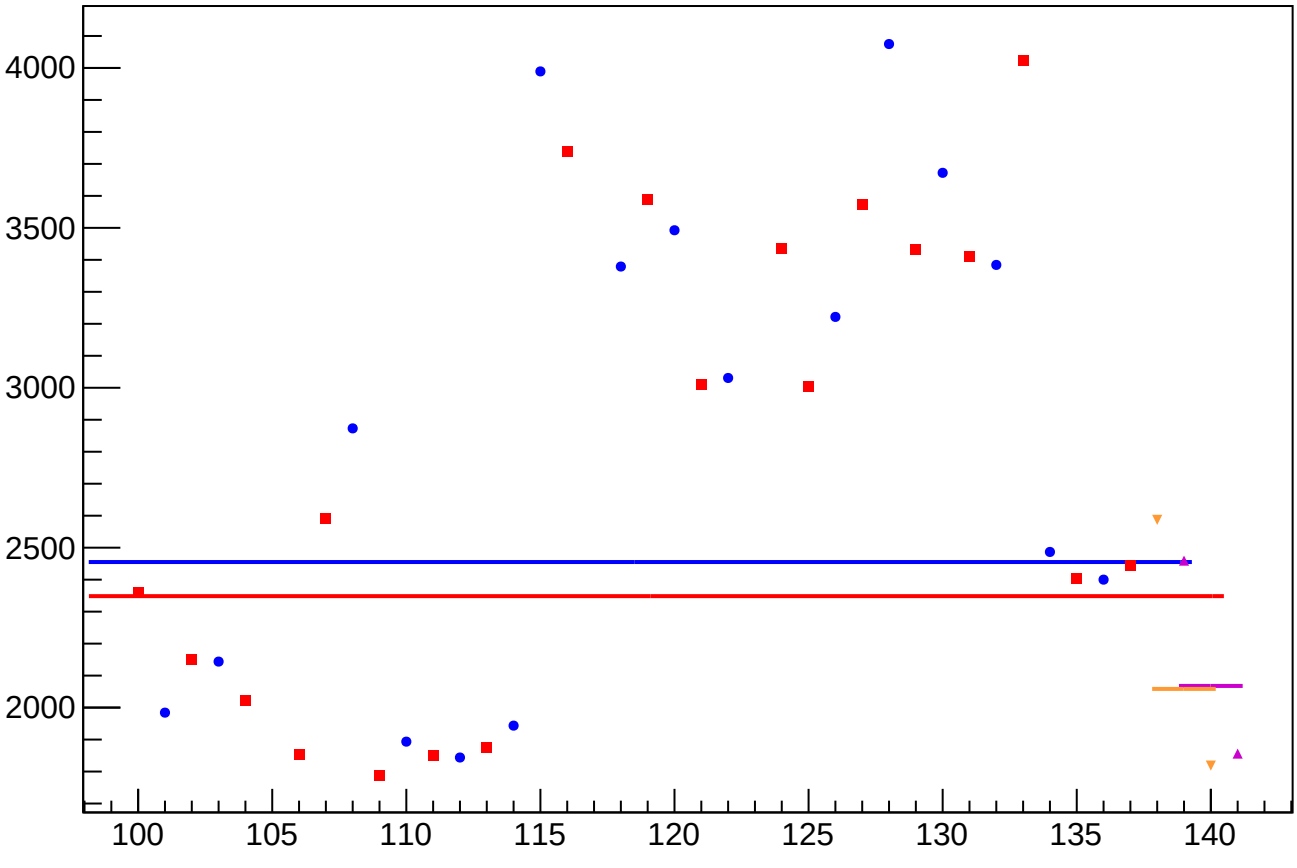
Left: 103.049+/-1145.021 χ^2/NDF: 4.1/3

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 59.812+/-814.346 χ^2/NDF:24.7/17

Out: 1397.695+/-785.795 χ^2/NDF:17.9/20

All: 752.618+/-565.465 χ^2/NDF: 44.0/38



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2058.413+/-1.164 χ^2/NDF:93497.8/1

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2067.686+/-1.127 χ^2/NDF:65304.5/1

Left: 2063.203+/-0.810 χ^2/NDF: 158835.1/3

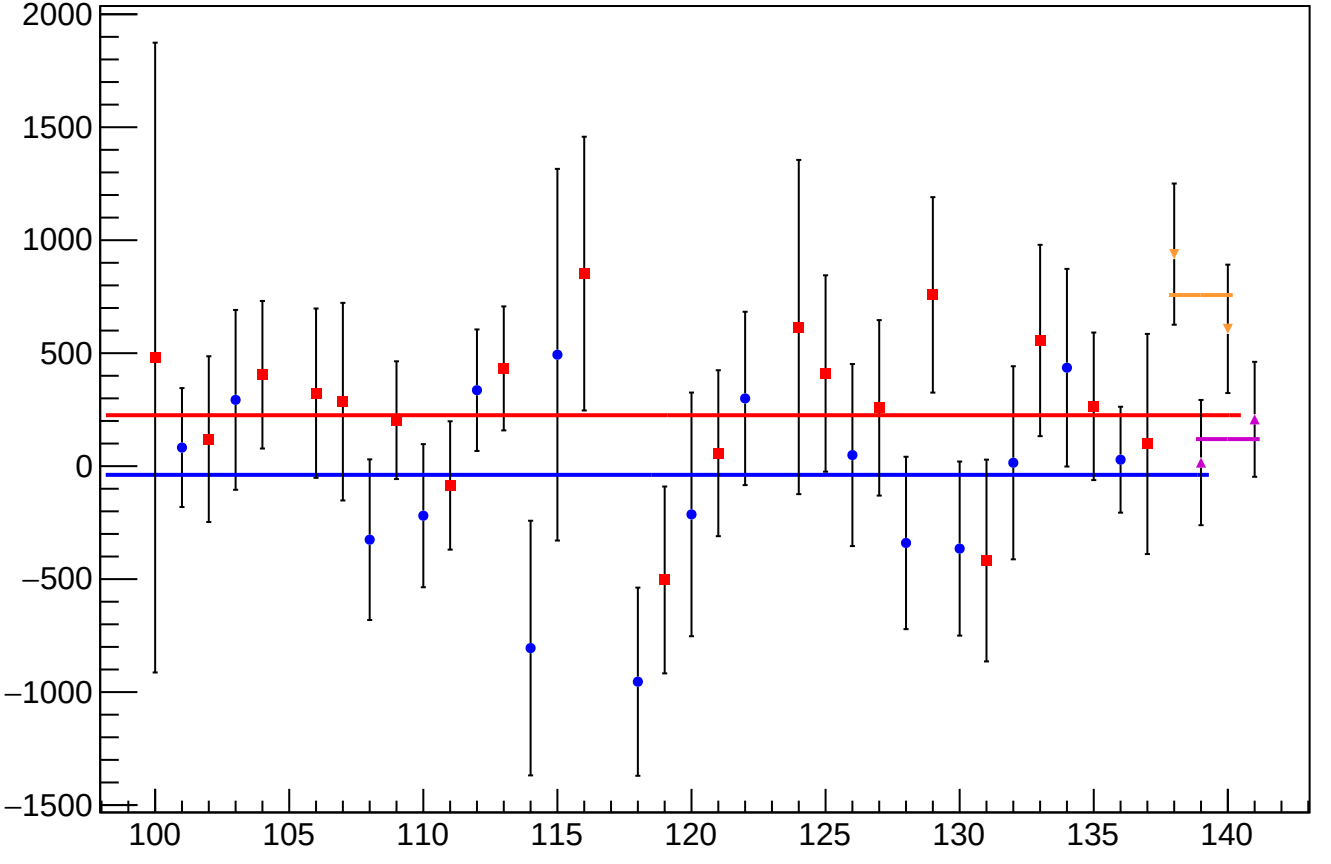
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2353.890+/-0.576 χ^2/NDF:1047056.0/17

Out: 2282.401+/-0.556 χ^2/NDF:1193835.2/20

All: 2316.870+/-0.400 χ^2/NDF: 2248872.7/38

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 757.296+/-210.214 χ^2/NDF:0.6/1

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 119.738+/-187.399 χ^2/NDF:0.3/1

Left: 402.054+/-139.884 χ^2/NDF: 6.0/3

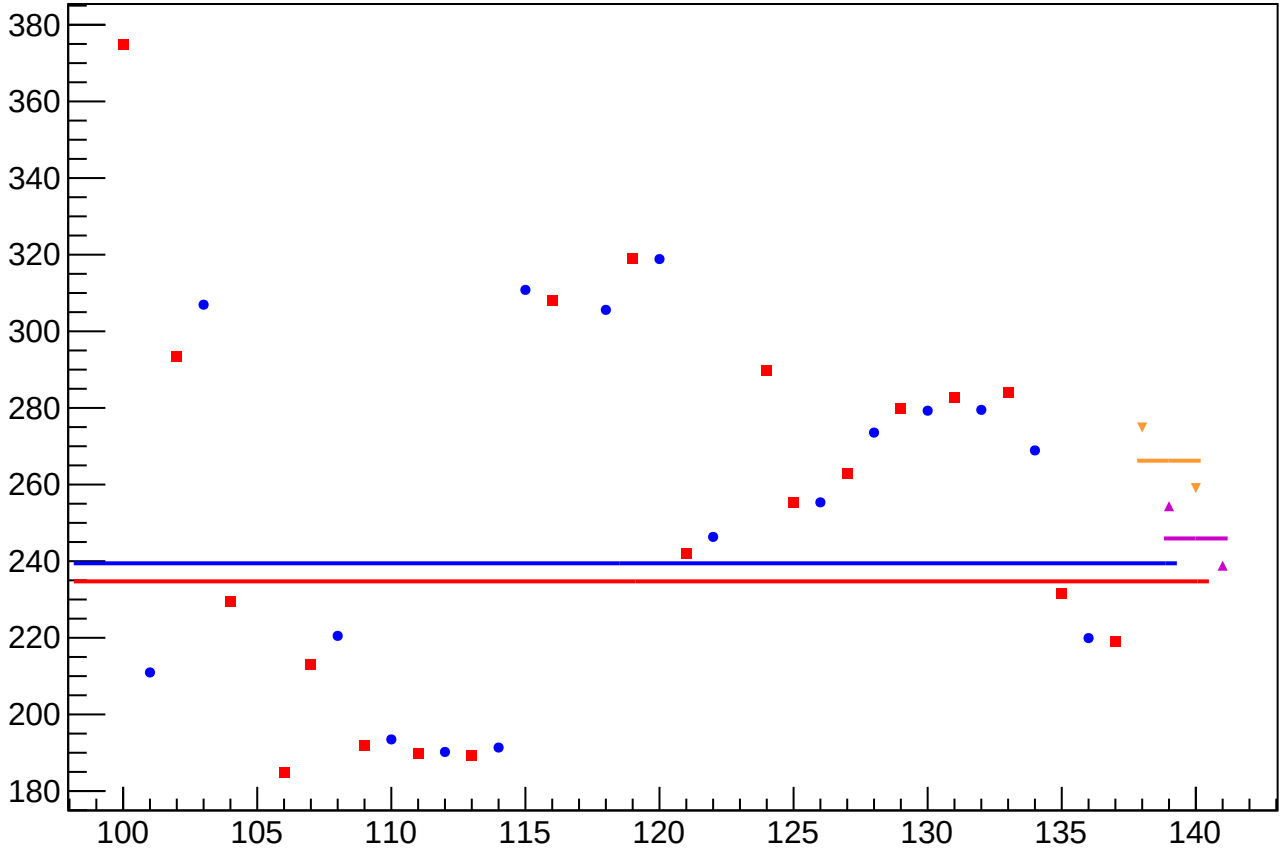
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: -8.527+/-81.581 χ^2/NDF:15.3/17

Out: 304.690+/-81.113 χ^2/NDF:17.5/20

All: 148.983+/-57.520 χ^2/NDF: 40.2/38

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 266.231+/-0.149 χ^2/NDF:2805.4/1

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 245.933+/-0.133 χ^2/NDF:3406.3/1

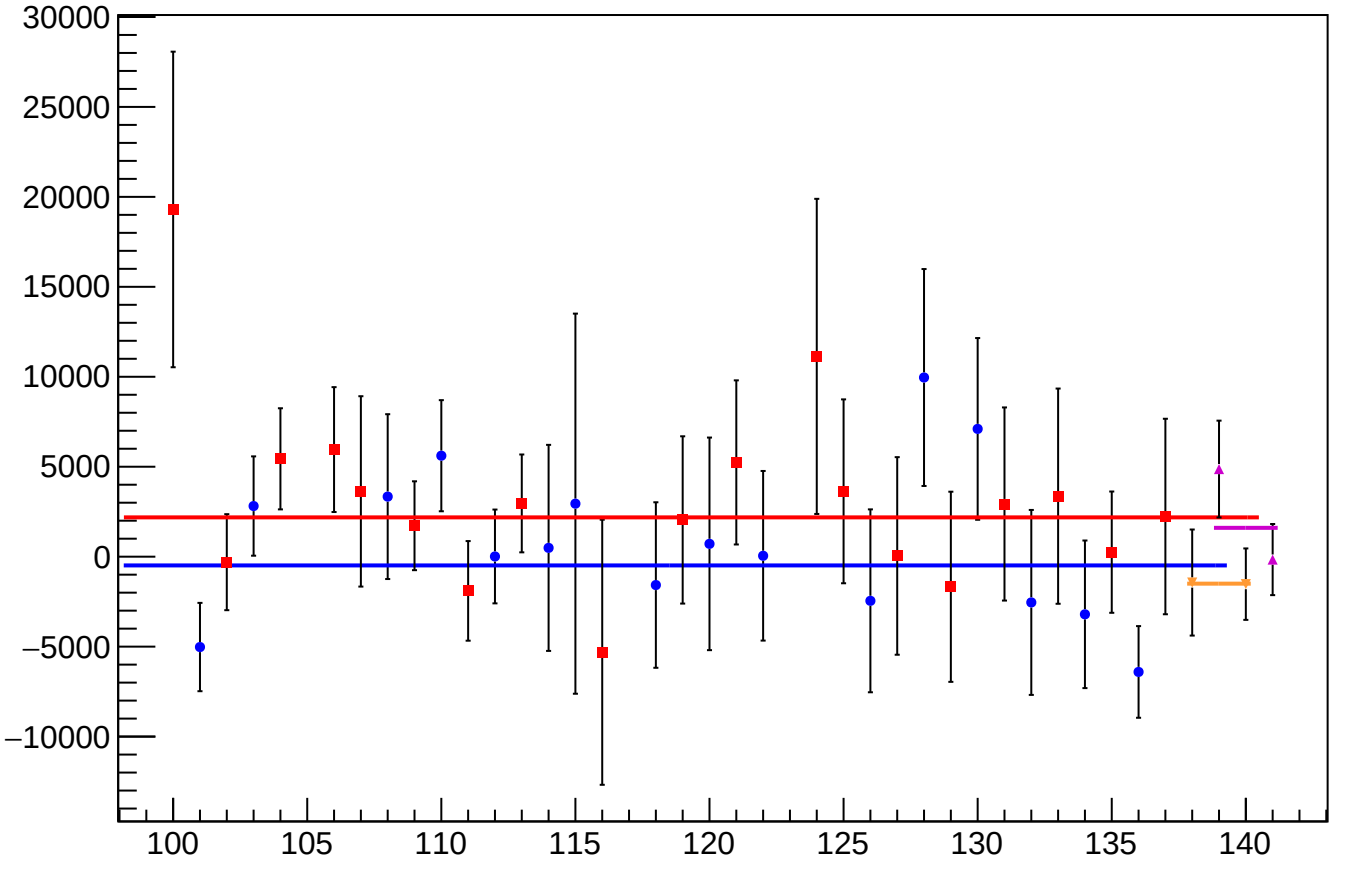
Left: 254.921+/-0.099 χ^2/NDF: 16601.8/3

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 240.678+/-0.058 χ^2/NDF:406304.7/17

Out: 239.422+/-0.057 χ^2/NDF:526260.6/20

All: 240.046+/-0.041 χ^2/NDF: 932803.4/38



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1499.249+/-1646.690 χ^2/NDF:0.0/1

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1603.102+/-1593.240 χ^2/NDF:2.3/1

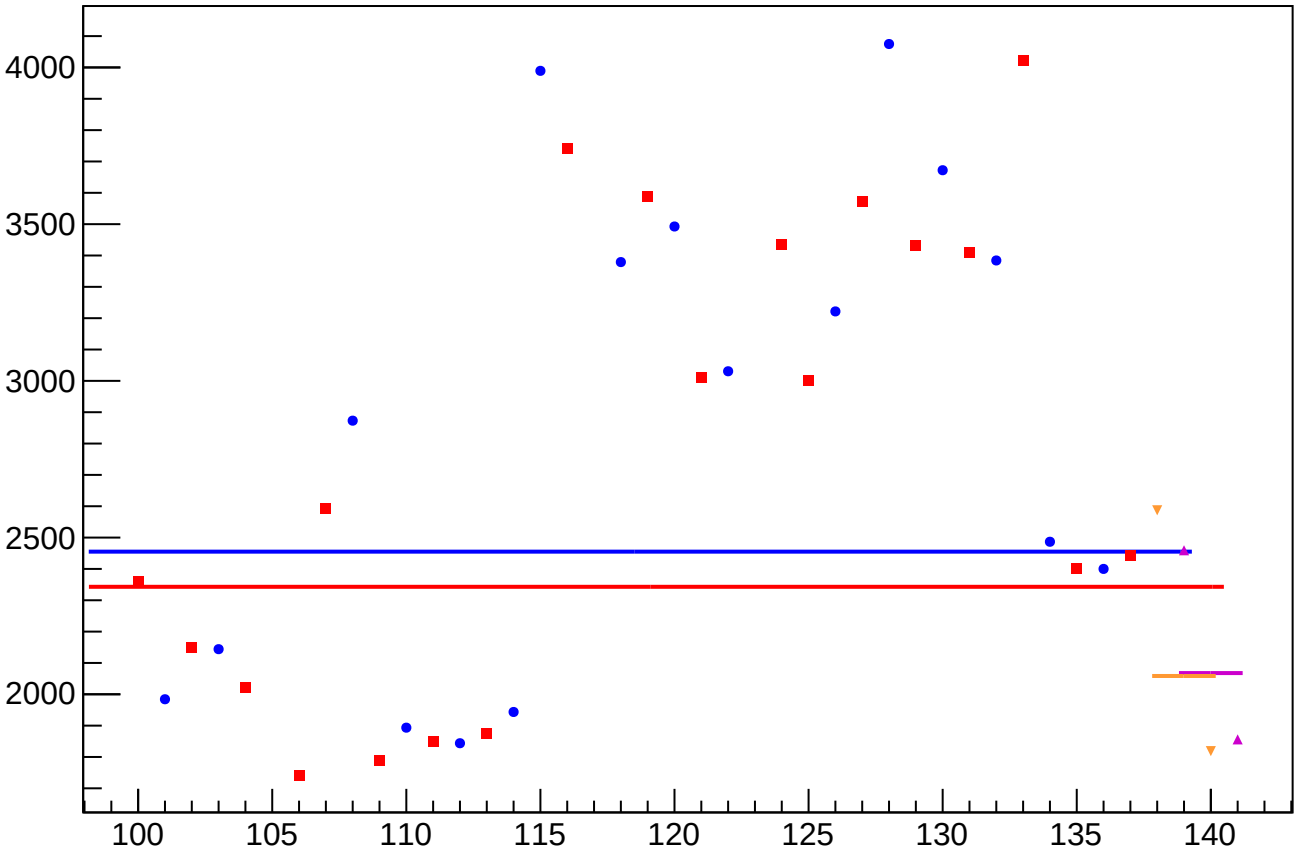
Left: 103.093+/-1145.021 χ^2/NDF: 4.1/3

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 59.708+/-814.352 χ^2/NDF:24.7/17

Out: 1343.457+/-786.942 χ^2/NDF:17.1/20

All: 723.550+/-565.894 χ^2/NDF: 43.1/38



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2058.411+/-1.164 χ^2/NDF:93497.8/1

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2067.688+/-1.127 χ^2/NDF:65303.5/1

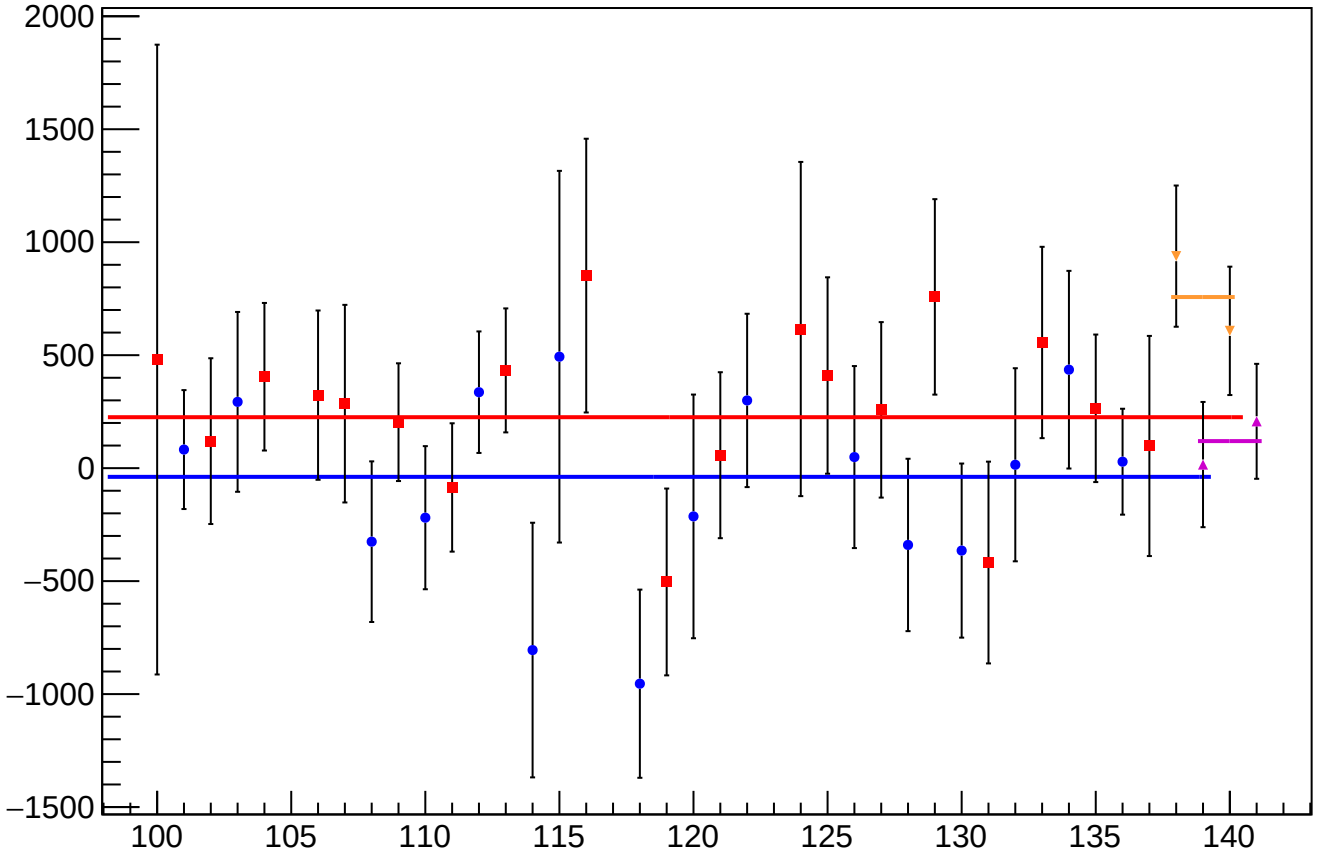
Left: 2063.203+/-0.810 χ^2/NDF: 158834.0/3

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2353.908+/-0.576 χ^2/NDF:1047033.6/17

Out: 2277.971+/-0.556 χ^2/NDF:1209965.0/20

All: 2314.640+/-0.400 χ^2/NDF: 2265991.5/38



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 757.296+/-210.214 χ^2/NDF:0.6/1

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 119.738+/-187.399 χ^2/NDF:0.3/1

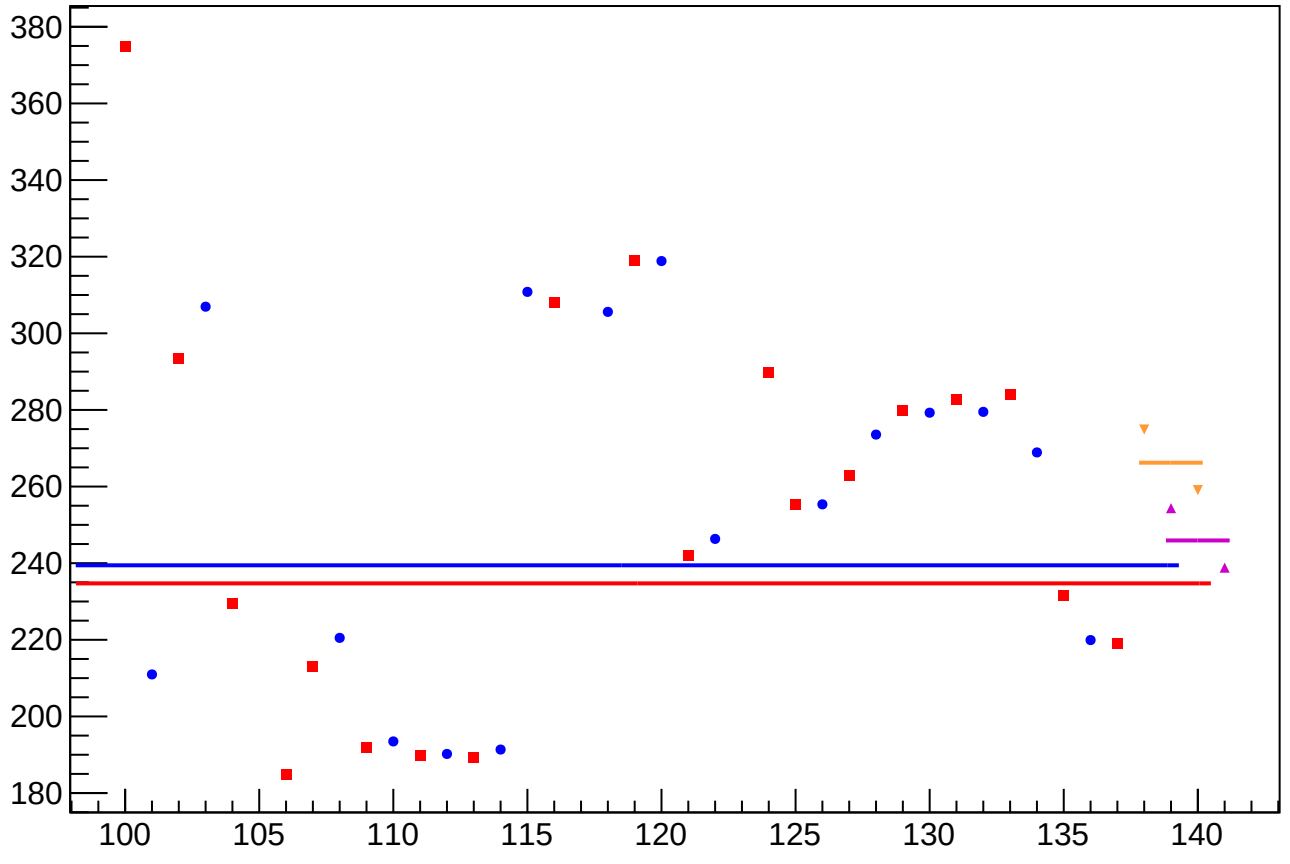
Left: 402.054+/-139.884 χ^2/NDF: 6.0/3

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: -8.527+/-81.581 χ^2/NDF:15.3/17

Out: 304.690+/-81.113 χ^2/NDF:17.5/20

All: 148.983+/-57.520 χ^2/NDF: 40.2/38



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 266.231+/-0.149 χ^2/NDF:2805.4/1

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 245.933+/-0.133 χ^2/NDF:3406.3/1

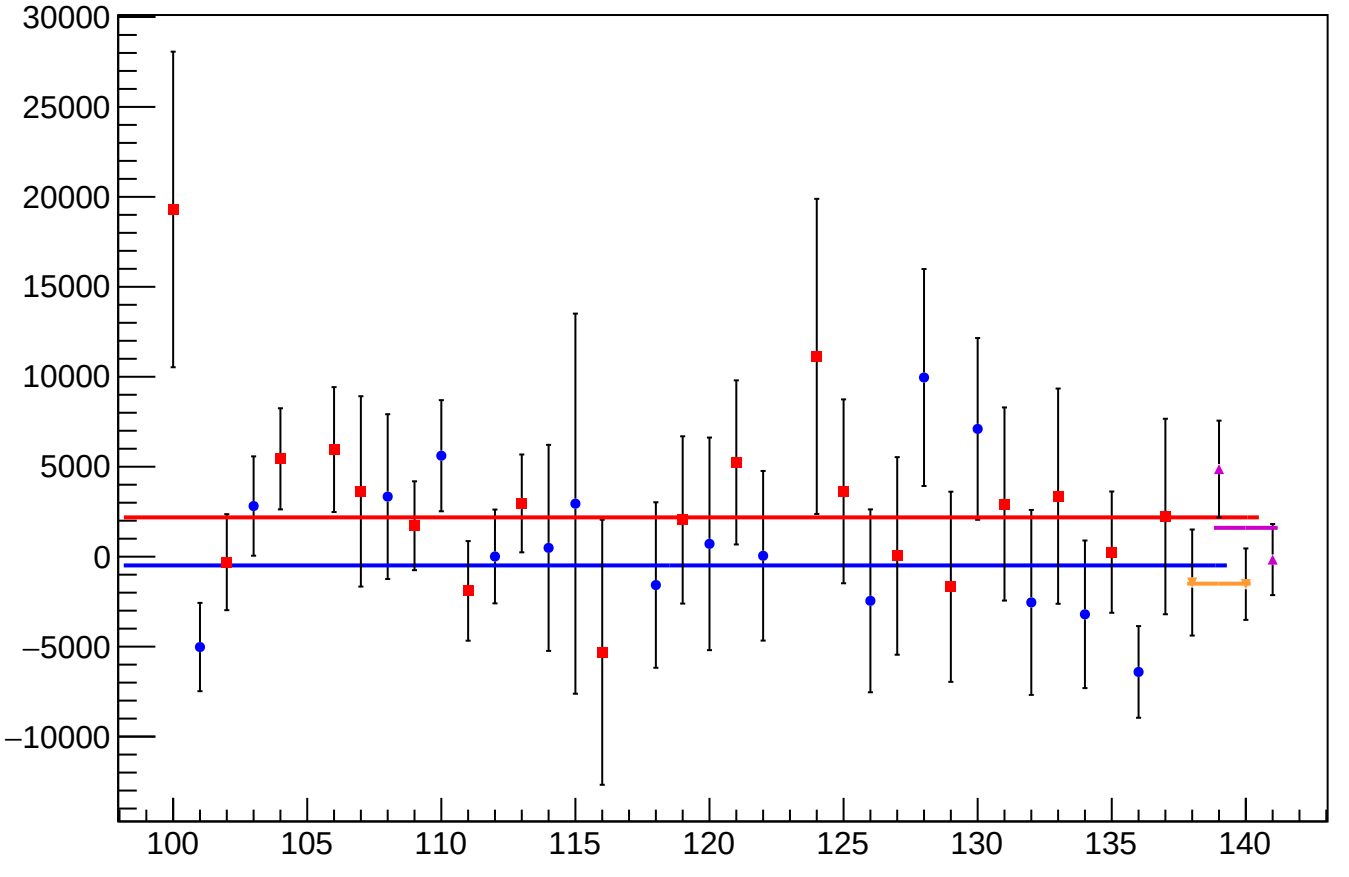
Left: 254.921+/-0.099 χ^2/NDF: 16601.8/3

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 240.678+/-0.058 χ^2/NDF:406304.7/17

Out: 239.422+/-0.057 χ^2/NDF:526260.6/20

All: 240.046+/-0.041 χ^2/NDF: 932803.4/38



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1499.249+/-1646.690 χ^2/NDF:0.0/1

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1603.102+/-1593.240 χ^2/NDF:2.3/1

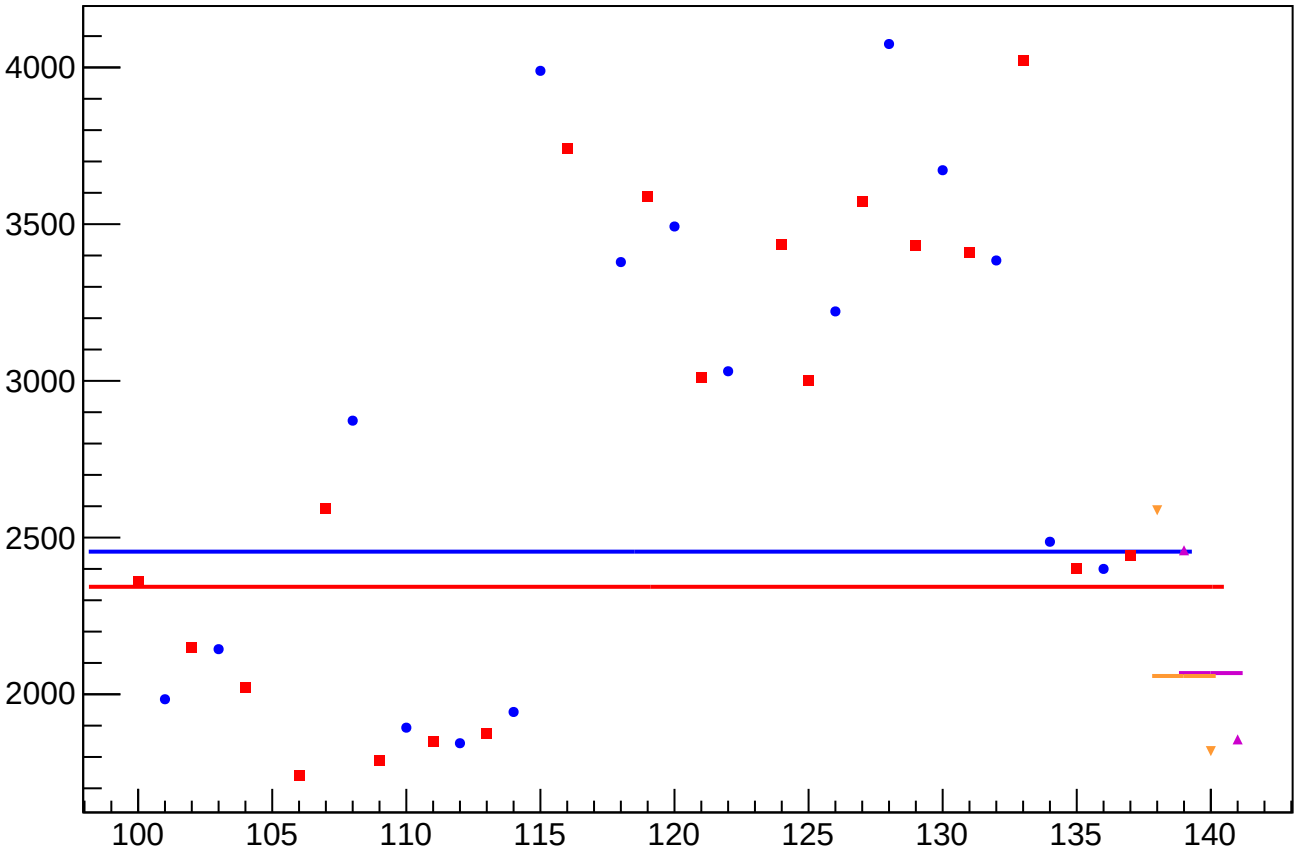
Left: 103.093+/-1145.021 χ^2/NDF: 4.1/3

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 59.708+/-814.352 χ^2/NDF:24.7/17

Out: 1343.457+/-786.942 χ^2/NDF:17.1/20

All: 723.550+/-565.894 χ^2/NDF: 43.1/38



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2058.411+/-1.164 χ^2/NDF:93497.8/1

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2067.688+/-1.127 χ^2/NDF:65303.5/1

Left: 2063.203+/-0.810 χ^2/NDF: 158834.0/3

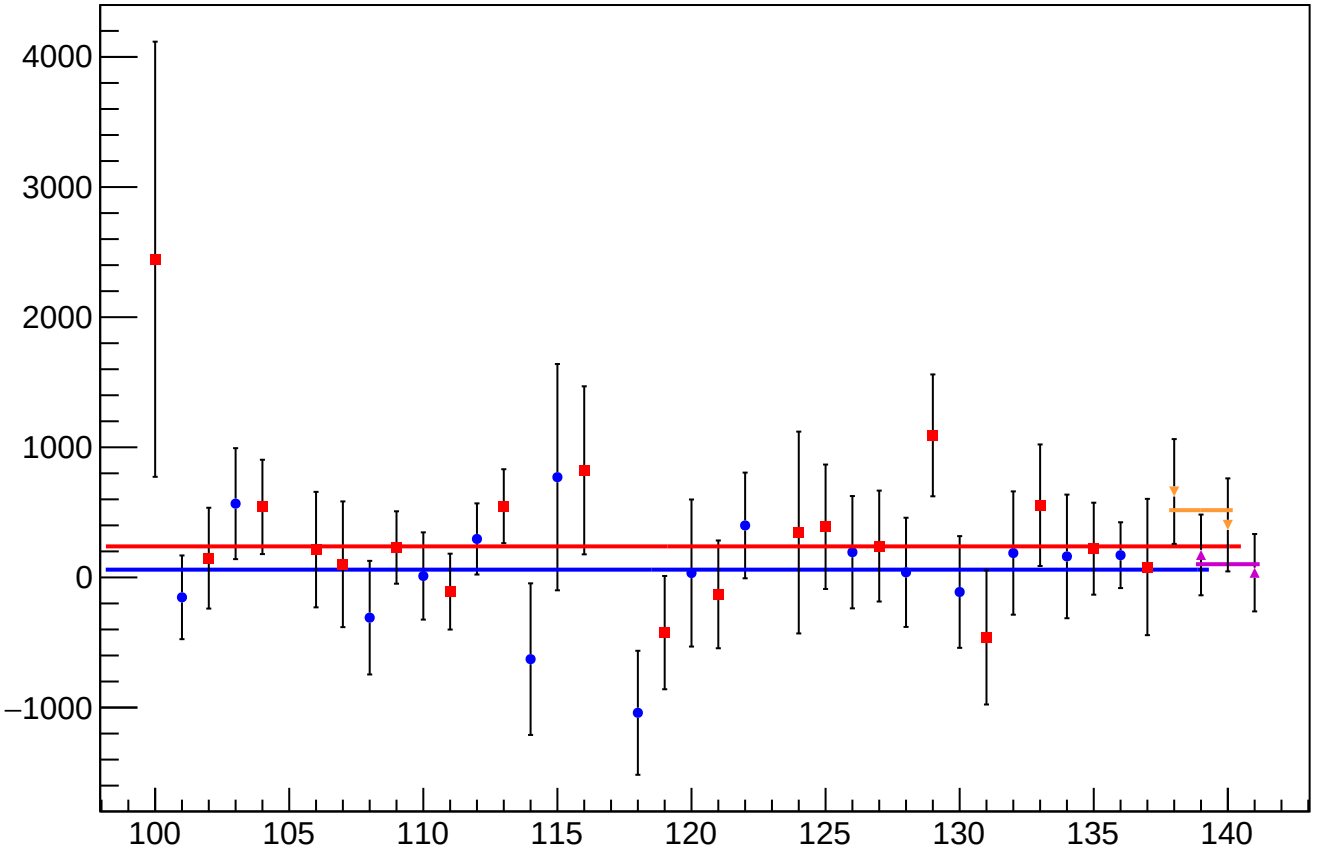
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2353.908+/-0.576 χ^2/NDF:1047033.6/17

Out: 2277.971+/-0.556 χ^2/NDF:1209965.0/20

All: 2314.640+/-0.400 χ^2/NDF: 2265991.5/38

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 516.828+/-267.341 χ^2/NDF:0.2/1

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 101.581+/-214.611 χ^2/NDF:0.1/1

Left: 264.310+/-167.357 χ^2/NDF: 1.8/3

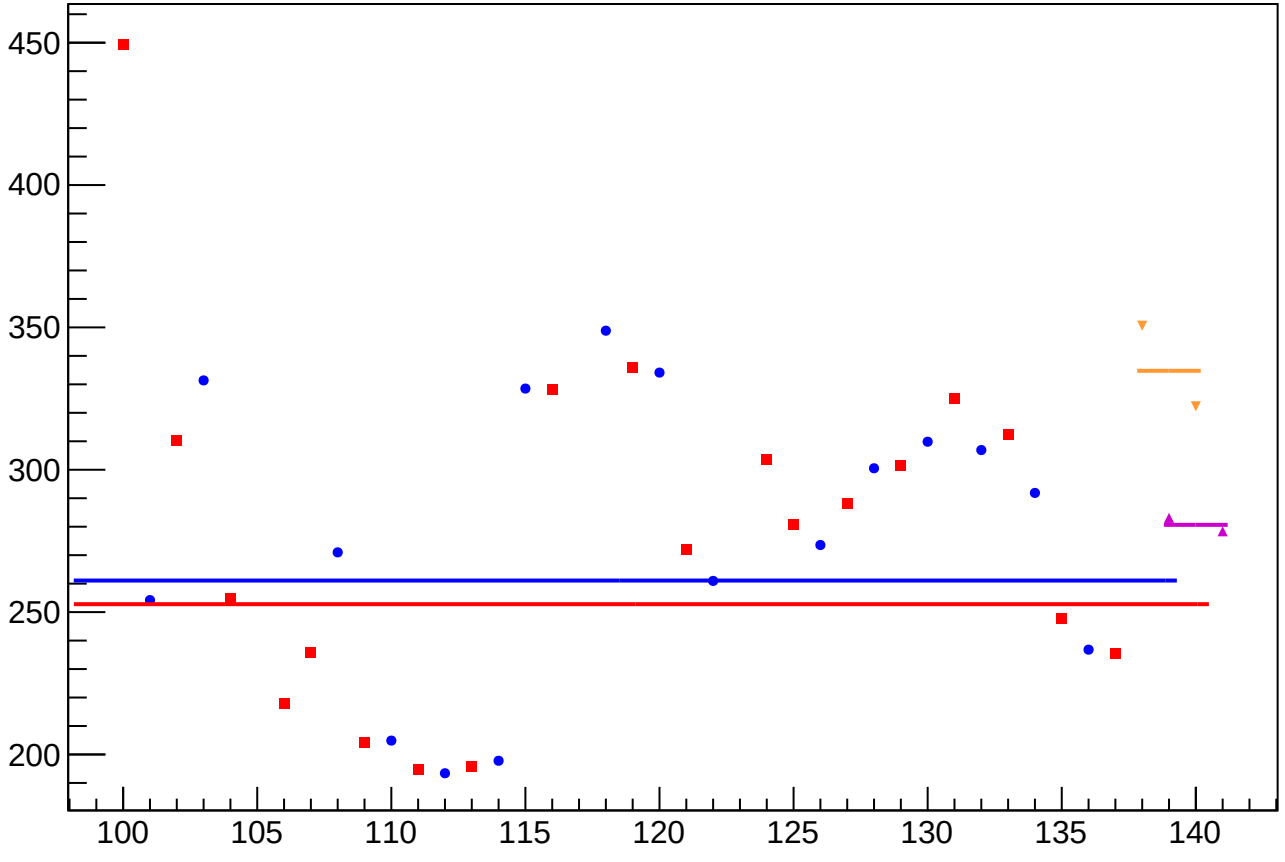
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 67.100+/-90.068 χ^2/NDF:12.1/17

Out: 269.756+/-89.568 χ^2/NDF:16.1/20

All: 168.991+/-63.510 χ^2/NDF: 30.8/38

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 334.756+/-0.189 χ^2/NDF:5529.7/1

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 280.649+/-0.152 χ^2/NDF:240.1/1

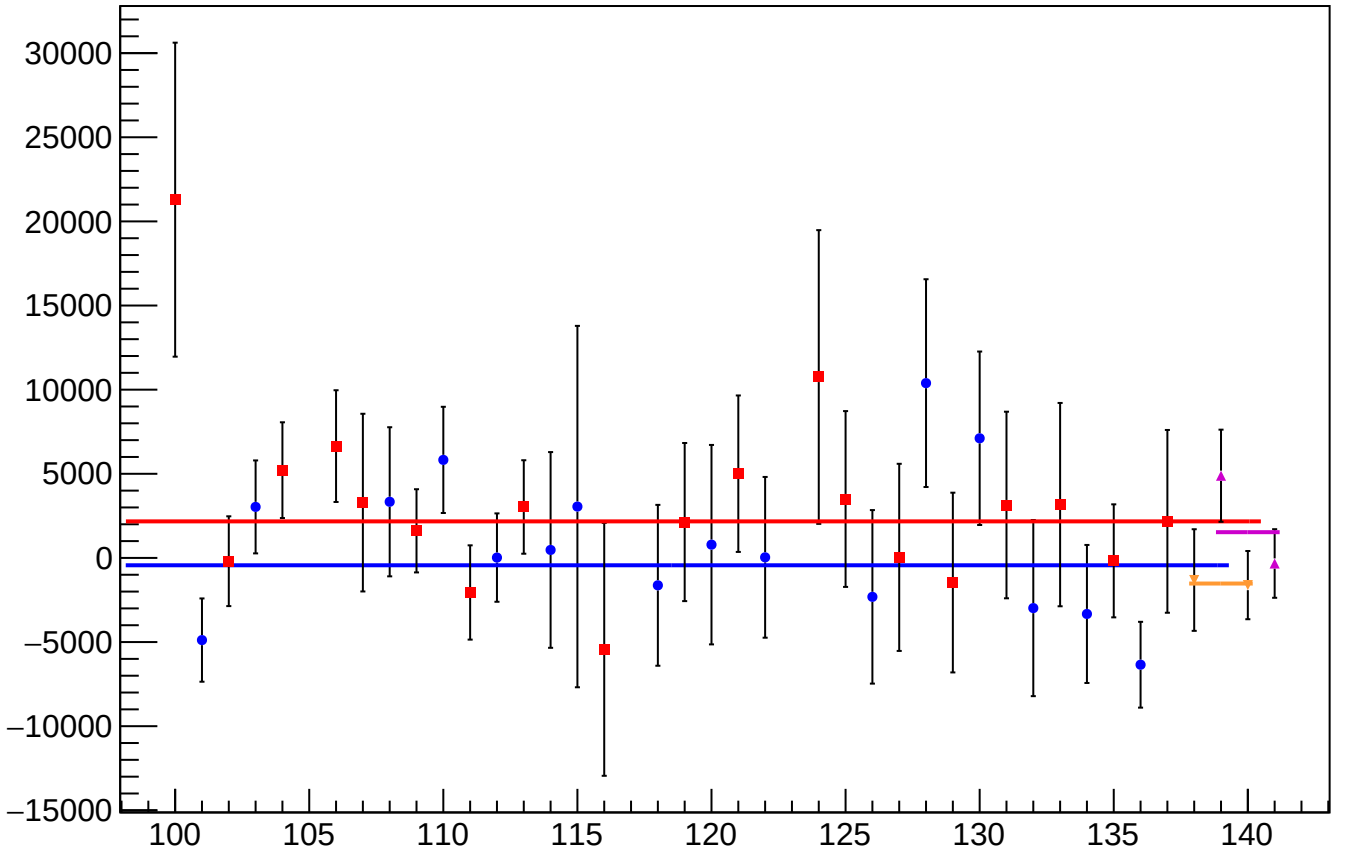
Left: 301.853+/-0.118 χ^2/NDF: 55589.3/3

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 264.534+/-0.064 χ^2/NDF:476589.7/17

Out: 261.988+/-0.063 χ^2/NDF:709734.1/20

All: 263.254+/-0.045 χ^2/NDF: 1187127.4/38



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -1522.036+/-1683.154 χ^2/NDF:0.0/1

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1530.235+/-1634.774 χ^2/NDF:2.3/1

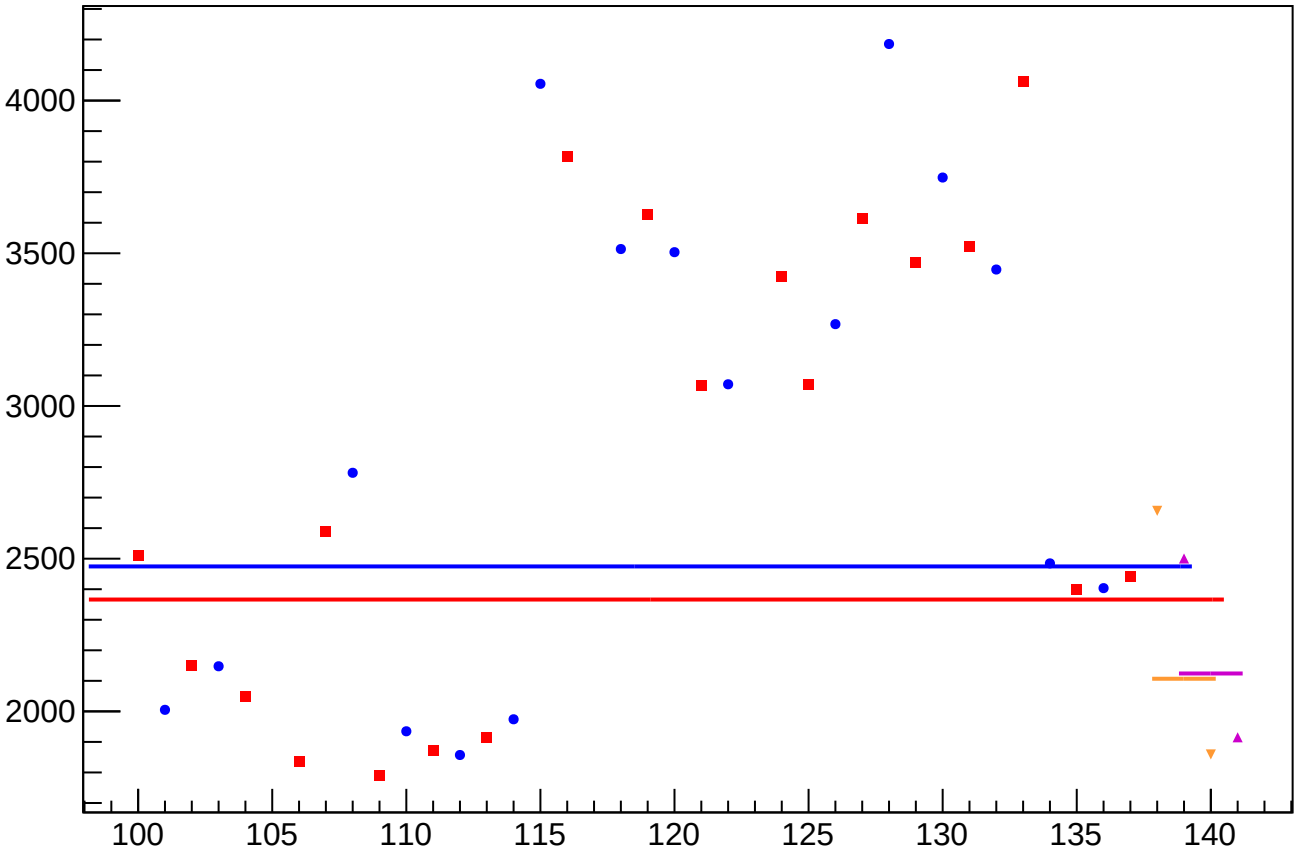
Left: 48.596+/-1172.691 χ^2/NDF: 4.0/3

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 63.837+/-824.691 χ^2/NDF:24.6/17

Out: 1349.160+/-794.419 χ^2/NDF:17.7/20

All: 730.522+/-572.142 χ^2/NDF: 43.6/38



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2106.847+/-1.190 χ^2/NDF:96204.8/1

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2124.080+/-1.156 χ^2/NDF:58876.3/1

Left: 2115.714+/-0.829 χ^2/NDF: 155188.9/3

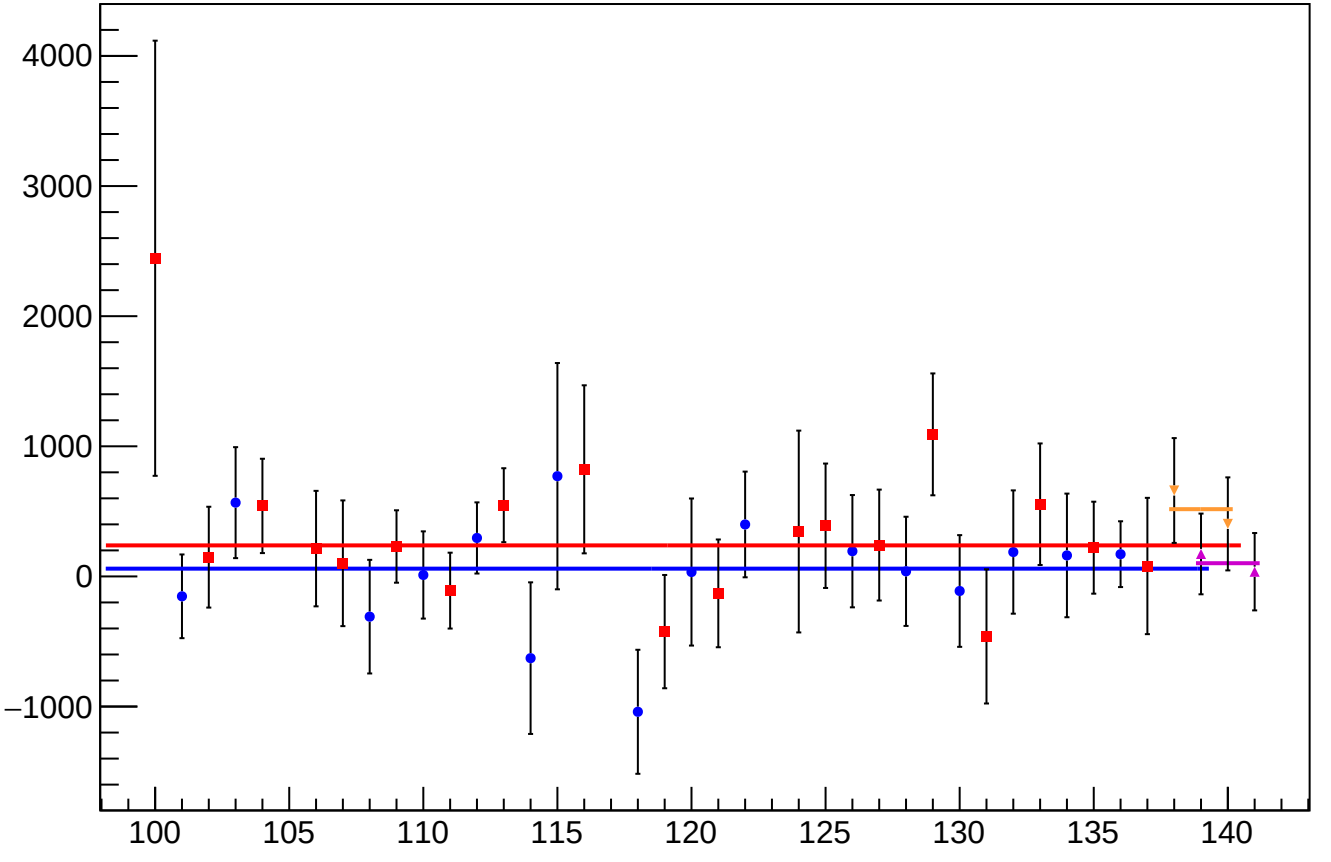
Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2385.413+/-0.583 χ^2/NDF:1043683.9/17

Out: 2308.441+/-0.562 χ^2/NDF:1210293.8/20

All: 2345.488+/-0.405 χ^2/NDF: 2263014.6/38

eigen_dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 516.836+/-267.341 χ^2/NDF:0.2/1

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 101.578+/-214.611 χ^2/NDF:0.1/1

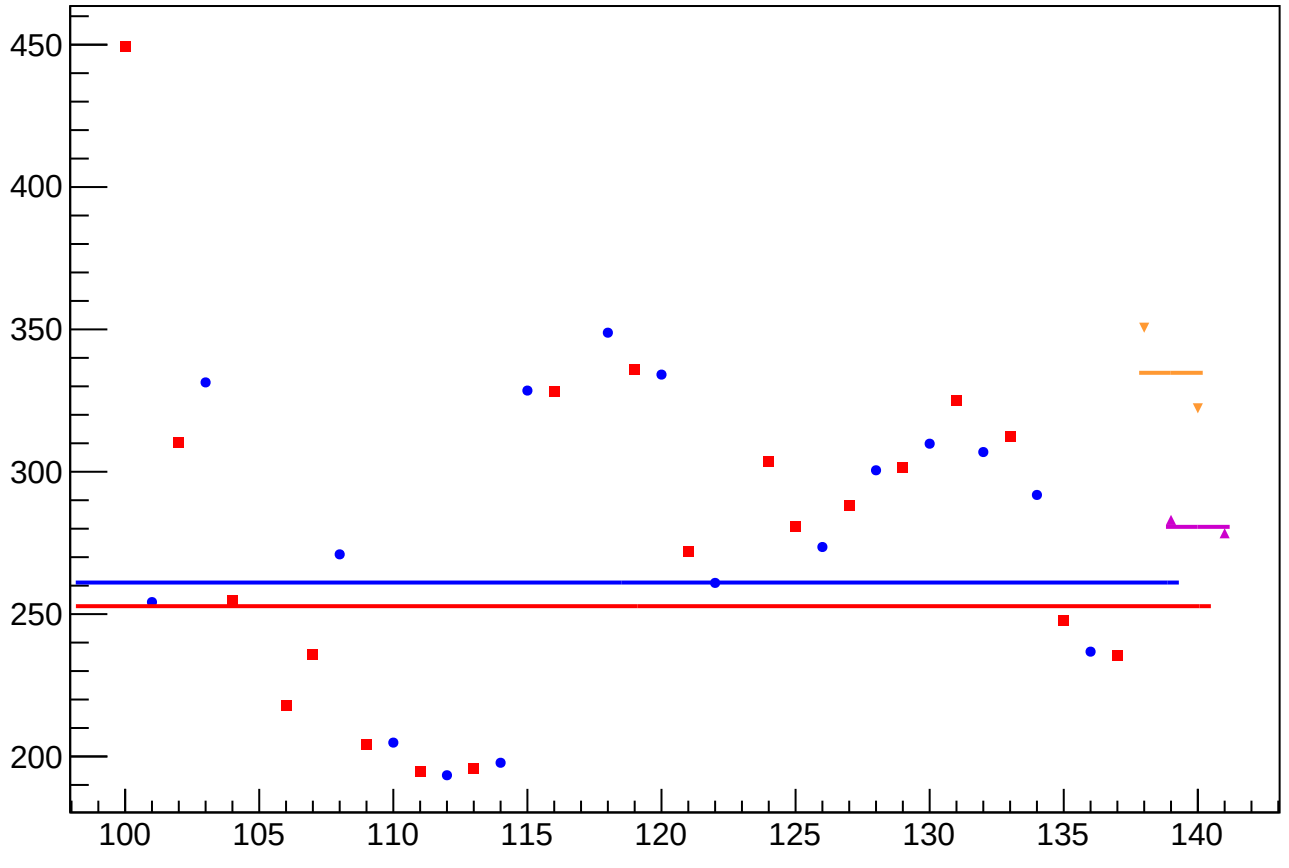
Left: 264.311+/-167.357 χ^2/NDF: 1.8/3

Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 67.104+/-90.068 χ^2/NDF:12.1/17

Out: 269.756+/-89.568 χ^2/NDF:16.1/20

All: 168.994+/-63.510 χ^2/NDF: 30.8/38



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 334.756+/-0.189 χ^2/NDF:5529.1/1

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 280.649+/-0.152 χ^2/NDF:240.0/1

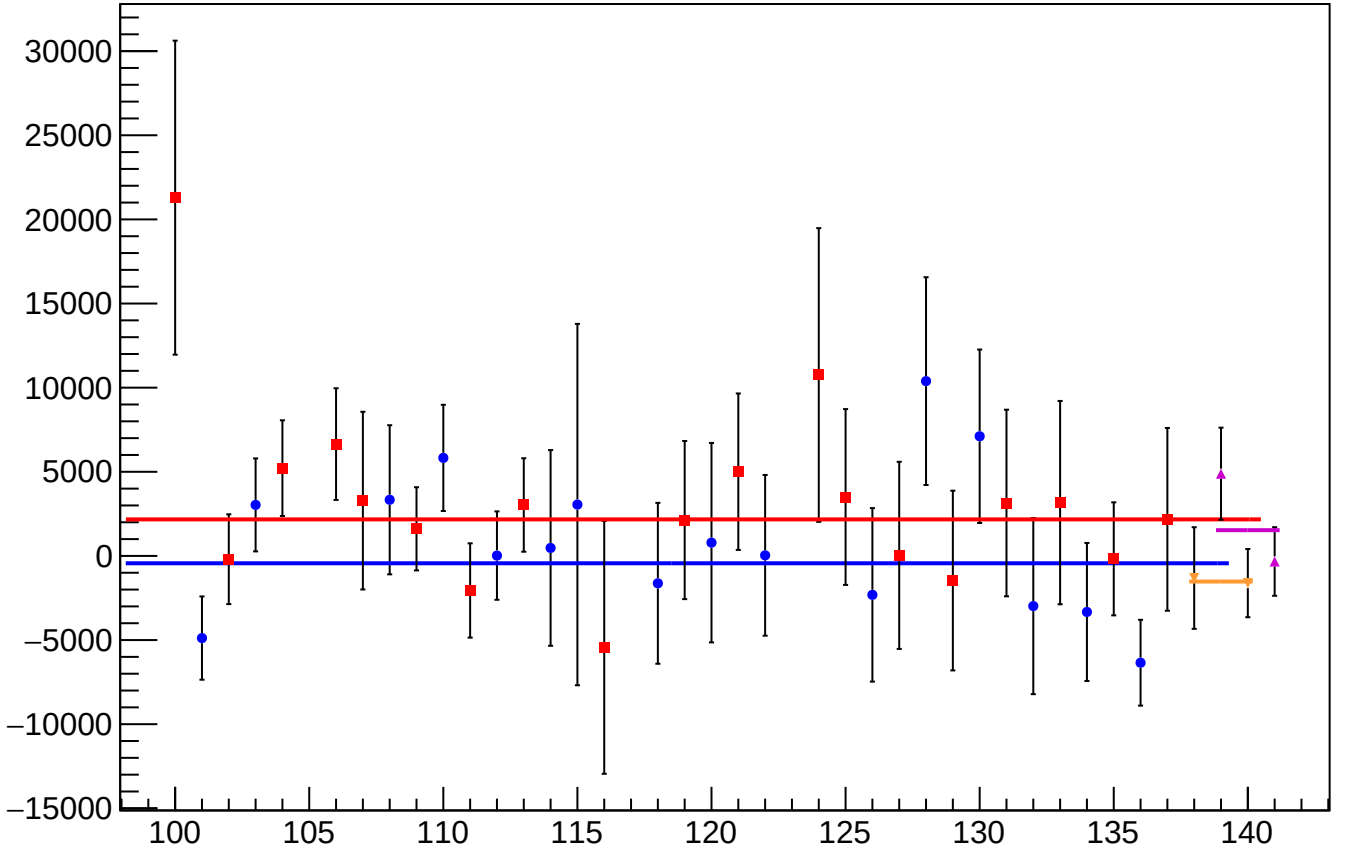
Left: 301.853+/-0.118 χ^2/NDF: 55588.8/3

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 264.534+/-0.064 χ^2/NDF:476592.4/17

Out: 261.988+/-0.063 χ^2/NDF:709736.7/20

All: 263.254+/-0.045 χ^2/NDF: 1187132.7/38



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -1522.031+/-1683.149 χ^2/NDF:0.0/1

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1530.234+/-1634.771 χ^2/NDF:2.3/1

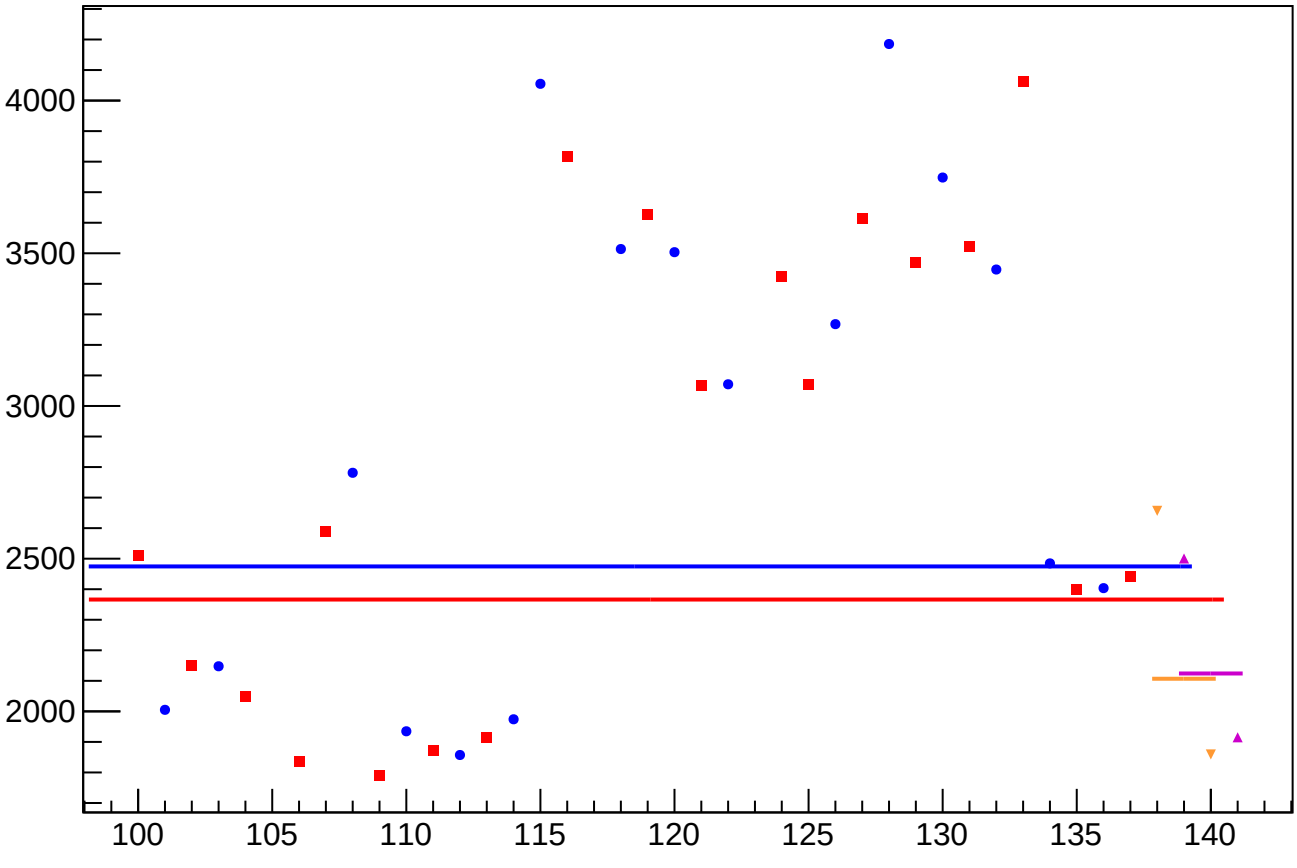
Left: 48.597+/-1172.688 χ^2/NDF: 4.0/3

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 63.839+/-824.691 χ^2/NDF:24.6/17

Out: 1349.158+/-794.418 χ^2/NDF:17.7/20

All: 730.522+/-572.141 χ^2/NDF: 43.6/38



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2106.842+/-1.190 χ^2/NDF:96204.7/1

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2124.076+/-1.156 χ^2/NDF:58877.0/1

Left: 2115.710+/-0.829 χ^2/NDF: 155189.7/3

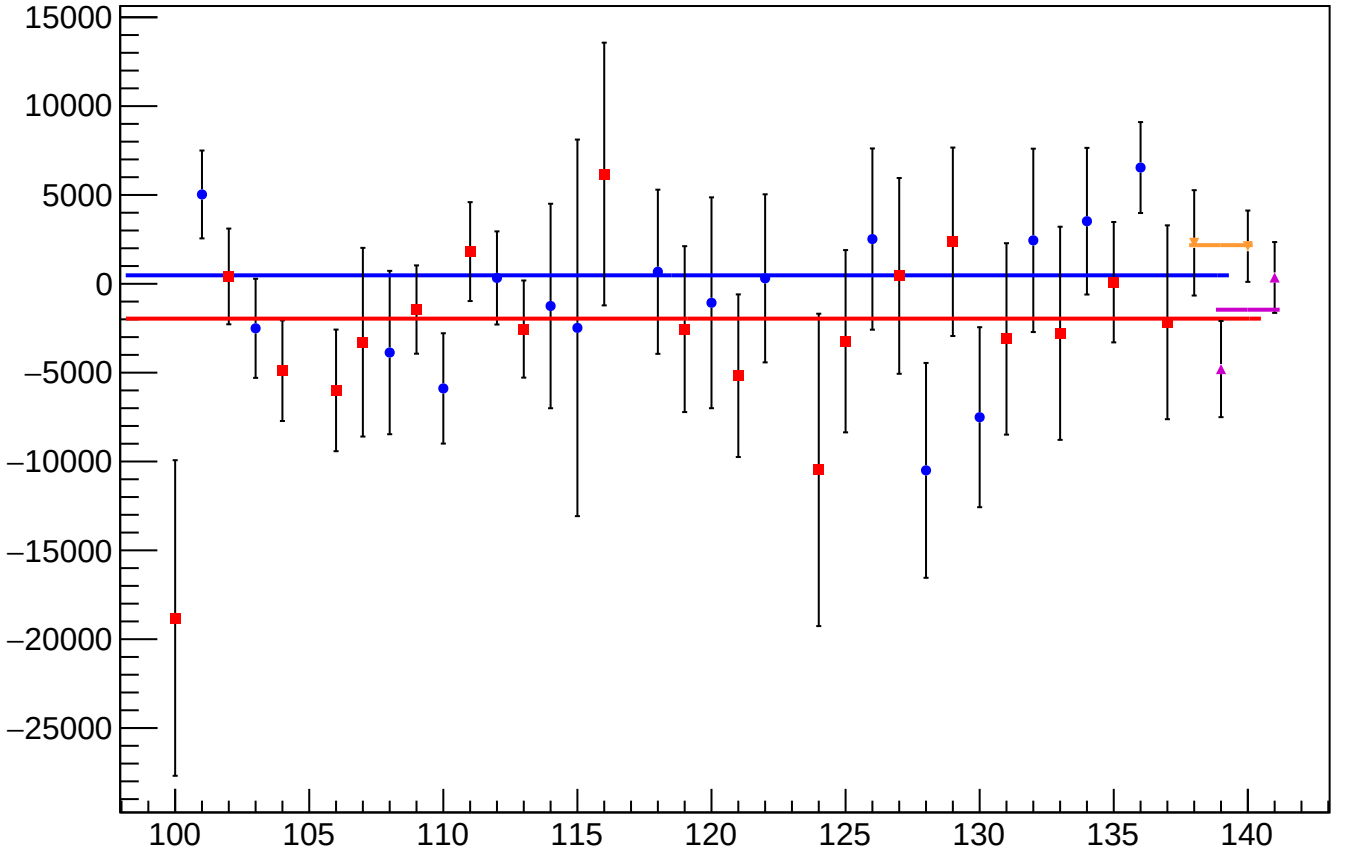
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2385.411+/-0.583 χ^2/NDF:1043689.0/17

Out: 2308.438+/-0.562 χ^2/NDF:1210297.3/20

All: 2345.486+/-0.405 χ^2/NDF: 2263023.3/38

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2175.480+/-1661.595 χ^2/NDF:0.0/1

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -1457.373+/-1604.971 χ^2/NDF:2.4/1

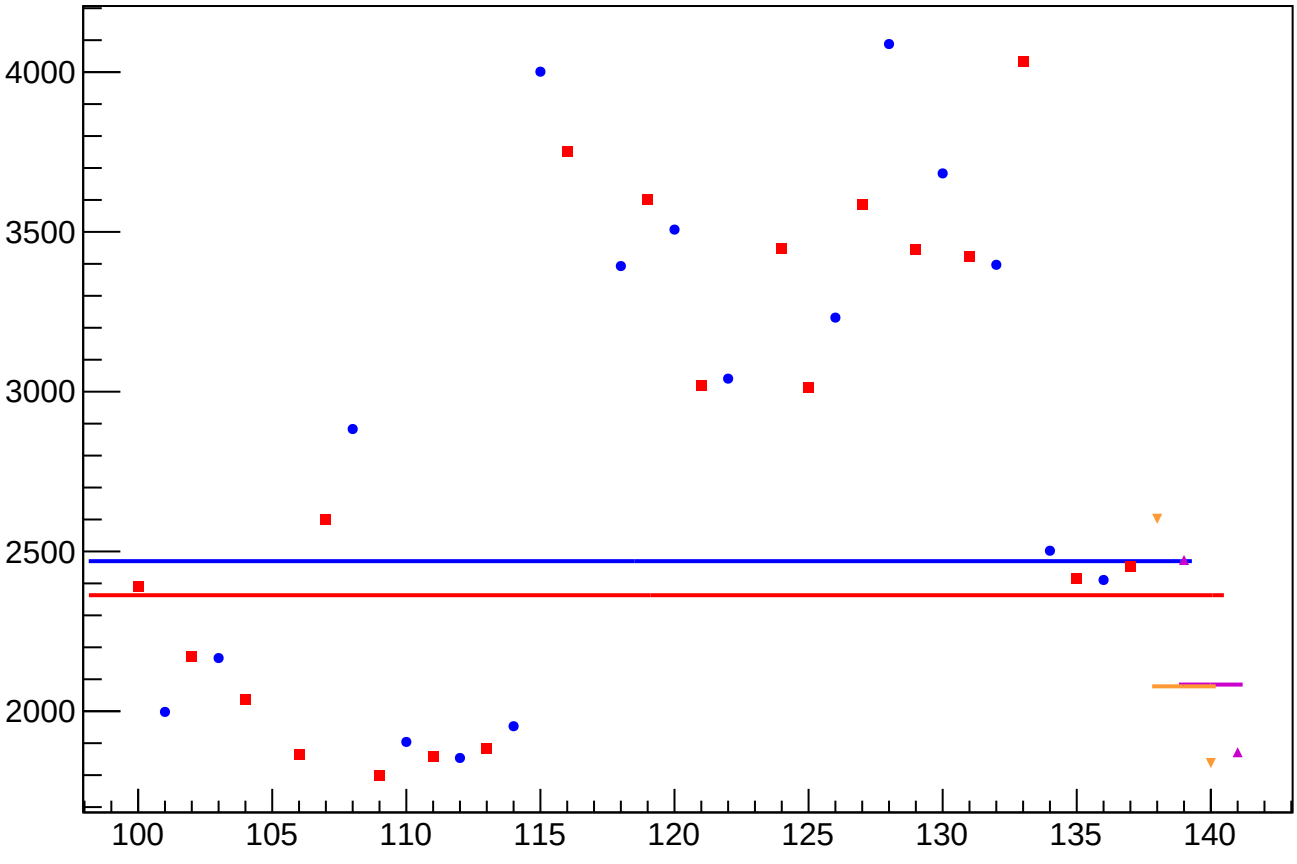
Left: 296.099+/-1154.385 χ^2/NDF: 4.8/3

Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -26.828+/-819.273 χ^2/NDF:25.5/17

Out: -1022.021+/-791.166 χ^2/NDF:17.6/20

All: -541.788+/-569.116 χ^2/NDF: 43.9/38



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2077.870+/-1.175 χ^2/NDF:91176.2/1

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2083.423+/-1.135 χ^2/NDF:64087.5/1

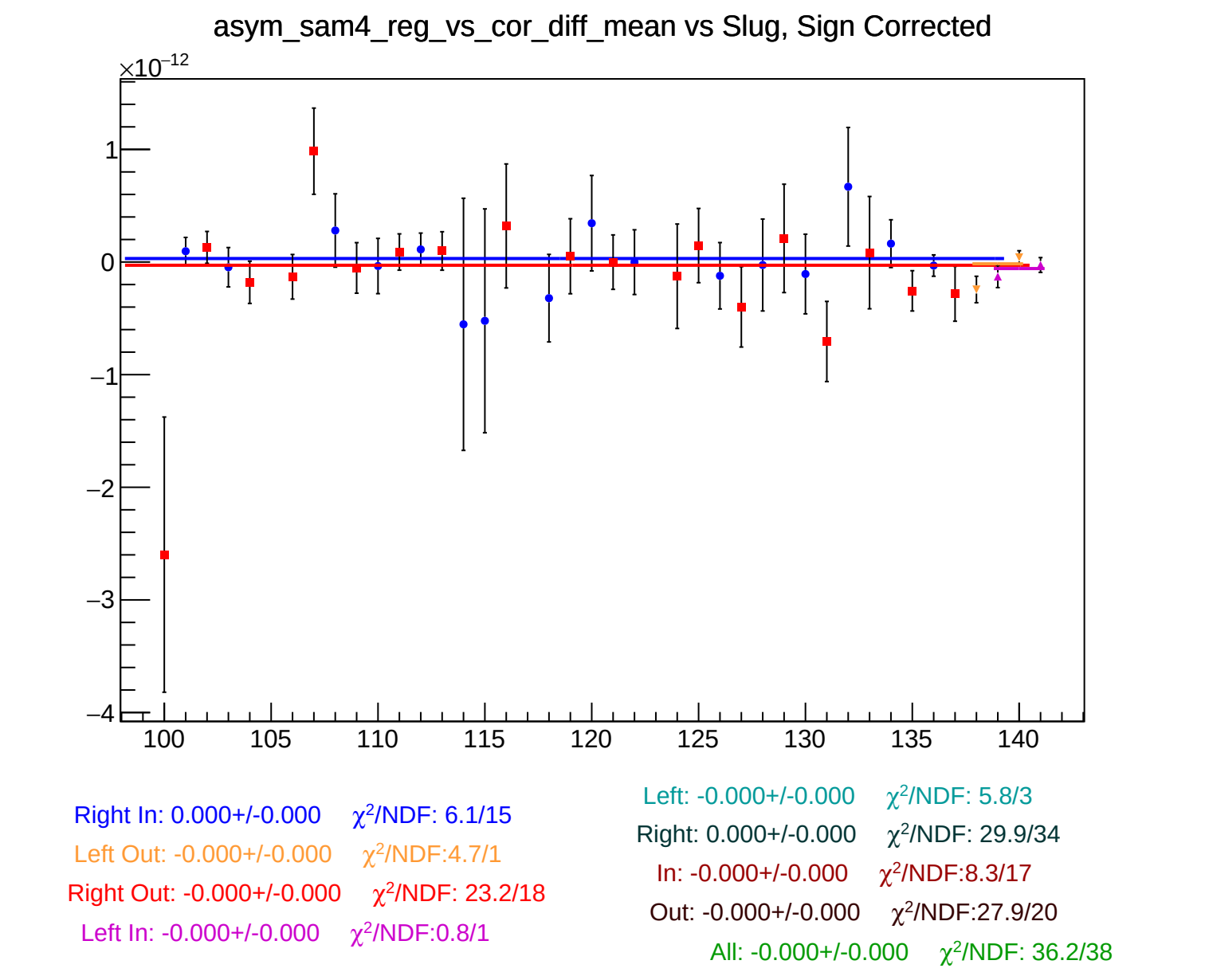
Left: 2080.743+/-0.816 χ^2/NDF: 155275.2/3

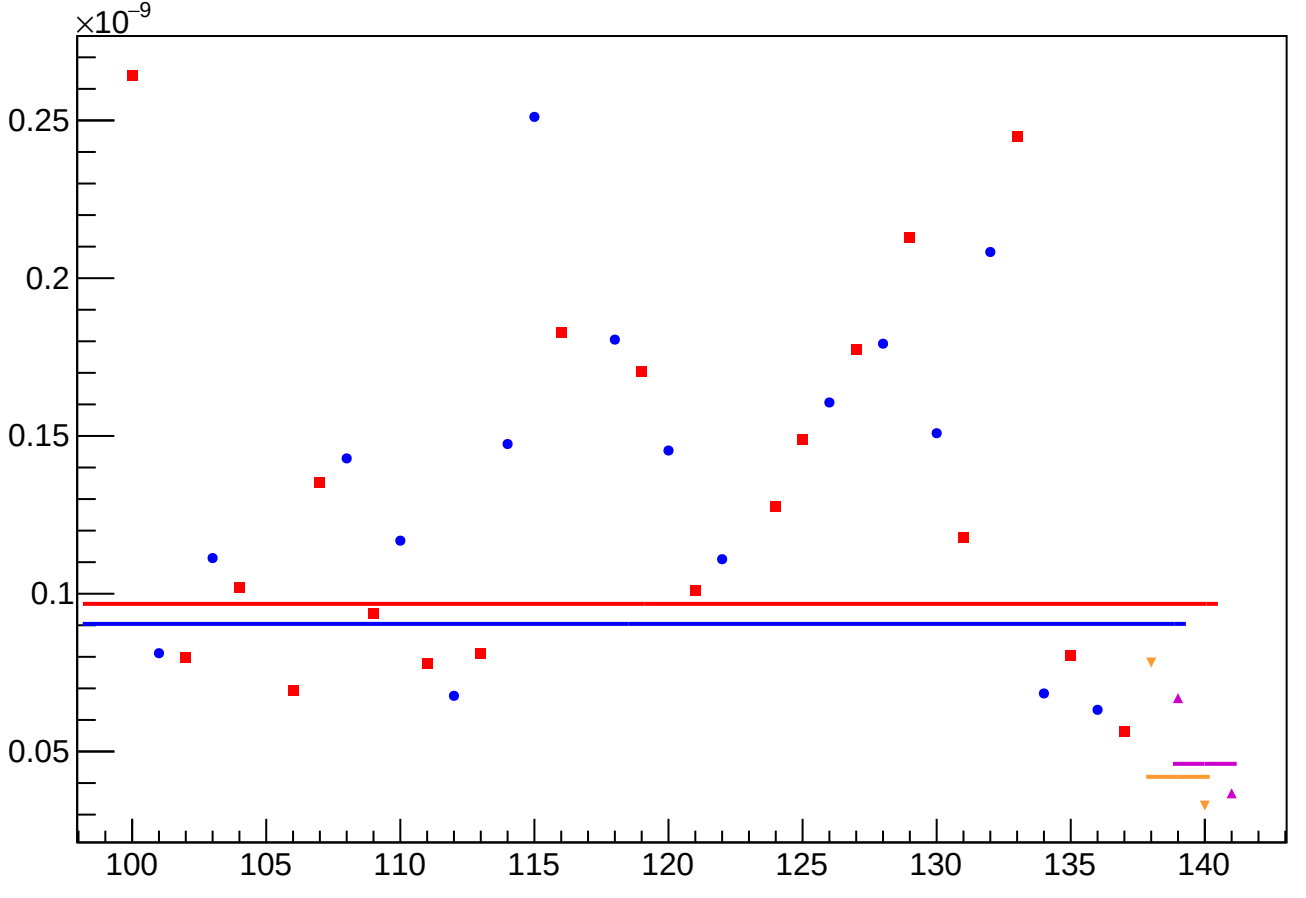
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2369.003+/-0.579 χ^2/NDF:1035902.0/17

Out: 2298.397+/-0.559 χ^2/NDF:1180078.2/20

All: 2332.468+/-0.402 χ^2/NDF: 2223666.6/38


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: -0.000+/-0.000 χ²/NDF:4.7/1
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: -0.000+/-0.000 χ²/NDF:0.8/1
Left: -0.000+/-0.000 χ²/NDF: 5.8/3
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: -0.000+/-0.000 χ²/NDF:8.3/17
Out: -0.000+/-0.000 χ²/NDF:27.9/20
All: -0.000+/-0.000 χ²/NDF: 36.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:238708.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:130617.0/1

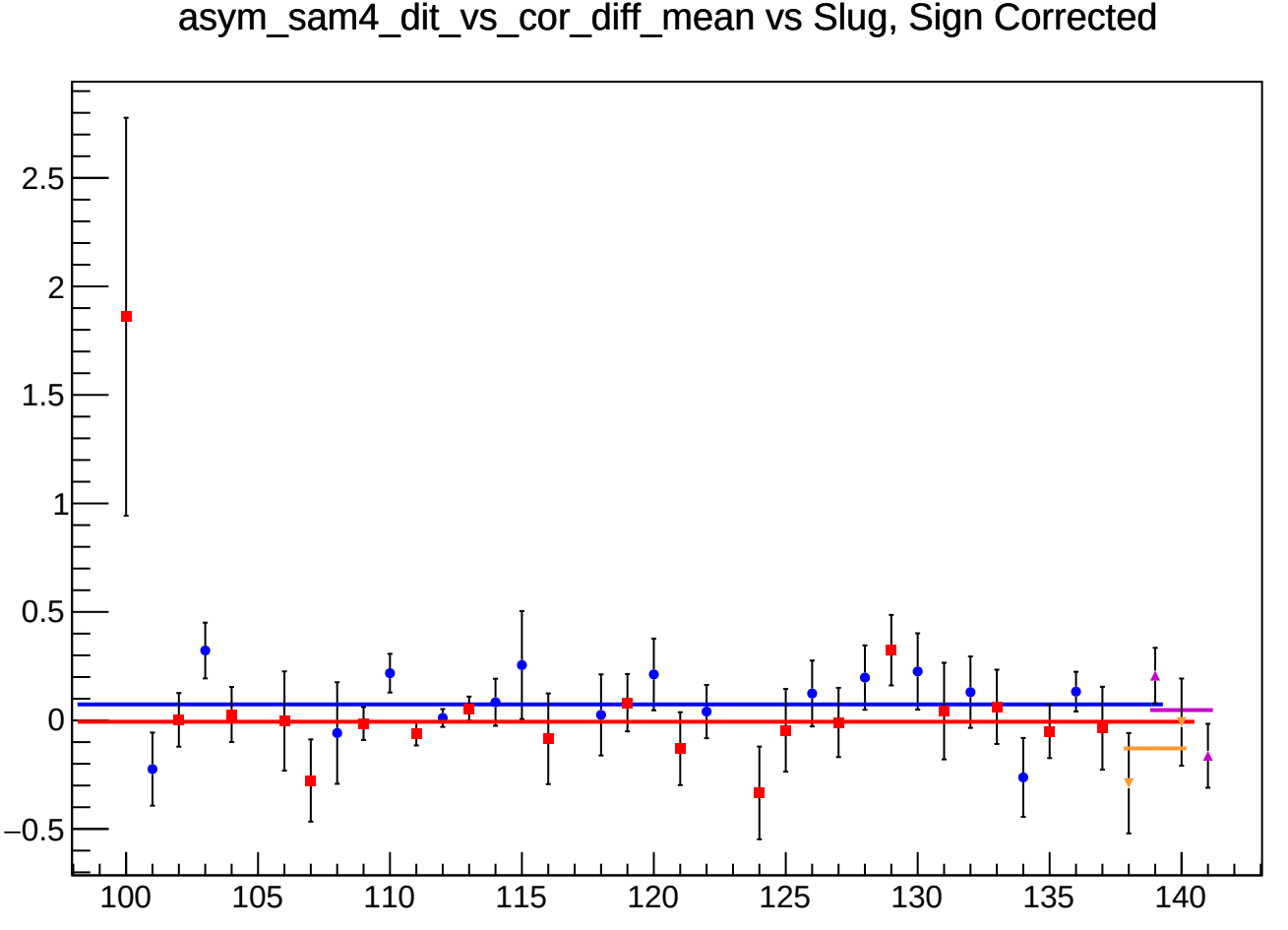
Left: 0.000+/-0.000 χ^2/NDF: 375261.7/3

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:1742652.0/17

Out: 0.000+/-0.000 χ^2/NDF:2109476.1/20

All: 0.000+/-0.000 χ^2/NDF: 3853438.2/38



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.129+/-0.152 χ^2/NDF:0.8/1

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.048+/-0.097 χ^2/NDF:3.6/1

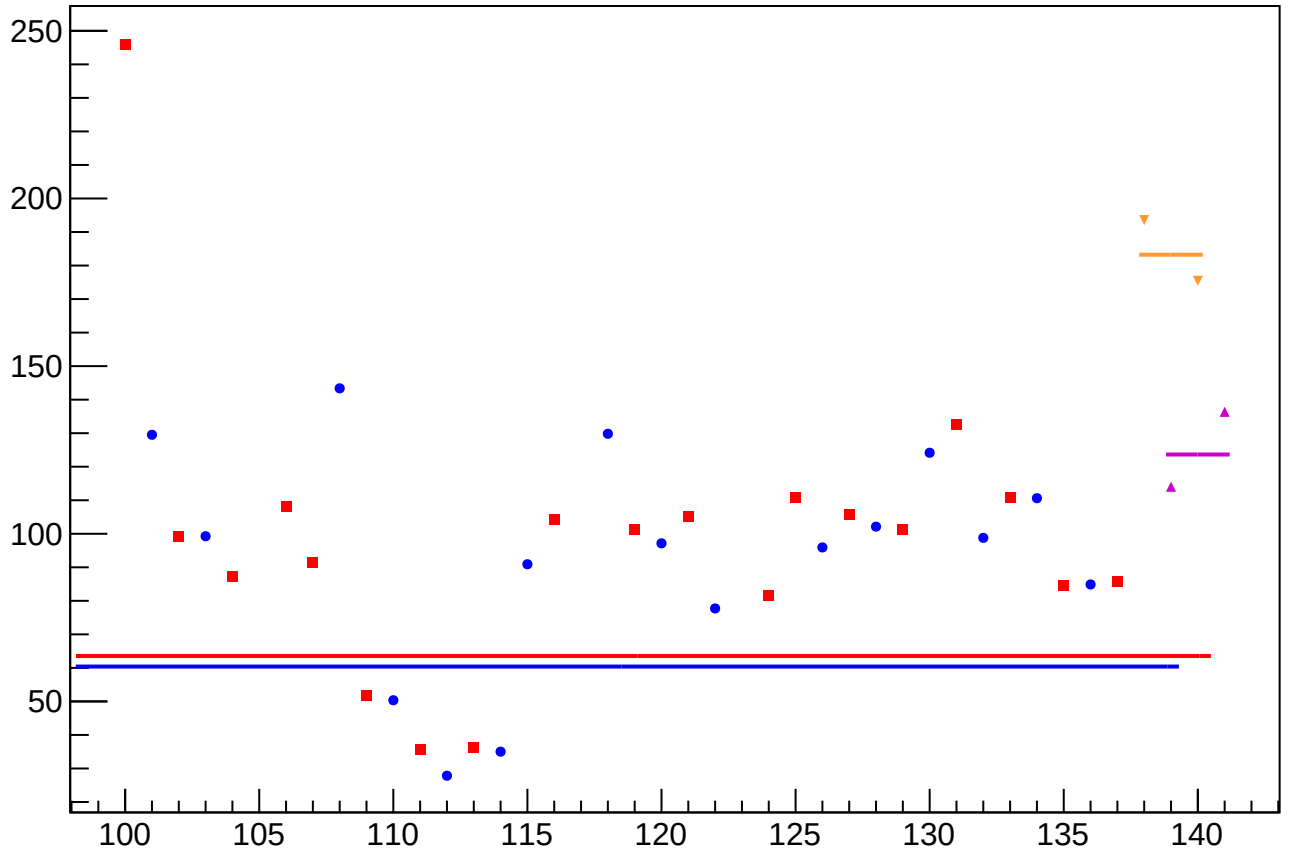
Left: -0.003+/-0.081 χ^2/NDF: 5.4/3

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.026 χ^2/NDF:22.6/17

Out: -0.010+/-0.026 χ^2/NDF:17.9/20

All: 0.032+/-0.019 χ^2/NDF: 45.4/38



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 183.231+/-0.107 χ^2/NDF:6976.9/1

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 123.642+/-0.068 χ^2/NDF:26197.1/1

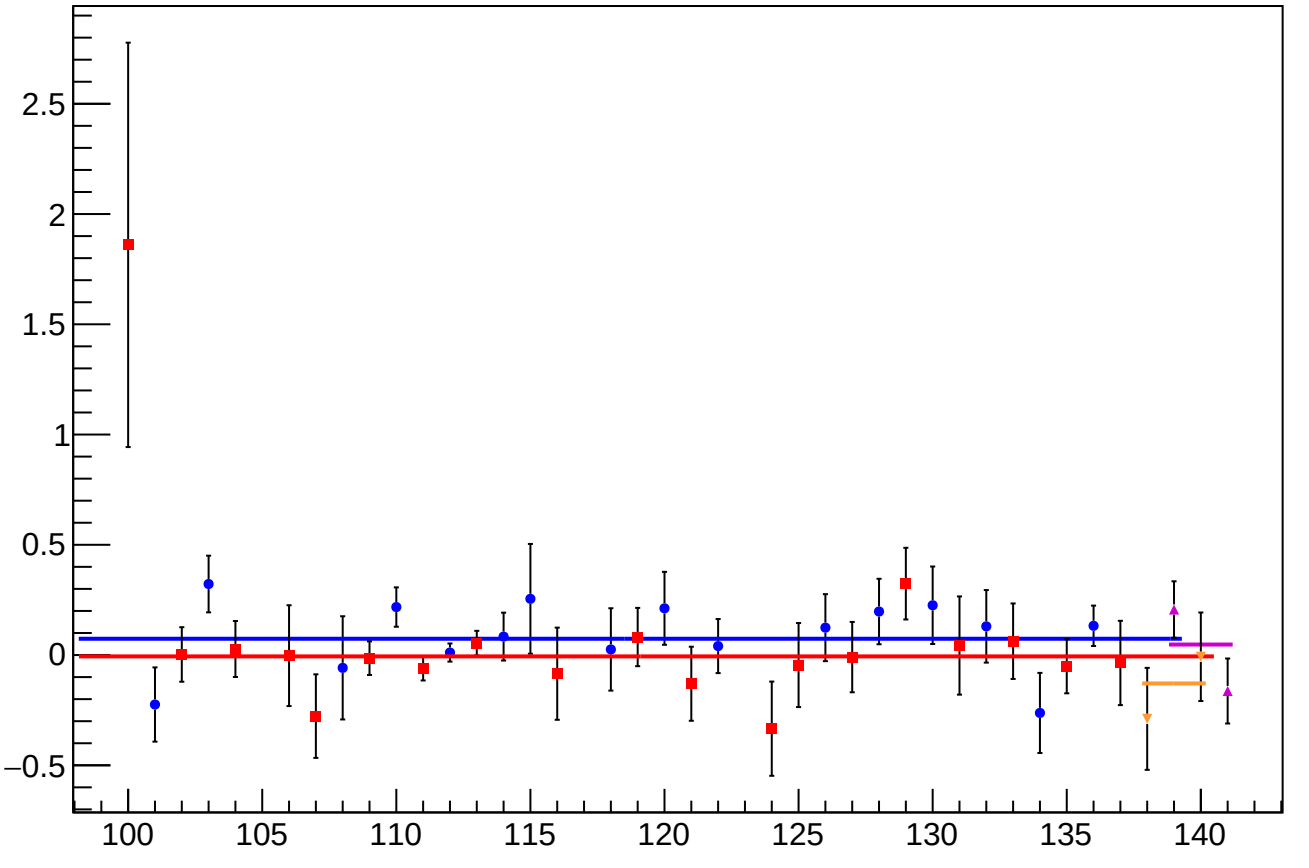
Left: 140.861+/-0.058 χ^2/NDF: 252862.1/3

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 64.983+/-0.018 χ^2/NDF:4358544.5/17

Out: 67.187+/-0.019 χ^2/NDF:3869914.3/20

All: 66.068+/-0.013 χ^2/NDF: 8235526.9/38



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.129+/-0.152 χ^2/NDF:0.8/1

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.048+/-0.097 χ^2/NDF:3.6/1

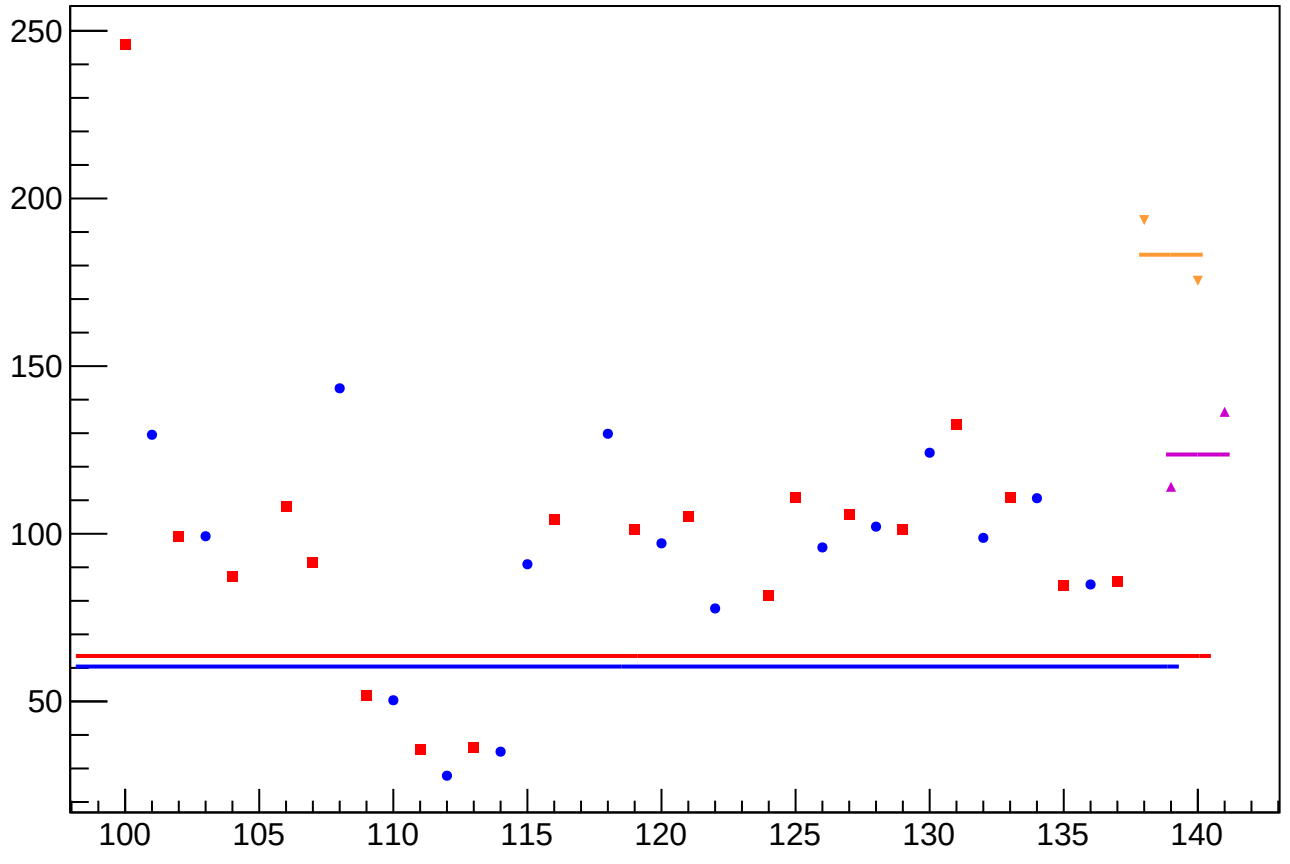
Left: -0.003+/-0.081 χ^2/NDF: 5.4/3

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.026 χ^2/NDF:22.6/17

Out: -0.010+/-0.026 χ^2/NDF:17.9/20

All: 0.032+/-0.019 χ^2/NDF: 45.4/38



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 183.231+/-0.107 χ^2/NDF:6976.9/1

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 123.642+/-0.068 χ^2/NDF:26197.1/1

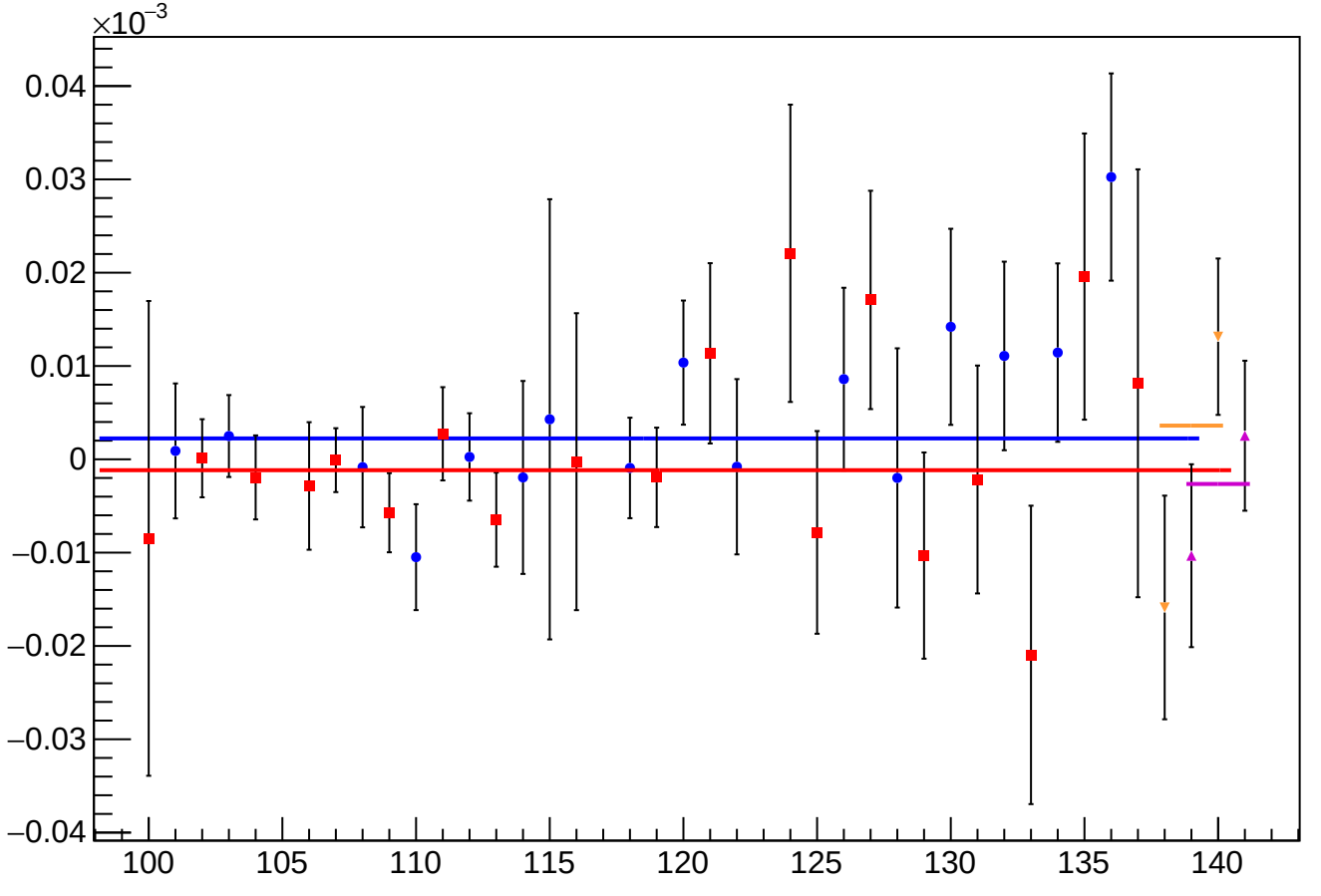
Left: 140.861+/-0.058 χ^2/NDF: 252862.1/3

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 64.983+/-0.018 χ^2/NDF:4358544.5/17

Out: 67.187+/-0.019 χ^2/NDF:3869914.3/20

All: 66.068+/-0.013 χ^2/NDF: 8235526.9/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

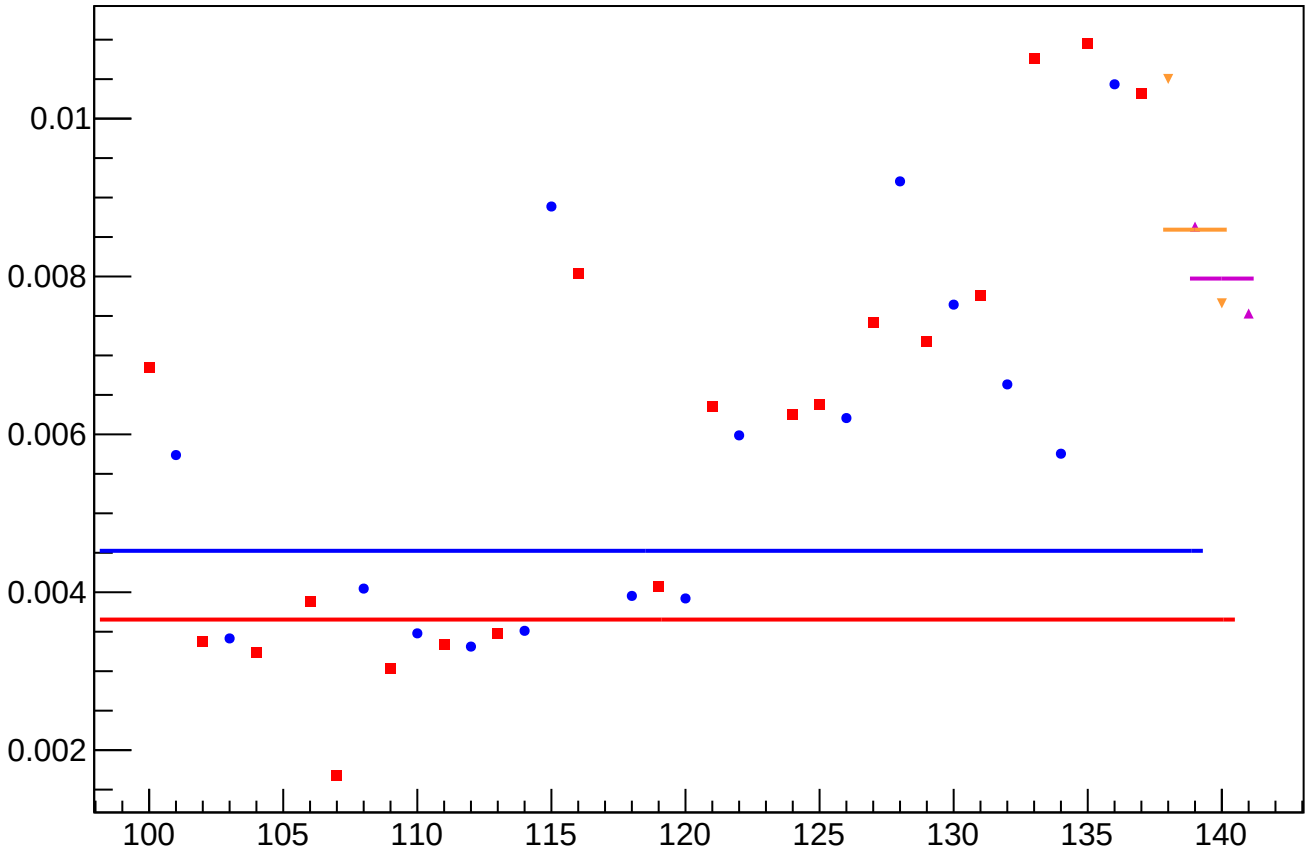
Left: 0.000+/-0.000 χ^2/NDF: 5.4/3

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:19.0/17

Out: -0.000+/-0.000 χ^2/NDF:18.5/20

All: 0.000+/-0.000 χ^2/NDF: 39.1/38



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:75574.7/1

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.008+/-0.000 χ^2/NDF:15089.3/1

Left: 0.008+/-0.000 χ^2/NDF: 99610.1/3

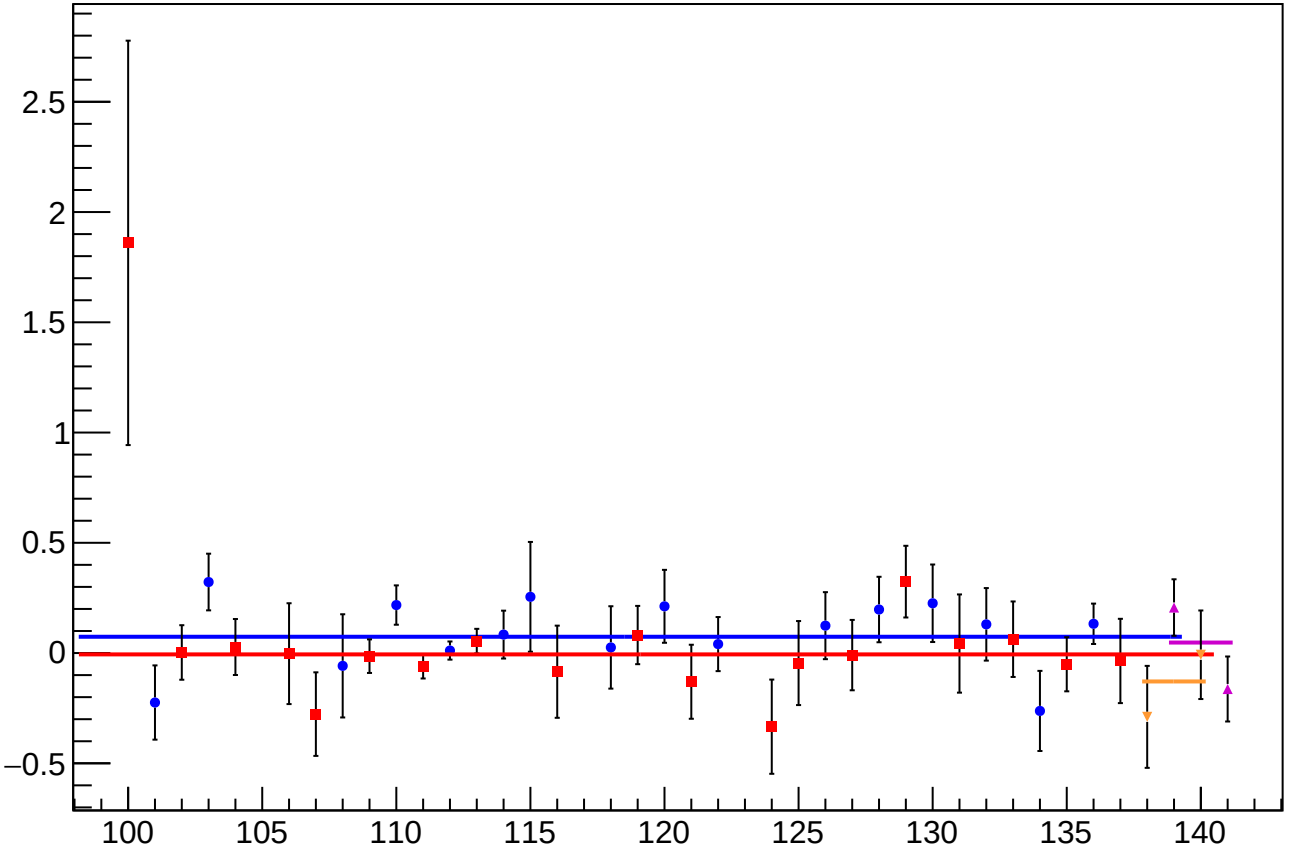
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.005+/-0.000 χ^2/NDF:2304247.3/17

Out: 0.004+/-0.000 χ^2/NDF:3996343.0/20

All: 0.004+/-0.000 χ^2/NDF: 6624999.9/38

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.129+/-0.152 χ^2/NDF:0.8/1

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.048+/-0.097 χ^2/NDF:3.6/1

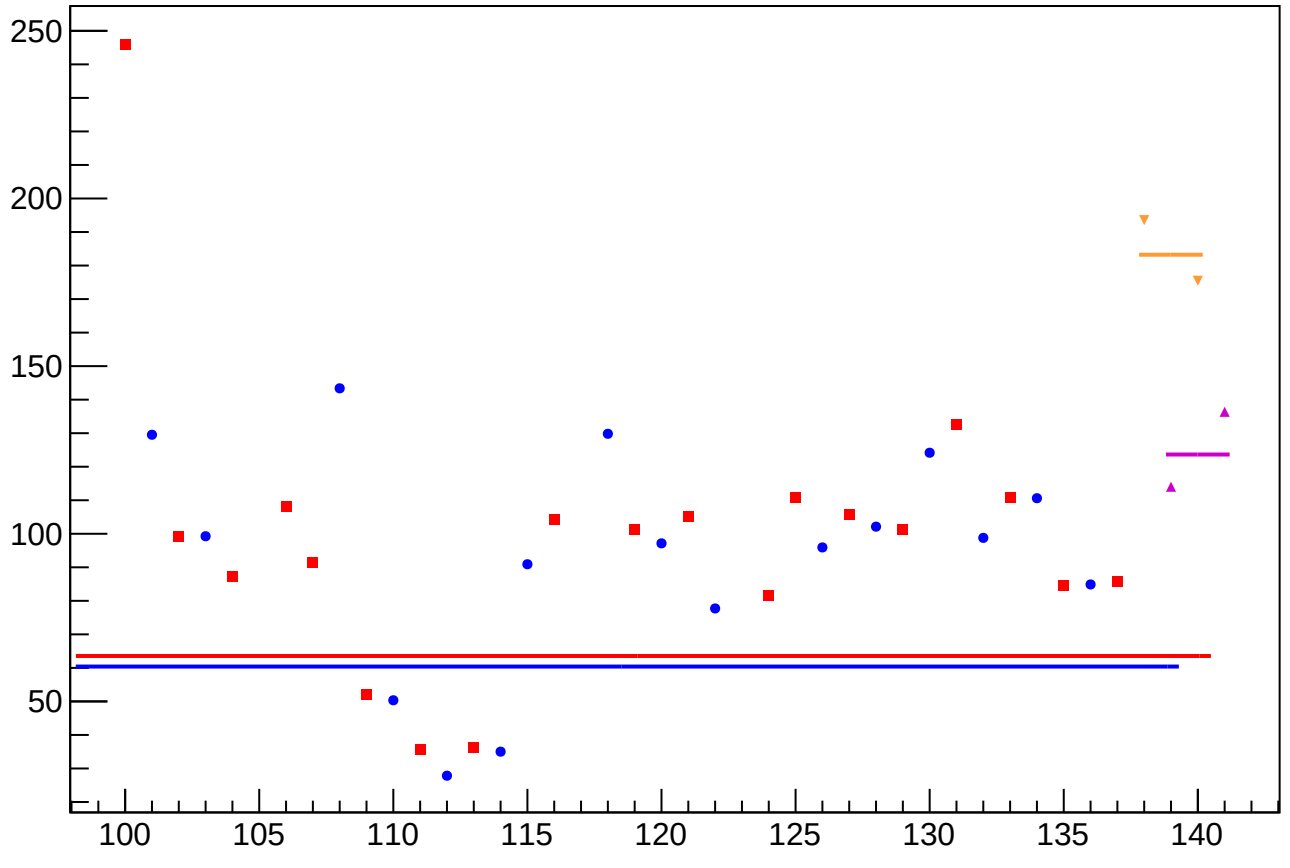
Left: -0.003+/-0.081 χ^2/NDF: 5.4/3

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.026 χ^2/NDF:22.6/17

Out: -0.010+/-0.026 χ^2/NDF:17.9/20

All: 0.032+/-0.019 χ^2/NDF: 45.4/38



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 183.231+/-0.107 χ^2/NDF:6974.1/1

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 123.641+/-0.068 χ^2/NDF:26203.6/1

Left: 140.861+/-0.058 χ^2/NDF: 252870.4/3

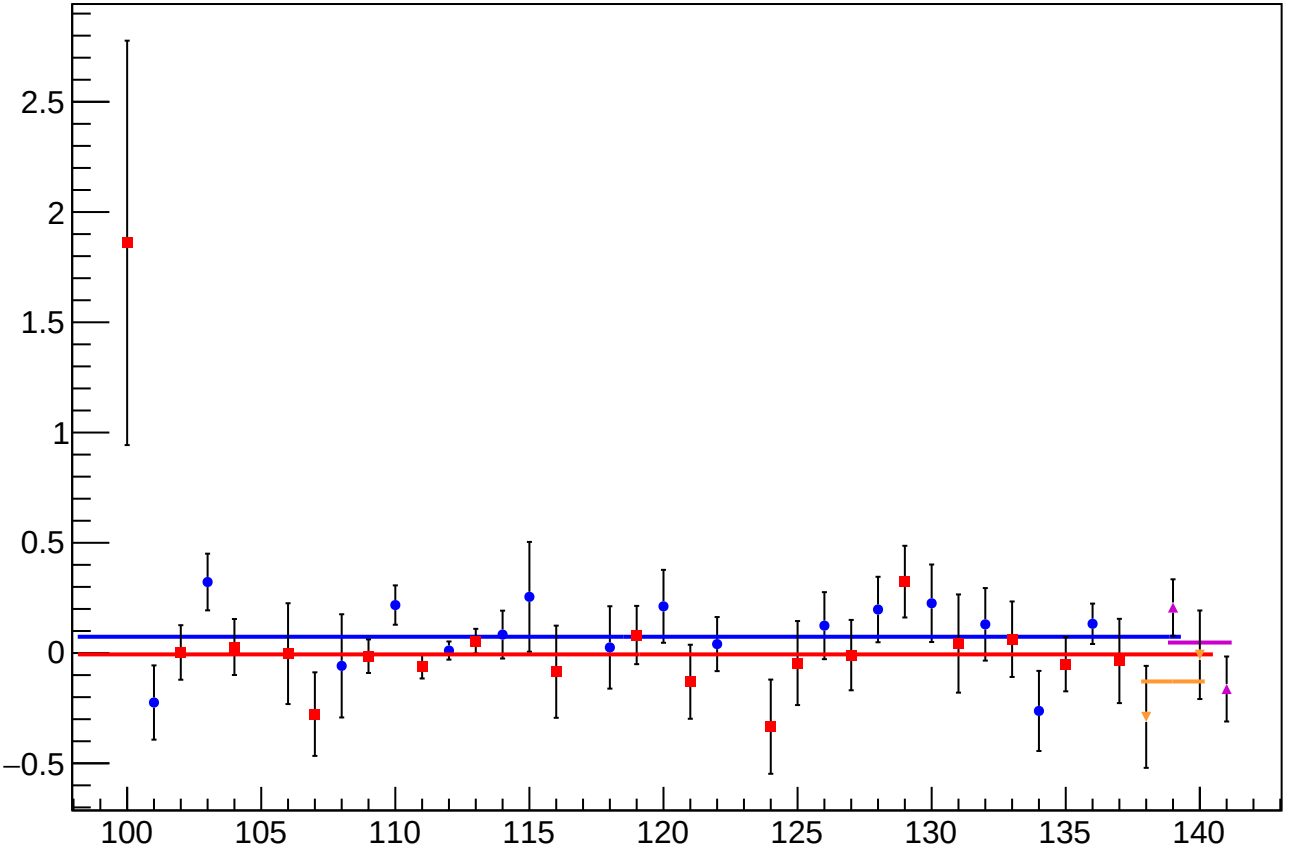
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 64.981+/-0.018 χ^2/NDF:4358855.6/17

Out: 67.185+/-0.019 χ^2/NDF:3870219.3/20

All: 66.066+/-0.013 χ^2/NDF: 8236144.9/38

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.129+/-0.152 χ^2/NDF:0.8/1

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.048+/-0.097 χ^2/NDF:3.6/1

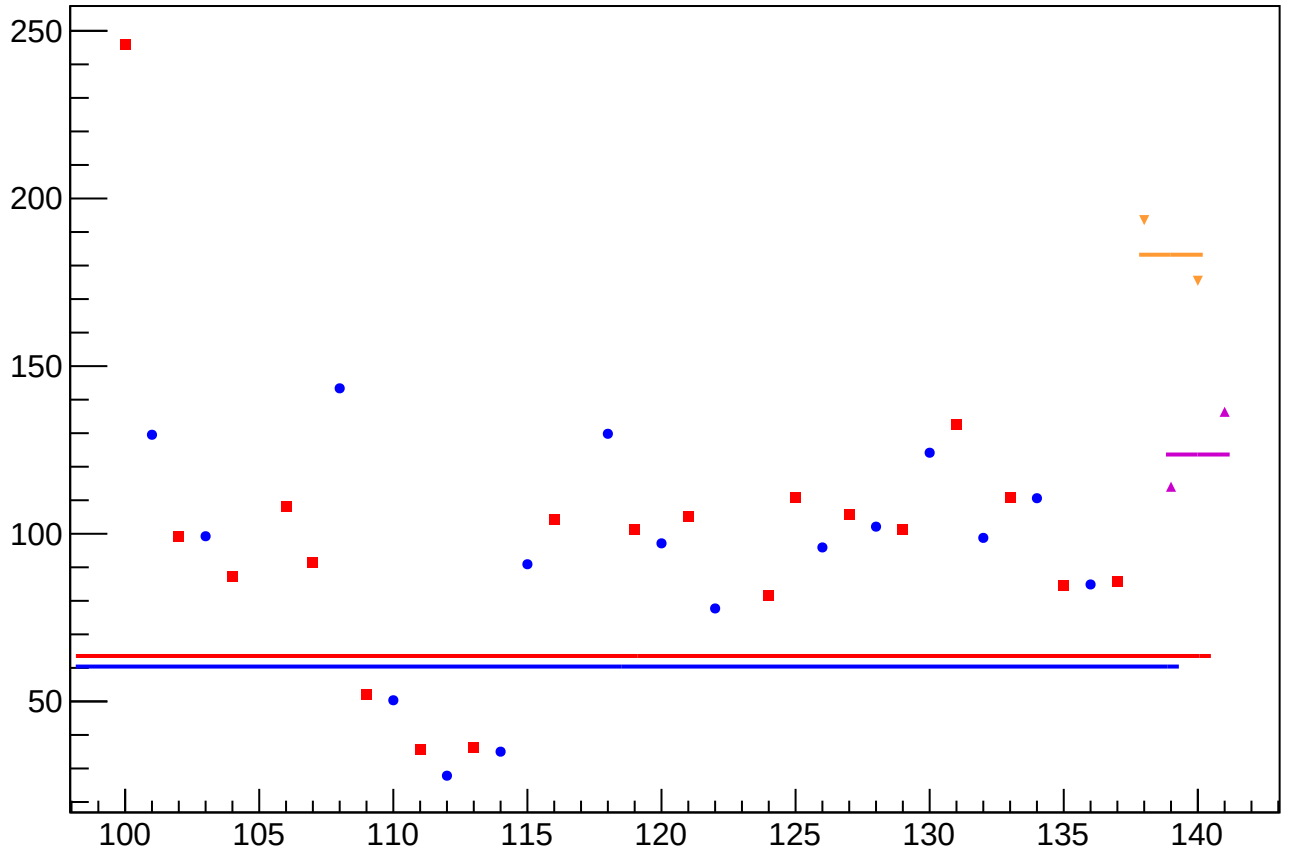
Left: -0.003+/-0.081 χ^2/NDF: 5.4/3

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.026 χ^2/NDF:22.6/17

Out: -0.010+/-0.026 χ^2/NDF:17.9/20

All: 0.032+/-0.019 χ^2/NDF: 45.4/38



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 183.231+/-0.107 χ^2/NDF:6974.1/1

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 123.641+/-0.068 χ^2/NDF:26203.6/1

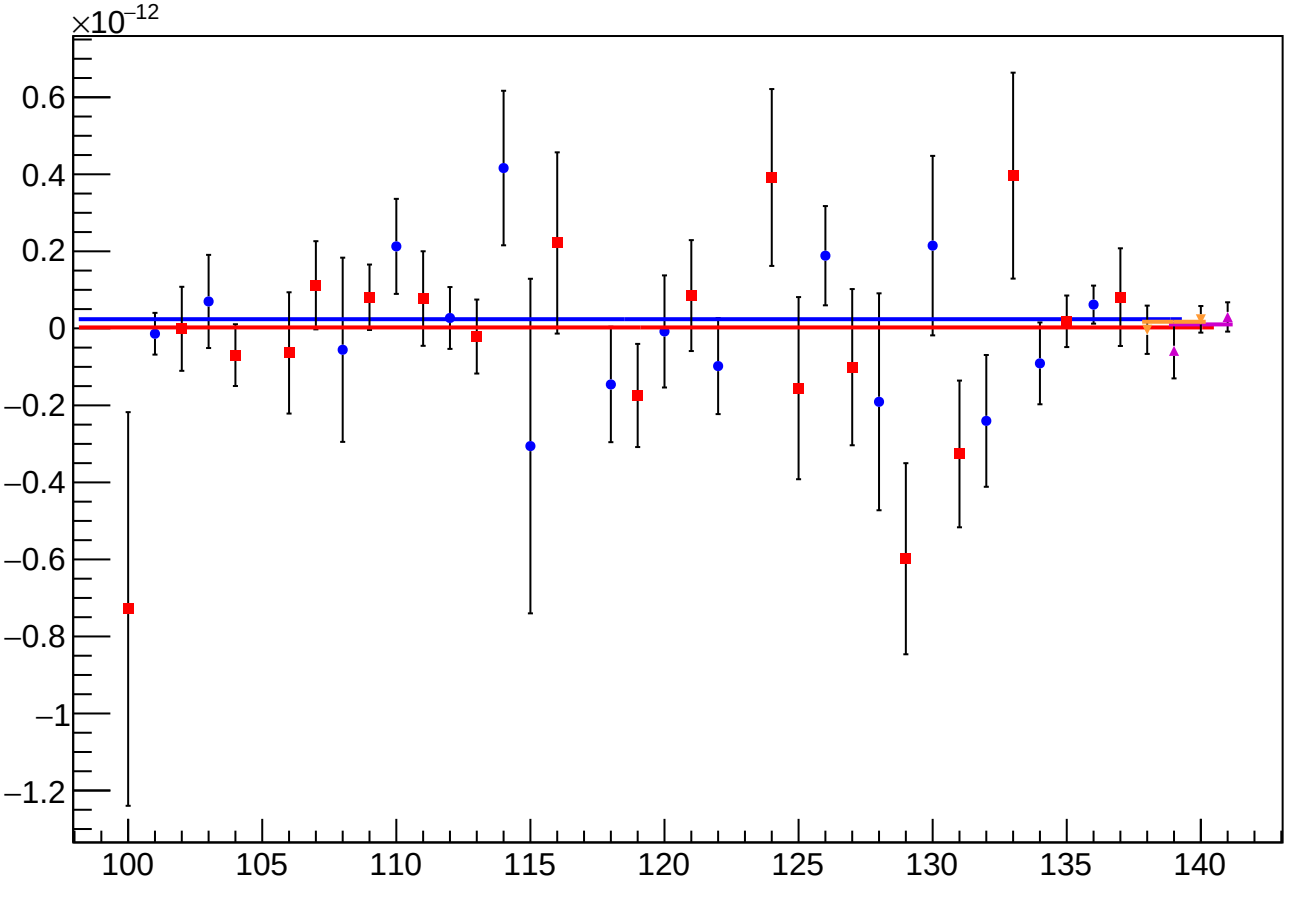
Left: 140.861+/-0.058 χ^2/NDF: 252870.4/3

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 64.981+/-0.018 χ^2/NDF:4358855.6/17

Out: 67.185+/-0.019 χ^2/NDF:3870219.3/20

All: 66.066+/-0.013 χ^2/NDF: 8236144.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

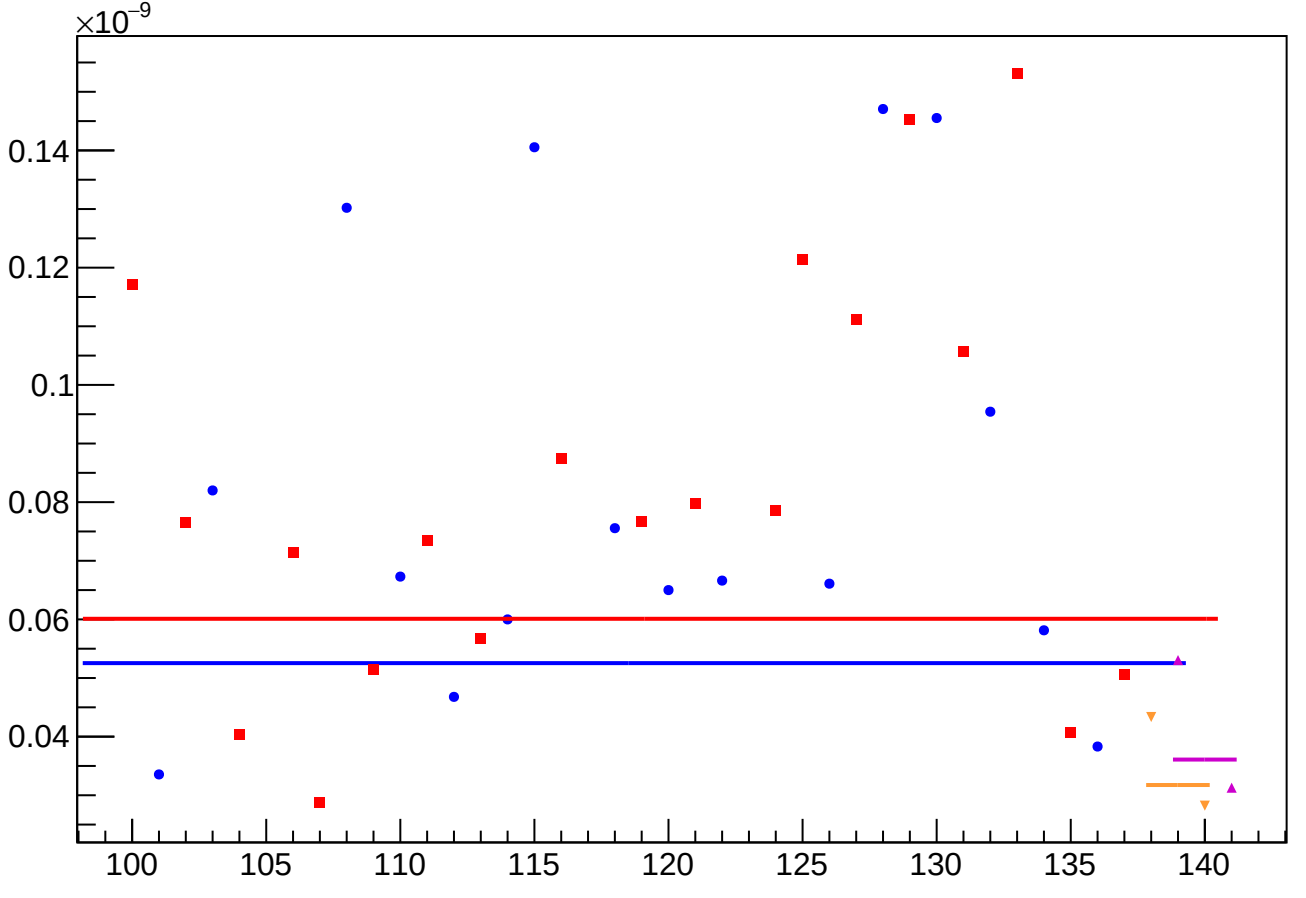
Left: 0.000+/-0.000 χ^2/NDF: 1.3/3

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:18.1/17

Out: 0.000+/-0.000 χ^2/NDF:23.5/20

All: 0.000+/-0.000 χ^2/NDF: 41.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:89263.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:144136.7/1

Left: 0.000+/-0.000 χ^2/NDF: 251845.9/3

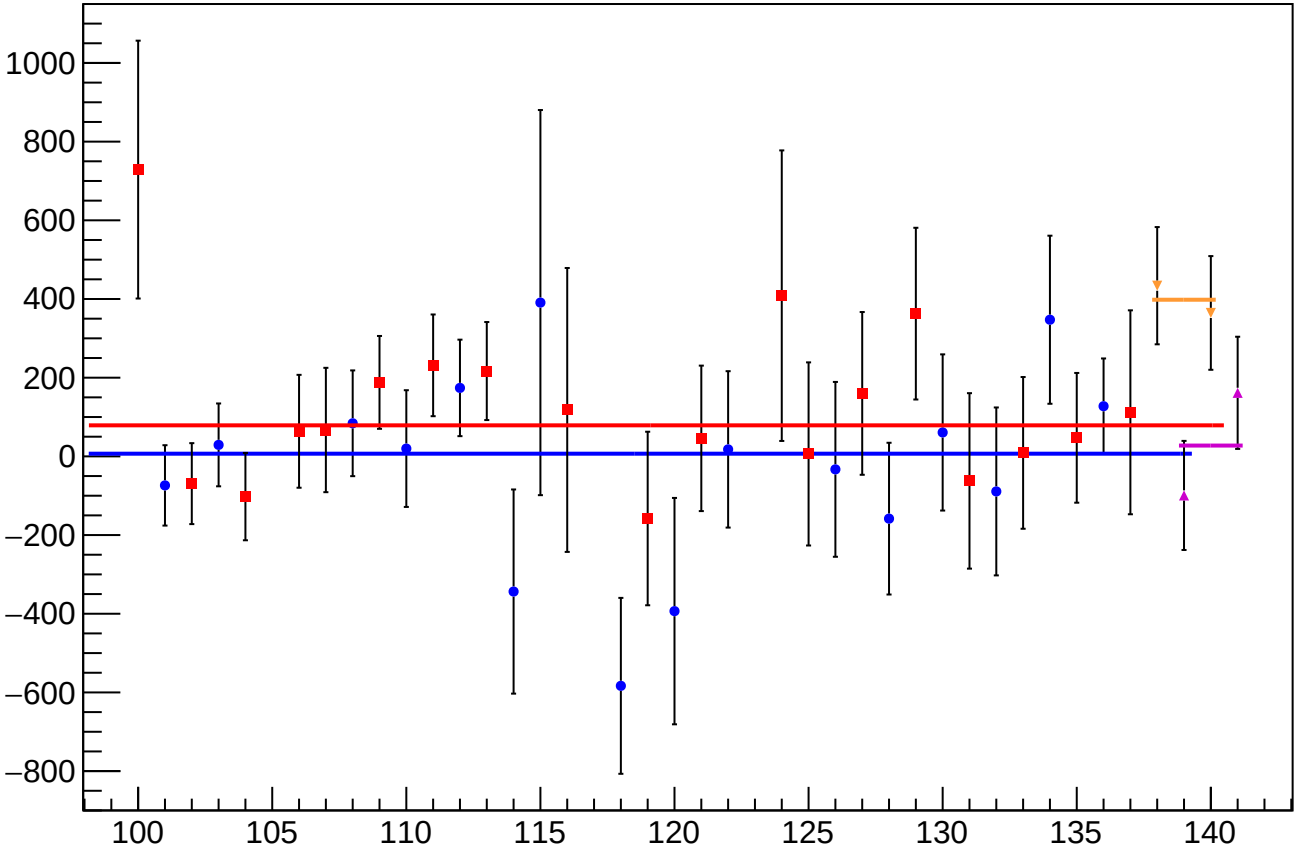
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:2091468.6/17

Out: 0.000+/-0.000 χ^2/NDF:2548084.1/20

All: 0.000+/-0.000 χ^2/NDF: 4639714.8/38

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 398.134+/-103.728 χ^2/NDF:0.1/1

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 27.474+/-99.392 χ^2/NDF:1.7/1

Left: 204.896+/-71.765 χ^2/NDF: 8.5/3

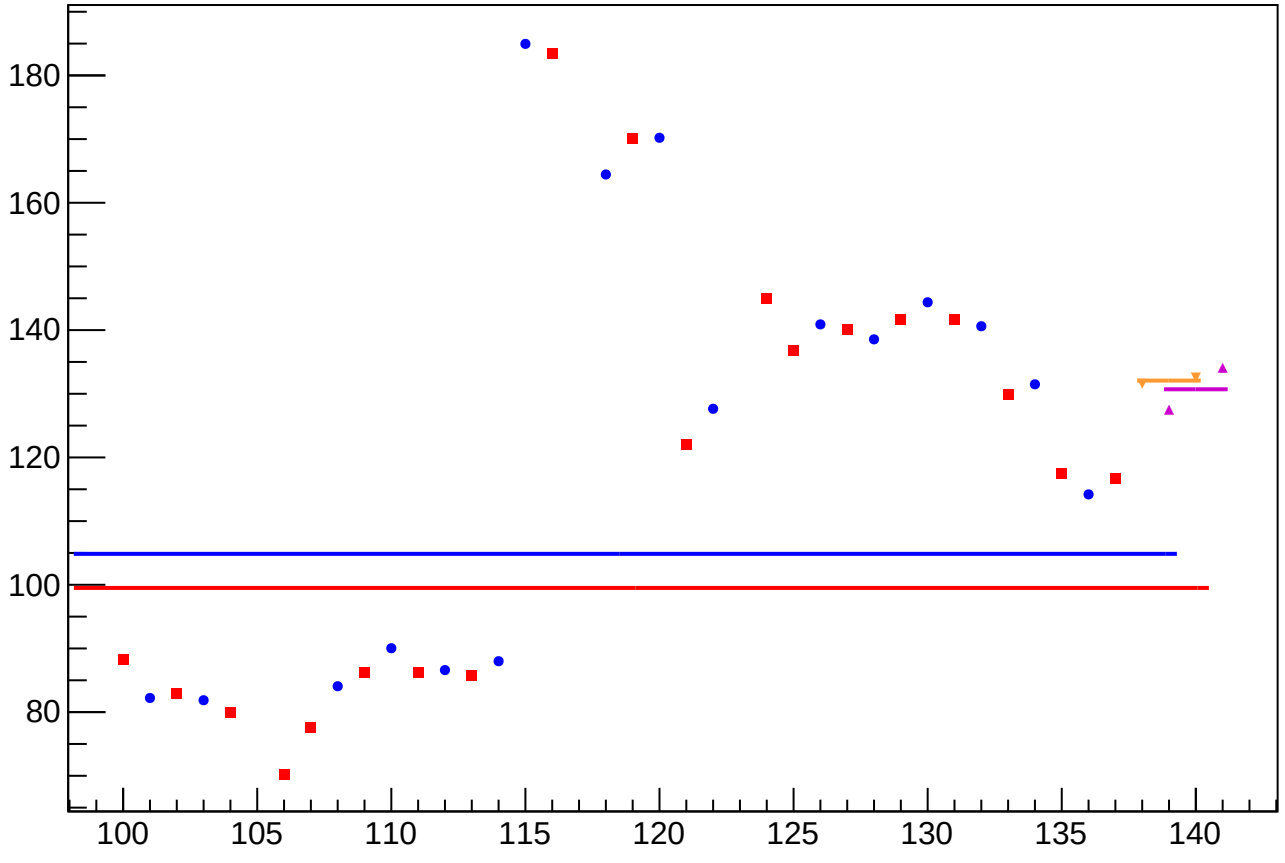
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 9.735+/-37.389 χ^2/NDF:20.5/17

Out: 116.494+/-35.603 χ^2/NDF:25.2/20

All: 65.725+/-25.783 χ^2/NDF: 50.0/38

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 132.071+/-0.073 χ^2/NDF:45.6/1

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 130.704+/-0.070 χ^2/NDF:2193.9/1

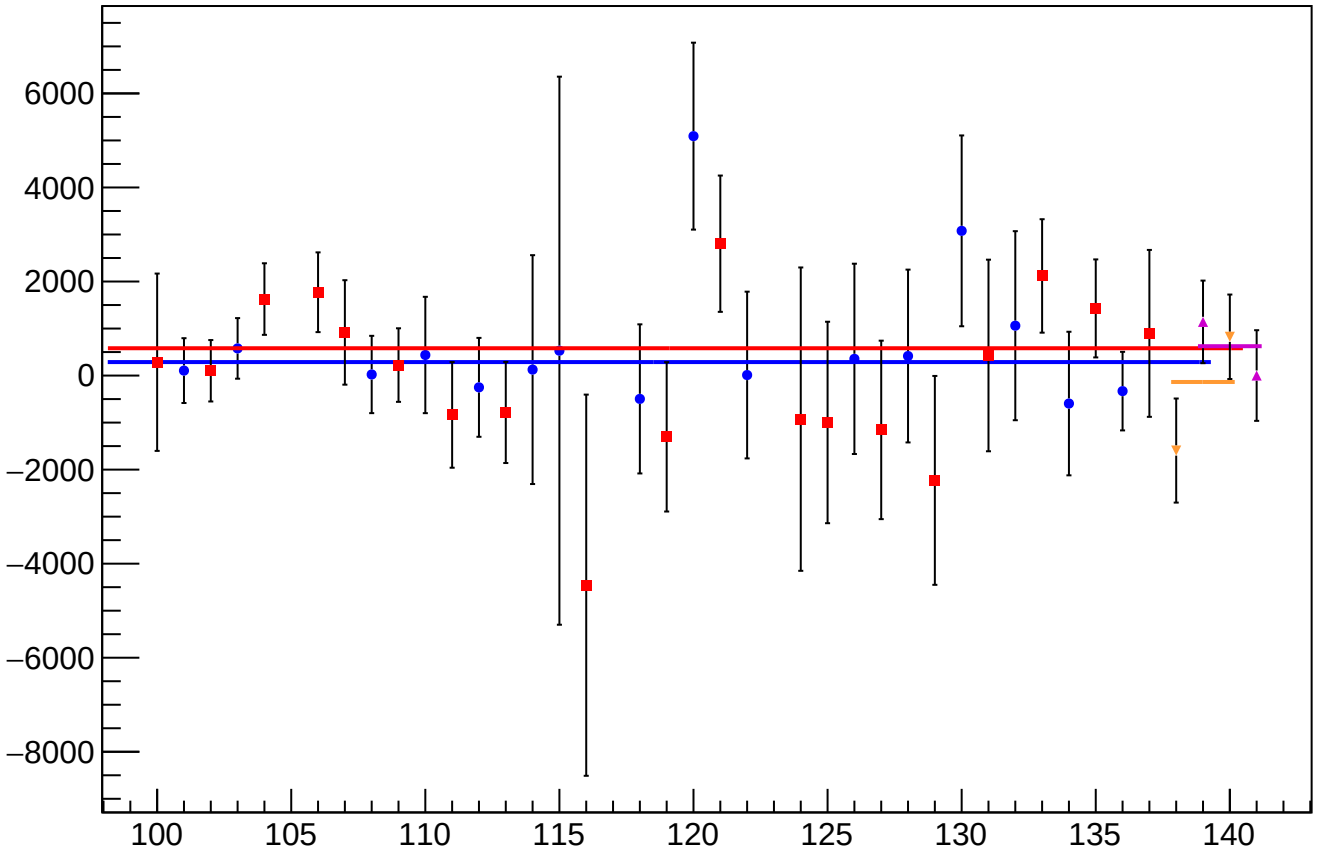
Left: 131.358+/-0.051 χ^2/NDF: 2420.4/3

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 108.517+/-0.026 χ^2/NDF:1049512.8/17

Out: 103.344+/-0.025 χ^2/NDF:1212961.5/20

All: 105.804+/-0.018 χ^2/NDF: 2282552.9/38



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -136.255+/-697.454 χ^2/NDF:2.9/1

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 624.614+/-648.930 χ^2/NDF:0.8/1

Left: 271.565+/-475.092 χ^2/NDF: 4.3/3

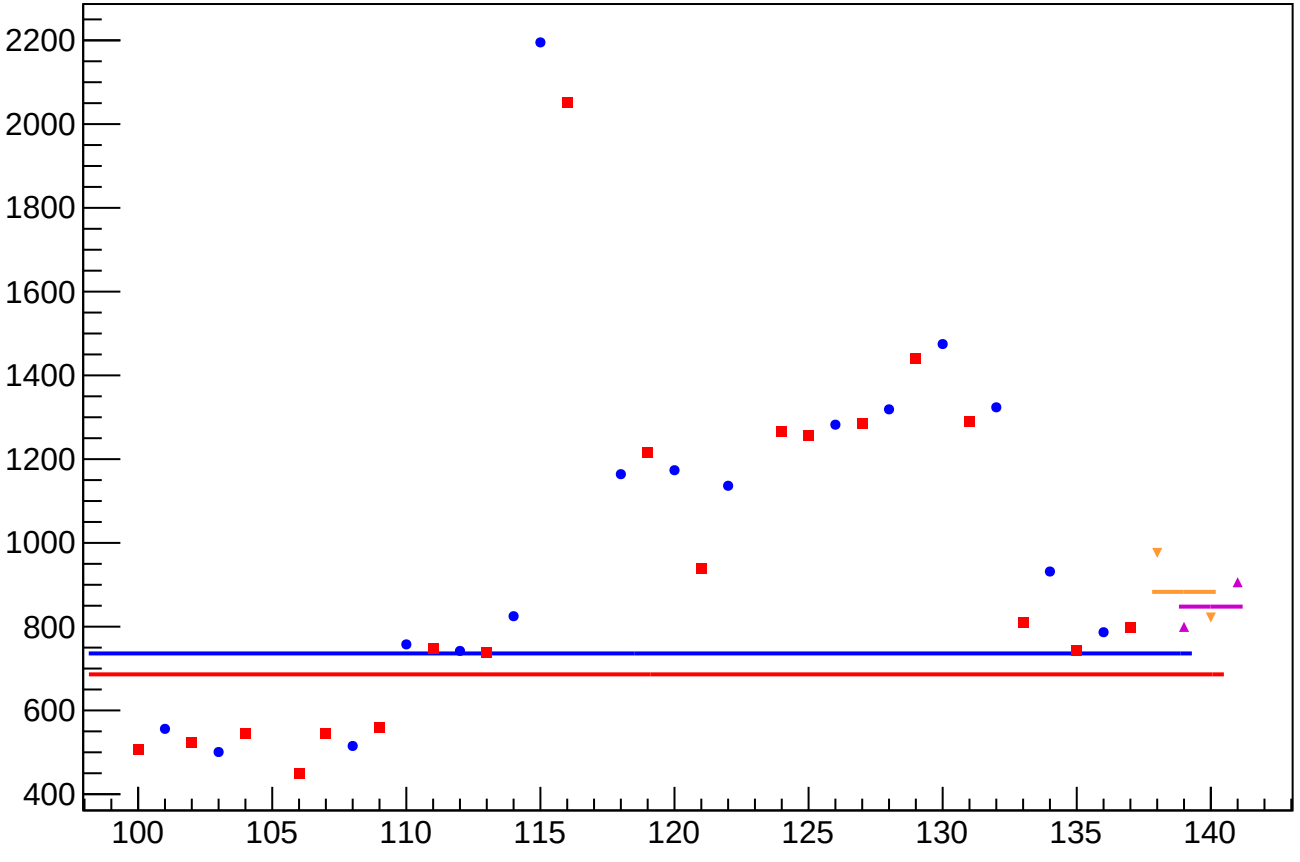
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 344.255+/-267.400 χ^2/NDF:10.7/17

Out: 487.843+/-251.609 χ^2/NDF:22.6/20

All: 420.414+/-183.243 χ^2/NDF: 33.4/38

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 883.095+/-0.493 χ^2/NDF:23411.5/1

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 847.872+/-0.459 χ^2/NDF:13382.1/1

Left: 864.216+/-0.336 χ^2/NDF: 39527.7/3

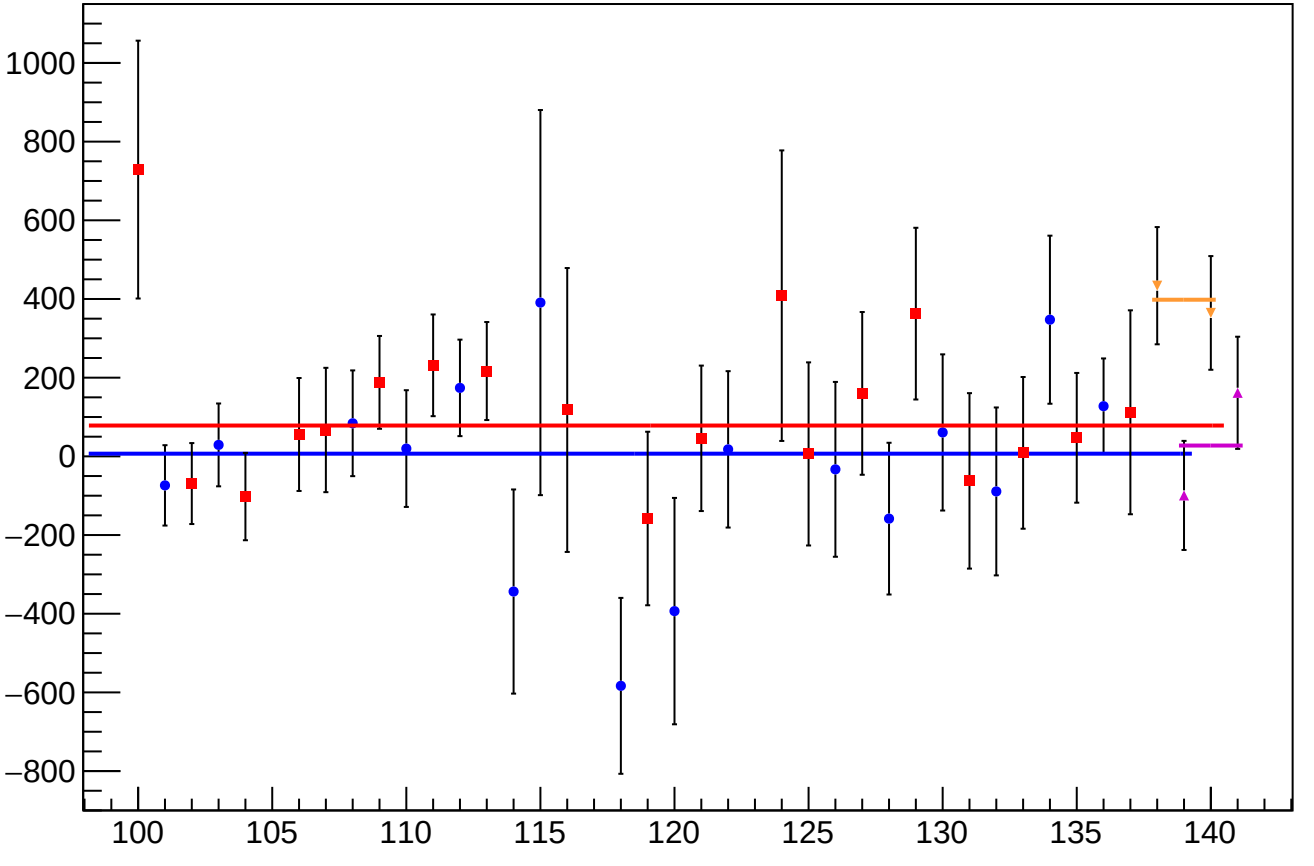
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 755.065+/-0.189 χ^2/NDF:1907151.0/17

Out: 711.745+/-0.178 χ^2/NDF:1981366.0/20

All: 732.088+/-0.130 χ^2/NDF: 3916358.5/38

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 398.130+/-103.728 χ^2/NDF:0.1/1

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 27.484+/-99.392 χ^2/NDF:1.7/1

Left: 204.899+/-71.765 χ^2/NDF: 8.5/3

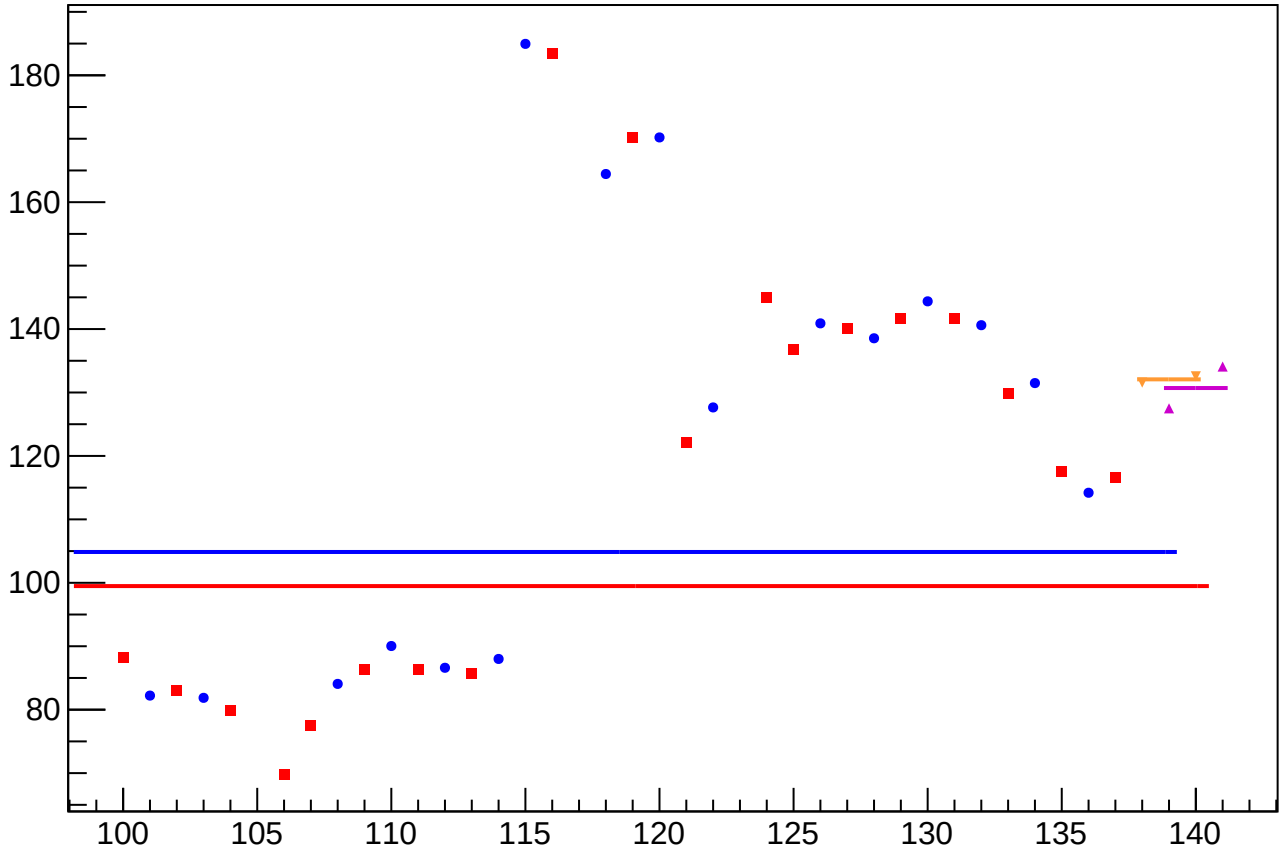
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 9.726+/-37.389 χ^2/NDF:20.5/17

Out: 116.026+/-35.605 χ^2/NDF:25.2/20

All: 65.472+/-25.784 χ^2/NDF: 50.0/38

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 132.071+/-0.073 χ^2/NDF:45.6/1

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 130.704+/-0.070 χ^2/NDF:2193.9/1

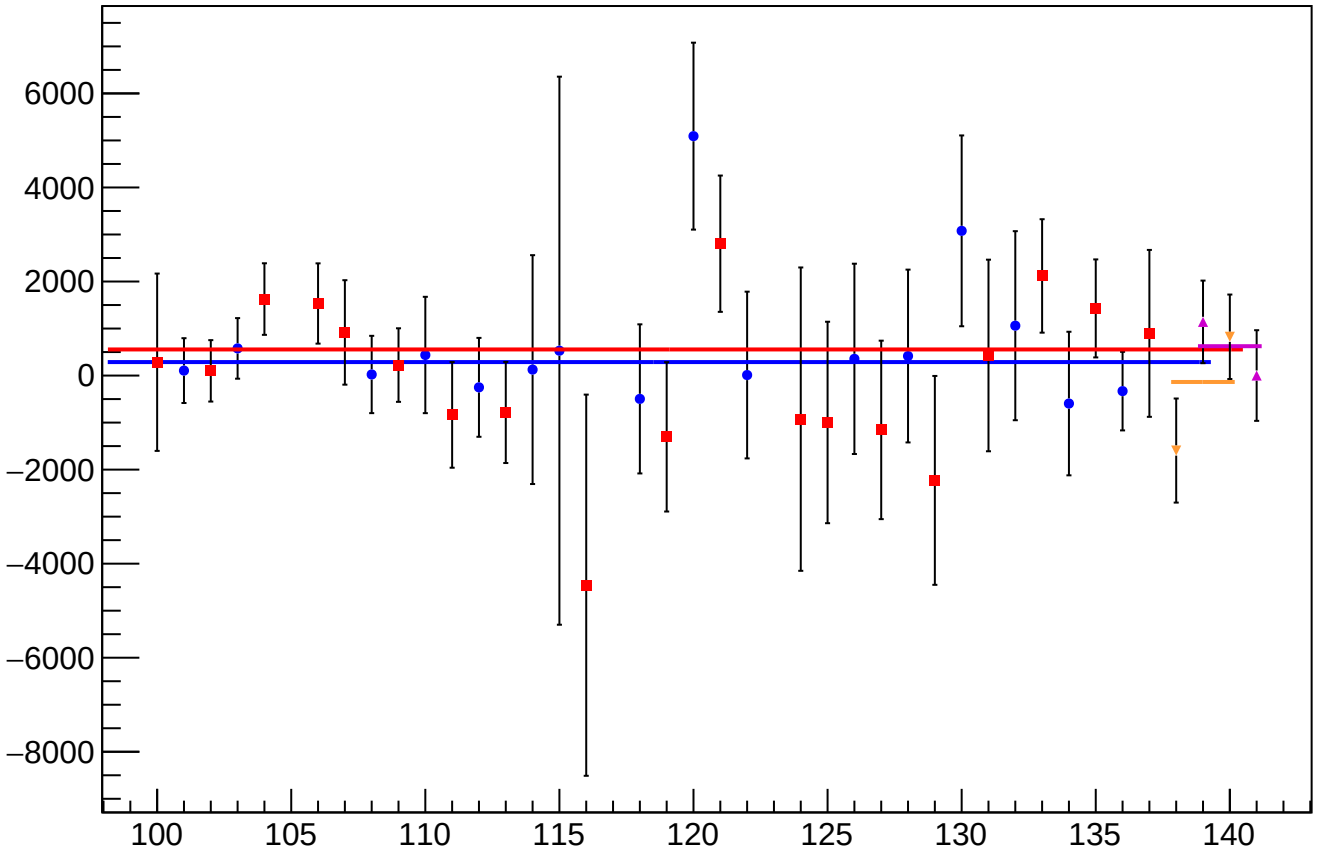
Left: 131.358+/-0.051 χ^2/NDF: 2420.4/3

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 108.517+/-0.026 χ^2/NDF:1049511.9/17

Out: 103.323+/-0.025 χ^2/NDF:1215400.7/20

All: 105.793+/-0.018 χ^2/NDF: 2285150.3/38



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -136.247+/-697.454 χ^2/NDF:2.9/1

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 624.609+/-648.930 χ^2/NDF:0.8/1

Left: 271.567+/-475.092 χ^2/NDF: 4.3/3

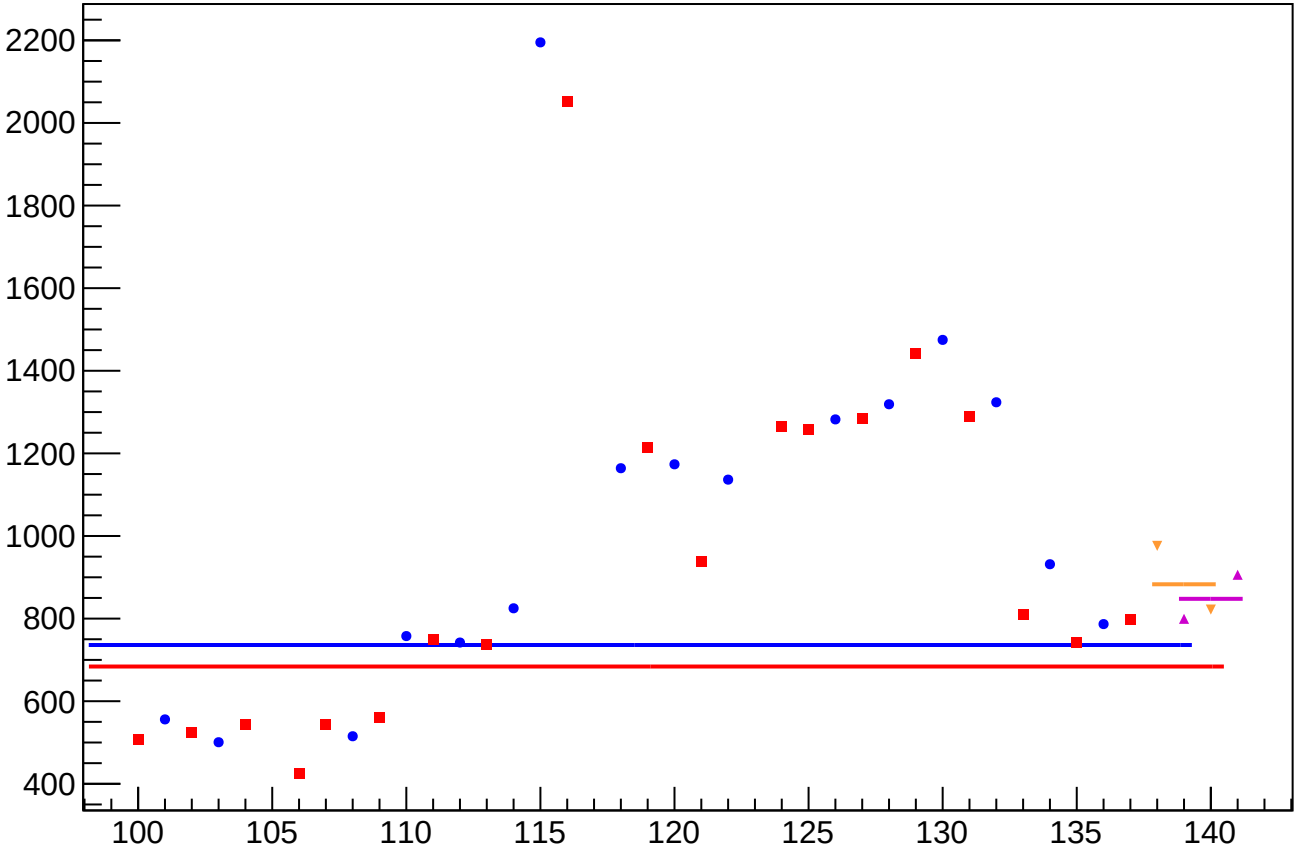
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 344.256+/-267.400 χ^2/NDF:10.7/17

Out: 465.315+/-251.753 χ^2/NDF:21.8/20

All: 408.431+/-183.298 χ^2/NDF: 32.6/38

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 883.095+/-0.493 χ^2/NDF:23411.7/1

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 847.872+/-0.459 χ^2/NDF:13382.2/1

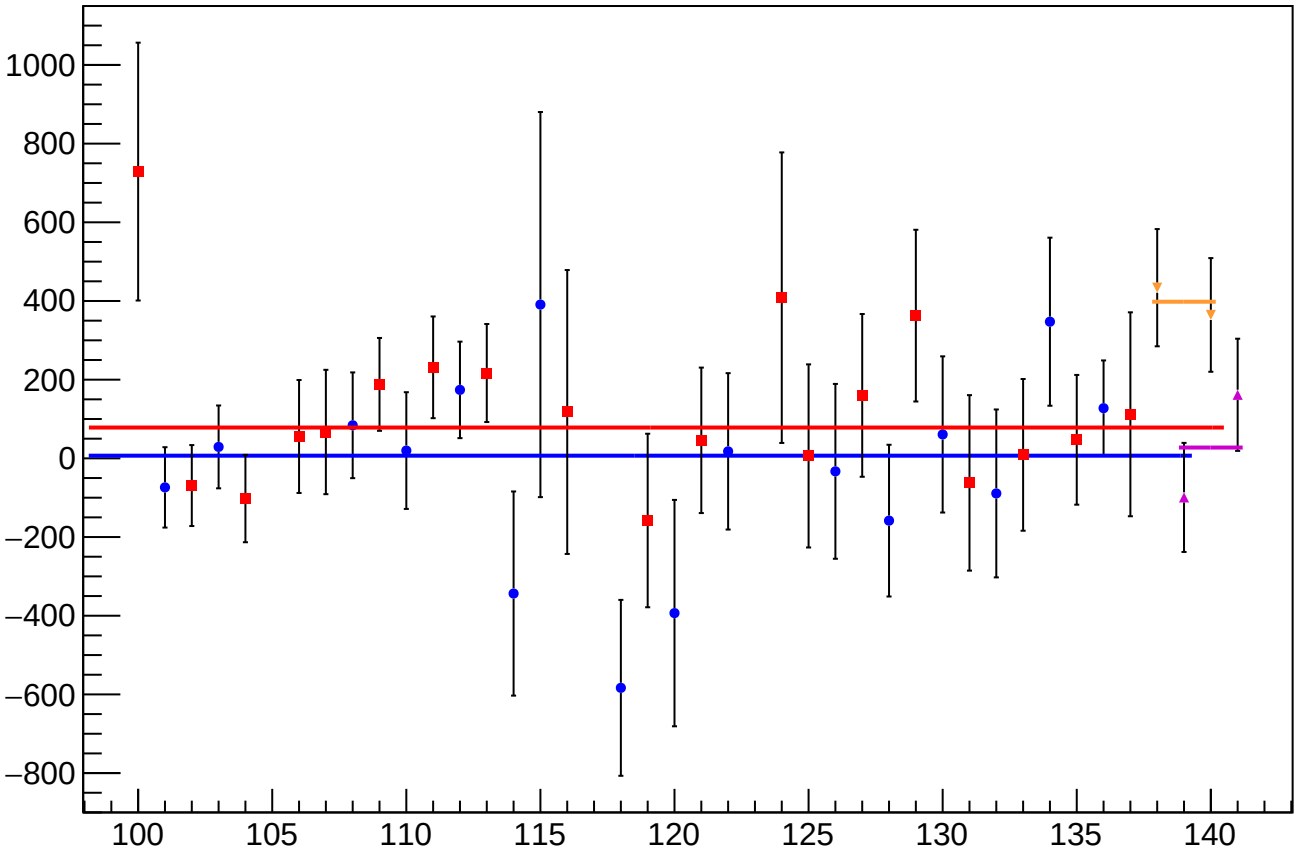
Left: 864.216+/-0.336 χ^2/NDF: 39528.0/3

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 755.064+/-0.189 χ^2/NDF:1907153.6/17

Out: 709.924+/-0.178 χ^2/NDF:2015582.2/20

All: 731.135+/-0.130 χ^2/NDF: 3952950.1/38



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 398.130+/-103.728 χ^2/NDF:0.1/1

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 27.484+/-99.392 χ^2/NDF:1.7/1

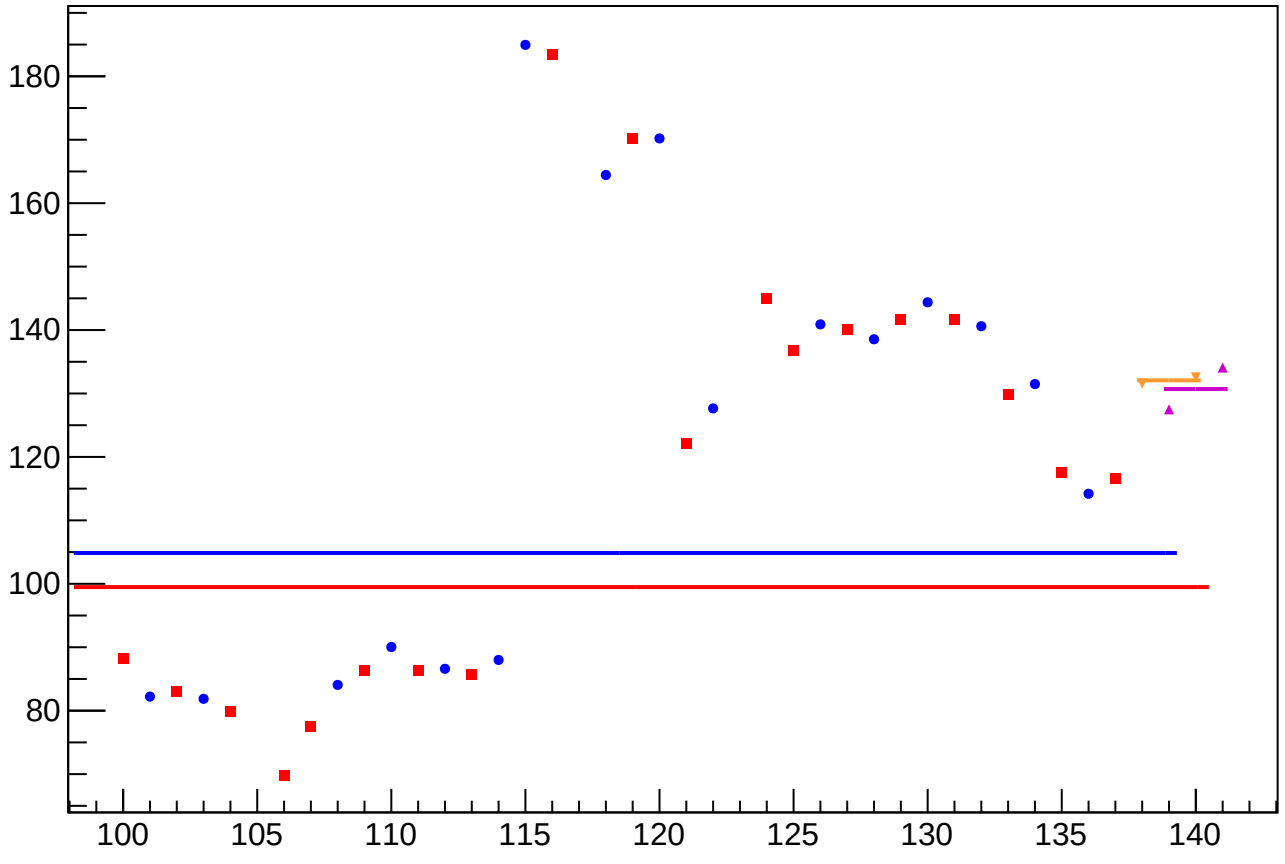
Left: 204.899+/-71.765 χ^2/NDF: 8.5/3

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 9.726+/-37.389 χ^2/NDF:20.5/17

Out: 116.026+/-35.605 χ^2/NDF:25.2/20

All: 65.472+/-25.784 χ^2/NDF: 50.0/38



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 132.071+/-0.073 χ^2/NDF:45.6/1

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 130.704+/-0.070 χ^2/NDF:2193.9/1

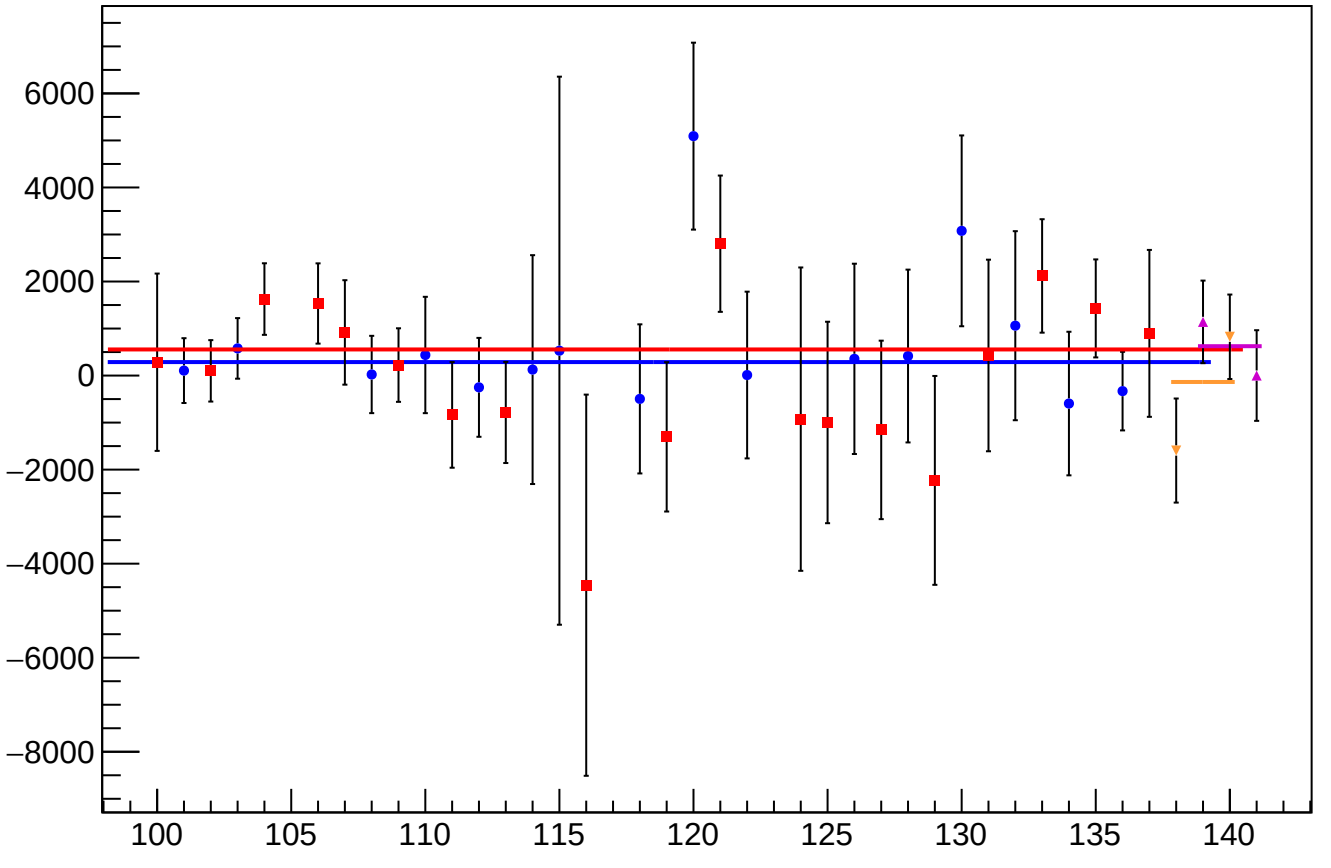
Left: 131.358+/-0.051 χ^2/NDF: 2420.4/3

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 108.517+/-0.026 χ^2/NDF:1049511.9/17

Out: 103.323+/-0.025 χ^2/NDF:1215400.7/20

All: 105.793+/-0.018 χ^2/NDF: 2285150.3/38



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -136.247+/-697.454 χ^2/NDF:2.9/1

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 624.609+/-648.930 χ^2/NDF:0.8/1

Left: 271.567+/-475.092 χ^2/NDF: 4.3/3

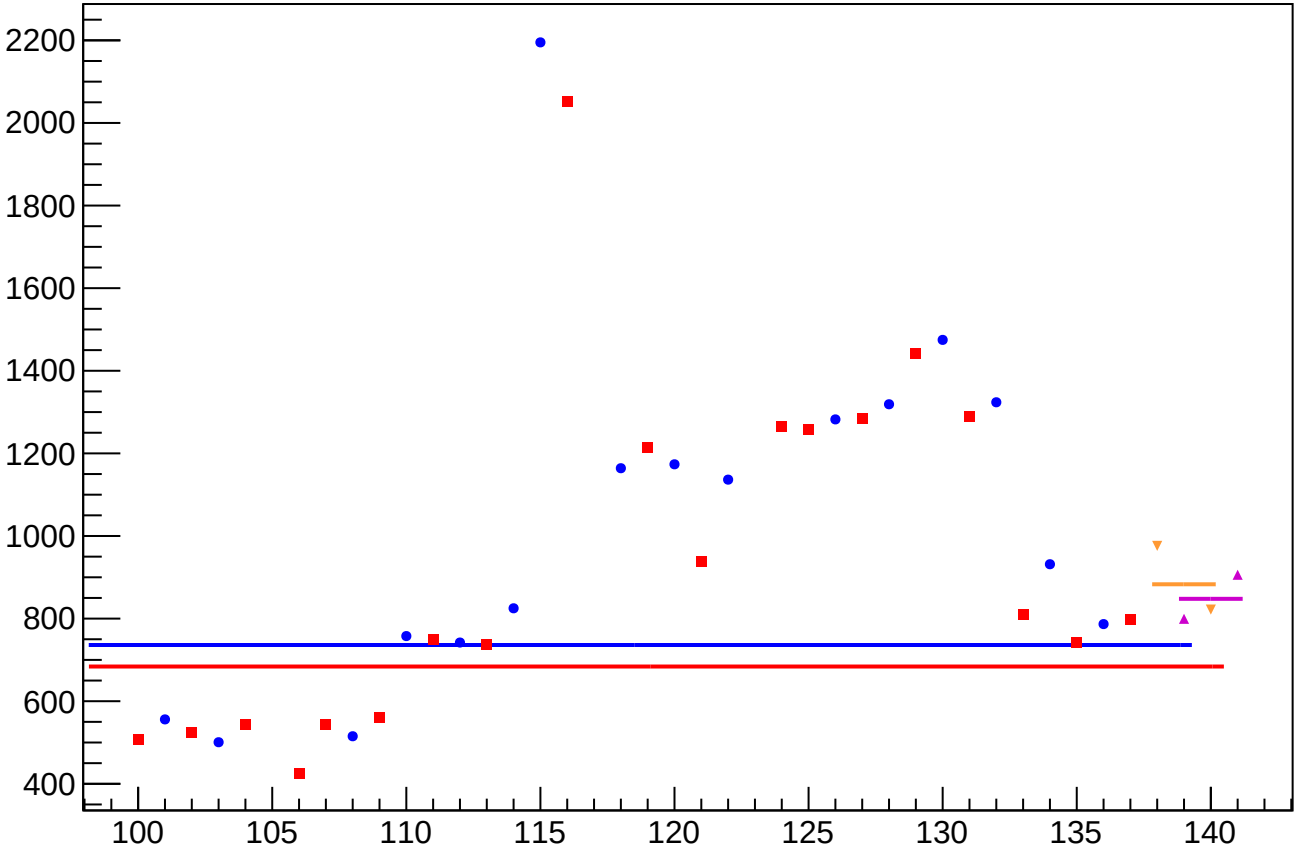
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 344.256+/-267.400 χ^2/NDF:10.7/17

Out: 465.315+/-251.753 χ^2/NDF:21.8/20

All: 408.431+/-183.298 χ^2/NDF: 32.6/38

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 883.095+/-0.493 χ^2/NDF:23411.7/1

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 847.872+/-0.459 χ^2/NDF:13382.2/1

Left: 864.216+/-0.336 χ^2/NDF: 39528.0/3

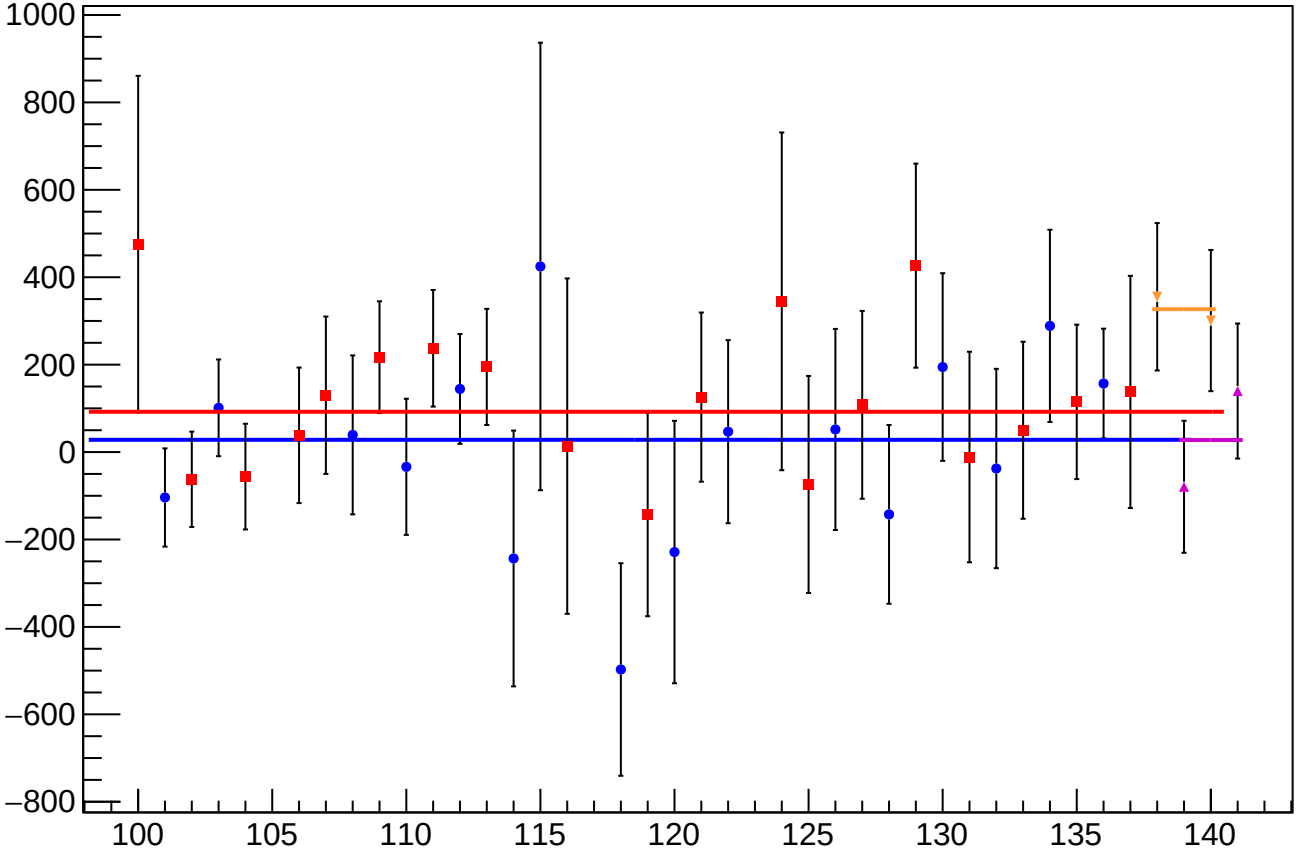
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 755.064+/-0.189 χ^2/NDF:1907153.6/17

Out: 709.924+/-0.178 χ^2/NDF:2015582.2/20

All: 731.135+/-0.130 χ^2/NDF: 3952950.1/38

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 326.925+/-116.645 χ^2/NDF:0.1/1

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 27.614+/-107.957 χ^2/NDF:1.0/1

Left: 165.709+/-79.231 χ^2/NDF: 4.6/3

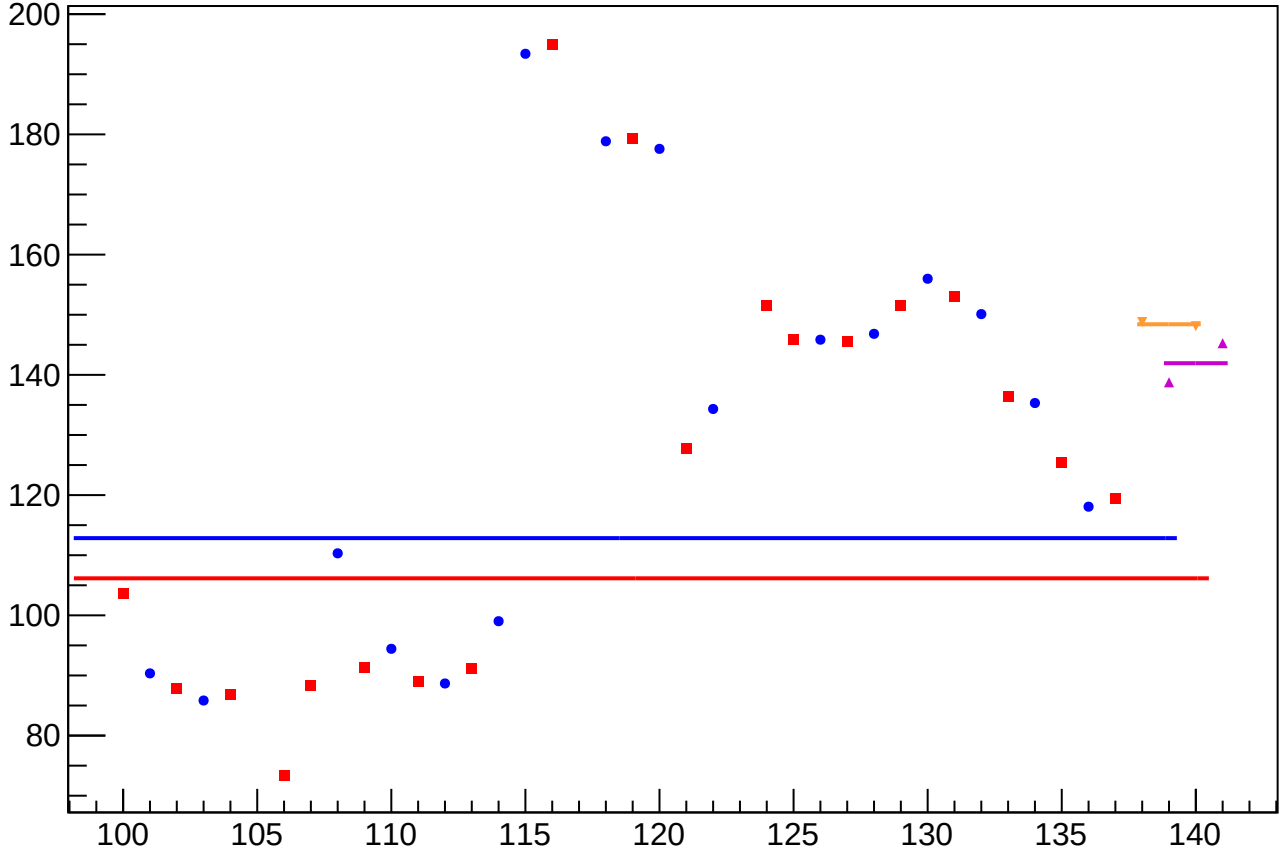
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 28.027+/-40.299 χ^2/NDF:14.6/17

Out: 117.538+/-38.292 χ^2/NDF:15.4/20

All: 75.066+/-27.759 χ^2/NDF: 32.5/38

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 148.416+/-0.082 χ^2/NDF:17.8/1

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 141.942+/-0.076 χ^2/NDF:1812.5/1

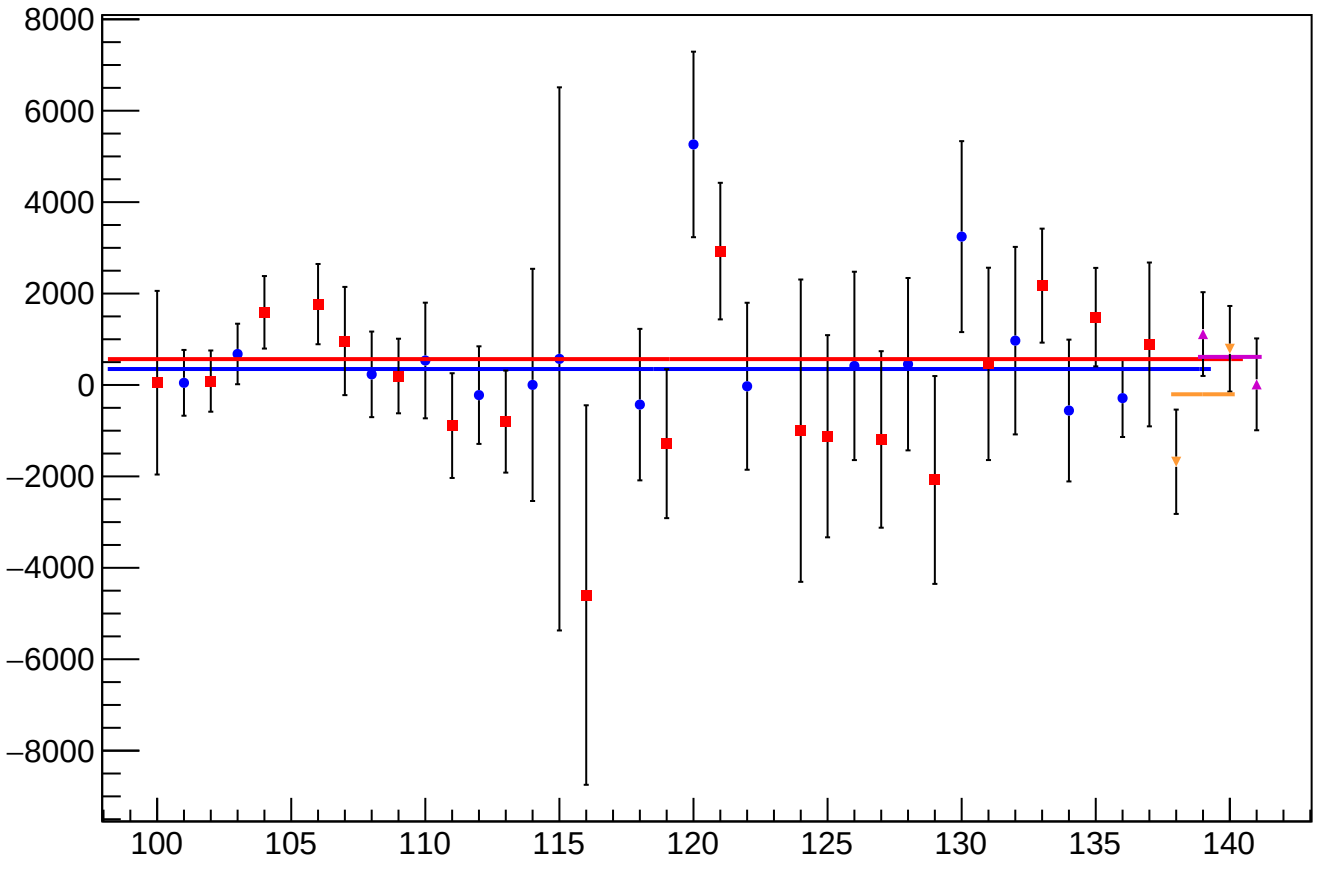
Left: 144.929+/-0.056 χ^2/NDF: 5148.5/3

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 116.897+/-0.028 χ^2/NDF:999101.5/17

Out: 110.713+/-0.027 χ^2/NDF:1236361.3/20

All: 113.647+/-0.020 χ^2/NDF: 2260219.3/38



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -203.439+/-724.117 χ^2/NDF:2.8/1

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 614.326+/-677.049 χ^2/NDF:0.7/1

Left: 232.883+/-494.549 χ^2/NDF: 4.1/3

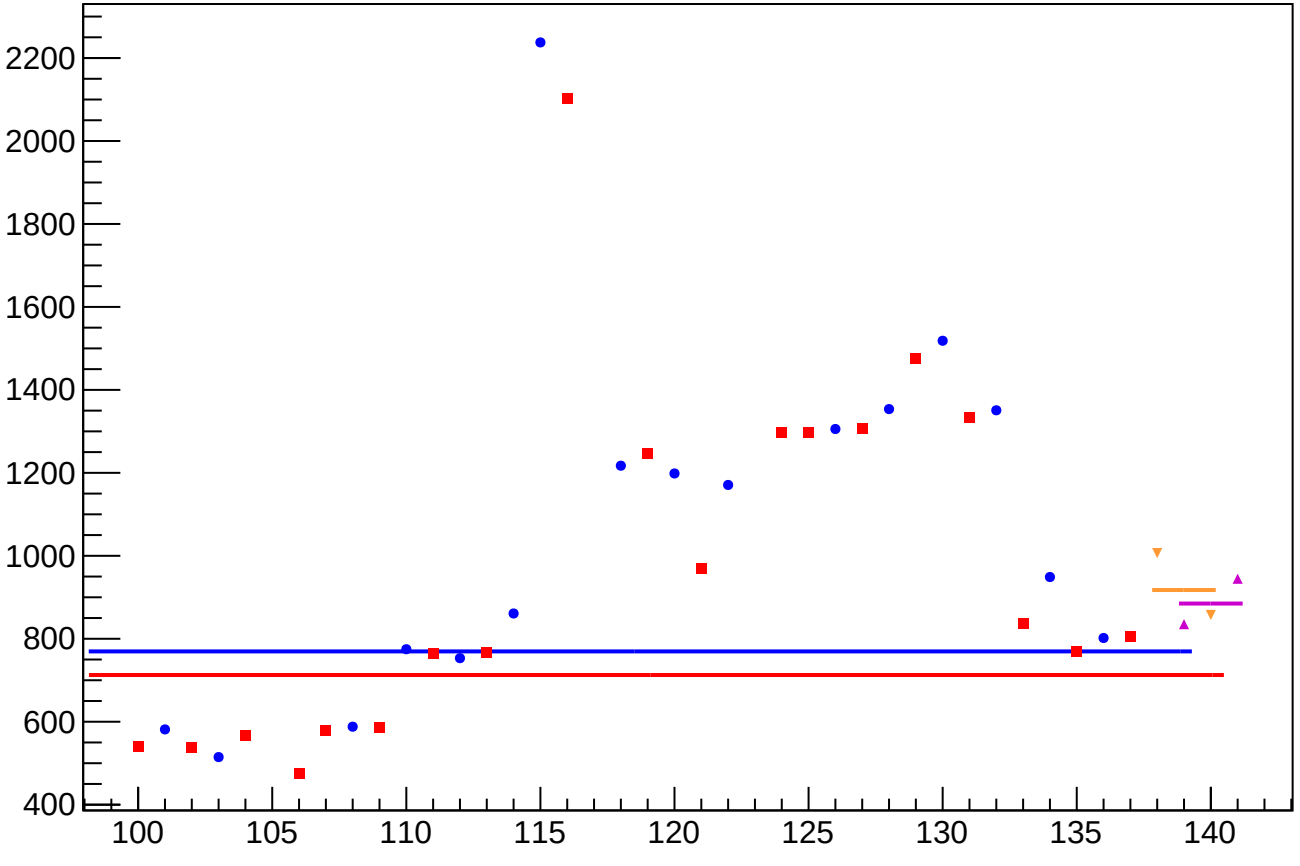
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 393.934+/-278.334 χ^2/NDF:10.6/17

Out: 466.426+/-260.522 χ^2/NDF:22.1/20

All: 432.574+/-190.202 χ^2/NDF: 32.7/38

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 917.521+/-0.512 χ^2/NDF:20413.4/1

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 884.916+/-0.479 χ^2/NDF:12971.3/1

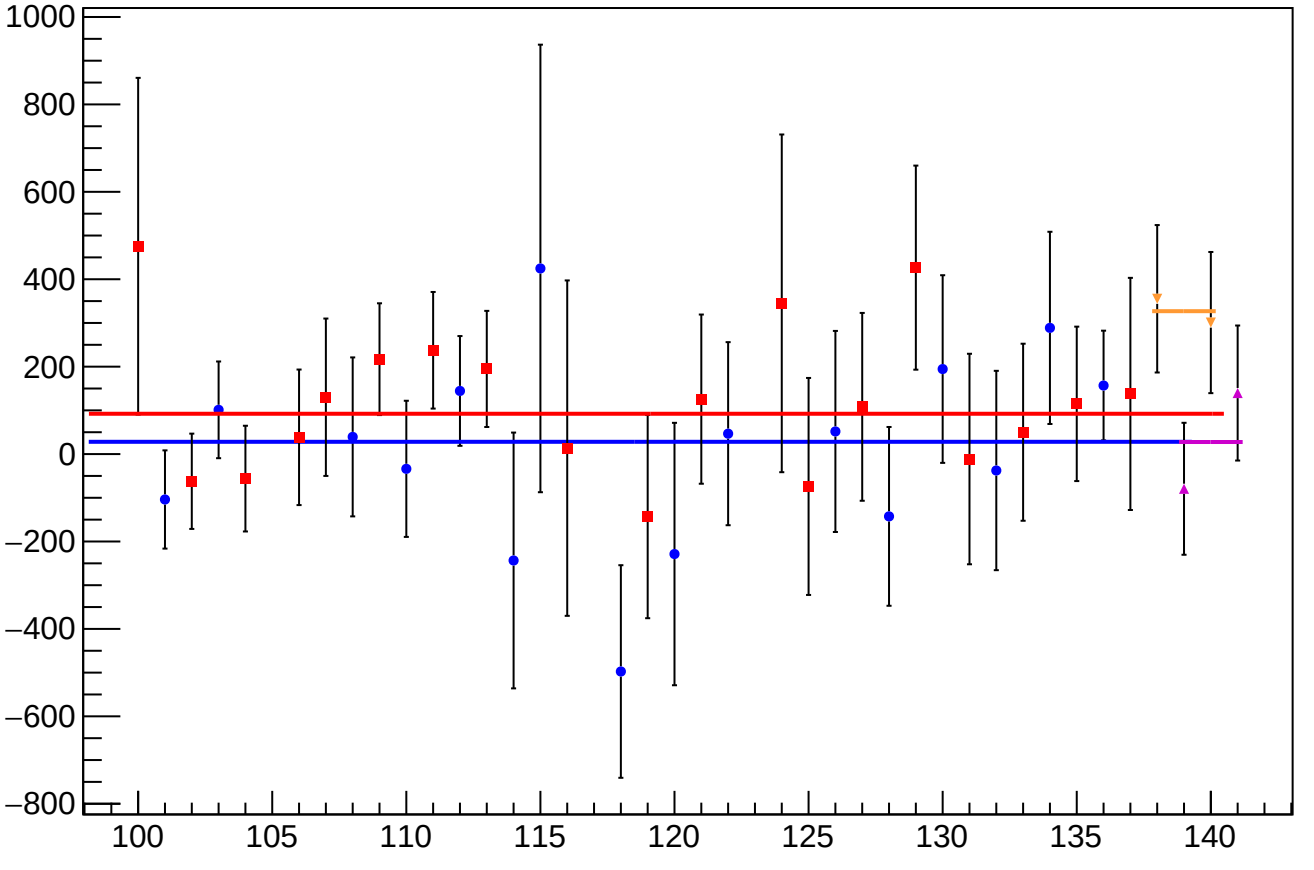
Left: 900.125+/-0.350 χ^2/NDF: 35548.1/3

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 789.053+/-0.197 χ^2/NDF:1801158.2/17

Out: 739.150+/-0.184 χ^2/NDF:1927039.7/20

All: 762.454+/-0.134 χ^2/NDF: 3762467.1/38



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 326.924+/-116.645 χ^2/NDF:0.1/1

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 27.616+/-107.957 χ^2/NDF:1.0/1

Left: 165.709+/-79.231 χ^2/NDF: 4.6/3

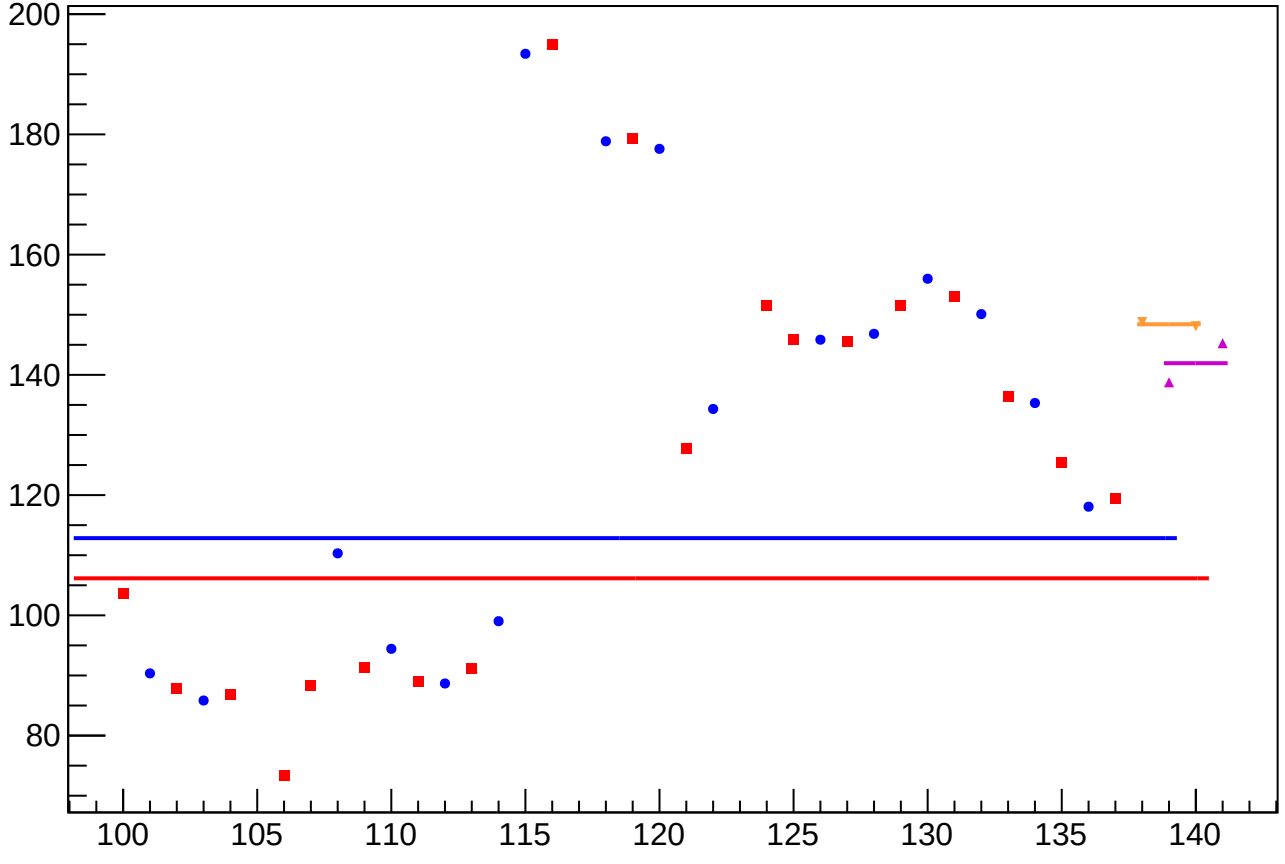
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 28.026+/-40.299 χ^2/NDF:14.6/17

Out: 117.537+/-38.292 χ^2/NDF:15.4/20

All: 75.066+/-27.759 χ^2/NDF: 32.5/38

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 148.417+/-0.082 χ^2/NDF:17.8/1

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 141.943+/-0.076 χ^2/NDF:1812.5/1

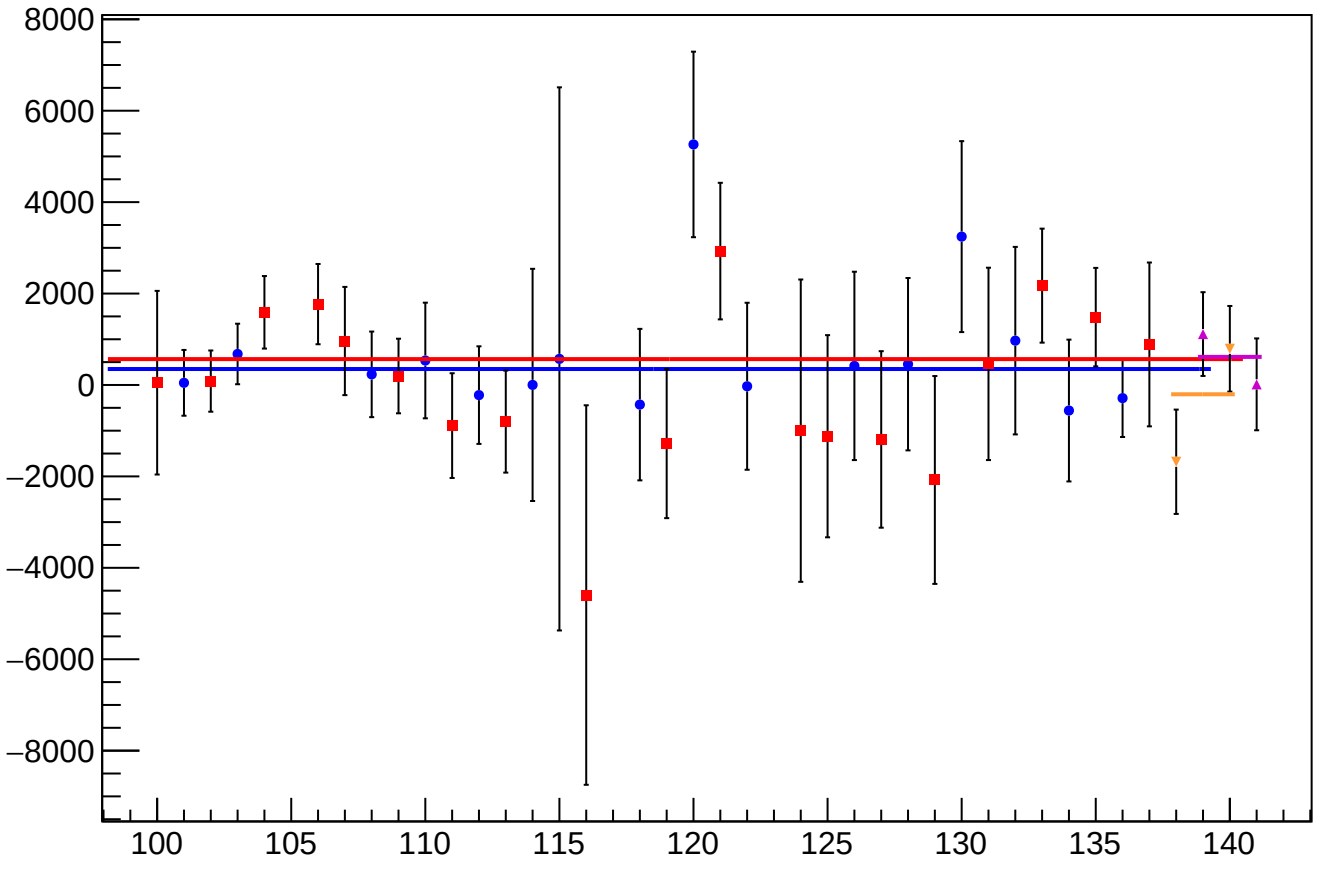
Left: 144.930+/-0.056 χ^2/NDF: 5148.6/3

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 116.897+/-0.028 χ^2/NDF:999104.0/17

Out: 110.712+/-0.027 χ^2/NDF:1236360.0/20

All: 113.647+/-0.020 χ^2/NDF: 2260220.2/38



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -203.439+/-724.120 χ^2/NDF:2.8/1

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 614.328+/-677.051 χ^2/NDF:0.7/1

Left: 232.885+/-494.551 χ^2/NDF: 4.1/3

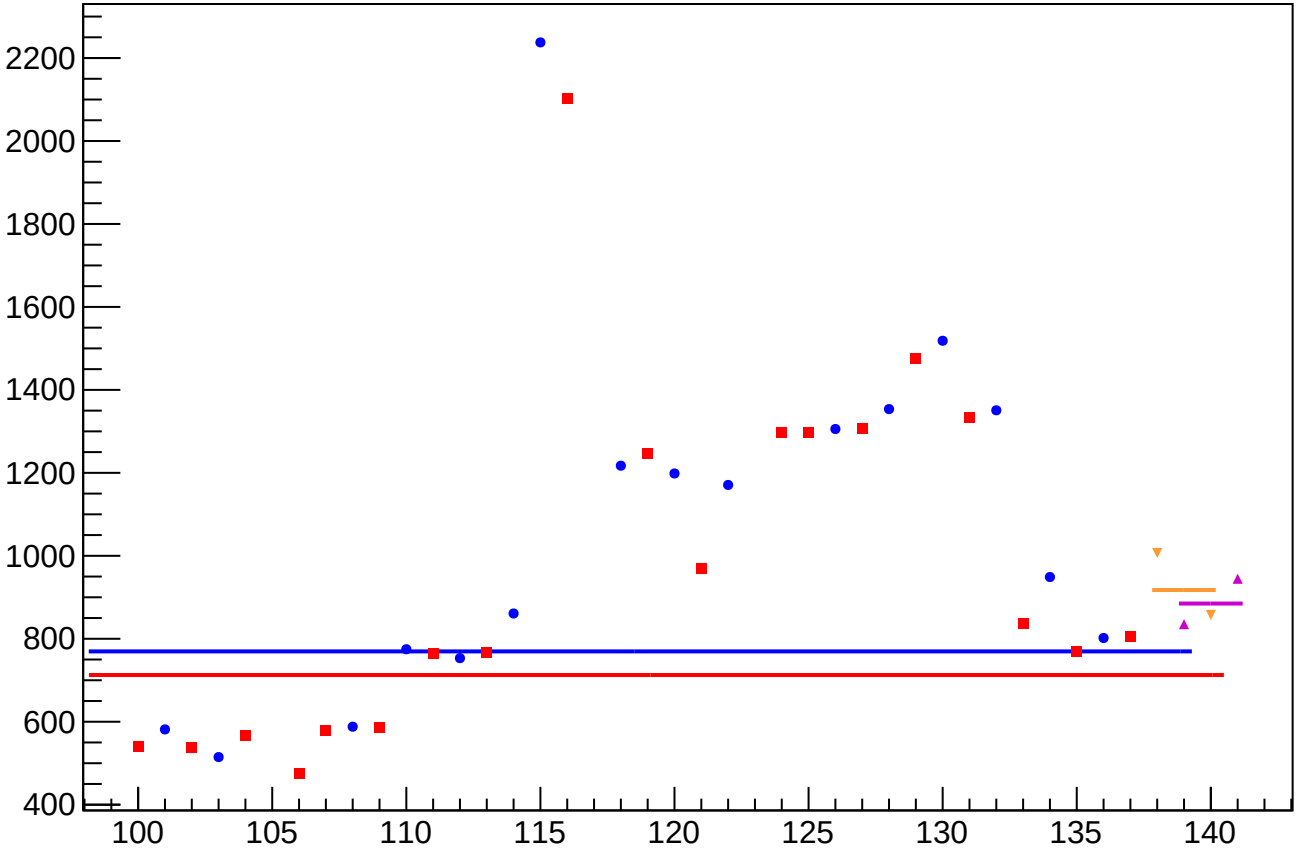
Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 393.933+/-278.334 χ^2/NDF:10.6/17

Out: 466.427+/-260.521 χ^2/NDF:22.1/20

All: 432.574+/-190.202 χ^2/NDF: 32.7/38

asym_sam5_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 917.524+/-0.512 χ^2/NDF:20413.5/1

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 884.919+/-0.479 χ^2/NDF:12971.6/1

Left: 900.128+/-0.350 χ^2/NDF: 35548.7/3

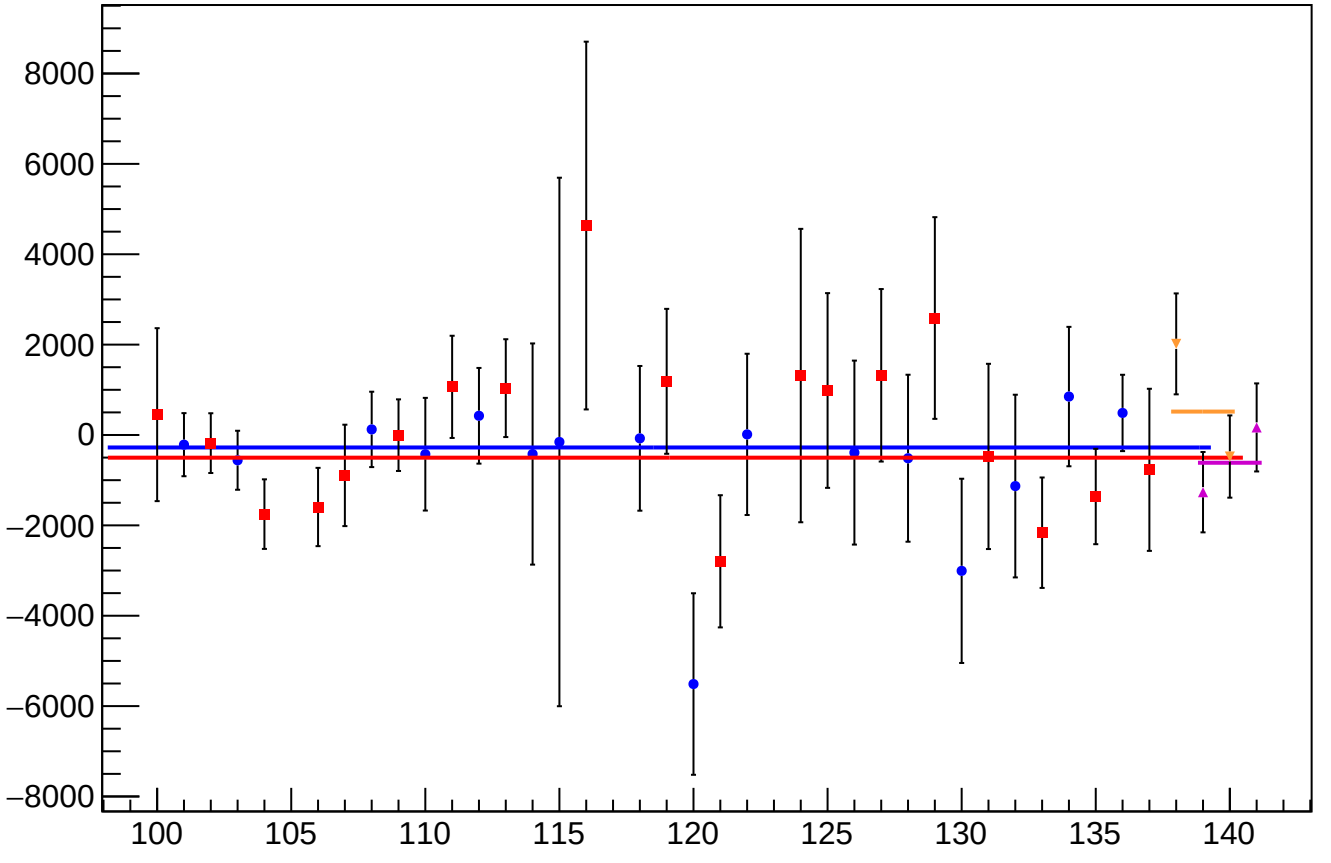
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 789.053+/-0.197 χ^2/NDF:1801158.0/17

Out: 739.149+/-0.184 χ^2/NDF:1927038.5/20

All: 762.453+/-0.134 χ^2/NDF: 3762465.8/38

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 518.143+/-705.542 χ^2/NDF:3.0/1

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -614.484+/-656.814 χ^2/NDF:1.2/1

Left: -88.630+/-480.742 χ^2/NDF: 5.6/3

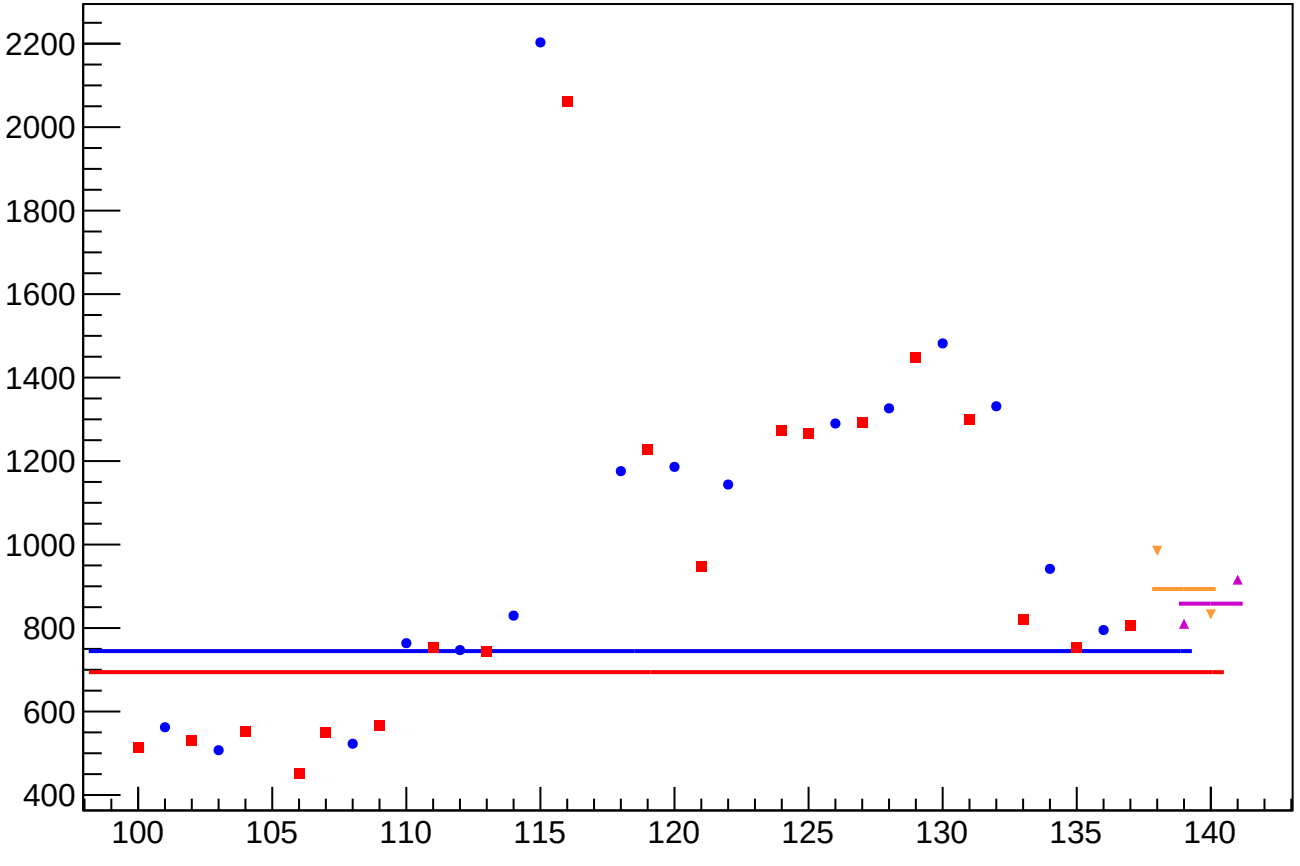
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -333.532+/-270.398 χ^2/NDF:12.5/17

Out: -369.149+/-254.597 χ^2/NDF:25.3/20

All: -352.411+/-185.362 χ^2/NDF: 37.8/38

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 893.583+/-0.499 χ^2/NDF:22326.6/1

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 858.436+/-0.464 χ^2/NDF:12848.0/1

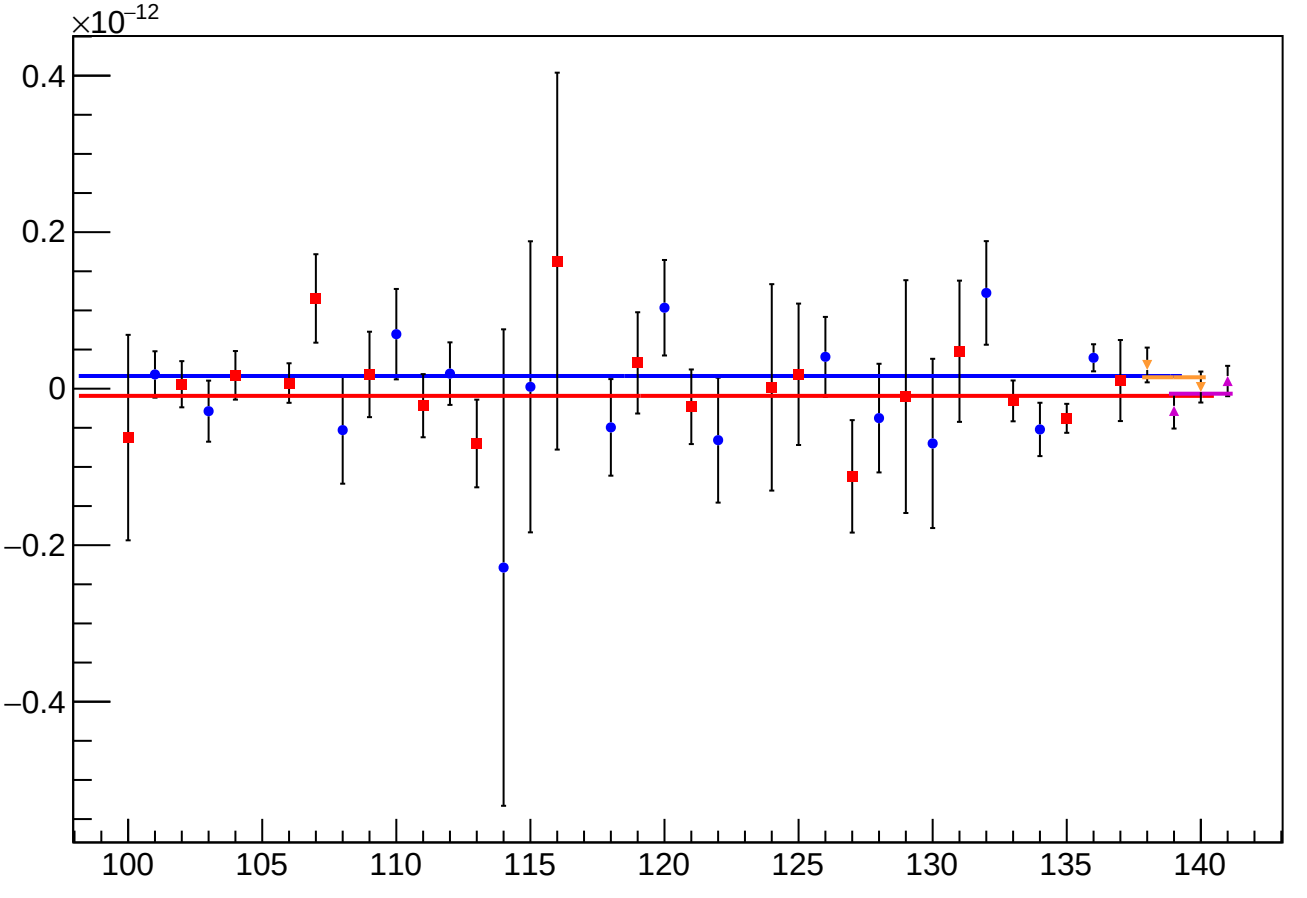
Left: 874.754+/-0.340 χ^2/NDF: 37833.4/3

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 764.045+/-0.191 χ^2/NDF:1885136.0/17

Out: 720.292+/-0.180 χ^2/NDF:1964784.0/20

All: 740.853+/-0.131 χ^2/NDF: 3877677.3/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/1

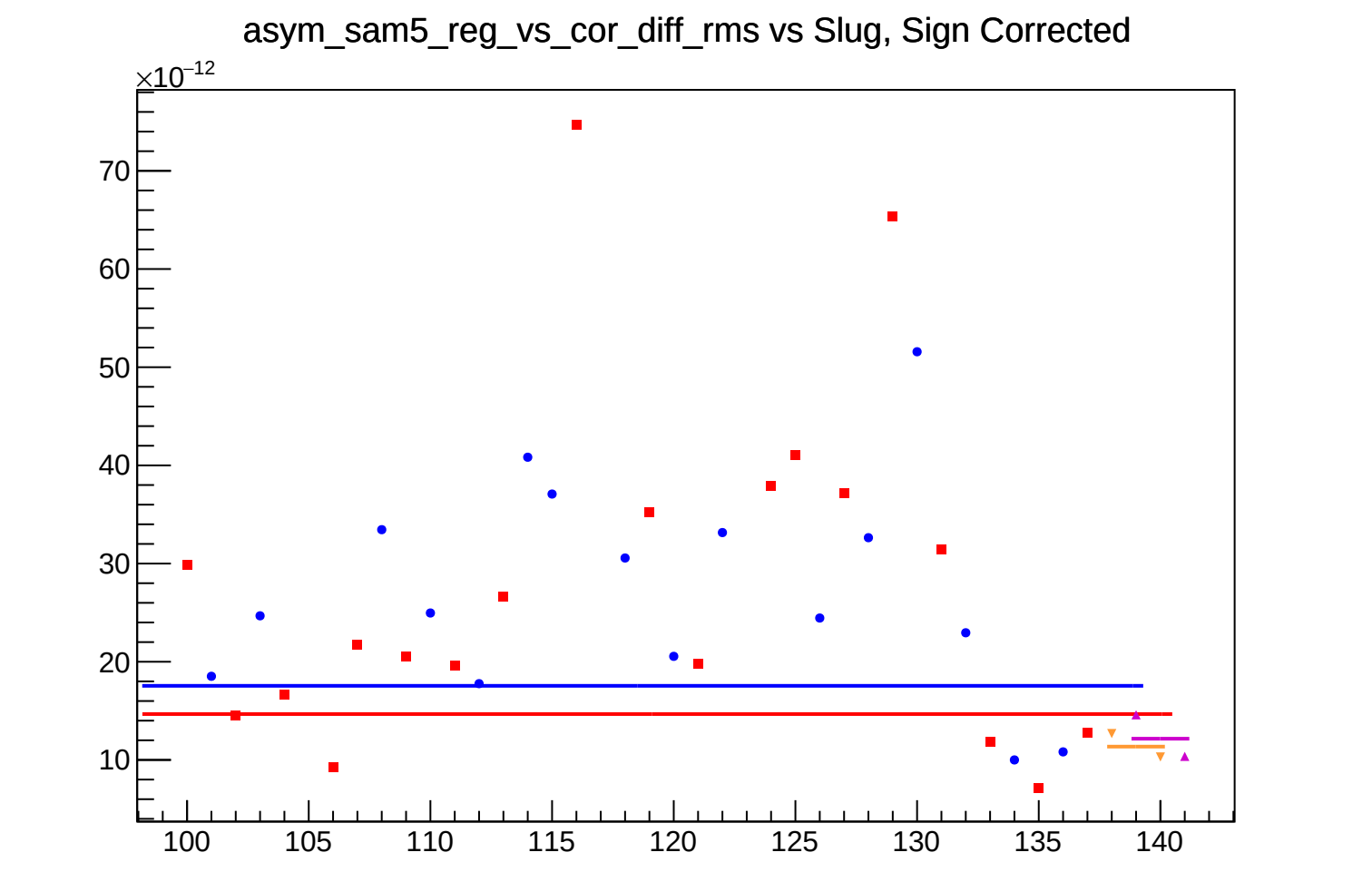
Left: 0.000+/-0.000 χ^2/NDF: 3.6/3

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:21.1/17

Out: -0.000+/-0.000 χ^2/NDF:16.9/20

All: 0.000+/-0.000 χ^2/NDF: 38.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12856.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:40470.3/1

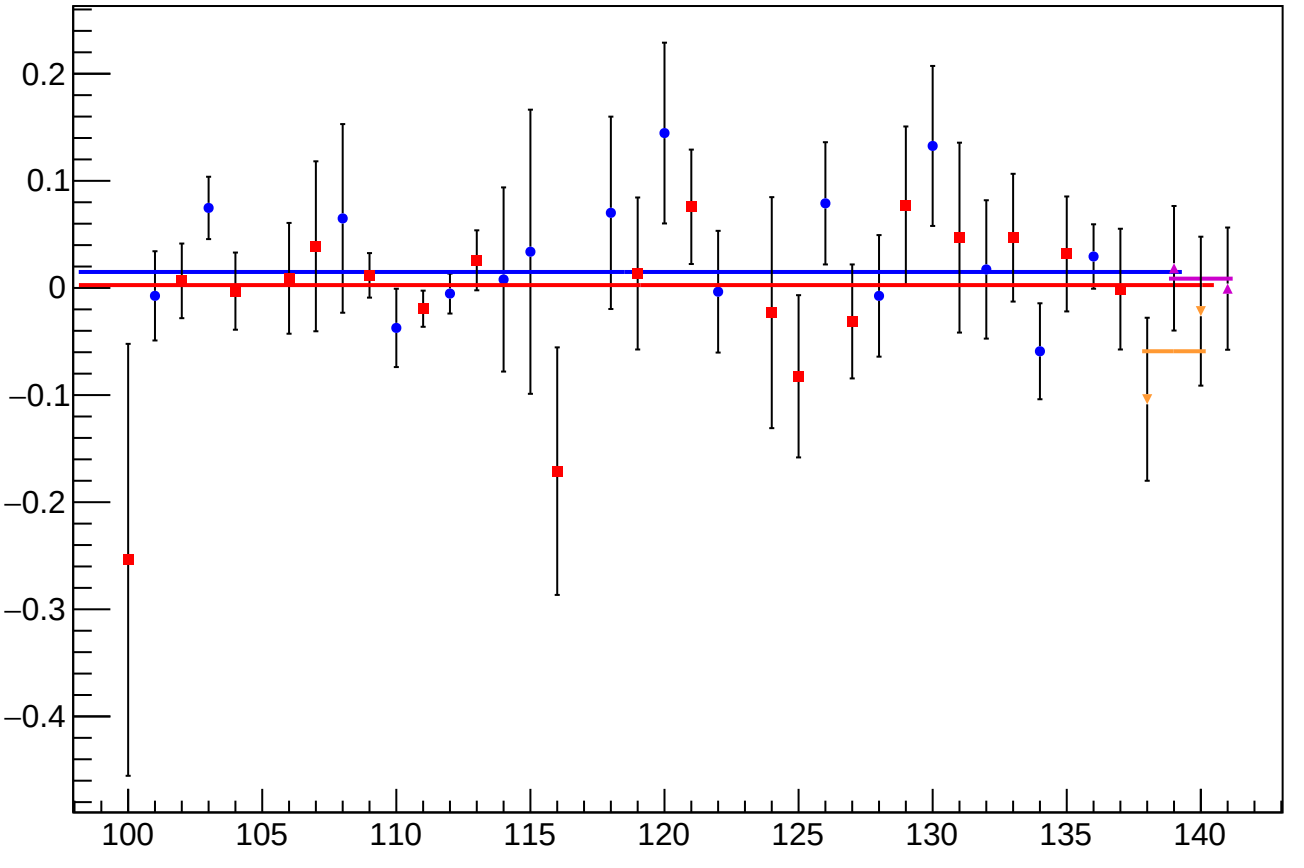
Left: 0.000+/-0.000 χ^2/NDF: 56312.3/3

Right: 0.000+/-0.000 χ^2/NDF: 2980076.4/34

In: 0.000+/-0.000 χ^2/NDF:1372641.6/17

Out: 0.000+/-0.000 χ^2/NDF:1826321.2/20

All: 0.000+/-0.000 χ^2/NDF: 3255360.5/38



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.059+/-0.051 χ^2/NDF:0.6/1

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.041 χ^2/NDF:0.1/1

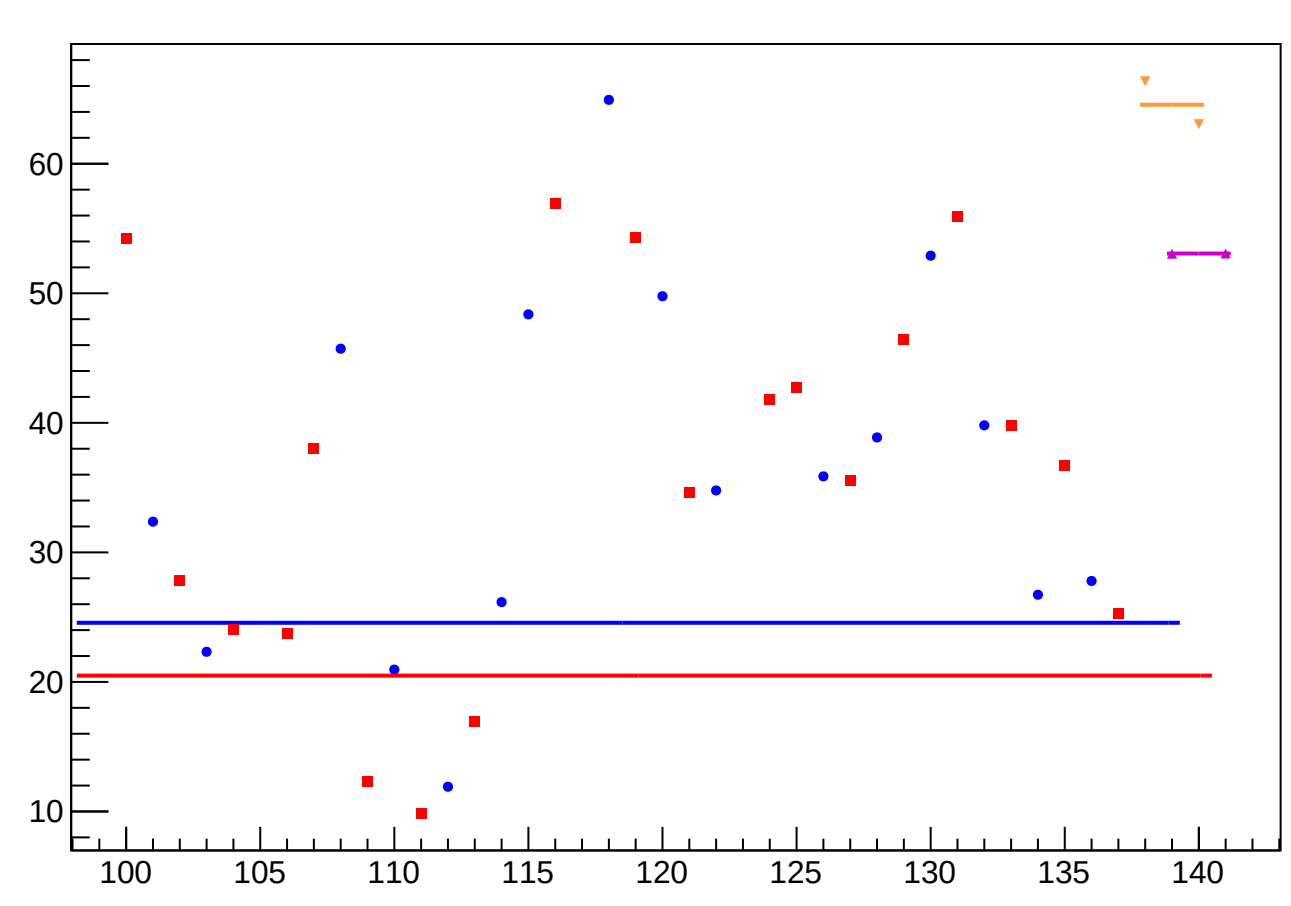
Left: -0.017+/-0.032 χ^2/NDF: 1.8/3

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.9/17

Out: 0.001+/-0.009 χ^2/NDF:14.5/20

All: 0.007+/-0.007 χ^2/NDF: 33.4/38



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 64.555+/-0.036 χ^2/NDF:2061.1/1

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.068+/-0.029 χ^2/NDF:0.1/1

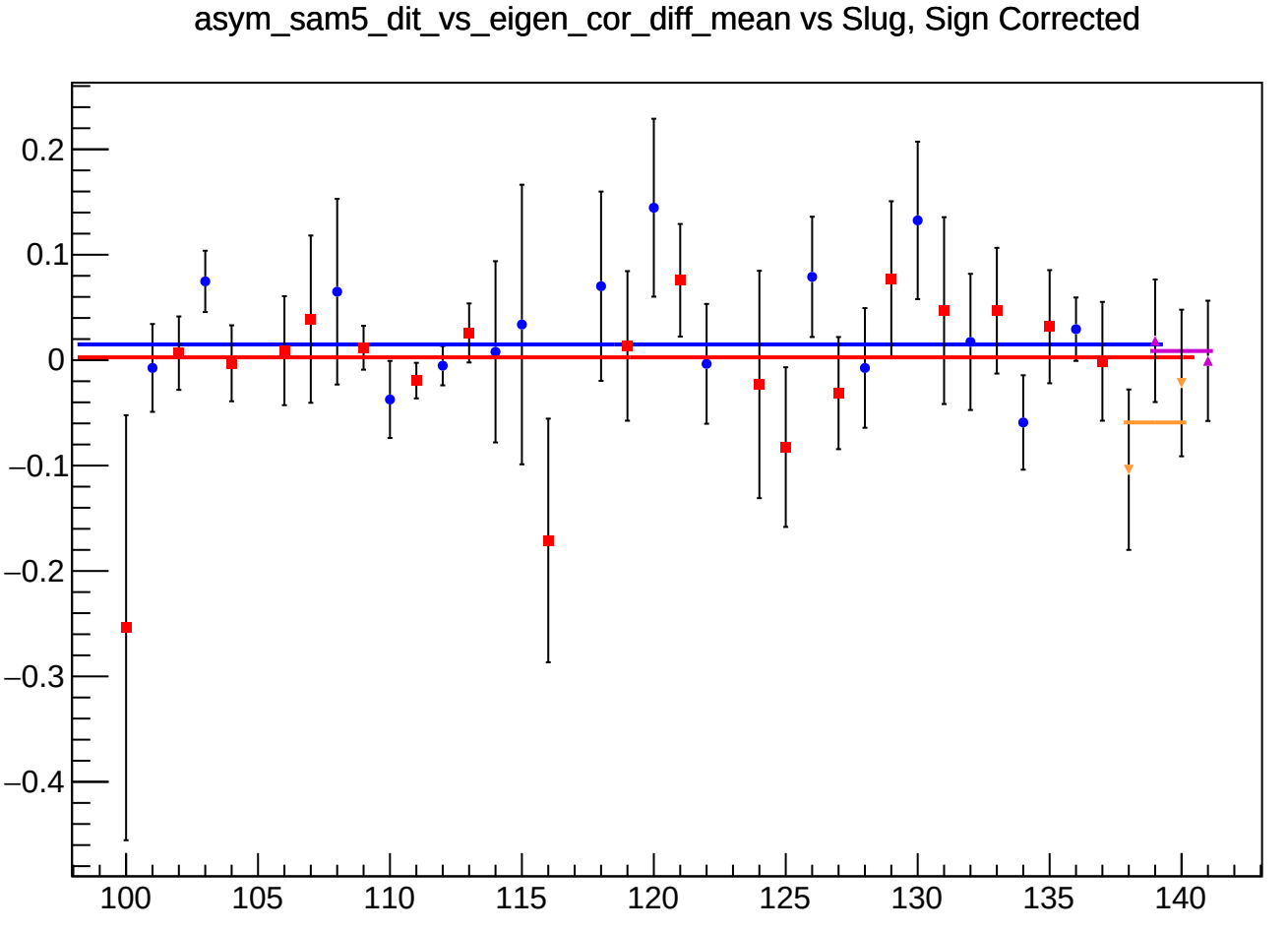
Left: 57.506+/-0.023 χ^2/NDF: 63537.2/3

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 26.371+/-0.007 χ^2/NDF:3402241.3/17

Out: 21.867+/-0.006 χ^2/NDF:5014224.5/20

All: 23.848+/-0.005 χ^2/NDF: 8632855.2/38



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.059+/-0.051 χ^2/NDF:0.6/1

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.041 χ^2/NDF:0.1/1

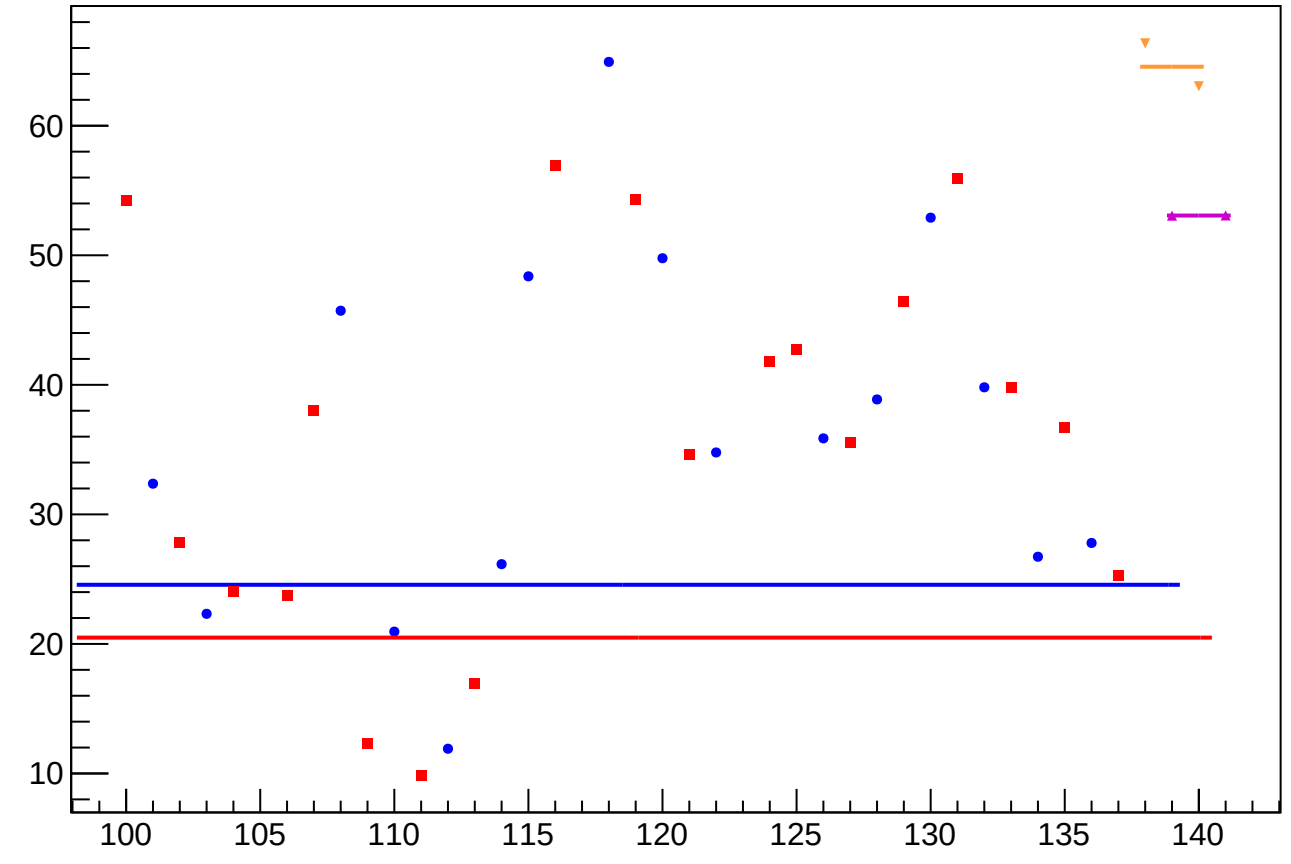
Left: -0.017+/-0.032 χ^2/NDF: 1.8/3

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.9/17

Out: 0.001+/-0.009 χ^2/NDF:14.5/20

All: 0.007+/-0.007 χ^2/NDF: 33.4/38



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 64.555+/-0.036 χ^2/NDF:2061.1/1

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.068+/-0.029 χ^2/NDF:0.1/1

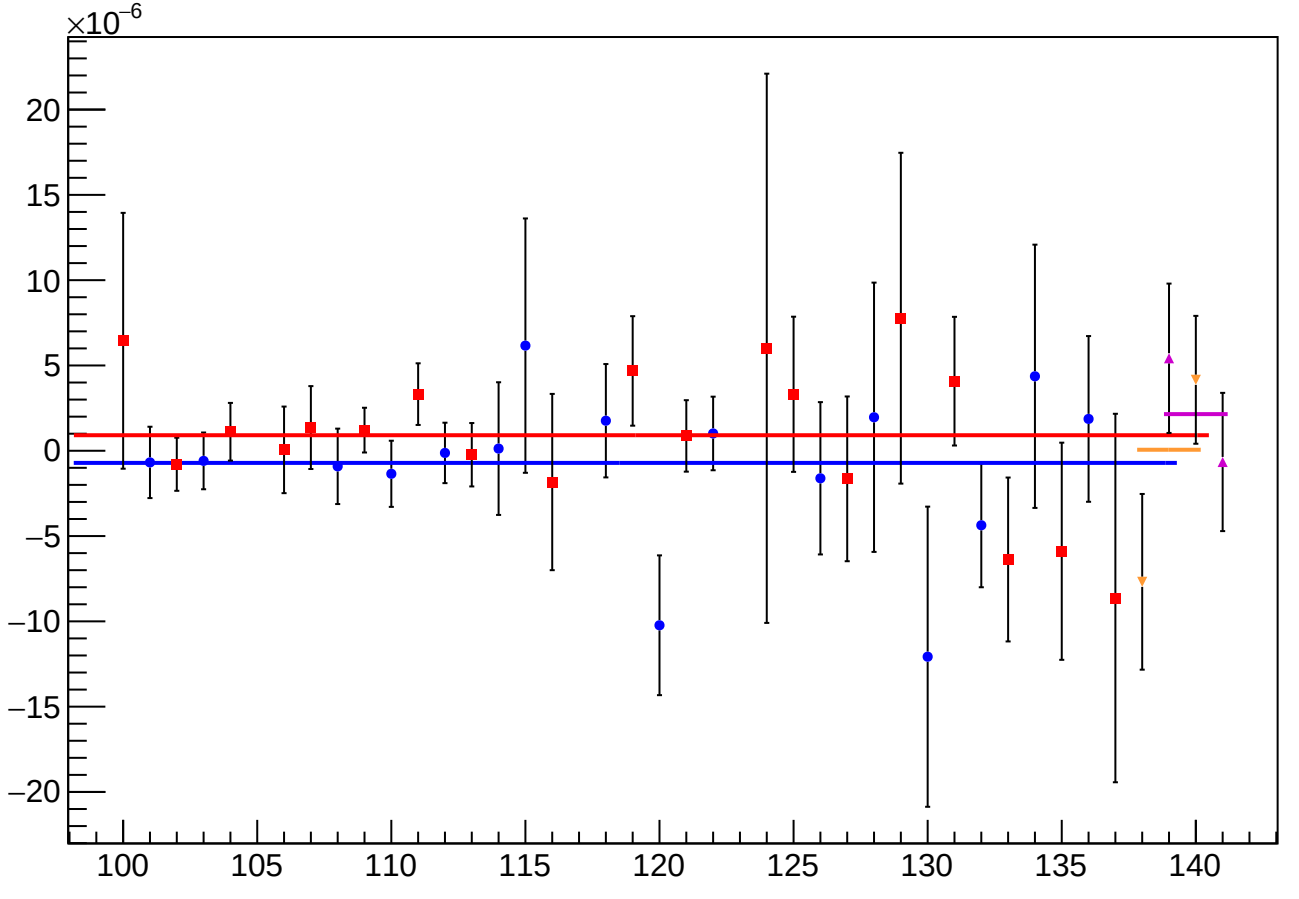
Left: 57.506+/-0.023 χ^2/NDF: 63537.2/3

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 26.371+/-0.007 χ^2/NDF:3402241.3/17

Out: 21.867+/-0.006 χ^2/NDF:5014224.5/20

All: 23.848+/-0.005 χ^2/NDF: 8632855.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

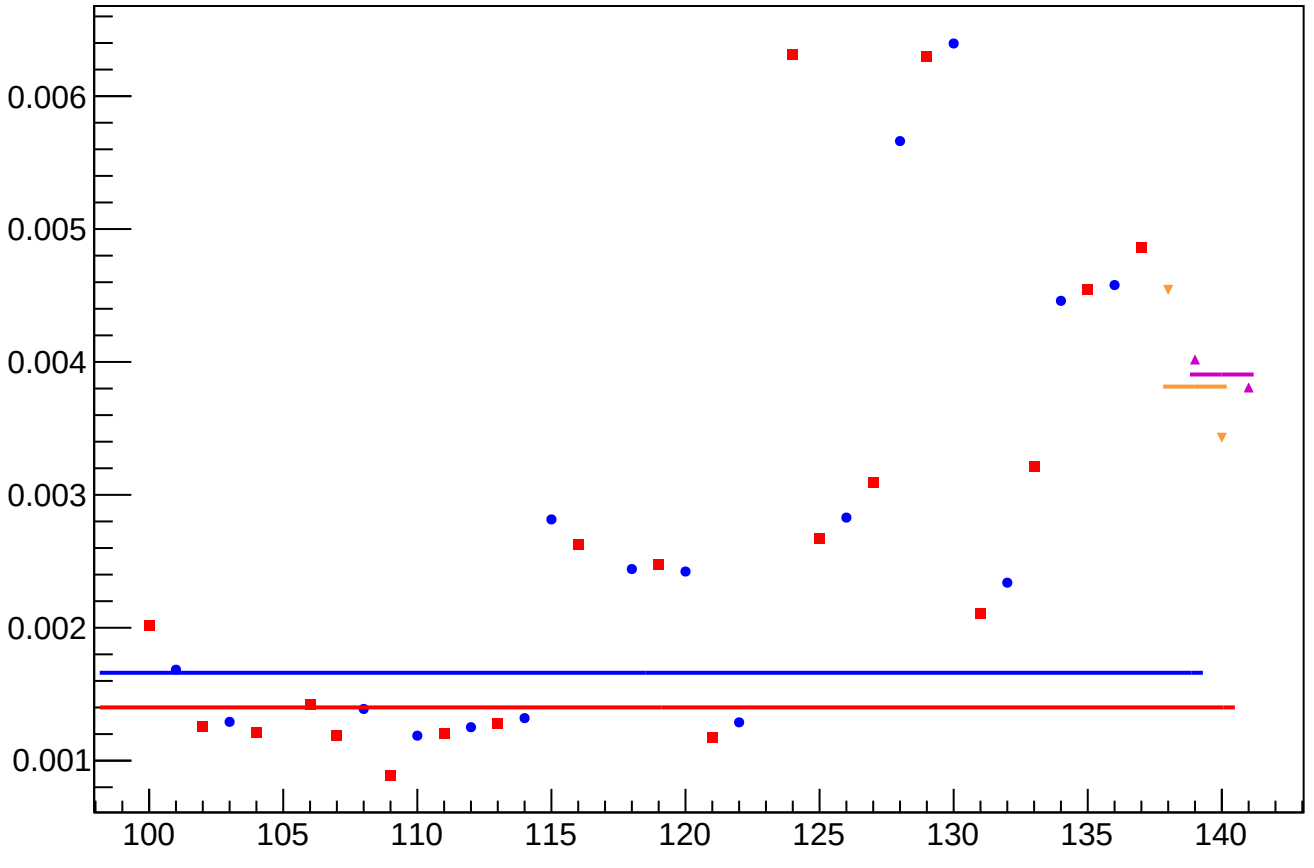
Left: 0.000+/-0.000 χ^2/NDF: 4.7/3

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:13.2/17

Out: 0.000+/-0.000 χ^2/NDF:15.4/20

All: 0.000+/-0.000 χ^2/NDF: 31.2/38



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:61016.6/1

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.004+/-0.000 χ^2/NDF:2495.1/1

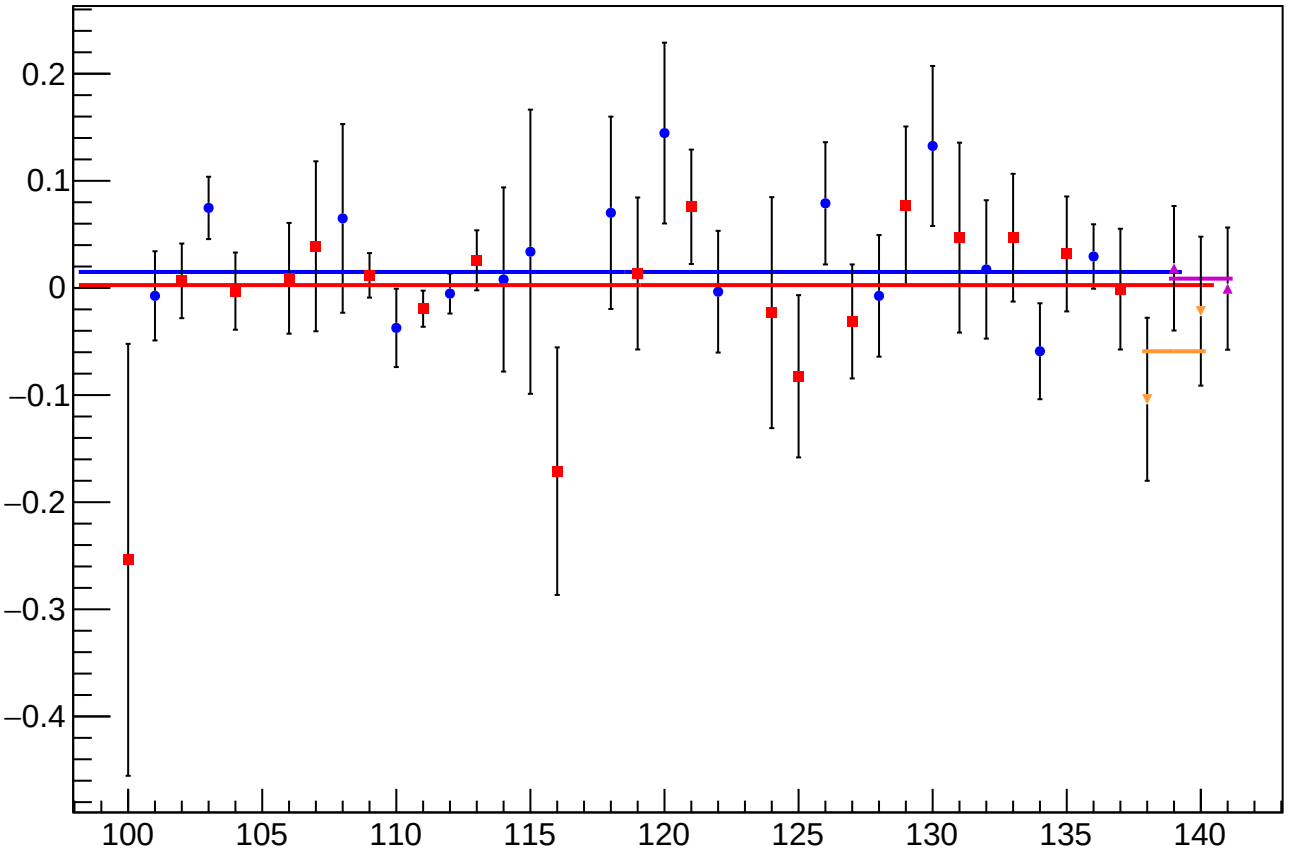
Left: 0.004+/-0.000 χ^2/NDF: 64427.8/3

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:4024064.4/17

Out: 0.001+/-0.000 χ^2/NDF:4199766.0/20

All: 0.002+/-0.000 χ^2/NDF: 8436246.7/38



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.059+/-0.051 χ^2/NDF:0.6/1

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.041 χ^2/NDF:0.1/1

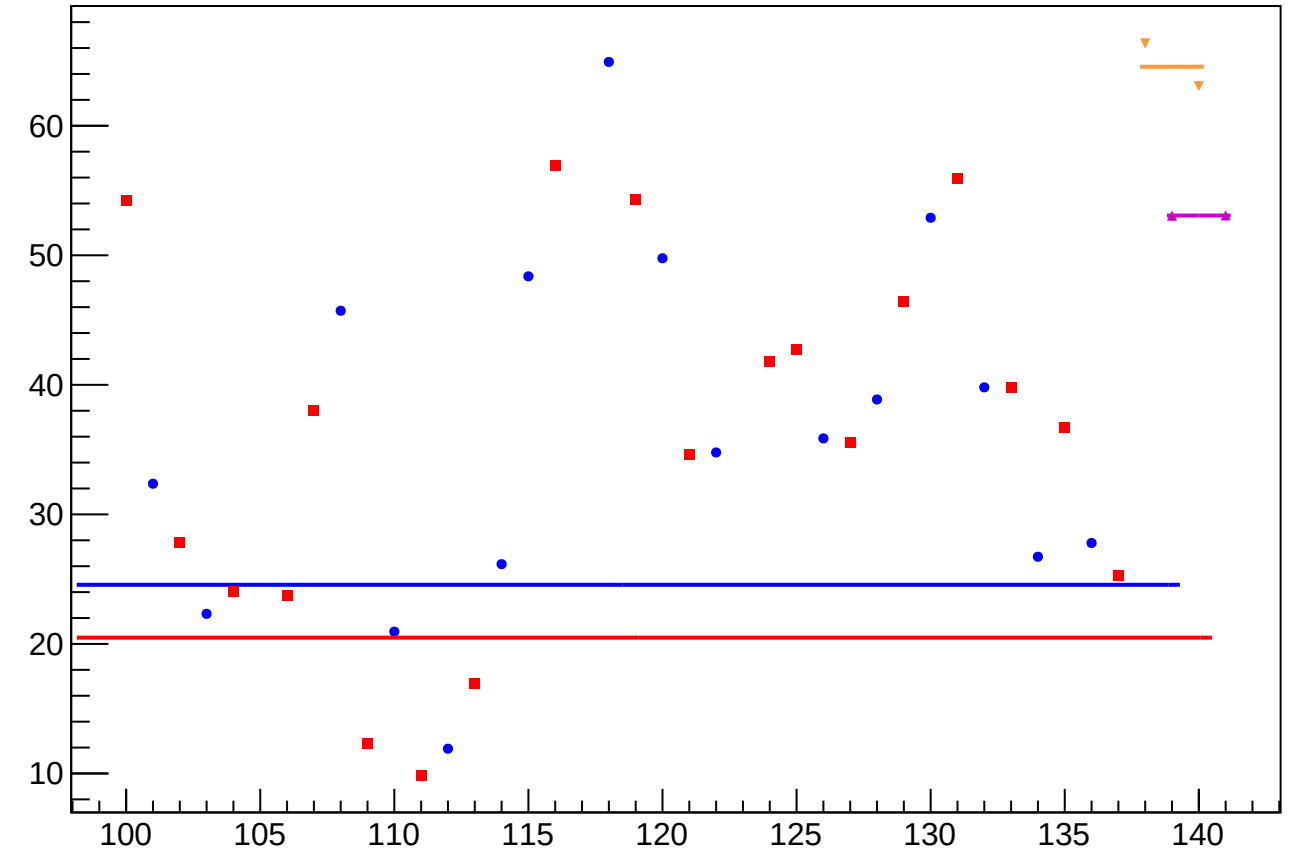
Left: -0.017+/-0.032 χ^2/NDF: 1.8/3

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.8/17

Out: 0.001+/-0.009 χ^2/NDF:14.5/20

All: 0.007+/-0.007 χ^2/NDF: 33.4/38



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 64.557+/-0.036 χ^2/NDF:2061.6/1

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.070+/-0.029 χ^2/NDF:0.1/1

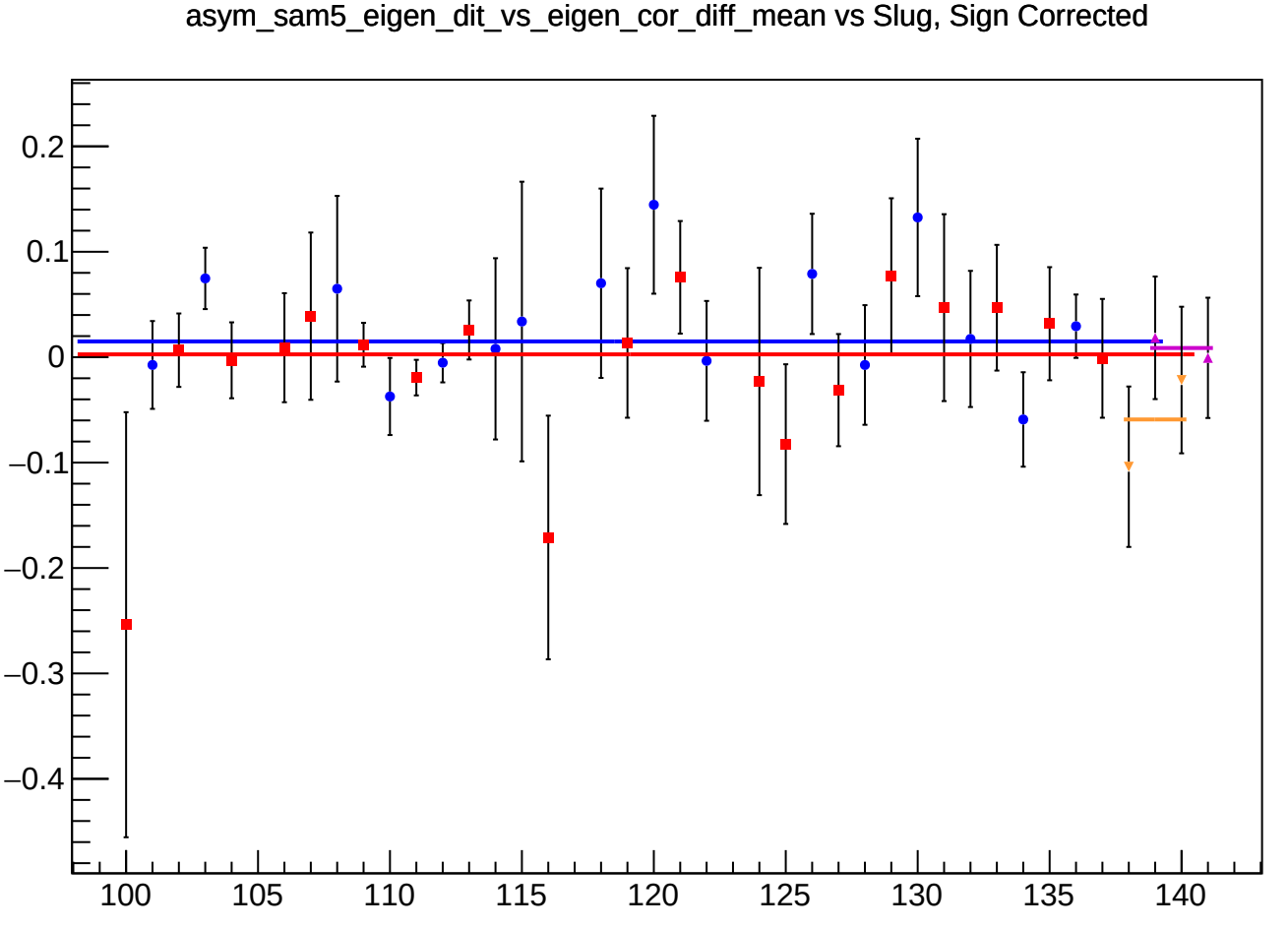
Left: 57.508+/-0.023 χ^2/NDF: 63533.1/3

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 26.370+/-0.007 χ^2/NDF:3402256.4/17

Out: 21.867+/-0.006 χ^2/NDF:5014266.5/20

All: 23.848+/-0.005 χ^2/NDF: 8632924.8/38



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.059+/-0.051 χ^2/NDF:0.6/1

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.041 χ^2/NDF:0.1/1

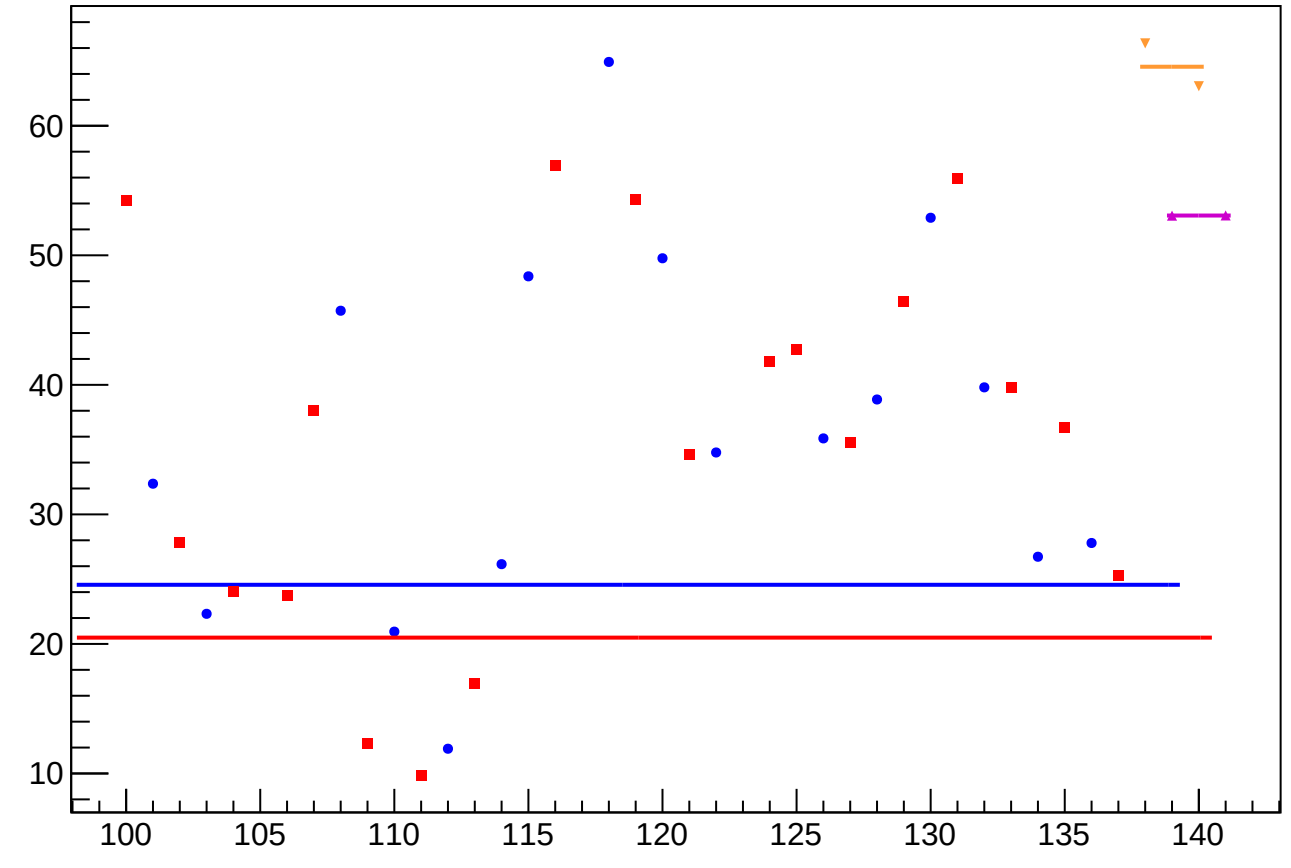
Left: -0.017+/-0.032 χ^2/NDF: 1.8/3

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.8/17

Out: 0.001+/-0.009 χ^2/NDF:14.5/20

All: 0.007+/-0.007 χ^2/NDF: 33.4/38



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 64.557+/-0.036 χ^2/NDF:2061.6/1

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.070+/-0.029 χ^2/NDF:0.1/1

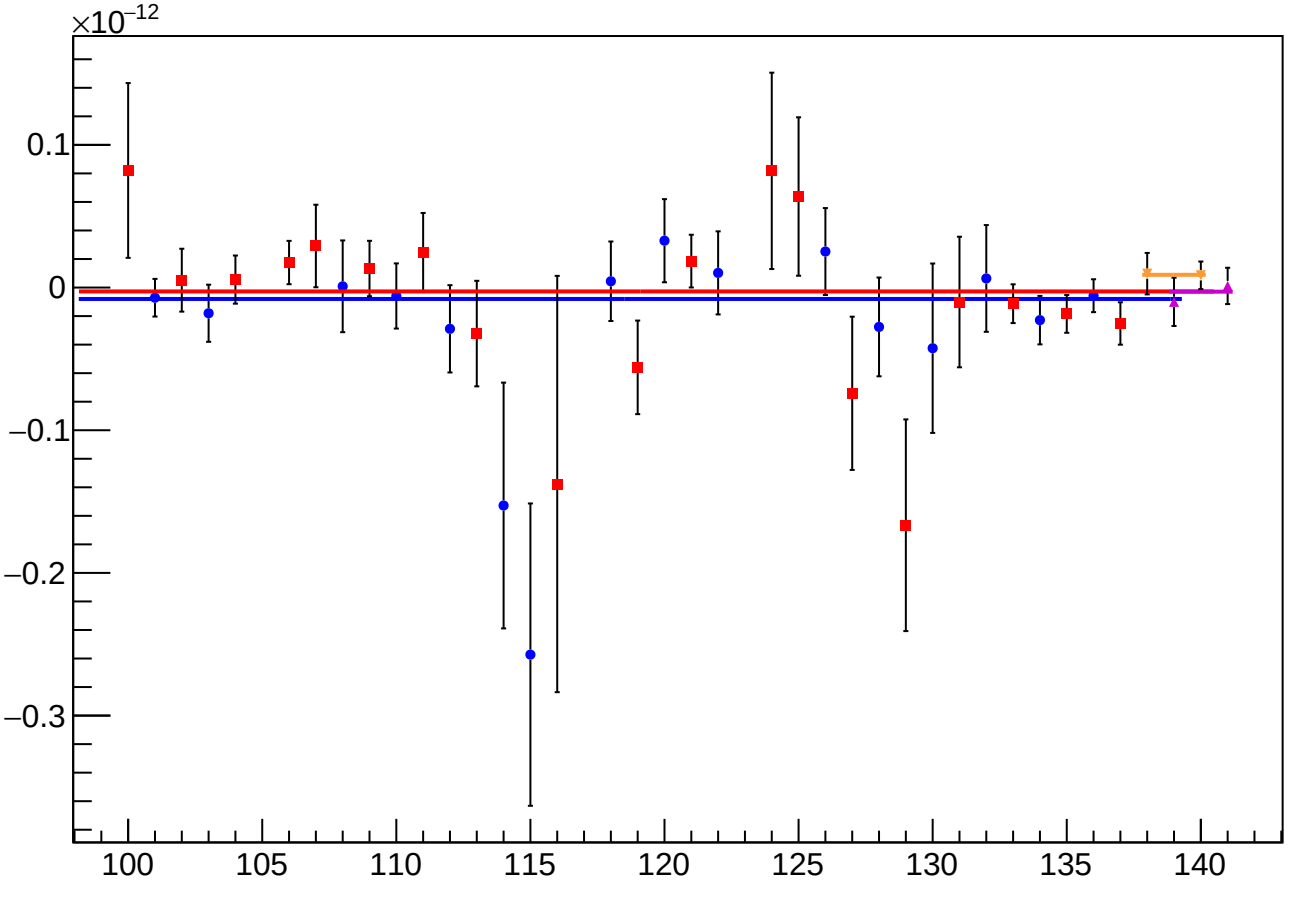
Left: 57.508+/-0.023 χ^2/NDF: 63533.1/3

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 26.370+/-0.007 χ^2/NDF:3402256.4/17

Out: 21.867+/-0.006 χ^2/NDF:5014266.5/20

All: 23.848+/-0.005 χ^2/NDF: 8632924.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

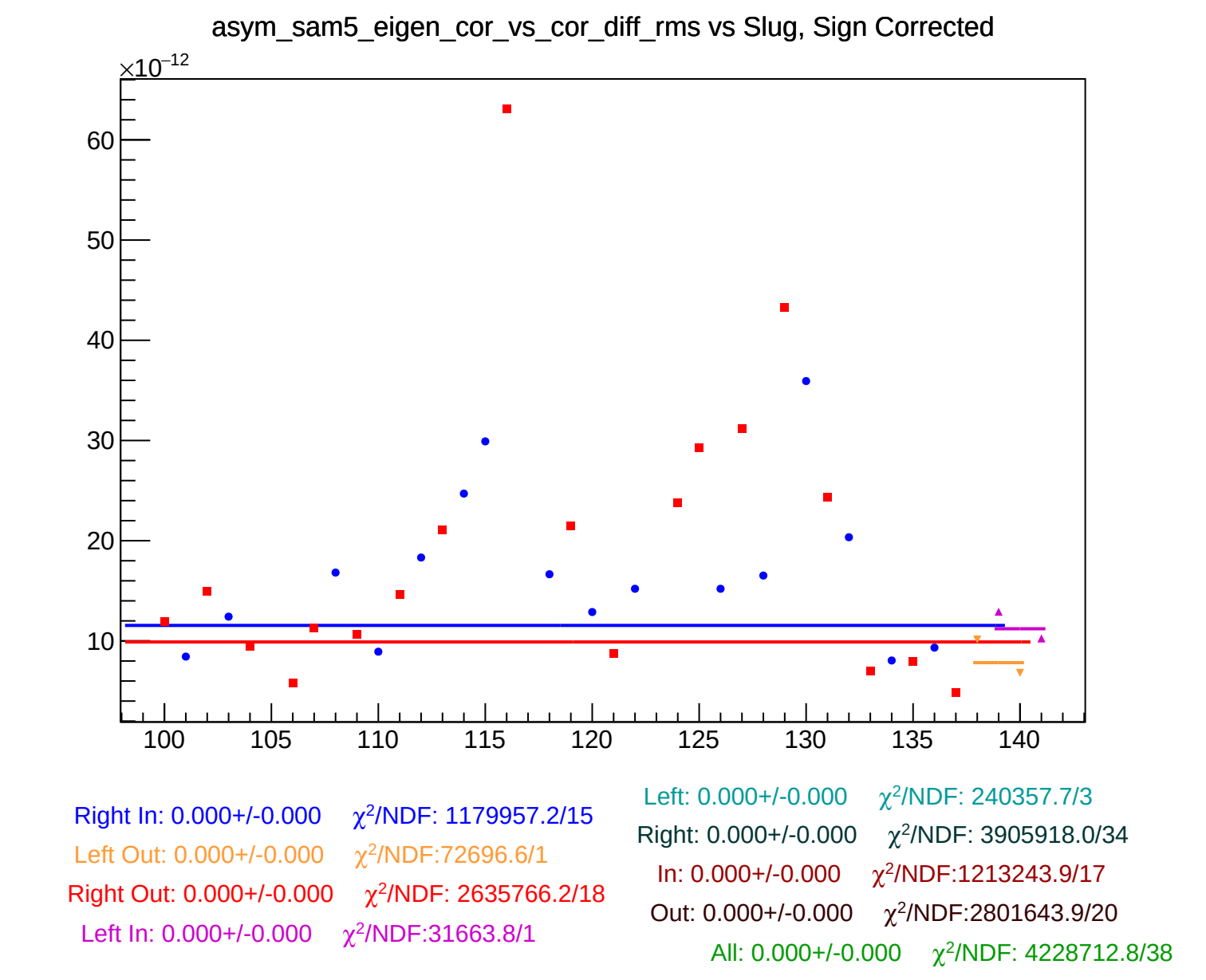
Left: 0.000+/-0.000 χ^2/NDF: 1.1/3

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

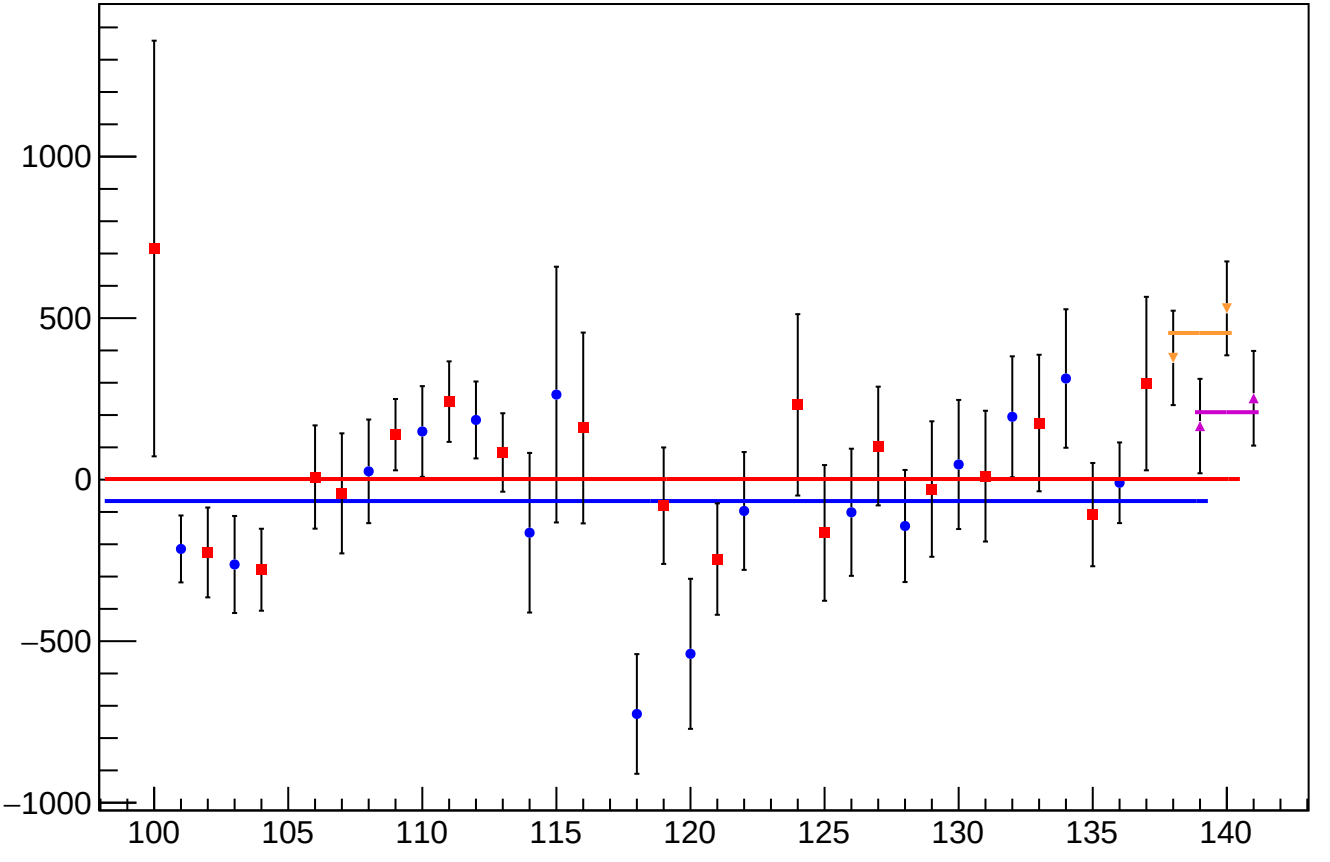
In: -0.000+/-0.000 χ^2/NDF:15.0/17

Out: 0.000+/-0.000 χ^2/NDF:27.6/20

All: -0.000+/-0.000 χ^2/NDF: 43.8/38


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:72696.6/1
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:31663.8/1
Left: 0.000+/-0.000 χ²/NDF: 240357.7/3
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1213243.9/17
Out: 0.000+/-0.000 χ²/NDF:2801643.9/20
All: 0.000+/-0.000 χ²/NDF: 4228712.8/38

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 454.004+/-103.057 χ^2/NDF:0.6/1

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 208.827+/-103.488 χ^2/NDF:0.2/1

Left: 331.927+/-73.024 χ^2/NDF: 3.5/3

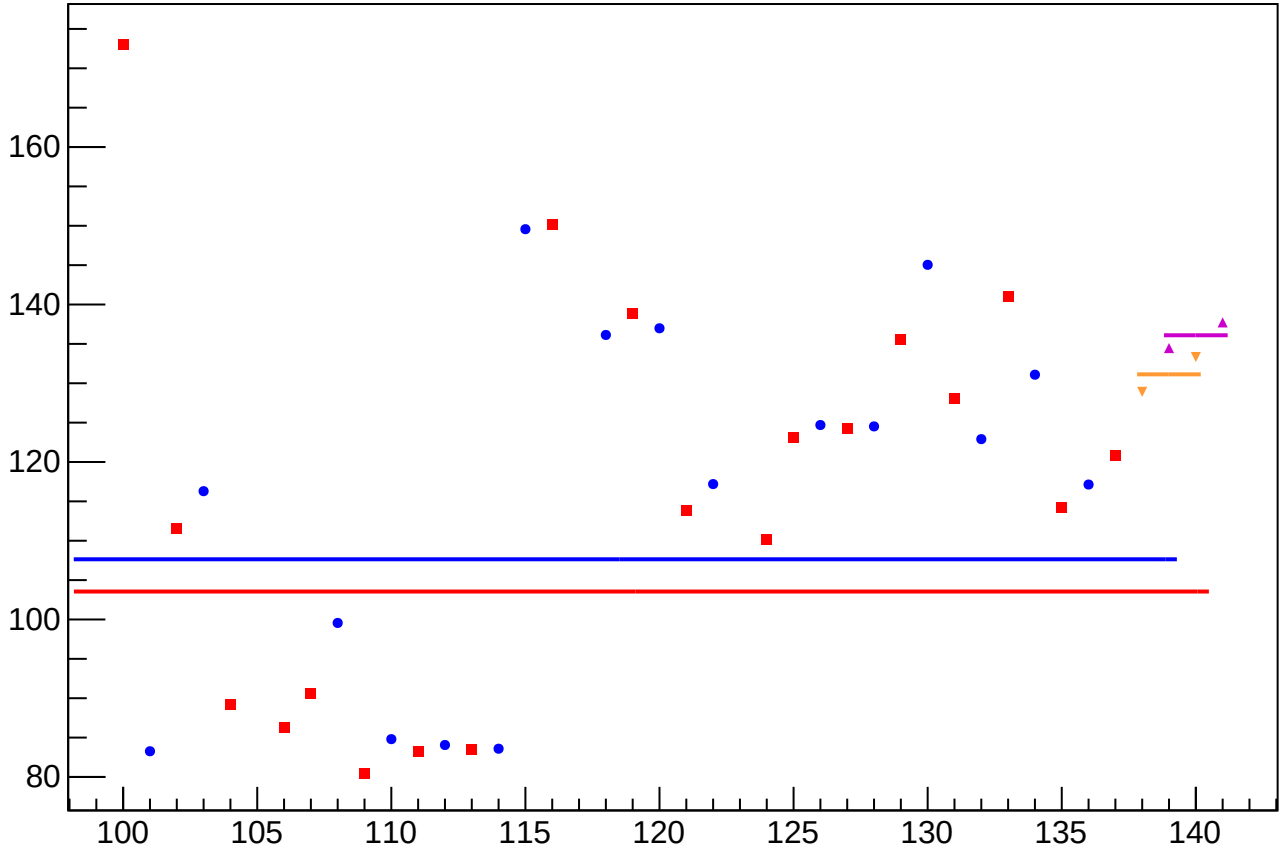
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: -29.013+/-38.067 χ^2/NDF:40.7/17

Out: 58.298+/-36.366 χ^2/NDF:38.5/20

All: 16.637+/-26.295 χ^2/NDF: 81.9/38

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 131.131+/-0.073 χ^2/NDF:919.8/1

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 136.096+/-0.073 χ^2/NDF:496.2/1

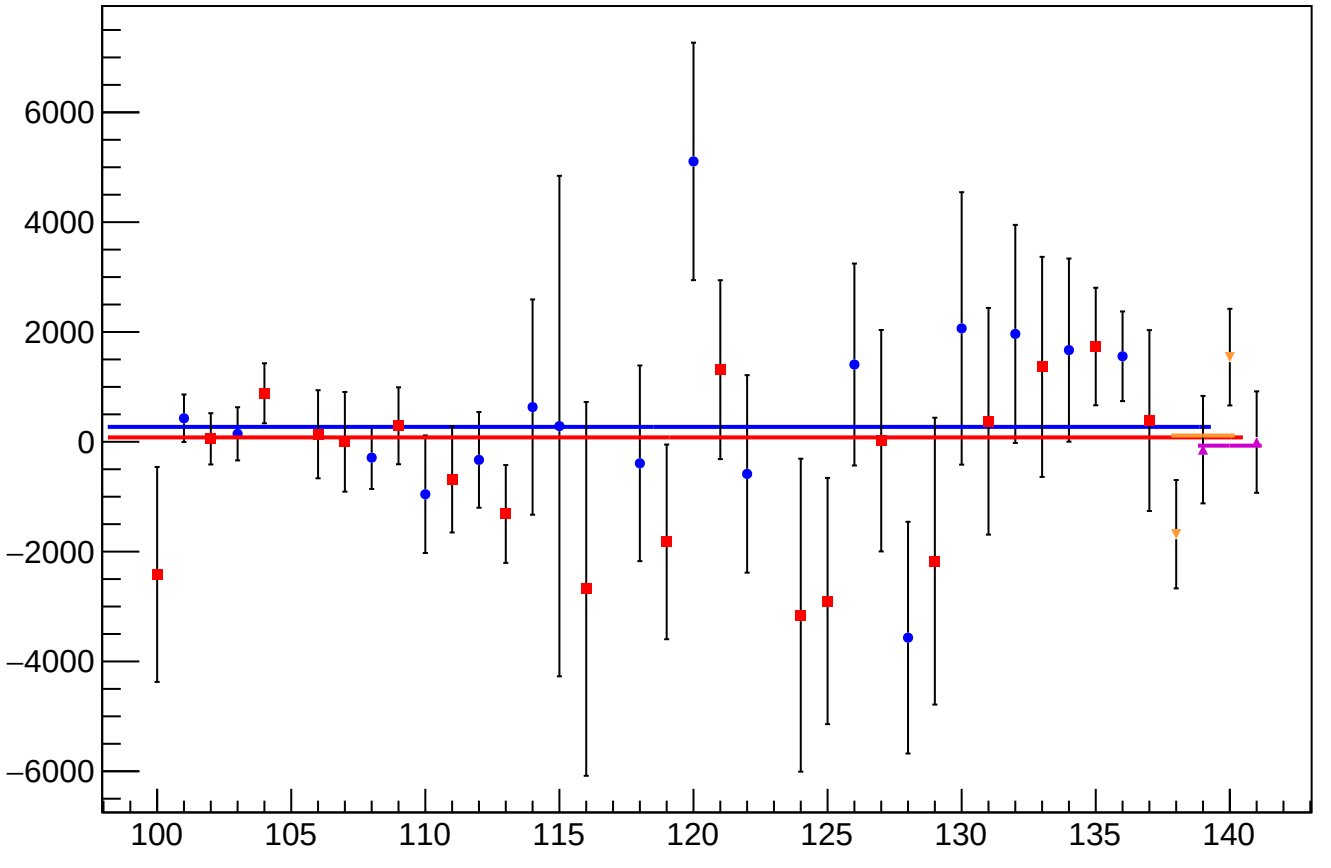
Left: 133.603+/-0.052 χ^2/NDF: 3726.5/3

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 111.494+/-0.027 χ^2/NDF:664032.9/17

Out: 106.984+/-0.026 χ^2/NDF:743684.5/20

All: 109.136+/-0.019 χ^2/NDF: 1422392.2/38



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 114.433+/-656.748 χ^2/NDF:5.9/1

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: -70.076+/-671.776 χ^2/NDF:0.0/1

Left: 24.265+/-469.614 χ^2/NDF: 6.0/3

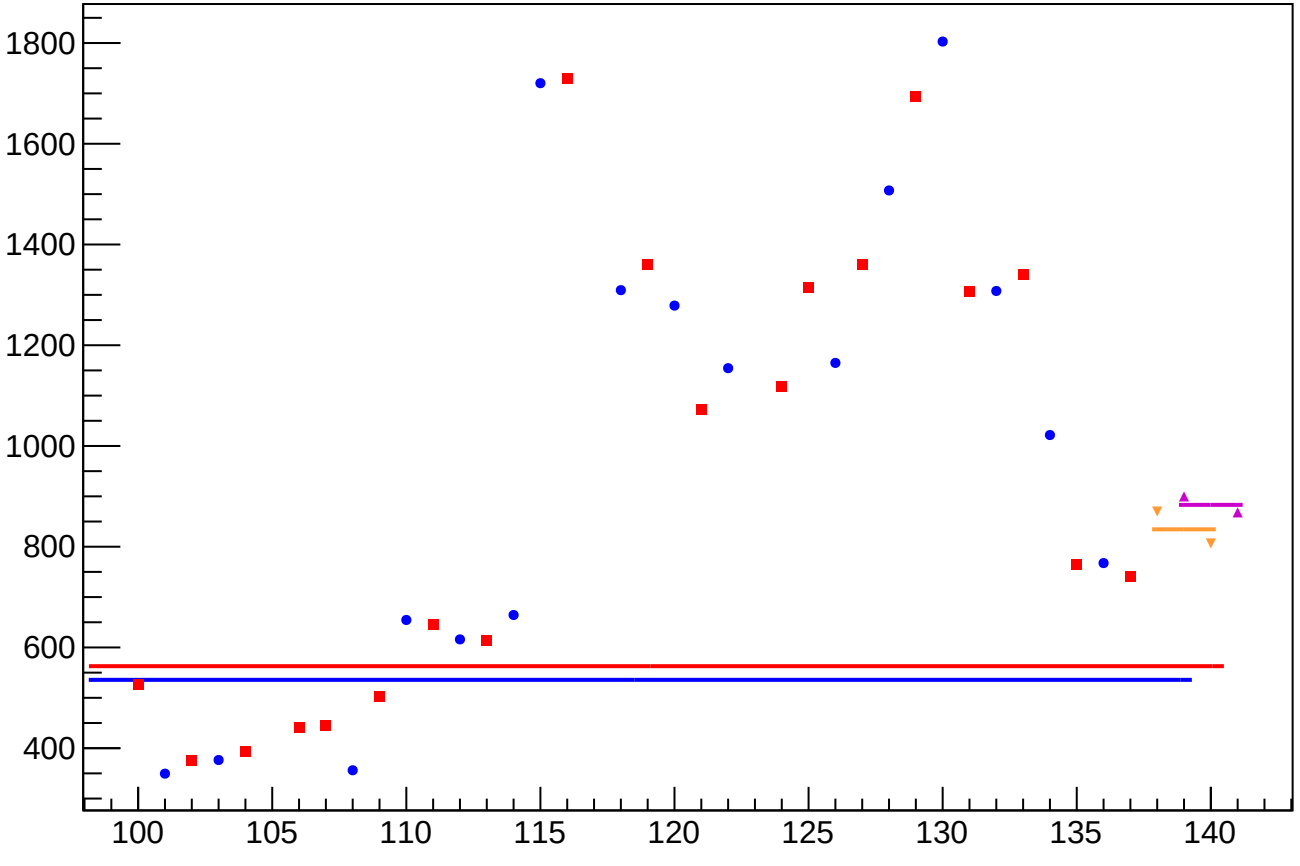
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 235.480+/-218.160 χ^2/NDF:16.7/17

Out: 83.908+/-218.882 χ^2/NDF:22.0/20

All: 159.944+/-154.517 χ^2/NDF: 38.9/38

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 834.530+/-0.464 χ^2/NDF:4586.5/1

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 883.069+/-0.475 χ^2/NDF:1105.9/1

Left: 858.251+/-0.332 χ^2/NDF: 11031.1/3

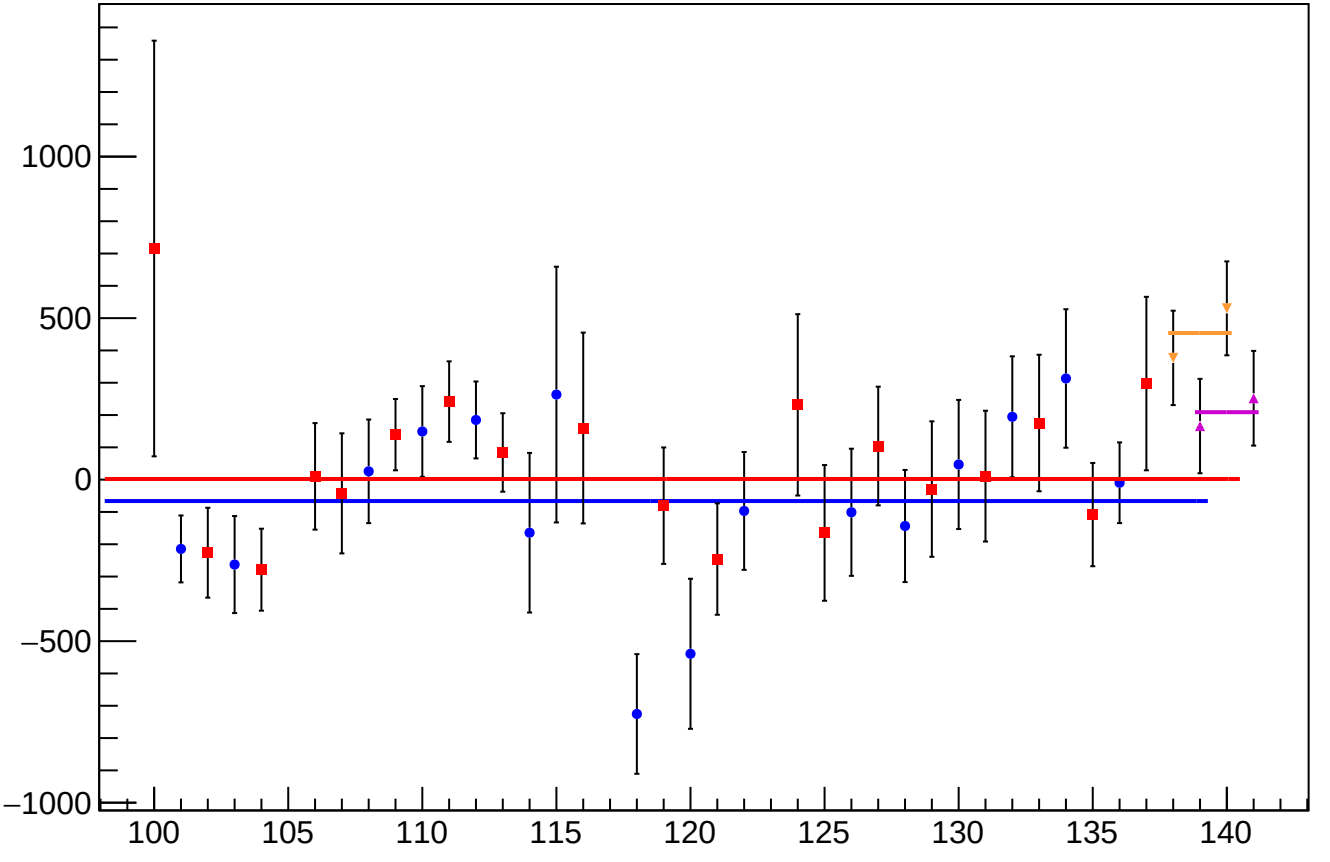
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 572.320+/-0.154 χ^2/NDF:4111909.7/17

Out: 593.022+/-0.155 χ^2/NDF:3419867.8/20

All: 582.637+/-0.109 χ^2/NDF: 7540753.2/38

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 453.998+/-103.057 χ^2/NDF:0.6/1

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 208.828+/-103.488 χ^2/NDF:0.2/1

Left: 331.924+/-73.024 χ^2/NDF: 3.5/3

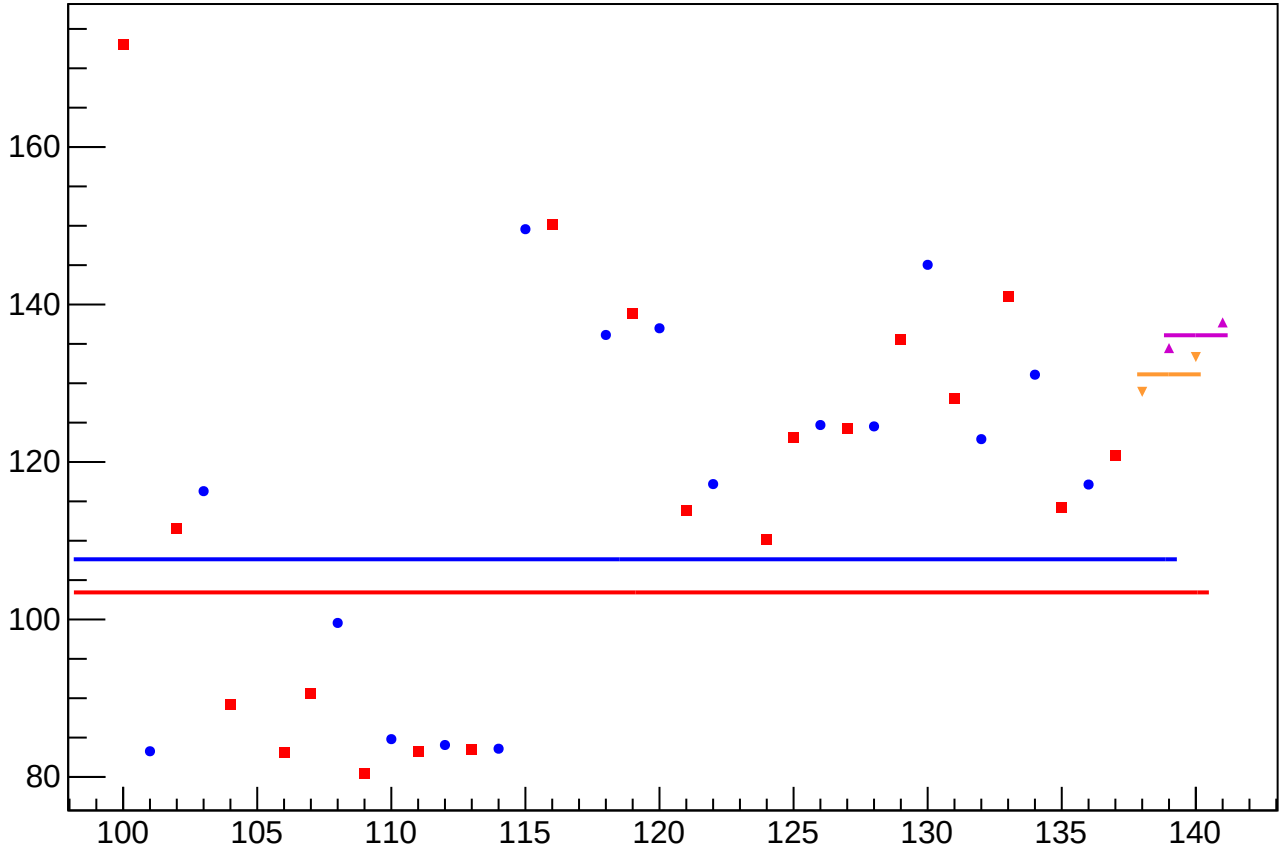
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: -29.035+/-38.067 χ^2/NDF:40.7/17

Out: 58.515+/-36.424 χ^2/NDF:38.5/20

All: 16.671+/-26.317 χ^2/NDF: 82.0/38

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 131.131+/-0.073 χ^2/NDF:919.8/1

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 136.096+/-0.073 χ^2/NDF:496.2/1

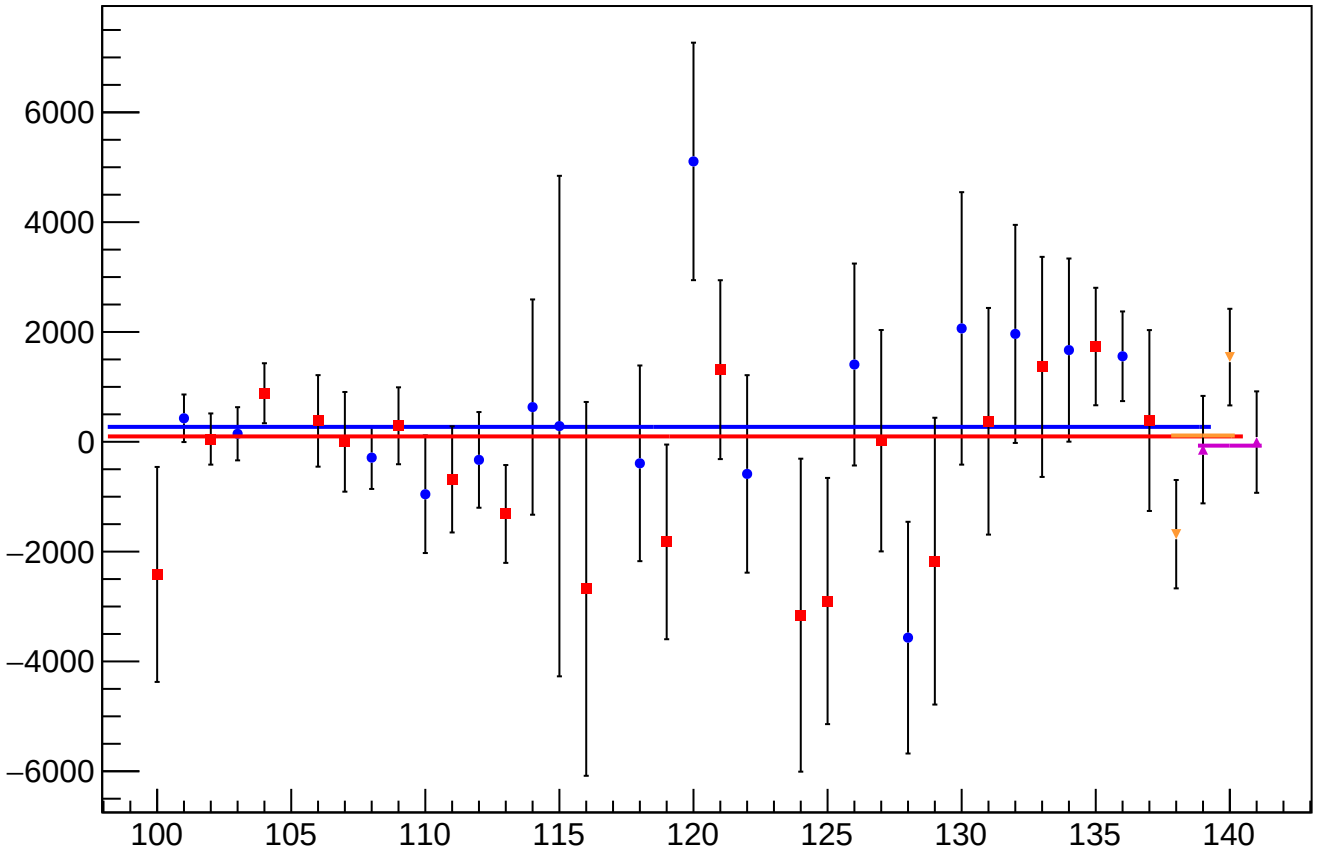
Left: 133.603+/-0.052 χ^2/NDF: 3726.5/3

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 111.494+/-0.027 χ^2/NDF:664033.5/17

Out: 106.897+/-0.026 χ^2/NDF:752053.9/20

All: 109.094+/-0.019 χ^2/NDF: 1431312.5/38



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 114.458+/-656.748 χ^2/NDF:5.9/1

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -70.098+/-671.776 χ^2/NDF:0.0/1

Left: 24.268+/-469.614 χ^2/NDF: 6.0/3

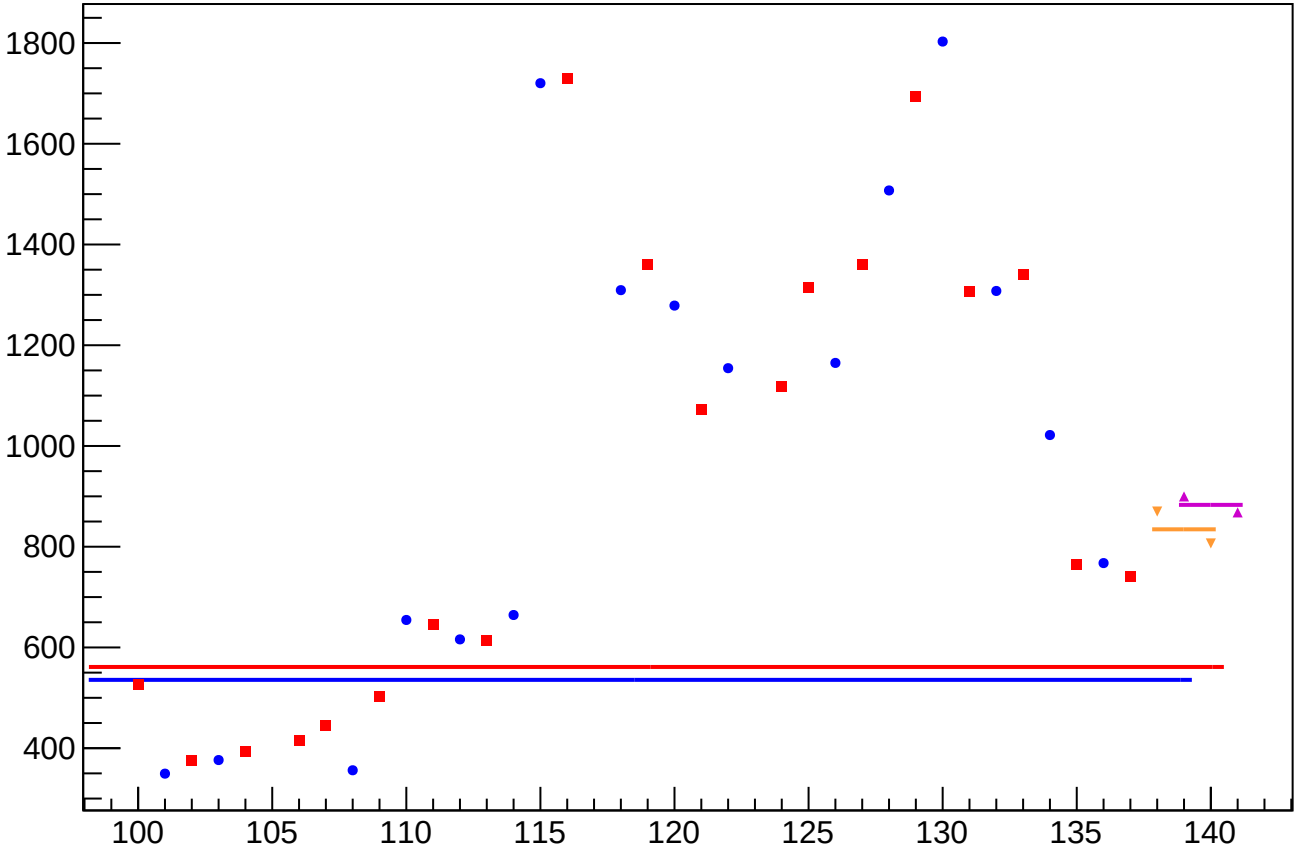
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 235.606+/-218.154 χ^2/NDF:16.7/17

Out: 99.701+/-219.407 χ^2/NDF:22.1/20

All: 168.042+/-154.699 χ^2/NDF: 39.0/38

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 834.530+/-0.464 χ^2/NDF:4586.8/1

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 883.069+/-0.475 χ^2/NDF:1106.0/1

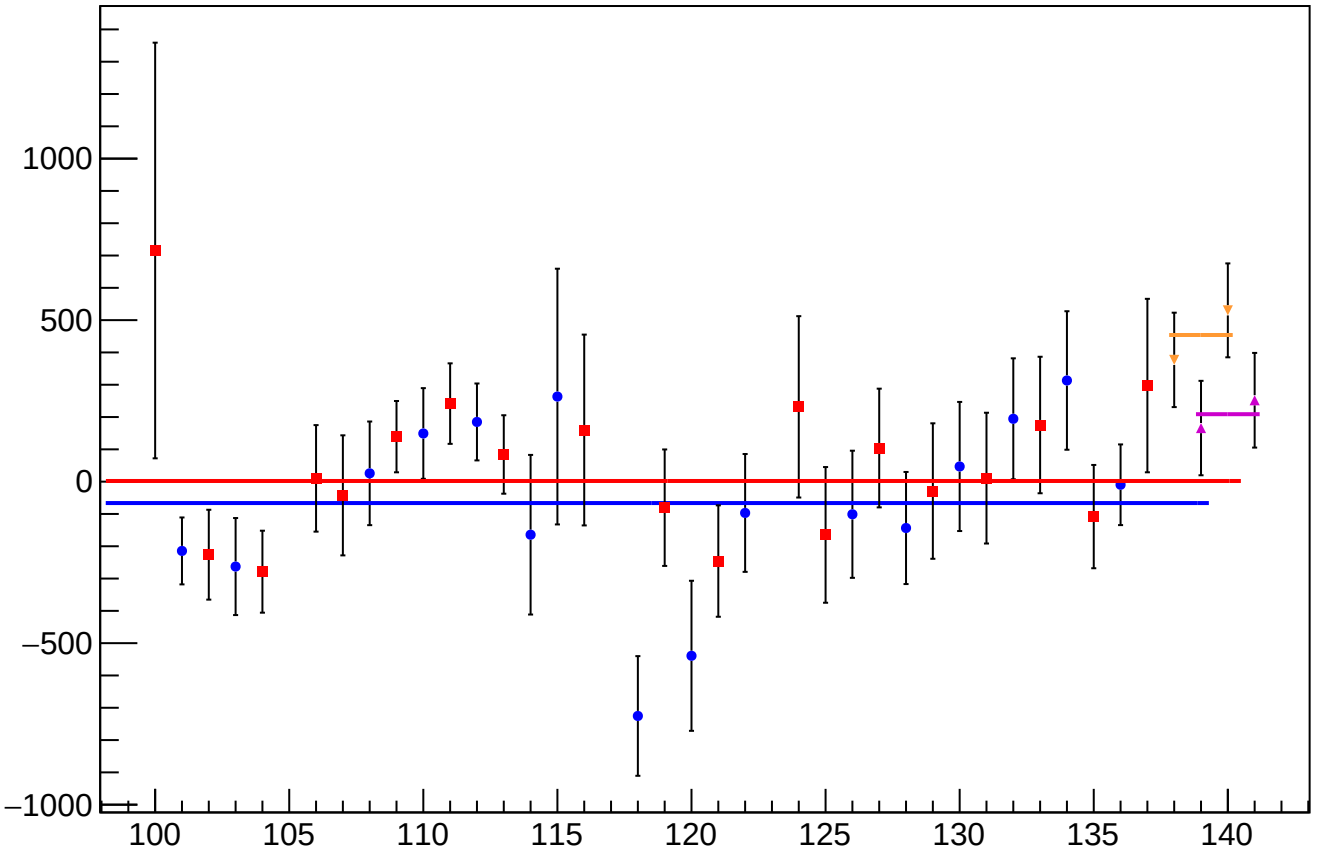
Left: 858.251+/-0.332 χ^2/NDF: 11031.5/3

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 572.298+/-0.154 χ^2/NDF:4112173.3/17

Out: 591.768+/-0.155 χ^2/NDF:3442950.9/20

All: 581.978+/-0.109 χ^2/NDF: 7563043.7/38



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 453.998+/-103.057 χ^2/NDF:0.6/1

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 208.828+/-103.488 χ^2/NDF:0.2/1

Left: 331.924+/-73.024 χ^2/NDF: 3.5/3

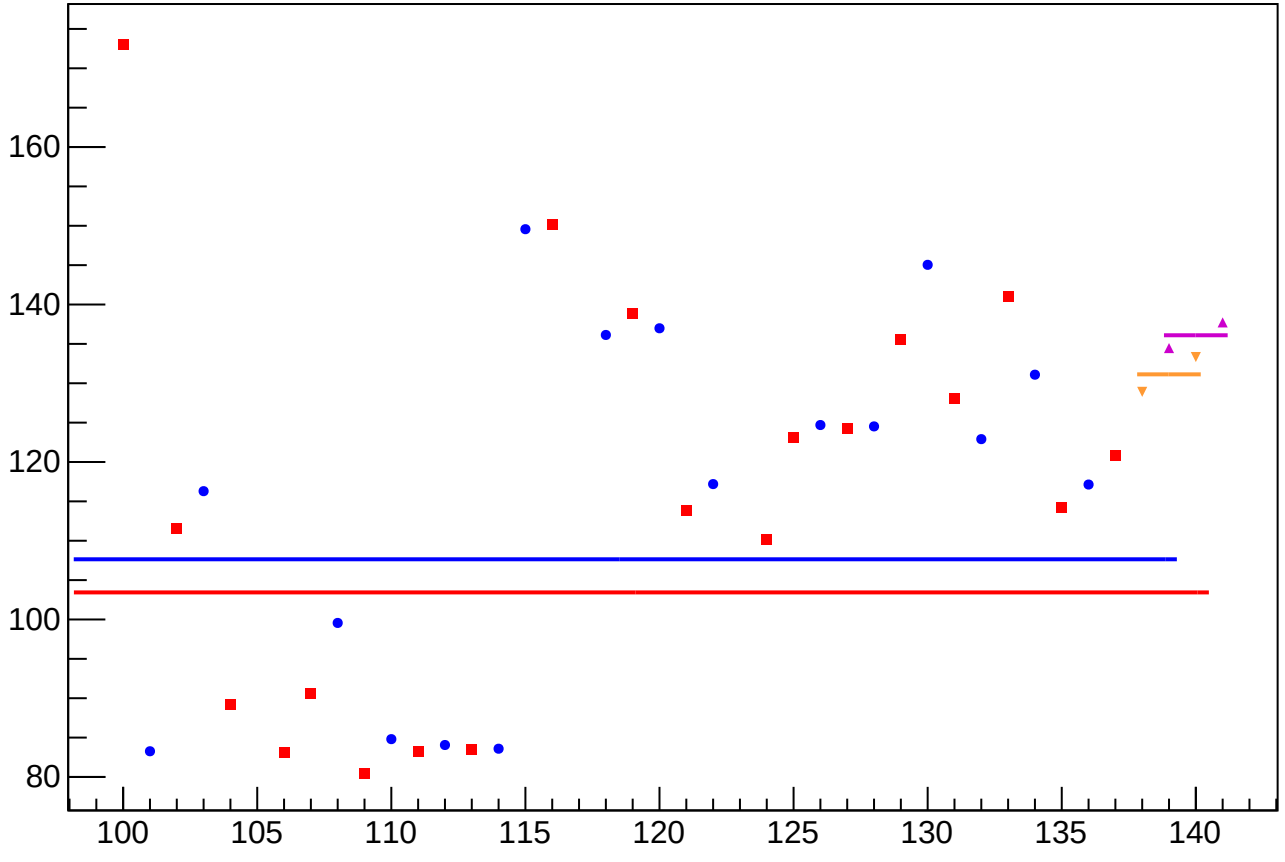
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: -29.035+/-38.067 χ^2/NDF:40.7/17

Out: 58.515+/-36.424 χ^2/NDF:38.5/20

All: 16.671+/-26.317 χ^2/NDF: 82.0/38

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 131.131+/-0.073 χ^2/NDF:919.8/1

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 136.096+/-0.073 χ^2/NDF:496.2/1

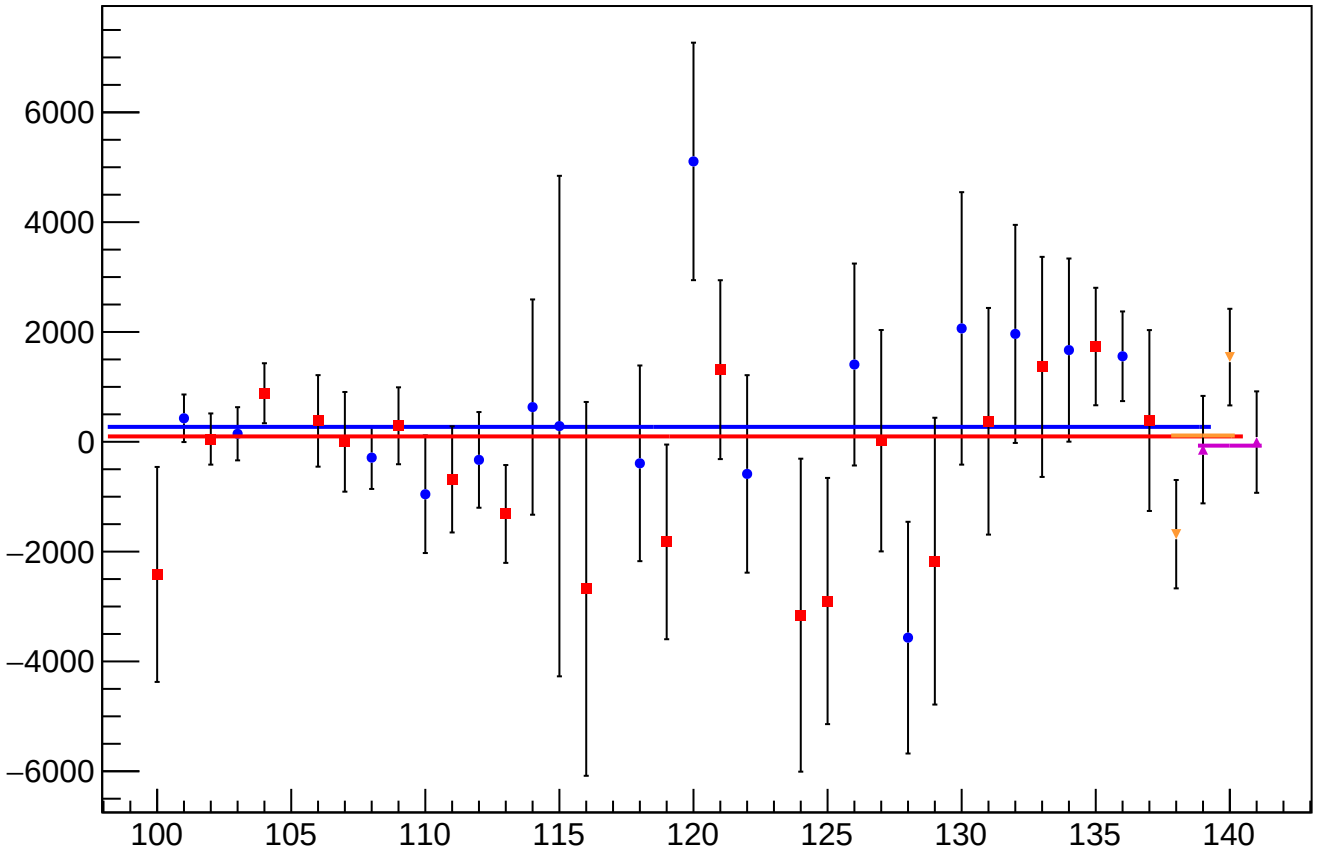
Left: 133.603+/-0.052 χ^2/NDF: 3726.5/3

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 111.494+/-0.027 χ^2/NDF:664033.5/17

Out: 106.897+/-0.026 χ^2/NDF:752053.9/20

All: 109.094+/-0.019 χ^2/NDF: 1431312.5/38



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 114.458+/-656.748 χ^2/NDF:5.9/1

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -70.098+/-671.776 χ^2/NDF:0.0/1

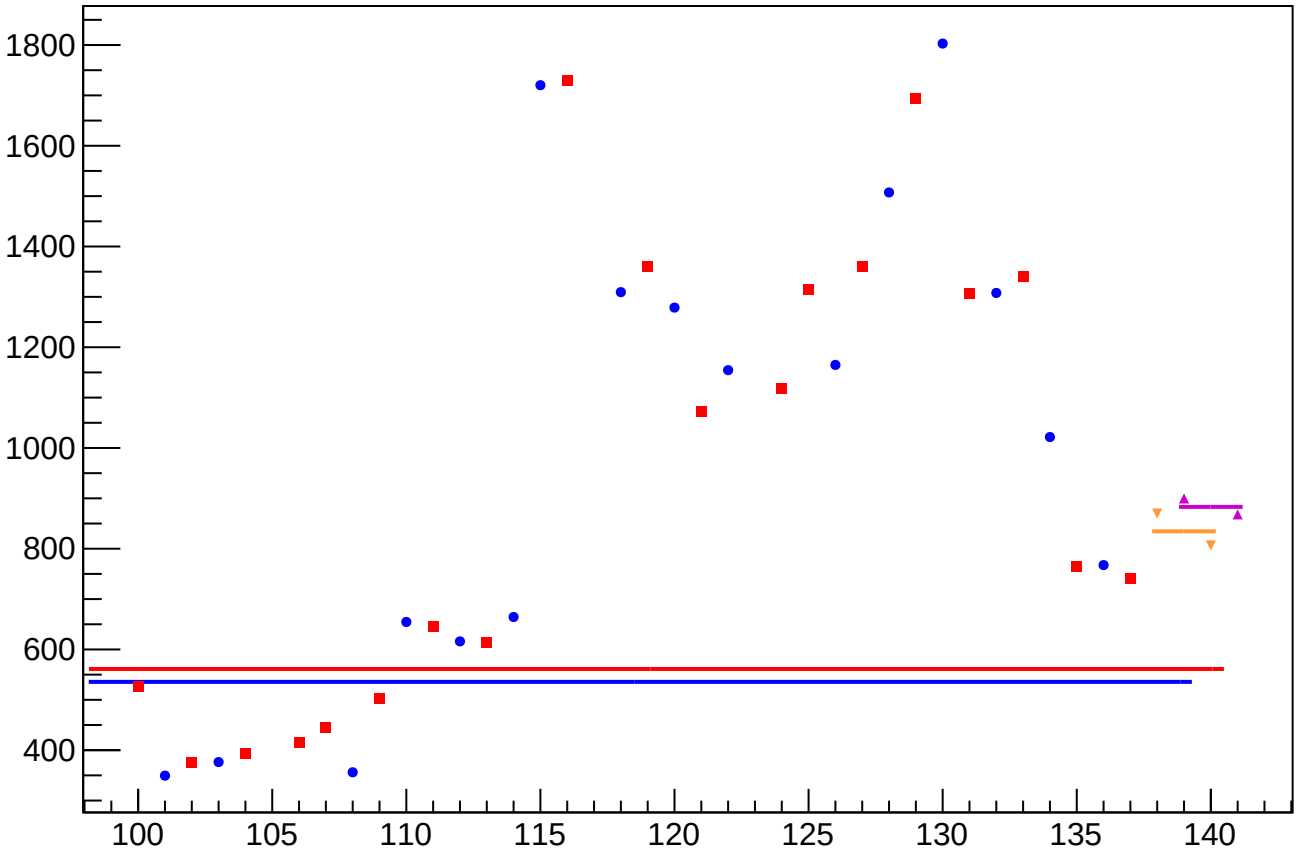
Left: 24.268+/-469.614 χ^2/NDF: 6.0/3

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 235.606+/-218.154 χ^2/NDF:16.7/17

Out: 99.701+/-219.407 χ^2/NDF:22.1/20

All: 168.042+/-154.699 χ^2/NDF: 39.0/38



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 834.530+/-0.464 χ^2/NDF:4586.8/1

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 883.069+/-0.475 χ^2/NDF:1106.0/1

Left: 858.251+/-0.332 χ^2/NDF: 11031.5/3

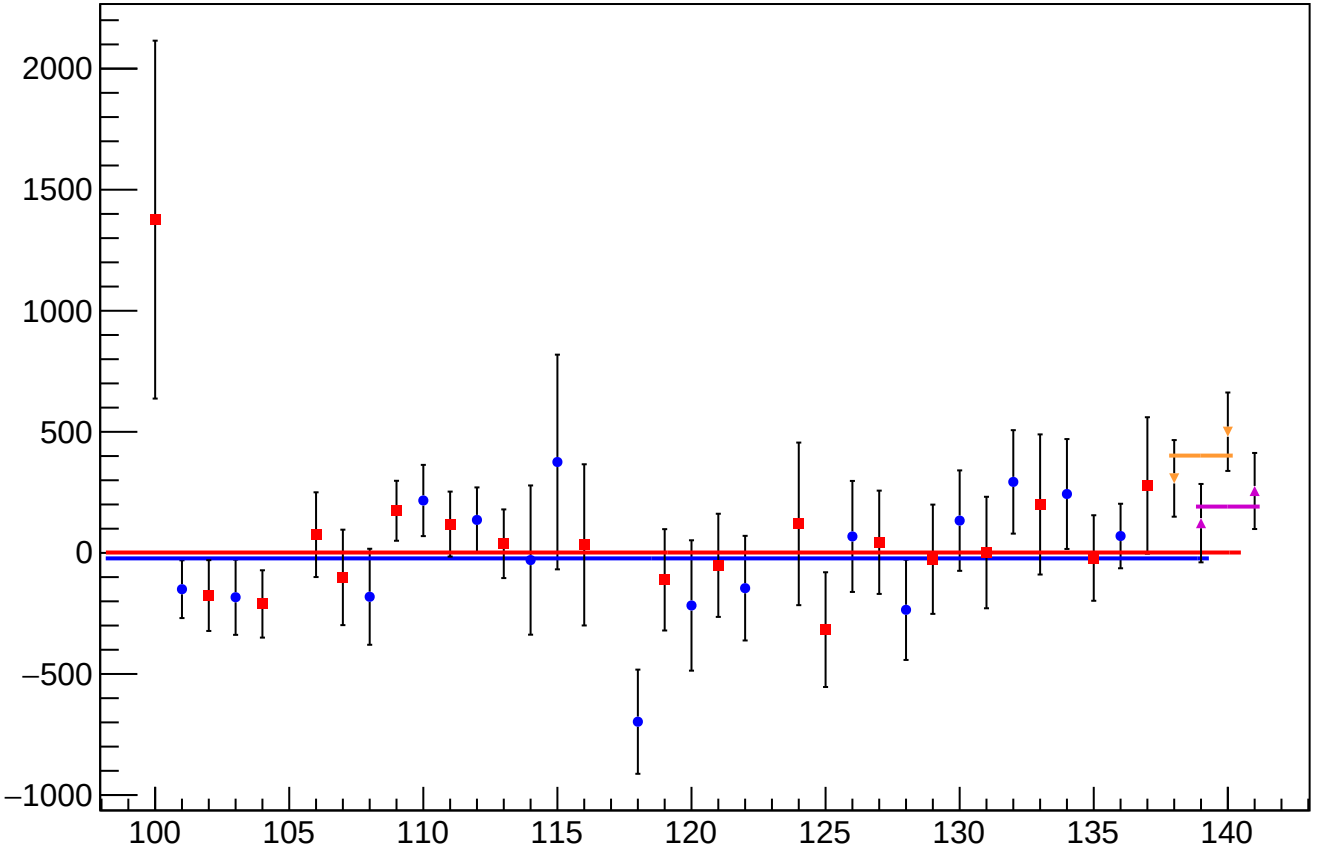
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 572.298+/-0.154 χ^2/NDF:4112173.3/17

Out: 591.768+/-0.155 χ^2/NDF:3442950.9/20

All: 581.978+/-0.109 χ^2/NDF: 7563043.7/38

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 401.913+/-113.166 χ^2/NDF:0.7/1

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 191.303+/-112.719 χ^2/NDF:0.3/1

Left: 296.191+/-79.862 χ^2/NDF: 2.8/3

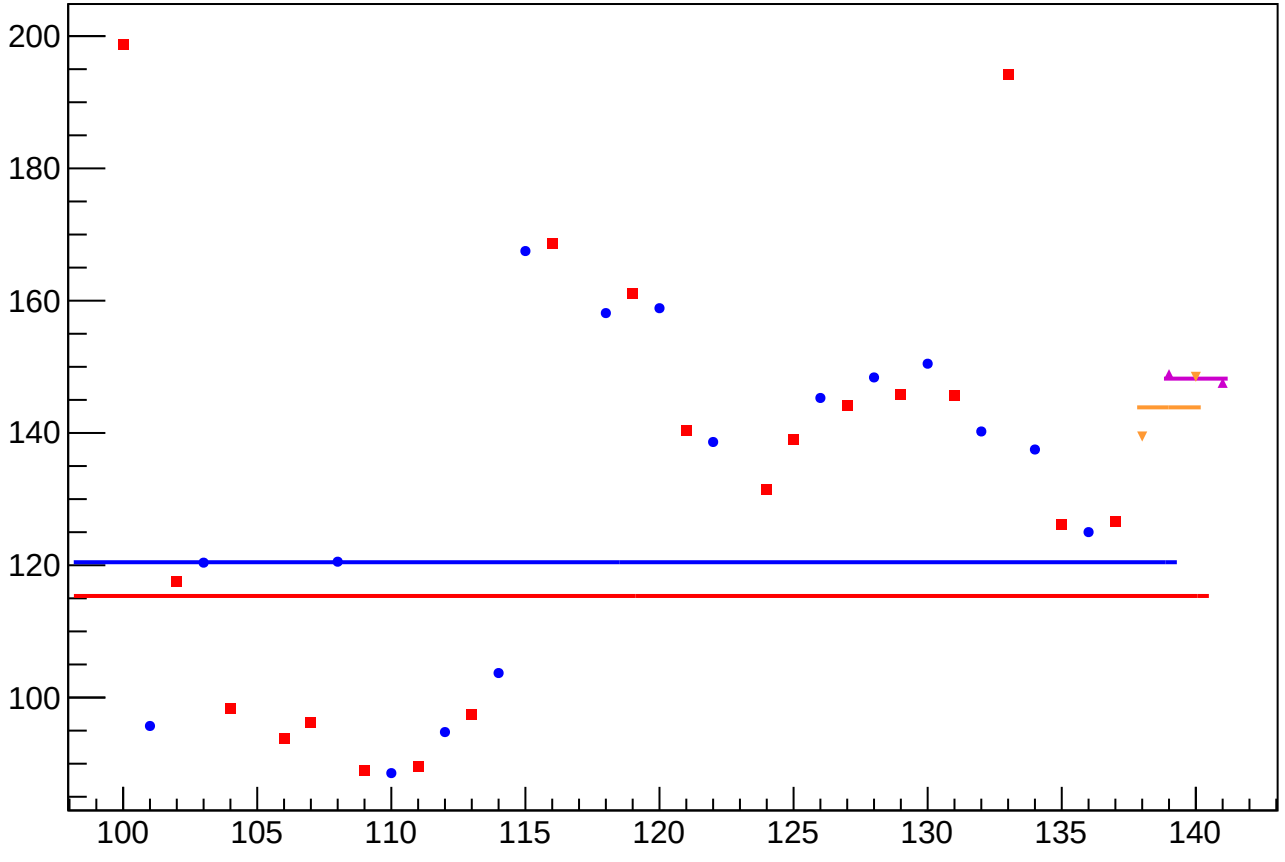
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 7.767+/-42.517 χ^2/NDF:27.6/17

Out: 53.264+/-40.655 χ^2/NDF:25.9/20

All: 31.534+/-29.384 χ^2/NDF: 54.1/38

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 143.872+/-0.080 χ^2/NDF:3178.7/1

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 148.215+/-0.080 χ^2/NDF:67.7/1

Left: 146.052+/-0.056 χ^2/NDF: 4725.3/3

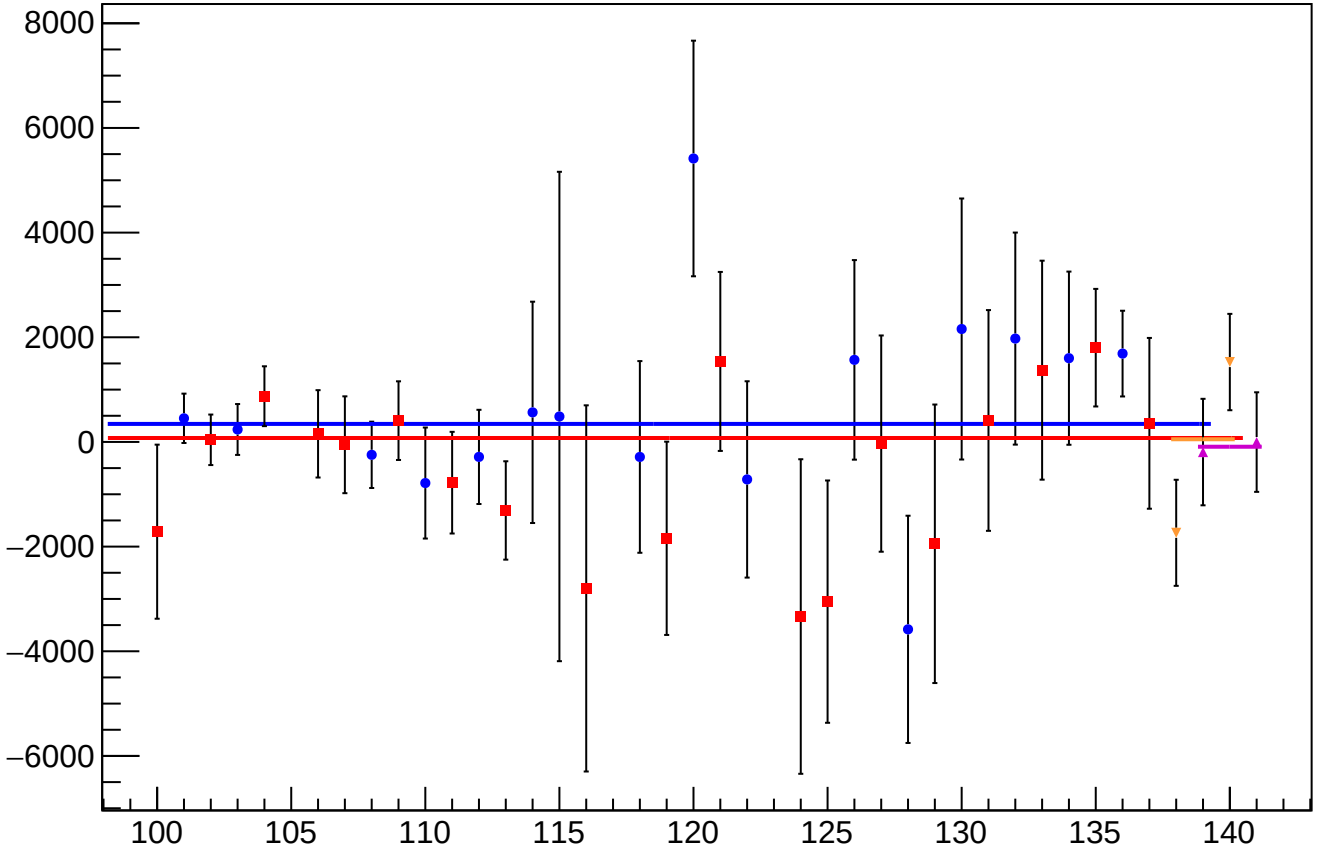
Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 124.407+/-0.030 χ^2/NDF:634420.2/17

Out: 119.037+/-0.029 χ^2/NDF:881007.4/20

All: 121.602+/-0.021 χ^2/NDF: 1532096.2/38

asym_sam6_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 51.463+/-681.434 χ^2/NDF:5.7/1

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: -91.631+/-694.869 χ^2/NDF:0.0/1

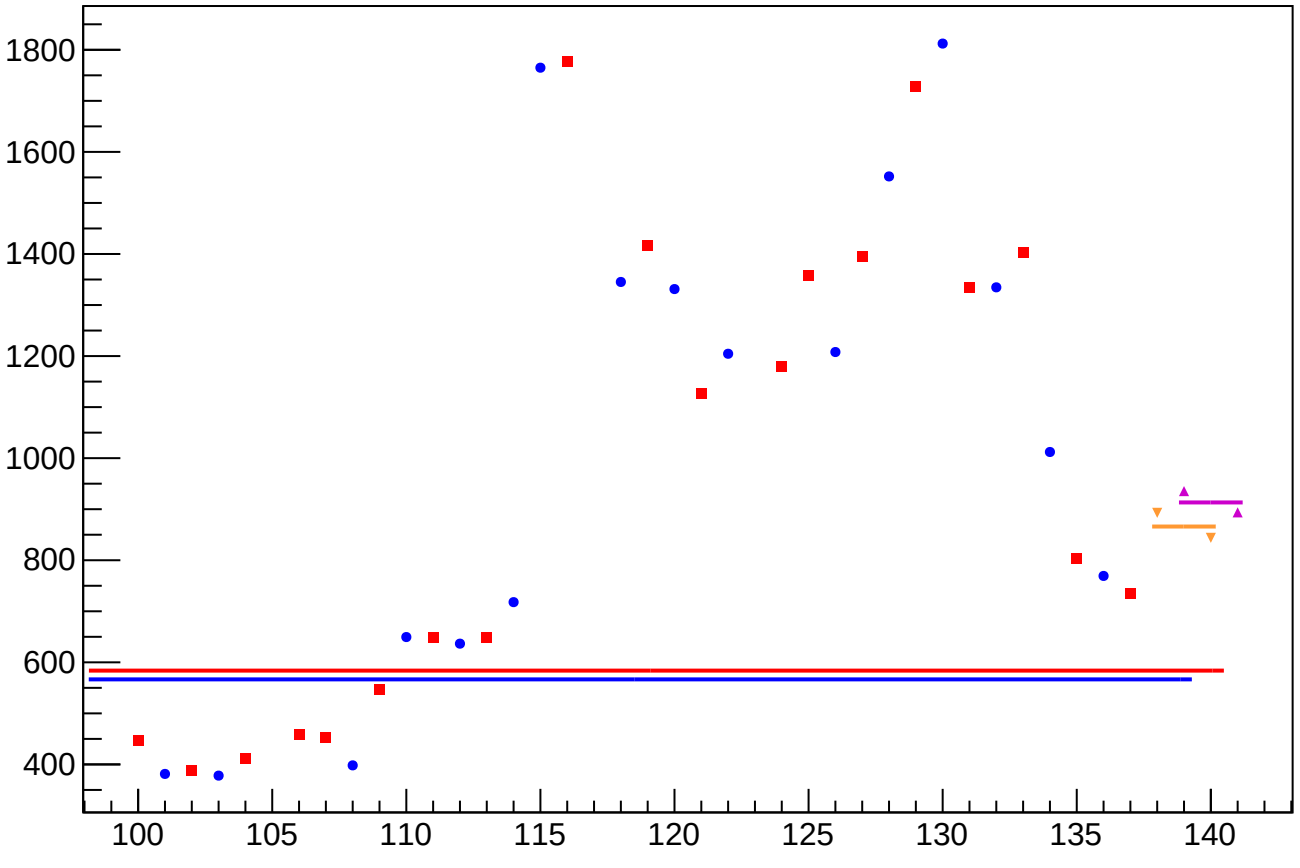
Left: -18.687+/-486.527 χ^2/NDF: 5.7/3

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 297.430+/-228.142 χ^2/NDF:16.6/17

Out: 72.779+/-226.772 χ^2/NDF:20.9/20

All: 184.428+/-160.834 χ^2/NDF: 38.0/38



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 866.050+/-0.482 χ^2/NDF:2560.0/1

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 913.243+/-0.491 χ^2/NDF:1787.5/1

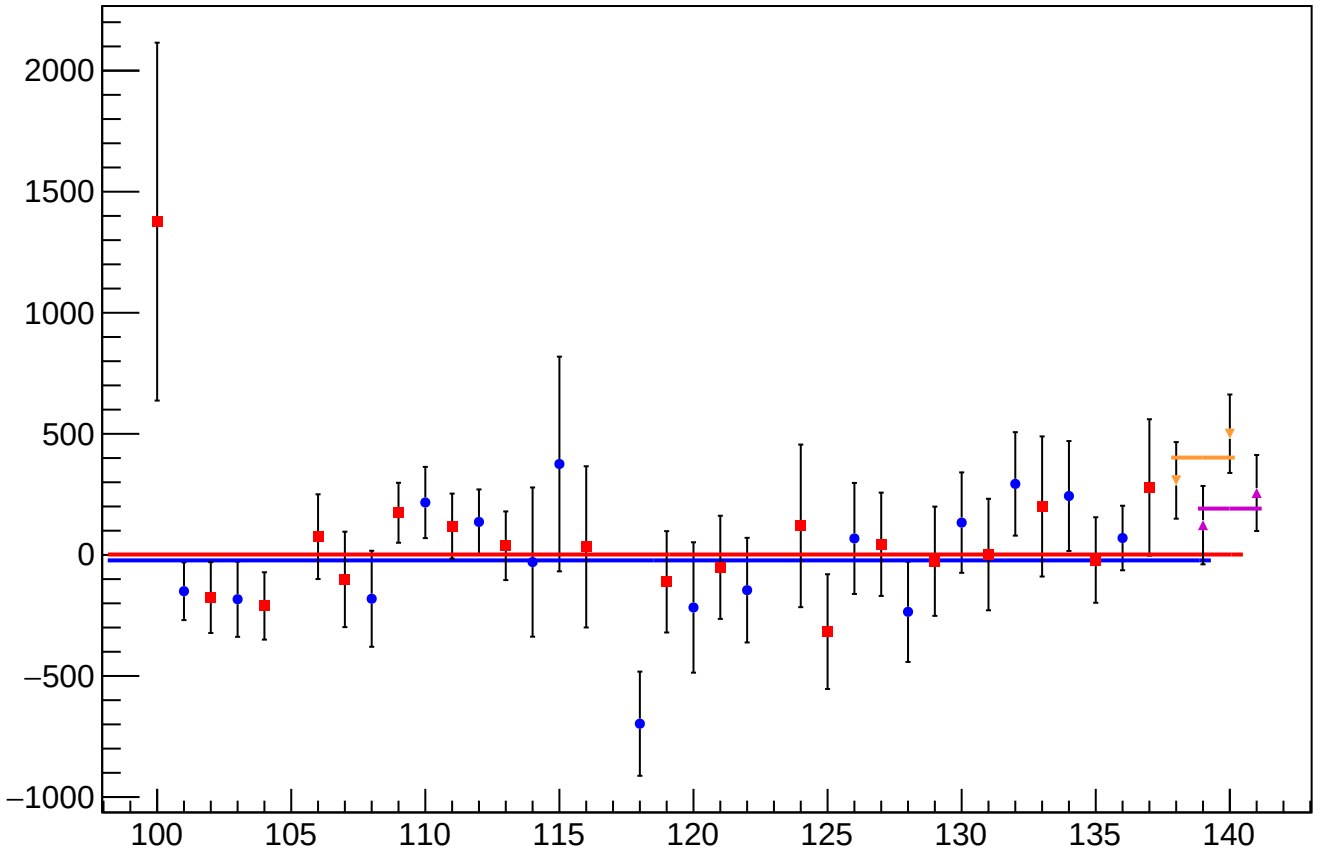
Left: 889.186+/-0.344 χ^2/NDF: 9050.2/3

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 603.970+/-0.161 χ^2/NDF:3878290.9/17

Out: 615.053+/-0.160 χ^2/NDF:3415210.7/20

All: 609.545+/-0.114 χ^2/NDF: 7295875.8/38



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 401.914+/-113.166 χ^2/NDF:0.7/1

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 191.301+/-112.719 χ^2/NDF:0.3/1

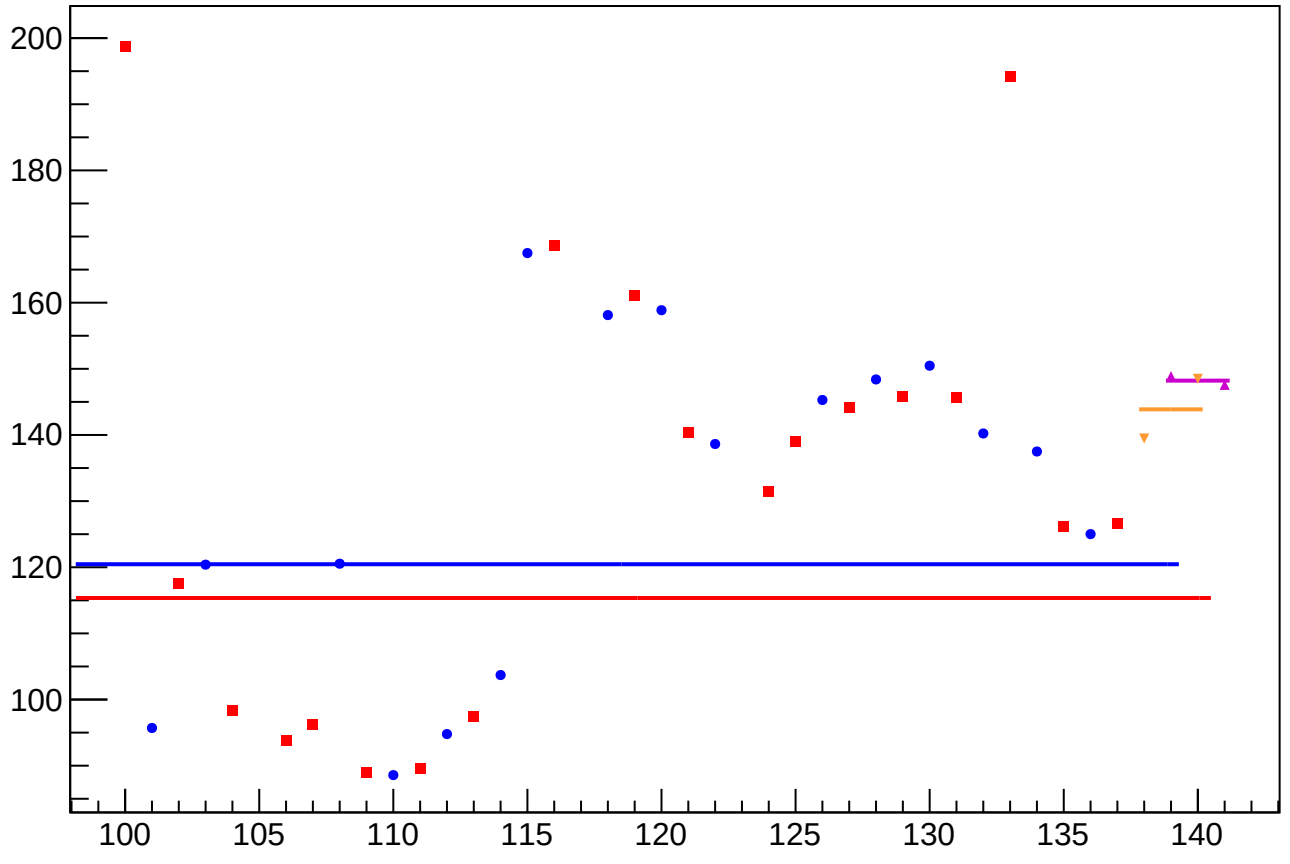
Left: 296.191+/-79.862 χ^2/NDF: 2.8/3

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 7.765+/-42.517 χ^2/NDF:27.6/17

Out: 53.266+/-40.655 χ^2/NDF:25.9/20

All: 31.534+/-29.384 χ^2/NDF: 54.1/38



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 143.871+/-0.080 χ^2/NDF:3178.4/1

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 148.215+/-0.080 χ^2/NDF:67.7/1

Left: 146.052+/-0.056 χ^2/NDF: 4725.1/3

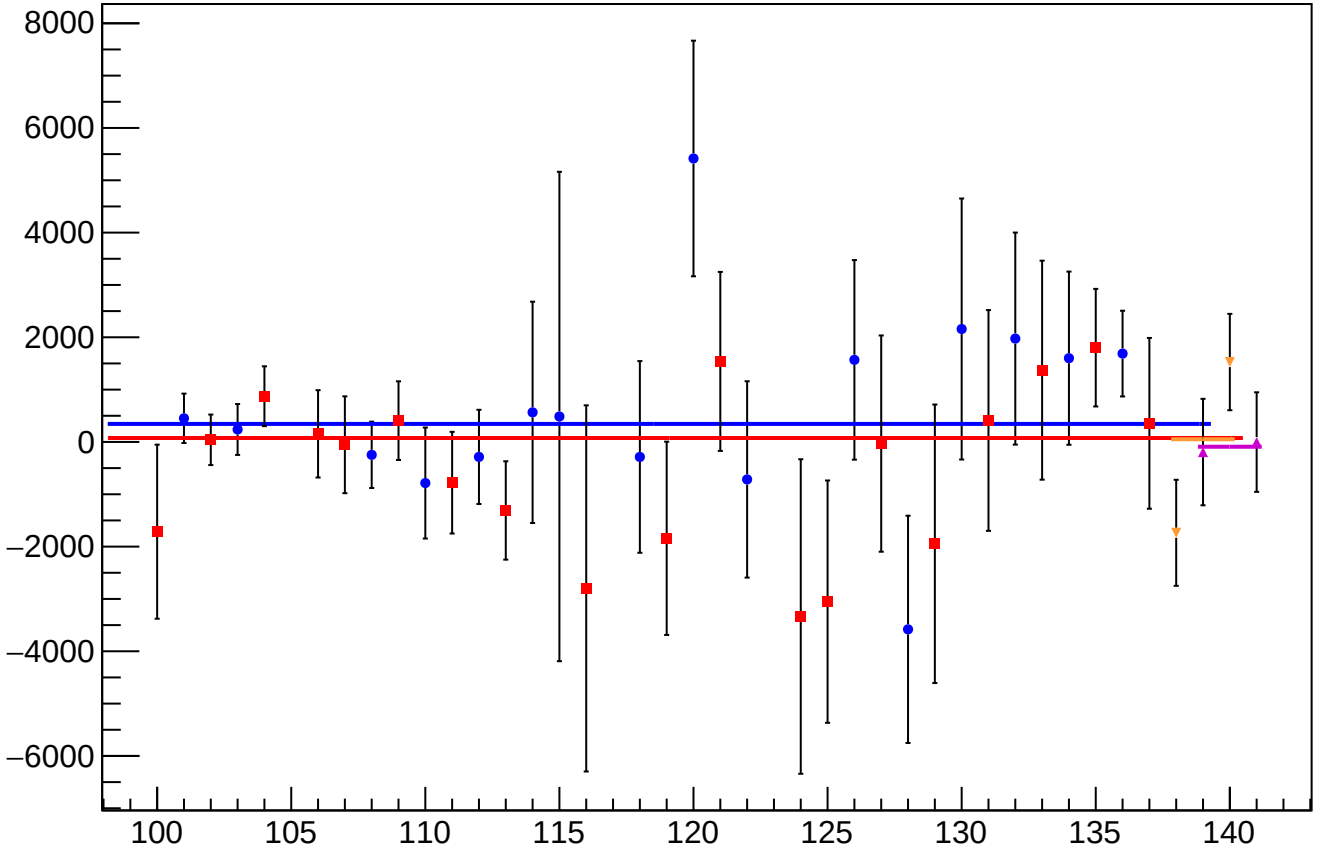
Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 124.407+/-0.030 χ^2/NDF:634424.4/17

Out: 119.037+/-0.029 χ^2/NDF:881006.3/20

All: 121.602+/-0.021 χ^2/NDF: 1532098.9/38

asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 51.468+/-681.433 χ^2/NDF:5.7/1

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: -91.632+/-694.868 χ^2/NDF:0.0/1

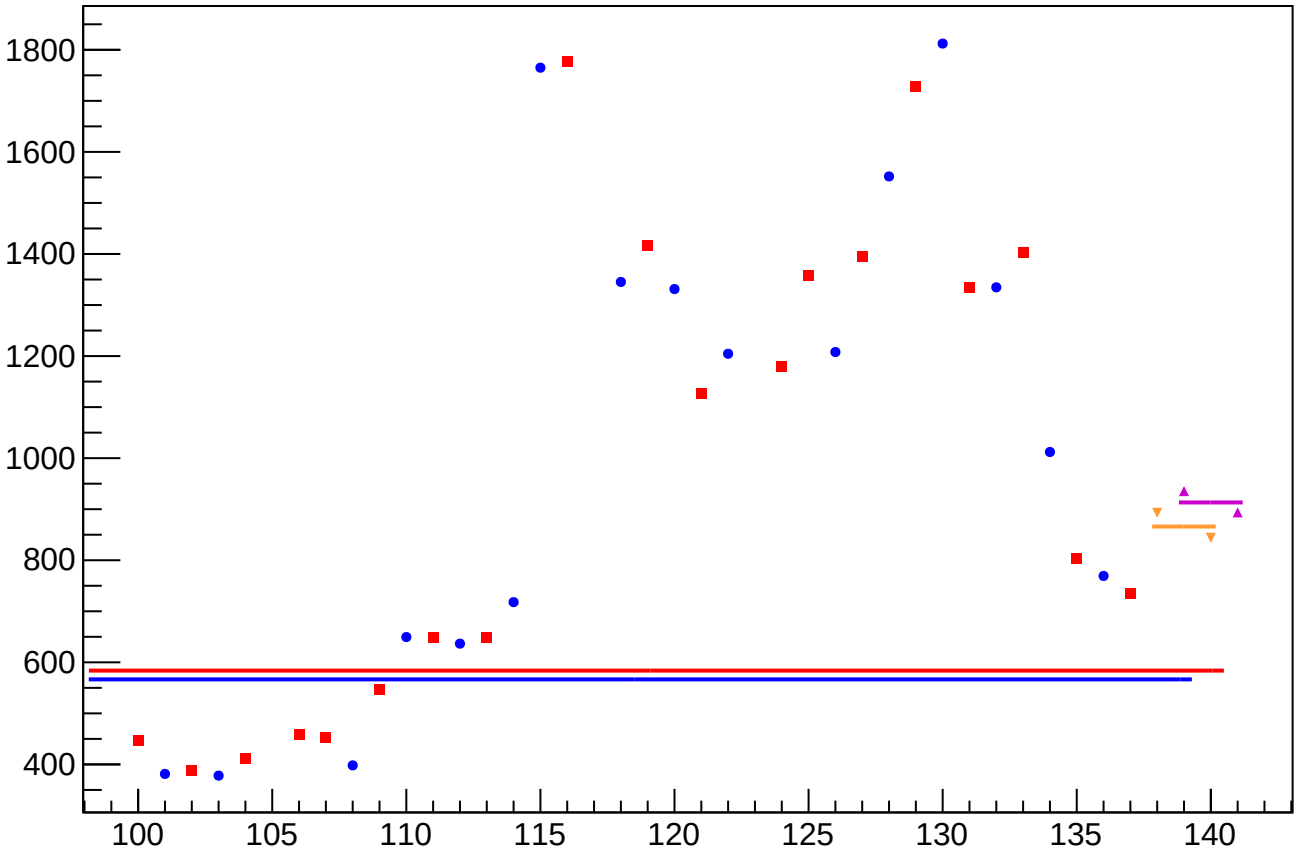
Left: -18.685+/-486.527 χ^2/NDF: 5.7/3

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 297.429+/-228.142 χ^2/NDF:16.6/17

Out: 72.781+/-226.772 χ^2/NDF:20.9/20

All: 184.429+/-160.834 χ^2/NDF: 38.0/38



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 866.049+/-0.482 χ^2/NDF:2560.2/1

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 913.242+/-0.491 χ^2/NDF:1787.7/1

Left: 889.185+/-0.344 χ^2/NDF: 9050.6/3

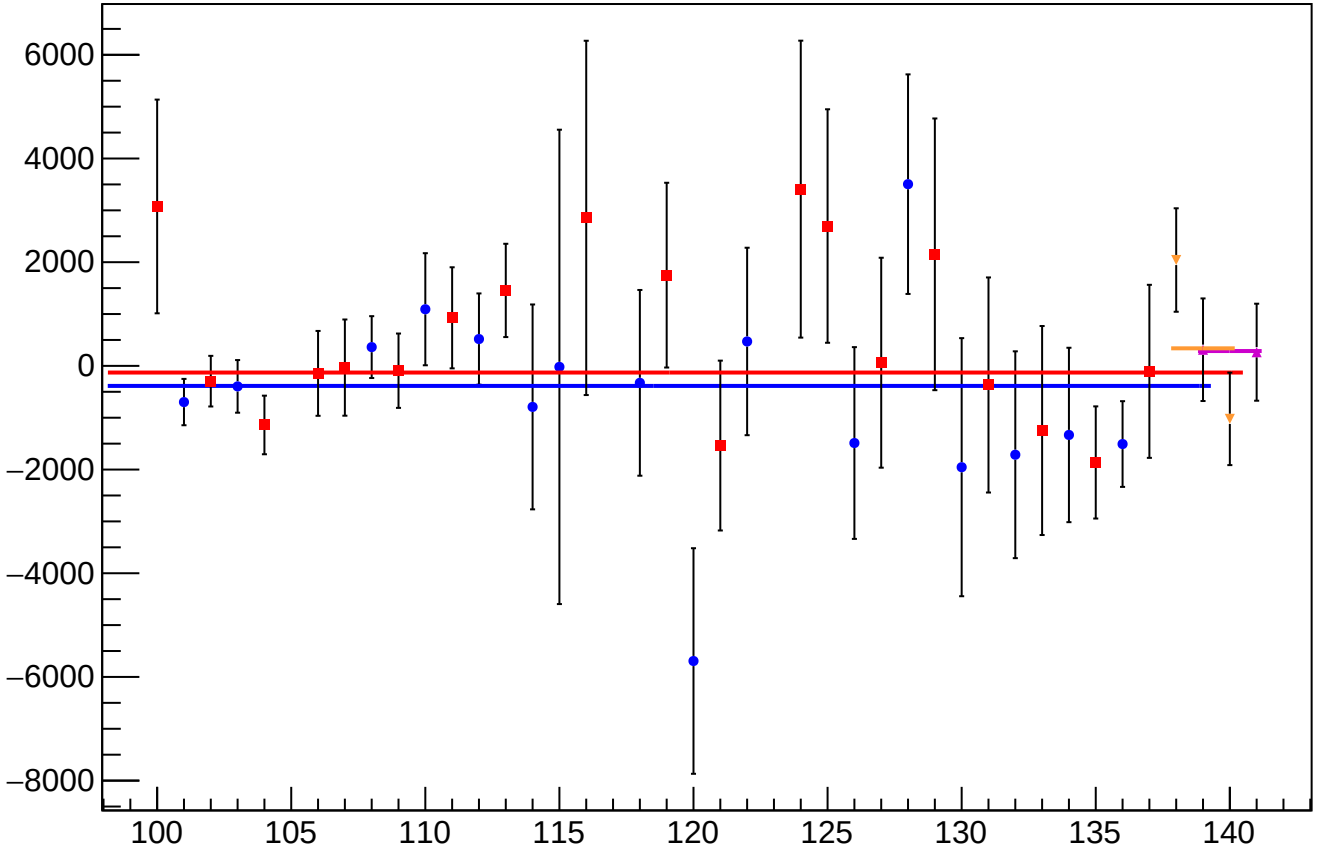
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 603.969+/-0.161 χ^2/NDF:3878295.9/17

Out: 615.053+/-0.160 χ^2/NDF:3415210.7/20

All: 609.544+/-0.114 χ^2/NDF: 7295880.9/38

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 338.502+/-664.963 χ^2/NDF:5.2/1

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 286.281+/-679.800 χ^2/NDF:0.0/1

Left: 312.967+/-475.359 χ^2/NDF: 5.2/3

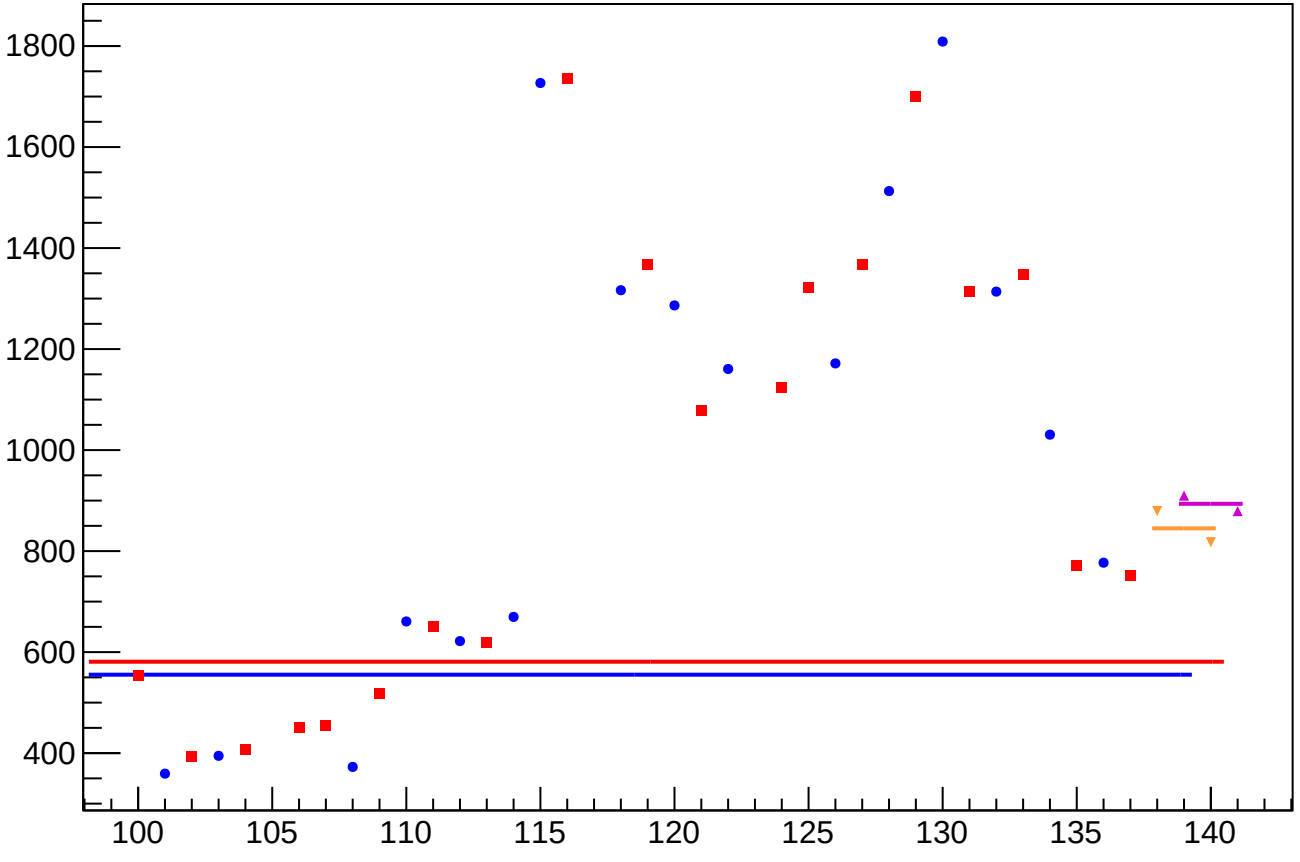
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -313.321+/-224.231 χ^2/NDF:18.8/17

Out: -75.448+/-224.281 χ^2/NDF:25.1/20

All: -194.410+/-158.573 χ^2/NDF: 44.4/38

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 845.052+/-0.470 χ^2/NDF:4270.0/1

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 893.658+/-0.481 χ^2/NDF:1017.2/1

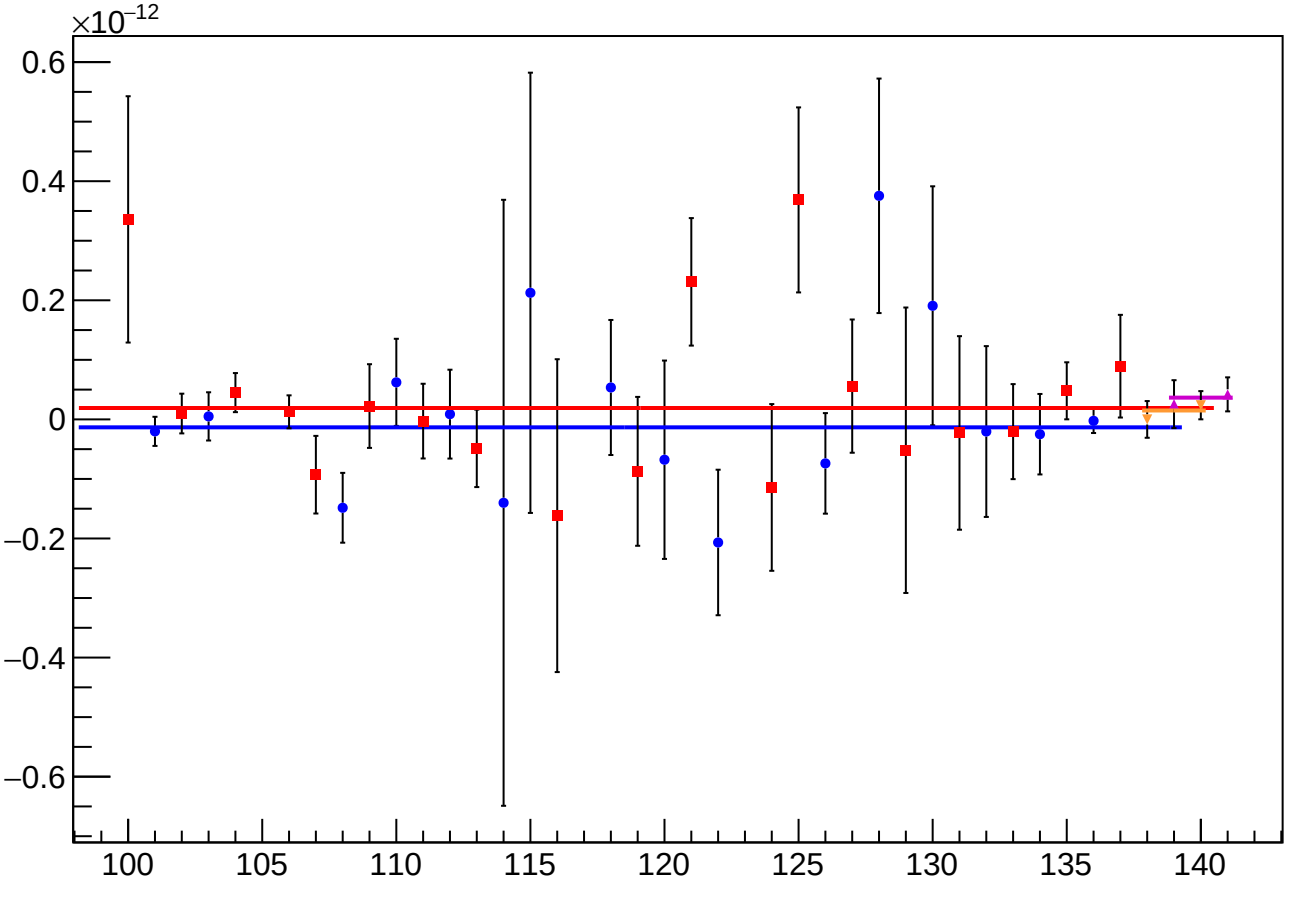
Left: 868.819+/-0.336 χ^2/NDF: 10512.3/3

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 592.106+/-0.159 χ^2/NDF:3925135.7/17

Out: 611.035+/-0.159 χ^2/NDF:3267330.2/20

All: 601.568+/-0.112 χ^2/NDF: 7199590.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

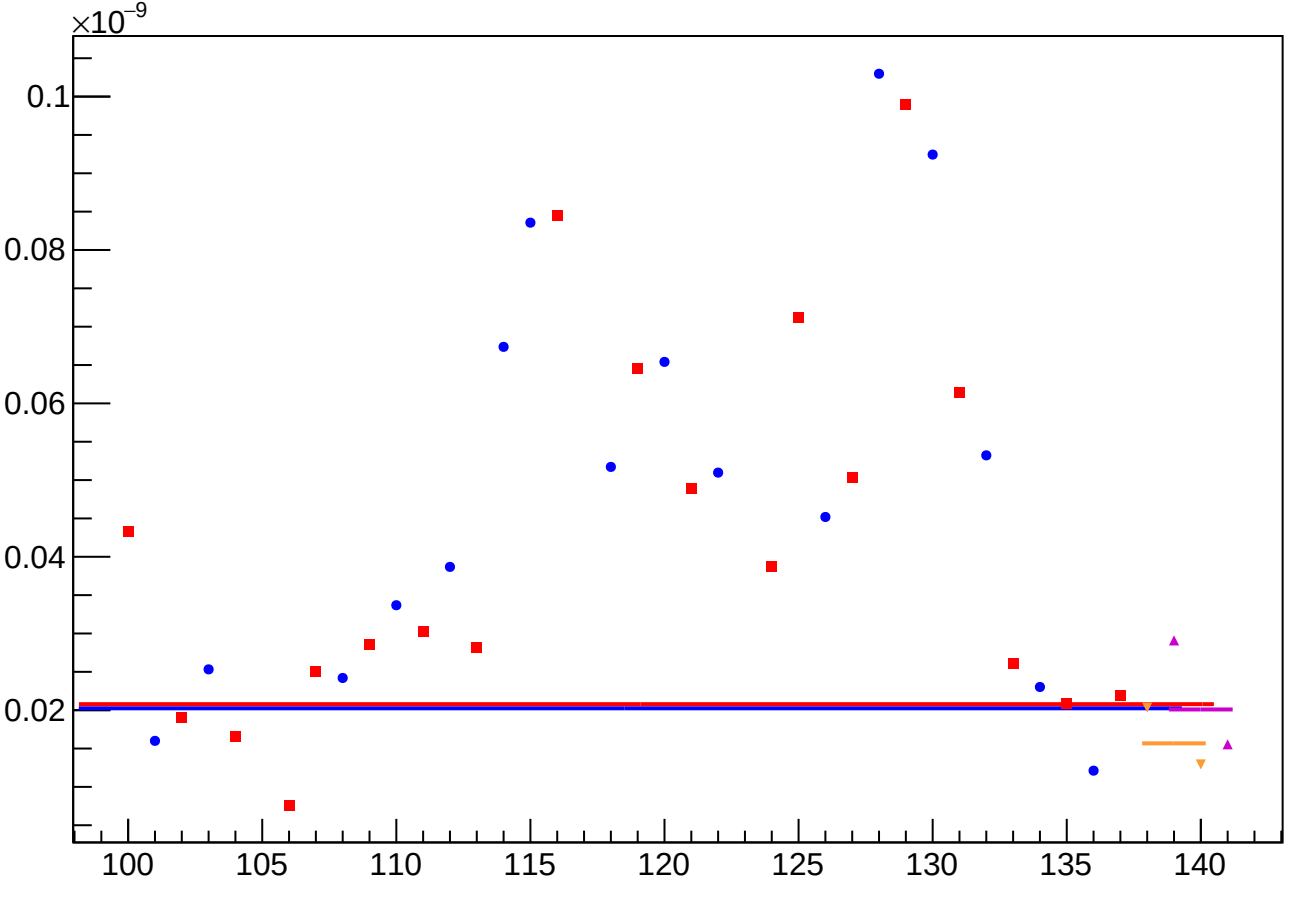
Left: 0.000+/-0.000 χ^2/NDF: 1.0/3

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:19.5/17

Out: 0.000+/-0.000 χ^2/NDF:20.3/20

All: 0.000+/-0.000 χ^2/NDF: 41.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:72751.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:150817.2/1

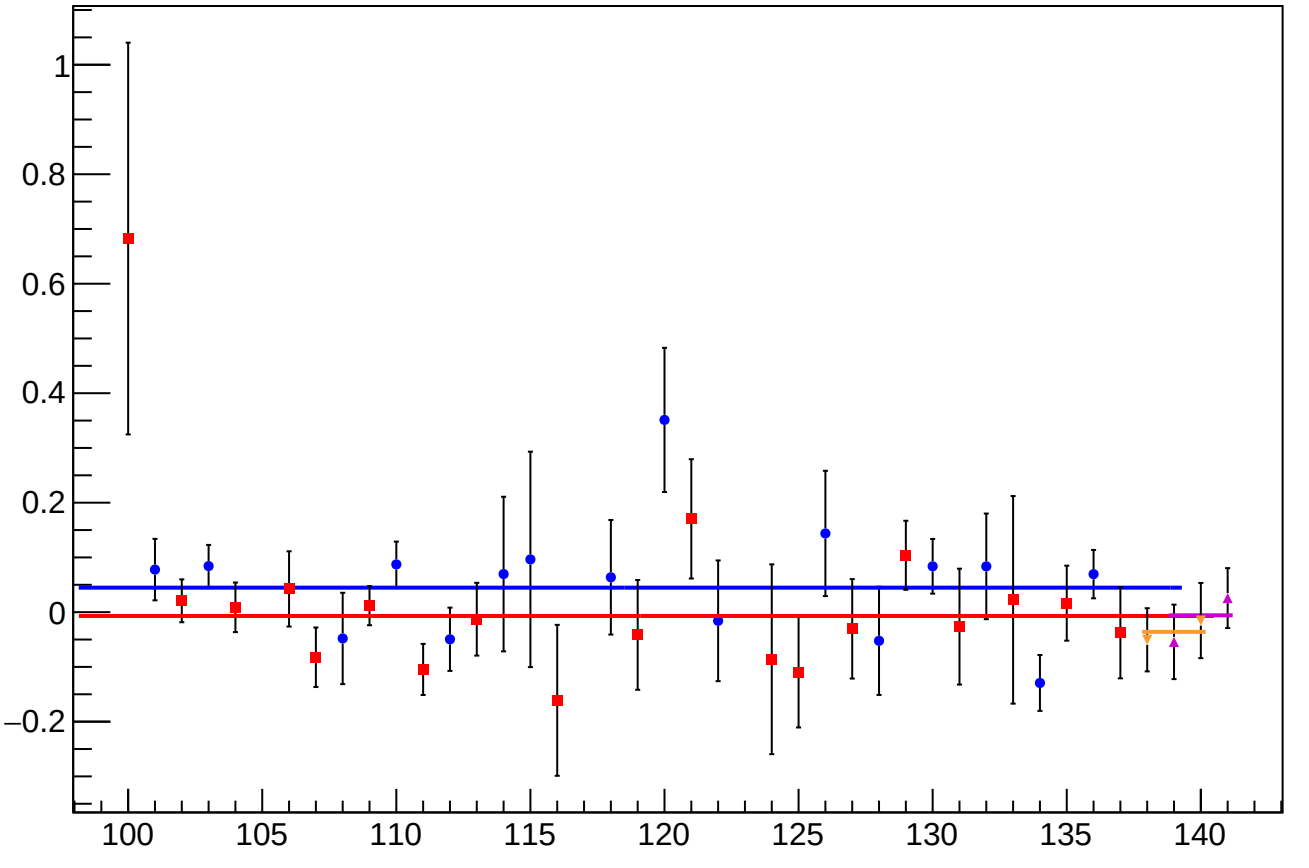
Left: 0.000+/-0.000 χ^2/NDF: 267200.9/3

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2155559.3/17

Out: 0.000+/-0.000 χ^2/NDF:2024492.7/20

All: 0.000+/-0.000 χ^2/NDF: 4191957.3/38



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.036+/-0.044 χ^2/NDF:0.2/1

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.006+/-0.043 χ^2/NDF:0.8/1

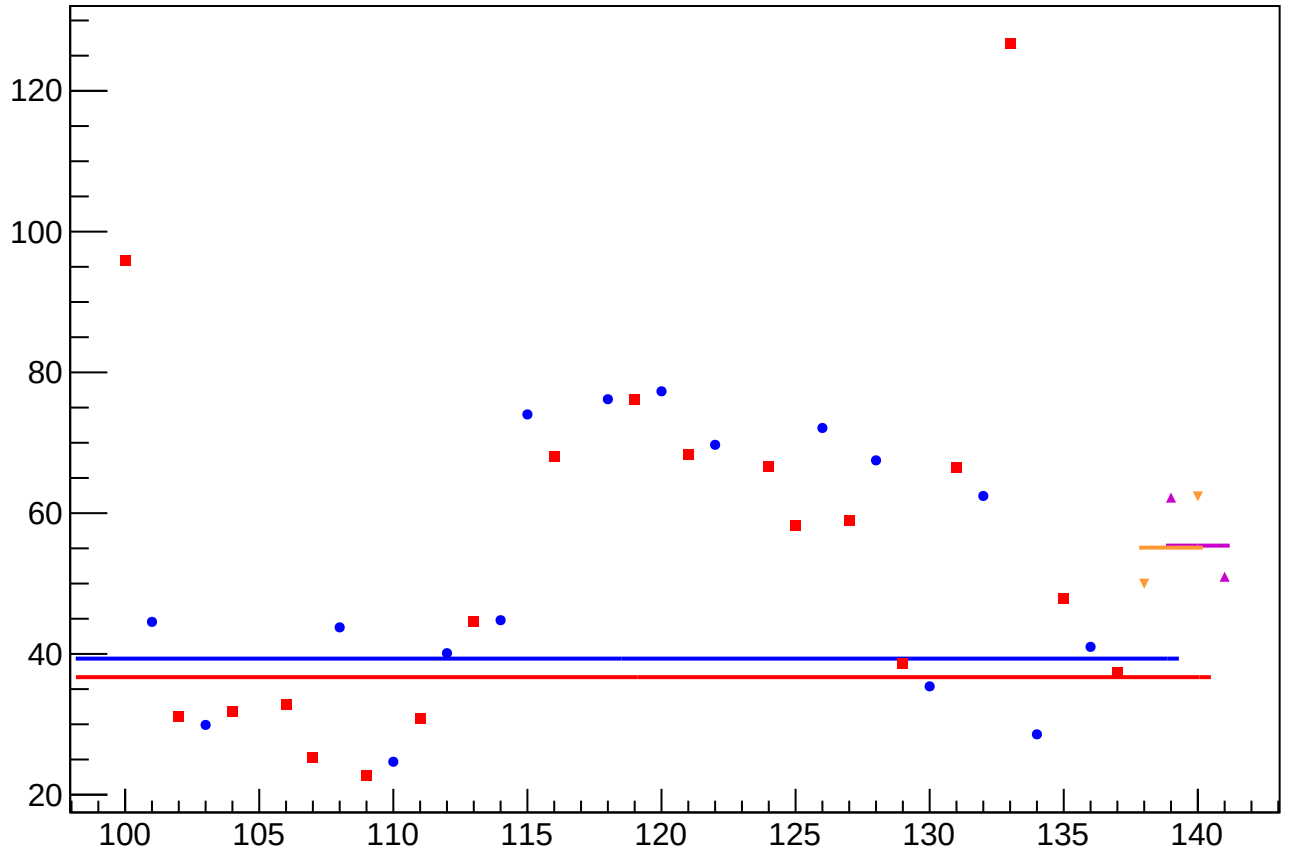
Left: -0.020+/-0.031 χ^2/NDF: 1.2/3

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.015 χ^2/NDF:28.7/17

Out: -0.010+/-0.014 χ^2/NDF:20.7/20

All: 0.013+/-0.010 χ^2/NDF: 54.9/38



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 55.105+/-0.031 χ^2/NDF:38191.9/1

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.388+/-0.030 χ^2/NDF:33165.1/1

Left: 55.251+/-0.022 χ^2/NDF: 71399.7/3

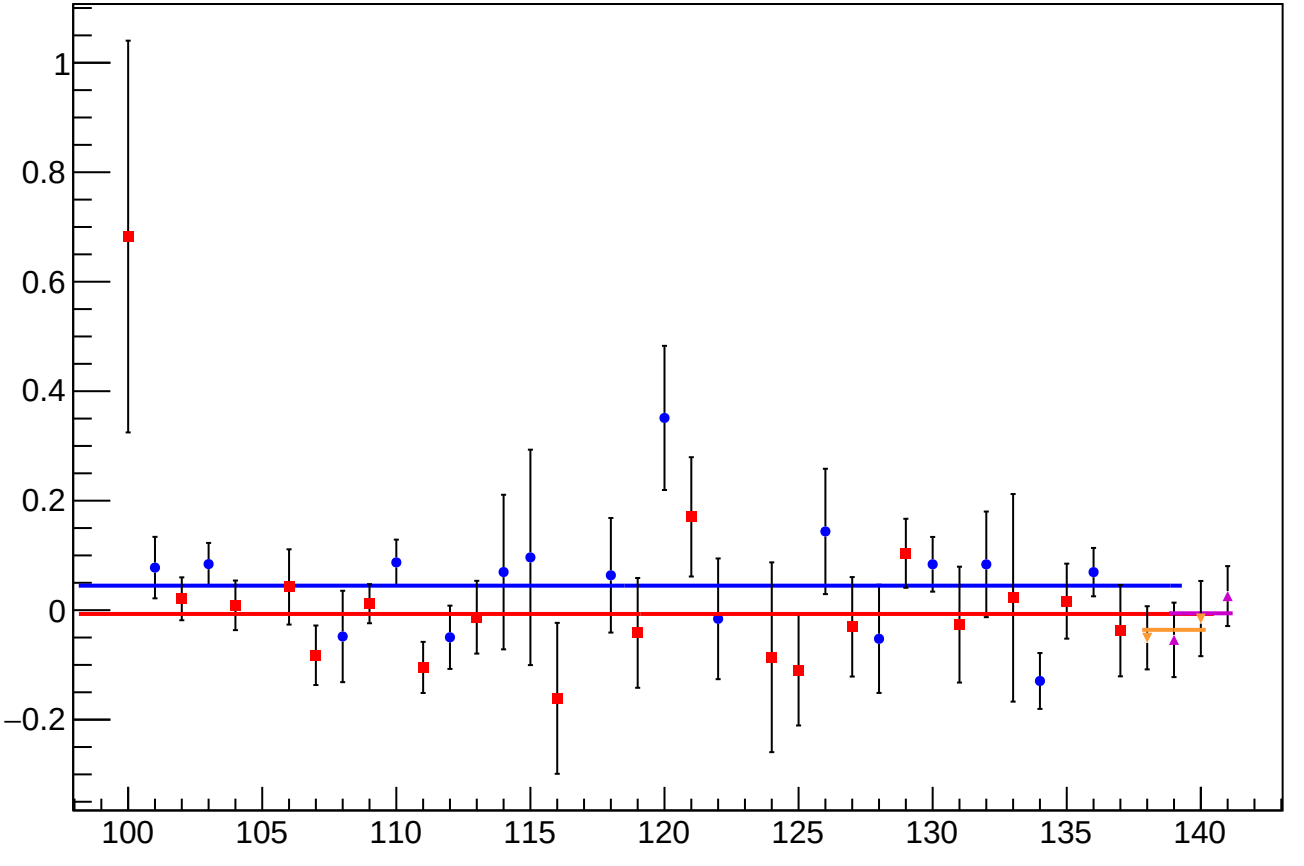
Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 41.320+/-0.011 χ^2/NDF:1848019.2/17

Out: 38.627+/-0.010 χ^2/NDF:2445663.9/20

All: 39.909+/-0.007 χ^2/NDF: 4327458.6/38

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.036+/-0.044 χ^2/NDF:0.2/1

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.006+/-0.043 χ^2/NDF:0.8/1

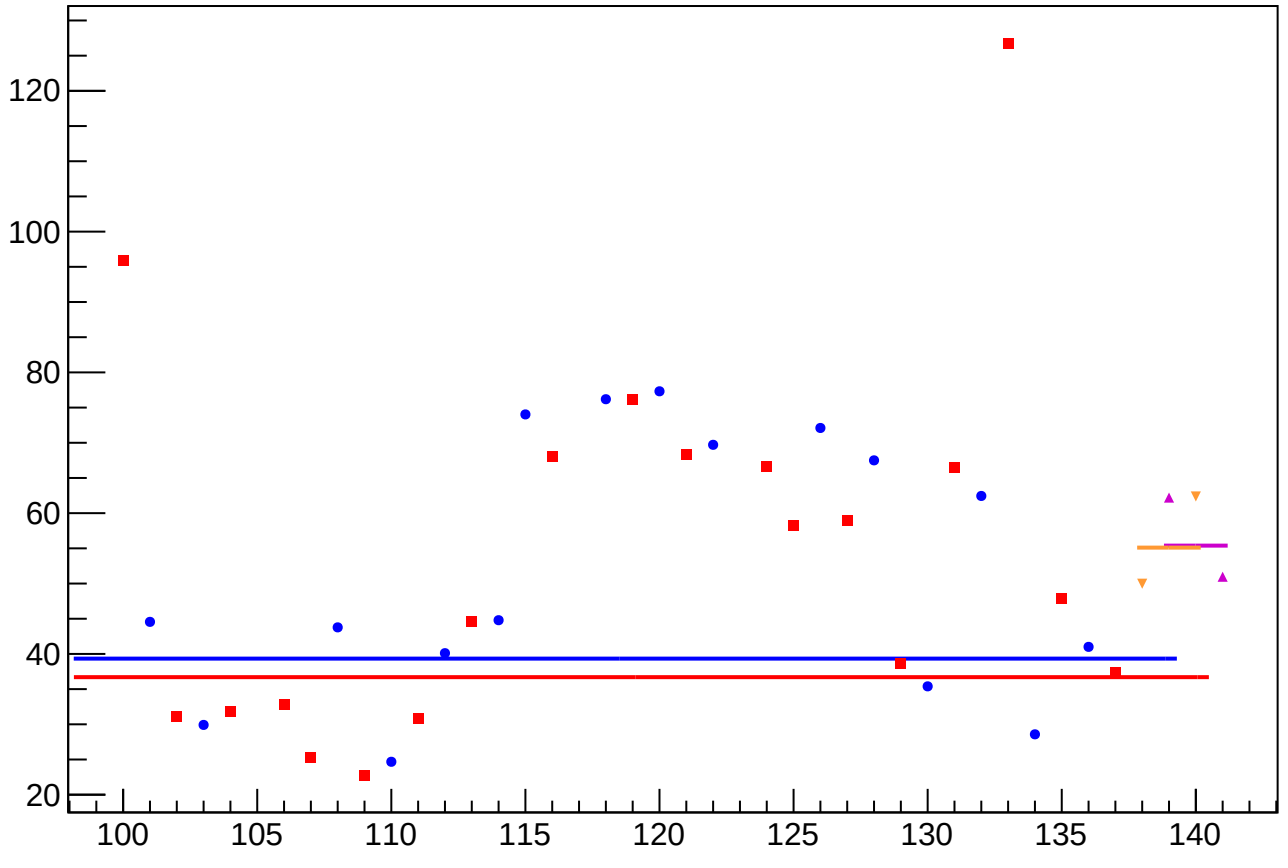
Left: -0.020+/-0.031 χ^2/NDF: 1.2/3

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.015 χ^2/NDF:28.7/17

Out: -0.010+/-0.014 χ^2/NDF:20.7/20

All: 0.013+/-0.010 χ^2/NDF: 54.9/38



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 55.105+/-0.031 χ^2/NDF:38191.9/1

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.388+/-0.030 χ^2/NDF:33165.1/1

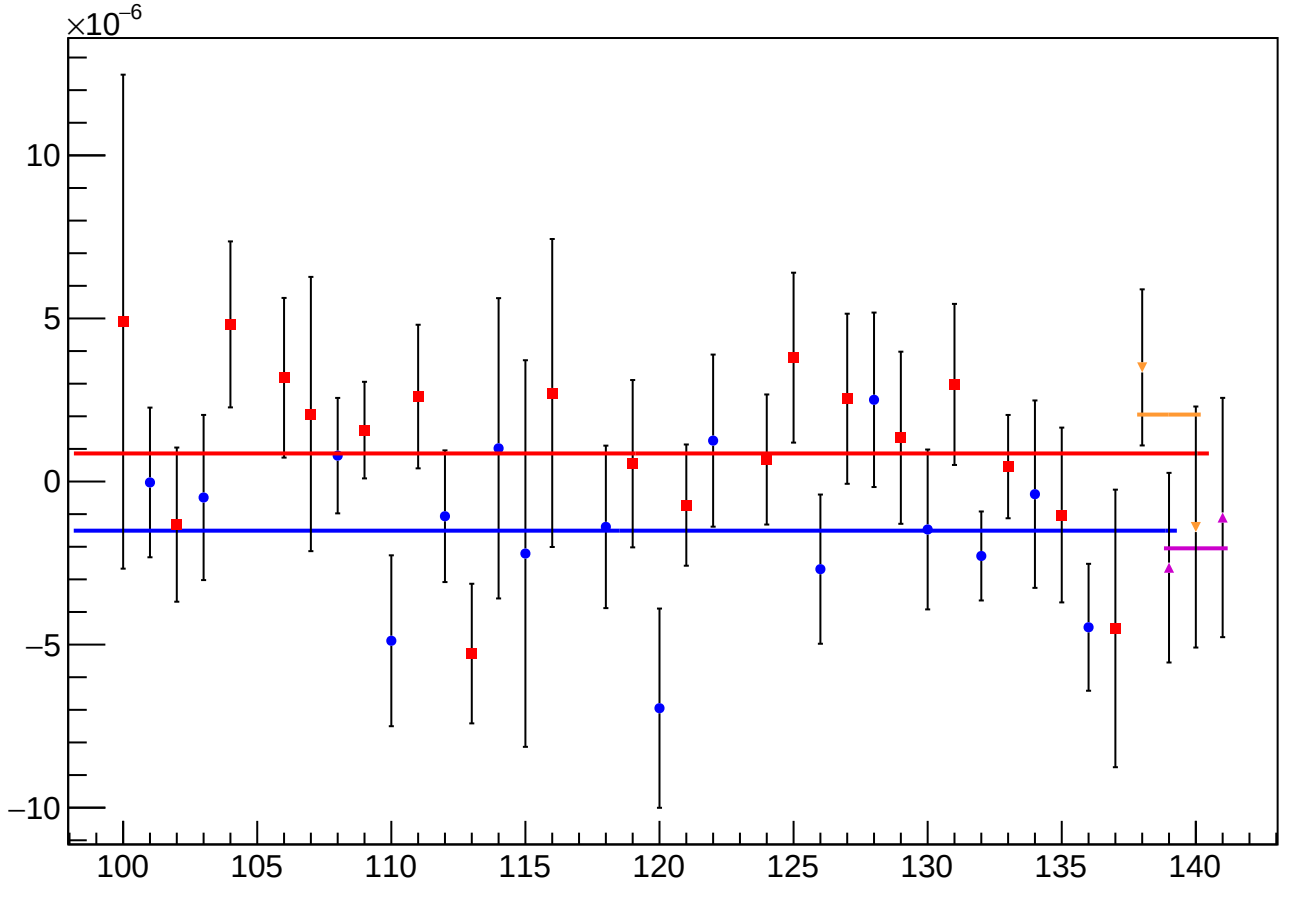
Left: 55.251+/-0.022 χ^2/NDF: 71399.7/3

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 41.320+/-0.011 χ^2/NDF:1848019.2/17

Out: 38.627+/-0.010 χ^2/NDF:2445663.9/20

All: 39.909+/-0.007 χ^2/NDF: 4327458.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

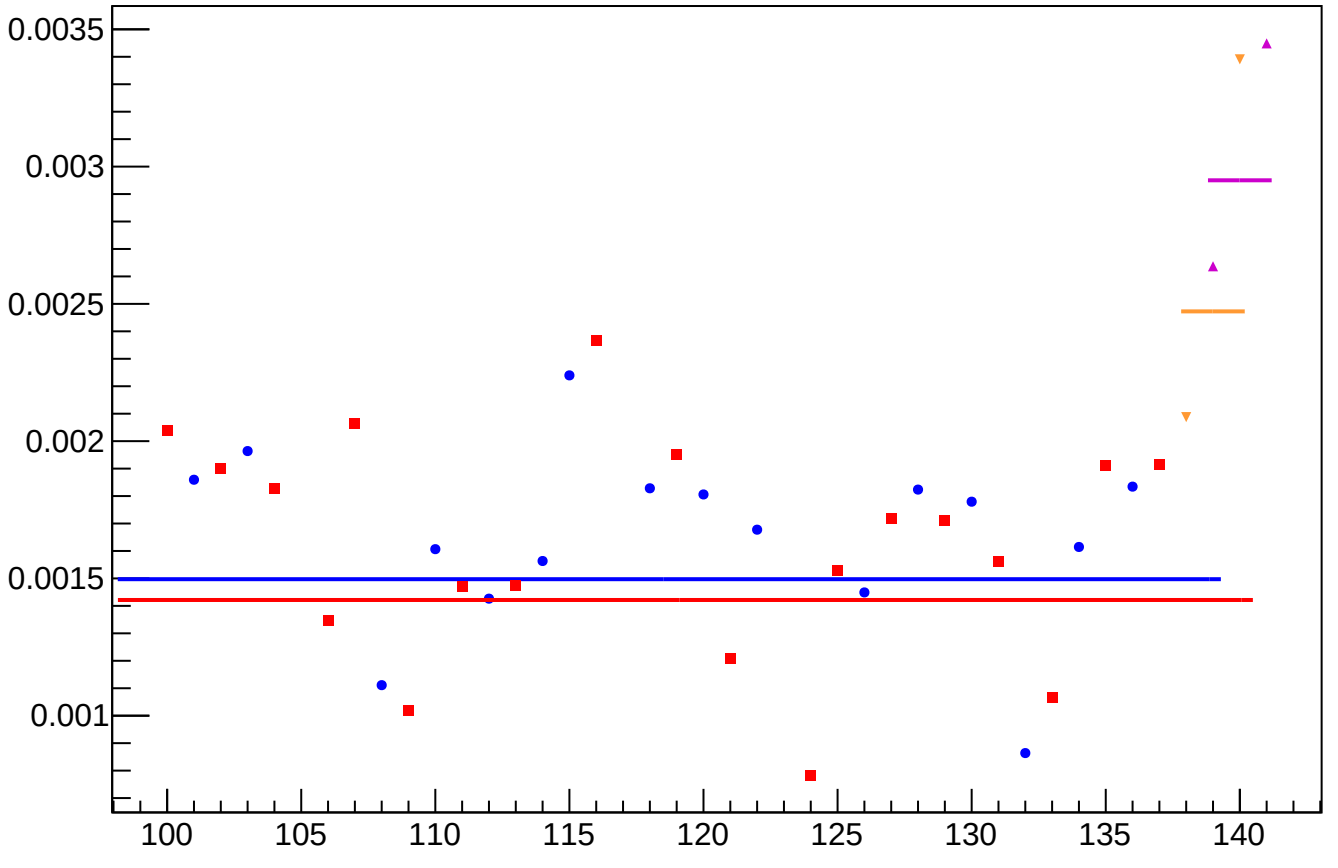
Left: 0.000+/-0.000 χ^2/NDF: 3.2/3

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:14.0/17

Out: 0.000+/-0.000 χ^2/NDF:20.7/20

All: -0.000+/-0.000 χ^2/NDF: 45.1/38



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:175253.1/1

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:60171.6/1

Left: 0.003+/-0.000 χ^2/NDF: 284846.3/3

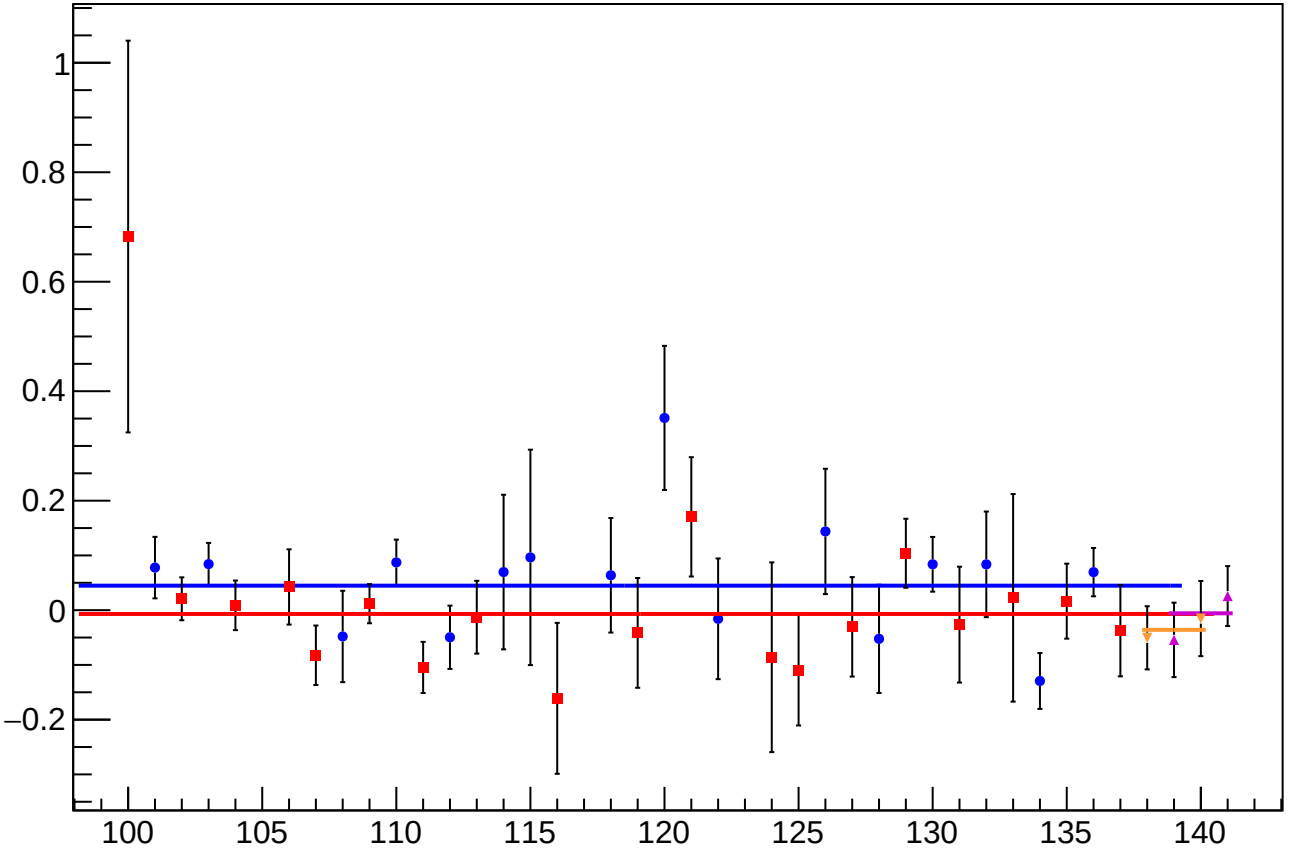
Right: 0.001+/-0.000 χ^2/NDF: 1883510.3/34

In: 0.002+/-0.000 χ^2/NDF:1691174.6/17

Out: 0.001+/-0.000 χ^2/NDF:1683673.3/20

All: 0.002+/-0.000 χ^2/NDF: 3403911.8/38

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.036+/-0.044 χ^2/NDF:0.2/1

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.006+/-0.043 χ^2/NDF:0.8/1

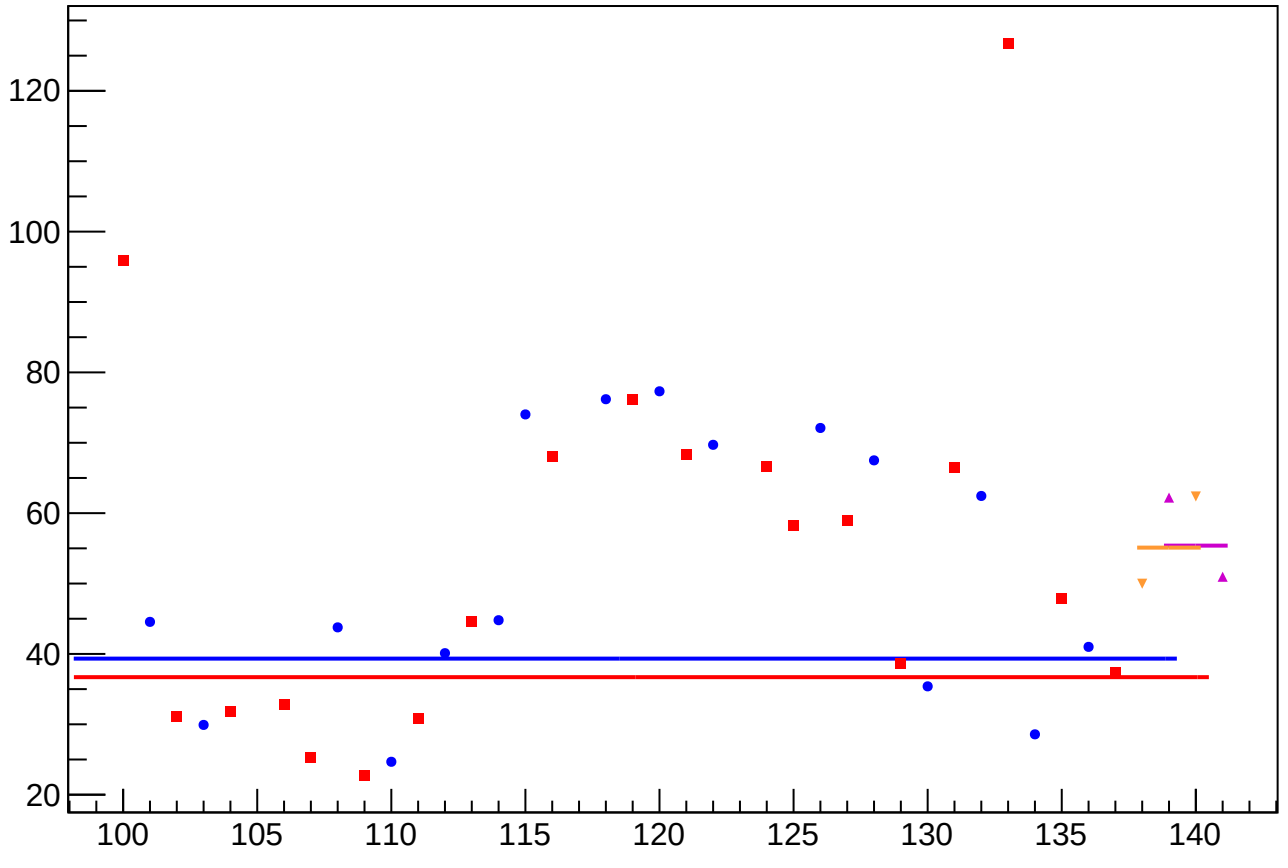
Left: -0.020+/-0.031 χ^2/NDF: 1.2/3

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.015 χ^2/NDF:28.7/17

Out: -0.010+/-0.014 χ^2/NDF:20.7/20

All: 0.013+/-0.010 χ^2/NDF: 54.9/38



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 55.104+/-0.031 χ^2/NDF:38186.7/1

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.387+/-0.030 χ^2/NDF:33171.1/1

Left: 55.251+/-0.022 χ^2/NDF: 71400.4/3

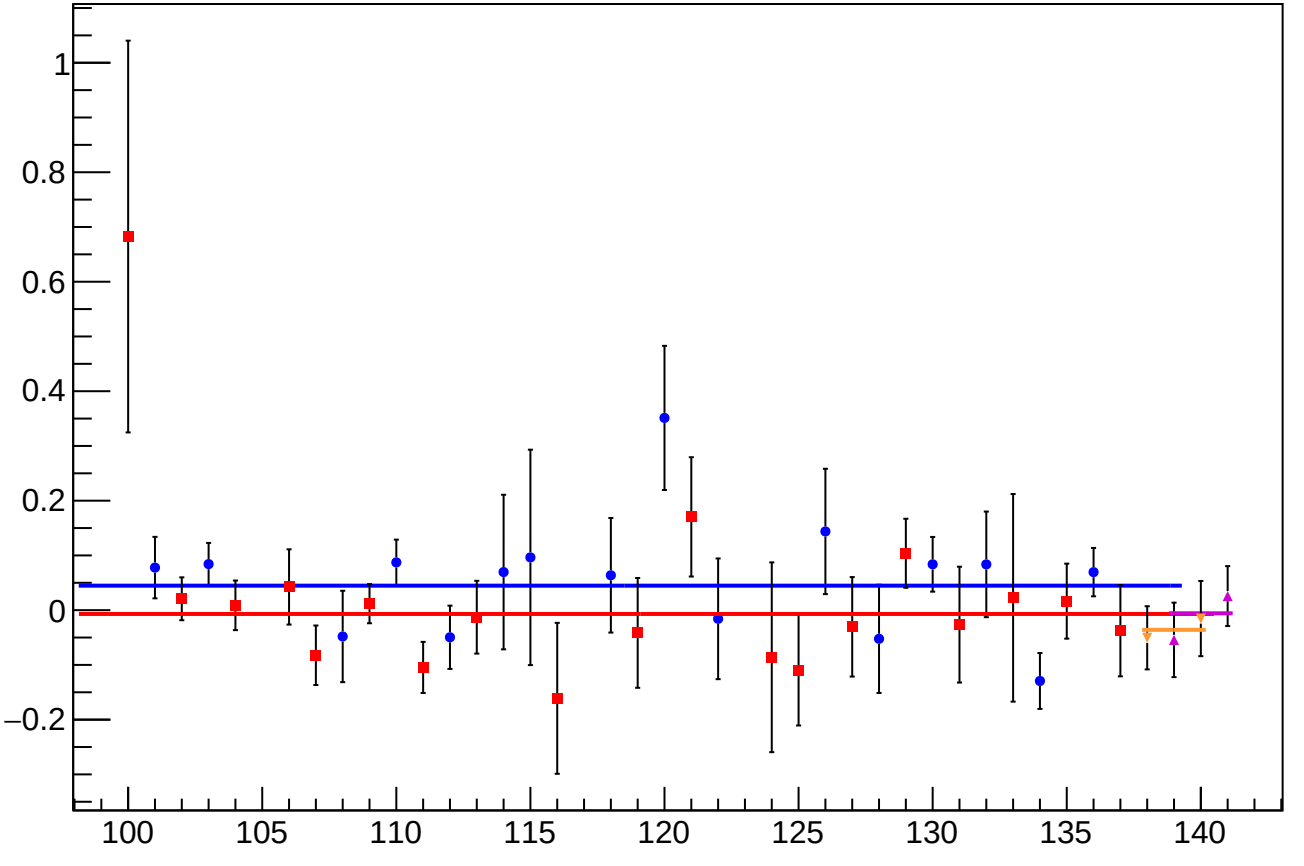
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 41.319+/-0.011 χ^2/NDF:1848044.9/17

Out: 38.627+/-0.010 χ^2/NDF:2445650.6/20

All: 39.909+/-0.007 χ^2/NDF: 4327464.4/38

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.036+/-0.044 χ^2/NDF:0.2/1

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.006+/-0.043 χ^2/NDF:0.8/1

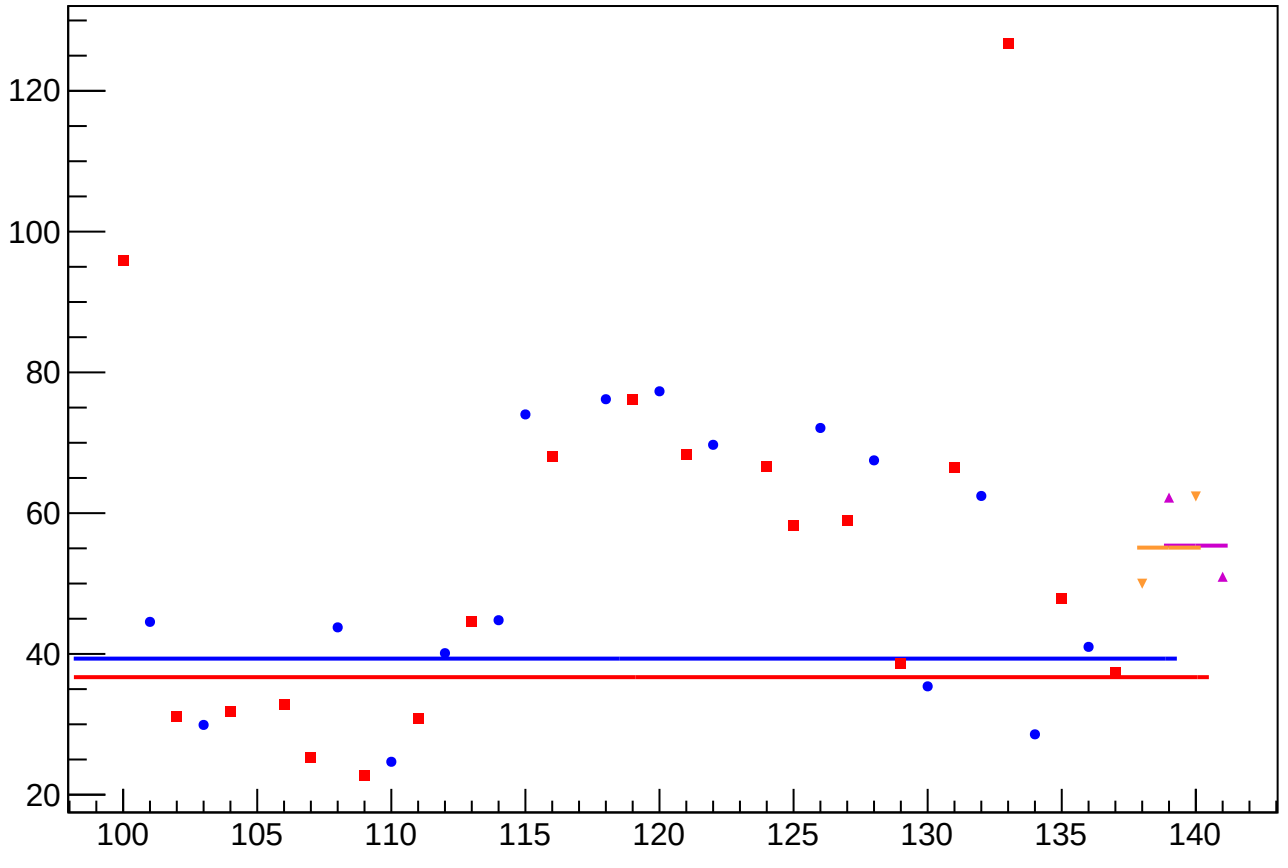
Left: -0.020+/-0.031 χ^2/NDF: 1.2/3

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.015 χ^2/NDF:28.7/17

Out: -0.010+/-0.014 χ^2/NDF:20.7/20

All: 0.013+/-0.010 χ^2/NDF: 54.9/38



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 55.104+/-0.031 χ^2/NDF:38186.7/1

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.387+/-0.030 χ^2/NDF:33171.1/1

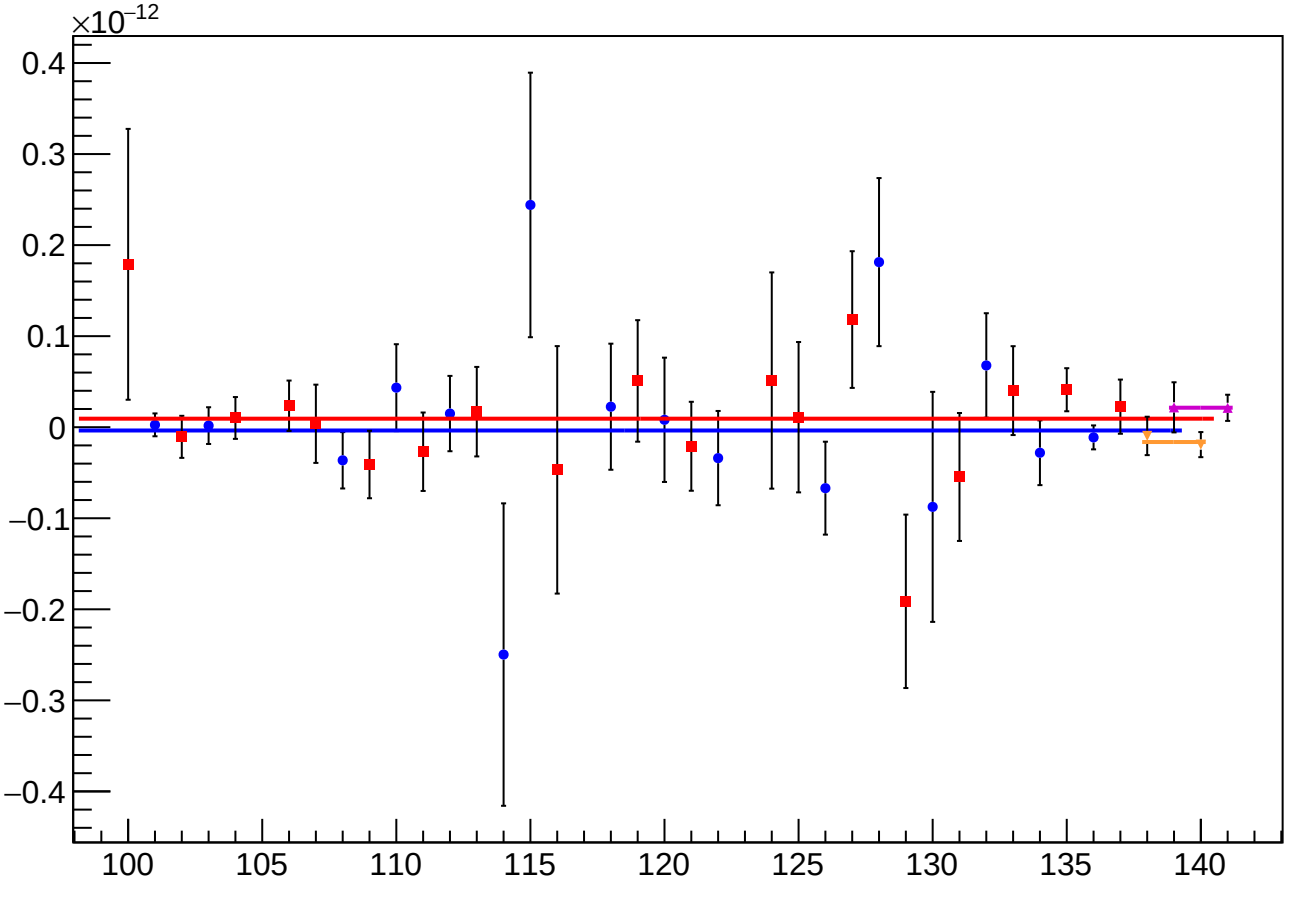
Left: 55.251+/-0.022 χ^2/NDF: 71400.4/3

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 41.319+/-0.011 χ^2/NDF:1848044.9/17

Out: 38.627+/-0.010 χ^2/NDF:2445650.6/20

All: 39.909+/-0.007 χ^2/NDF: 4327464.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

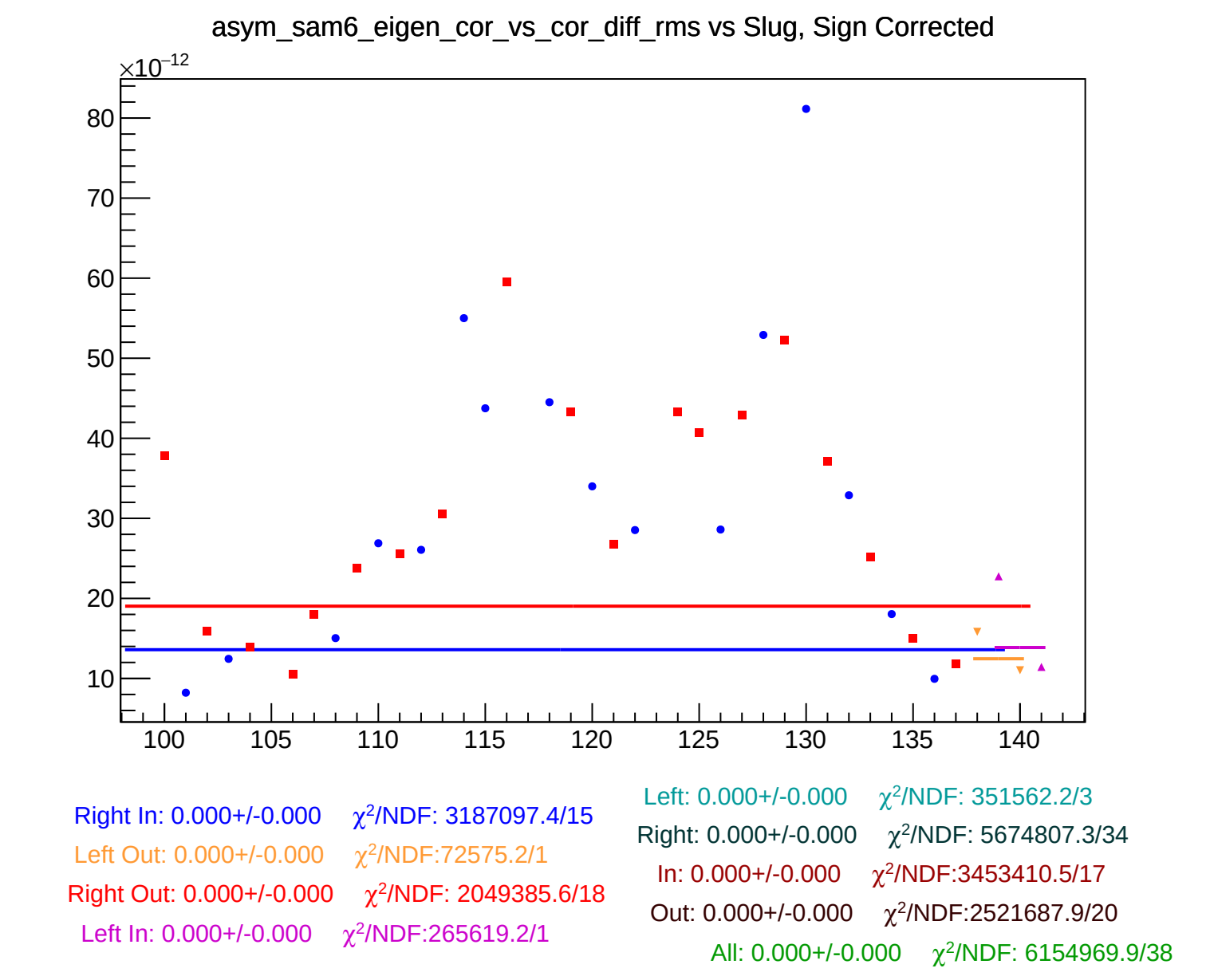
Left: 0.000+/-0.000 χ^2/NDF: 4.9/3

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

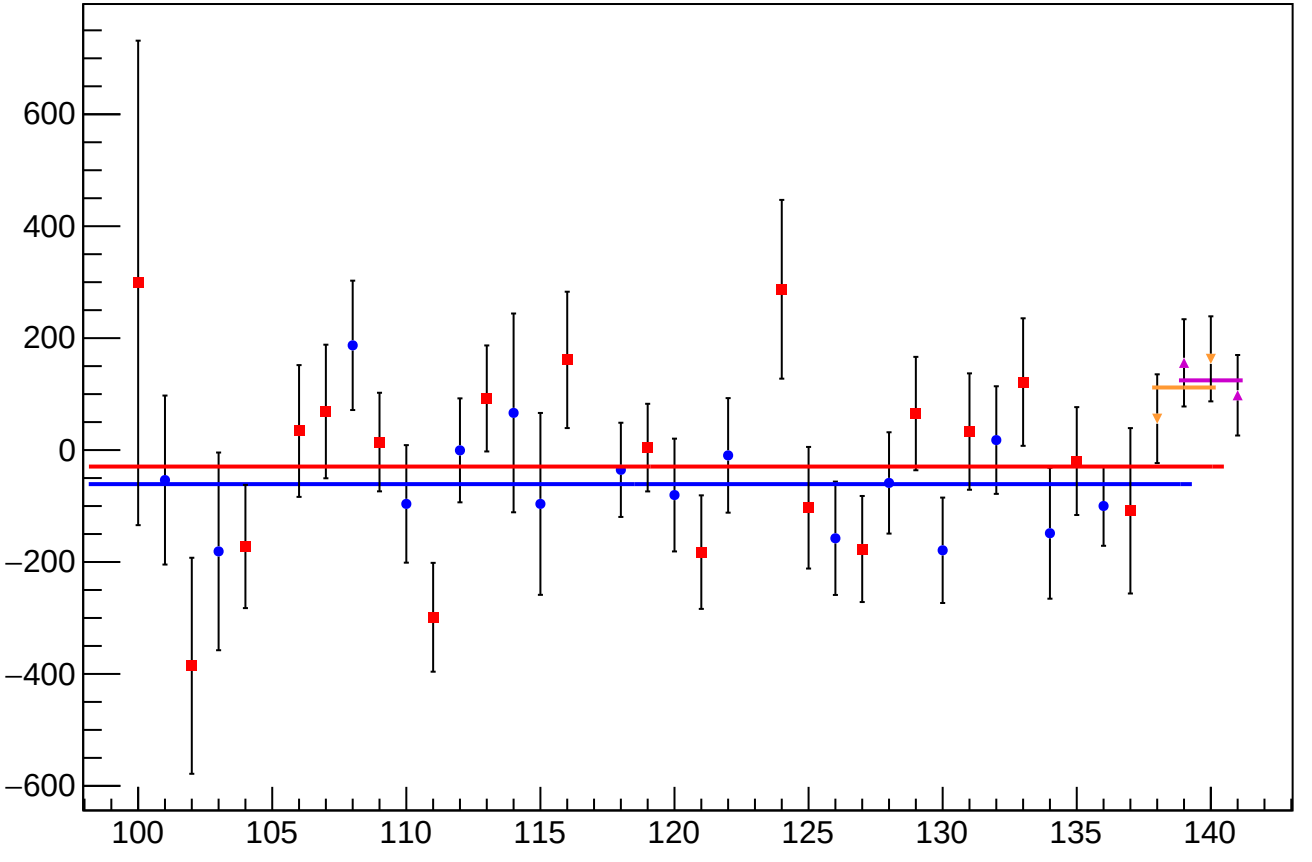
In: 0.000+/-0.000 χ^2/NDF:19.5/17

Out: -0.000+/-0.000 χ^2/NDF:18.9/20

All: 0.000+/-0.000 χ^2/NDF: 38.5/38


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:72575.2/1
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:265619.2/1
Left: 0.000+/-0.000 χ²/NDF: 351562.2/3
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:3453410.5/17
Out: 0.000+/-0.000 χ²/NDF:2521687.9/20
All: 0.000+/-0.000 χ²/NDF: 6154969.9/38

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 111.827+/-54.866 χ^2/NDF:0.9/1

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 124.572+/-52.868 χ^2/NDF:0.3/1

Left: 118.436+/-38.070 χ^2/NDF: 1.3/3

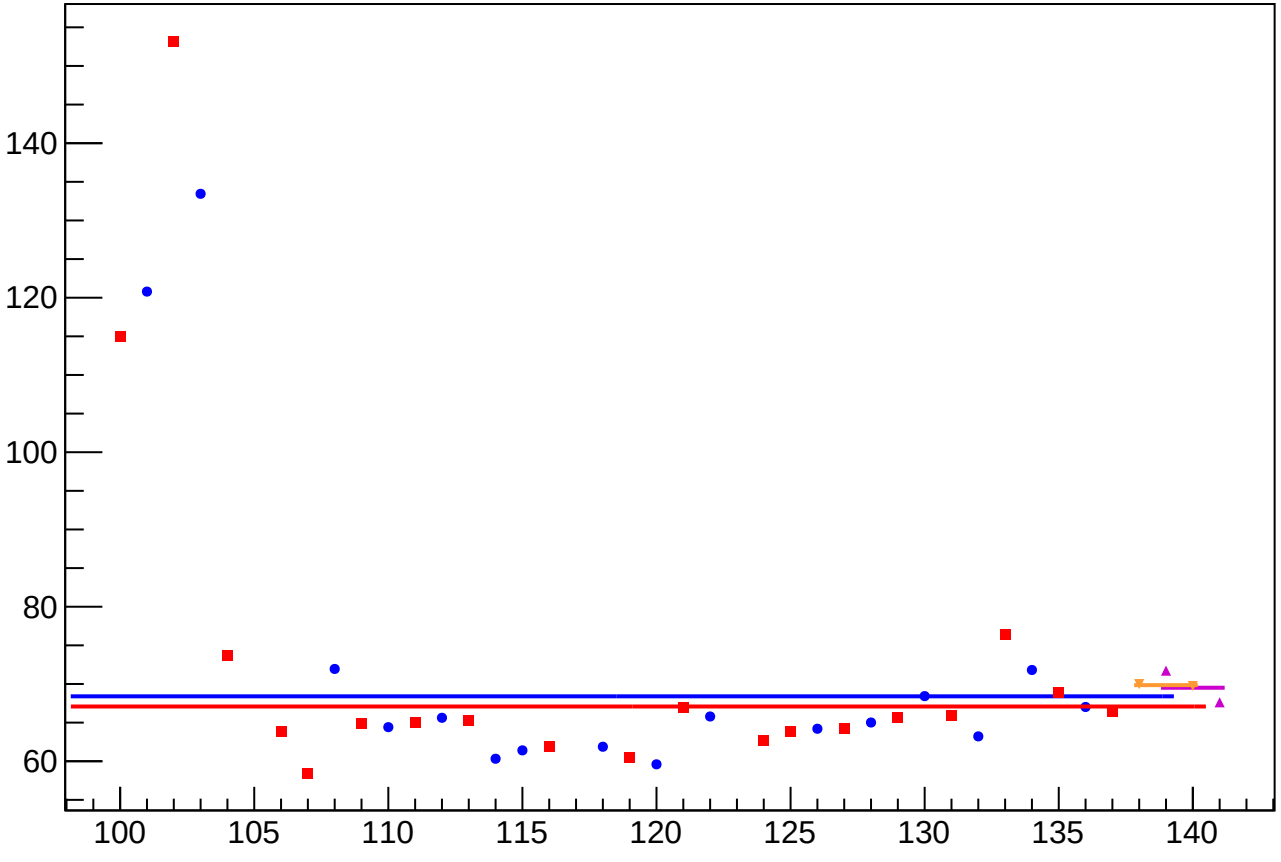
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: -24.615+/-23.370 χ^2/NDF:20.8/17

Out: -4.994+/-22.829 χ^2/NDF:37.6/20

All: -14.575+/-16.330 χ^2/NDF: 58.8/38

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 69.851+/-0.039 χ^2/NDF:10.9/1

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 69.513+/-0.037 χ^2/NDF:2978.5/1

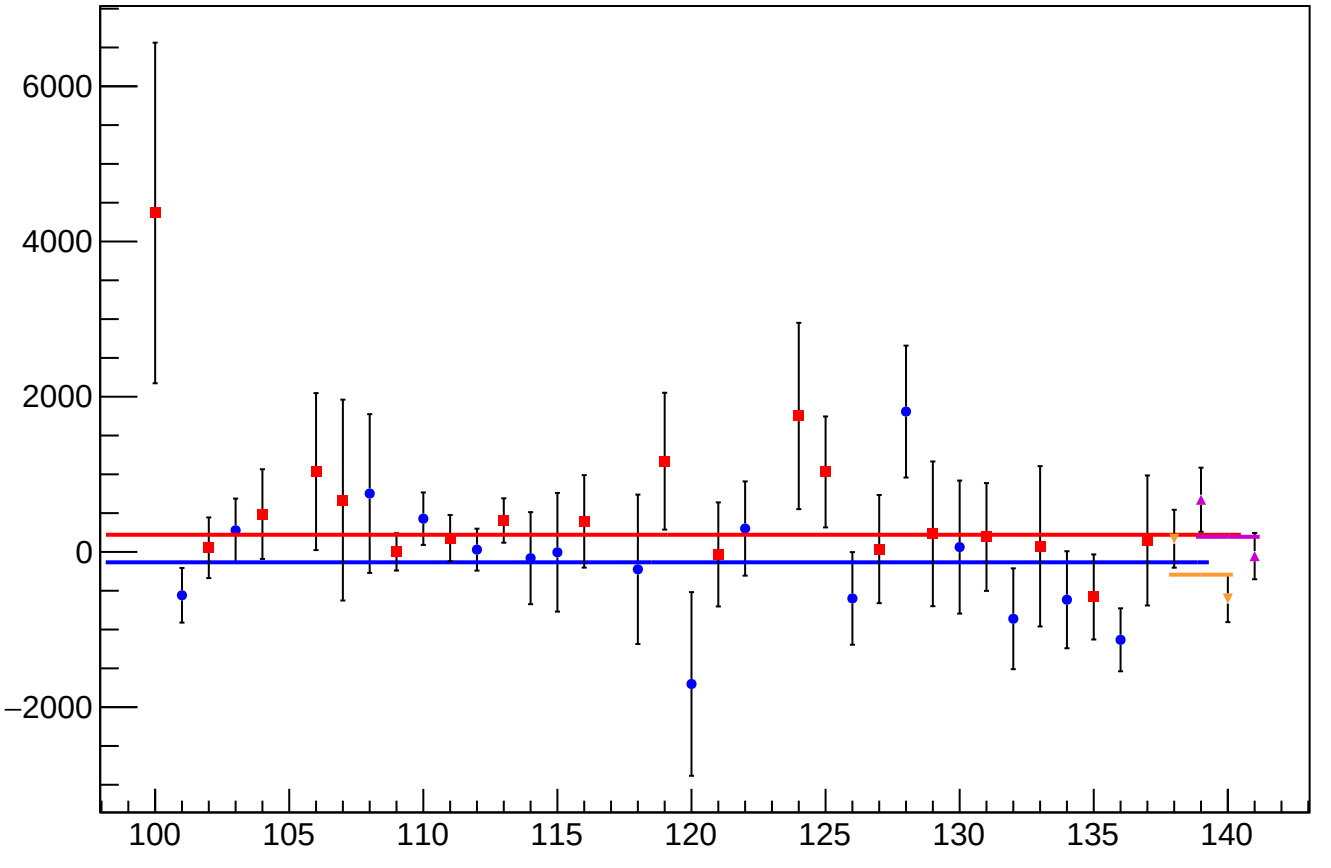
Left: 69.676+/-0.027 χ^2/NDF: 3028.6/3

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 68.620+/-0.017 χ^2/NDF:573245.1/17

Out: 67.564+/-0.016 χ^2/NDF:486025.5/20

All: 68.080+/-0.012 χ^2/NDF: 1061359.2/38



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -292.740+/-235.648 χ^2/NDF:2.6/1

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 195.127+/-241.776 χ^2/NDF:2.0/1

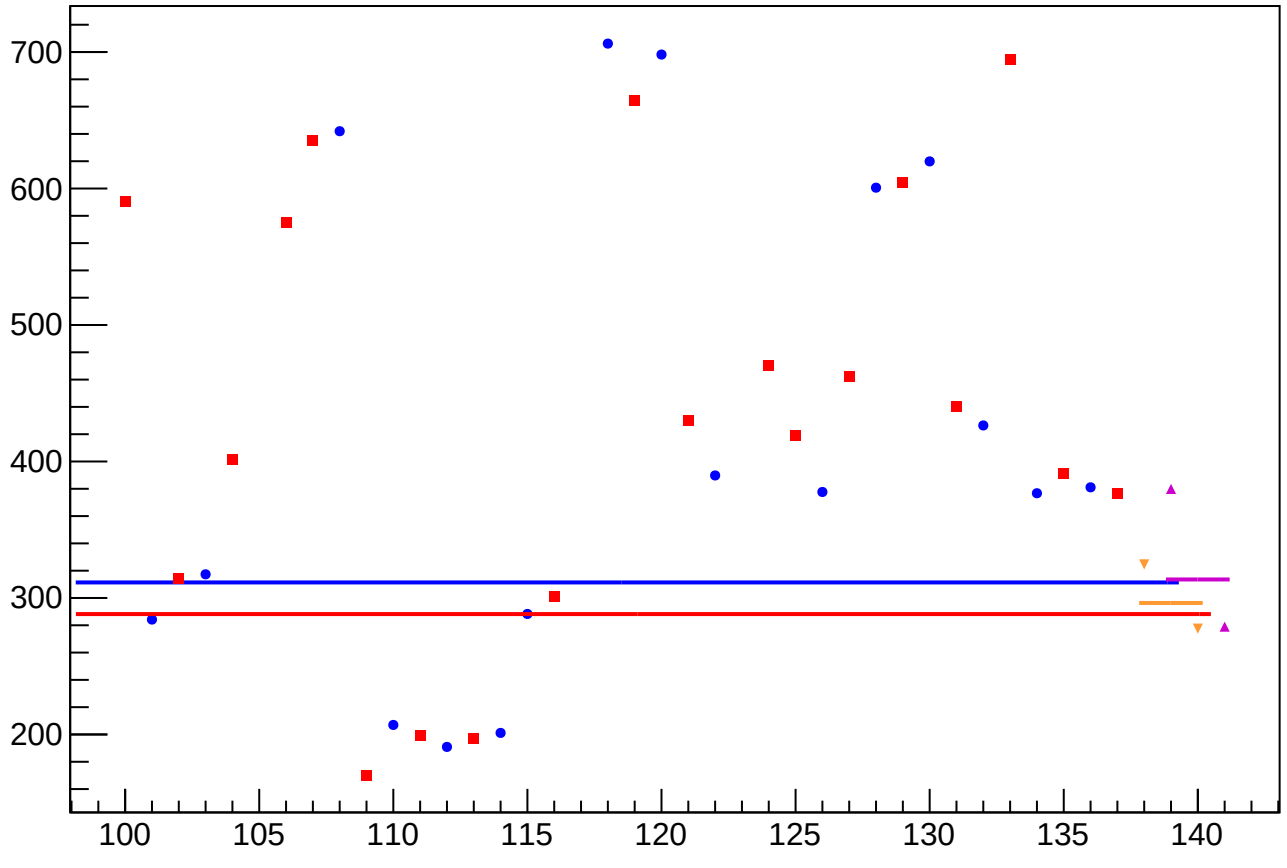
Left: -55.068+/-168.753 χ^2/NDF: 6.7/3

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -63.466+/-111.670 χ^2/NDF:26.0/17

Out: 118.569+/-105.355 χ^2/NDF:18.9/20

All: 32.843+/-76.633 χ^2/NDF: 46.3/38



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 296.347+/-0.167 χ^2/NDF:19144.2/1

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 313.565+/-0.171 χ^2/NDF:78465.5/1

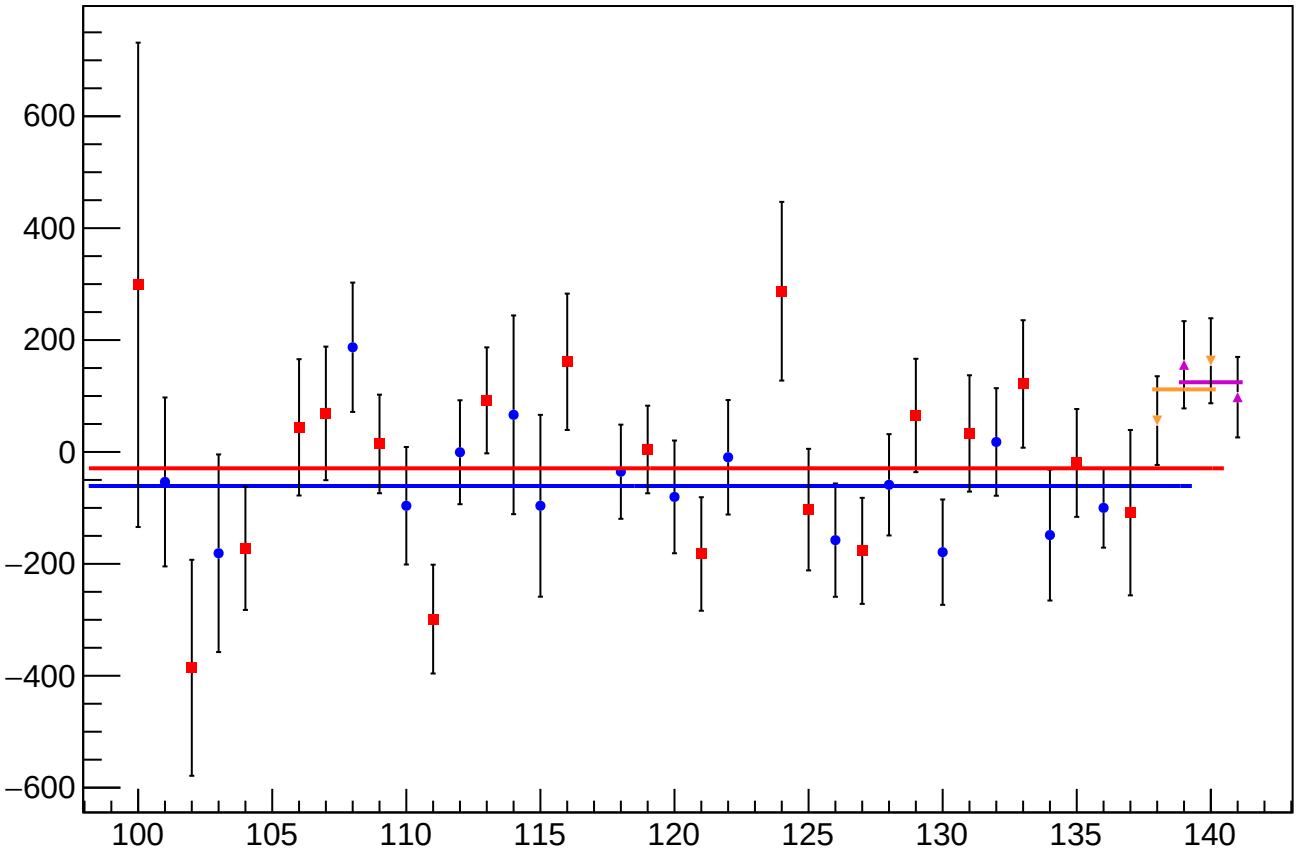
Left: 304.735+/-0.119 χ^2/NDF: 102811.4/3

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 311.851+/-0.079 χ^2/NDF:2202390.9/17

Out: 289.832+/-0.074 χ^2/NDF:2736435.2/20

All: 300.202+/-0.054 χ^2/NDF: 4979965.1/38



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 111.826+/-54.866 χ^2/NDF:0.9/1

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 124.573+/-52.868 χ^2/NDF:0.3/1

Left: 118.436+/-38.070 χ^2/NDF: 1.3/3

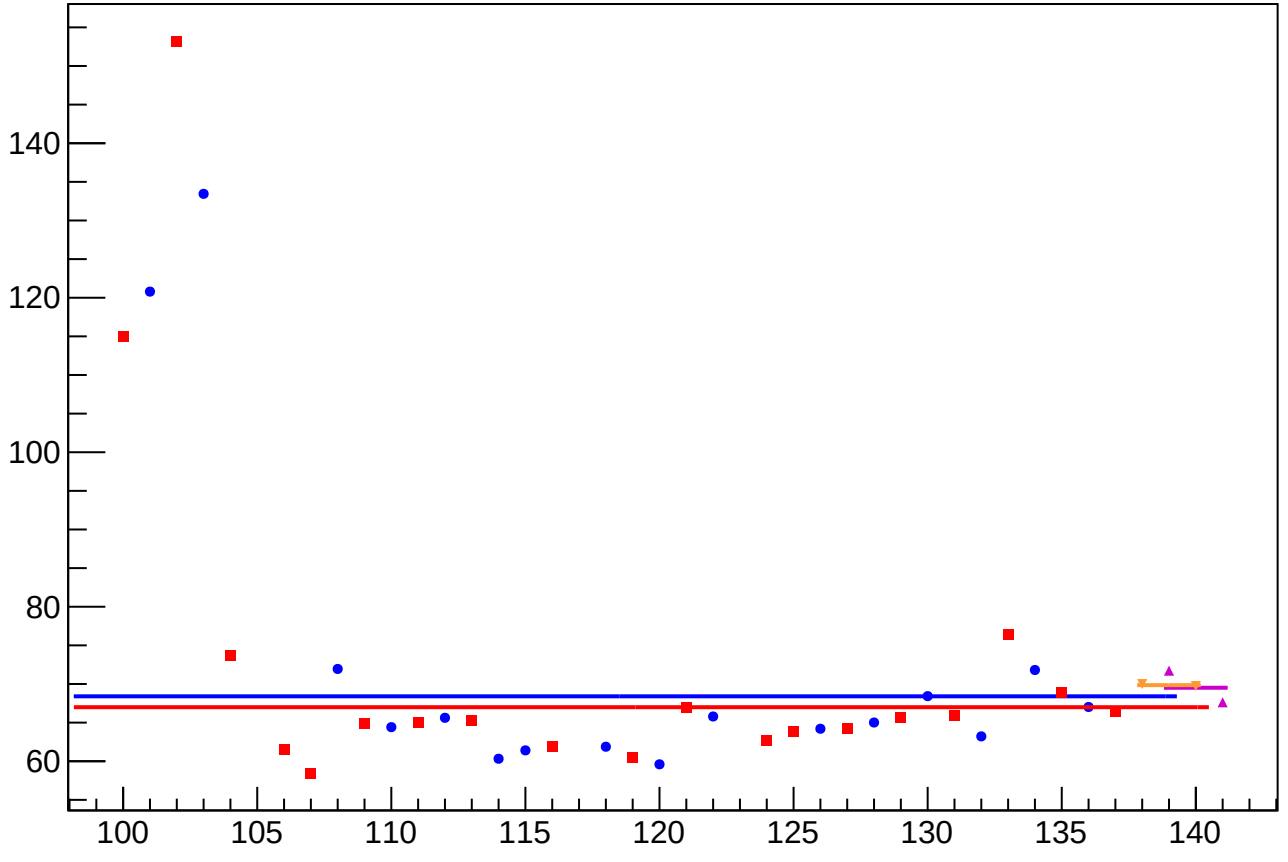
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: -24.617+/-23.370 χ^2/NDF:20.8/17

Out: -4.741+/-22.857 χ^2/NDF:37.7/20

All: -14.459+/-16.341 χ^2/NDF: 58.8/38

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 69.851+/-0.039 χ^2/NDF:10.9/1

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 69.513+/-0.037 χ^2/NDF:2978.5/1

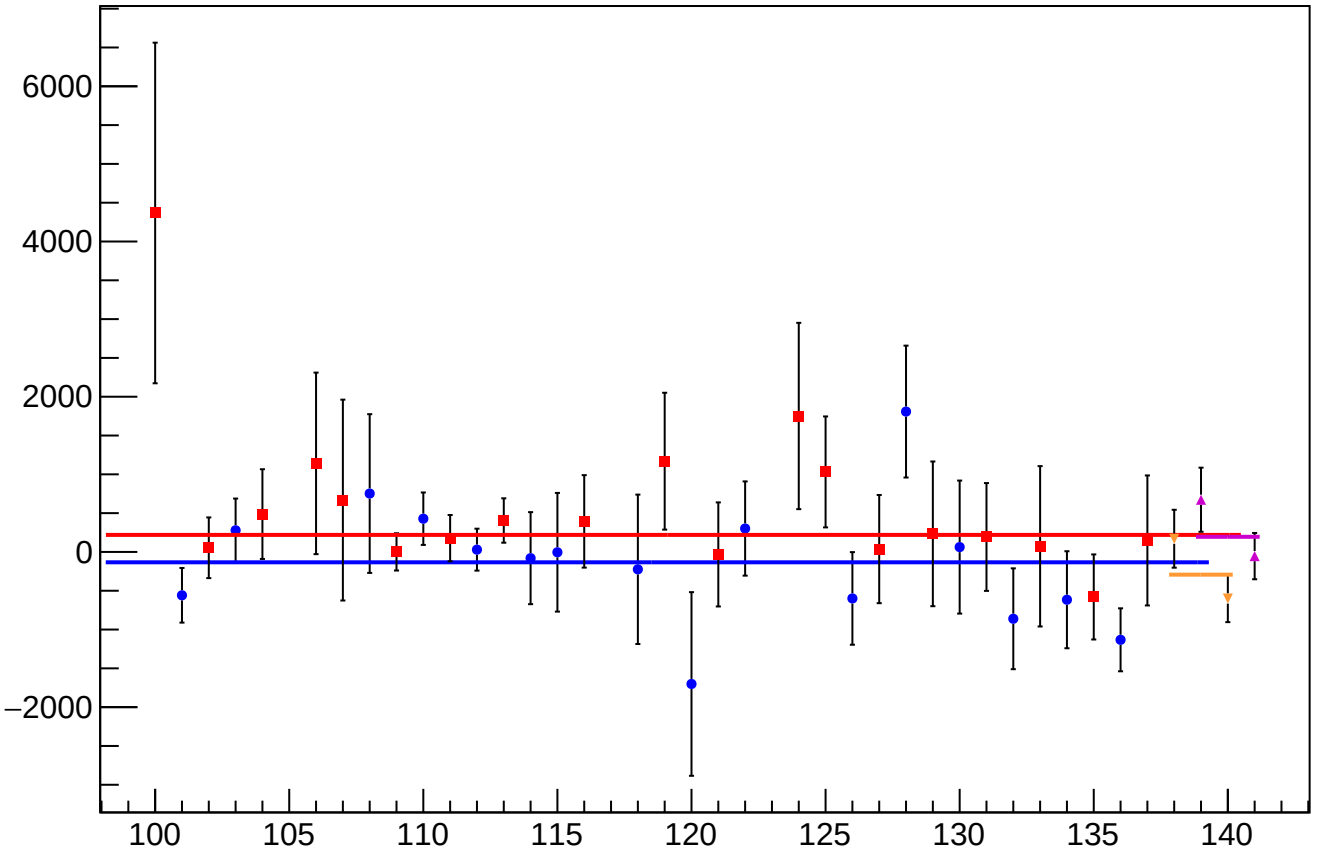
Left: 69.676+/-0.027 χ^2/NDF: 3028.6/3

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 68.620+/-0.017 χ^2/NDF:573245.5/17

Out: 67.490+/-0.016 χ^2/NDF:488977.2/20

All: 68.043+/-0.012 χ^2/NDF: 1064611.8/38



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -292.737+/-235.647 χ^2/NDF:2.6/1

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 195.122+/-241.777 χ^2/NDF:2.0/1

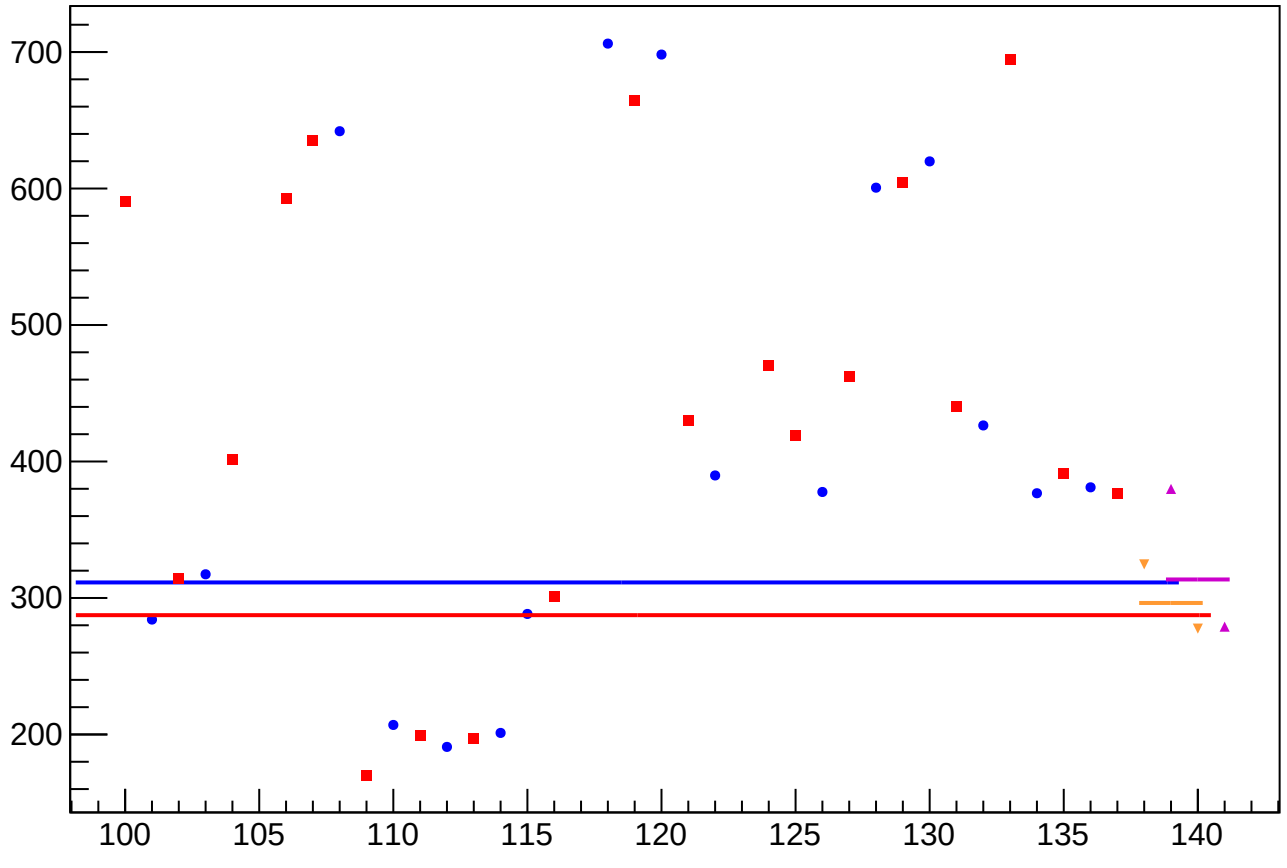
Left: -55.070+/-168.753 χ^2/NDF: 6.7/3

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -63.464+/-111.670 χ^2/NDF:26.0/17

Out: 116.914+/-105.503 χ^2/NDF:18.9/20

All: 31.843+/-76.690 χ^2/NDF: 46.2/38



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 296.346+/-0.167 χ^2/NDF:19143.6/1

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 313.566+/-0.171 χ^2/NDF:78464.3/1

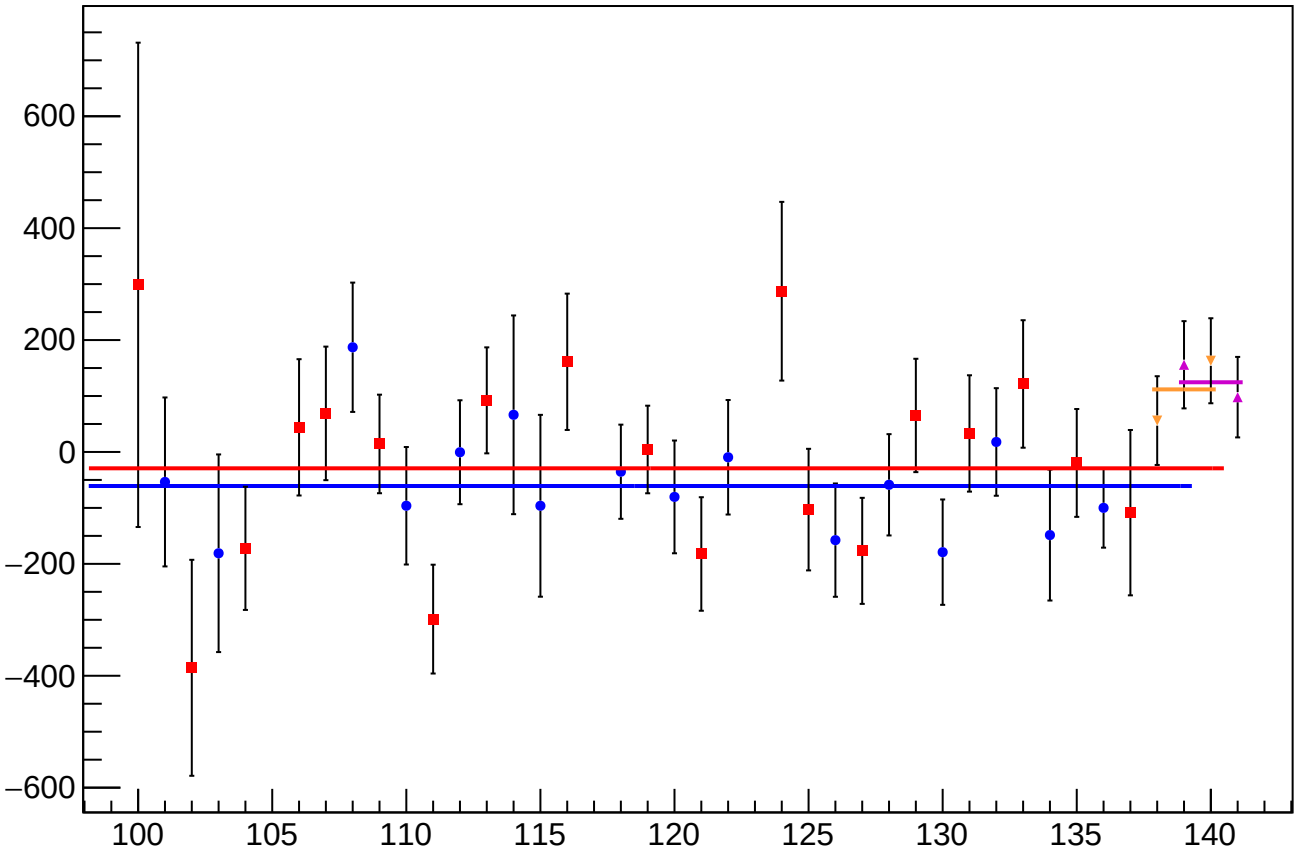
Left: 304.735+/-0.119 χ^2/NDF: 102810.7/3

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 311.853+/-0.079 χ^2/NDF:2202391.0/17

Out: 289.204+/-0.075 χ^2/NDF:2711699.6/20

All: 299.886+/-0.054 χ^2/NDF: 4957560.8/38



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 111.826+/-54.866 χ^2/NDF:0.9/1

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 124.573+/-52.868 χ^2/NDF:0.3/1

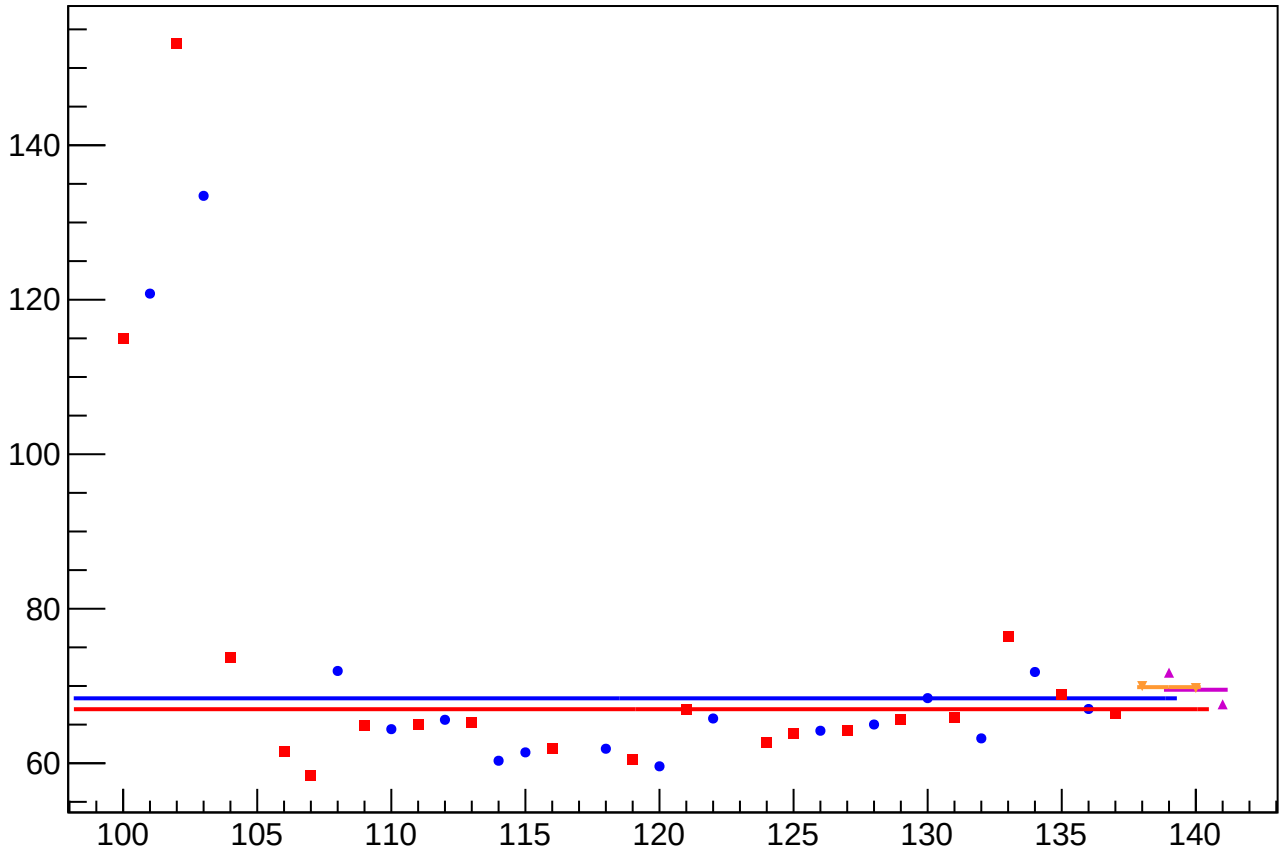
Left: 118.436+/-38.070 χ^2/NDF: 1.3/3

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: -24.617+/-23.370 χ^2/NDF:20.8/17

Out: -4.741+/-22.857 χ^2/NDF:37.7/20

All: -14.459+/-16.341 χ^2/NDF: 58.8/38



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 69.851+/-0.039 χ^2/NDF:10.9/1

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 69.513+/-0.037 χ^2/NDF:2978.5/1

Left: 69.676+/-0.027 χ^2/NDF: 3028.6/3

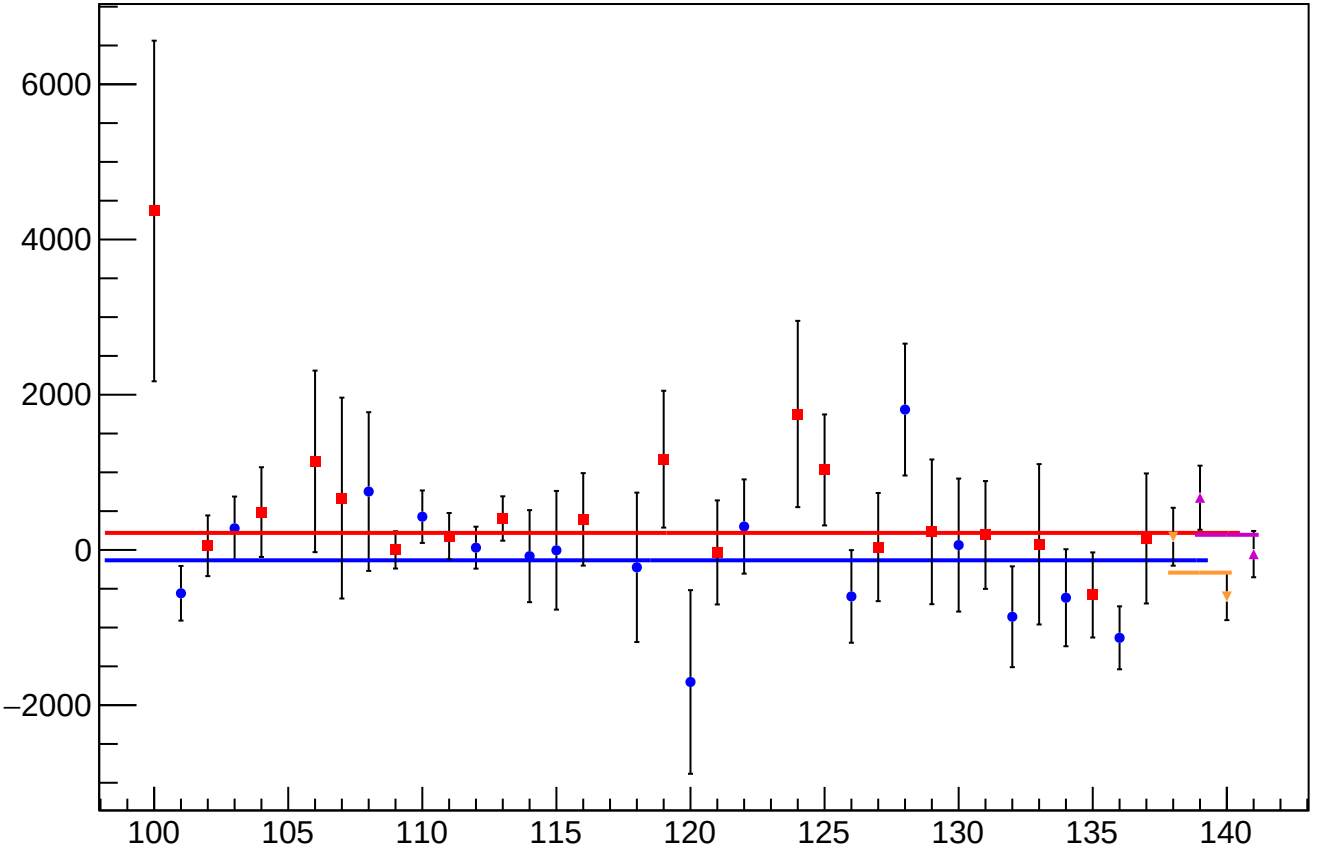
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 68.620+/-0.017 χ^2/NDF:573245.5/17

Out: 67.490+/-0.016 χ^2/NDF:488977.2/20

All: 68.043+/-0.012 χ^2/NDF: 1064611.8/38

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -292.737+/-235.647 χ^2/NDF:2.6/1

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 195.122+/-241.777 χ^2/NDF:2.0/1

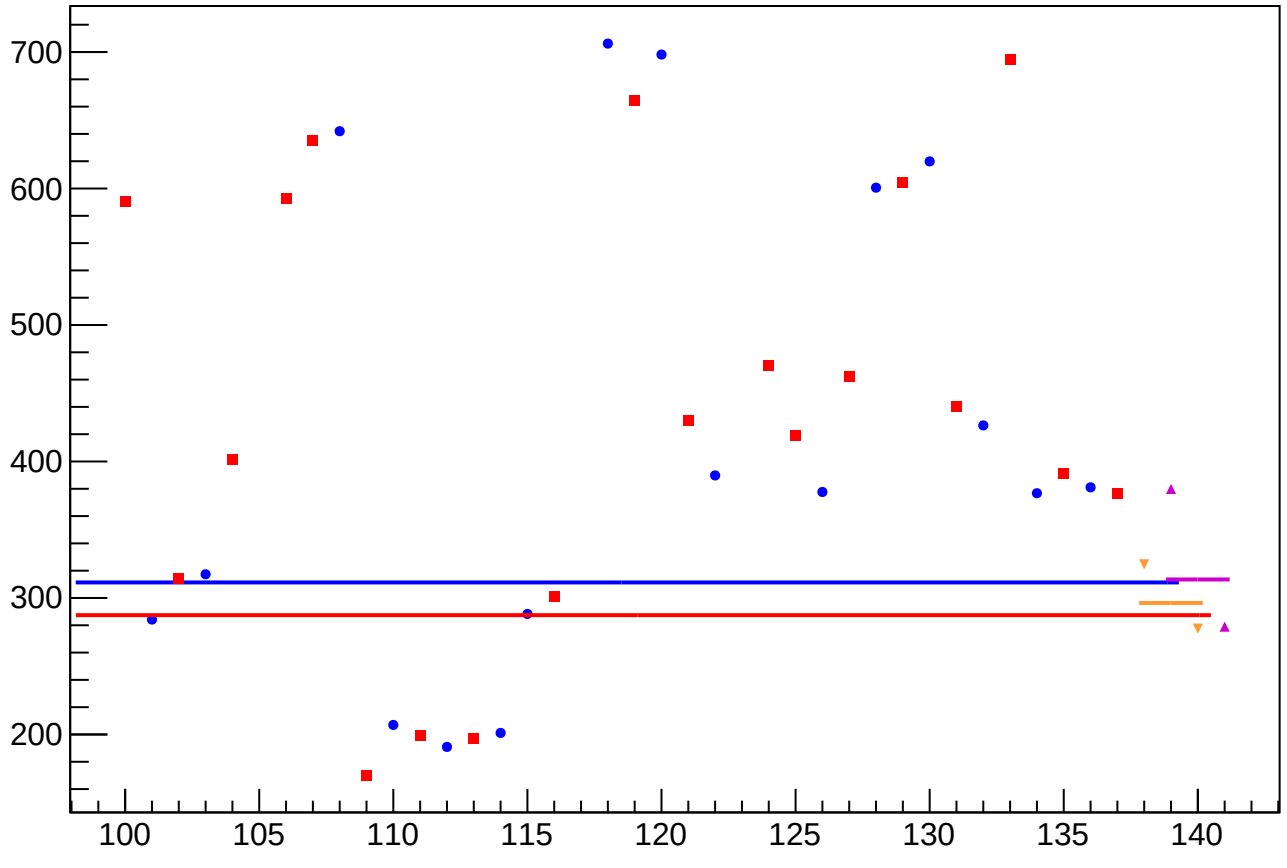
Left: -55.070+/-168.753 χ^2/NDF: 6.7/3

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -63.464+/-111.670 χ^2/NDF:26.0/17

Out: 116.914+/-105.503 χ^2/NDF:18.9/20

All: 31.843+/-76.690 χ^2/NDF: 46.2/38



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 296.346+/-0.167 χ^2/NDF:19143.6/1

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 313.566+/-0.171 χ^2/NDF:78464.3/1

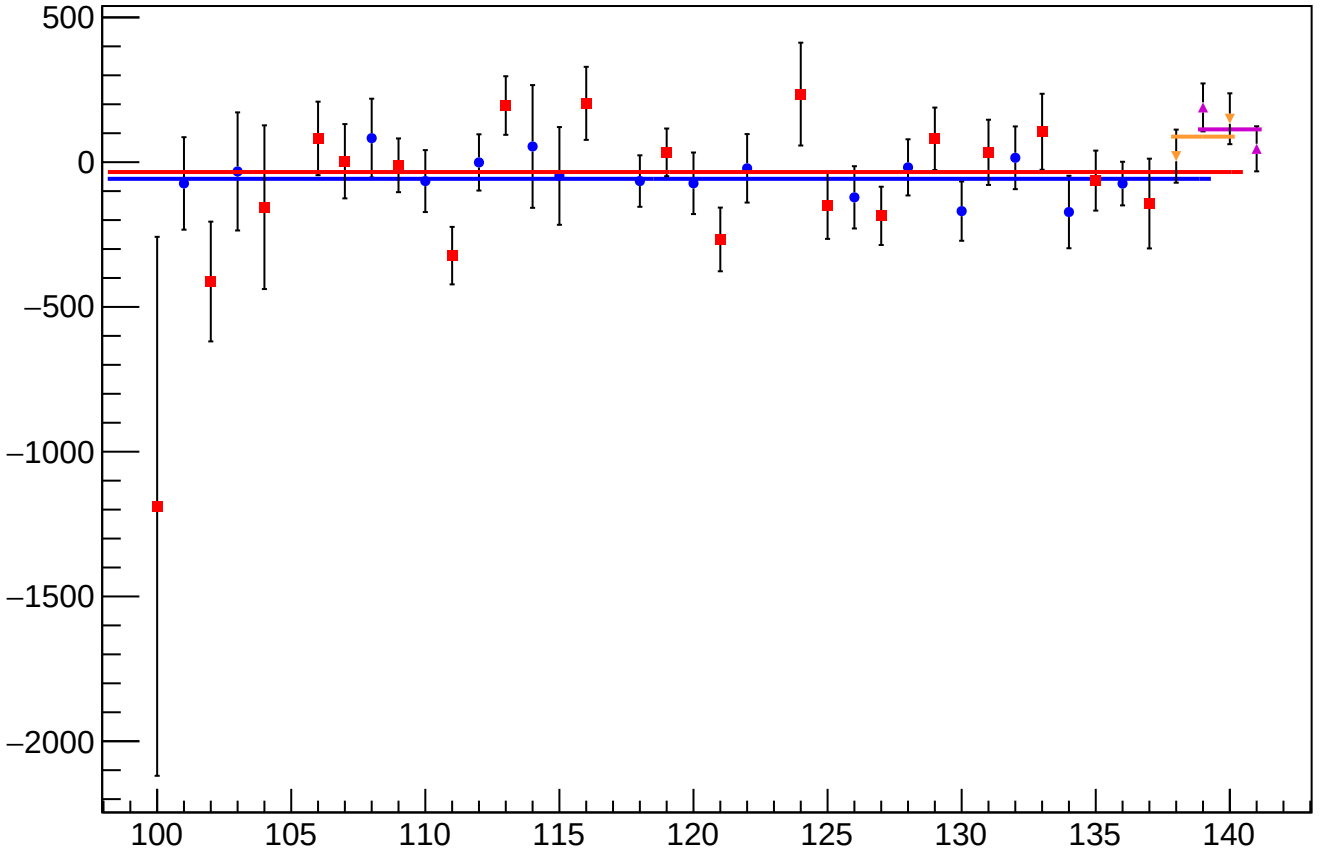
Left: 304.735+/-0.119 χ^2/NDF: 102810.7/3

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 311.853+/-0.079 χ^2/NDF:2202391.0/17

Out: 289.204+/-0.075 χ^2/NDF:2711699.6/20

All: 299.886+/-0.054 χ^2/NDF: 4957560.8/38



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 88.175+/-63.427 χ^2/NDF:1.0/1

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 113.294+/-56.710 χ^2/NDF:1.6/1

Left: 102.134+/-42.276 χ^2/NDF: 2.7/3

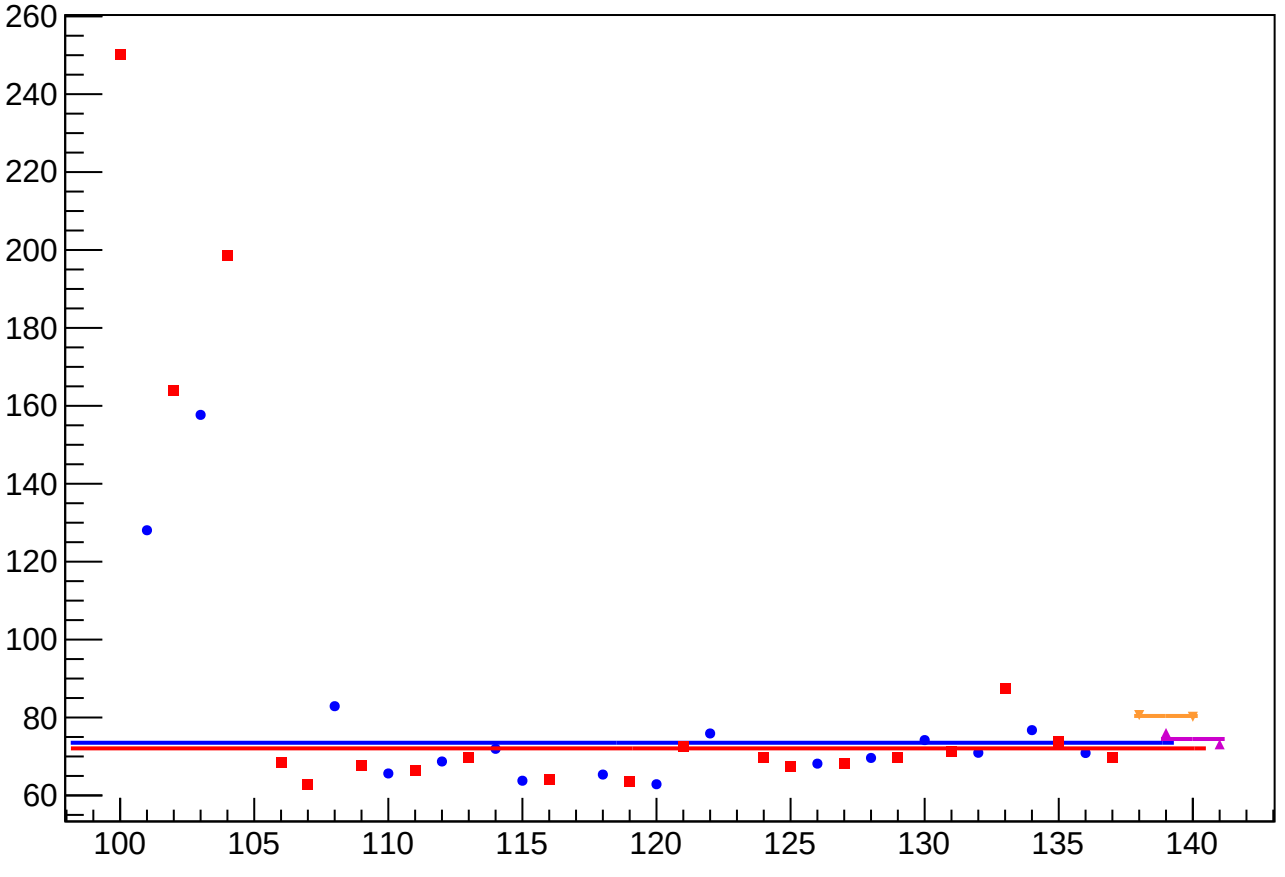
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: -23.884+/-25.169 χ^2/NDF:13.8/17

Out: -14.815+/-25.152 χ^2/NDF:41.3/20

All: -19.347+/-17.791 χ^2/NDF: 55.1/38

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 80.395+/-0.045 χ^2/NDF:23.9/1

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 74.484+/-0.040 χ^2/NDF:1299.1/1

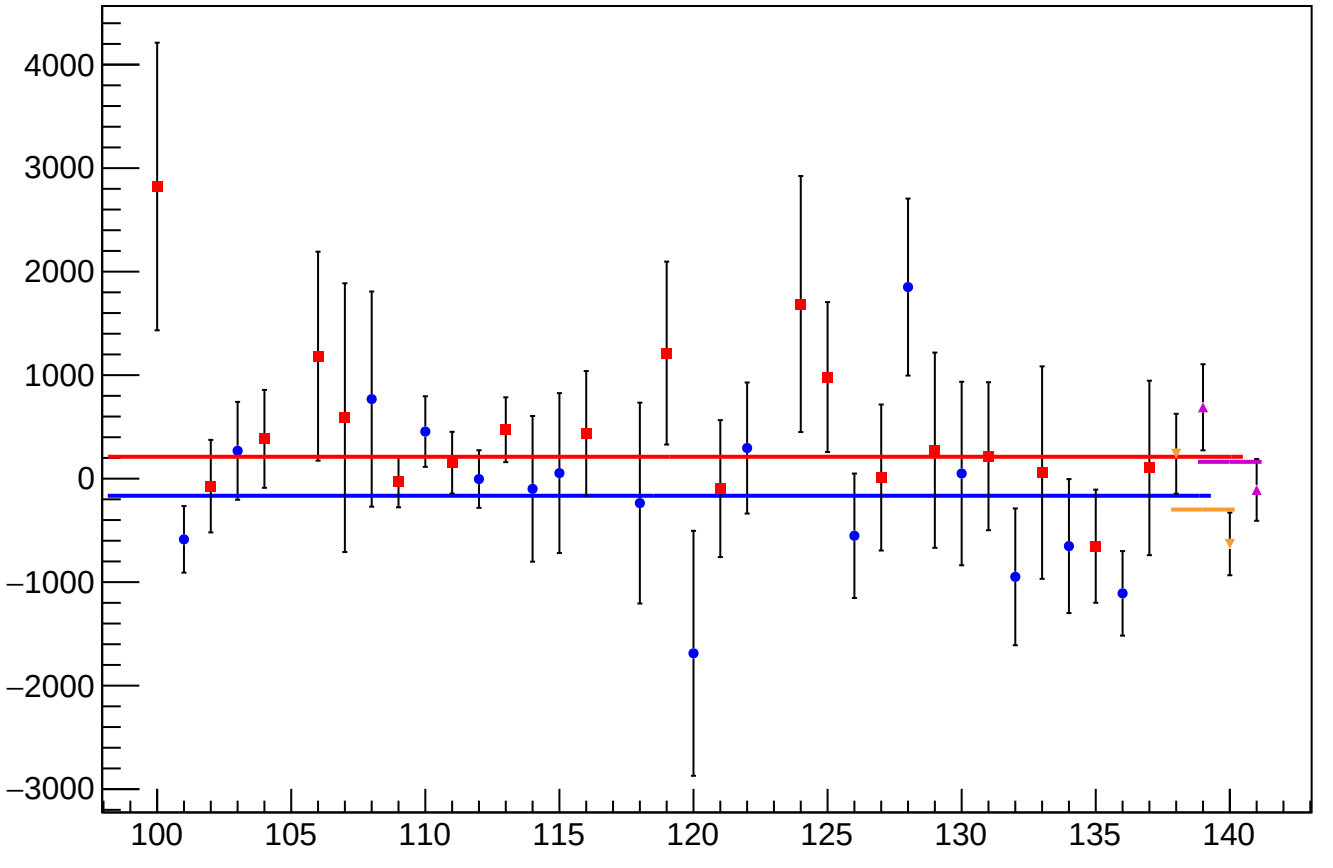
Left: 77.110+/-0.030 χ^2/NDF: 10976.2/3

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 73.709+/-0.018 χ^2/NDF:658612.0/17

Out: 73.382+/-0.018 χ^2/NDF:987530.2/20

All: 73.546+/-0.013 χ^2/NDF: 1646310.7/38



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -298.741+/-238.201 χ^2/NDF:3.2/1

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 162.339+/-242.342 χ^2/NDF:2.4/1

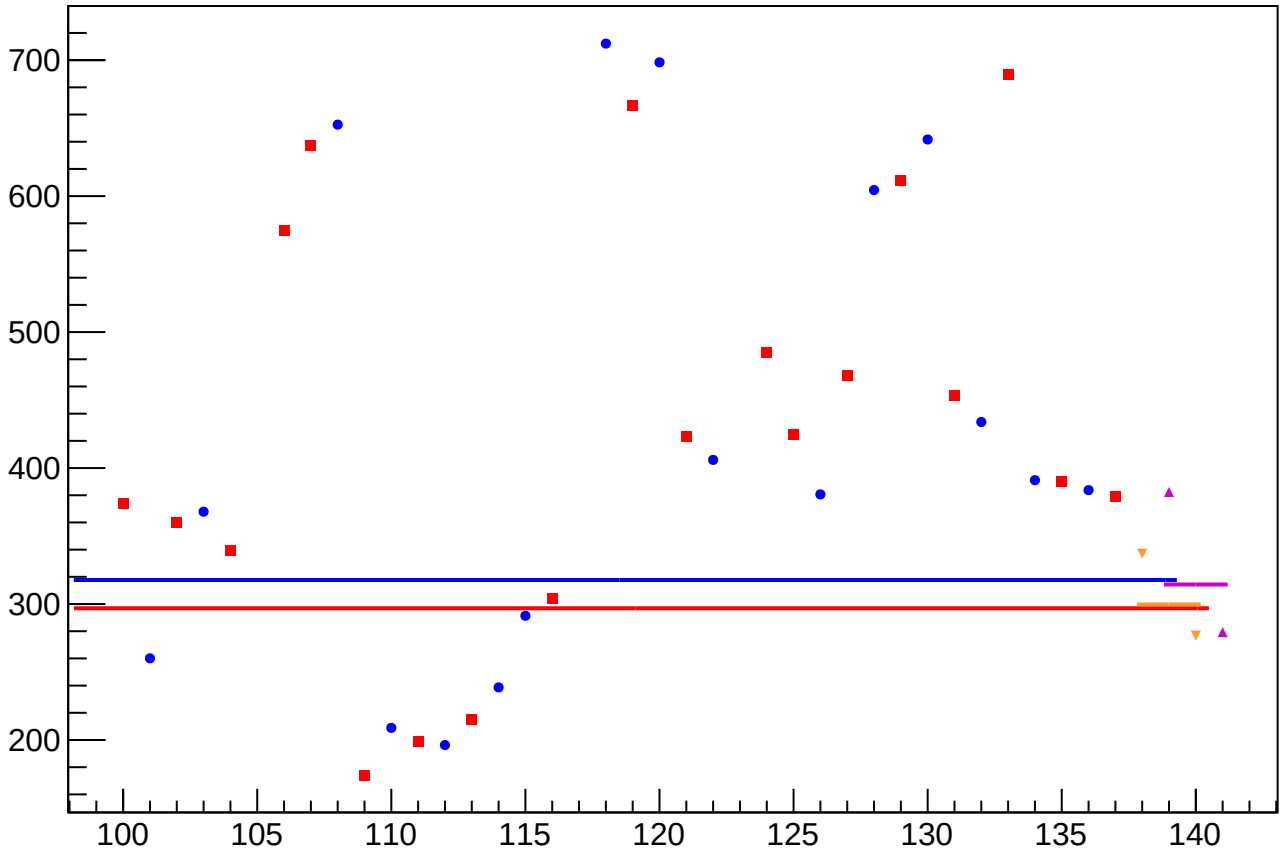
Left: -72.175+/-169.879 χ^2/NDF: 7.4/3

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -93.608+/-113.485 χ^2/NDF:26.5/17

Out: 107.929+/-107.256 χ^2/NDF:20.4/20

All: 12.843+/-77.950 χ^2/NDF: 48.6/38



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 299.712+/-0.168 χ^2/NDF:30162.4/1

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 314.351+/-0.171 χ^2/NDF:81115.6/1

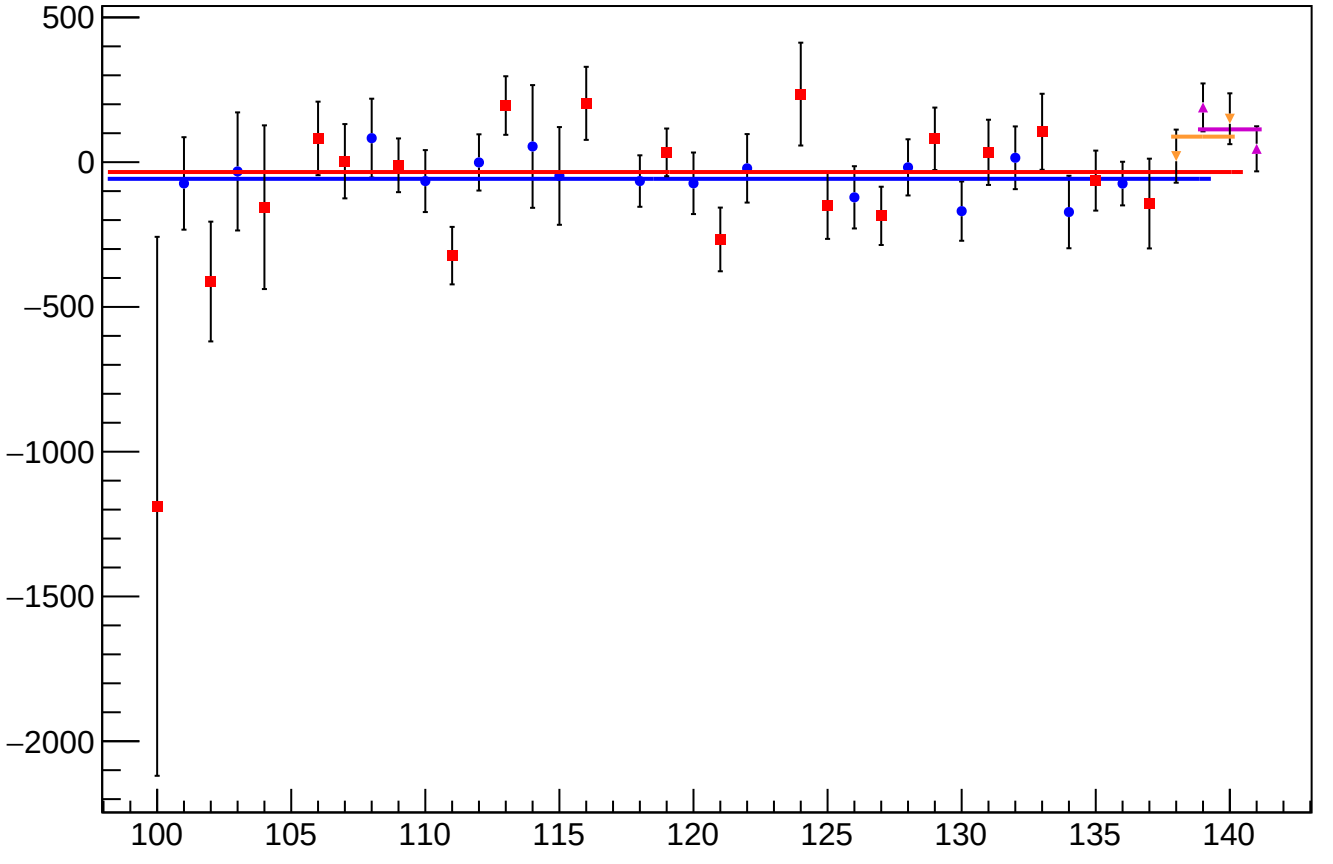
Left: 306.905+/-0.120 χ^2/NDF: 114989.5/3

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 316.937+/-0.080 χ^2/NDF:2217600.2/17

Out: 297.461+/-0.076 χ^2/NDF:2571426.8/20

All: 306.650+/-0.055 χ^2/NDF: 4820142.9/38



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 88.173+/-63.427 χ^2/NDF:1.0/1

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 113.295+/-56.710 χ^2/NDF:1.6/1

Left: 102.134+/-42.276 χ^2/NDF: 2.7/3

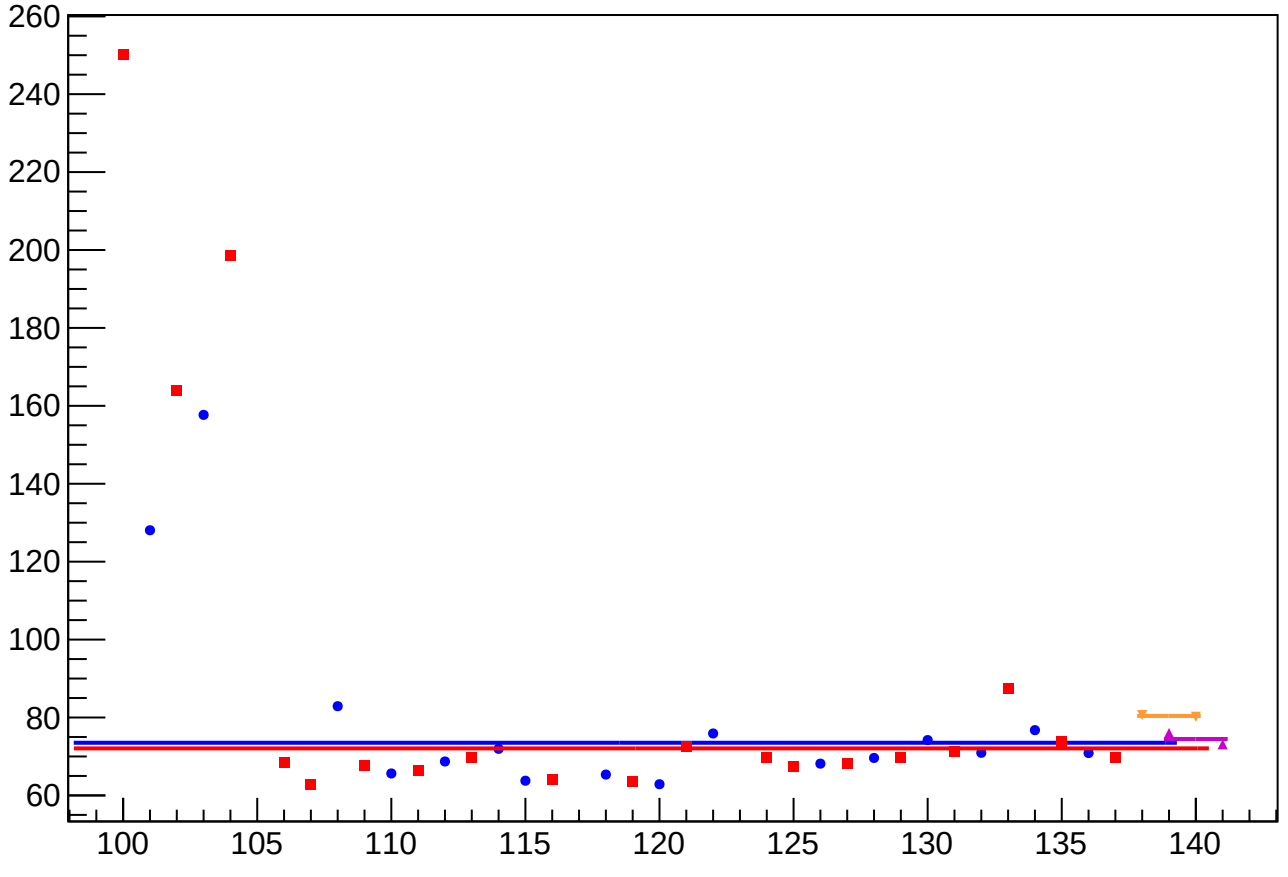
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: -23.884+/-25.169 χ^2/NDF:13.8/17

Out: -14.817+/-25.152 χ^2/NDF:41.3/20

All: -19.347+/-17.791 χ^2/NDF: 55.1/38

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 80.395+/-0.045 χ^2/NDF:23.9/1

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 74.484+/-0.040 χ^2/NDF:1299.1/1

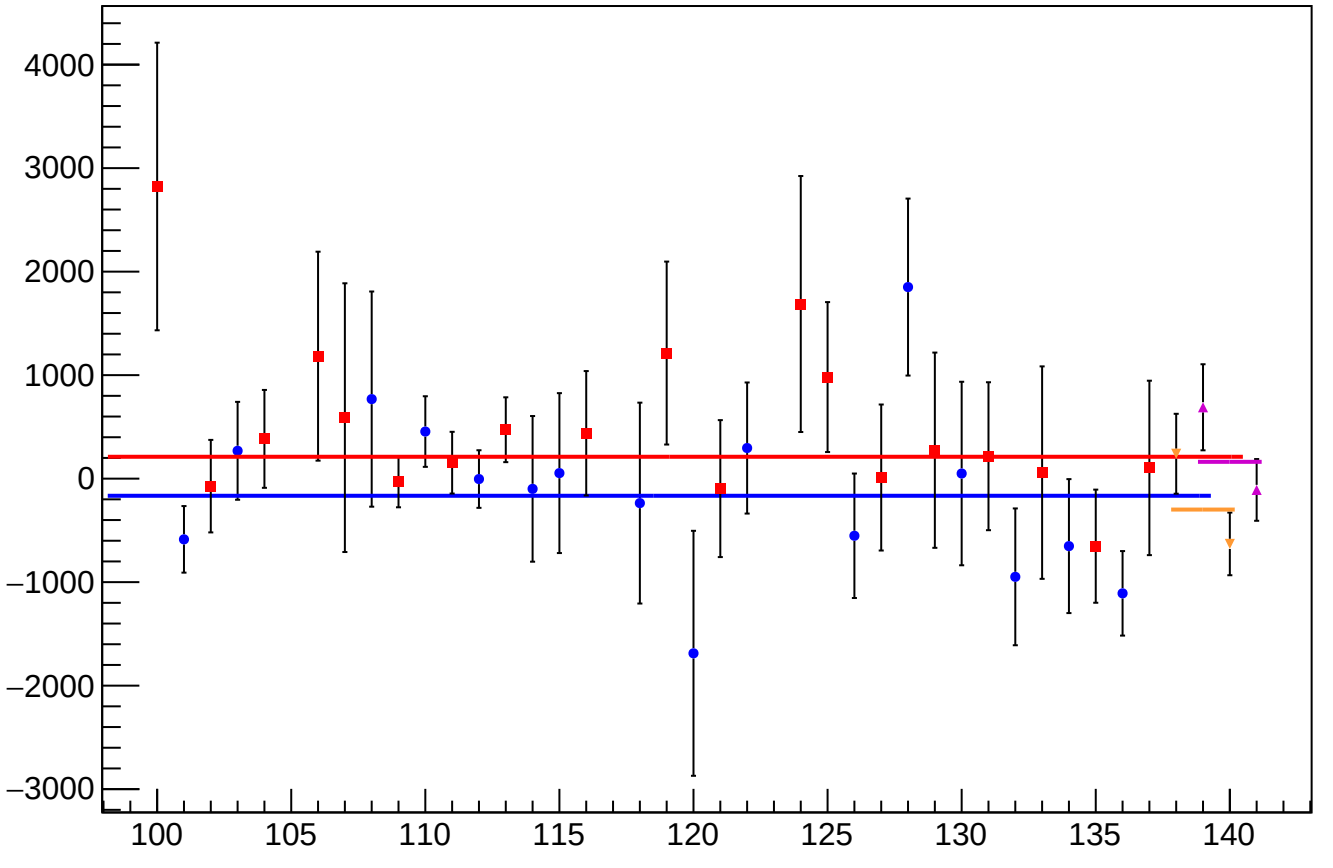
Left: 77.110+/-0.030 χ^2/NDF: 10976.1/3

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 73.709+/-0.018 χ^2/NDF:658613.7/17

Out: 73.382+/-0.018 χ^2/NDF:987531.9/20

All: 73.546+/-0.013 χ^2/NDF: 1646314.2/38



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -298.742+/-238.201 χ^2/NDF:3.2/1

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 162.341+/-242.342 χ^2/NDF:2.4/1

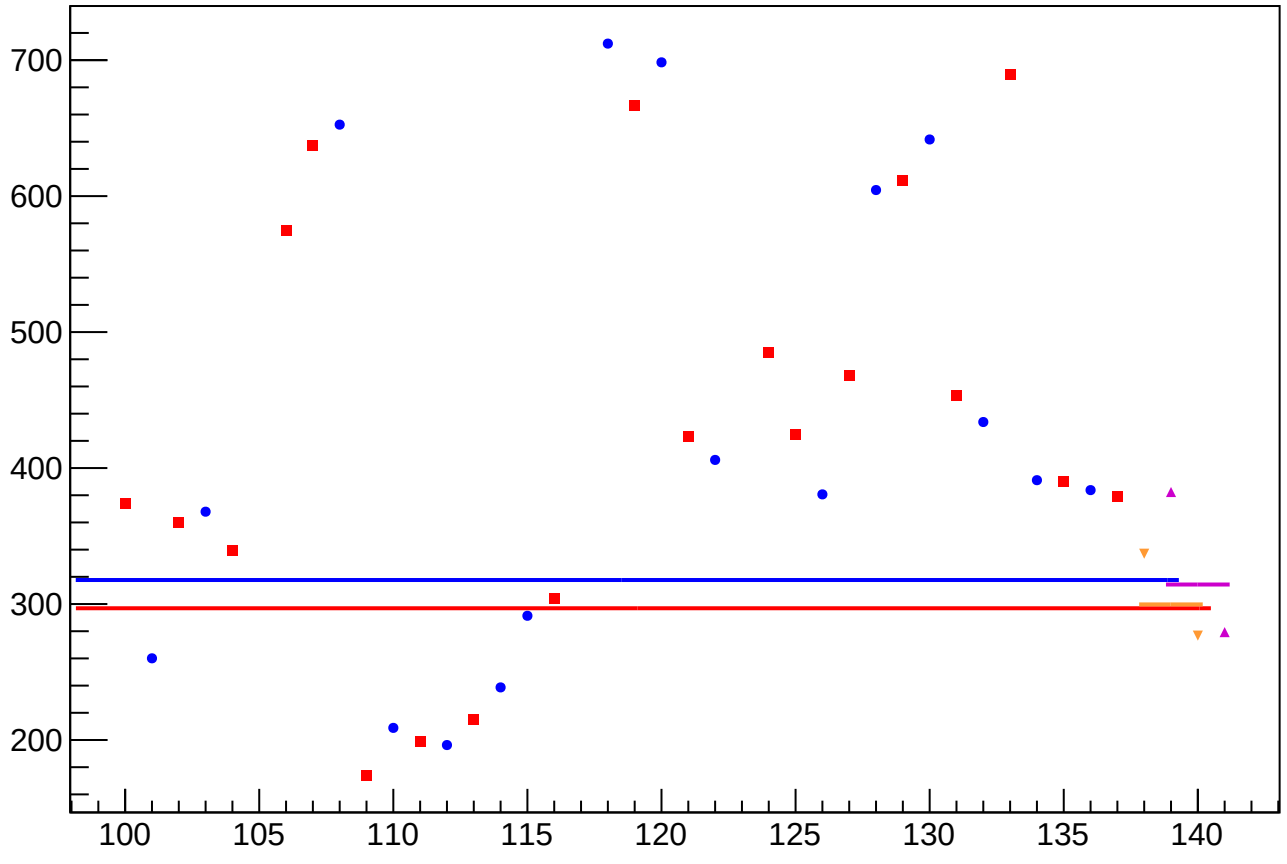
Left: -72.174+/-169.879 χ^2/NDF: 7.4/3

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -93.608+/-113.484 χ^2/NDF:26.5/17

Out: 107.928+/-107.255 χ^2/NDF:20.4/20

All: 12.843+/-77.950 χ^2/NDF: 48.6/38



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 299.712+/-0.168 χ^2/NDF:30161.9/1

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 314.351+/-0.171 χ^2/NDF:81114.6/1

Left: 306.905+/-0.120 χ^2/NDF: 114988.1/3

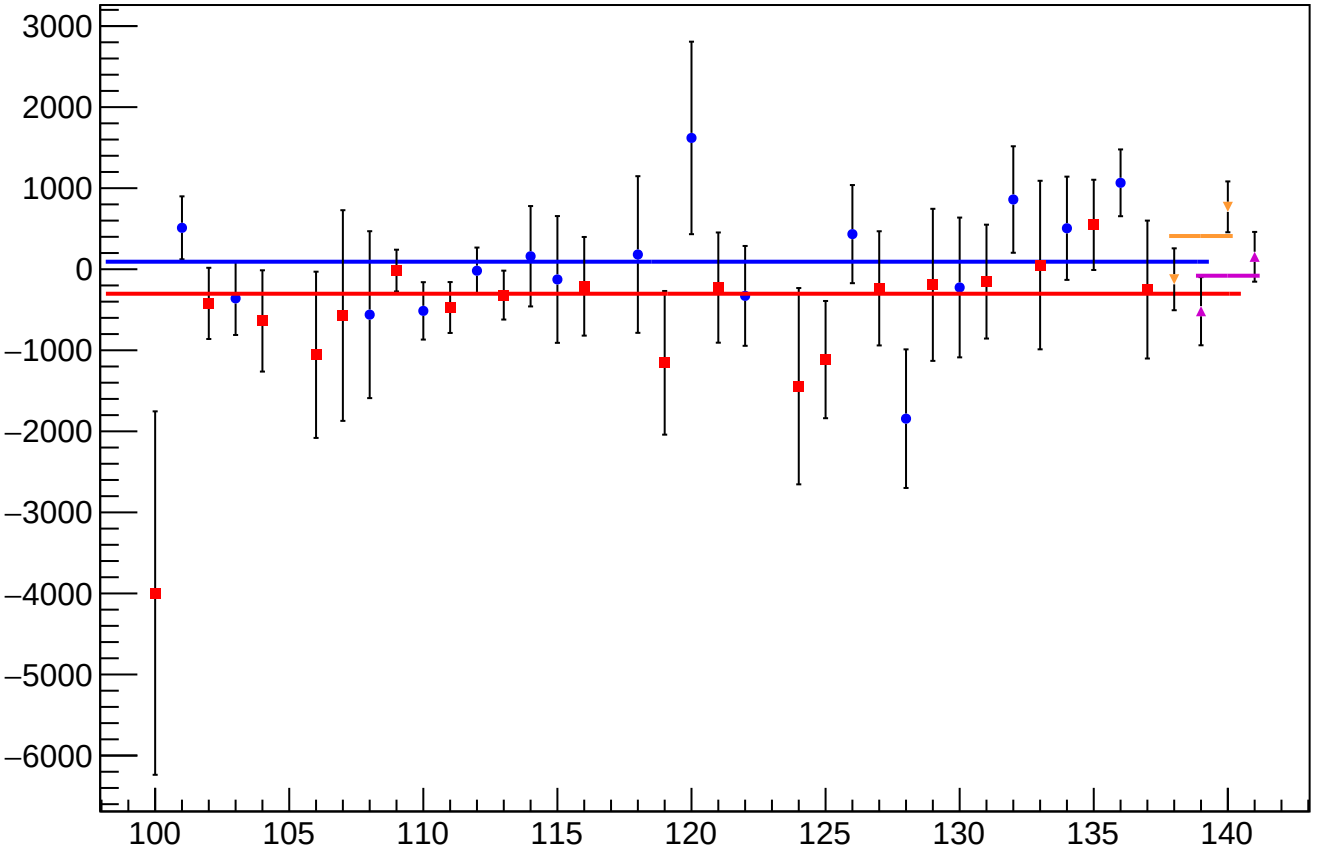
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 316.935+/-0.080 χ^2/NDF:2217630.5/17

Out: 297.459+/-0.076 χ^2/NDF:2571437.5/20

All: 306.648+/-0.055 χ^2/NDF: 4820181.8/38

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 409.805+/-242.381 χ^2/NDF:3.3/1

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: -80.019+/-247.931 χ^2/NDF:1.7/1

Left: 170.436+/-173.318 χ^2/NDF: 6.9/3

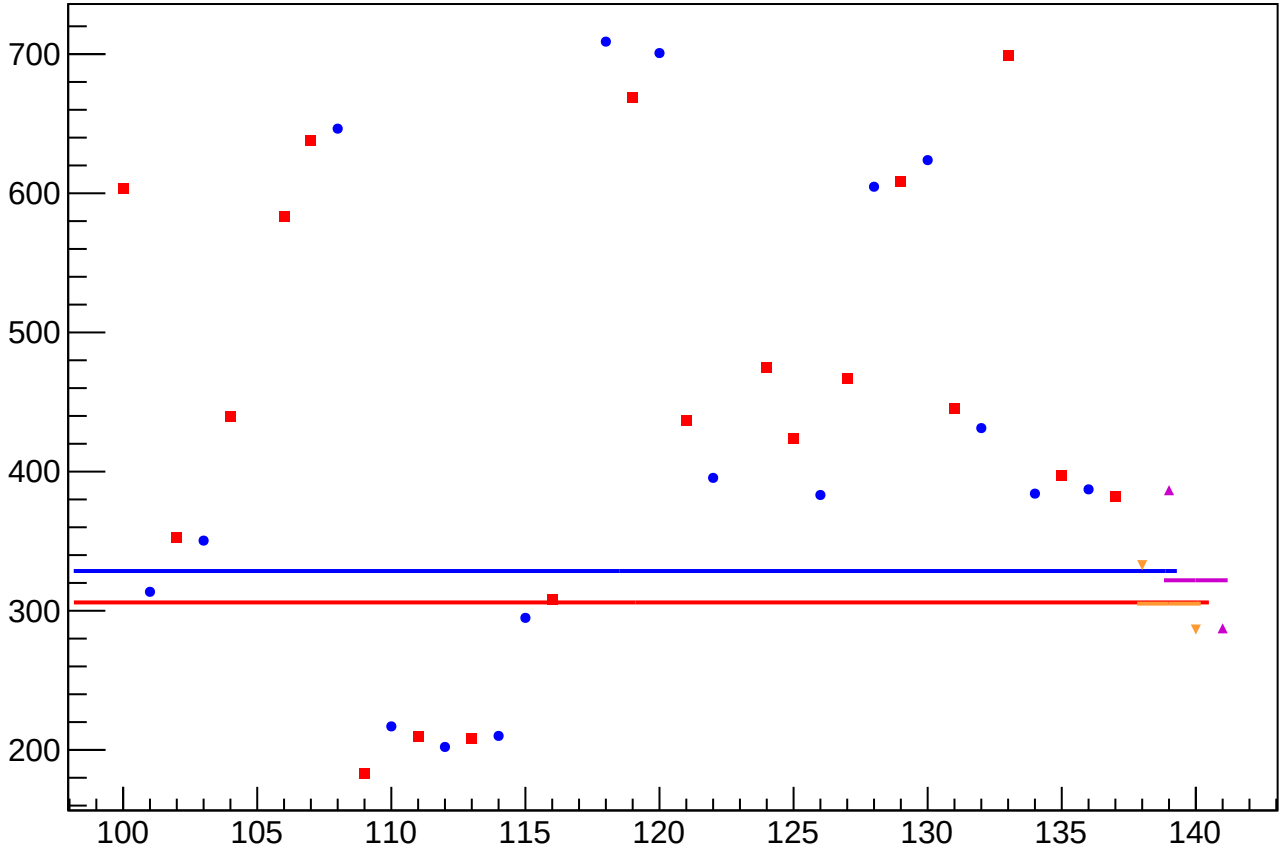
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 54.667+/-116.465 χ^2/NDF:22.9/17

Out: -154.721+/-110.333 χ^2/NDF:20.9/20

All: -55.684+/-80.098 χ^2/NDF: 45.5/38

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 305.129+/-0.171 χ^2/NDF:17531.7/1

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 321.904+/-0.175 χ^2/NDF:72722.6/1

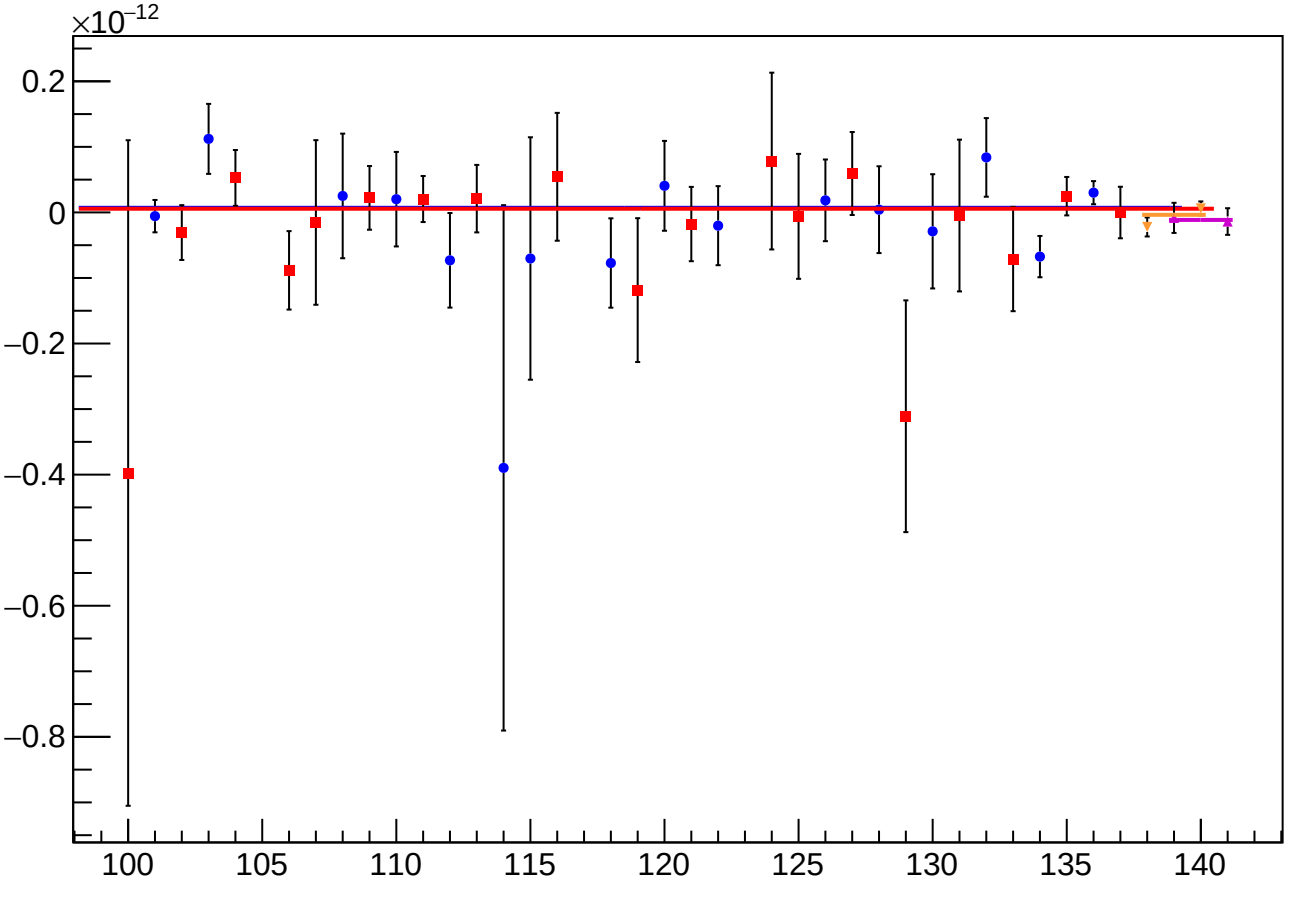
Left: 313.327+/-0.123 χ^2/NDF: 94935.7/3

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 327.096+/-0.082 χ^2/NDF:2032721.5/17

Out: 305.810+/-0.078 χ^2/NDF:2545015.1/20

All: 315.878+/-0.057 χ^2/NDF: 4612945.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

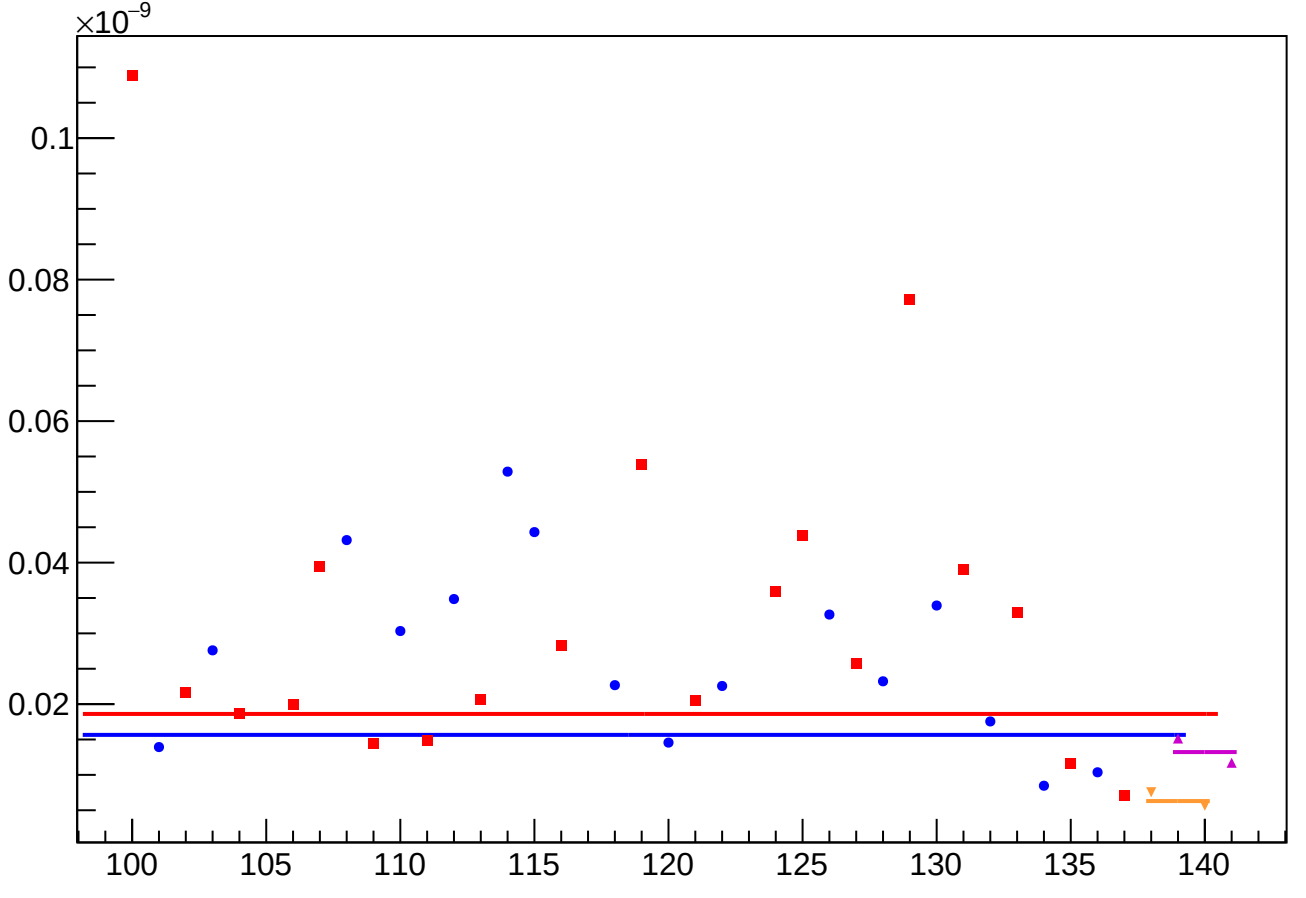
Left: -0.000+/-0.000 χ^2/NDF: 2.7/3

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:18.7/17

Out: -0.000+/-0.000 χ^2/NDF:15.7/20

All: -0.000+/-0.000 χ^2/NDF: 34.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22616.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:24988.3/1

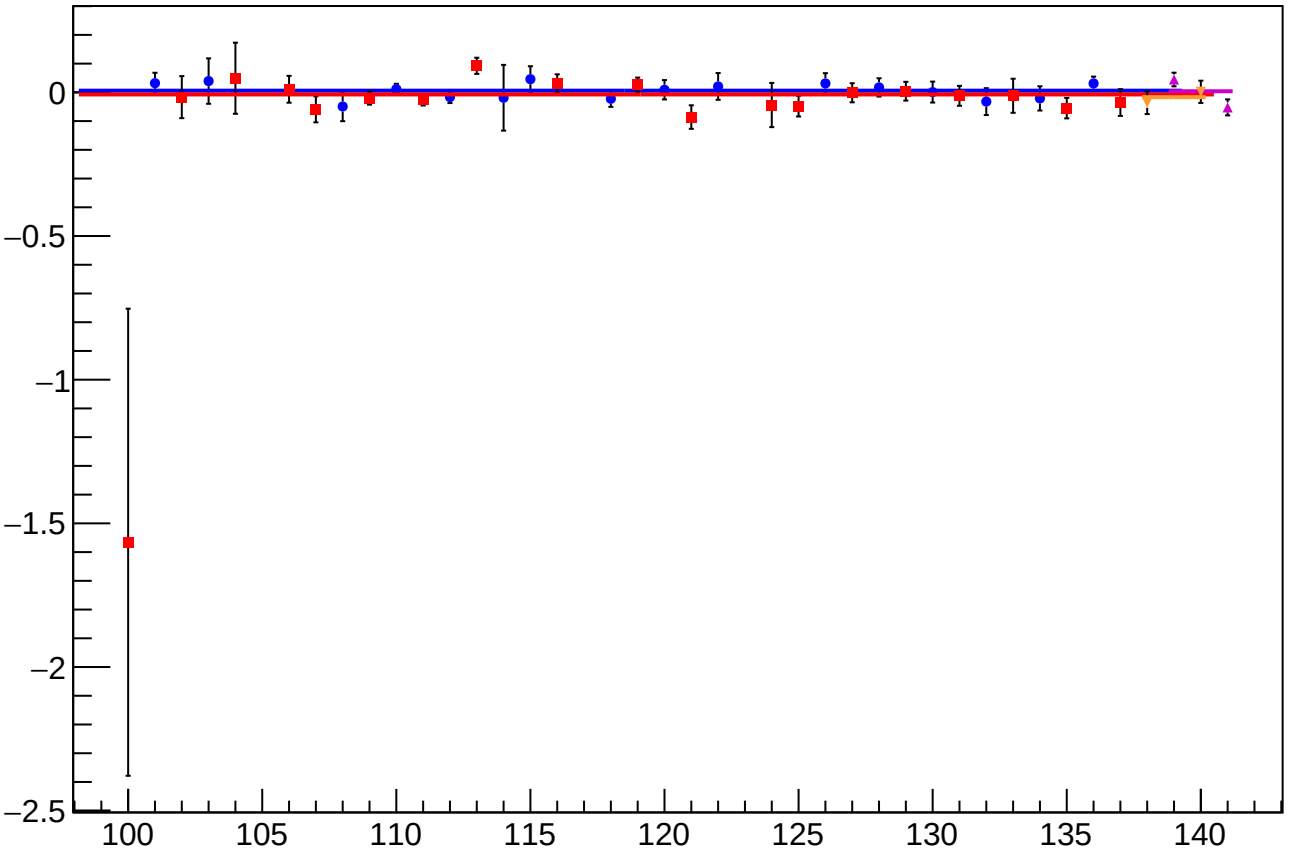
Left: 0.000+/-0.000 χ^2/NDF: 362159.5/3

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:1222966.5/17

Out: 0.000+/-0.000 χ^2/NDF:2526142.6/20

All: 0.000+/-0.000 χ^2/NDF: 4095669.8/38



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.017+/-0.028 χ^2/NDF:0.5/1

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.018 χ^2/NDF:7.0/1

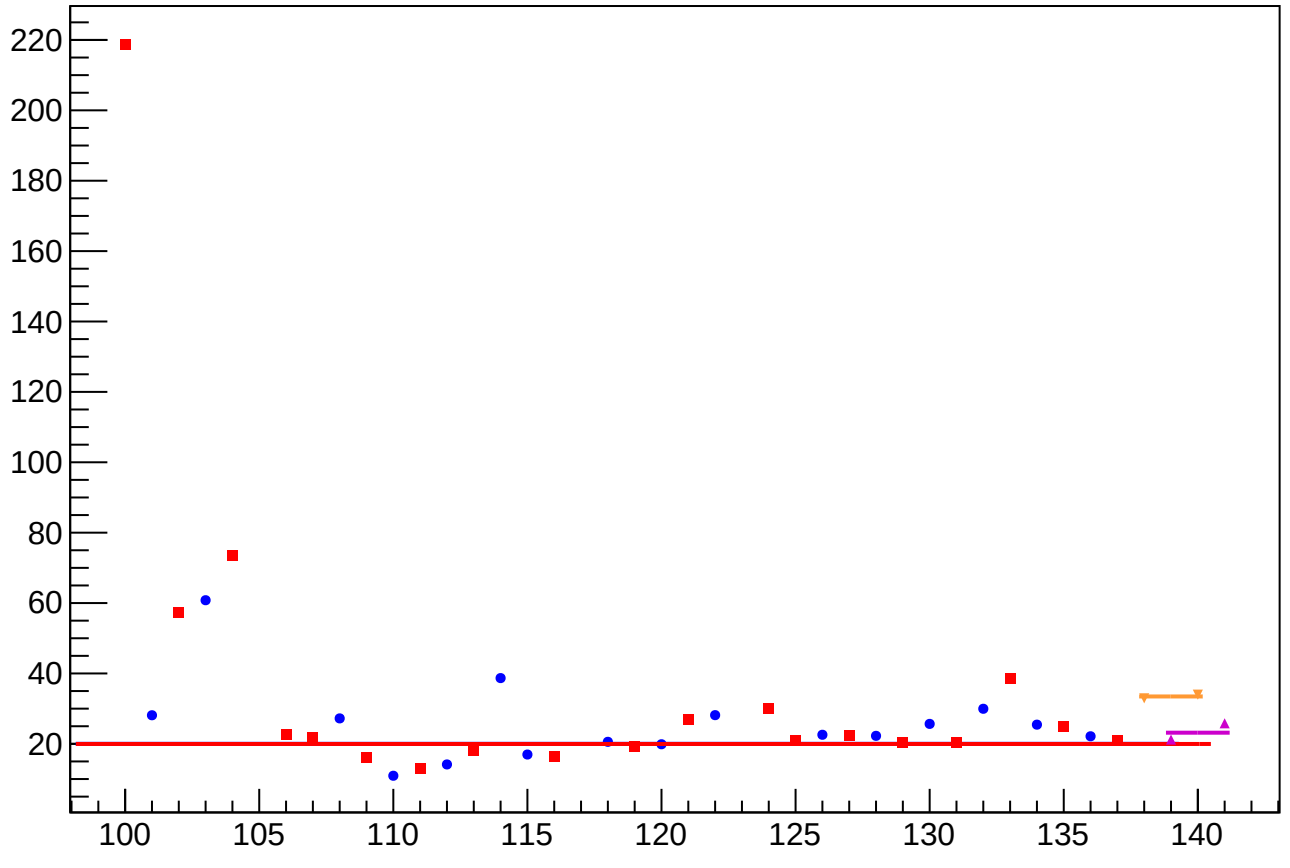
Left: -0.002+/-0.015 χ^2/NDF: 7.9/3

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.007 χ^2/NDF:14.9/17

Out: -0.008+/-0.008 χ^2/NDF:30.4/20

All: -0.001+/-0.005 χ^2/NDF: 46.9/38



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 33.462+/-0.020 χ^2/NDF:716.4/1

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 23.167+/-0.013 χ^2/NDF:31753.1/1

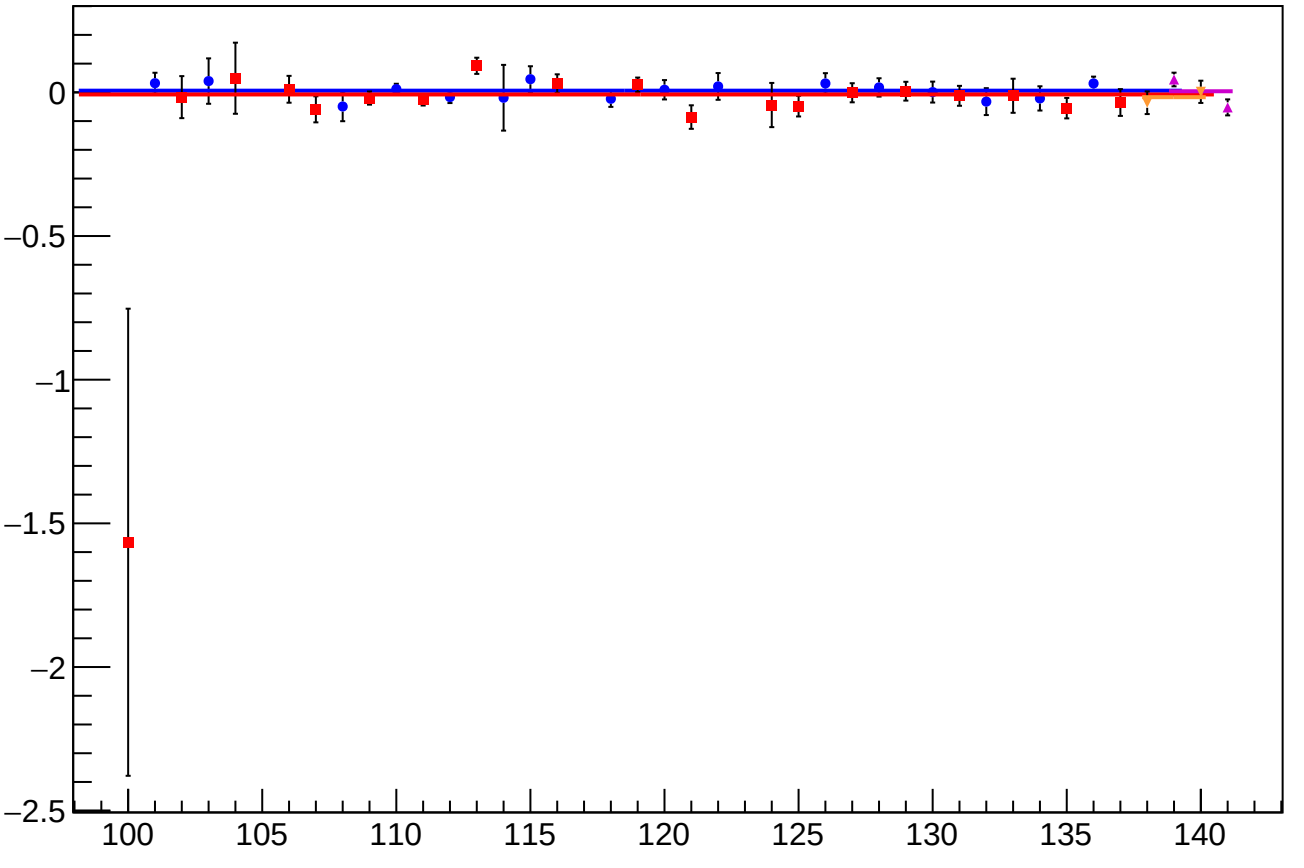
Left: 26.258+/-0.011 χ^2/NDF: 226893.1/3

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 20.536+/-0.005 χ^2/NDF:1724042.1/17

Out: 21.030+/-0.005 χ^2/NDF:2157524.2/20

All: 20.773+/-0.004 χ^2/NDF: 3885790.5/38



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.017+/-0.028 χ^2/NDF:0.5/1

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.018 χ^2/NDF:7.0/1

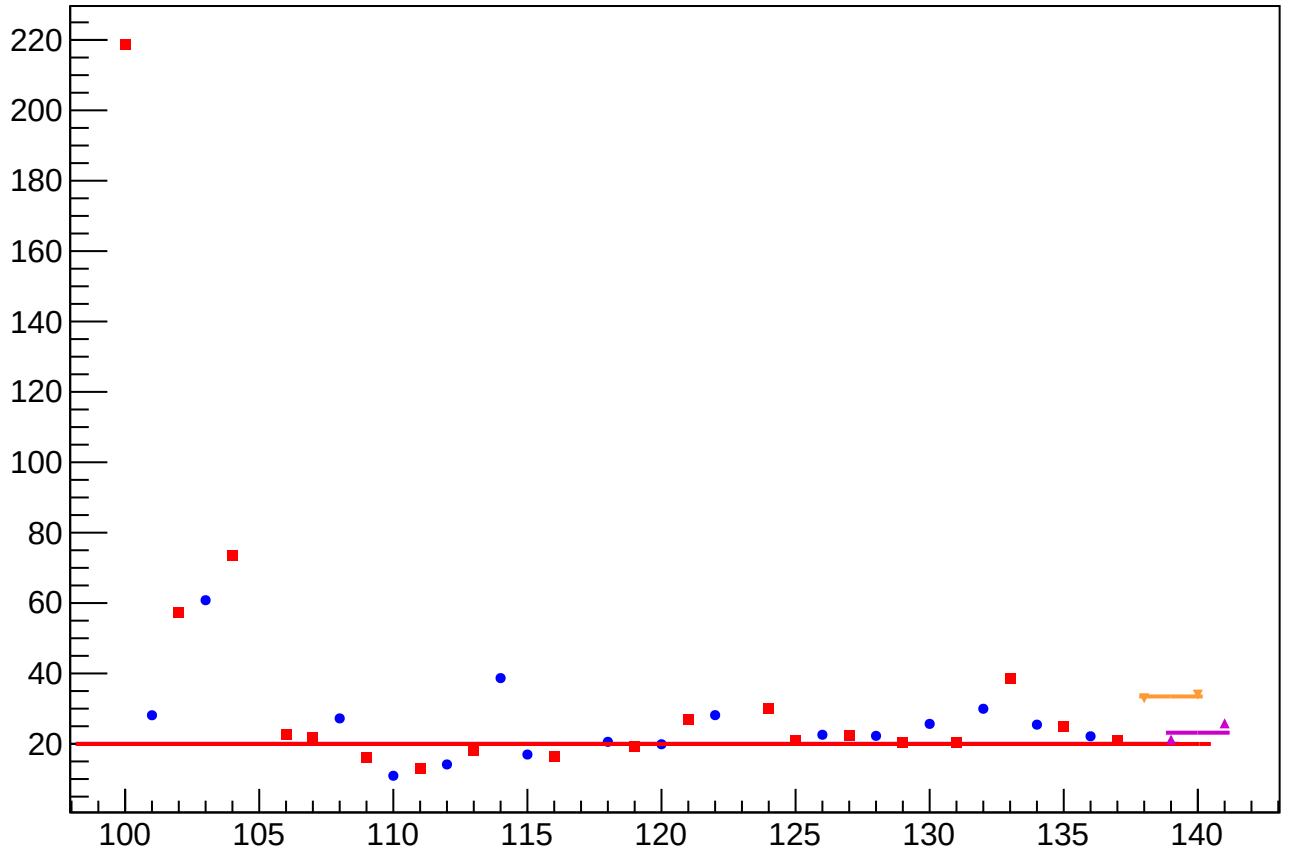
Left: -0.002+/-0.015 χ^2/NDF: 7.9/3

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.007 χ^2/NDF:14.9/17

Out: -0.008+/-0.008 χ^2/NDF:30.4/20

All: -0.001+/-0.005 χ^2/NDF: 46.9/38



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 33.462+/-0.020 χ^2/NDF:716.4/1

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 23.167+/-0.013 χ^2/NDF:31753.1/1

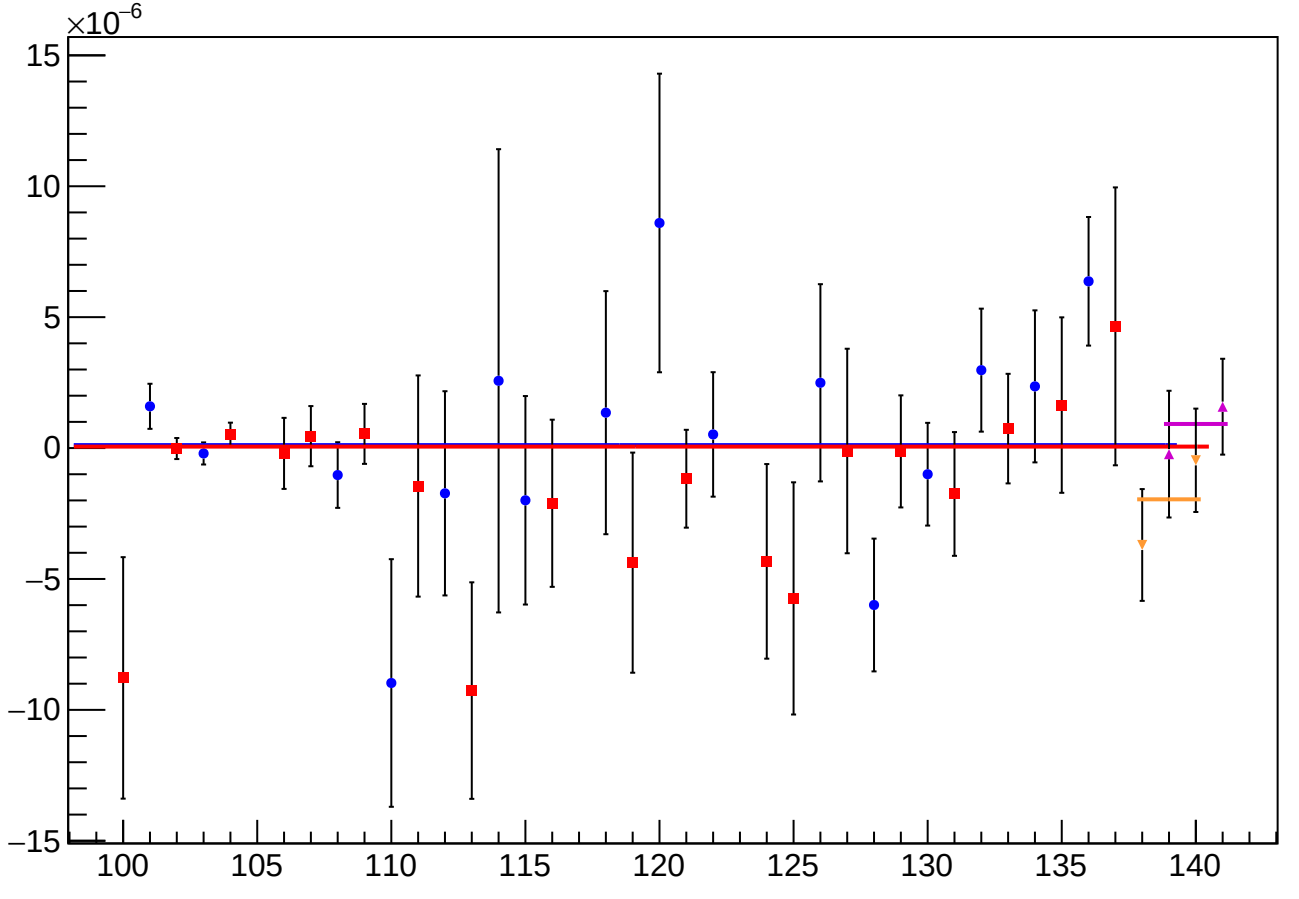
Left: 26.258+/-0.011 χ^2/NDF: 226893.1/3

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 20.536+/-0.005 χ^2/NDF:1724042.1/17

Out: 21.030+/-0.005 χ^2/NDF:2157524.2/20

All: 20.773+/-0.004 χ^2/NDF: 3885790.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

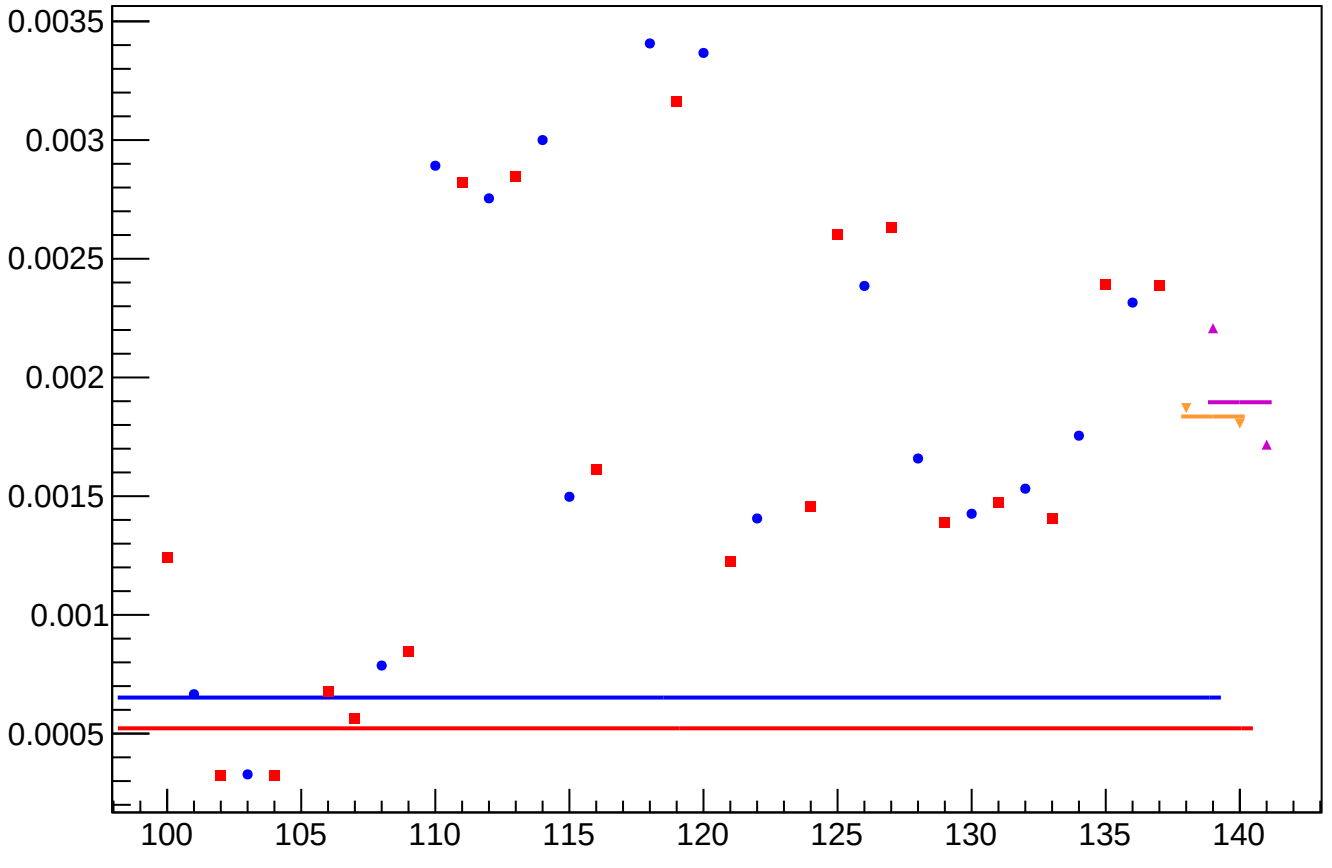
Left: -0.000+/-0.000 χ^2/NDF: 3.6/3

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:26.7/17

Out: -0.000+/-0.000 χ^2/NDF:20.2/20

All: 0.000+/-0.000 χ^2/NDF: 47.1/38



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1005.5/1

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:52177.3/1

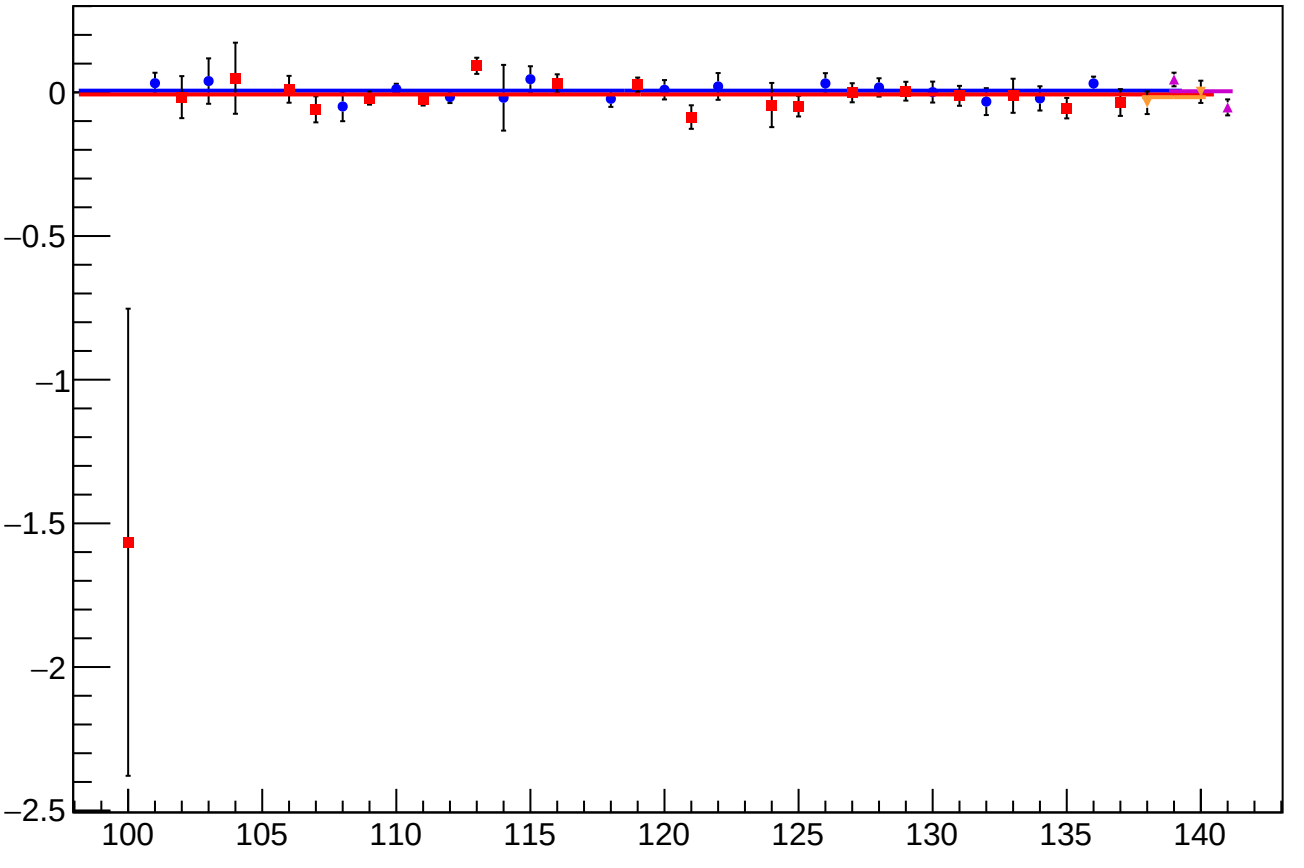
Left: 0.002+/-0.000 χ^2/NDF: 54886.7/3

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:7789354.1/17

Out: 0.001+/-0.000 χ^2/NDF:8268510.6/20

All: 0.001+/-0.000 χ^2/NDF: 16321177.3/38



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.017+/-0.028 χ^2/NDF:0.5/1

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.018 χ^2/NDF:7.0/1

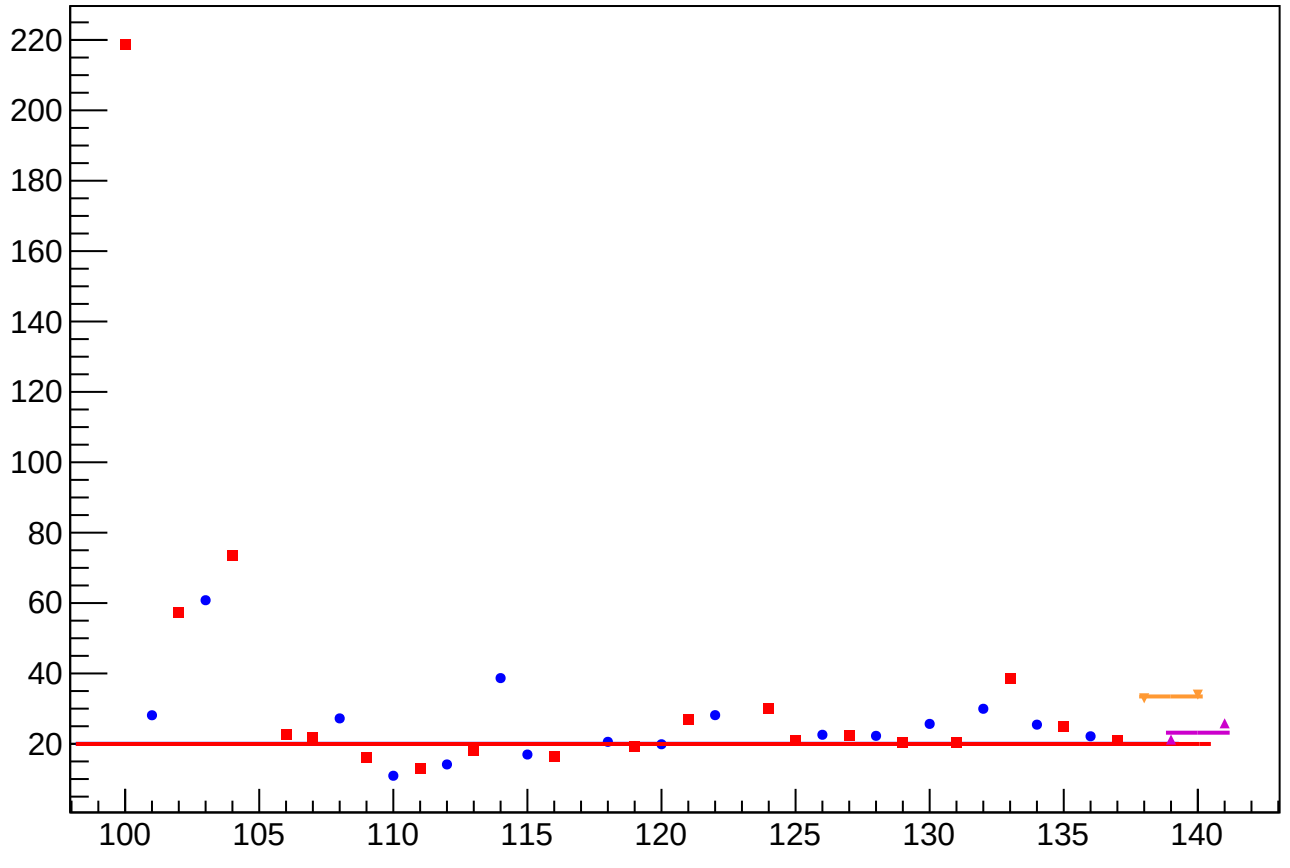
Left: -0.002+/-0.015 χ^2/NDF: 7.9/3

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.007 χ^2/NDF:14.9/17

Out: -0.008+/-0.008 χ^2/NDF:30.4/20

All: -0.001+/-0.005 χ^2/NDF: 46.9/38



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 33.462+/-0.020 χ^2/NDF:716.8/1

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 23.167+/-0.013 χ^2/NDF:31755.7/1

Left: 26.258+/-0.011 χ^2/NDF: 226896.7/3

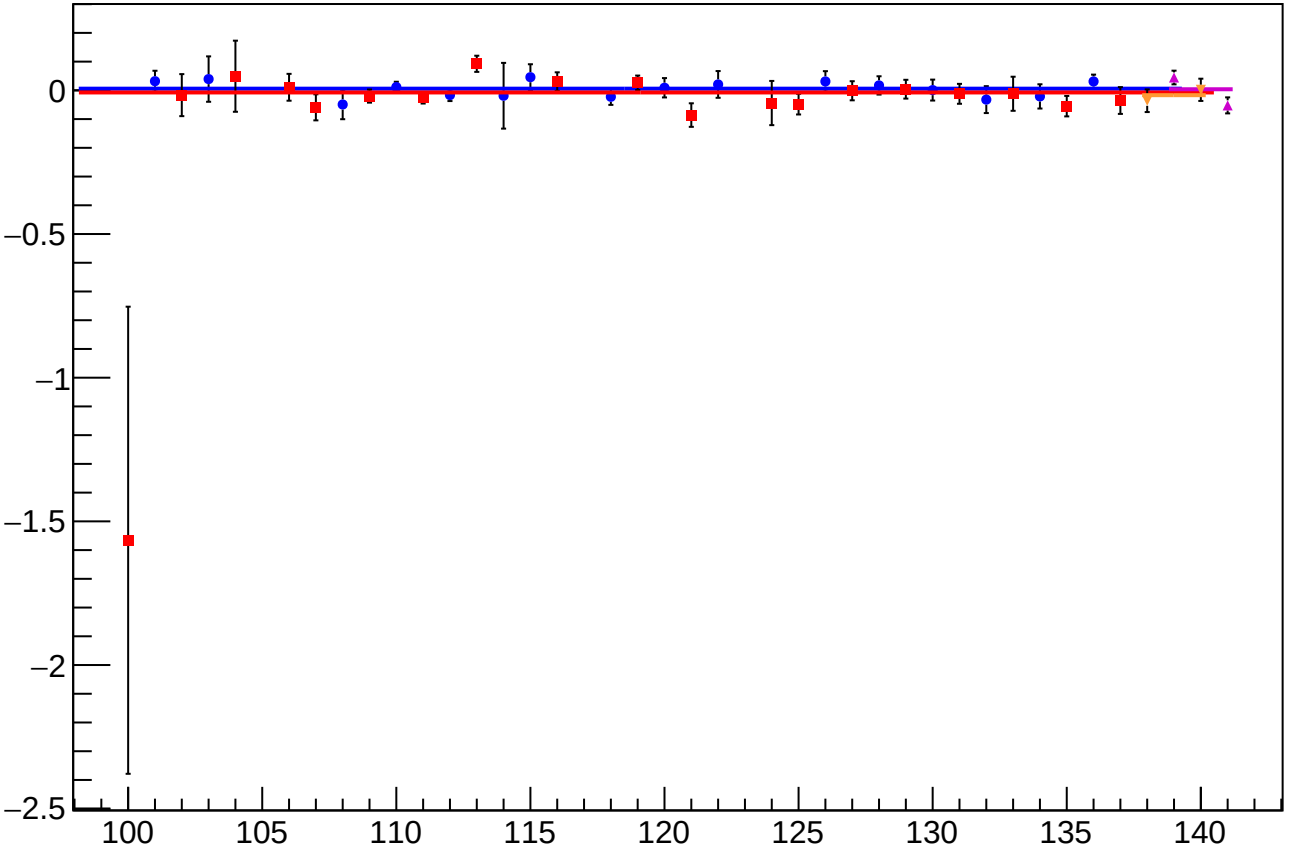
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 20.536+/-0.005 χ^2/NDF:1723854.0/17

Out: 21.031+/-0.005 χ^2/NDF:2157450.3/20

All: 20.773+/-0.004 χ^2/NDF: 3885523.7/38

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.017+/-0.028 χ^2/NDF:0.5/1

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.018 χ^2/NDF:7.0/1

Left: -0.002+/-0.015 χ^2/NDF: 7.9/3

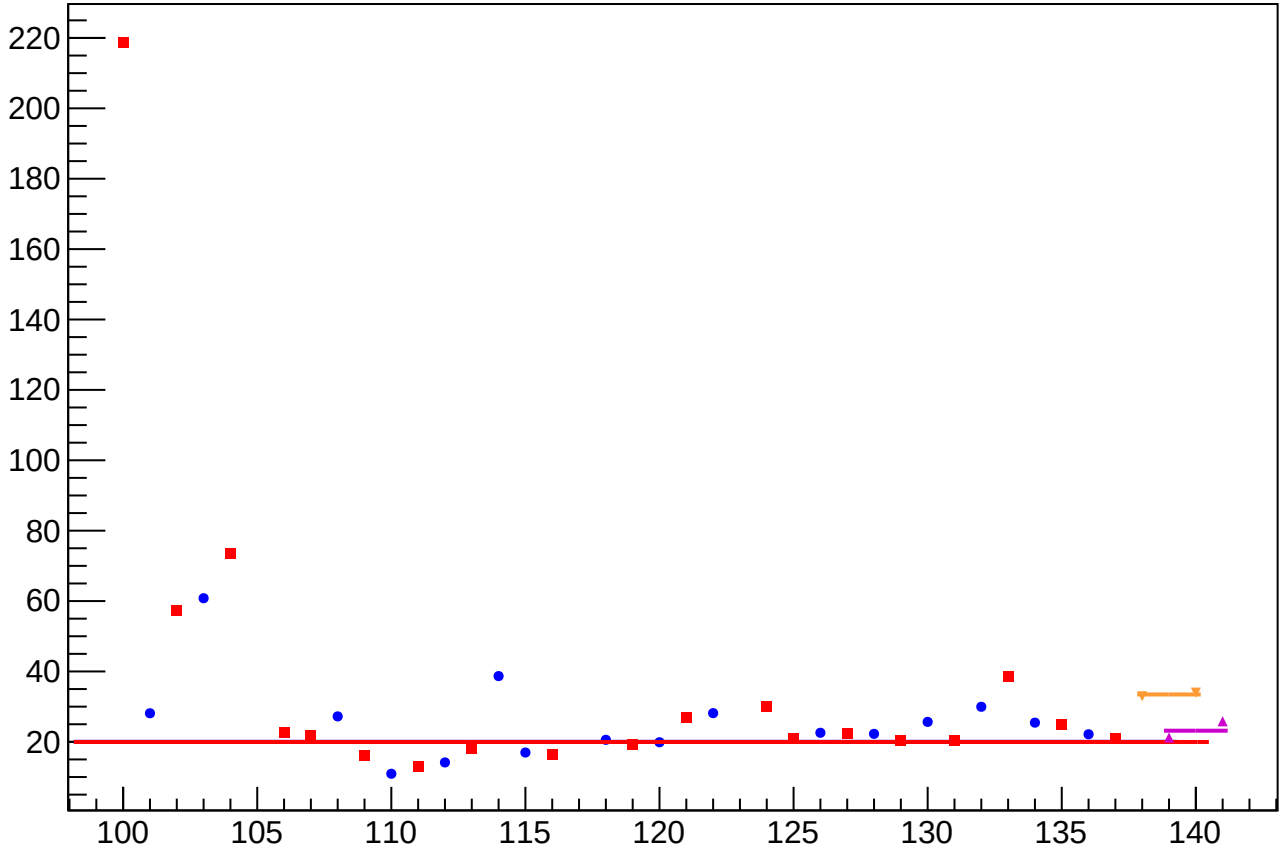
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.007 χ^2/NDF:14.9/17

Out: -0.008+/-0.008 χ^2/NDF:30.4/20

All: -0.001+/-0.005 χ^2/NDF: 46.9/38

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 33.462+/-0.020 χ^2/NDF:716.8/1

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 23.167+/-0.013 χ^2/NDF:31755.7/1

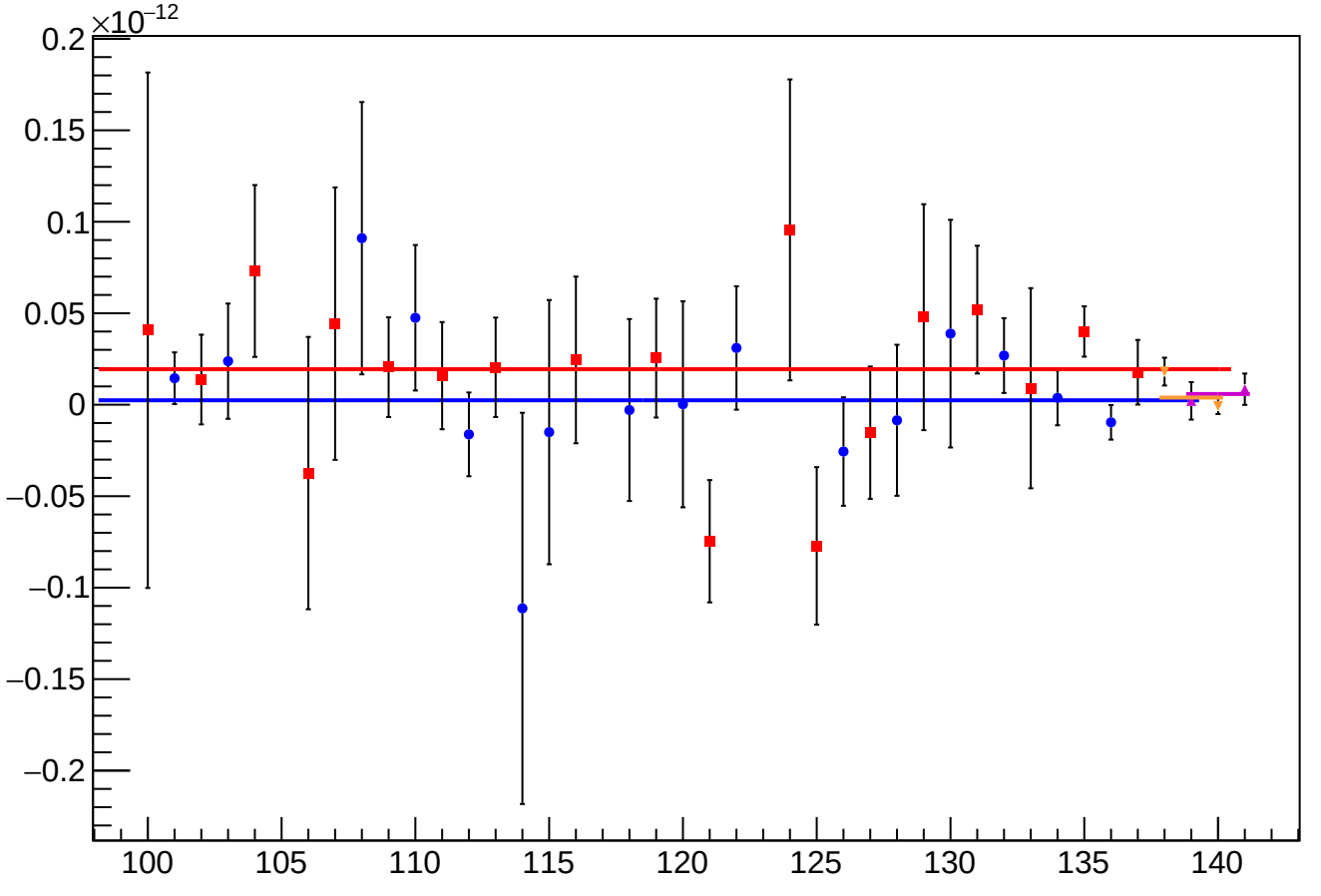
Left: 26.258+/-0.011 χ^2/NDF: 226896.7/3

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 20.536+/-0.005 χ^2/NDF:1723854.0/17

Out: 21.031+/-0.005 χ^2/NDF:2157450.3/20

All: 20.773+/-0.004 χ^2/NDF: 3885523.7/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

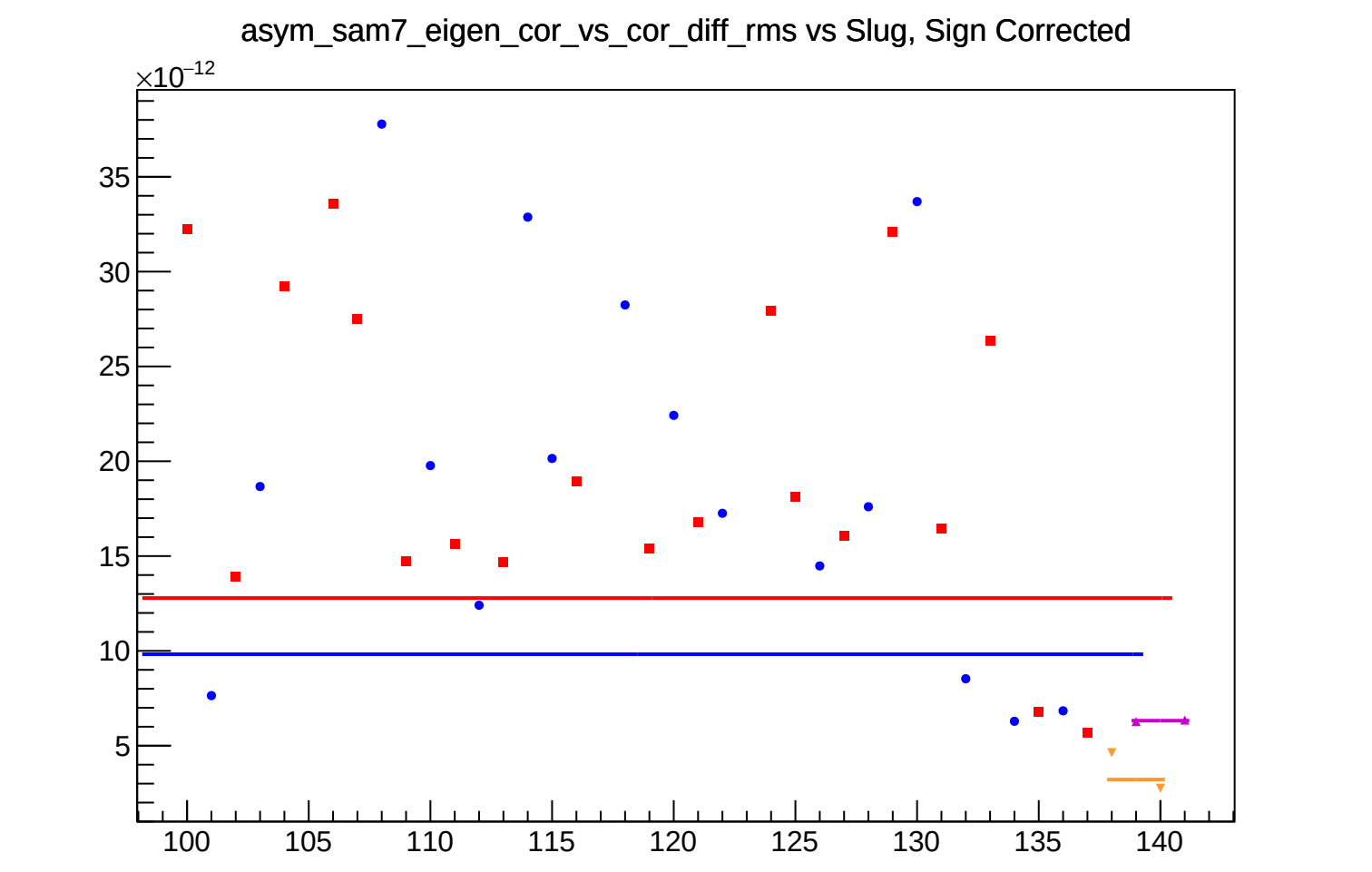
Left: 0.000+/-0.000 χ^2/NDF: 4.9/3

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:11.2/17

Out: 0.000+/-0.000 χ^2/NDF:28.6/20

All: 0.000+/-0.000 χ^2/NDF: 40.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:91539.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:78.0/1

Left: 0.000+/-0.000 χ^2/NDF: 427212.5/3

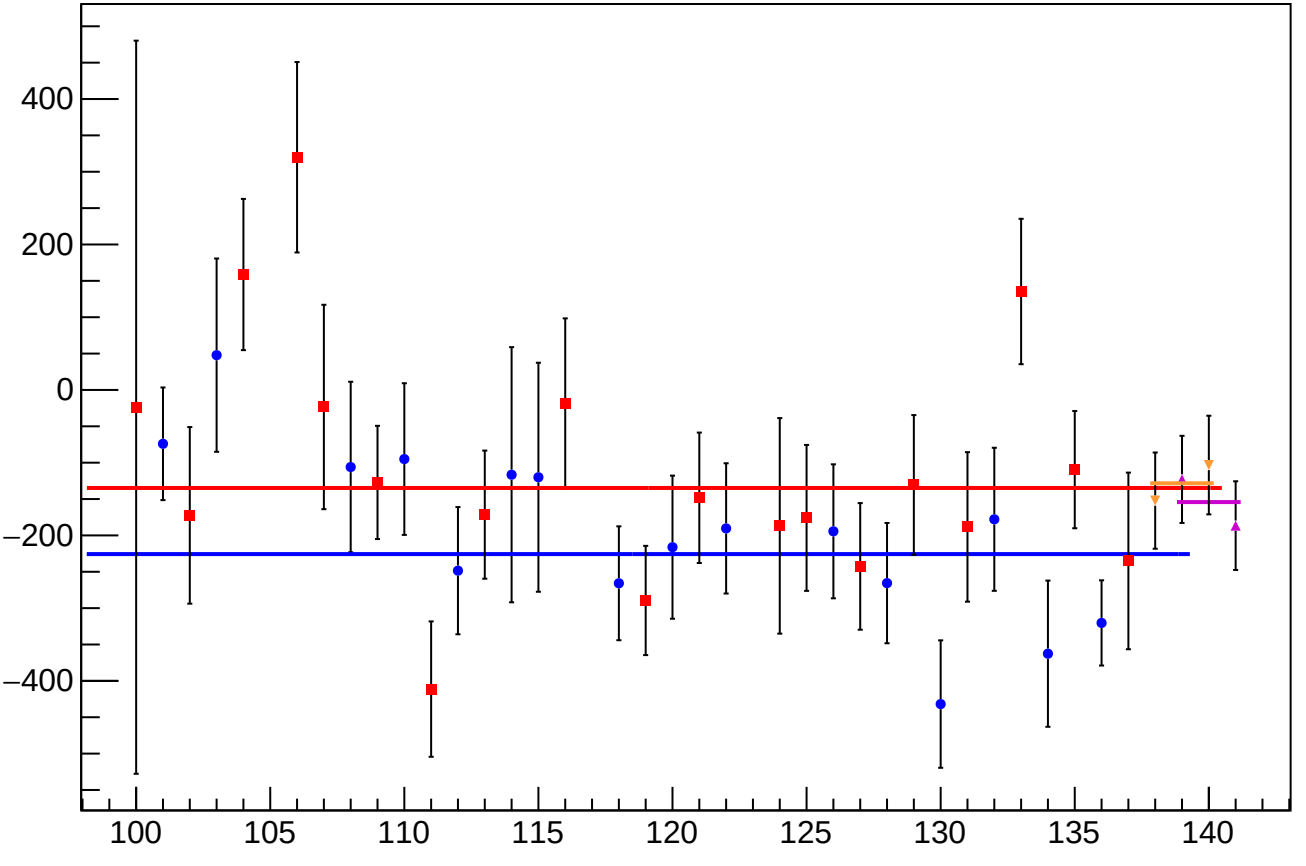
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:2300628.4/17

Out: 0.000+/-0.000 χ^2/NDF:4750794.8/20

All: 0.000+/-0.000 χ^2/NDF: 7647674.3/38

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -128.323+/-47.350 χ^2/NDF:0.3/1

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -154.183+/-42.727 χ^2/NDF:0.6/1

Left: -142.577+/-31.722 χ^2/NDF: 1.0/3

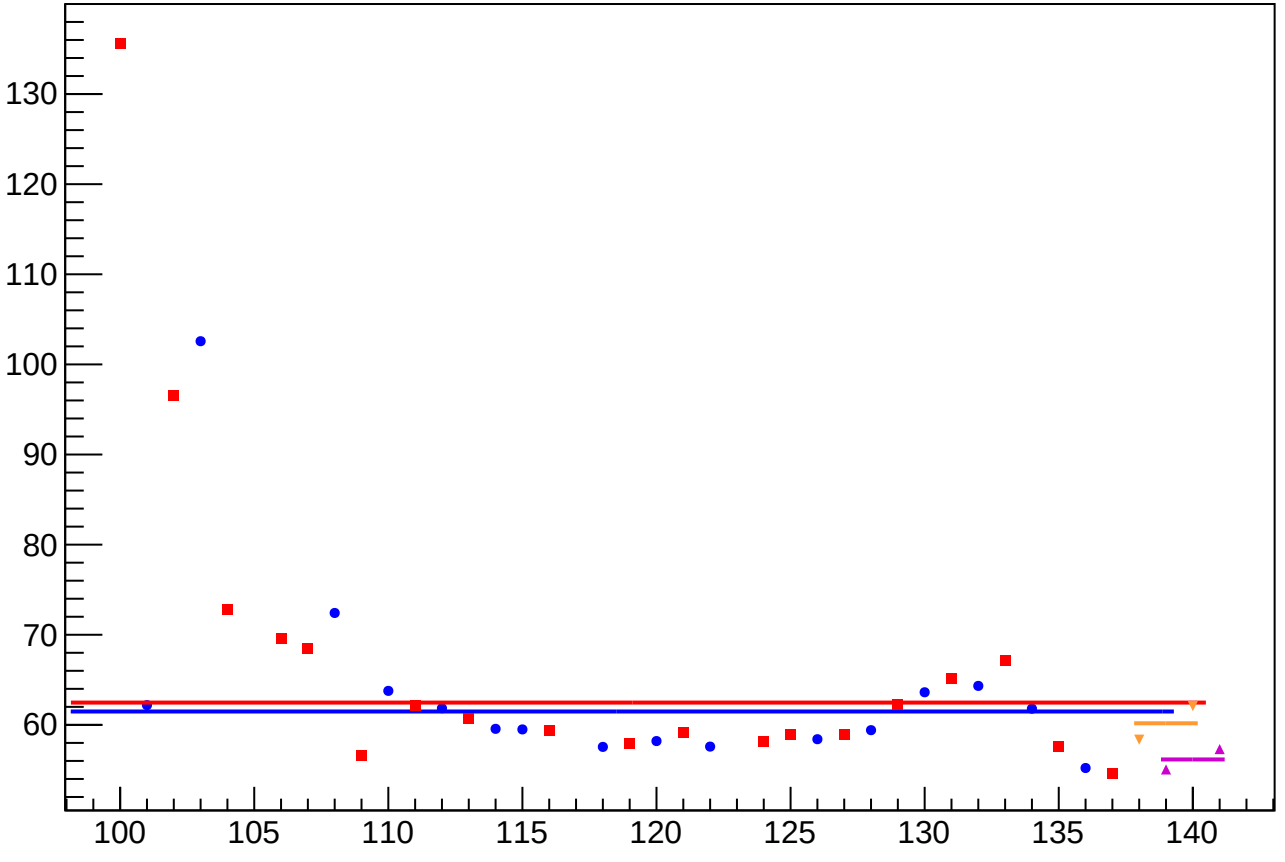
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -209.498+/-20.333 χ^2/NDF:25.3/17

Out: -133.516+/-20.828 χ^2/NDF:45.5/20

All: -172.420+/-14.549 χ^2/NDF: 77.7/38

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 60.176+/-0.033 χ^2/NDF:3089.7/1

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.165+/-0.030 χ^2/NDF:1398.1/1

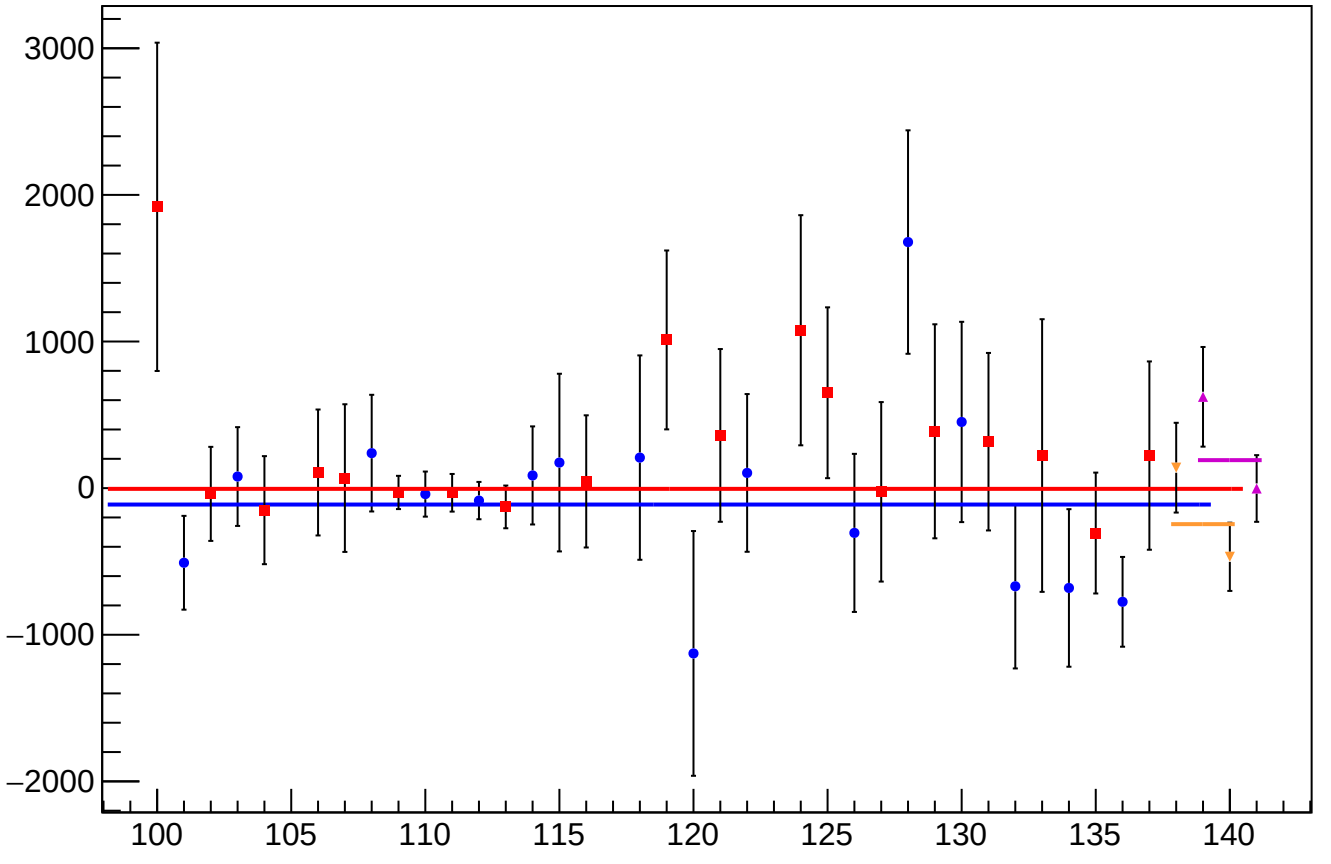
Left: 57.965+/-0.022 χ^2/NDF: 12397.2/3

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 60.281+/-0.014 χ^2/NDF:276059.1/17

Out: 62.031+/-0.015 χ^2/NDF:288043.6/20

All: 61.135+/-0.010 χ^2/NDF: 571330.8/38



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -245.550+/-185.293 χ^2/NDF:2.5/1

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 190.958+/-188.997 χ^2/NDF:2.3/1

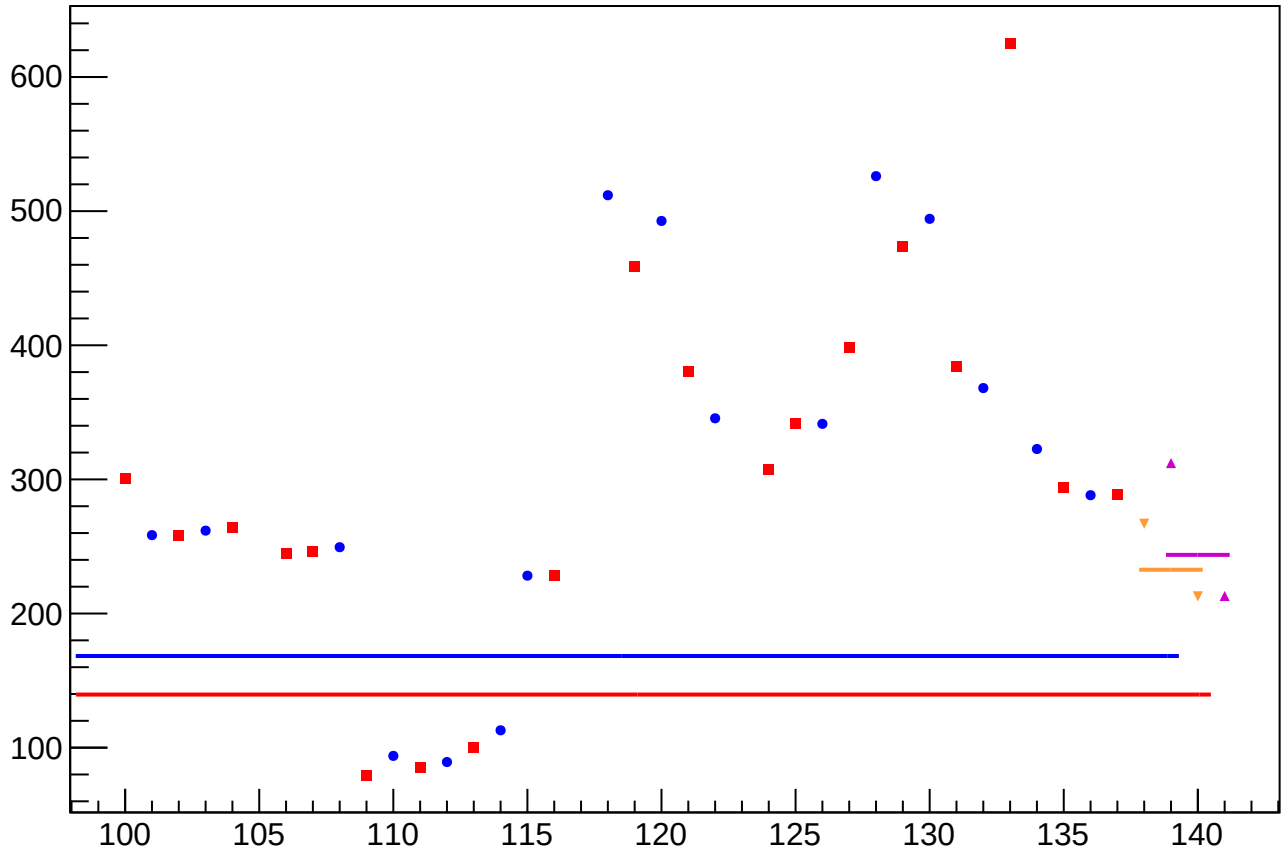
Left: -31.615+/-132.312 χ^2/NDF: 7.6/3

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -69.527+/-70.682 χ^2/NDF:23.0/17

Out: -30.495+/-60.436 χ^2/NDF:15.6/20

All: -46.980+/-45.934 χ^2/NDF: 38.8/38



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 232.648+/-0.131 χ^2/NDF:39649.1/1

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 243.728+/-0.134 χ^2/NDF:117467.4/1

Left: 238.079+/-0.094 χ^2/NDF: 160621.5/3

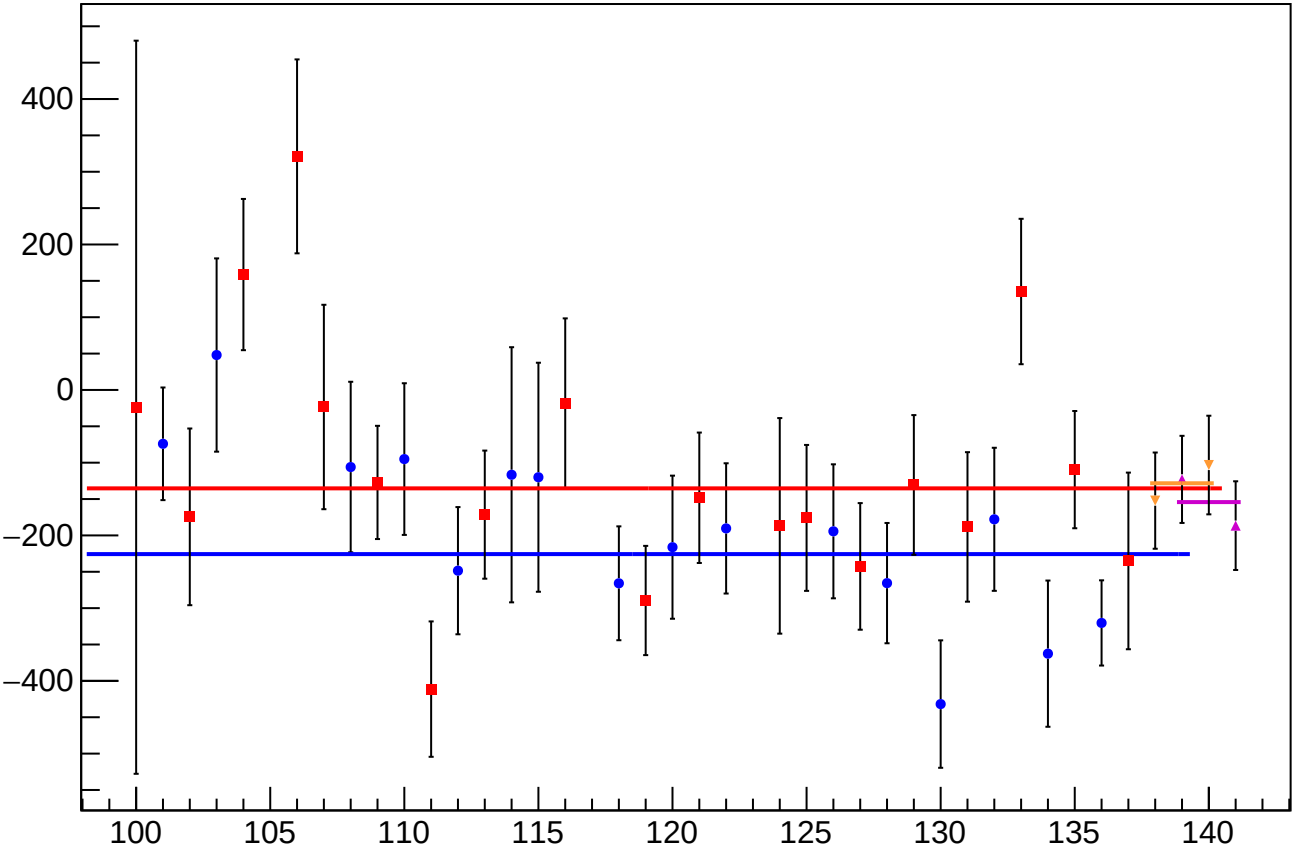
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 178.875+/-0.050 χ^2/NDF:4935302.8/17

Out: 149.493+/-0.043 χ^2/NDF:5644556.5/20

All: 161.902+/-0.032 χ^2/NDF: 10779502.8/38

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -128.312+/-47.350 χ^2/NDF:0.3/1

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -154.185+/-42.727 χ^2/NDF:0.6/1

Left: -142.573+/-31.722 χ^2/NDF: 1.0/3

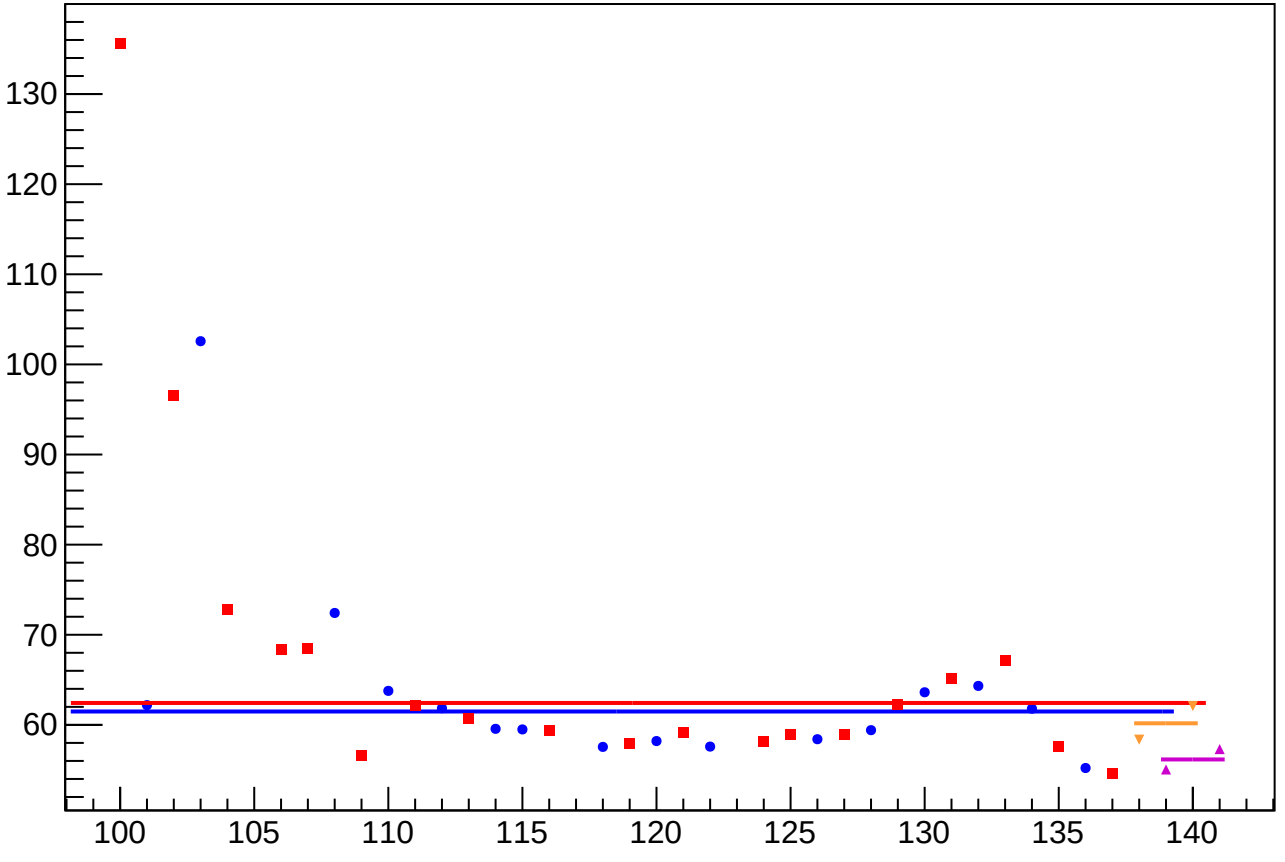
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -209.499+/-20.333 χ^2/NDF:25.3/17

Out: -133.955+/-20.837 χ^2/NDF:45.2/20

All: -172.652+/-14.553 χ^2/NDF: 77.2/38

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 60.176+/-0.033 χ^2/NDF:3089.7/1

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.165+/-0.030 χ^2/NDF:1398.1/1

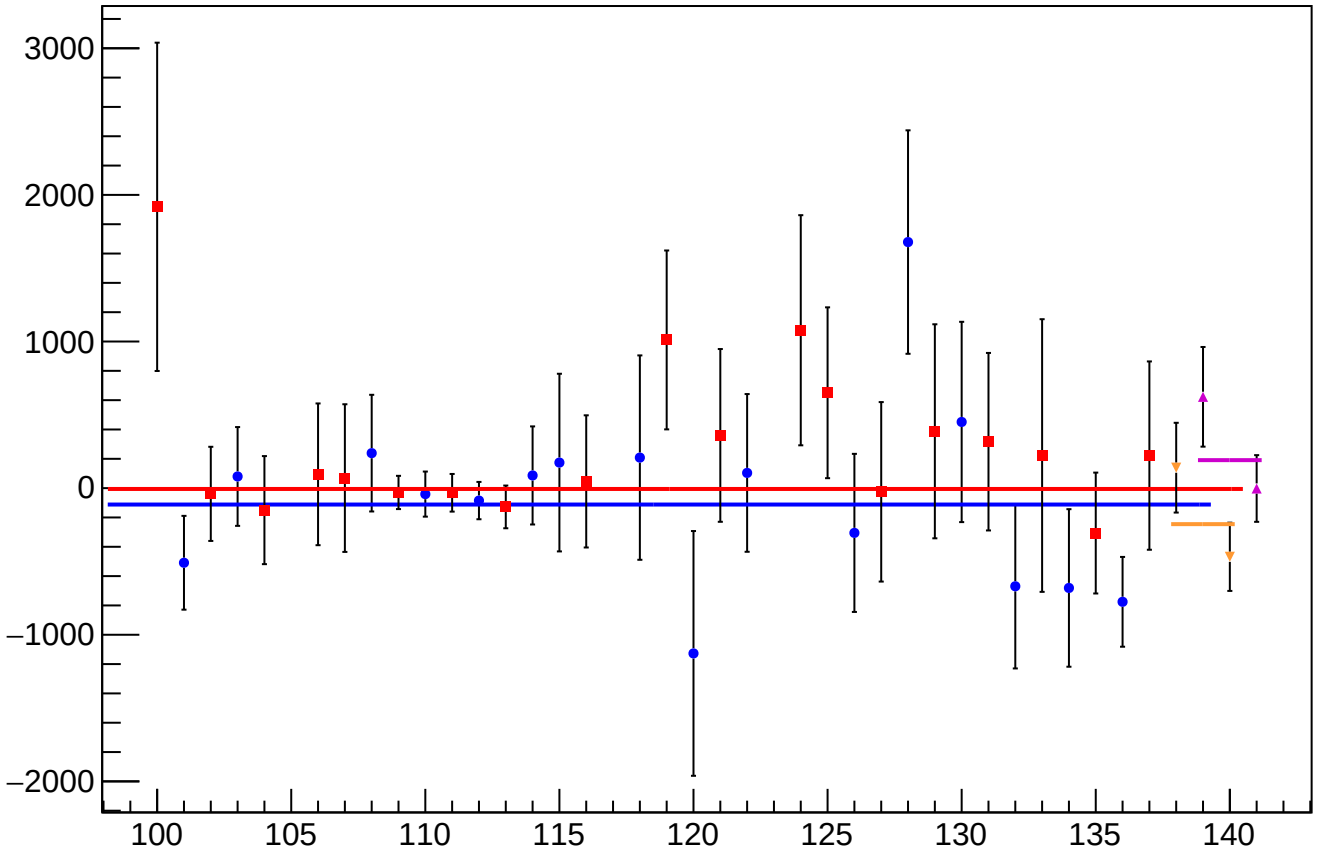
Left: 57.965+/-0.022 χ^2/NDF: 12397.2/3

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 60.281+/-0.014 χ^2/NDF:276061.7/17

Out: 61.996+/-0.015 χ^2/NDF:286162.0/20

All: 61.117+/-0.010 χ^2/NDF: 569161.0/38



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -245.543+/-185.292 χ^2/NDF:2.5/1

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 190.950+/-188.997 χ^2/NDF:2.3/1

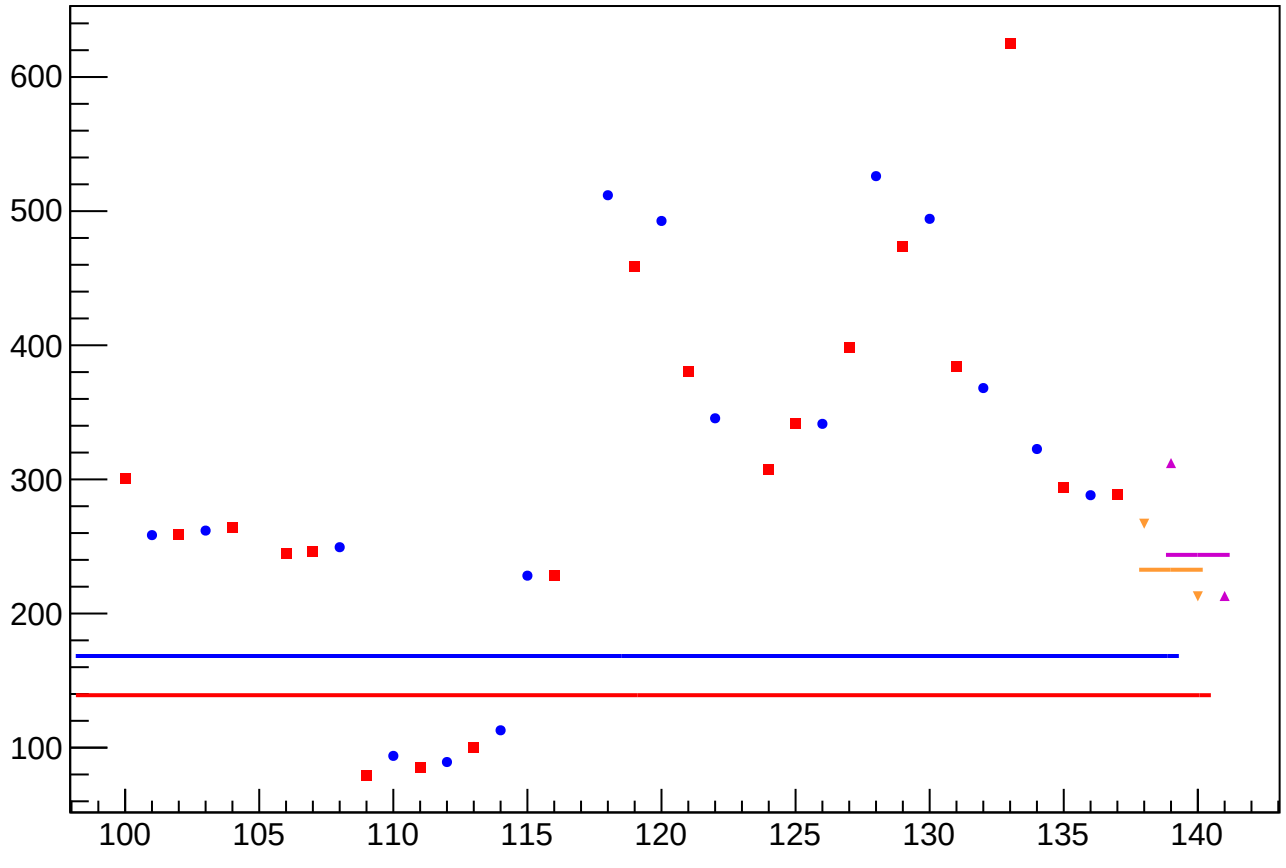
Left: -31.616+/-132.312 χ^2/NDF: 7.6/3

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -69.513+/-70.682 χ^2/NDF:23.0/17

Out: -31.249+/-60.565 χ^2/NDF:15.6/20

All: -47.449+/-45.991 χ^2/NDF: 38.8/38



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 232.647+/-0.131 χ^2/NDF:39648.5/1

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 243.728+/-0.134 χ^2/NDF:117467.1/1

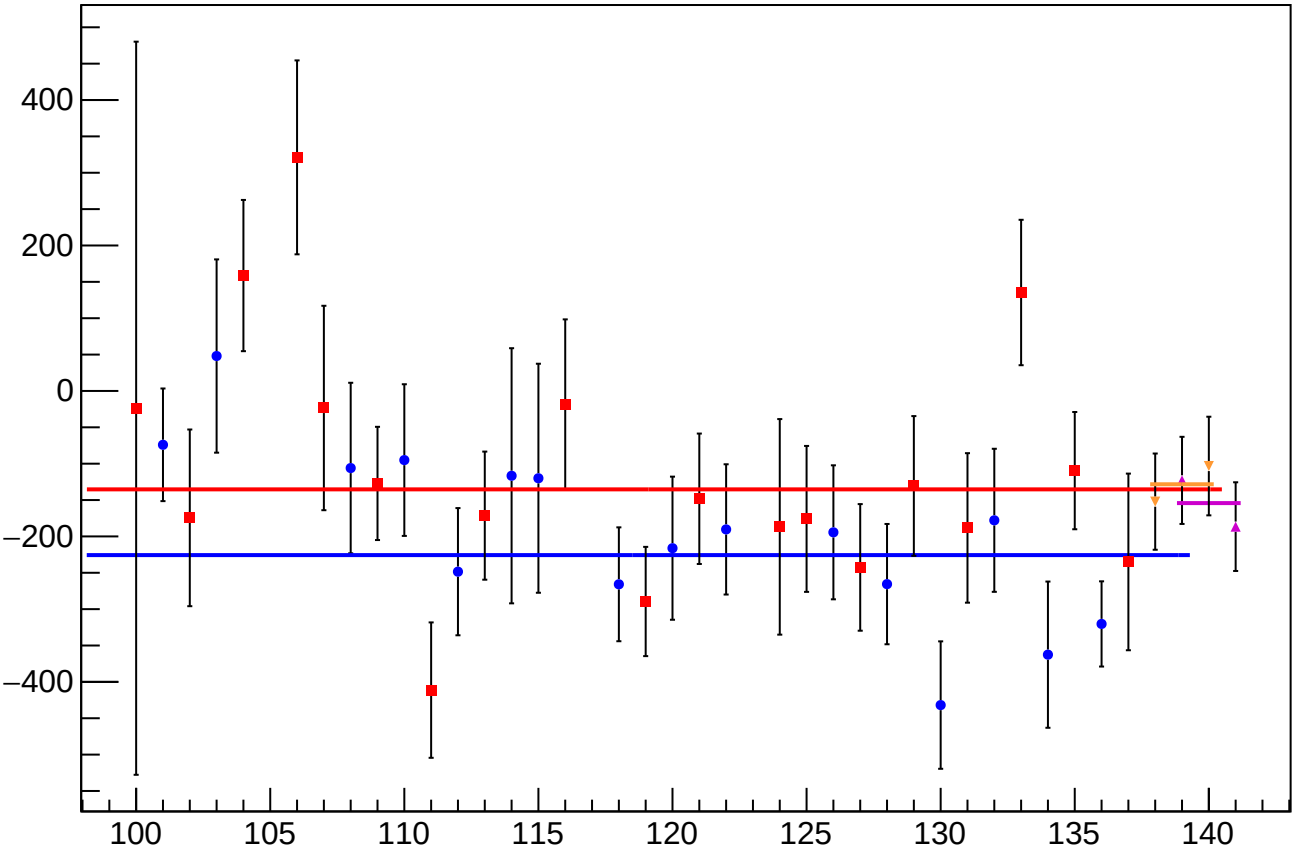
Left: 238.078+/-0.094 χ^2/NDF: 160621.1/3

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 178.876+/-0.050 χ^2/NDF:4935355.7/17

Out: 149.099+/-0.043 χ^2/NDF:5624926.7/20

All: 161.705+/-0.033 χ^2/NDF: 10764958.5/38



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -128.312+/-47.350 χ^2/NDF:0.3/1

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -154.185+/-42.727 χ^2/NDF:0.6/1

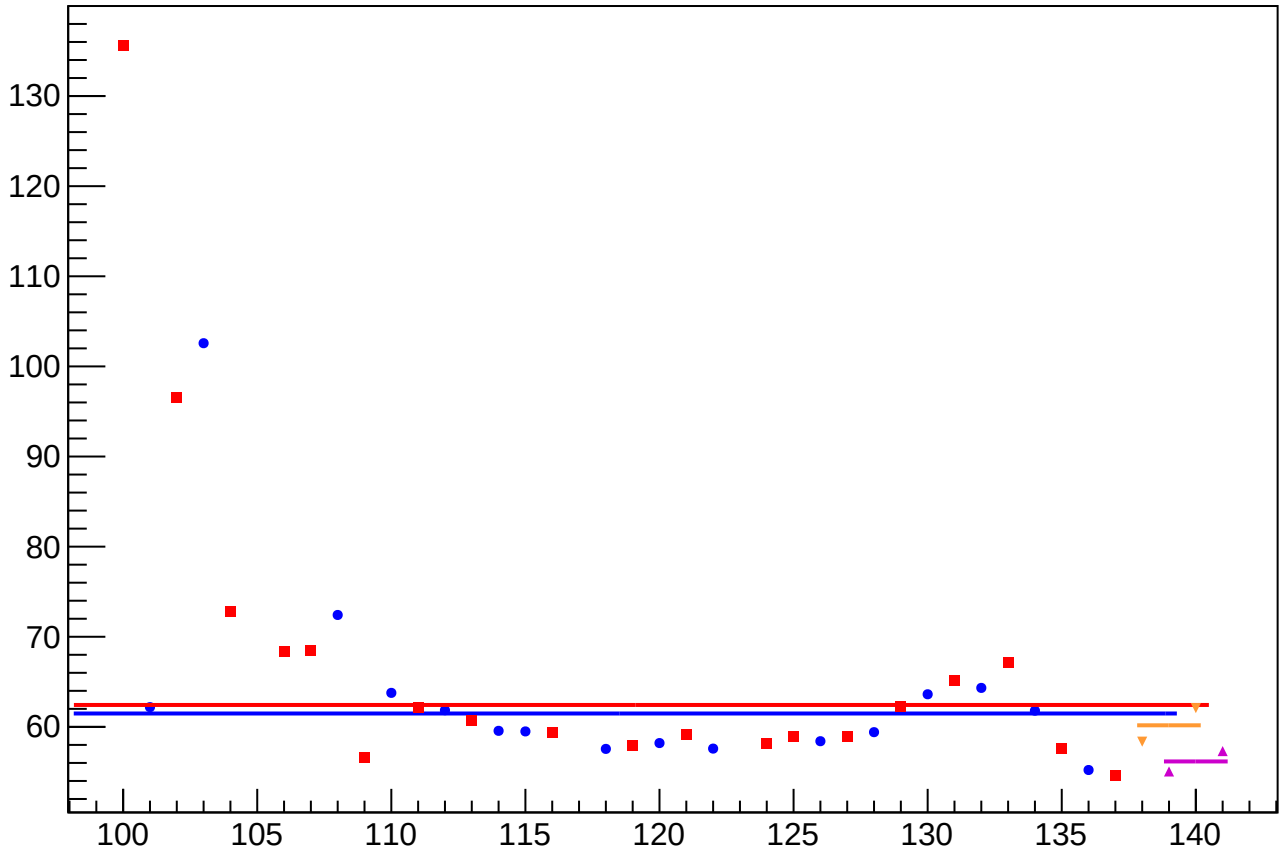
Left: -142.573+/-31.722 χ^2/NDF: 1.0/3

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -209.499+/-20.333 χ^2/NDF:25.3/17

Out: -133.955+/-20.837 χ^2/NDF:45.2/20

All: -172.652+/-14.553 χ^2/NDF: 77.2/38



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 60.176+/-0.033 χ^2/NDF:3089.7/1

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.165+/-0.030 χ^2/NDF:1398.1/1

Left: 57.965+/-0.022 χ^2/NDF: 12397.2/3

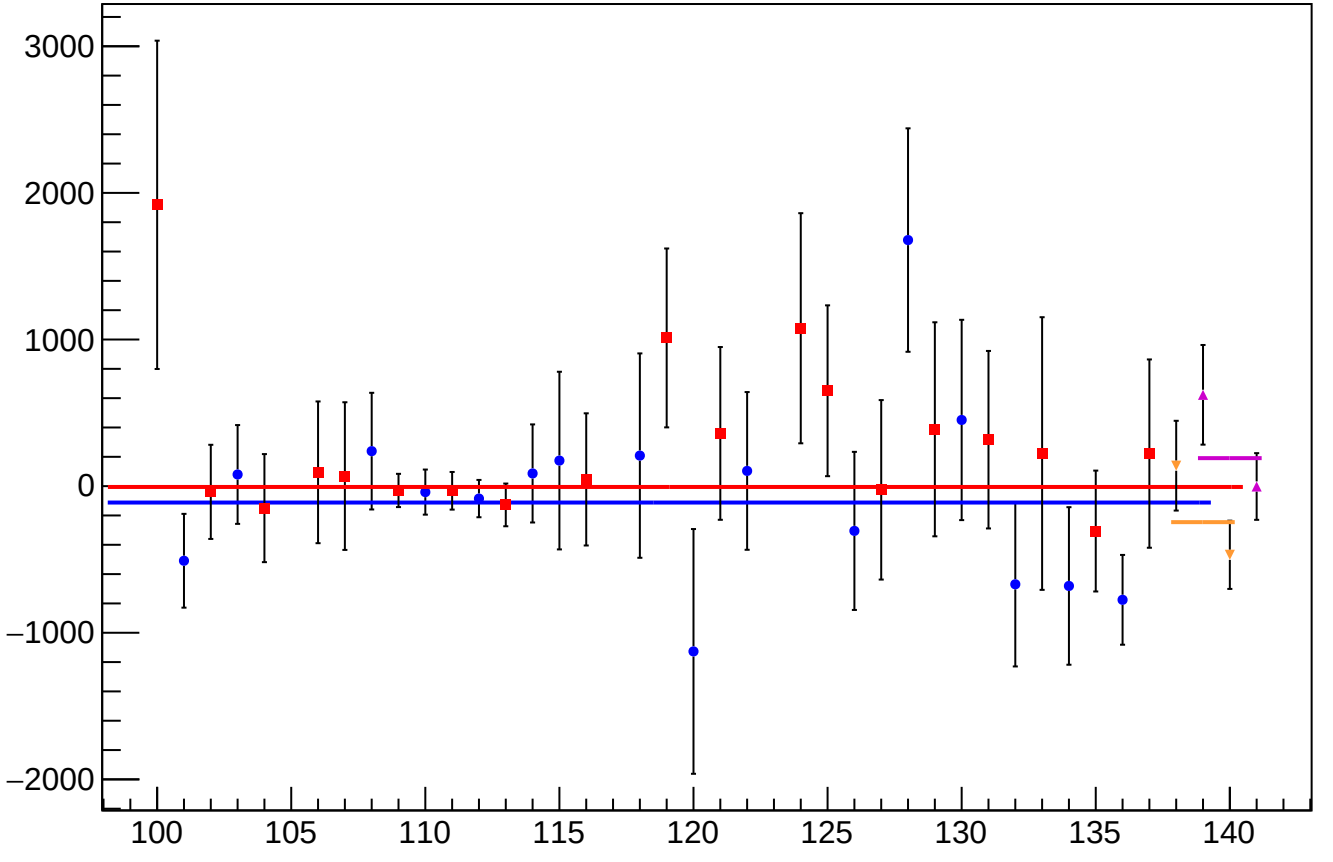
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 60.281+/-0.014 χ^2/NDF:276061.7/17

Out: 61.996+/-0.015 χ^2/NDF:286162.0/20

All: 61.117+/-0.010 χ^2/NDF: 569161.0/38

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -245.543+/-185.292 χ^2/NDF:2.5/1

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 190.950+/-188.997 χ^2/NDF:2.3/1

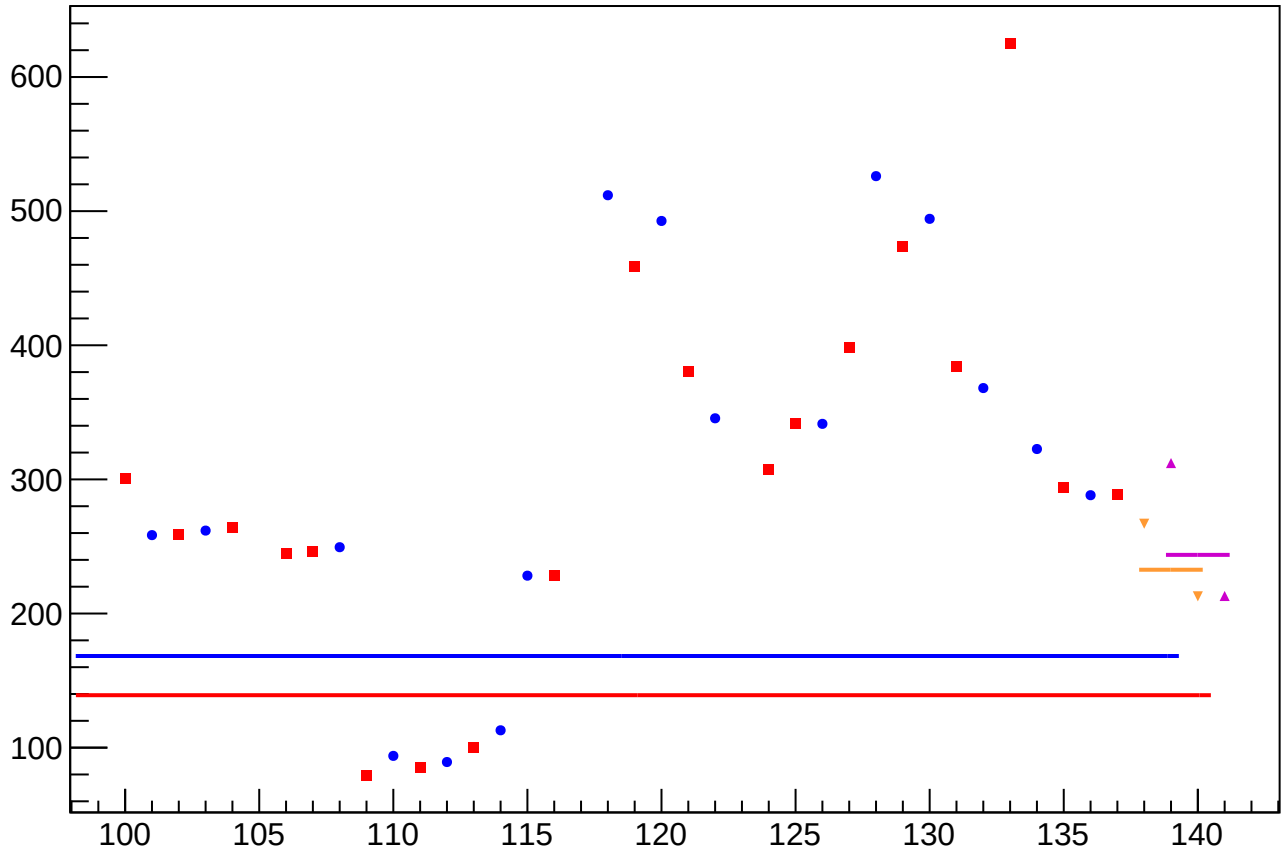
Left: -31.616+/-132.312 χ^2/NDF: 7.6/3

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -69.513+/-70.682 χ^2/NDF:23.0/17

Out: -31.249+/-60.565 χ^2/NDF:15.6/20

All: -47.449+/-45.991 χ^2/NDF: 38.8/38



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 232.647+/-0.131 χ^2/NDF:39648.5/1

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 243.728+/-0.134 χ^2/NDF:117467.1/1

Left: 238.078+/-0.094 χ^2/NDF: 160621.1/3

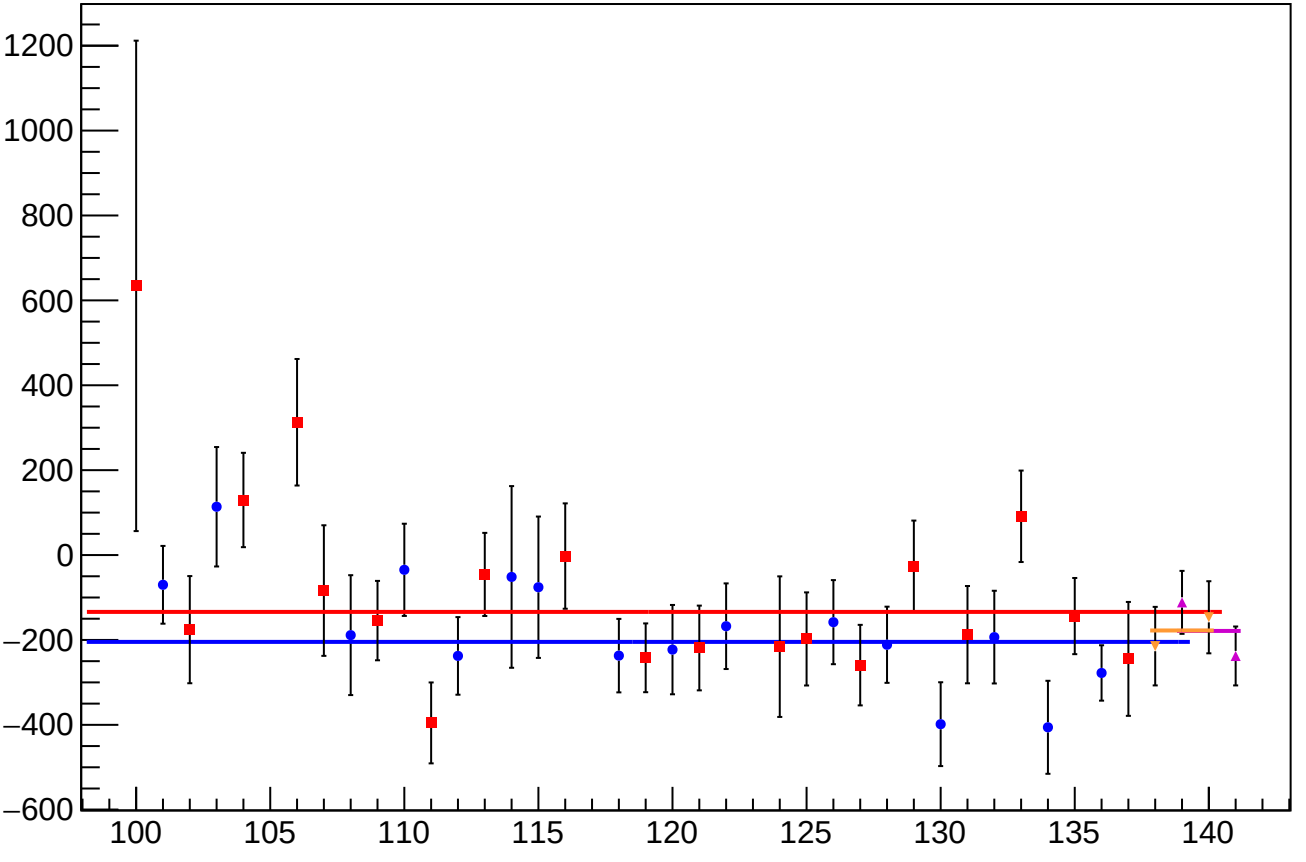
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 178.876+/-0.050 χ^2/NDF:4935355.7/17

Out: 149.099+/-0.043 χ^2/NDF:5624926.7/20

All: 161.705+/-0.033 χ^2/NDF: 10764958.5/38

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -177.686+/-62.567 χ^2/NDF:0.3/1

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -178.771+/-50.676 χ^2/NDF:1.5/1

Left: -178.341+/-39.379 χ^2/NDF: 1.8/3

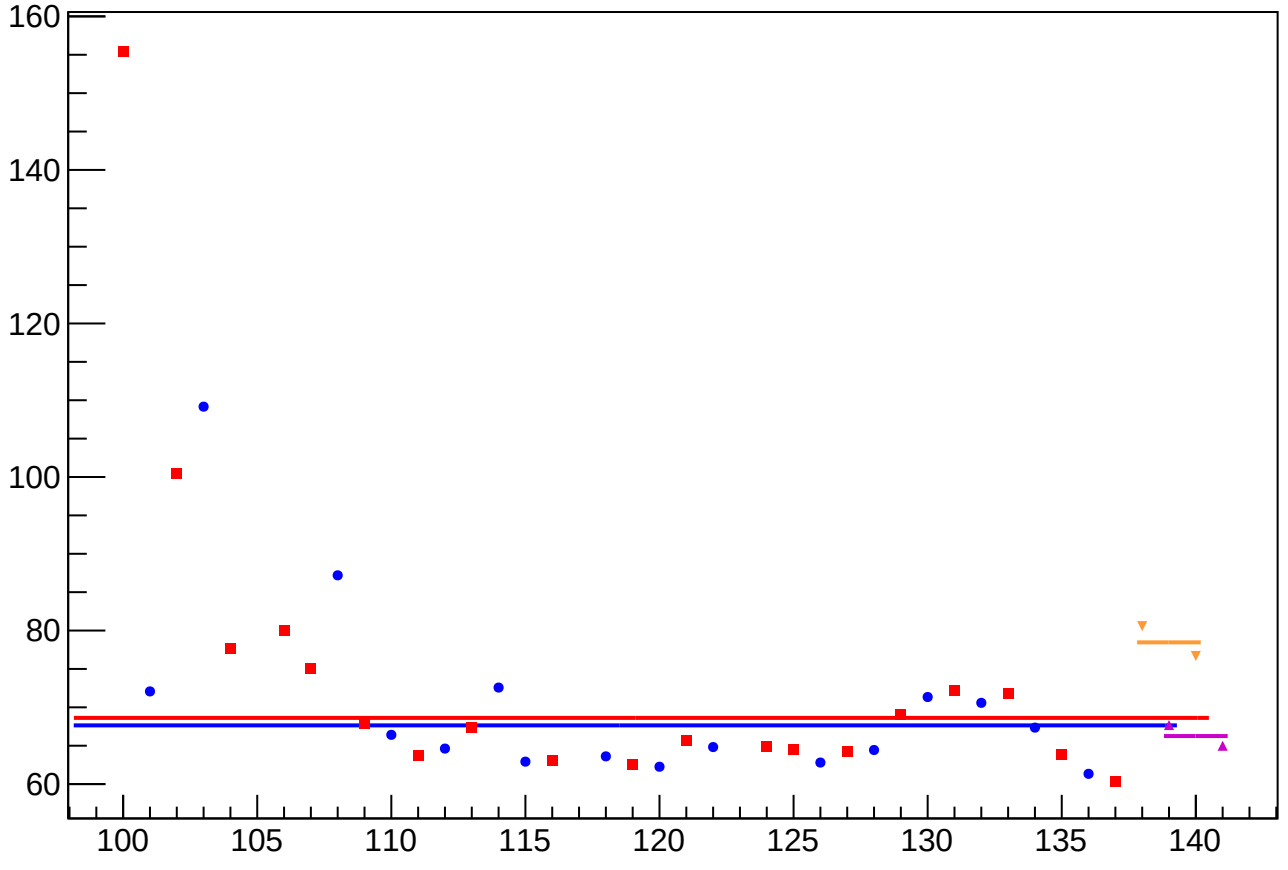
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -199.355+/-22.795 χ^2/NDF:21.7/17

Out: -140.151+/-23.601 χ^2/NDF:37.9/20

All: -170.781+/-16.396 χ^2/NDF: 63.0/38

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 78.462+/-0.044 χ^2/NDF:1910.5/1

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 66.258+/-0.036 χ^2/NDF:1408.6/1

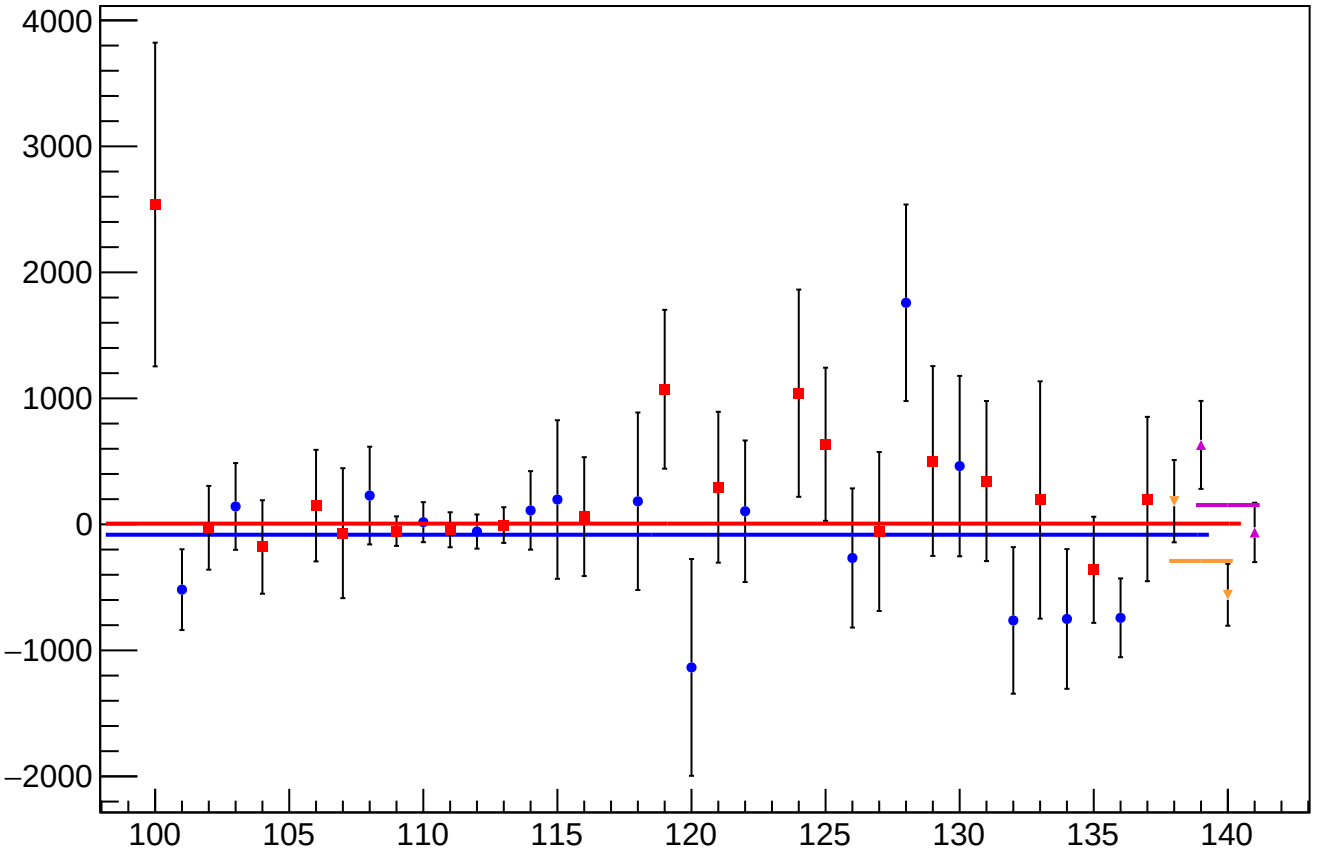
Left: 71.092+/-0.028 χ^2/NDF: 49273.7/3

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 67.366+/-0.016 χ^2/NDF:266278.2/17

Out: 70.024+/-0.017 χ^2/NDF:292491.8/20

All: 68.649+/-0.012 χ^2/NDF: 571890.2/38



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -290.116+/-196.346 χ^2/NDF:3.3/1

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 153.535+/-195.350 χ^2/NDF:2.7/1

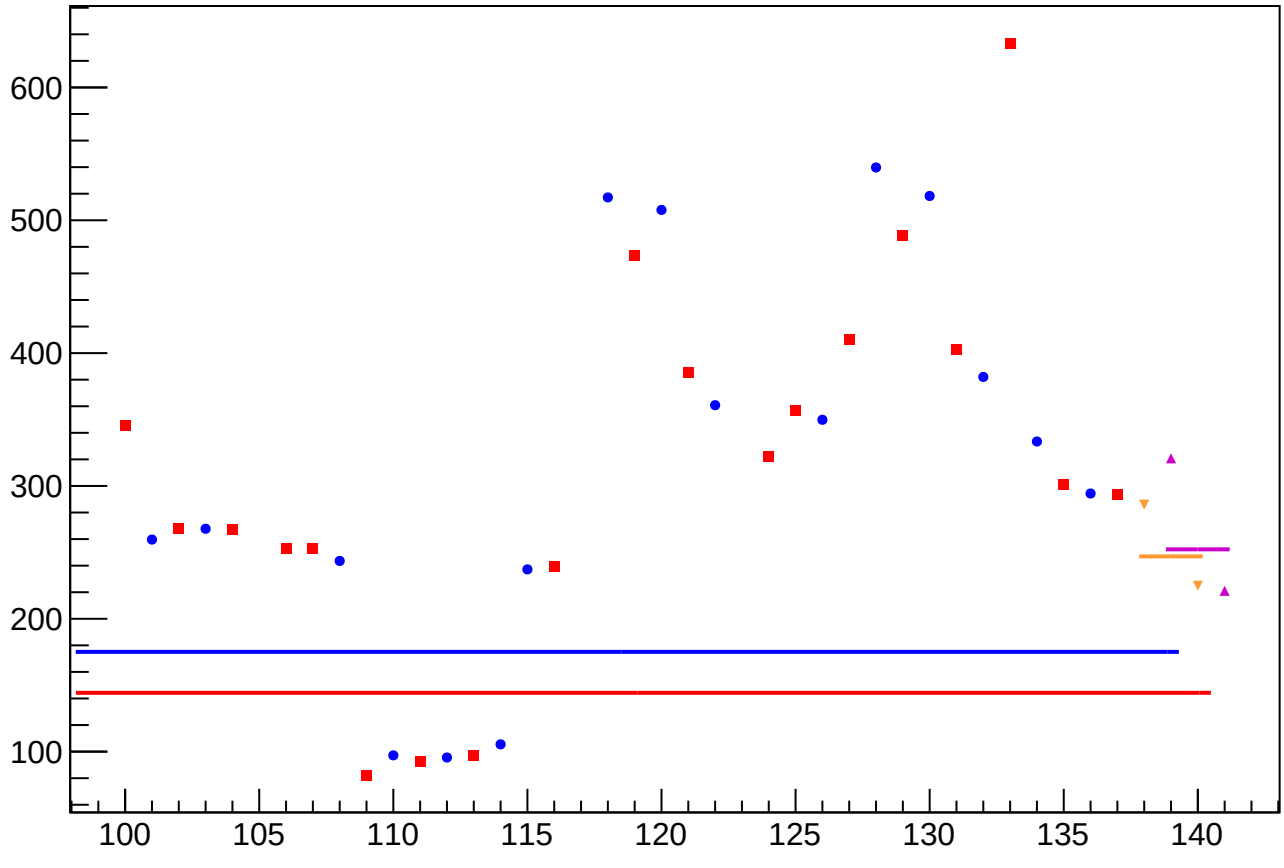
Left: -67.163+/-138.484 χ^2/NDF: 8.6/3

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -49.323+/-72.980 χ^2/NDF:23.2/17

Out: -23.932+/-62.484 χ^2/NDF:17.4/20

All: -34.672+/-47.464 χ^2/NDF: 40.6/38



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 246.968+/-0.139 χ^2/NDF:44643.7/1

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 252.278+/-0.138 χ^2/NDF:112165.2/1

Left: 249.637+/-0.098 χ^2/NDF: 157543.8/3

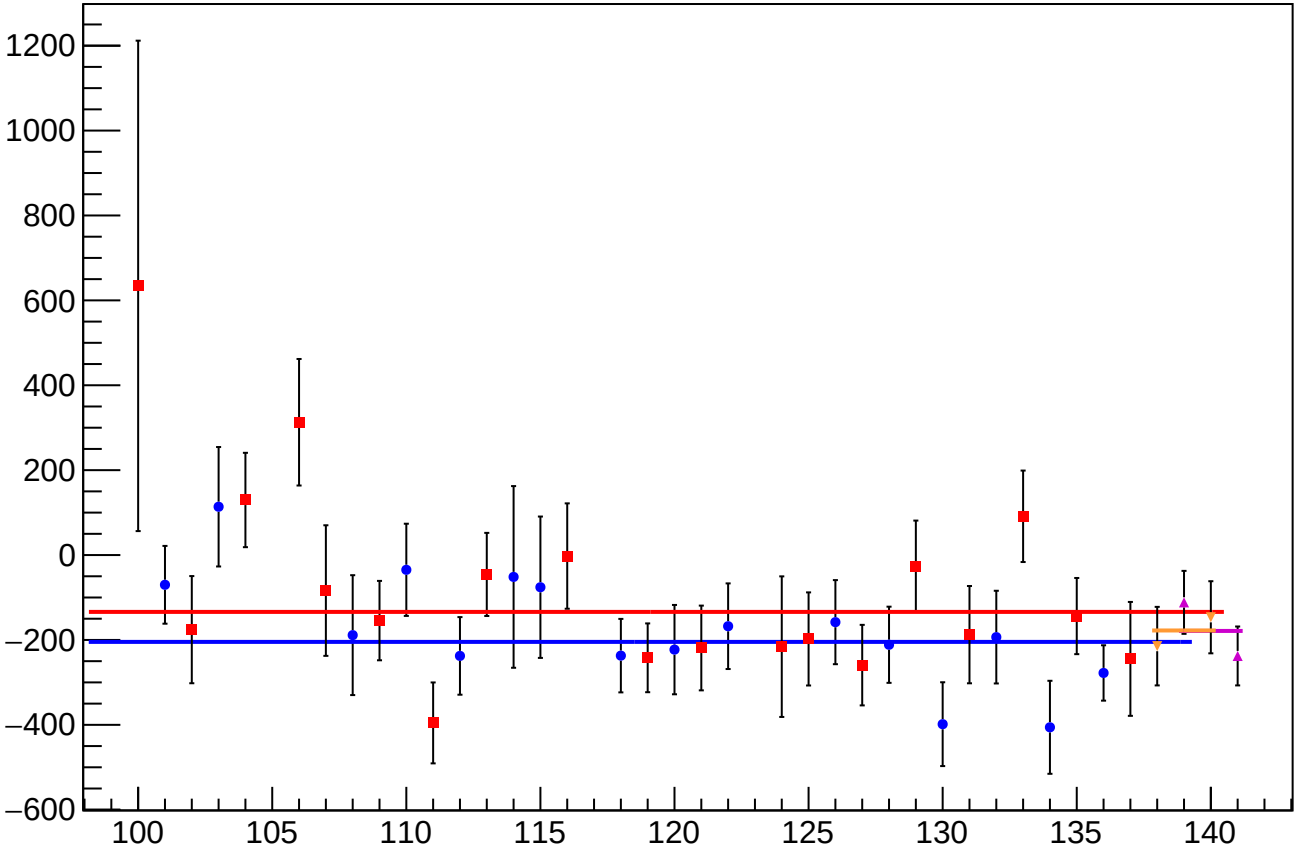
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 185.871+/-0.052 χ^2/NDF:4809846.3/17

Out: 154.676+/-0.044 χ^2/NDF:5668764.7/20

All: 167.871+/-0.034 χ^2/NDF: 10689464.4/38

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -177.687+/-62.567 χ^2/NDF:0.3/1

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -178.770+/-50.676 χ^2/NDF:1.5/1

Left: -178.341+/-39.379 χ^2/NDF: 1.8/3

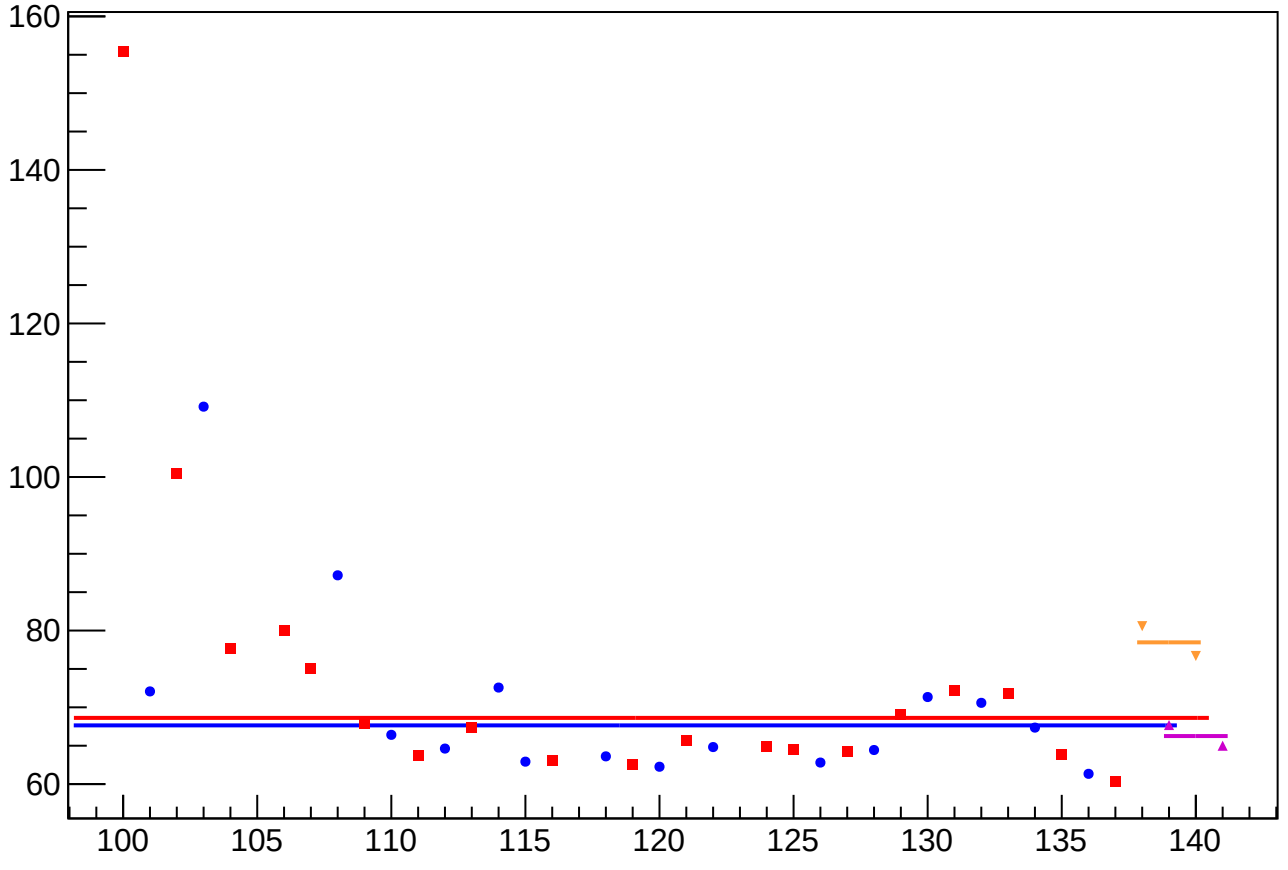
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -199.355+/-22.795 χ^2/NDF:21.7/17

Out: -140.152+/-23.601 χ^2/NDF:37.9/20

All: -170.781+/-16.396 χ^2/NDF: 63.0/38

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 78.462+/-0.044 χ^2/NDF:1910.3/1

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 66.258+/-0.036 χ^2/NDF:1408.5/1

Left: 71.092+/-0.028 χ^2/NDF: 49273.3/3

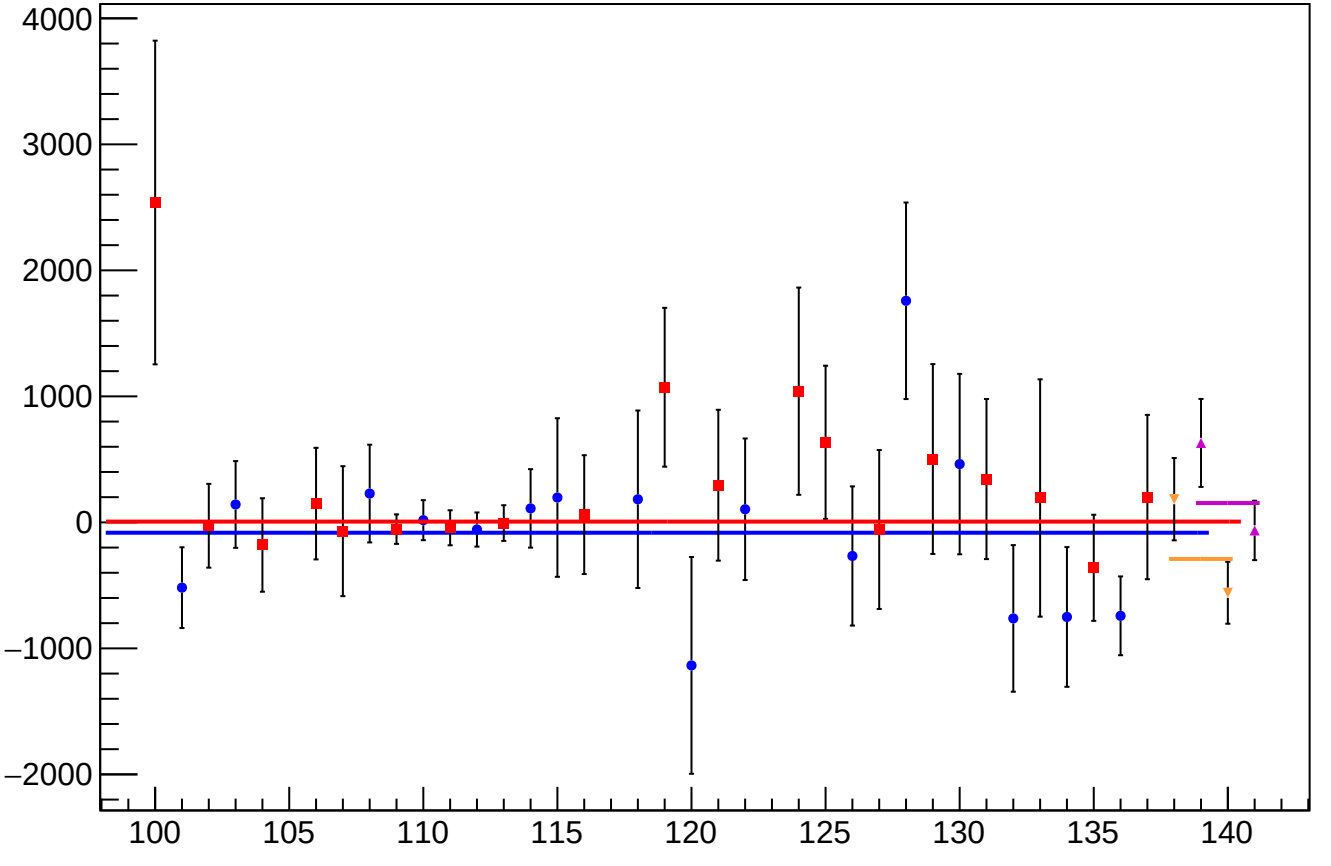
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 67.366+/-0.016 χ^2/NDF:266276.9/17

Out: 70.024+/-0.017 χ^2/NDF:292494.6/20

All: 68.649+/-0.012 χ^2/NDF: 571891.3/38

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -290.116+/-196.345 χ^2/NDF:3.3/1

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 153.536+/-195.349 χ^2/NDF:2.7/1

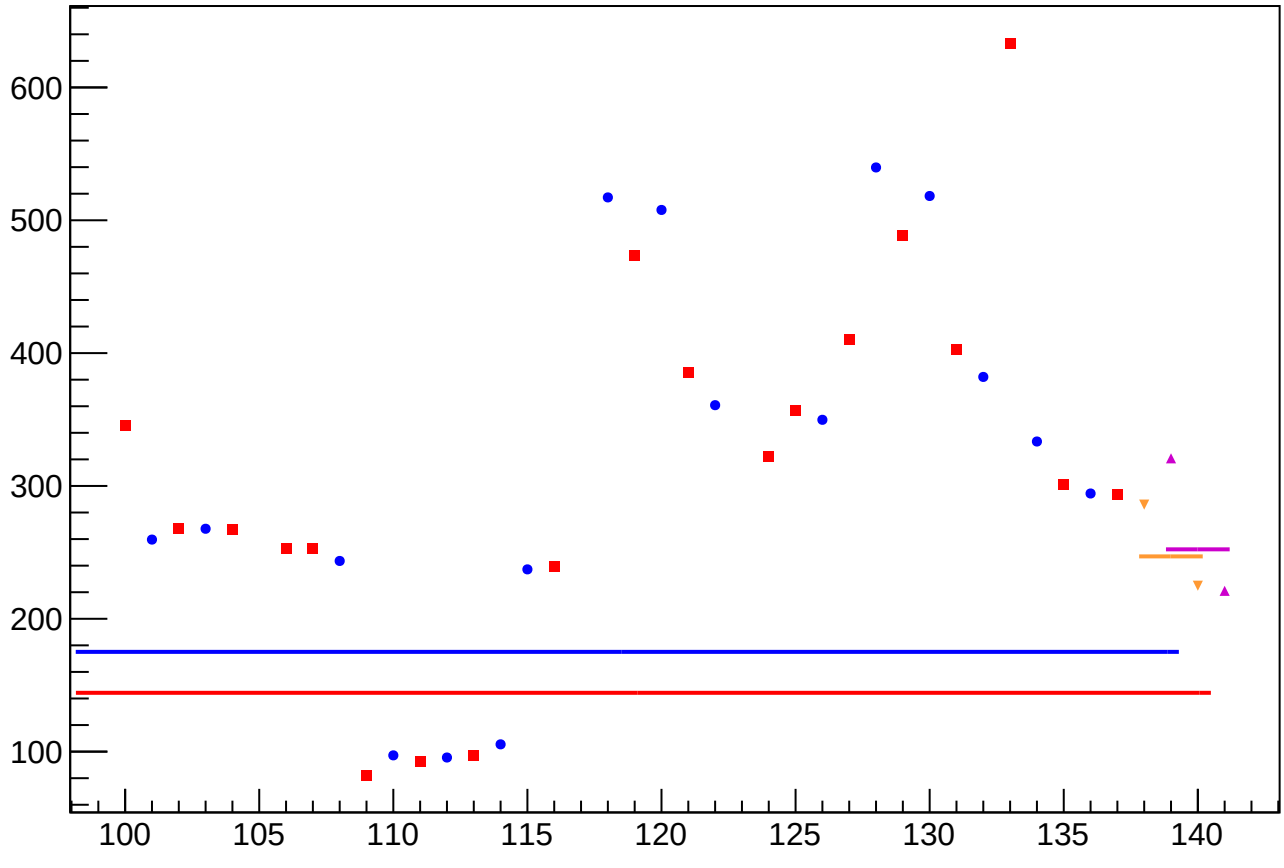
Left: -67.162+/-138.483 χ^2/NDF: 8.6/3

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -49.322+/-72.979 χ^2/NDF:23.2/17

Out: -23.933+/-62.484 χ^2/NDF:17.4/20

All: -34.672+/-47.464 χ^2/NDF: 40.6/38



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 246.967+/-0.139 χ^2/NDF:44642.5/1

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 252.277+/-0.138 χ^2/NDF:112164.0/1

Left: 249.636+/-0.098 χ^2/NDF: 157541.5/3

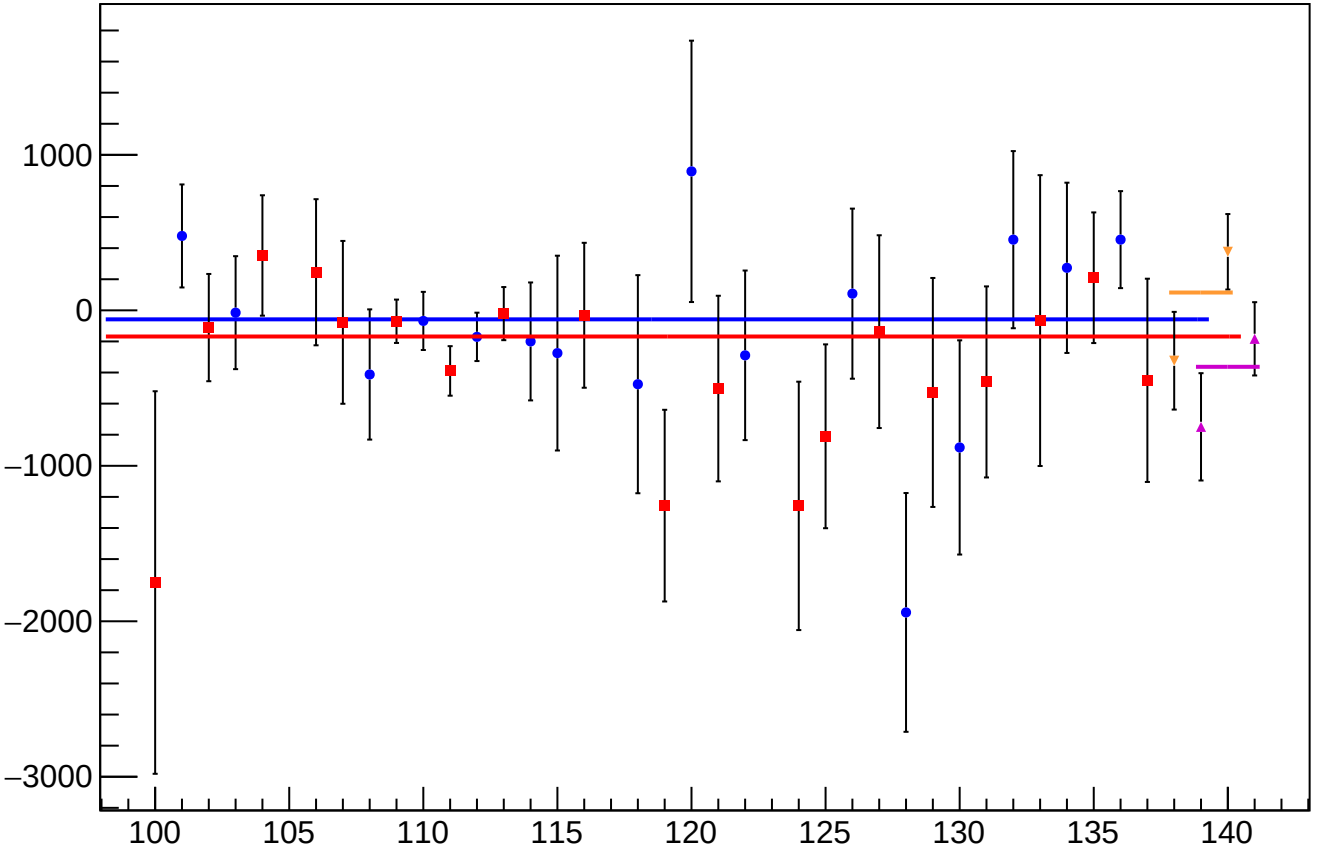
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 185.869+/-0.052 χ^2/NDF:4809872.3/17

Out: 154.676+/-0.044 χ^2/NDF:5668740.7/20

All: 167.870+/-0.034 χ^2/NDF: 10689454.5/38

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 114.609+/-192.109 χ^2/NDF:3.1/1

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -363.239+/-194.625 χ^2/NDF:1.8/1

Left: -121.206+/-136.723 χ^2/NDF: 8.0/3

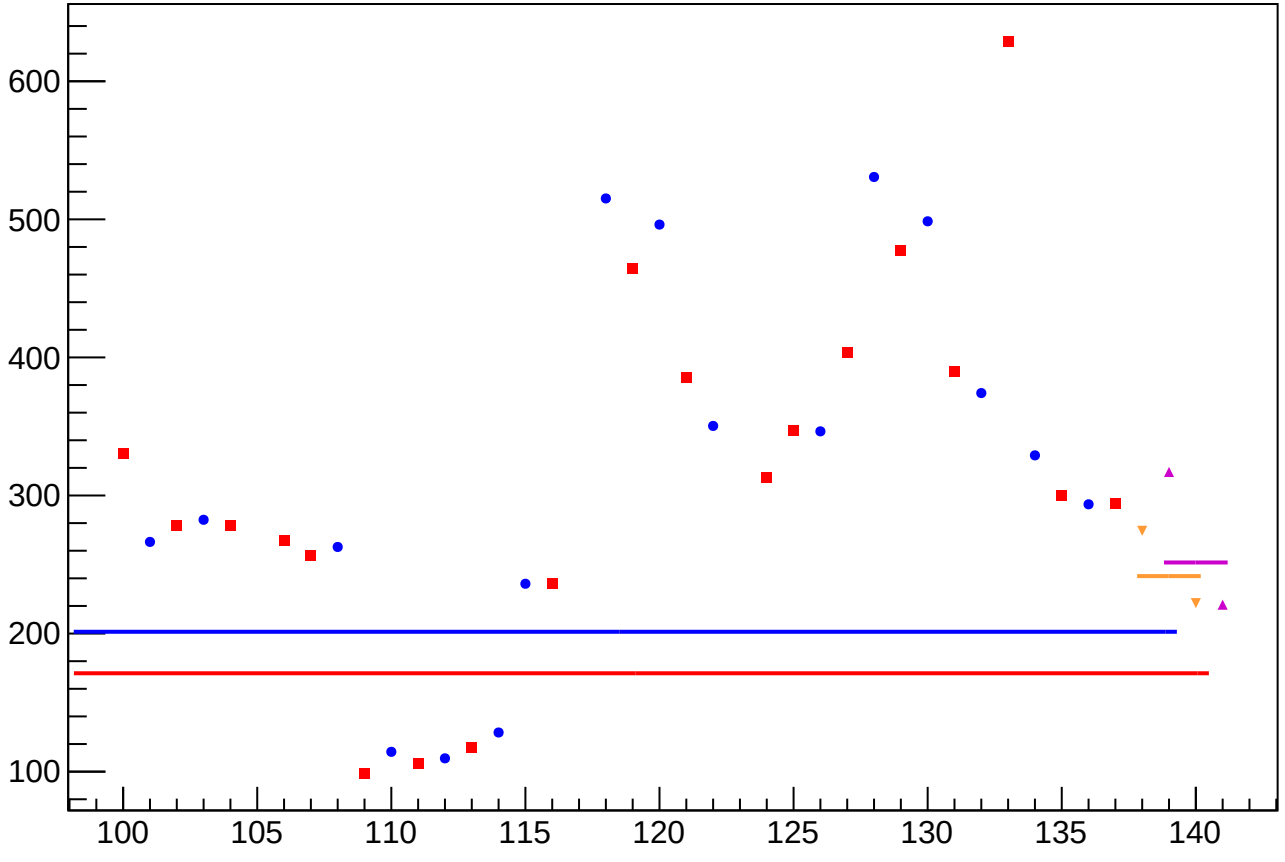
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -108.704+/-79.342 χ^2/NDF:21.3/17

Out: -131.250+/-69.539 χ^2/NDF:20.5/20

All: -121.455+/-52.296 χ^2/NDF: 41.8/38

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 241.617+/-0.136 χ^2/NDF:34793.6/1

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 251.493+/-0.138 χ^2/NDF:105768.5/1

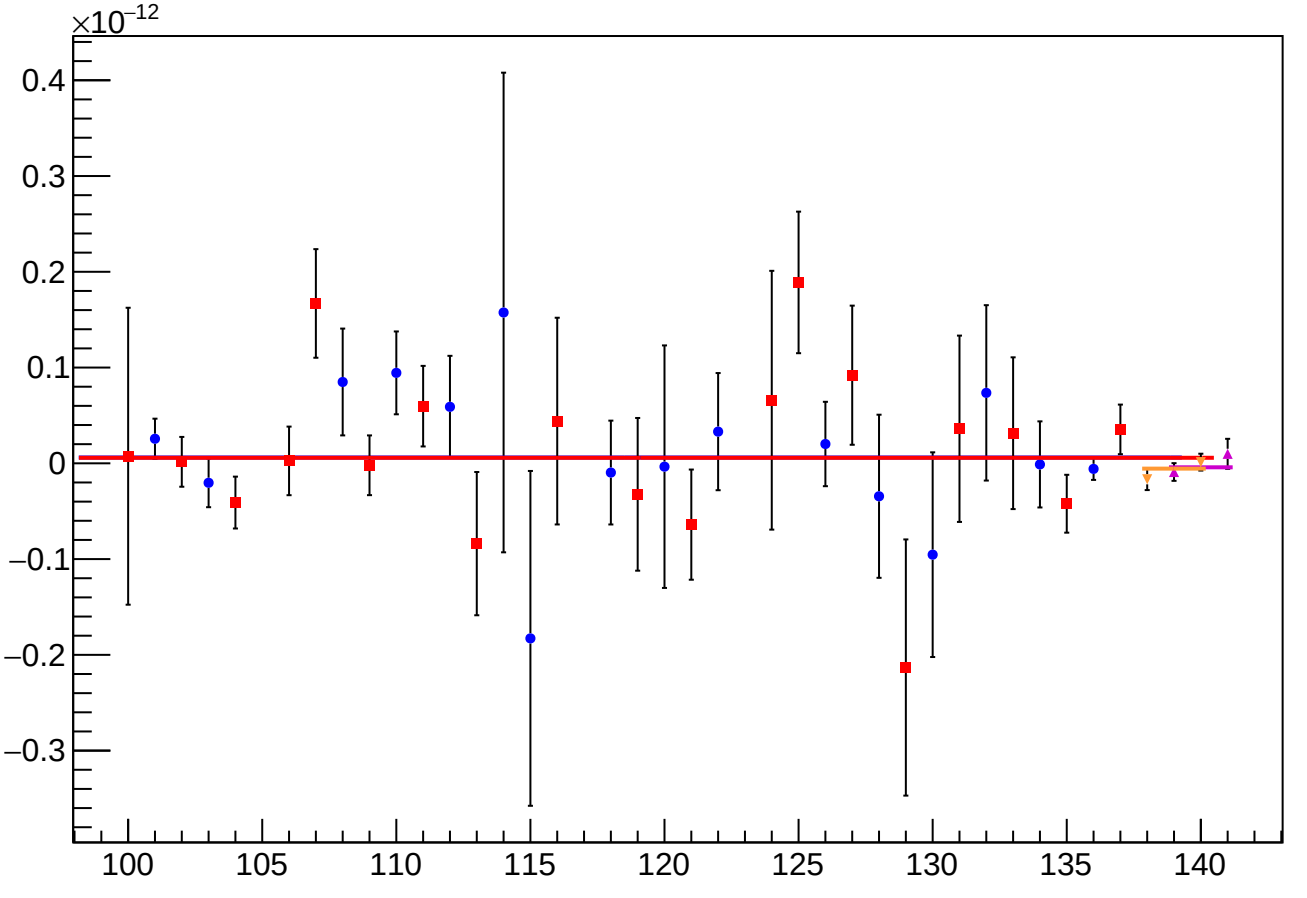
Left: 246.491+/-0.097 χ^2/NDF: 143170.6/3

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 209.643+/-0.056 χ^2/NDF:3788874.9/17

Out: 180.471+/-0.049 χ^2/NDF:4460509.4/20

All: 193.145+/-0.037 χ^2/NDF: 8402286.6/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/1

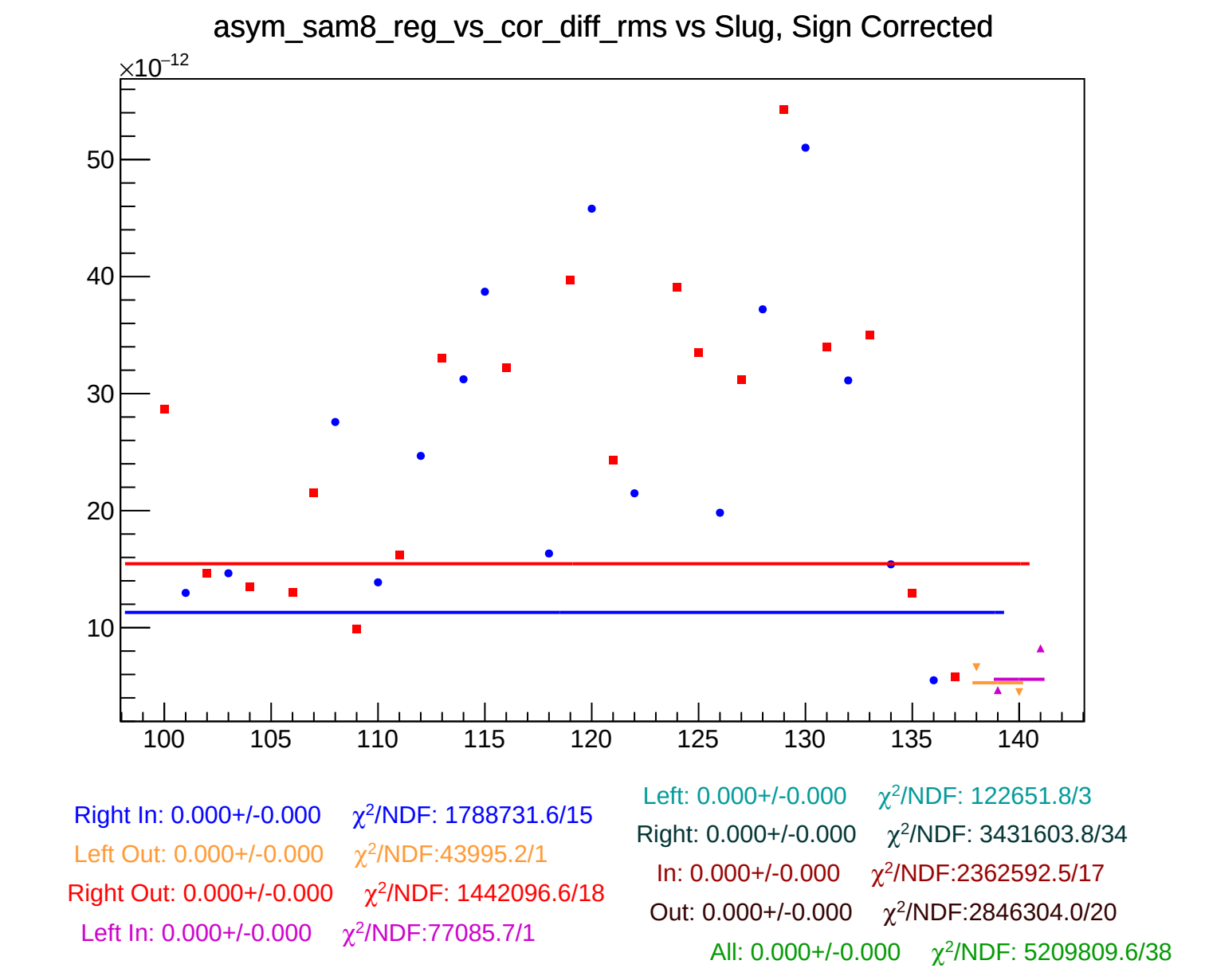
Left: -0.000+/-0.000 χ^2/NDF: 2.7/3

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: 0.000+/-0.000 χ^2/NDF:15.7/17

Out: -0.000+/-0.000 χ^2/NDF:32.9/20

All: -0.000+/-0.000 χ^2/NDF: 48.7/38


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
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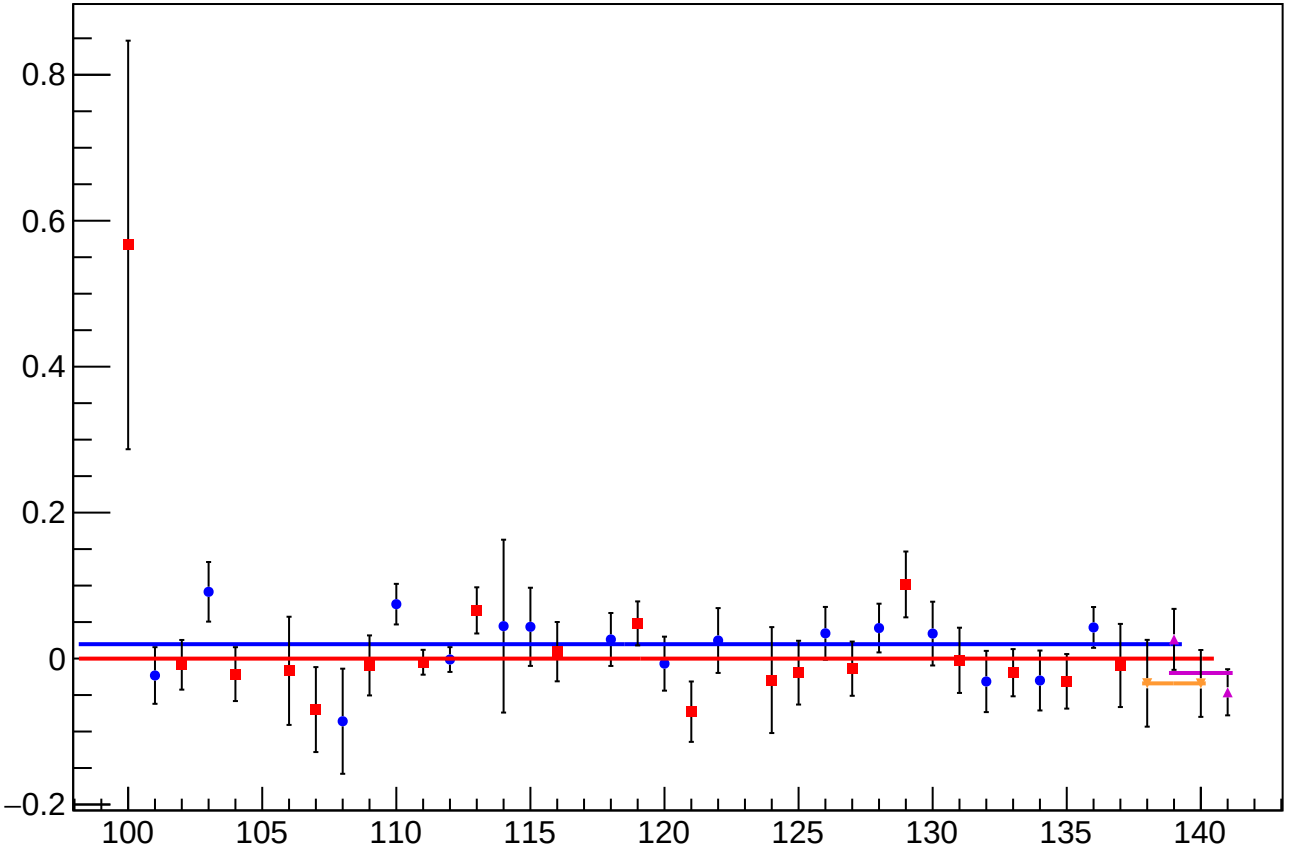
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:43995.2/1
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:77085.7/1
Left: 0.000+/-0.000 χ²/NDF: 122651.8/3
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:2362592.5/17
Out: 0.000+/-0.000 χ²/NDF:2846304.0/20
All: 0.000+/-0.000 χ²/NDF: 5209809.6/38



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.036 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.020+/-0.025 χ^2/NDF:1.9/1

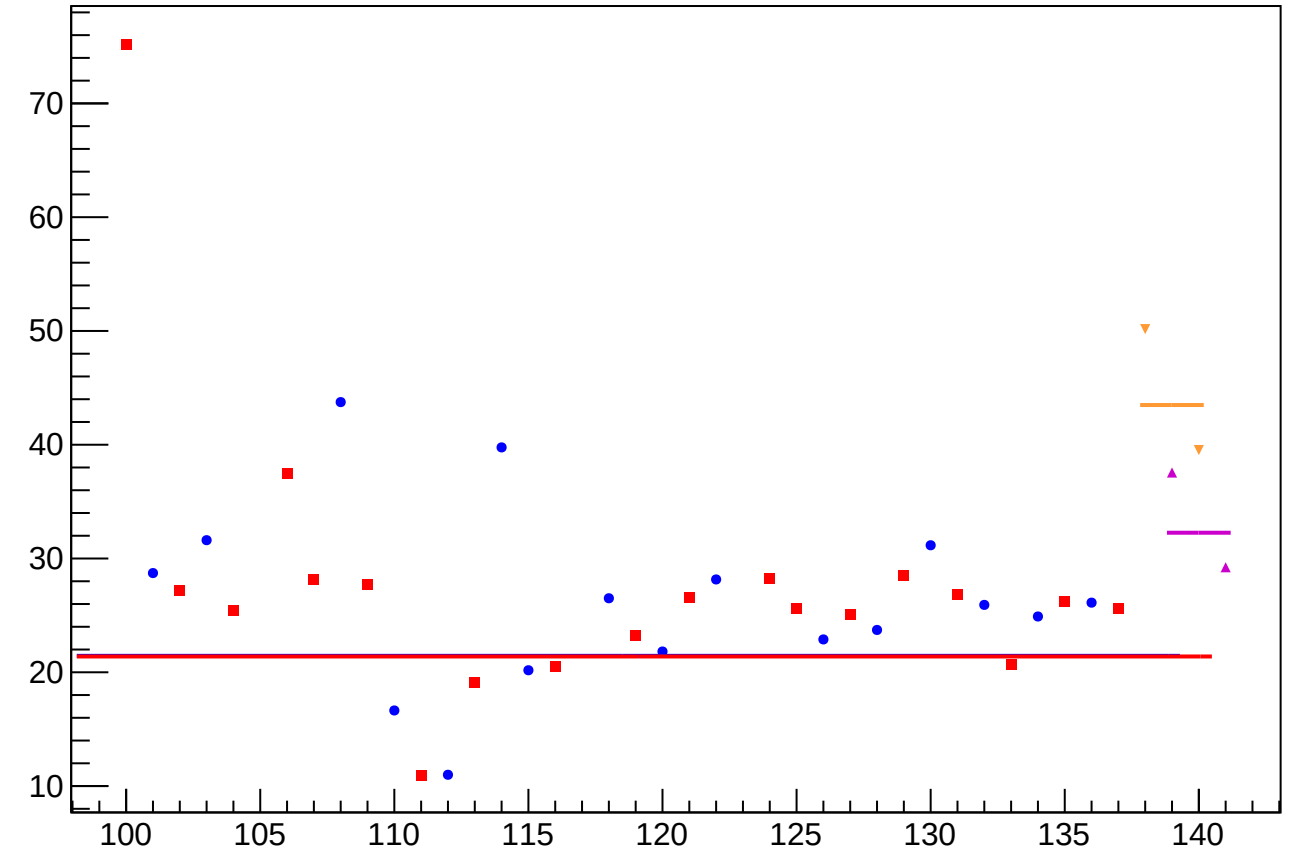
Left: -0.024+/-0.021 χ^2/NDF: 2.0/3

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.008 χ^2/NDF:21.1/17

Out: -0.002+/-0.008 χ^2/NDF:23.7/20

All: 0.007+/-0.006 χ^2/NDF: 47.0/38



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 43.491+/-0.026 χ^2/NDF:40075.6/1

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 32.266+/-0.018 χ^2/NDF:50547.7/1

Left: 35.919+/-0.015 χ^2/NDF: 219650.7/3

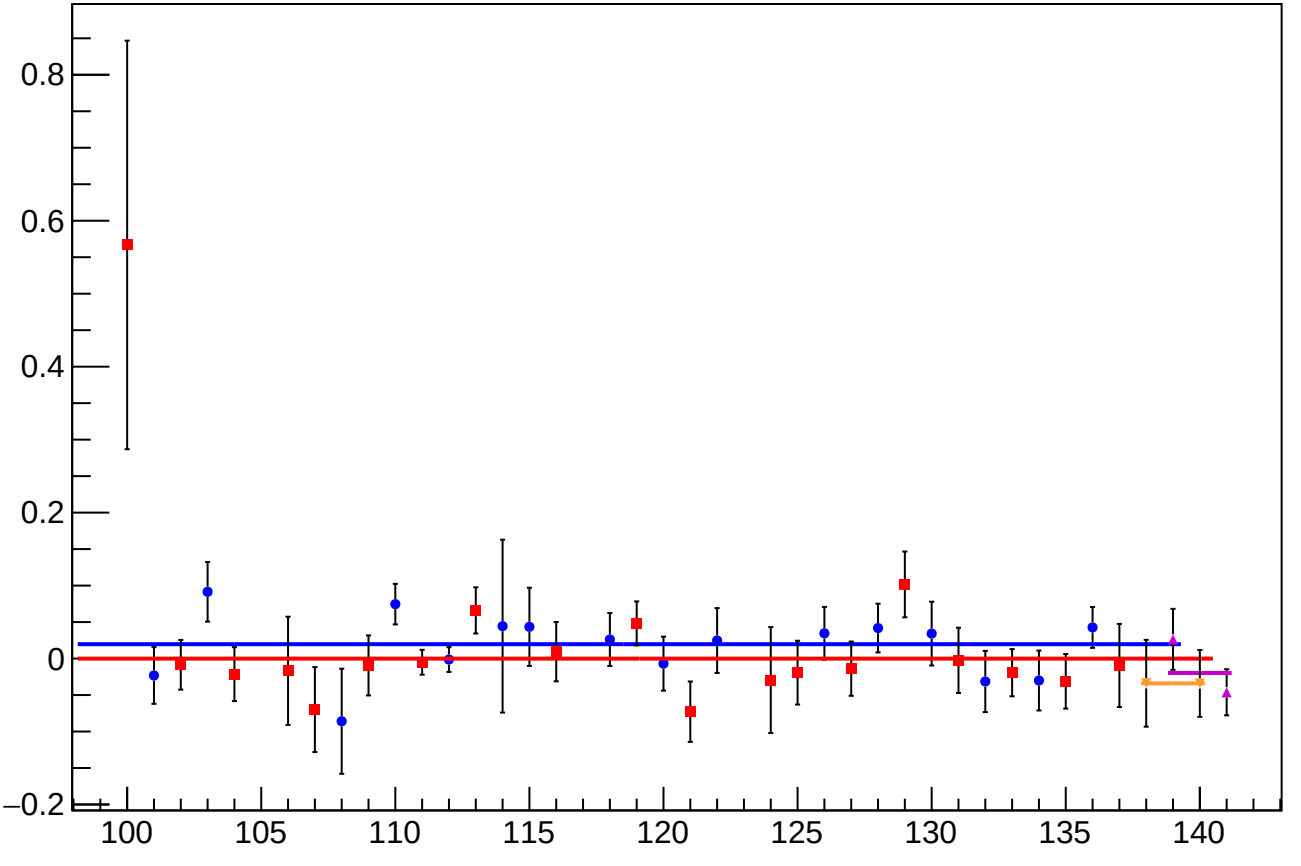
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.592+/-0.006 χ^2/NDF:1920710.2/17

Out: 22.540+/-0.006 χ^2/NDF:2054923.8/20

All: 22.566+/-0.004 χ^2/NDF: 3975673.2/38

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.036 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.020+/-0.025 χ^2/NDF:1.9/1

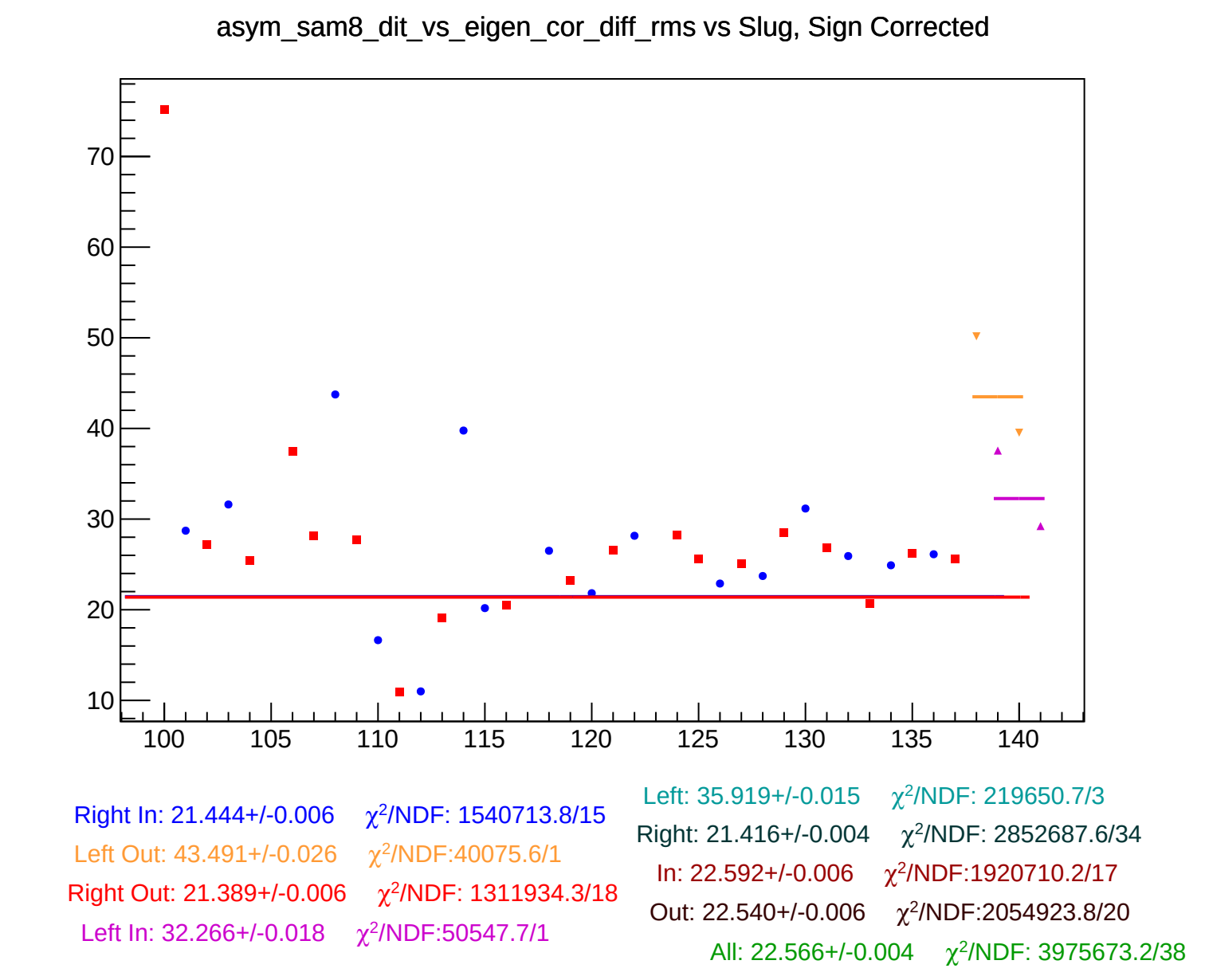
Left: -0.024+/-0.021 χ^2/NDF: 2.0/3

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.008 χ^2/NDF:21.1/17

Out: -0.002+/-0.008 χ^2/NDF:23.7/20

All: 0.007+/-0.006 χ^2/NDF: 47.0/38


asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
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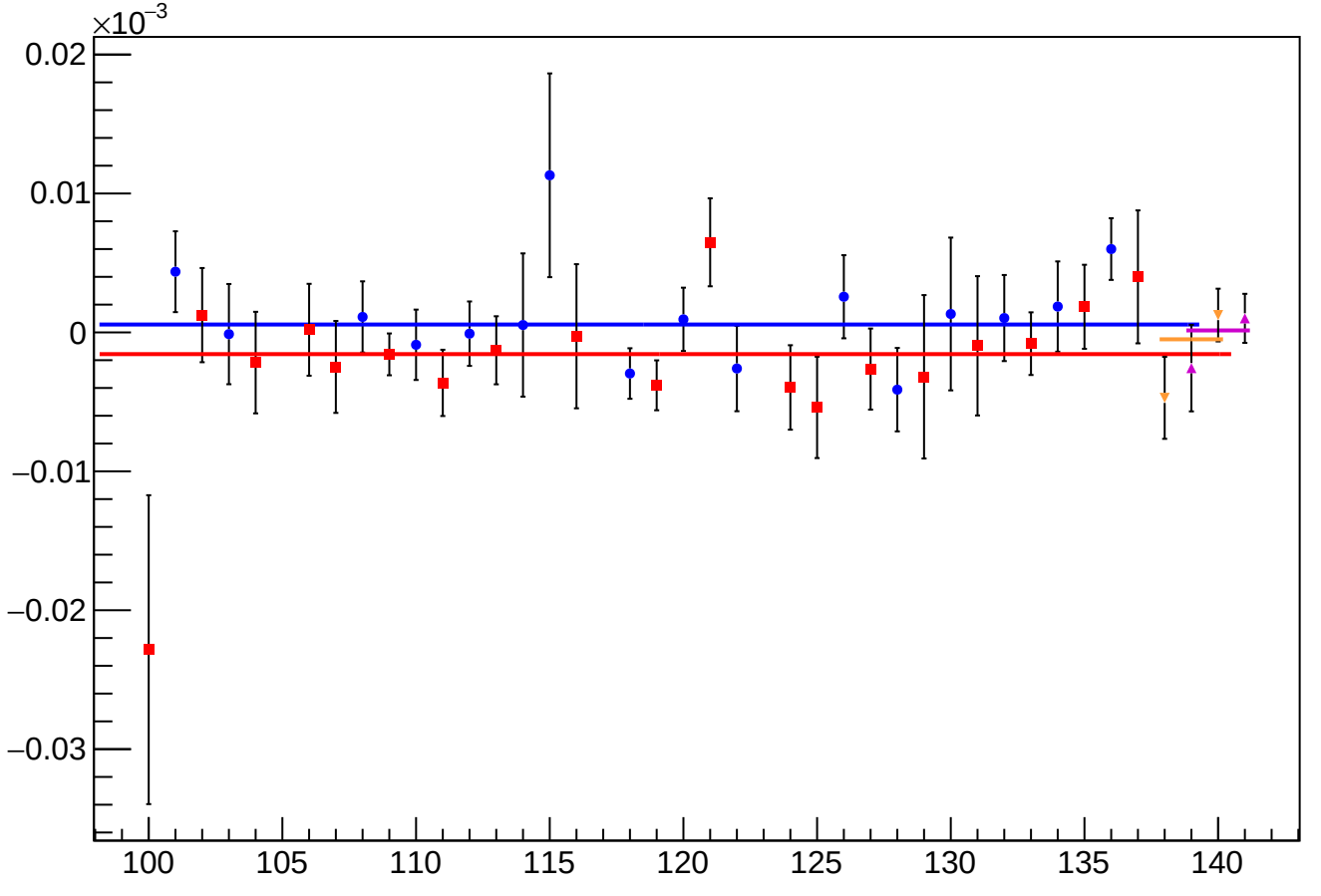
20
10
100
105
110
115
120
125
130
135
140
Right In: 21.444+/-0.006 χ²/NDF: 1540713.8/15
Left Out: 43.491+/-0.026 χ²/NDF:40075.6/1
Right Out: 21.389+/-0.006 χ²/NDF: 1311934.3/18
Left In: 32.266+/-0.018 χ²/NDF:50547.7/1
Left: 35.919+/-0.015 χ²/NDF: 219650.7/3
Right: 21.416+/-0.004 χ²/NDF: 2852687.6/34
In: 22.592+/-0.006 χ²/NDF:1920710.2/17
Out: 22.540+/-0.006 χ²/NDF:2054923.8/20
All: 22.566+/-0.004 χ²/NDF: 3975673.2/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

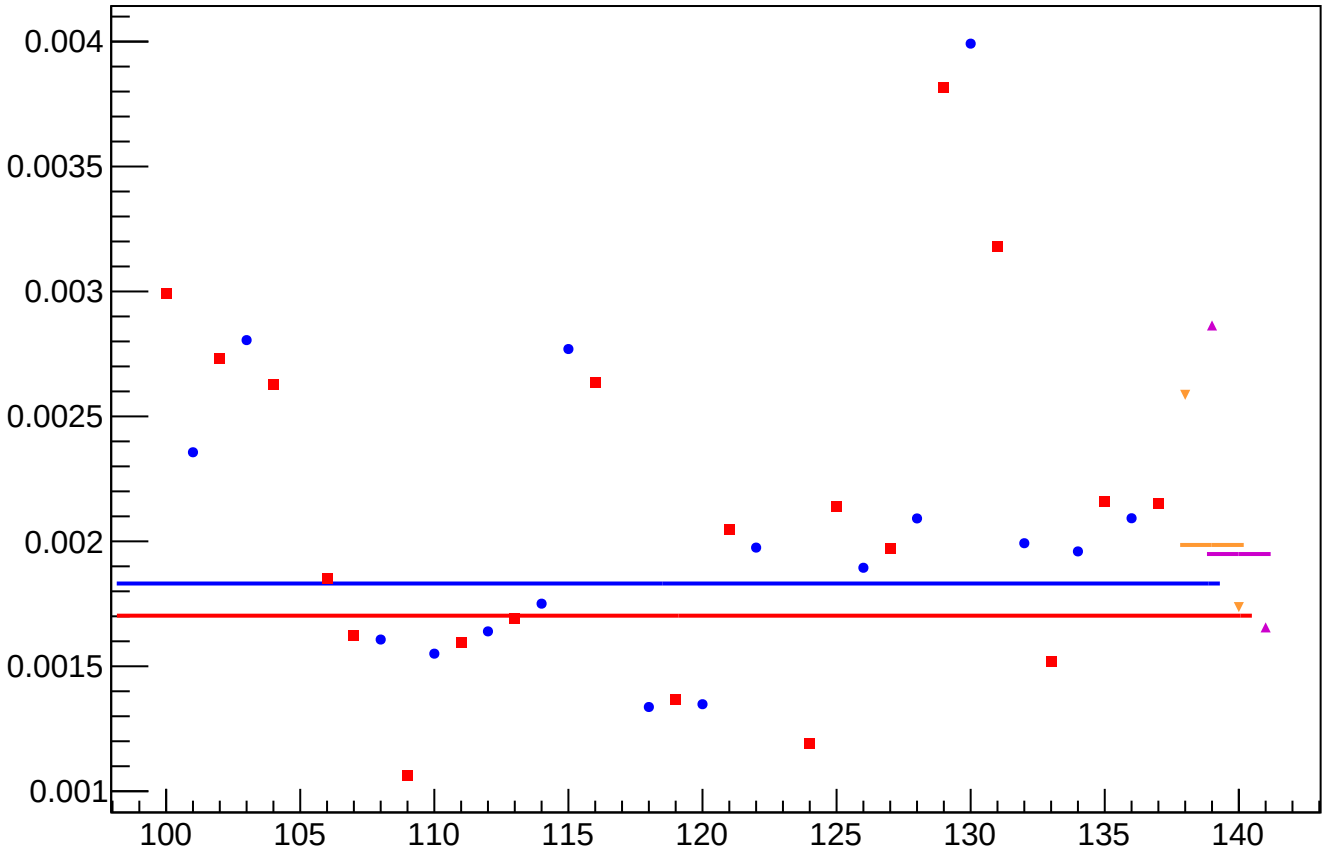
Left: -0.000+/-0.000 χ^2/NDF: 4.0/3

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:19.3/17

Out: -0.000+/-0.000 χ^2/NDF:21.5/20

All: -0.000+/-0.000 χ^2/NDF: 45.5/38



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:117301.6/1

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:227870.9/1

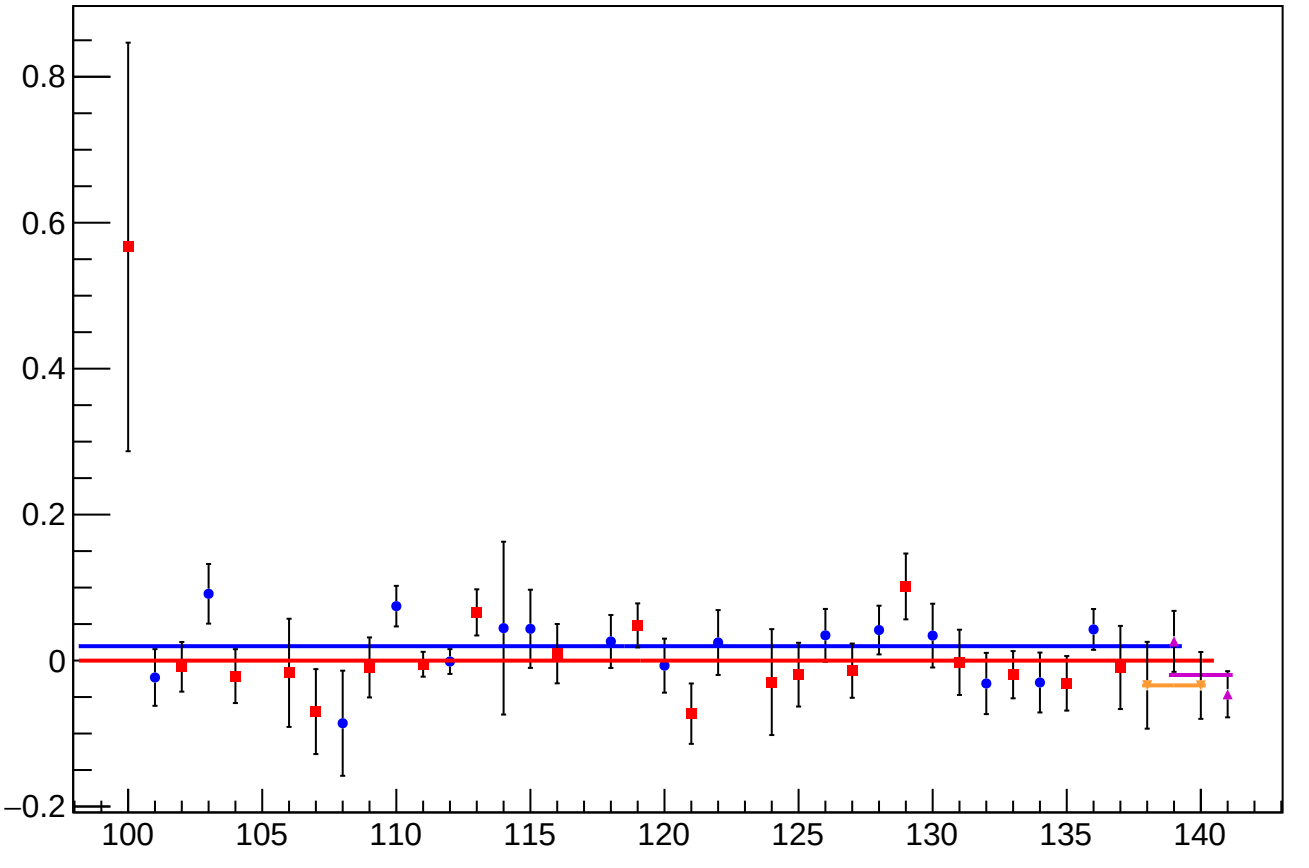
Left: 0.002+/-0.000 χ^2/NDF: 345710.3/3

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1138028.3/17

Out: 0.002+/-0.000 χ^2/NDF:1649074.6/20

All: 0.002+/-0.000 χ^2/NDF: 2816969.6/38



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.036 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.020+/-0.025 χ^2/NDF:1.9/1

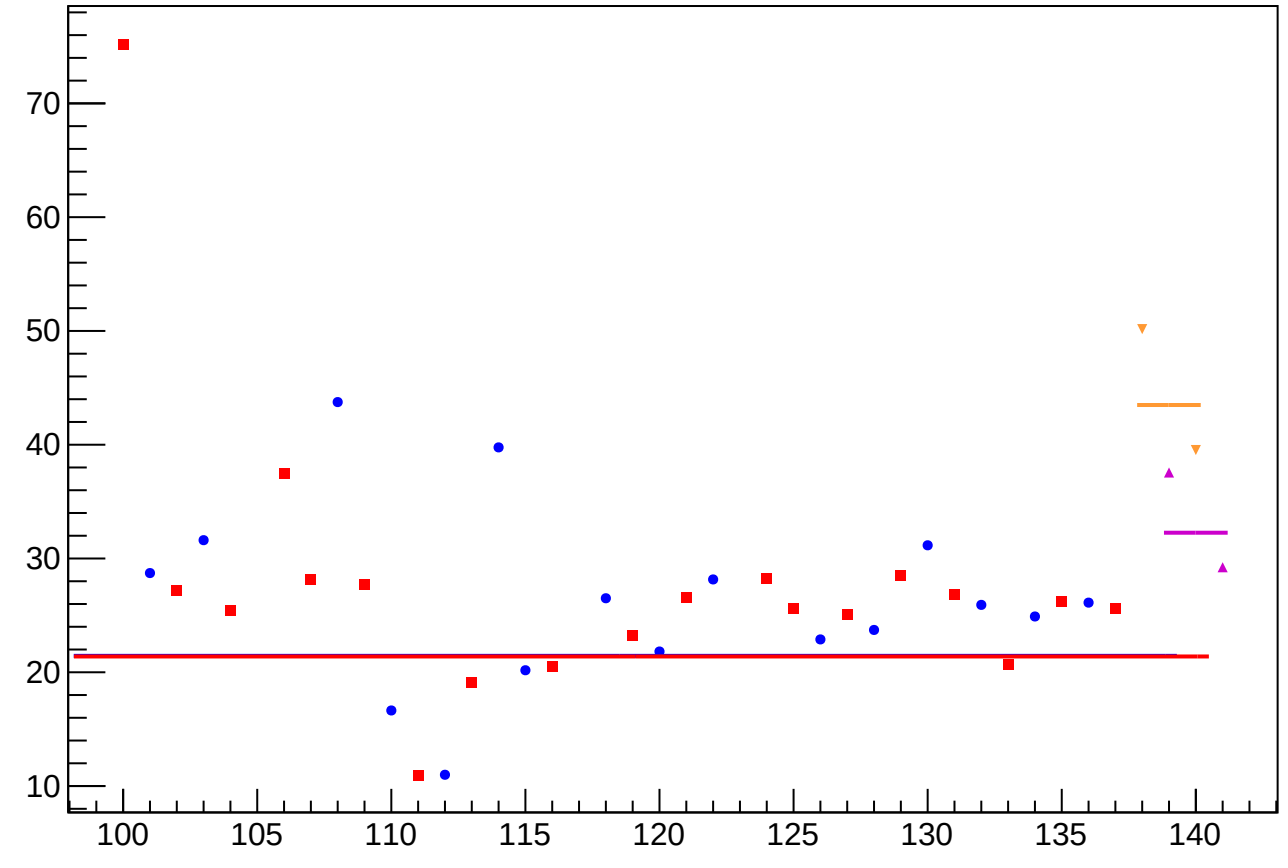
Left: -0.024+/-0.021 χ^2/NDF: 2.0/3

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.008 χ^2/NDF:21.1/17

Out: -0.002+/-0.008 χ^2/NDF:23.7/20

All: 0.007+/-0.006 χ^2/NDF: 47.0/38



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 43.491+/-0.026 χ^2/NDF:40071.4/1

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 32.266+/-0.018 χ^2/NDF:50544.6/1

Left: 35.919+/-0.015 χ^2/NDF: 219642.8/3

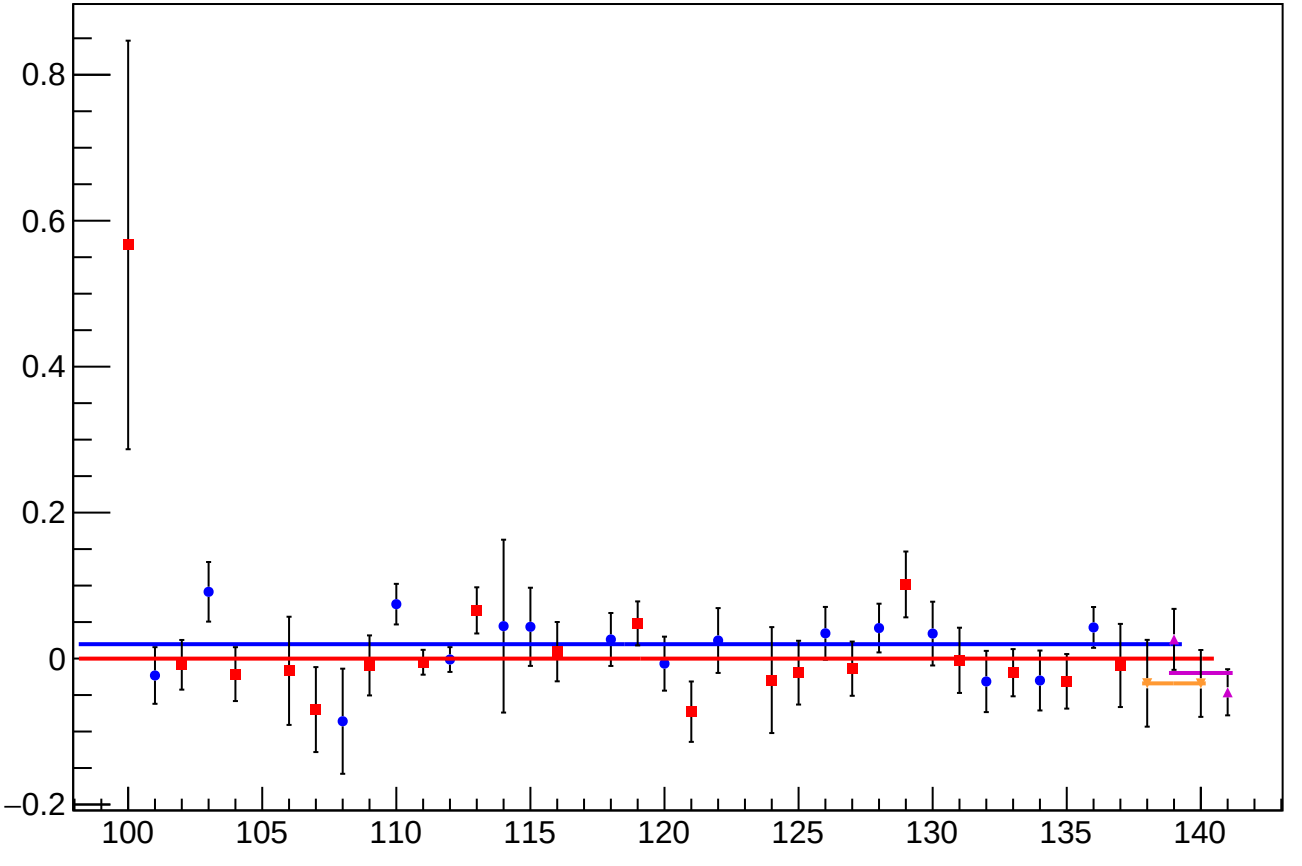
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.591+/-0.006 χ^2/NDF:1920898.9/17

Out: 22.539+/-0.006 χ^2/NDF:2055086.7/20

All: 22.566+/-0.004 χ^2/NDF: 3976024.9/38

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.034+/-0.036 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.020+/-0.025 χ^2/NDF:1.9/1

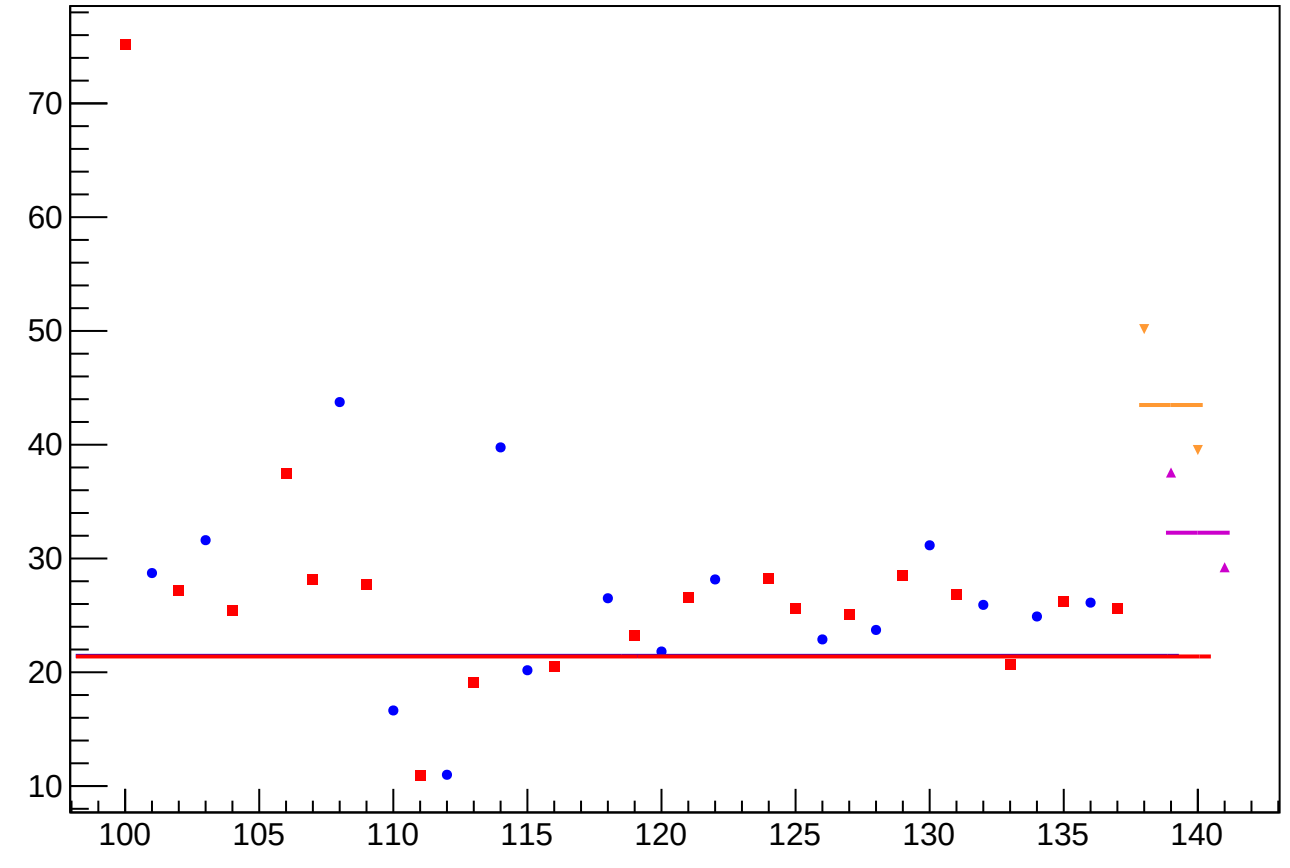
Left: -0.024+/-0.021 χ^2/NDF: 2.0/3

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.008 χ^2/NDF:21.1/17

Out: -0.002+/-0.008 χ^2/NDF:23.7/20

All: 0.007+/-0.006 χ^2/NDF: 47.0/38



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 43.491+/-0.026 χ^2/NDF:40071.4/1

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 32.266+/-0.018 χ^2/NDF:50544.6/1

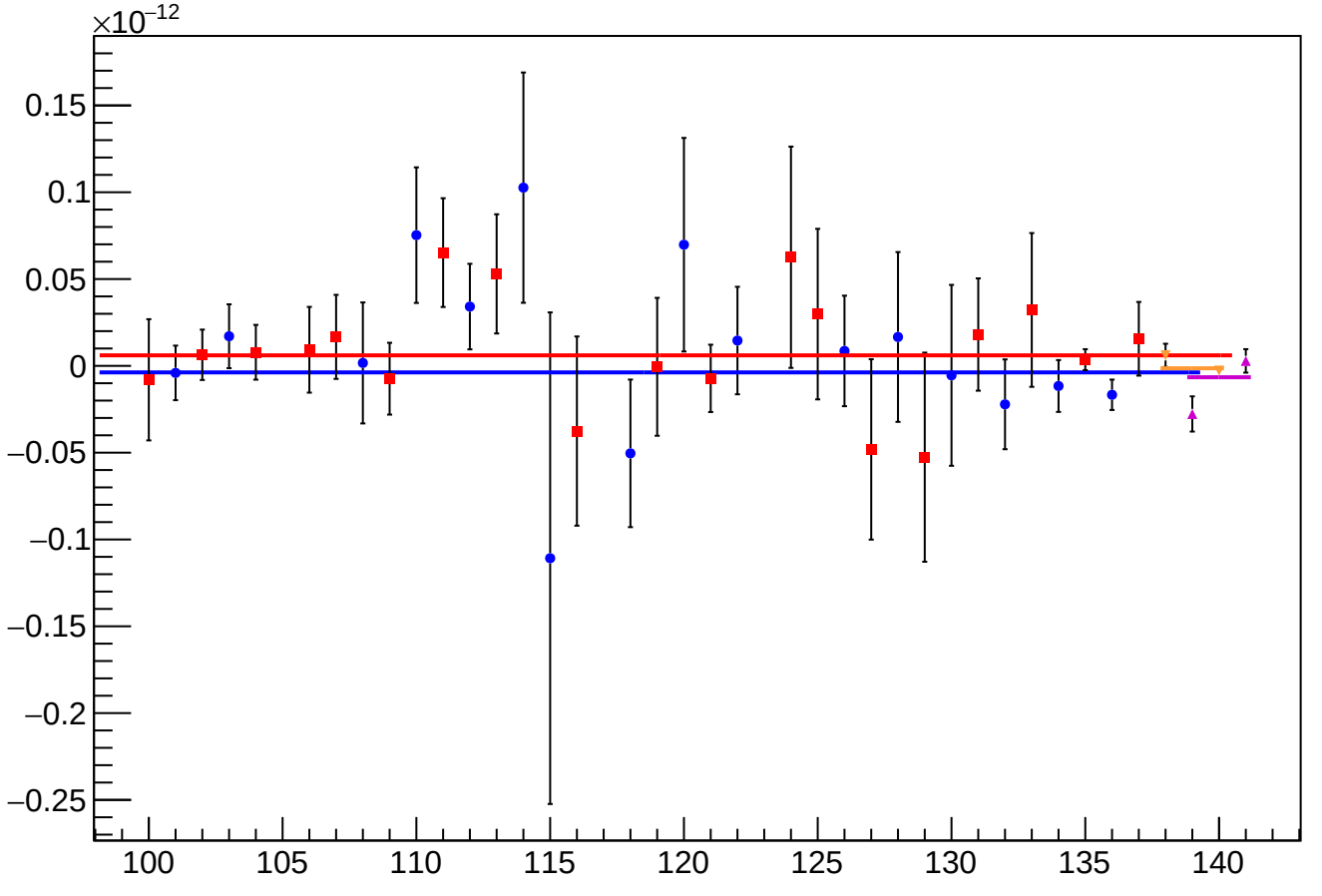
Left: 35.919+/-0.015 χ^2/NDF: 219642.8/3

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.591+/-0.006 χ^2/NDF:1920898.9/17

Out: 22.539+/-0.006 χ^2/NDF:2055086.7/20

All: 22.566+/-0.004 χ^2/NDF: 3976024.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/1

Left: -0.000+/-0.000 χ^2/NDF: 8.4/3

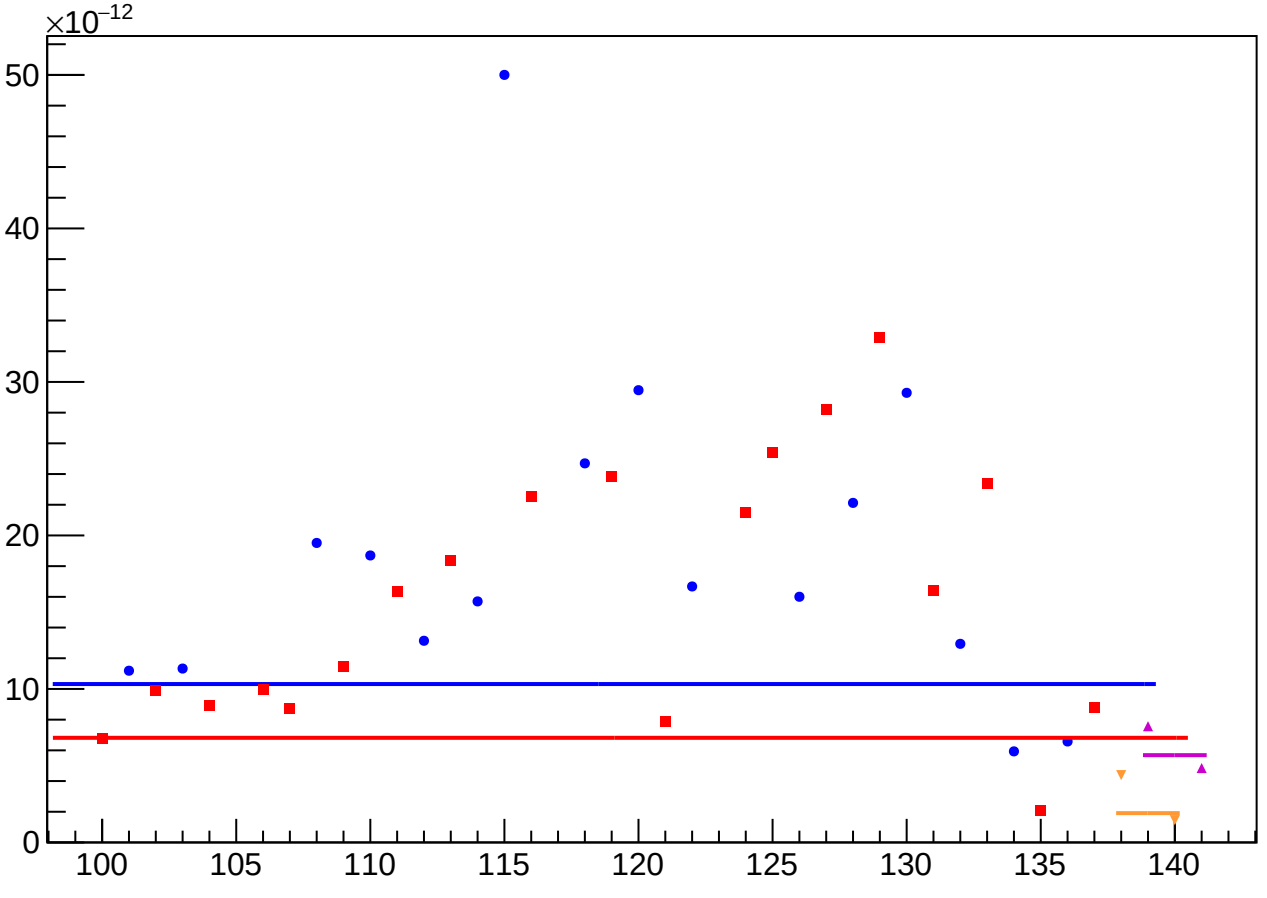
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:23.6/17

Out: 0.000+/-0.000 χ^2/NDF:14.9/20

All: -0.000+/-0.000 χ^2/NDF: 40.1/38

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:324377.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

Left In: 0.000+/-0.000 χ^2/NDF:99989.8/1

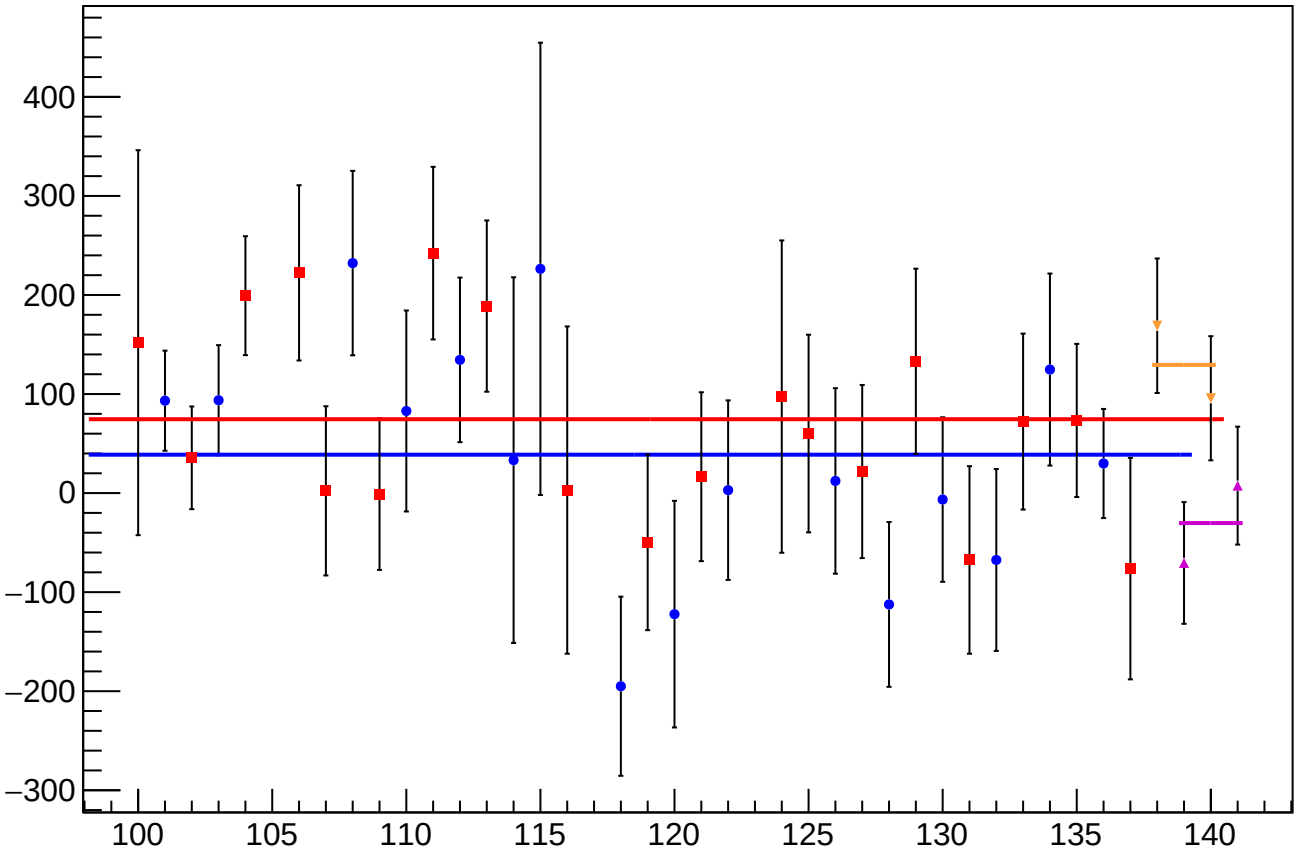
Left: 0.000+/-0.000 χ^2/NDF: 1162608.5/3

Right: 0.000+/-0.000 χ^2/NDF: 6473556.7/34

In: 0.000+/-0.000 χ^2/NDF:2745175.9/17

Out: 0.000+/-0.000 χ^2/NDF:6213086.2/20

All: 0.000+/-0.000 χ^2/NDF: 11214486.5/38



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 129.415+/-46.051 χ^2/NDF:0.6/1

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: -30.258+/-42.769 χ^2/NDF:0.8/1

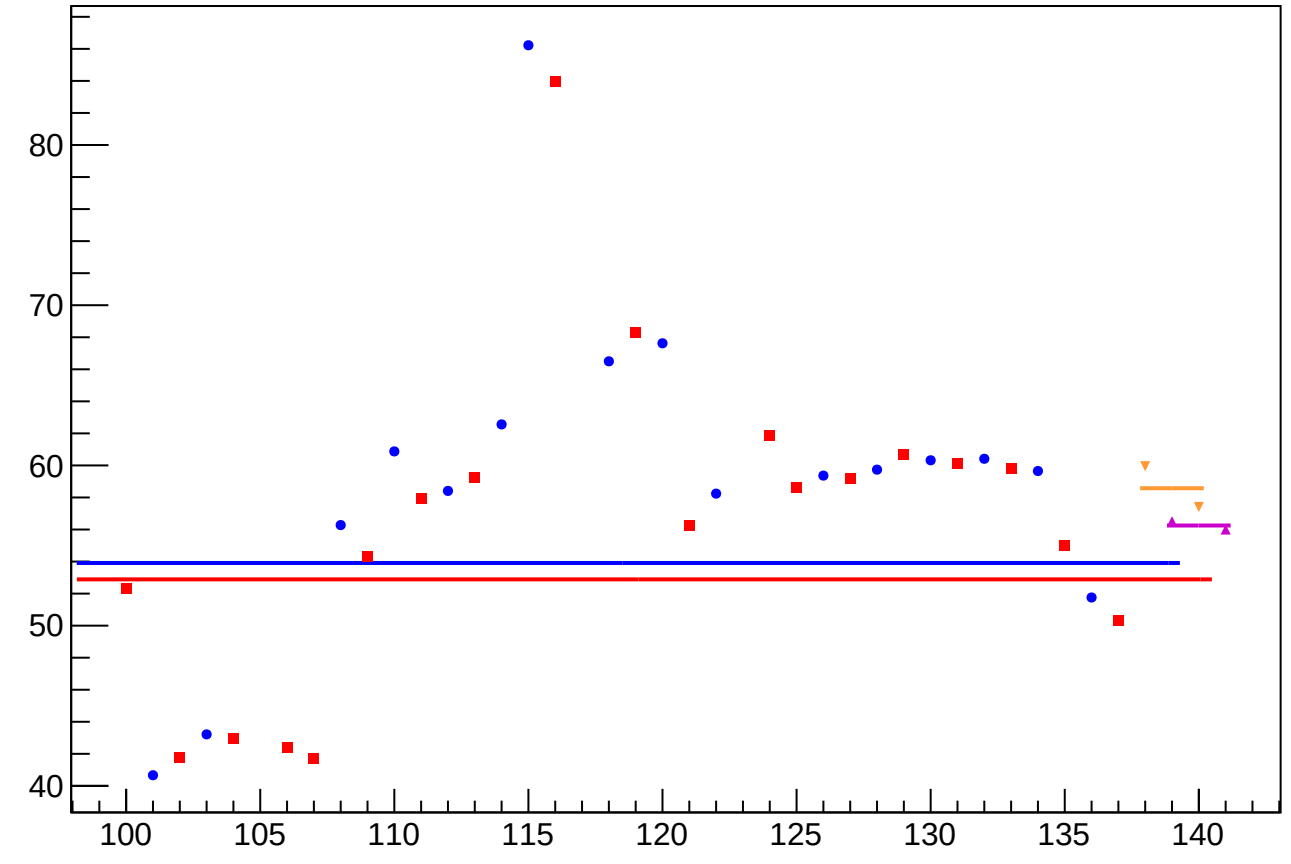
Left: 43.686+/-31.338 χ^2/NDF: 7.9/3

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 25.973+/-18.422 χ^2/NDF:26.3/17

Out: 83.135+/-18.191 χ^2/NDF:24.3/20

All: 54.915+/-12.944 χ^2/NDF: 55.4/38



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 58.577+/-0.033 χ^2/NDF:1516.6/1

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 56.250+/-0.030 χ^2/NDF:72.6/1

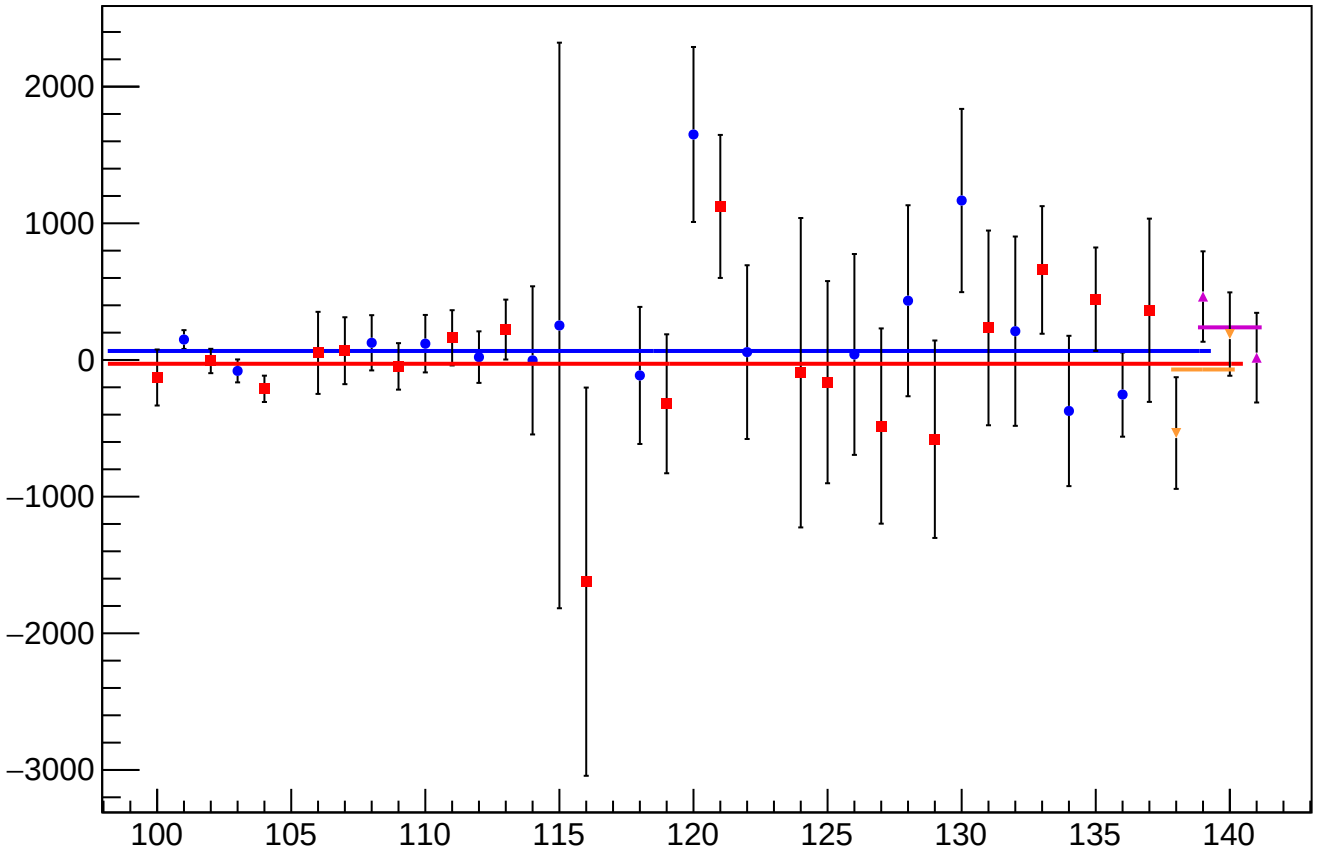
Left: 57.328+/-0.022 χ^2/NDF: 4329.6/3

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 54.346+/-0.013 χ^2/NDF:398202.1/17

Out: 53.776+/-0.013 χ^2/NDF:452492.0/20

All: 54.058+/-0.009 χ^2/NDF: 851662.0/38



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -69.592+/-244.420 χ^2/NDF:2.0/1

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 238.645+/-232.948 χ^2/NDF:0.9/1

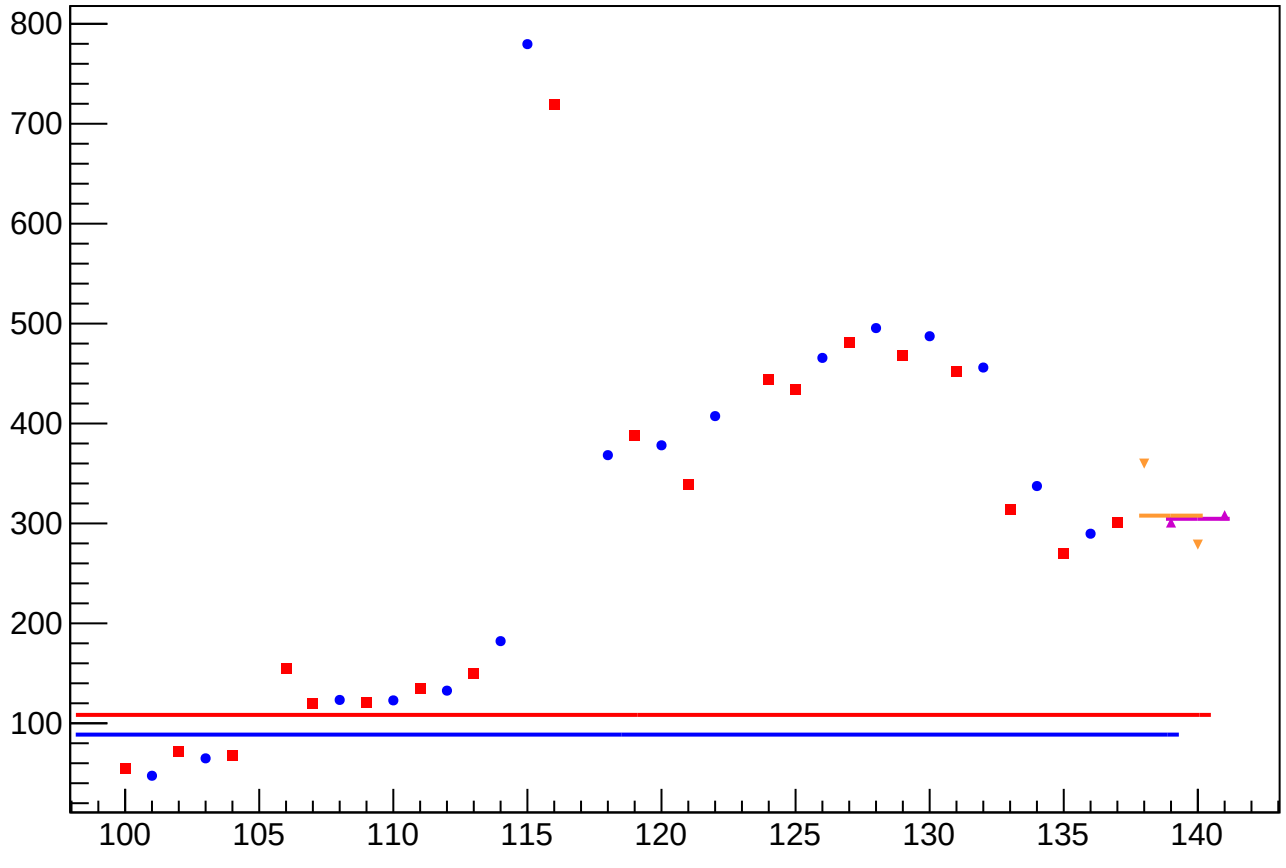
Left: 91.930+/-168.629 χ^2/NDF: 3.8/3

Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 72.468+/-45.580 χ^2/NDF:17.2/17

Out: -29.545+/-49.259 χ^2/NDF:20.0/20

All: 25.413+/-33.455 χ^2/NDF: 39.5/38



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 307.808+/-0.173 χ^2/NDF:50545.7/1

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 304.635+/-0.165 χ^2/NDF:498.3/1

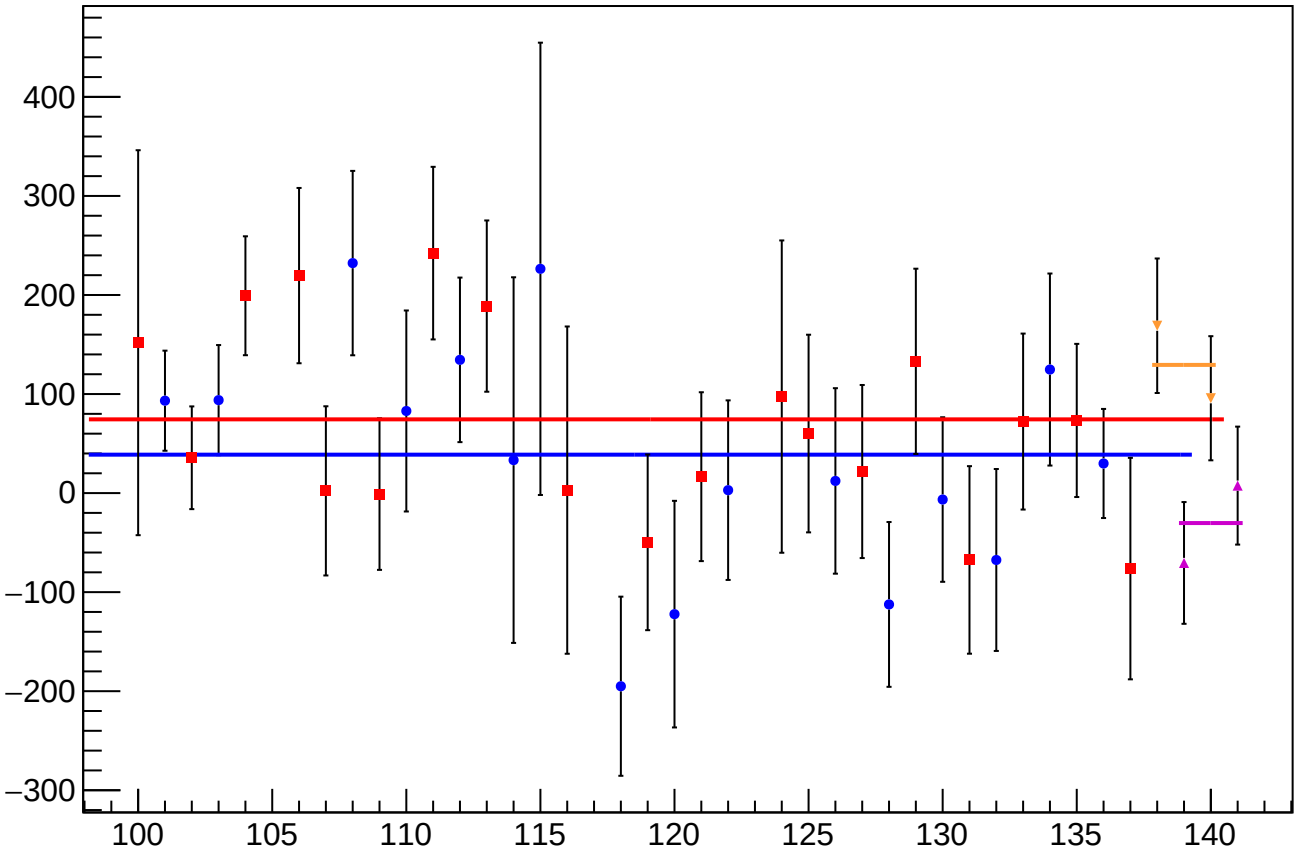
Left: 306.145+/-0.119 χ^2/NDF: 51220.5/3

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 96.927+/-0.032 χ^2/NDF:8301949.4/17

Out: 116.485+/-0.035 χ^2/NDF:6690698.7/20

All: 105.948+/-0.024 χ^2/NDF: 15162511.7/38



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 129.418+/-46.051 χ^2/NDF:0.6/1

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -30.251+/-42.769 χ^2/NDF:0.8/1

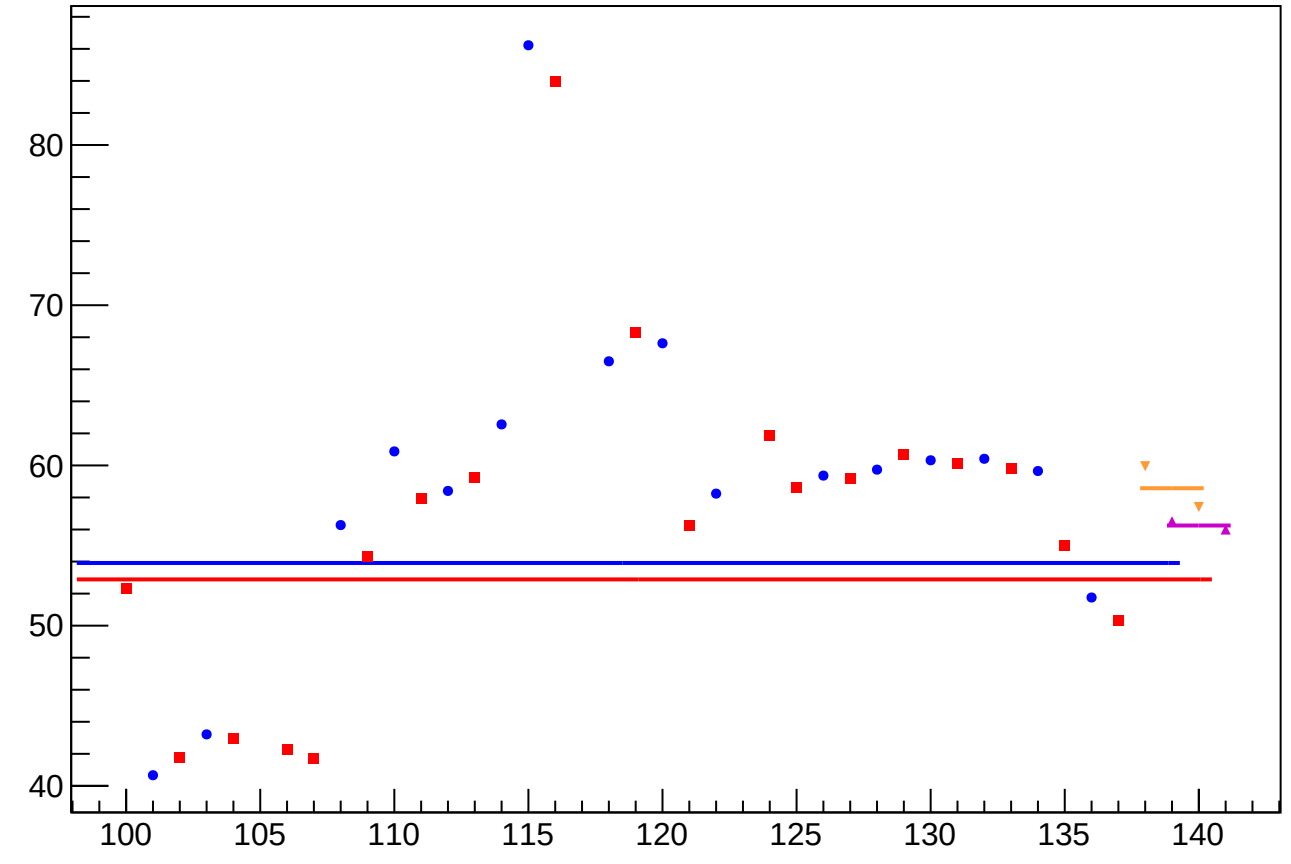
Left: 43.692+/-31.338 χ^2/NDF: 7.9/3

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.983+/-18.422 χ^2/NDF:26.3/17

Out: 83.022+/-18.192 χ^2/NDF:24.2/20

All: 54.861+/-12.944 χ^2/NDF: 55.3/38



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.577+/-0.033 χ^2/NDF:1516.6/1

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.250+/-0.030 χ^2/NDF:72.6/1

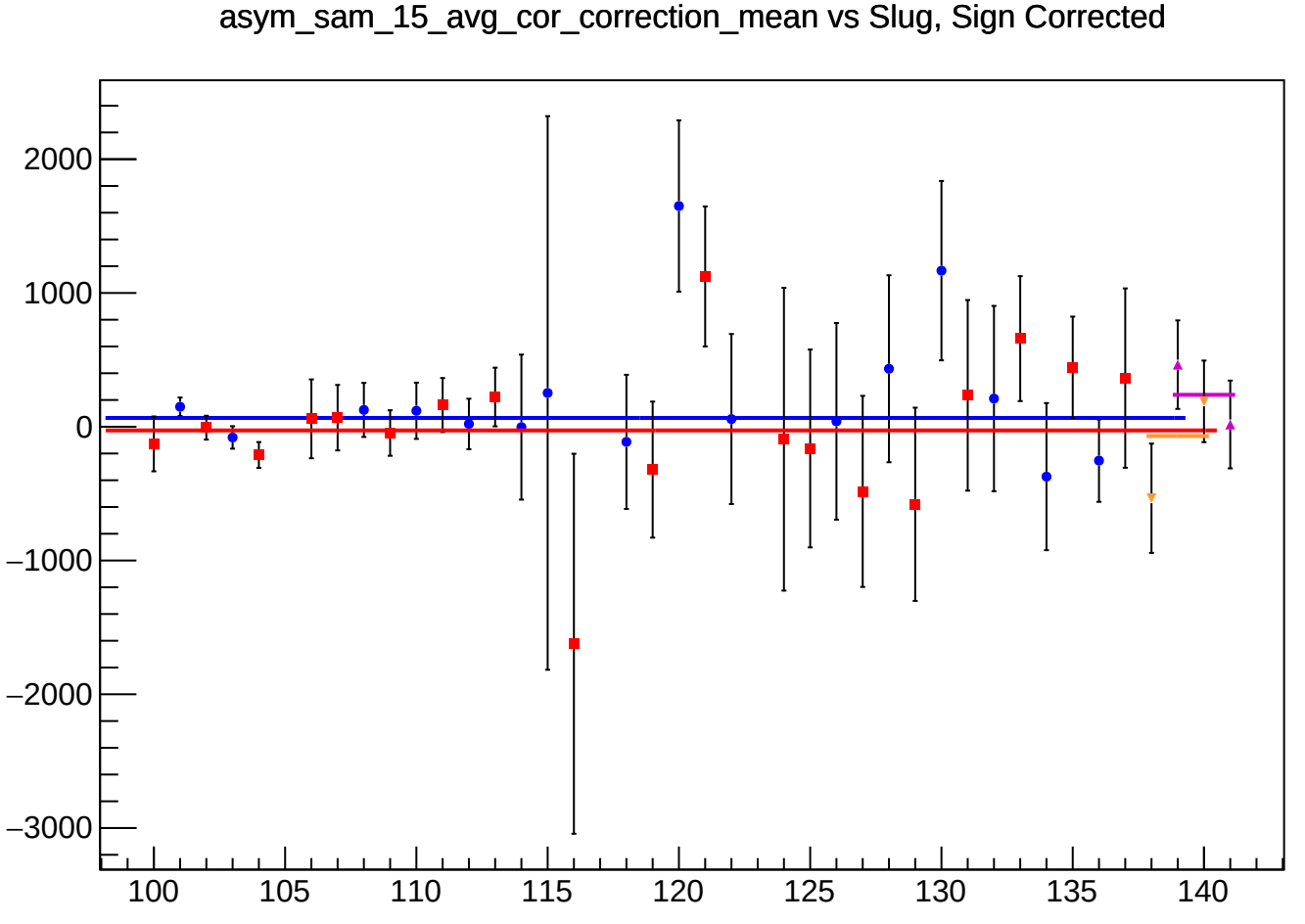
Left: 57.328+/-0.022 χ^2/NDF: 4329.6/3

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 54.346+/-0.013 χ^2/NDF:398201.5/17

Out: 53.775+/-0.013 χ^2/NDF:452819.3/20

All: 54.057+/-0.009 χ^2/NDF: 851994.7/38



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -69.584+/-244.420 χ^2/NDF:2.0/1

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 238.644+/-232.948 χ^2/NDF:0.9/1

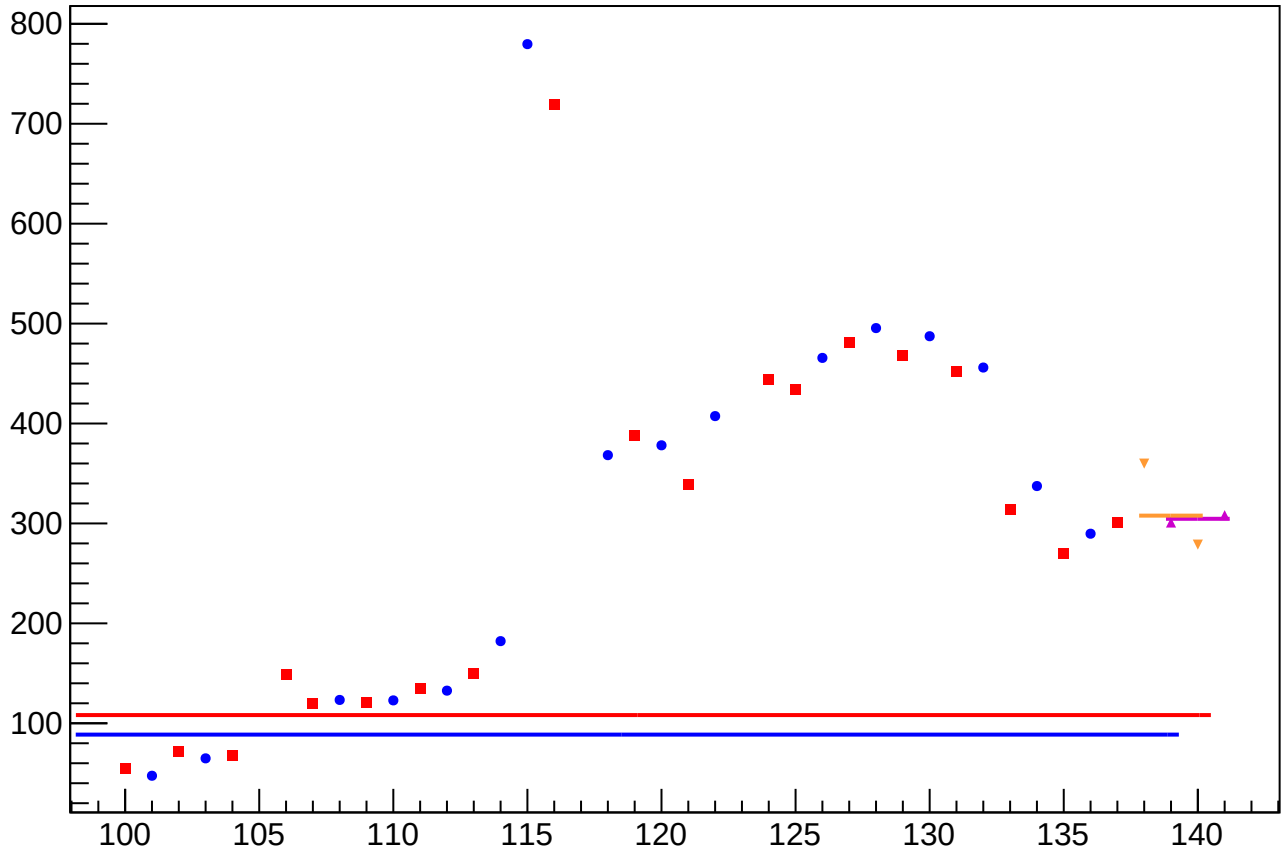
Left: 91.933+/-168.629 χ^2/NDF: 3.8/3

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 72.472+/-45.579 χ^2/NDF:17.2/17

Out: -29.116+/-49.219 χ^2/NDF:20.1/20

All: 25.573+/-33.442 χ^2/NDF: 39.5/38



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 307.808+/-0.173 χ^2/NDF:50546.3/1

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 304.636+/-0.165 χ^2/NDF:498.4/1

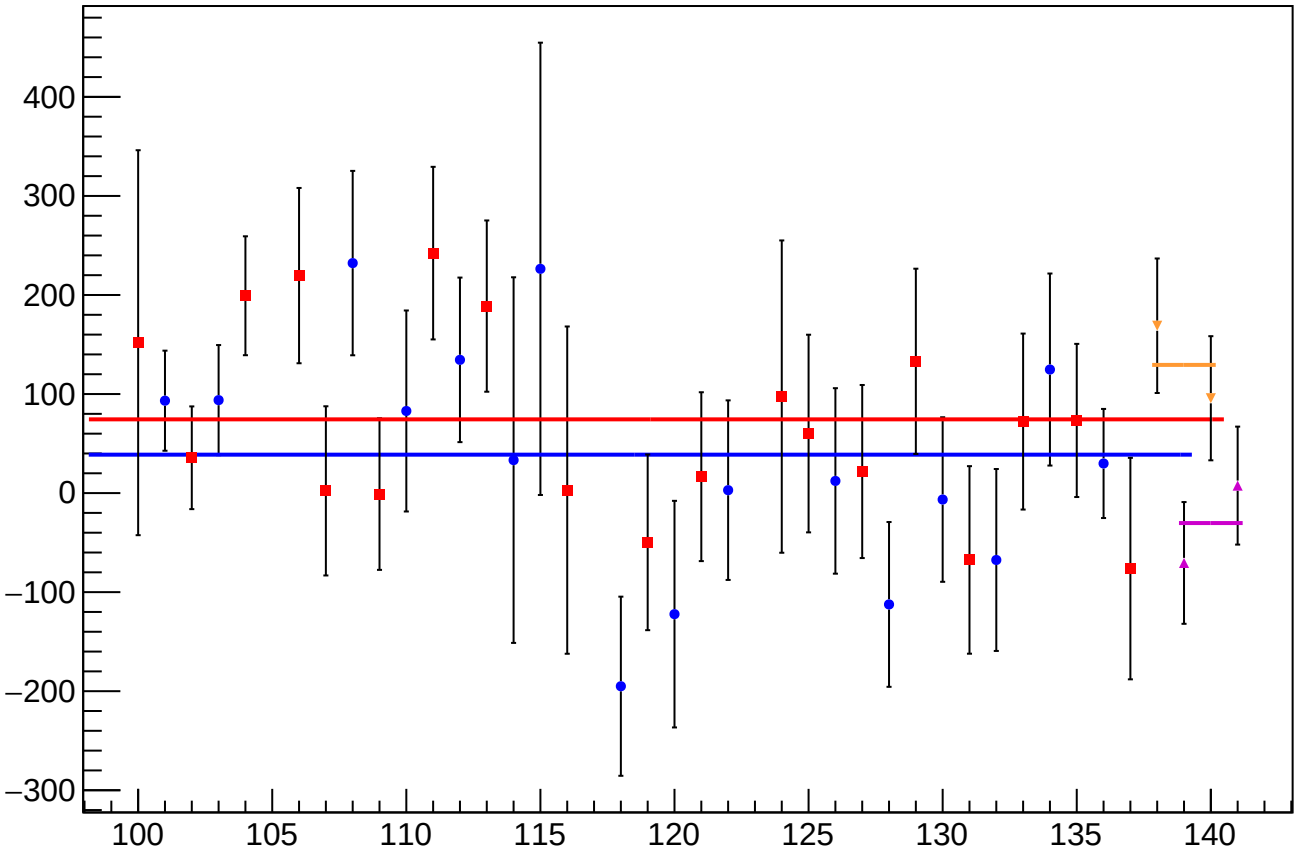
Left: 306.146+/-0.119 χ^2/NDF: 51221.3/3

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 96.924+/-0.032 χ^2/NDF:8302071.1/17

Out: 116.301+/-0.035 χ^2/NDF:6685100.3/20

All: 105.869+/-0.024 χ^2/NDF: 15154042.4/38



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 129.418+/-46.051 χ^2/NDF:0.6/1

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -30.251+/-42.769 χ^2/NDF:0.8/1

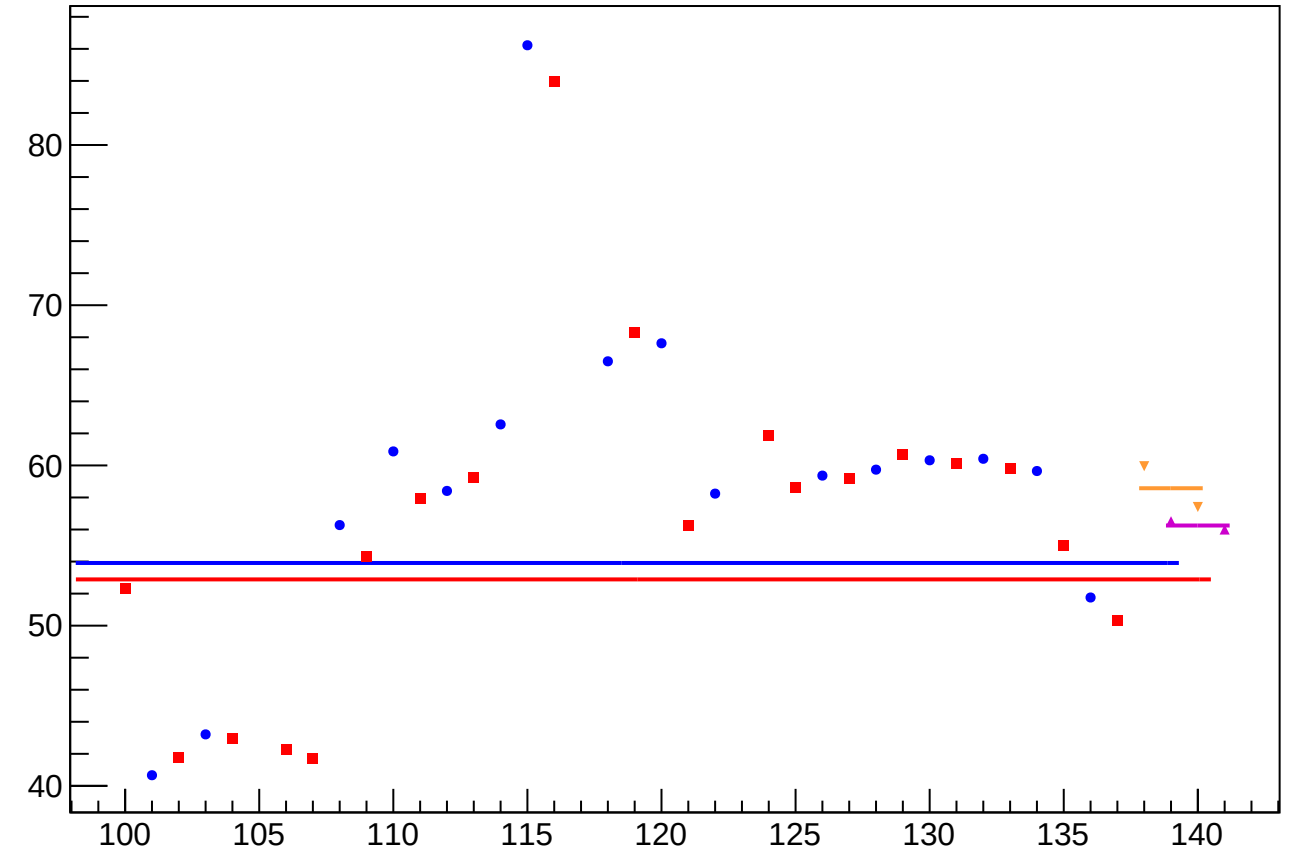
Left: 43.692+/-31.338 χ^2/NDF: 7.9/3

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.983+/-18.422 χ^2/NDF:26.3/17

Out: 83.022+/-18.192 χ^2/NDF:24.2/20

All: 54.861+/-12.944 χ^2/NDF: 55.3/38



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.577+/-0.033 χ^2/NDF:1516.6/1

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.250+/-0.030 χ^2/NDF:72.6/1

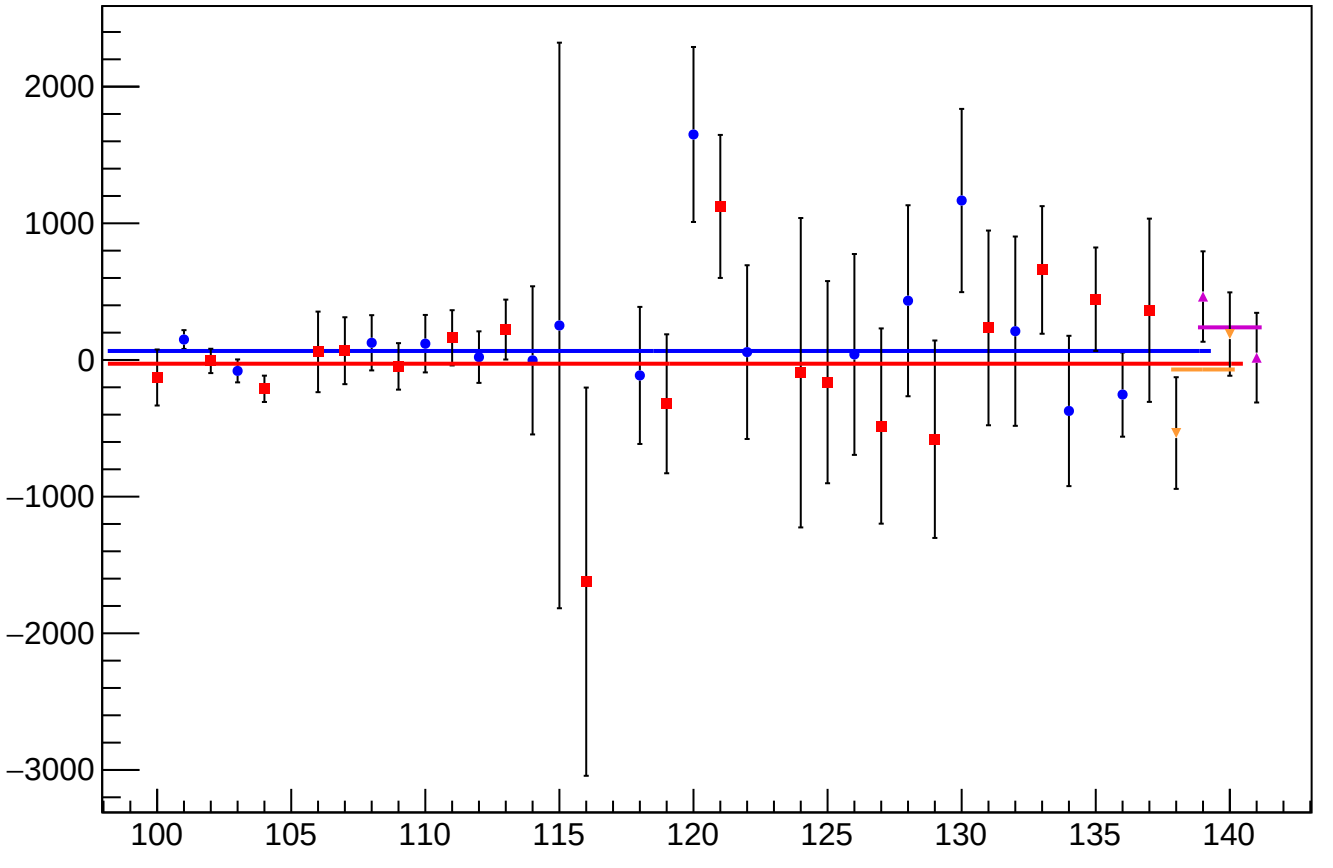
Left: 57.328+/-0.022 χ^2/NDF: 4329.6/3

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 54.346+/-0.013 χ^2/NDF:398201.5/17

Out: 53.775+/-0.013 χ^2/NDF:452819.3/20

All: 54.057+/-0.009 χ^2/NDF: 851994.7/38



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -69.584+/-244.420 χ^2/NDF:2.0/1

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 238.644+/-232.948 χ^2/NDF:0.9/1

Left: 91.933+/-168.629 χ^2/NDF: 3.8/3

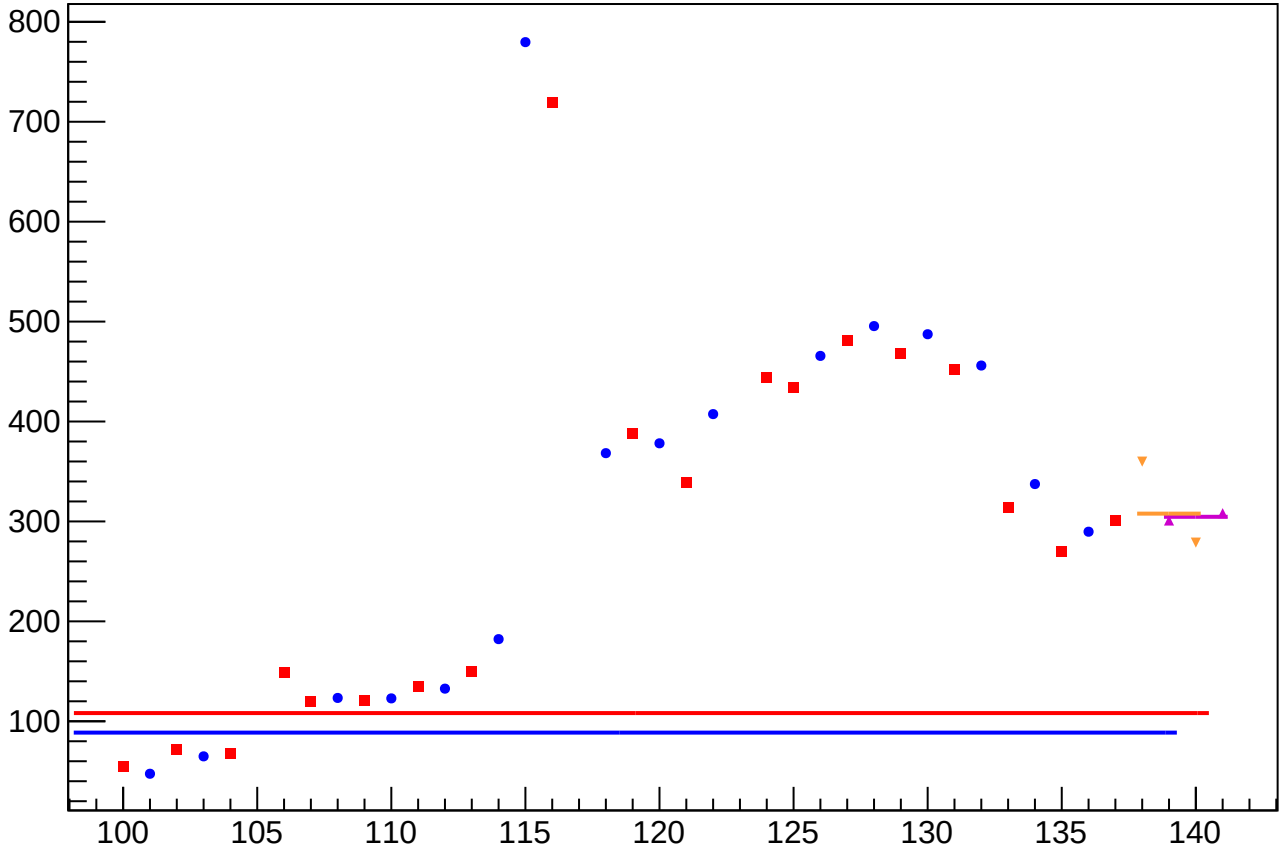
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 72.472+/-45.579 χ^2/NDF:17.2/17

Out: -29.116+/-49.219 χ^2/NDF:20.1/20

All: 25.573+/-33.442 χ^2/NDF: 39.5/38

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 307.808+/-0.173 χ^2/NDF:50546.3/1

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 304.636+/-0.165 χ^2/NDF:498.4/1

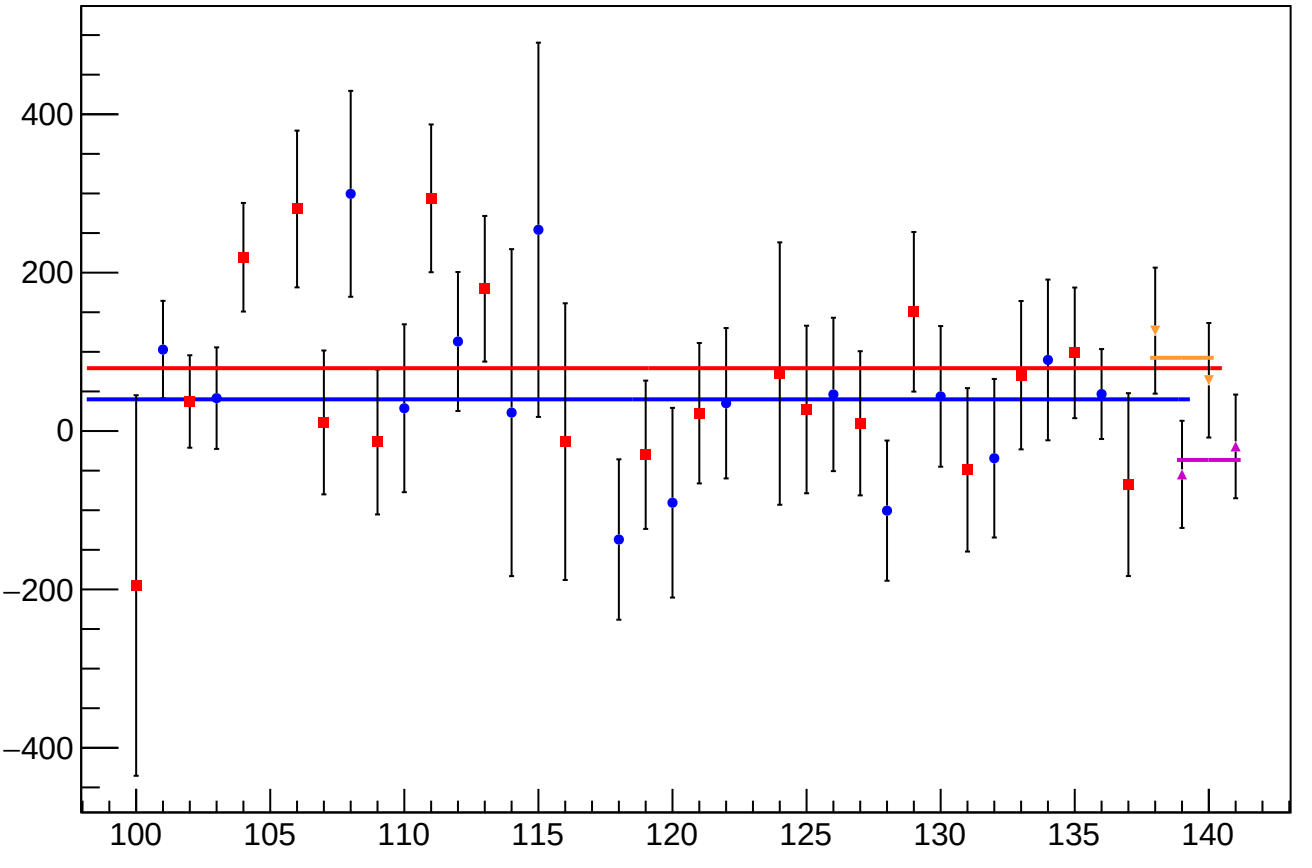
Left: 306.146+/-0.119 χ^2/NDF: 51221.3/3

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 96.924+/-0.032 χ^2/NDF:8302071.1/17

Out: 116.301+/-0.035 χ^2/NDF:6685100.3/20

All: 105.869+/-0.024 χ^2/NDF: 15154042.4/38



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 92.485+/-53.523 χ^2/NDF:0.3/1

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -36.479+/-47.039 χ^2/NDF:0.1/1

Left: 19.722+/-35.333 χ^2/NDF: 3.8/3

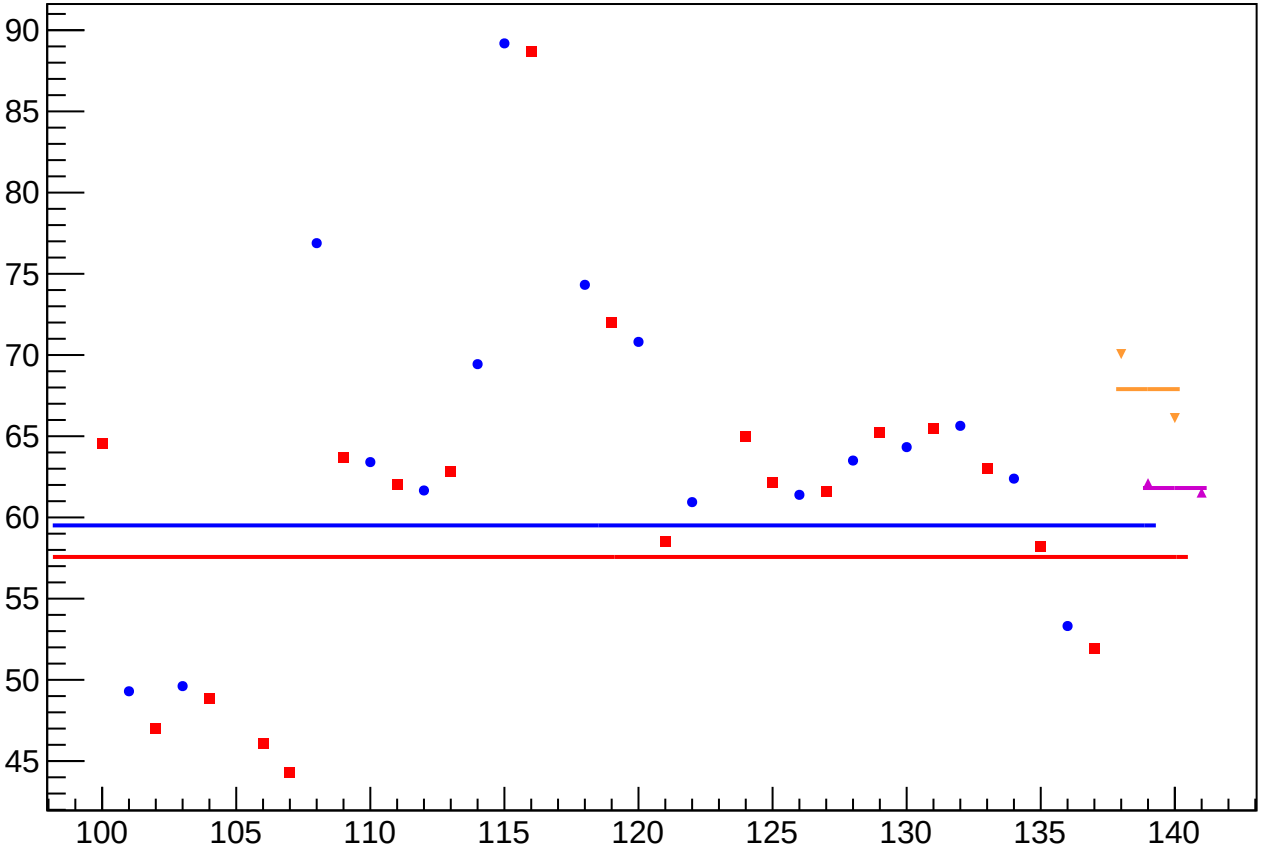
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 25.769+/-20.308 χ^2/NDF:16.4/17

Out: 81.211+/-20.012 χ^2/NDF:25.2/20

All: 53.897+/-14.254 χ^2/NDF: 45.4/38

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 67.900+/-0.038 χ^2/NDF:2683.3/1

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 61.812+/-0.033 χ^2/NDF:75.7/1

Left: 64.465+/-0.025 χ^2/NDF: 17361.9/3

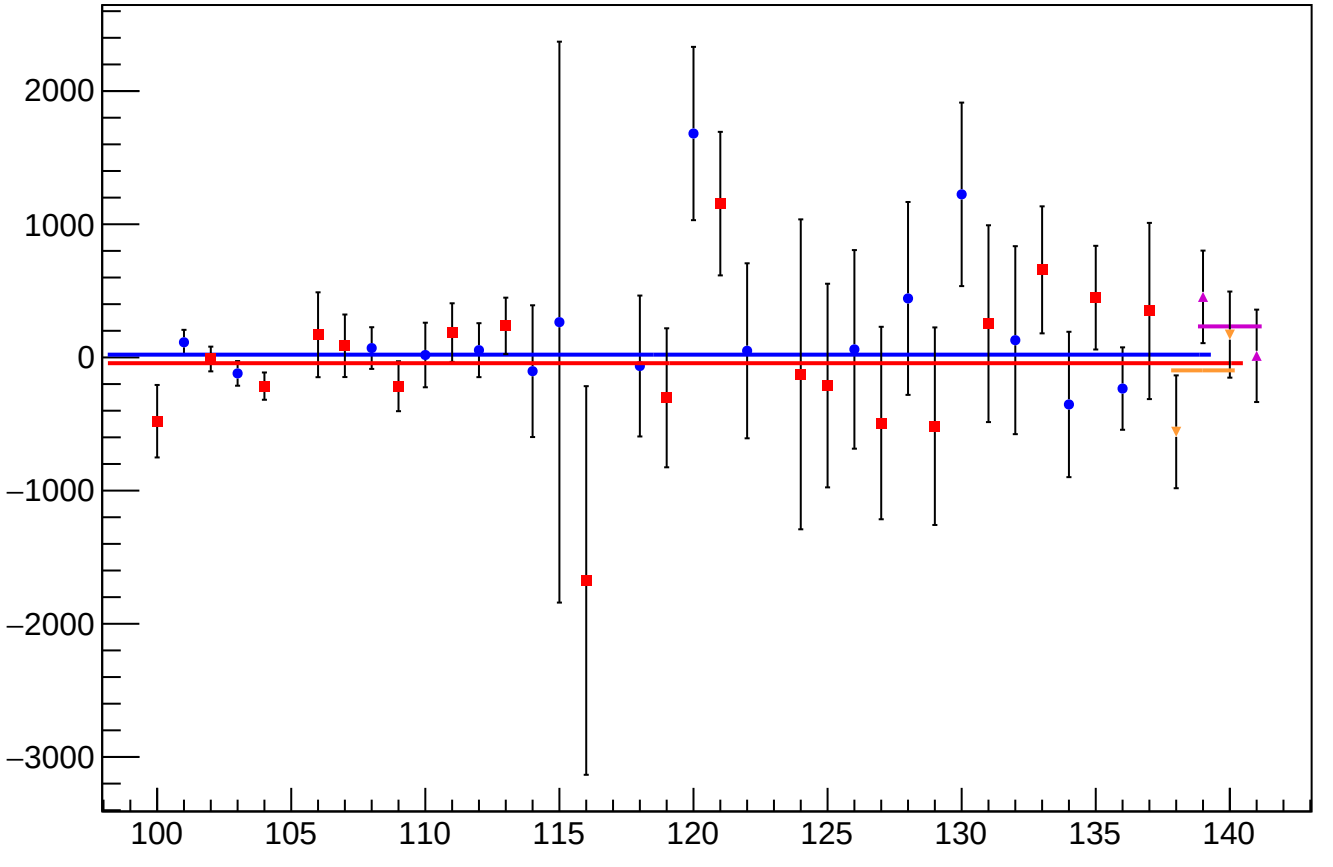
Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 59.938+/-0.014 χ^2/NDF:287168.2/17

Out: 59.011+/-0.014 χ^2/NDF:414187.6/20

All: 59.468+/-0.010 χ^2/NDF: 703467.9/38

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -97.155+/-257.018 χ^2/NDF:1.9/1

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 233.051+/-245.503 χ^2/NDF:0.8/1

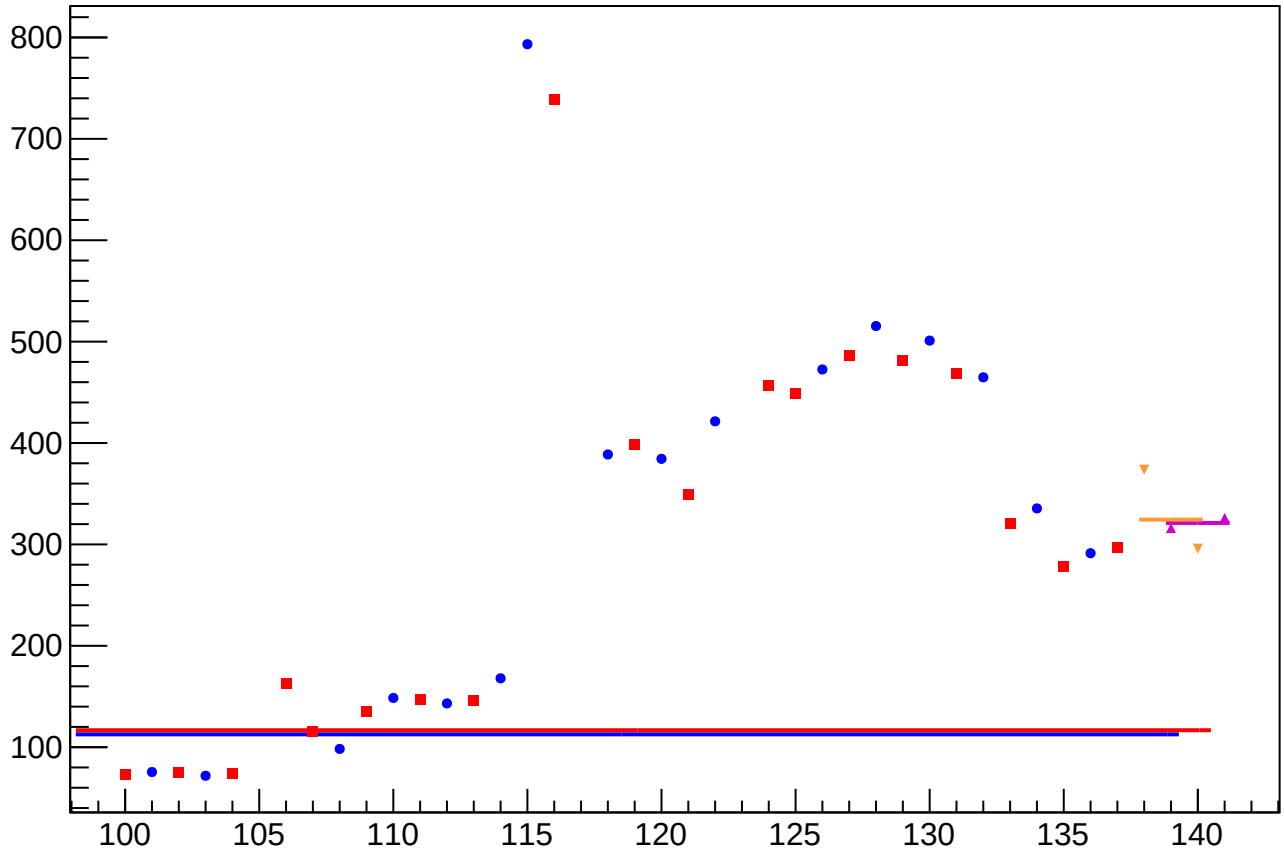
Left: 75.511+/-177.528 χ^2/NDF: 3.6/3

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 30.490+/-52.353 χ^2/NDF:16.1/17

Out: -45.477+/-52.105 χ^2/NDF:23.4/20

All: -7.673+/-36.931 χ^2/NDF: 40.6/38



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 324.460+/-0.182 χ^2/NDF:42662.7/1

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 321.172+/-0.174 χ^2/NDF:821.7/1

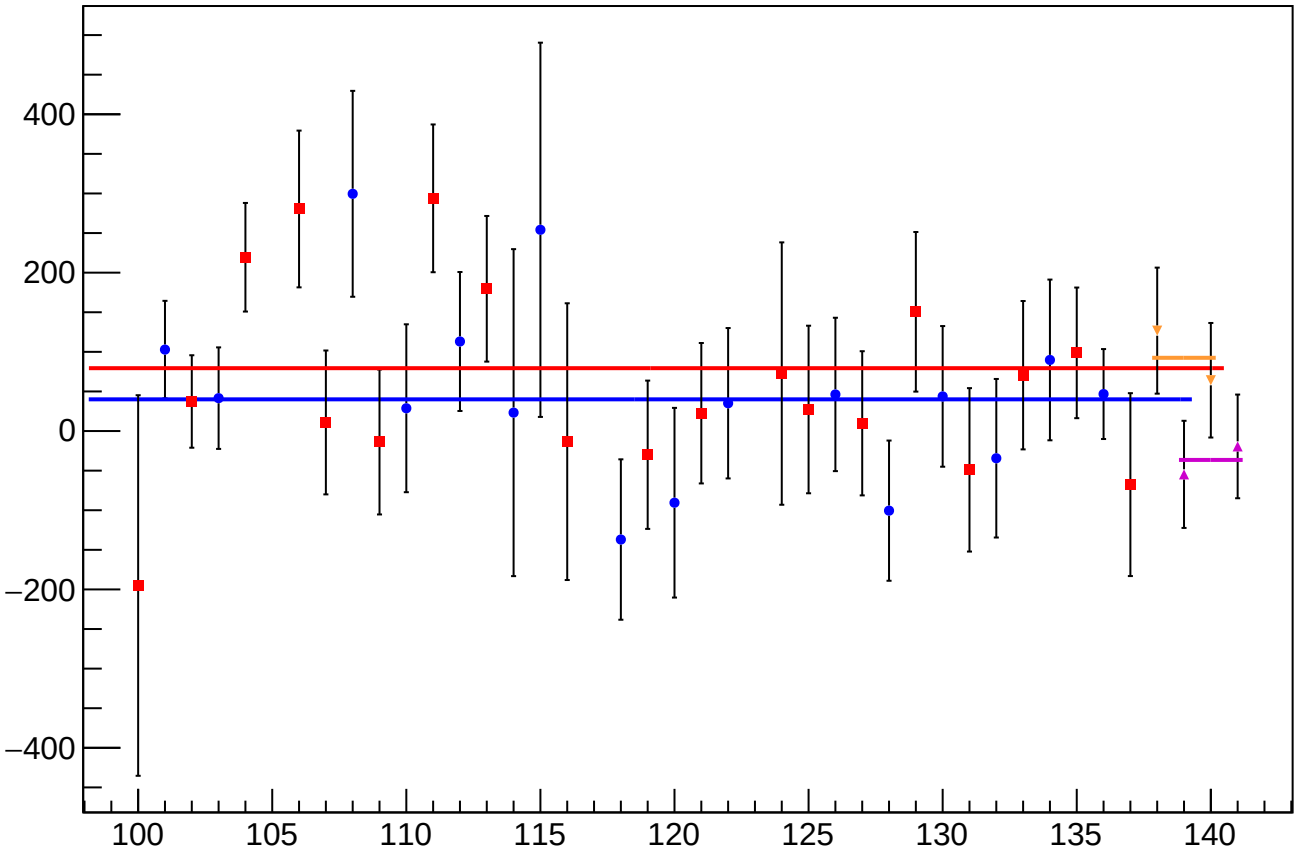
Left: 322.741+/-0.126 χ^2/NDF: 43655.5/3

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 122.150+/-0.037 χ^2/NDF:6977477.3/17

Out: 125.270+/-0.037 χ^2/NDF:6436796.3/20

All: 123.717+/-0.026 χ^2/NDF: 13417843.2/38



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 92.485+/-53.523 χ^2/NDF:0.3/1

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -36.478+/-47.039 χ^2/NDF:0.1/1

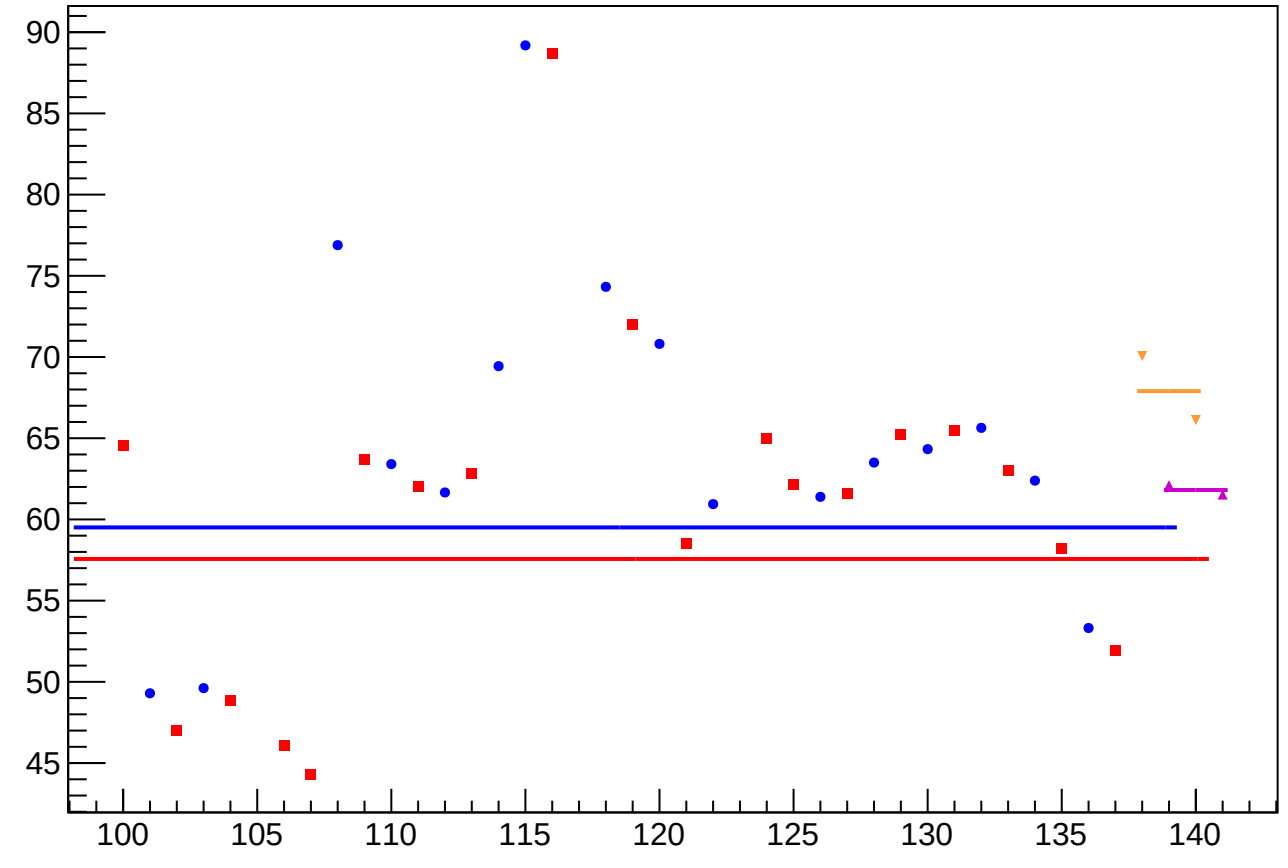
Left: 19.723+/-35.333 χ^2/NDF: 3.8/3

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 25.770+/-20.308 χ^2/NDF:16.4/17

Out: 81.210+/-20.012 χ^2/NDF:25.2/20

All: 53.897+/-14.254 χ^2/NDF: 45.4/38



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 67.901+/-0.038 χ^2/NDF:2683.3/1

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 61.812+/-0.033 χ^2/NDF:75.7/1

Left: 64.465+/-0.025 χ^2/NDF: 17361.7/3

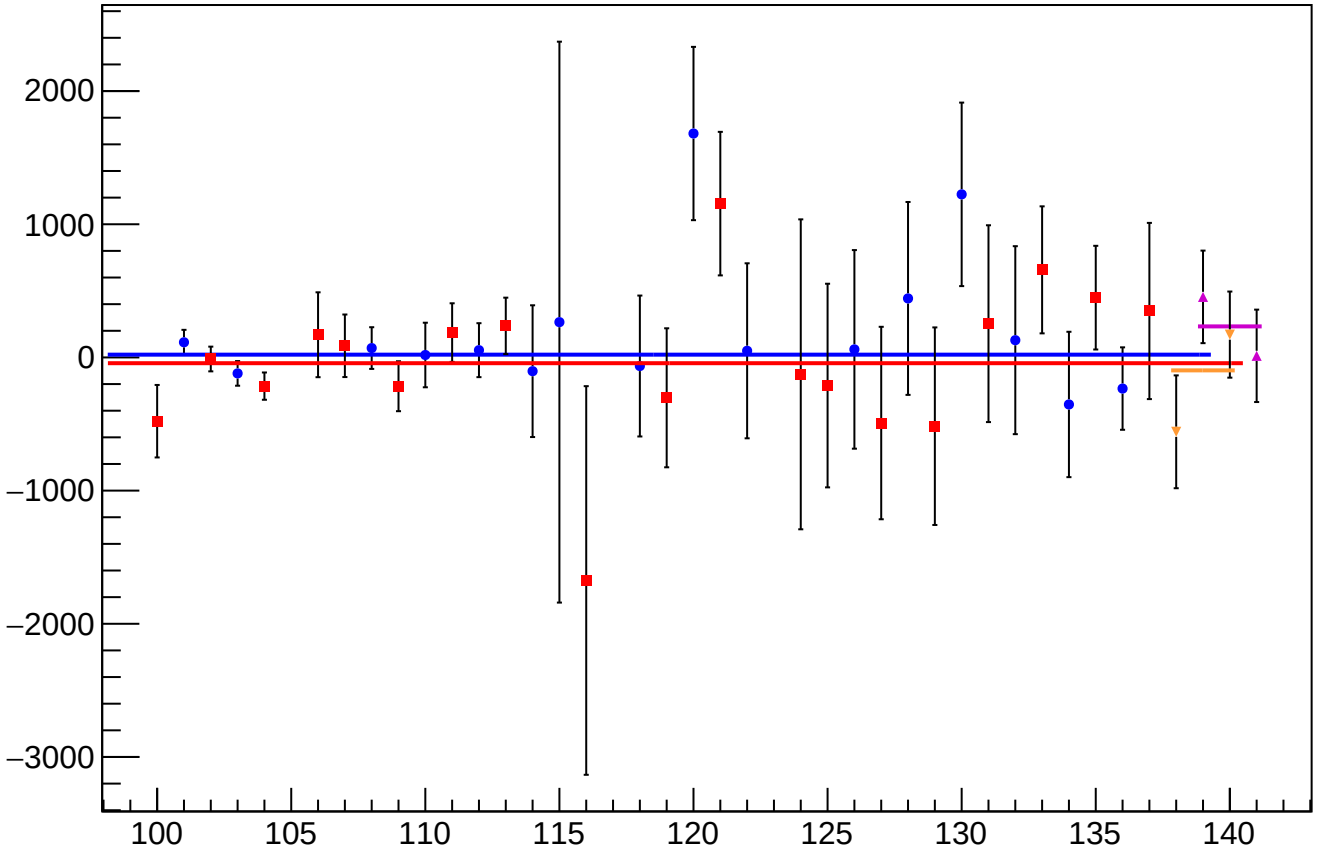
Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 59.938+/-0.014 χ^2/NDF:287167.7/17

Out: 59.011+/-0.014 χ^2/NDF:414190.2/20

All: 59.468+/-0.010 χ^2/NDF: 703470.3/38

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -97.155+/-257.020 χ^2/NDF:1.9/1

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 233.052+/-245.504 χ^2/NDF:0.8/1

Left: 75.512+/-177.529 χ^2/NDF: 3.6/3

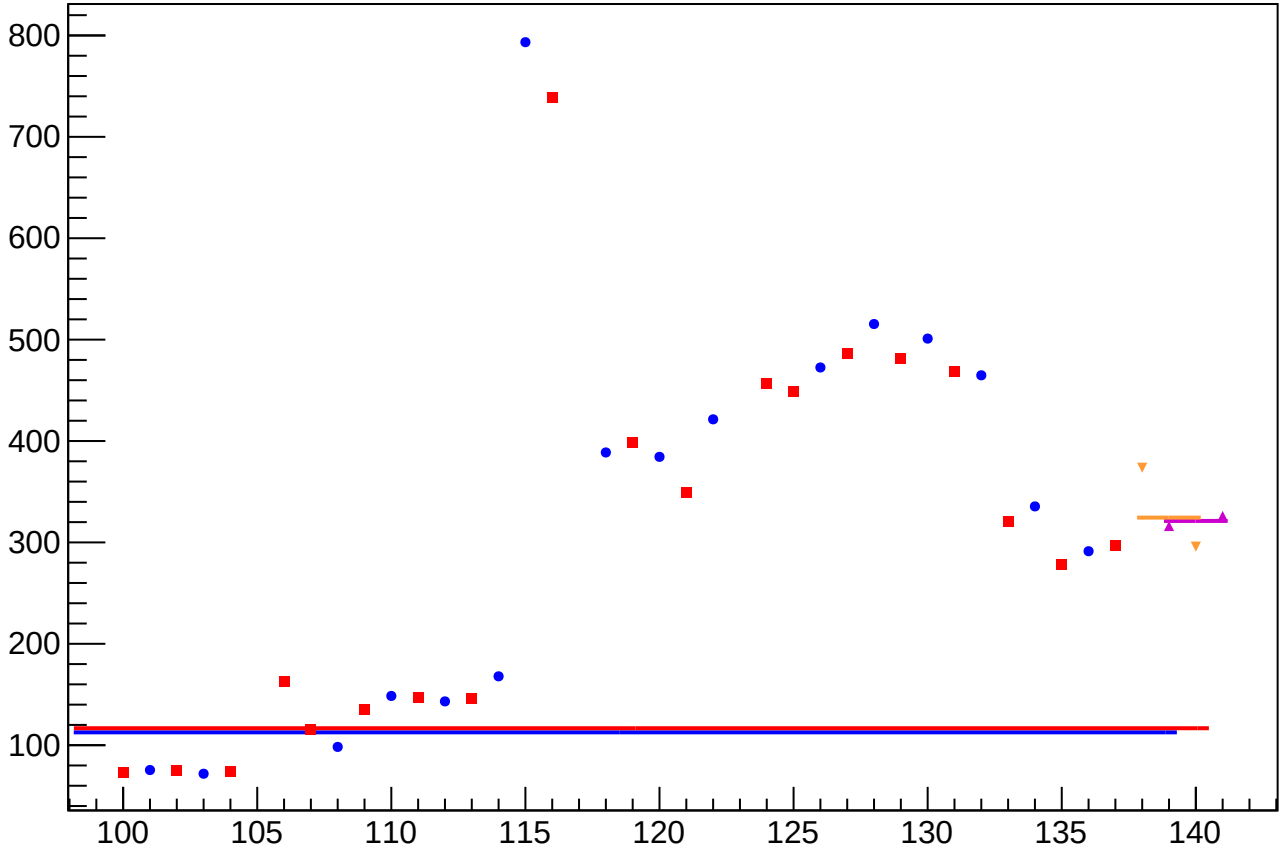
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 30.490+/-52.353 χ^2/NDF:16.1/17

Out: -45.477+/-52.105 χ^2/NDF:23.4/20

All: -7.673+/-36.931 χ^2/NDF: 40.6/38

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 324.462+/-0.182 χ^2/NDF:42663.0/1

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 321.174+/-0.174 χ^2/NDF:821.8/1

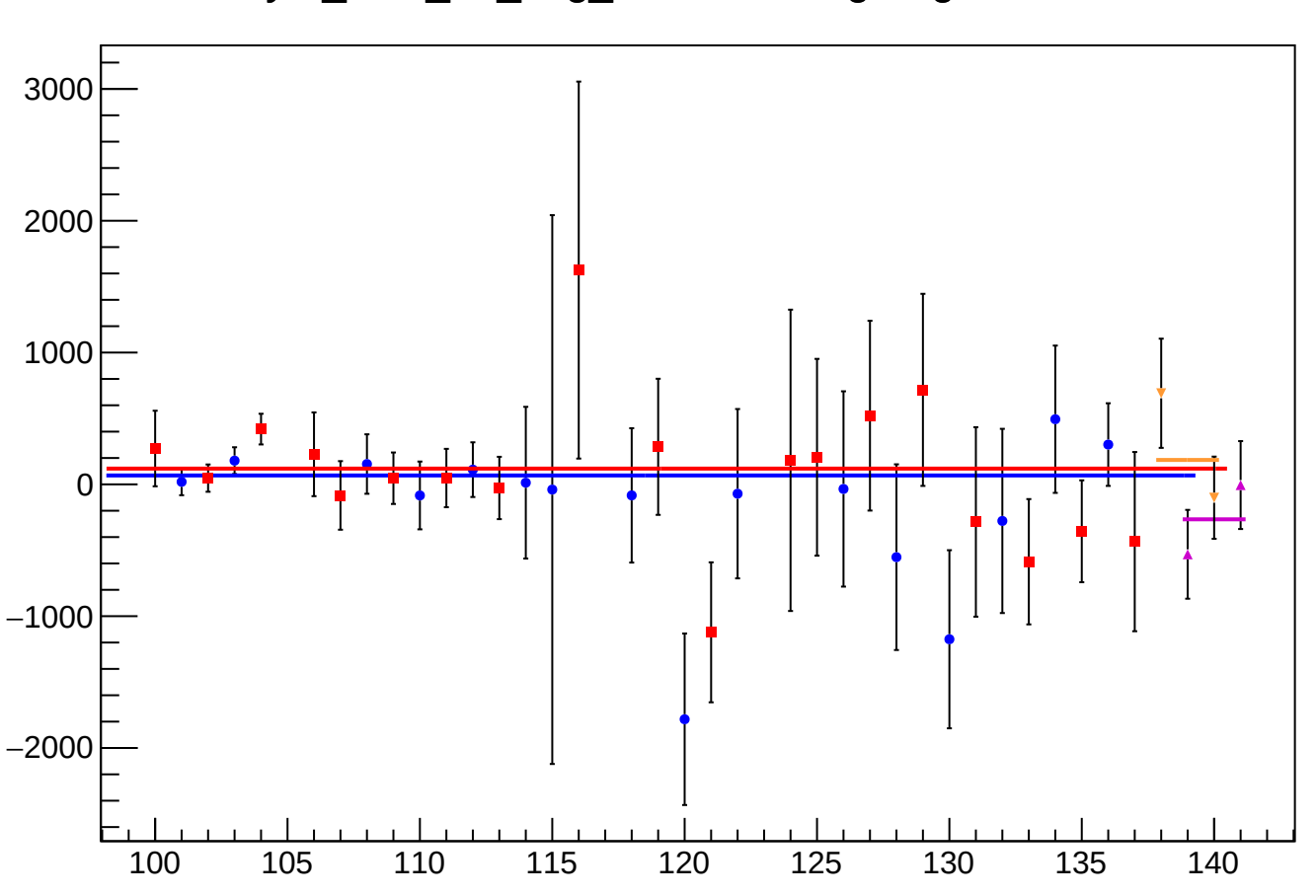
Left: 322.743+/-0.126 χ^2/NDF: 43656.0/3

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 122.149+/-0.037 χ^2/NDF:6977485.4/17

Out: 125.270+/-0.037 χ^2/NDF:6436811.5/20

All: 123.717+/-0.026 χ^2/NDF: 13417866.3/38



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 185.186+/-249.055 χ^2/NDF:2.3/1

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -265.202+/-237.009 χ^2/NDF:1.2/1

Left: -51.163+/-171.691 χ^2/NDF: 5.3/3

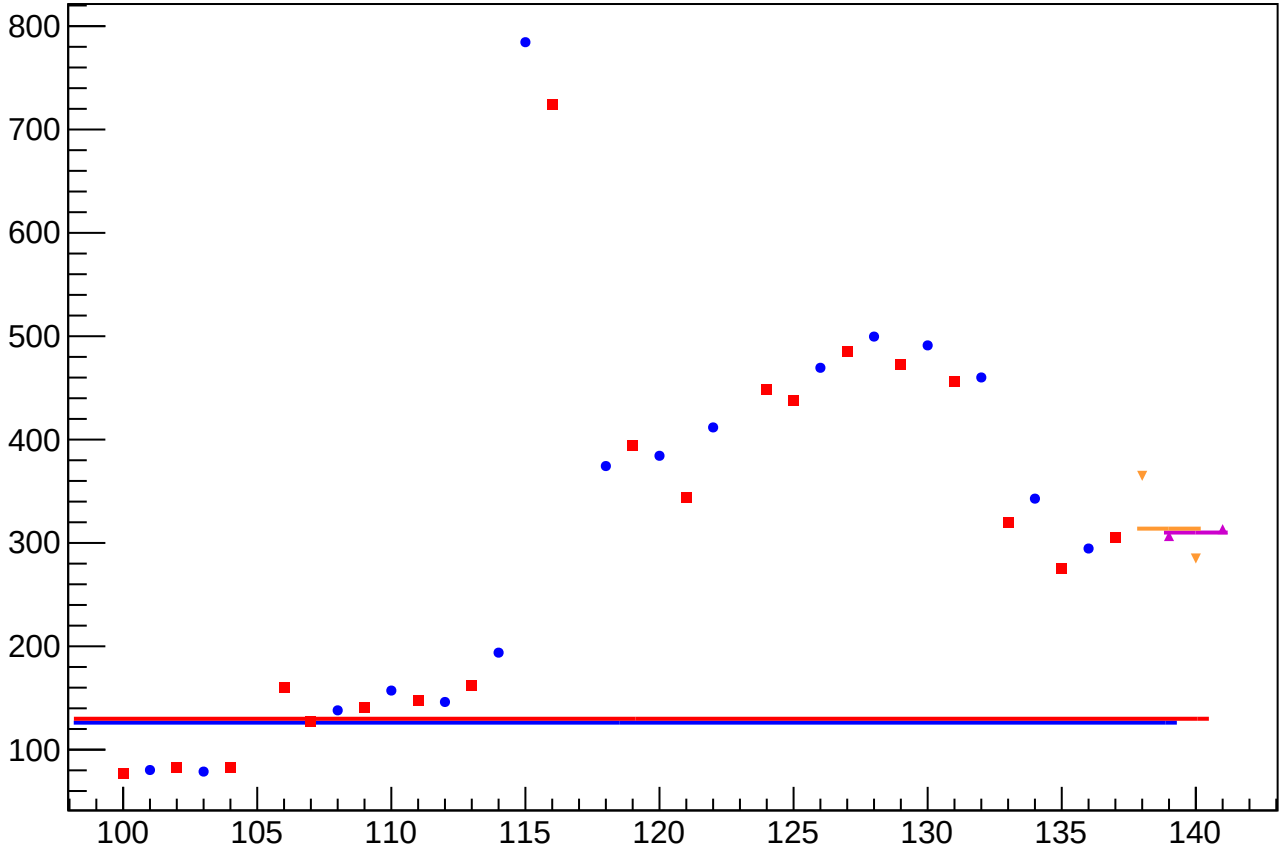
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 48.095+/-57.407 χ^2/NDF:18.9/17

Out: 123.001+/-56.434 χ^2/NDF:23.5/20

All: 86.188+/-40.245 χ^2/NDF: 43.3/38

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 313.858+/-0.176 χ^2/NDF:47577.4/1

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 310.070+/-0.168 χ^2/NDF:396.7/1

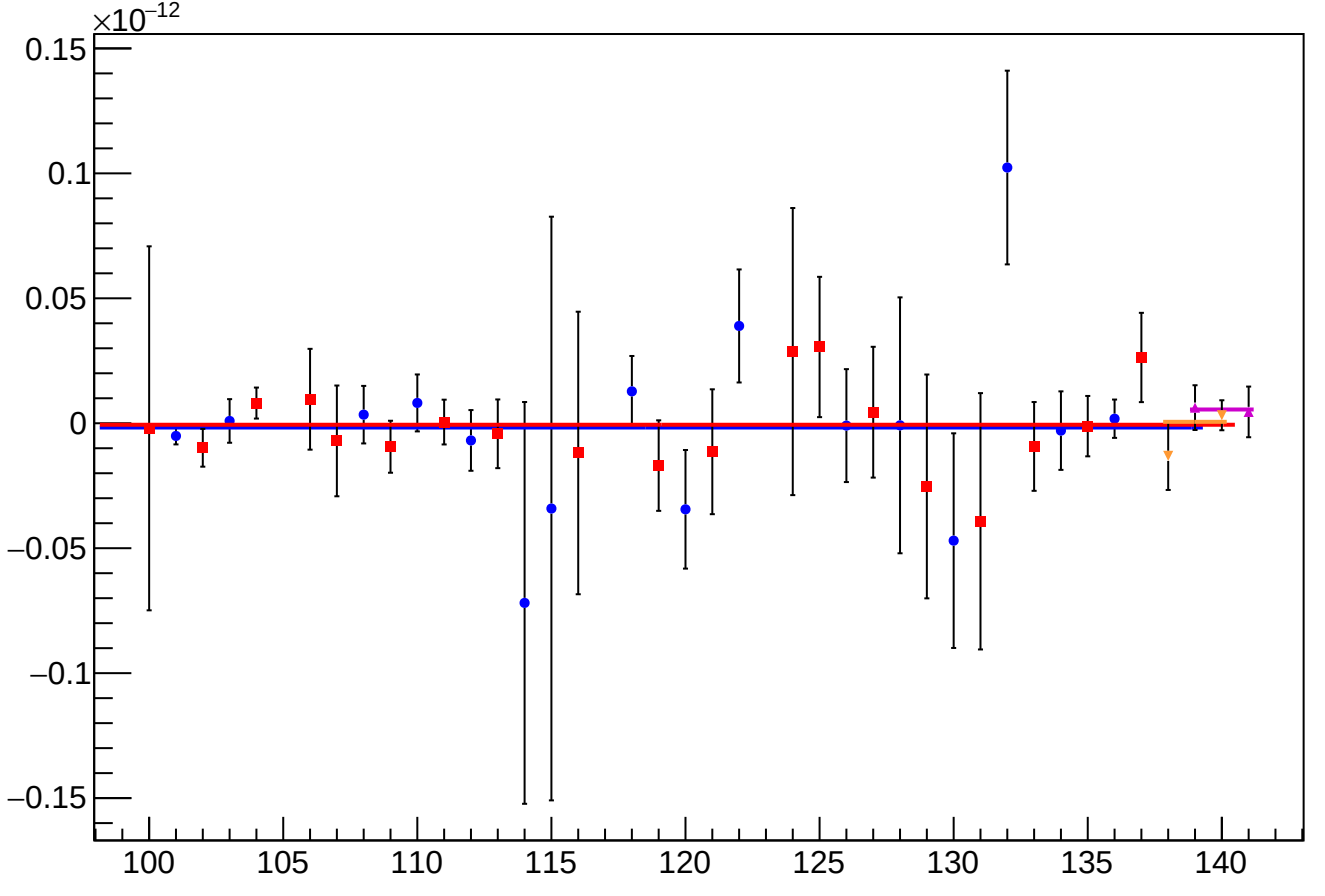
Left: 311.870+/-0.121 χ^2/NDF: 48216.9/3

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 136.944+/-0.041 χ^2/NDF:6354179.4/17

Out: 139.359+/-0.040 χ^2/NDF:5730197.5/20

All: 138.172+/-0.028 χ^2/NDF: 12086177.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

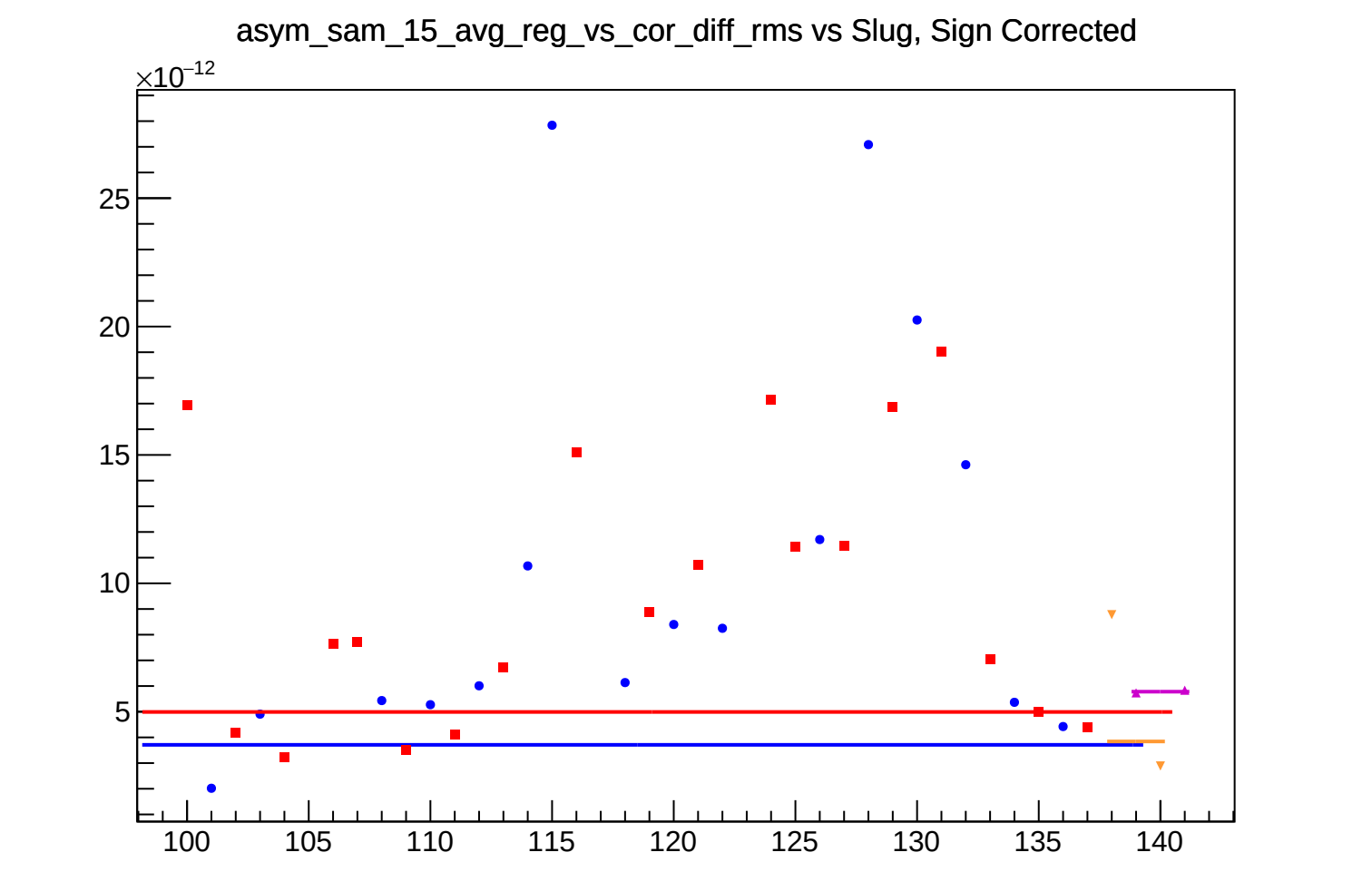
Left: 0.000+/-0.000 χ^2/NDF: 1.5/3

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:18.8/17

Out: -0.000+/-0.000 χ^2/NDF:11.8/20

All: -0.000+/-0.000 χ^2/NDF: 30.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:312245.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:114.0/1

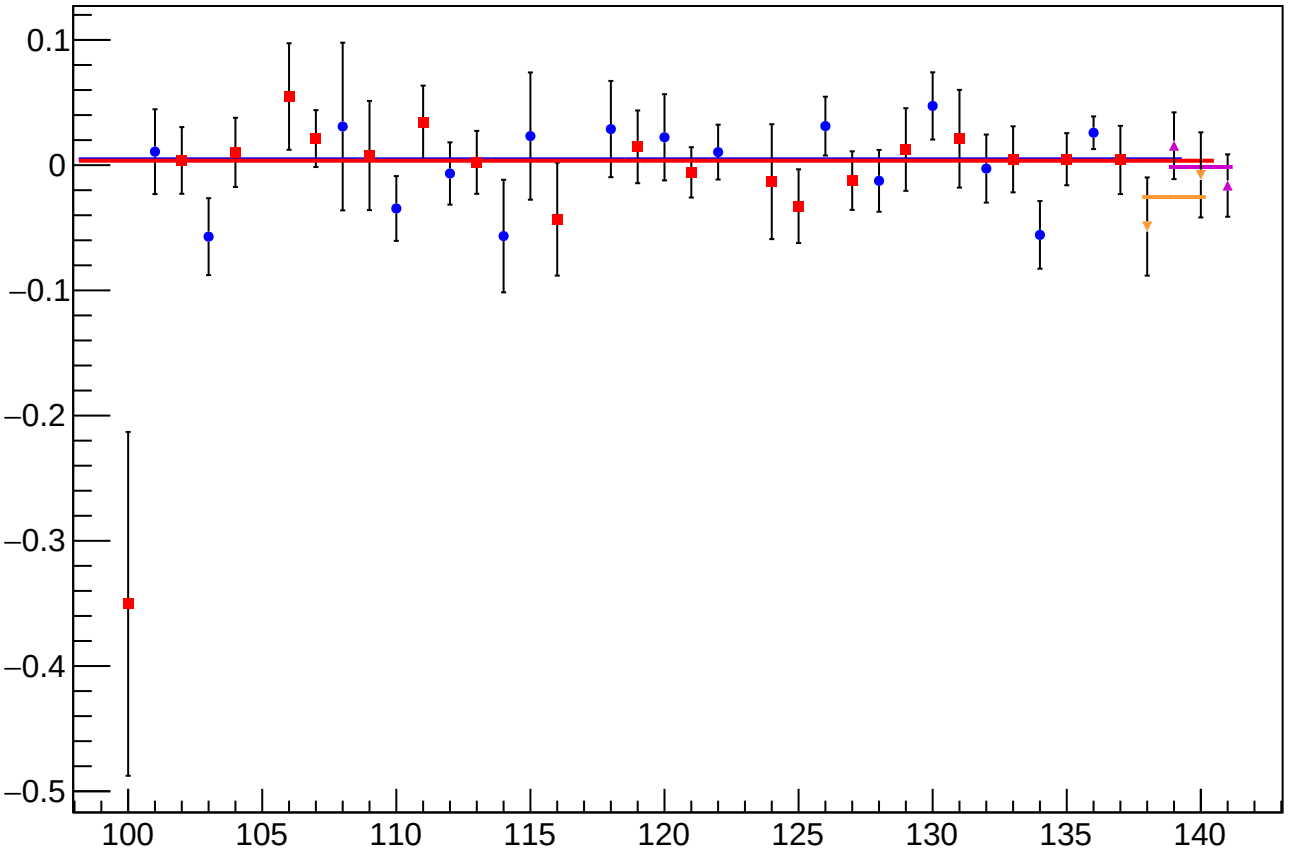
Left: 0.000+/-0.000 χ^2/NDF: 412302.7/3

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:2339234.2/17

Out: 0.000+/-0.000 χ^2/NDF:1672861.1/20

All: 0.000+/-0.000 χ^2/NDF: 4092526.6/38



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.025+/-0.026 χ^2/NDF:0.6/1

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.001+/-0.018 χ^2/NDF:0.8/1

Left: -0.009+/-0.015 χ^2/NDF: 2.0/3

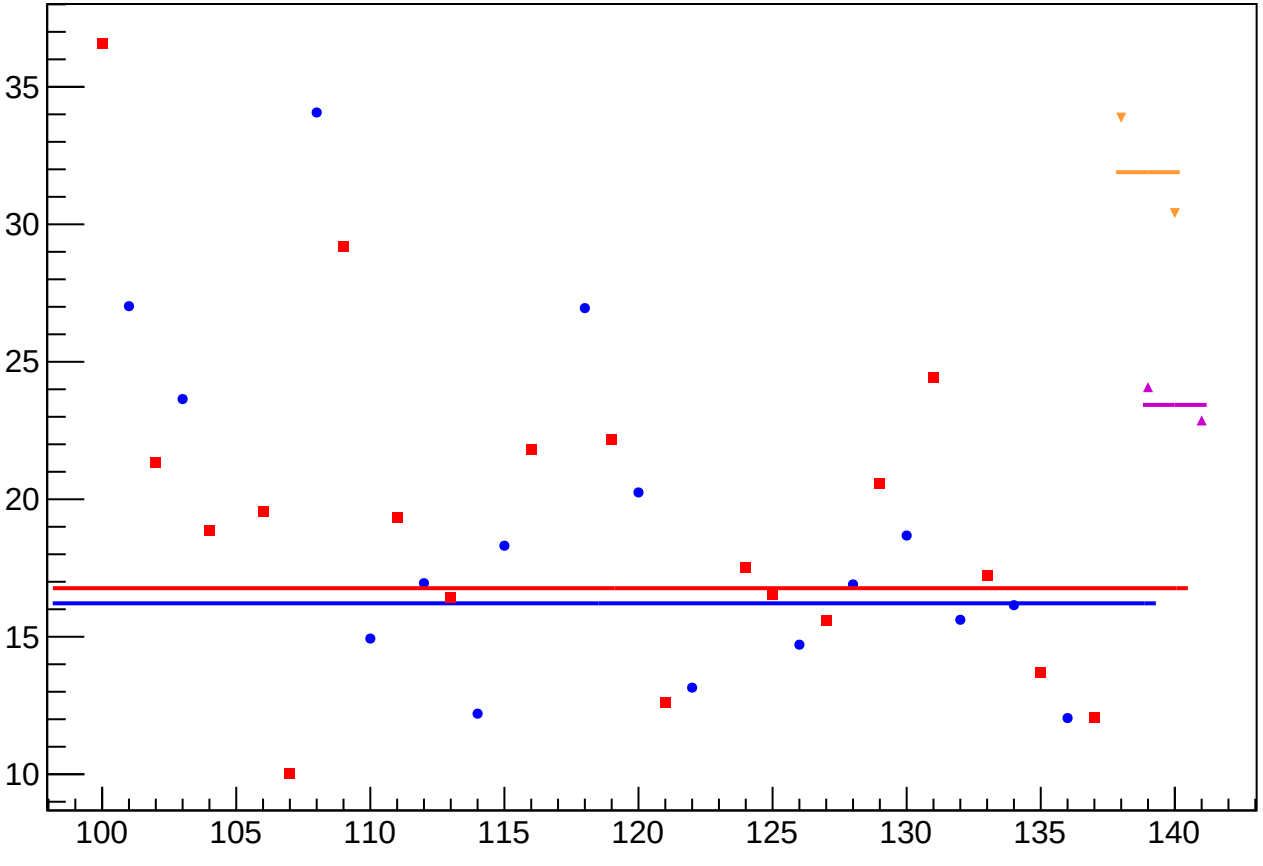
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.006 χ^2/NDF:22.3/17

Out: 0.002+/-0.006 χ^2/NDF:15.4/20

All: 0.003+/-0.004 χ^2/NDF: 37.8/38

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 31.895+/-0.018 χ^2/NDF:8958.3/1

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 23.433+/-0.013 χ^2/NDF:2199.4/1

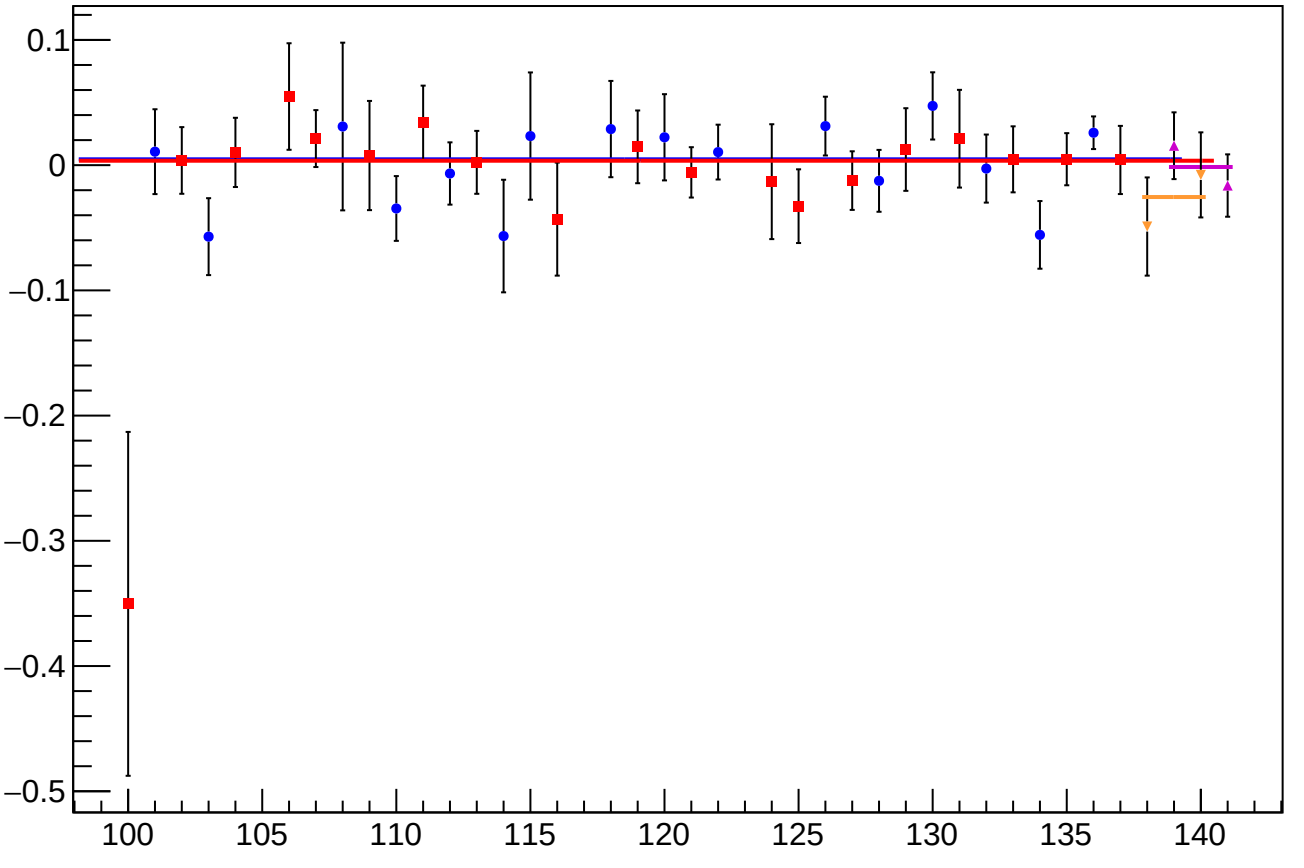
Left: 26.262+/-0.010 χ^2/NDF: 155752.7/3

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.047+/-0.004 χ^2/NDF:1224258.0/17

Out: 17.711+/-0.005 χ^2/NDF:1526637.0/20

All: 17.366+/-0.003 χ^2/NDF: 2761996.4/38



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.025+/-0.026 χ^2/NDF:0.6/1

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.001+/-0.018 χ^2/NDF:0.8/1

Left: -0.009+/-0.015 χ^2/NDF: 2.0/3

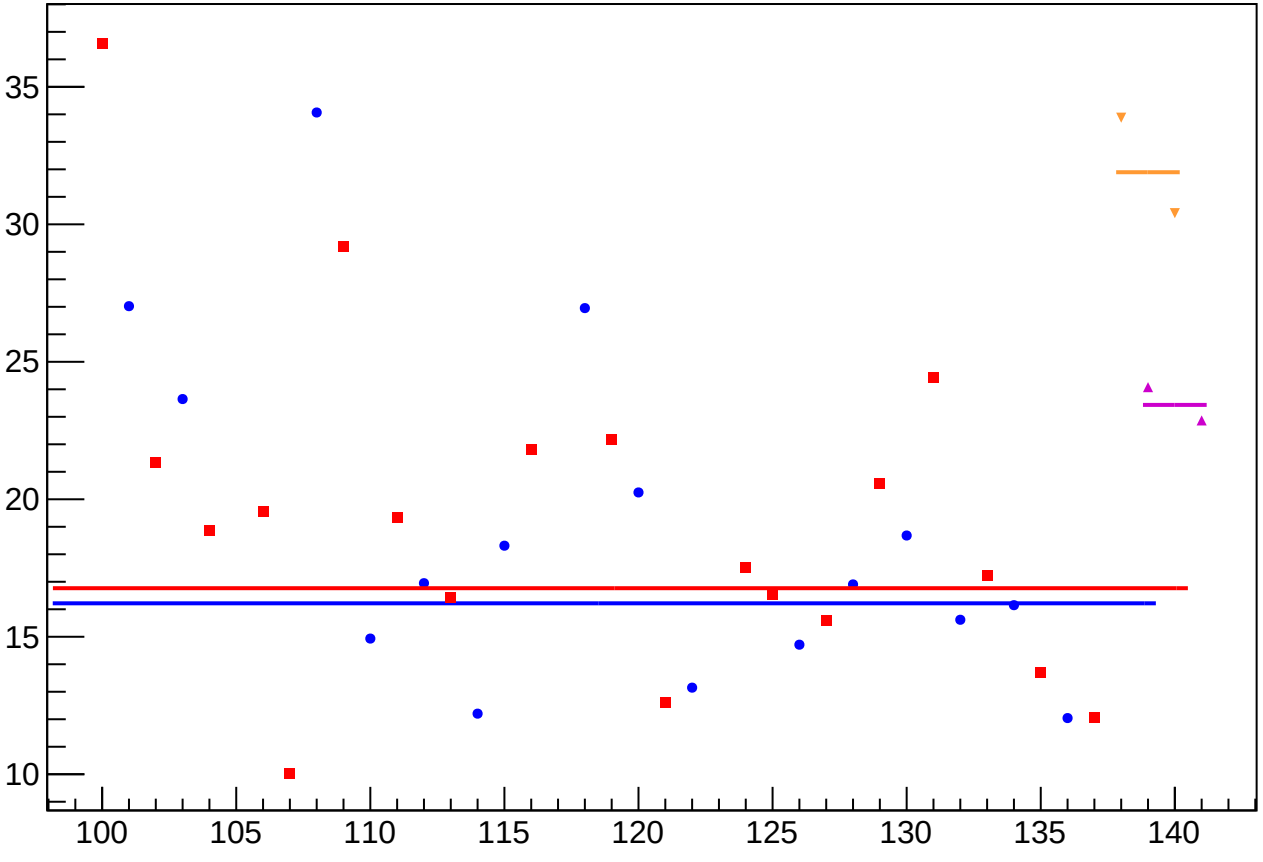
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.006 χ^2/NDF:22.3/17

Out: 0.002+/-0.006 χ^2/NDF:15.4/20

All: 0.003+/-0.004 χ^2/NDF: 37.8/38

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 31.895+/-0.018 χ^2/NDF:8958.3/1

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 23.433+/-0.013 χ^2/NDF:2199.4/1

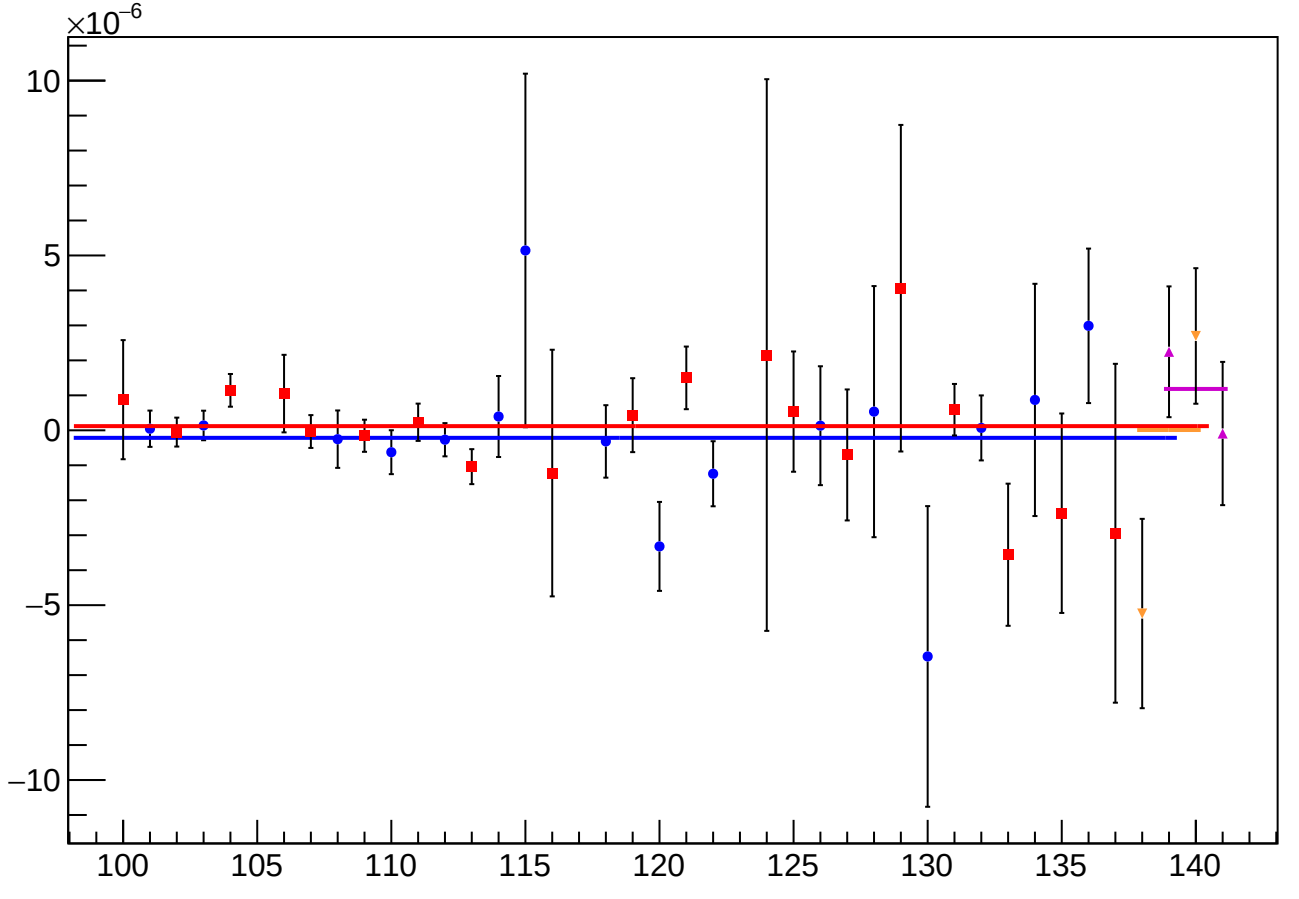
Left: 26.262+/-0.010 χ^2/NDF: 155752.7/3

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.047+/-0.004 χ^2/NDF:1224258.0/17

Out: 17.711+/-0.005 χ^2/NDF:1526637.0/20

All: 17.366+/-0.003 χ^2/NDF: 2761996.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

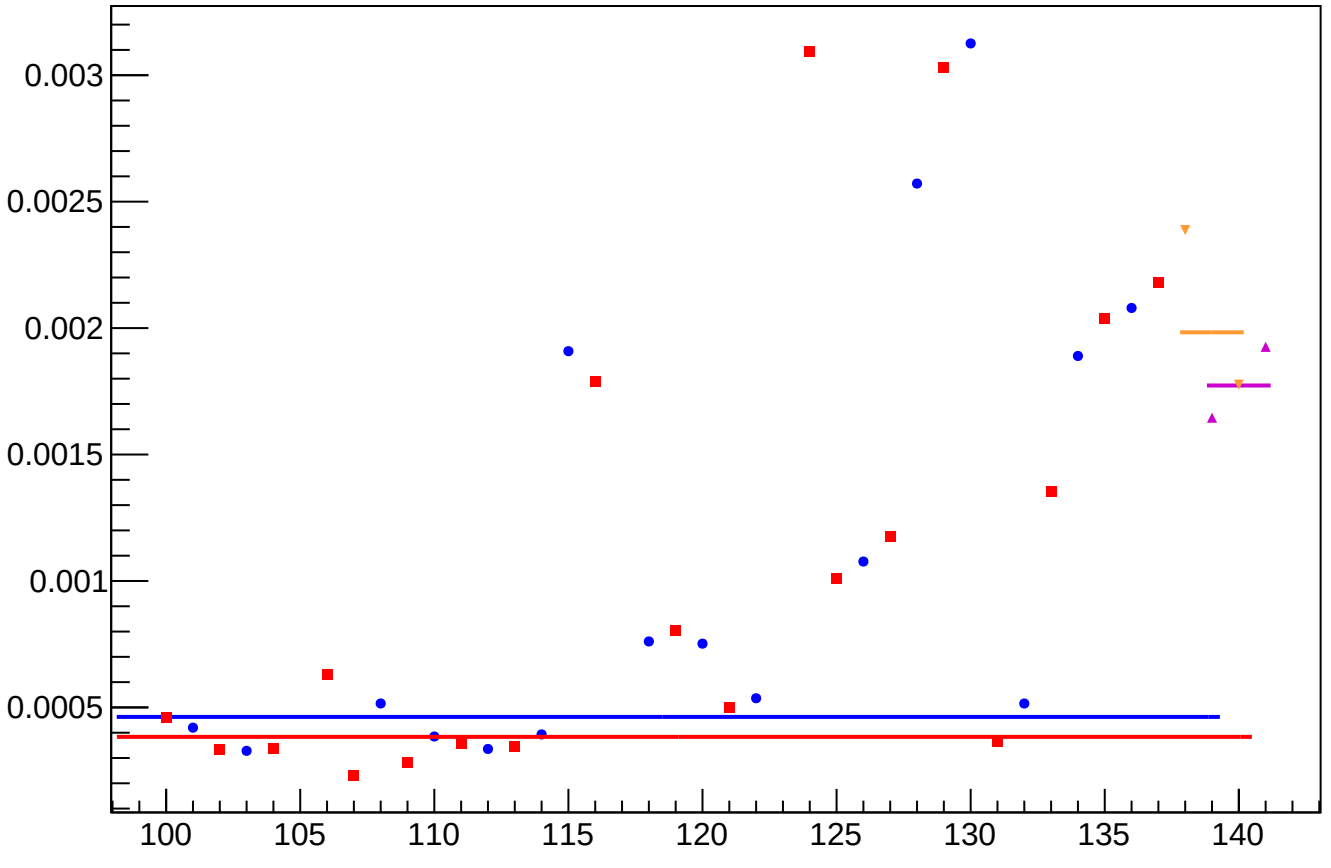
Left: 0.000+/-0.000 χ^2/NDF: 6.7/3

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:16.2/17

Out: 0.000+/-0.000 χ^2/NDF:25.9/20

All: -0.000+/-0.000 χ^2/NDF: 43.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:67410.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.002+/-0.000 χ^2/NDF:20430.3/1

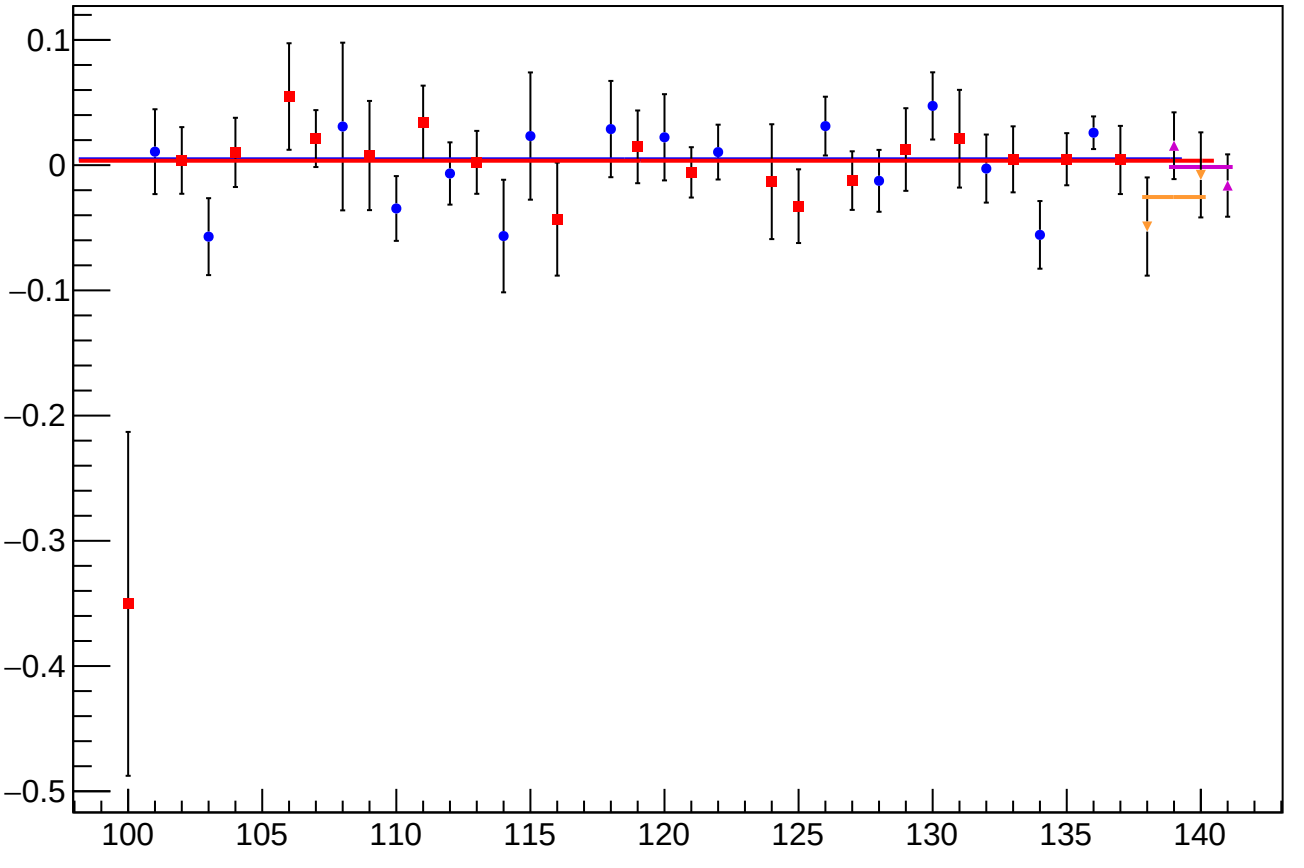
Left: 0.002+/-0.000 χ^2/NDF: 107977.8/3

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.000+/-0.000 χ^2/NDF:5797540.0/17

Out: 0.000+/-0.000 χ^2/NDF:6161898.4/20

All: 0.000+/-0.000 χ^2/NDF: 12179982.0/38



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.025+/-0.026 χ^2/NDF:0.6/1

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.001+/-0.018 χ^2/NDF:0.8/1

Left: -0.009+/-0.015 χ^2/NDF: 2.0/3

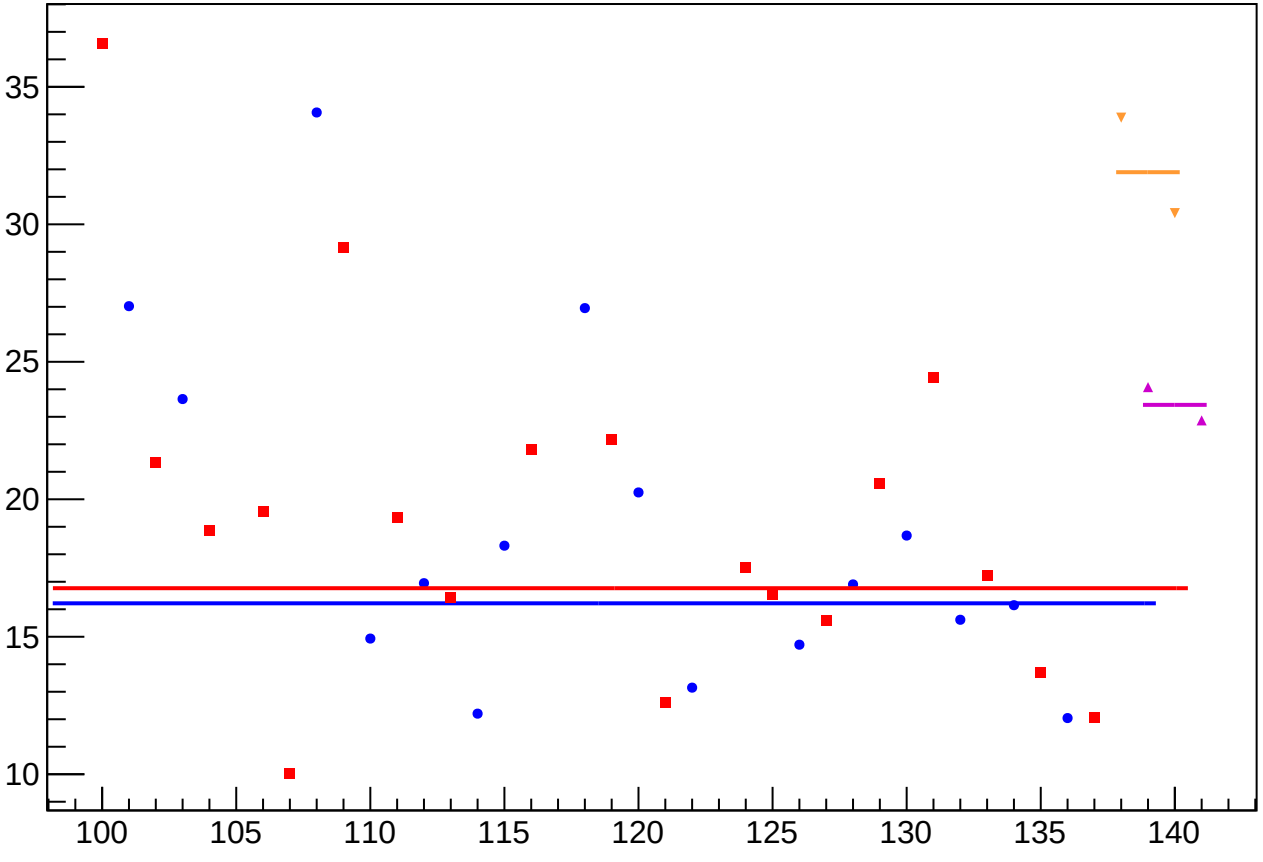
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.006 χ^2/NDF:22.3/17

Out: 0.002+/-0.006 χ^2/NDF:15.4/20

All: 0.003+/-0.004 χ^2/NDF: 37.8/38

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 31.896+/-0.018 χ^2/NDF:8958.1/1

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 23.434+/-0.013 χ^2/NDF:2198.8/1

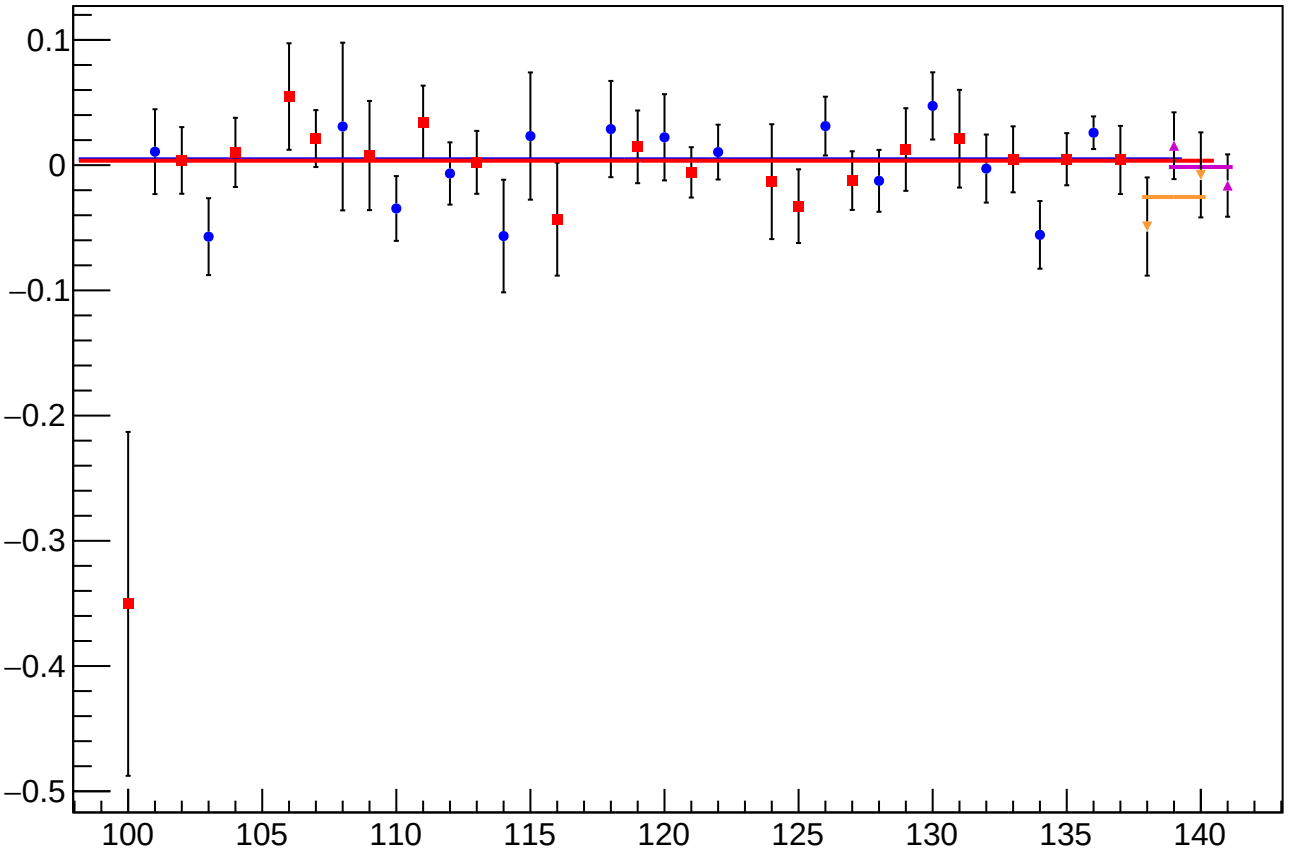
Left: 26.264+/-0.010 χ^2/NDF: 155742.0/3

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.047+/-0.004 χ^2/NDF:1224299.3/17

Out: 17.711+/-0.005 χ^2/NDF:1526702.5/20

All: 17.366+/-0.003 χ^2/NDF: 2762100.1/38



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.025+/-0.026 χ^2/NDF:0.6/1

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.001+/-0.018 χ^2/NDF:0.8/1

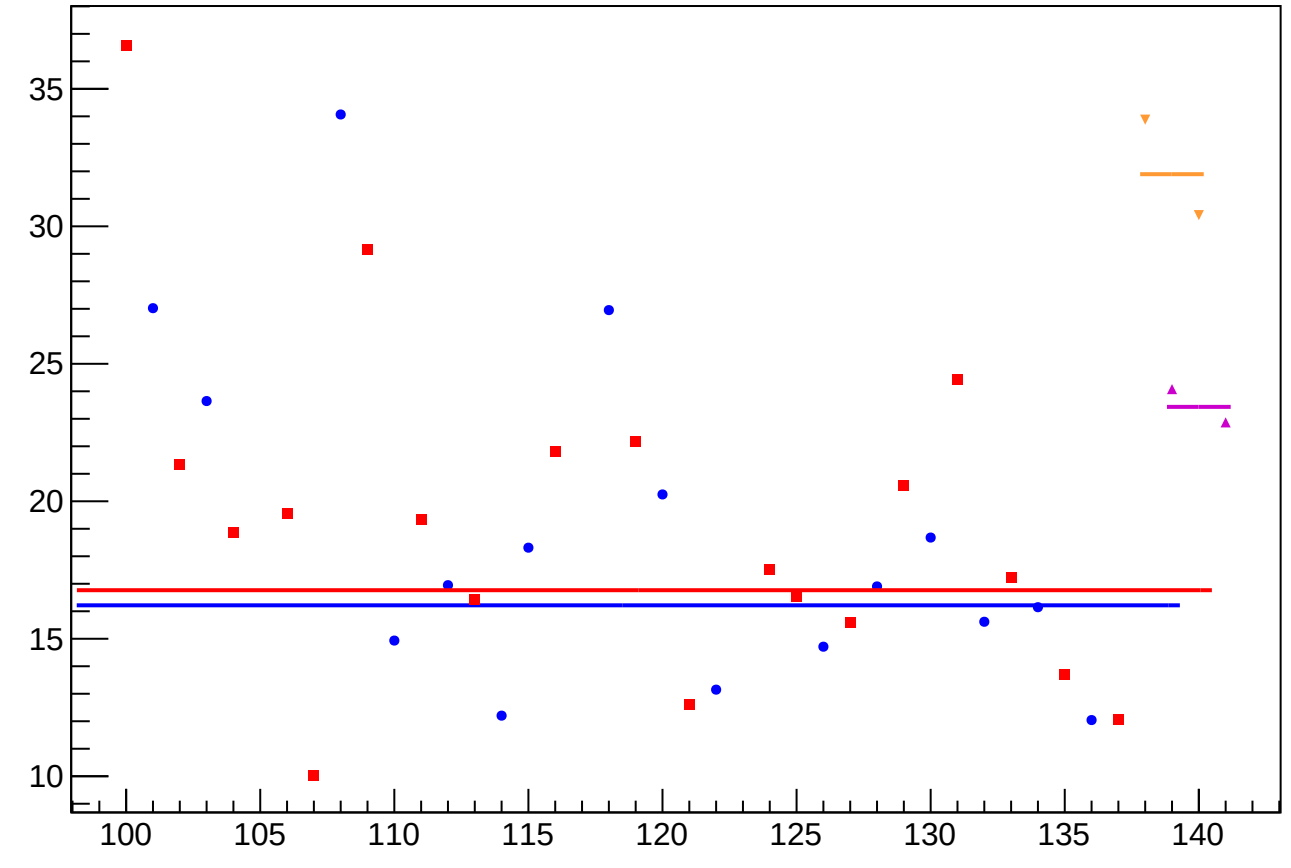
Left: -0.009+/-0.015 χ^2/NDF: 2.0/3

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.006 χ^2/NDF:22.3/17

Out: 0.002+/-0.006 χ^2/NDF:15.4/20

All: 0.003+/-0.004 χ^2/NDF: 37.8/38



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 31.896+/-0.018 χ^2/NDF:8958.1/1

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 23.434+/-0.013 χ^2/NDF:2198.8/1

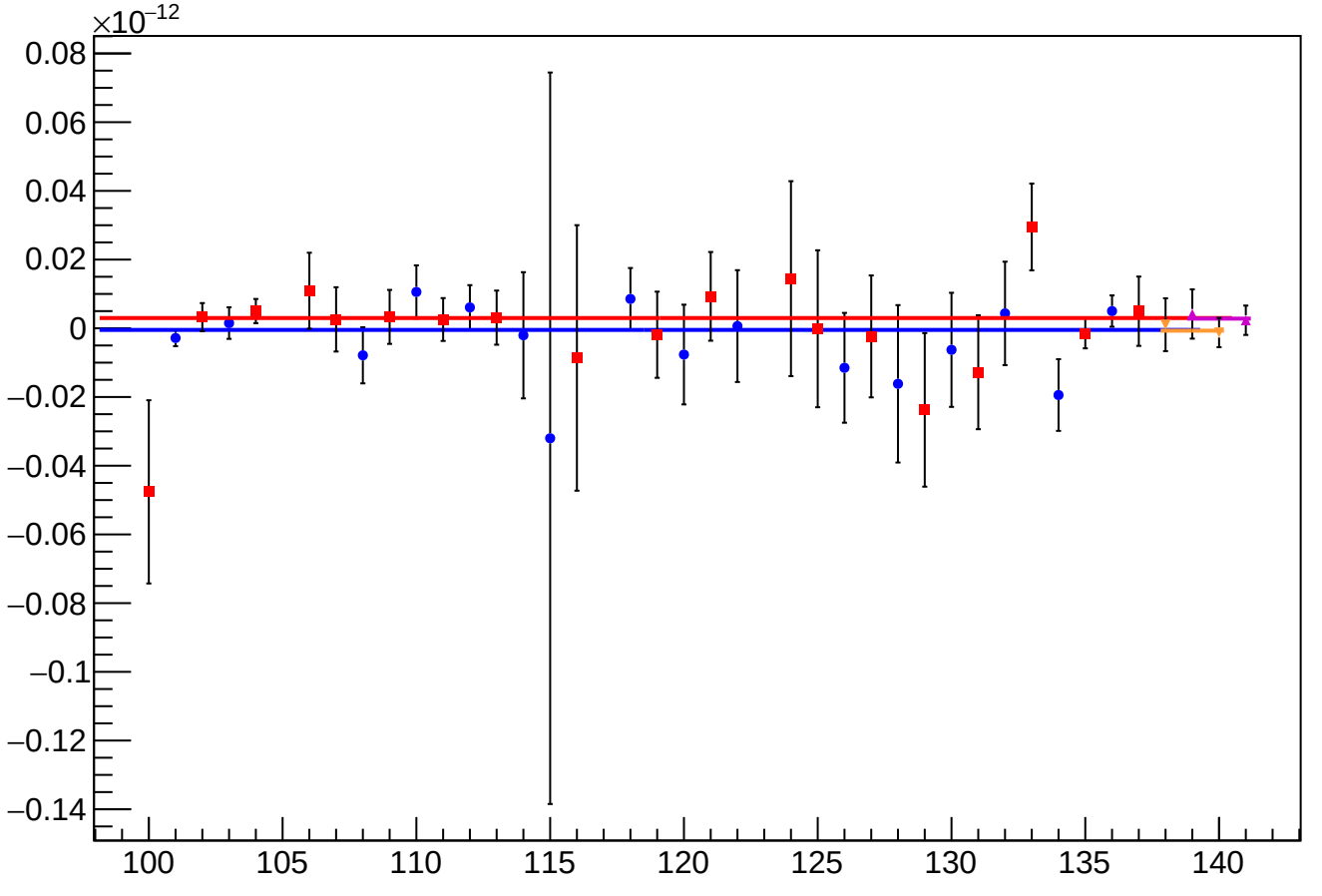
Left: 26.264+/-0.010 χ^2/NDF: 155742.0/3

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.047+/-0.004 χ^2/NDF:1224299.3/17

Out: 17.711+/-0.005 χ^2/NDF:1526702.5/20

All: 17.366+/-0.003 χ^2/NDF: 2762100.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

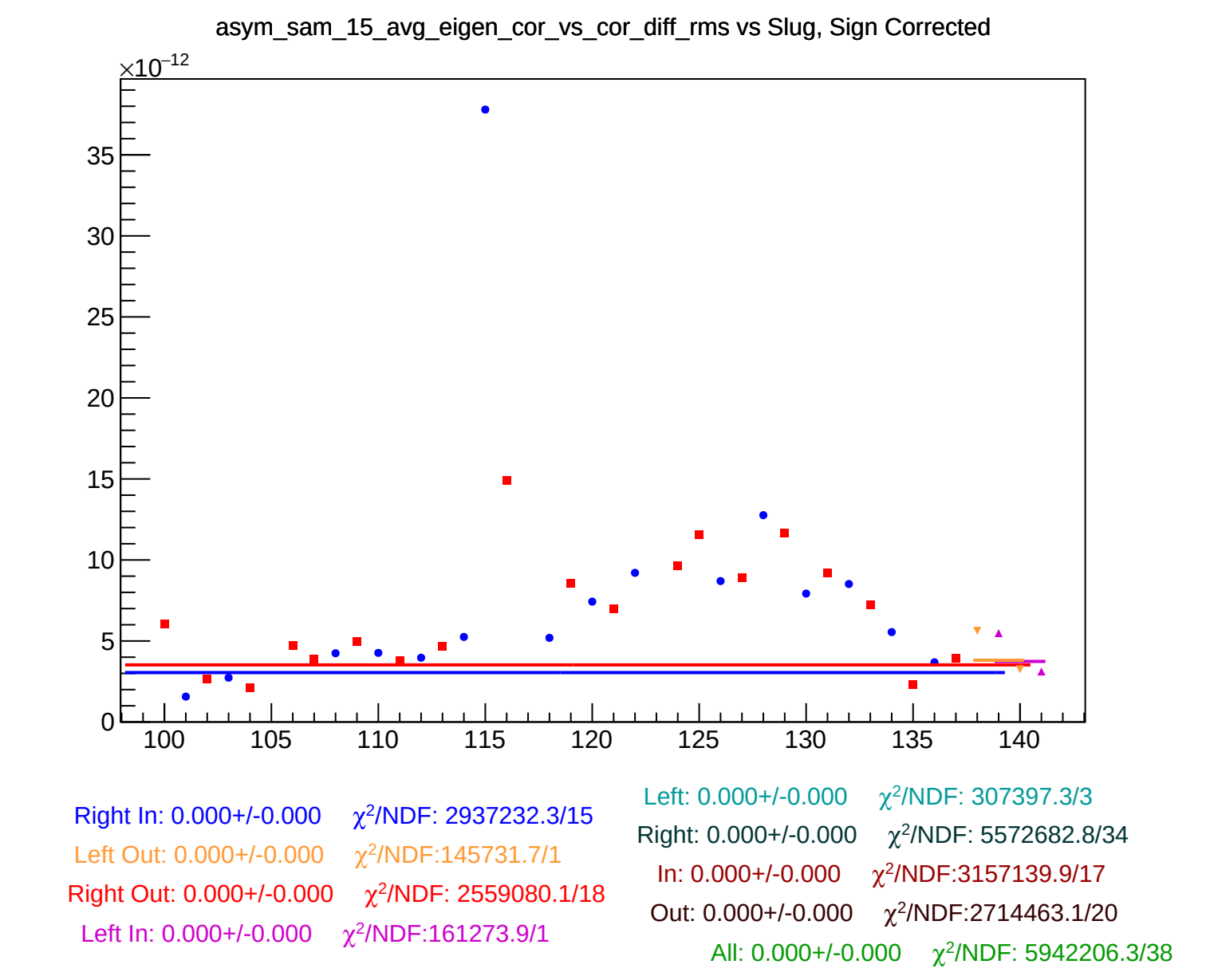
Left: 0.000+/-0.000 χ^2/NDF: 0.6/3

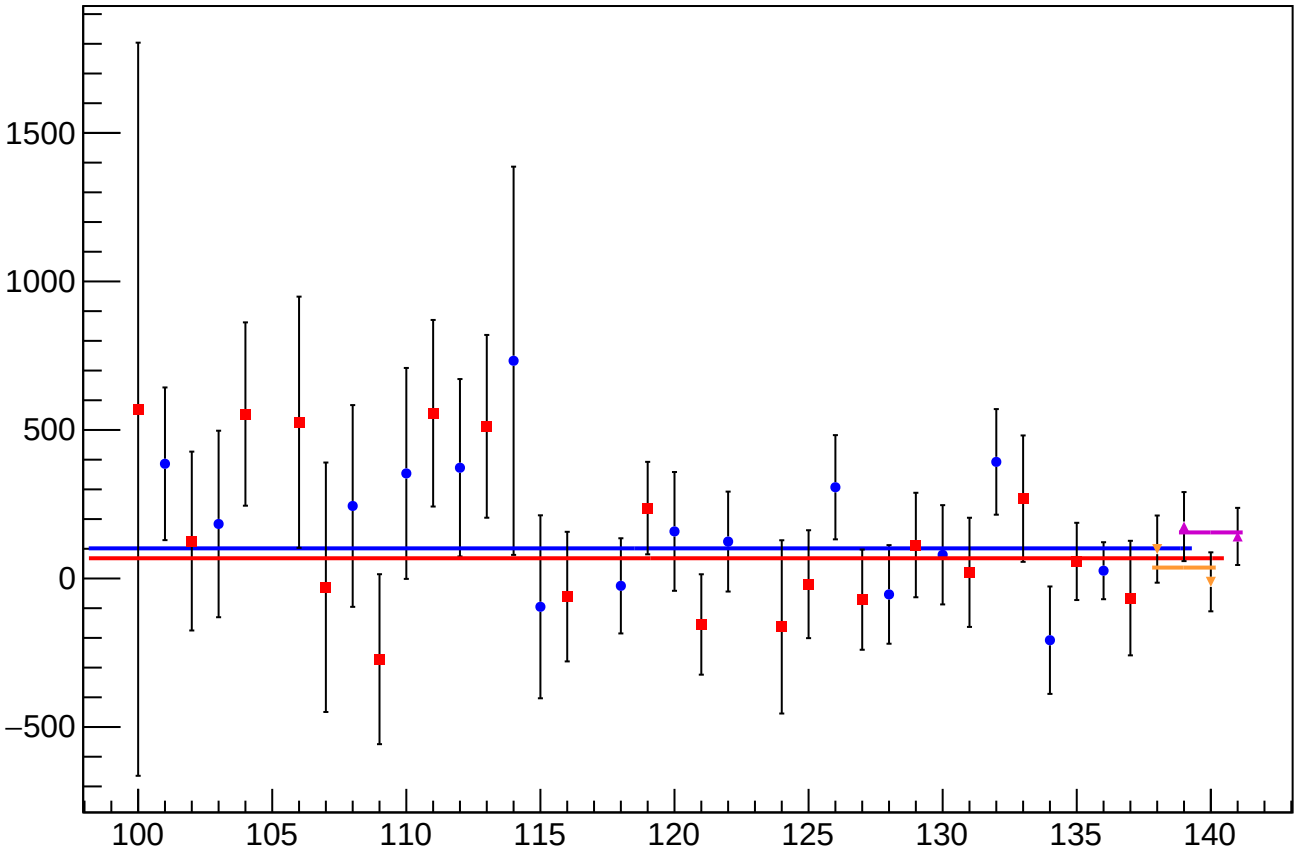
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:13.0/17

Out: 0.000+/-0.000 χ^2/NDF:13.9/20

All: 0.000+/-0.000 χ^2/NDF: 27.9/38


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:145731.7/1
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:161273.9/1
Left: 0.000+/-0.000 χ²/NDF: 307397.3/3
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:3157139.9/17
Out: 0.000+/-0.000 χ²/NDF:2714463.1/20
All: 0.000+/-0.000 χ²/NDF: 5942206.3/38



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 36.739+/-74.612 χ^2/NDF:0.5/1

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 155.069+/-74.081 χ^2/NDF:0.0/1

Left: 96.327+/-52.570 χ^2/NDF: 1.9/3

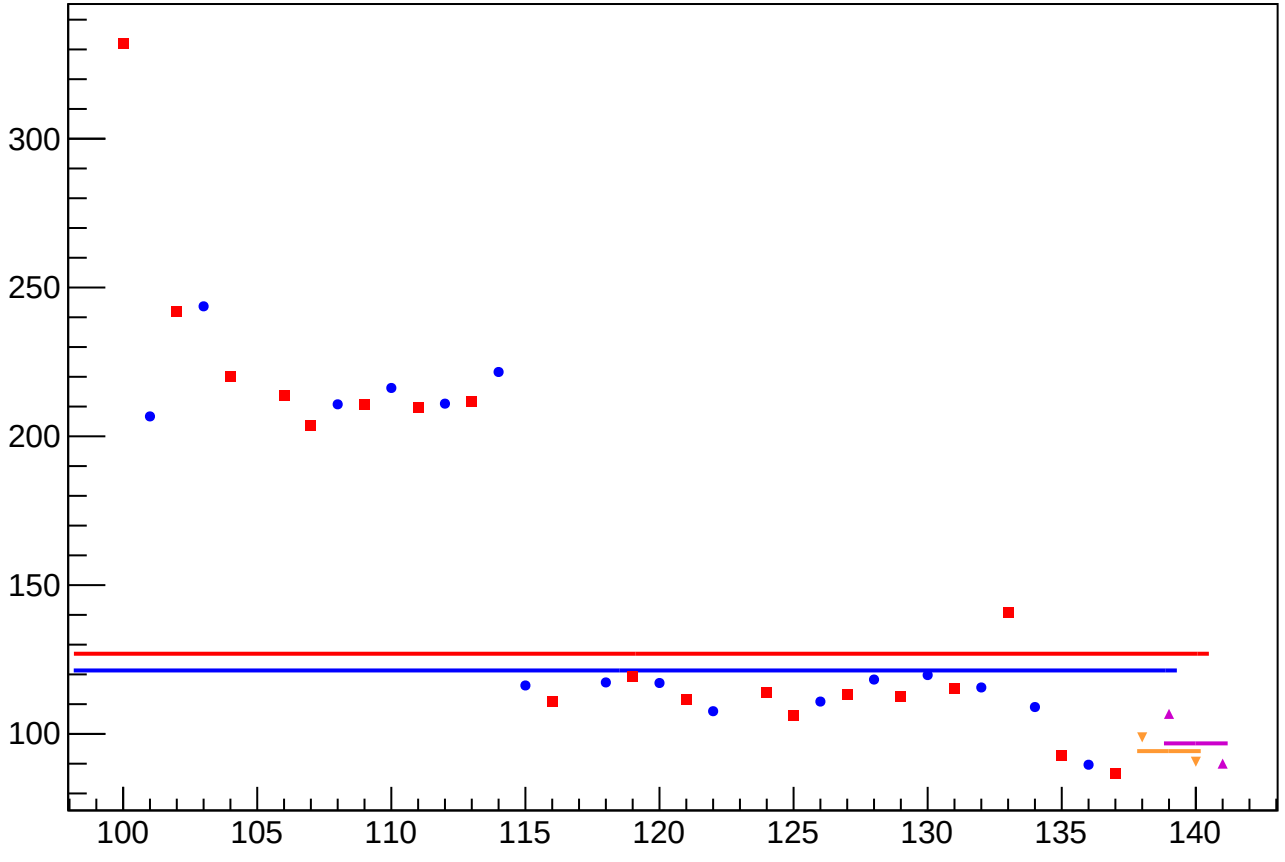
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 117.139+/-40.064 χ^2/NDF:13.8/17

Out: 58.567+/-41.148 χ^2/NDF:16.8/20

All: 88.635+/-28.705 χ^2/NDF: 31.6/38

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 94.222+/-0.053 χ^2/NDF:5913.6/1

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 96.820+/-0.052 χ^2/NDF:24583.8/1

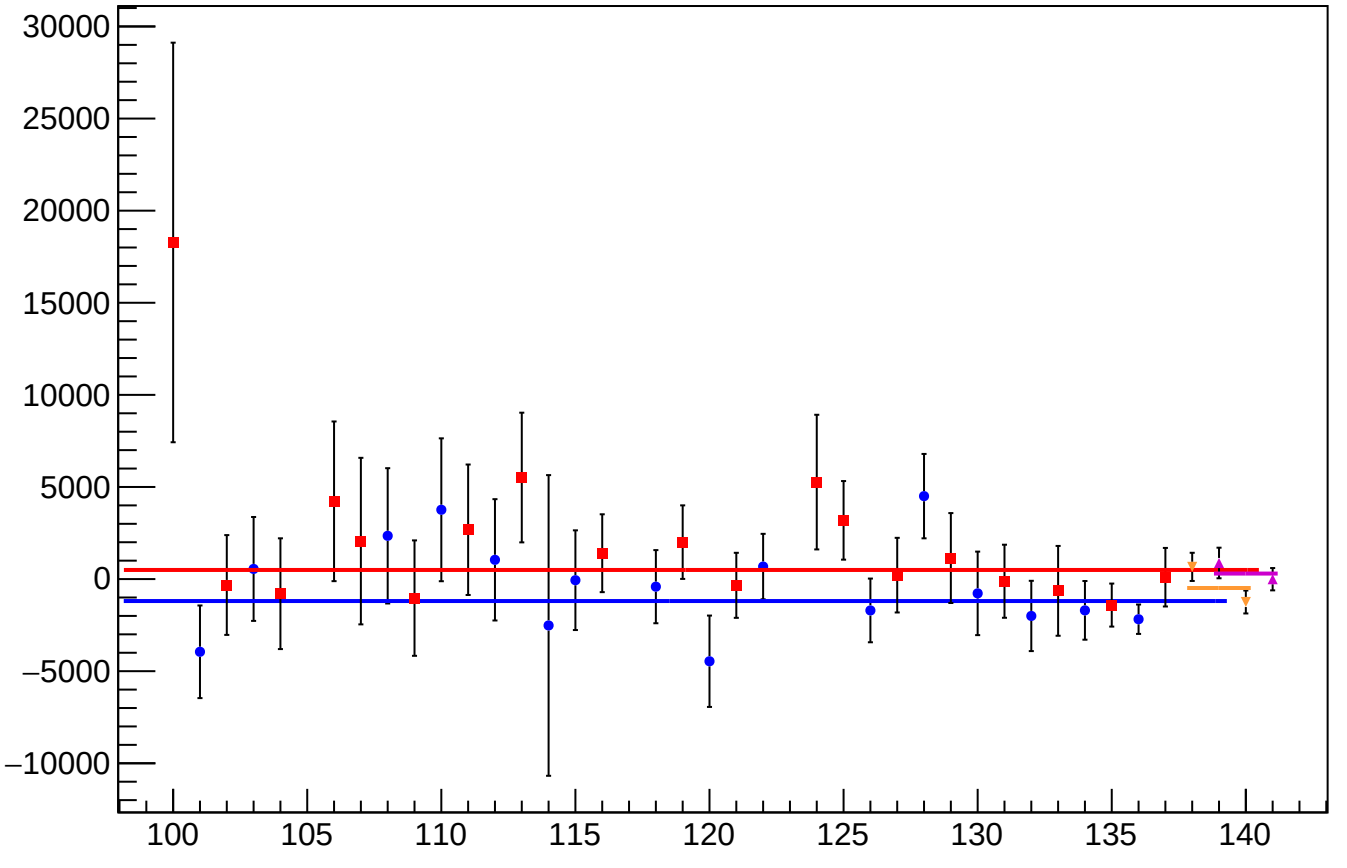
Left: 95.531+/-0.037 χ^2/NDF: 31718.3/3

Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 114.158+/-0.028 χ^2/NDF:1466072.1/17

Out: 116.993+/-0.029 χ^2/NDF:1745187.9/20

All: 115.537+/-0.020 χ^2/NDF: 3216131.6/38



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -484.333+/-482.747 χ^2/NDF:3.7/1

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 298.916+/-489.282 χ^2/NDF:0.7/1

Left: -97.973+/-343.641 χ^2/NDF: 5.8/3

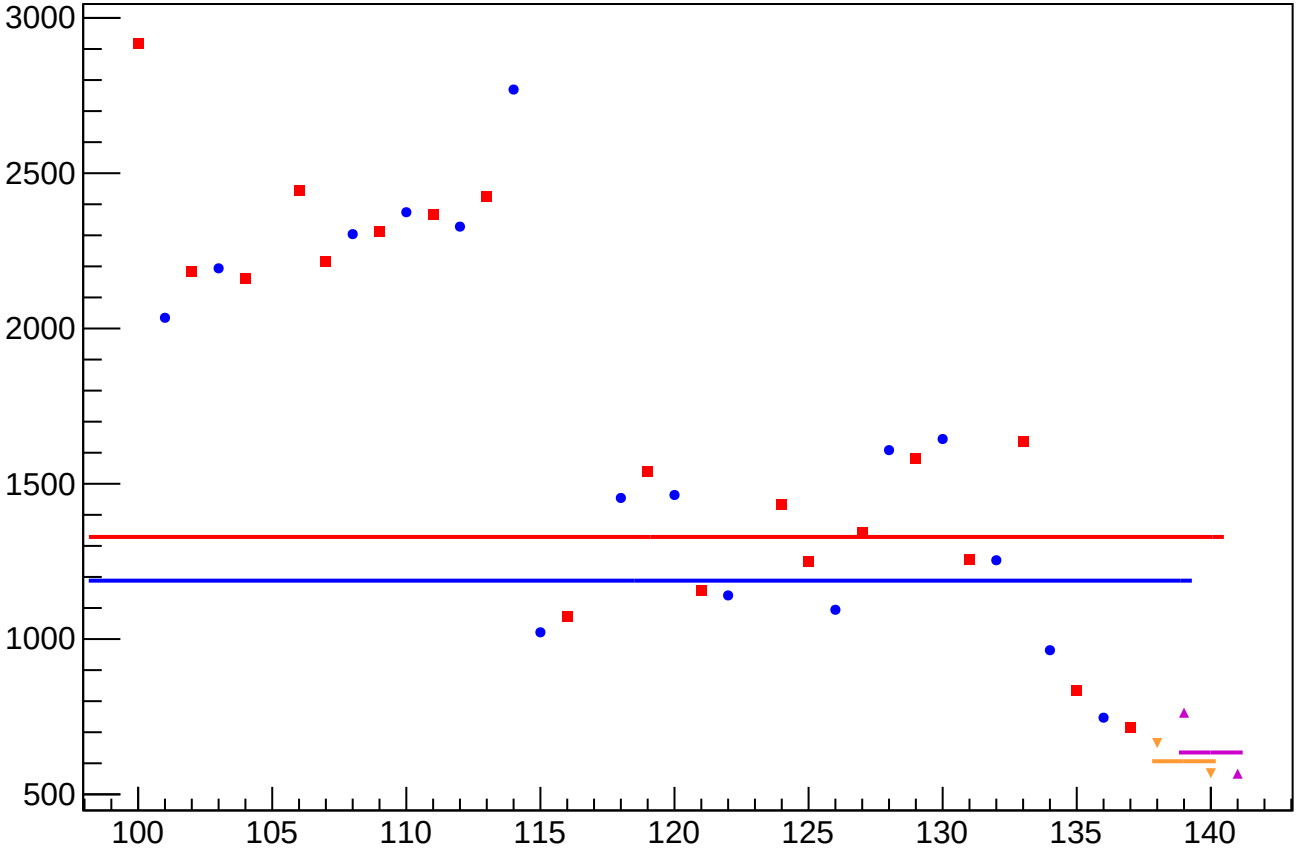
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -462.600+/-342.248 χ^2/NDF:21.4/17

Out: -32.812+/-354.343 χ^2/NDF:19.5/20

All: -255.167+/-246.171 χ^2/NDF: 41.7/38

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 606.606+/-0.341 χ^2/NDF:19420.5/1

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 634.812+/-0.346 χ^2/NDF:73043.4/1

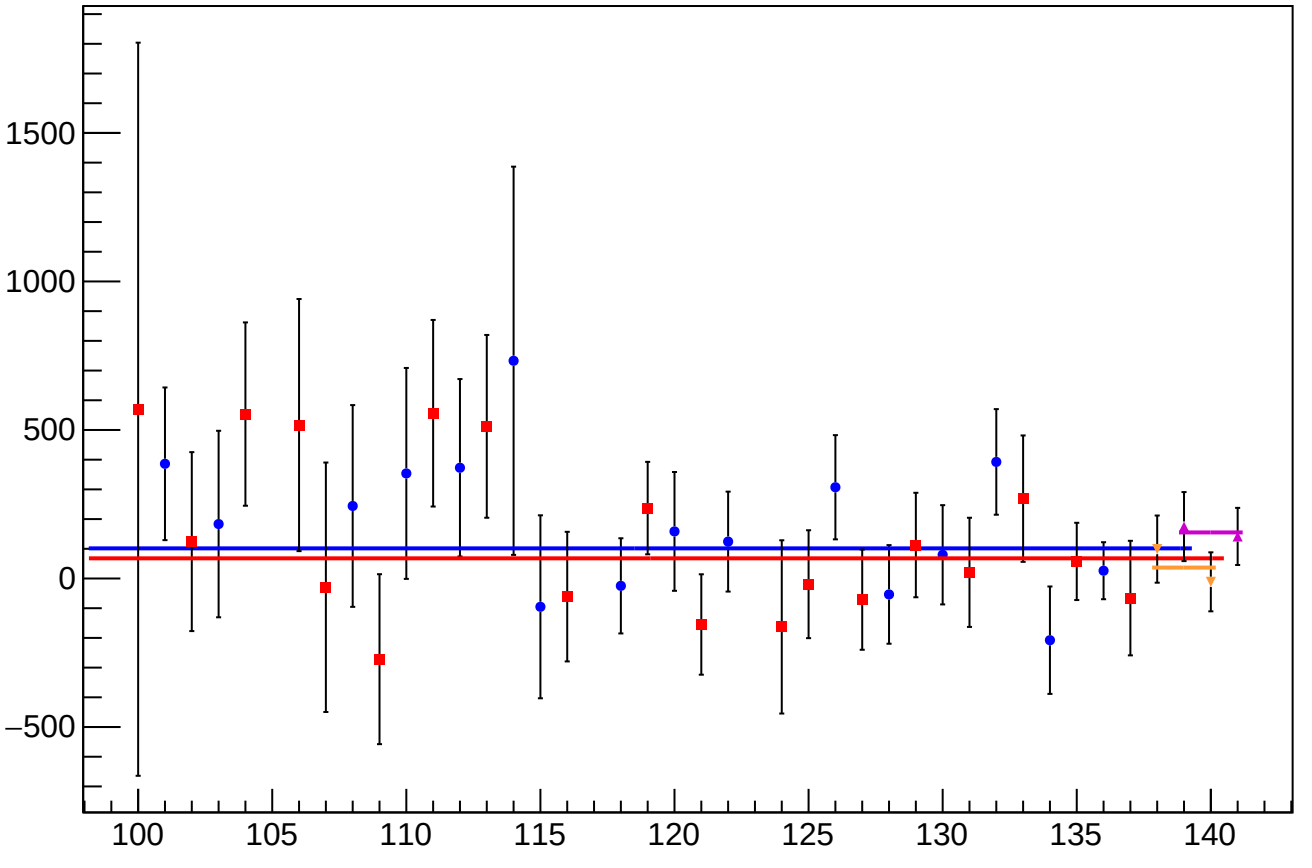
Left: 620.519+/-0.243 χ^2/NDF: 95831.8/3

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 917.368+/-0.242 χ^2/NDF:3423681.6/17

Out: 939.708+/-0.251 χ^2/NDF:4041753.3/20

All: 928.150+/-0.174 χ^2/NDF: 7469547.6/38



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 36.743+/-74.612 χ^2/NDF:0.5/1

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 155.079+/-74.081 χ^2/NDF:0.0/1

Left: 96.334+/-52.570 χ^2/NDF: 1.9/3

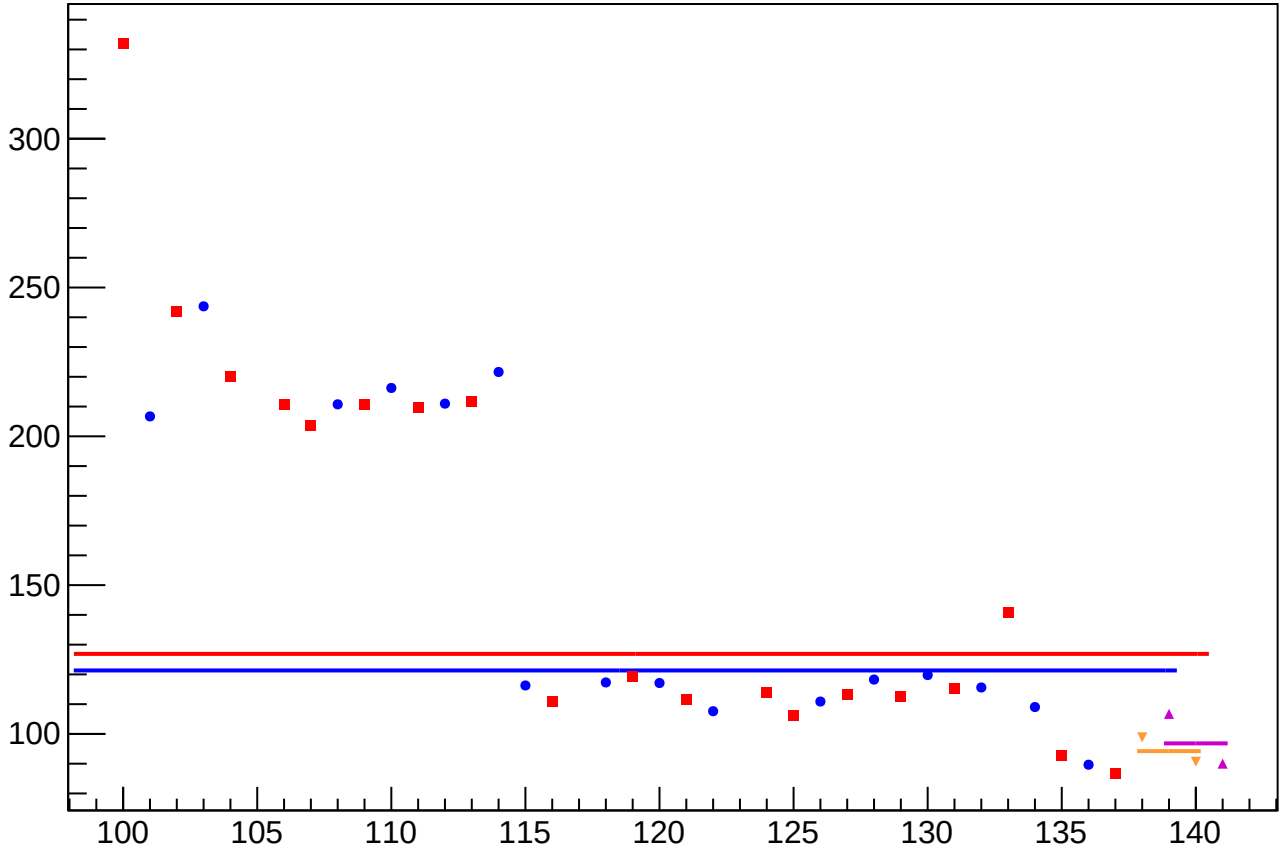
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 117.133+/-40.064 χ^2/NDF:13.8/17

Out: 58.410+/-41.150 χ^2/NDF:16.7/20

All: 88.556+/-28.706 χ^2/NDF: 31.5/38

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 94.222+/-0.053 χ^2/NDF:5913.6/1

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 96.820+/-0.052 χ^2/NDF:24583.8/1

Left: 95.531+/-0.037 χ^2/NDF: 31718.3/3

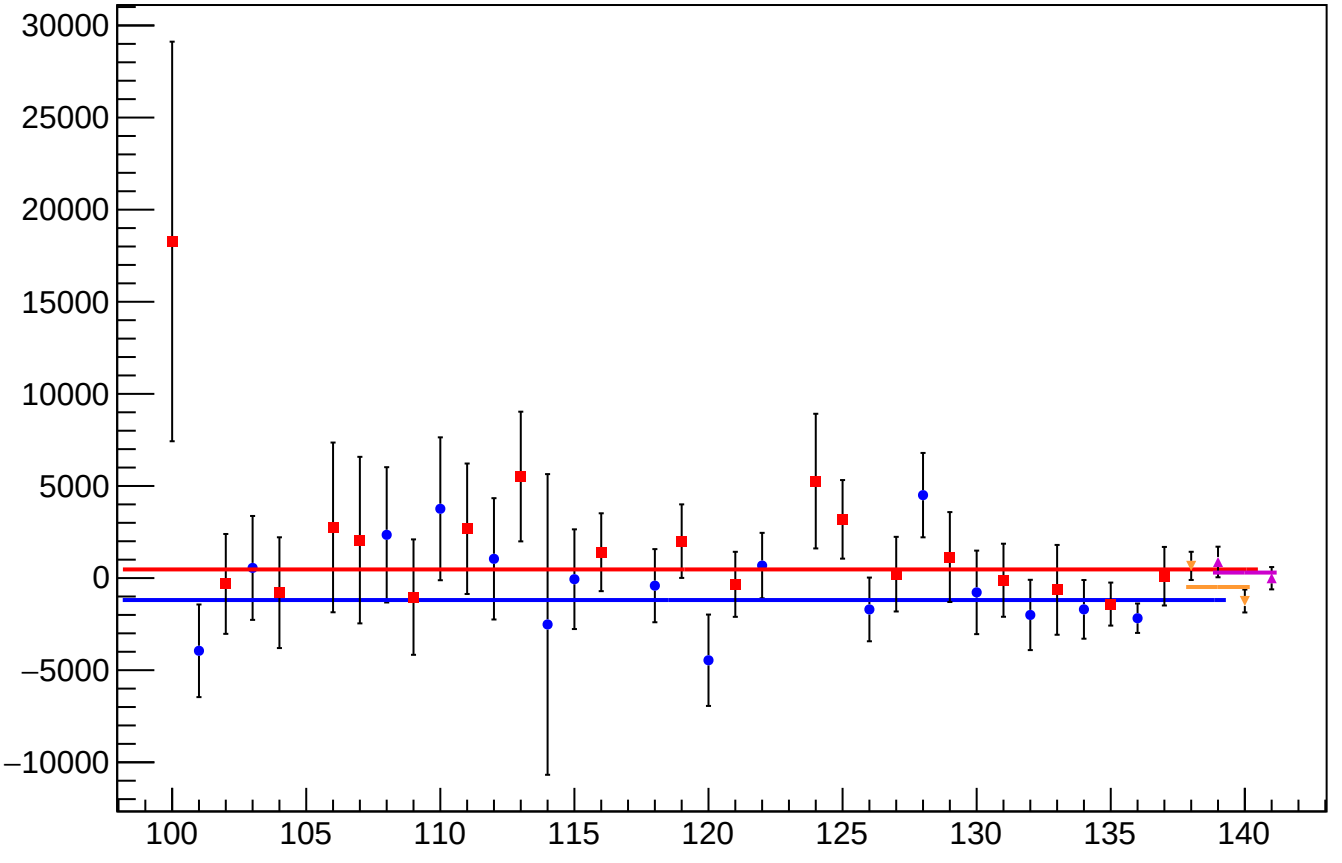
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 114.158+/-0.028 χ^2/NDF:1466074.5/17

Out: 116.957+/-0.029 χ^2/NDF:1738246.7/20

All: 115.520+/-0.020 χ^2/NDF: 3209070.8/38

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -484.327+/-482.747 χ^2/NDF:3.7/1

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 298.930+/-489.282 χ^2/NDF:0.7/1

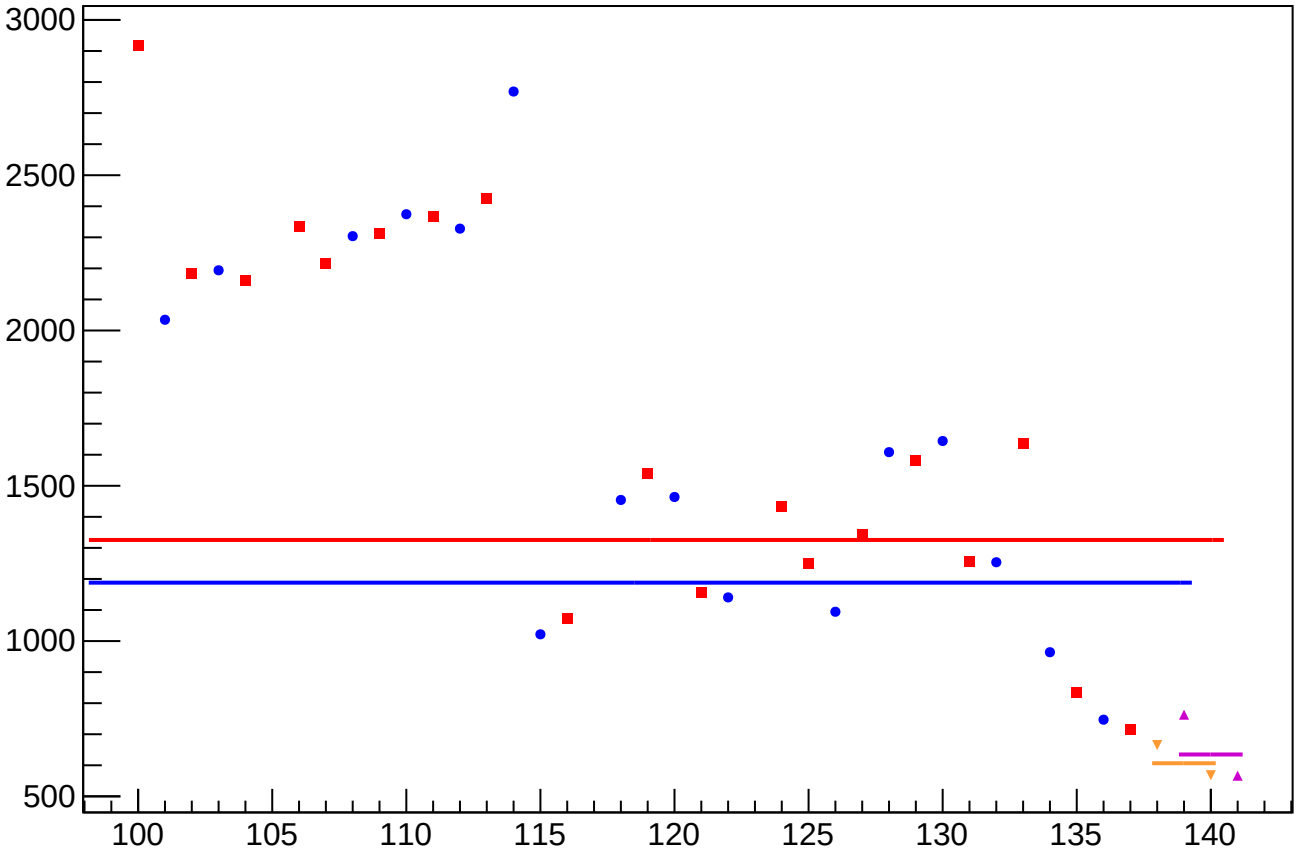
Left: -97.964+/-343.641 χ^2/NDF: 5.8/3

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -462.581+/-342.248 χ^2/NDF:21.4/17

Out: -44.696+/-354.483 χ^2/NDF:18.9/20

All: -260.974+/-246.218 χ^2/NDF: 41.0/38



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 606.605+/-0.341 χ^2/NDF:19420.7/1

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 634.812+/-0.346 χ^2/NDF:73042.9/1

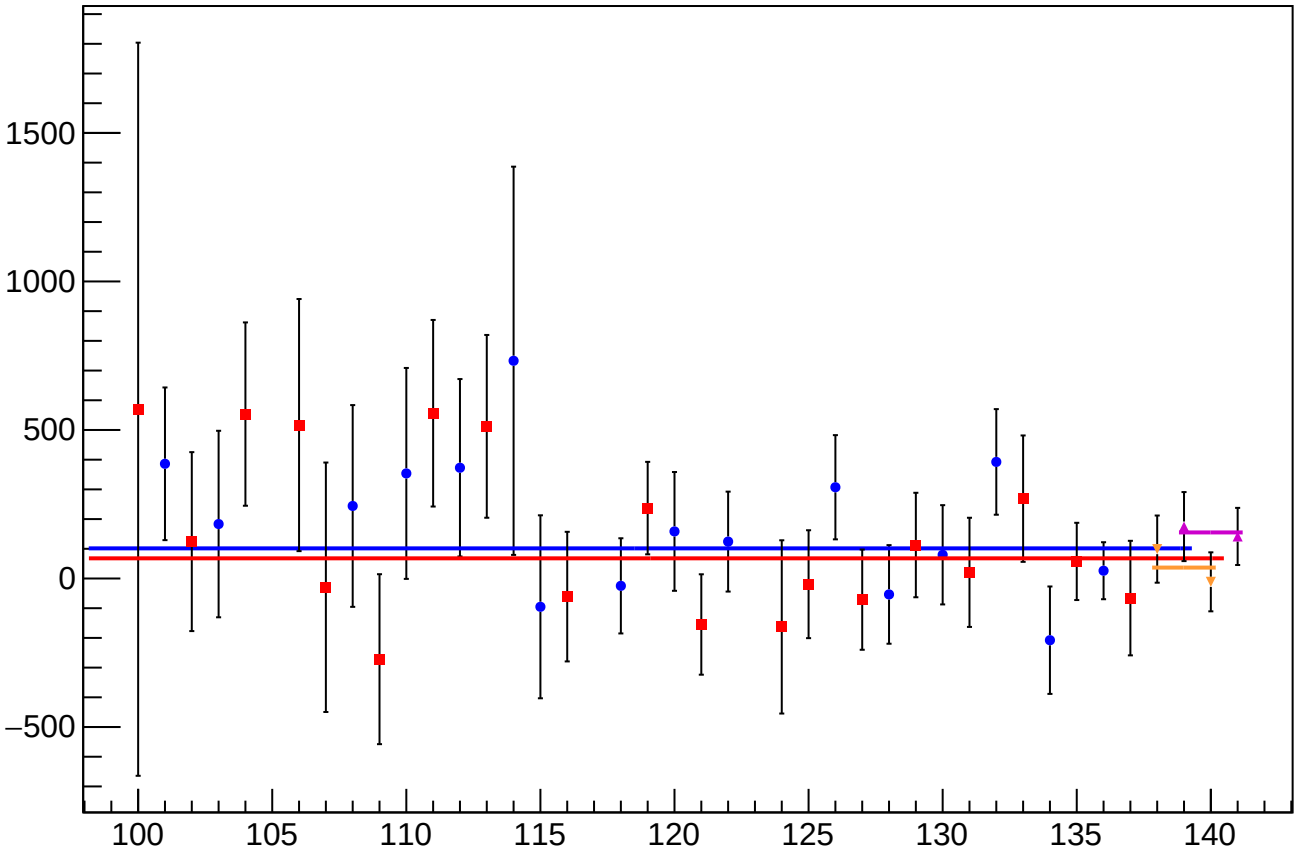
Left: 620.519+/-0.243 χ^2/NDF: 95831.7/3

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 917.368+/-0.242 χ^2/NDF:3423706.5/17

Out: 937.901+/-0.251 χ^2/NDF:3984544.3/20

All: 927.274+/-0.174 χ^2/NDF: 7411723.7/38



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 36.743+/-74.612 χ^2/NDF:0.5/1

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 155.079+/-74.081 χ^2/NDF:0.0/1

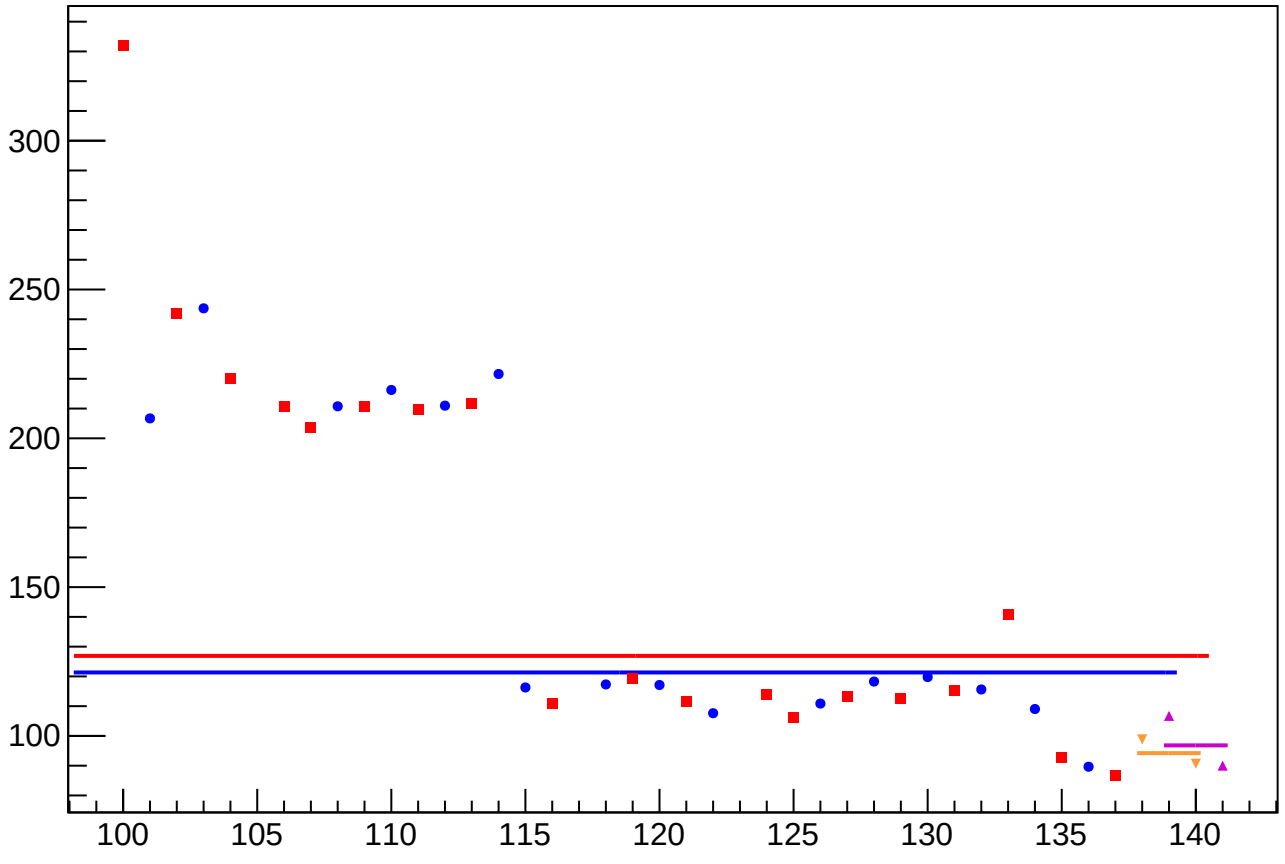
Left: 96.334+/-52.570 χ^2/NDF: 1.9/3

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 117.133+/-40.064 χ^2/NDF:13.8/17

Out: 58.410+/-41.150 χ^2/NDF:16.7/20

All: 88.556+/-28.706 χ^2/NDF: 31.5/38



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 94.222+/-0.053 χ^2/NDF:5913.6/1

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 96.820+/-0.052 χ^2/NDF:24583.8/1

Left: 95.531+/-0.037 χ^2/NDF: 31718.3/3

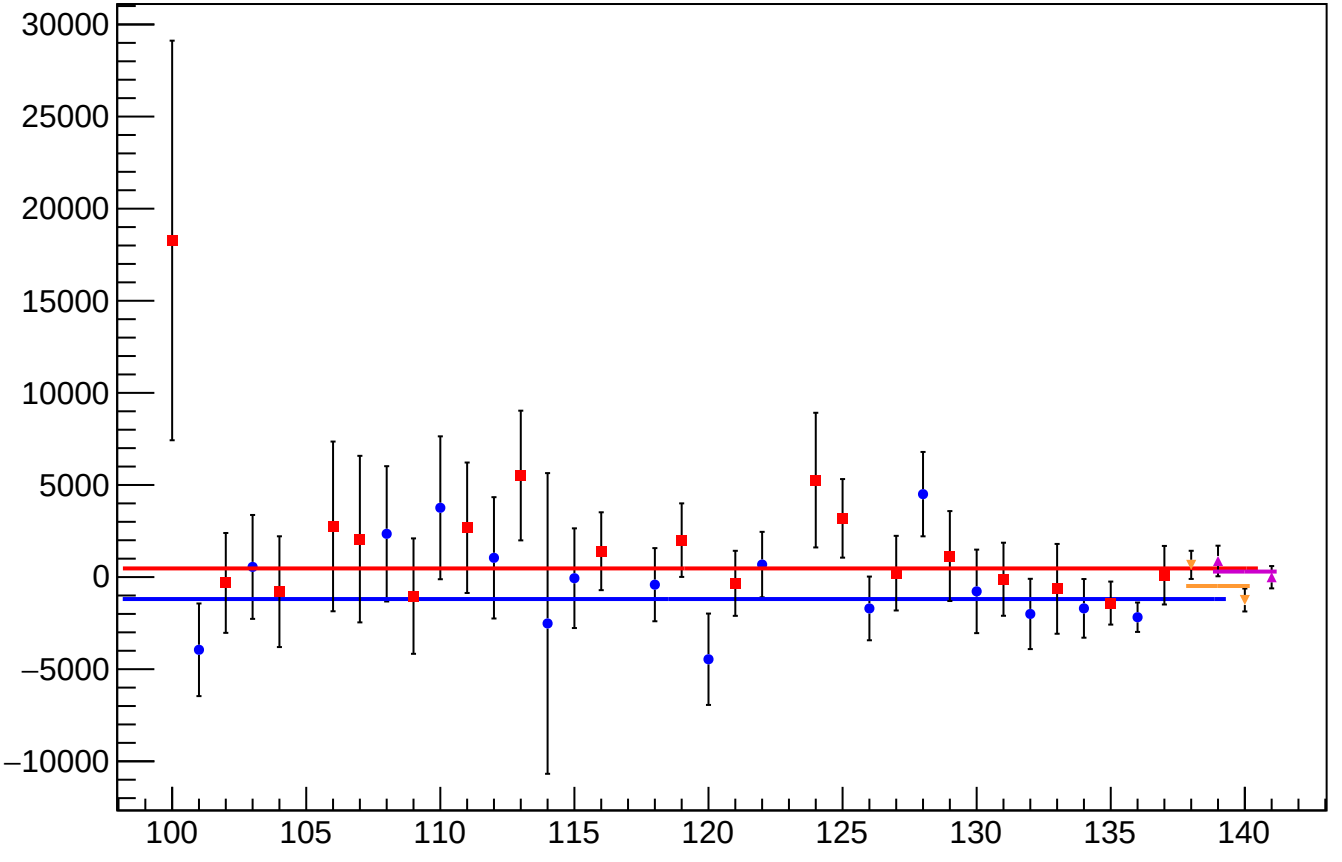
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 114.158+/-0.028 χ^2/NDF:1466074.5/17

Out: 116.957+/-0.029 χ^2/NDF:1738246.7/20

All: 115.520+/-0.020 χ^2/NDF: 3209070.8/38

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -484.327+/-482.747 χ^2/NDF:3.7/1

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 298.930+/-489.282 χ^2/NDF:0.7/1

Left: -97.964+/-343.641 χ^2/NDF: 5.8/3

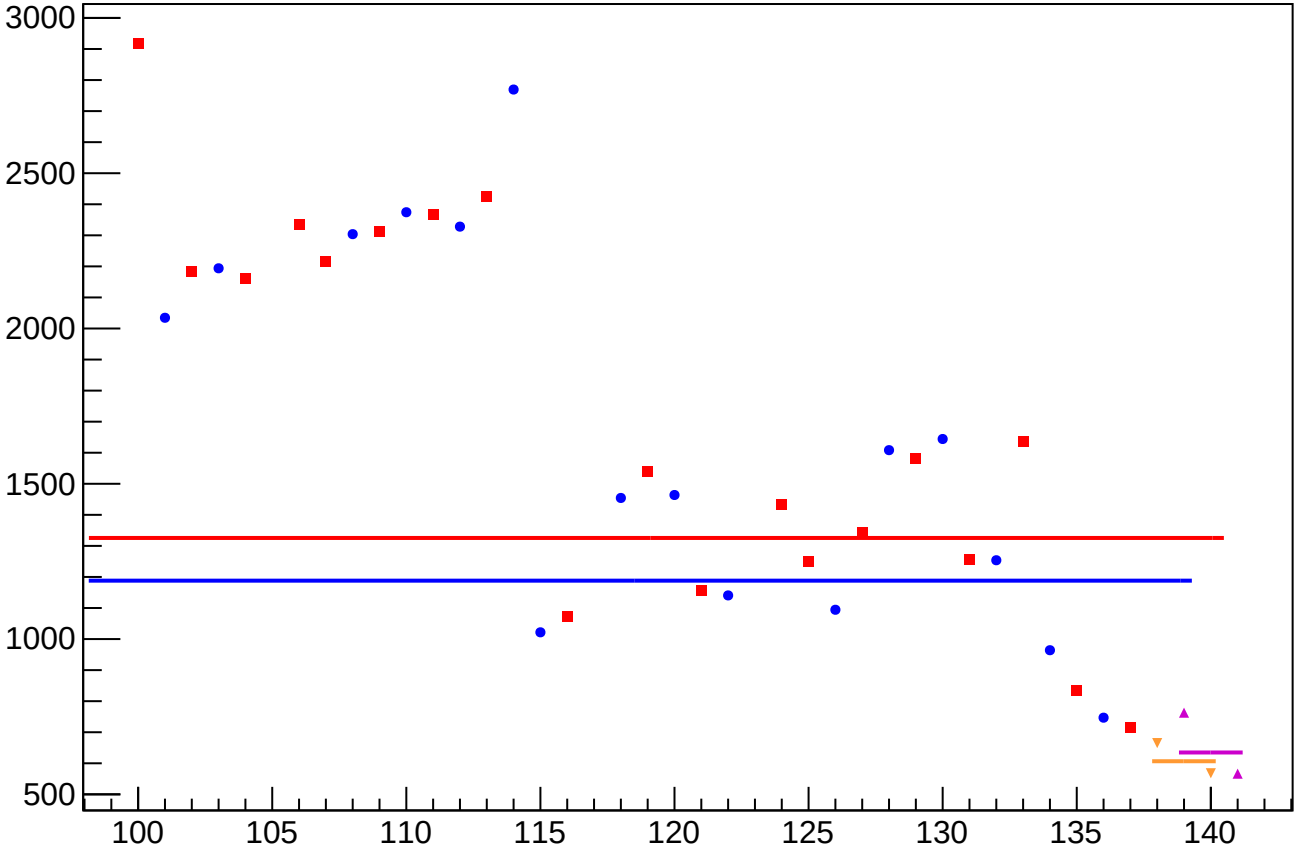
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -462.581+/-342.248 χ^2/NDF:21.4/17

Out: -44.696+/-354.483 χ^2/NDF:18.9/20

All: -260.974+/-246.218 χ^2/NDF: 41.0/38

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 606.605+/-0.341 χ^2/NDF:19420.7/1

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 634.812+/-0.346 χ^2/NDF:73042.9/1

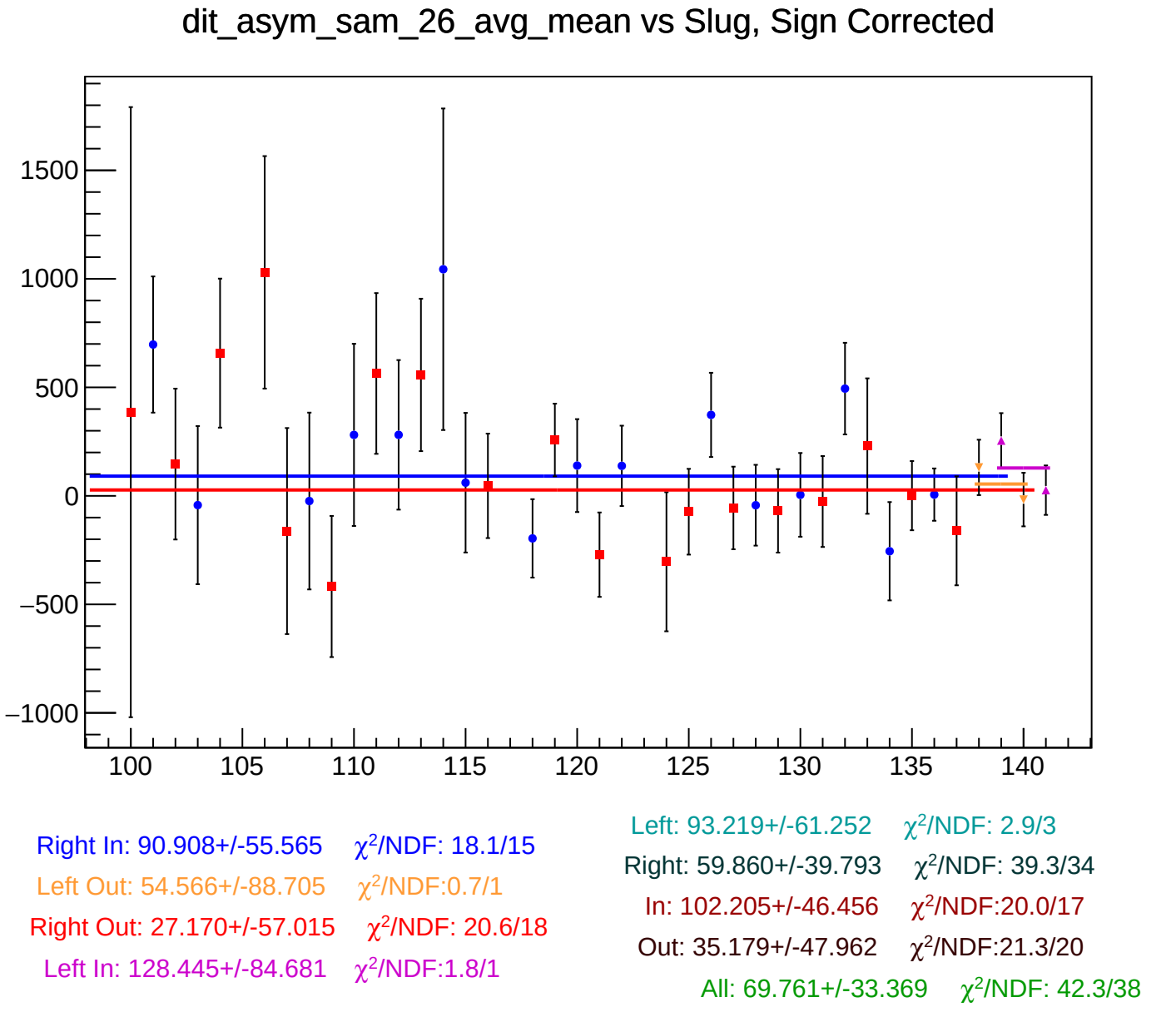
Left: 620.519+/-0.243 χ^2/NDF: 95831.7/3

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

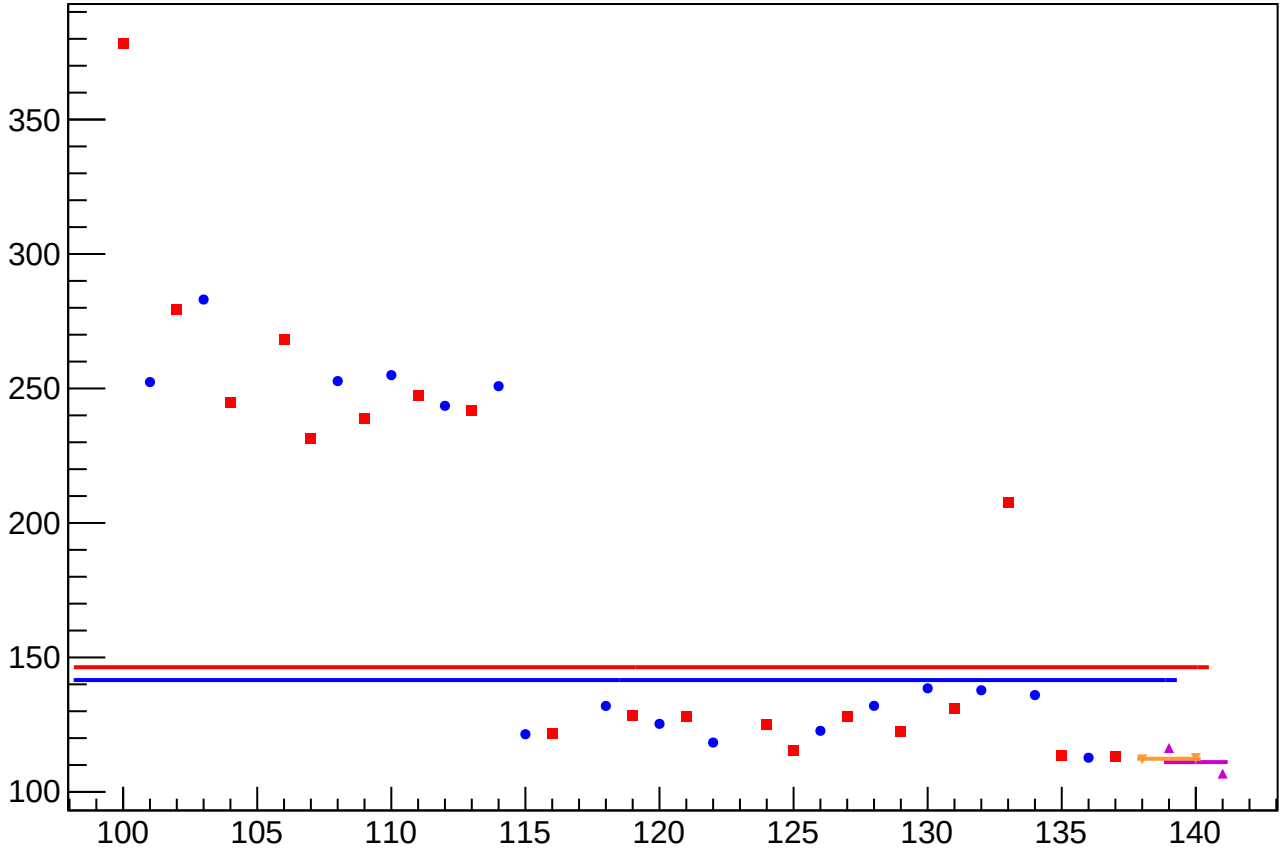
In: 917.368+/-0.242 χ^2/NDF:3423706.5/17

Out: 937.901+/-0.251 χ^2/NDF:3984544.3/20

All: 927.274+/-0.174 χ^2/NDF: 7411723.7/38


dit_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
105
110
115
120
125
130
135
140
Right In: 90.908+/-55.565 χ²/NDF: 18.1/15
Left Out: 54.566+/-88.705 χ²/NDF:0.7/1
Right Out: 27.170+/-57.015 χ²/NDF: 20.6/18
Left In: 128.445+/-84.681 χ²/NDF:1.8/1
Left: 93.219+/-61.252 χ²/NDF: 2.9/3
Right: 59.860+/-39.793 χ²/NDF: 39.3/34
In: 102.205+/-46.456 χ²/NDF:20.0/17
Out: 35.179+/-47.962 χ²/NDF:21.3/20
All: 69.761+/-33.369 χ²/NDF: 42.3/38

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 112.328+/-0.063 χ^2/NDF:17.4/1

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 111.084+/-0.060 χ^2/NDF:6273.3/1

Left: 111.677+/-0.043 χ^2/NDF: 6496.7/3

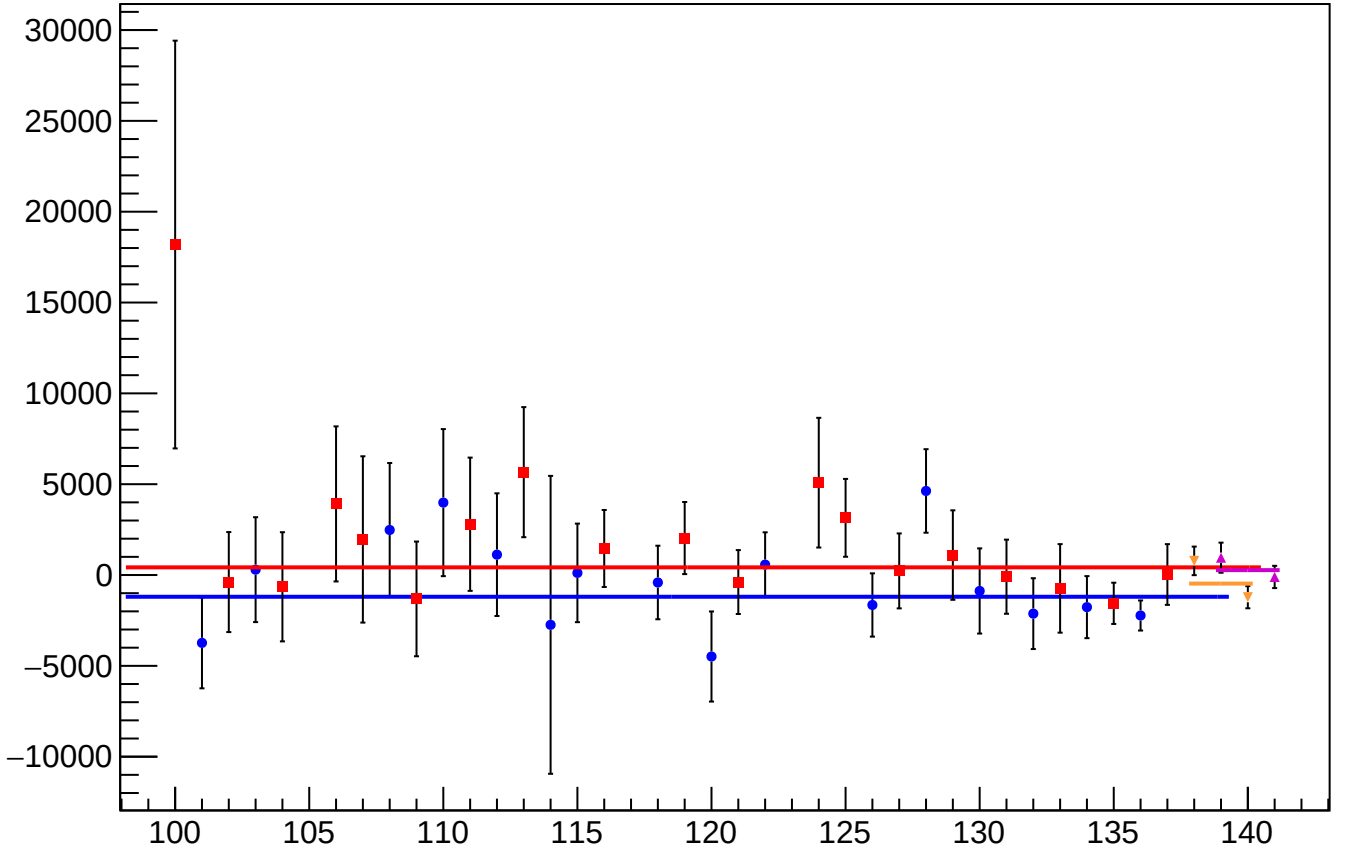
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 132.406+/-0.033 χ^2/NDF:1450035.7/17

Out: 136.417+/-0.034 χ^2/NDF:1722091.6/20

All: 134.347+/-0.024 χ^2/NDF: 3179343.6/38

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -471.594+/-481.479 χ^2/NDF:4.0/1

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: 269.417+/-492.754 χ^2/NDF:1.1/1

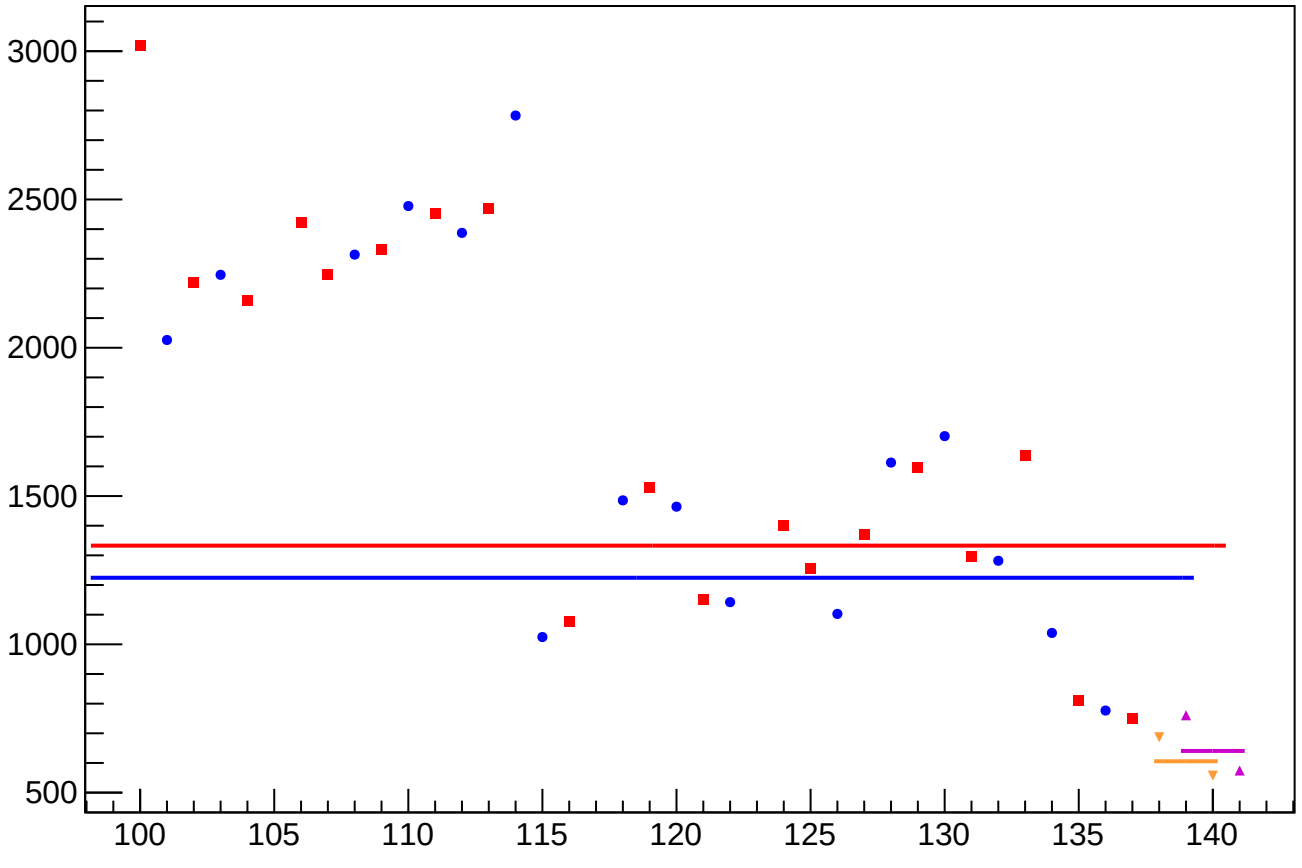
Left: -109.664+/-344.374 χ^2/NDF: 6.3/3

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -465.665+/-347.944 χ^2/NDF:21.5/17

Out: -62.305+/-354.486 χ^2/NDF:19.9/20

All: -267.741+/-248.314 χ^2/NDF: 42.0/38



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 605.702+/-0.340 χ^2/NDF:33870.4/1

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 640.555+/-0.348 χ^2/NDF:65340.8/1

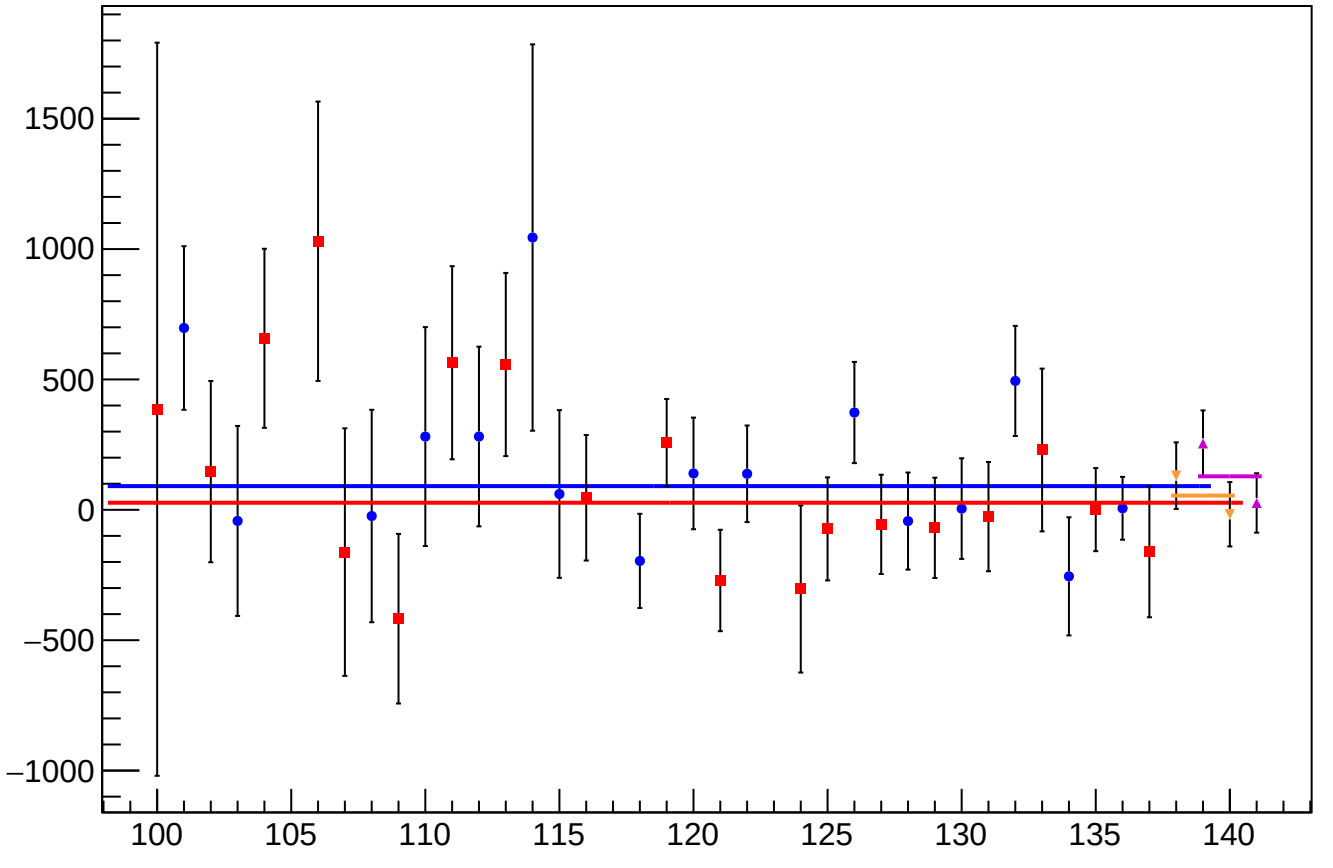
Left: 622.725+/-0.244 χ^2/NDF: 104330.0/3

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 933.326+/-0.246 χ^2/NDF:3432844.2/17

Out: 938.664+/-0.251 χ^2/NDF:4117283.2/20

All: 935.945+/-0.176 χ^2/NDF: 7550358.4/38



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 54.562+/-88.705 χ^2/NDF:0.7/1

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 128.444+/-84.681 χ^2/NDF:1.8/1

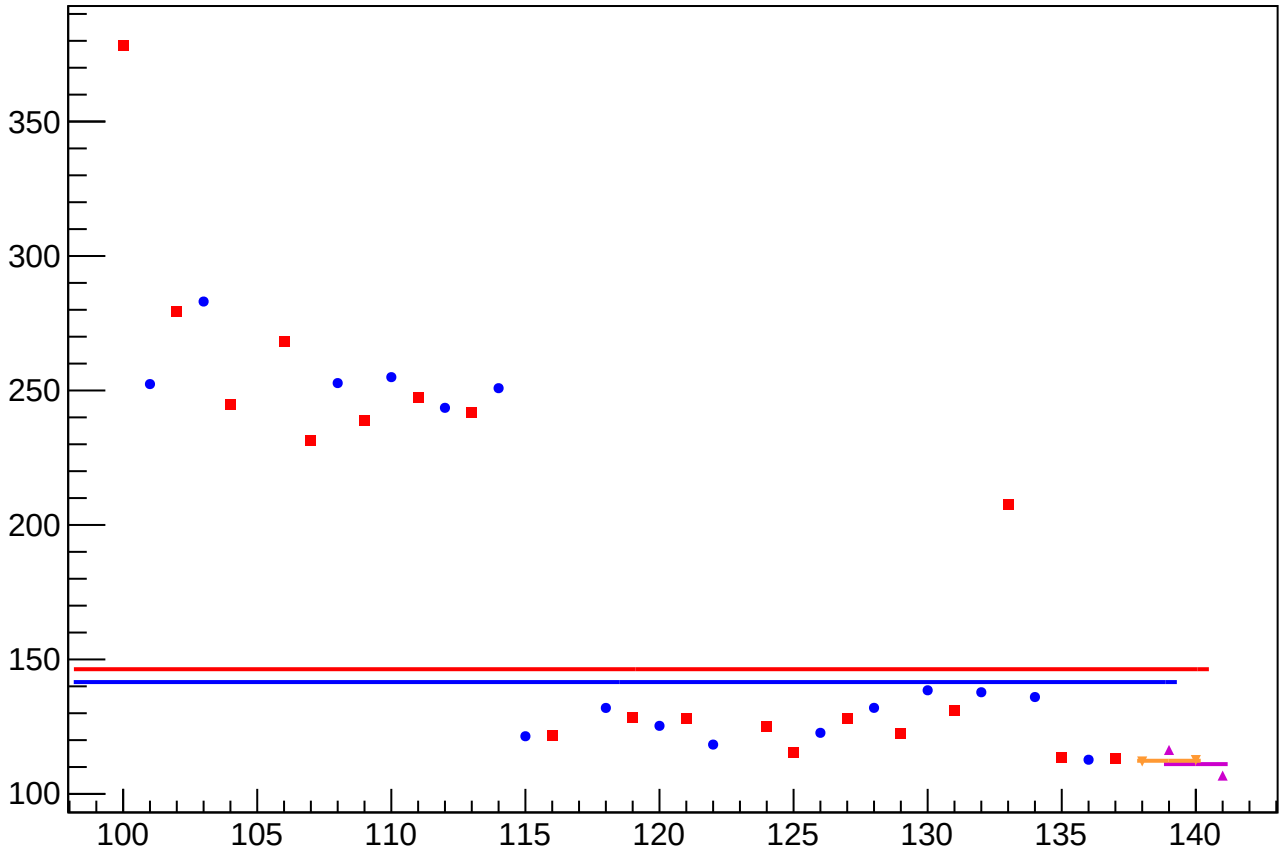
Left: 93.217+/-61.252 χ^2/NDF: 2.9/3

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 102.207+/-46.456 χ^2/NDF:20.0/17

Out: 35.178+/-47.962 χ^2/NDF:21.3/20

All: 69.761+/-33.369 χ^2/NDF: 42.3/38



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 112.328+/-0.063 χ^2/NDF:17.5/1

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 111.084+/-0.060 χ^2/NDF:6272.8/1

Left: 111.677+/-0.043 χ^2/NDF: 6496.0/3

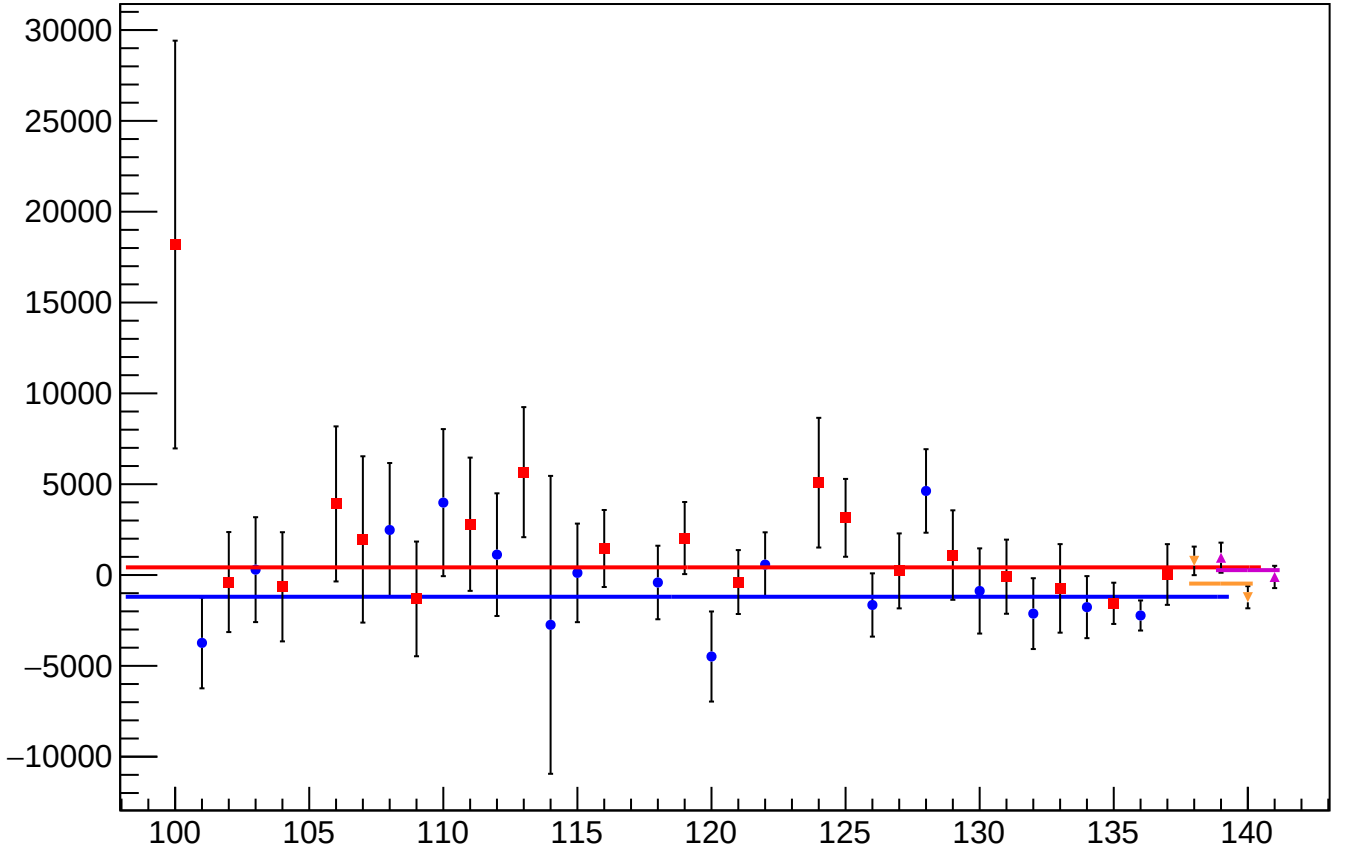
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 132.406+/-0.033 χ^2/NDF:1450004.2/17

Out: 136.417+/-0.034 χ^2/NDF:1722073.1/20

All: 134.347+/-0.024 χ^2/NDF: 3179293.7/38

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -471.591+/-481.478 χ^2/NDF:4.0/1

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 269.419+/-492.754 χ^2/NDF:1.1/1

Left: -109.661+/-344.374 χ^2/NDF: 6.3/3

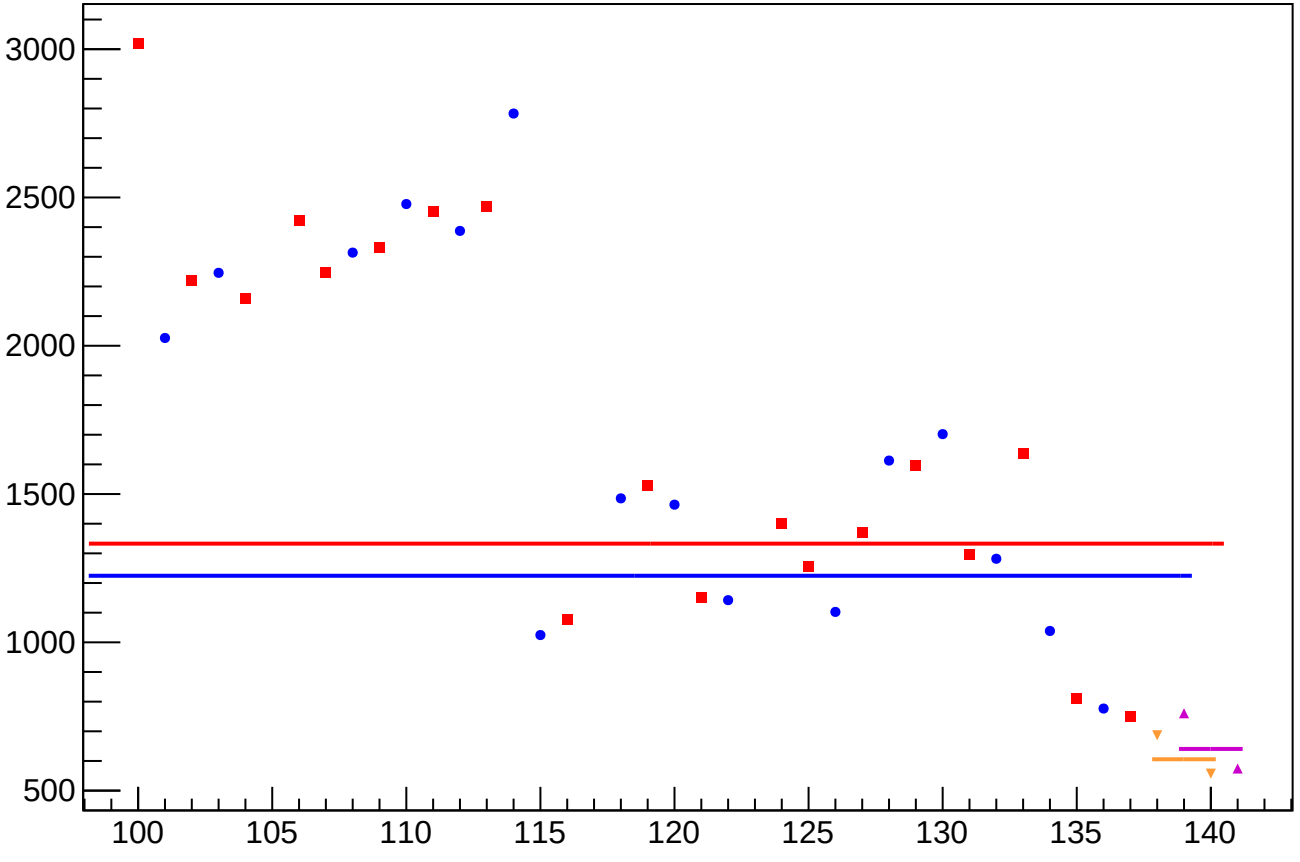
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -465.662+/-347.944 χ^2/NDF:21.5/17

Out: -62.302+/-354.486 χ^2/NDF:19.9/20

All: -267.738+/-248.314 χ^2/NDF: 42.0/38

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 605.701+/-0.340 χ^2/NDF:33868.1/1

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 640.555+/-0.348 χ^2/NDF:65337.2/1

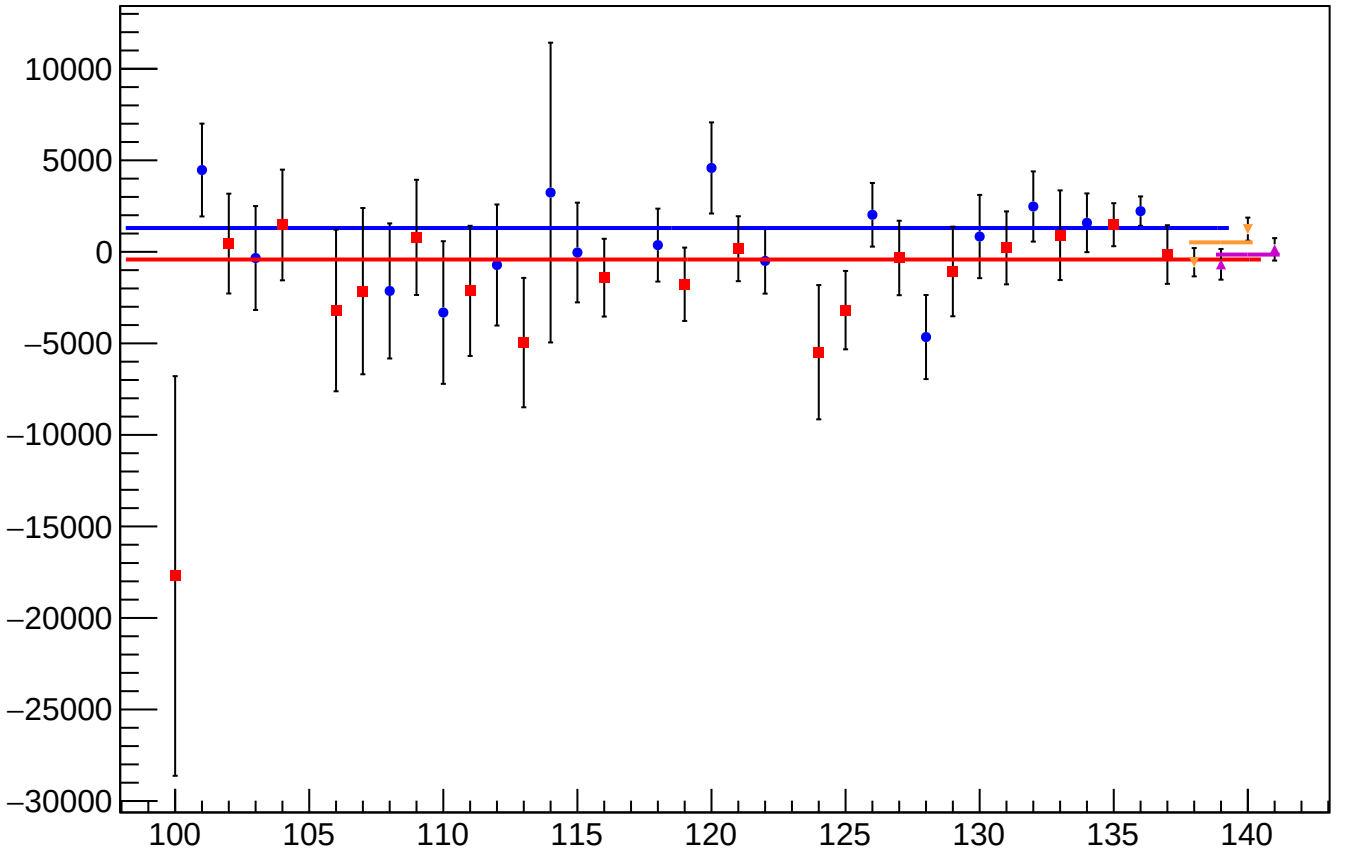
Left: 622.725+/-0.244 χ^2/NDF: 104324.1/3

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 933.326+/-0.246 χ^2/NDF:3432819.9/17

Out: 938.664+/-0.251 χ^2/NDF:4117266.3/20

All: 935.945+/-0.176 χ^2/NDF: 7550317.2/38



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 518.438+/-488.582 χ^2/NDF:3.3/1

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: -149.066+/-494.983 χ^2/NDF:0.6/1

Left: 189.030+/-347.721 χ^2/NDF: 4.8/3

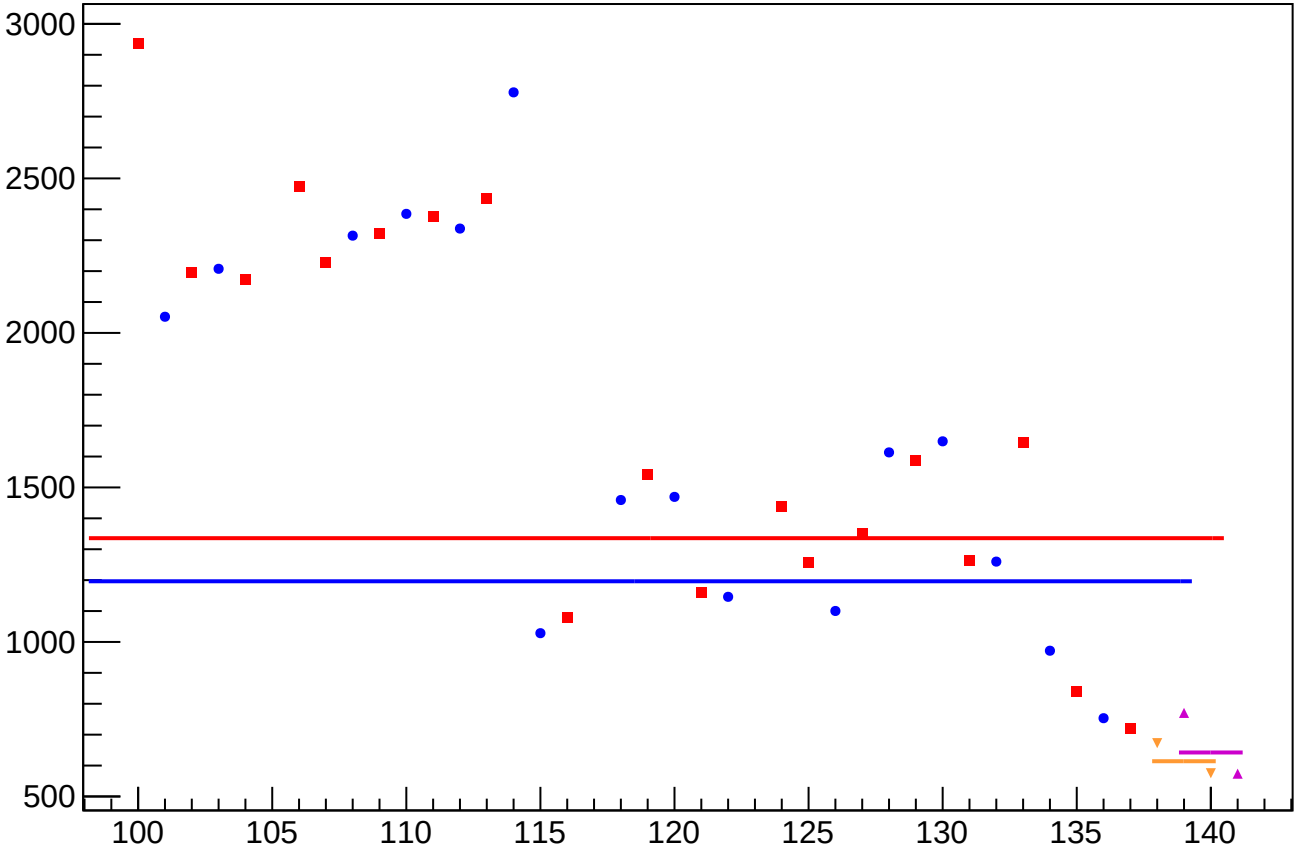
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 595.616+/-345.309 χ^2/NDF:21.5/17

Out: 83.260+/-357.508 χ^2/NDF:18.0/20

All: 348.329+/-248.371 χ^2/NDF: 40.6/38

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 614.033+/-0.345 χ^2/NDF:19031.3/1

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 642.354+/-0.350 χ^2/NDF:71693.8/1

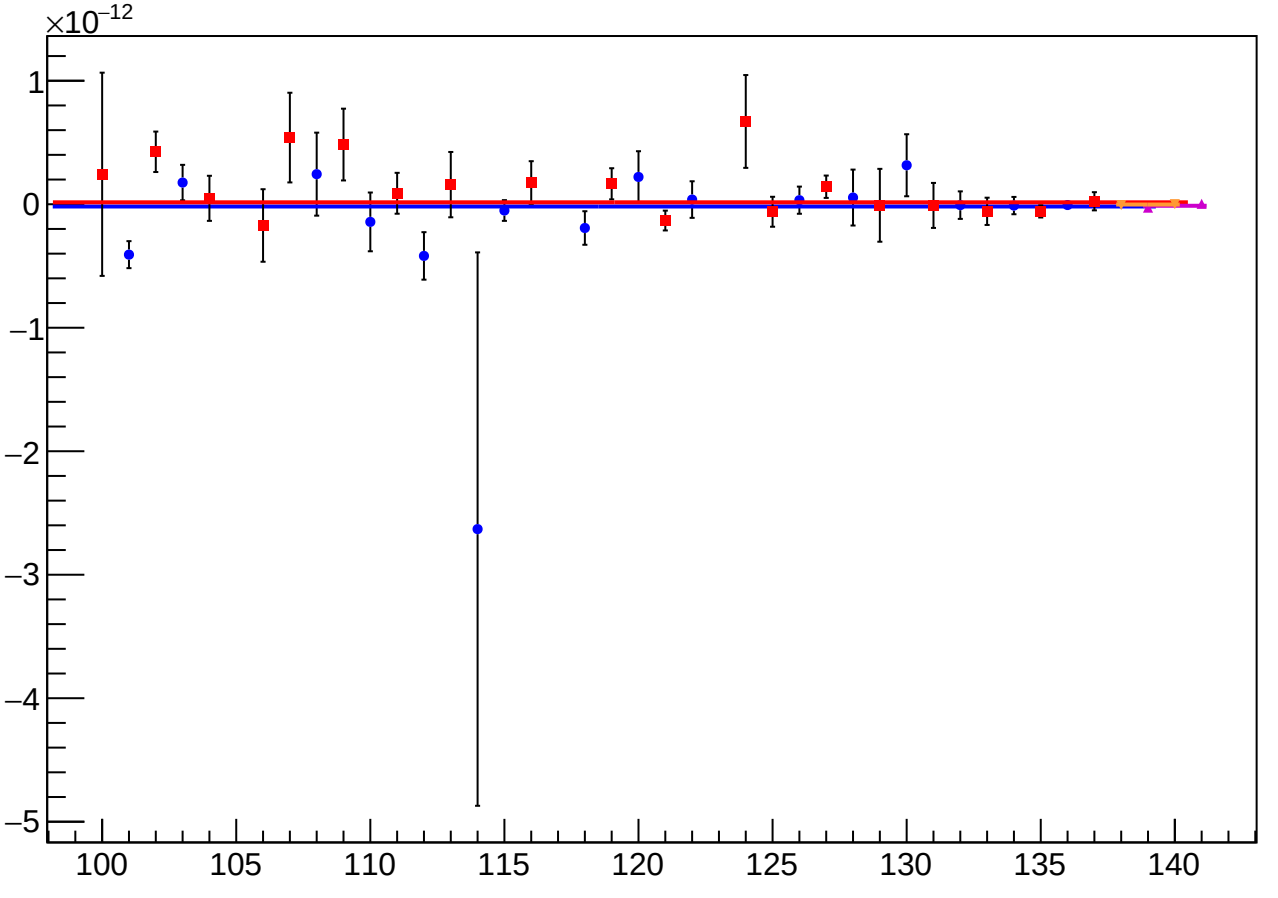
Left: 628.009+/-0.246 χ^2/NDF: 94041.3/3

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 926.738+/-0.244 χ^2/NDF:3389470.3/17

Out: 949.353+/-0.253 χ^2/NDF:3998263.1/20

All: 937.653+/-0.176 χ^2/NDF: 7391873.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

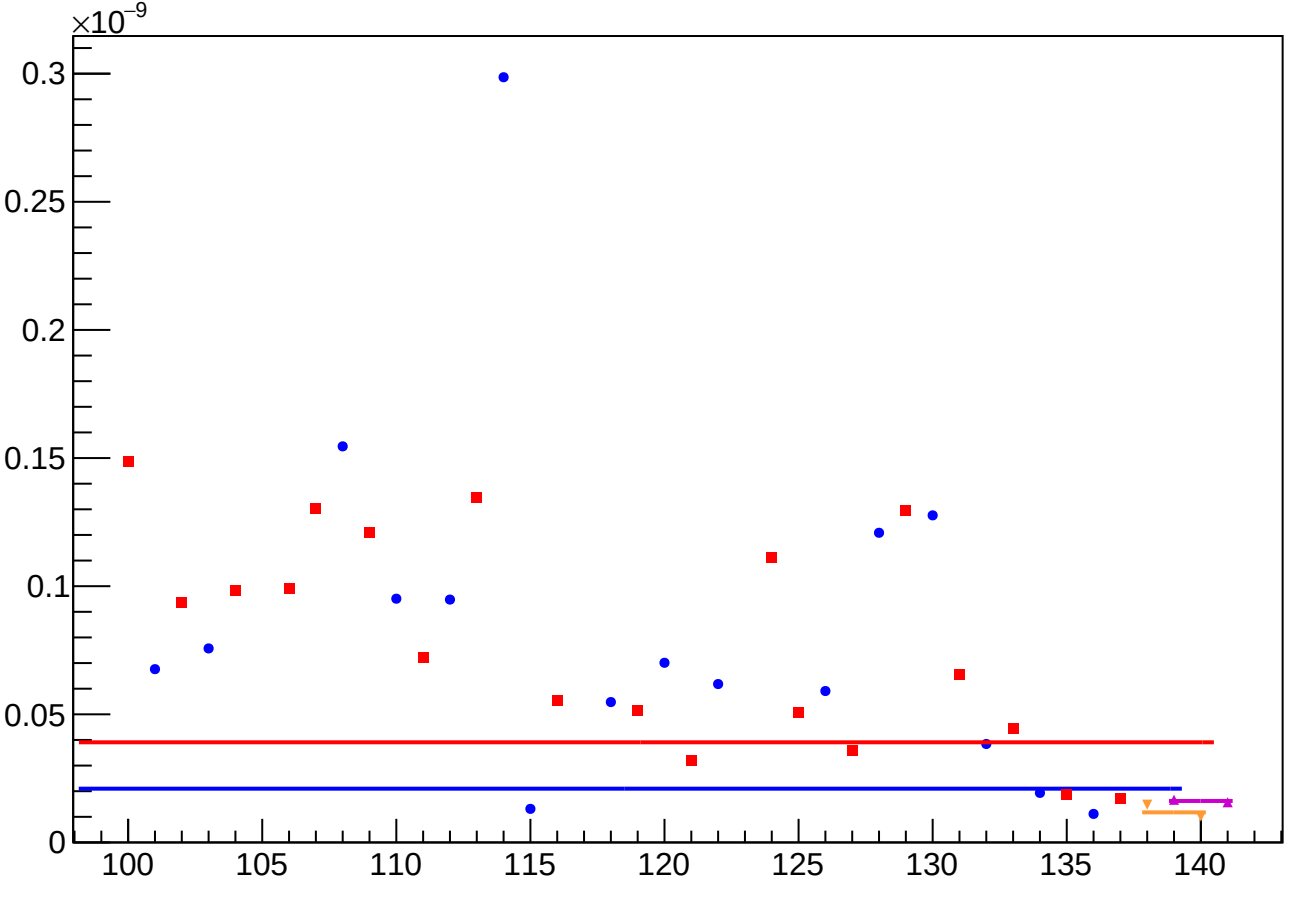
Left: -0.000+/-0.000 χ^2/NDF: 0.9/3

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:27.5/17

Out: 0.000+/-0.000 χ^2/NDF:26.0/20

All: -0.000+/-0.000 χ^2/NDF: 54.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:44624.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1354.6/1

Left: 0.000+/-0.000 χ^2/NDF: 115265.9/3

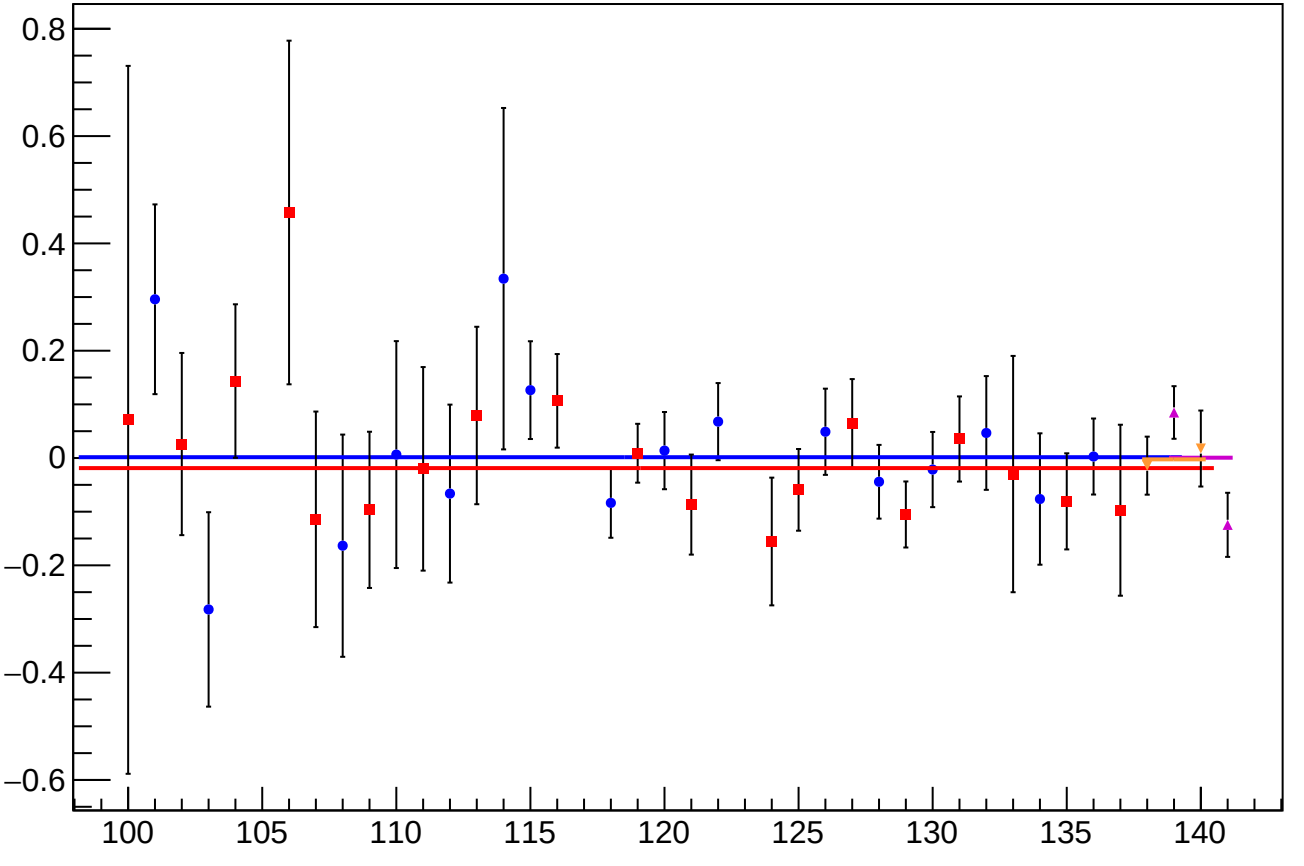
Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:3451149.0/17

Out: 0.000+/-0.000 χ^2/NDF:3646439.7/20

All: 0.000+/-0.000 χ^2/NDF: 7102280.0/38

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.002+/-0.043 χ^2/NDF:0.1/1

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.001+/-0.038 χ^2/NDF:7.3/1

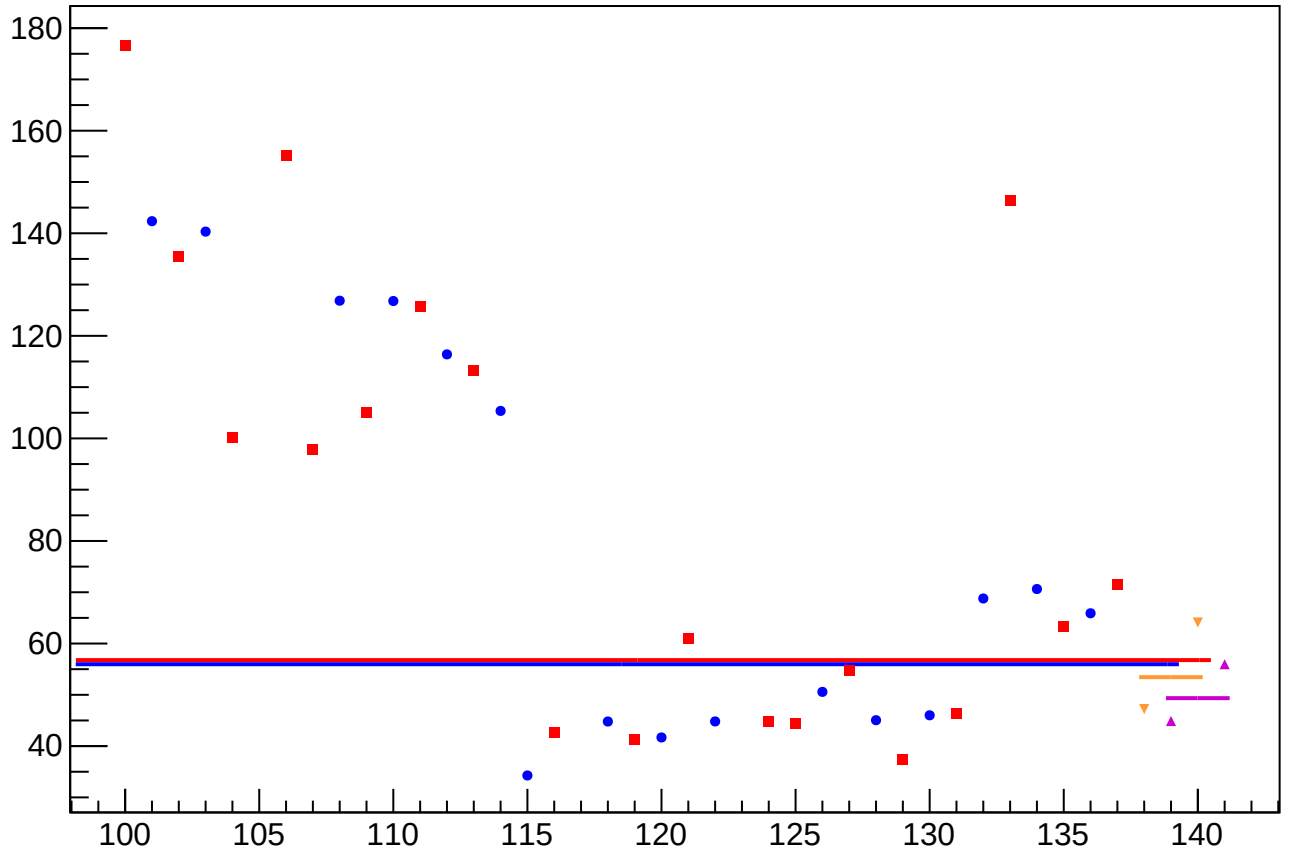
Left: -0.001+/-0.028 χ^2/NDF: 7.5/3

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.001+/-0.020 χ^2/NDF:20.4/17

Out: -0.015+/-0.021 χ^2/NDF:13.3/20

All: -0.007+/-0.014 χ^2/NDF: 34.1/38



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.444+/-0.030 χ^2/NDF:71786.2/1

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 49.348+/-0.027 χ^2/NDF:41051.7/1

Left: 51.140+/-0.020 χ^2/NDF: 123055.6/3

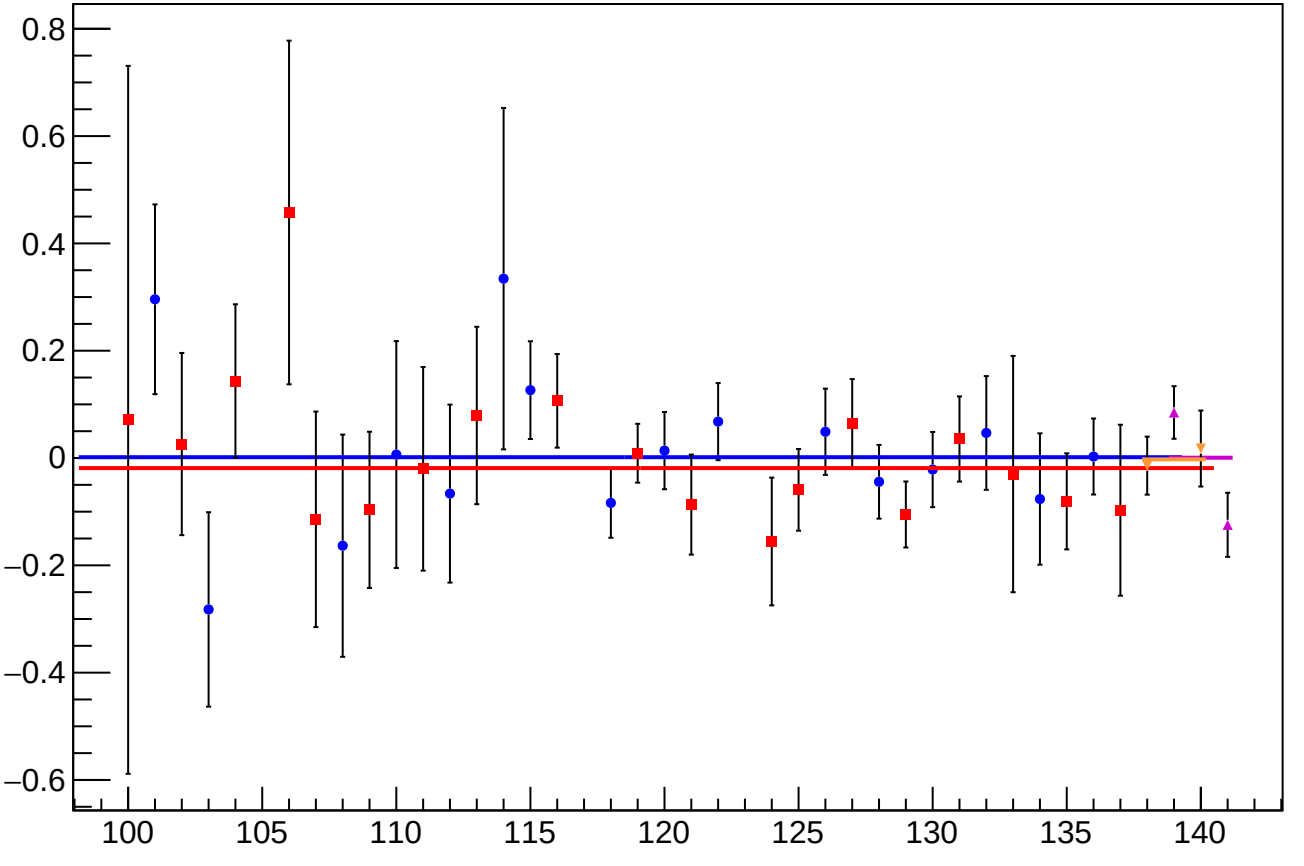
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.139+/-0.014 χ^2/NDF:2265048.8/17

Out: 56.004+/-0.015 χ^2/NDF:2634233.0/20

All: 55.039+/-0.010 χ^2/NDF: 4907737.7/38

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.002+/-0.043 χ^2/NDF:0.1/1

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.001+/-0.038 χ^2/NDF:7.3/1

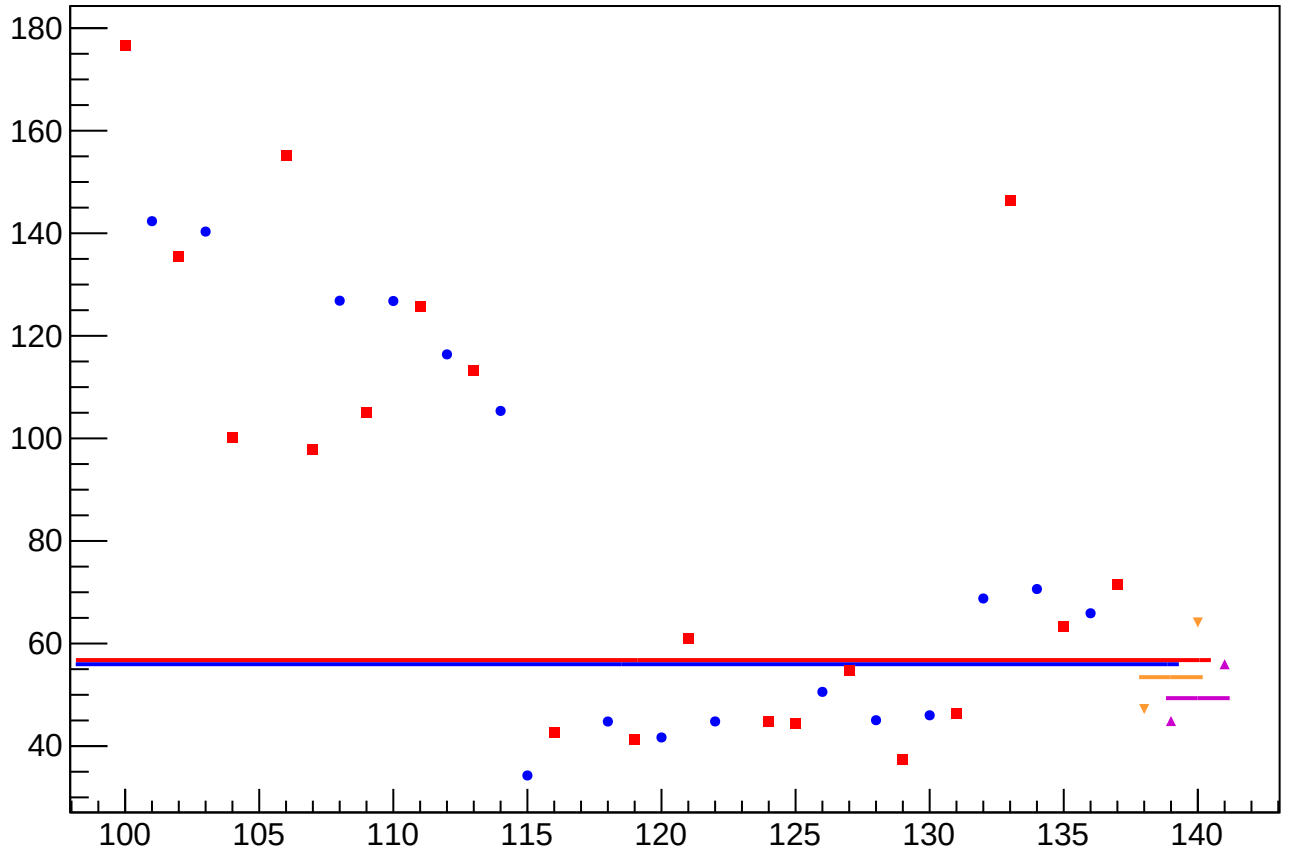
Left: -0.001+/-0.028 χ^2/NDF: 7.5/3

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.001+/-0.020 χ^2/NDF:20.4/17

Out: -0.015+/-0.021 χ^2/NDF:13.3/20

All: -0.007+/-0.014 χ^2/NDF: 34.1/38



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.444+/-0.030 χ^2/NDF:71786.2/1

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 49.348+/-0.027 χ^2/NDF:41051.7/1

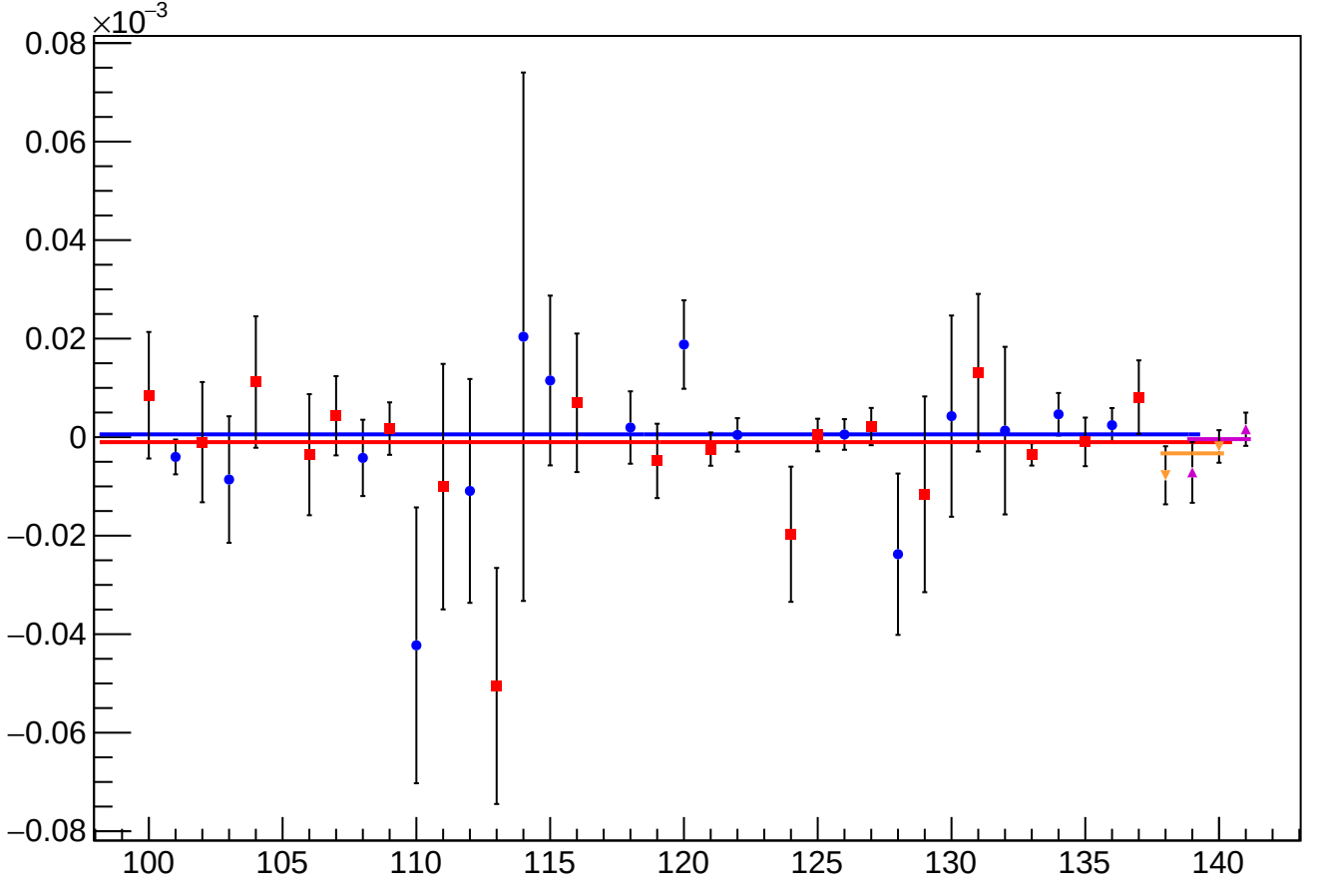
Left: 51.140+/-0.020 χ^2/NDF: 123055.6/3

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.139+/-0.014 χ^2/NDF:2265048.8/17

Out: 56.004+/-0.015 χ^2/NDF:2634233.0/20

All: 55.039+/-0.010 χ^2/NDF: 4907737.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/1

Left: -0.000+/-0.000 χ^2/NDF: 2.8/3

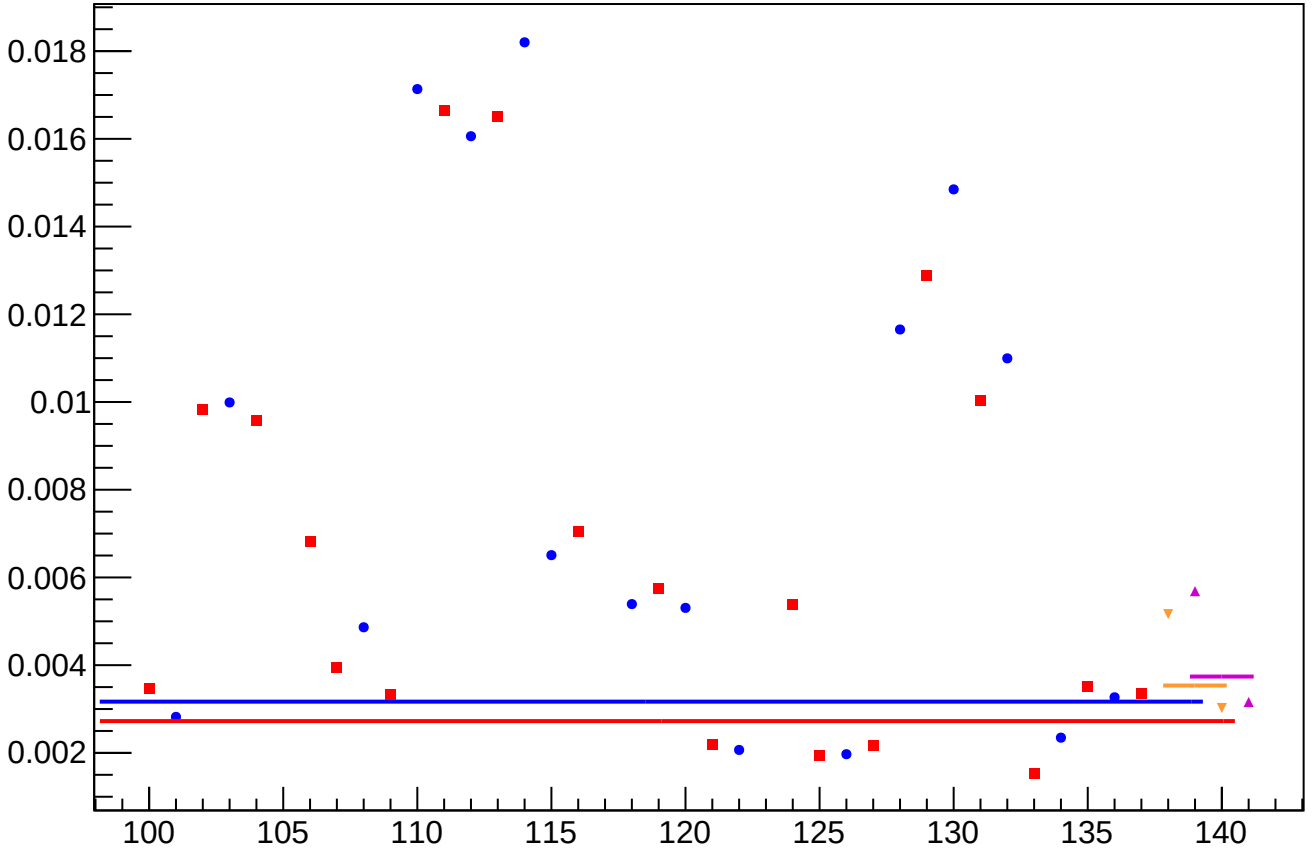
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:14.9/17

Out: -0.000+/-0.000 χ^2/NDF:15.1/20

All: -0.000+/-0.000 χ^2/NDF: 31.0/38

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:200716.1/1

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.004+/-0.000 χ^2/NDF:257261.9/1

Left: 0.004+/-0.000 χ^2/NDF: 462867.1/3

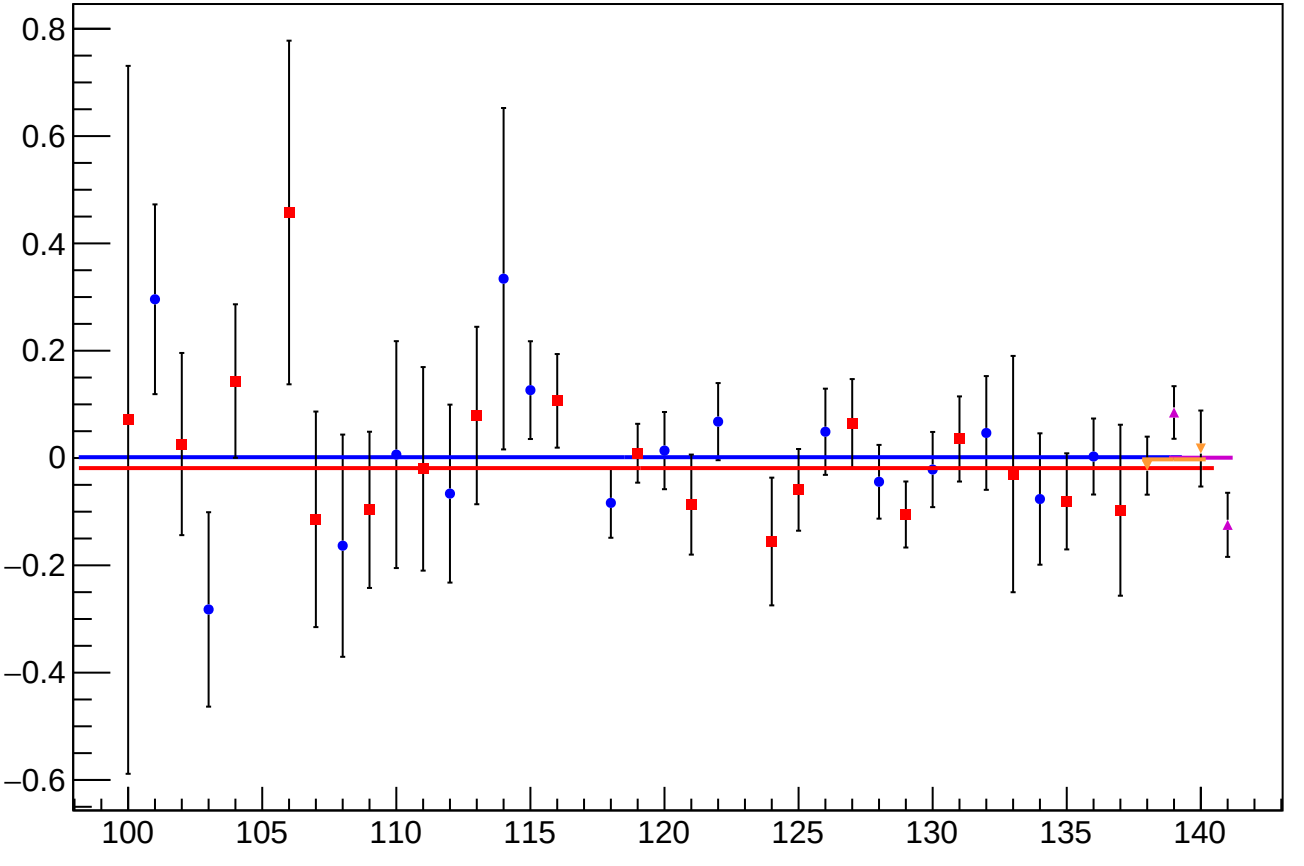
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:4863103.8/17

Out: 0.003+/-0.000 χ^2/NDF:5486431.6/20

All: 0.003+/-0.000 χ^2/NDF: 10466051.4/38

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.002+/-0.043 χ^2/NDF:0.1/1

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.001+/-0.038 χ^2/NDF:7.3/1

Left: -0.001+/-0.028 χ^2/NDF: 7.5/3

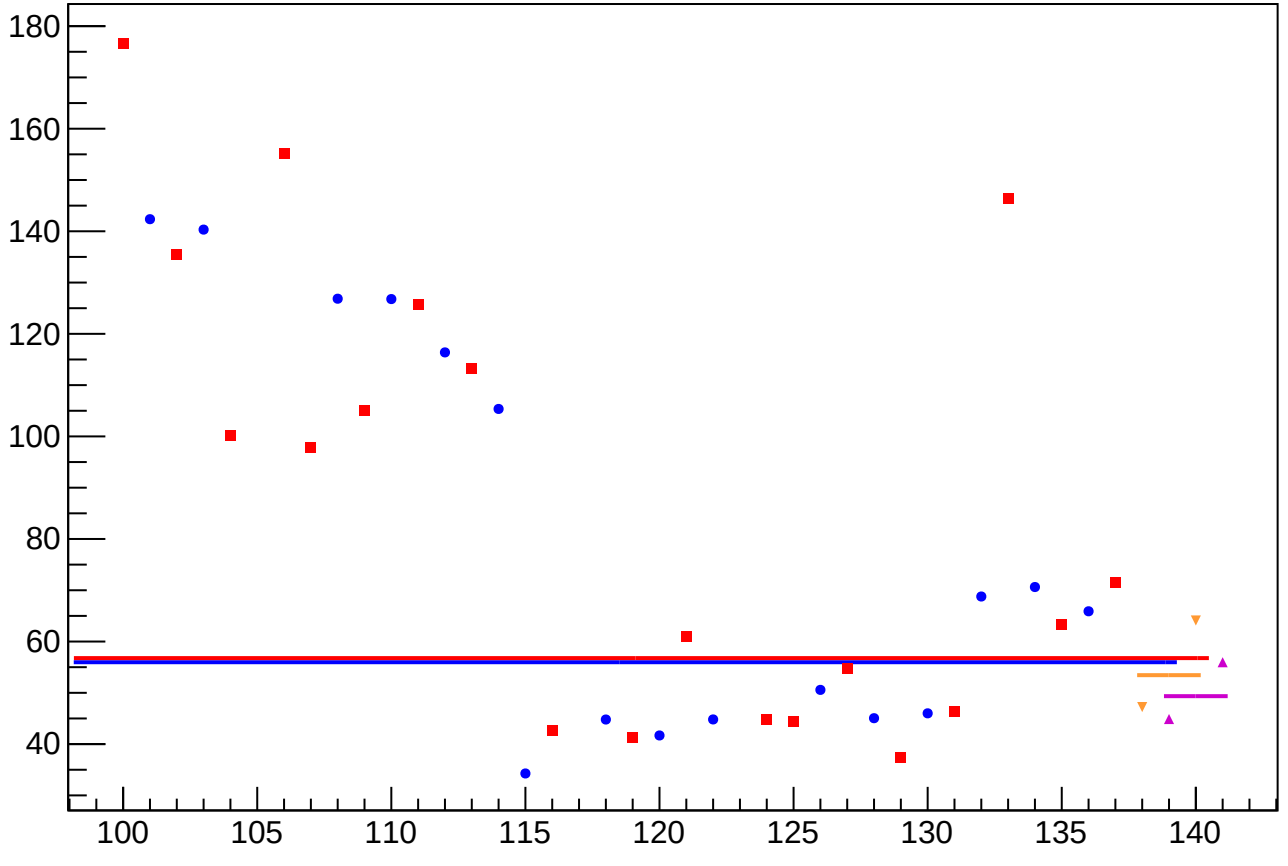
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.001+/-0.020 χ^2/NDF:20.4/17

Out: -0.015+/-0.021 χ^2/NDF:13.3/20

All: -0.007+/-0.014 χ^2/NDF: 34.1/38

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.443+/-0.030 χ^2/NDF:71794.7/1

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 49.349+/-0.027 χ^2/NDF:41056.9/1

Left: 51.140+/-0.020 χ^2/NDF: 123065.8/3

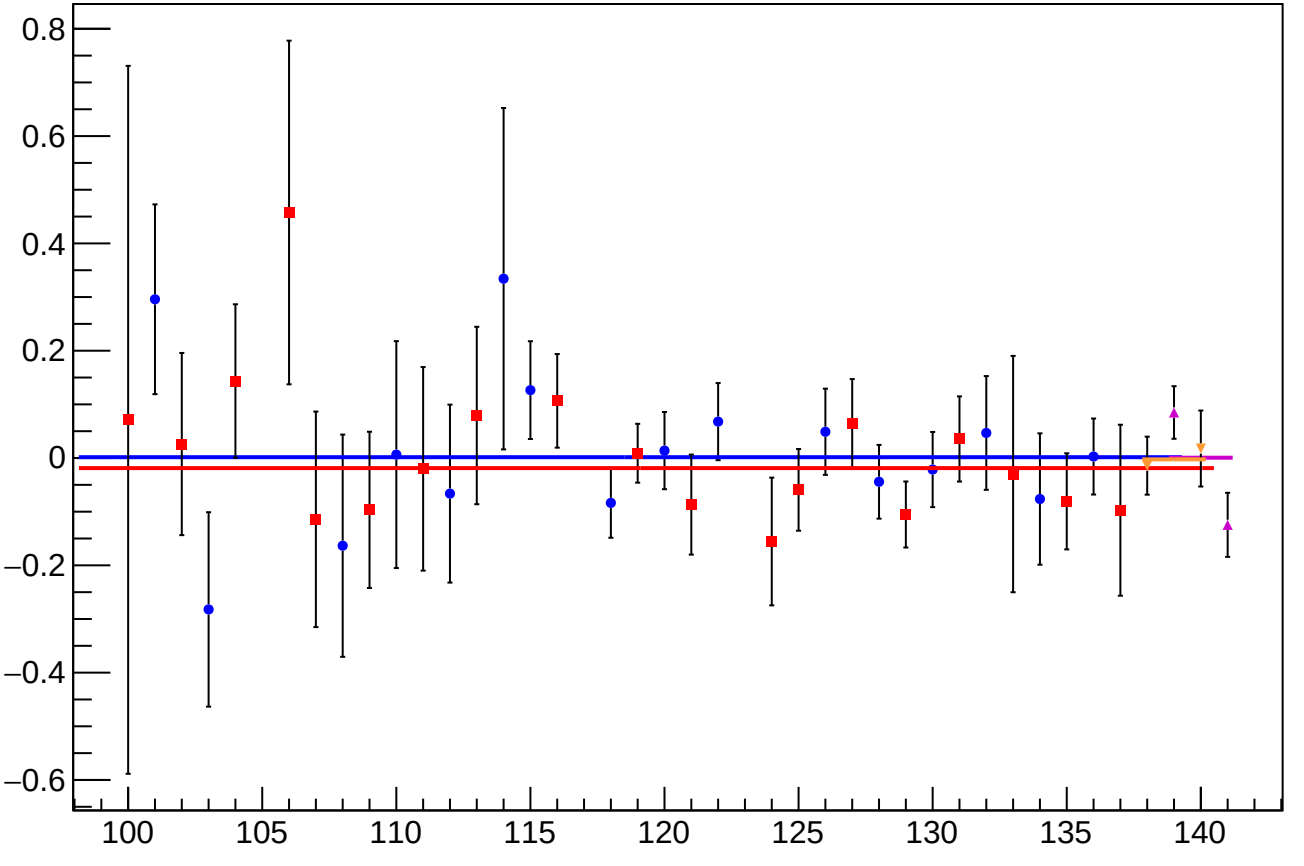
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.139+/-0.014 χ^2/NDF:2264969.7/17

Out: 56.003+/-0.015 χ^2/NDF:2634184.0/20

All: 55.039+/-0.010 χ^2/NDF: 4907605.8/38

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.002+/-0.043 χ^2/NDF:0.1/1

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.001+/-0.038 χ^2/NDF:7.3/1

Left: -0.001+/-0.028 χ^2/NDF: 7.5/3

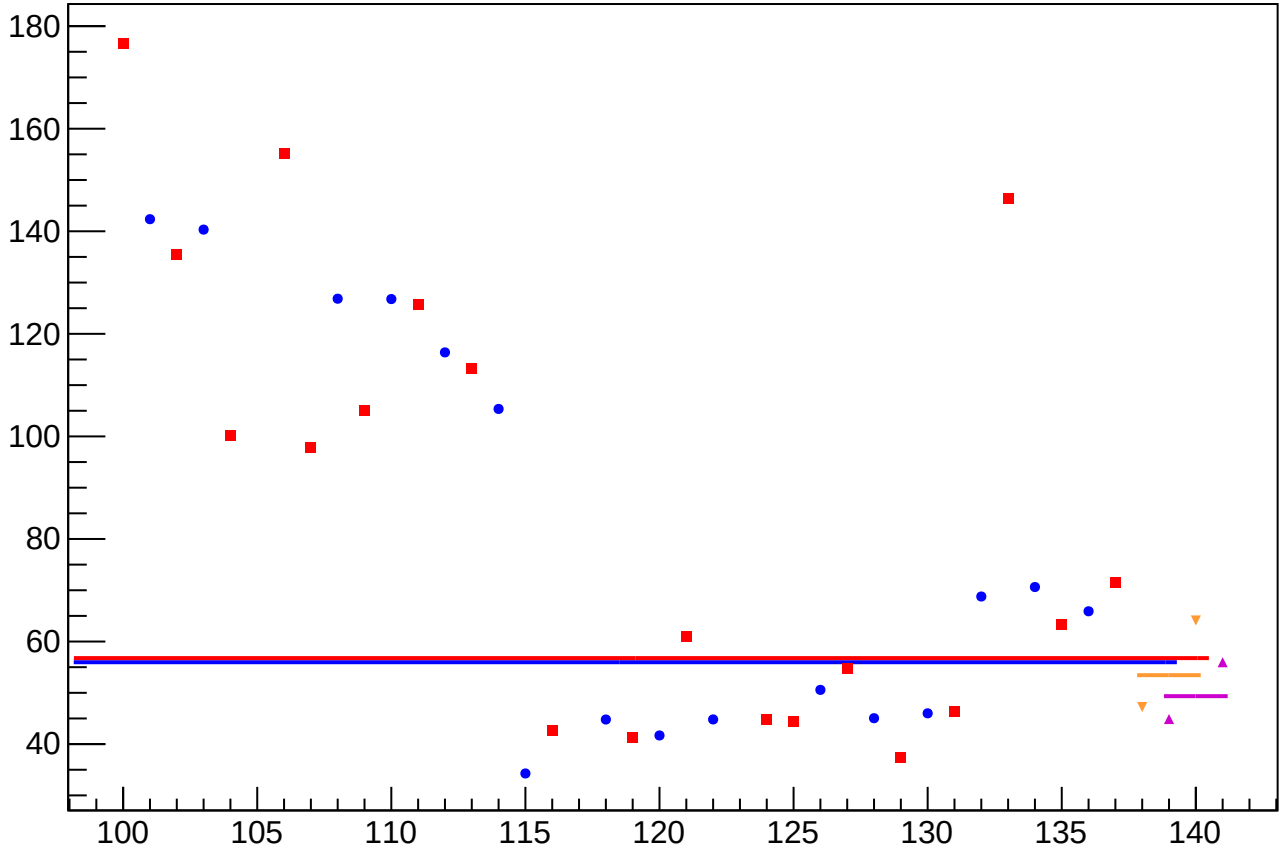
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.001+/-0.020 χ^2/NDF:20.4/17

Out: -0.015+/-0.021 χ^2/NDF:13.3/20

All: -0.007+/-0.014 χ^2/NDF: 34.1/38

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.443+/-0.030 χ^2/NDF:71794.7/1

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 49.349+/-0.027 χ^2/NDF:41056.9/1

Left: 51.140+/-0.020 χ^2/NDF: 123065.8/3

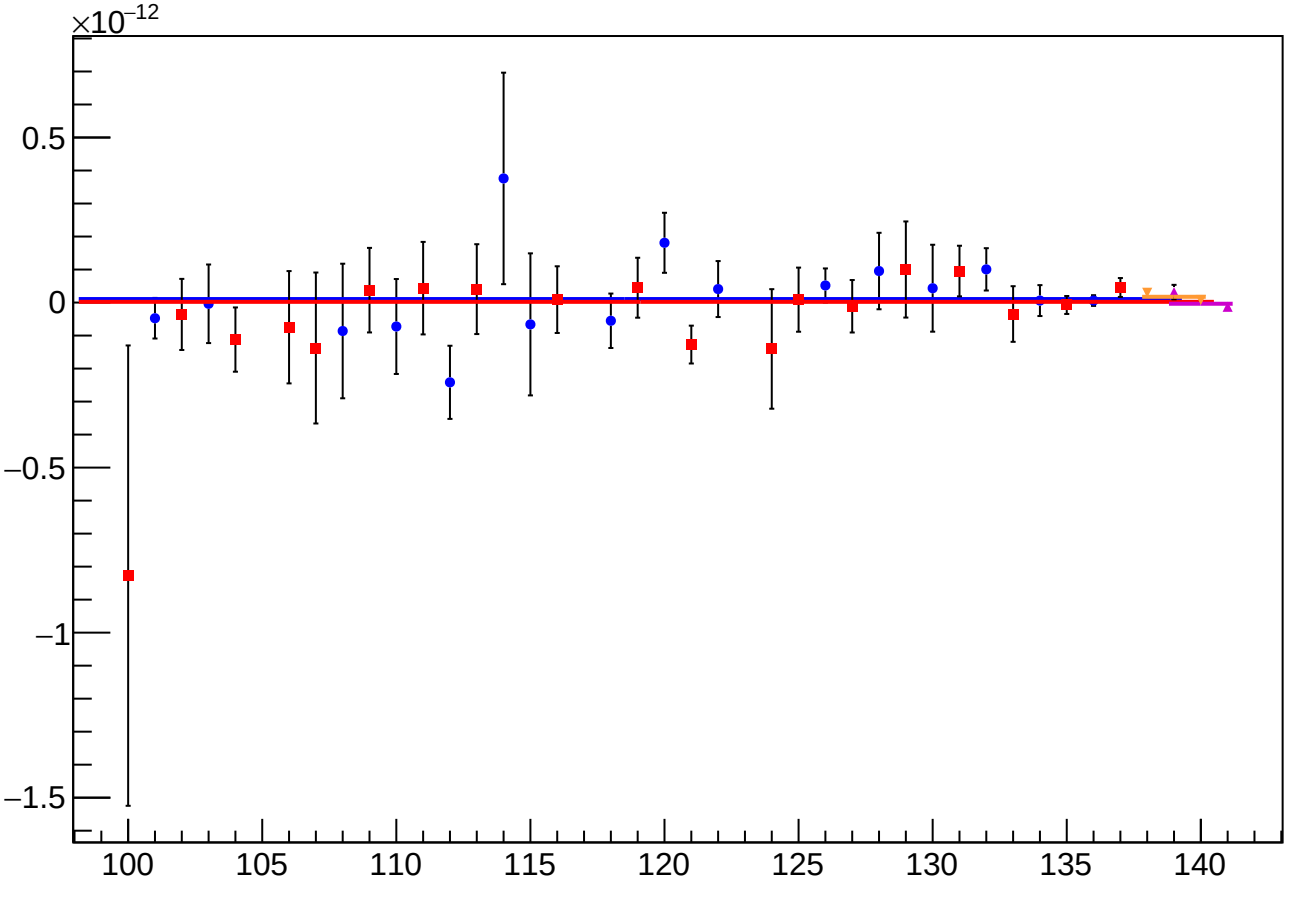
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.139+/-0.014 χ^2/NDF:2264969.7/17

Out: 56.003+/-0.015 χ^2/NDF:2634184.0/20

All: 55.039+/-0.010 χ^2/NDF: 4907605.8/38

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/1

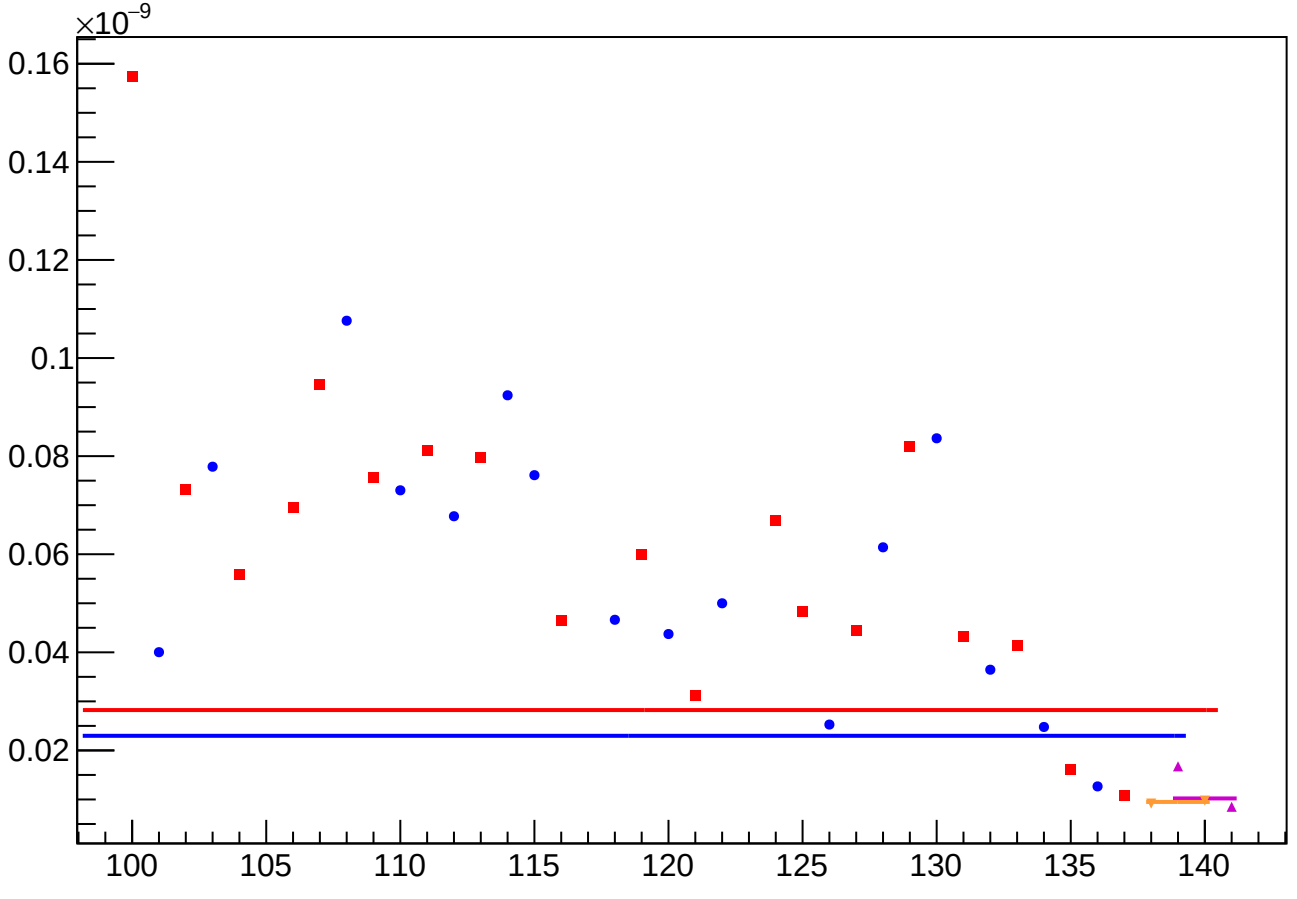
Left: 0.000+/-0.000 χ^2/NDF: 7.3/3

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:19.7/17

Out: 0.000+/-0.000 χ^2/NDF:16.5/20

All: 0.000+/-0.000 χ^2/NDF: 37.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2314.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:224968.6/1

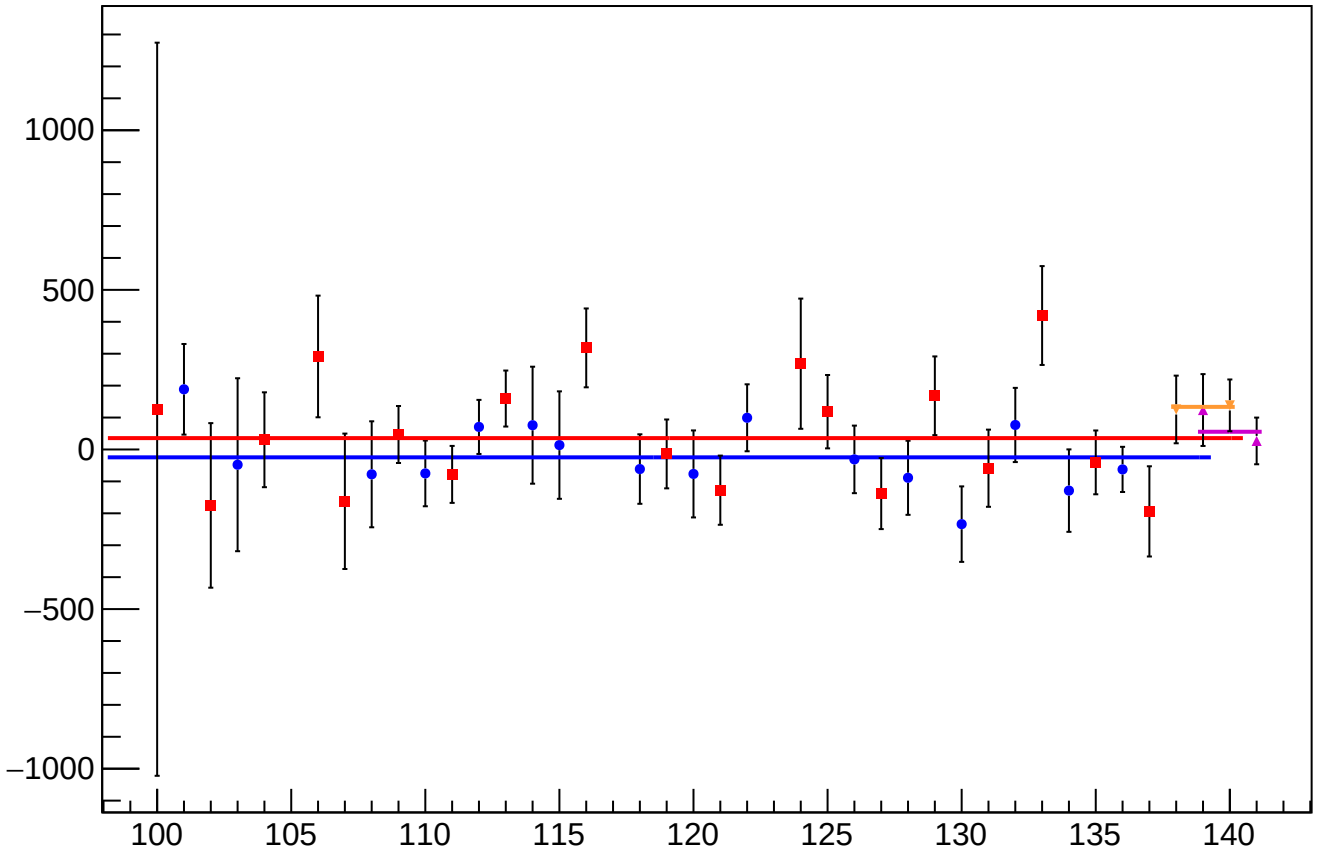
Left: 0.000+/-0.000 χ^2/NDF: 233020.7/3

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:5179875.3/17

Out: 0.000+/-0.000 χ^2/NDF:6025791.9/20

All: 0.000+/-0.000 χ^2/NDF: 11217297.4/38



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 133.436+/-64.409 χ^2/NDF:0.0/1

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 55.483+/-61.307 χ^2/NDF:0.5/1

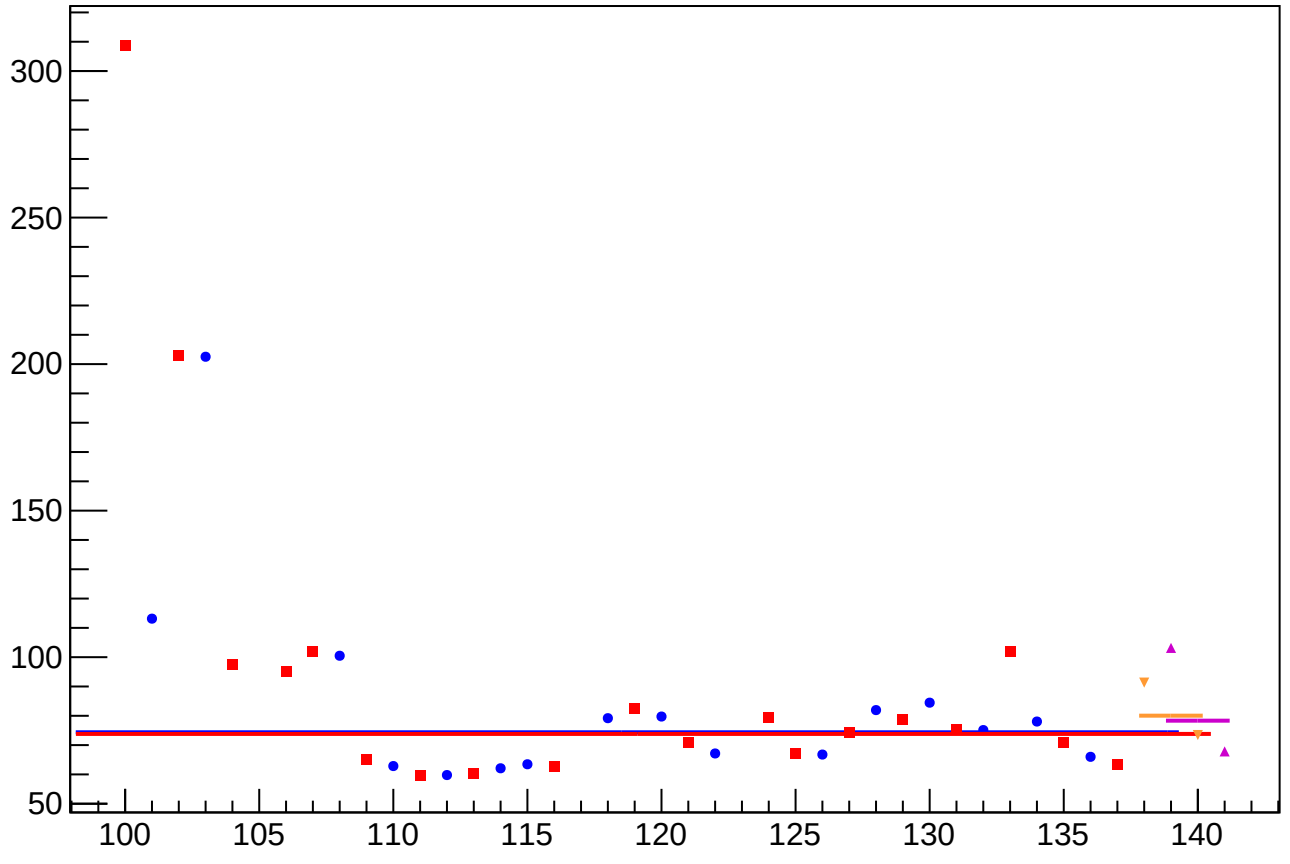
Left: 92.537+/-44.406 χ^2/NDF: 1.3/3

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: -10.055+/-26.150 χ^2/NDF:12.9/17

Out: 51.561+/-26.028 χ^2/NDF:32.0/20

All: 20.898+/-18.448 χ^2/NDF: 47.8/38



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 80.044+/-0.046 χ^2/NDF:35935.8/1

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 78.336+/-0.043 χ^2/NDF:138533.9/1

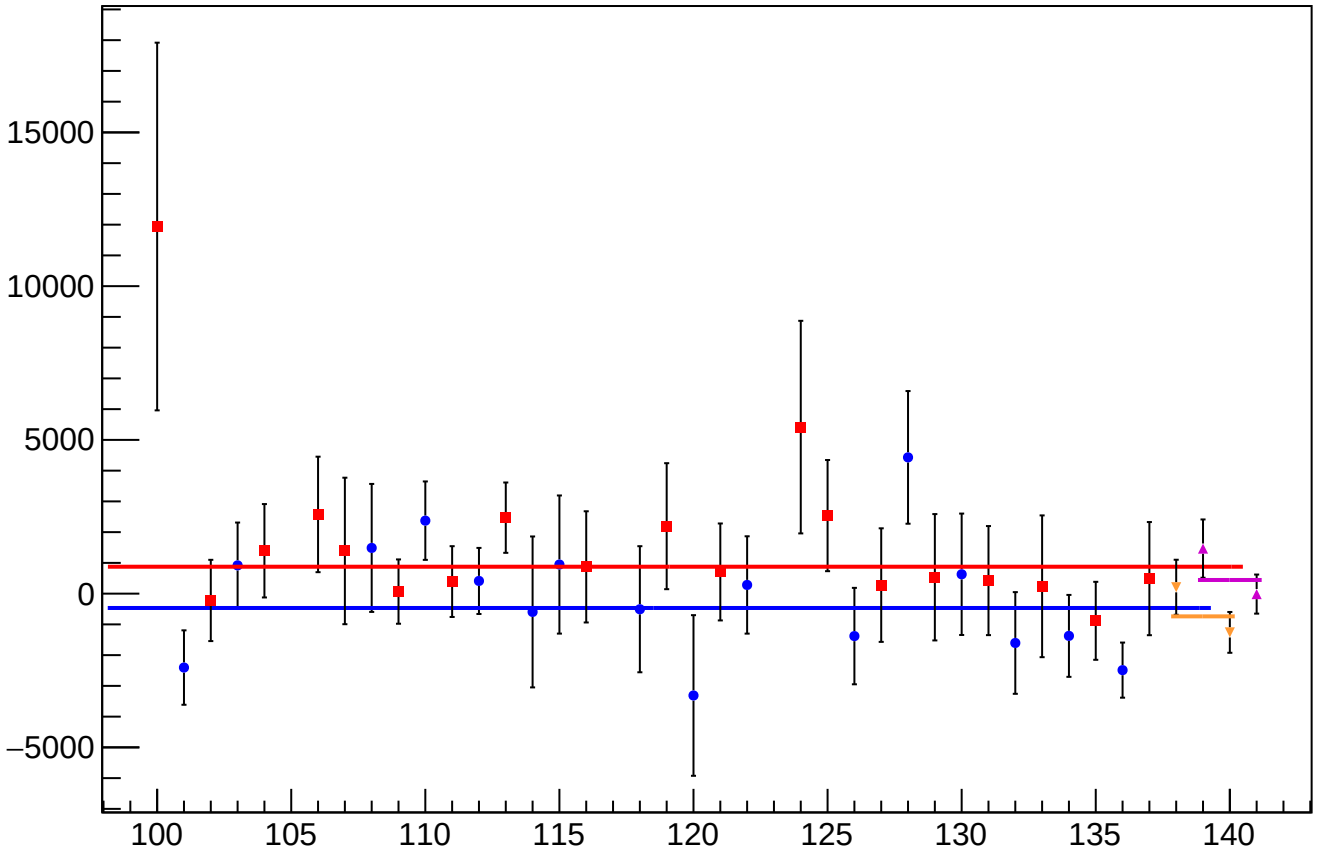
Left: 79.148+/-0.031 χ^2/NDF: 175207.3/3

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 75.091+/-0.018 χ^2/NDF:972968.3/17

Out: 74.832+/-0.018 χ^2/NDF:983536.1/20

All: 74.961+/-0.013 χ^2/NDF: 1956602.8/38



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -739.355+/-533.117 χ^2/NDF:1.7/1

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 444.049+/-527.854 χ^2/NDF:1.7/1

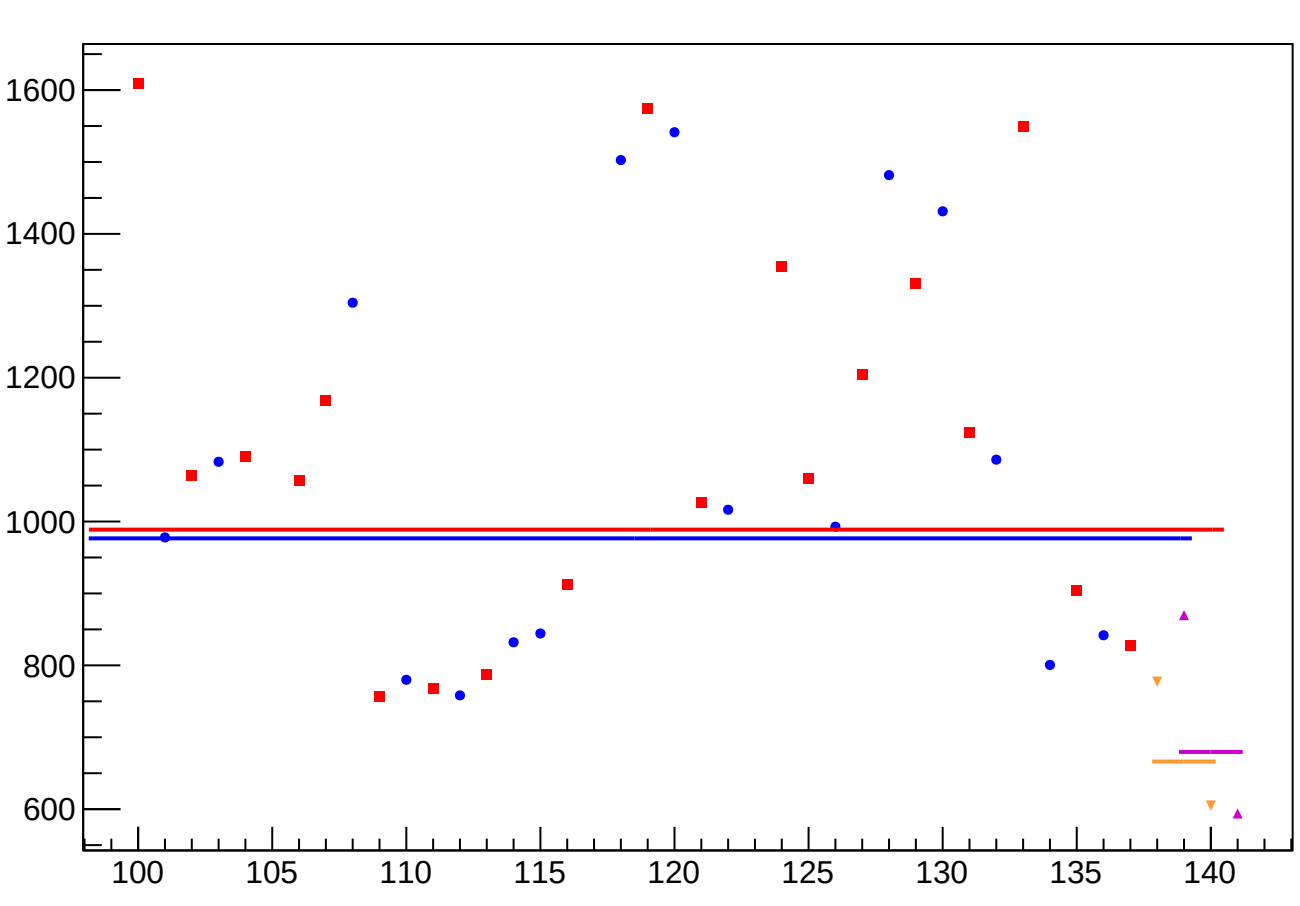
Left: -141.783+/-375.096 χ^2/NDF: 5.9/3

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -161.070+/-305.724 χ^2/NDF:27.4/17

Out: 346.142+/-305.203 χ^2/NDF:21.0/20

All: 92.968+/-215.995 χ^2/NDF: 49.7/38



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 666.210+/-0.377 χ^2/NDF:47817.8/1

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 679.566+/-0.373 χ^2/NDF:116839.3/1

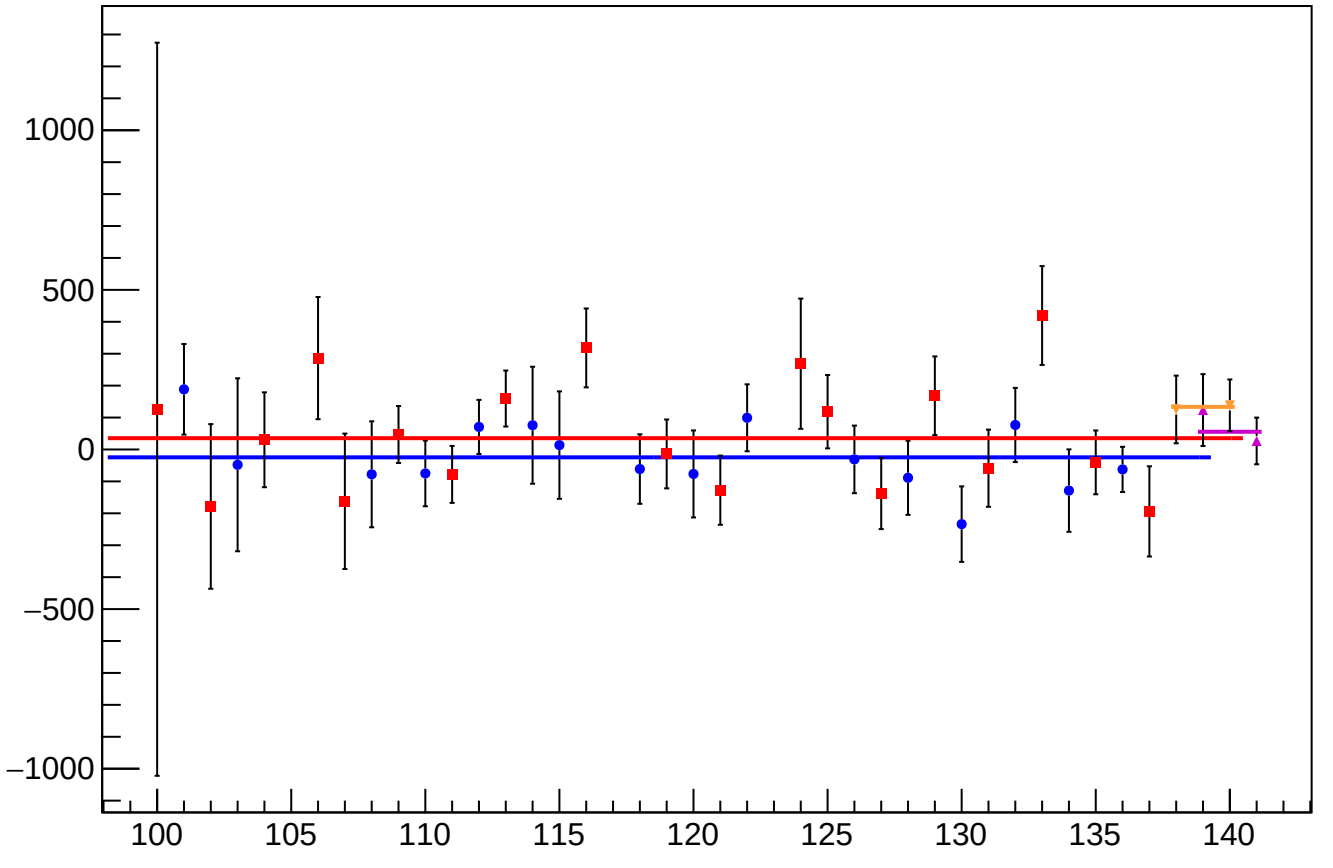
Left: 672.954+/-0.265 χ^2/NDF: 165290.9/3

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 876.948+/-0.216 χ^2/NDF:1274258.7/17

Out: 883.049+/-0.216 χ^2/NDF:1255699.4/20

All: 880.003+/-0.153 χ^2/NDF: 2530357.0/38



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 133.444+/-64.409 χ^2/NDF:0.0/1

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 55.483+/-61.307 χ^2/NDF:0.5/1

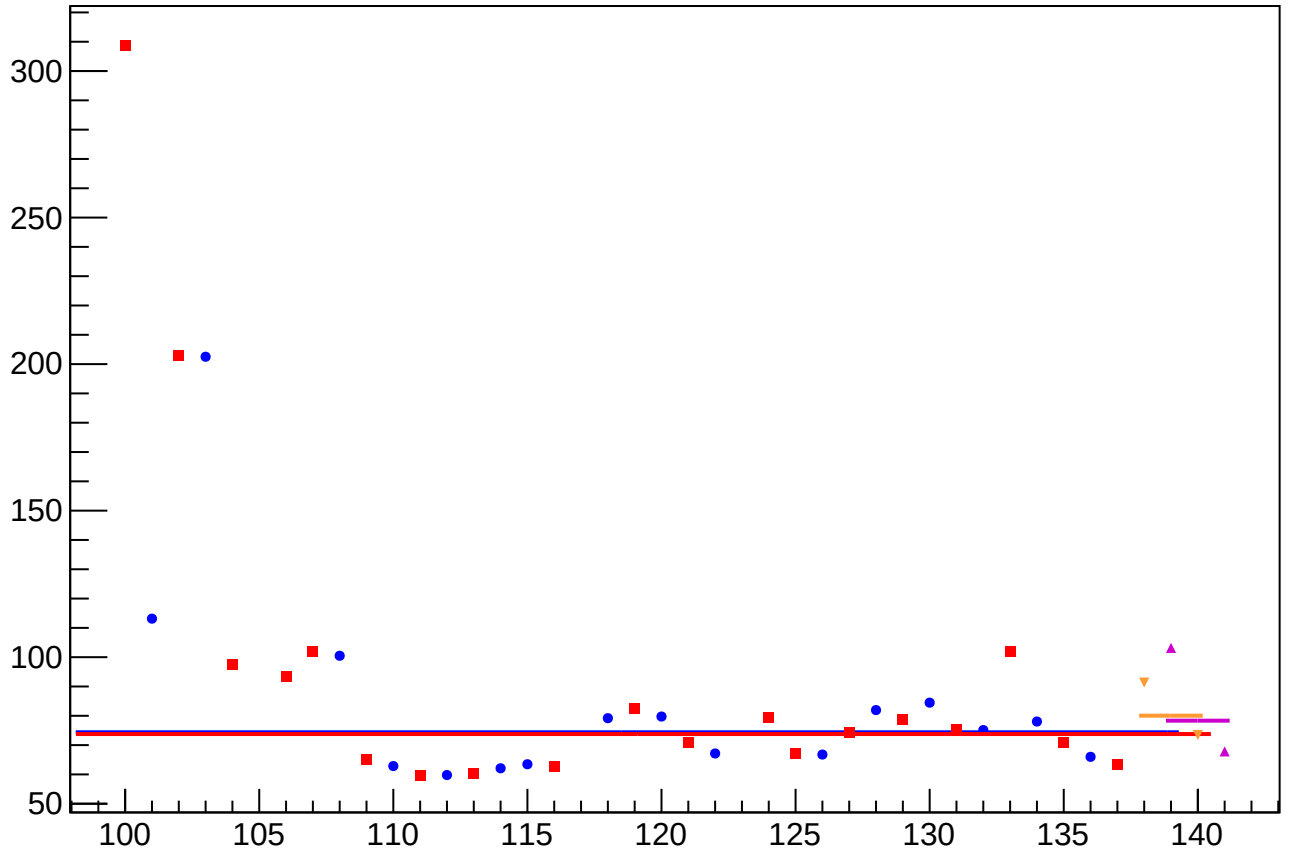
Left: 92.541+/-44.406 χ^2/NDF: 1.3/3

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: -10.062+/-26.150 χ^2/NDF:12.9/17

Out: 51.399+/-26.030 χ^2/NDF:32.0/20

All: 20.810+/-18.448 χ^2/NDF: 47.7/38



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 80.044+/-0.046 χ^2/NDF:35935.8/1

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 78.336+/-0.043 χ^2/NDF:138533.9/1

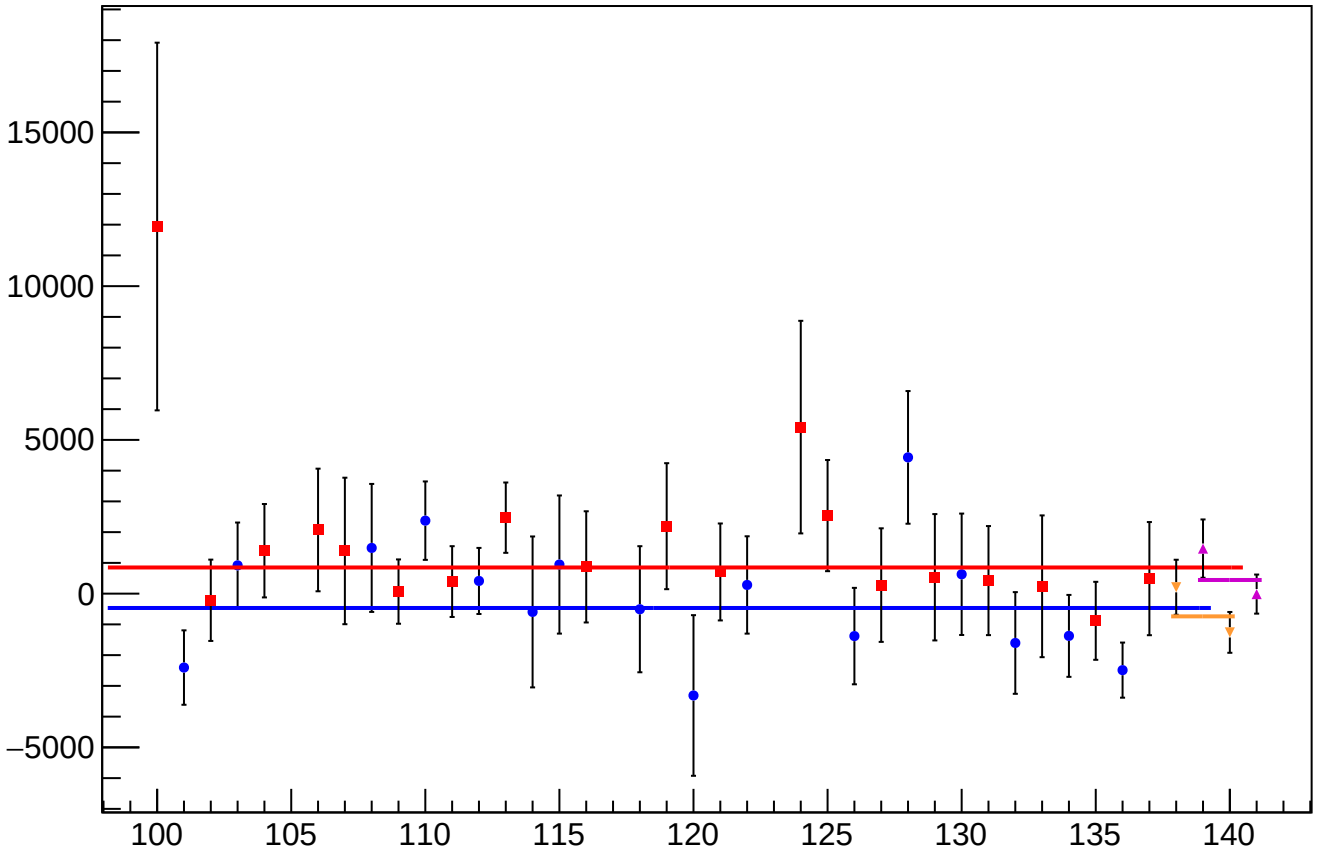
Left: 79.148+/-0.031 χ^2/NDF: 175207.3/3

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 75.091+/-0.018 χ^2/NDF:972970.4/17

Out: 74.797+/-0.018 χ^2/NDF:979961.5/20

All: 74.943+/-0.013 χ^2/NDF: 1953058.5/38



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -739.343+/-533.116 χ^2/NDF:1.7/1

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 444.051+/-527.855 χ^2/NDF:1.7/1

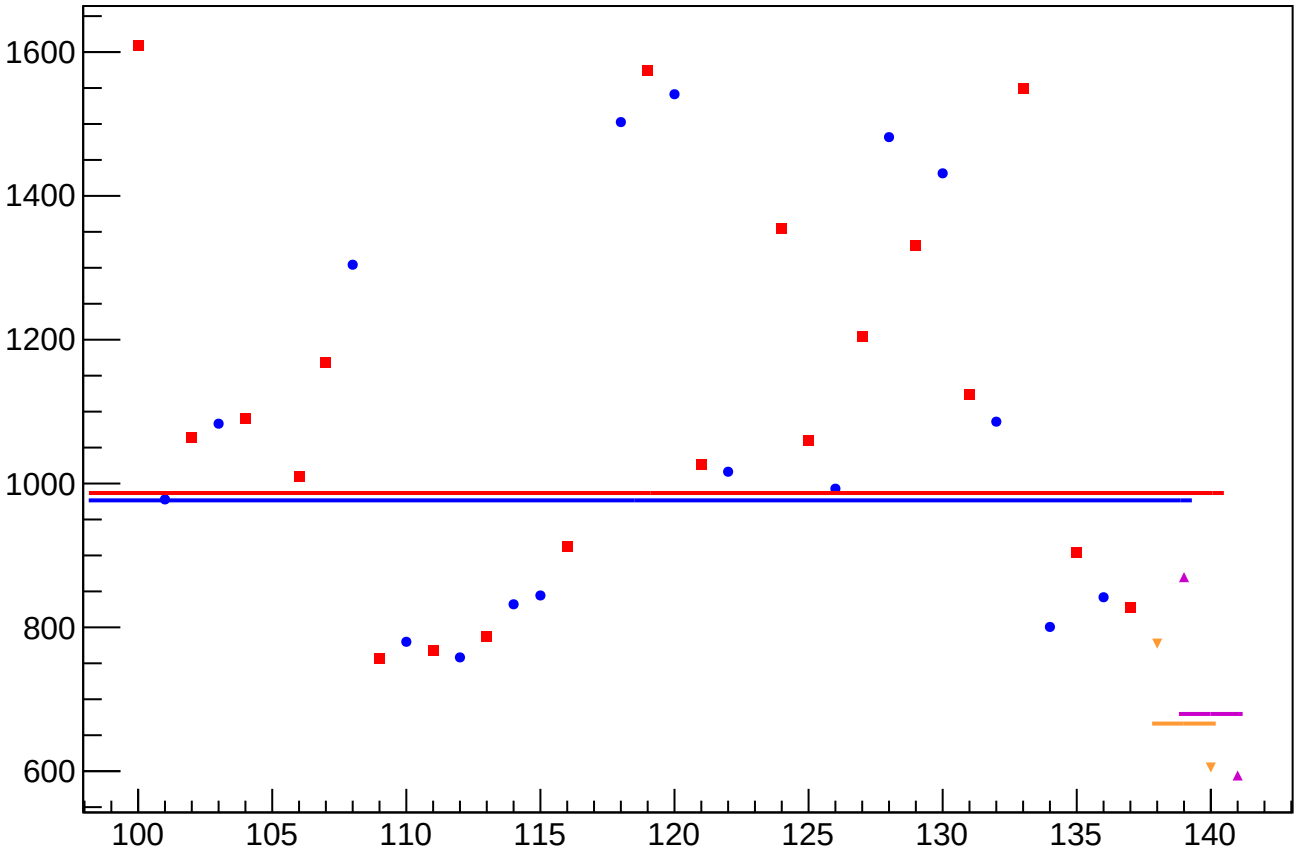
Left: -141.777+/-375.096 χ^2/NDF: 5.9/3

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -161.058+/-305.726 χ^2/NDF:27.4/17

Out: 328.006+/-305.673 χ^2/NDF:20.3/20

All: 83.516+/-216.162 χ^2/NDF: 48.9/38



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 666.210+/-0.377 χ^2/NDF:47817.7/1

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 679.567+/-0.373 χ^2/NDF:116837.9/1

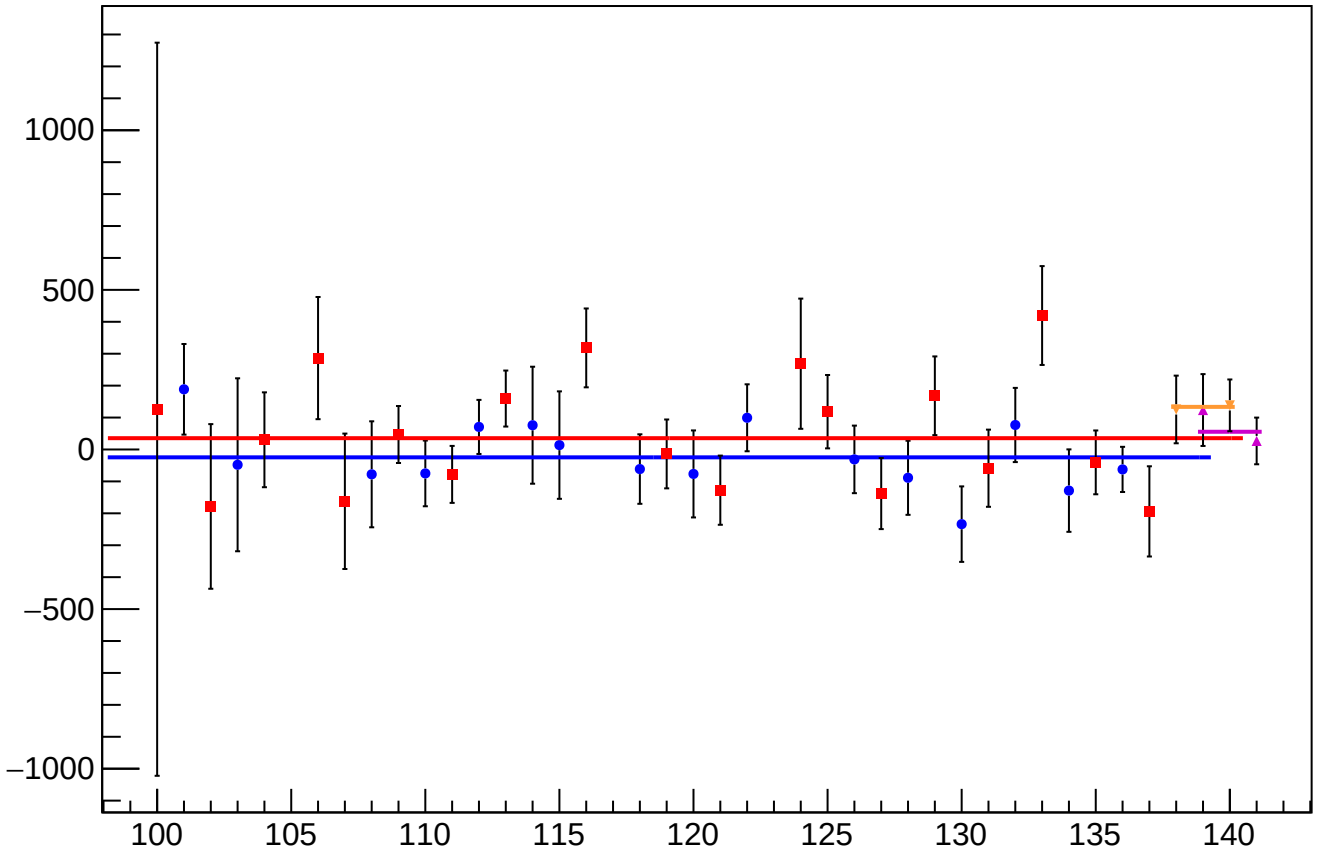
Left: 672.955+/-0.265 χ^2/NDF: 165289.5/3

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 876.951+/-0.216 χ^2/NDF:1274291.8/17

Out: 881.420+/-0.216 χ^2/NDF:1246682.0/20

All: 879.186+/-0.153 χ^2/NDF: 2521187.6/38



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 133.444+/-64.409 χ^2/NDF:0.0/1

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 55.483+/-61.307 χ^2/NDF:0.5/1

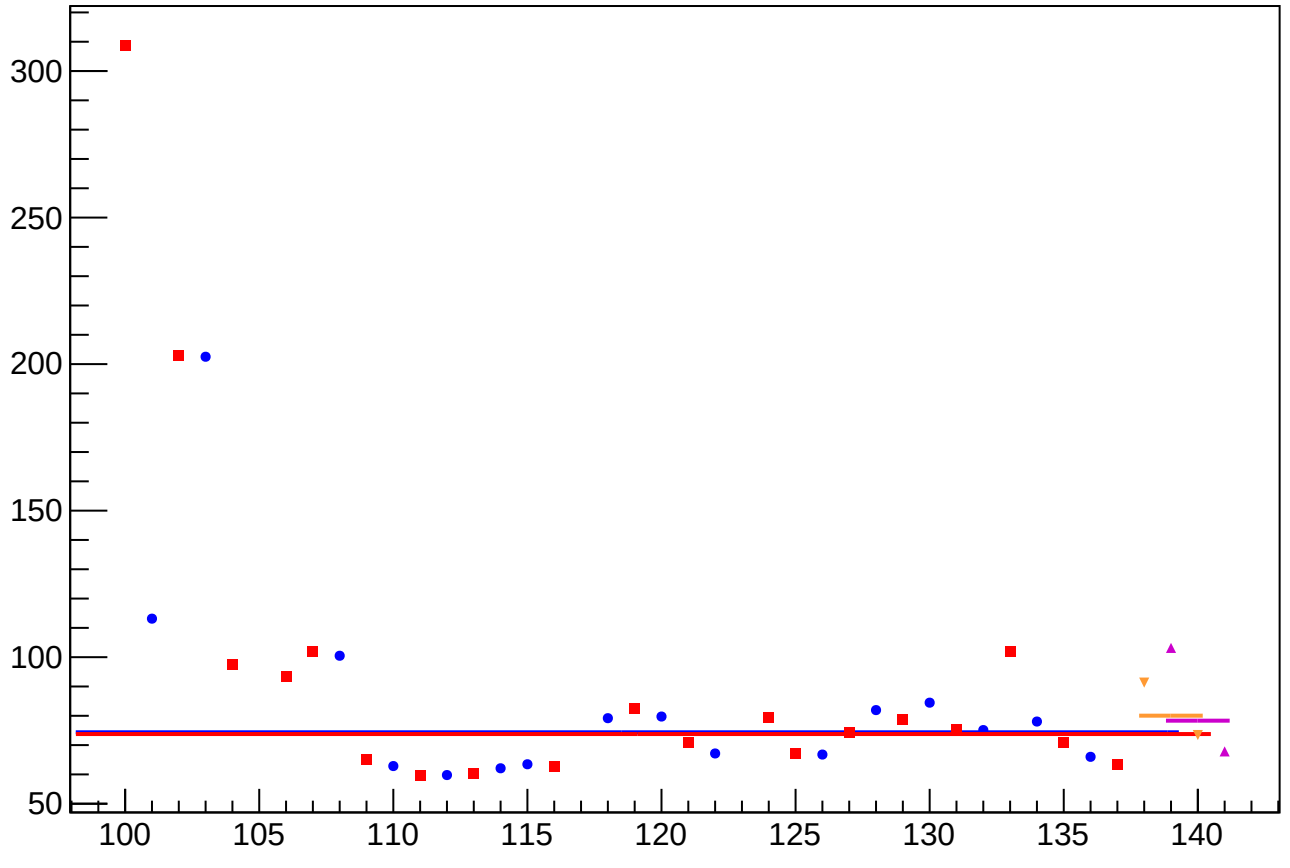
Left: 92.541+/-44.406 χ^2/NDF: 1.3/3

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: -10.062+/-26.150 χ^2/NDF:12.9/17

Out: 51.399+/-26.030 χ^2/NDF:32.0/20

All: 20.810+/-18.448 χ^2/NDF: 47.7/38



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 80.044+/-0.046 χ^2/NDF:35935.8/1

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 78.336+/-0.043 χ^2/NDF:138533.9/1

Left: 79.148+/-0.031 χ^2/NDF: 175207.3/3

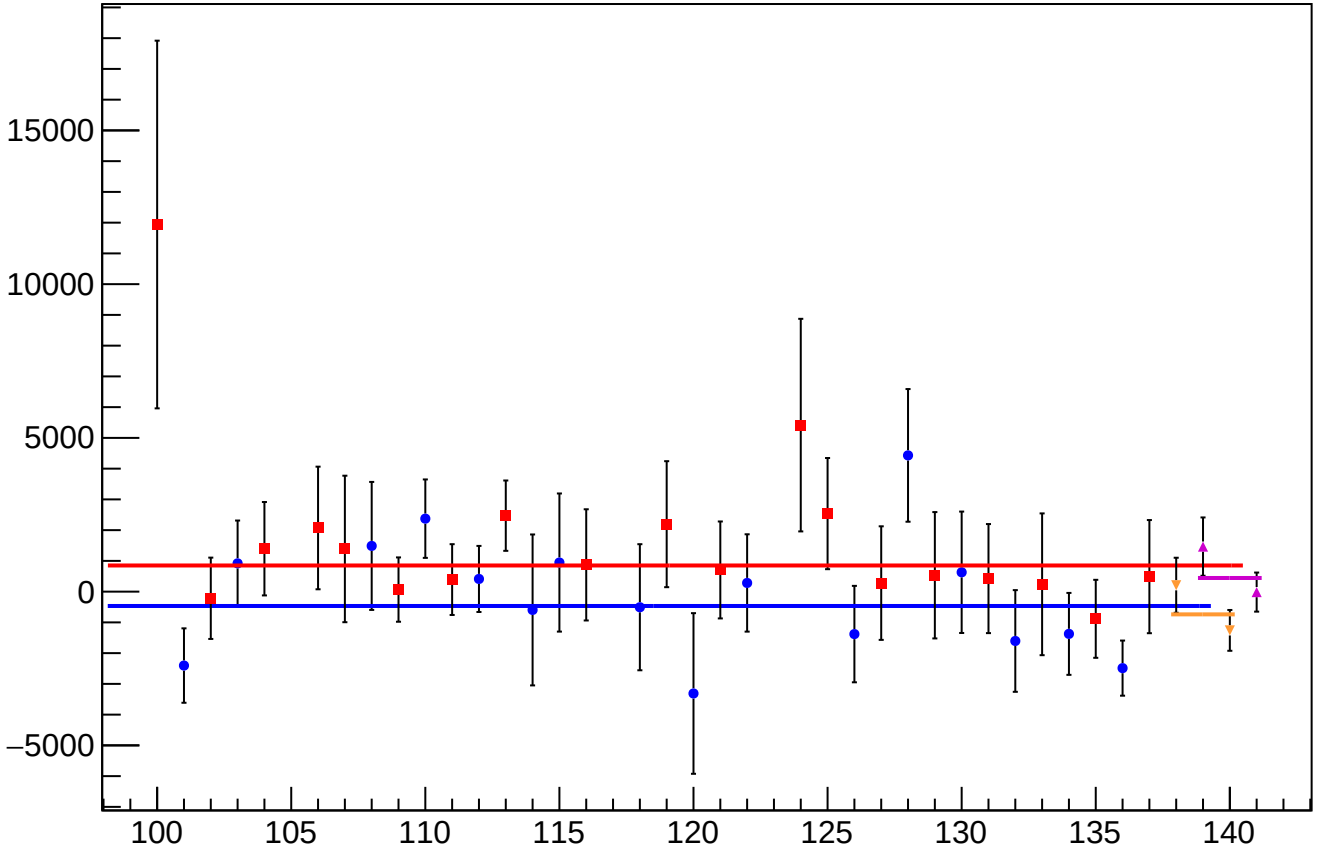
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 75.091+/-0.018 χ^2/NDF:972970.4/17

Out: 74.797+/-0.018 χ^2/NDF:979961.5/20

All: 74.943+/-0.013 χ^2/NDF: 1953058.5/38

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -739.343+/-533.116 χ^2/NDF:1.7/1

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 444.051+/-527.855 χ^2/NDF:1.7/1

Left: -141.777+/-375.096 χ^2/NDF: 5.9/3

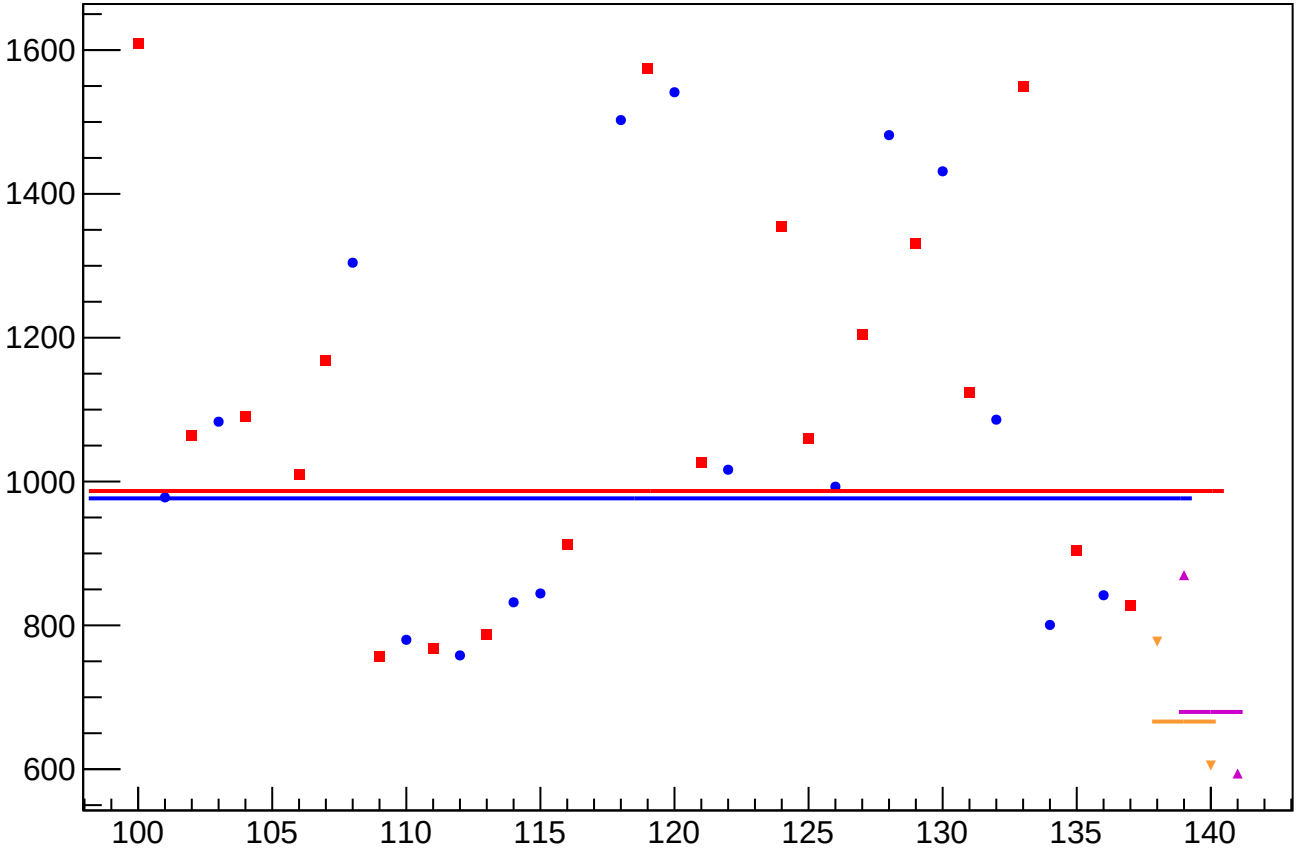
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -161.058+/-305.726 χ^2/NDF:27.4/17

Out: 328.006+/-305.673 χ^2/NDF:20.3/20

All: 83.516+/-216.162 χ^2/NDF: 48.9/38

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 666.210+/-0.377 χ^2/NDF:47817.7/1

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 679.567+/-0.373 χ^2/NDF:116837.9/1

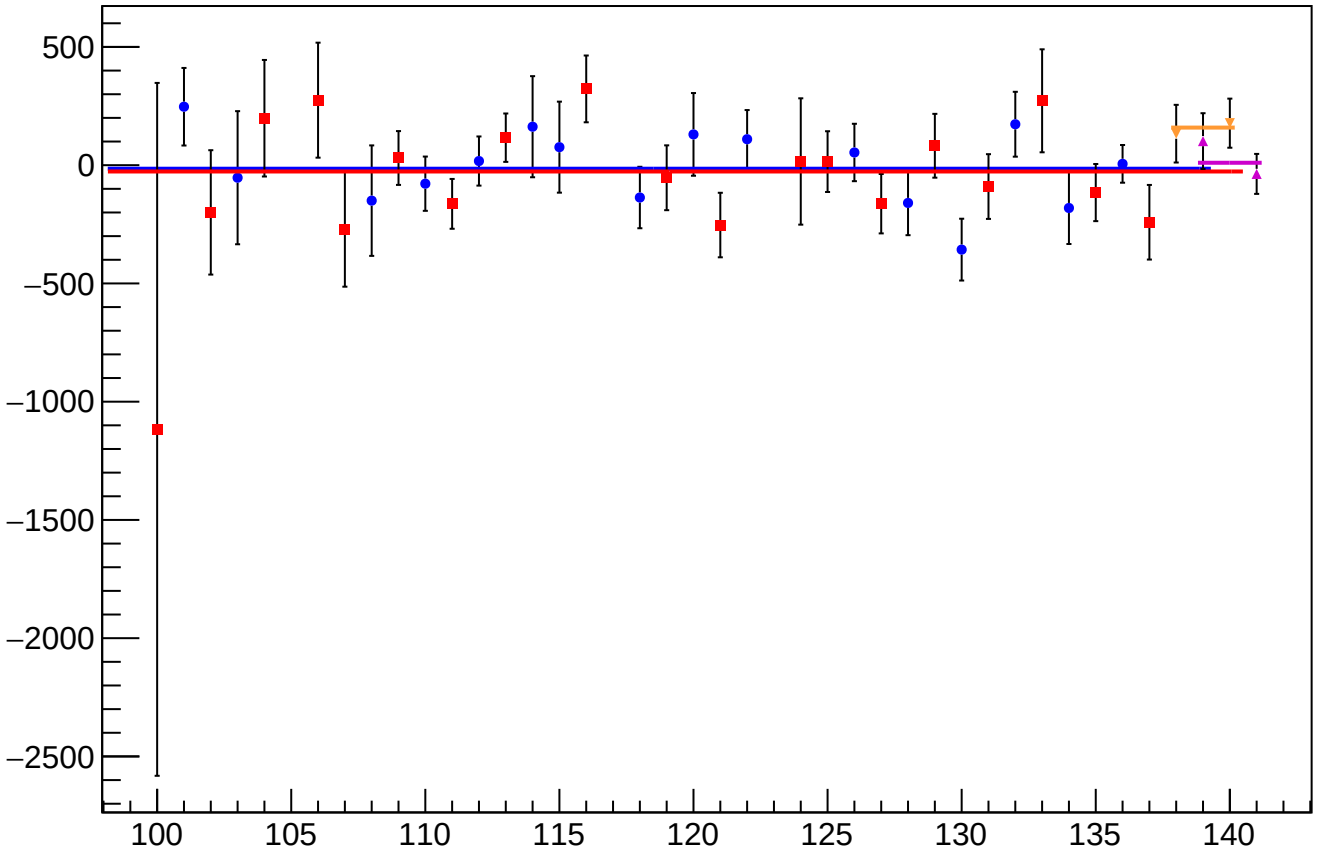
Left: 672.955+/-0.265 χ^2/NDF: 165289.5/3

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 876.951+/-0.216 χ^2/NDF:1274291.8/17

Out: 881.420+/-0.216 χ^2/NDF:1246682.0/20

All: 879.186+/-0.153 χ^2/NDF: 2521187.6/38



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 158.969+/-79.030 χ^2/NDF:0.1/1

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 10.233+/-68.697 χ^2/NDF:0.9/1

Left: 74.248+/-51.847 χ^2/NDF: 3.0/3

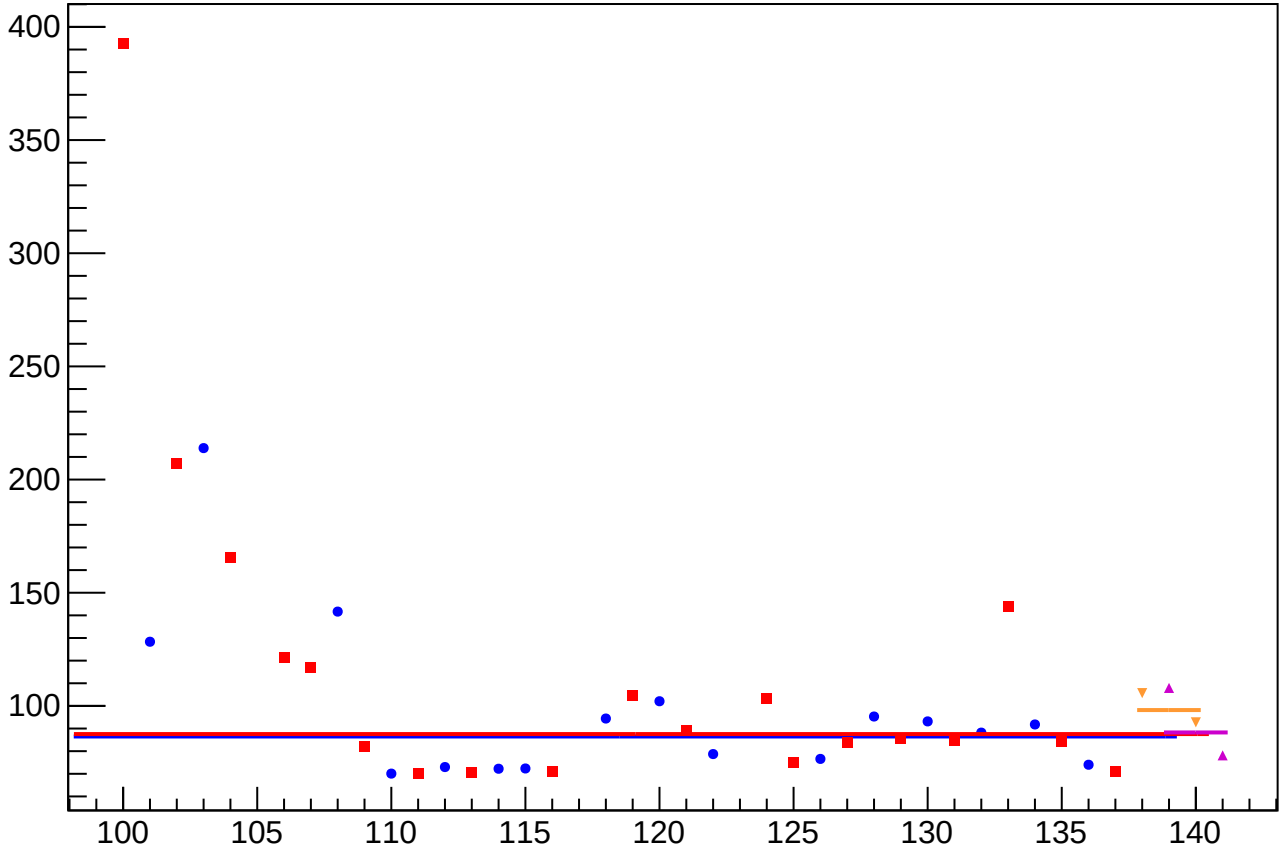
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: -10.054+/-30.300 χ^2/NDF:19.3/17

Out: 2.441+/-31.289 χ^2/NDF:28.3/20

All: -4.007+/-21.766 χ^2/NDF: 47.7/38

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 98.160+/-0.056 χ^2/NDF:13003.1/1

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 88.269+/-0.049 χ^2/NDF:84356.3/1

Left: 92.526+/-0.037 χ^2/NDF: 115202.7/3

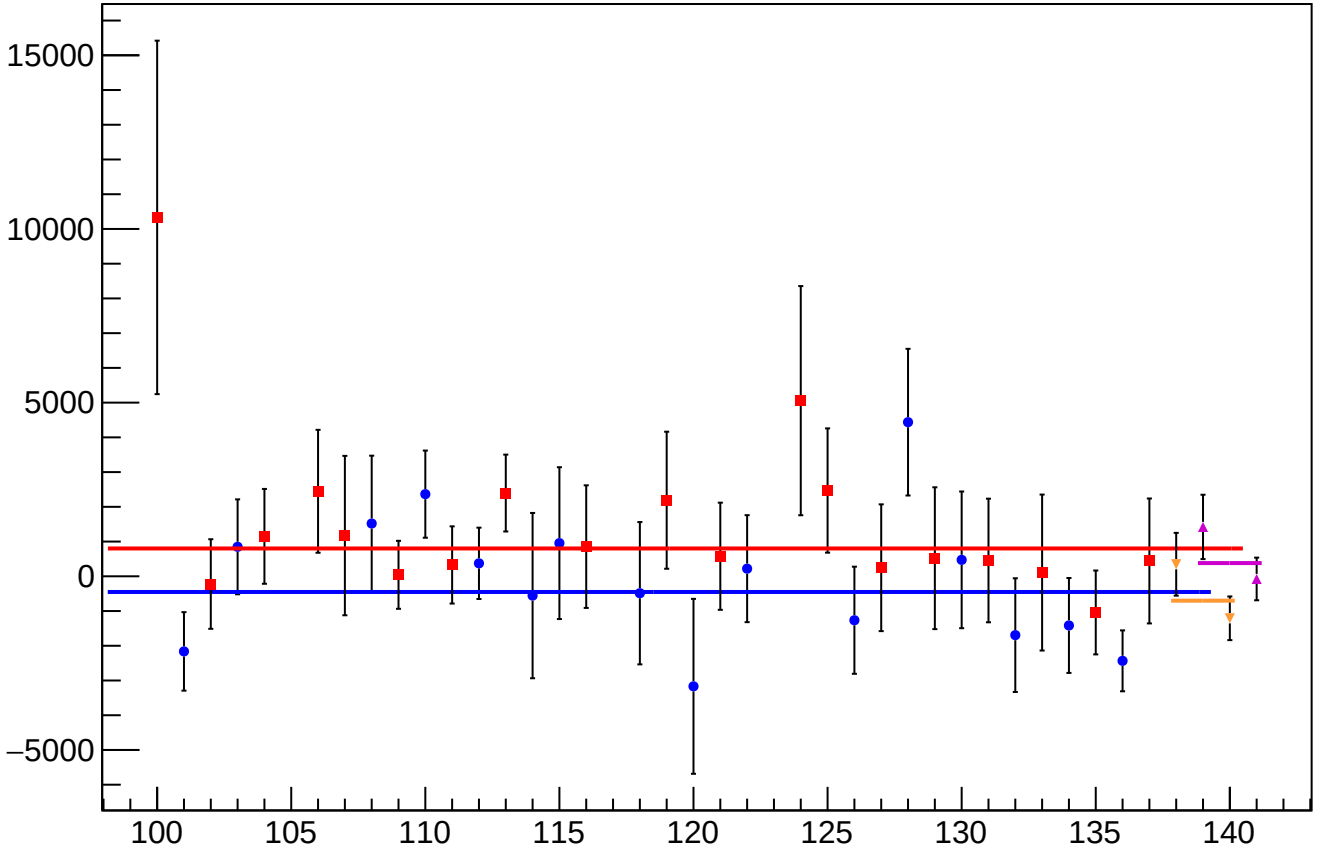
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 86.835+/-0.021 χ^2/NDF:941695.9/17

Out: 89.217+/-0.022 χ^2/NDF:1173166.9/20

All: 87.988+/-0.015 χ^2/NDF: 2120842.6/38

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -701.723+/-516.106 χ^2/NDF:2.0/1

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 380.719+/-511.853 χ^2/NDF:1.8/1

Left: -156.023+/-363.429 χ^2/NDF: 6.0/3

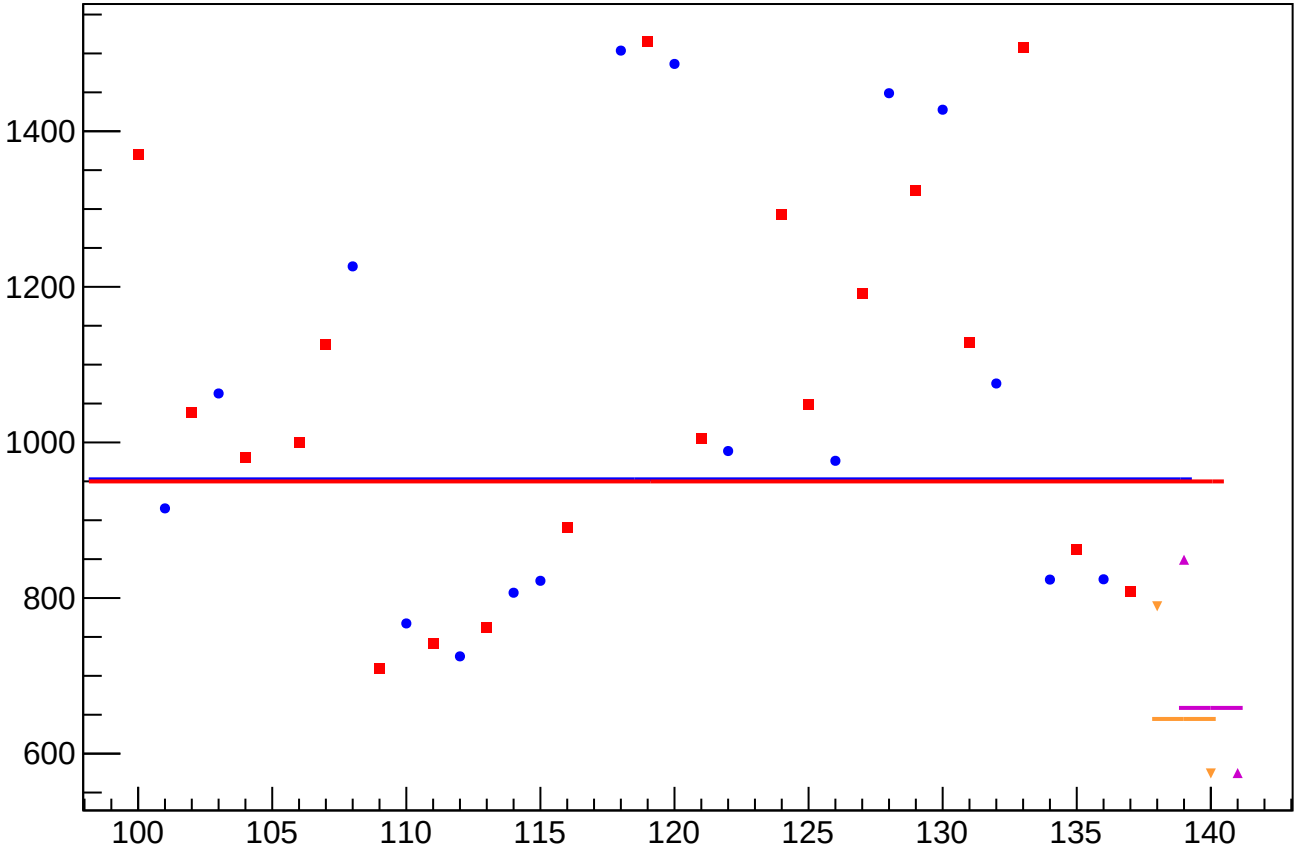
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -170.269+/-297.506 χ^2/NDF:27.3/17

Out: 313.222+/-294.085 χ^2/NDF:21.3/20

All: 74.273+/-209.148 χ^2/NDF: 50.0/38

asym_sam_37_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 644.585+/-0.365 χ^2/NDF:76156.9/1

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 658.772+/-0.362 χ^2/NDF:121721.4/1

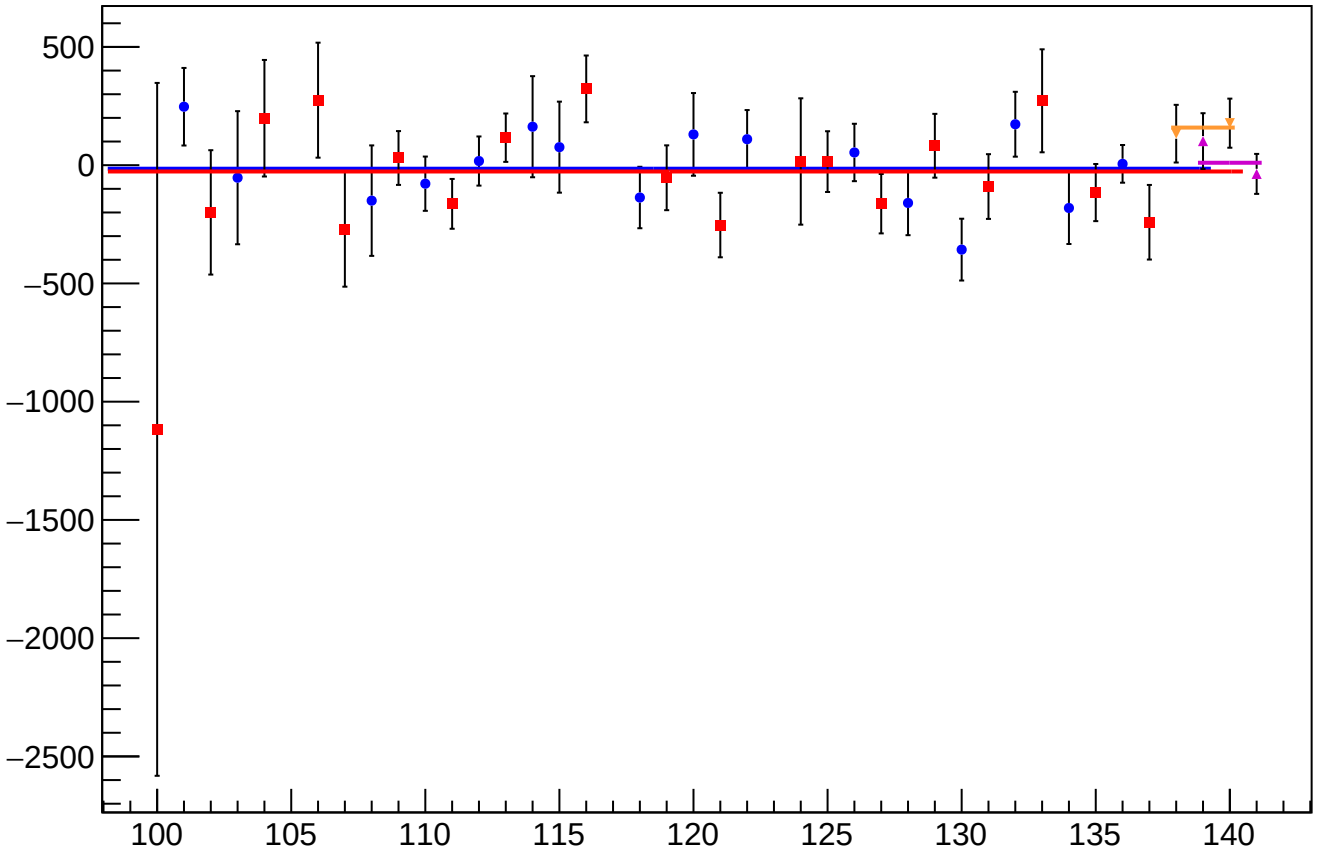
Left: 651.737+/-0.257 χ^2/NDF: 198640.1/3

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 853.302+/-0.210 χ^2/NDF:1304332.6/17

Out: 850.762+/-0.208 χ^2/NDF:1300468.9/20

All: 852.018+/-0.148 χ^2/NDF: 2604875.3/38



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 158.968+/-79.030 χ^2/NDF:0.1/1

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 10.235+/-68.697 χ^2/NDF:0.9/1

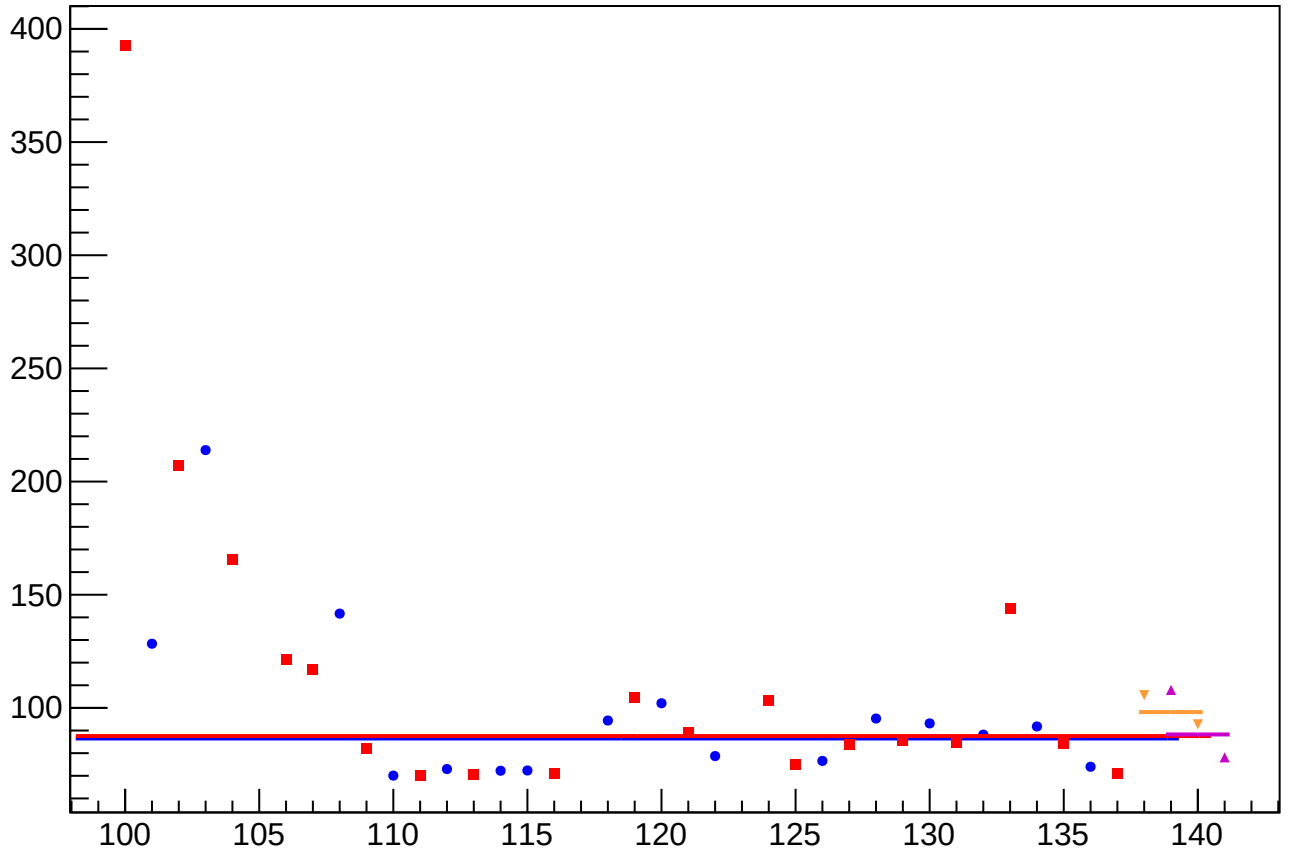
Left: 74.249+/-51.847 χ^2/NDF: 3.0/3

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: -10.054+/-30.300 χ^2/NDF:19.3/17

Out: 2.438+/-31.289 χ^2/NDF:28.3/20

All: -4.008+/-21.766 χ^2/NDF: 47.7/38



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 98.160+/-0.056 χ^2/NDF:13002.6/1

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 88.269+/-0.049 χ^2/NDF:84354.7/1

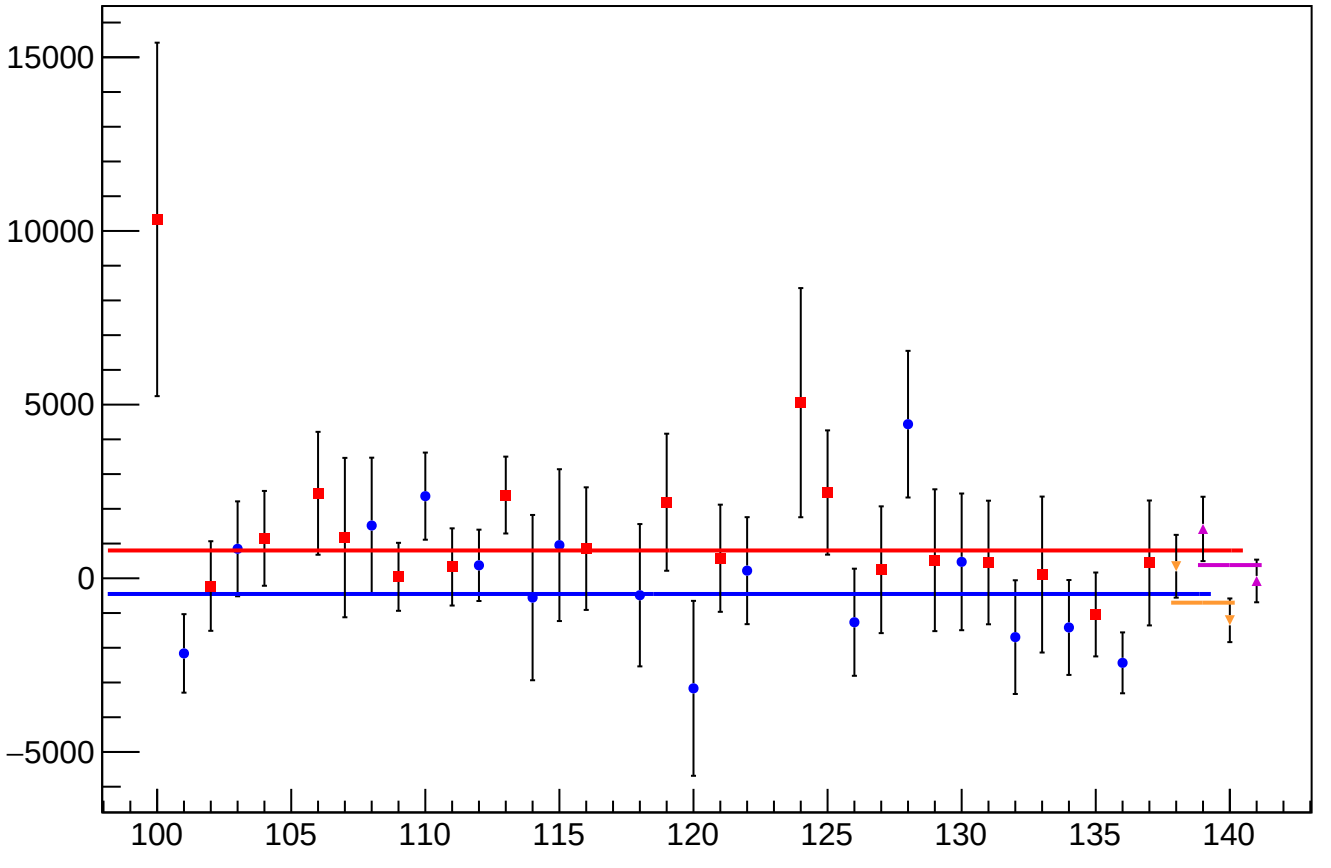
Left: 92.526+/-0.037 χ^2/NDF: 115200.6/3

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 86.836+/-0.021 χ^2/NDF:941685.6/17

Out: 89.217+/-0.022 χ^2/NDF:1173162.6/20

All: 87.988+/-0.015 χ^2/NDF: 2120828.5/38



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -701.725+/-516.106 χ^2/NDF:2.0/1

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 380.720+/-511.852 χ^2/NDF:1.8/1

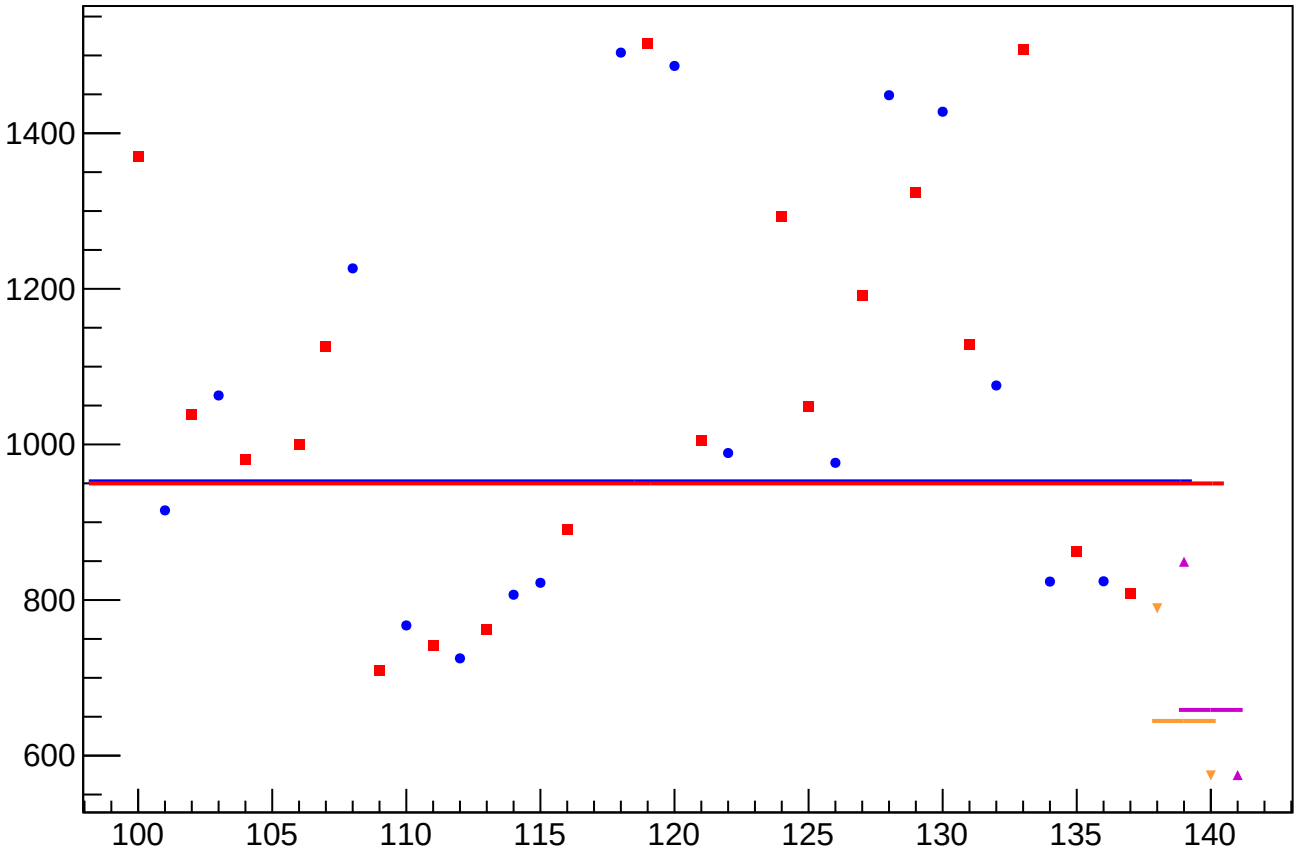
Left: -156.024+/-363.429 χ^2/NDF: 6.0/3

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -170.268+/-297.506 χ^2/NDF:27.3/17

Out: 313.223+/-294.084 χ^2/NDF:21.3/20

All: 74.274+/-209.148 χ^2/NDF: 50.0/38



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 644.585+/-0.365 χ^2/NDF:76157.8/1

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 658.771+/-0.362 χ^2/NDF:121722.2/1

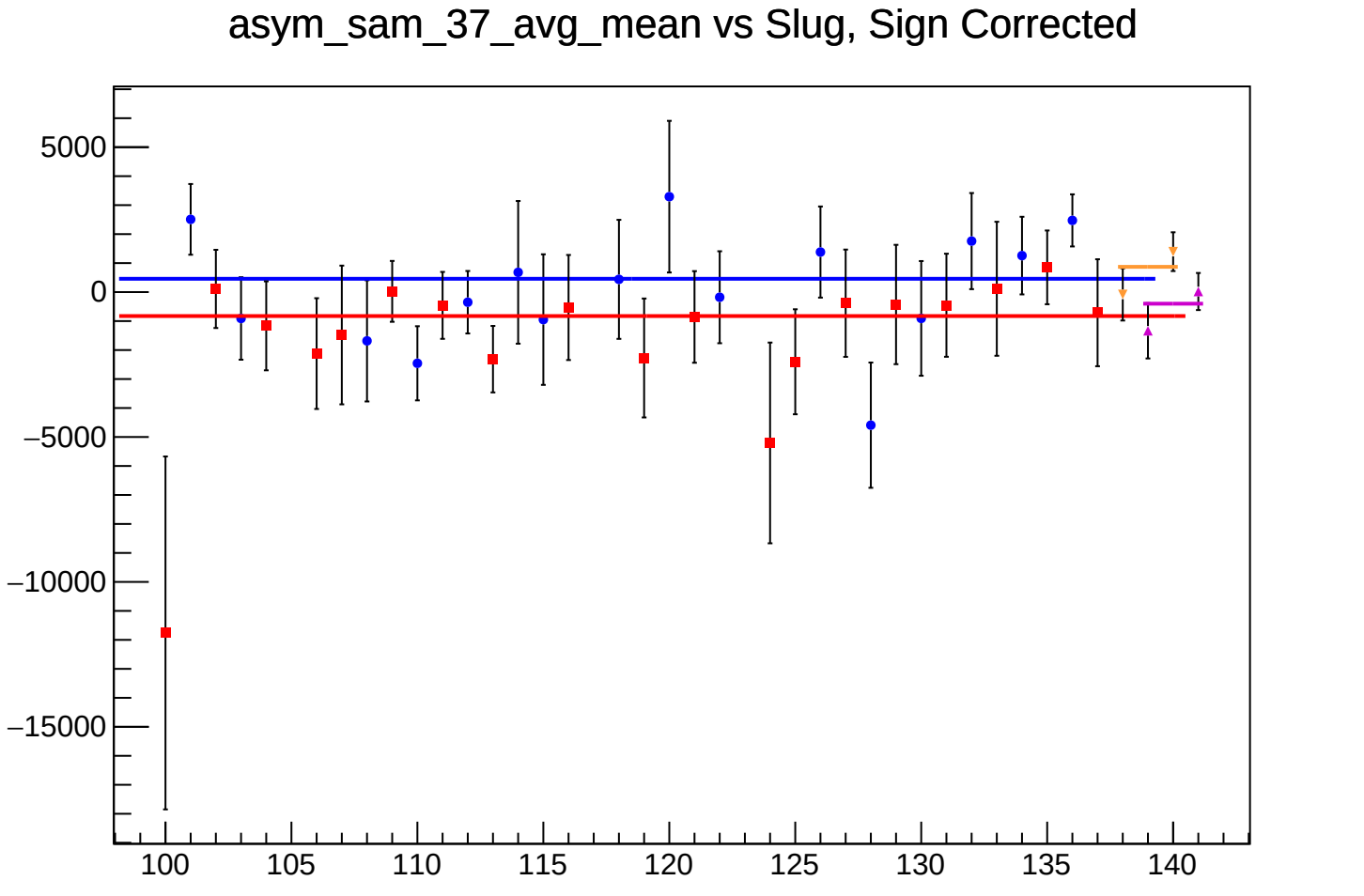
Left: 651.737+/-0.257 χ^2/NDF: 198641.8/3

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 853.301+/-0.210 χ^2/NDF:1304332.8/17

Out: 850.761+/-0.208 χ^2/NDF:1300464.9/20

All: 852.016+/-0.148 χ^2/NDF: 2604871.4/38



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 871.033+/-537.093 χ^2/NDF:1.7/1

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -400.506+/-531.475 χ^2/NDF:1.4/1

Left: 228.578+/-377.780 χ^2/NDF: 5.9/3

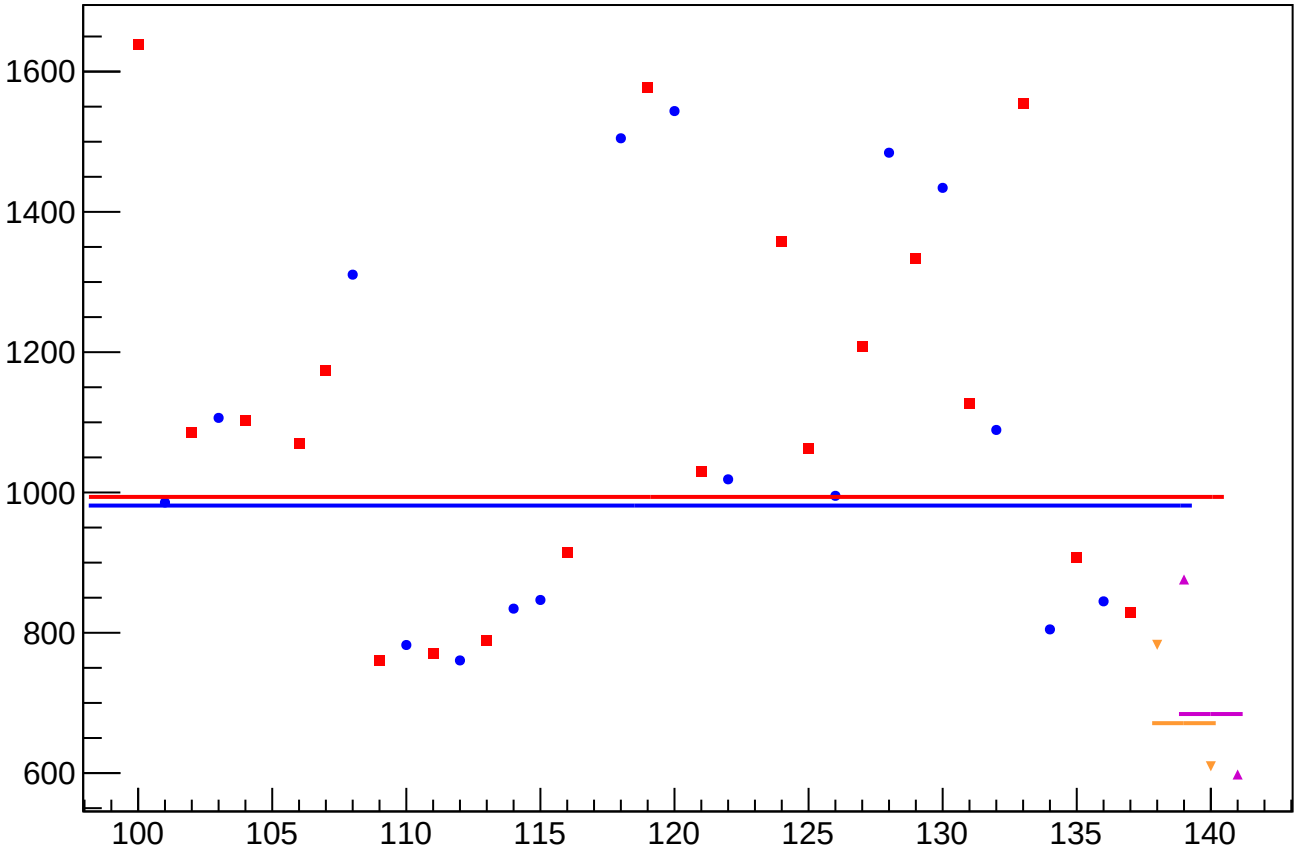
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 171.508+/-307.425 χ^2/NDF:27.7/17

Out: -271.705+/-307.054 χ^2/NDF:20.1/20

All: -50.366+/-217.251 χ^2/NDF: 48.9/38

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 671.156+/-0.380 χ^2/NDF:47606.8/1

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 684.186+/-0.376 χ^2/NDF:117040.7/1

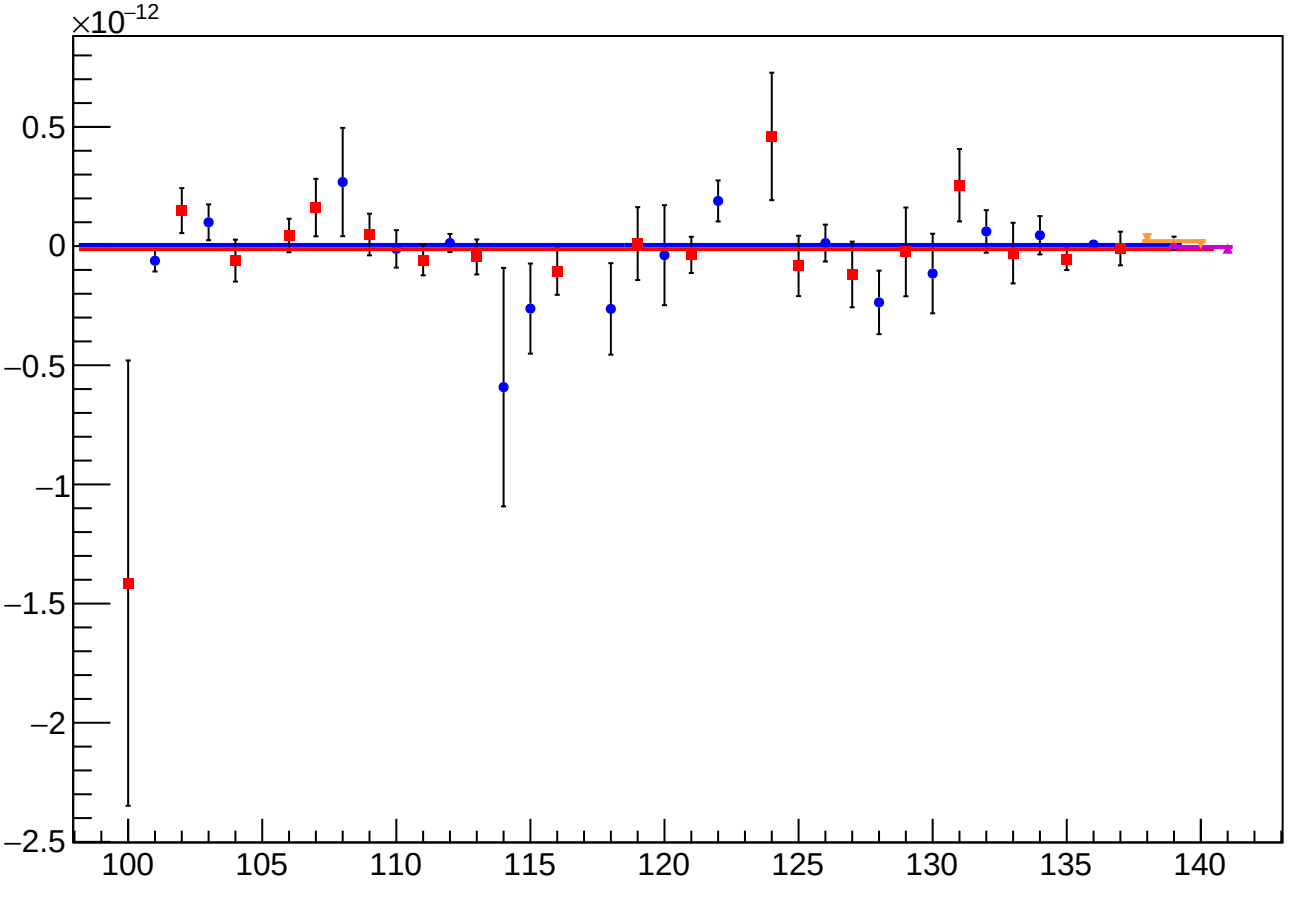
Left: 677.739+/-0.267 χ^2/NDF: 165242.2/3

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 881.921+/-0.217 χ^2/NDF:1270715.7/17

Out: 888.270+/-0.217 χ^2/NDF:1252903.2/20

All: 885.099+/-0.154 χ^2/NDF: 2524046.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/1

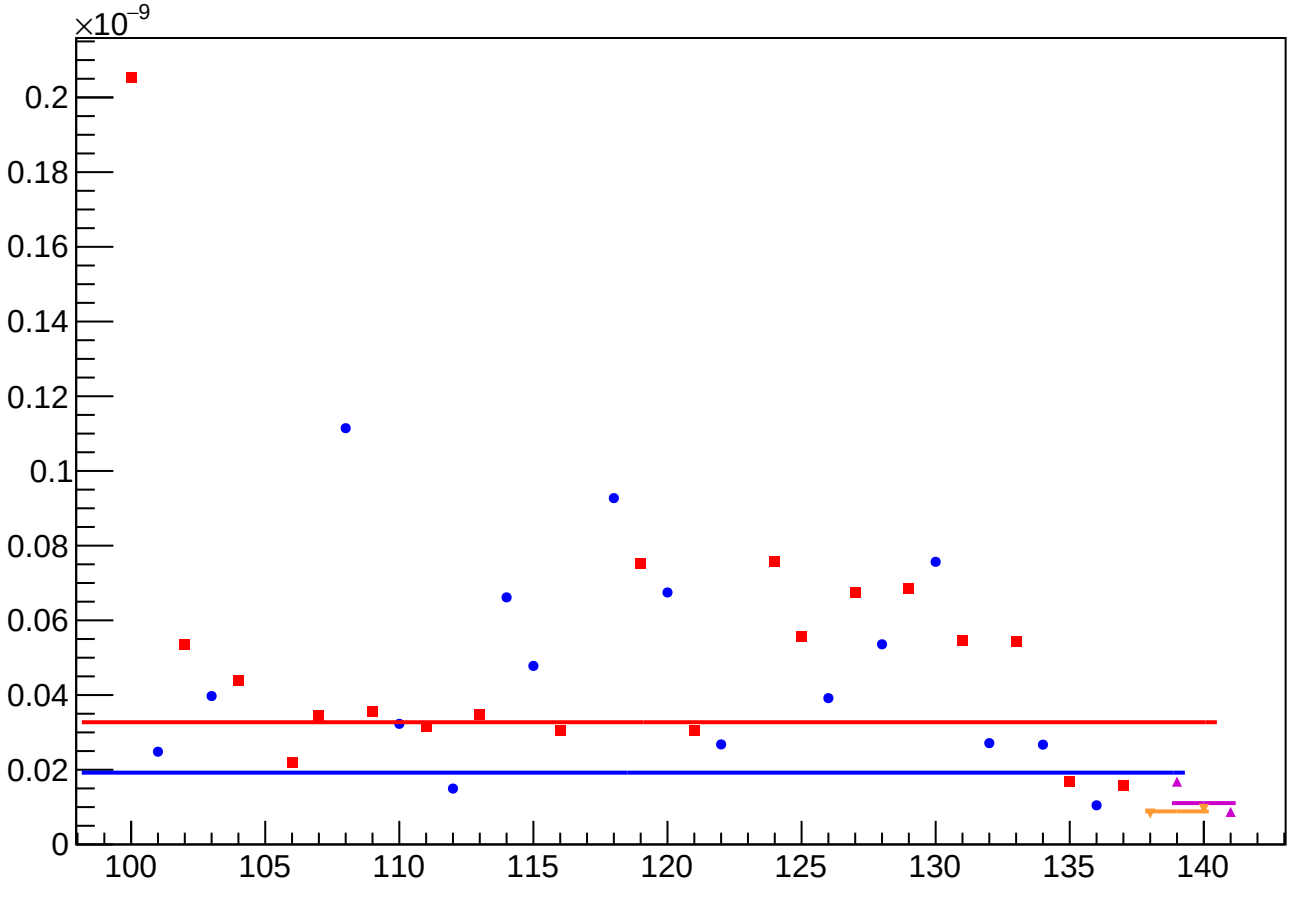
Left: 0.000+/-0.000 χ^2/NDF: 3.0/3

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:20.3/17

Out: 0.000+/-0.000 χ^2/NDF:21.3/20

All: 0.000+/-0.000 χ^2/NDF: 42.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4856.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:122096.5/1

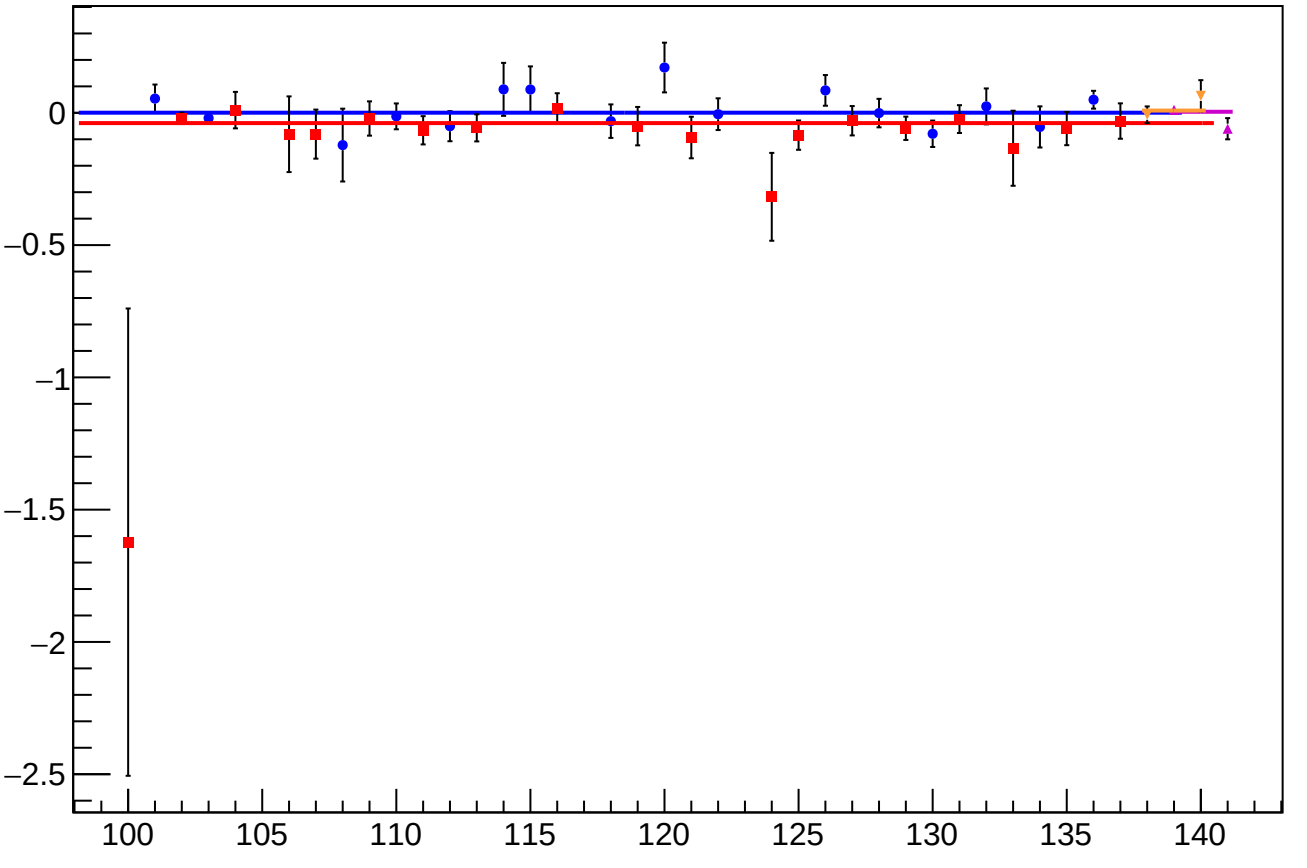
Left: 0.000+/-0.000 χ^2/NDF: 152432.8/3

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:2408701.9/17

Out: 0.000+/-0.000 χ^2/NDF:3108281.8/20

All: 0.000+/-0.000 χ^2/NDF: 5517120.9/38



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.028 χ^2/NDF:1.1/1

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.013 χ^2/NDF:2.8/1

Left: 0.005+/-0.012 χ^2/NDF: 4.0/3

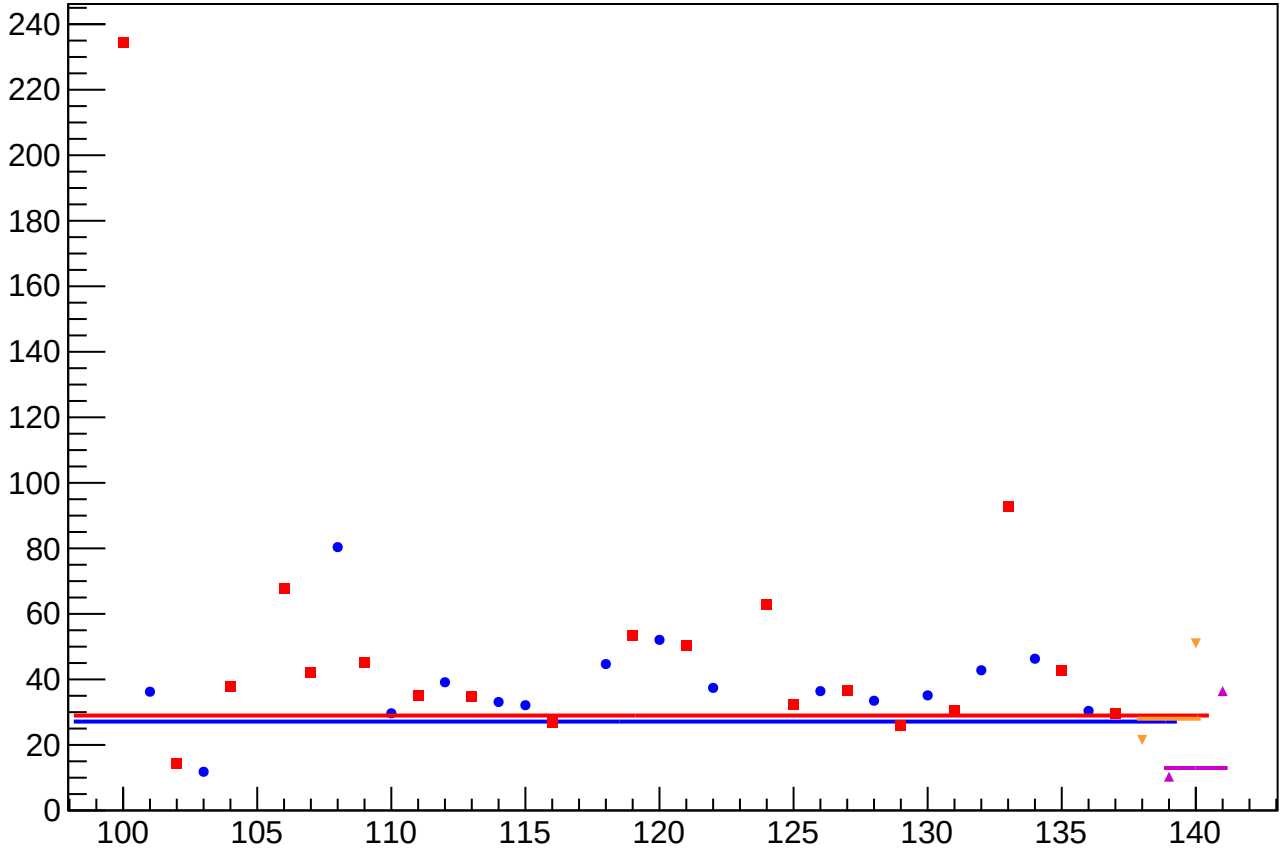
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.009 χ^2/NDF:19.4/17

Out: -0.031+/-0.011 χ^2/NDF:14.6/20

All: -0.010+/-0.007 χ^2/NDF: 39.2/38

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.003+/-0.020 χ^2/NDF:386816.0/1

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 12.961+/-0.009 χ^2/NDF:763978.4/1

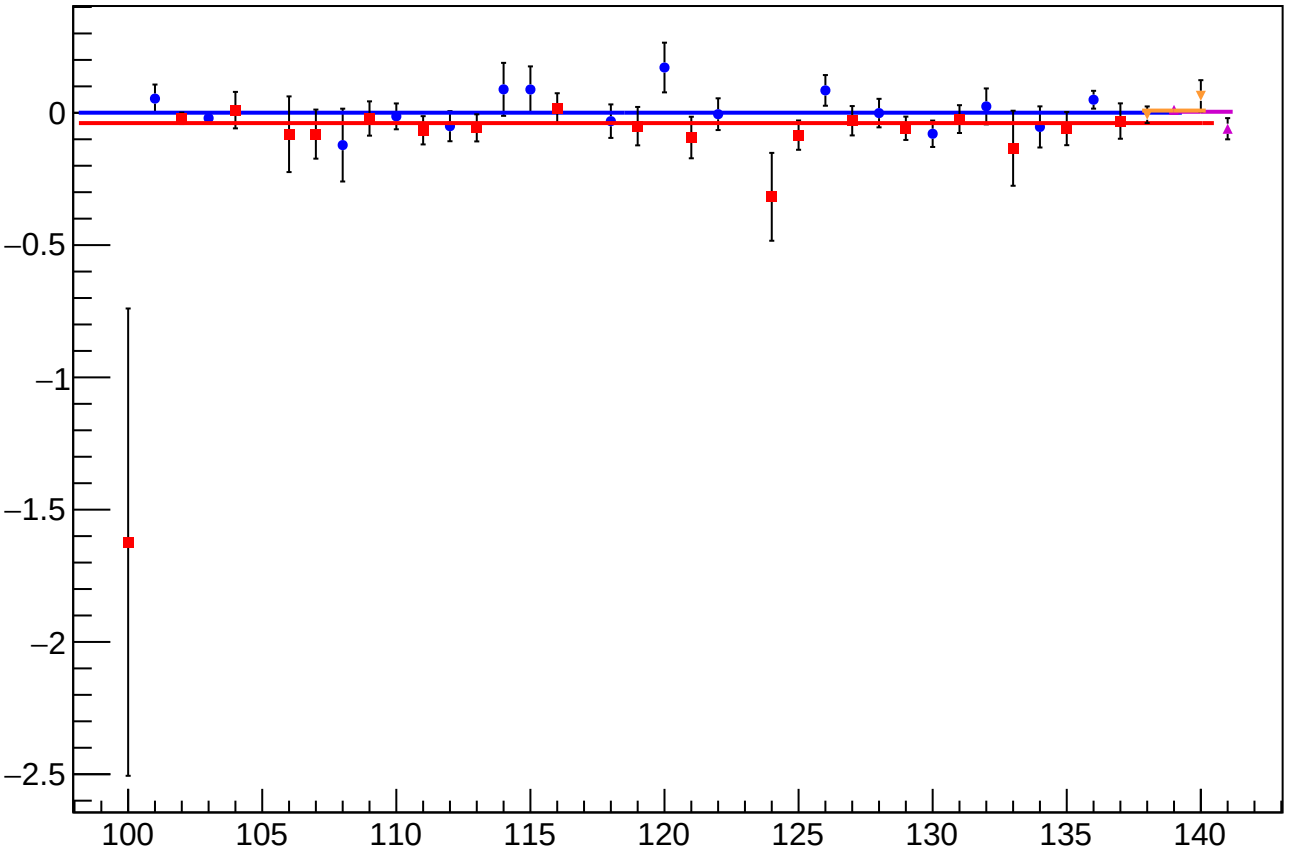
Left: 15.581+/-0.008 χ^2/NDF: 1636886.5/3

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 20.445+/-0.006 χ^2/NDF:4487081.7/17

Out: 28.811+/-0.008 χ^2/NDF:2845120.9/20

All: 23.511+/-0.005 χ^2/NDF: 8002901.3/38



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.028 χ^2/NDF:1.1/1

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.013 χ^2/NDF:2.8/1

Left: 0.005+/-0.012 χ^2/NDF: 4.0/3

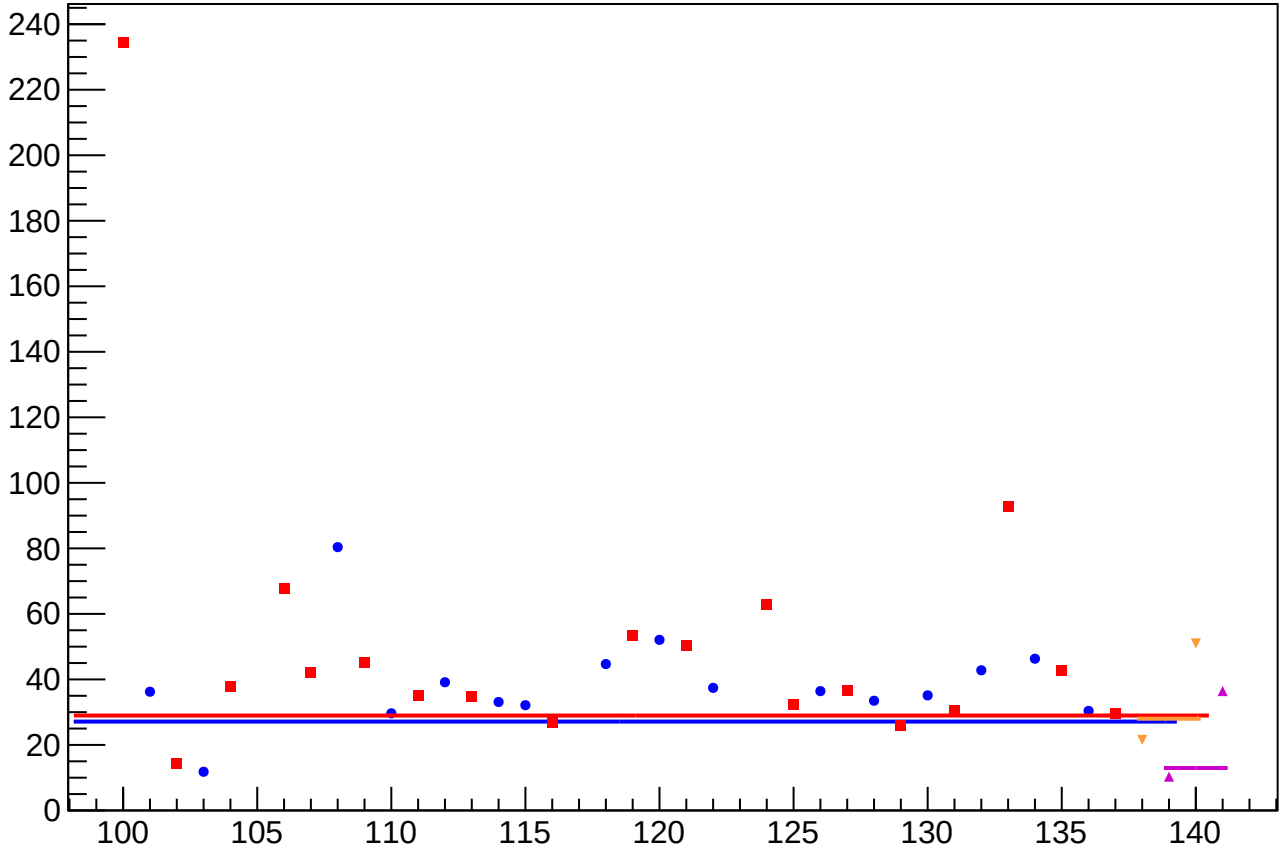
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.009 χ^2/NDF:19.4/17

Out: -0.031+/-0.011 χ^2/NDF:14.6/20

All: -0.010+/-0.007 χ^2/NDF: 39.2/38

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.003+/-0.020 χ^2/NDF:386816.0/1

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 12.961+/-0.009 χ^2/NDF:763978.4/1

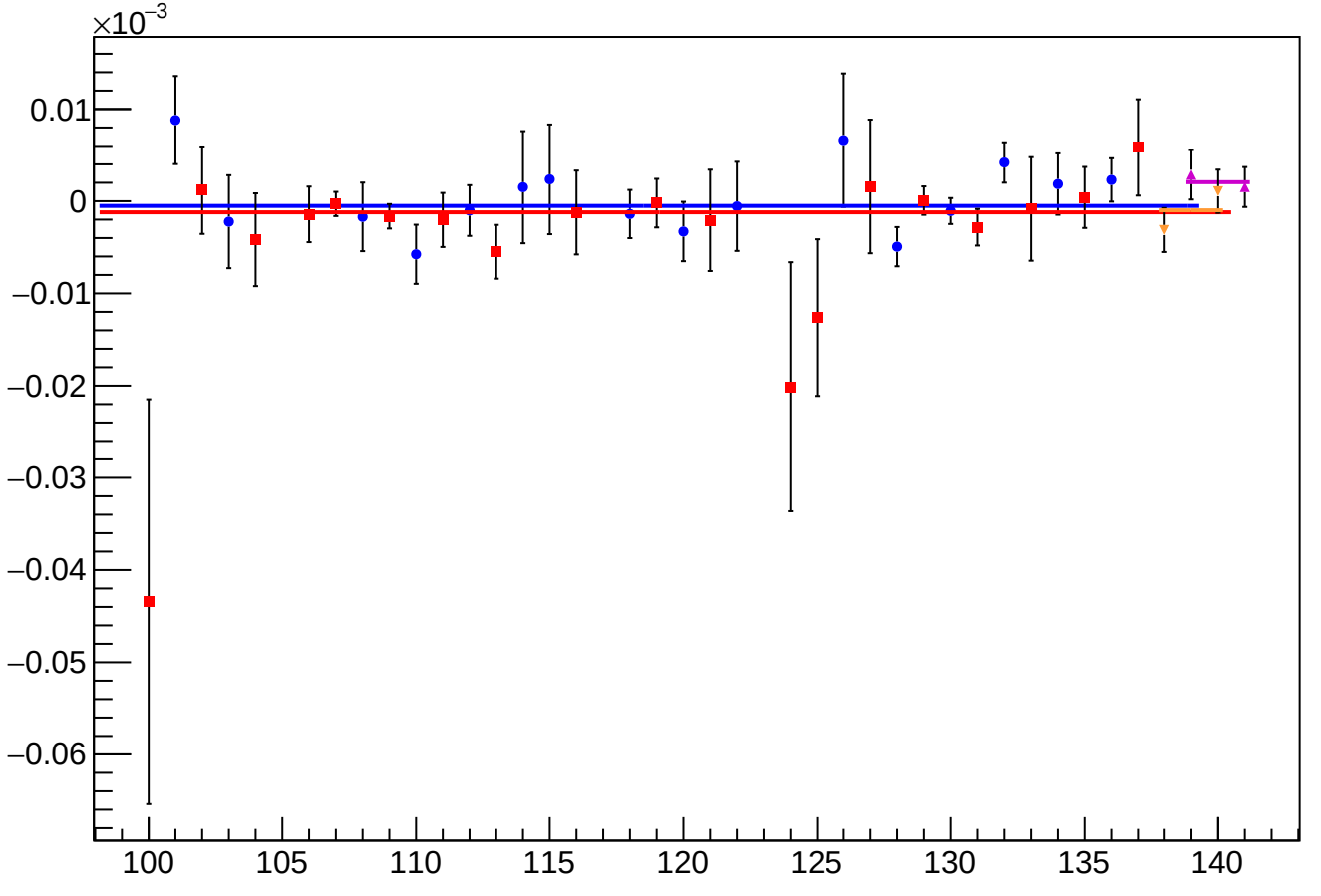
Left: 15.581+/-0.008 χ^2/NDF: 1636886.5/3

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 20.445+/-0.006 χ^2/NDF:4487081.7/17

Out: 28.811+/-0.008 χ^2/NDF:2845120.9/20

All: 23.511+/-0.005 χ^2/NDF: 8002901.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

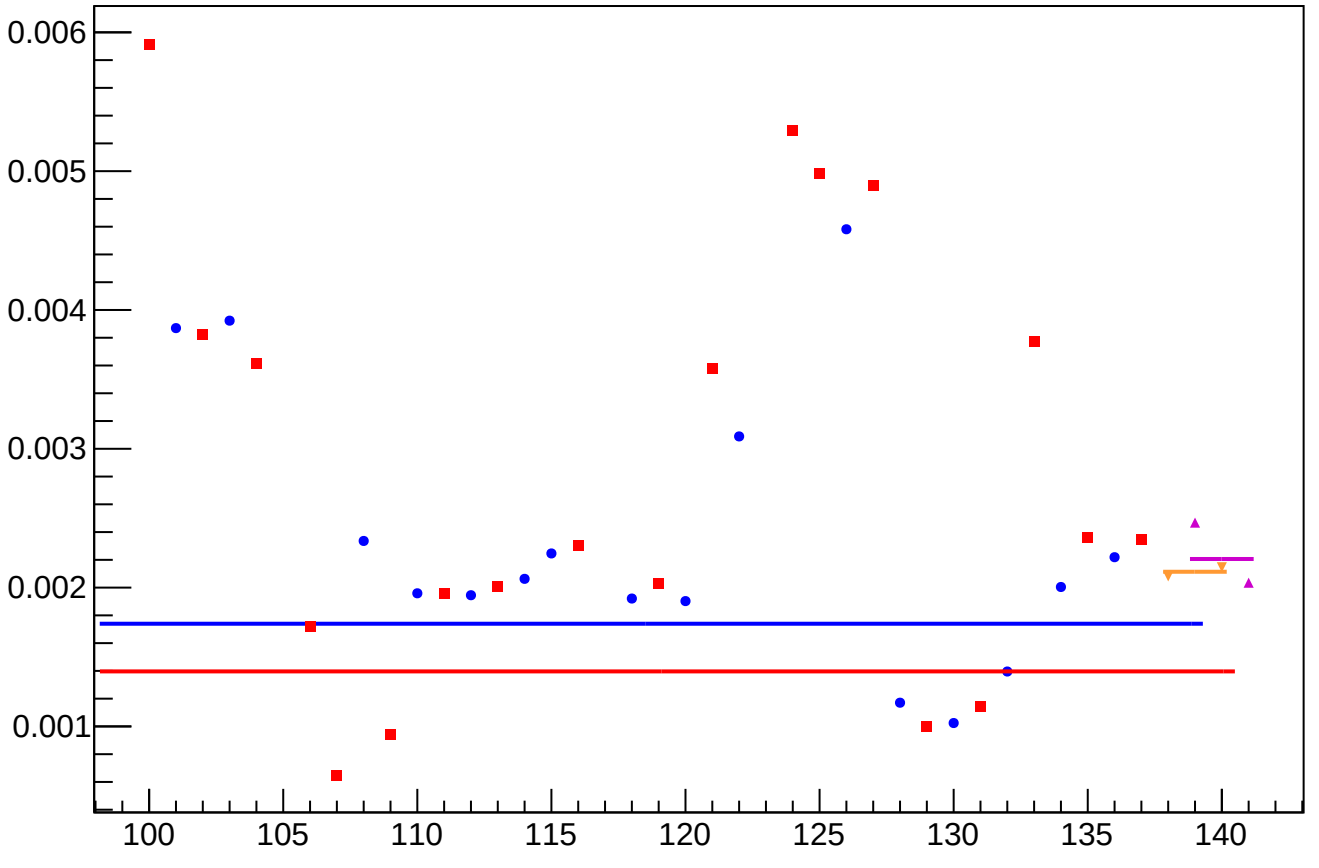
Left: 0.000+/-0.000 χ^2/NDF: 3.4/3

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:22.1/17

Out: -0.000+/-0.000 χ^2/NDF:16.2/20

All: -0.000+/-0.000 χ^2/NDF: 39.8/38



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:774.4/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:31460.8/1

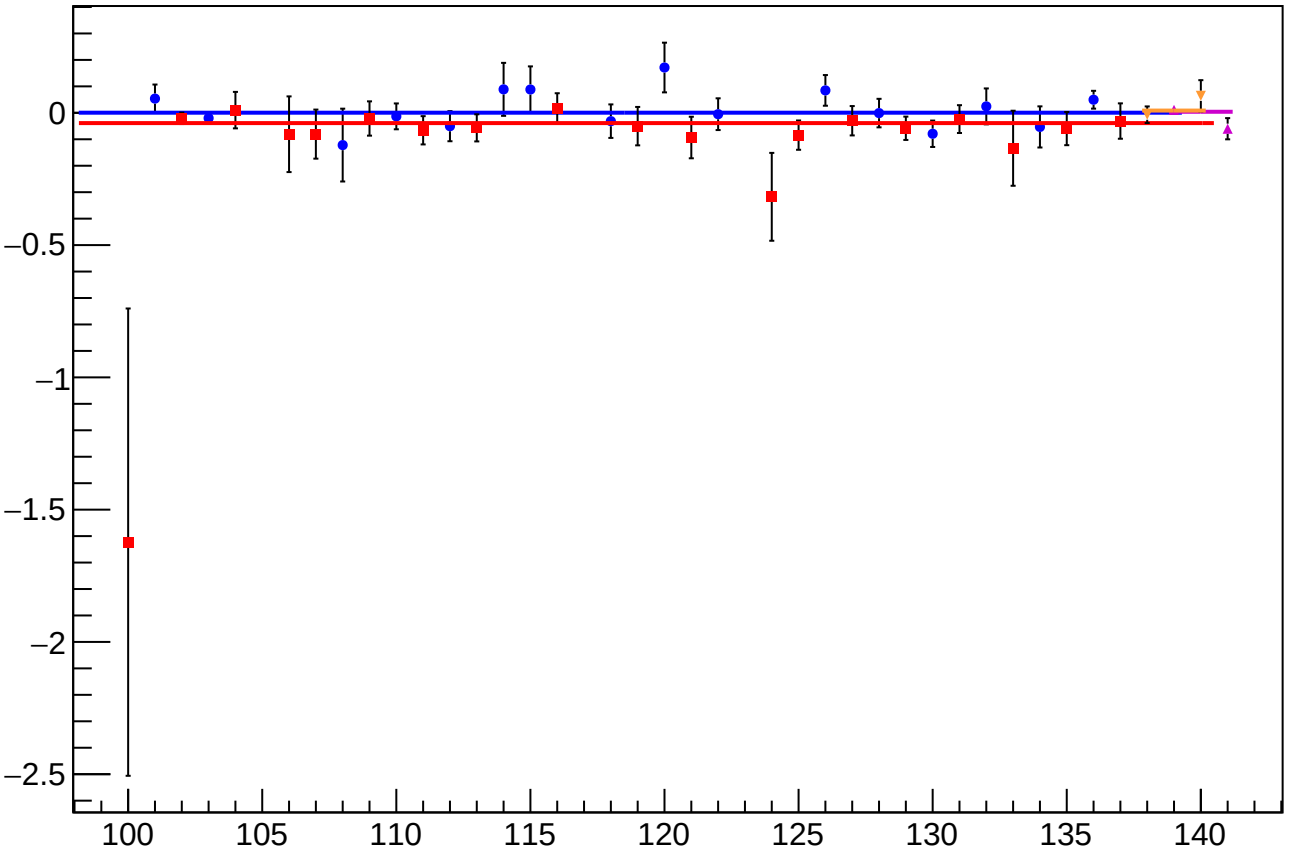
Left: 0.002+/-0.000 χ^2/NDF: 35236.7/3

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2307776.7/17

Out: 0.001+/-0.000 χ^2/NDF:4649134.3/20

All: 0.002+/-0.000 χ^2/NDF: 7241471.3/38



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.028 χ^2/NDF:1.1/1

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.013 χ^2/NDF:2.8/1

Left: 0.005+/-0.012 χ^2/NDF: 4.0/3

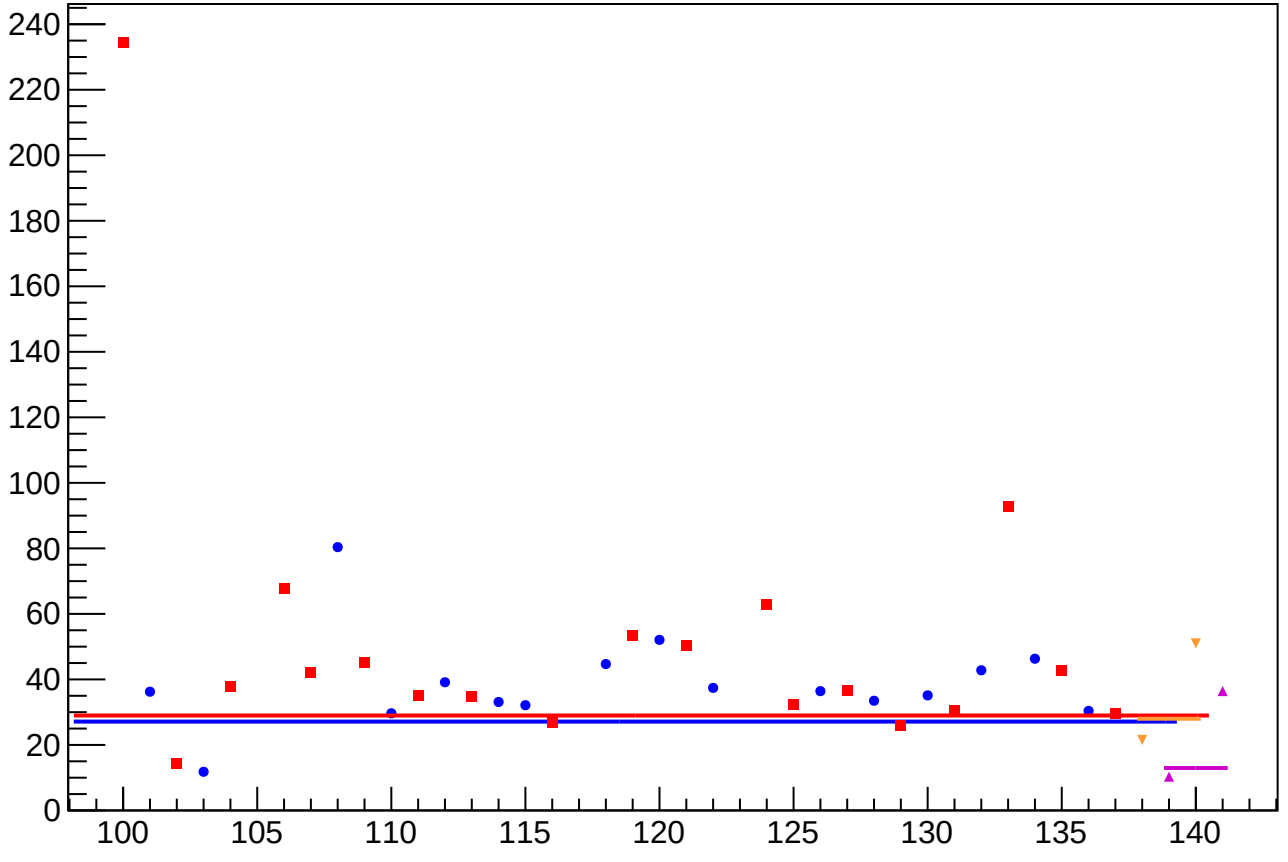
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.009 χ^2/NDF:19.4/17

Out: -0.031+/-0.011 χ^2/NDF:14.6/20

All: -0.010+/-0.007 χ^2/NDF: 39.2/38

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.999+/-0.020 χ^2/NDF:386934.5/1

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 12.960+/-0.009 χ^2/NDF:764071.4/1

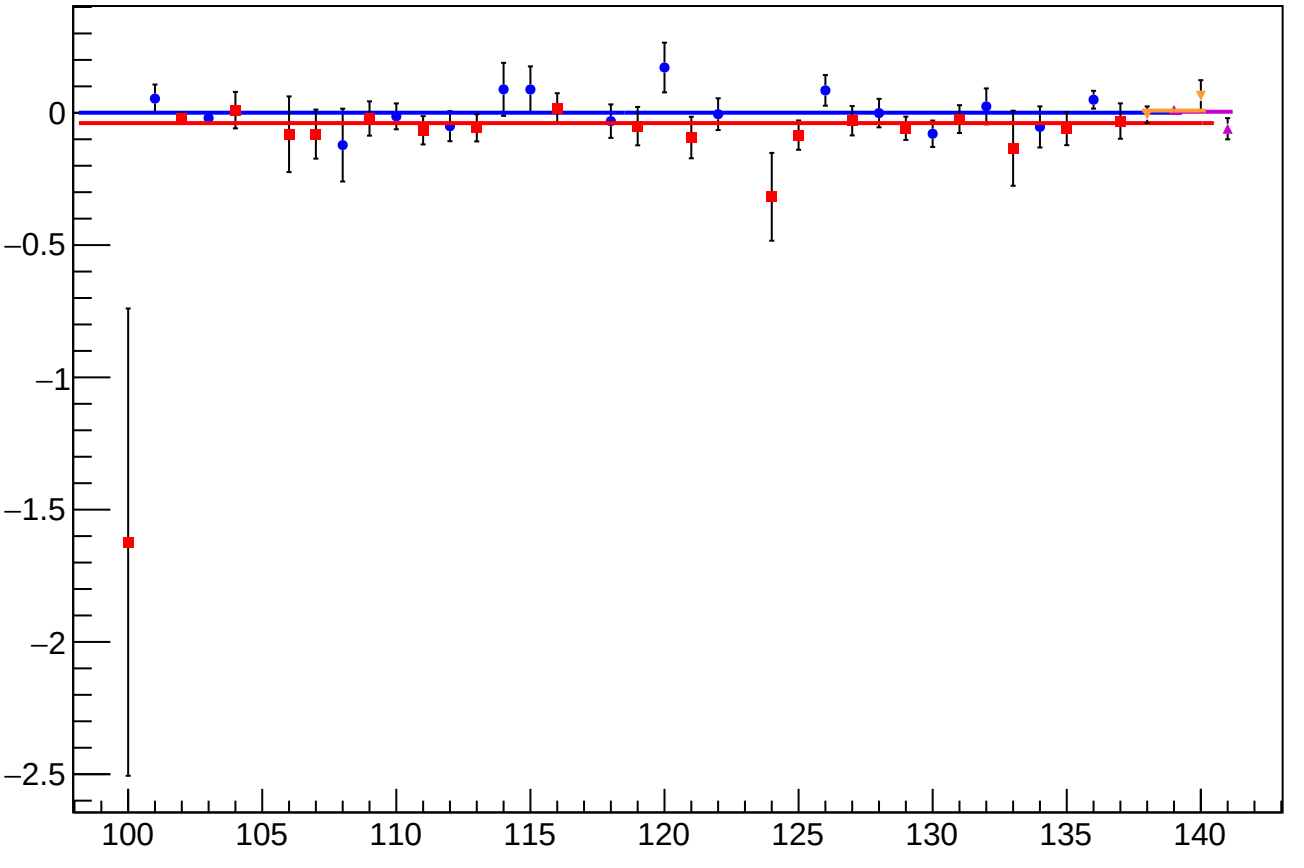
Left: 15.579+/-0.008 χ^2/NDF: 1637031.7/3

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 20.443+/-0.006 χ^2/NDF:4487778.5/17

Out: 28.813+/-0.008 χ^2/NDF:2844671.9/20

All: 23.510+/-0.005 χ^2/NDF: 8003658.0/38



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.008+/-0.028 χ^2/NDF:1.1/1

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.013 χ^2/NDF:2.8/1

Left: 0.005+/-0.012 χ^2/NDF: 4.0/3

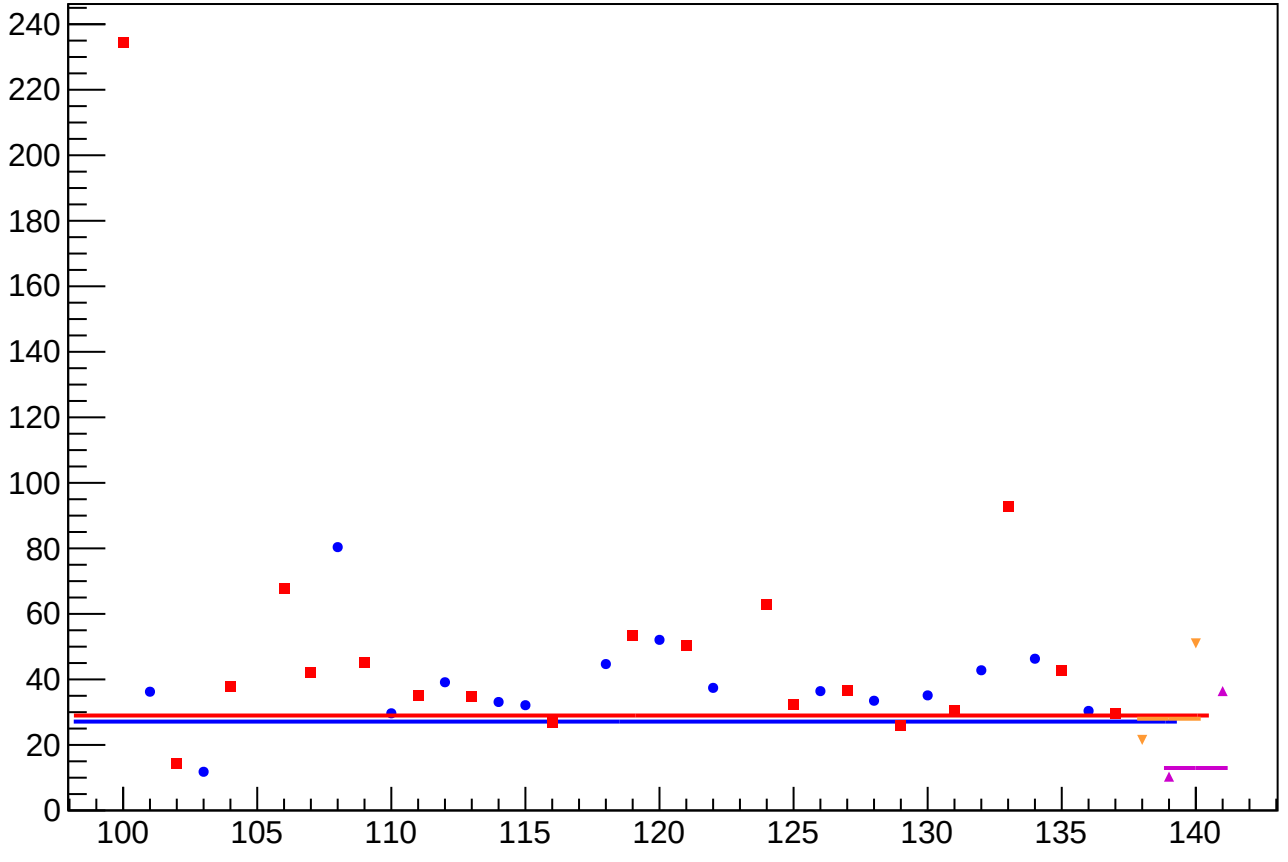
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.009 χ^2/NDF:19.4/17

Out: -0.031+/-0.011 χ^2/NDF:14.6/20

All: -0.010+/-0.007 χ^2/NDF: 39.2/38

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.999+/-0.020 χ^2/NDF:386934.5/1

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 12.960+/-0.009 χ^2/NDF:764071.4/1

Left: 15.579+/-0.008 χ^2/NDF: 1637031.7/3

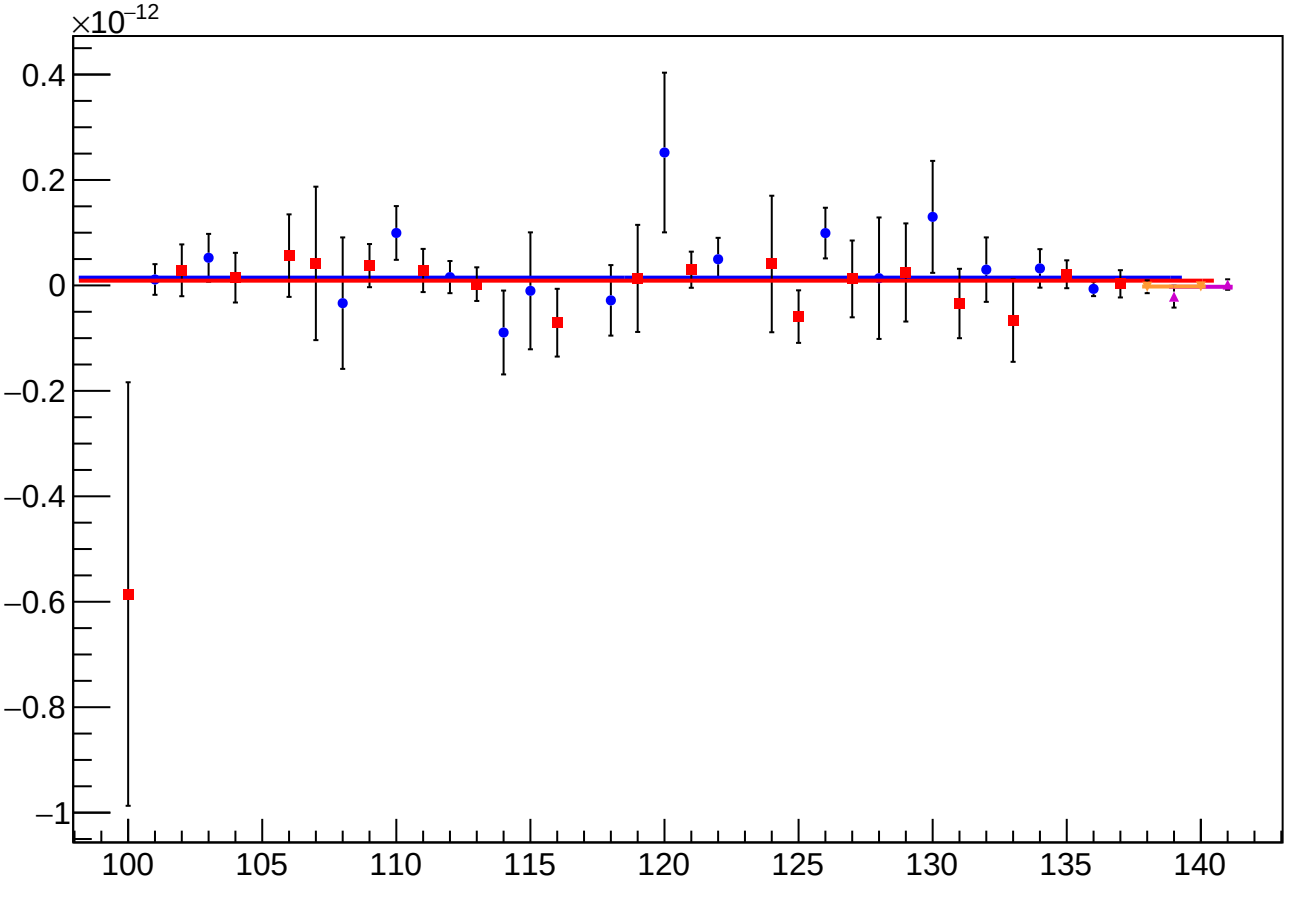
Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 20.443+/-0.006 χ^2/NDF:4487778.5/17

Out: 28.813+/-0.008 χ^2/NDF:2844671.9/20

All: 23.510+/-0.005 χ^2/NDF: 8003658.0/38

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

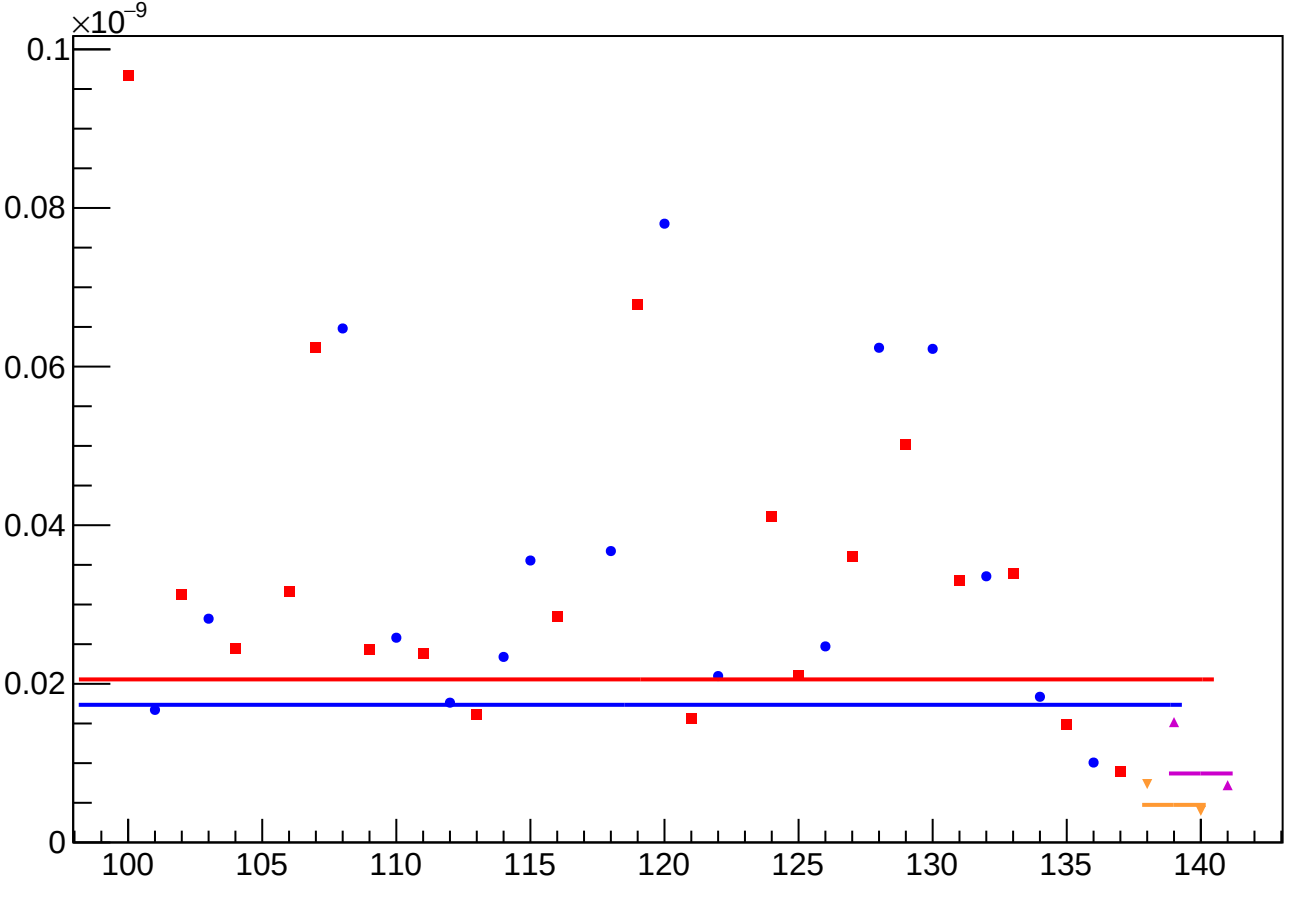
Left: -0.000+/-0.000 χ^2/NDF: 1.0/3

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:18.7/17

Out: 0.000+/-0.000 χ^2/NDF:9.8/20

All: 0.000+/-0.000 χ^2/NDF: 29.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:119755.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:237945.8/1

Left: 0.000+/-0.000 χ^2/NDF: 633207.5/3

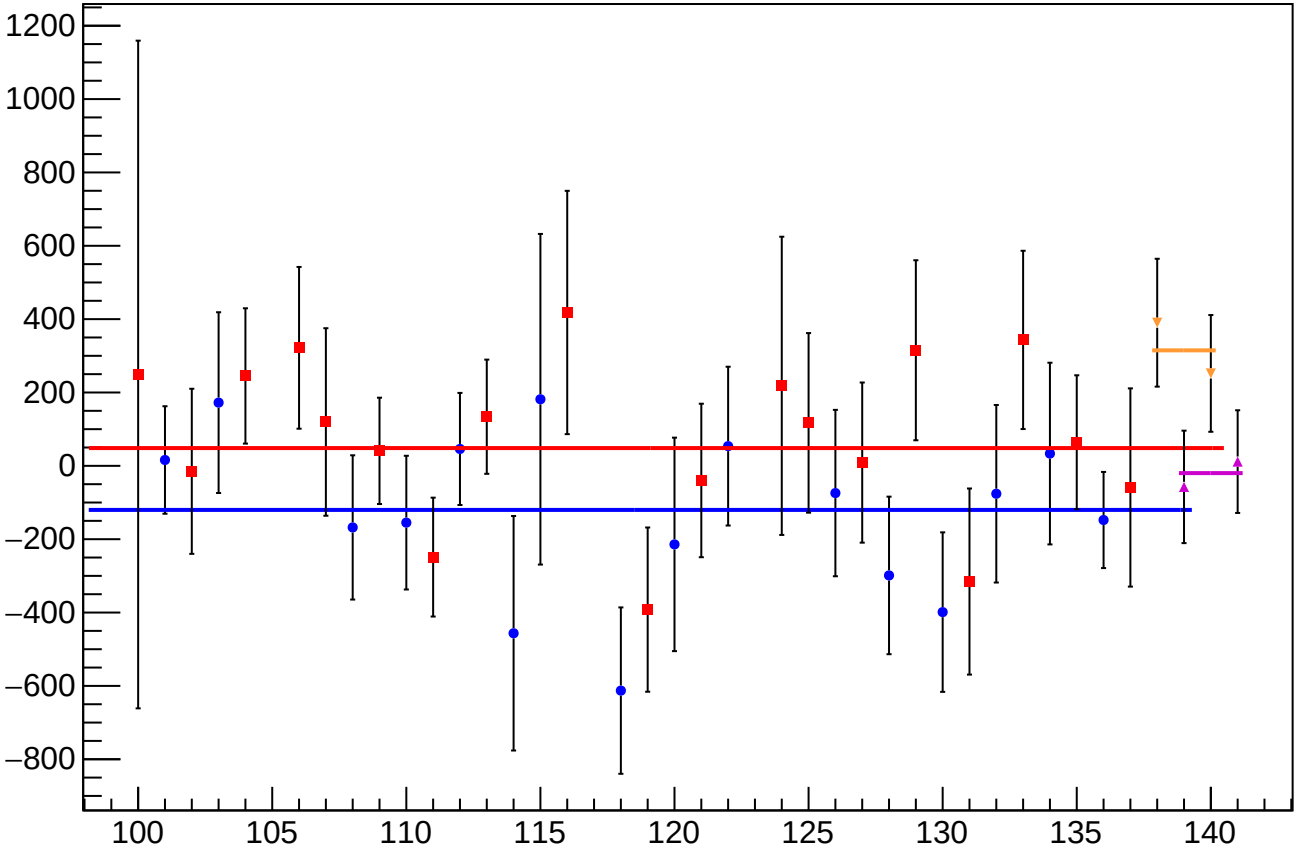
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:3563273.1/17

Out: 0.000+/-0.000 χ^2/NDF:5369595.0/20

All: 0.000+/-0.000 χ^2/NDF: 9540938.5/38

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 314.890+/-117.540 χ^2/NDF:0.3/1

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: -19.801+/-103.383 χ^2/NDF:0.1/1

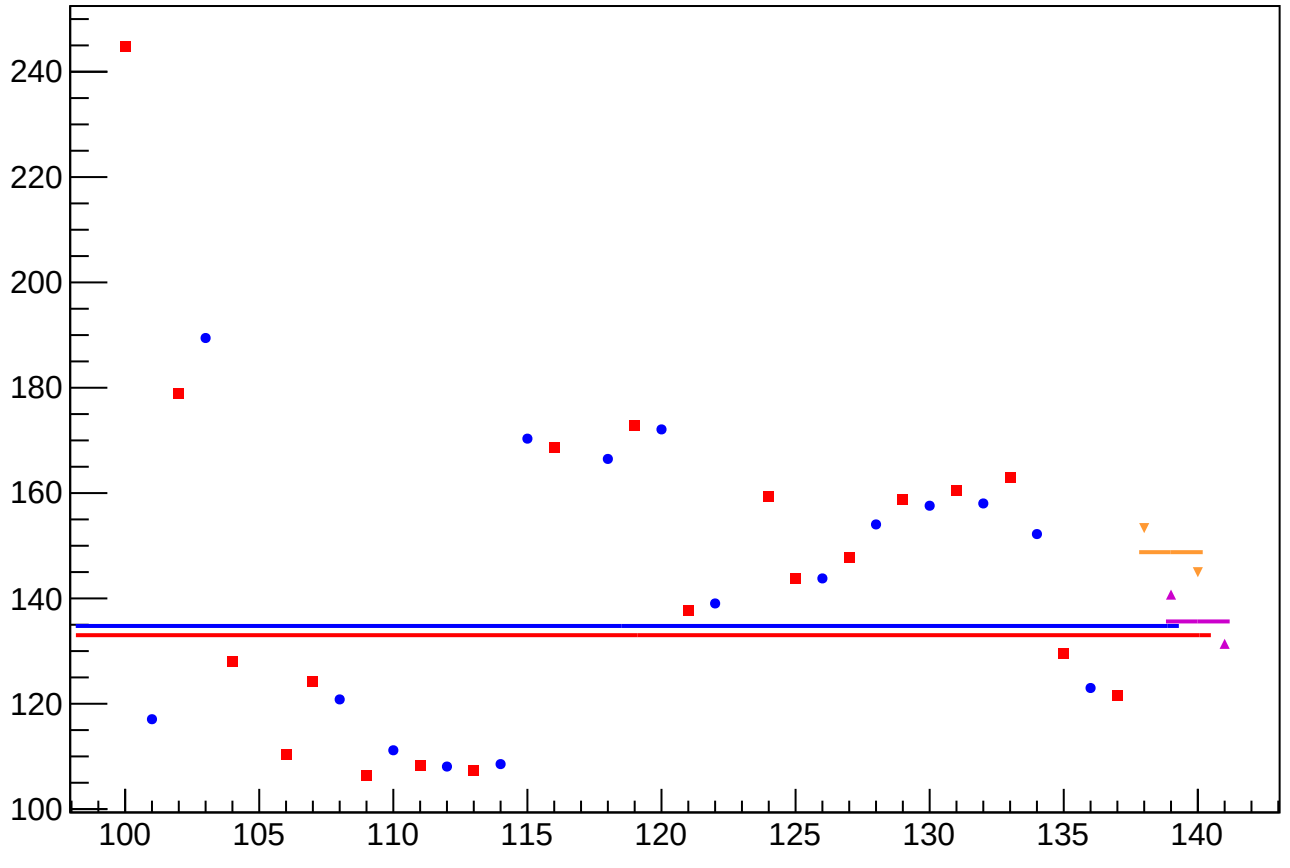
Left: 126.184+/-77.628 χ^2/NDF: 5.0/3

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -100.452+/-45.812 χ^2/NDF:14.3/17

Out: 89.150+/-45.940 χ^2/NDF:21.7/20

All: -5.915+/-32.439 χ^2/NDF: 44.5/38



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 148.781+/-0.083 χ^2/NDF:2516.5/1

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 135.628+/-0.073 χ^2/NDF:4053.0/1

Left: 141.365+/-0.055 χ^2/NDF: 20689.5/3

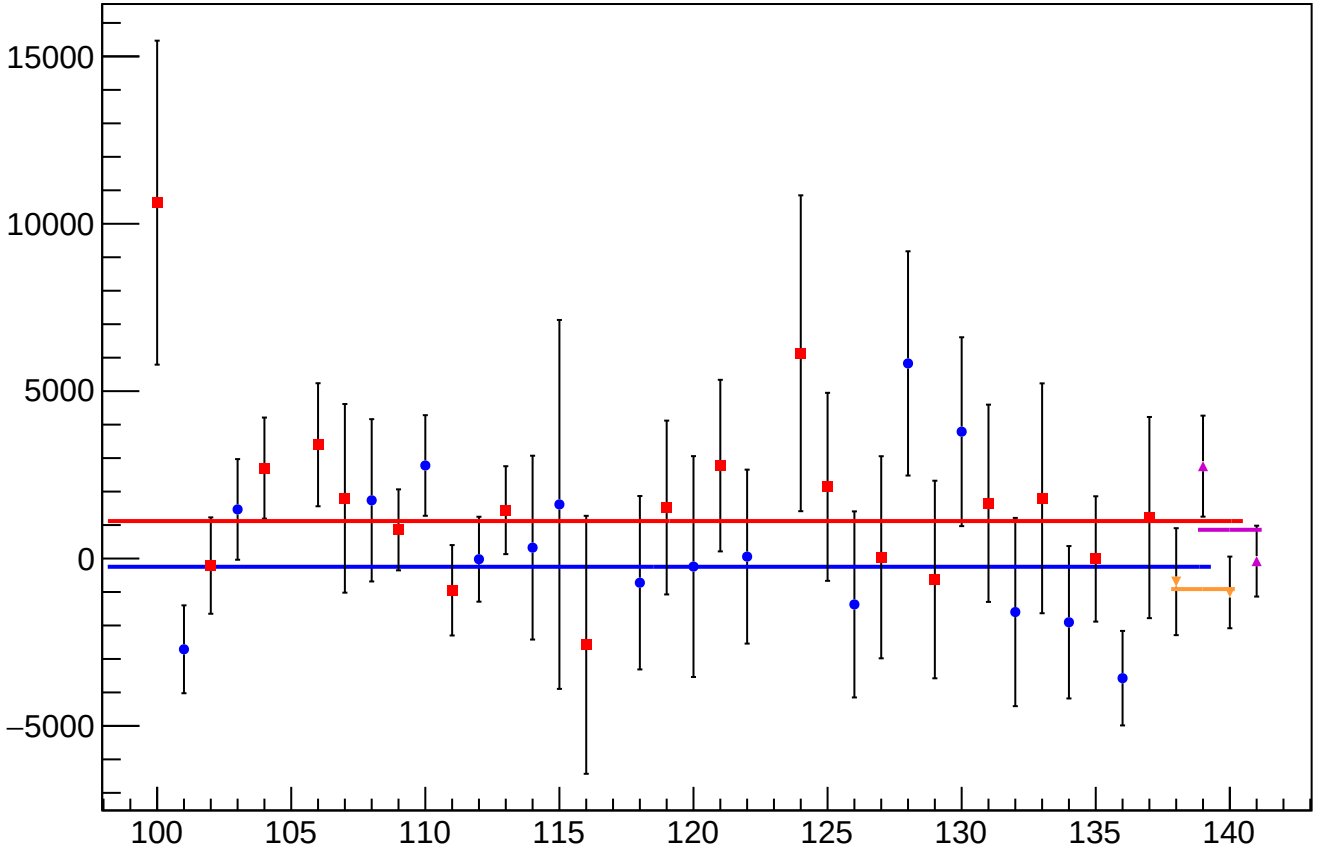
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 134.940+/-0.032 χ^2/NDF:420942.3/17

Out: 135.427+/-0.032 χ^2/NDF:528704.3/20

All: 135.183+/-0.023 χ^2/NDF: 949759.5/38

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -912.900+/-889.033 χ^2/NDF:0.0/1

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 858.638+/-866.658 χ^2/NDF:2.4/1

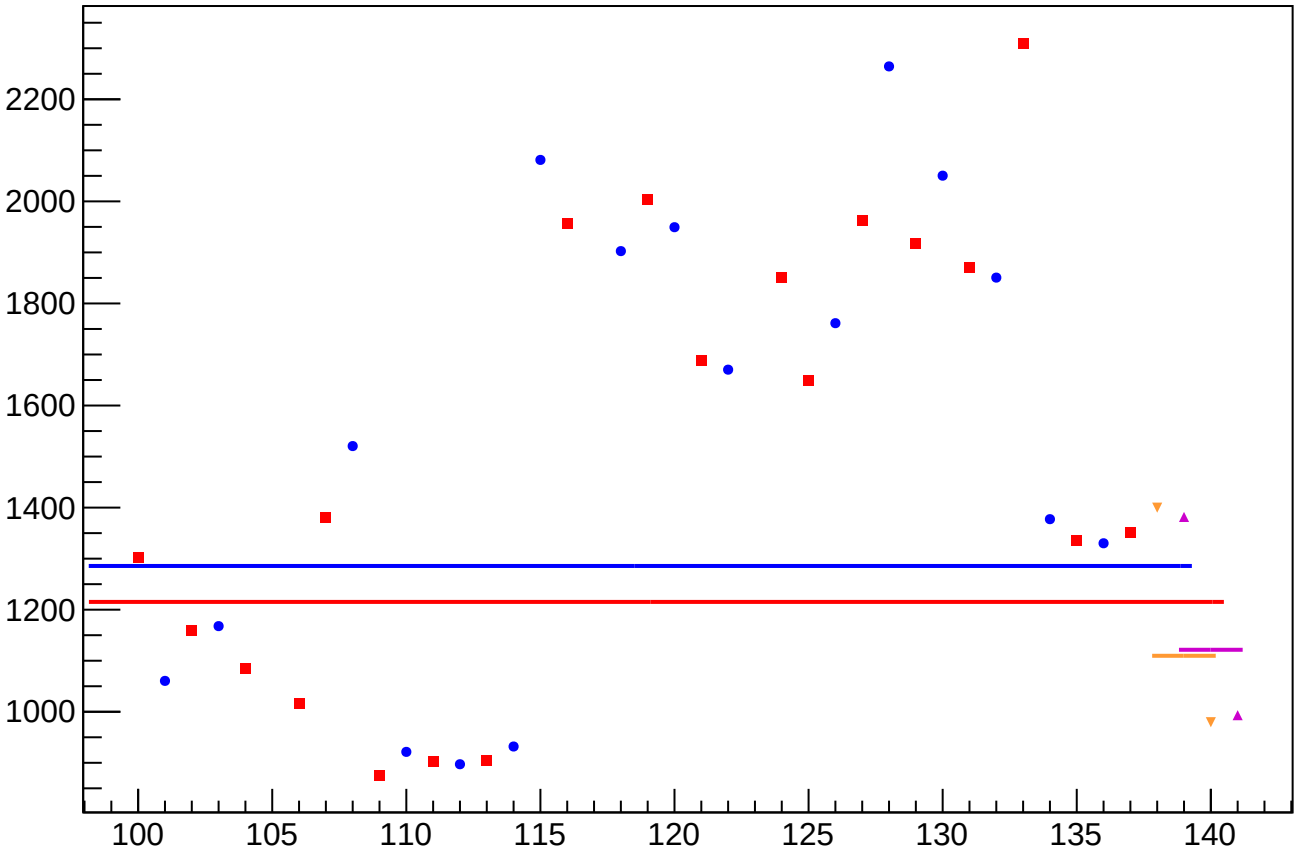
Left: -4.558+/-620.579 χ^2/NDF: 4.4/3

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 30.759+/-434.009 χ^2/NDF:25.2/17

Out: 677.850+/-414.402 χ^2/NDF:17.5/20

All: 369.252+/-299.718 χ^2/NDF: 43.9/38



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1109.683+/-0.629 χ^2/NDF:95596.5/1

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1121.452+/-0.613 χ^2/NDF:88815.1/1

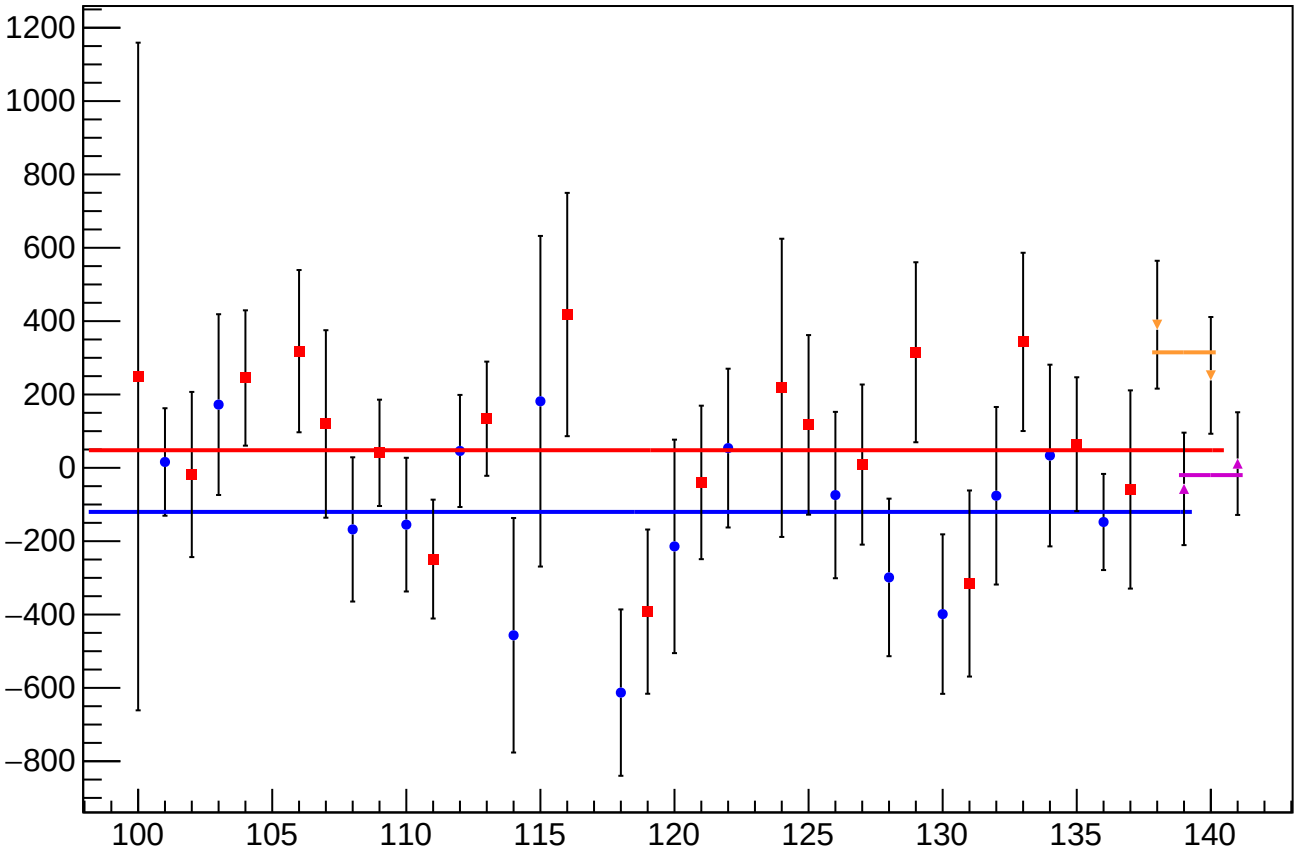
Left: 1115.717+/-0.439 χ^2/NDF: 184591.3/3

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1244.485+/-0.307 χ^2/NDF:1313051.3/17

Out: 1192.303+/-0.293 χ^2/NDF:1503954.6/20

All: 1217.189+/-0.212 χ^2/NDF: 2832129.7/38



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 314.912+/-117.540 χ^2/NDF:0.3/1

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: -19.792+/-103.383 χ^2/NDF:0.1/1

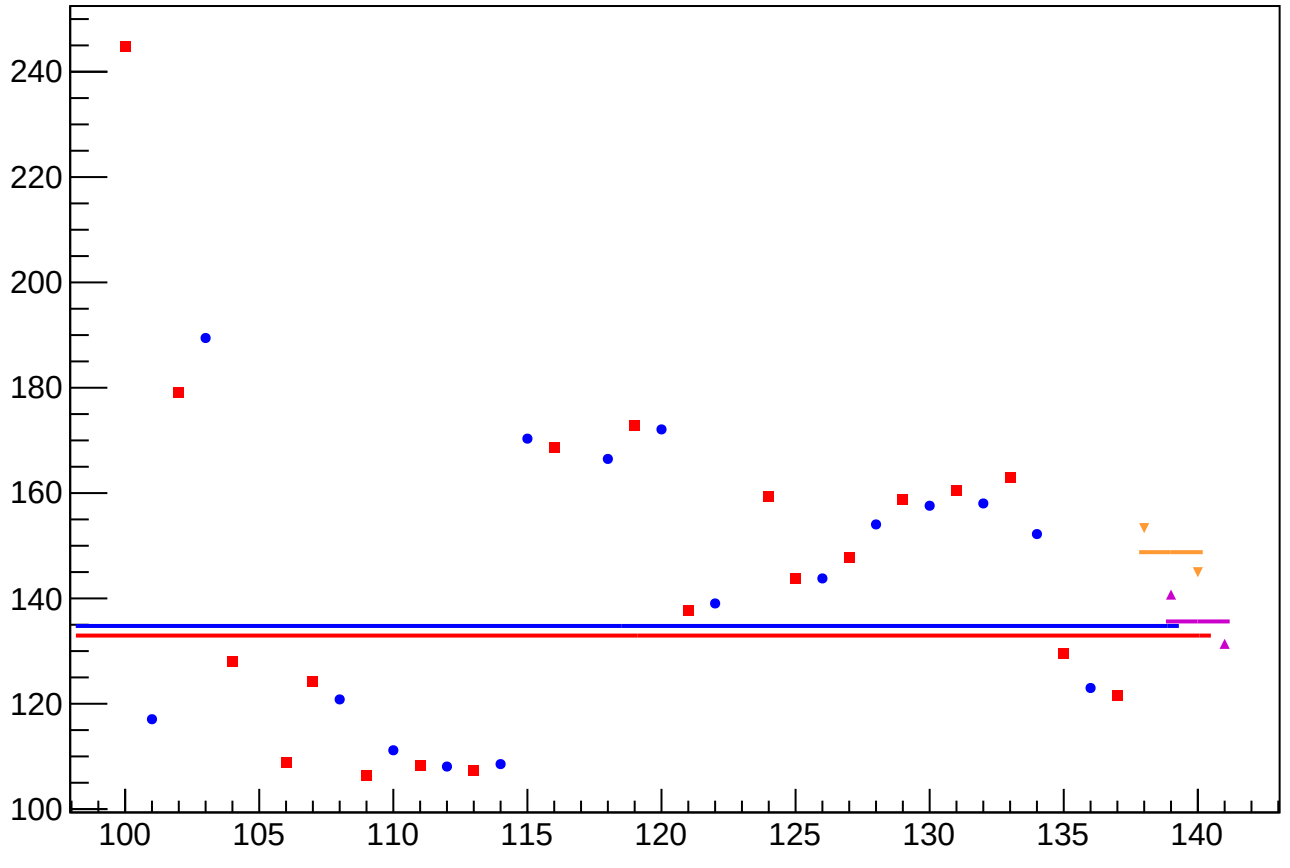
Left: 126.199+/-77.628 χ^2/NDF: 5.0/3

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -100.459+/-45.812 χ^2/NDF:14.3/17

Out: 88.797+/-45.947 χ^2/NDF:21.7/20

All: -6.110+/-32.442 χ^2/NDF: 44.5/38



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 148.781+/-0.083 χ^2/NDF:2516.5/1

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 135.629+/-0.073 χ^2/NDF:4053.0/1

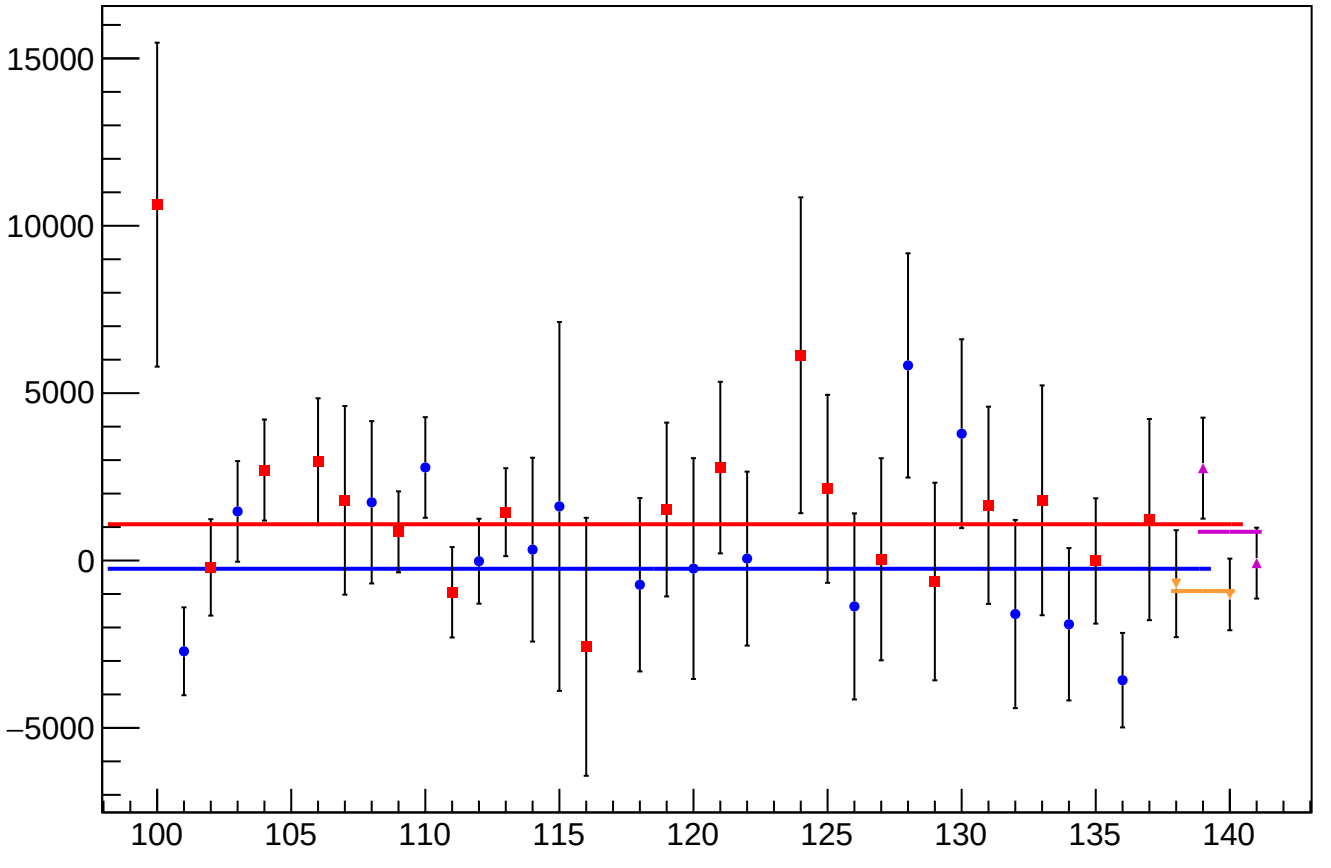
Left: 141.365+/-0.055 χ^2/NDF: 20689.5/3

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.940+/-0.032 χ^2/NDF:420945.3/17

Out: 135.367+/-0.032 χ^2/NDF:532116.6/20

All: 135.152+/-0.023 χ^2/NDF: 953148.6/38



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -912.883+/-889.032 χ^2/NDF:0.0/1

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 858.673+/-866.659 χ^2/NDF:2.4/1

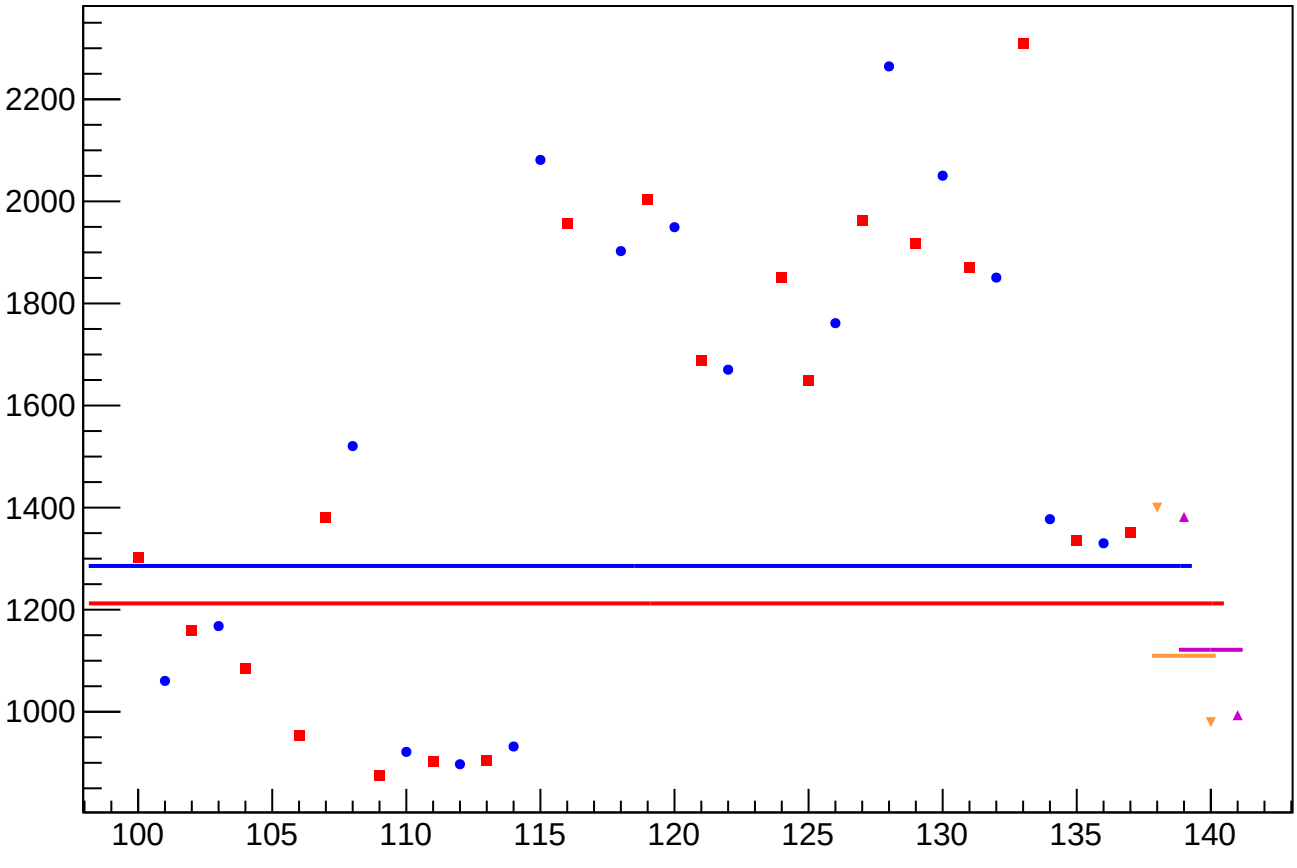
Left: -4.533+/-620.579 χ^2/NDF: 4.4/3

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 30.719+/-434.012 χ^2/NDF:25.2/17

Out: 648.864+/-415.041 χ^2/NDF:16.8/20

All: 353.596+/-299.961 χ^2/NDF: 43.0/38



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1109.682+/-0.629 χ^2/NDF:95596.4/1

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1121.453+/-0.613 χ^2/NDF:88813.8/1

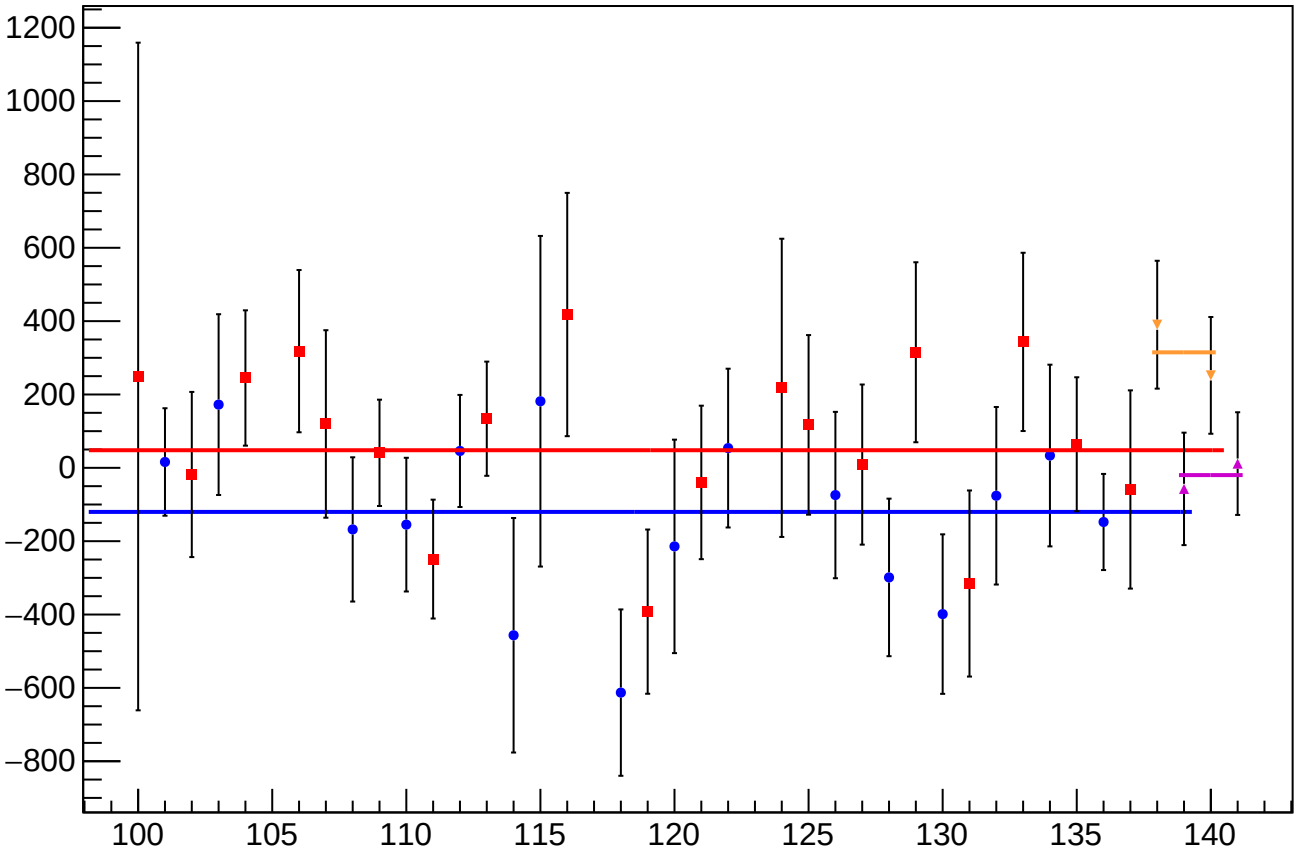
Left: 1115.717+/-0.439 χ^2/NDF: 184590.0/3

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1244.495+/-0.307 χ^2/NDF:1313032.9/17

Out: 1189.916+/-0.293 χ^2/NDF:1517061.3/20

All: 1215.986+/-0.212 χ^2/NDF: 2846614.9/38



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 314.912+/-117.540 χ^2/NDF:0.3/1

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: -19.792+/-103.383 χ^2/NDF:0.1/1

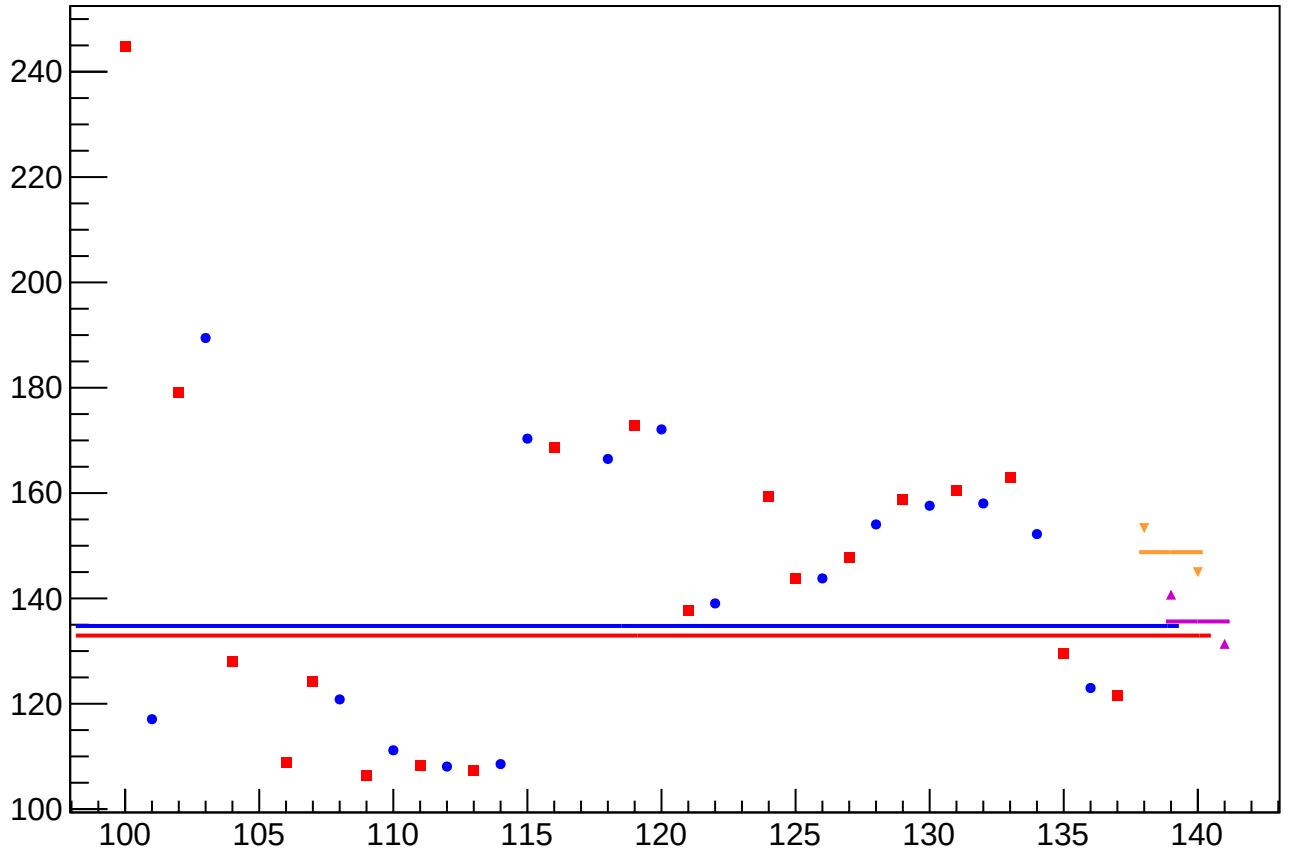
Left: 126.199+/-77.628 χ^2/NDF: 5.0/3

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -100.459+/-45.812 χ^2/NDF:14.3/17

Out: 88.797+/-45.947 χ^2/NDF:21.7/20

All: -6.110+/-32.442 χ^2/NDF: 44.5/38



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 148.781+/-0.083 χ^2/NDF:2516.5/1

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 135.629+/-0.073 χ^2/NDF:4053.0/1

Left: 141.365+/-0.055 χ^2/NDF: 20689.5/3

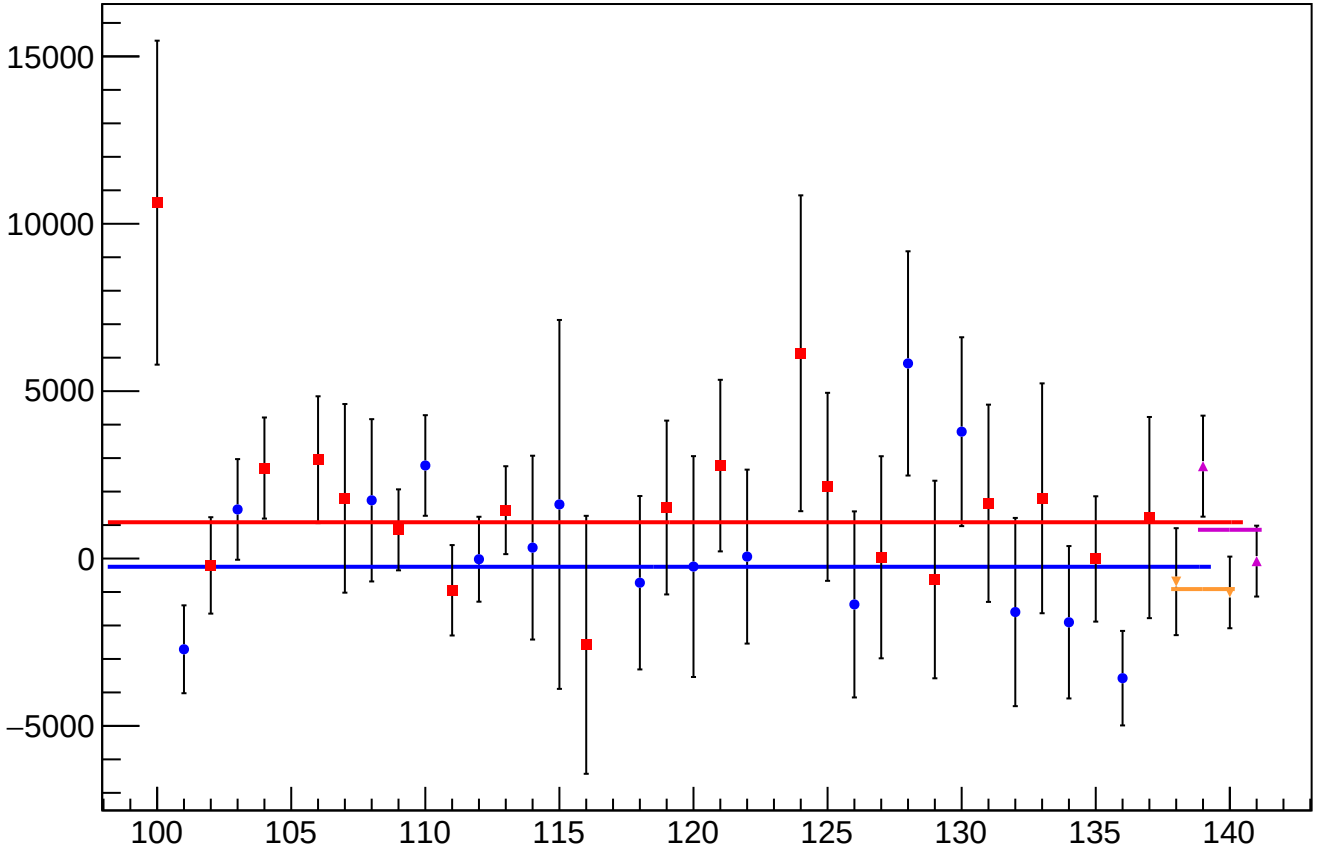
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.940+/-0.032 χ^2/NDF:420945.3/17

Out: 135.367+/-0.032 χ^2/NDF:532116.6/20

All: 135.152+/-0.023 χ^2/NDF: 953148.6/38

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -912.883+/-889.032 χ^2/NDF:0.0/1

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 858.673+/-866.659 χ^2/NDF:2.4/1

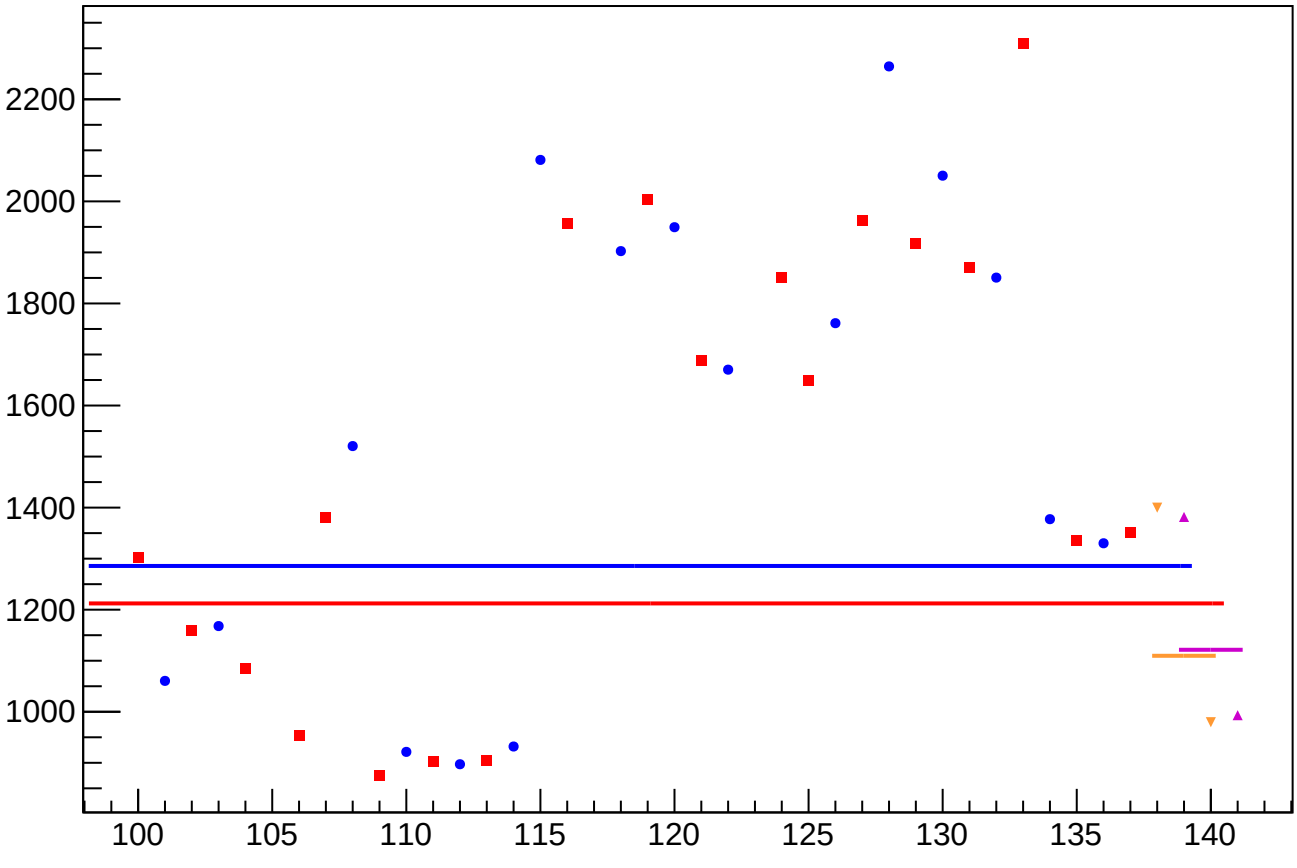
Left: -4.533+/-620.579 χ^2/NDF: 4.4/3

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 30.719+/-434.012 χ^2/NDF:25.2/17

Out: 648.864+/-415.041 χ^2/NDF:16.8/20

All: 353.596+/-299.961 χ^2/NDF: 43.0/38



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1109.682+/-0.629 χ^2/NDF:95596.4/1

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1121.453+/-0.613 χ^2/NDF:88813.8/1

Left: 1115.717+/-0.439 χ^2/NDF: 184590.0/3

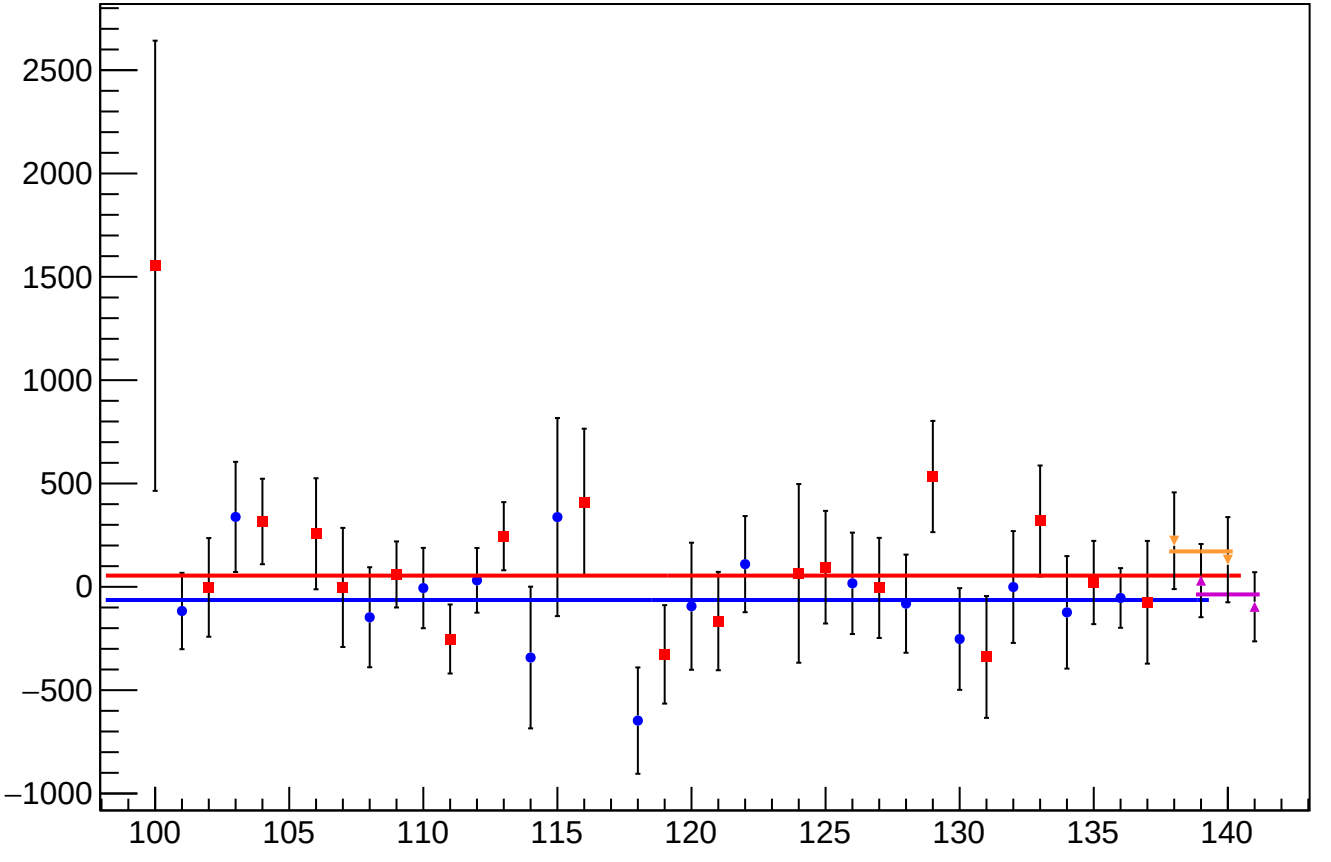
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1244.495+/-0.307 χ^2/NDF:1313032.9/17

Out: 1189.916+/-0.293 χ^2/NDF:1517061.3/20

All: 1215.986+/-0.212 χ^2/NDF: 2846614.9/38

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 171.394+/-154.707 χ^2/NDF:0.1/1

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: -36.763+/-121.612 χ^2/NDF:0.3/1

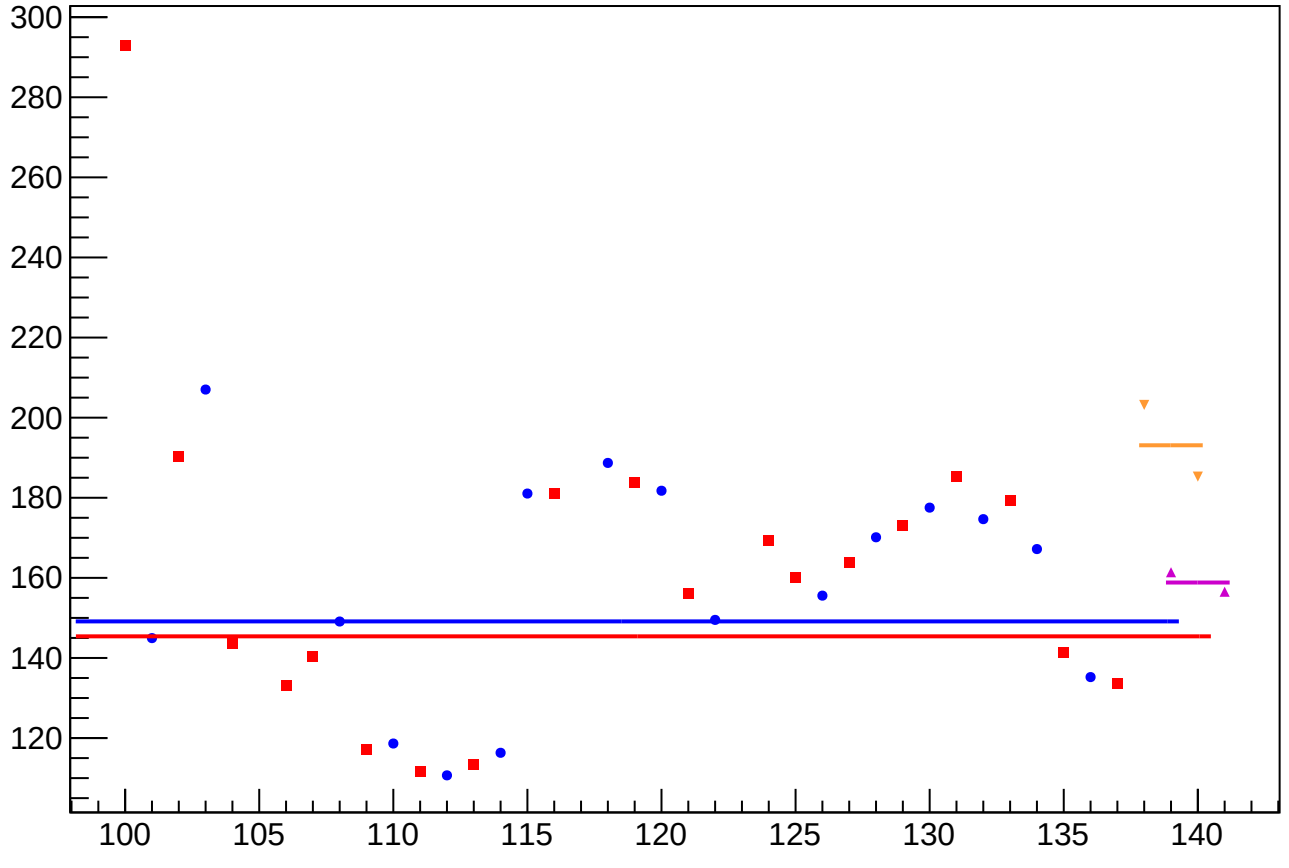
Left: 42.736+/-95.609 χ^2/NDF: 1.5/3

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -58.952+/-51.414 χ^2/NDF:11.1/17

Out: 67.334+/-51.607 χ^2/NDF:20.1/20

All: 3.954+/-36.423 χ^2/NDF: 34.2/38



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 193.105+/-0.109 χ^2/NDF:6589.0/1

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 158.836+/-0.086 χ^2/NDF:797.9/1

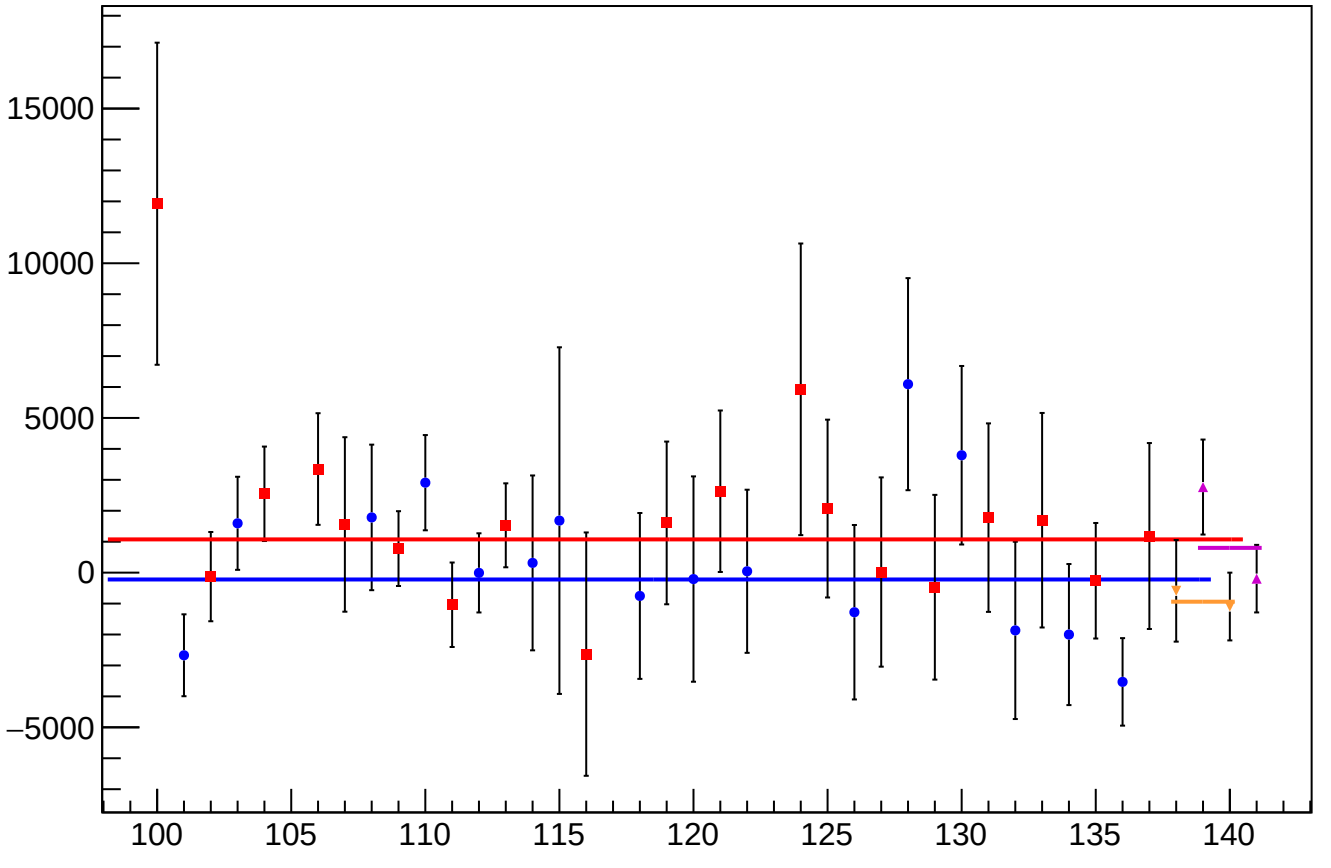
Left: 171.924+/-0.068 χ^2/NDF: 68041.8/3

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 150.865+/-0.036 χ^2/NDF:462263.2/17

Out: 150.708+/-0.036 χ^2/NDF:701423.5/20

All: 150.787+/-0.026 χ^2/NDF: 1163696.0/38



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -939.418+/-911.113 χ^2/NDF:0.1/1

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 800.229+/-889.832 χ^2/NDF:2.5/1

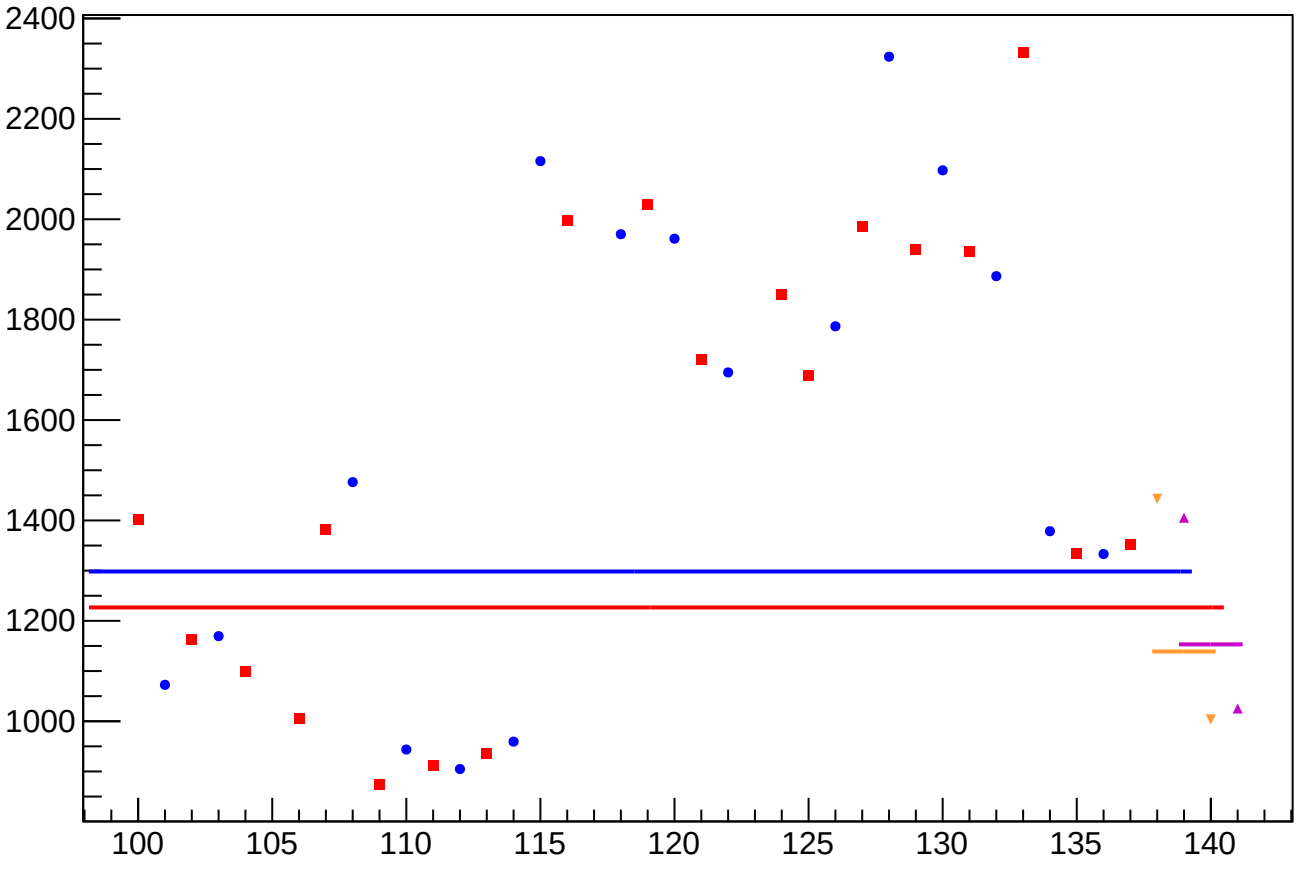
Left: -49.040+/-636.597 χ^2/NDF: 4.4/3

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 28.503+/-439.989 χ^2/NDF:25.3/17

Out: 647.163+/-419.672 χ^2/NDF:17.5/20

All: 352.447+/-303.682 χ^2/NDF: 43.9/38



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1138.989+/-0.644 χ^2/NDF:99122.8/1

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1153.128+/-0.629 χ^2/NDF:81390.0/1

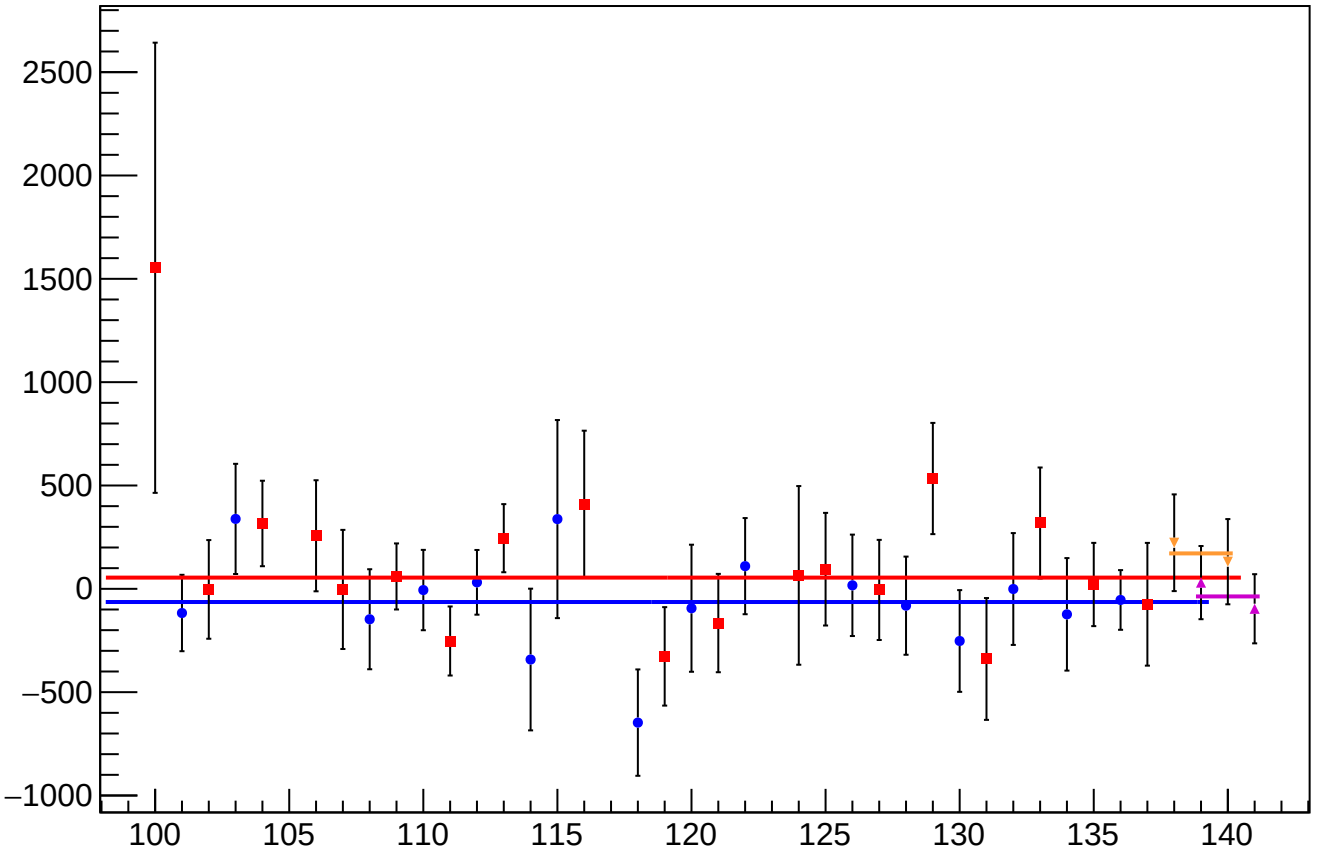
Left: 1146.225+/-0.450 χ^2/NDF: 180759.3/3

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1262.801+/-0.311 χ^2/NDF:1303727.1/17

Out: 1208.113+/-0.297 χ^2/NDF:1518256.5/20

All: 1234.165+/-0.215 χ^2/NDF: 2838162.3/38



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 171.398+/-154.707 χ^2/NDF:0.1/1

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: -36.765+/-121.612 χ^2/NDF:0.3/1

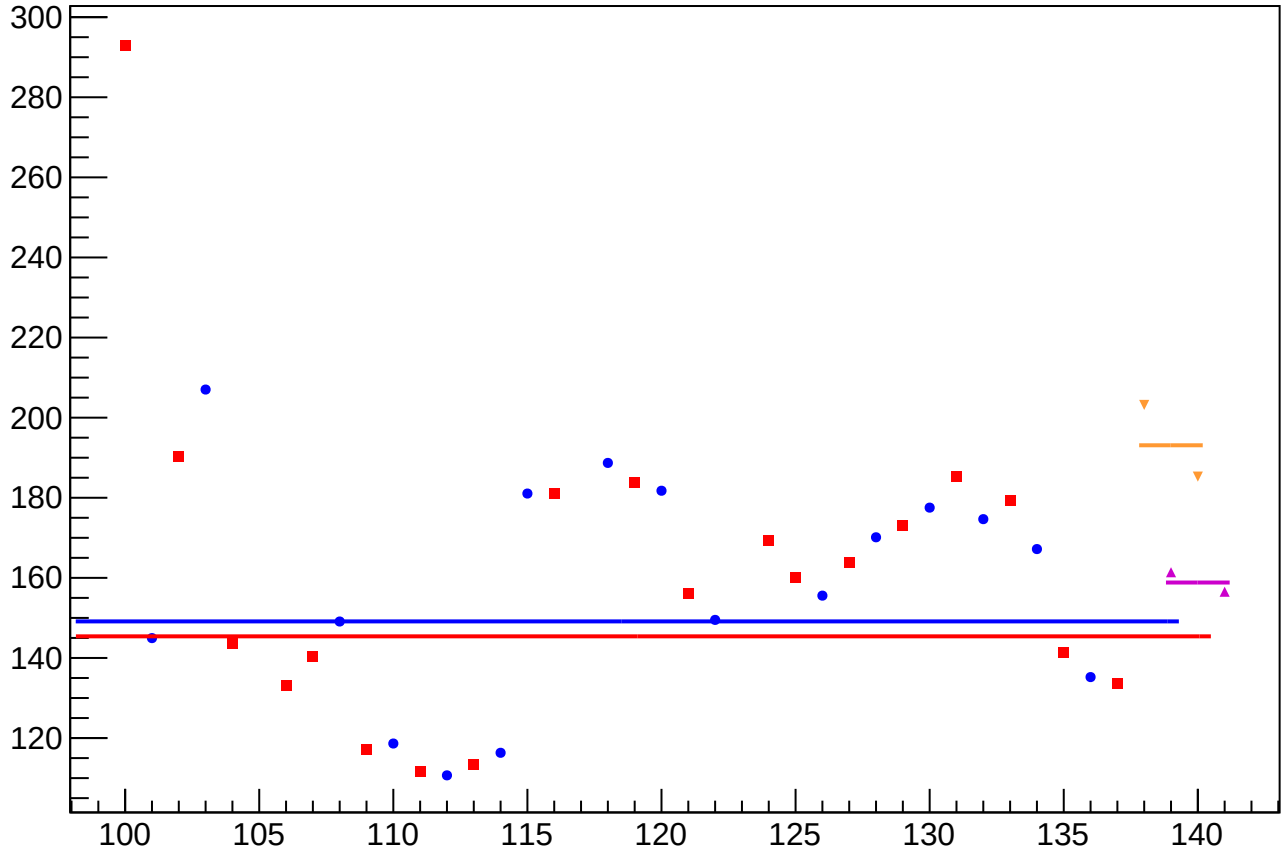
Left: 42.737+/-95.609 χ^2/NDF: 1.5/3

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -58.950+/-51.414 χ^2/NDF:11.1/17

Out: 67.334+/-51.607 χ^2/NDF:20.1/20

All: 3.955+/-36.423 χ^2/NDF: 34.2/38



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 193.105+/-0.109 χ^2/NDF:6588.3/1

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 158.836+/-0.086 χ^2/NDF:797.7/1

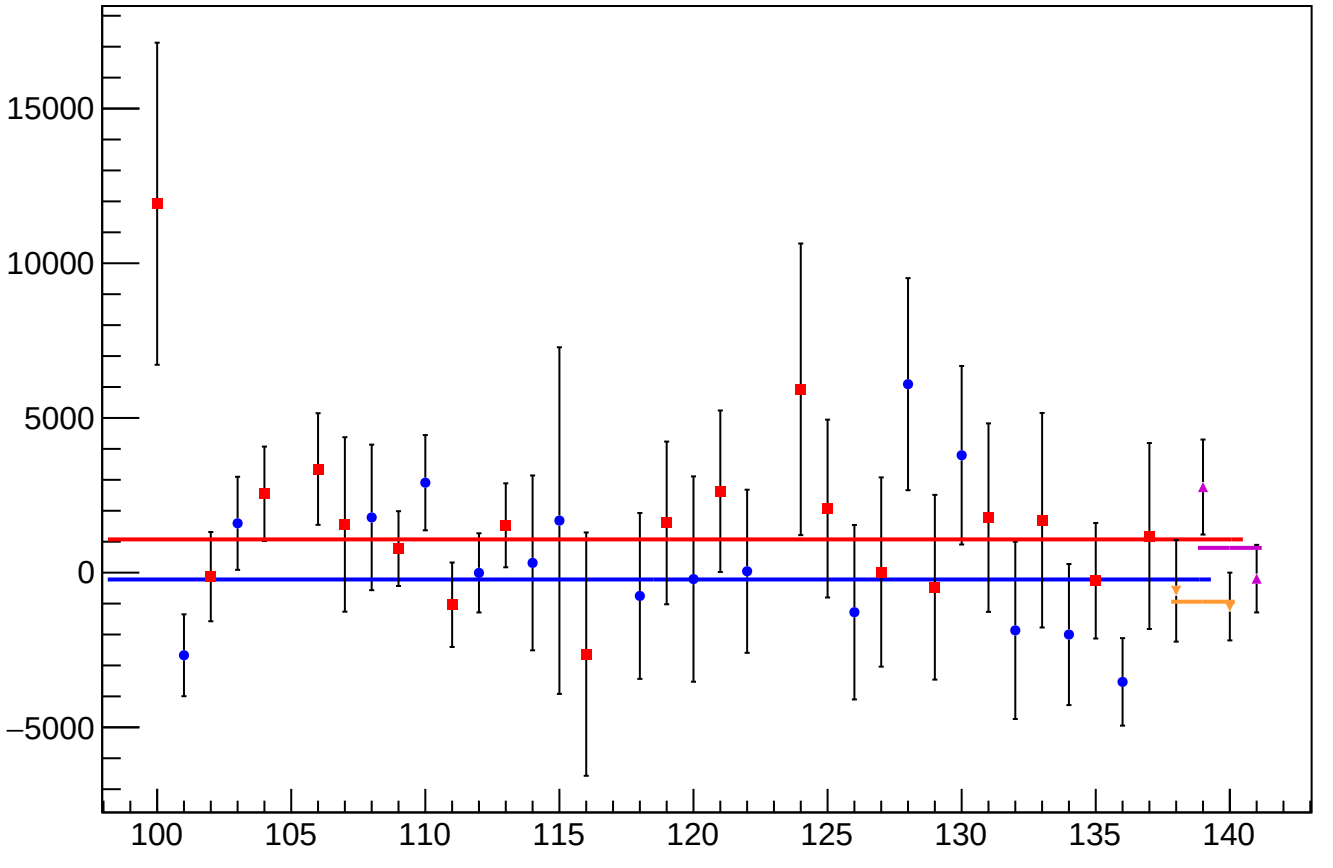
Left: 171.924+/-0.068 χ^2/NDF: 68041.1/3

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 150.865+/-0.036 χ^2/NDF:462264.4/17

Out: 150.708+/-0.036 χ^2/NDF:701425.4/20

All: 150.787+/-0.026 χ^2/NDF: 1163699.1/38



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -939.416+/-911.111 χ^2/NDF:0.1/1

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 800.229+/-889.830 χ^2/NDF:2.5/1

Left: -49.040+/-636.595 χ^2/NDF: 4.4/3

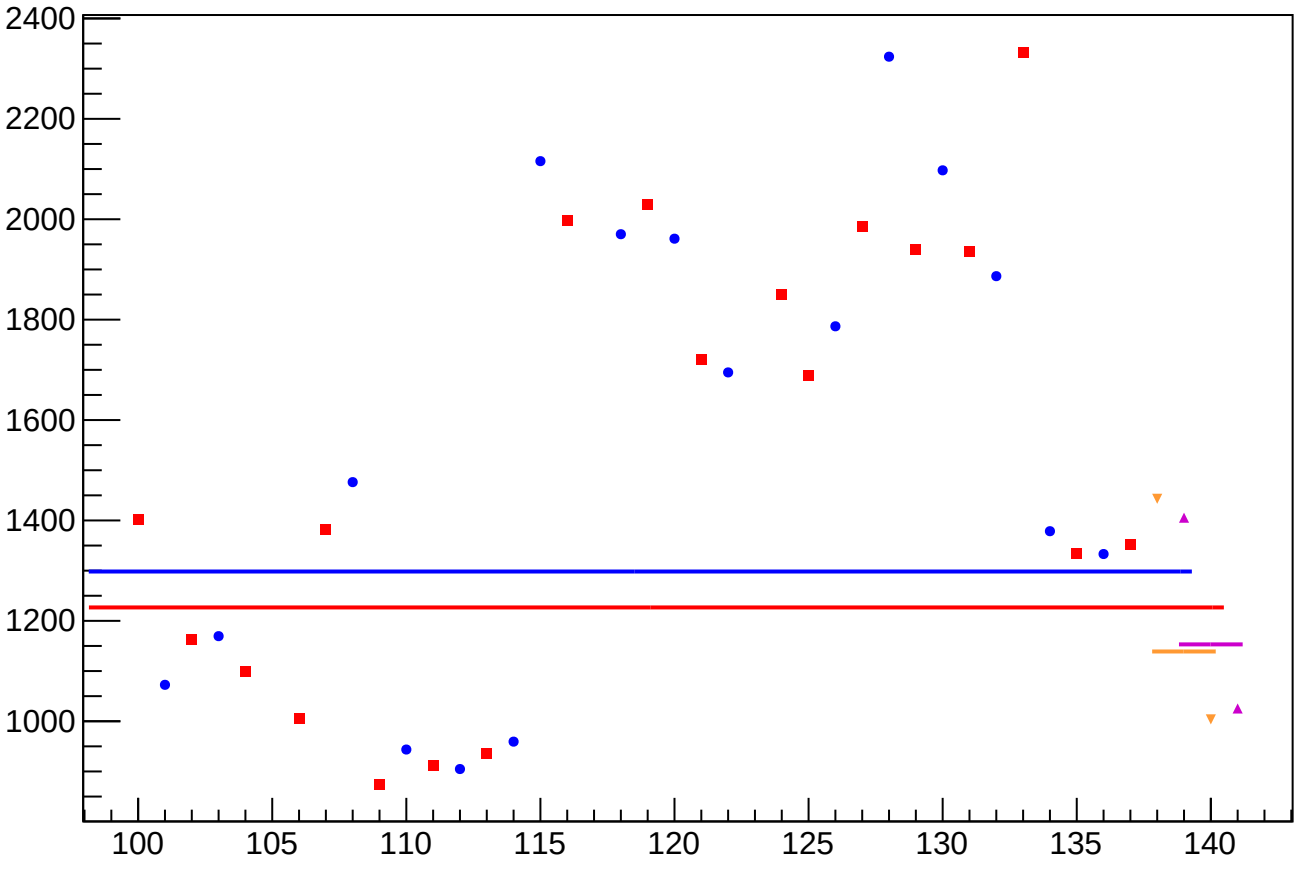
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 28.505+/-439.989 χ^2/NDF:25.3/17

Out: 647.161+/-419.671 χ^2/NDF:17.5/20

All: 352.446+/-303.681 χ^2/NDF: 43.9/38

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1138.986+/-0.644 χ^2/NDF:99122.6/1

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1153.125+/-0.629 χ^2/NDF:81390.7/1

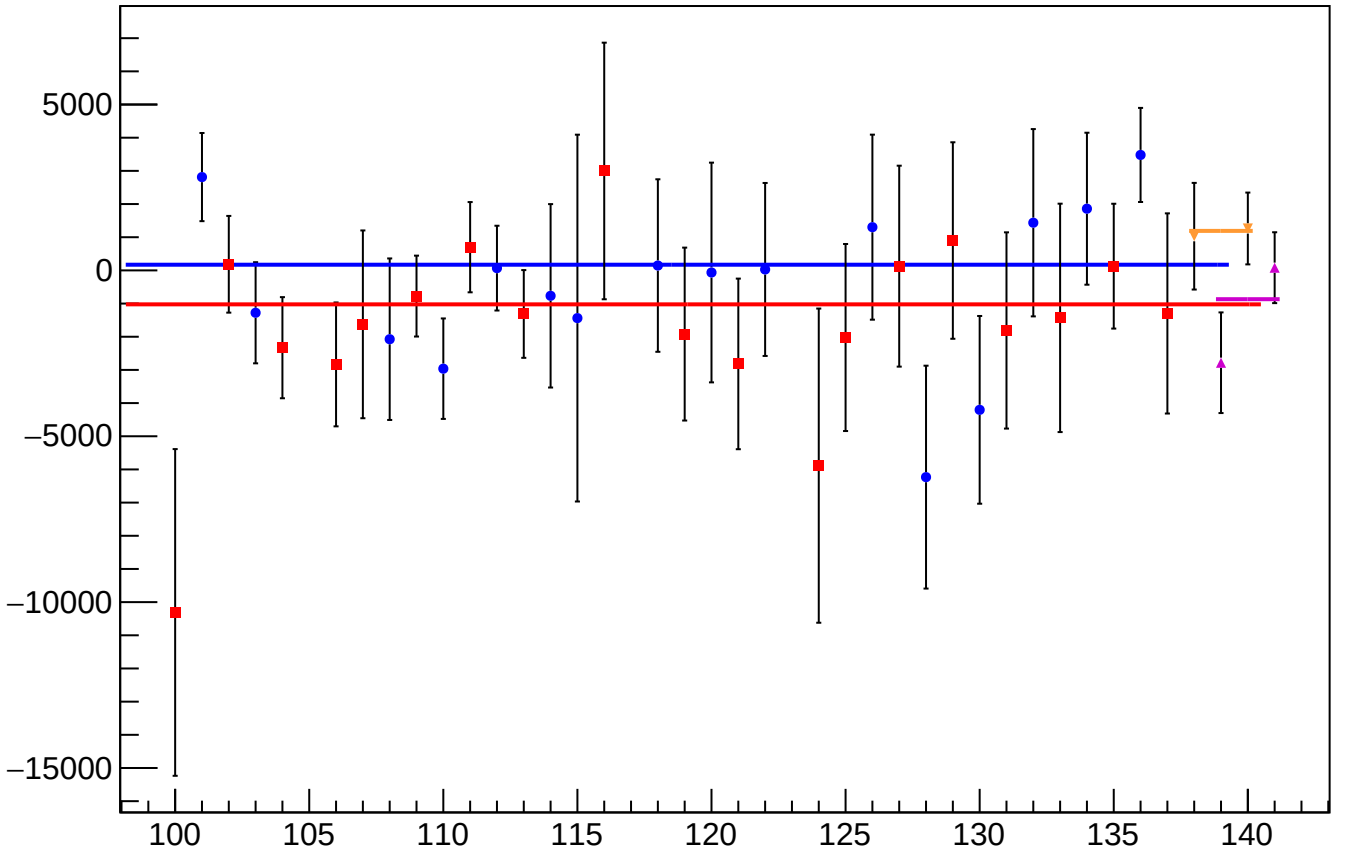
Left: 1146.223+/-0.450 χ^2/NDF: 180759.8/3

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1262.799+/-0.311 χ^2/NDF:1303732.8/17

Out: 1208.111+/-0.297 χ^2/NDF:1518260.0/20

All: 1234.164+/-0.215 χ^2/NDF: 2838171.5/38



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1190.621+/-897.773 χ^2/NDF:0.0/1

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -868.074+/-873.341 χ^2/NDF:2.4/1

Left: 132.879+/-626.005 χ^2/NDF: 5.1/3

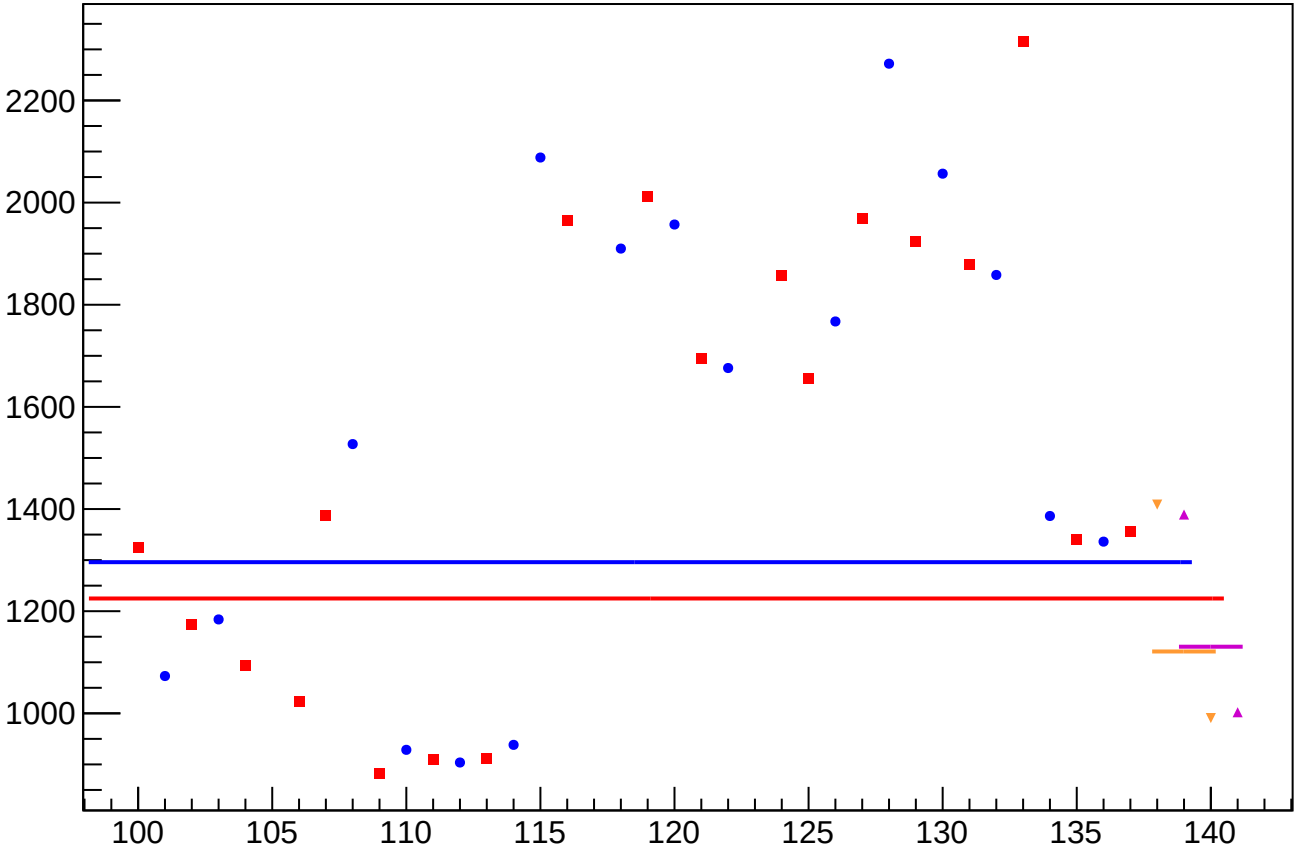
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -89.432+/-437.263 χ^2/NDF:26.0/17

Out: -544.171+/-417.785 χ^2/NDF:16.3/20

All: -327.155+/-302.070 χ^2/NDF: 42.9/38

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1121.112+/-0.635 χ^2/NDF:93038.0/1

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1130.461+/-0.618 χ^2/NDF:87062.8/1

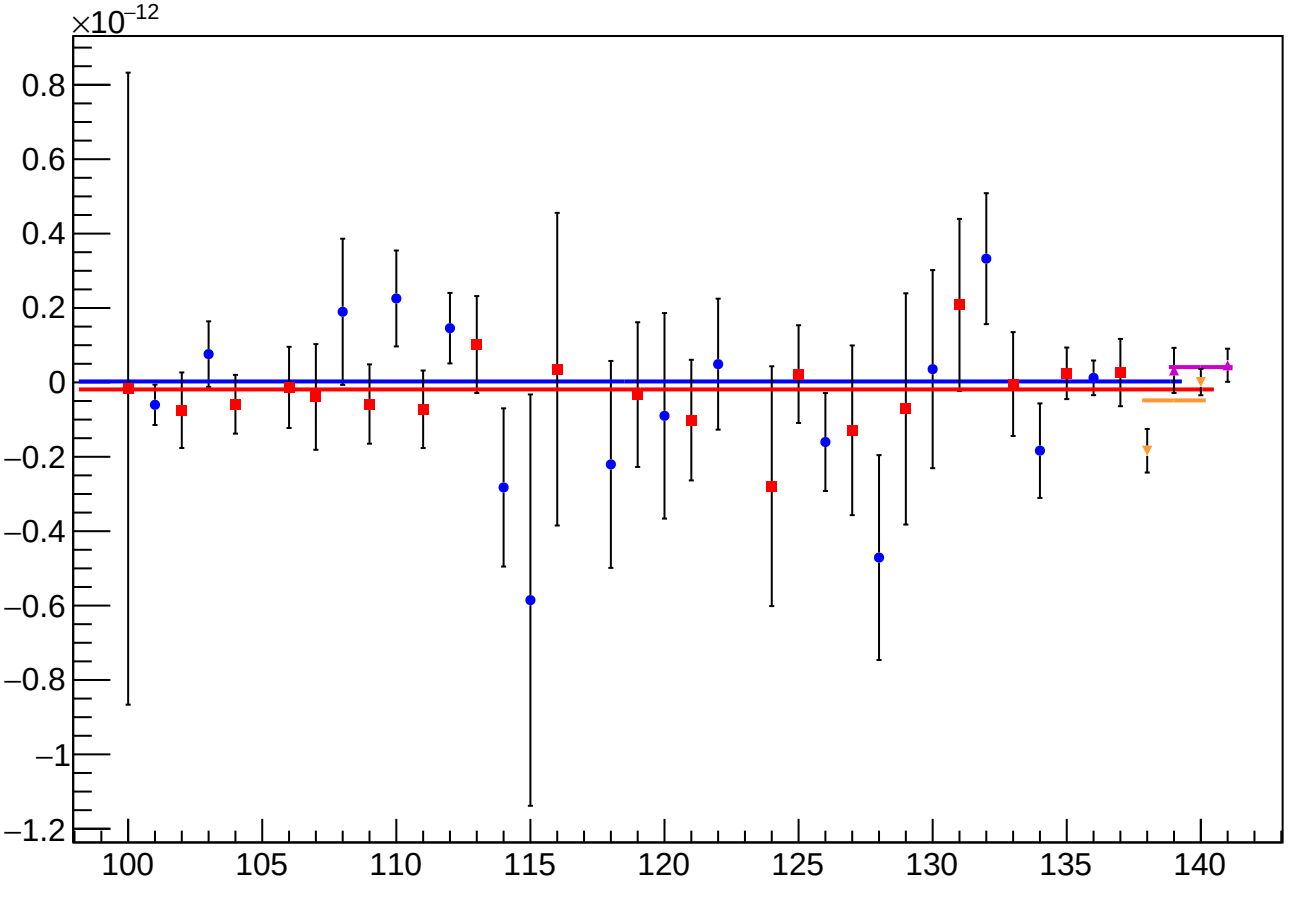
Left: 1125.915+/-0.443 χ^2/NDF: 180212.2/3

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1254.493+/-0.309 χ^2/NDF:1295083.7/17

Out: 1202.402+/-0.295 χ^2/NDF:1485252.7/20

All: 1227.262+/-0.214 χ^2/NDF: 2795174.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

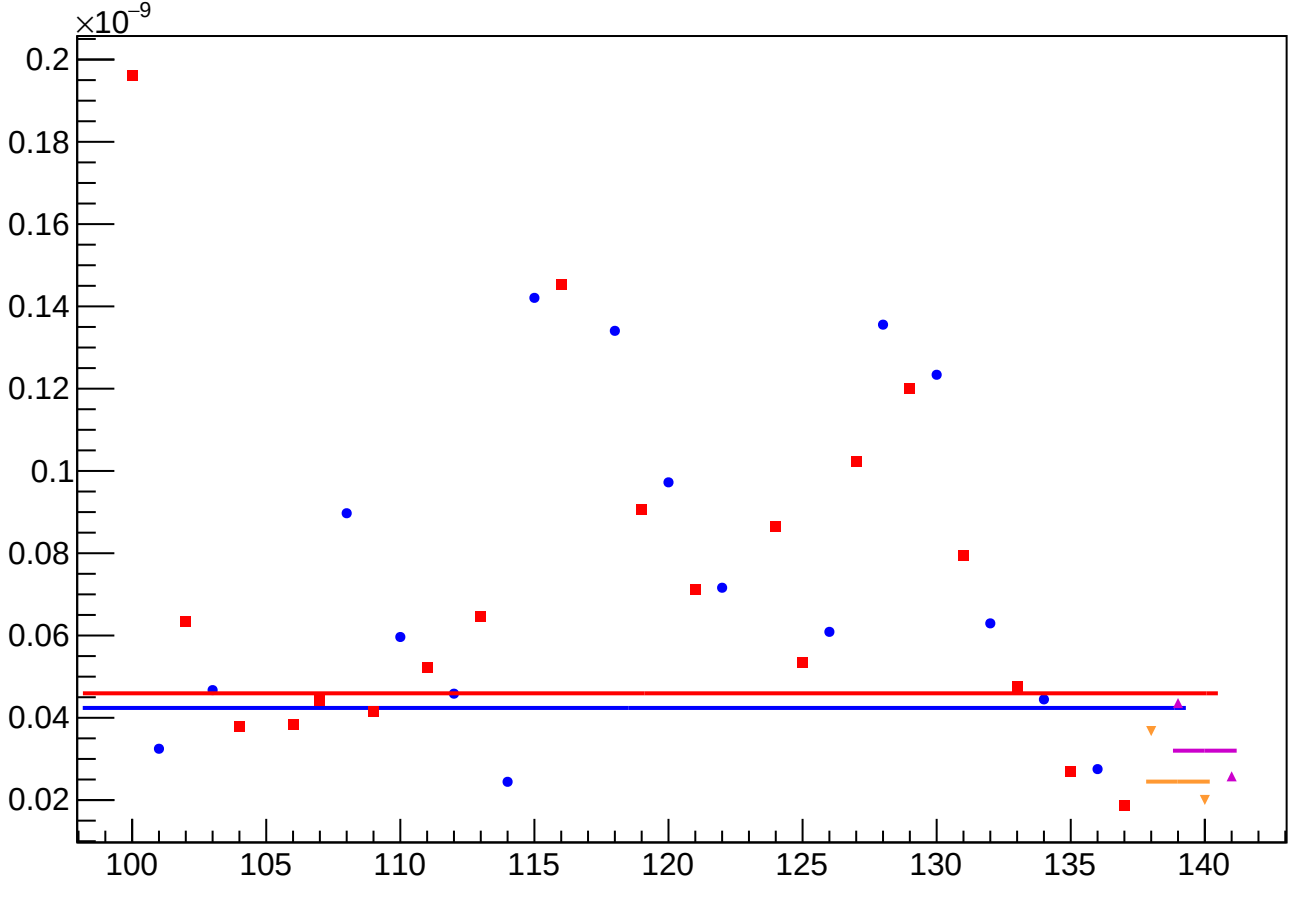
Left: -0.000+/-0.000 χ^2/NDF: 10.9/3

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:23.0/17

Out: -0.000+/-0.000 χ^2/NDF:12.5/20

All: -0.000+/-0.000 χ^2/NDF: 38.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:119611.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:112111.3/1

Left: 0.000+/-0.000 χ^2/NDF: 283013.8/3

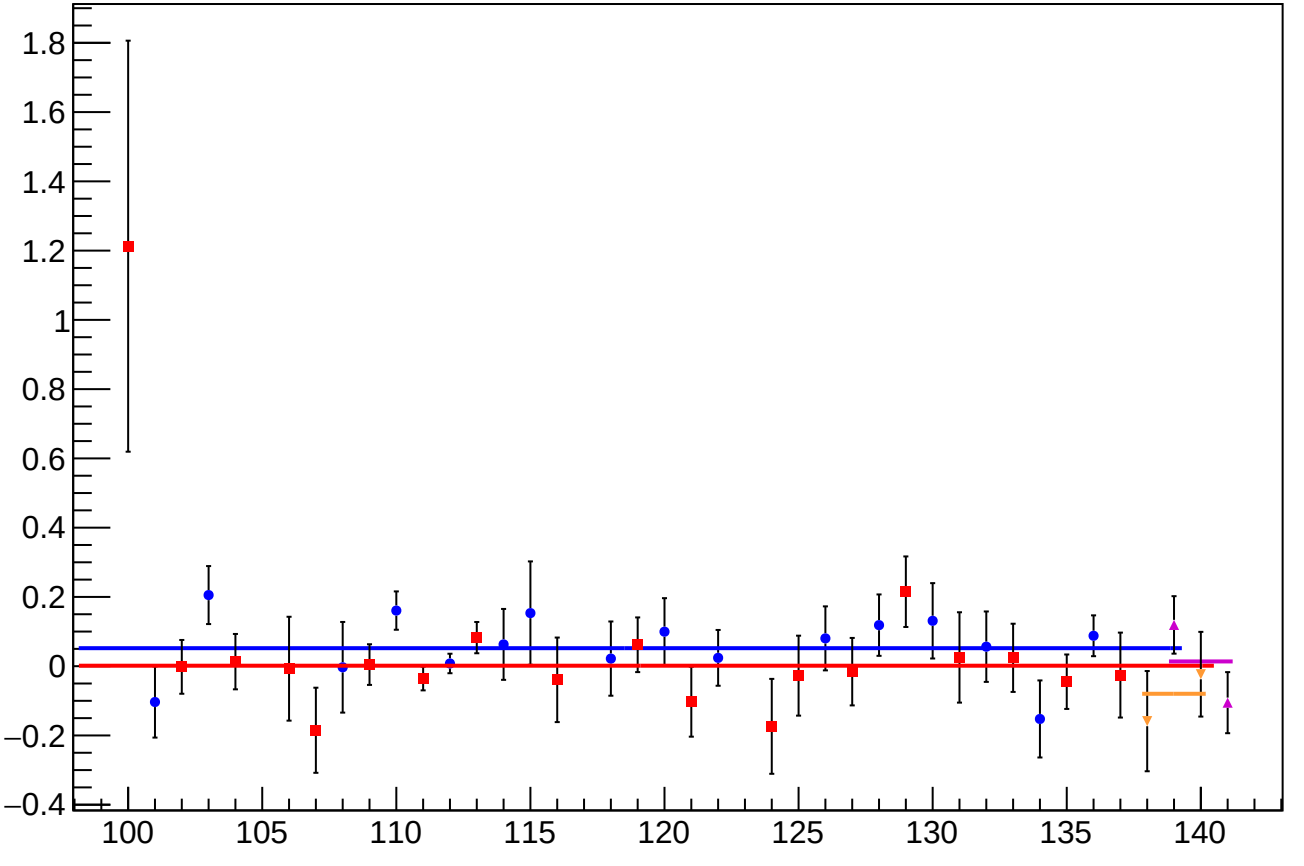
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:1560861.5/17

Out: 0.000+/-0.000 χ^2/NDF:1764192.8/20

All: 0.000+/-0.000 χ^2/NDF: 3344304.4/38

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.080+/-0.093 χ^2/NDF:0.5/1

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.014+/-0.060 χ^2/NDF:3.4/1

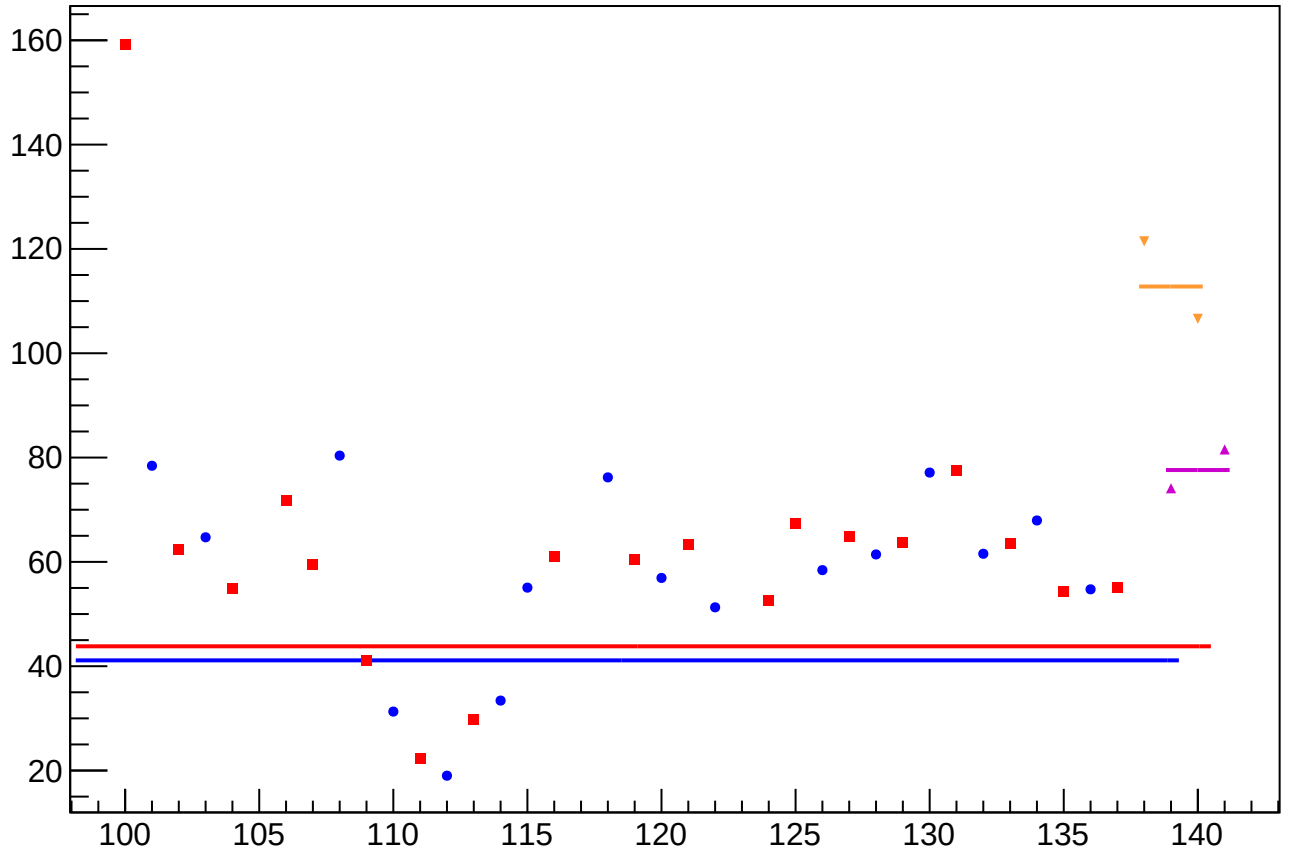
Left: -0.014+/-0.051 χ^2/NDF: 4.7/3

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.017 χ^2/NDF:21.8/17

Out: -0.001+/-0.018 χ^2/NDF:20.5/20

All: 0.025+/-0.012 χ^2/NDF: 46.5/38



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 112.792+/-0.066 χ^2/NDF:12275.3/1

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 77.610+/-0.043 χ^2/NDF:7555.7/1

Left: 87.989+/-0.036 χ^2/NDF: 219811.4/3

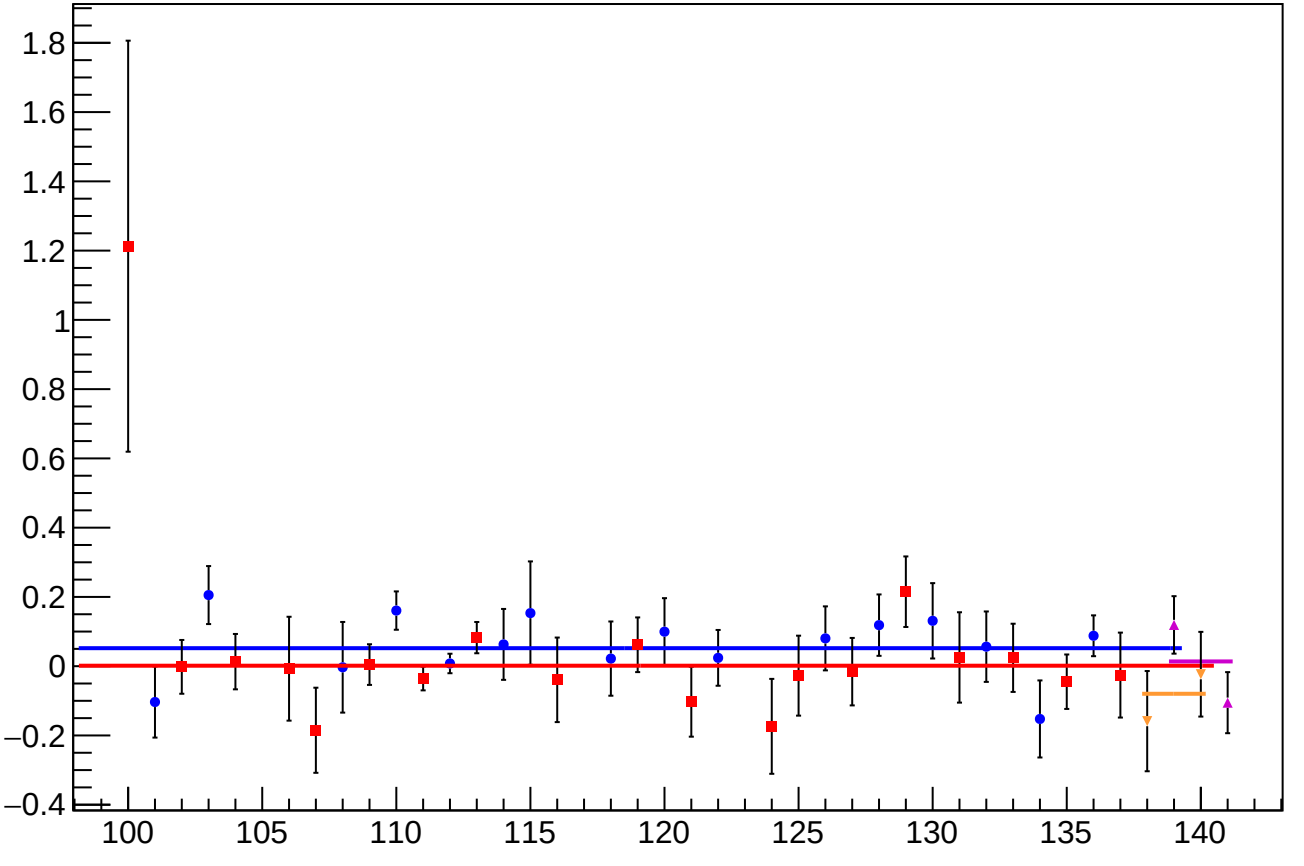
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 44.025+/-0.012 χ^2/NDF:3604024.3/17

Out: 46.264+/-0.012 χ^2/NDF:3112432.3/20

All: 45.108+/-0.009 χ^2/NDF: 6733143.6/38

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.080+/-0.093 χ^2/NDF:0.5/1

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.014+/-0.060 χ^2/NDF:3.4/1

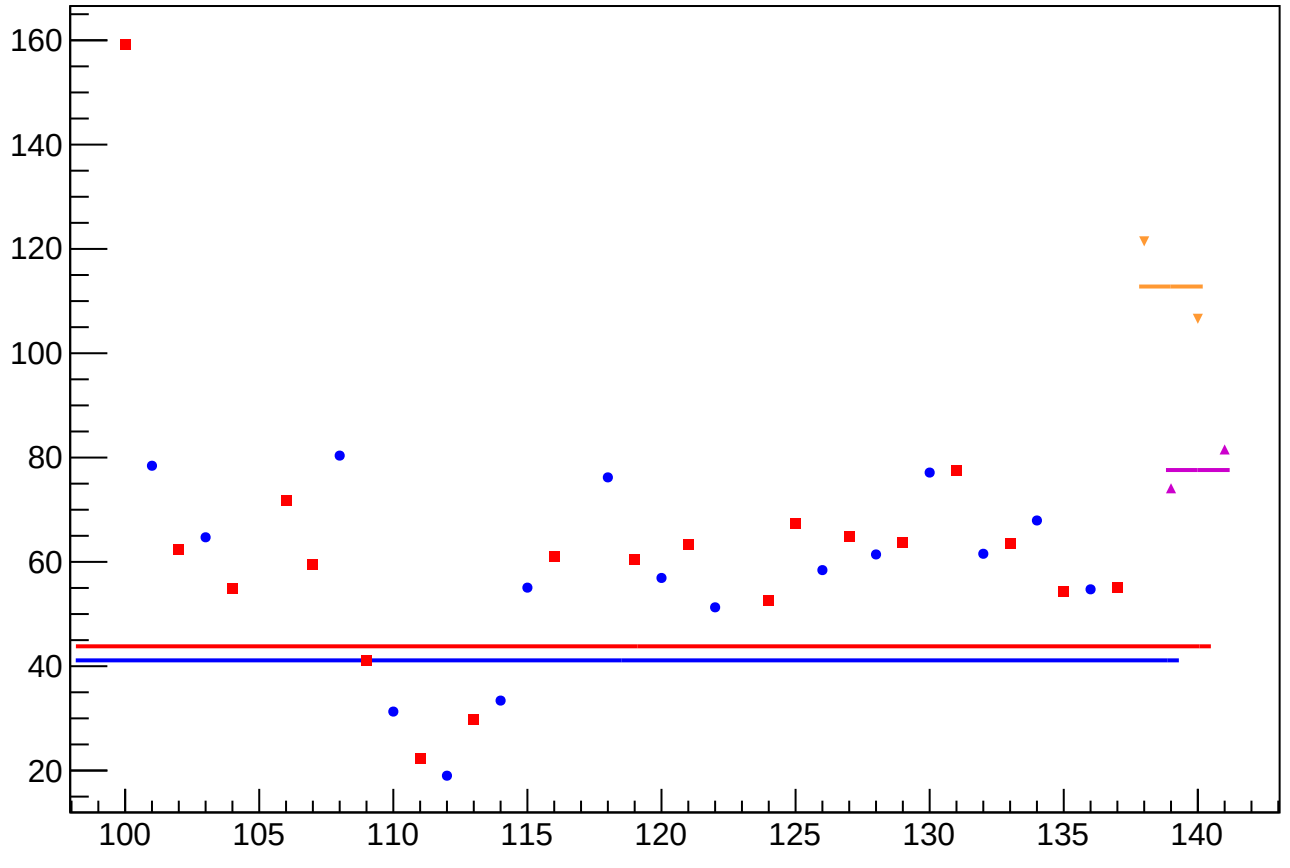
Left: -0.014+/-0.051 χ^2/NDF: 4.7/3

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.017 χ^2/NDF:21.8/17

Out: -0.001+/-0.018 χ^2/NDF:20.5/20

All: 0.025+/-0.012 χ^2/NDF: 46.5/38



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 112.792+/-0.066 χ^2/NDF:12275.3/1

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 77.610+/-0.043 χ^2/NDF:7555.7/1

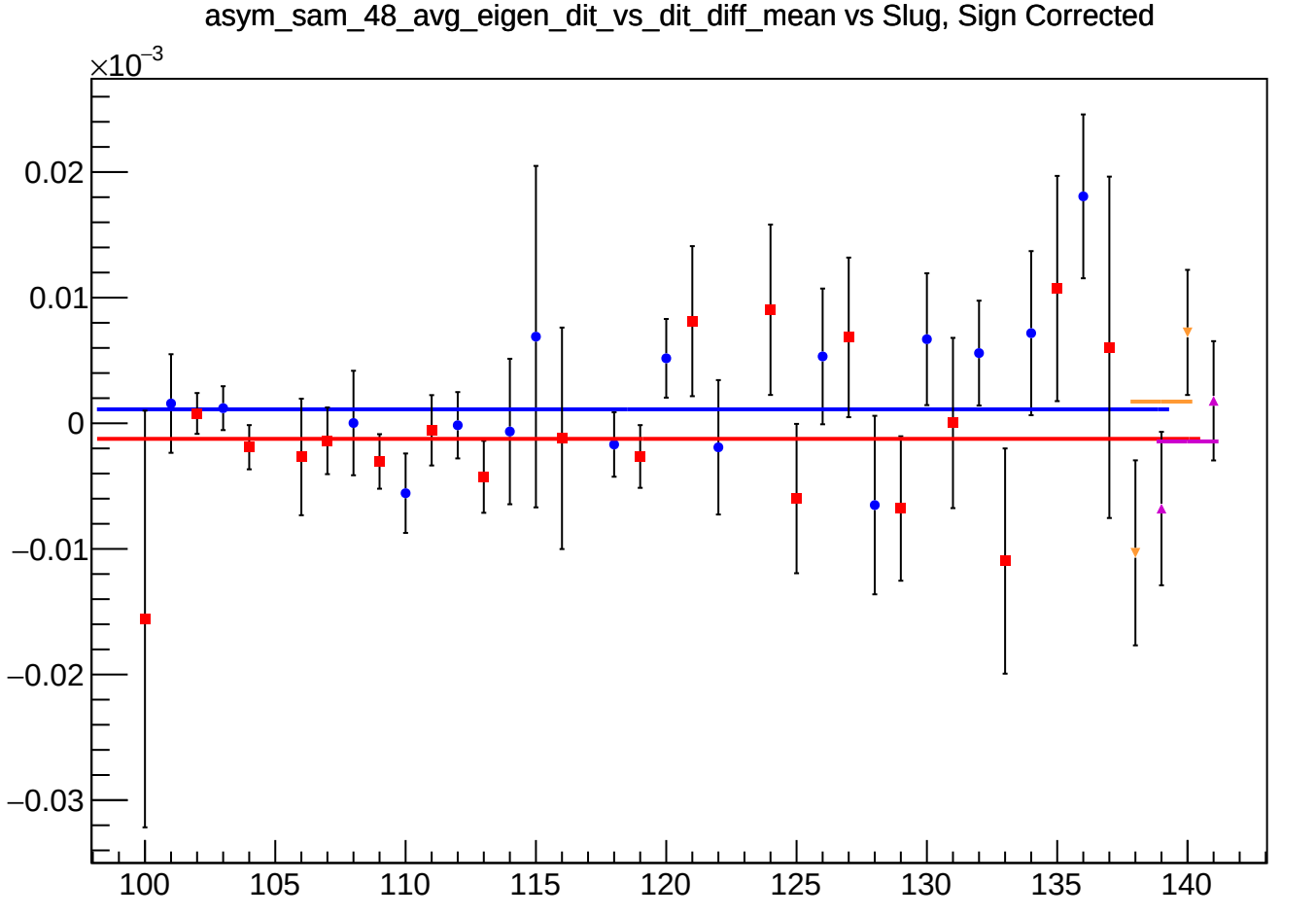
Left: 87.989+/-0.036 χ^2/NDF: 219811.4/3

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 44.025+/-0.012 χ^2/NDF:3604024.3/17

Out: 46.264+/-0.012 χ^2/NDF:3112432.3/20

All: 45.108+/-0.009 χ^2/NDF: 6733143.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/1

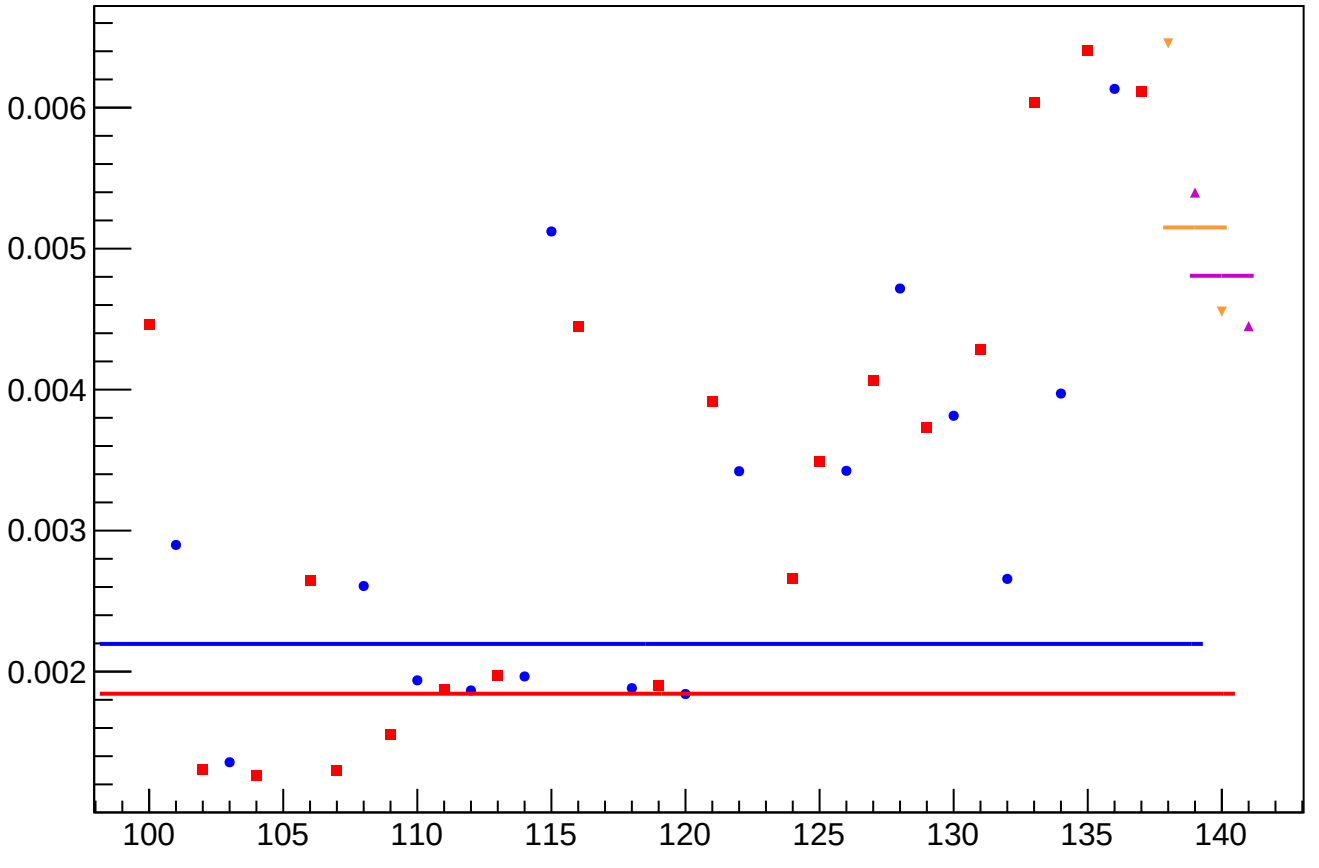
Left: -0.000+/-0.000 χ^2/NDF: 5.5/3

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:21.6/17

Out: -0.000+/-0.000 χ^2/NDF:20.3/20

All: -0.000+/-0.000 χ^2/NDF: 45.2/38



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:91574.4/1

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.005+/-0.000 χ^2/NDF:29983.6/1

Left: 0.005+/-0.000 χ^2/NDF: 129120.4/3

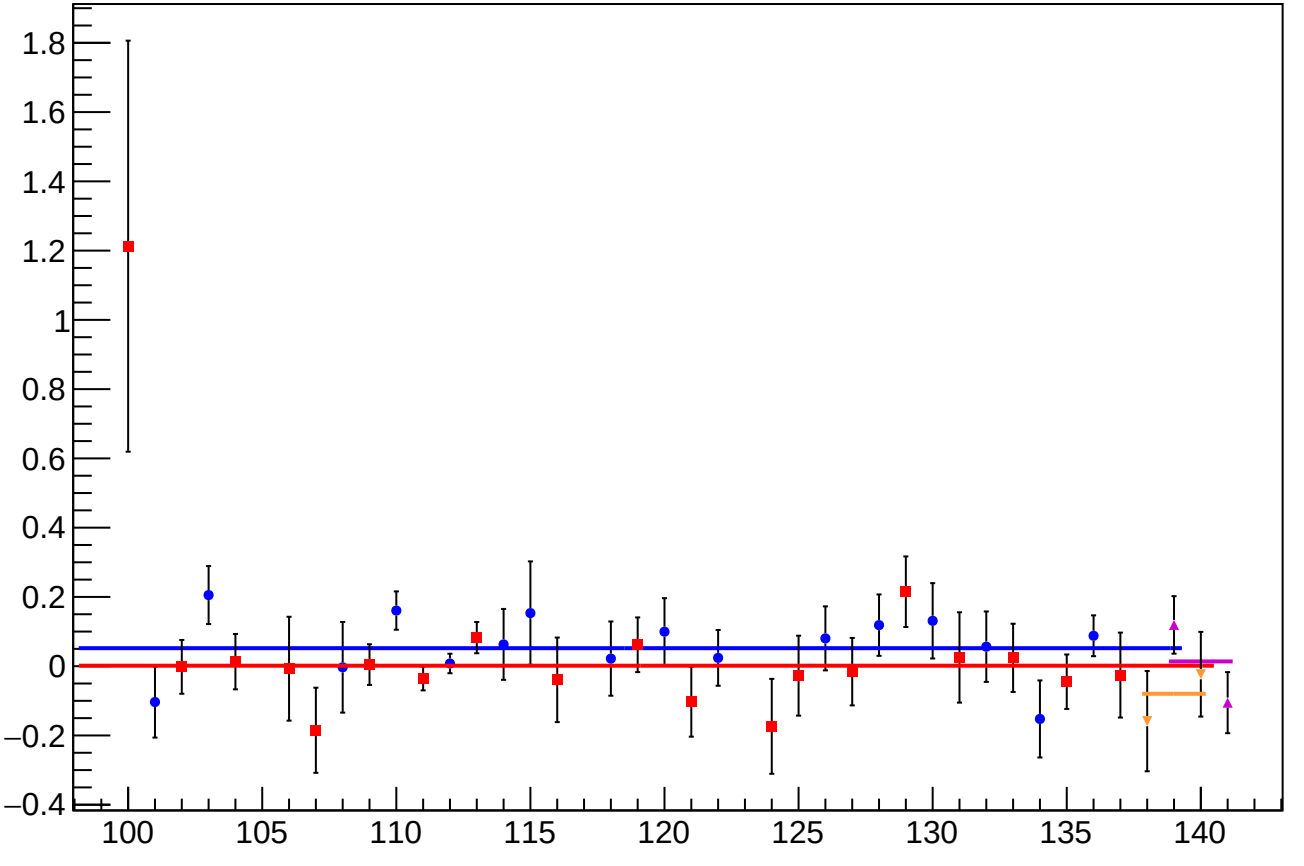
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:3239726.1/17

Out: 0.002+/-0.000 χ^2/NDF:4471836.9/20

All: 0.002+/-0.000 χ^2/NDF: 7936156.7/38

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.080+/-0.093 χ^2/NDF:0.5/1

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.014+/-0.060 χ^2/NDF:3.4/1

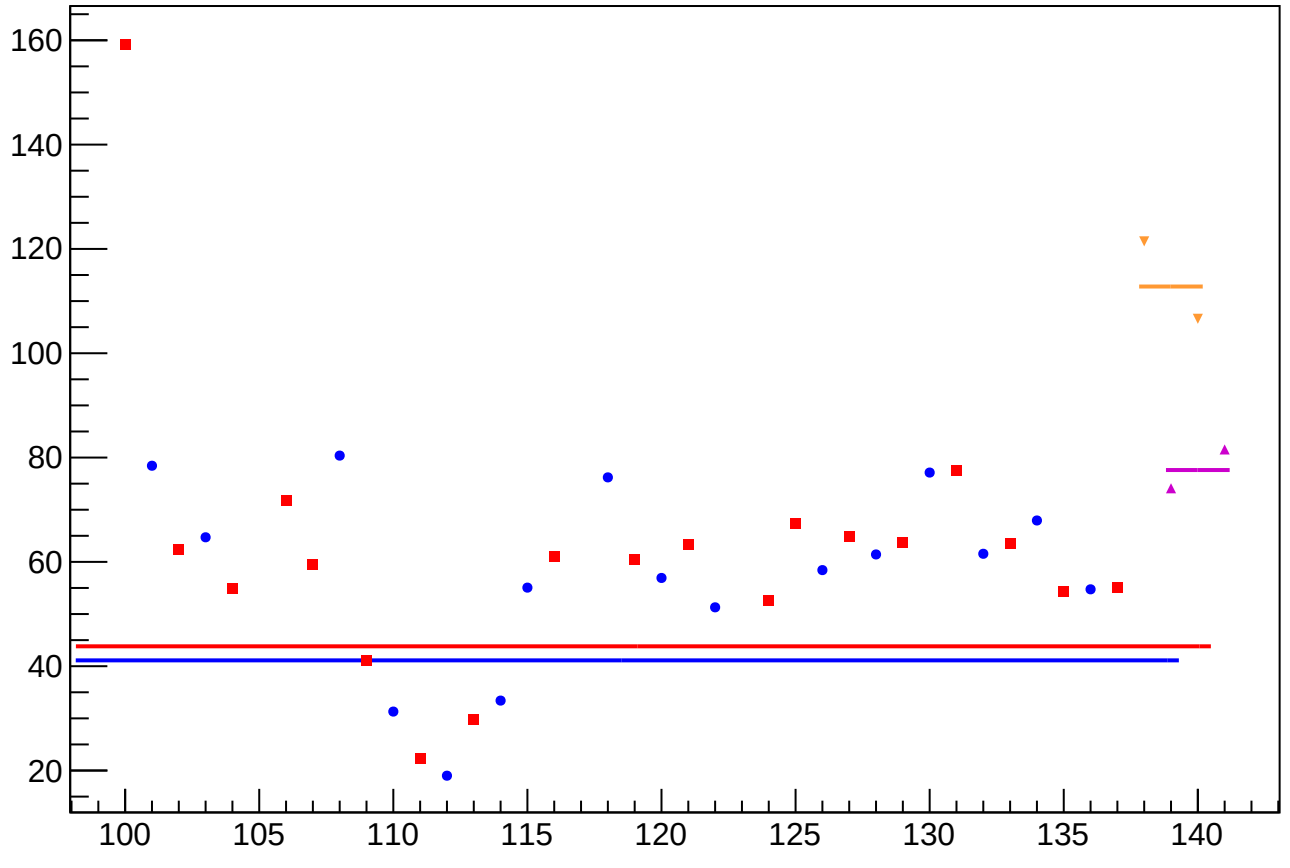
Left: -0.014+/-0.051 χ^2/NDF: 4.7/3

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.017 χ^2/NDF:21.8/17

Out: -0.001+/-0.018 χ^2/NDF:20.5/20

All: 0.025+/-0.012 χ^2/NDF: 46.5/38



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 112.792+/-0.066 χ^2/NDF:12271.8/1

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 77.610+/-0.043 χ^2/NDF:7558.9/1

Left: 87.989+/-0.036 χ^2/NDF: 219813.9/3

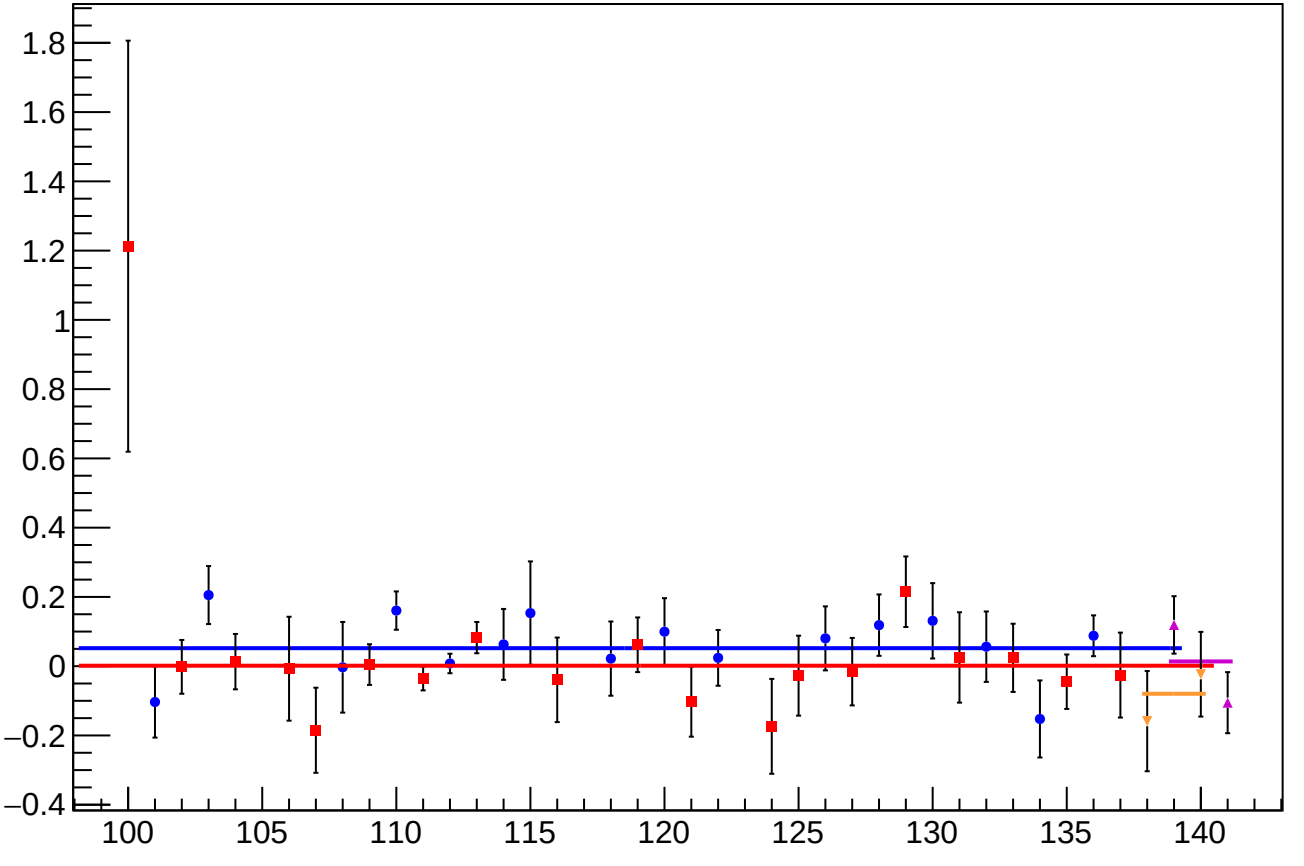
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 44.024+/-0.012 χ^2/NDF:3604219.8/17

Out: 46.263+/-0.012 χ^2/NDF:3112632.7/20

All: 45.107+/-0.009 χ^2/NDF: 6733540.0/38

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.080+/-0.093 χ^2/NDF:0.5/1

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.014+/-0.060 χ^2/NDF:3.4/1

Left: -0.014+/-0.051 χ^2/NDF: 4.7/3

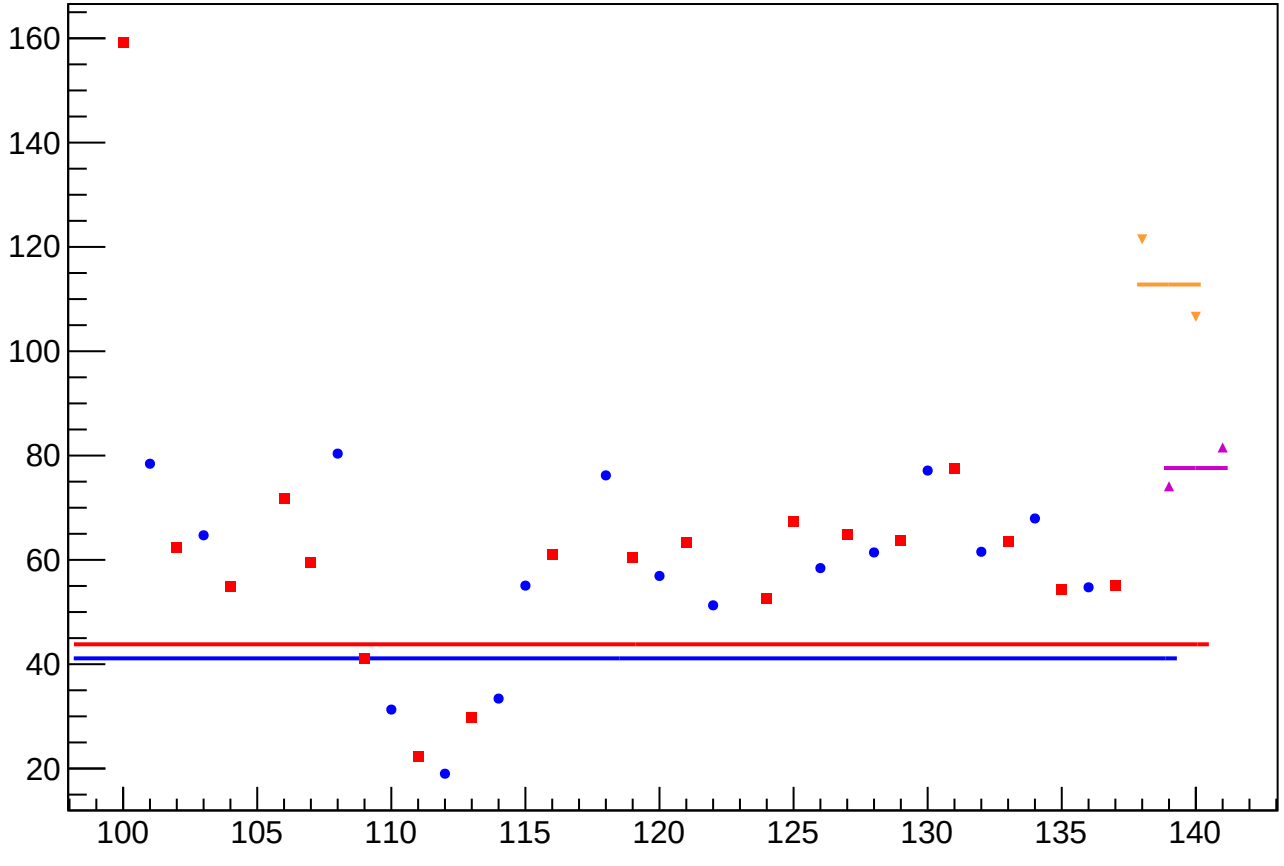
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.017 χ^2/NDF:21.8/17

Out: -0.001+/-0.018 χ^2/NDF:20.5/20

All: 0.025+/-0.012 χ^2/NDF: 46.5/38

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 112.792+/-0.066 χ^2/NDF:12271.8/1

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 77.610+/-0.043 χ^2/NDF:7558.9/1

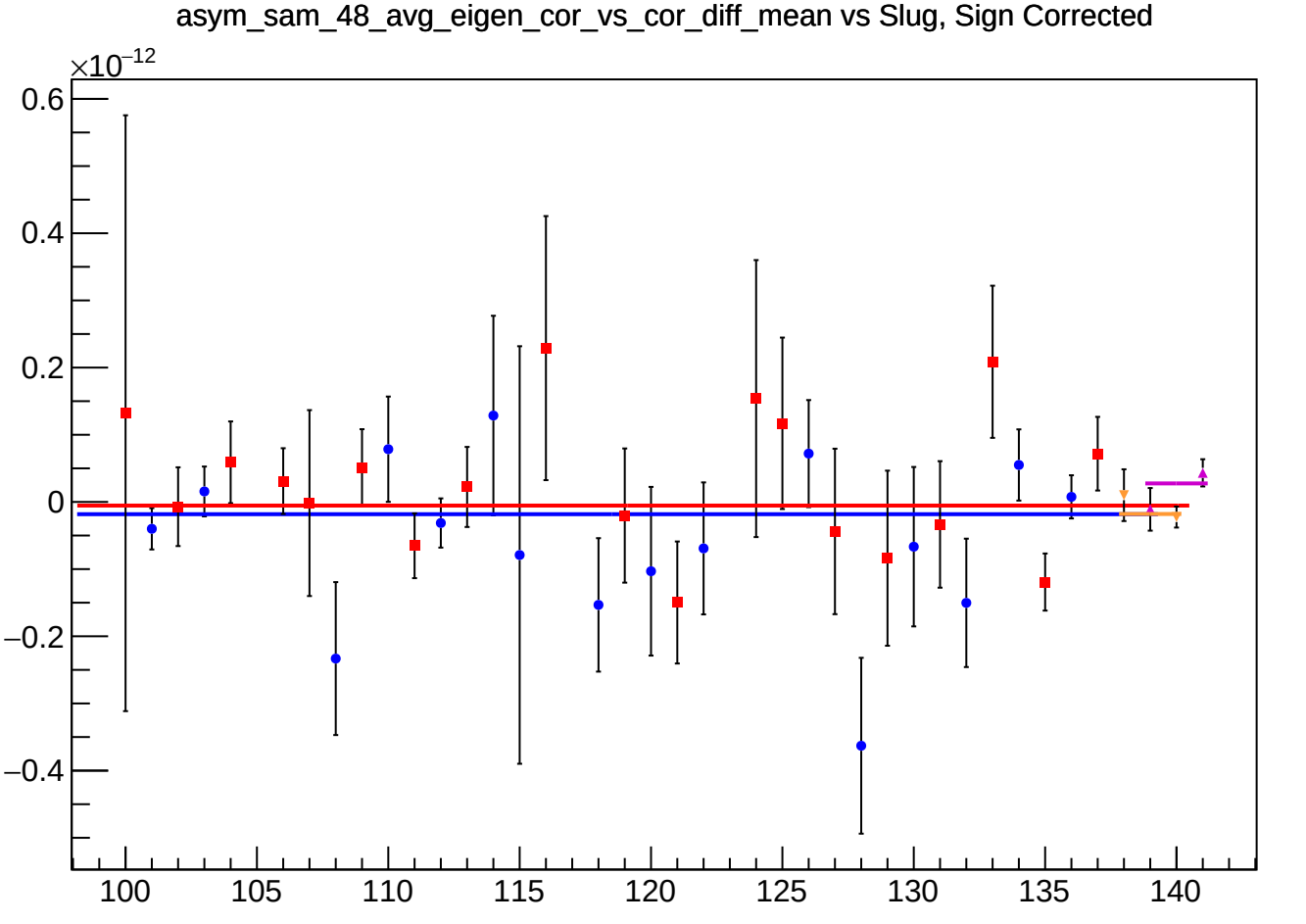
Left: 87.989+/-0.036 χ^2/NDF: 219813.9/3

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 44.024+/-0.012 χ^2/NDF:3604219.8/17

Out: 46.263+/-0.012 χ^2/NDF:3112632.7/20

All: 45.107+/-0.009 χ^2/NDF: 6733540.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/1

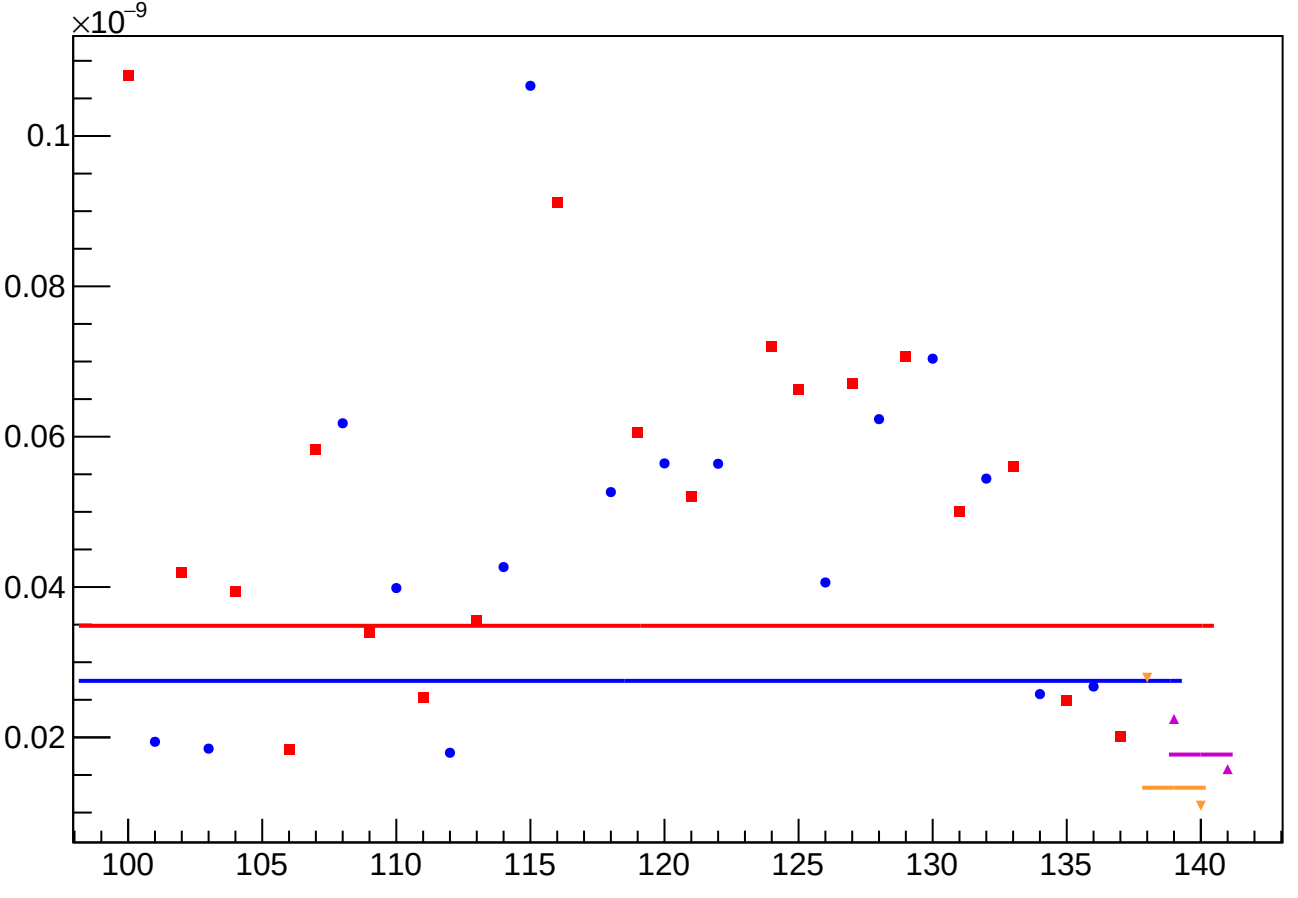
Left: 0.000+/-0.000 χ^2/NDF: 6.8/3

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:29.3/17

Out: -0.000+/-0.000 χ^2/NDF:24.2/20

All: -0.000+/-0.000 χ^2/NDF: 54.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:335405.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:62883.6/1

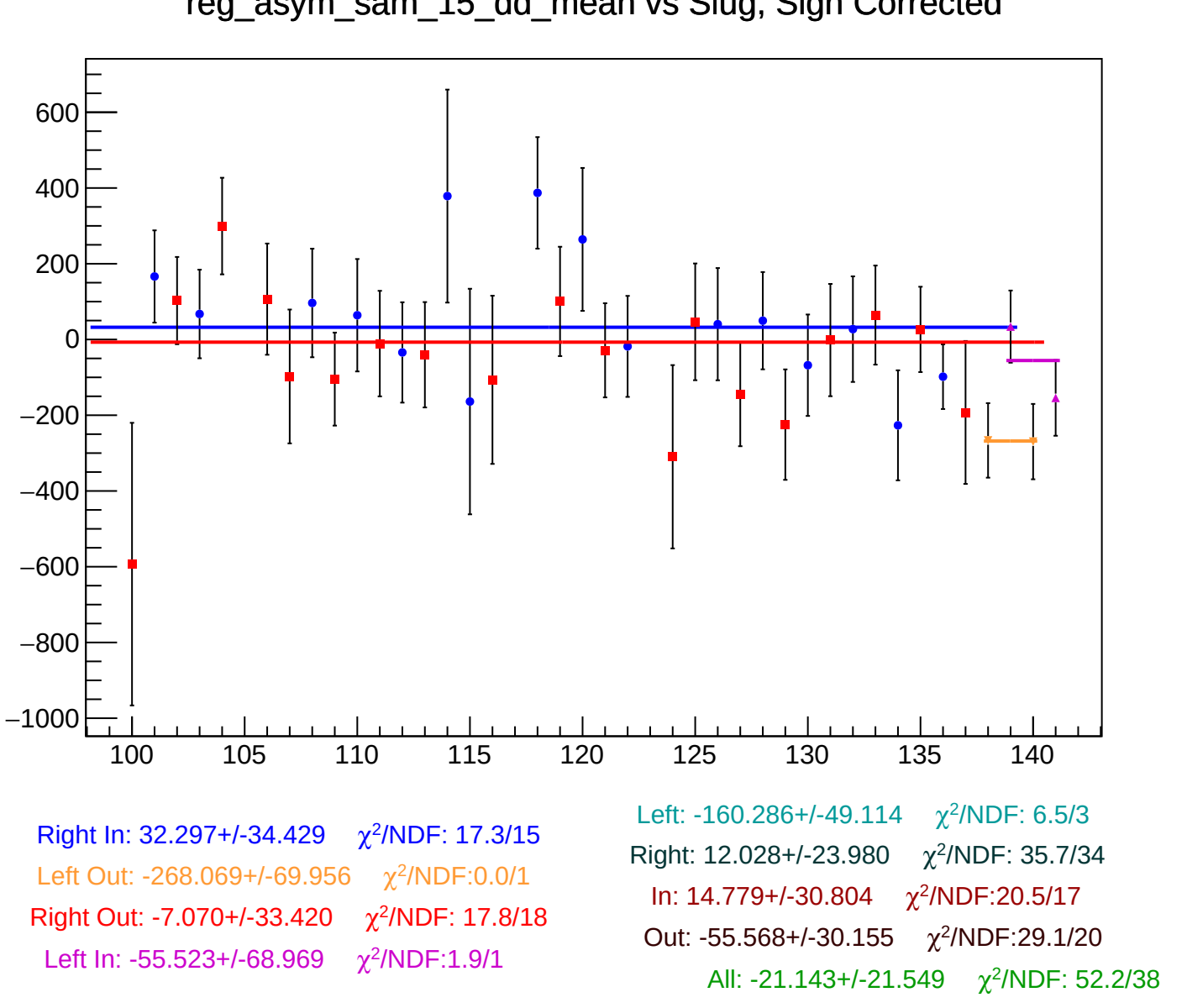
Left: 0.000+/-0.000 χ^2/NDF: 475959.7/3

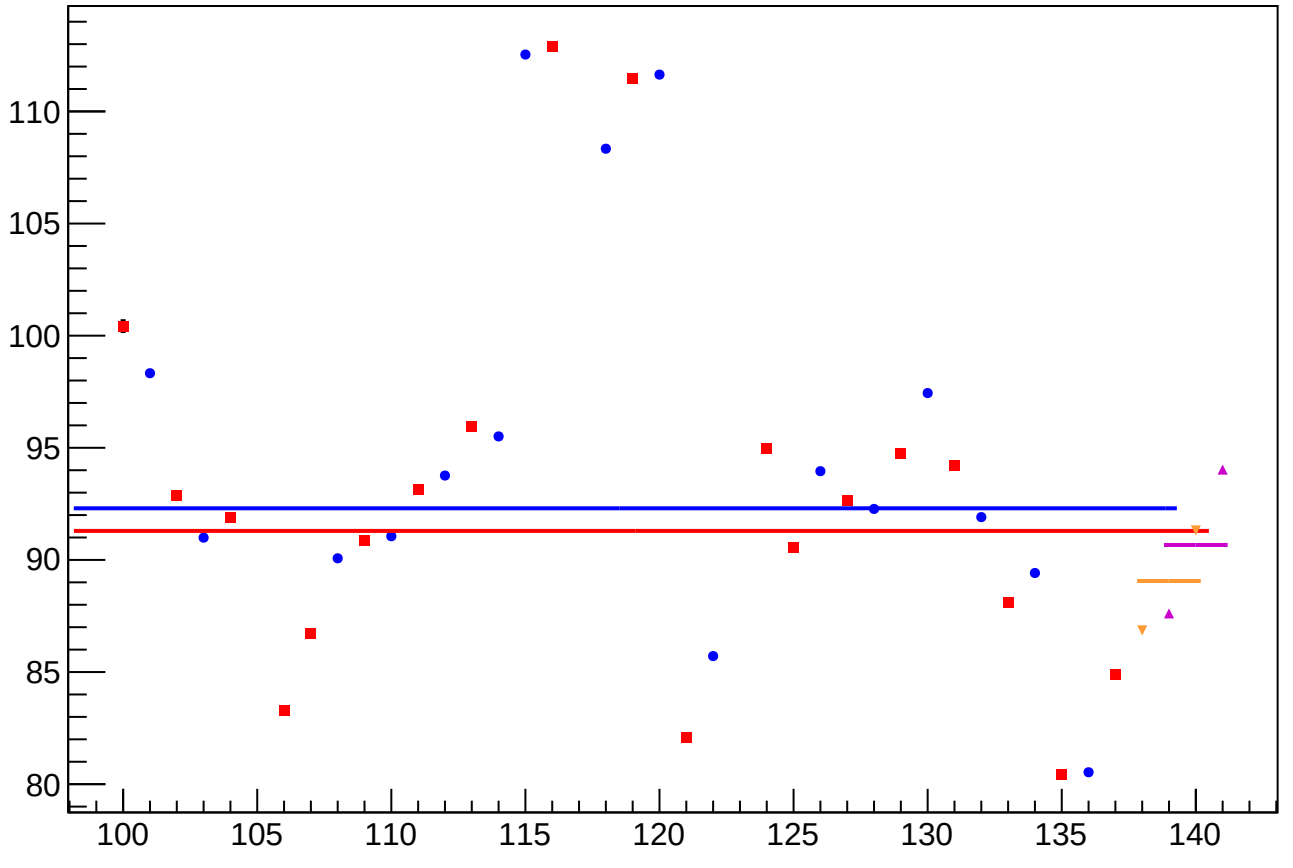
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2247864.1/17

Out: 0.000+/-0.000 χ^2/NDF:3914793.6/20

All: 0.000+/-0.000 χ^2/NDF: 6169402.1/38


reg_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
105
110
115
120
125
130
135
140
Right In: 32.297+/-34.429 χ²/NDF: 17.3/15
Left Out: -268.069+/-69.956 χ²/NDF:0.0/1
Right Out: -7.070+/-33.420 χ²/NDF: 17.8/18
Left In: -55.523+/-68.969 χ²/NDF:1.9/1
Left: -160.286+/-49.114 χ²/NDF: 6.5/3
Right: 12.028+/-23.980 χ²/NDF: 35.7/34
In: 14.779+/-30.804 χ²/NDF:20.5/17
Out: -55.568+/-30.155 χ²/NDF:29.1/20
All: -21.143+/-21.549 χ²/NDF: 52.2/38



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.060+/-0.049 χ^2/NDF:2030.2/1

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 90.667+/-0.049 χ^2/NDF:4313.4/1

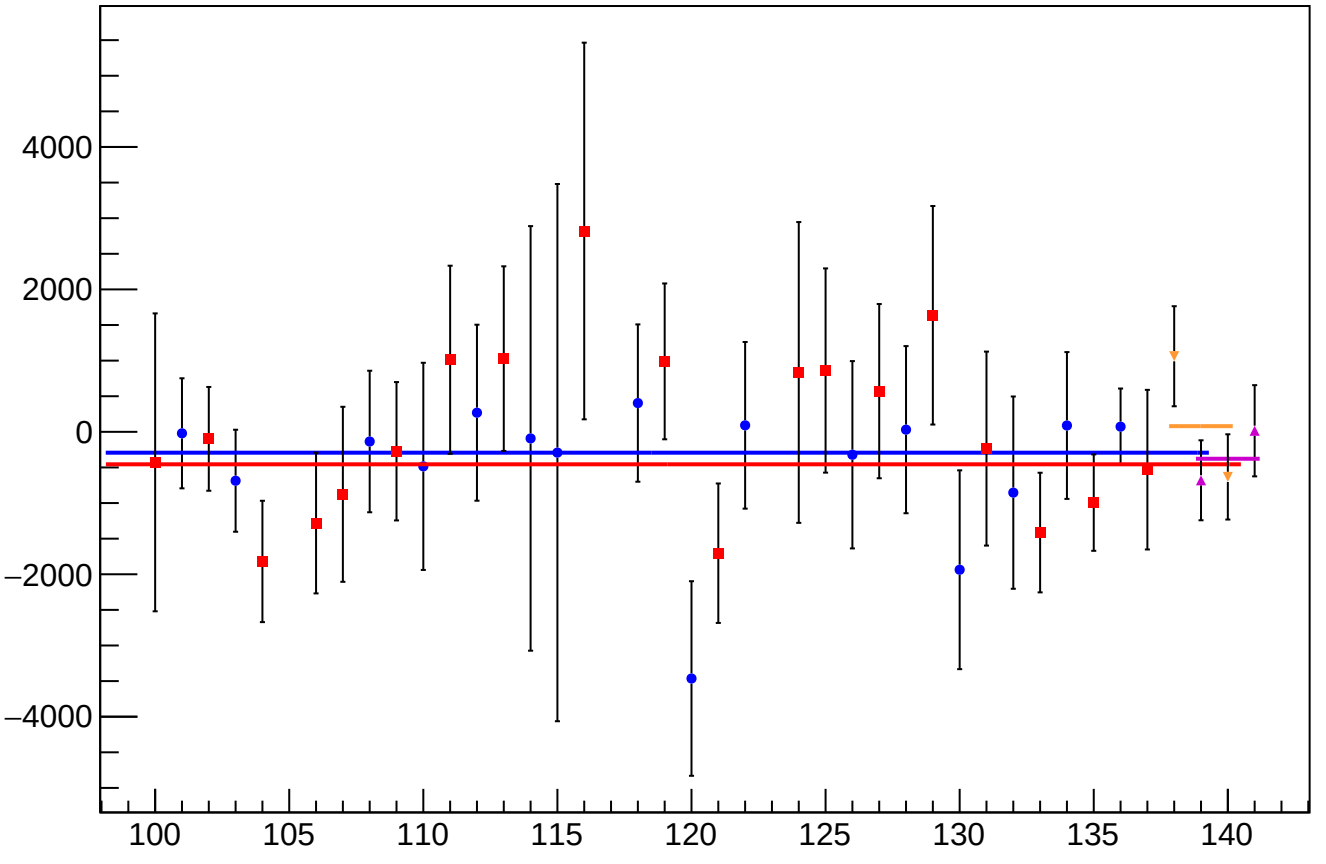
Left: 89.875+/-0.035 χ^2/NDF: 6878.4/3

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 91.976+/-0.022 χ^2/NDF:112280.1/17

Out: 90.879+/-0.021 χ^2/NDF:108786.6/20

All: 91.416+/-0.015 χ^2/NDF: 222362.9/38



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 79.653+/-455.582 χ^2/NDF:3.4/1

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -377.944+/-422.177 χ^2/NDF:0.7/1

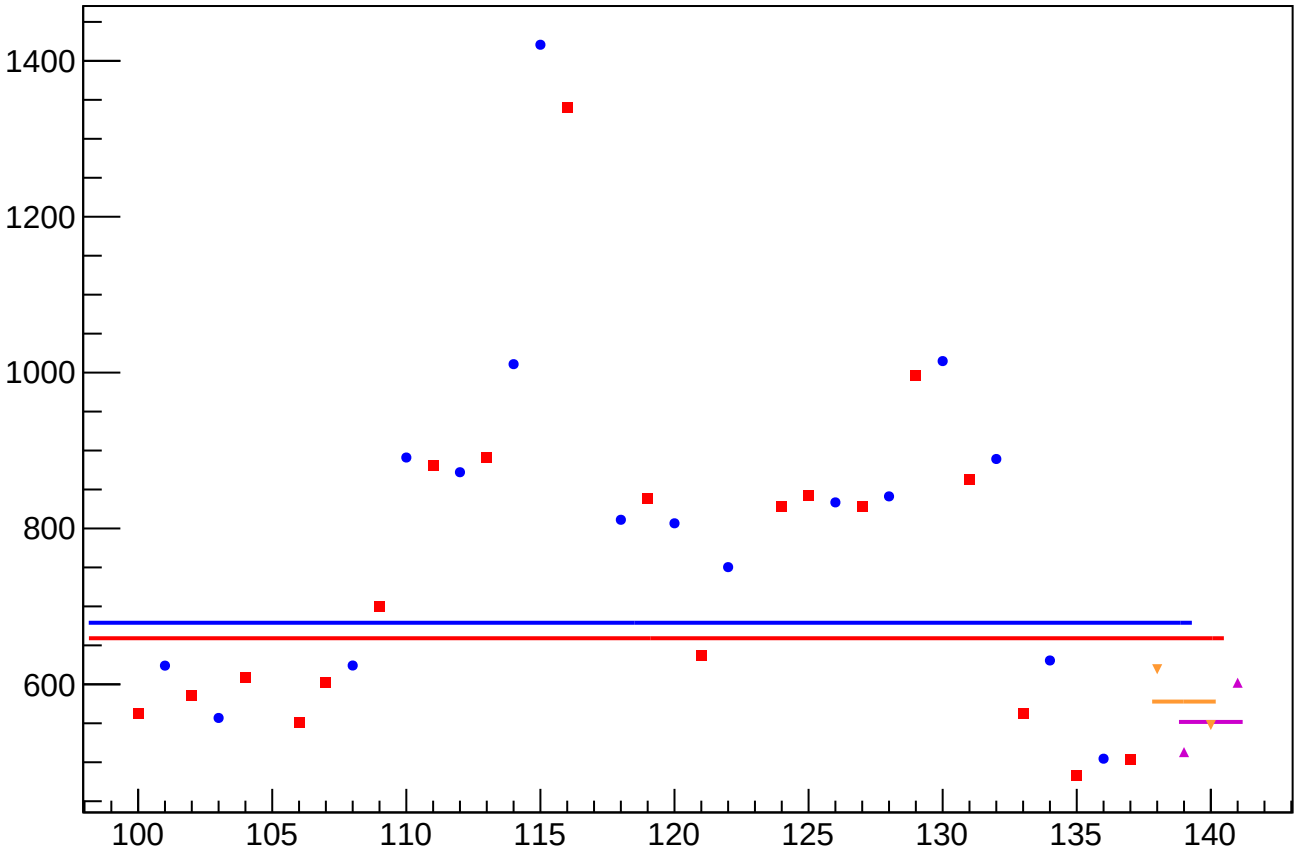
Left: -166.535+/-309.661 χ^2/NDF: 4.6/3

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -316.141+/-221.195 χ^2/NDF:9.5/17

Out: -332.878+/-218.303 χ^2/NDF:21.3/20

All: -324.620+/-155.376 χ^2/NDF: 30.8/38



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 577.871+/-0.322 χ^2/NDF:12037.6/1

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 551.739+/-0.299 χ^2/NDF:21856.8/1

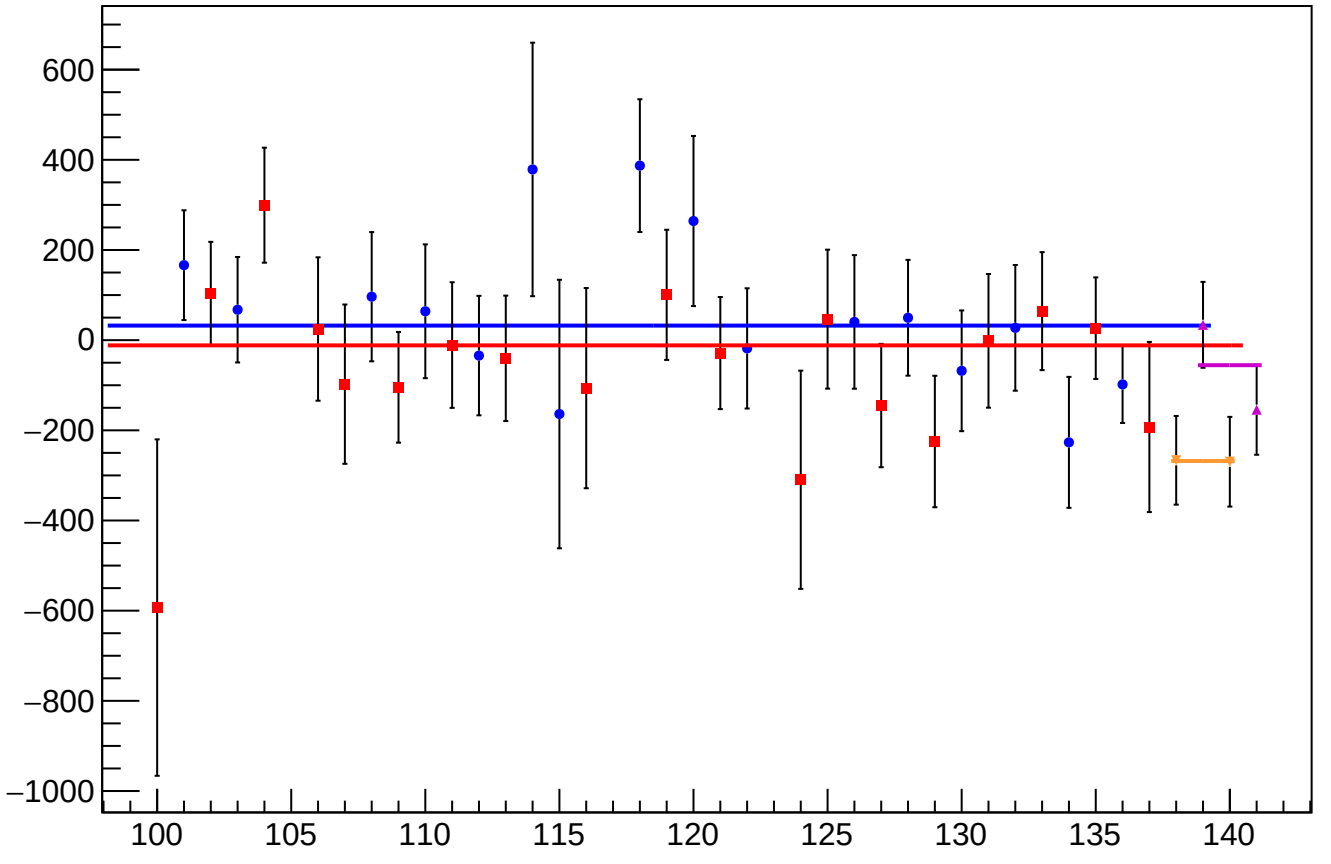
Left: 563.812+/-0.219 χ^2/NDF: 37434.6/3

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 644.068+/-0.156 χ^2/NDF:921691.8/17

Out: 640.475+/-0.154 χ^2/NDF:856937.3/20

All: 642.247+/-0.110 χ^2/NDF: 1778896.3/38



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -268.062+/-69.956 χ^2/NDF:0.0/1

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -55.526+/-68.969 χ^2/NDF:1.9/1

Left: -160.284+/-49.114 χ^2/NDF: 6.5/3

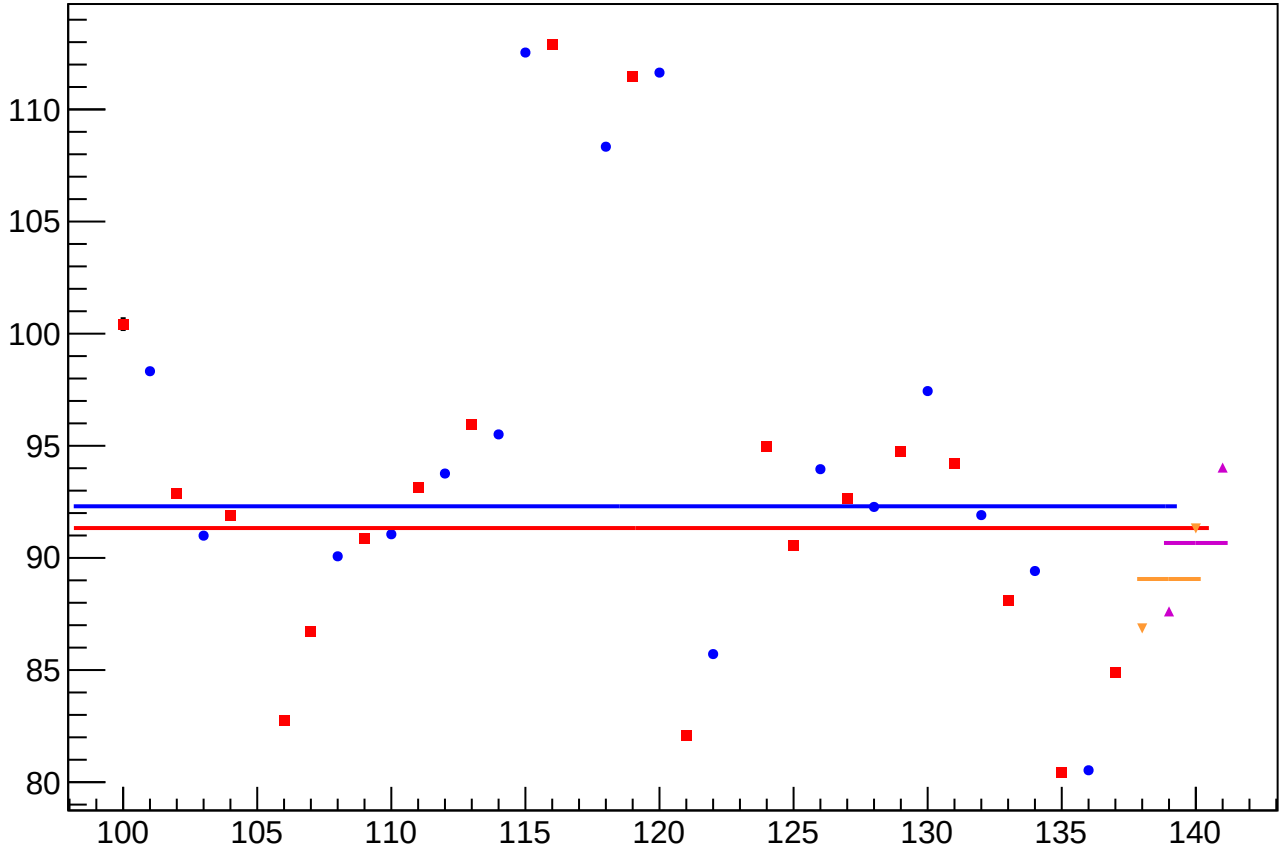
Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: 14.790+/-30.804 χ^2/NDF:20.5/17

Out: -59.534+/-30.250 χ^2/NDF:28.1/20

All: -23.046+/-21.583 χ^2/NDF: 51.5/38

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.060+/-0.049 χ^2/NDF:2030.2/1

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 90.667+/-0.049 χ^2/NDF:4313.4/1

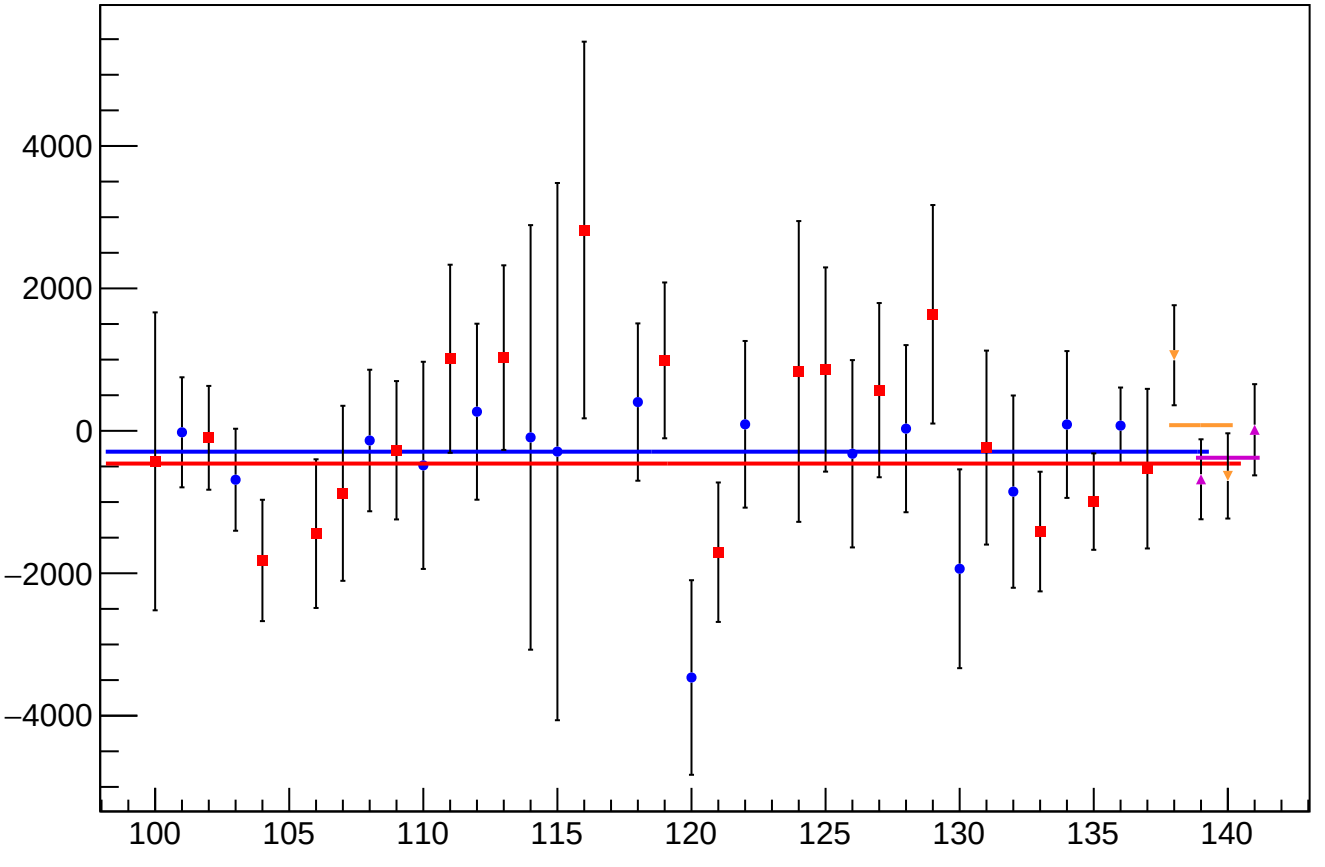
Left: 89.875+/-0.035 χ^2/NDF: 6878.5/3

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 91.976+/-0.022 χ^2/NDF:112280.1/17

Out: 90.907+/-0.021 χ^2/NDF:108663.3/20

All: 91.432+/-0.015 χ^2/NDF: 222169.3/38



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 79.651+/-455.582 χ^2/NDF:3.4/1

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -377.941+/-422.177 χ^2/NDF:0.7/1

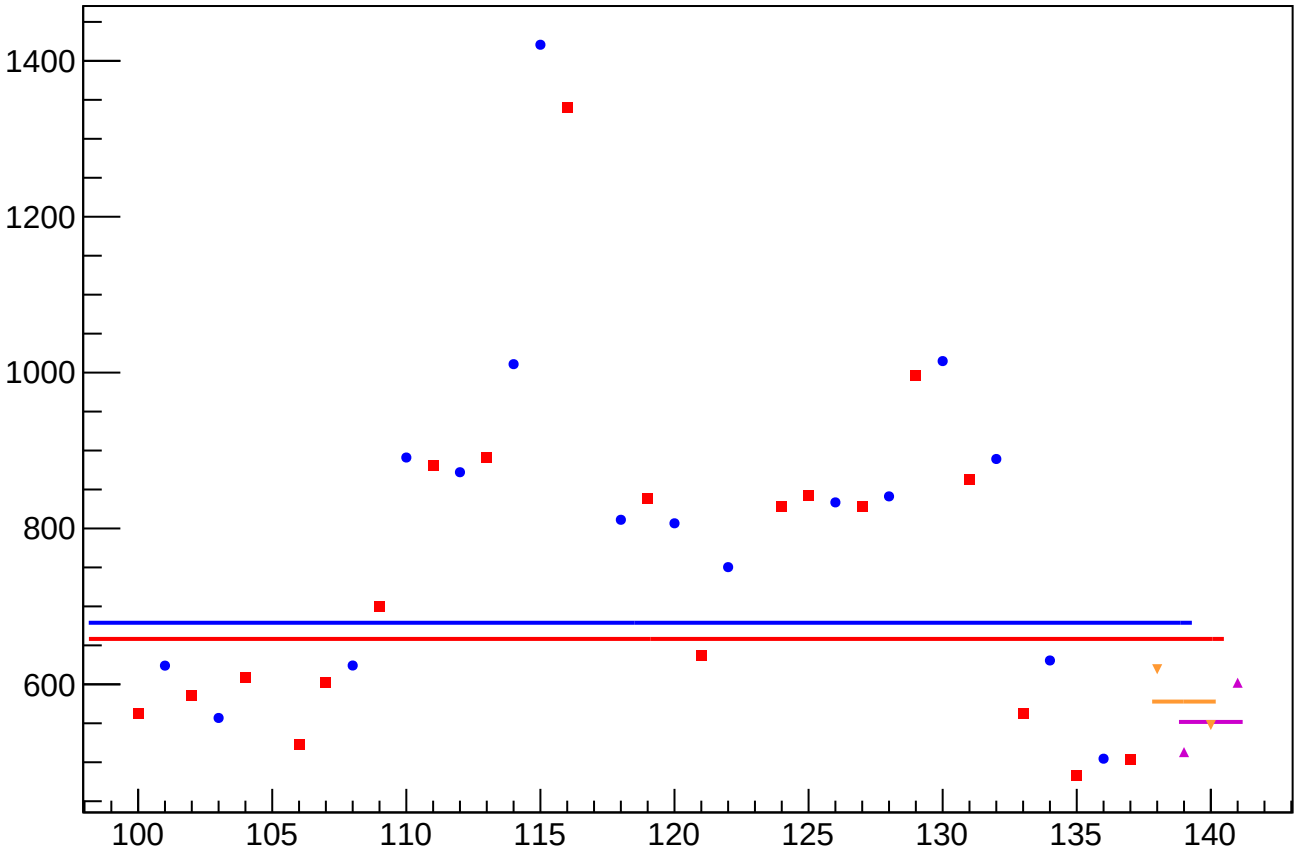
Left: -166.535+/-309.661 χ^2/NDF: 4.6/3

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -316.138+/-221.194 χ^2/NDF:9.5/17

Out: -335.146+/-218.861 χ^2/NDF:21.5/20

All: -325.743+/-155.577 χ^2/NDF: 31.0/38



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 577.871+/-0.322 χ^2/NDF:12037.7/1

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 551.739+/-0.299 χ^2/NDF:21856.7/1

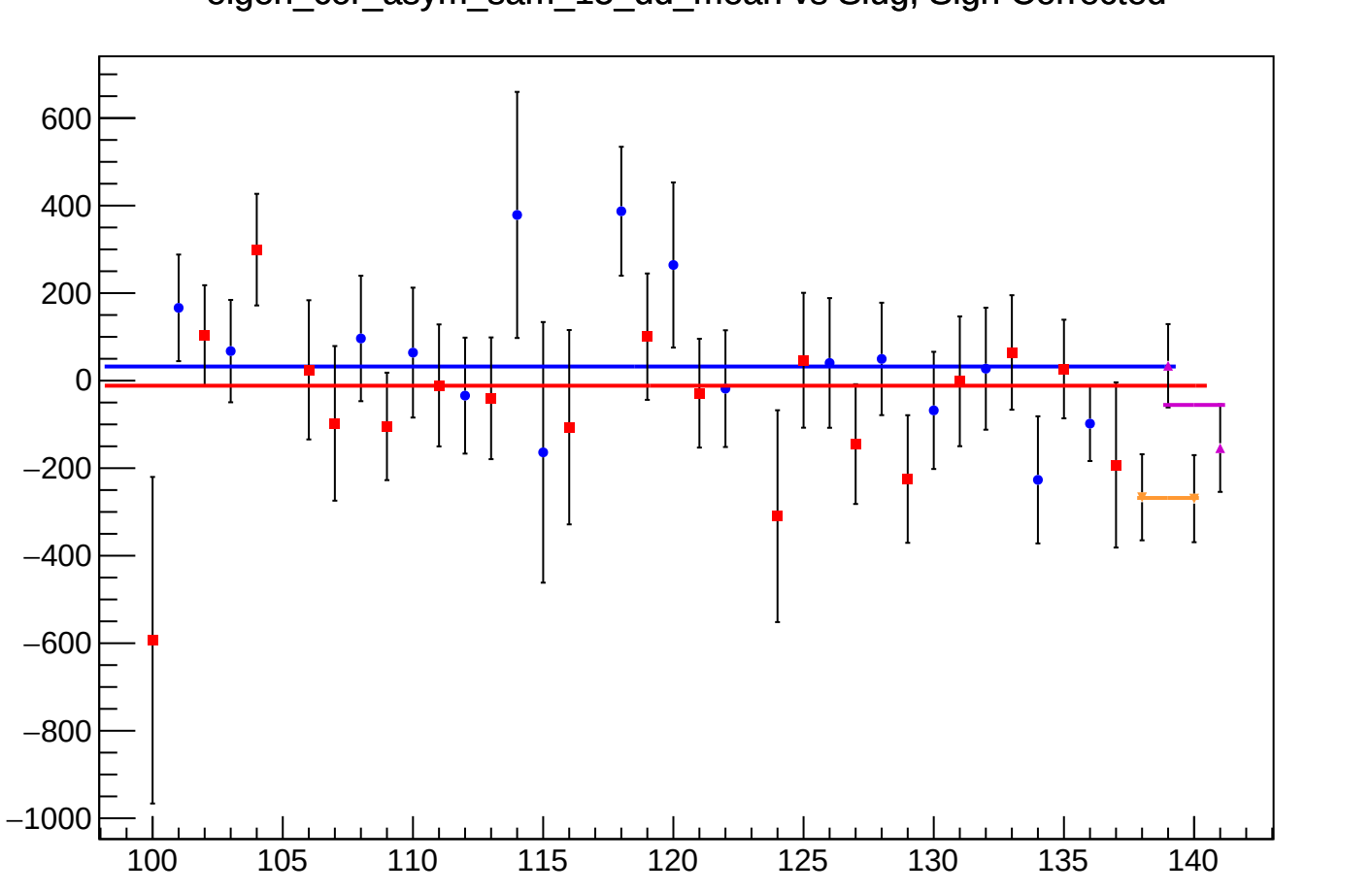
Left: 563.811+/-0.219 χ^2/NDF: 37434.6/3

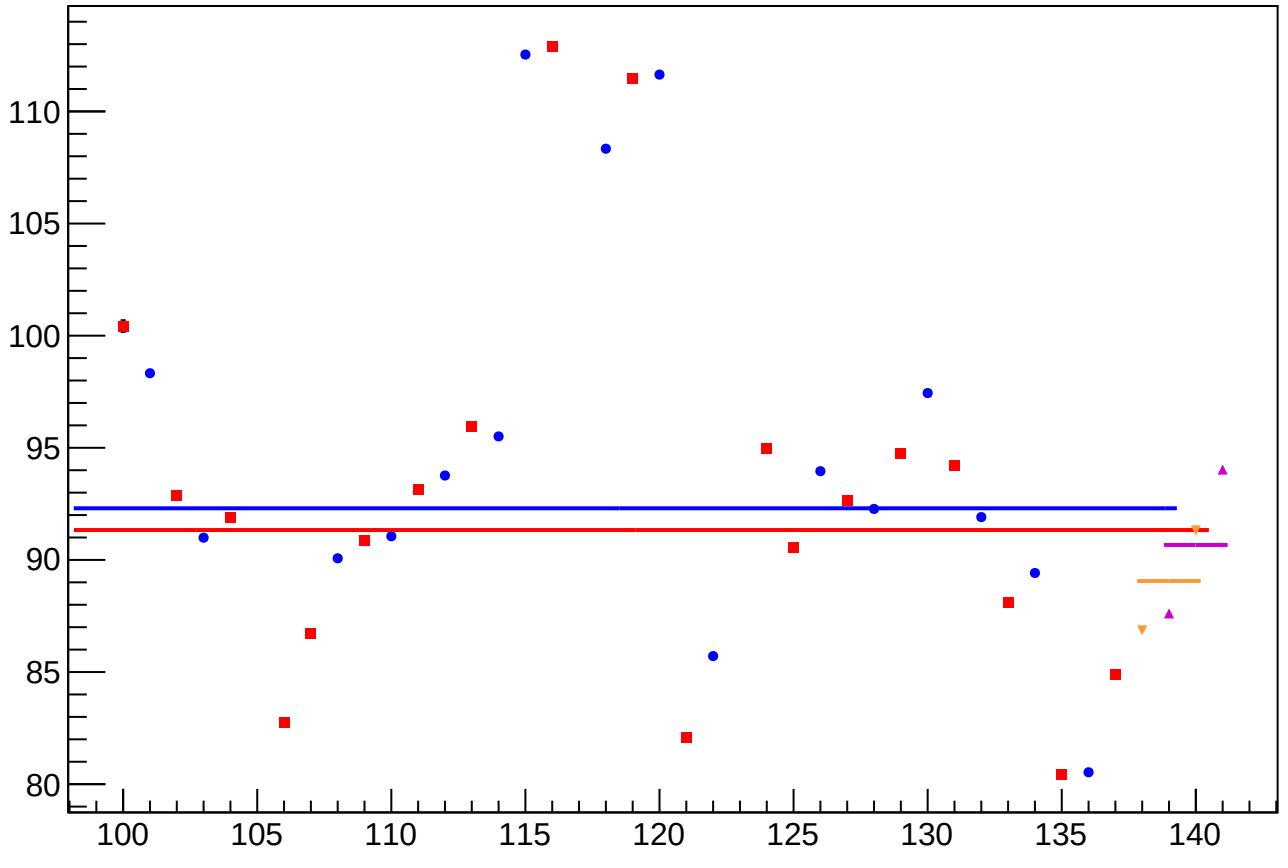
Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 644.067+/-0.156 χ^2/NDF:921693.3/17

Out: 639.709+/-0.155 χ^2/NDF:865839.0/20

All: 641.865+/-0.110 χ^2/NDF: 1787924.7/38


eigen_cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
105
110
115
120
125
130
135
140
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -268.062+/-69.956 χ²/NDF:0.0/1
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -55.526+/-68.969 χ²/NDF:1.9/1
Left: -160.284+/-49.114 χ²/NDF: 6.5/3
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: 14.790+/-30.804 χ²/NDF:20.5/17
Out: -59.534+/-30.250 χ²/NDF:28.1/20
All: -23.046+/-21.583 χ²/NDF: 51.5/38



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.060+/-0.049 χ^2/NDF:2030.2/1

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 90.667+/-0.049 χ^2/NDF:4313.4/1

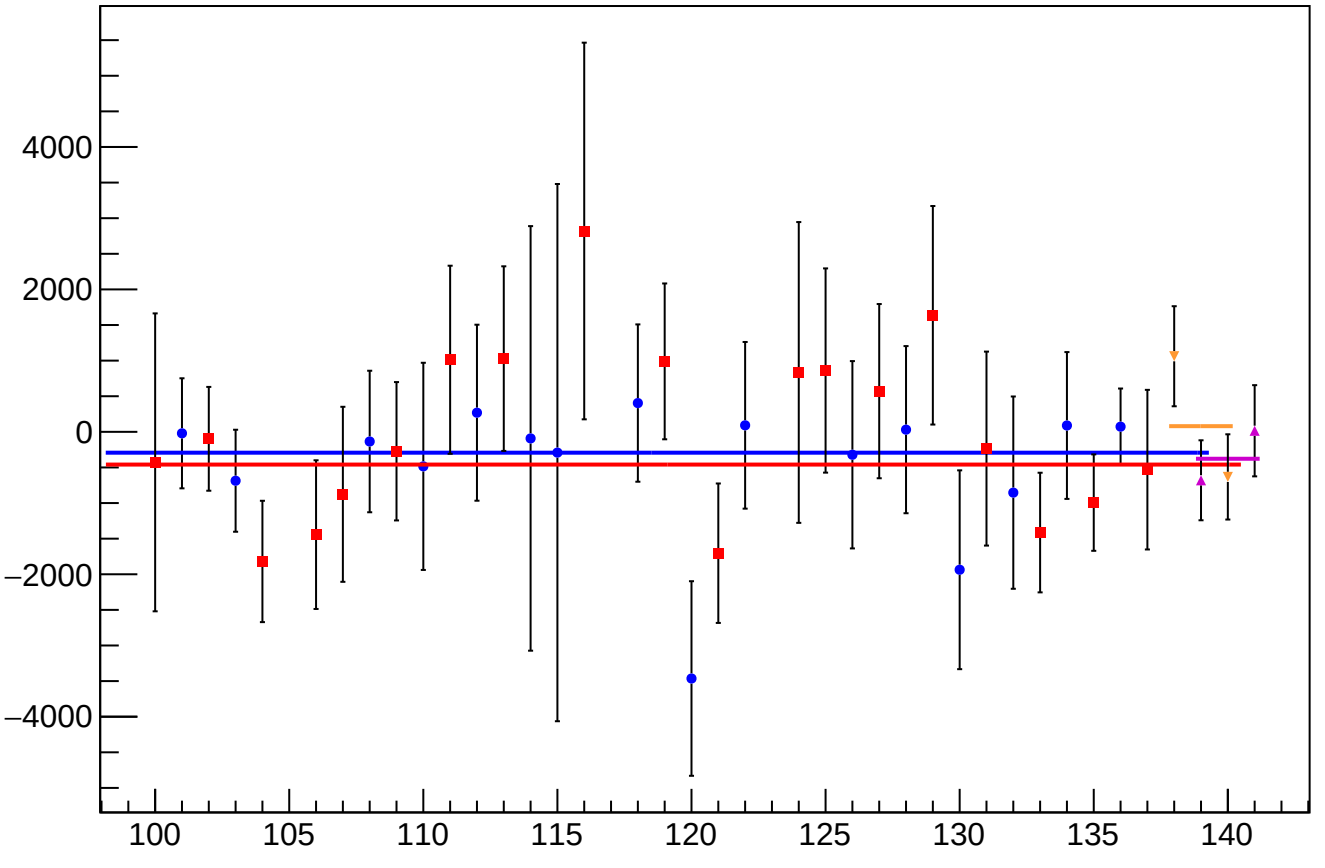
Left: 89.875+/-0.035 χ^2/NDF: 6878.5/3

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 91.976+/-0.022 χ^2/NDF:112280.1/17

Out: 90.907+/-0.021 χ^2/NDF:108663.3/20

All: 91.432+/-0.015 χ^2/NDF: 222169.3/38



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 79.651+/-455.582 χ^2/NDF:3.4/1

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -377.941+/-422.177 χ^2/NDF:0.7/1

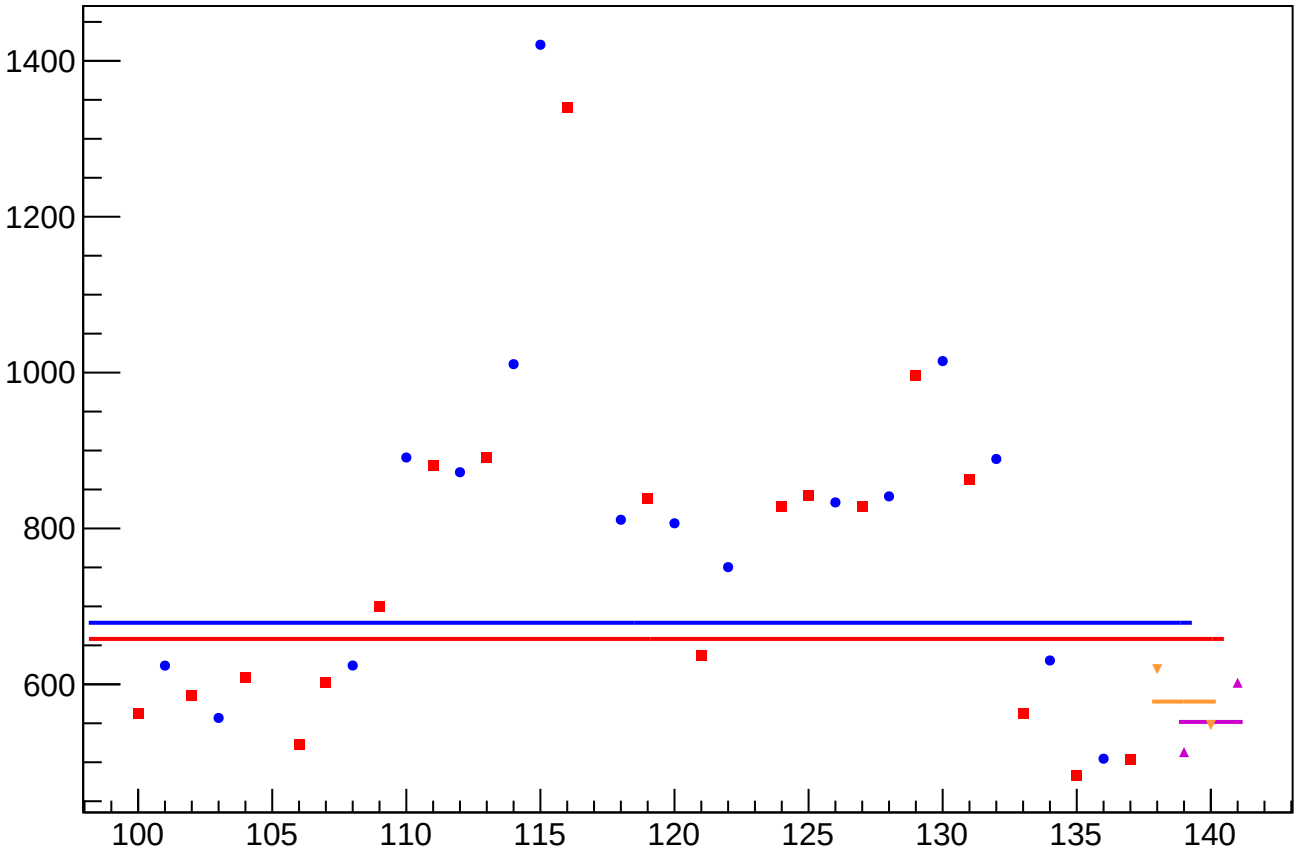
Left: -166.535+/-309.661 χ^2/NDF: 4.6/3

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -316.138+/-221.194 χ^2/NDF:9.5/17

Out: -335.146+/-218.861 χ^2/NDF:21.5/20

All: -325.743+/-155.577 χ^2/NDF: 31.0/38



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 577.871+/-0.322 χ^2/NDF:12037.7/1

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 551.739+/-0.299 χ^2/NDF:21856.7/1

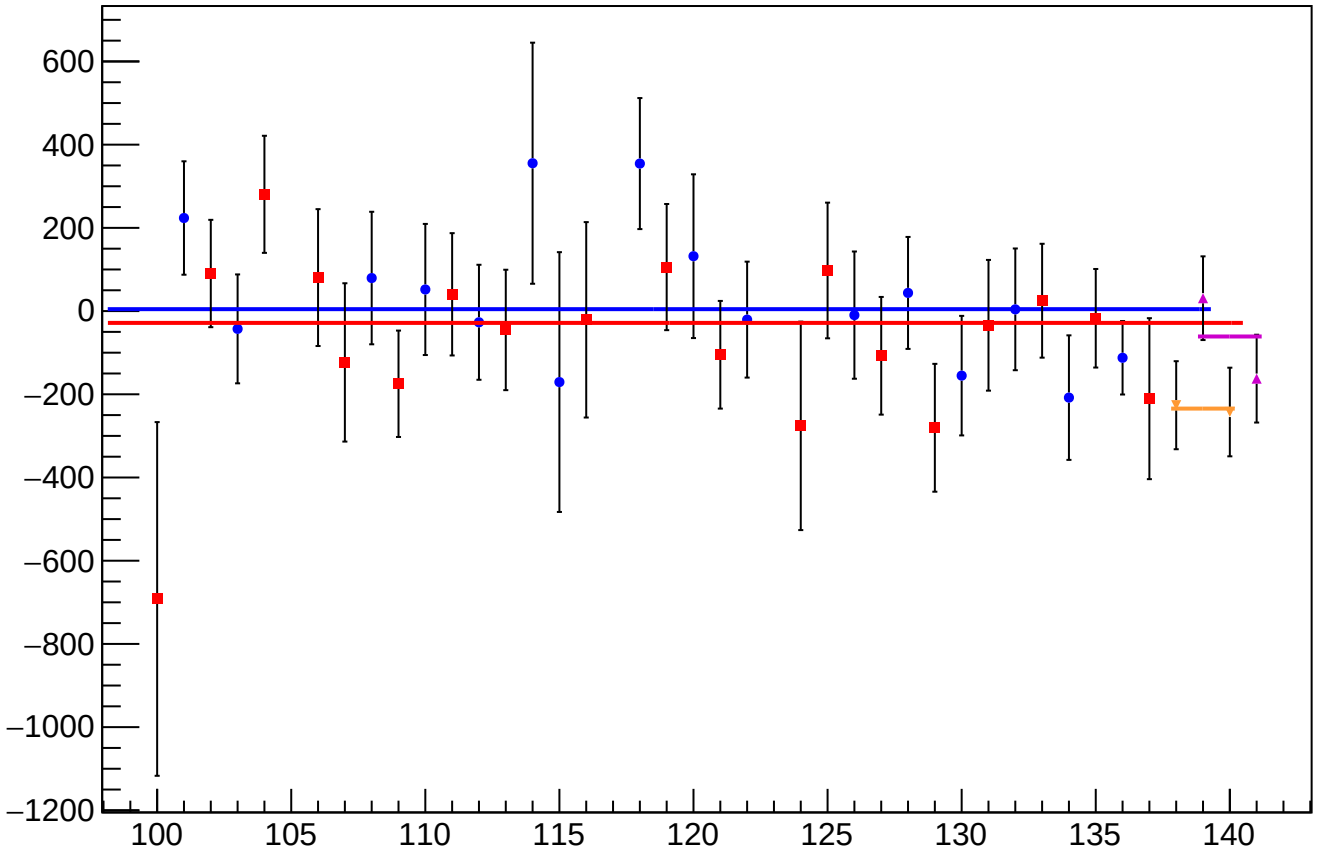
Left: 563.811+/-0.219 χ^2/NDF: 37434.6/3

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 644.067+/-0.156 χ^2/NDF:921693.3/17

Out: 639.709+/-0.155 χ^2/NDF:865839.0/20

All: 641.865+/-0.110 χ^2/NDF: 1787924.7/38



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -234.358+/-75.065 χ^2/NDF:0.0/1

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -61.067+/-72.818 χ^2/NDF:1.8/1

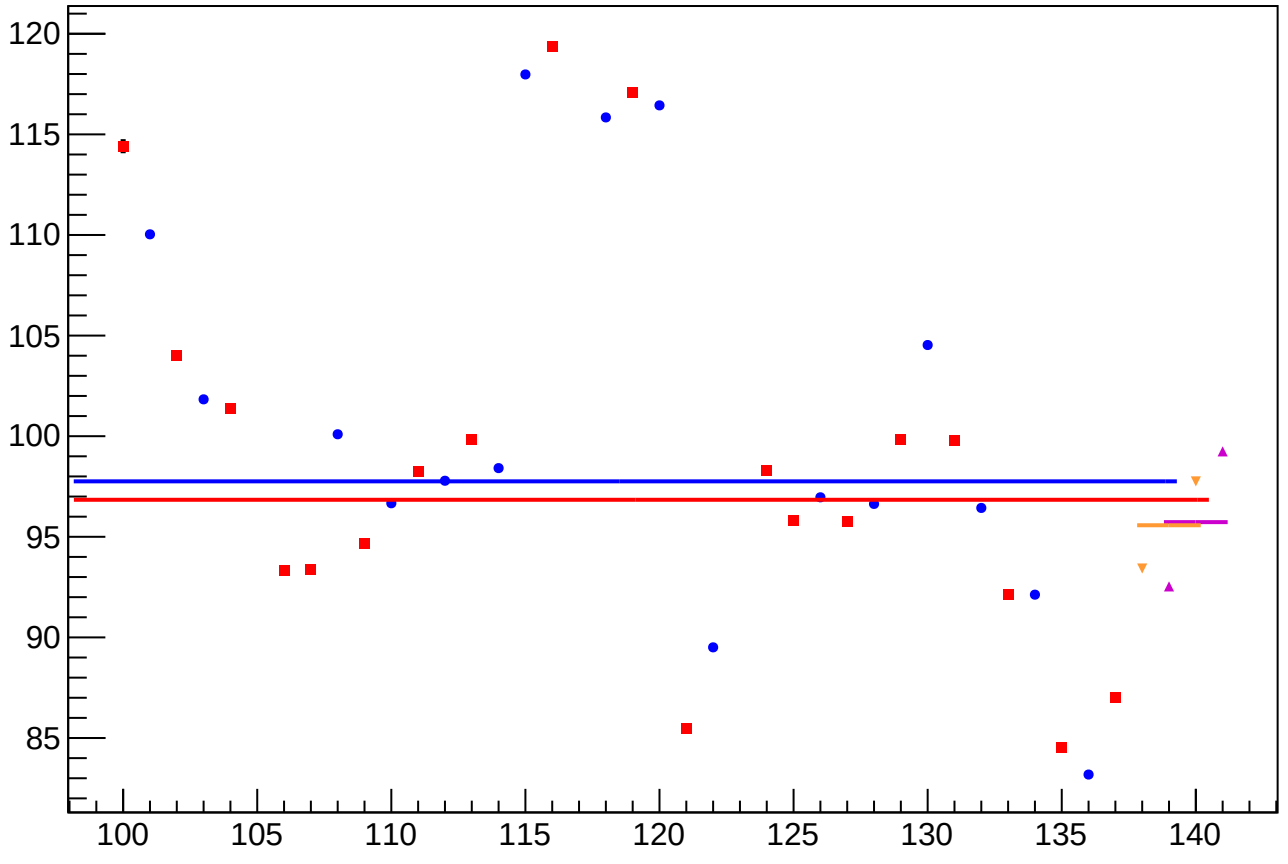
Left: -145.079+/-52.266 χ^2/NDF: 4.5/3

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -8.576+/-32.637 χ^2/NDF:17.8/17

Out: -65.989+/-32.066 χ^2/NDF:23.3/20

All: -37.789+/-22.873 χ^2/NDF: 42.6/38



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 95.574+/-0.053 χ^2/NDF:1662.5/1

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 95.729+/-0.051 χ^2/NDF:4236.5/1

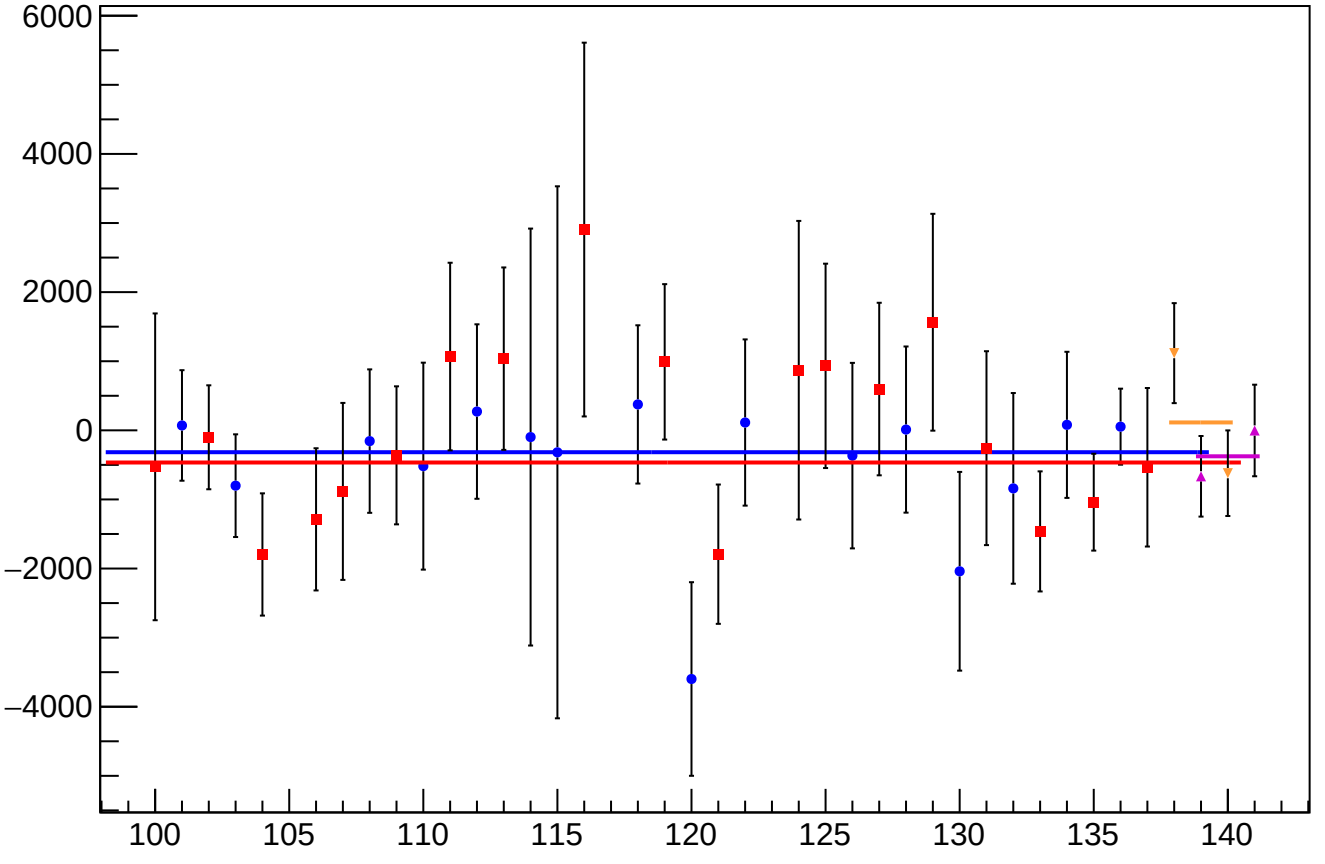
Left: 95.654+/-0.037 χ^2/NDF: 5903.4/3

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 97.349+/-0.023 χ^2/NDF:146129.0/17

Out: 96.609+/-0.023 χ^2/NDF:117298.5/20

All: 96.972+/-0.016 χ^2/NDF: 263950.9/38



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 114.272+/-470.514 χ^2/NDF:3.3/1

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -375.742+/-437.774 χ^2/NDF:0.6/1

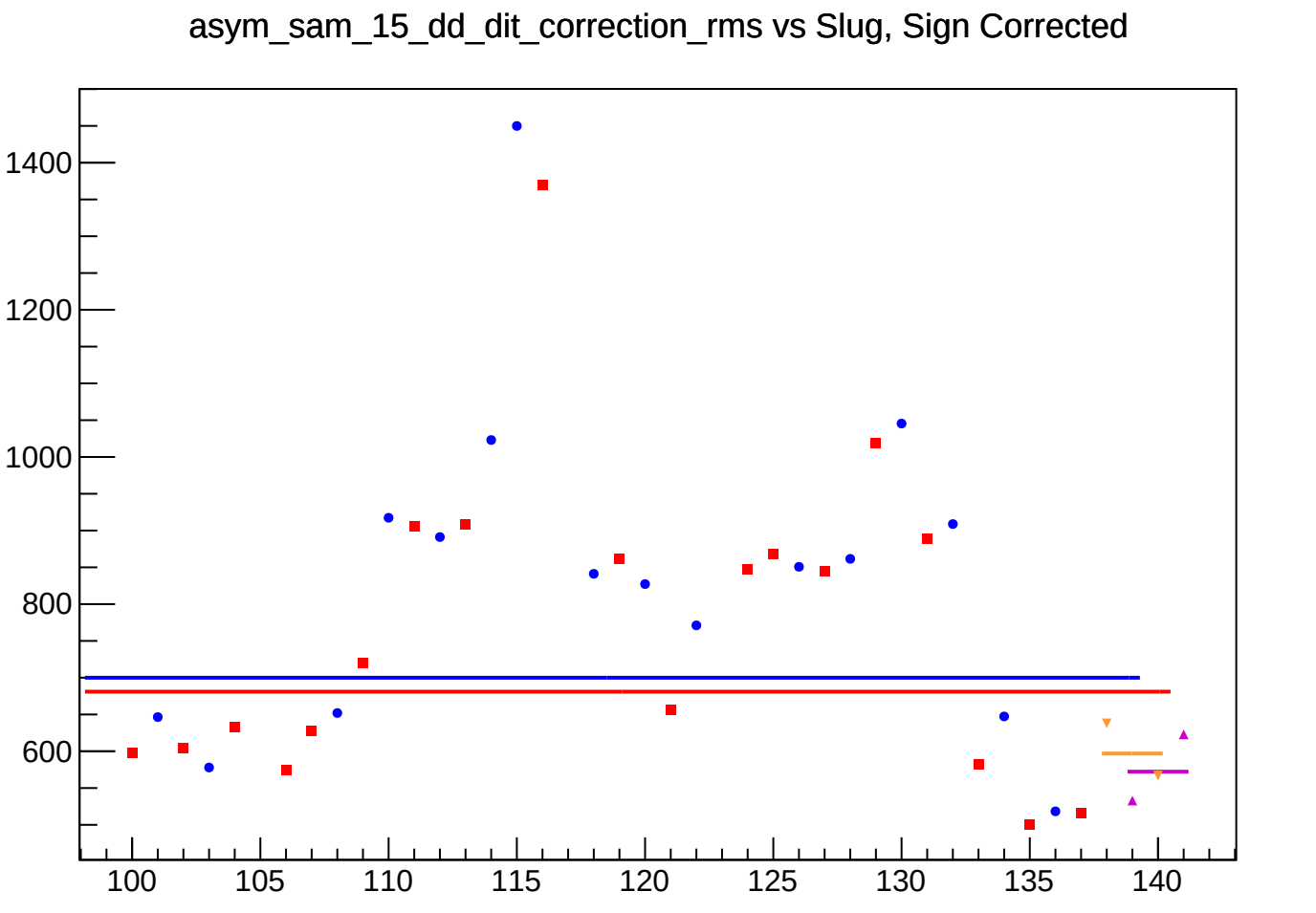
Left: -148.375+/-320.503 χ^2/NDF: 4.5/3

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -332.660+/-228.269 χ^2/NDF:9.7/17

Out: -332.616+/-225.308 χ^2/NDF:21.0/20

All: -332.637+/-160.353 χ^2/NDF: 30.7/38



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 596.943+/-0.333 χ^2/NDF:11106.4/1

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 572.296+/-0.310 χ^2/NDF:20780.0/1

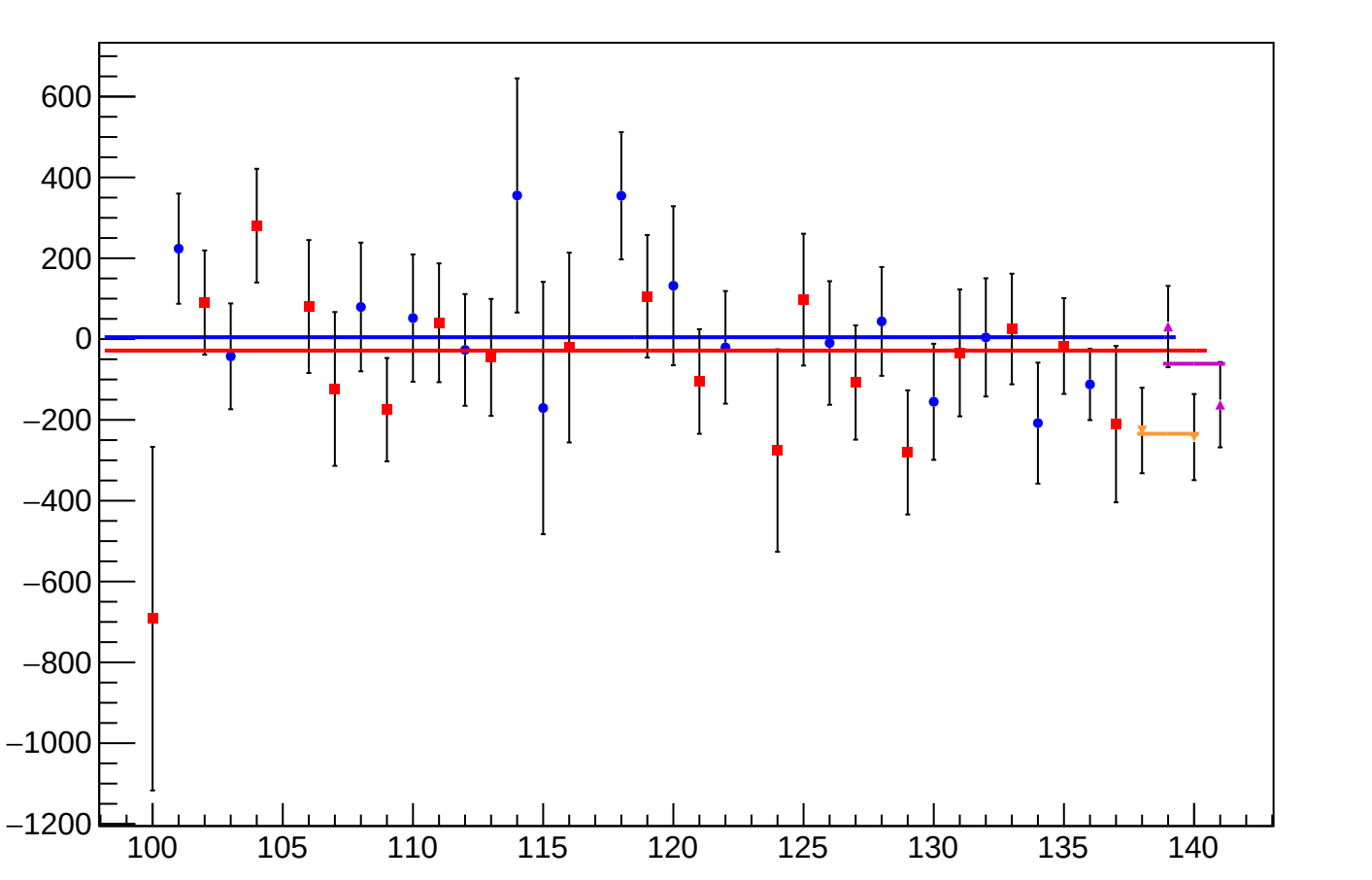
Left: 583.732+/-0.227 χ^2/NDF: 34827.9/3

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 665.259+/-0.161 χ^2/NDF:898311.2/17

Out: 661.738+/-0.159 χ^2/NDF:829717.7/20

All: 663.475+/-0.113 χ^2/NDF: 1728269.9/38



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -234.357+/-75.065 χ^2/NDF:0.0/1

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -61.067+/-72.818 χ^2/NDF:1.8/1

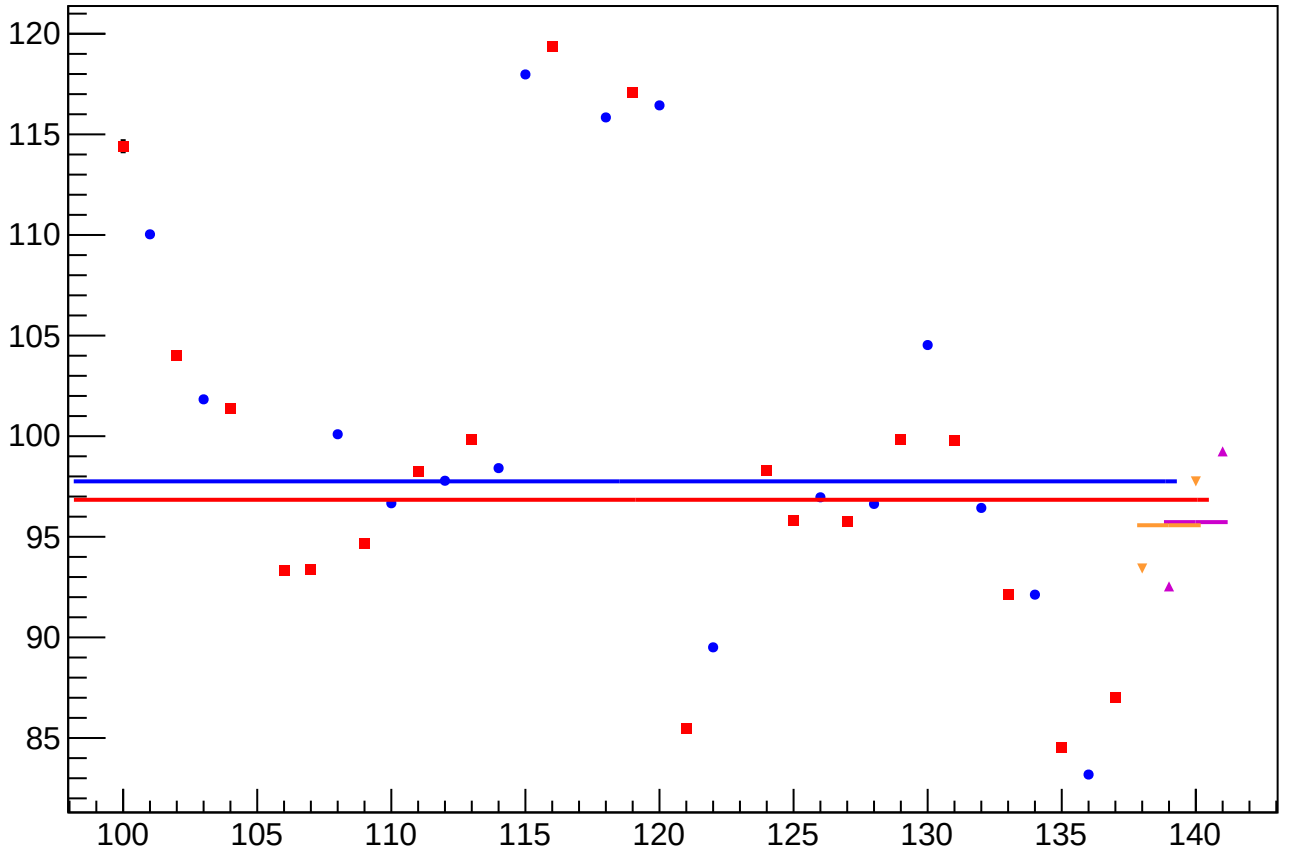
Left: -145.079+/-52.266 χ^2/NDF: 4.5/3

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -8.575+/-32.637 χ^2/NDF:17.8/17

Out: -65.989+/-32.066 χ^2/NDF:23.3/20

All: -37.788+/-22.873 χ^2/NDF: 42.6/38



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 95.574+/-0.053 χ^2/NDF:1662.4/1

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 95.730+/-0.051 χ^2/NDF:4236.5/1

Left: 95.654+/-0.037 χ^2/NDF: 5903.4/3

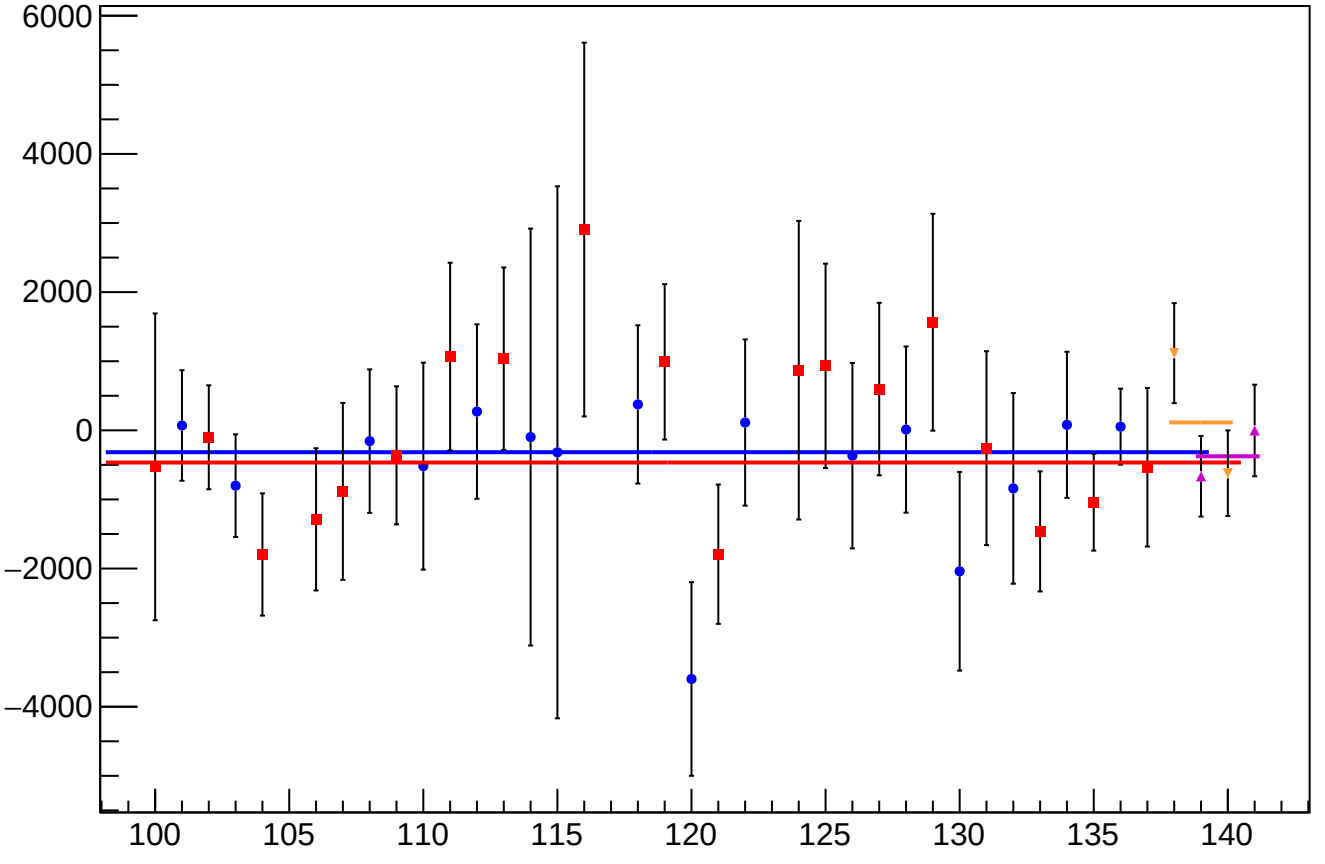
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 97.349+/-0.023 χ^2/NDF:146128.7/17

Out: 96.609+/-0.023 χ^2/NDF:117300.1/20

All: 96.972+/-0.016 χ^2/NDF: 263952.2/38

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 114.272+/-470.515 χ^2/NDF:3.3/1

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -375.744+/-437.775 χ^2/NDF:0.6/1

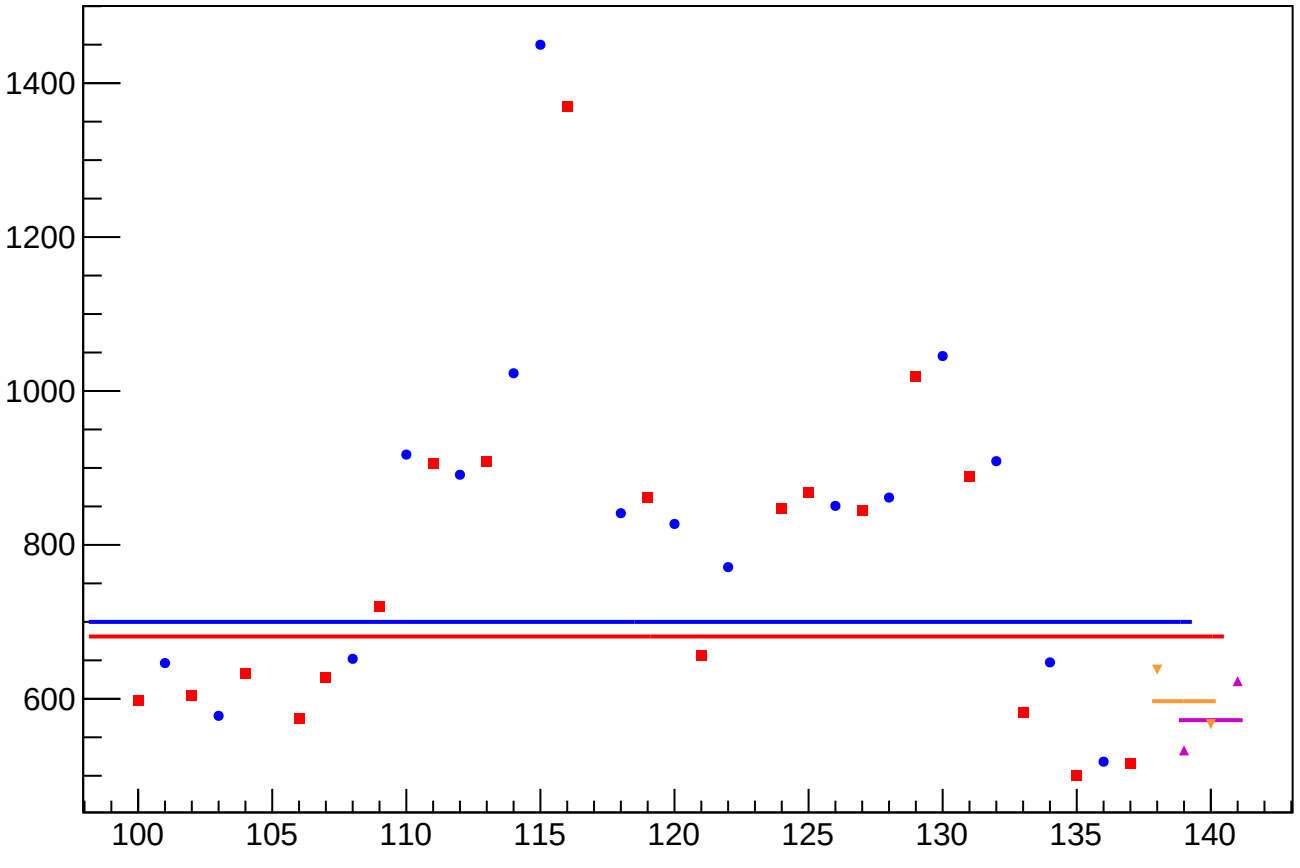
Left: -148.376+/-320.503 χ^2/NDF: 4.5/3

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -332.659+/-228.269 χ^2/NDF:9.7/17

Out: -332.617+/-225.308 χ^2/NDF:21.0/20

All: -332.637+/-160.353 χ^2/NDF: 30.7/38



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 596.945+/-0.333 χ^2/NDF:11106.5/1

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 572.297+/-0.310 χ^2/NDF:20780.4/1

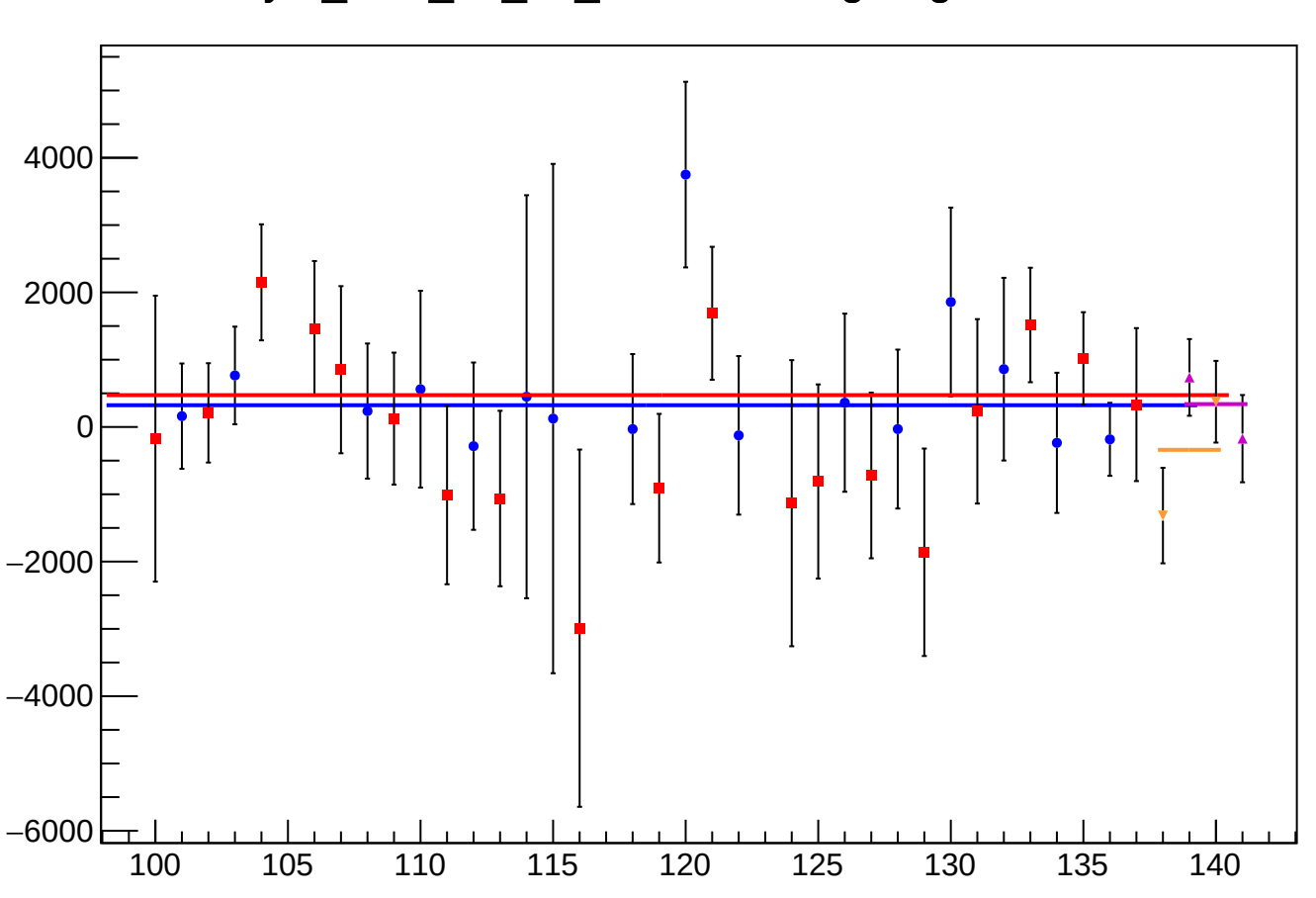
Left: 583.734+/-0.227 χ^2/NDF: 34828.5/3

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 665.258+/-0.161 χ^2/NDF:898309.0/17

Out: 661.738+/-0.159 χ^2/NDF:829717.0/20

All: 663.475+/-0.113 χ^2/NDF: 1728267.0/38



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -339.542+/-461.202 χ^2/NDF:3.3/1

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 339.835+/-427.983 χ^2/NDF:1.1/1

Left: 25.492+/-313.717 χ^2/NDF: 5.6/3

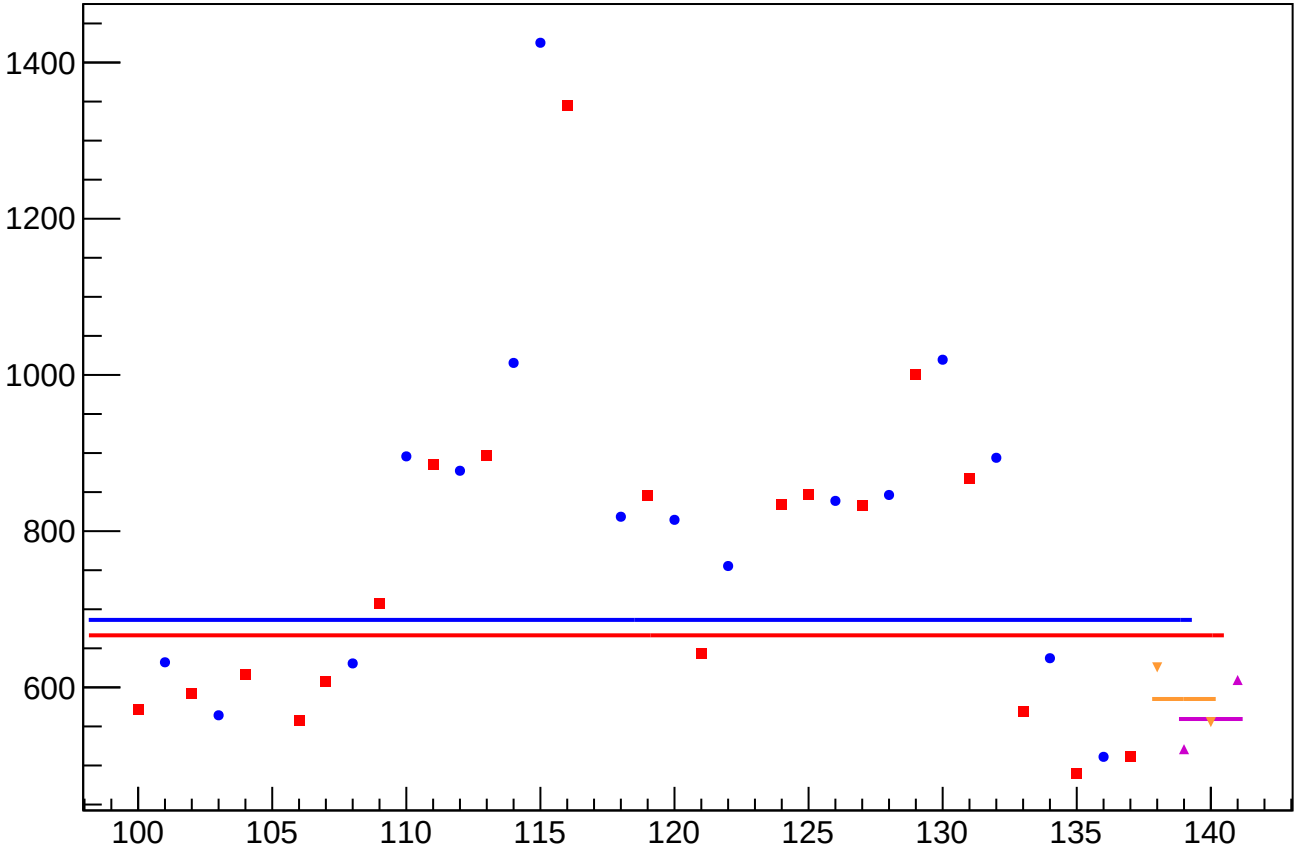
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 327.742+/-223.660 χ^2/NDF:10.8/17

Out: 287.132+/-220.689 χ^2/NDF:25.1/20

All: 307.166+/-157.091 χ^2/NDF: 35.9/38

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 585.141+/-0.326 χ^2/NDF:11273.6/1

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 559.502+/-0.303 χ^2/NDF:21065.2/1

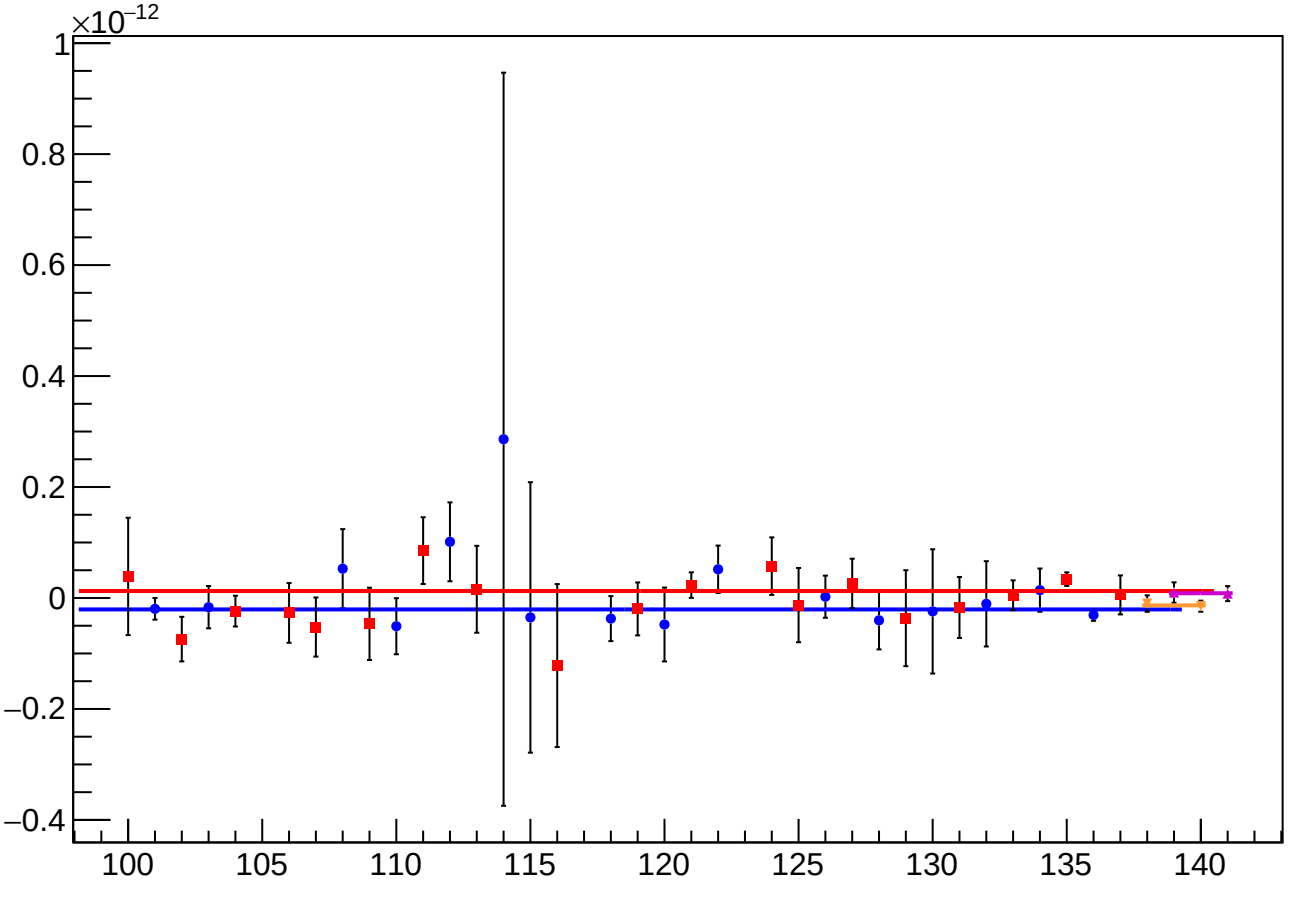
Left: 571.365+/-0.222 χ^2/NDF: 35659.9/3

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 651.740+/-0.158 χ^2/NDF:898317.1/17

Out: 647.975+/-0.156 χ^2/NDF:836454.0/20

All: 649.832+/-0.111 χ^2/NDF: 1735058.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

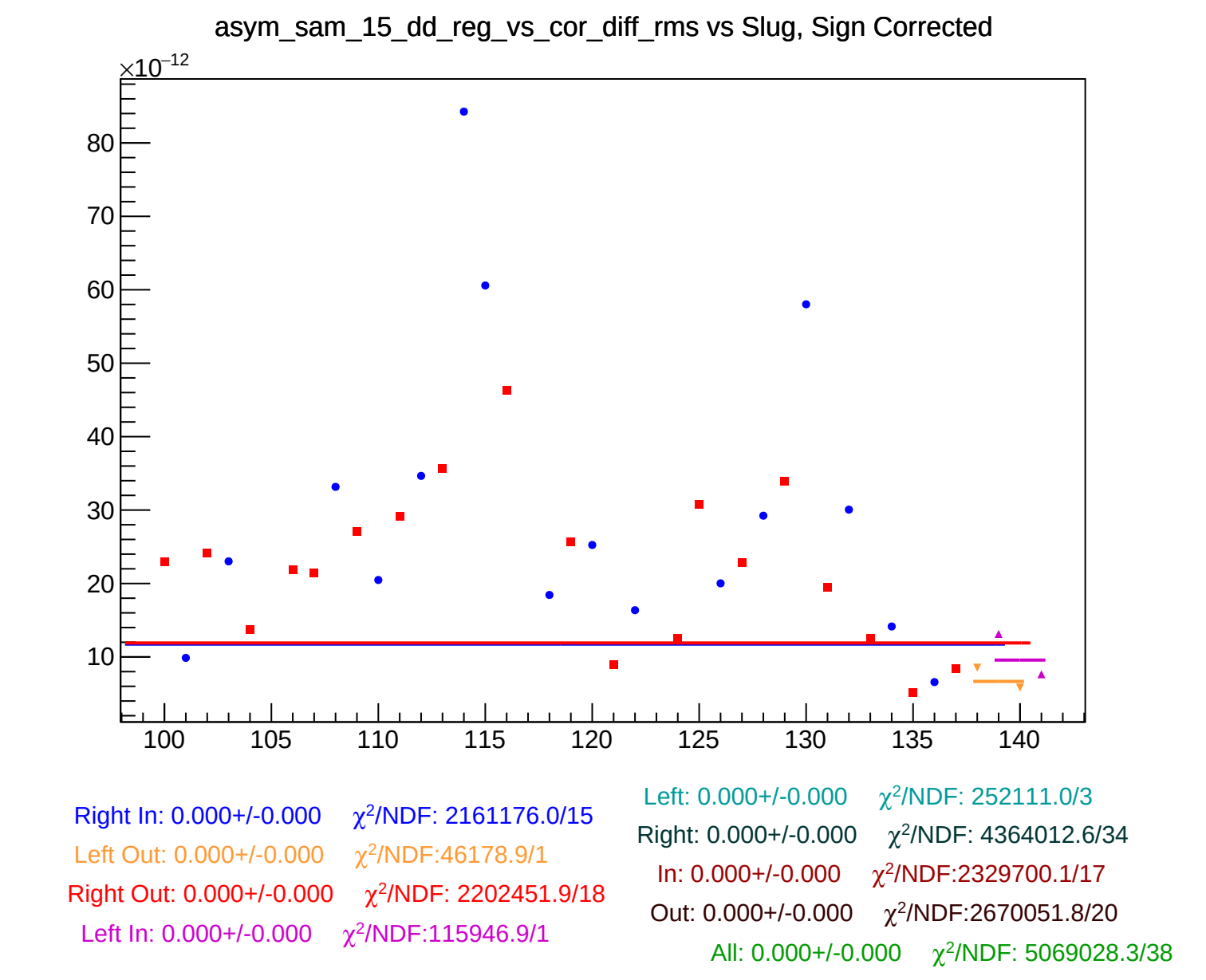
Left: -0.000+/-0.000 χ^2/NDF: 2.6/3

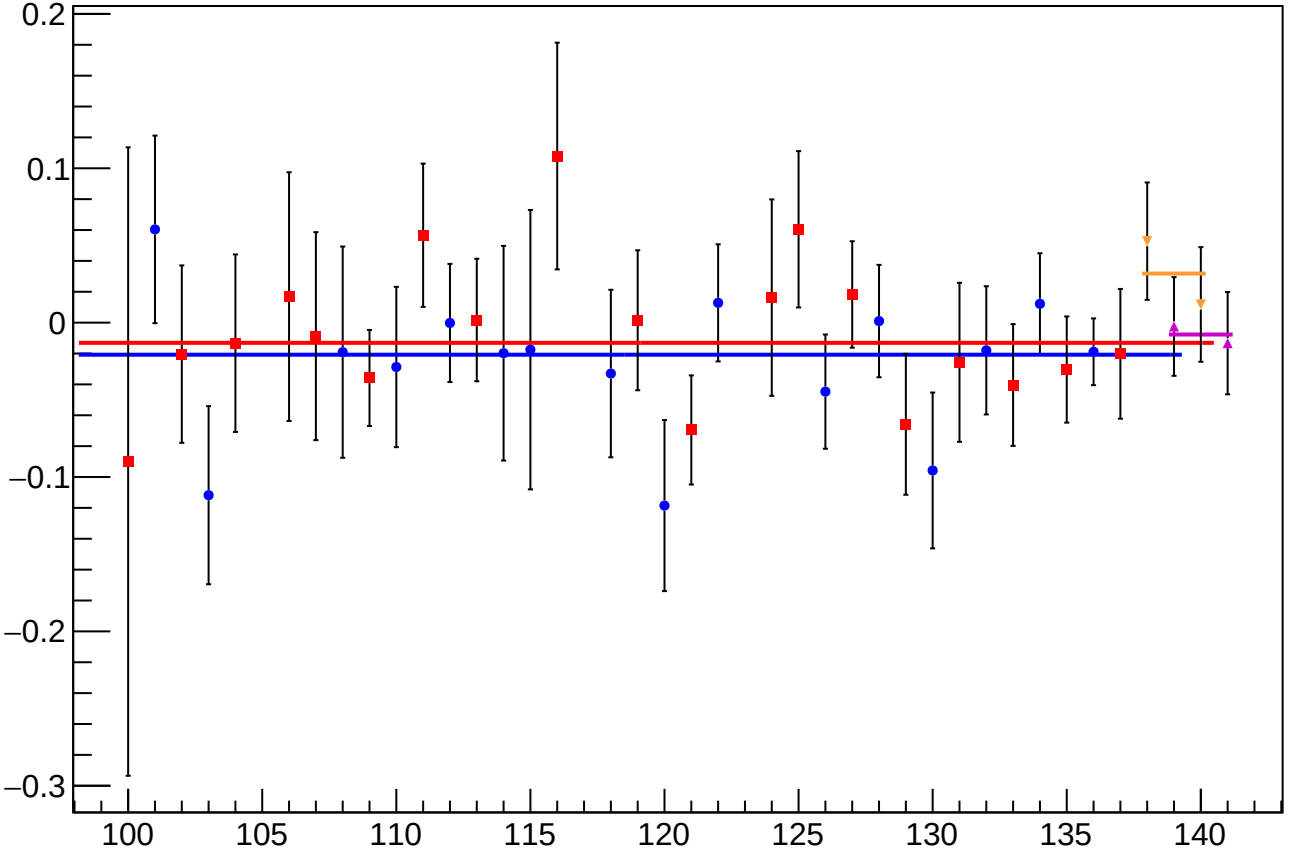
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:14.7/17

Out: 0.000+/-0.000 χ^2/NDF:22.3/20

All: -0.000+/-0.000 χ^2/NDF: 38.7/38


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:46178.9/1
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:115946.9/1
Left: 0.000+/-0.000 χ²/NDF: 252111.0/3
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2329700.1/17
Out: 0.000+/-0.000 χ²/NDF:2670051.8/20
All: 0.000+/-0.000 χ²/NDF: 5069028.3/38



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.032+/-0.027 χ^2/NDF:0.6/1

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.023 χ^2/NDF:0.1/1

Left: 0.009+/-0.017 χ^2/NDF: 1.9/3

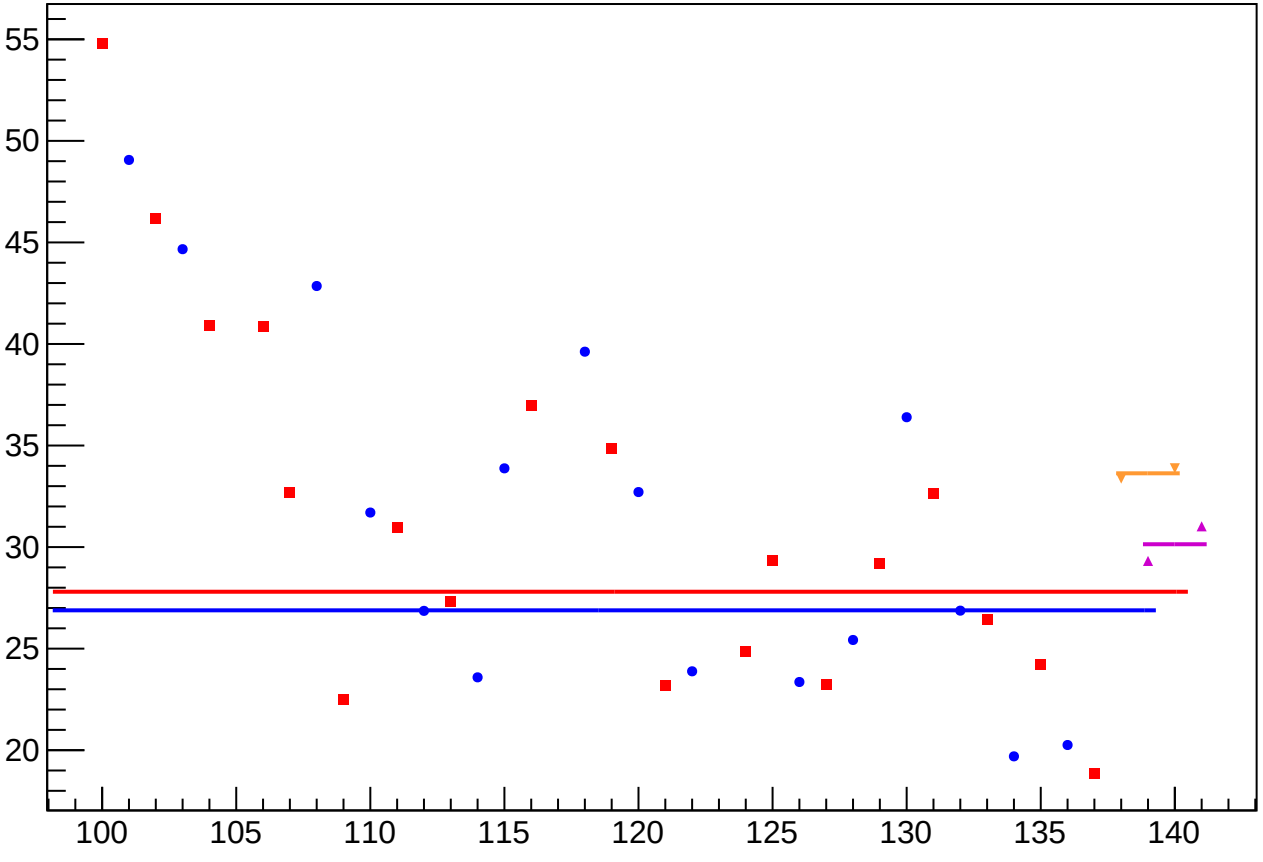
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.010 χ^2/NDF:12.9/17

Out: -0.007+/-0.010 χ^2/NDF:17.0/20

All: -0.013+/-0.007 χ^2/NDF: 30.5/38

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 33.632+/-0.019 χ^2/NDF:182.3/1

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.140+/-0.016 χ^2/NDF:2739.6/1

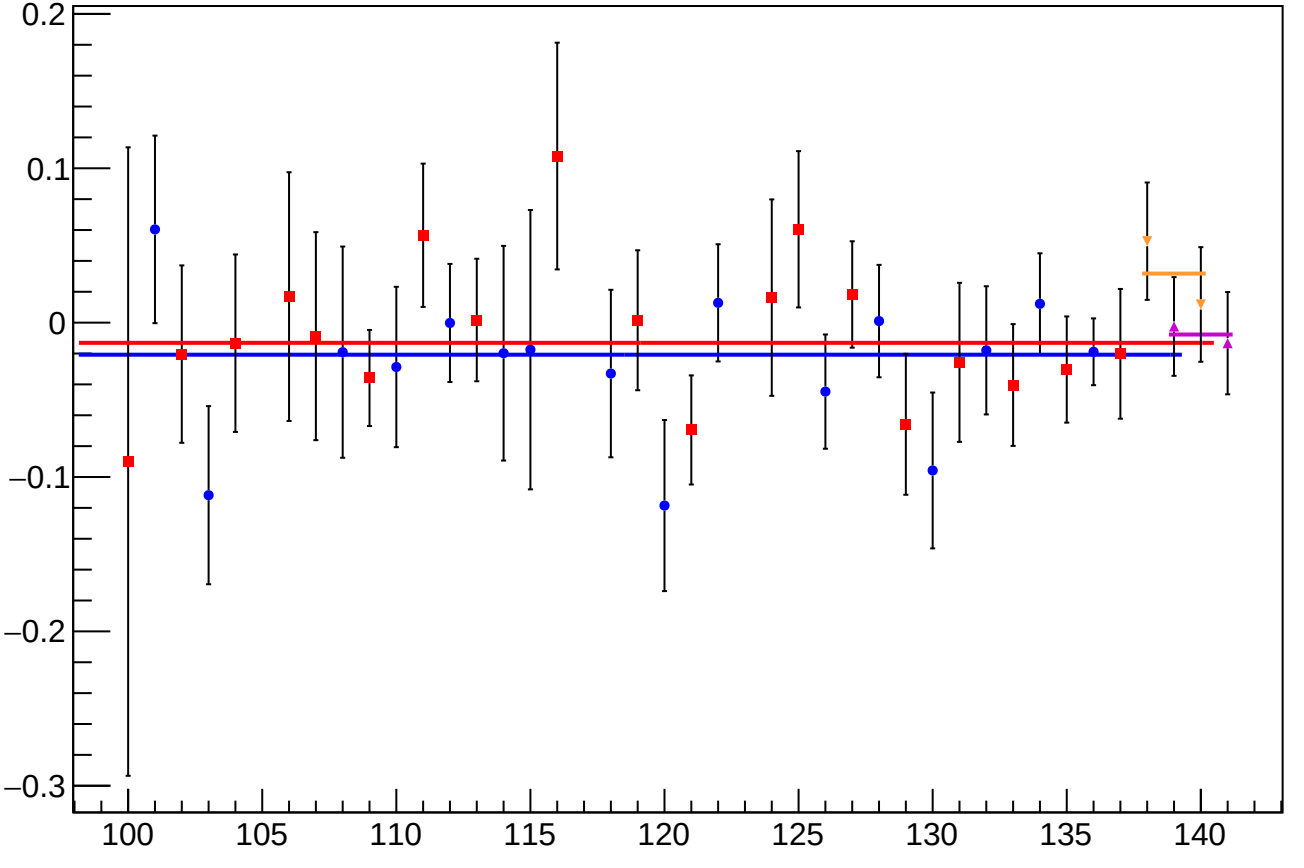
Left: 31.637+/-0.012 χ^2/NDF: 22681.5/3

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 27.448+/-0.007 χ^2/NDF:1156405.0/17

Out: 28.595+/-0.007 χ^2/NDF:846563.0/20

All: 28.007+/-0.005 χ^2/NDF: 2017019.4/38



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.032+/-0.027 χ^2/NDF:0.6/1

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.023 χ^2/NDF:0.1/1

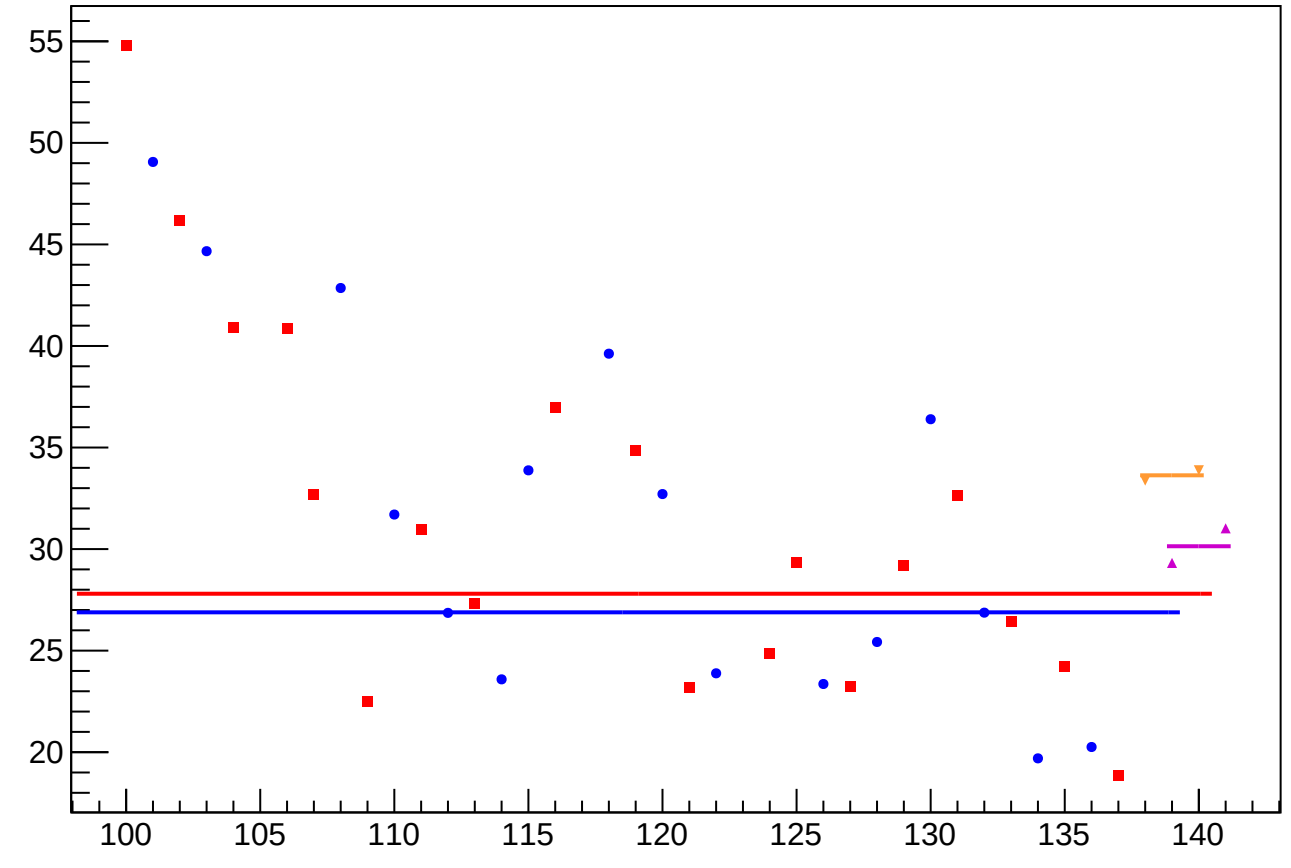
Left: 0.009+/-0.017 χ^2/NDF: 1.9/3

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.010 χ^2/NDF:12.9/17

Out: -0.007+/-0.010 χ^2/NDF:17.0/20

All: -0.013+/-0.007 χ^2/NDF: 30.5/38



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 33.632+/-0.019 χ^2/NDF:182.3/1

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.140+/-0.016 χ^2/NDF:2739.6/1

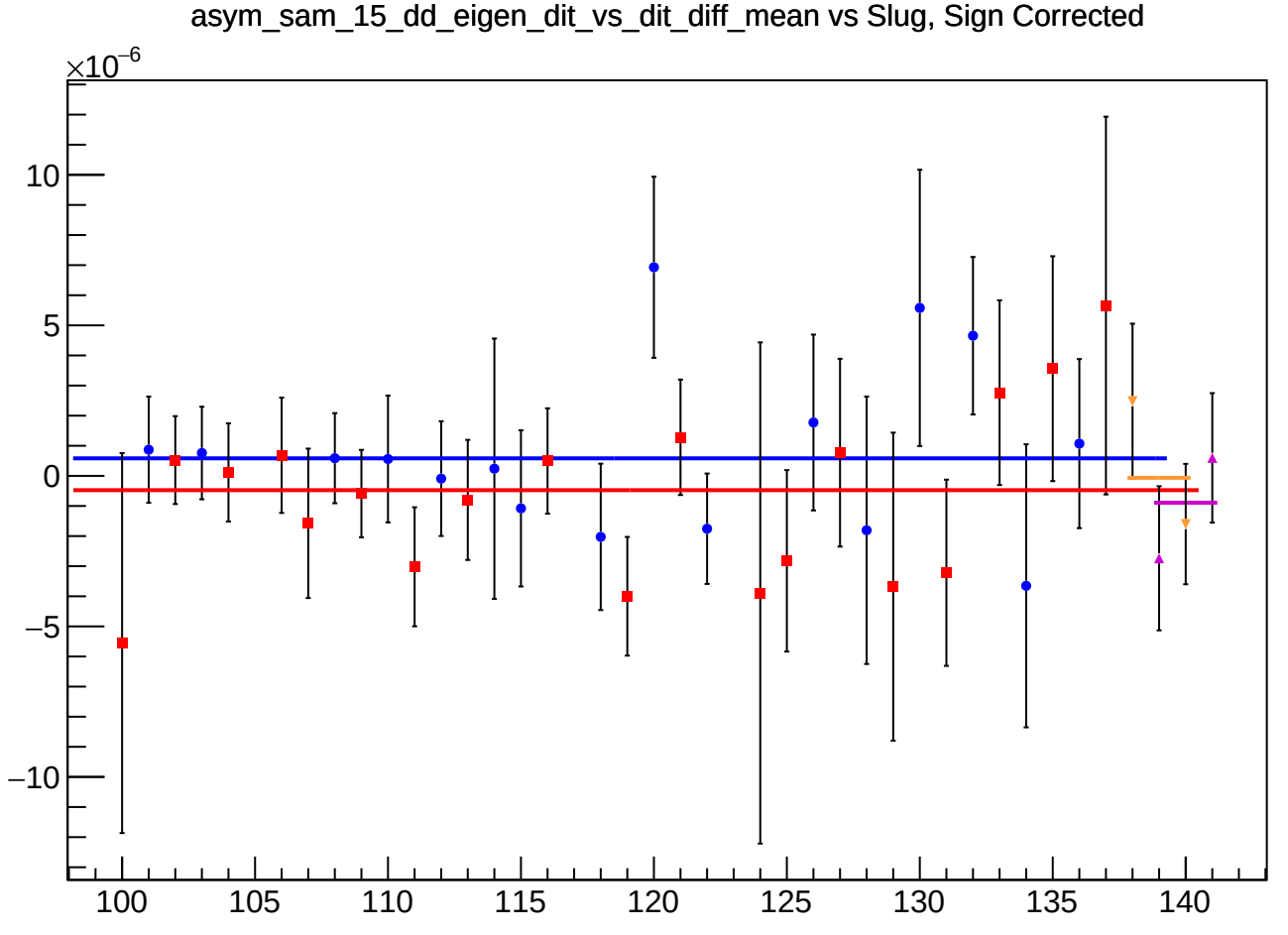
Left: 31.637+/-0.012 χ^2/NDF: 22681.5/3

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 27.448+/-0.007 χ^2/NDF:1156405.0/17

Out: 28.595+/-0.007 χ^2/NDF:846563.0/20

All: 28.007+/-0.005 χ^2/NDF: 2017019.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/1

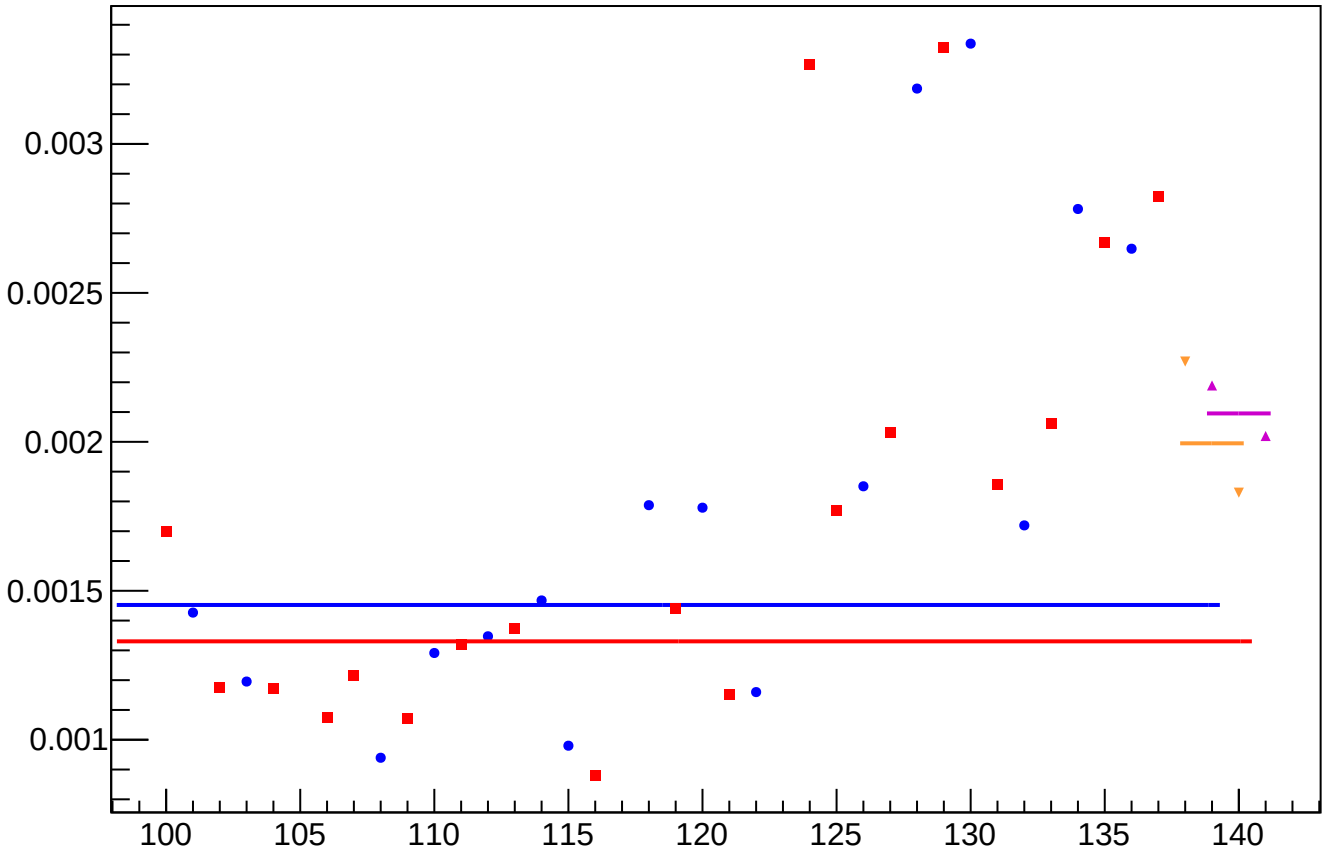
Left: -0.000+/-0.000 χ^2/NDF: 2.8/3

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:14.5/17

Out: -0.000+/-0.000 χ^2/NDF:14.8/20

All: -0.000+/-0.000 χ^2/NDF: 30.7/38



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:36458.6/1

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.002+/-0.000 χ^2/NDF:5555.3/1

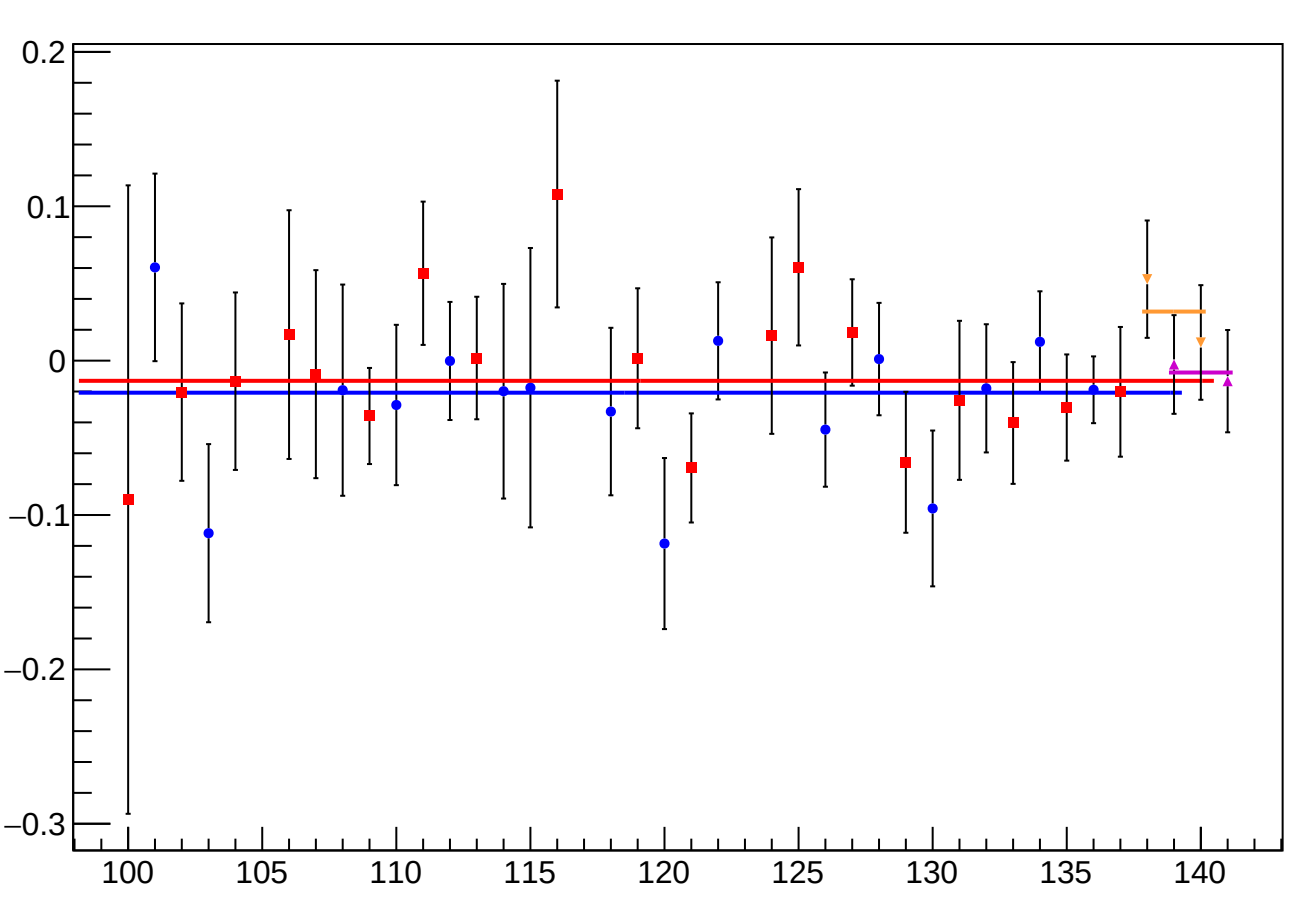
Left: 0.002+/-0.000 χ^2/NDF: 45997.8/3

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.002+/-0.000 χ^2/NDF:2001909.6/17

Out: 0.001+/-0.000 χ^2/NDF:1759077.6/20

All: 0.001+/-0.000 χ^2/NDF: 3825228.7/38



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.032+/-0.027 χ^2/NDF:0.6/1

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.023 χ^2/NDF:0.1/1

Left: 0.009+/-0.017 χ^2/NDF: 1.9/3

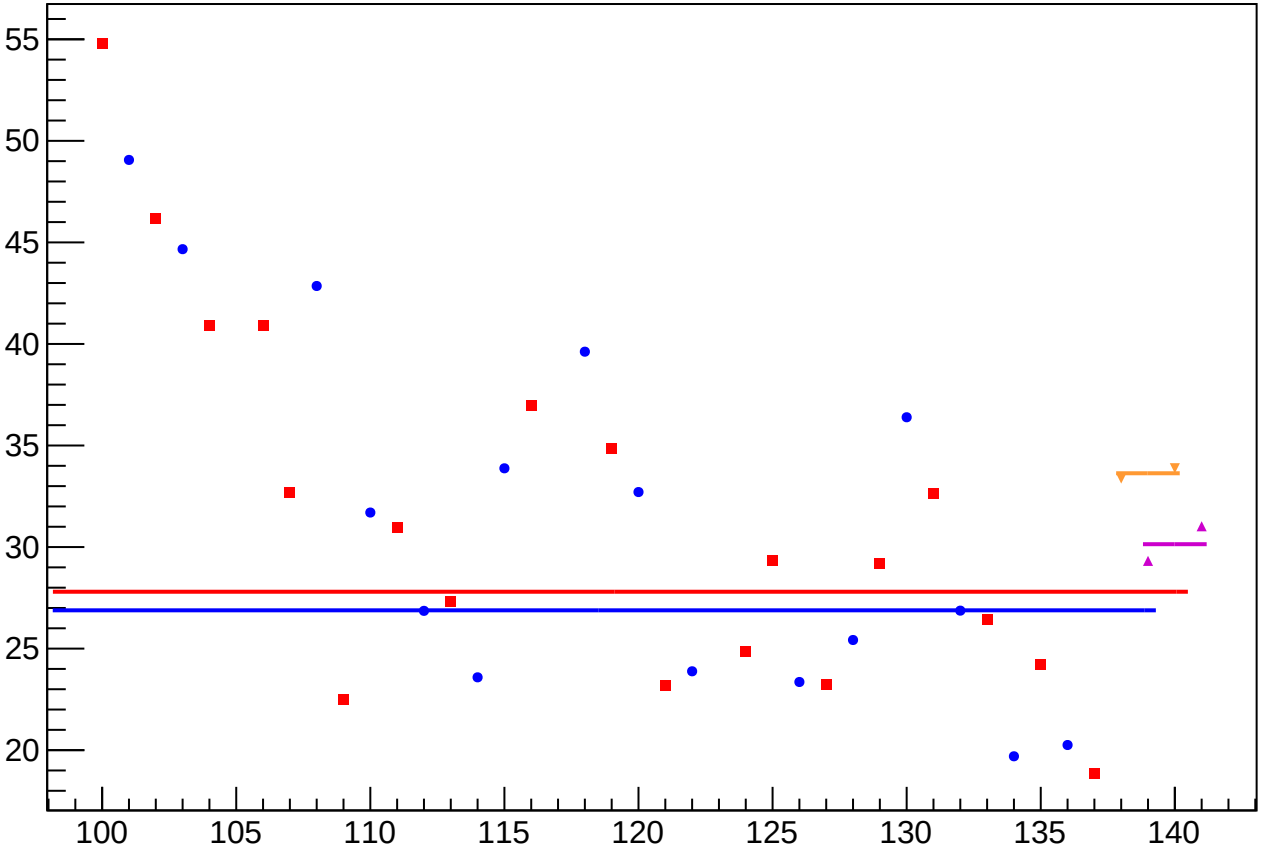
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.010 χ^2/NDF:12.9/17

Out: -0.007+/-0.010 χ^2/NDF:17.0/20

All: -0.013+/-0.007 χ^2/NDF: 30.5/38

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 33.633+/-0.019 χ^2/NDF:182.0/1

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.141+/-0.016 χ^2/NDF:2740.0/1

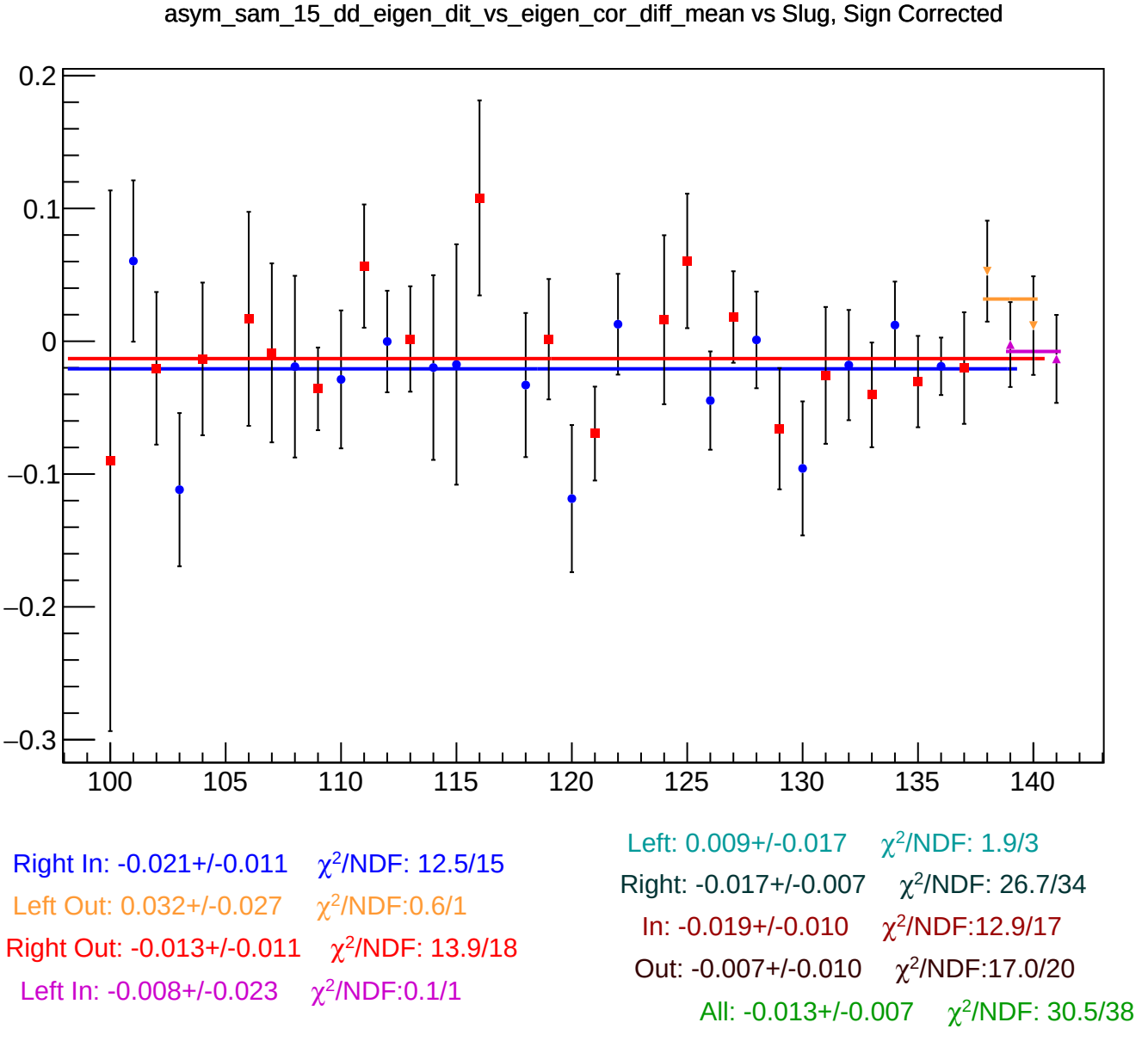
Left: 31.638+/-0.012 χ^2/NDF: 22680.9/3

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

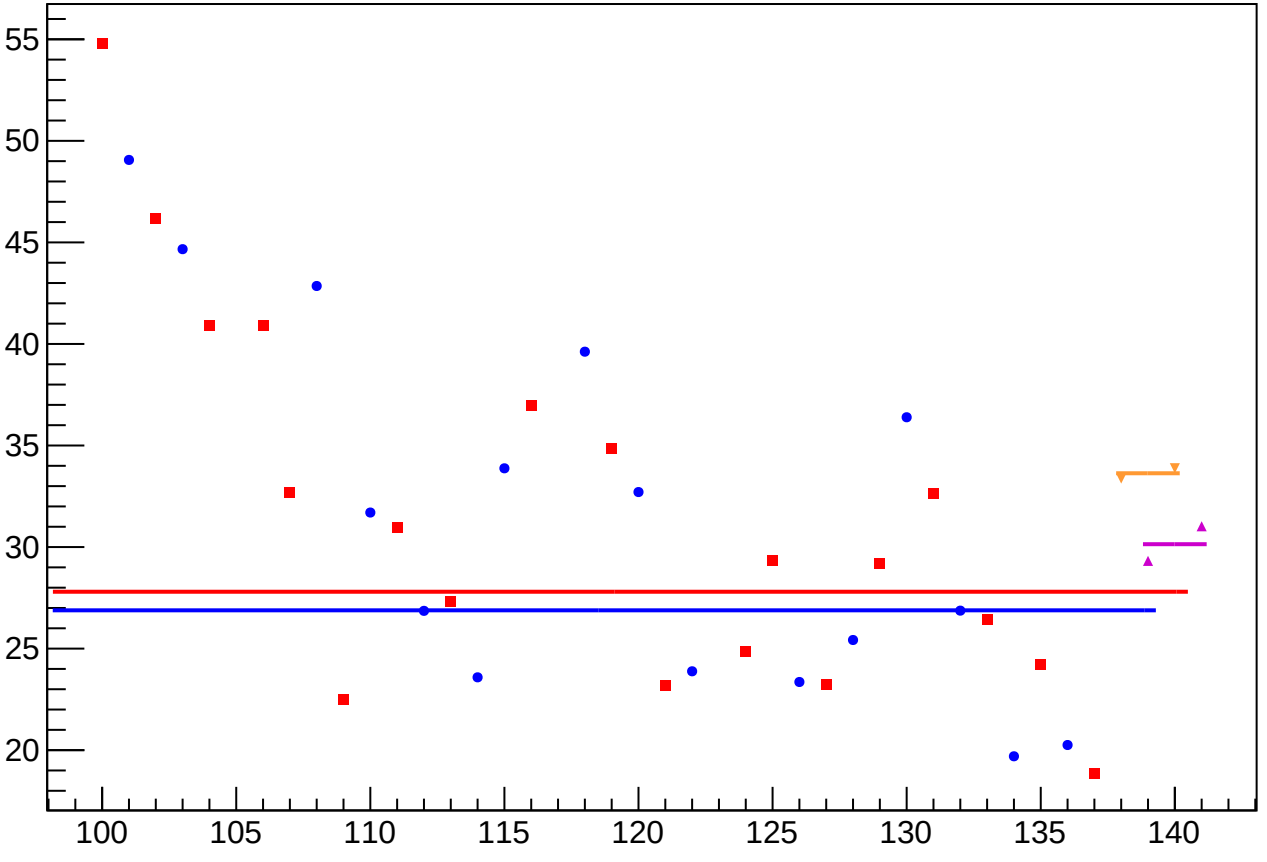
In: 27.447+/-0.007 χ^2/NDF:1156454.5/17

Out: 28.594+/-0.007 χ^2/NDF:846738.8/20

All: 28.007+/-0.005 χ^2/NDF: 2017232.7/38


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
105
110
115
120
125
130
135
140
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.032+/-0.027 χ²/NDF:0.6/1
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.008+/-0.023 χ²/NDF:0.1/1
Left: 0.009+/-0.017 χ²/NDF: 1.9/3
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.019+/-0.010 χ²/NDF:12.9/17
Out: -0.007+/-0.010 χ²/NDF:17.0/20
All: -0.013+/-0.007 χ²/NDF: 30.5/38

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 33.633+/-0.019 χ^2/NDF:182.0/1

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.141+/-0.016 χ^2/NDF:2740.0/1

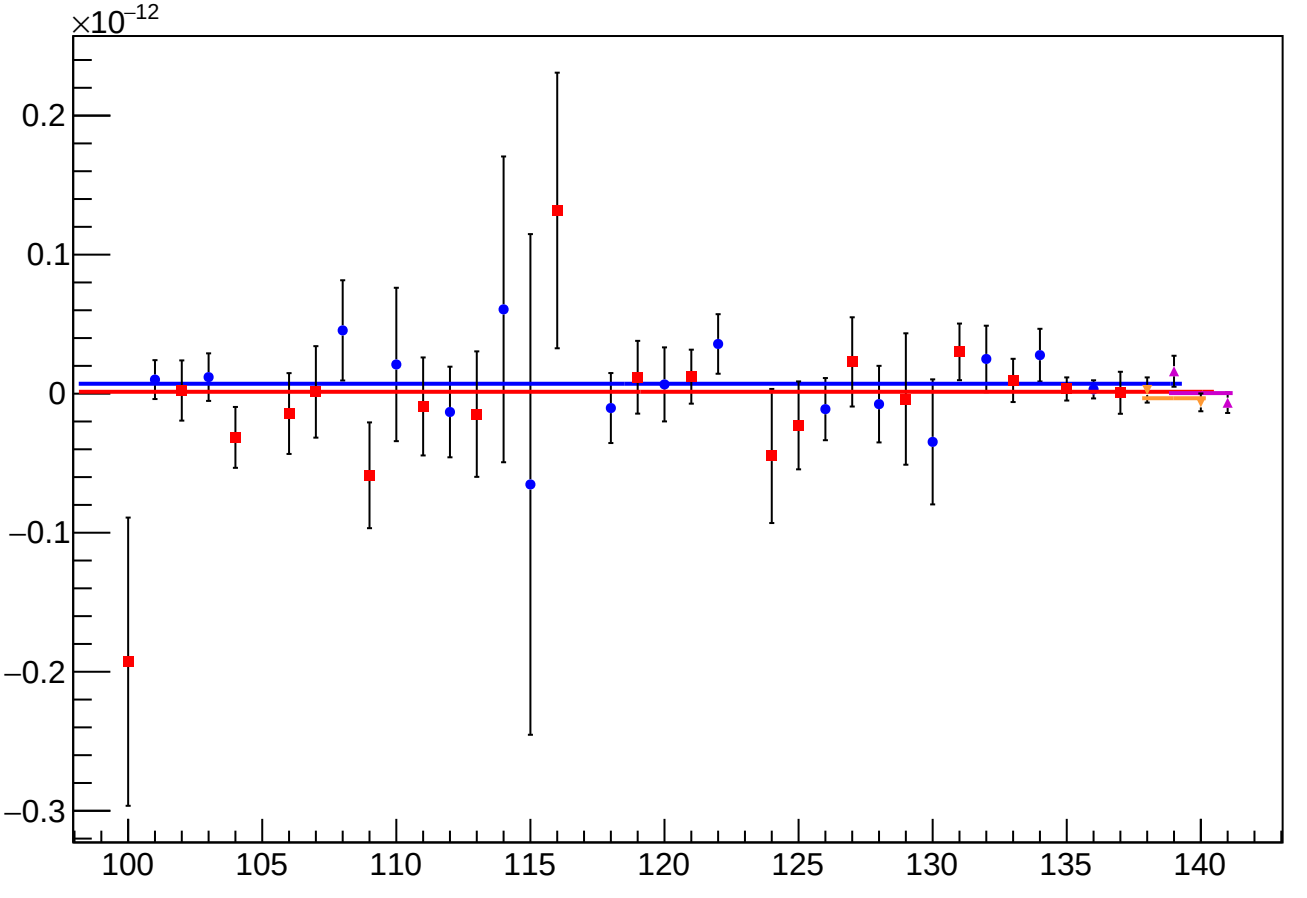
Left: 31.638+/-0.012 χ^2/NDF: 22680.9/3

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.447+/-0.007 χ^2/NDF:1156454.5/17

Out: 28.594+/-0.007 χ^2/NDF:846738.8/20

All: 28.007+/-0.005 χ^2/NDF: 2017232.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/1

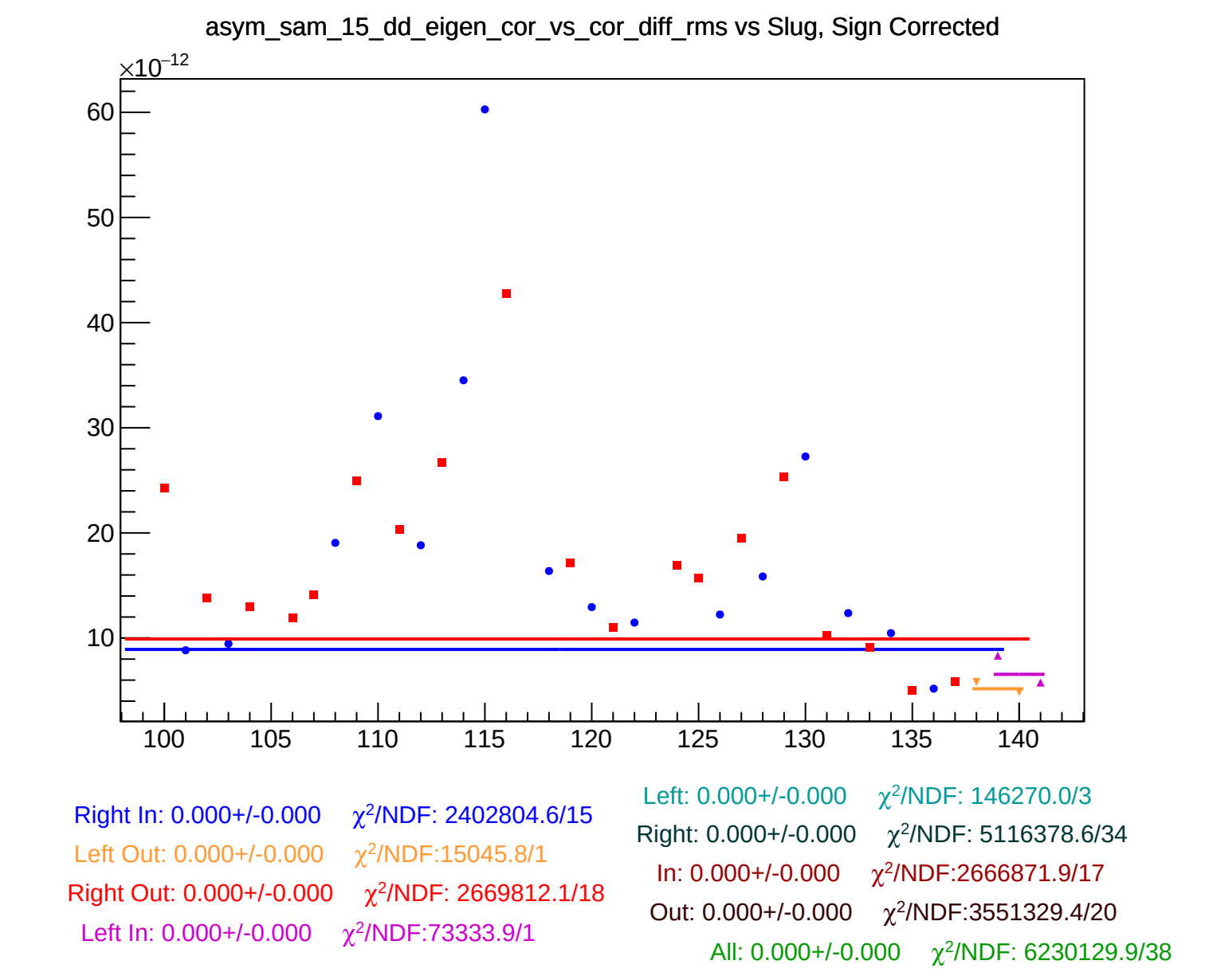
Left: -0.000+/-0.000 χ^2/NDF: 3.7/3

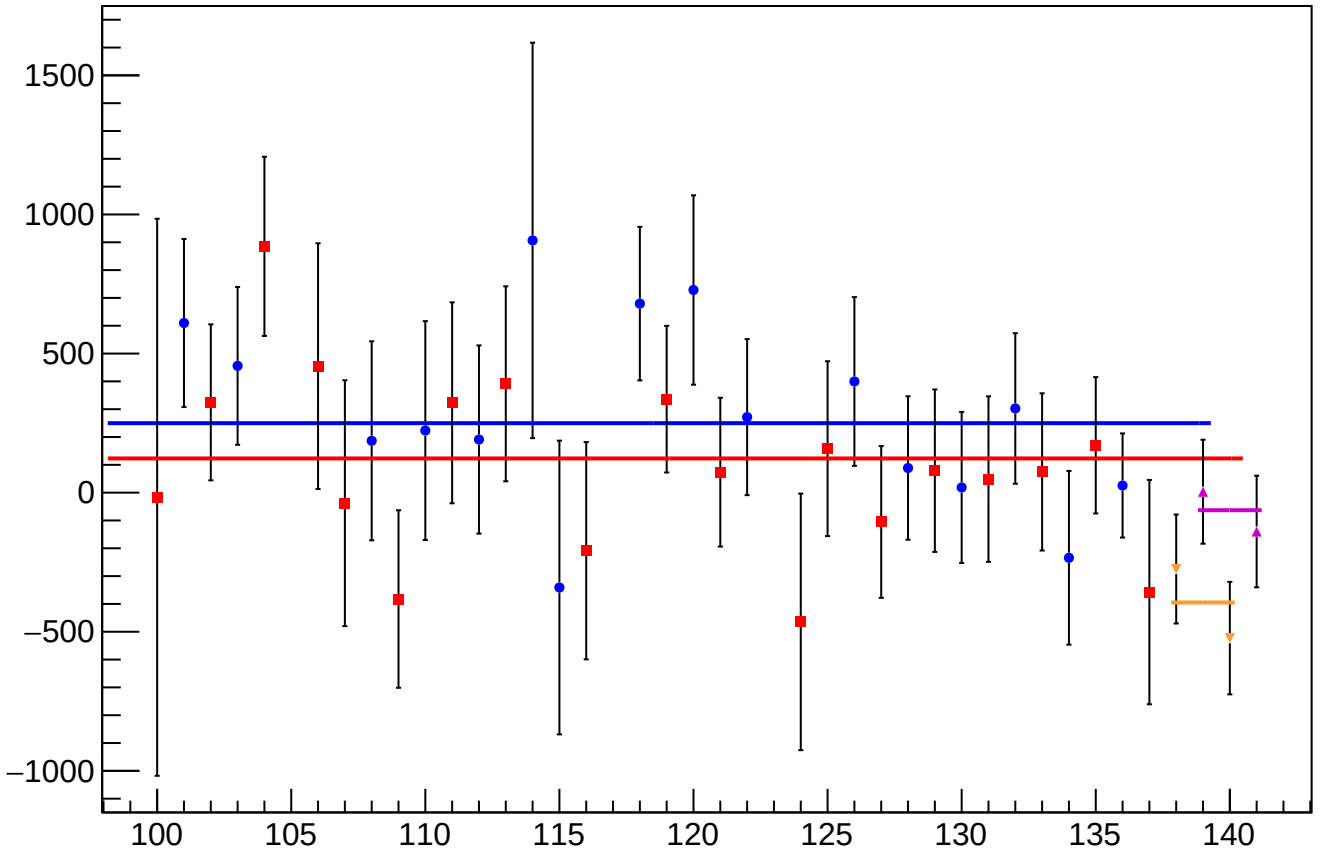
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

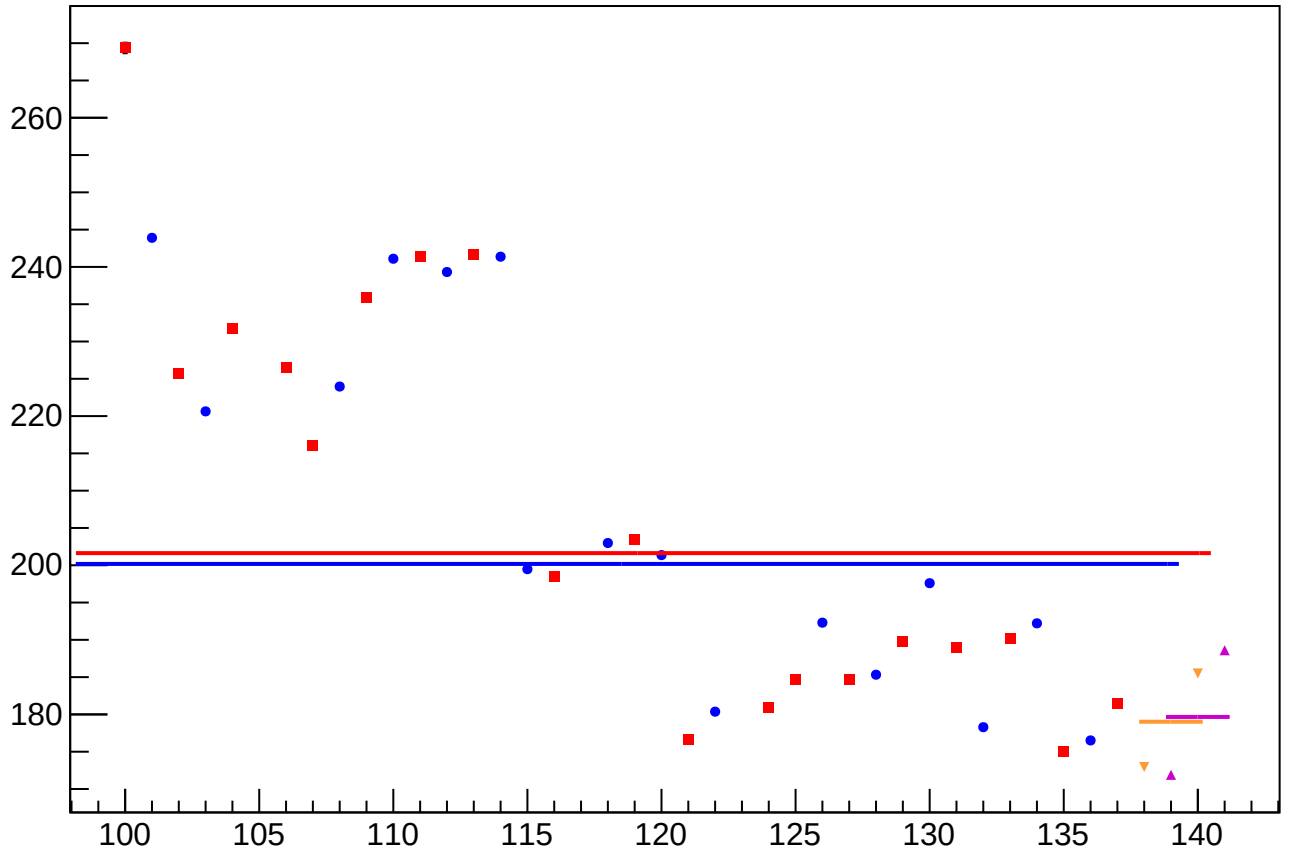
In: 0.000+/-0.000 χ^2/NDF:11.9/17

Out: -0.000+/-0.000 χ^2/NDF:16.3/20

All: 0.000+/-0.000 χ^2/NDF: 29.4/38


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:15045.8/1
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:73333.9/1
Left: 0.000+/-0.000 χ²/NDF: 146270.0/3
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:2666871.9/17
Out: 0.000+/-0.000 χ²/NDF:3551329.4/20
All: 0.000+/-0.000 χ²/NDF: 6230129.9/38


reg_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
105
110
115
120
125
130
135
140
Right In: 249.761+/-74.877 χ²/NDF: 13.8/15
Left Out: -394.793+/-140.657 χ²/NDF:0.8/1
Right Out: 122.993+/-74.370 χ²/NDF: 15.6/18
Left In: -63.069+/-136.725 χ²/NDF:0.3/1
Left: -224.230+/-98.040 χ²/NDF: 3.9/3
Right: 185.946+/-52.766 χ²/NDF: 30.8/34
In: 177.585+/-65.674 χ²/NDF:18.1/17
Out: 9.867+/-65.746 χ²/NDF:26.9/20
All: 93.818+/-46.464 χ²/NDF: 48.2/38



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 179.020+/-0.099 χ^2/NDF:3975.0/1

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 179.662+/-0.097 χ^2/NDF:7424.8/1

Left: 179.350+/-0.069 χ^2/NDF: 11421.2/3

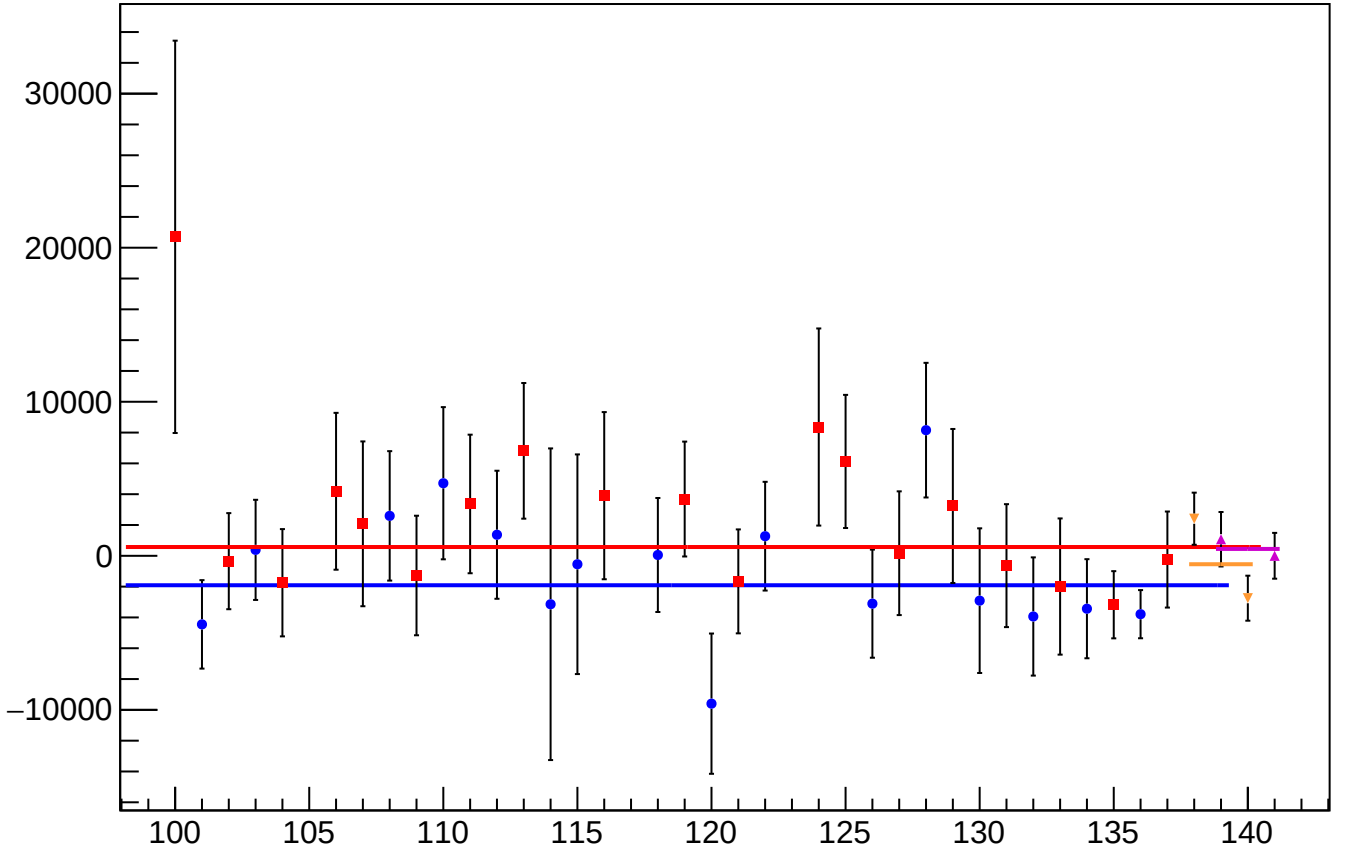
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 195.444+/-0.046 χ^2/NDF:223065.7/17

Out: 196.688+/-0.046 χ^2/NDF:241597.2/20

All: 196.065+/-0.033 χ^2/NDF: 465021.6/38

asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -546.087+/-1105.510 χ^2/NDF:5.3/1

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: 446.862+/-1137.847 χ^2/NDF:0.2/1

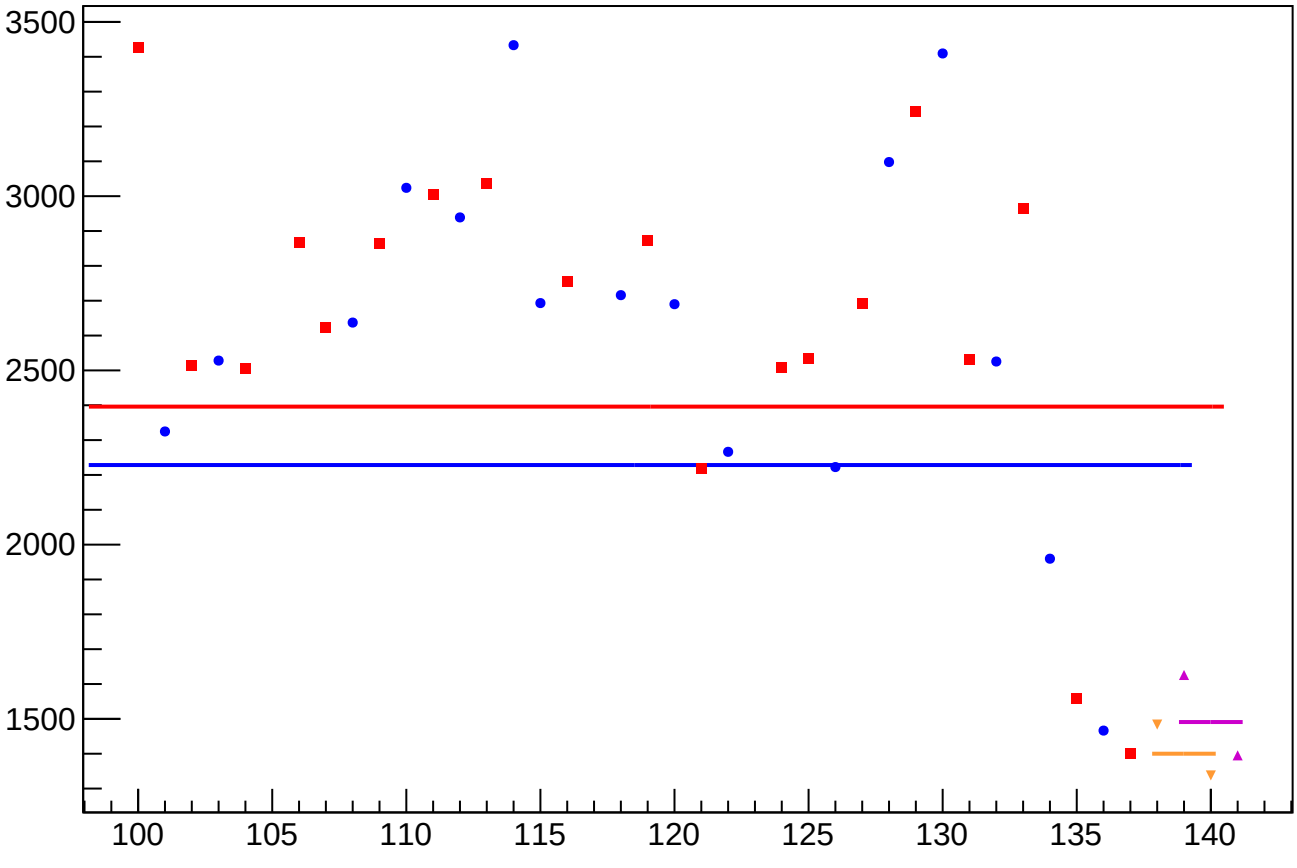
Left: -63.922+/-792.899 χ^2/NDF: 5.9/3

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -1054.505+/-685.617 χ^2/NDF:19.2/17

Out: 125.437+/-698.165 χ^2/NDF:20.6/20

All: -475.233+/-489.181 χ^2/NDF: 41.2/38



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1400.033+/-0.782 χ^2/NDF:8530.4/1

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1490.924+/-0.805 χ^2/NDF:19945.9/1

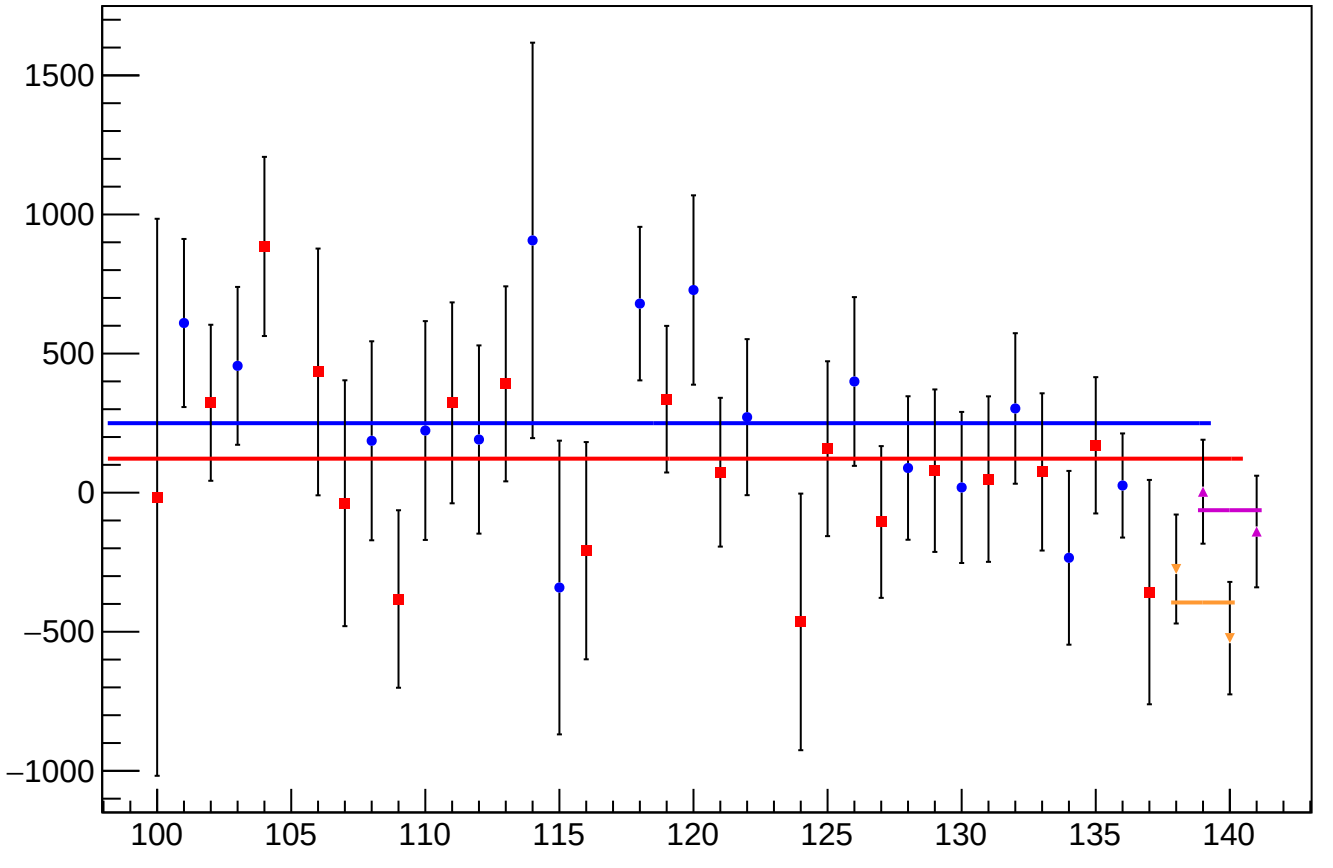
Left: 1444.169+/-0.561 χ^2/NDF: 35041.0/3

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1960.661+/-0.485 χ^2/NDF:1502760.9/17

Out: 1998.824+/-0.494 χ^2/NDF:1783994.6/20

All: 1979.396+/-0.346 χ^2/NDF: 3289797.6/38



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -394.786+/-140.657 χ^2/NDF:0.8/1

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -63.056+/-136.725 χ^2/NDF:0.3/1

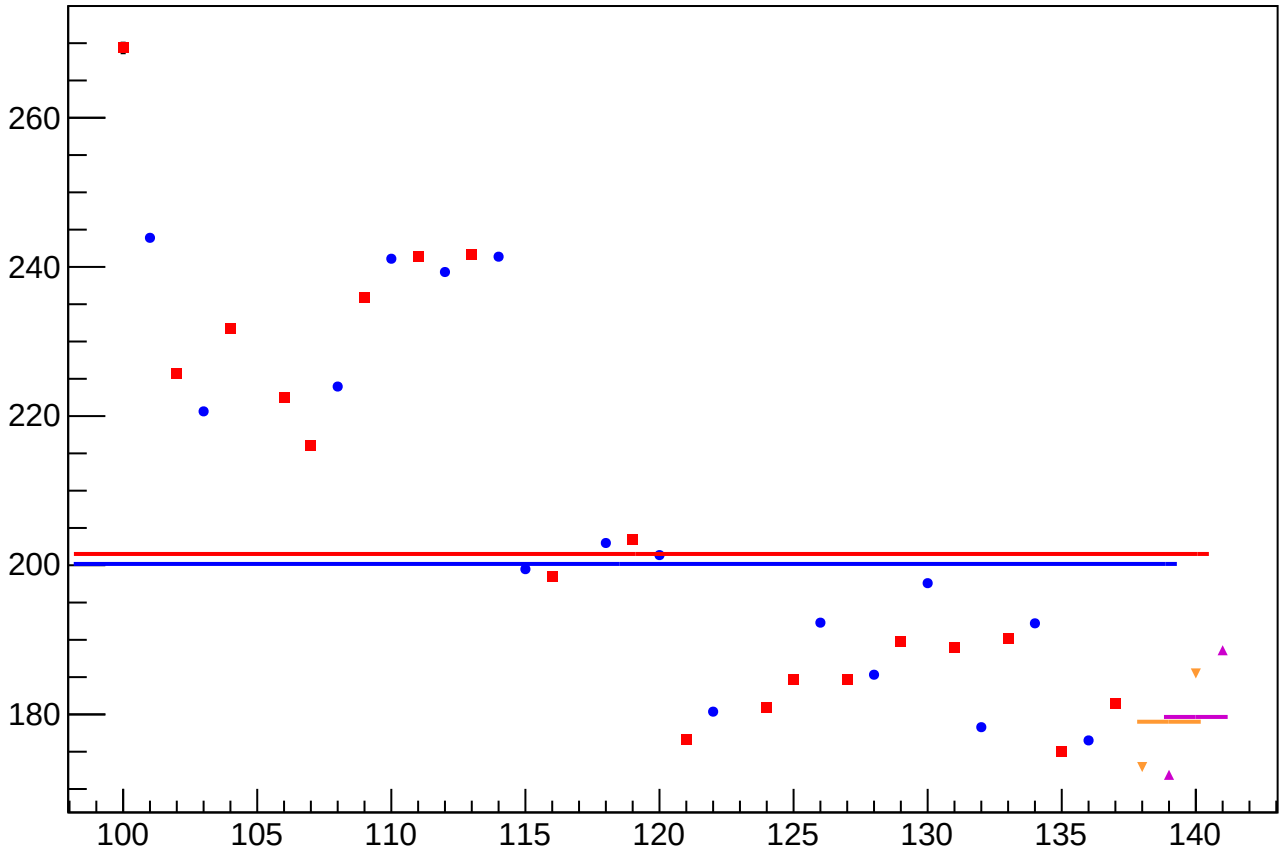
Left: -224.220+/-98.040 χ^2/NDF: 3.9/3

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 177.590+/-65.674 χ^2/NDF:18.1/17

Out: 9.232+/-65.753 χ^2/NDF:26.8/20

All: 93.512+/-46.466 χ^2/NDF: 48.1/38



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 179.020+/-0.099 χ^2/NDF:3975.0/1

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 179.662+/-0.097 χ^2/NDF:7424.9/1

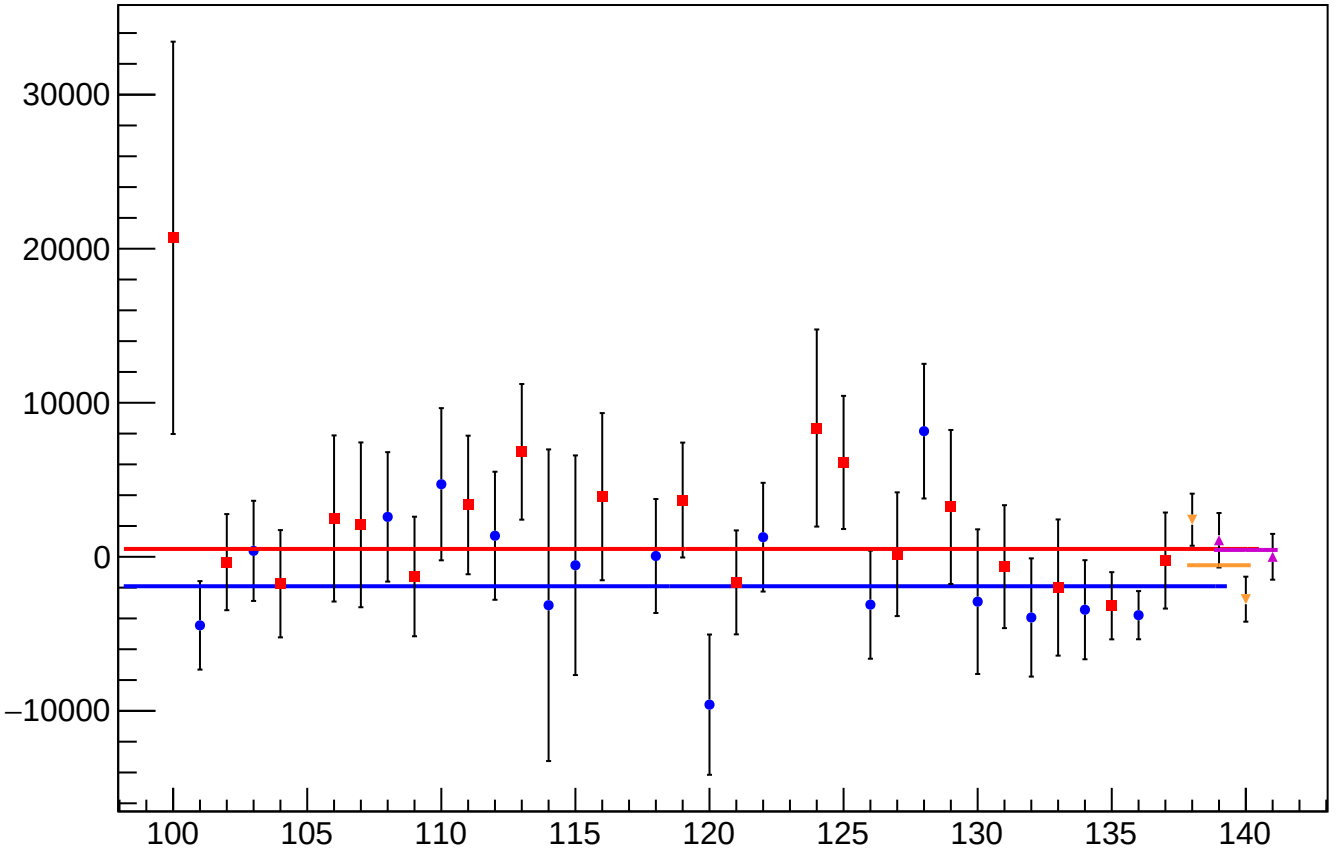
Left: 179.350+/-0.069 χ^2/NDF: 11421.2/3

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 195.444+/-0.046 χ^2/NDF:223066.1/17

Out: 196.599+/-0.046 χ^2/NDF:239378.5/20

All: 196.020+/-0.033 χ^2/NDF: 462753.6/38



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -546.115+/-1105.510 χ^2/NDF:5.3/1

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 446.907+/-1137.847 χ^2/NDF:0.2/1

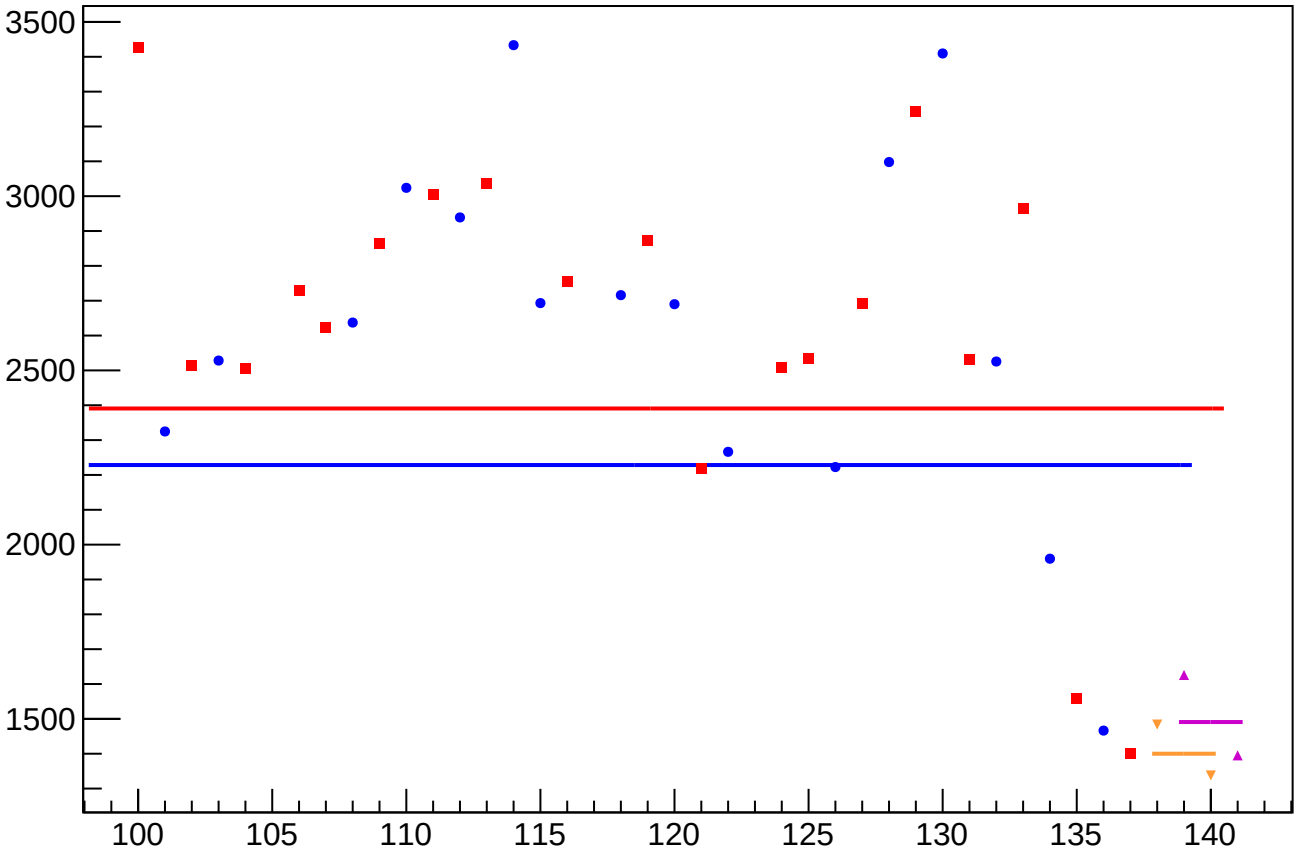
Left: -63.915+/-792.899 χ^2/NDF: 5.9/3

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1054.463+/-685.618 χ^2/NDF:19.2/17

Out: 88.674+/-698.893 χ^2/NDF:20.1/20

All: -493.853+/-489.431 χ^2/NDF: 40.7/38



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1400.033+/-0.782 χ^2/NDF:8530.8/1

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1490.924+/-0.805 χ^2/NDF:19945.9/1

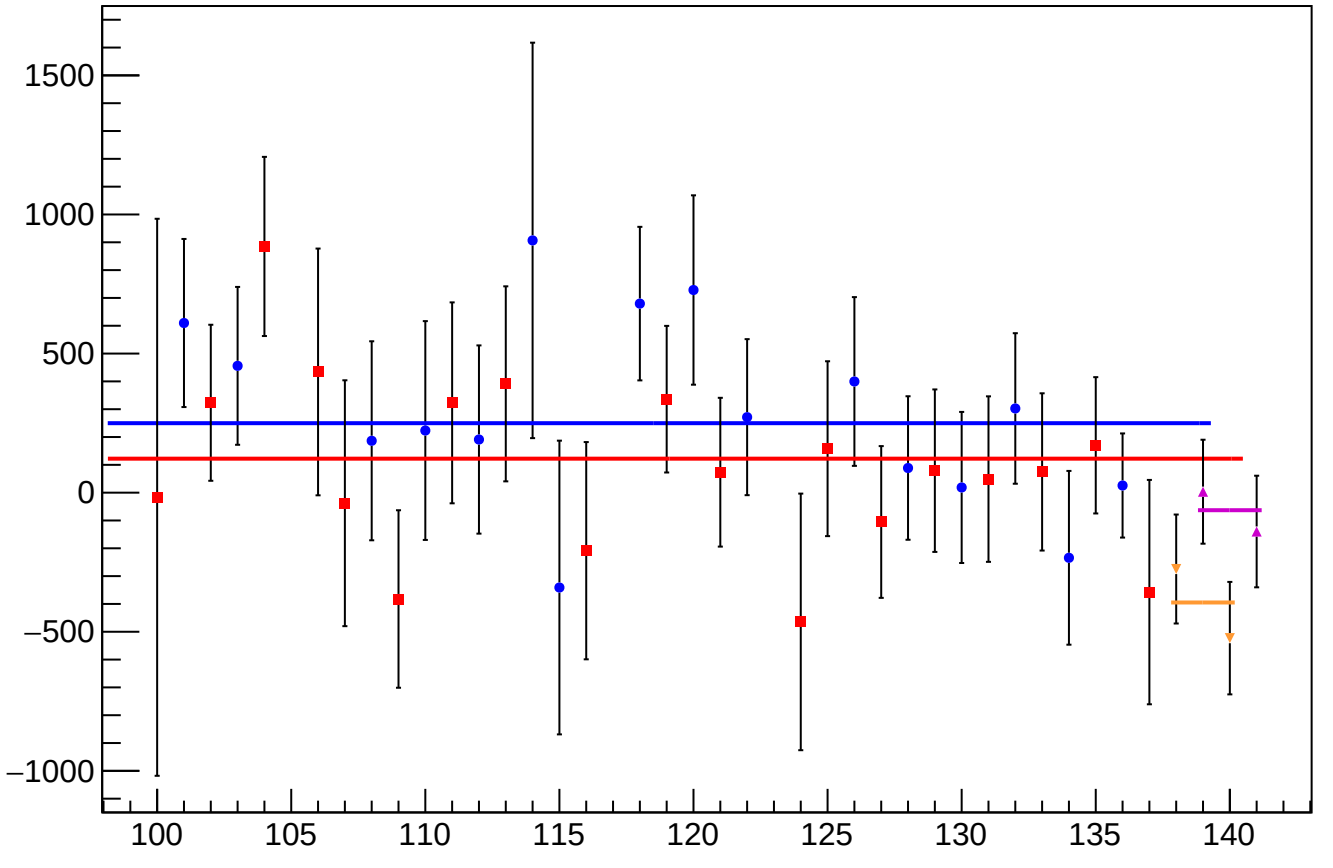
Left: 1444.169+/-0.561 χ^2/NDF: 35041.5/3

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1960.663+/-0.485 χ^2/NDF:1502769.2/17

Out: 1994.784+/-0.494 χ^2/NDF:1762766.6/20

All: 1977.396+/-0.346 χ^2/NDF: 3267965.0/38



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -394.786+/-140.657 χ^2/NDF:0.8/1

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -63.056+/-136.725 χ^2/NDF:0.3/1

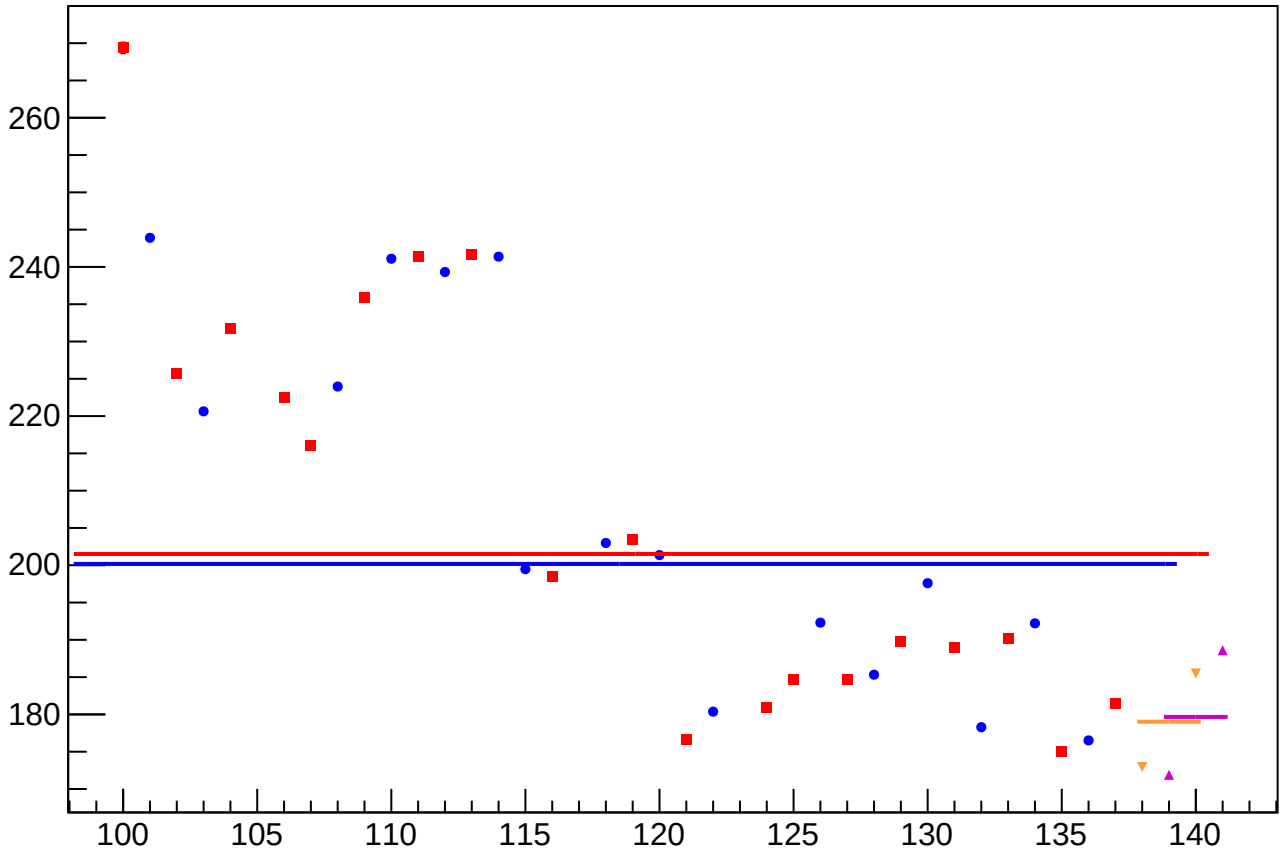
Left: -224.220+/-98.040 χ^2/NDF: 3.9/3

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 177.590+/-65.674 χ^2/NDF:18.1/17

Out: 9.232+/-65.753 χ^2/NDF:26.8/20

All: 93.512+/-46.466 χ^2/NDF: 48.1/38



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 179.020+/-0.099 χ^2/NDF:3975.0/1

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 179.662+/-0.097 χ^2/NDF:7424.9/1

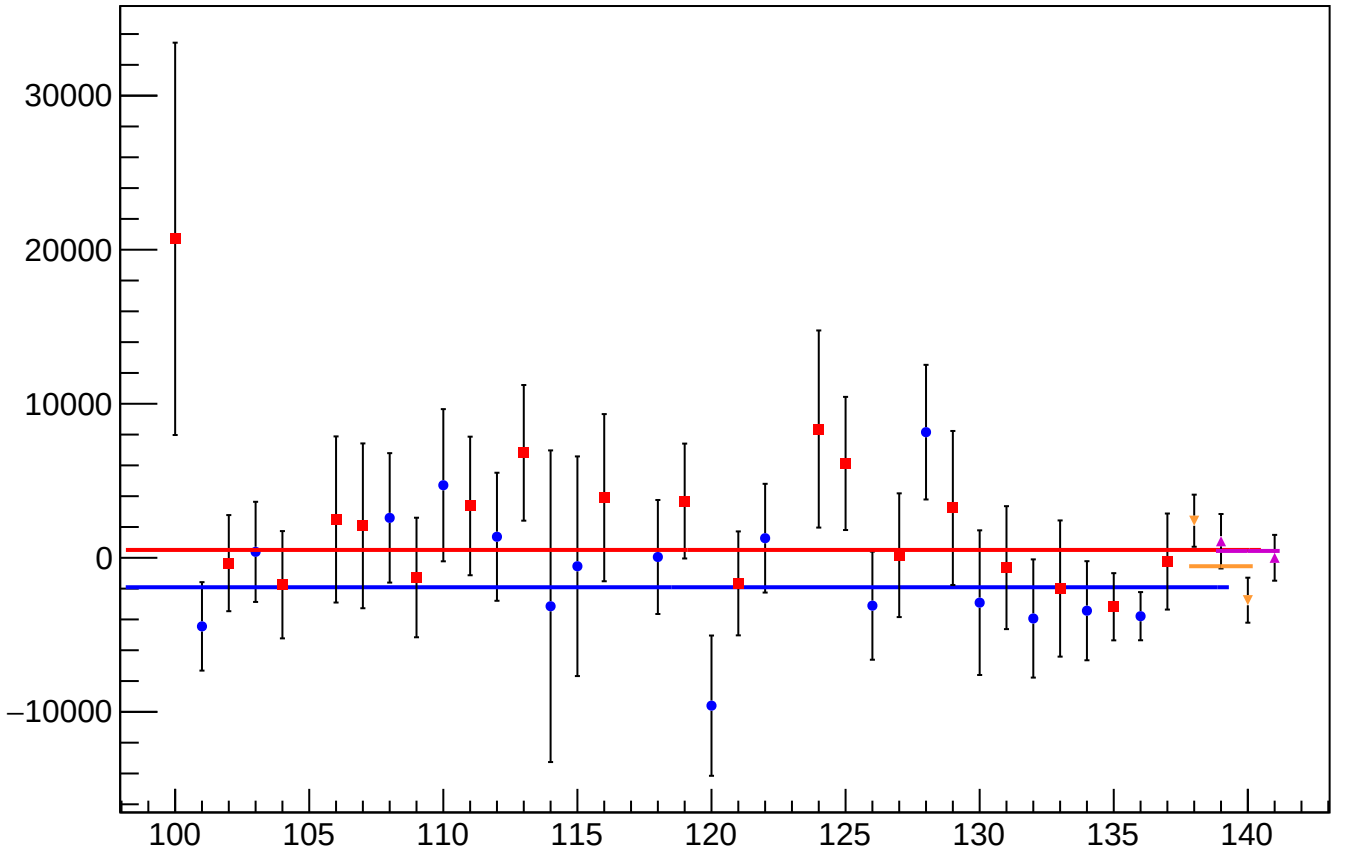
Left: 179.350+/-0.069 χ^2/NDF: 11421.2/3

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 195.444+/-0.046 χ^2/NDF:223066.1/17

Out: 196.599+/-0.046 χ^2/NDF:239378.5/20

All: 196.020+/-0.033 χ^2/NDF: 462753.6/38



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -546.115+/-1105.510 χ^2/NDF:5.3/1

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 446.907+/-1137.847 χ^2/NDF:0.2/1

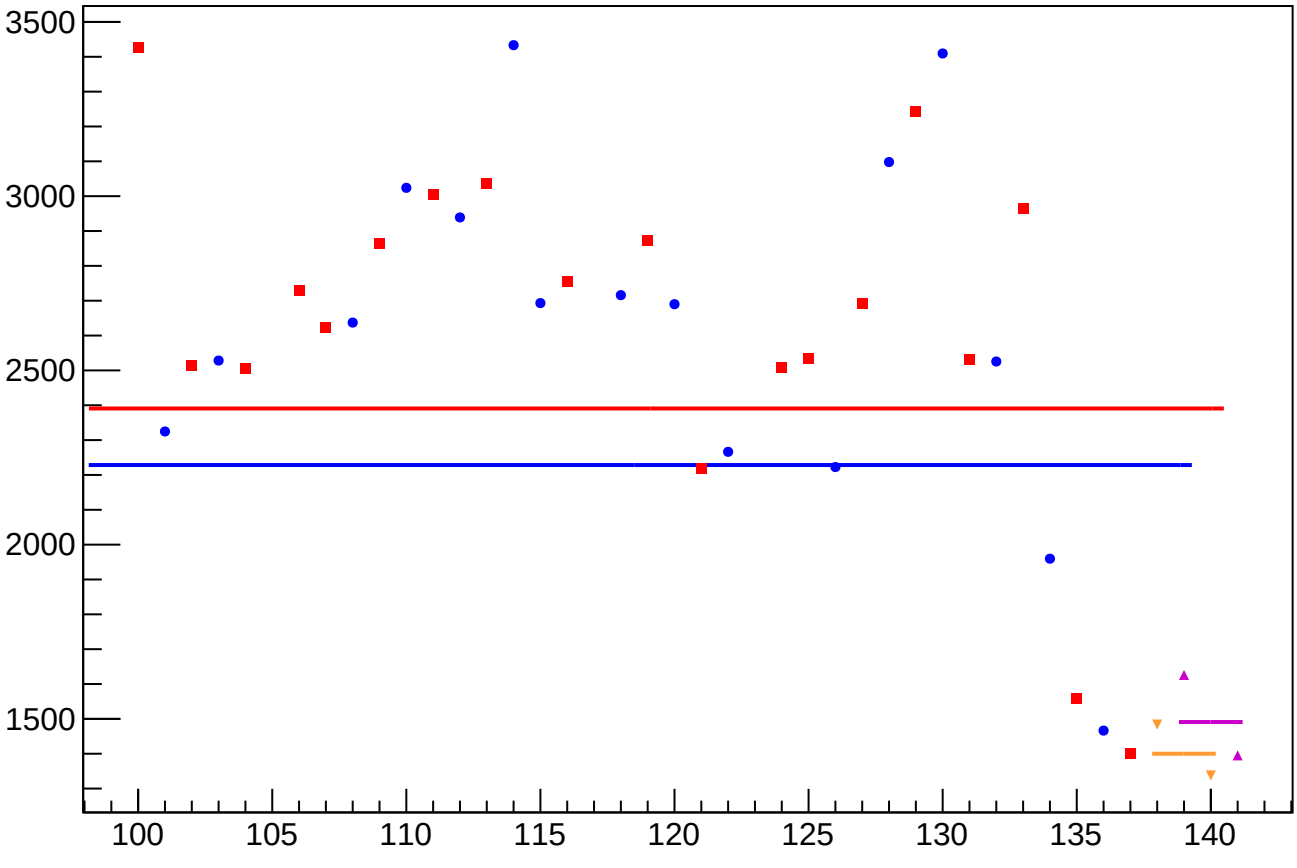
Left: -63.915+/-792.899 χ^2/NDF: 5.9/3

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1054.463+/-685.618 χ^2/NDF:19.2/17

Out: 88.674+/-698.893 χ^2/NDF:20.1/20

All: -493.853+/-489.431 χ^2/NDF: 40.7/38



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1400.033+/-0.782 χ^2/NDF:8530.8/1

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1490.924+/-0.805 χ^2/NDF:19945.9/1

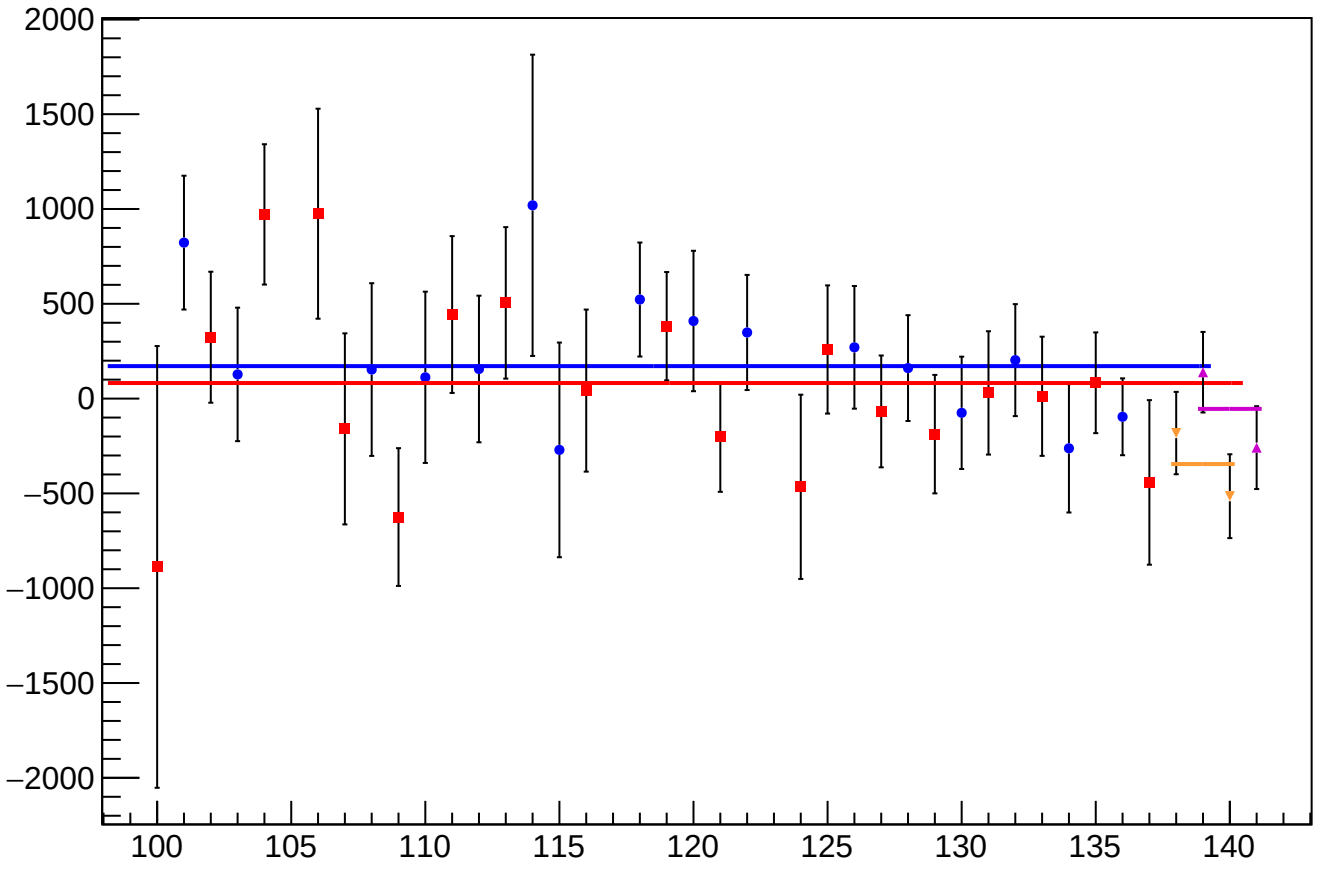
Left: 1444.169+/-0.561 χ^2/NDF: 35041.5/3

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1960.663+/-0.485 χ^2/NDF:1502769.2/17

Out: 1994.784+/-0.494 χ^2/NDF:1762766.6/20

All: 1977.396+/-0.346 χ^2/NDF: 3267965.0/38



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -345.280+/-154.947 χ^2/NDF:1.2/1

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -54.146+/-152.316 χ^2/NDF:1.7/1

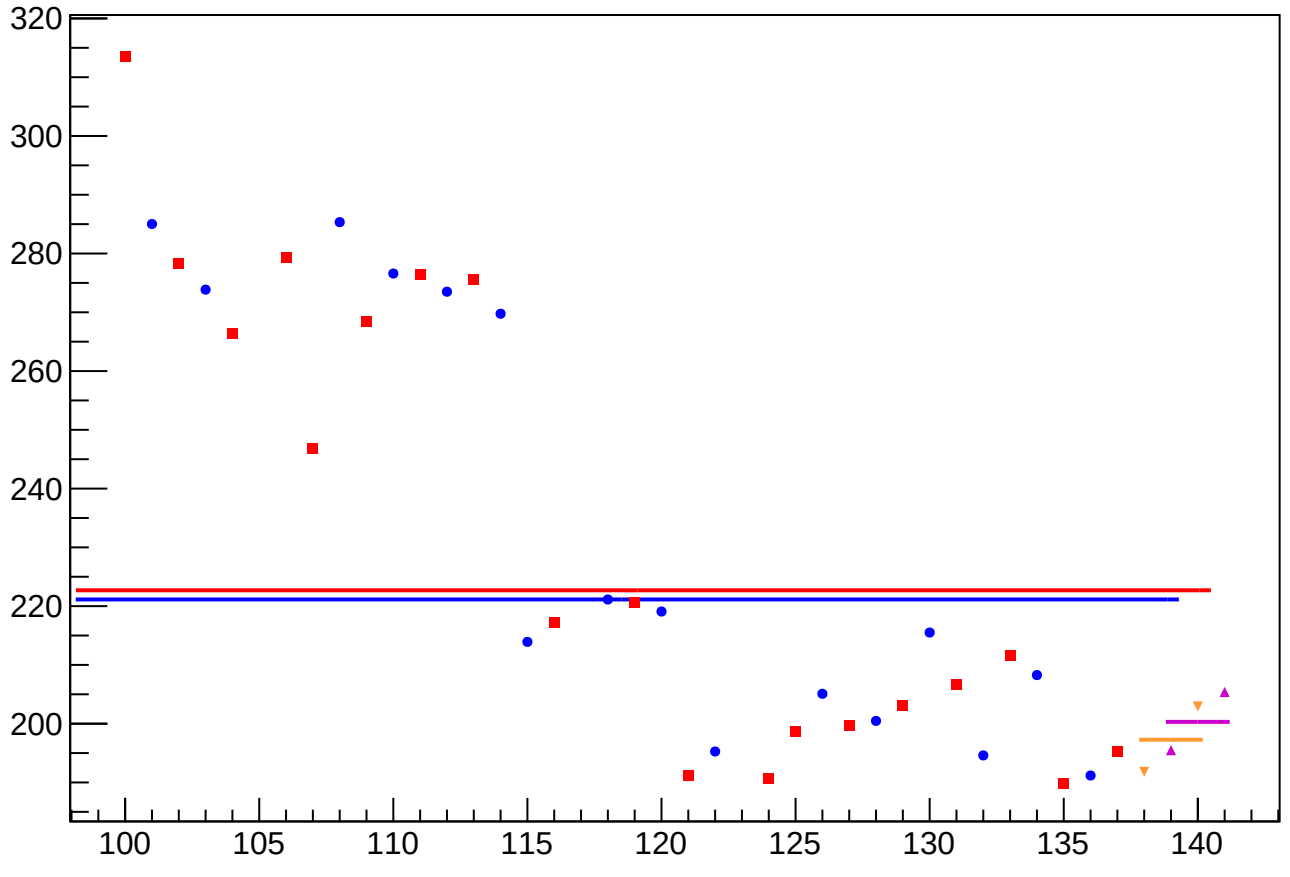
Left: -197.220+/-108.622 χ^2/NDF: 4.7/3

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 119.541+/-72.960 χ^2/NDF:14.9/17

Out: -12.338+/-72.852 χ^2/NDF:28.7/20

All: 53.504+/-51.552 χ^2/NDF: 45.2/38



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 197.267+/-0.110 χ^2/NDF:2577.6/1

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 200.306+/-0.108 χ^2/NDF:2110.1/1

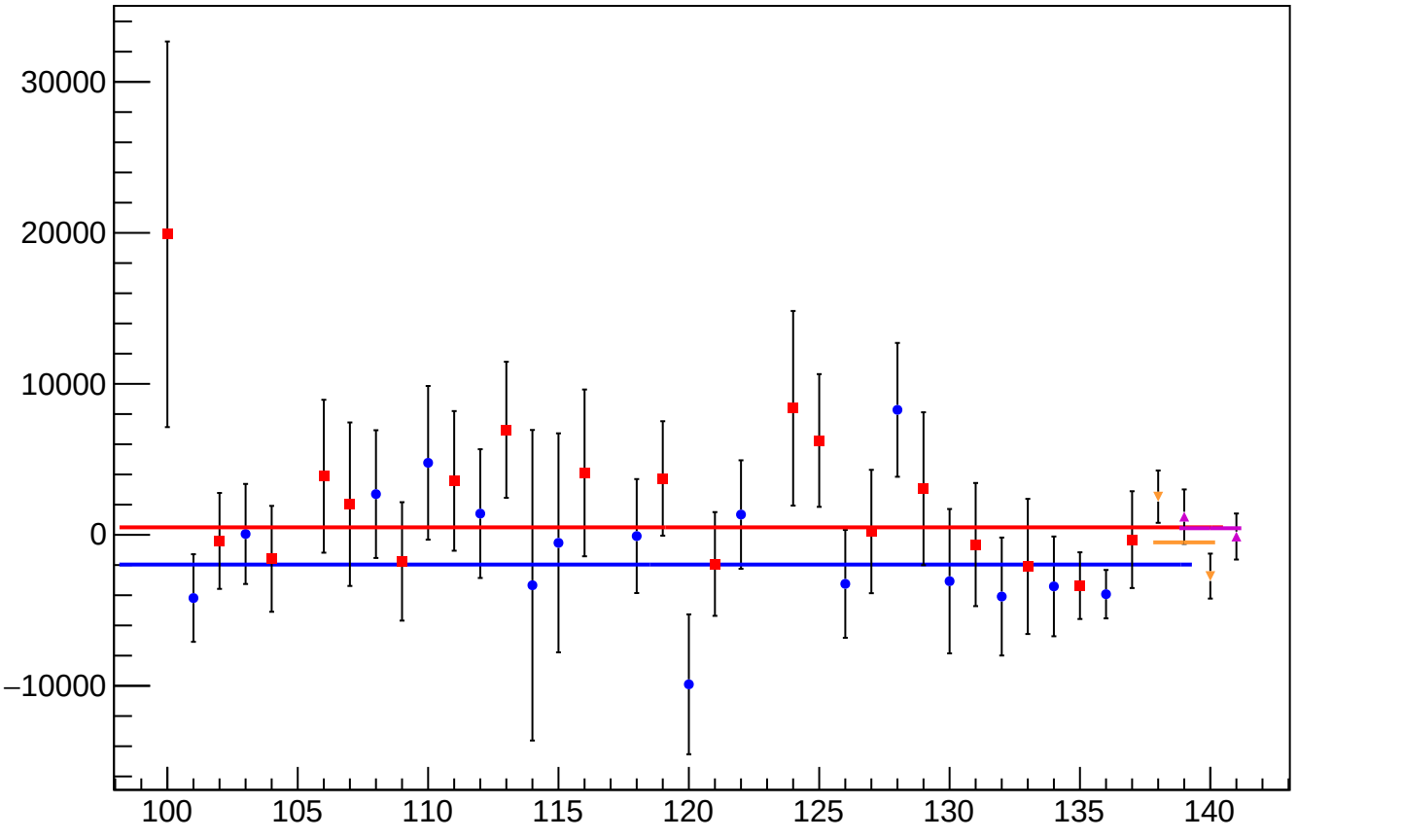
Left: 198.812+/-0.077 χ^2/NDF: 5078.8/3

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 216.359+/-0.052 χ^2/NDF:349643.6/17

Out: 217.076+/-0.052 χ^2/NDF:371573.0/20

All: 216.718+/-0.036 χ^2/NDF: 721313.2/38



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -499.019+/-1129.418 χ^2/NDF:5.3/1

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 437.966+/-1163.882 χ^2/NDF:0.3/1

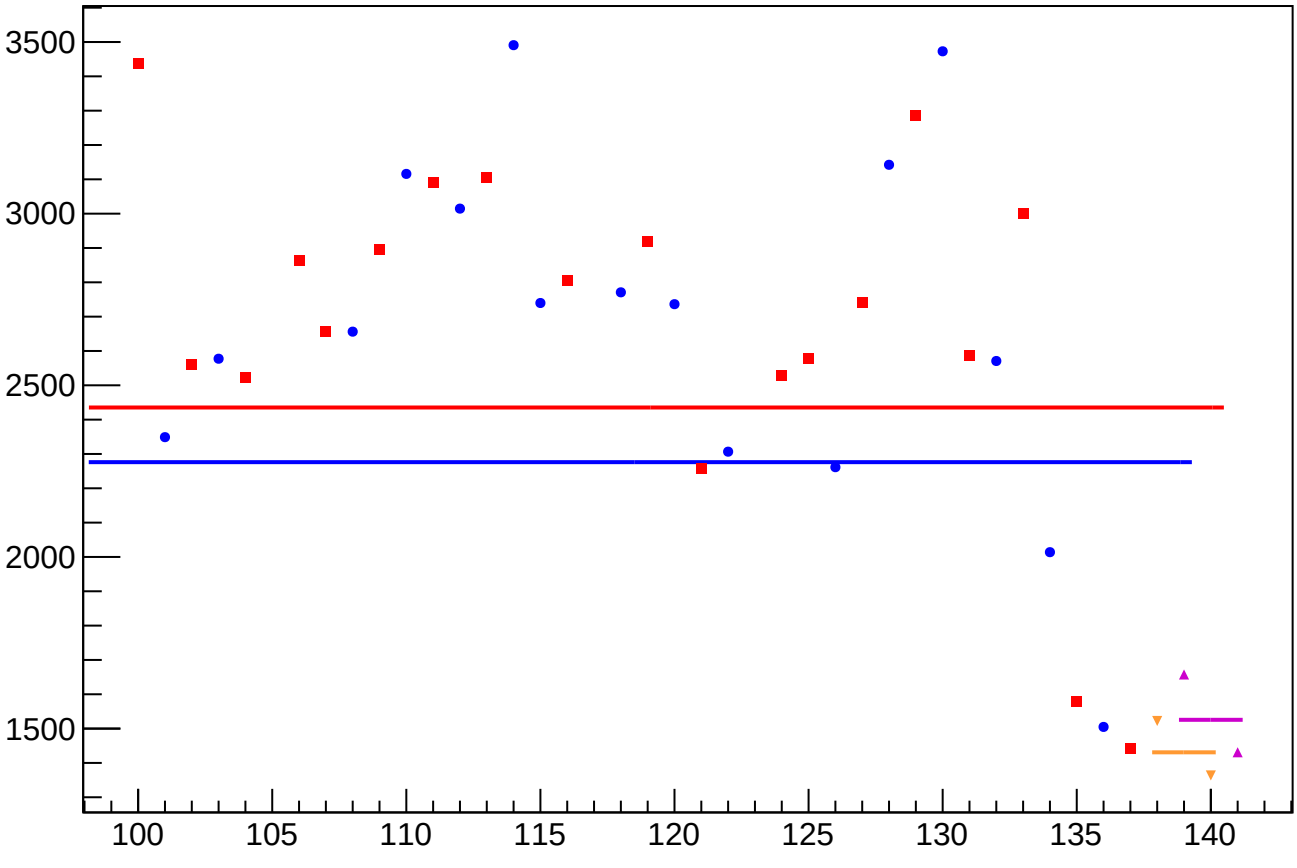
Left: -44.605+/-810.529 χ^2/NDF: 5.9/3

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -1096.786+/-700.218 χ^2/NDF:19.2/17

Out: 102.611+/-710.847 χ^2/NDF:20.5/20

All: -506.121+/-498.845 χ^2/NDF: 41.2/38



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1430.883+/-0.799 χ^2/NDF:9640.1/1

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1525.594+/-0.823 χ^2/NDF:18429.3/1

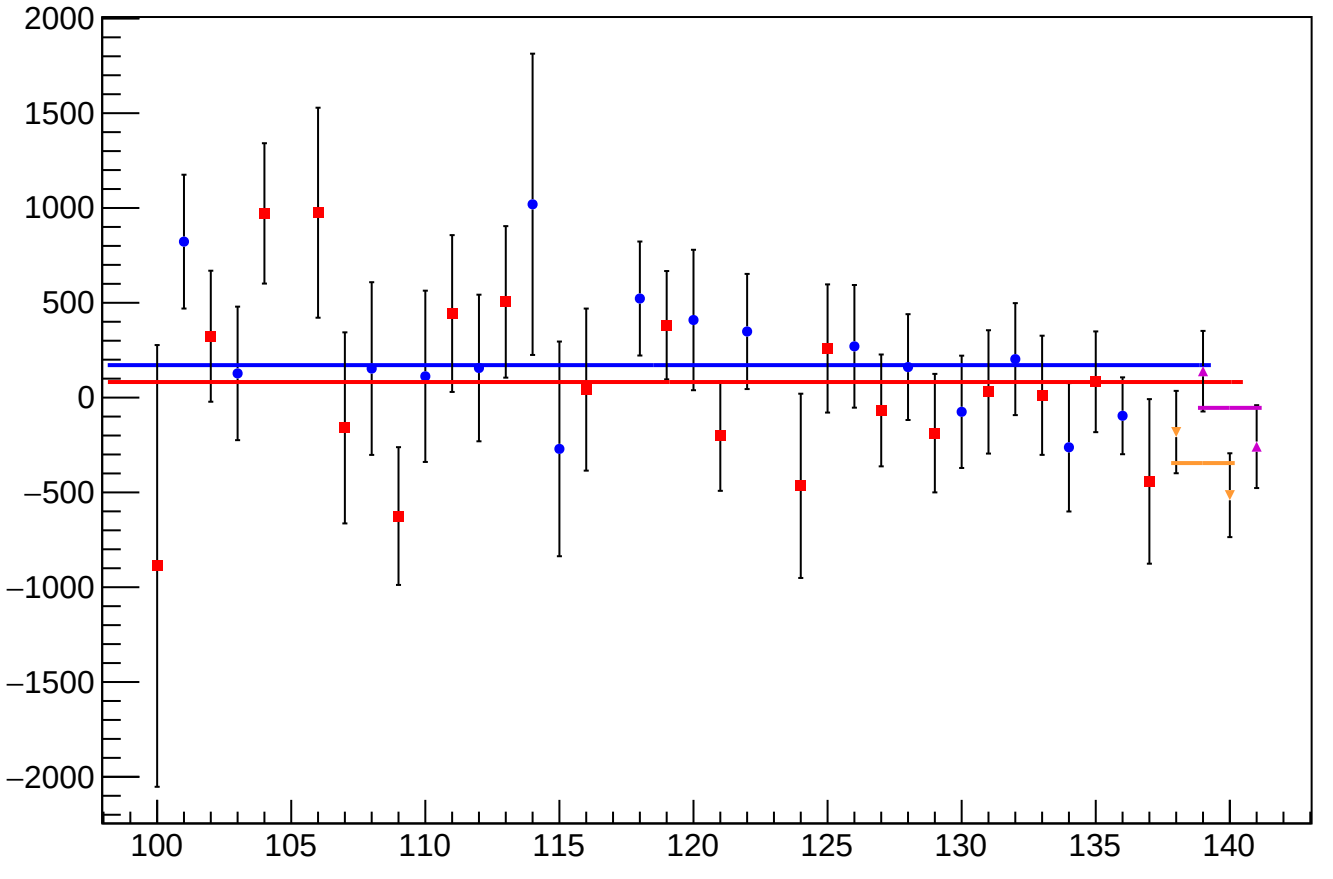
Left: 1476.815+/-0.573 χ^2/NDF: 34890.3/3

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 2004.476+/-0.495 χ^2/NDF:1476070.4/17

Out: 2037.448+/-0.503 χ^2/NDF:1756445.9/20

All: 2020.713+/-0.353 χ^2/NDF: 3234700.2/38



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -345.285+/-154.947 χ^2/NDF:1.2/1

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -54.146+/-152.316 χ^2/NDF:1.7/1

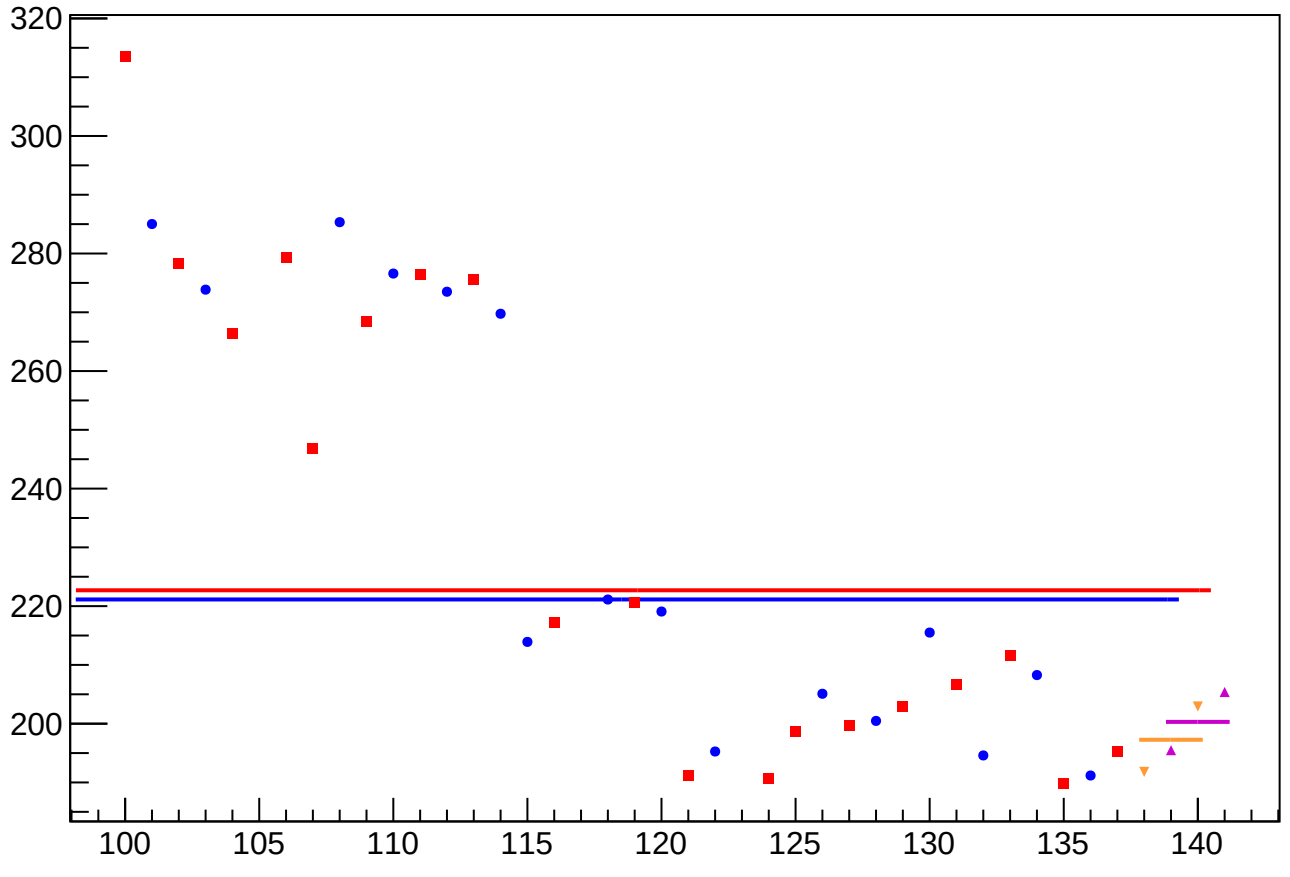
Left: -197.223+/-108.622 χ^2/NDF: 4.7/3

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 119.542+/-72.960 χ^2/NDF:14.9/17

Out: -12.340+/-72.852 χ^2/NDF:28.7/20

All: 53.503+/-51.552 χ^2/NDF: 45.2/38



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 197.267+/-0.110 χ^2/NDF:2577.7/1

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 200.305+/-0.108 χ^2/NDF:2110.3/1

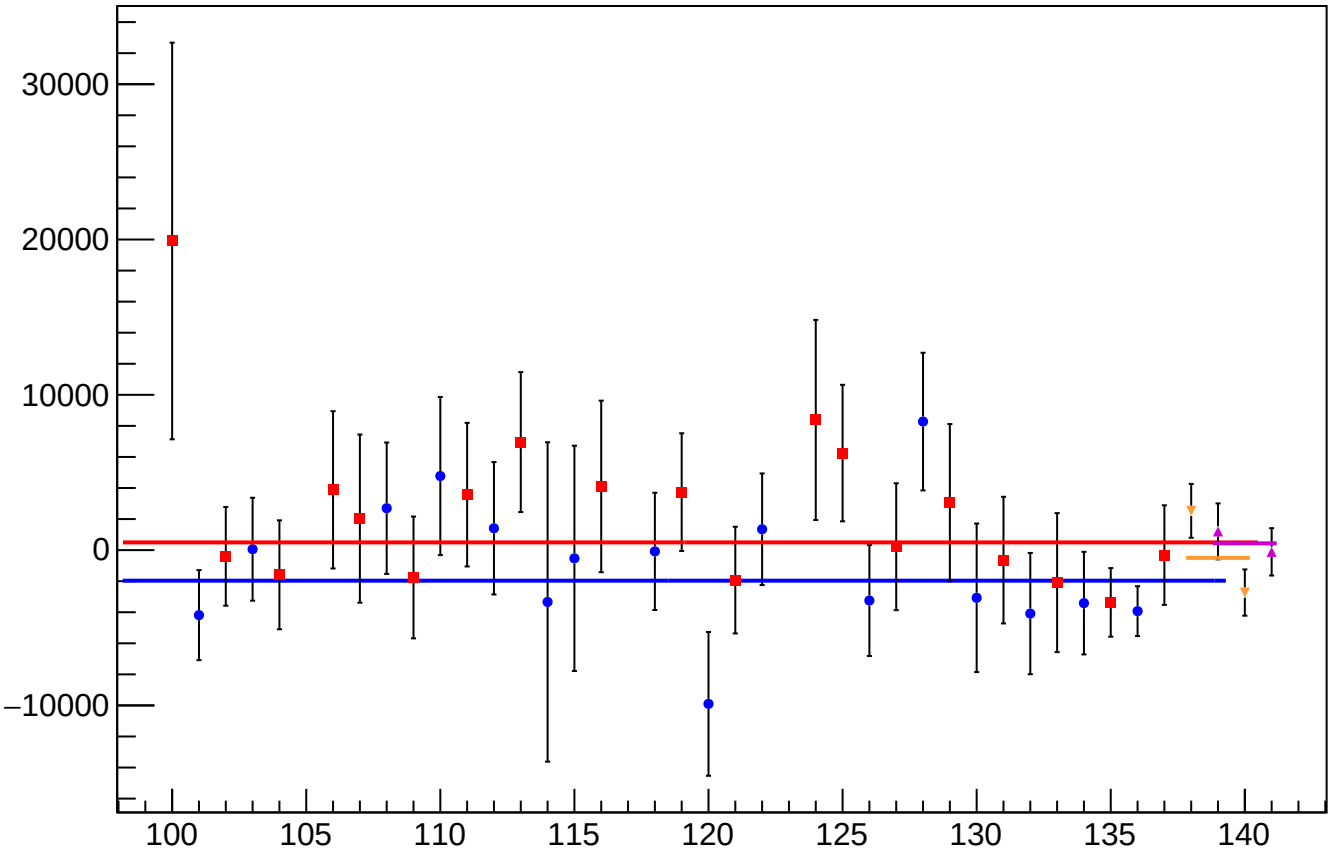
Left: 198.812+/-0.077 χ^2/NDF: 5079.1/3

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 216.358+/-0.052 χ^2/NDF:349636.5/17

Out: 217.075+/-0.052 χ^2/NDF:371564.1/20

All: 216.717+/-0.036 χ^2/NDF: 721297.4/38



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -499.021+/-1129.417 χ^2/NDF:5.3/1

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 437.967+/-1163.881 χ^2/NDF:0.3/1

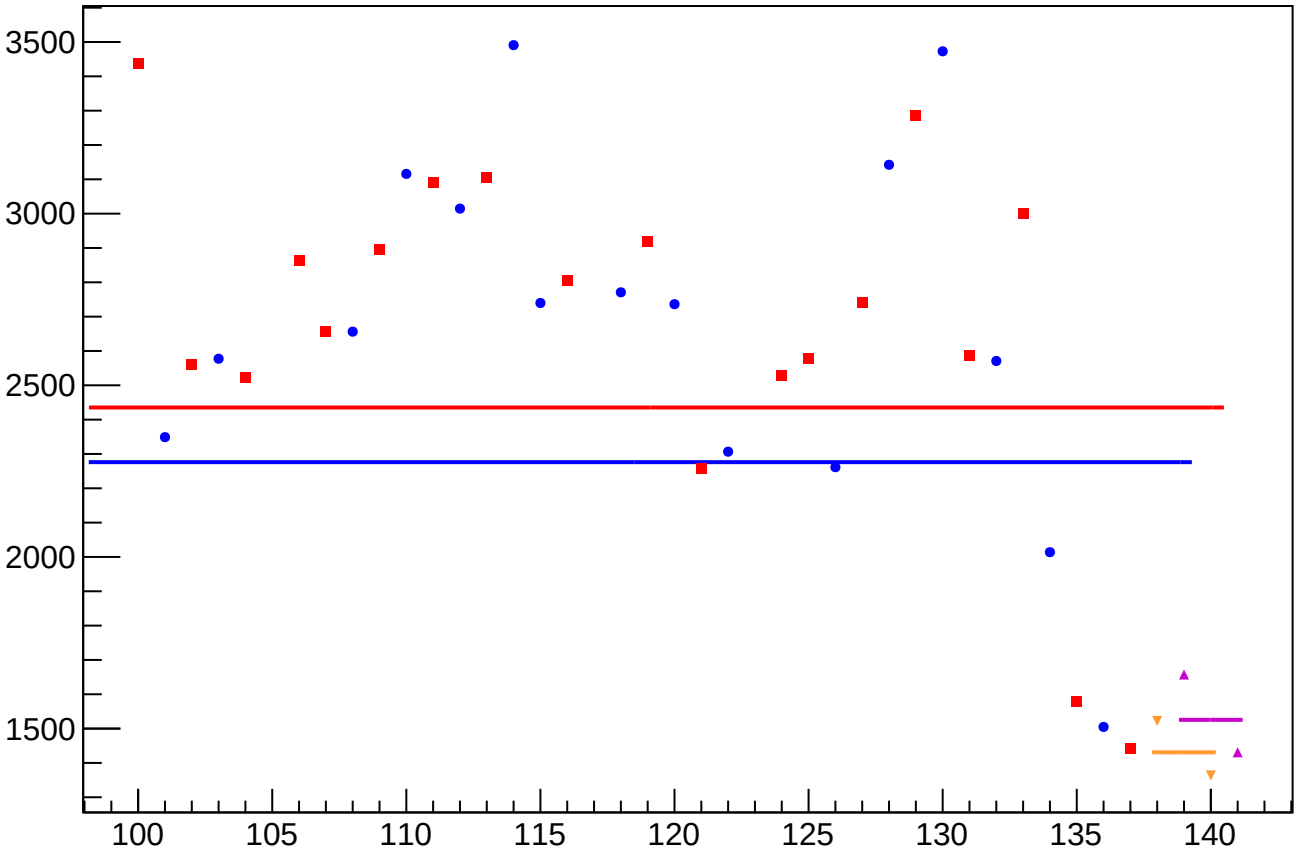
Left: -44.605+/-810.529 χ^2/NDF: 5.9/3

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -1096.783+/-700.217 χ^2/NDF:19.2/17

Out: 102.612+/-710.846 χ^2/NDF:20.5/20

All: -506.120+/-498.844 χ^2/NDF: 41.2/38



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1430.882+/-0.799 χ^2/NDF:9639.9/1

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1525.592+/-0.823 χ^2/NDF:18428.8/1

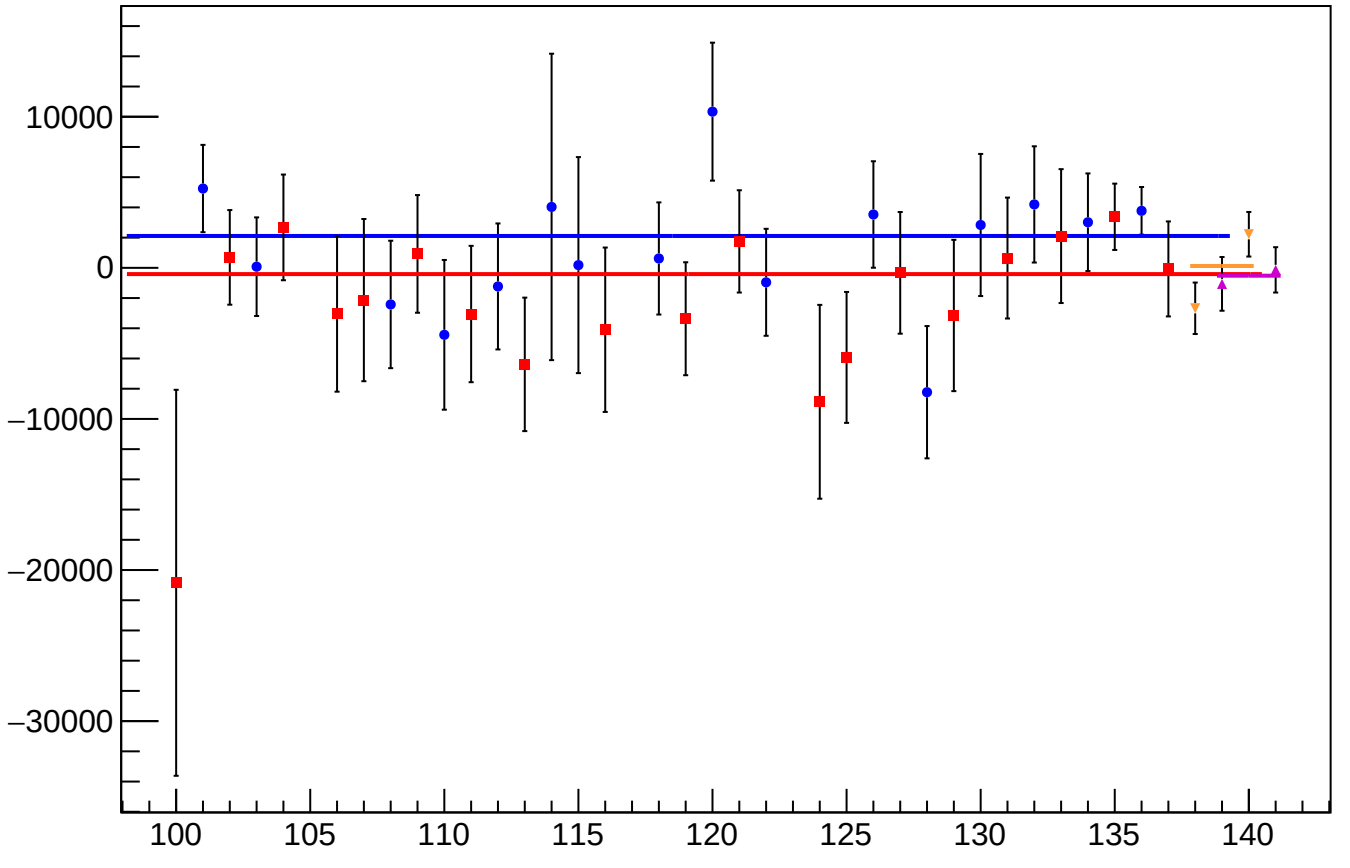
Left: 1476.814+/-0.573 χ^2/NDF: 34889.4/3

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 2004.474+/-0.495 χ^2/NDF:1476059.6/17

Out: 2037.445+/-0.503 χ^2/NDF:1756437.3/20

All: 2020.711+/-0.353 χ^2/NDF: 3234680.8/38



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 122.626+/-1114.999 χ^2/NDF:4.7/1

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -520.206+/-1146.641 χ^2/NDF:0.2/1

Left: -189.798+/-799.376 χ^2/NDF: 5.1/3

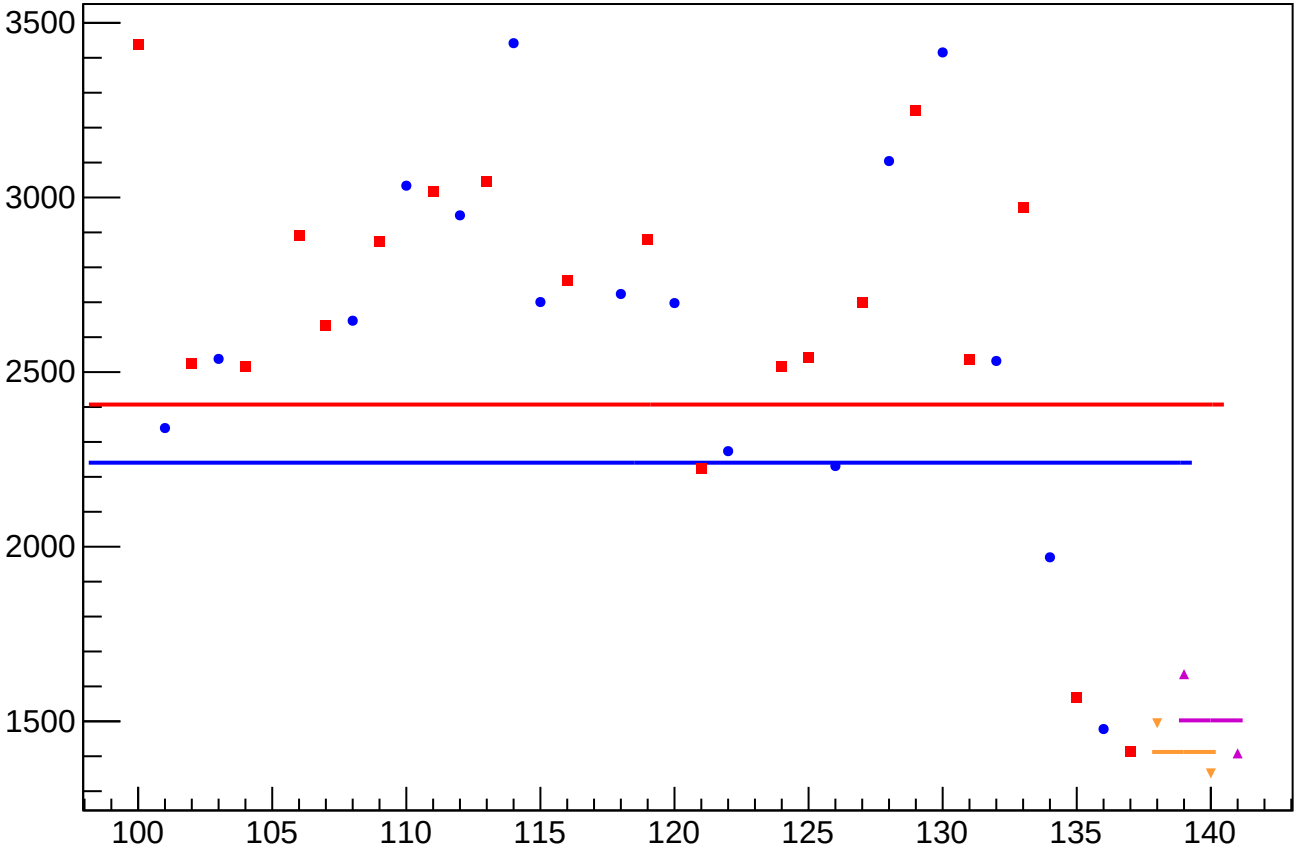
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 1158.169+/-689.676 χ^2/NDF:20.1/17

Out: -201.102+/-702.397 χ^2/NDF:19.5/20

All: 490.954+/-492.111 χ^2/NDF: 41.6/38

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1412.336+/-0.788 χ^2/NDF:8118.8/1

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1502.719+/-0.811 χ^2/NDF:19000.6/1

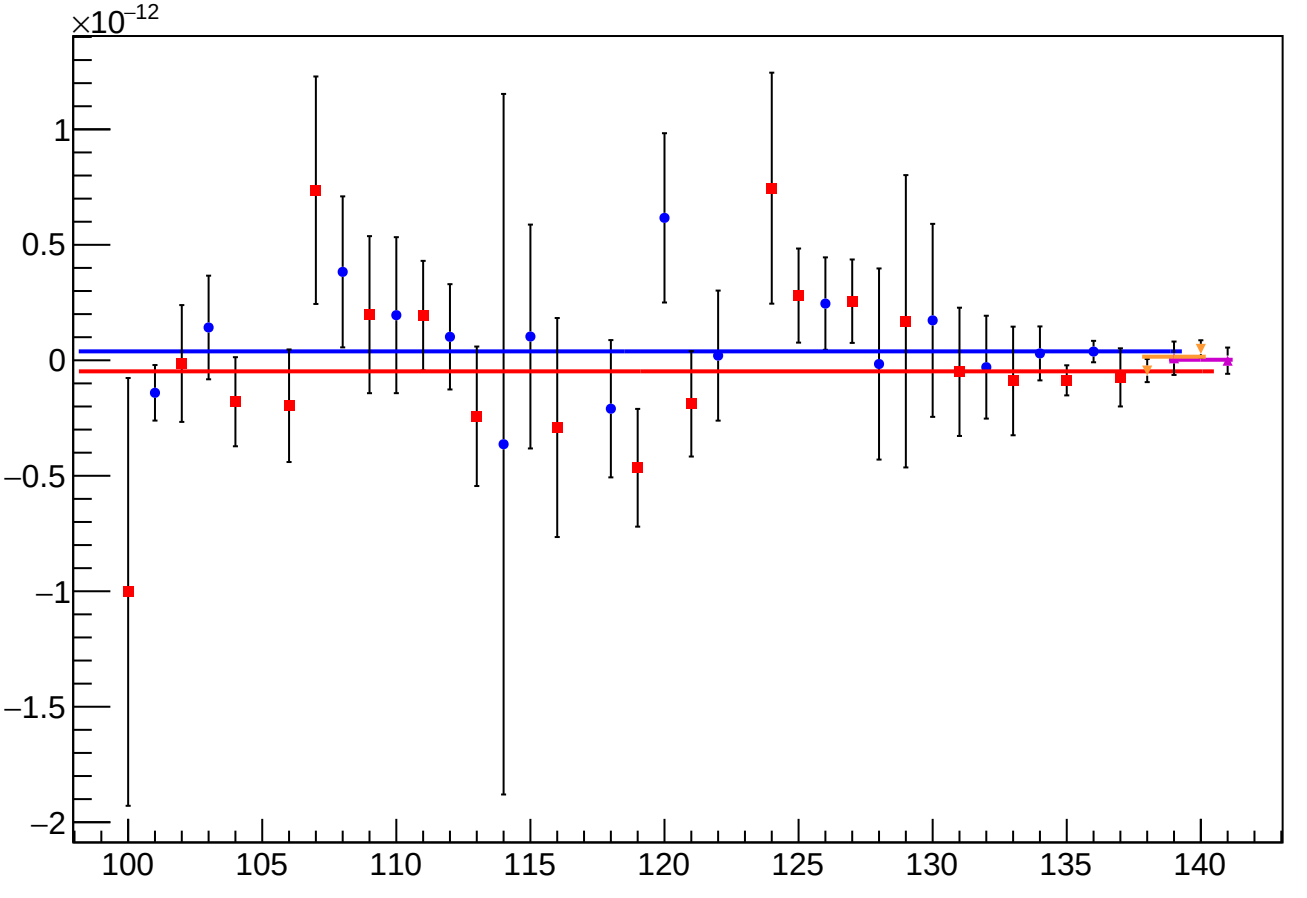
Left: 1456.263+/-0.565 χ^2/NDF: 33506.5/3

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1973.672+/-0.488 χ^2/NDF:1481225.1/17

Out: 2012.351+/-0.497 χ^2/NDF:1757321.9/20

All: 1992.658+/-0.348 χ^2/NDF: 3241634.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

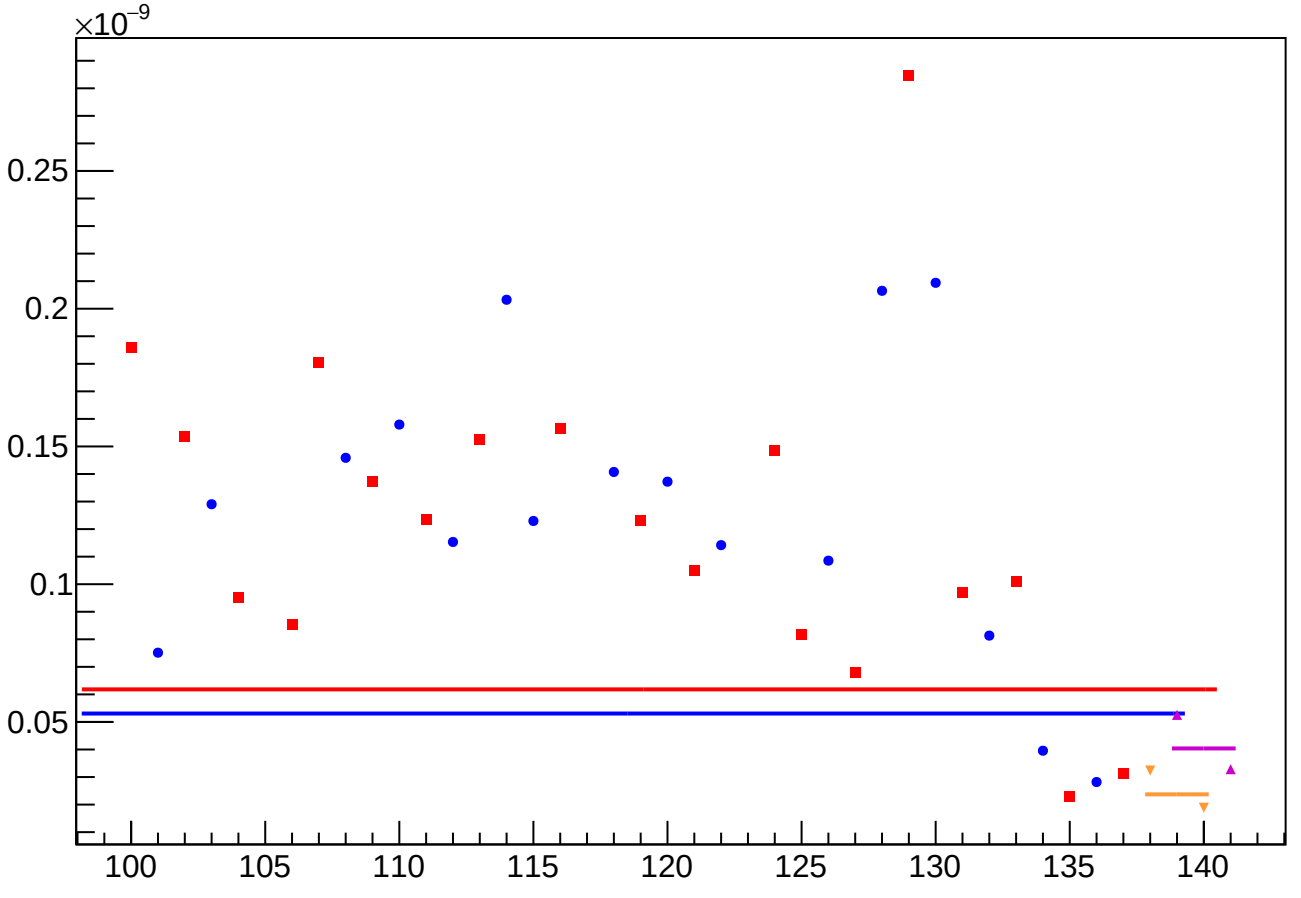
Left: 0.000+/-0.000 χ^2/NDF: 2.3/3

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:8.8/17

Out: -0.000+/-0.000 χ^2/NDF:21.9/20

All: 0.000+/-0.000 χ^2/NDF: 31.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:93378.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:91801.2/1

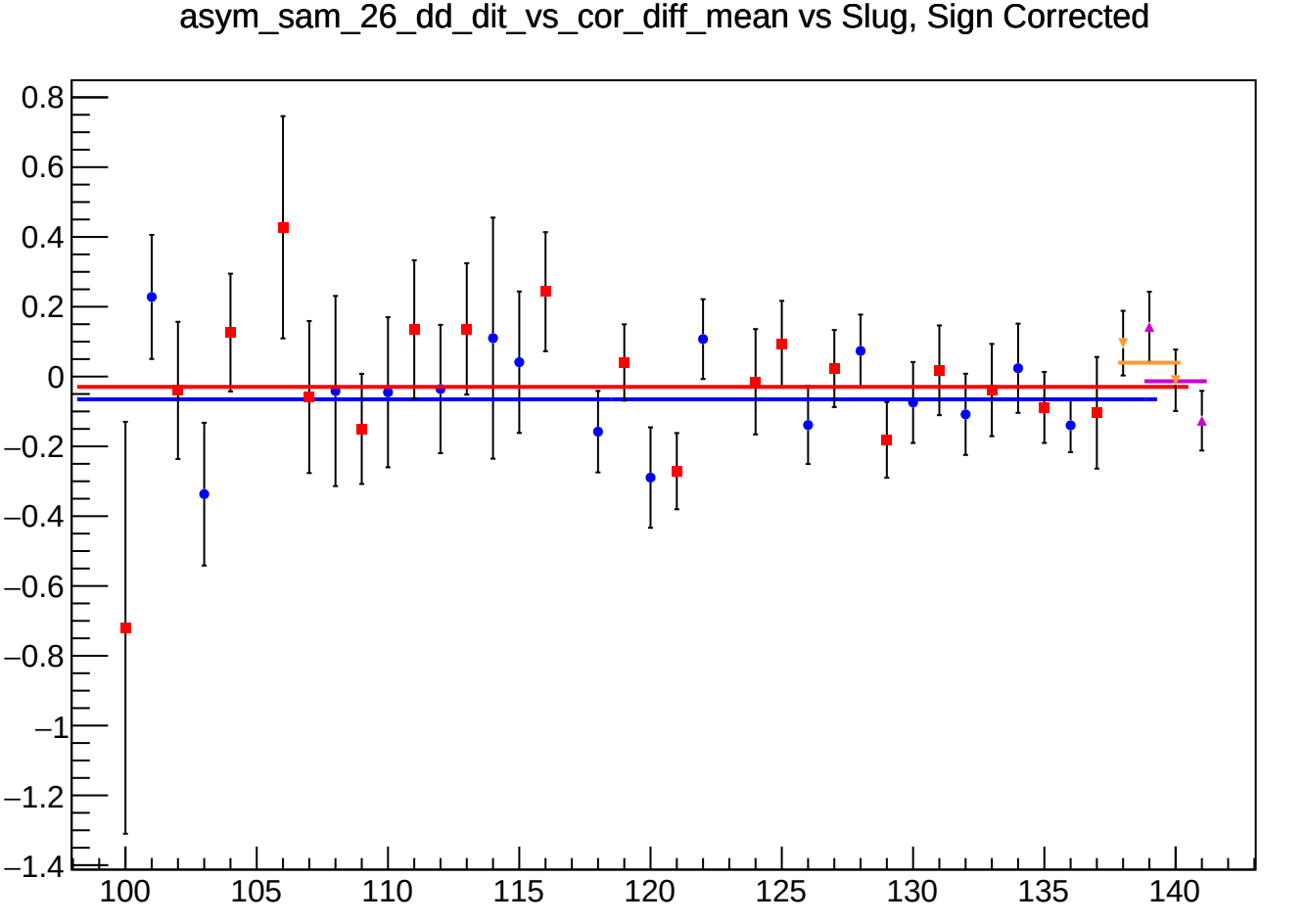
Left: 0.000+/-0.000 χ^2/NDF: 376996.7/3

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

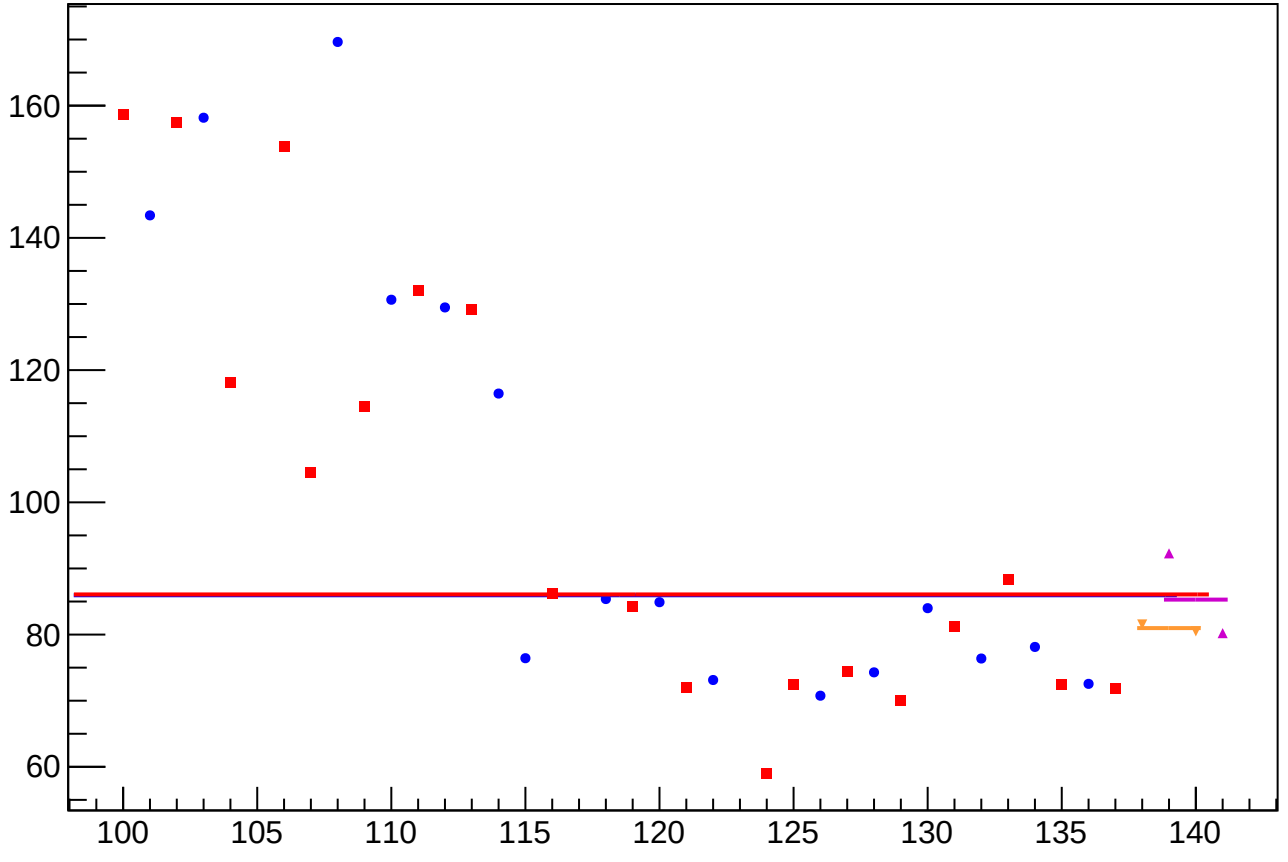
In: 0.000+/-0.000 χ^2/NDF:2765059.9/17

Out: 0.000+/-0.000 χ^2/NDF:3555099.3/20

All: 0.000+/-0.000 χ^2/NDF: 6524297.0/38


asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
105
110
115
120
125
130
135
140
Right In: -0.065+/-0.033 χ²/NDF: 14.2/15
Left Out: 0.040+/-0.064 χ²/NDF:0.7/1
Right Out: -0.030+/-0.033 χ²/NDF: 18.1/18
Left In: -0.013+/-0.065 χ²/NDF:4.2/1
Left: 0.014+/-0.046 χ²/NDF: 5.2/3
Right: -0.047+/-0.023 χ²/NDF: 32.8/34
In: -0.054+/-0.030 χ²/NDF:18.8/17
Out: -0.015+/-0.029 χ²/NDF:19.7/20
All: -0.034+/-0.021 χ²/NDF: 39.4/38

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 80.981+/-0.045 χ^2/NDF:136.1/1

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.290+/-0.046 χ^2/NDF:16726.1/1

Left: 83.091+/-0.032 χ^2/NDF: 21327.2/3

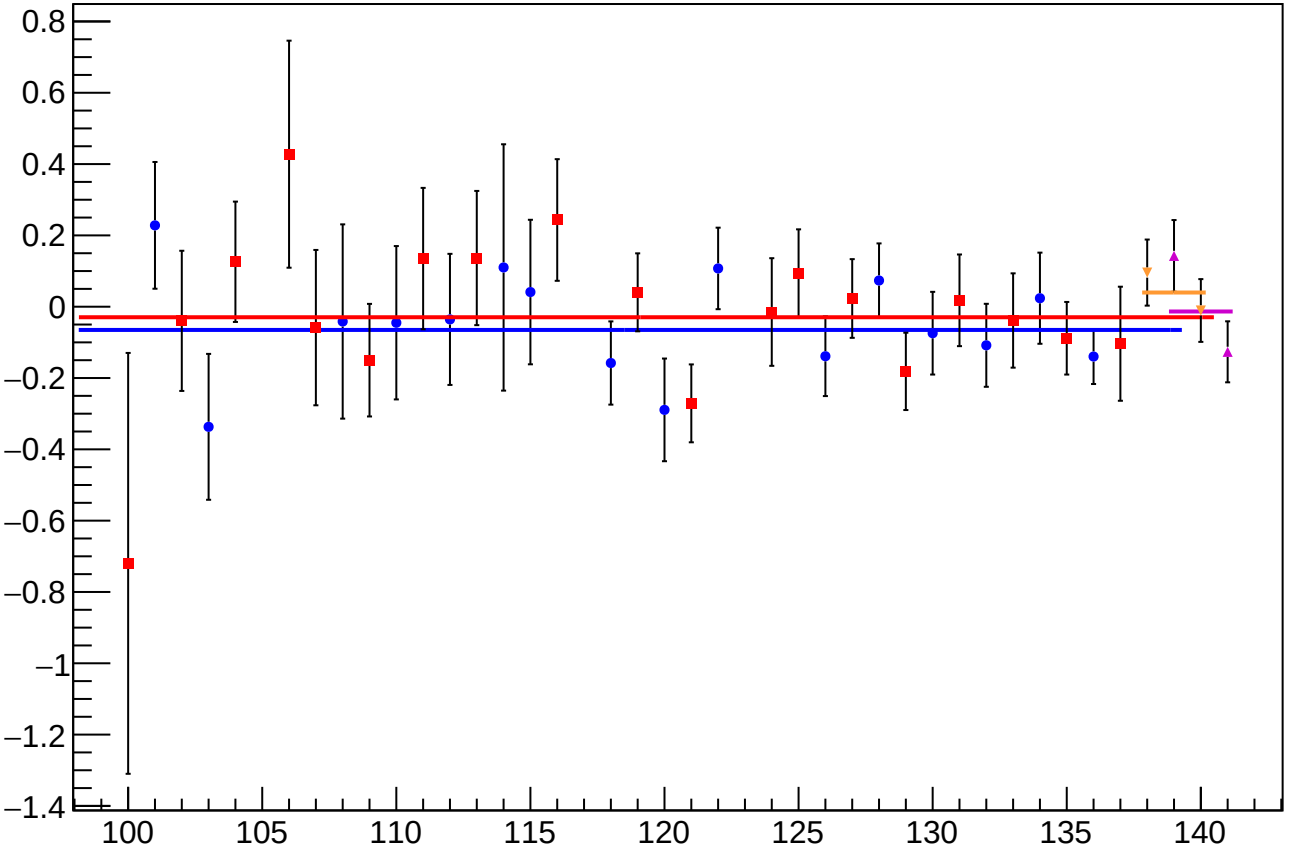
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.810+/-0.021 χ^2/NDF:1051891.3/17

Out: 85.000+/-0.021 χ^2/NDF:1001557.6/20

All: 85.400+/-0.015 χ^2/NDF: 2054202.9/38

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.040+/-0.064 χ^2/NDF:0.7/1

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.013+/-0.065 χ^2/NDF:4.2/1

Left: 0.014+/-0.046 χ^2/NDF: 5.2/3

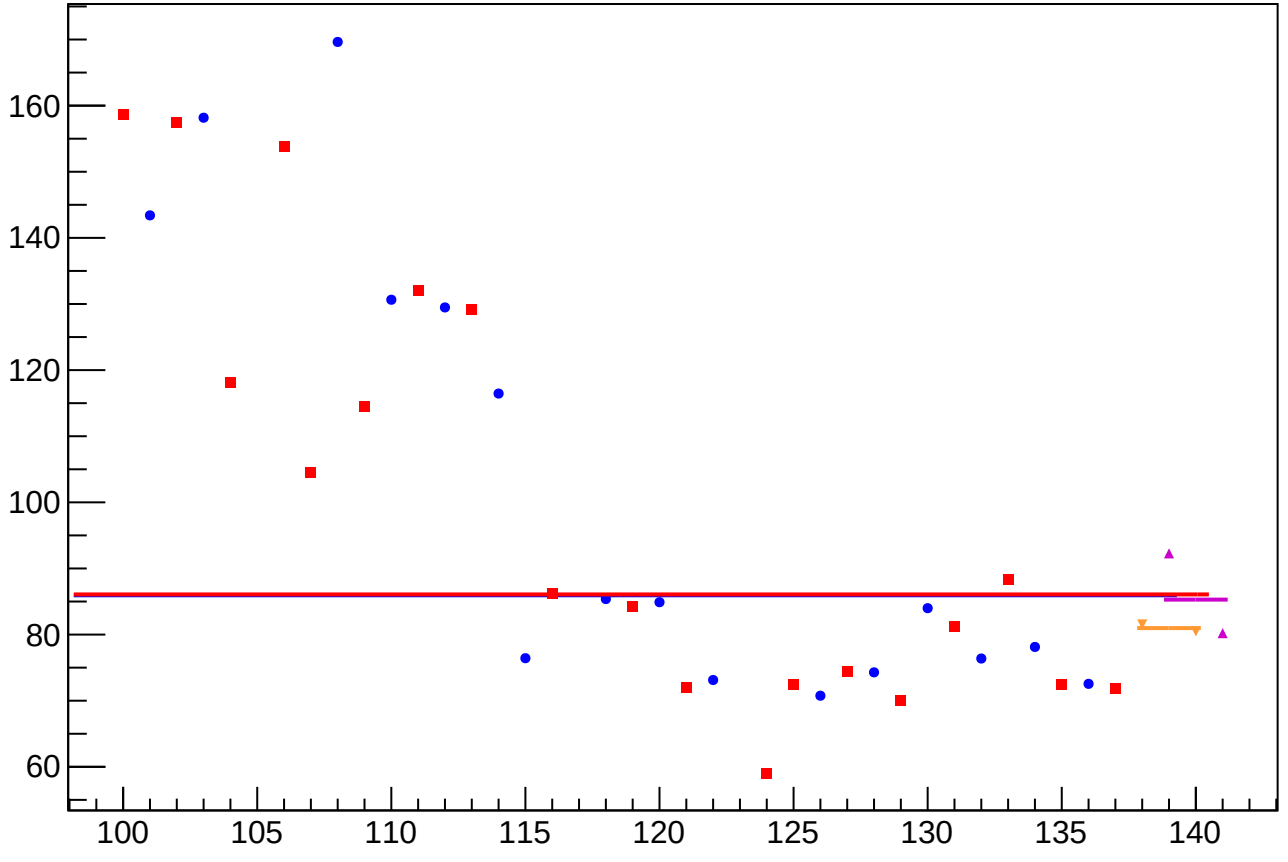
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.054+/-0.030 χ^2/NDF:18.8/17

Out: -0.015+/-0.029 χ^2/NDF:19.7/20

All: -0.034+/-0.021 χ^2/NDF: 39.4/38

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 80.981+/-0.045 χ^2/NDF:136.1/1

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.290+/-0.046 χ^2/NDF:16726.1/1

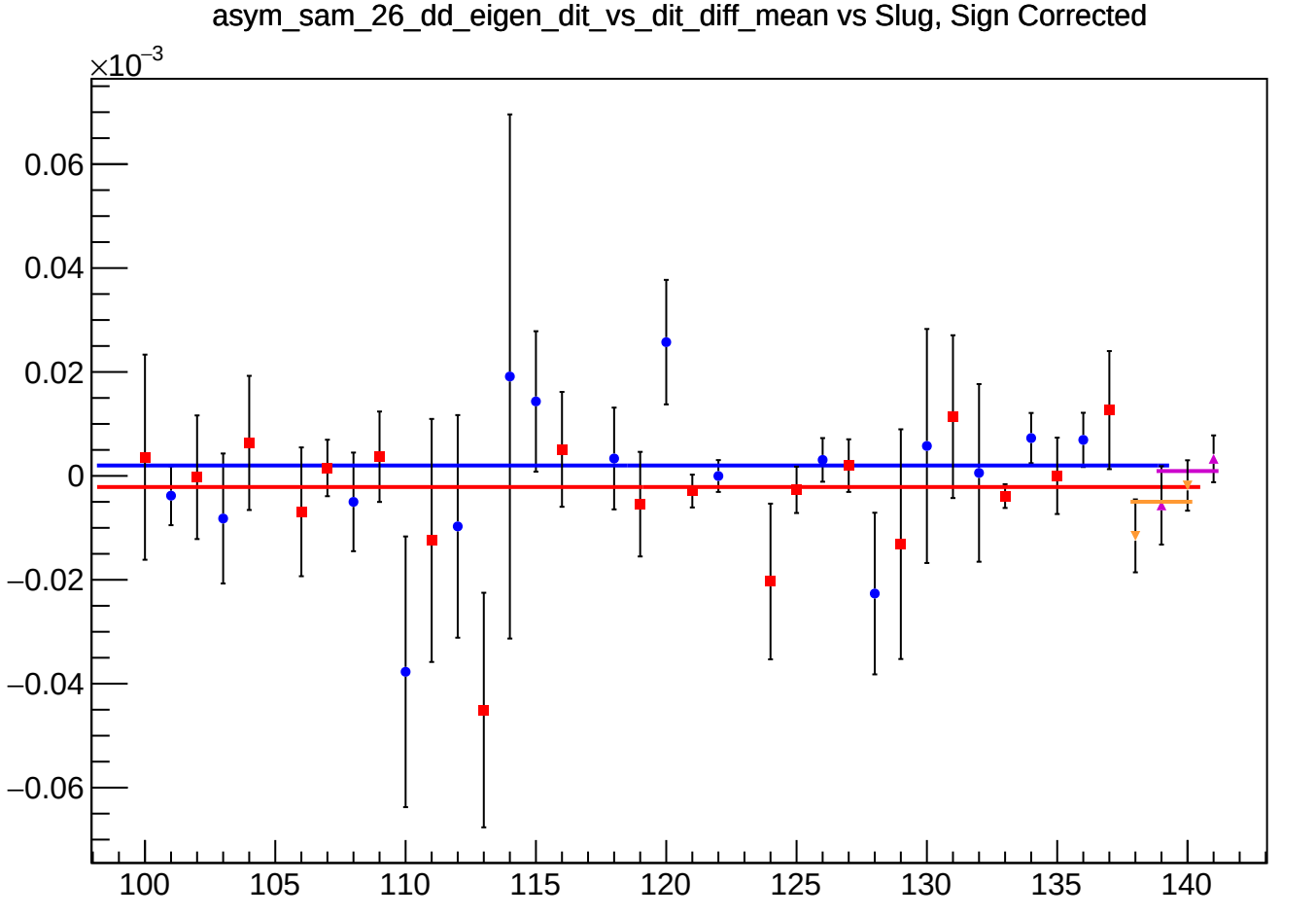
Left: 83.091+/-0.032 χ^2/NDF: 21327.2/3

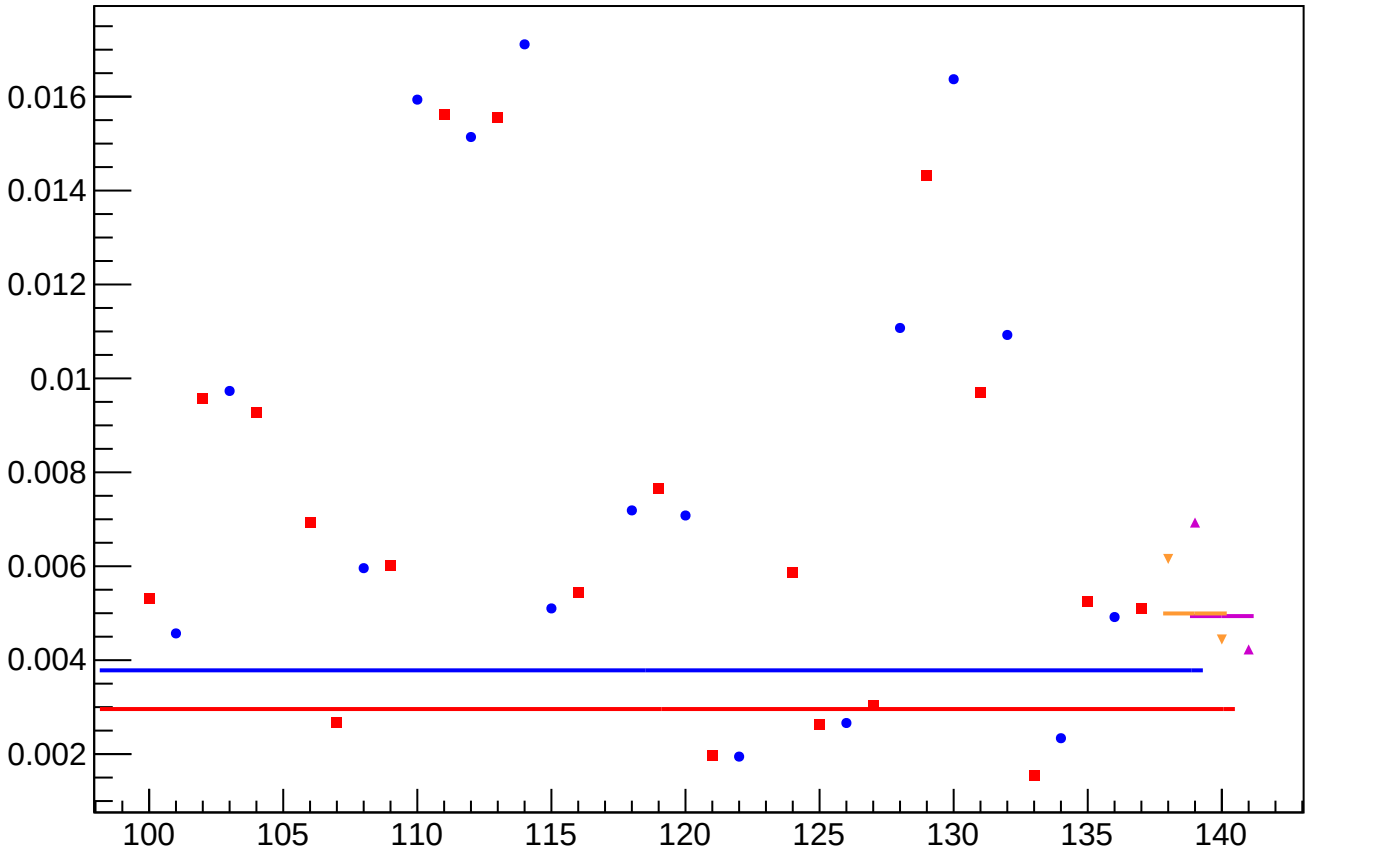
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.810+/-0.021 χ^2/NDF:1051891.3/17

Out: 85.000+/-0.021 χ^2/NDF:1001557.6/20

All: 85.400+/-0.015 χ^2/NDF: 2054202.9/38


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:1.3/1
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: 0.000+/-0.000 χ²/NDF:1.0/1
Left: -0.000+/-0.000 χ²/NDF: 3.5/3
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:16.0/17
Out: -0.000+/-0.000 χ²/NDF:13.3/20
All: -0.000+/-0.000 χ²/NDF: 33.5/38



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:80813.3/1

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:189045.8/1

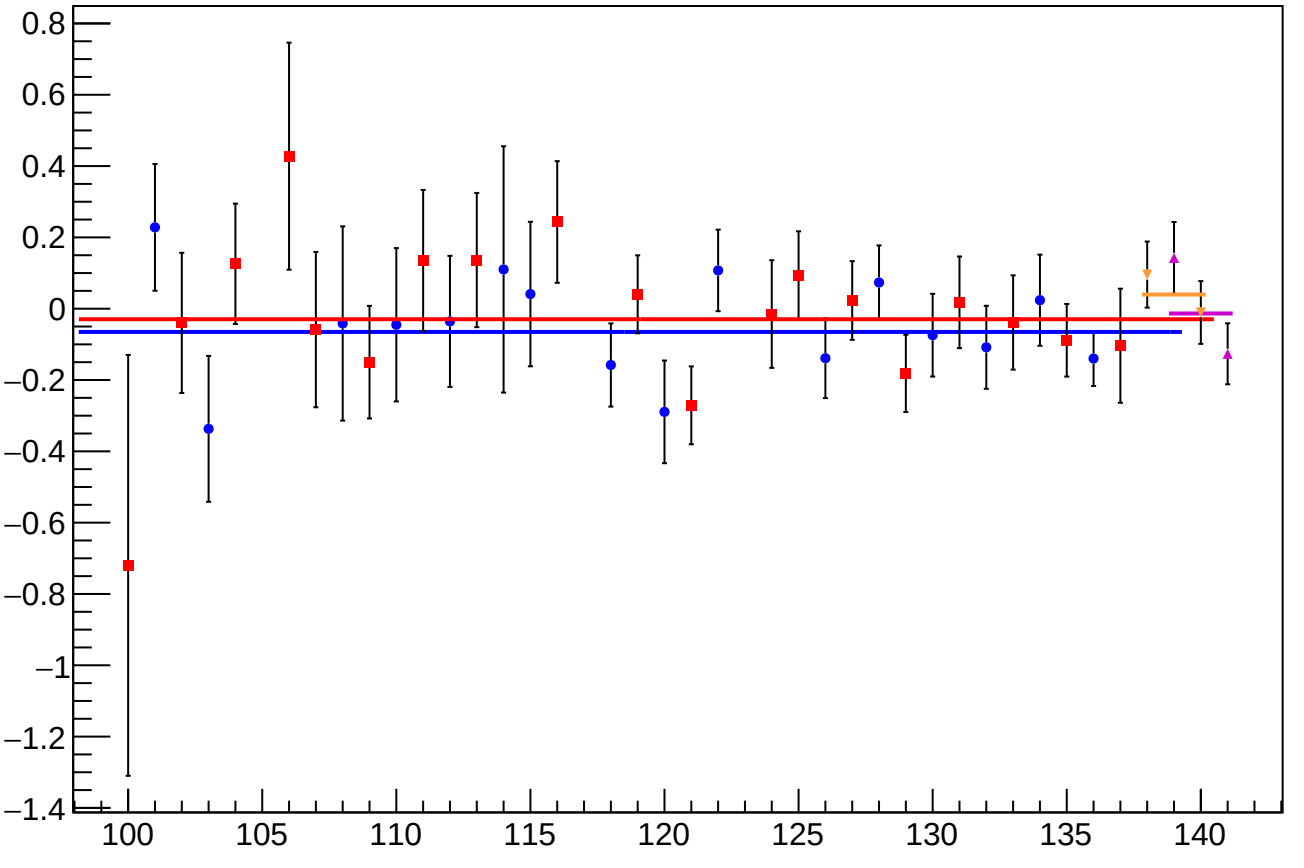
Left: 0.005+/-0.000 χ^2/NDF: 270061.0/3

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

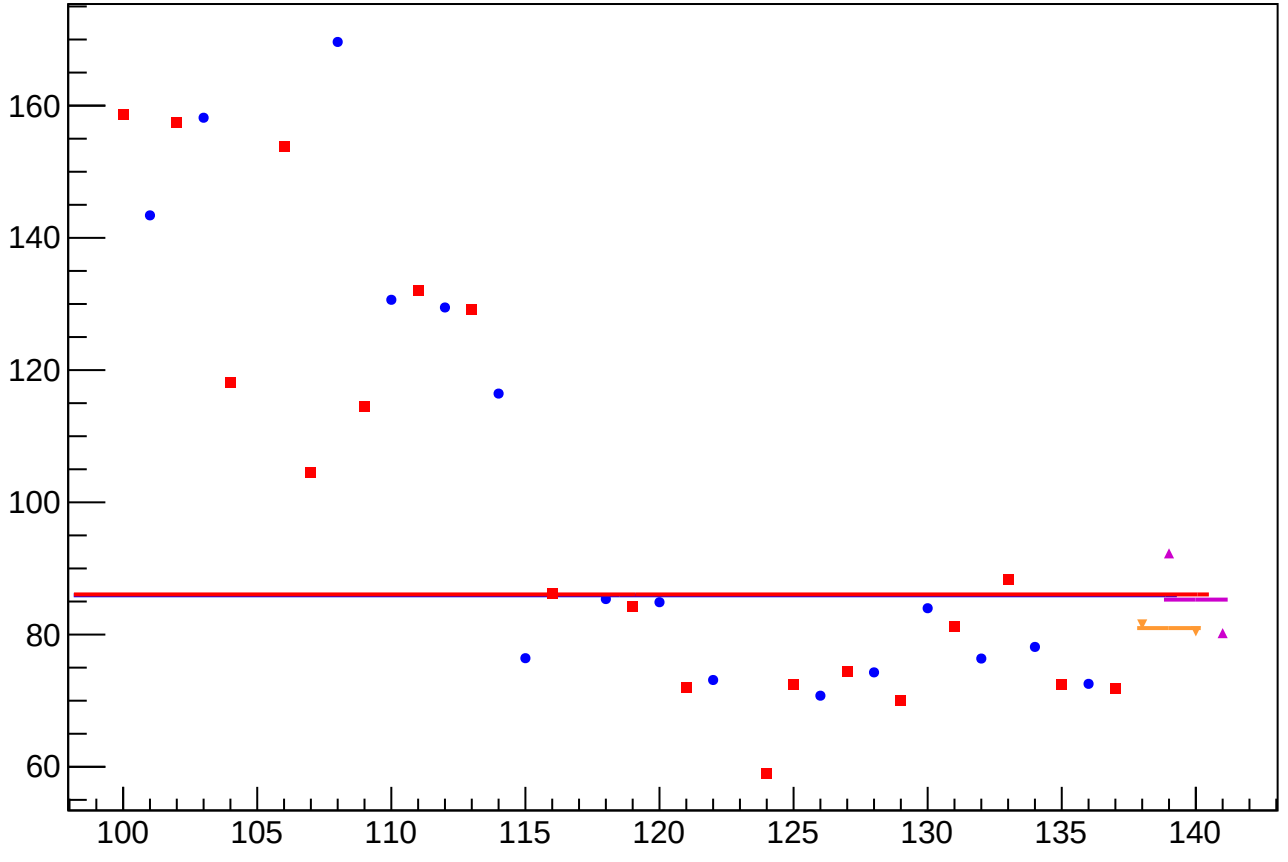
In: 0.004+/-0.000 χ^2/NDF:5031549.7/17

Out: 0.003+/-0.000 χ^2/NDF:6091976.1/20

All: 0.004+/-0.000 χ^2/NDF: 11419455.1/38


asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
105
110
115
120
125
130
135
140
Right In: -0.065+/-0.033 χ²/NDF: 14.2/15
Left Out: 0.040+/-0.064 χ²/NDF:0.7/1
Right Out: -0.030+/-0.033 χ²/NDF: 18.1/18
Left In: -0.013+/-0.065 χ²/NDF:4.2/1
Left: 0.014+/-0.046 χ²/NDF: 5.2/3
Right: -0.047+/-0.023 χ²/NDF: 32.8/34
In: -0.054+/-0.030 χ²/NDF:18.8/17
Out: -0.015+/-0.029 χ²/NDF:19.7/20
All: -0.034+/-0.021 χ²/NDF: 39.4/38

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.980+/-0.045 χ^2/NDF:135.9/1

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.289+/-0.046 χ^2/NDF:16724.0/1

Left: 83.091+/-0.032 χ^2/NDF: 21325.1/3

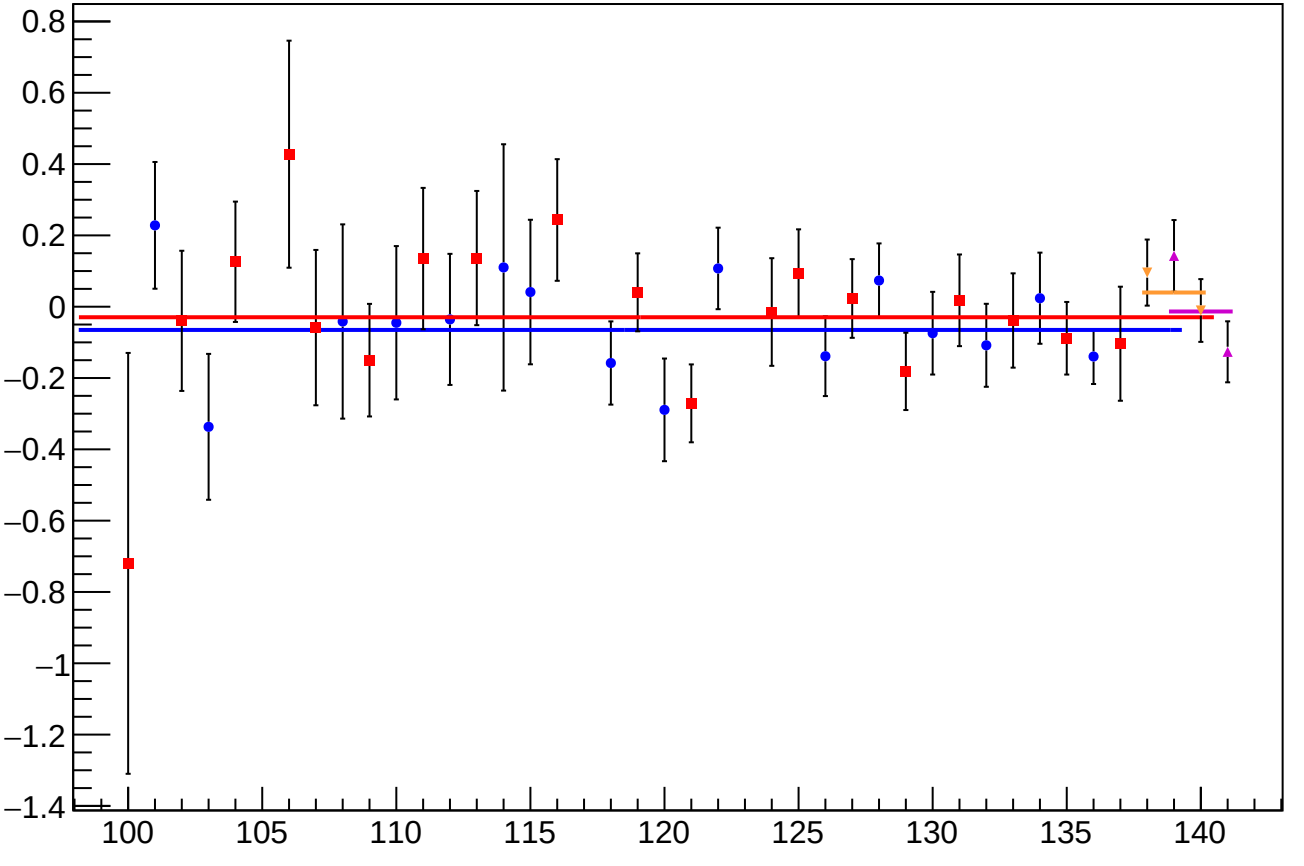
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.807+/-0.021 χ^2/NDF:1051870.4/17

Out: 84.998+/-0.021 χ^2/NDF:1001545.9/20

All: 85.398+/-0.015 χ^2/NDF: 2054169.8/38

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.040+/-0.064 χ^2/NDF:0.7/1

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.013+/-0.065 χ^2/NDF:4.2/1

Left: 0.014+/-0.046 χ^2/NDF: 5.2/3

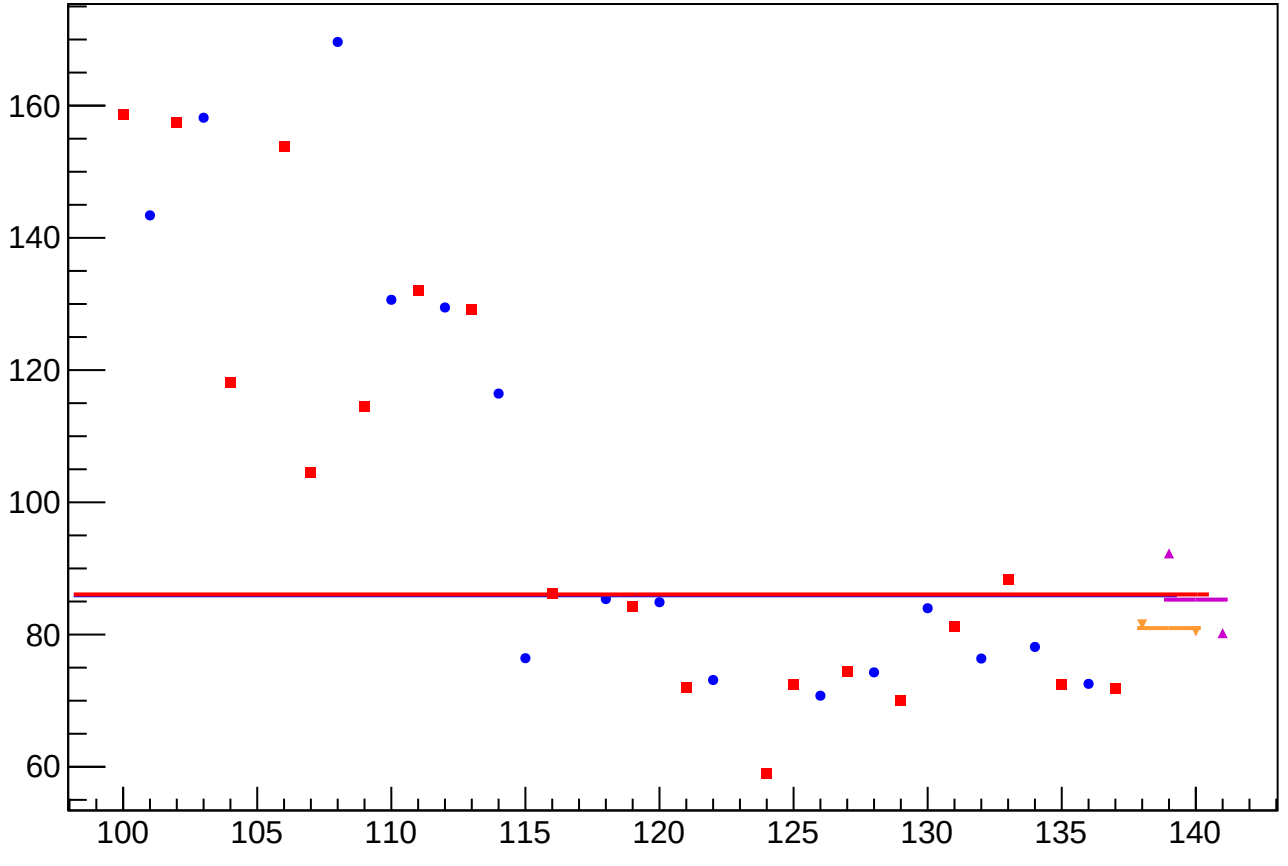
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.054+/-0.030 χ^2/NDF:18.8/17

Out: -0.015+/-0.029 χ^2/NDF:19.7/20

All: -0.034+/-0.021 χ^2/NDF: 39.4/38

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.980+/-0.045 χ^2/NDF:135.9/1

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.289+/-0.046 χ^2/NDF:16724.0/1

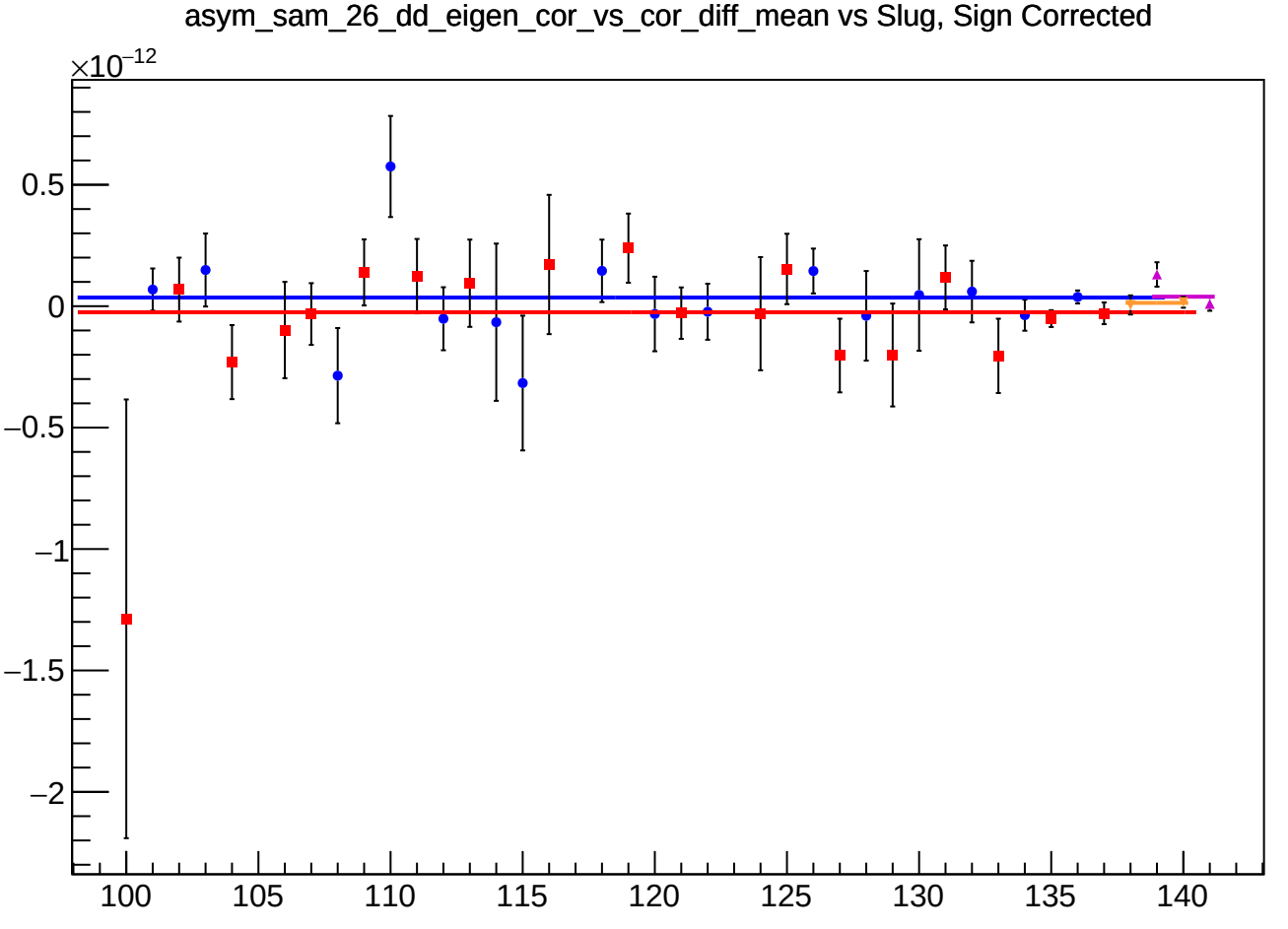
Left: 83.091+/-0.032 χ^2/NDF: 21325.1/3

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.807+/-0.021 χ^2/NDF:1051870.4/17

Out: 84.998+/-0.021 χ^2/NDF:1001545.9/20

All: 85.398+/-0.015 χ^2/NDF: 2054169.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/1

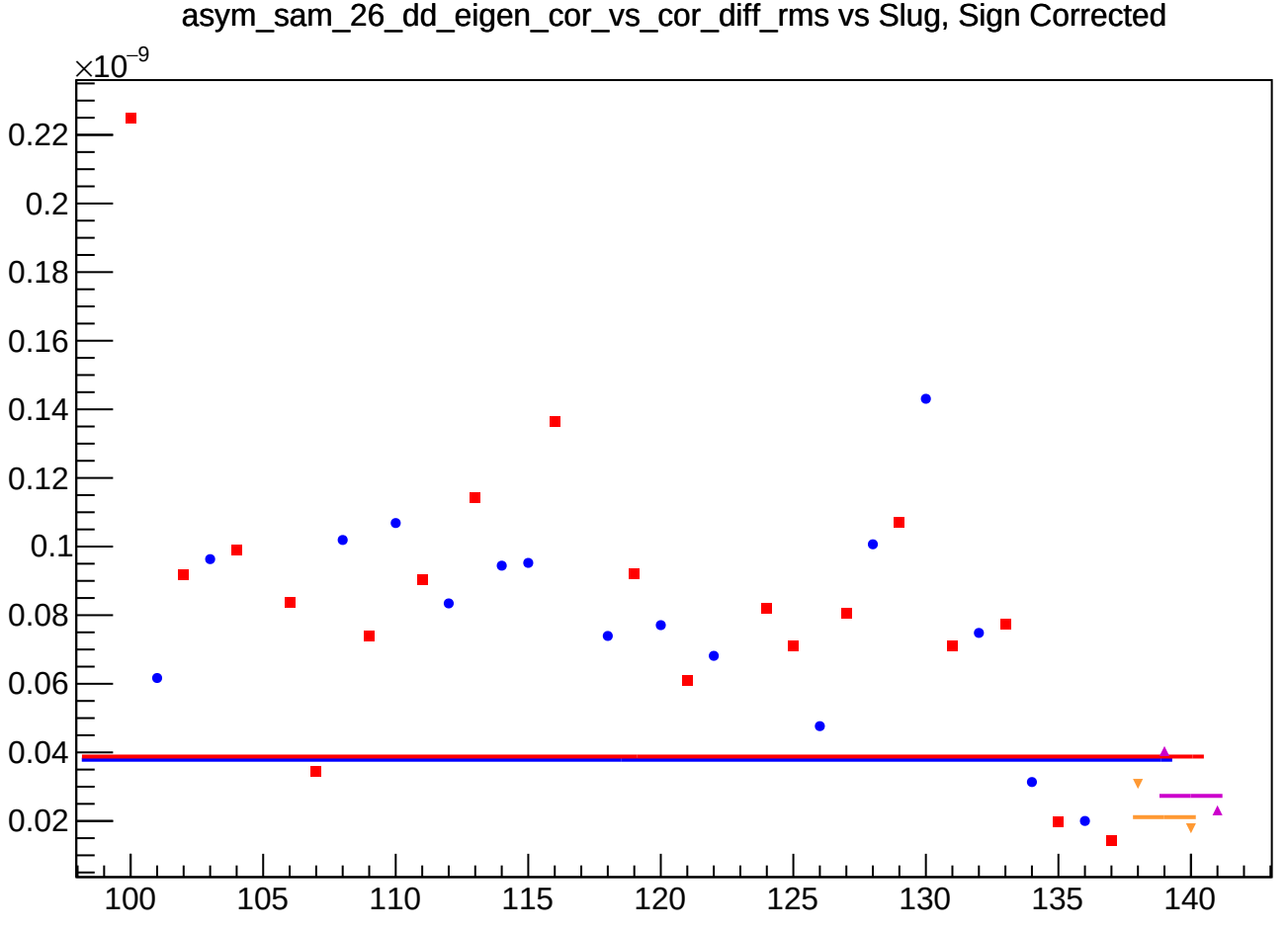
Left: 0.000+/-0.000 χ^2/NDF: 5.1/3

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:20.8/17

Out: -0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 43.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:162133.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:178533.4/1

Left: 0.000+/-0.000 χ^2/NDF: 417147.5/3

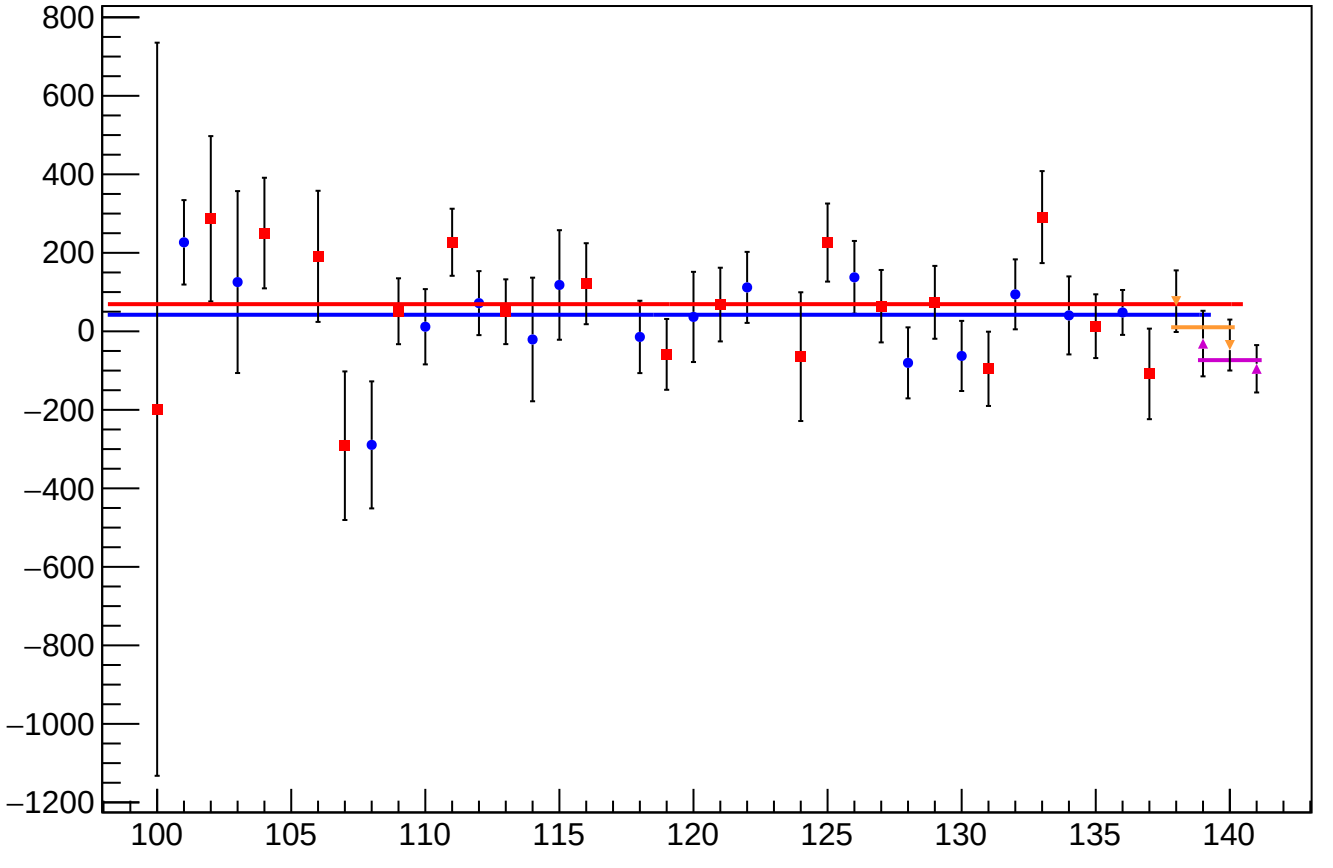
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:3848450.3/17

Out: 0.000+/-0.000 χ^2/NDF:4991341.5/20

All: 0.000+/-0.000 χ^2/NDF: 8930725.9/38

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: 10.420+/-49.999 χ^2/NDF:1.2/1

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -73.343+/-48.919 χ^2/NDF:0.4/1

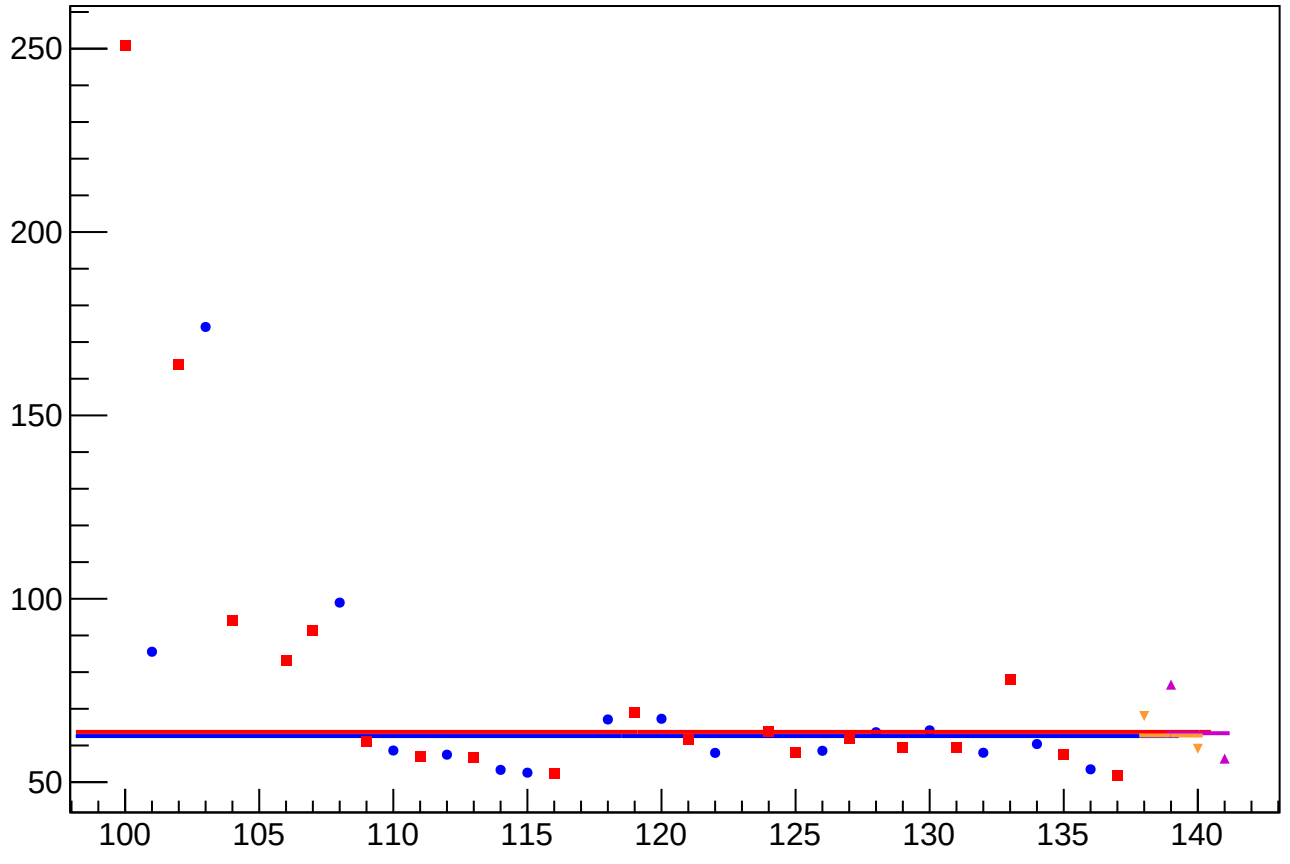
Left: -32.376+/-34.967 χ^2/NDF: 3.0/3

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: 19.489+/-21.696 χ^2/NDF:18.4/17

Out: 57.920+/-21.941 χ^2/NDF:27.7/20

All: 38.488+/-15.427 χ^2/NDF: 47.7/38



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 62.717+/-0.035 χ^2/NDF:15376.9/1

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 63.342+/-0.035 χ^2/NDF:76729.8/1

Left: 63.036+/-0.025 χ^2/NDF: 92266.8/3

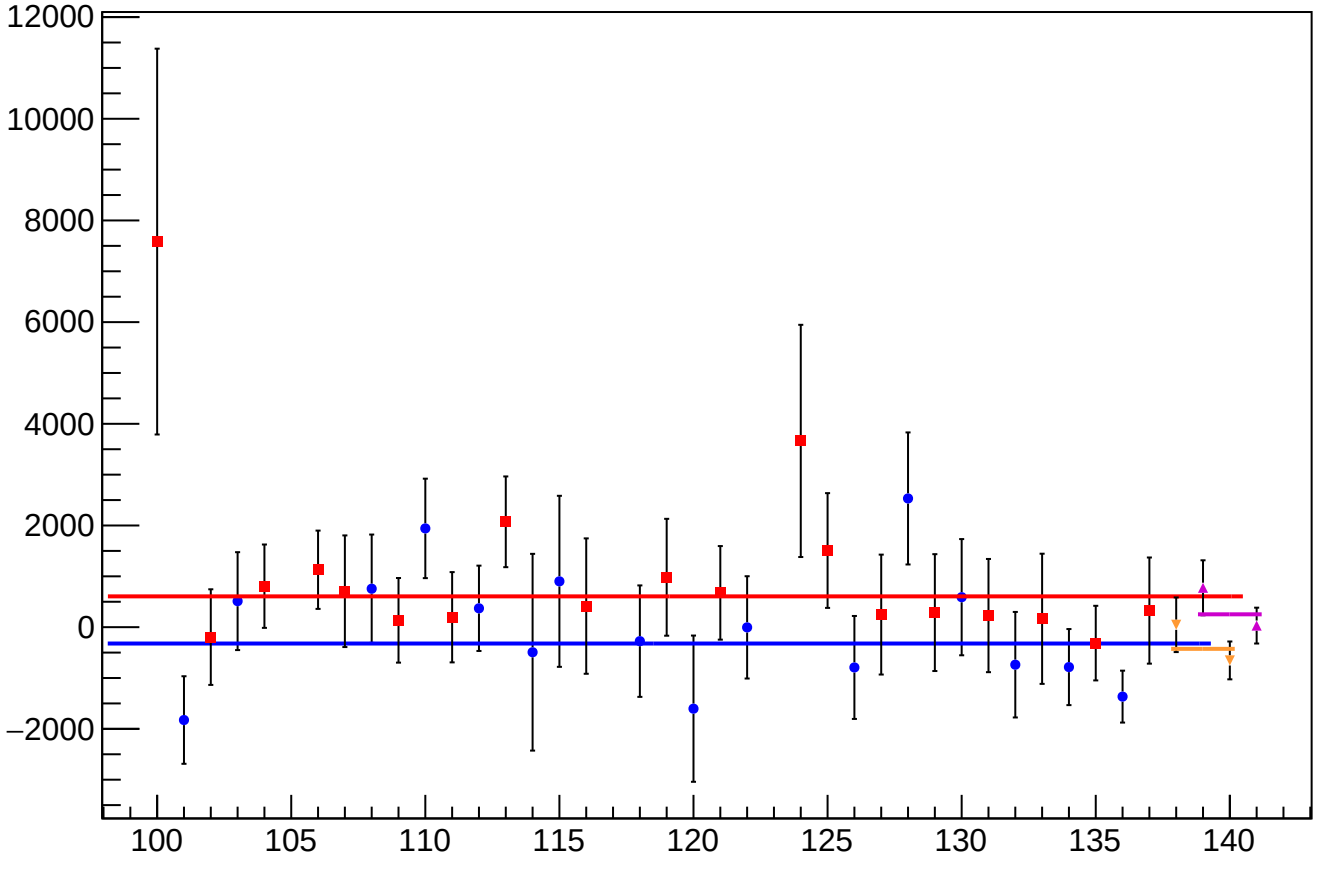
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 62.718+/-0.015 χ^2/NDF:835738.5/17

Out: 63.510+/-0.016 χ^2/NDF:850180.8/20

All: 63.110+/-0.011 χ^2/NDF: 1687235.8/38

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -426.512+/-305.968 χ^2/NDF:1.2/1

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 252.902+/-295.314 χ^2/NDF:1.3/1

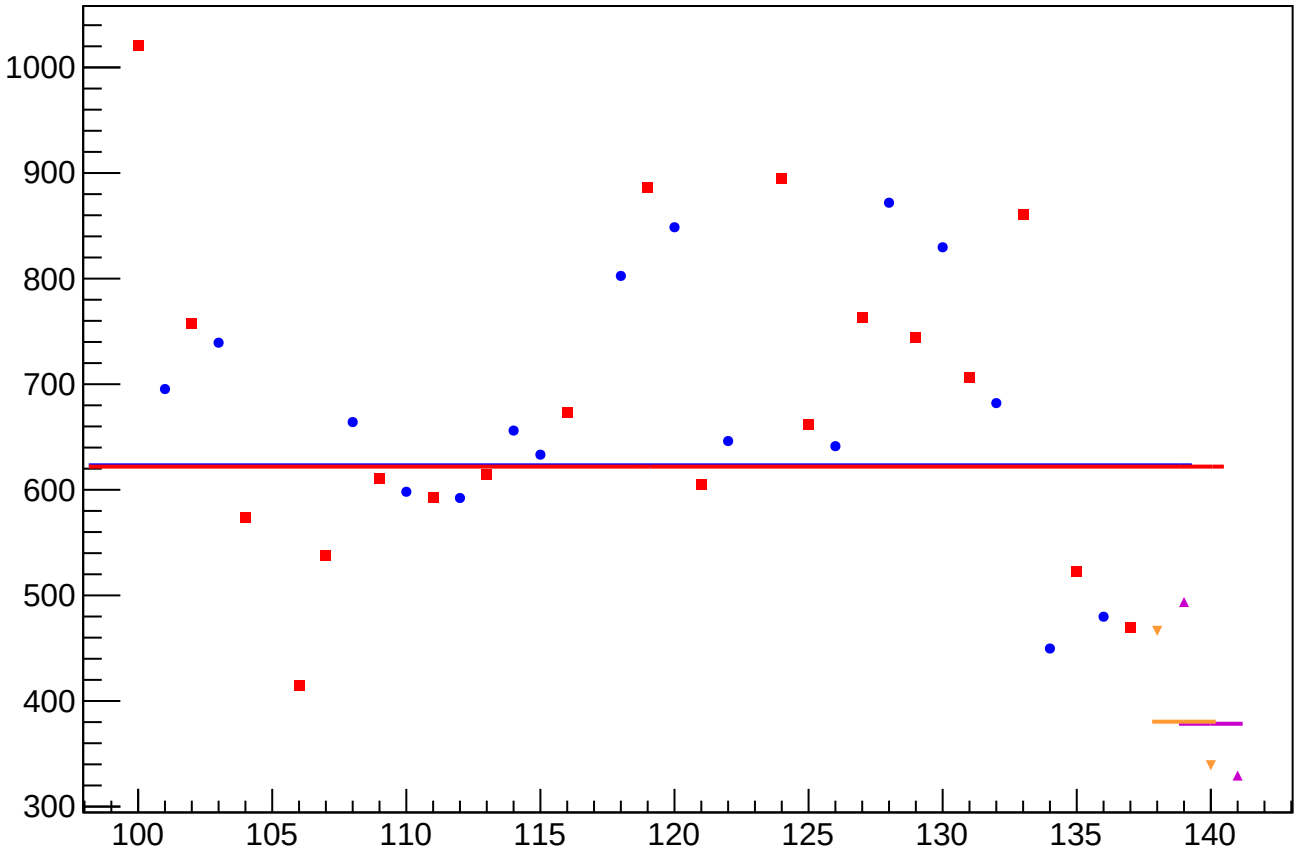
Left: -74.770+/-212.485 χ^2/NDF: 5.0/3

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -94.867+/-185.538 χ^2/NDF:26.3/17

Out: 225.603+/-185.694 χ^2/NDF:20.8/20

All: 65.233+/-131.250 χ^2/NDF: 48.6/38



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 380.409+/-0.216 χ^2/NDF:75863.7/1

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 378.441+/-0.209 χ^2/NDF:129658.8/1

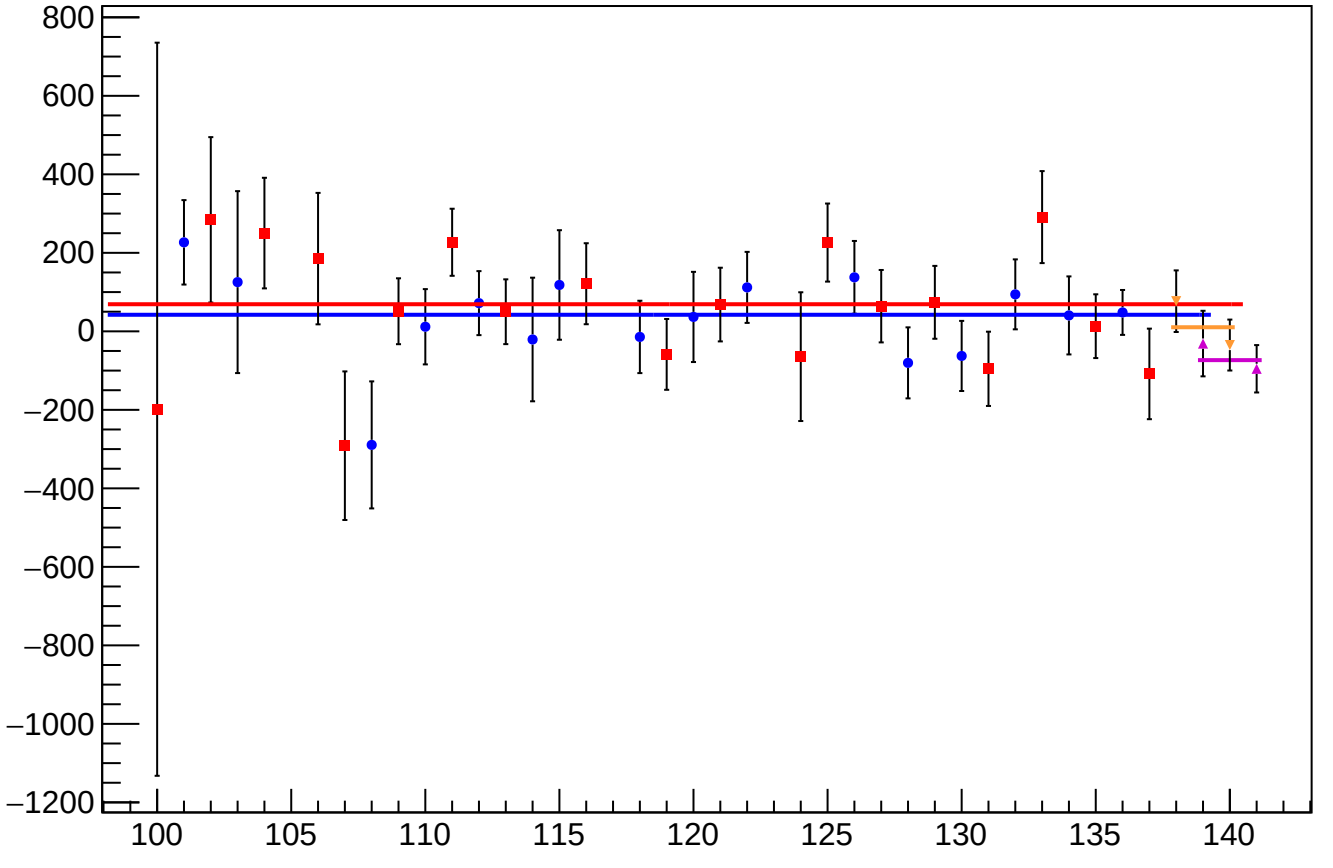
Left: 379.390+/-0.150 χ^2/NDF: 205565.3/3

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 526.576+/-0.131 χ^2/NDF:1526607.7/17

Out: 532.998+/-0.131 χ^2/NDF:1445929.7/20

All: 529.784+/-0.093 χ^2/NDF: 2973734.4/38



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 10.429+/-49.999 χ^2/NDF:1.2/1

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -73.344+/-48.919 χ^2/NDF:0.4/1

Left: -32.372+/-34.967 χ^2/NDF: 3.0/3

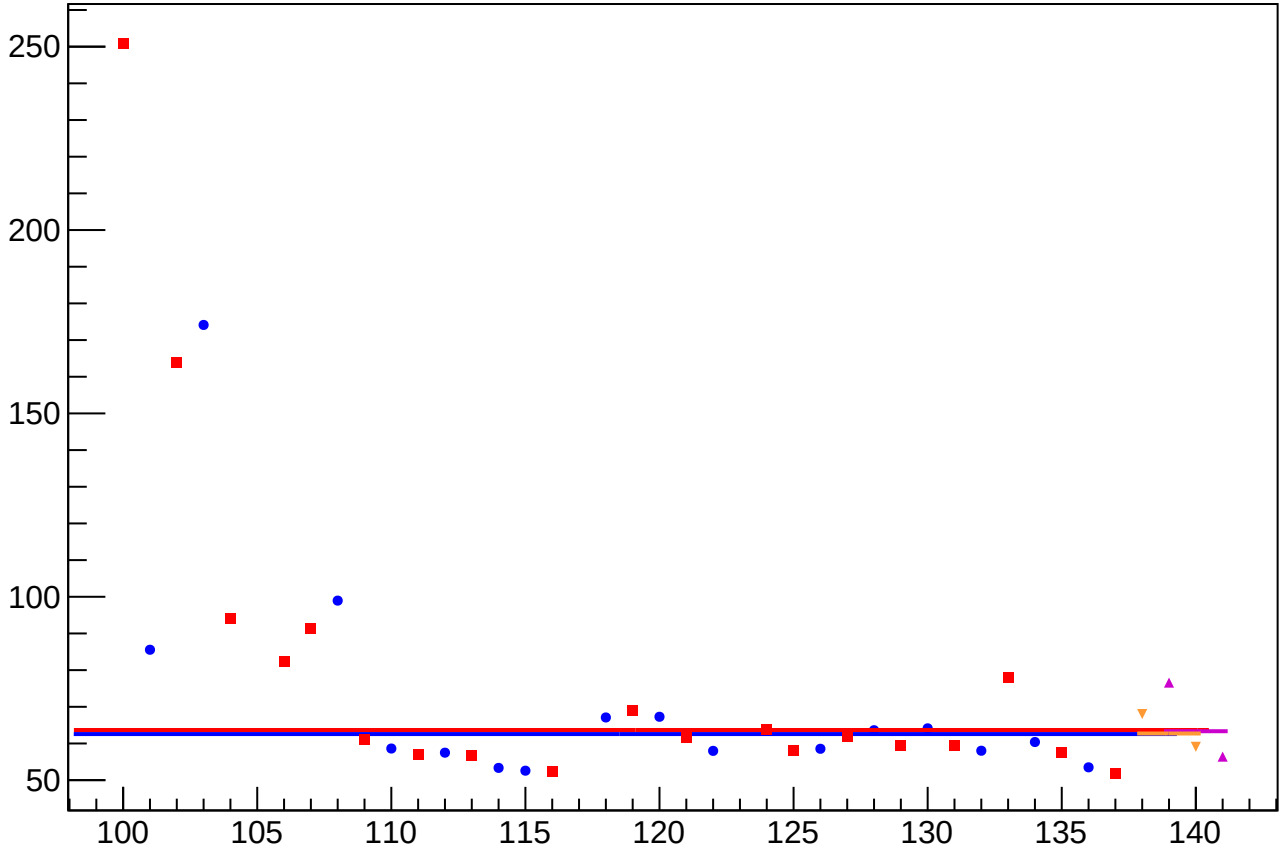
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: 19.484+/-21.696 χ^2/NDF:18.4/17

Out: 57.775+/-21.943 χ^2/NDF:27.6/20

All: 38.413+/-15.428 χ^2/NDF: 47.6/38

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 62.717+/-0.035 χ^2/NDF:15376.9/1

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 63.342+/-0.035 χ^2/NDF:76729.8/1

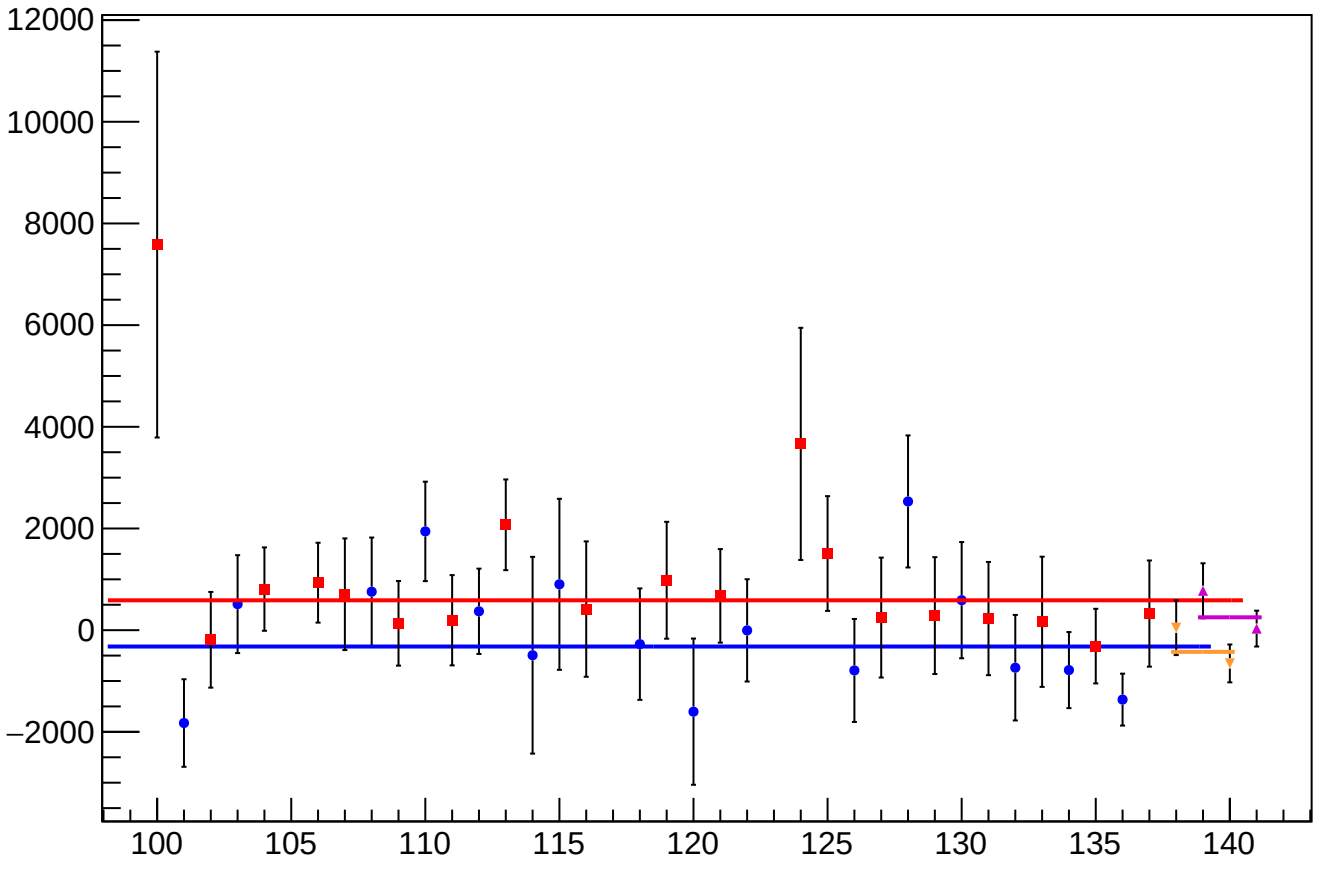
Left: 63.036+/-0.025 χ^2/NDF: 92266.8/3

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 62.718+/-0.015 χ^2/NDF:835740.7/17

Out: 63.491+/-0.016 χ^2/NDF:847402.8/20

All: 63.100+/-0.011 χ^2/NDF: 1684395.8/38



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -426.498+/-305.968 χ^2/NDF:1.2/1

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 252.908+/-295.315 χ^2/NDF:1.3/1

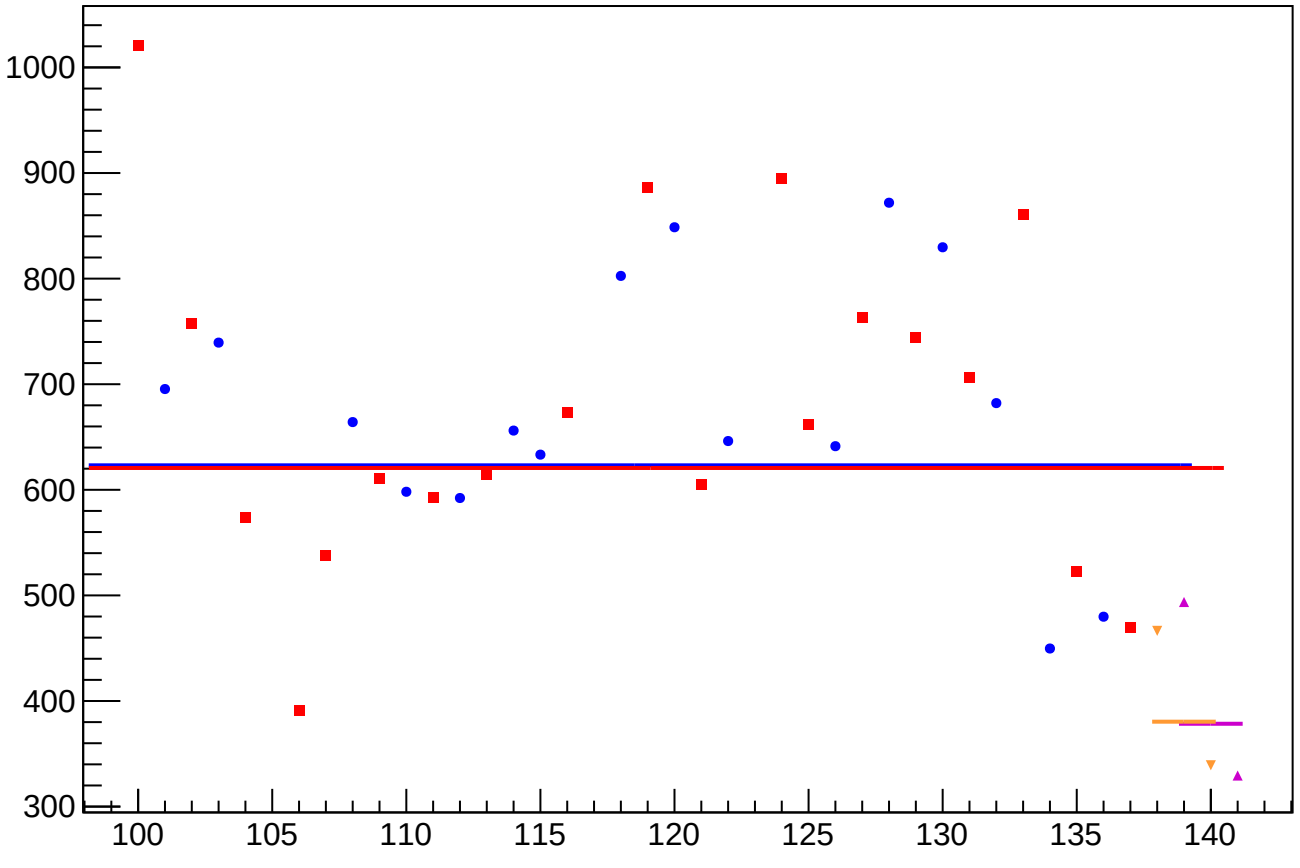
Left: -74.761+/-212.486 χ^2/NDF: 5.0/3

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -94.862+/-185.539 χ^2/NDF:26.3/17

Out: 212.955+/-185.913 χ^2/NDF:20.3/20

All: 58.737+/-131.328 χ^2/NDF: 48.0/38



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 380.409+/-0.216 χ^2/NDF:75864.5/1

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 378.442+/-0.209 χ^2/NDF:129656.7/1

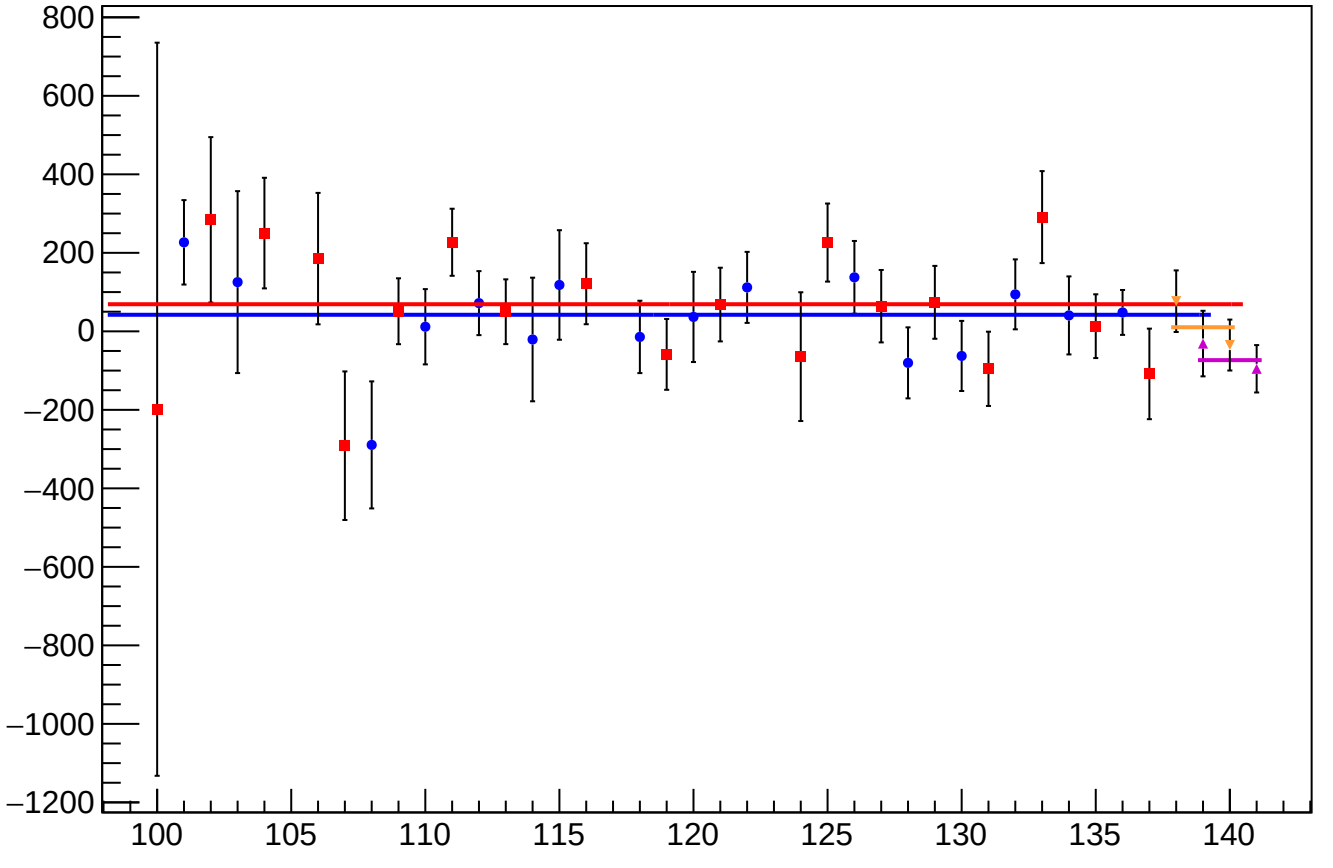
Left: 379.390+/-0.150 χ^2/NDF: 205564.0/3

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 526.577+/-0.131 χ^2/NDF:1526649.3/17

Out: 531.967+/-0.131 χ^2/NDF:1464325.8/20

All: 529.266+/-0.093 χ^2/NDF: 2991817.1/38



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 10.429+/-49.999 χ^2/NDF:1.2/1

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -73.344+/-48.919 χ^2/NDF:0.4/1

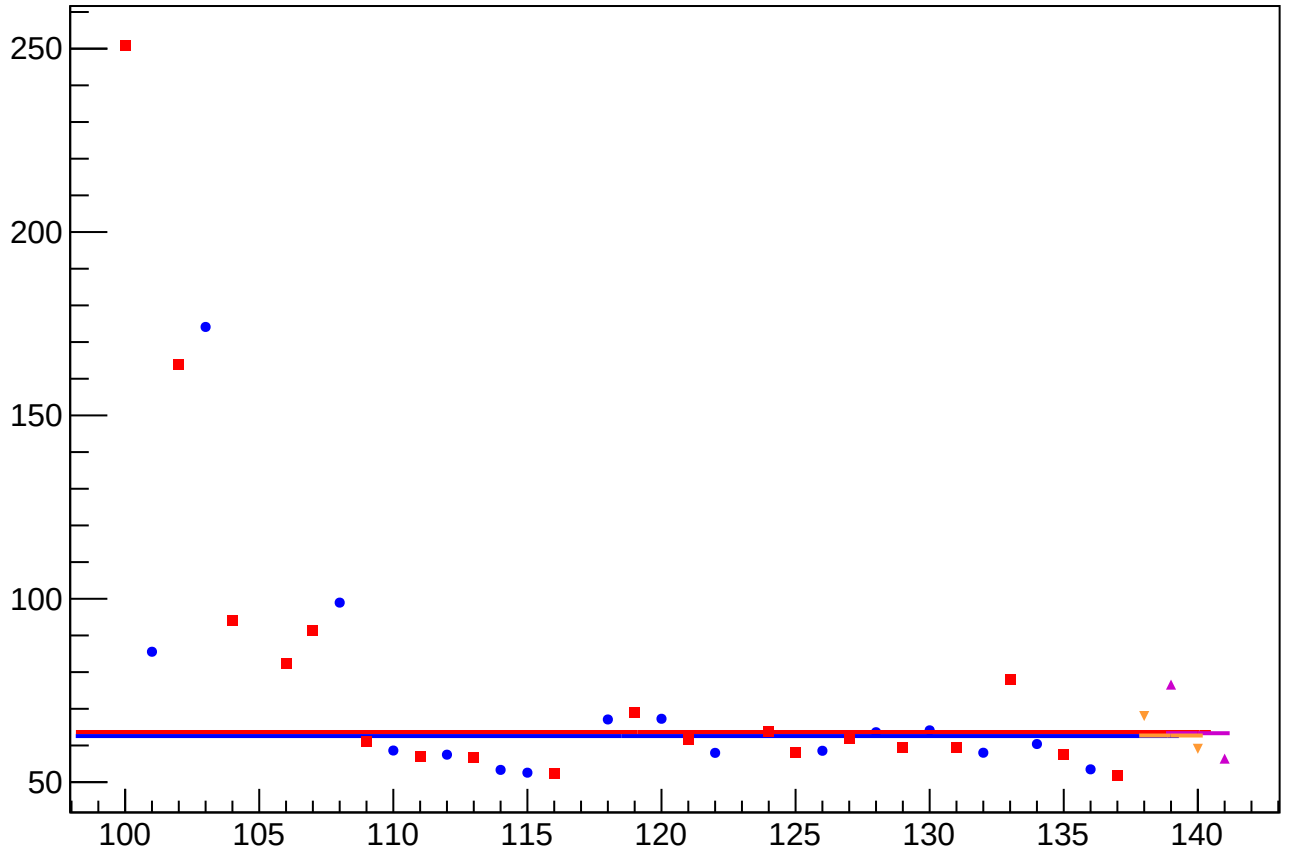
Left: -32.372+/-34.967 χ^2/NDF: 3.0/3

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: 19.484+/-21.696 χ^2/NDF:18.4/17

Out: 57.775+/-21.943 χ^2/NDF:27.6/20

All: 38.413+/-15.428 χ^2/NDF: 47.6/38



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 62.717+/-0.035 χ^2/NDF:15376.9/1

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 63.342+/-0.035 χ^2/NDF:76729.8/1

Left: 63.036+/-0.025 χ^2/NDF: 92266.8/3

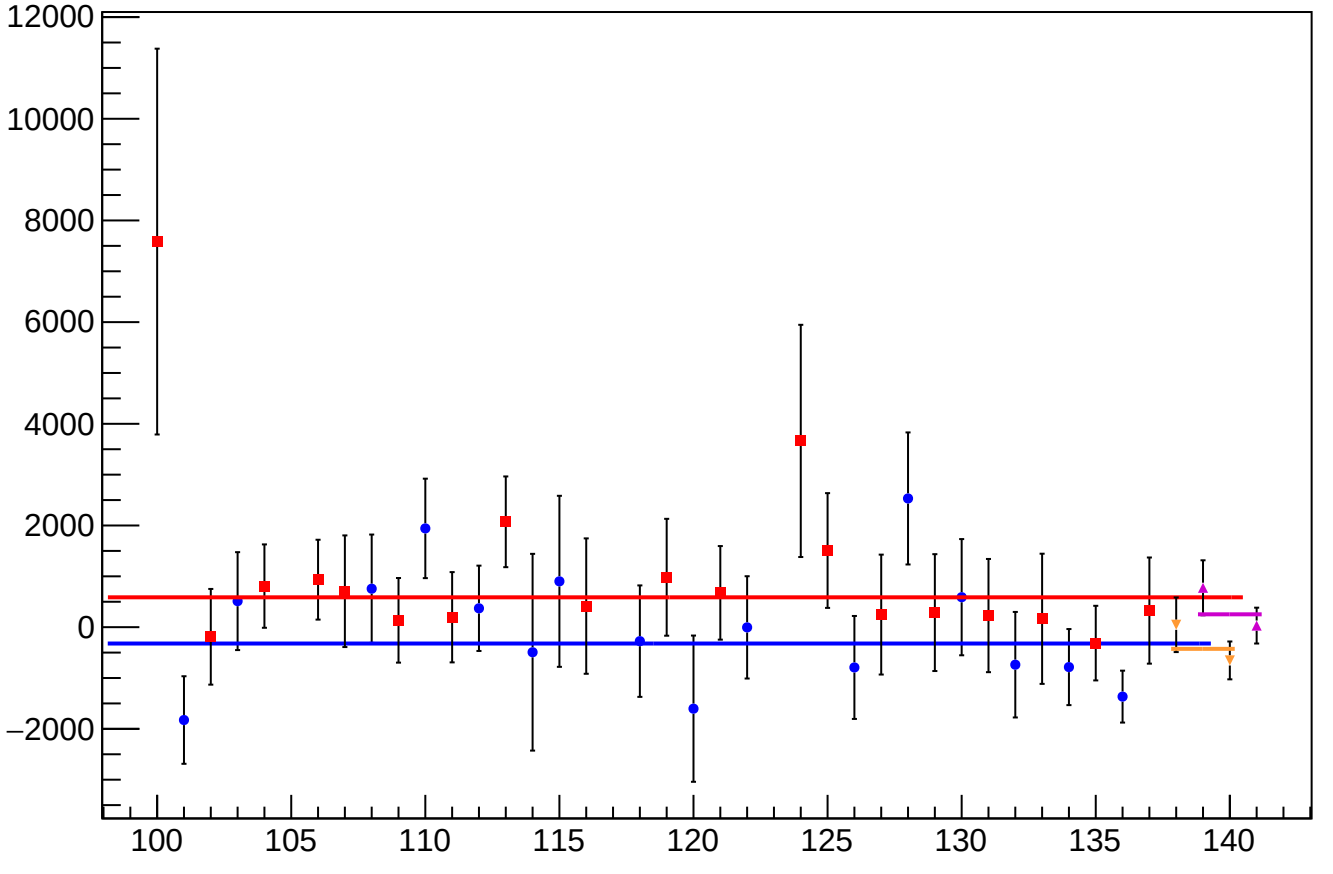
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 62.718+/-0.015 χ^2/NDF:835740.7/17

Out: 63.491+/-0.016 χ^2/NDF:847402.8/20

All: 63.100+/-0.011 χ^2/NDF: 1684395.8/38

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -426.498+/-305.968 χ^2/NDF:1.2/1

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 252.908+/-295.315 χ^2/NDF:1.3/1

Left: -74.761+/-212.486 χ^2/NDF: 5.0/3

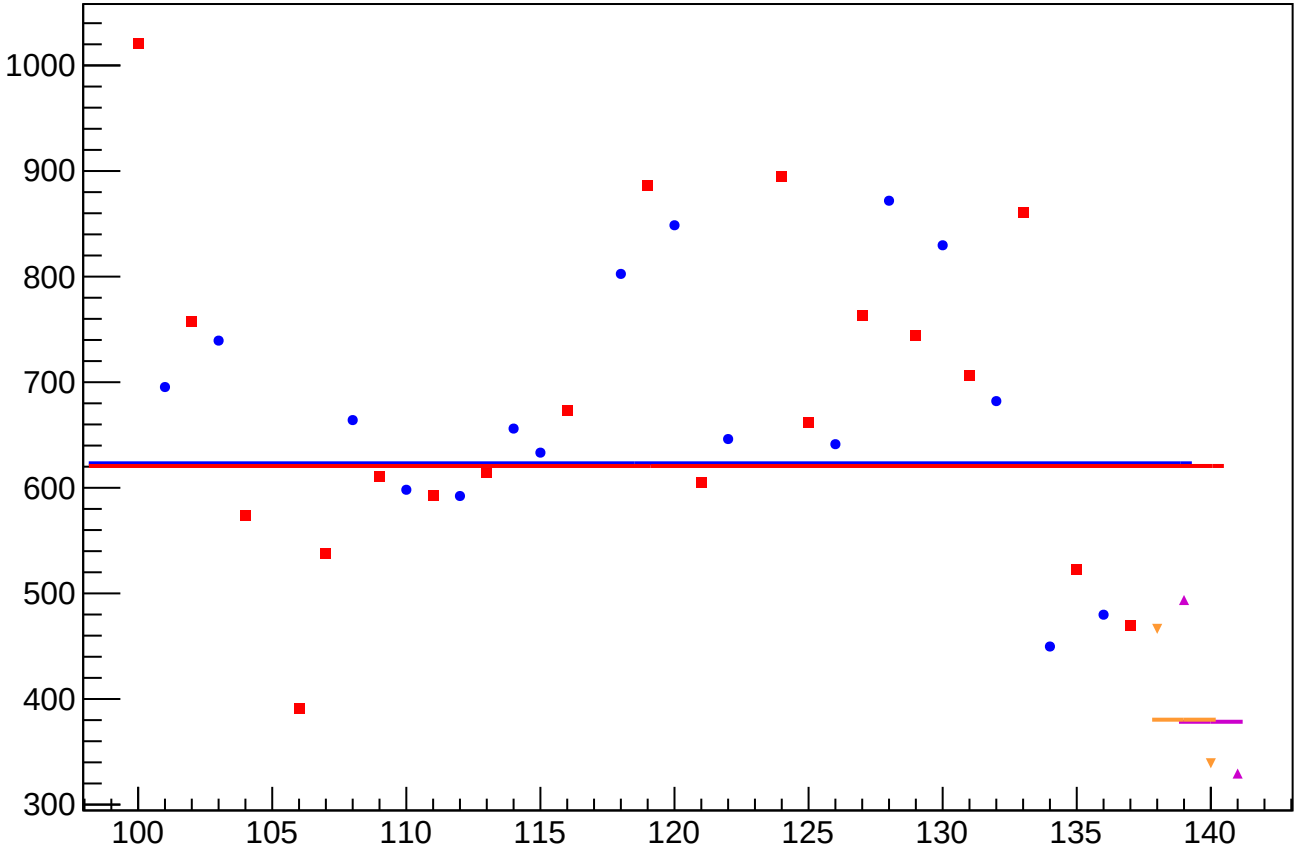
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -94.862+/-185.539 χ^2/NDF:26.3/17

Out: 212.955+/-185.913 χ^2/NDF:20.3/20

All: 58.737+/-131.328 χ^2/NDF: 48.0/38

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 380.409+/-0.216 χ^2/NDF:75864.5/1

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 378.442+/-0.209 χ^2/NDF:129656.7/1

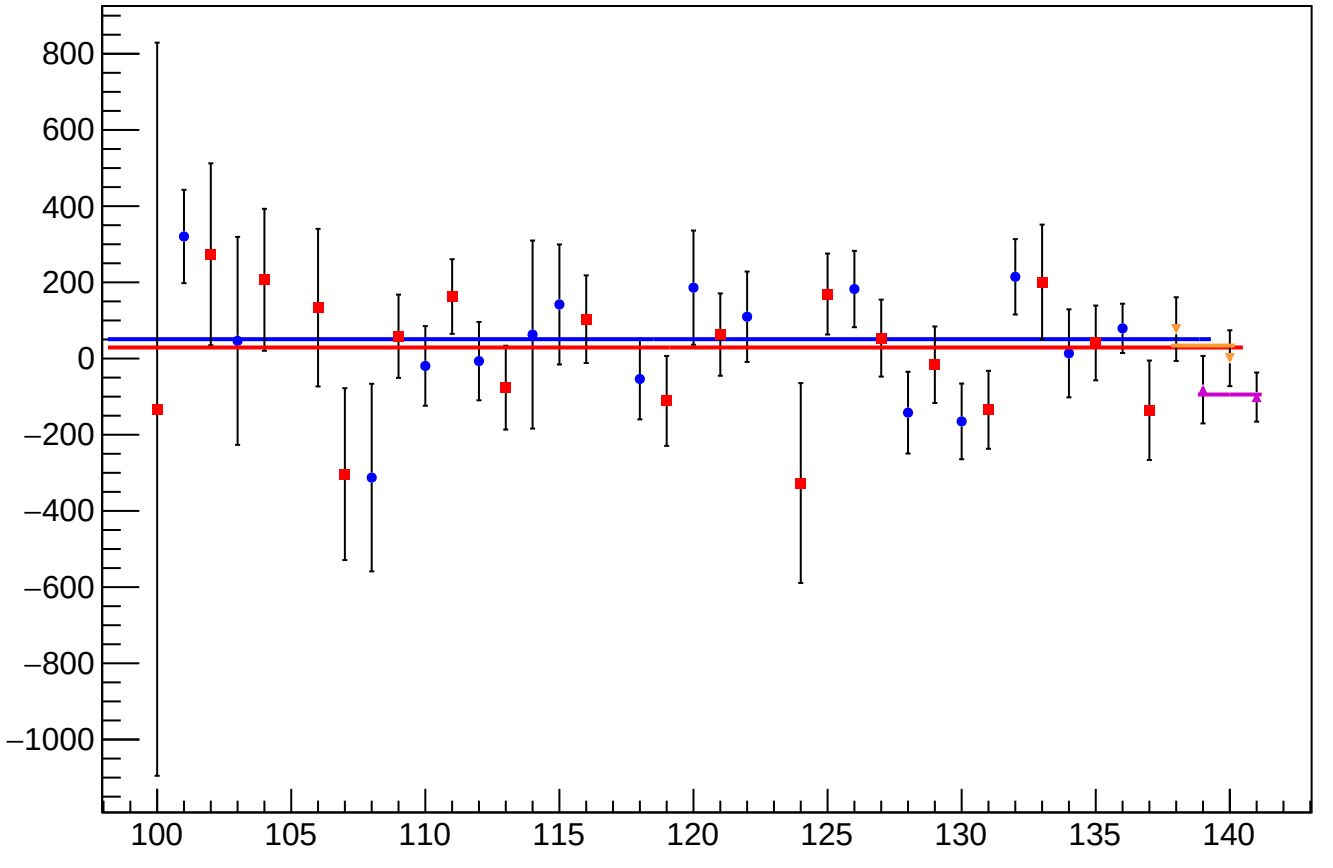
Left: 379.390+/-0.150 χ^2/NDF: 205564.0/3

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 526.577+/-0.131 χ^2/NDF:1526649.3/17

Out: 531.967+/-0.131 χ^2/NDF:1464325.8/20

All: 529.266+/-0.093 χ^2/NDF: 2991817.1/38



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 34.094+/-55.111 χ^2/NDF:0.5/1

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -94.453+/-52.130 χ^2/NDF:0.0/1

Left: -33.750+/-37.871 χ^2/NDF: 3.4/3

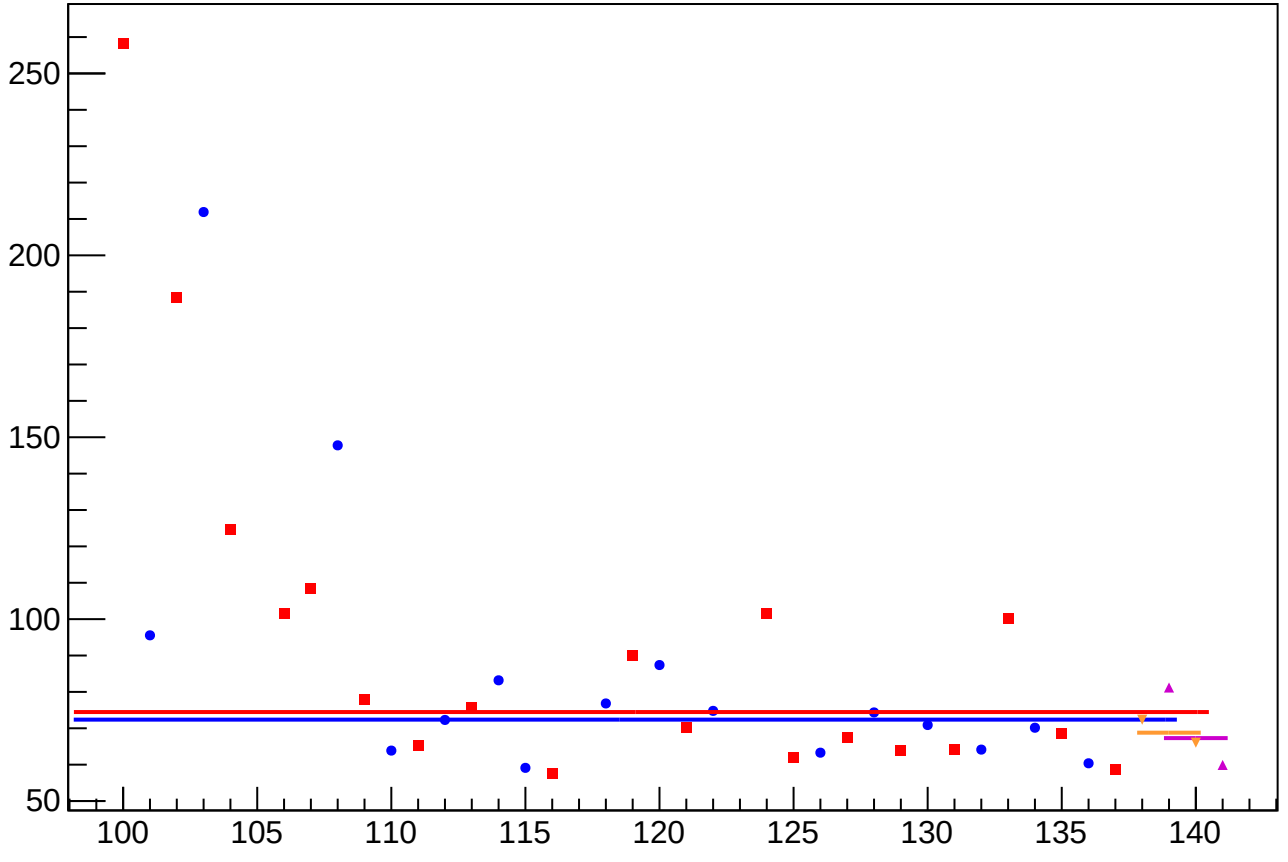
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: 17.738+/-24.882 χ^2/NDF:28.9/17

Out: 30.130+/-25.601 χ^2/NDF:19.0/20

All: 23.758+/-17.843 χ^2/NDF: 48.0/38

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 68.791+/-0.039 χ^2/NDF:6458.4/1

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 67.301+/-0.037 χ^2/NDF:75470.2/1

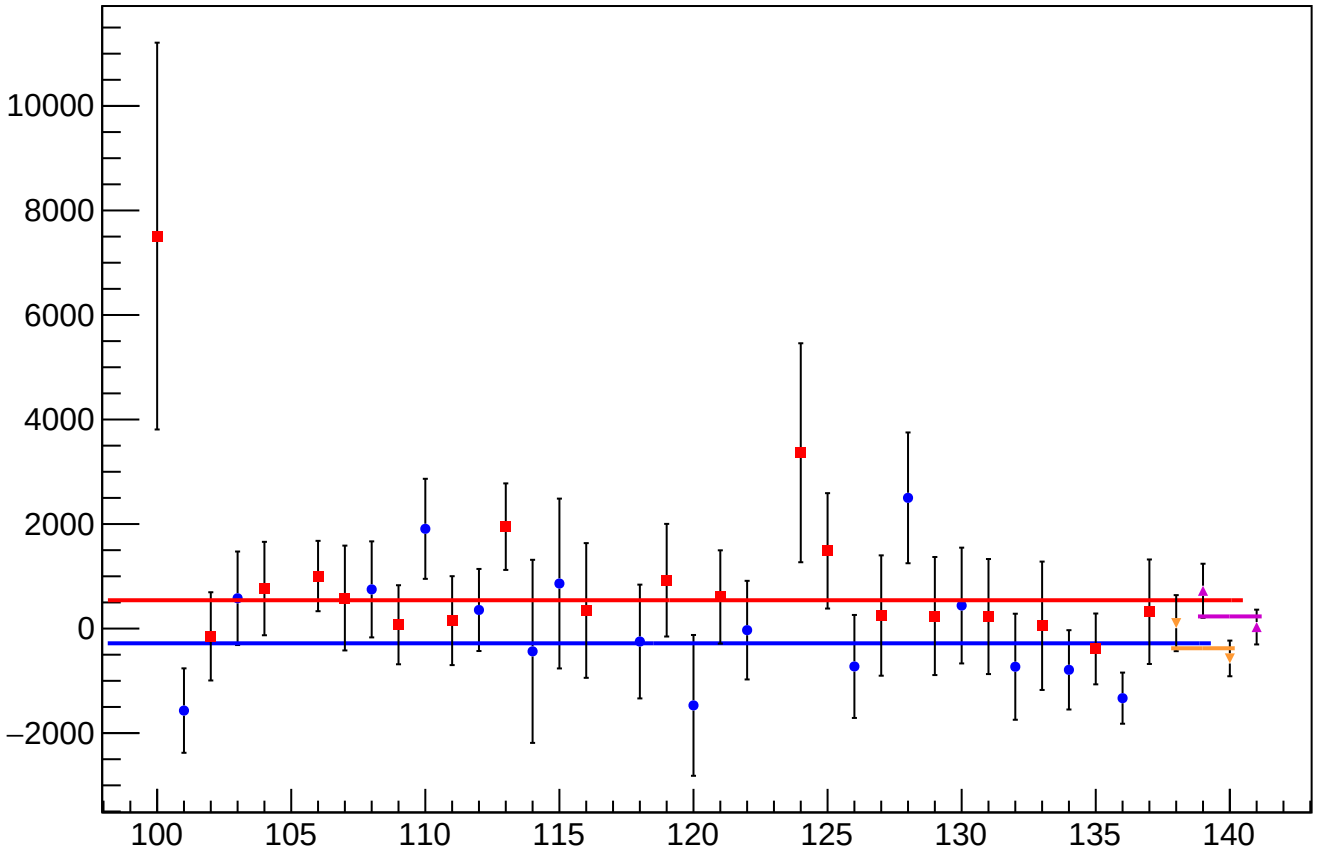
Left: 68.005+/-0.027 χ^2/NDF: 82700.7/3

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 71.221+/-0.018 χ^2/NDF:1028294.2/17

Out: 73.239+/-0.018 χ^2/NDF:1075369.9/20

All: 72.201+/-0.013 χ^2/NDF: 2110056.2/38



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -376.707+/-287.834 χ^2/NDF:1.1/1

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 232.377+/-279.831 χ^2/NDF:1.3/1

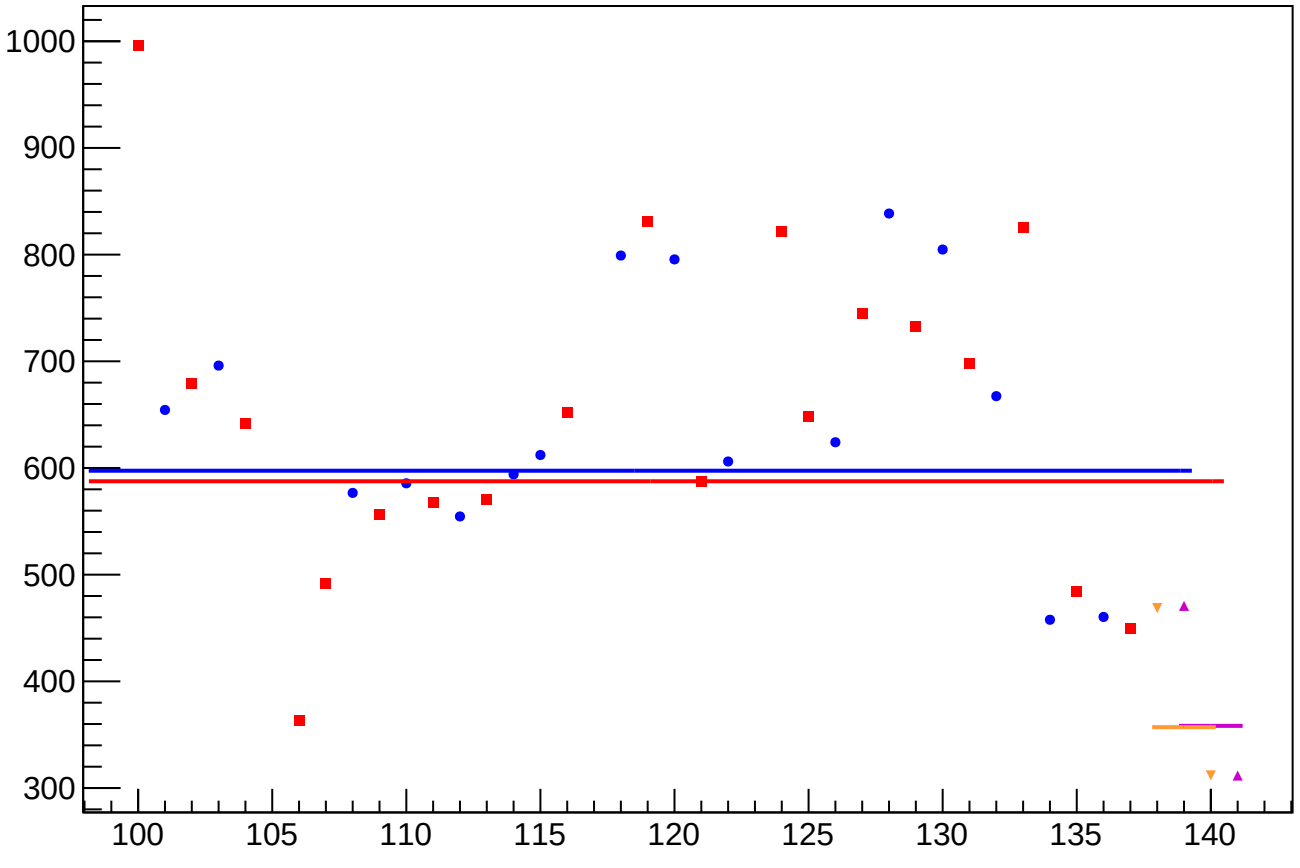
Left: -63.580+/-200.640 χ^2/NDF: 4.7/3

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -77.021+/-176.659 χ^2/NDF:26.1/17

Out: 201.473+/-175.243 χ^2/NDF:20.8/20

All: 63.346+/-124.413 χ^2/NDF: 48.2/38



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 357.062+/-0.204 χ^2/NDF:121793.5/1

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 358.287+/-0.198 χ^2/NDF:133794.6/1

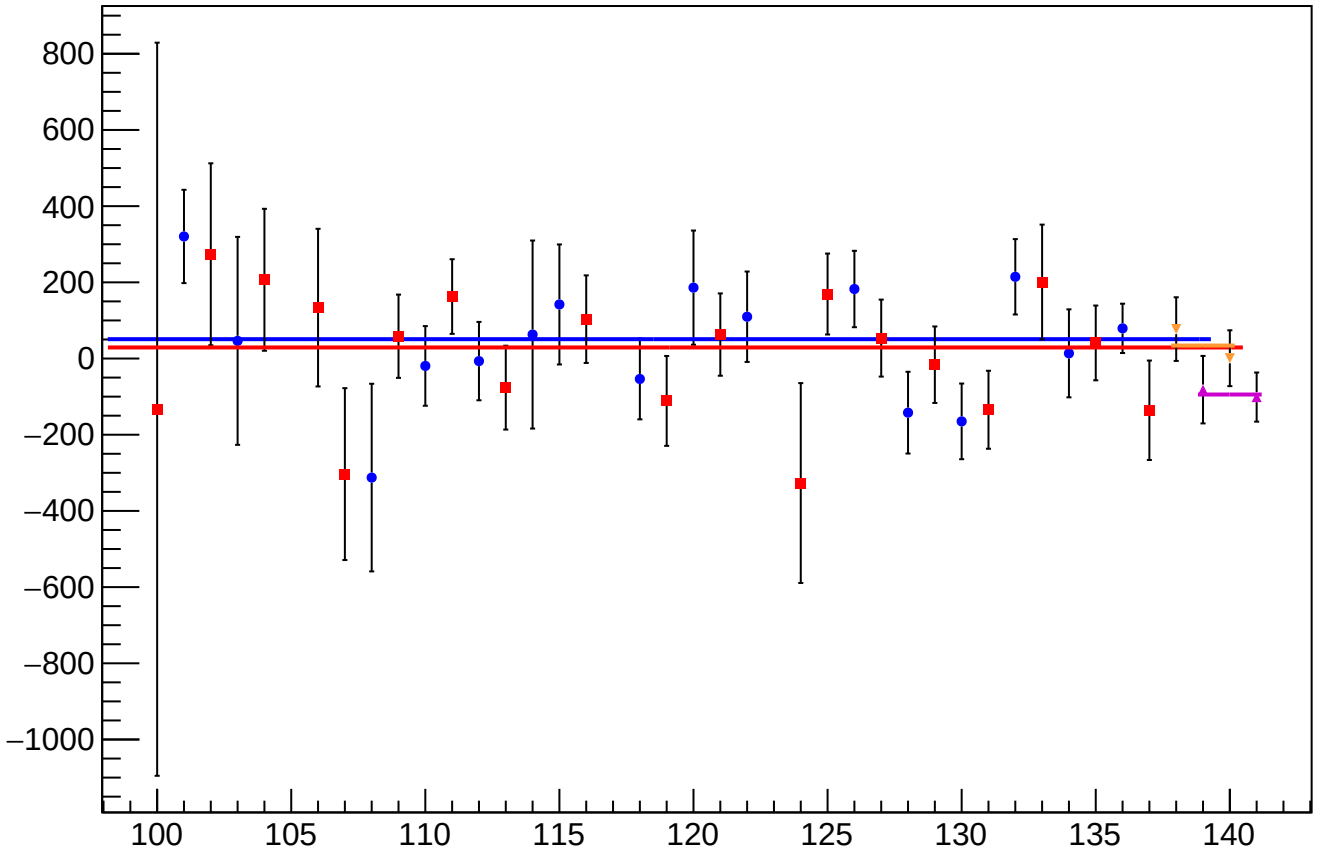
Left: 357.692+/-0.142 χ^2/NDF: 255606.6/3

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 502.126+/-0.125 χ^2/NDF:1546178.5/17

Out: 502.123+/-0.124 χ^2/NDF:1618010.8/20

All: 502.124+/-0.088 χ^2/NDF: 3164189.3/38



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 34.096+/-55.111 χ^2/NDF:0.5/1

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -94.453+/-52.130 χ^2/NDF:0.0/1

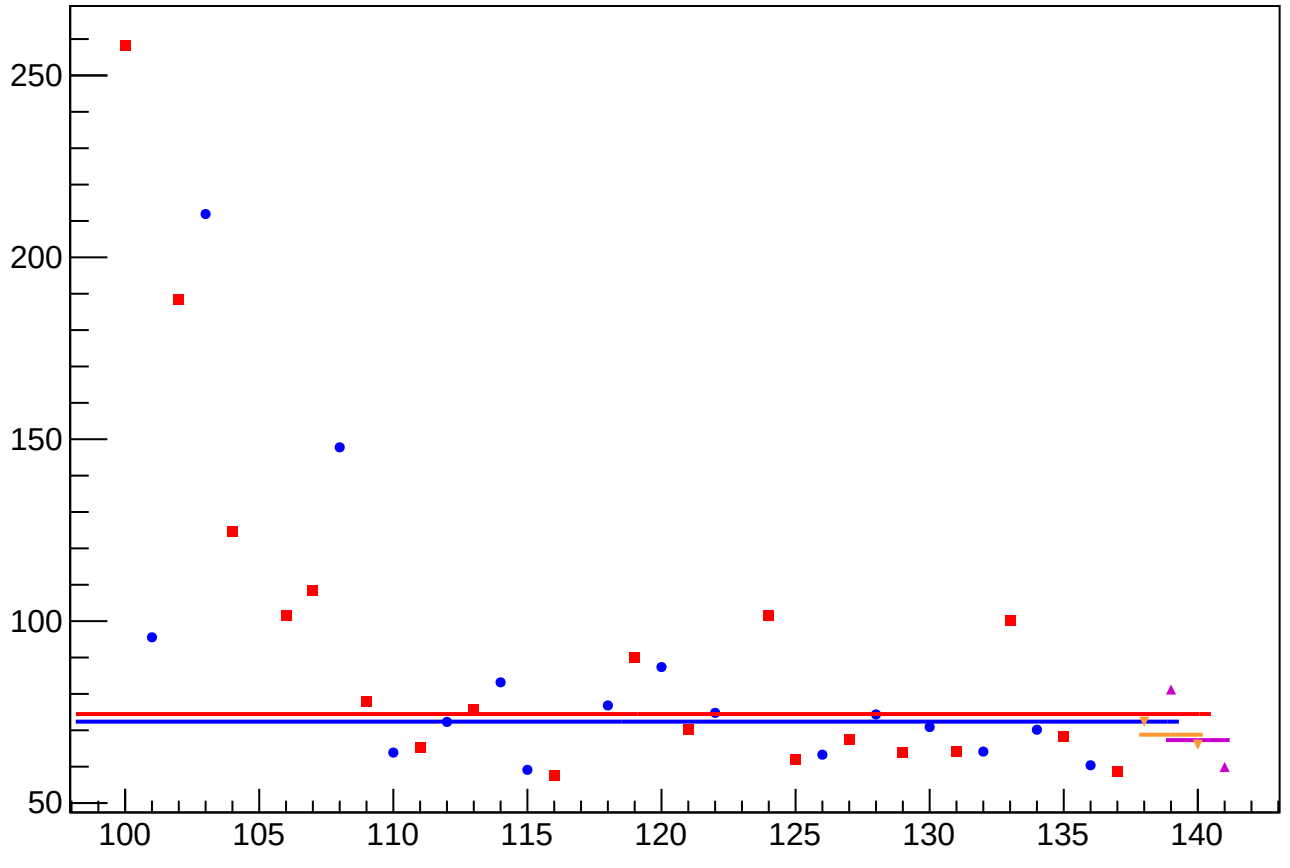
Left: -33.749+/-37.871 χ^2/NDF: 3.4/3

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: 17.738+/-24.882 χ^2/NDF:28.9/17

Out: 30.130+/-25.601 χ^2/NDF:19.0/20

All: 23.757+/-17.843 χ^2/NDF: 48.0/38



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 68.791+/-0.039 χ^2/NDF:6458.2/1

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 67.301+/-0.037 χ^2/NDF:75467.9/1

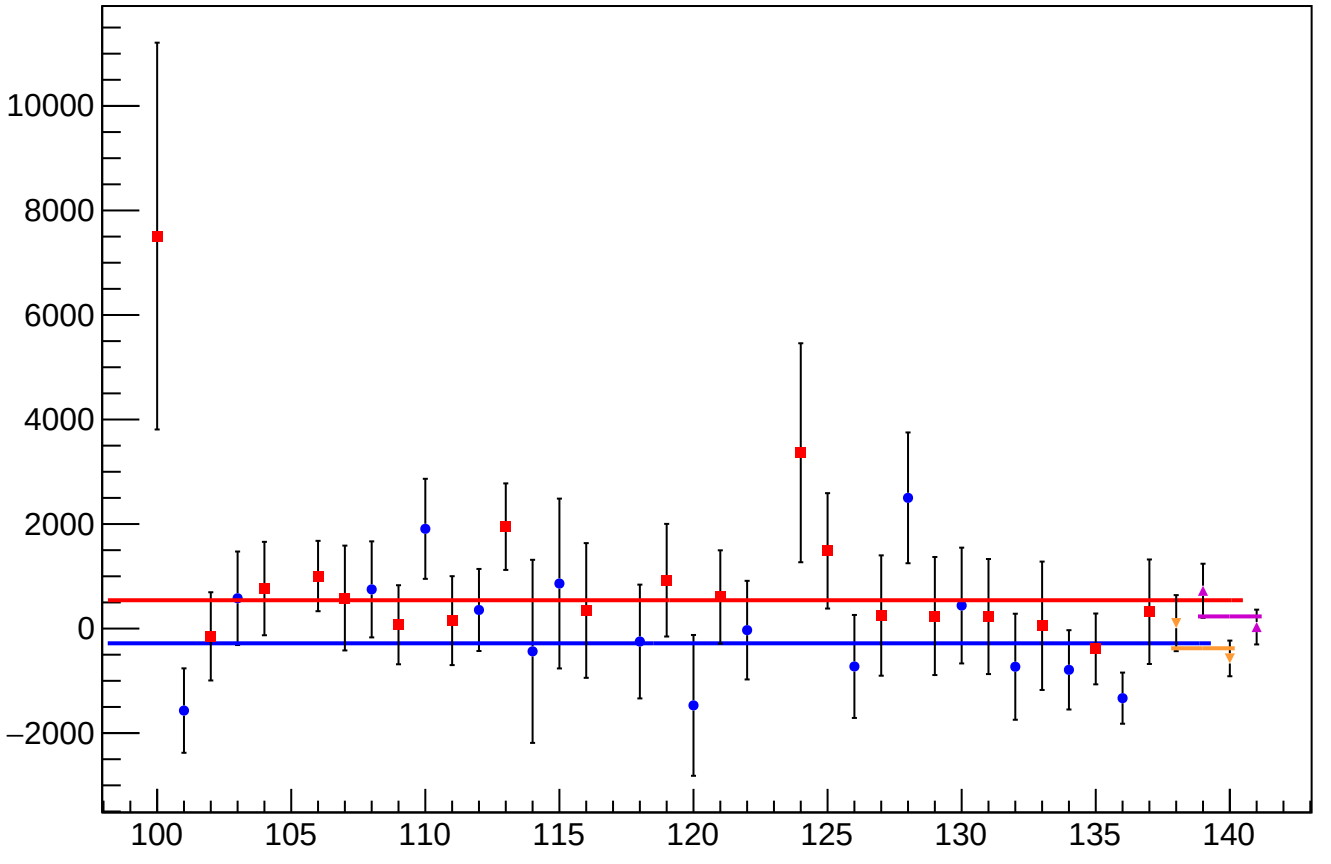
Left: 68.005+/-0.027 χ^2/NDF: 82698.3/3

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 71.221+/-0.018 χ^2/NDF:1028295.7/17

Out: 73.239+/-0.018 χ^2/NDF:1075361.8/20

All: 72.201+/-0.013 χ^2/NDF: 2110050.1/38



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -376.708+/-287.834 χ^2/NDF:1.1/1

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 232.376+/-279.831 χ^2/NDF:1.3/1

Left: -63.581+/-200.640 χ^2/NDF: 4.7/3

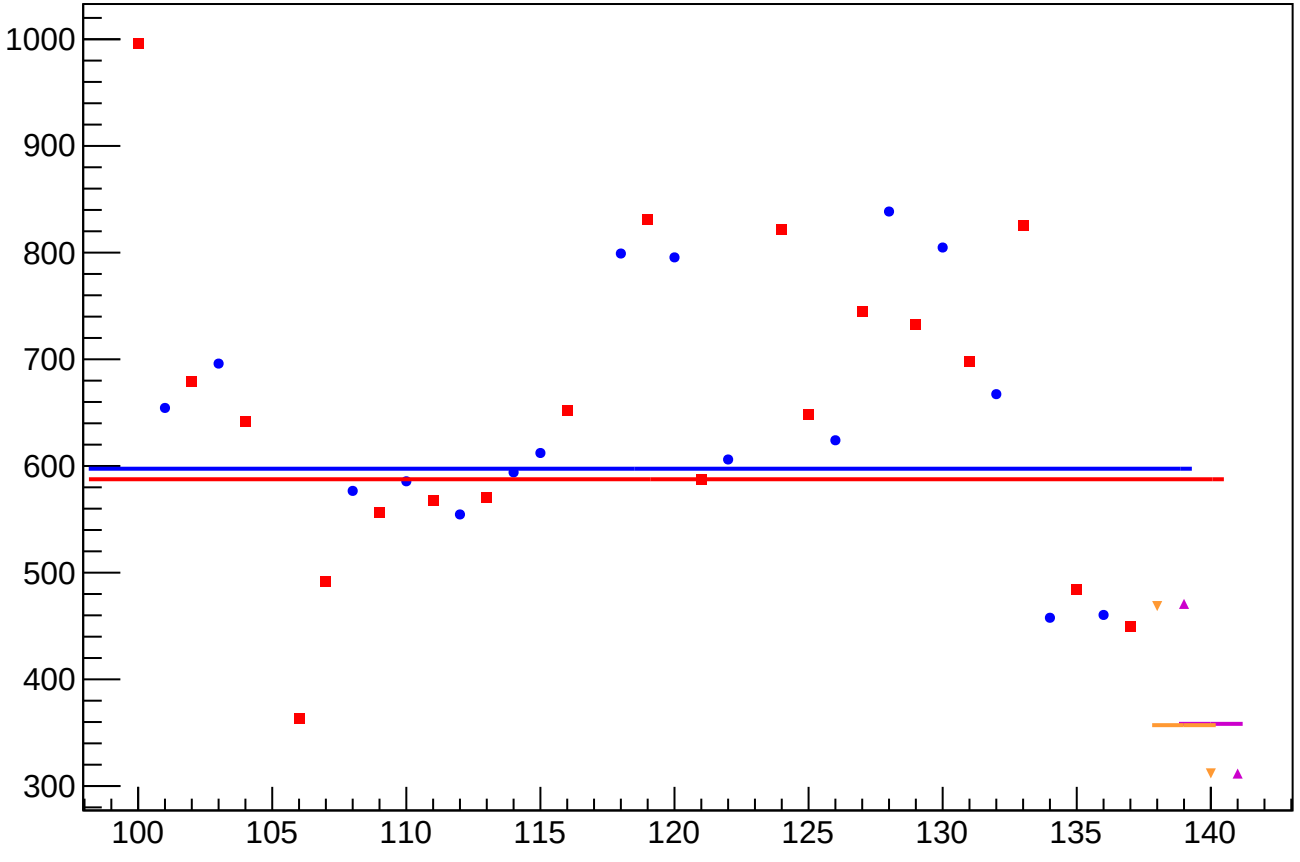
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -77.021+/-176.659 χ^2/NDF:26.1/17

Out: 201.473+/-175.243 χ^2/NDF:20.8/20

All: 63.347+/-124.413 χ^2/NDF: 48.2/38

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 357.062+/-0.204 χ^2/NDF:121796.2/1

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 358.286+/-0.198 χ^2/NDF:133796.7/1

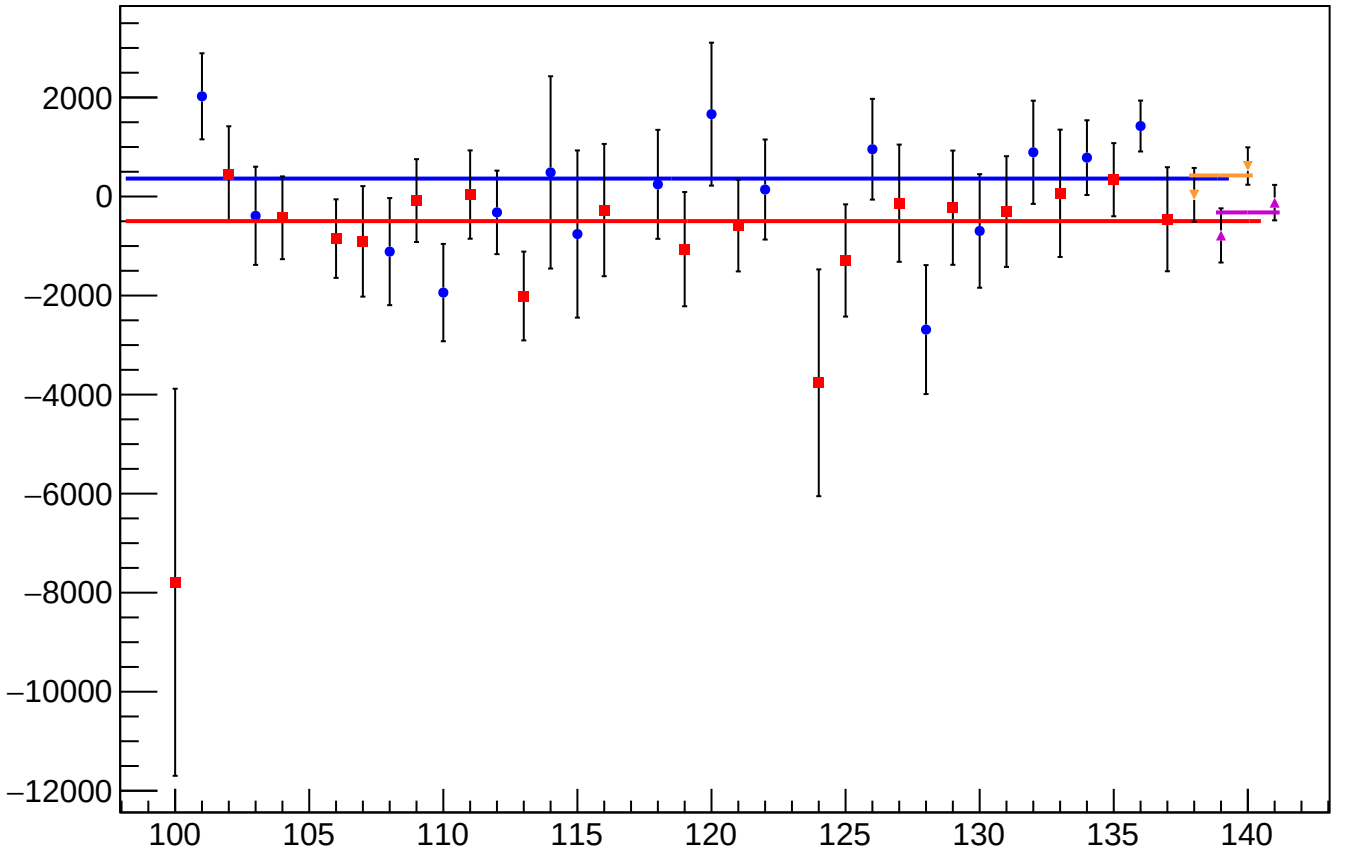
Left: 357.692+/-0.142 χ^2/NDF: 255611.6/3

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 502.125+/-0.125 χ^2/NDF:1546183.2/17

Out: 502.123+/-0.124 χ^2/NDF:1618010.9/20

All: 502.124+/-0.088 χ^2/NDF: 3164194.1/38



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 425.671+/-310.190 χ^2/NDF:0.8/1

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -321.617+/-299.422 χ^2/NDF:1.0/1

Left: 38.831+/-215.429 χ^2/NDF: 4.8/3

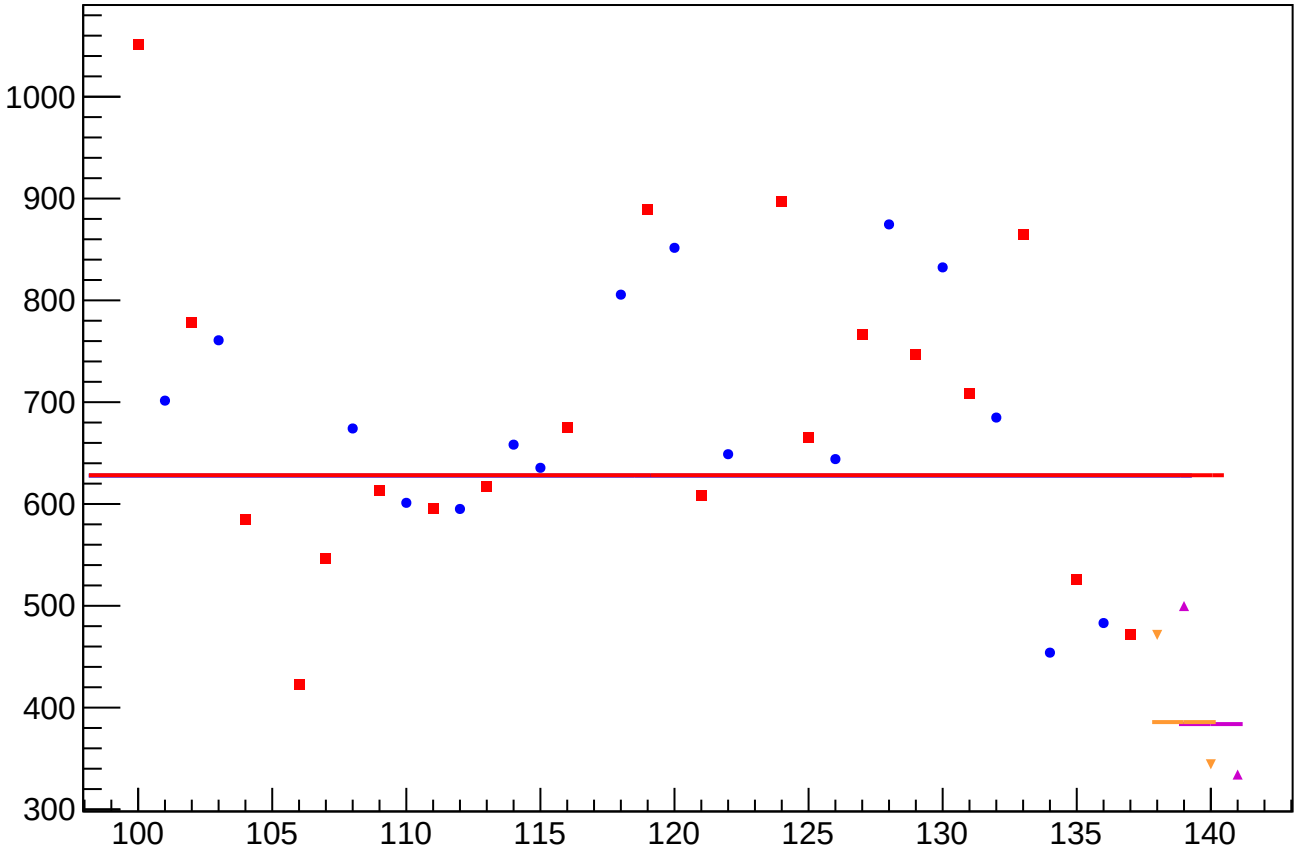
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: 94.417+/-187.411 χ^2/NDF:29.3/17

Out: -158.441+/-187.834 χ^2/NDF:19.1/20

All: -31.727+/-132.669 χ^2/NDF: 49.2/38

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 385.790+/-0.219 χ^2/NDF:73809.1/1

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 383.829+/-0.212 χ^2/NDF:128185.2/1

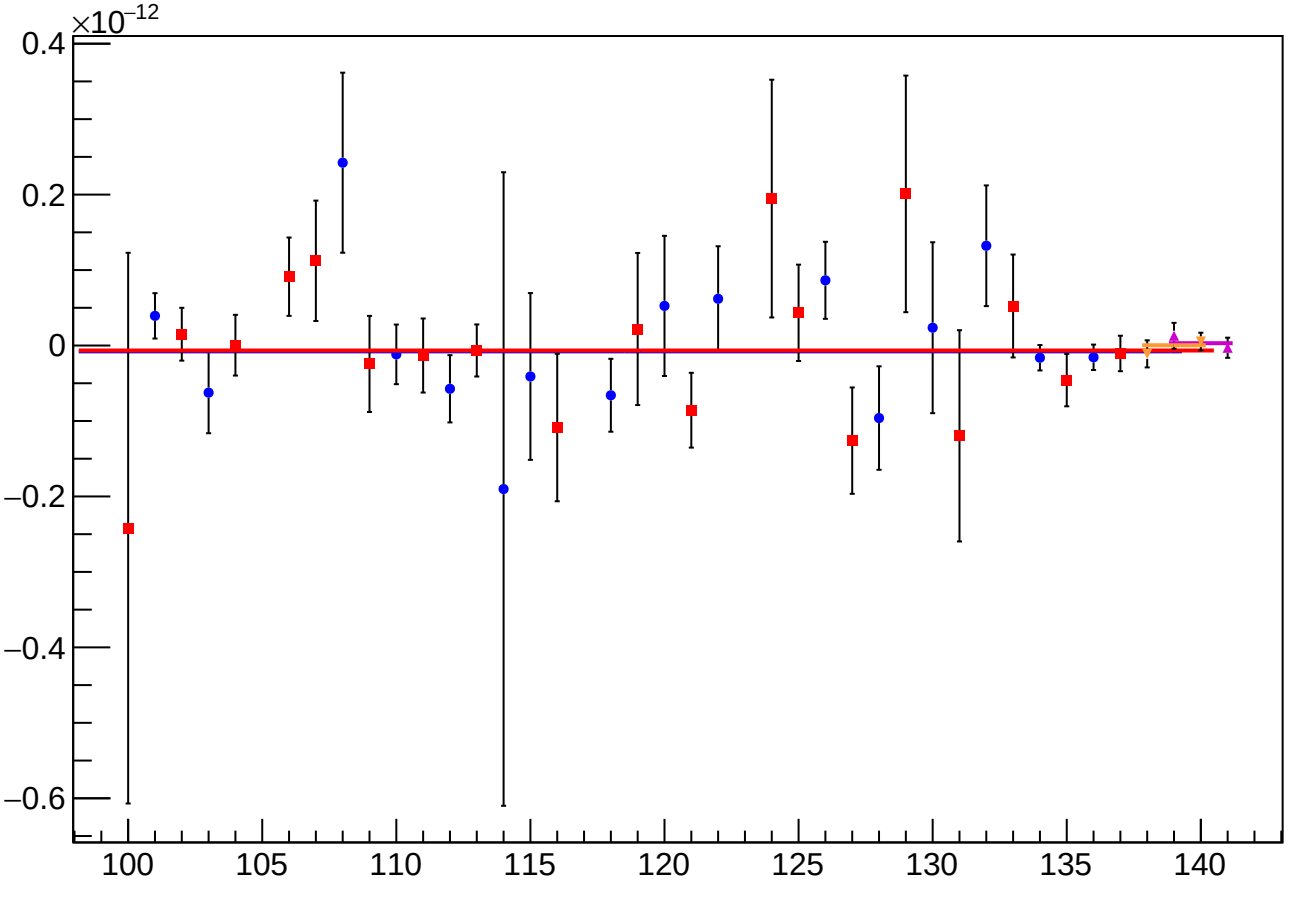
Left: 384.775+/-0.152 χ^2/NDF: 202035.7/3

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 532.279+/-0.133 χ^2/NDF:1503244.1/17

Out: 539.343+/-0.133 χ^2/NDF:1418668.6/20

All: 535.803+/-0.094 χ^2/NDF: 2923330.1/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

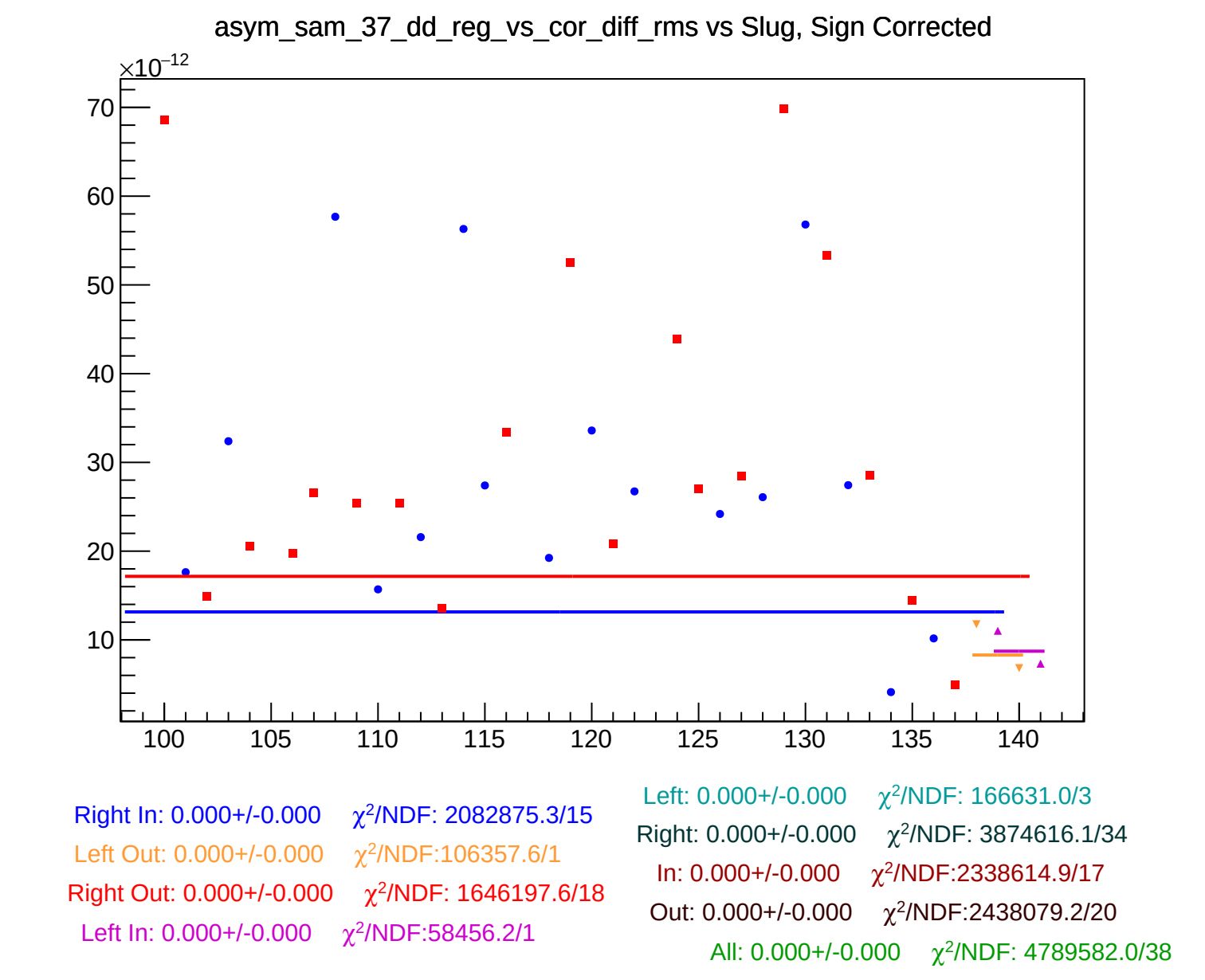
Left: 0.000+/-0.000 χ^2/NDF: 1.2/3

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:22.1/17

Out: -0.000+/-0.000 χ^2/NDF:20.8/20

All: -0.000+/-0.000 χ^2/NDF: 42.9/38


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
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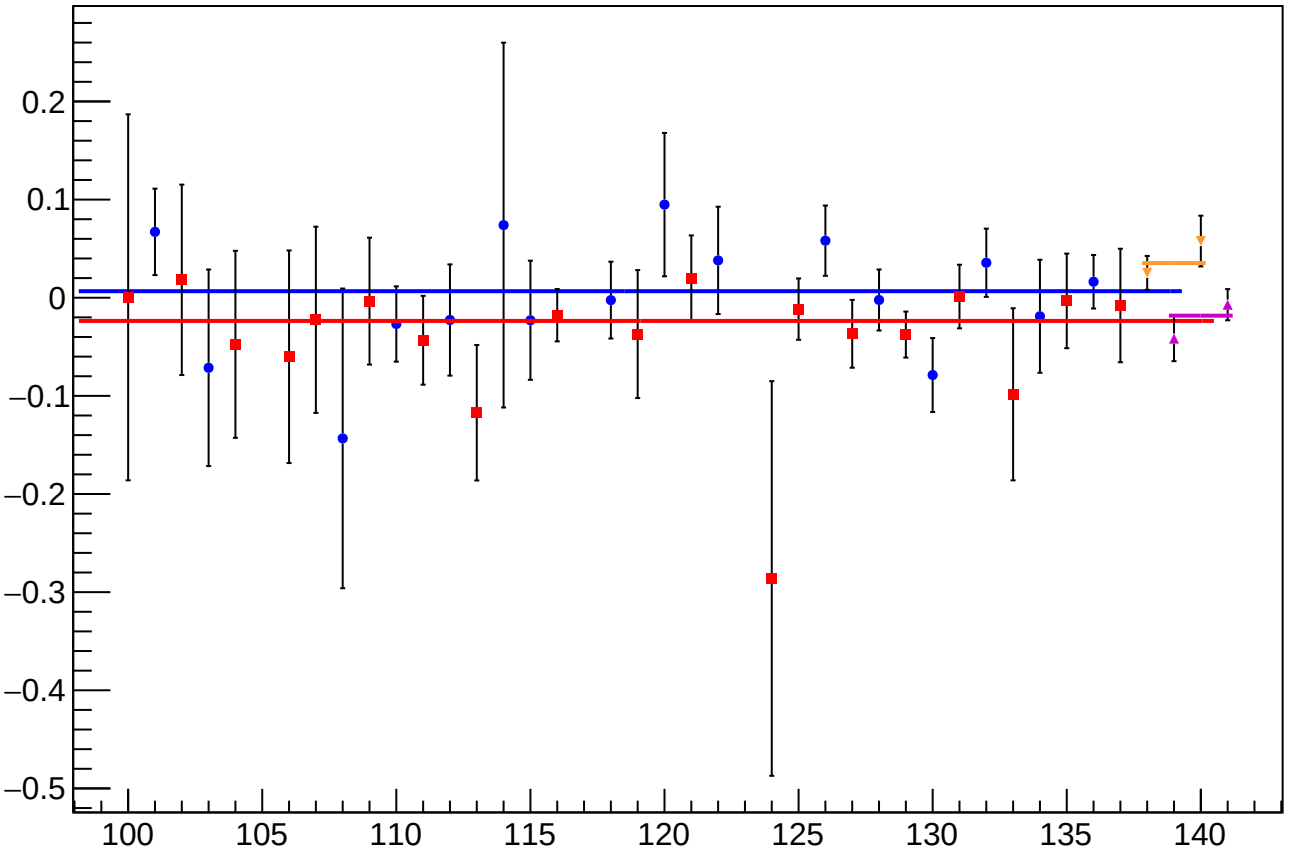
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:106357.6/1
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:58456.2/1
Left: 0.000+/-0.000 χ²/NDF: 166631.0/3
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:2338614.9/17
Out: 0.000+/-0.000 χ²/NDF:2438079.2/20
All: 0.000+/-0.000 χ²/NDF: 4789582.0/38



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.035+/-0.014 χ^2/NDF:1.1/1

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.018+/-0.013 χ^2/NDF:1.5/1

Left: 0.006+/-0.010 χ^2/NDF: 10.2/3

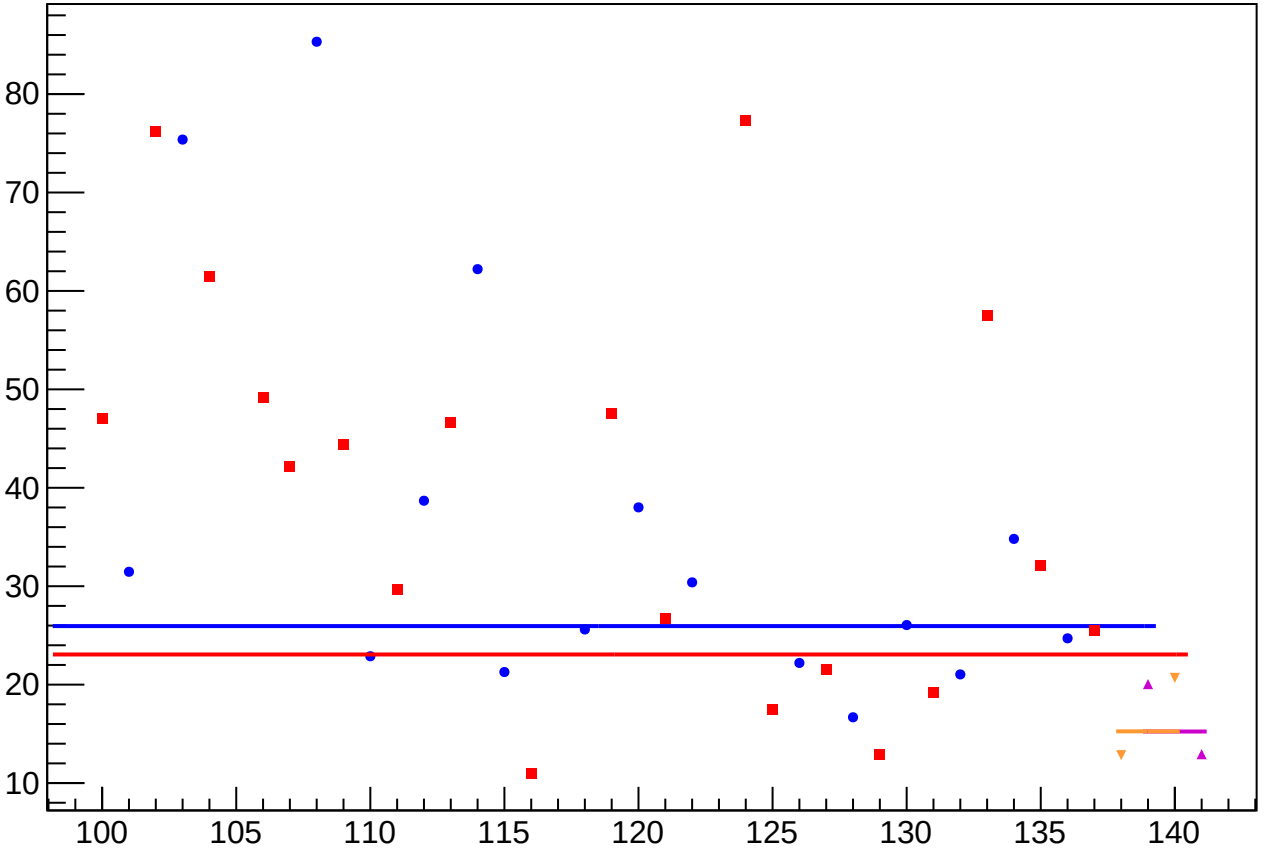
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.008 χ^2/NDF:18.6/17

Out: -0.003+/-0.008 χ^2/NDF:19.6/20

All: -0.003+/-0.006 χ^2/NDF: 38.2/38

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.254+/-0.010 χ^2/NDF:127606.6/1

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.236+/-0.009 χ^2/NDF:129755.0/1

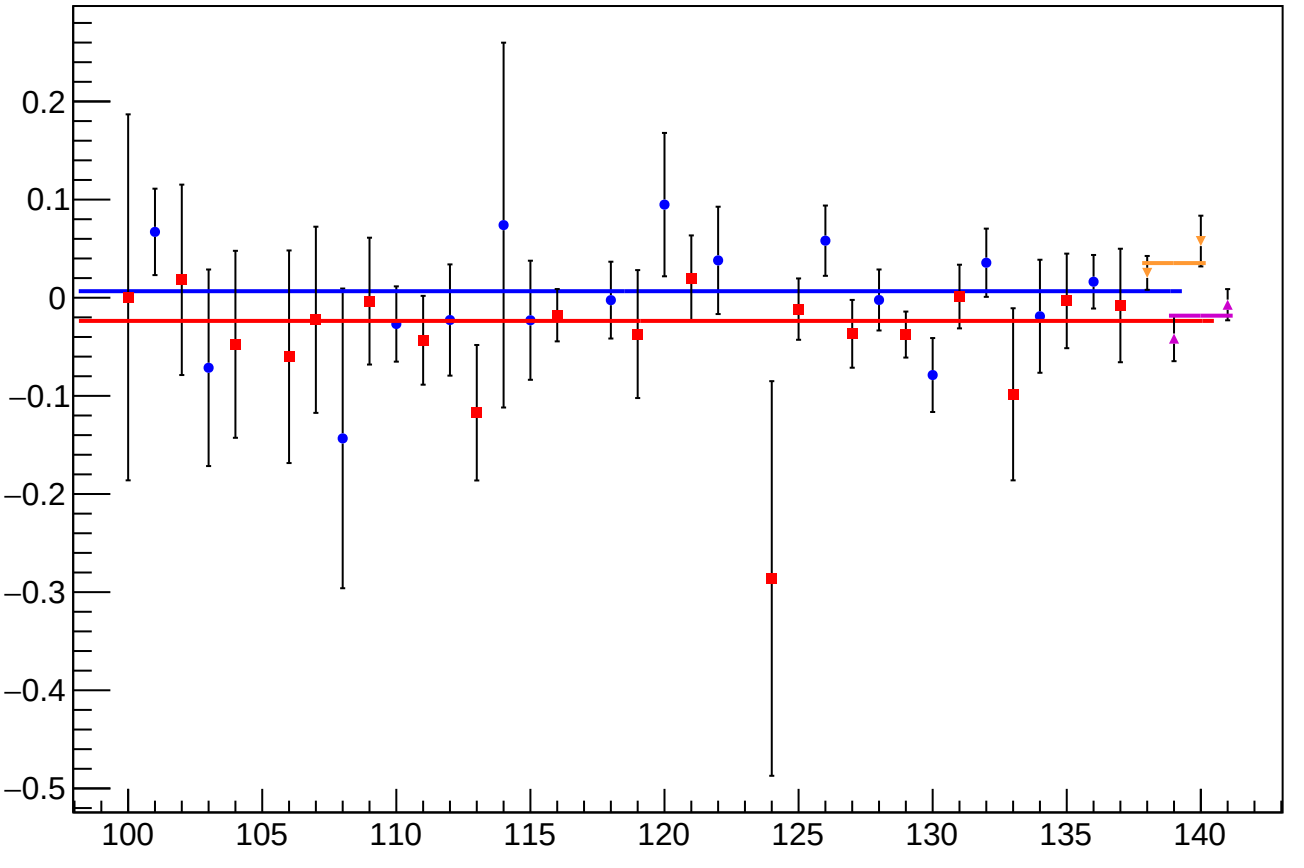
Left: 15.244+/-0.007 χ^2/NDF: 257363.3/3

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 21.465+/-0.006 χ^2/NDF:2291169.8/17

Out: 20.341+/-0.006 χ^2/NDF:3874339.9/20

All: 20.904+/-0.004 χ^2/NDF: 6183134.3/38



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.035+/-0.014 χ^2/NDF:1.1/1

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.018+/-0.013 χ^2/NDF:1.5/1

Left: 0.006+/-0.010 χ^2/NDF: 10.2/3

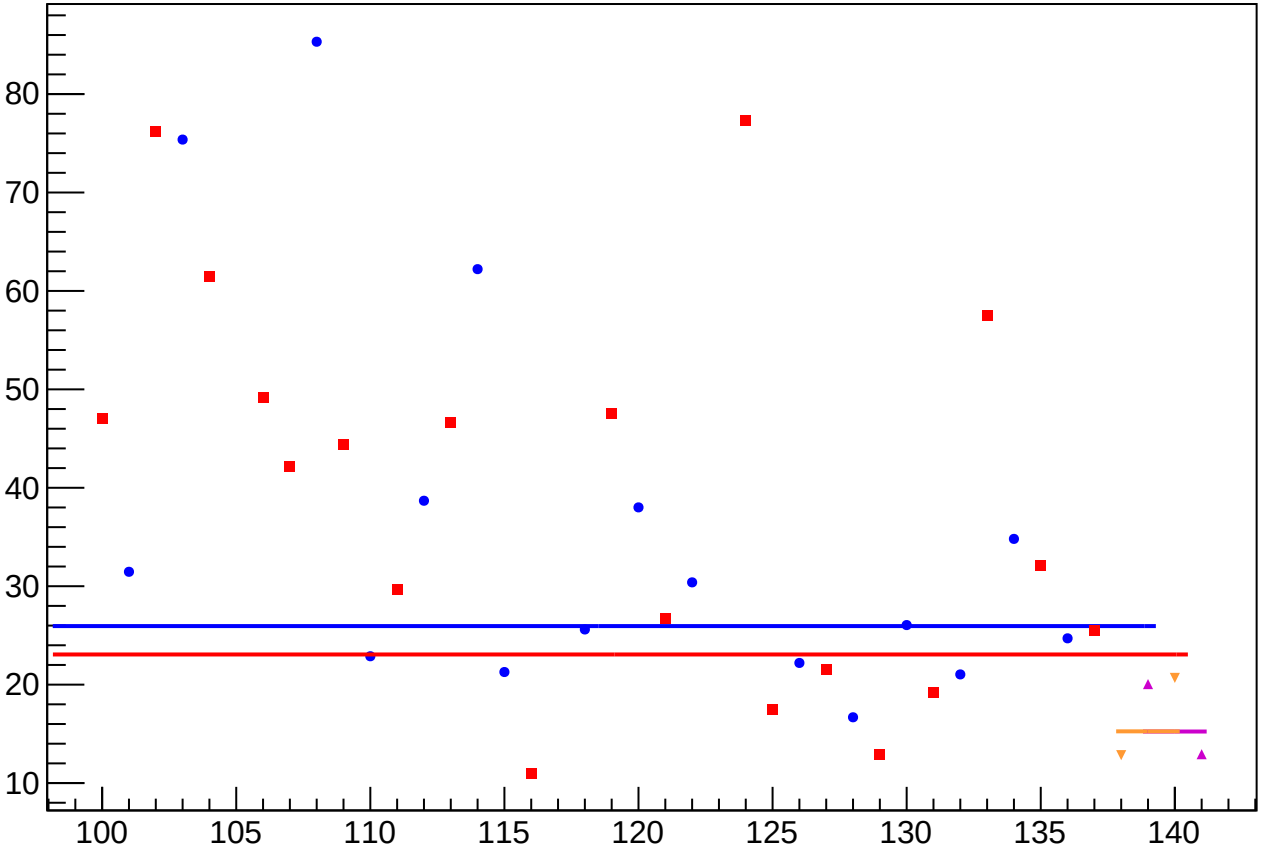
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.008 χ^2/NDF:18.6/17

Out: -0.003+/-0.008 χ^2/NDF:19.6/20

All: -0.003+/-0.006 χ^2/NDF: 38.2/38

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.254+/-0.010 χ^2/NDF:127606.6/1

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.236+/-0.009 χ^2/NDF:129755.0/1

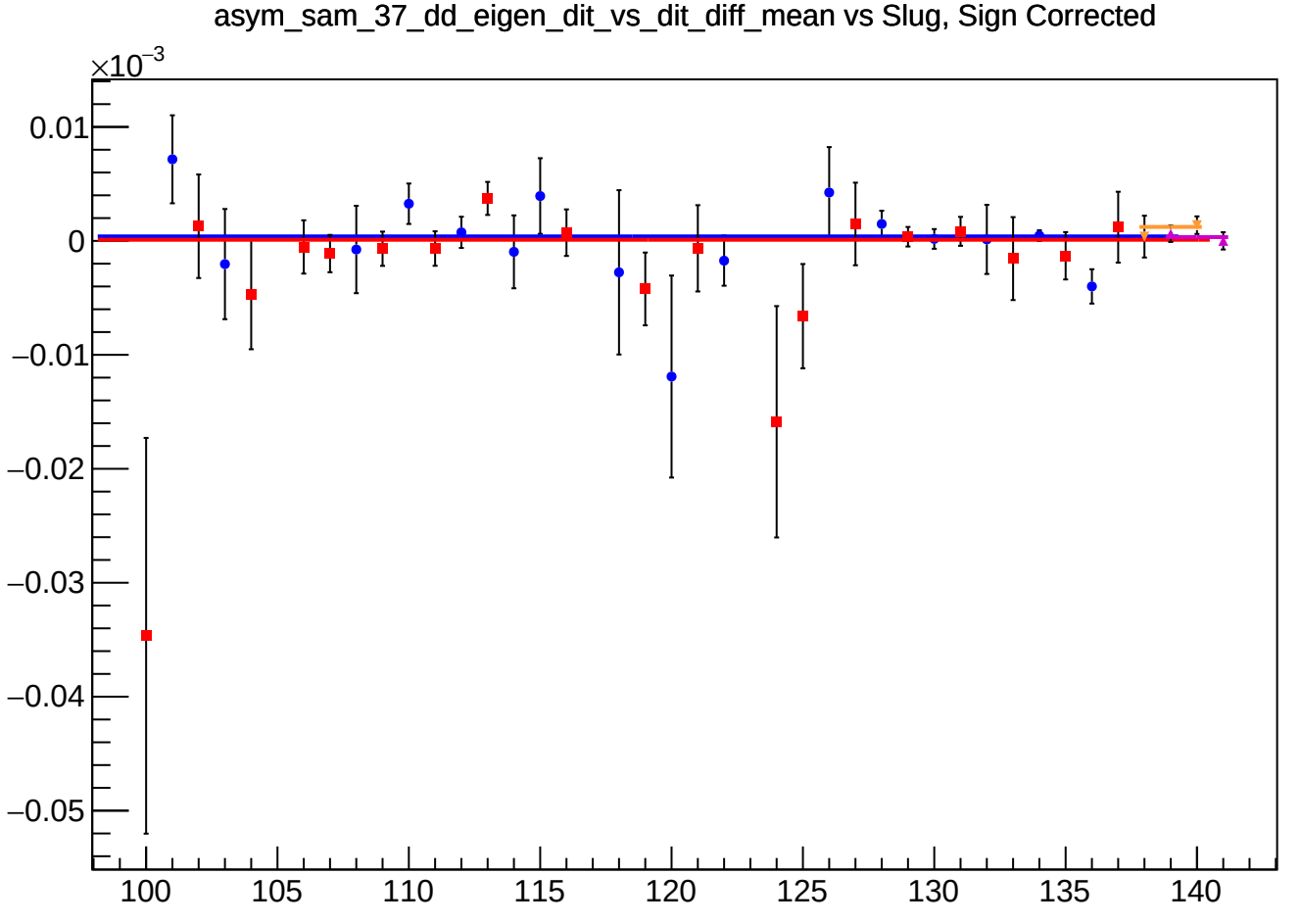
Left: 15.244+/-0.007 χ^2/NDF: 257363.3/3

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 21.465+/-0.006 χ^2/NDF:2291169.8/17

Out: 20.341+/-0.006 χ^2/NDF:3874339.9/20

All: 20.904+/-0.004 χ^2/NDF: 6183134.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

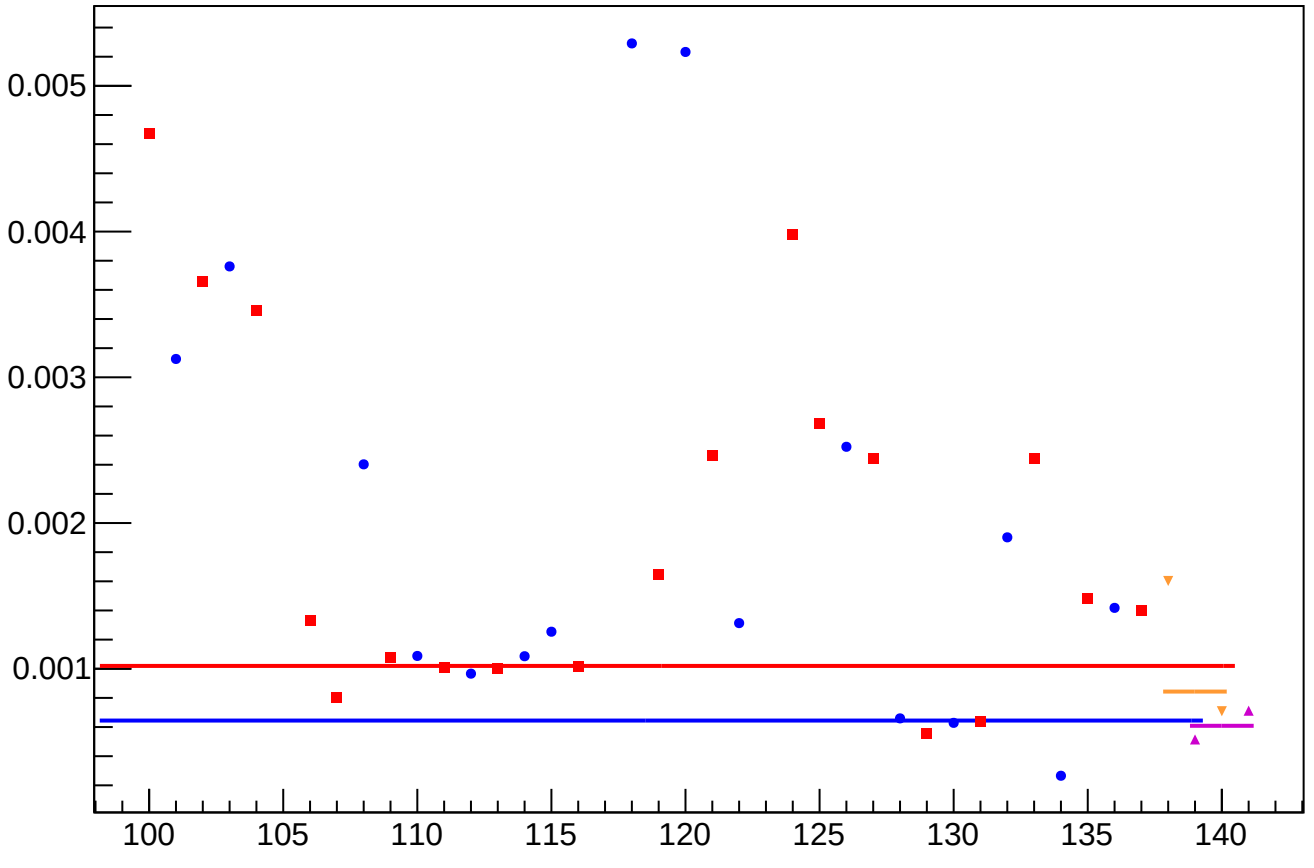
Left: 0.000+/-0.000 χ^2/NDF: 1.6/3

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:21.2/17

Out: 0.000+/-0.000 χ^2/NDF:22.5/20

All: 0.000+/-0.000 χ^2/NDF: 43.7/38



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:403508.3/1

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:71067.3/1

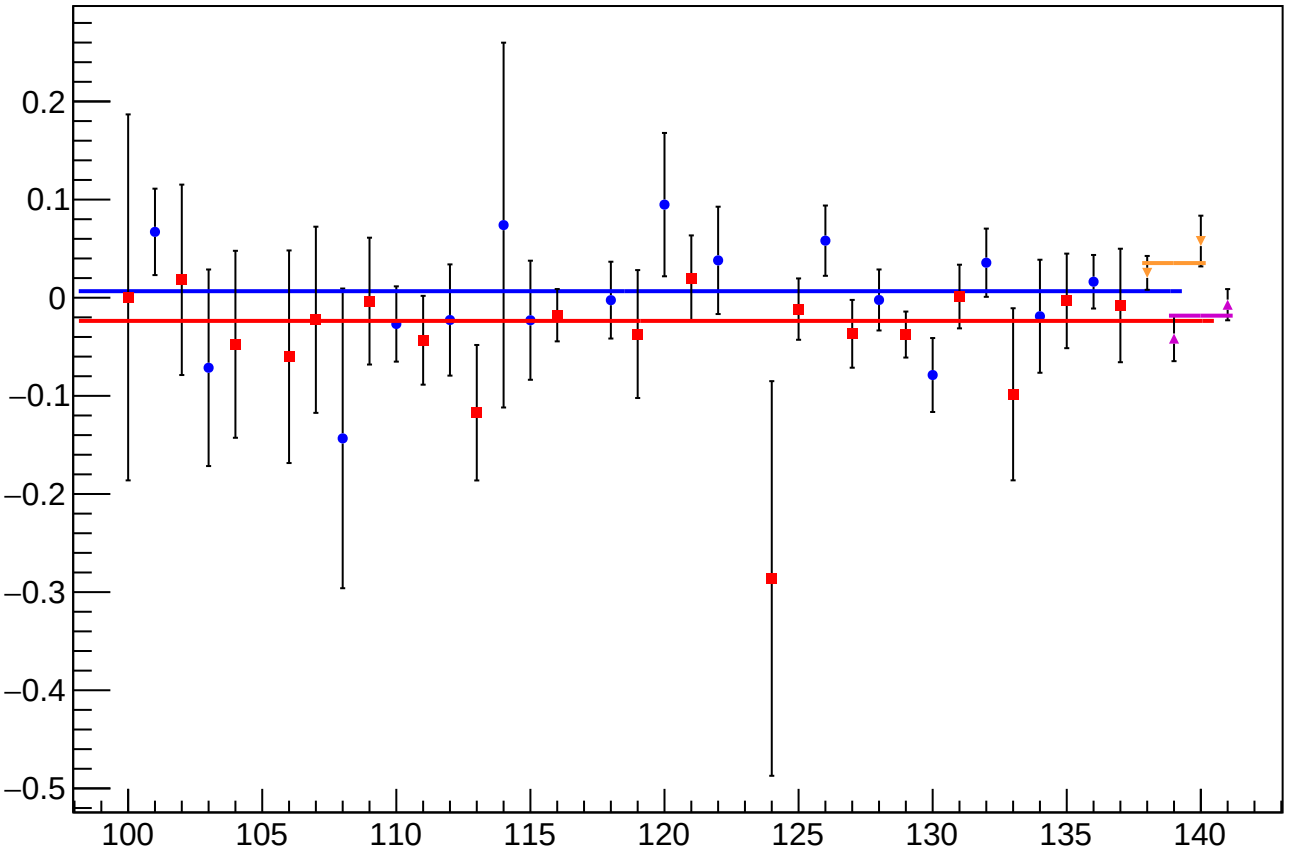
Left: 0.001+/-0.000 χ^2/NDF: 615873.6/3

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:6653371.3/17

Out: 0.001+/-0.000 χ^2/NDF:4153207.4/20

All: 0.001+/-0.000 χ^2/NDF: 11801985.7/38



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.035+/-0.014 χ^2/NDF:1.1/1

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.018+/-0.013 χ^2/NDF:1.5/1

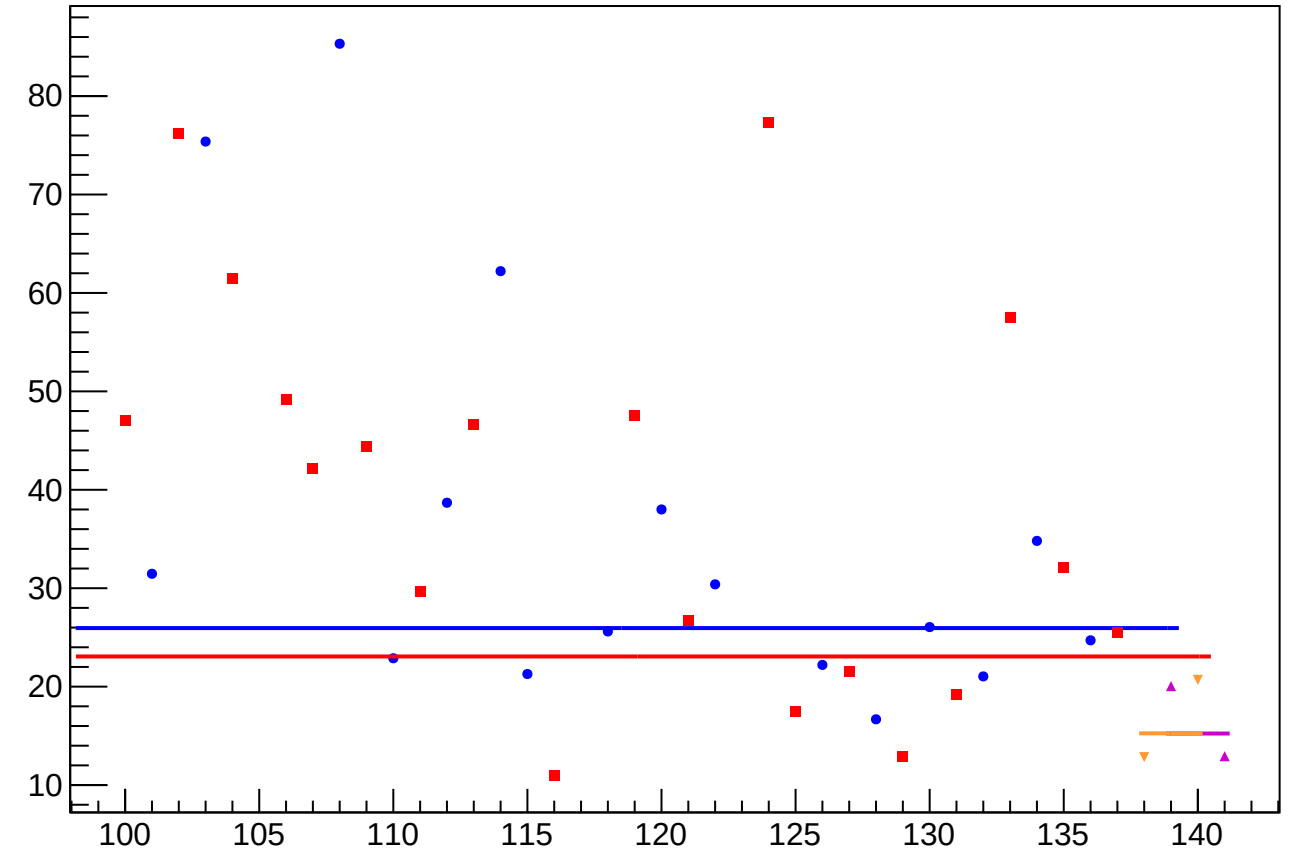
Left: 0.006+/-0.010 χ^2/NDF: 10.2/3

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.008 χ^2/NDF:18.6/17

Out: -0.003+/-0.008 χ^2/NDF:19.6/20

All: -0.003+/-0.006 χ^2/NDF: 38.2/38



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.255+/-0.010 χ^2/NDF:127600.4/1

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.237+/-0.009 χ^2/NDF:129722.8/1

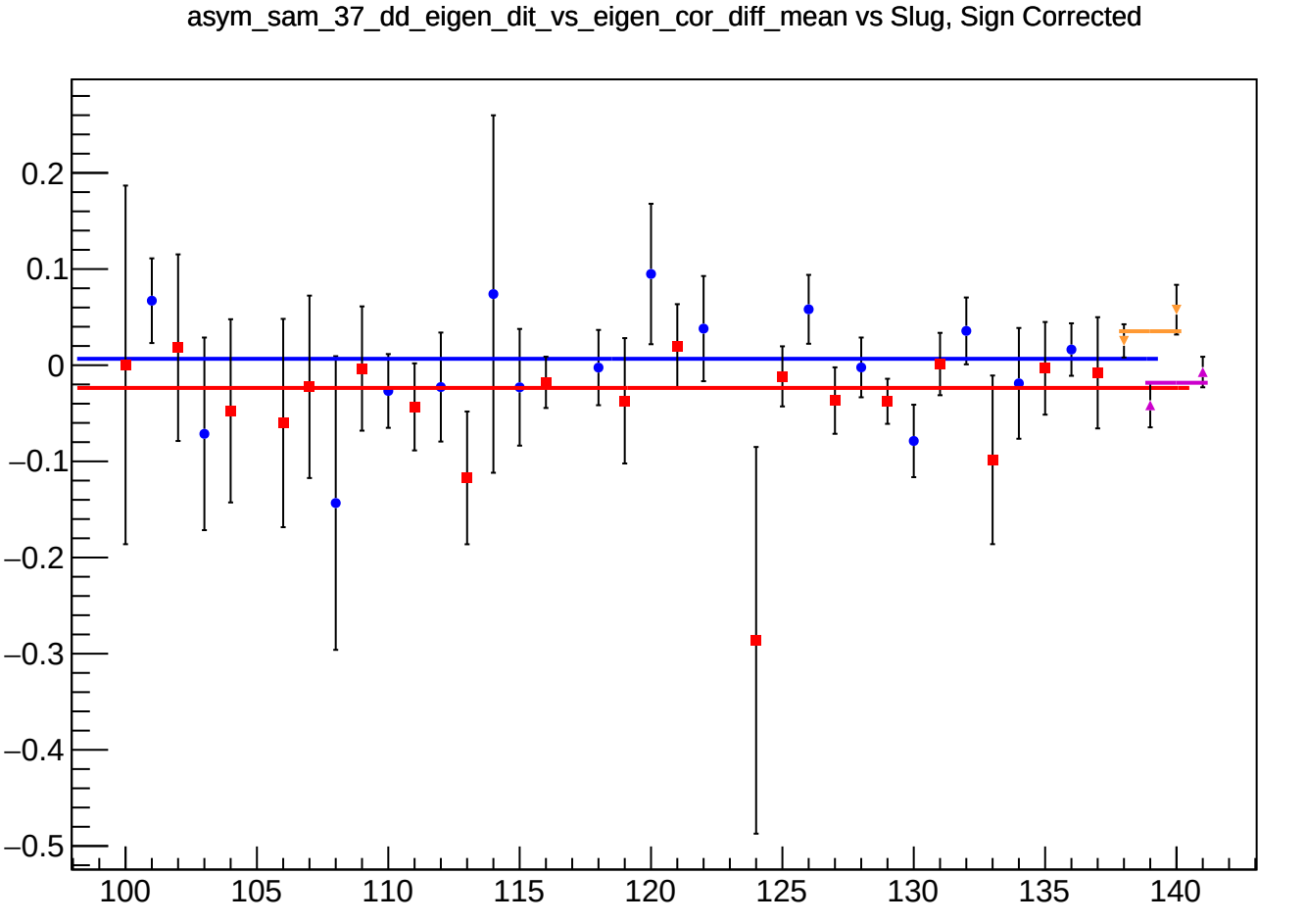
Left: 15.245+/-0.007 χ^2/NDF: 257325.0/3

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 21.466+/-0.006 χ^2/NDF:2291085.5/17

Out: 20.342+/-0.006 χ^2/NDF:3874124.3/20

All: 20.904+/-0.004 χ^2/NDF: 6182824.2/38



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.035+/-0.014 χ^2/NDF:1.1/1

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.018+/-0.013 χ^2/NDF:1.5/1

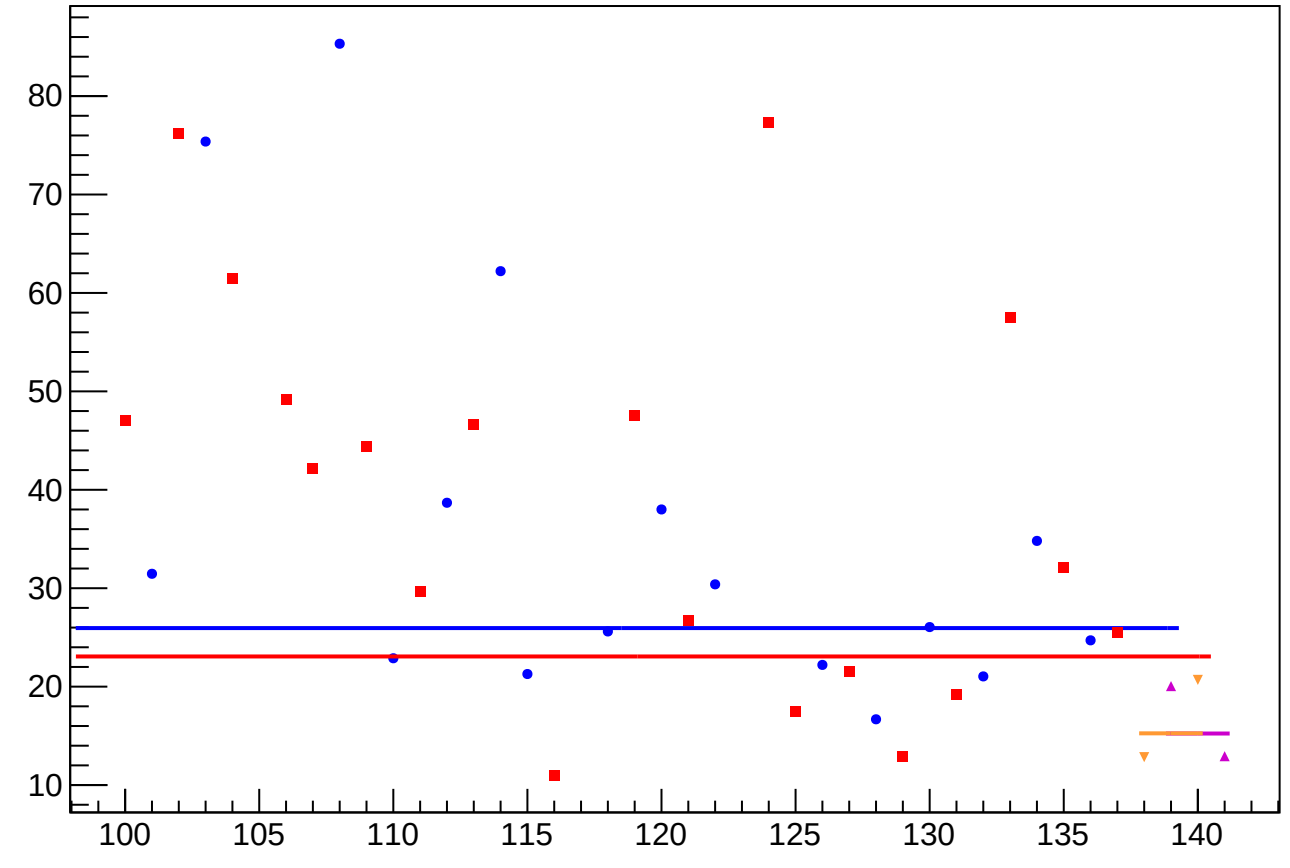
Left: 0.006+/-0.010 χ^2/NDF: 10.2/3

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.008 χ^2/NDF:18.6/17

Out: -0.003+/-0.008 χ^2/NDF:19.6/20

All: -0.003+/-0.006 χ^2/NDF: 38.2/38



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.255+/-0.010 χ^2/NDF:127600.4/1

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.237+/-0.009 χ^2/NDF:129722.8/1

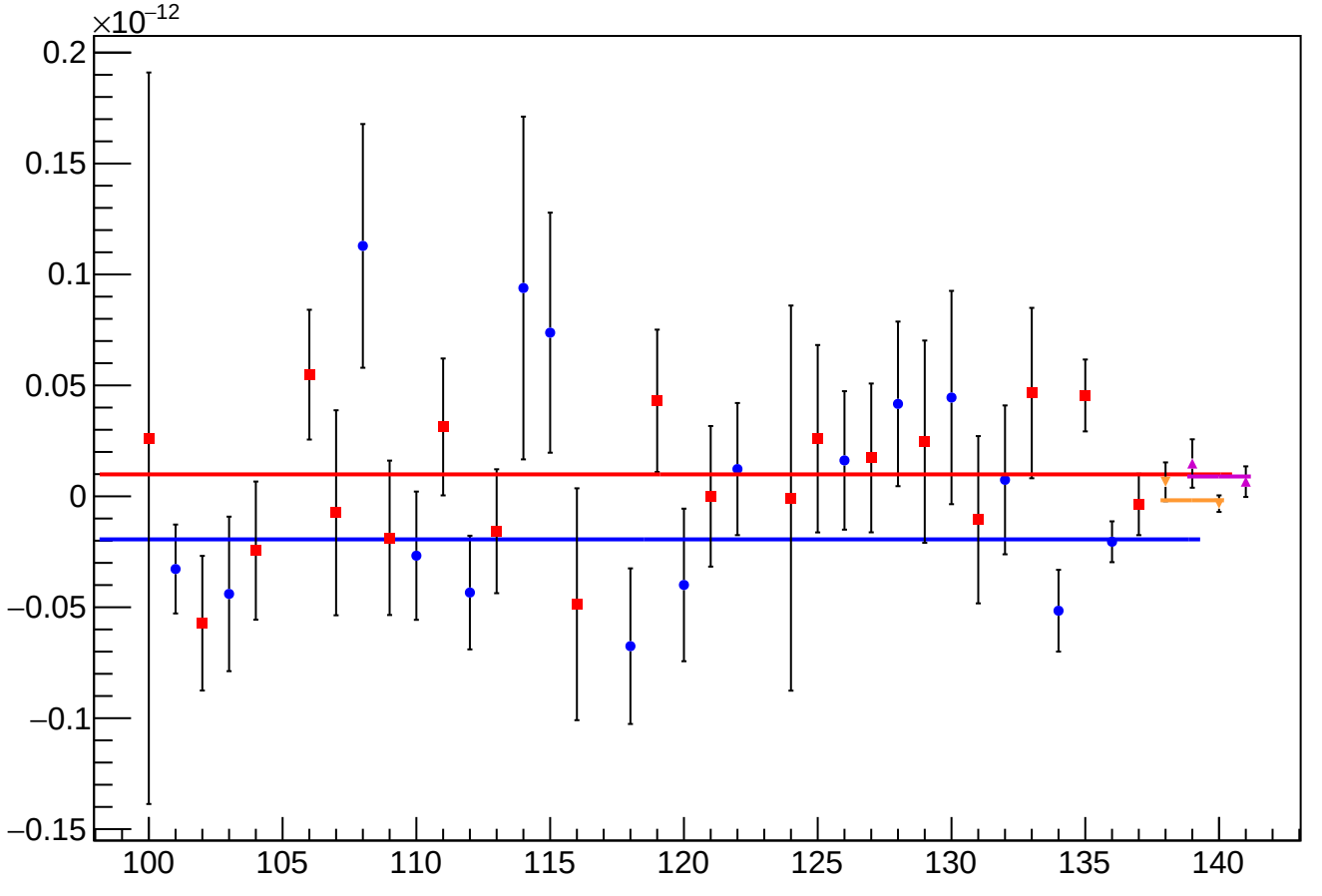
Left: 15.245+/-0.007 χ^2/NDF: 257325.0/3

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 21.466+/-0.006 χ^2/NDF:2291085.5/17

Out: 20.342+/-0.006 χ^2/NDF:3874124.3/20

All: 20.904+/-0.004 χ^2/NDF: 6182824.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

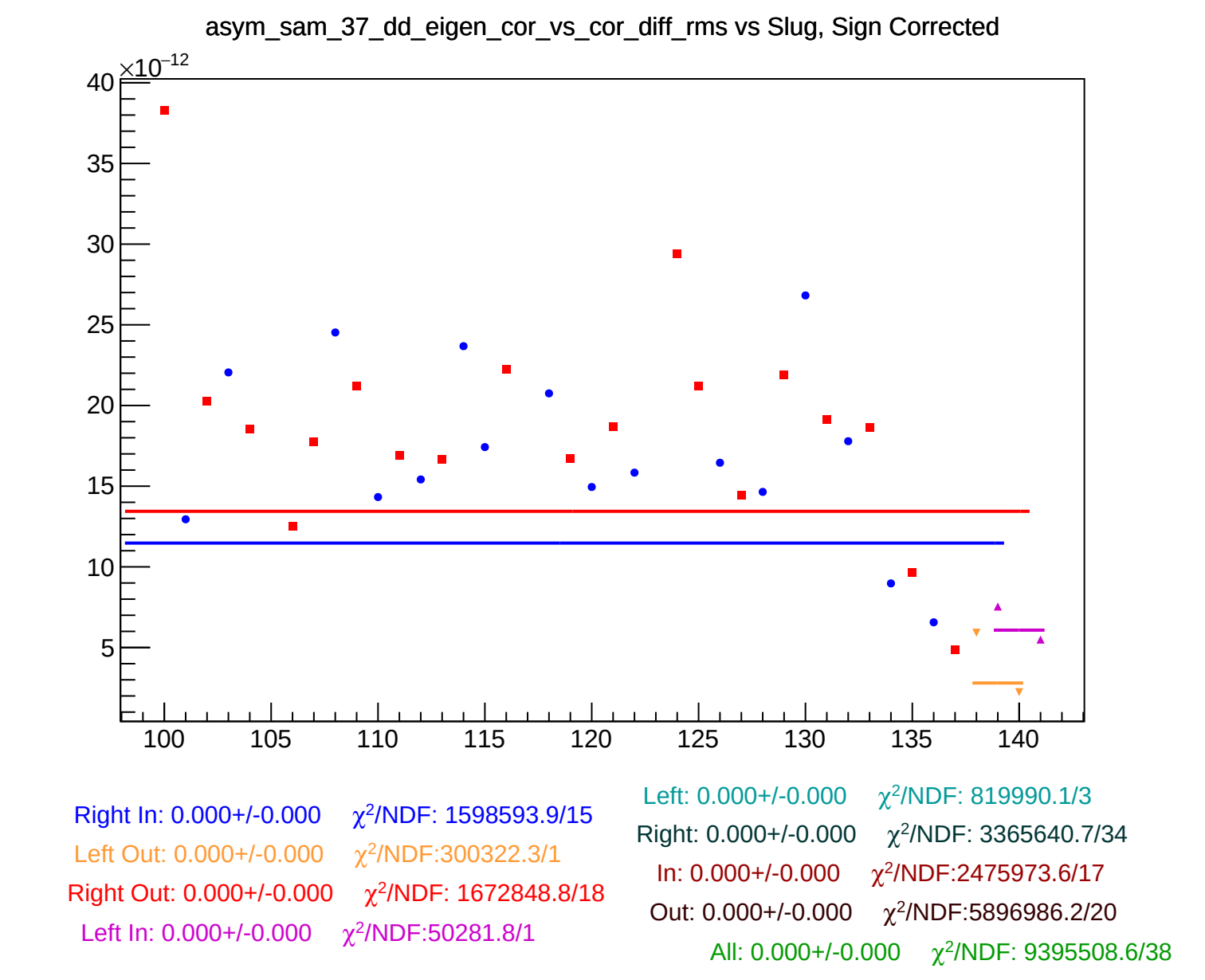
Left: 0.000+/-0.000 χ^2/NDF: 4.0/3

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:37.5/17

Out: 0.000+/-0.000 χ^2/NDF:23.8/20

All: -0.000+/-0.000 χ^2/NDF: 62.3/38


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
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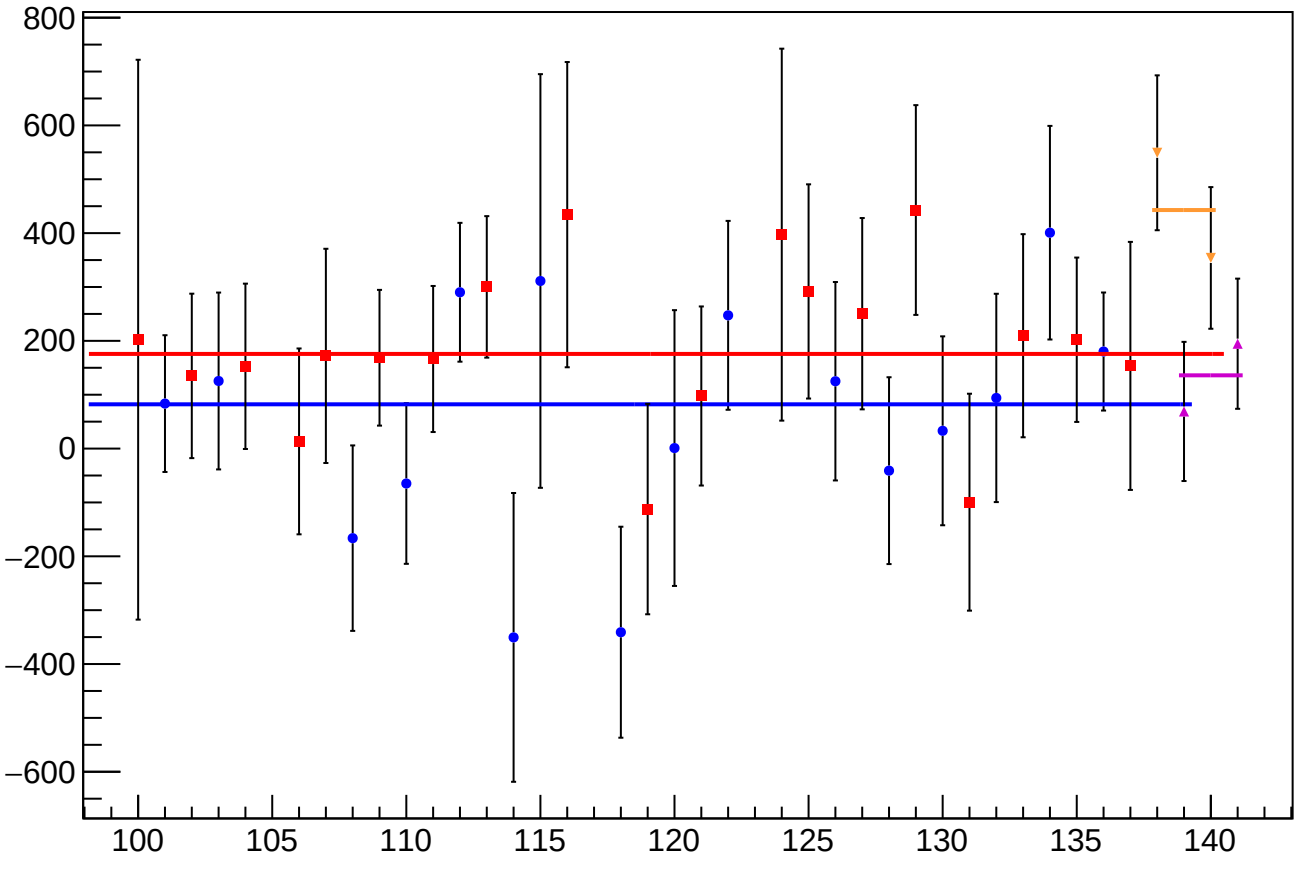
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:300322.3/1
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:50281.8/1
Left: 0.000+/-0.000 χ²/NDF: 819990.1/3
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:2475973.6/17
Out: 0.000+/-0.000 χ²/NDF:5896986.2/20
All: 0.000+/-0.000 χ²/NDF: 9395508.6/38



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 442.862+/-97.036 χ^2/NDF:1.0/1

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 135.996+/-88.249 χ^2/NDF:0.5/1

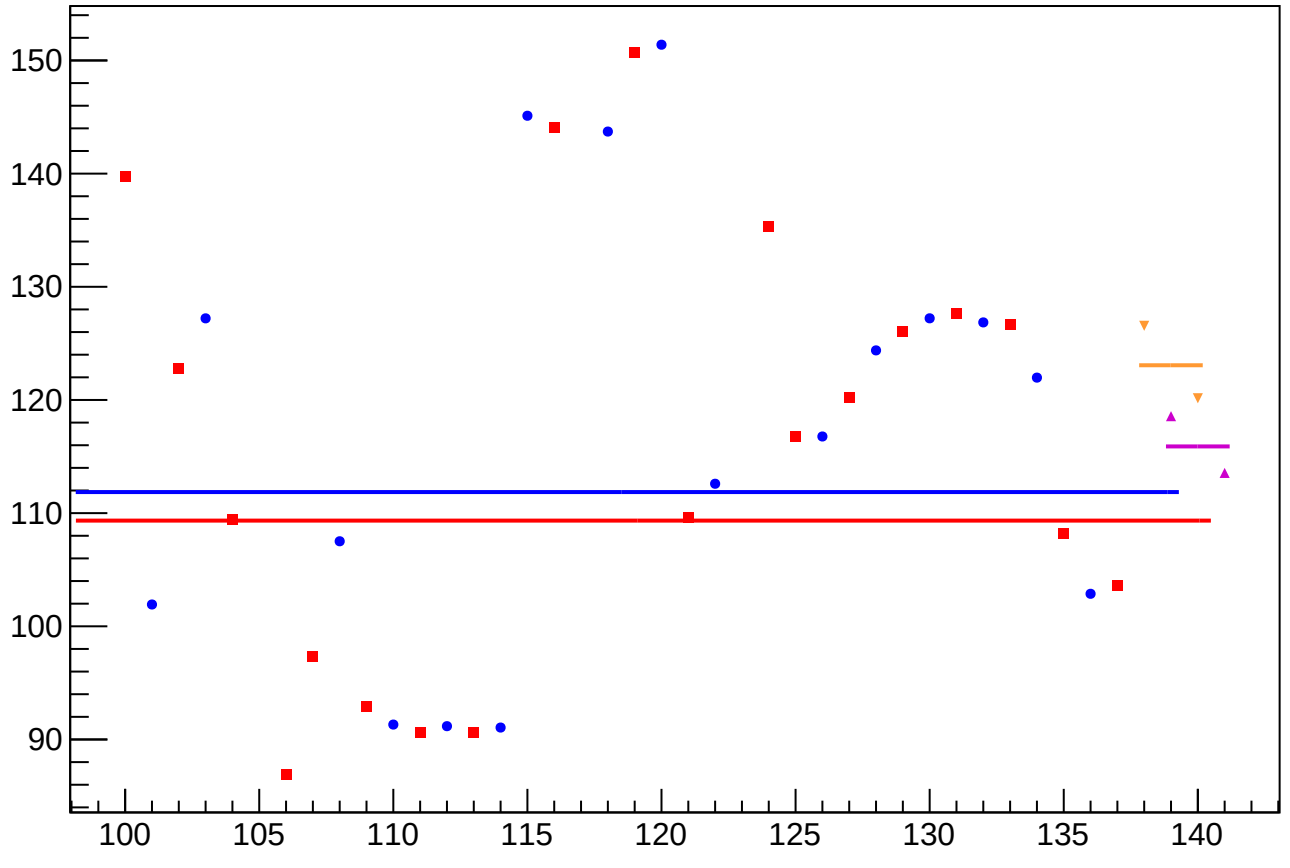
Left: 274.909+/-65.288 χ^2/NDF: 7.0/3

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 92.183+/-38.022 χ^2/NDF:19.2/17

Out: 215.650+/-37.511 χ^2/NDF:17.3/20

All: 154.752+/-26.703 χ^2/NDF: 41.8/38



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 123.067+/-0.069 χ^2/NDF:2159.5/1

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 115.895+/-0.062 χ^2/NDF:1606.7/1

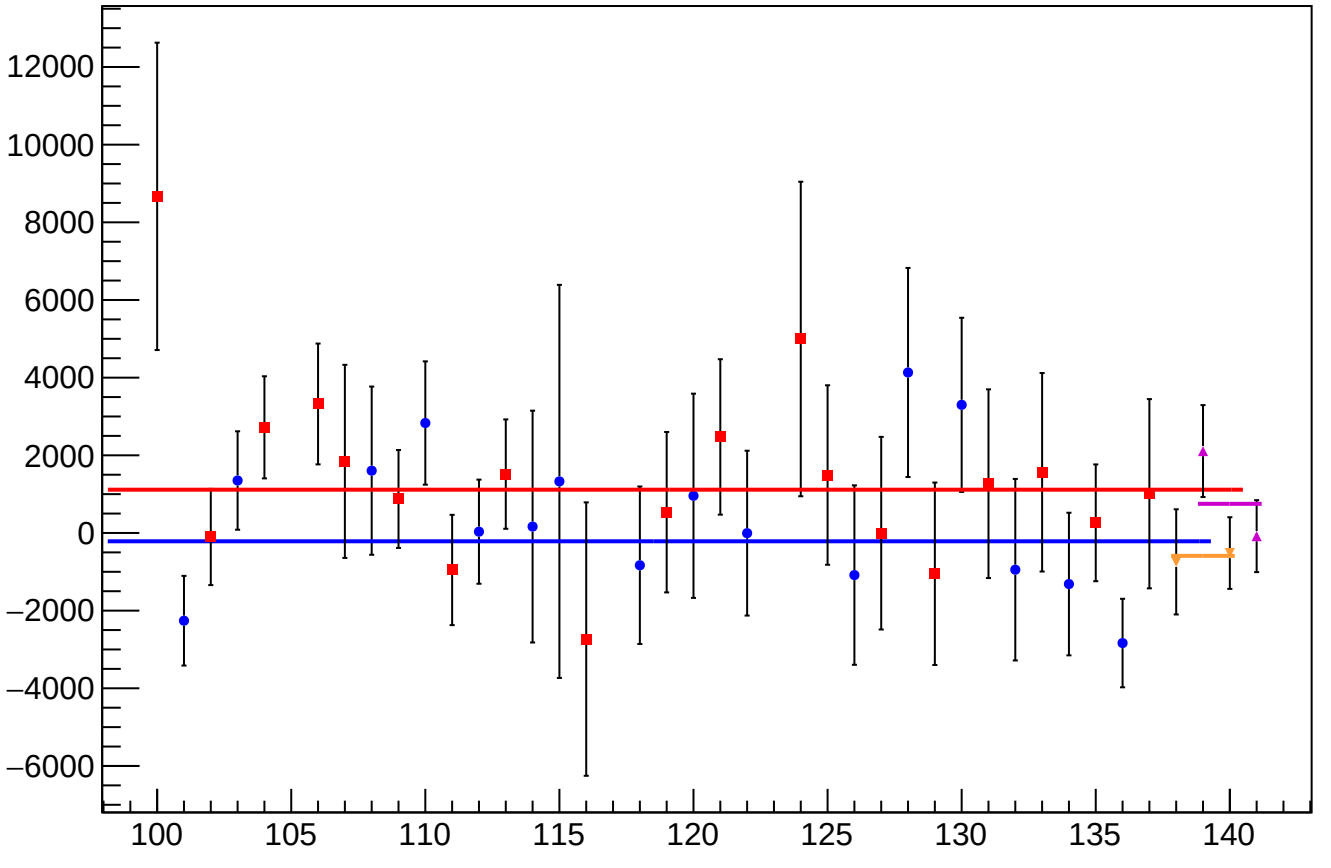
Left: 119.142+/-0.046 χ^2/NDF: 9746.3/3

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 112.611+/-0.027 χ^2/NDF:311031.7/17

Out: 111.392+/-0.027 χ^2/NDF:403420.9/20

All: 111.993+/-0.019 χ^2/NDF: 715494.7/38



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -589.238+/-762.605 χ^2/NDF:0.0/1

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 750.548+/-729.501 χ^2/NDF:2.1/1

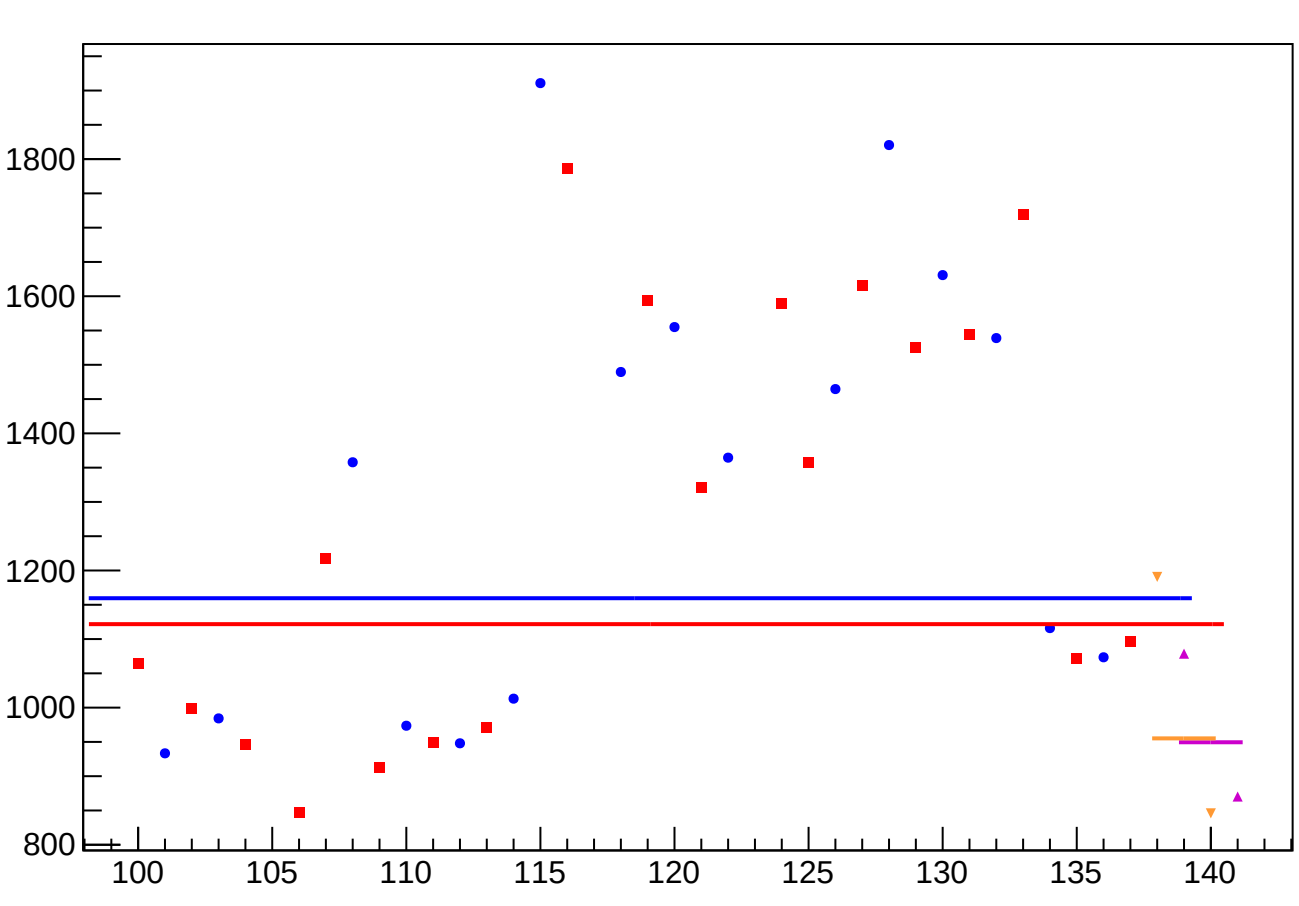
Left: 110.366+/-527.150 χ^2/NDF: 3.8/3

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 46.554+/-379.251 χ^2/NDF:23.8/17

Out: 713.742+/-369.932 χ^2/NDF:18.4/20

All: 388.445+/-264.815 χ^2/NDF: 43.8/38



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 955.148+/-0.539 χ^2/NDF:88555.1/1

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 949.483+/-0.516 χ^2/NDF:38432.3/1

Left: 952.190+/-0.373 χ^2/NDF: 127045.1/3

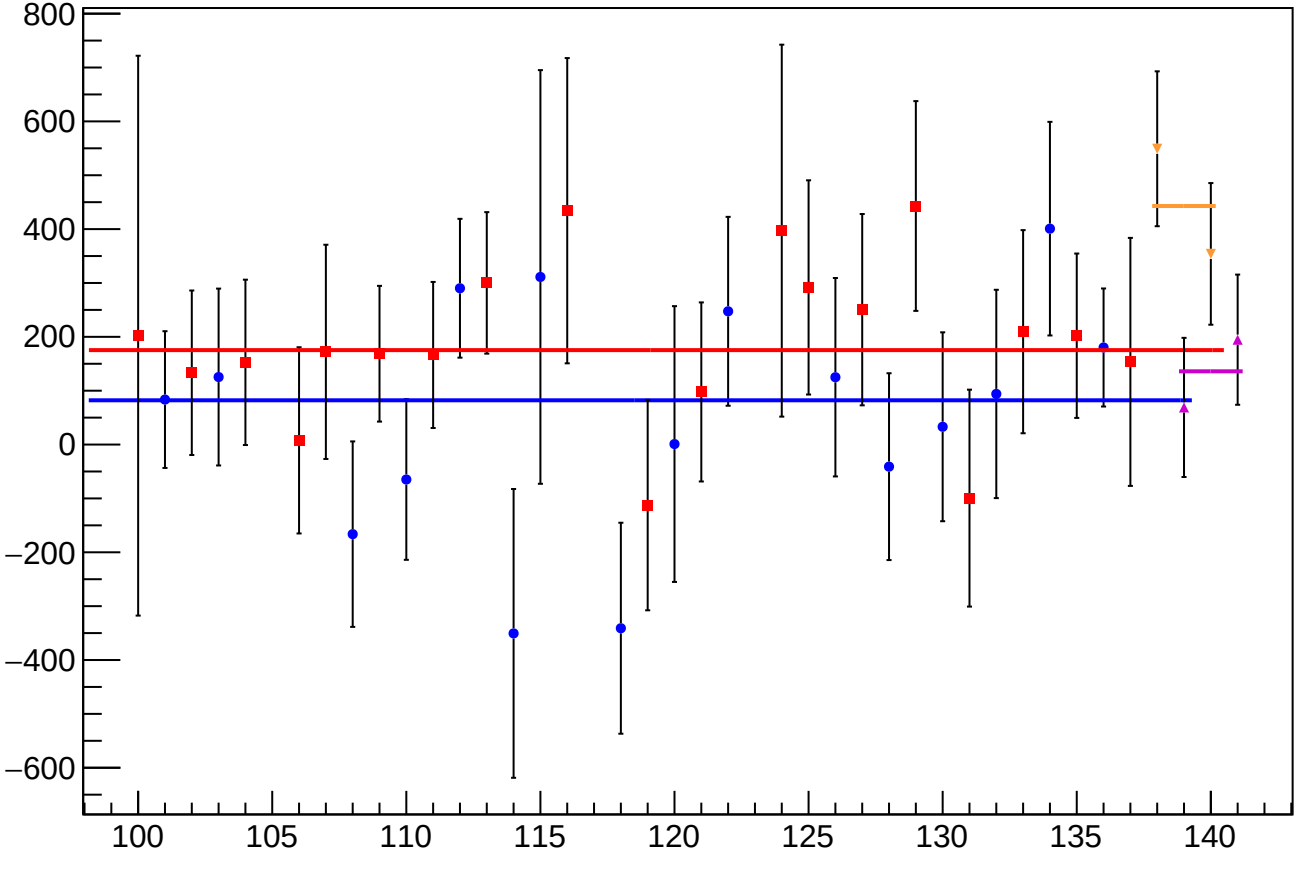
Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1102.787+/-0.268 χ^2/NDF:843164.8/17

Out: 1082.548+/-0.262 χ^2/NDF:943821.8/20

All: 1092.416+/-0.187 χ^2/NDF: 1789905.4/38

cor_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 442.870+/-97.036 χ^2/NDF:1.0/1

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 136.008+/-88.249 χ^2/NDF:0.5/1

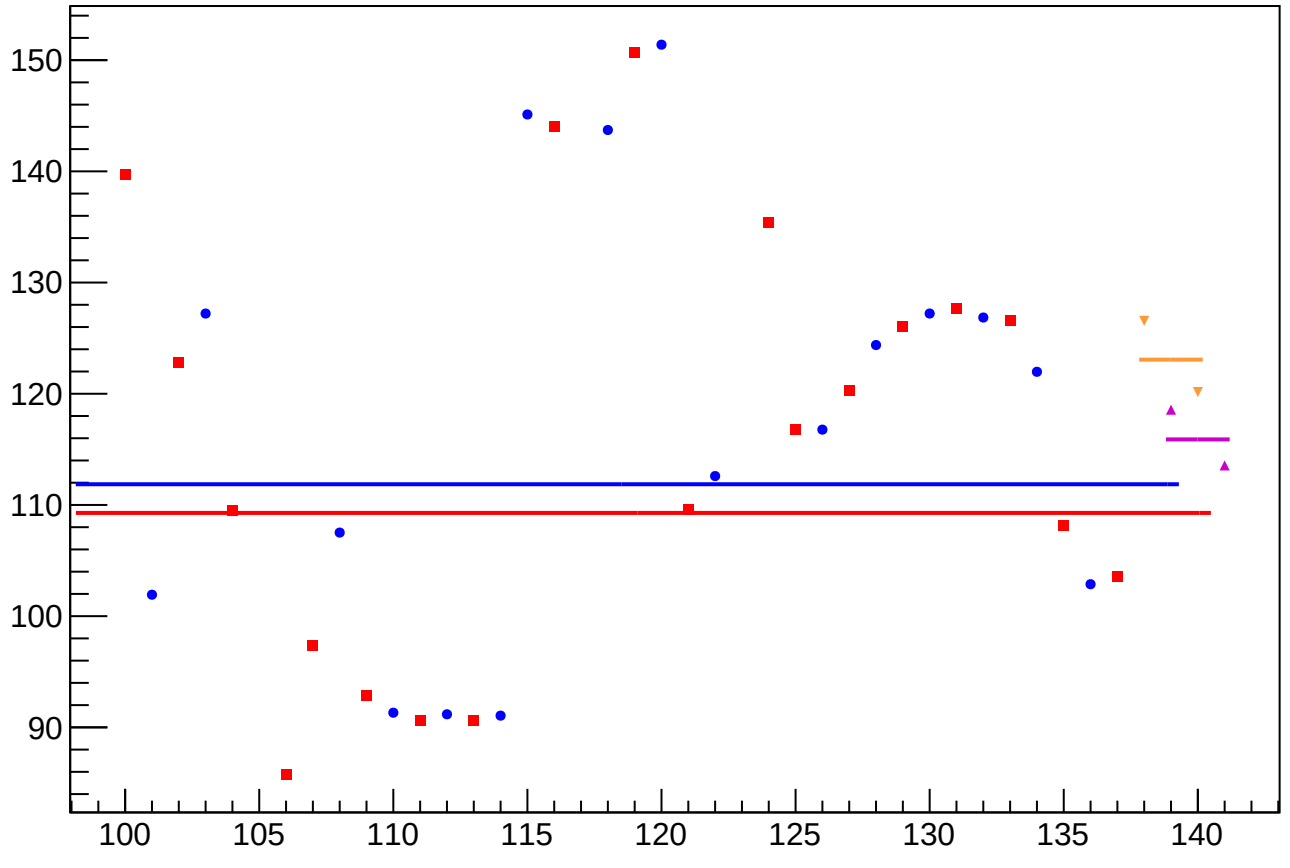
Left: 274.919+/-65.288 χ^2/NDF: 7.0/3

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 92.176+/-38.022 χ^2/NDF:19.2/17

Out: 215.326+/-37.515 χ^2/NDF:17.4/20

All: 154.577+/-26.705 χ^2/NDF: 41.9/38



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 123.067+/-0.069 χ^2/NDF:2159.5/1

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 115.895+/-0.062 χ^2/NDF:1606.7/1

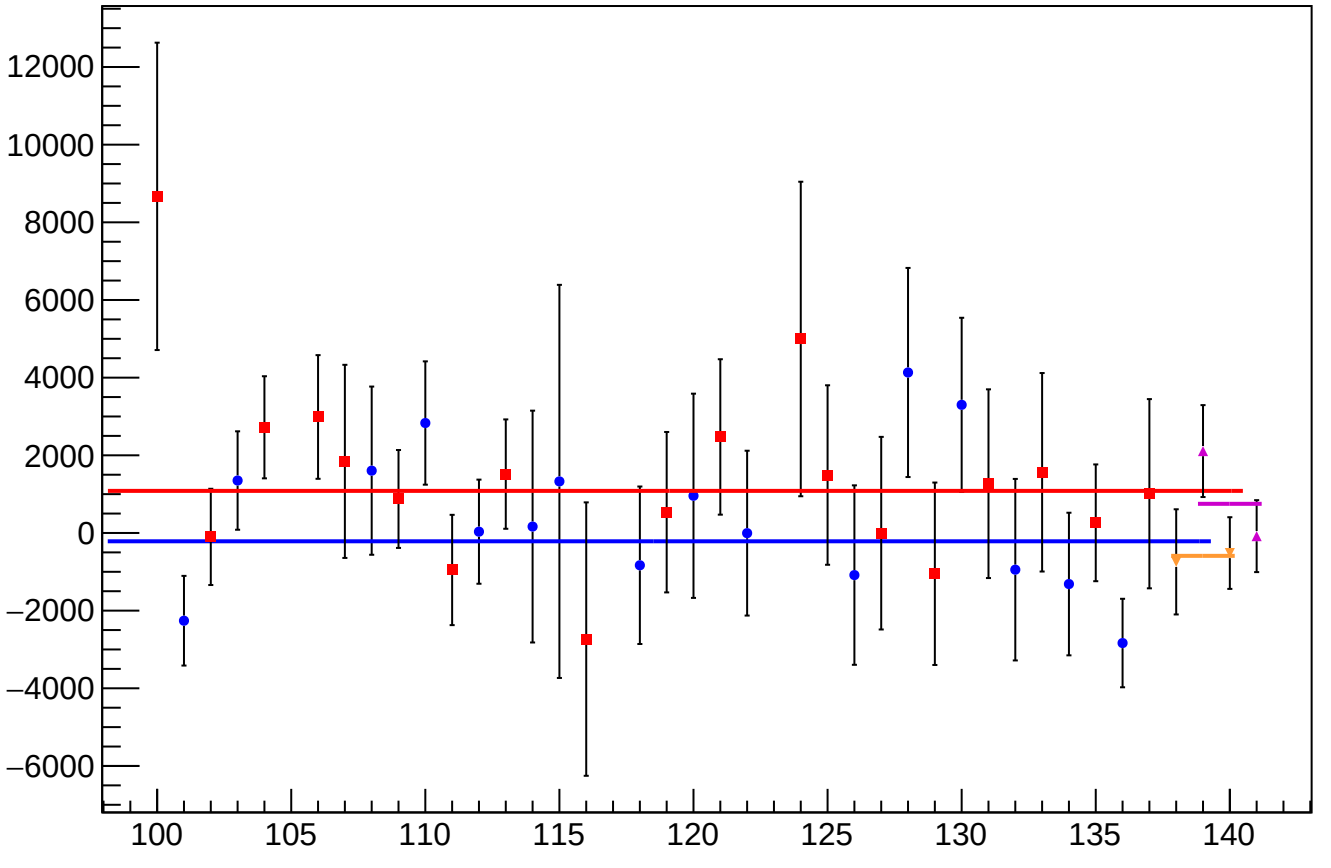
Left: 119.142+/-0.046 χ^2/NDF: 9746.3/3

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 112.611+/-0.027 χ^2/NDF:311032.8/17

Out: 111.344+/-0.027 χ^2/NDF:407190.2/20

All: 111.969+/-0.019 χ^2/NDF: 719347.3/38



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -589.228+/-762.605 χ^2/NDF:0.0/1

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 750.574+/-729.501 χ^2/NDF:2.1/1

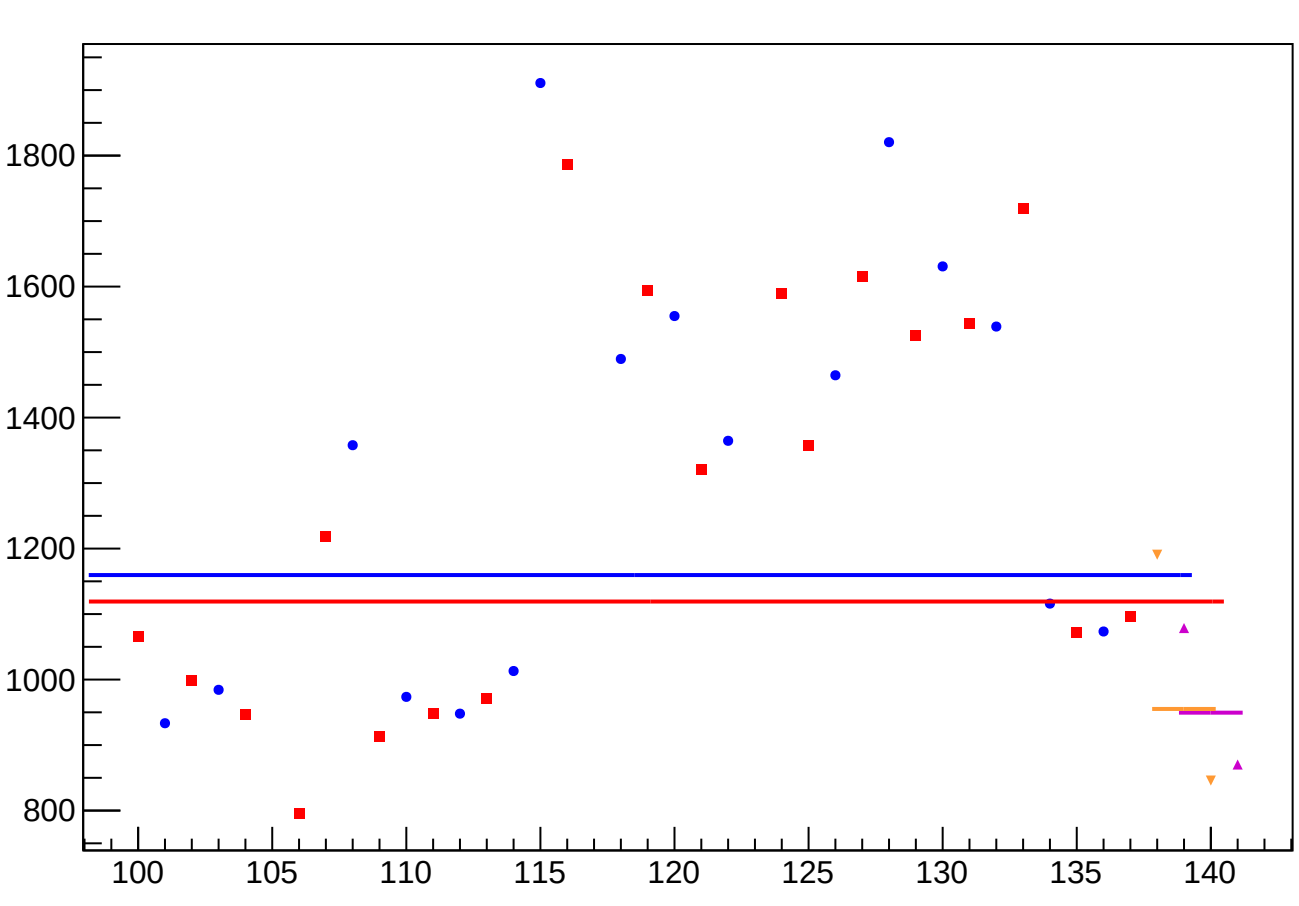
Left: 110.383+/-527.150 χ^2/NDF: 3.8/3

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 46.497+/-379.253 χ^2/NDF:23.8/17

Out: 689.177+/-370.424 χ^2/NDF:17.6/20

All: 375.405+/-264.996 χ^2/NDF: 42.9/38



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 955.148+/-0.539 χ^2/NDF:88555.3/1

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 949.483+/-0.516 χ^2/NDF:38431.6/1

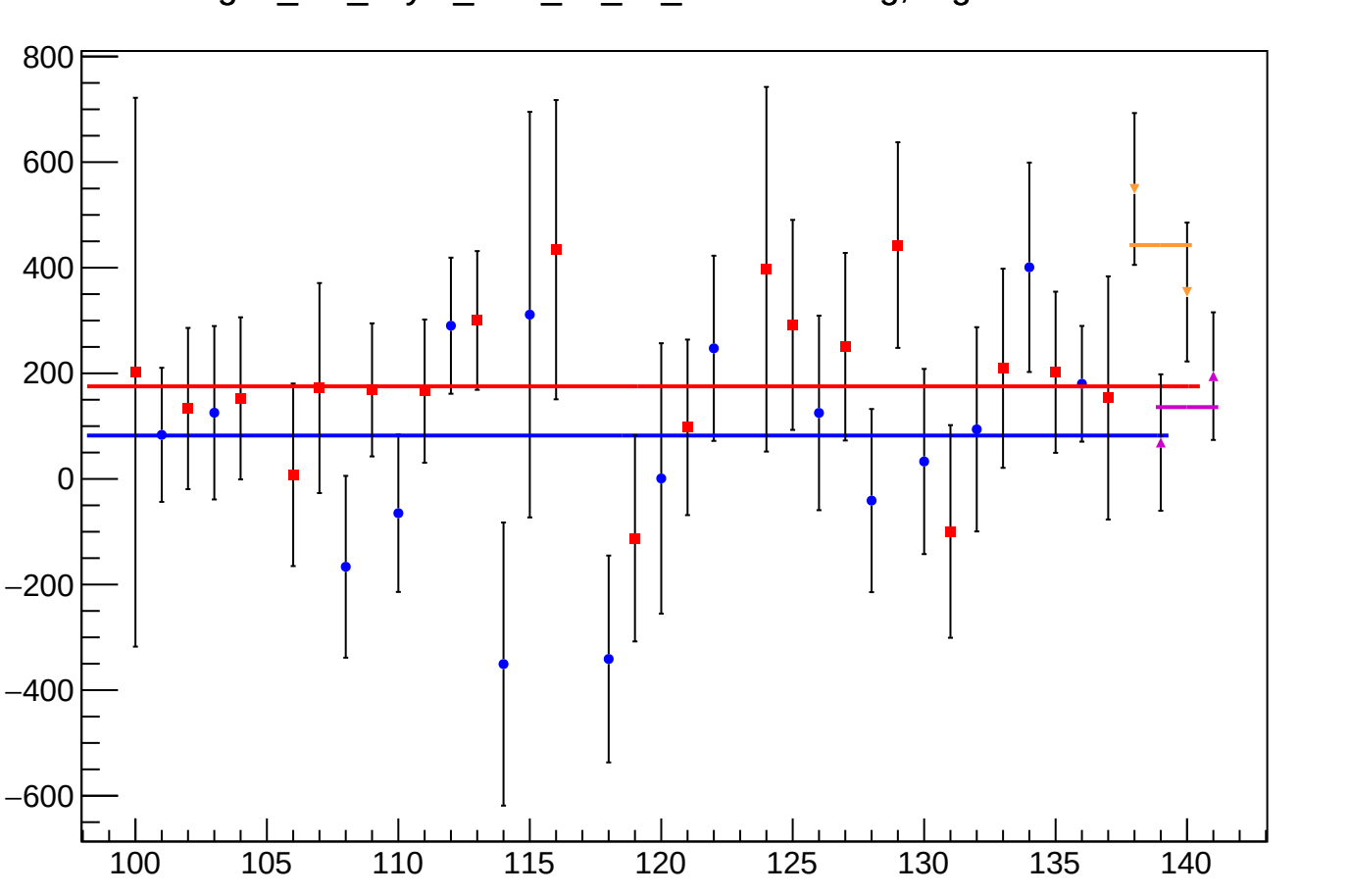
Left: 952.190+/-0.373 χ^2/NDF: 127044.4/3

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1102.793+/-0.268 χ^2/NDF:843143.4/17

Out: 1080.460+/-0.262 χ^2/NDF:962388.7/20

All: 1091.364+/-0.187 χ^2/NDF: 1809081.7/38



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 442.870+/-97.036 χ^2/NDF:1.0/1

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 136.008+/-88.249 χ^2/NDF:0.5/1

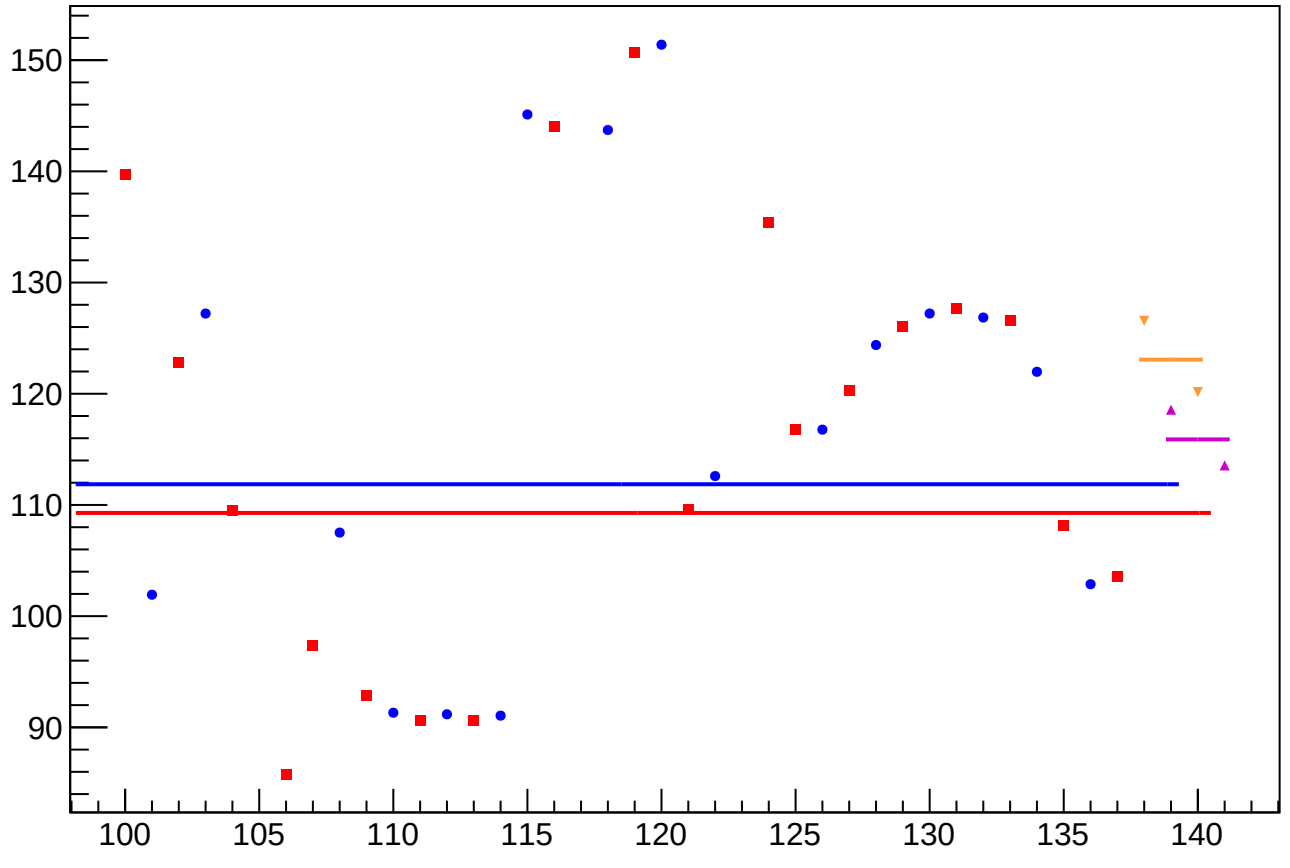
Left: 274.919+/-65.288 χ^2/NDF: 7.0/3

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 92.176+/-38.022 χ^2/NDF:19.2/17

Out: 215.326+/-37.515 χ^2/NDF:17.4/20

All: 154.577+/-26.705 χ^2/NDF: 41.9/38



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 123.067+/-0.069 χ^2/NDF:2159.5/1

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 115.895+/-0.062 χ^2/NDF:1606.7/1

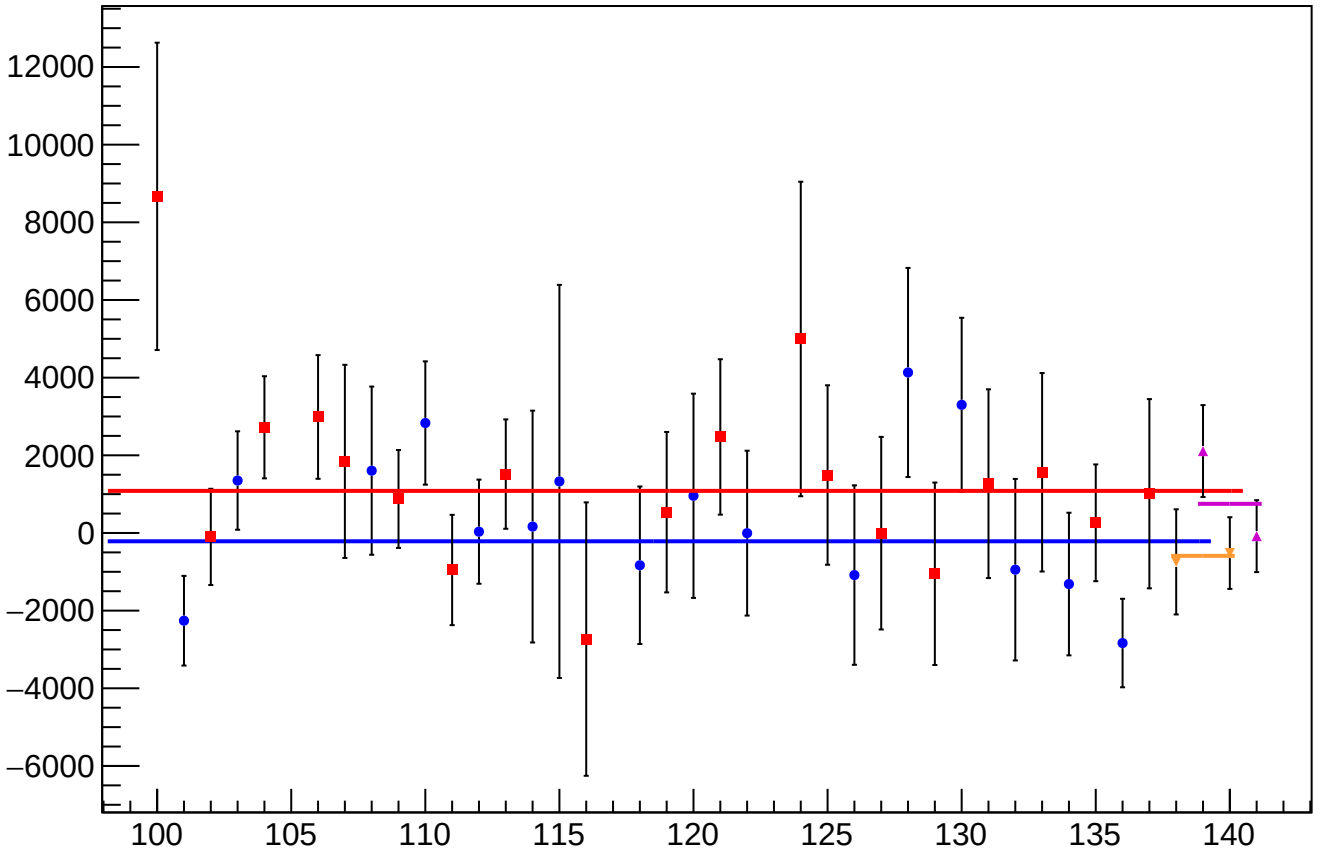
Left: 119.142+/-0.046 χ^2/NDF: 9746.3/3

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 112.611+/-0.027 χ^2/NDF:311032.8/17

Out: 111.344+/-0.027 χ^2/NDF:407190.2/20

All: 111.969+/-0.019 χ^2/NDF: 719347.3/38



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -589.228+/-762.605 χ^2/NDF:0.0/1

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 750.574+/-729.501 χ^2/NDF:2.1/1

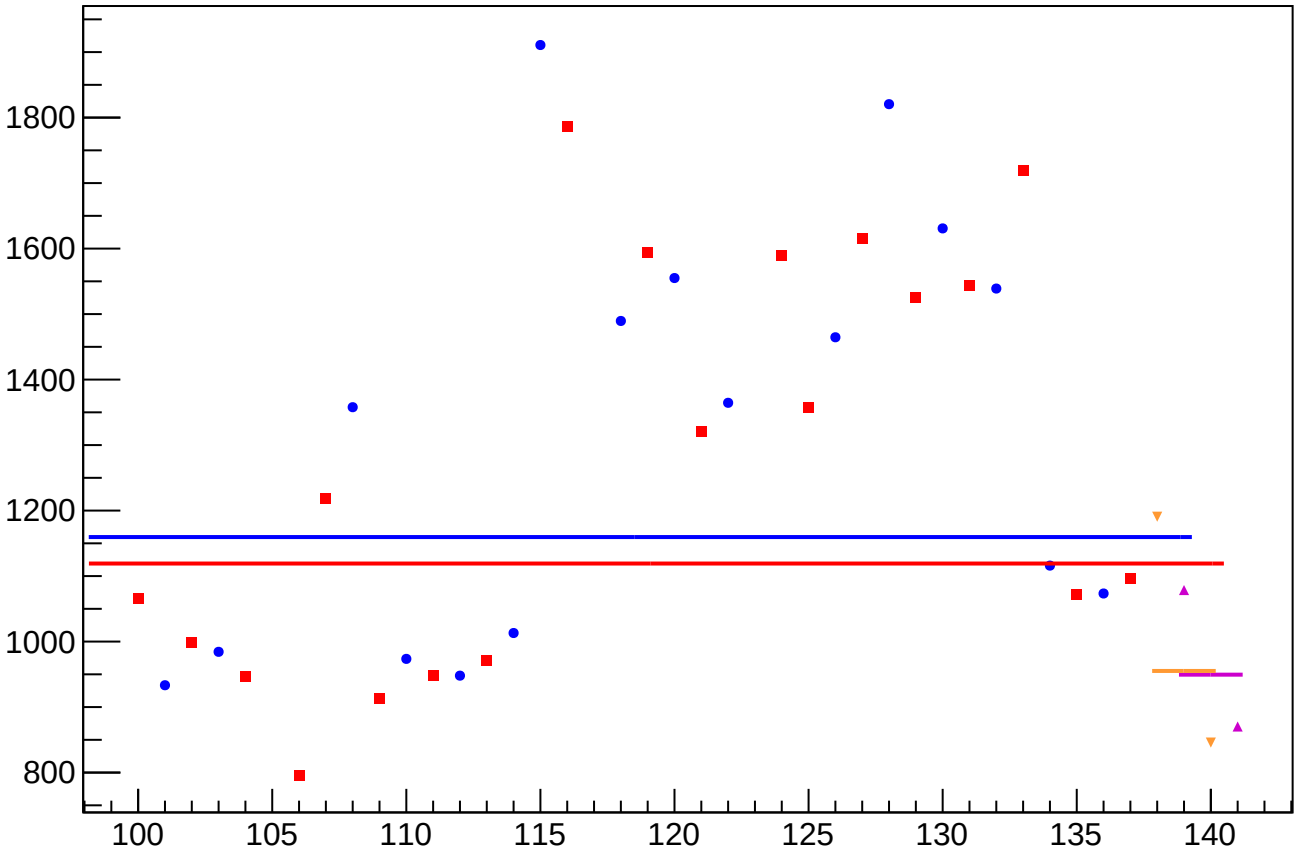
Left: 110.383+/-527.150 χ^2/NDF: 3.8/3

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 46.497+/-379.253 χ^2/NDF:23.8/17

Out: 689.177+/-370.424 χ^2/NDF:17.6/20

All: 375.405+/-264.996 χ^2/NDF: 42.9/38



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 955.148+/-0.539 χ^2/NDF:88555.3/1

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 949.483+/-0.516 χ^2/NDF:38431.6/1

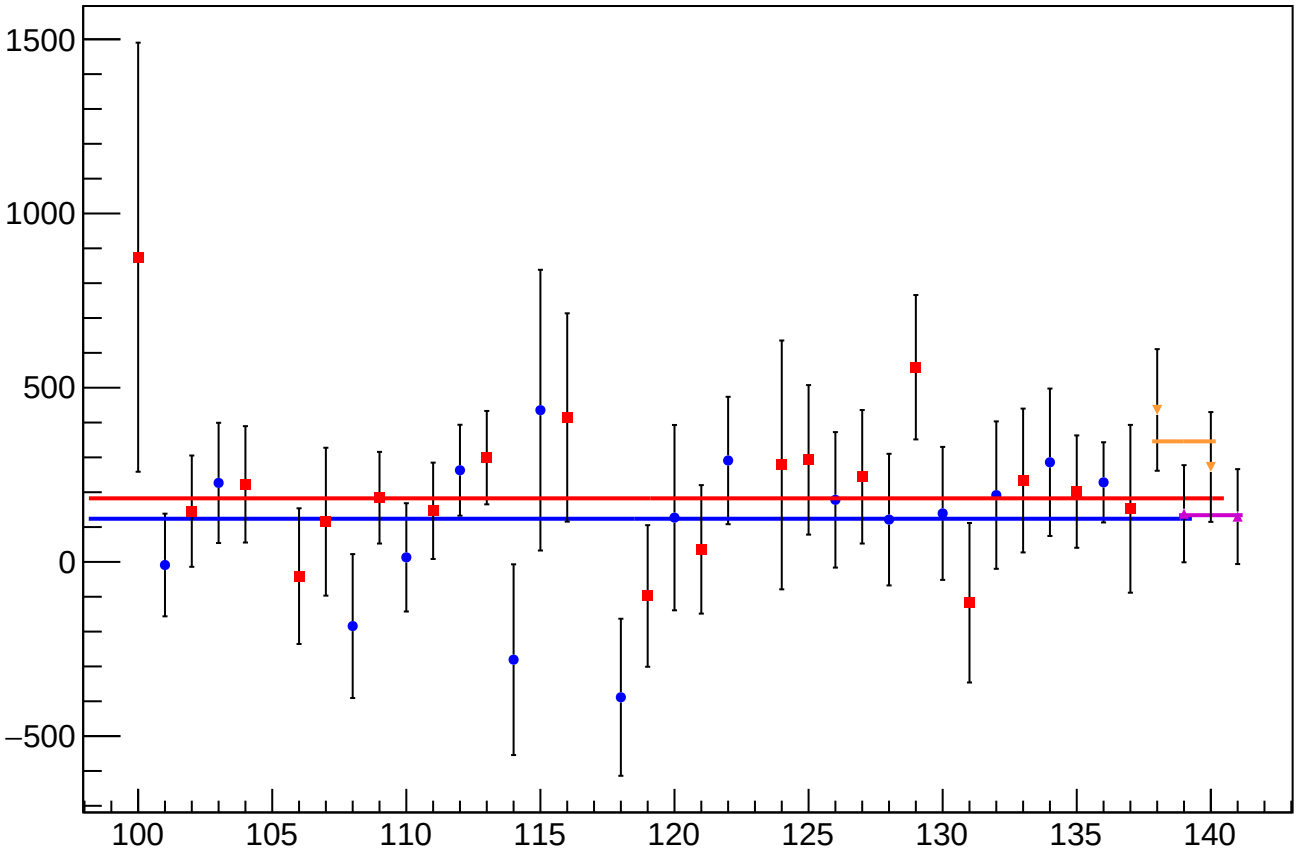
Left: 952.190+/-0.373 χ^2/NDF: 127044.4/3

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1102.793+/-0.268 χ^2/NDF:843143.4/17

Out: 1080.460+/-0.262 χ^2/NDF:962388.7/20

All: 1091.364+/-0.187 χ^2/NDF: 1809081.7/38



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 345.986+/-116.950 χ^2/NDF:0.5/1

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 134.094+/-97.422 χ^2/NDF:0.0/1

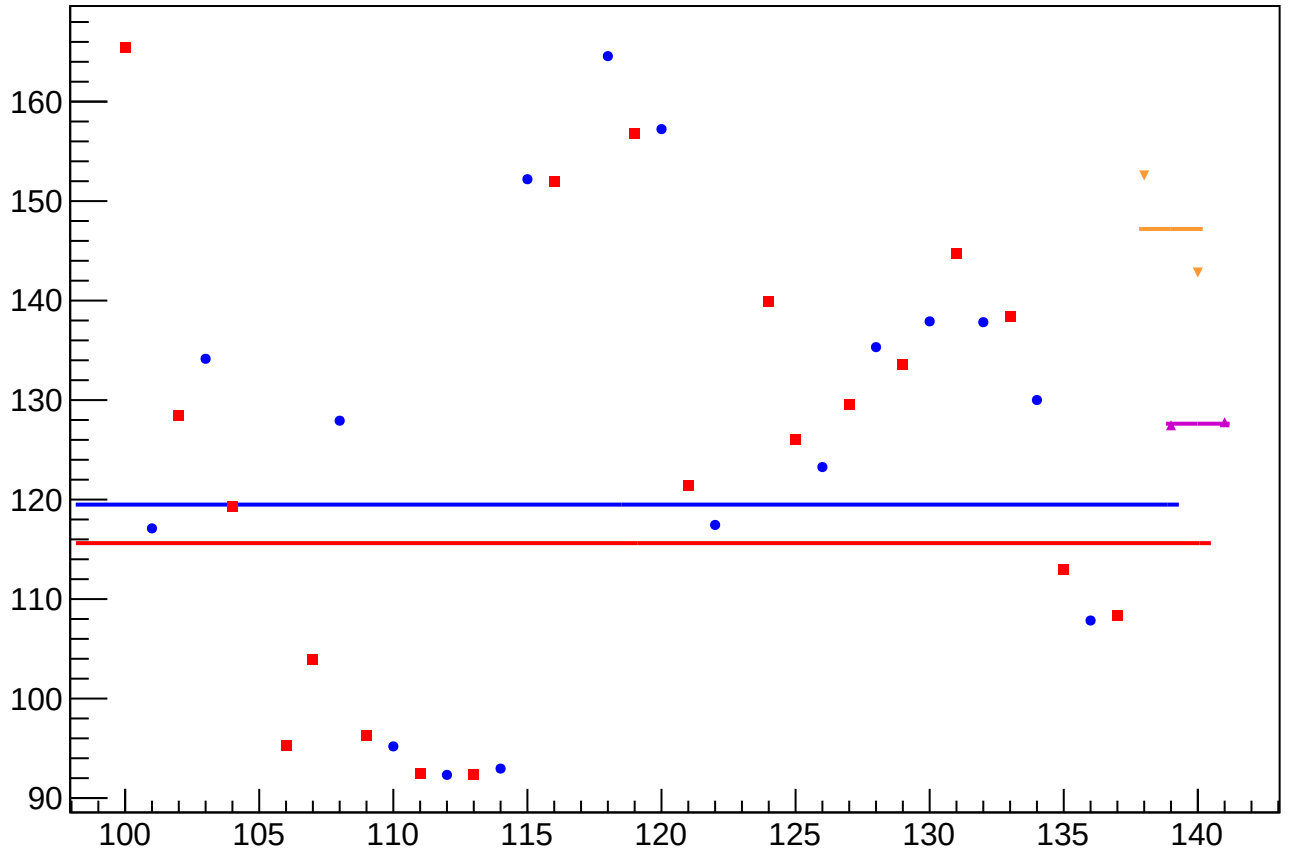
Left: 220.896+/-74.853 χ^2/NDF: 2.4/3

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 125.702+/-41.030 χ^2/NDF:15.4/17

Out: 202.120+/-40.544 χ^2/NDF:14.5/20

All: 164.367+/-28.839 χ^2/NDF: 31.7/38



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 147.201+/-0.083 χ^2/NDF:3443.0/1

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 127.626+/-0.069 χ^2/NDF:4.9/1

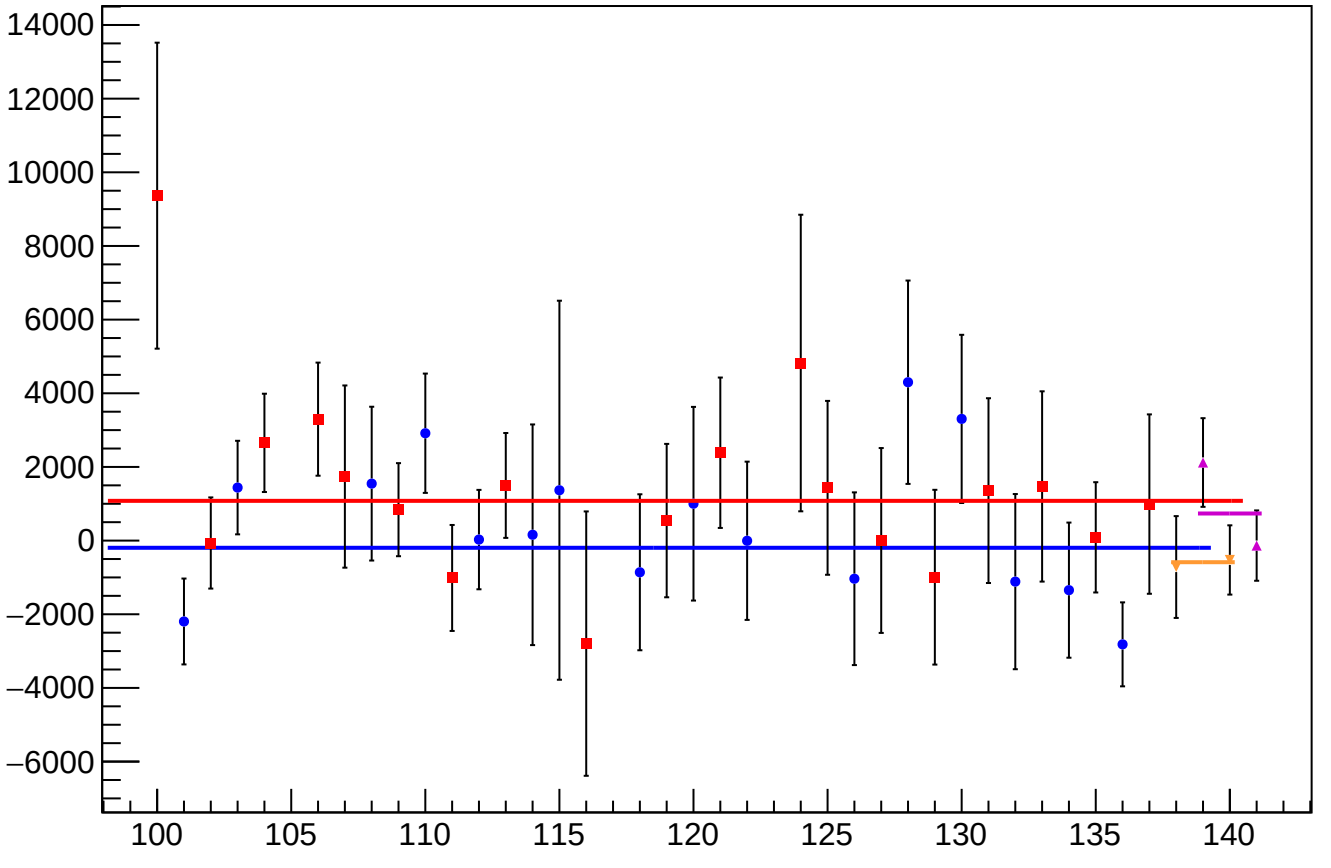
Left: 135.645+/-0.053 χ^2/NDF: 36526.6/3

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 120.937+/-0.029 χ^2/NDF:391716.5/17

Out: 119.417+/-0.029 χ^2/NDF:558702.7/20

All: 120.168+/-0.020 χ^2/NDF: 951807.6/38



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -586.453+/-777.613 χ^2/NDF:0.0/1

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 735.814+/-748.081 χ^2/NDF:2.2/1

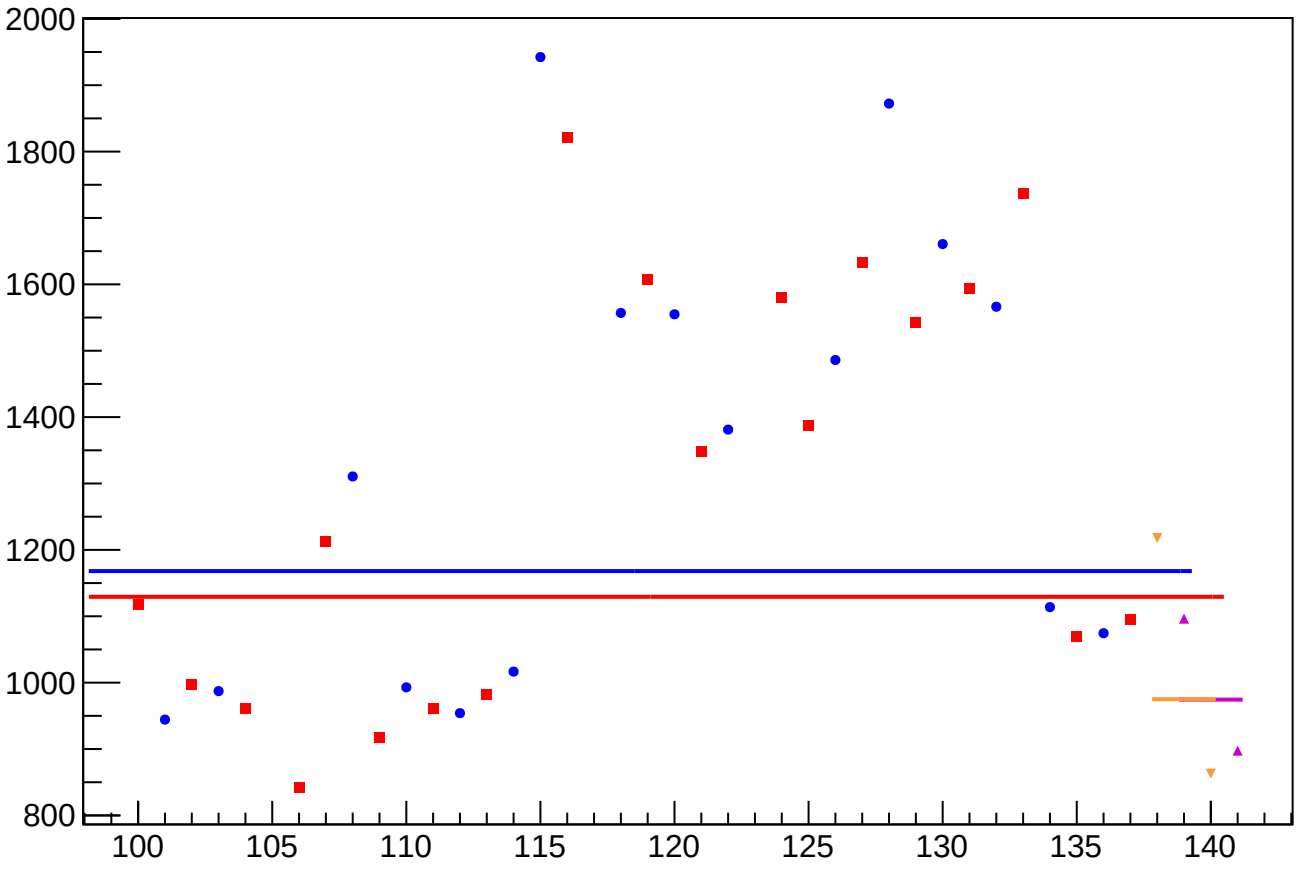
Left: 100.265+/-539.111 χ^2/NDF: 3.7/3

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 50.106+/-383.928 χ^2/NDF:23.7/17

Out: 694.920+/-373.576 χ^2/NDF:18.1/20

All: 381.323+/-267.743 χ^2/NDF: 43.3/38



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 975.084+/-0.550 χ^2/NDF:90151.2/1

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 974.437+/-0.529 χ^2/NDF:33503.2/1

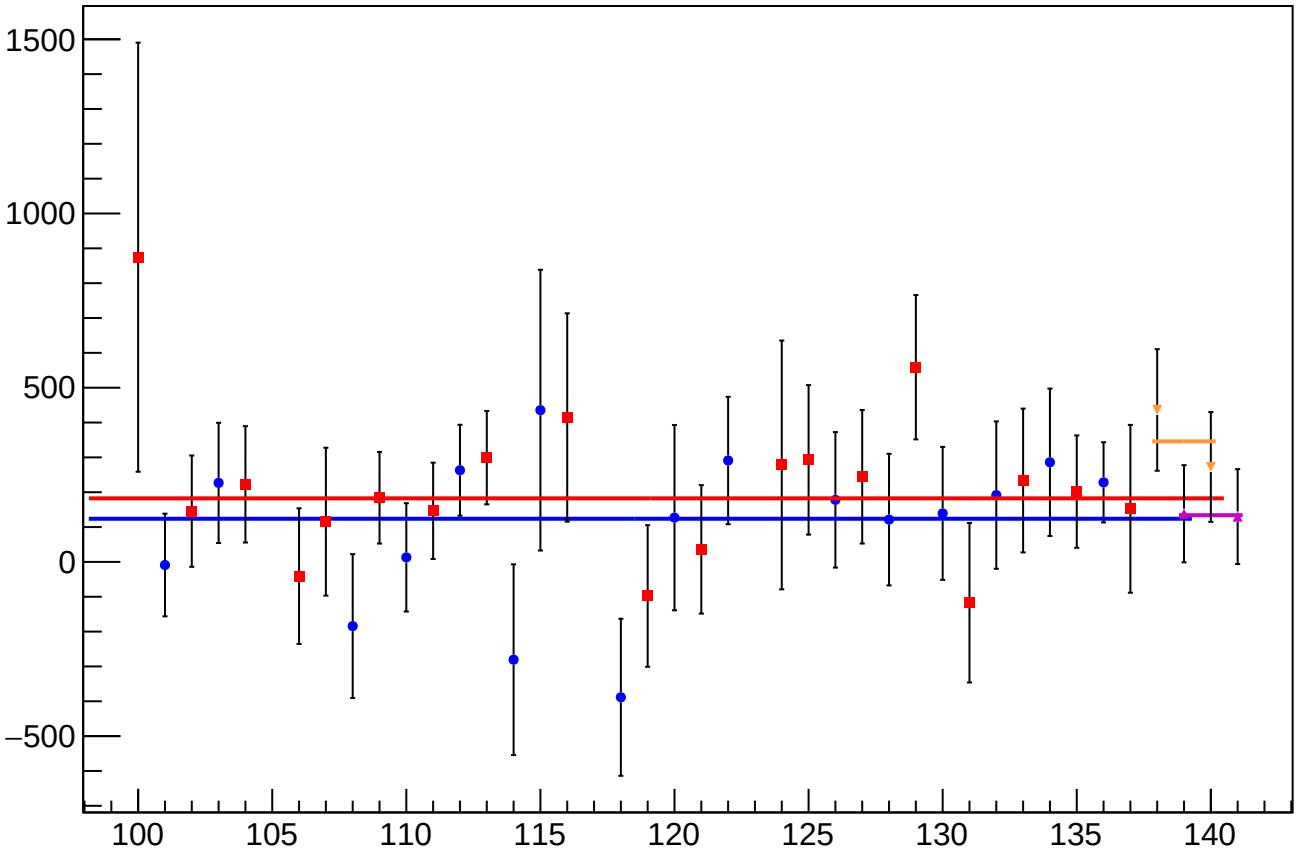
Left: 974.748+/-0.381 χ^2/NDF: 123655.1/3

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1117.063+/-0.271 χ^2/NDF:841561.5/17

Out: 1093.720+/-0.264 χ^2/NDF:957893.6/20

All: 1105.073+/-0.189 χ^2/NDF: 1803253.0/38



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 345.990+/-116.950 χ^2/NDF:0.5/1

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 134.093+/-97.421 χ^2/NDF:0.0/1

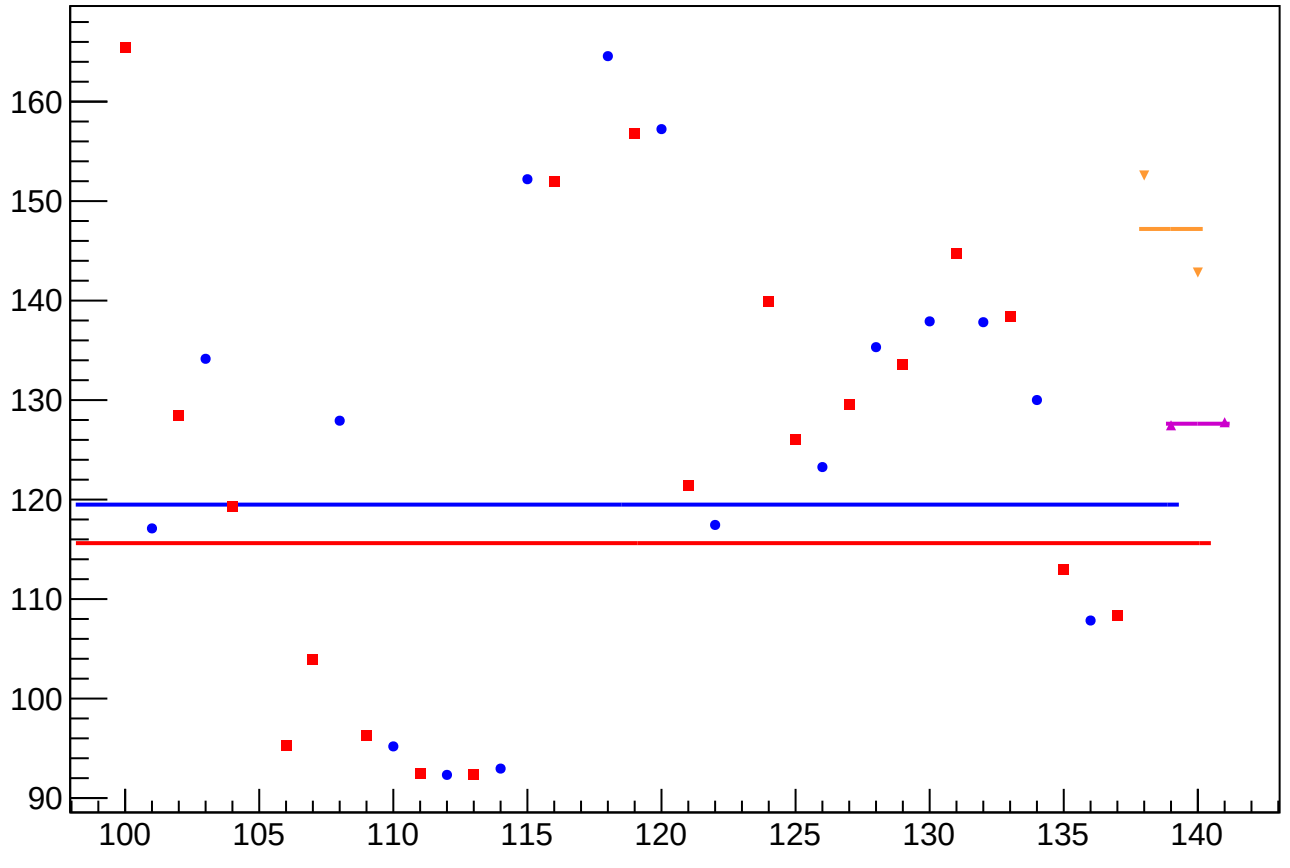
Left: 220.897+/-74.853 χ^2/NDF: 2.4/3

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 125.704+/-41.030 χ^2/NDF:15.4/17

Out: 202.120+/-40.544 χ^2/NDF:14.5/20

All: 164.368+/-28.839 χ^2/NDF: 31.7/38



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 147.201+/-0.083 χ^2/NDF:3442.6/1

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 127.626+/-0.069 χ^2/NDF:5.0/1

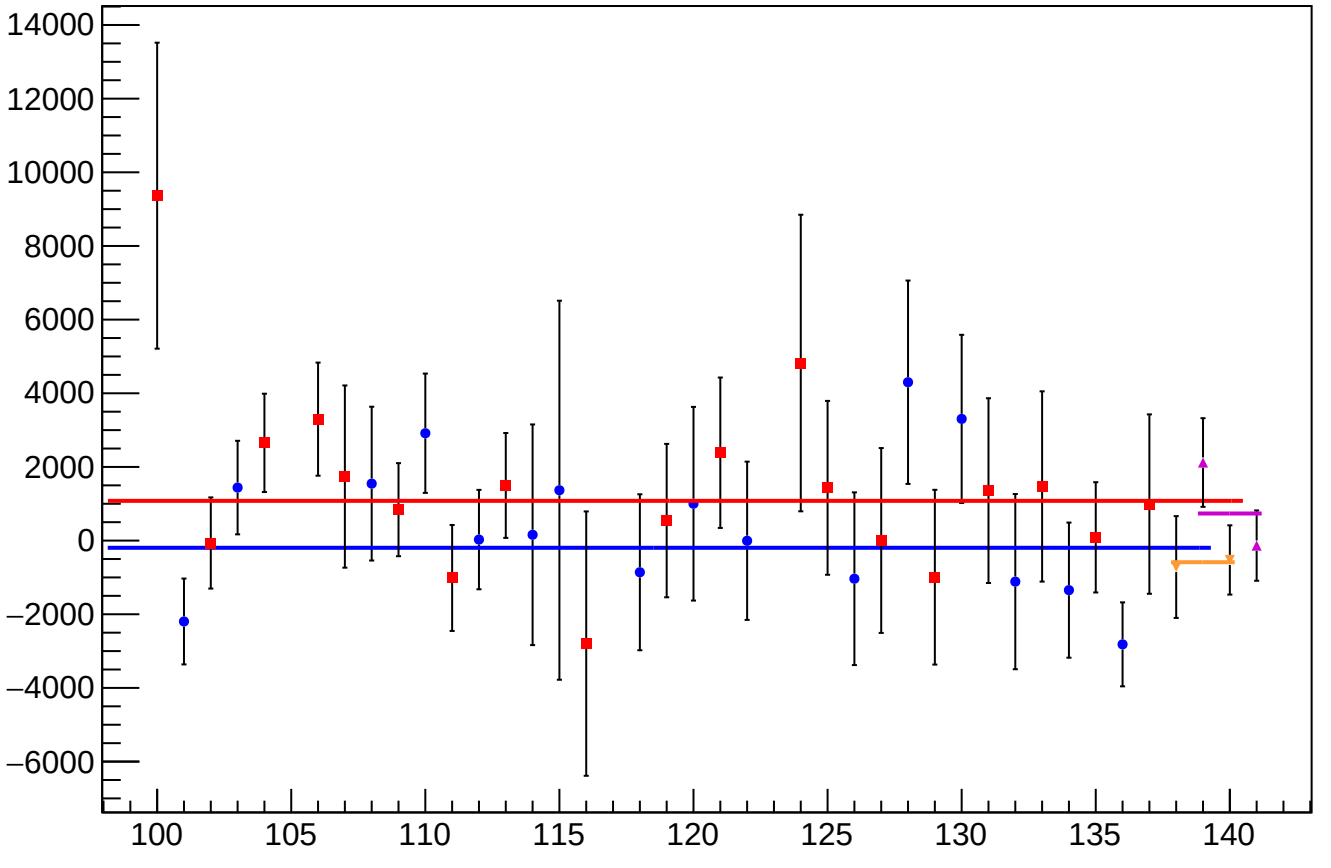
Left: 135.645+/-0.053 χ^2/NDF: 36526.6/3

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 120.937+/-0.029 χ^2/NDF:391719.6/17

Out: 119.417+/-0.029 χ^2/NDF:558707.1/20

All: 120.168+/-0.020 χ^2/NDF: 951815.2/38



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -586.451+/-777.612 χ^2/NDF:0.0/1

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 735.814+/-748.080 χ^2/NDF:2.2/1

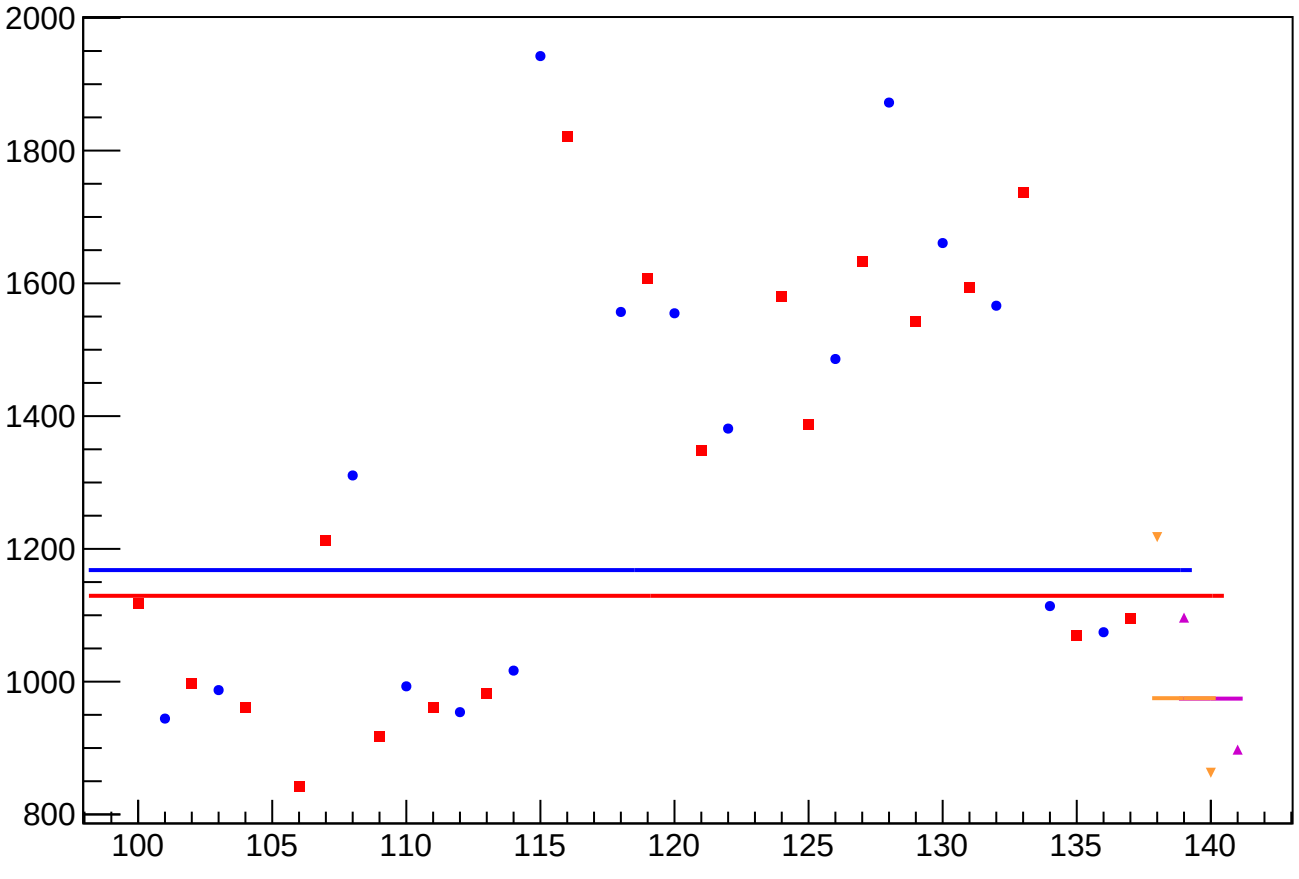
Left: 100.266+/-539.110 χ^2/NDF: 3.7/3

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 50.106+/-383.928 χ^2/NDF:23.7/17

Out: 694.919+/-373.576 χ^2/NDF:18.1/20

All: 381.323+/-267.743 χ^2/NDF: 43.3/38



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 975.081+/-0.550 χ^2/NDF:90151.3/1

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 974.436+/-0.529 χ^2/NDF:33503.9/1

Left: 974.746+/-0.381 χ^2/NDF: 123656.0/3

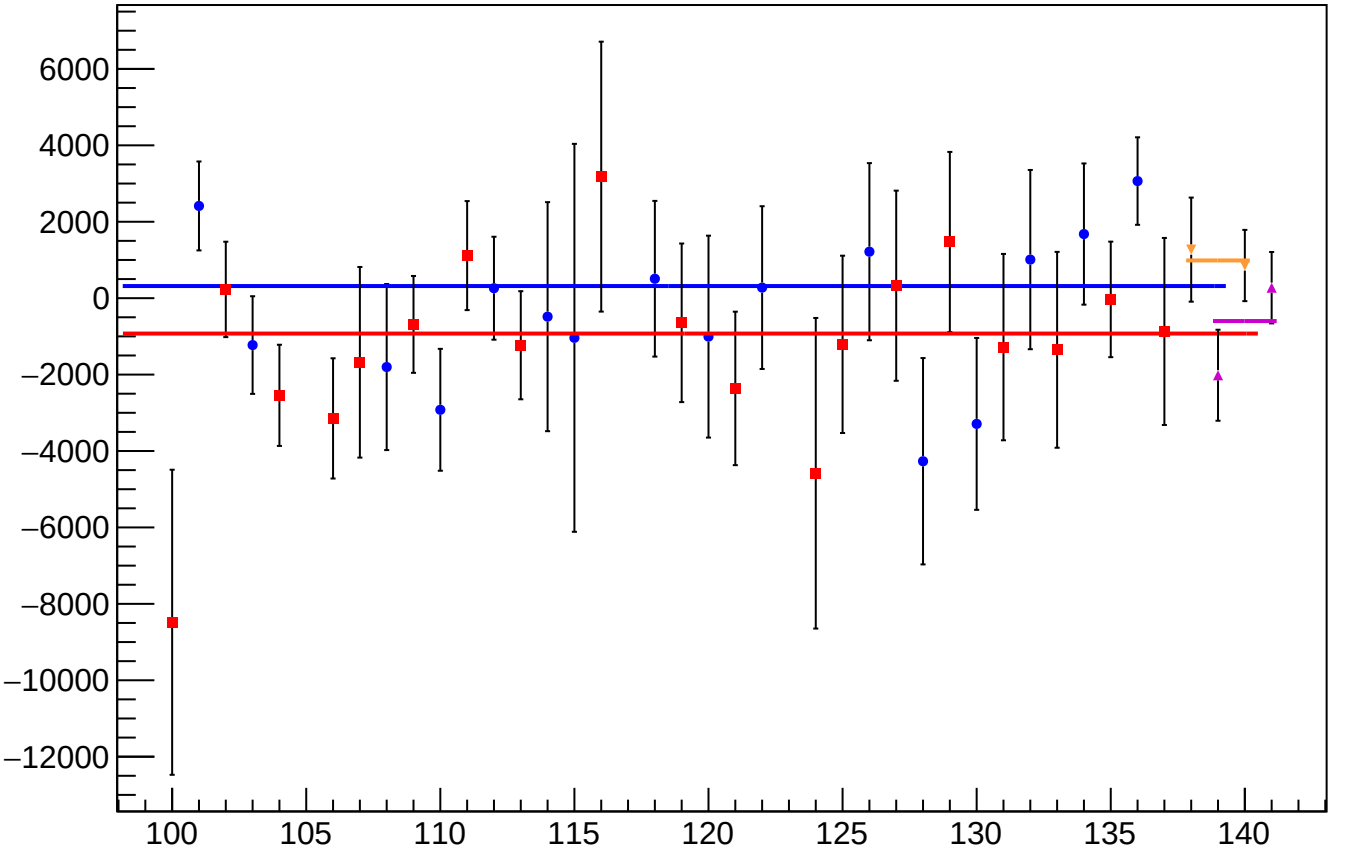
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1117.063+/-0.271 χ^2/NDF:841565.5/17

Out: 1093.719+/-0.264 χ^2/NDF:957896.8/20

All: 1105.072+/-0.189 χ^2/NDF: 1803260.3/38

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 987.456+/-769.376 χ^2/NDF:0.1/1

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -598.439+/-735.093 χ^2/NDF:2.3/1

Left: 158.389+/-531.496 χ^2/NDF: 4.6/3

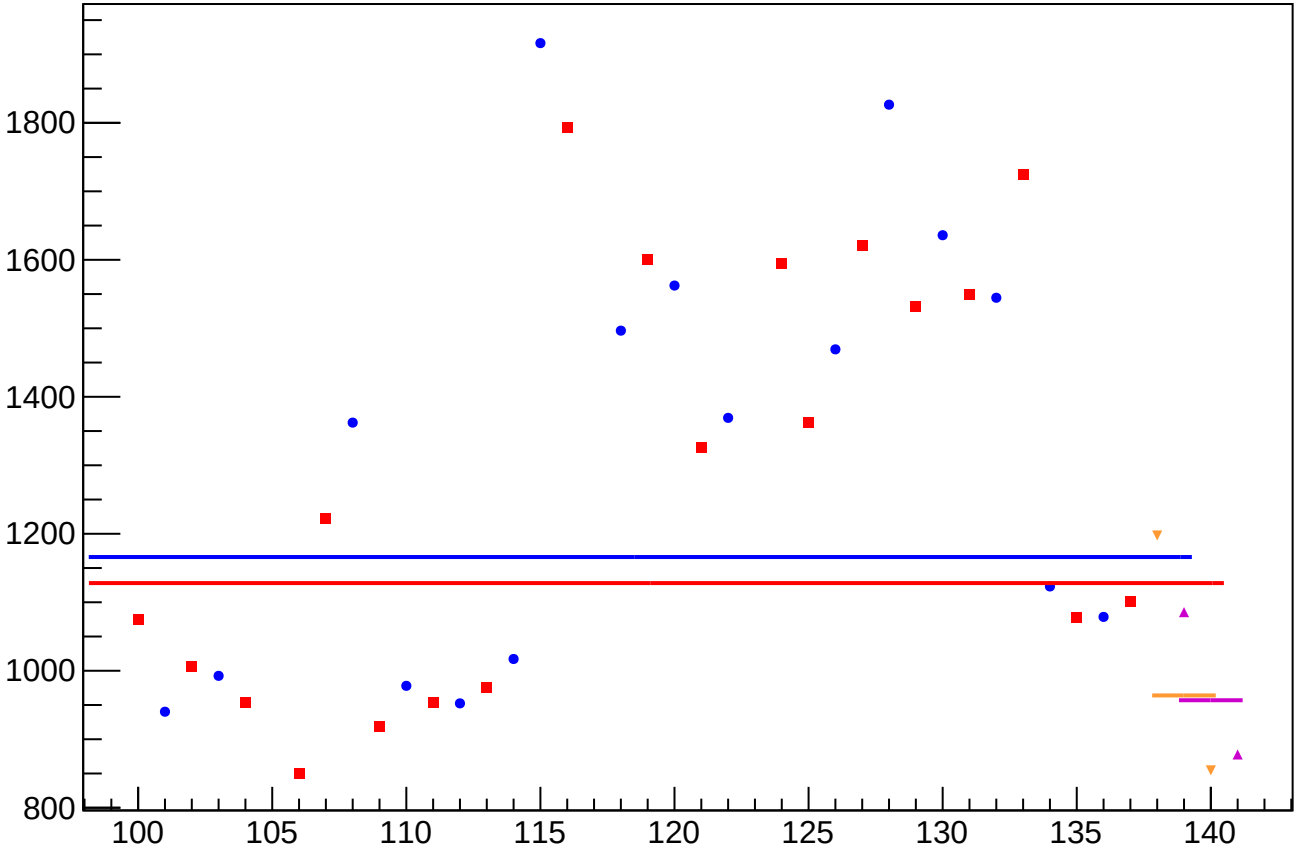
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 70.676+/-381.519 χ^2/NDF:25.6/17

Out: -478.010+/-372.286 χ^2/NDF:19.3/20

All: -210.386+/-266.450 χ^2/NDF: 46.0/38

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 963.983+/-0.544 χ^2/NDF:86333.4/1

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 956.953+/-0.520 χ^2/NDF:37682.9/1

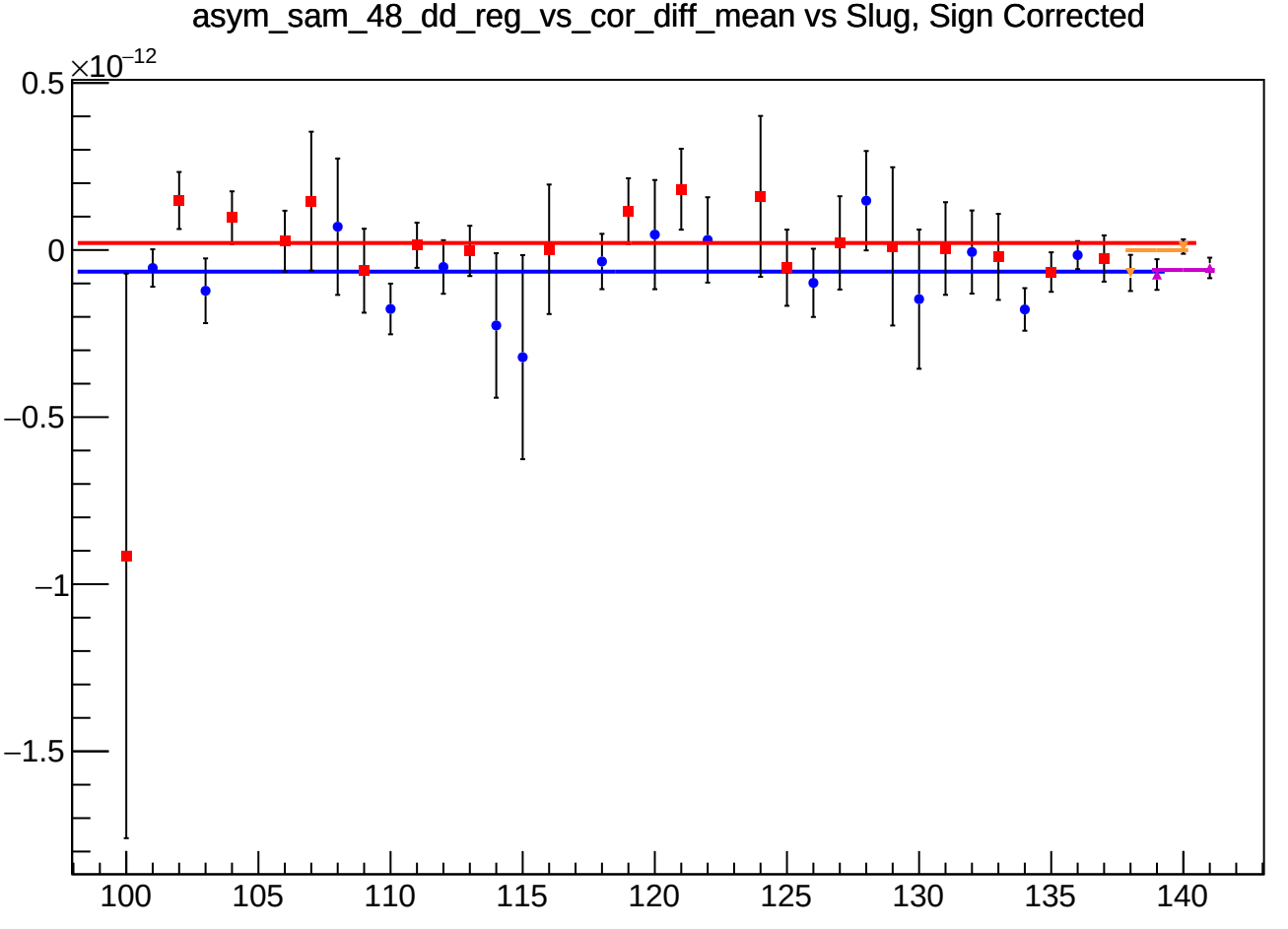
Left: 960.308+/-0.376 χ^2/NDF: 124103.5/3

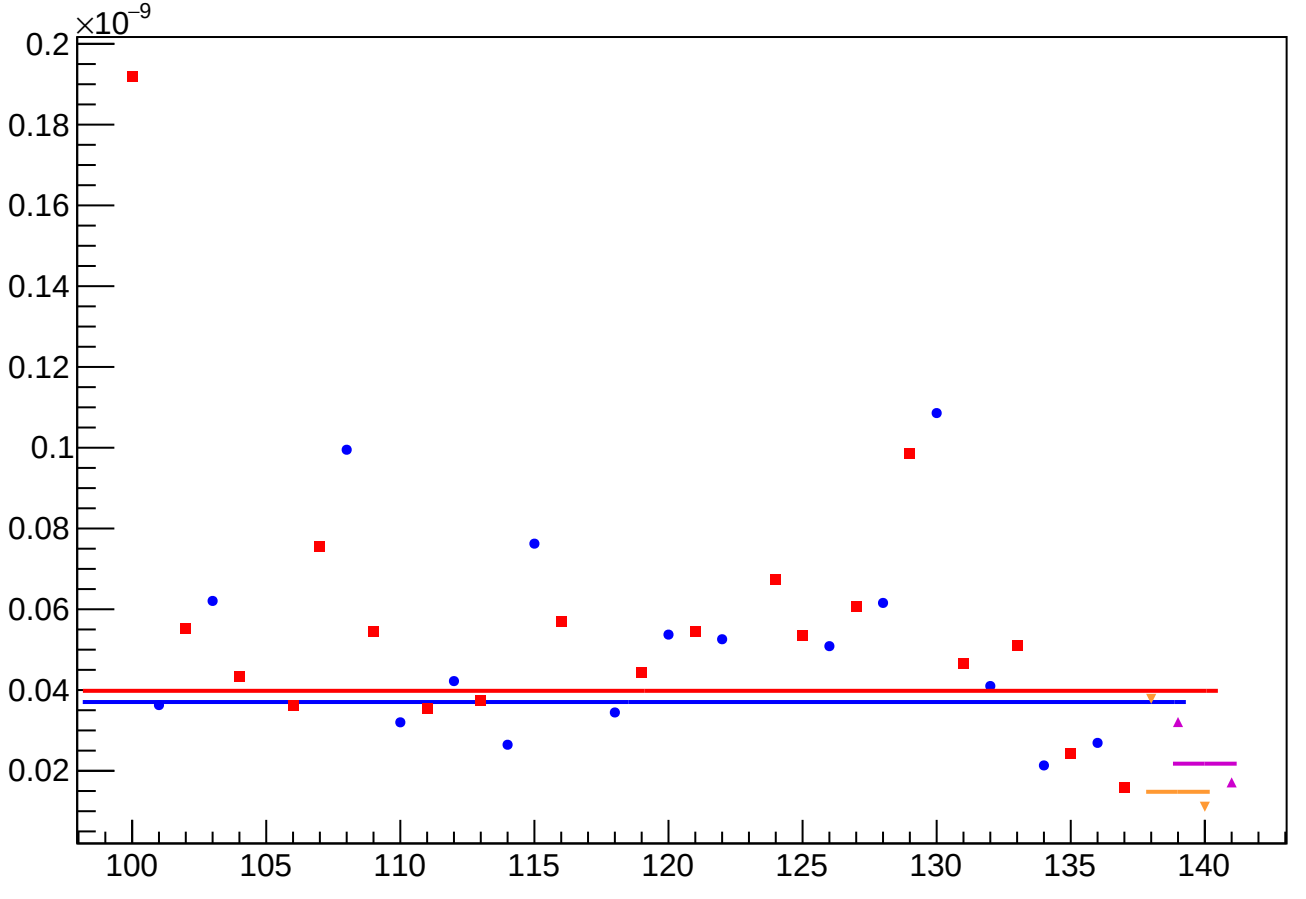
Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1109.731+/-0.270 χ^2/NDF:832986.0/17

Out: 1089.602+/-0.263 χ^2/NDF:931716.5/20

All: 1099.420+/-0.188 χ^2/NDF: 1767554.2/38


asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 12.5/15
Left Out: -0.000+/-0.000 χ²/NDF:1.8/1
Right Out: 0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:0.1/1
Left: -0.000+/-0.000 χ²/NDF: 5.3/3
Right: -0.000+/-0.000 χ²/NDF: 31.3/34
In: -0.000+/-0.000 χ²/NDF:12.6/17
Out: 0.000+/-0.000 χ²/NDF:13.8/20
All: -0.000+/-0.000 χ²/NDF: 36.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:419400.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:146898.7/1

Left: 0.000+/-0.000 χ^2/NDF: 658084.2/3

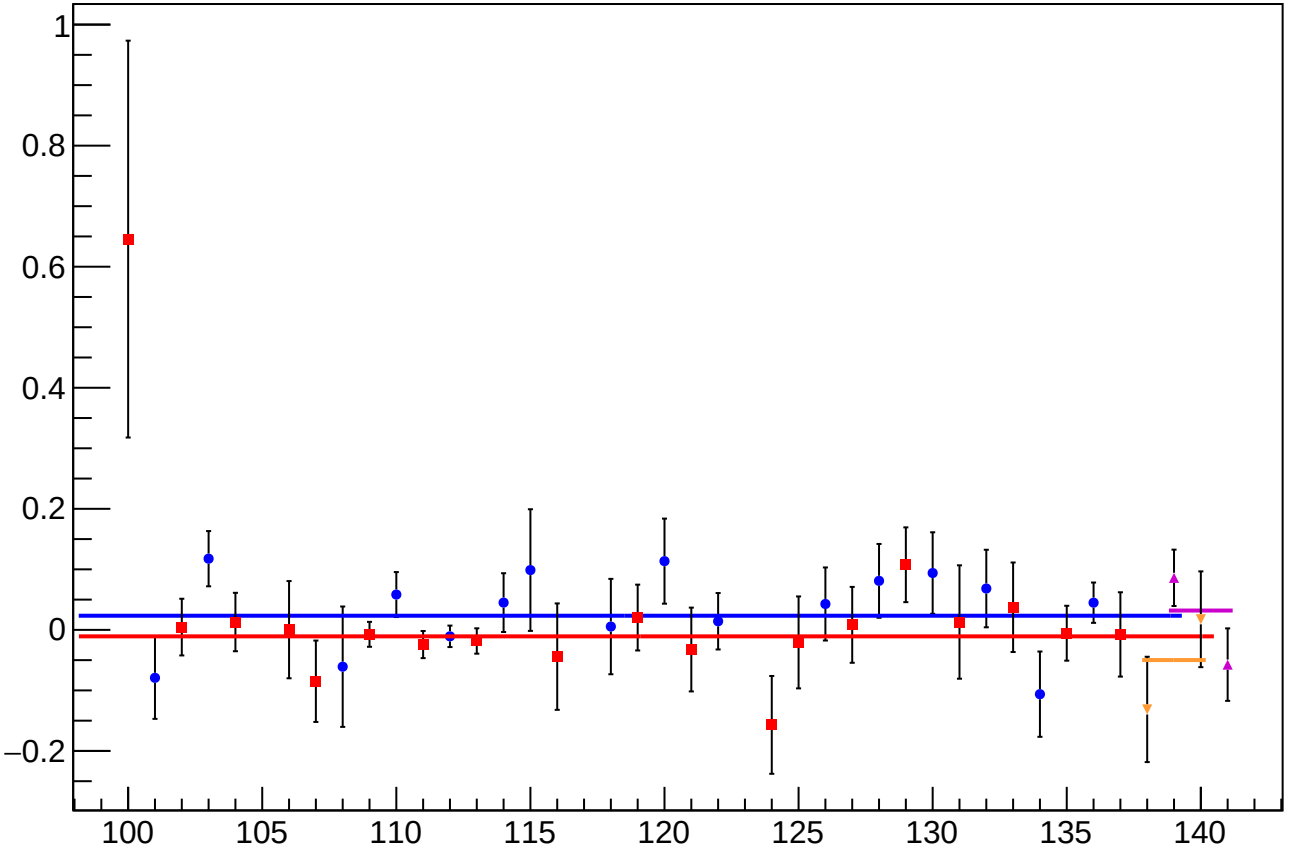
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:1555789.4/17

Out: 0.000+/-0.000 χ^2/NDF:2652994.7/20

All: 0.000+/-0.000 χ^2/NDF: 4306725.8/38

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.050+/-0.059 χ^2/NDF:1.6/1

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.037 χ^2/NDF:3.6/1

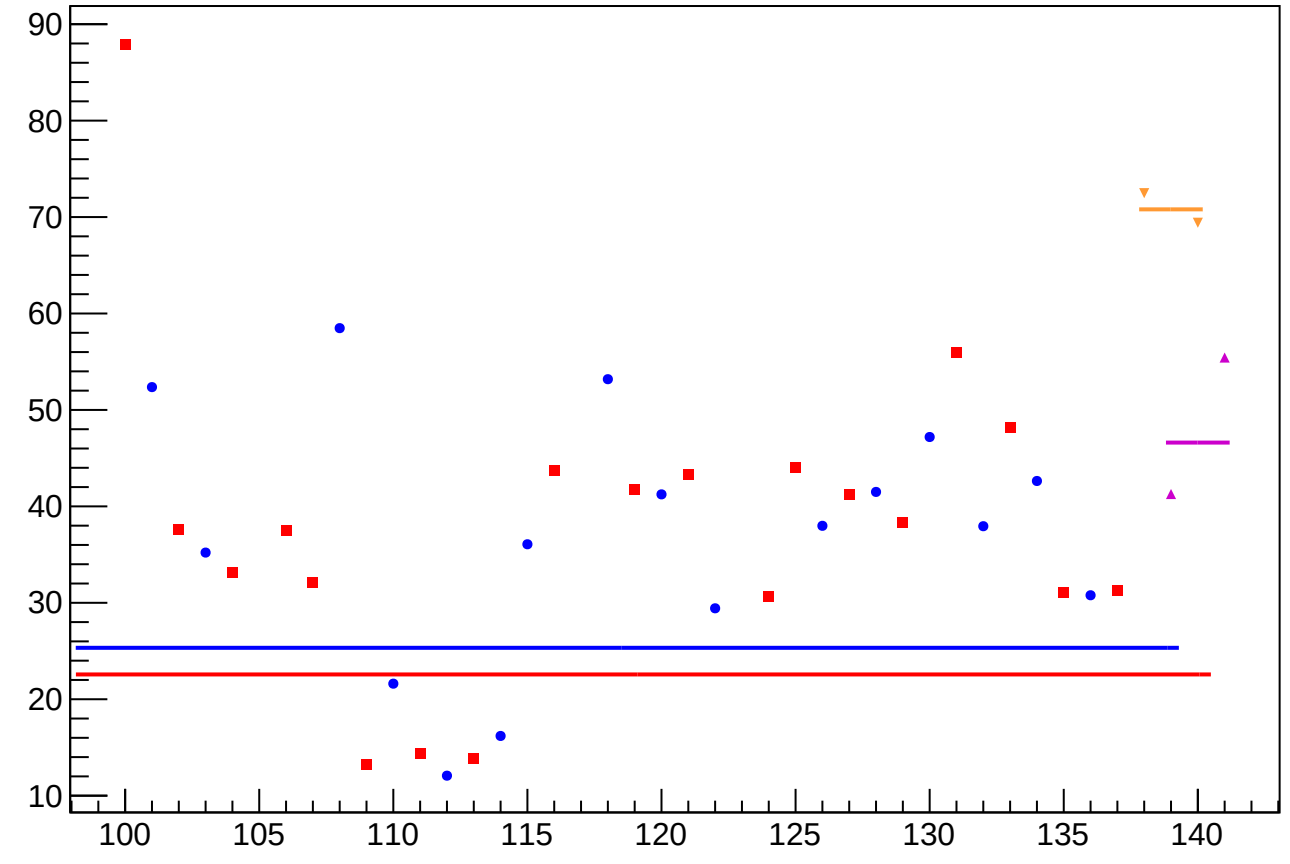
Left: 0.009+/-0.031 χ^2/NDF: 6.6/3

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.024+/-0.011 χ^2/NDF:24.4/17

Out: -0.012+/-0.010 χ^2/NDF:16.3/20

All: 0.005+/-0.007 χ^2/NDF: 46.9/38



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 70.799+/-0.041 χ^2/NDF:1358.7/1

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.615+/-0.026 χ^2/NDF:69603.5/1

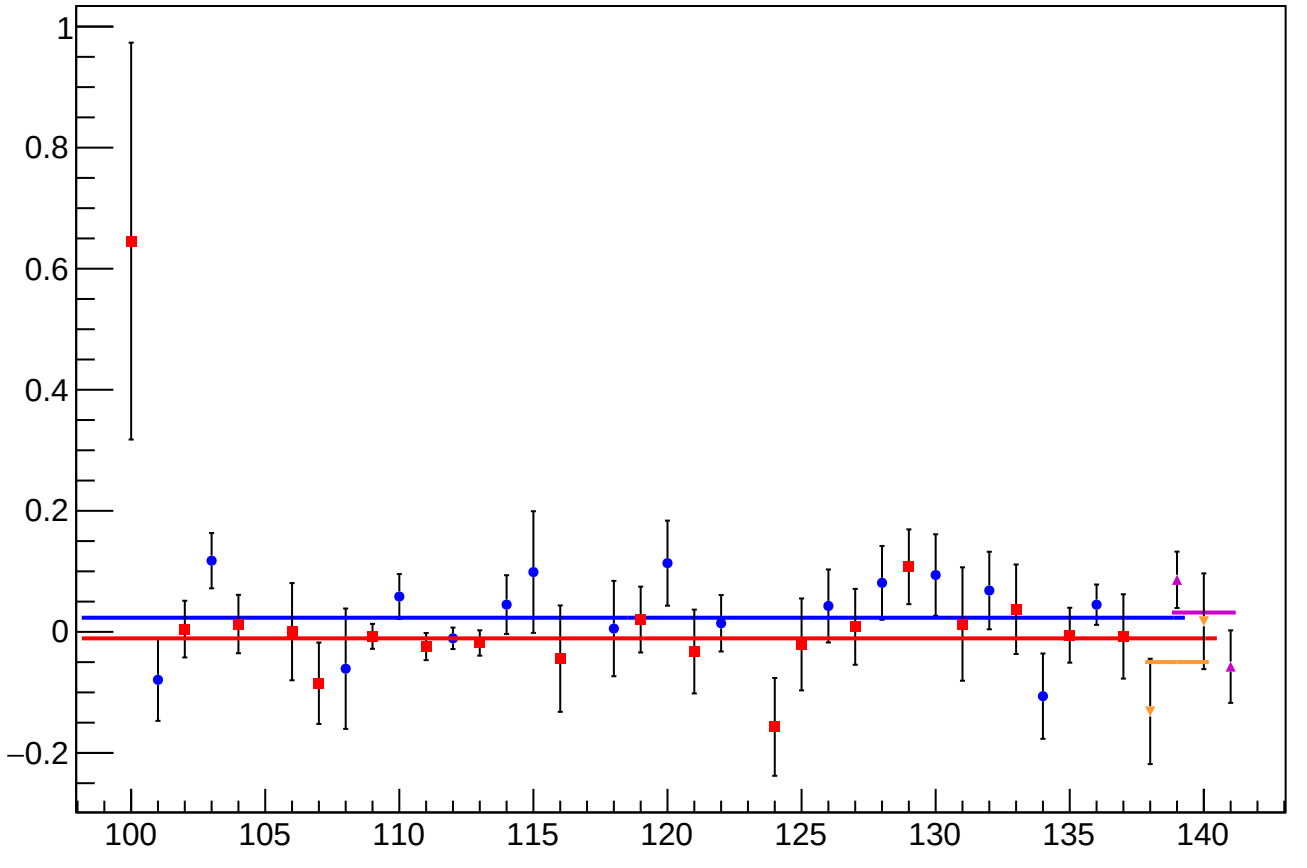
Left: 53.455+/-0.022 χ^2/NDF: 315782.8/3

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 27.103+/-0.007 χ^2/NDF:3609263.2/17

Out: 23.887+/-0.007 χ^2/NDF:4461818.5/20

All: 25.347+/-0.005 χ^2/NDF: 8171596.7/38



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.050+/-0.059 χ^2/NDF:1.6/1

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.037 χ^2/NDF:3.6/1

Left: 0.009+/-0.031 χ^2/NDF: 6.6/3

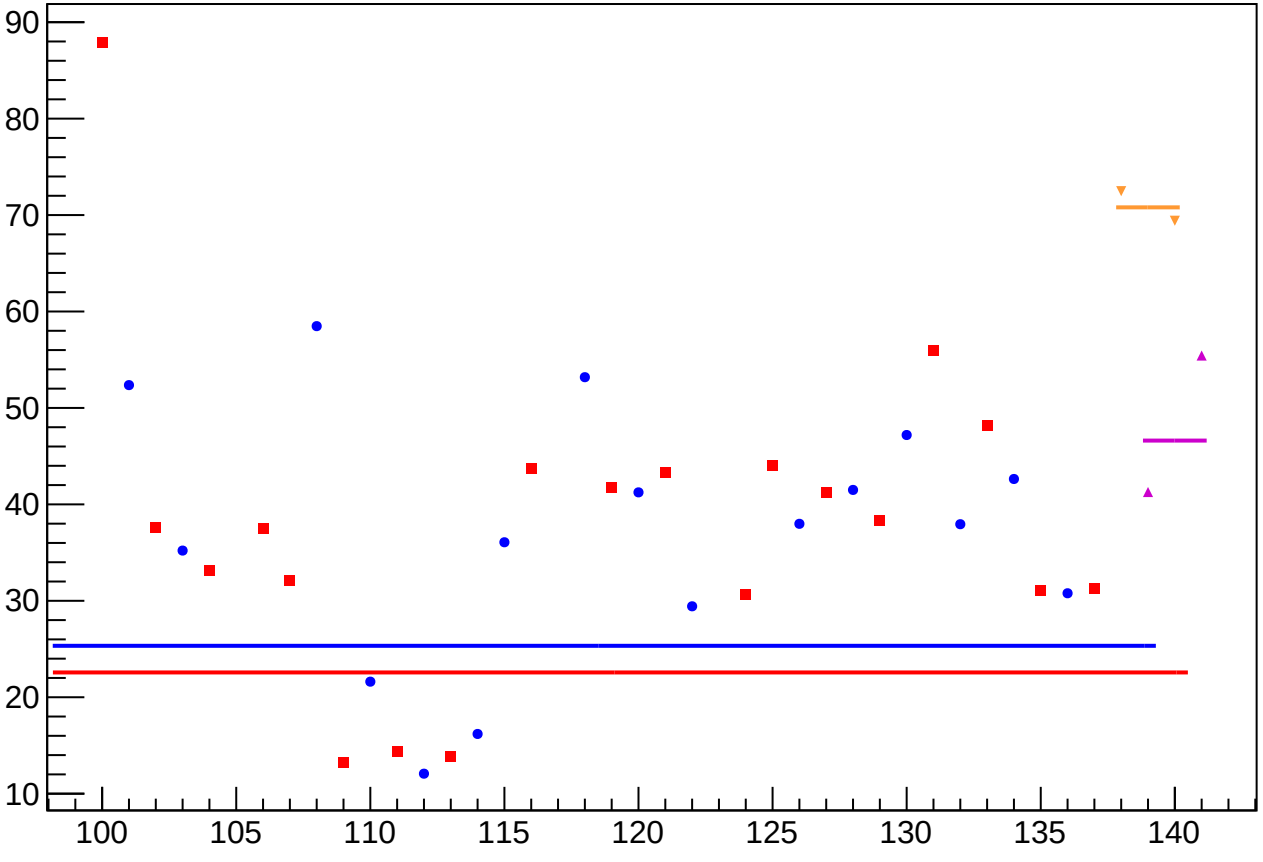
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.024+/-0.011 χ^2/NDF:24.4/17

Out: -0.012+/-0.010 χ^2/NDF:16.3/20

All: 0.005+/-0.007 χ^2/NDF: 46.9/38

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 70.799+/-0.041 χ^2/NDF:1358.7/1

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.615+/-0.026 χ^2/NDF:69603.5/1

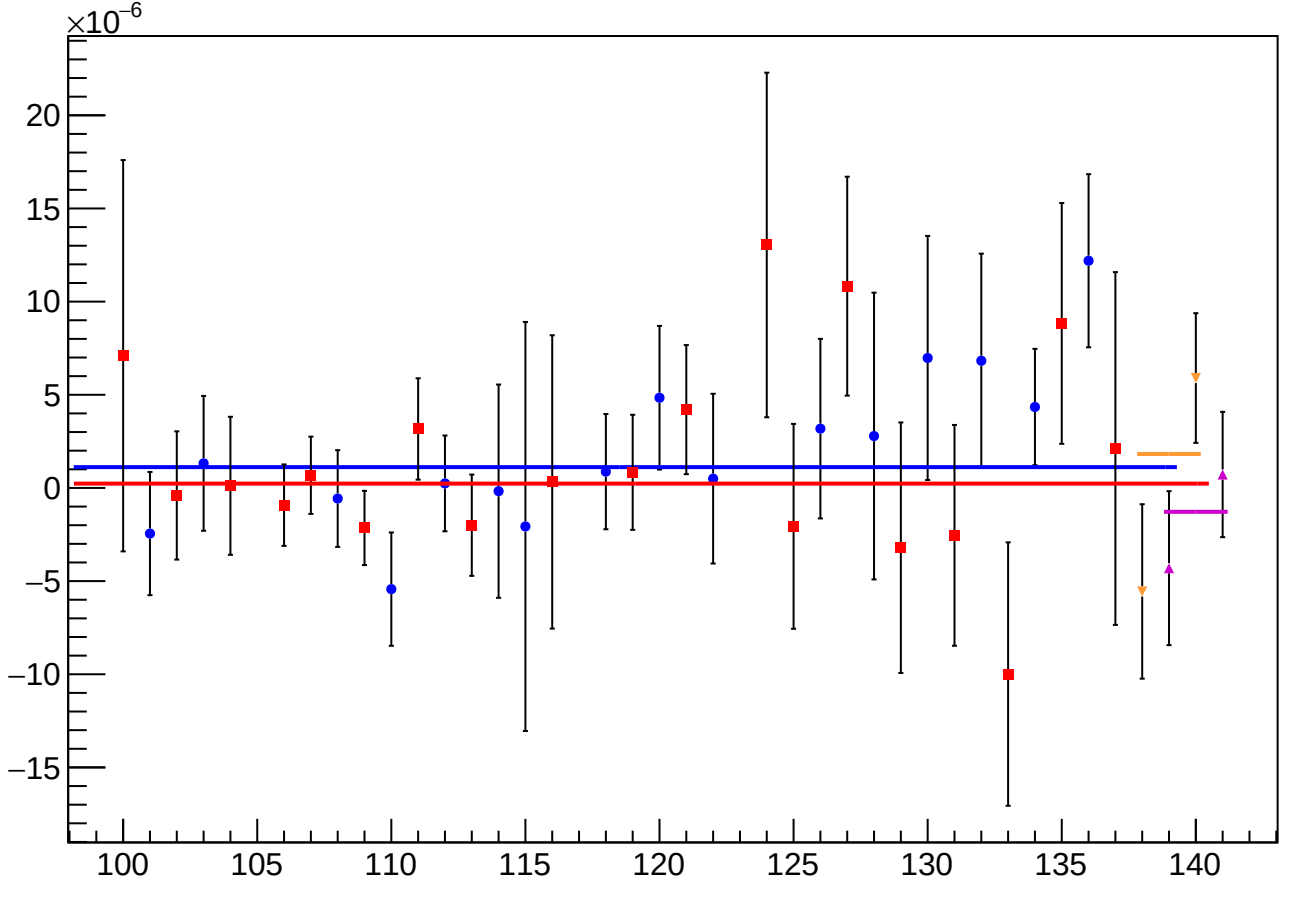
Left: 53.455+/-0.022 χ^2/NDF: 315782.8/3

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 27.103+/-0.007 χ^2/NDF:3609263.2/17

Out: 23.887+/-0.007 χ^2/NDF:4461818.5/20

All: 25.347+/-0.005 χ^2/NDF: 8171596.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

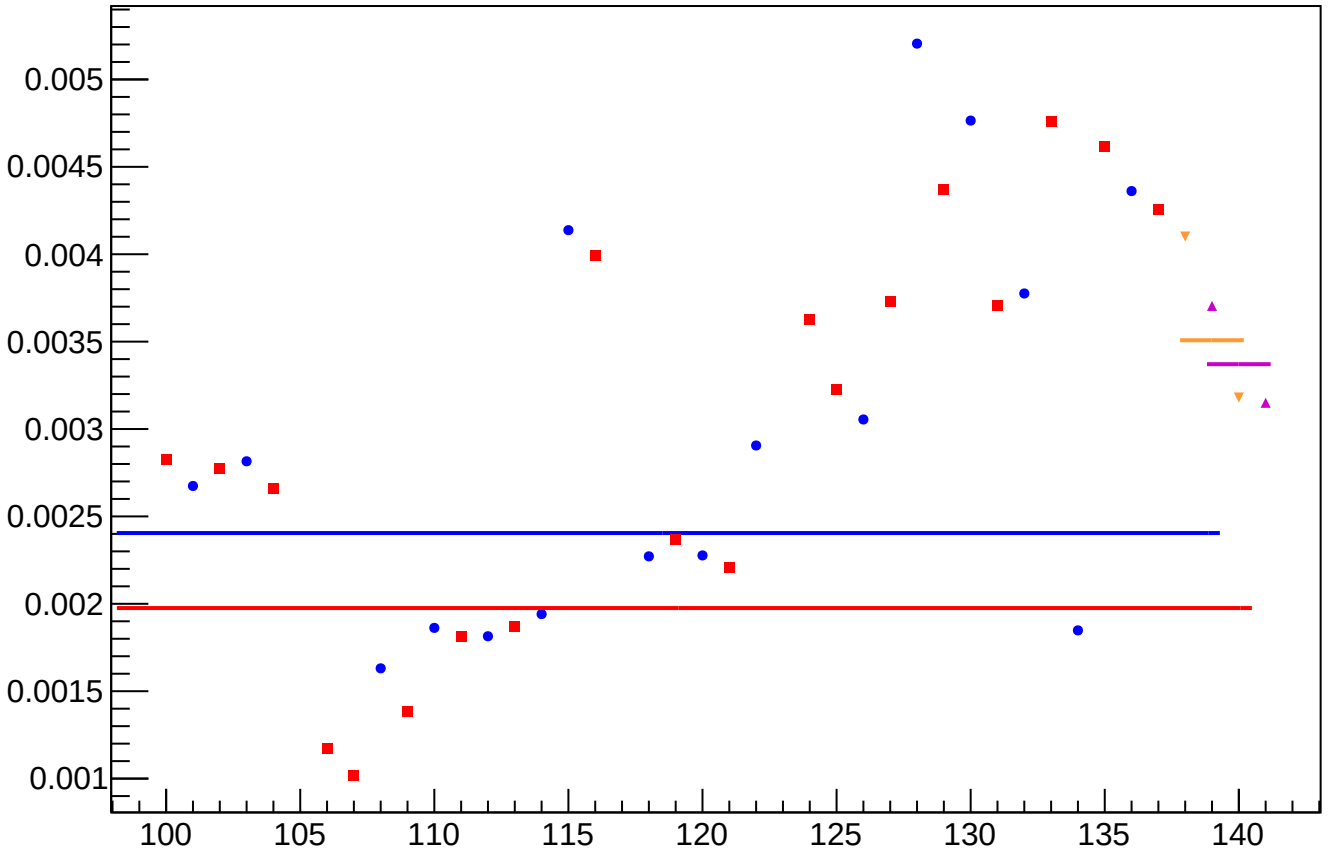
Left: 0.000+/-0.000 χ^2/NDF: 5.4/3

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:17.8/17

Out: 0.000+/-0.000 χ^2/NDF:19.3/20

All: 0.000+/-0.000 χ^2/NDF: 37.3/38



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:49853.3/1

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.003+/-0.000 χ^2/NDF:21644.2/1

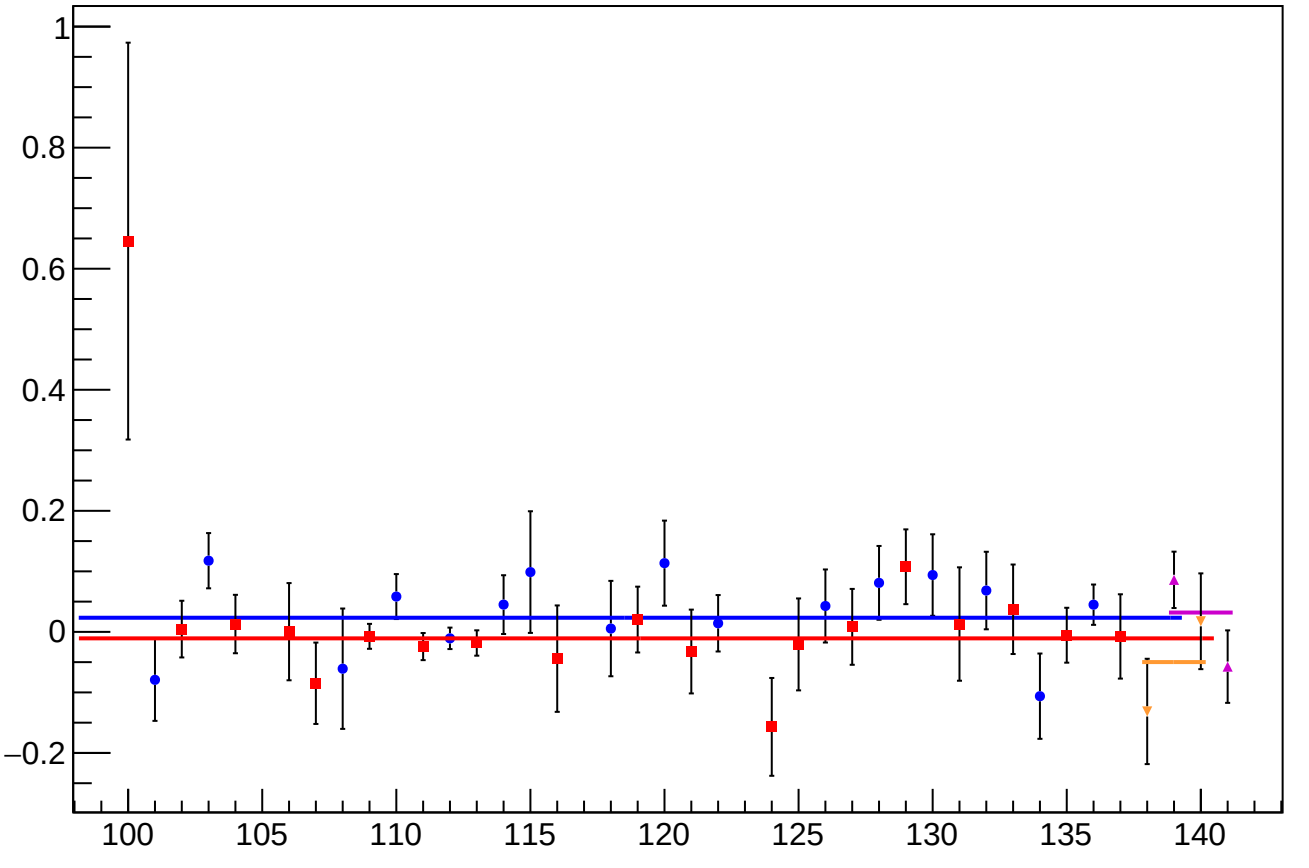
Left: 0.003+/-0.000 χ^2/NDF: 74068.2/3

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.003+/-0.000 χ^2/NDF:1835578.1/17

Out: 0.002+/-0.000 χ^2/NDF:3380234.2/20

All: 0.002+/-0.000 χ^2/NDF: 5469980.5/38



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.050+/-0.059 χ^2/NDF:1.6/1

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.037 χ^2/NDF:3.6/1

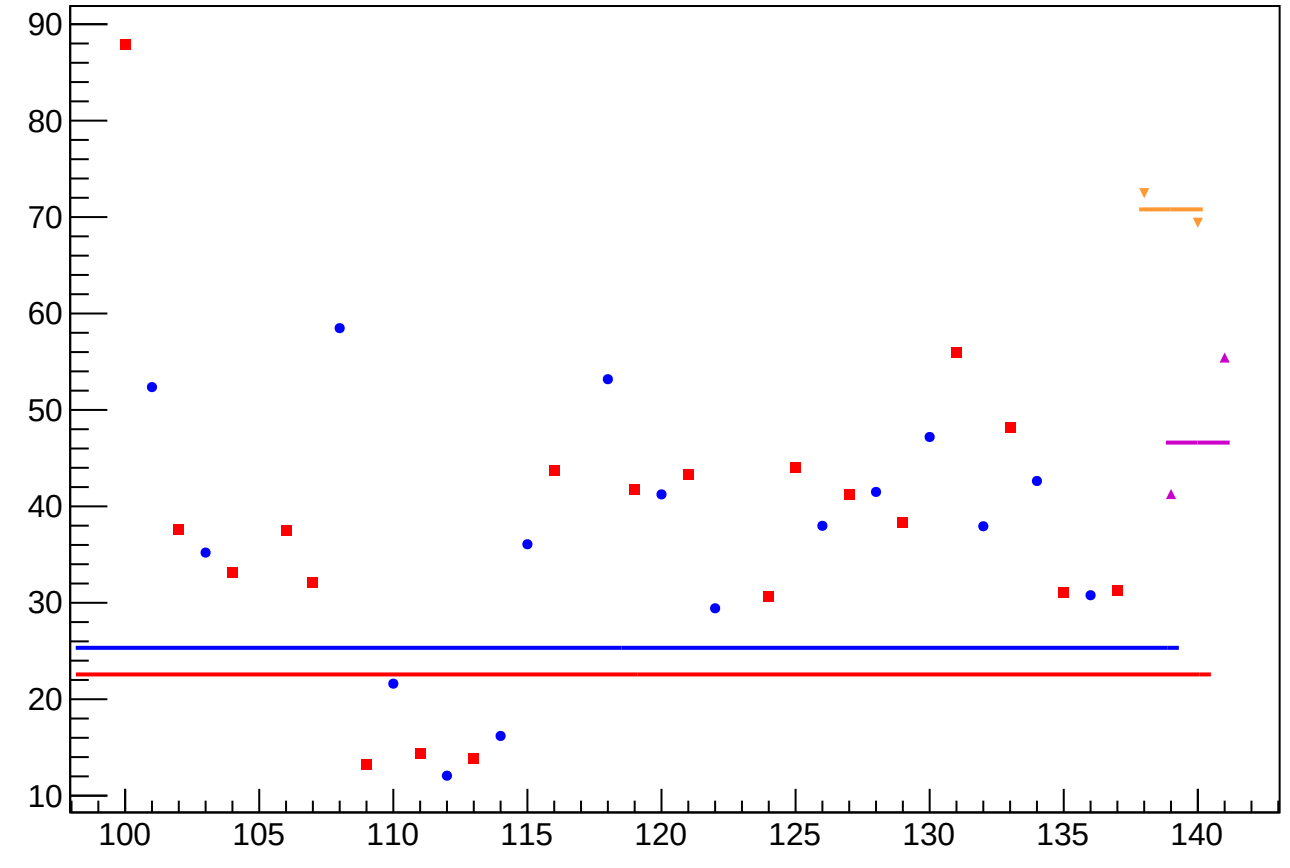
Left: 0.009+/-0.031 χ^2/NDF: 6.6/3

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.024+/-0.011 χ^2/NDF:24.4/17

Out: -0.012+/-0.010 χ^2/NDF:16.3/20

All: 0.005+/-0.007 χ^2/NDF: 46.9/38



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 70.799+/-0.041 χ^2/NDF:1357.4/1

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.614+/-0.026 χ^2/NDF:69615.1/1

Left: 53.455+/-0.022 χ^2/NDF: 315800.9/3

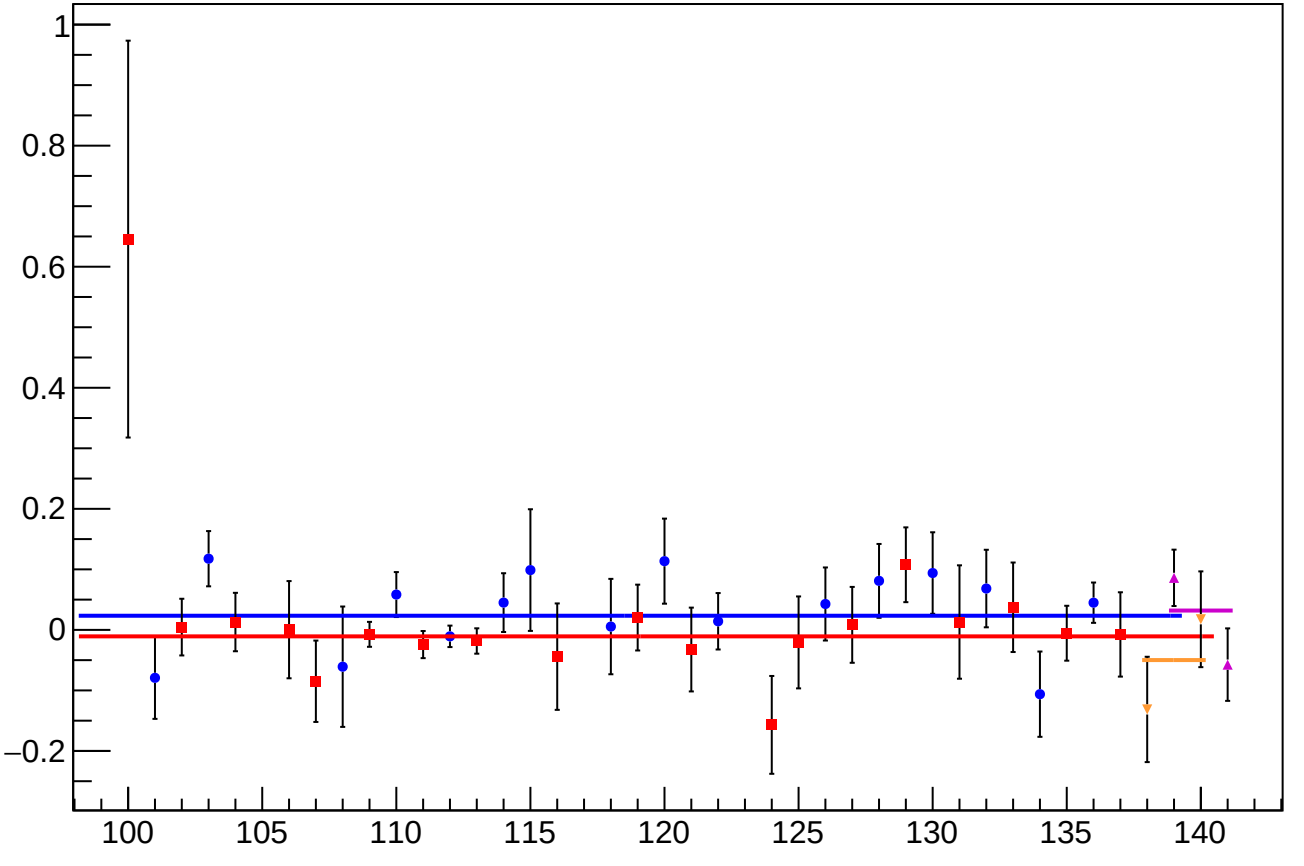
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 27.101+/-0.007 χ^2/NDF:3609759.7/17

Out: 23.886+/-0.007 χ^2/NDF:4461979.0/20

All: 25.347+/-0.005 χ^2/NDF: 8172195.6/38

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.050+/-0.059 χ^2/NDF:1.6/1

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.037 χ^2/NDF:3.6/1

Left: 0.009+/-0.031 χ^2/NDF: 6.6/3

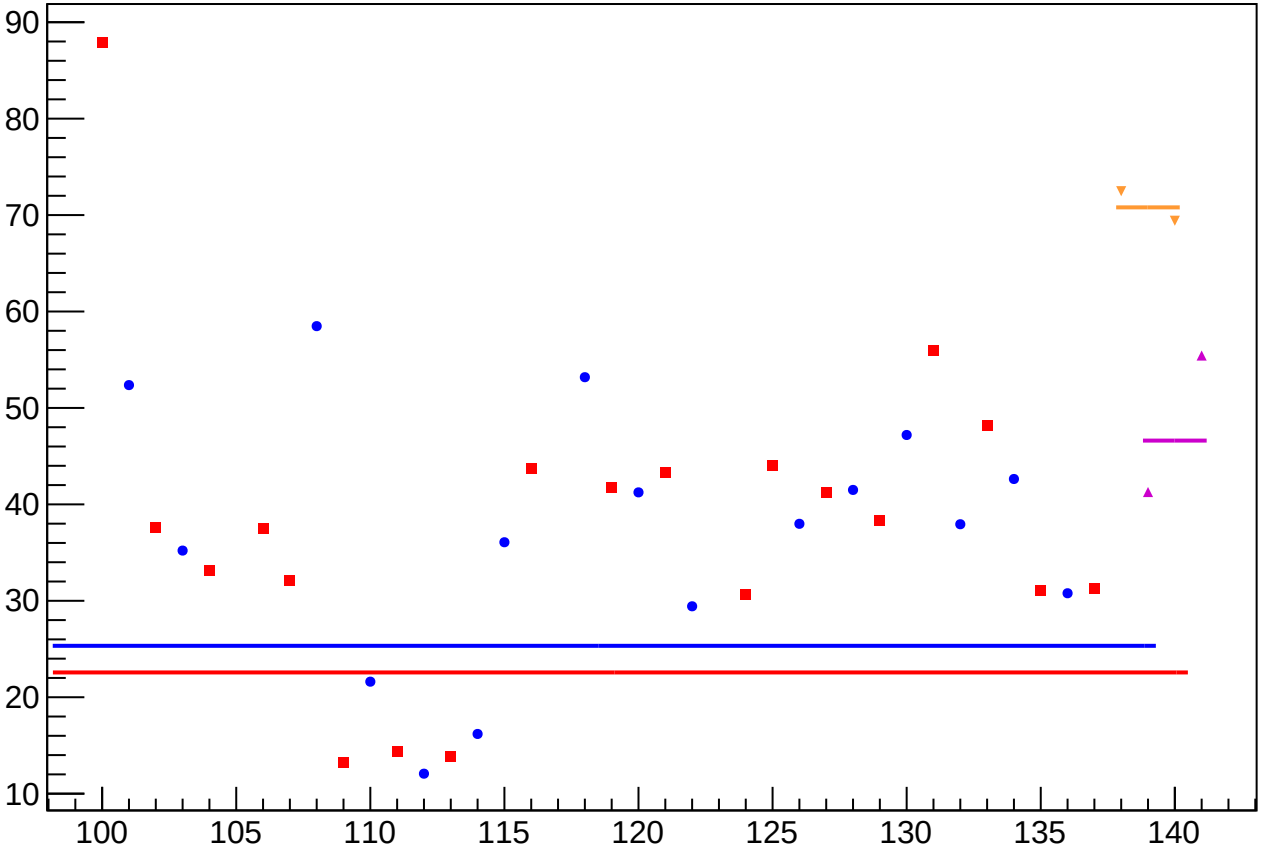
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.024+/-0.011 χ^2/NDF:24.4/17

Out: -0.012+/-0.010 χ^2/NDF:16.3/20

All: 0.005+/-0.007 χ^2/NDF: 46.9/38

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 70.799+/-0.041 χ^2/NDF:1357.4/1

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.614+/-0.026 χ^2/NDF:69615.1/1

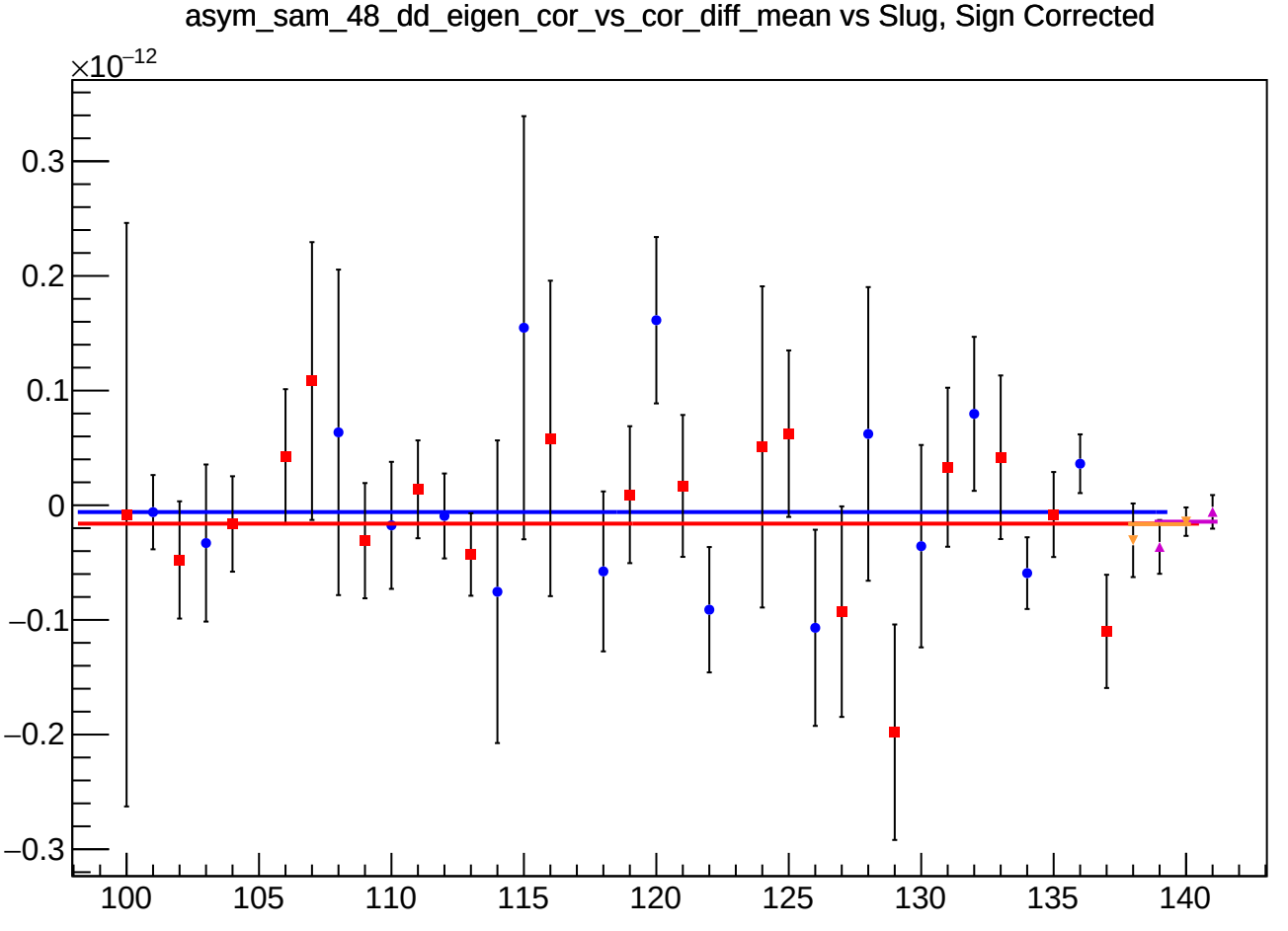
Left: 53.455+/-0.022 χ^2/NDF: 315800.9/3

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 27.101+/-0.007 χ^2/NDF:3609759.7/17

Out: 23.886+/-0.007 χ^2/NDF:4461979.0/20

All: 25.347+/-0.005 χ^2/NDF: 8172195.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/1

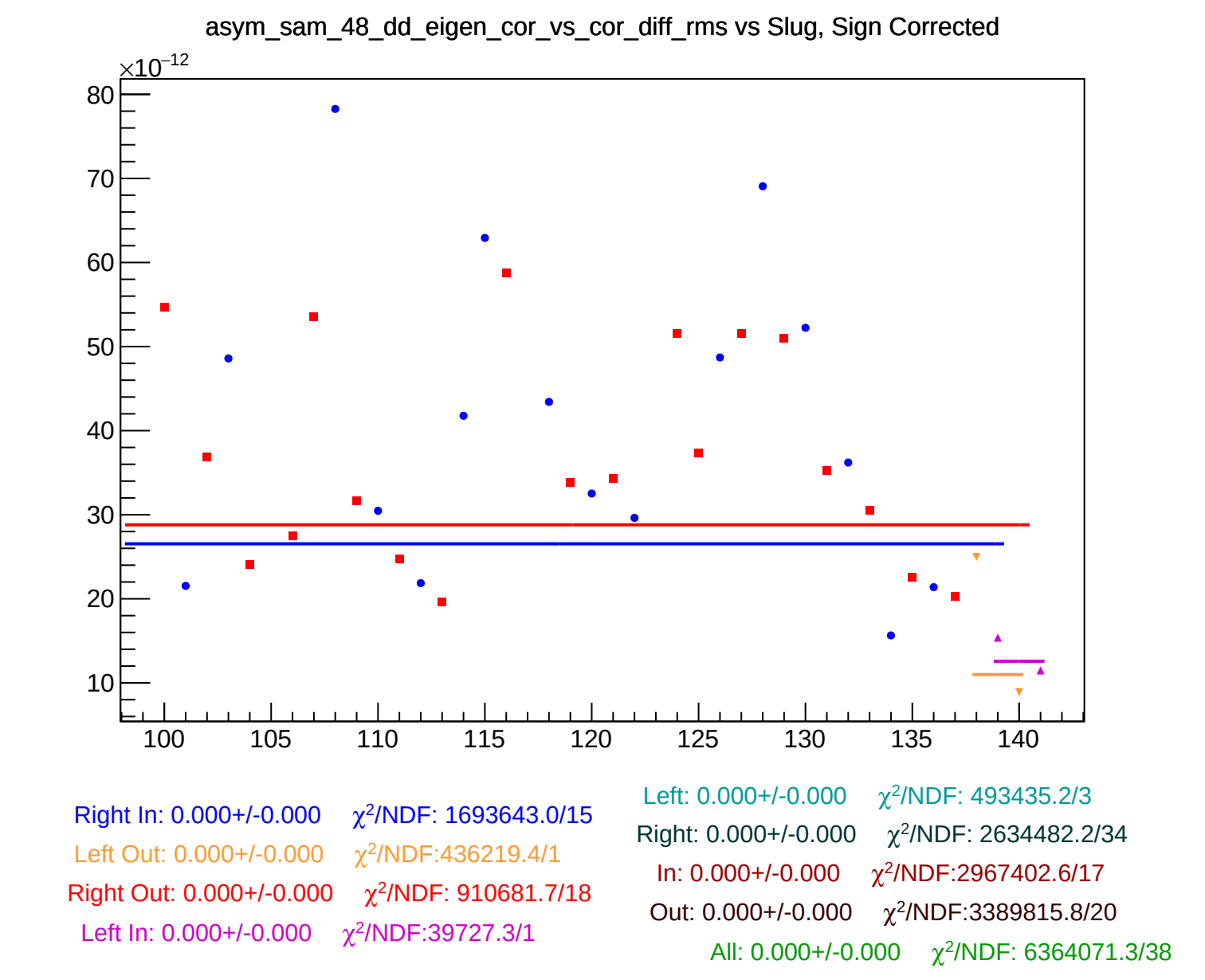
Left: -0.000+/-0.000 χ^2/NDF: 1.5/3

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

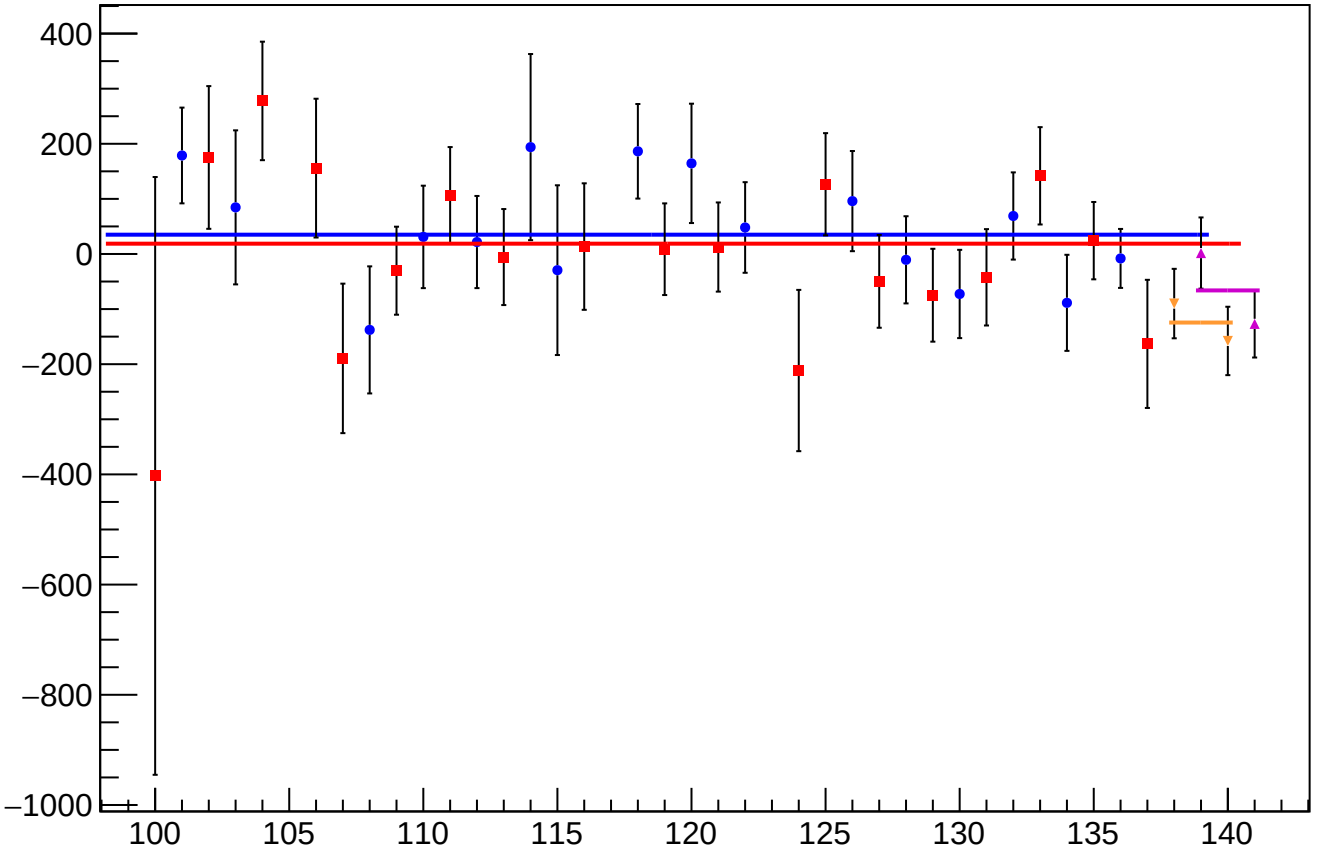
In: -0.000+/-0.000 χ^2/NDF:20.3/17

Out: -0.000+/-0.000 χ^2/NDF:15.2/20

All: -0.000+/-0.000 χ^2/NDF: 35.7/38


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:436219.4/1
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:39727.3/1
Left: 0.000+/-0.000 χ²/NDF: 493435.2/3
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:2967402.6/17
Out: 0.000+/-0.000 χ²/NDF:3389815.8/20
All: 0.000+/-0.000 χ²/NDF: 6364071.3/38

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -124.437+/-44.225 χ^2/NDF:0.6/1

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -66.121+/-44.405 χ^2/NDF:2.1/1

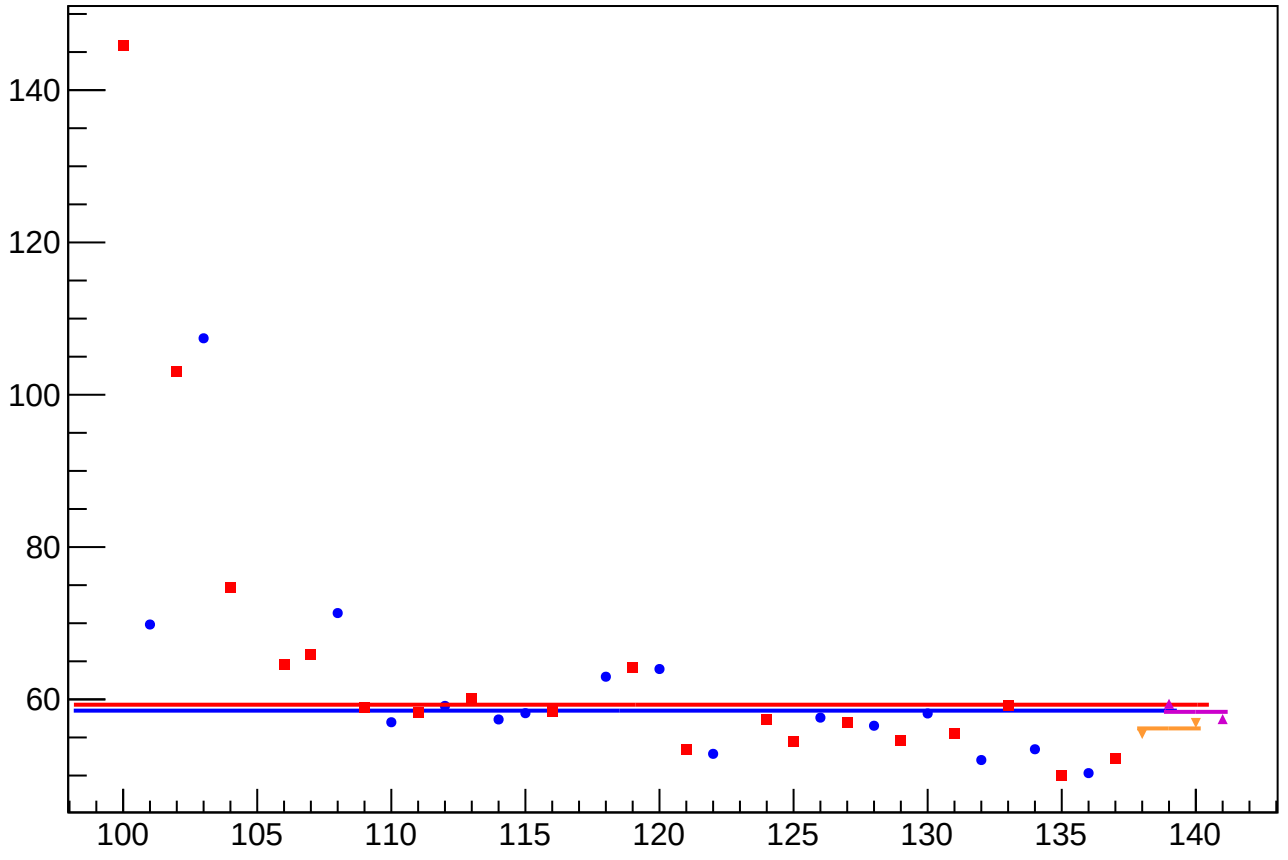
Left: -95.398+/-31.335 χ^2/NDF: 3.5/3

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: 14.890+/-19.810 χ^2/NDF:22.4/17

Out: -9.986+/-19.796 χ^2/NDF:32.5/20

All: 2.443+/-14.003 χ^2/NDF: 55.7/38



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.187+/-0.031 χ^2/NDF:537.5/1

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.363+/-0.031 χ^2/NDF:1021.6/1

Left: 57.271+/-0.022 χ^2/NDF: 3969.6/3

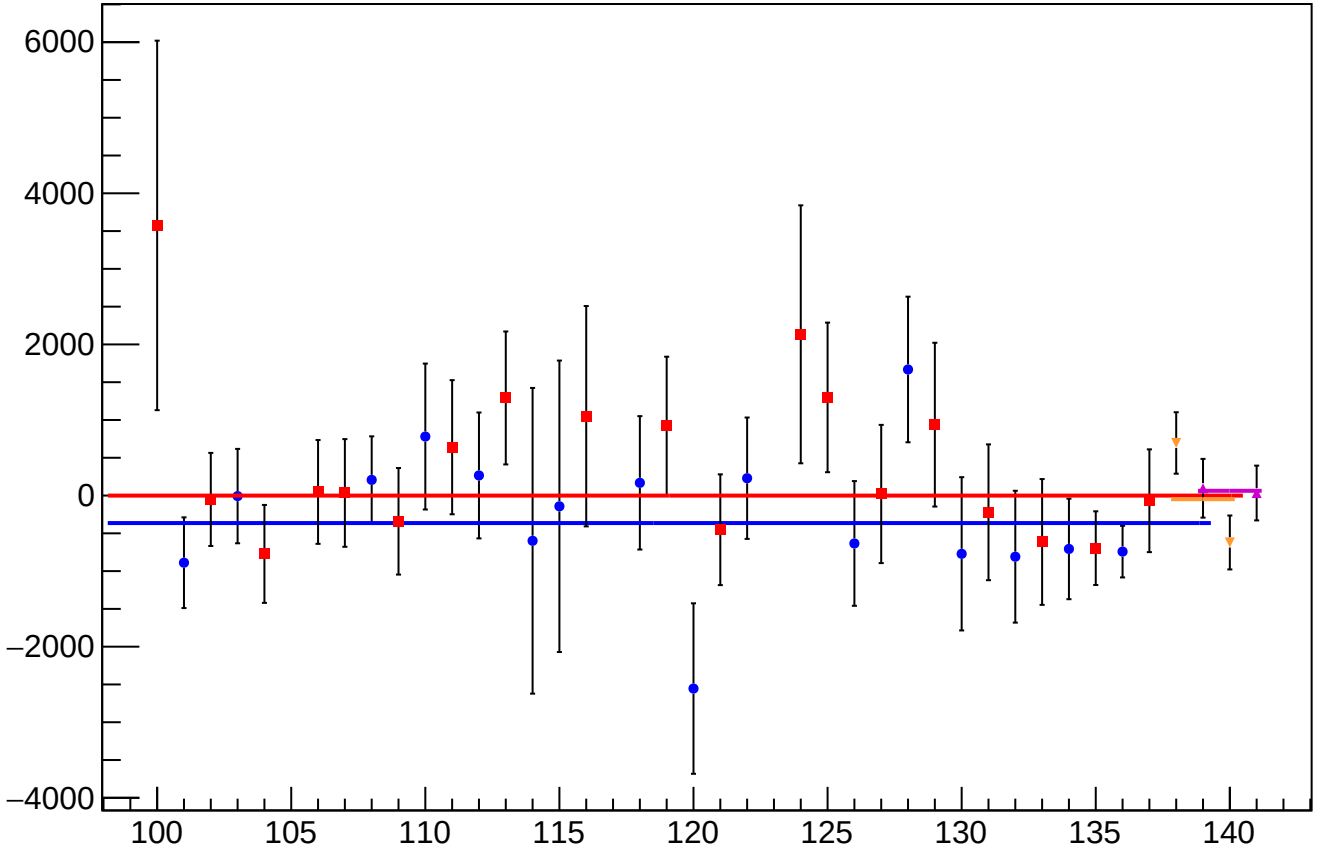
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.490+/-0.014 χ^2/NDF:393784.4/17

Out: 58.677+/-0.014 χ^2/NDF:415077.9/20

All: 58.584+/-0.010 χ^2/NDF: 808951.7/38

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -48.198+/-268.231 χ^2/NDF:5.9/1

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 62.780+/-265.079 χ^2/NDF:0.0/1

Left: 7.947+/-188.544 χ^2/NDF: 6.0/3

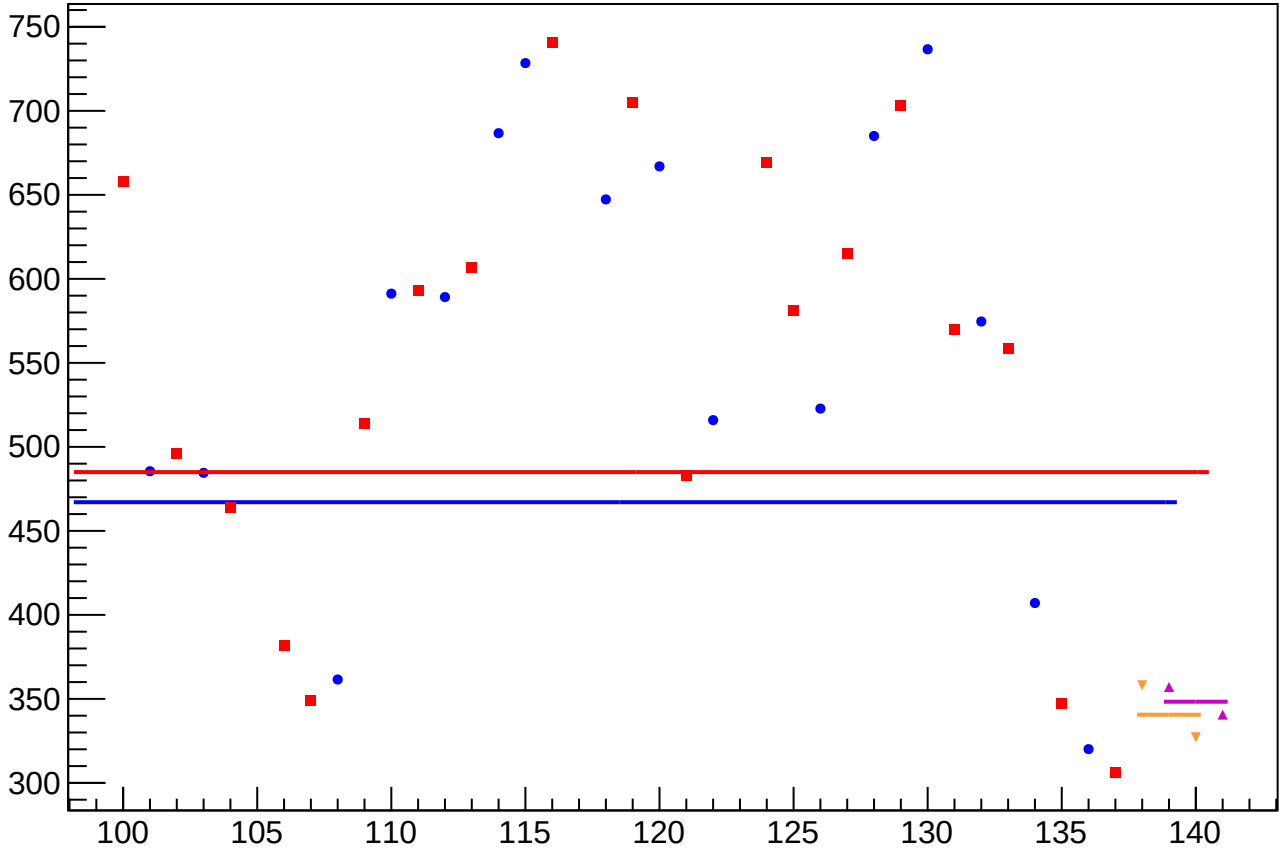
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -228.752+/-149.253 χ^2/NDF:17.0/17

Out: -15.707+/-151.217 χ^2/NDF:21.0/20

All: -123.623+/-106.225 χ^2/NDF: 39.0/38

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 340.597+/-0.190 χ^2/NDF:6527.8/1

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 348.322+/-0.187 χ^2/NDF:1921.1/1

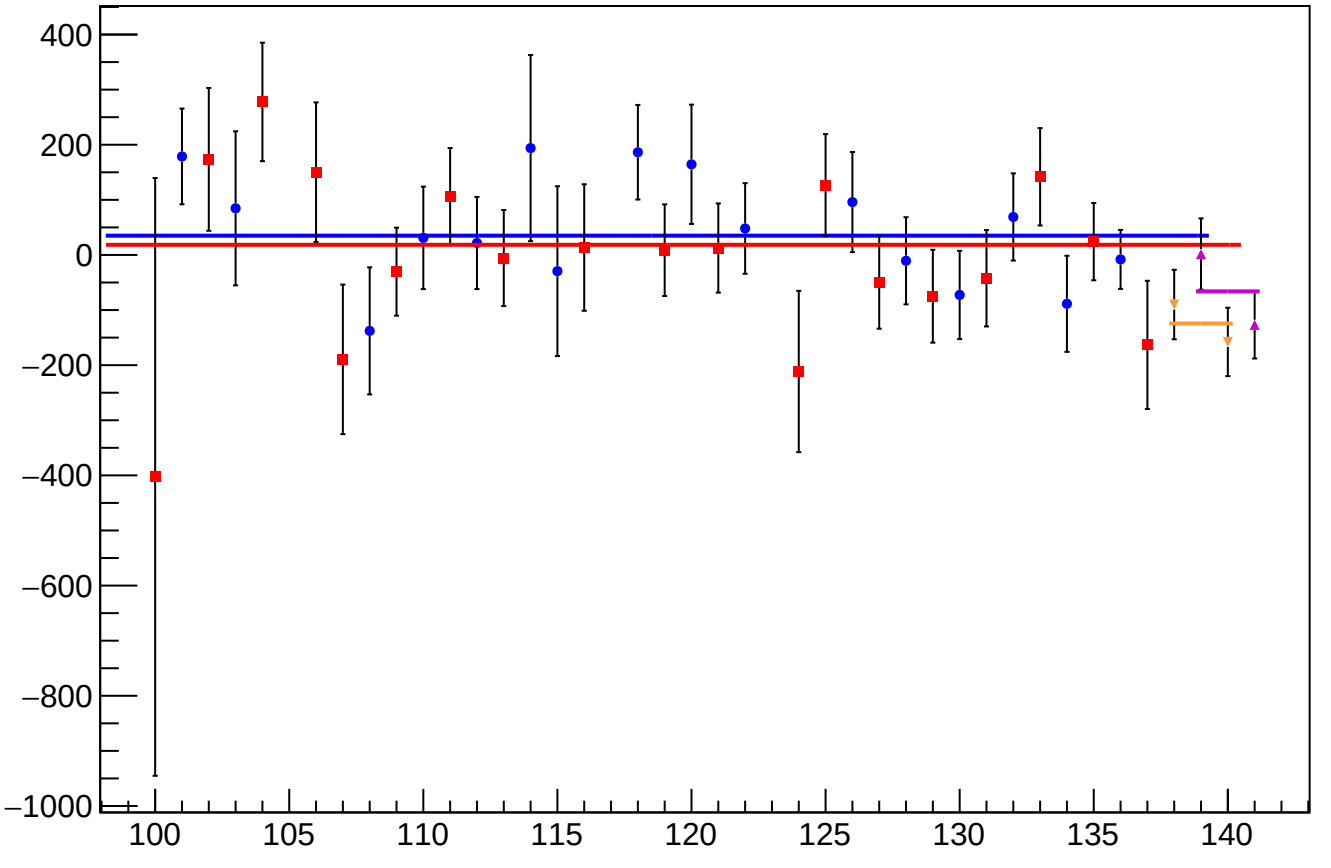
Left: 344.505+/-0.133 χ^2/NDF: 9288.1/3

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 429.423+/-0.106 χ^2/NDF:1306308.8/17

Out: 439.093+/-0.107 χ^2/NDF:1275951.3/20

All: 434.194+/-0.075 χ^2/NDF: 2586403.2/38



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -124.430+/-44.225 χ^2/NDF:0.6/1

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -66.123+/-44.405 χ^2/NDF:2.1/1

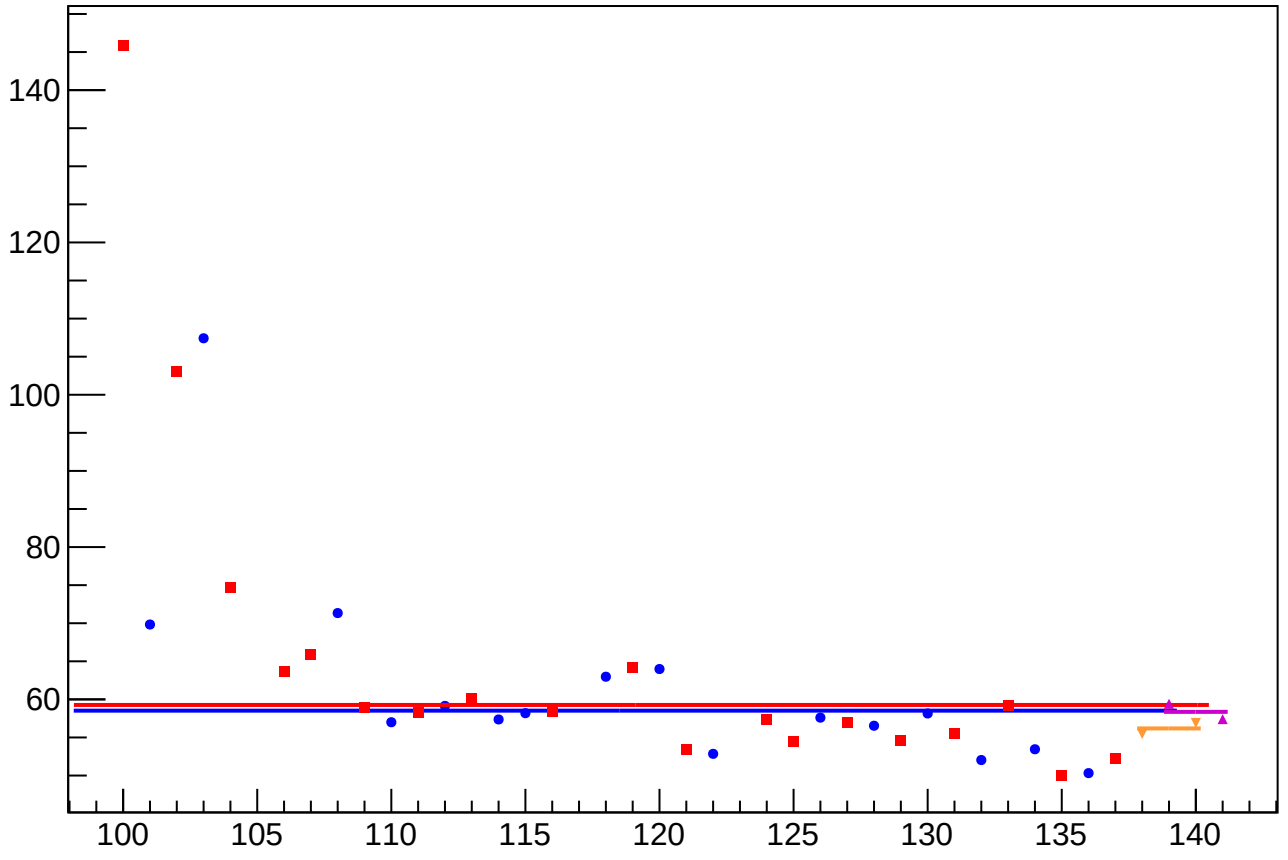
Left: -95.395+/-31.335 χ^2/NDF: 3.5/3

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: 14.888+/-19.810 χ^2/NDF:22.4/17

Out: -10.212+/-19.798 χ^2/NDF:32.3/20

All: 2.331+/-14.004 χ^2/NDF: 55.5/38



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.187+/-0.031 χ^2/NDF:537.5/1

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.363+/-0.031 χ^2/NDF:1021.6/1

Left: 57.271+/-0.022 χ^2/NDF: 3969.6/3

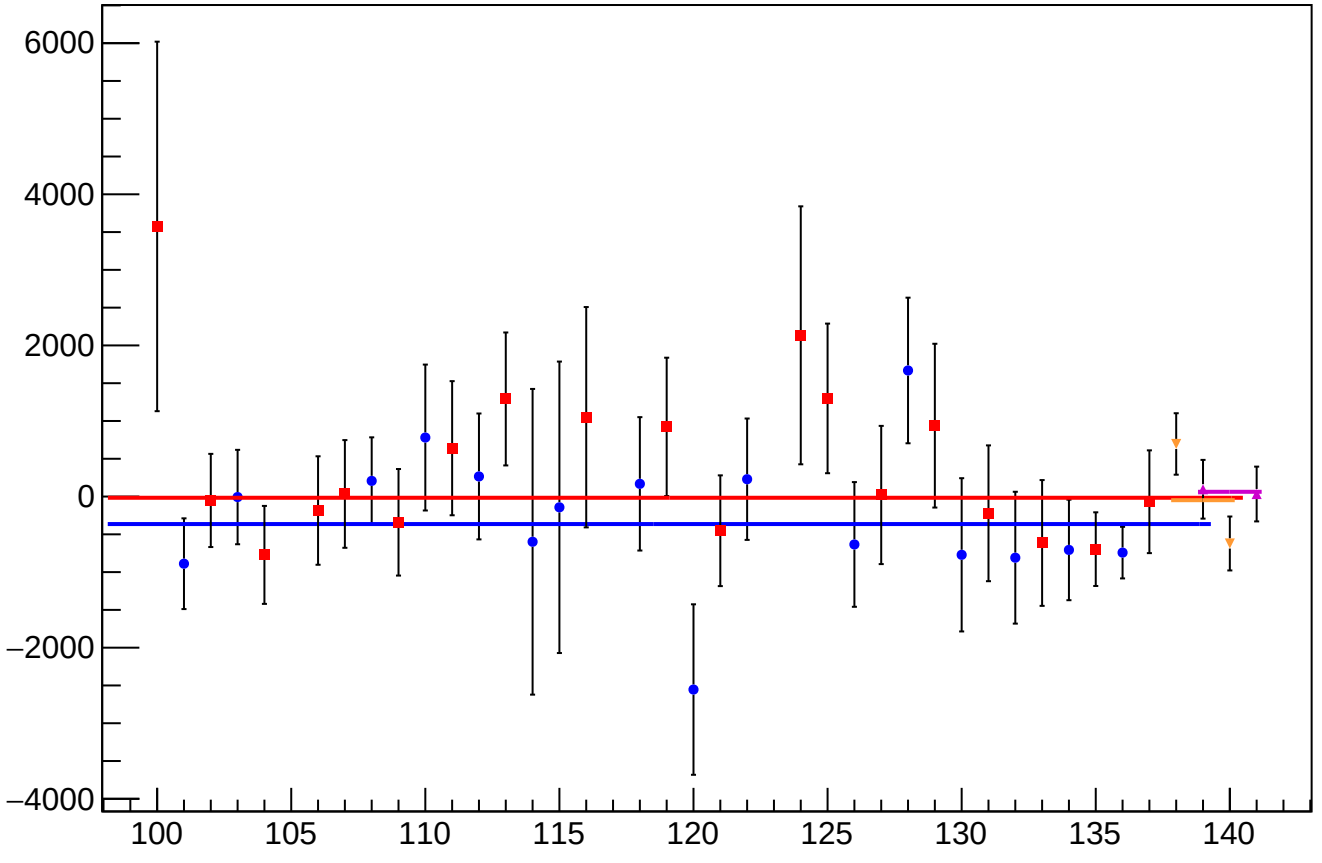
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.490+/-0.014 χ^2/NDF:393786.5/17

Out: 58.652+/-0.014 χ^2/NDF:413920.9/20

All: 58.571+/-0.010 χ^2/NDF: 807774.0/38

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -48.204+/-268.231 χ^2/NDF:5.9/1

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 62.786+/-265.079 χ^2/NDF:0.0/1

Left: 7.947+/-188.544 χ^2/NDF: 6.0/3

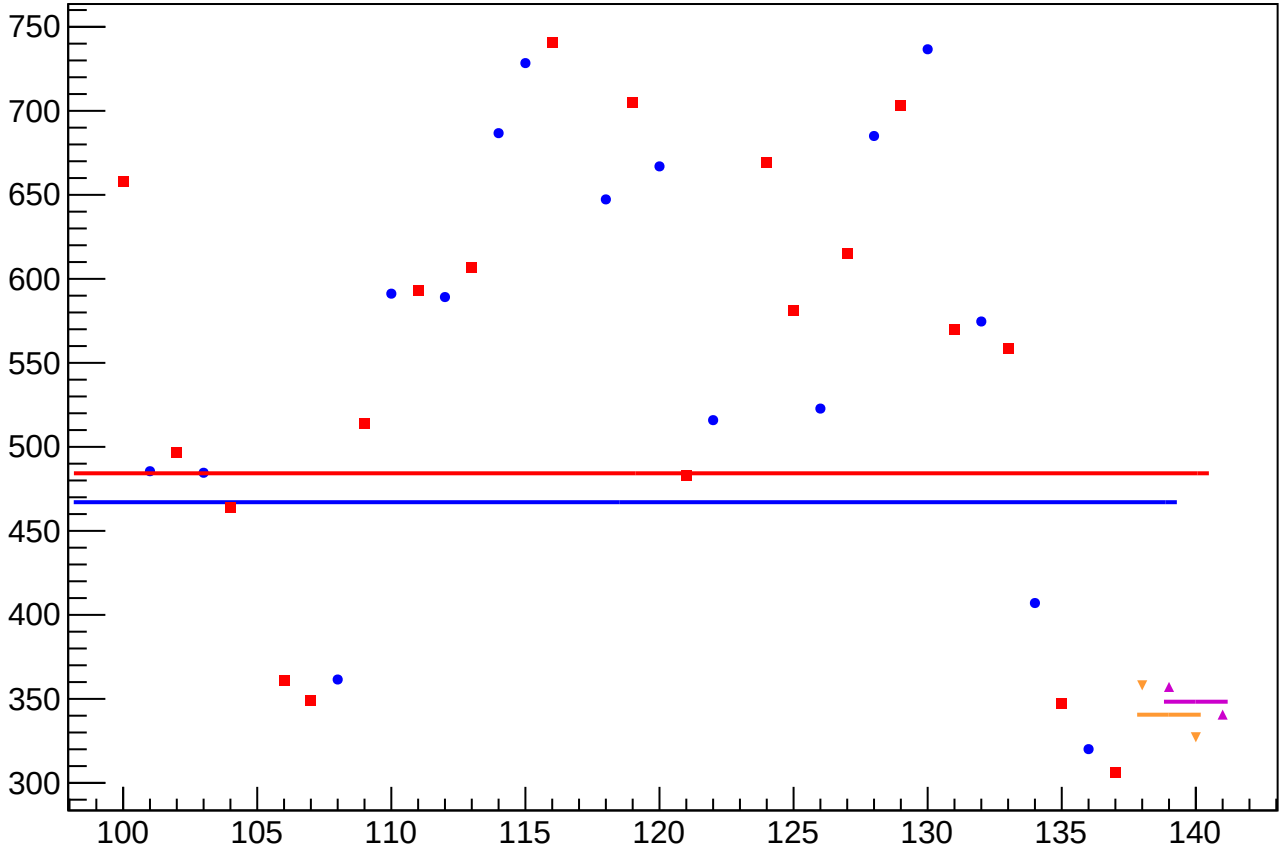
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -228.724+/-149.253 χ^2/NDF:17.0/17

Out: -26.337+/-151.535 χ^2/NDF:21.1/20

All: -129.066+/-106.336 χ^2/NDF: 39.0/38

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 340.597+/-0.190 χ^2/NDF:6528.1/1

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 348.322+/-0.187 χ^2/NDF:1921.1/1

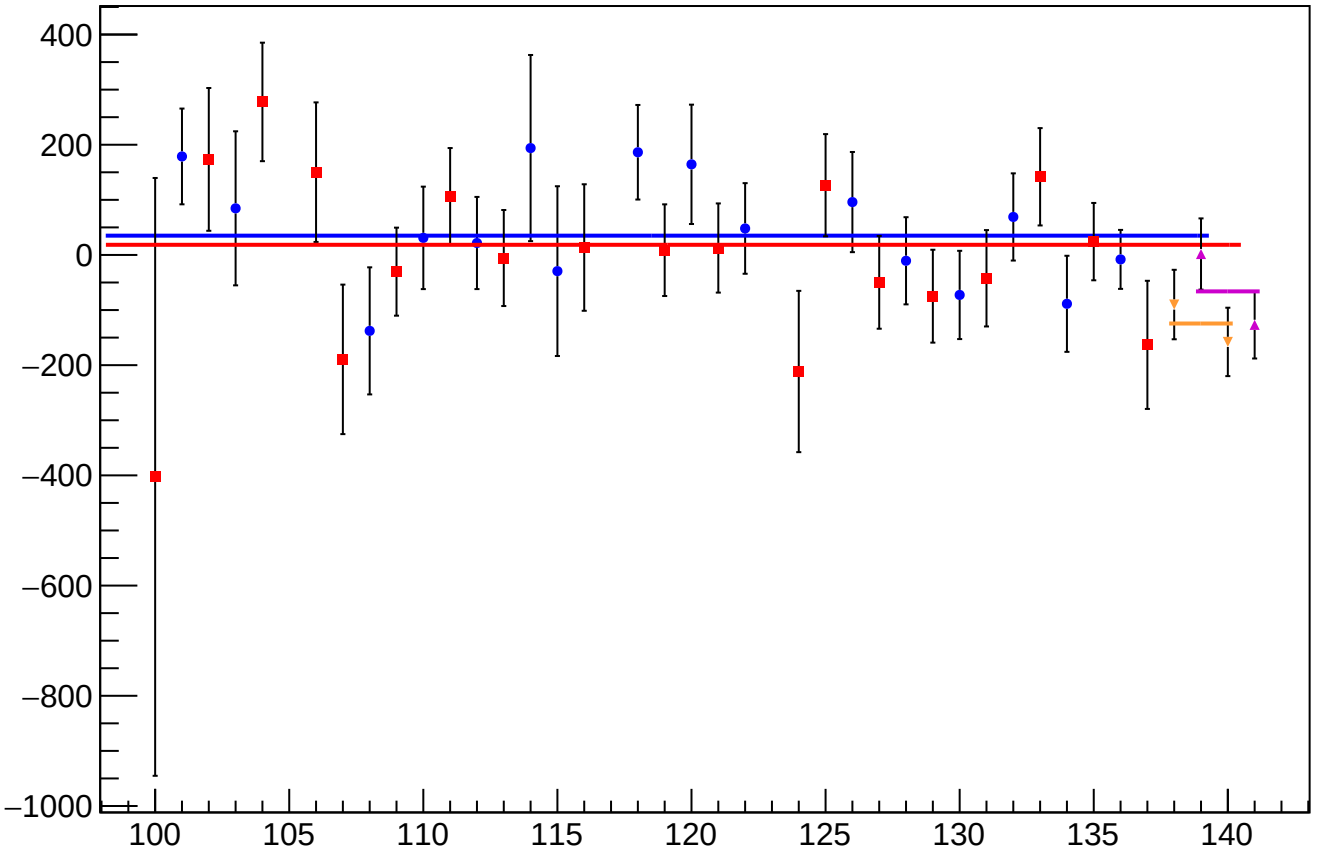
Left: 344.505+/-0.133 χ^2/NDF: 9288.4/3

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 429.424+/-0.106 χ^2/NDF:1306322.6/17

Out: 438.418+/-0.107 χ^2/NDF:1286012.0/20

All: 433.853+/-0.075 χ^2/NDF: 2595910.6/38



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -124.430+/-44.225 χ^2/NDF:0.6/1

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -66.123+/-44.405 χ^2/NDF:2.1/1

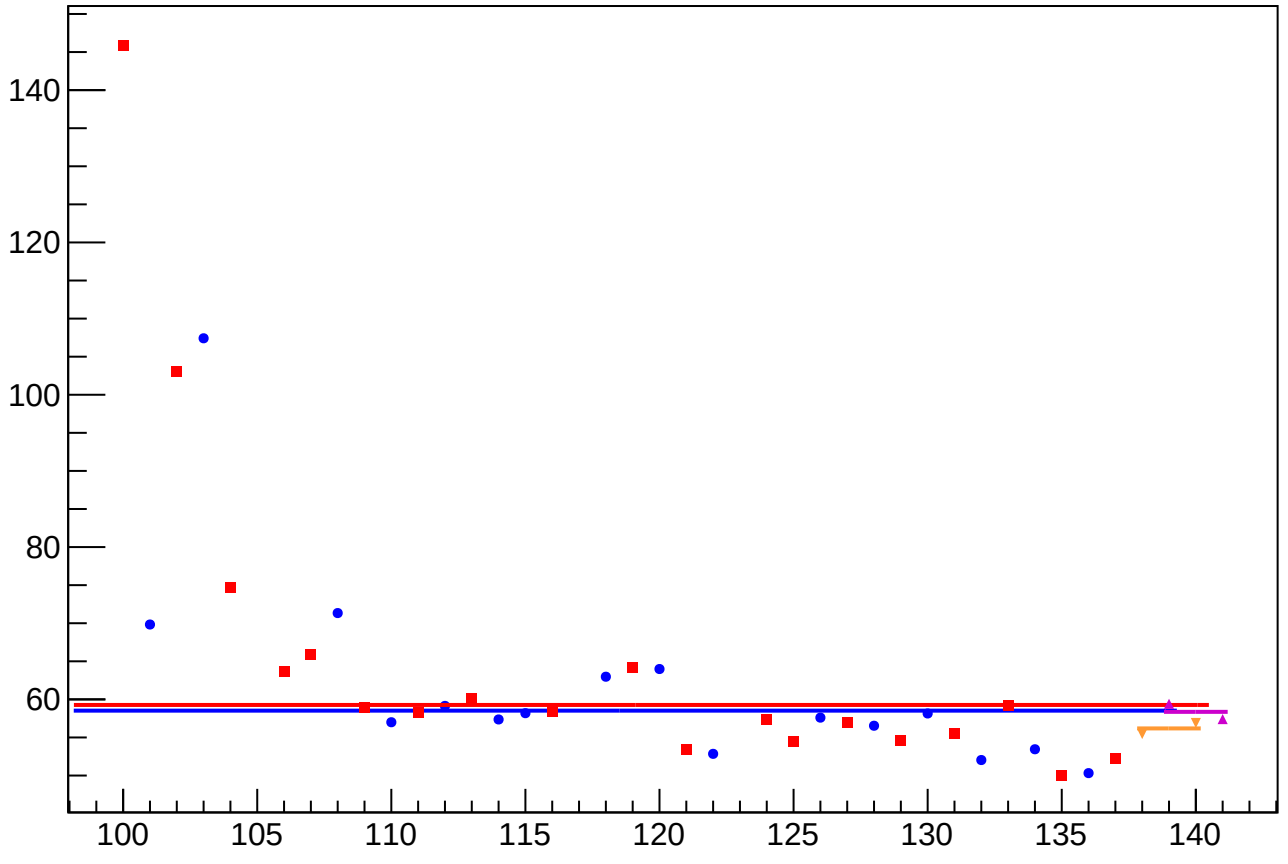
Left: -95.395+/-31.335 χ^2/NDF: 3.5/3

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: 14.888+/-19.810 χ^2/NDF:22.4/17

Out: -10.212+/-19.798 χ^2/NDF:32.3/20

All: 2.331+/-14.004 χ^2/NDF: 55.5/38



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.187+/-0.031 χ^2/NDF:537.5/1

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.363+/-0.031 χ^2/NDF:1021.6/1

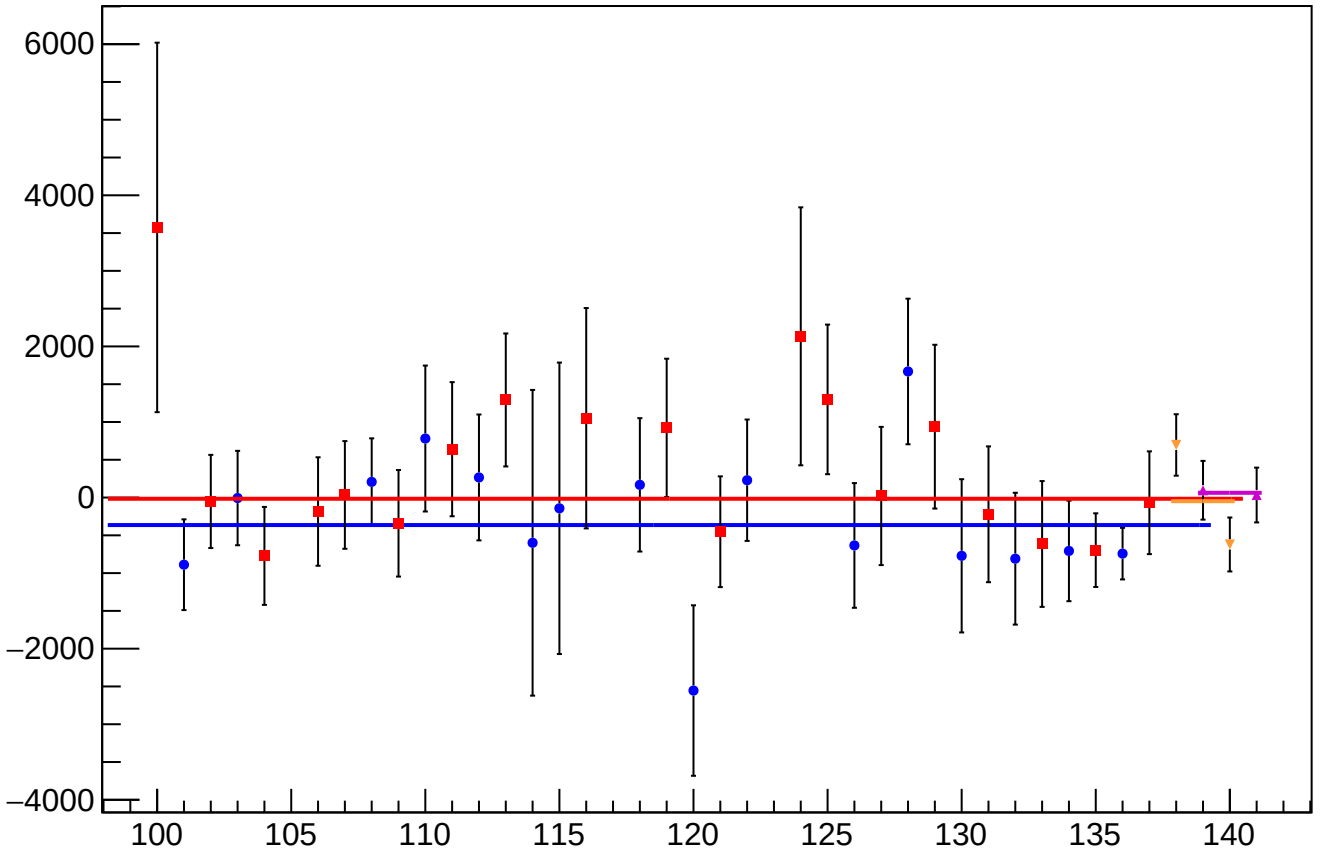
Left: 57.271+/-0.022 χ^2/NDF: 3969.6/3

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.490+/-0.014 χ^2/NDF:393786.5/17

Out: 58.652+/-0.014 χ^2/NDF:413920.9/20

All: 58.571+/-0.010 χ^2/NDF: 807774.0/38



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -48.204+/-268.231 χ^2/NDF:5.9/1

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 62.786+/-265.079 χ^2/NDF:0.0/1

Left: 7.947+/-188.544 χ^2/NDF: 6.0/3

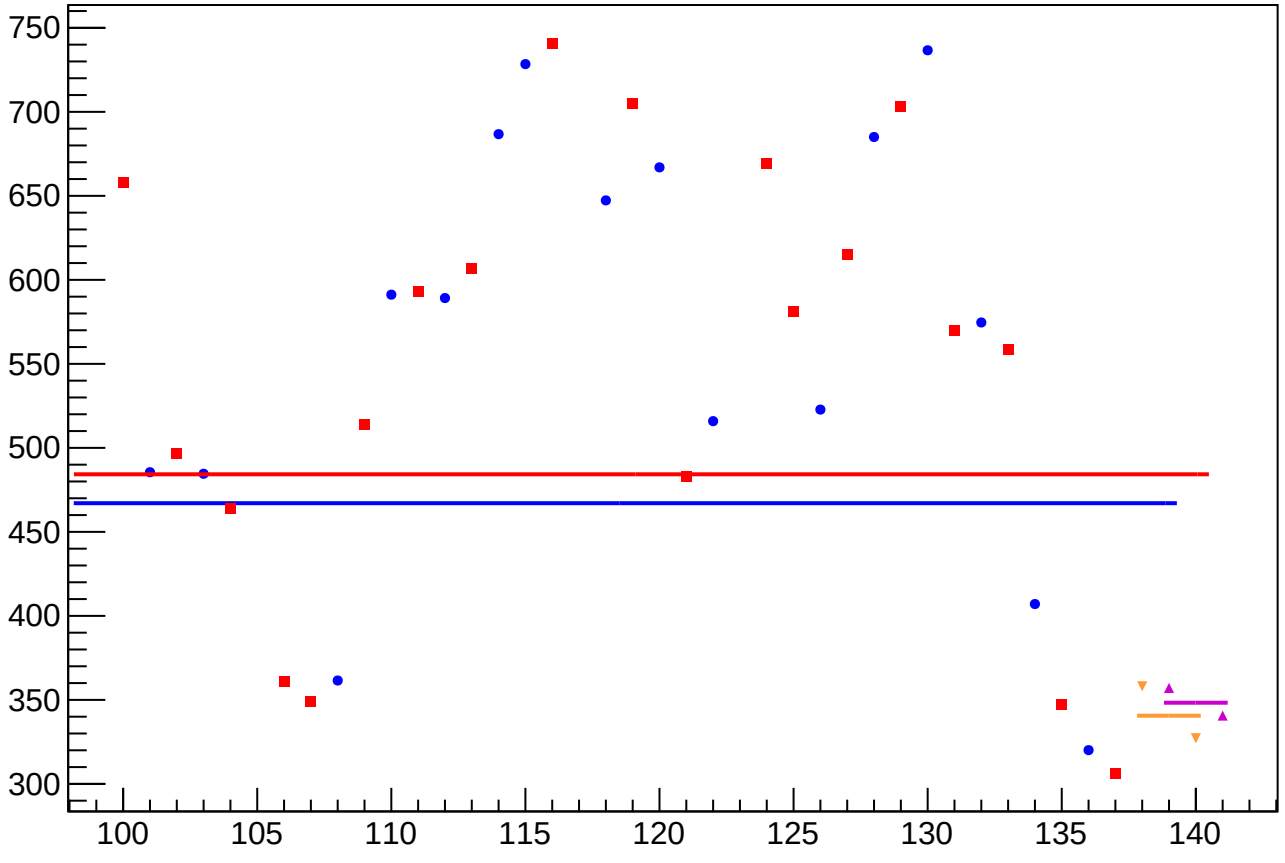
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -228.724+/-149.253 χ^2/NDF:17.0/17

Out: -26.337+/-151.535 χ^2/NDF:21.1/20

All: -129.066+/-106.336 χ^2/NDF: 39.0/38

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 340.597+/-0.190 χ^2/NDF:6528.1/1

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 348.322+/-0.187 χ^2/NDF:1921.1/1

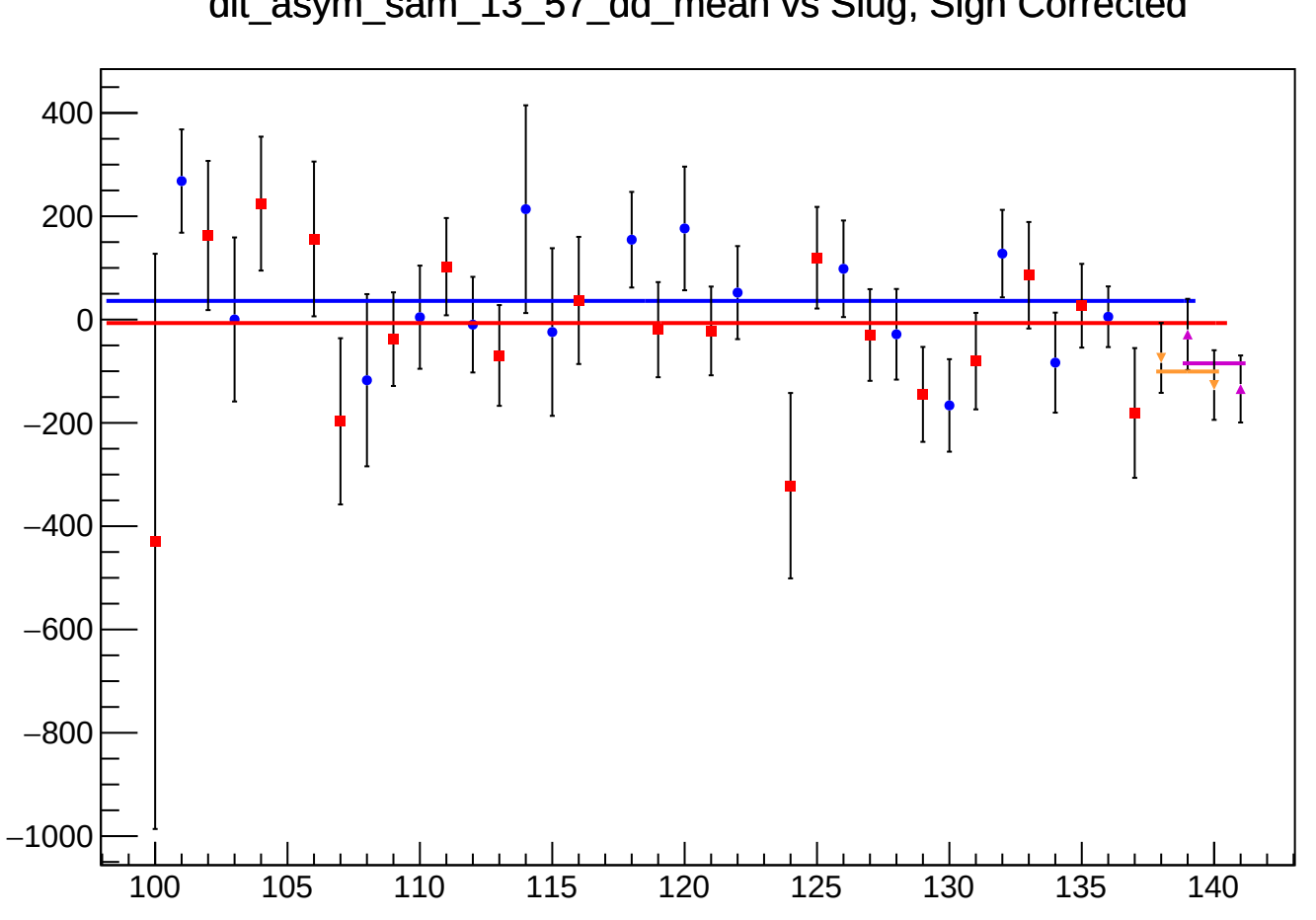
Left: 344.505+/-0.133 χ^2/NDF: 9288.4/3

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 429.424+/-0.106 χ^2/NDF:1306322.6/17

Out: 438.418+/-0.107 χ^2/NDF:1286012.0/20

All: 433.853+/-0.075 χ^2/NDF: 2595910.6/38



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -100.572+/-47.766 χ^2/NDF:0.3/1

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -84.713+/-47.244 χ^2/NDF:1.2/1

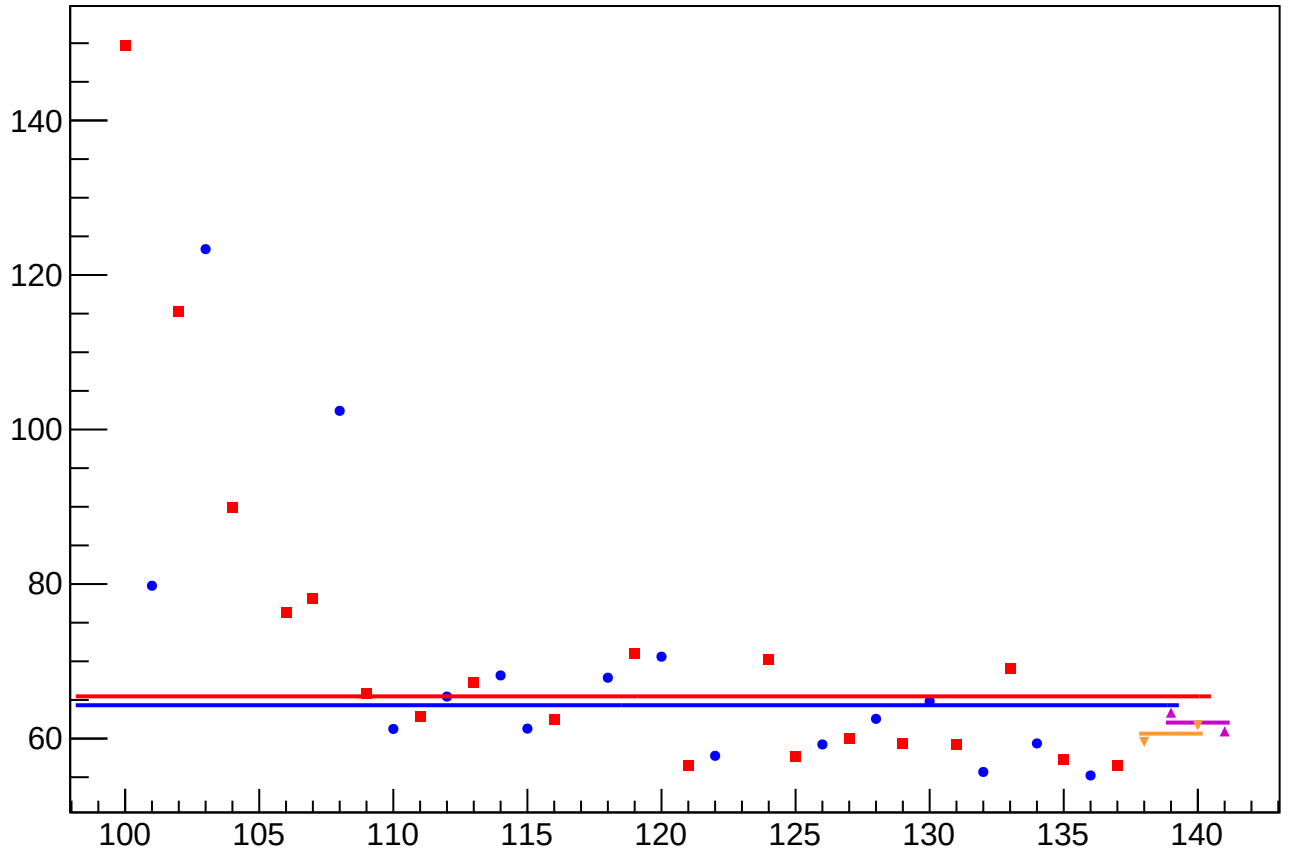
Left: -92.556+/-33.590 χ^2/NDF: 1.6/3

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: 10.588+/-21.729 χ^2/NDF:26.1/17

Out: -26.362+/-21.845 χ^2/NDF:23.7/20

All: -7.789+/-15.406 χ^2/NDF: 51.2/38



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 60.640+/-0.034 χ^2/NDF:995.1/1

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.071+/-0.033 χ^2/NDF:1315.9/1

Left: 61.363+/-0.024 χ^2/NDF: 3218.2/3

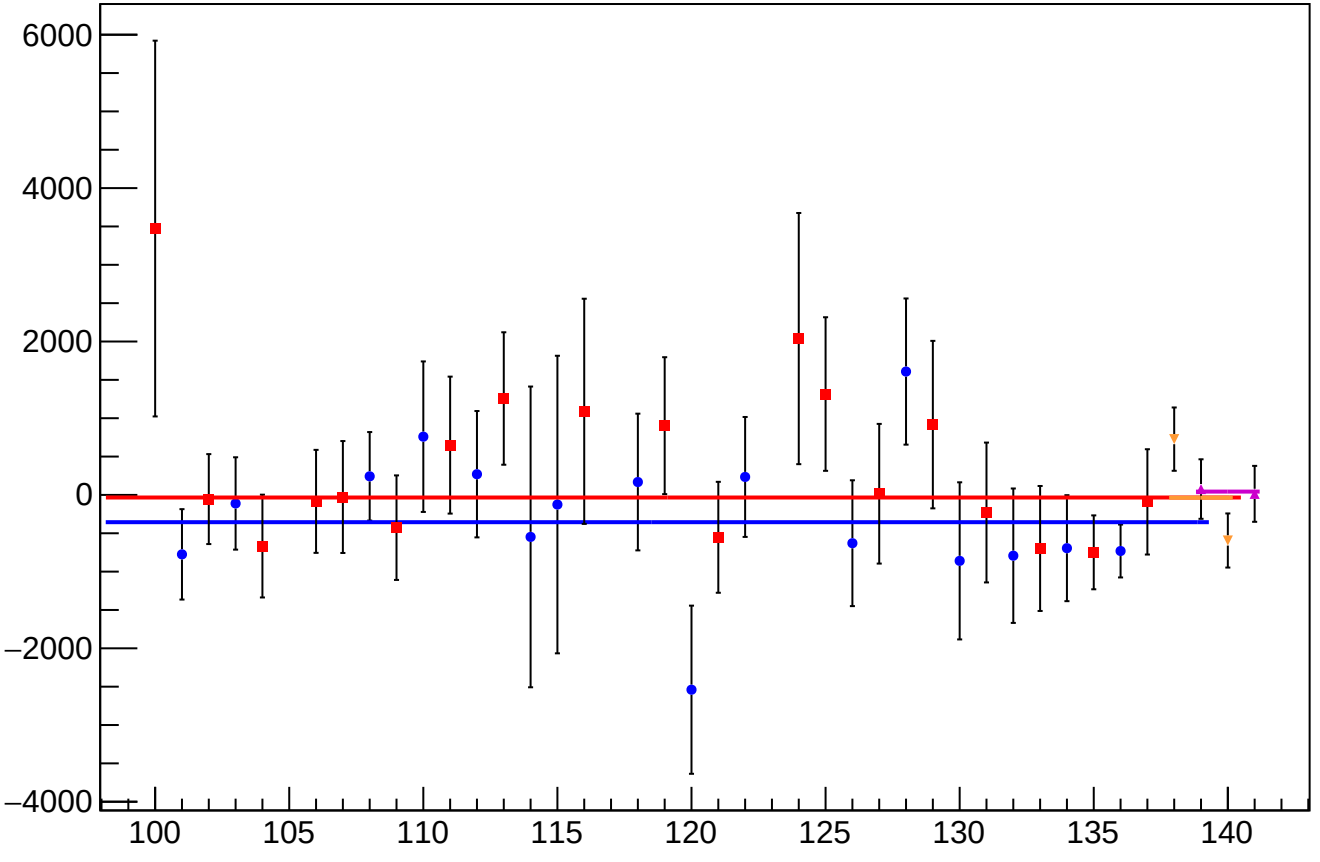
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.841+/-0.015 χ^2/NDF:536942.8/17

Out: 64.457+/-0.015 χ^2/NDF:499501.9/20

All: 64.147+/-0.011 χ^2/NDF: 1037242.4/38

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -36.446+/-268.135 χ^2/NDF:5.9/1

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 43.298+/-265.733 χ^2/NDF:0.0/1

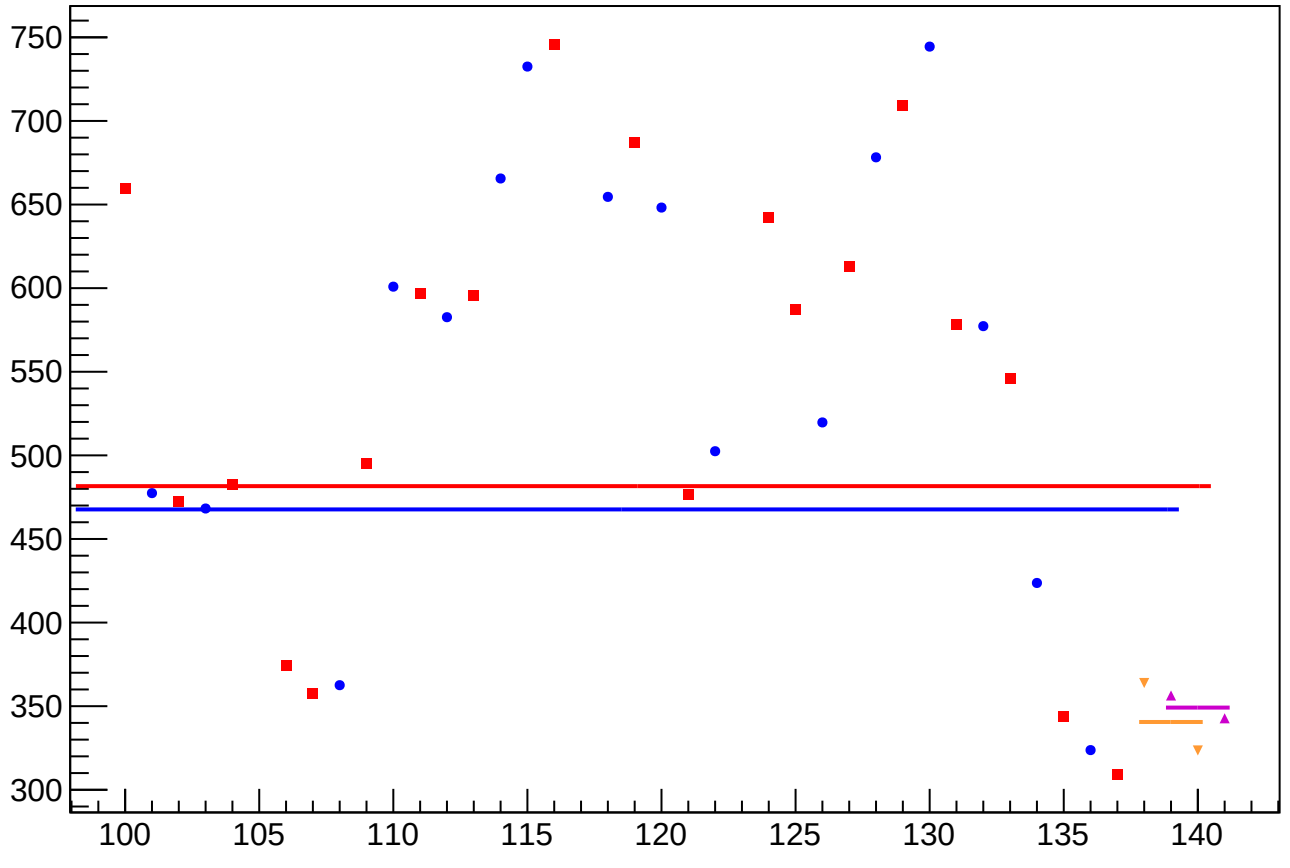
Left: 3.785+/-188.745 χ^2/NDF: 6.0/3

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -229.770+/-149.218 χ^2/NDF:16.4/17

Out: -34.623+/-150.338 χ^2/NDF:21.3/20

All: -132.926+/-105.907 χ^2/NDF: 38.5/38



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 340.552+/-0.190 χ^2/NDF:11042.9/1

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 349.159+/-0.188 χ^2/NDF:1311.5/1

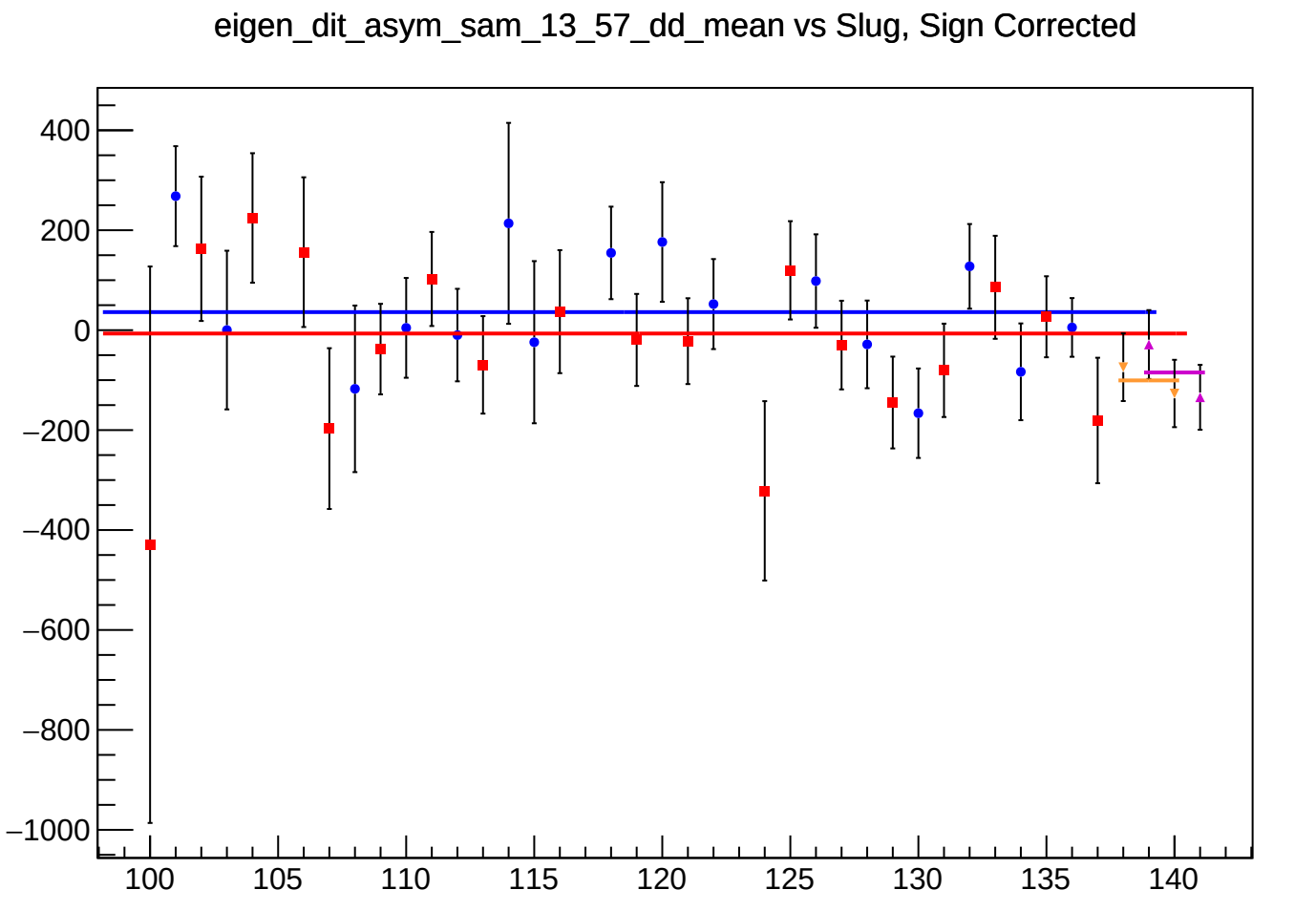
Left: 344.894+/-0.133 χ^2/NDF: 13394.1/3

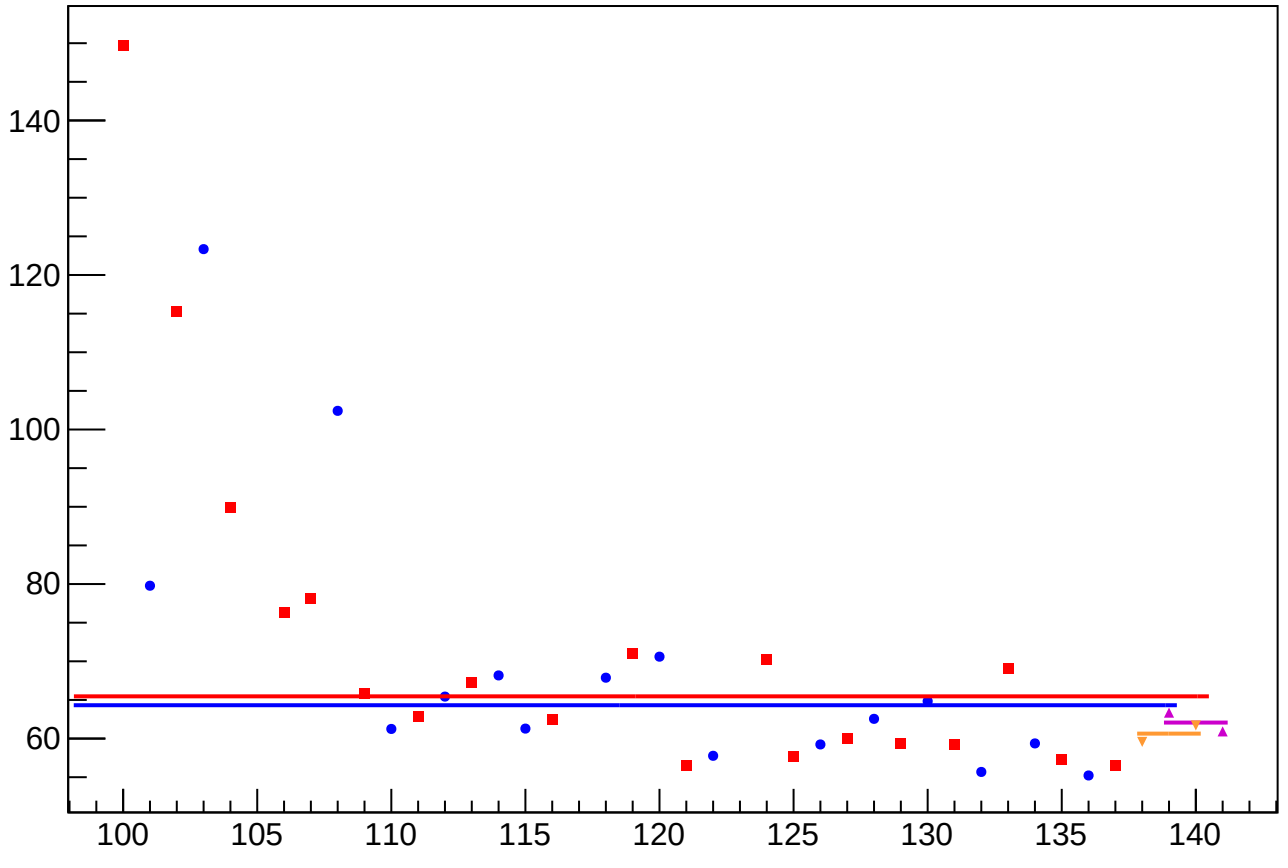
Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 430.304+/-0.106 χ^2/NDF:1259634.7/17

Out: 437.259+/-0.106 χ^2/NDF:1244765.9/20

All: 433.756+/-0.075 χ^2/NDF: 2506557.1/38


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
105
110
115
120
125
130
135
140
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -100.571+/-47.766 χ²/NDF:0.3/1
Right Out: -6.735+/-24.565 χ²/NDF: 20.3/18
Left In: -84.712+/-47.244 χ²/NDF:1.2/1
Left: -92.555+/-33.590 χ²/NDF: 1.6/3
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: 10.588+/-21.729 χ²/NDF:26.1/17
Out: -26.362+/-21.845 χ²/NDF:23.7/20
All: -7.788+/-15.406 χ²/NDF: 51.2/38



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 60.640+/-0.034 χ^2/NDF:995.1/1

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.071+/-0.033 χ^2/NDF:1315.7/1

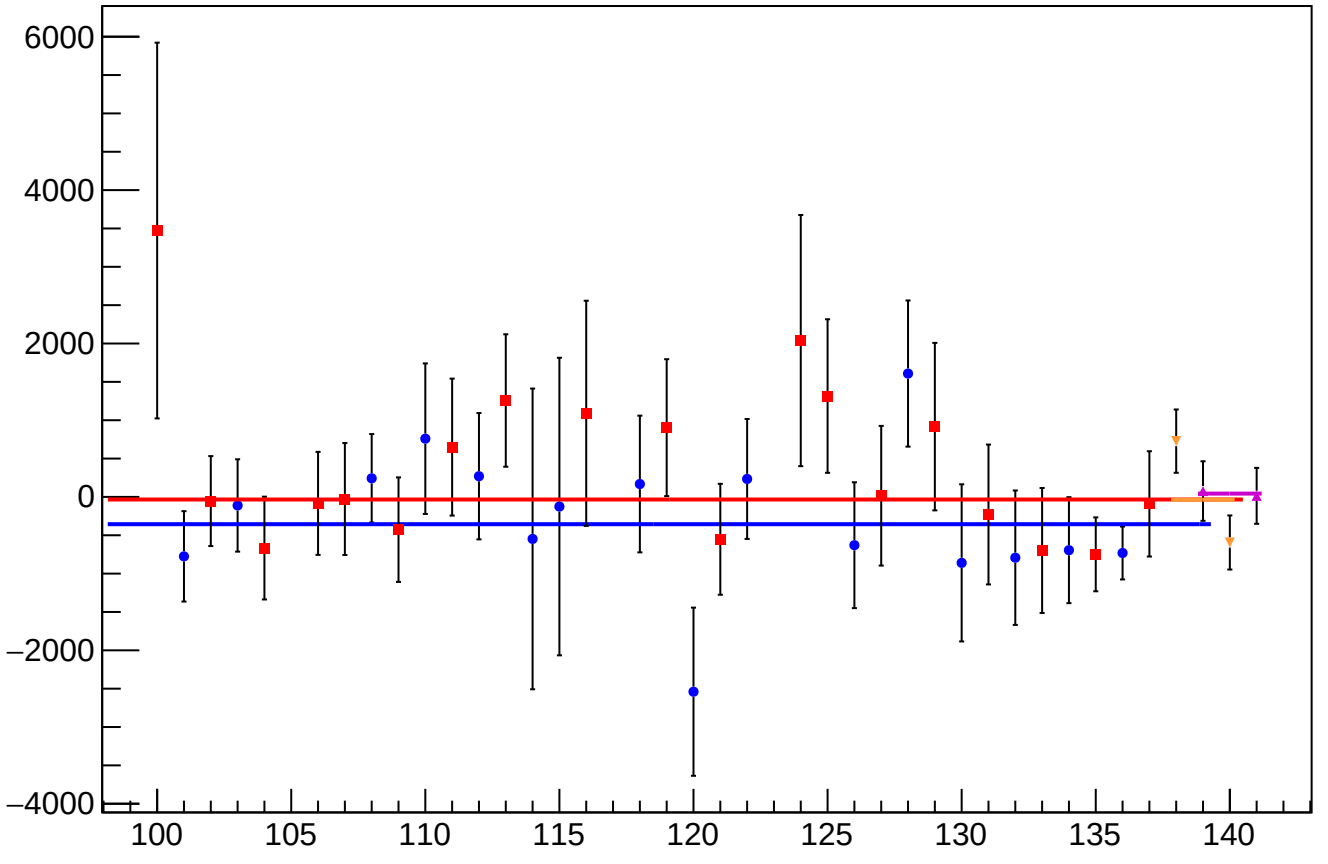
Left: 61.363+/-0.024 χ^2/NDF: 3218.0/3

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.841+/-0.015 χ^2/NDF:536950.4/17

Out: 64.457+/-0.015 χ^2/NDF:499506.3/20

All: 64.147+/-0.011 χ^2/NDF: 1037254.4/38



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -36.447+/-268.136 χ^2/NDF:5.9/1

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 43.298+/-265.733 χ^2/NDF:0.0/1

Left: 3.784+/-188.746 χ^2/NDF: 6.0/3

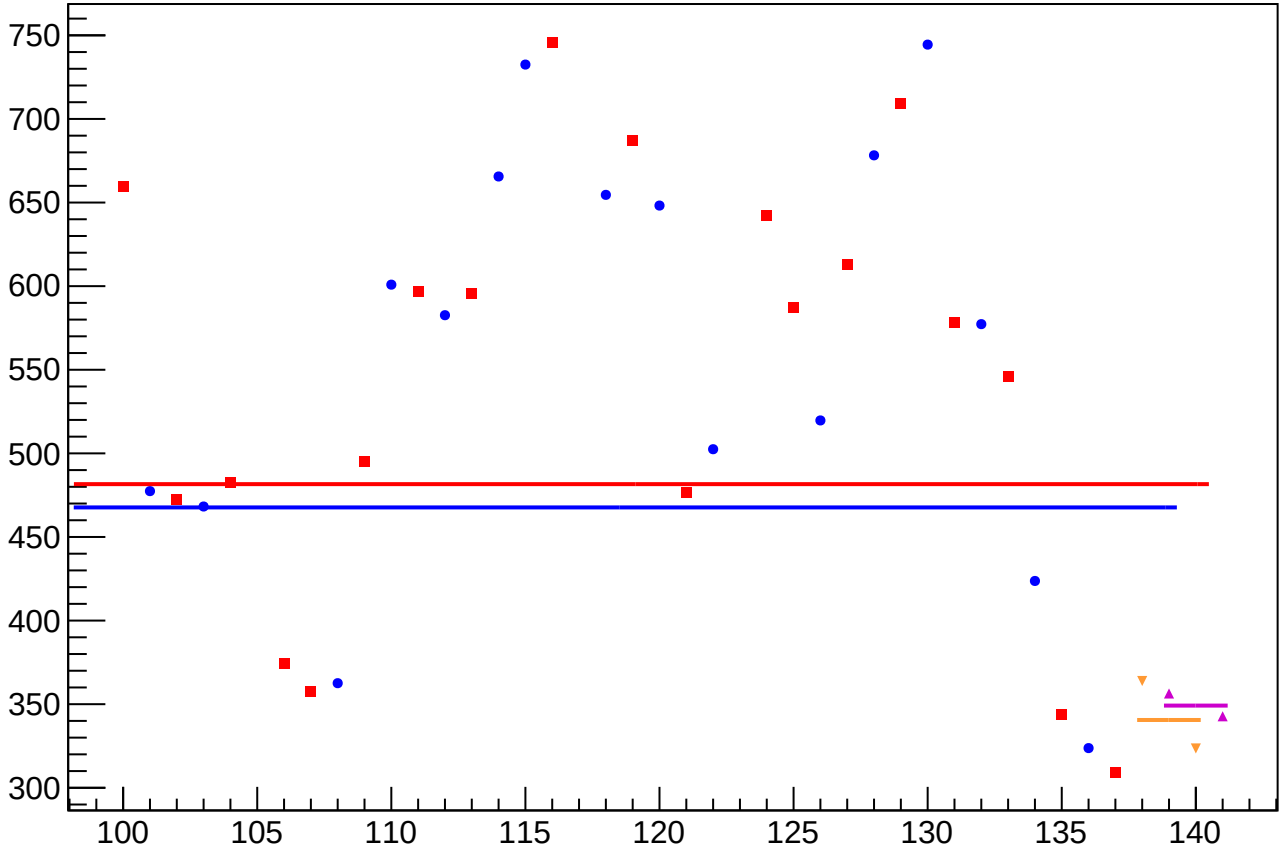
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -229.770+/-149.218 χ^2/NDF:16.4/17

Out: -34.623+/-150.338 χ^2/NDF:21.3/20

All: -132.926+/-105.907 χ^2/NDF: 38.5/38

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 340.553+/-0.190 χ^2/NDF:11043.4/1

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 349.160+/-0.188 χ^2/NDF:1311.6/1

Left: 344.895+/-0.133 χ^2/NDF: 13394.6/3

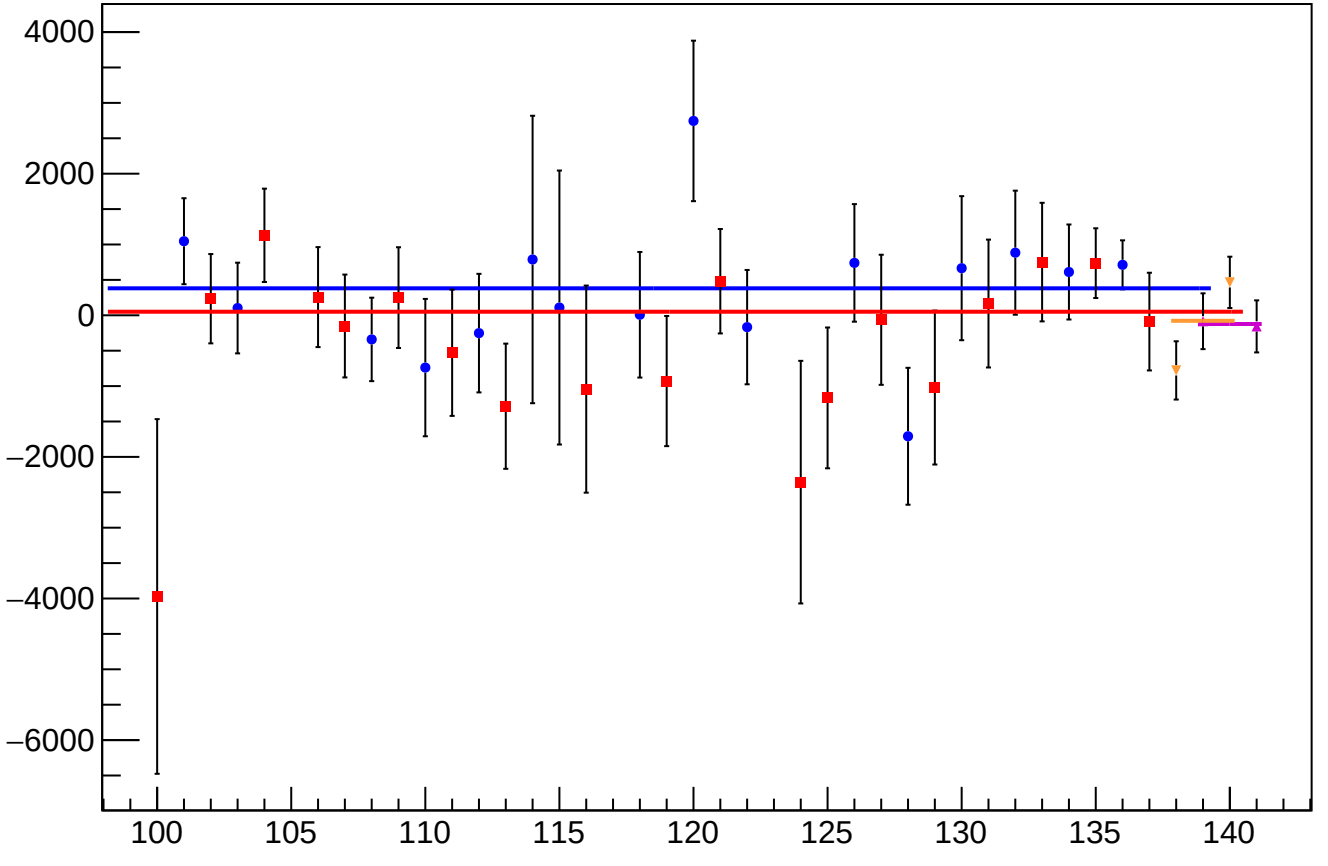
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 430.304+/-0.106 χ^2/NDF:1259630.3/17

Out: 437.259+/-0.106 χ^2/NDF:1244757.4/20

All: 433.756+/-0.075 χ^2/NDF: 2506544.2/38

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -77.704+/-271.949 χ^2/NDF:5.1/1

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -122.918+/-268.802 χ^2/NDF:0.0/1

Left: -100.574+/-191.175 χ^2/NDF: 5.2/3

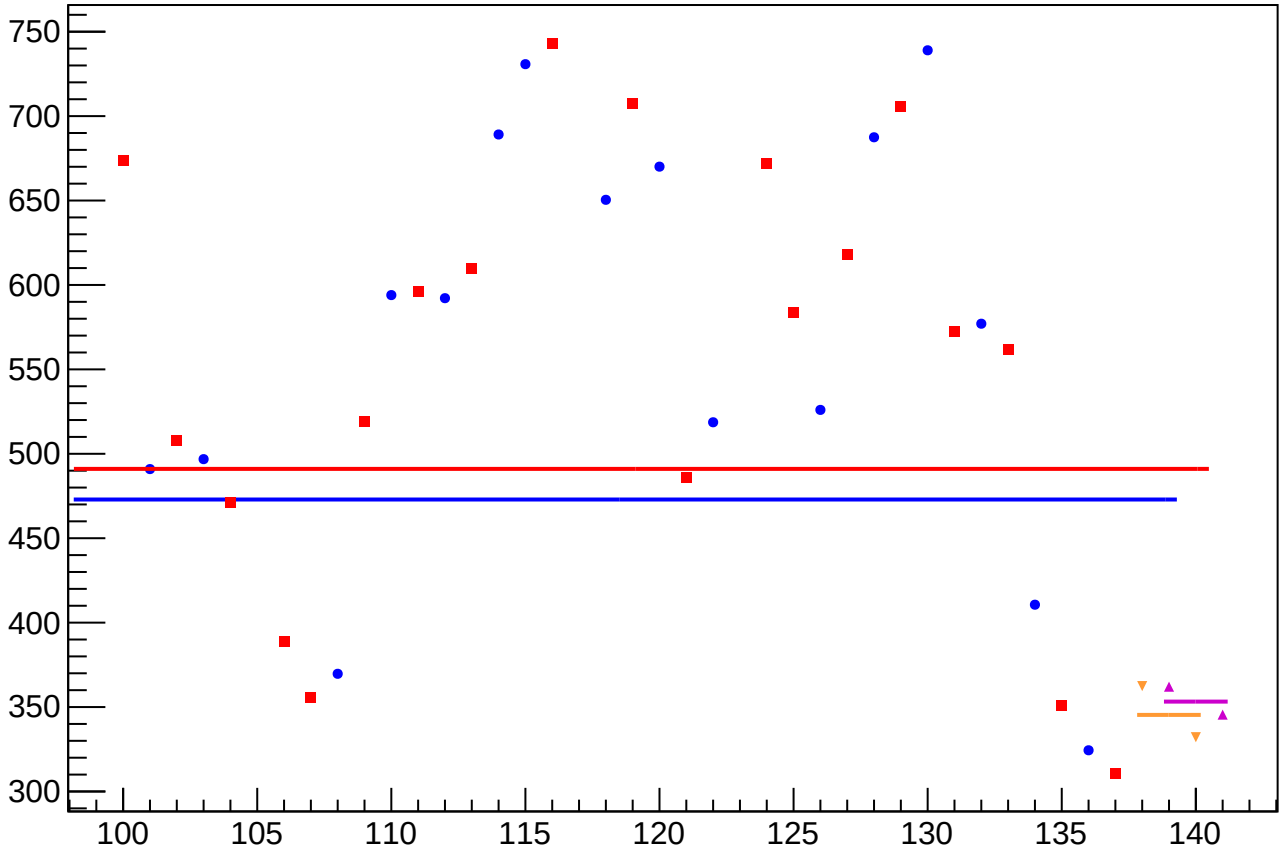
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 221.879+/-151.077 χ^2/NDF:18.6/17

Out: 9.788+/-153.110 χ^2/NDF:22.8/20

All: 117.251+/-107.539 χ^2/NDF: 42.3/38

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 345.355+/-0.192 χ^2/NDF:6095.0/1

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 353.227+/-0.190 χ^2/NDF:1885.3/1

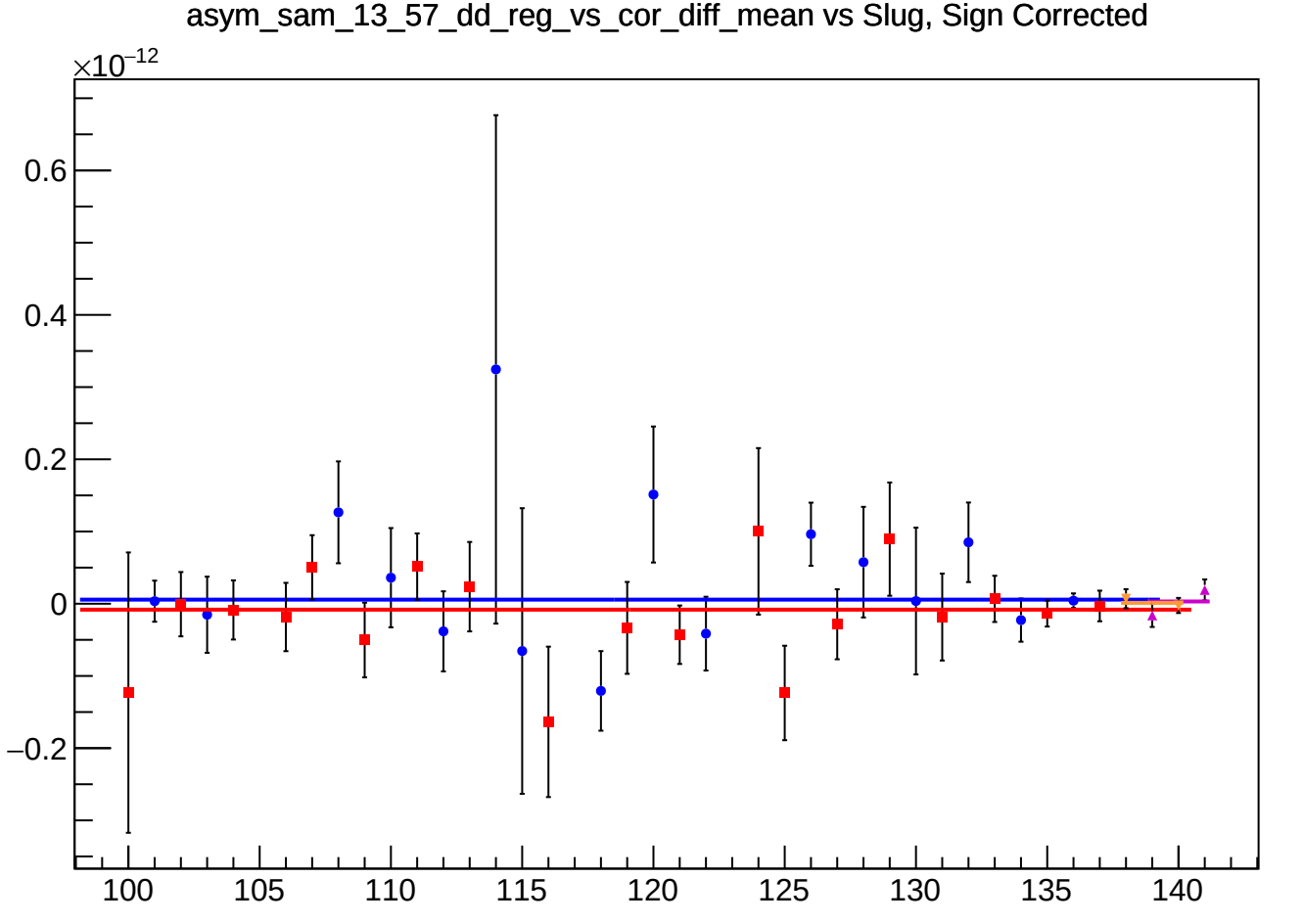
Left: 349.337+/-0.135 χ^2/NDF: 8828.1/3

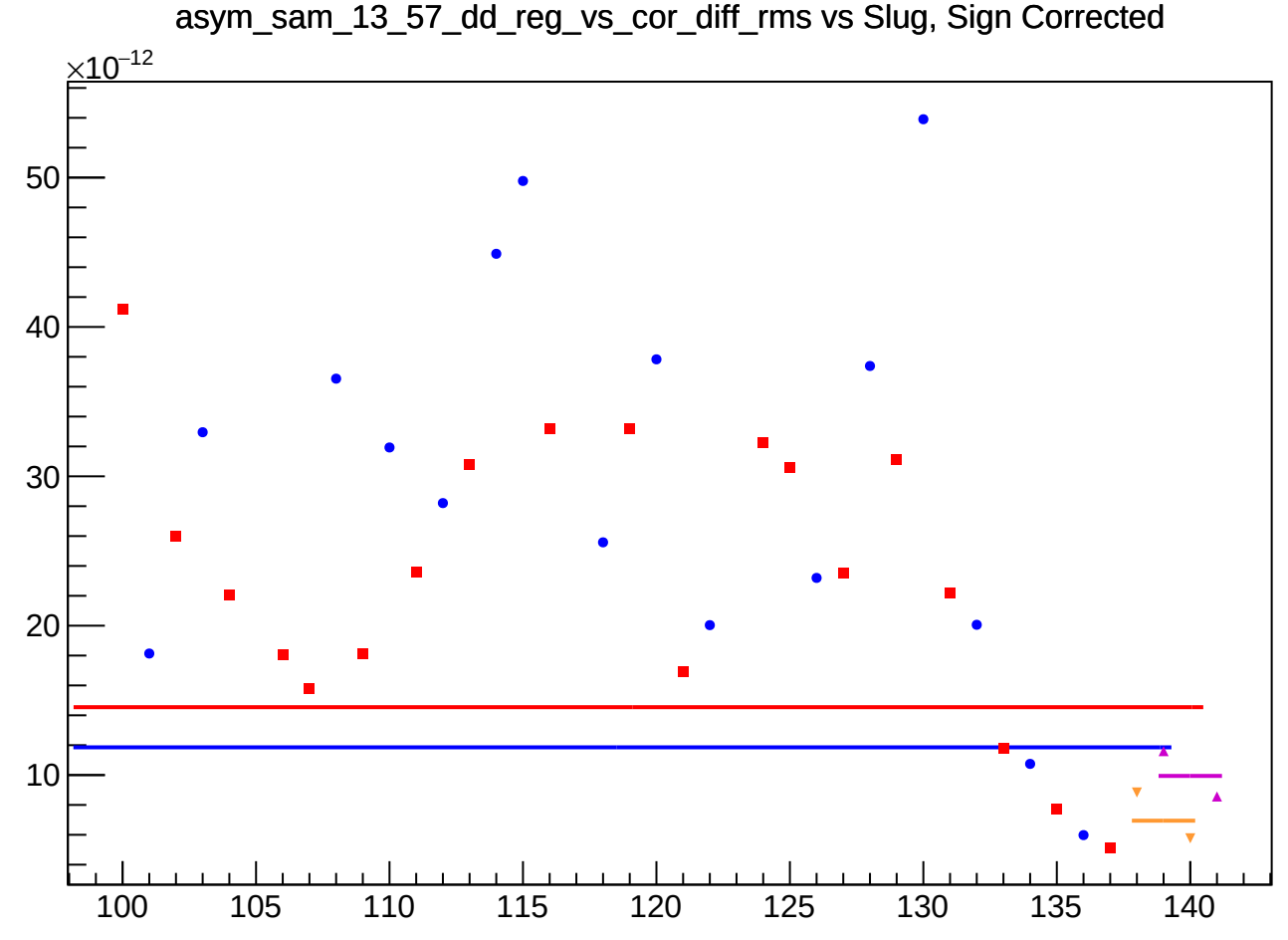
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 435.114+/-0.107 χ^2/NDF:1273467.3/17

Out: 444.876+/-0.108 χ^2/NDF:1245742.9/20

All: 439.930+/-0.076 χ^2/NDF: 2523330.0/38


asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 21.1/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/1
Right Out: -0.000+/-0.000 χ²/NDF: 14.0/18
Left In: 0.000+/-0.000 χ²/NDF:2.7/1
Left: 0.000+/-0.000 χ²/NDF: 3.0/3
Right: -0.000+/-0.000 χ²/NDF: 36.4/34
In: 0.000+/-0.000 χ²/NDF:23.8/17
Out: -0.000+/-0.000 χ²/NDF:14.9/20
All: 0.000+/-0.000 χ²/NDF: 39.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:66442.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:39309.2/1

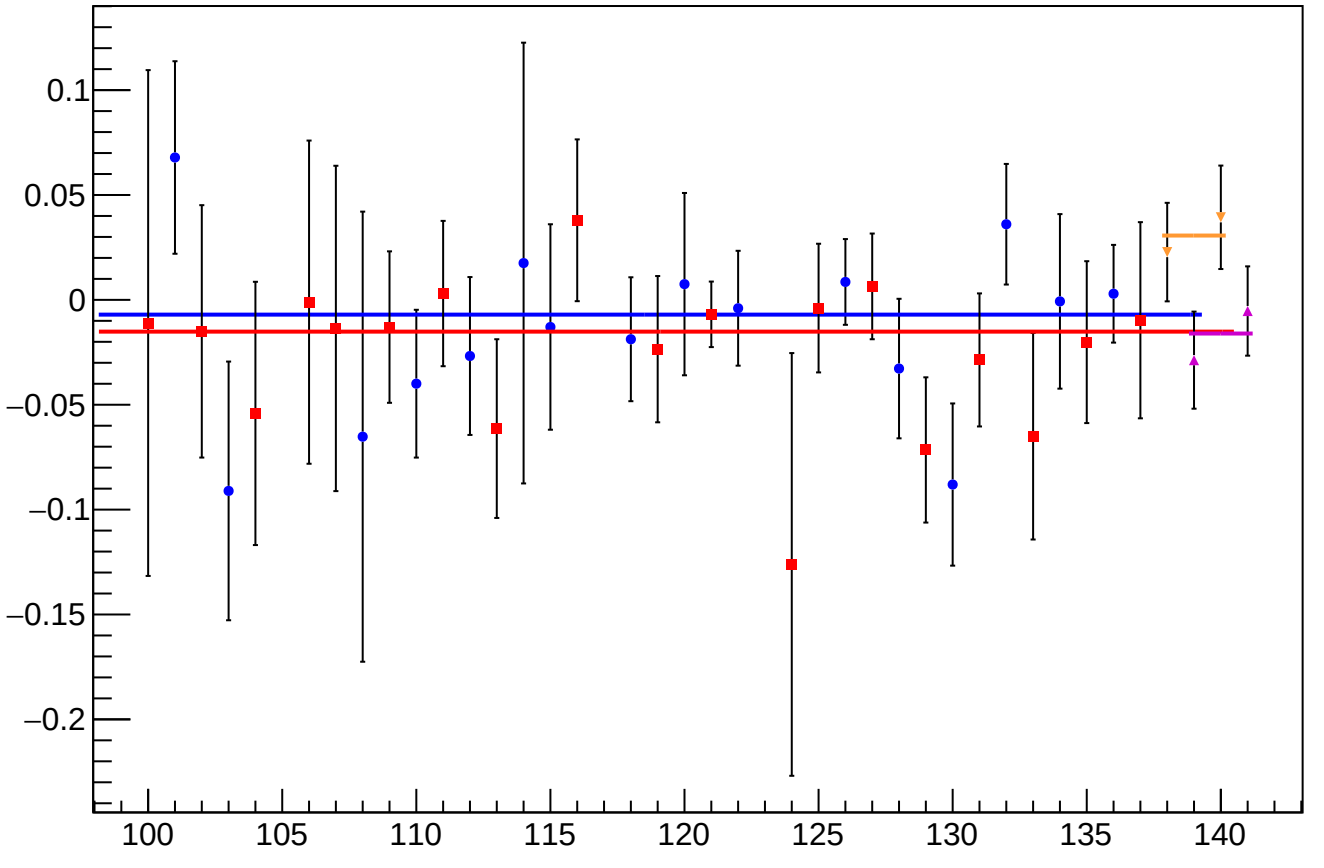
Left: 0.000+/-0.000 χ^2/NDF: 203742.8/3

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:2928081.0/17

Out: 0.000+/-0.000 χ^2/NDF:2589241.1/20

All: 0.000+/-0.000 χ^2/NDF: 5537577.9/38



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.031+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.016+/-0.016 χ^2/NDF:0.6/1

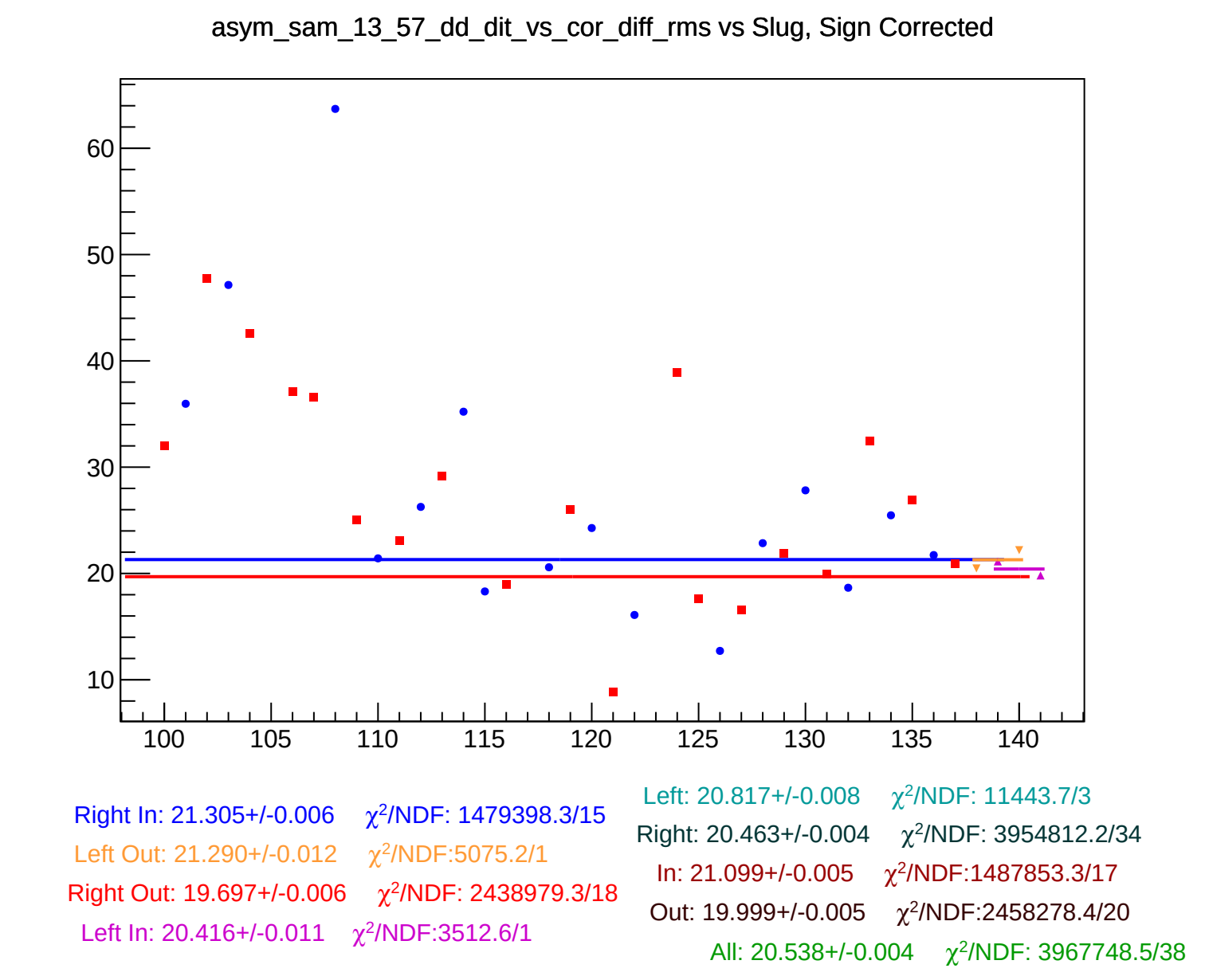
Left: 0.005+/-0.012 χ^2/NDF: 4.9/3

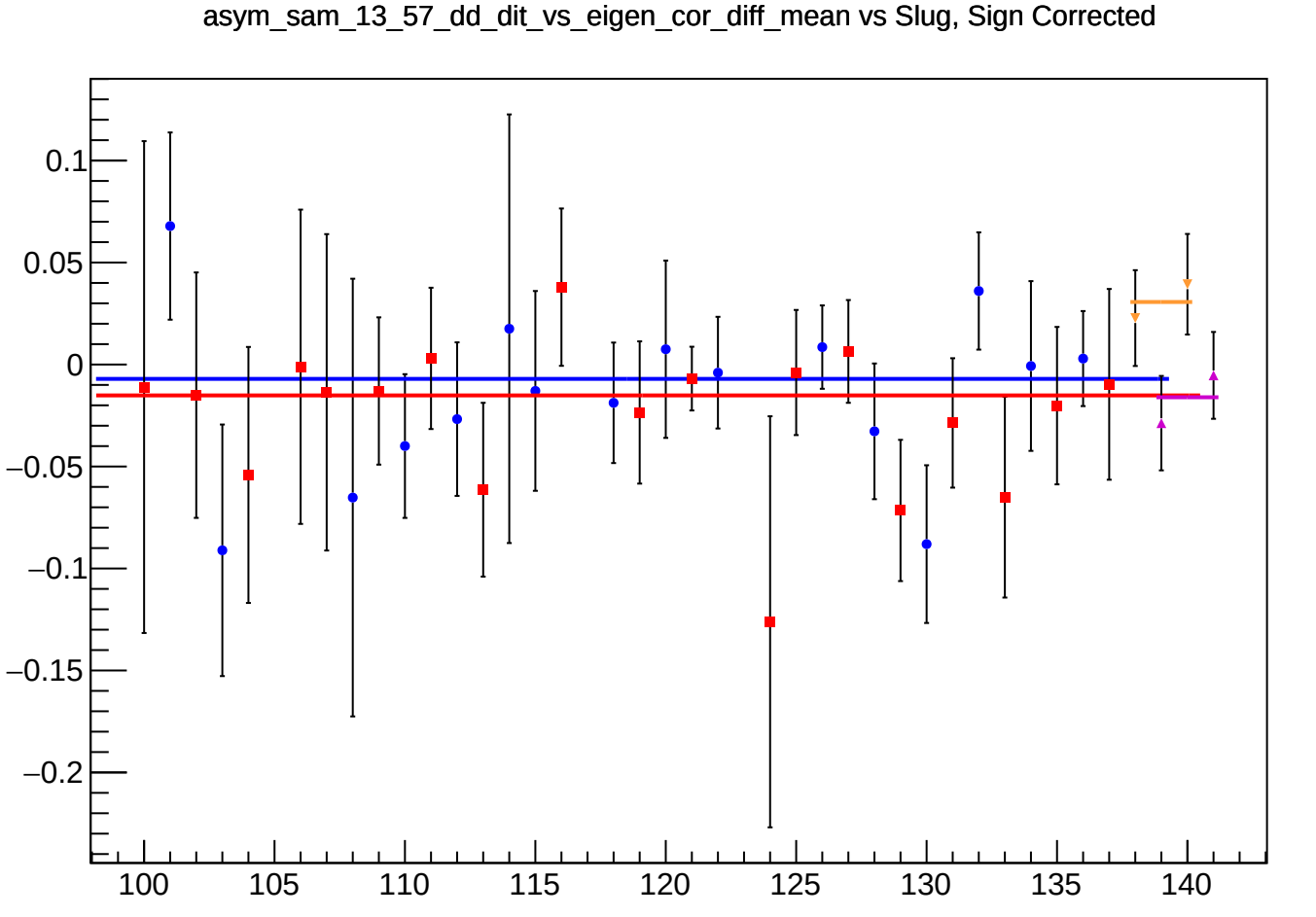
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.008 χ^2/NDF:15.1/17

Out: -0.006+/-0.007 χ^2/NDF:16.2/20

All: -0.008+/-0.005 χ^2/NDF: 31.4/38


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 21.290+/-0.012 χ²/NDF:5075.2/1
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 20.416+/-0.011 χ²/NDF:3512.6/1
Left: 20.817+/-0.008 χ²/NDF: 11443.7/3
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 21.099+/-0.005 χ²/NDF:1487853.3/17
Out: 19.999+/-0.005 χ²/NDF:2458278.4/20
All: 20.538+/-0.004 χ²/NDF: 3967748.5/38



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.031+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.016+/-0.016 χ^2/NDF:0.6/1

Left: 0.005+/-0.012 χ^2/NDF: 4.9/3

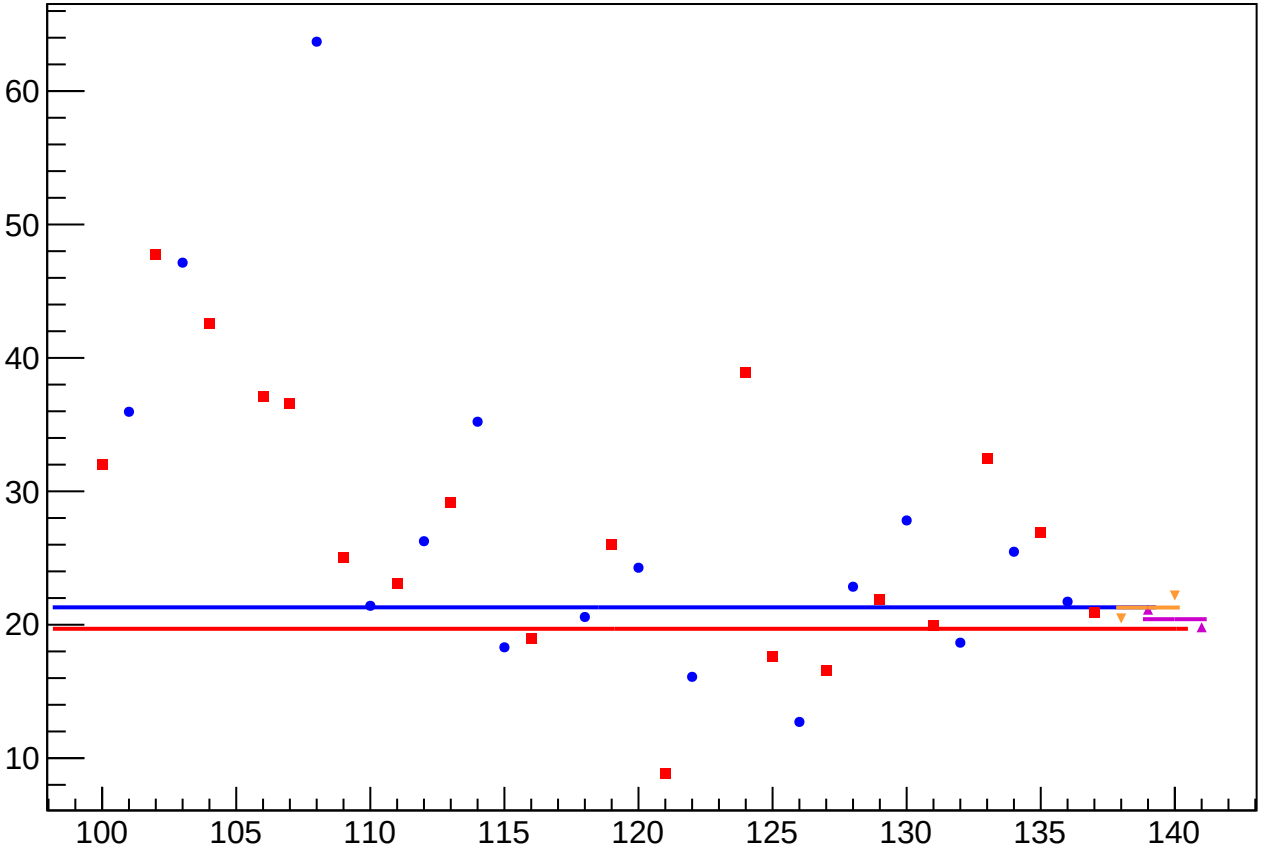
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.008 χ^2/NDF:15.1/17

Out: -0.006+/-0.007 χ^2/NDF:16.2/20

All: -0.008+/-0.005 χ^2/NDF: 31.4/38

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.290+/-0.012 χ^2/NDF:5075.2/1

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.416+/-0.011 χ^2/NDF:3512.6/1

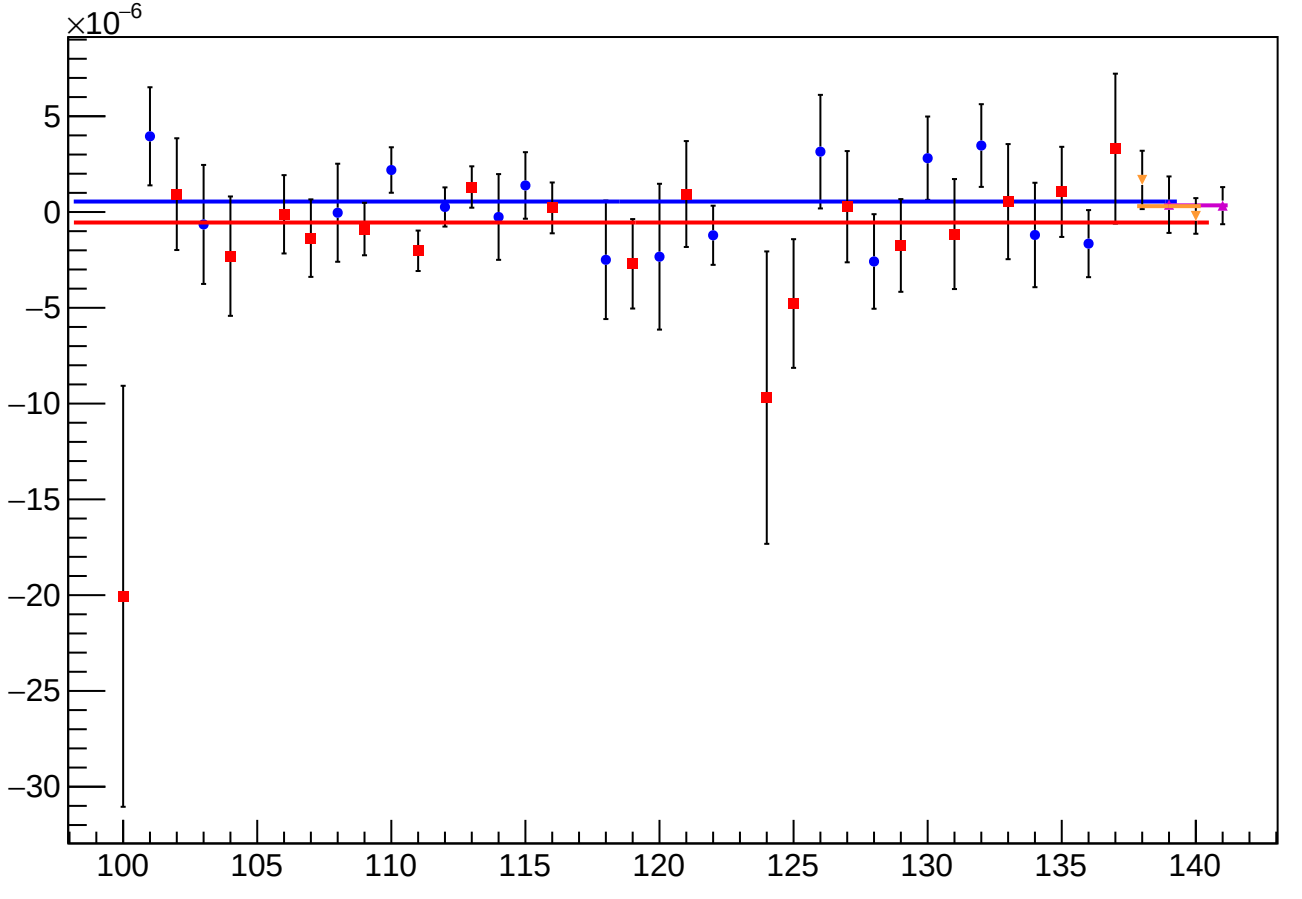
Left: 20.817+/-0.008 χ^2/NDF: 11443.7/3

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.099+/-0.005 χ^2/NDF:1487853.3/17

Out: 19.999+/-0.005 χ^2/NDF:2458278.4/20

All: 20.538+/-0.004 χ^2/NDF: 3967748.5/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

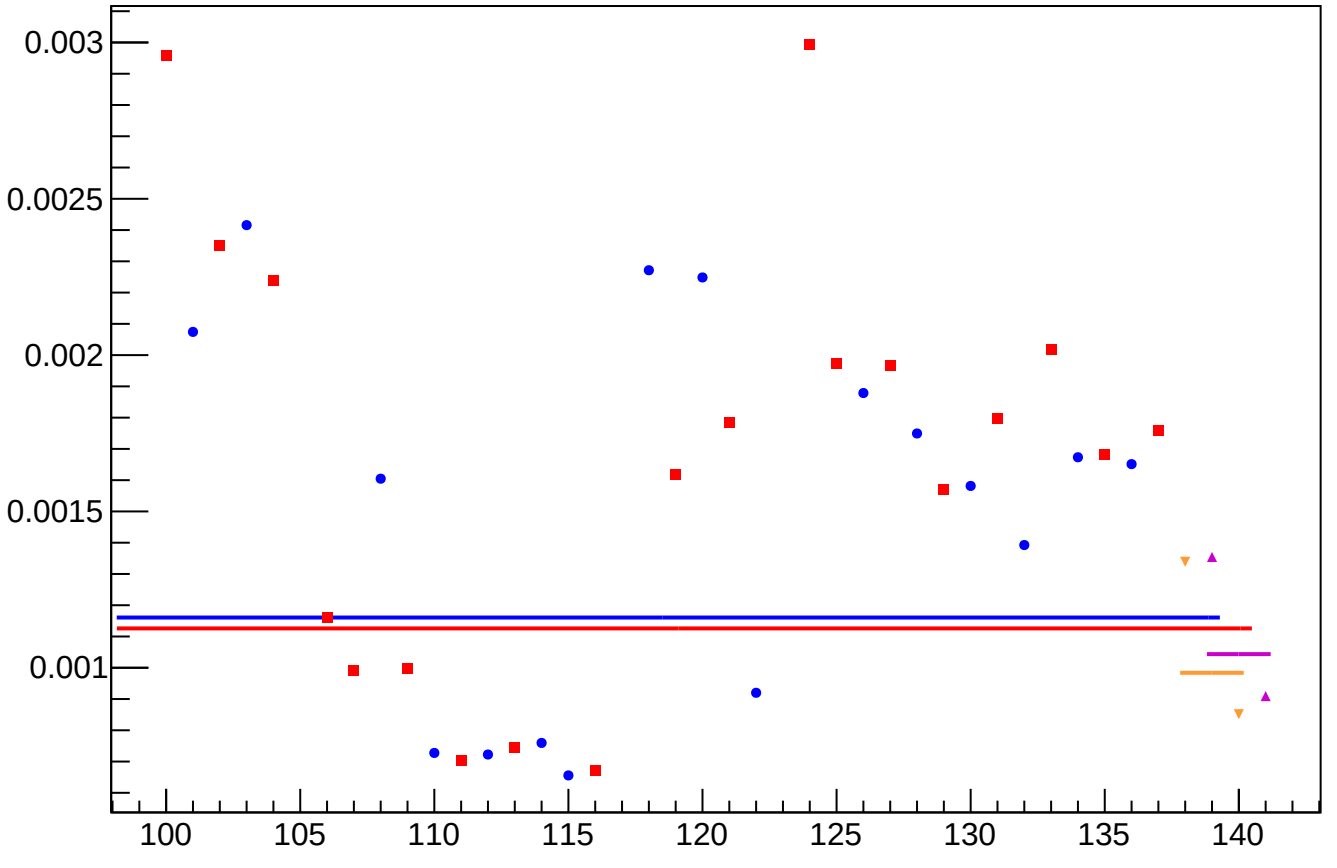
Left: 0.000+/-0.000 χ^2/NDF: 1.1/3

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:14.5/17

Out: -0.000+/-0.000 χ^2/NDF:17.3/20

All: 0.000+/-0.000 χ^2/NDF: 33.9/38



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:149435.1/1

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:127300.6/1

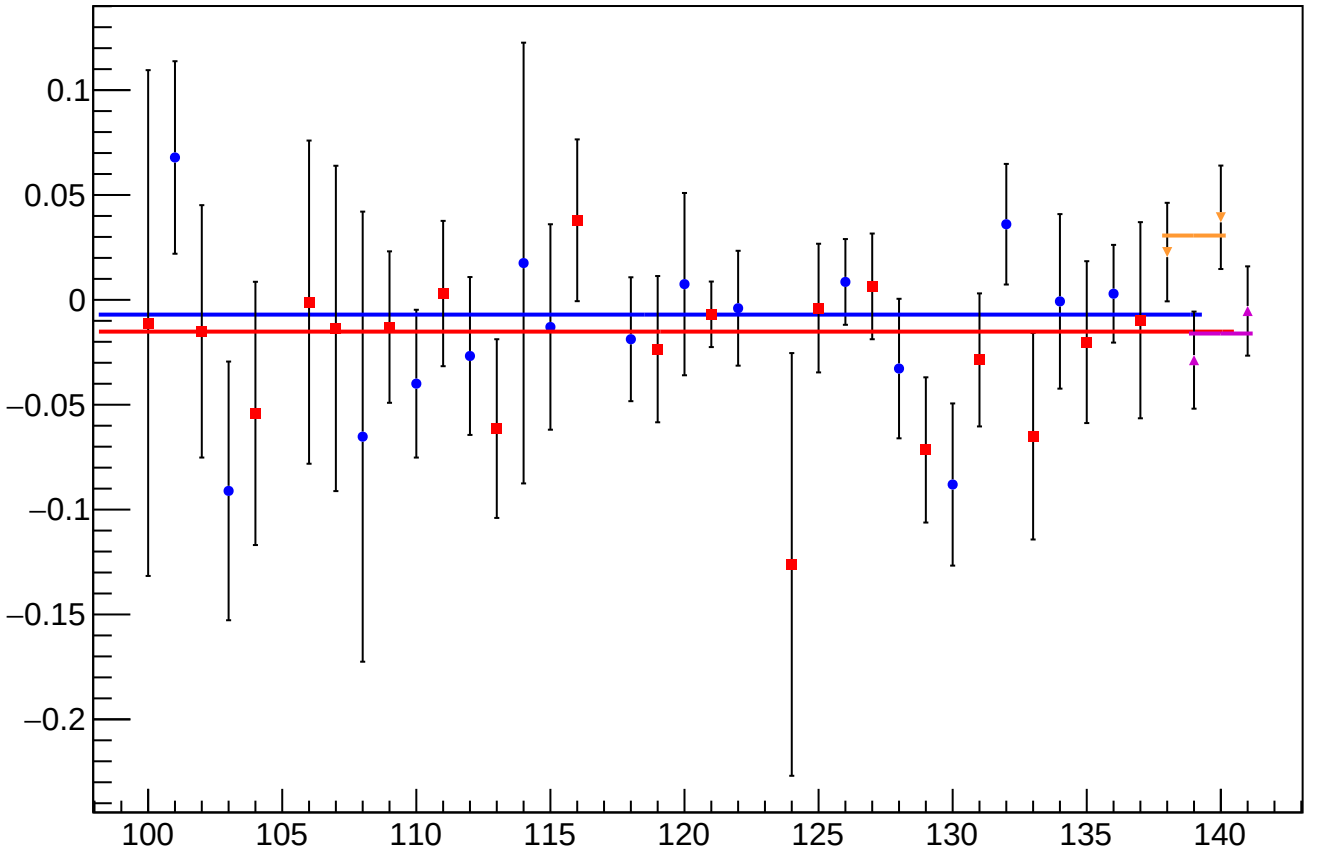
Left: 0.001+/-0.000 χ^2/NDF: 282285.2/3

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:2692928.3/17

Out: 0.001+/-0.000 χ^2/NDF:2821381.2/20

All: 0.001+/-0.000 χ^2/NDF: 5524096.9/38



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.031+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.016+/-0.016 χ^2/NDF:0.6/1

Left: 0.005+/-0.012 χ^2/NDF: 4.9/3

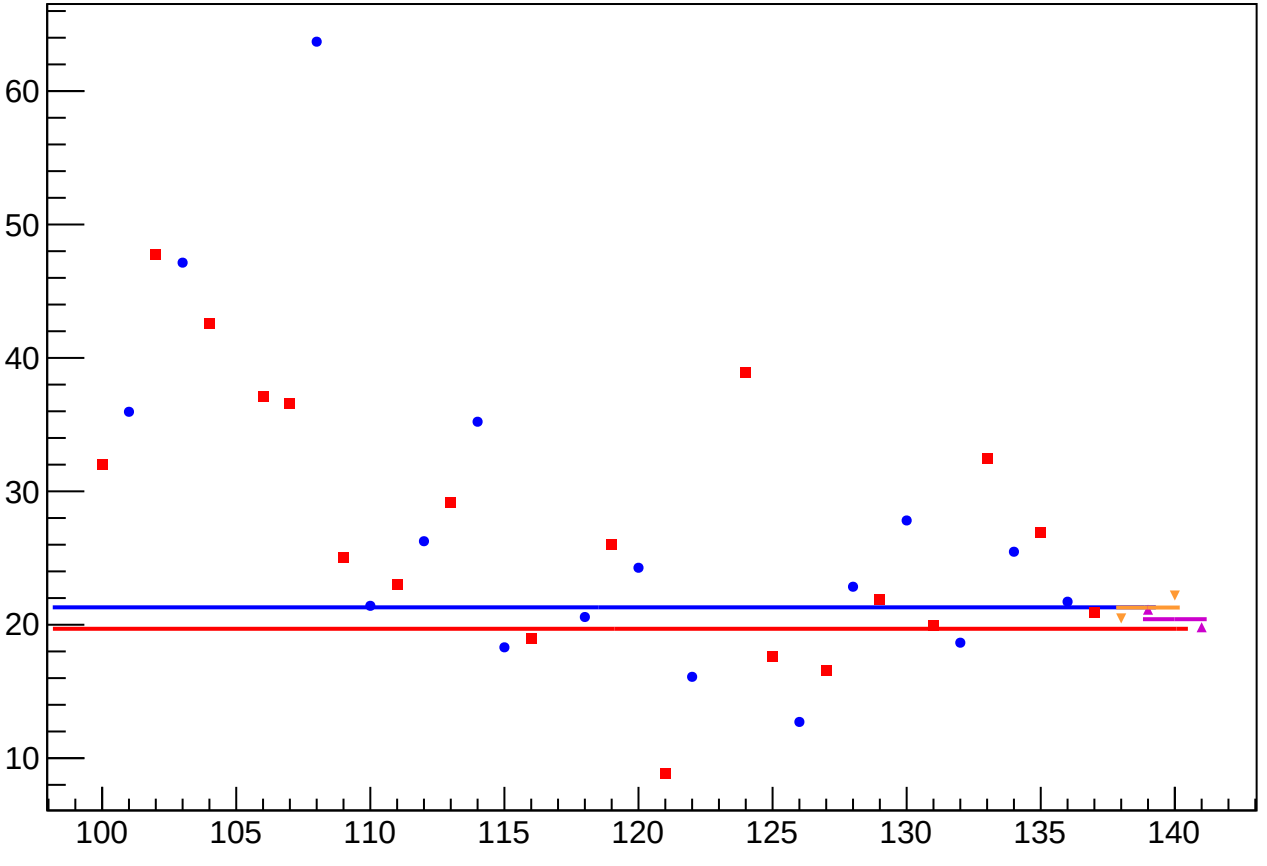
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.008 χ^2/NDF:15.1/17

Out: -0.006+/-0.007 χ^2/NDF:16.2/20

All: -0.008+/-0.005 χ^2/NDF: 31.4/38

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.290+/-0.012 χ^2/NDF:5075.2/1

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.417+/-0.011 χ^2/NDF:3510.5/1

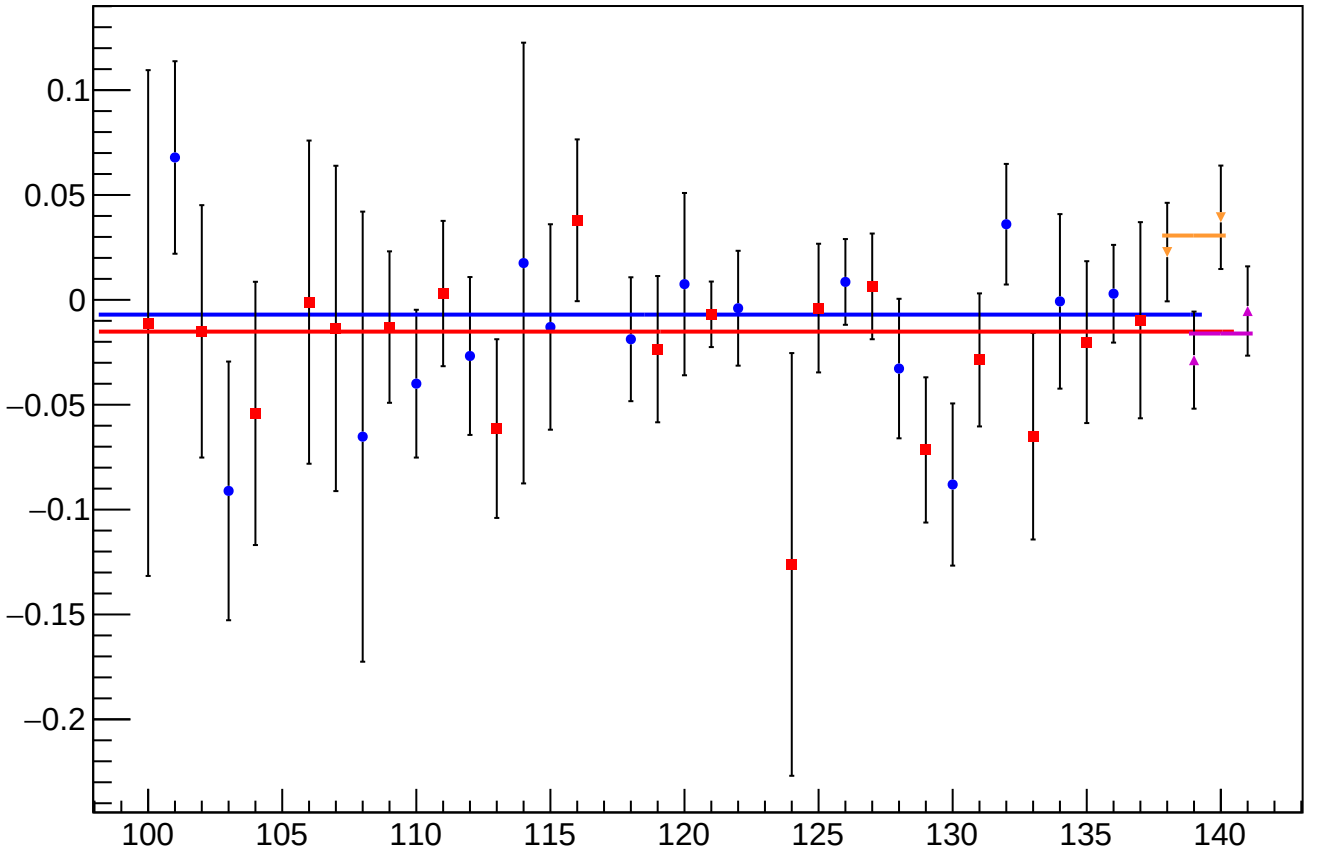
Left: 20.818+/-0.008 χ^2/NDF: 11441.9/3

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.099+/-0.005 χ^2/NDF:1487683.0/17

Out: 19.999+/-0.005 χ^2/NDF:2457907.7/20

All: 20.538+/-0.004 χ^2/NDF: 3967195.4/38



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.031+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.016+/-0.016 χ^2/NDF:0.6/1

Left: 0.005+/-0.012 χ^2/NDF: 4.9/3

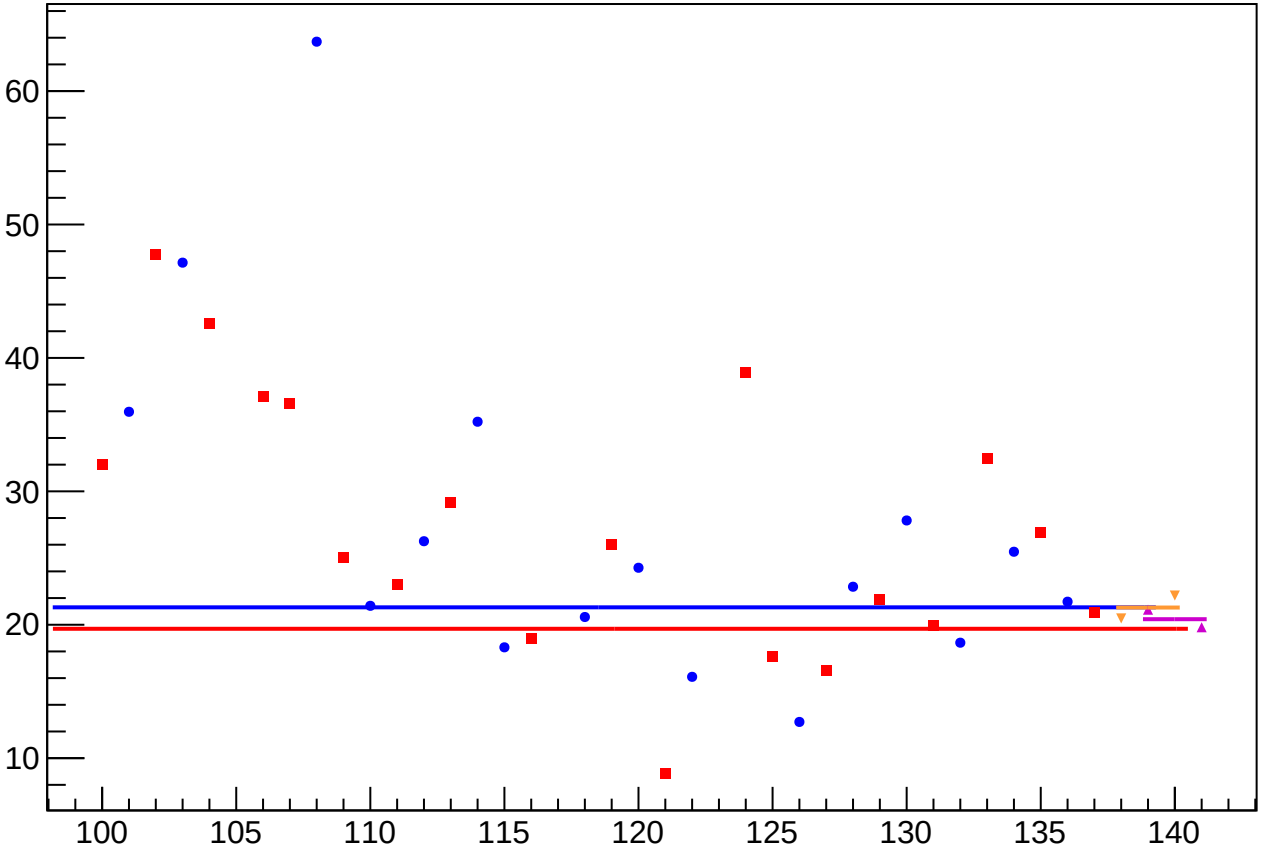
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.008 χ^2/NDF:15.1/17

Out: -0.006+/-0.007 χ^2/NDF:16.2/20

All: -0.008+/-0.005 χ^2/NDF: 31.4/38

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.290+/-0.012 χ^2/NDF:5075.2/1

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.417+/-0.011 χ^2/NDF:3510.5/1

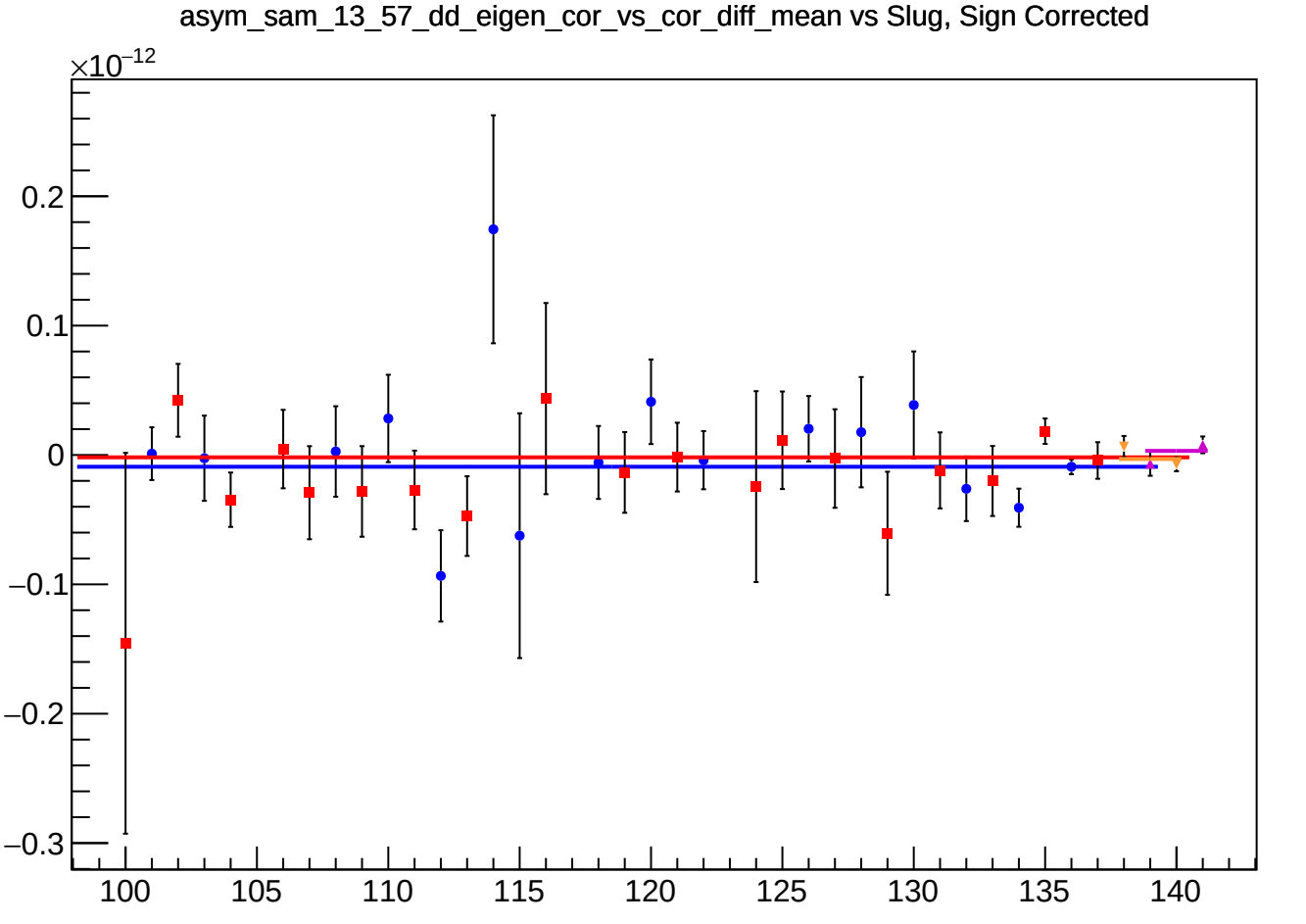
Left: 20.818+/-0.008 χ^2/NDF: 11441.9/3

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.099+/-0.005 χ^2/NDF:1487683.0/17

Out: 19.999+/-0.005 χ^2/NDF:2457907.7/20

All: 20.538+/-0.004 χ^2/NDF: 3967195.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/1

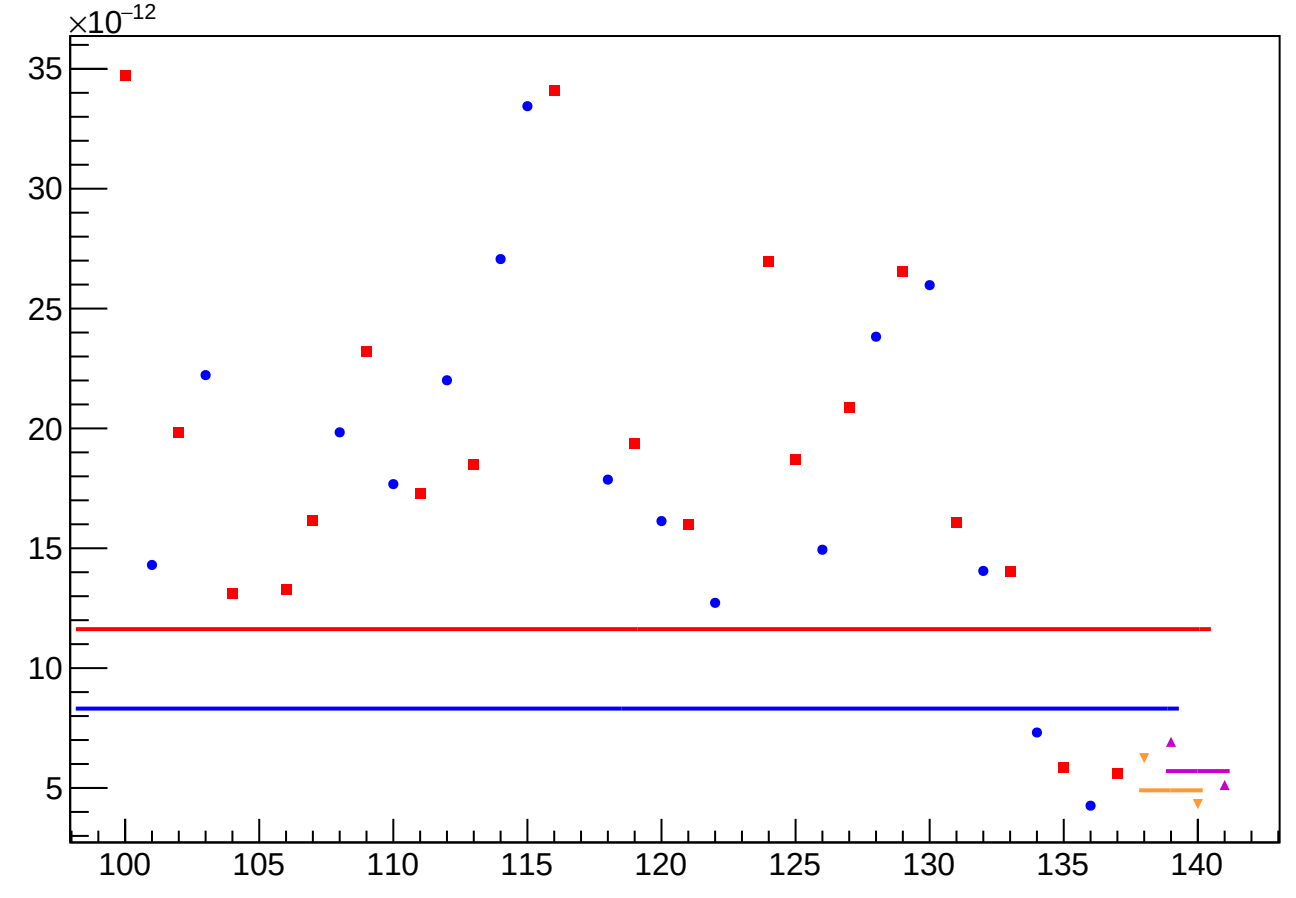
Left: -0.000+/-0.000 χ^2/NDF: 4.3/3

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:27.3/17

Out: -0.000+/-0.000 χ^2/NDF:18.9/20

All: -0.000+/-0.000 χ^2/NDF: 46.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:75700.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:49774.1/1

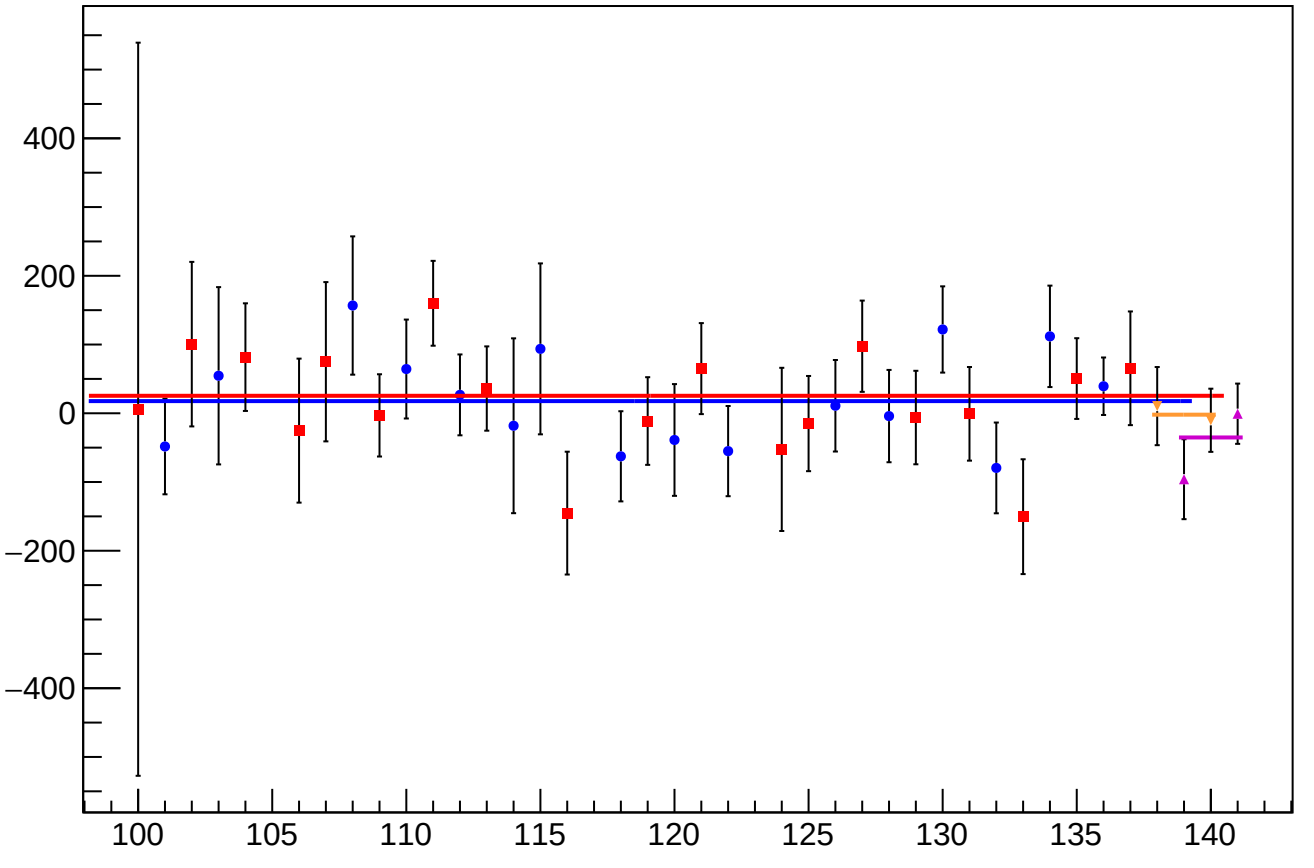
Left: 0.000+/-0.000 χ^2/NDF: 151846.6/3

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:4060732.1/17

Out: 0.000+/-0.000 χ^2/NDF:4402621.6/20

All: 0.000+/-0.000 χ^2/NDF: 8469416.3/38



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -2.044+/-35.735 χ^2/NDF:0.1/1

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -35.200+/-34.993 χ^2/NDF:1.7/1

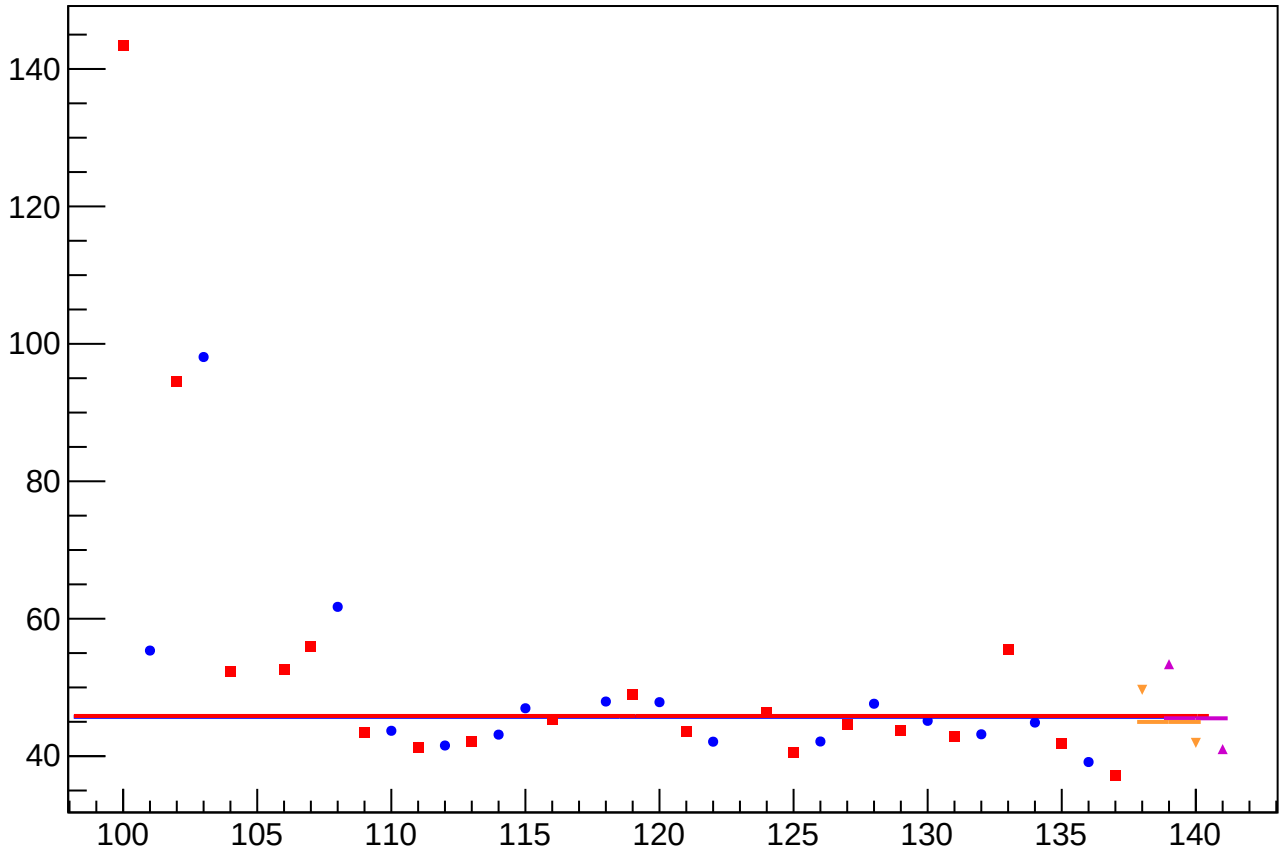
Left: -18.970+/-25.002 χ^2/NDF: 2.2/3

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: 7.146+/-15.630 χ^2/NDF:17.5/17

Out: 20.204+/-15.598 χ^2/NDF:18.4/20

All: 13.688+/-11.041 χ^2/NDF: 36.2/38



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 44.983+/-0.025 χ^2/NDF:22320.0/1

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 45.508+/-0.025 χ^2/NDF:57630.5/1

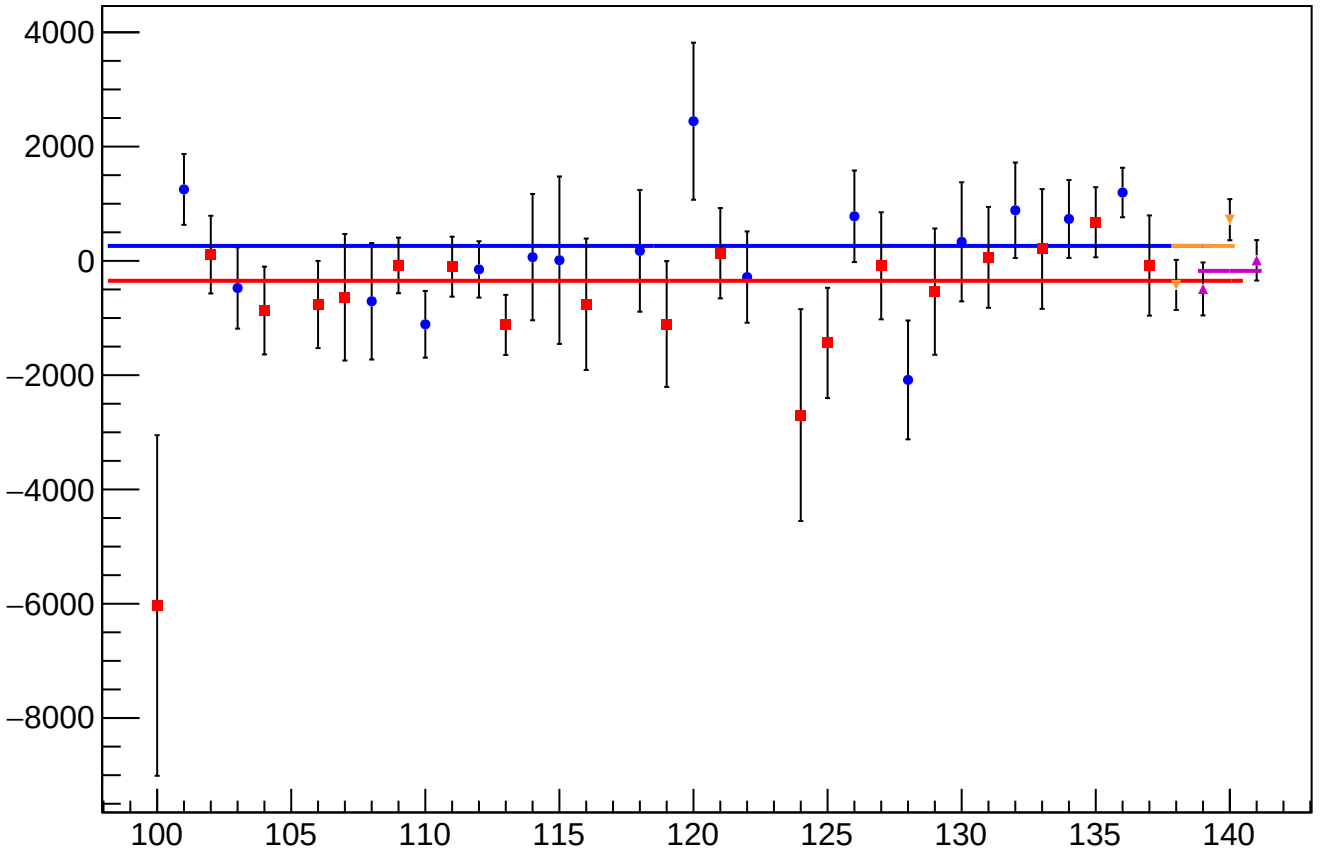
Left: 45.251+/-0.018 χ^2/NDF: 80171.3/3

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 45.683+/-0.011 χ^2/NDF:559153.5/17

Out: 45.684+/-0.011 χ^2/NDF:563428.2/20

All: 45.684+/-0.008 χ^2/NDF: 1122581.8/38



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 261.327+/-278.193 χ^2/NDF:4.1/1

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -174.866+/-281.460 χ^2/NDF:0.7/1

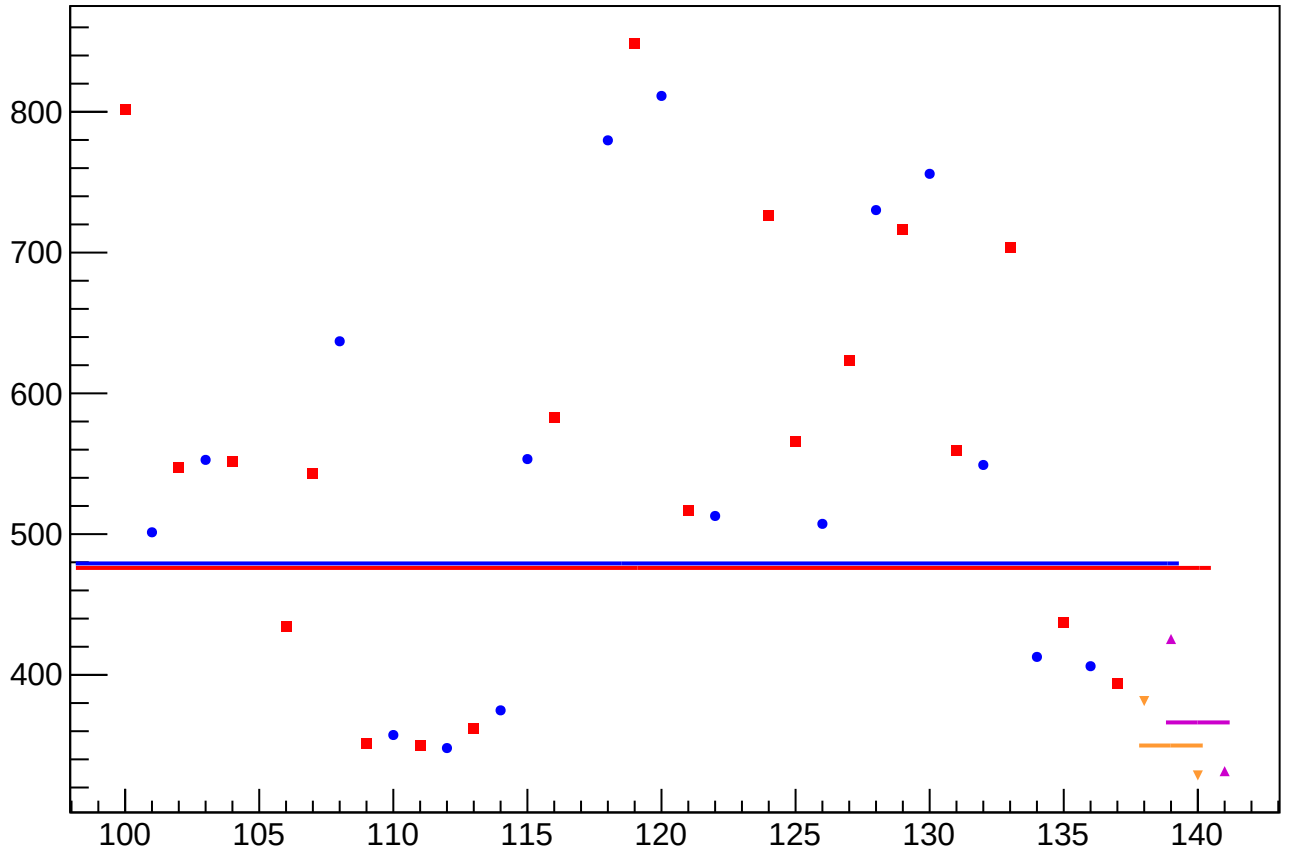
Left: 45.776+/-197.857 χ^2/NDF: 6.0/3

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 129.953+/-154.718 χ^2/NDF:27.4/17

Out: -167.707+/-151.527 χ^2/NDF:22.4/20

All: -21.978+/-108.257 χ^2/NDF: 51.6/38



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 349.840+/-0.197 χ^2/NDF:17346.5/1

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 366.239+/-0.199 χ^2/NDF:51790.7/1

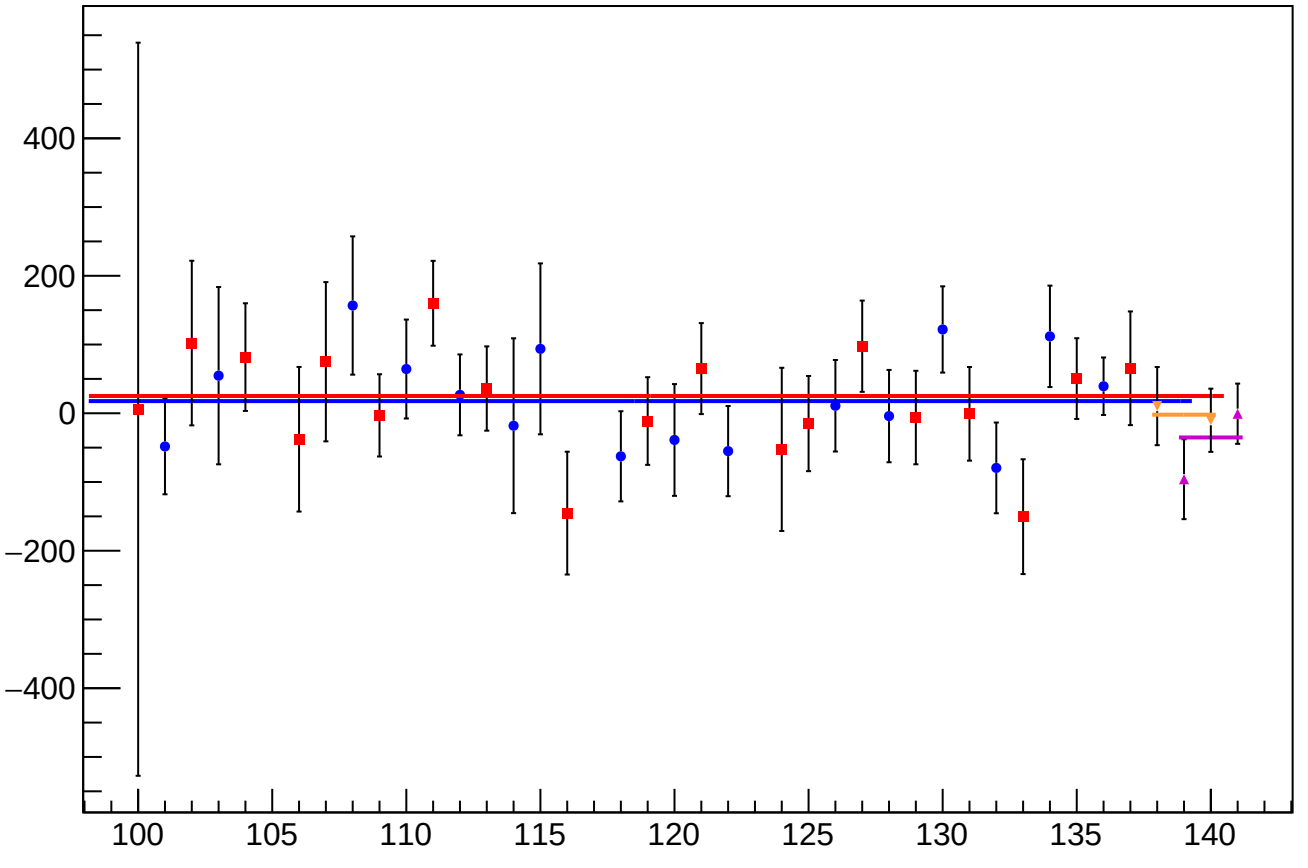
Left: 357.944+/-0.140 χ^2/NDF: 72571.4/3

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 445.051+/-0.109 χ^2/NDF:1229200.5/17

Out: 438.565+/-0.107 χ^2/NDF:1313086.2/20

All: 441.740+/-0.077 χ^2/NDF: 2544080.7/38



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -2.045+/-35.735 χ^2/NDF:0.1/1

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -35.196+/-34.993 χ^2/NDF:1.7/1

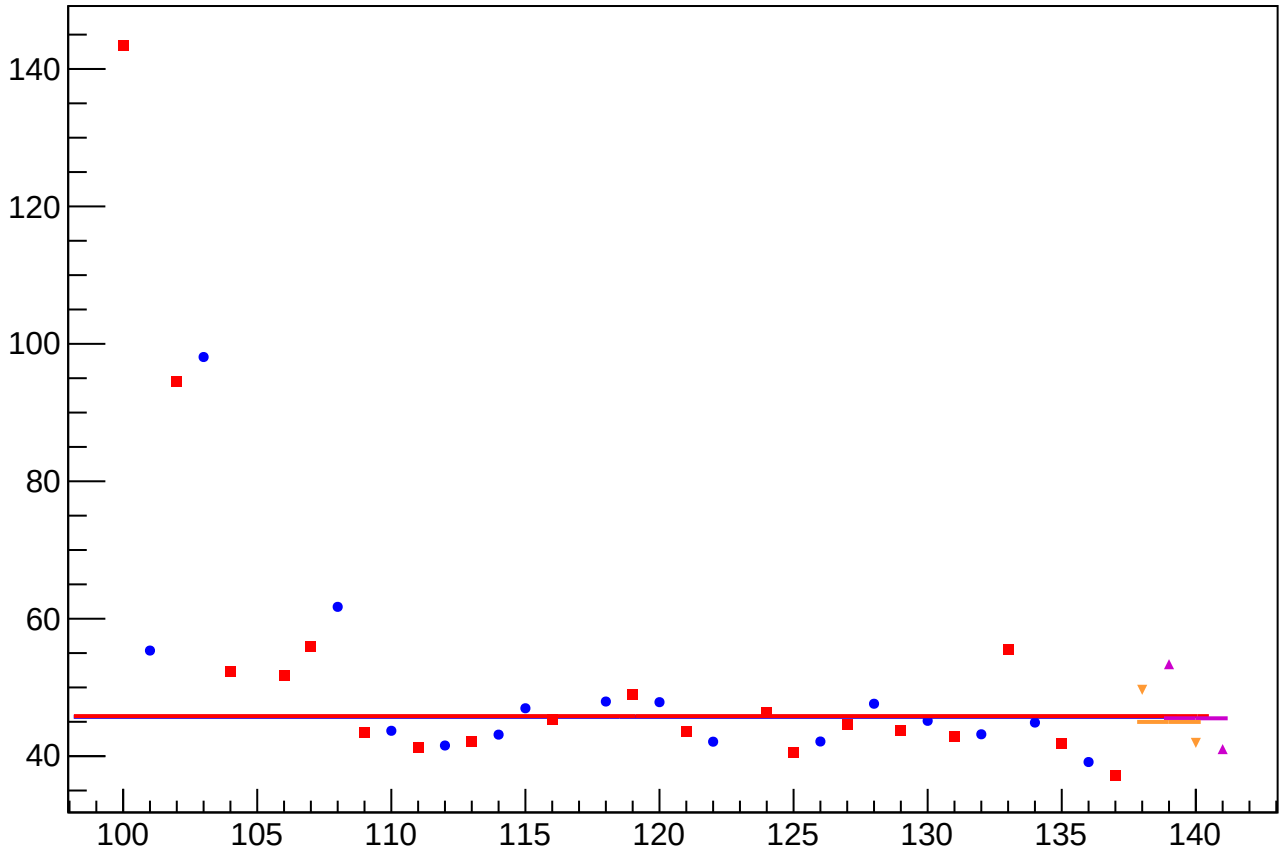
Left: -18.968+/-25.002 χ^2/NDF: 2.2/3

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: 7.151+/-15.630 χ^2/NDF:17.5/17

Out: 19.963+/-15.600 χ^2/NDF:18.5/20

All: 13.570+/-11.041 χ^2/NDF: 36.4/38



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 44.983+/-0.025 χ^2/NDF:22320.0/1

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 45.508+/-0.025 χ^2/NDF:57630.5/1

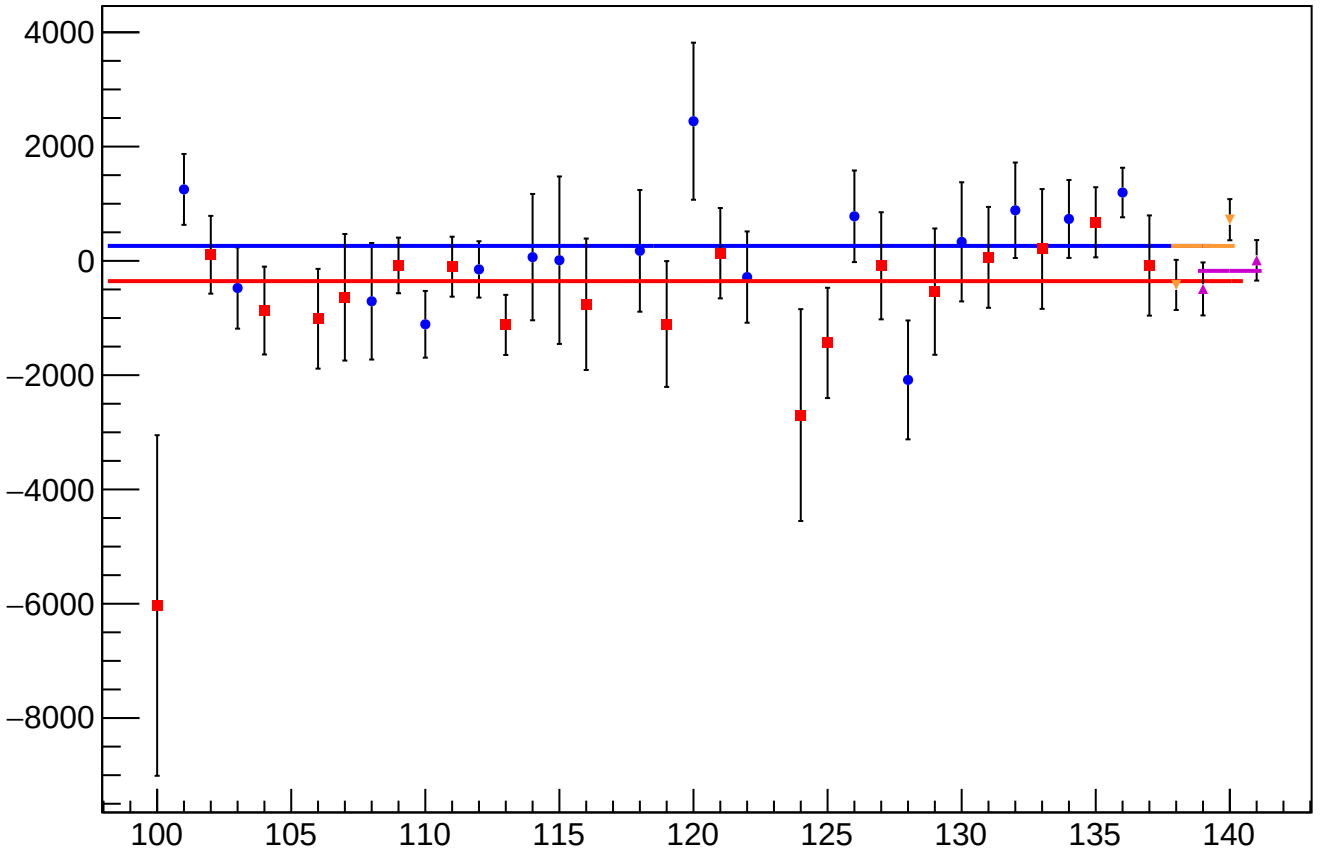
Left: 45.251+/-0.018 χ^2/NDF: 80171.3/3

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 45.683+/-0.011 χ^2/NDF:559156.6/17

Out: 45.665+/-0.011 χ^2/NDF:561690.3/20

All: 45.674+/-0.008 χ^2/NDF: 1120848.3/38



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 261.326+/-278.193 χ^2/NDF:4.1/1

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -174.864+/-281.461 χ^2/NDF:0.7/1

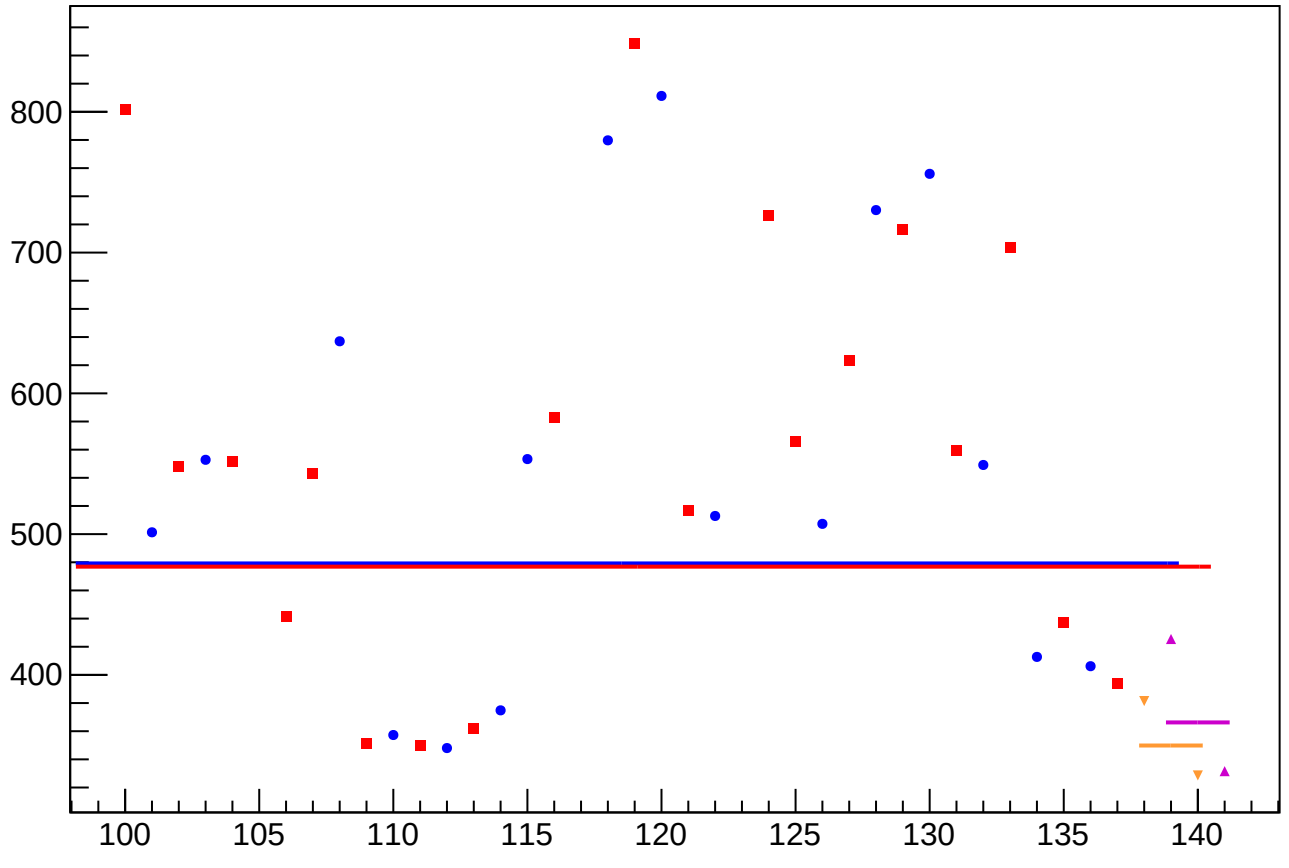
Left: 45.778+/-197.857 χ^2/NDF: 6.0/3

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 129.956+/-154.719 χ^2/NDF:27.4/17

Out: -169.854+/-152.245 χ^2/NDF:22.7/20

All: -22.365+/-108.518 χ^2/NDF: 52.0/38



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 349.840+/-0.197 χ^2/NDF:17346.9/1

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 366.239+/-0.199 χ^2/NDF:51789.7/1

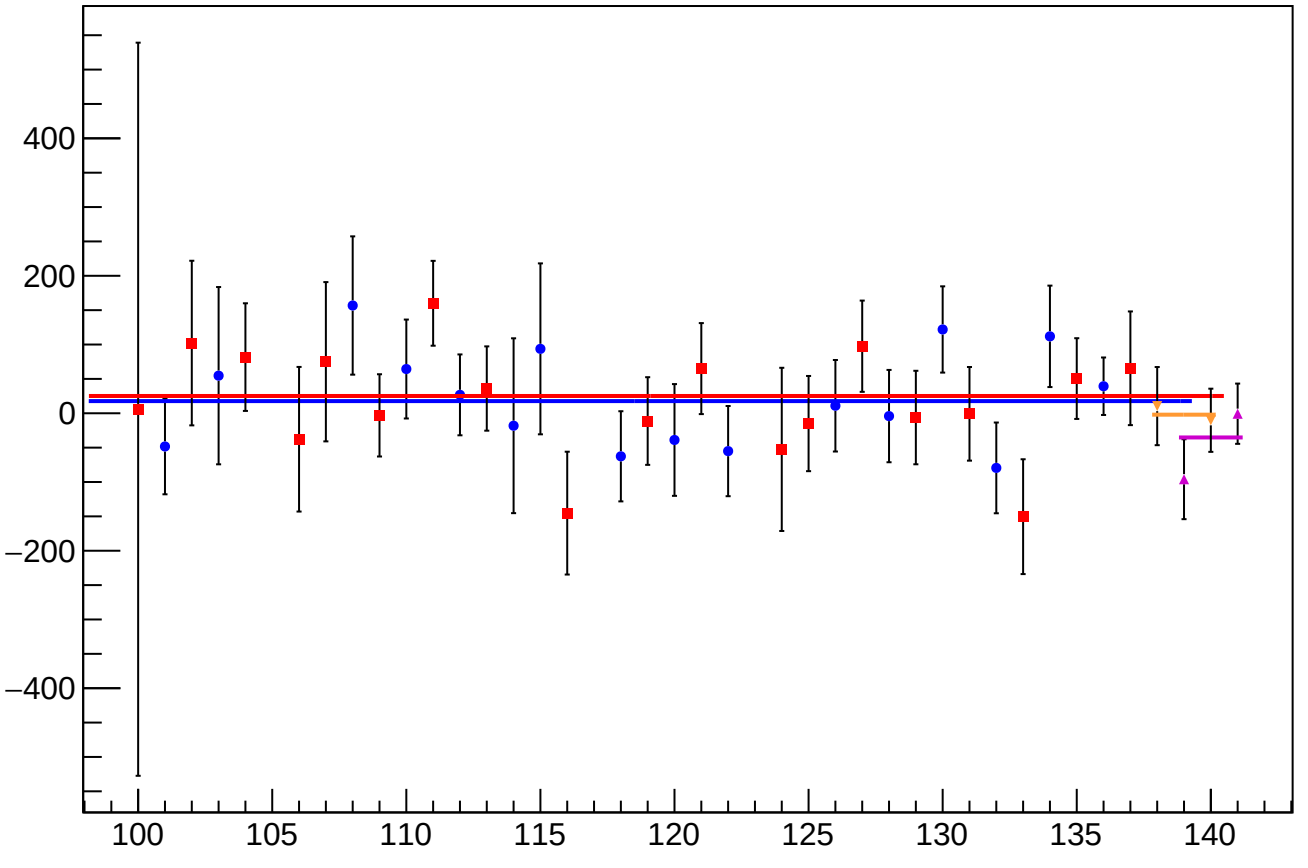
Left: 357.944+/-0.140 χ^2/NDF: 72571.2/3

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 445.053+/-0.109 χ^2/NDF:1229233.1/17

Out: 438.841+/-0.108 χ^2/NDF:1313338.5/20

All: 441.897+/-0.077 χ^2/NDF: 2544209.6/38



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -2.045+/-35.735 χ^2/NDF:0.1/1

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -35.196+/-34.993 χ^2/NDF:1.7/1

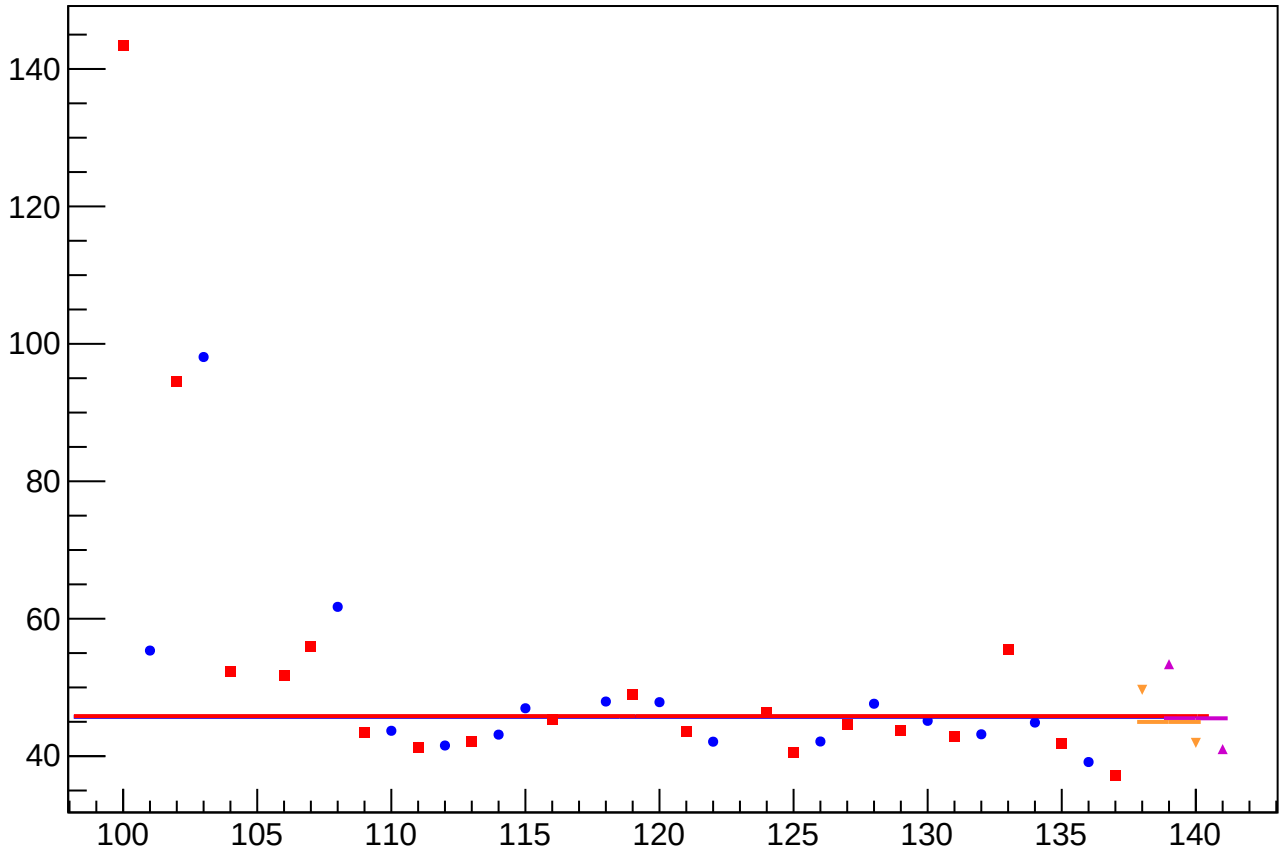
Left: -18.968+/-25.002 χ^2/NDF: 2.2/3

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: 7.151+/-15.630 χ^2/NDF:17.5/17

Out: 19.963+/-15.600 χ^2/NDF:18.5/20

All: 13.570+/-11.041 χ^2/NDF: 36.4/38



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 44.983+/-0.025 χ^2/NDF:22320.0/1

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 45.508+/-0.025 χ^2/NDF:57630.5/1

Left: 45.251+/-0.018 χ^2/NDF: 80171.3/3

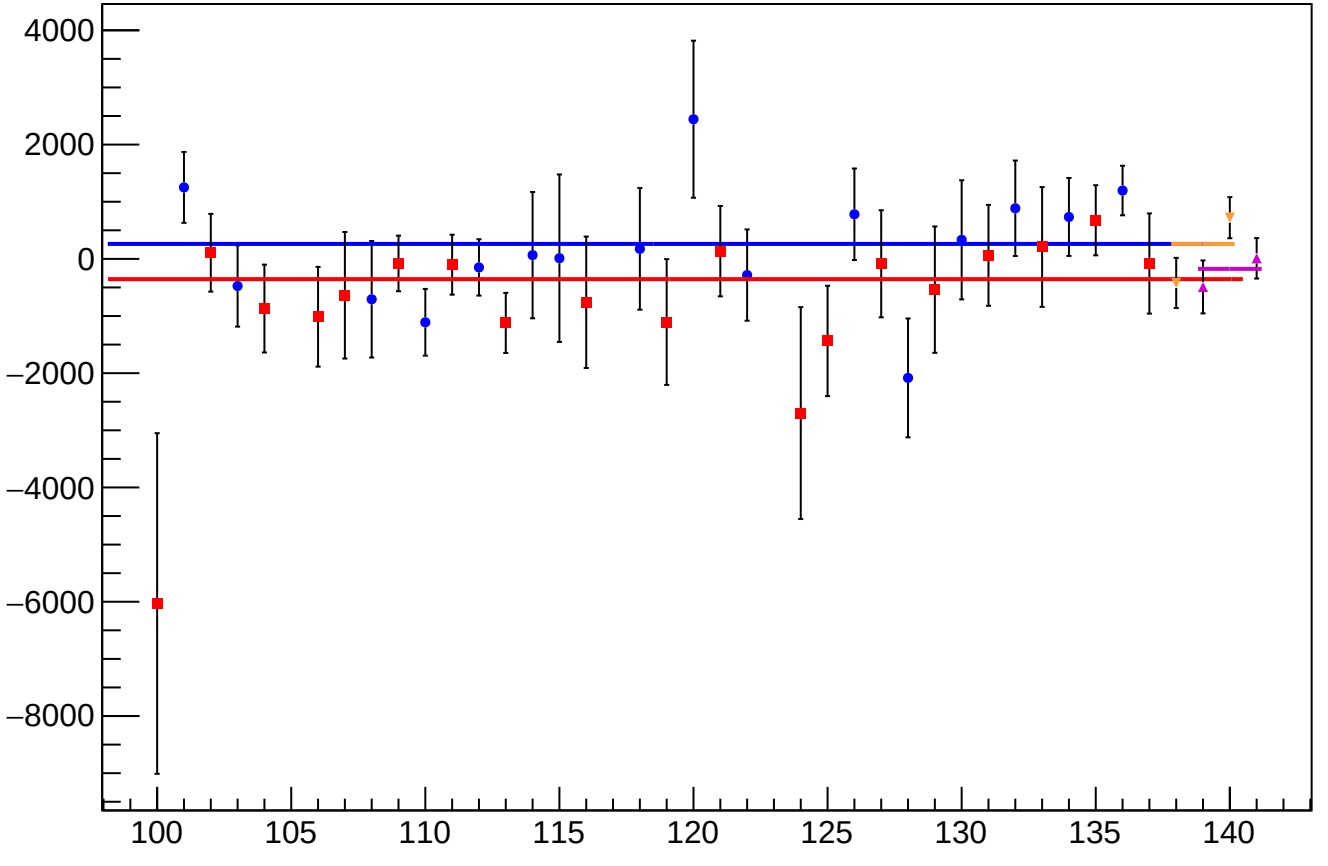
Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 45.683+/-0.011 χ^2/NDF:559156.6/17

Out: 45.665+/-0.011 χ^2/NDF:561690.3/20

All: 45.674+/-0.008 χ^2/NDF: 1120848.3/38

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 261.326+/-278.193 χ^2/NDF:4.1/1

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -174.864+/-281.461 χ^2/NDF:0.7/1

Left: 45.778+/-197.857 χ^2/NDF: 6.0/3

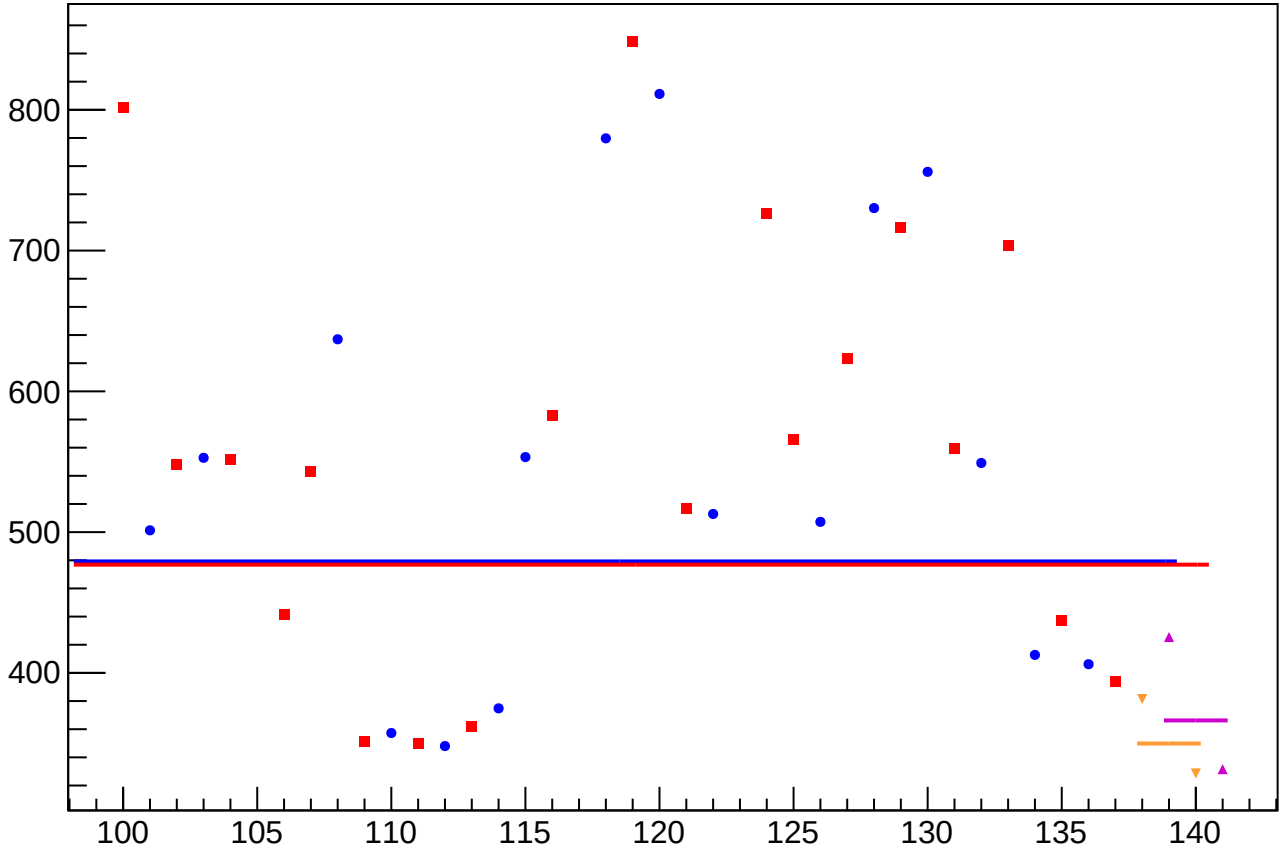
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 129.956+/-154.719 χ^2/NDF:27.4/17

Out: -169.854+/-152.245 χ^2/NDF:22.7/20

All: -22.365+/-108.518 χ^2/NDF: 52.0/38

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 349.840+/-0.197 χ^2/NDF:17346.9/1

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 366.239+/-0.199 χ^2/NDF:51789.7/1

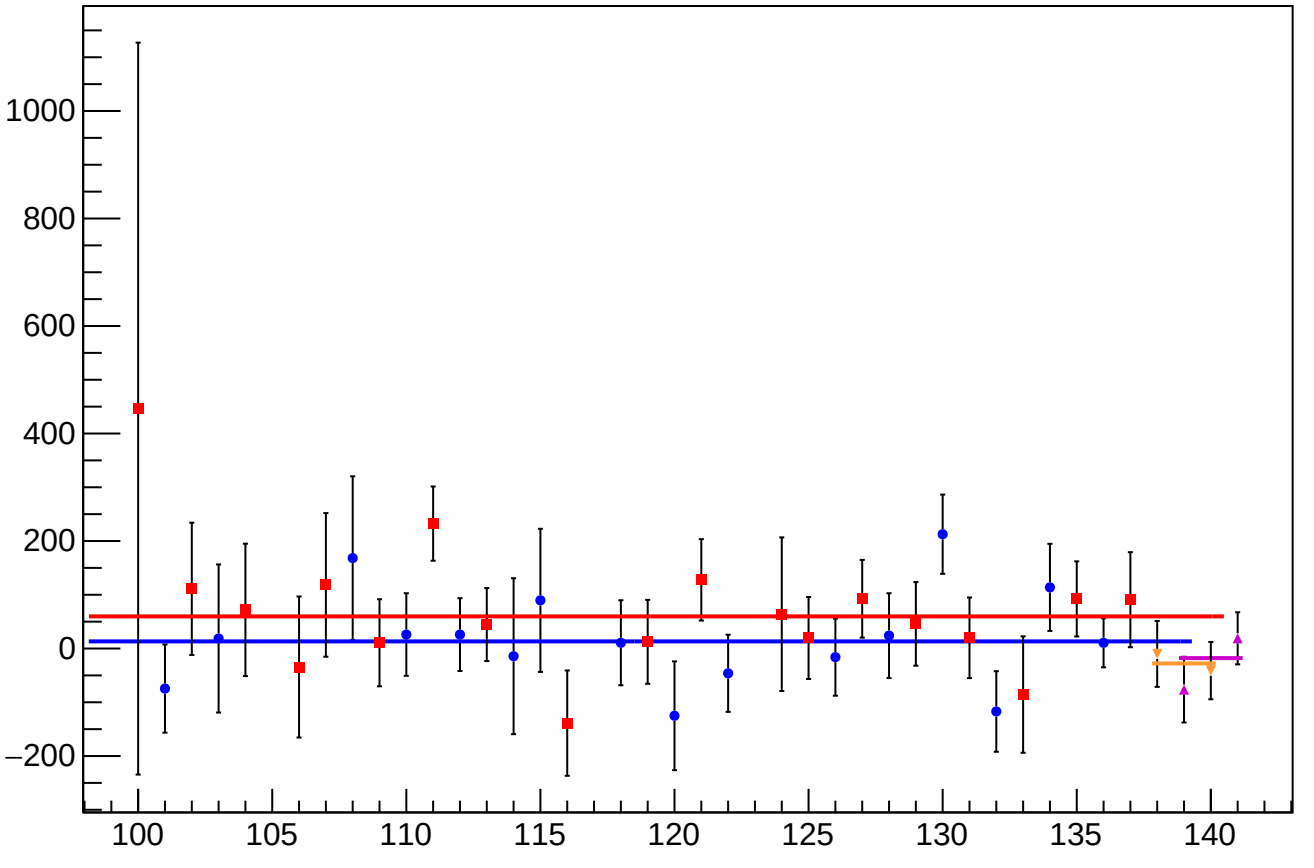
Left: 357.944+/-0.140 χ^2/NDF: 72571.2/3

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 445.053+/-0.109 χ^2/NDF:1229233.1/17

Out: 438.841+/-0.108 χ^2/NDF:1313338.5/20

All: 441.897+/-0.077 χ^2/NDF: 2544209.6/38



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -27.739+/-40.235 χ^2/NDF:0.1/1

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -17.818+/-37.971 χ^2/NDF:1.5/1

Left: -22.492+/-27.615 χ^2/NDF: 1.7/3

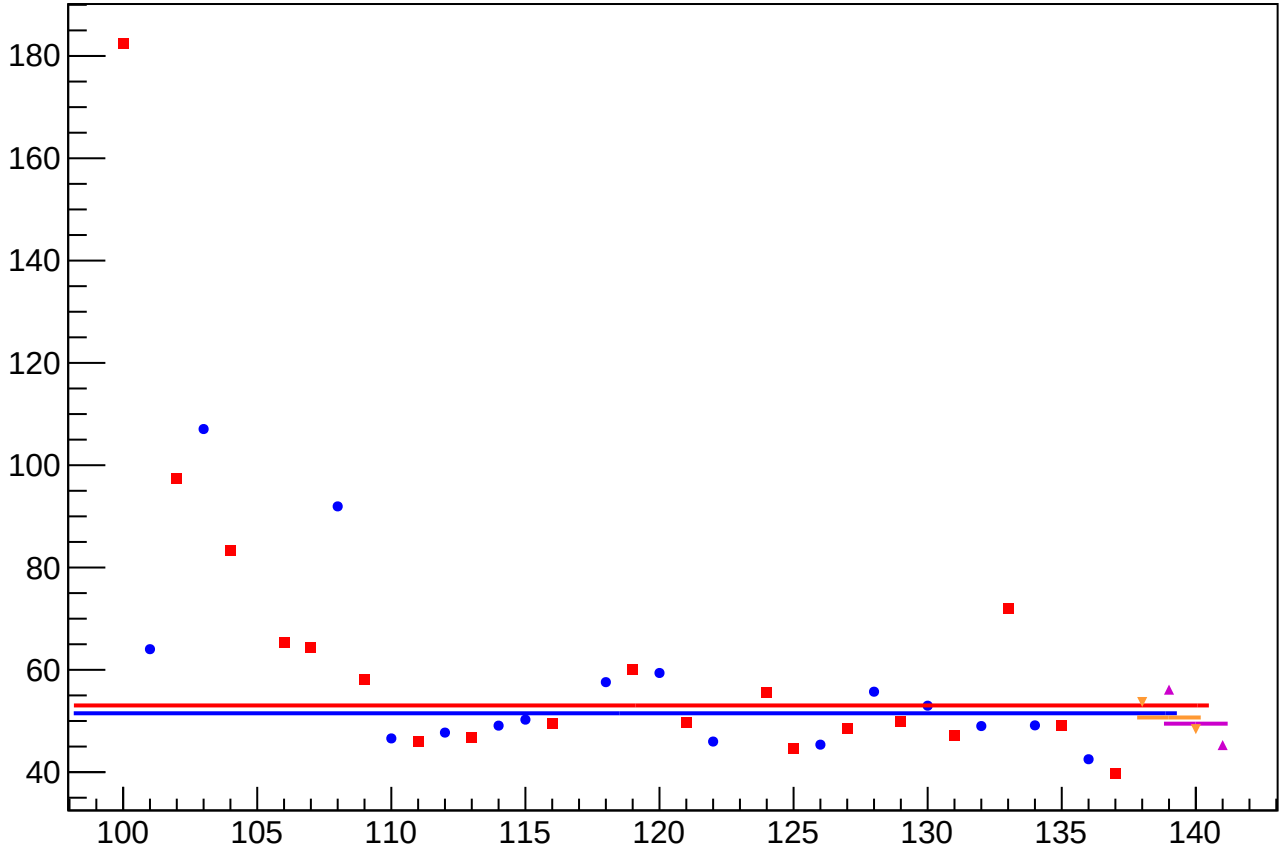
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: 6.595+/-17.591 χ^2/NDF:19.3/17

Out: 42.138+/-18.077 χ^2/NDF:20.0/20

All: 23.882+/-12.607 χ^2/NDF: 41.3/38

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 50.685+/-0.028 χ^2/NDF:8524.7/1

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 49.476+/-0.027 χ^2/NDF:38585.6/1

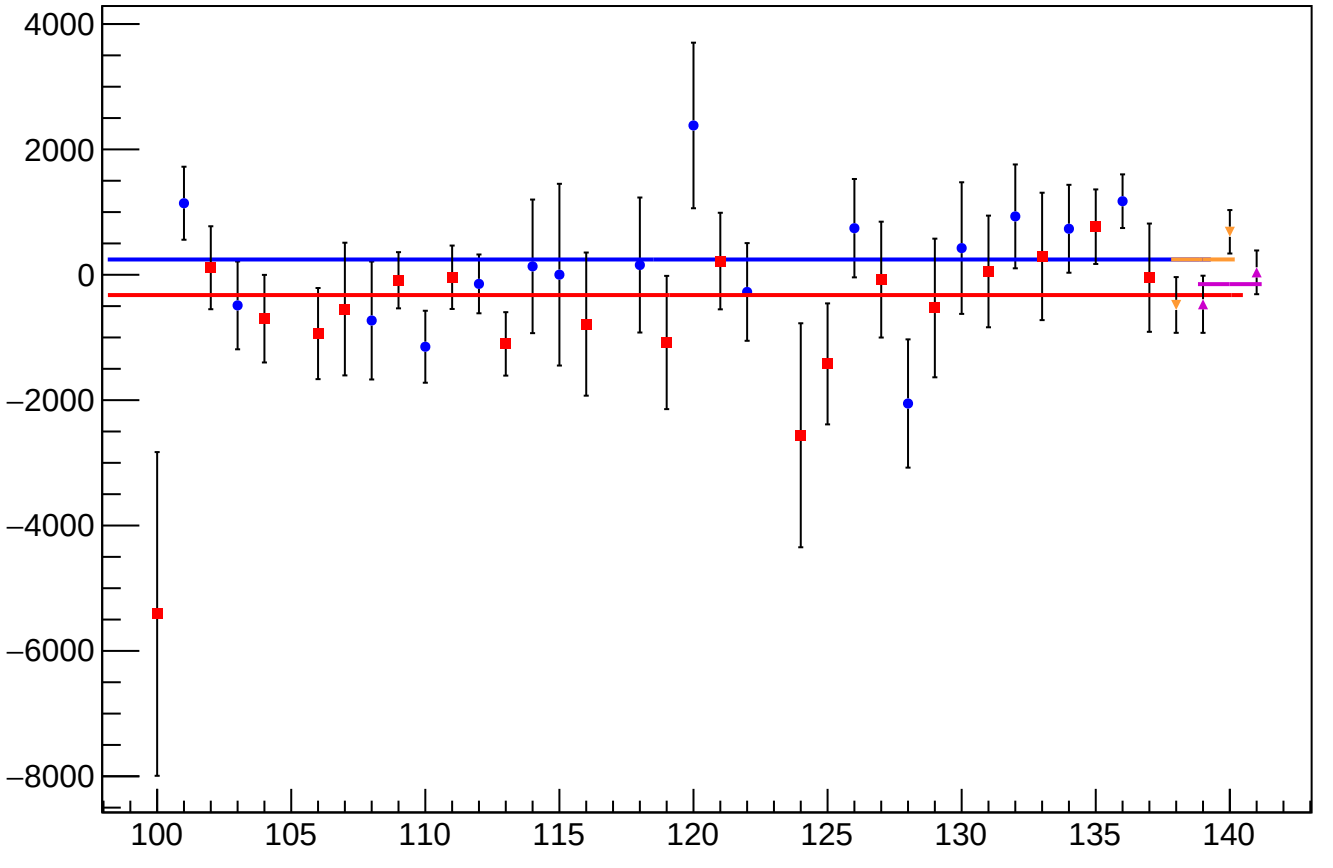
Left: 50.045+/-0.020 χ^2/NDF: 48064.7/3

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 51.070+/-0.012 χ^2/NDF:710131.6/17

Out: 52.562+/-0.013 χ^2/NDF:726891.1/20

All: 51.796+/-0.009 χ^2/NDF: 1444025.1/38



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 244.549+/-273.340 χ^2/NDF:4.3/1

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -149.228+/-277.013 χ^2/NDF:0.8/1

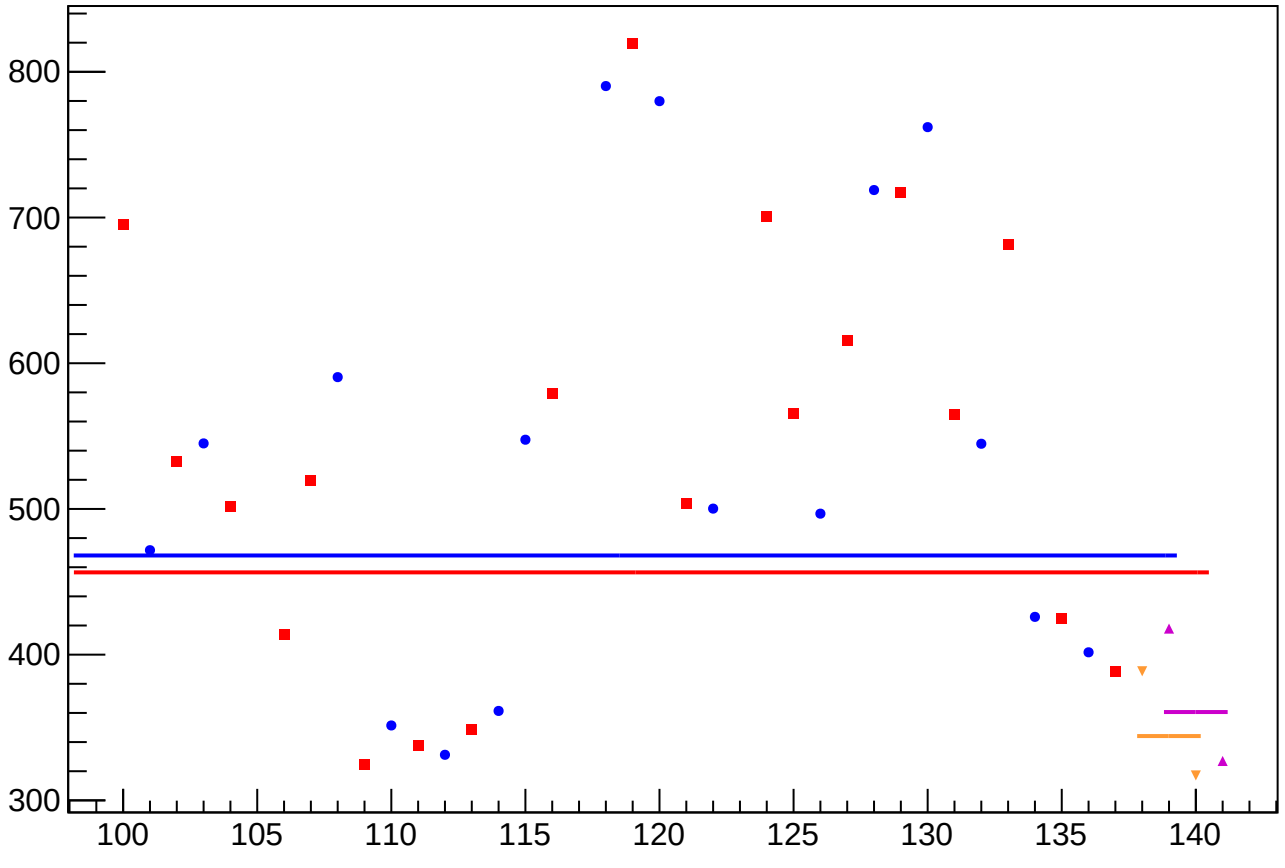
Left: 50.288+/-194.566 χ^2/NDF: 6.1/3

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 126.344+/-151.447 χ^2/NDF:27.8/17

Out: -160.277+/-146.562 χ^2/NDF:23.8/20

All: -21.664+/-105.320 χ^2/NDF: 53.5/38



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 344.131+/-0.193 χ^2/NDF:32167.8/1

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 360.616+/-0.196 χ^2/NDF:50123.2/1

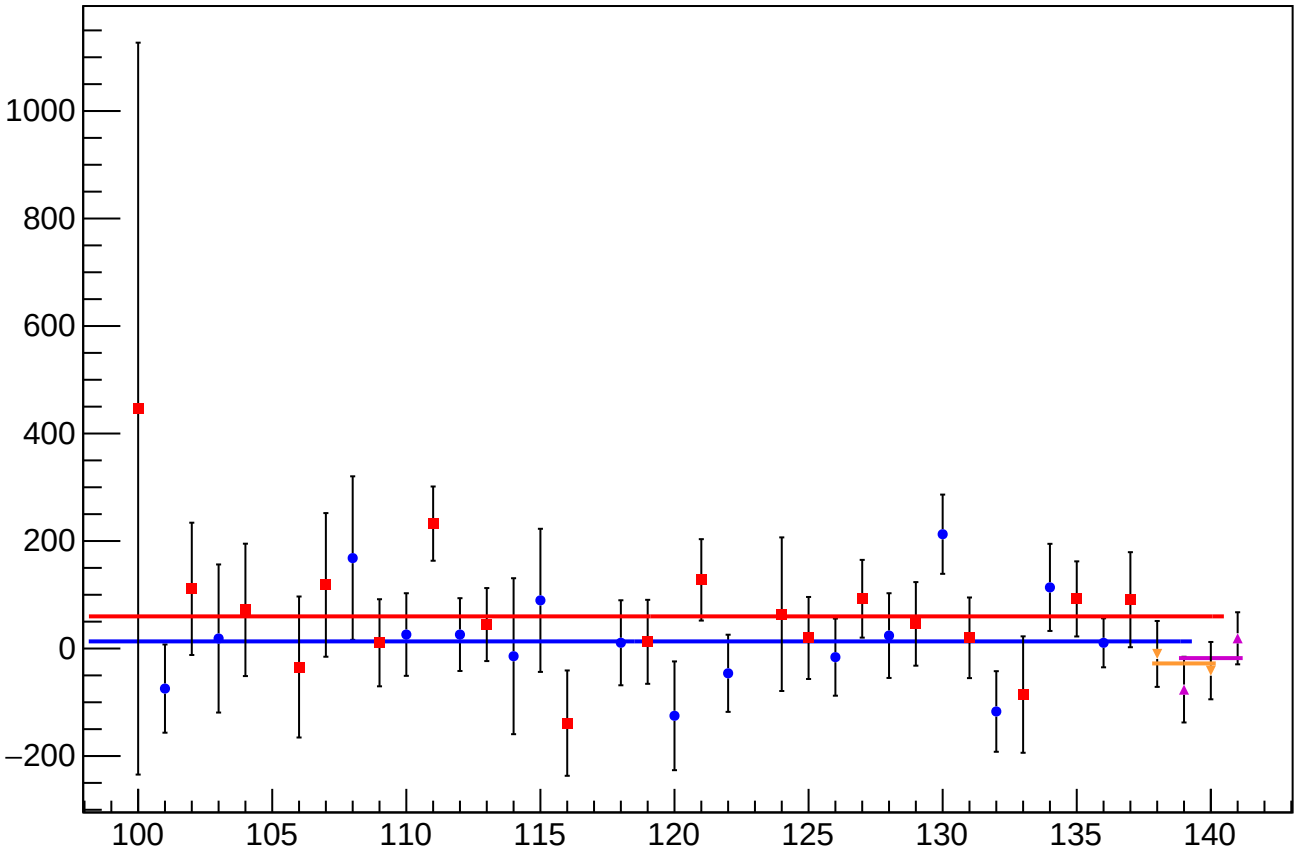
Left: 352.263+/-0.138 χ^2/NDF: 85879.6/3

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 435.949+/-0.107 χ^2/NDF:1244011.0/17

Out: 424.171+/-0.104 χ^2/NDF:1355425.4/20

All: 429.867+/-0.074 χ^2/NDF: 2605682.6/38



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -27.739+/-40.235 χ^2/NDF:0.1/1

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -17.819+/-37.971 χ^2/NDF:1.5/1

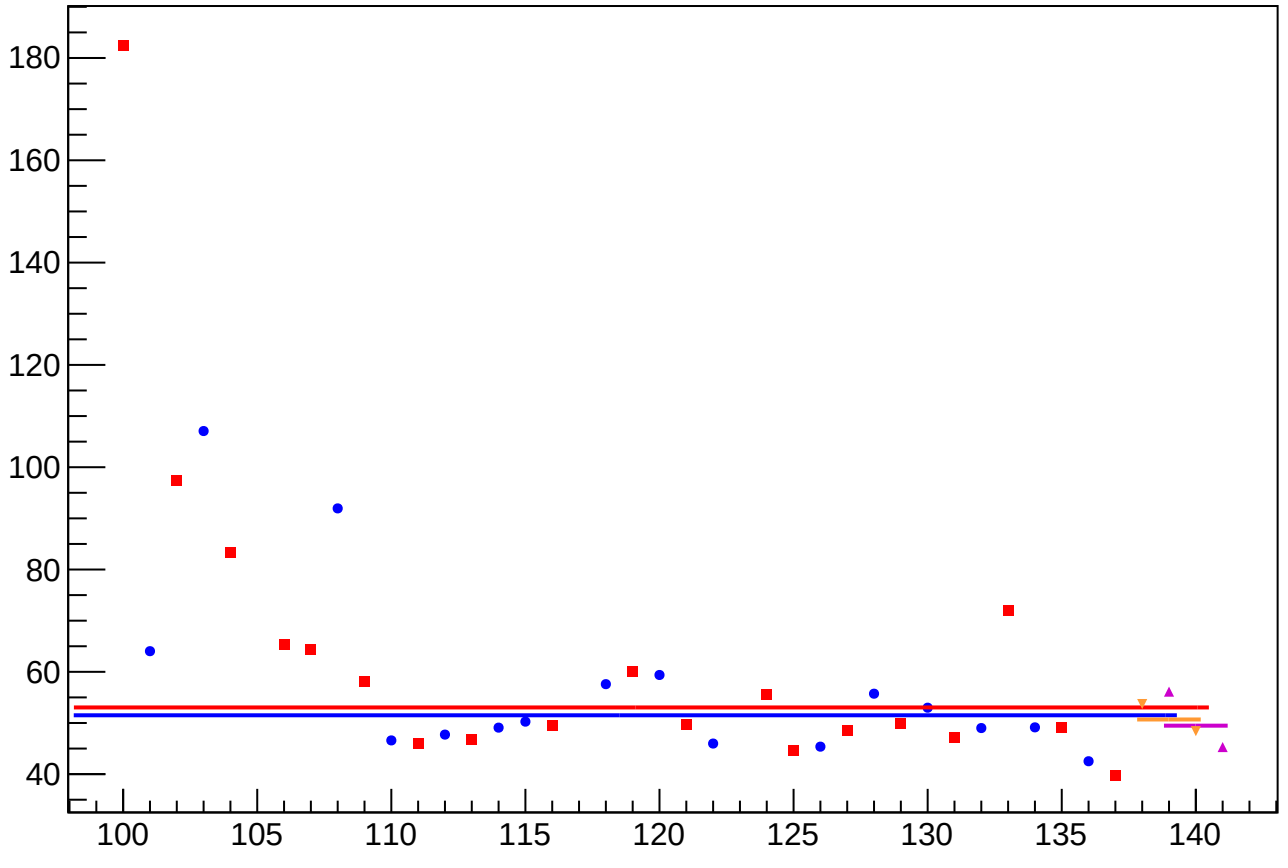
Left: -22.492+/-27.615 χ^2/NDF: 1.7/3

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: 6.595+/-17.591 χ^2/NDF:19.3/17

Out: 42.139+/-18.077 χ^2/NDF:20.0/20

All: 23.883+/-12.607 χ^2/NDF: 41.3/38



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 50.685+/-0.028 χ^2/NDF:8524.8/1

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 49.476+/-0.027 χ^2/NDF:38584.7/1

Left: 50.046+/-0.020 χ^2/NDF: 48064.0/3

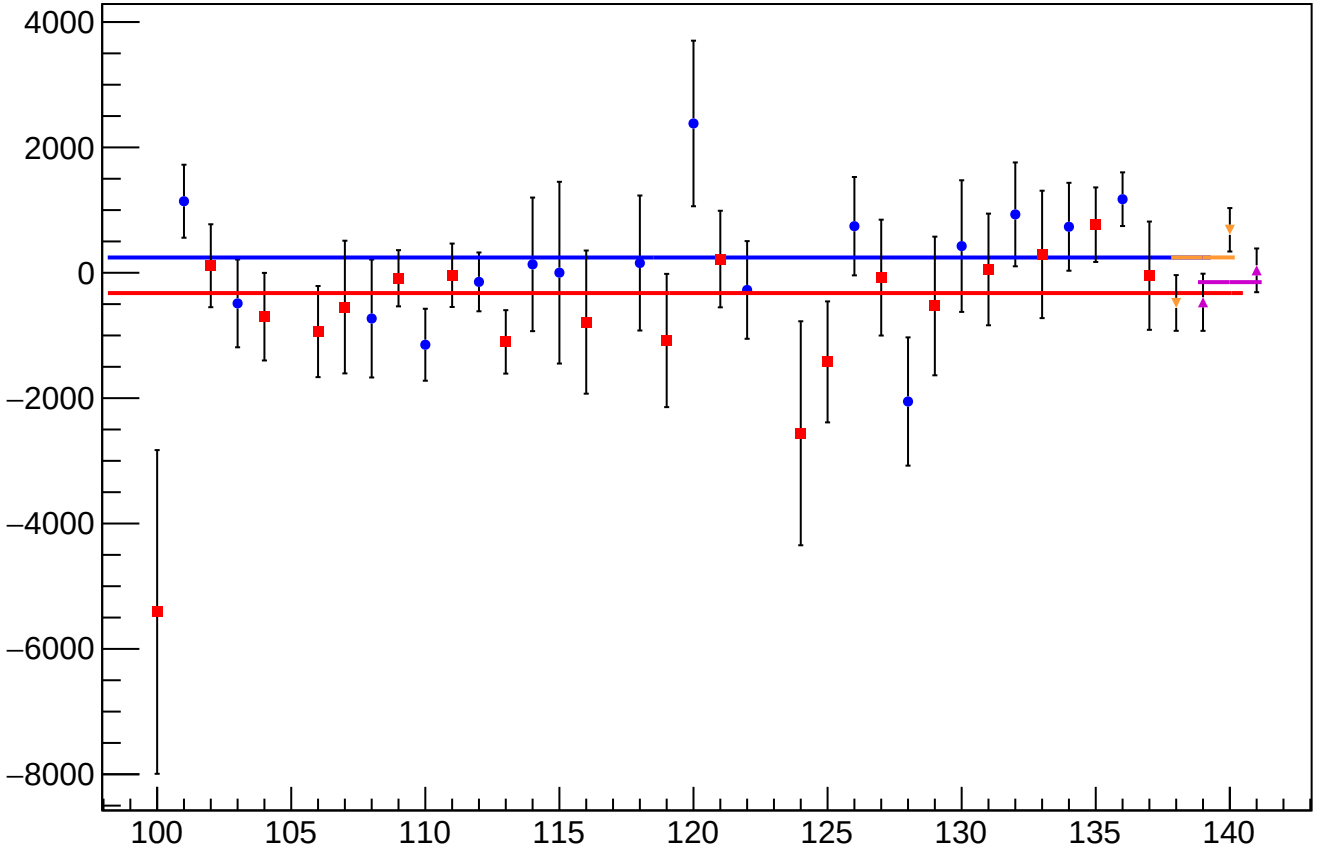
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 51.070+/-0.012 χ^2/NDF:710135.9/17

Out: 52.563+/-0.013 χ^2/NDF:726900.9/20

All: 51.796+/-0.009 χ^2/NDF: 1444039.6/38

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 244.550+/-273.340 χ^2/NDF:4.3/1

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -149.228+/-277.013 χ^2/NDF:0.8/1

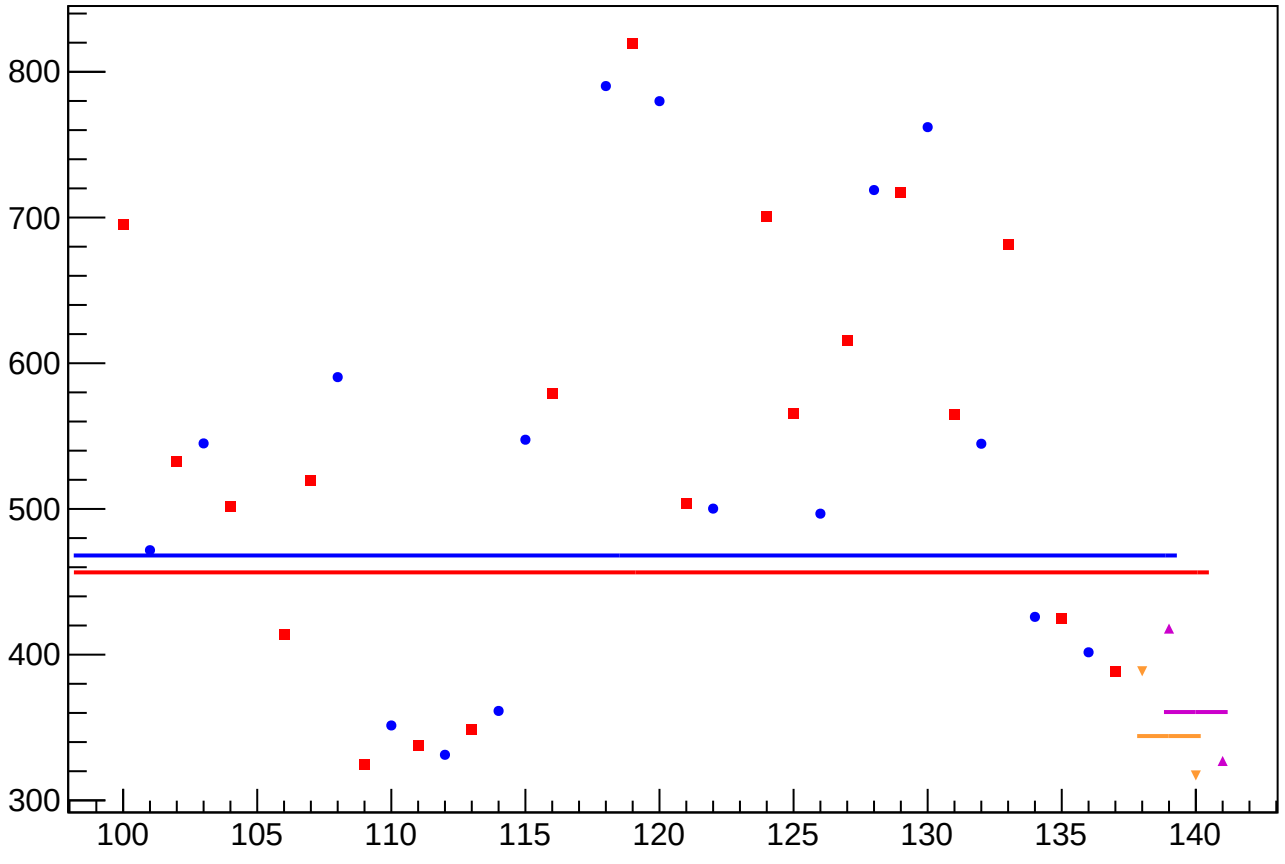
Left: 50.288+/-194.566 χ^2/NDF: 6.1/3

Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 126.343+/-151.447 χ^2/NDF:27.8/17

Out: -160.278+/-146.562 χ^2/NDF:23.8/20

All: -21.665+/-105.320 χ^2/NDF: 53.5/38



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 344.131+/-0.193 χ^2/NDF:32168.2/1

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 360.616+/-0.196 χ^2/NDF:50123.2/1

Left: 352.264+/-0.138 χ^2/NDF: 85880.0/3

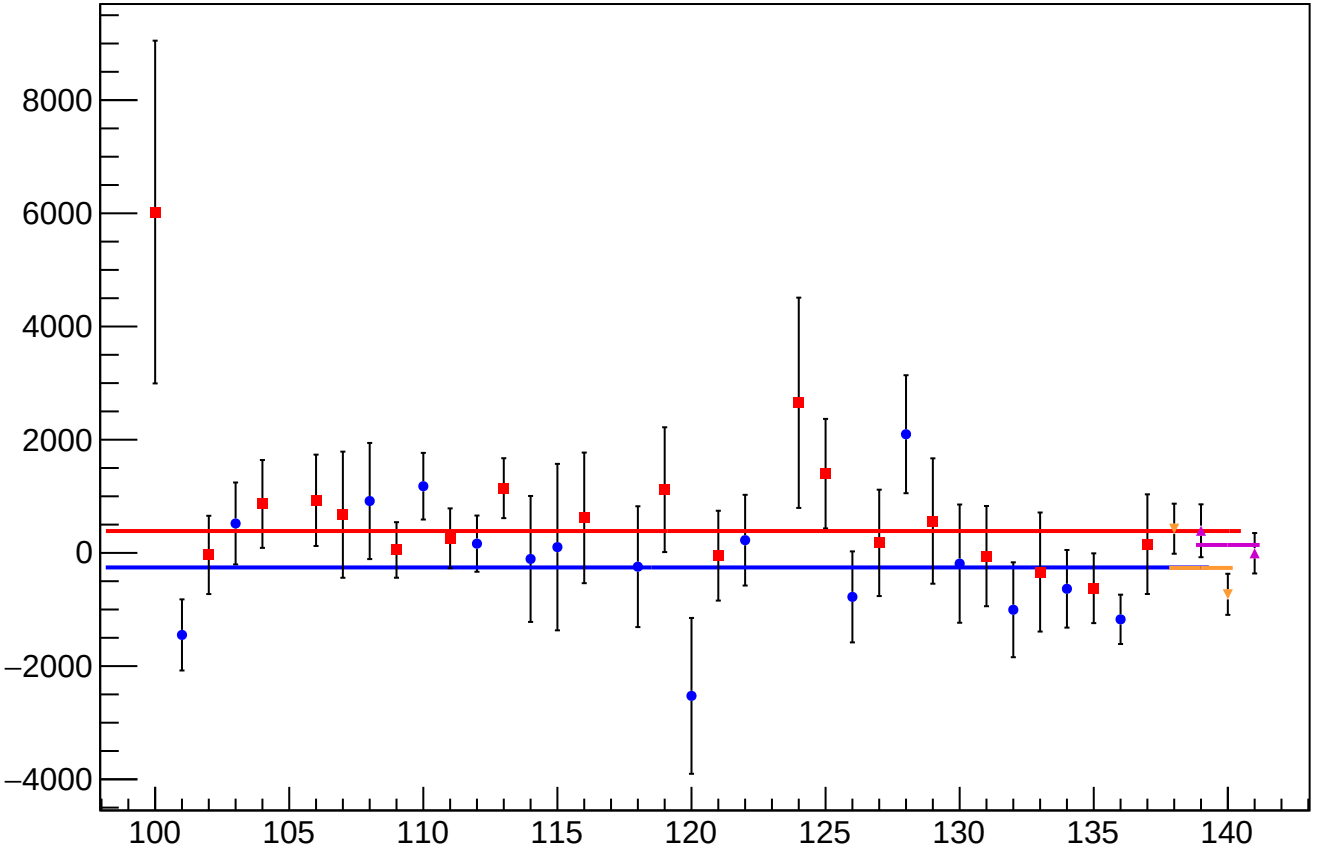
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 435.949+/-0.107 χ^2/NDF:1244006.4/17

Out: 424.171+/-0.104 χ^2/NDF:1355416.8/20

All: 429.867+/-0.074 χ^2/NDF: 2605669.5/38

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -265.210+/-280.509 χ^2/NDF:4.1/1

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: 140.289+/-283.646 χ^2/NDF:0.5/1

Left: -64.716+/-199.450 χ^2/NDF: 5.6/3

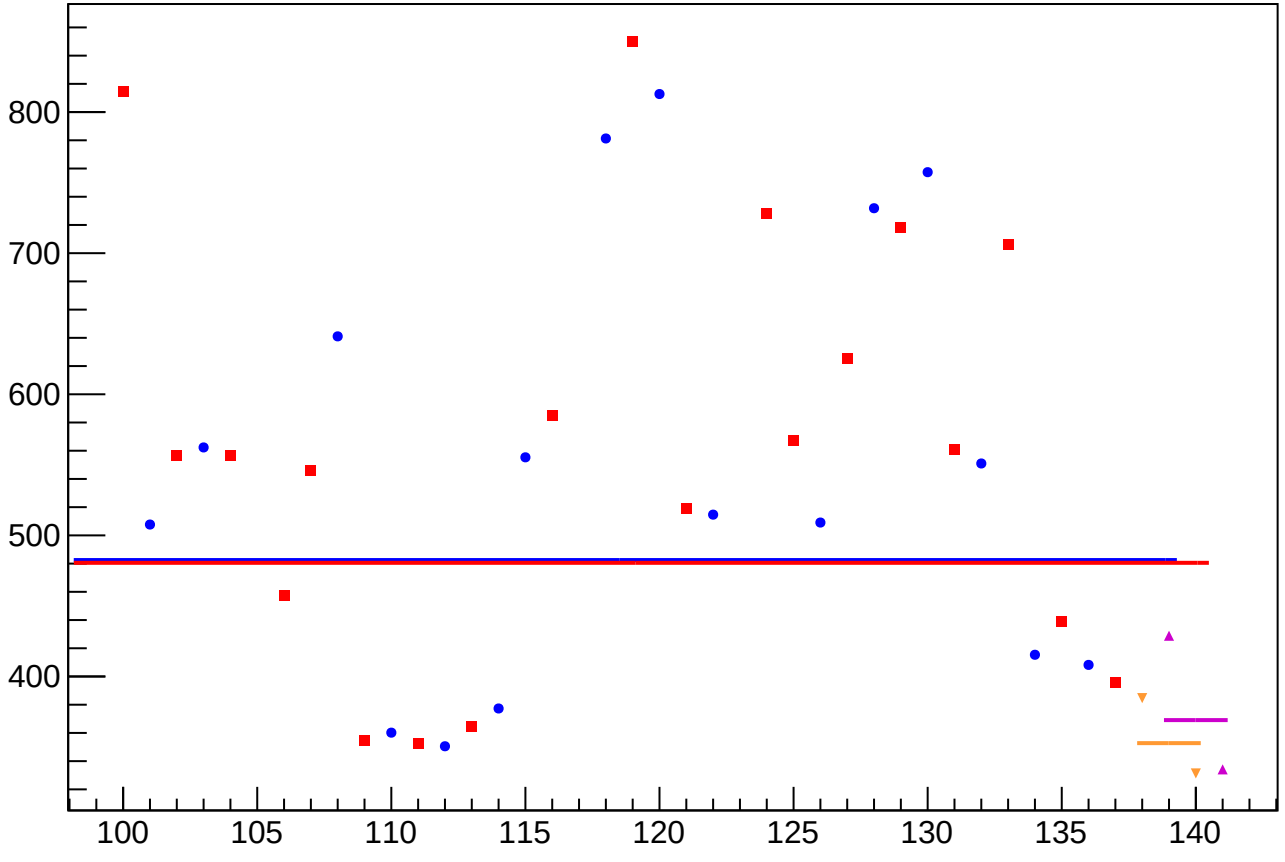
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -136.945+/-155.811 χ^2/NDF:28.8/17

Out: 192.850+/-152.893 χ^2/NDF:22.1/20

All: 31.069+/-109.129 χ^2/NDF: 53.2/38

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 352.766+/-0.198 χ^2/NDF:17416.1/1

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 369.086+/-0.201 χ^2/NDF:51888.9/1

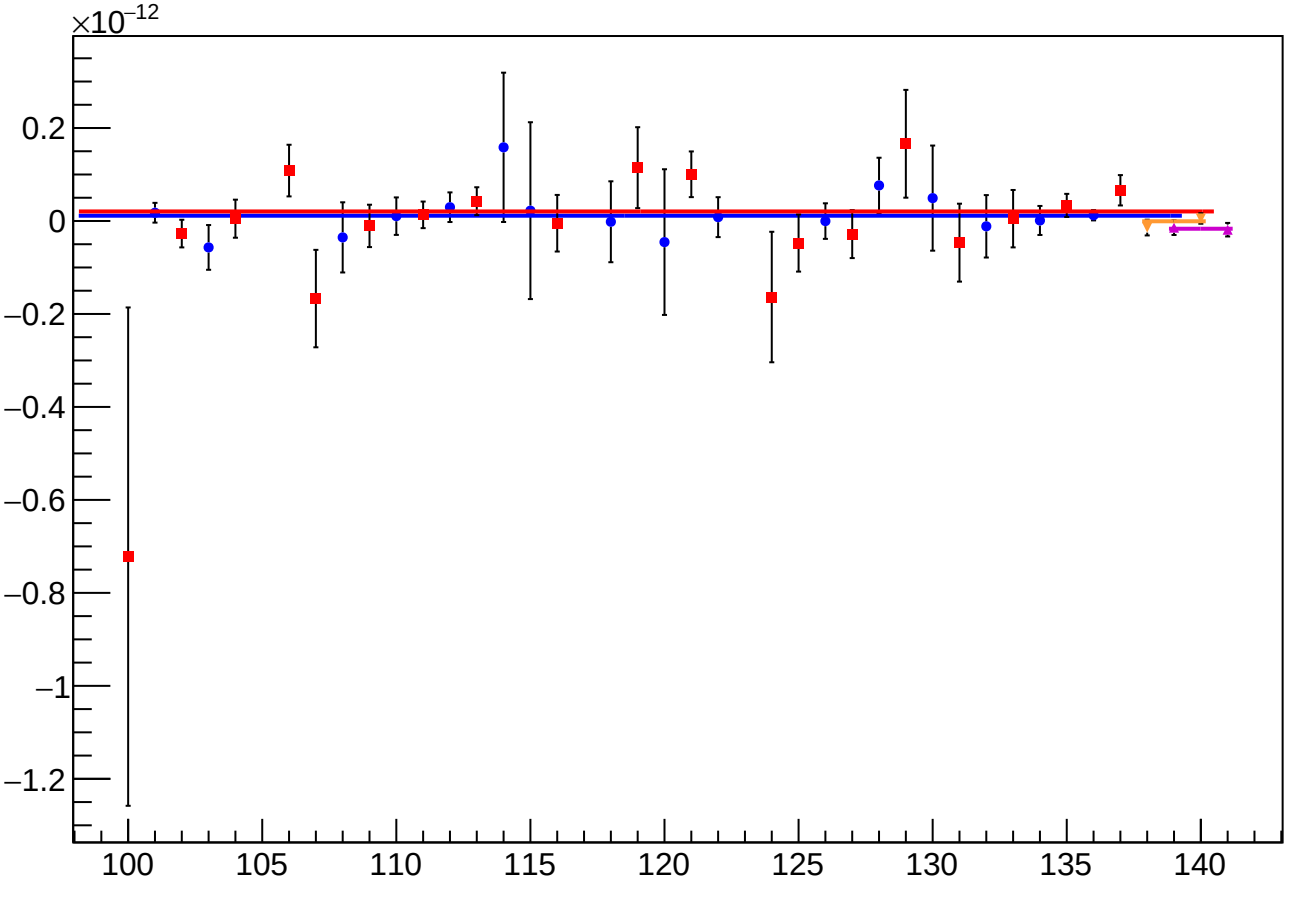
Left: 360.836+/-0.141 χ^2/NDF: 72652.5/3

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 448.287+/-0.110 χ^2/NDF:1221727.8/17

Out: 442.594+/-0.108 χ^2/NDF:1302991.6/20

All: 445.386+/-0.077 χ^2/NDF: 2526079.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

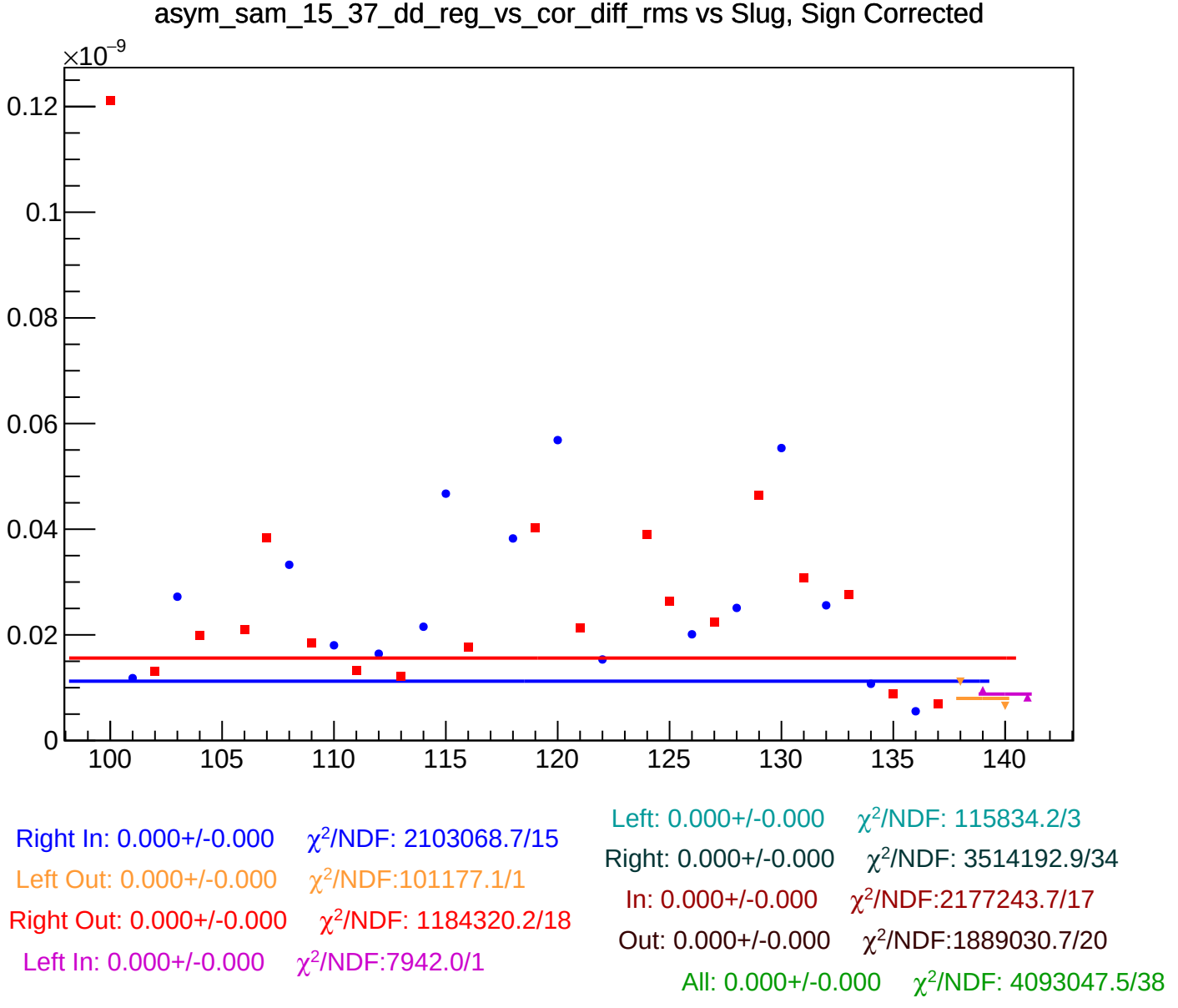
Left: -0.000+/-0.000 χ^2/NDF: 2.2/3

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

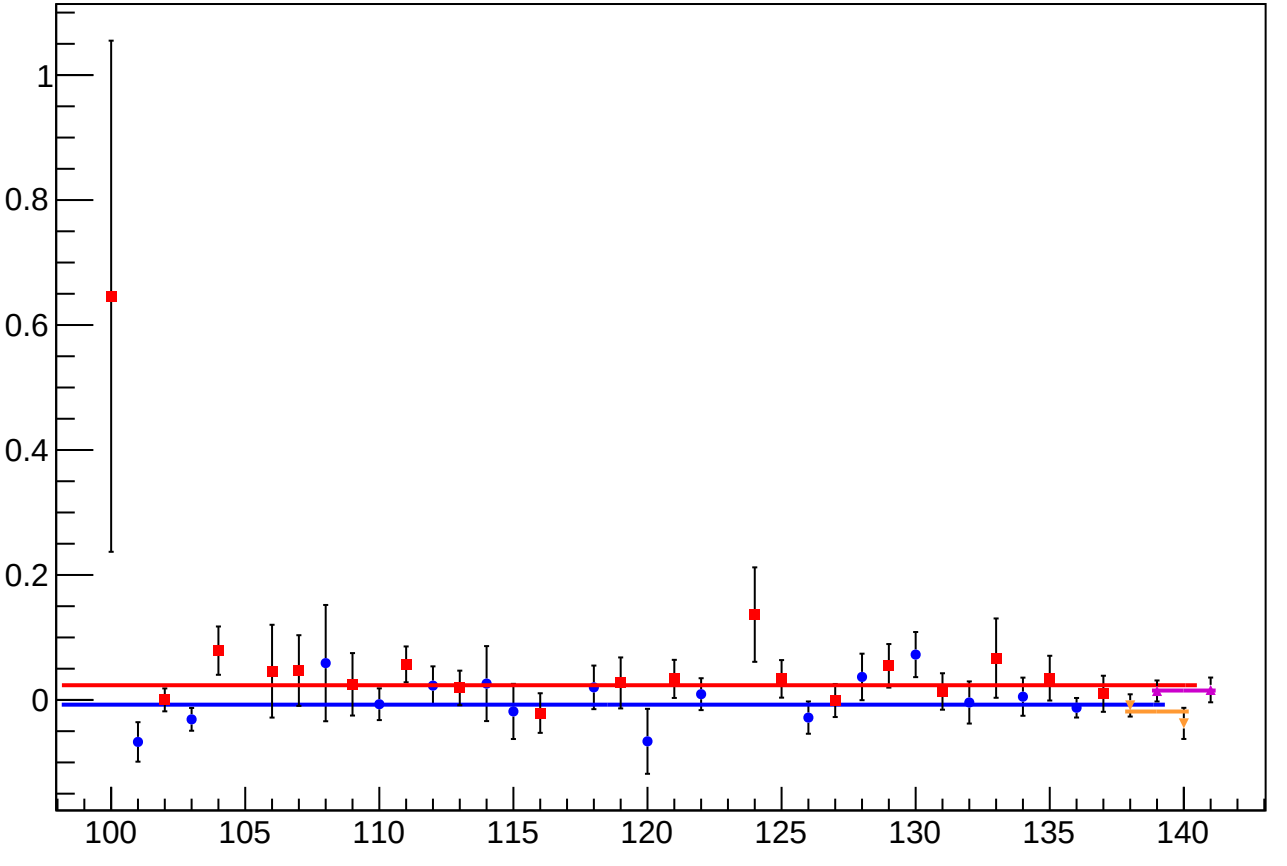
In: 0.000+/-0.000 χ^2/NDF:9.9/17

Out: 0.000+/-0.000 χ^2/NDF:27.0/20

All: 0.000+/-0.000 χ^2/NDF: 37.5/38


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:101177.1/1
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:7942.0/1
Left: 0.000+/-0.000 χ²/NDF: 115834.2/3
Right: 0.000+/-0.000 χ²/NDF: 3514192.9/34
In: 0.000+/-0.000 χ²/NDF:2177243.7/17
Out: 0.000+/-0.000 χ²/NDF:1889030.7/20
All: 0.000+/-0.000 χ²/NDF: 4093047.5/38

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.019+/-0.014 χ^2/NDF:0.9/1

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.015+/-0.013 χ^2/NDF:0.0/1

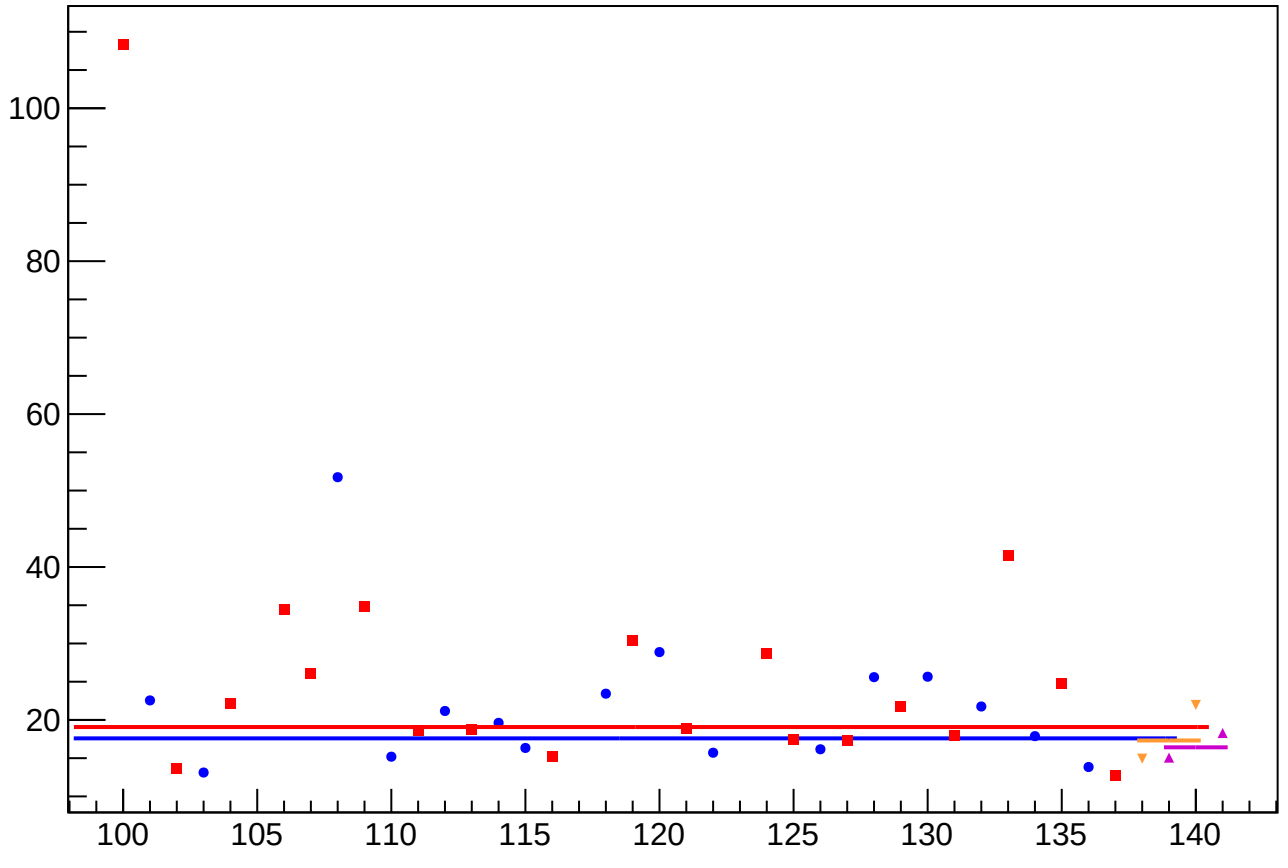
Left: 0.000+/-0.010 χ^2/NDF: 3.9/3

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.006 χ^2/NDF:19.1/17

Out: 0.014+/-0.007 χ^2/NDF:22.1/20

All: 0.005+/-0.005 χ^2/NDF: 44.3/38



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 17.316+/-0.010 χ^2/NDF:105193.3/1

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 16.419+/-0.009 χ^2/NDF:30695.9/1

Left: 16.812+/-0.007 χ^2/NDF: 140188.8/3

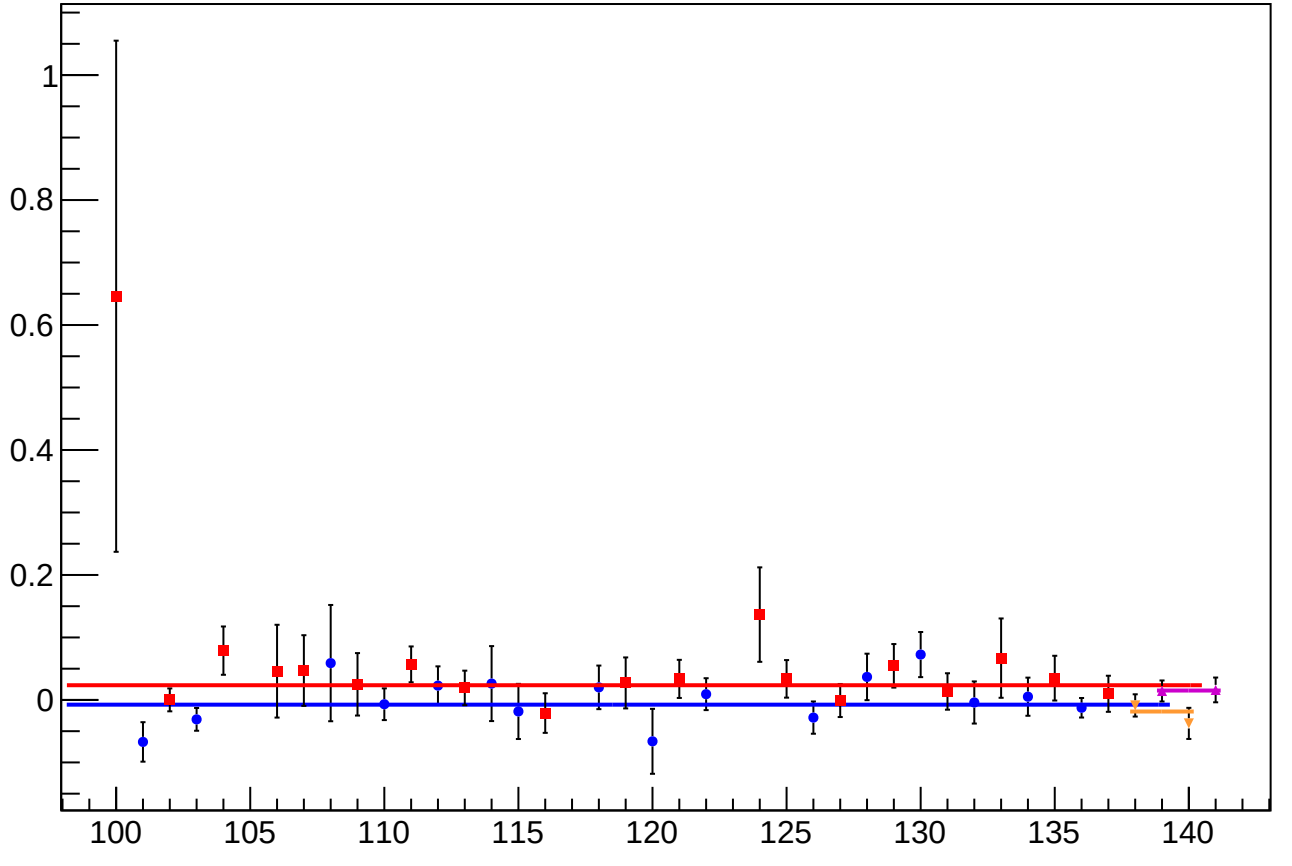
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.310+/-0.004 χ^2/NDF:1036672.2/17

Out: 18.682+/-0.005 χ^2/NDF:1376019.8/20

All: 17.938+/-0.003 χ^2/NDF: 2456449.6/38

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.019+/-0.014 χ^2/NDF:0.9/1

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.015+/-0.013 χ^2/NDF:0.0/1

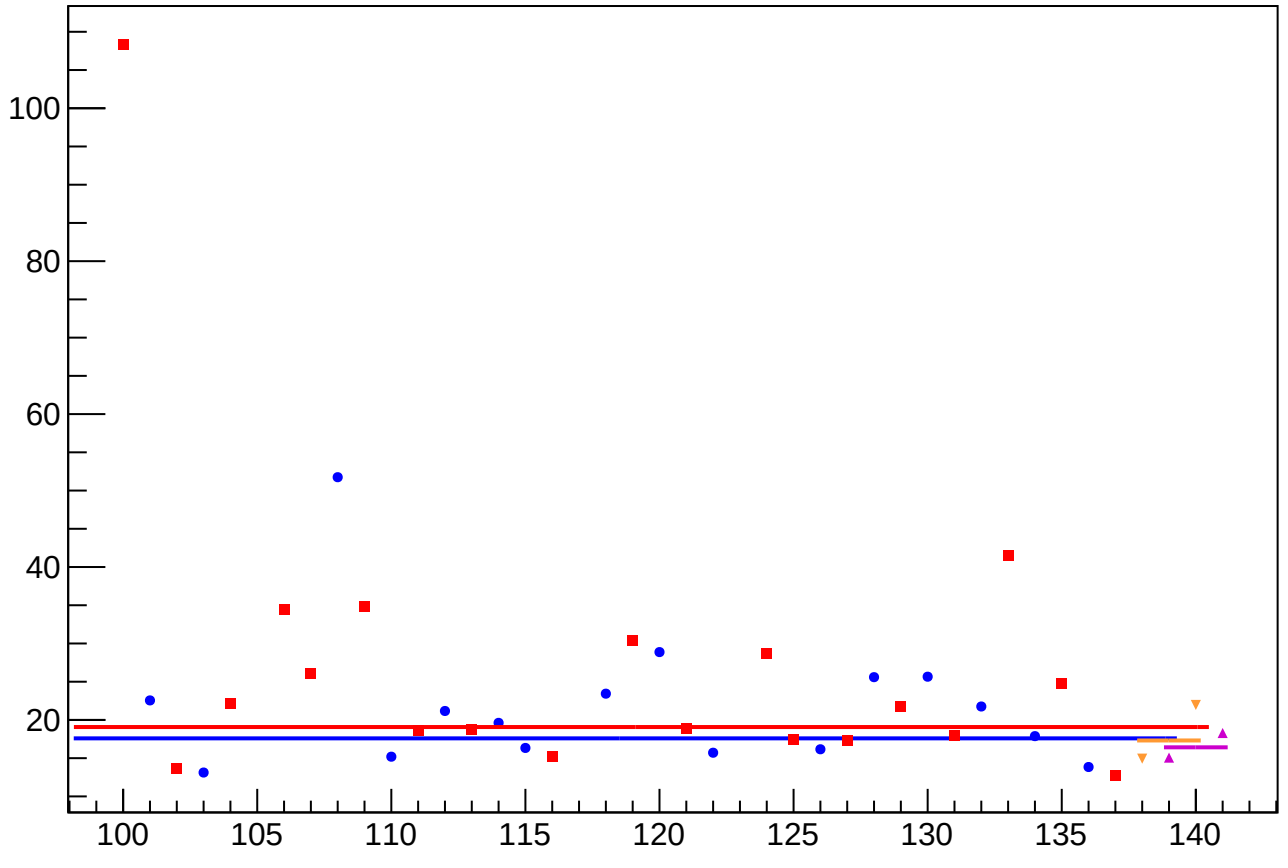
Left: 0.000+/-0.010 χ^2/NDF: 3.9/3

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.006 χ^2/NDF:19.1/17

Out: 0.014+/-0.007 χ^2/NDF:22.1/20

All: 0.005+/-0.005 χ^2/NDF: 44.3/38



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 17.316+/-0.010 χ^2/NDF:105193.3/1

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 16.419+/-0.009 χ^2/NDF:30695.9/1

Left: 16.812+/-0.007 χ^2/NDF: 140188.8/3

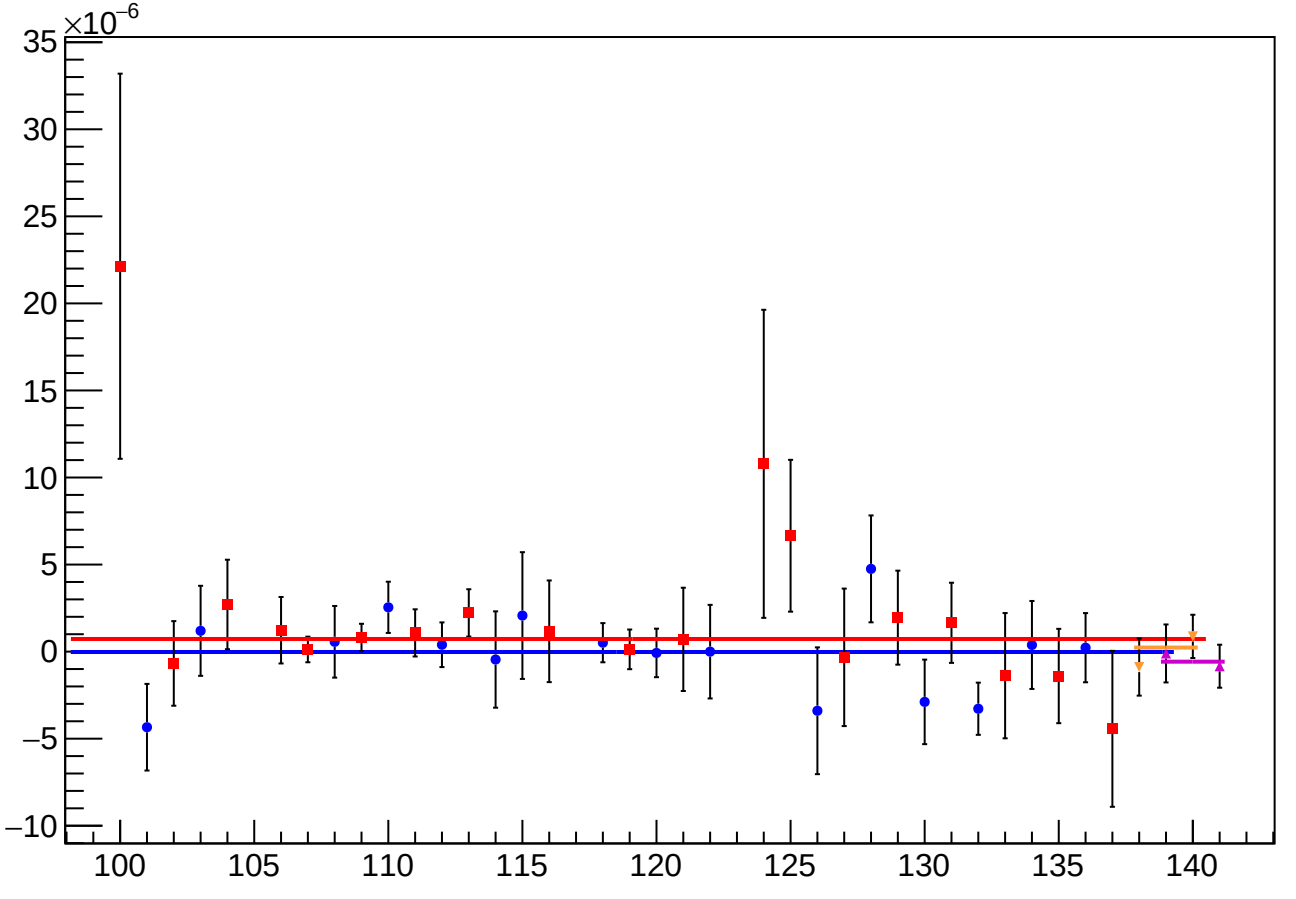
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.310+/-0.004 χ^2/NDF:1036672.2/17

Out: 18.682+/-0.005 χ^2/NDF:1376019.8/20

All: 17.938+/-0.003 χ^2/NDF: 2456449.6/38

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

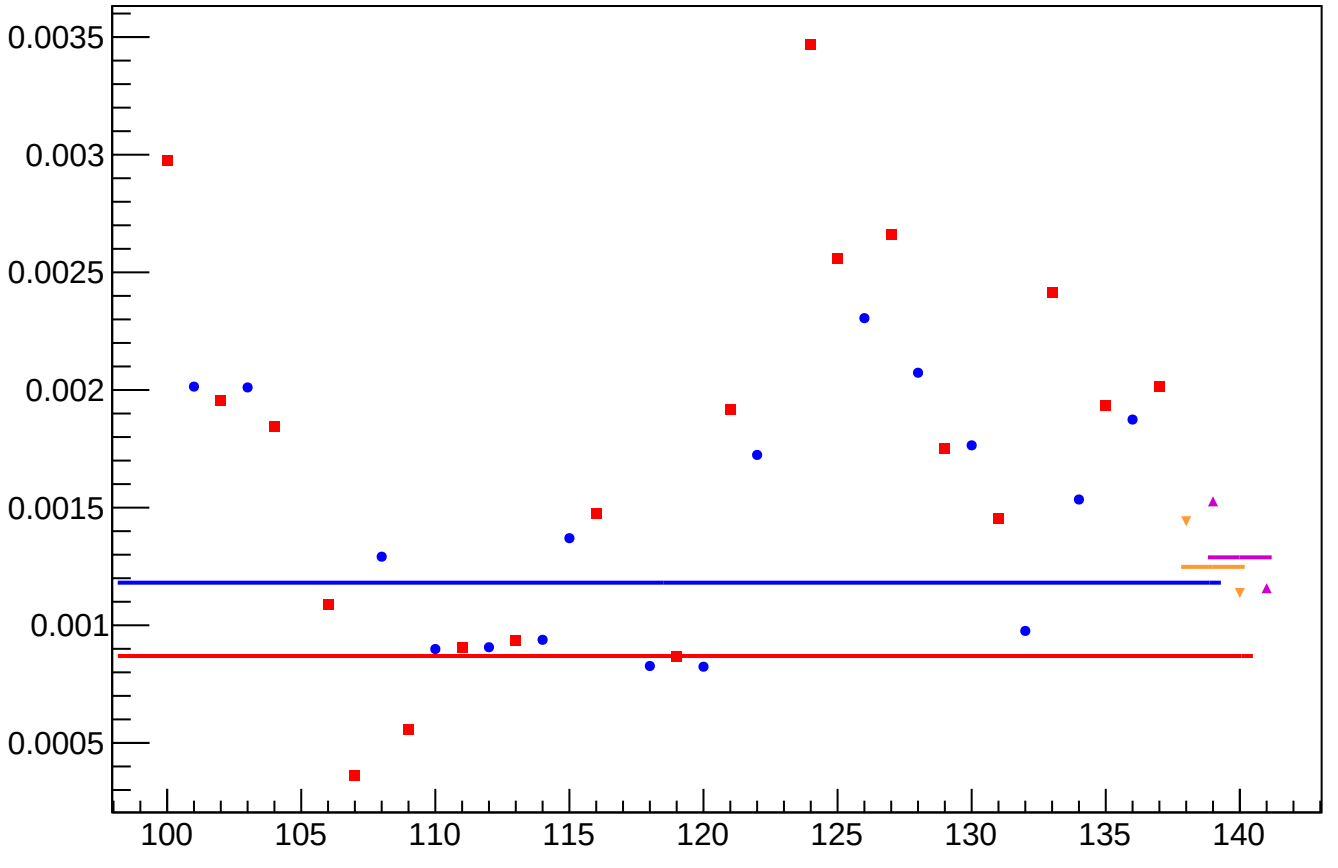
Left: -0.000+/-0.000 χ^2/NDF: 1.2/3

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:16.9/17

Out: 0.000+/-0.000 χ^2/NDF:13.8/20

All: 0.000+/-0.000 χ^2/NDF: 32.7/38



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:43811.2/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:63420.5/1

Left: 0.001+/-0.000 χ^2/NDF: 108896.6/3

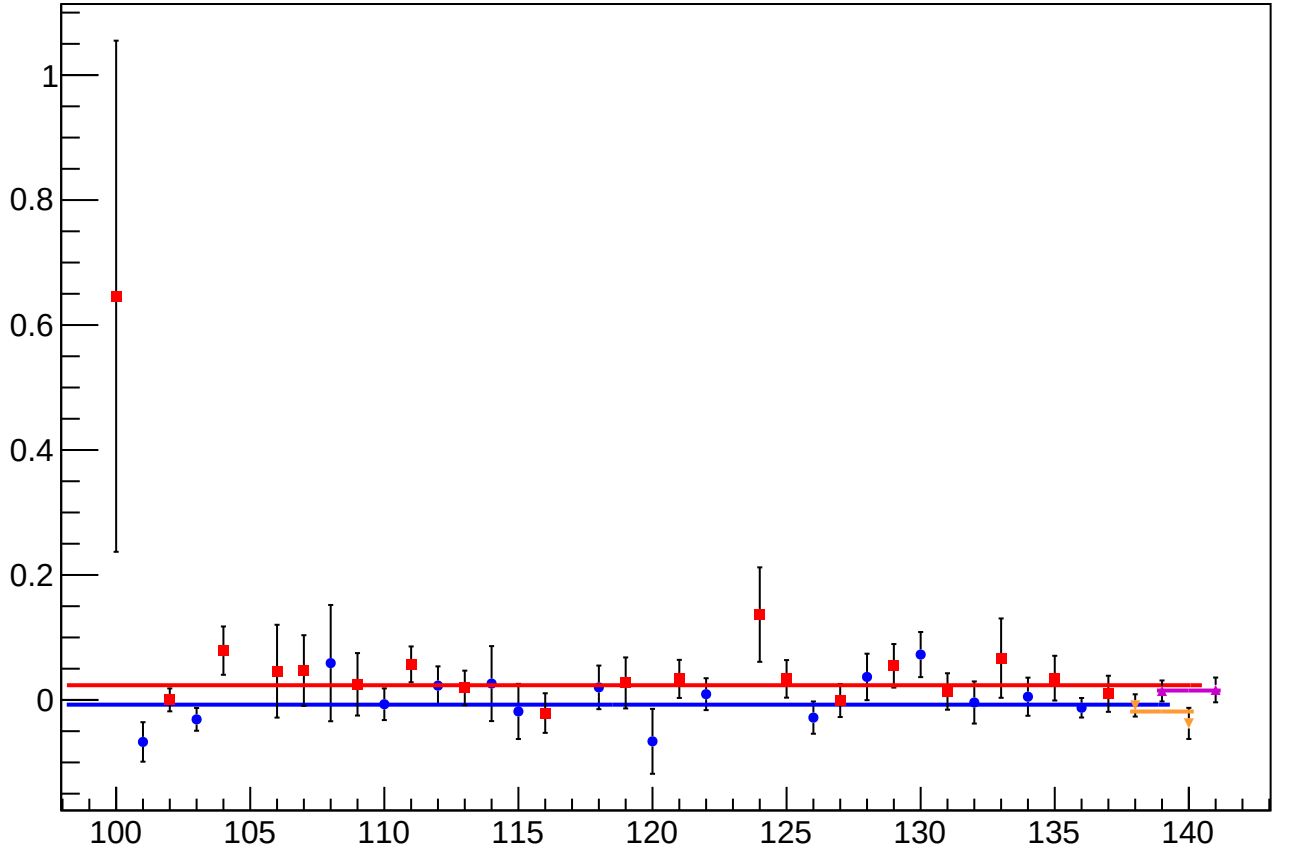
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:1910904.4/17

Out: 0.001+/-0.000 χ^2/NDF:4733898.3/20

All: 0.001+/-0.000 χ^2/NDF: 7162751.7/38

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.019+/-0.014 χ^2/NDF:0.9/1

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.015+/-0.013 χ^2/NDF:0.0/1

Left: 0.000+/-0.010 χ^2/NDF: 3.9/3

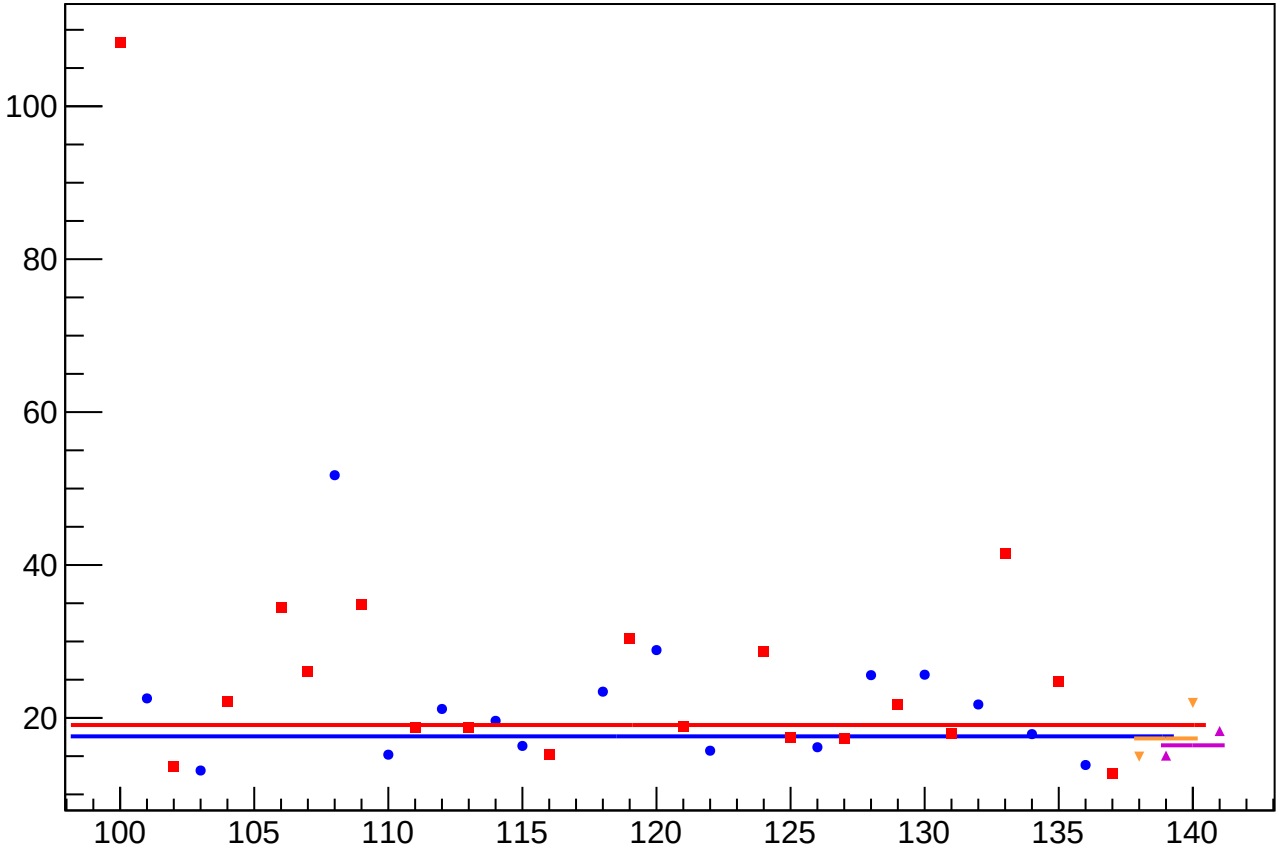
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.006 χ^2/NDF:19.1/17

Out: 0.014+/-0.007 χ^2/NDF:22.1/20

All: 0.005+/-0.005 χ^2/NDF: 44.3/38

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 17.316+/-0.010 χ^2/NDF:105195.1/1

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 16.419+/-0.009 χ^2/NDF:30695.7/1

Left: 16.813+/-0.007 χ^2/NDF: 140188.6/3

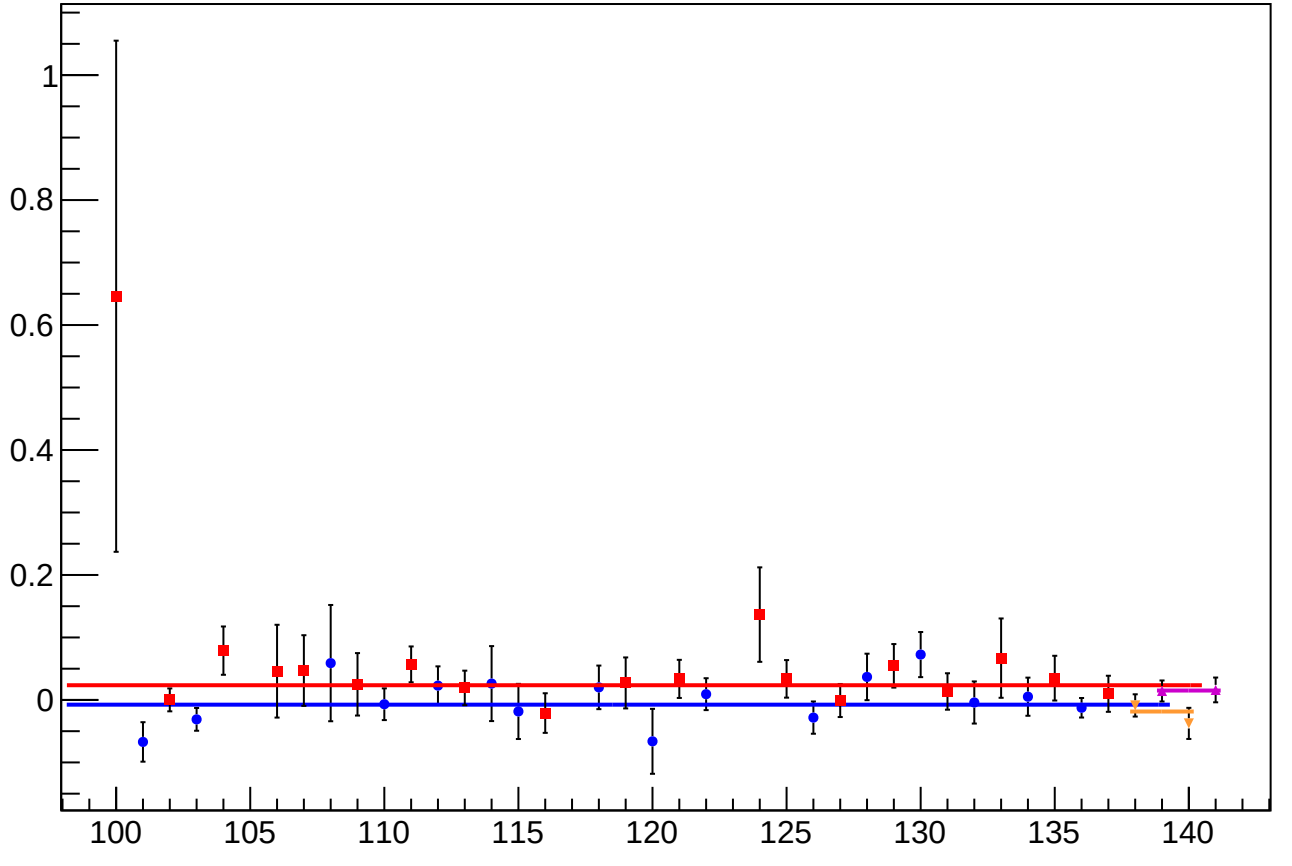
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.310+/-0.004 χ^2/NDF:1036705.3/17

Out: 18.682+/-0.005 χ^2/NDF:1375948.7/20

All: 17.938+/-0.003 χ^2/NDF: 2456422.0/38

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.019+/-0.014 χ^2/NDF:0.9/1

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.015+/-0.013 χ^2/NDF:0.0/1

Left: 0.000+/-0.010 χ^2/NDF: 3.9/3

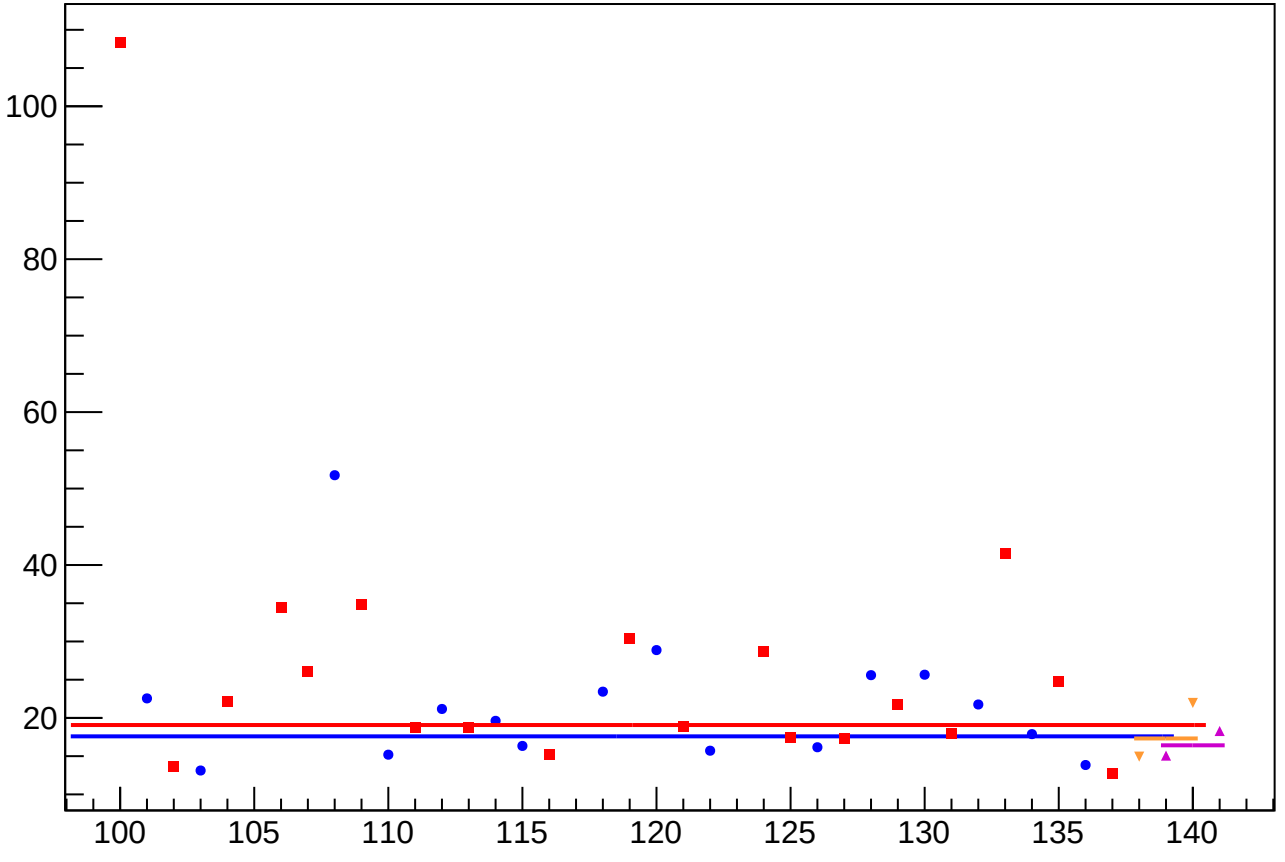
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.006 χ^2/NDF:19.1/17

Out: 0.014+/-0.007 χ^2/NDF:22.1/20

All: 0.005+/-0.005 χ^2/NDF: 44.3/38

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 17.316+/-0.010 χ^2/NDF:105195.1/1

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 16.419+/-0.009 χ^2/NDF:30695.7/1

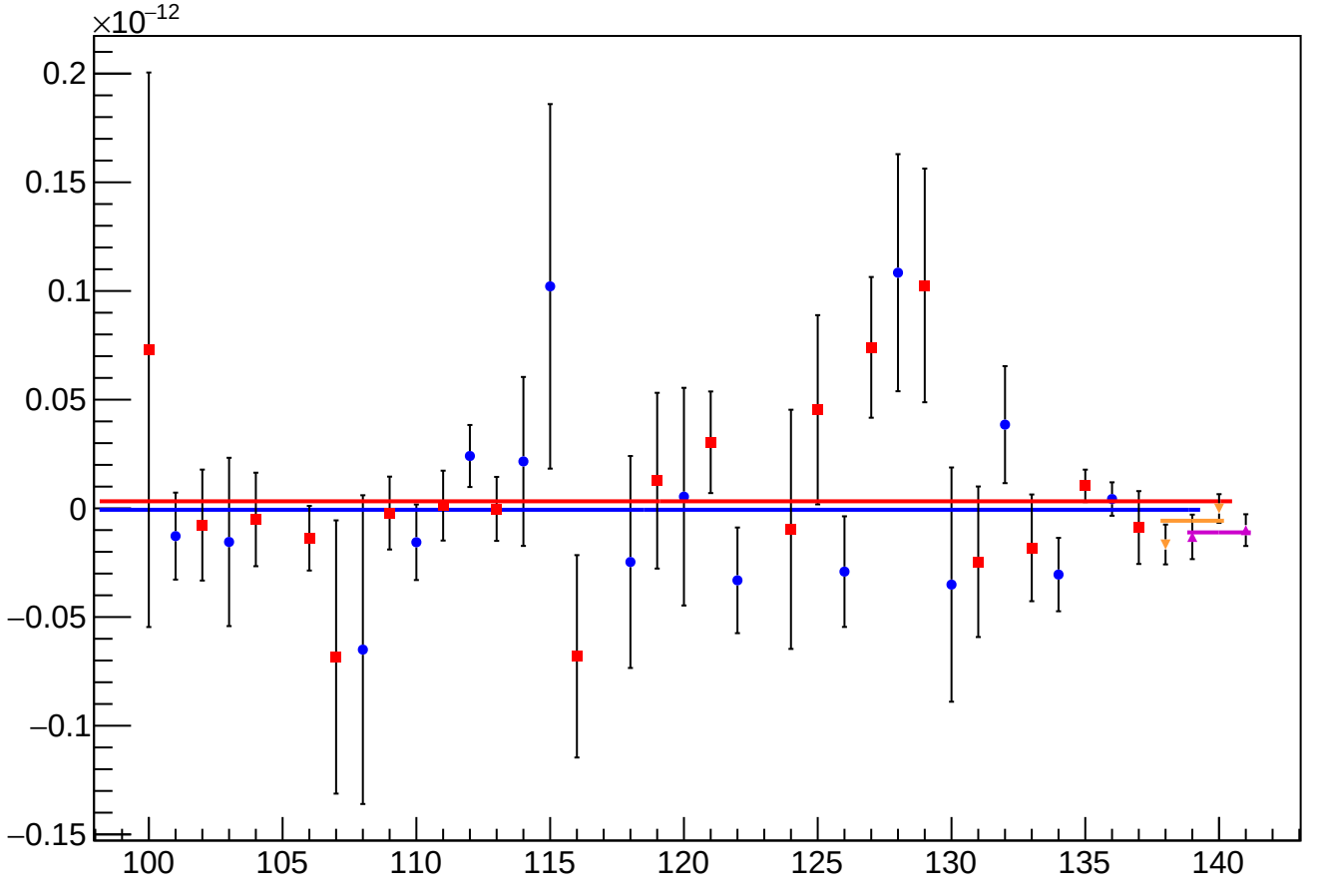
Left: 16.813+/-0.007 χ^2/NDF: 140188.6/3

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.310+/-0.004 χ^2/NDF:1036705.3/17

Out: 18.682+/-0.005 χ^2/NDF:1375948.7/20

All: 17.938+/-0.003 χ^2/NDF: 2456422.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

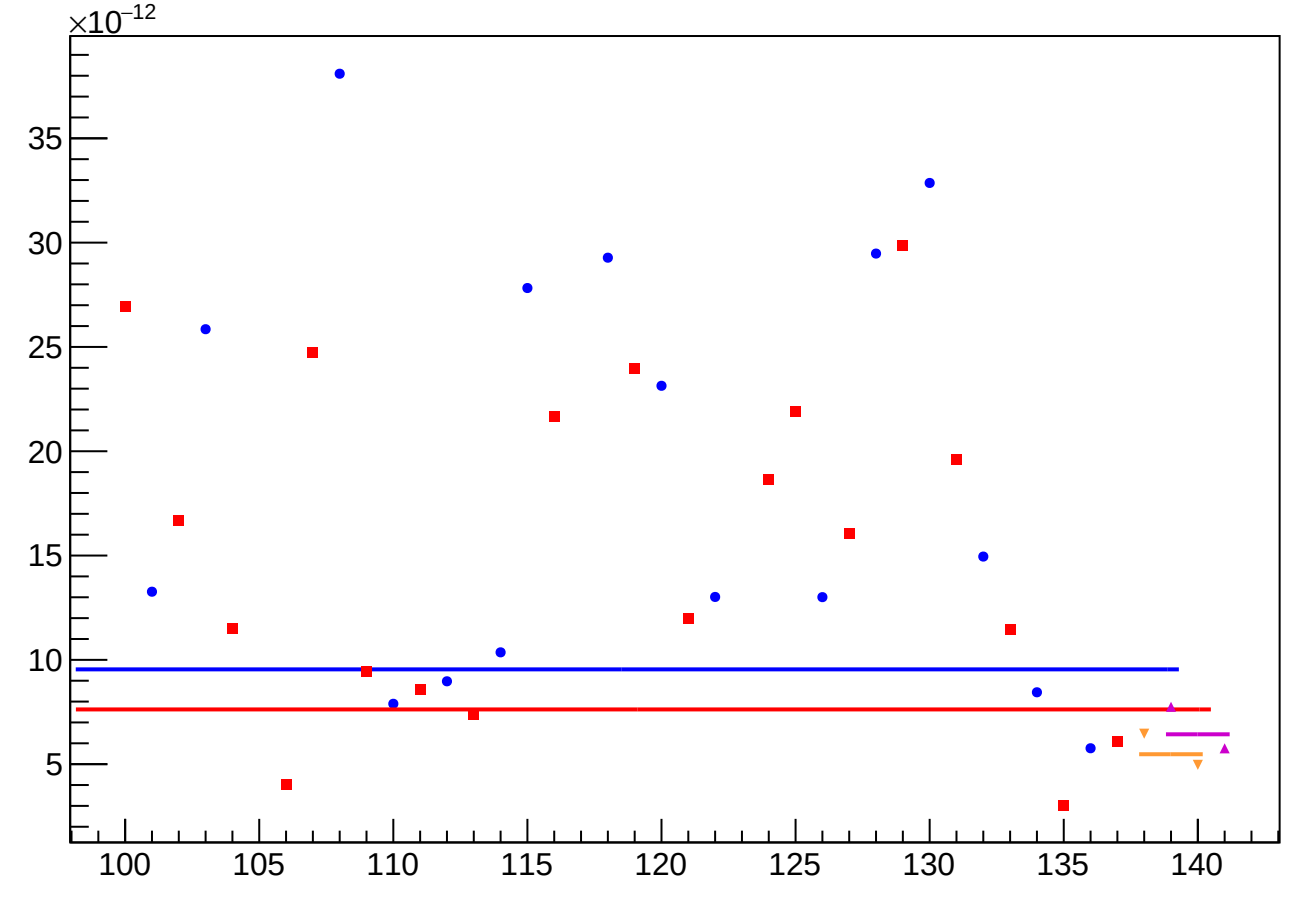
Left: -0.000+/-0.000 χ^2/NDF: 2.7/3

Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:22.1/17

Out: -0.000+/-0.000 χ^2/NDF:23.0/20

All: -0.000+/-0.000 χ^2/NDF: 45.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:35036.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:50191.3/1

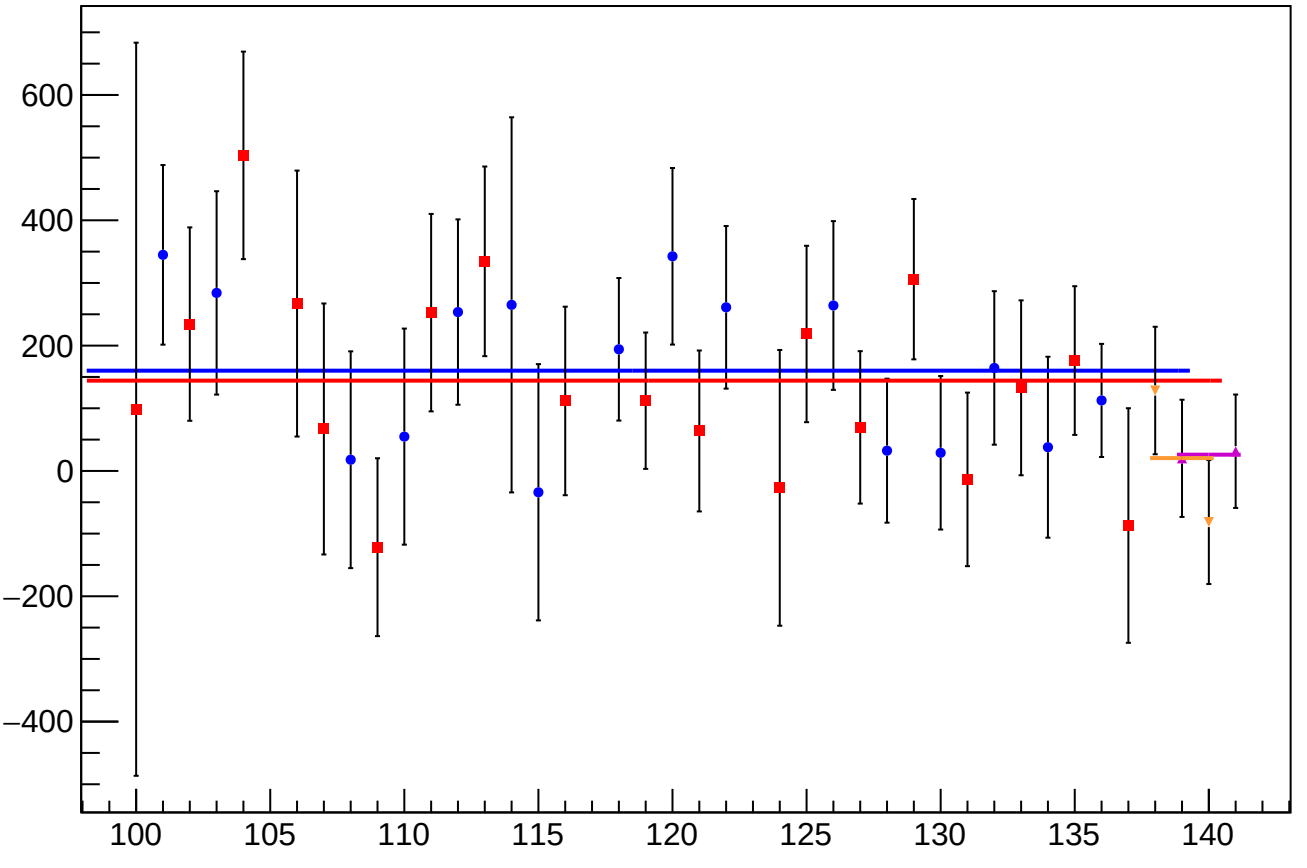
Left: 0.000+/-0.000 χ^2/NDF: 113824.8/3

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:3000376.8/17

Out: 0.000+/-0.000 χ^2/NDF:3310523.7/20

All: 0.000+/-0.000 χ^2/NDF: 6479115.4/38



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 20.498+/-70.931 χ^2/NDF:2.2/1

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: 25.965+/-65.026 χ^2/NDF:0.0/1

Left: 23.468+/-47.932 χ^2/NDF: 2.2/3

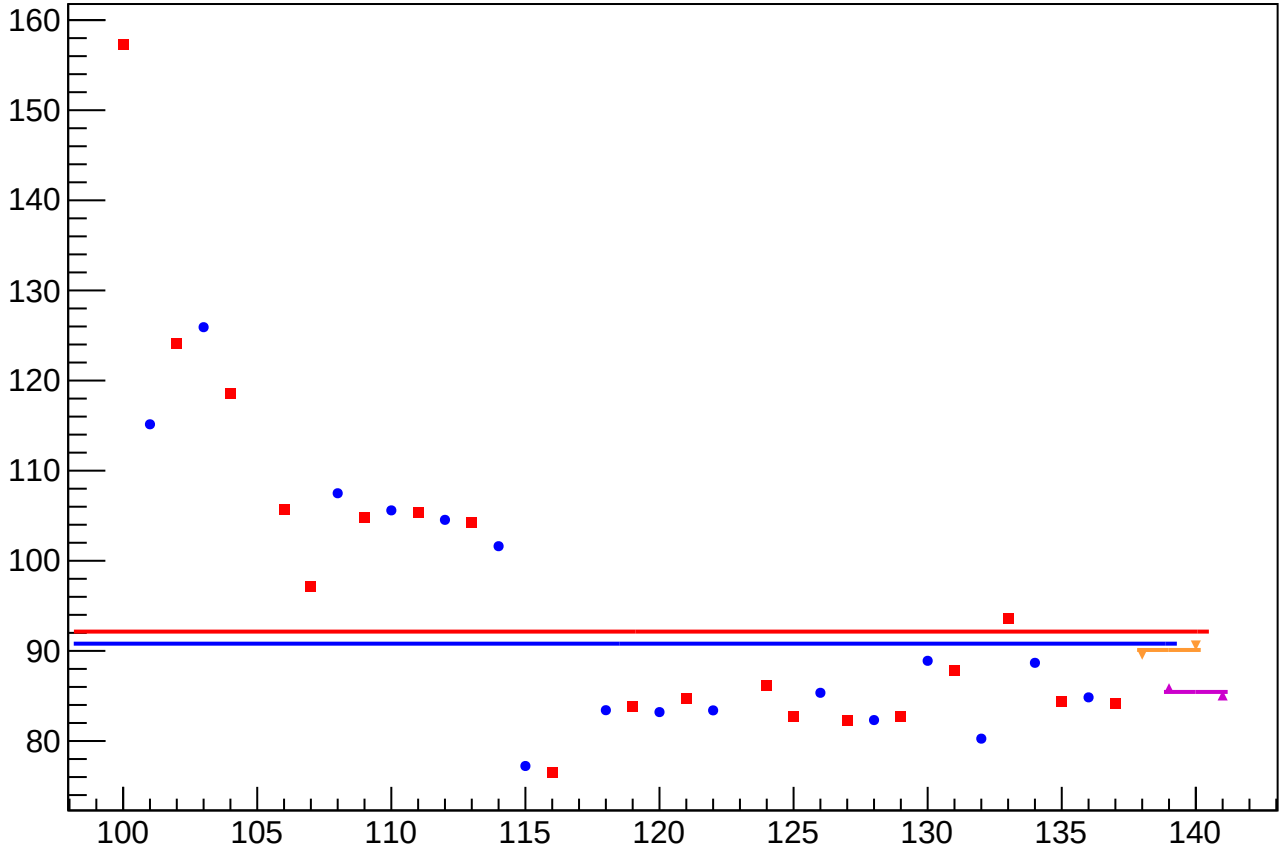
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 131.016+/-30.248 χ^2/NDF:14.4/17

Out: 120.784+/-30.816 χ^2/NDF:22.0/20

All: 125.995+/-21.586 χ^2/NDF: 36.5/38

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 90.103+/-0.050 χ^2/NDF:104.5/1

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 85.446+/-0.046 χ^2/NDF:76.0/1

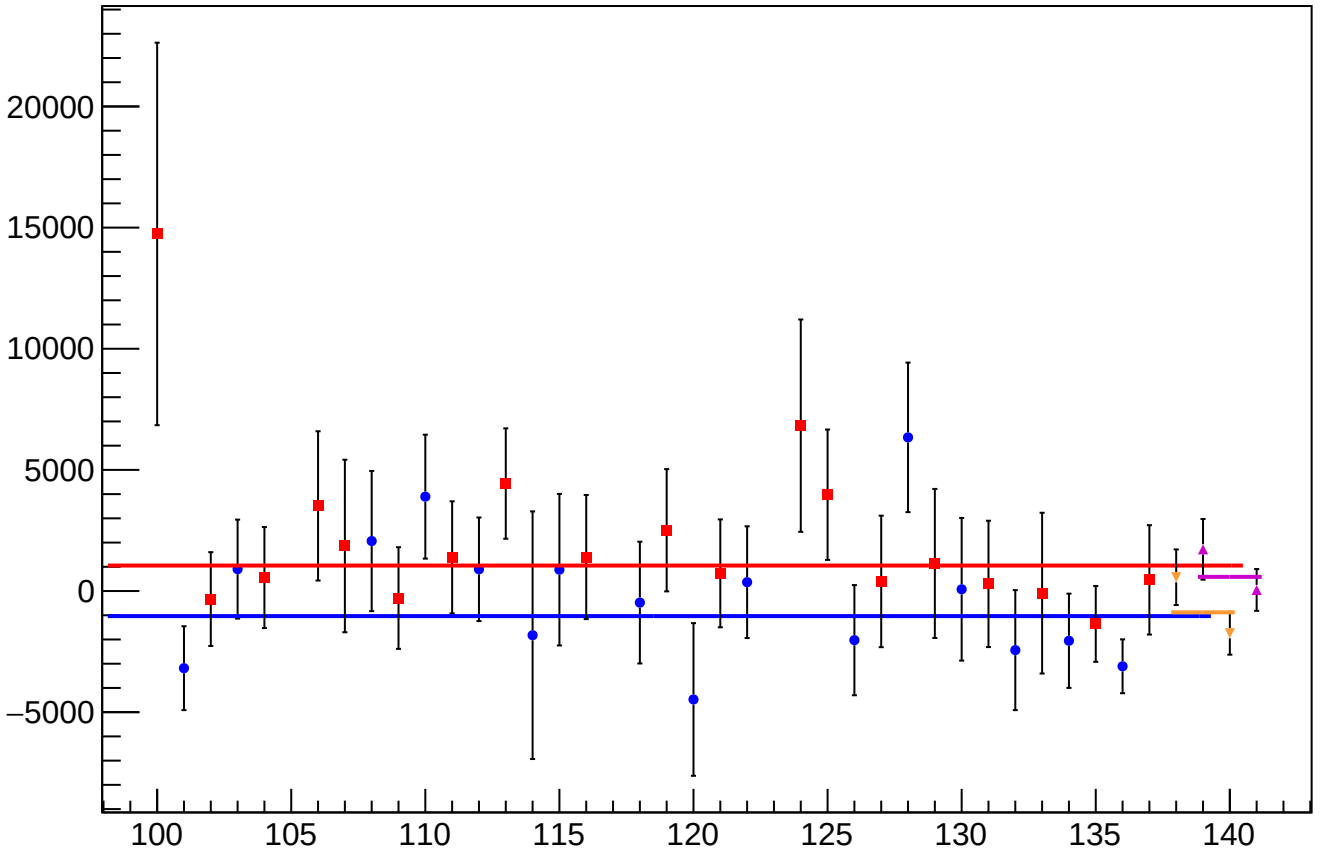
Left: 87.572+/-0.034 χ^2/NDF: 4865.3/3

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 89.643+/-0.021 χ^2/NDF:283465.1/17

Out: 91.756+/-0.022 χ^2/NDF:303477.0/20

All: 90.680+/-0.015 χ^2/NDF: 591734.1/38



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -878.811+/-701.455 χ^2/NDF:2.5/1

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 585.051+/-710.093 χ^2/NDF:1.2/1

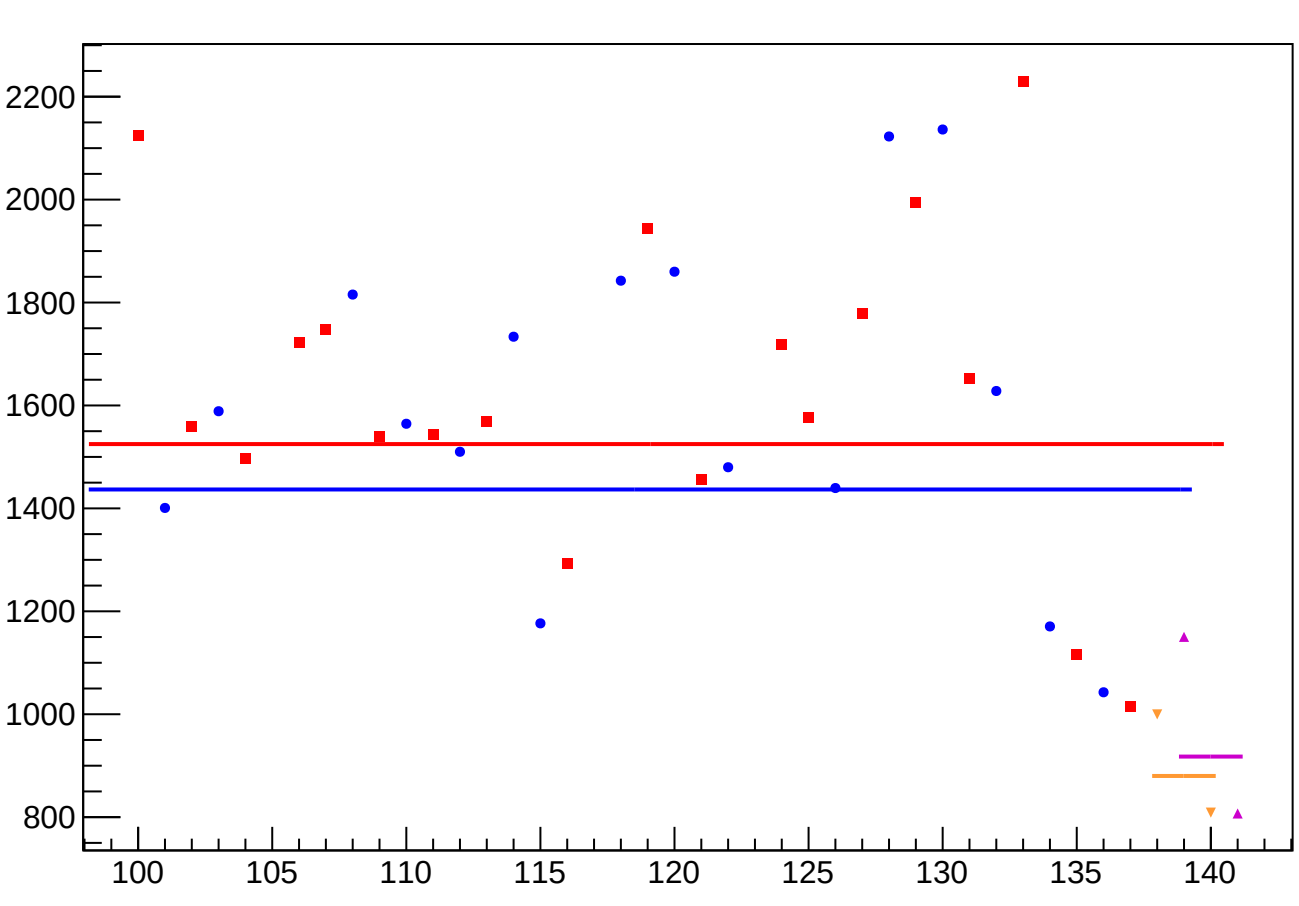
Left: -155.838+/-499.030 χ^2/NDF: 5.9/3

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -427.265+/-434.926 χ^2/NDF:24.7/17

Out: 285.547+/-441.866 χ^2/NDF:20.0/20

All: -76.500+/-309.963 χ^2/NDF: 46.0/38



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 880.052+/-0.496 χ^2/NDF:34640.2/1

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 917.725+/-0.502 χ^2/NDF:102040.1/1

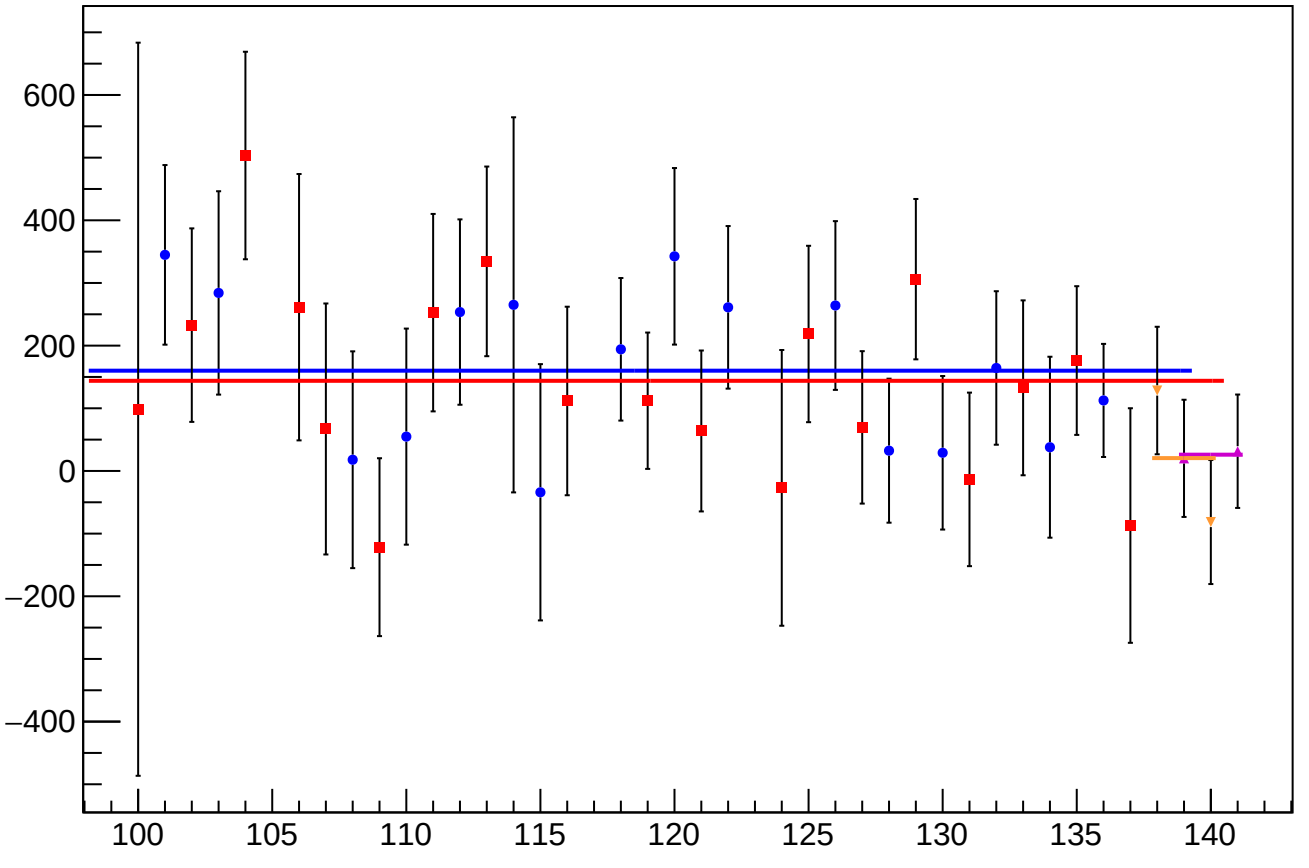
Left: 898.658+/-0.353 χ^2/NDF: 139529.4/3

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1242.030+/-0.308 χ^2/NDF:1445330.2/17

Out: 1269.052+/-0.312 χ^2/NDF:1558910.2/20

All: 1255.327+/-0.219 χ^2/NDF: 3008039.6/38



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 20.505+/-70.931 χ^2/NDF:2.2/1

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 25.978+/-65.026 χ^2/NDF:0.0/1

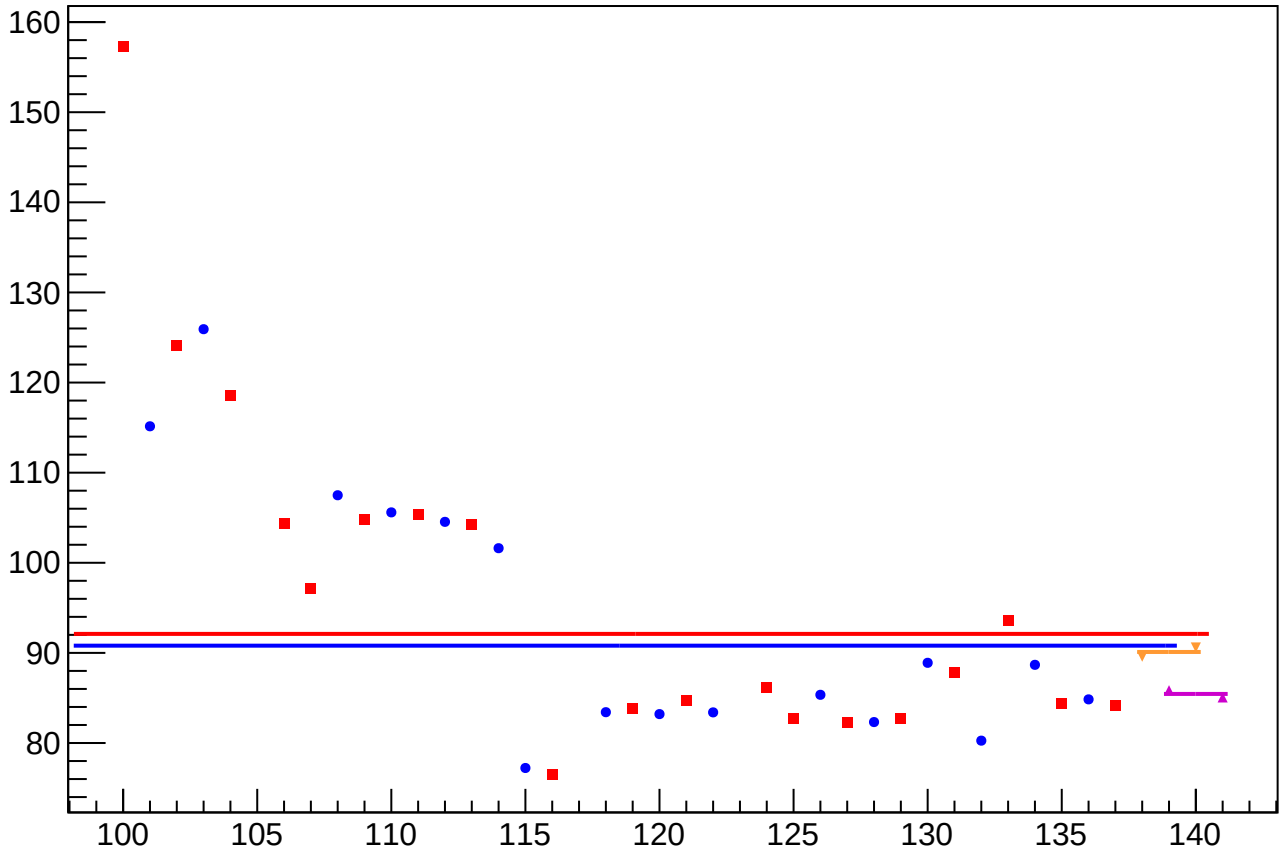
Left: 23.479+/-47.932 χ^2/NDF: 2.2/3

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 131.016+/-30.248 χ^2/NDF:14.4/17

Out: 120.577+/-30.817 χ^2/NDF:22.0/20

All: 125.894+/-21.587 χ^2/NDF: 36.4/38



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 90.103+/-0.050 χ^2/NDF:104.5/1

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 85.446+/-0.046 χ^2/NDF:76.0/1

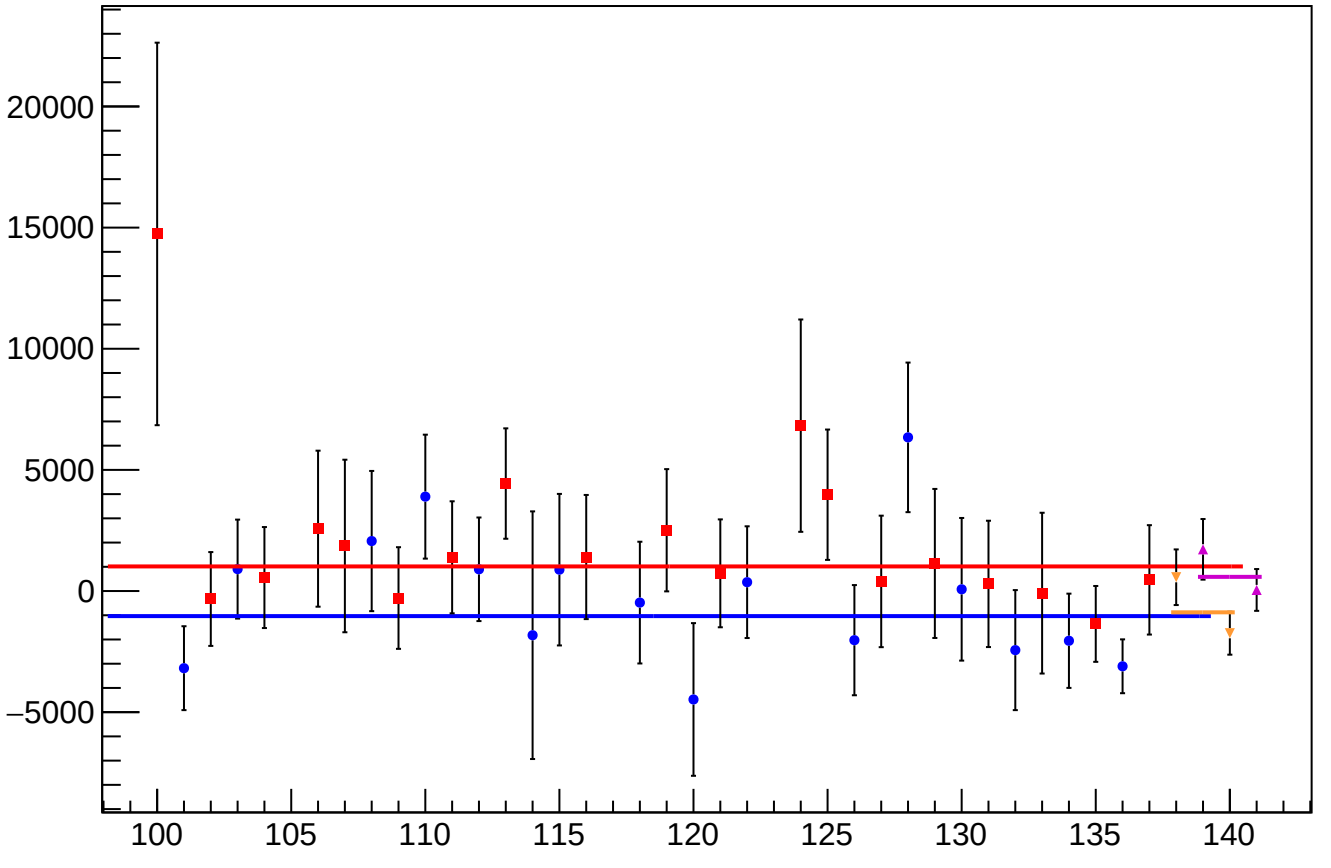
Left: 87.572+/-0.034 χ^2/NDF: 4865.3/3

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 89.643+/-0.021 χ^2/NDF:283467.0/17

Out: 91.730+/-0.022 χ^2/NDF:302169.4/20

All: 90.667+/-0.015 χ^2/NDF: 590307.0/38



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -878.790+/-701.455 χ^2/NDF:2.5/1

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 585.073+/-710.093 χ^2/NDF:1.2/1

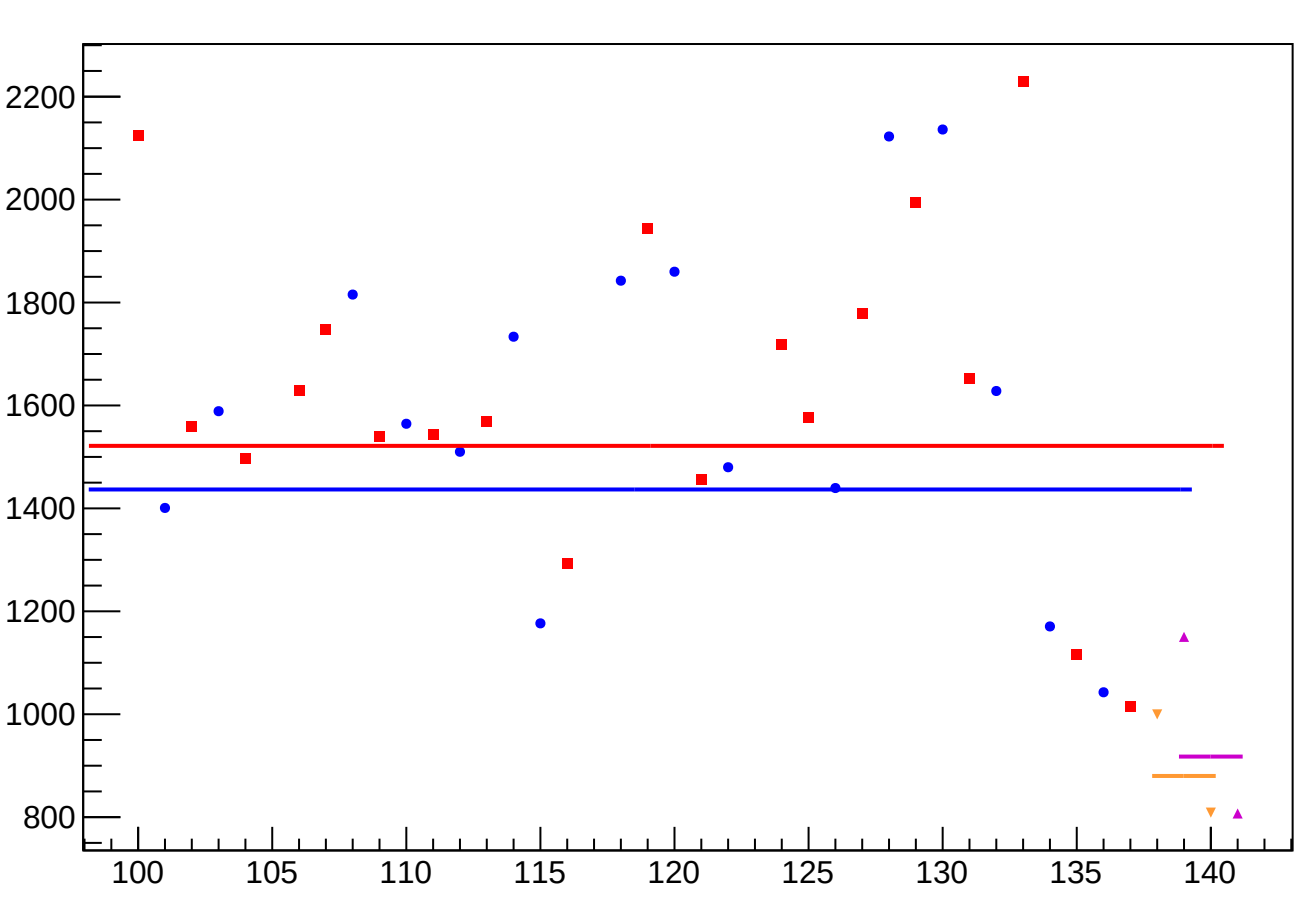
Left: -155.817+/-499.029 χ^2/NDF: 5.9/3

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -427.240+/-434.927 χ^2/NDF:24.7/17

Out: 262.426+/-442.258 χ^2/NDF:19.4/20

All: -88.170+/-310.099 χ^2/NDF: 45.3/38



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 880.052+/-0.496 χ^2/NDF:34640.6/1

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 917.725+/-0.502 χ^2/NDF:102039.6/1

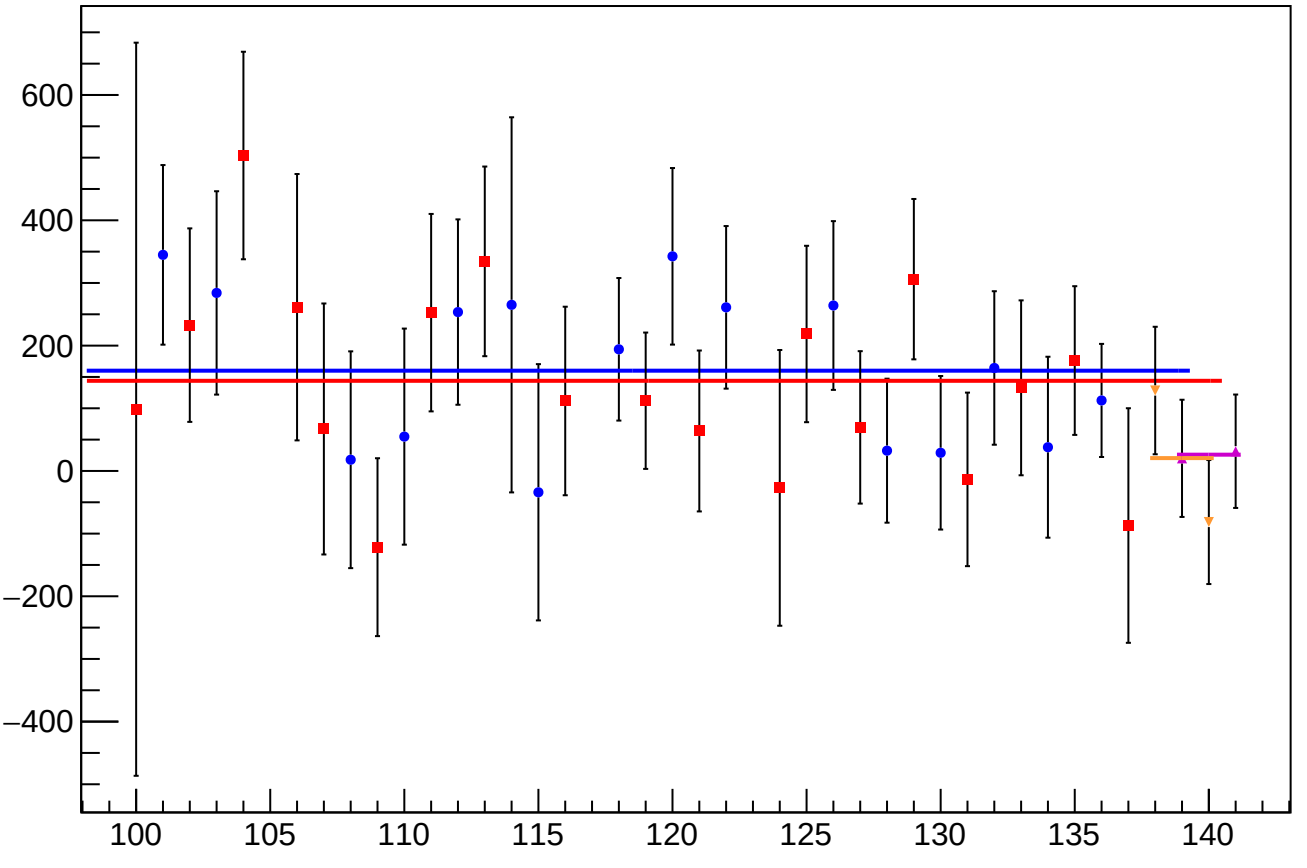
Left: 898.658+/-0.353 χ^2/NDF: 139529.5/3

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1242.032+/-0.308 χ^2/NDF:1445345.1/17

Out: 1266.513+/-0.313 χ^2/NDF:1540623.3/20

All: 1254.068+/-0.219 χ^2/NDF: 2989084.0/38



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 20.505+/-70.931 χ^2/NDF:2.2/1

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 25.978+/-65.026 χ^2/NDF:0.0/1

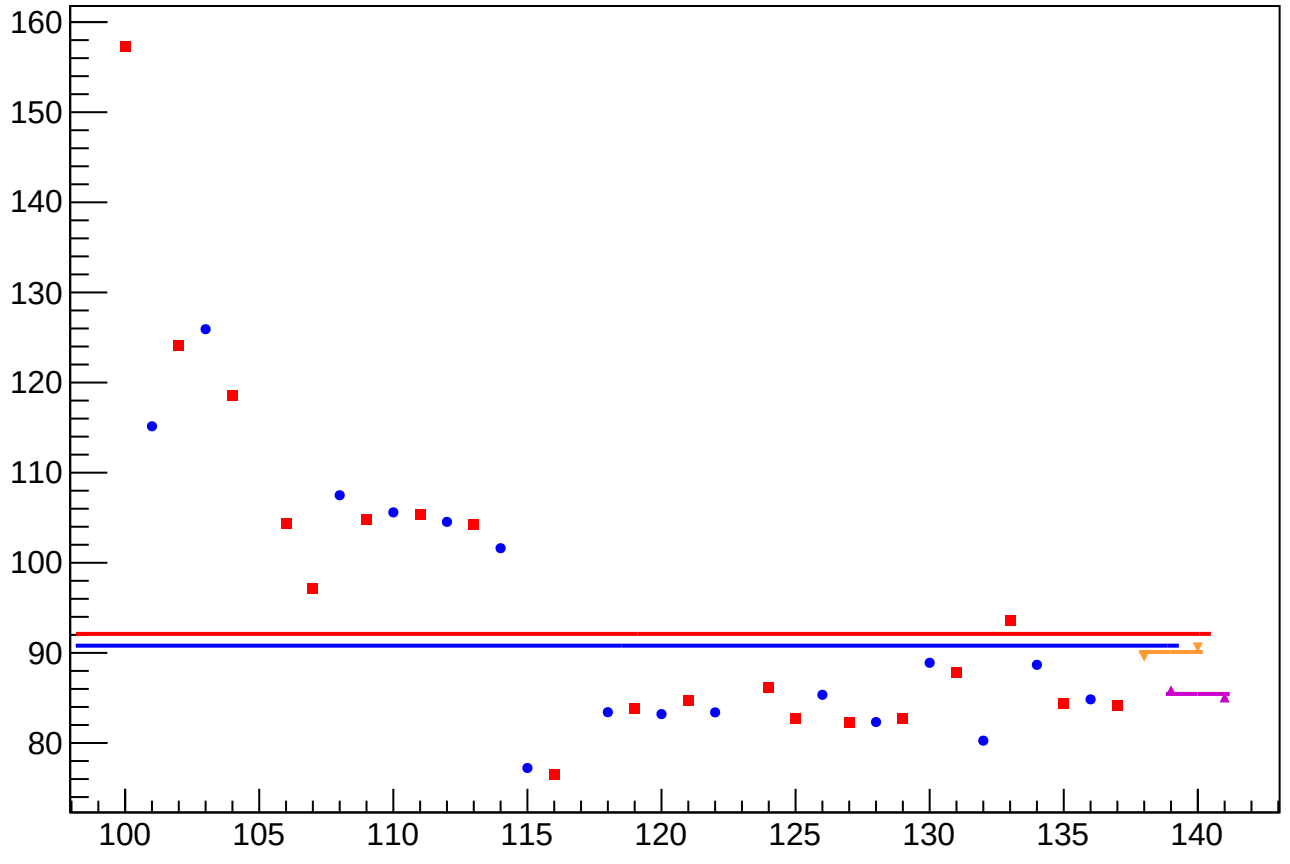
Left: 23.479+/-47.932 χ^2/NDF: 2.2/3

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 131.016+/-30.248 χ^2/NDF:14.4/17

Out: 120.577+/-30.817 χ^2/NDF:22.0/20

All: 125.894+/-21.587 χ^2/NDF: 36.4/38



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 90.103+/-0.050 χ^2/NDF:104.5/1

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 85.446+/-0.046 χ^2/NDF:76.0/1

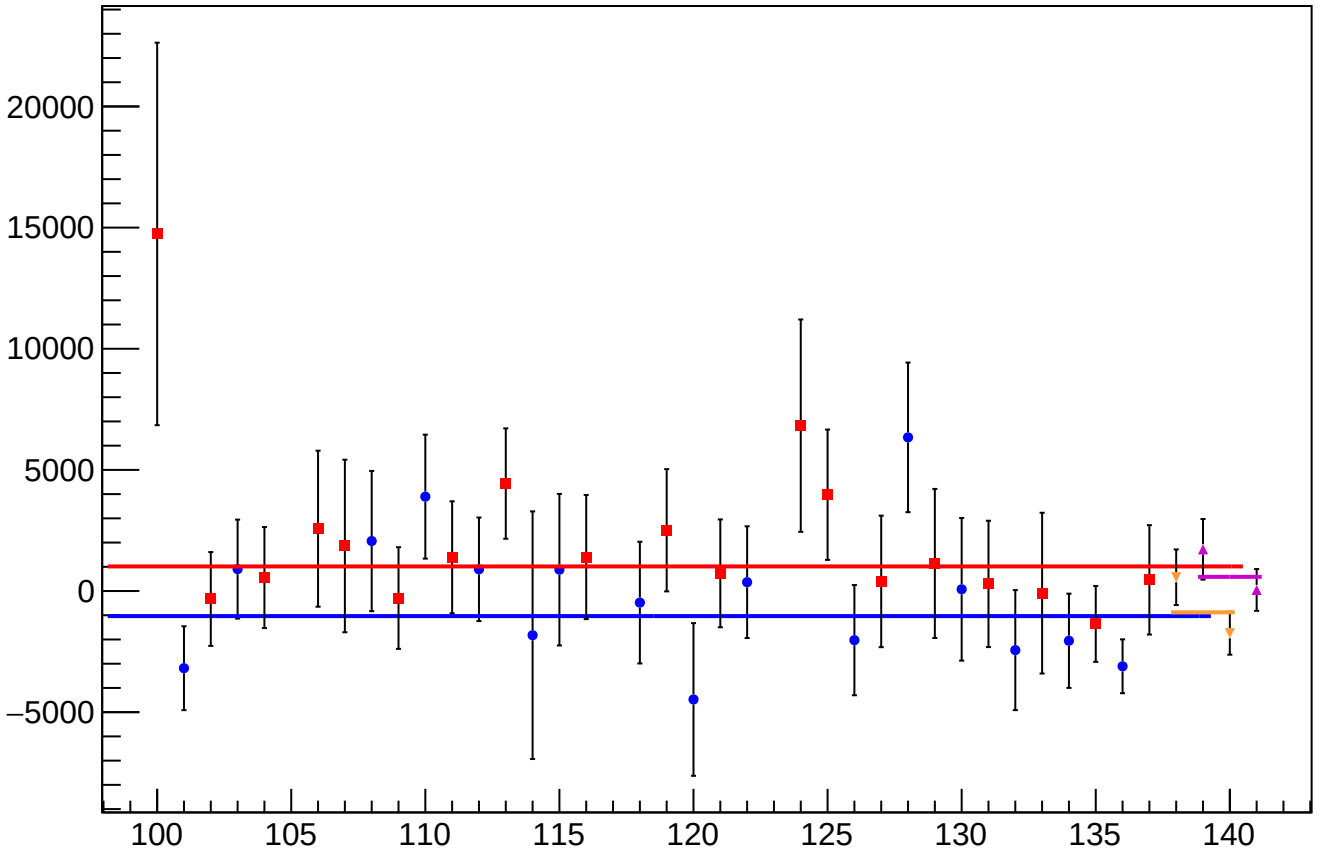
Left: 87.572+/-0.034 χ^2/NDF: 4865.3/3

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 89.643+/-0.021 χ^2/NDF:283467.0/17

Out: 91.730+/-0.022 χ^2/NDF:302169.4/20

All: 90.667+/-0.015 χ^2/NDF: 590307.0/38



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -878.790+/-701.455 χ^2/NDF:2.5/1

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 585.073+/-710.093 χ^2/NDF:1.2/1

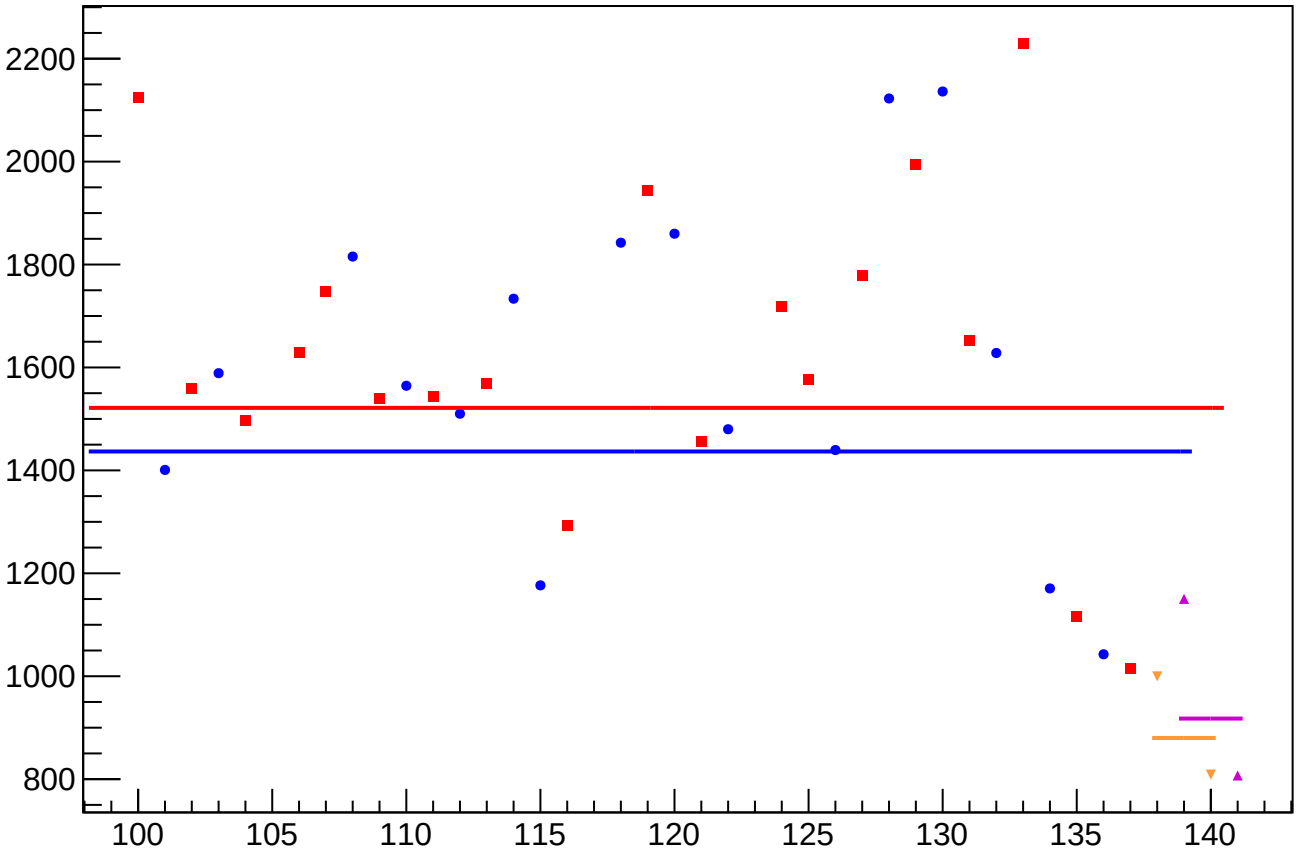
Left: -155.817+/-499.029 χ^2/NDF: 5.9/3

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -427.240+/-434.927 χ^2/NDF:24.7/17

Out: 262.426+/-442.258 χ^2/NDF:19.4/20

All: -88.170+/-310.099 χ^2/NDF: 45.3/38



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 880.052+/-0.496 χ^2/NDF:34640.6/1

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 917.725+/-0.502 χ^2/NDF:102039.6/1

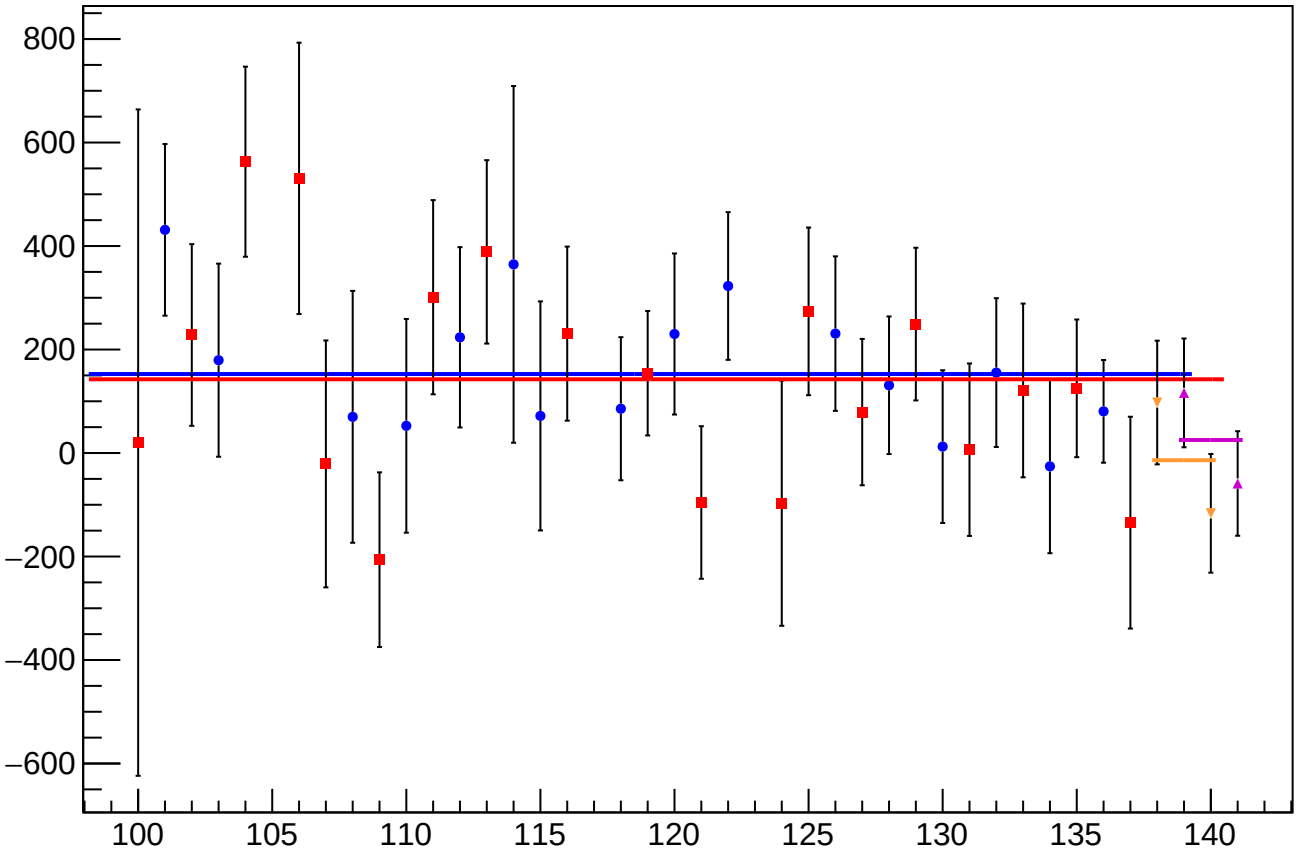
Left: 898.658+/-0.353 χ^2/NDF: 139529.5/3

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1242.032+/-0.308 χ^2/NDF:1445345.1/17

Out: 1266.513+/-0.313 χ^2/NDF:1540623.3/20

All: 1254.068+/-0.219 χ^2/NDF: 2989084.0/38



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -13.852+/-82.767 χ^2/NDF:1.7/1

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: 25.168+/-72.837 χ^2/NDF:1.4/1

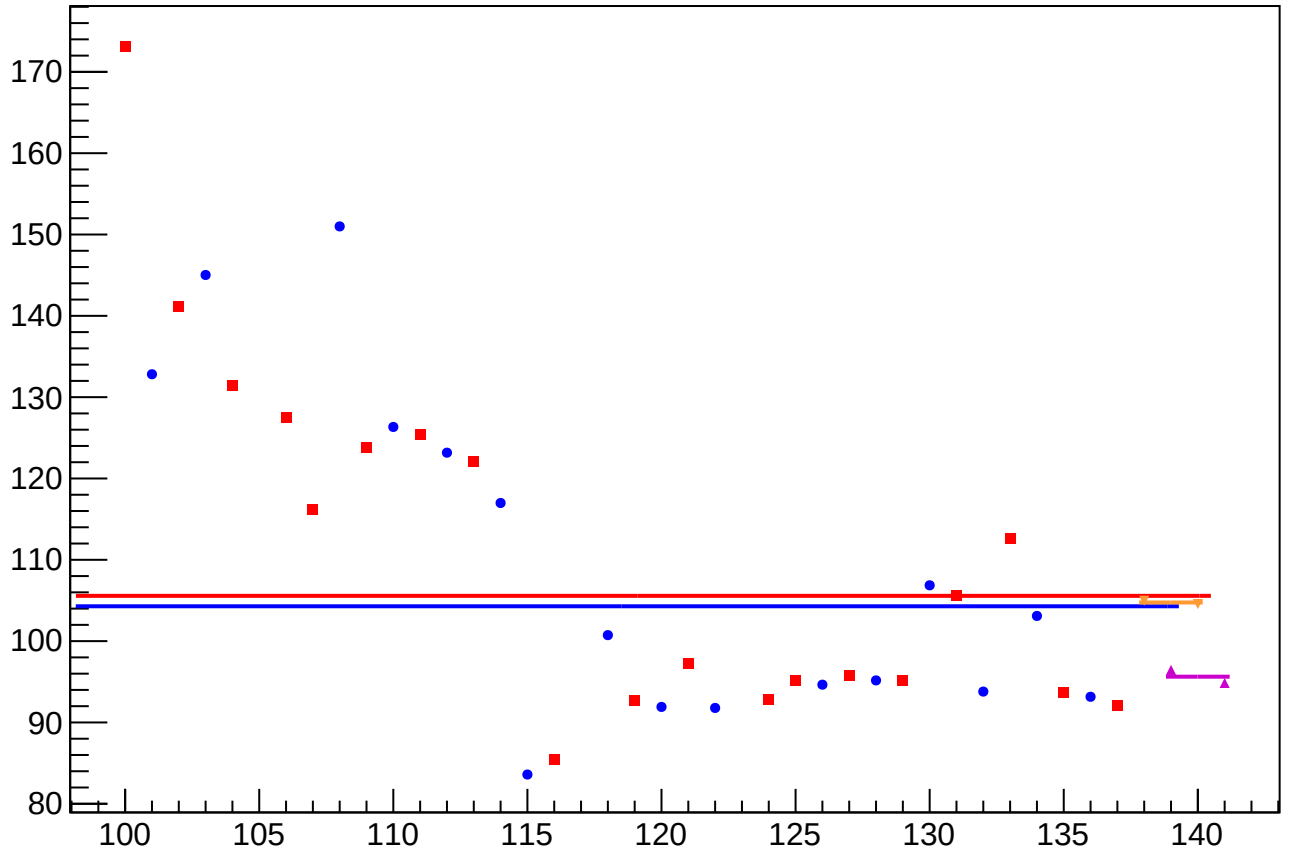
Left: 8.138+/-54.679 χ^2/NDF: 3.2/3

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 123.721+/-34.686 χ^2/NDF:12.4/17

Out: 113.683+/-35.531 χ^2/NDF:27.5/20

All: 118.823+/-24.820 χ^2/NDF: 40.0/38



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 104.754+/-0.059 χ^2/NDF:12.5/1

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 95.628+/-0.052 χ^2/NDF:242.8/1

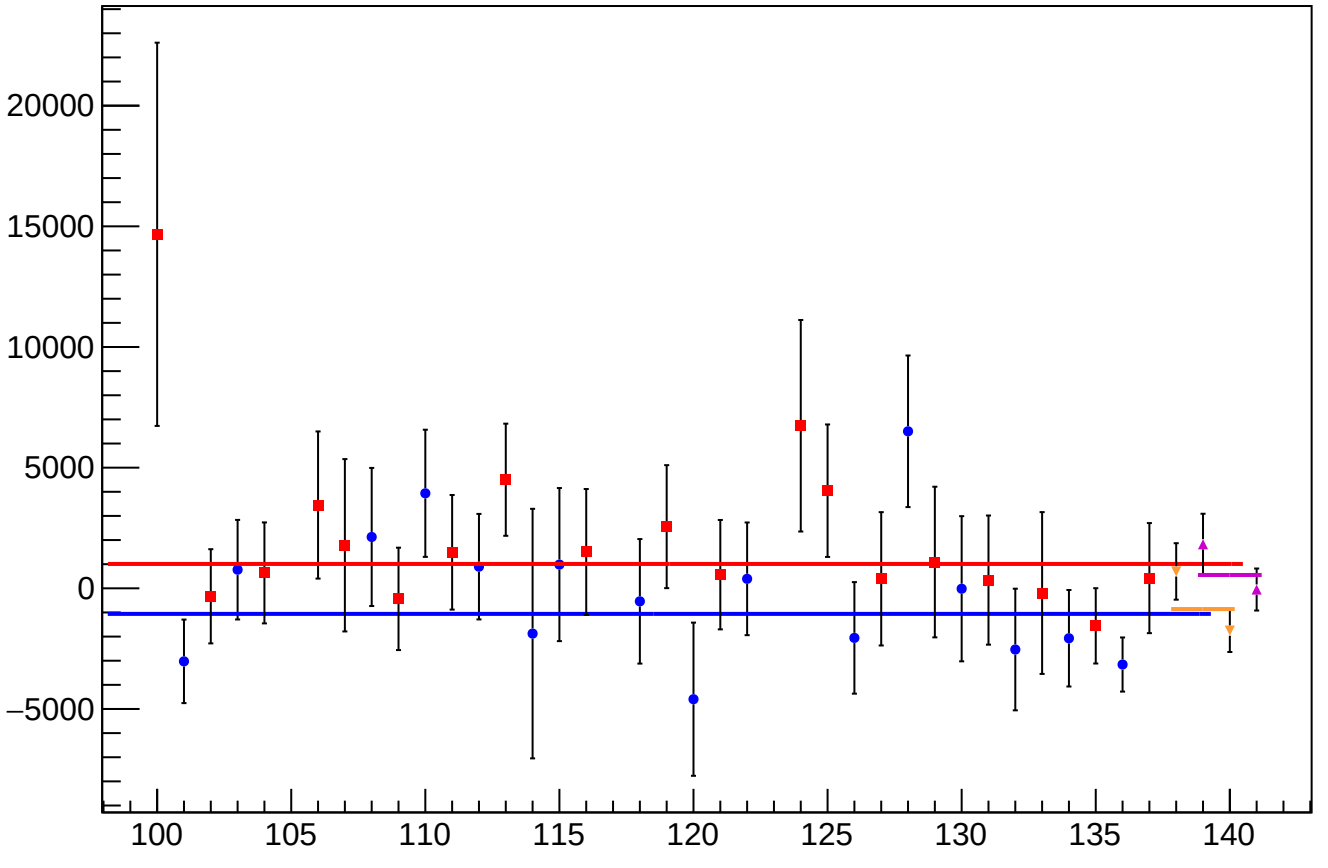
Left: 99.611+/-0.039 χ^2/NDF: 13958.4/3

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 102.323+/-0.025 χ^2/NDF:400404.6/17

Out: 105.418+/-0.025 χ^2/NDF:344776.2/20

All: 103.833+/-0.018 χ^2/NDF: 752953.5/38



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -859.257+/-706.331 χ^2/NDF:2.8/1

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 552.605+/-717.172 χ^2/NDF:1.5/1

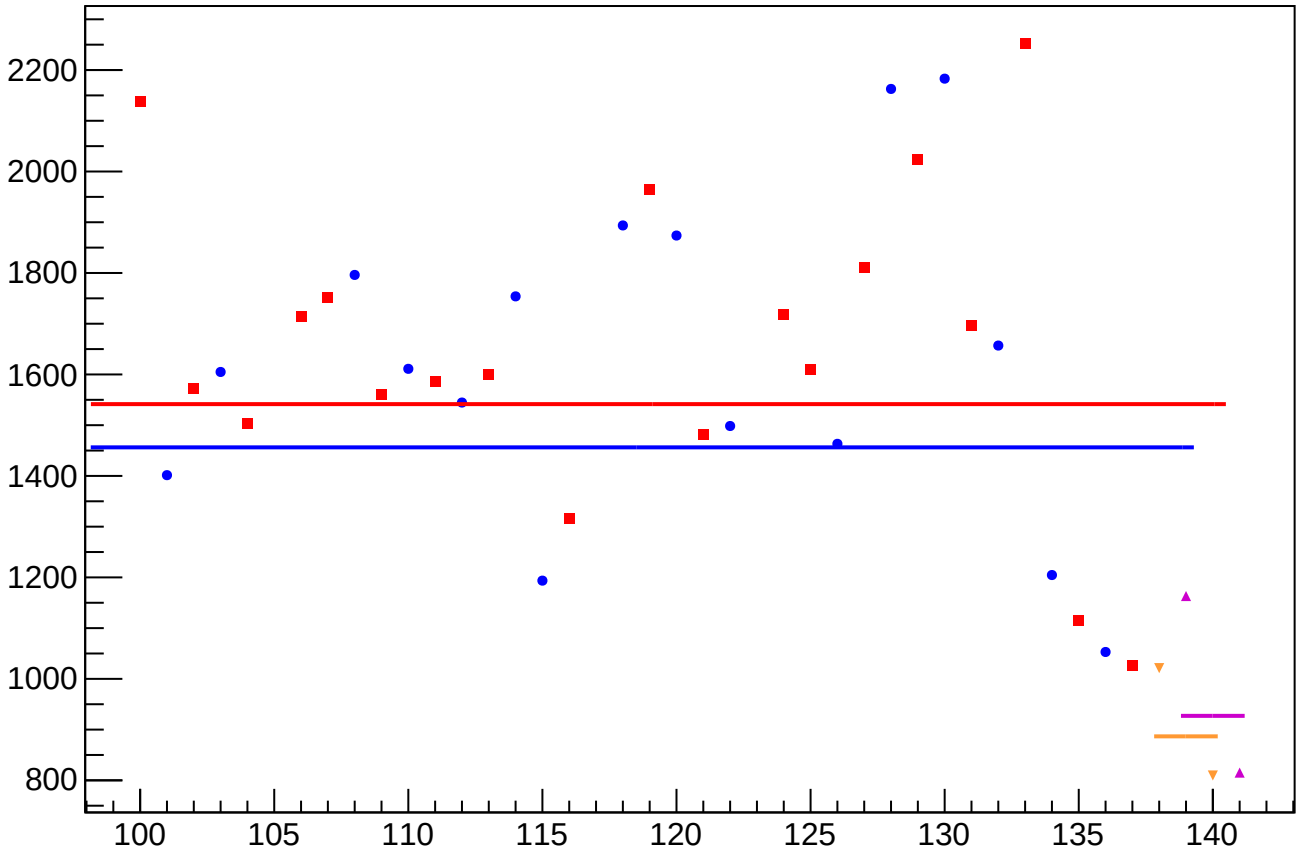
Left: -164.078+/-503.241 χ^2/NDF: 6.2/3

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -451.983+/-440.225 χ^2/NDF:24.7/17

Out: 264.760+/-445.970 χ^2/NDF:20.3/20

All: -98.259+/-313.297 χ^2/NDF: 46.3/38



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 886.675+/-0.499 χ^2/NDF:41571.1/1

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 927.095+/-0.507 χ^2/NDF:102727.5/1

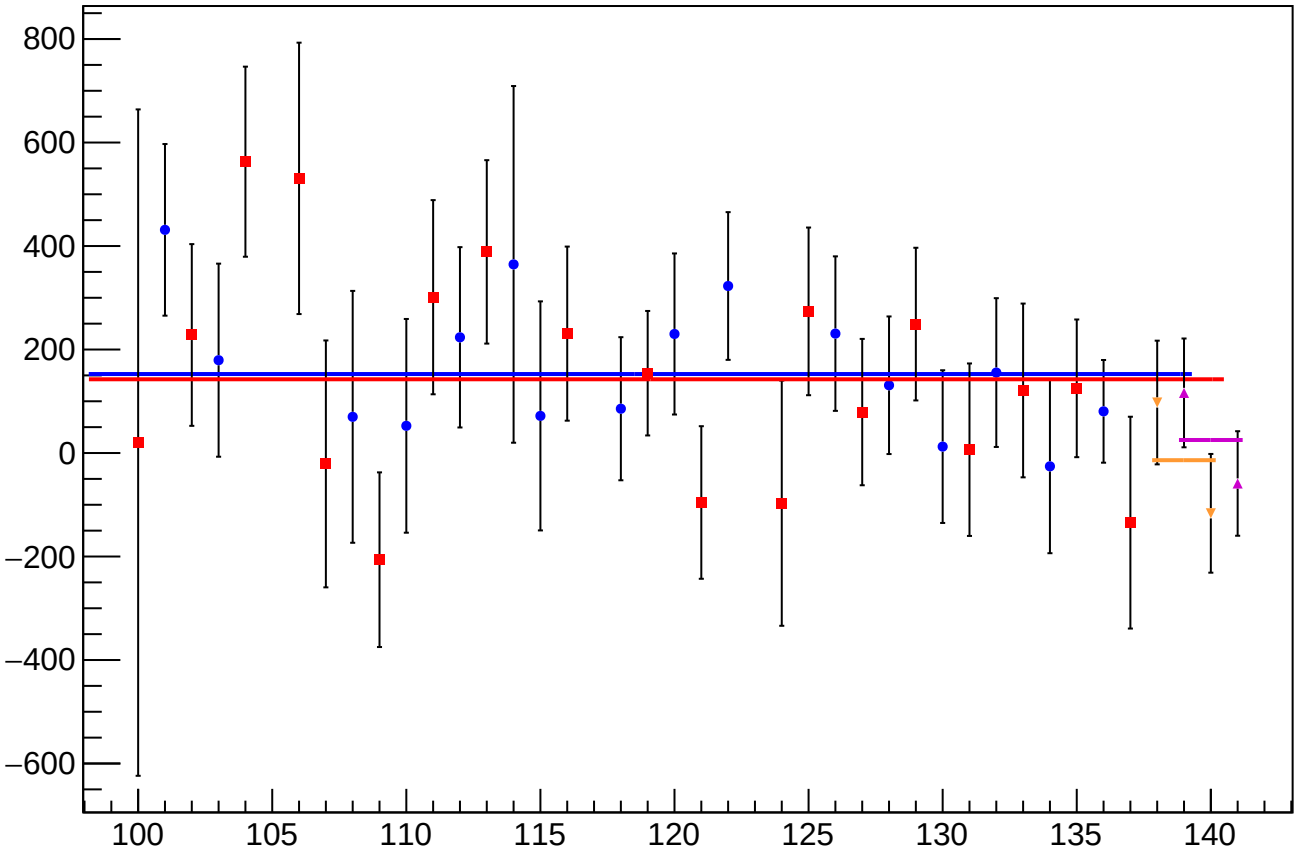
Left: 906.577+/-0.356 χ^2/NDF: 147523.5/3

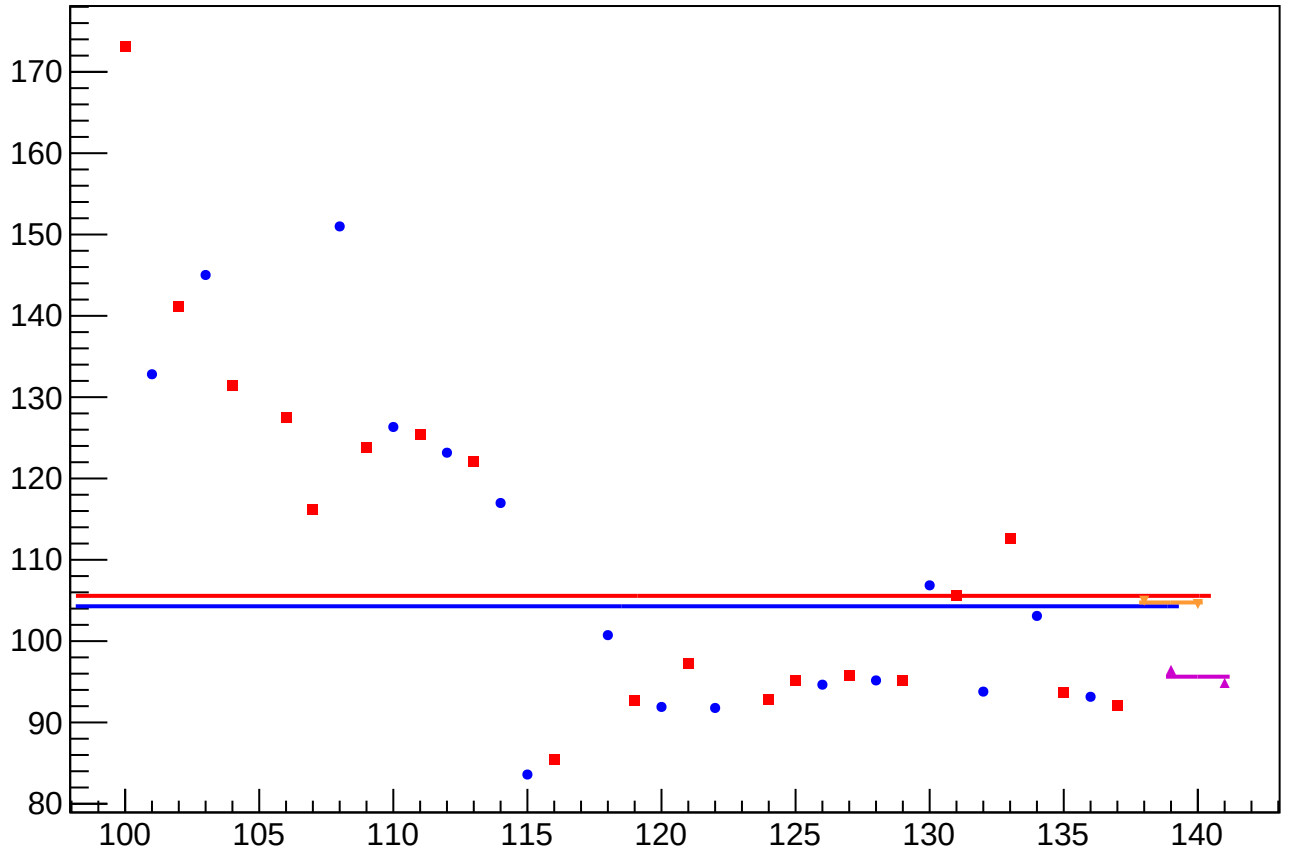
Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1256.902+/-0.311 χ^2/NDF:1466219.8/17

Out: 1280.466+/-0.315 χ^2/NDF:1594665.4/20

All: 1268.531+/-0.222 χ^2/NDF: 3063713.1/38


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
105
110
115
120
125
130
135
140
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -13.853+/-82.767 χ²/NDF:1.7/1
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: 25.168+/-72.836 χ²/NDF:1.4/1
Left: 8.137+/-54.679 χ²/NDF: 3.2/3
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 123.722+/-34.686 χ²/NDF:12.4/17
Out: 113.681+/-35.531 χ²/NDF:27.5/20
All: 118.823+/-24.820 χ²/NDF: 40.0/38



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 104.754+/-0.059 χ^2/NDF:12.4/1

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 95.628+/-0.052 χ^2/NDF:242.7/1

Left: 99.611+/-0.039 χ^2/NDF: 13958.2/3

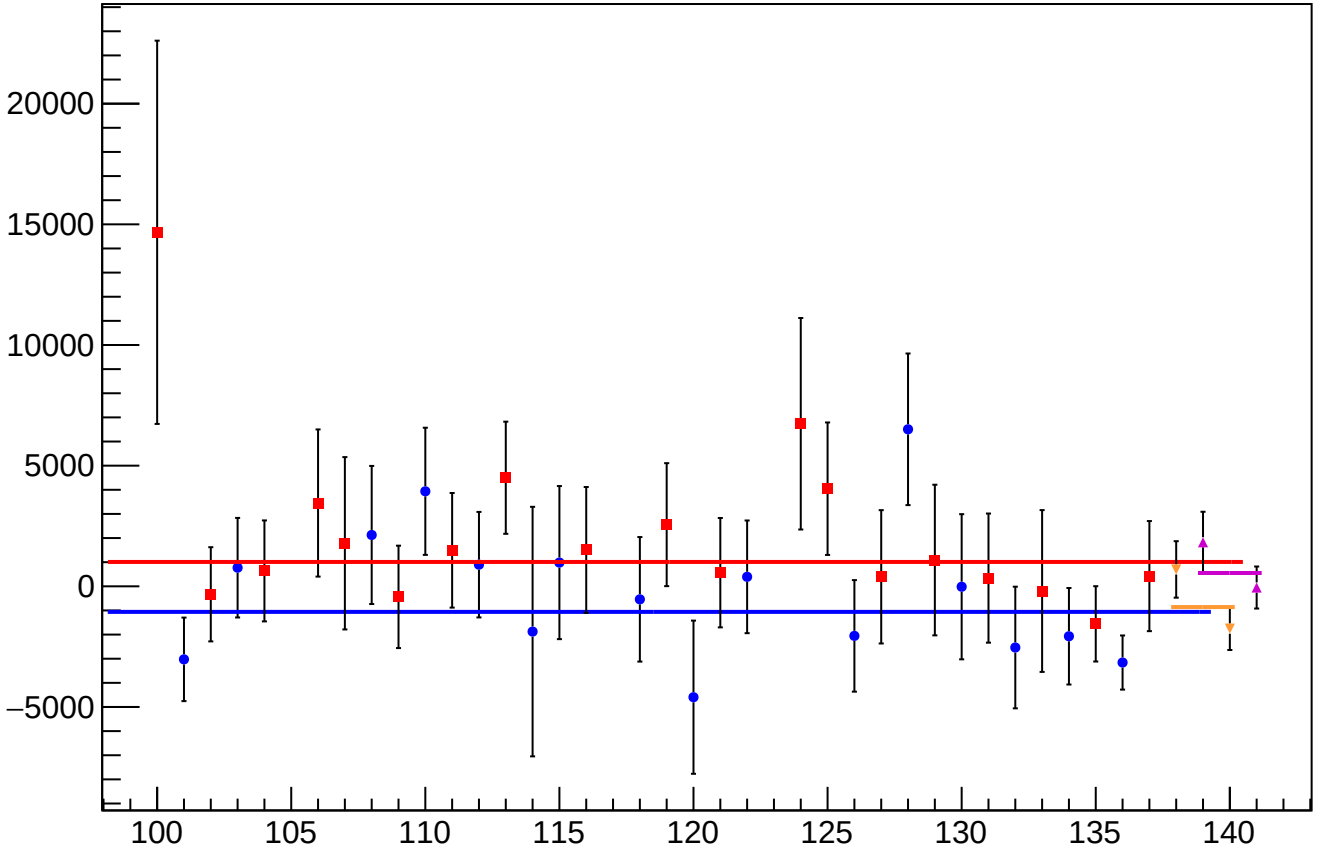
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 102.322+/-0.025 χ^2/NDF:400402.8/17

Out: 105.418+/-0.025 χ^2/NDF:344775.2/20

All: 103.832+/-0.018 χ^2/NDF: 752951.6/38

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -859.256+/-706.330 χ^2/NDF:2.8/1

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 552.606+/-717.171 χ^2/NDF:1.5/1

Left: -164.077+/-503.240 χ^2/NDF: 6.2/3

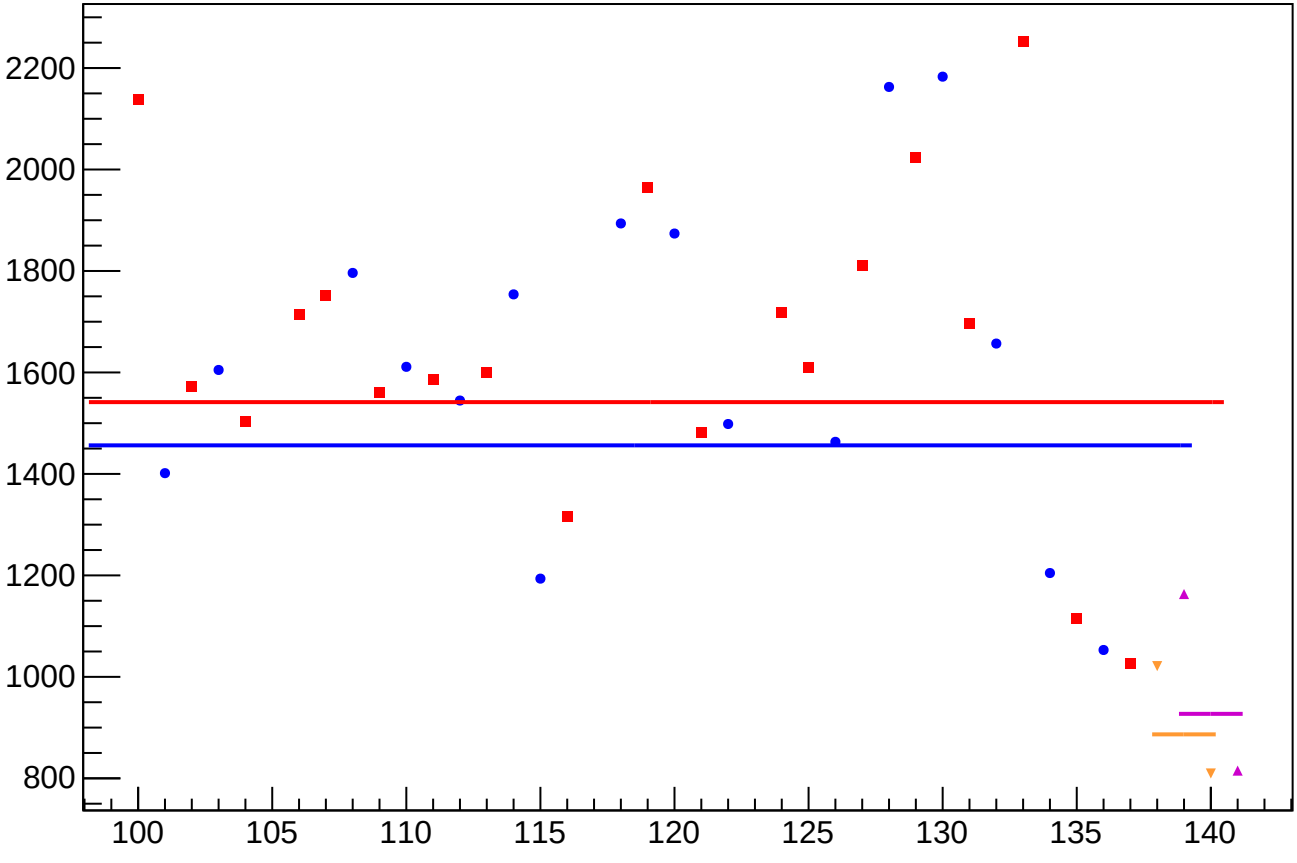
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -451.980+/-440.224 χ^2/NDF:24.7/17

Out: 264.759+/-445.969 χ^2/NDF:20.3/20

All: -98.257+/-313.297 χ^2/NDF: 46.3/38

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 886.673+/-0.499 χ^2/NDF:41570.3/1

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 927.094+/-0.507 χ^2/NDF:102726.9/1

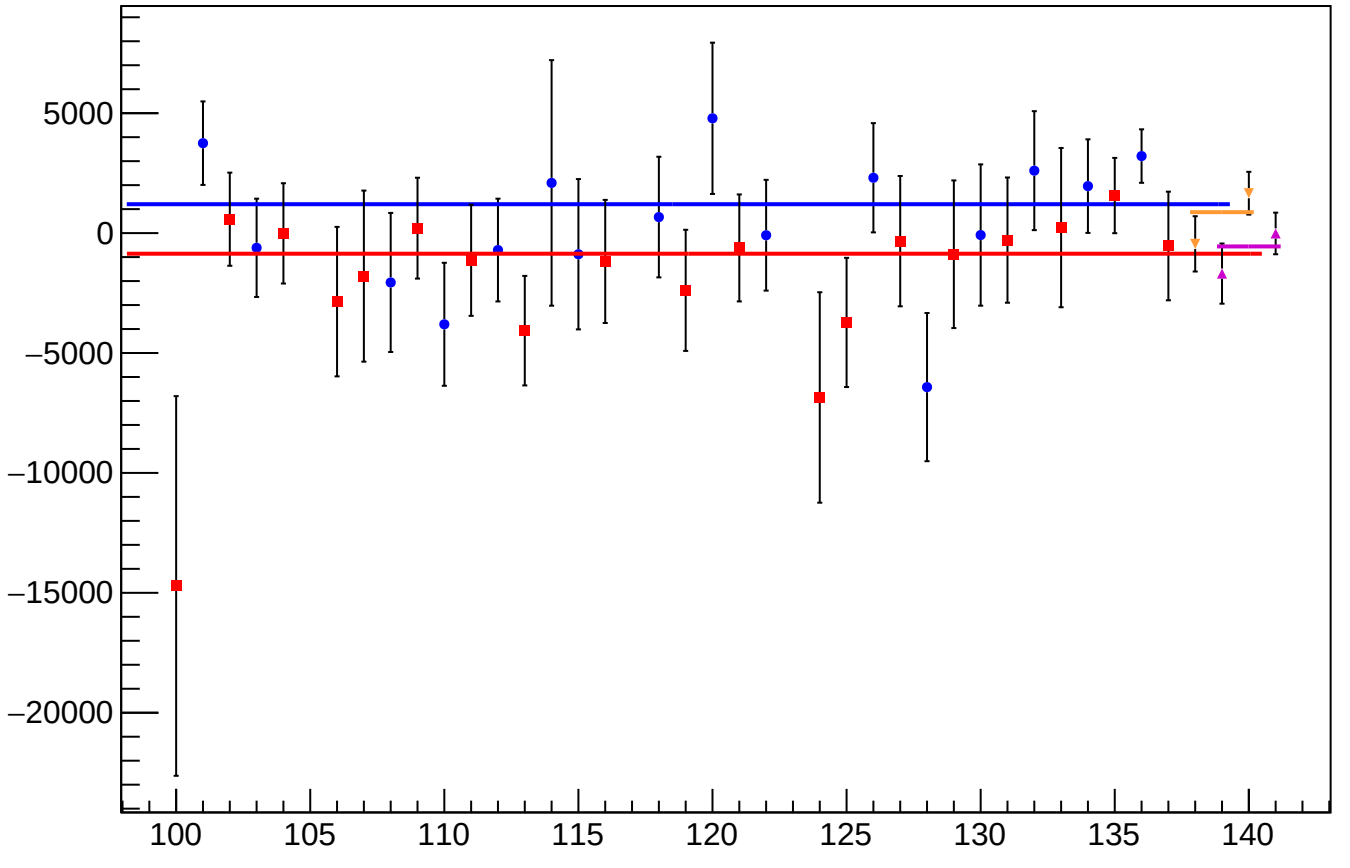
Left: 906.575+/-0.356 χ^2/NDF: 147522.1/3

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1256.900+/-0.311 χ^2/NDF:1466216.2/17

Out: 1280.463+/-0.315 χ^2/NDF:1594665.9/20

All: 1268.529+/-0.222 χ^2/NDF: 3063709.9/38



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 873.112+/-705.406 χ^2/NDF:2.1/1

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -556.120+/-713.478 χ^2/NDF:1.2/1

Left: 166.627+/-501.627 χ^2/NDF: 5.3/3

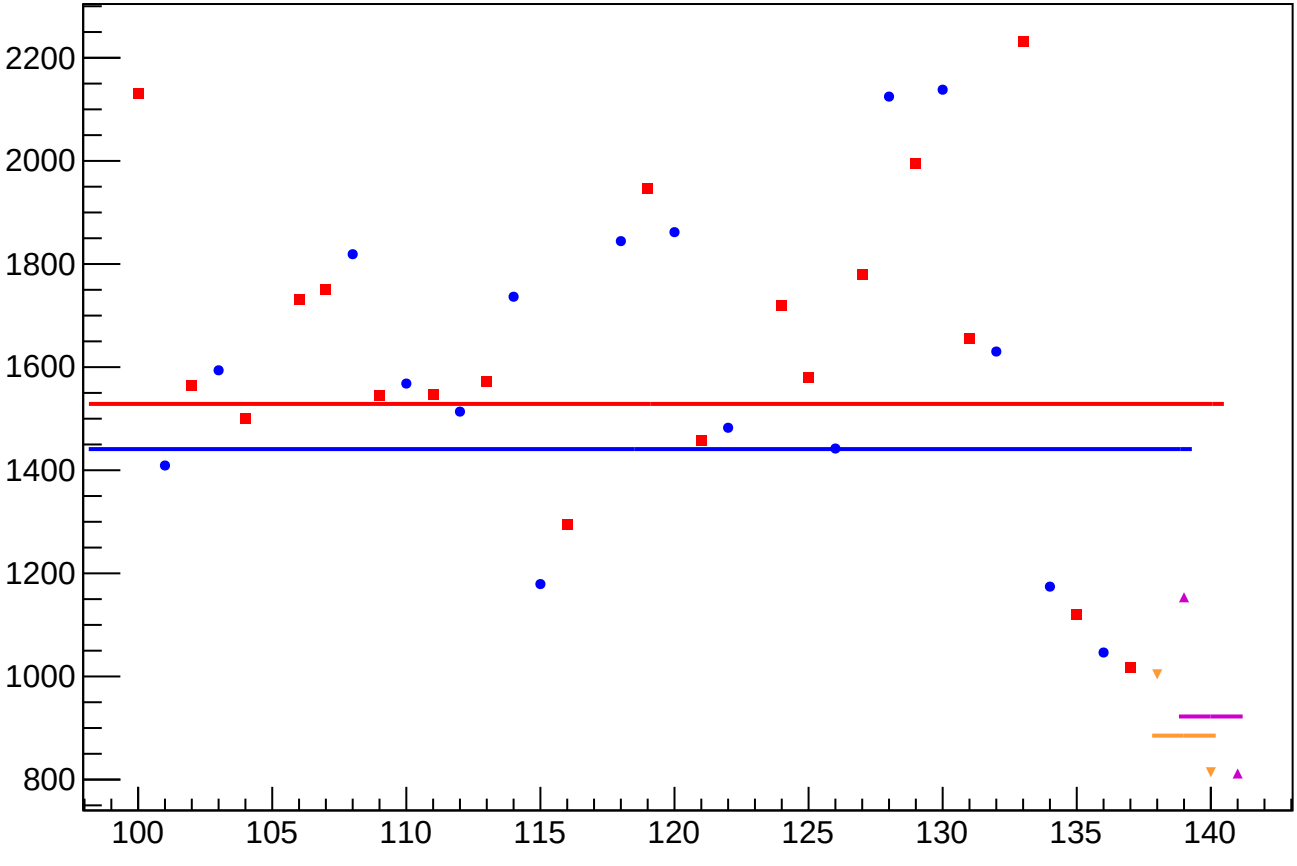
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 545.776+/-436.455 χ^2/NDF:26.2/17

Out: -174.395+/-443.534 χ^2/NDF:18.2/20

All: 191.484+/-311.093 χ^2/NDF: 45.7/38

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 885.228+/-0.499 χ^2/NDF:33954.3/1

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 922.367+/-0.505 χ^2/NDF:100451.5/1

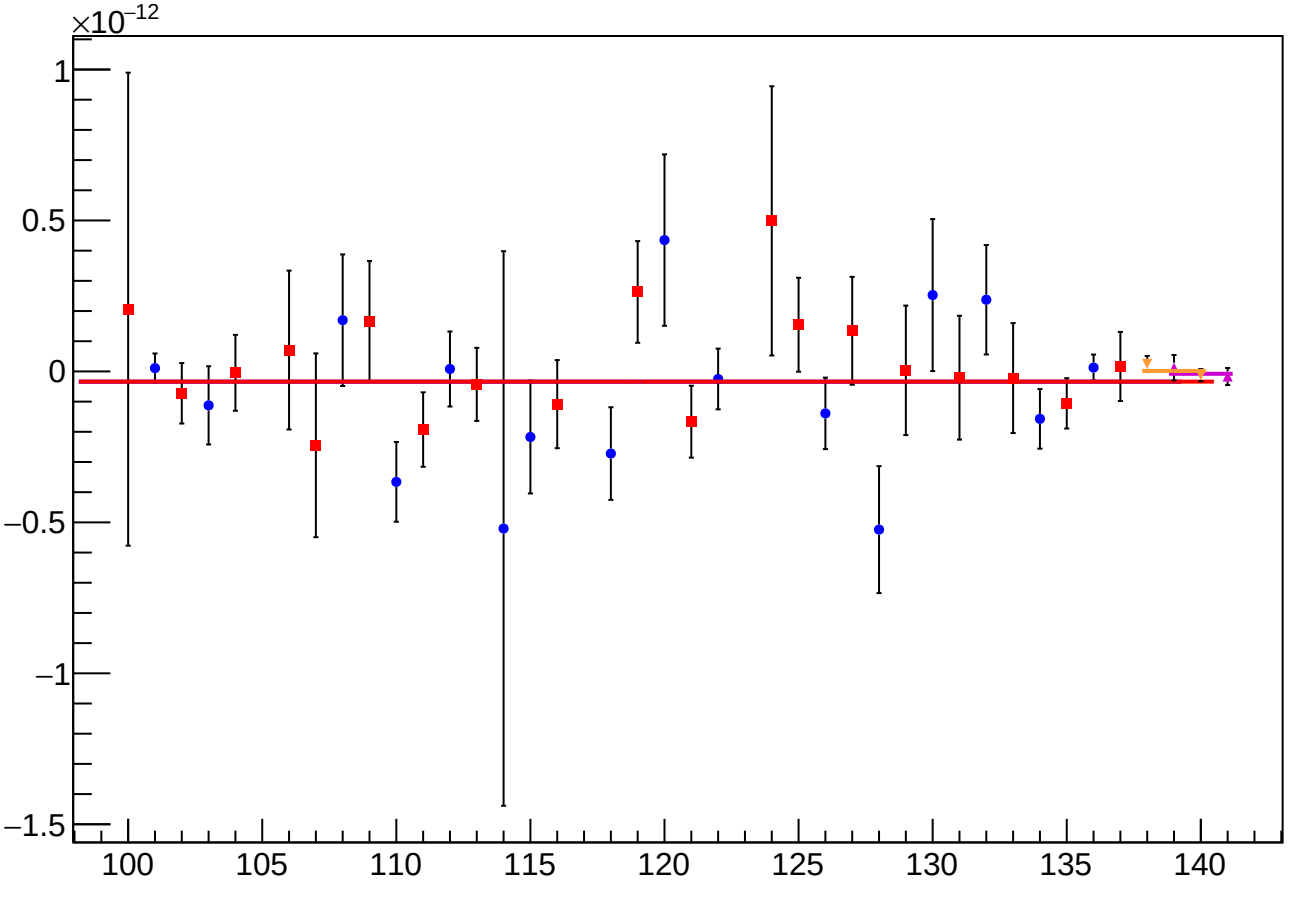
Left: 903.586+/-0.355 χ^2/NDF: 137146.4/3

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1246.937+/-0.309 χ^2/NDF:1432514.8/17

Out: 1274.278+/-0.314 χ^2/NDF:1541803.1/20

All: 1260.387+/-0.220 χ^2/NDF: 2978178.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

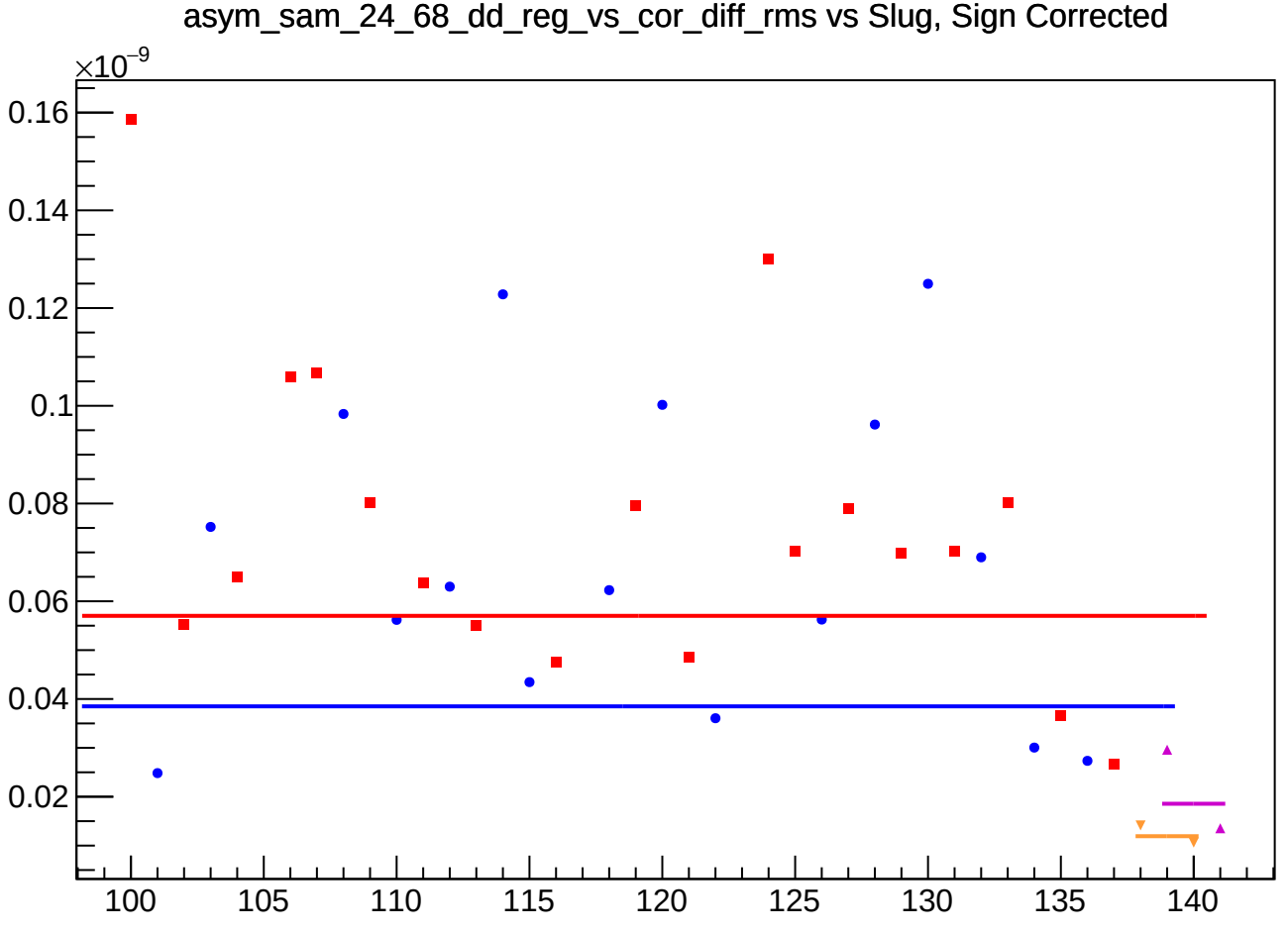
Left: -0.000+/-0.000 χ^2/NDF: 1.7/3

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:28.3/17

Out: -0.000+/-0.000 χ^2/NDF:15.2/20

All: -0.000+/-0.000 χ^2/NDF: 44.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22671.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:201382.9/1

Left: 0.000+/-0.000 χ^2/NDF: 333521.6/3

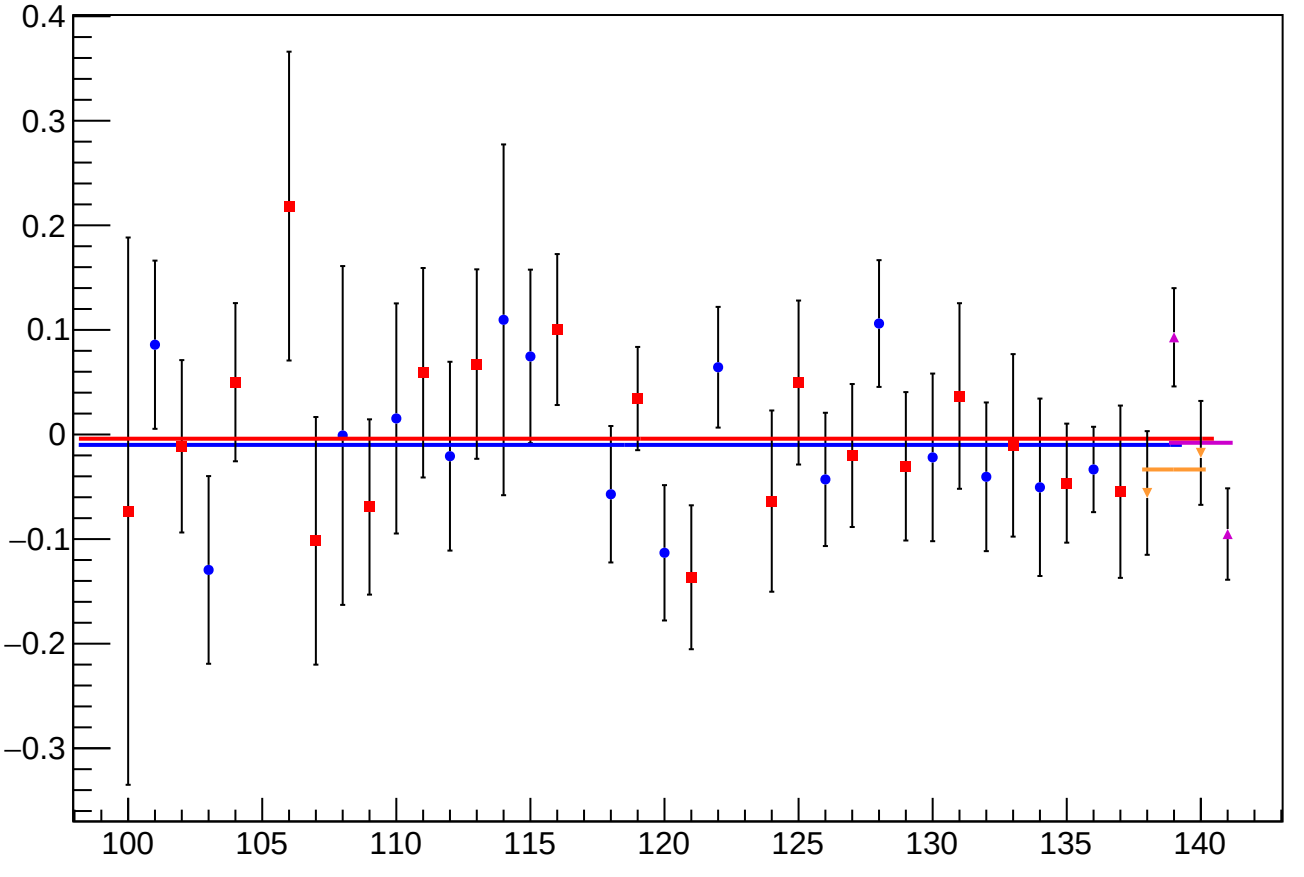
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:2257964.3/17

Out: 0.000+/-0.000 χ^2/NDF:3593771.7/20

All: 0.000+/-0.000 χ^2/NDF: 6089393.2/38

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.038 χ^2/NDF:0.2/1

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.032 χ^2/NDF:8.6/1

Left: -0.018+/-0.024 χ^2/NDF: 9.1/3

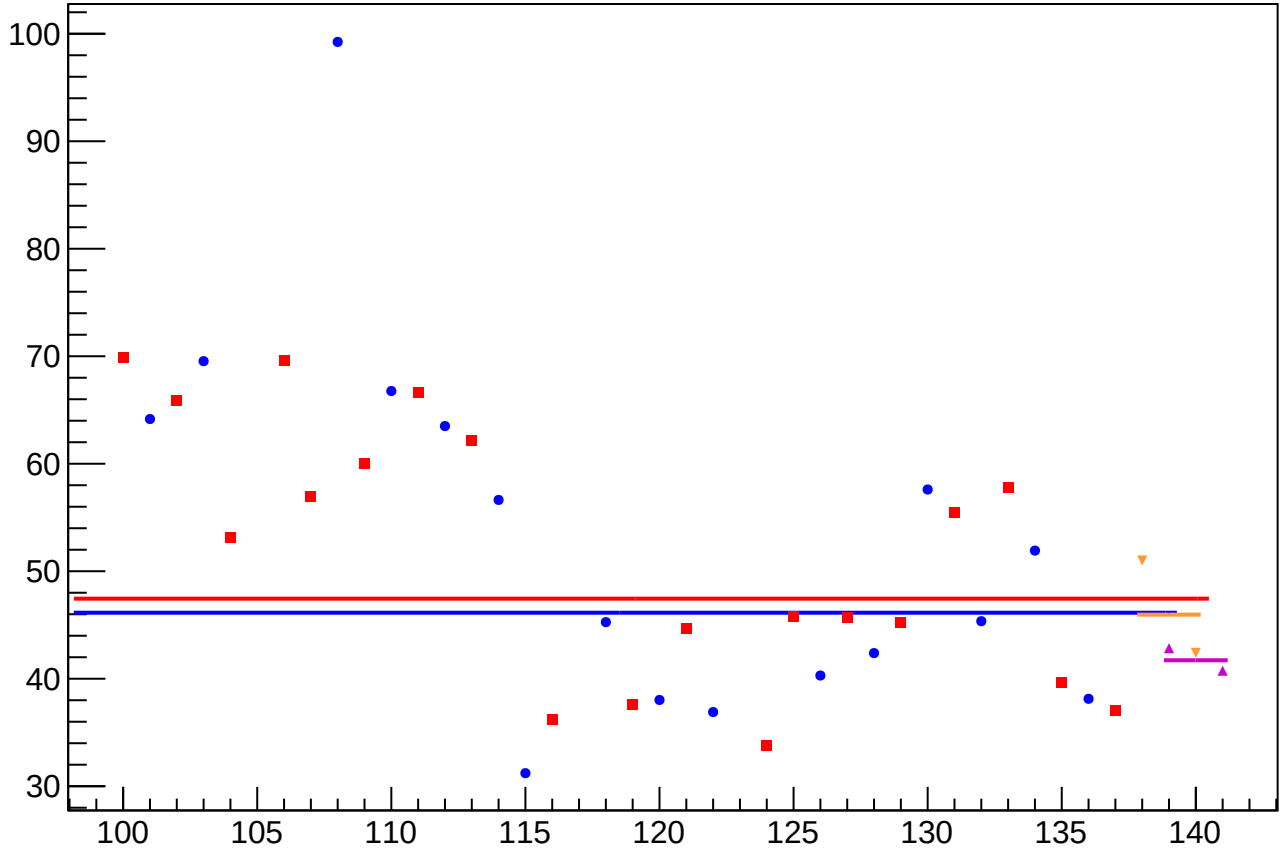
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.009+/-0.016 χ^2/NDF:22.8/17

Out: -0.009+/-0.016 χ^2/NDF:14.6/20

All: -0.009+/-0.011 χ^2/NDF: 37.4/38

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 45.961+/-0.027 χ^2/NDF:24758.0/1

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 41.718+/-0.023 χ^2/NDF:2124.6/1

Left: 43.477+/-0.017 χ^2/NDF: 41454.9/3

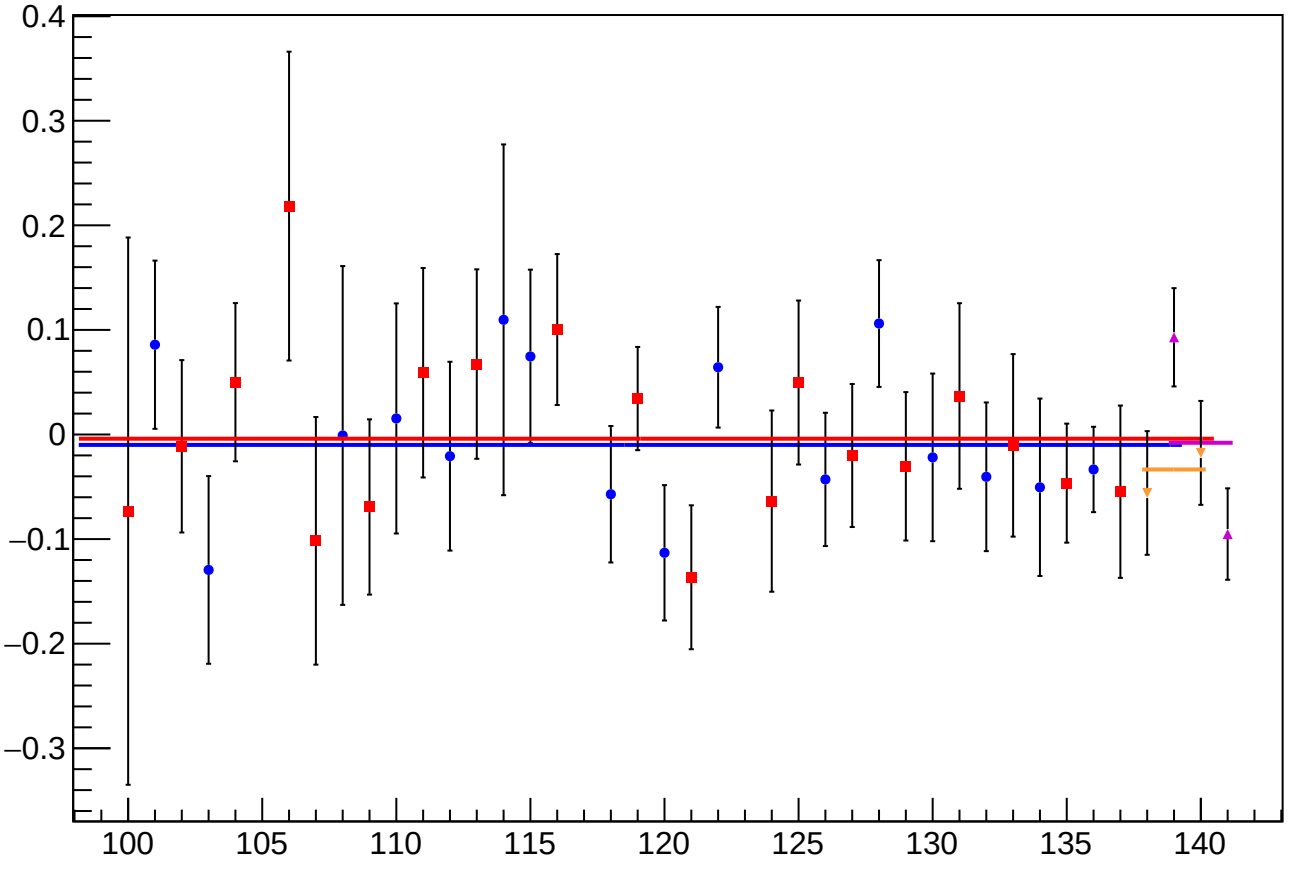
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 45.079+/-0.011 χ^2/NDF:934435.4/17

Out: 47.175+/-0.012 χ^2/NDF:681949.9/20

All: 46.084+/-0.008 χ^2/NDF: 1633515.1/38

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.038 χ^2/NDF:0.2/1

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.032 χ^2/NDF:8.6/1

Left: -0.018+/-0.024 χ^2/NDF: 9.1/3

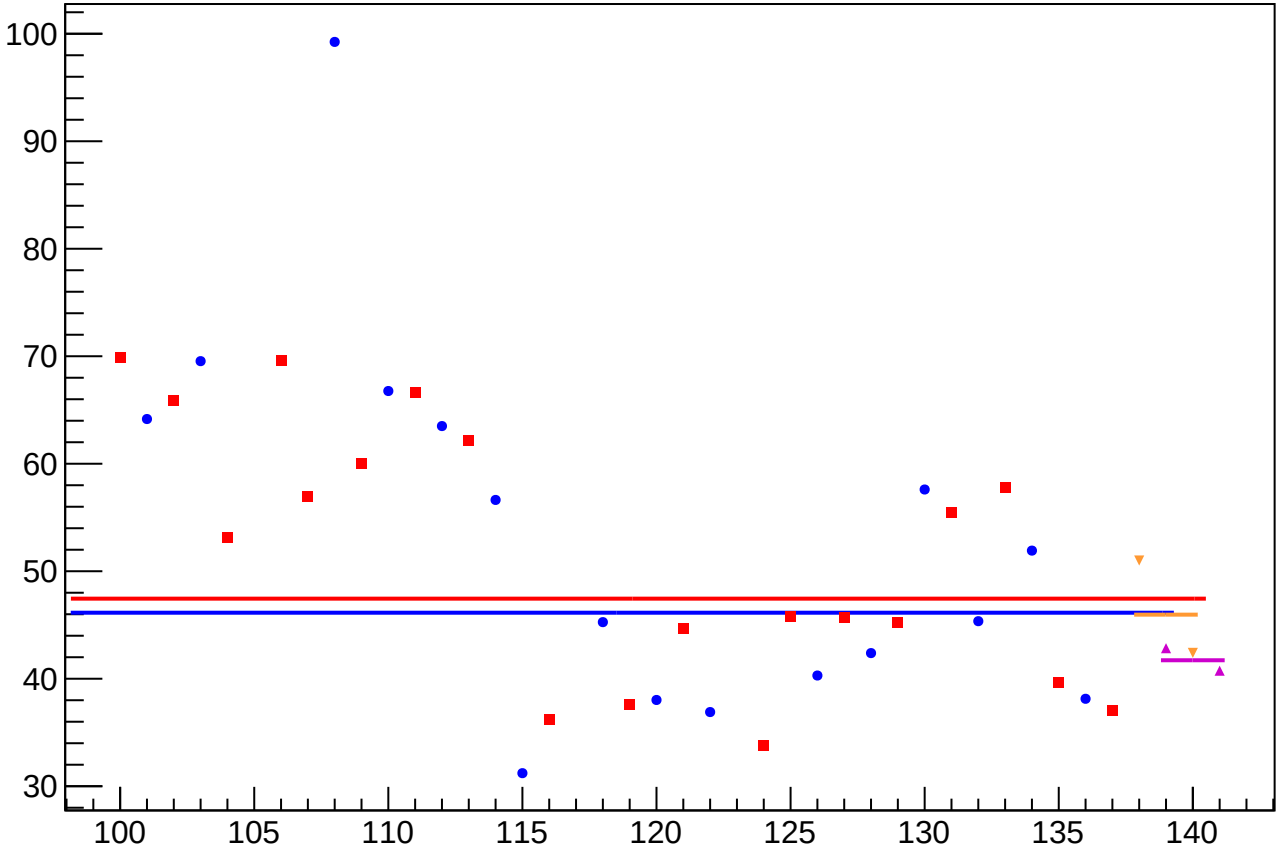
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.009+/-0.016 χ^2/NDF:22.8/17

Out: -0.009+/-0.016 χ^2/NDF:14.6/20

All: -0.009+/-0.011 χ^2/NDF: 37.4/38

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 45.961+/-0.027 χ^2/NDF:24758.0/1

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 41.718+/-0.023 χ^2/NDF:2124.6/1

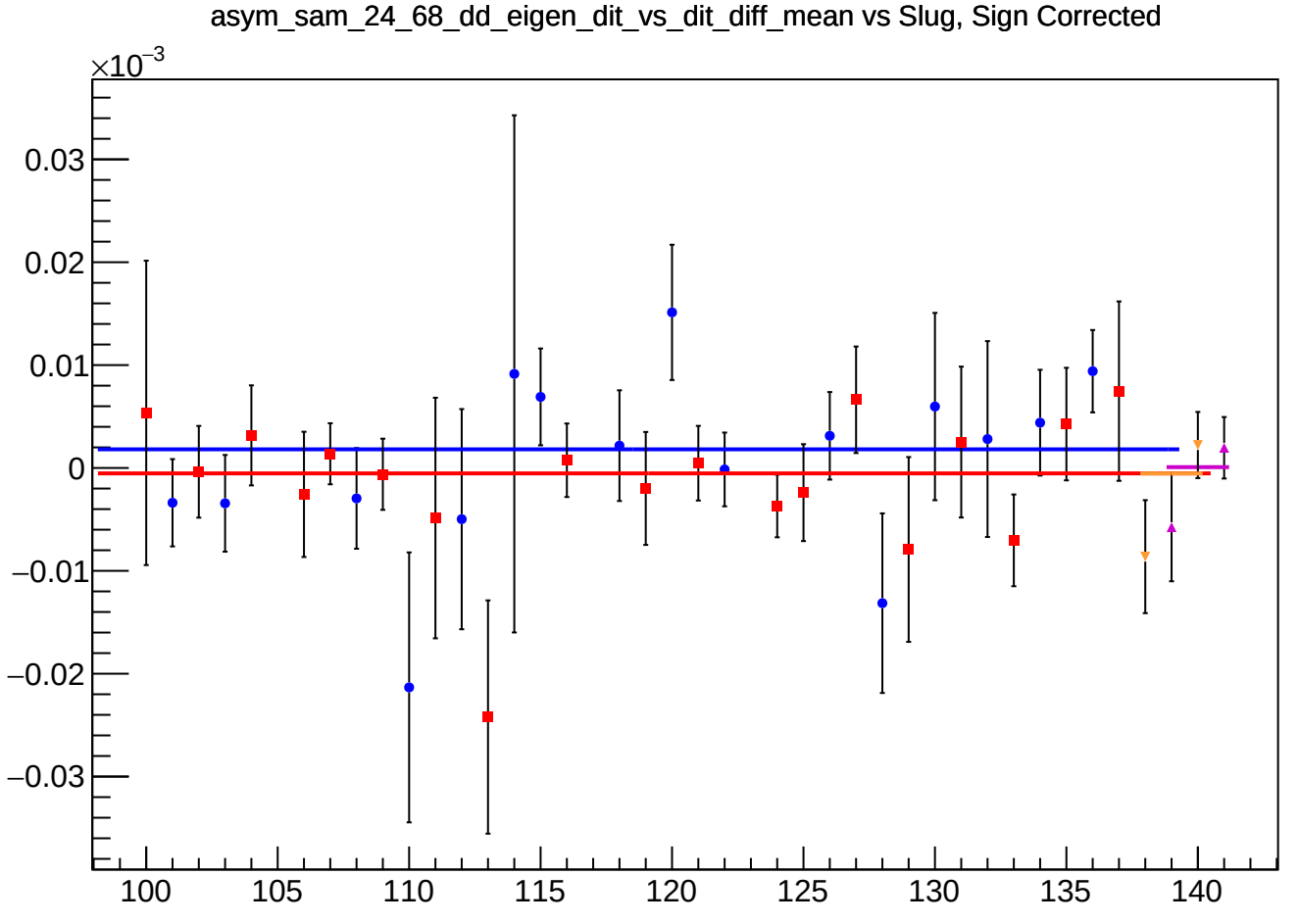
Left: 43.477+/-0.017 χ^2/NDF: 41454.9/3

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 45.079+/-0.011 χ^2/NDF:934435.4/17

Out: 47.175+/-0.012 χ^2/NDF:681949.9/20

All: 46.084+/-0.008 χ^2/NDF: 1633515.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/1

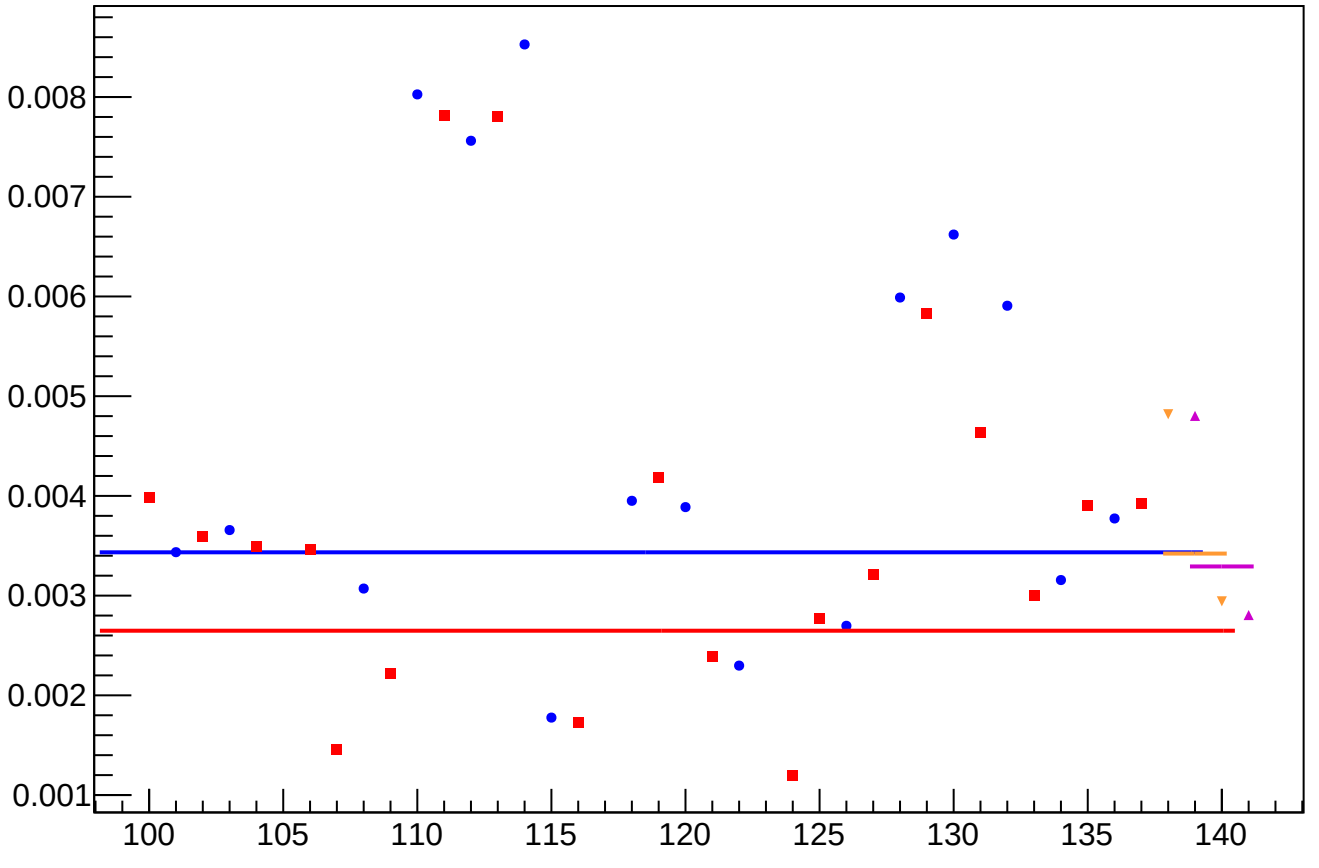
Left: -0.000+/-0.000 χ^2/NDF: 4.6/3

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:21.9/17

Out: -0.000+/-0.000 χ^2/NDF:16.7/20

All: 0.000+/-0.000 χ^2/NDF: 40.2/38



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:173789.7/1

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:217959.7/1

Left: 0.003+/-0.000 χ^2/NDF: 394054.4/3

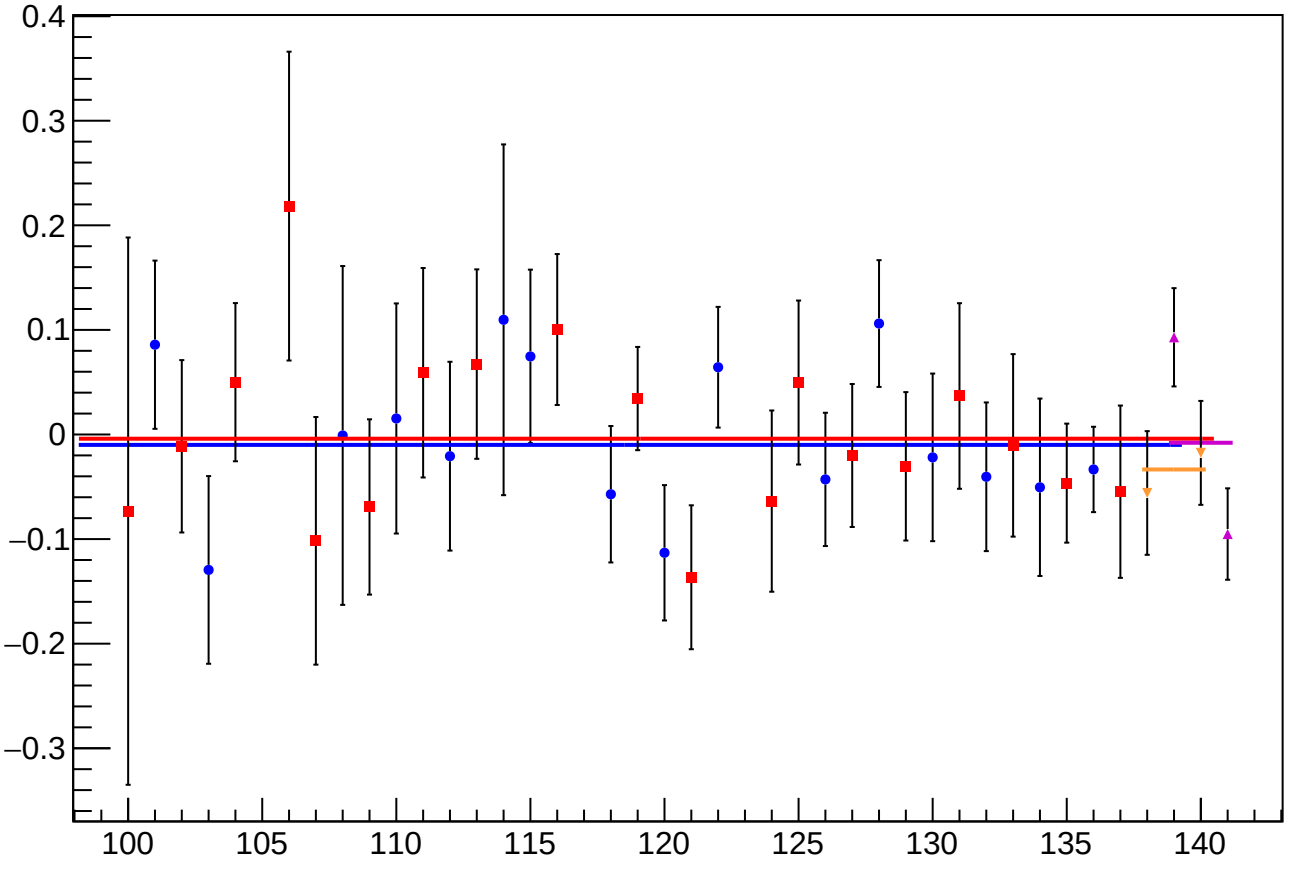
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:1971178.4/17

Out: 0.003+/-0.000 χ^2/NDF:3005288.9/20

All: 0.003+/-0.000 χ^2/NDF: 5316325.3/38

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.038 χ^2/NDF:0.2/1

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.032 χ^2/NDF:8.6/1

Left: -0.018+/-0.024 χ^2/NDF: 9.1/3

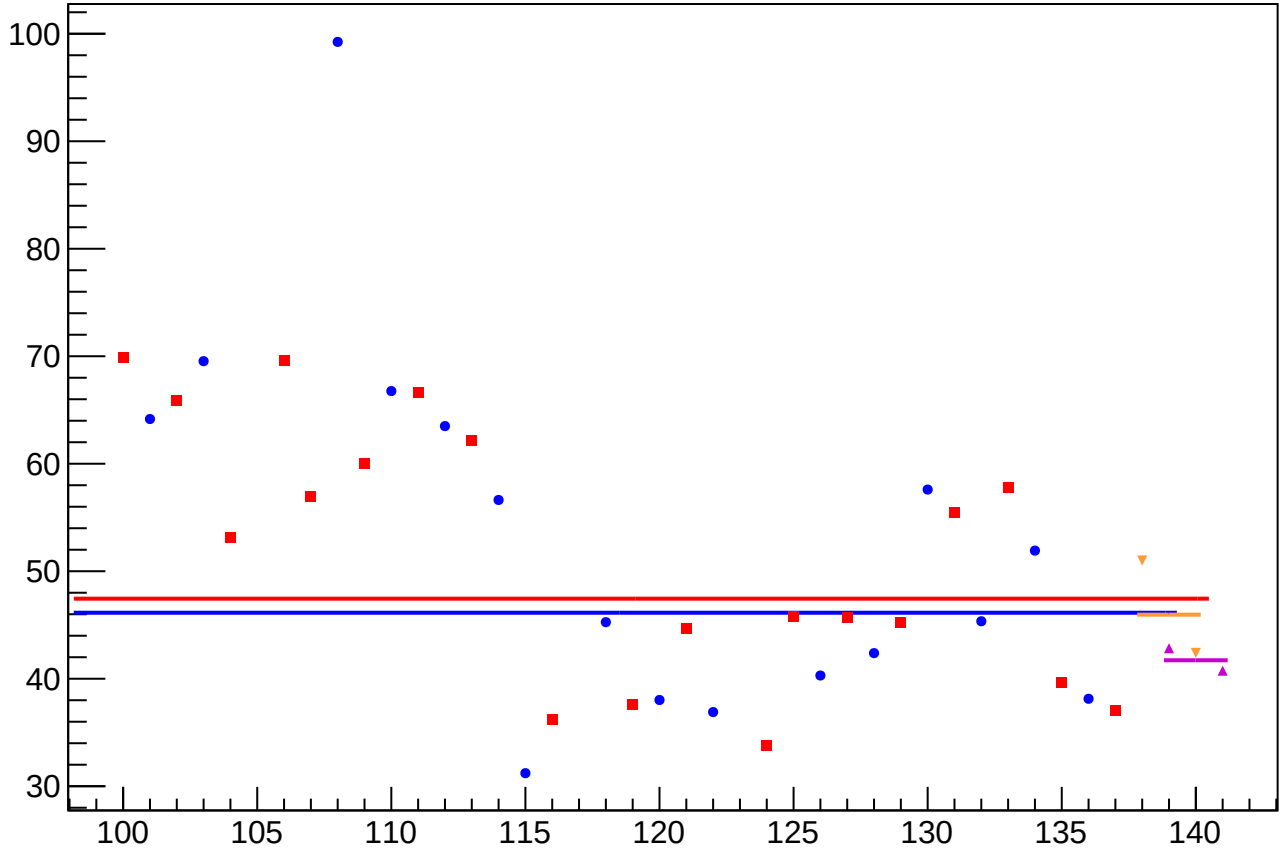
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.009+/-0.016 χ^2/NDF:22.8/17

Out: -0.009+/-0.016 χ^2/NDF:14.6/20

All: -0.009+/-0.011 χ^2/NDF: 37.4/38

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 45.961+/-0.027 χ^2/NDF:24748.1/1

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 41.718+/-0.023 χ^2/NDF:2122.4/1

Left: 43.477+/-0.017 χ^2/NDF: 41444.9/3

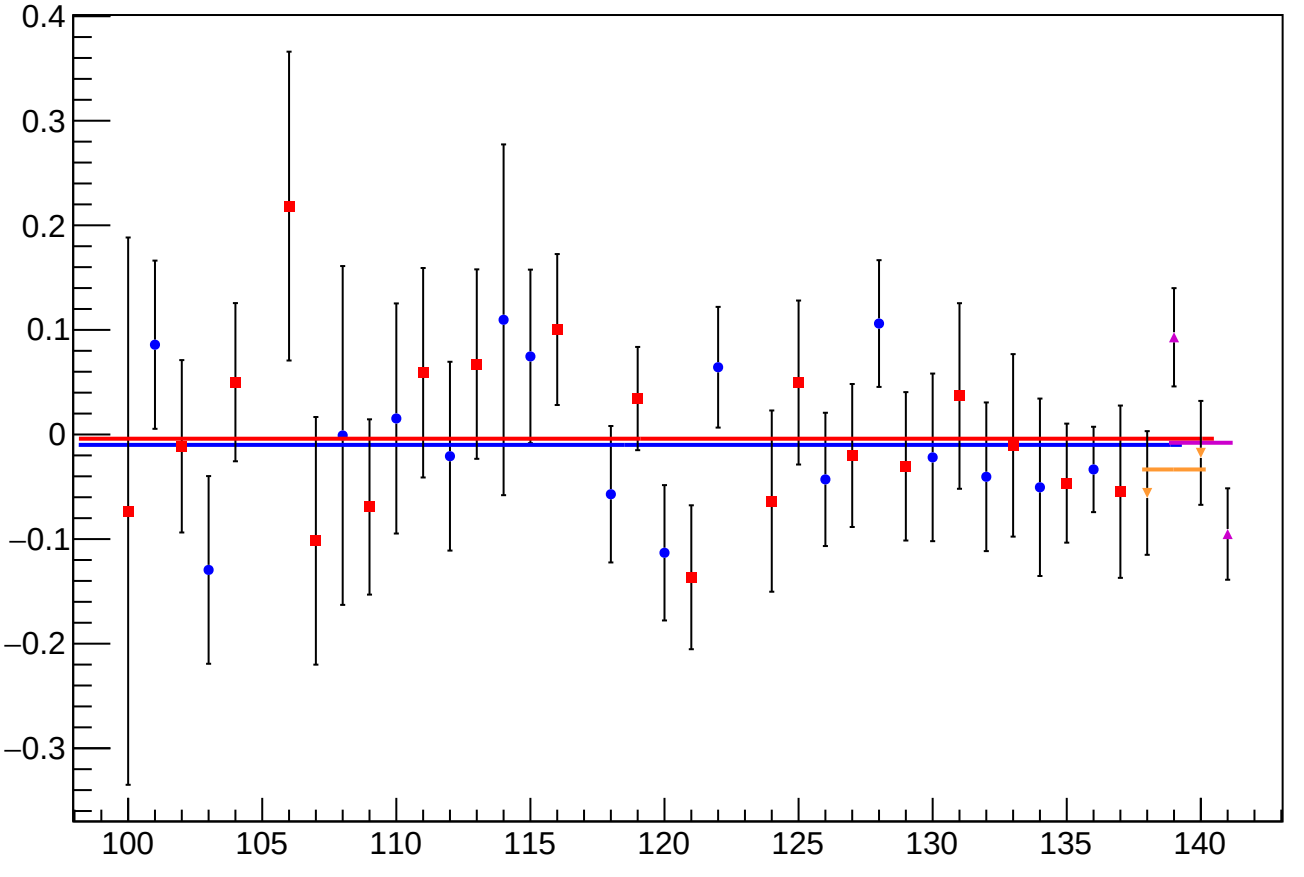
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 45.078+/-0.011 χ^2/NDF:934388.0/17

Out: 47.174+/-0.012 χ^2/NDF:681930.2/20

All: 46.083+/-0.008 χ^2/NDF: 1633452.9/38

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.038 χ^2/NDF:0.2/1

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.032 χ^2/NDF:8.6/1

Left: -0.018+/-0.024 χ^2/NDF: 9.1/3

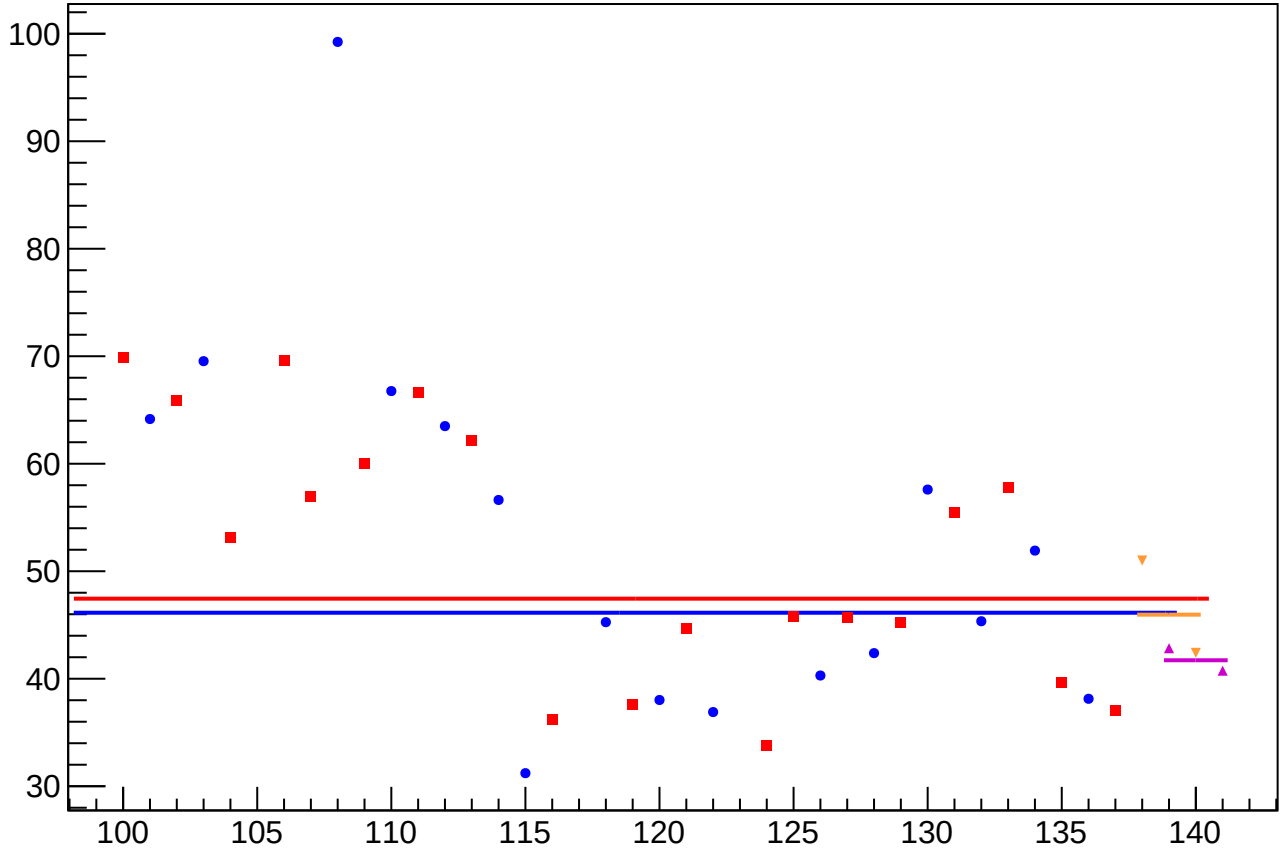
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.009+/-0.016 χ^2/NDF:22.8/17

Out: -0.009+/-0.016 χ^2/NDF:14.6/20

All: -0.009+/-0.011 χ^2/NDF: 37.4/38

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 45.961+/-0.027 χ^2/NDF:24748.1/1

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 41.718+/-0.023 χ^2/NDF:2122.4/1

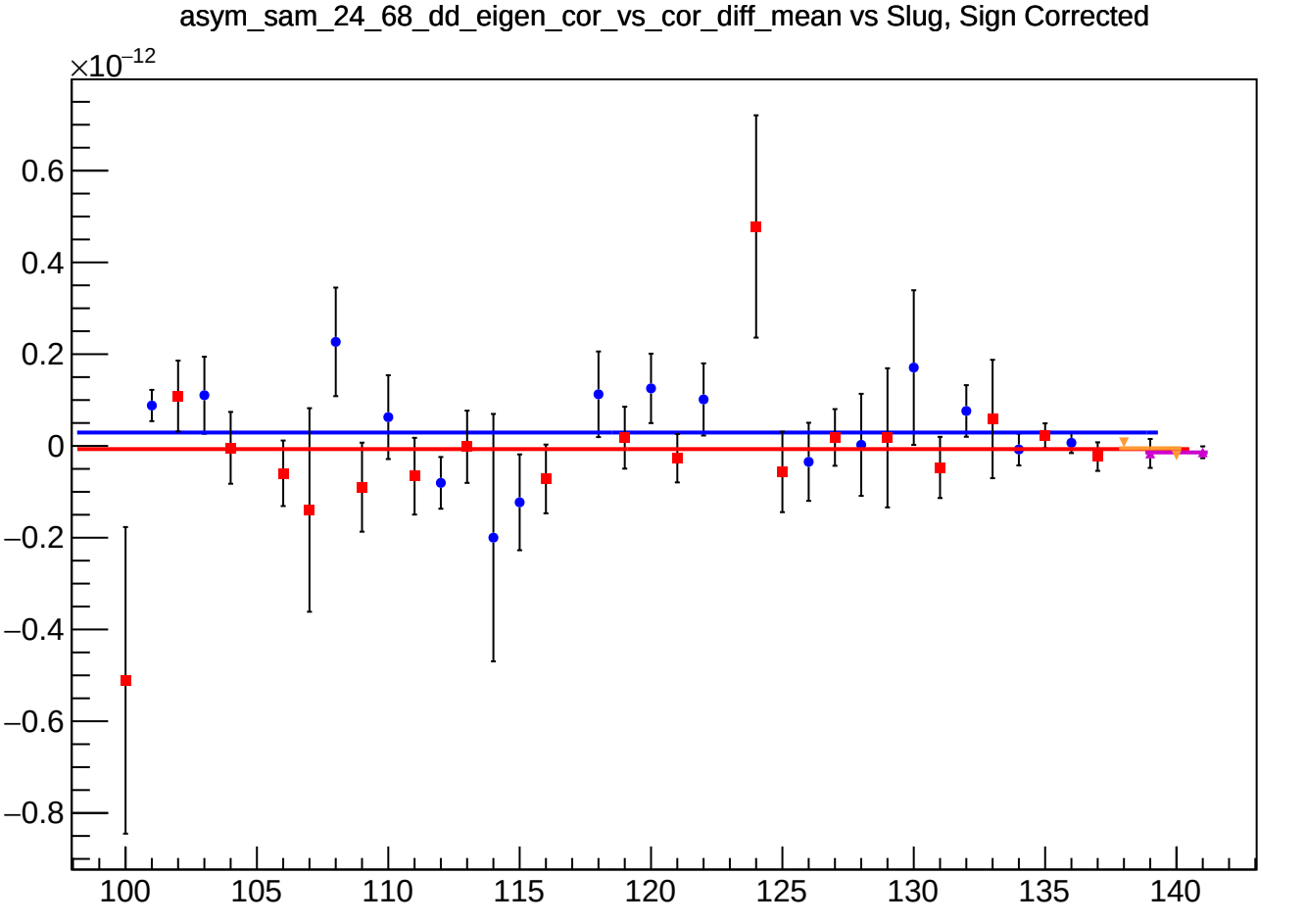
Left: 43.477+/-0.017 χ^2/NDF: 41444.9/3

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 45.078+/-0.011 χ^2/NDF:934388.0/17

Out: 47.174+/-0.012 χ^2/NDF:681930.2/20

All: 46.083+/-0.008 χ^2/NDF: 1633452.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

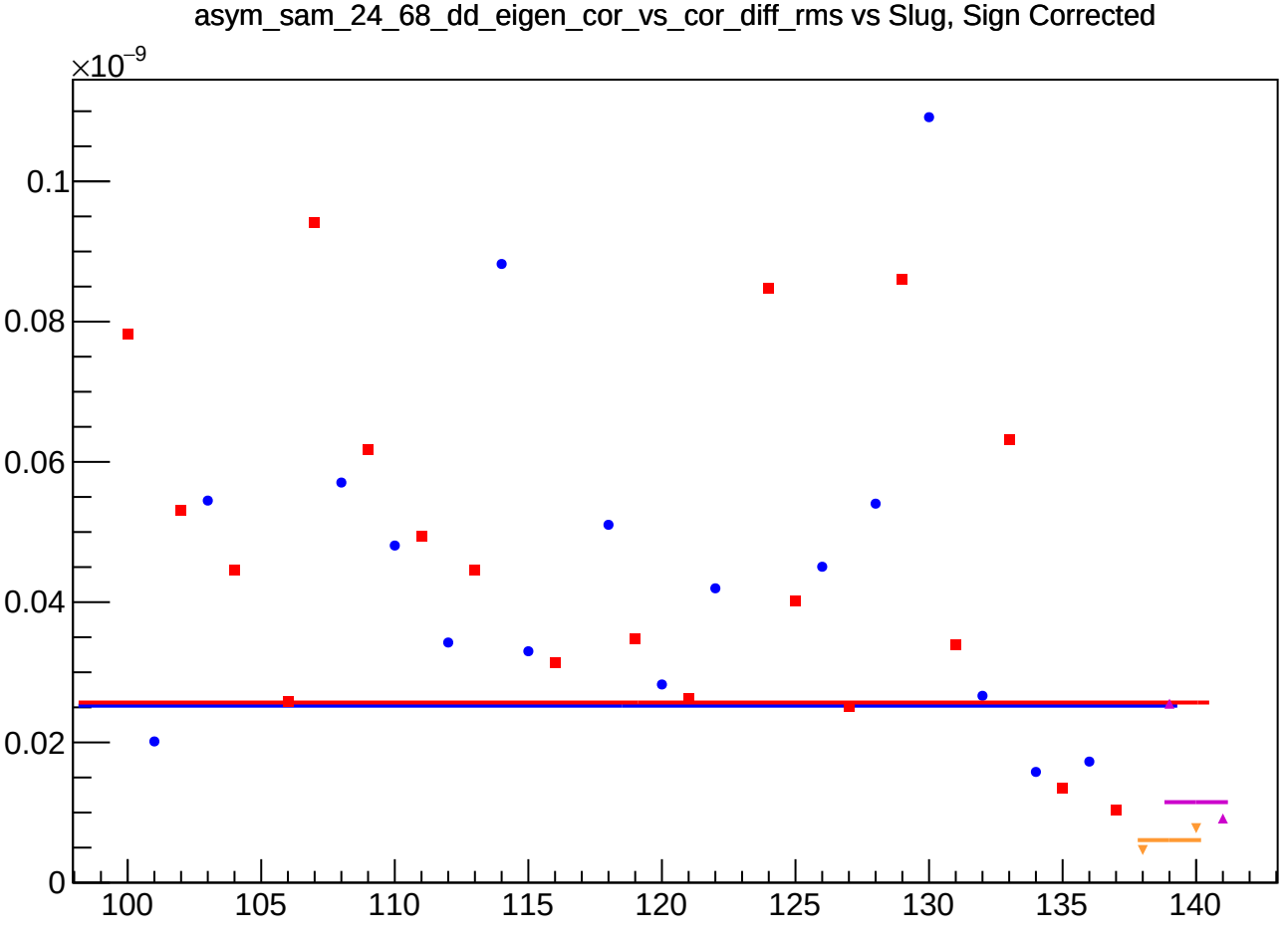
Left: -0.000+/-0.000 χ^2/NDF: 4.3/3

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: 0.000+/-0.000 χ^2/NDF:26.7/17

Out: -0.000+/-0.000 χ^2/NDF:18.1/20

All: -0.000+/-0.000 χ^2/NDF: 45.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:94285.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:461482.5/1

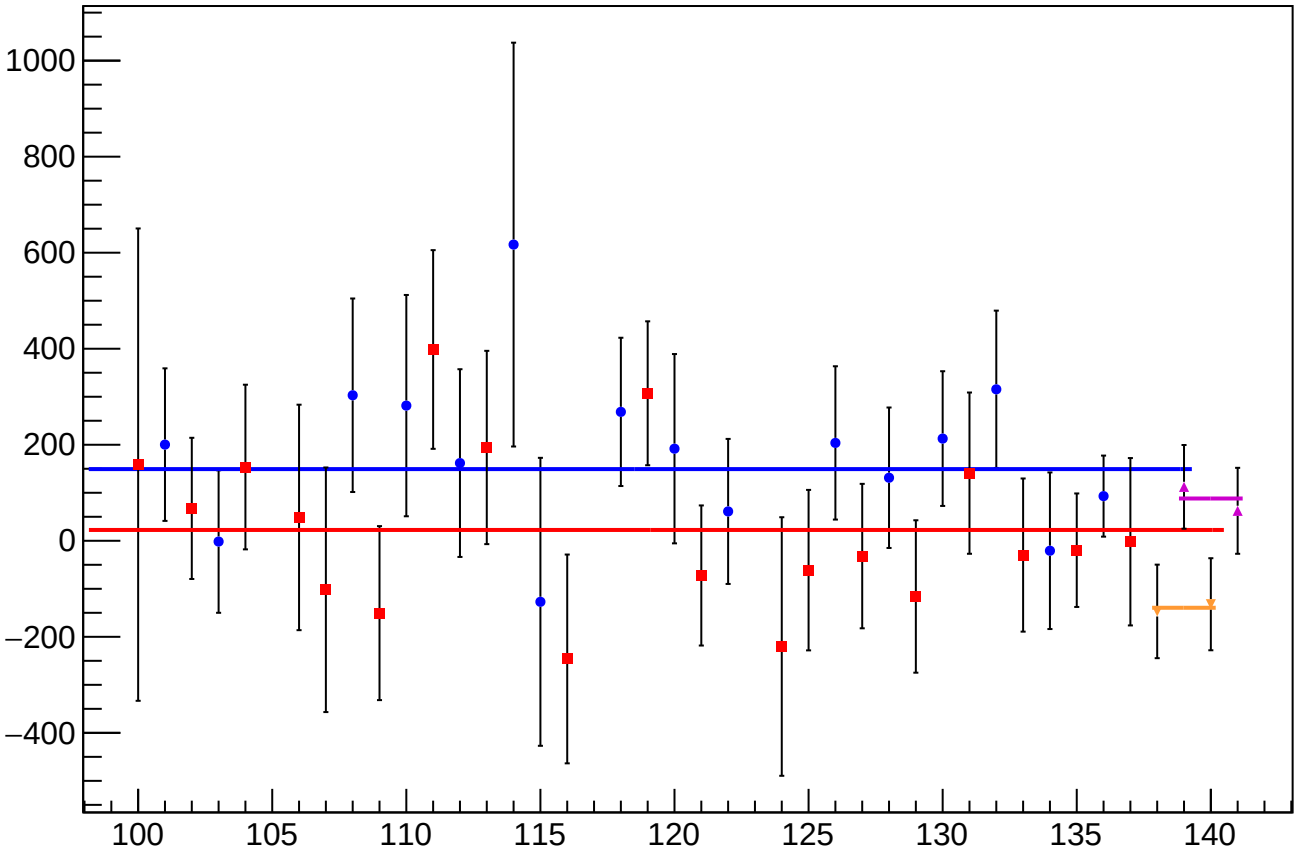
Left: 0.000+/-0.000 χ^2/NDF: 859278.6/3

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:3746018.2/17

Out: 0.000+/-0.000 χ^2/NDF:5880944.6/20

All: 0.000+/-0.000 χ^2/NDF: 10561356.5/38



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -139.502+/-68.325 χ^2/NDF:0.0/1

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 88.060+/-62.441 χ^2/NDF:0.2/1

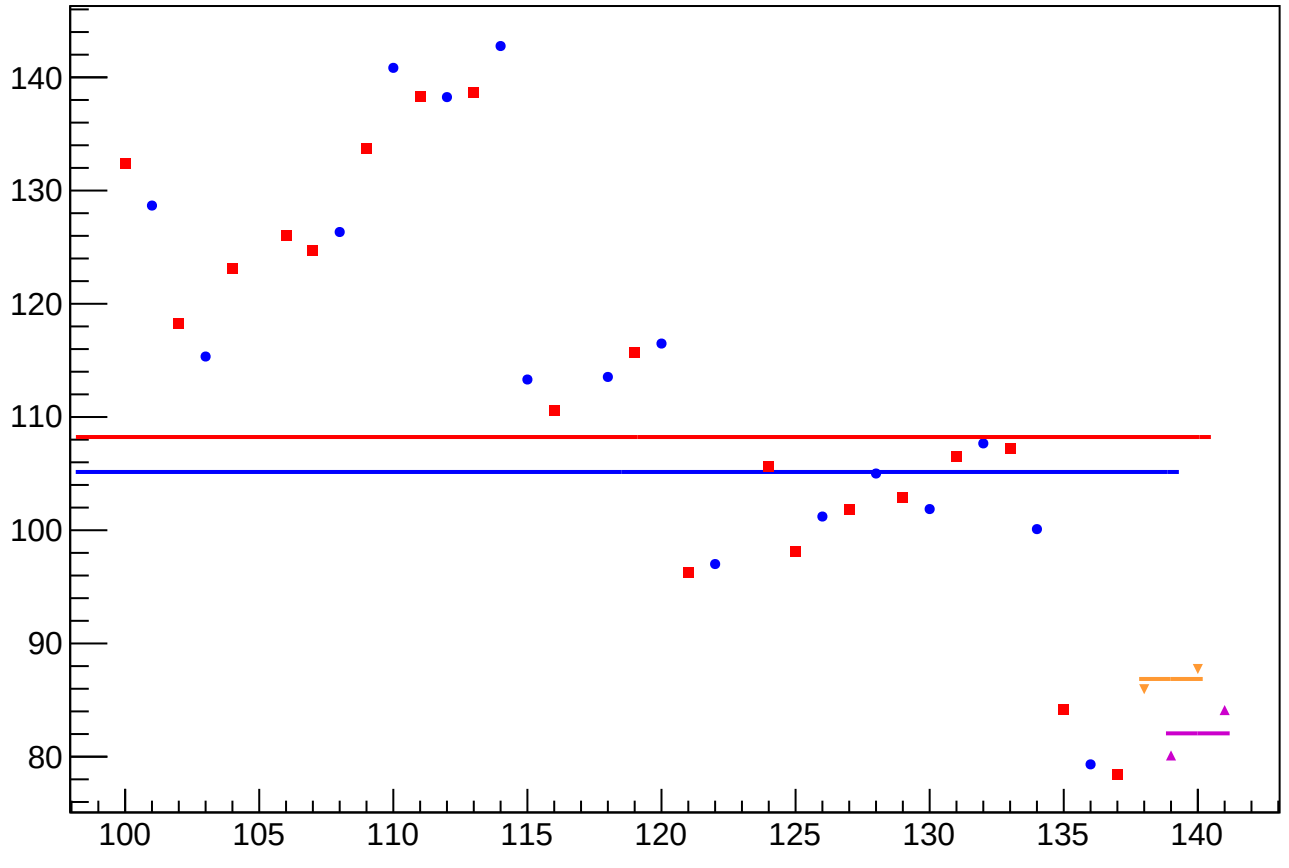
Left: -15.502+/-46.092 χ^2/NDF: 6.2/3

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 131.681+/-33.494 χ^2/NDF:8.9/17

Out: -18.970+/-34.584 χ^2/NDF:18.4/20

All: 58.767+/-24.060 χ^2/NDF: 37.1/38



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.865+/-0.048 χ^2/NDF:341.1/1

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 82.061+/-0.044 χ^2/NDF:2058.5/1

Left: 84.247+/-0.033 χ^2/NDF: 7787.5/3

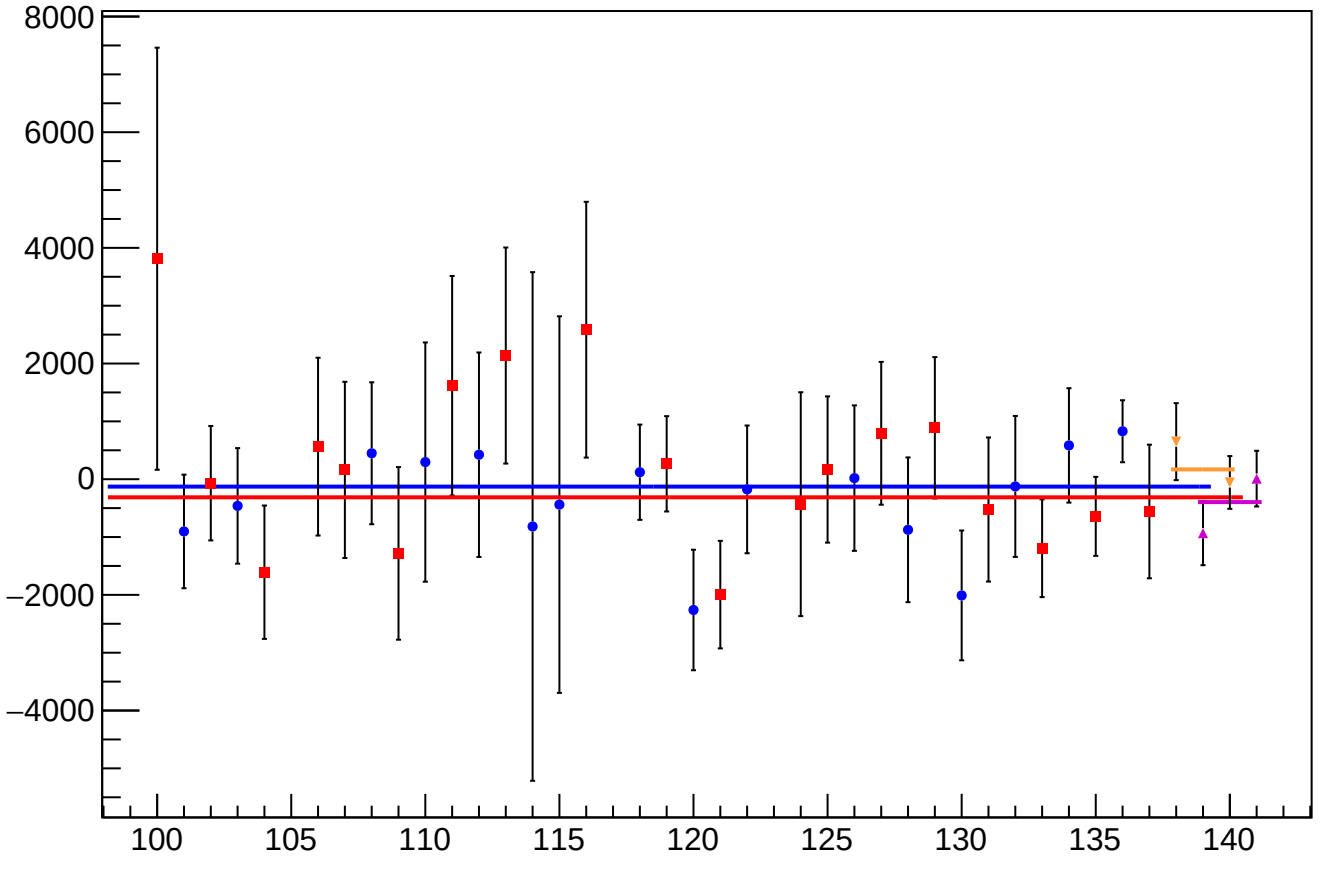
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 98.504+/-0.024 χ^2/NDF:605188.2/17

Out: 102.758+/-0.024 χ^2/NDF:495774.8/20

All: 100.563+/-0.017 χ^2/NDF: 1116581.8/38

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 169.230+/-376.223 χ^2/NDF:0.8/1

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -395.803+/-363.642 χ^2/NDF:1.6/1

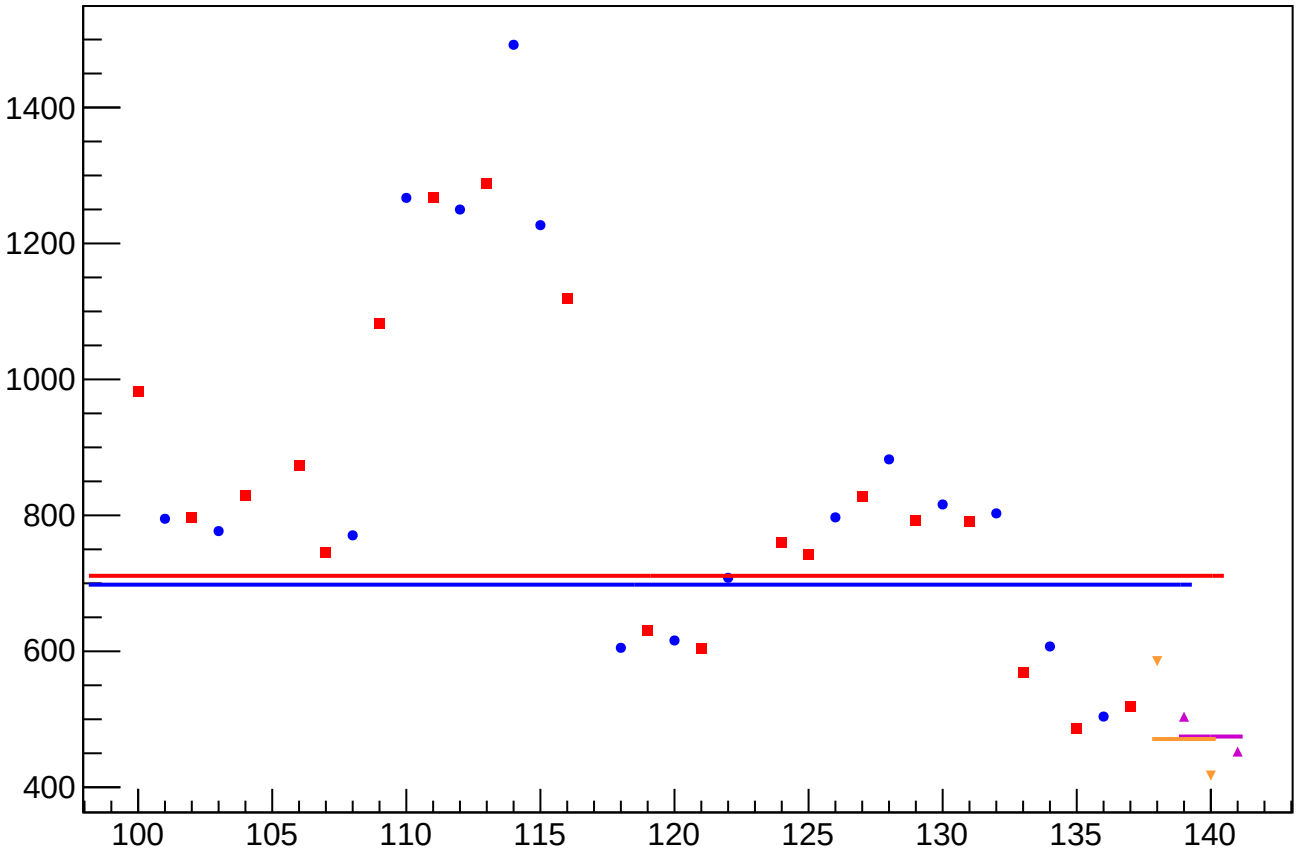
Left: -122.892+/-261.468 χ^2/NDF: 3.6/3

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -222.575+/-216.058 χ^2/NDF:14.3/17

Out: -148.982+/-219.428 χ^2/NDF:16.8/20

All: -186.348+/-153.954 χ^2/NDF: 31.2/38



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 470.960+/-0.266 χ^2/NDF:87036.1/1

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 474.623+/-0.257 χ^2/NDF:9742.9/1

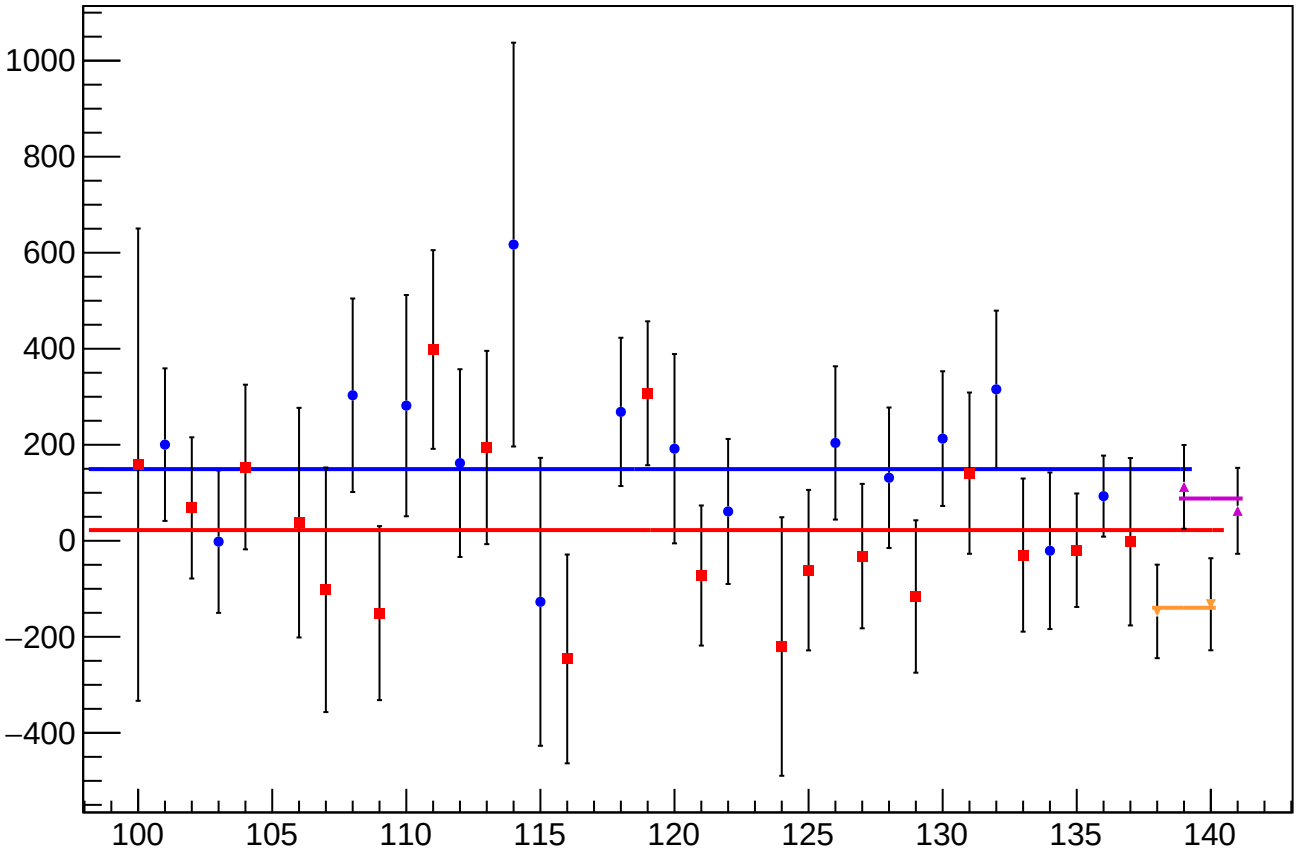
Left: 472.854+/-0.185 χ^2/NDF: 96877.0/3

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 619.180+/-0.153 χ^2/NDF:1411094.1/17

Out: 629.404+/-0.155 χ^2/NDF:1659754.1/20

All: 624.213+/-0.109 χ^2/NDF: 3073053.0/38



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -139.511+/-68.325 χ^2/NDF:0.0/1

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 88.063+/-62.441 χ^2/NDF:0.2/1

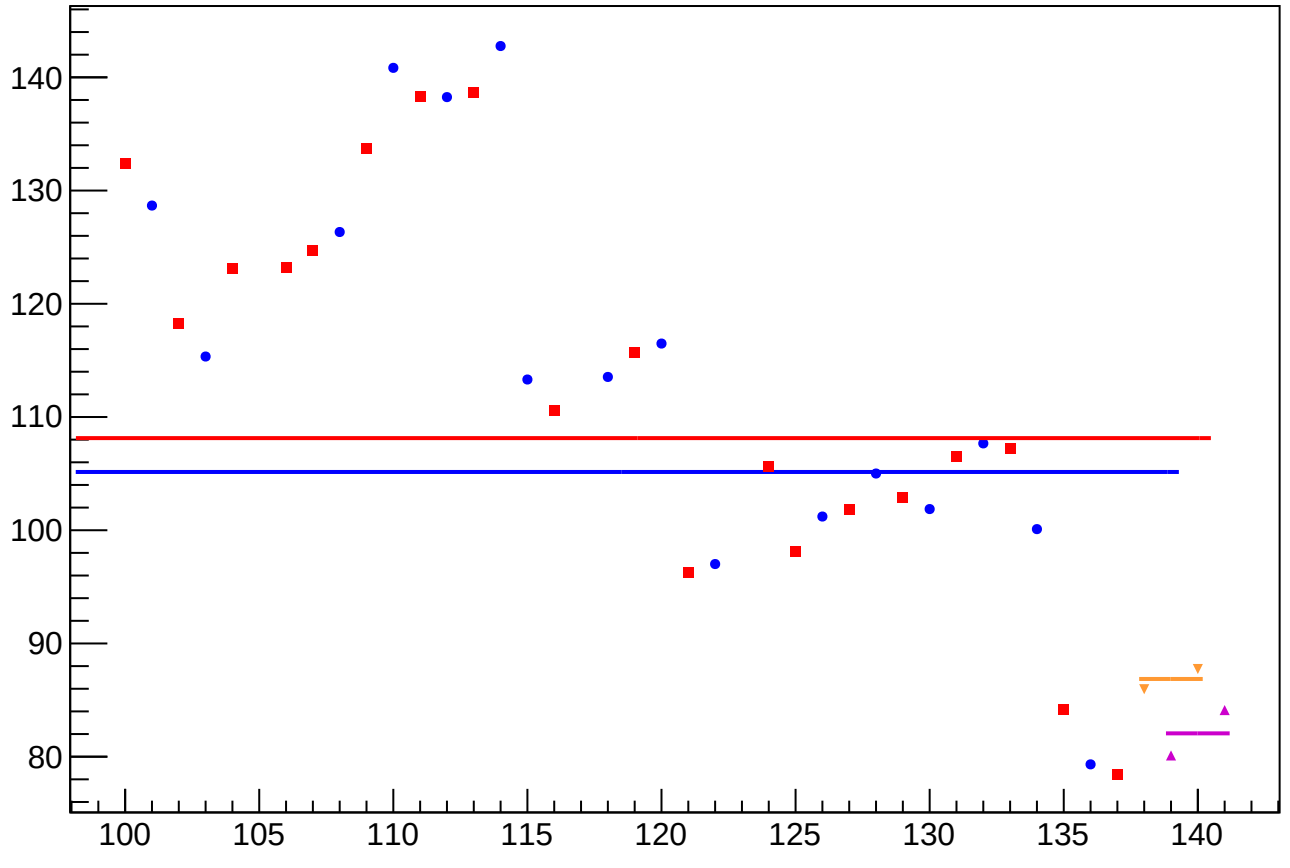
Left: -15.504+/-46.092 χ^2/NDF: 6.2/3

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 131.675+/-33.494 χ^2/NDF:8.9/17

Out: -19.194+/-34.598 χ^2/NDF:18.4/20

All: 58.686+/-24.065 χ^2/NDF: 37.1/38



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.865+/-0.048 χ^2/NDF:341.1/1

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 82.061+/-0.044 χ^2/NDF:2058.5/1

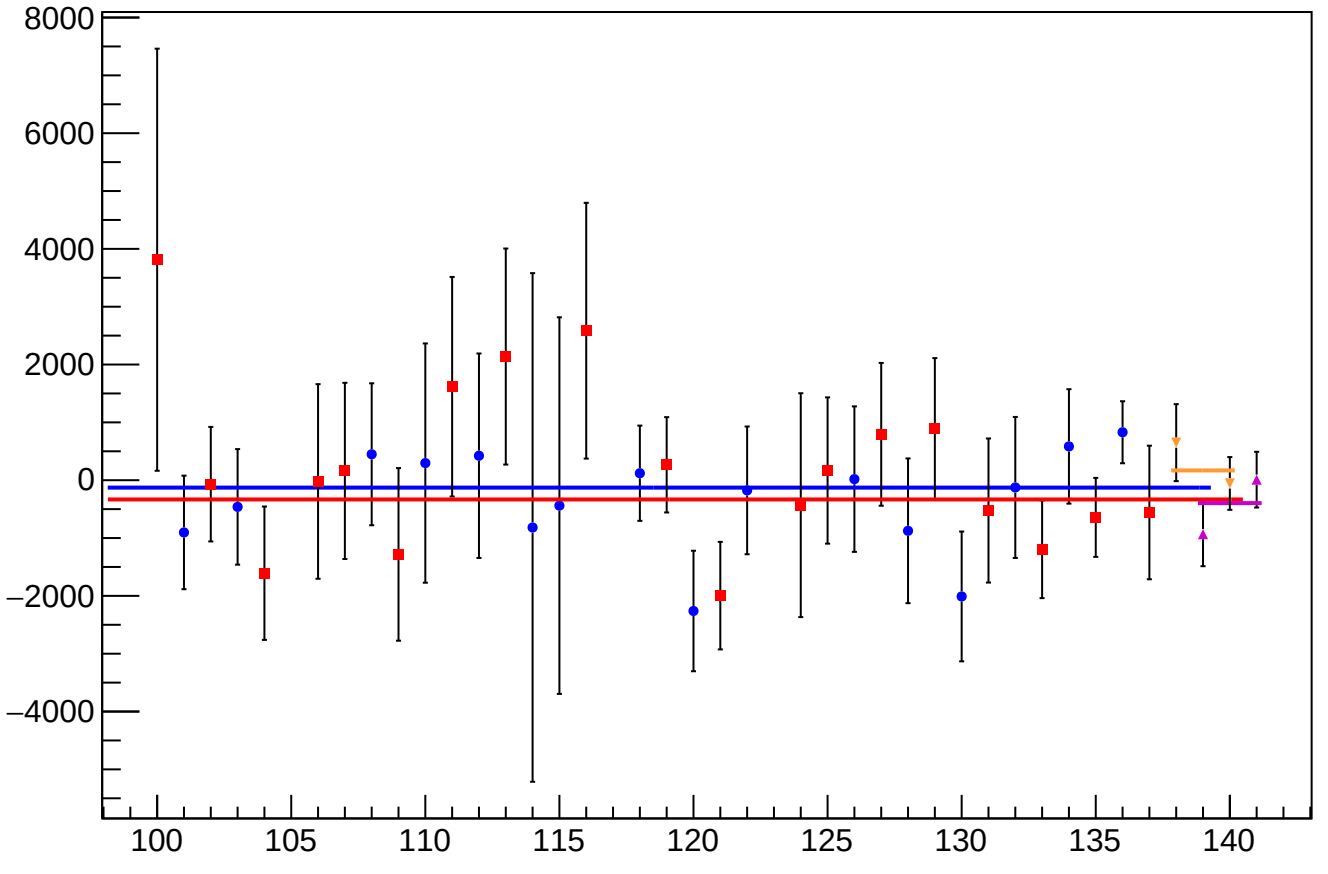
Left: 84.247+/-0.033 χ^2/NDF: 7787.5/3

Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 98.504+/-0.024 χ^2/NDF:605188.4/17

Out: 102.682+/-0.024 χ^2/NDF:490810.2/20

All: 100.525+/-0.017 χ^2/NDF: 1111056.8/38



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 169.216+/-376.223 χ^2/NDF:0.8/1

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -395.806+/-363.642 χ^2/NDF:1.6/1

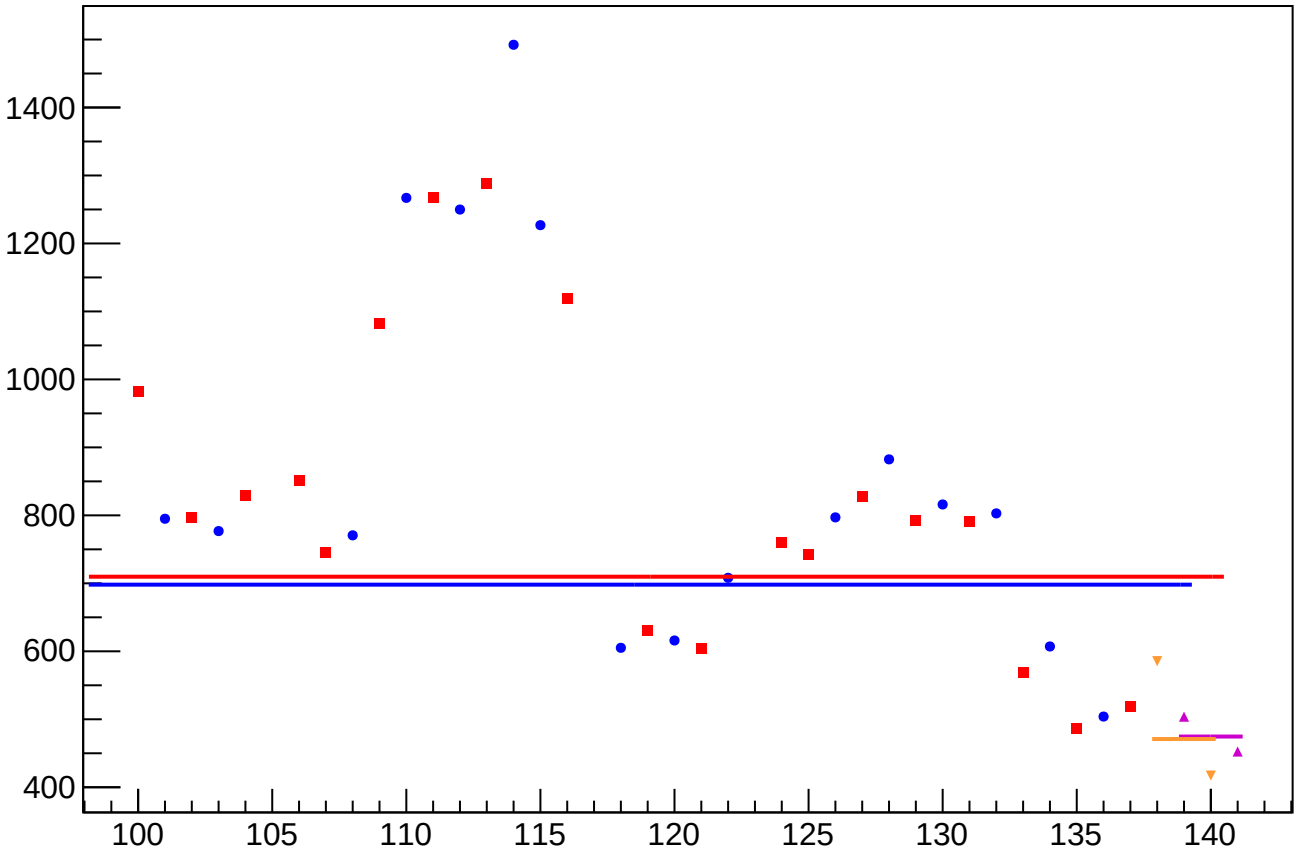
Left: -122.900+/-261.468 χ^2/NDF: 3.6/3

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -222.570+/-216.058 χ^2/NDF:14.3/17

Out: -161.354+/-219.805 χ^2/NDF:16.6/20

All: -192.488+/-154.084 χ^2/NDF: 31.0/38



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 470.960+/-0.266 χ^2/NDF:87035.9/1

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 474.624+/-0.257 χ^2/NDF:9742.6/1

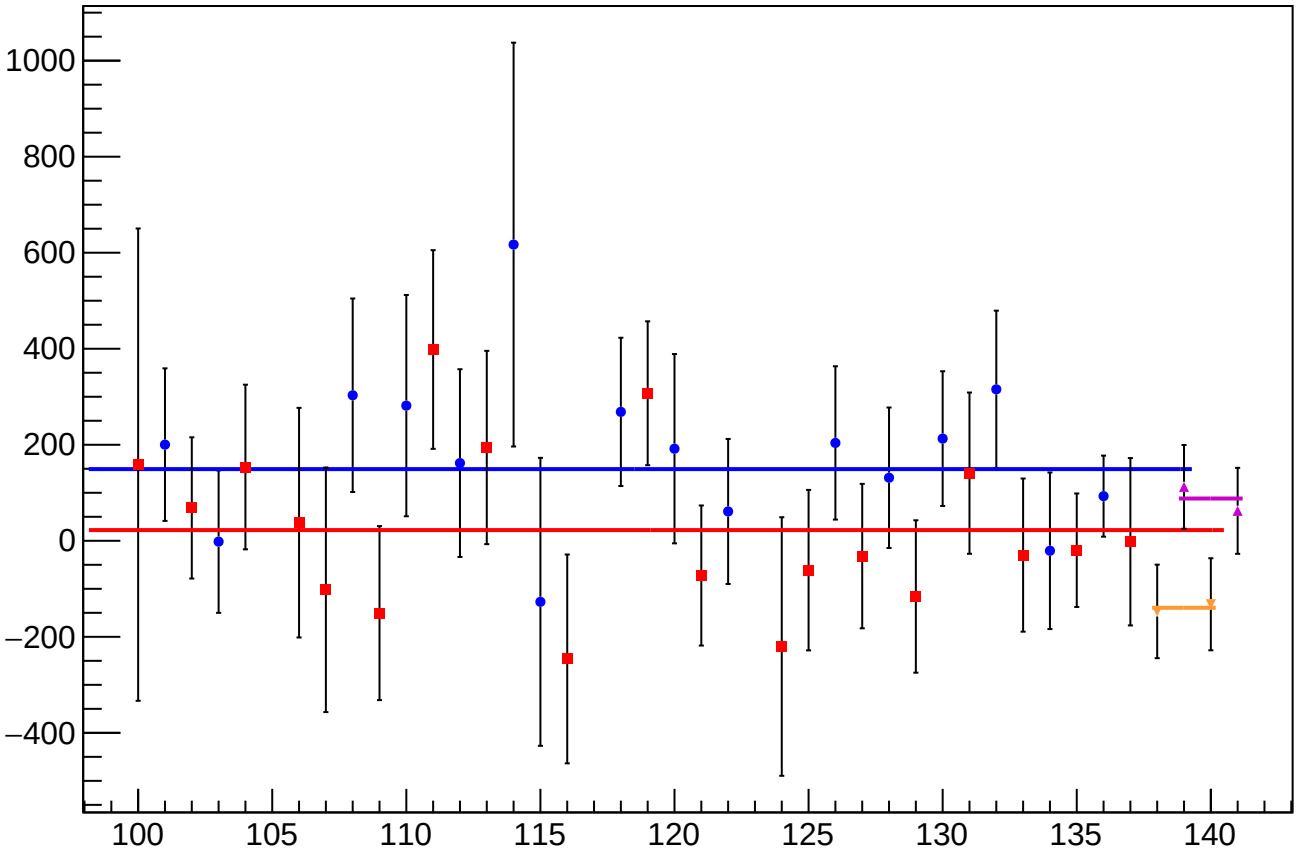
Left: 472.854+/-0.185 χ^2/NDF: 96876.5/3

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 619.180+/-0.153 χ^2/NDF:1411104.5/17

Out: 628.241+/-0.155 χ^2/NDF:1644827.1/20

All: 623.633+/-0.109 χ^2/NDF: 3057660.1/38



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -139.511+/-68.325 χ^2/NDF:0.0/1

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 88.063+/-62.441 χ^2/NDF:0.2/1

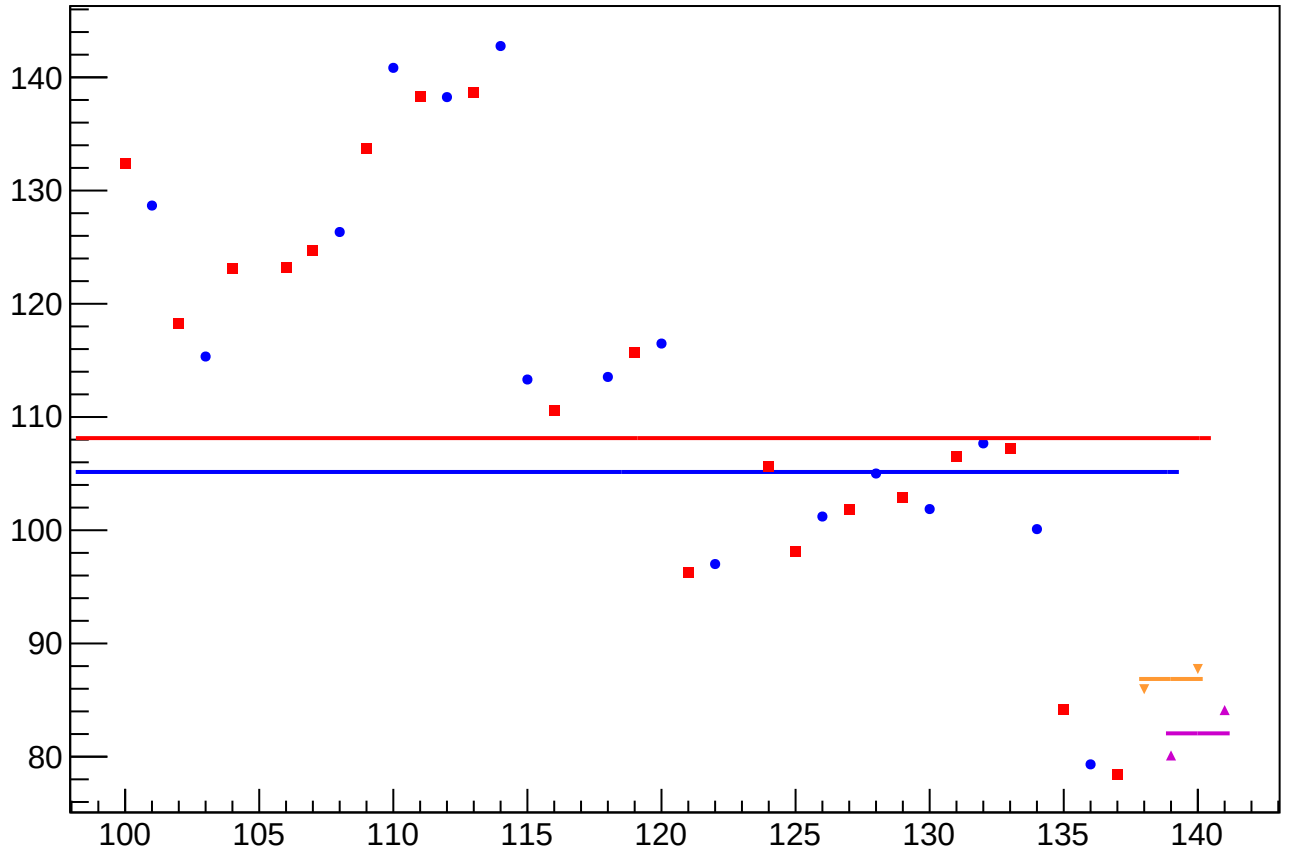
Left: -15.504+/-46.092 χ^2/NDF: 6.2/3

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 131.675+/-33.494 χ^2/NDF:8.9/17

Out: -19.194+/-34.598 χ^2/NDF:18.4/20

All: 58.686+/-24.065 χ^2/NDF: 37.1/38



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.865+/-0.048 χ^2/NDF:341.1/1

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 82.061+/-0.044 χ^2/NDF:2058.5/1

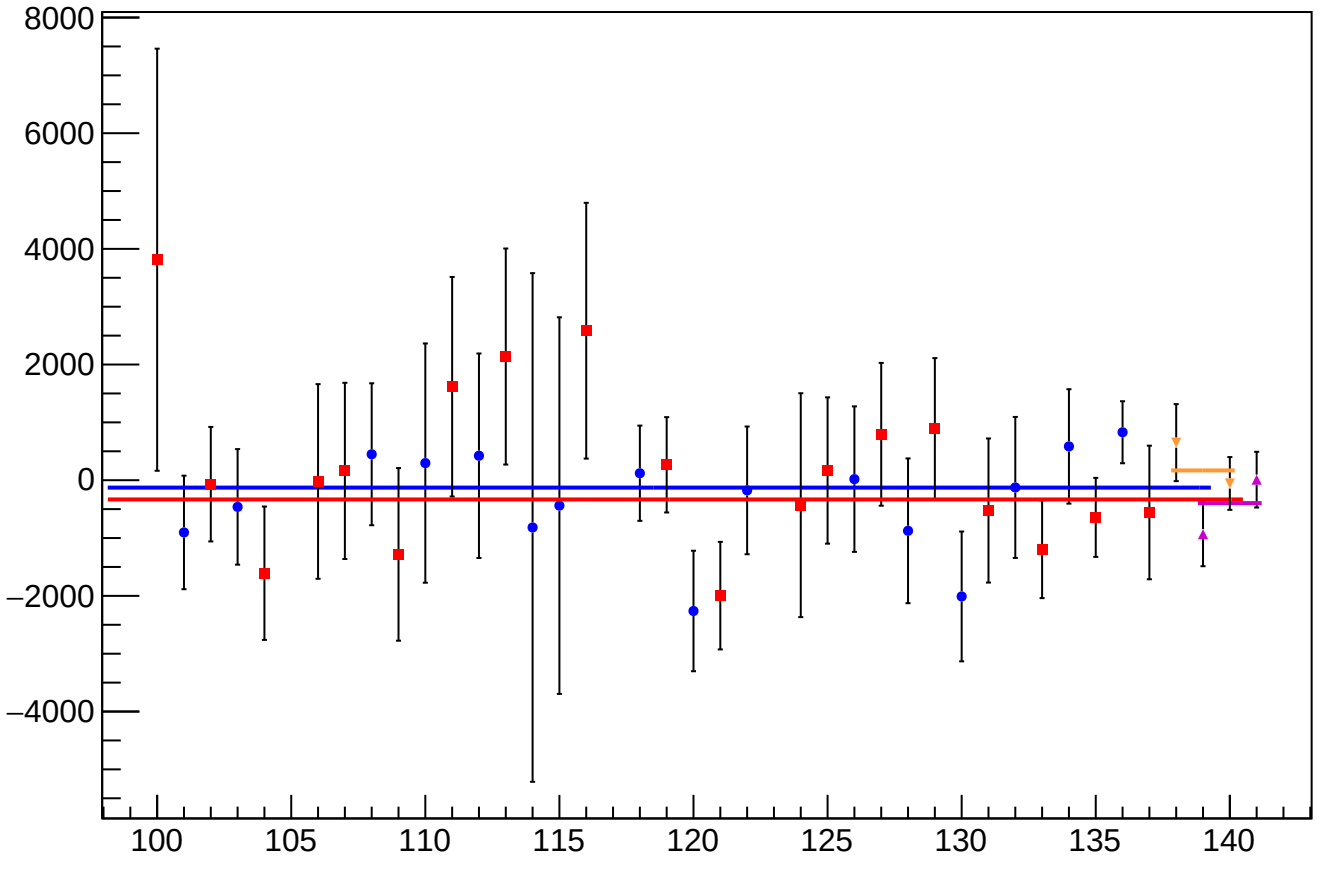
Left: 84.247+/-0.033 χ^2/NDF: 7787.5/3

Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 98.504+/-0.024 χ^2/NDF:605188.4/17

Out: 102.682+/-0.024 χ^2/NDF:490810.2/20

All: 100.525+/-0.017 χ^2/NDF: 1111056.8/38



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 169.216+/-376.223 χ^2/NDF:0.8/1

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -395.806+/-363.642 χ^2/NDF:1.6/1

Left: -122.900+/-261.468 χ^2/NDF: 3.6/3

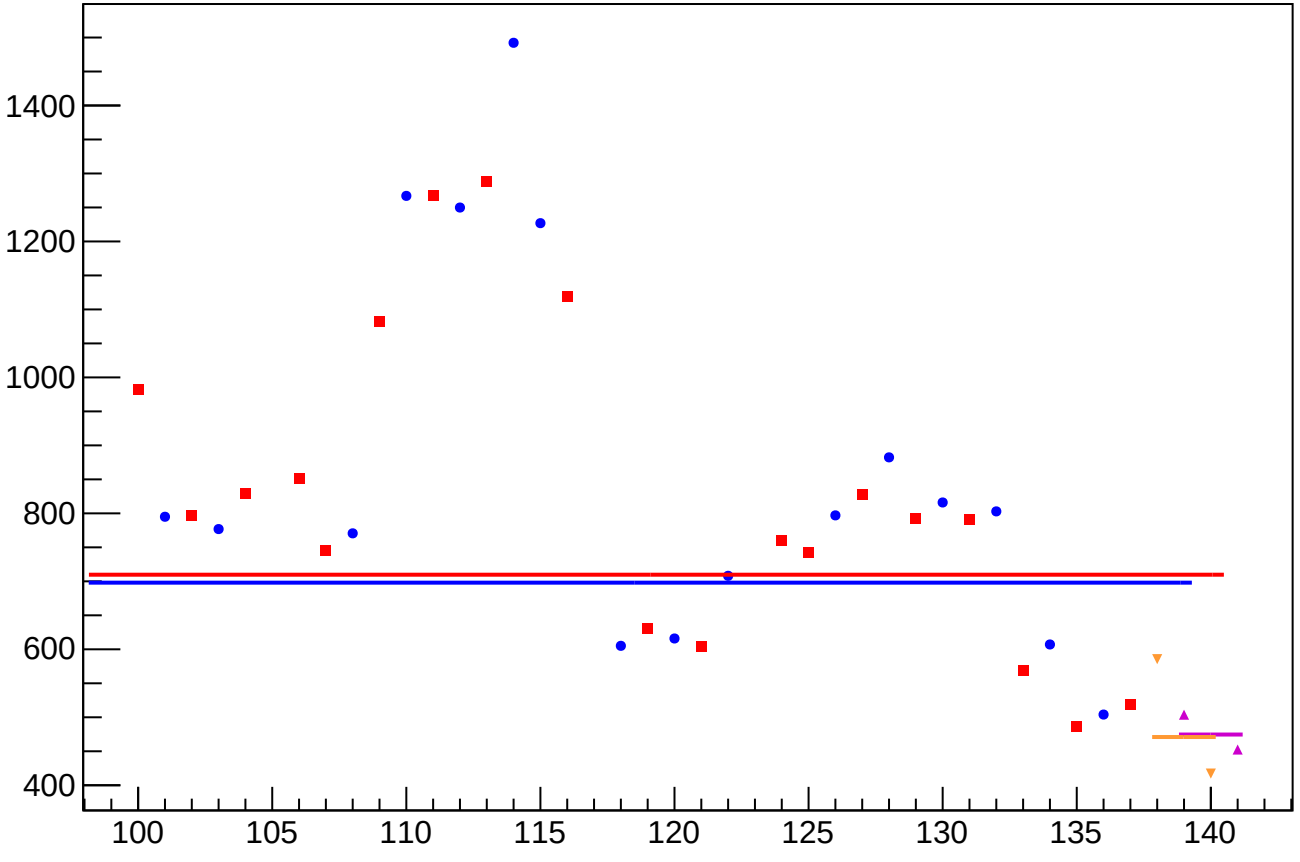
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -222.570+/-216.058 χ^2/NDF:14.3/17

Out: -161.354+/-219.805 χ^2/NDF:16.6/20

All: -192.488+/-154.084 χ^2/NDF: 31.0/38

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 470.960+/-0.266 χ^2/NDF:87035.9/1

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 474.624+/-0.257 χ^2/NDF:9742.6/1

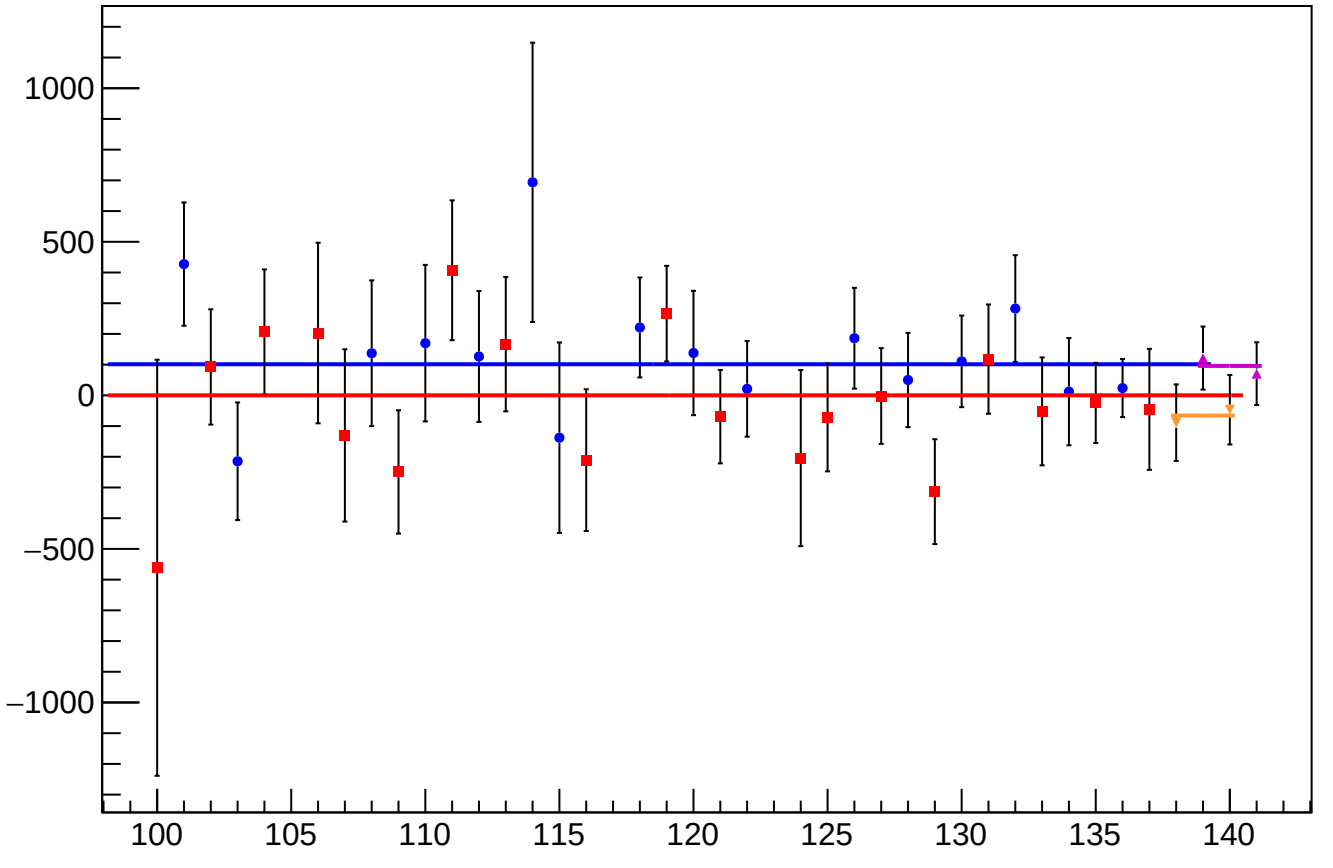
Left: 472.854+/-0.185 χ^2/NDF: 96876.5/3

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 619.180+/-0.153 χ^2/NDF:1411104.5/17

Out: 628.241+/-0.155 χ^2/NDF:1644827.1/20

All: 623.633+/-0.109 χ^2/NDF: 3057660.1/38



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -65.789+/-83.784 χ^2/NDF:0.1/1

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 95.898+/-72.449 χ^2/NDF:0.1/1

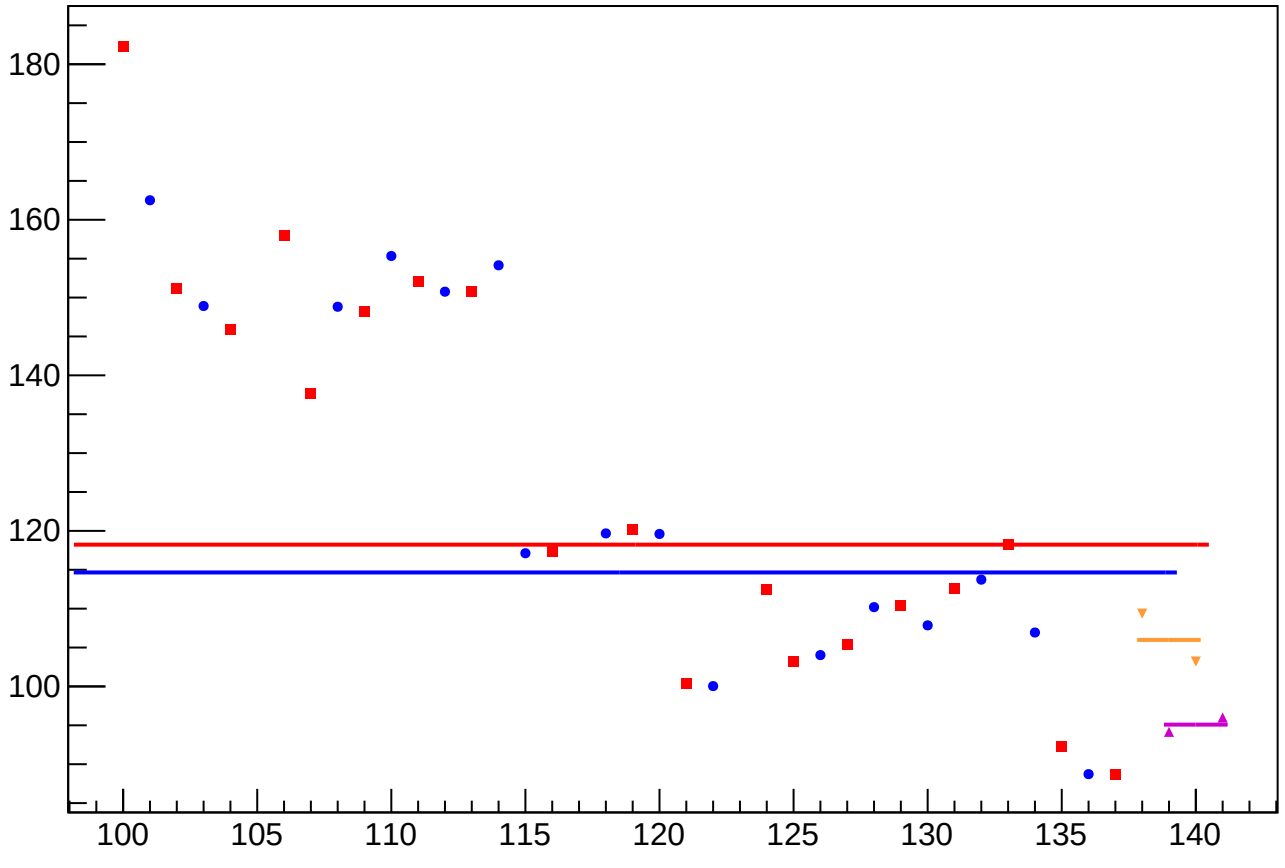
Left: 26.724+/-54.802 χ^2/NDF: 2.3/3

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 99.854+/-37.300 χ^2/NDF:11.1/17

Out: -14.142+/-38.979 χ^2/NDF:17.2/20

All: 45.364+/-26.949 χ^2/NDF: 32.8/38



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 105.980+/-0.059 χ^2/NDF:2676.7/1

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.090+/-0.051 χ^2/NDF:323.8/1

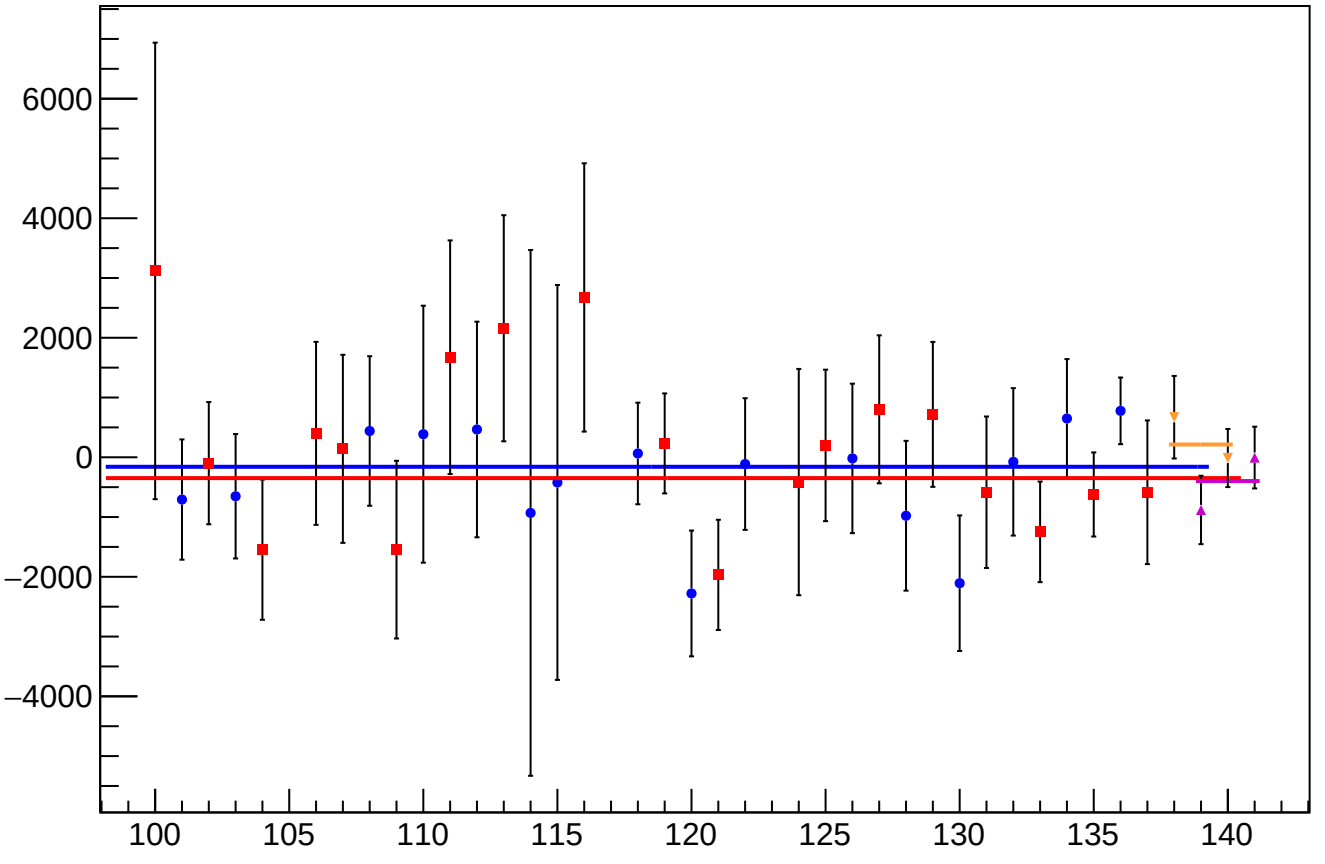
Left: 99.749+/-0.039 χ^2/NDF: 22335.2/3

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 109.469+/-0.026 χ^2/NDF:639493.8/17

Out: 115.579+/-0.028 χ^2/NDF:519586.2/20

All: 112.389+/-0.019 χ^2/NDF: 1184735.4/38



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 213.755+/-397.591 χ^2/NDF:0.7/1

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -398.222+/-383.436 χ^2/NDF:1.3/1

Left: -103.321+/-275.999 χ^2/NDF: 3.2/3

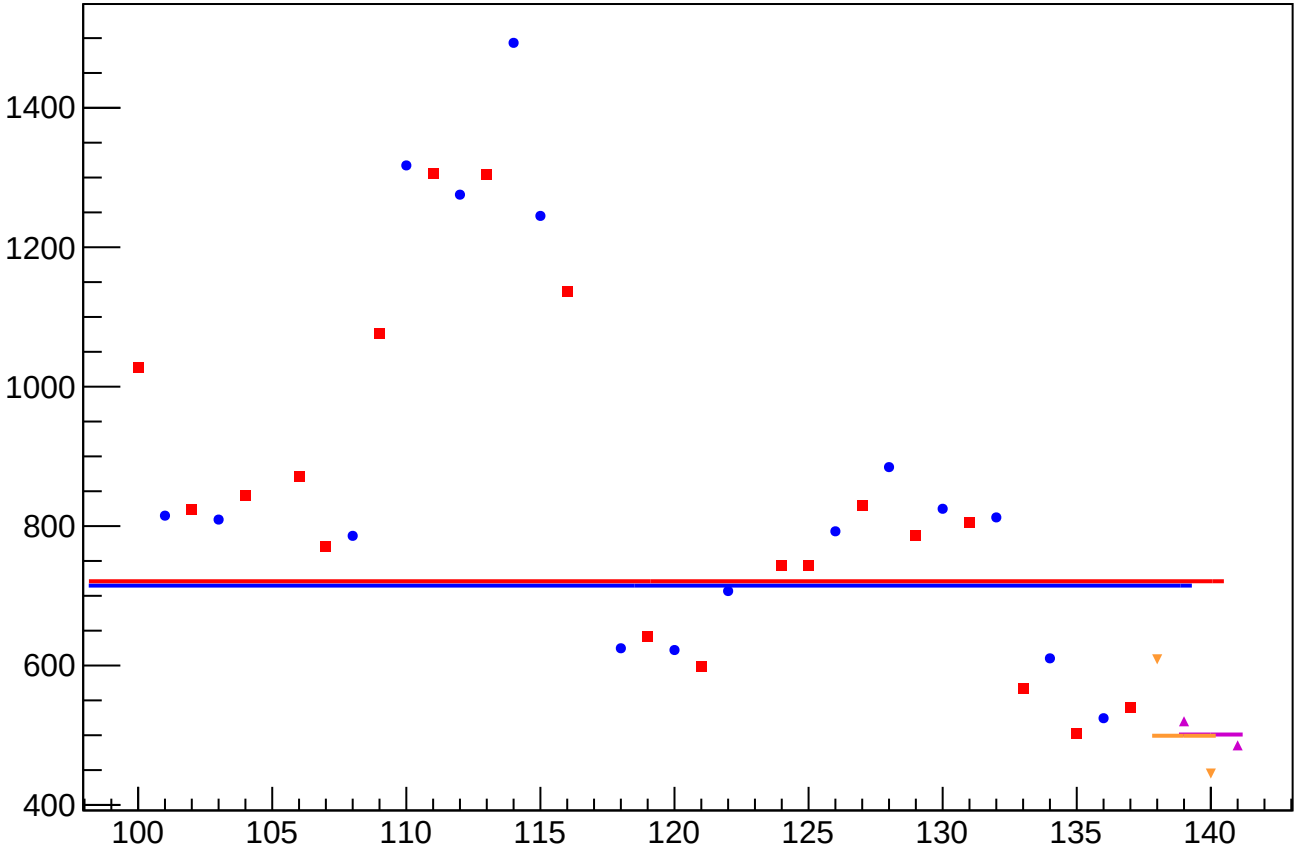
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -240.155+/-223.231 χ^2/NDF:13.5/17

Out: -167.835+/-225.387 χ^2/NDF:16.3/20

All: -204.343+/-158.605 χ^2/NDF: 29.9/38

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 499.288+/-0.281 χ^2/NDF:75243.1/1

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 501.012+/-0.271 χ^2/NDF:4012.4/1

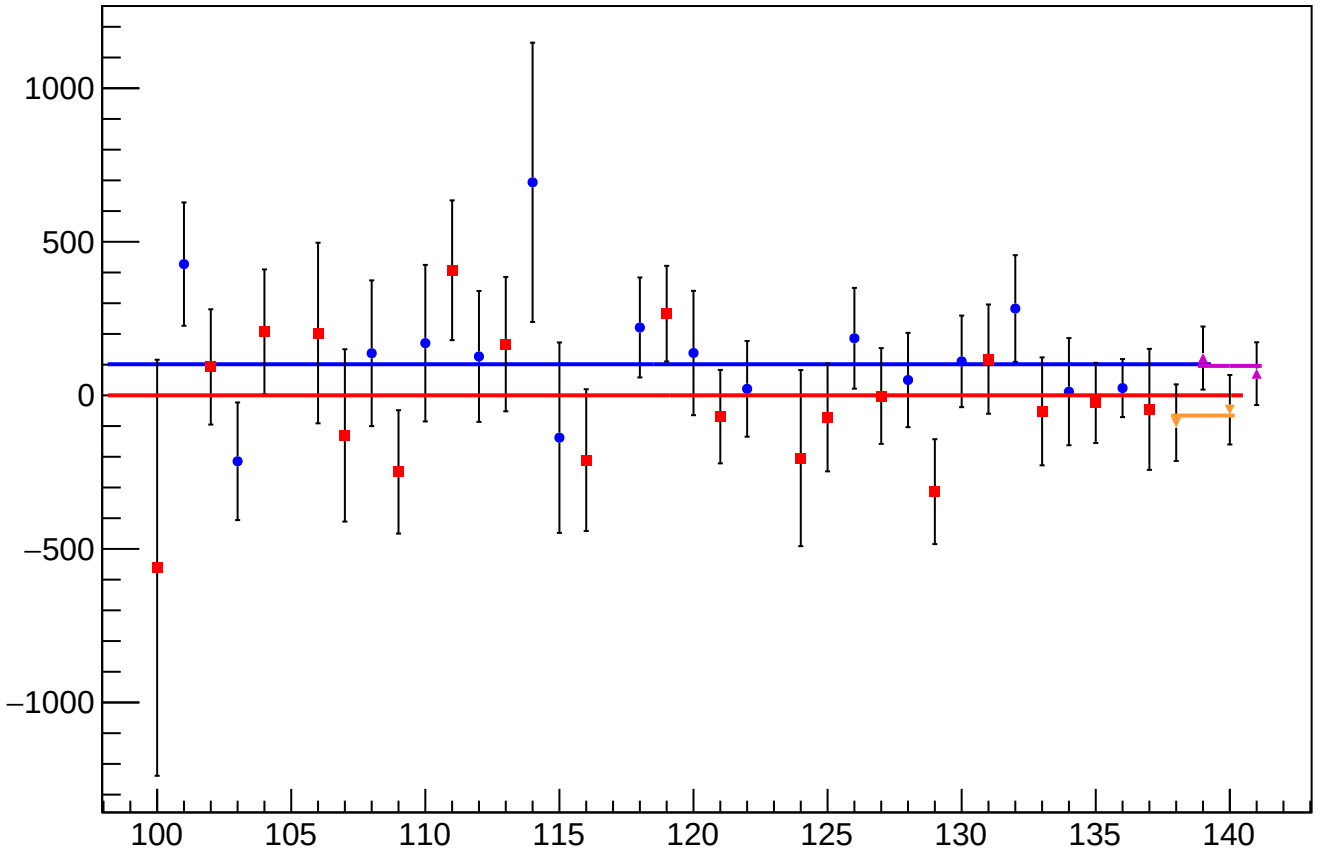
Left: 500.181+/-0.195 χ^2/NDF: 79275.0/3

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 642.250+/-0.158 χ^2/NDF:1290724.6/17

Out: 649.673+/-0.159 χ^2/NDF:1515302.0/20

All: 645.926+/-0.112 χ^2/NDF: 2807121.8/38



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -65.792+/-83.784 χ^2/NDF:0.1/1

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 95.899+/-72.449 χ^2/NDF:0.1/1

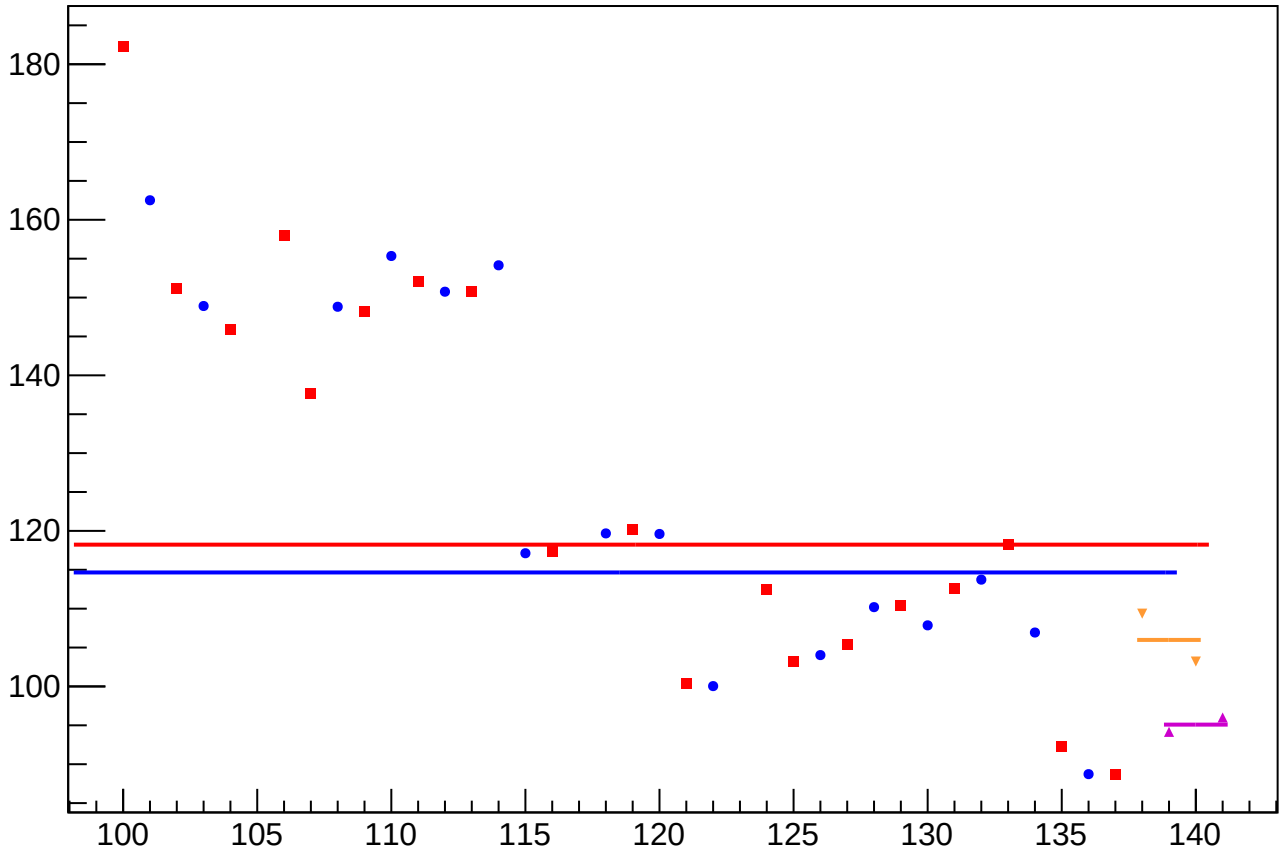
Left: 26.722+/-54.802 χ^2/NDF: 2.3/3

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 99.852+/-37.300 χ^2/NDF:11.1/17

Out: -14.143+/-38.979 χ^2/NDF:17.2/20

All: 45.363+/-26.949 χ^2/NDF: 32.8/38



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 105.980+/-0.059 χ^2/NDF:2676.7/1

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 95.090+/-0.051 χ^2/NDF:323.9/1

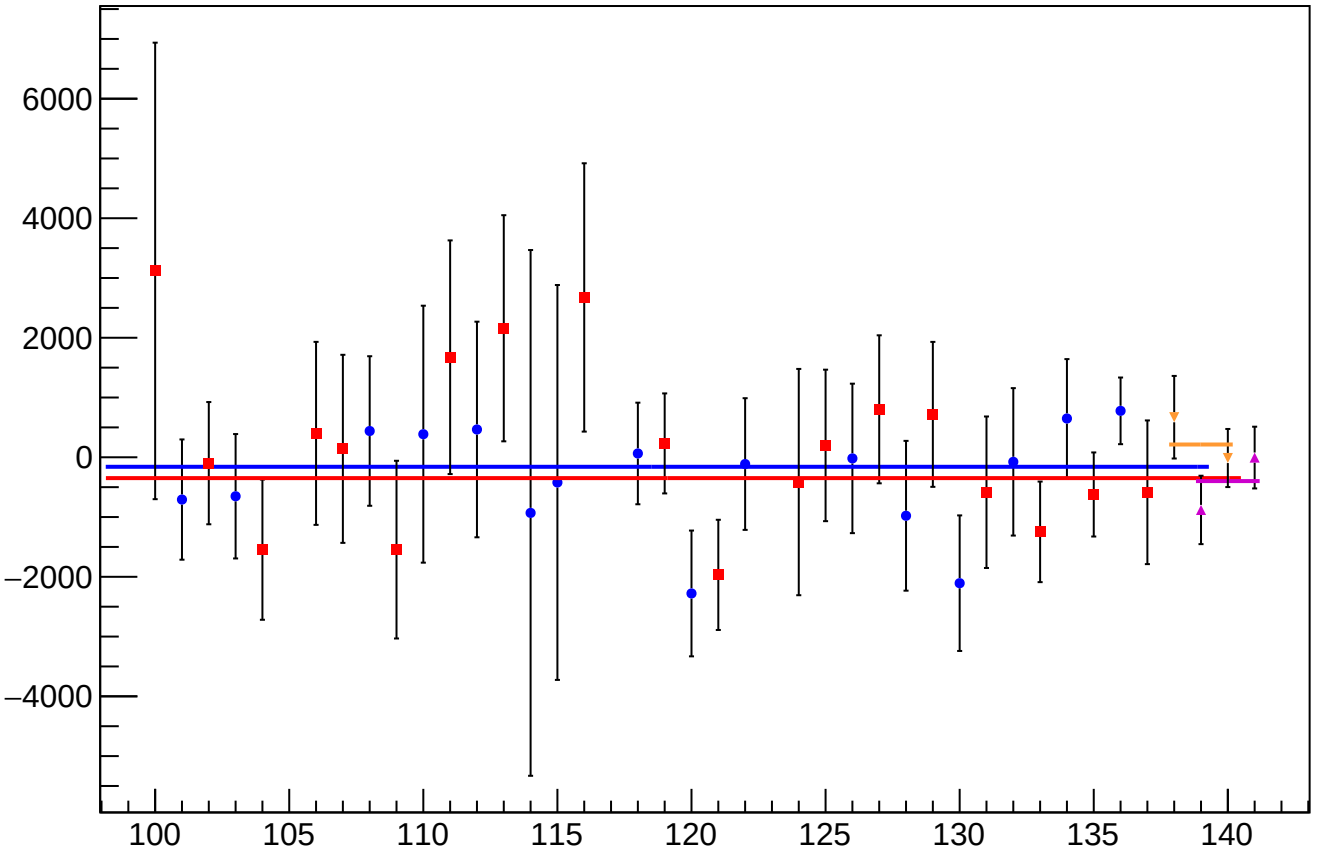
Left: 99.749+/-0.039 χ^2/NDF: 22335.0/3

Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 109.469+/-0.026 χ^2/NDF:639480.7/17

Out: 115.579+/-0.028 χ^2/NDF:519579.3/20

All: 112.389+/-0.019 χ^2/NDF: 1184714.2/38



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 213.753+/-397.591 χ^2/NDF:0.7/1

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -398.222+/-383.437 χ^2/NDF:1.3/1

Left: -103.322+/-275.999 χ^2/NDF: 3.2/3

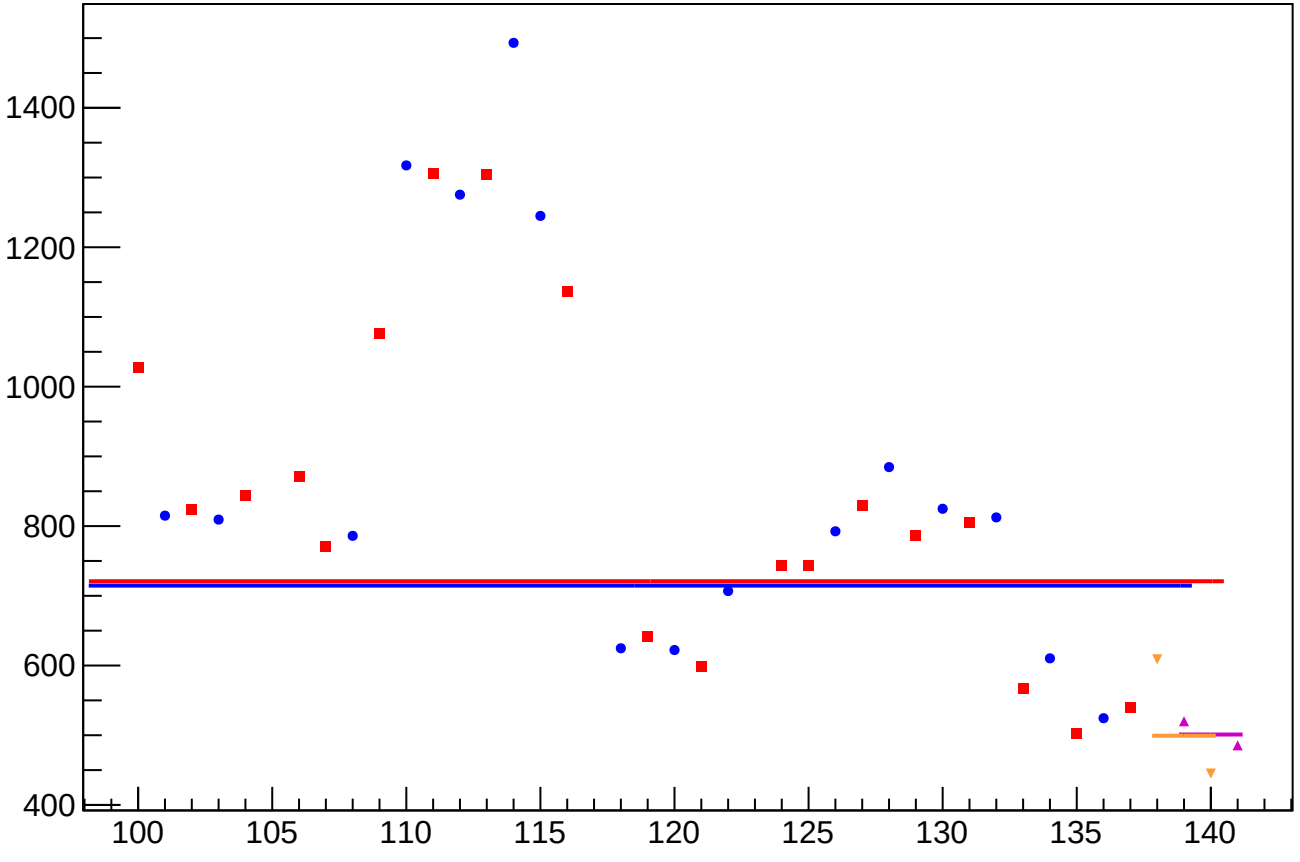
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -240.156+/-223.231 χ^2/NDF:13.5/17

Out: -167.836+/-225.387 χ^2/NDF:16.3/20

All: -204.344+/-158.605 χ^2/NDF: 29.9/38

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 499.288+/-0.281 χ^2/NDF:75242.8/1

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 501.013+/-0.271 χ^2/NDF:4012.4/1

Left: 500.182+/-0.195 χ^2/NDF: 79274.8/3

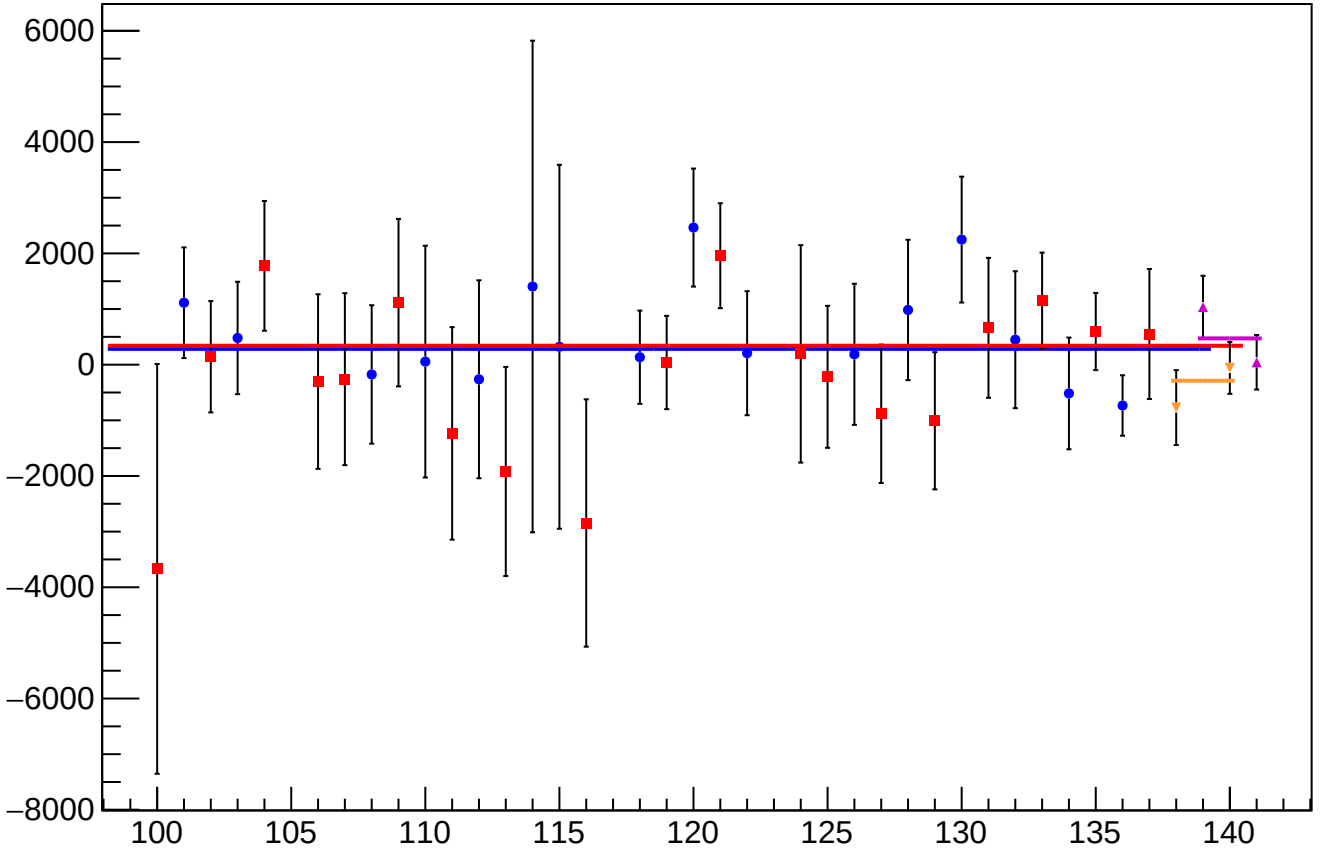
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 642.251+/-0.158 χ^2/NDF:1290716.3/17

Out: 649.673+/-0.159 χ^2/NDF:1515293.3/20

All: 645.926+/-0.112 χ^2/NDF: 2807104.7/38

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -288.851+/-383.330 χ^2/NDF:0.8/1

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 472.237+/-369.284 χ^2/NDF:1.8/1

Left: 105.892+/-265.950 χ^2/NDF: 4.6/3

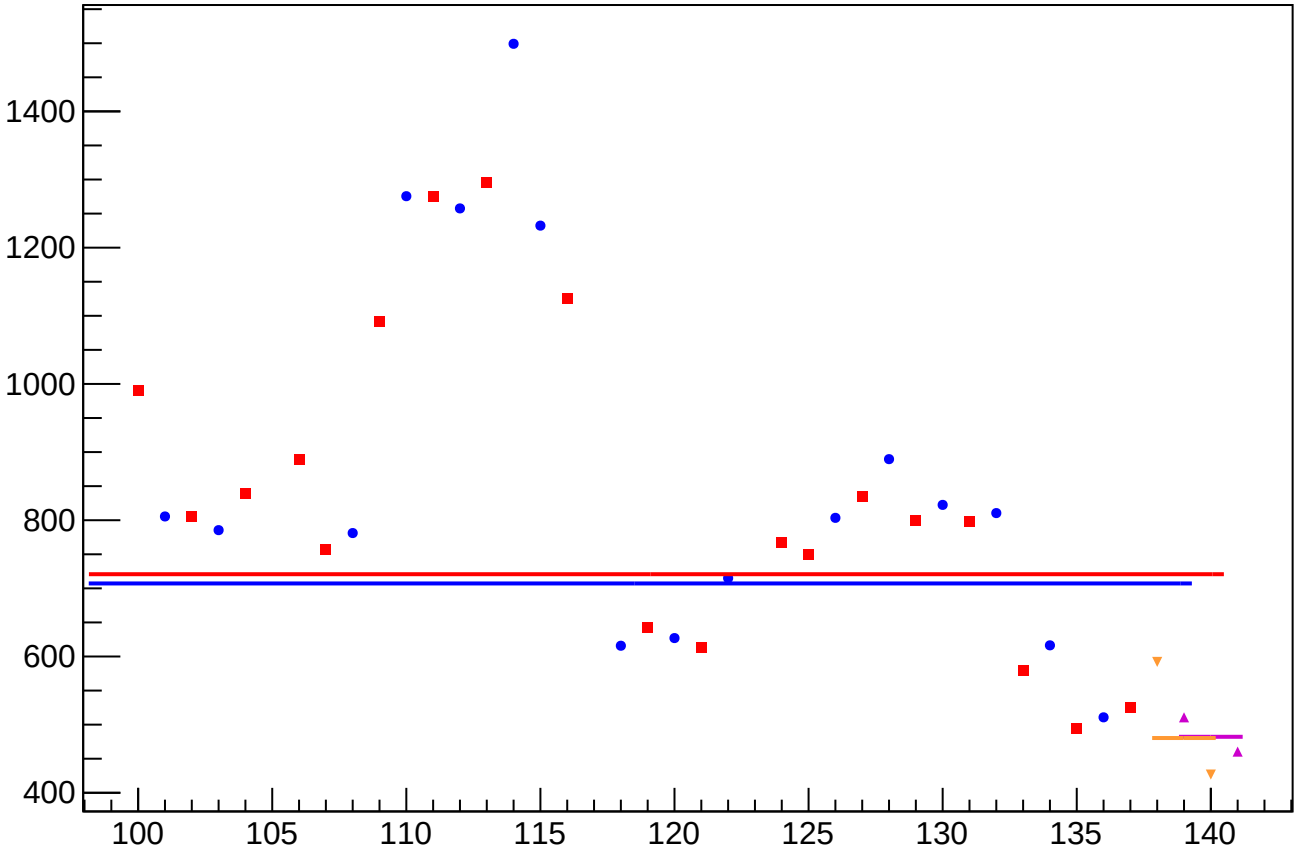
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 350.693+/-218.975 χ^2/NDF:14.7/17

Out: 127.774+/-222.695 χ^2/NDF:16.6/20

All: 241.111+/-156.137 χ^2/NDF: 31.9/38

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 480.363+/-0.271 χ^2/NDF:81548.5/1

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 482.168+/-0.261 χ^2/NDF:9113.8/1

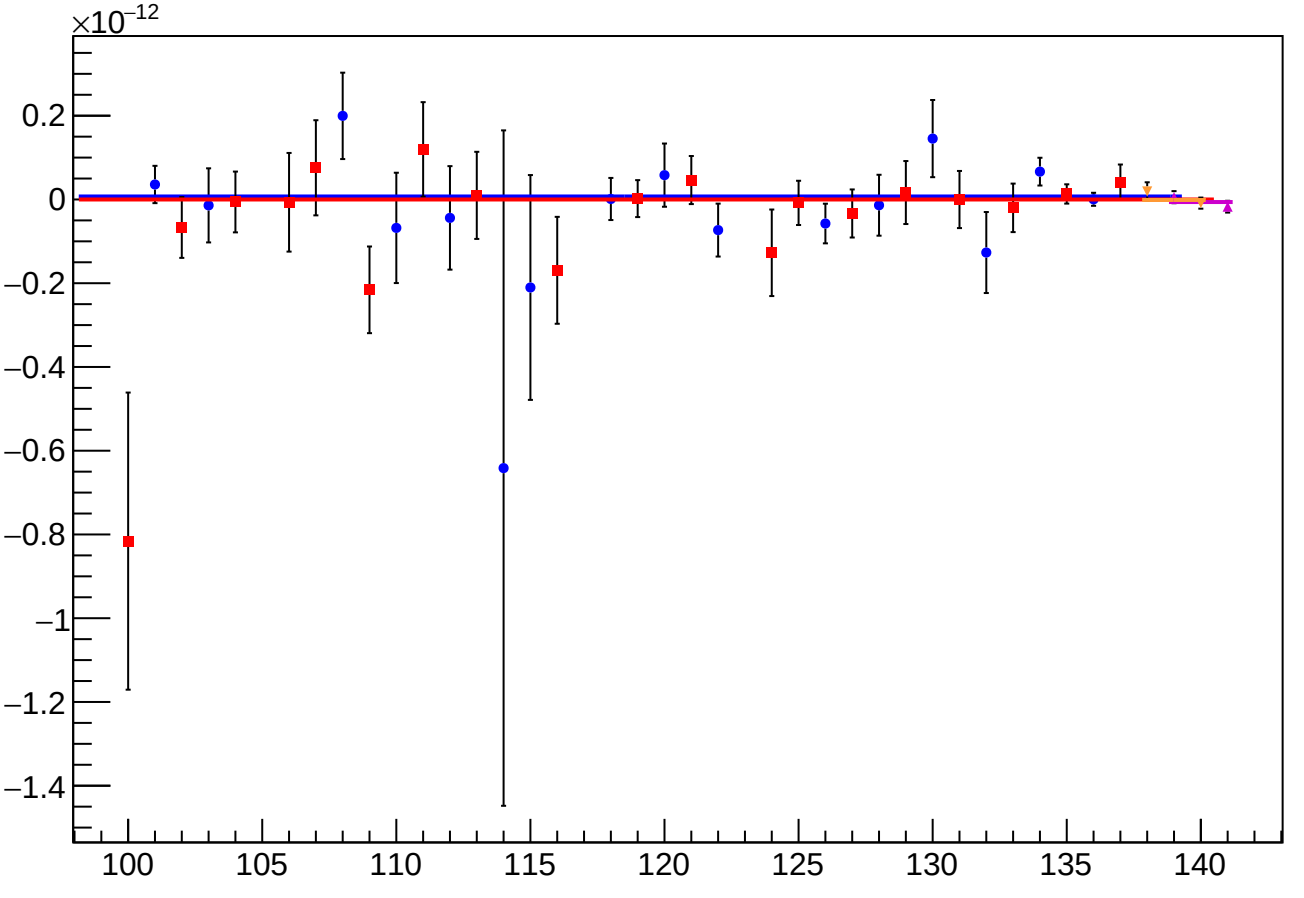
Left: 481.299+/-0.188 χ^2/NDF: 90685.3/3

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 628.081+/-0.155 χ^2/NDF:1387380.6/17

Out: 639.637+/-0.157 χ^2/NDF:1618011.8/20

All: 633.762+/-0.110 χ^2/NDF: 3008130.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/1

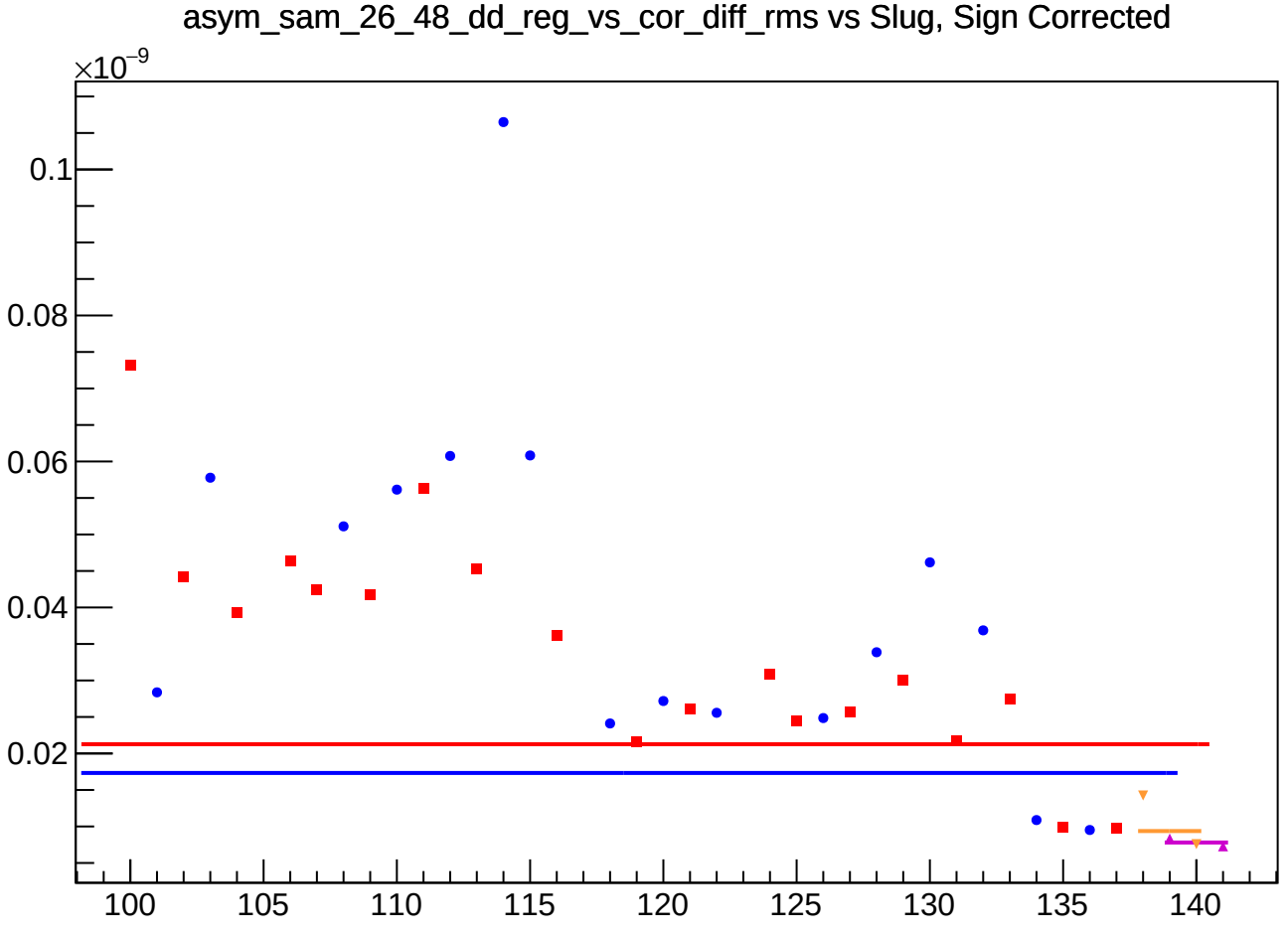
Left: -0.000+/-0.000 χ^2/NDF: 2.6/3

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:19.4/17

Out: -0.000+/-0.000 χ^2/NDF:19.0/20

All: -0.000+/-0.000 χ^2/NDF: 38.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:136032.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5613.2/1

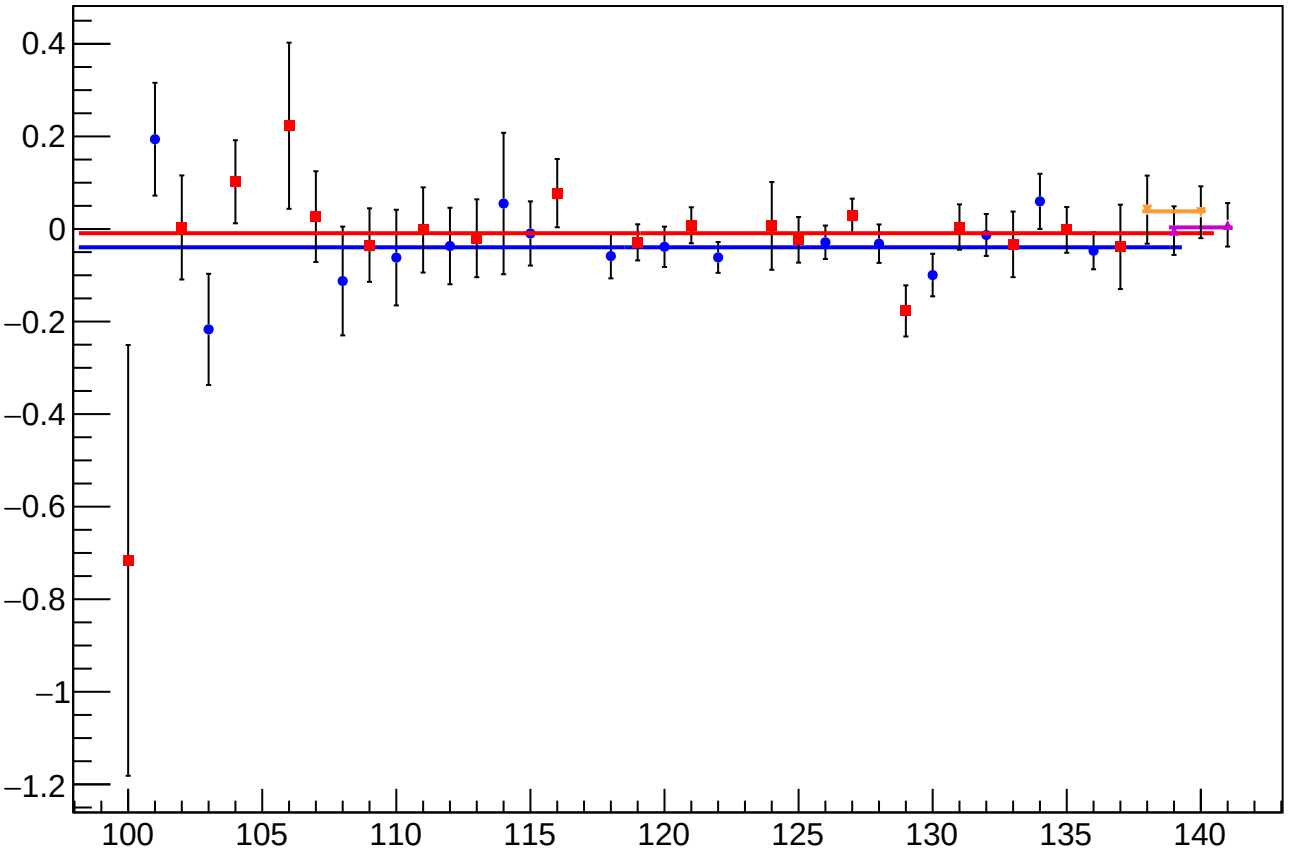
Left: 0.000+/-0.000 χ^2/NDF: 163023.6/3

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3152127.4/17

Out: 0.000+/-0.000 χ^2/NDF:2725315.3/20

All: 0.000+/-0.000 χ^2/NDF: 5963255.1/38



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.003+/-0.035 χ^2/NDF:0.0/1

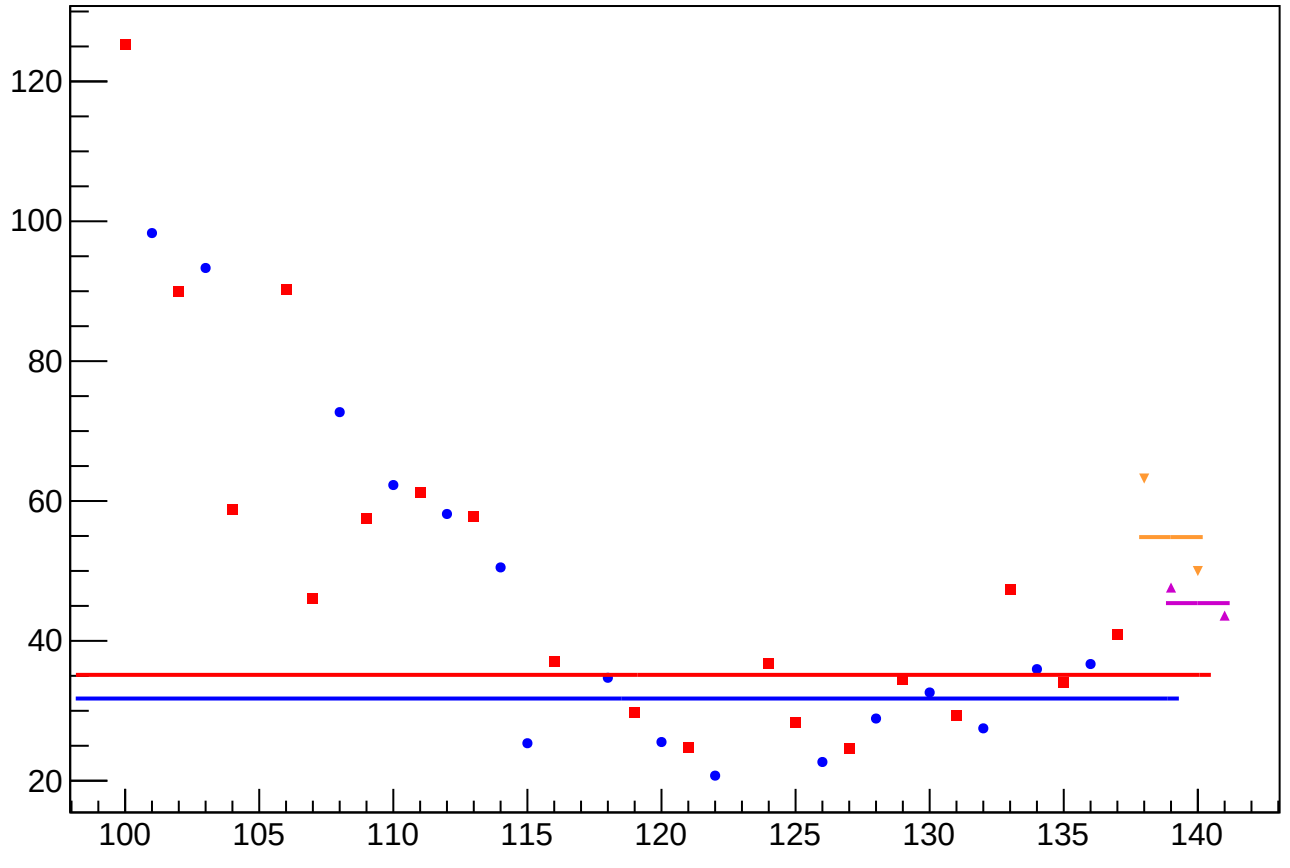
Left: 0.017+/-0.028 χ^2/NDF: 0.4/3

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.012 χ^2/NDF:13.8/17

Out: -0.005+/-0.014 χ^2/NDF:19.3/20

All: -0.021+/-0.009 χ^2/NDF: 35.7/38



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 54.842+/-0.032 χ^2/NDF:40886.3/1

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6480.4/1

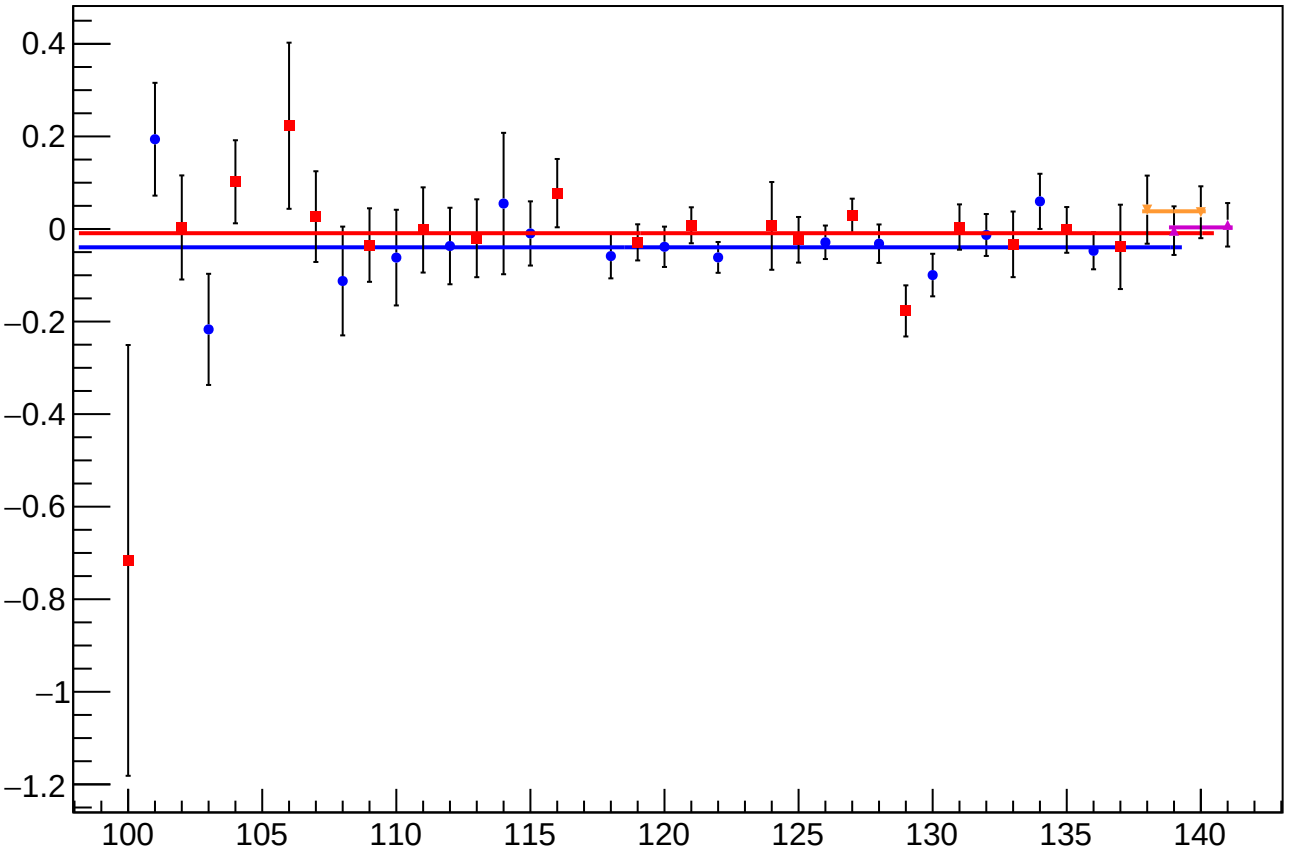
Left: 49.002+/-0.019 χ^2/NDF: 102839.9/3

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.444+/-0.009 χ^2/NDF:2524832.6/17

Out: 36.946+/-0.010 χ^2/NDF:2240247.9/20

All: 35.035+/-0.006 χ^2/NDF: 4838502.0/38



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.003+/-0.035 χ^2/NDF:0.0/1

Left: 0.017+/-0.028 χ^2/NDF: 0.4/3

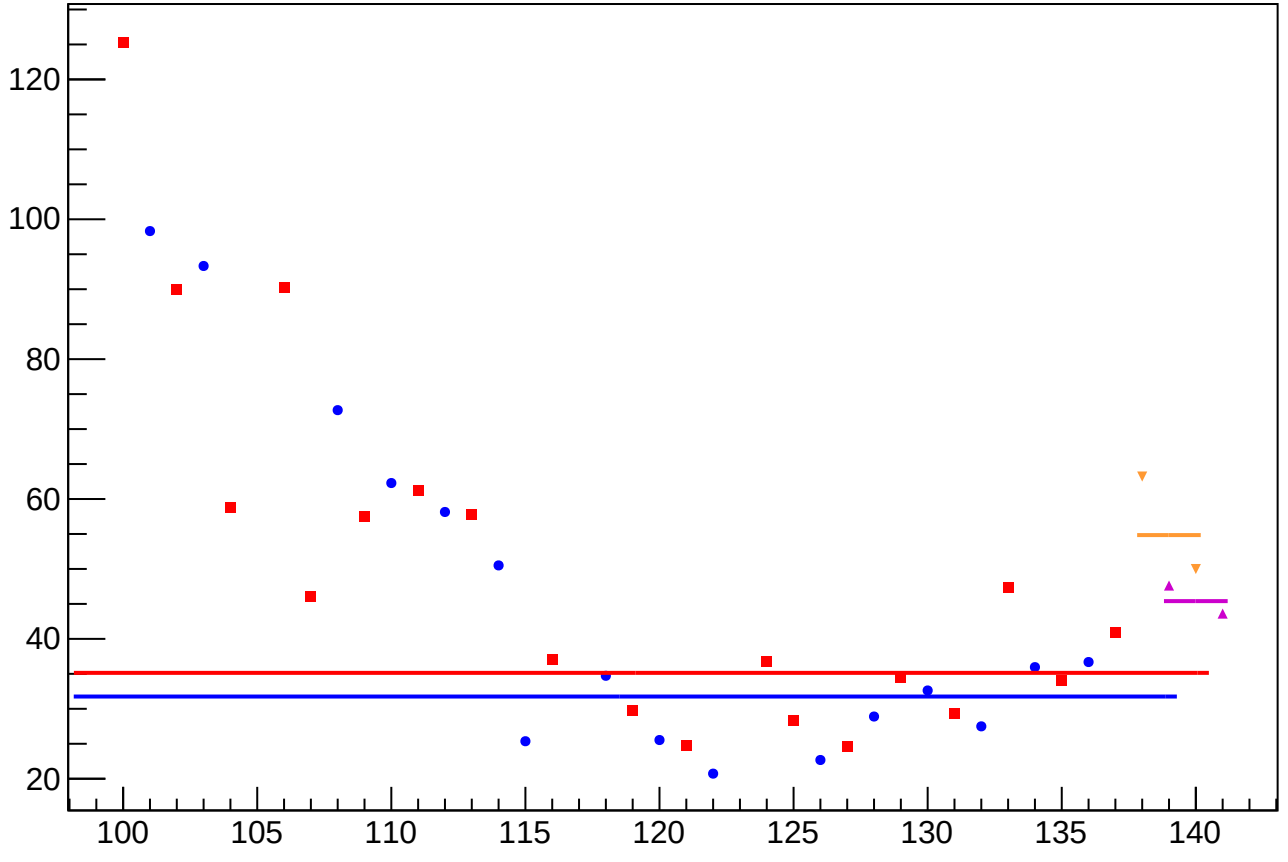
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.012 χ^2/NDF:13.8/17

Out: -0.005+/-0.014 χ^2/NDF:19.3/20

All: -0.021+/-0.009 χ^2/NDF: 35.7/38

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 54.842+/-0.032 χ^2/NDF:40886.3/1

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6480.4/1

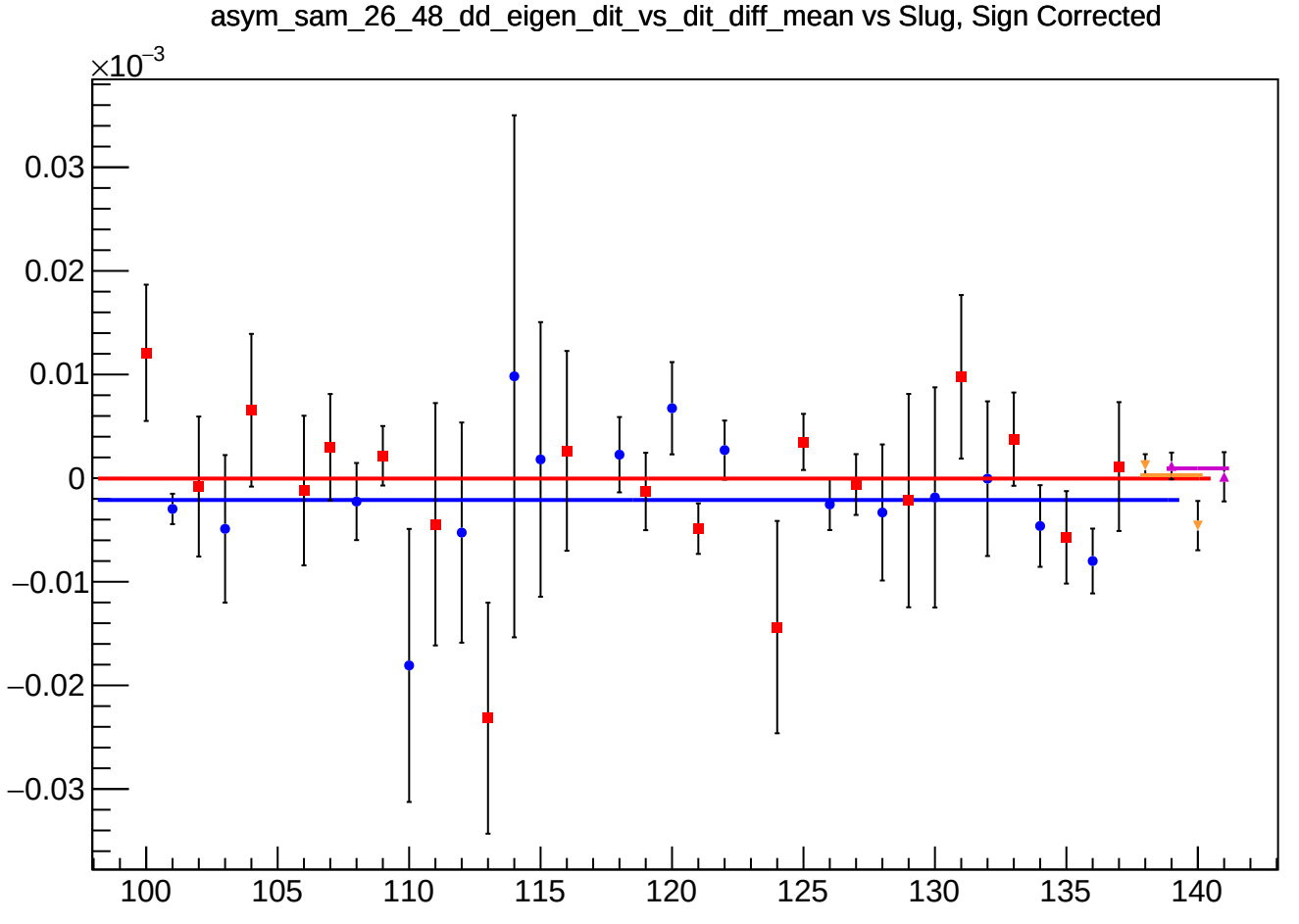
Left: 49.002+/-0.019 χ^2/NDF: 102839.9/3

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.444+/-0.009 χ^2/NDF:2524832.6/17

Out: 36.946+/-0.010 χ^2/NDF:2240247.9/20

All: 35.035+/-0.006 χ^2/NDF: 4838502.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

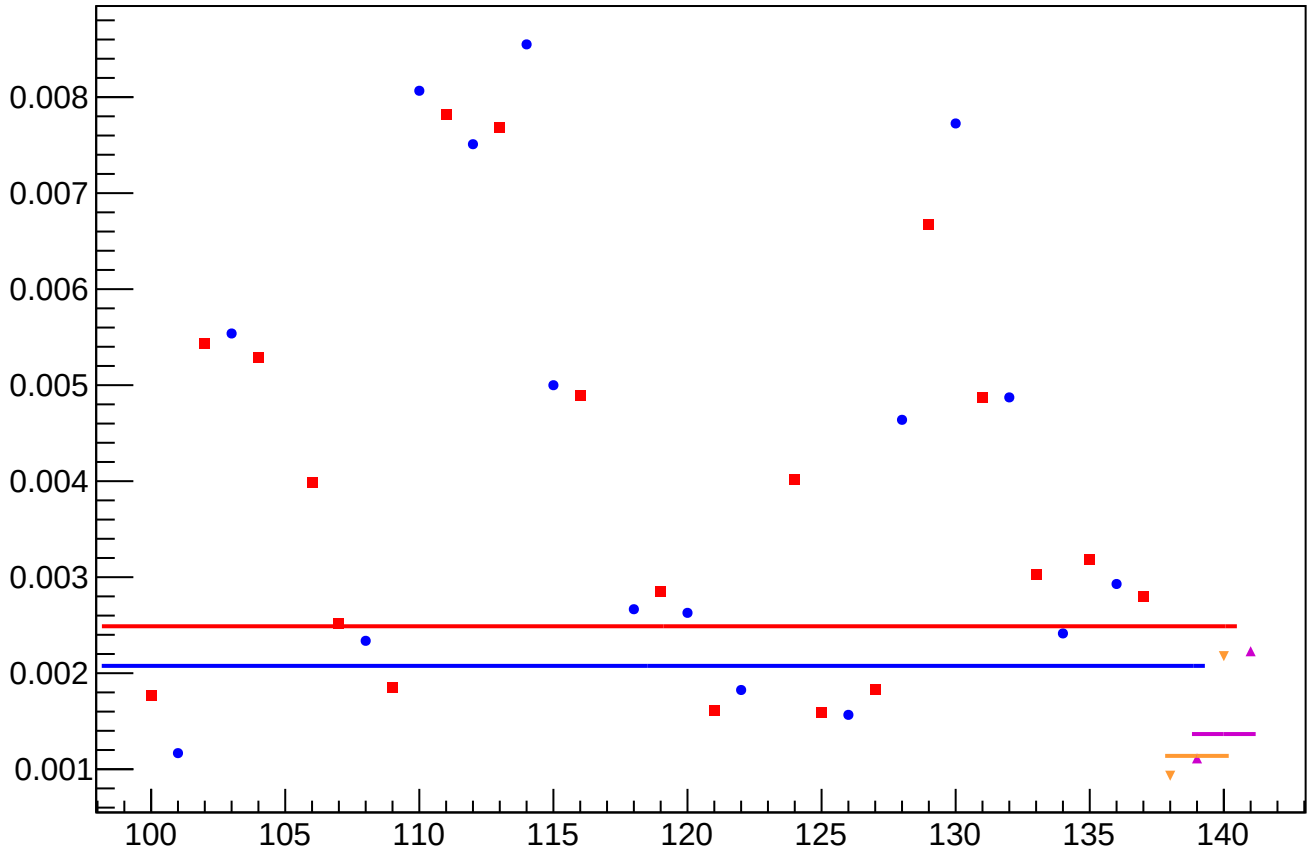
Left: 0.000+/-0.000 χ^2/NDF: 5.4/3

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:19.3/17

Out: 0.000+/-0.000 χ^2/NDF:26.5/20

All: -0.000+/-0.000 χ^2/NDF: 46.8/38



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:456802.9/1

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:340688.5/1

Left: 0.001+/-0.000 χ^2/NDF: 844054.0/3

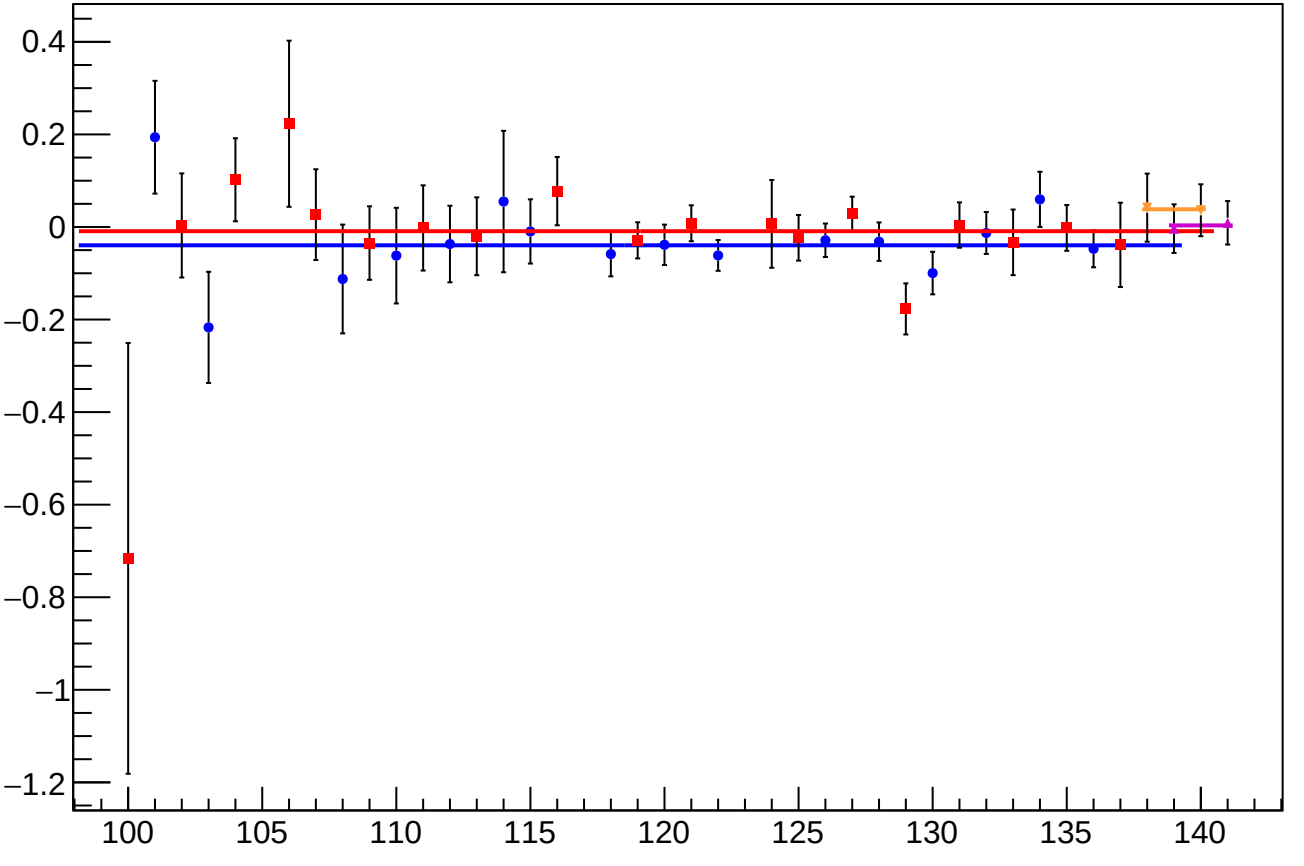
Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.002+/-0.000 χ^2/NDF:4735330.3/17

Out: 0.002+/-0.000 χ^2/NDF:5348162.6/20

All: 0.002+/-0.000 χ^2/NDF: 10085639.0/38

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.003+/-0.035 χ^2/NDF:0.0/1

Left: 0.017+/-0.028 χ^2/NDF: 0.4/3

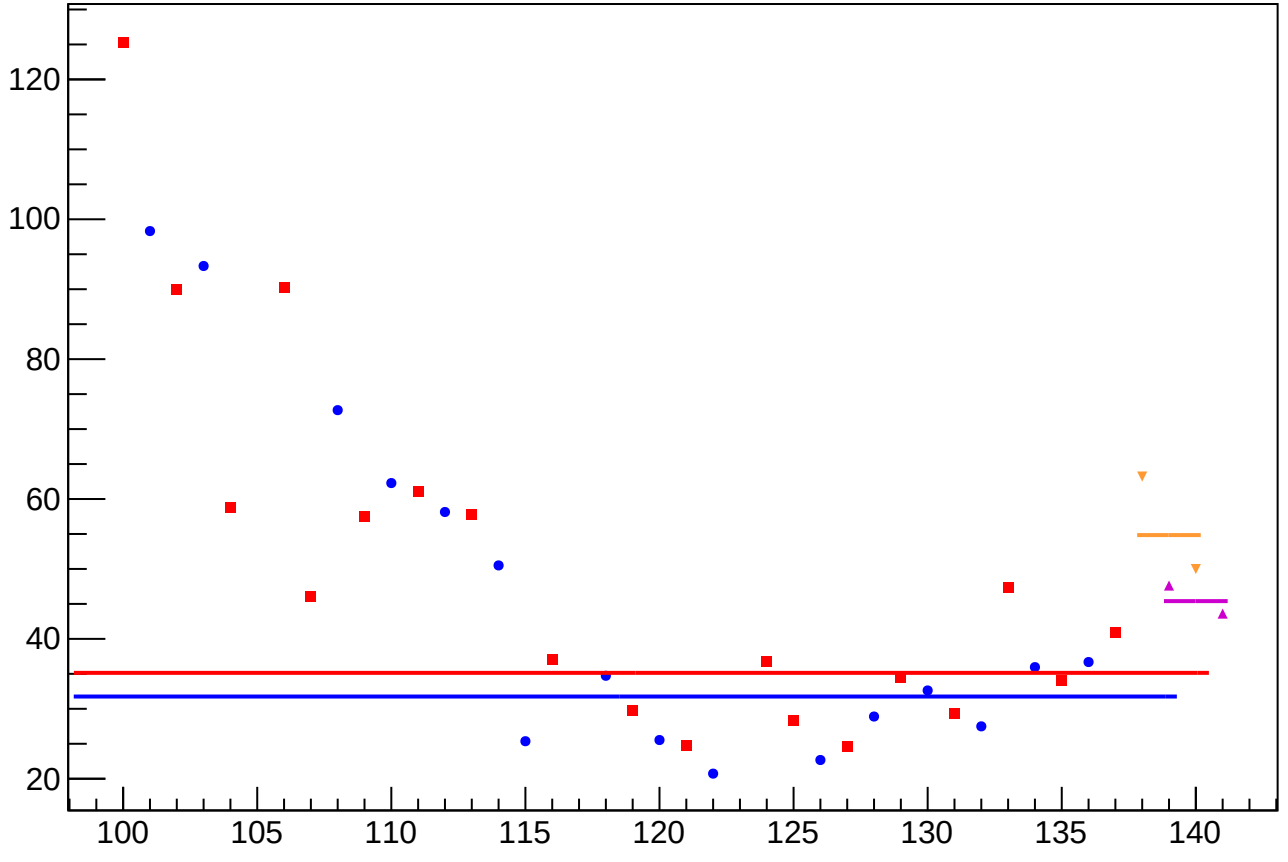
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.012 χ^2/NDF:13.8/17

Out: -0.005+/-0.014 χ^2/NDF:19.3/20

All: -0.021+/-0.009 χ^2/NDF: 35.7/38

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 54.842+/-0.032 χ^2/NDF:40885.8/1

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6478.5/1

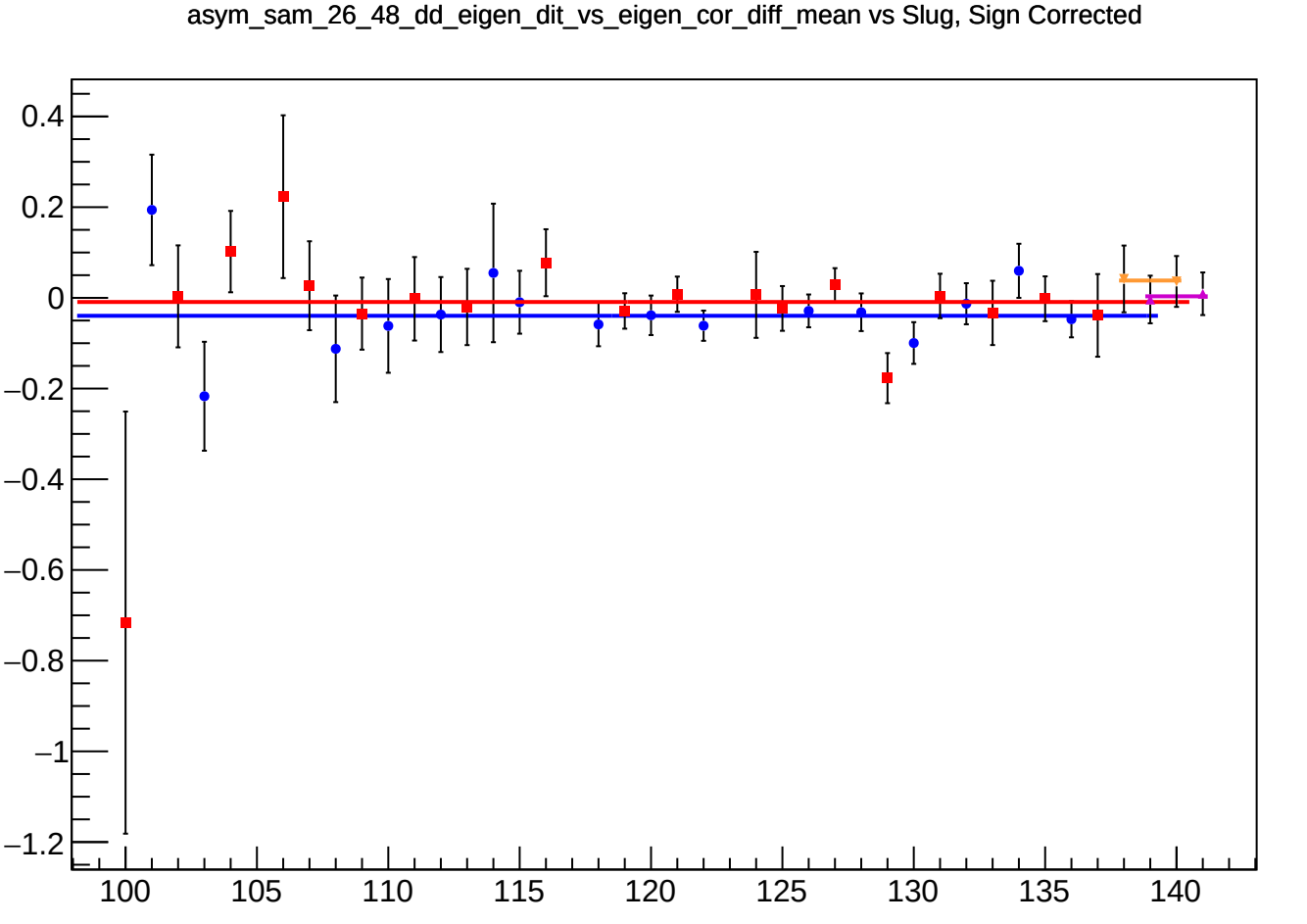
Left: 49.002+/-0.019 χ^2/NDF: 102834.8/3

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.444+/-0.009 χ^2/NDF:2524799.9/17

Out: 36.947+/-0.010 χ^2/NDF:2240129.6/20

All: 35.036+/-0.006 χ^2/NDF: 4838353.7/38



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.045 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.003+/-0.035 χ^2/NDF:0.0/1

Left: 0.017+/-0.028 χ^2/NDF: 0.4/3

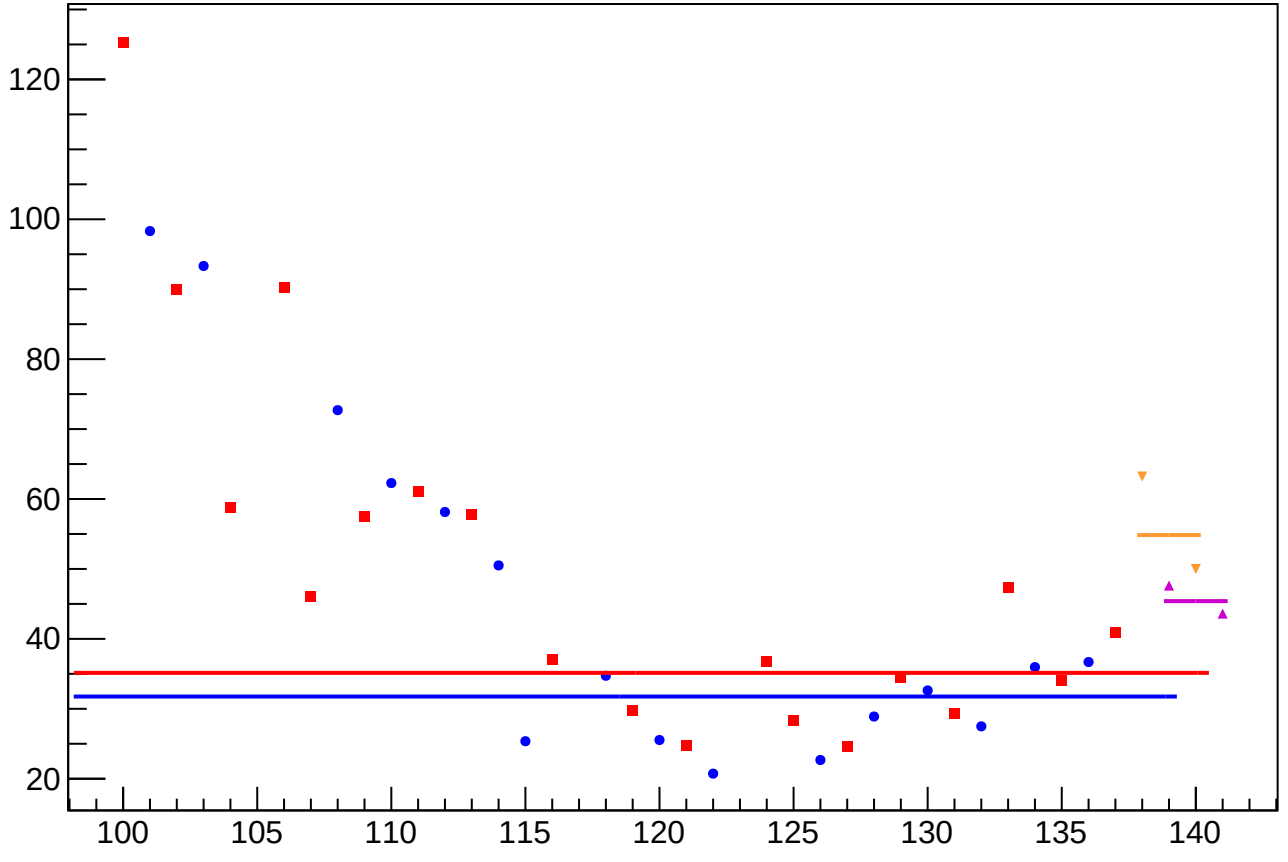
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.012 χ^2/NDF:13.8/17

Out: -0.005+/-0.014 χ^2/NDF:19.3/20

All: -0.021+/-0.009 χ^2/NDF: 35.7/38

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 54.842+/-0.032 χ^2/NDF:40885.8/1

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6478.5/1

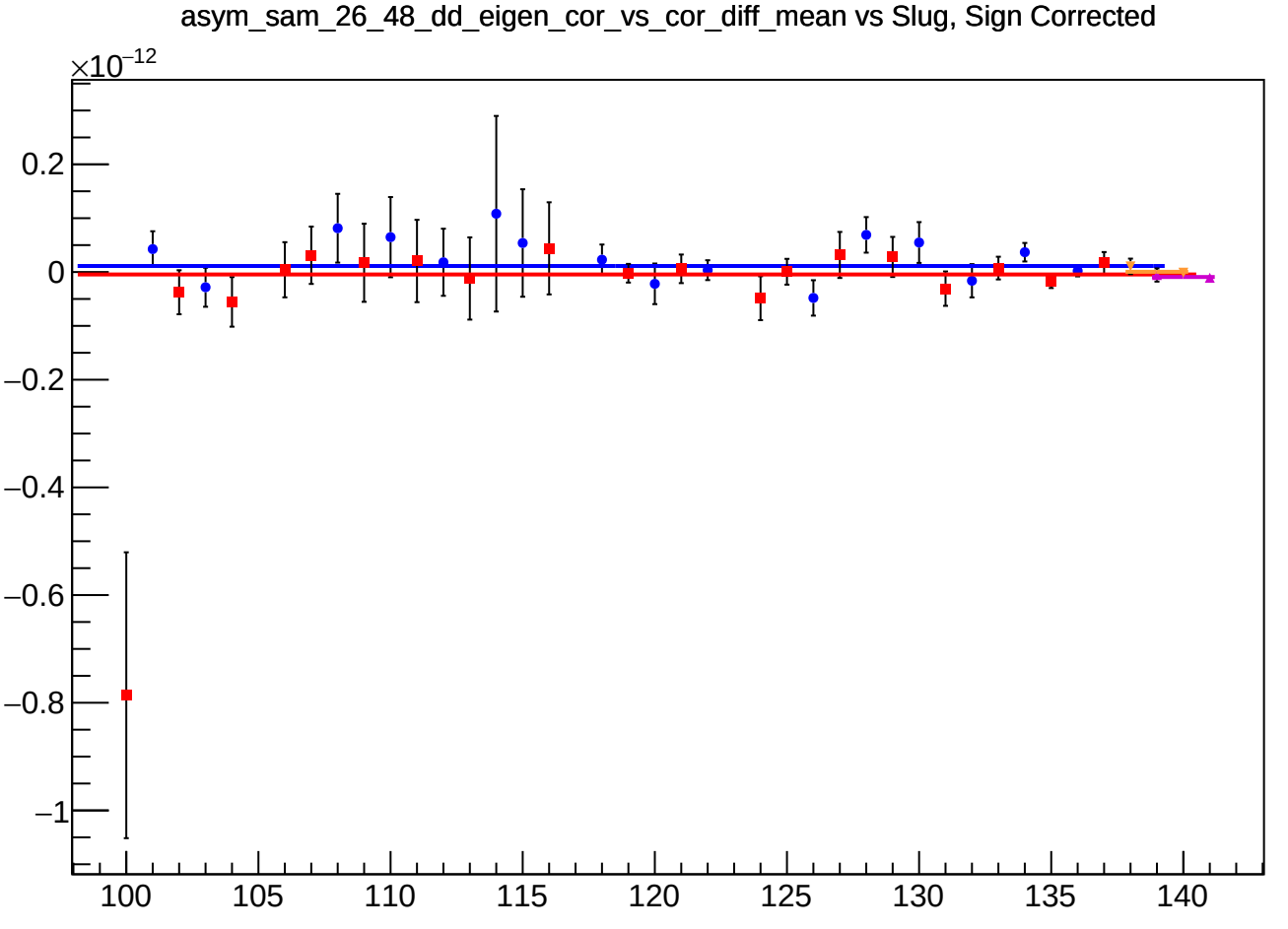
Left: 49.002+/-0.019 χ^2/NDF: 102834.8/3

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.444+/-0.009 χ^2/NDF:2524799.9/17

Out: 36.947+/-0.010 χ^2/NDF:2240129.6/20

All: 35.036+/-0.006 χ^2/NDF: 4838353.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

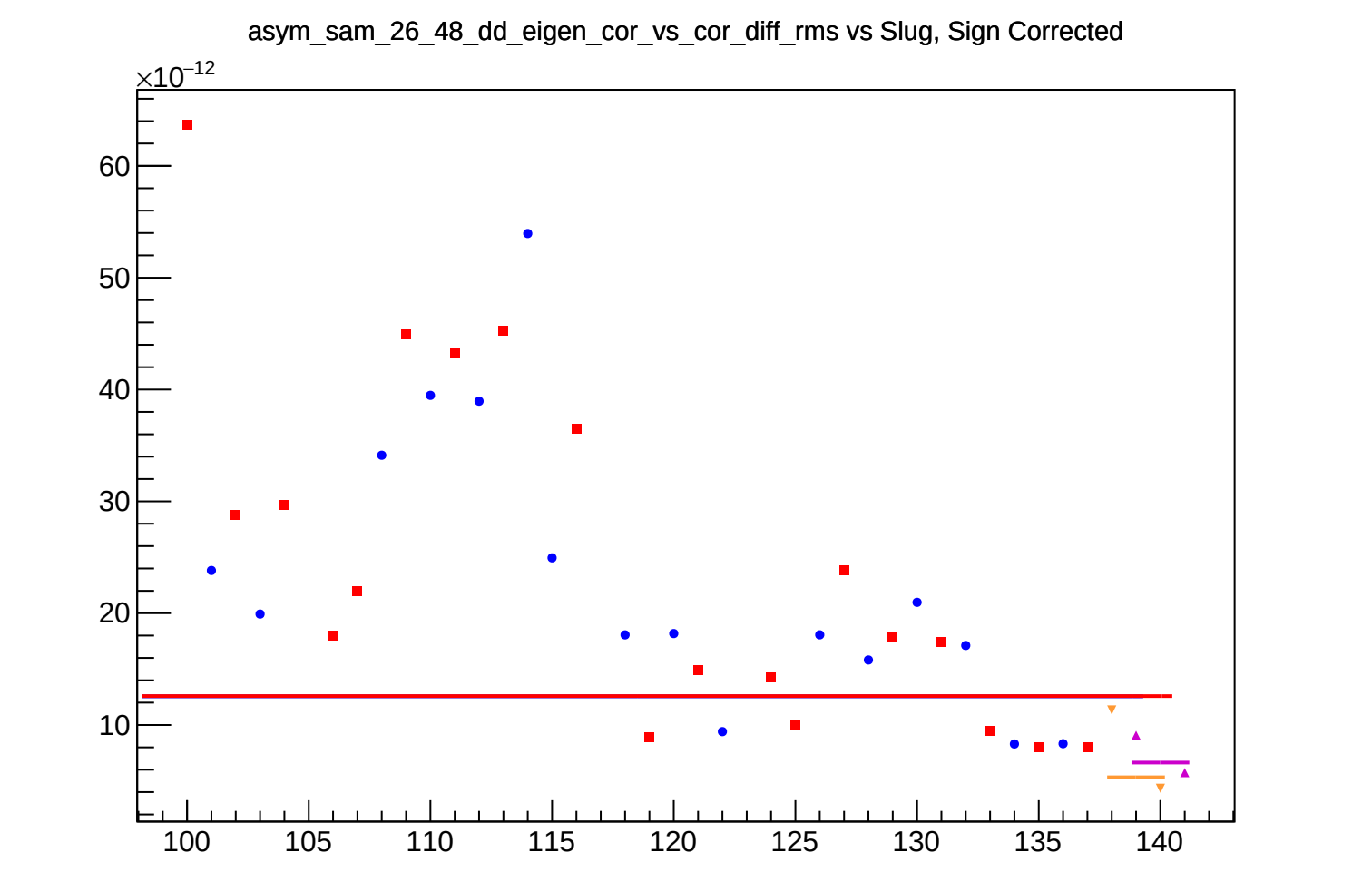
Left: -0.000+/-0.000 χ^2/NDF: 2.0/3

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.1/17

Out: -0.000+/-0.000 χ^2/NDF:18.4/20

All: -0.000+/-0.000 χ^2/NDF: 40.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:405657.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:108788.8/1

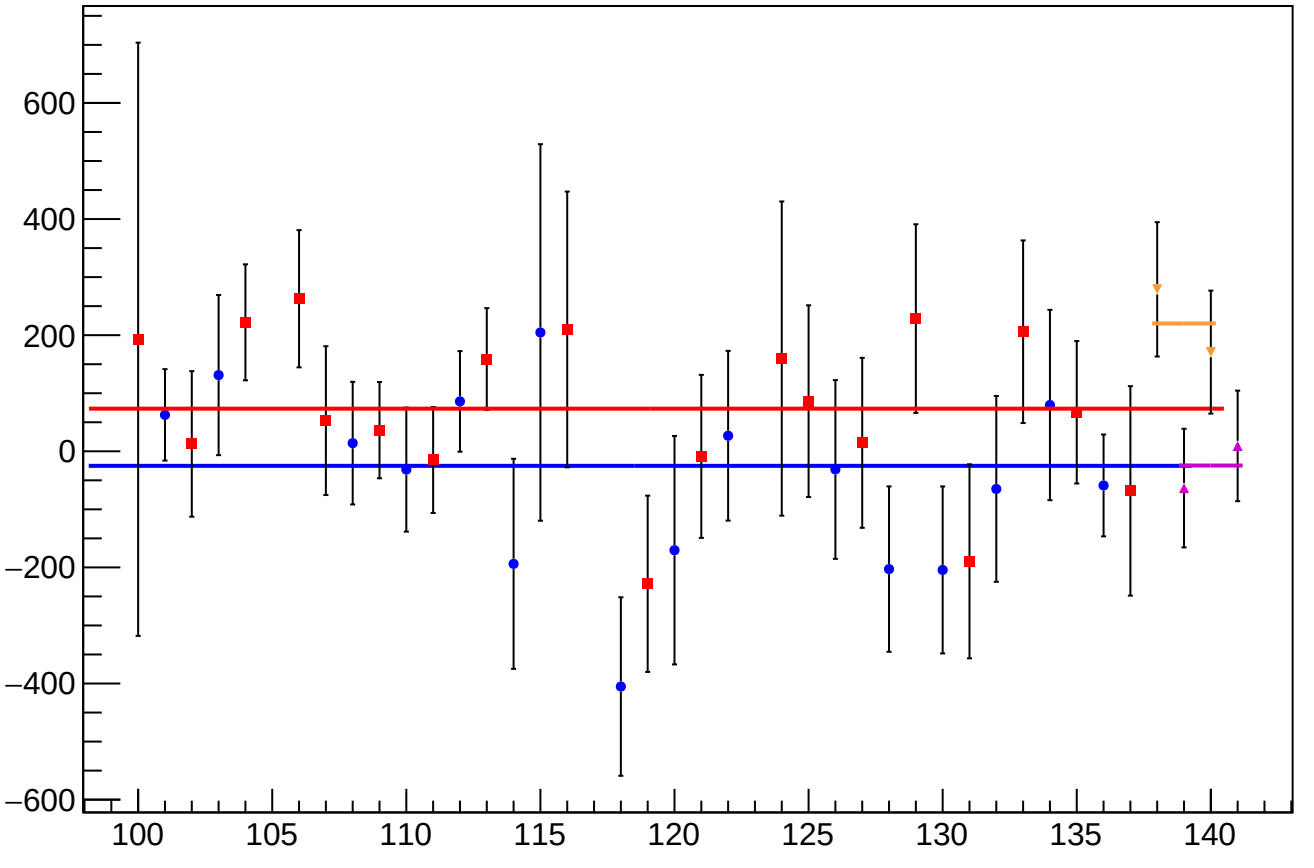
Left: 0.000+/-0.000 χ^2/NDF: 564430.4/3

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:3131108.1/17

Out: 0.000+/-0.000 χ^2/NDF:4591099.2/20

All: 0.000+/-0.000 χ^2/NDF: 7816917.9/38



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 220.103+/-78.116 χ^2/NDF:0.5/1

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: -24.497+/-69.657 χ^2/NDF:0.3/1

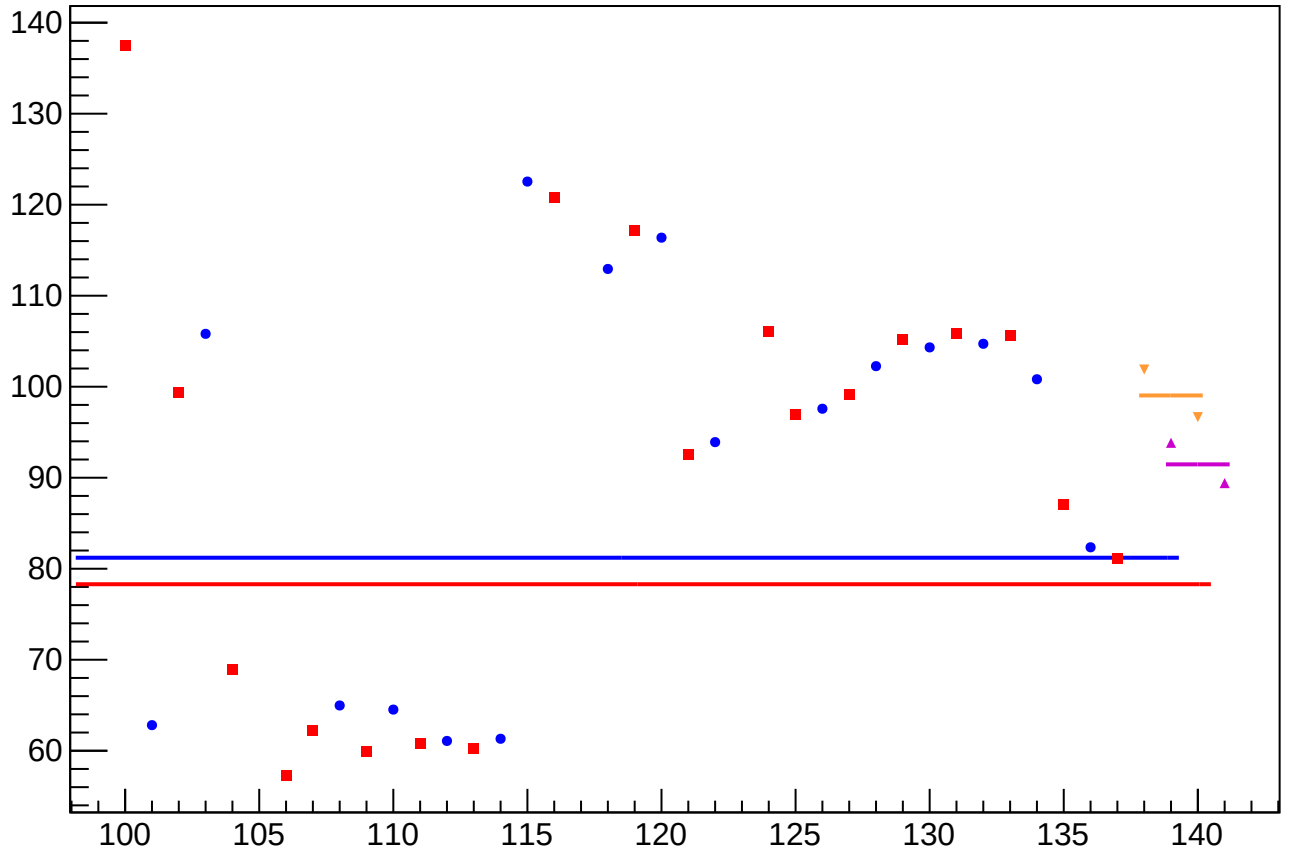
Left: 83.846+/-51.989 χ^2/NDF: 6.2/3

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -24.976+/-28.497 χ^2/NDF:16.5/17

Out: 92.235+/-27.953 χ^2/NDF:20.3/20

All: 34.759+/-19.955 χ^2/NDF: 45.4/38



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 99.040+/-0.055 χ^2/NDF:2227.1/1

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 91.467+/-0.049 χ^2/NDF:2013.3/1

Left: 94.821+/-0.037 χ^2/NDF: 14708.8/3

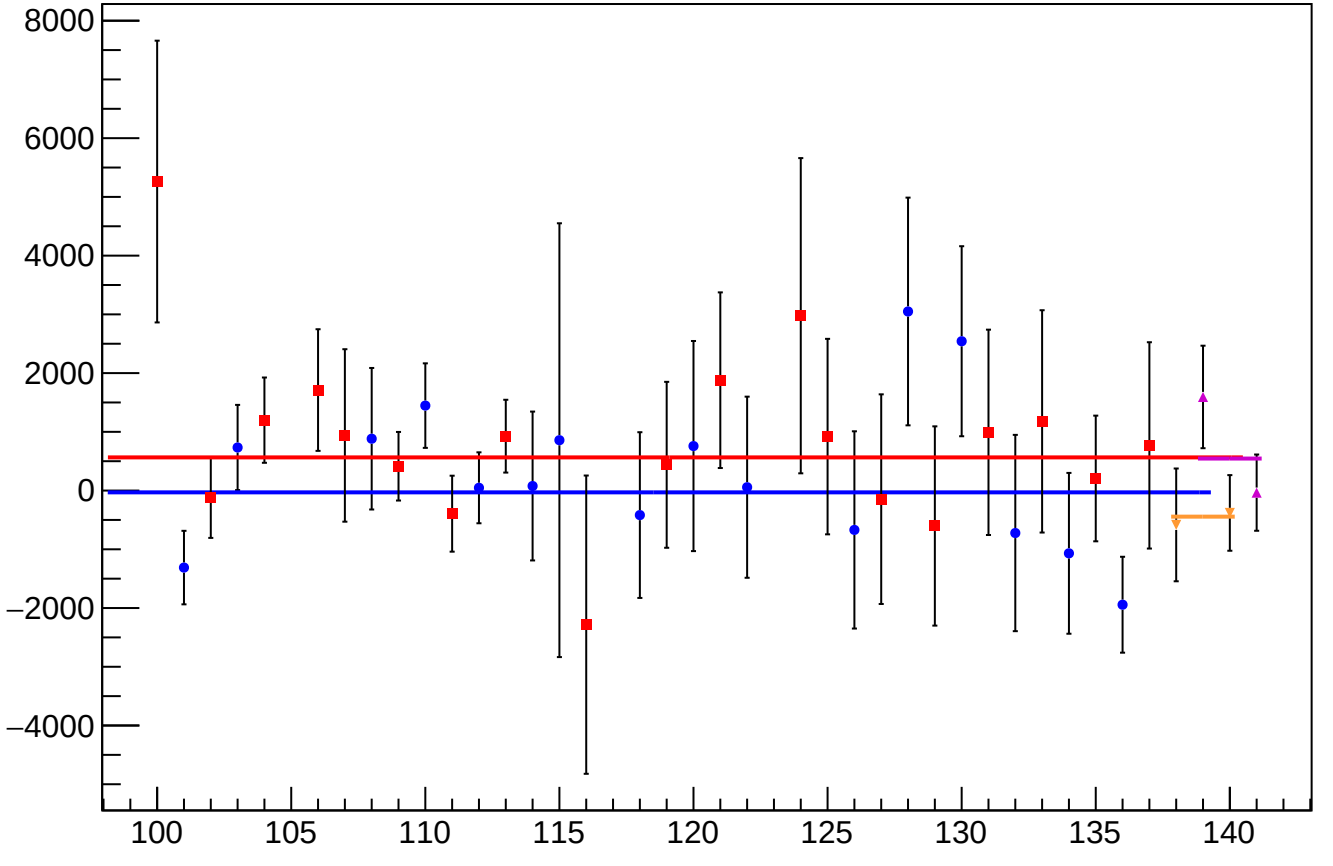
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 82.926+/-0.020 χ^2/NDF:825804.0/17

Out: 80.954+/-0.020 χ^2/NDF:1059850.6/20

All: 81.921+/-0.014 χ^2/NDF: 1890538.6/38

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -443.938+/-534.750 χ^2/NDF:0.0/1

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 545.092+/-520.818 χ^2/NDF:2.2/1

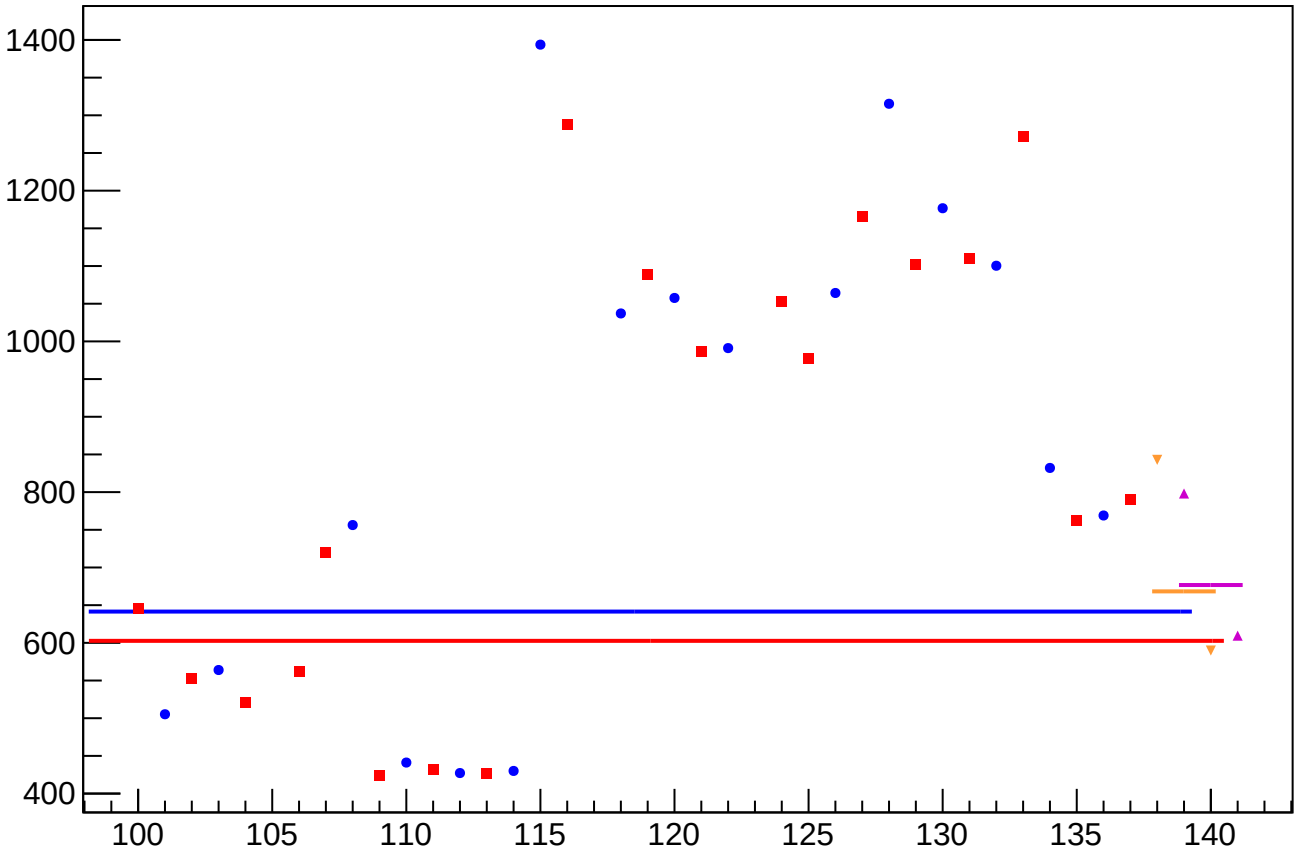
Left: 63.629+/-373.102 χ^2/NDF: 4.0/3

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 82.285+/-230.467 χ^2/NDF:25.1/17

Out: 397.520+/-217.812 χ^2/NDF:16.3/20

All: 248.795+/-158.301 χ^2/NDF: 42.4/38



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 668.291+/-0.378 χ^2/NDF:95815.4/1

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 676.735+/-0.368 χ^2/NDF:60167.3/1

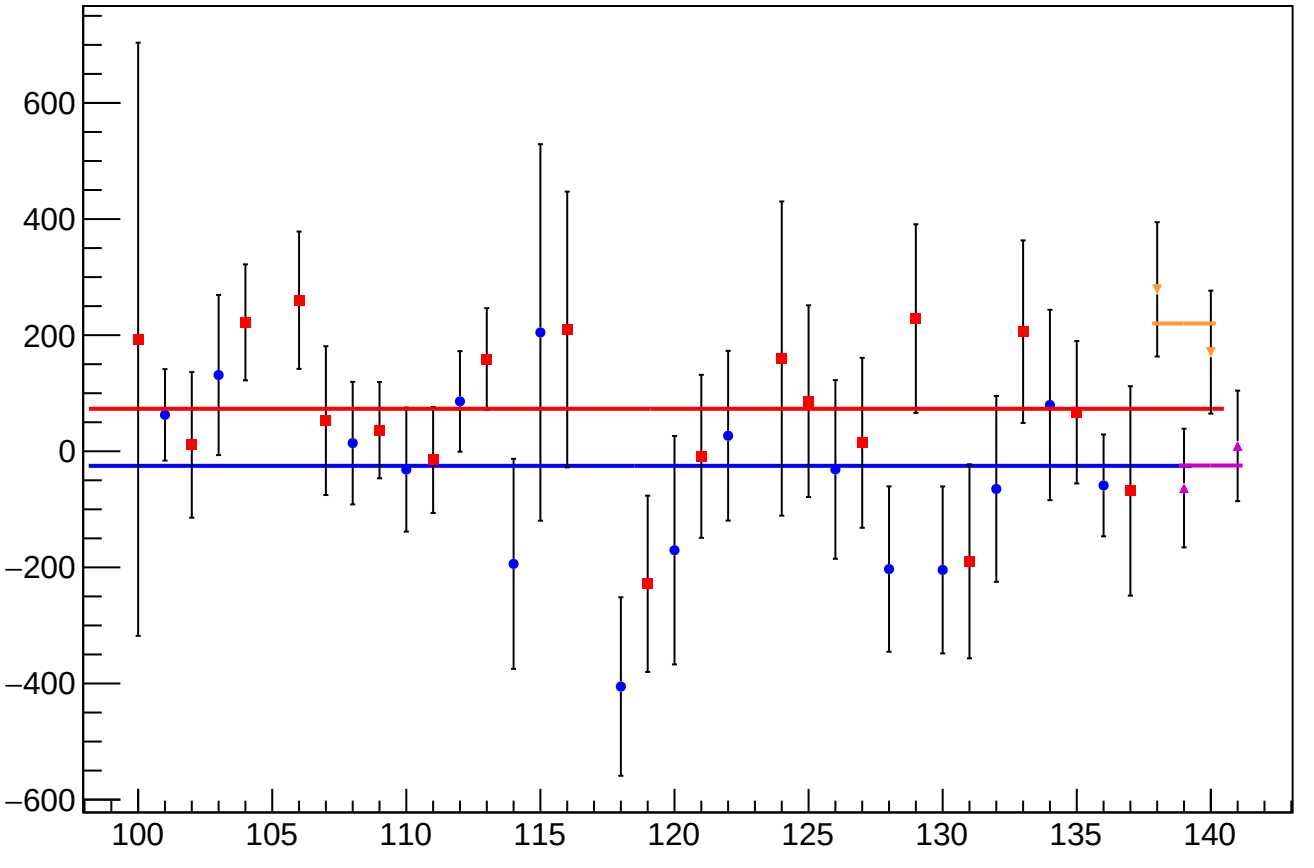
Left: 672.624+/-0.264 χ^2/NDF: 156238.6/3

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 648.398+/-0.163 χ^2/NDF:1942520.1/17

Out: 613.543+/-0.154 χ^2/NDF:2191256.2/20

All: 629.988+/-0.112 χ^2/NDF: 4157939.2/38



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 220.116+/-78.116 χ^2/NDF:0.5/1

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -24.489+/-69.657 χ^2/NDF:0.3/1

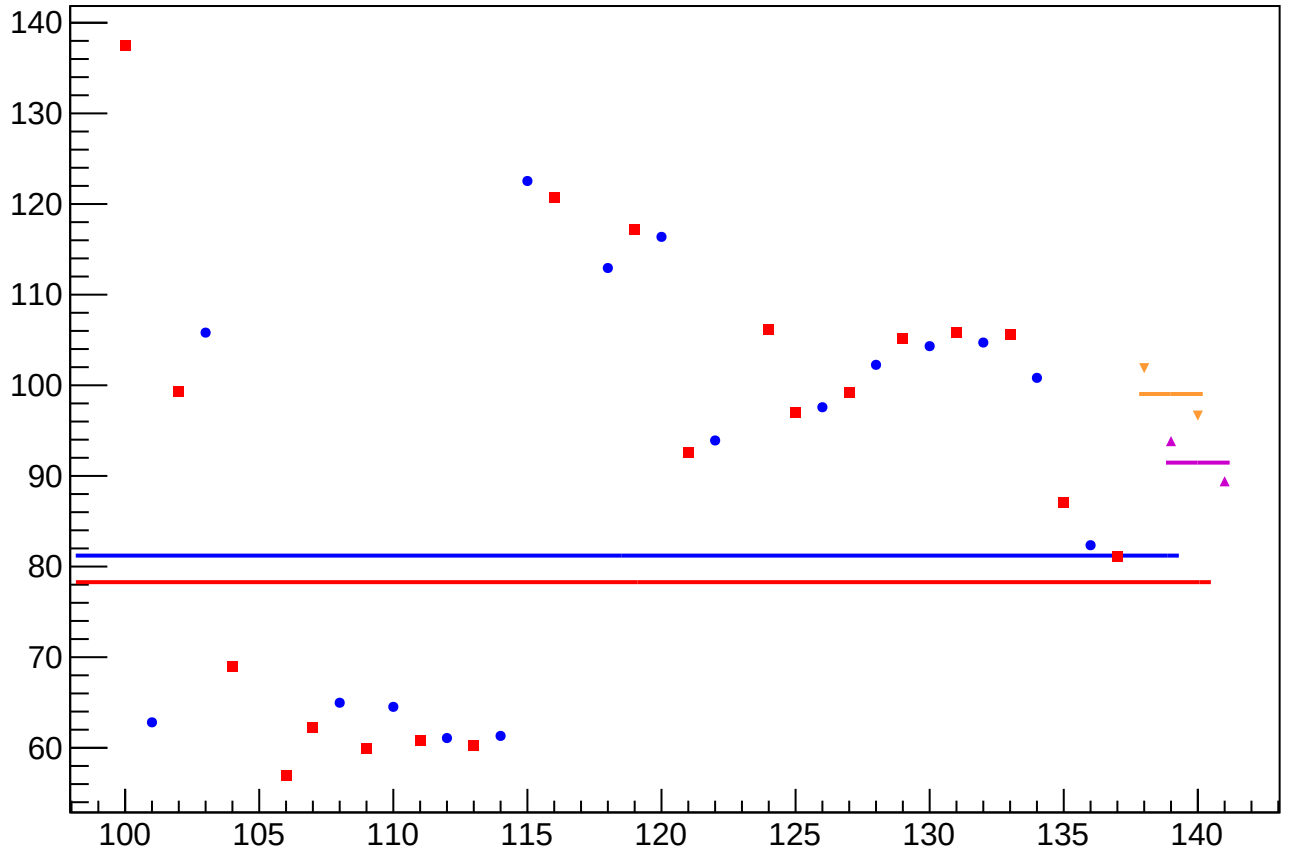
Left: 83.857+/-51.989 χ^2/NDF: 6.2/3

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -24.977+/-28.497 χ^2/NDF:16.5/17

Out: 92.007+/-27.954 χ^2/NDF:20.3/20

All: 34.640+/-19.956 χ^2/NDF: 45.4/38



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.040+/-0.055 χ^2/NDF:2227.1/1

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 91.467+/-0.049 χ^2/NDF:2013.3/1

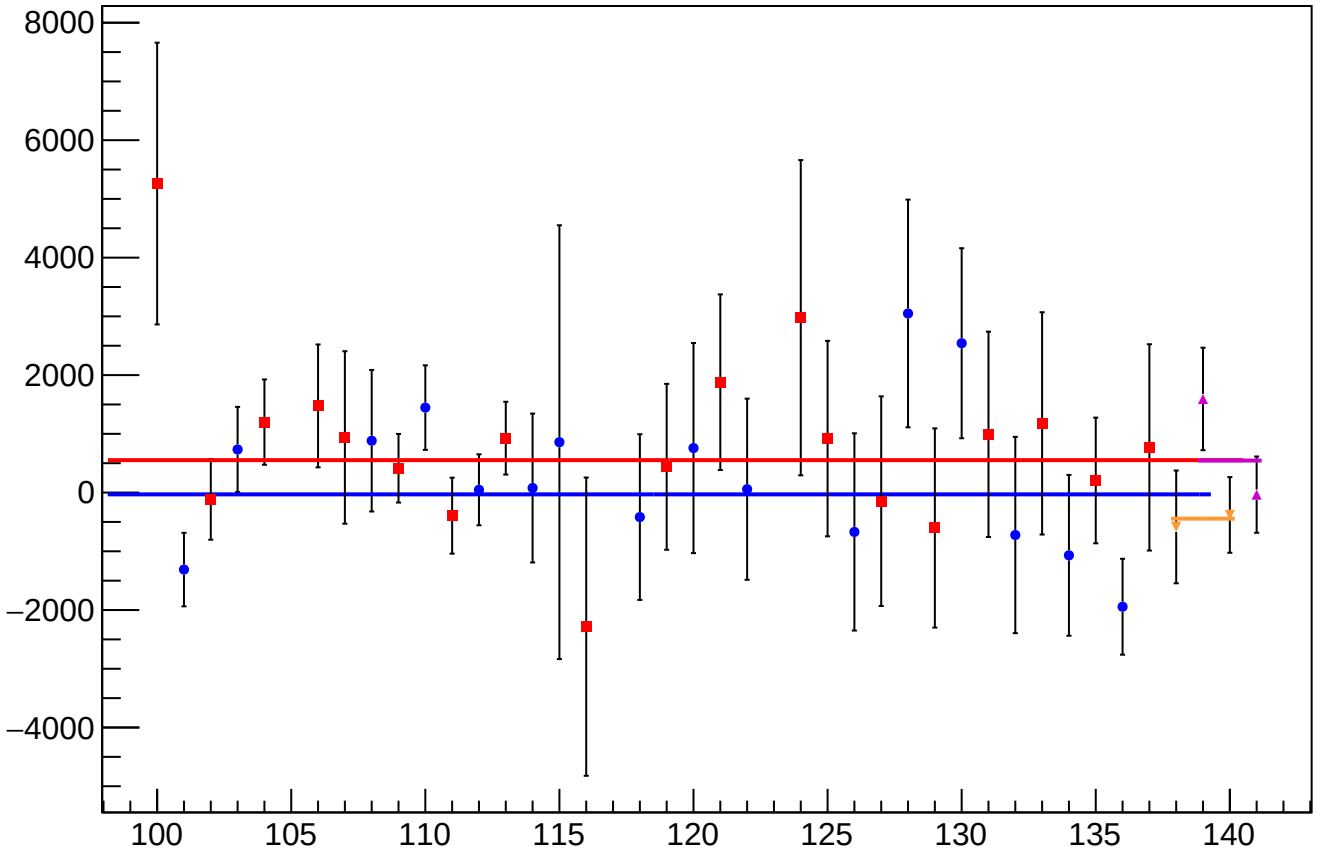
Left: 94.821+/-0.037 χ^2/NDF: 14708.8/3

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 82.926+/-0.020 χ^2/NDF:825806.2/17

Out: 80.938+/-0.020 χ^2/NDF:1062208.2/20

All: 81.913+/-0.014 χ^2/NDF: 1892977.6/38



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -443.927+/-534.750 χ^2/NDF:0.0/1

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 545.114+/-520.818 χ^2/NDF:2.2/1

Left: 63.645+/-373.102 χ^2/NDF: 4.0/3

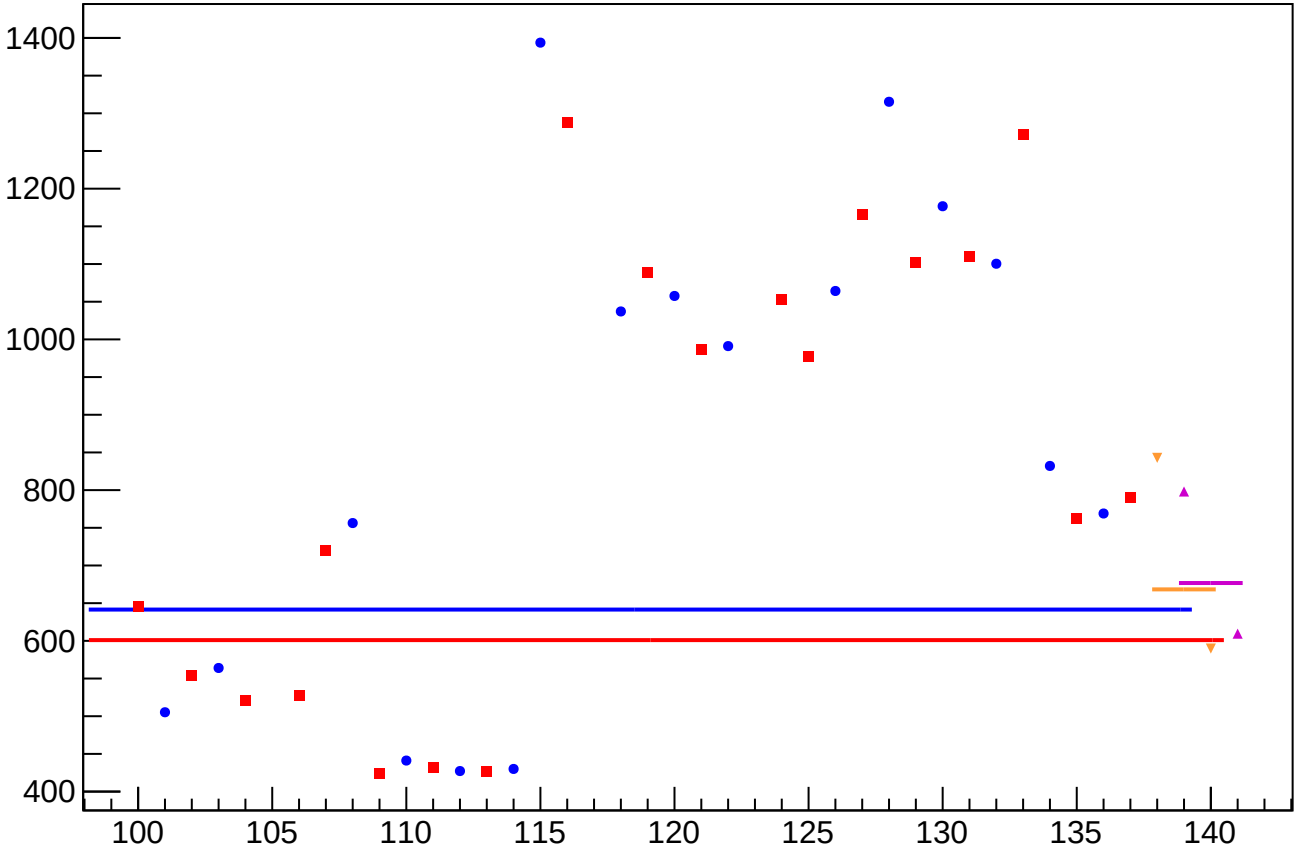
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 82.270+/-230.470 χ^2/NDF:25.1/17

Out: 386.555+/-217.925 χ^2/NDF:15.7/20

All: 242.919+/-158.345 χ^2/NDF: 41.8/38

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 668.291+/-0.378 χ^2/NDF:95815.5/1

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 676.735+/-0.368 χ^2/NDF:60166.1/1

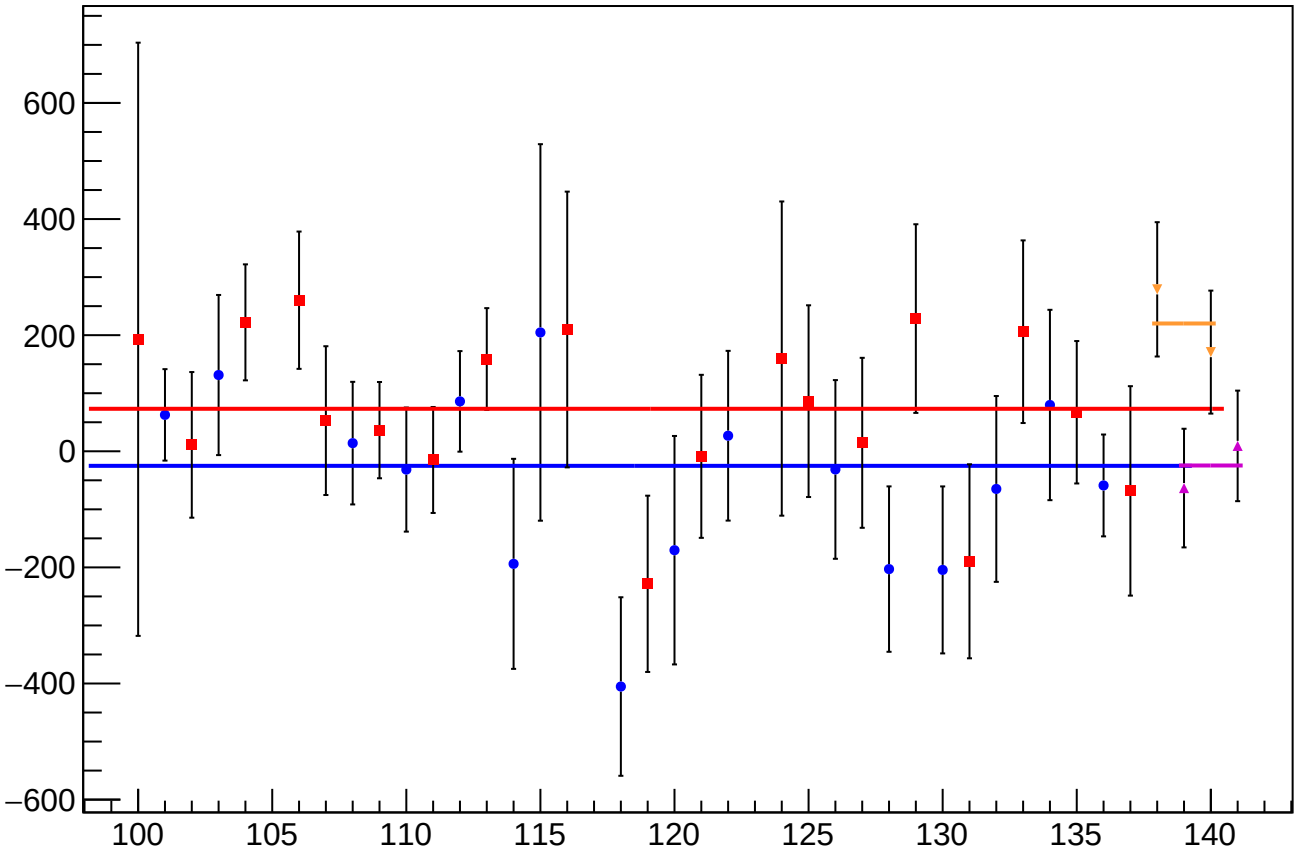
Left: 672.624+/-0.264 χ^2/NDF: 156237.6/3

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 648.406+/-0.163 χ^2/NDF:1942474.6/17

Out: 612.155+/-0.154 χ^2/NDF:2199477.0/20

All: 629.267+/-0.112 χ^2/NDF: 4168075.4/38



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 220.116+/-78.116 χ^2/NDF:0.5/1

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -24.489+/-69.657 χ^2/NDF:0.3/1

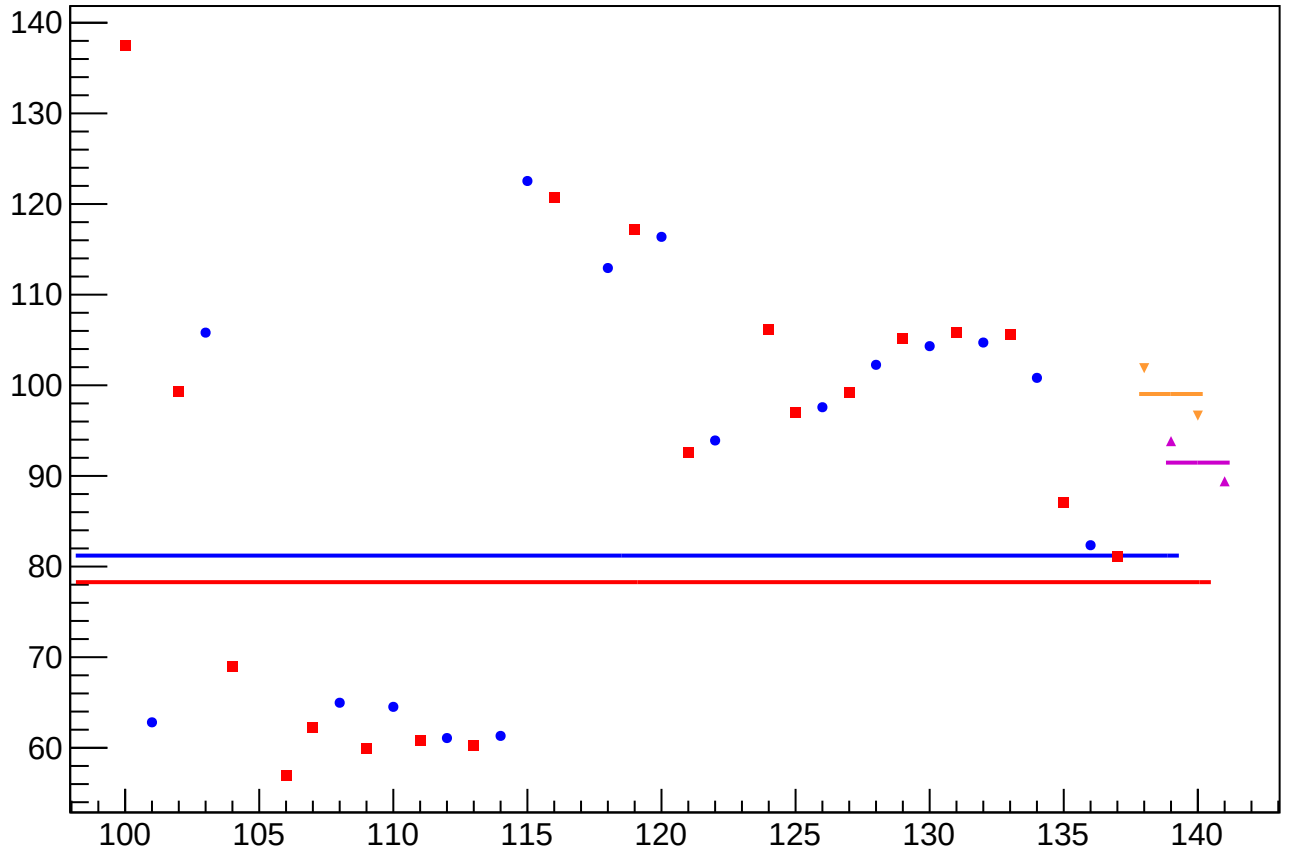
Left: 83.857+/-51.989 χ^2/NDF: 6.2/3

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -24.977+/-28.497 χ^2/NDF:16.5/17

Out: 92.007+/-27.954 χ^2/NDF:20.3/20

All: 34.640+/-19.956 χ^2/NDF: 45.4/38



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 99.040+/-0.055 χ^2/NDF:2227.1/1

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 91.467+/-0.049 χ^2/NDF:2013.3/1

Left: 94.821+/-0.037 χ^2/NDF: 14708.8/3

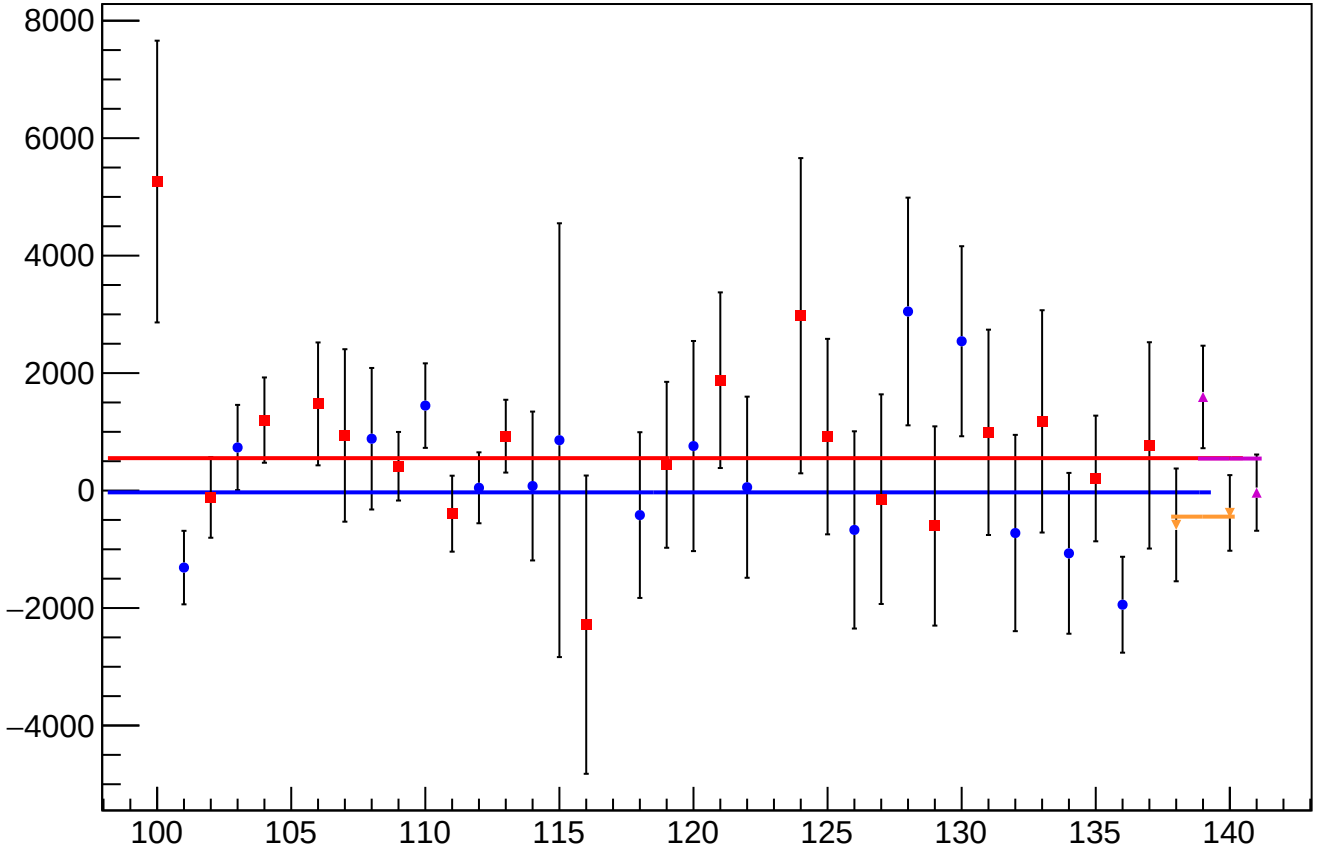
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 82.926+/-0.020 χ^2/NDF:825806.2/17

Out: 80.938+/-0.020 χ^2/NDF:1062208.2/20

All: 81.913+/-0.014 χ^2/NDF: 1892977.6/38

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -443.927+/-534.750 χ^2/NDF:0.0/1

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 545.114+/-520.818 χ^2/NDF:2.2/1

Left: 63.645+/-373.102 χ^2/NDF: 4.0/3

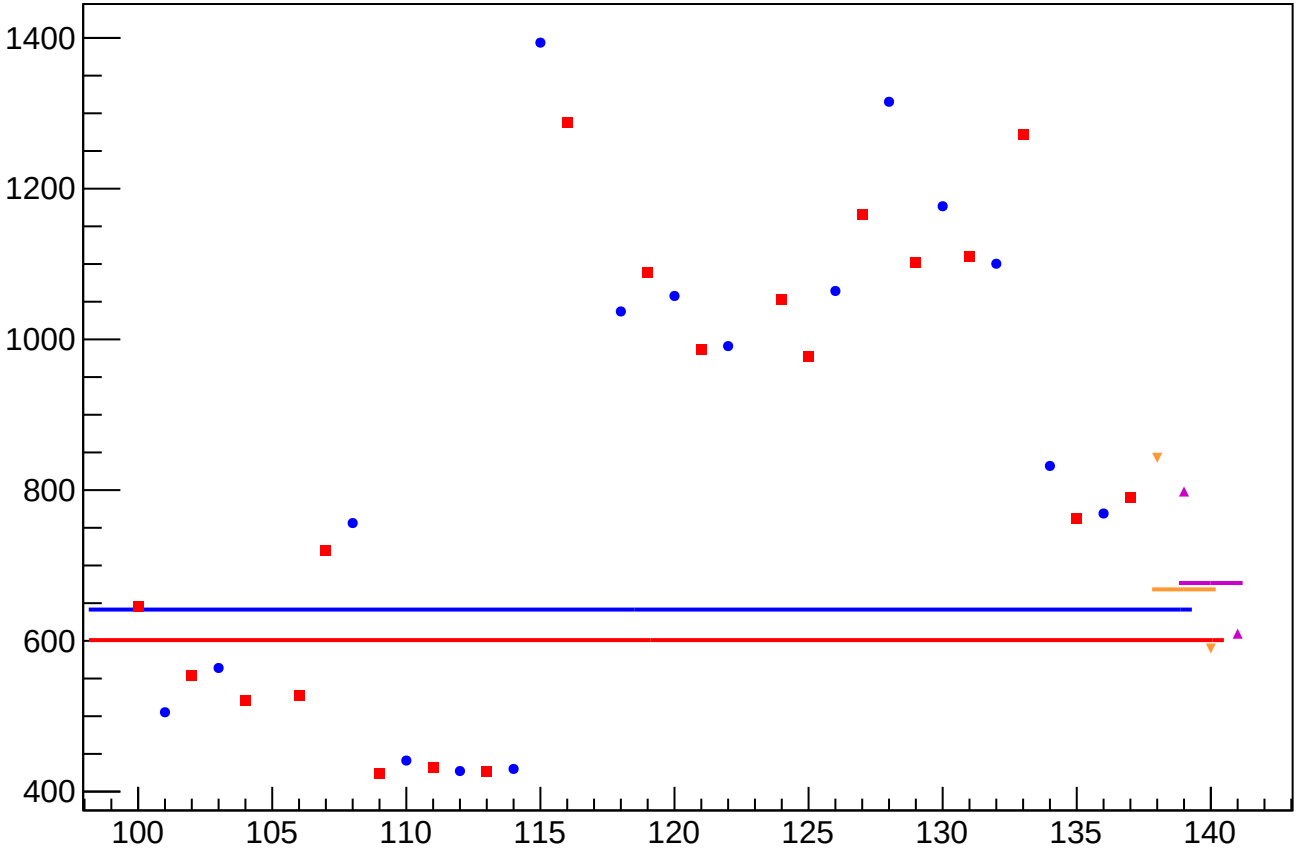
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 82.270+/-230.470 χ^2/NDF:25.1/17

Out: 386.555+/-217.925 χ^2/NDF:15.7/20

All: 242.919+/-158.345 χ^2/NDF: 41.8/38

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 668.291+/-0.378 χ^2/NDF:95815.5/1

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 676.735+/-0.368 χ^2/NDF:60166.1/1

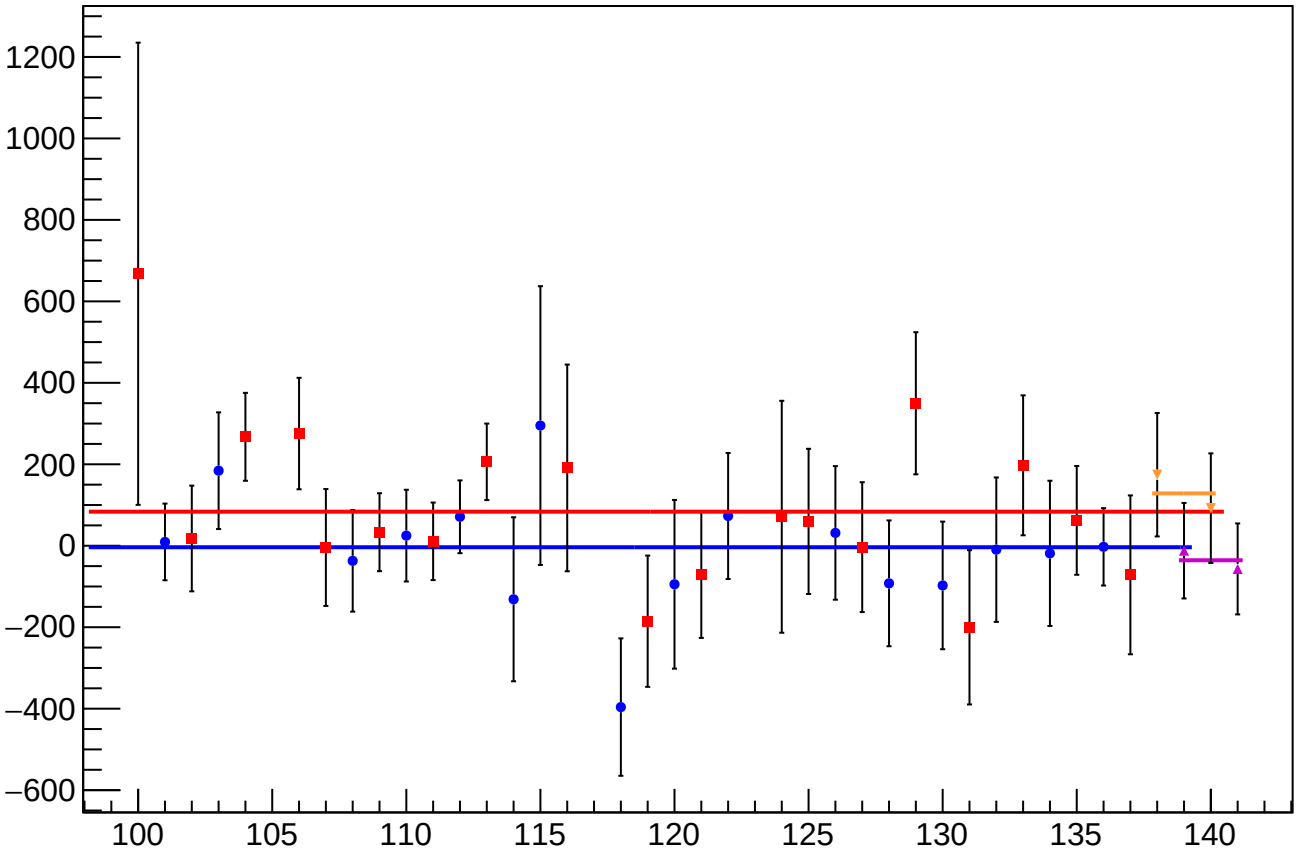
Left: 672.624+/-0.264 χ^2/NDF: 156237.6/3

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 648.406+/-0.163 χ^2/NDF:1942474.6/17

Out: 612.155+/-0.154 χ^2/NDF:2199477.0/20

All: 629.267+/-0.112 χ^2/NDF: 4168075.4/38



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 128.508+/-100.611 χ^2/NDF:0.2/1

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: -35.594+/-80.873 χ^2/NDF:0.1/1

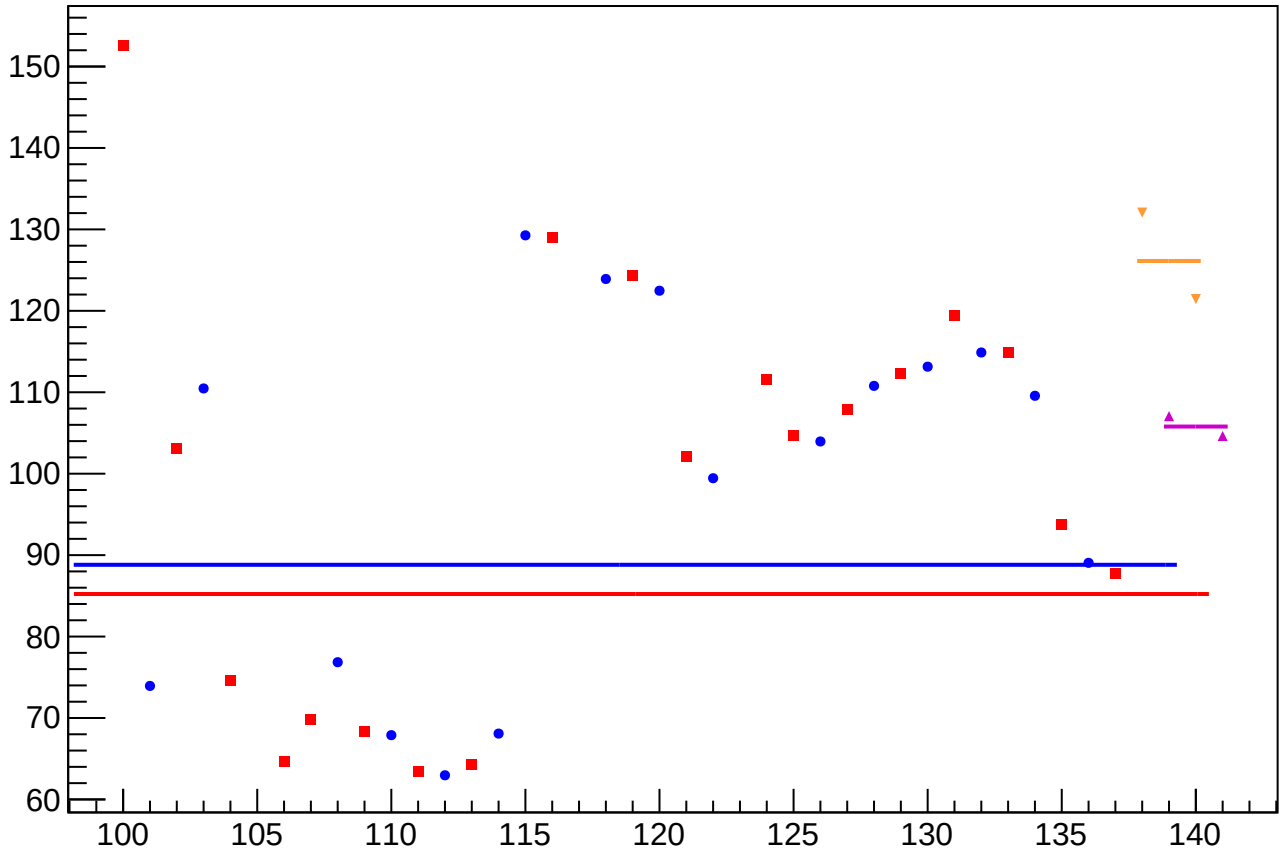
Left: 28.817+/-63.034 χ^2/NDF: 1.9/3

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: -8.472+/-31.462 χ^2/NDF:10.5/17

Out: 87.944+/-31.041 χ^2/NDF:19.4/20

All: 40.386+/-22.096 χ^2/NDF: 34.7/38



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 126.121+/-0.071 χ^2/NDF:5493.6/1

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 105.790+/-0.057 χ^2/NDF:453.2/1

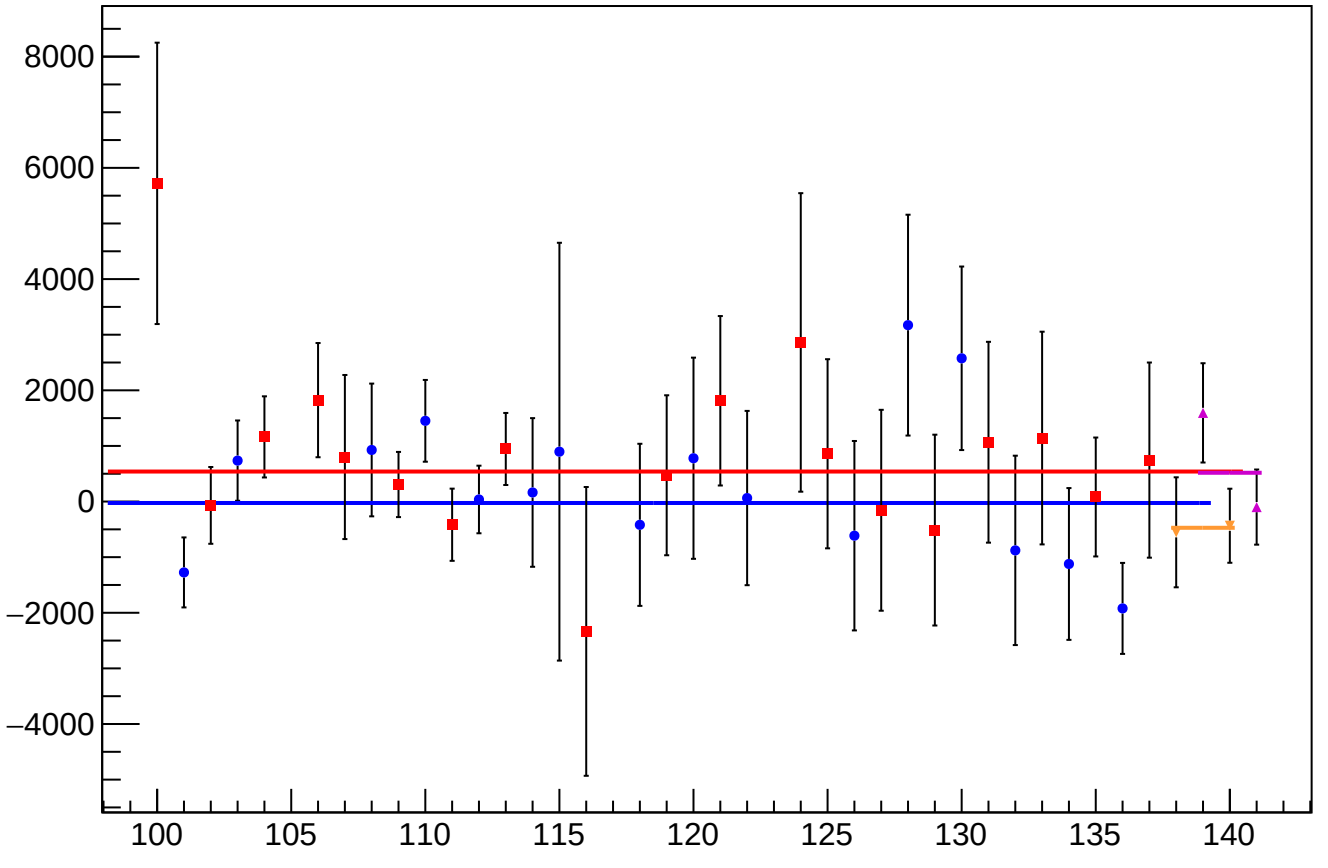
Left: 113.770+/-0.045 χ^2/NDF: 55558.4/3

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 91.383+/-0.022 χ^2/NDF:799854.6/17

Out: 89.117+/-0.022 χ^2/NDF:1188554.8/20

All: 90.235+/-0.016 χ^2/NDF: 1993663.5/38



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -471.819+/-552.330 χ^2/NDF:0.0/1

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 517.420+/-538.679 χ^2/NDF:2.3/1

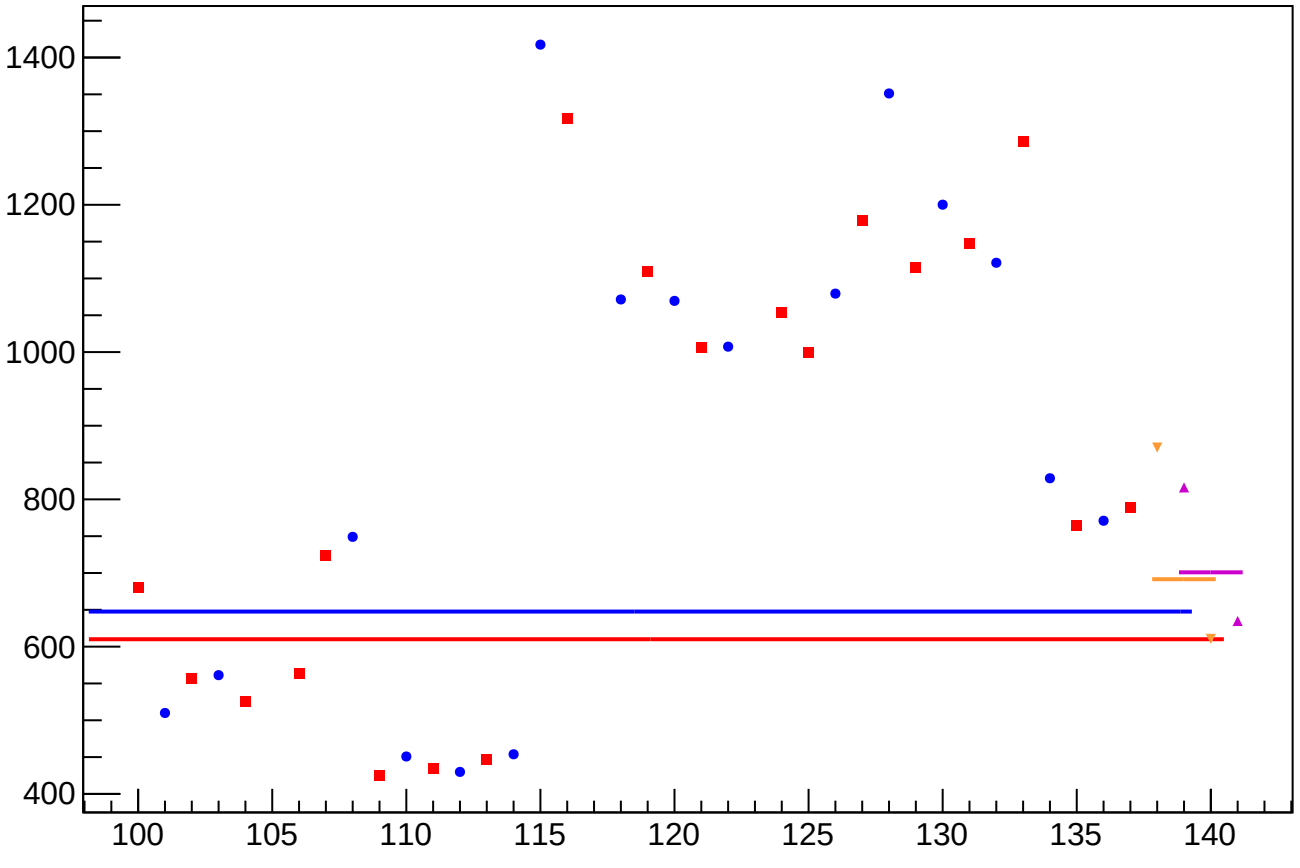
Left: 35.177+/-385.639 χ^2/NDF: 3.9/3

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 76.480+/-233.715 χ^2/NDF:24.7/17

Out: 377.598+/-221.072 χ^2/NDF:16.5/20

All: 235.403+/-160.605 χ^2/NDF: 42.0/38



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 691.565+/-0.391 χ^2/NDF:94978.4/1

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 700.913+/-0.381 χ^2/NDF:52503.9/1

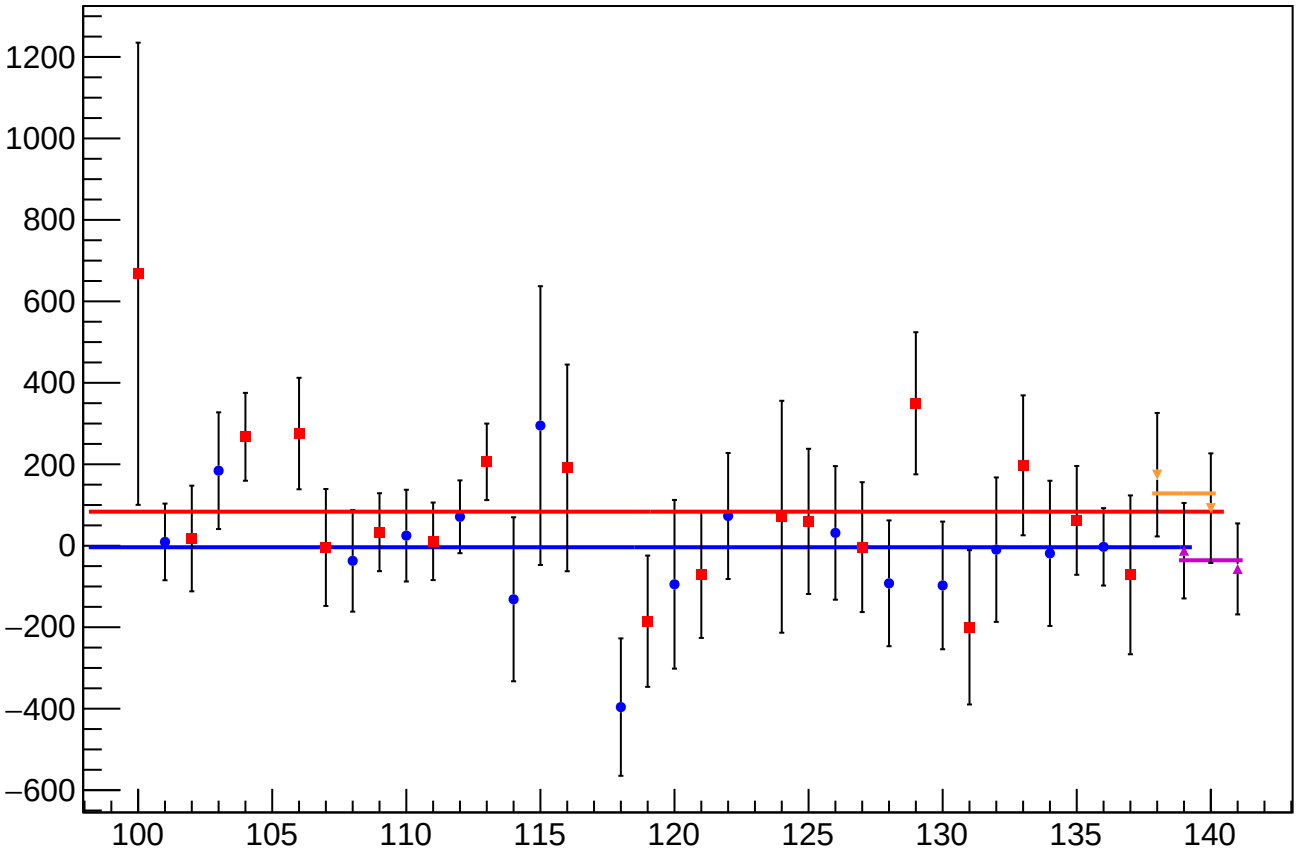
Left: 696.356+/-0.273 χ^2/NDF: 147775.9/3

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 657.669+/-0.165 χ^2/NDF:1956197.8/17

Out: 623.118+/-0.156 χ^2/NDF:2205800.3/20

All: 639.433+/-0.114 χ^2/NDF: 4185066.8/38



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 128.510+/-100.611 χ^2/NDF:0.2/1

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: -35.594+/-80.873 χ^2/NDF:0.1/1

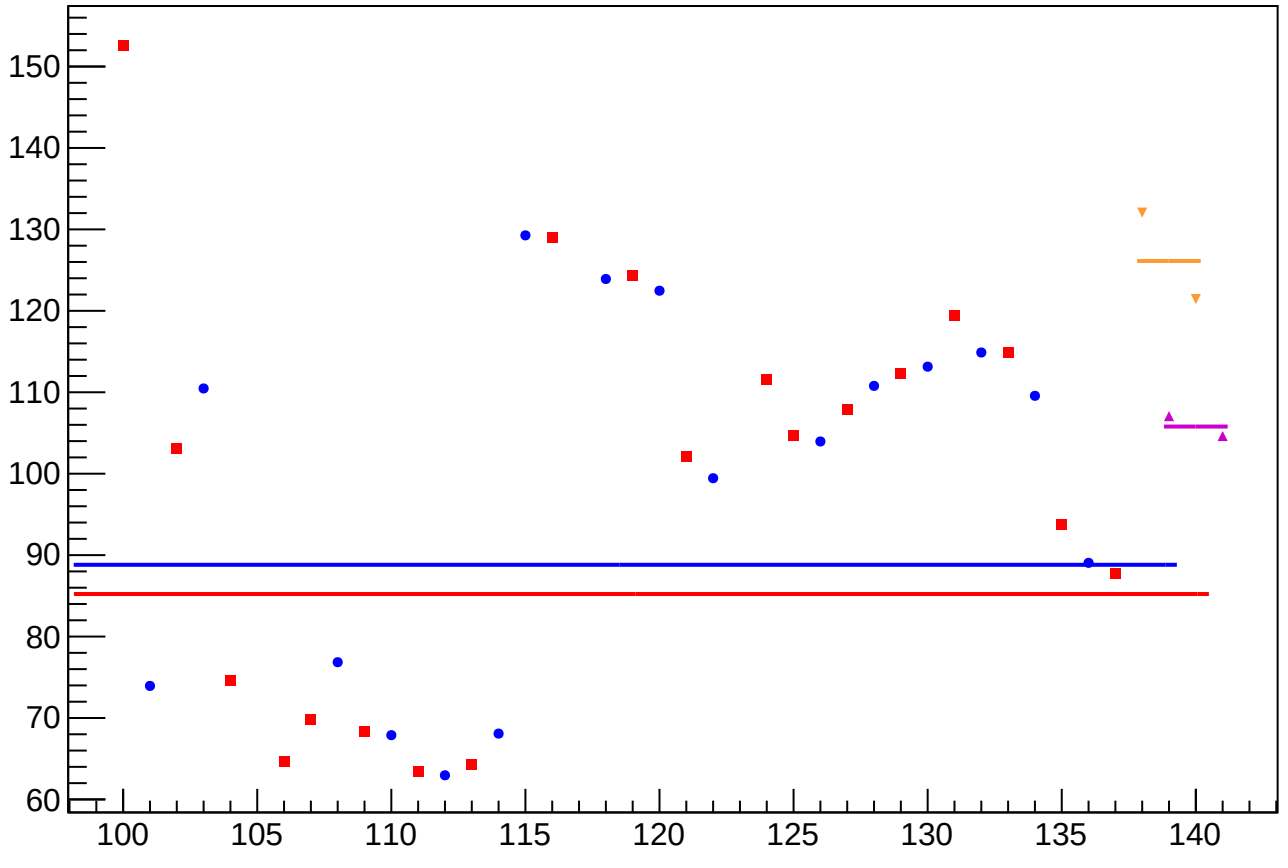
Left: 28.818+/-63.034 χ^2/NDF: 1.9/3

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: -8.470+/-31.462 χ^2/NDF:10.5/17

Out: 87.944+/-31.041 χ^2/NDF:19.4/20

All: 40.386+/-22.096 χ^2/NDF: 34.7/38



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 126.121+/-0.071 χ^2/NDF:5493.2/1

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 105.790+/-0.057 χ^2/NDF:453.1/1

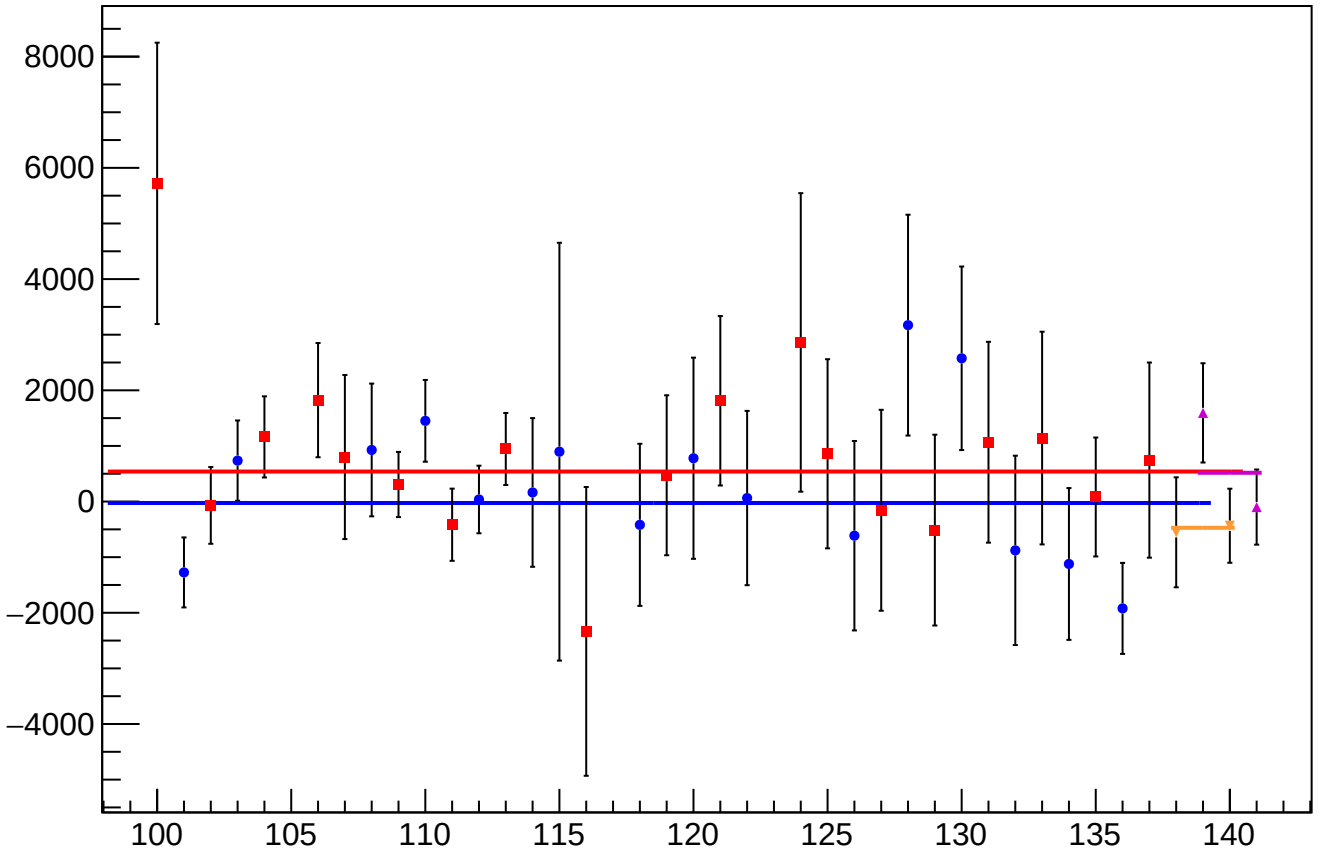
Left: 113.770+/-0.045 χ^2/NDF: 55557.9/3

Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 91.383+/-0.022 χ^2/NDF:799856.0/17

Out: 89.117+/-0.022 χ^2/NDF:1188559.4/20

All: 90.235+/-0.016 χ^2/NDF: 1993669.6/38



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -471.818+/-552.330 χ^2/NDF:0.0/1

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 517.421+/-538.678 χ^2/NDF:2.3/1

Left: 35.177+/-385.639 χ^2/NDF: 3.9/3

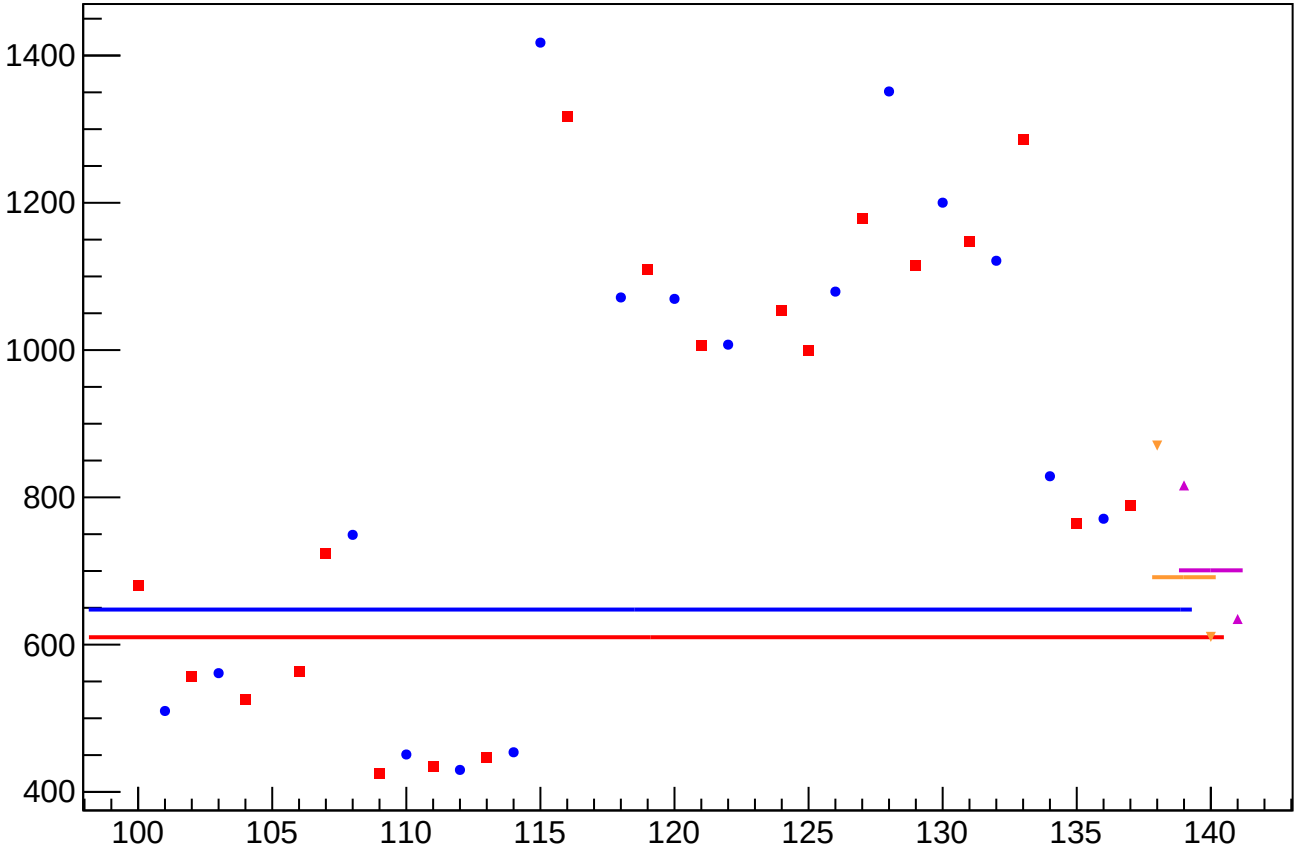
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 76.480+/-233.714 χ^2/NDF:24.7/17

Out: 377.597+/-221.072 χ^2/NDF:16.5/20

All: 235.403+/-160.605 χ^2/NDF: 42.0/38

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 691.564+/-0.391 χ^2/NDF:94978.4/1

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 700.912+/-0.381 χ^2/NDF:52504.1/1

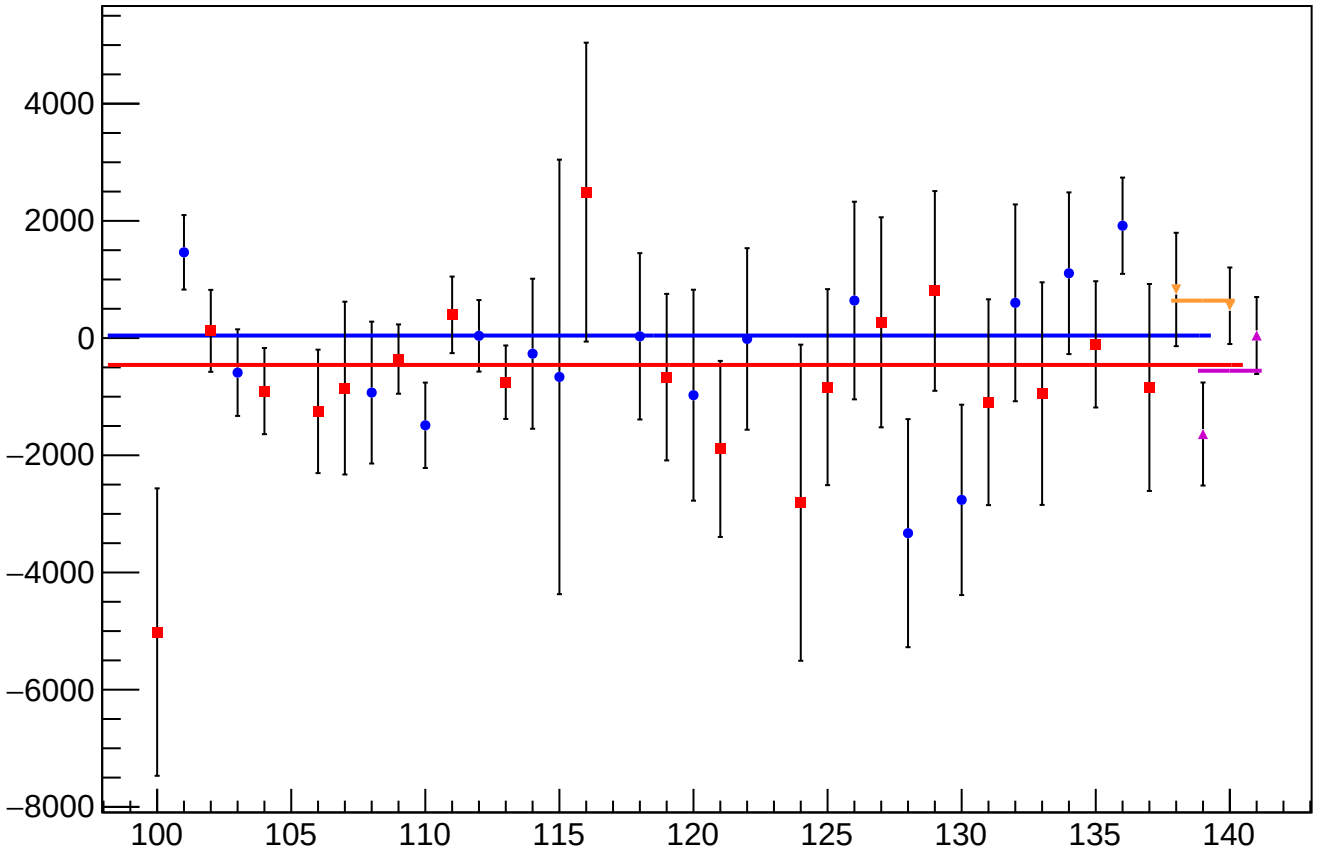
Left: 696.355+/-0.273 χ^2/NDF: 147776.0/3

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 657.668+/-0.165 χ^2/NDF:1956202.9/17

Out: 623.117+/-0.156 χ^2/NDF:2205803.2/20

All: 639.433+/-0.114 χ^2/NDF: 4185074.8/38



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 638.565+/-541.107 χ^2/NDF:0.1/1

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -557.490+/-525.774 χ^2/NDF:2.4/1

Left: 23.351+/-377.083 χ^2/NDF: 4.9/3

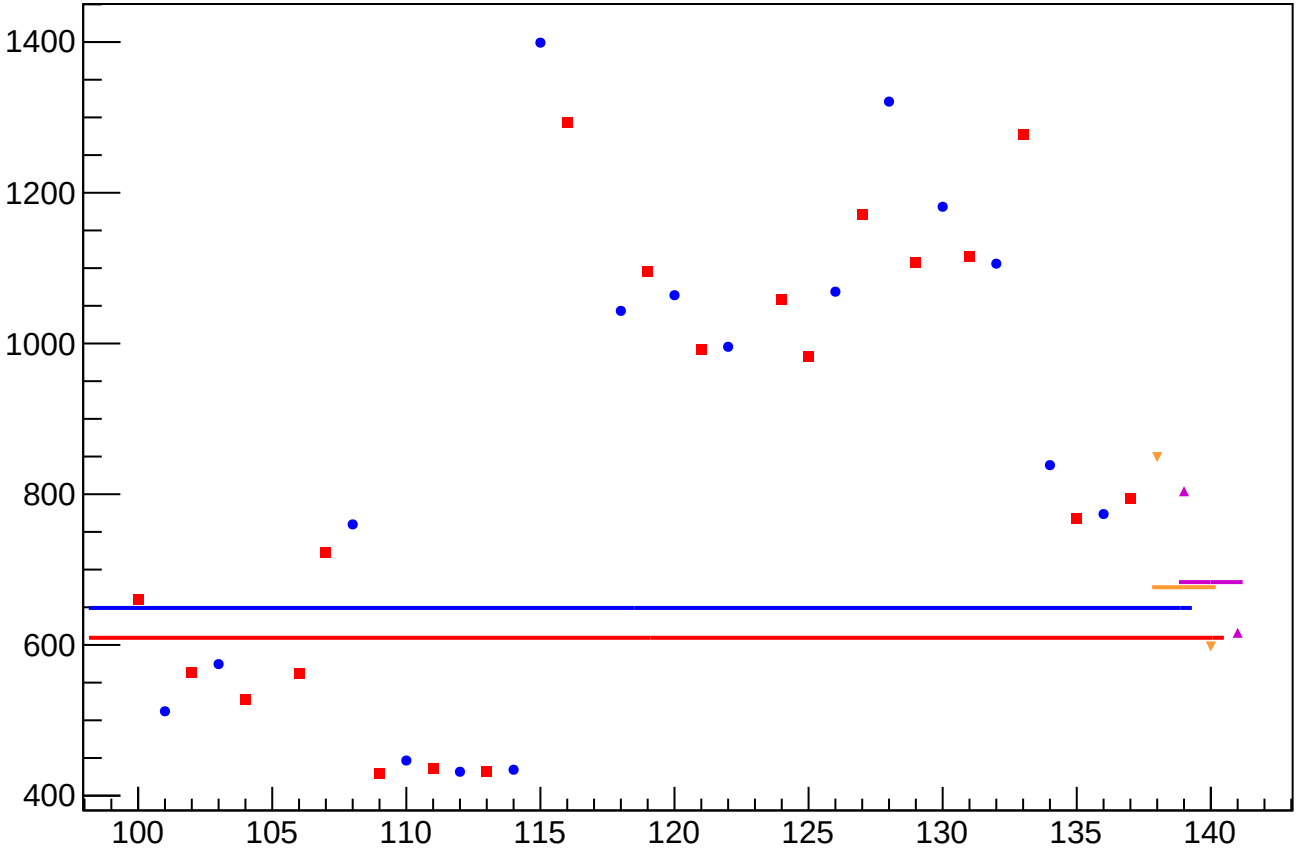
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -74.719+/-232.914 χ^2/NDF:26.6/17

Out: -276.430+/-220.241 χ^2/NDF:14.7/20

All: -181.211+/-160.027 χ^2/NDF: 41.8/38

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 676.609+/-0.383 χ^2/NDF:92689.1/1

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 683.385+/-0.372 χ^2/NDF:58636.1/1

Left: 680.094+/-0.267 χ^2/NDF: 151486.5/3

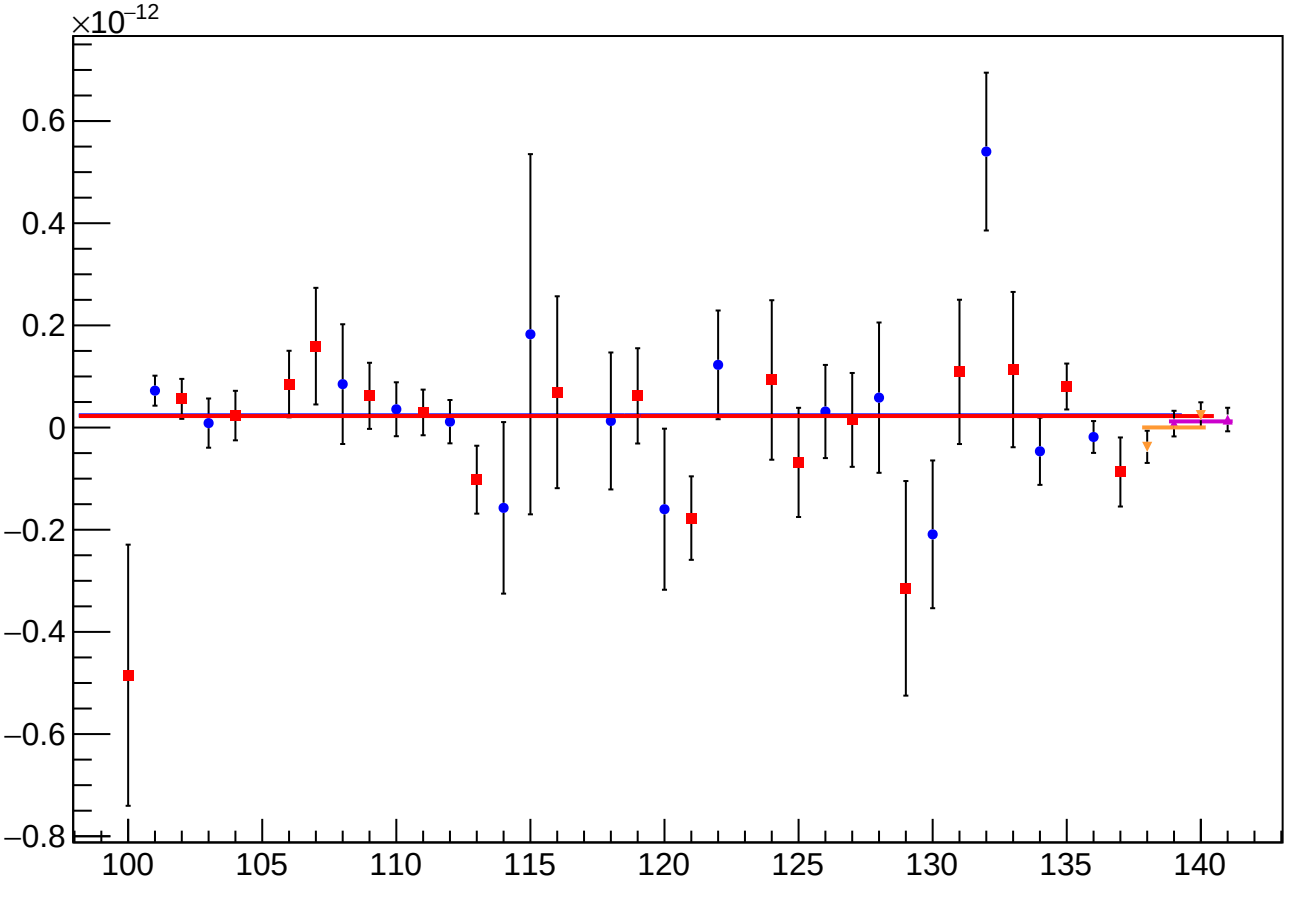
Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 655.821+/-0.165 χ^2/NDF:1911290.9/17

Out: 620.631+/-0.156 χ^2/NDF:2161934.2/20

All: 637.243+/-0.113 χ^2/NDF: 4097327.0/38

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

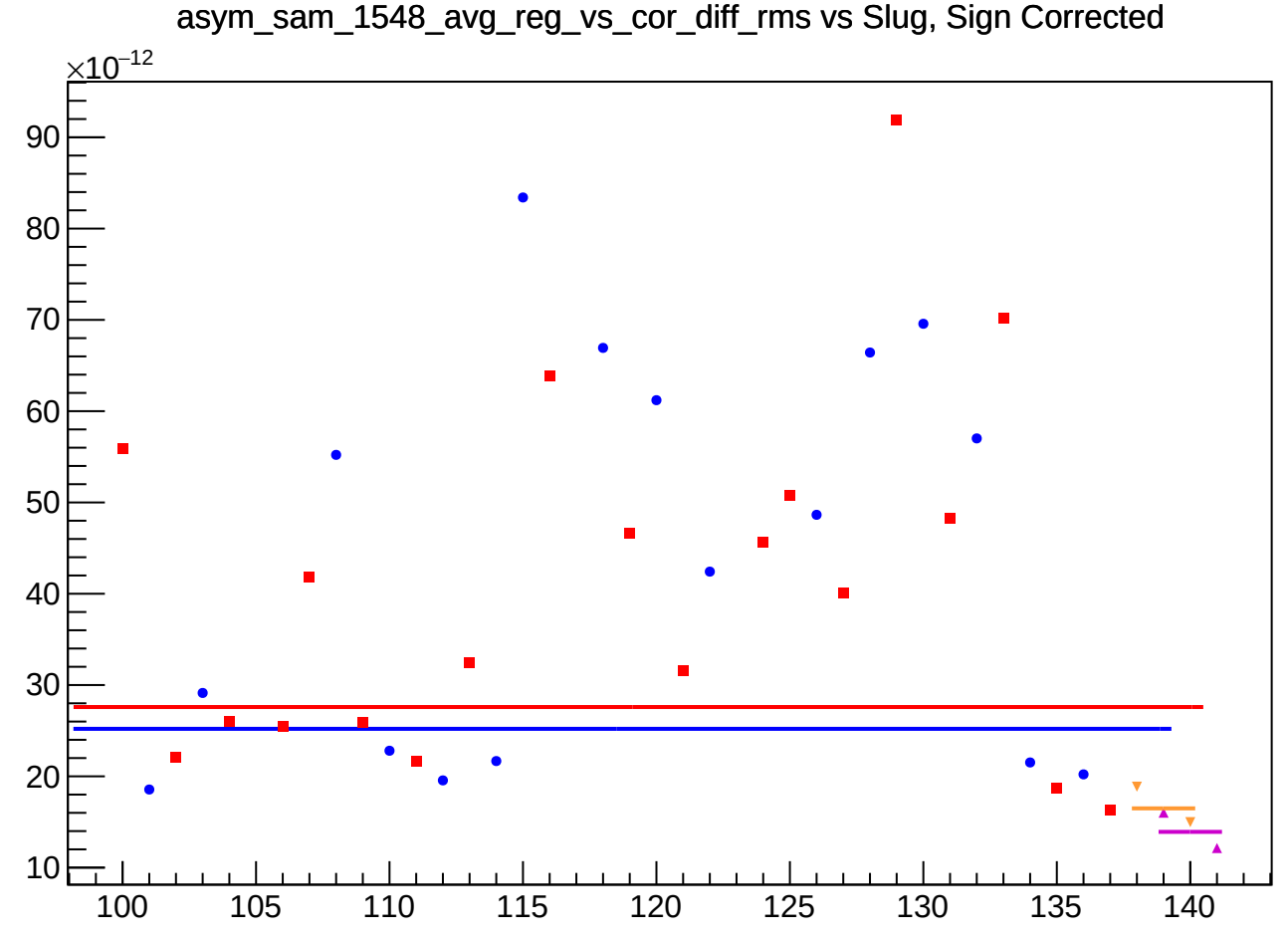
Left: 0.000+/-0.000 χ^2/NDF: 2.6/3

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:24.0/17

Out: 0.000+/-0.000 χ^2/NDF:28.8/20

All: 0.000+/-0.000 χ^2/NDF: 52.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18597.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:25841.3/1

Left: 0.000+/-0.000 χ^2/NDF: 64091.6/3

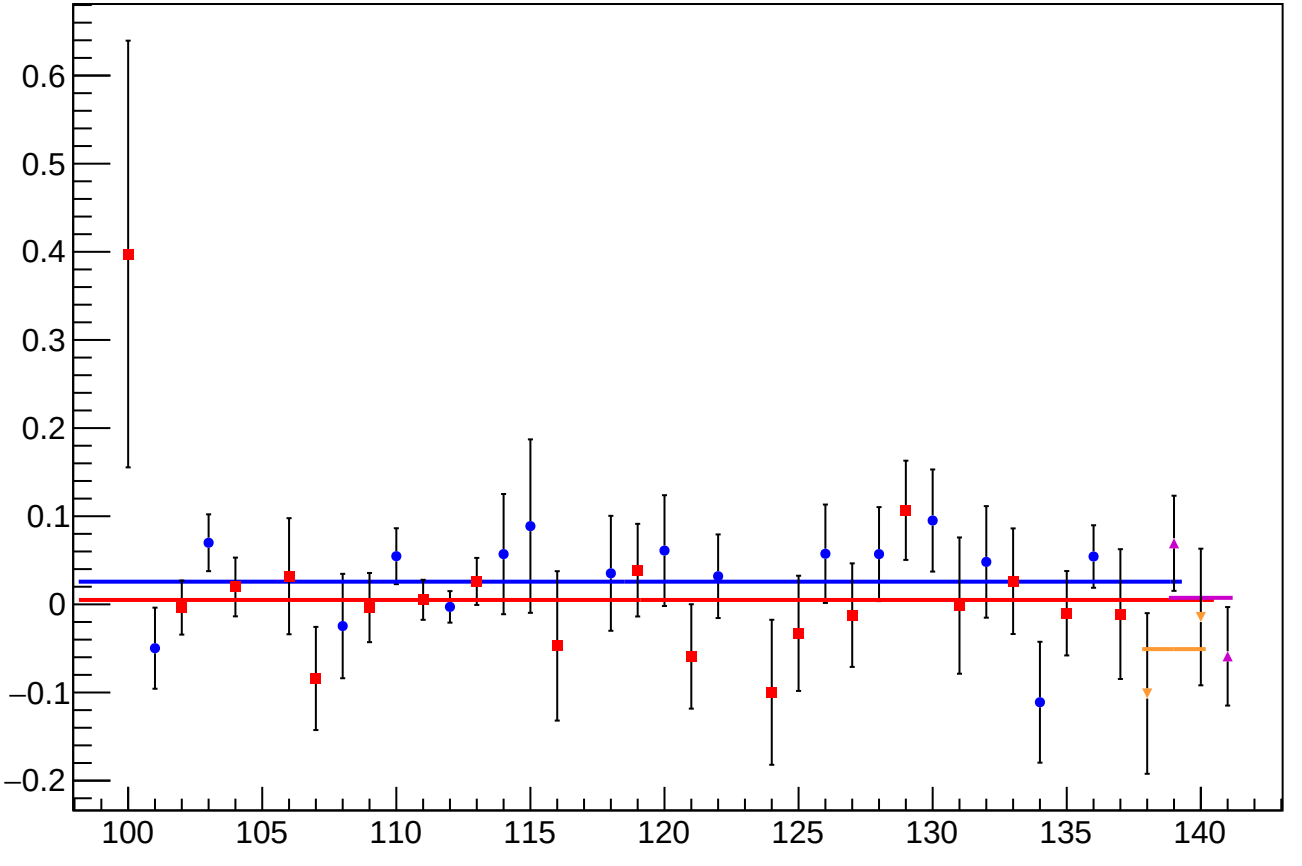
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:1828678.0/17

Out: 0.000+/-0.000 χ^2/NDF:1384593.0/20

All: 0.000+/-0.000 χ^2/NDF: 3271056.0/38

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.051+/-0.059 χ^2/NDF:0.5/1

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.039 χ^2/NDF:2.7/1

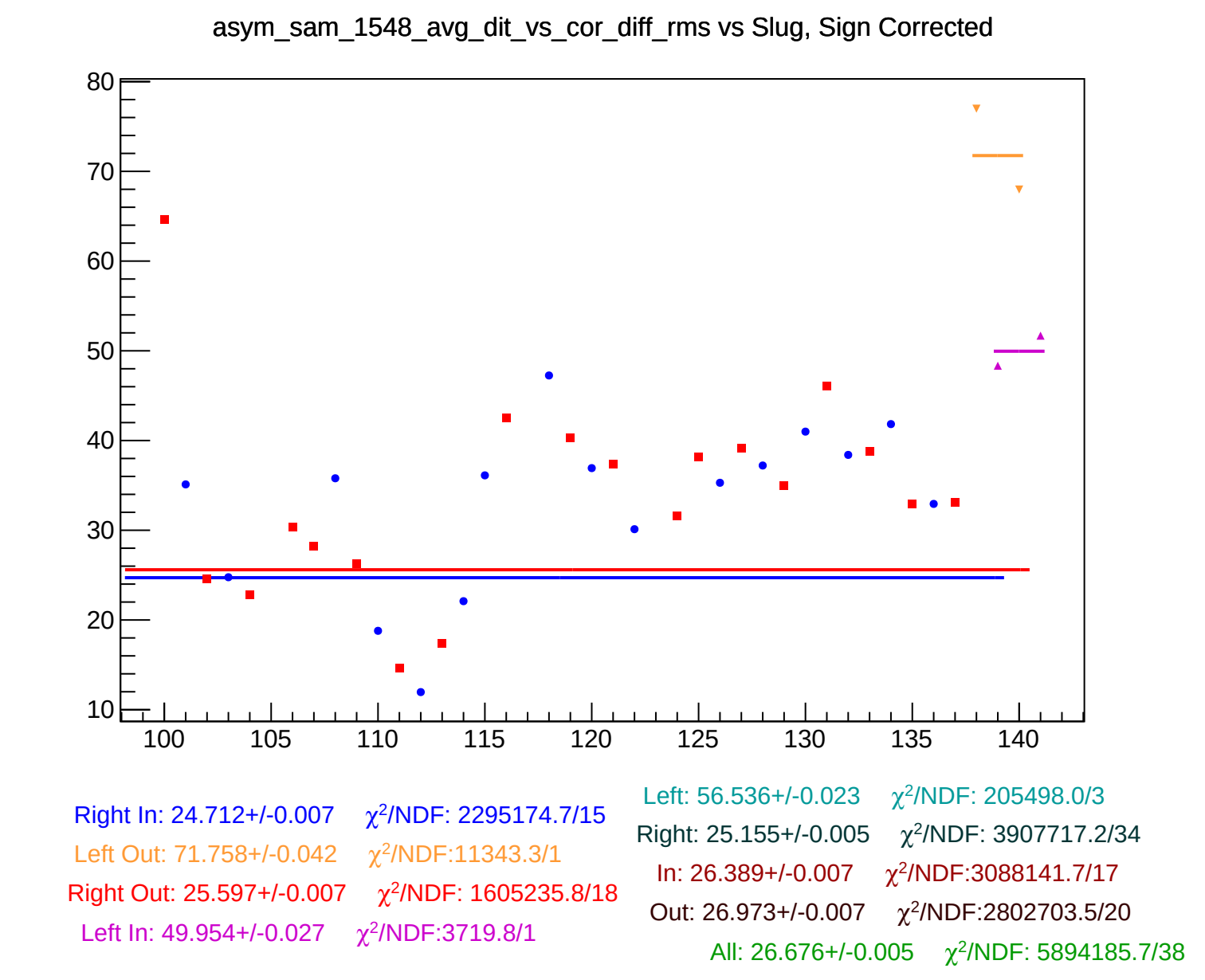
Left: -0.010+/-0.032 χ^2/NDF: 3.9/3

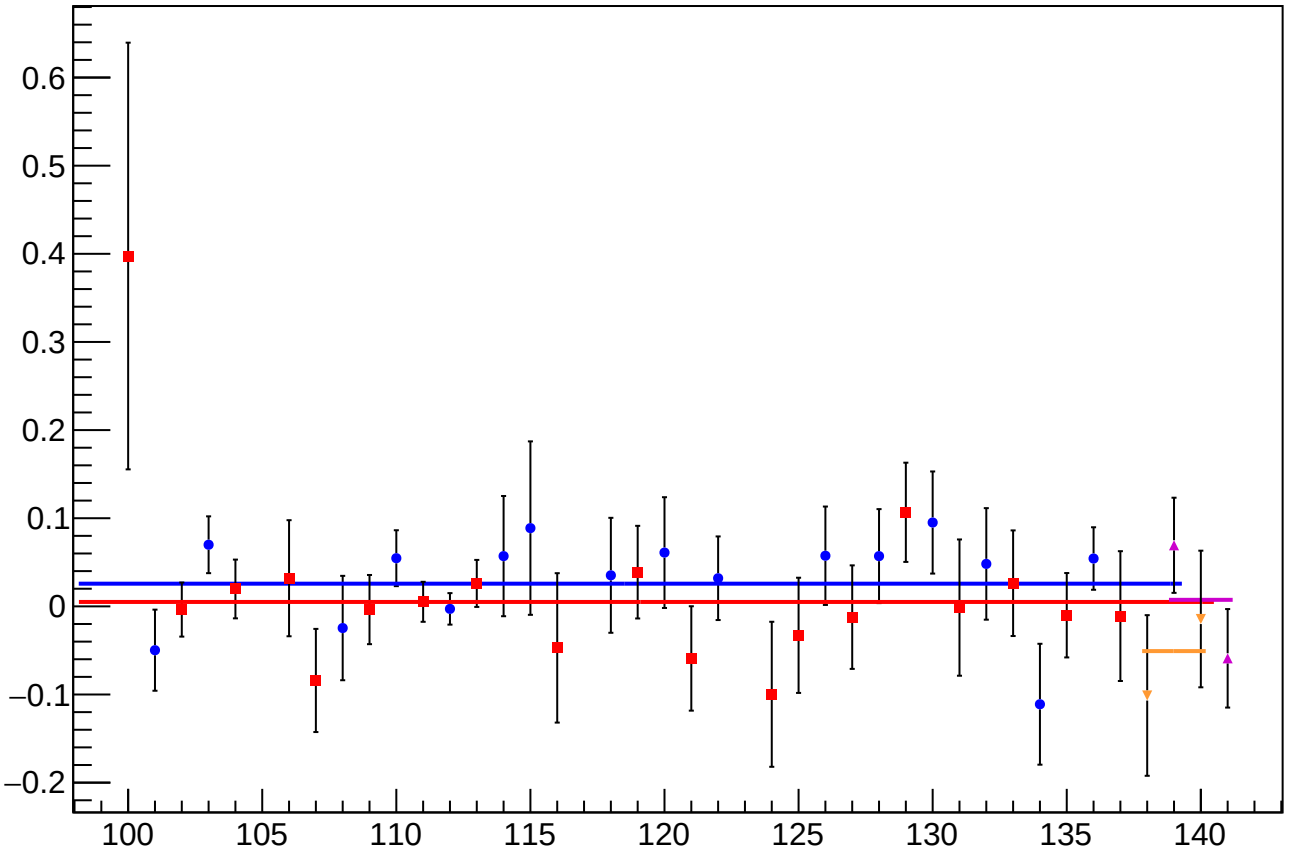
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/17

Out: 0.003+/-0.010 χ^2/NDF:15.0/20

All: 0.014+/-0.007 χ^2/NDF: 36.6/38


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 71.758+/-0.042 χ²/NDF:11343.3/1
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 49.954+/-0.027 χ²/NDF:3719.8/1
Left: 56.536+/-0.023 χ²/NDF: 205498.0/3
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 26.389+/-0.007 χ²/NDF:3088141.7/17
Out: 26.973+/-0.007 χ²/NDF:2802703.5/20
All: 26.676+/-0.005 χ²/NDF: 5894185.7/38



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.051+/-0.059 χ^2/NDF:0.5/1

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.039 χ^2/NDF:2.7/1

Left: -0.010+/-0.032 χ^2/NDF: 3.9/3

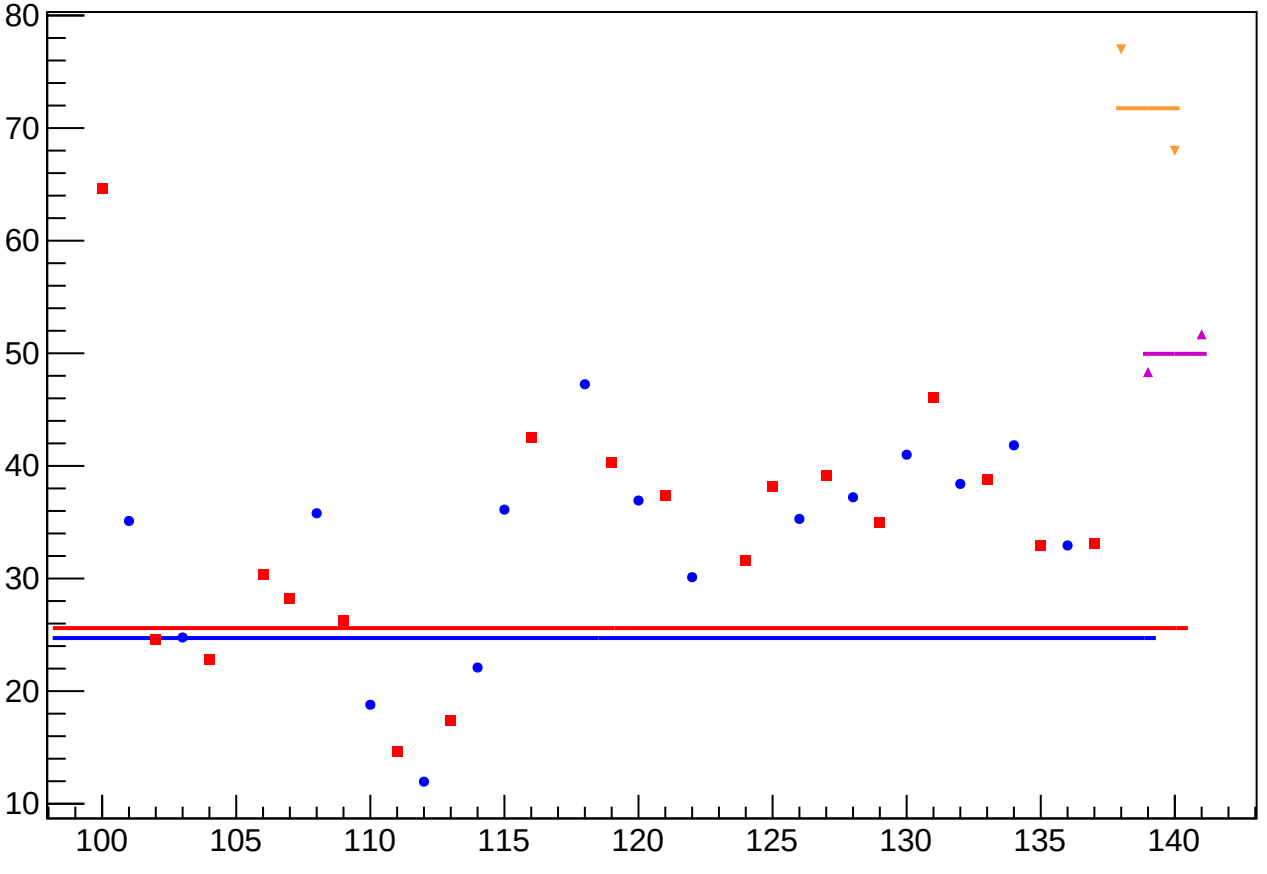
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/17

Out: 0.003+/-0.010 χ^2/NDF:15.0/20

All: 0.014+/-0.007 χ^2/NDF: 36.6/38

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 71.758+/-0.042 χ^2/NDF:11343.3/1

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 49.954+/-0.027 χ^2/NDF:3719.8/1

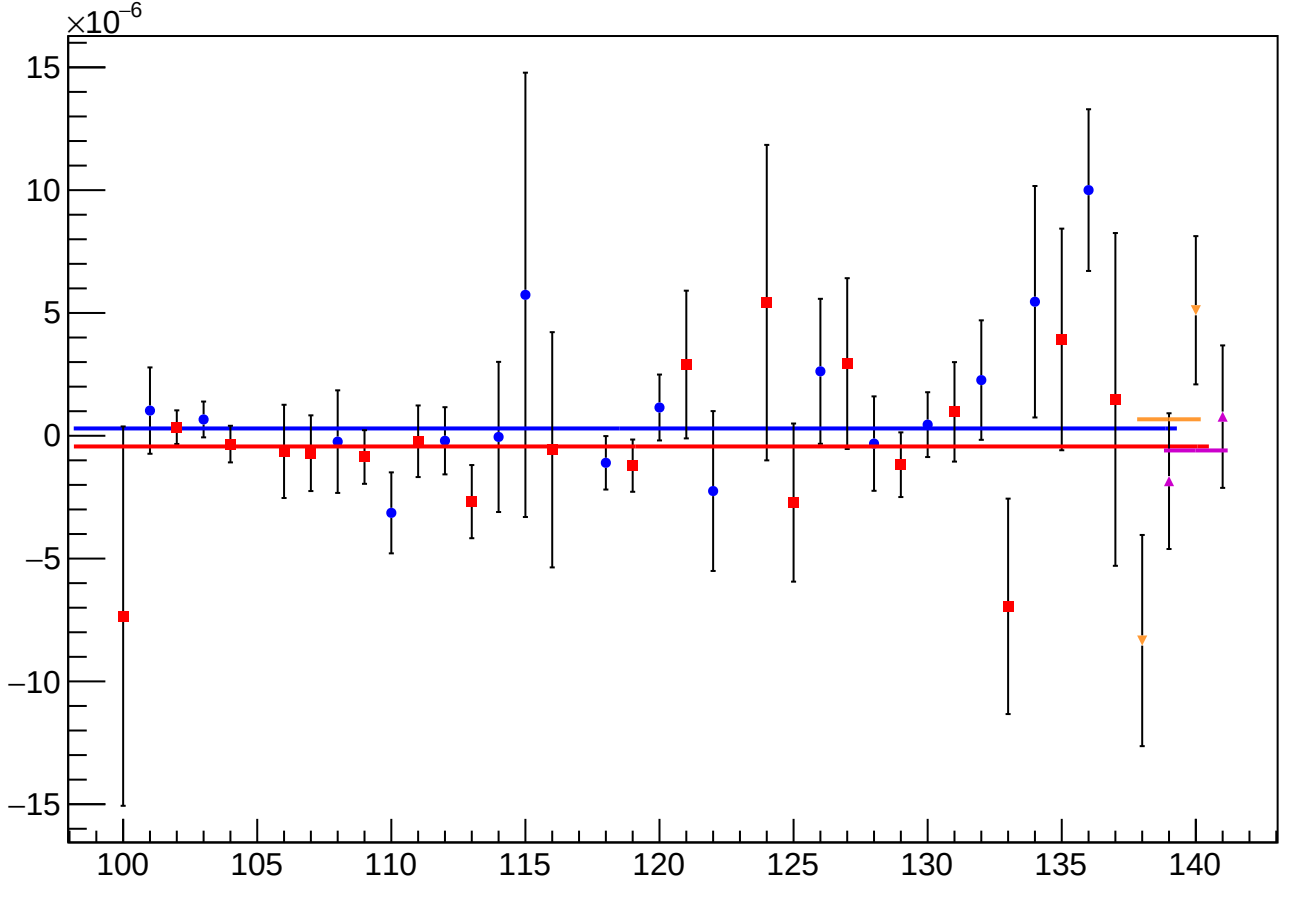
Left: 56.536+/-0.023 χ^2/NDF: 205498.0/3

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 26.389+/-0.007 χ^2/NDF:3088141.7/17

Out: 26.973+/-0.007 χ^2/NDF:2802703.5/20

All: 26.676+/-0.005 χ^2/NDF: 5894185.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

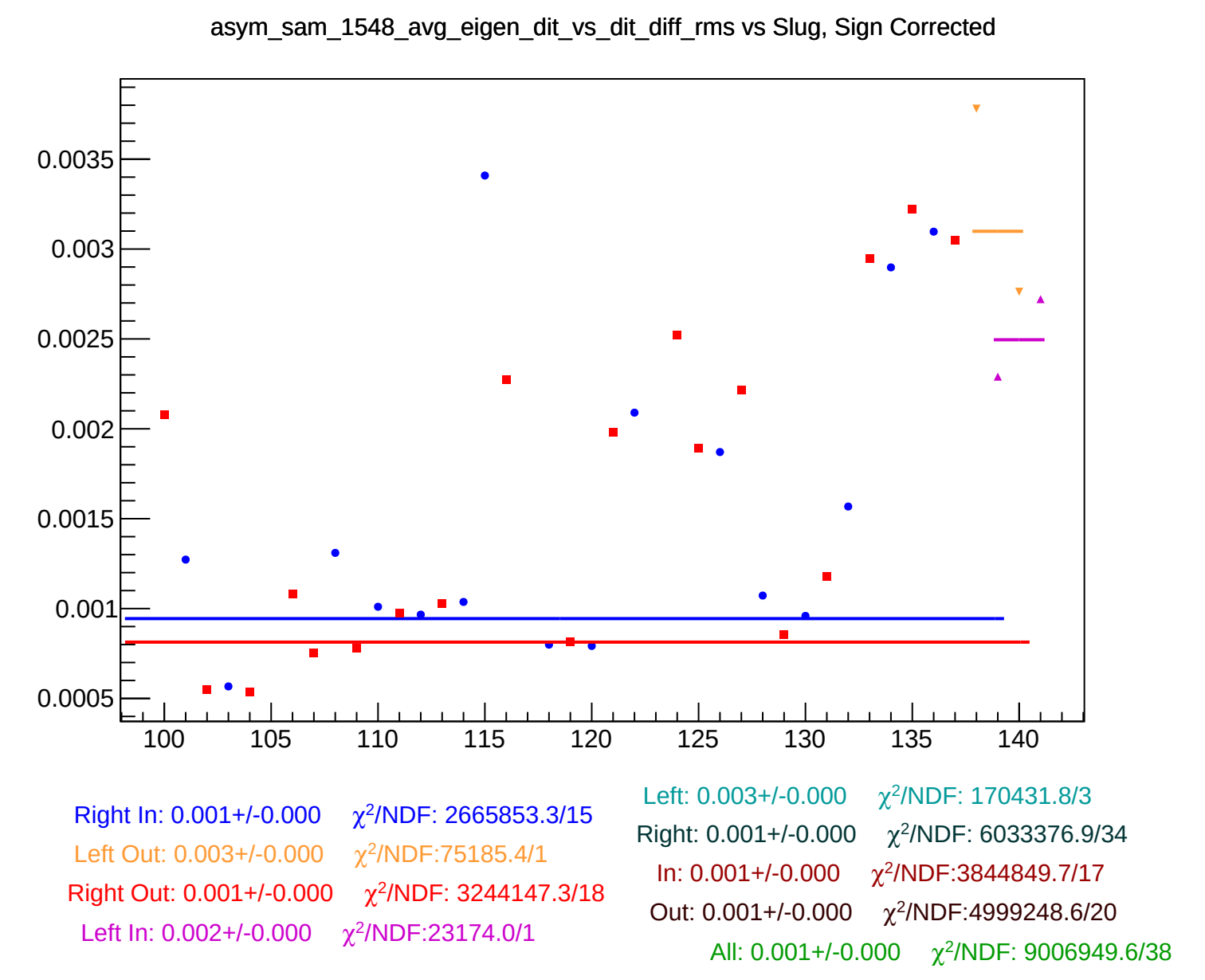
Left: -0.000+/-0.000 χ^2/NDF: 7.1/3

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

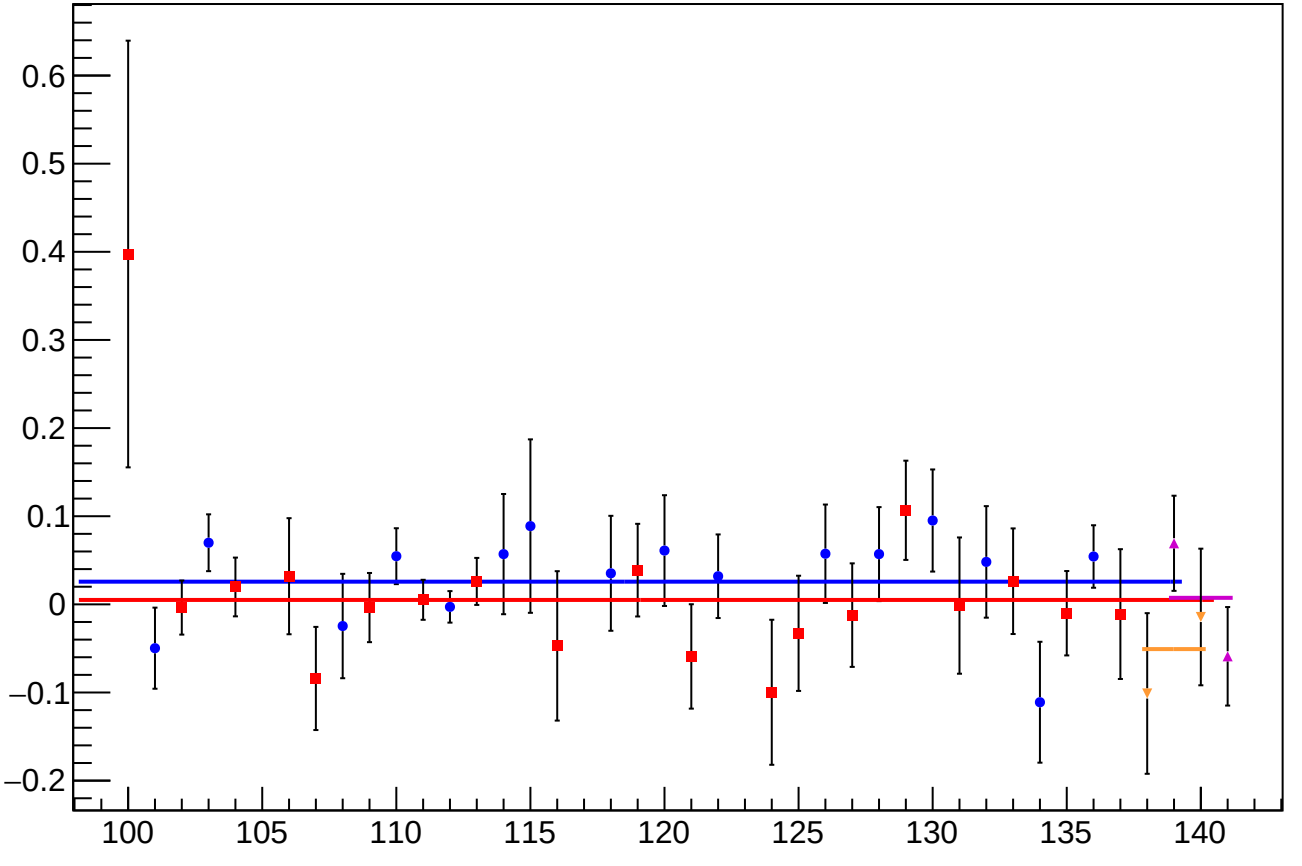
In: 0.000+/-0.000 χ^2/NDF:19.9/17

Out: -0.000+/-0.000 χ^2/NDF:19.4/20

All: -0.000+/-0.000 χ^2/NDF: 41.1/38


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.003+/-0.000 χ²/NDF:75185.4/1
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:23174.0/1
Left: 0.003+/-0.000 χ²/NDF: 170431.8/3
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:3844849.7/17
Out: 0.001+/-0.000 χ²/NDF:4999248.6/20
All: 0.001+/-0.000 χ²/NDF: 9006949.6/38

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.051+/-0.059 χ^2/NDF:0.5/1

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.039 χ^2/NDF:2.7/1

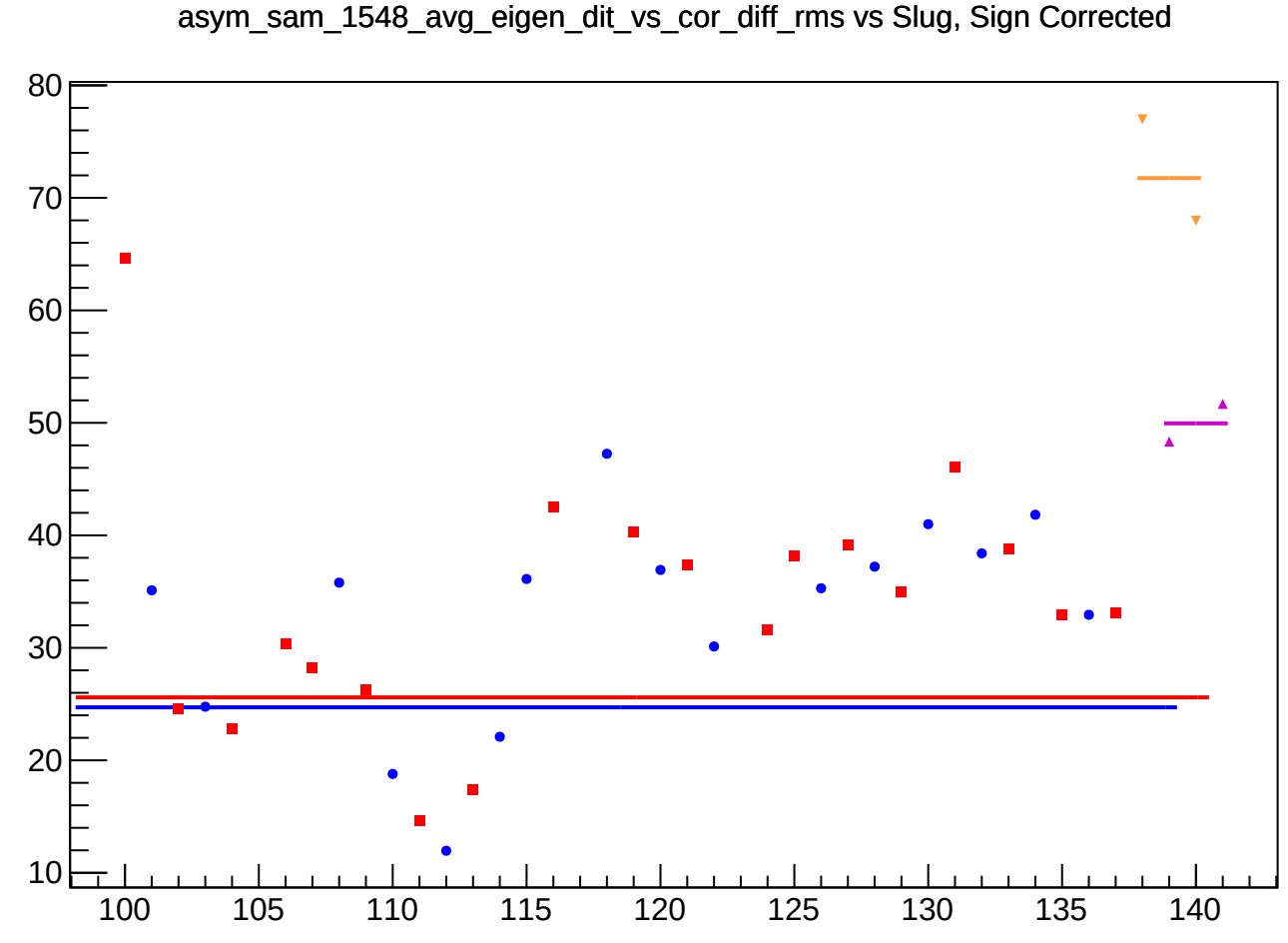
Left: -0.010+/-0.032 χ^2/NDF: 3.9/3

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/17

Out: 0.003+/-0.010 χ^2/NDF:15.0/20

All: 0.014+/-0.007 χ^2/NDF: 36.6/38



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 71.759+/-0.042 χ^2/NDF:11340.9/1

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 49.954+/-0.027 χ^2/NDF:3721.2/1

Left: 56.536+/-0.023 χ^2/NDF: 205495.6/3

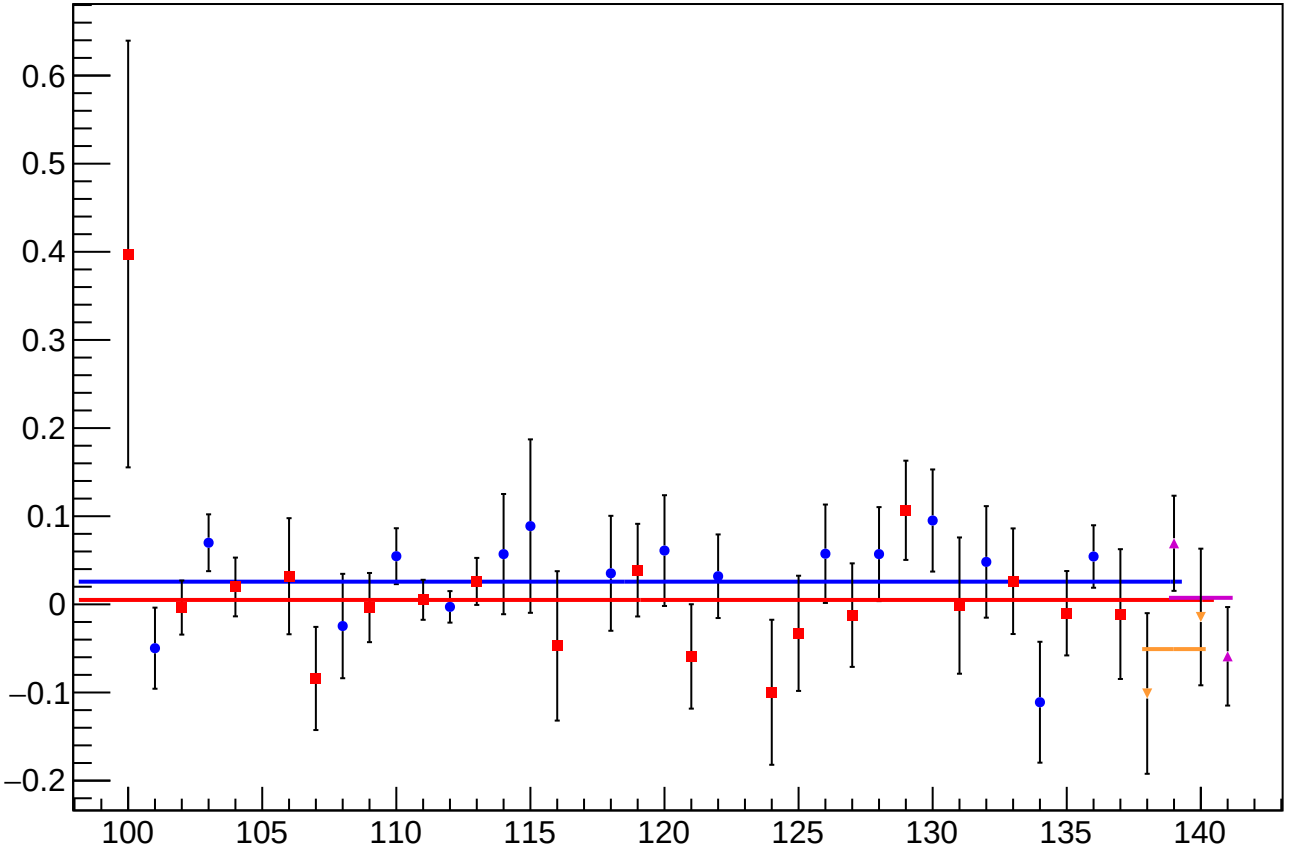
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 26.389+/-0.007 χ^2/NDF:3088370.5/17

Out: 26.973+/-0.007 χ^2/NDF:2802885.7/20

All: 26.675+/-0.005 χ^2/NDF: 5894598.4/38

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.051+/-0.059 χ^2/NDF:0.5/1

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.039 χ^2/NDF:2.7/1

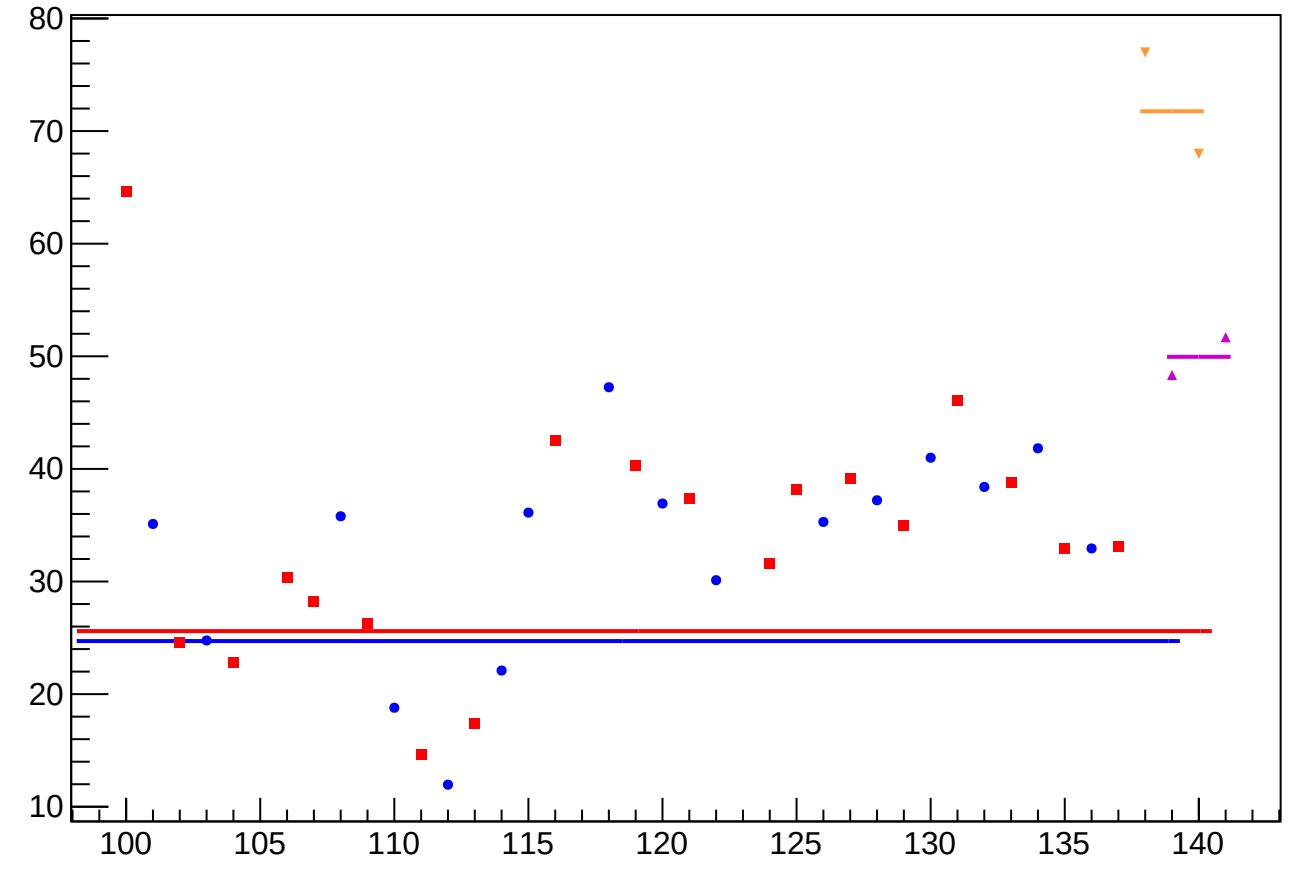
Left: -0.010+/-0.032 χ^2/NDF: 3.9/3

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/17

Out: 0.003+/-0.010 χ^2/NDF:15.0/20

All: 0.014+/-0.007 χ^2/NDF: 36.6/38



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 71.759+/-0.042 χ^2/NDF:11340.9/1

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 49.954+/-0.027 χ^2/NDF:3721.2/1

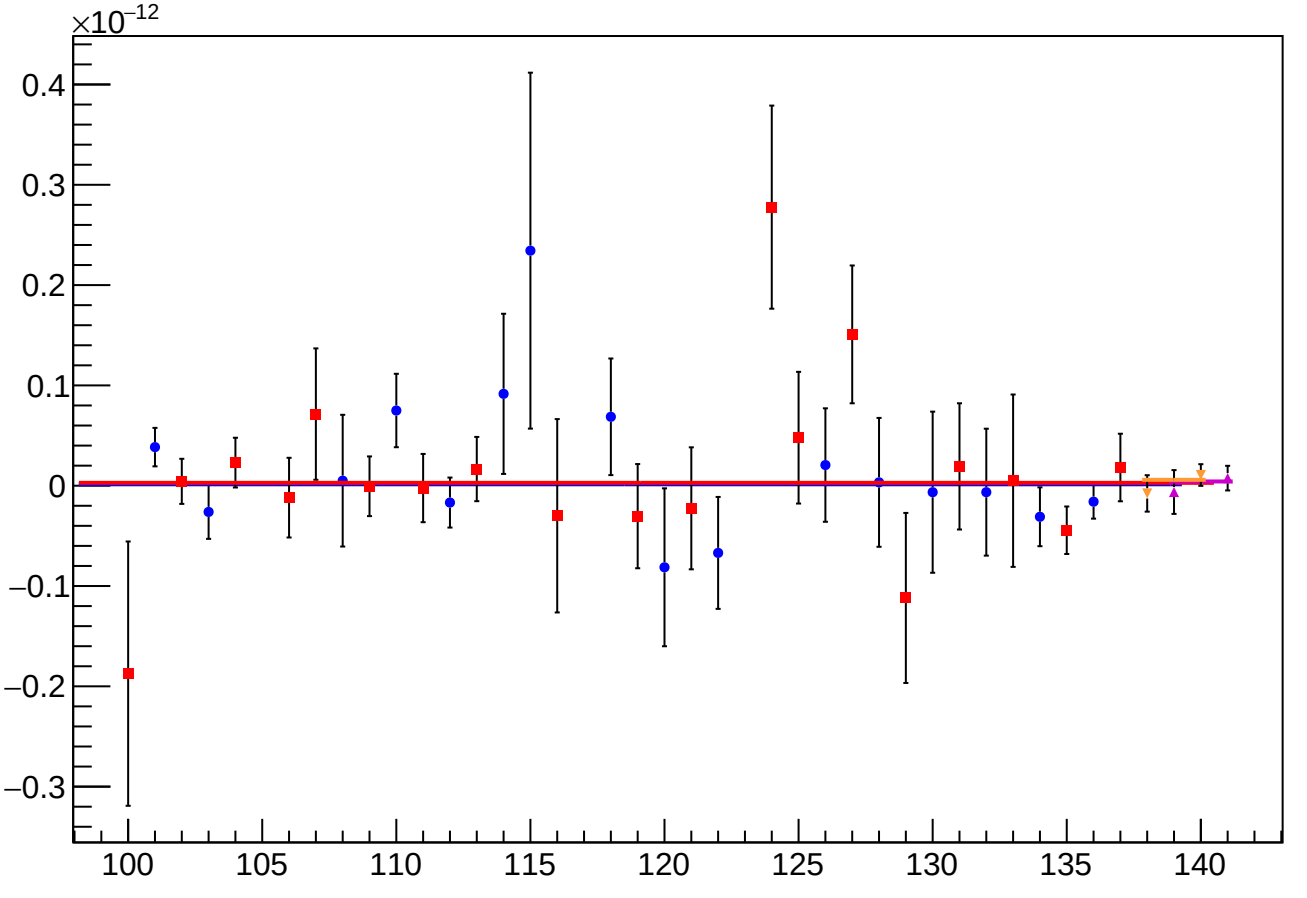
Left: 56.536+/-0.023 χ^2/NDF: 205495.6/3

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 26.389+/-0.007 χ^2/NDF:3088370.5/17

Out: 26.973+/-0.007 χ^2/NDF:2802885.7/20

All: 26.675+/-0.005 χ^2/NDF: 5894598.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

Left: 0.000+/-0.000 χ^2/NDF: 1.1/3

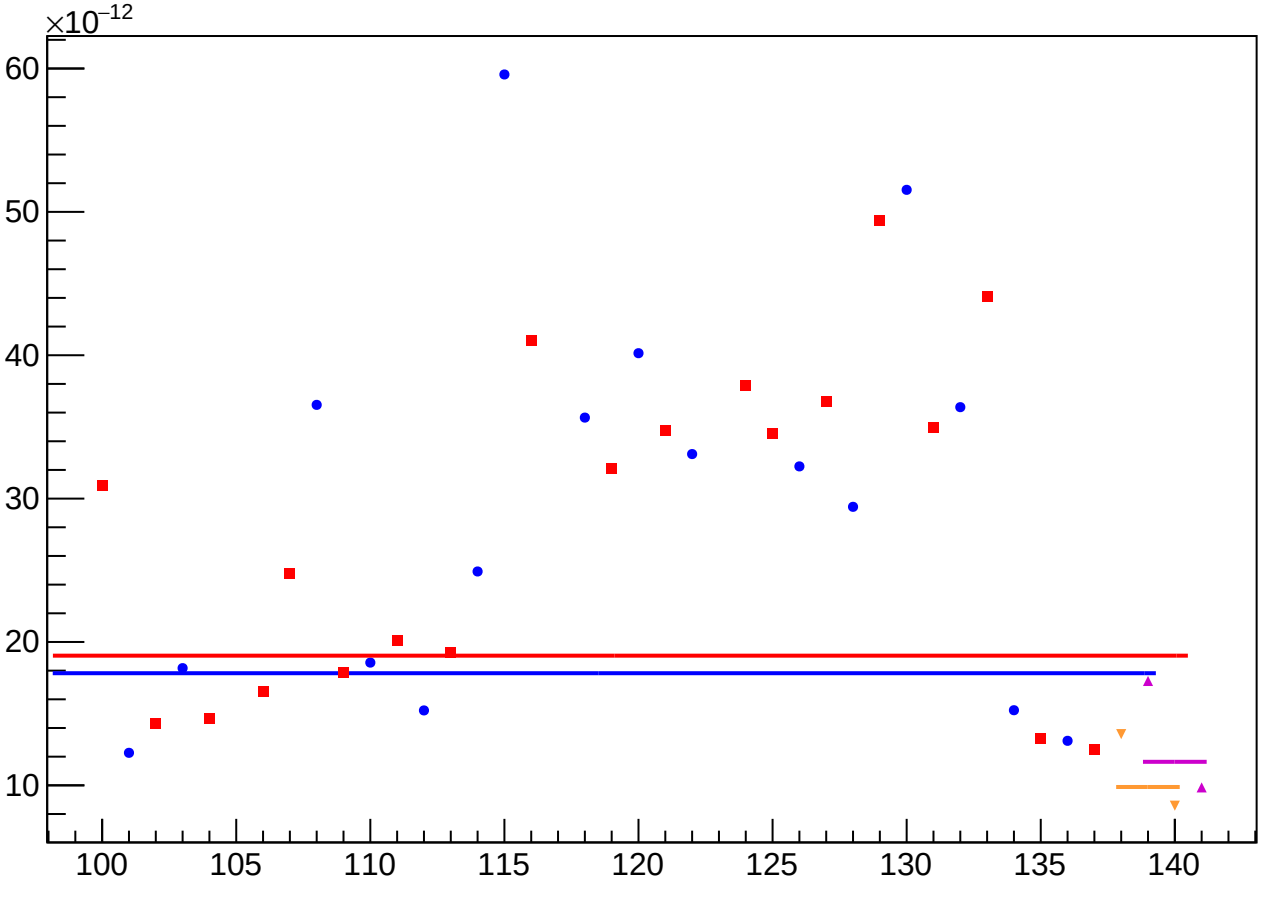
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:19.1/17

Out: 0.000+/-0.000 χ^2/NDF:24.3/20

All: 0.000+/-0.000 χ^2/NDF: 43.4/38

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:111631.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:175672.5/1

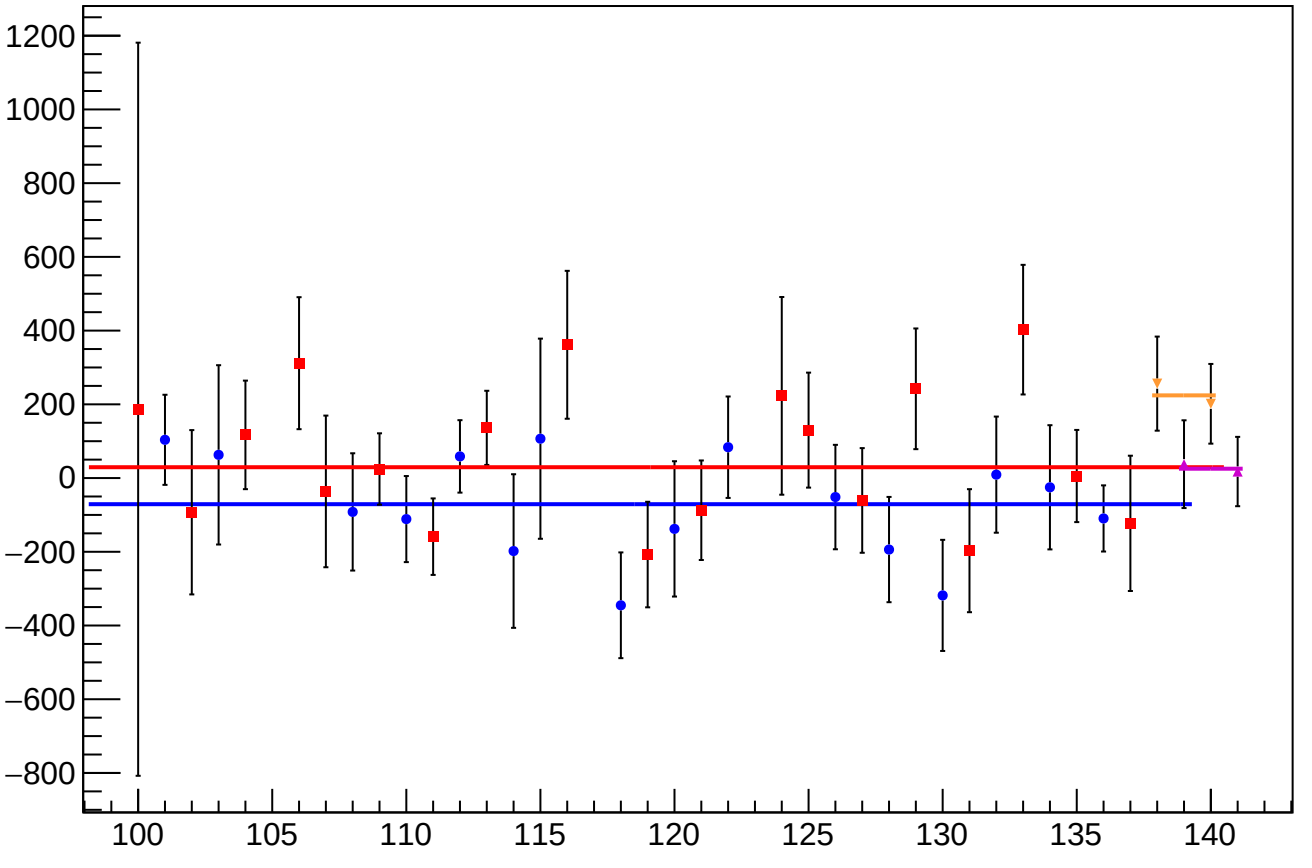
Left: 0.000+/-0.000 χ^2/NDF: 318021.1/3

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:2448054.7/17

Out: 0.000+/-0.000 χ^2/NDF:2721605.0/20

All: 0.000+/-0.000 χ^2/NDF: 5185452.9/38



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 224.324+/-82.494 χ^2/NDF:0.1/1

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 25.362+/-73.797 χ^2/NDF:0.0/1

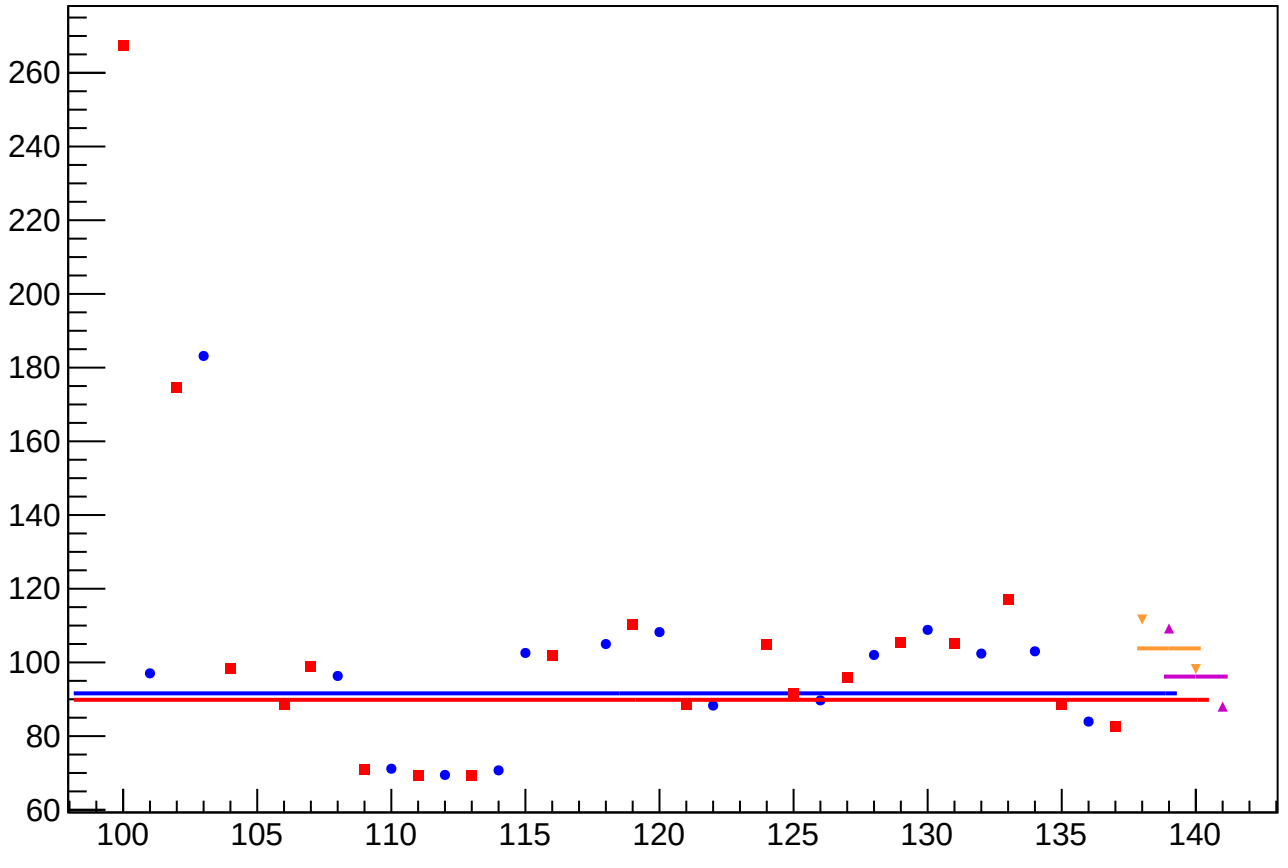
Left: 113.805+/-55.001 χ^2/NDF: 3.4/3

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: -53.116+/-31.714 χ^2/NDF:15.5/17

Out: 58.058+/-31.627 χ^2/NDF:28.9/20

All: 2.624+/-22.394 χ^2/NDF: 50.5/38



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 103.804+/-0.058 χ^2/NDF:12923.4/1

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 96.161+/-0.052 χ^2/NDF:39079.9/1

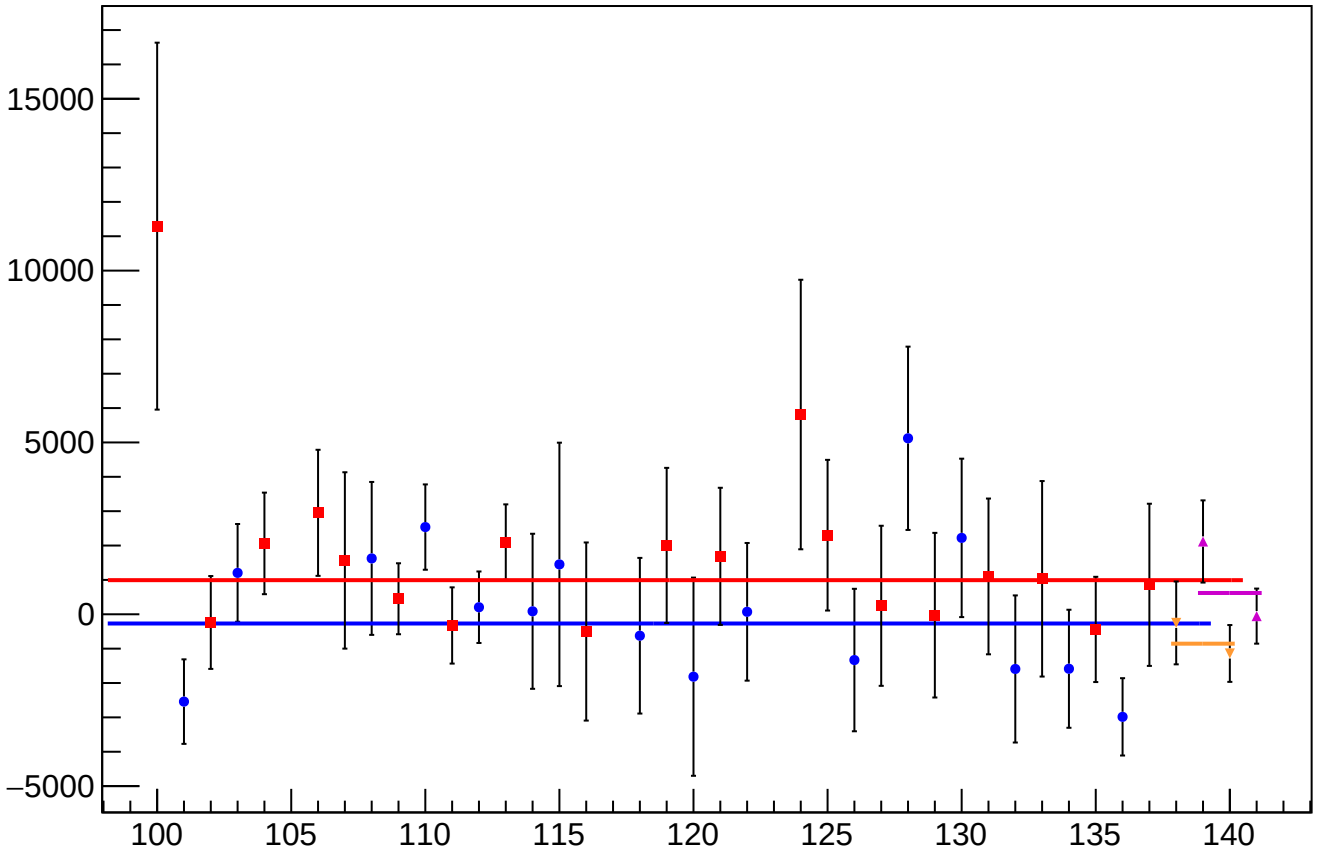
Left: 99.558+/-0.039 χ^2/NDF: 61540.2/3

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 92.449+/-0.022 χ^2/NDF:625958.9/17

Out: 91.905+/-0.022 χ^2/NDF:807994.6/20

All: 92.176+/-0.016 χ^2/NDF: 1434248.6/38



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -855.688+/-681.863 χ^2/NDF:0.4/1

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 619.569+/-665.720 χ^2/NDF:2.3/1

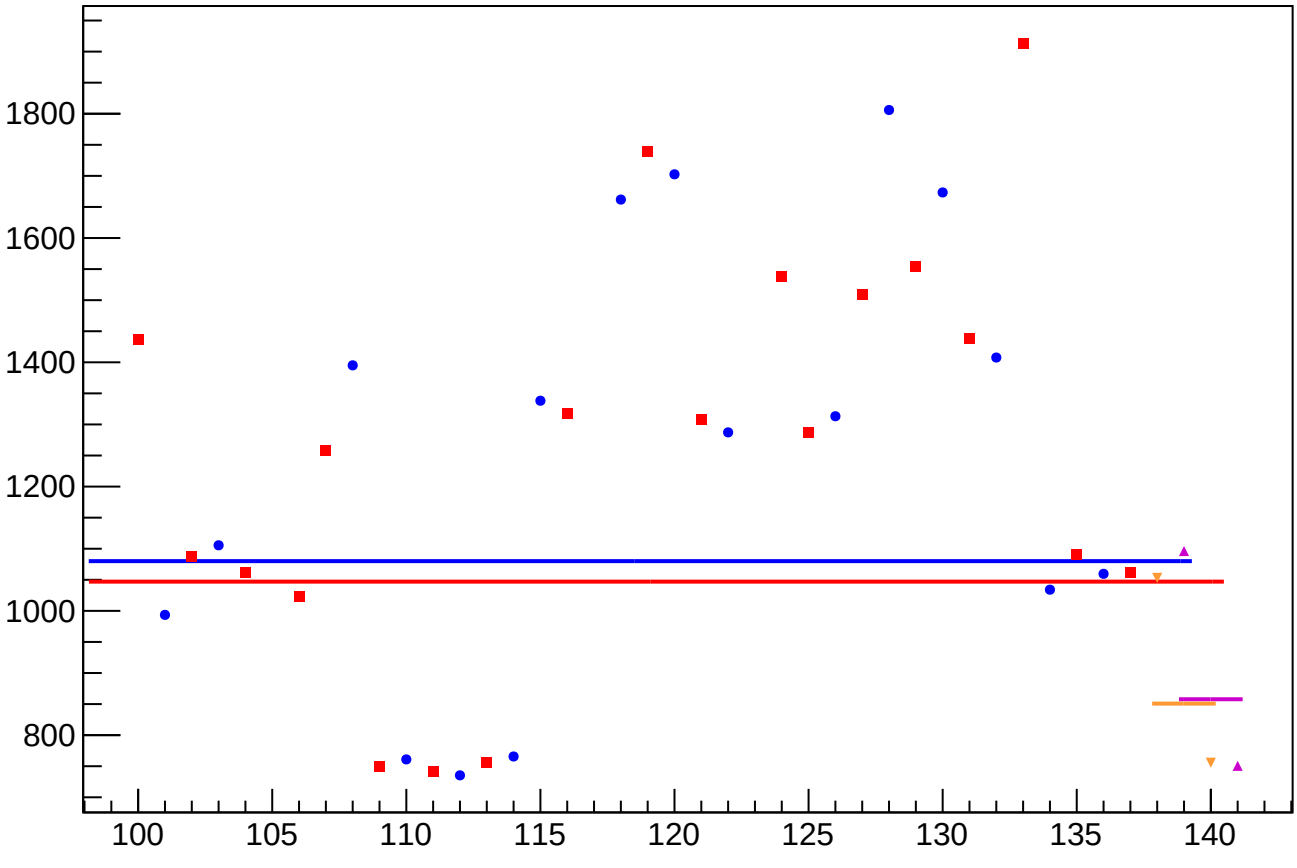
Left: -100.390+/-476.340 χ^2/NDF: 5.0/3

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: -16.013+/-354.959 χ^2/NDF:27.0/17

Out: 517.992+/-345.544 χ^2/NDF:18.5/20

All: 258.165+/-247.598 χ^2/NDF: 46.7/38



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 850.765+/-0.482 χ^2/NDF:82820.6/1

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 857.782+/-0.471 χ^2/NDF:115301.2/1

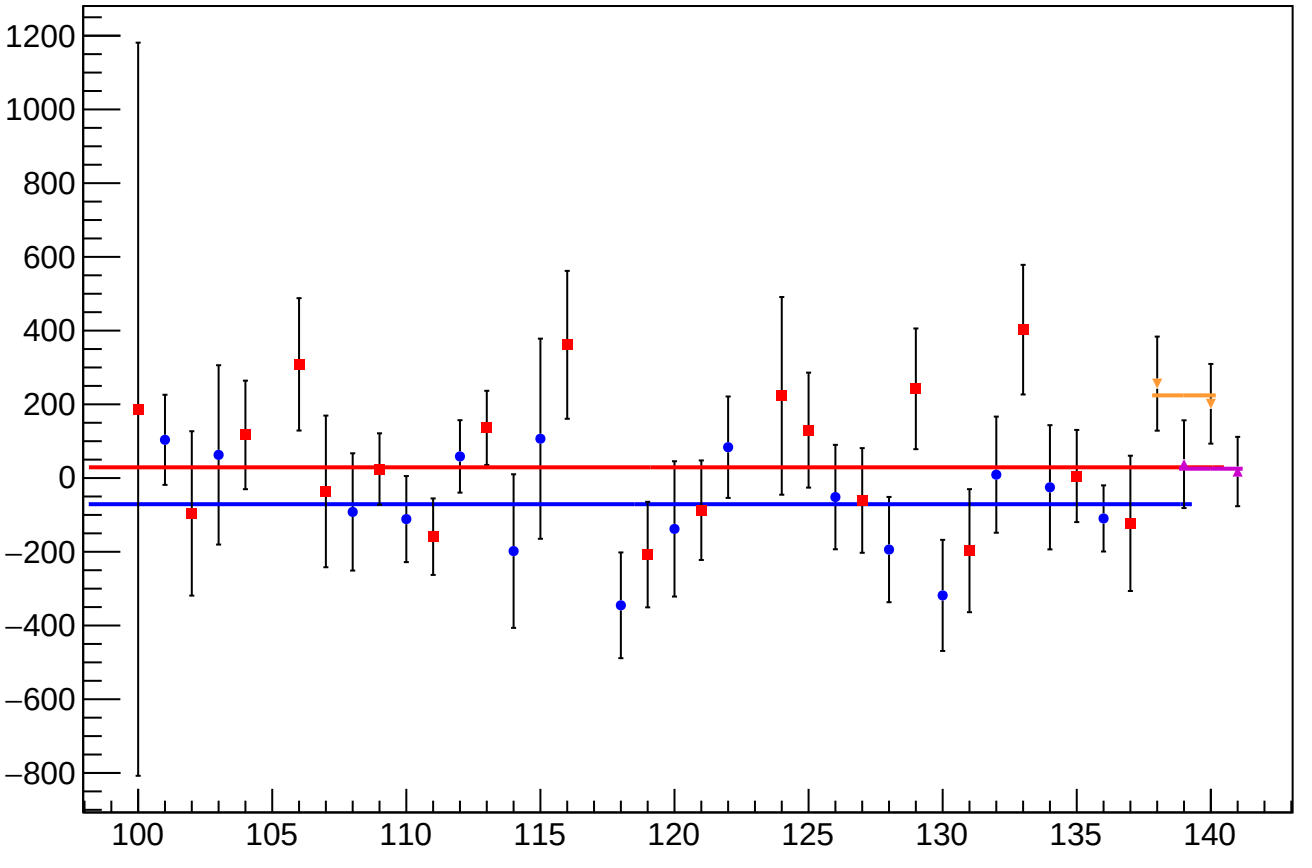
Left: 854.357+/-0.337 χ^2/NDF: 198230.3/3

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 1016.856+/-0.251 χ^2/NDF:1328326.2/17

Out: 996.655+/-0.244 χ^2/NDF:1404660.5/20

All: 1006.484+/-0.175 χ^2/NDF: 2736312.6/38



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 224.340+/-82.494 χ^2/NDF:0.1/1

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 25.367+/-73.797 χ^2/NDF:0.0/1

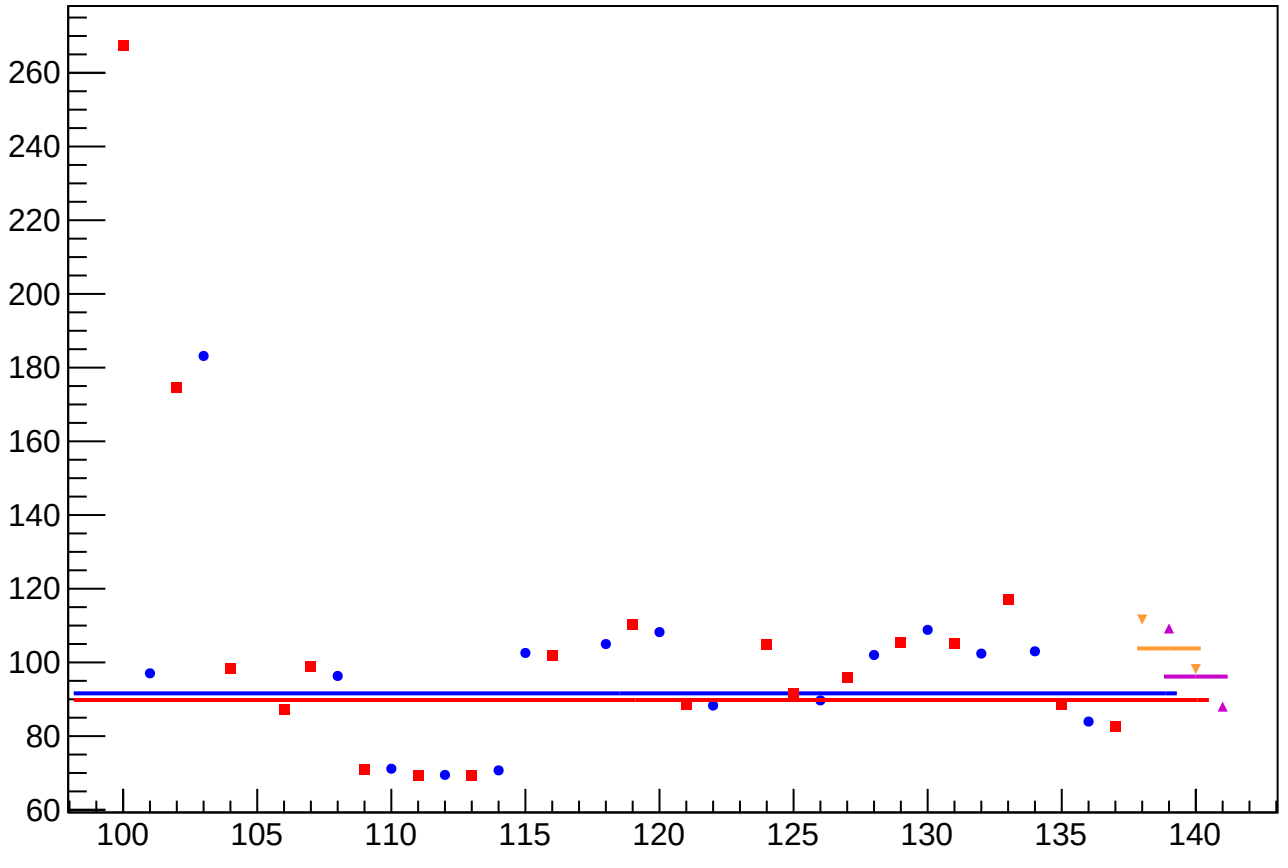
Left: 113.816+/-55.001 χ^2/NDF: 3.4/3

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -53.124+/-31.714 χ^2/NDF:15.5/17

Out: 57.853+/-31.630 χ^2/NDF:28.8/20

All: 2.511+/-22.395 χ^2/NDF: 50.4/38



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 103.804+/-0.058 χ^2/NDF:12923.4/1

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 96.161+/-0.052 χ^2/NDF:39079.9/1

Left: 99.558+/-0.039 χ^2/NDF: 61540.1/3

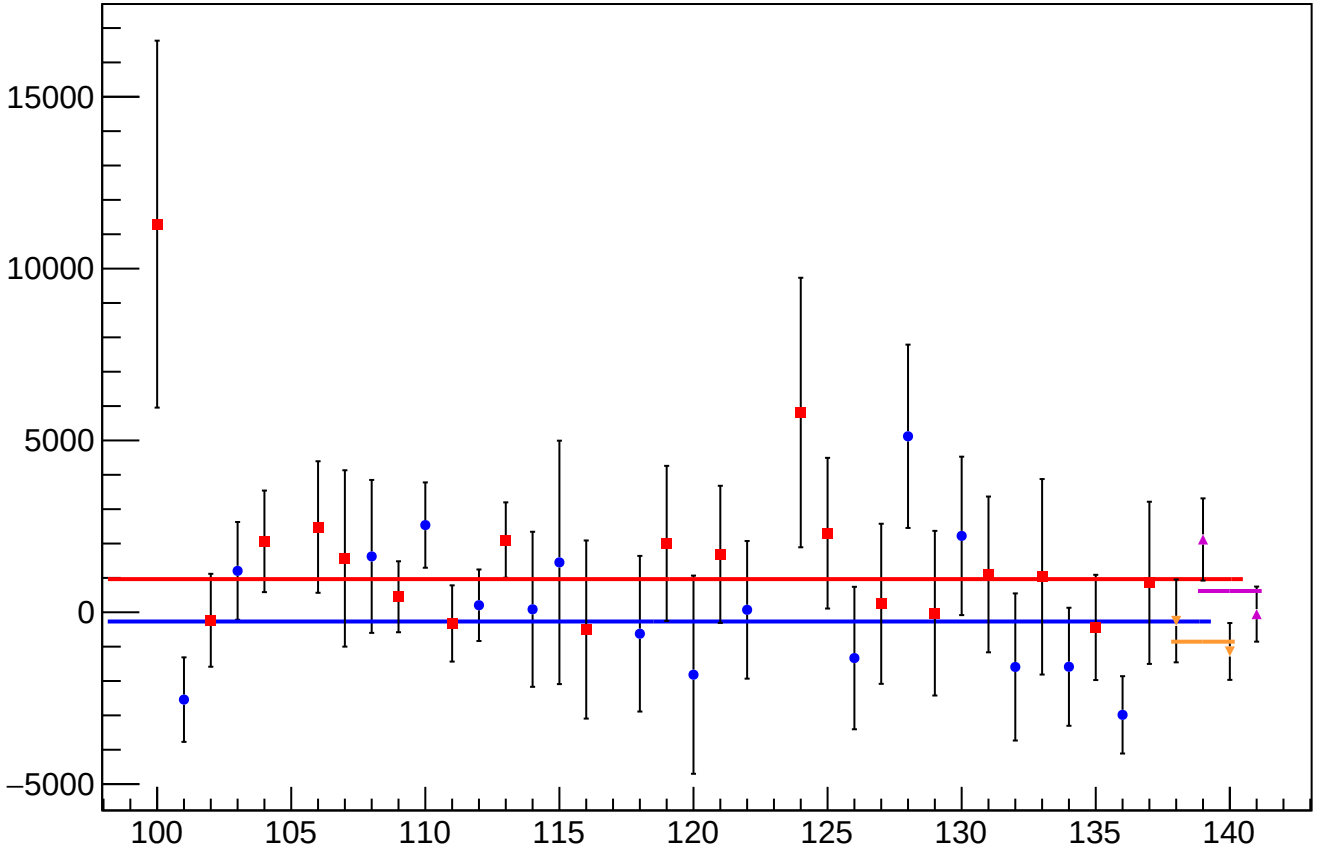
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 92.449+/-0.022 χ^2/NDF:625962.0/17

Out: 91.865+/-0.022 χ^2/NDF:808869.6/20

All: 92.156+/-0.016 χ^2/NDF: 1435171.7/38

asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -855.675+/-681.862 χ^2/NDF:0.4/1

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 619.590+/-665.721 χ^2/NDF:2.3/1

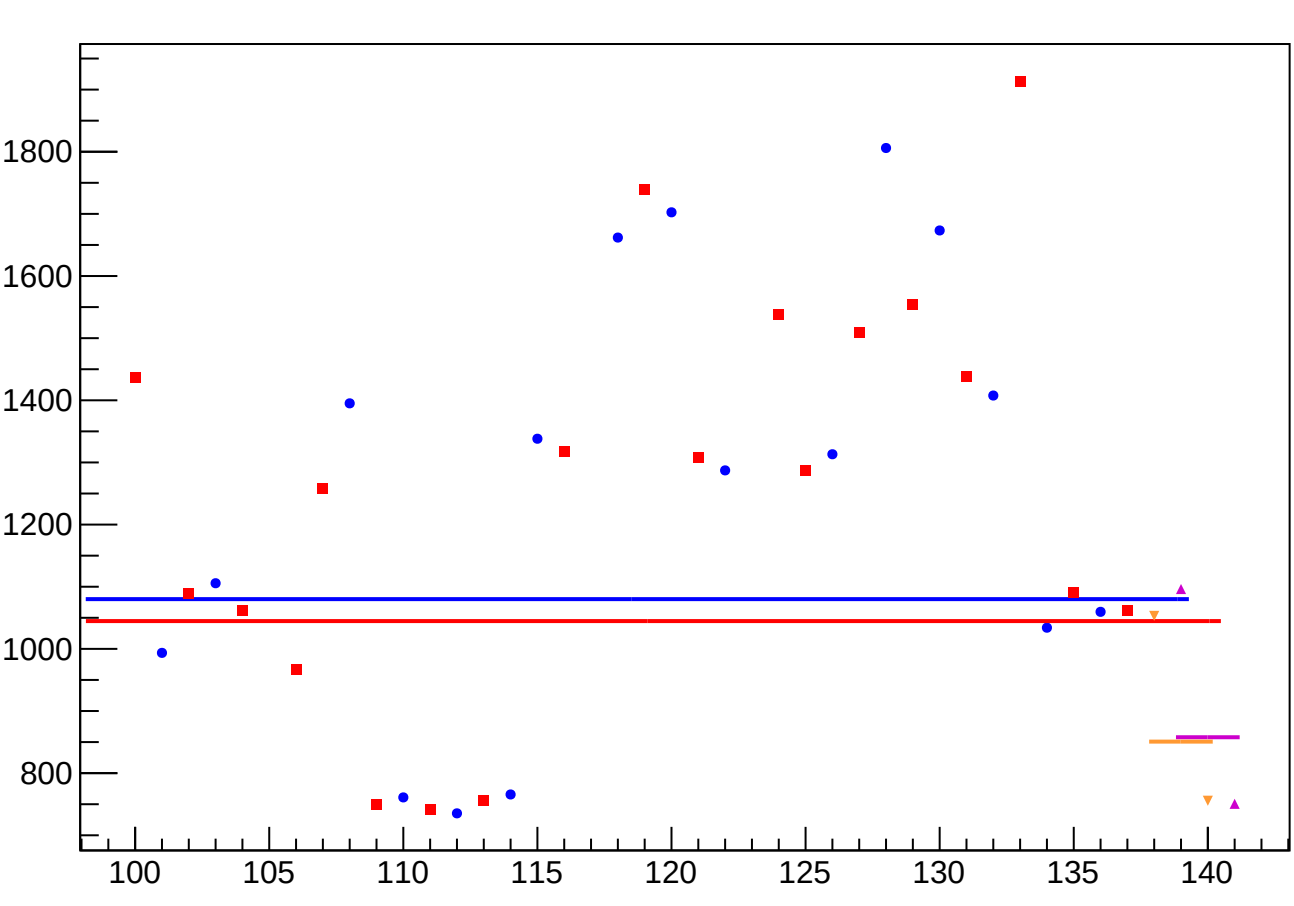
Left: -100.374+/-476.340 χ^2/NDF: 5.0/3

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -16.019+/-354.961 χ^2/NDF:27.0/17

Out: 496.018+/-346.062 χ^2/NDF:17.8/20

All: 246.499+/-247.789 χ^2/NDF: 45.8/38



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 850.764+/-0.482 χ^2/NDF:82820.4/1

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 857.783+/-0.471 χ^2/NDF:115299.9/1

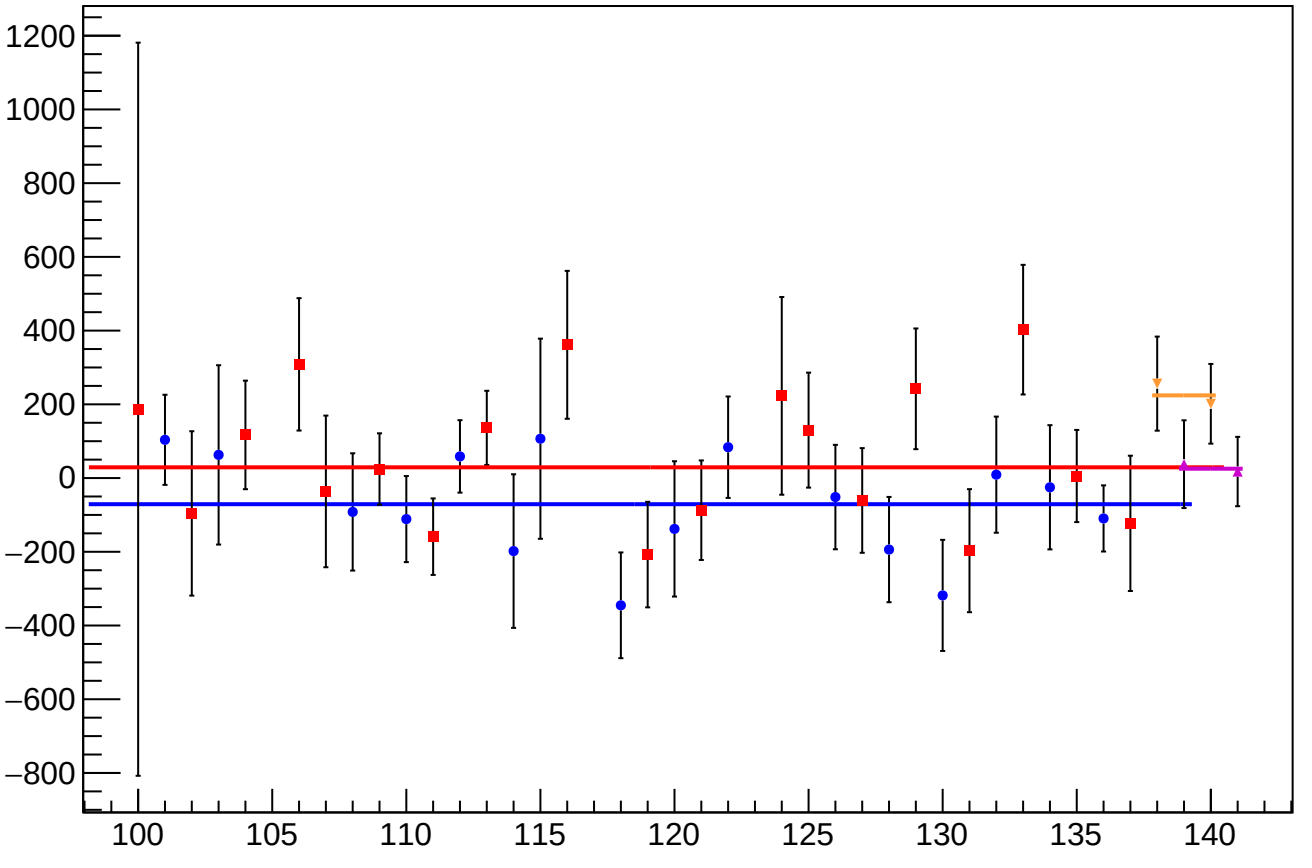
Left: 854.357+/-0.337 χ^2/NDF: 198228.7/3

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 1016.862+/-0.251 χ^2/NDF:1328341.3/17

Out: 994.758+/-0.245 χ^2/NDF:1404783.1/20

All: 1005.529+/-0.175 χ^2/NDF: 2737100.6/38



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 224.340+/-82.494 χ^2/NDF:0.1/1

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 25.367+/-73.797 χ^2/NDF:0.0/1

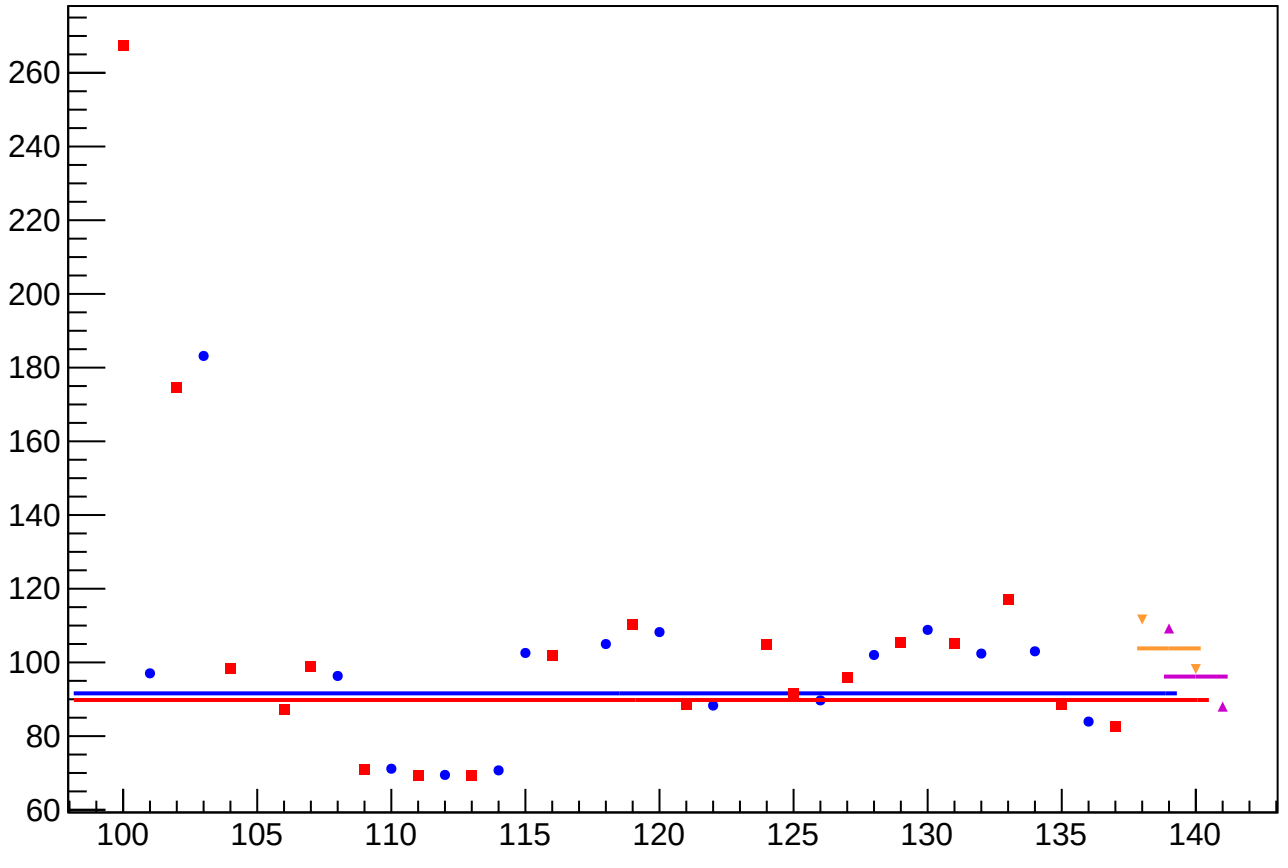
Left: 113.816+/-55.001 χ^2/NDF: 3.4/3

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -53.124+/-31.714 χ^2/NDF:15.5/17

Out: 57.853+/-31.630 χ^2/NDF:28.8/20

All: 2.511+/-22.395 χ^2/NDF: 50.4/38



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 103.804+/-0.058 χ^2/NDF:12923.4/1

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 96.161+/-0.052 χ^2/NDF:39079.9/1

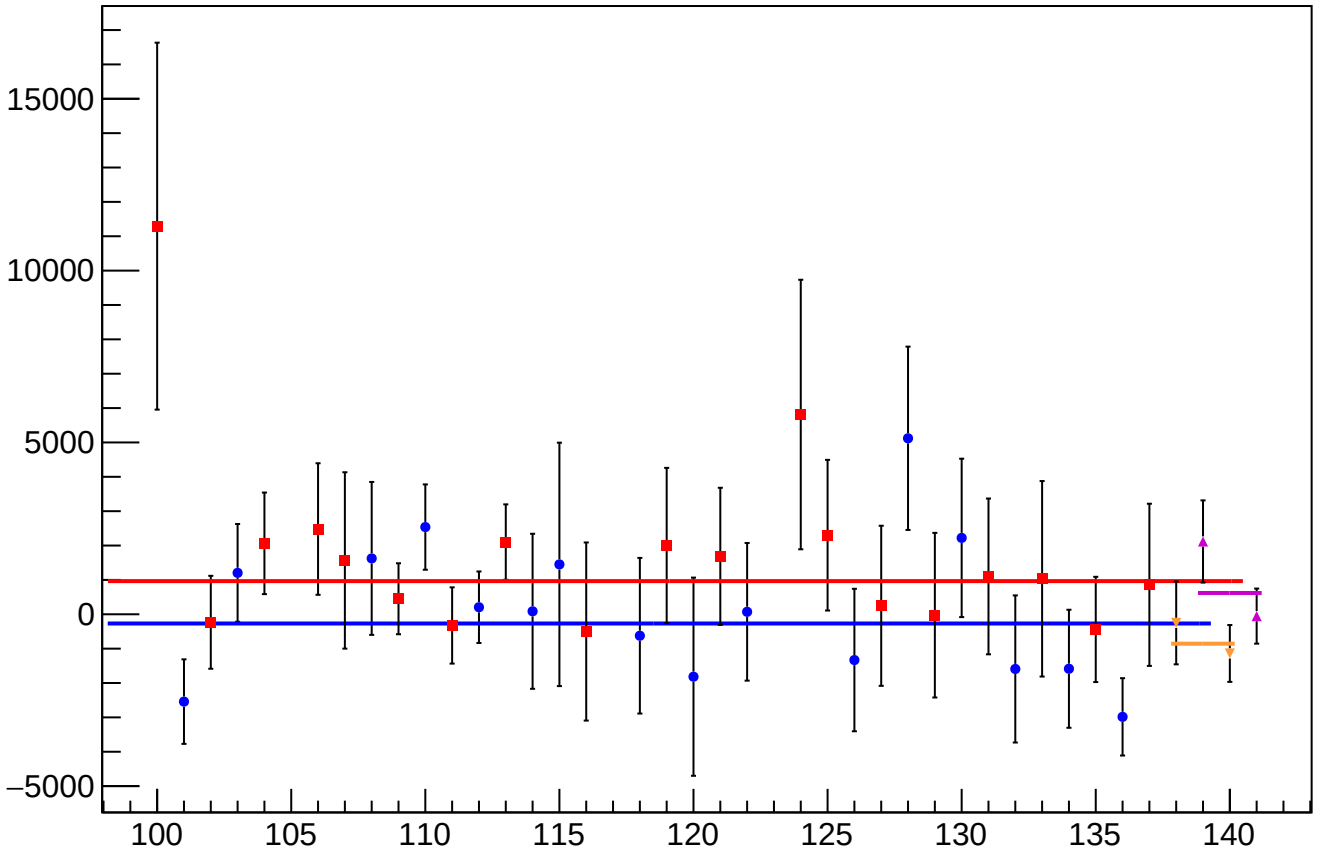
Left: 99.558+/-0.039 χ^2/NDF: 61540.1/3

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 92.449+/-0.022 χ^2/NDF:625962.0/17

Out: 91.865+/-0.022 χ^2/NDF:808869.6/20

All: 92.156+/-0.016 χ^2/NDF: 1435171.7/38



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -855.675+/-681.862 χ^2/NDF:0.4/1

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 619.590+/-665.721 χ^2/NDF:2.3/1

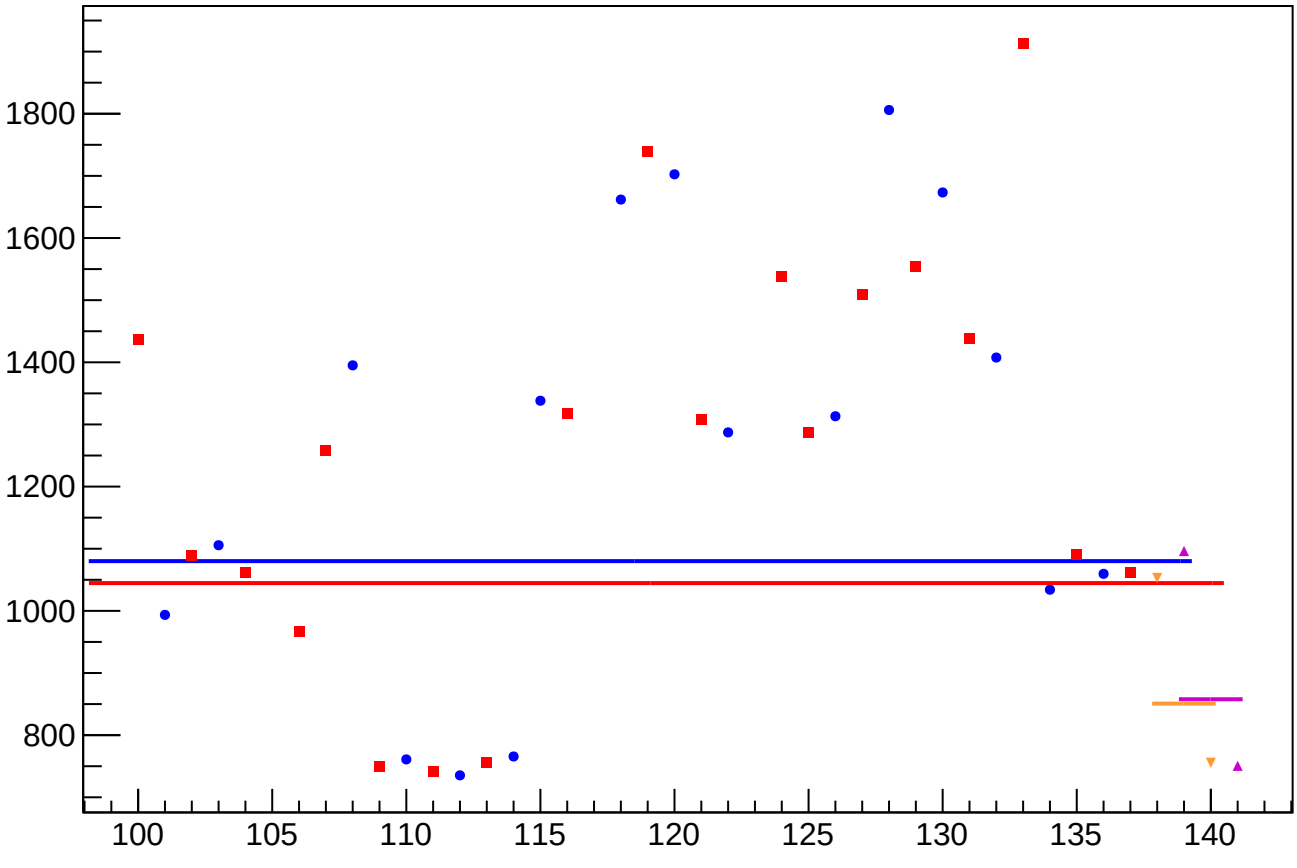
Left: -100.374+/-476.340 χ^2/NDF: 5.0/3

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -16.019+/-354.961 χ^2/NDF:27.0/17

Out: 496.018+/-346.062 χ^2/NDF:17.8/20

All: 246.499+/-247.789 χ^2/NDF: 45.8/38



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 850.764+/-0.482 χ^2/NDF:82820.4/1

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 857.783+/-0.471 χ^2/NDF:115299.9/1

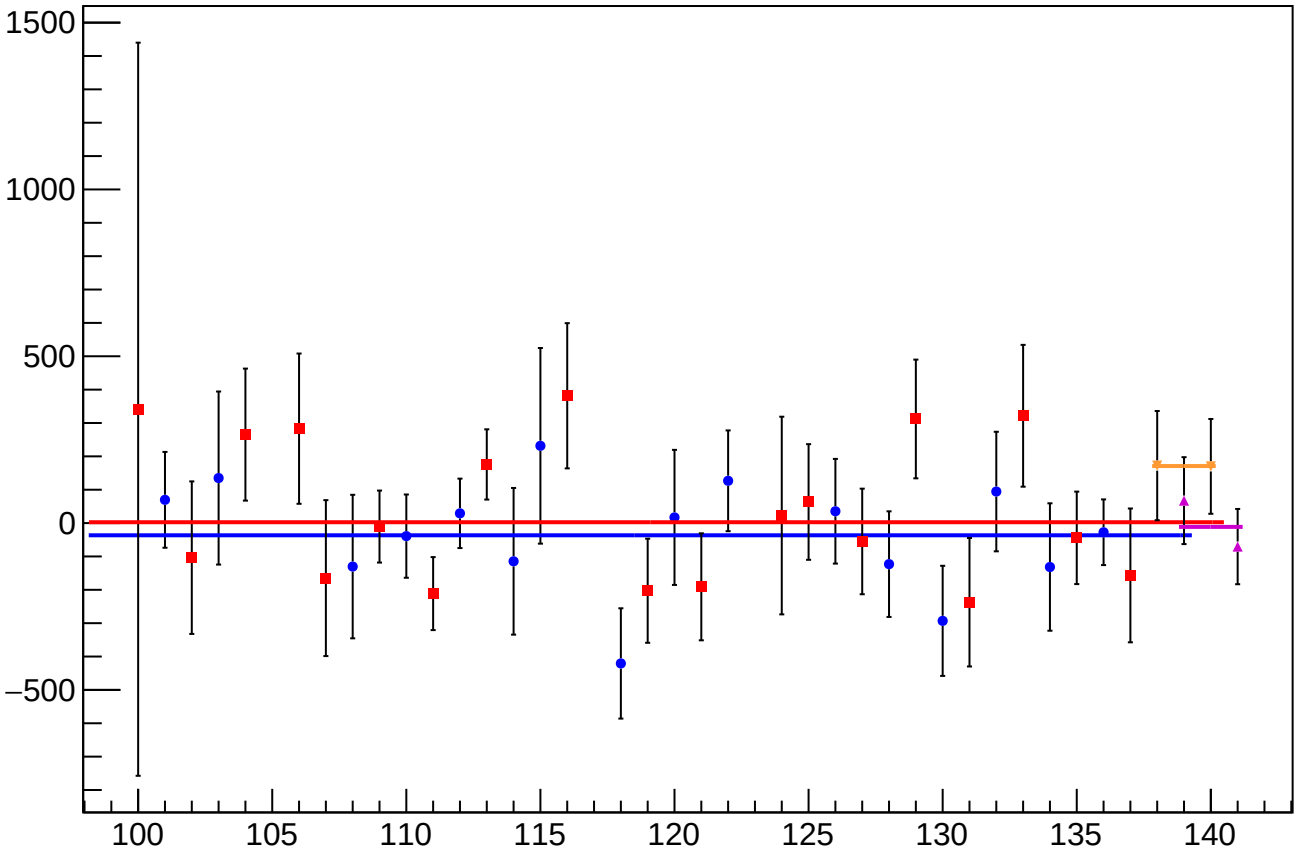
Left: 854.357+/-0.337 χ^2/NDF: 198228.7/3

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 1016.862+/-0.251 χ^2/NDF:1328341.3/17

Out: 994.758+/-0.245 χ^2/NDF:1404783.1/20

All: 1005.529+/-0.175 χ^2/NDF: 2737100.6/38



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 170.972+/-107.289 χ^2/NDF:0.0/1

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: -11.419+/-85.261 χ^2/NDF:0.6/1

Left: 59.180+/-66.750 χ^2/NDF: 2.4/3

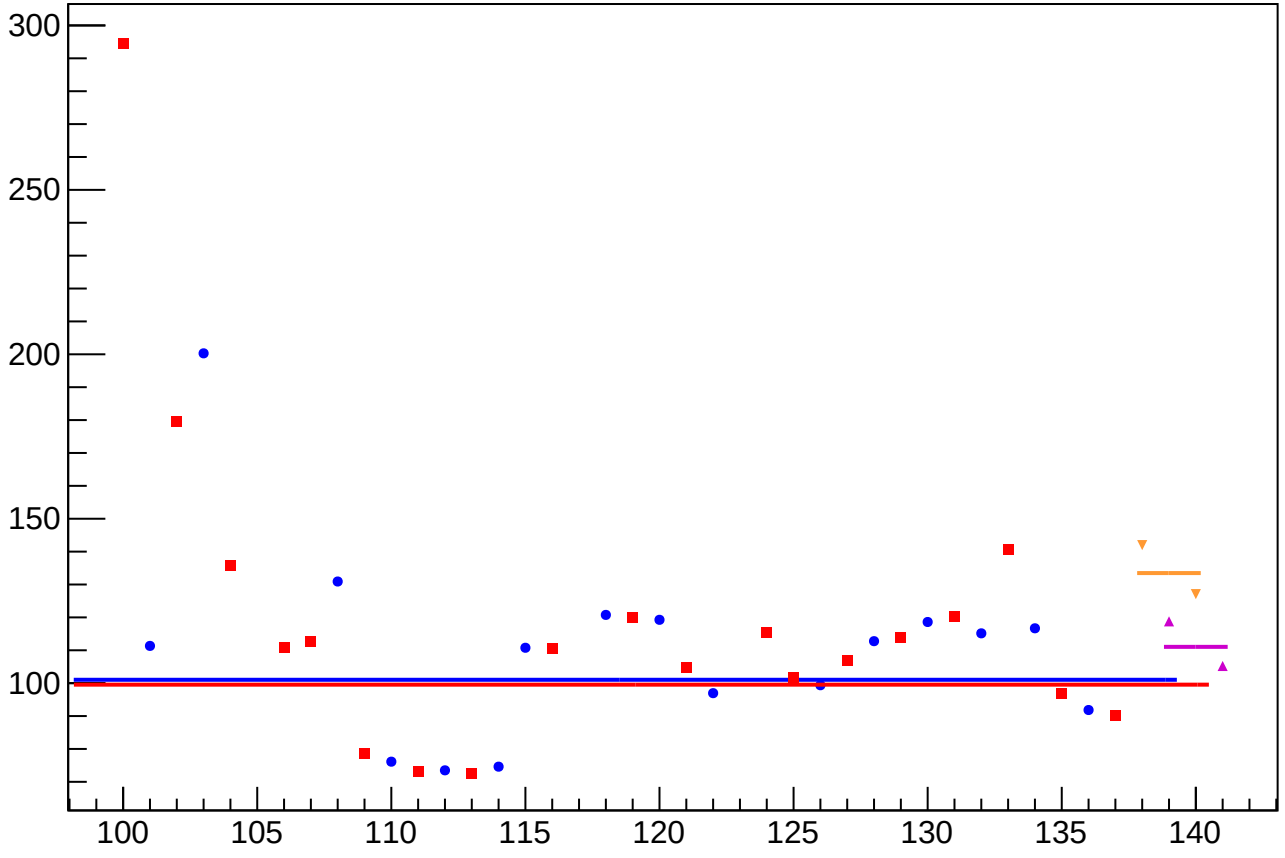
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: -32.237+/-35.459 χ^2/NDF:13.6/17

Out: 21.484+/-35.957 χ^2/NDF:26.9/20

All: -5.752+/-25.248 χ^2/NDF: 41.7/38

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 133.478+/-0.076 χ^2/NDF:9459.3/1

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 111.043+/-0.060 χ^2/NDF:12410.2/1

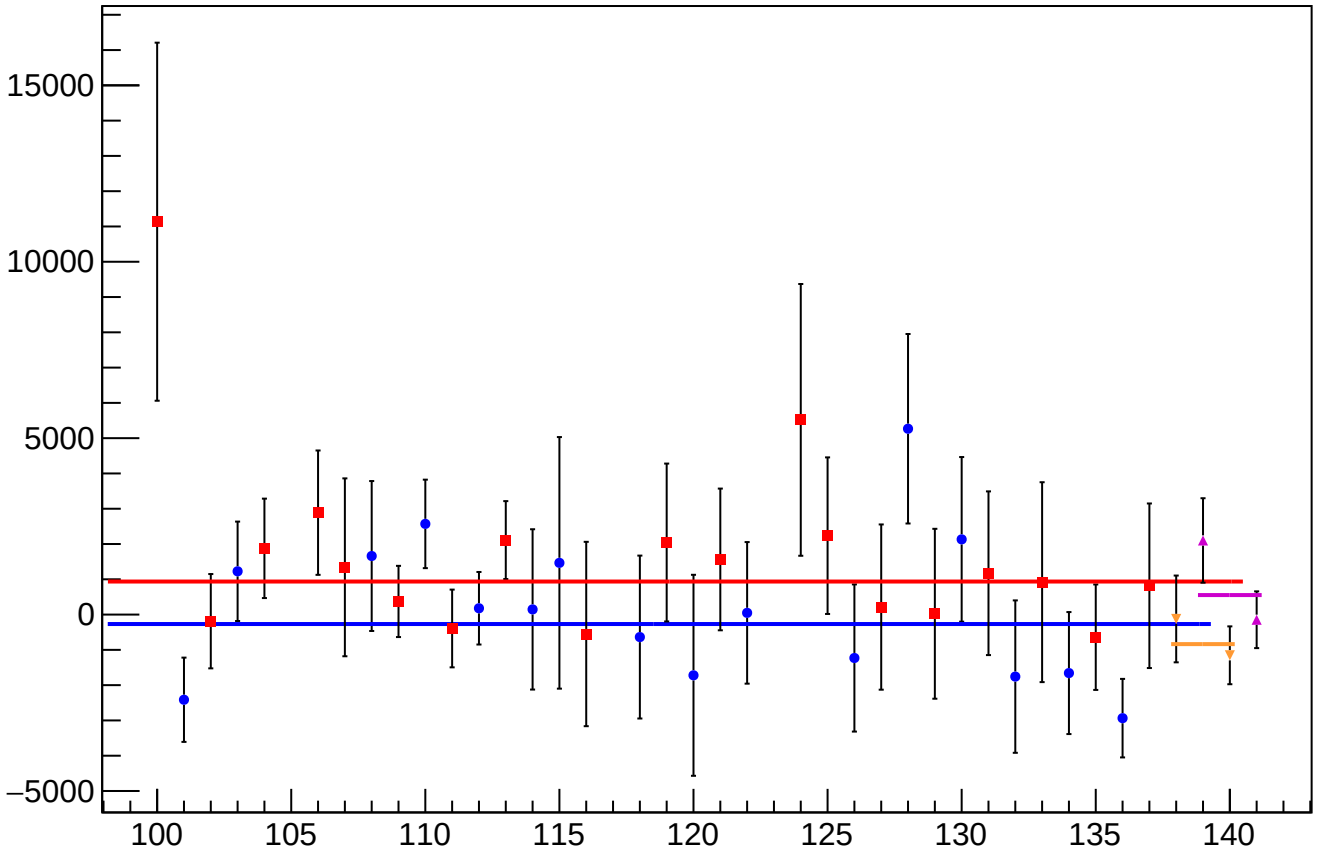
Left: 119.727+/-0.047 χ^2/NDF: 75472.4/3

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 102.763+/-0.025 χ^2/NDF:751312.1/17

Out: 103.358+/-0.025 χ^2/NDF:1067523.0/20

All: 103.056+/-0.018 χ^2/NDF: 1819113.2/38



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -837.031+/-682.097 χ^2/NDF:0.5/1

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 553.137+/-667.413 χ^2/NDF:2.4/1

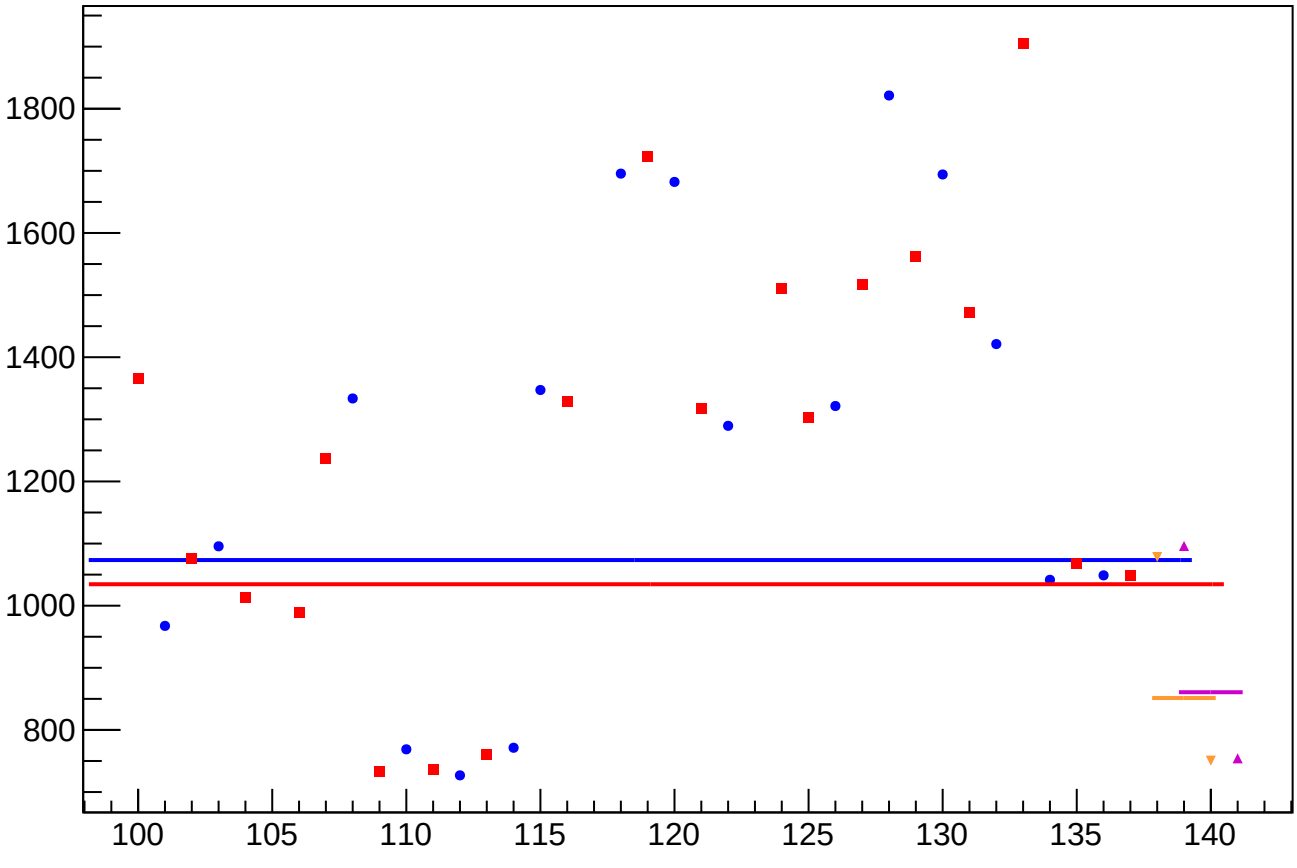
Left: -126.822+/-477.039 χ^2/NDF: 5.0/3

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: -37.318+/-353.684 χ^2/NDF:27.0/17

Out: 489.195+/-342.620 χ^2/NDF:18.7/20

All: 234.303+/-246.088 χ^2/NDF: 46.8/38



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 851.360+/-0.482 χ^2/NDF:98382.3/1

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 860.680+/-0.472 χ^2/NDF:112496.5/1

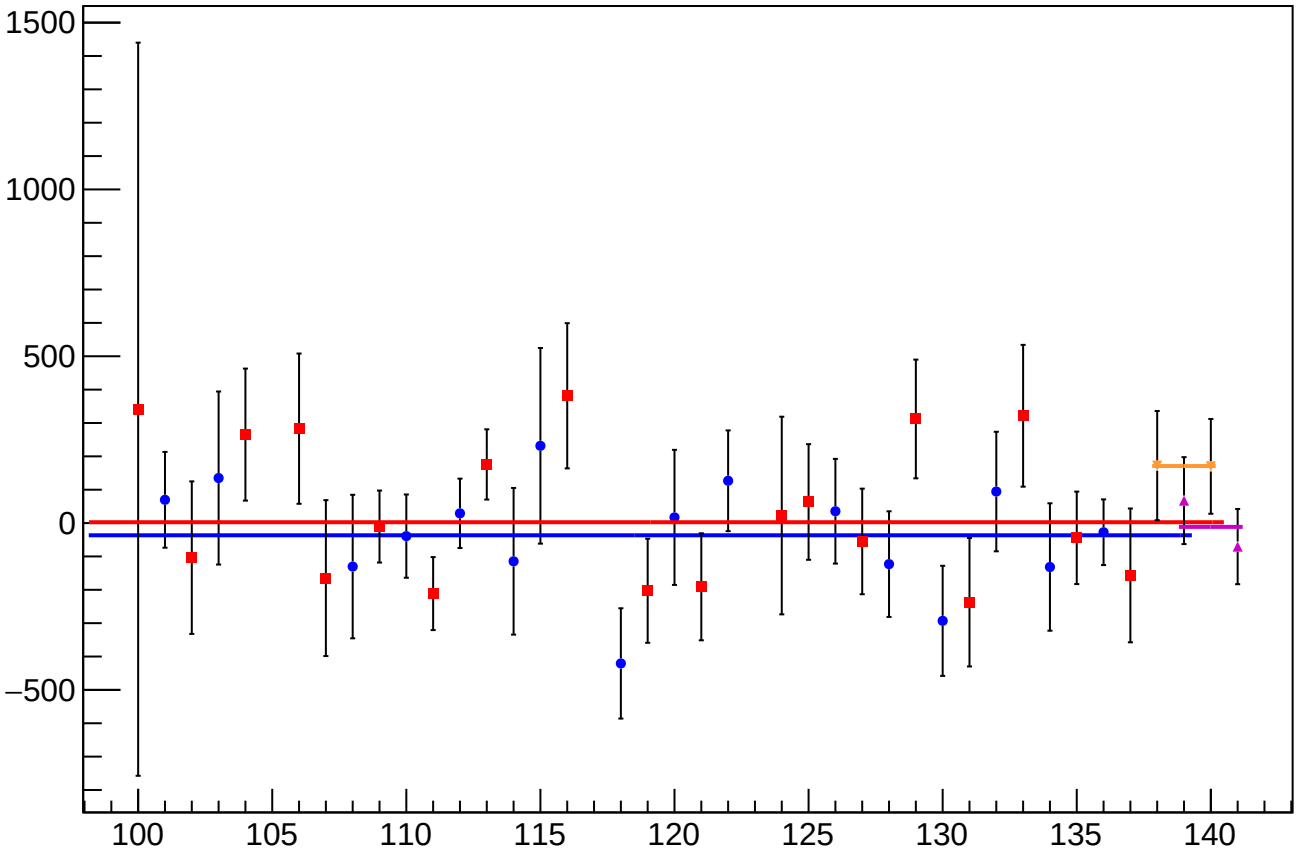
Left: 856.121+/-0.337 χ^2/NDF: 211069.6/3

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 1013.702+/-0.250 χ^2/NDF:1335742.4/17

Out: 988.318+/-0.242 χ^2/NDF:1435570.0/20

All: 1000.607+/-0.174 χ^2/NDF: 2776626.9/38



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 170.974+/-107.289 χ^2/NDF:0.0/1

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: -11.418+/-85.261 χ^2/NDF:0.6/1

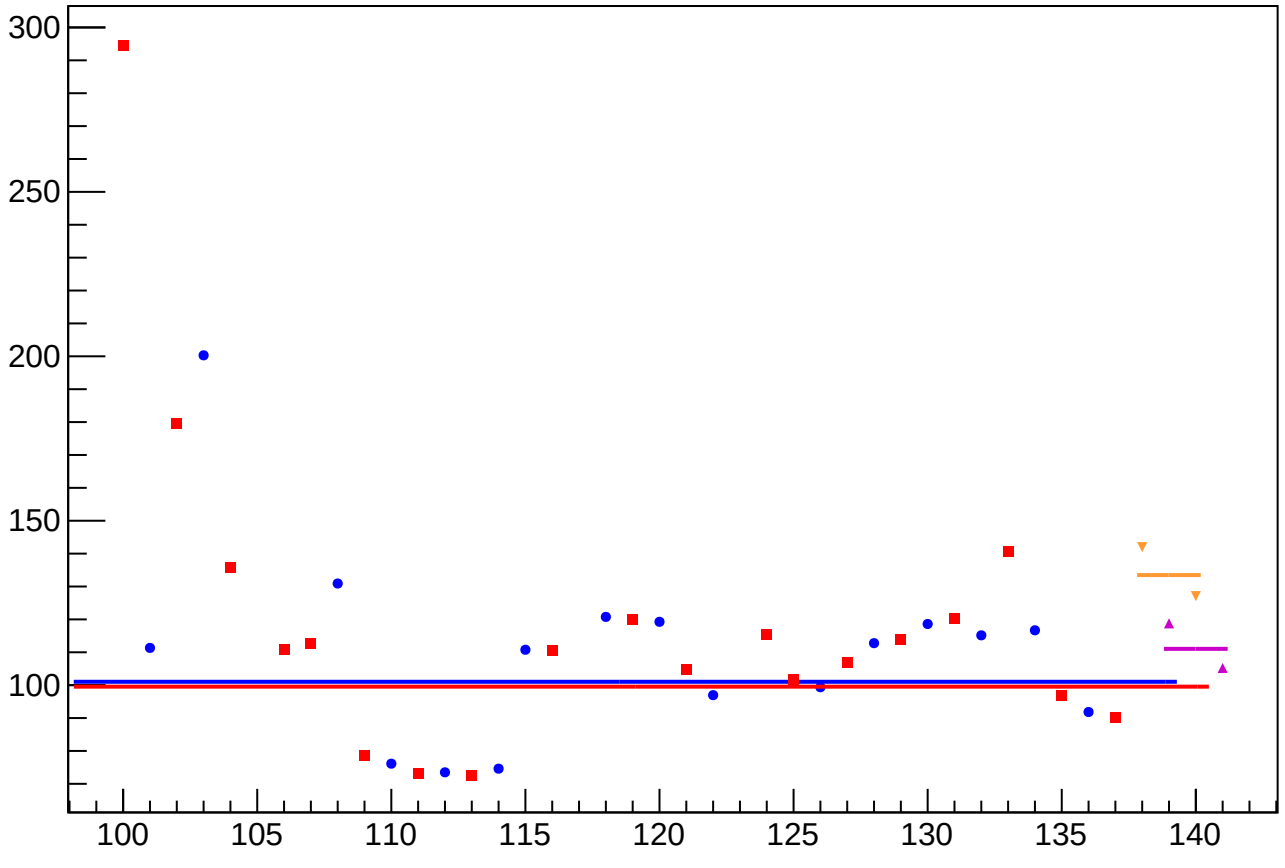
Left: 59.181+/-66.750 χ^2/NDF: 2.4/3

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: -32.236+/-35.459 χ^2/NDF:13.6/17

Out: 21.482+/-35.958 χ^2/NDF:26.9/20

All: -5.752+/-25.248 χ^2/NDF: 41.7/38



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 133.478+/-0.076 χ^2/NDF:9458.2/1

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 111.043+/-0.060 χ^2/NDF:12409.3/1

Left: 119.727+/-0.047 χ^2/NDF: 75470.1/3

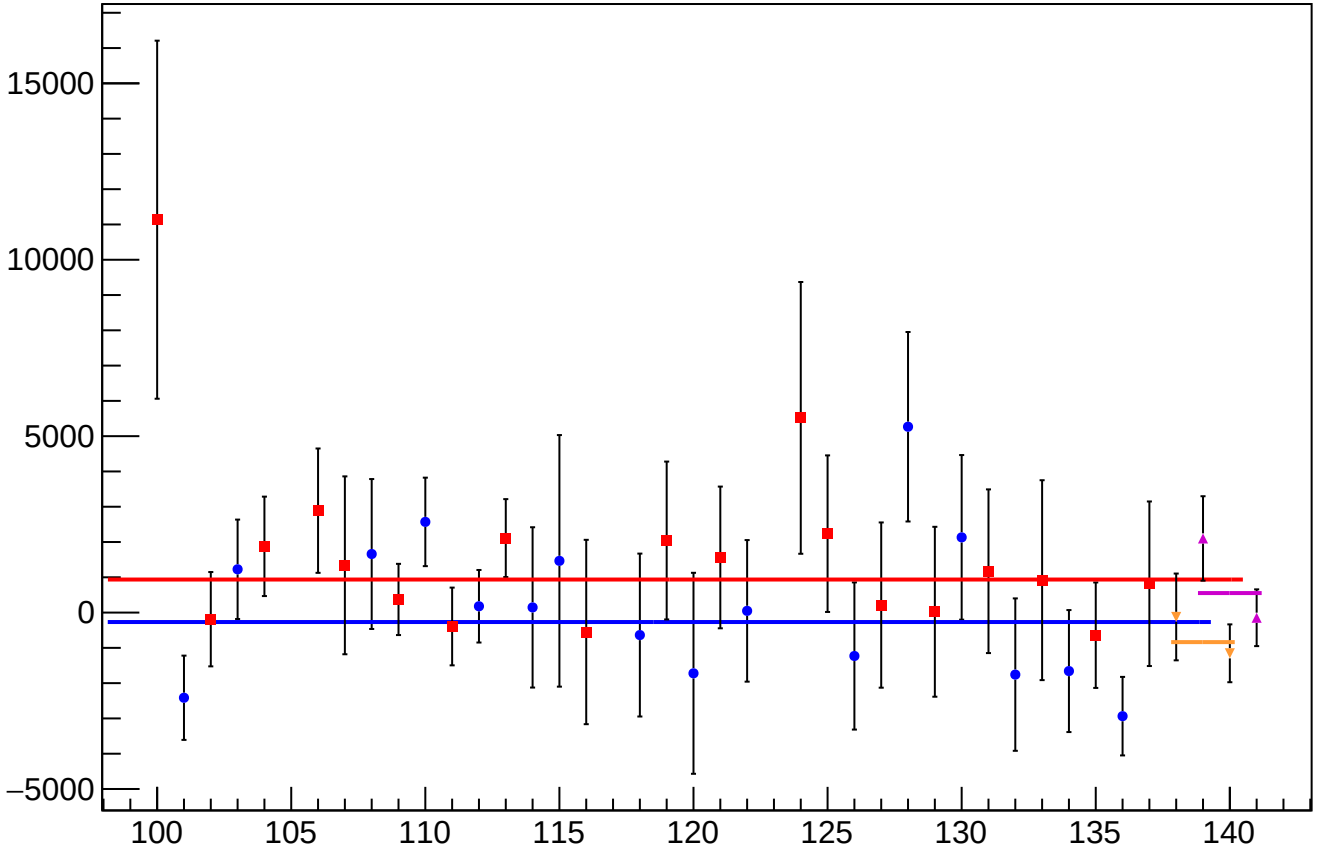
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 102.763+/-0.025 χ^2/NDF:751310.2/17

Out: 103.358+/-0.025 χ^2/NDF:1067524.6/20

All: 103.057+/-0.018 χ^2/NDF: 1819112.9/38

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -837.030+/-682.095 χ^2/NDF:0.5/1

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 553.137+/-667.411 χ^2/NDF:2.4/1

Left: -126.822+/-477.038 χ^2/NDF: 5.0/3

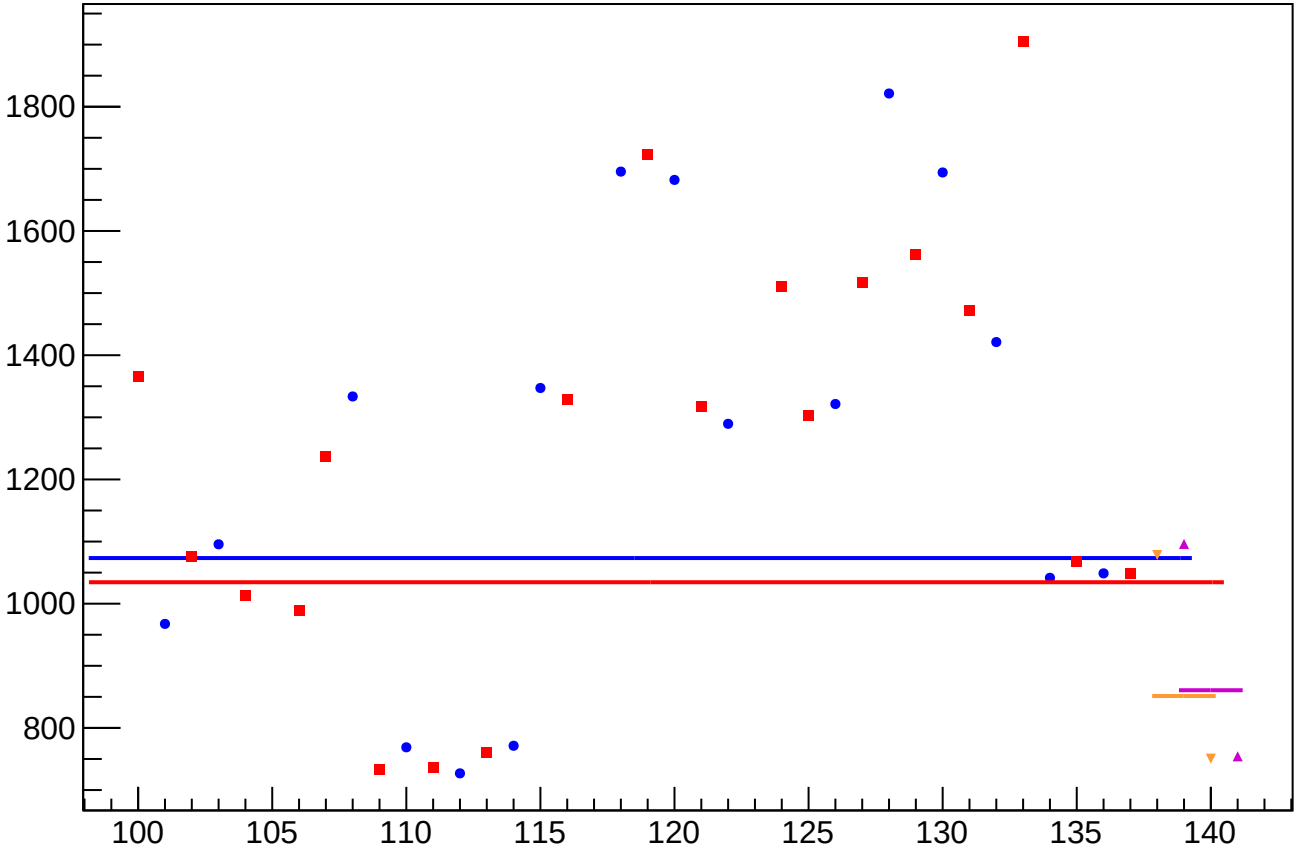
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: -37.317+/-353.684 χ^2/NDF:27.0/17

Out: 489.194+/-342.620 χ^2/NDF:18.7/20

All: 234.302+/-246.087 χ^2/NDF: 46.8/38

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 851.358+/-0.482 χ^2/NDF:98382.5/1

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 860.678+/-0.472 χ^2/NDF:112497.4/1

Left: 856.119+/-0.337 χ^2/NDF: 211070.6/3

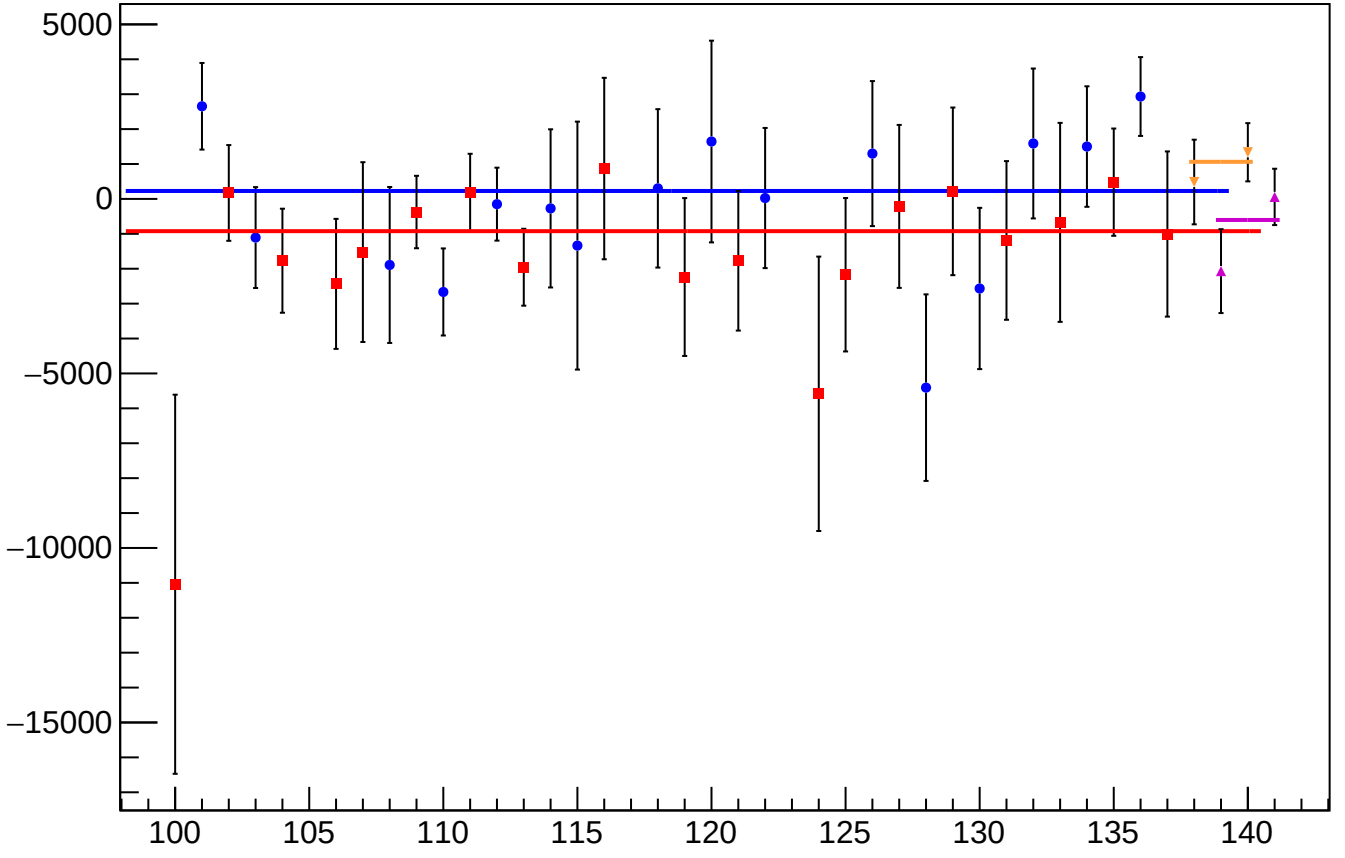
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 1013.700+/-0.250 χ^2/NDF:1335749.2/17

Out: 988.316+/-0.242 χ^2/NDF:1435573.3/20

All: 1000.605+/-0.174 χ^2/NDF: 2776637.0/38

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1063.058+/-687.248 χ^2/NDF:0.3/1

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -603.156+/-669.974 χ^2/NDF:2.2/1

Left: 208.748+/-479.734 χ^2/NDF: 5.5/3

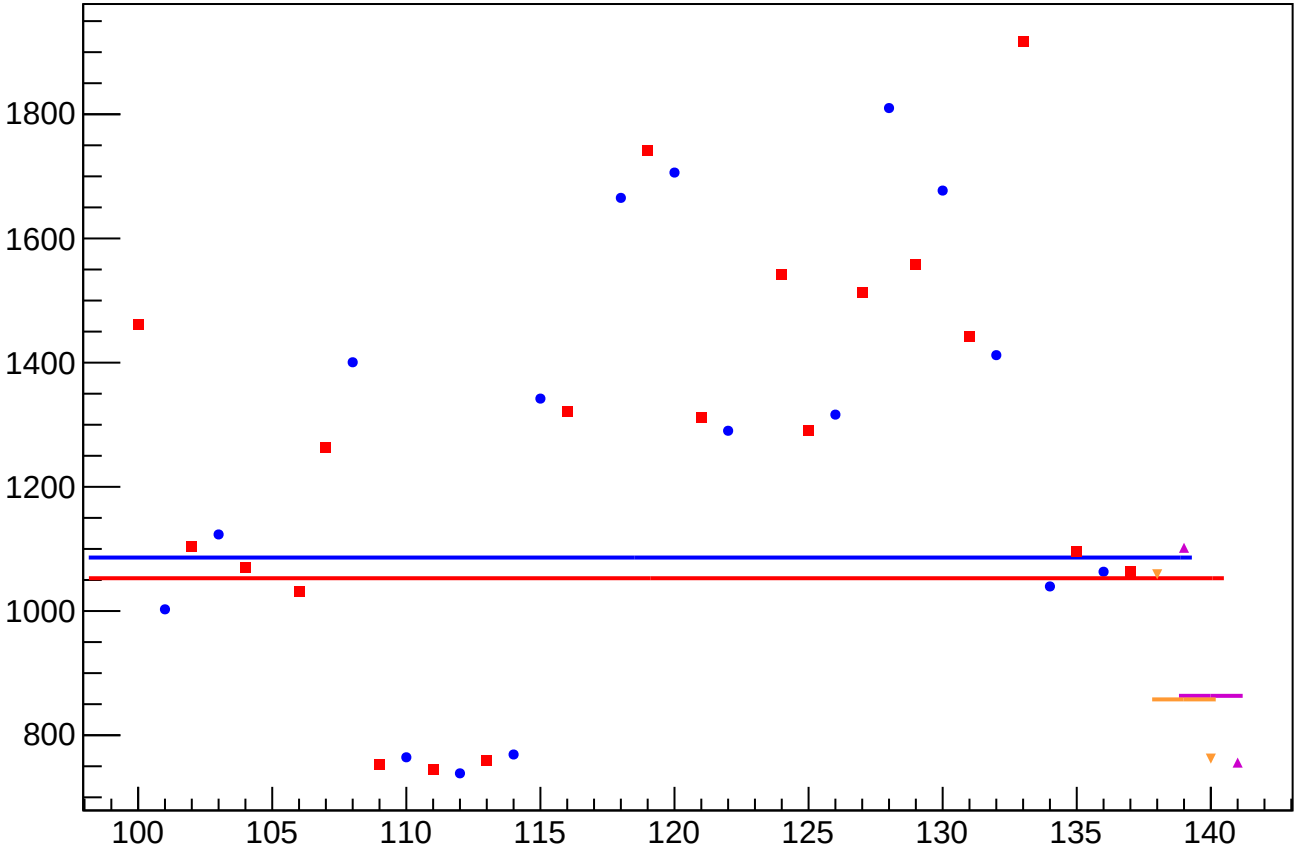
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -8.315+/-356.972 χ^2/NDF:27.7/17

Out: -415.107+/-347.704 χ^2/NDF:17.7/20

All: -217.061+/-249.076 χ^2/NDF: 46.1/38

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 857.700+/-0.486 χ^2/NDF:81363.2/1

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 863.425+/-0.474 χ^2/NDF:114203.6/1

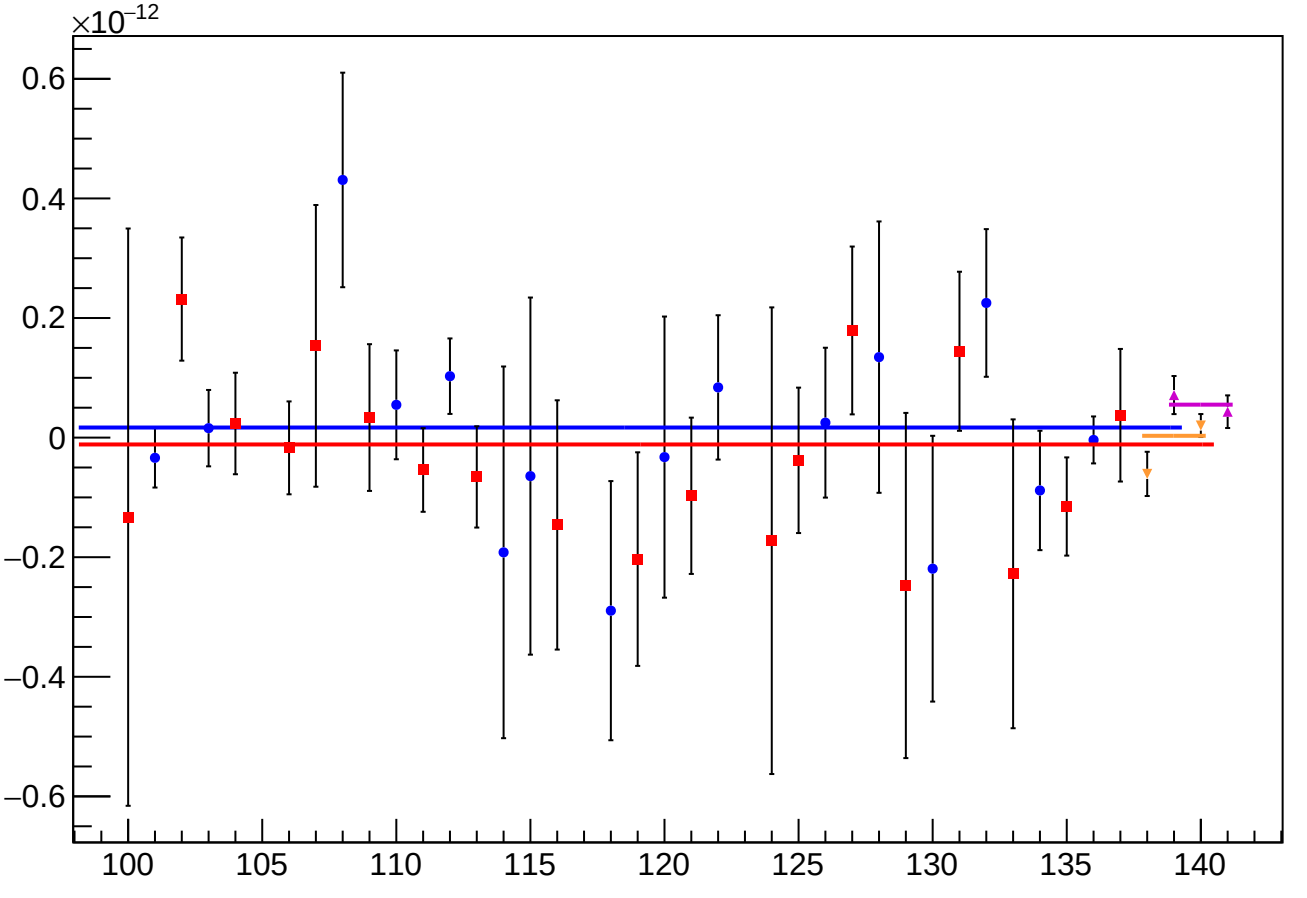
Left: 860.636+/-0.339 χ^2/NDF: 195638.0/3

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 1022.911+/-0.252 χ^2/NDF:1319946.3/17

Out: 1002.883+/-0.246 χ^2/NDF:1395745.8/20

All: 1012.634+/-0.176 χ^2/NDF: 2718922.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.8/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

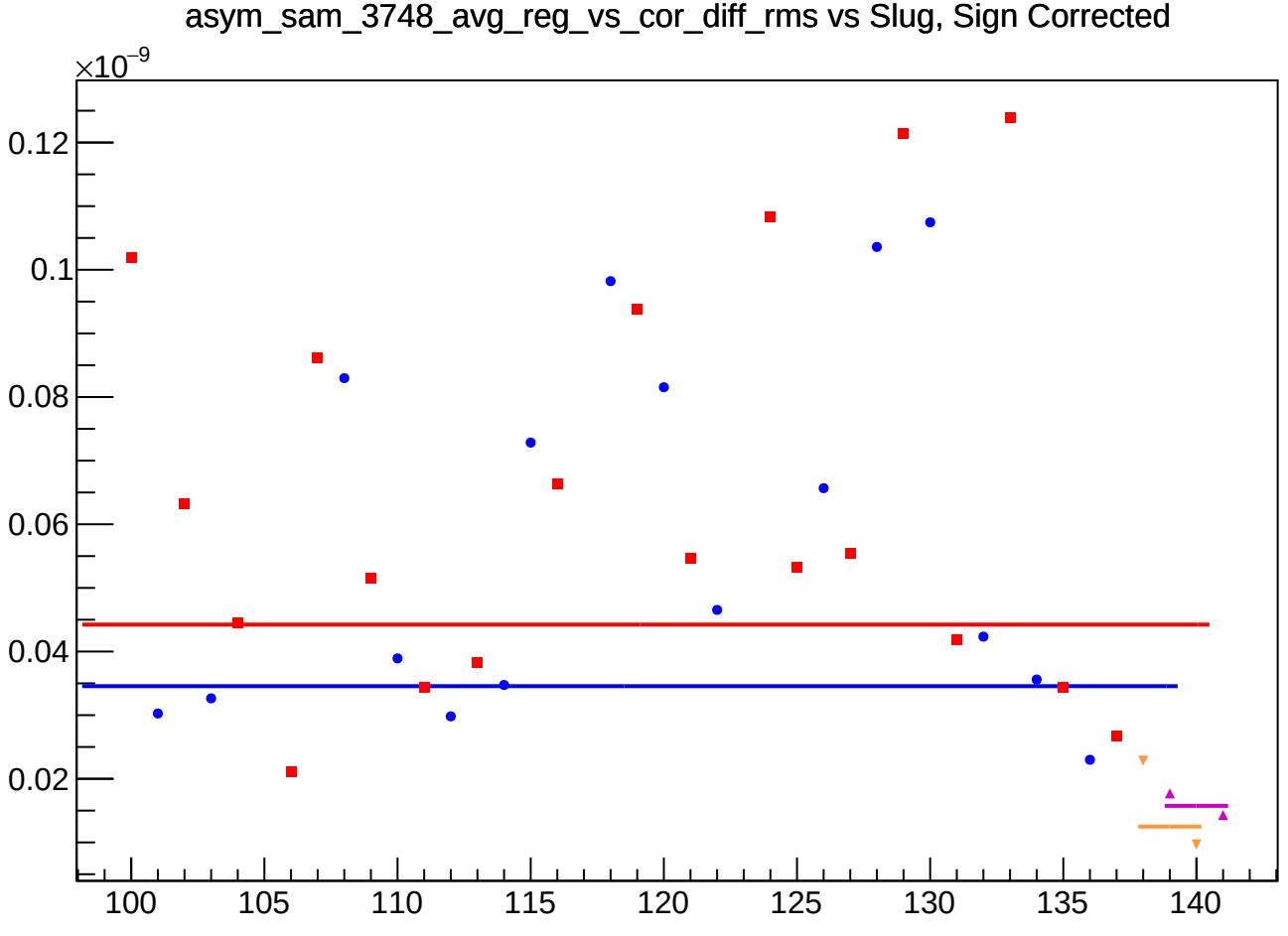
Left: 0.000+/-0.000 χ^2/NDF: 8.0/3

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:19.0/17

Out: -0.000+/-0.000 χ^2/NDF:19.8/20

All: 0.000+/-0.000 χ^2/NDF: 42.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:199210.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13115.9/1

Left: 0.000+/-0.000 χ^2/NDF: 241873.8/3

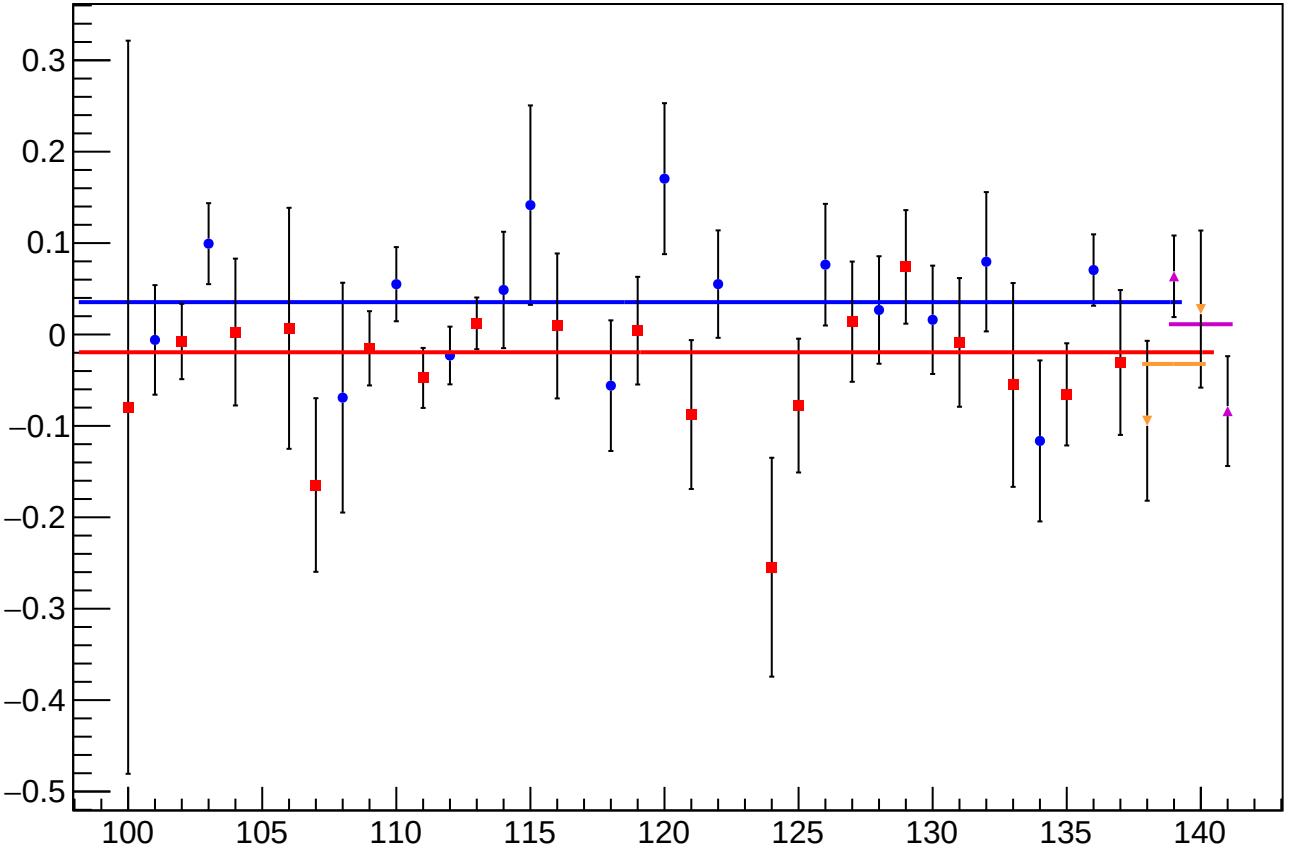
Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:1983580.0/17

Out: 0.000+/-0.000 χ^2/NDF:3261056.7/20

All: 0.000+/-0.000 χ^2/NDF: 5288561.4/38

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.032+/-0.061 χ^2/NDF:1.0/1

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.011+/-0.036 χ^2/NDF:3.9/1

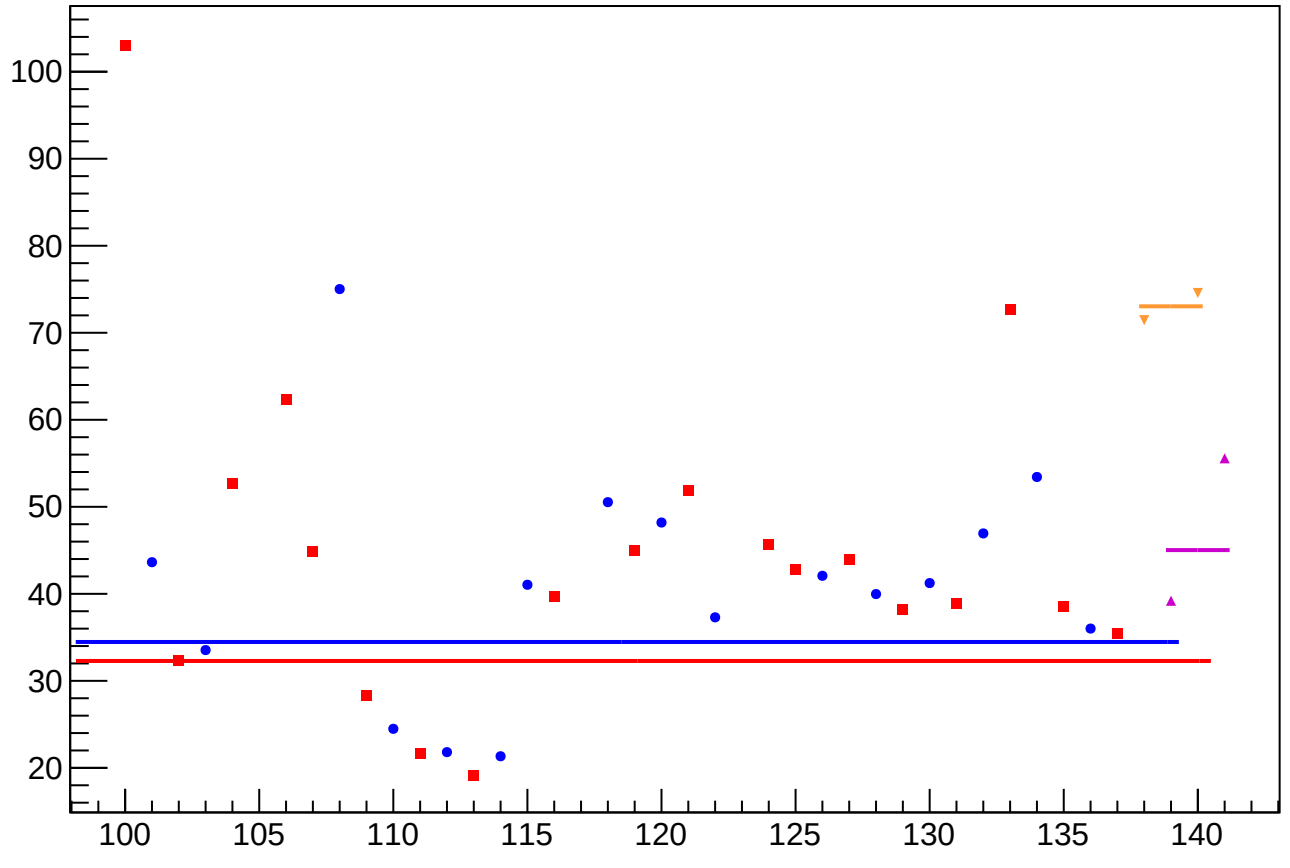
Left: 0.000+/-0.031 χ^2/NDF: 5.3/3

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.032+/-0.013 χ^2/NDF:21.2/17

Out: -0.020+/-0.013 χ^2/NDF:14.4/20

All: 0.006+/-0.009 χ^2/NDF: 43.8/38



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 73.039+/-0.043 χ^2/NDF:1297.0/1

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 45.026+/-0.025 χ^2/NDF:95642.1/1

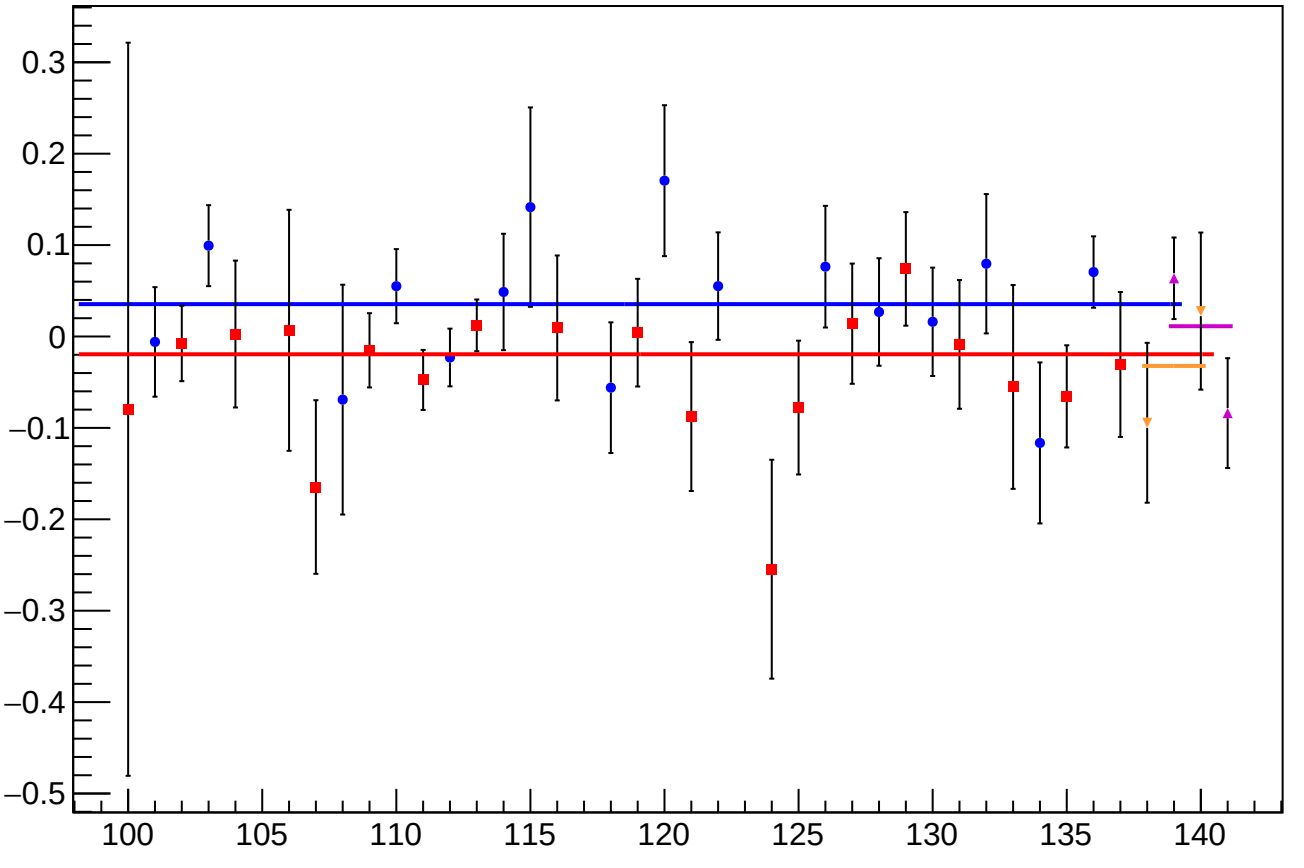
Left: 52.159+/-0.022 χ^2/NDF: 408286.1/3

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 35.848+/-0.009 χ^2/NDF:1417850.4/17

Out: 34.071+/-0.009 χ^2/NDF:2519273.1/20

All: 34.951+/-0.006 χ^2/NDF: 3956123.7/38



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.032+/-0.061 χ^2/NDF:1.0/1

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.011+/-0.036 χ^2/NDF:3.9/1

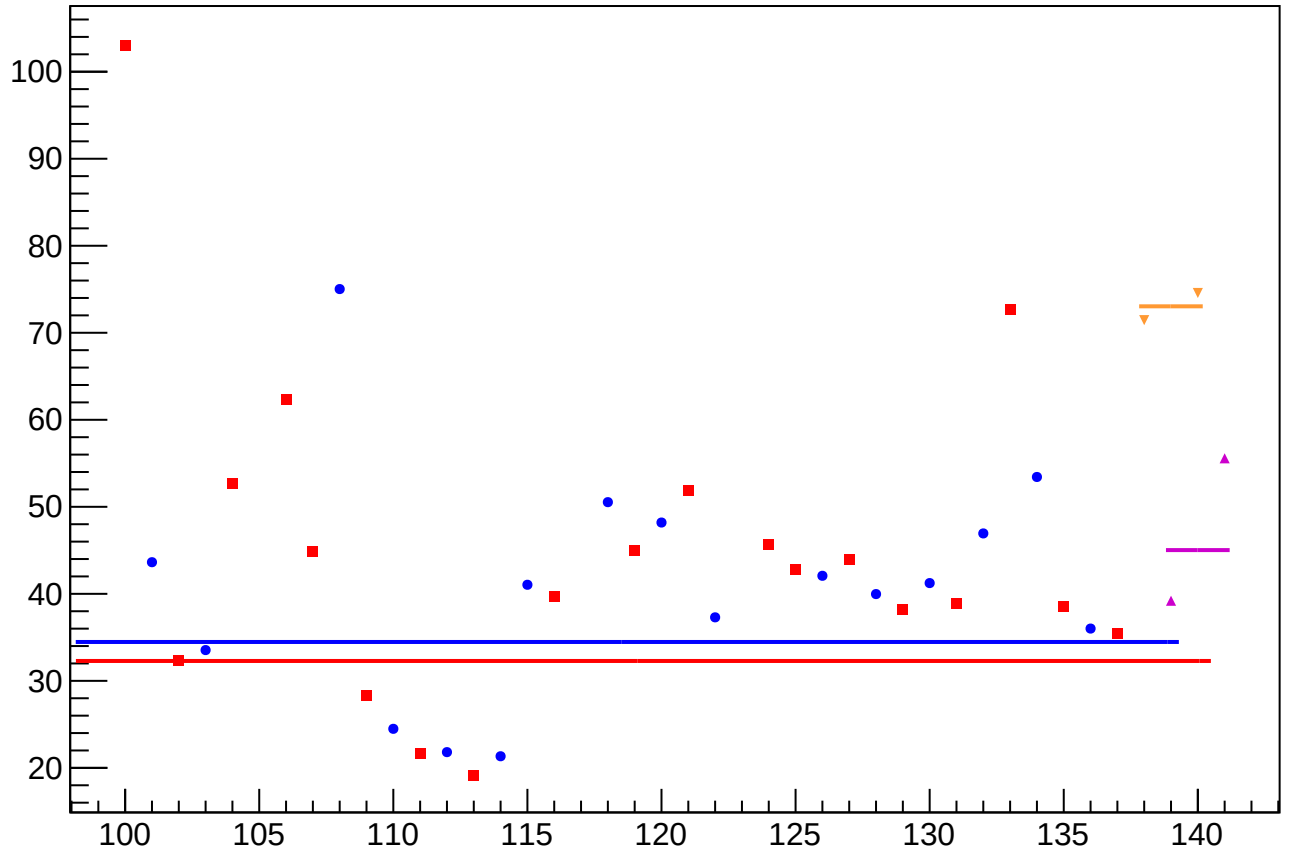
Left: 0.000+/-0.031 χ^2/NDF: 5.3/3

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.032+/-0.013 χ^2/NDF:21.2/17

Out: -0.020+/-0.013 χ^2/NDF:14.4/20

All: 0.006+/-0.009 χ^2/NDF: 43.8/38



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 73.039+/-0.043 χ^2/NDF:1297.0/1

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 45.026+/-0.025 χ^2/NDF:95642.1/1

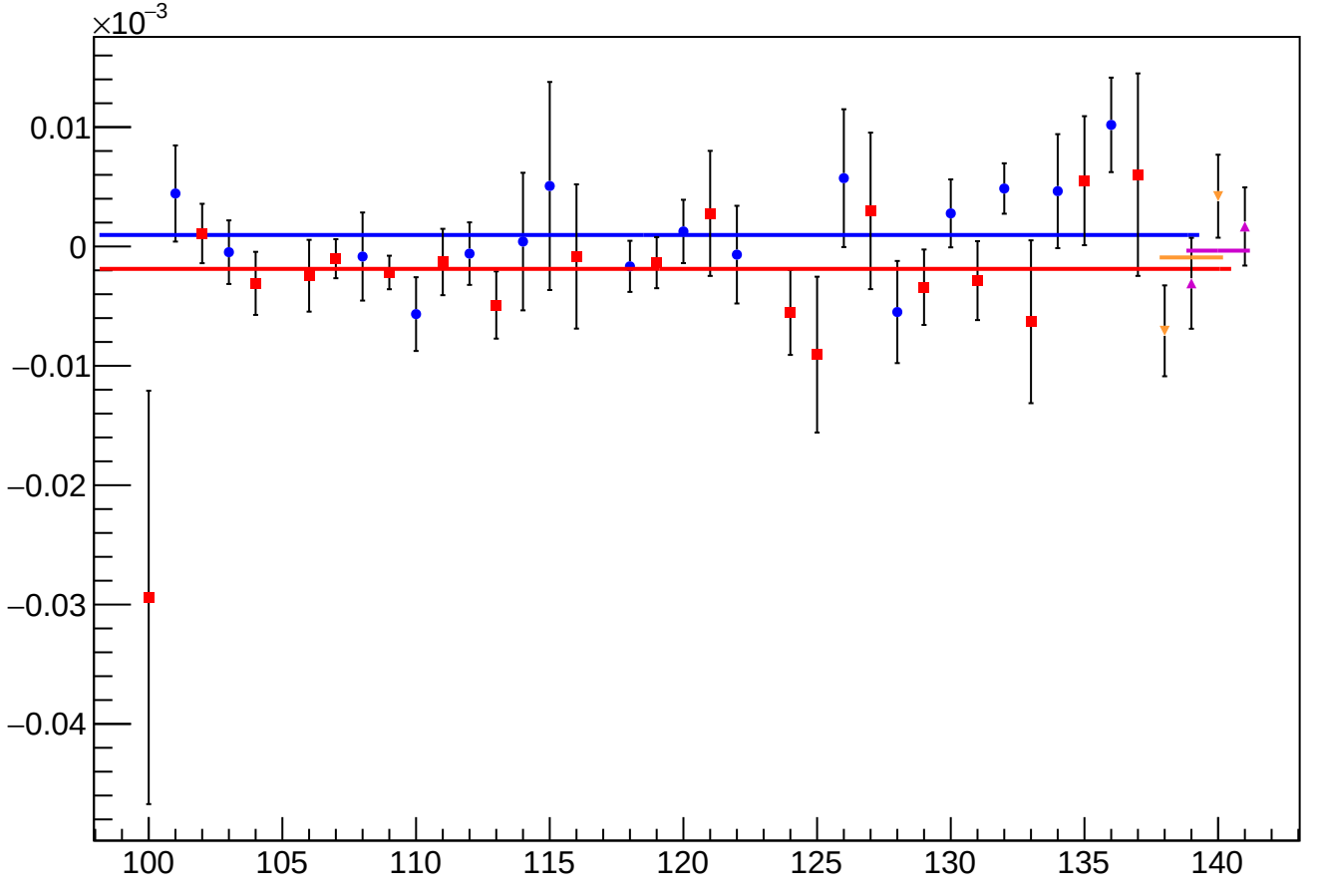
Left: 52.159+/-0.022 χ^2/NDF: 408286.1/3

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 35.848+/-0.009 χ^2/NDF:1417850.4/17

Out: 34.071+/-0.009 χ^2/NDF:2519273.1/20

All: 34.951+/-0.006 χ^2/NDF: 3956123.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/1

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

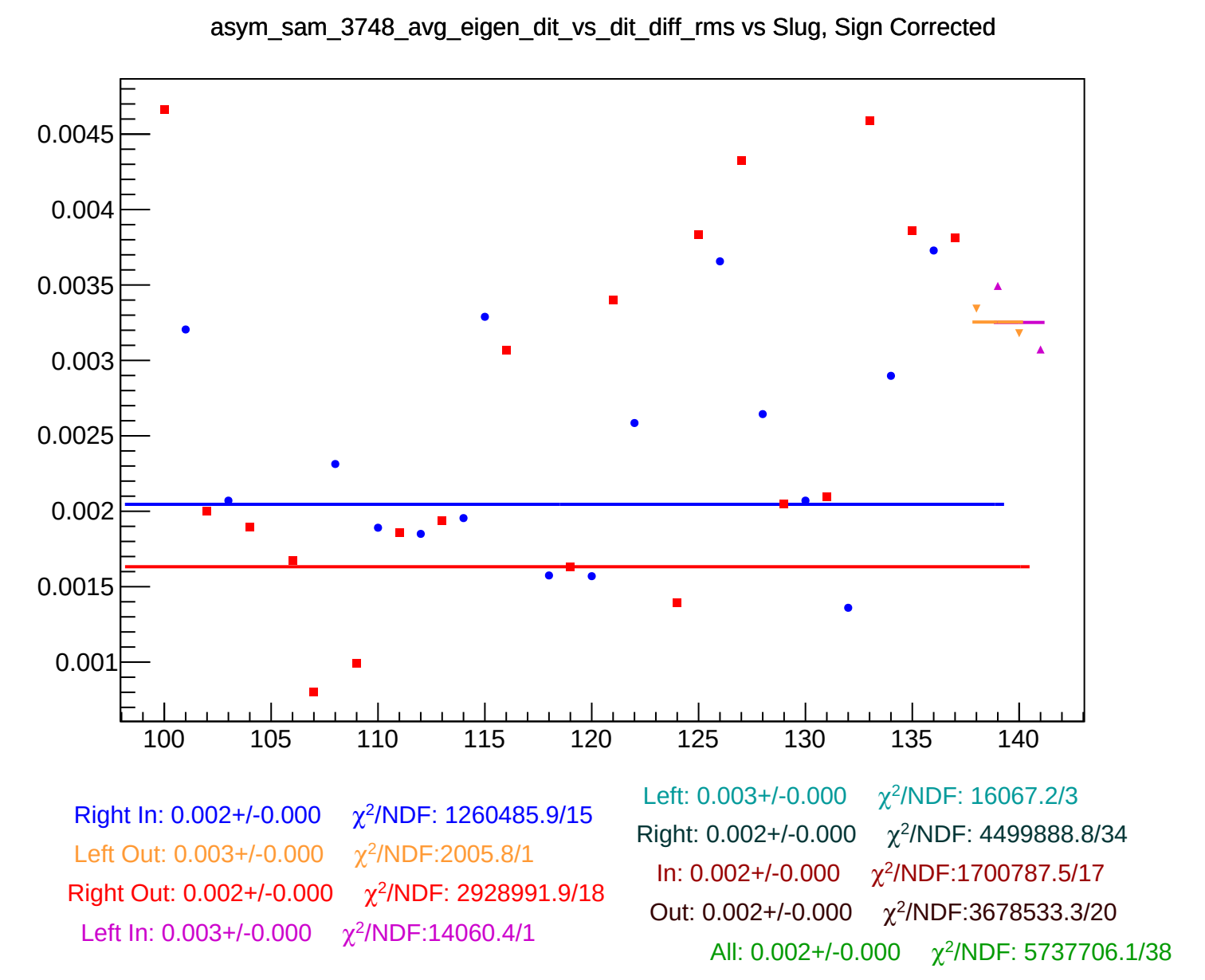
Left: -0.000+/-0.000 χ^2/NDF: 5.7/3

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

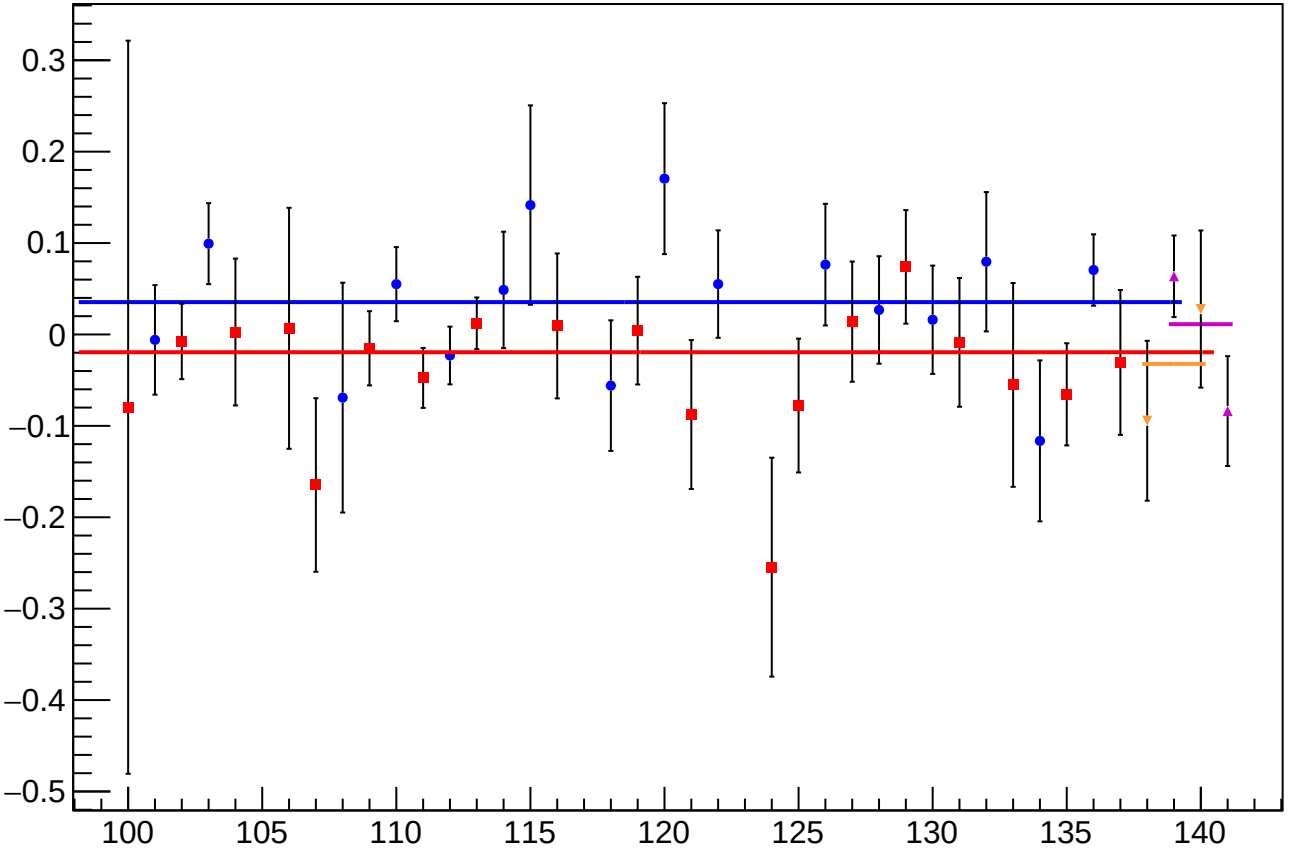
In: 0.000+/-0.000 χ^2/NDF:22.1/17

Out: -0.000+/-0.000 χ^2/NDF:17.8/20

All: -0.000+/-0.000 χ^2/NDF: 46.8/38


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
105
110
115
120
125
130
135
140
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.003+/-0.000 χ²/NDF:2005.8/1
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.003+/-0.000 χ²/NDF:14060.4/1
Left: 0.003+/-0.000 χ²/NDF: 16067.2/3
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:1700787.5/17
Out: 0.002+/-0.000 χ²/NDF:3678533.3/20
All: 0.002+/-0.000 χ²/NDF: 5737706.1/38

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.032+/-0.061 χ^2/NDF:1.0/1

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.011+/-0.036 χ^2/NDF:3.9/1

Left: 0.000+/-0.031 χ^2/NDF: 5.3/3

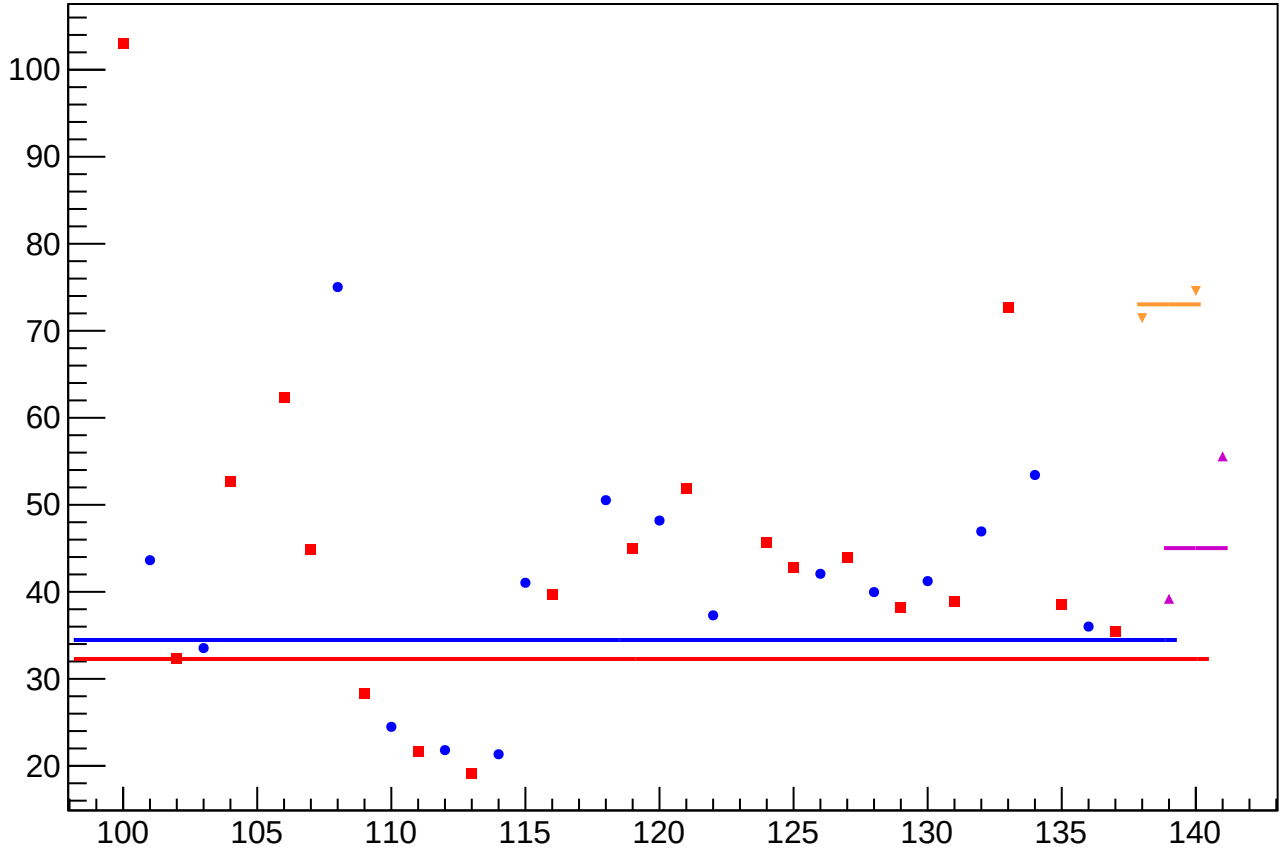
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.032+/-0.013 χ^2/NDF:21.2/17

Out: -0.020+/-0.013 χ^2/NDF:14.4/20

All: 0.006+/-0.009 χ^2/NDF: 43.8/38

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 73.040+/-0.043 χ^2/NDF:1298.4/1

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 45.026+/-0.025 χ^2/NDF:95652.8/1

Left: 52.159+/-0.022 χ^2/NDF: 408300.5/3

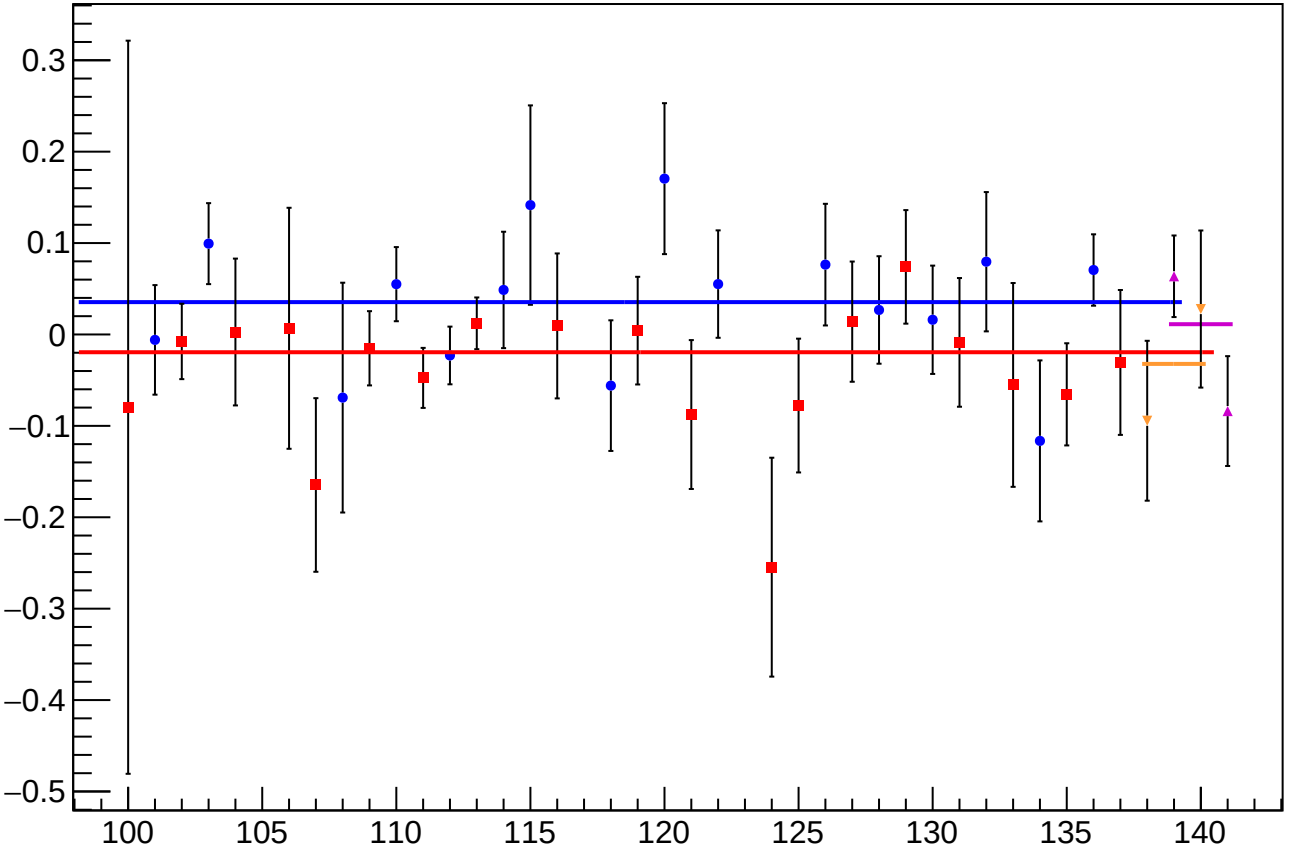
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 35.848+/-0.009 χ^2/NDF:1417806.5/17

Out: 34.071+/-0.009 χ^2/NDF:2519231.8/20

All: 34.952+/-0.006 χ^2/NDF: 3956036.6/38

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.032+/-0.061 χ^2/NDF:1.0/1

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.011+/-0.036 χ^2/NDF:3.9/1

Left: 0.000+/-0.031 χ^2/NDF: 5.3/3

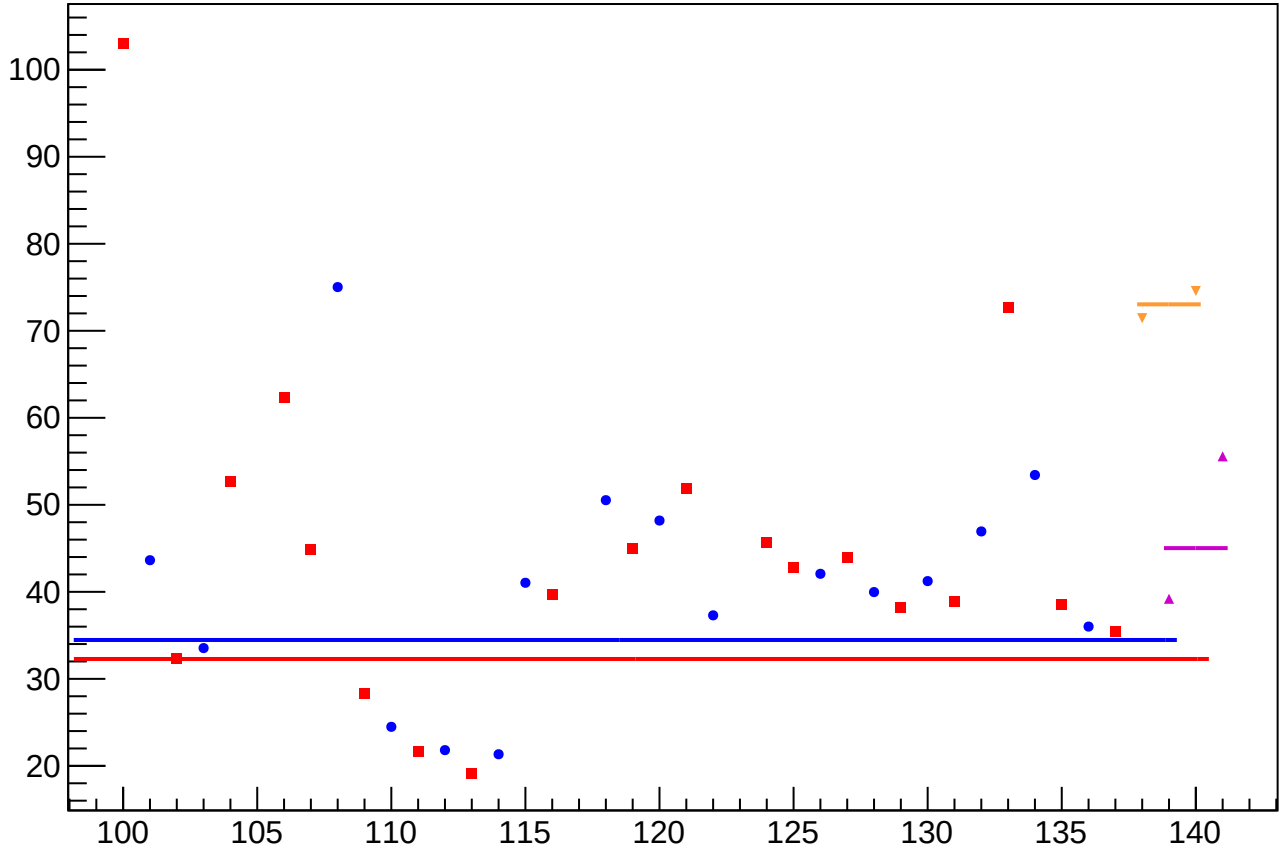
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.032+/-0.013 χ^2/NDF:21.2/17

Out: -0.020+/-0.013 χ^2/NDF:14.4/20

All: 0.006+/-0.009 χ^2/NDF: 43.8/38

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 73.040+/-0.043 χ^2/NDF:1298.4/1

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 45.026+/-0.025 χ^2/NDF:95652.8/1

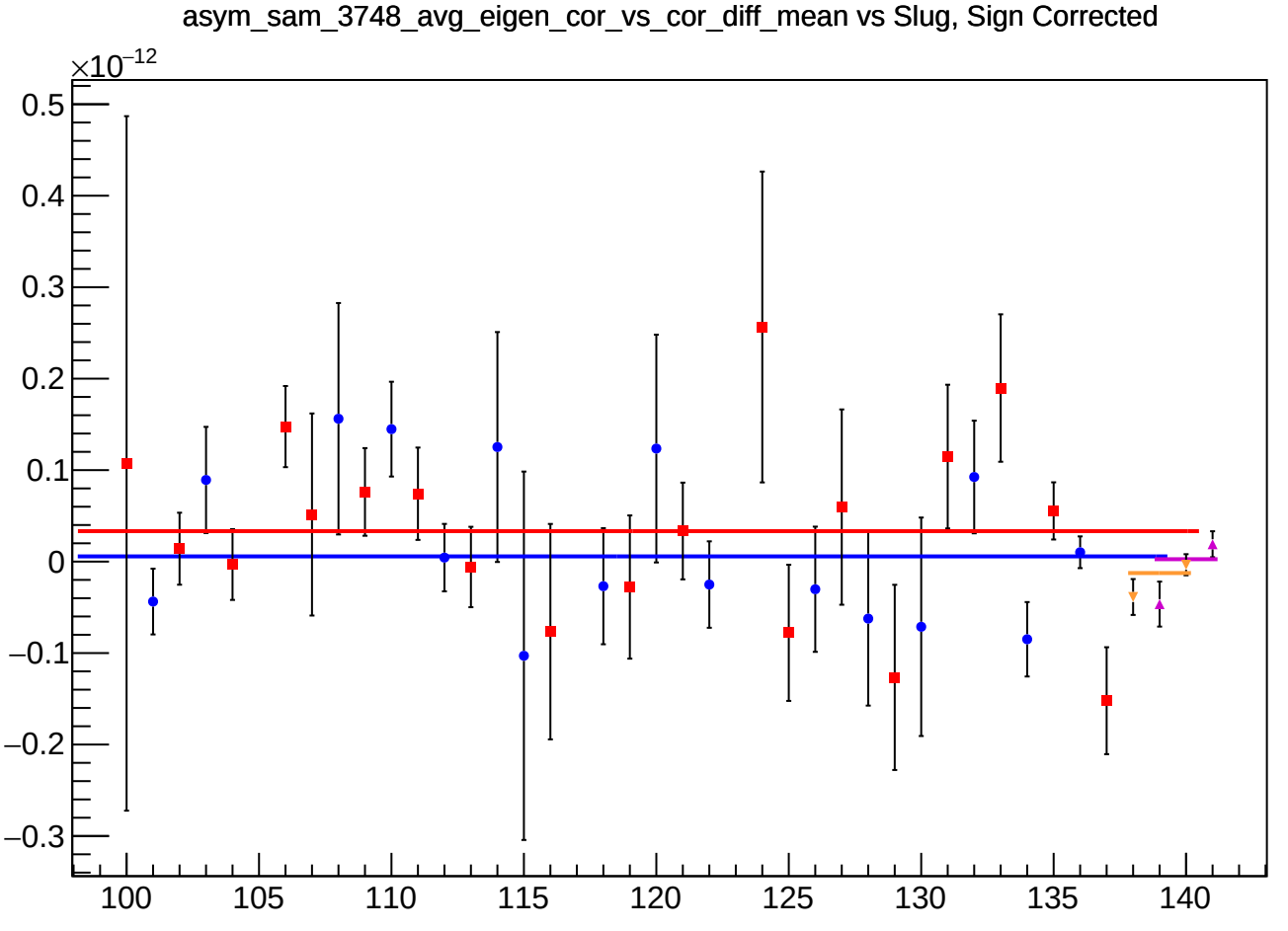
Left: 52.159+/-0.022 χ^2/NDF: 408300.5/3

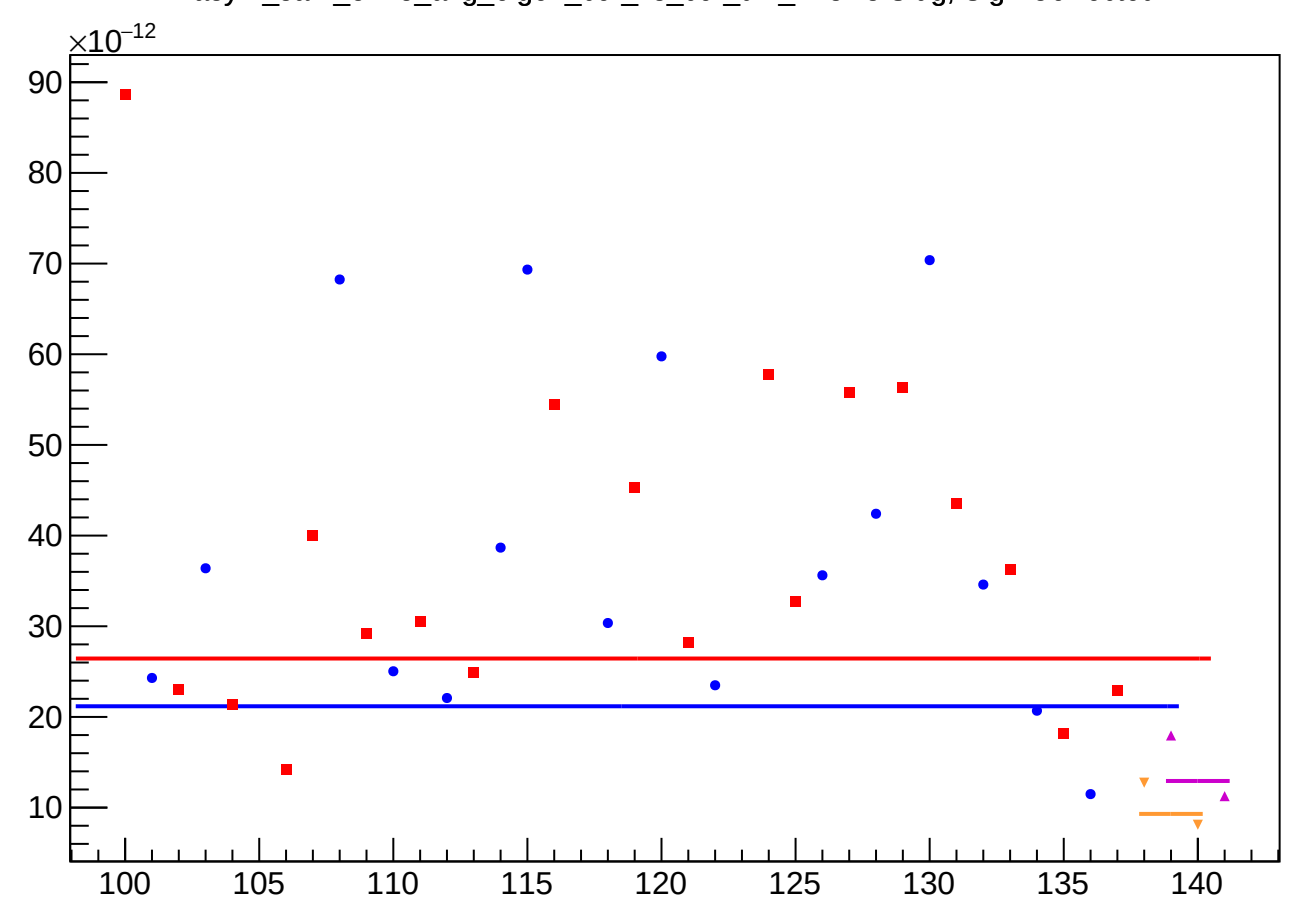
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 35.848+/-0.009 χ^2/NDF:1417806.5/17

Out: 34.071+/-0.009 χ^2/NDF:2519231.8/20

All: 34.952+/-0.006 χ^2/NDF: 3956036.6/38


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:2.4/1
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:5.3/1
Left: -0.000+/-0.000 χ²/NDF: 8.6/3
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:28.9/17
Out: 0.000+/-0.000 χ²/NDF:43.7/20
All: 0.000+/-0.000 χ²/NDF: 72.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:83031.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

Left In: 0.000+/-0.000 χ^2/NDF:111159.6/1

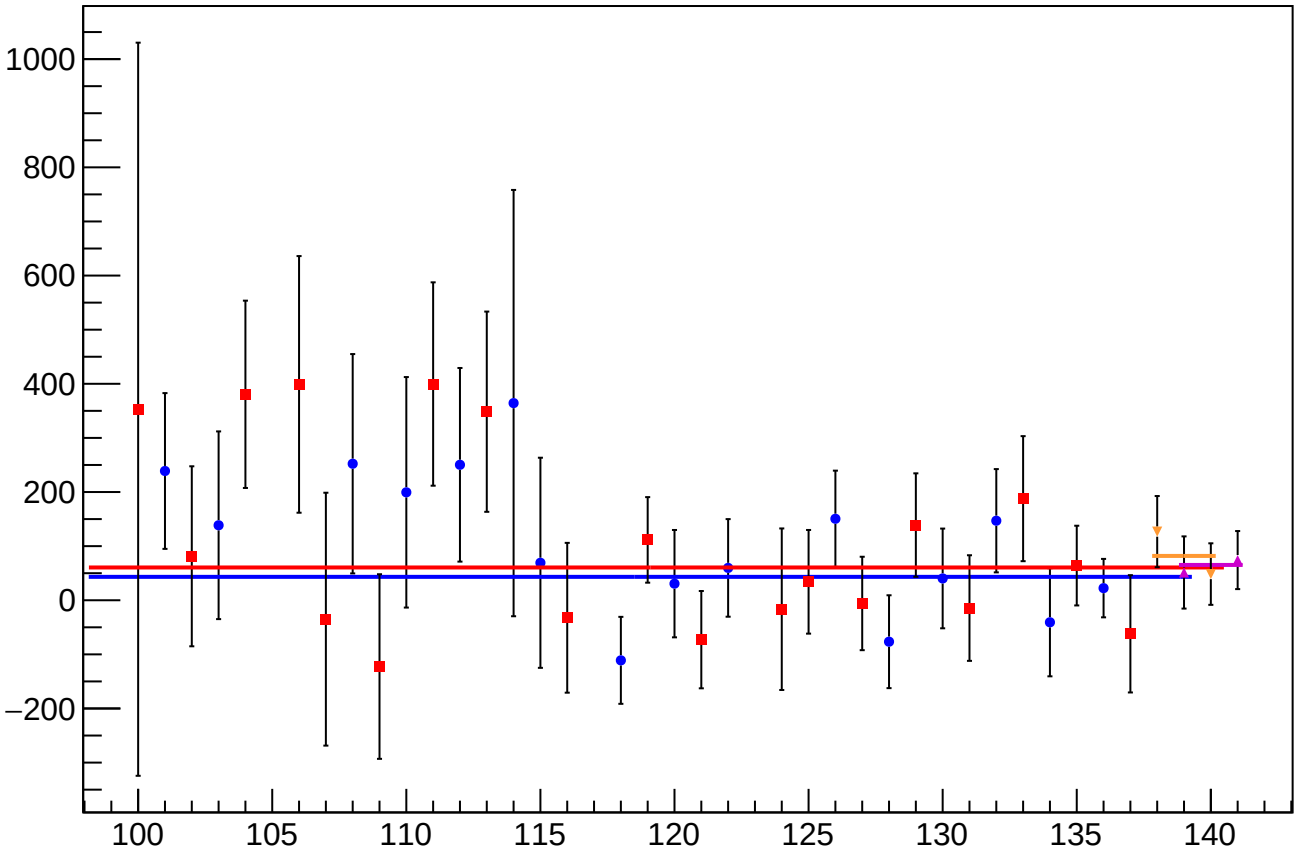
Left: 0.000+/-0.000 χ^2/NDF: 299634.4/3

Right: 0.000+/-0.000 χ^2/NDF: 3483999.9/34

In: 0.000+/-0.000 χ^2/NDF:2674966.2/17

Out: 0.000+/-0.000 χ^2/NDF:3484766.8/20

All: 0.000+/-0.000 χ^2/NDF: 6205961.6/38



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 81.920+/-43.013 χ^2/NDF:0.8/1

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 65.247+/-41.803 χ^2/NDF:0.1/1

Left: 73.345+/-29.978 χ^2/NDF: 1.0/3

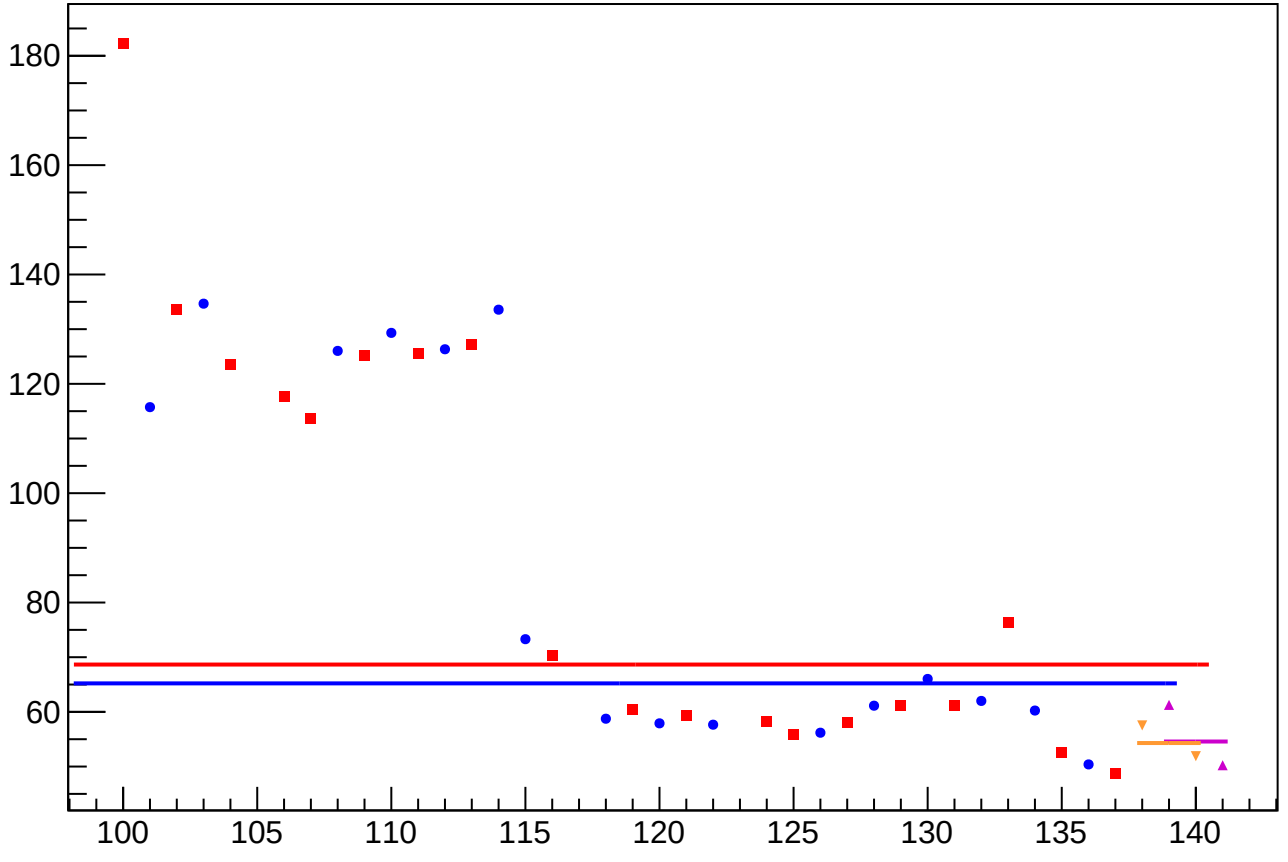
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 49.309+/-21.943 χ^2/NDF:15.2/17

Out: 66.579+/-22.804 χ^2/NDF:21.4/20

All: 57.612+/-15.812 χ^2/NDF: 36.9/38

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 54.302+/-0.030 χ^2/NDF:8388.9/1

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 54.578+/-0.030 χ^2/NDF:33257.7/1

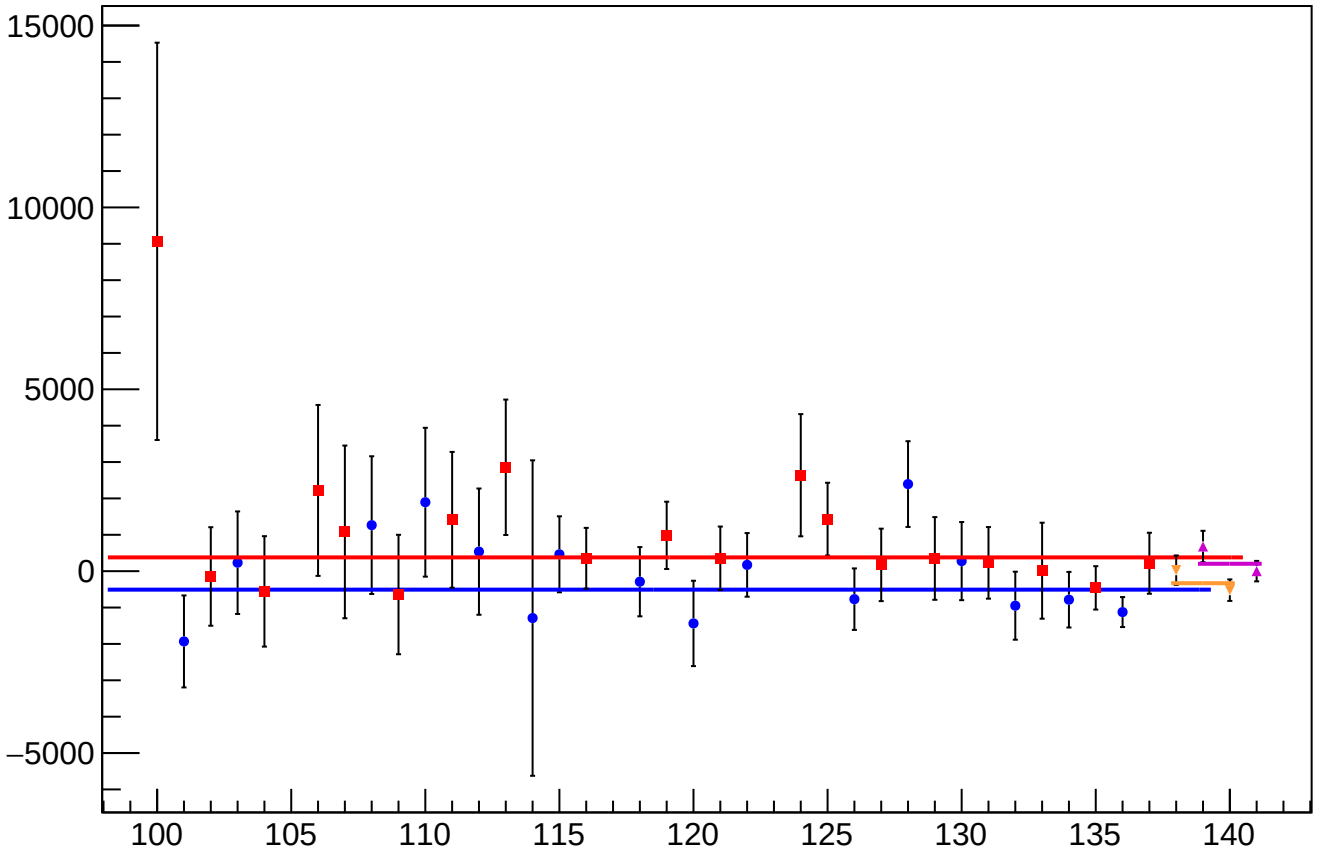
Left: 54.444+/-0.021 χ^2/NDF: 41689.0/3

Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 62.282+/-0.016 χ^2/NDF:1573527.3/17

Out: 64.622+/-0.016 χ^2/NDF:1809425.4/20

All: 63.407+/-0.011 χ^2/NDF: 3393882.8/38



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -330.707+/-238.806 χ^2/NDF:1.2/1

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 203.481+/-235.488 χ^2/NDF:1.7/1

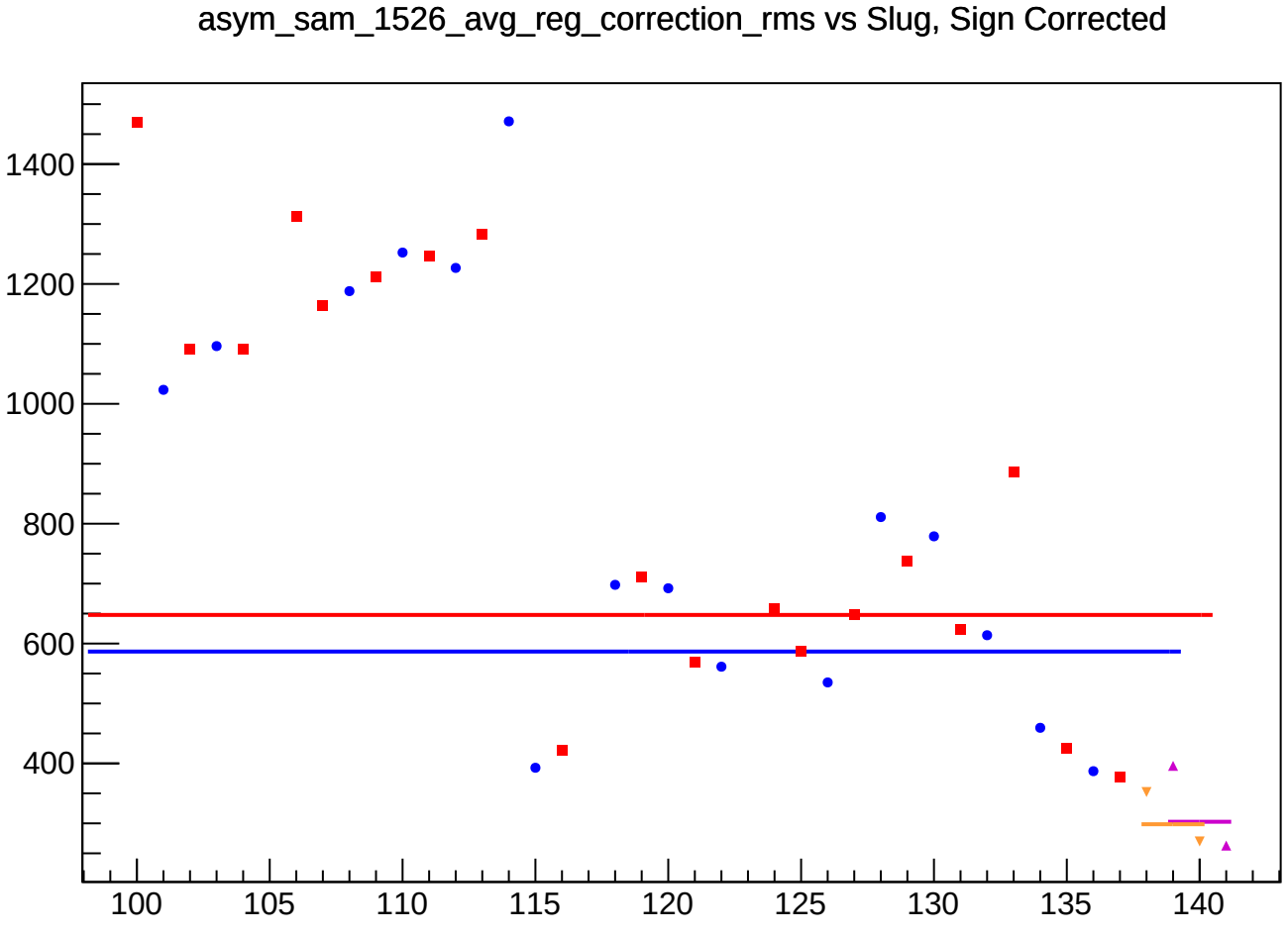
Left: -59.875+/-167.676 χ^2/NDF: 5.5/3

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -150.029+/-167.028 χ^2/NDF:21.9/17

Out: -1.097+/-174.753 χ^2/NDF:17.0/20

All: -78.928+/-120.745 χ^2/NDF: 39.3/38



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 298.511+/-0.169 χ^2/NDF:54057.4/1

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 302.662+/-0.167 χ^2/NDF:133675.7/1

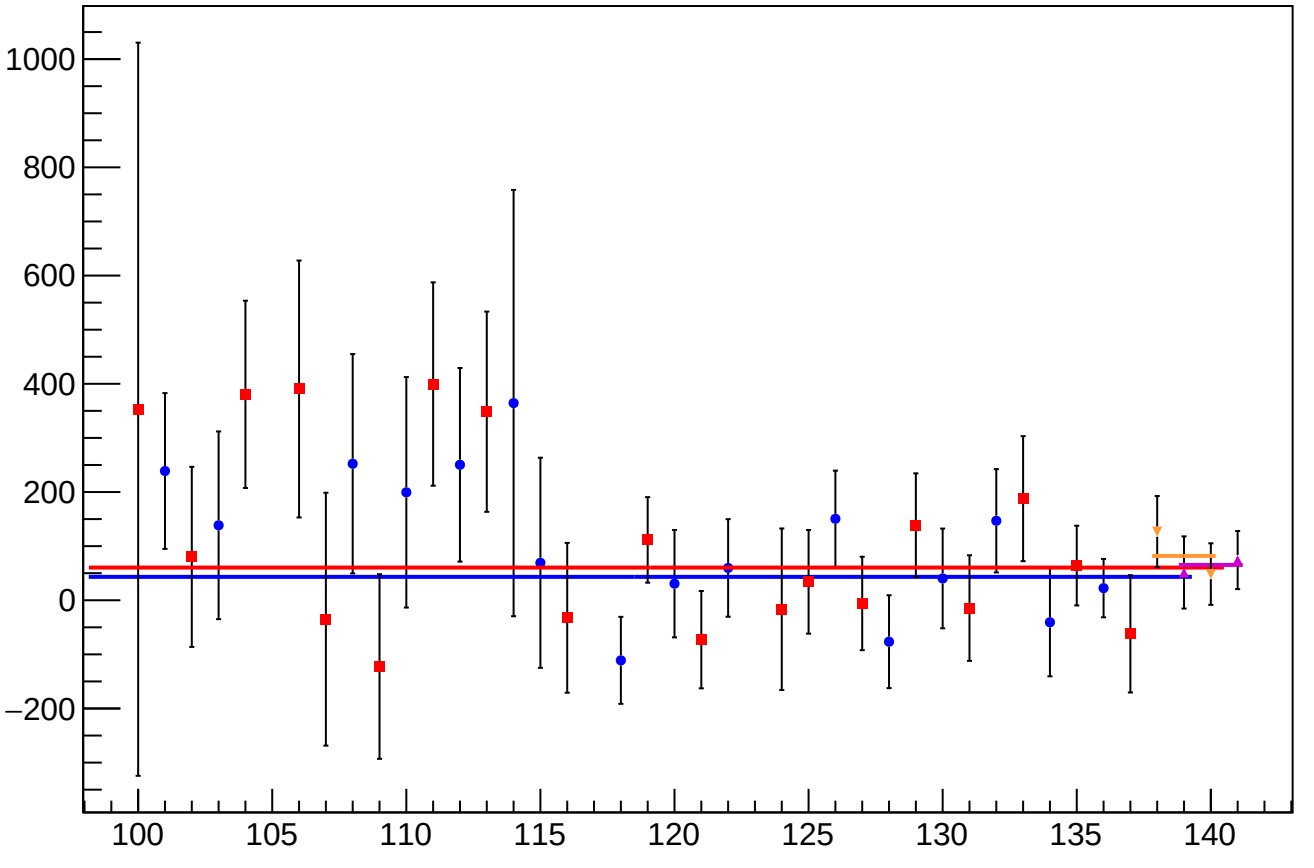
Left: 300.616+/-0.119 χ^2/NDF: 188039.5/3

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 443.778+/-0.118 χ^2/NDF:3632124.1/17

Out: 460.727+/-0.124 χ^2/NDF:4146420.6/20

All: 451.869+/-0.085 χ^2/NDF: 7788377.1/38



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 81.923+/-43.013 χ^2/NDF:0.8/1

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 65.256+/-41.803 χ^2/NDF:0.1/1

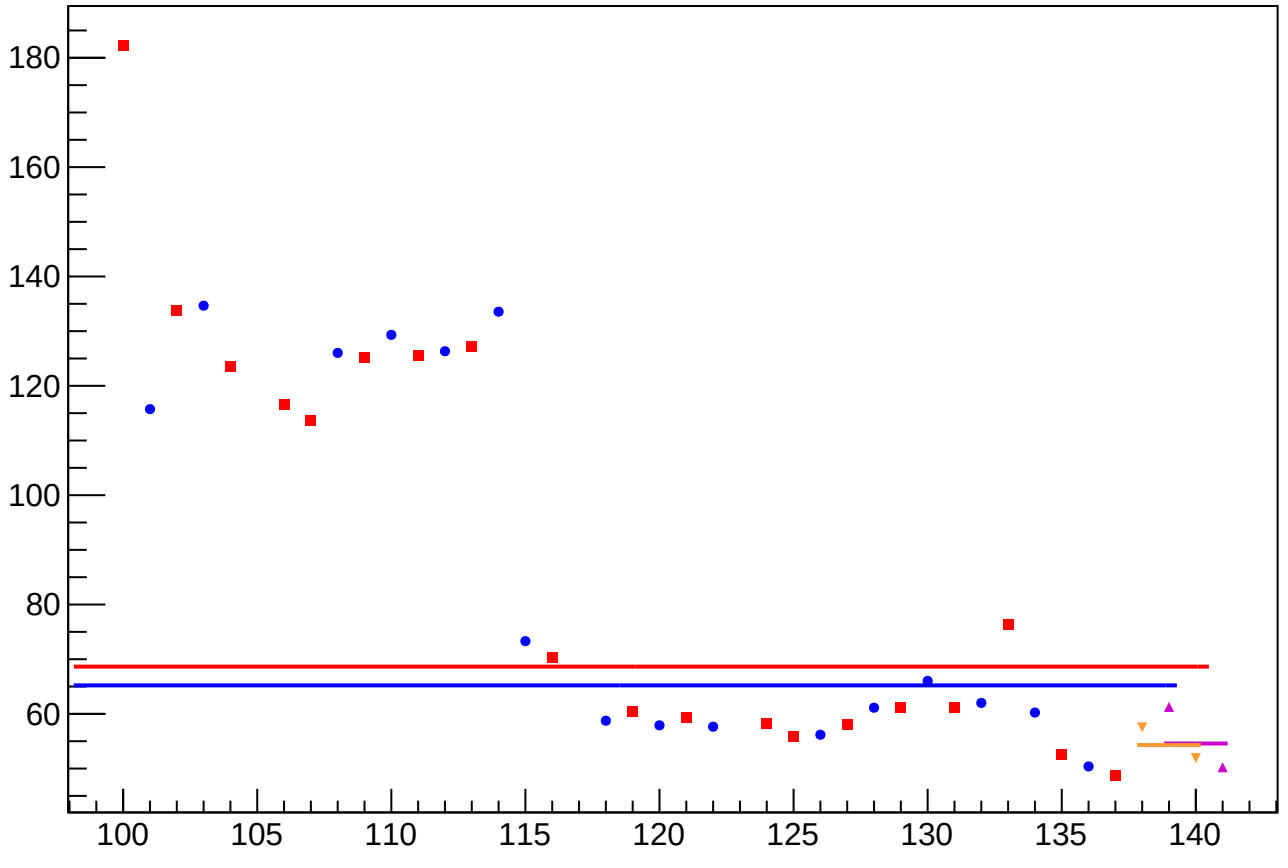
Left: 73.352+/-29.978 χ^2/NDF: 1.0/3

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 49.306+/-21.943 χ^2/NDF:15.2/17

Out: 66.473+/-22.804 χ^2/NDF:21.3/20

All: 57.559+/-15.812 χ^2/NDF: 36.8/38



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 54.302+/-0.030 χ^2/NDF:8388.9/1

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 54.578+/-0.030 χ^2/NDF:33257.7/1

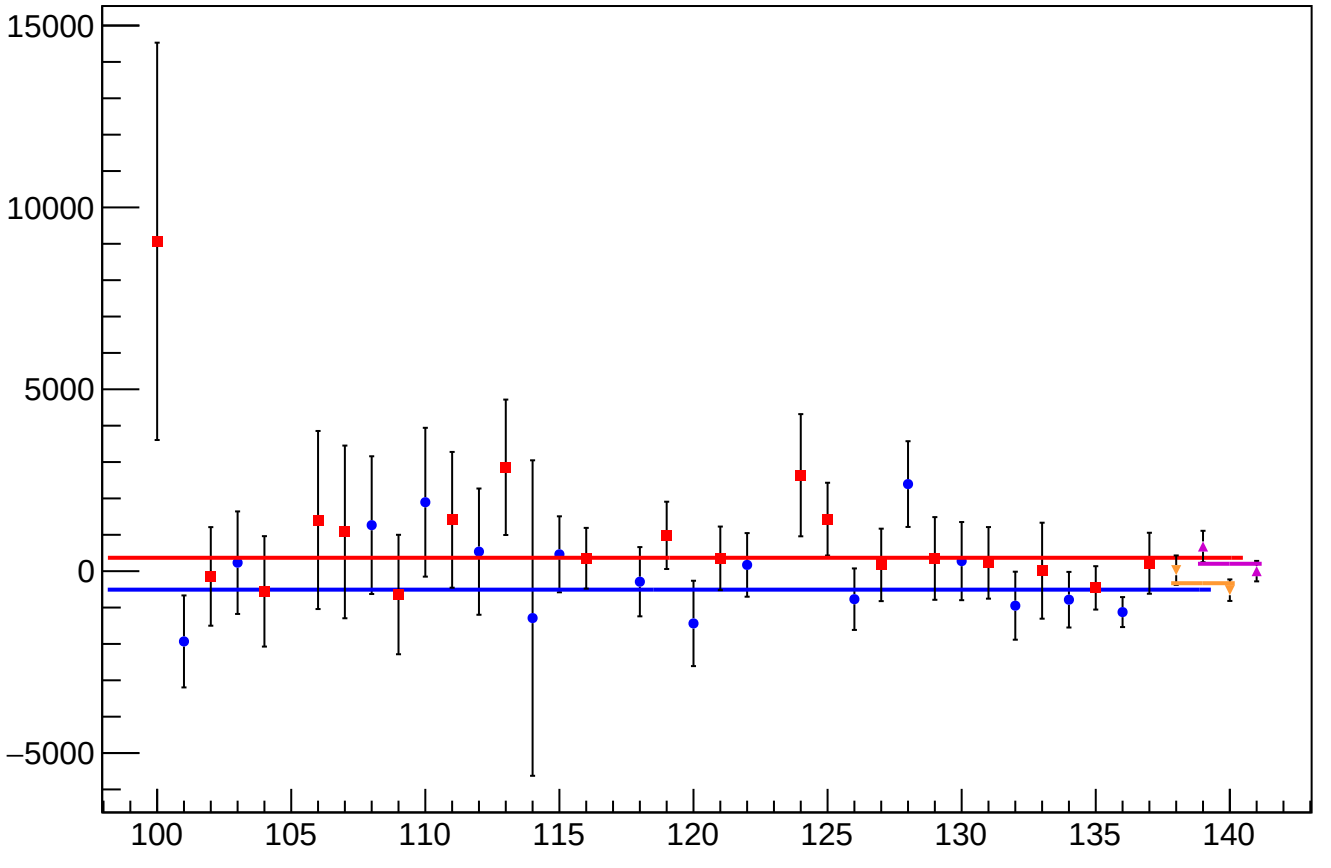
Left: 54.444+/-0.021 χ^2/NDF: 41689.0/3

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 62.282+/-0.016 χ^2/NDF:1573529.6/17

Out: 64.611+/-0.016 χ^2/NDF:1805759.2/20

All: 63.402+/-0.011 χ^2/NDF: 3390120.5/38



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -330.698+/-238.806 χ^2/NDF:1.2/1

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 203.489+/-235.488 χ^2/NDF:1.7/1

Left: -59.867+/-167.676 χ^2/NDF: 5.5/3

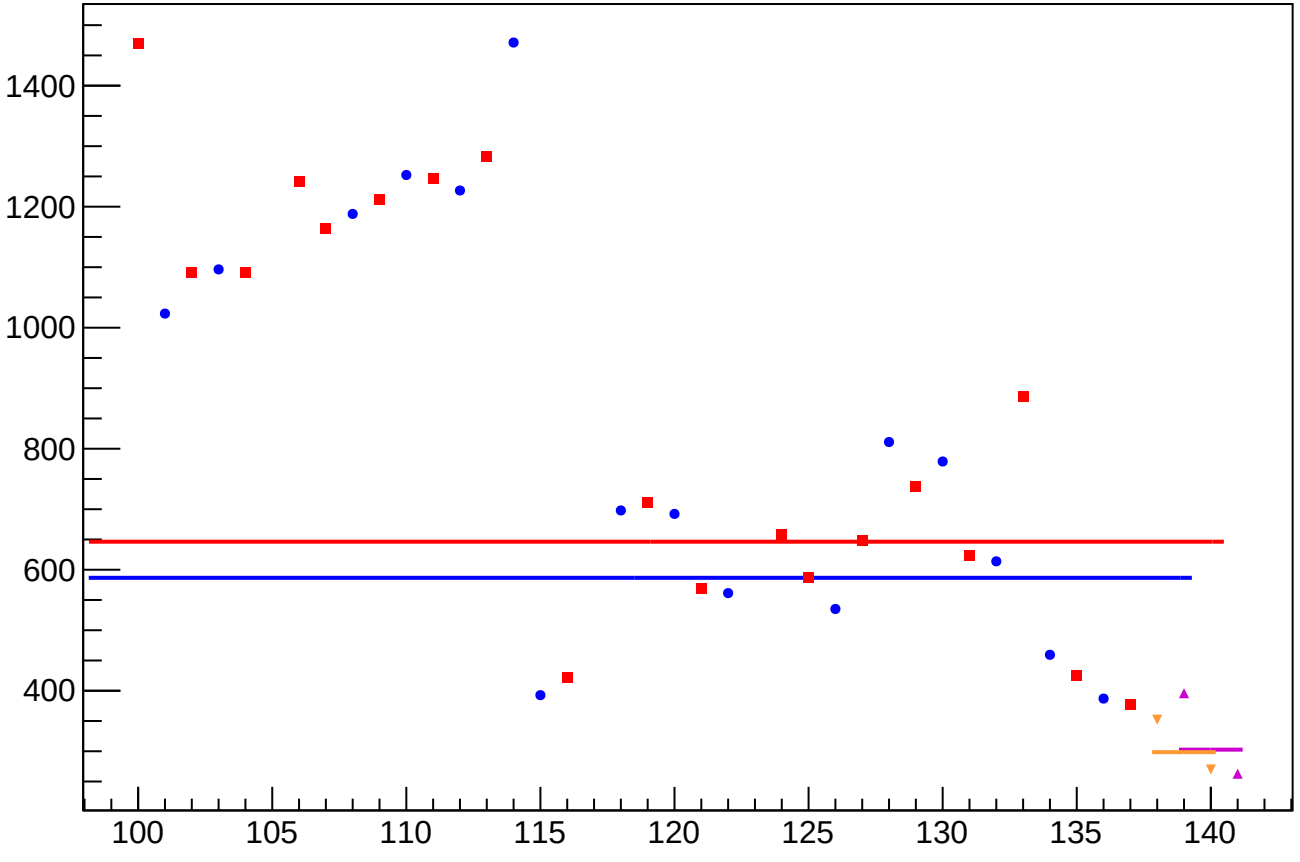
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -150.017+/-167.028 χ^2/NDF:21.9/17

Out: -6.168+/-174.793 χ^2/NDF:16.5/20

All: -81.359+/-120.758 χ^2/NDF: 38.7/38

asym_sam_1526_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 298.511+/-0.169 χ^2/NDF:54057.8/1

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 302.662+/-0.167 χ^2/NDF:133674.8/1

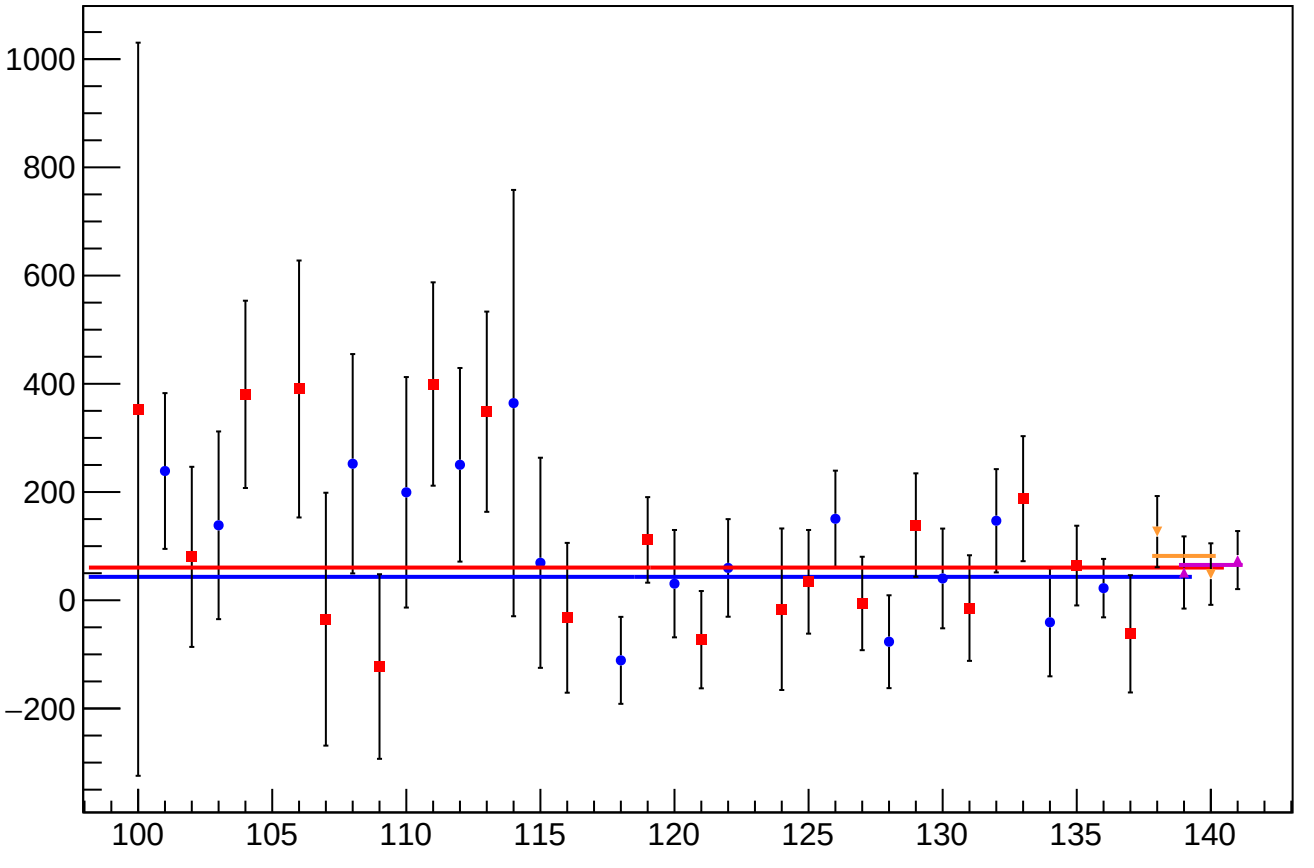
Left: 300.615+/-0.119 χ^2/NDF: 188039.0/3

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 443.777+/-0.118 χ^2/NDF:3632152.4/17

Out: 459.987+/-0.124 χ^2/NDF:4086942.1/20

All: 451.514+/-0.085 χ^2/NDF: 7728085.0/38



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 81.923+/-43.013 χ^2/NDF:0.8/1

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 65.256+/-41.803 χ^2/NDF:0.1/1

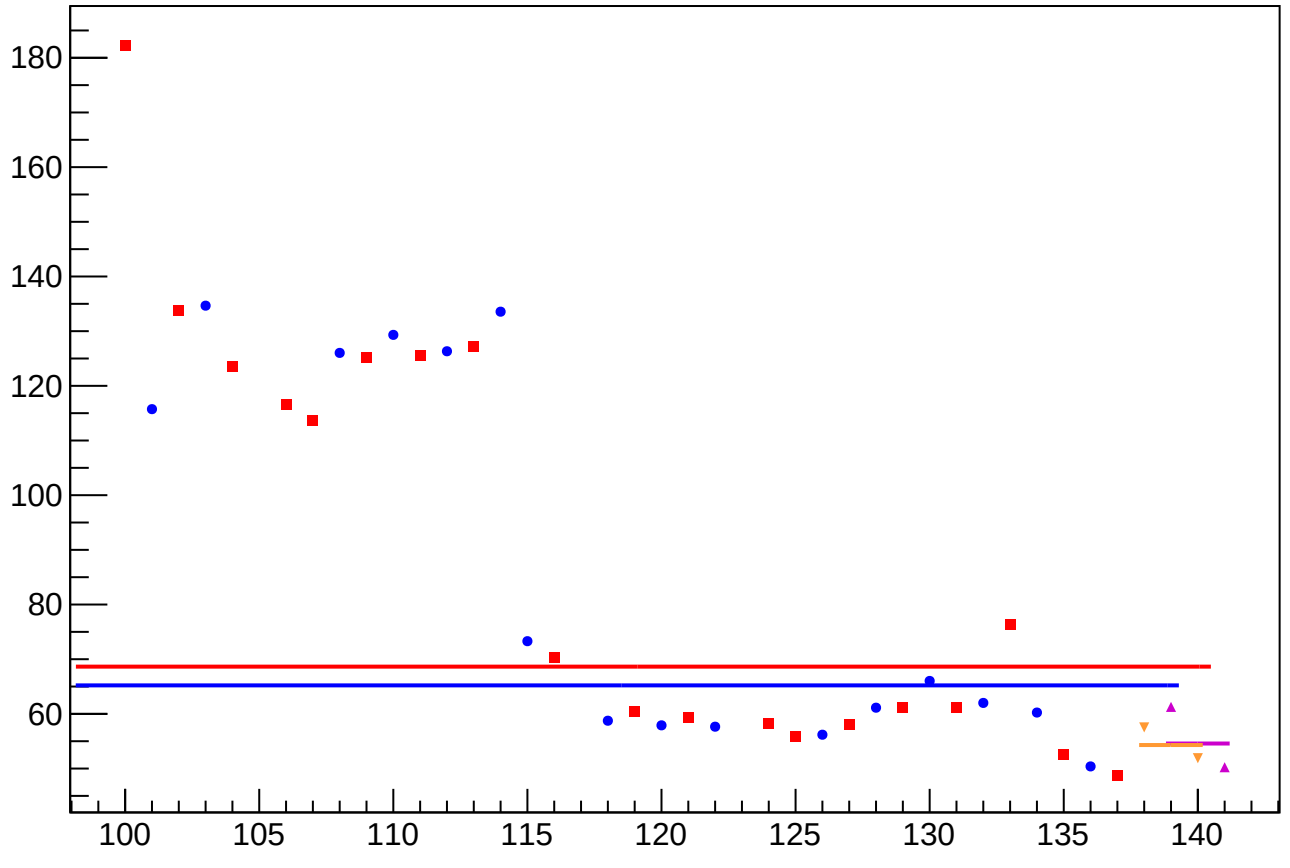
Left: 73.352+/-29.978 χ^2/NDF: 1.0/3

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 49.306+/-21.943 χ^2/NDF:15.2/17

Out: 66.473+/-22.804 χ^2/NDF:21.3/20

All: 57.559+/-15.812 χ^2/NDF: 36.8/38



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 54.302+/-0.030 χ^2/NDF:8388.9/1

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 54.578+/-0.030 χ^2/NDF:33257.7/1

Left: 54.444+/-0.021 χ^2/NDF: 41689.0/3

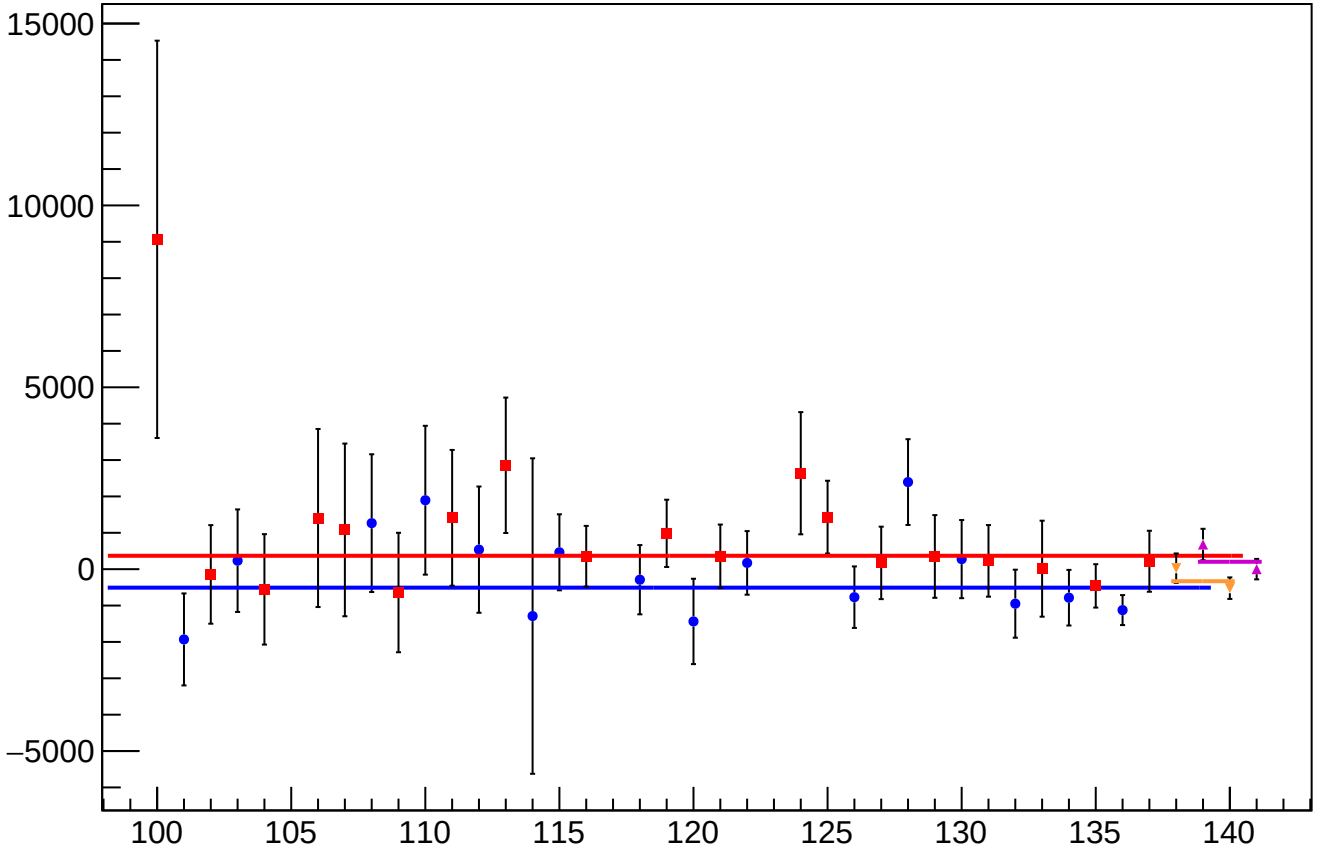
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 62.282+/-0.016 χ^2/NDF:1573529.6/17

Out: 64.611+/-0.016 χ^2/NDF:1805759.2/20

All: 63.402+/-0.011 χ^2/NDF: 3390120.5/38

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -330.698+/-238.806 χ^2/NDF:1.2/1

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 203.489+/-235.488 χ^2/NDF:1.7/1

Left: -59.867+/-167.676 χ^2/NDF: 5.5/3

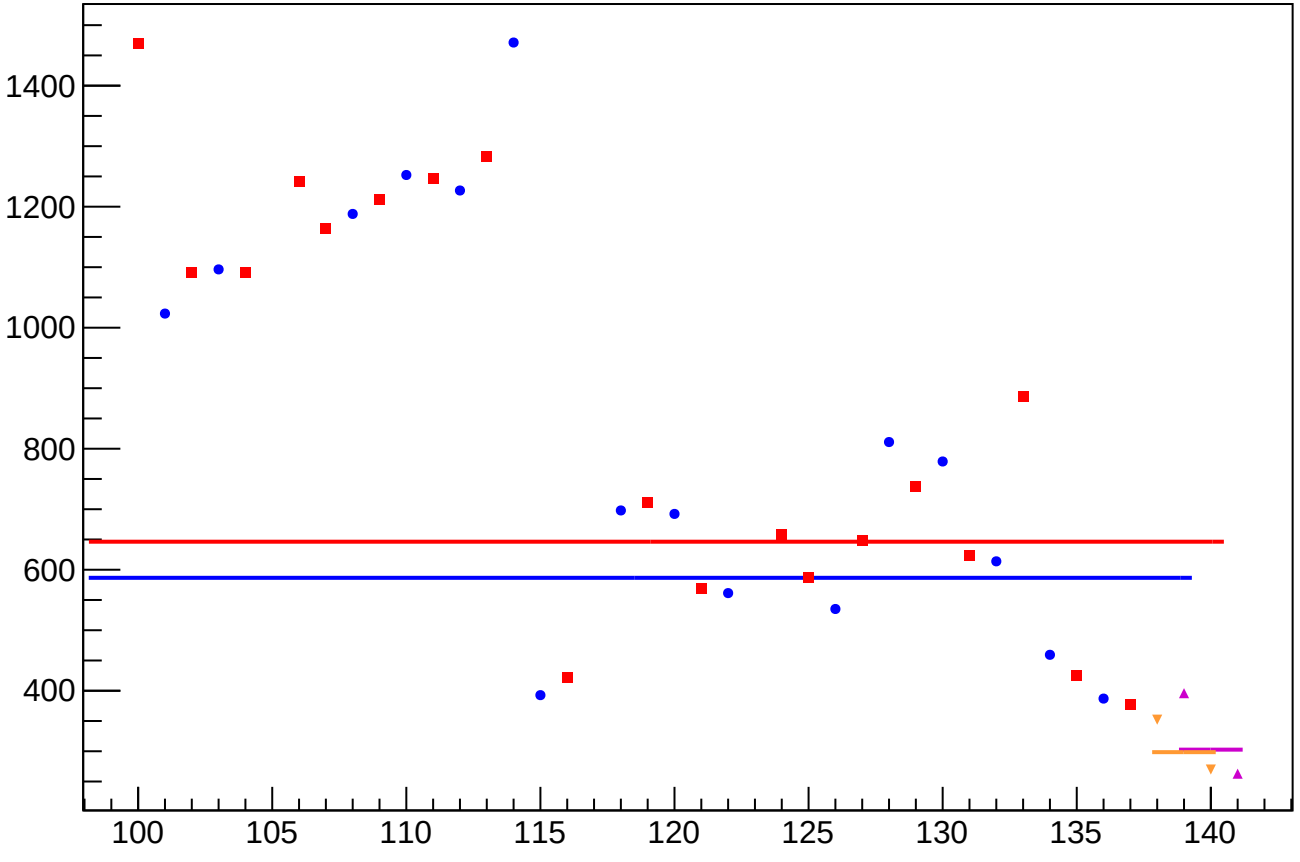
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -150.017+/-167.028 χ^2/NDF:21.9/17

Out: -6.168+/-174.793 χ^2/NDF:16.5/20

All: -81.359+/-120.758 χ^2/NDF: 38.7/38

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 298.511+/-0.169 χ^2/NDF:54057.8/1

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 302.662+/-0.167 χ^2/NDF:133674.8/1

Left: 300.615+/-0.119 χ^2/NDF: 188039.0/3

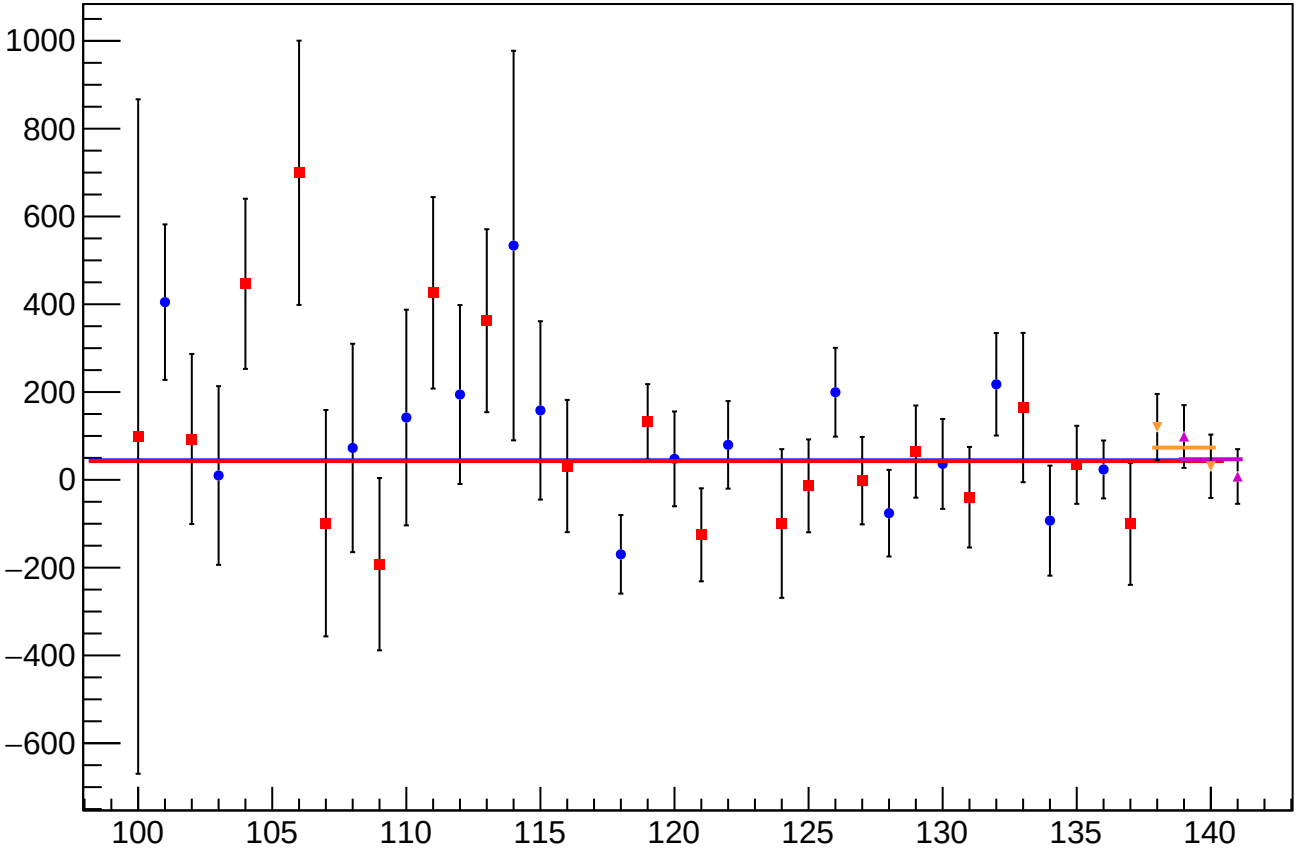
Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 443.777+/-0.118 χ^2/NDF:3632152.4/17

Out: 459.987+/-0.124 χ^2/NDF:4086942.1/20

All: 451.514+/-0.085 χ^2/NDF: 7728085.0/38

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 73.437+/-52.198 χ^2/NDF:0.7/1

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.943+/-46.978 χ^2/NDF:0.9/1

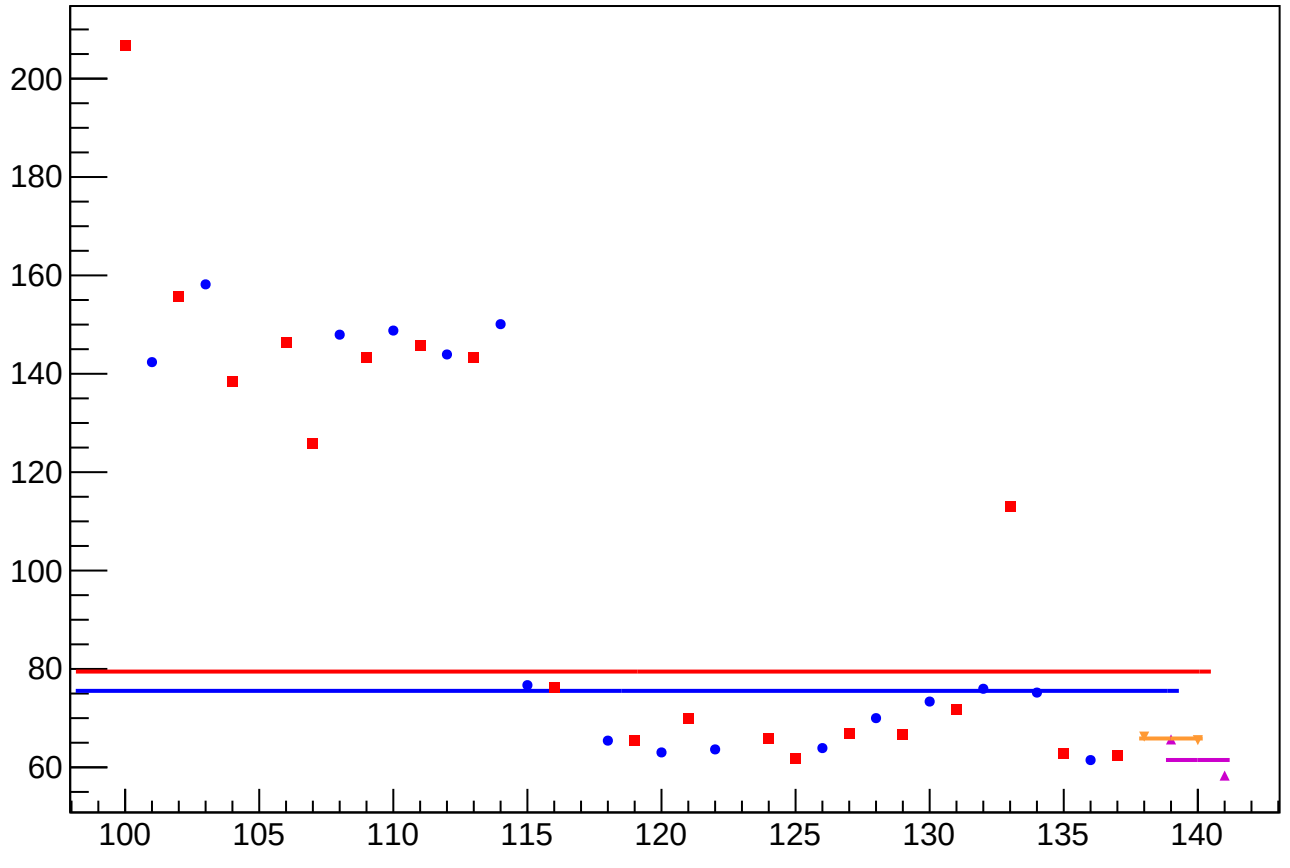
Left: 58.799+/-34.919 χ^2/NDF: 1.8/3

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.124+/-25.229 χ^2/NDF:20.5/17

Out: 50.957+/-26.811 χ^2/NDF:24.3/20

All: 47.864+/-18.374 χ^2/NDF: 44.8/38



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 65.862+/-0.037 χ^2/NDF:96.1/1

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 61.493+/-0.033 χ^2/NDF:12009.7/1

Left: 63.449+/-0.025 χ^2/NDF: 19847.3/3

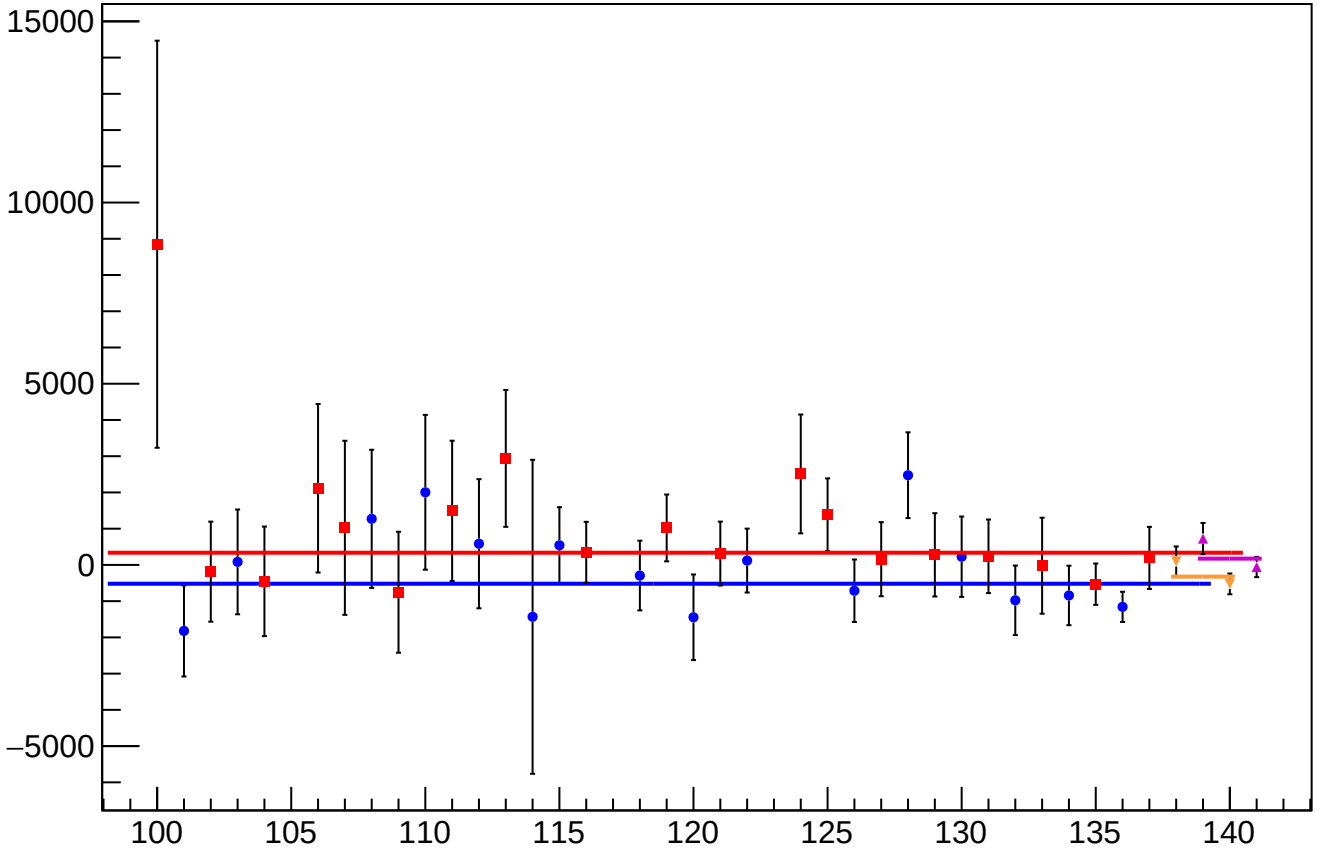
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 71.492+/-0.018 χ^2/NDF:1604874.9/17

Out: 75.877+/-0.019 χ^2/NDF:1783723.7/20

All: 73.551+/-0.013 χ^2/NDF: 3416969.3/38

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -323.129+/-235.409 χ^2/NDF:1.5/1

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 173.451+/-234.242 χ^2/NDF:2.3/1

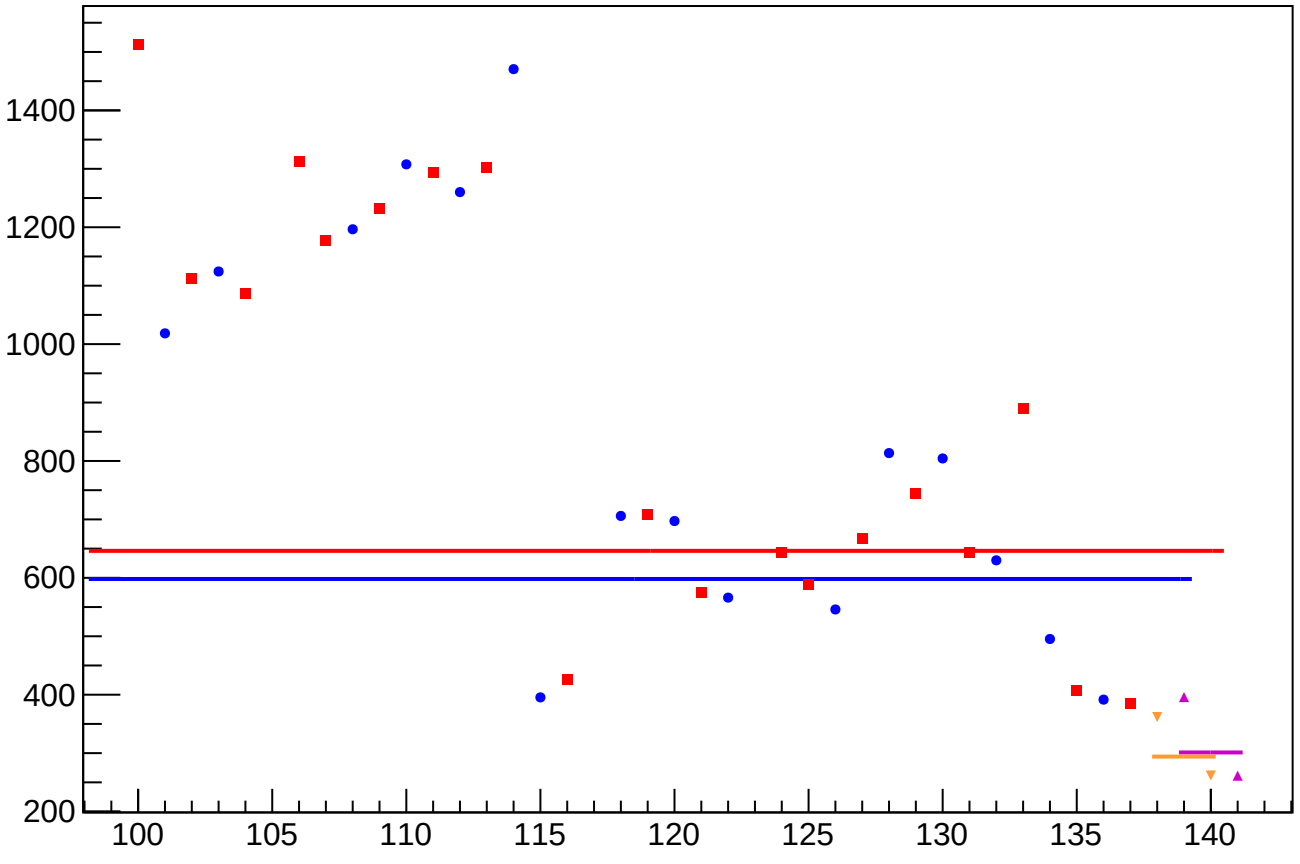
Left: -73.605+/-166.045 χ^2/NDF: 6.1/3

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -162.596+/-168.079 χ^2/NDF:22.4/17

Out: -21.590+/-173.473 χ^2/NDF:17.0/20

All: -94.319+/-120.712 χ^2/NDF: 39.7/38



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 294.076+/-0.166 χ^2/NDF:79154.7/1

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 301.148+/-0.166 χ^2/NDF:137337.1/1

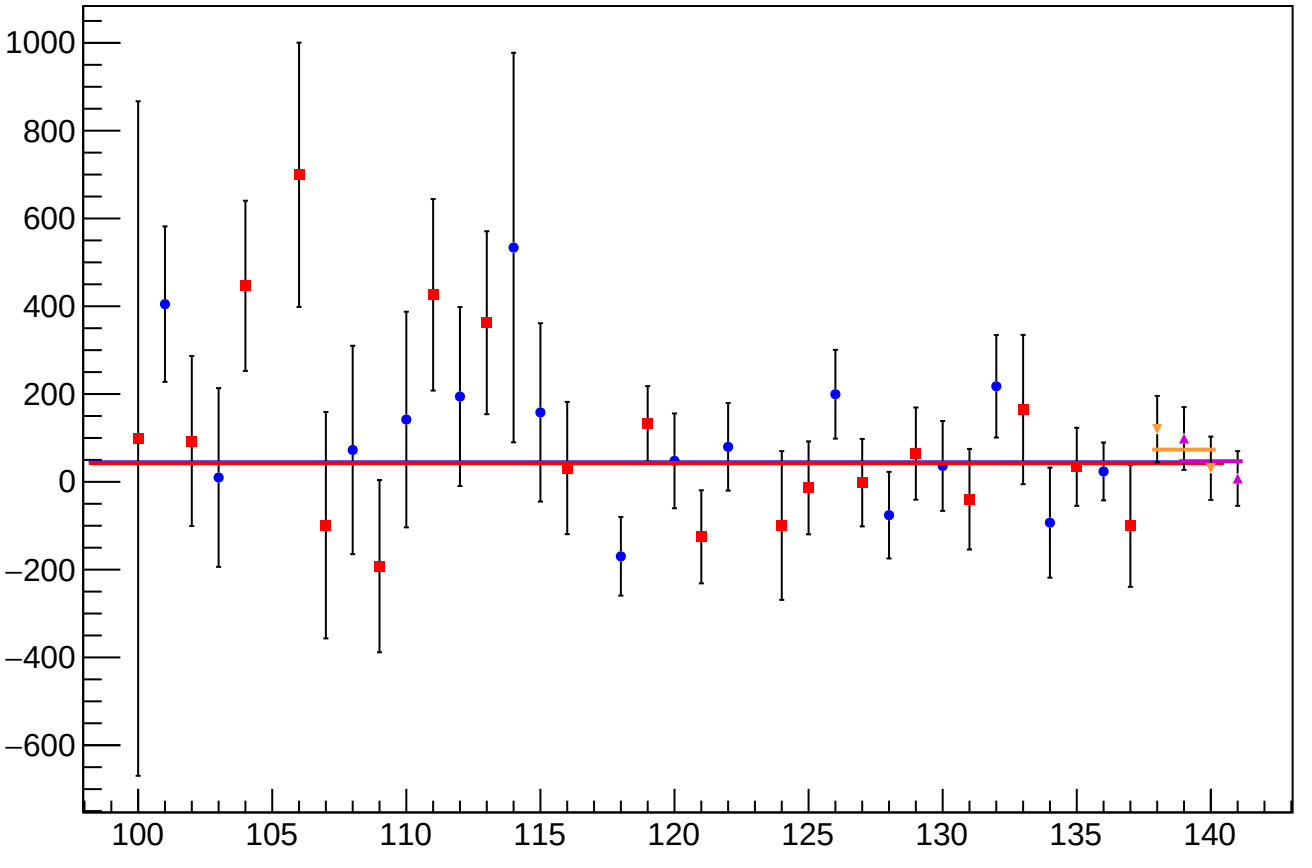
Left: 297.629+/-0.117 χ^2/NDF: 217398.8/3

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 445.180+/-0.119 χ^2/NDF:3743876.7/17

Out: 454.983+/-0.123 χ^2/NDF:4329363.9/20

All: 449.927+/-0.085 χ^2/NDF: 8076534.9/38



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 73.434+/-52.198 χ^2/NDF:0.7/1

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.943+/-46.978 χ^2/NDF:0.9/1

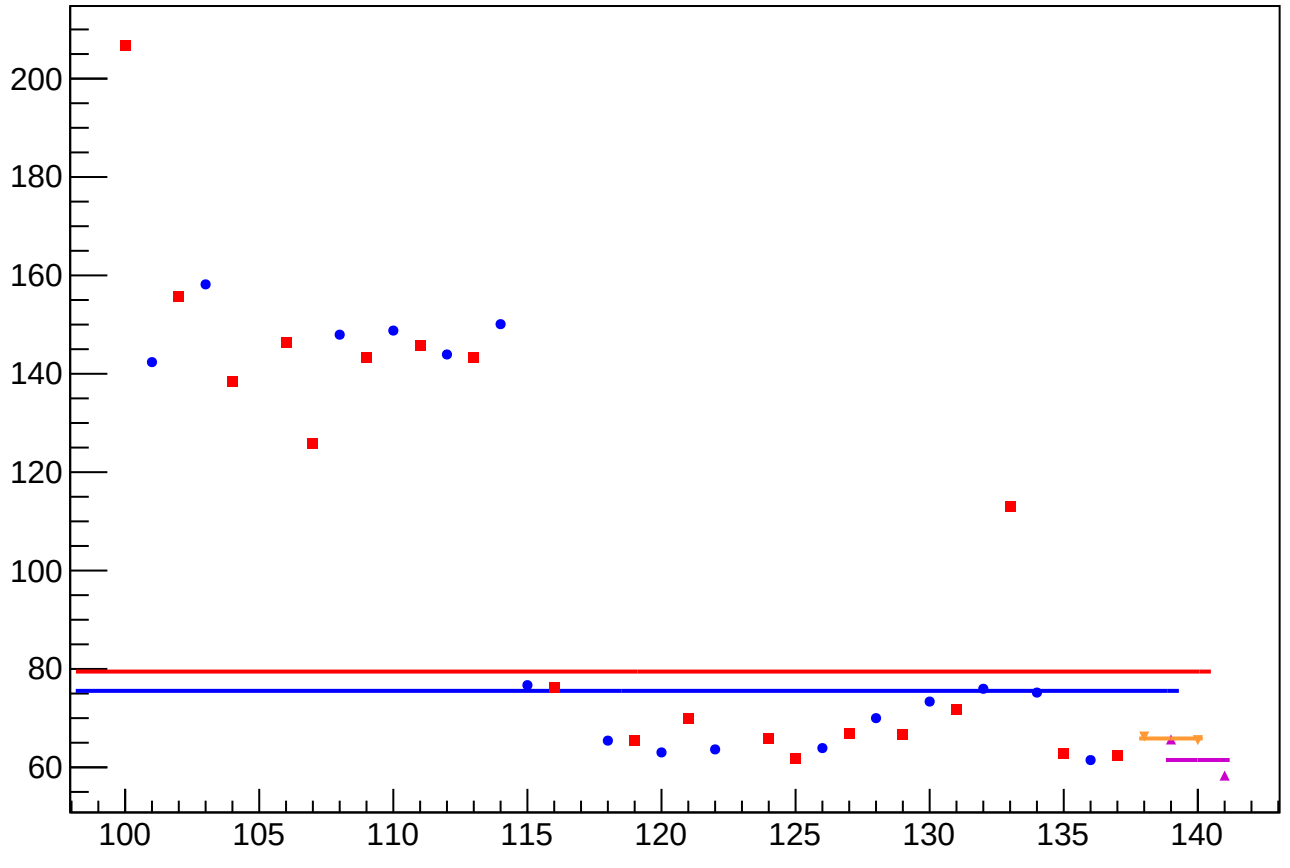
Left: 58.798+/-34.919 χ^2/NDF: 1.8/3

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.125+/-25.229 χ^2/NDF:20.5/17

Out: 50.956+/-26.811 χ^2/NDF:24.3/20

All: 47.864+/-18.374 χ^2/NDF: 44.8/38



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 65.862+/-0.037 χ^2/NDF:96.0/1

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.494+/-0.033 χ^2/NDF:12009.8/1

Left: 63.449+/-0.025 χ^2/NDF: 19846.7/3

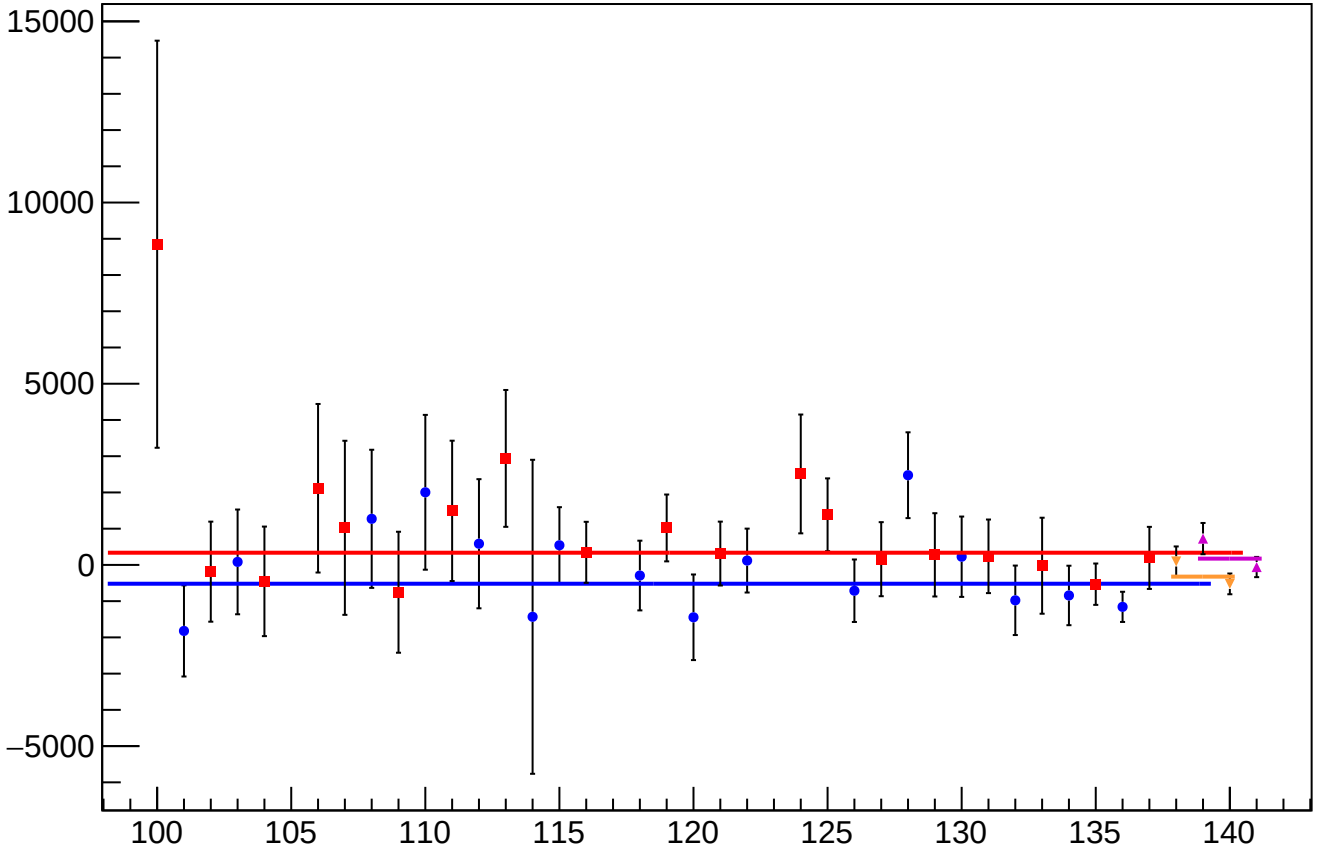
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 71.492+/-0.018 χ^2/NDF:1604851.3/17

Out: 75.876+/-0.019 χ^2/NDF:1783712.9/20

All: 73.551+/-0.013 χ^2/NDF: 3416934.3/38

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -323.130+/-235.408 χ^2/NDF:1.5/1

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 173.453+/-234.241 χ^2/NDF:2.3/1

Left: -73.604+/-166.045 χ^2/NDF: 6.1/3

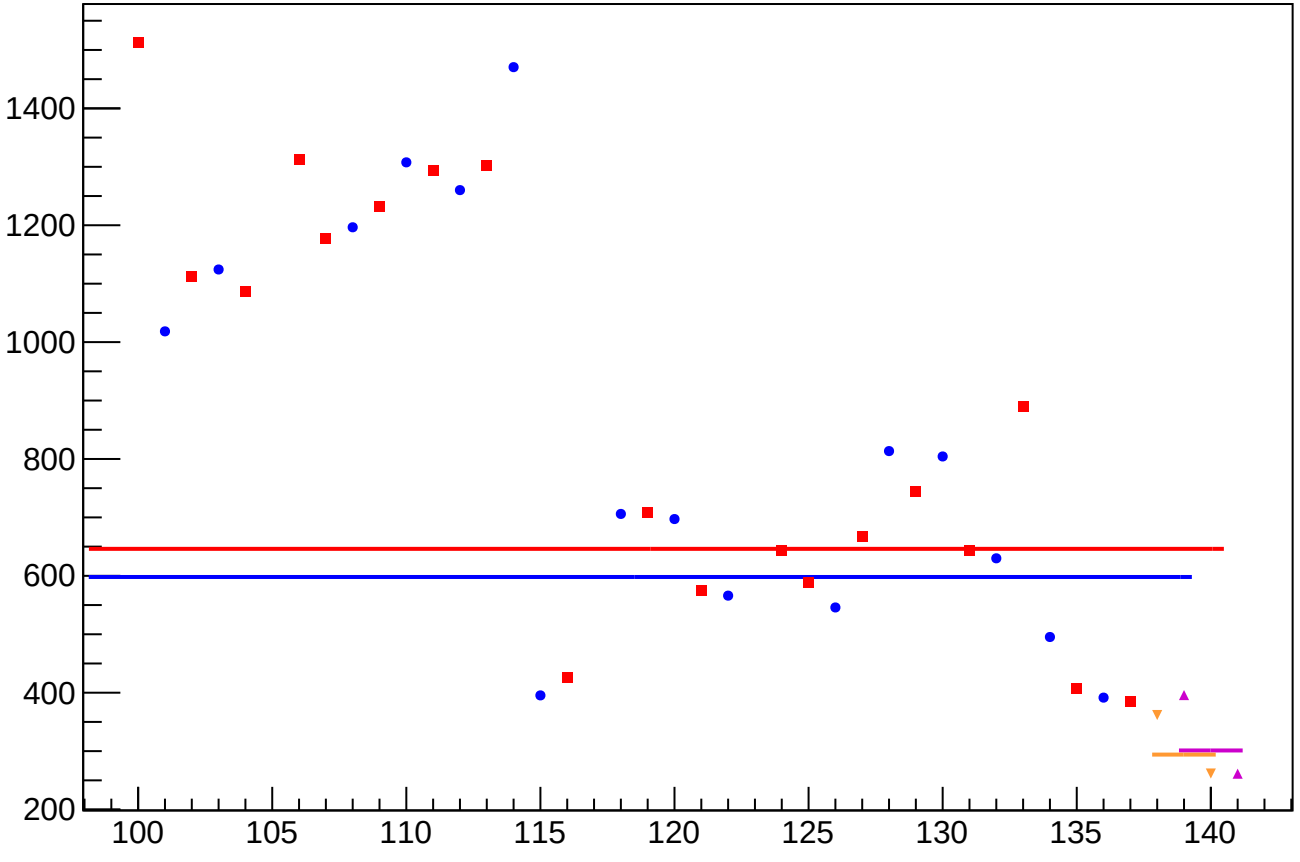
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -162.594+/-168.079 χ^2/NDF:22.4/17

Out: -21.590+/-173.473 χ^2/NDF:17.0/20

All: -94.318+/-120.712 χ^2/NDF: 39.7/38

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 294.075+/-0.166 χ^2/NDF:79152.5/1

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 301.147+/-0.166 χ^2/NDF:137334.0/1

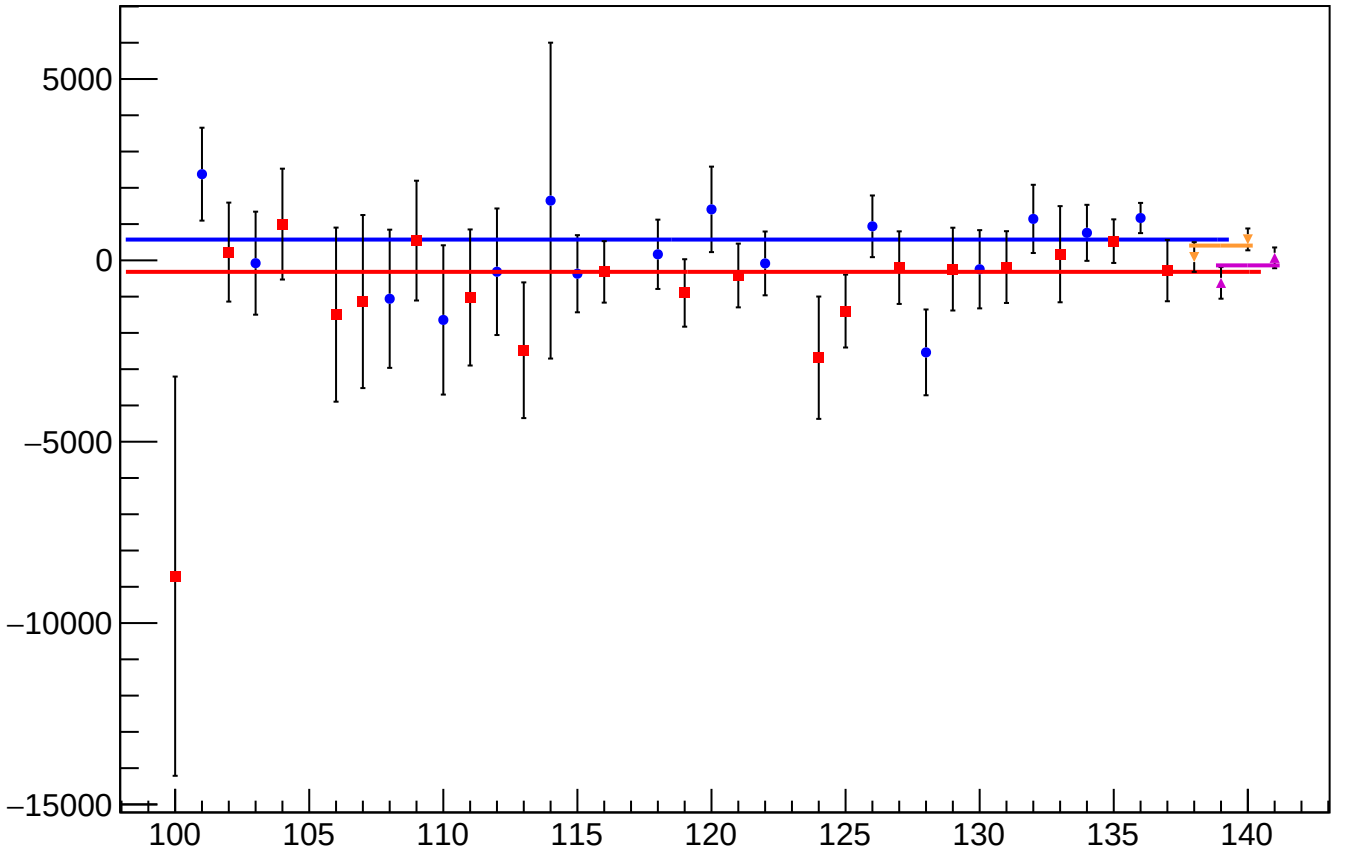
Left: 297.629+/-0.117 χ^2/NDF: 217393.5/3

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 445.179+/-0.119 χ^2/NDF:3743861.0/17

Out: 454.982+/-0.123 χ^2/NDF:4329353.7/20

All: 449.926+/-0.085 χ^2/NDF: 8076509.0/38



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 407.464+/-242.810 χ^2/NDF:0.9/1

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -138.389+/-239.340 χ^2/NDF:1.8/1

Left: 130.609+/-170.453 χ^2/NDF: 5.2/3

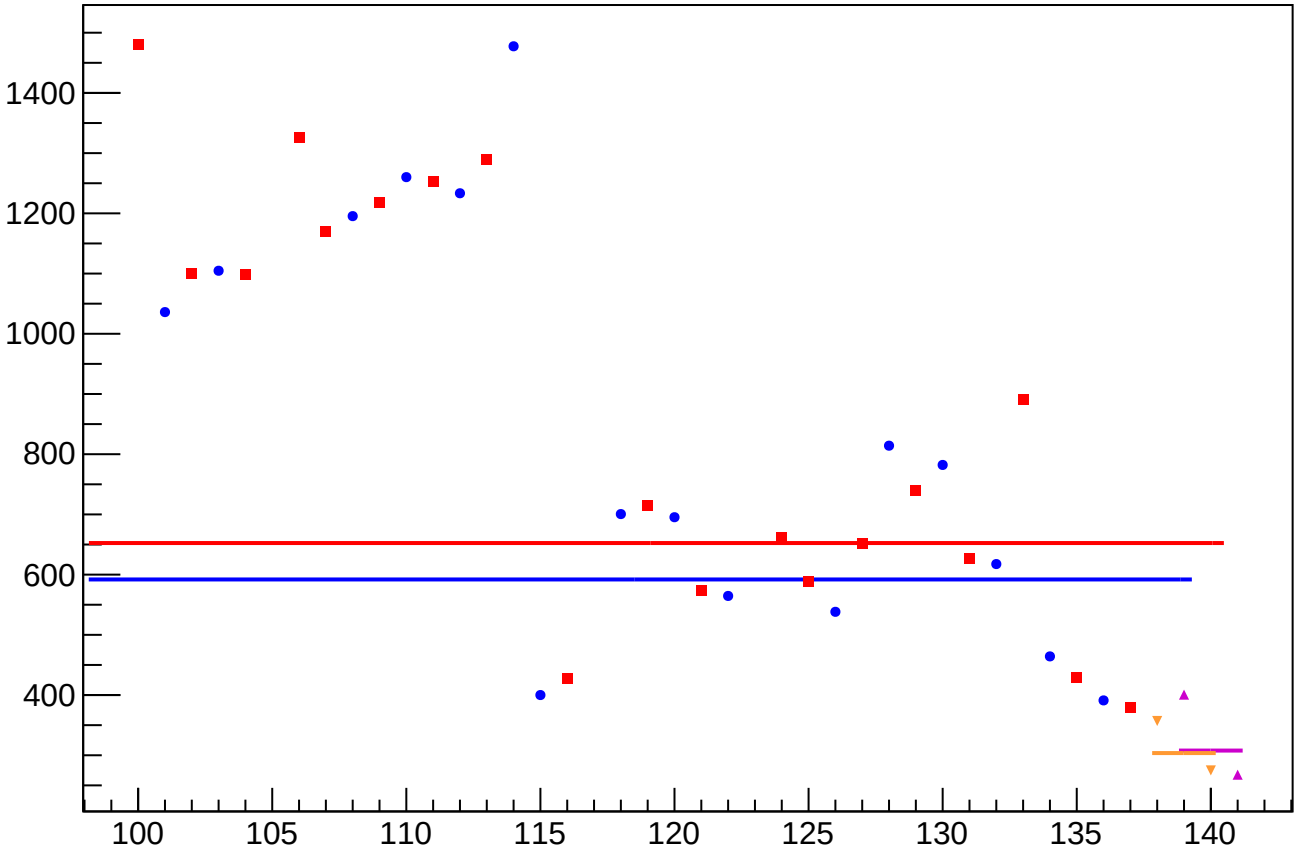
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 218.115+/-169.091 χ^2/NDF:22.7/17

Out: 67.598+/-176.896 χ^2/NDF:16.1/20

All: 146.251+/-122.231 χ^2/NDF: 39.2/38

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 303.650+/-0.172 χ^2/NDF:52074.6/1

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 307.808+/-0.169 χ^2/NDF:129881.2/1

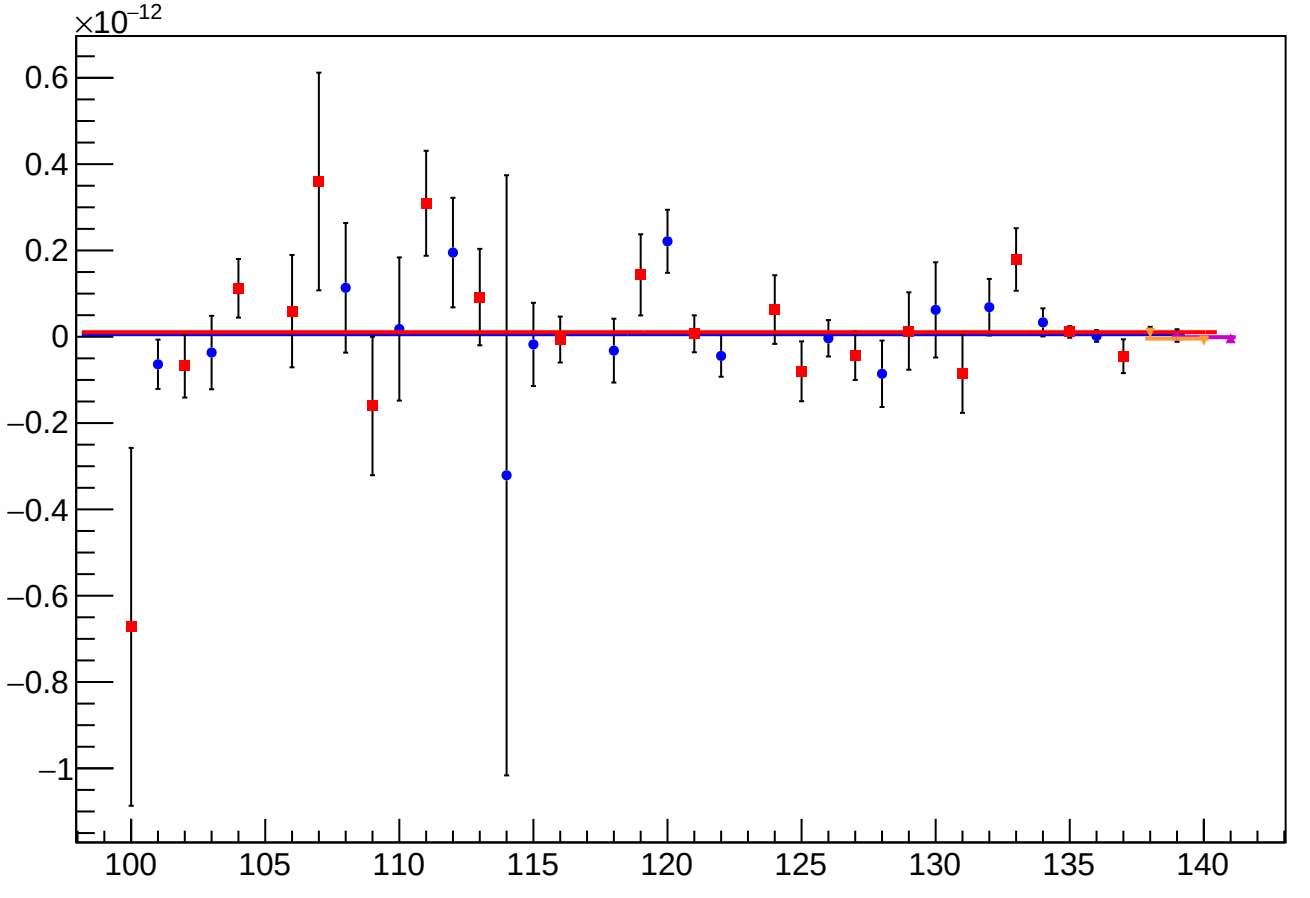
Left: 305.759+/-0.121 χ^2/NDF: 182253.3/3

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 450.140+/-0.120 χ^2/NDF:3577707.5/17

Out: 467.324+/-0.125 χ^2/NDF:4078762.6/20

All: 458.345+/-0.086 χ^2/NDF: 7666332.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

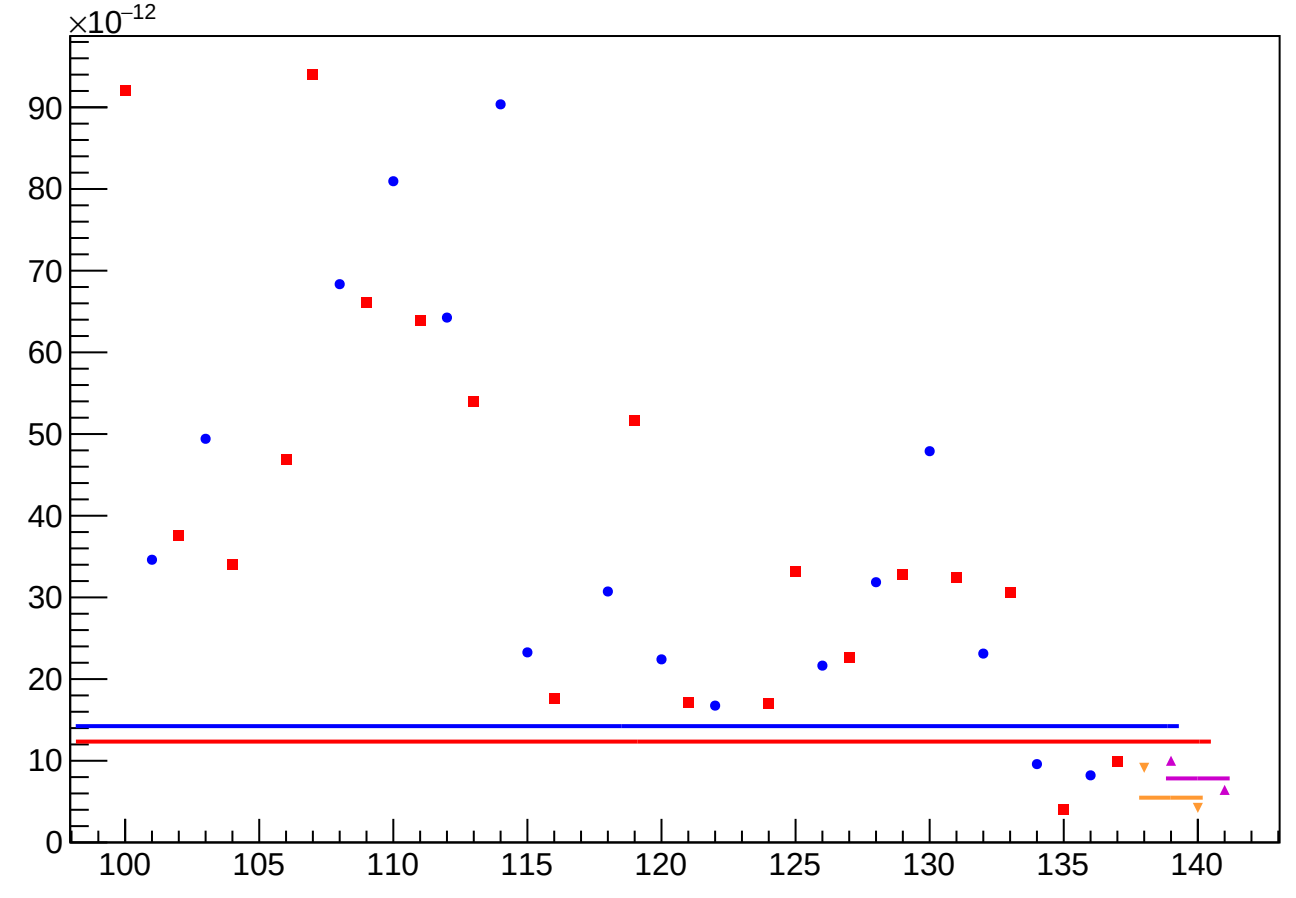
Left: -0.000+/-0.000 χ^2/NDF: 1.5/3

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:18.6/17

Out: 0.000+/-0.000 χ^2/NDF:32.1/20

All: 0.000+/-0.000 χ^2/NDF: 50.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:187884.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:73509.5/1

Left: 0.000+/-0.000 χ^2/NDF: 346031.4/3

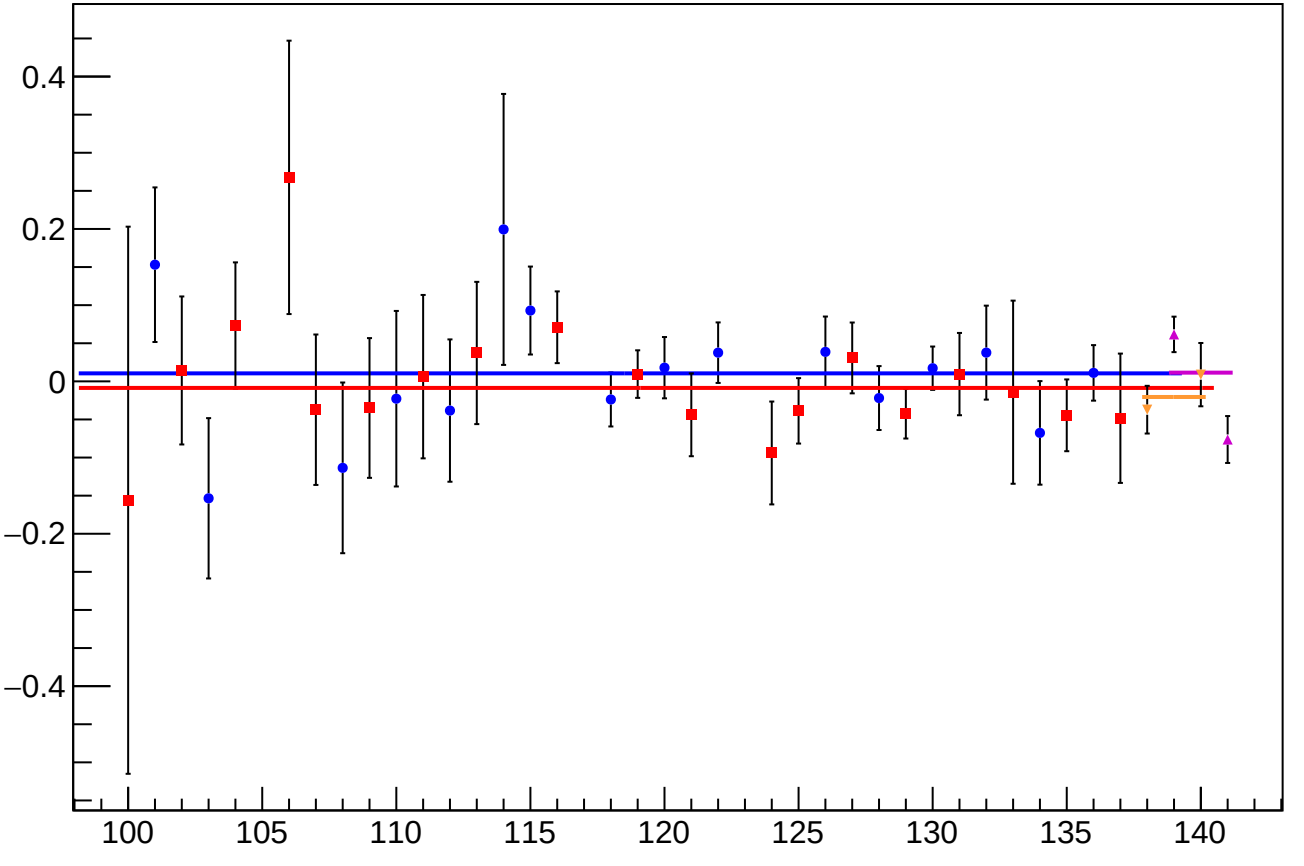
Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:2990688.3/17

Out: 0.000+/-0.000 χ^2/NDF:4250937.9/20

All: 0.000+/-0.000 χ^2/NDF: 7463787.1/38

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.025 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.011+/-0.019 χ^2/NDF:12.8/1

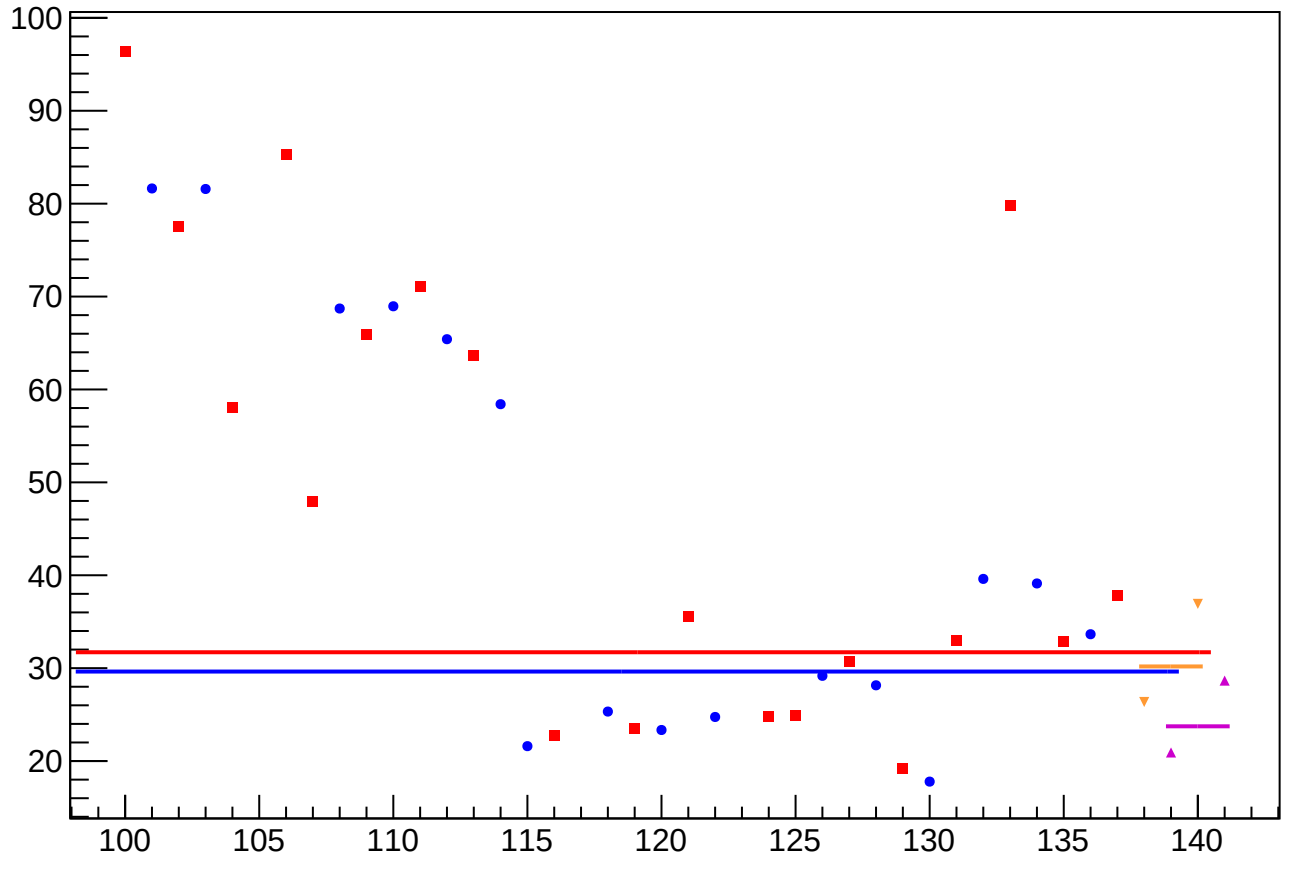
Left: 0.000+/-0.015 χ^2/NDF: 14.6/3

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.010 χ^2/NDF:25.9/17

Out: -0.011+/-0.012 χ^2/NDF:13.4/20

All: 0.001+/-0.008 χ^2/NDF: 41.3/38



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.184+/-0.018 χ^2/NDF:82447.7/1

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 23.740+/-0.013 χ^2/NDF:80363.9/1

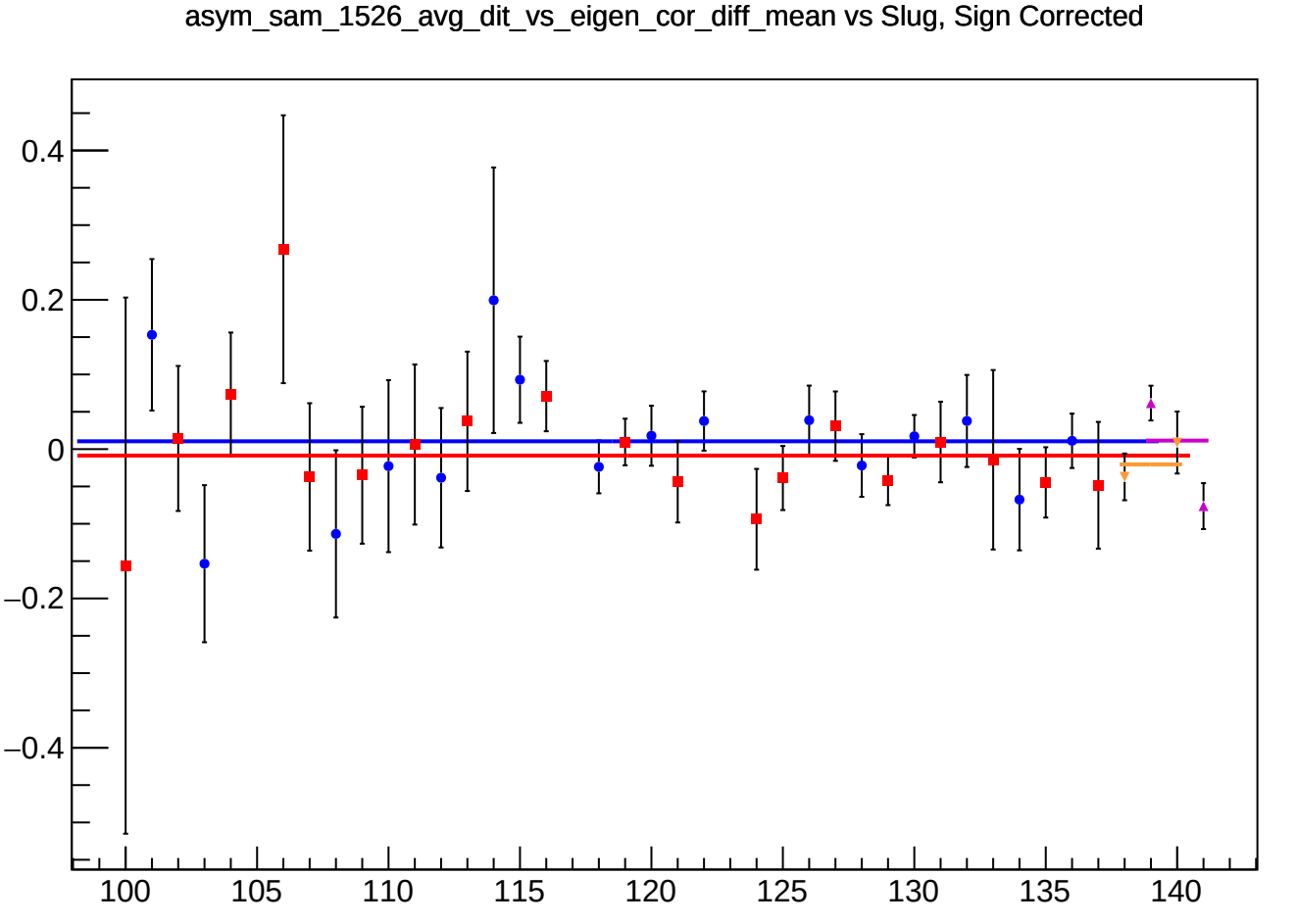
Left: 26.031+/-0.011 χ^2/NDF: 248463.5/3

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 27.784+/-0.007 χ^2/NDF:2667157.5/17

Out: 31.377+/-0.008 χ^2/NDF:2739755.1/20

All: 29.370+/-0.005 χ^2/NDF: 5512249.4/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.025 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.011+/-0.019 χ^2/NDF:12.8/1

Left: 0.000+/-0.015 χ^2/NDF: 14.6/3

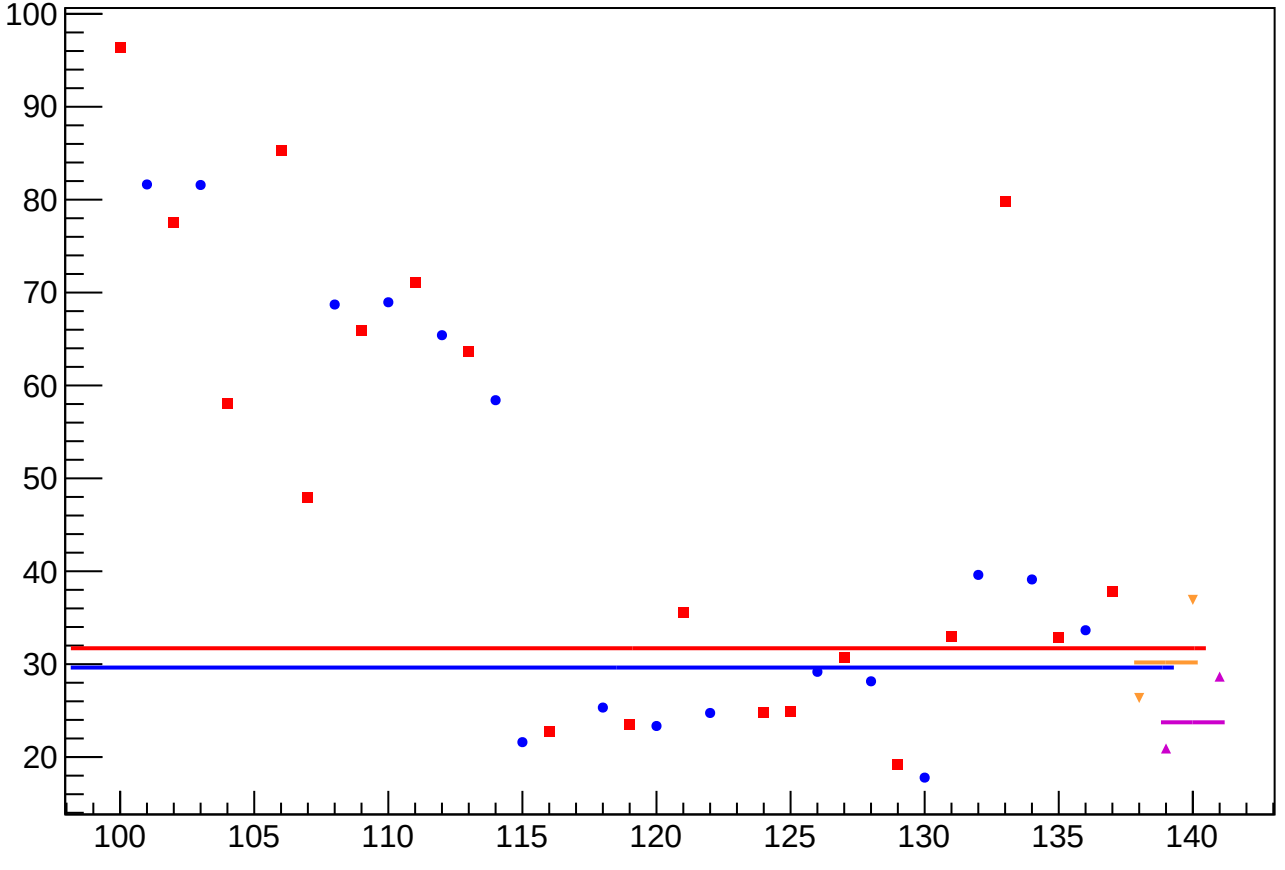
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.010 χ^2/NDF:25.9/17

Out: -0.011+/-0.012 χ^2/NDF:13.4/20

All: 0.001+/-0.008 χ^2/NDF: 41.3/38

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.184+/-0.018 χ^2/NDF:82447.7/1

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 23.740+/-0.013 χ^2/NDF:80363.9/1

Left: 26.031+/-0.011 χ^2/NDF: 248463.5/3

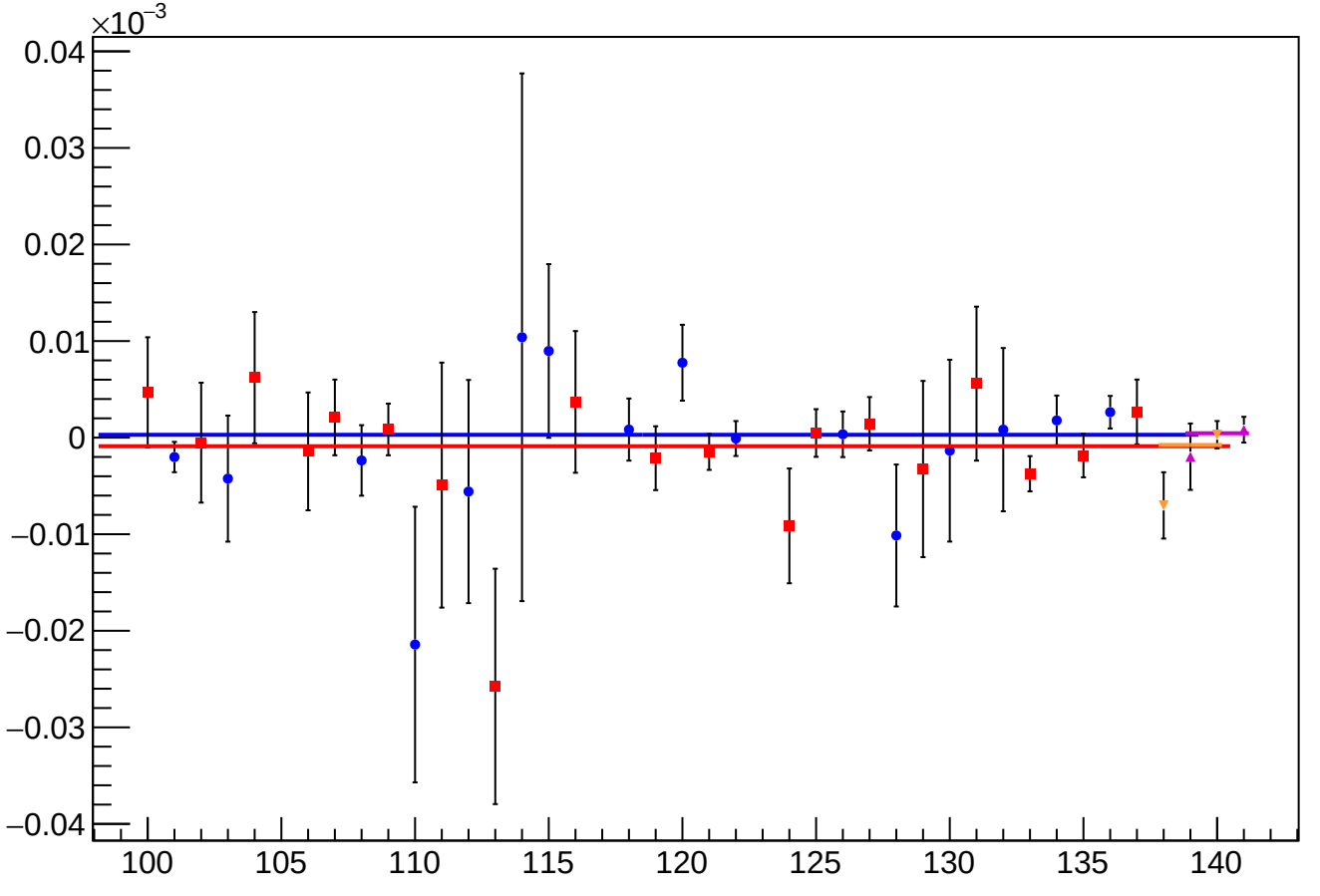
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 27.784+/-0.007 χ^2/NDF:2667157.5/17

Out: 31.377+/-0.008 χ^2/NDF:2739755.1/20

All: 29.370+/-0.005 χ^2/NDF: 5512249.4/38

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/1

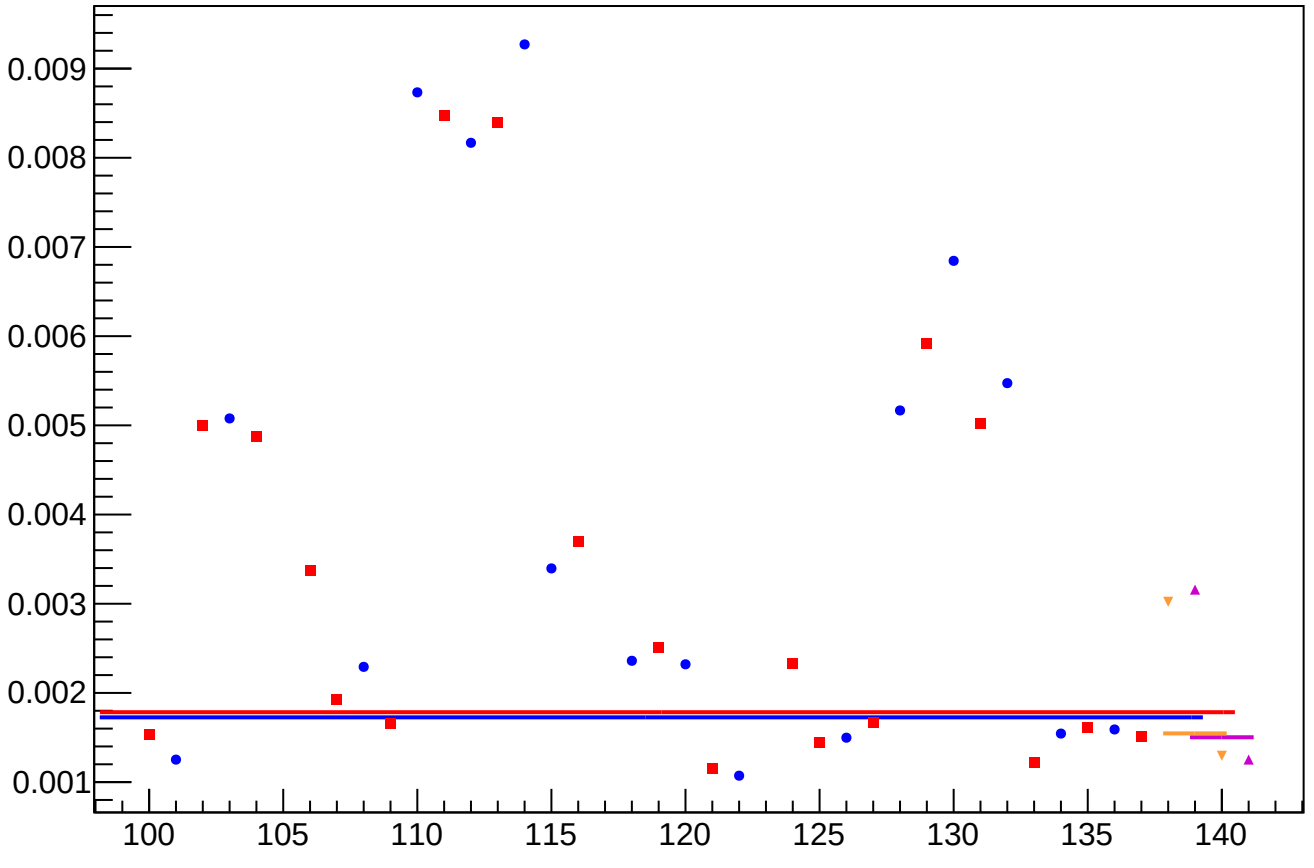
Left: -0.000+/-0.000 χ^2/NDF: 4.9/3

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:15.4/17

Out: -0.000+/-0.000 χ^2/NDF:19.3/20

All: -0.000+/-0.000 χ^2/NDF: 36.3/38



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:431420.4/1

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:533502.2/1

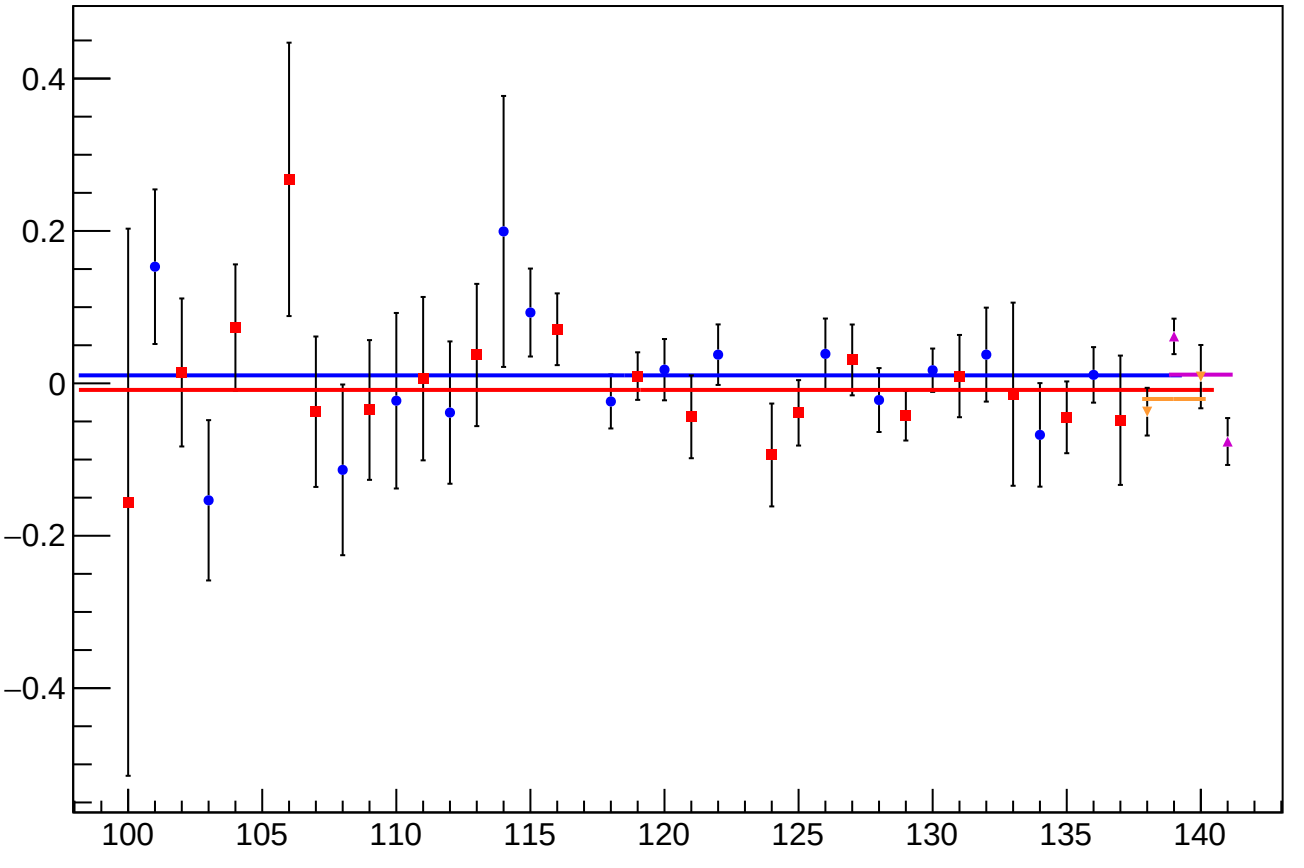
Left: 0.002+/-0.000 χ^2/NDF: 966066.2/3

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:4512503.8/17

Out: 0.002+/-0.000 χ^2/NDF:4198974.8/20

All: 0.002+/-0.000 χ^2/NDF: 8718870.9/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.025 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.011+/-0.019 χ^2/NDF:12.8/1

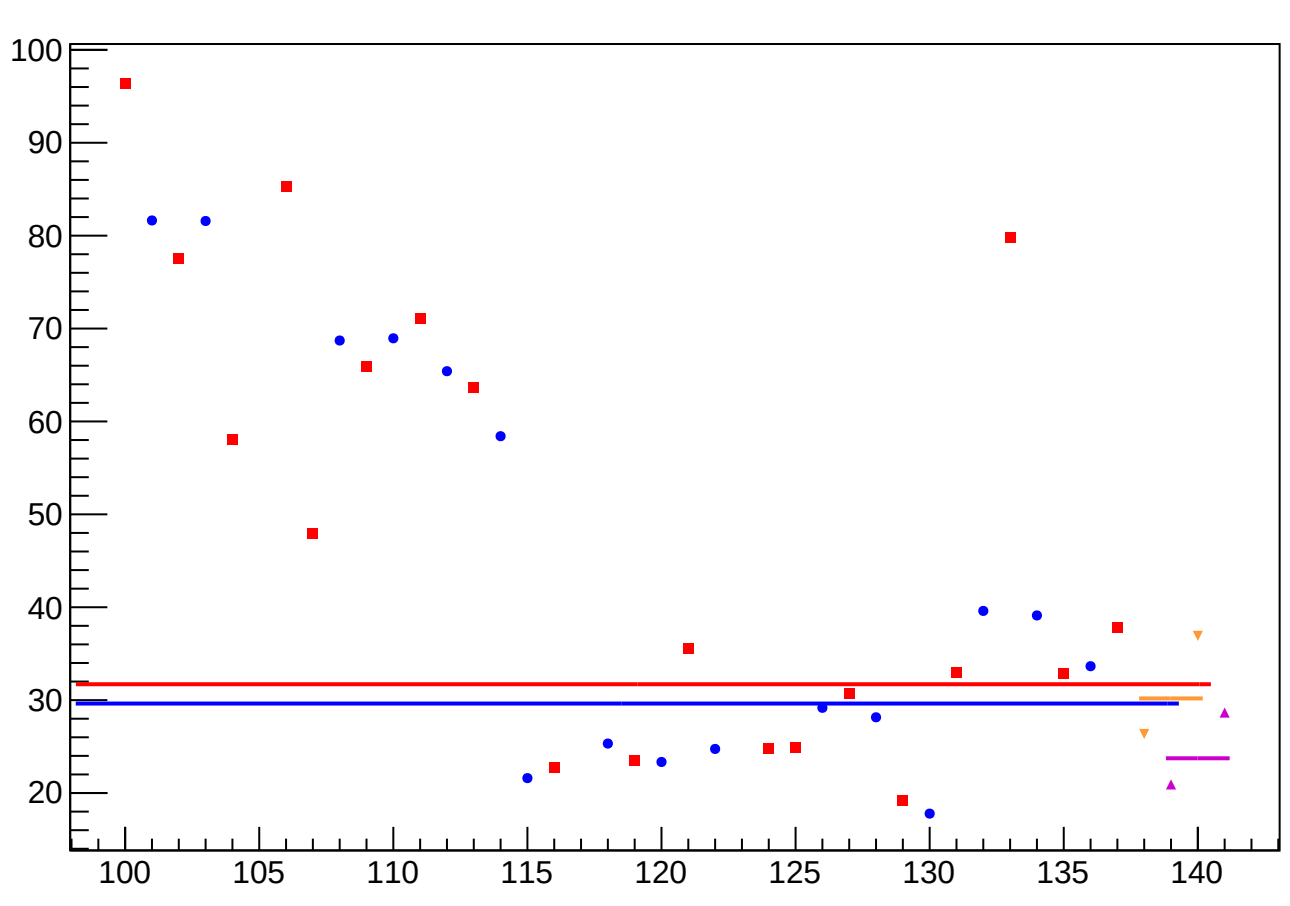
Left: 0.000+/-0.015 χ^2/NDF: 14.6/3

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.010 χ^2/NDF:25.9/17

Out: -0.011+/-0.012 χ^2/NDF:13.4/20

All: 0.001+/-0.008 χ^2/NDF: 41.3/38



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.184+/-0.018 χ^2/NDF:82453.8/1

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 23.740+/-0.013 χ^2/NDF:80361.9/1

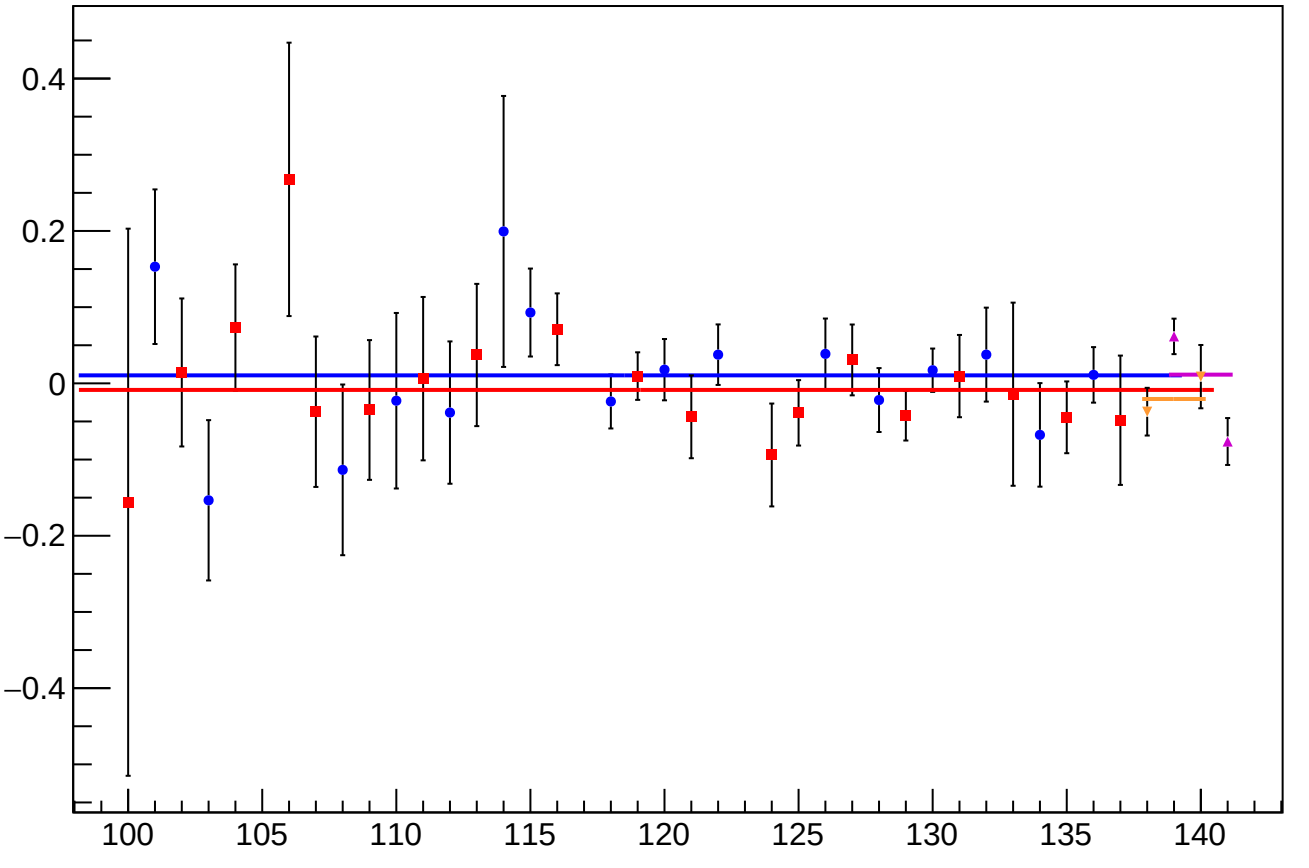
Left: 26.031+/-0.011 χ^2/NDF: 248457.6/3

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 27.784+/-0.007 χ^2/NDF:2667281.9/17

Out: 31.376+/-0.008 χ^2/NDF:2739919.4/20

All: 29.370+/-0.005 χ^2/NDF: 5512521.8/38



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.025 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.011+/-0.019 χ^2/NDF:12.8/1

Left: 0.000+/-0.015 χ^2/NDF: 14.6/3

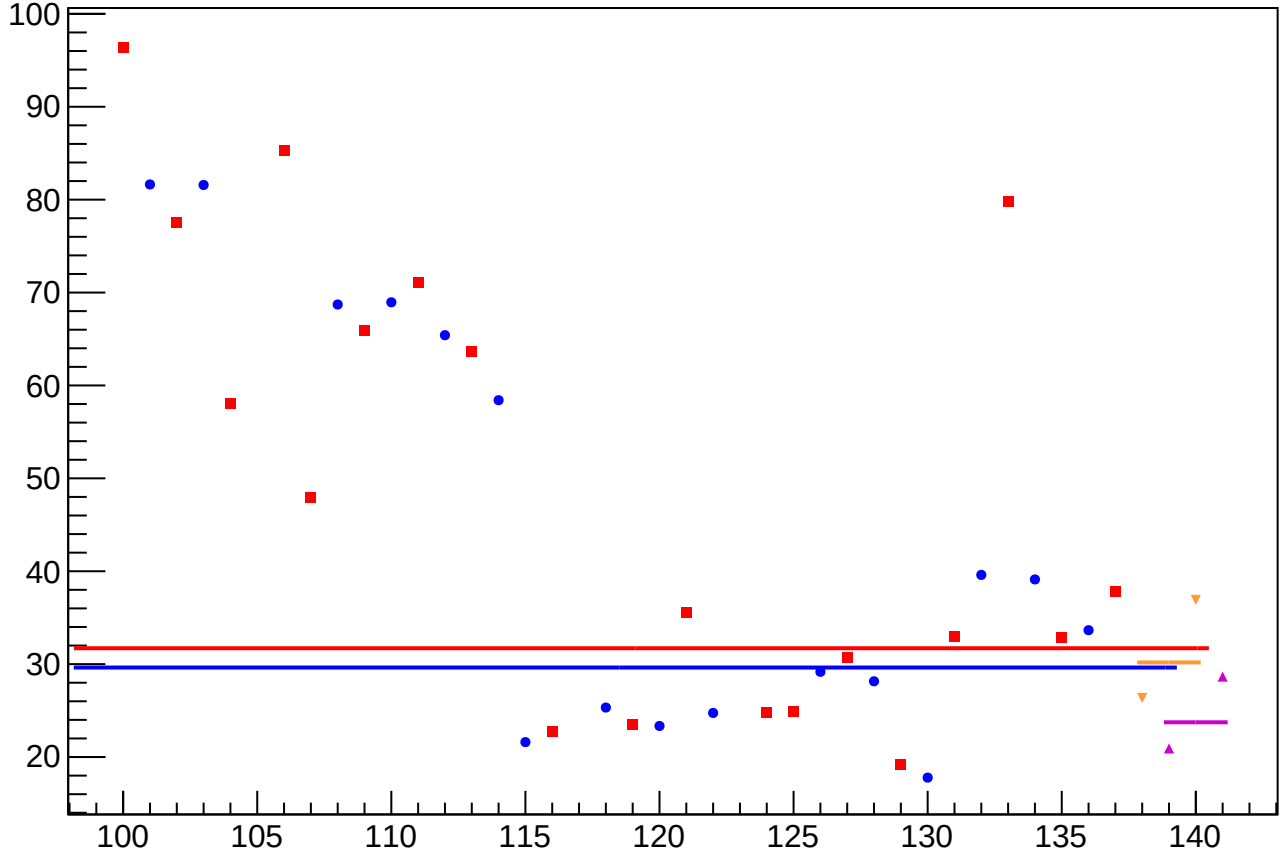
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.010 χ^2/NDF:25.9/17

Out: -0.011+/-0.012 χ^2/NDF:13.4/20

All: 0.001+/-0.008 χ^2/NDF: 41.3/38

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.184+/-0.018 χ^2/NDF:82453.8/1

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 23.740+/-0.013 χ^2/NDF:80361.9/1

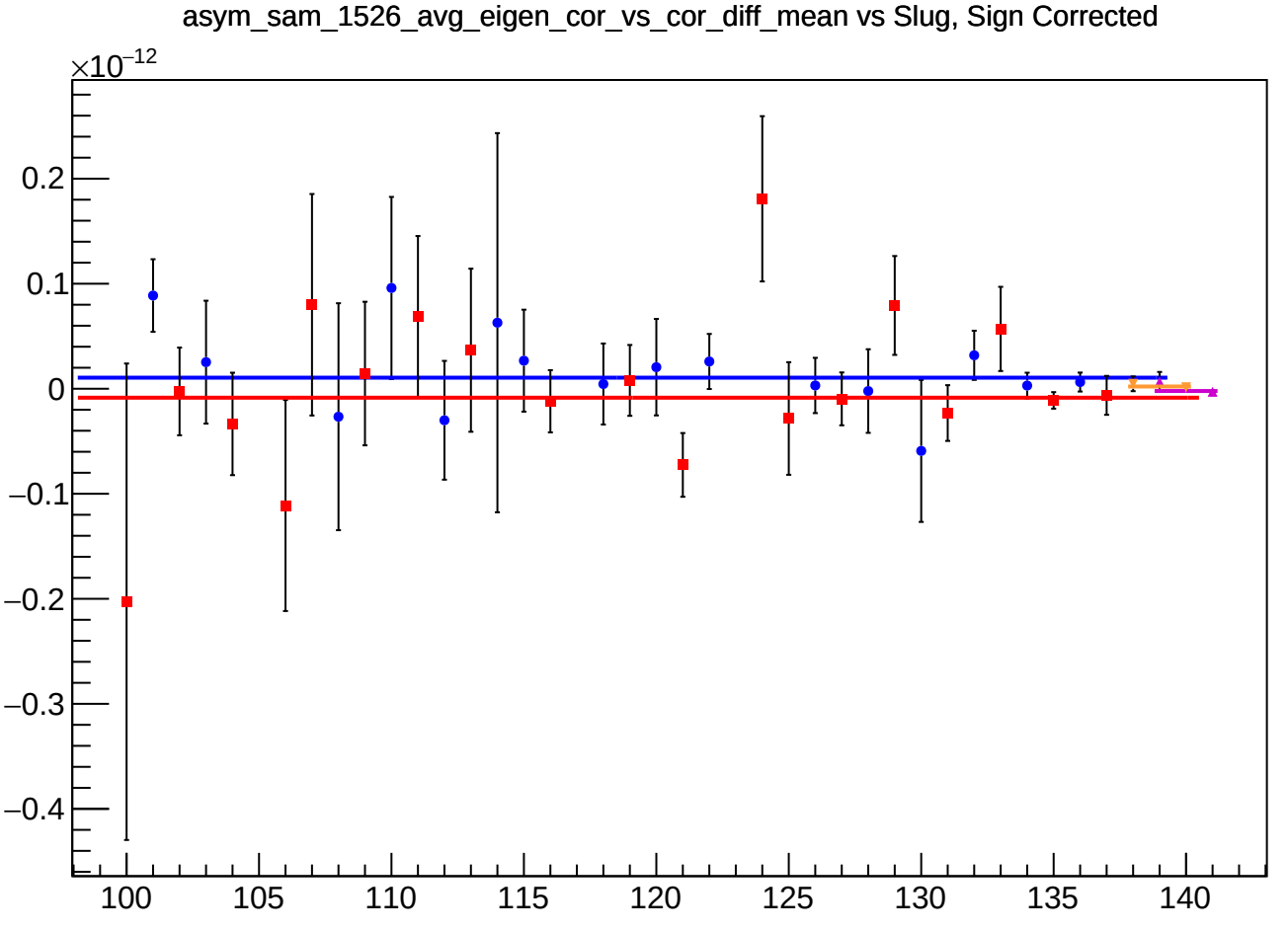
Left: 26.031+/-0.011 χ^2/NDF: 248457.6/3

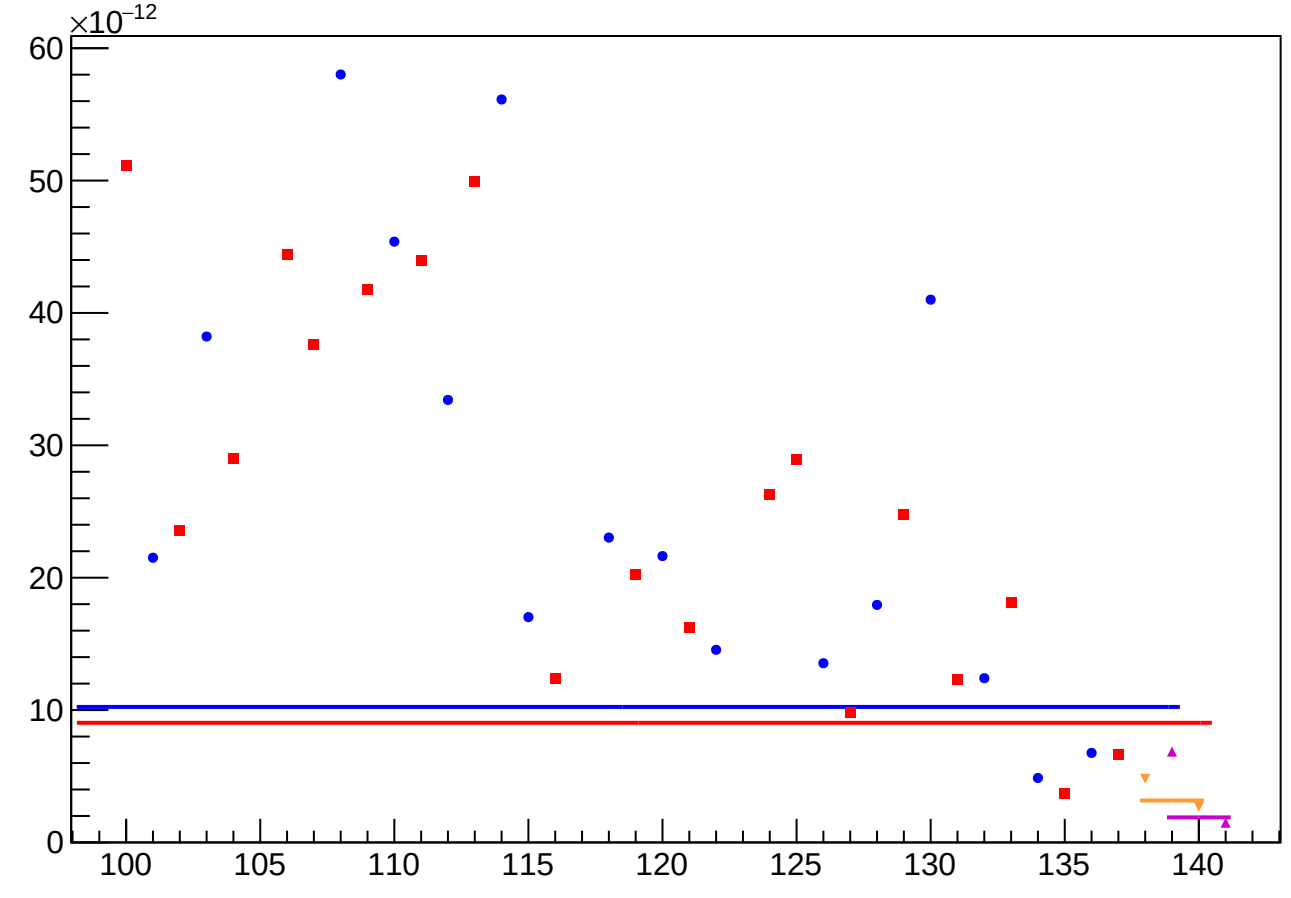
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 27.784+/-0.007 χ^2/NDF:2667281.9/17

Out: 31.376+/-0.008 χ^2/NDF:2739919.4/20

All: 29.370+/-0.005 χ^2/NDF: 5512521.8/38


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:0.2/1
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:0.9/1
Left: -0.000+/-0.000 χ²/NDF: 2.1/3
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: -0.000+/-0.000 χ²/NDF:14.8/17
Out: -0.000+/-0.000 χ²/NDF:24.1/20
All: -0.000+/-0.000 χ²/NDF: 38.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:139951.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:595359.1/1

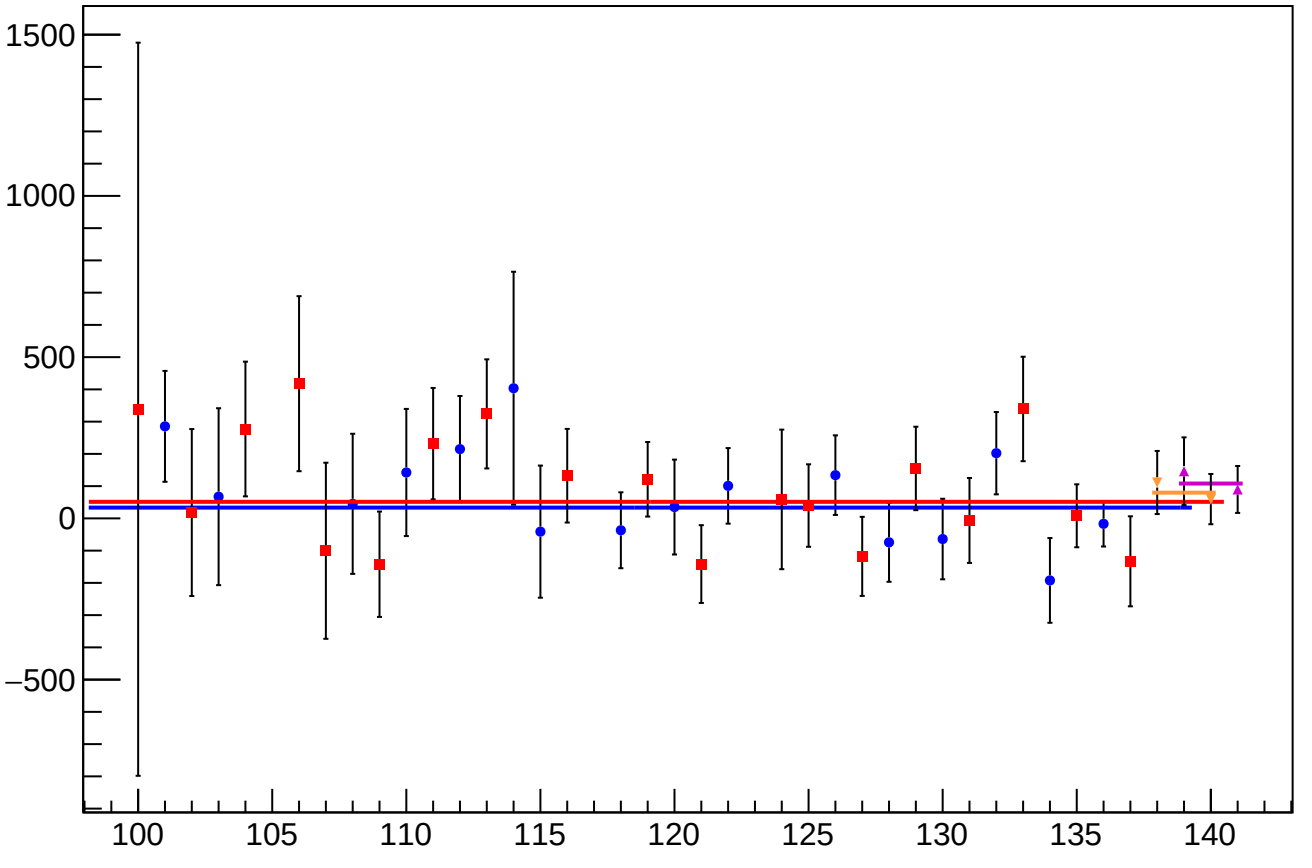
Left: 0.000+/-0.000 χ^2/NDF: 919269.1/3

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7367899.3/17

Out: 0.000+/-0.000 χ^2/NDF:6151204.4/20

All: 0.000+/-0.000 χ^2/NDF: 13781256.5/38



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 79.747+/-60.939 χ^2/NDF:0.2/1

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 108.038+/-59.822 χ^2/NDF:0.2/1

Left: 94.154+/-42.690 χ^2/NDF: 0.5/3

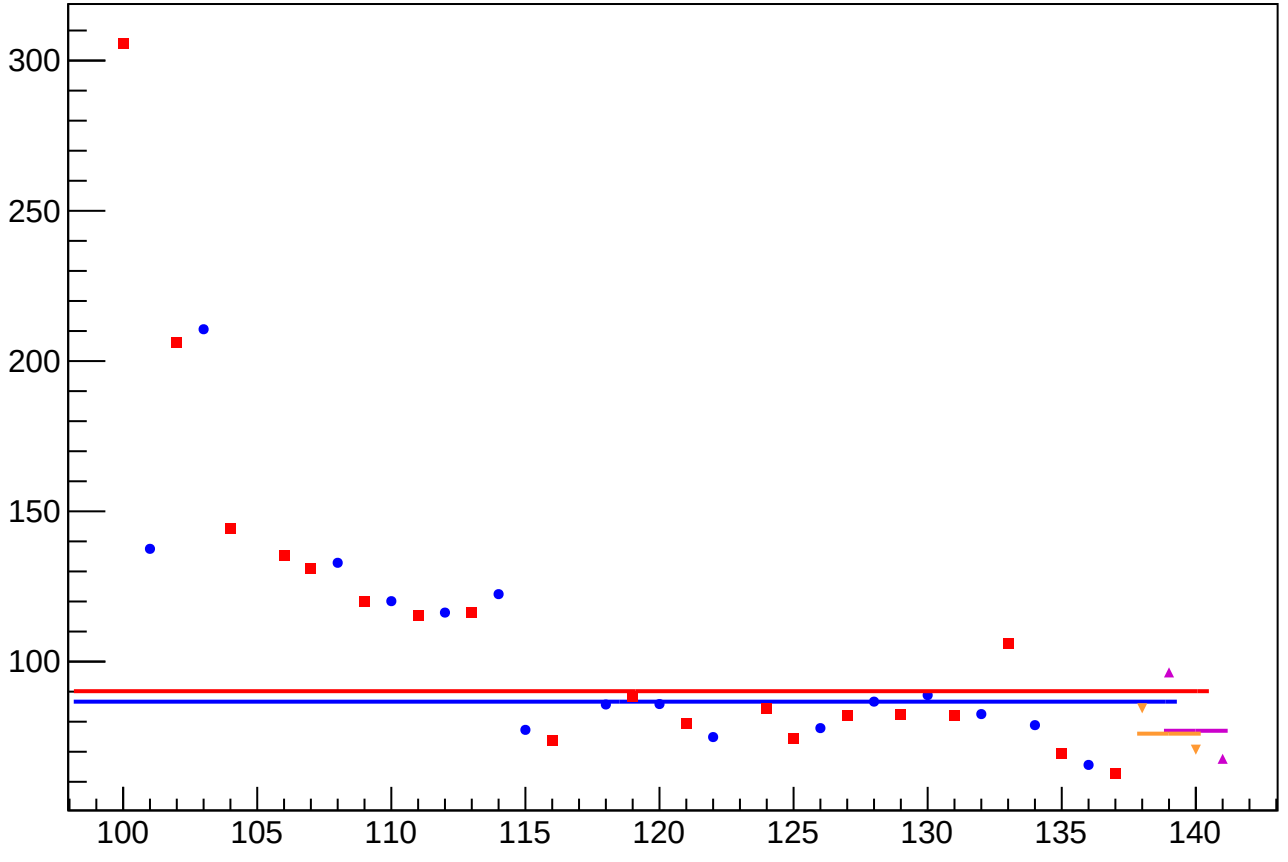
Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 51.550+/-29.481 χ^2/NDF:14.2/17

Out: 58.338+/-30.253 χ^2/NDF:19.9/20

All: 54.856+/-21.114 χ^2/NDF: 34.1/38

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 76.021+/-0.043 χ^2/NDF:24220.7/1

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 76.979+/-0.042 χ^2/NDF:101183.8/1

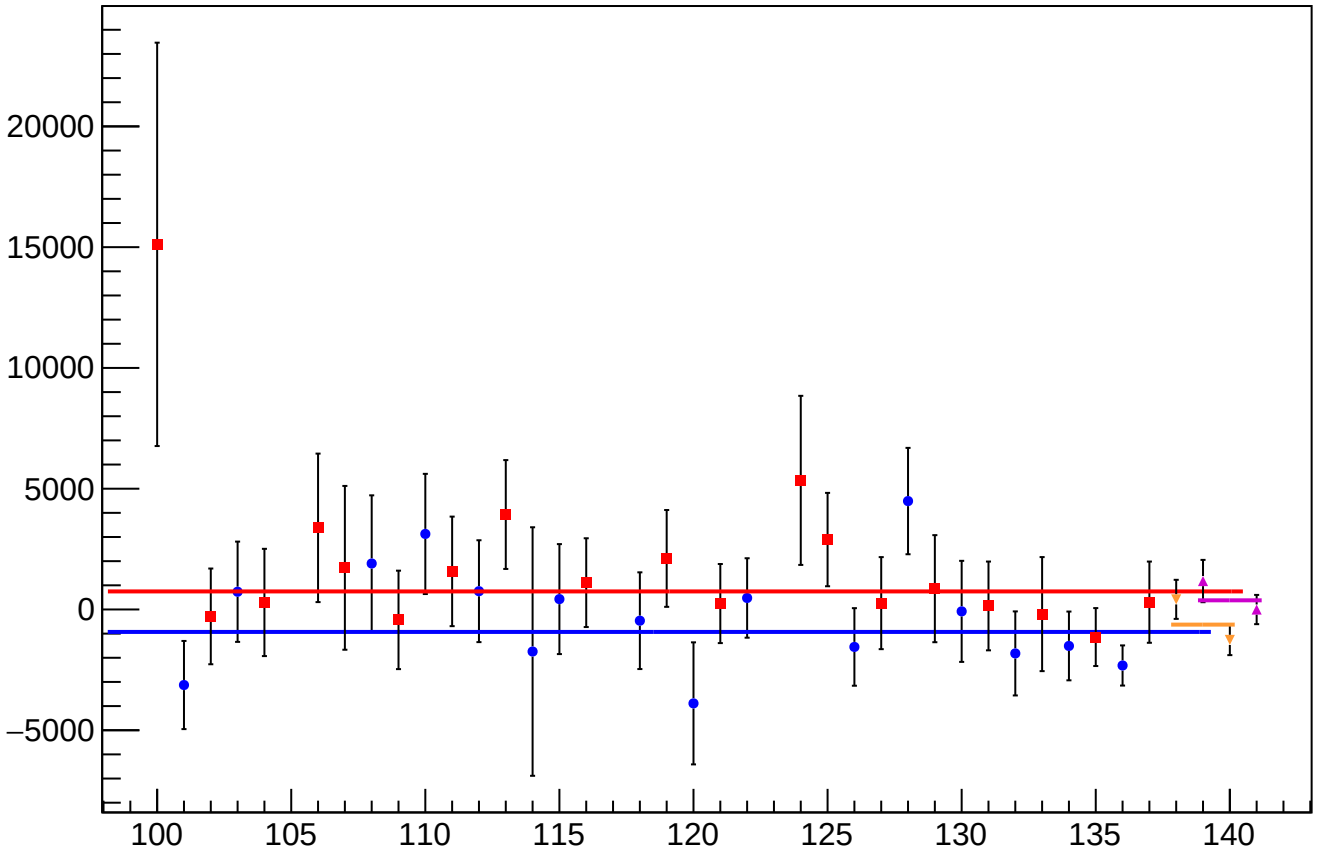
Left: 76.509+/-0.030 χ^2/NDF: 125656.2/3

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 84.313+/-0.021 χ^2/NDF:1179706.3/17

Out: 86.670+/-0.021 χ^2/NDF:1255248.2/20

All: 85.461+/-0.015 χ^2/NDF: 2441178.6/38



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -626.911+/-496.800 χ^2/NDF:2.7/1

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 378.673+/-498.034 χ^2/NDF:1.2/1

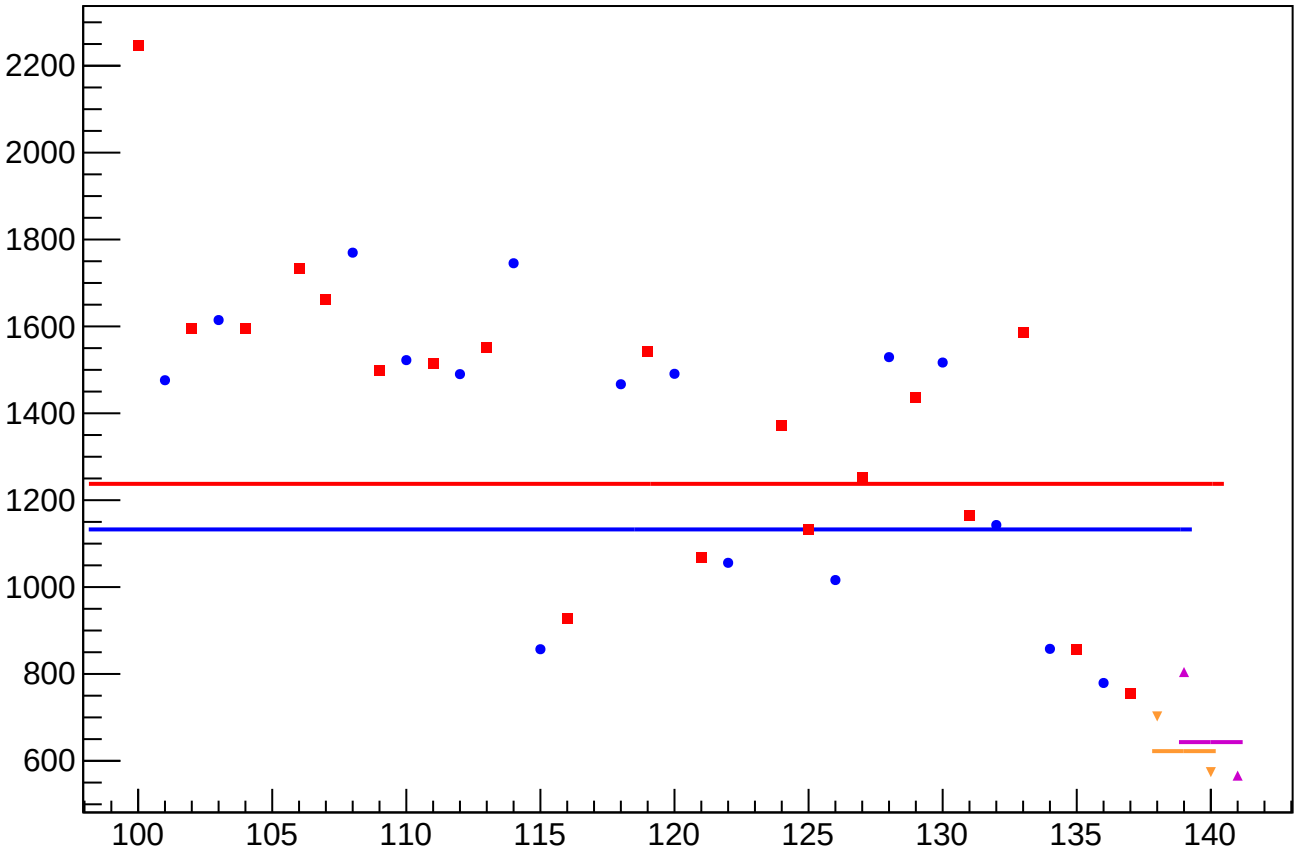
Left: -125.366+/-351.726 χ^2/NDF: 6.0/3

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -354.912+/-330.120 χ^2/NDF:23.6/17

Out: 101.268+/-340.615 χ^2/NDF:19.7/20

All: -133.958+/-237.054 χ^2/NDF: 44.3/38



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 622.362+/-0.351 χ^2/NDF:31315.3/1

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 643.133+/-0.352 χ^2/NDF:100315.2/1

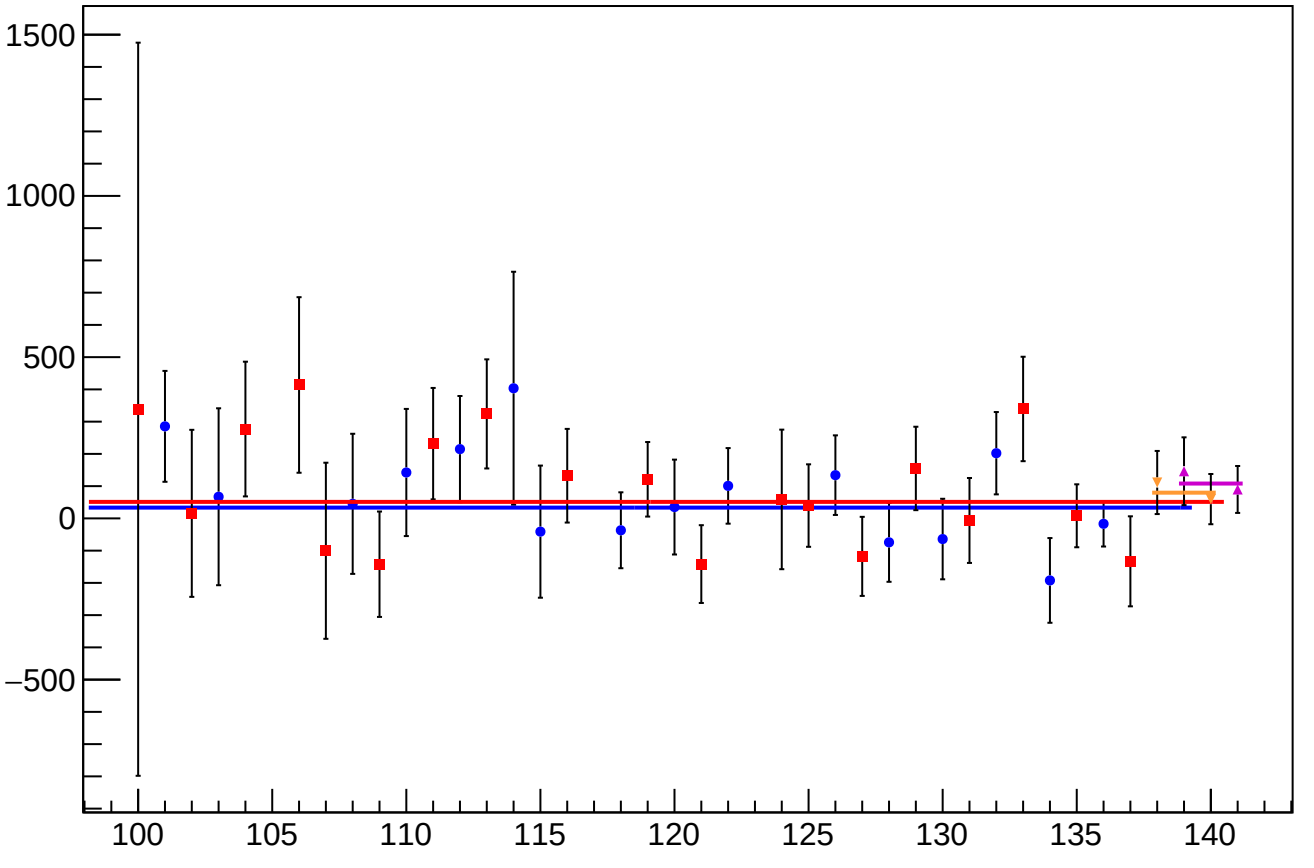
Left: 632.722+/-0.249 χ^2/NDF: 133374.2/3

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 917.593+/-0.233 χ^2/NDF:2307881.1/17

Out: 948.389+/-0.241 χ^2/NDF:2552019.8/20

All: 932.510+/-0.168 χ^2/NDF: 4868330.9/38



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 79.753+/-60.939 χ^2/NDF:0.2/1

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 108.042+/-59.822 χ^2/NDF:0.2/1

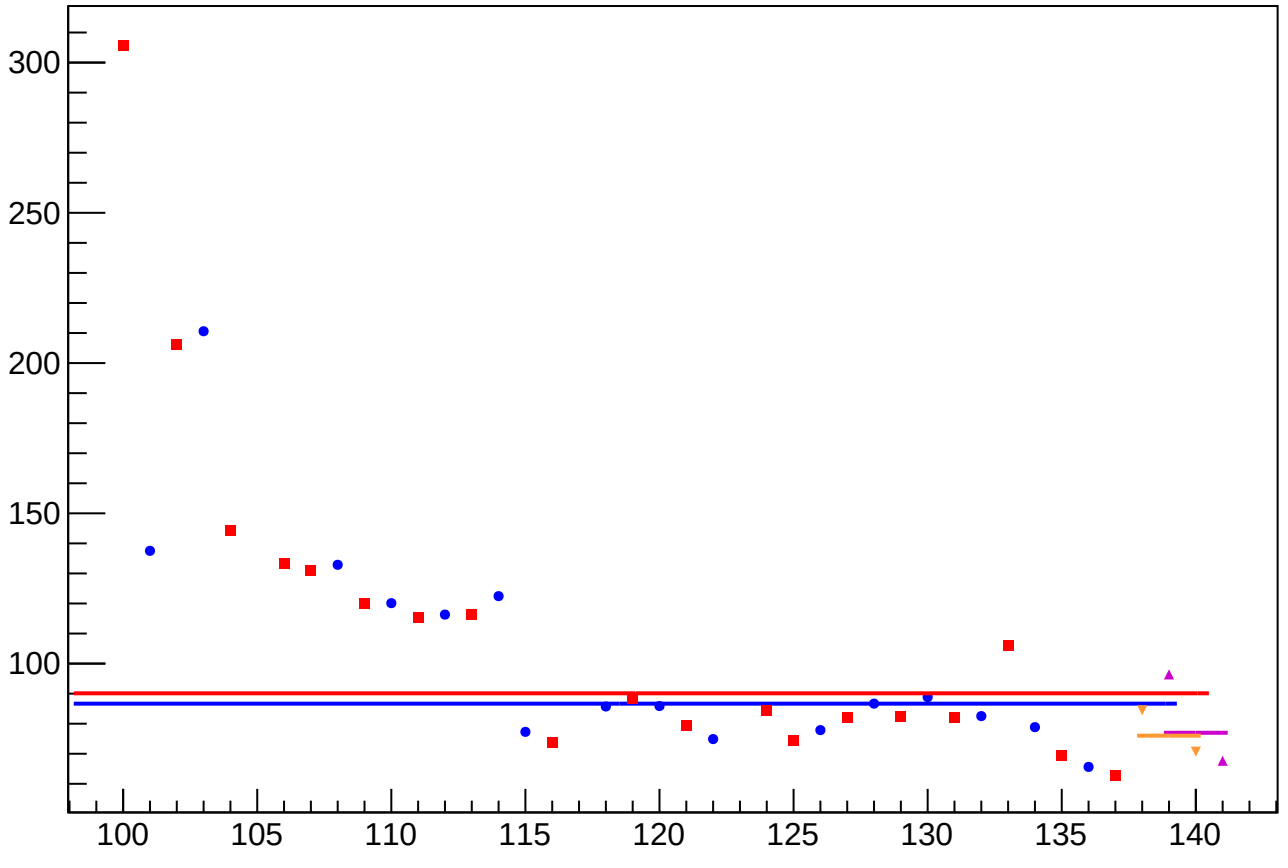
Left: 94.159+/-42.690 χ^2/NDF: 0.5/3

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 51.545+/-29.481 χ^2/NDF:14.2/17

Out: 58.229+/-30.254 χ^2/NDF:19.8/20

All: 54.800+/-21.114 χ^2/NDF: 34.1/38



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 76.021+/-0.043 χ^2/NDF:24220.7/1

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 76.979+/-0.042 χ^2/NDF:101183.8/1

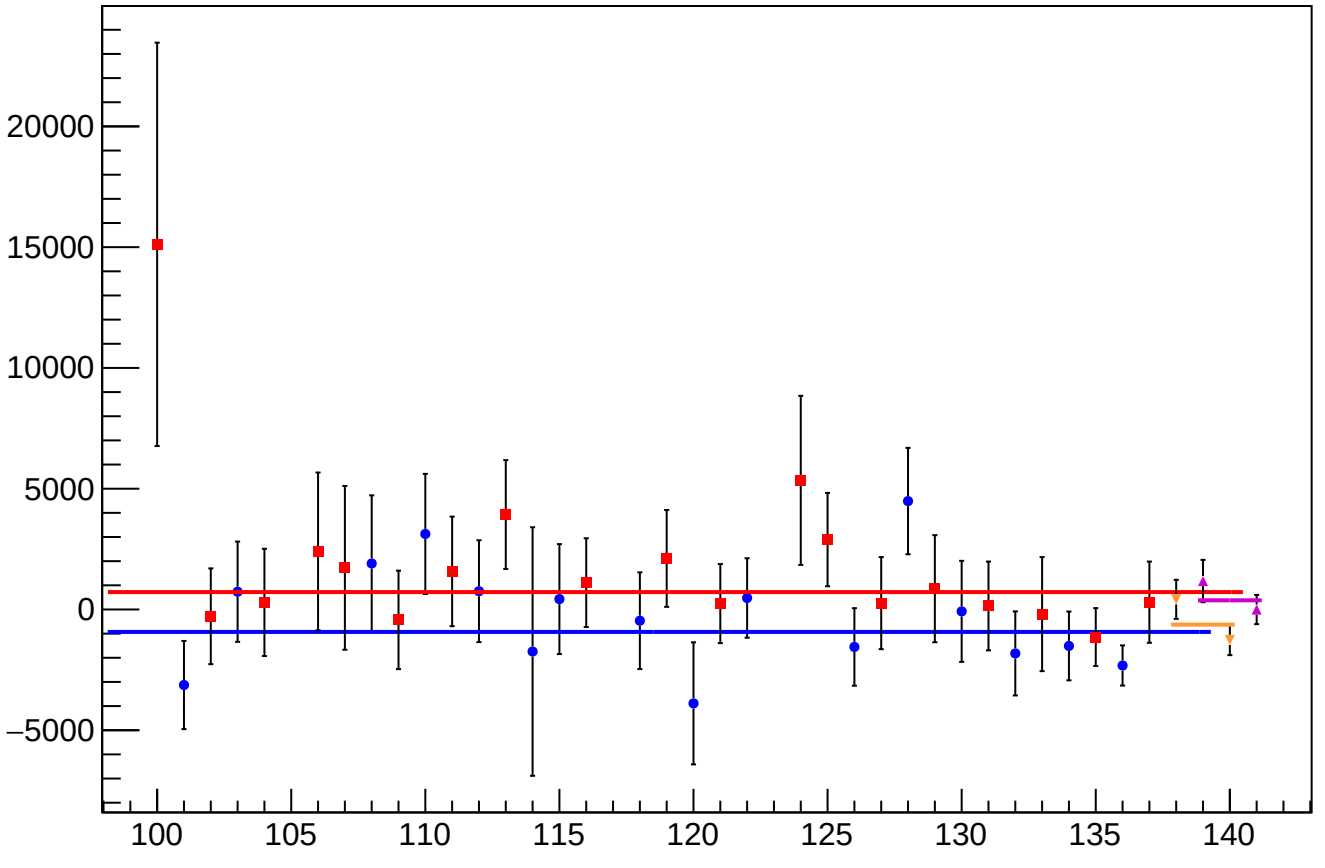
Left: 76.509+/-0.030 χ^2/NDF: 125656.2/3

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 84.313+/-0.021 χ^2/NDF:1179709.1/17

Out: 86.642+/-0.021 χ^2/NDF:1250127.3/20

All: 85.447+/-0.015 χ^2/NDF: 2435911.8/38



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -626.898+/-496.799 χ^2/NDF:2.7/1

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 378.677+/-498.034 χ^2/NDF:1.2/1

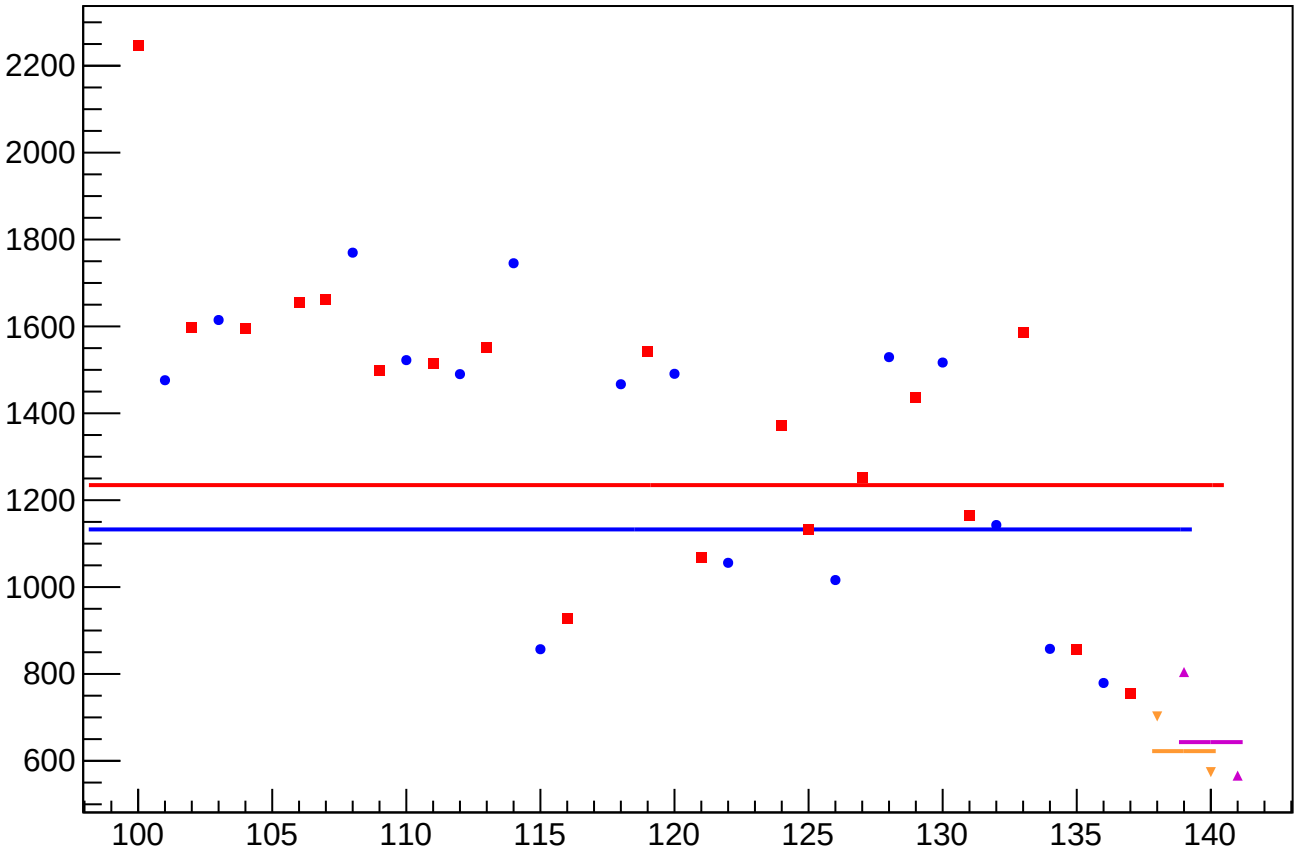
Left: -125.359+/-351.726 χ^2/NDF: 6.0/3

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -354.890+/-330.121 χ^2/NDF:23.6/17

Out: 86.264+/-340.860 χ^2/NDF:19.1/20

All: -141.372+/-237.137 χ^2/NDF: 43.6/38



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 622.361+/-0.351 χ^2/NDF:31315.4/1

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 643.133+/-0.352 χ^2/NDF:100314.2/1

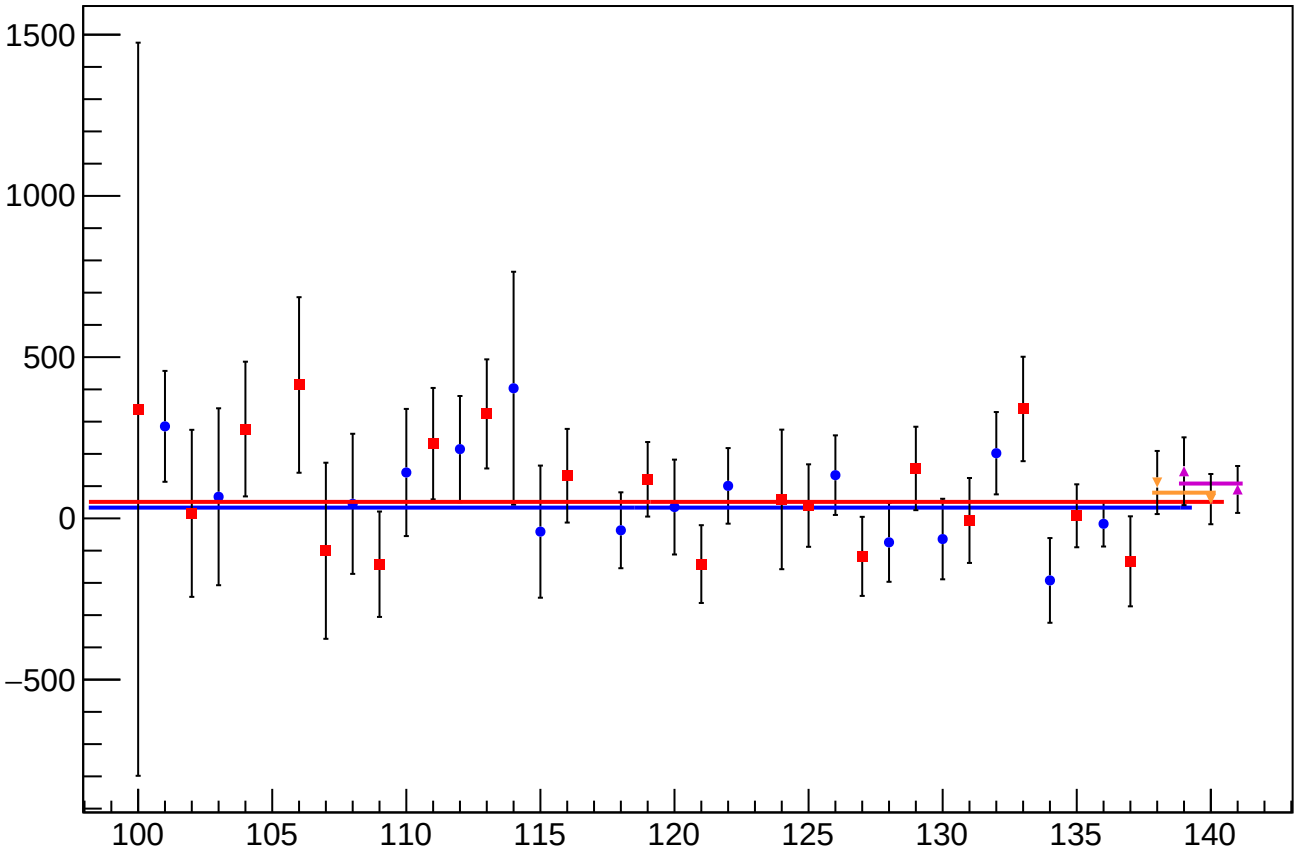
Left: 632.722+/-0.249 χ^2/NDF: 133373.5/3

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 917.594+/-0.233 χ^2/NDF:2307915.2/17

Out: 946.446+/-0.241 χ^2/NDF:2515727.5/20

All: 931.558+/-0.168 χ^2/NDF: 4831036.4/38



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 79.753+/-60.939 χ^2/NDF:0.2/1

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 108.042+/-59.822 χ^2/NDF:0.2/1

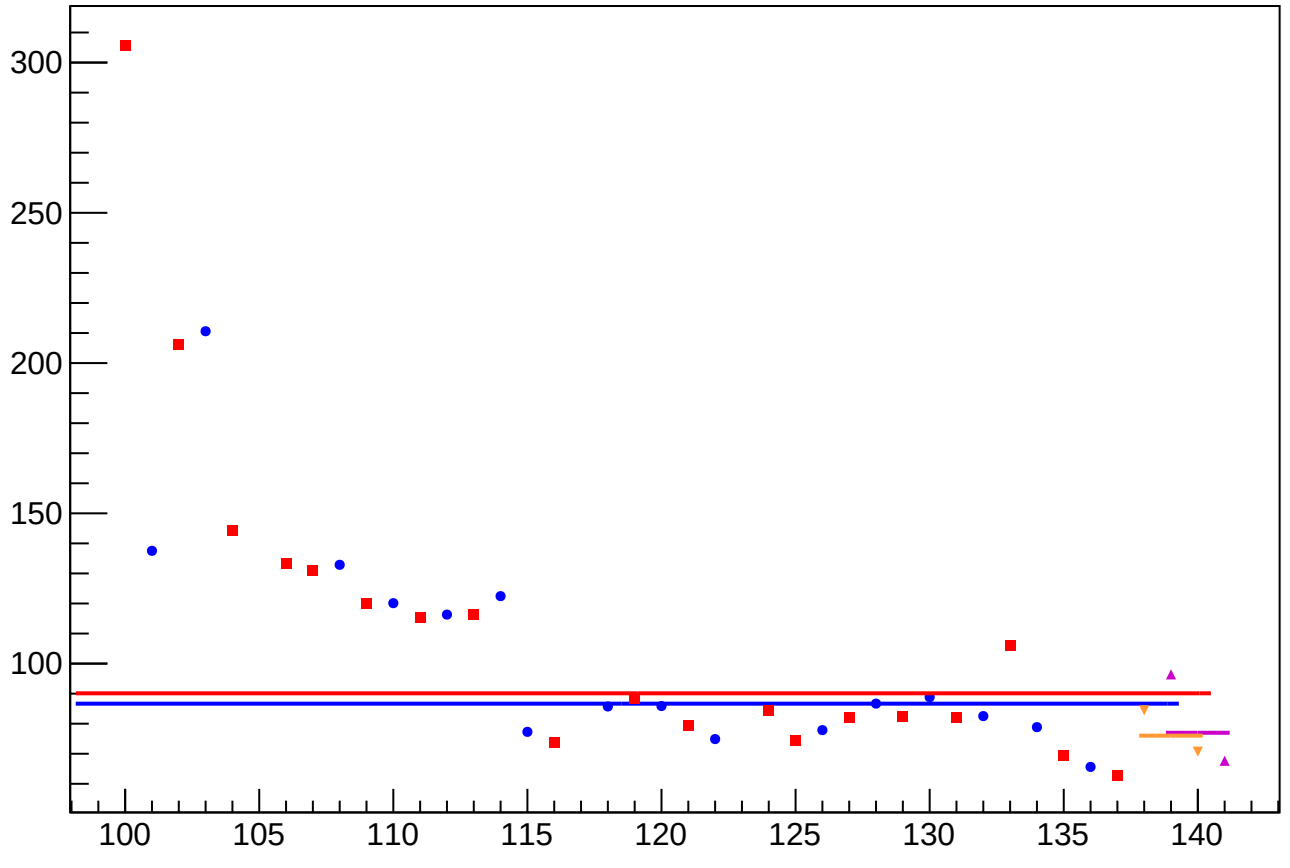
Left: 94.159+/-42.690 χ^2/NDF: 0.5/3

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 51.545+/-29.481 χ^2/NDF:14.2/17

Out: 58.229+/-30.254 χ^2/NDF:19.8/20

All: 54.800+/-21.114 χ^2/NDF: 34.1/38



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 76.021+/-0.043 χ^2/NDF:24220.7/1

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 76.979+/-0.042 χ^2/NDF:101183.8/1

Left: 76.509+/-0.030 χ^2/NDF: 125656.2/3

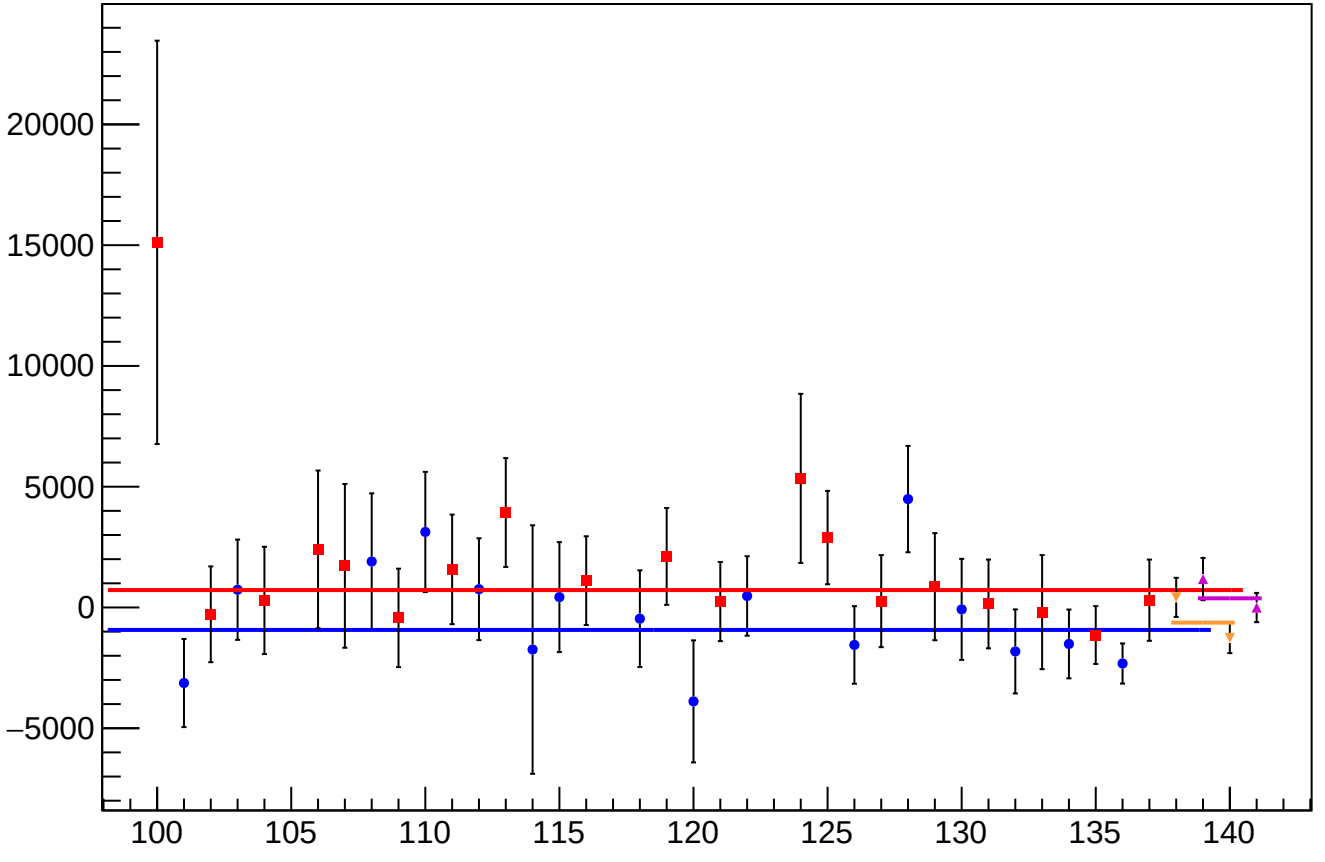
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 84.313+/-0.021 χ^2/NDF:1179709.1/17

Out: 86.642+/-0.021 χ^2/NDF:1250127.3/20

All: 85.447+/-0.015 χ^2/NDF: 2435911.8/38

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -626.898+/-496.799 χ^2/NDF:2.7/1

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 378.677+/-498.034 χ^2/NDF:1.2/1

Left: -125.359+/-351.726 χ^2/NDF: 6.0/3

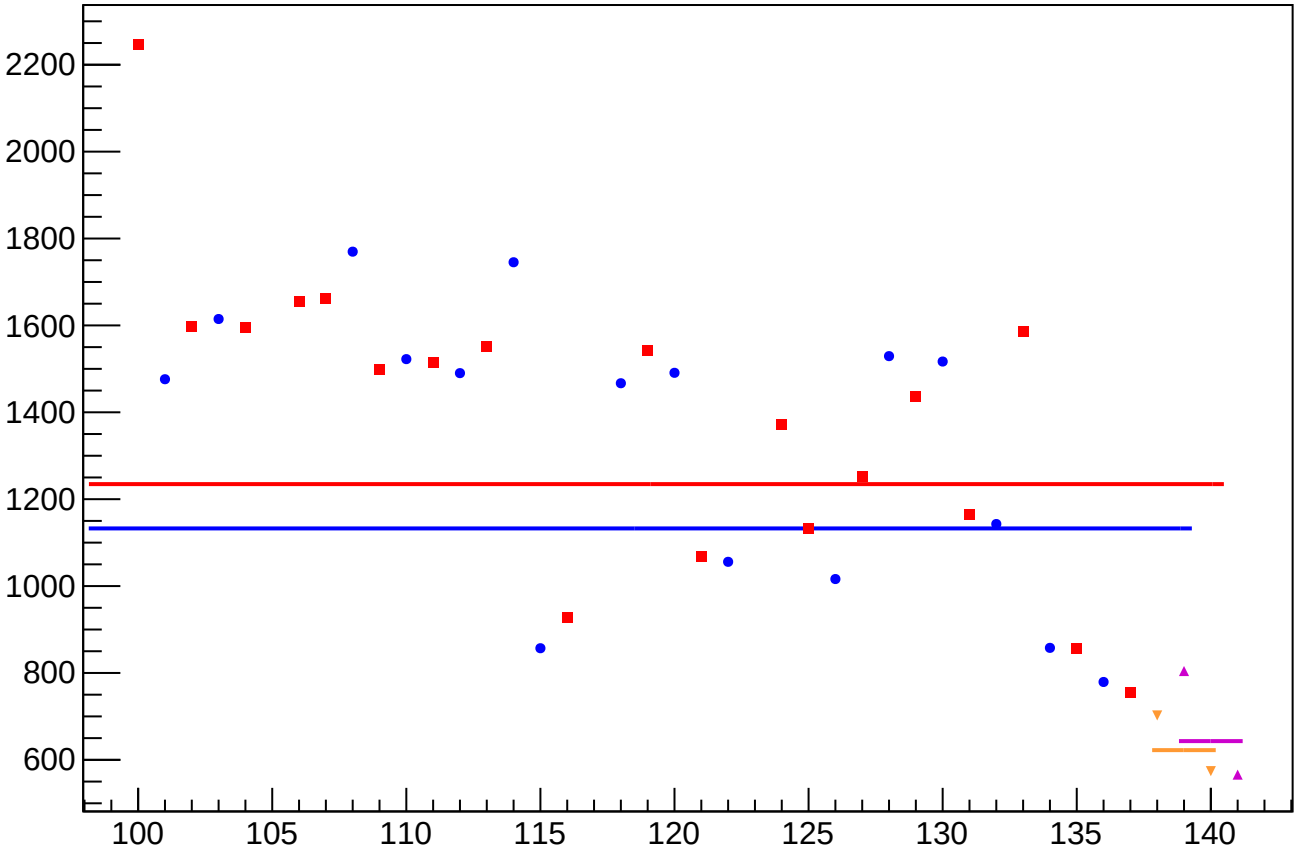
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -354.890+/-330.121 χ^2/NDF:23.6/17

Out: 86.264+/-340.860 χ^2/NDF:19.1/20

All: -141.372+/-237.137 χ^2/NDF: 43.6/38

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 622.361+/-0.351 χ^2/NDF:31315.4/1

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 643.133+/-0.352 χ^2/NDF:100314.2/1

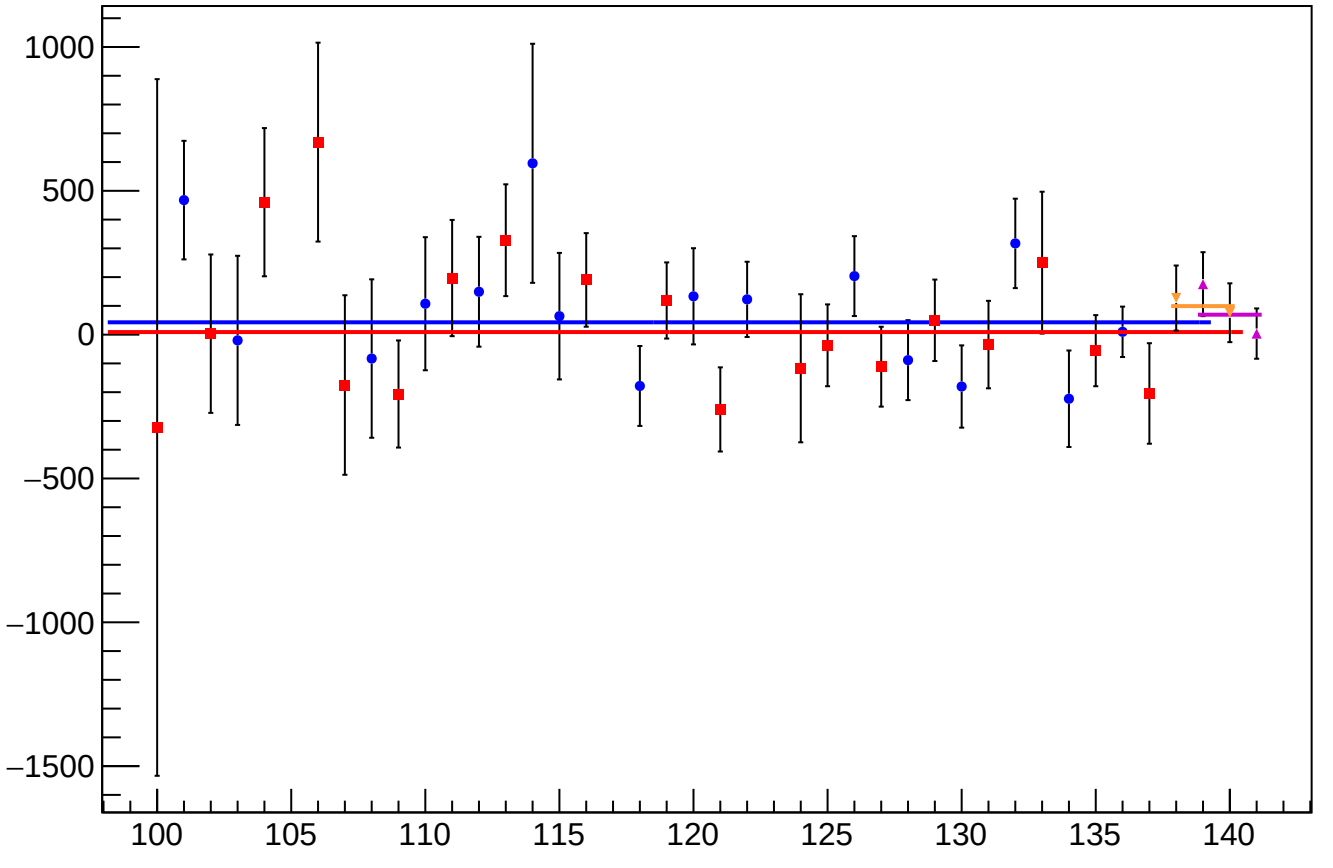
Left: 632.722+/-0.249 χ^2/NDF: 133373.5/3

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 917.594+/-0.233 χ^2/NDF:2307915.2/17

Out: 946.446+/-0.241 χ^2/NDF:2515727.5/20

All: 931.558+/-0.168 χ^2/NDF: 4831036.4/38



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 99.201+/-75.805 χ^2/NDF:0.1/1

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 69.390+/-68.733 χ^2/NDF:1.5/1

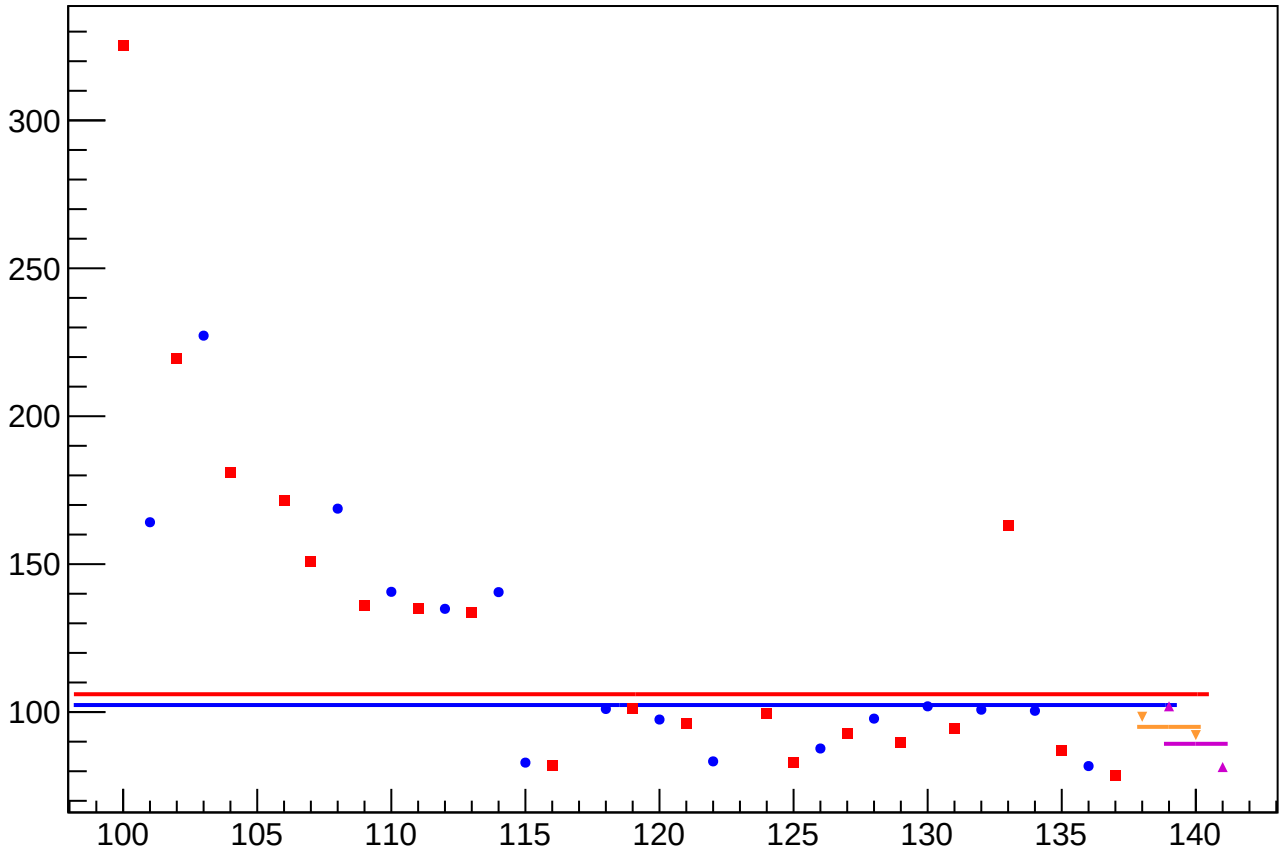
Left: 82.840+/-50.919 χ^2/NDF: 1.7/3

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 49.600+/-34.538 χ^2/NDF:21.9/17

Out: 29.452+/-36.104 χ^2/NDF:22.5/20

All: 39.972+/-24.957 χ^2/NDF: 44.6/38



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 95.000+/-0.054 χ^2/NDF:3305.2/1

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 89.271+/-0.049 χ^2/NDF:42155.3/1

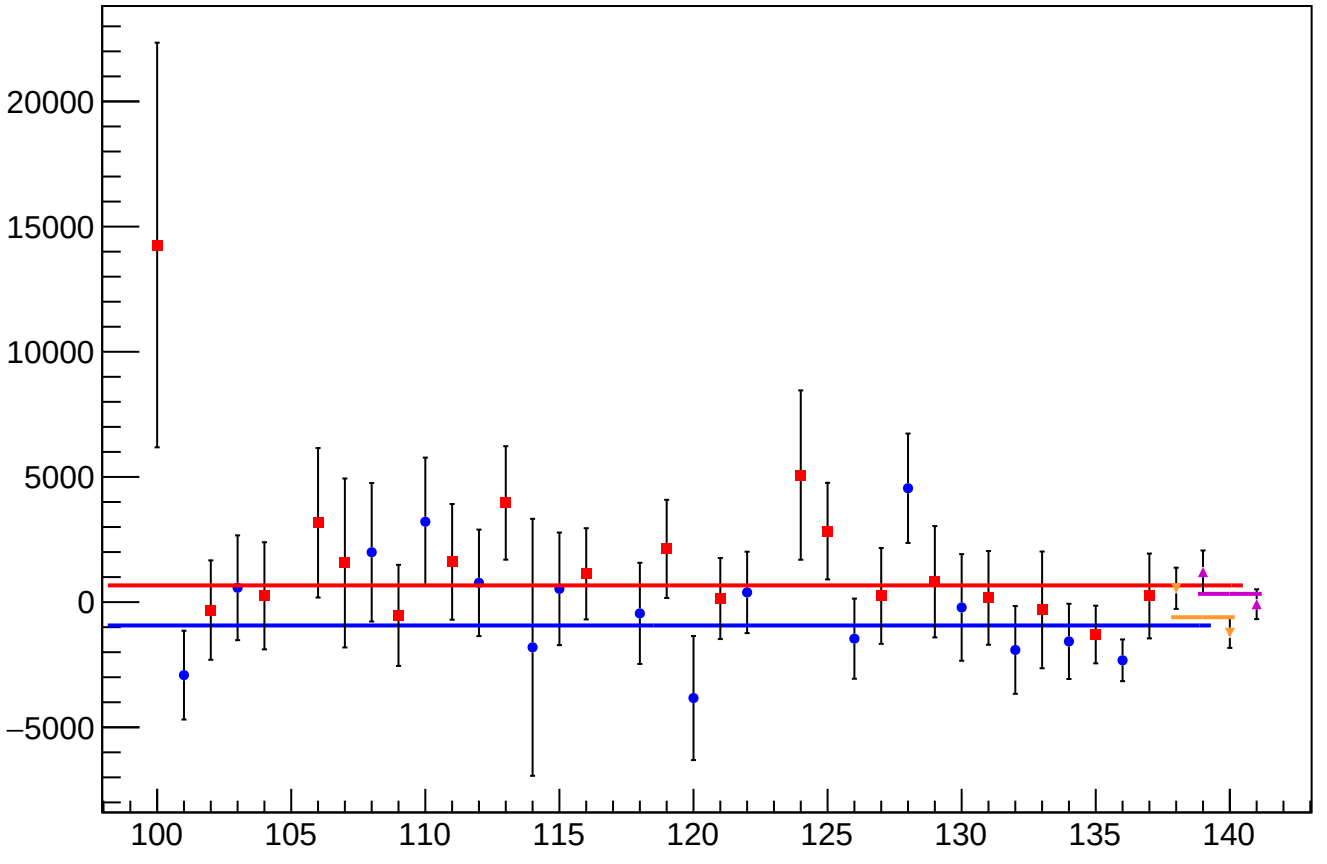
Left: 91.856+/-0.036 χ^2/NDF: 51729.8/3

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 99.069+/-0.024 χ^2/NDF:1078831.7/17

Out: 103.530+/-0.026 χ^2/NDF:1227349.9/20

All: 101.201+/-0.018 χ^2/NDF: 2322126.4/38



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -603.555+/-486.407 χ^2/NDF:3.0/1

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 329.991+/-490.452 χ^2/NDF:1.5/1

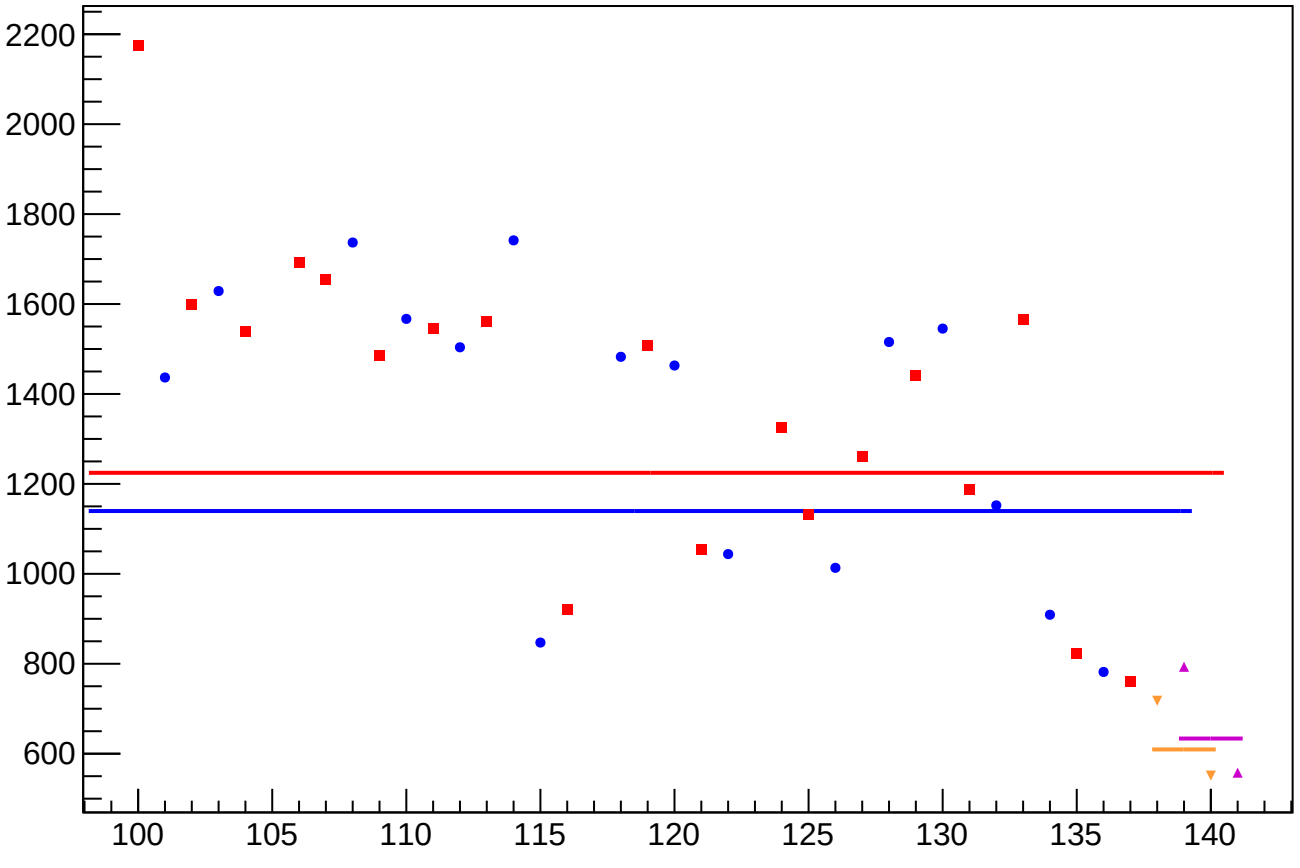
Left: -140.648+/-345.363 χ^2/NDF: 6.4/3

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -365.591+/-328.635 χ^2/NDF:23.6/17

Out: 63.535+/-335.441 χ^2/NDF:20.1/20

All: -155.426+/-234.749 χ^2/NDF: 44.5/38



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 609.504+/-0.344 χ^2/NDF:53253.3/1

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 633.724+/-0.347 χ^2/NDF:100693.4/1

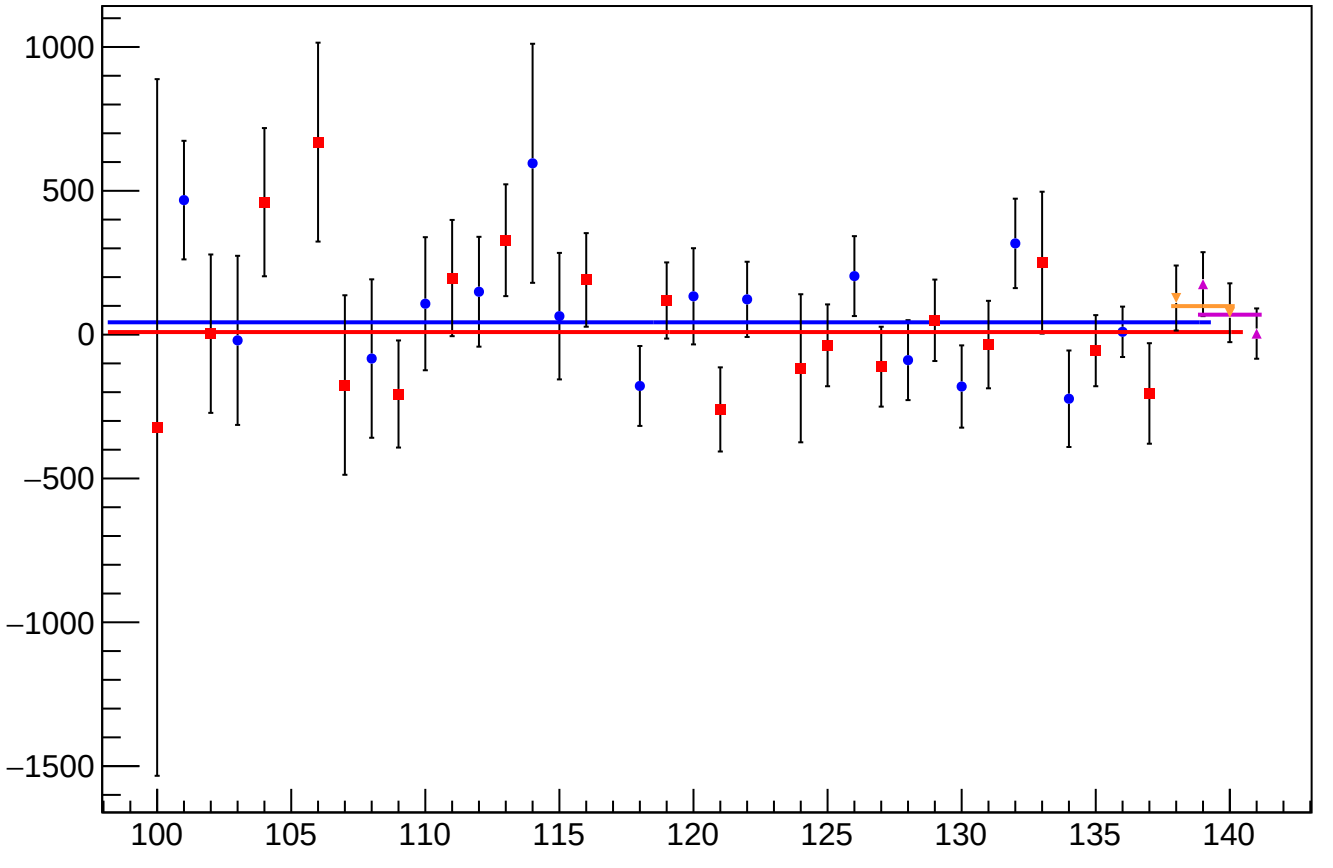
Left: 621.514+/-0.244 χ^2/NDF: 156405.6/3

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 912.500+/-0.232 χ^2/NDF:2366796.9/17

Out: 932.086+/-0.237 χ^2/NDF:2653053.9/20

All: 922.092+/-0.166 χ^2/NDF: 5023330.1/38



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 99.199+/-75.805 χ^2/NDF:0.1/1

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 69.391+/-68.733 χ^2/NDF:1.5/1

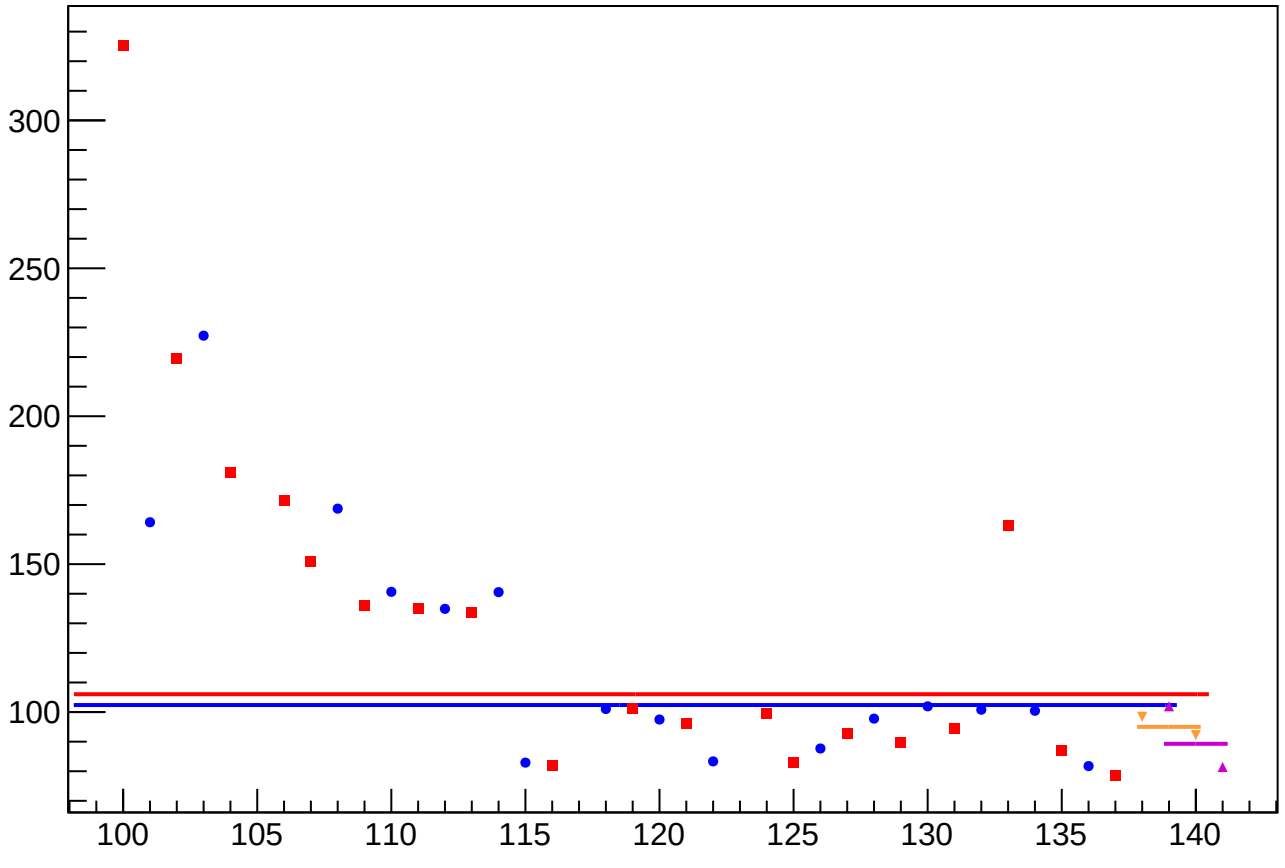
Left: 82.840+/-50.919 χ^2/NDF: 1.7/3

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 49.600+/-34.538 χ^2/NDF:21.9/17

Out: 29.449+/-36.104 χ^2/NDF:22.5/20

All: 39.971+/-24.957 χ^2/NDF: 44.6/38



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 95.000+/-0.054 χ^2/NDF:3304.6/1

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 89.272+/-0.049 χ^2/NDF:42154.7/1

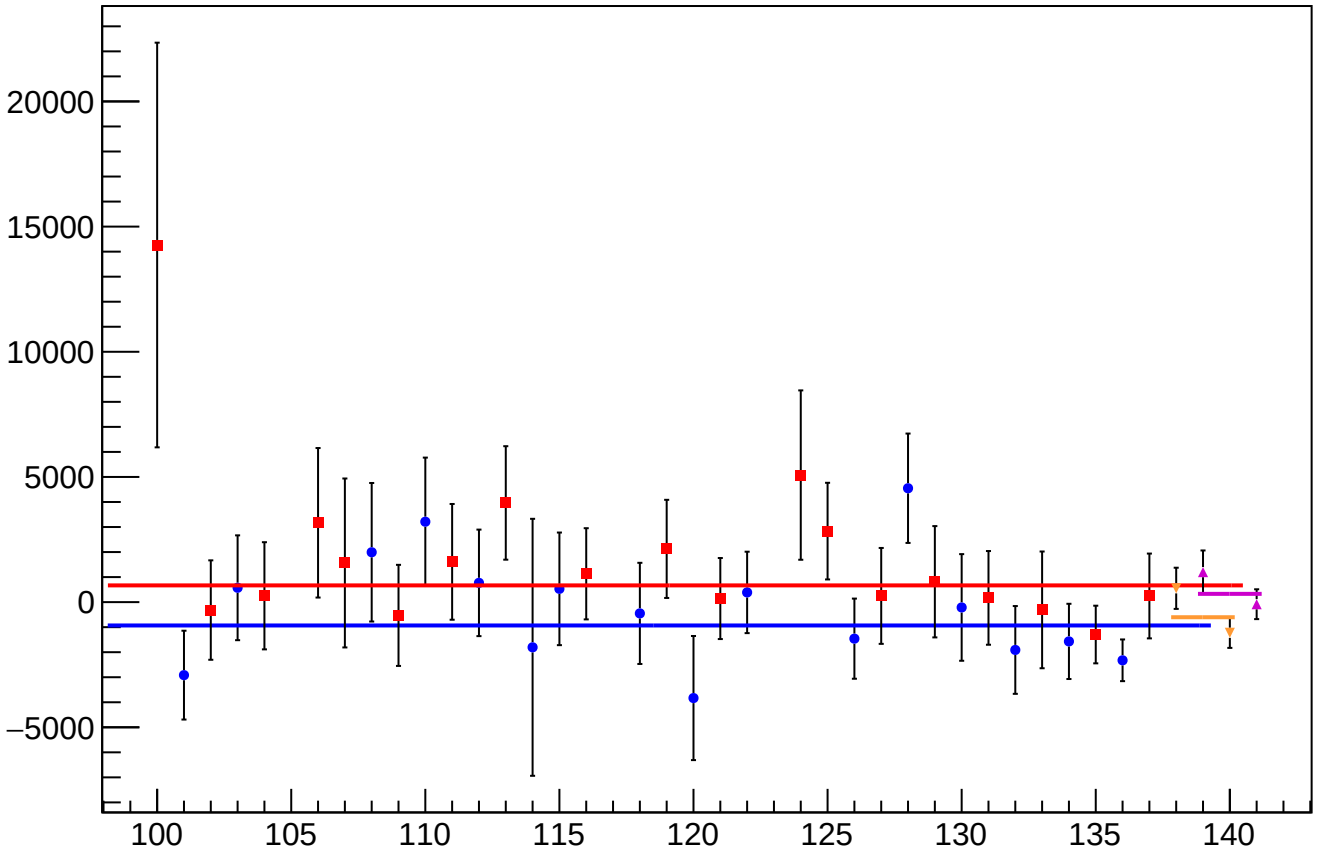
Left: 91.856+/-0.036 χ^2/NDF: 51728.0/3

Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 99.069+/-0.024 χ^2/NDF:1078822.1/17

Out: 103.530+/-0.026 χ^2/NDF:1227351.5/20

All: 101.201+/-0.018 χ^2/NDF: 2322118.4/38



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -603.555+/-486.406 χ^2/NDF:3.0/1

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 329.993+/-490.452 χ^2/NDF:1.5/1

Left: -140.647+/-345.363 χ^2/NDF: 6.4/3

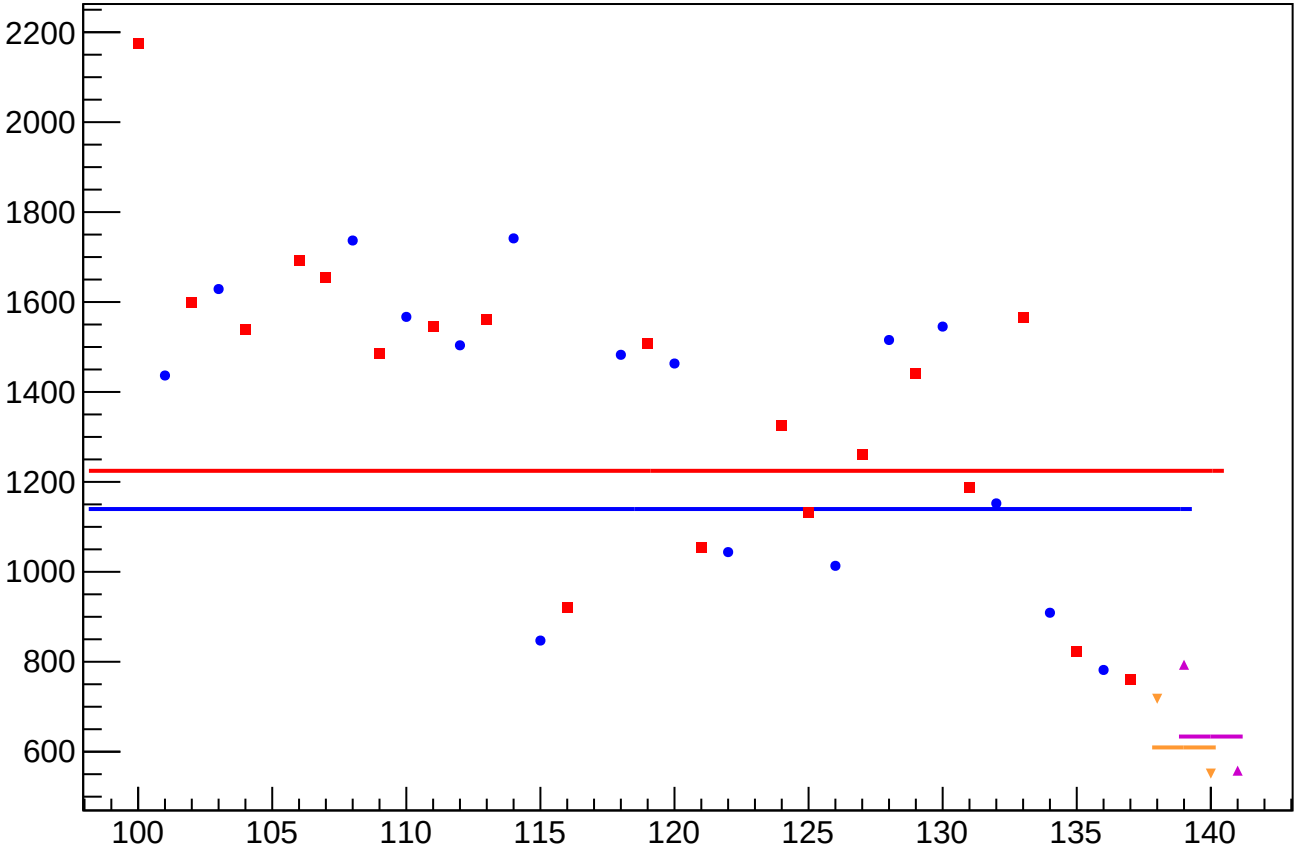
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -365.589+/-328.635 χ^2/NDF:23.6/17

Out: 63.536+/-335.440 χ^2/NDF:20.1/20

All: -155.424+/-234.749 χ^2/NDF: 44.5/38

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 609.503+/-0.344 χ^2/NDF:53252.5/1

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 633.724+/-0.347 χ^2/NDF:100691.8/1

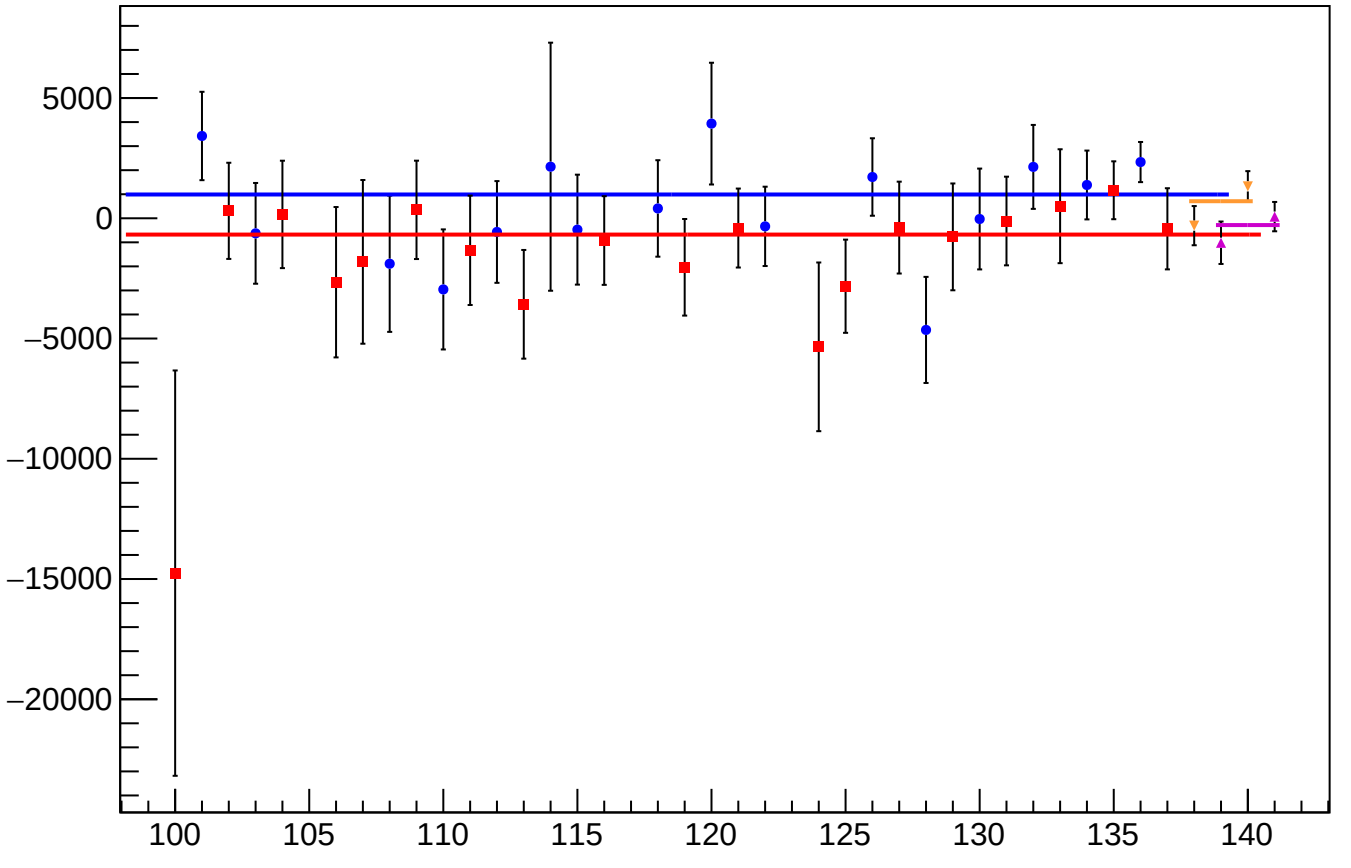
Left: 621.513+/-0.244 χ^2/NDF: 156403.2/3

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 912.499+/-0.232 χ^2/NDF:2366780.9/17

Out: 932.085+/-0.237 χ^2/NDF:2653039.5/20

All: 922.091+/-0.166 χ^2/NDF: 5023299.5/38



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 709.675+/-500.585 χ^2/NDF:2.5/1

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -282.033+/-501.670 χ^2/NDF:1.0/1

Left: 214.895+/-354.350 χ^2/NDF: 5.5/3

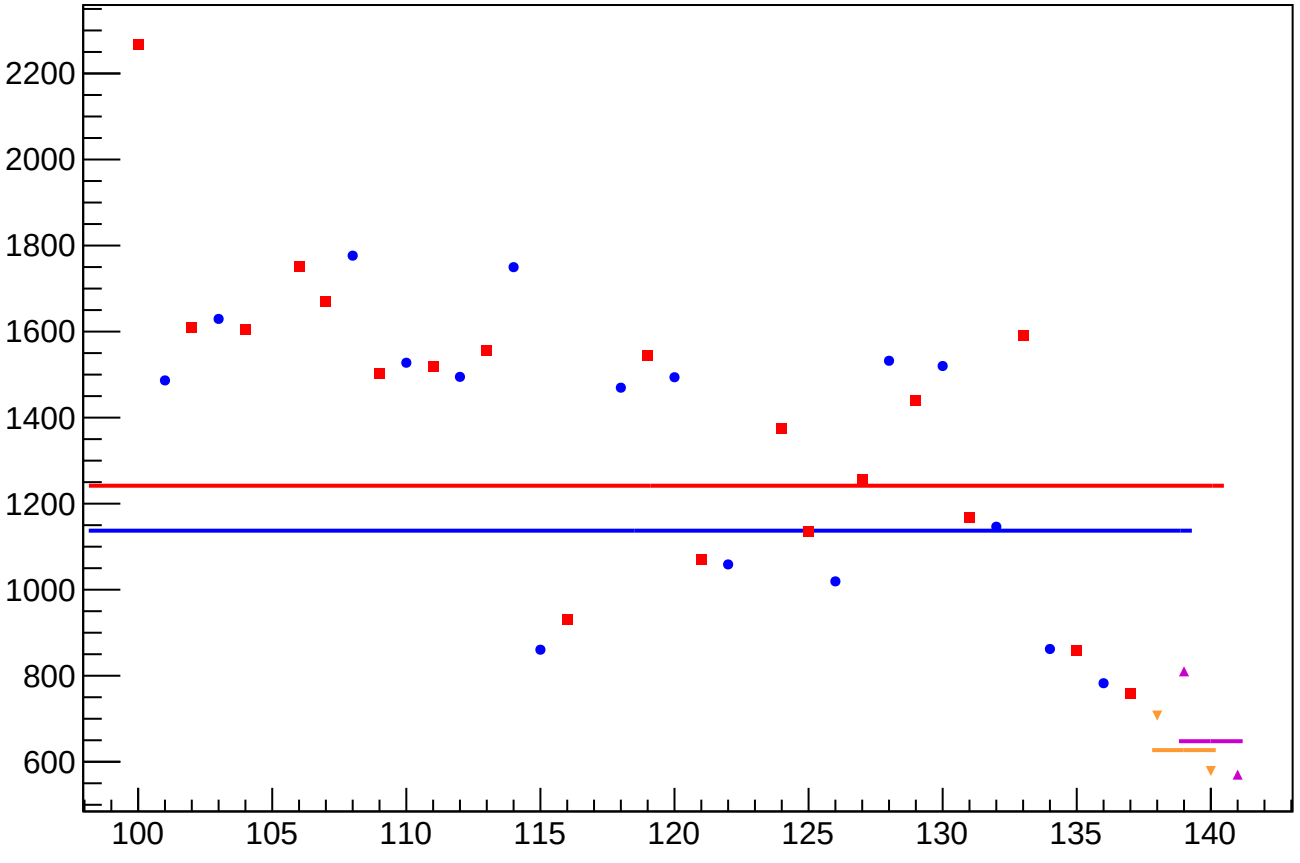
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 432.818+/-331.909 χ^2/NDF:23.7/17

Out: -28.162+/-342.508 χ^2/NDF:18.5/20

All: 209.571+/-238.354 χ^2/NDF: 43.1/38

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 627.080+/-0.354 χ^2/NDF:31203.1/1

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 647.816+/-0.355 χ^2/NDF:100265.5/1

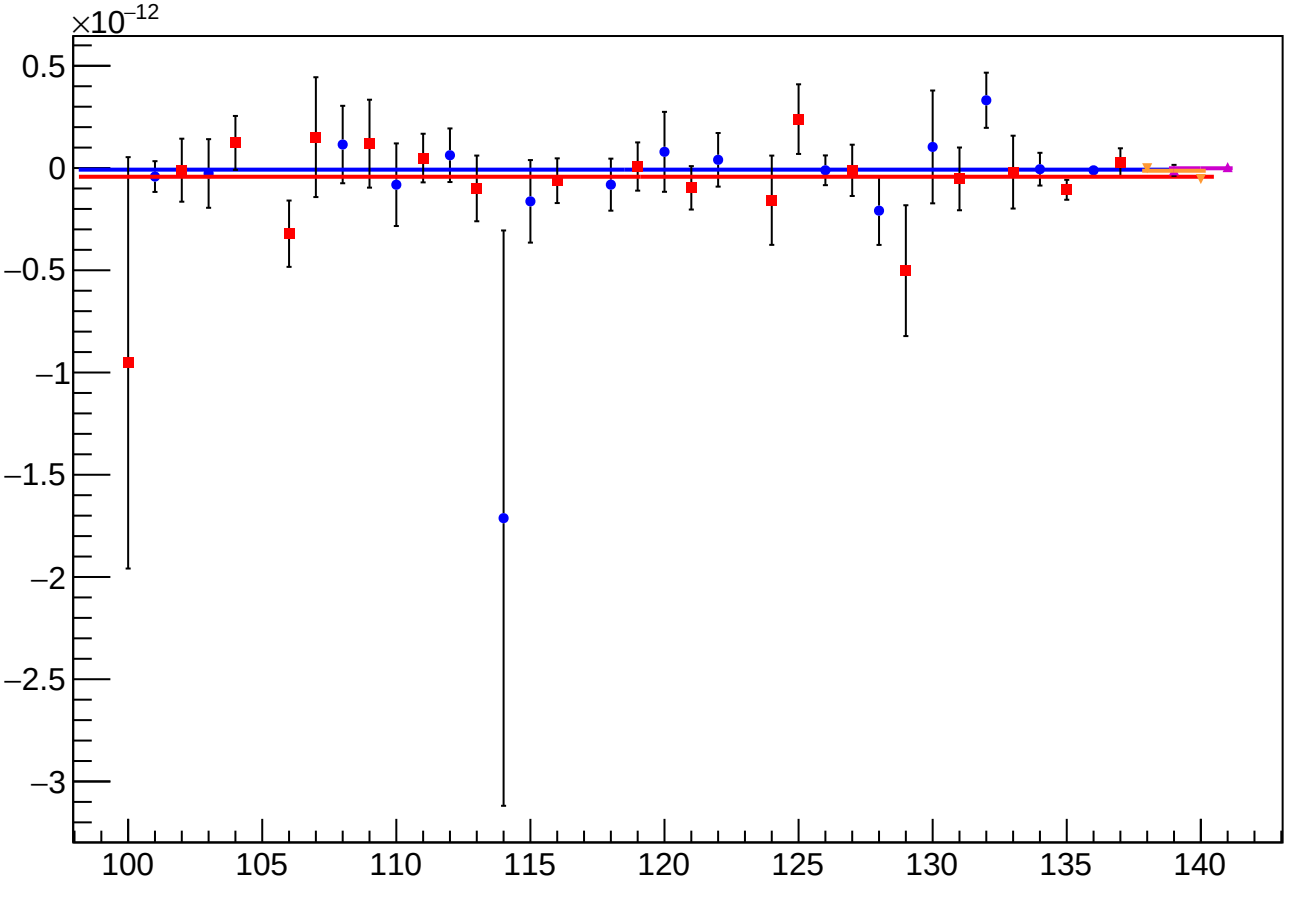
Left: 637.425+/-0.251 χ^2/NDF: 133180.9/3

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 922.995+/-0.235 χ^2/NDF:2294178.9/17

Out: 953.970+/-0.242 χ^2/NDF:2534198.8/20

All: 937.996+/-0.169 χ^2/NDF: 4836813.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

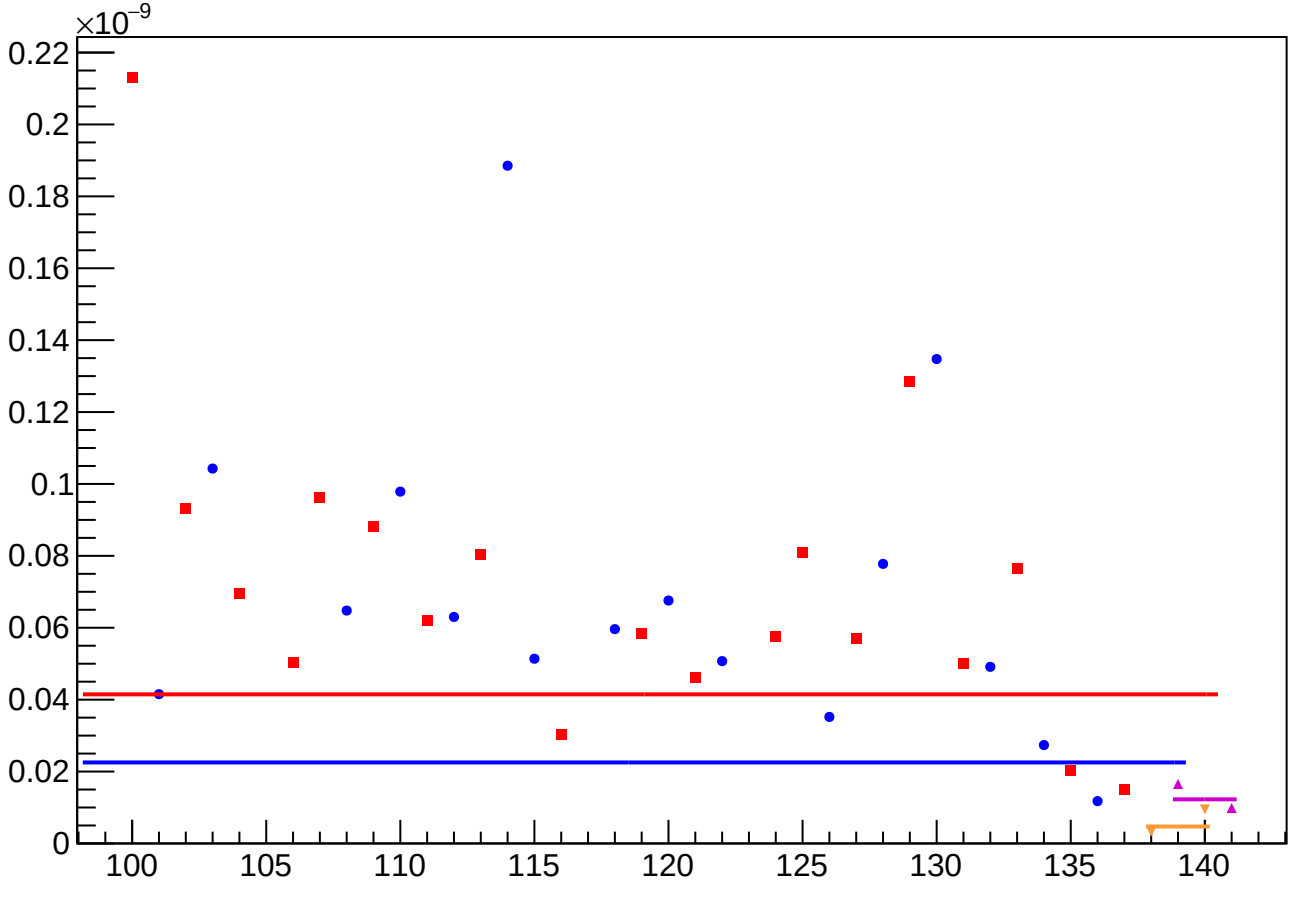
Left: -0.000+/-0.000 χ^2/NDF: 7.4/3

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:12.0/17

Out: -0.000+/-0.000 χ^2/NDF:23.3/20

All: -0.000+/-0.000 χ^2/NDF: 36.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:183099.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:79975.2/1

Left: 0.000+/-0.000 χ^2/NDF: 606861.9/3

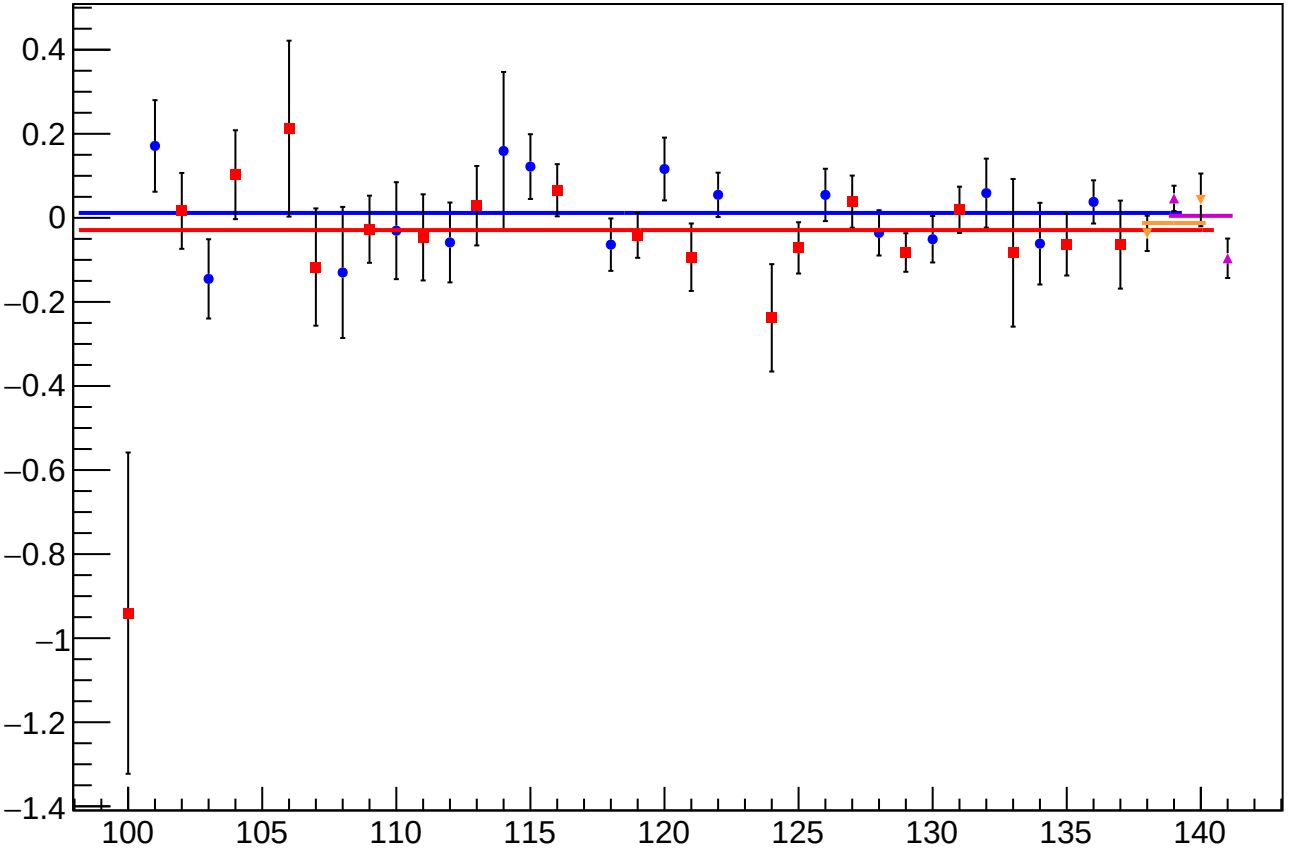
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:3309035.3/17

Out: 0.000+/-0.000 χ^2/NDF:5381774.7/20

All: 0.000+/-0.000 χ^2/NDF: 9465689.9/38

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.012+/-0.035 χ^2/NDF:1.1/1

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.025 χ^2/NDF:6.5/1

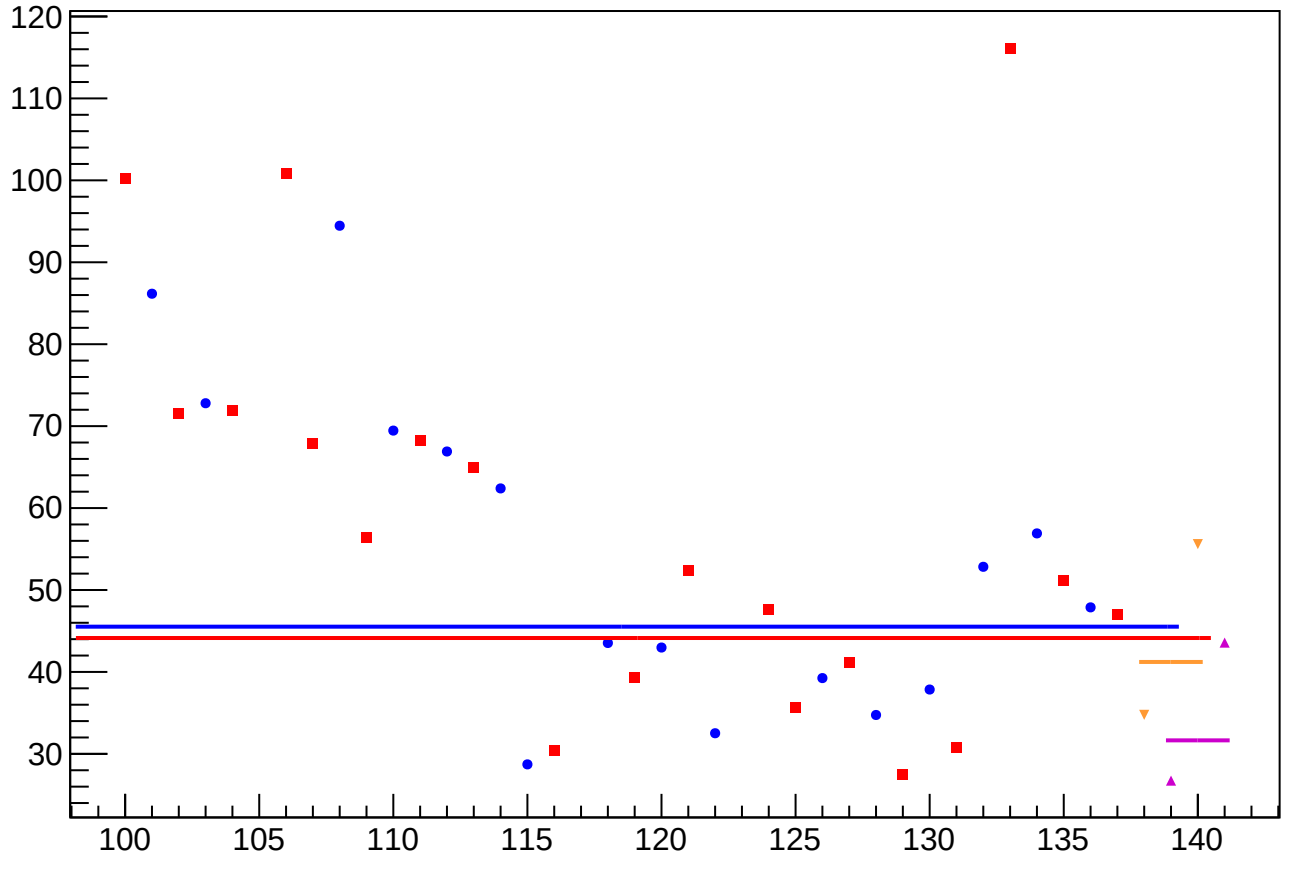
Left: -0.001+/-0.021 χ^2/NDF: 7.8/3

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.009+/-0.015 χ^2/NDF:23.4/17

Out: -0.026+/-0.016 χ^2/NDF:20.8/20

All: -0.007+/-0.011 χ^2/NDF: 46.9/38



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 41.218+/-0.025 χ^2/NDF:152301.7/1

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 31.649+/-0.018 χ^2/NDF:182608.8/1

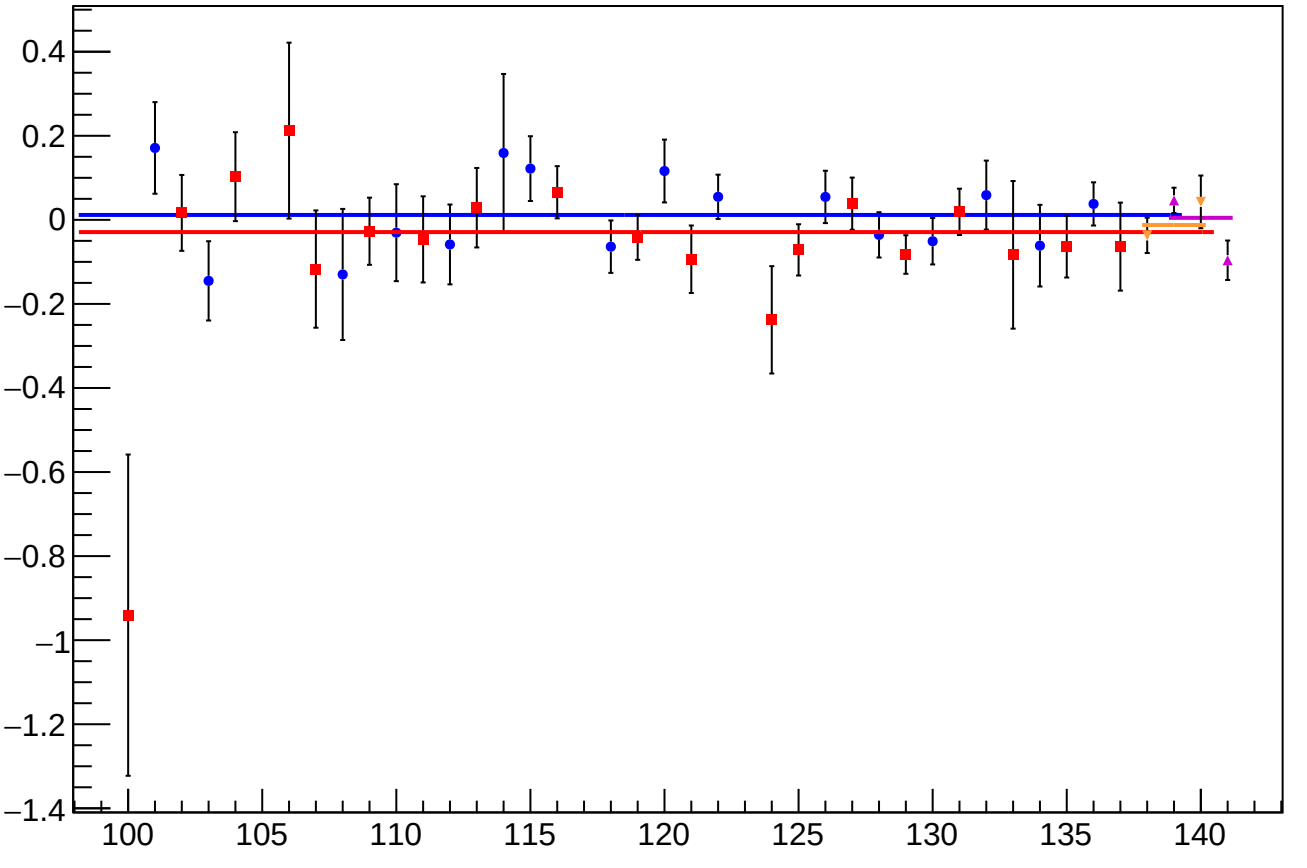
Left: 34.951+/-0.015 χ^2/NDF: 433308.8/3

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.763+/-0.010 χ^2/NDF:1830421.3/17

Out: 43.534+/-0.011 χ^2/NDF:1906834.7/20

All: 42.052+/-0.008 χ^2/NDF: 3769670.1/38



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.012+/-0.035 χ^2/NDF:1.1/1

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.025 χ^2/NDF:6.5/1

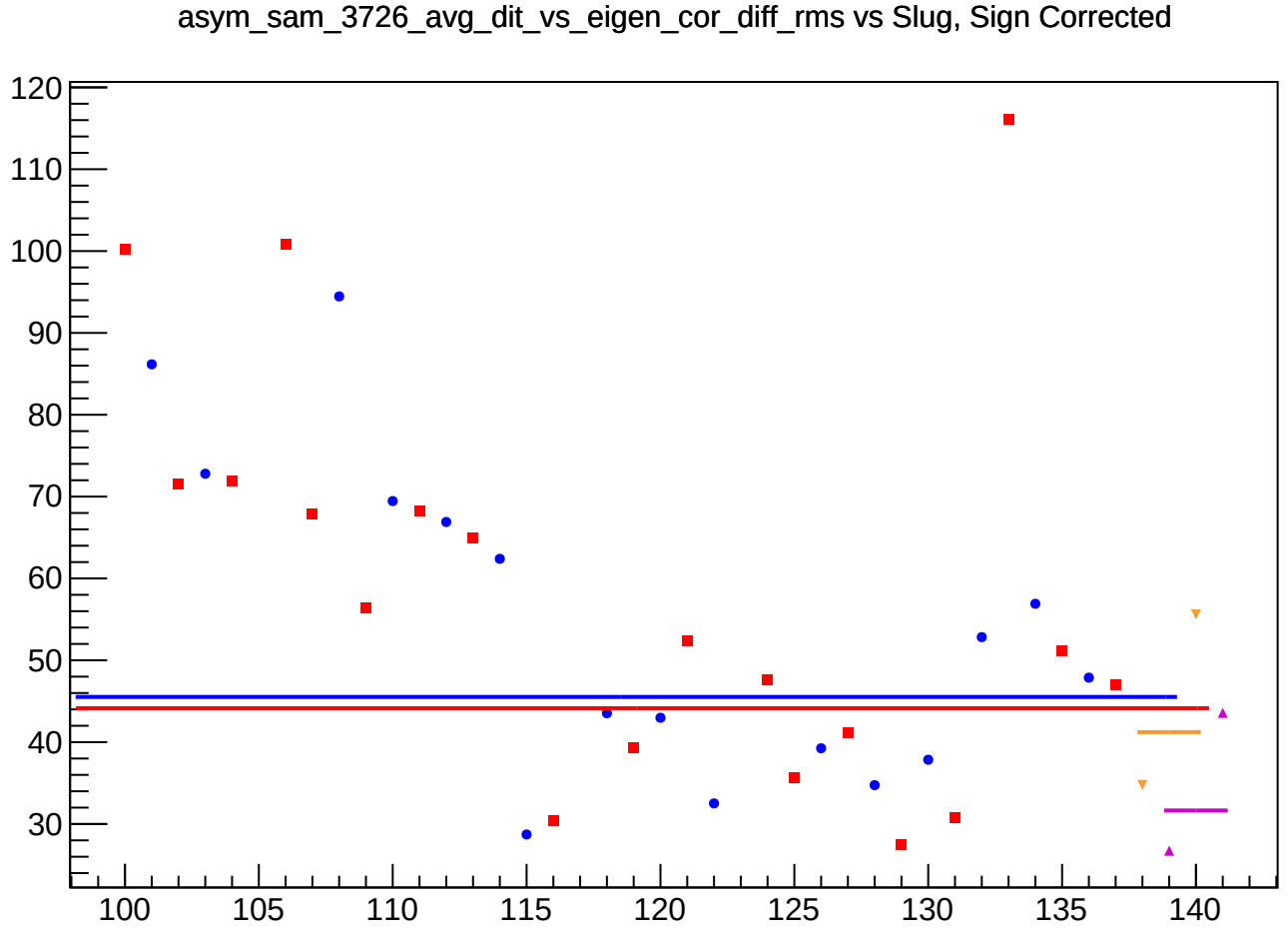
Left: -0.001+/-0.021 χ^2/NDF: 7.8/3

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.009+/-0.015 χ^2/NDF:23.4/17

Out: -0.026+/-0.016 χ^2/NDF:20.8/20

All: -0.007+/-0.011 χ^2/NDF: 46.9/38



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 41.218+/-0.025 χ^2/NDF:152301.7/1

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 31.649+/-0.018 χ^2/NDF:182608.8/1

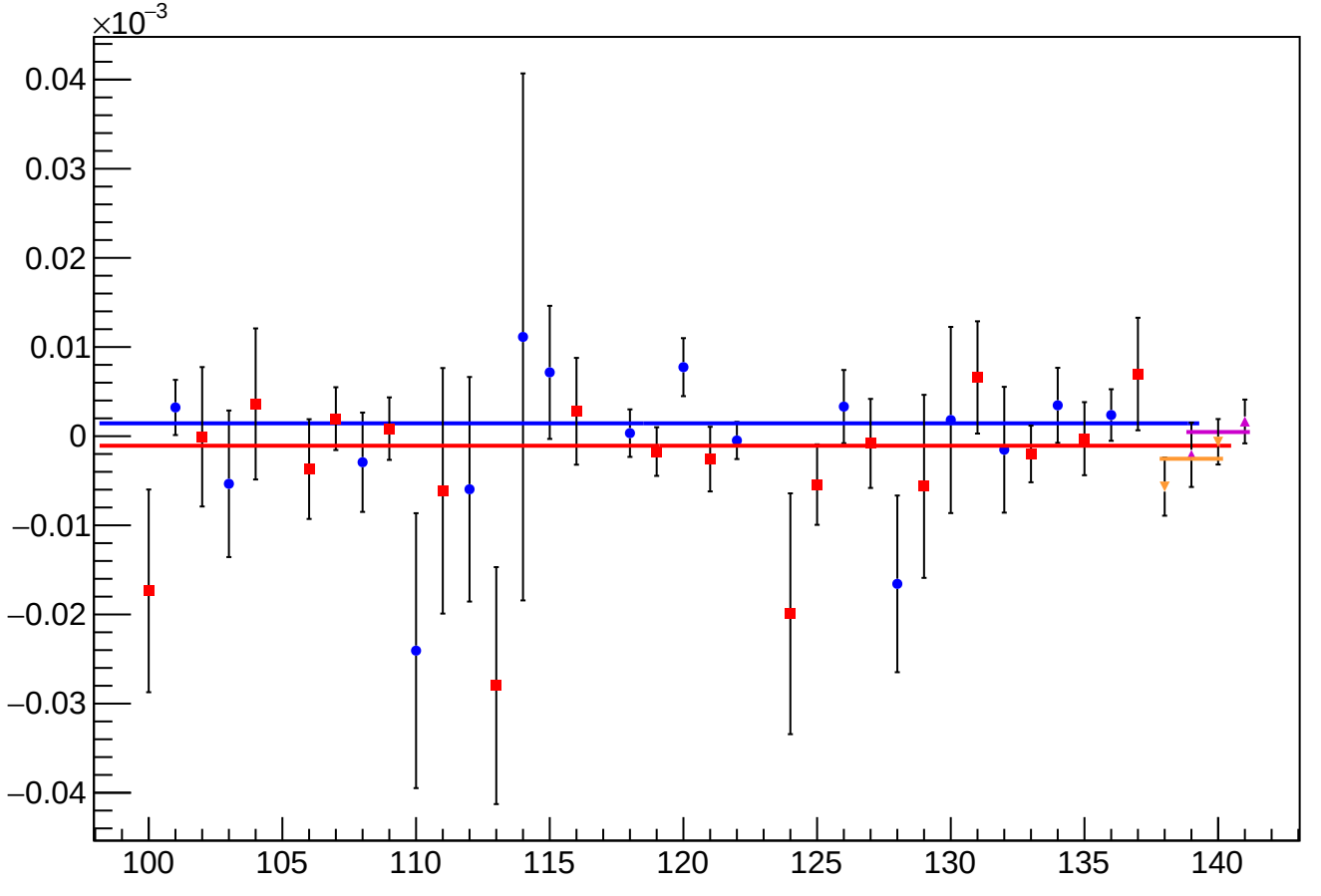
Left: 34.951+/-0.015 χ^2/NDF: 433308.8/3

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.763+/-0.010 χ^2/NDF:1830421.3/17

Out: 43.534+/-0.011 χ^2/NDF:1906834.7/20

All: 42.052+/-0.008 χ^2/NDF: 3769670.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

Left: -0.000+/-0.000 χ^2/NDF: 3.3/3

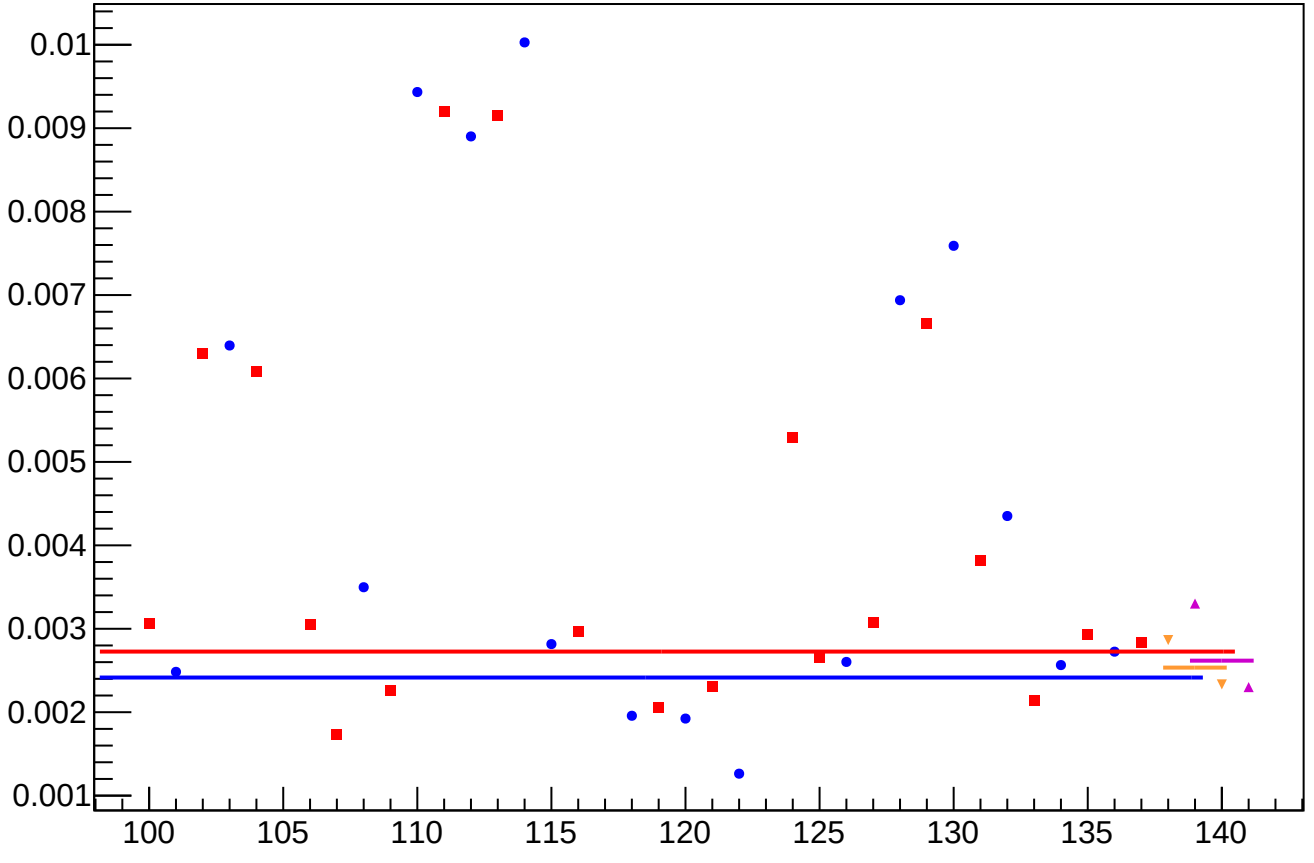
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:15.1/17

Out: -0.000+/-0.000 χ^2/NDF:16.7/20

All: -0.000+/-0.000 χ^2/NDF: 35.7/38

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.003+/-0.000 χ^2/NDF:32918.9/1

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.003+/-0.000 χ^2/NDF:105240.3/1

Left: 0.003+/-0.000 χ^2/NDF: 139855.8/3

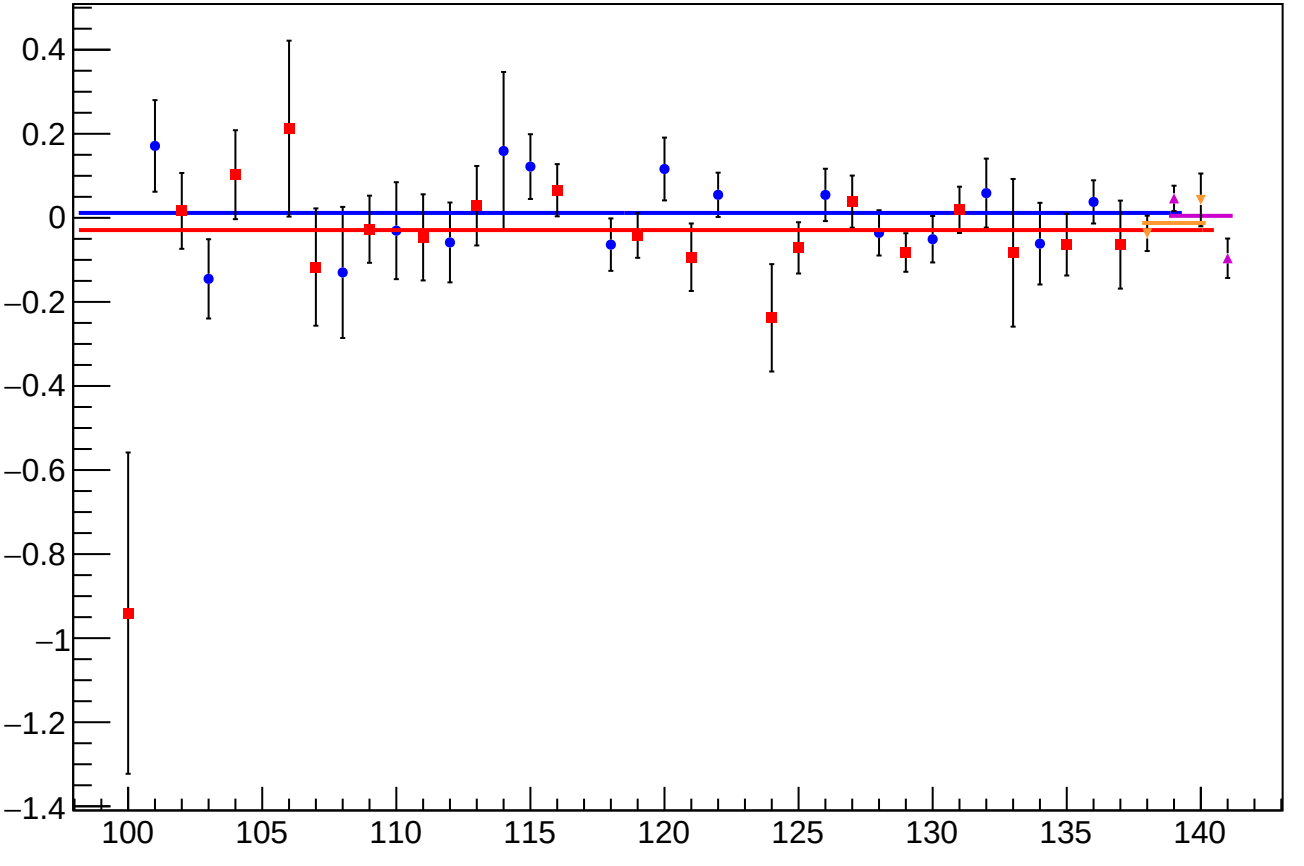
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:3553062.9/17

Out: 0.003+/-0.000 χ^2/NDF:2551914.4/20

All: 0.003+/-0.000 χ^2/NDF: 6159787.3/38

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.012+/-0.035 χ^2/NDF:1.1/1

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.025 χ^2/NDF:6.5/1

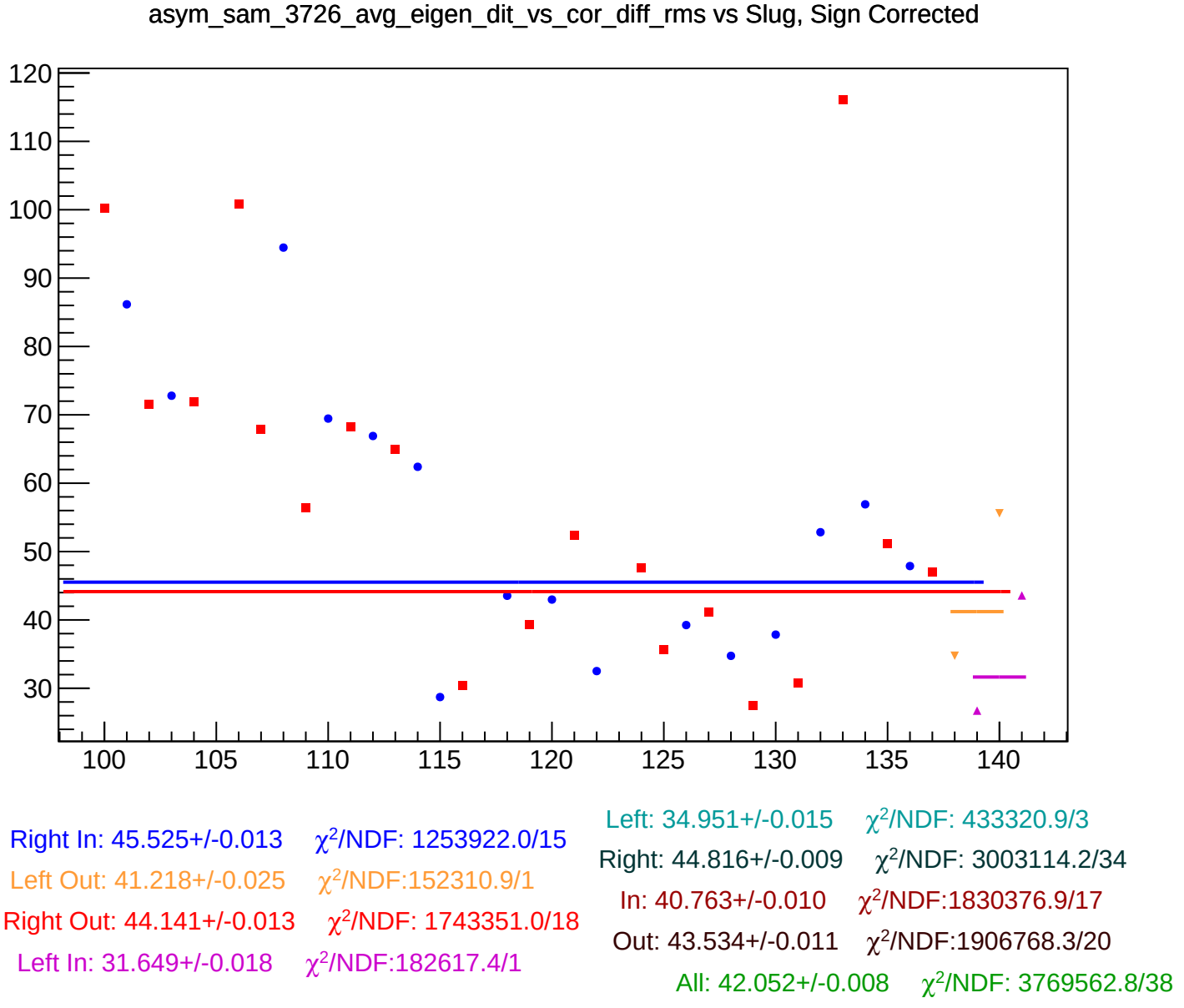
Left: -0.001+/-0.021 χ^2/NDF: 7.8/3

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

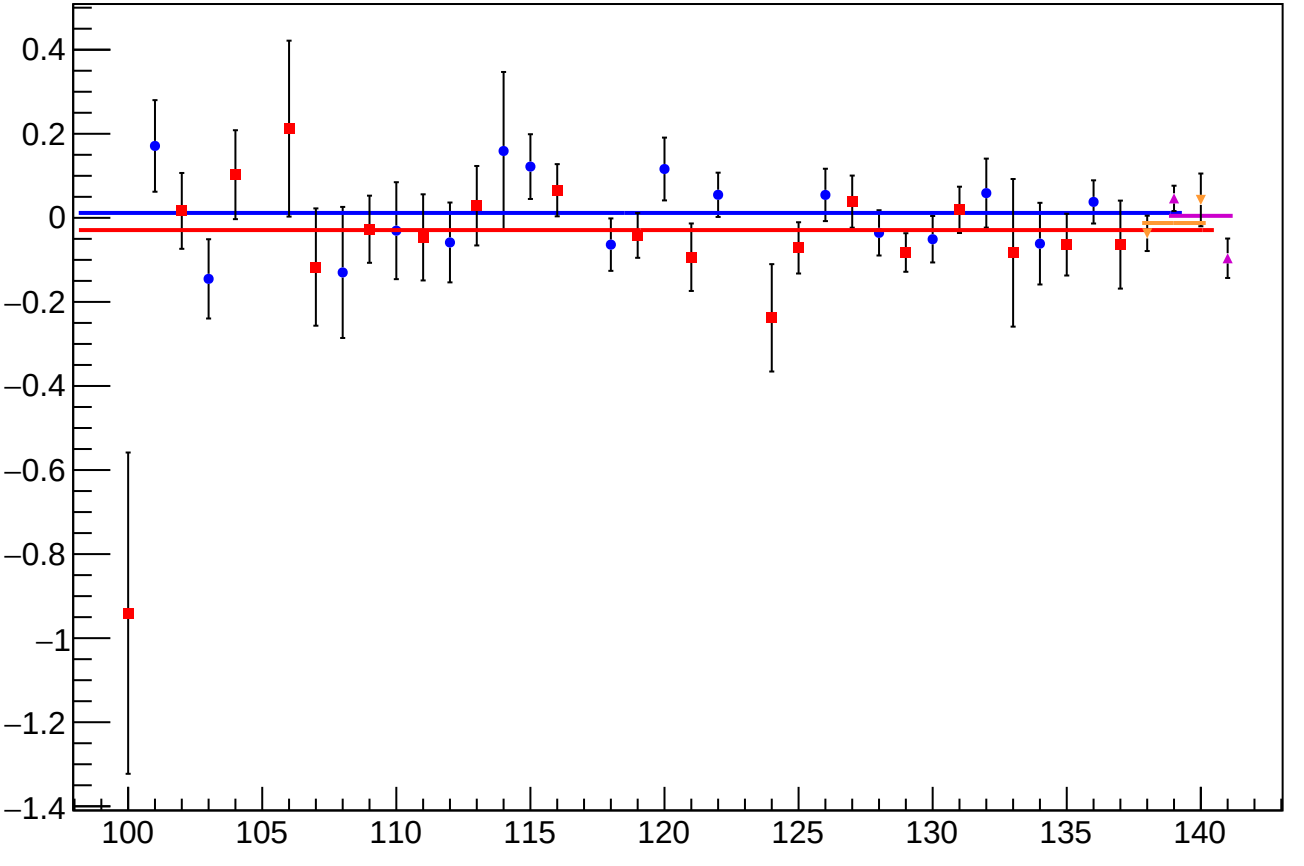
In: 0.009+/-0.015 χ^2/NDF:23.4/17

Out: -0.026+/-0.016 χ^2/NDF:20.8/20

All: -0.007+/-0.011 χ^2/NDF: 46.9/38


asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
30
100
105
110
115
120
125
130
135
140
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 41.218+/-0.025 χ²/NDF:152310.9/1
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 31.649+/-0.018 χ²/NDF:182617.4/1
Left: 34.951+/-0.015 χ²/NDF: 433320.9/3
Right: 44.816+/-0.009 χ²/NDF: 3003114.2/34
In: 40.763+/-0.010 χ²/NDF:1830376.9/17
Out: 43.534+/-0.011 χ²/NDF:1906768.3/20
All: 42.052+/-0.008 χ²/NDF: 3769562.8/38

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.012+/-0.035 χ^2/NDF:1.1/1

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.025 χ^2/NDF:6.5/1

Left: -0.001+/-0.021 χ^2/NDF: 7.8/3

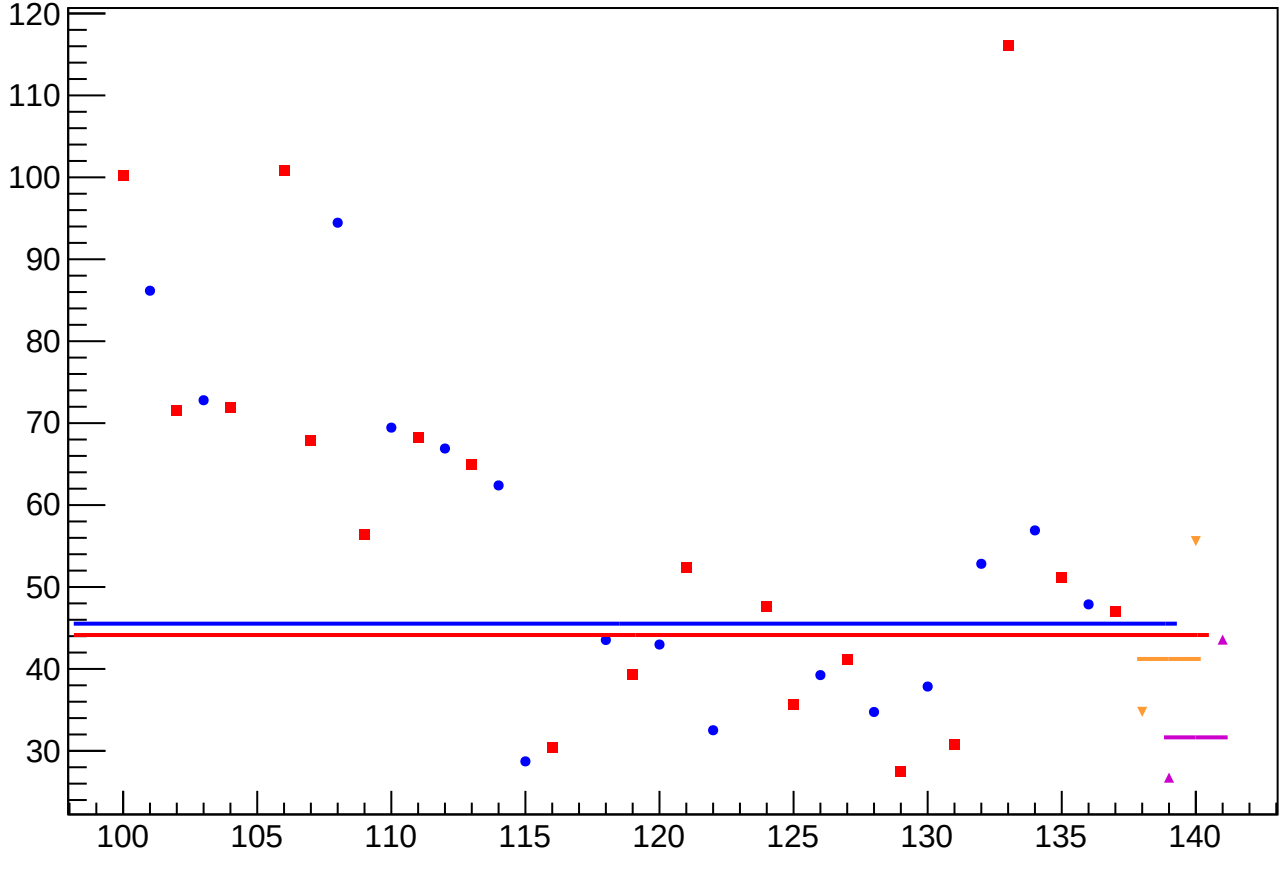
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.009+/-0.015 χ^2/NDF:23.4/17

Out: -0.026+/-0.016 χ^2/NDF:20.8/20

All: -0.007+/-0.011 χ^2/NDF: 46.9/38

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 41.218+/-0.025 χ^2/NDF:152310.9/1

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 31.649+/-0.018 χ^2/NDF:182617.4/1

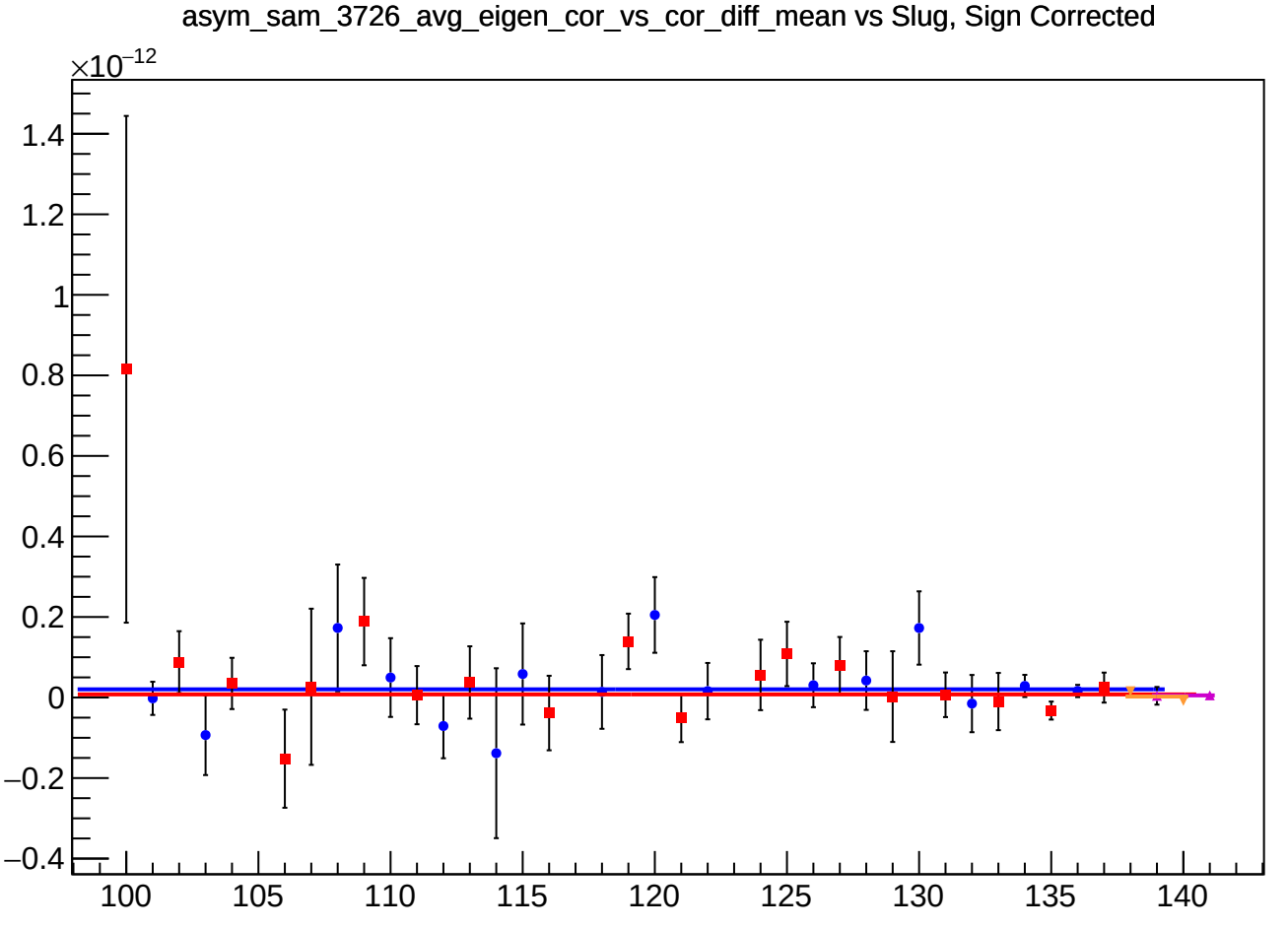
Left: 34.951+/-0.015 χ^2/NDF: 433320.9/3

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.763+/-0.010 χ^2/NDF:1830376.9/17

Out: 43.534+/-0.011 χ^2/NDF:1906768.3/20

All: 42.052+/-0.008 χ^2/NDF: 3769562.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

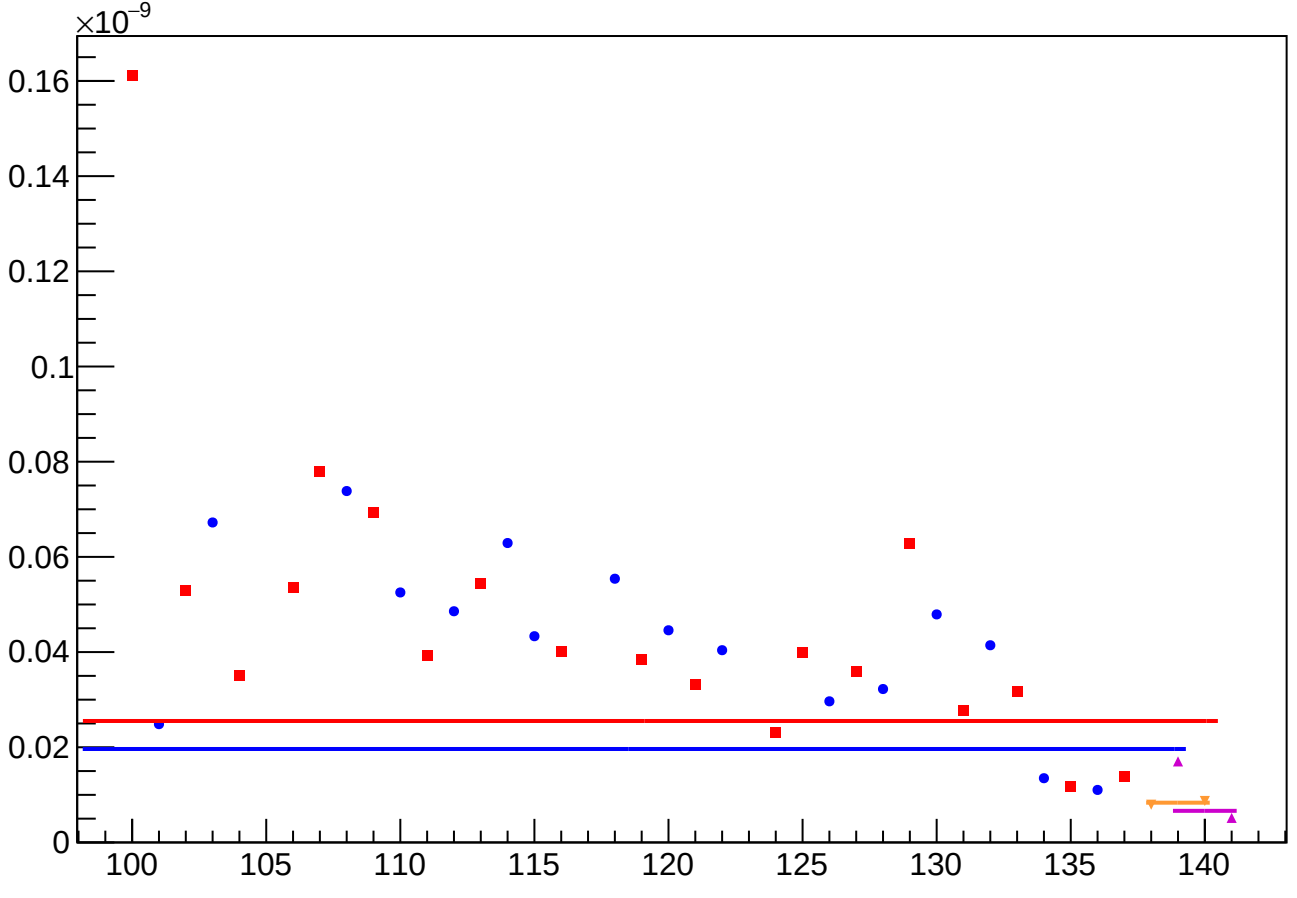
Left: 0.000+/-0.000 χ^2/NDF: 2.2/3

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:13.0/17

Out: 0.000+/-0.000 χ^2/NDF:21.0/20

All: 0.000+/-0.000 χ^2/NDF: 34.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4443.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:510571.5/1

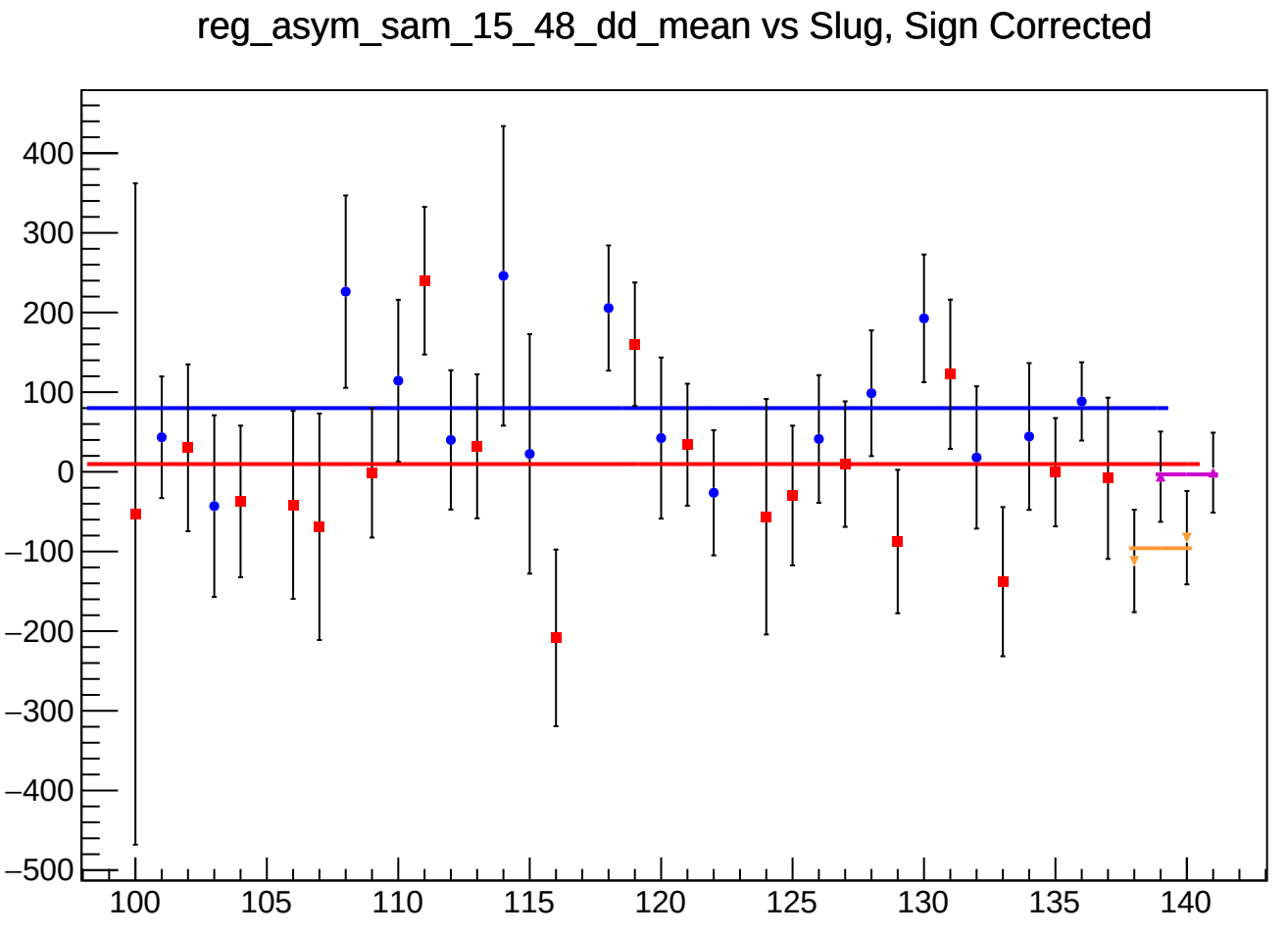
Left: 0.000+/-0.000 χ^2/NDF: 560629.8/3

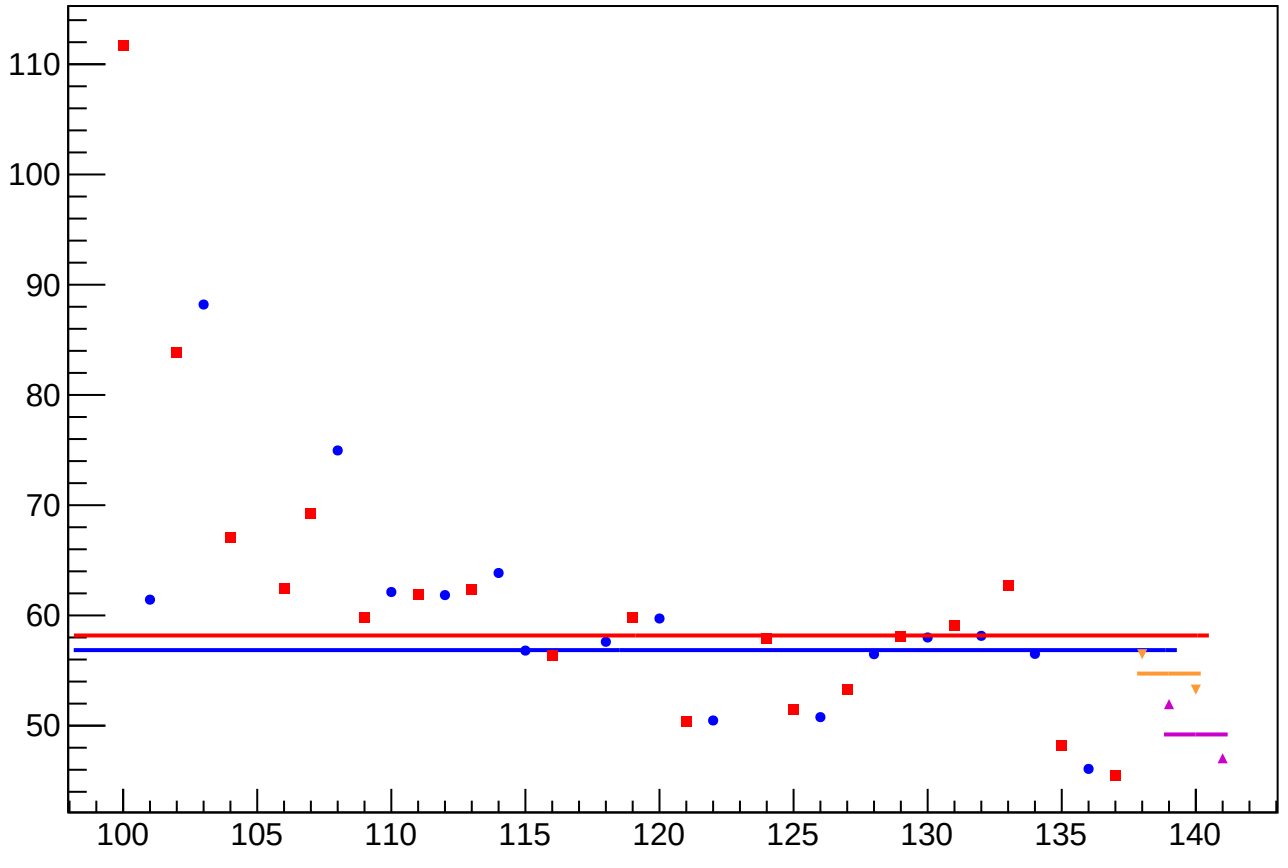
Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:5575088.0/17

Out: 0.000+/-0.000 χ^2/NDF:5008418.3/20

All: 0.000+/-0.000 χ^2/NDF: 10678438.6/38


reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
−400
−500
100
105
110
115
120
125
130
135
140
Right In: 79.993+/-21.474 χ²/NDF: 11.6/15
Left Out: -95.922+/-43.313 χ²/NDF:0.1/1
Right Out: 9.730+/-21.617 χ²/NDF: 20.3/18
Left In: -3.255+/-37.553 χ²/NDF:0.0/1
Left: -43.022+/-28.374 χ²/NDF: 2.7/3
Right: 45.094+/-15.235 χ²/NDF: 37.2/34
In: 59.479+/-18.642 χ²/NDF:15.3/17
Out: -11.340+/-19.342 χ²/NDF:25.2/20
All: 25.375+/-13.422 χ²/NDF: 47.4/38



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 54.726+/-0.031 χ^2/NDF:2729.1/1

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 49.203+/-0.027 χ^2/NDF:8436.6/1

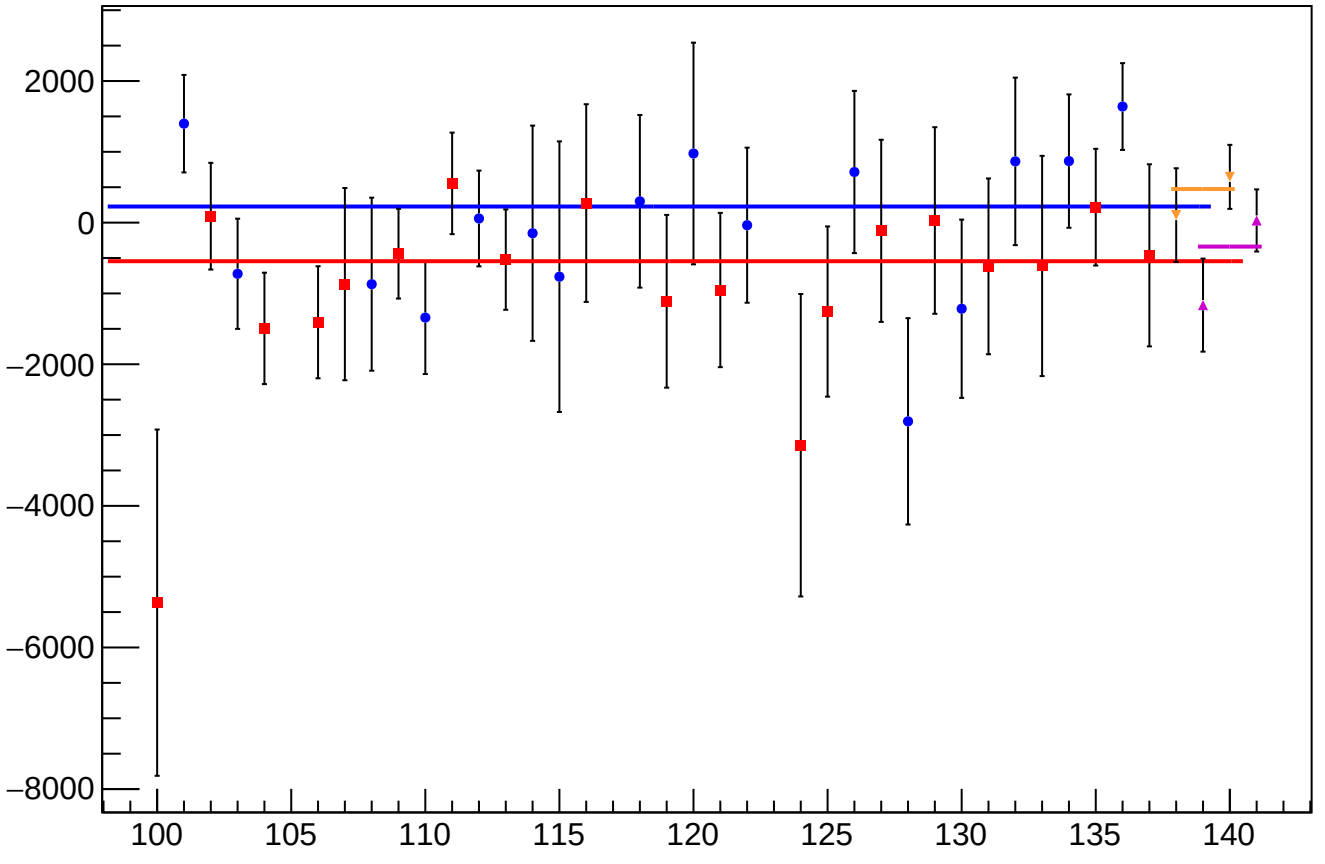
Left: 51.573+/-0.020 χ^2/NDF: 29729.6/3

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 54.969+/-0.013 χ^2/NDF:412604.1/17

Out: 57.492+/-0.014 χ^2/NDF:327581.3/20

All: 56.184+/-0.009 χ^2/NDF: 757834.7/38



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 474.573+/-373.181 χ^2/NDF:0.5/1

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -338.471+/-364.991 χ^2/NDF:2.3/1

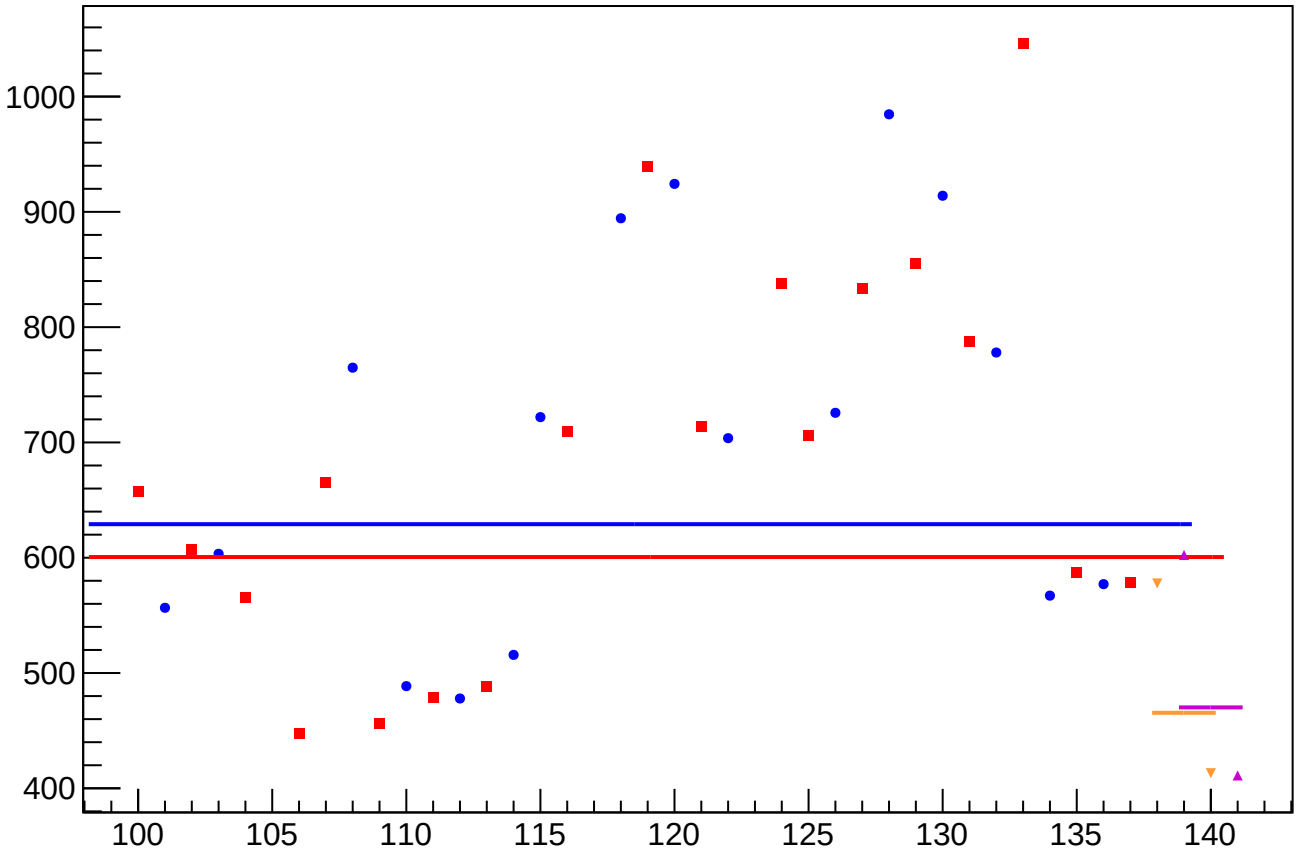
Left: 59.032+/-260.935 χ^2/NDF: 5.2/3

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: 55.446+/-201.245 χ^2/NDF:25.6/17

Out: -269.038+/-194.090 χ^2/NDF:19.3/20

All: -112.666+/-139.703 χ^2/NDF: 46.2/38



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 465.500+/-0.264 χ^2/NDF:84448.7/1

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 470.178+/-0.258 χ^2/NDF:117128.4/1

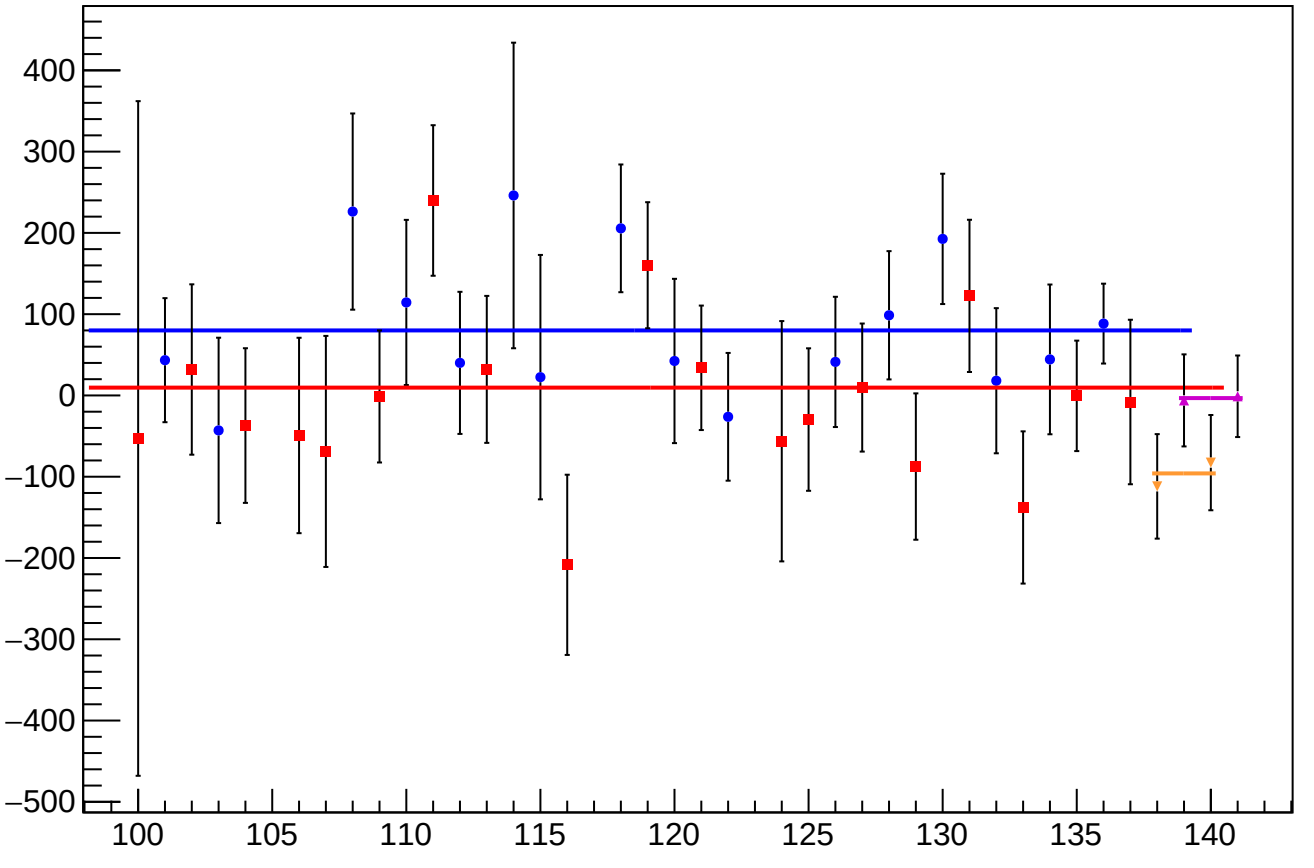
Left: 467.891+/-0.185 χ^2/NDF: 201737.7/3

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 580.784+/-0.142 χ^2/NDF:1073737.8/17

Out: 564.050+/-0.137 χ^2/NDF:1150261.7/20

All: 572.114+/-0.099 χ^2/NDF: 2231163.3/38



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -95.932+/-43.313 χ^2/NDF:0.1/1

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -3.256+/-37.553 χ^2/NDF:0.0/1

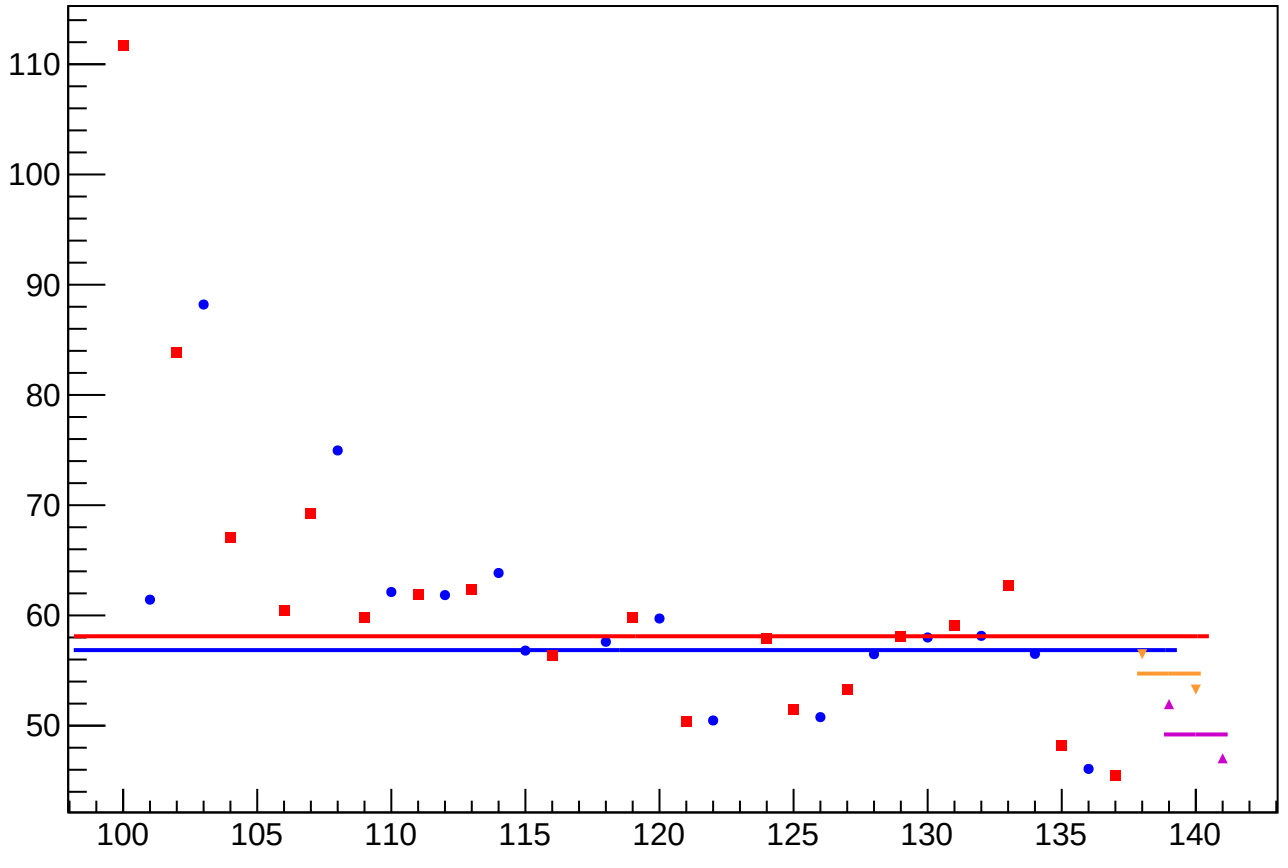
Left: -43.026+/-28.374 χ^2/NDF: 2.7/3

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 59.482+/-18.642 χ^2/NDF:15.3/17

Out: -11.451+/-19.352 χ^2/NDF:25.3/20

All: 25.341+/-13.426 χ^2/NDF: 47.5/38



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 54.726+/-0.031 χ^2/NDF:2729.1/1

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 49.203+/-0.027 χ^2/NDF:8436.6/1

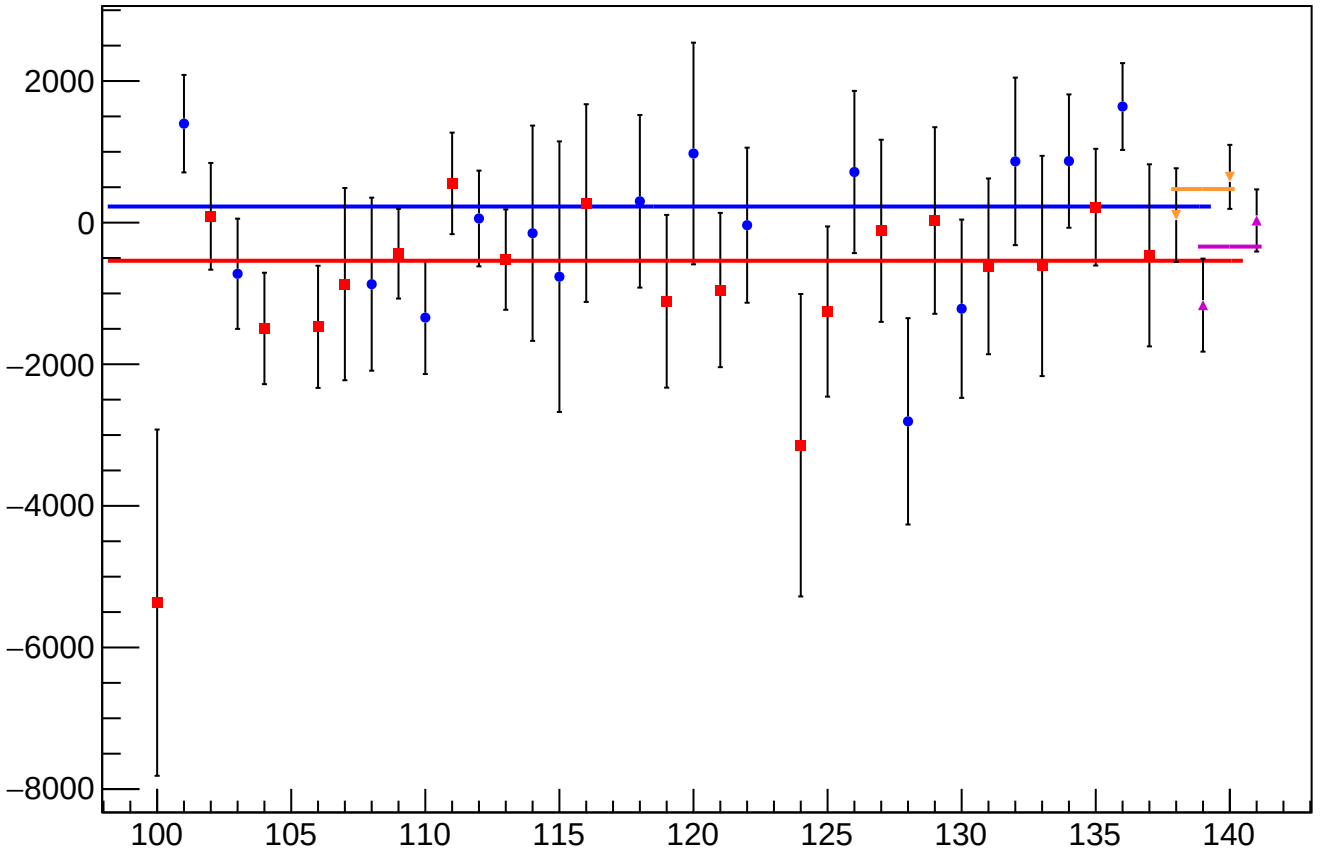
Left: 51.573+/-0.020 χ^2/NDF: 29729.6/3

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 54.969+/-0.013 χ^2/NDF:412607.9/17

Out: 57.435+/-0.014 χ^2/NDF:325443.9/20

All: 56.156+/-0.009 χ^2/NDF: 754899.9/38



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 474.565+/-373.180 χ^2/NDF:0.5/1

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -338.480+/-364.992 χ^2/NDF:2.3/1

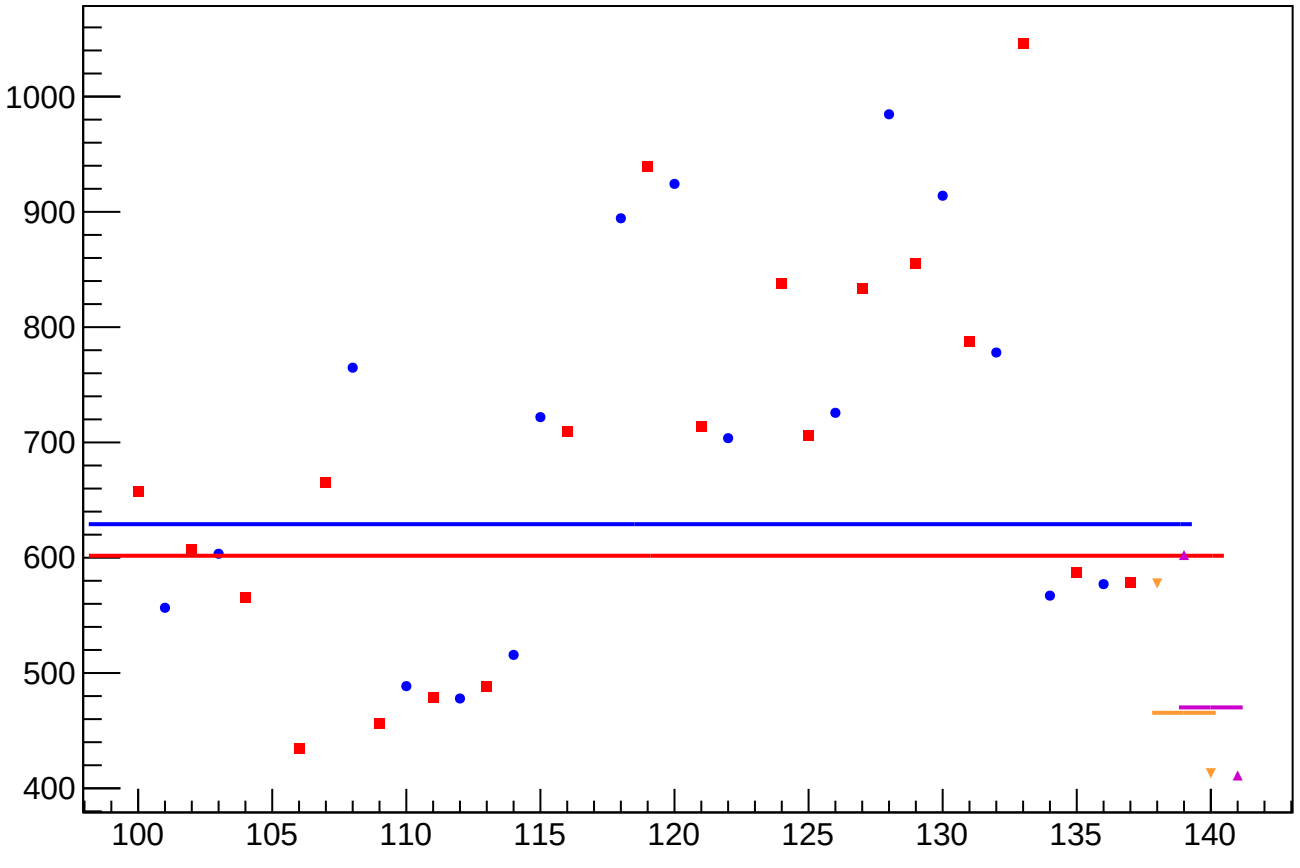
Left: 59.024+/-260.935 χ^2/NDF: 5.2/3

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 55.469+/-201.246 χ^2/NDF:25.6/17

Out: -261.529+/-195.029 χ^2/NDF:19.1/20

All: -108.002+/-140.053 χ^2/NDF: 46.0/38



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 465.499+/-0.264 χ^2/NDF:84448.3/1

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 470.178+/-0.258 χ^2/NDF:117127.1/1

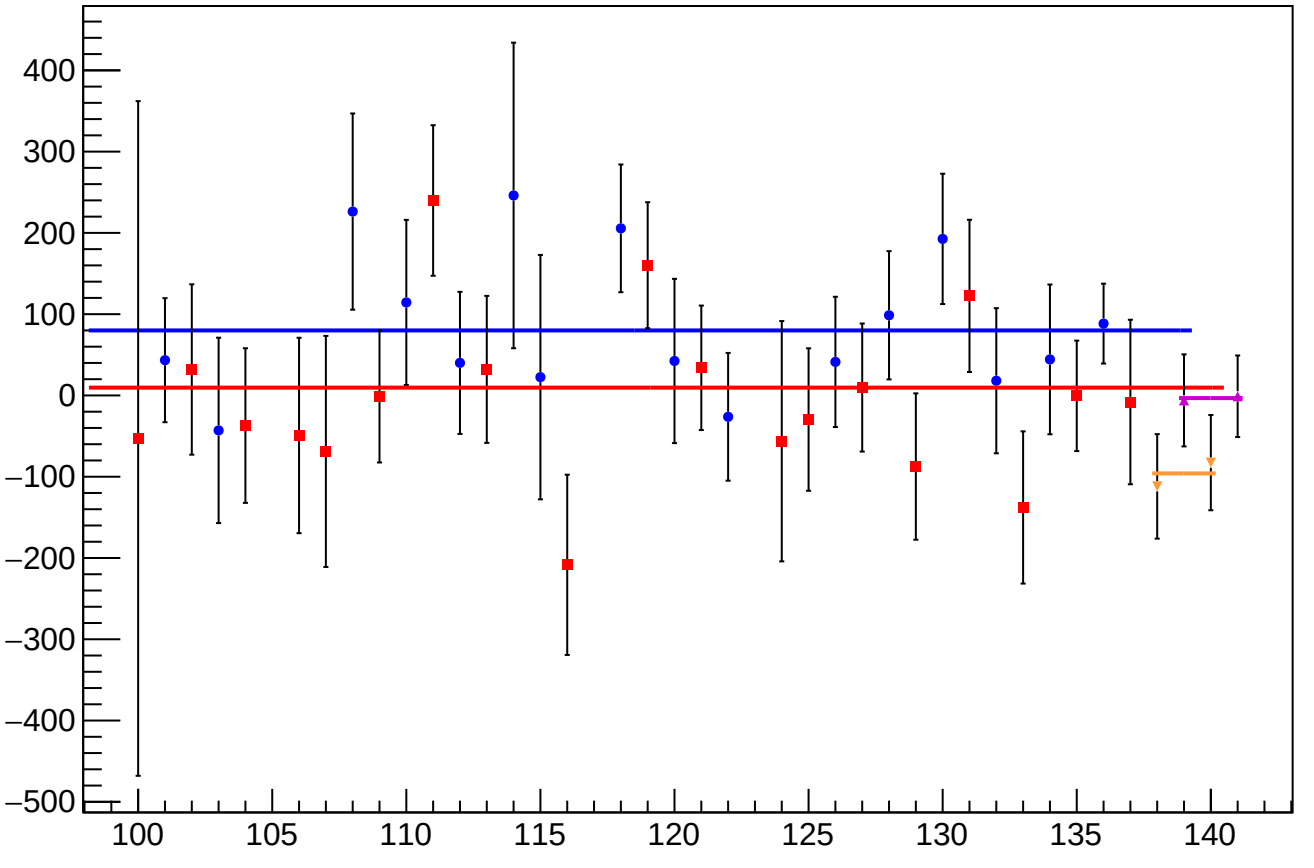
Left: 467.891+/-0.185 χ^2/NDF: 201736.2/3

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 580.787+/-0.142 χ^2/NDF:1073740.9/17

Out: 564.515+/-0.138 χ^2/NDF:1152195.9/20

All: 572.396+/-0.099 χ^2/NDF: 2232679.1/38



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -95.932+/-43.313 χ^2/NDF:0.1/1

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -3.256+/-37.553 χ^2/NDF:0.0/1

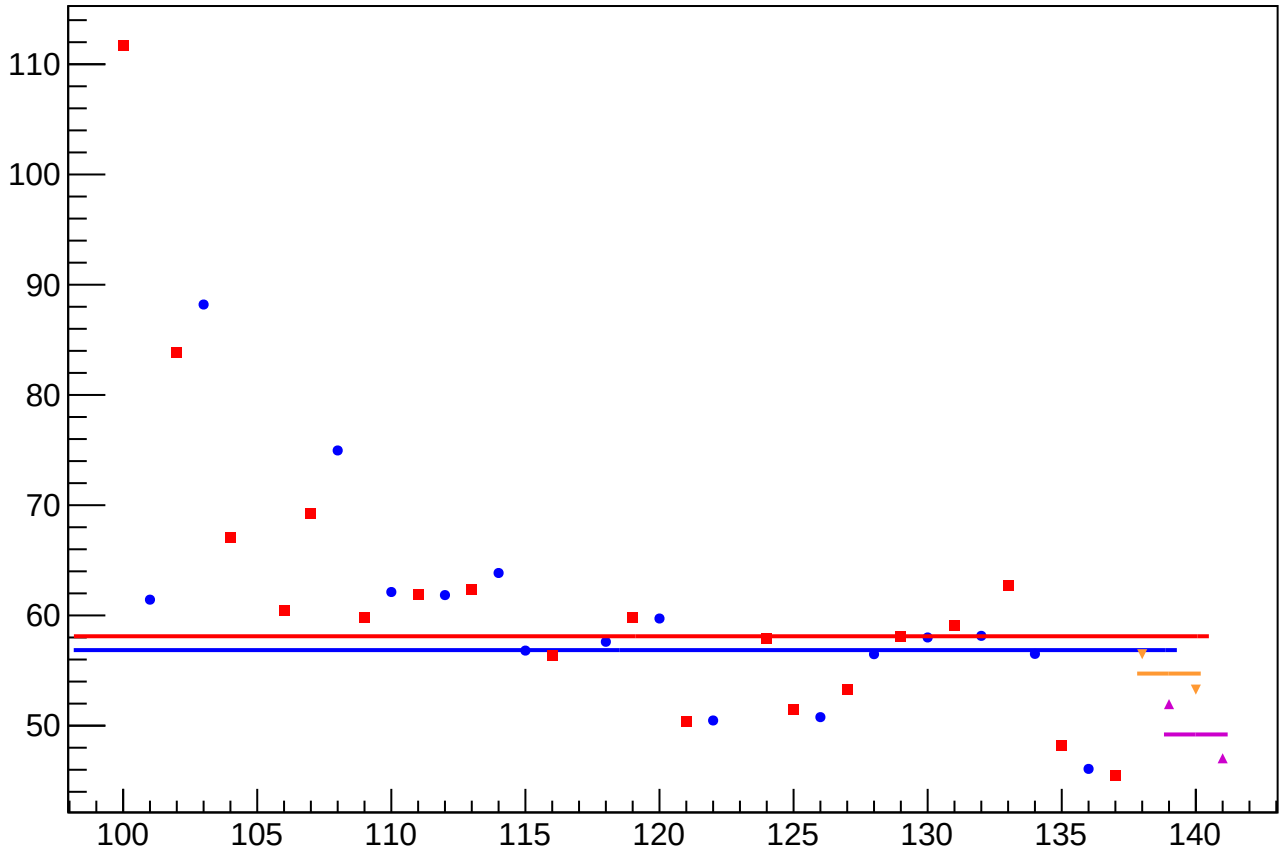
Left: -43.026+/-28.374 χ^2/NDF: 2.7/3

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 59.482+/-18.642 χ^2/NDF:15.3/17

Out: -11.451+/-19.352 χ^2/NDF:25.3/20

All: 25.341+/-13.426 χ^2/NDF: 47.5/38



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 54.726+/-0.031 χ^2/NDF:2729.1/1

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 49.203+/-0.027 χ^2/NDF:8436.6/1

Left: 51.573+/-0.020 χ^2/NDF: 29729.6/3

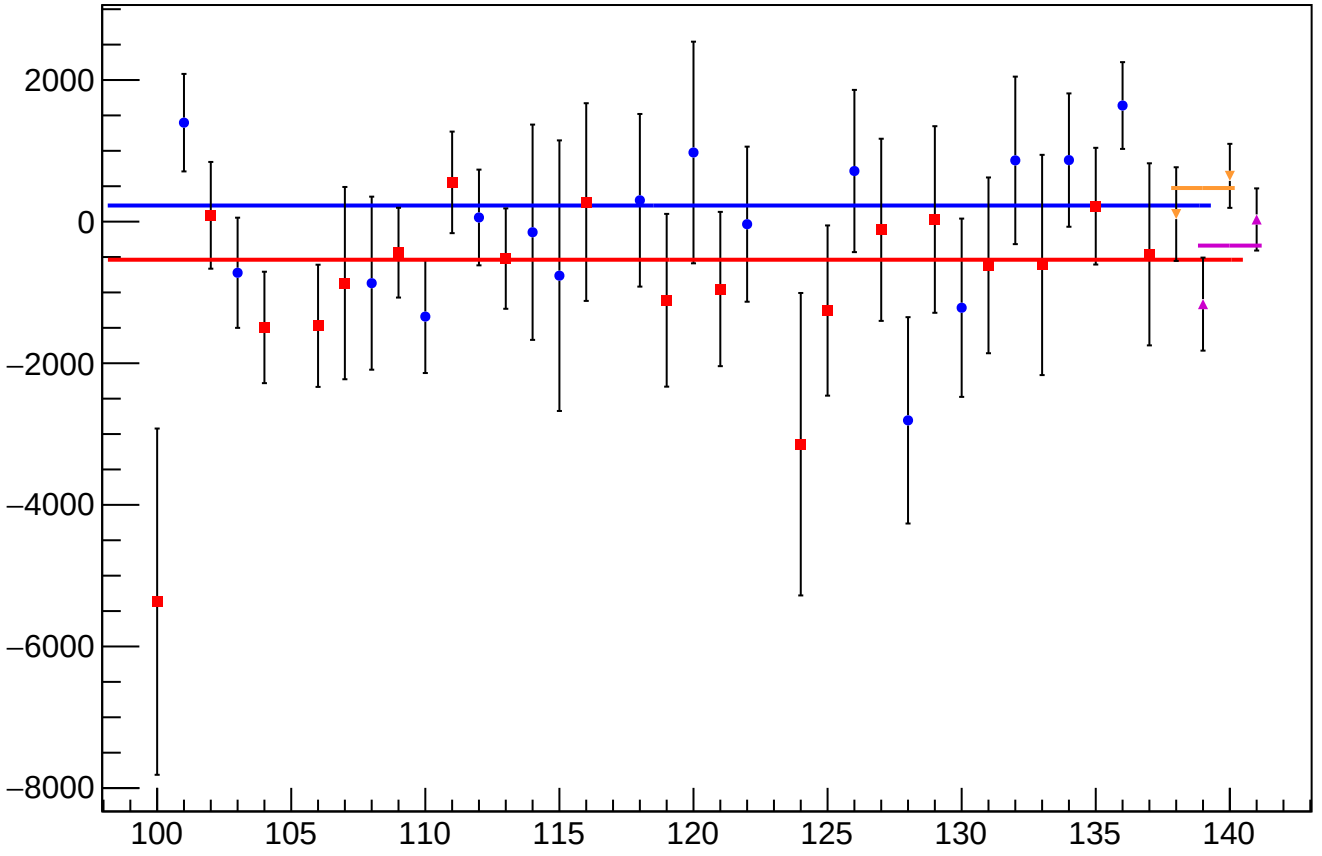
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 54.969+/-0.013 χ^2/NDF:412607.9/17

Out: 57.435+/-0.014 χ^2/NDF:325443.9/20

All: 56.156+/-0.009 χ^2/NDF: 754899.9/38

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 474.565+/-373.180 χ^2/NDF:0.5/1

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -338.480+/-364.992 χ^2/NDF:2.3/1

Left: 59.024+/-260.935 χ^2/NDF: 5.2/3

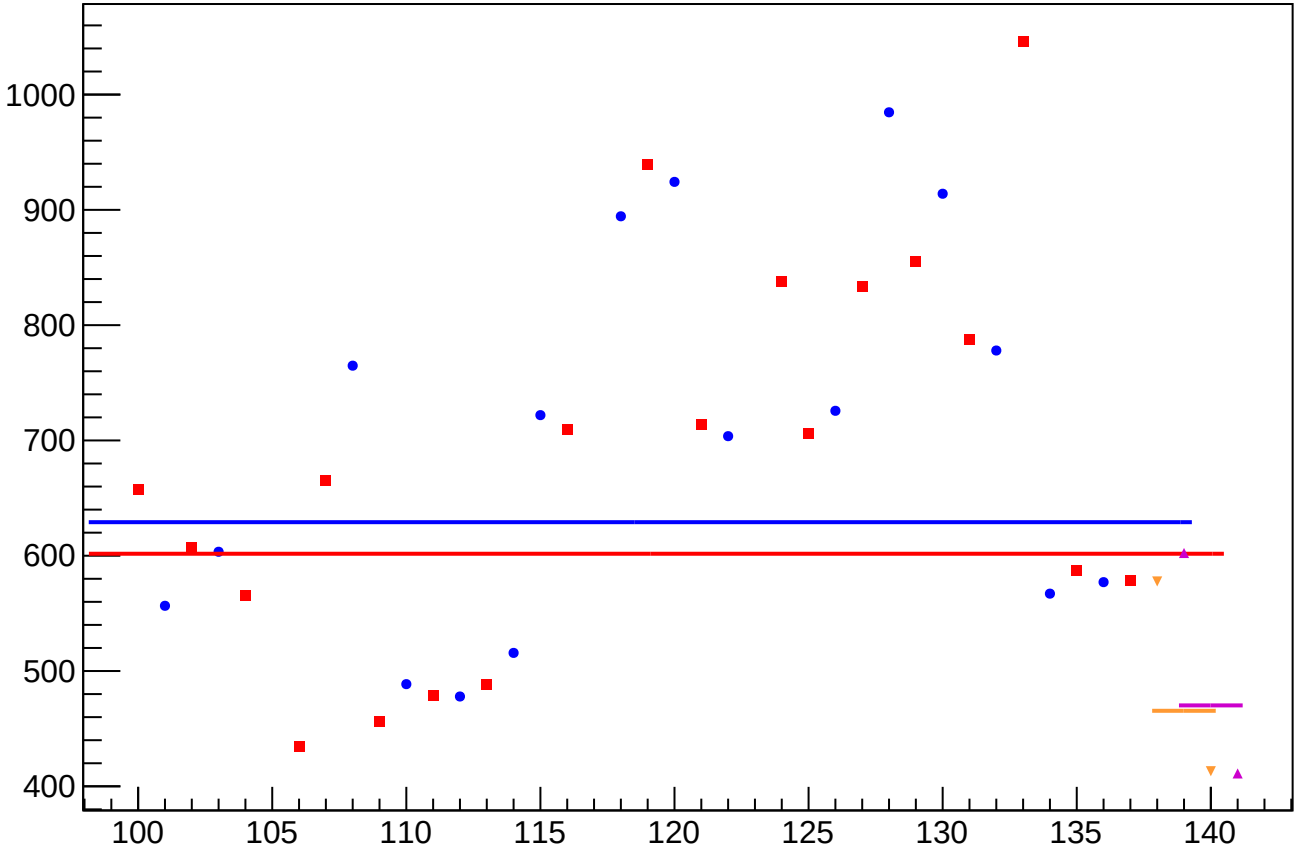
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 55.469+/-201.246 χ^2/NDF:25.6/17

Out: -261.529+/-195.029 χ^2/NDF:19.1/20

All: -108.002+/-140.053 χ^2/NDF: 46.0/38

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 465.499+/-0.264 χ^2/NDF:84448.3/1

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 470.178+/-0.258 χ^2/NDF:117127.1/1

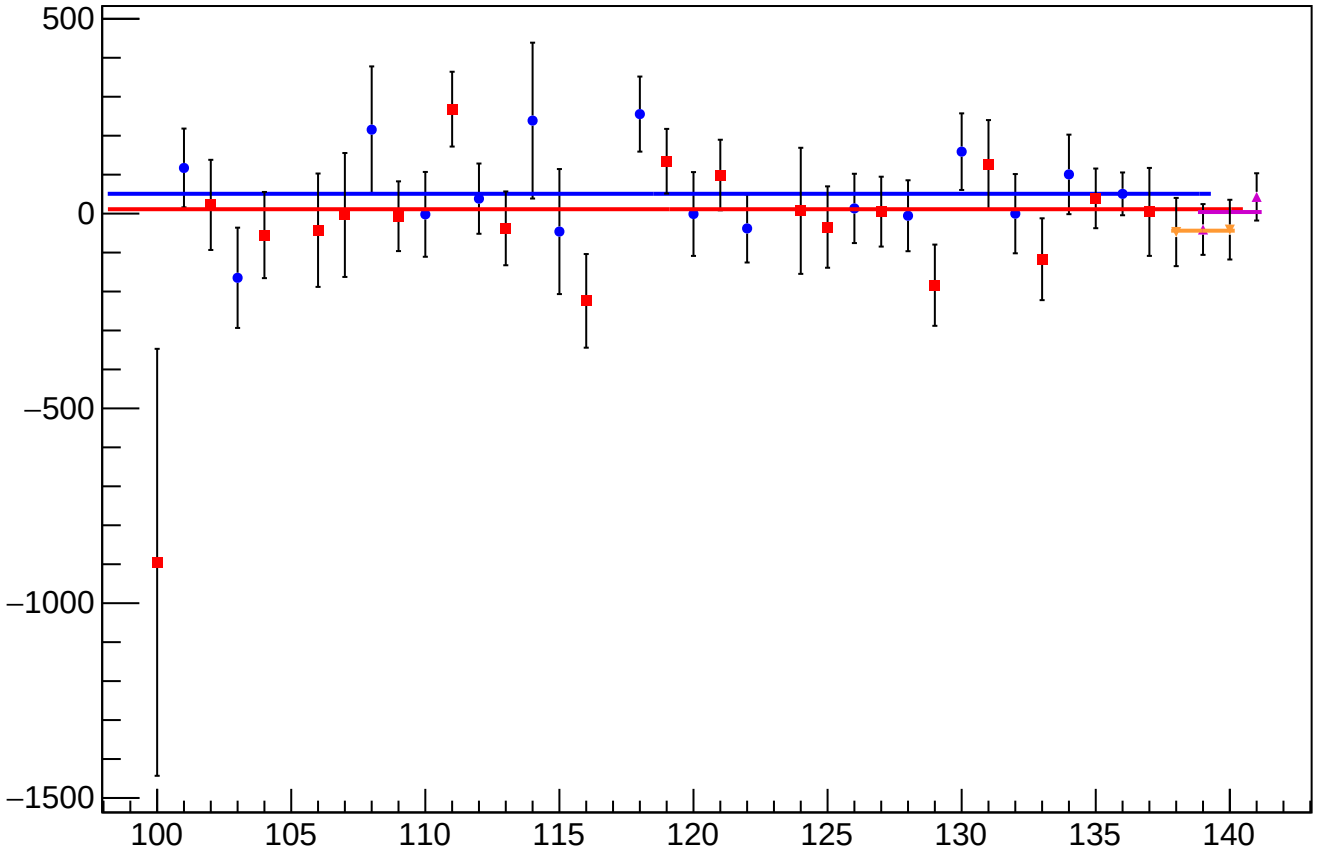
Left: 467.891+/-0.185 χ^2/NDF: 201736.2/3

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 580.787+/-0.142 χ^2/NDF:1073740.9/17

Out: 564.515+/-0.138 χ^2/NDF:1152195.9/20

All: 572.396+/-0.099 χ^2/NDF: 2232679.1/38



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -43.826+/-57.676 χ^2/NDF:0.0/1

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 4.043+/-44.410 χ^2/NDF:0.9/1

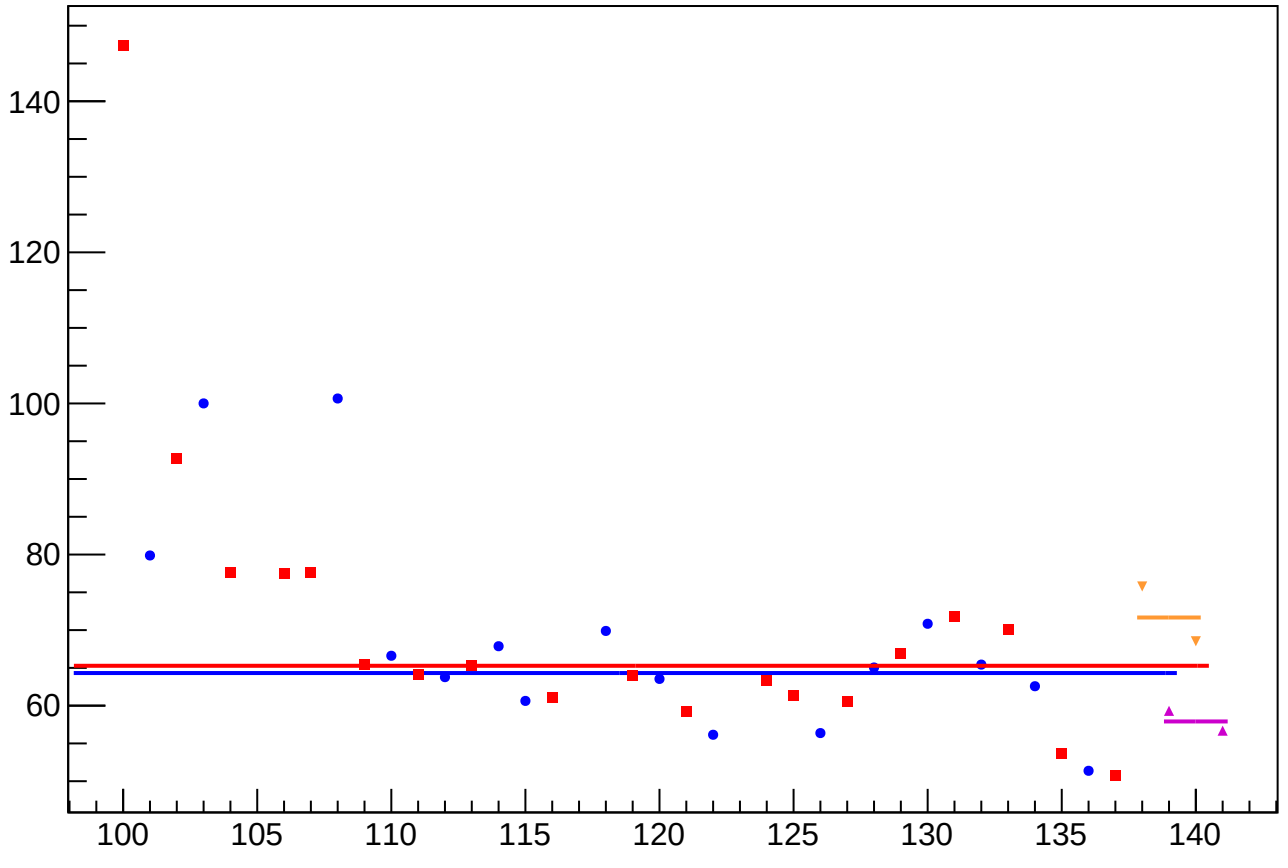
Left: -13.774+/-35.188 χ^2/NDF: 1.3/3

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 39.942+/-21.447 χ^2/NDF:15.5/17

Out: 2.942+/-22.413 χ^2/NDF:24.8/20

All: 22.257+/-15.495 χ^2/NDF: 41.8/38



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 71.668+/-0.041 χ^2/NDF:7775.3/1

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 57.909+/-0.031 χ^2/NDF:1738.1/1

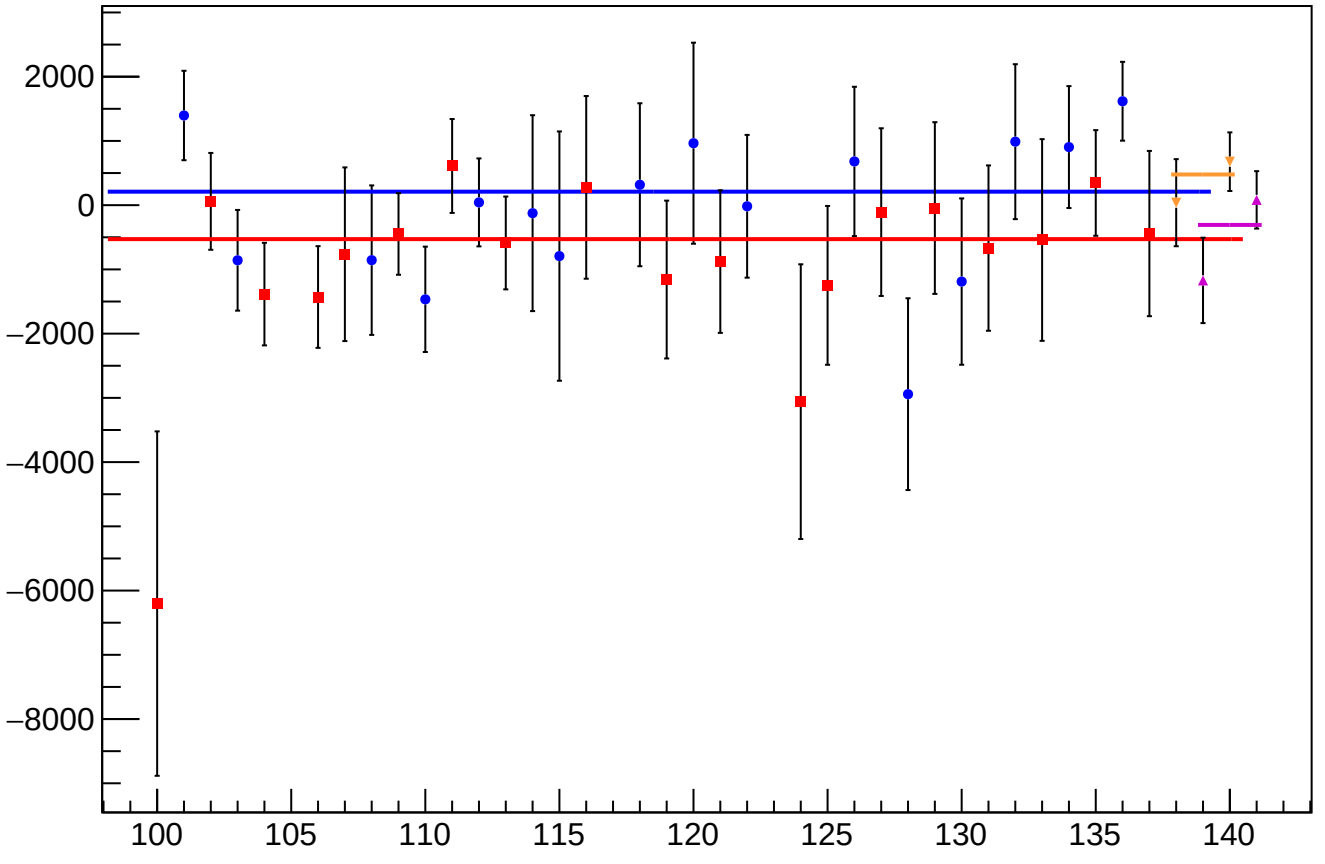
Left: 63.030+/-0.025 χ^2/NDF: 80964.2/3

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 62.822+/-0.015 χ^2/NDF:498618.2/17

Out: 66.242+/-0.016 χ^2/NDF:347755.6/20

All: 64.457+/-0.011 χ^2/NDF: 870682.7/38



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 477.704+/-378.538 χ^2/NDF:0.6/1

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -307.543+/-370.859 χ^2/NDF:2.4/1

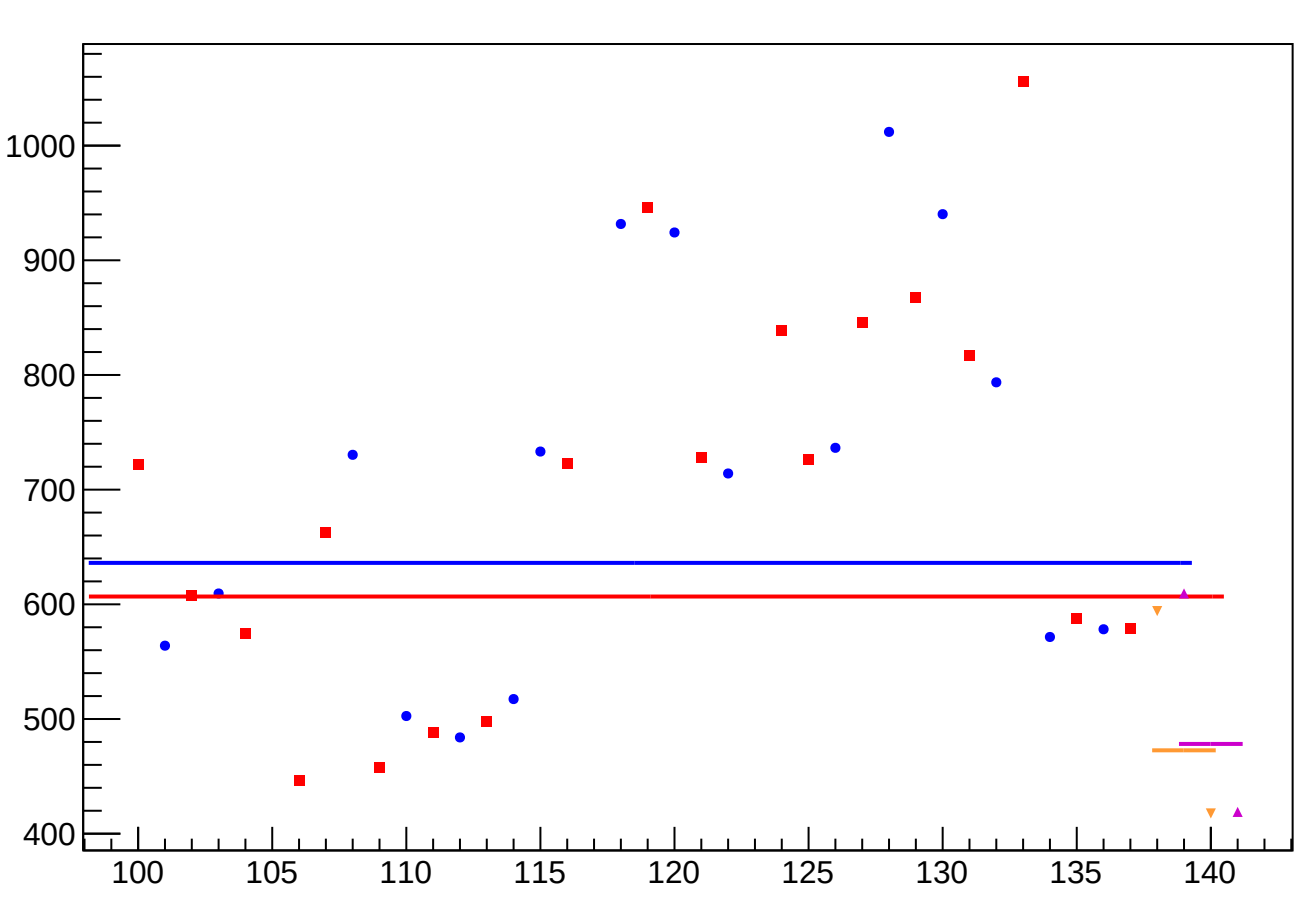
Left: 77.034+/-264.910 χ^2/NDF: 5.3/3

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 53.842+/-203.720 χ^2/NDF:26.2/17

Out: -257.874+/-196.361 χ^2/NDF:19.6/20

All: -107.748+/-141.378 χ^2/NDF: 47.1/38



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 472.692+/-0.268 χ^2/NDF:93260.0/1

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 478.260+/-0.262 χ^2/NDF:113088.7/1

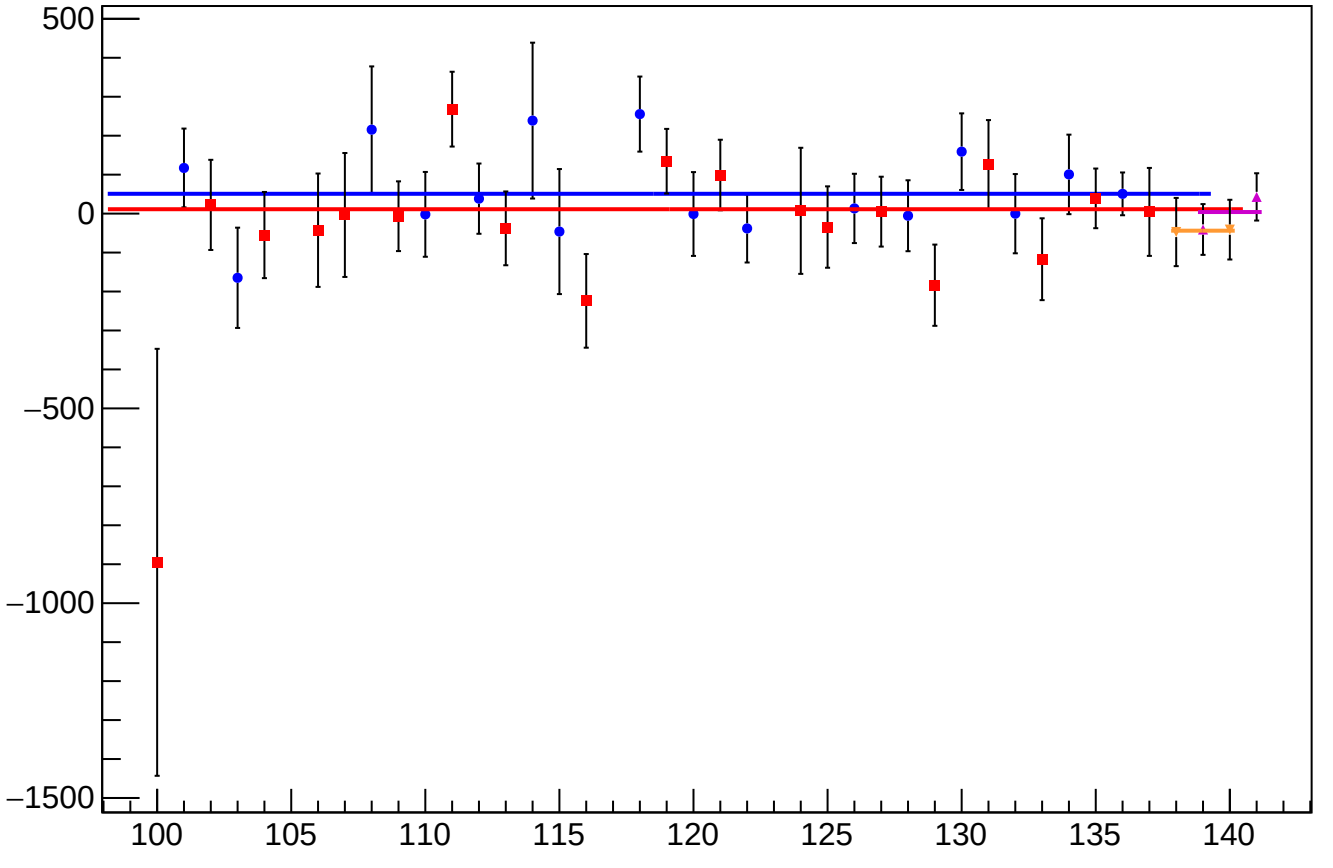
Left: 475.533+/-0.187 χ^2/NDF: 206569.5/3

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 588.502+/-0.144 χ^2/NDF:1071431.1/17

Out: 570.716+/-0.139 χ^2/NDF:1170626.5/20

All: 579.282+/-0.100 χ^2/NDF: 2249960.8/38



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -43.828+/-57.676 χ^2/NDF:0.0/1

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 4.044+/-44.410 χ^2/NDF:0.9/1

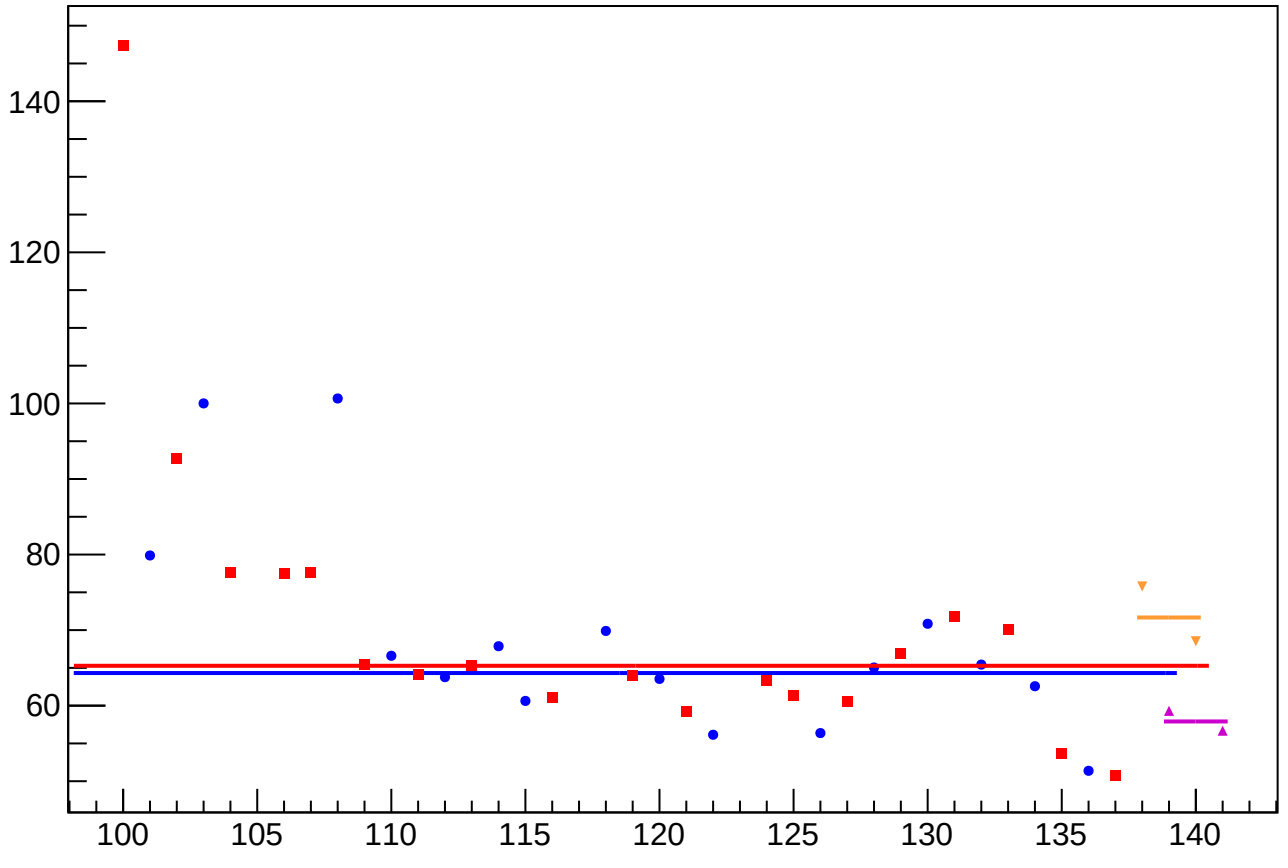
Left: -13.774+/-35.188 χ^2/NDF: 1.3/3

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 39.941+/-21.447 χ^2/NDF:15.5/17

Out: 2.942+/-22.413 χ^2/NDF:24.8/20

All: 22.256+/-15.495 χ^2/NDF: 41.8/38



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 71.667+/-0.041 χ^2/NDF:7774.0/1

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 57.909+/-0.031 χ^2/NDF:1737.6/1

Left: 63.030+/-0.025 χ^2/NDF: 80963.0/3

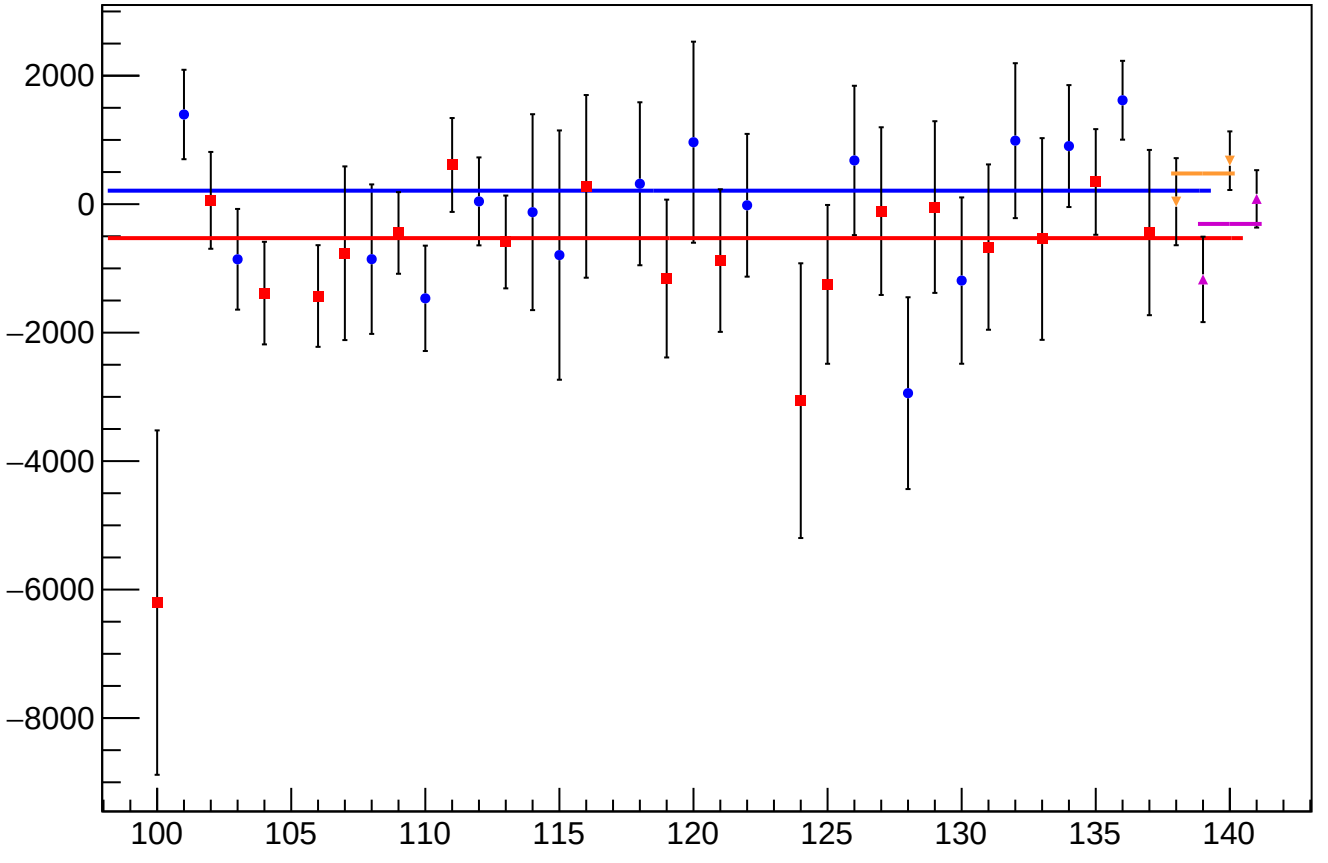
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 62.822+/-0.015 χ^2/NDF:498617.5/17

Out: 66.242+/-0.016 χ^2/NDF:347757.5/20

All: 64.457+/-0.011 χ^2/NDF: 870683.6/38

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 477.703+/-378.537 χ^2/NDF:0.6/1

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -307.543+/-370.857 χ^2/NDF:2.4/1

Left: 77.034+/-264.909 χ^2/NDF: 5.3/3

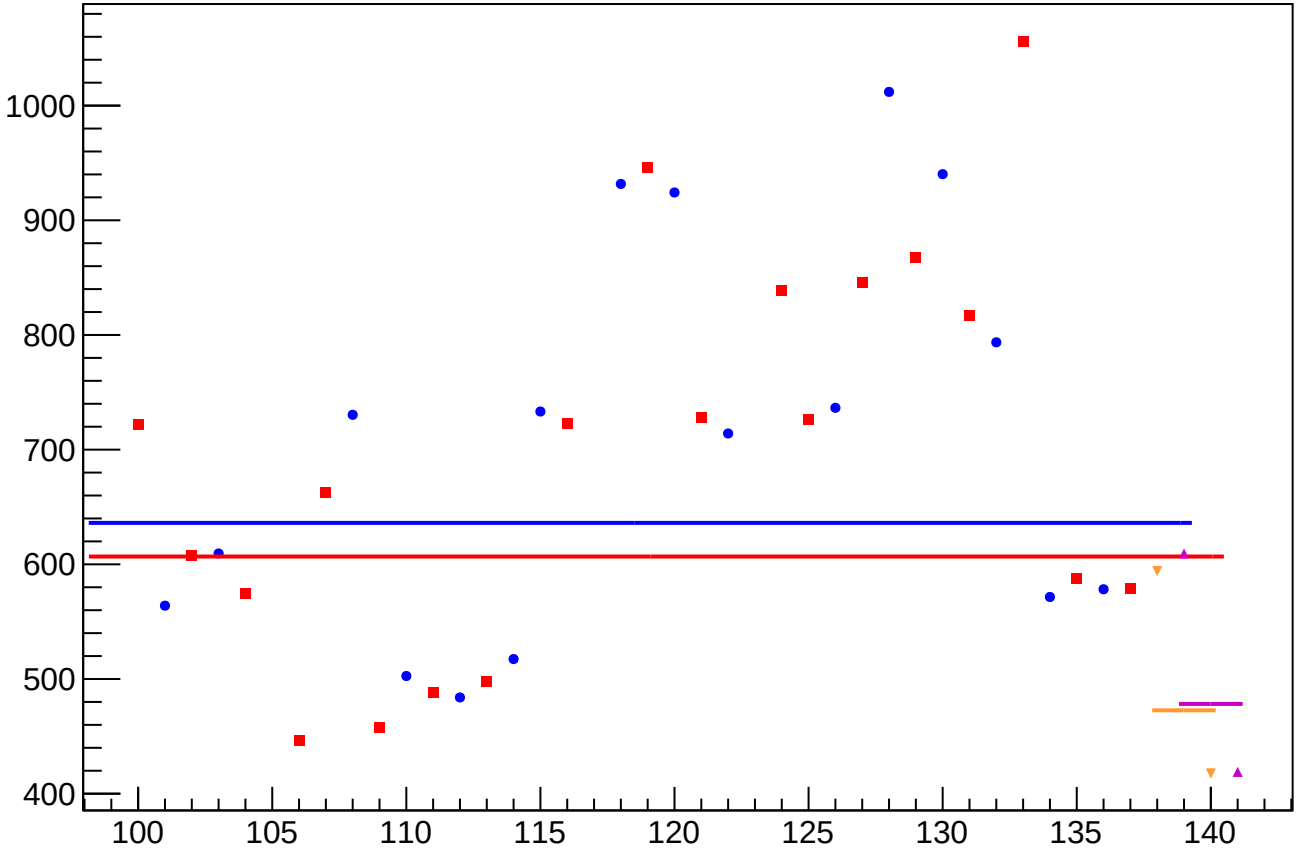
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 53.841+/-203.720 χ^2/NDF:26.2/17

Out: -257.872+/-196.360 χ^2/NDF:19.6/20

All: -107.748+/-141.378 χ^2/NDF: 47.1/38

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 472.690+/-0.268 χ^2/NDF:93259.5/1

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 478.258+/-0.262 χ^2/NDF:113089.7/1

Left: 475.531+/-0.187 χ^2/NDF: 206570.1/3

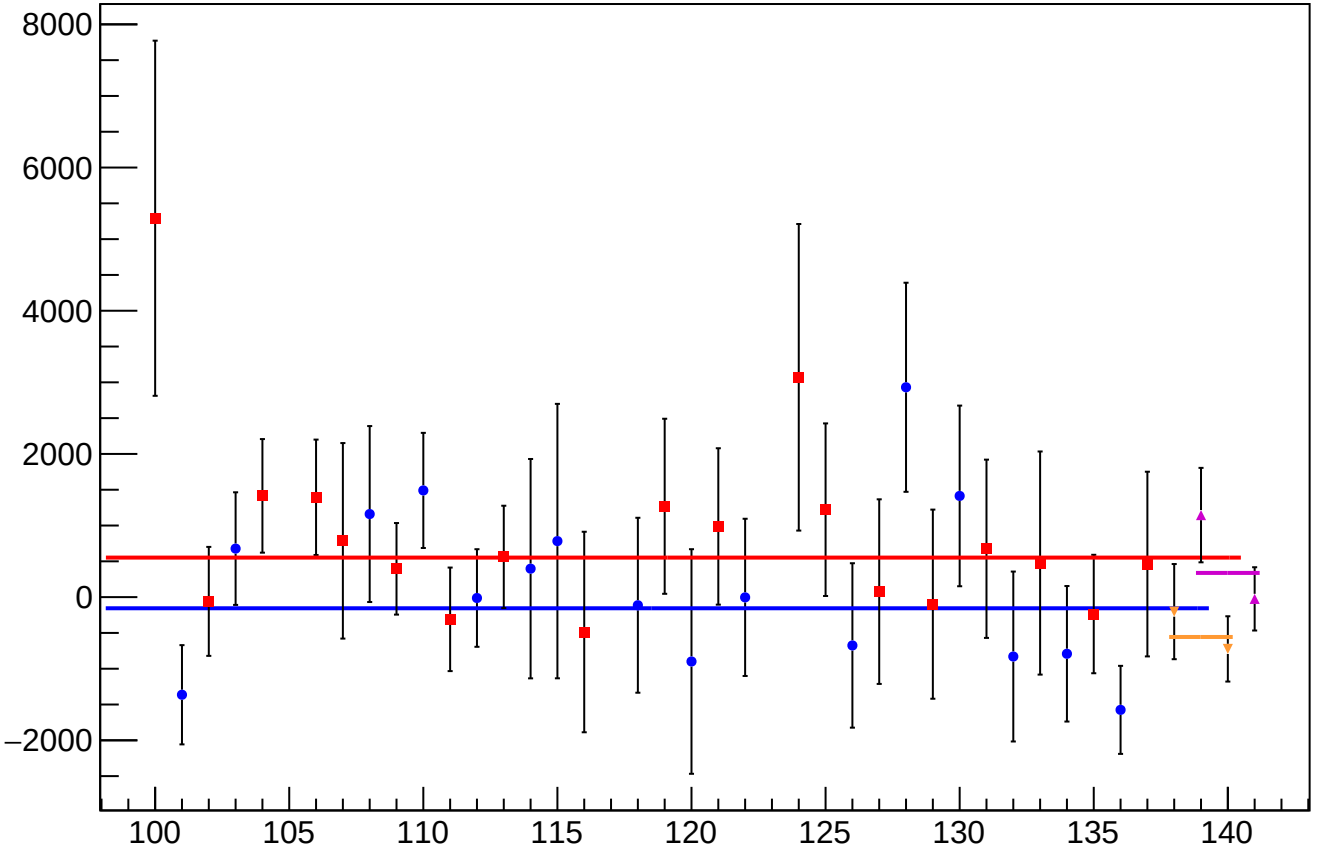
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 588.501+/-0.144 χ^2/NDF:1071440.0/17

Out: 570.714+/-0.139 χ^2/NDF:1170632.8/20

All: 579.281+/-0.100 χ^2/NDF: 2249976.0/38

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -556.635+/-376.030 χ^2/NDF:0.4/1

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 338.083+/-367.114 χ^2/NDF:2.2/1

Left: -98.543+/-262.685 χ^2/NDF: 5.5/3

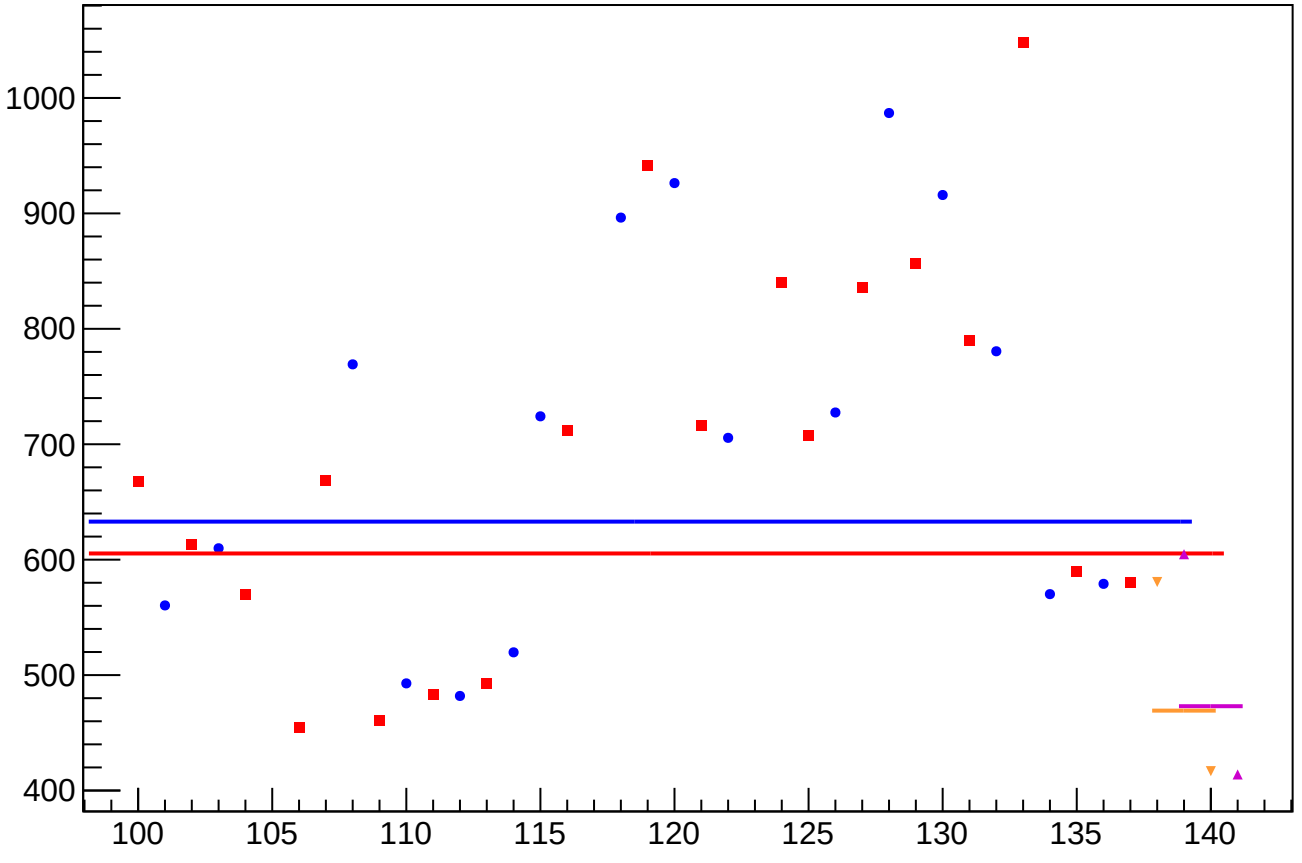
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: -5.580+/-202.396 χ^2/NDF:25.9/17

Out: 252.411+/-195.517 χ^2/NDF:18.9/20

All: 127.874+/-140.621 χ^2/NDF: 45.6/38

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 469.223+/-0.266 χ^2/NDF:82675.2/1

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 473.050+/-0.260 χ^2/NDF:115514.1/1

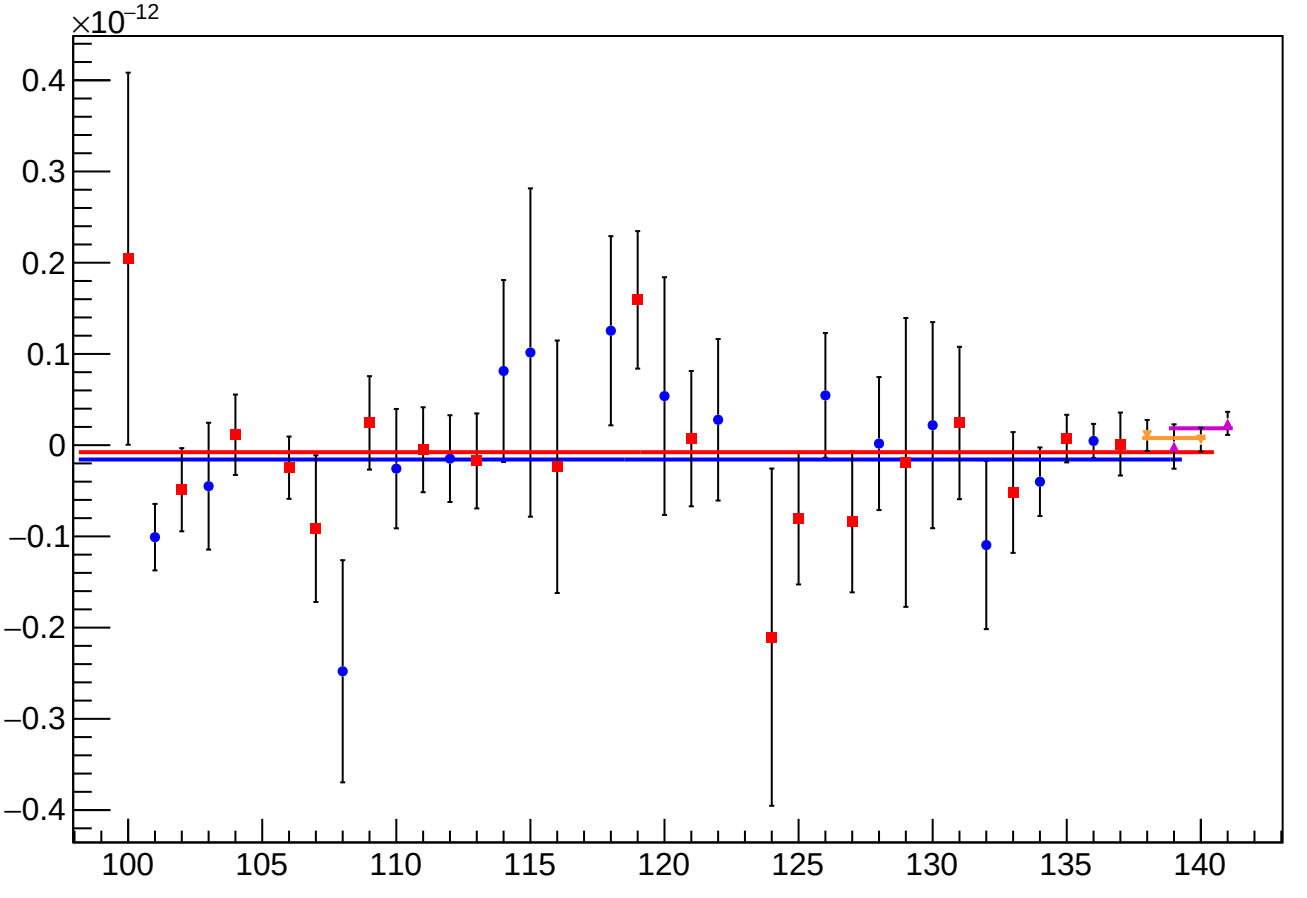
Left: 471.183+/-0.186 χ^2/NDF: 198295.4/3

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 584.360+/-0.143 χ^2/NDF:1060803.0/17

Out: 568.565+/-0.138 χ^2/NDF:1127978.0/20

All: 576.190+/-0.099 χ^2/NDF: 2195081.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

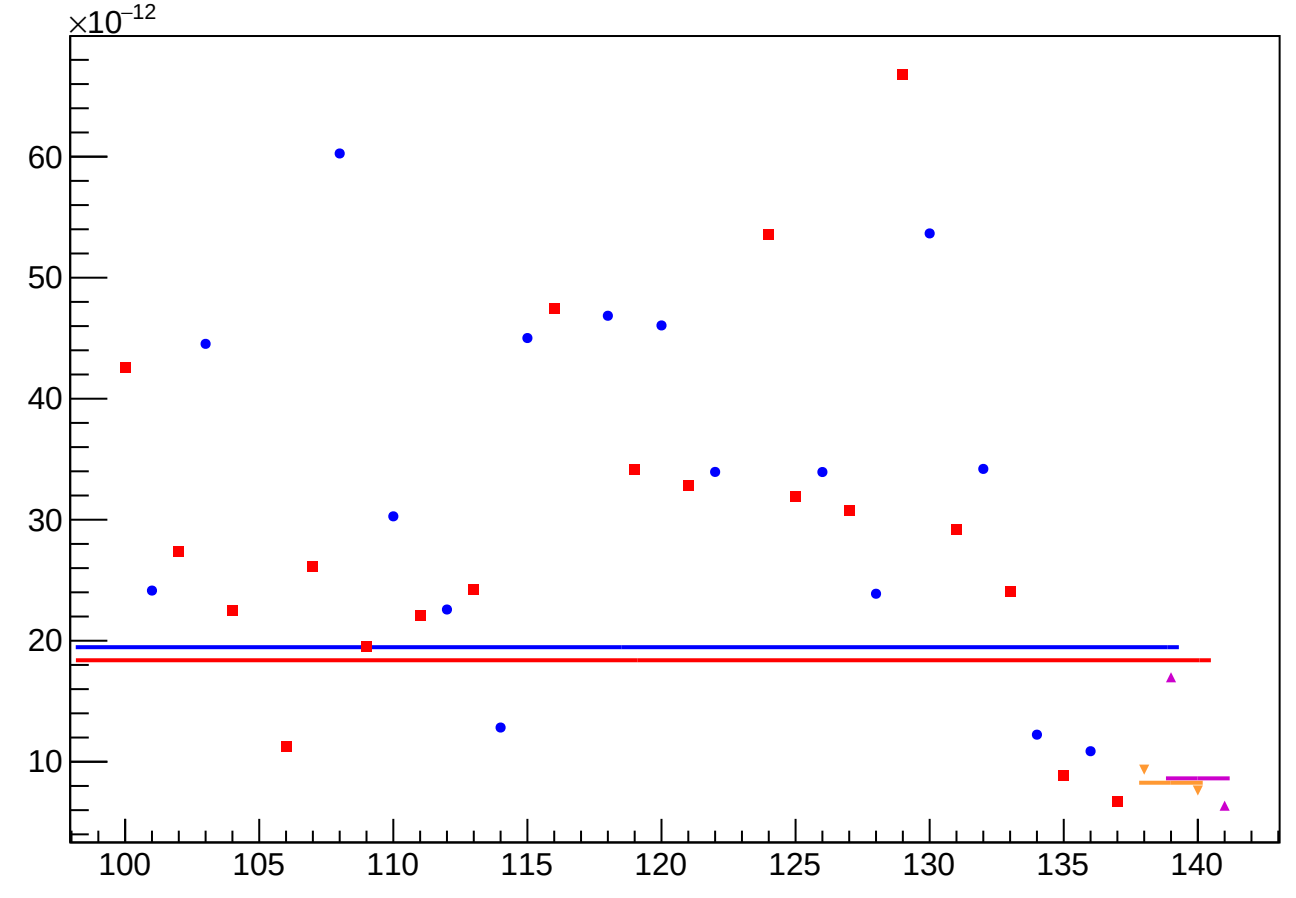
Left: 0.000+/-0.000 χ^2/NDF: 1.4/3

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:21.9/17

Out: 0.000+/-0.000 χ^2/NDF:14.0/20

All: 0.000+/-0.000 χ^2/NDF: 35.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12925.4/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:299386.1/1

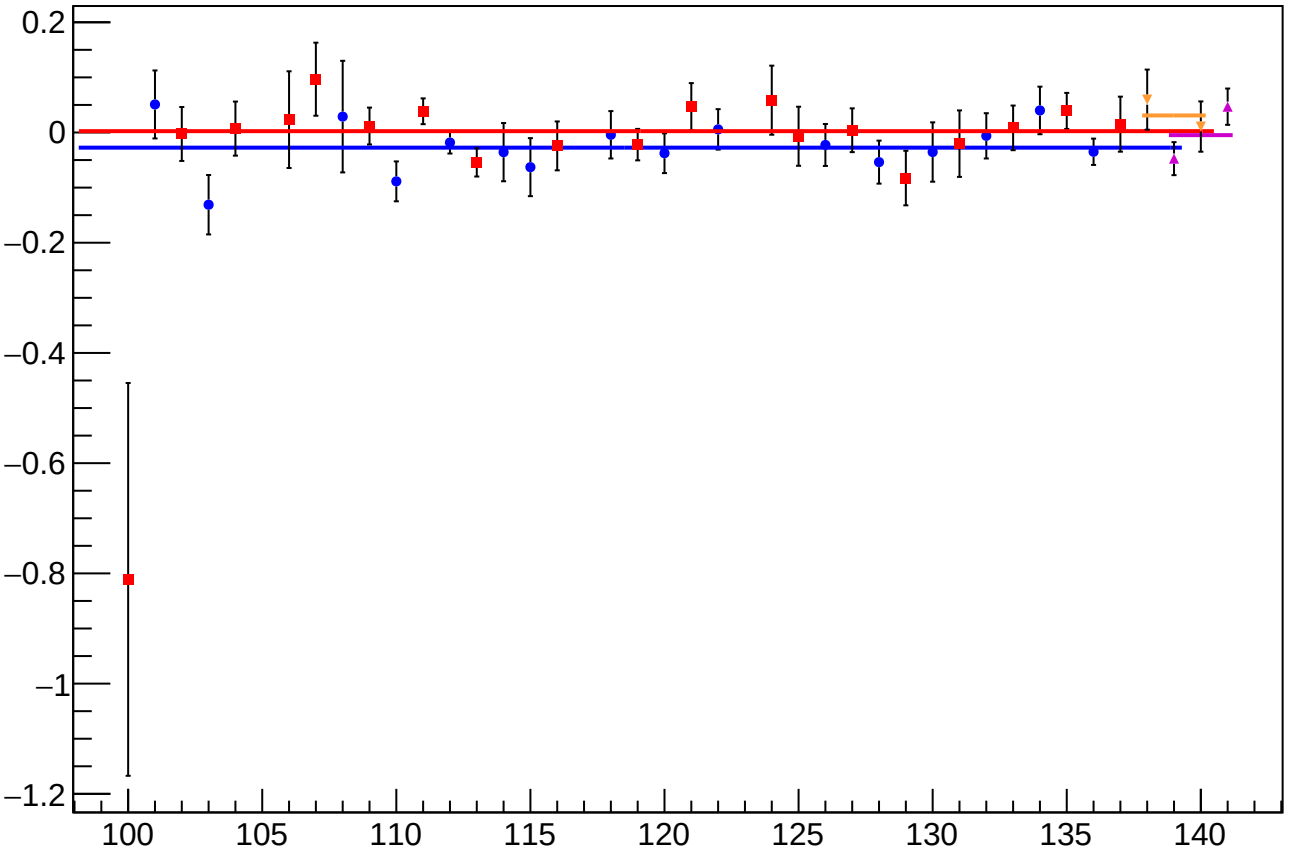
Left: 0.000+/-0.000 χ^2/NDF: 313427.9/3

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:2859483.5/17

Out: 0.000+/-0.000 χ^2/NDF:2260306.9/20

All: 0.000+/-0.000 χ^2/NDF: 5131968.7/38



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.031+/-0.035 χ^2/NDF:0.5/1

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.022 χ^2/NDF:4.5/1

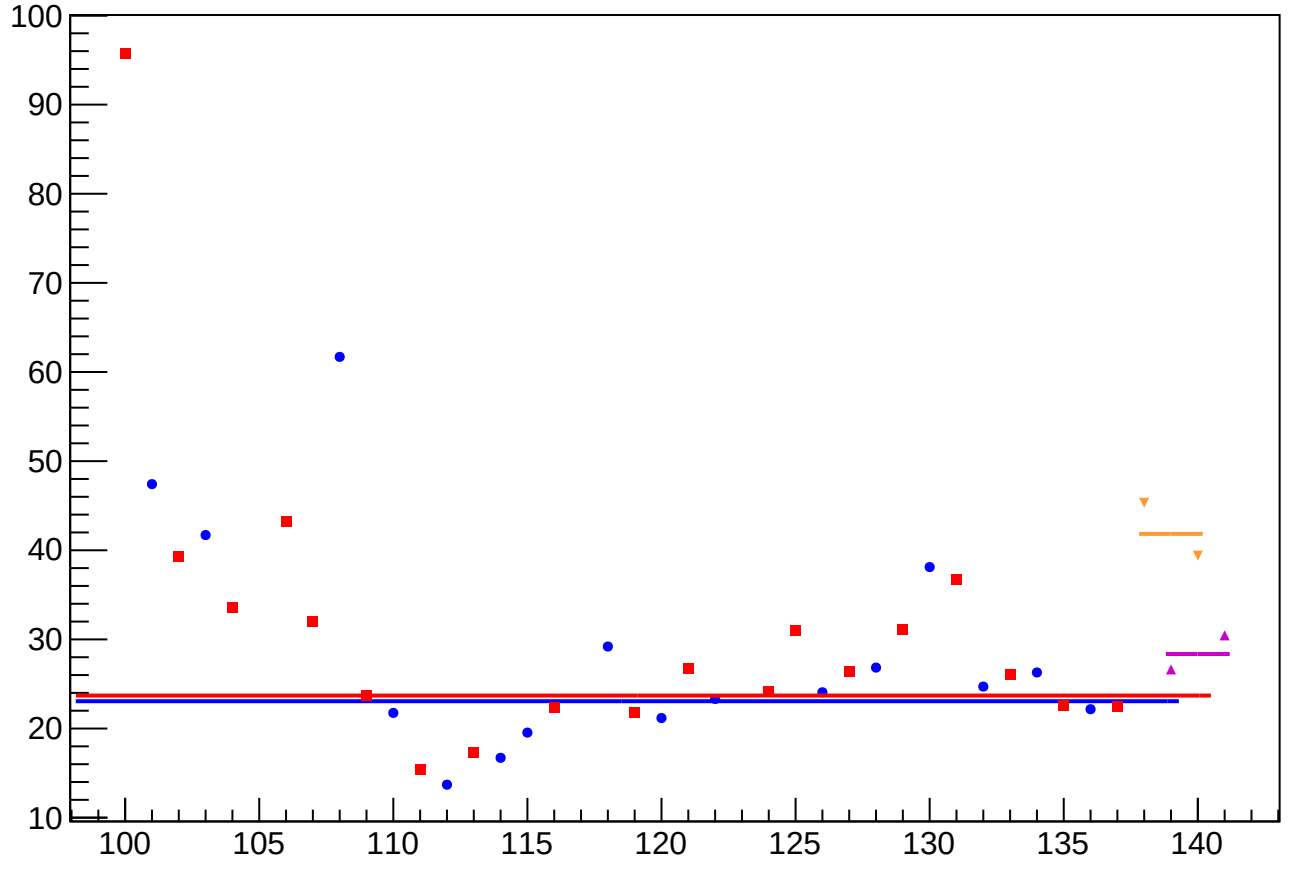
Left: 0.005+/-0.019 χ^2/NDF: 5.7/3

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.024+/-0.009 χ^2/NDF:19.0/17

Out: 0.004+/-0.009 χ^2/NDF:23.2/20

All: -0.010+/-0.006 χ^2/NDF: 47.4/38



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 41.839+/-0.025 χ^2/NDF:13921.3/1

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 28.362+/-0.016 χ^2/NDF:14757.4/1

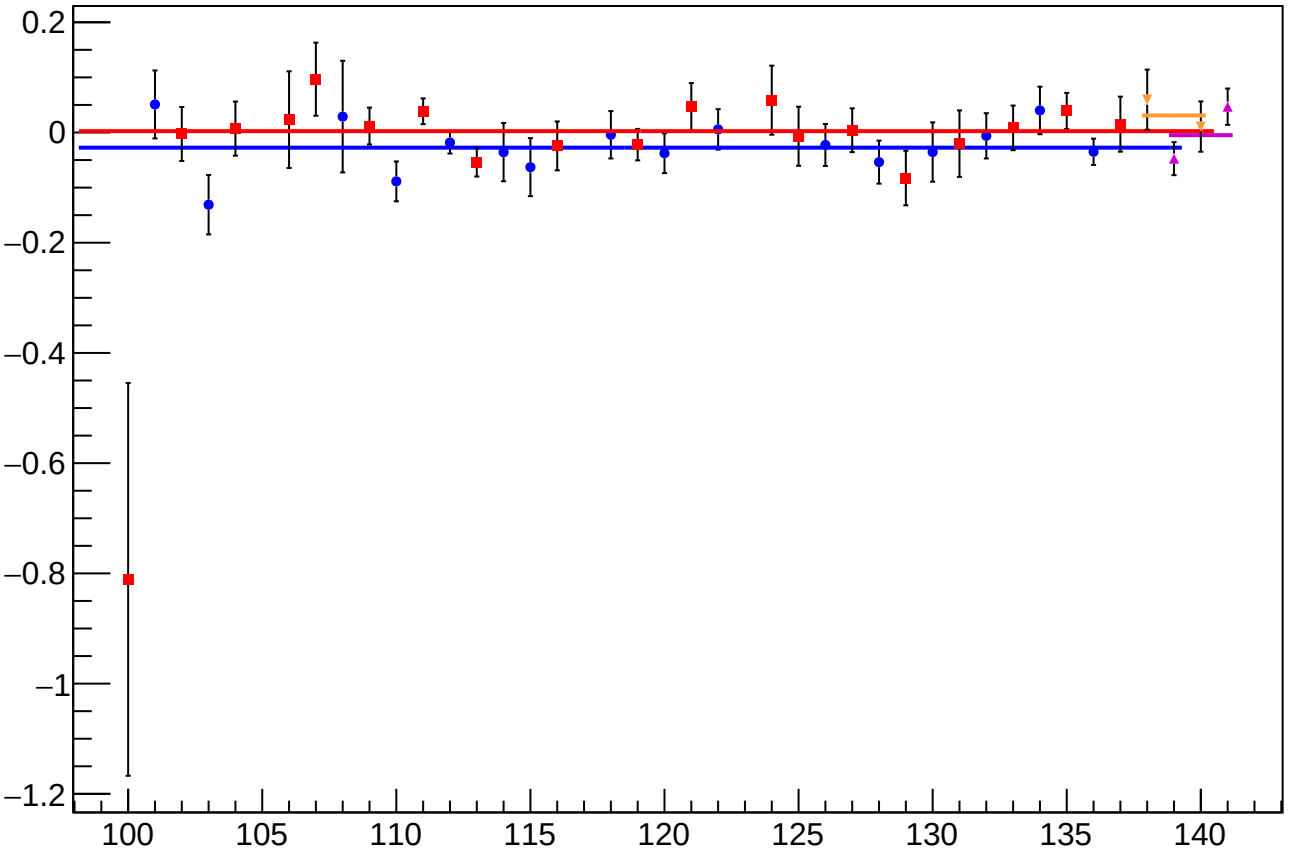
Left: 32.222+/-0.013 χ^2/NDF: 240505.1/3

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 23.872+/-0.006 χ^2/NDF:1676088.3/17

Out: 24.898+/-0.006 χ^2/NDF:1604607.1/20

All: 24.366+/-0.004 χ^2/NDF: 3294216.9/38



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.031+/-0.035 χ^2/NDF:0.5/1

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.022 χ^2/NDF:4.5/1

Left: 0.005+/-0.019 χ^2/NDF: 5.7/3

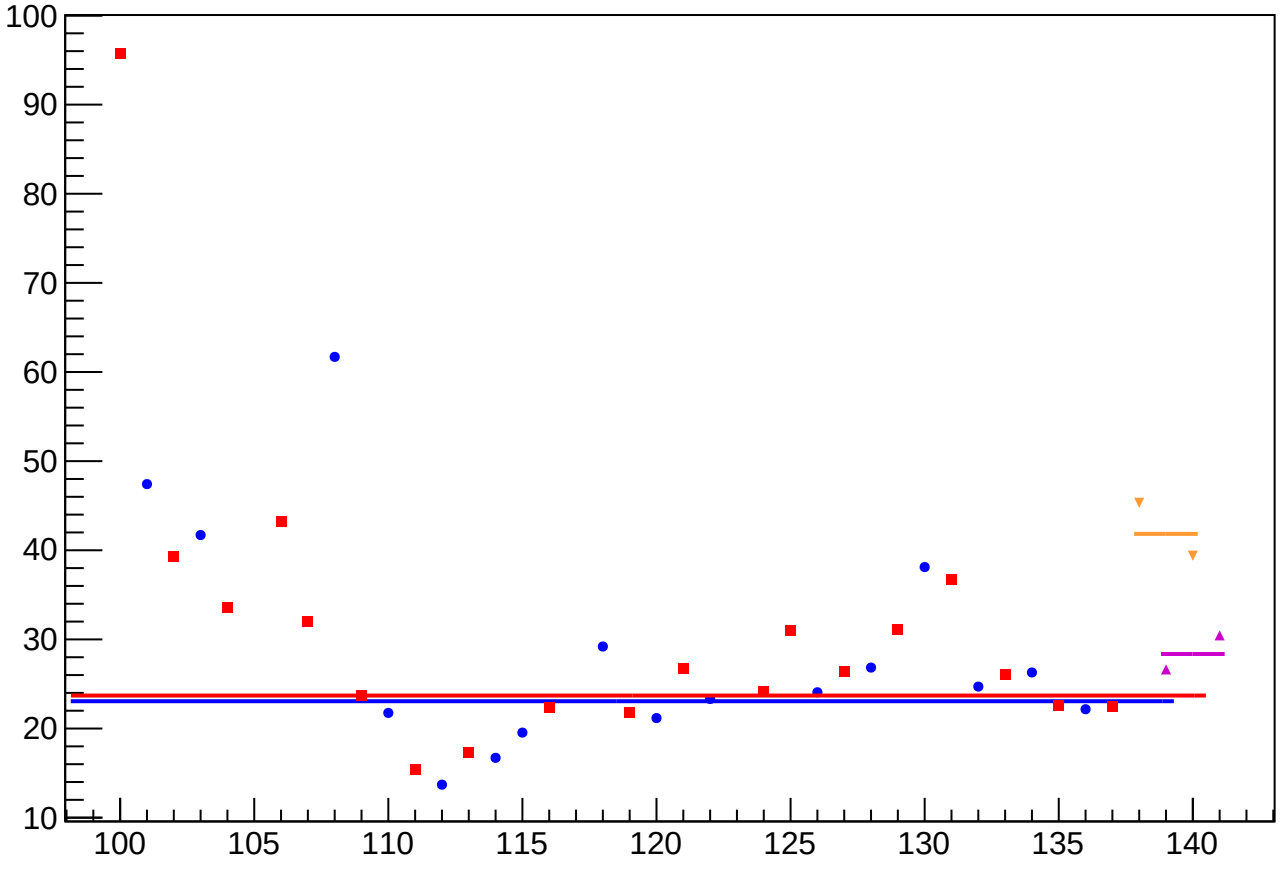
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.024+/-0.009 χ^2/NDF:19.0/17

Out: 0.004+/-0.009 χ^2/NDF:23.2/20

All: -0.010+/-0.006 χ^2/NDF: 47.4/38

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 41.839+/-0.025 χ^2/NDF:13921.3/1

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 28.362+/-0.016 χ^2/NDF:14757.4/1

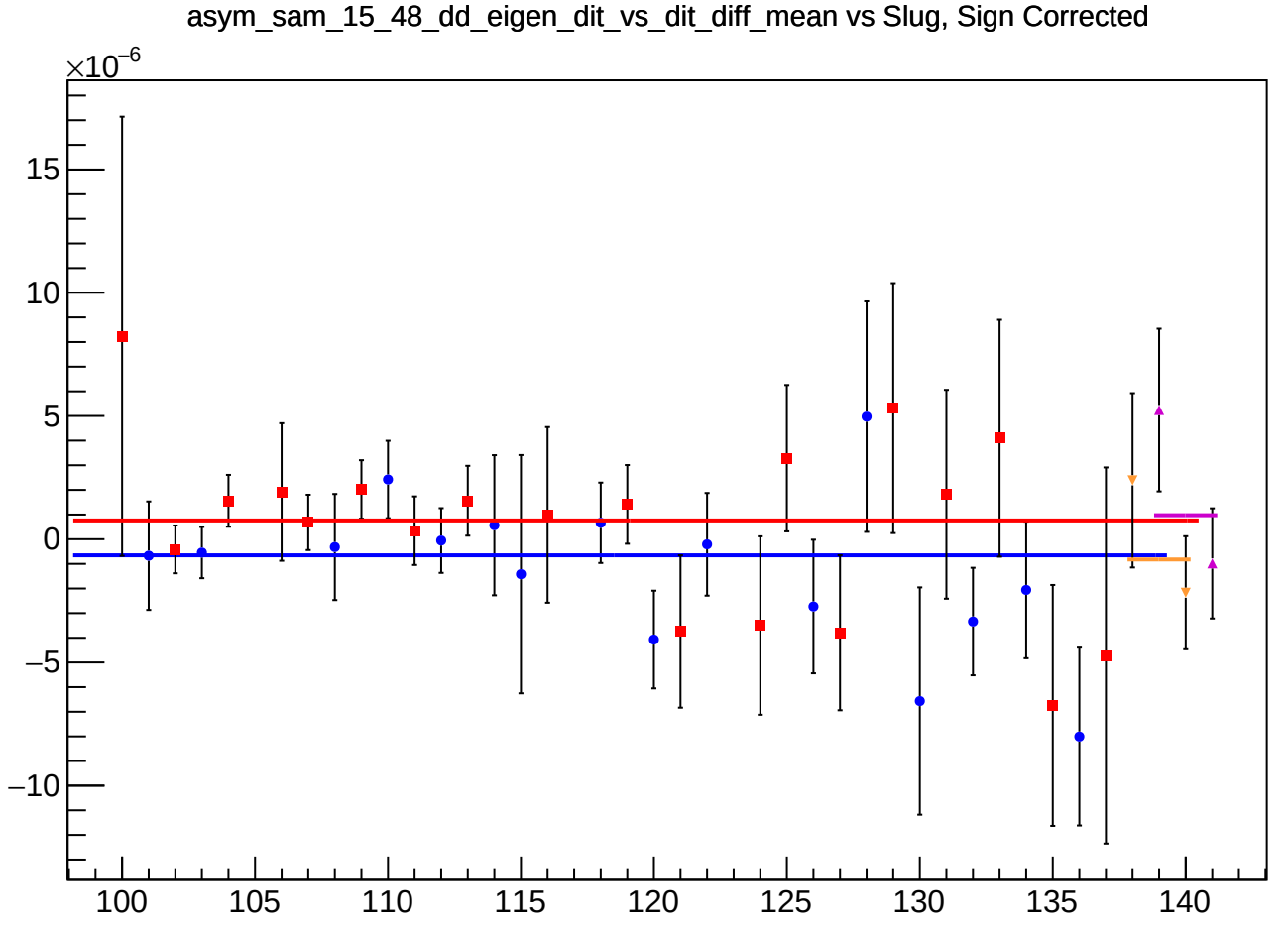
Left: 32.222+/-0.013 χ^2/NDF: 240505.1/3

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 23.872+/-0.006 χ^2/NDF:1676088.3/17

Out: 24.898+/-0.006 χ^2/NDF:1604607.1/20

All: 24.366+/-0.004 χ^2/NDF: 3294216.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/1

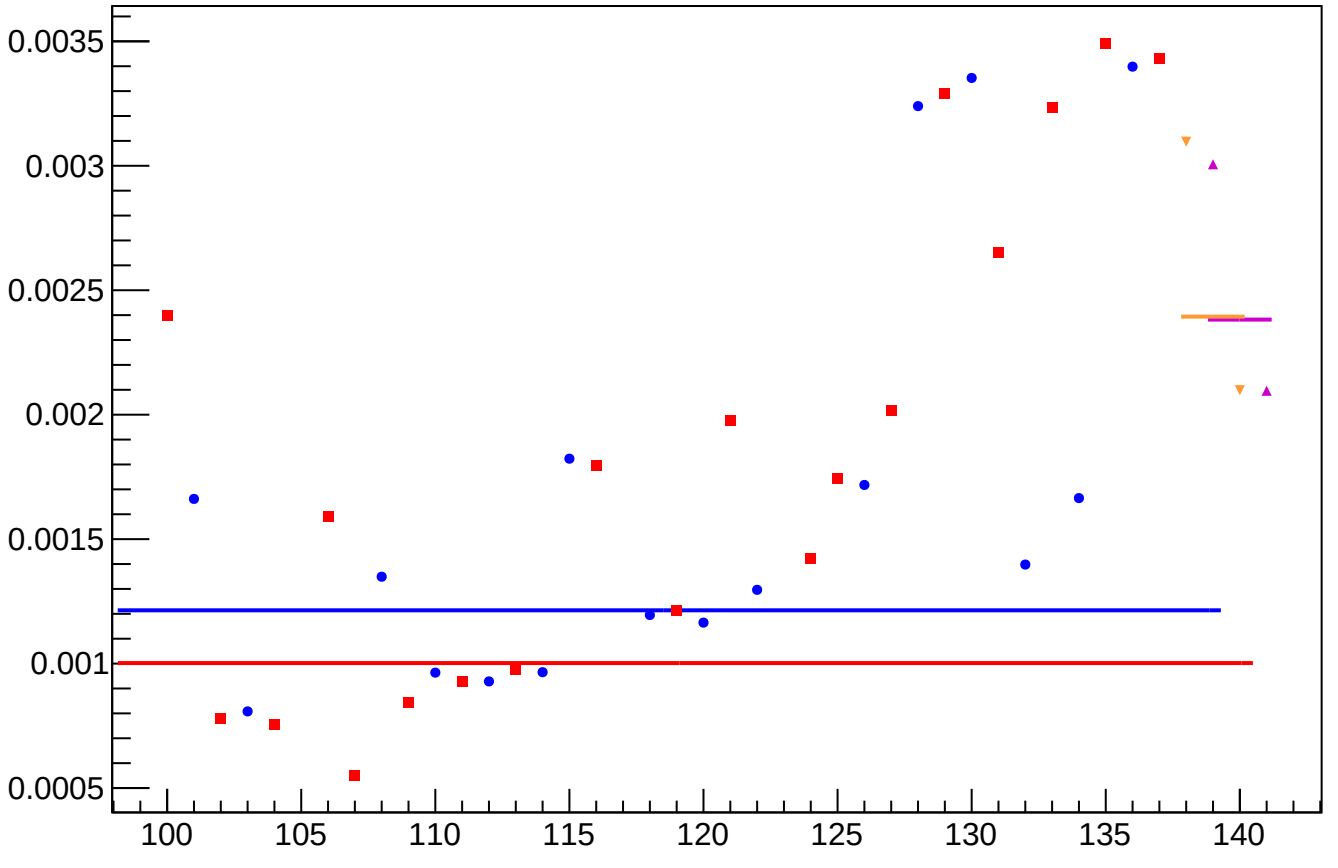
Left: 0.000+/-0.000 χ^2/NDF: 4.1/3

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:20.7/17

Out: 0.000+/-0.000 χ^2/NDF:17.0/20

All: 0.000+/-0.000 χ^2/NDF: 41.5/38



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:112242.4/1

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.002+/-0.000 χ^2/NDF:104158.2/1

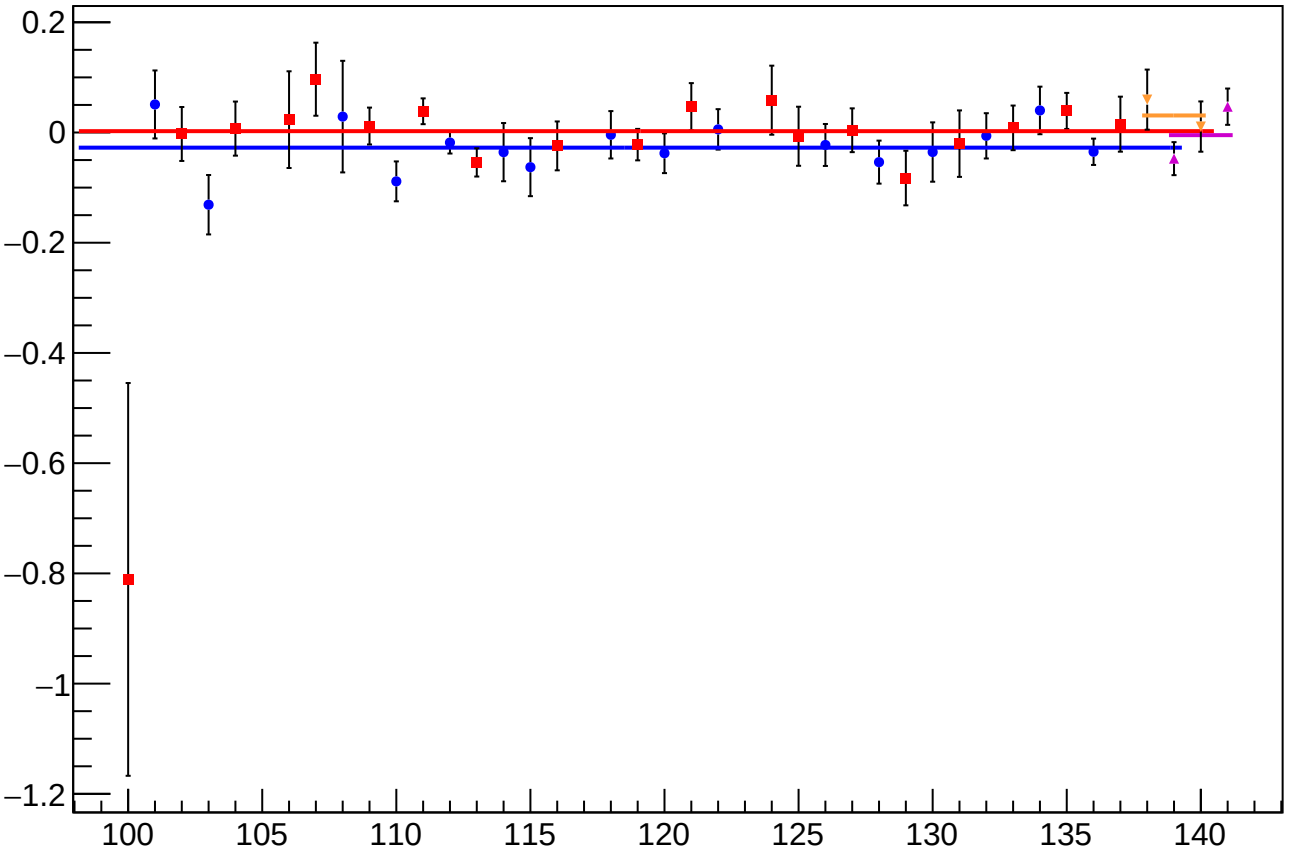
Left: 0.002+/-0.000 χ^2/NDF: 216440.2/3

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:3114001.9/17

Out: 0.001+/-0.000 χ^2/NDF:4388777.5/20

All: 0.001+/-0.000 χ^2/NDF: 7762864.1/38



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.031+/-0.035 χ^2/NDF:0.5/1

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.022 χ^2/NDF:4.5/1

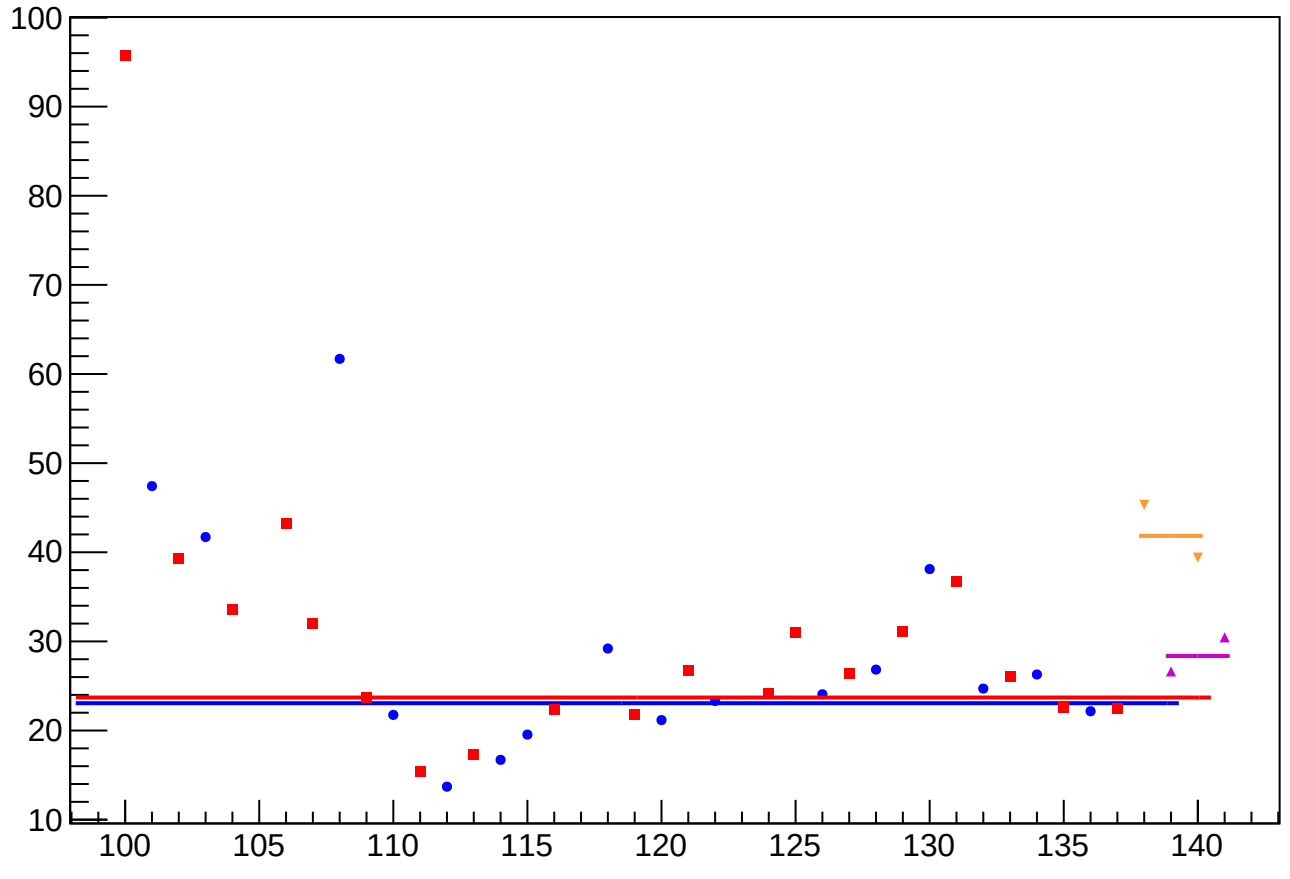
Left: 0.005+/-0.019 χ^2/NDF: 5.7/3

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.024+/-0.009 χ^2/NDF:19.0/17

Out: 0.004+/-0.009 χ^2/NDF:23.2/20

All: -0.010+/-0.006 χ^2/NDF: 47.4/38



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 41.839+/-0.025 χ^2/NDF:13915.3/1

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 28.362+/-0.016 χ^2/NDF:14765.0/1

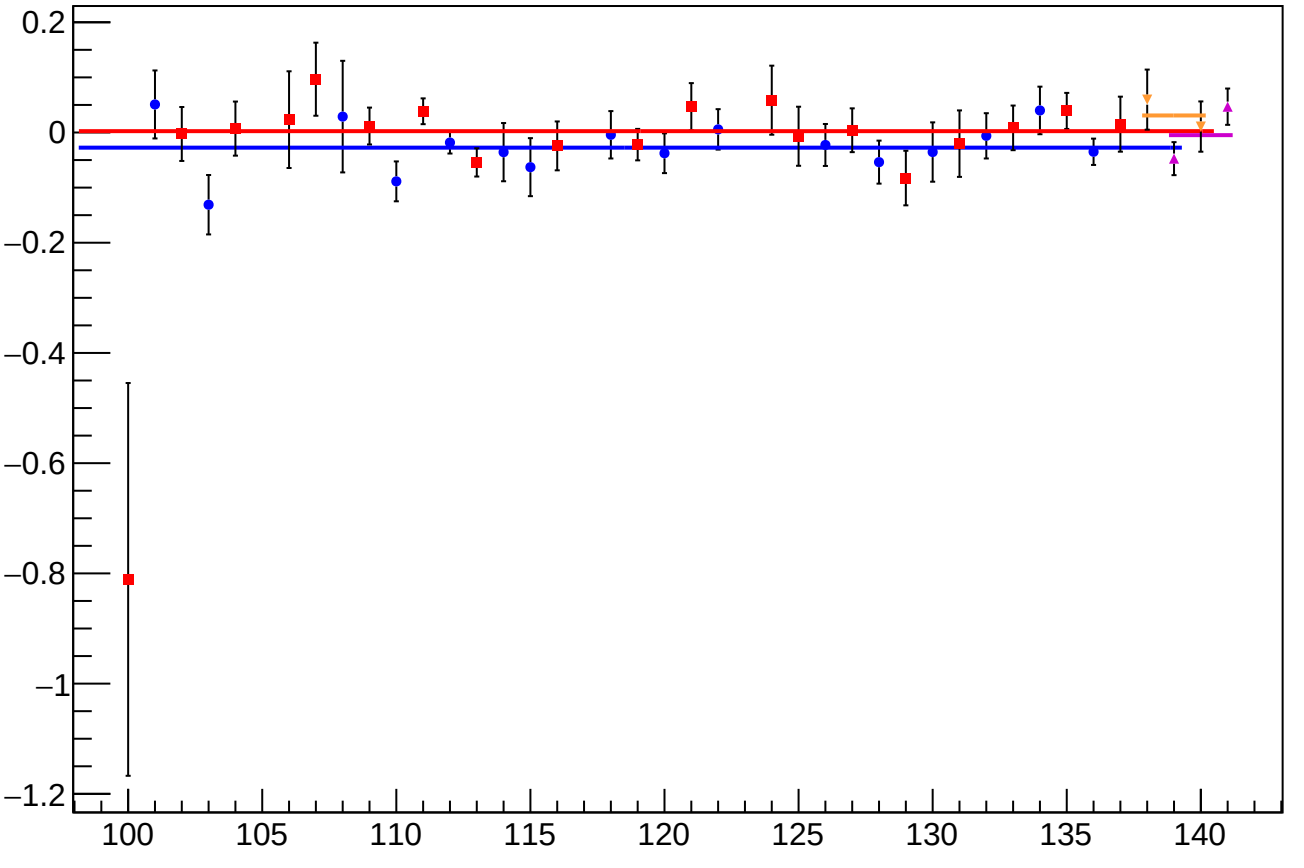
Left: 32.222+/-0.013 χ^2/NDF: 240518.0/3

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 23.872+/-0.006 χ^2/NDF:1676100.5/17

Out: 24.897+/-0.006 χ^2/NDF:1604640.7/20

All: 24.365+/-0.004 χ^2/NDF: 3294262.7/38



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.031+/-0.035 χ^2/NDF:0.5/1

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.022 χ^2/NDF:4.5/1

Left: 0.005+/-0.019 χ^2/NDF: 5.7/3

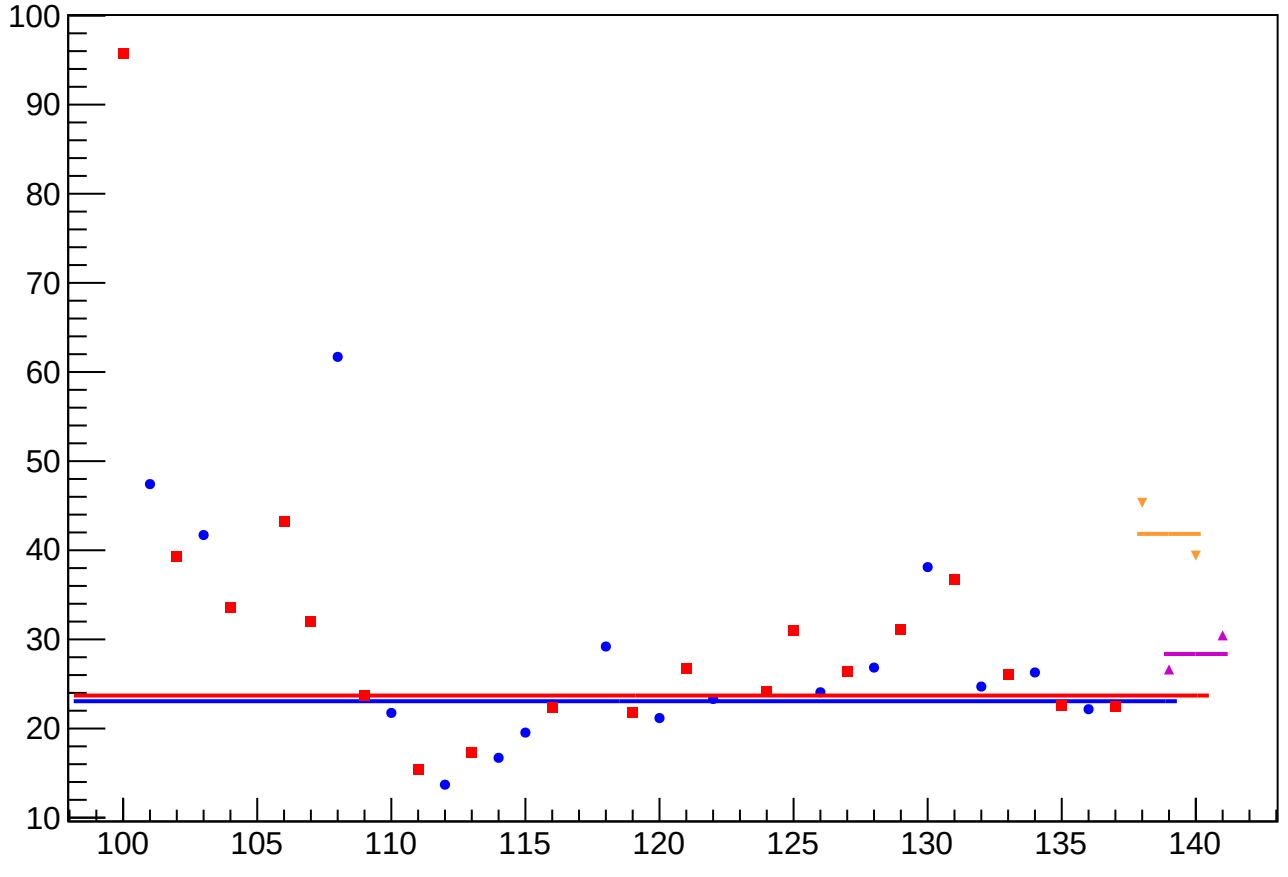
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.024+/-0.009 χ^2/NDF:19.0/17

Out: 0.004+/-0.009 χ^2/NDF:23.2/20

All: -0.010+/-0.006 χ^2/NDF: 47.4/38

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 41.839+/-0.025 χ^2/NDF:13915.3/1

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 28.362+/-0.016 χ^2/NDF:14765.0/1

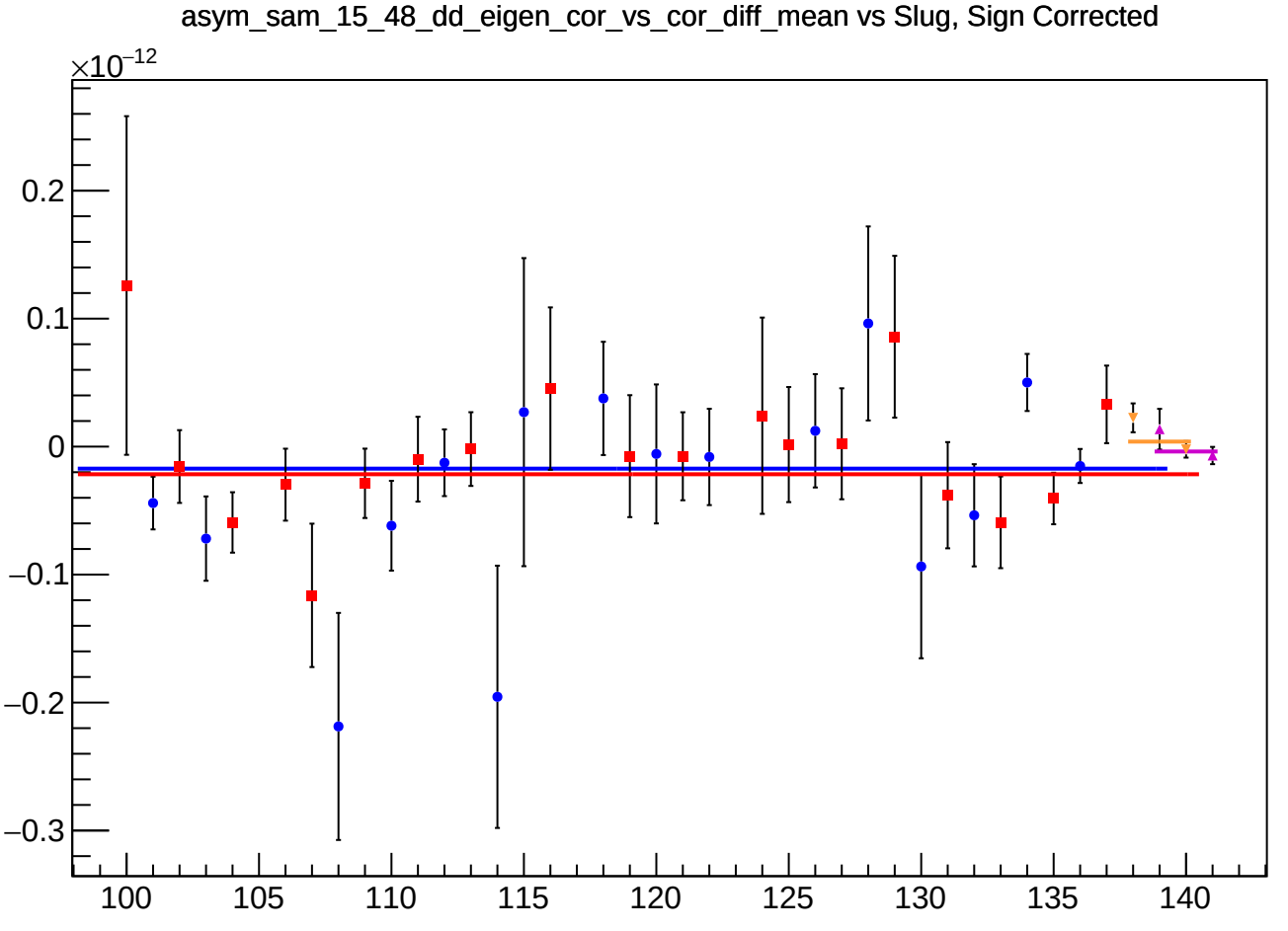
Left: 32.222+/-0.013 χ^2/NDF: 240518.0/3

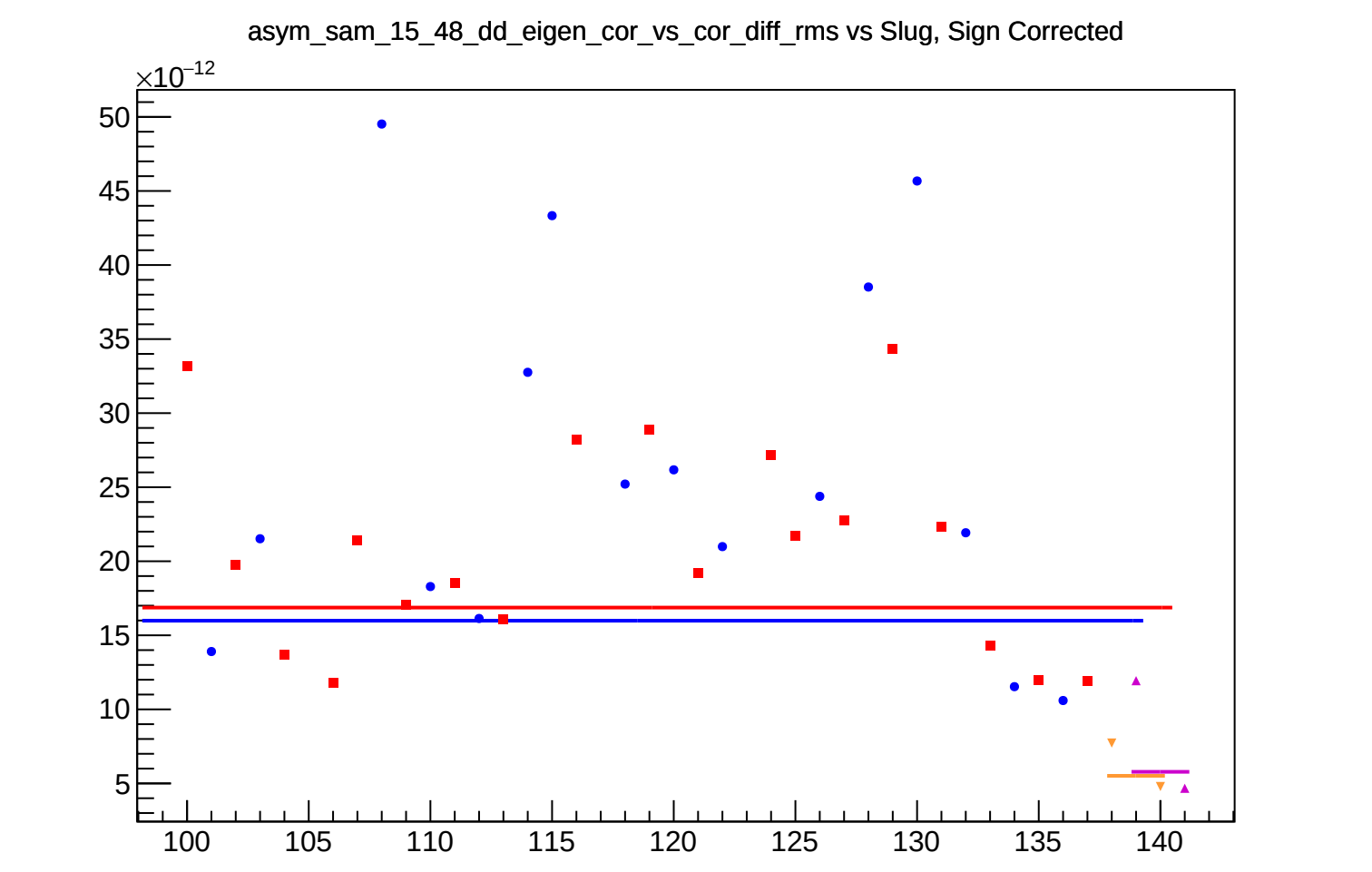
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 23.872+/-0.006 χ^2/NDF:1676100.5/17

Out: 24.897+/-0.006 χ^2/NDF:1604640.7/20

All: 24.365+/-0.004 χ^2/NDF: 3294262.7/38


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 29.9/15
Left Out: 0.000+/-0.000 χ²/NDF:3.6/1
Right Out: -0.000+/-0.000 χ²/NDF: 18.0/18
Left In: -0.000+/-0.000 χ²/NDF:1.4/1
Left: 0.000+/-0.000 χ²/NDF: 5.9/3
Right: -0.000+/-0.000 χ²/NDF: 48.0/34
In: -0.000+/-0.000 χ²/NDF:33.1/17
Out: -0.000+/-0.000 χ²/NDF:28.6/20
All: -0.000+/-0.000 χ²/NDF: 62.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:102182.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:354073.9/1

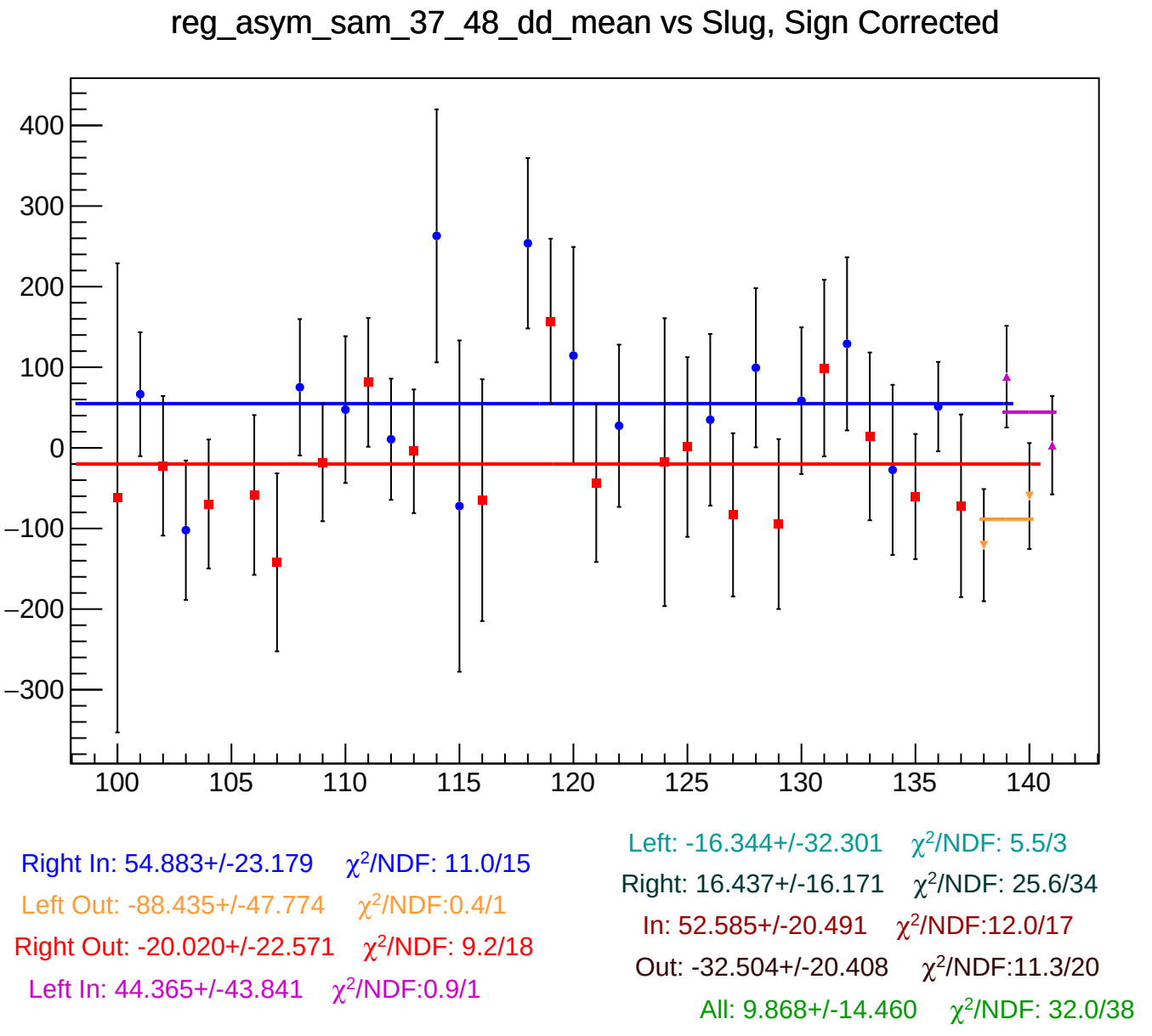
Left: 0.000+/-0.000 χ^2/NDF: 458353.6/3

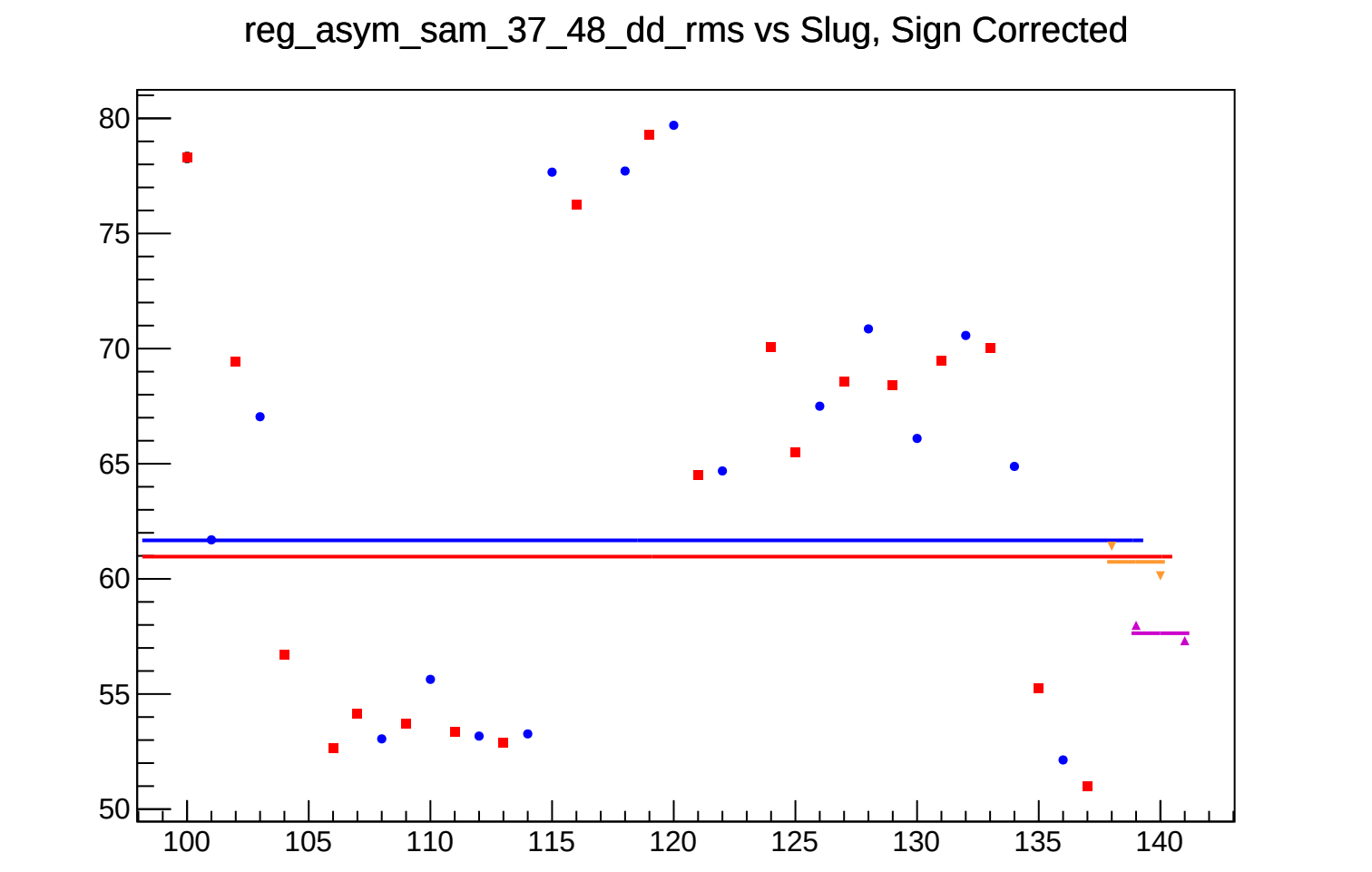
Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:4223591.0/17

Out: 0.000+/-0.000 χ^2/NDF:3694653.9/20

All: 0.000+/-0.000 χ^2/NDF: 7927481.0/38


reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
105
110
115
120
125
130
135
140
Right In: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: -88.435+/-47.774 χ²/NDF:0.4/1
Right Out: -20.020+/-22.571 χ²/NDF: 9.2/18
Left In: 44.365+/-43.841 χ²/NDF:0.9/1
Left: -16.344+/-32.301 χ²/NDF: 5.5/3
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 52.585+/-20.491 χ²/NDF:12.0/17
Out: -32.504+/-20.408 χ²/NDF:11.3/20
All: 9.868+/-14.460 χ²/NDF: 32.0/38



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 60.739+/-0.034 χ^2/NDF:363.6/1

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 57.640+/-0.031 χ^2/NDF:115.7/1

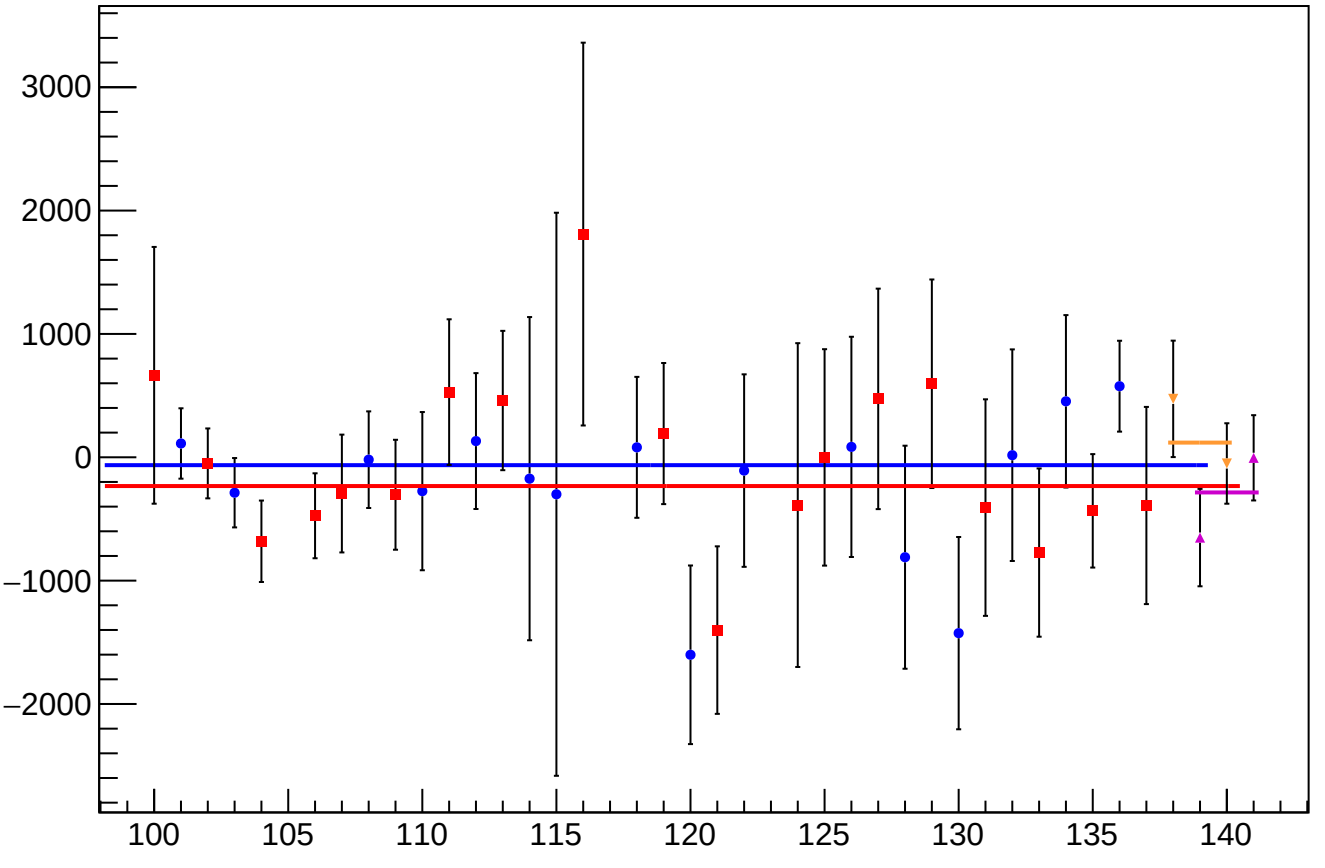
Left: 59.057+/-0.023 χ^2/NDF: 5049.0/3

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 60.792+/-0.014 χ^2/NDF:280453.1/17

Out: 60.925+/-0.014 χ^2/NDF:284584.0/20

All: 60.859+/-0.010 χ^2/NDF: 565079.5/38



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 119.020+/-268.305 χ^2/NDF:0.8/1

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -285.061+/-260.051 χ^2/NDF:1.5/1

Left: -89.332+/-186.734 χ^2/NDF: 3.5/3

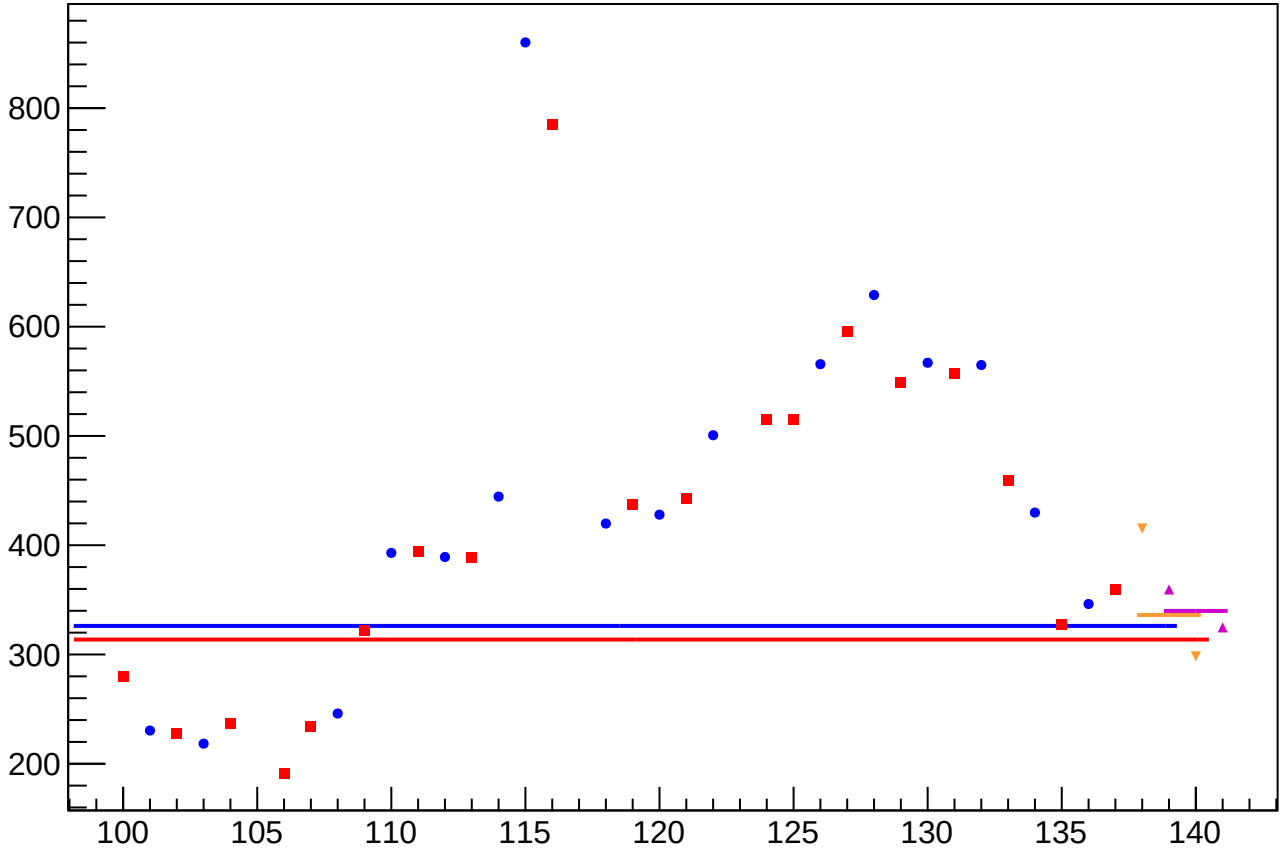
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -107.889+/-116.047 χ^2/NDF:15.3/17

Out: -172.209+/-111.654 χ^2/NDF:16.8/20

All: -141.289+/-80.459 χ^2/NDF: 32.2/38

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 336.135+/-0.190 χ^2/NDF:83194.4/1

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 339.855+/-0.184 χ^2/NDF:8752.9/1

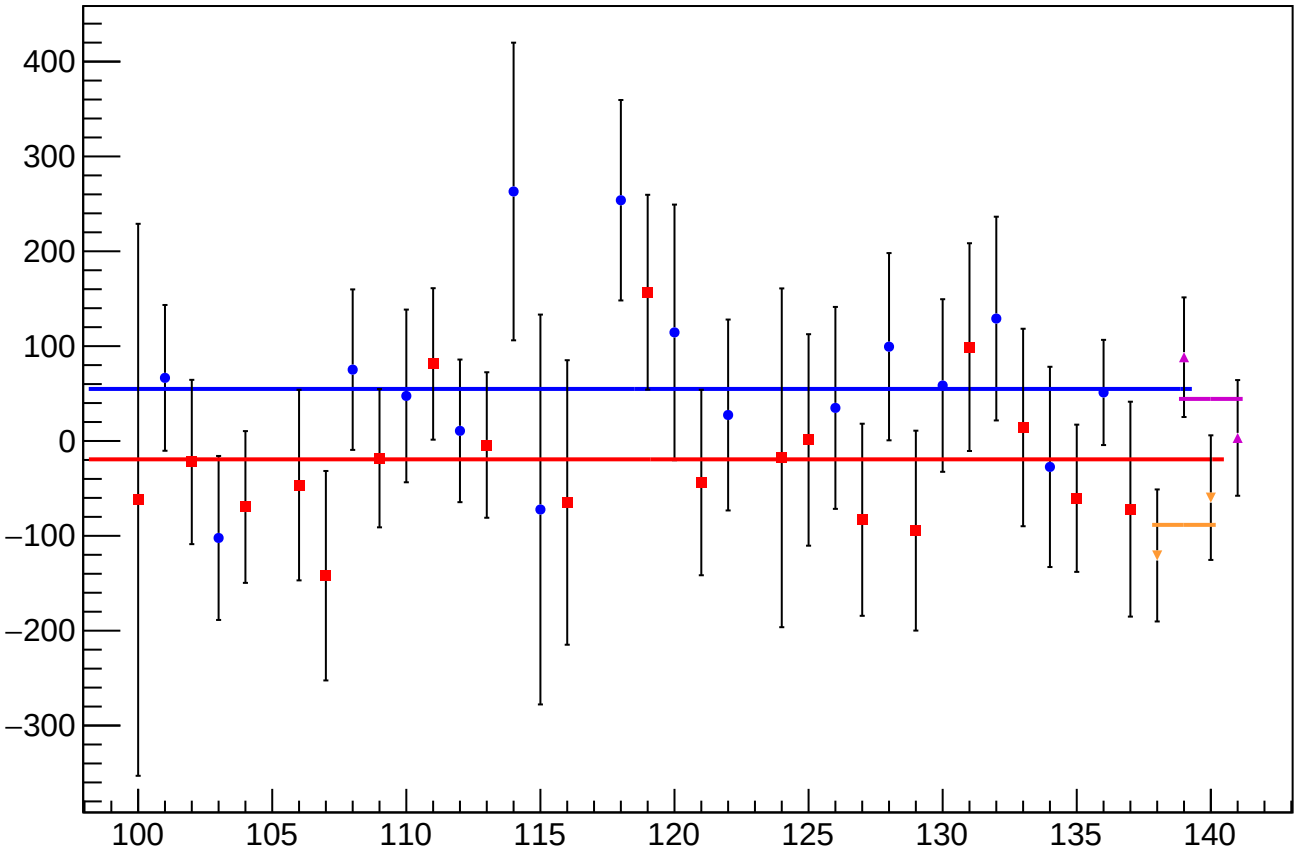
Left: 338.053+/-0.132 χ^2/NDF: 92145.6/3

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 328.877+/-0.082 χ^2/NDF:1747198.7/17

Out: 317.562+/-0.079 χ^2/NDF:1882132.4/20

All: 323.001+/-0.057 χ^2/NDF: 3639204.8/38



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -88.442+/-47.774 χ^2/NDF:0.4/1

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 44.360+/-43.841 χ^2/NDF:0.9/1

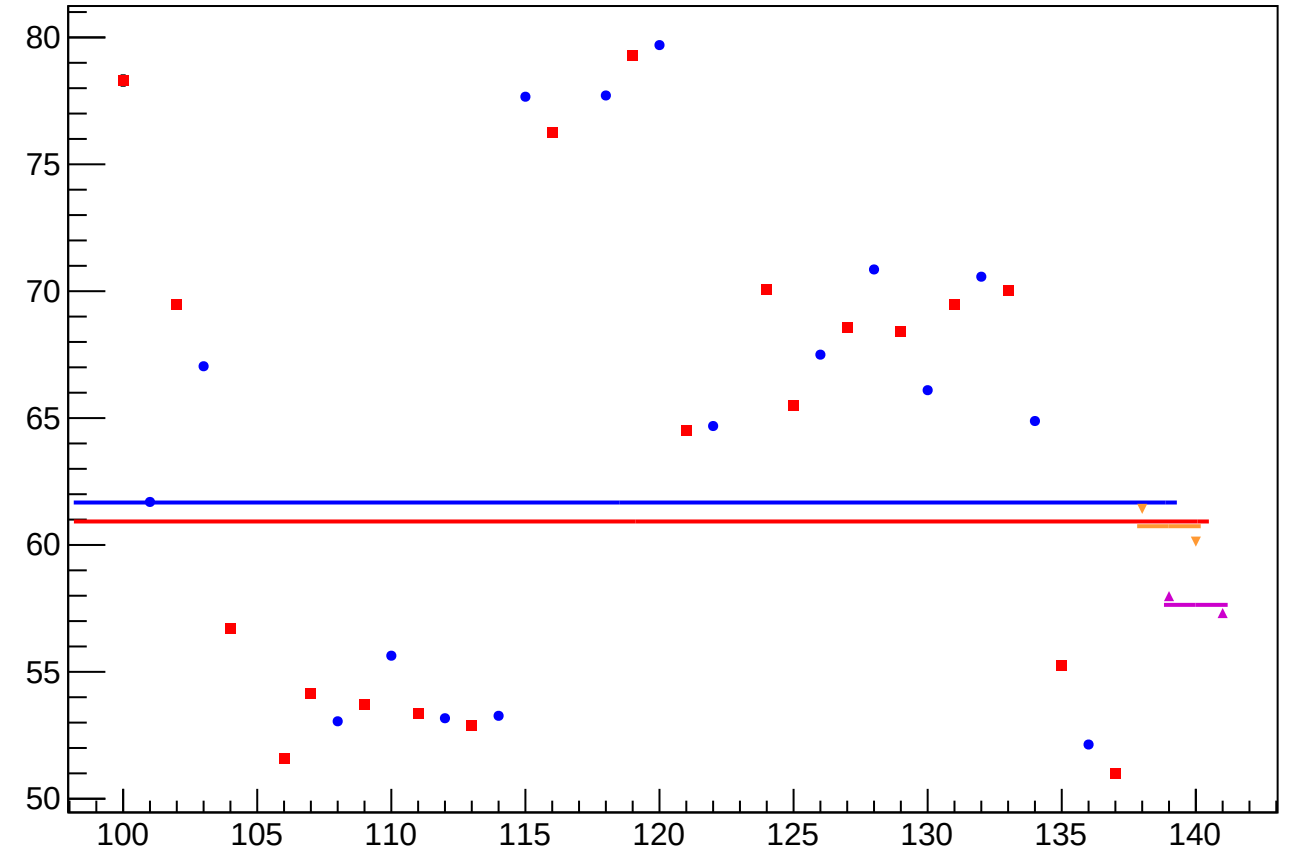
Left: -16.350+/-32.301 χ^2/NDF: 5.5/3

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 52.579+/-20.491 χ^2/NDF:12.0/17

Out: -31.975+/-20.420 χ^2/NDF:11.3/20

All: 10.156+/-14.464 χ^2/NDF: 31.8/38



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.739+/-0.034 χ^2/NDF:363.6/1

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.640+/-0.031 χ^2/NDF:115.7/1

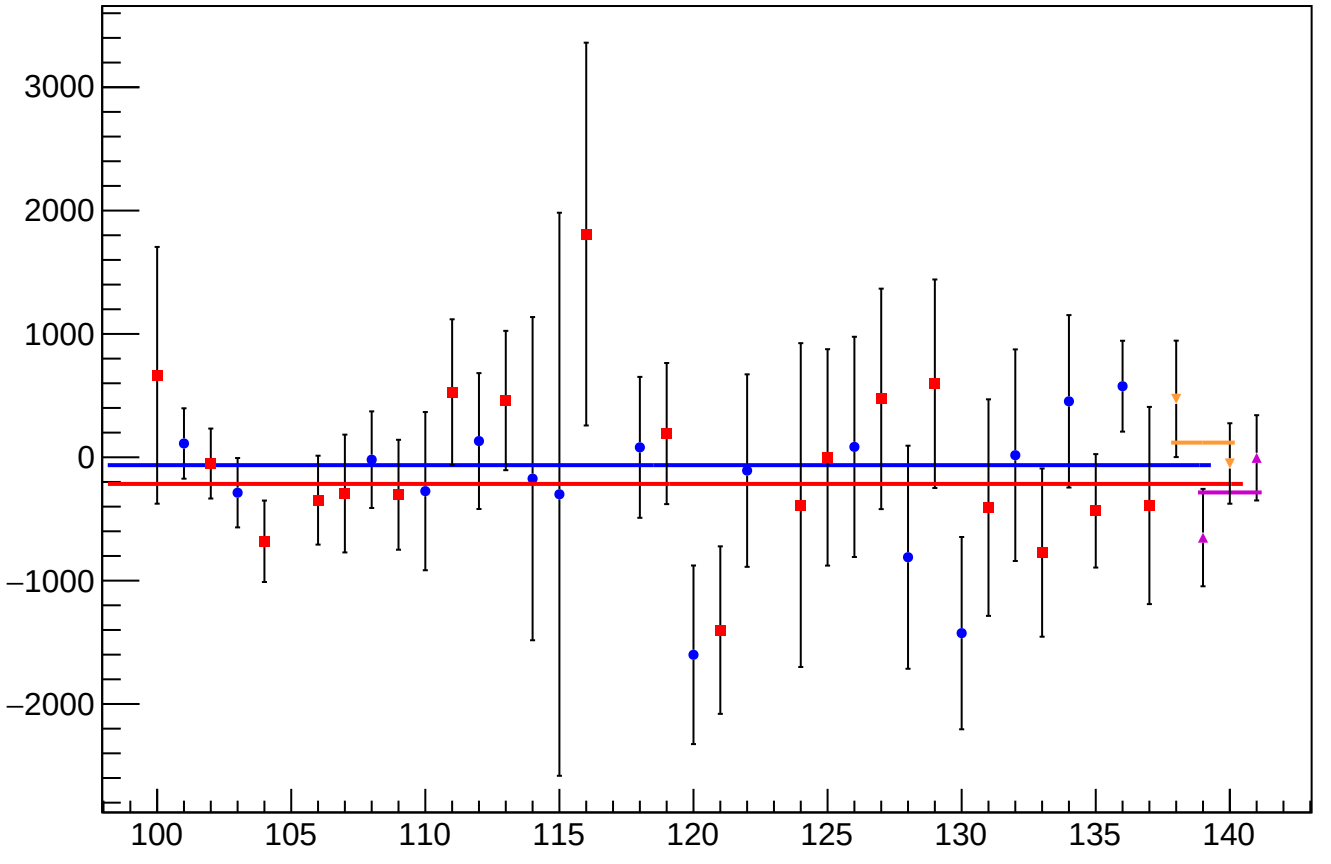
Left: 59.057+/-0.023 χ^2/NDF: 5049.0/3

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.792+/-0.014 χ^2/NDF:280453.3/17

Out: 60.892+/-0.014 χ^2/NDF:287968.2/20

All: 60.842+/-0.010 χ^2/NDF: 568445.3/38



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 119.008+/-268.305 χ^2/NDF:0.8/1

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -285.063+/-260.051 χ^2/NDF:1.5/1

Left: -89.339+/-186.734 χ^2/NDF: 3.5/3

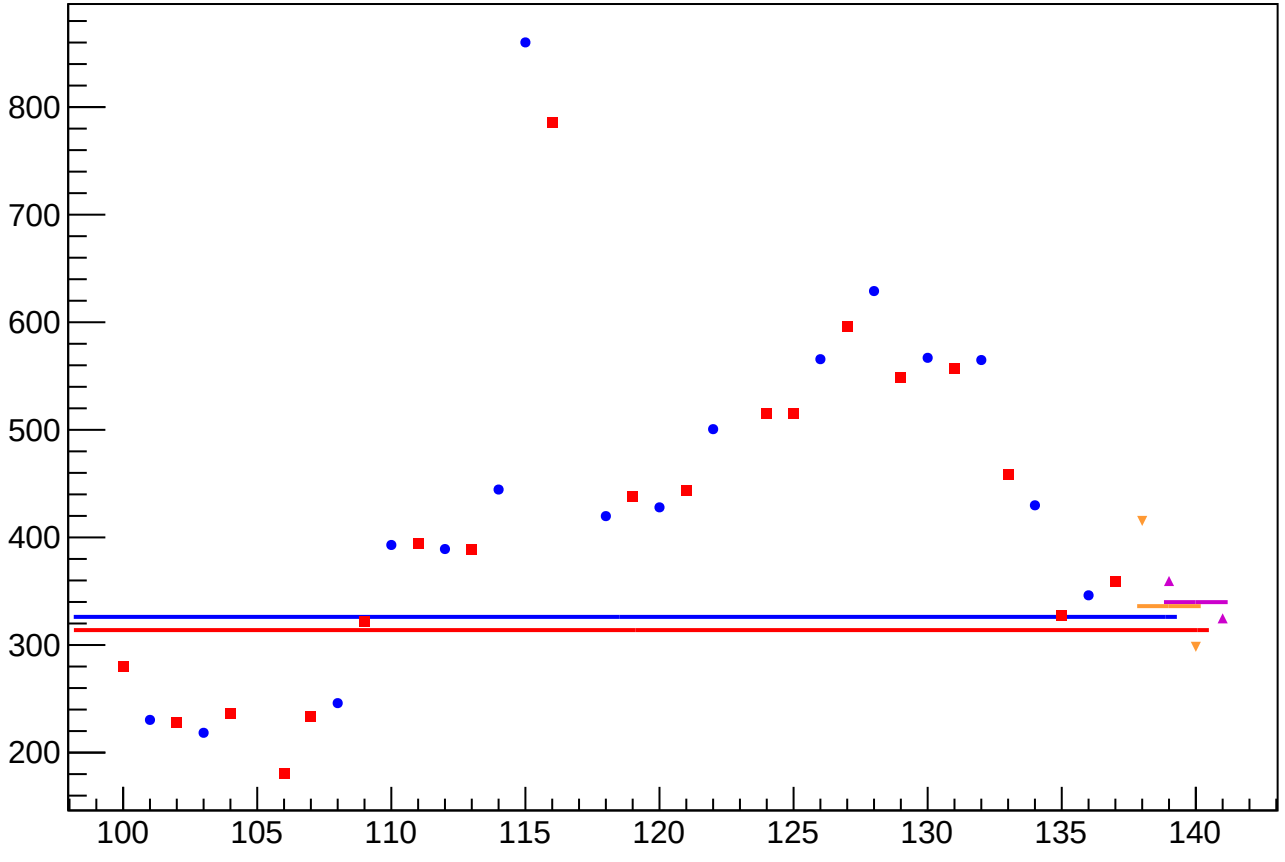
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -107.878+/-116.047 χ^2/NDF:15.3/17

Out: -157.364+/-112.179 χ^2/NDF:16.2/20

All: -133.459+/-80.656 χ^2/NDF: 31.6/38

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 336.135+/-0.190 χ^2/NDF:83194.7/1

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 339.855+/-0.184 χ^2/NDF:8752.5/1

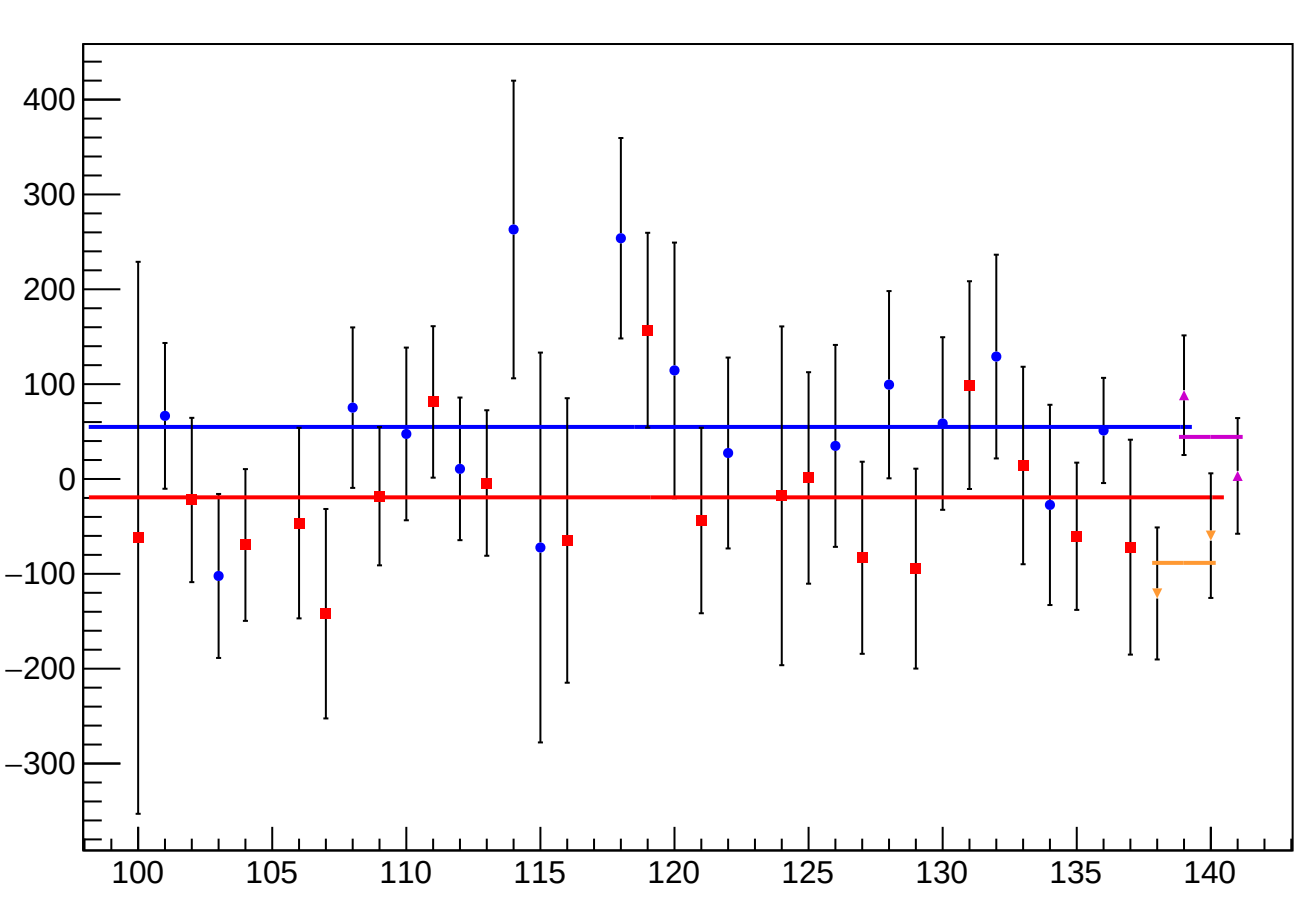
Left: 338.053+/-0.132 χ^2/NDF: 92145.4/3

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 328.879+/-0.082 χ^2/NDF:1747135.6/17

Out: 317.755+/-0.079 χ^2/NDF:1900348.1/20

All: 323.128+/-0.057 χ^2/NDF: 3656985.2/38



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -88.442+/-47.774 χ^2/NDF:0.4/1

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 44.360+/-43.841 χ^2/NDF:0.9/1

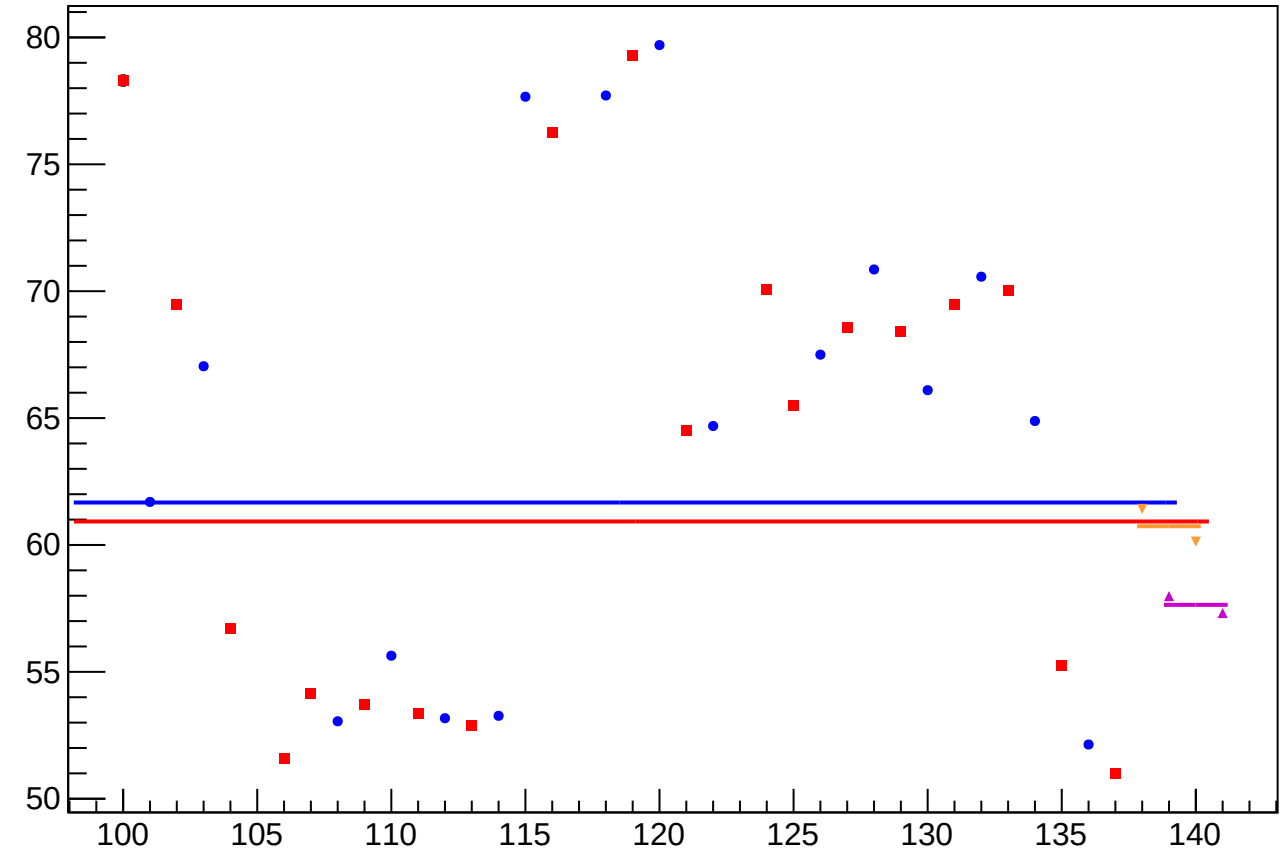
Left: -16.350+/-32.301 χ^2/NDF: 5.5/3

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 52.579+/-20.491 χ^2/NDF:12.0/17

Out: -31.975+/-20.420 χ^2/NDF:11.3/20

All: 10.156+/-14.464 χ^2/NDF: 31.8/38



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.739+/-0.034 χ^2/NDF:363.6/1

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.640+/-0.031 χ^2/NDF:115.7/1

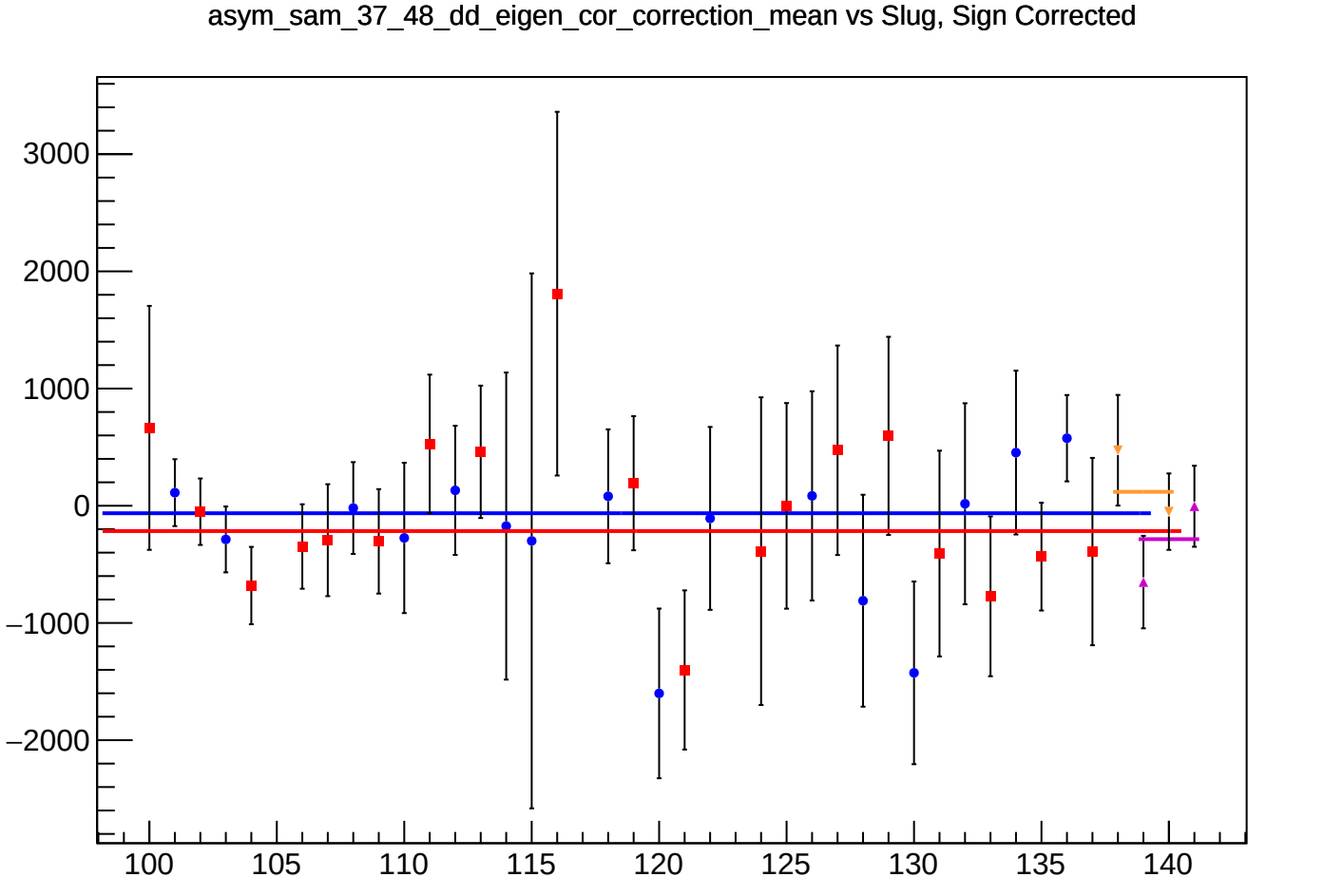
Left: 59.057+/-0.023 χ^2/NDF: 5049.0/3

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.792+/-0.014 χ^2/NDF:280453.3/17

Out: 60.892+/-0.014 χ^2/NDF:287968.2/20

All: 60.842+/-0.010 χ^2/NDF: 568445.3/38



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 119.008+/-268.305 χ^2/NDF:0.8/1

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -285.063+/-260.051 χ^2/NDF:1.5/1

Left: -89.339+/-186.734 χ^2/NDF: 3.5/3

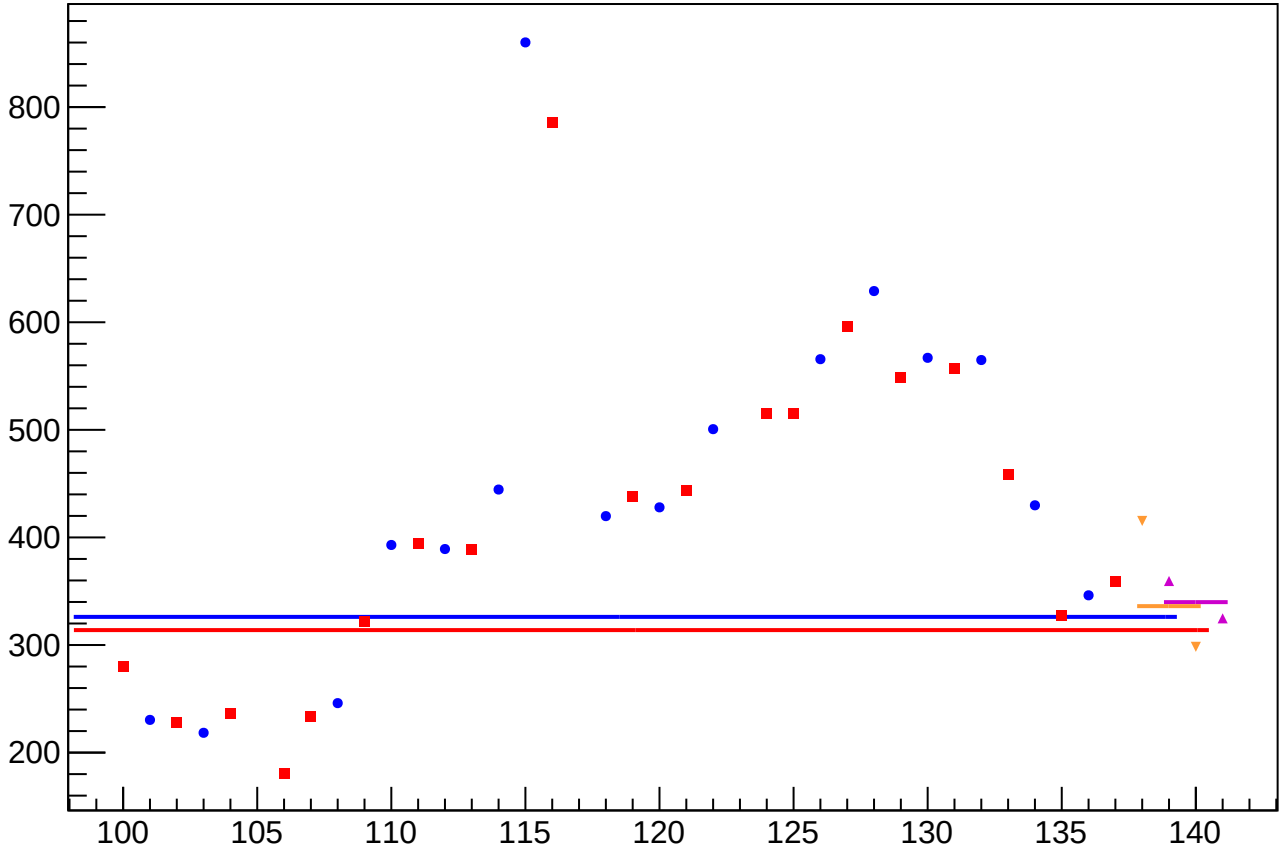
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -107.878+/-116.047 χ^2/NDF:15.3/17

Out: -157.364+/-112.179 χ^2/NDF:16.2/20

All: -133.459+/-80.656 χ^2/NDF: 31.6/38

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 336.135+/-0.190 χ^2/NDF:83194.7/1

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 339.855+/-0.184 χ^2/NDF:8752.5/1

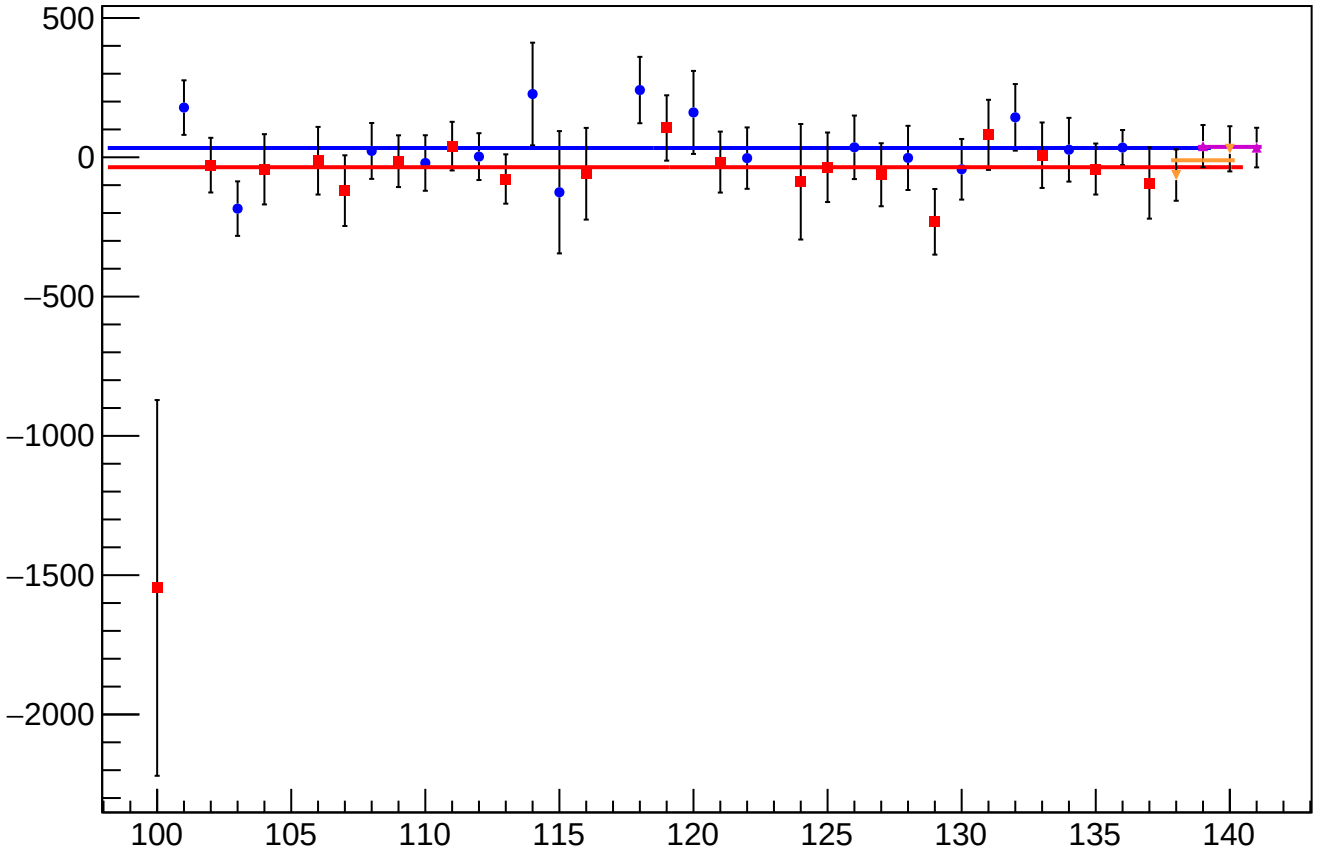
Left: 338.053+/-0.132 χ^2/NDF: 92145.4/3

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 328.879+/-0.082 χ^2/NDF:1747135.6/17

Out: 317.755+/-0.079 χ^2/NDF:1900348.1/20

All: 323.128+/-0.057 χ^2/NDF: 3656985.2/38



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: -10.730+/-60.867 χ^2/NDF:0.6/1

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 37.332+/-51.869 χ^2/NDF:0.0/1

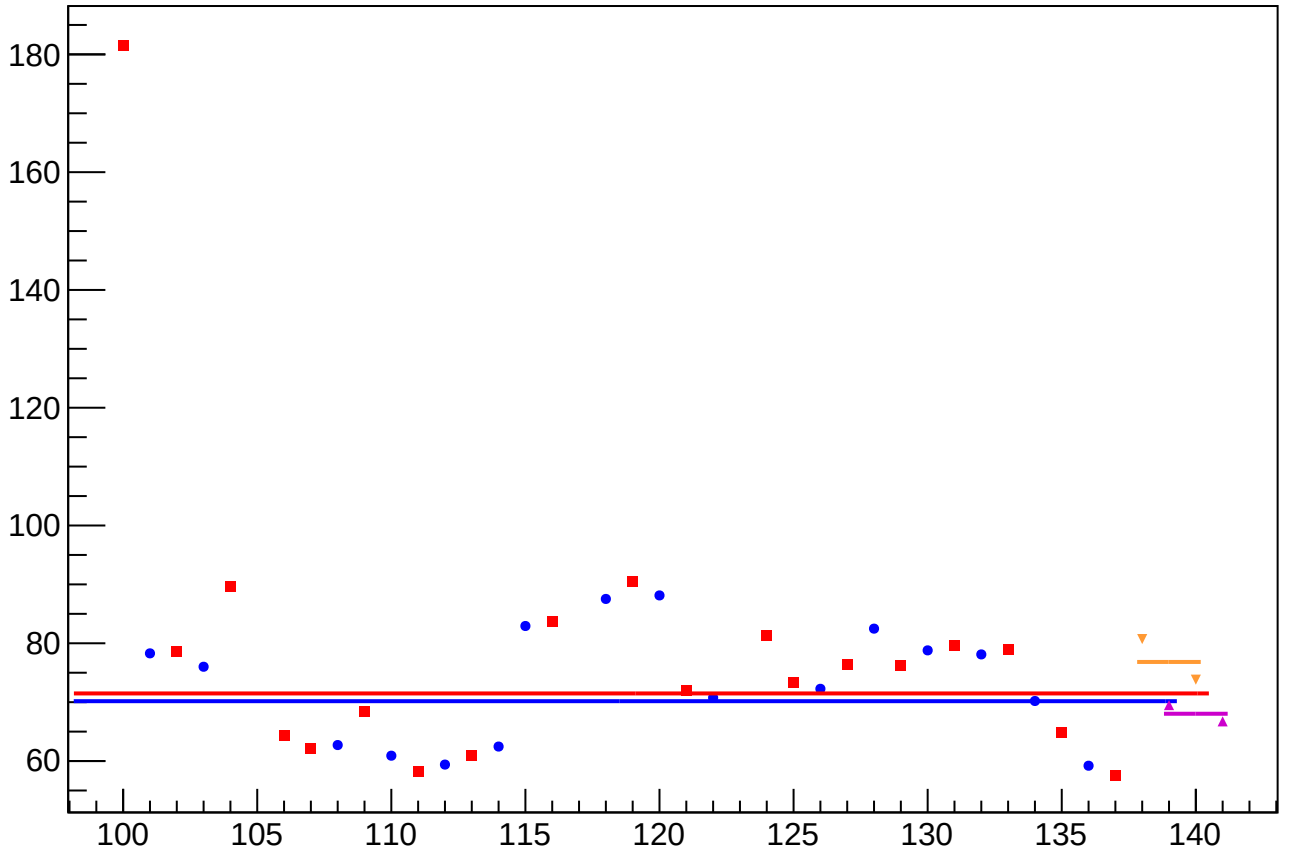
Left: 17.113+/-39.479 χ^2/NDF: 1.0/3

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 34.208+/-23.538 χ^2/NDF:14.5/17

Out: -31.608+/-24.325 χ^2/NDF:12.8/20

All: 2.382+/-16.915 χ^2/NDF: 31.2/38



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 76.829+/-0.043 χ^2/NDF:6313.4/1

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 68.034+/-0.037 χ^2/NDF:1412.5/1

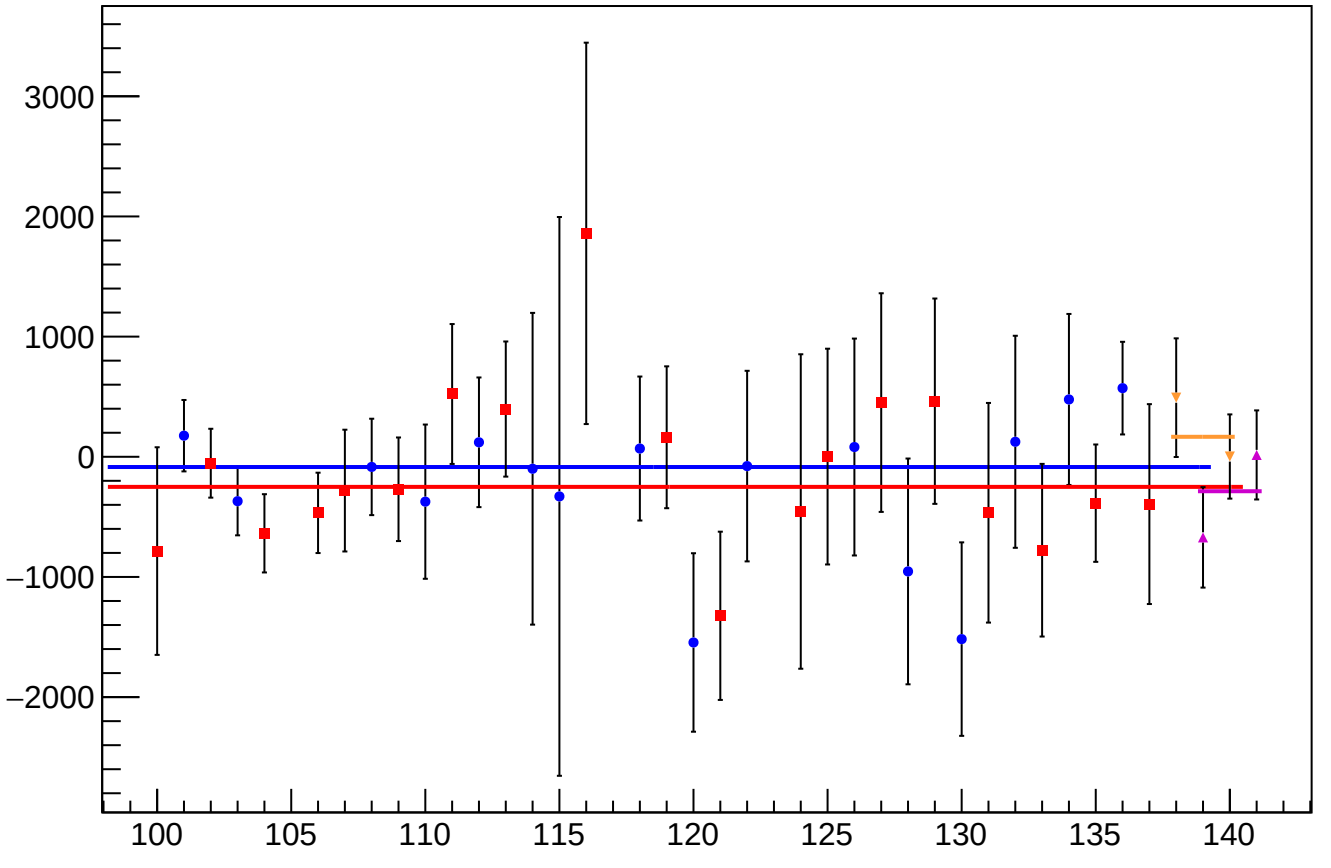
Left: 71.734+/-0.028 χ^2/NDF: 31918.5/3

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.728+/-0.017 χ^2/NDF:273349.1/17

Out: 72.337+/-0.017 χ^2/NDF:344993.7/20

All: 70.990+/-0.012 χ^2/NDF: 630224.4/38



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 166.297+/-285.771 χ^2/NDF:0.7/1

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -286.666+/-277.302 χ^2/NDF:1.5/1

Left: -66.995+/-199.009 χ^2/NDF: 3.5/3

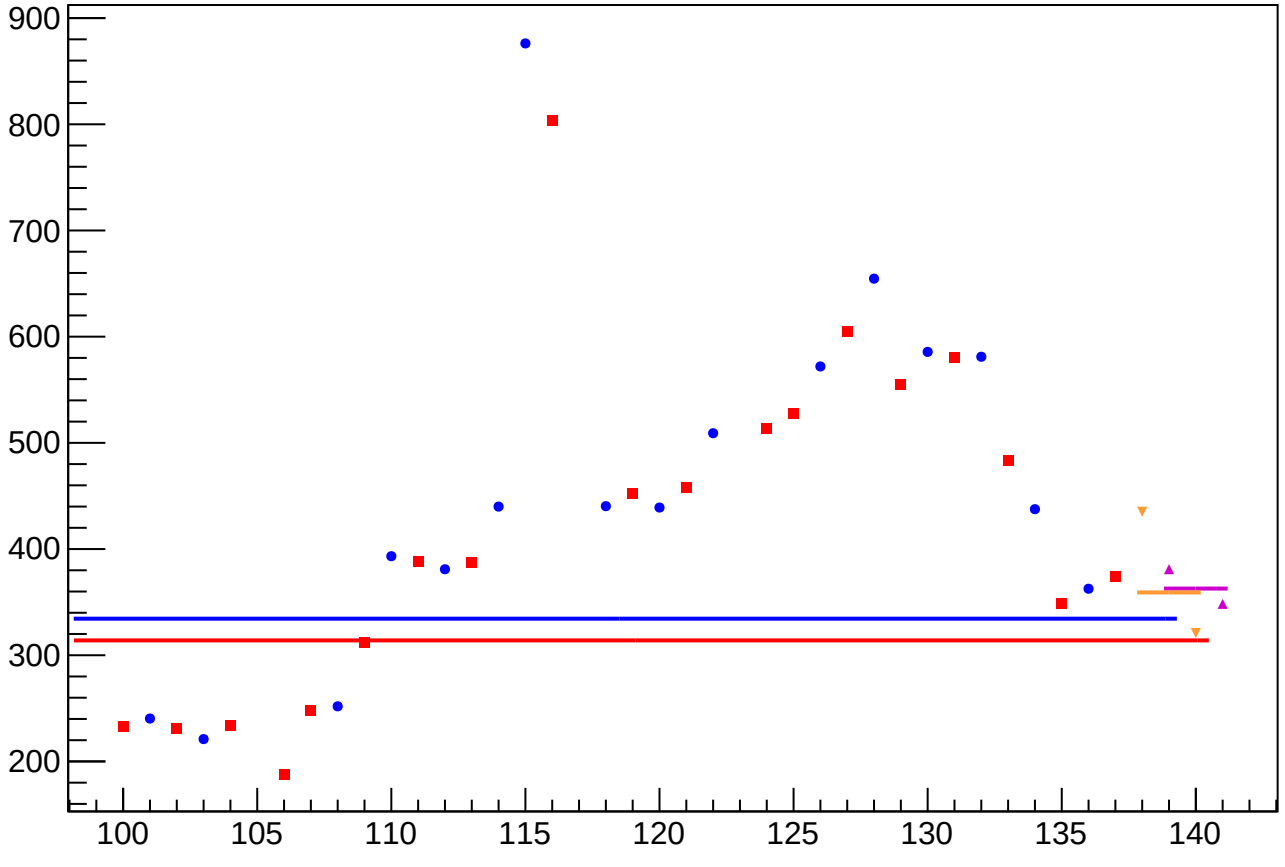
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -122.808+/-119.830 χ^2/NDF:15.6/17

Out: -185.034+/-113.213 χ^2/NDF:14.9/20

All: -155.686+/-82.294 χ^2/NDF: 30.7/38

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 359.147+/-0.202 χ^2/NDF:71176.9/1

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 362.796+/-0.196 χ^2/NDF:6850.0/1

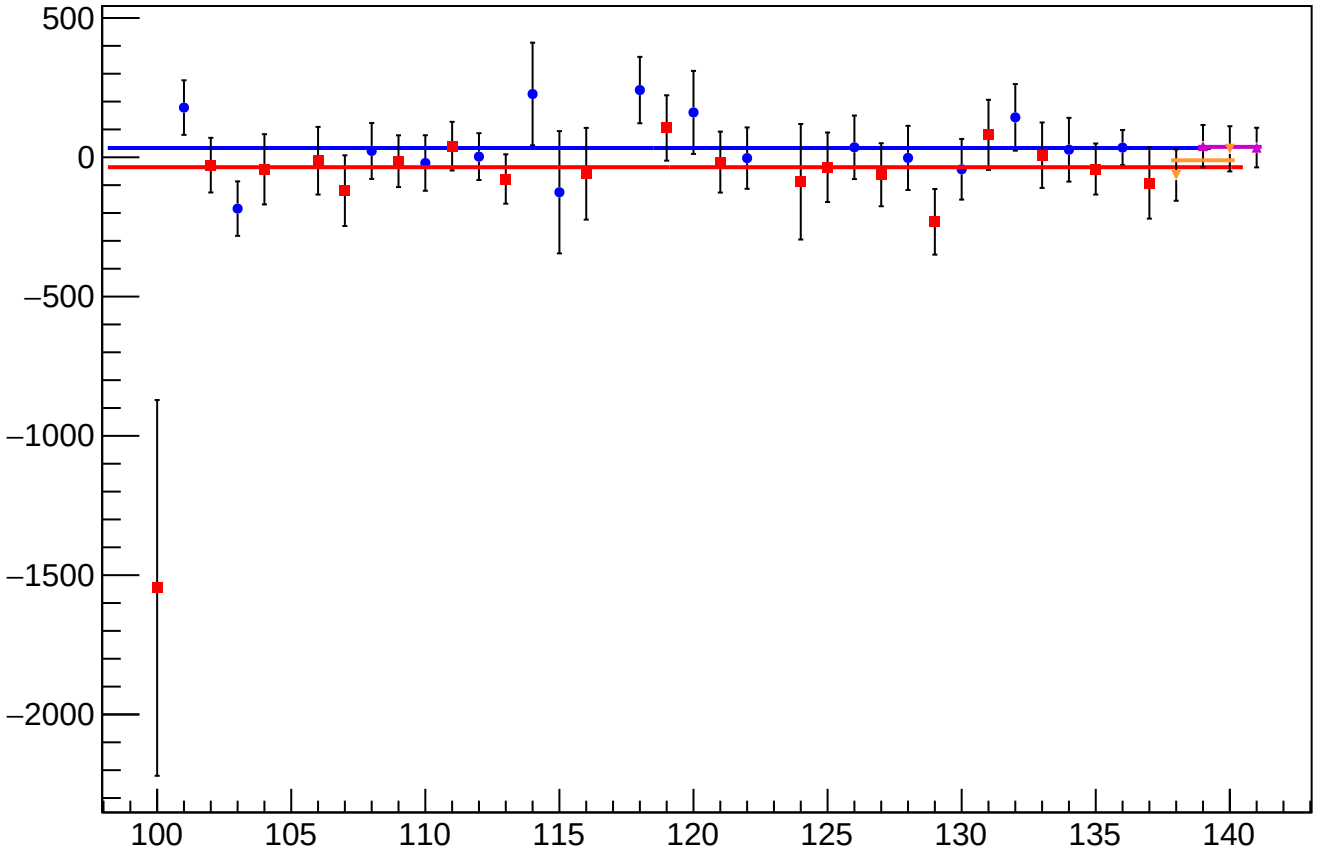
Left: 361.026+/-0.141 χ^2/NDF: 78194.9/3

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 339.728+/-0.085 χ^2/NDF:1754478.9/17

Out: 321.061+/-0.080 χ^2/NDF:2017919.4/20

All: 329.865+/-0.058 χ^2/NDF: 3798040.3/38



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: -10.731+/-60.867 χ^2/NDF:0.6/1

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 37.334+/-51.869 χ^2/NDF:0.0/1

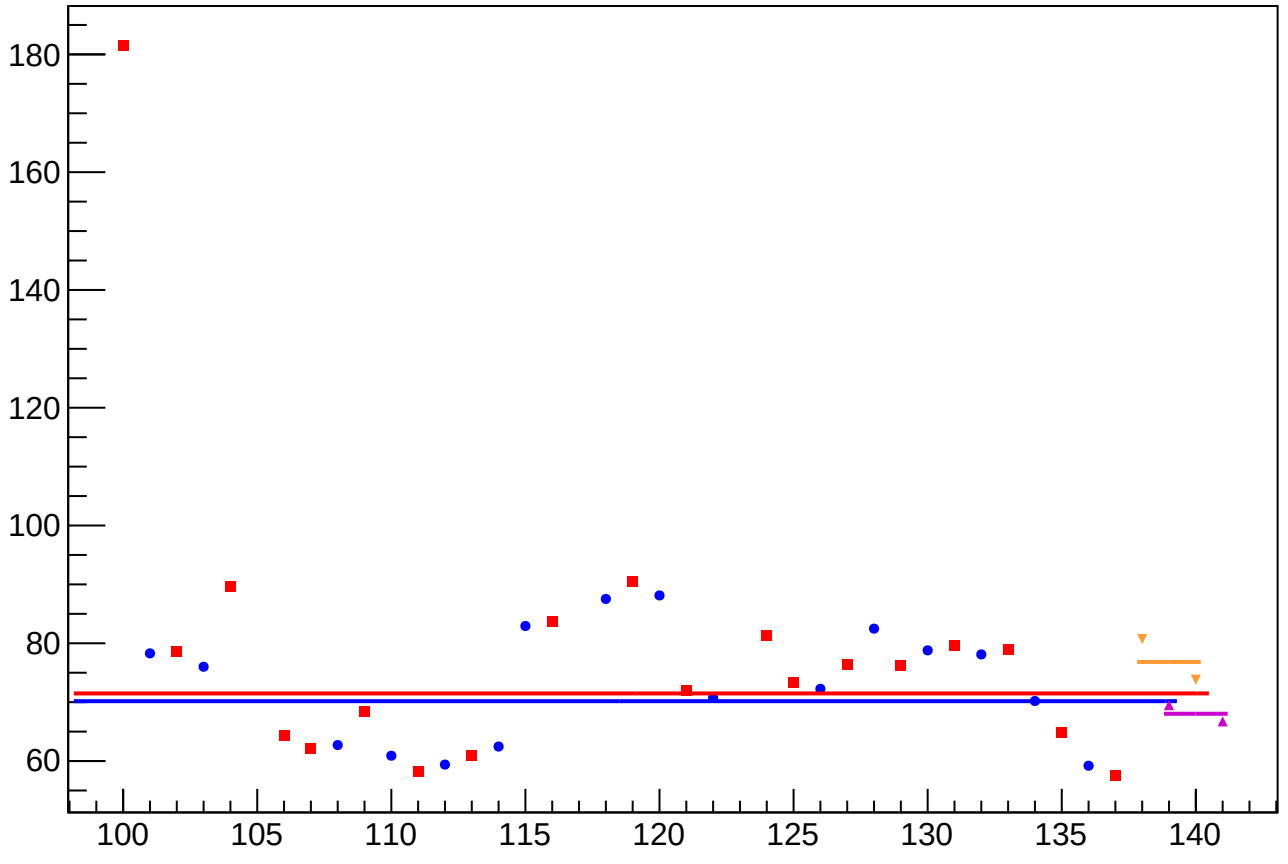
Left: 17.113+/-39.479 χ^2/NDF: 1.0/3

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 34.208+/-23.538 χ^2/NDF:14.5/17

Out: -31.609+/-24.325 χ^2/NDF:12.8/20

All: 2.381+/-16.915 χ^2/NDF: 31.2/38



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 76.829+/-0.043 χ^2/NDF:6313.4/1

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.034+/-0.037 χ^2/NDF:1412.4/1

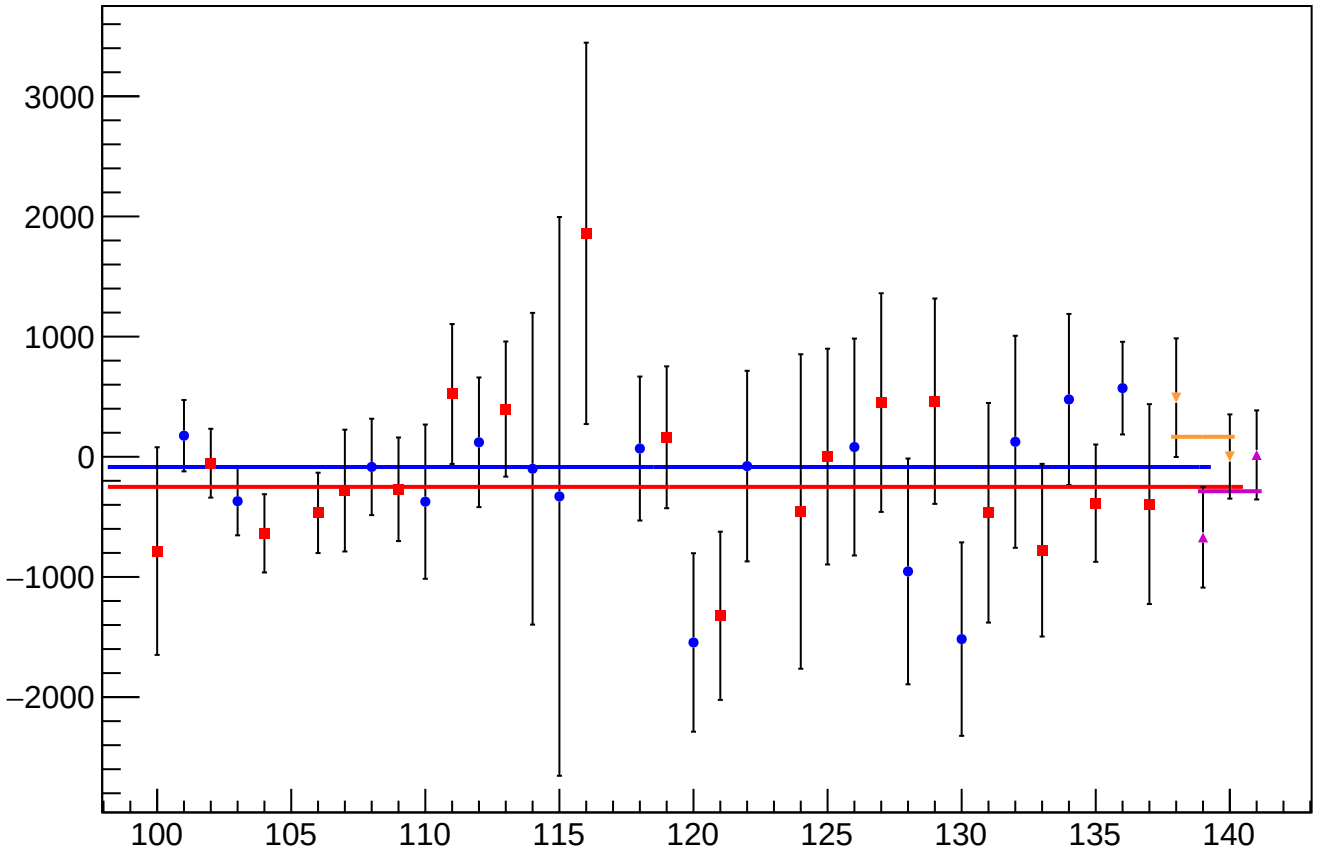
Left: 71.734+/-0.028 χ^2/NDF: 31918.6/3

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.728+/-0.017 χ^2/NDF:273353.2/17

Out: 72.337+/-0.017 χ^2/NDF:344998.3/20

All: 70.990+/-0.012 χ^2/NDF: 630233.2/38



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 166.297+/-285.770 χ^2/NDF:0.7/1

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -286.665+/-277.302 χ^2/NDF:1.5/1

Left: -66.995+/-199.008 χ^2/NDF: 3.5/3

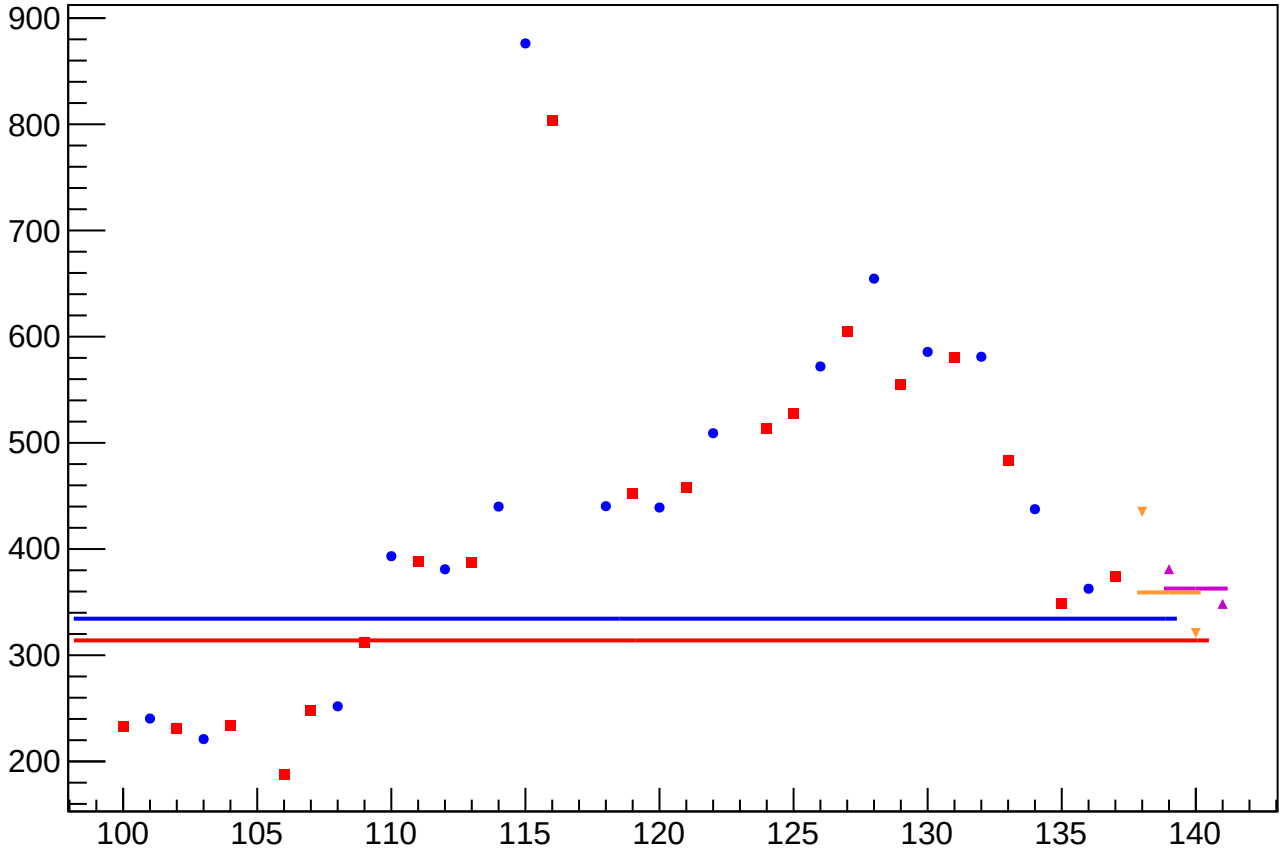
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -122.809+/-119.830 χ^2/NDF:15.6/17

Out: -185.034+/-113.213 χ^2/NDF:14.9/20

All: -155.687+/-82.293 χ^2/NDF: 30.7/38

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 359.146+/-0.202 χ^2/NDF:71176.6/1

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 362.796+/-0.196 χ^2/NDF:6850.2/1

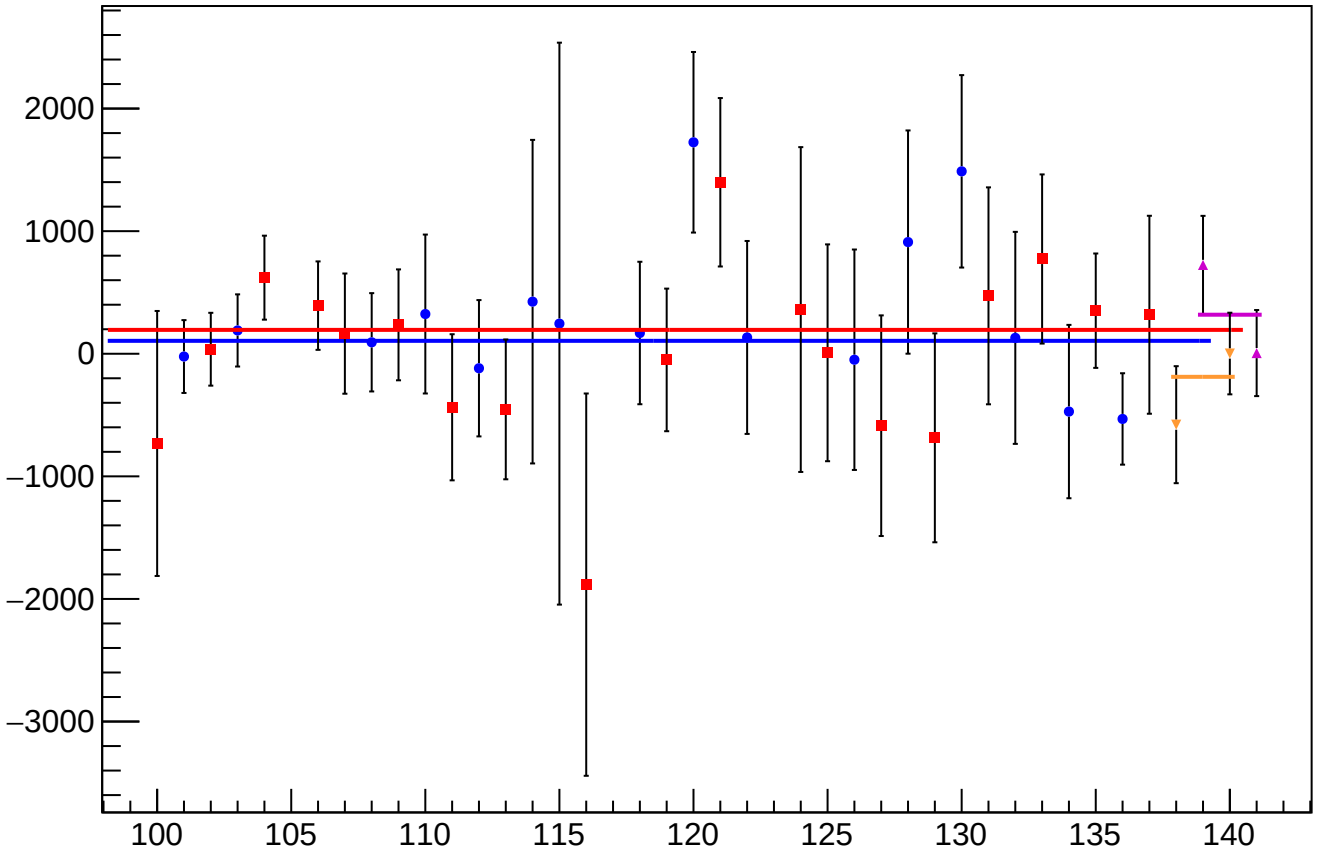
Left: 361.026+/-0.141 χ^2/NDF: 78194.7/3

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 339.728+/-0.085 χ^2/NDF:1754477.4/17

Out: 321.061+/-0.080 χ^2/NDF:2017916.2/20

All: 329.865+/-0.058 χ^2/NDF: 3798036.2/38



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -188.195+/-273.045 χ^2/NDF:1.0/1

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 318.440+/-263.879 χ^2/NDF:1.8/1

Left: 73.770+/-189.749 χ^2/NDF: 4.6/3

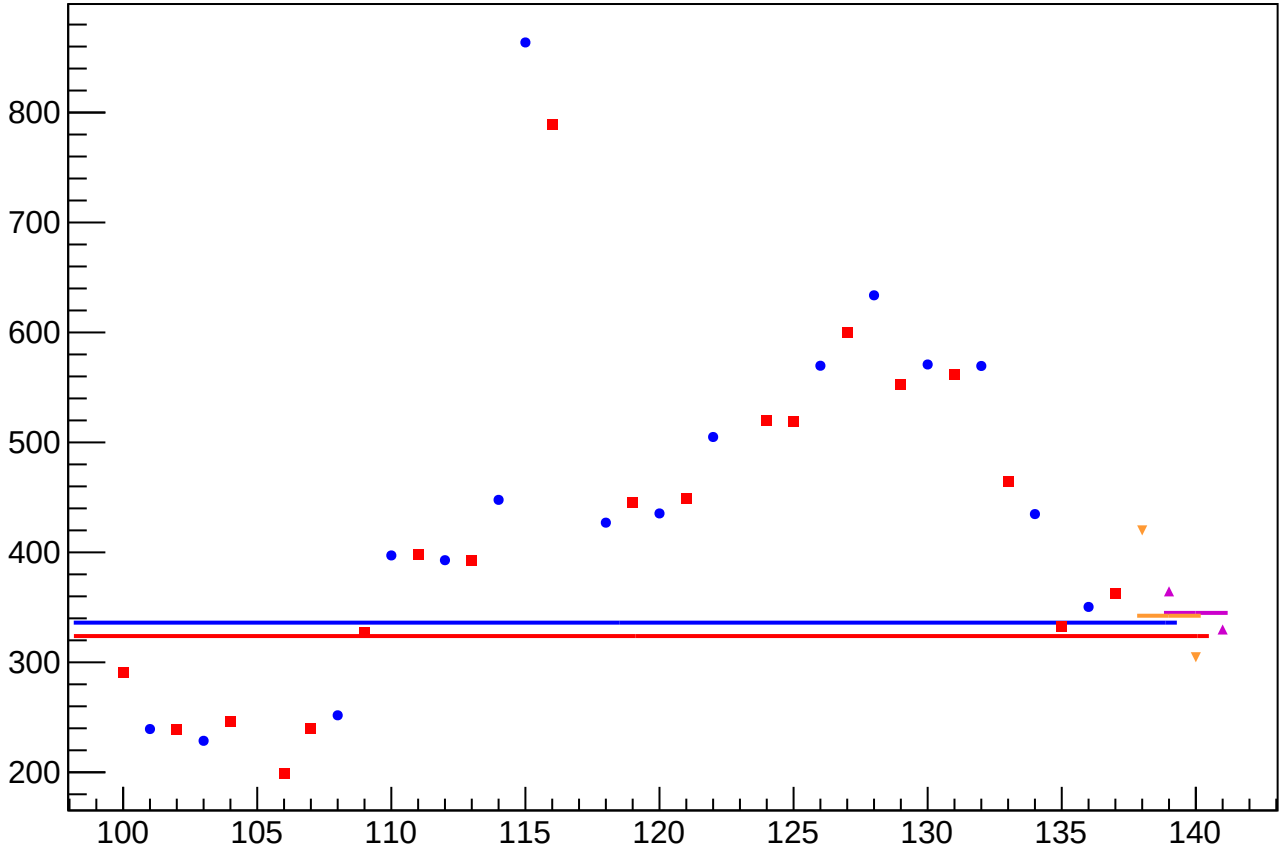
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 148.572+/-118.800 χ^2/NDF:15.3/17

Out: 127.314+/-114.555 χ^2/NDF:15.8/20

All: 137.556+/-82.462 χ^2/NDF: 31.1/38

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 342.380+/-0.193 χ^2/NDF:78621.6/1

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 344.960+/-0.187 χ^2/NDF:8493.8/1

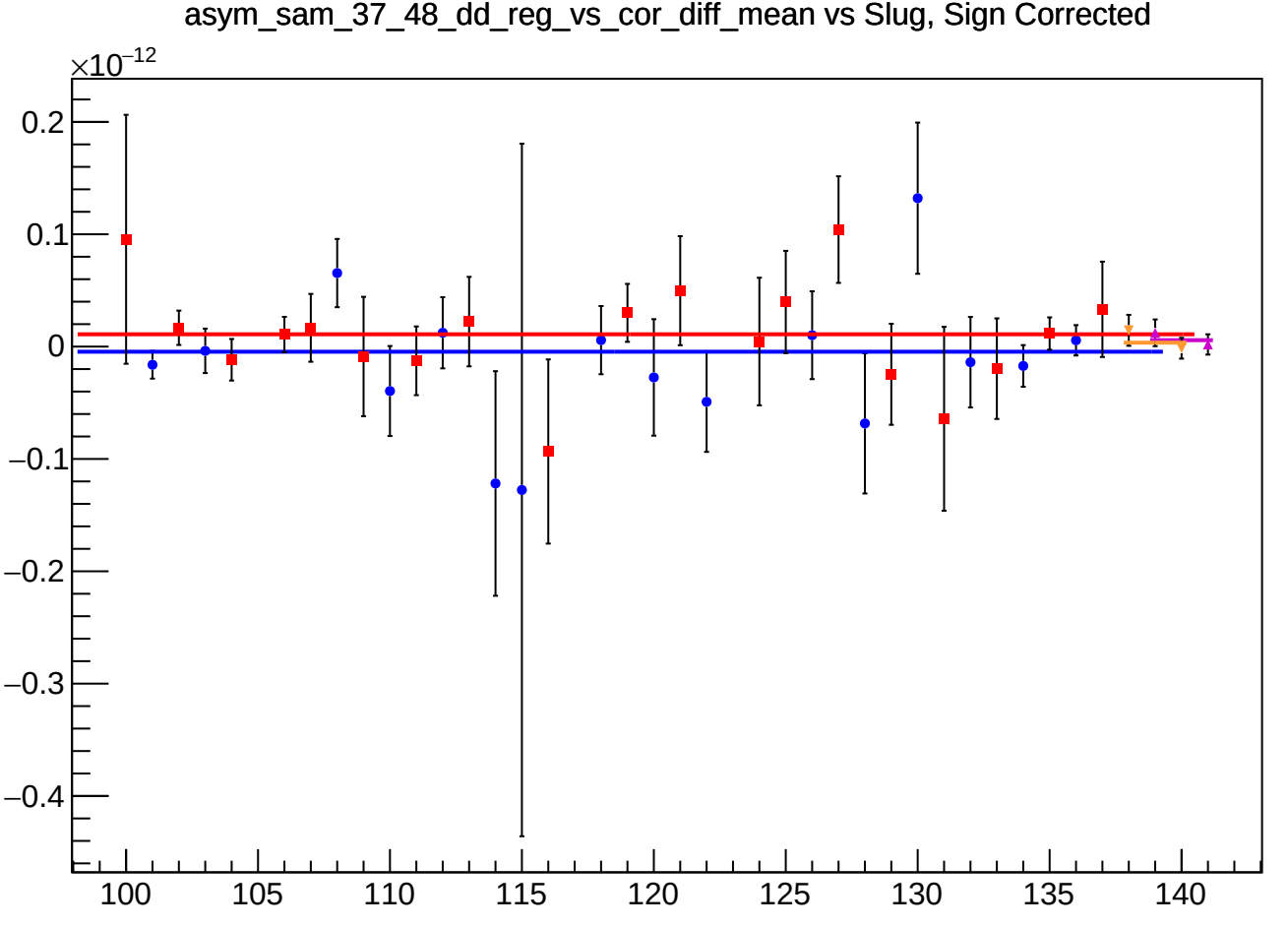
Left: 343.714+/-0.134 χ^2/NDF: 87207.7/3

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 337.889+/-0.084 χ^2/NDF:1629292.0/17

Out: 327.141+/-0.081 χ^2/NDF:1751602.8/20

All: 332.320+/-0.058 χ^2/NDF: 3389379.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

Left: 0.000+/-0.000 χ^2/NDF: 1.4/3

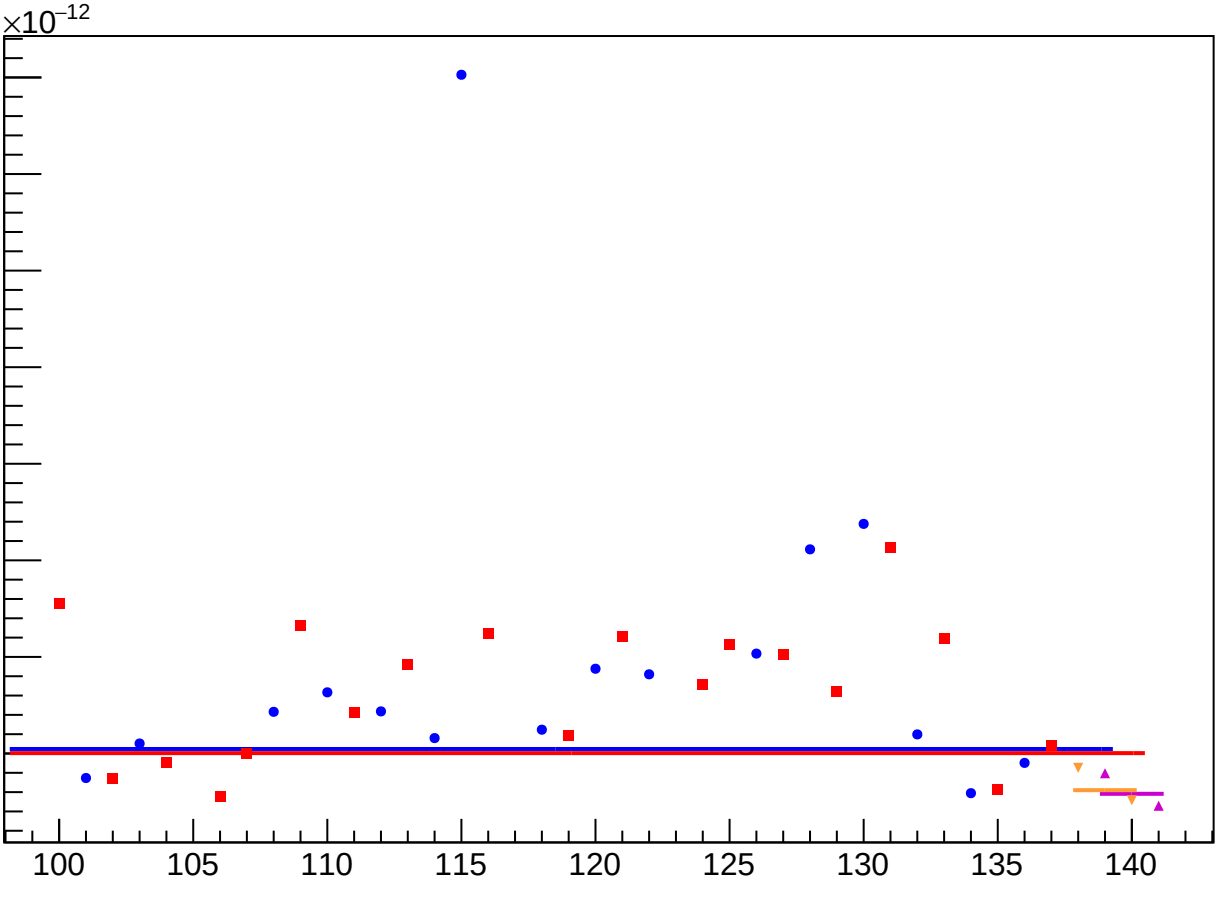
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:18.1/17

Out: 0.000+/-0.000 χ^2/NDF:13.8/20

All: 0.000+/-0.000 χ^2/NDF: 33.3/38

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:81810.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:101646.5/1

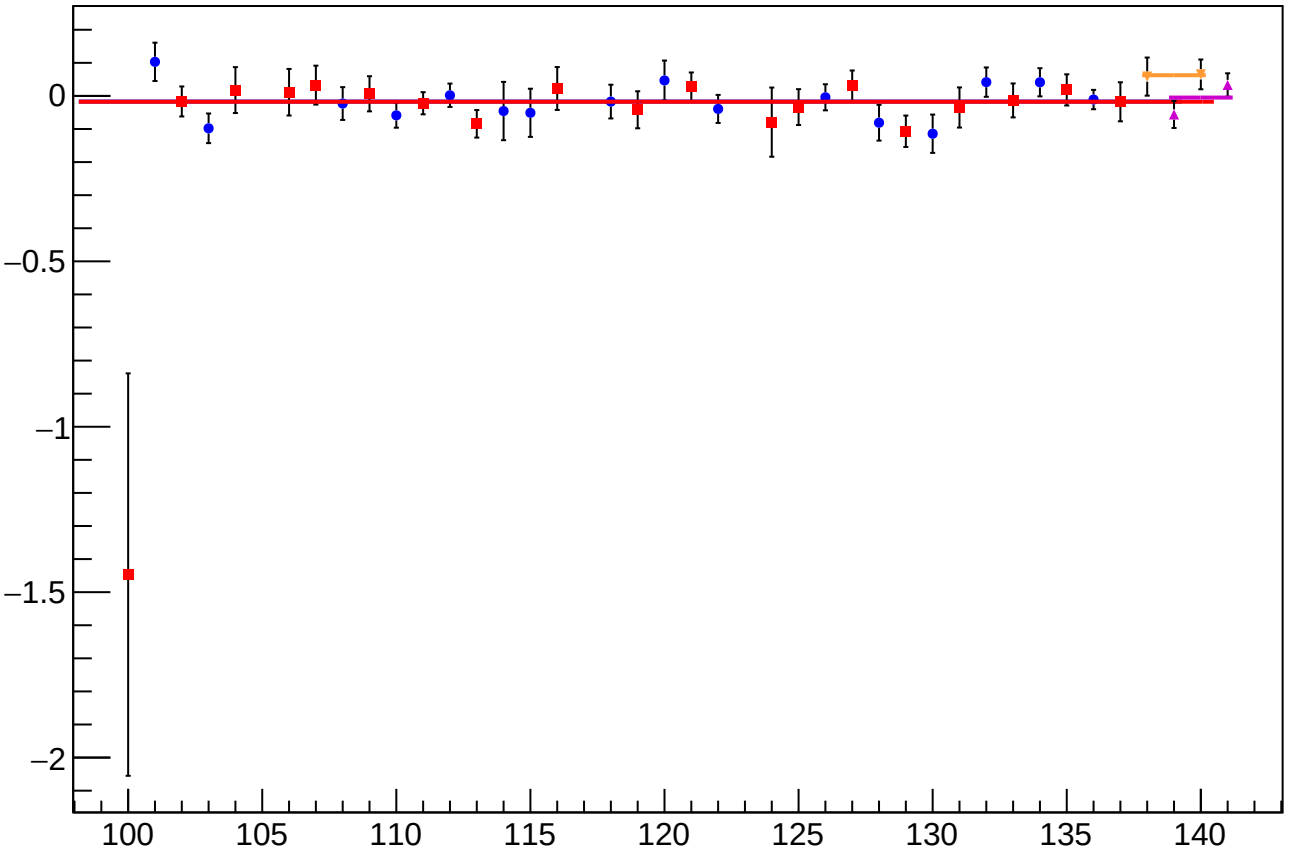
Left: 0.000+/-0.000 χ^2/NDF: 186012.4/3

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:1746798.7/17

Out: 0.000+/-0.000 χ^2/NDF:1791574.0/20

All: 0.000+/-0.000 χ^2/NDF: 3538527.0/38



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.063+/-0.035 χ^2/NDF:0.0/1

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.005+/-0.027 χ^2/NDF:2.7/1

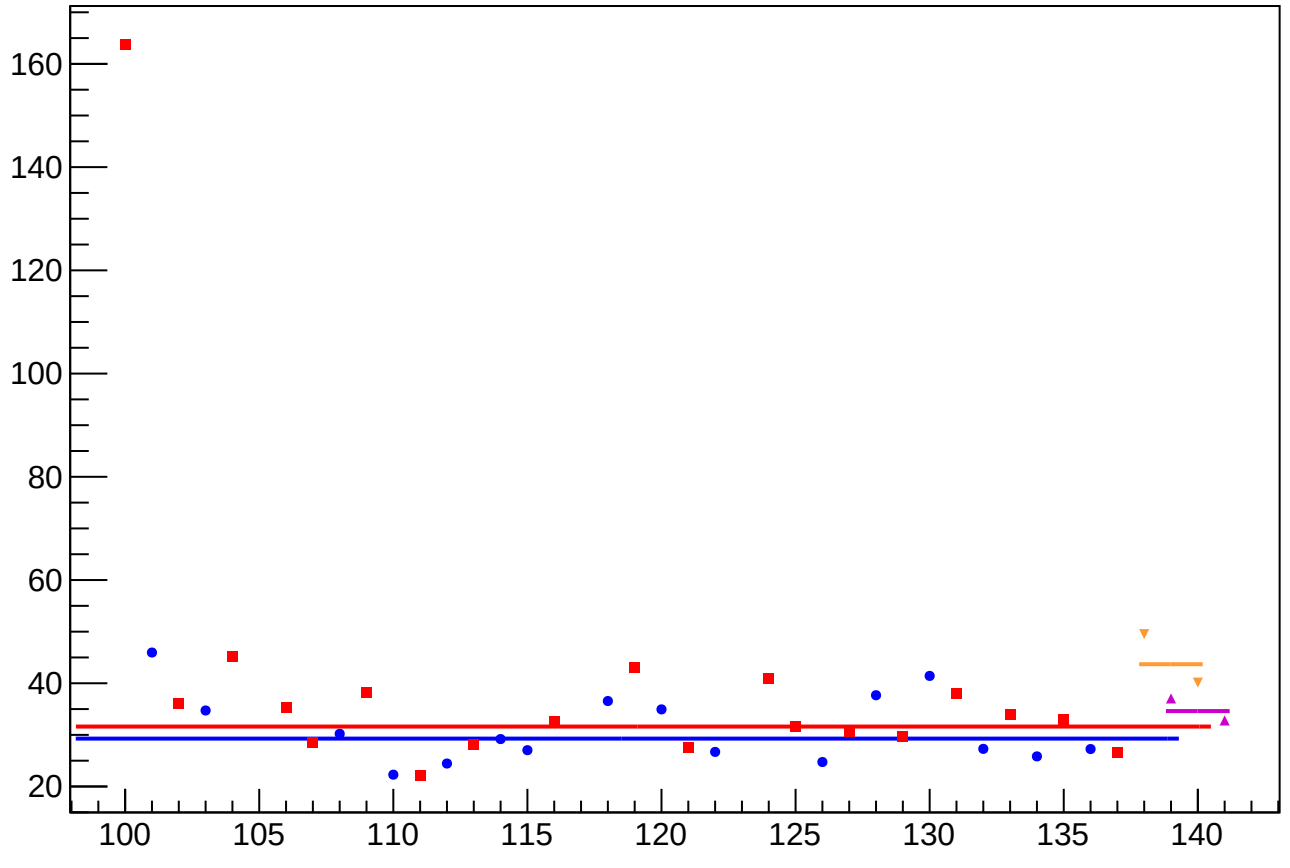
Left: 0.019+/-0.021 χ^2/NDF: 5.1/3

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.015+/-0.010 χ^2/NDF:21.7/17

Out: -0.009+/-0.011 χ^2/NDF:21.4/20

All: -0.012+/-0.008 χ^2/NDF: 43.3/38



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 43.685+/-0.025 χ^2/NDF:32992.1/1

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 34.616+/-0.019 χ^2/NDF:12514.6/1

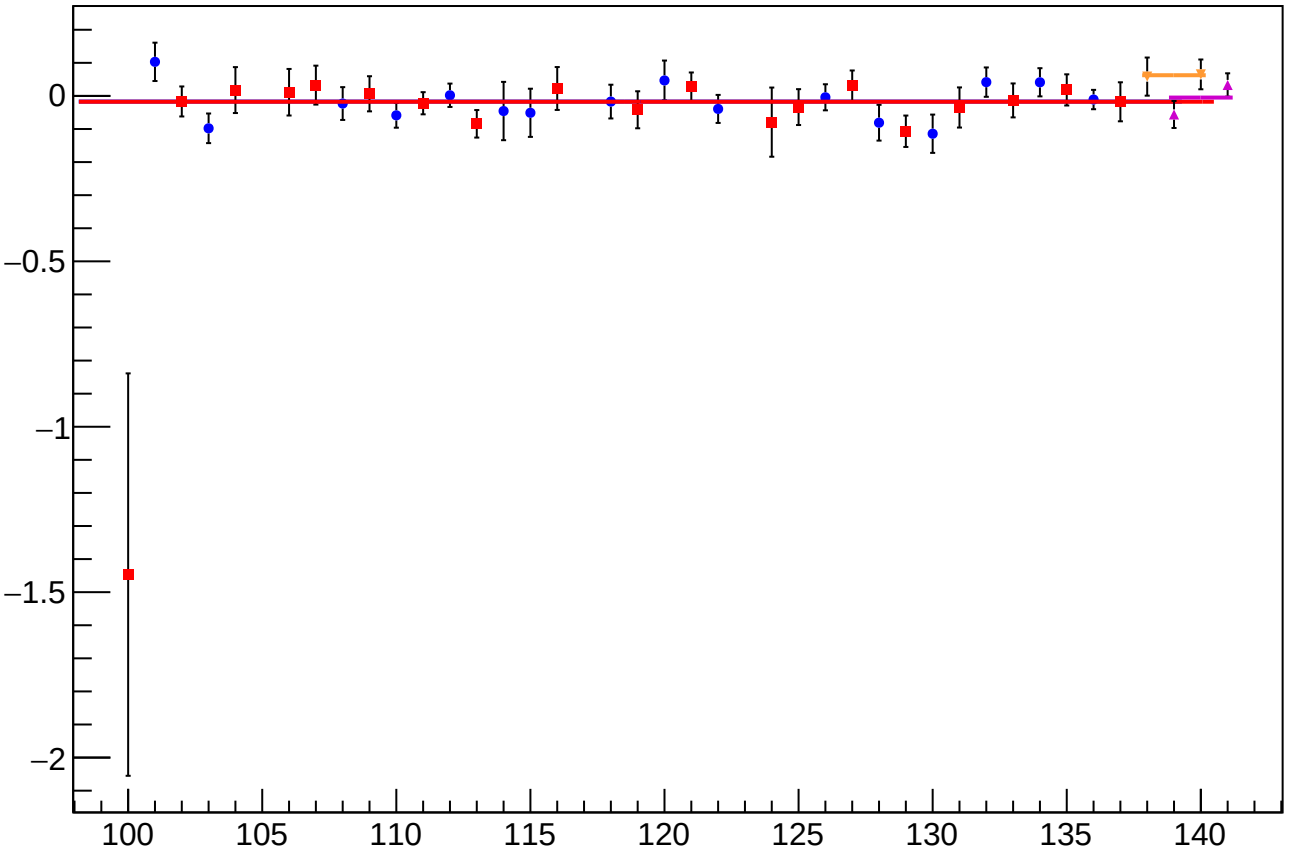
Left: 37.897+/-0.015 χ^2/NDF: 129000.3/3

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 30.095+/-0.007 χ^2/NDF:640858.1/17

Out: 32.872+/-0.008 χ^2/NDF:812795.7/20

All: 31.355+/-0.005 χ^2/NDF: 1517903.8/38



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.063+/-0.035 χ^2/NDF:0.0/1

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.005+/-0.027 χ^2/NDF:2.7/1

Left: 0.019+/-0.021 χ^2/NDF: 5.1/3

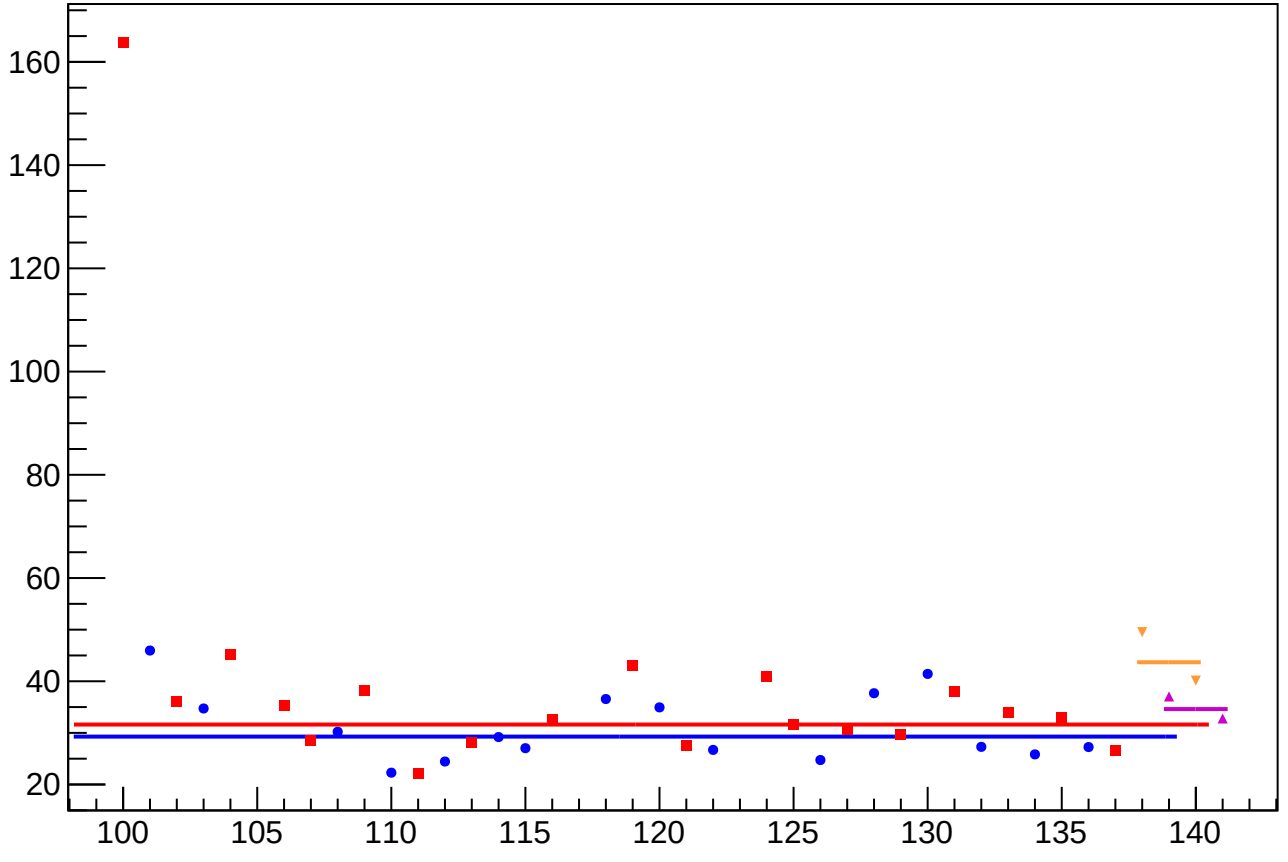
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.015+/-0.010 χ^2/NDF:21.7/17

Out: -0.009+/-0.011 χ^2/NDF:21.4/20

All: -0.012+/-0.008 χ^2/NDF: 43.3/38

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 43.685+/-0.025 χ^2/NDF:32992.1/1

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 34.616+/-0.019 χ^2/NDF:12514.6/1

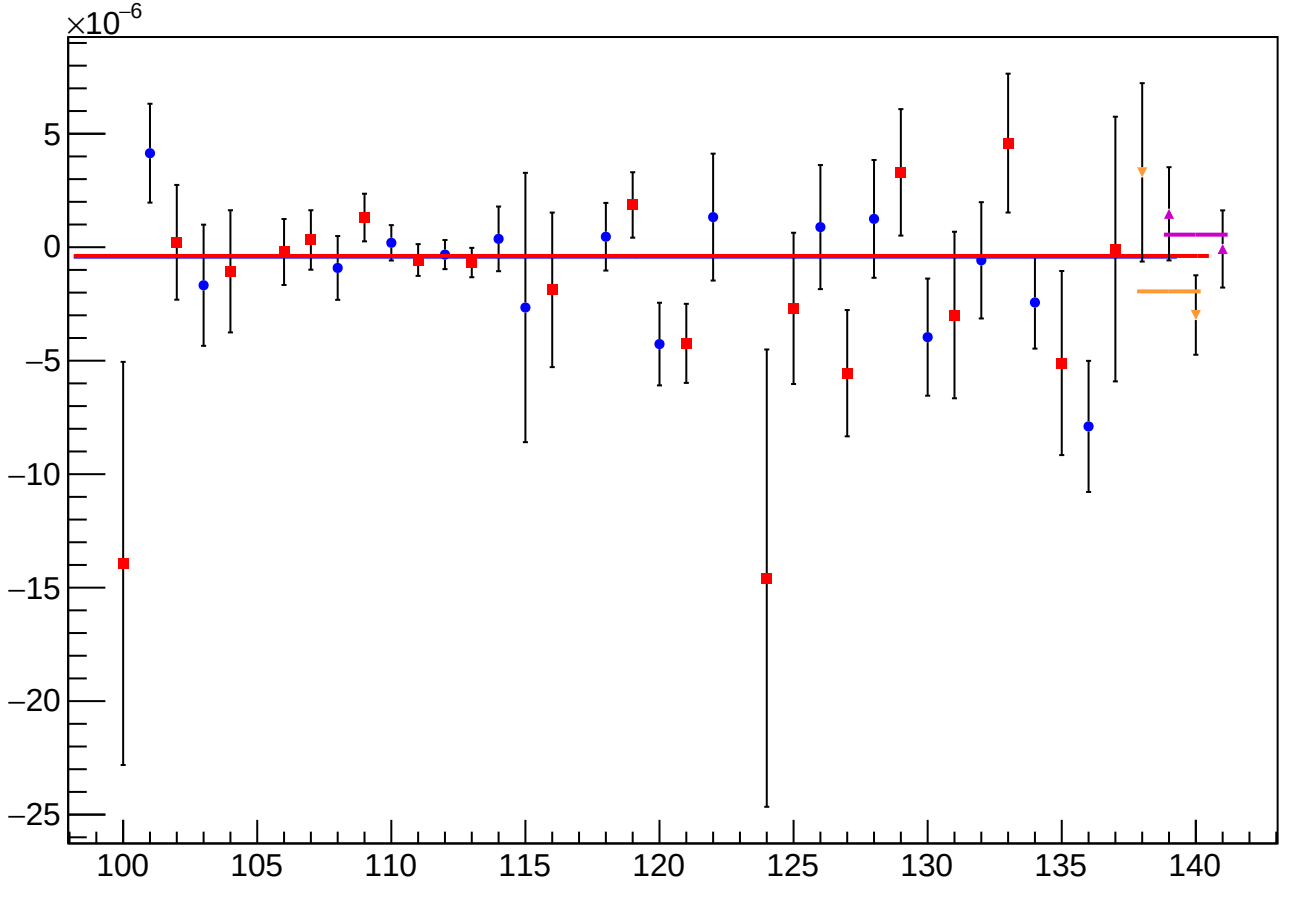
Left: 37.897+/-0.015 χ^2/NDF: 129000.3/3

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 30.095+/-0.007 χ^2/NDF:640858.1/17

Out: 32.872+/-0.008 χ^2/NDF:812795.7/20

All: 31.355+/-0.005 χ^2/NDF: 1517903.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

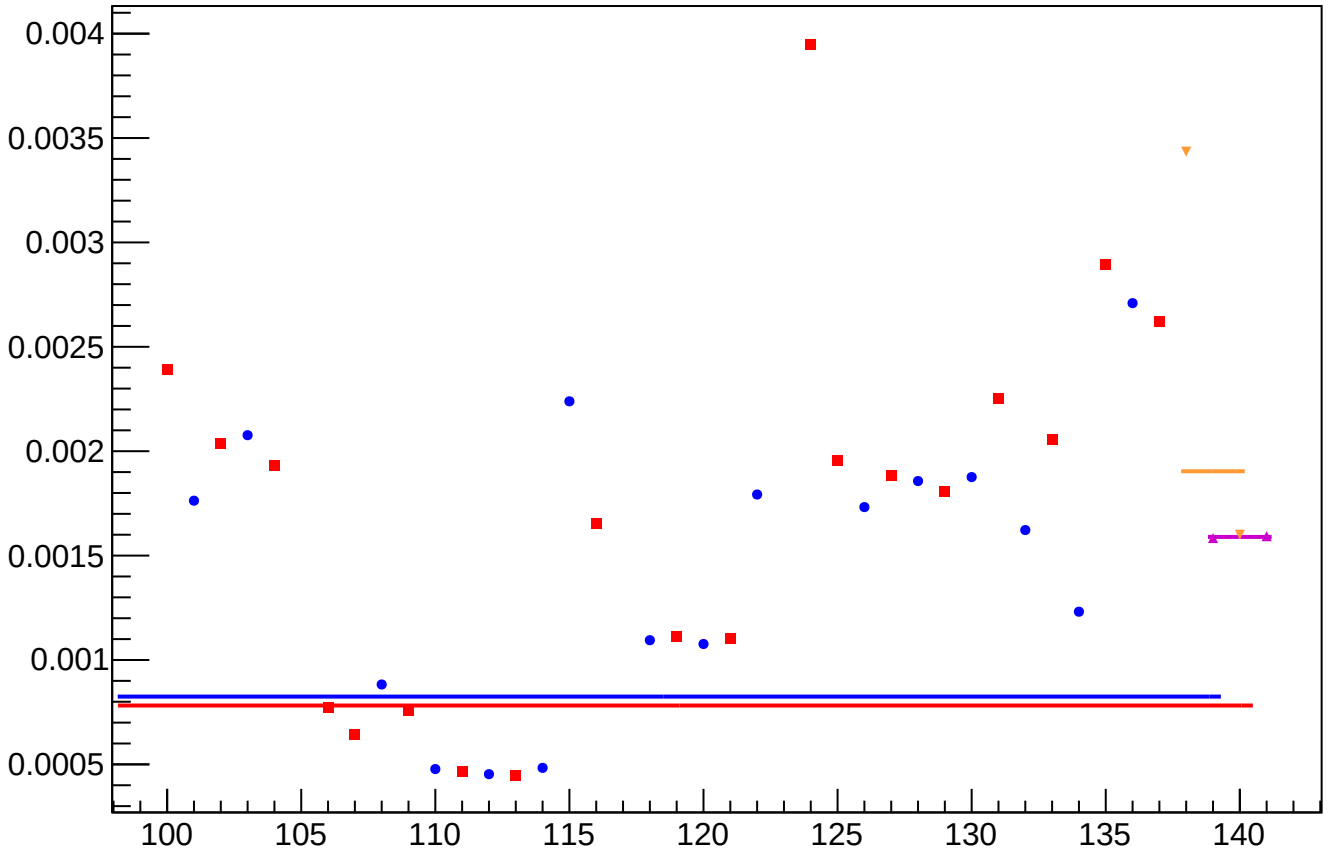
Left: -0.000+/-0.000 χ^2/NDF: 3.9/3

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:22.1/17

Out: -0.000+/-0.000 χ^2/NDF:28.3/20

All: -0.000+/-0.000 χ^2/NDF: 50.5/38



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:363628.6/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.002+/-0.000 χ^2/NDF:21.7/1

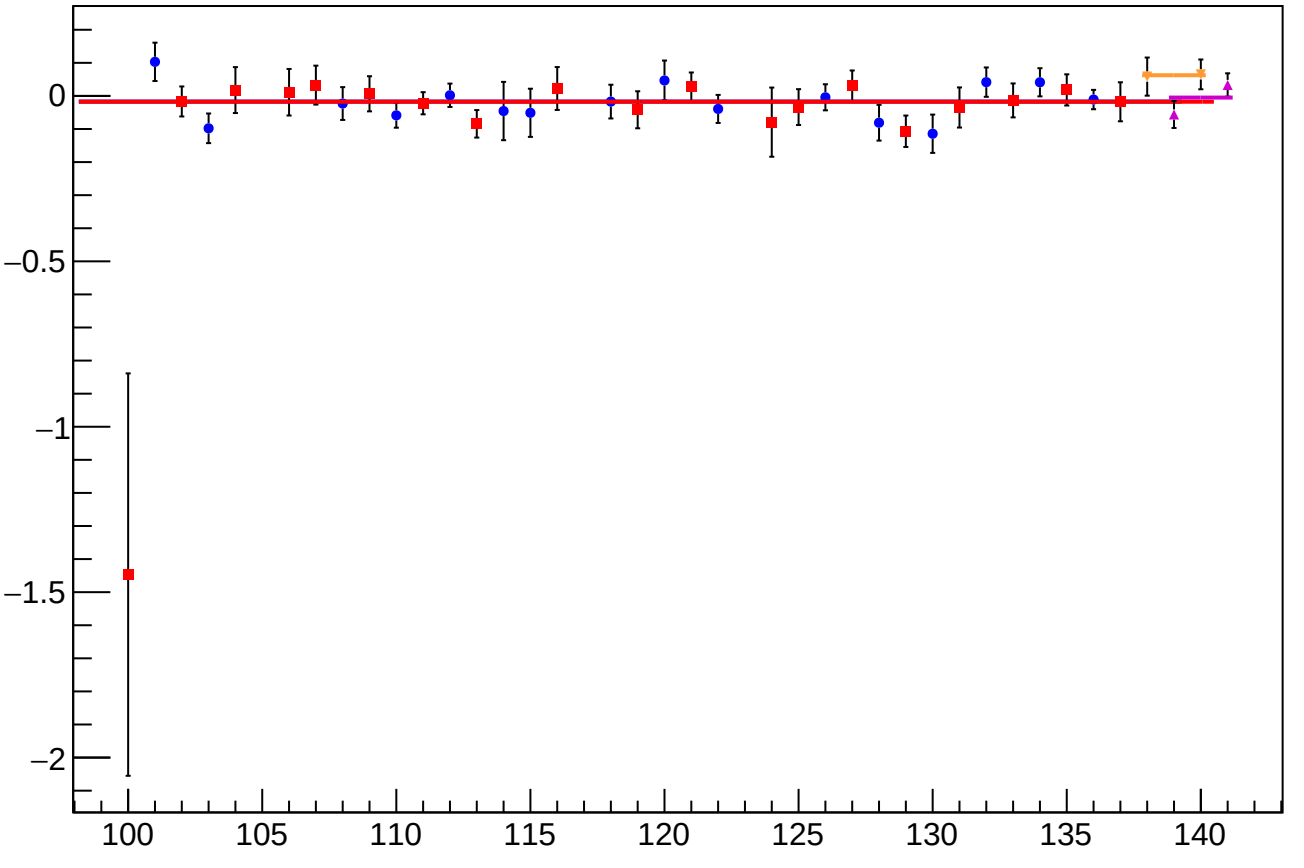
Left: 0.002+/-0.000 χ^2/NDF: 409938.2/3

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:5079905.4/17

Out: 0.001+/-0.000 χ^2/NDF:5941691.9/20

All: 0.001+/-0.000 χ^2/NDF: 11040984.0/38



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.063+/-0.035 χ^2/NDF:0.0/1

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.005+/-0.027 χ^2/NDF:2.7/1

Left: 0.019+/-0.021 χ^2/NDF: 5.1/3

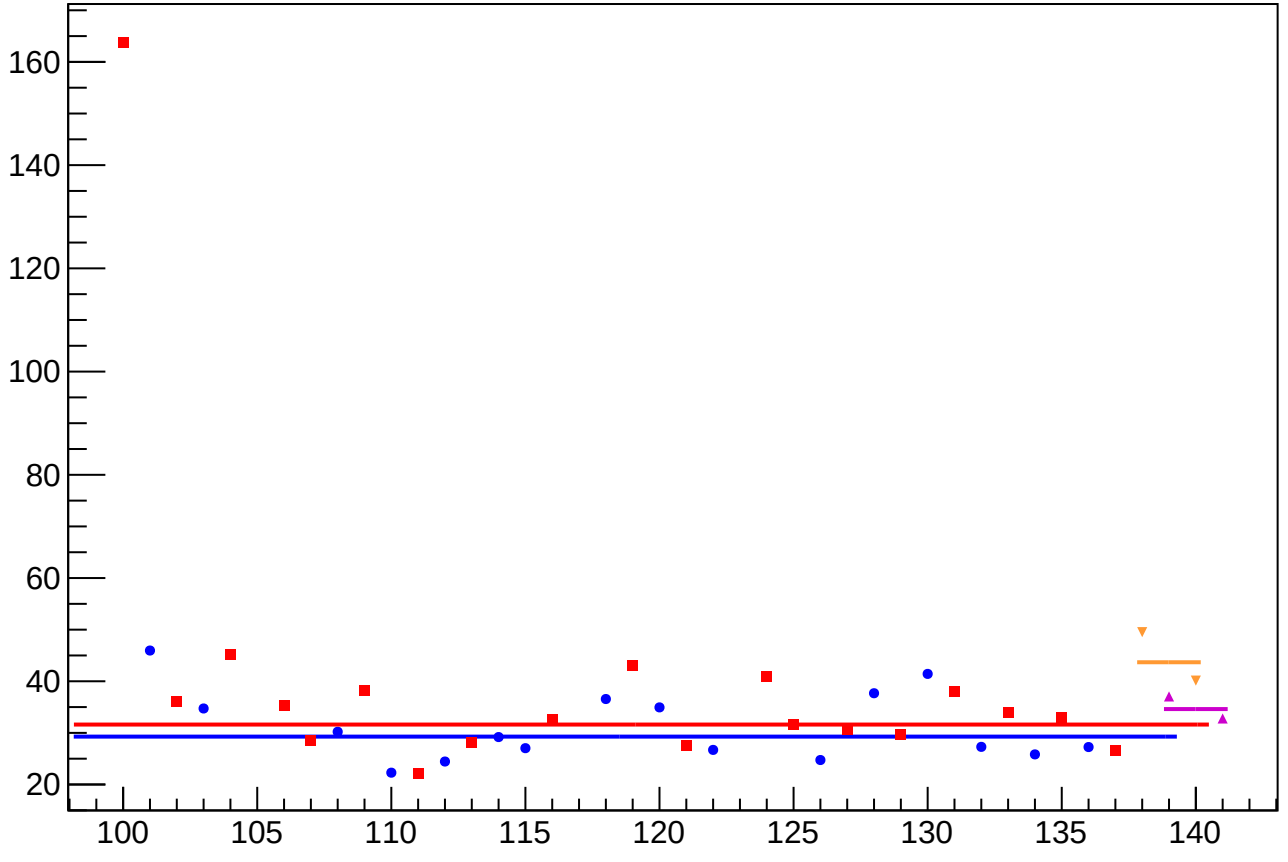
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.015+/-0.010 χ^2/NDF:21.7/17

Out: -0.009+/-0.011 χ^2/NDF:21.4/20

All: -0.012+/-0.008 χ^2/NDF: 43.3/38

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 43.685+/-0.025 χ^2/NDF:32992.8/1

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 34.615+/-0.019 χ^2/NDF:12515.0/1

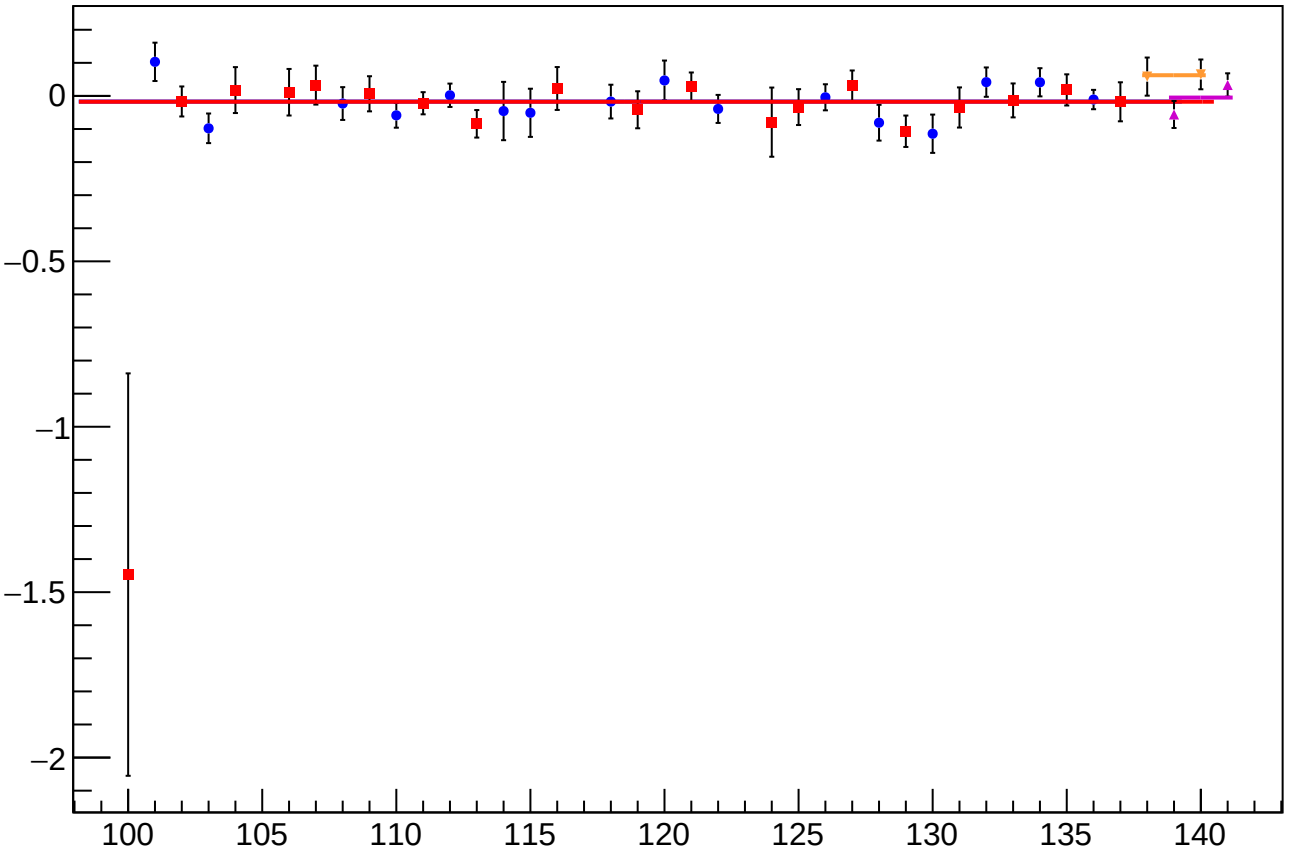
Left: 37.896+/-0.015 χ^2/NDF: 129004.1/3

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 30.095+/-0.007 χ^2/NDF:640837.8/17

Out: 32.872+/-0.008 χ^2/NDF:812763.8/20

All: 31.356+/-0.005 χ^2/NDF: 1517859.0/38



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.063+/-0.035 χ^2/NDF:0.0/1

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.005+/-0.027 χ^2/NDF:2.7/1

Left: 0.019+/-0.021 χ^2/NDF: 5.1/3

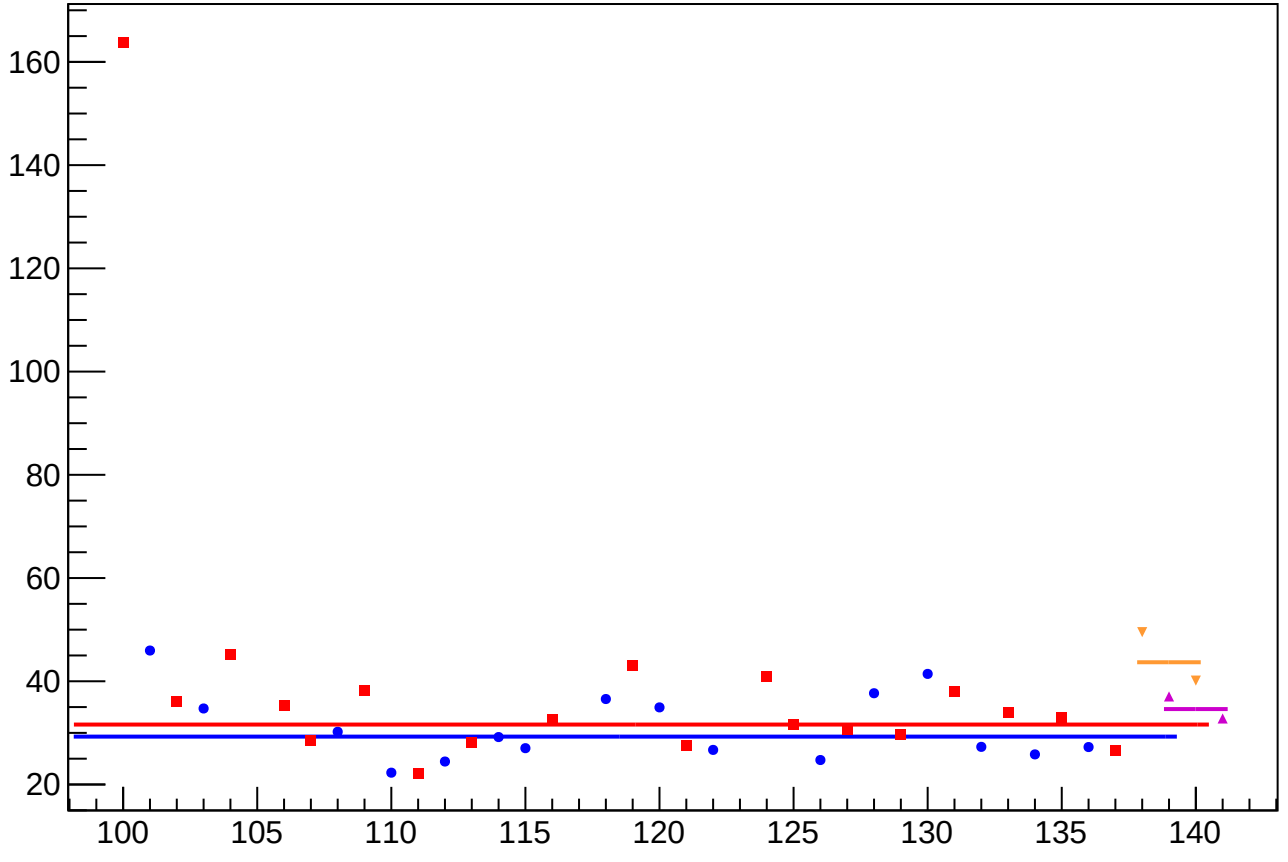
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.015+/-0.010 χ^2/NDF:21.7/17

Out: -0.009+/-0.011 χ^2/NDF:21.4/20

All: -0.012+/-0.008 χ^2/NDF: 43.3/38

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 43.685+/-0.025 χ^2/NDF:32992.8/1

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 34.615+/-0.019 χ^2/NDF:12515.0/1

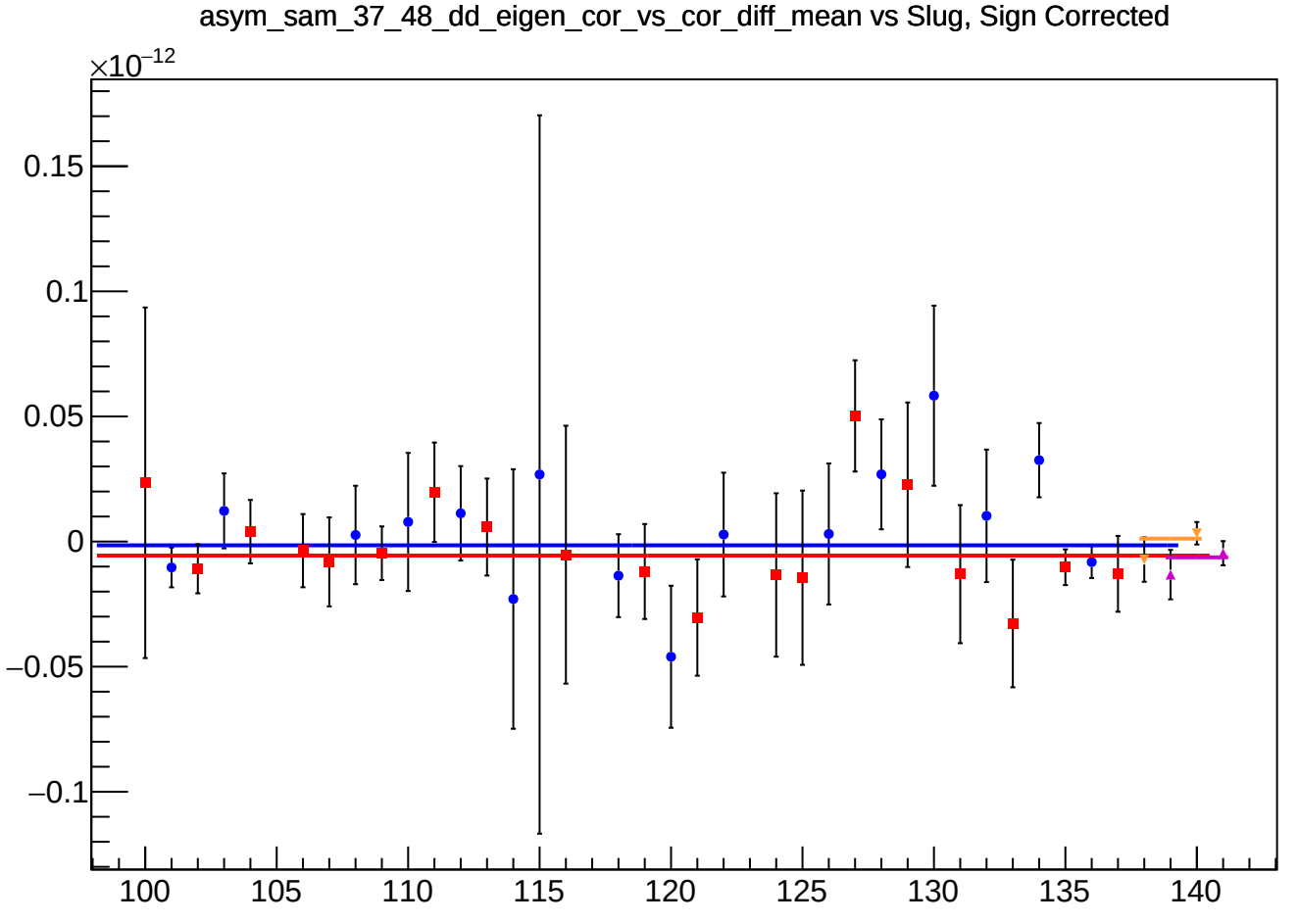
Left: 37.896+/-0.015 χ^2/NDF: 129004.1/3

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 30.095+/-0.007 χ^2/NDF:640837.8/17

Out: 32.872+/-0.008 χ^2/NDF:812763.8/20

All: 31.356+/-0.005 χ^2/NDF: 1517859.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/1

Left: -0.000+/-0.000 χ^2/NDF: 3.3/3

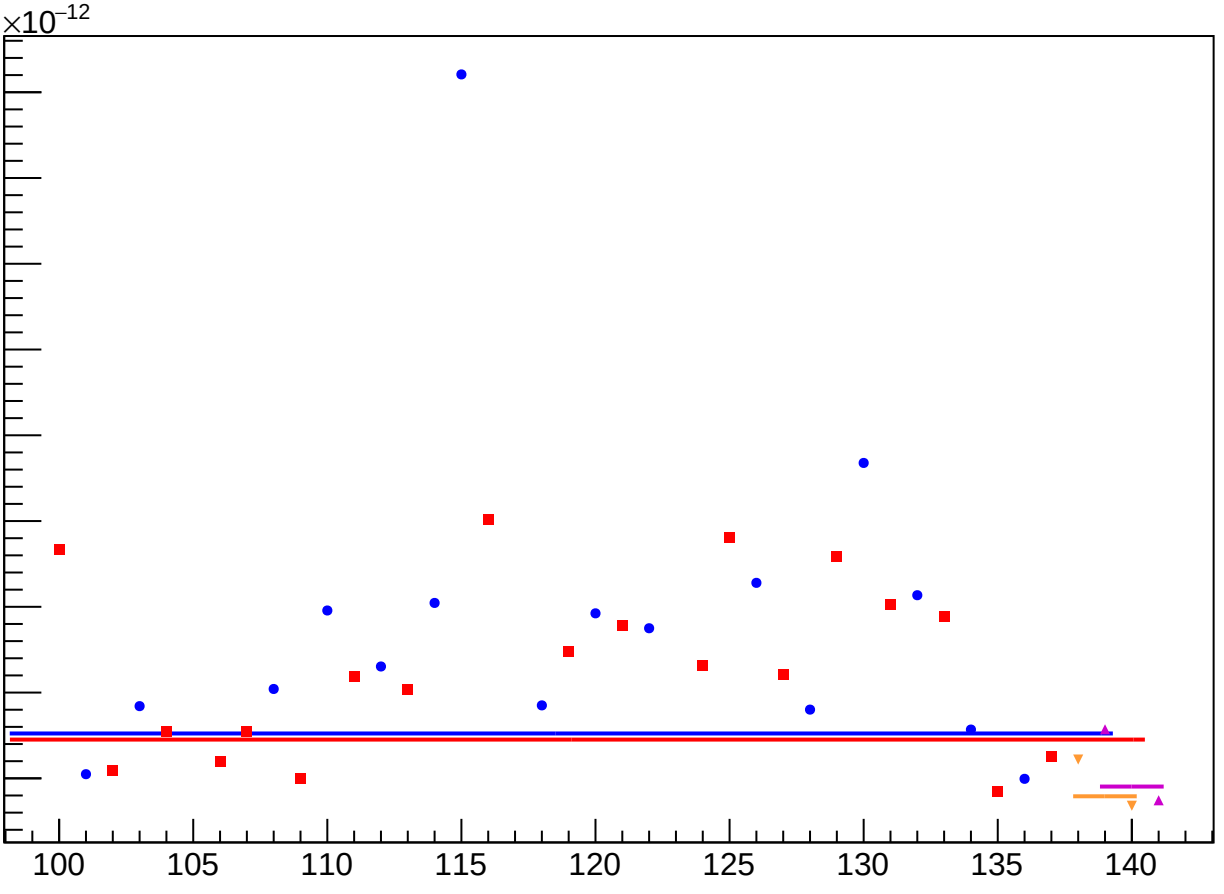
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:18.2/17

Out: -0.000+/-0.000 χ^2/NDF:16.0/20

All: -0.000+/-0.000 χ^2/NDF: 34.3/38

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:146889.5/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:283393.8/1

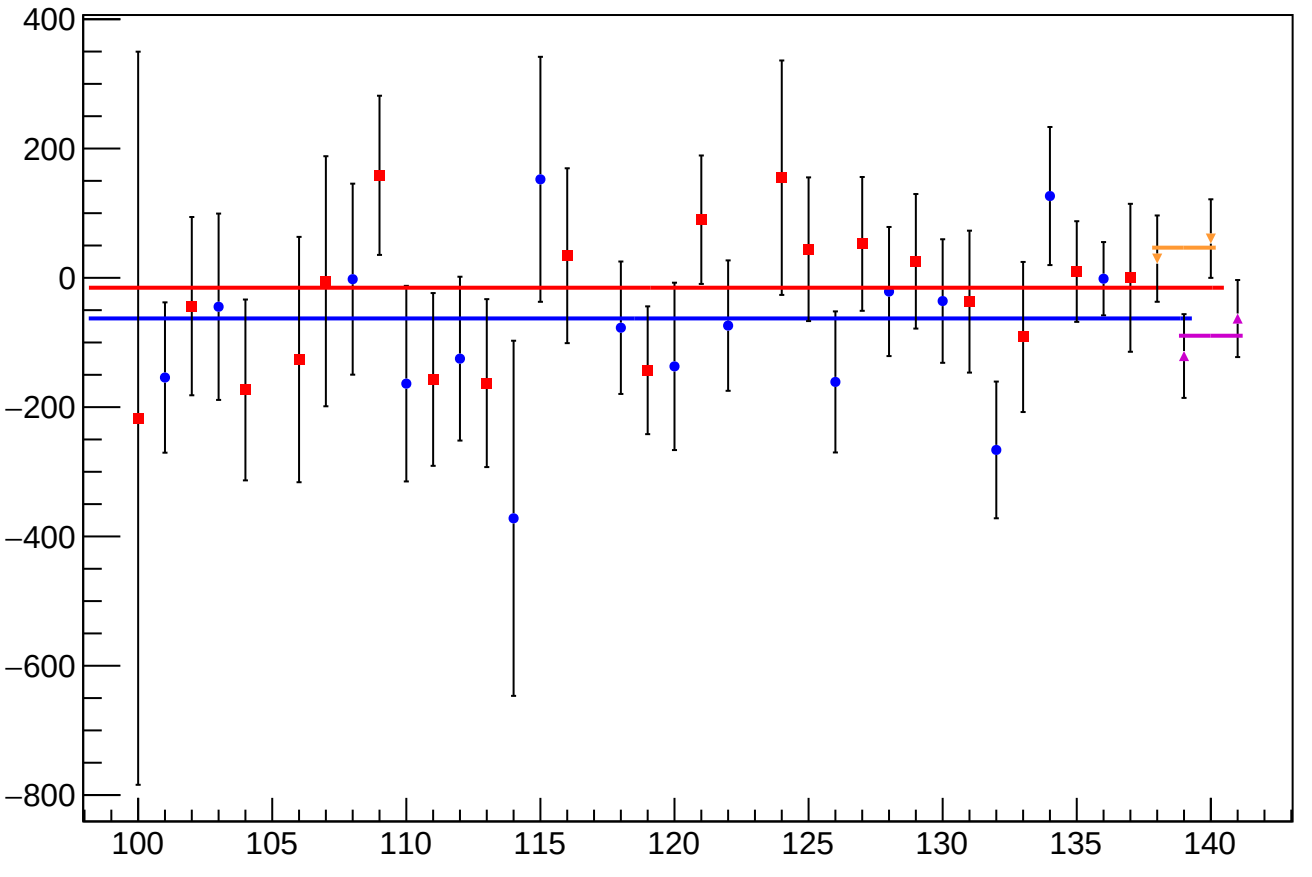
Left: 0.000+/-0.000 χ^2/NDF: 448743.1/3

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:2877303.5/17

Out: 0.000+/-0.000 χ^2/NDF:2888964.4/20

All: 0.000+/-0.000 χ^2/NDF: 5798862.2/38



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 46.671+/-44.936 χ^2/NDF:0.1/1

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -89.554+/-43.852 χ^2/NDF:0.4/1

Left: -23.104+/-31.384 χ^2/NDF: 5.3/3

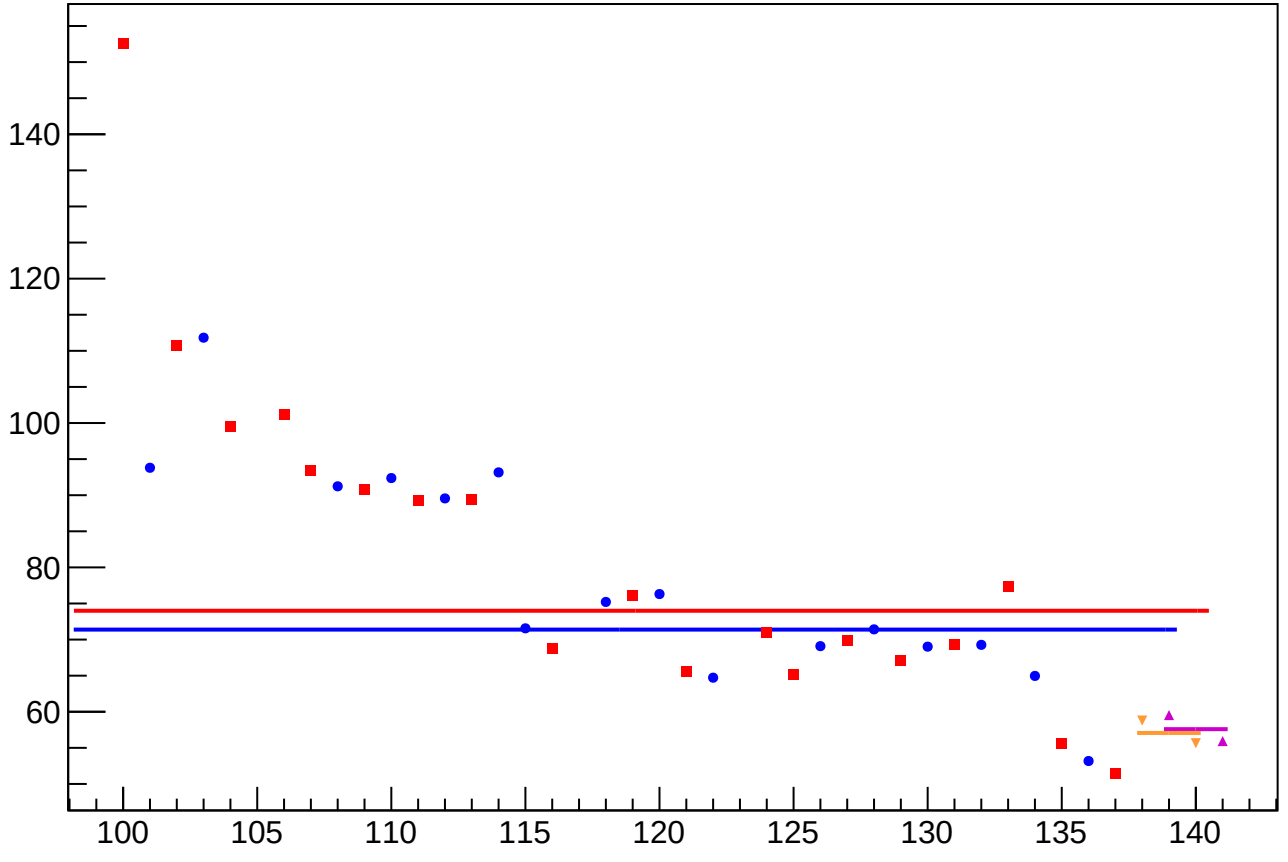
Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -70.237+/-23.123 χ^2/NDF:14.2/17

Out: 1.836+/-23.623 χ^2/NDF:13.0/20

All: -34.972+/-16.524 χ^2/NDF: 31.9/38

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 57.065+/-0.032 χ^2/NDF:2415.0/1

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 57.592+/-0.031 χ^2/NDF:3347.3/1

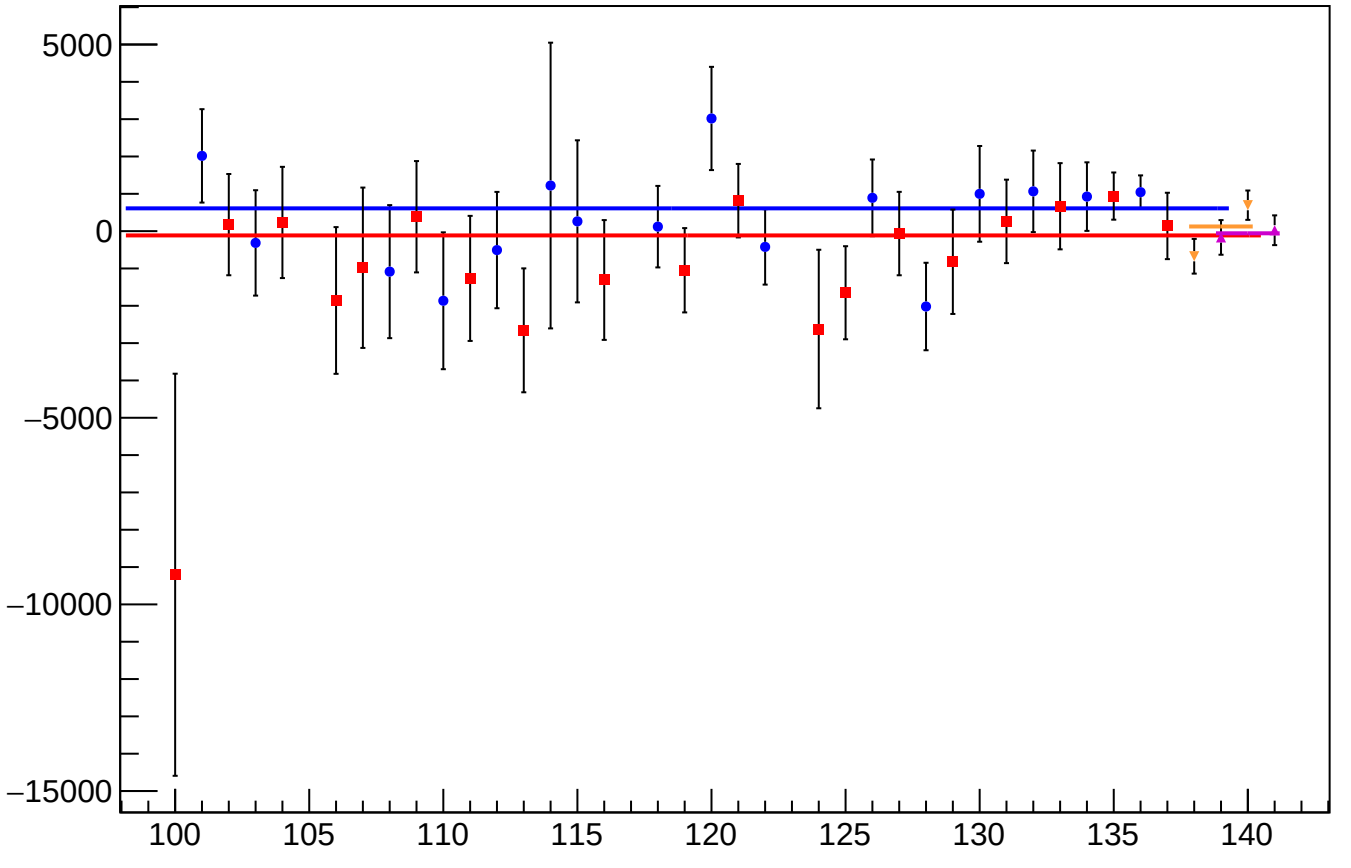
Left: 57.335+/-0.022 χ^2/NDF: 5903.0/3

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 67.549+/-0.016 χ^2/NDF:737080.4/17

Out: 69.315+/-0.017 χ^2/NDF:846262.3/20

All: 68.413+/-0.012 χ^2/NDF: 1589054.4/38



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 124.850+/-300.224 χ^2/NDF:5.0/1

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -57.556+/-302.438 χ^2/NDF:0.1/1

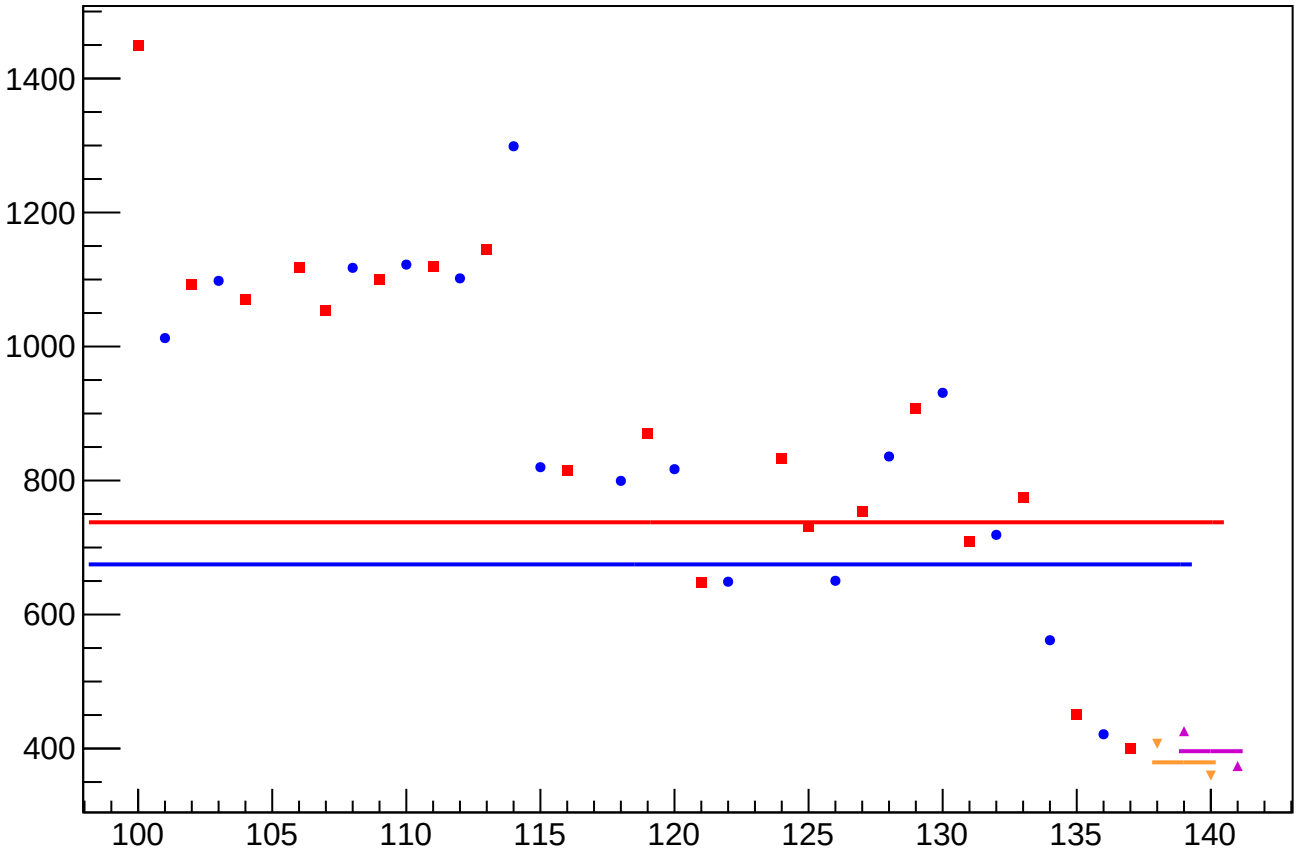
Left: 34.317+/-213.069 χ^2/NDF: 5.3/3

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 318.165+/-200.076 χ^2/NDF:18.5/17

Out: -1.406+/-206.435 χ^2/NDF:20.9/20

All: 163.377+/-143.671 χ^2/NDF: 40.7/38



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 379.381+/-0.212 χ^2/NDF:12159.7/1

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 396.019+/-0.214 χ^2/NDF:14462.3/1

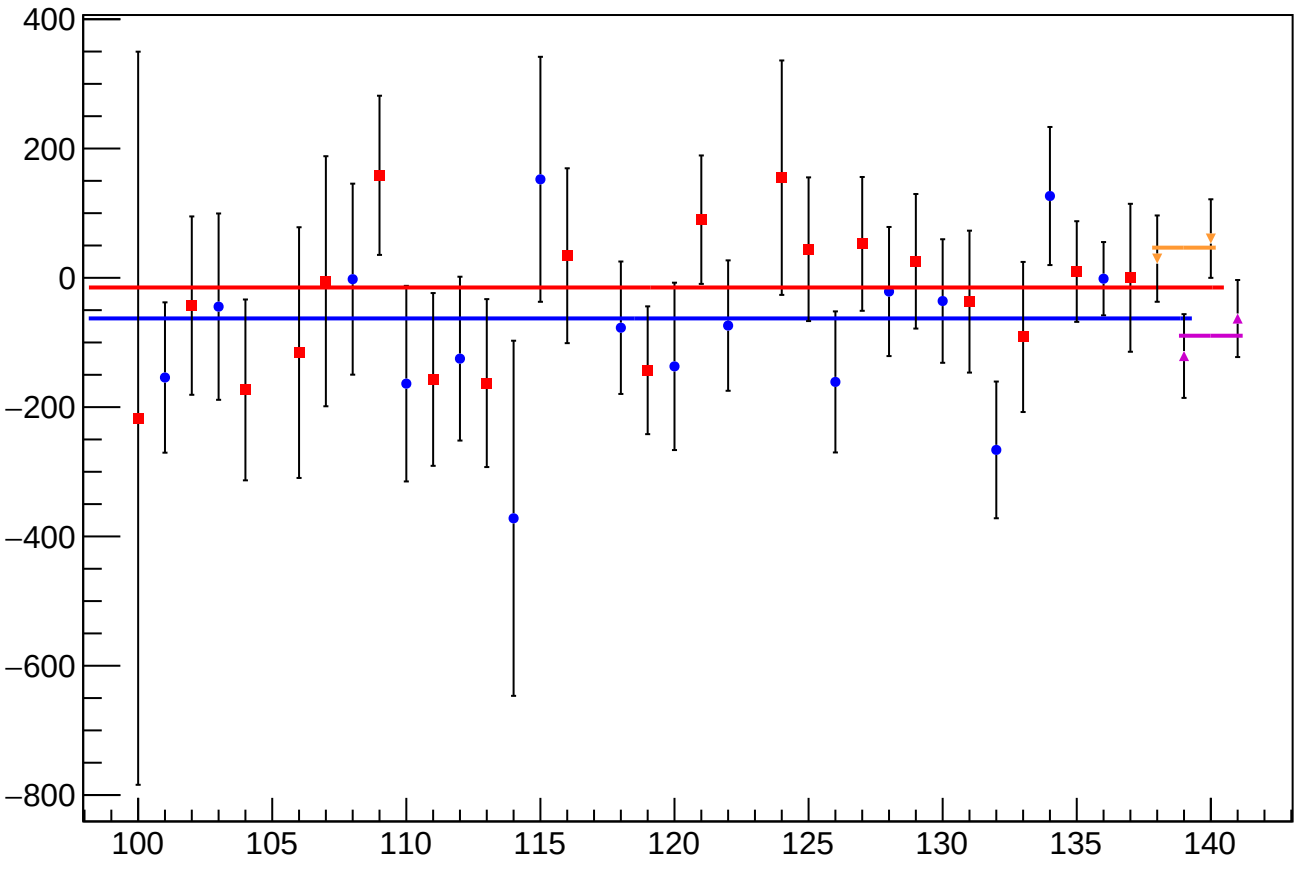
Left: 387.639+/-0.151 χ^2/NDF: 29670.7/3

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 552.811+/-0.141 χ^2/NDF:2587913.7/17

Out: 568.274+/-0.146 χ^2/NDF:3030640.1/20

All: 560.301+/-0.102 χ^2/NDF: 5624340.2/38



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 46.672+/-44.936 χ^2/NDF:0.1/1

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -89.557+/-43.852 χ^2/NDF:0.4/1

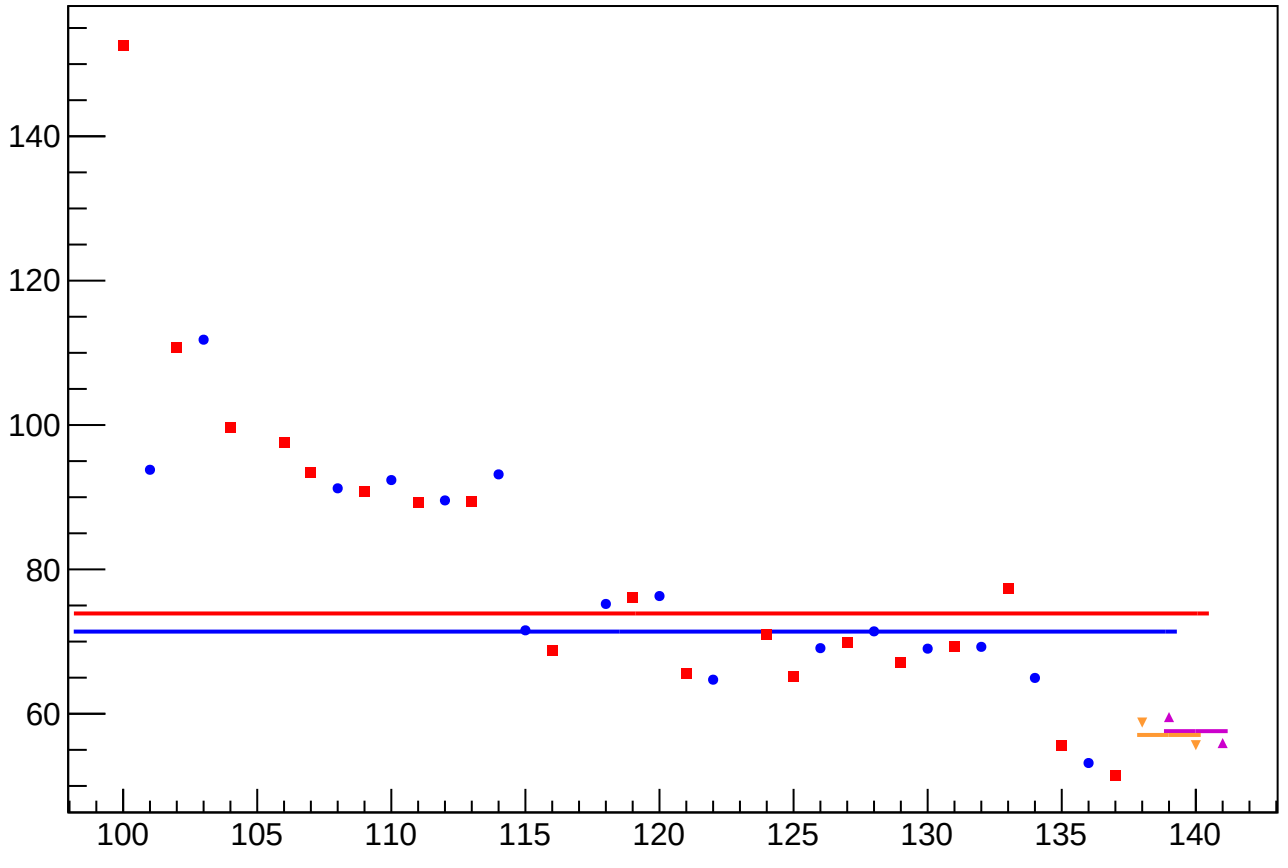
Left: -23.106+/-31.384 χ^2/NDF: 5.3/3

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -70.232+/-23.123 χ^2/NDF:14.2/17

Out: 2.105+/-23.631 χ^2/NDF:12.9/20

All: -34.850+/-16.527 χ^2/NDF: 31.8/38



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 57.065+/-0.032 χ^2/NDF:2415.0/1

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 57.592+/-0.031 χ^2/NDF:3347.3/1

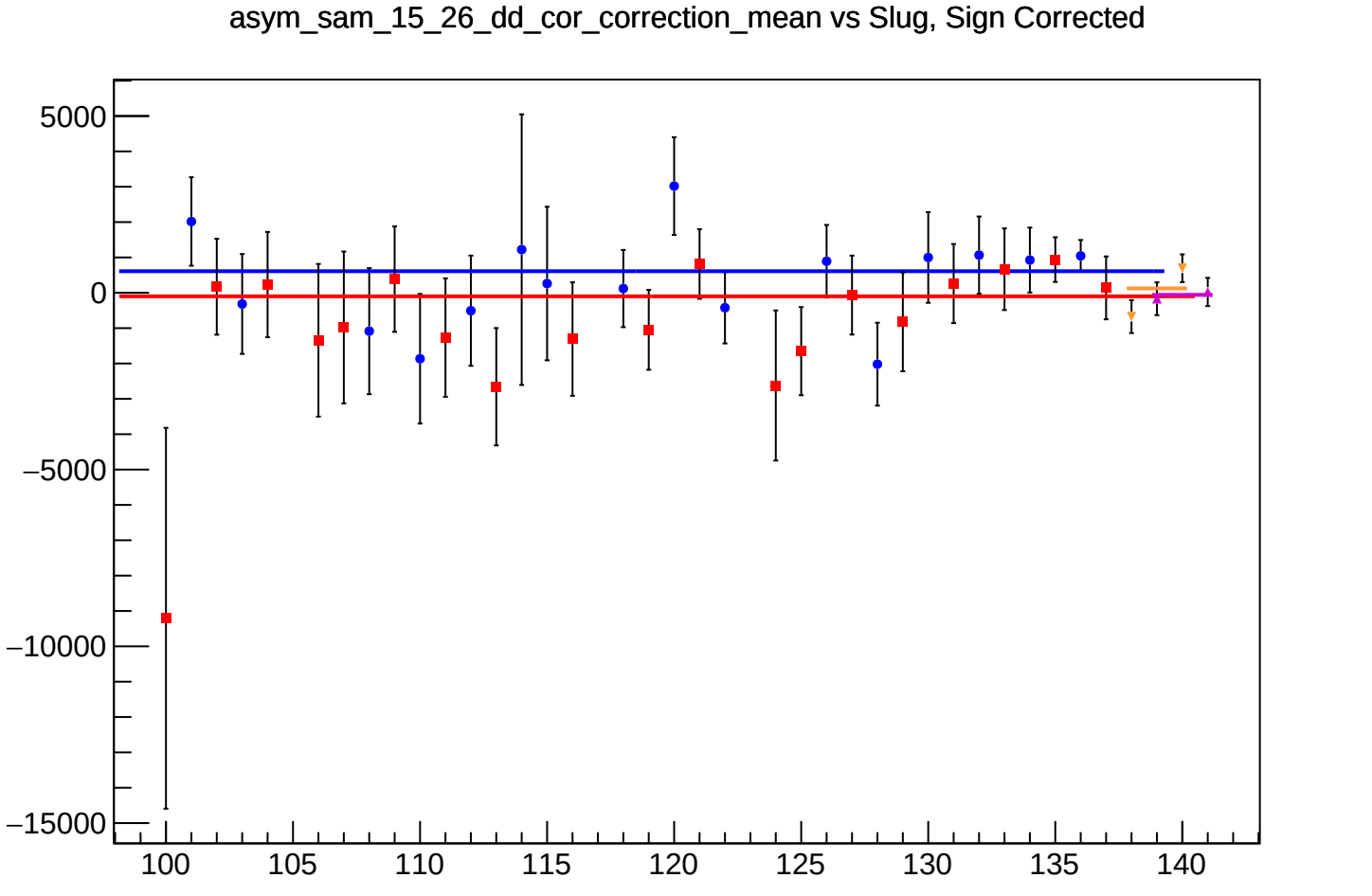
Left: 57.335+/-0.022 χ^2/NDF: 5903.0/3

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 67.549+/-0.016 χ^2/NDF:737082.9/17

Out: 69.240+/-0.017 χ^2/NDF:832364.2/20

All: 68.376+/-0.012 χ^2/NDF: 1574679.8/38



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 124.861+/-300.224 χ^2/NDF:5.0/1

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -57.568+/-302.438 χ^2/NDF:0.1/1

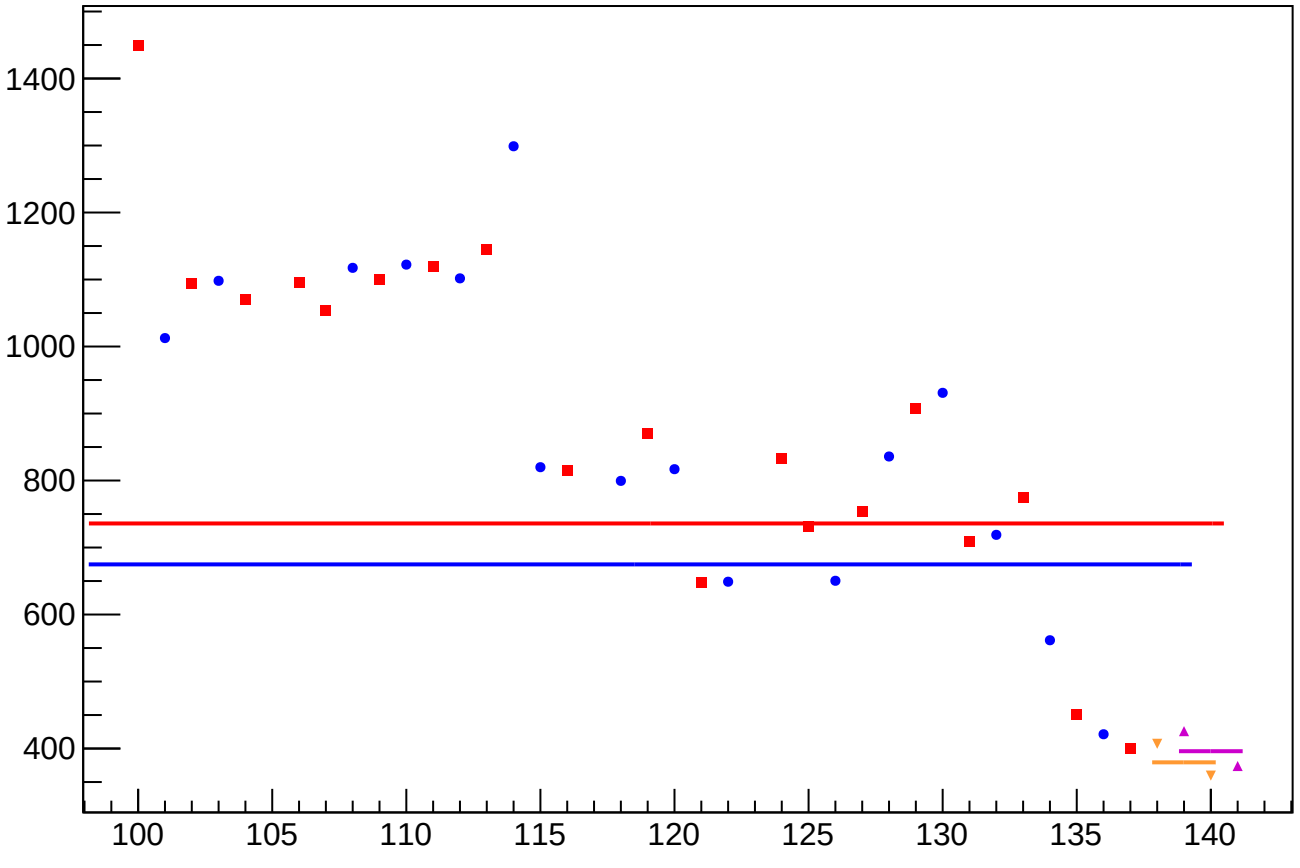
Left: 34.317+/-213.069 χ^2/NDF: 5.3/3

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 318.153+/-200.077 χ^2/NDF:18.5/17

Out: 6.752+/-206.634 χ^2/NDF:20.4/20

All: 167.472+/-143.738 χ^2/NDF: 40.1/38



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 379.381+/-0.212 χ^2/NDF:12160.1/1

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 396.019+/-0.214 χ^2/NDF:14462.0/1

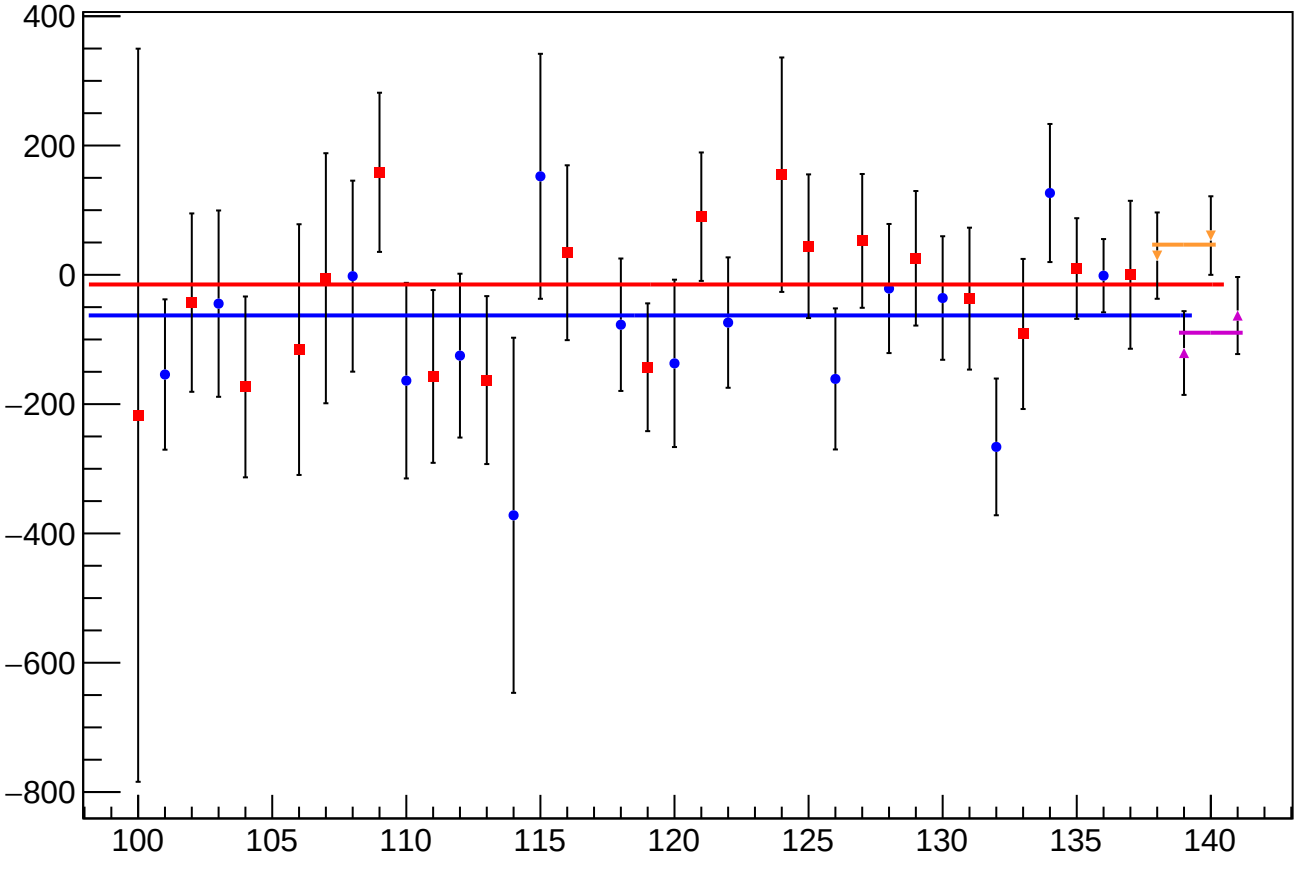
Left: 387.639+/-0.151 χ^2/NDF: 29671.0/3

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 552.811+/-0.141 χ^2/NDF:2587936.8/17

Out: 567.024+/-0.146 χ^2/NDF:2993630.1/20

All: 559.689+/-0.102 χ^2/NDF: 5586451.0/38



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 46.672+/-44.936 χ^2/NDF:0.1/1

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -89.557+/-43.852 χ^2/NDF:0.4/1

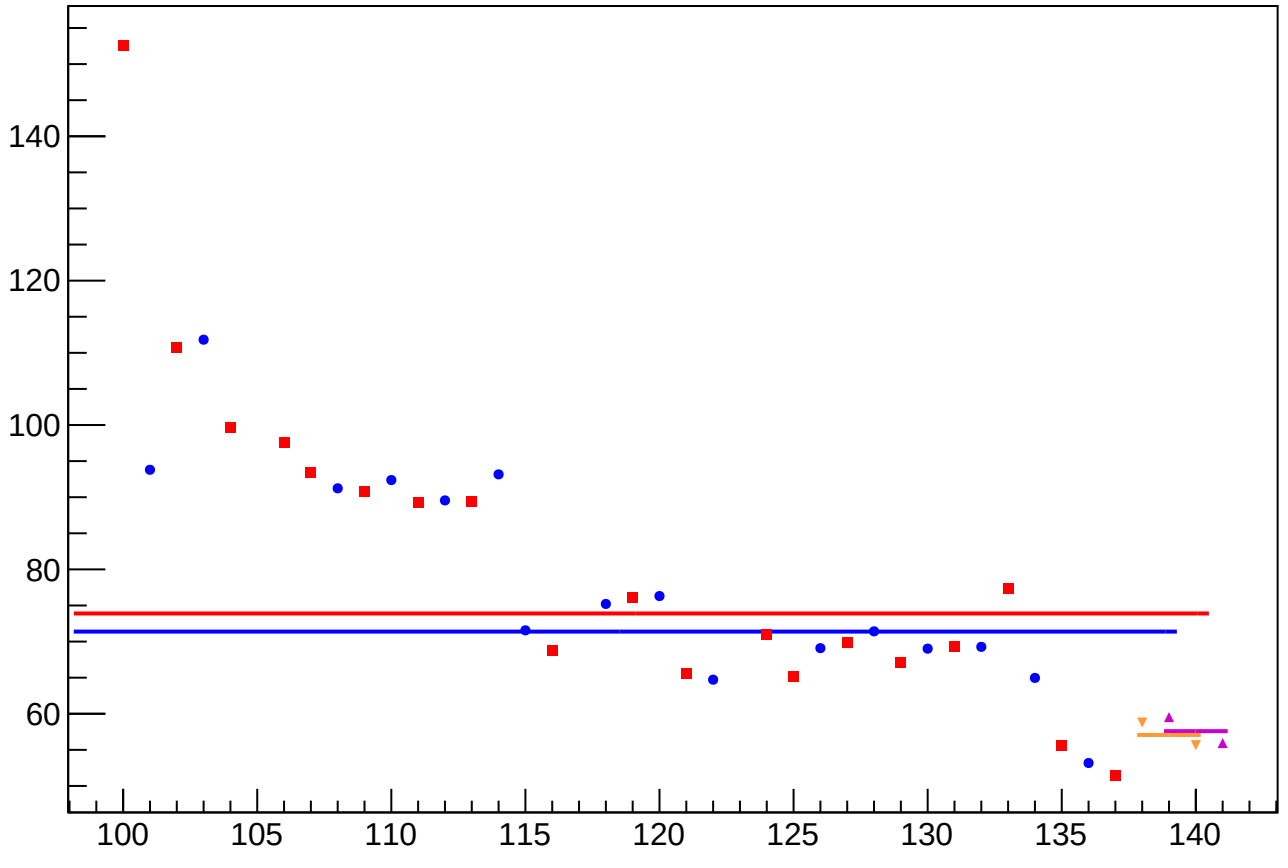
Left: -23.106+/-31.384 χ^2/NDF: 5.3/3

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -70.232+/-23.123 χ^2/NDF:14.2/17

Out: 2.105+/-23.631 χ^2/NDF:12.9/20

All: -34.850+/-16.527 χ^2/NDF: 31.8/38



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 57.065+/-0.032 χ^2/NDF:2415.0/1

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 57.592+/-0.031 χ^2/NDF:3347.3/1

Left: 57.335+/-0.022 χ^2/NDF: 5903.0/3

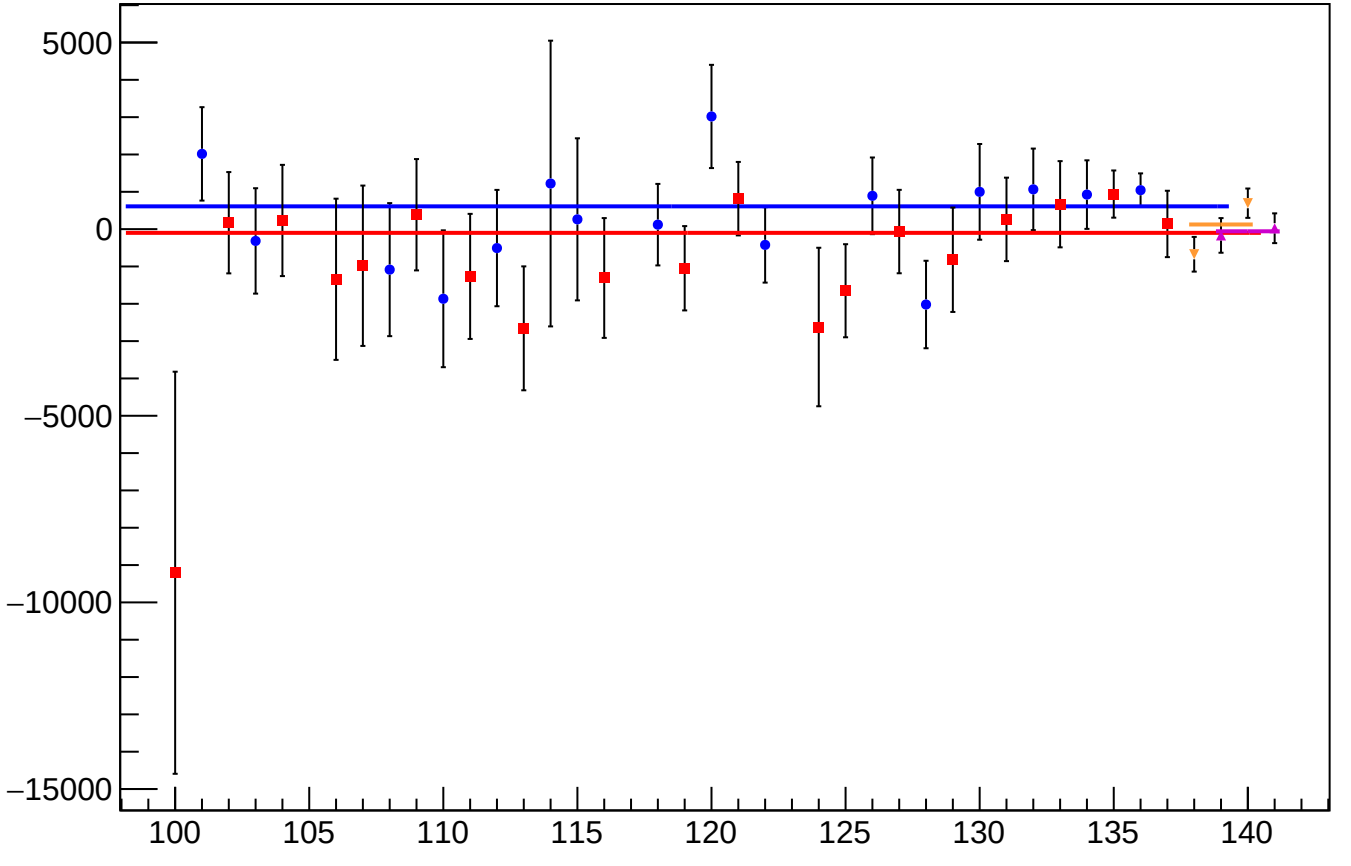
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 67.549+/-0.016 χ^2/NDF:737082.9/17

Out: 69.240+/-0.017 χ^2/NDF:832364.2/20

All: 68.376+/-0.012 χ^2/NDF: 1574679.8/38

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 124.861+/-300.224 χ^2/NDF:5.0/1

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -57.568+/-302.438 χ^2/NDF:0.1/1

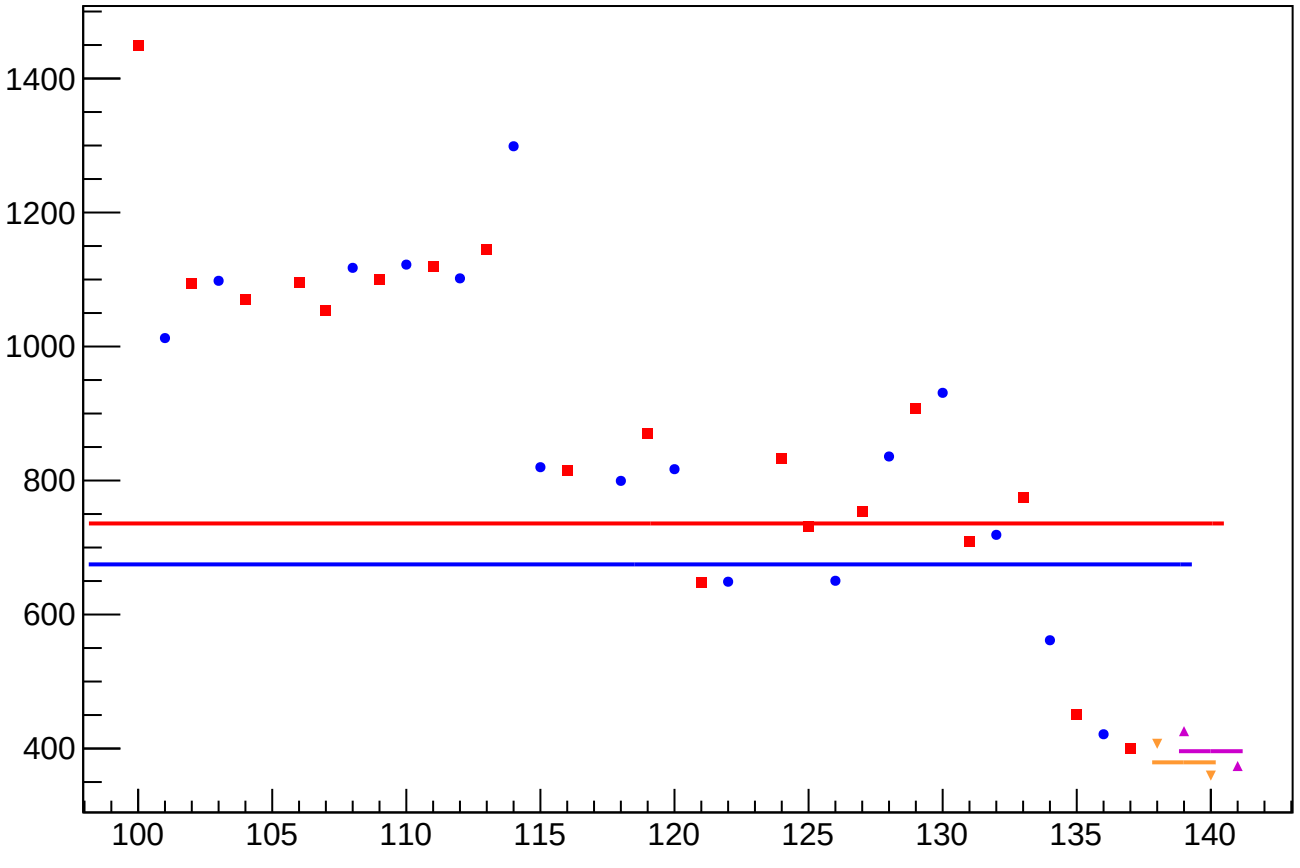
Left: 34.317+/-213.069 χ^2/NDF: 5.3/3

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 318.153+/-200.077 χ^2/NDF:18.5/17

Out: 6.752+/-206.634 χ^2/NDF:20.4/20

All: 167.472+/-143.738 χ^2/NDF: 40.1/38



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 379.381+/-0.212 χ^2/NDF:12160.1/1

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 396.019+/-0.214 χ^2/NDF:14462.0/1

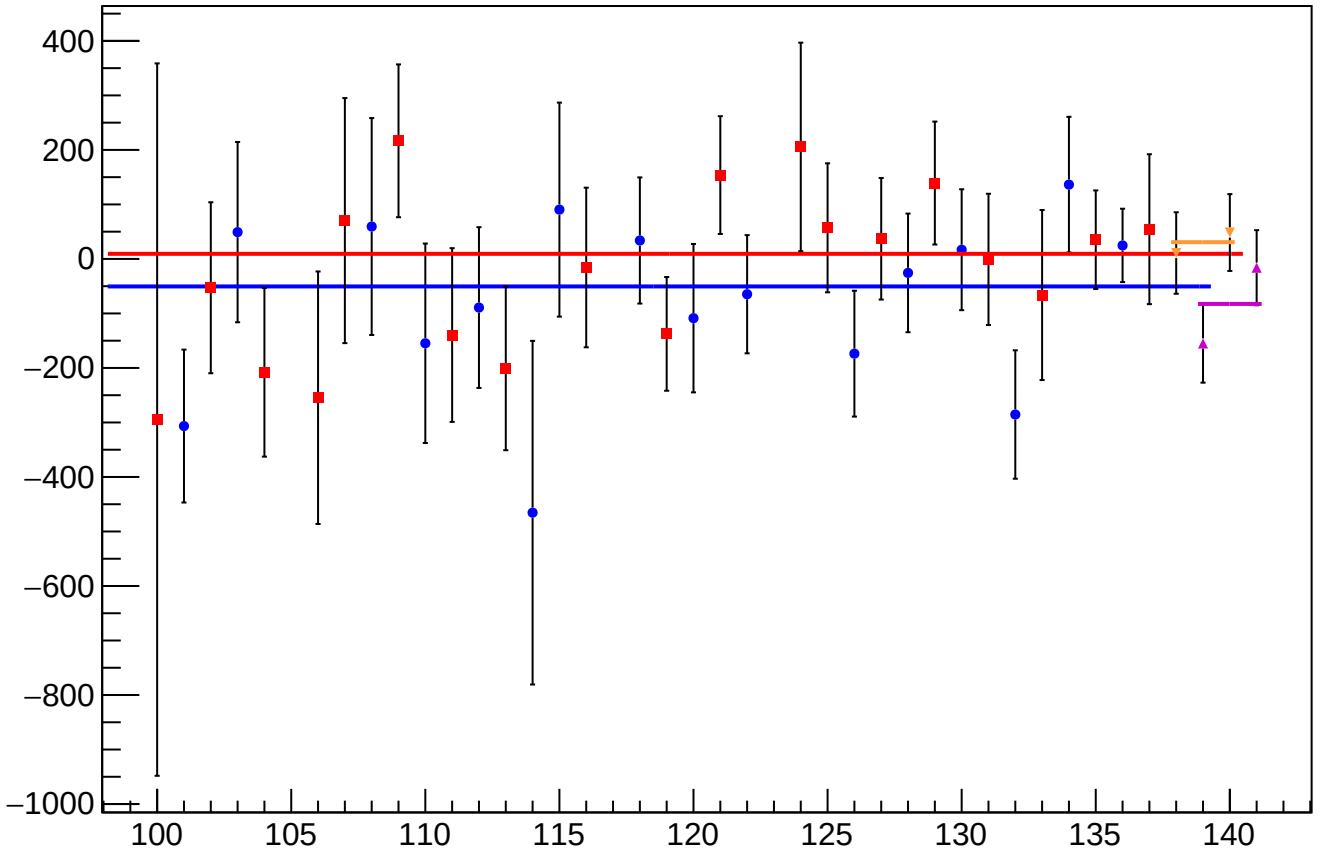
Left: 387.639+/-0.151 χ^2/NDF: 29671.0/3

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 552.811+/-0.141 χ^2/NDF:2587936.8/17

Out: 567.024+/-0.146 χ^2/NDF:2993630.1/20

All: 559.689+/-0.102 χ^2/NDF: 5586451.0/38



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: 30.740+/-51.274 χ^2/NDF:0.1/1

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -82.547+/-49.754 χ^2/NDF:1.9/1

Left: -27.607+/-35.707 χ^2/NDF: 4.6/3

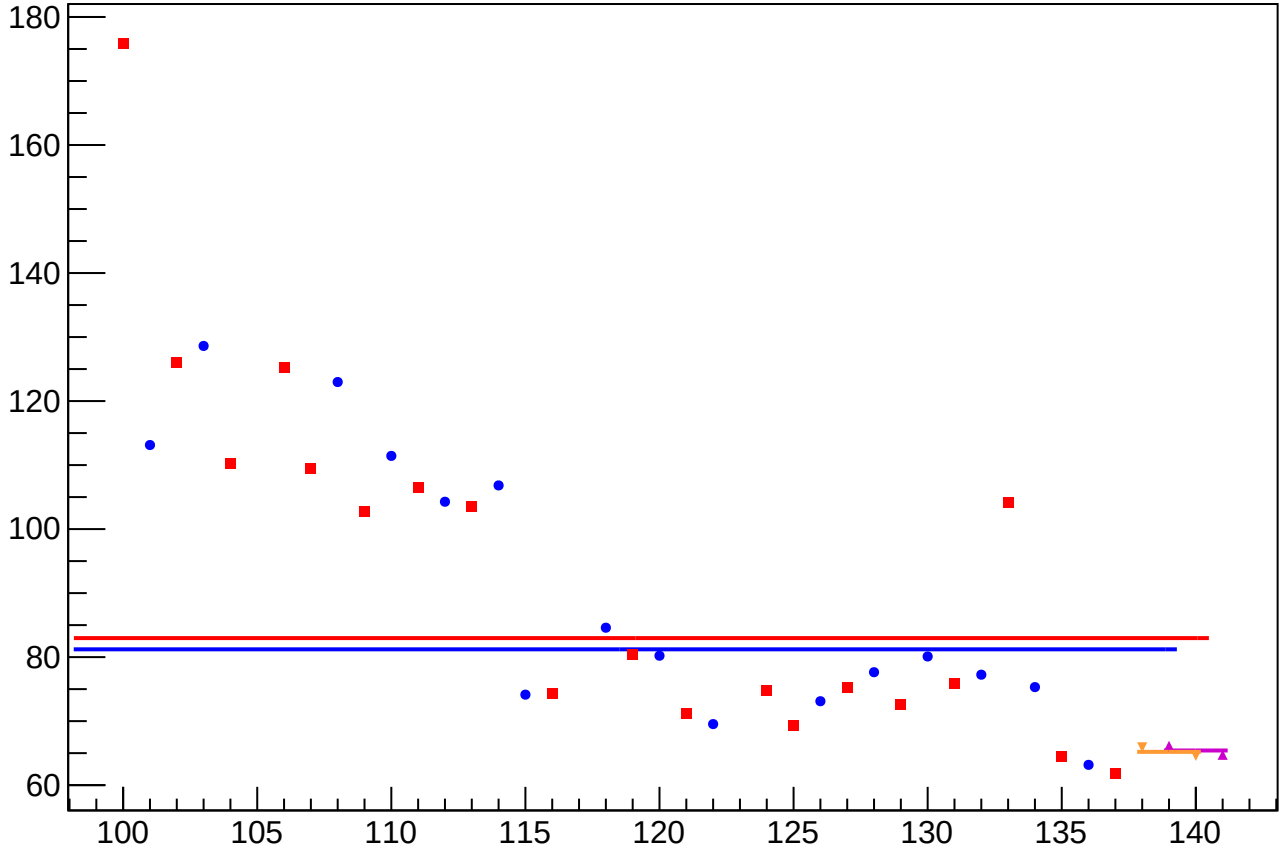
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -59.462+/-26.348 χ^2/NDF:18.7/17

Out: 15.161+/-26.675 χ^2/NDF:15.8/20

All: -22.610+/-18.745 χ^2/NDF: 38.5/38

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.201+/-0.036 χ^2/NDF:335.5/1

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 65.414+/-0.035 χ^2/NDF:396.7/1

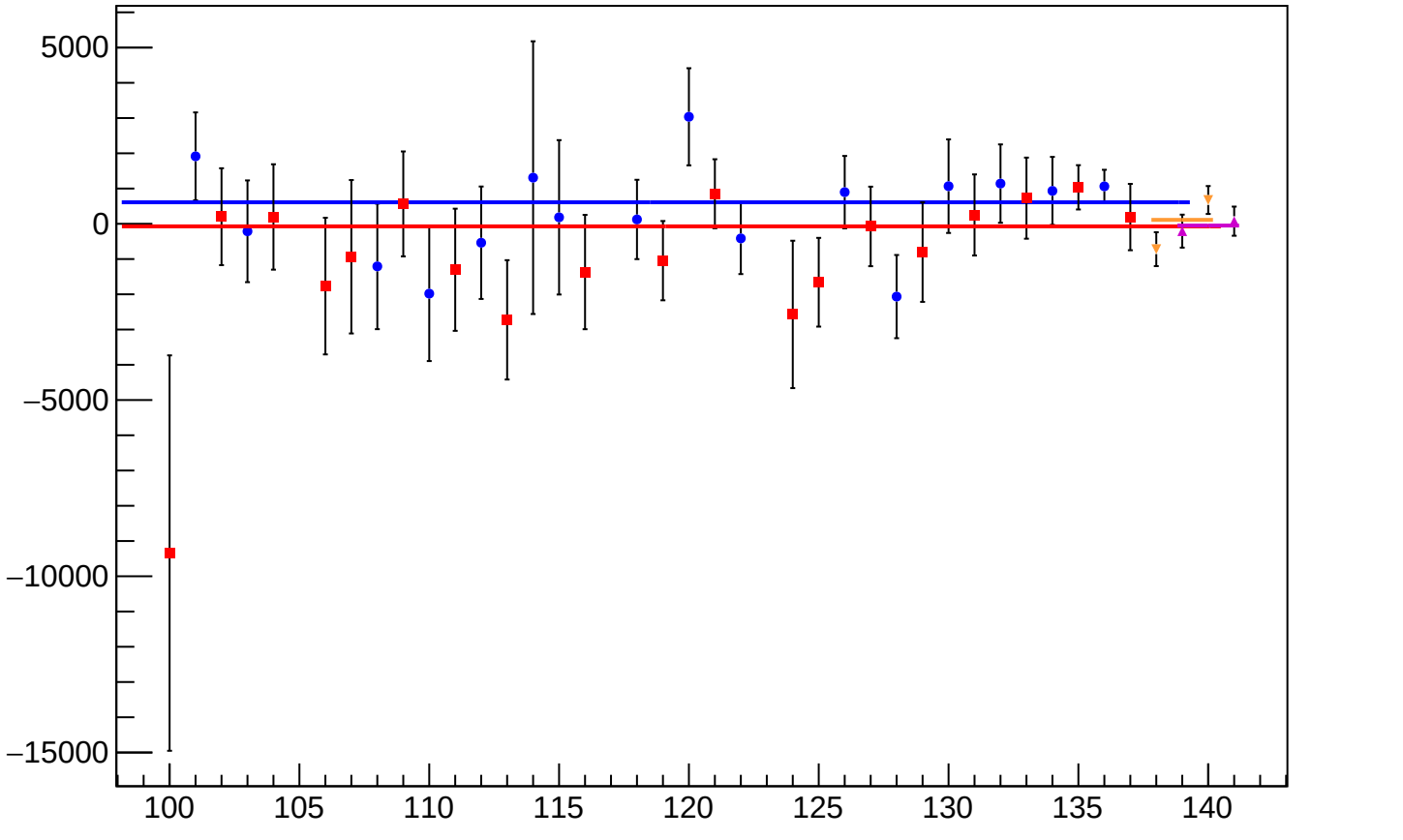
Left: 65.311+/-0.025 χ^2/NDF: 750.0/3

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 76.786+/-0.019 χ^2/NDF:808467.5/17

Out: 78.161+/-0.019 χ^2/NDF:905924.2/20

All: 77.465+/-0.013 χ^2/NDF: 1717083.0/38



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 110.976+/-305.635 χ^2/NDF:5.0/1

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -49.435+/-309.703 χ^2/NDF:0.2/1

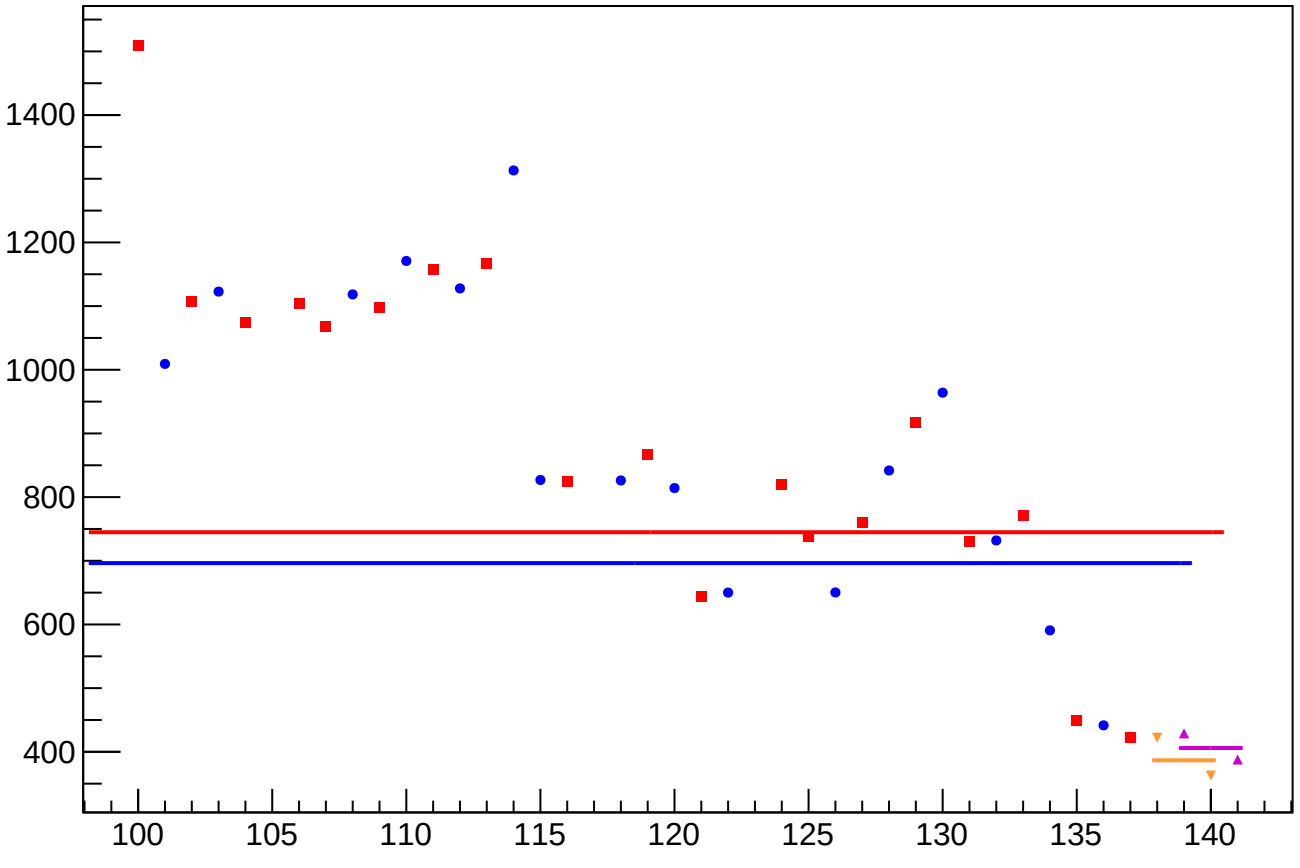
Left: 31.831+/-217.541 χ^2/NDF: 5.4/3

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 320.704+/-205.207 χ^2/NDF:18.5/17

Out: 13.521+/-209.152 χ^2/NDF:21.4/20

All: 170.036+/-146.478 χ^2/NDF: 41.0/38



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 386.674+/-0.216 χ^2/NDF:18246.5/1

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 405.968+/-0.219 χ^2/NDF:8673.8/1

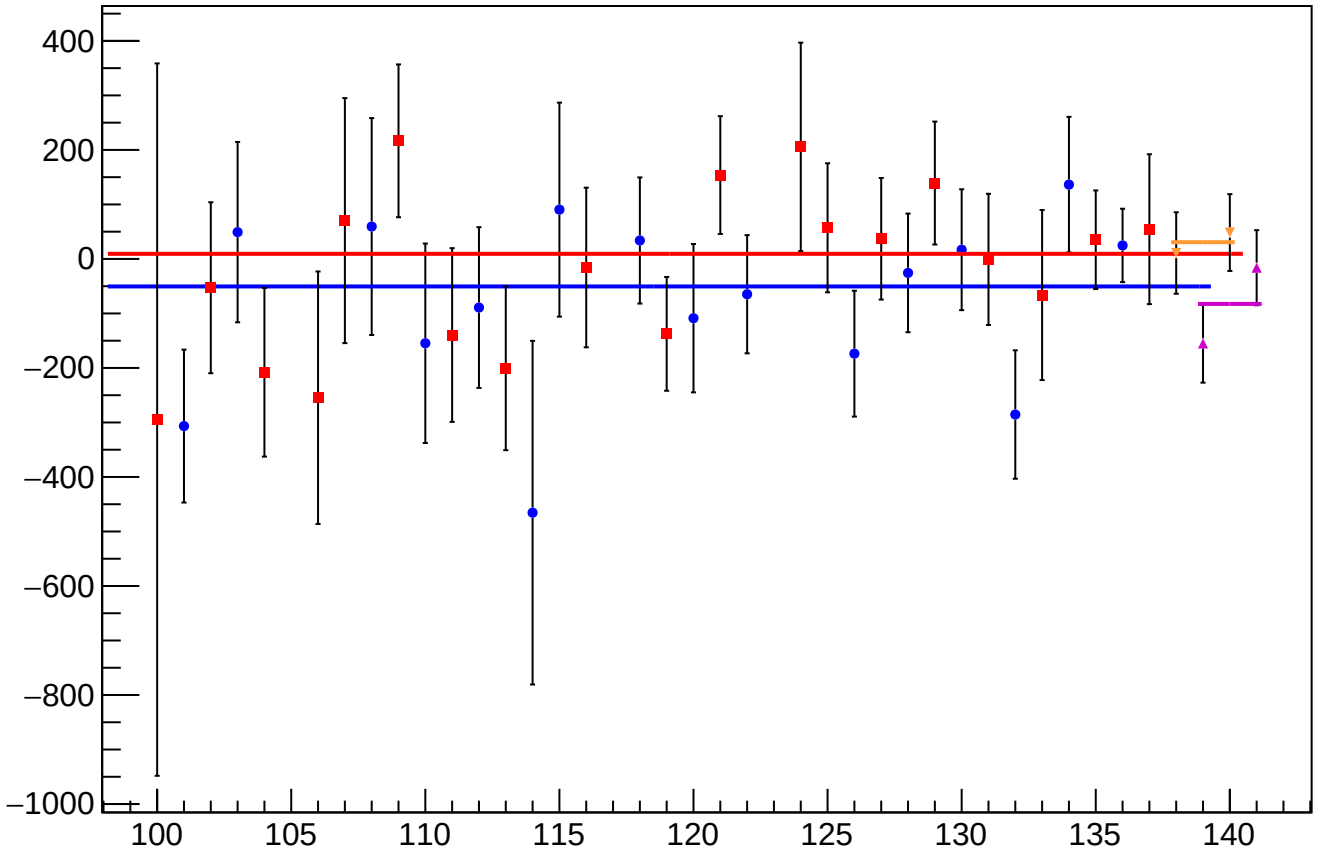
Left: 396.193+/-0.154 χ^2/NDF: 30853.1/3

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 568.876+/-0.145 χ^2/NDF:2510614.0/17

Out: 577.132+/-0.148 χ^2/NDF:2977276.8/20

All: 572.925+/-0.104 χ^2/NDF: 5489478.7/38



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: 30.742+/-51.274 χ^2/NDF:0.1/1

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -82.546+/-49.754 χ^2/NDF:1.9/1

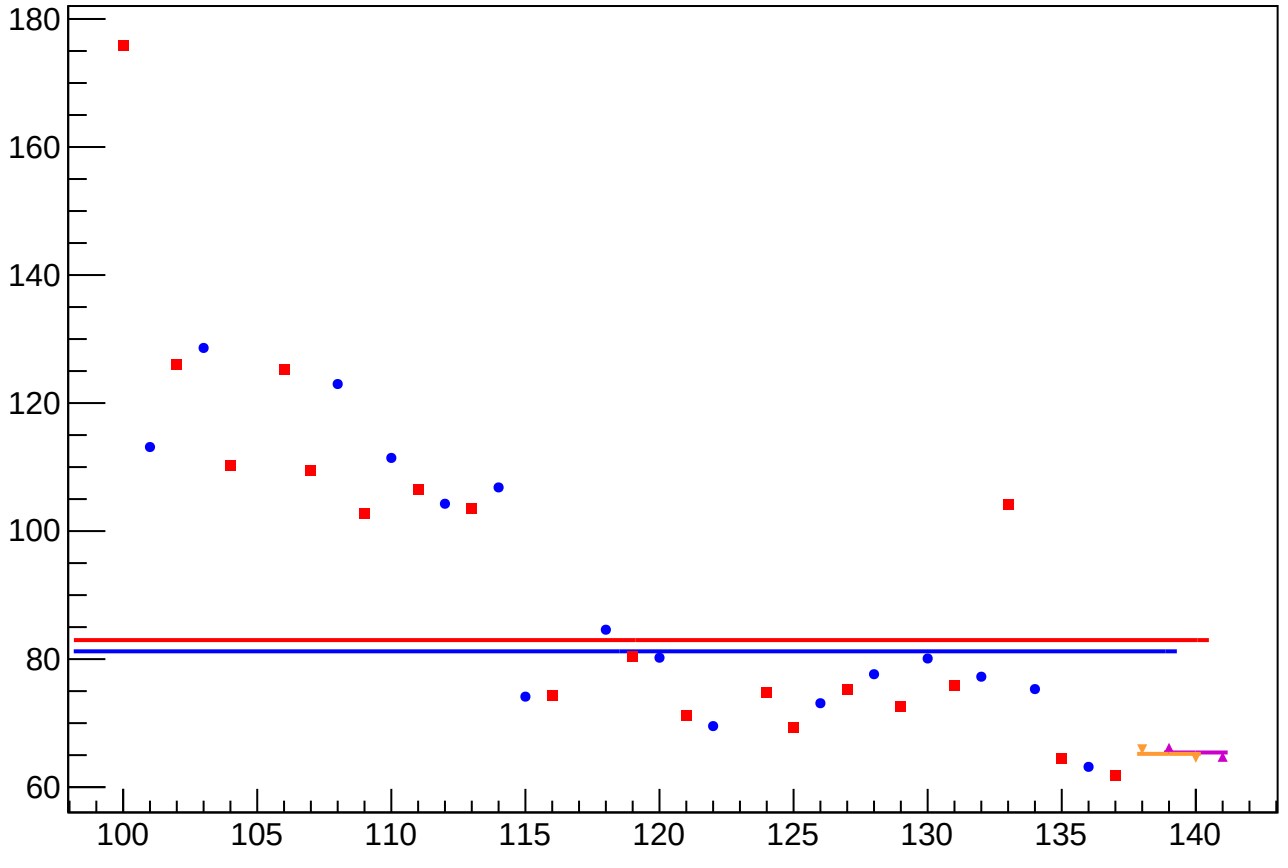
Left: -27.606+/-35.707 χ^2/NDF: 4.6/3

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -59.462+/-26.348 χ^2/NDF:18.7/17

Out: 15.162+/-26.675 χ^2/NDF:15.8/20

All: -22.610+/-18.745 χ^2/NDF: 38.5/38



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.201+/-0.036 χ^2/NDF:335.4/1

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 65.415+/-0.035 χ^2/NDF:396.4/1

Left: 65.311+/-0.025 χ^2/NDF: 749.6/3

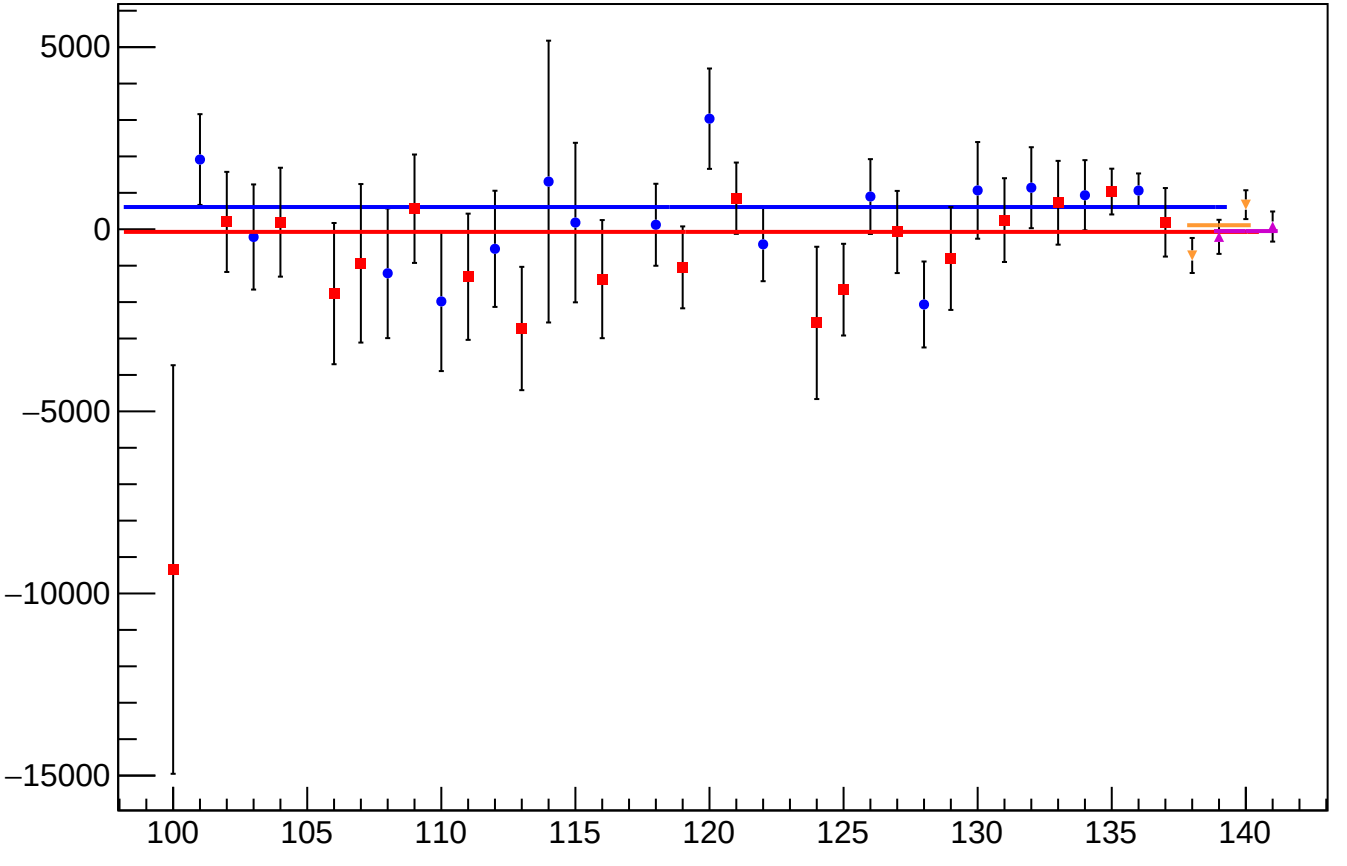
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 76.786+/-0.019 χ^2/NDF:808438.6/17

Out: 78.161+/-0.019 χ^2/NDF:905903.3/20

All: 77.465+/-0.013 χ^2/NDF: 1717033.5/38

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 110.974+/-305.636 χ^2/NDF:5.0/1

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -49.434+/-309.703 χ^2/NDF:0.2/1

Left: 31.830+/-217.541 χ^2/NDF: 5.4/3

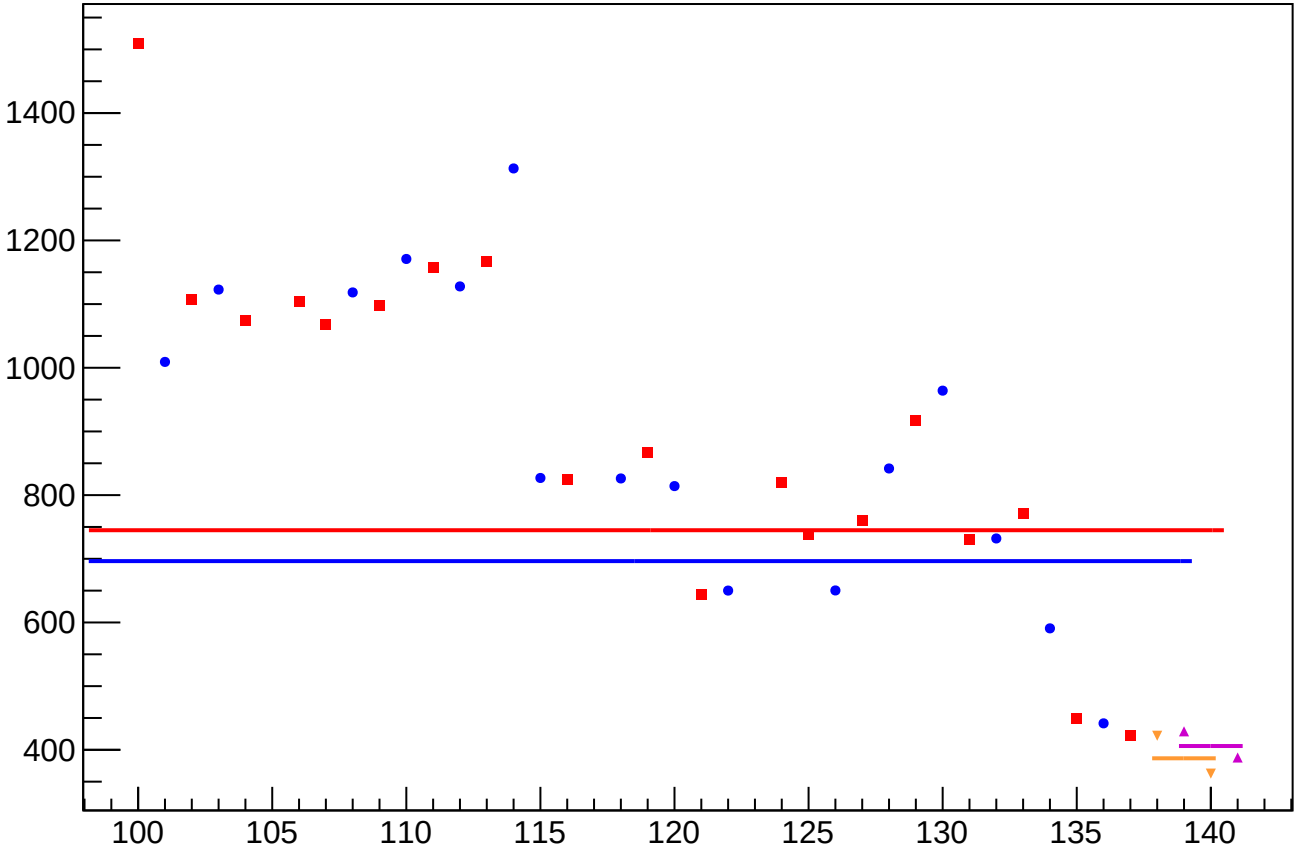
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 320.705+/-205.207 χ^2/NDF:18.5/17

Out: 13.519+/-209.152 χ^2/NDF:21.4/20

All: 170.036+/-146.478 χ^2/NDF: 41.0/38

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 386.674+/-0.216 χ^2/NDF:18245.3/1

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 405.969+/-0.219 χ^2/NDF:8672.5/1

Left: 396.194+/-0.154 χ^2/NDF: 30850.3/3

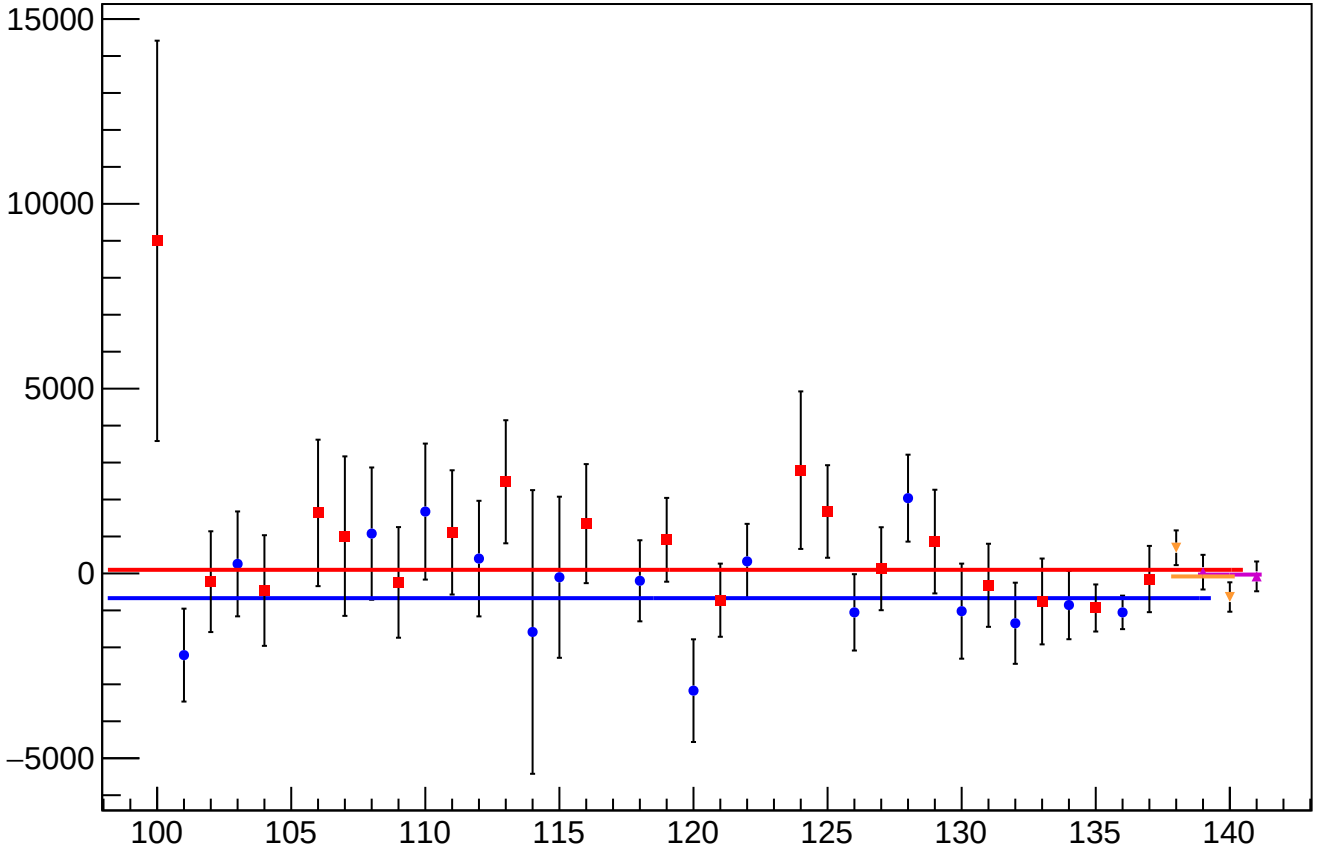
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 568.876+/-0.145 χ^2/NDF:2510587.6/17

Out: 577.133+/-0.148 χ^2/NDF:2977246.7/20

All: 572.926+/-0.104 χ^2/NDF: 5489422.4/38

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -81.089+/-303.626 χ^2/NDF:4.7/1

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -30.704+/-305.640 χ^2/NDF:0.0/1

Left: -56.063+/-215.404 χ^2/NDF: 4.7/3

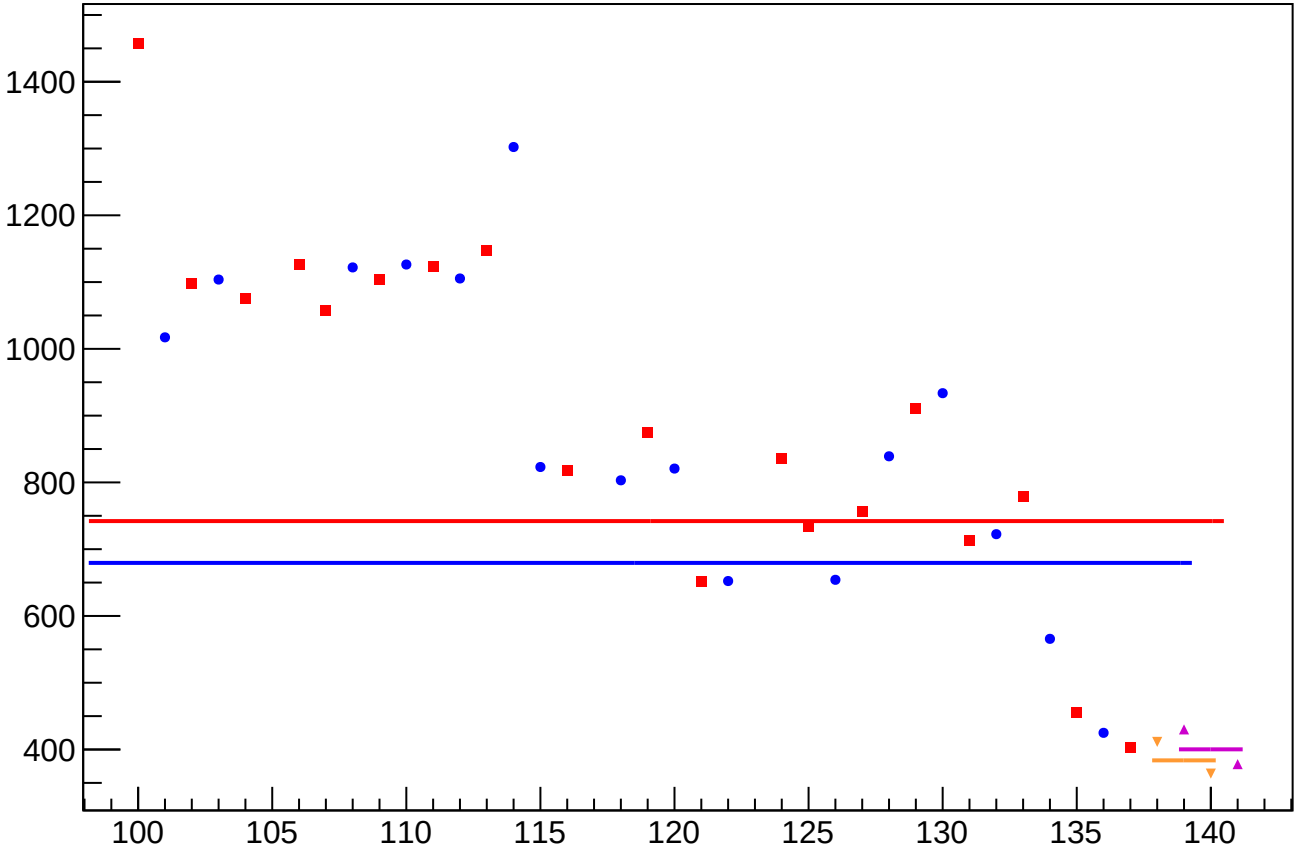
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -390.745+/-201.698 χ^2/NDF:18.6/17

Out: 13.843+/-208.139 χ^2/NDF:19.7/20

All: -194.808+/-144.846 χ^2/NDF: 40.3/38

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 383.736+/-0.215 χ^2/NDF:11893.5/1

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 400.249+/-0.216 χ^2/NDF:14162.2/1

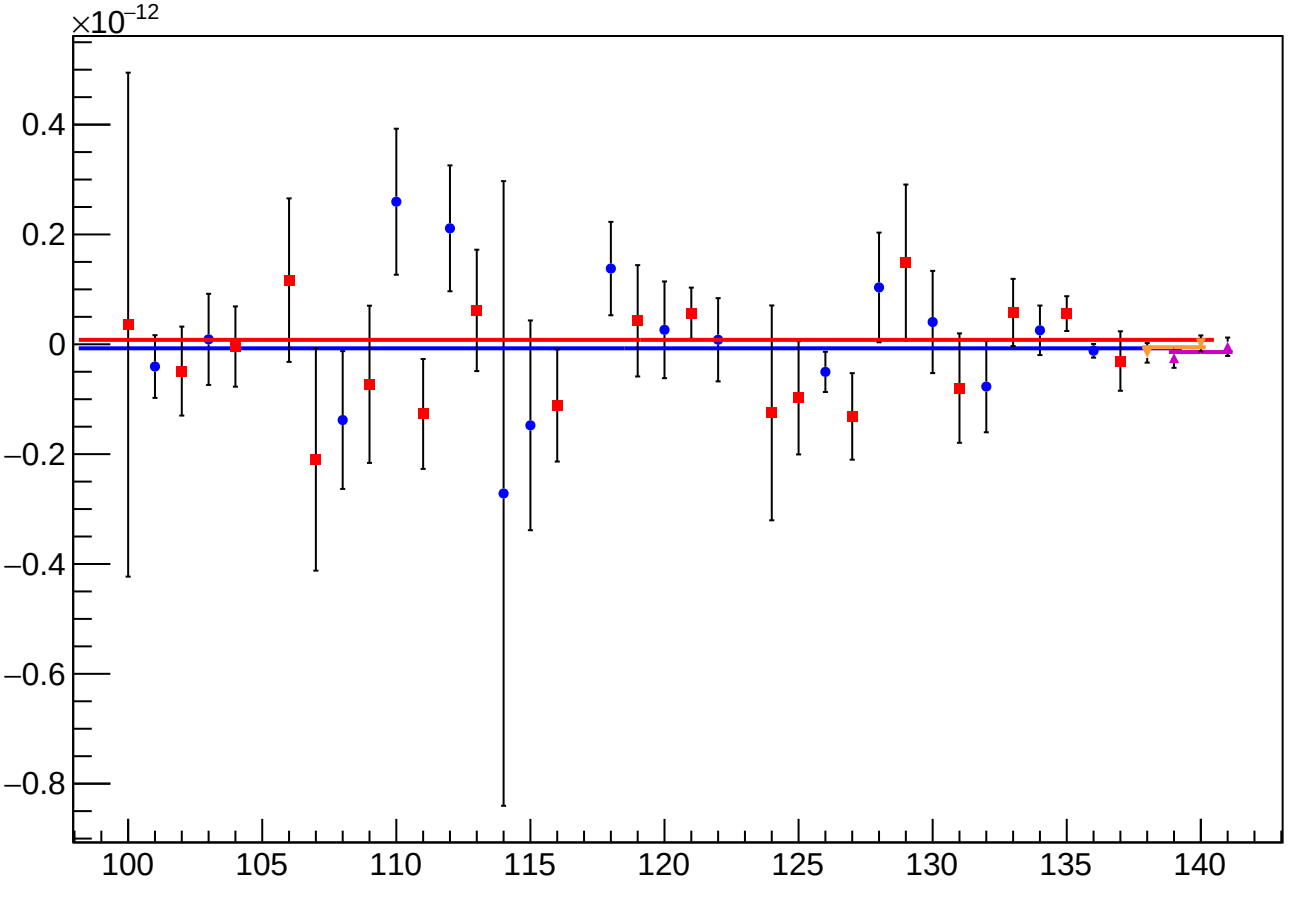
Left: 391.938+/-0.152 χ^2/NDF: 28994.0/3

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 557.870+/-0.143 χ^2/NDF:2557344.1/17

Out: 573.685+/-0.147 χ^2/NDF:2992976.8/20

All: 565.529+/-0.102 χ^2/NDF: 5556275.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/1

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

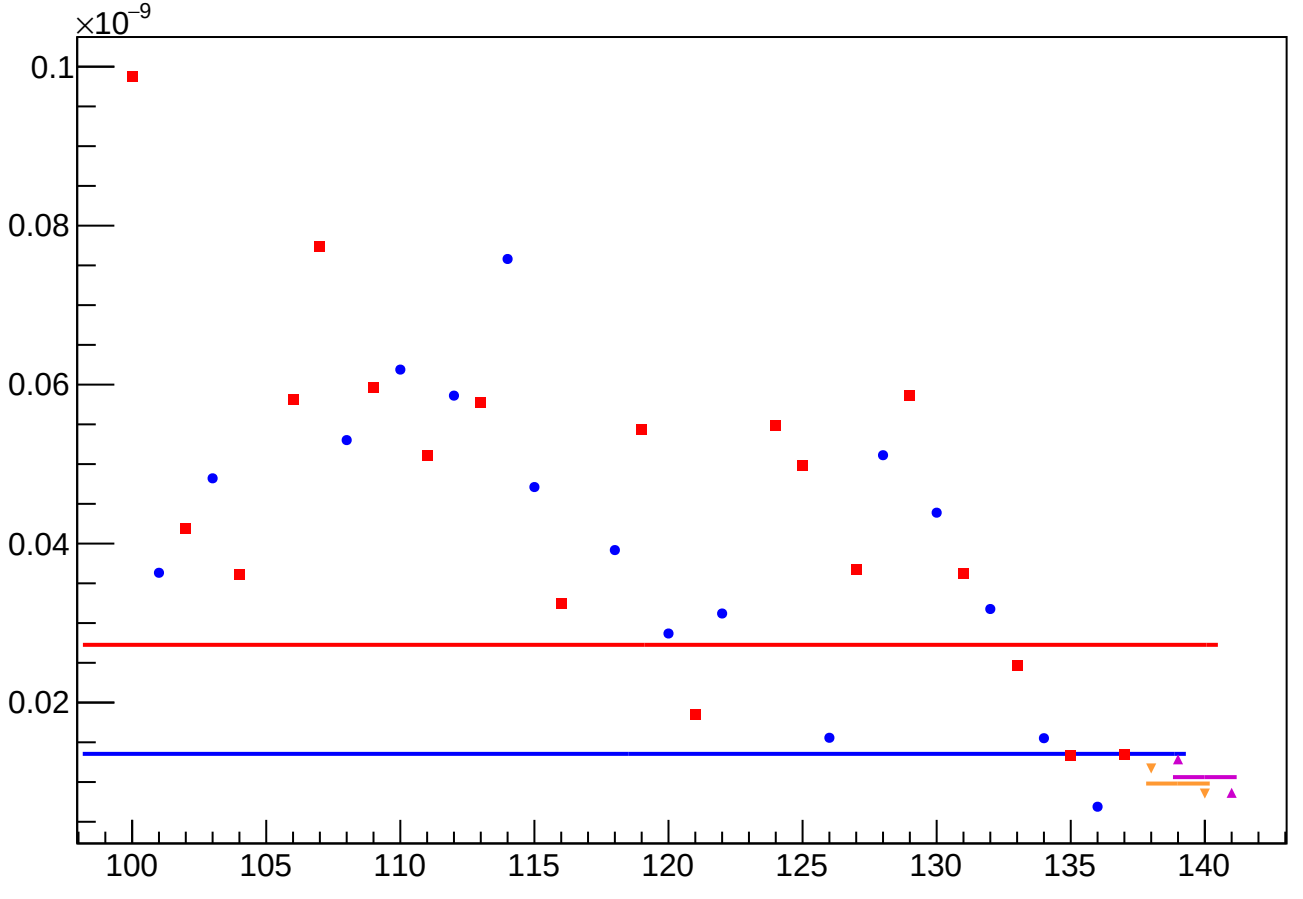
Left: -0.000+/-0.000 χ^2/NDF: 1.5/3

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:18.1/17

Out: -0.000+/-0.000 χ^2/NDF:18.0/20

All: -0.000+/-0.000 χ^2/NDF: 36.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:37652.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:59620.1/1

Left: 0.000+/-0.000 χ^2/NDF: 102019.0/3

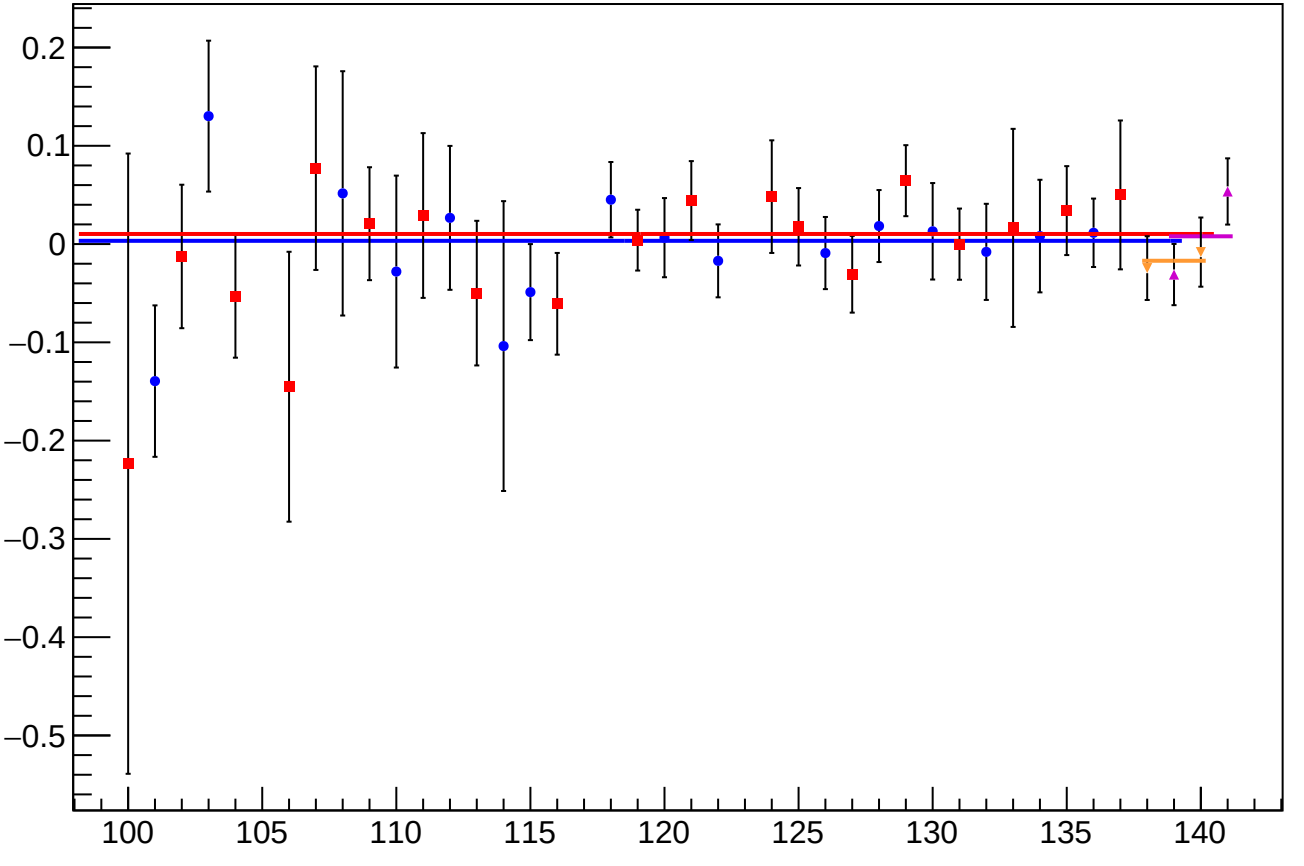
Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3171239.7/17

Out: 0.000+/-0.000 χ^2/NDF:3199901.8/20

All: 0.000+/-0.000 χ^2/NDF: 6467011.9/38

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.017+/-0.024 χ^2/NDF:0.1/1

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.008+/-0.023 χ^2/NDF:3.4/1

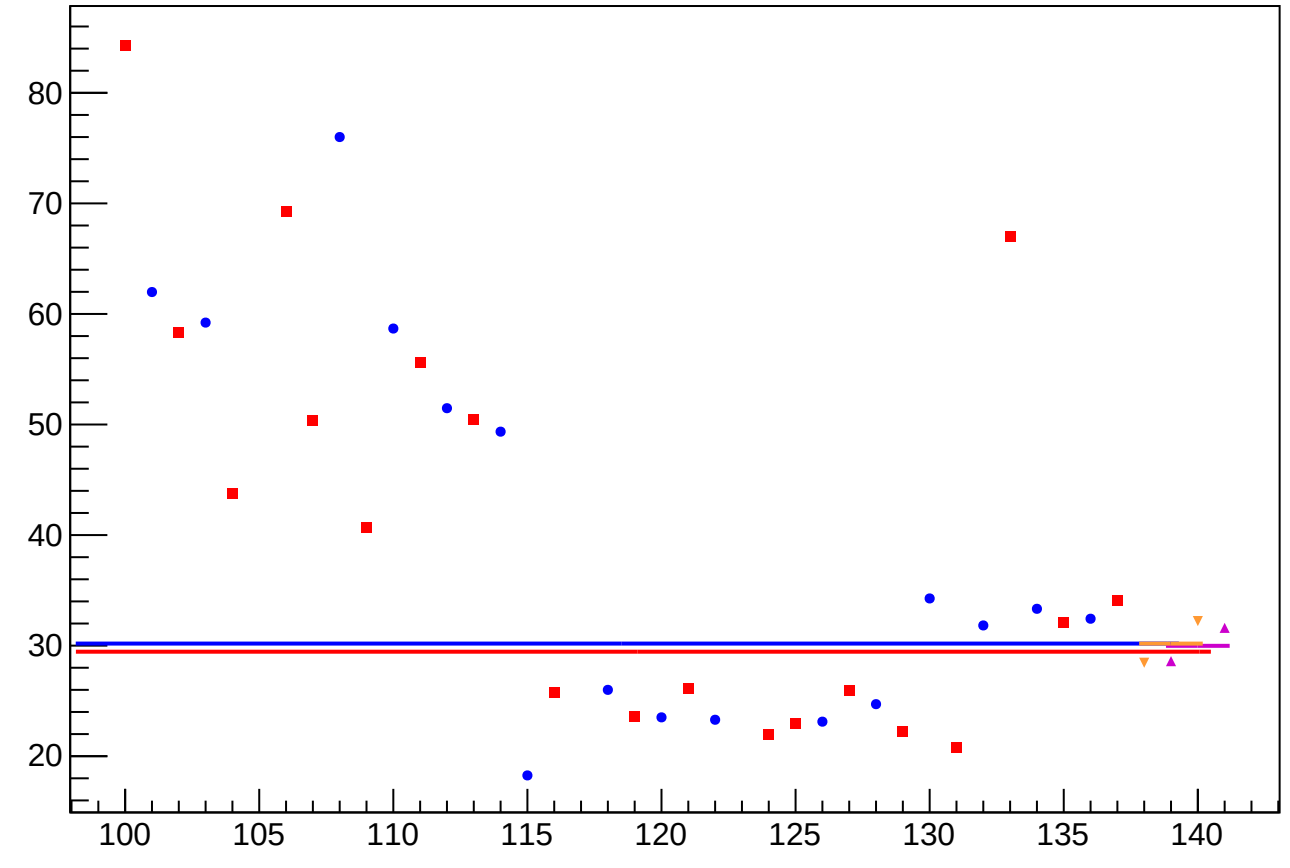
Left: -0.004+/-0.017 χ^2/NDF: 4.1/3

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.004+/-0.011 χ^2/NDF:13.5/17

Out: 0.005+/-0.011 χ^2/NDF:12.4/20

All: 0.005+/-0.008 χ^2/NDF: 26.0/38



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.184+/-0.017 χ^2/NDF:12401.7/1

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.983+/-0.016 χ^2/NDF:8620.5/1

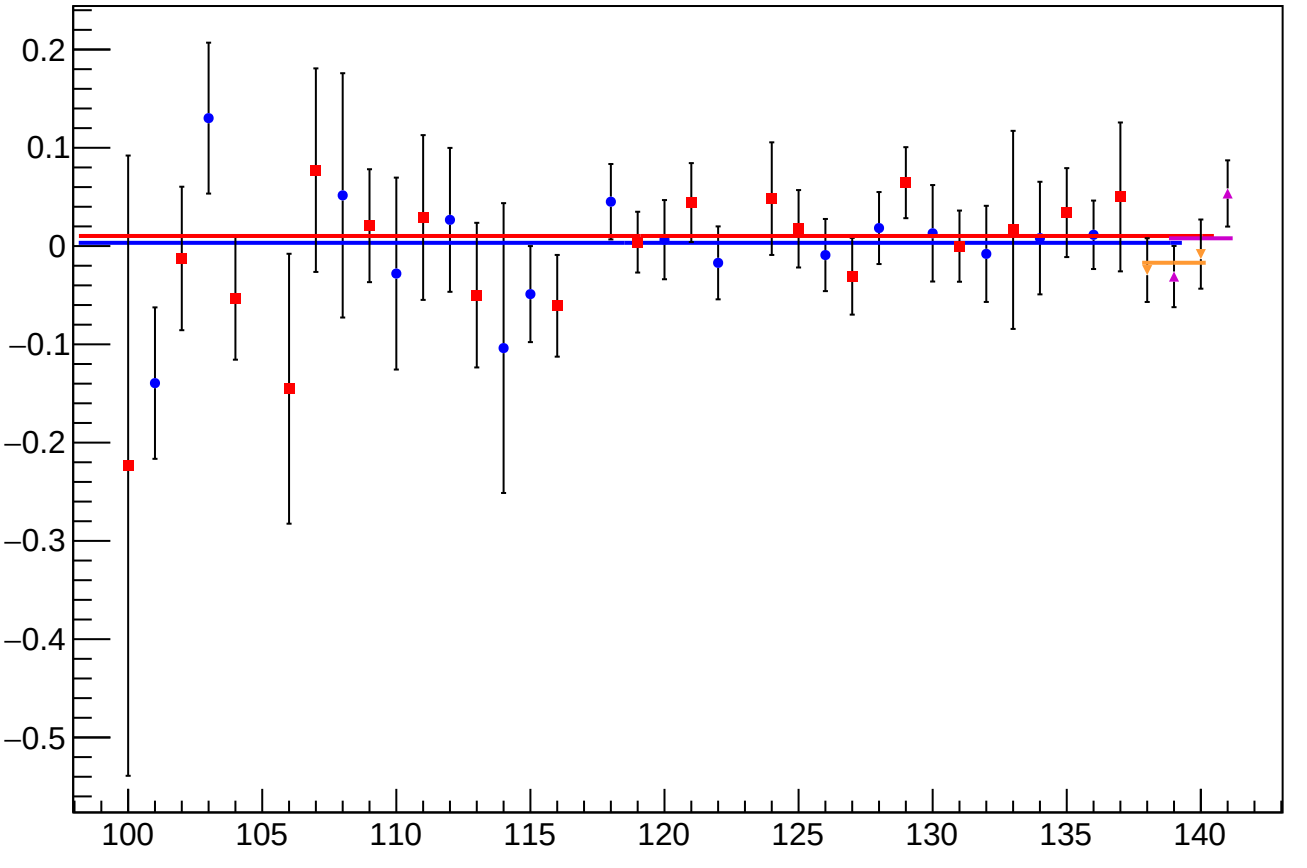
Left: 30.079+/-0.012 χ^2/NDF: 21096.4/3

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.141+/-0.008 χ^2/NDF:1696117.1/17

Out: 29.596+/-0.007 χ^2/NDF:1862554.4/20

All: 29.863+/-0.005 χ^2/NDF: 3561266.0/38



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.017+/-0.024 χ^2/NDF:0.1/1

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.008+/-0.023 χ^2/NDF:3.4/1

Left: -0.004+/-0.017 χ^2/NDF: 4.1/3

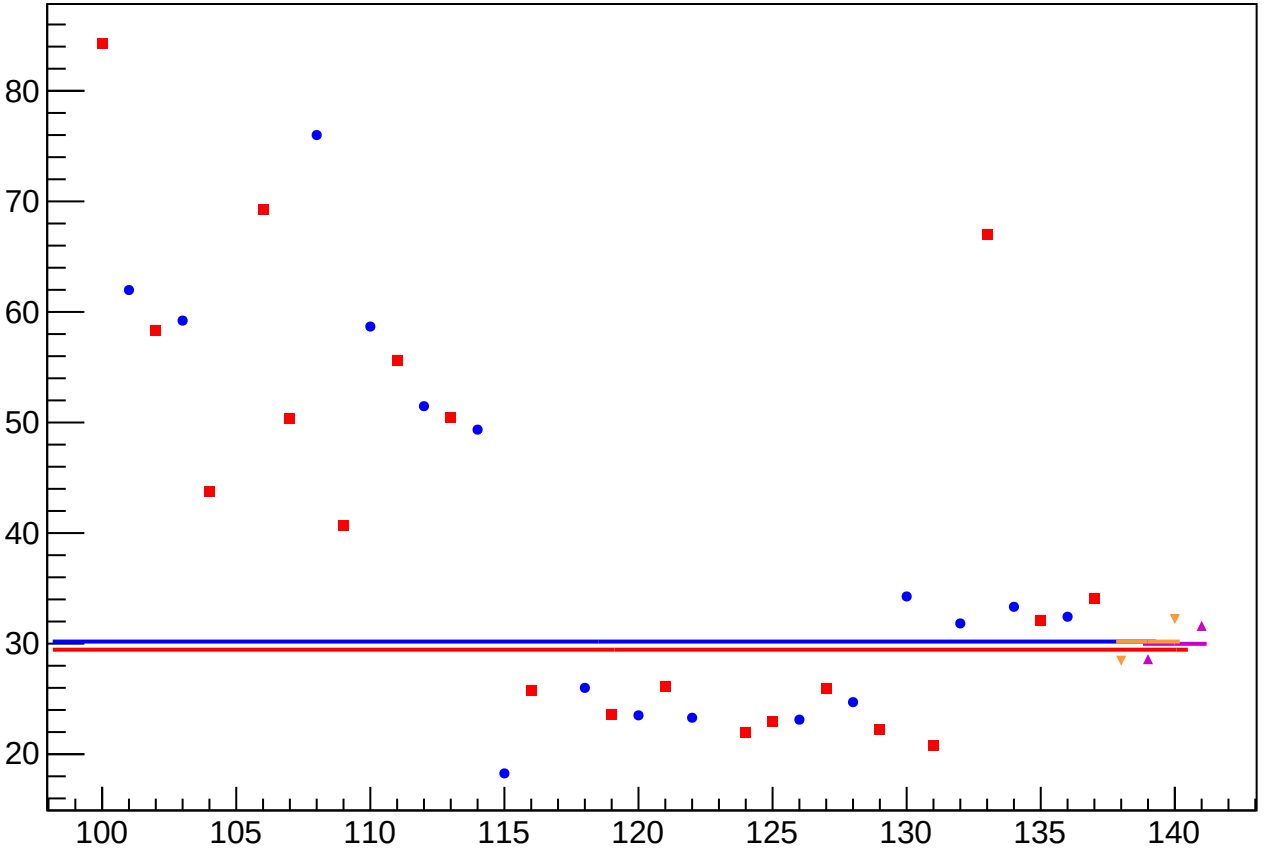
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.004+/-0.011 χ^2/NDF:13.5/17

Out: 0.005+/-0.011 χ^2/NDF:12.4/20

All: 0.005+/-0.008 χ^2/NDF: 26.0/38

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.184+/-0.017 χ^2/NDF:12401.7/1

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.983+/-0.016 χ^2/NDF:8620.5/1

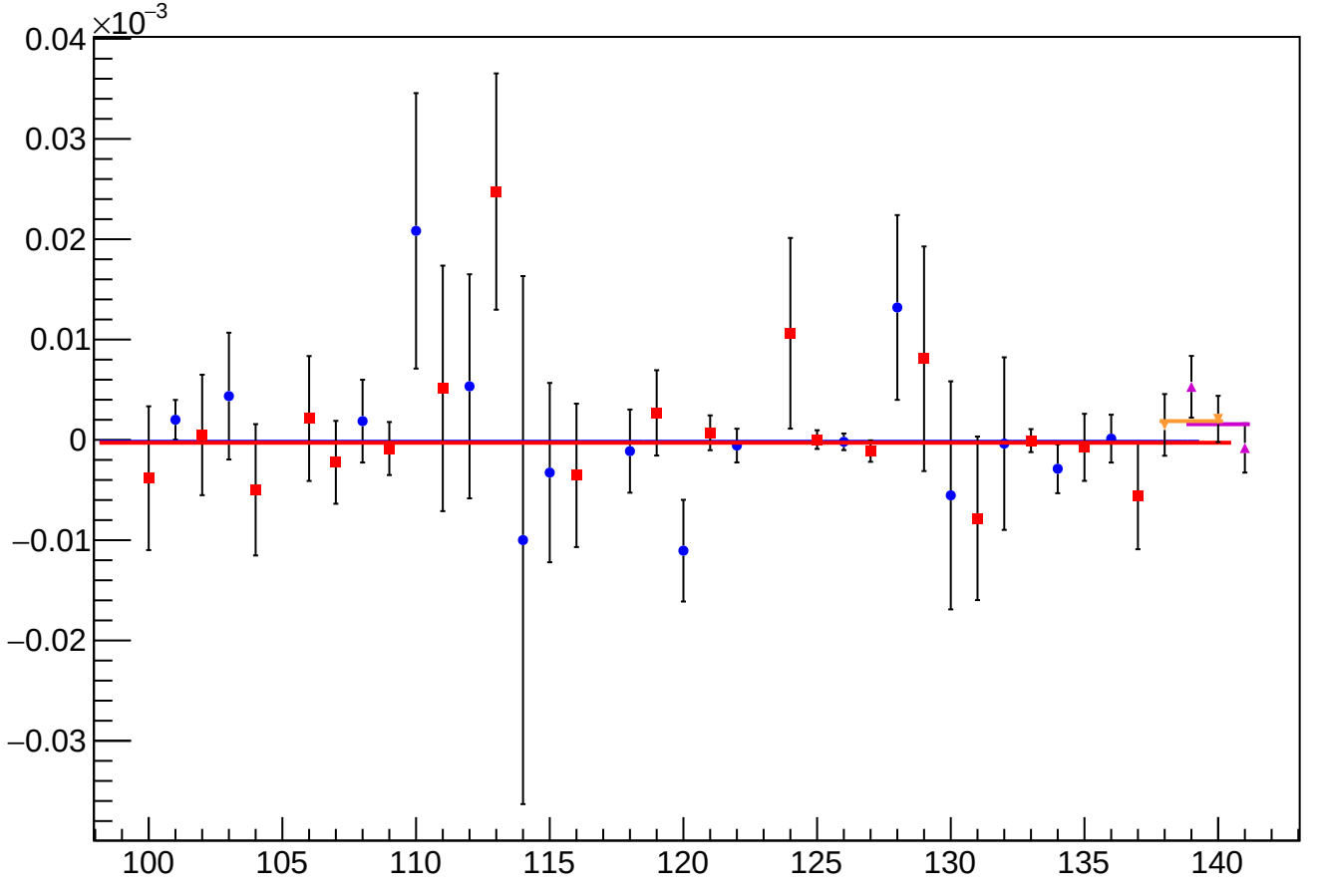
Left: 30.079+/-0.012 χ^2/NDF: 21096.4/3

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.141+/-0.008 χ^2/NDF:1696117.1/17

Out: 29.596+/-0.007 χ^2/NDF:1862554.4/20

All: 29.863+/-0.005 χ^2/NDF: 3561266.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/1

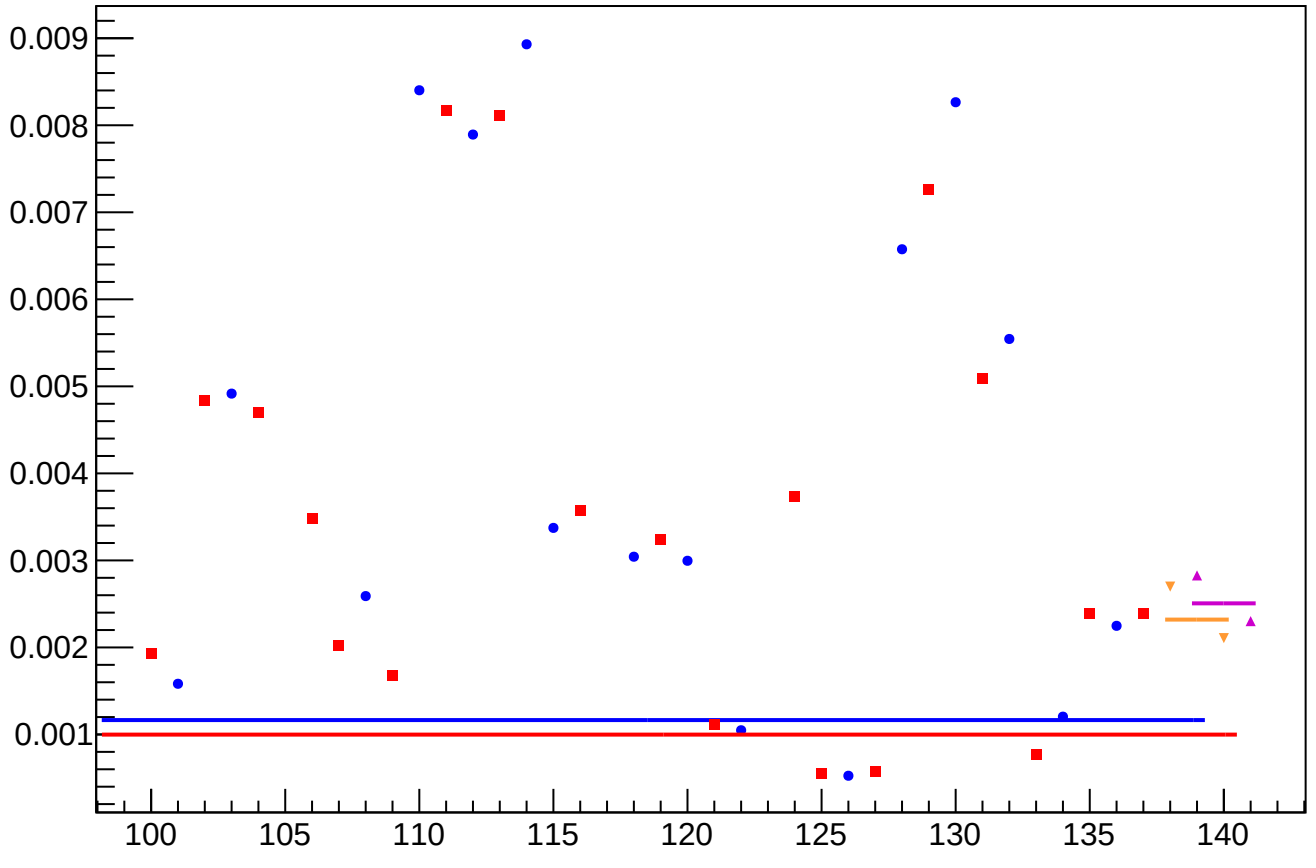
Left: 0.000+/-0.000 χ^2/NDF: 2.4/3

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: -0.000+/-0.000 χ^2/NDF:16.3/17

Out: -0.000+/-0.000 χ^2/NDF:12.7/20

All: -0.000+/-0.000 χ^2/NDF: 29.0/38



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:47463.5/1

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.003+/-0.000 χ^2/NDF:35626.7/1

Left: 0.002+/-0.000 χ^2/NDF: 92923.9/3

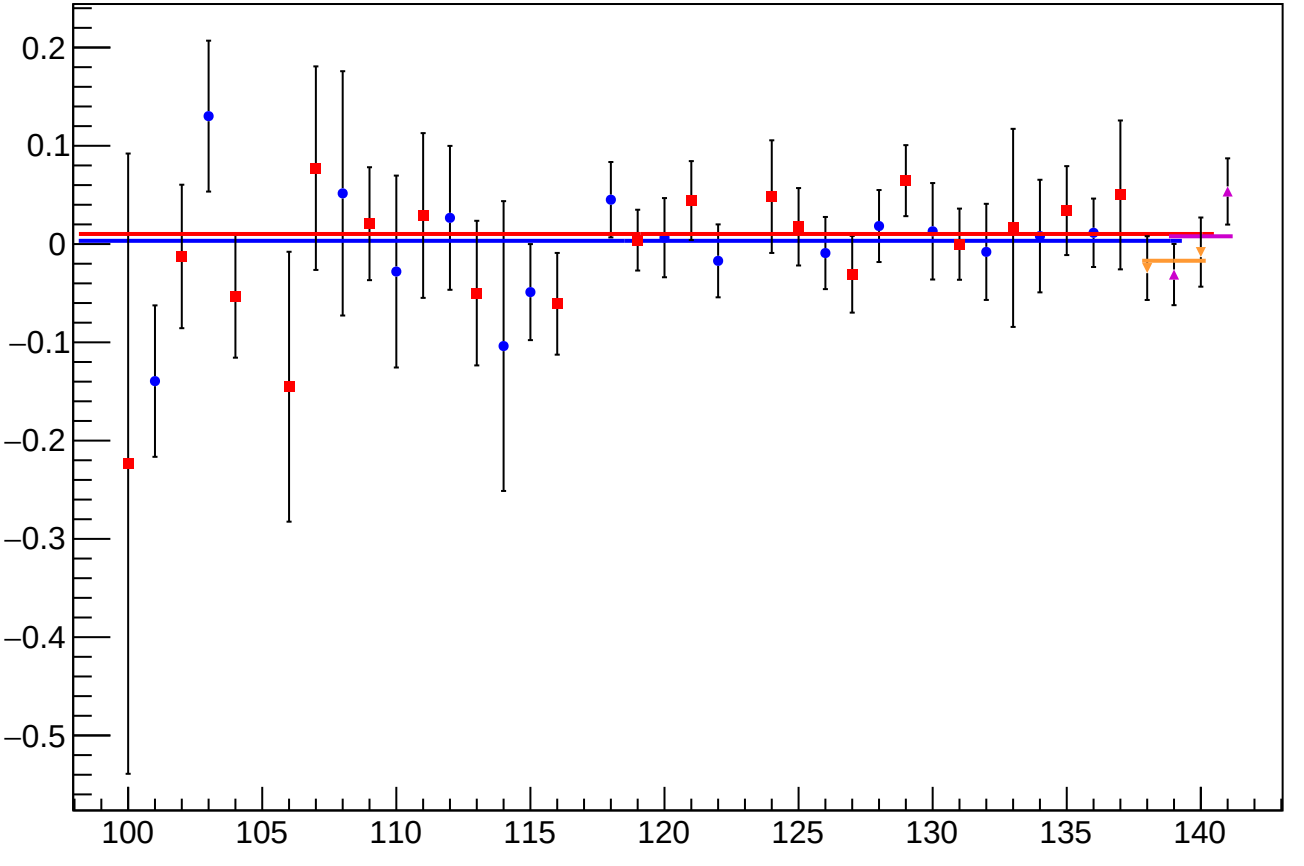
Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:7803961.1/17

Out: 0.001+/-0.000 χ^2/NDF:7935728.5/20

All: 0.001+/-0.000 χ^2/NDF: 15865665.2/38

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.017+/-0.024 χ^2/NDF:0.1/1

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.008+/-0.023 χ^2/NDF:3.4/1

Left: -0.004+/-0.017 χ^2/NDF: 4.1/3

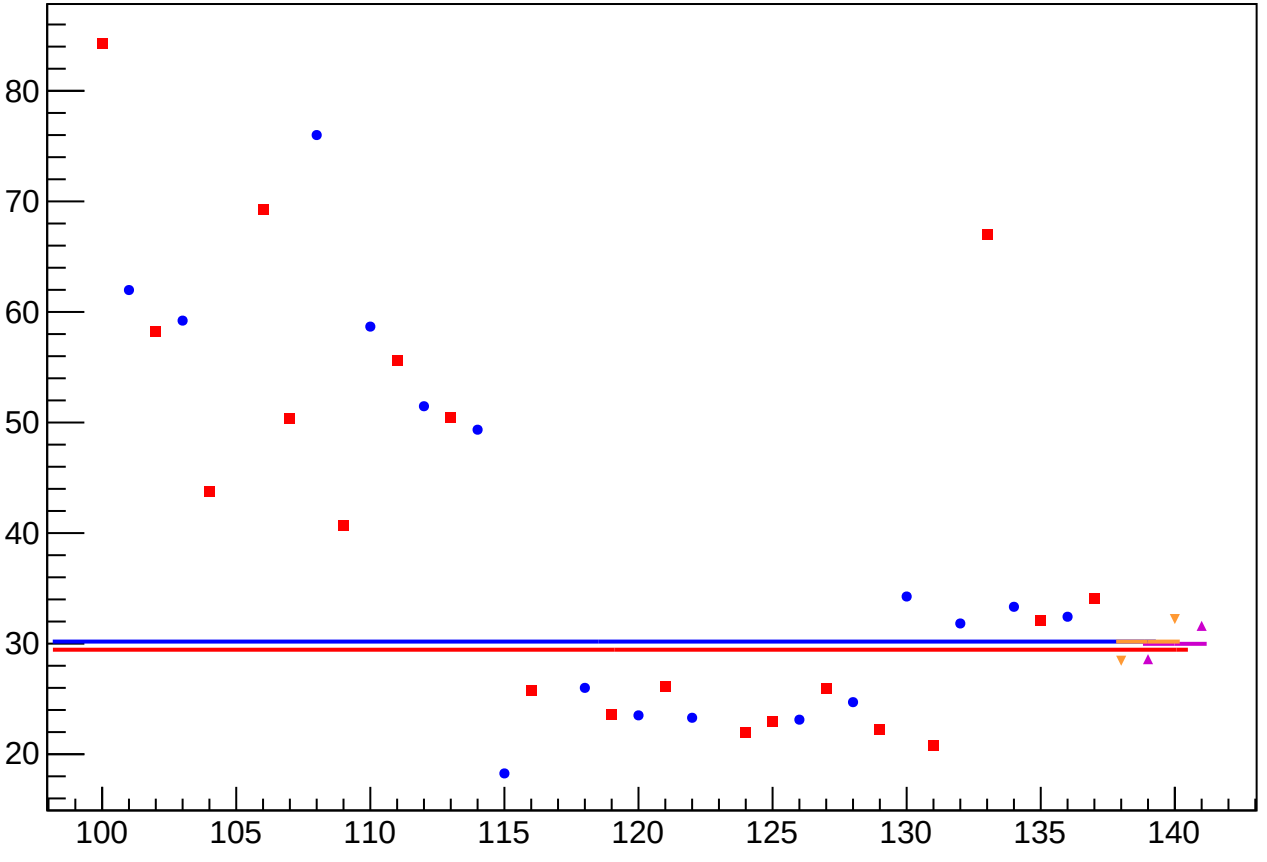
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.004+/-0.011 χ^2/NDF:13.5/17

Out: 0.005+/-0.011 χ^2/NDF:12.4/20

All: 0.005+/-0.008 χ^2/NDF: 26.0/38

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.185+/-0.017 χ^2/NDF:12403.0/1

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.984+/-0.016 χ^2/NDF:8624.0/1

Left: 30.080+/-0.012 χ^2/NDF: 21101.1/3

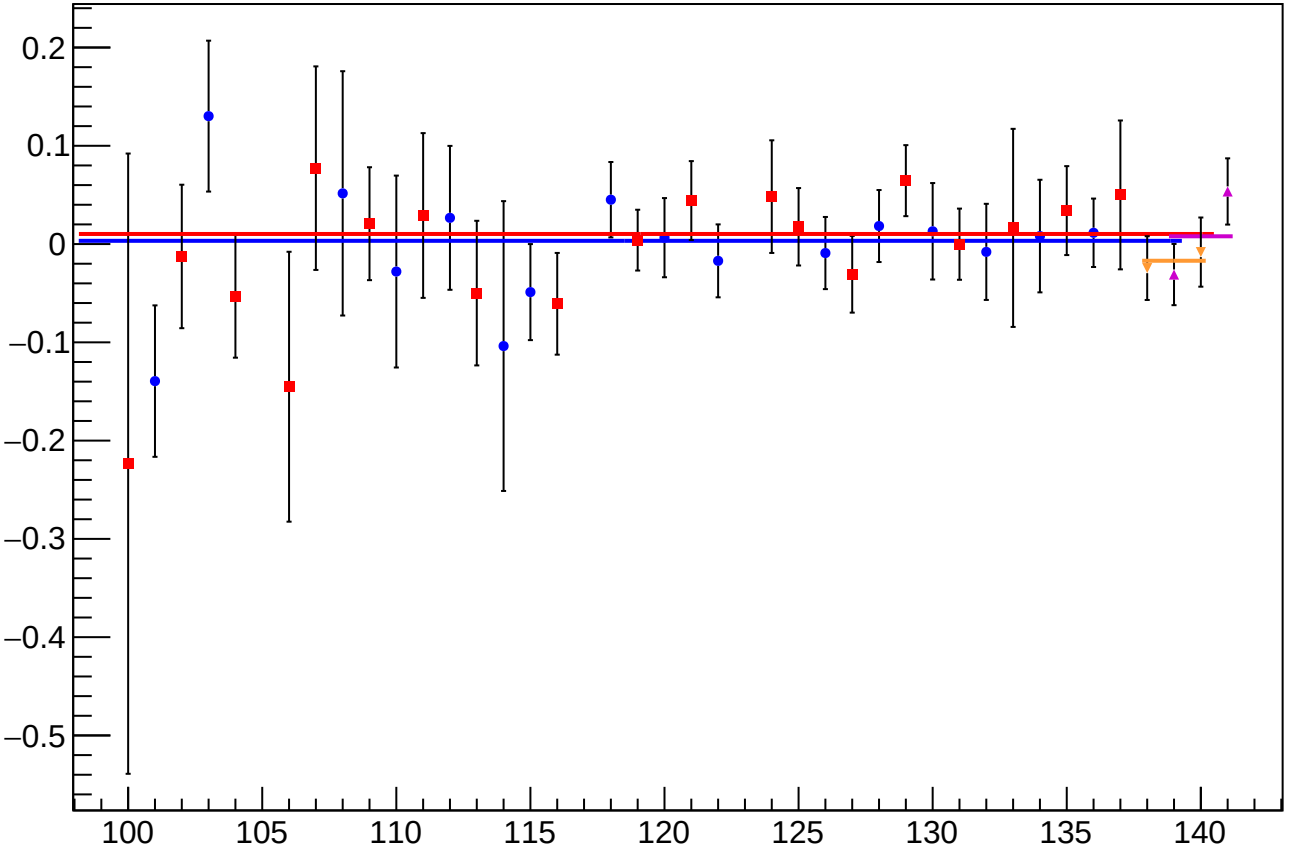
Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.141+/-0.008 χ^2/NDF:1695934.7/17

Out: 29.596+/-0.007 χ^2/NDF:1862556.0/20

All: 29.863+/-0.005 χ^2/NDF: 3561090.7/38

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.017+/-0.024 χ^2/NDF:0.1/1

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.008+/-0.023 χ^2/NDF:3.4/1

Left: -0.004+/-0.017 χ^2/NDF: 4.1/3

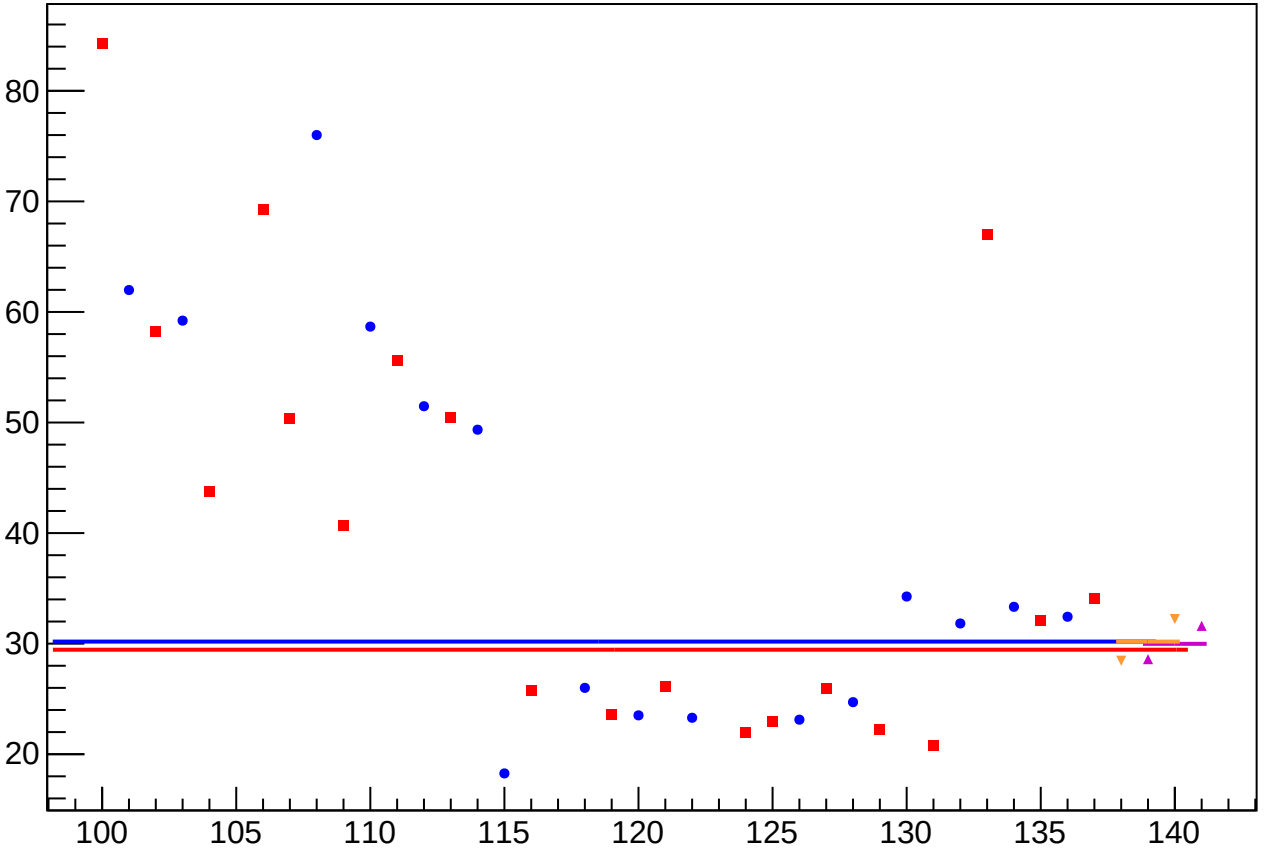
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.004+/-0.011 χ^2/NDF:13.5/17

Out: 0.005+/-0.011 χ^2/NDF:12.4/20

All: 0.005+/-0.008 χ^2/NDF: 26.0/38

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.185+/-0.017 χ^2/NDF:12403.0/1

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.984+/-0.016 χ^2/NDF:8624.0/1

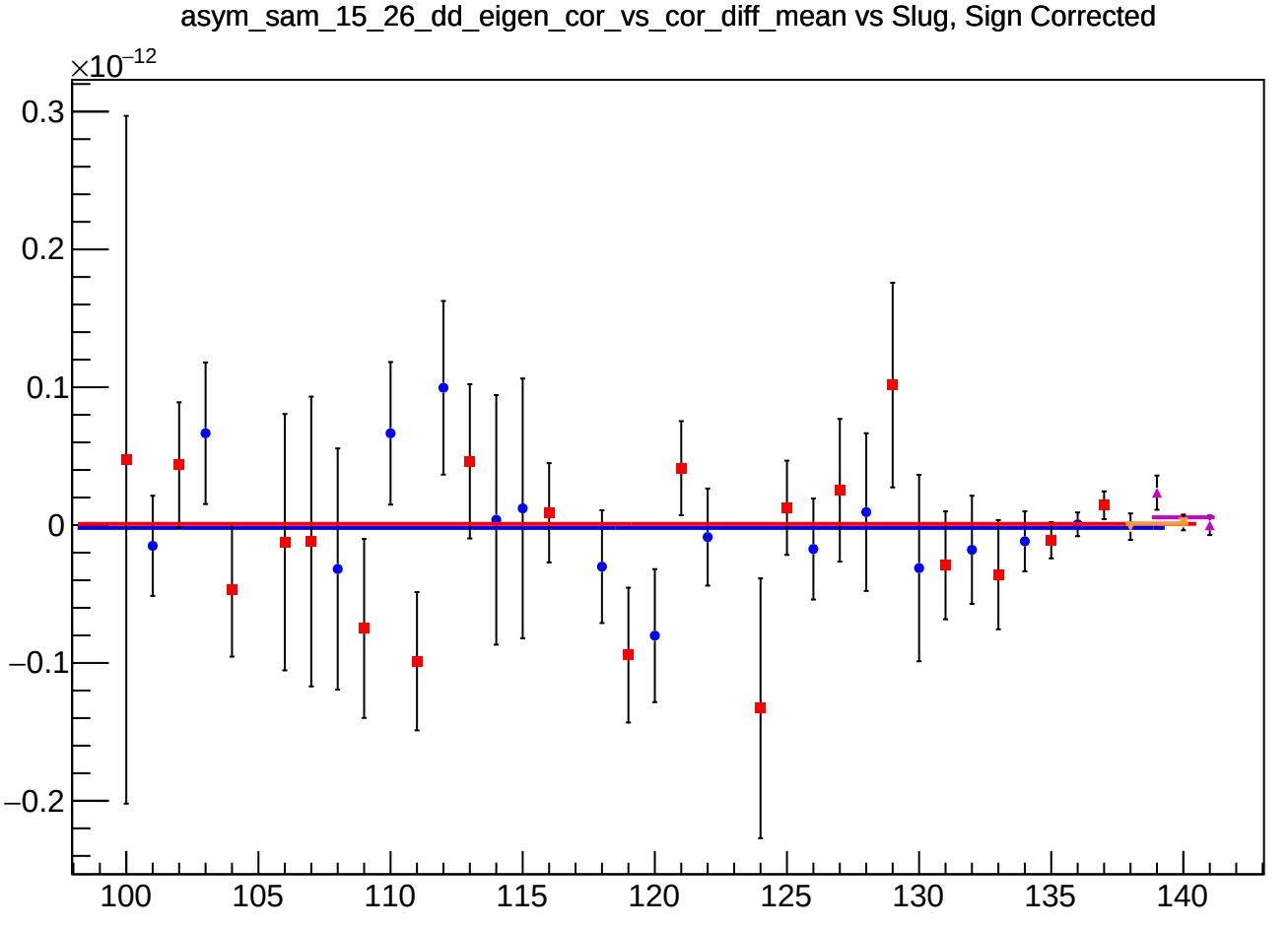
Left: 30.080+/-0.012 χ^2/NDF: 21101.1/3

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.141+/-0.008 χ^2/NDF:1695934.7/17

Out: 29.596+/-0.007 χ^2/NDF:1862556.0/20

All: 29.863+/-0.005 χ^2/NDF: 3561090.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/1

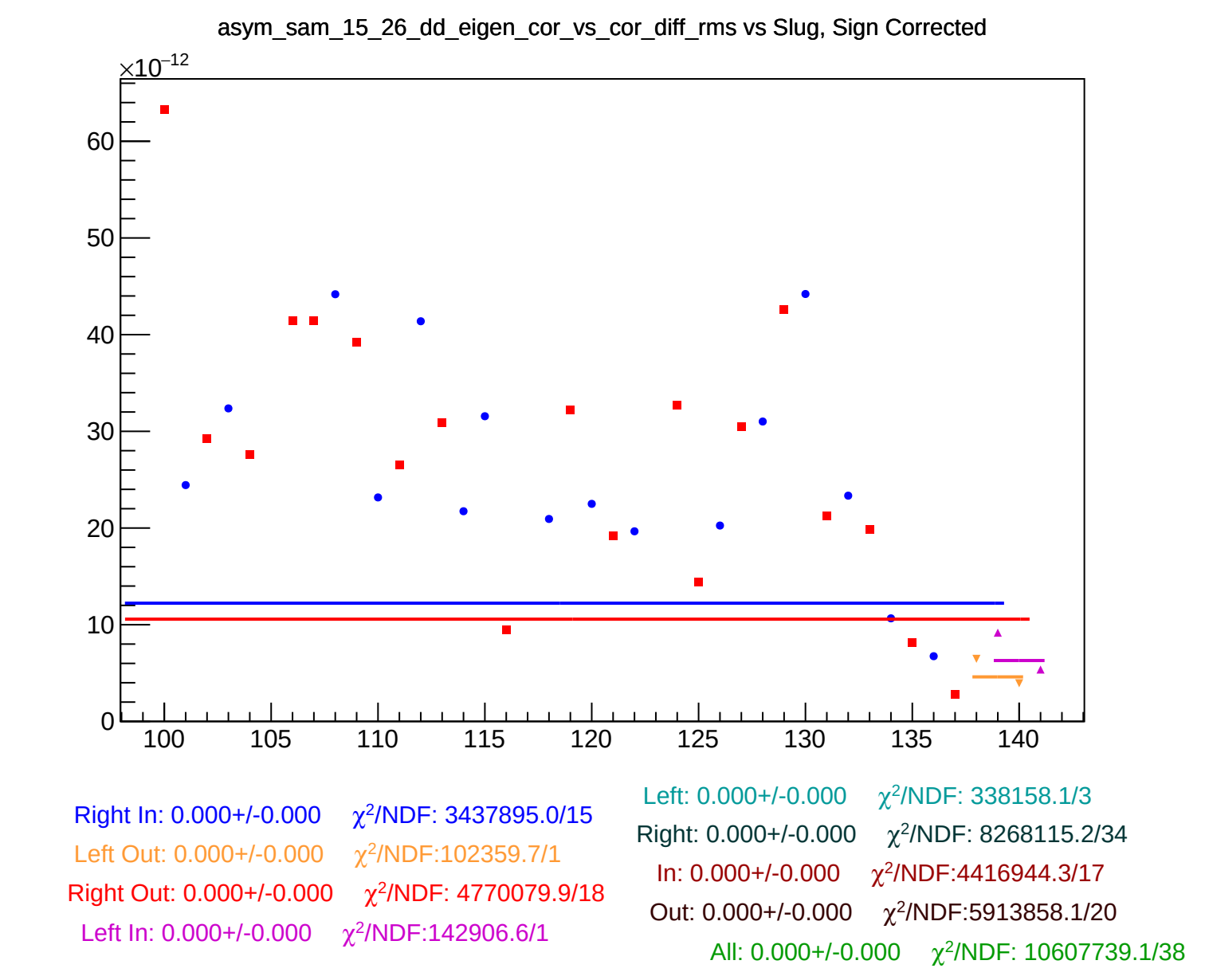
Left: 0.000+/-0.000 χ^2/NDF: 3.2/3

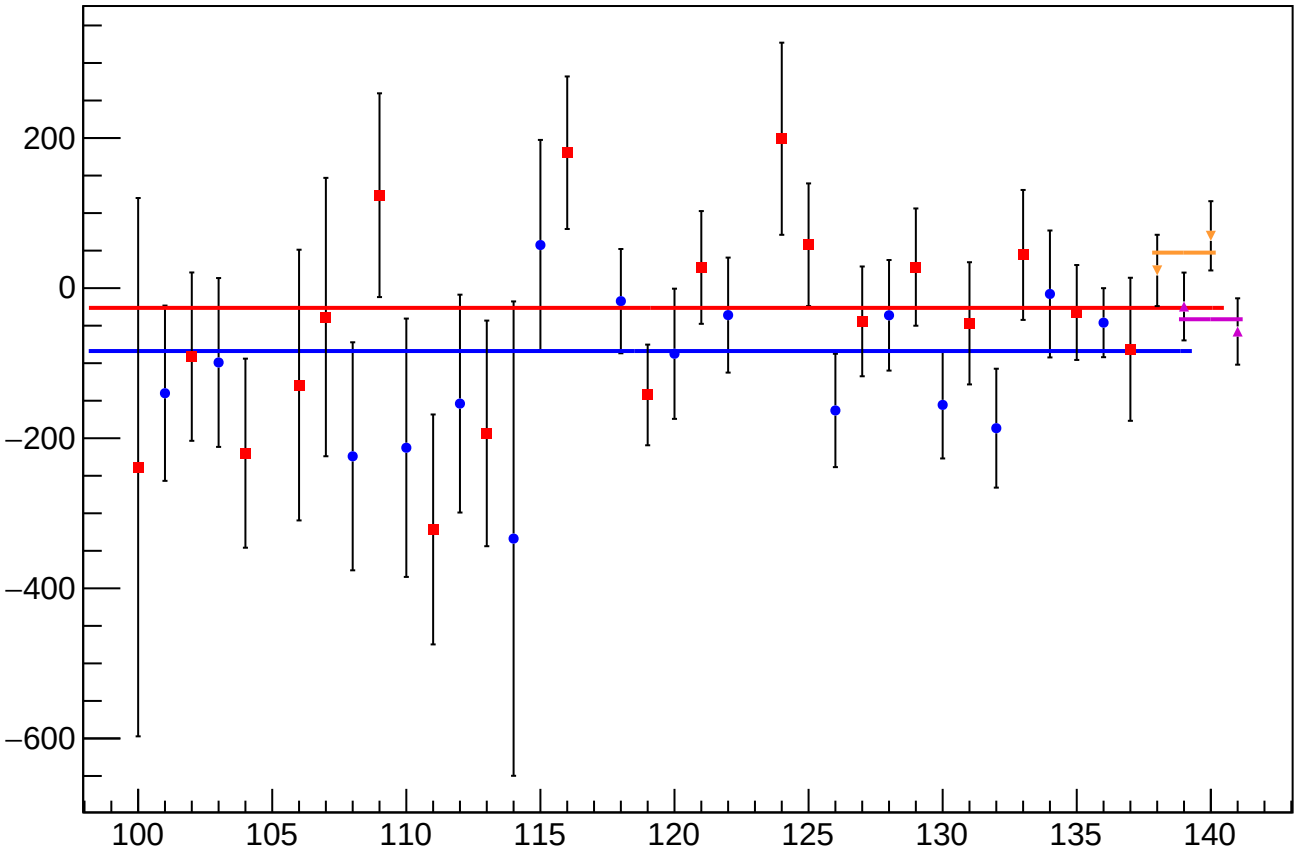
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: 0.000+/-0.000 χ^2/NDF:13.9/17

Out: 0.000+/-0.000 χ^2/NDF:21.5/20

All: 0.000+/-0.000 χ^2/NDF: 35.4/38


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:102359.7/1
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:142906.6/1
Left: 0.000+/-0.000 χ²/NDF: 338158.1/3
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:4416944.3/17
Out: 0.000+/-0.000 χ²/NDF:5913858.1/20
All: 0.000+/-0.000 χ²/NDF: 10607739.1/38



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.319+/-33.102 χ^2/NDF:0.5/1

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -41.459+/-31.601 χ^2/NDF:0.3/1

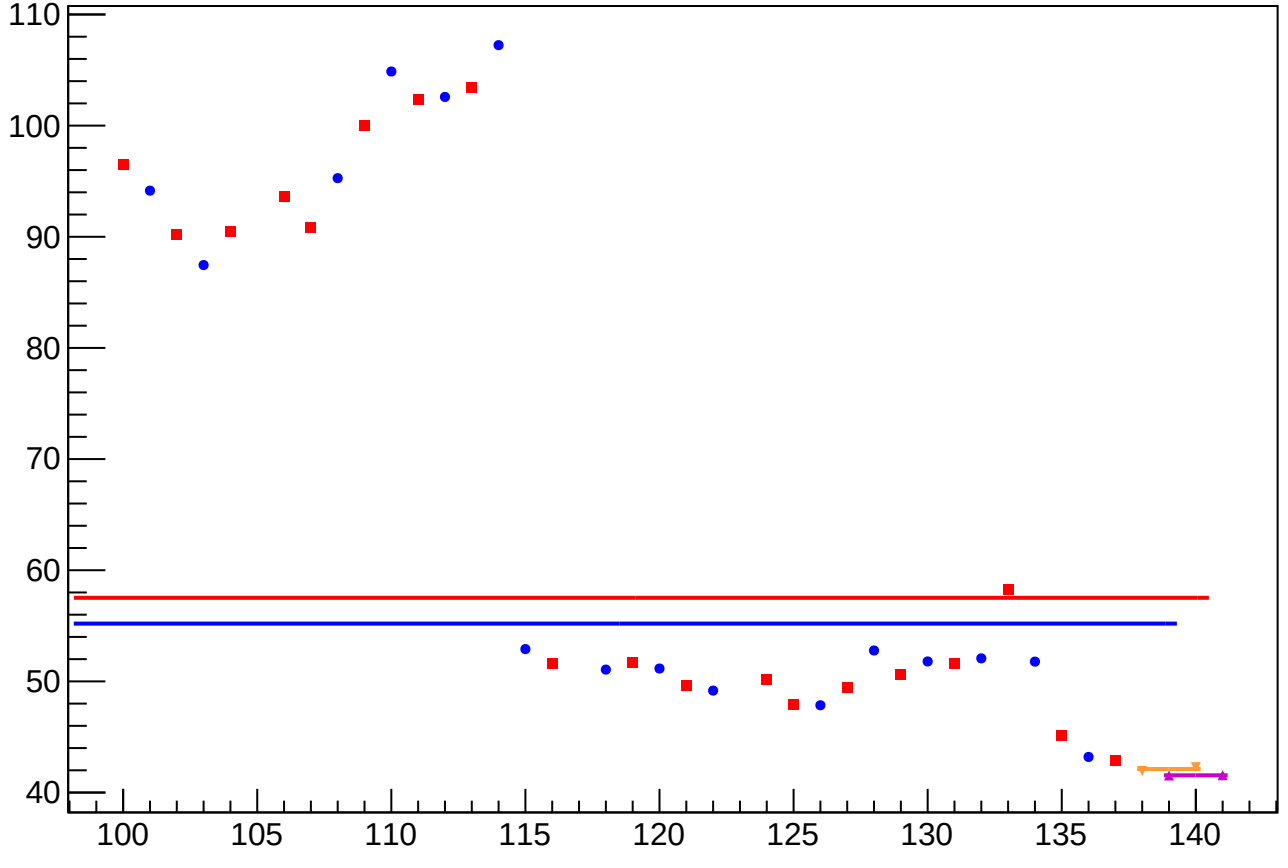
Left: 0.872+/-22.857 χ^2/NDF: 4.5/3

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -70.464+/-17.739 χ^2/NDF:12.1/17

Out: -3.650+/-18.361 χ^2/NDF:26.9/20

All: -38.208+/-12.758 χ^2/NDF: 45.8/38



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 42.113+/-0.023 χ^2/NDF:52.6/1

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 41.551+/-0.022 χ^2/NDF:0.4/1

Left: 41.819+/-0.016 χ^2/NDF: 354.5/3

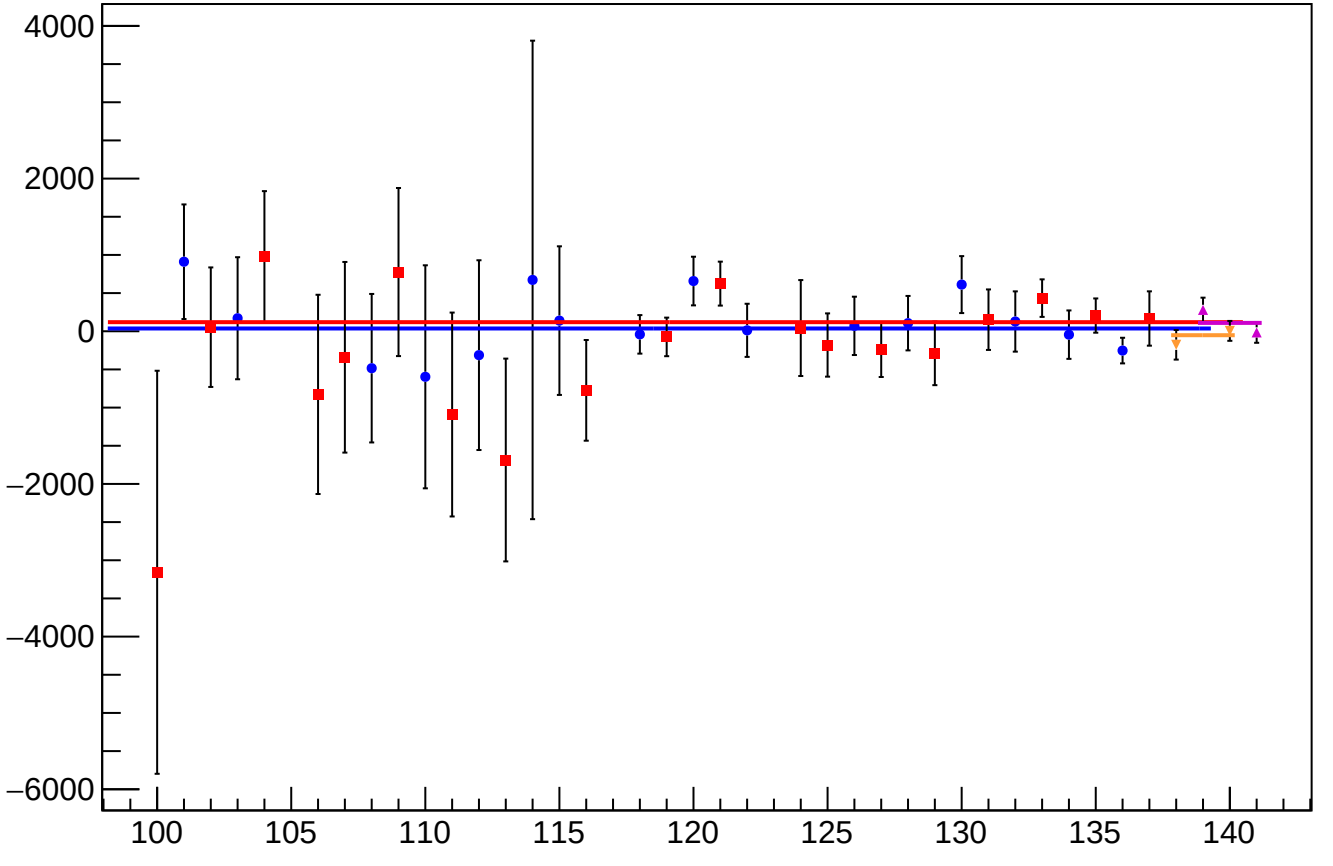
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 50.898+/-0.013 χ^2/NDF:1408022.4/17

Out: 52.779+/-0.013 χ^2/NDF:1581775.2/20

All: 51.806+/-0.009 χ^2/NDF: 3000659.1/38

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -51.662+/-108.089 χ^2/NDF:0.6/1

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 109.626+/-103.683 χ^2/NDF:2.0/1

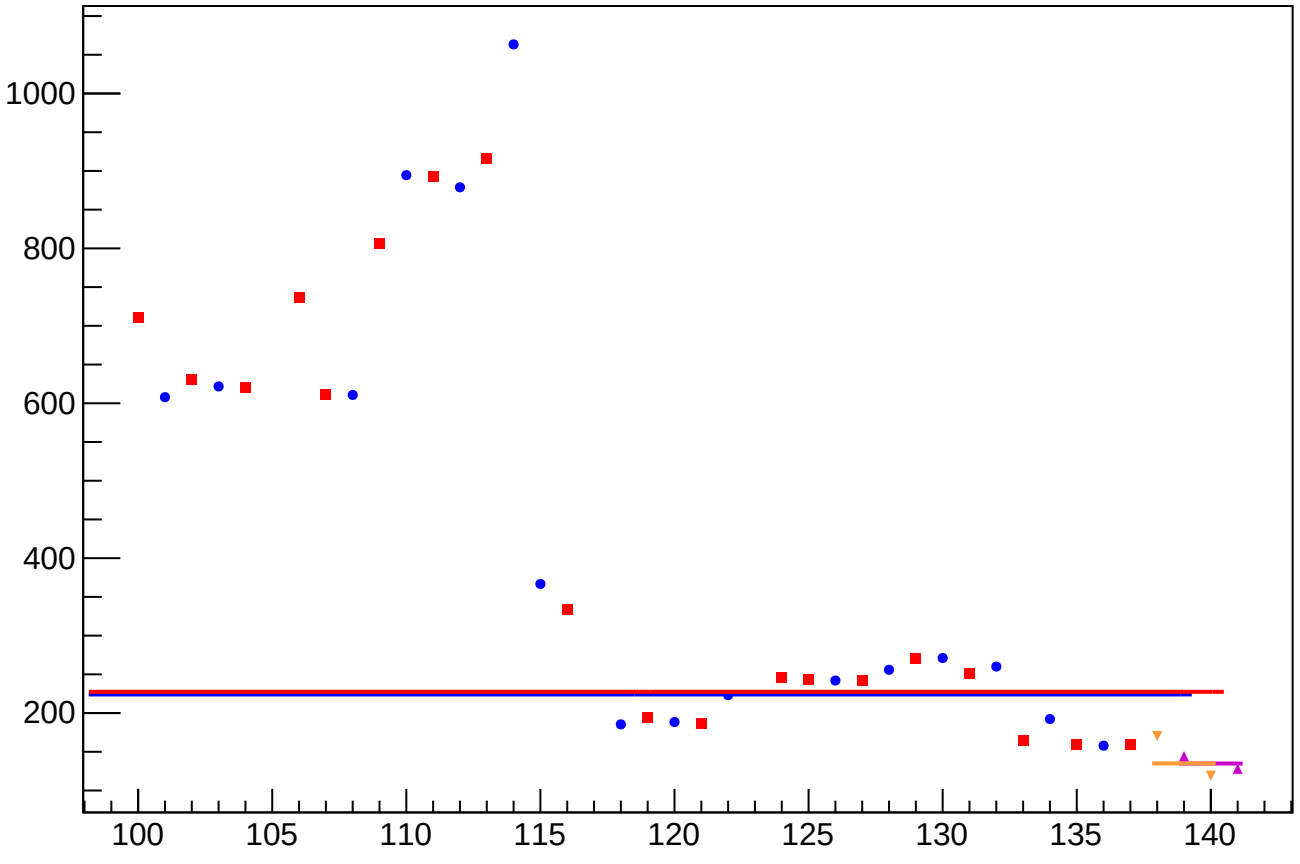
Left: 32.336+/-74.824 χ^2/NDF: 3.7/3

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 69.225+/-69.462 χ^2/NDF:13.7/17

Out: 43.982+/-71.708 χ^2/NDF:18.0/20

All: 57.005+/-49.892 χ^2/NDF: 31.8/38



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 135.011+/-0.076 χ^2/NDF:96170.7/1

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 134.829+/-0.073 χ^2/NDF:11900.7/1

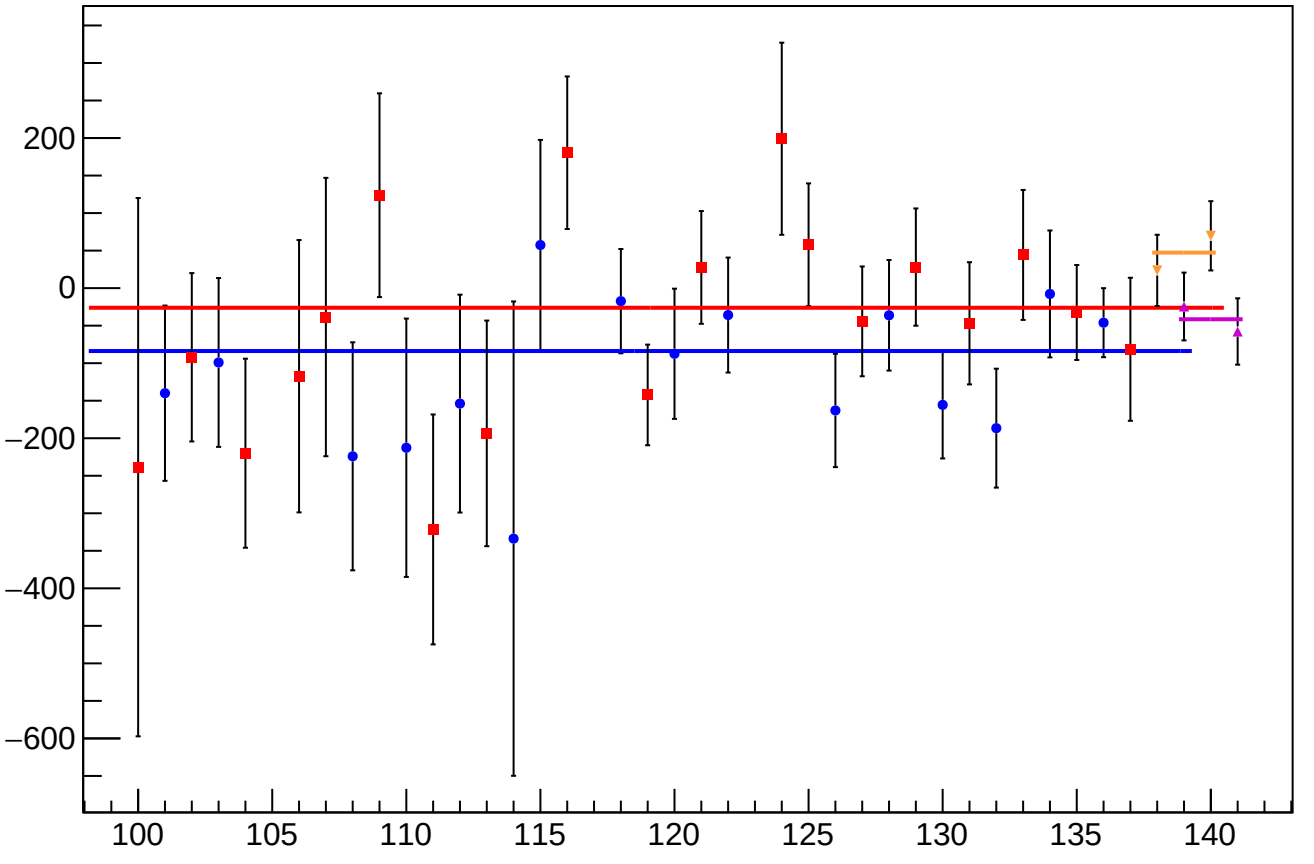
Left: 134.917+/-0.053 χ^2/NDF: 108074.4/3

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 184.001+/-0.049 χ^2/NDF:3796074.3/17

Out: 186.767+/-0.051 χ^2/NDF:4555796.2/20

All: 185.340+/-0.035 χ^2/NDF: 8353405.7/38



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.321+/-33.102 χ^2/NDF:0.5/1

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -41.466+/-31.601 χ^2/NDF:0.3/1

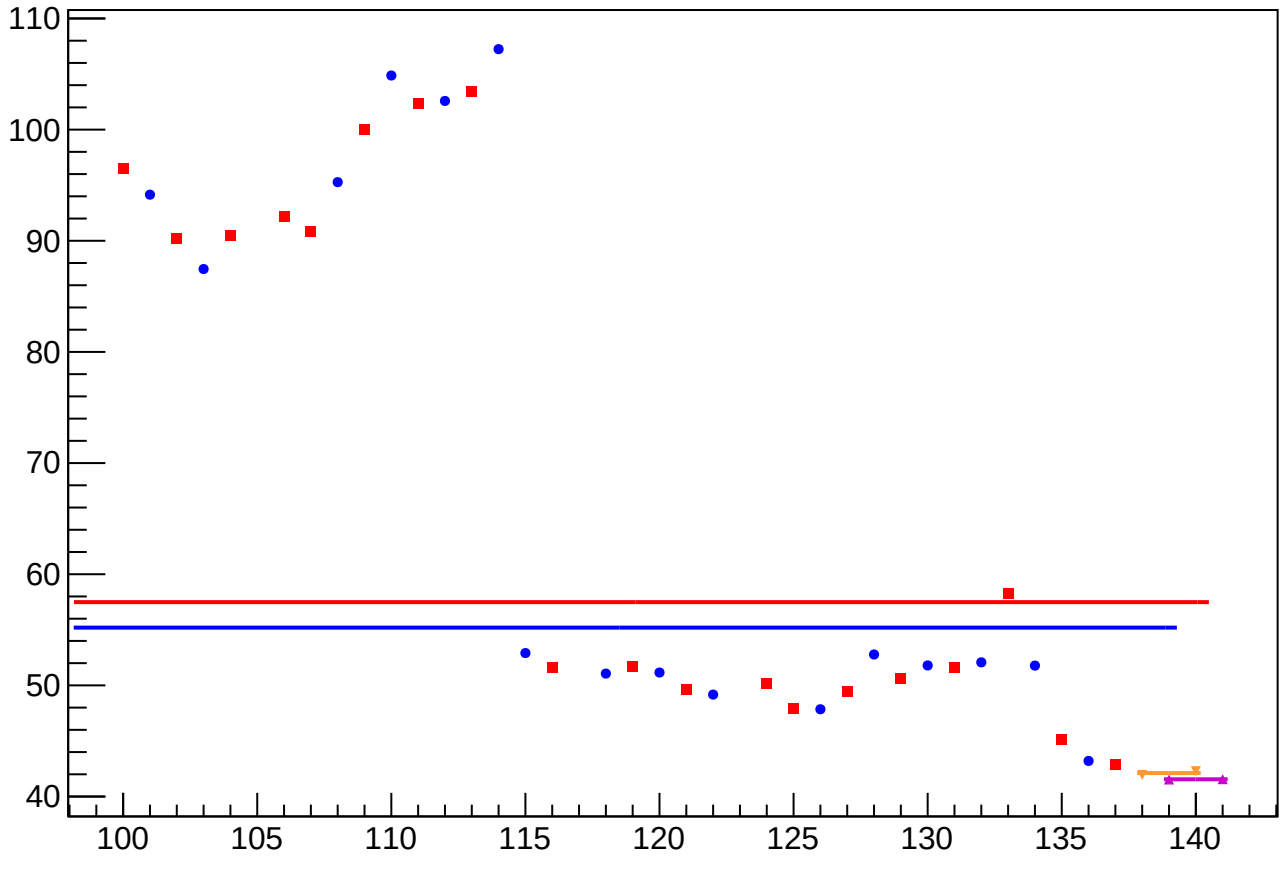
Left: 0.870+/-22.857 χ^2/NDF: 4.5/3

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -70.464+/-17.739 χ^2/NDF:12.1/17

Out: -3.536+/-18.362 χ^2/NDF:26.8/20

All: -38.155+/-12.758 χ^2/NDF: 45.7/38



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 42.113+/-0.023 χ^2/NDF:52.6/1

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.551+/-0.022 χ^2/NDF:0.4/1

Left: 41.819+/-0.016 χ^2/NDF: 354.5/3

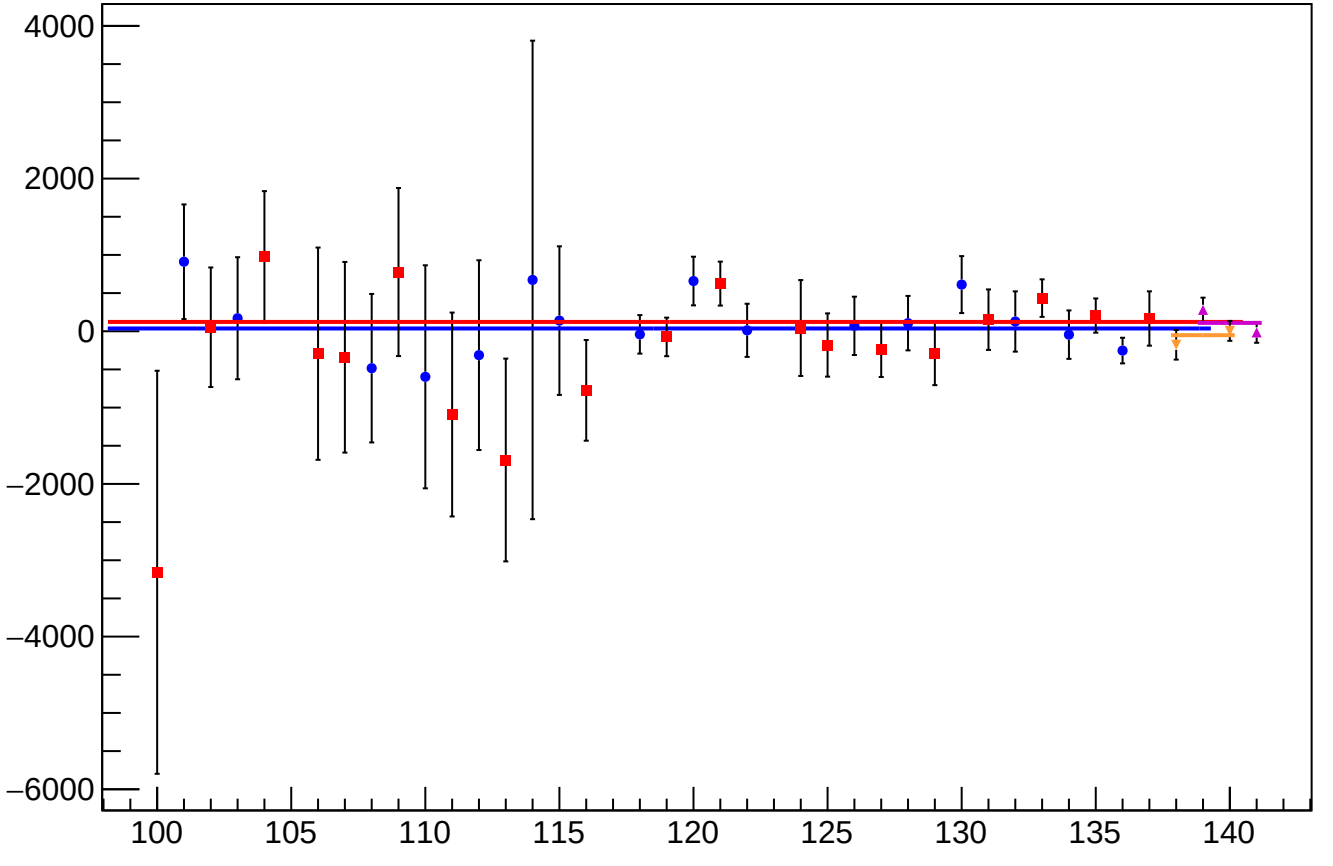
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 50.898+/-0.013 χ^2/NDF:1408022.6/17

Out: 52.758+/-0.013 χ^2/NDF:1573228.9/20

All: 51.796+/-0.009 χ^2/NDF: 2991875.6/38

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -51.660+/-108.089 χ^2/NDF:0.6/1

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 109.626+/-103.683 χ^2/NDF:2.0/1

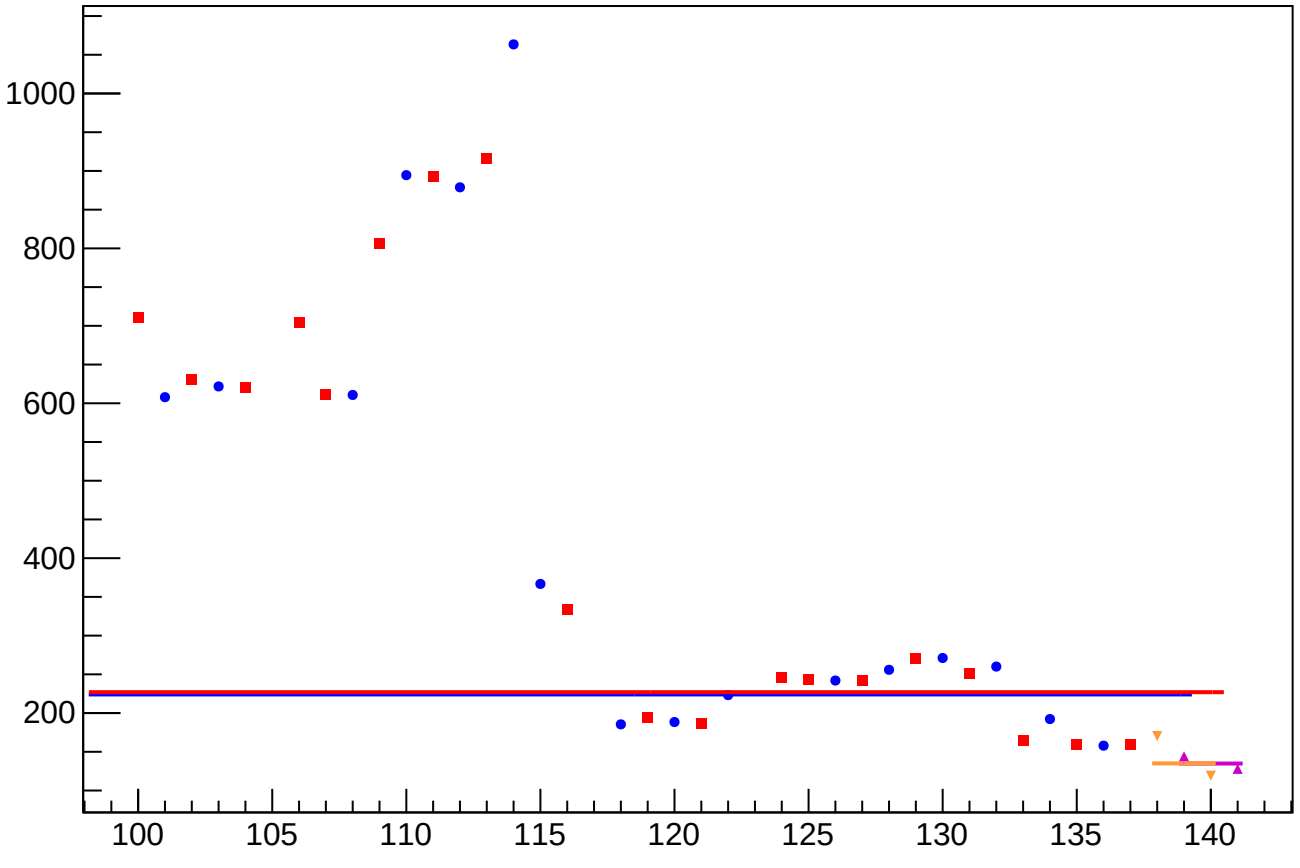
Left: 32.337+/-74.824 χ^2/NDF: 3.7/3

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 69.226+/-69.462 χ^2/NDF:13.7/17

Out: 45.703+/-71.721 χ^2/NDF:17.6/20

All: 57.840+/-49.897 χ^2/NDF: 31.4/38



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 135.011+/-0.076 χ^2/NDF:96169.5/1

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 134.829+/-0.073 χ^2/NDF:11900.7/1

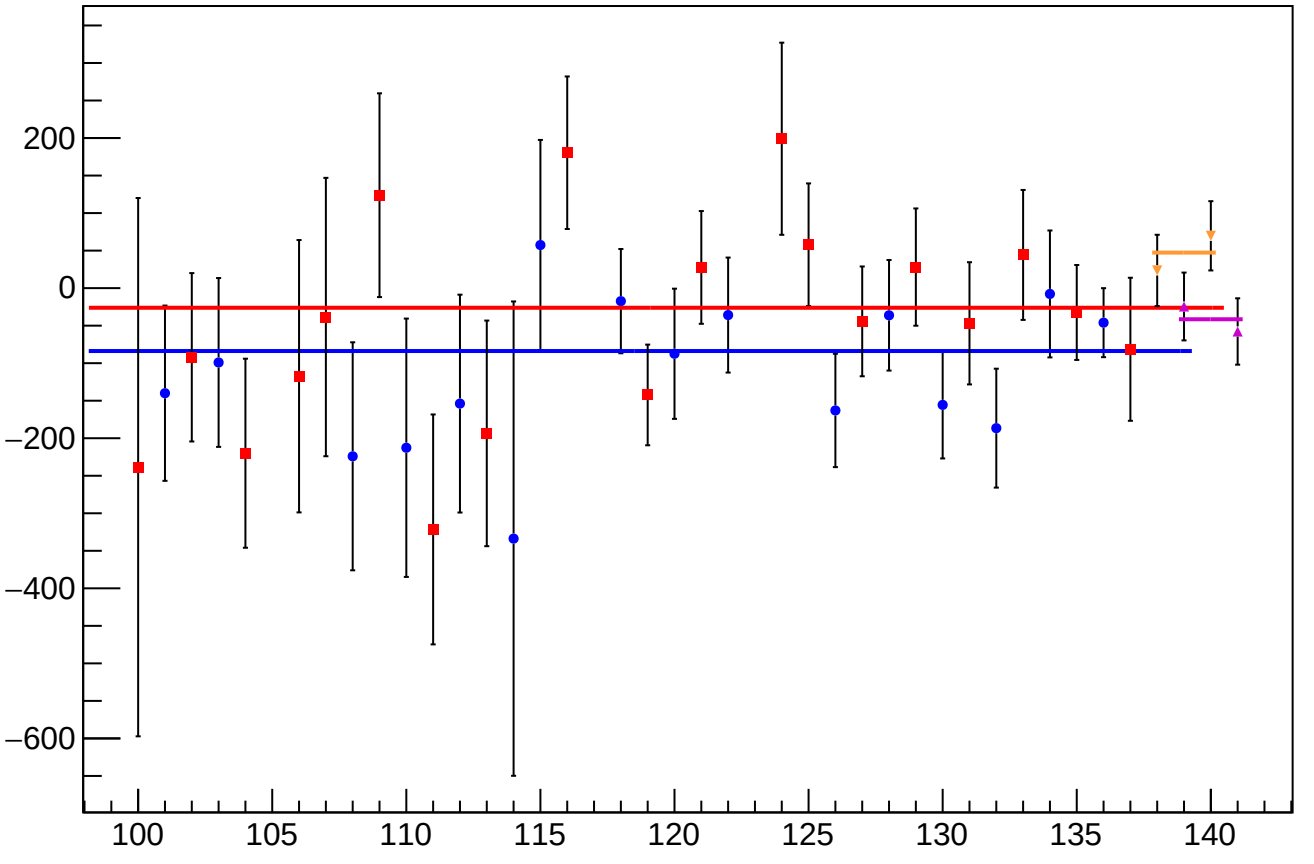
Left: 134.917+/-0.053 χ^2/NDF: 108073.1/3

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 184.001+/-0.049 χ^2/NDF:3796080.8/17

Out: 186.483+/-0.051 χ^2/NDF:4478394.4/20

All: 185.202+/-0.035 χ^2/NDF: 8275711.6/38



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 47.321+/-33.102 χ^2/NDF:0.5/1

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -41.466+/-31.601 χ^2/NDF:0.3/1

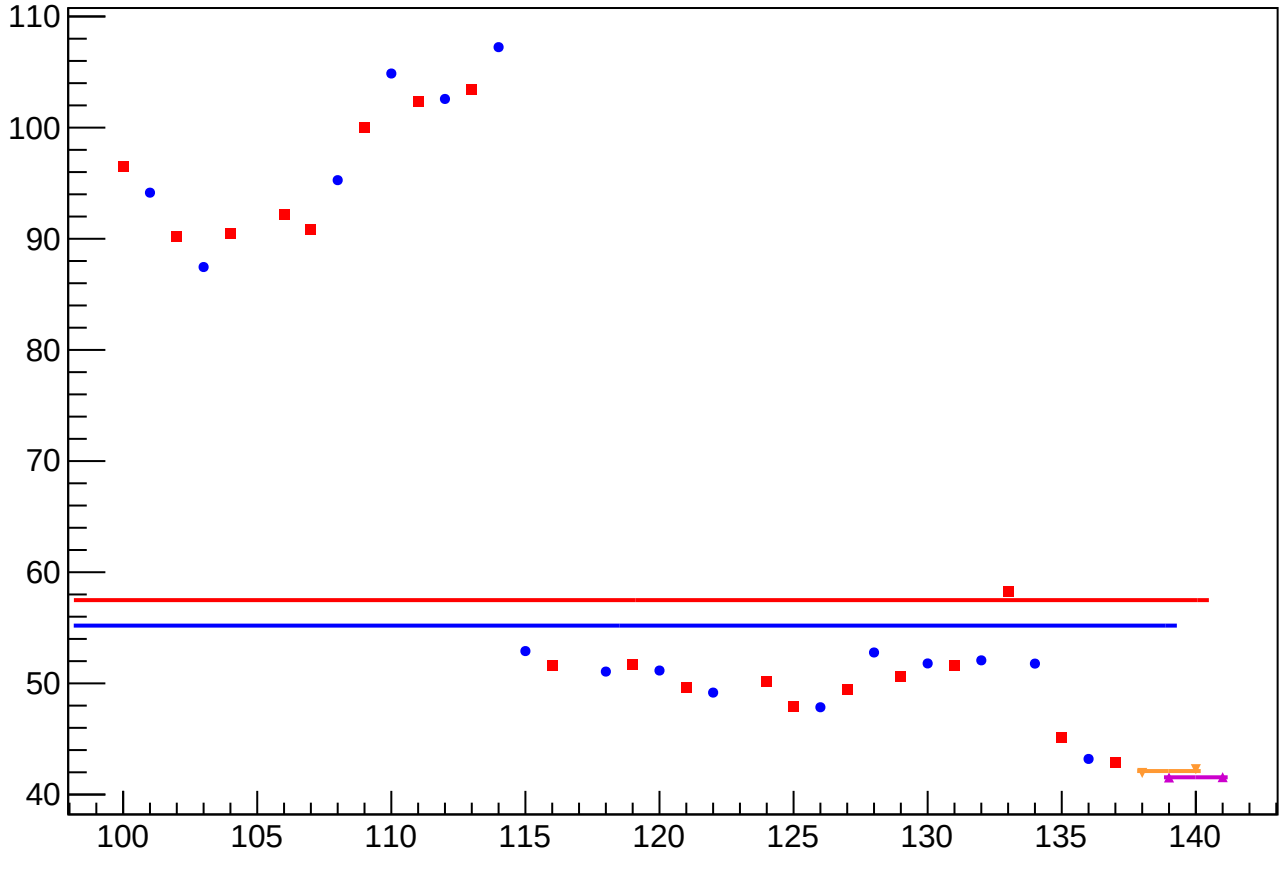
Left: 0.870+/-22.857 χ^2/NDF: 4.5/3

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -70.464+/-17.739 χ^2/NDF:12.1/17

Out: -3.536+/-18.362 χ^2/NDF:26.8/20

All: -38.155+/-12.758 χ^2/NDF: 45.7/38



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 42.113+/-0.023 χ^2/NDF:52.6/1

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.551+/-0.022 χ^2/NDF:0.4/1

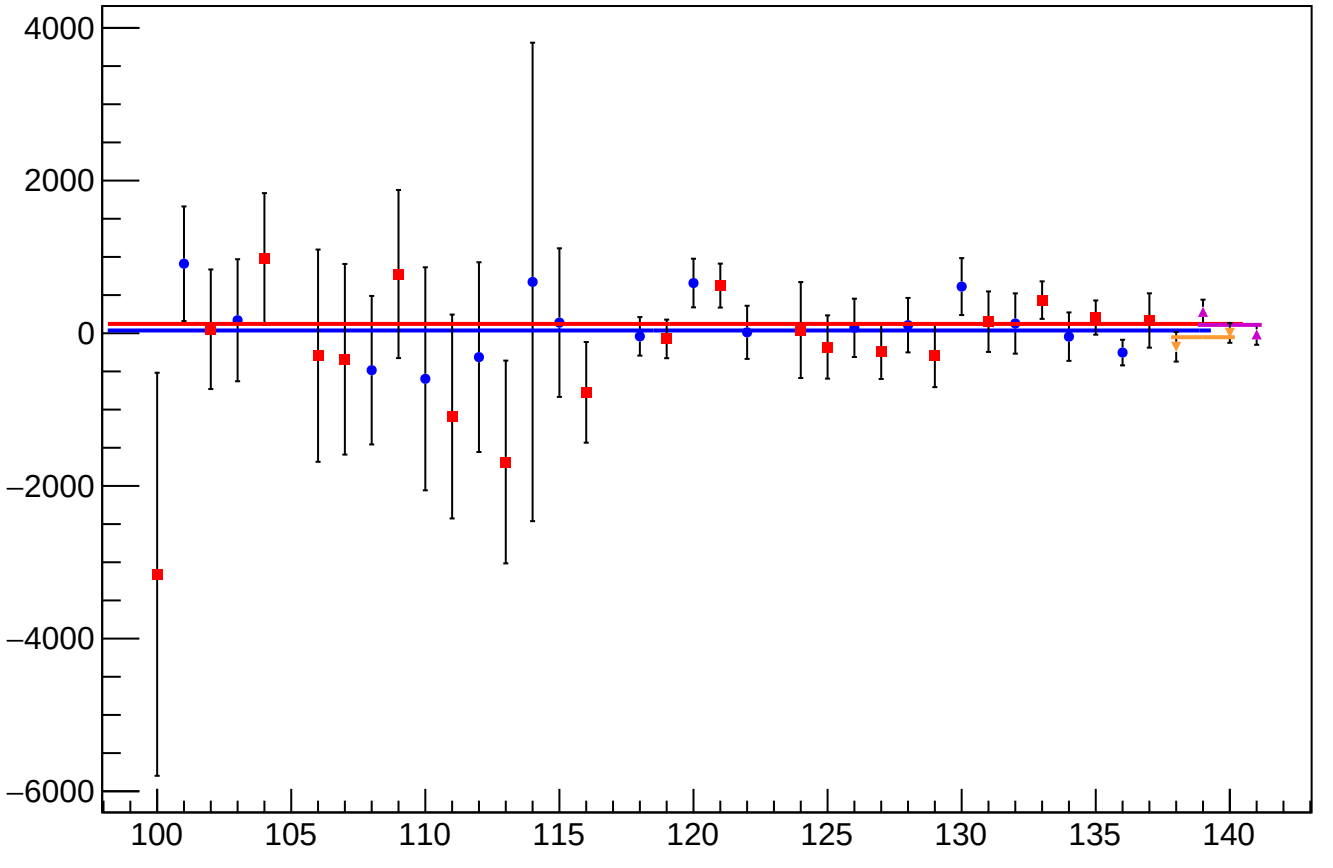
Left: 41.819+/-0.016 χ^2/NDF: 354.5/3

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 50.898+/-0.013 χ^2/NDF:1408022.6/17

Out: 52.758+/-0.013 χ^2/NDF:1573228.9/20

All: 51.796+/-0.009 χ^2/NDF: 2991875.6/38



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -51.660+/-108.089 χ^2/NDF:0.6/1

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 109.626+/-103.683 χ^2/NDF:2.0/1

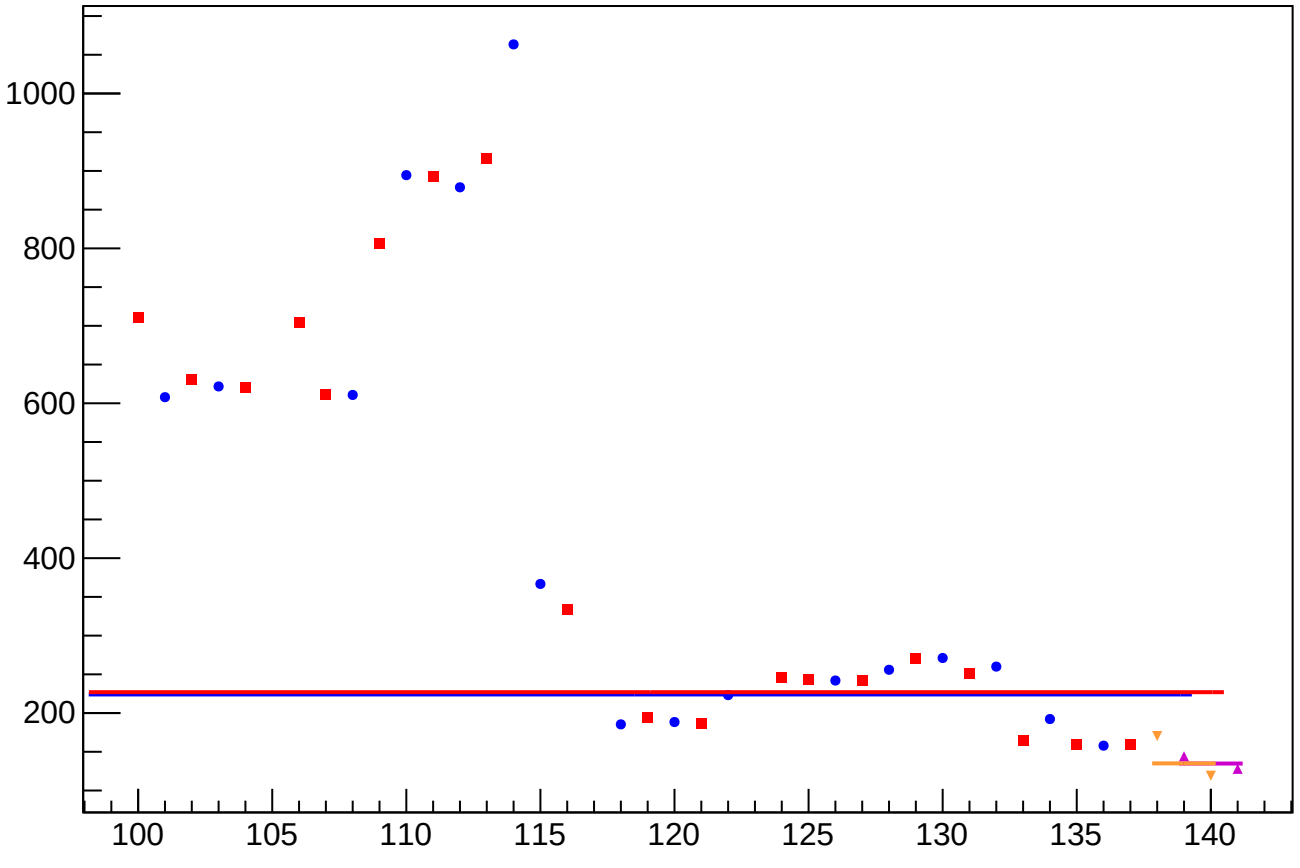
Left: 32.337+/-74.824 χ^2/NDF: 3.7/3

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 69.226+/-69.462 χ^2/NDF:13.7/17

Out: 45.703+/-71.721 χ^2/NDF:17.6/20

All: 57.840+/-49.897 χ^2/NDF: 31.4/38



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 135.011+/-0.076 χ^2/NDF:96169.5/1

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 134.829+/-0.073 χ^2/NDF:11900.7/1

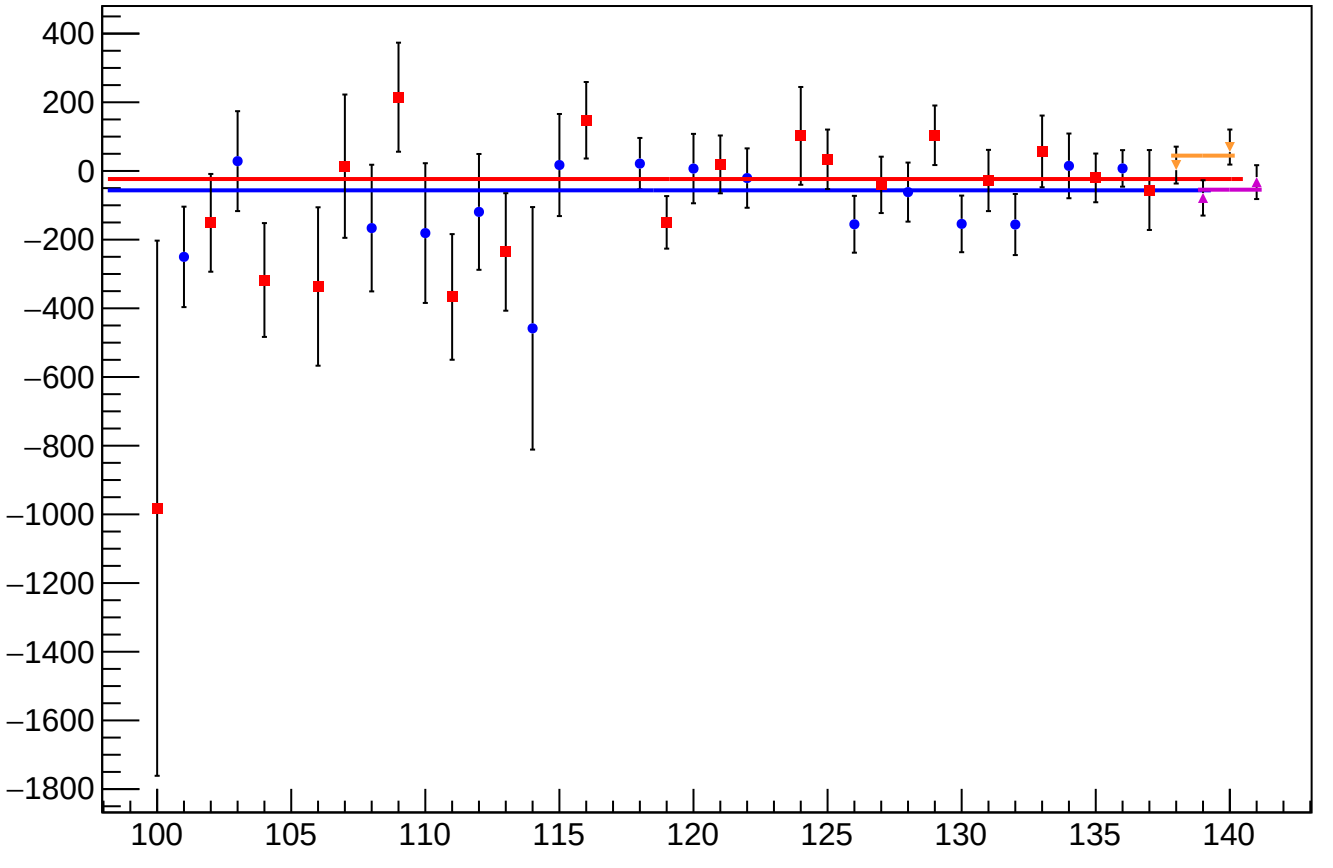
Left: 134.917+/-0.053 χ^2/NDF: 108073.1/3

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 184.001+/-0.049 χ^2/NDF:3796080.8/17

Out: 186.483+/-0.051 χ^2/NDF:4478394.4/20

All: 185.202+/-0.035 χ^2/NDF: 8275711.6/38



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 44.650+/-36.988 χ^2/NDF:0.5/1

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -54.533+/-35.595 χ^2/NDF:0.4/1

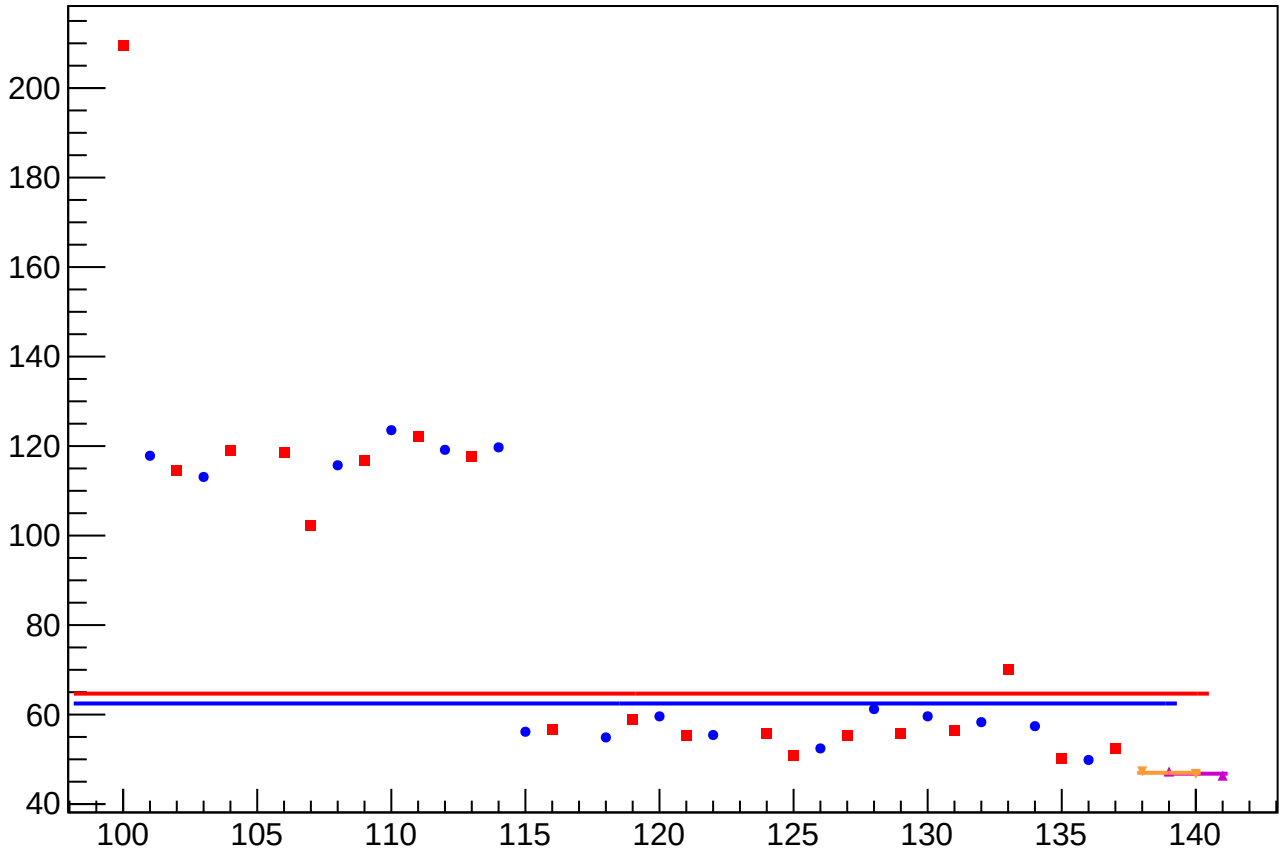
Left: -6.845+/-25.648 χ^2/NDF: 4.7/3

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -55.809+/-20.175 χ^2/NDF:12.7/17

Out: -1.939+/-20.804 χ^2/NDF:26.9/20

All: -29.700+/-14.483 χ^2/NDF: 43.0/38



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 46.991+/-0.026 χ^2/NDF:114.0/1

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 46.791+/-0.025 χ^2/NDF:328.4/1

Left: 46.887+/-0.018 χ^2/NDF: 472.6/3

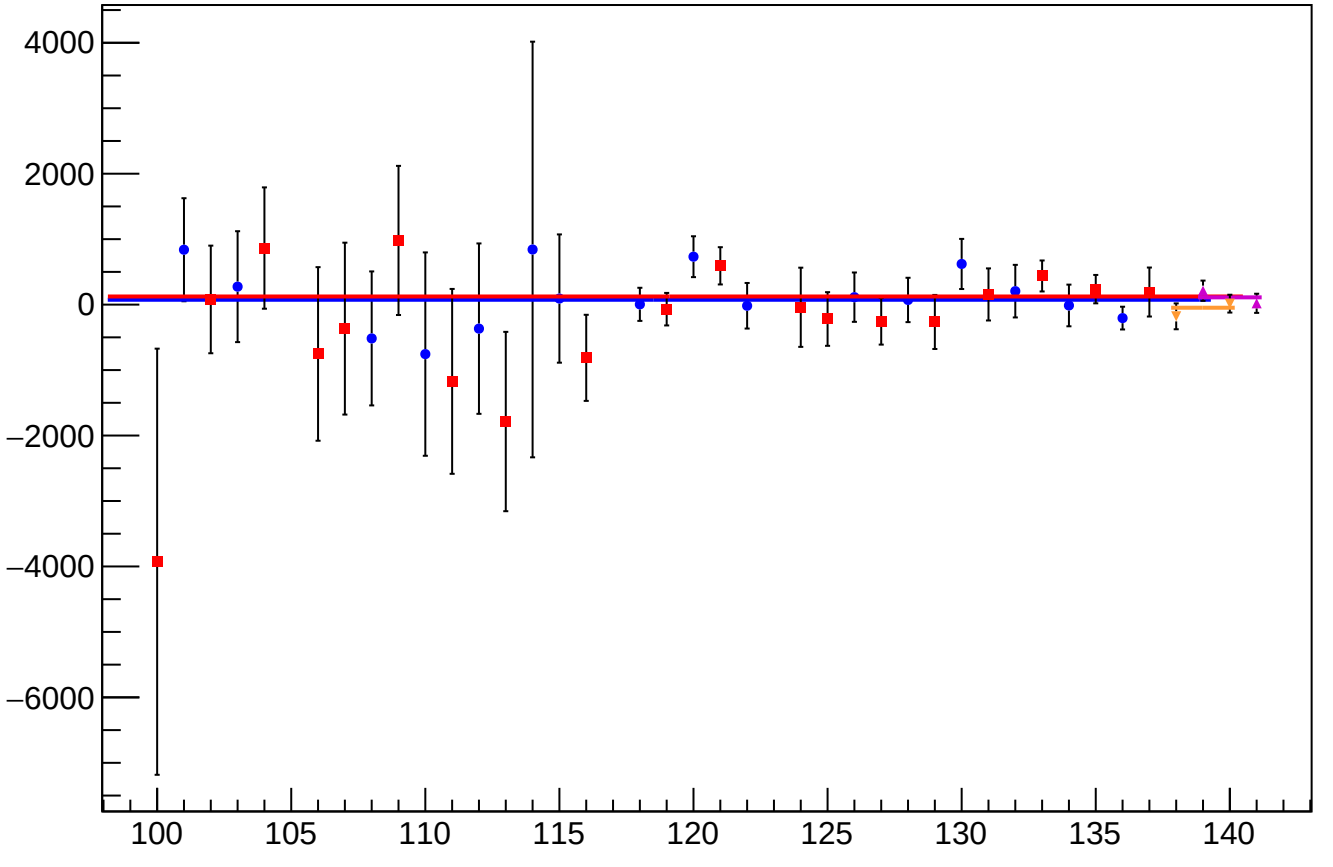
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 57.436+/-0.014 χ^2/NDF:1612065.5/17

Out: 59.084+/-0.015 χ^2/NDF:1903299.1/20

All: 58.235+/-0.010 χ^2/NDF: 3521836.9/38

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -47.492+/-112.151 χ^2/NDF:0.7/1

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 111.011+/-106.229 χ^2/NDF:0.8/1

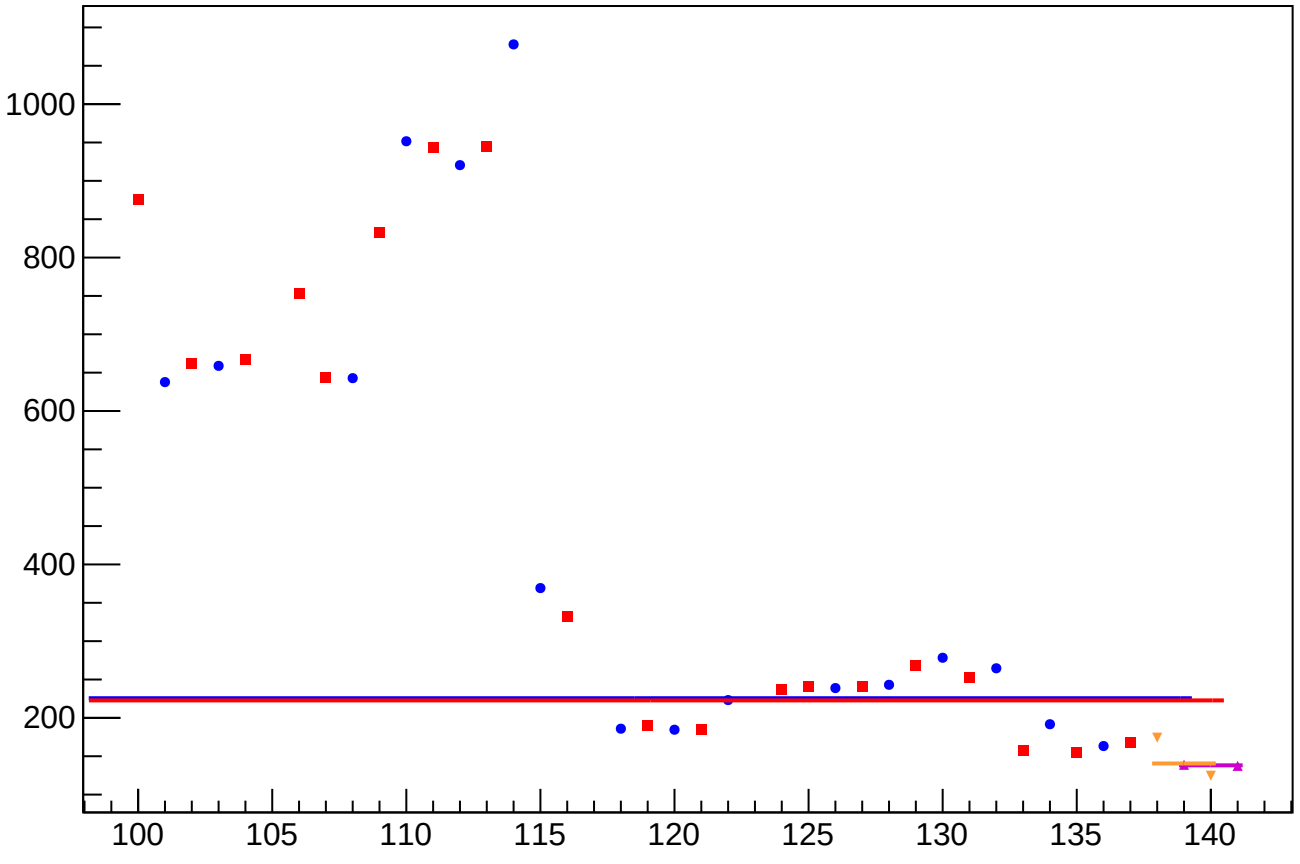
Left: 36.055+/-77.124 χ^2/NDF: 2.5/3

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 90.513+/-70.602 χ^2/NDF:12.1/17

Out: 52.768+/-72.340 χ^2/NDF:18.4/20

All: 72.099+/-50.527 χ^2/NDF: 30.6/38



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 140.560+/-0.079 χ^2/NDF:85310.7/1

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 138.143+/-0.075 χ^2/NDF:91.0/1

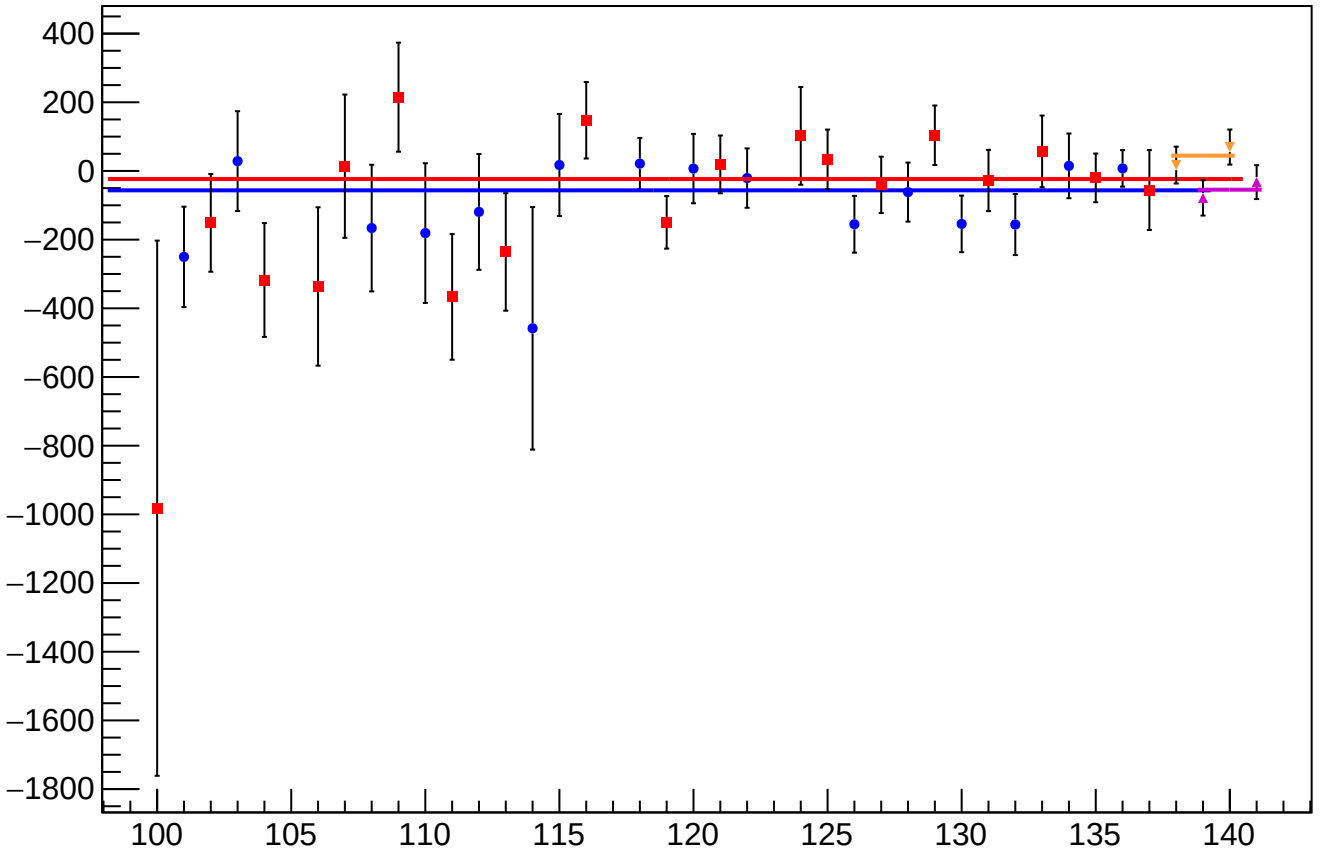
Left: 139.286+/-0.055 χ^2/NDF: 85891.1/3

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 186.976+/-0.050 χ^2/NDF:3783143.6/17

Out: 188.576+/-0.051 χ^2/NDF:4561264.6/20

All: 187.756+/-0.036 χ^2/NDF: 8344909.1/38



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 44.651+/-36.988 χ^2/NDF:0.5/1

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -54.532+/-35.595 χ^2/NDF:0.4/1

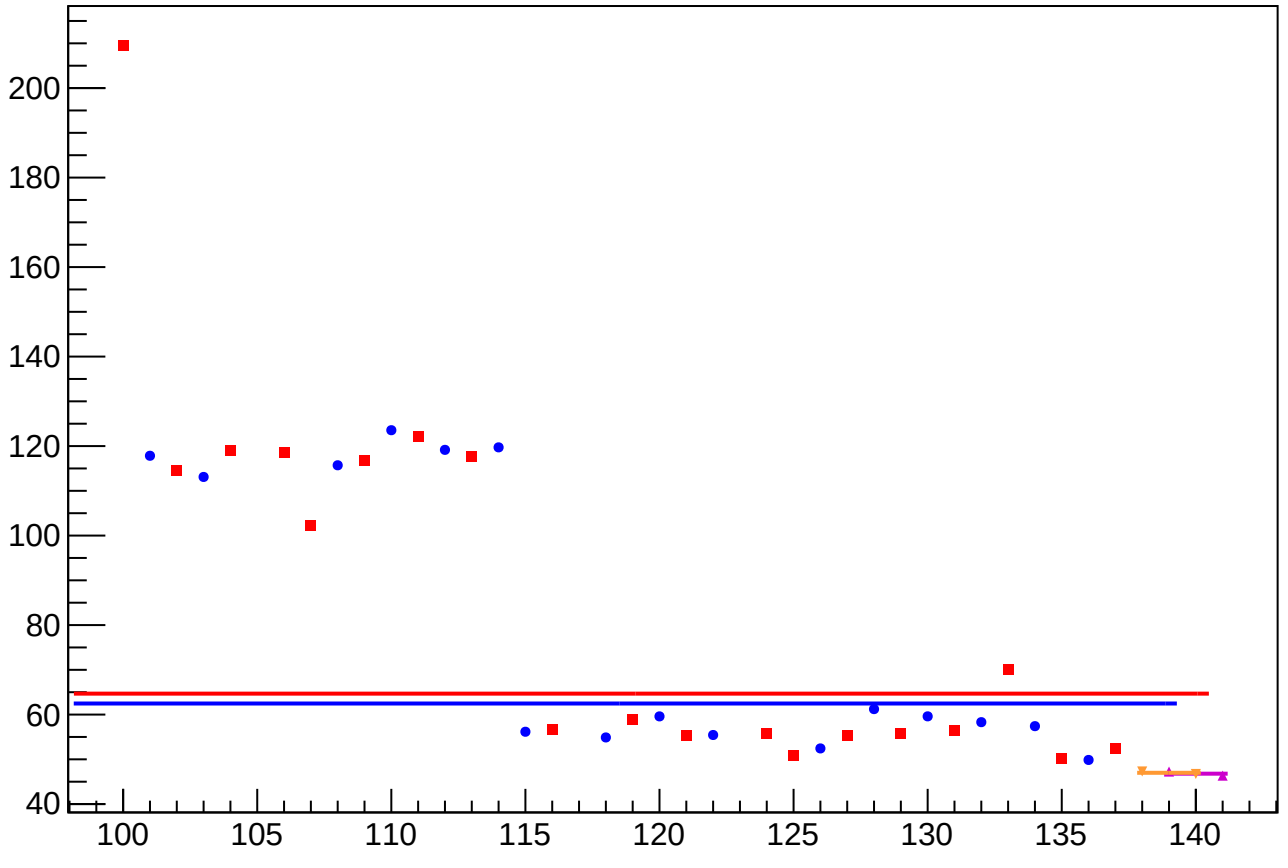
Left: -6.844+/-25.648 χ^2/NDF: 4.7/3

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -55.810+/-20.175 χ^2/NDF:12.7/17

Out: -1.940+/-20.804 χ^2/NDF:26.9/20

All: -29.701+/-14.483 χ^2/NDF: 43.0/38



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 46.991+/-0.026 χ^2/NDF:113.8/1

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.791+/-0.025 χ^2/NDF:327.9/1

Left: 46.887+/-0.018 χ^2/NDF: 471.9/3

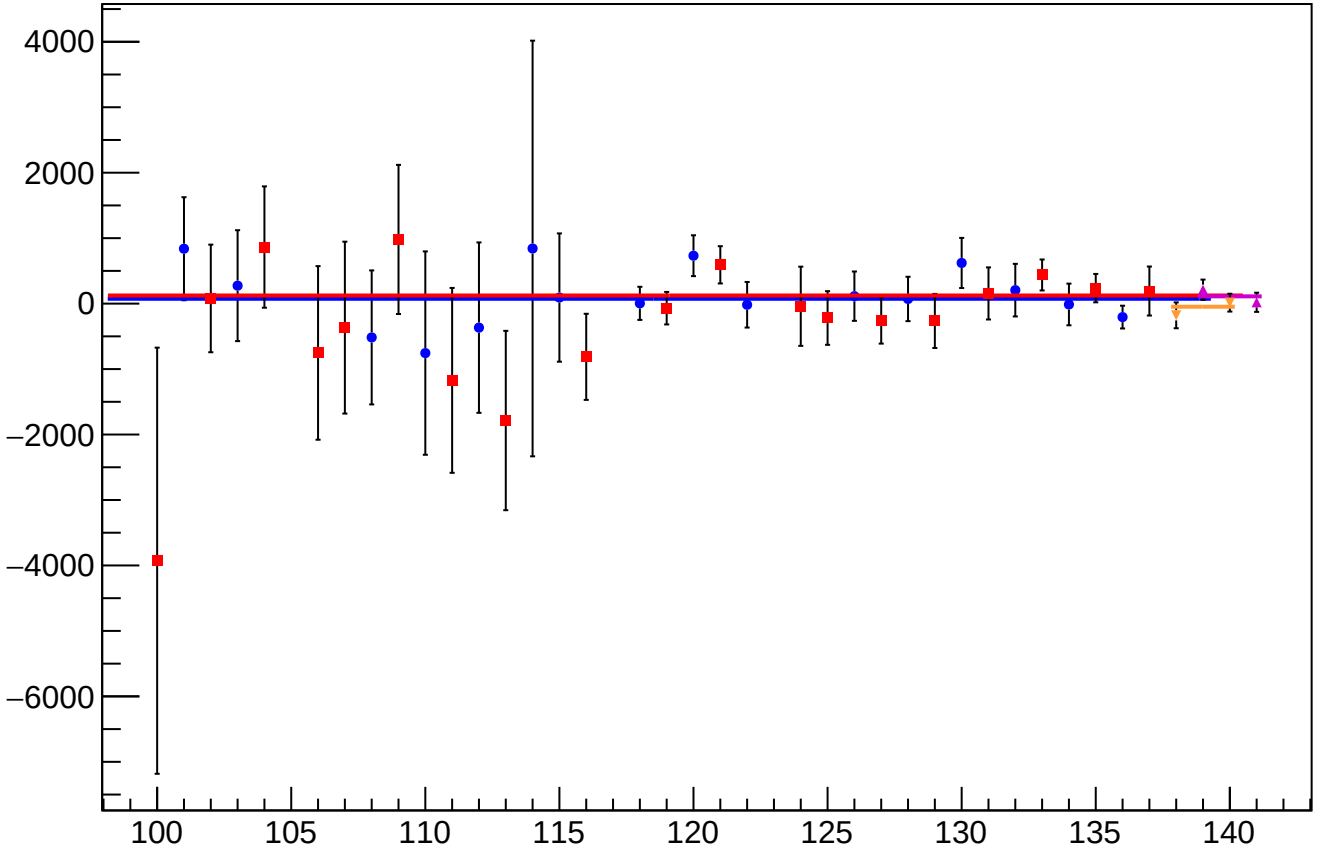
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 57.436+/-0.014 χ^2/NDF:1612027.4/17

Out: 59.084+/-0.015 χ^2/NDF:1903266.5/20

All: 58.235+/-0.010 χ^2/NDF: 3521767.3/38

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -47.491+/-112.152 χ^2/NDF:0.7/1

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 111.012+/-106.229 χ^2/NDF:0.8/1

Left: 36.056+/-77.124 χ^2/NDF: 2.5/3

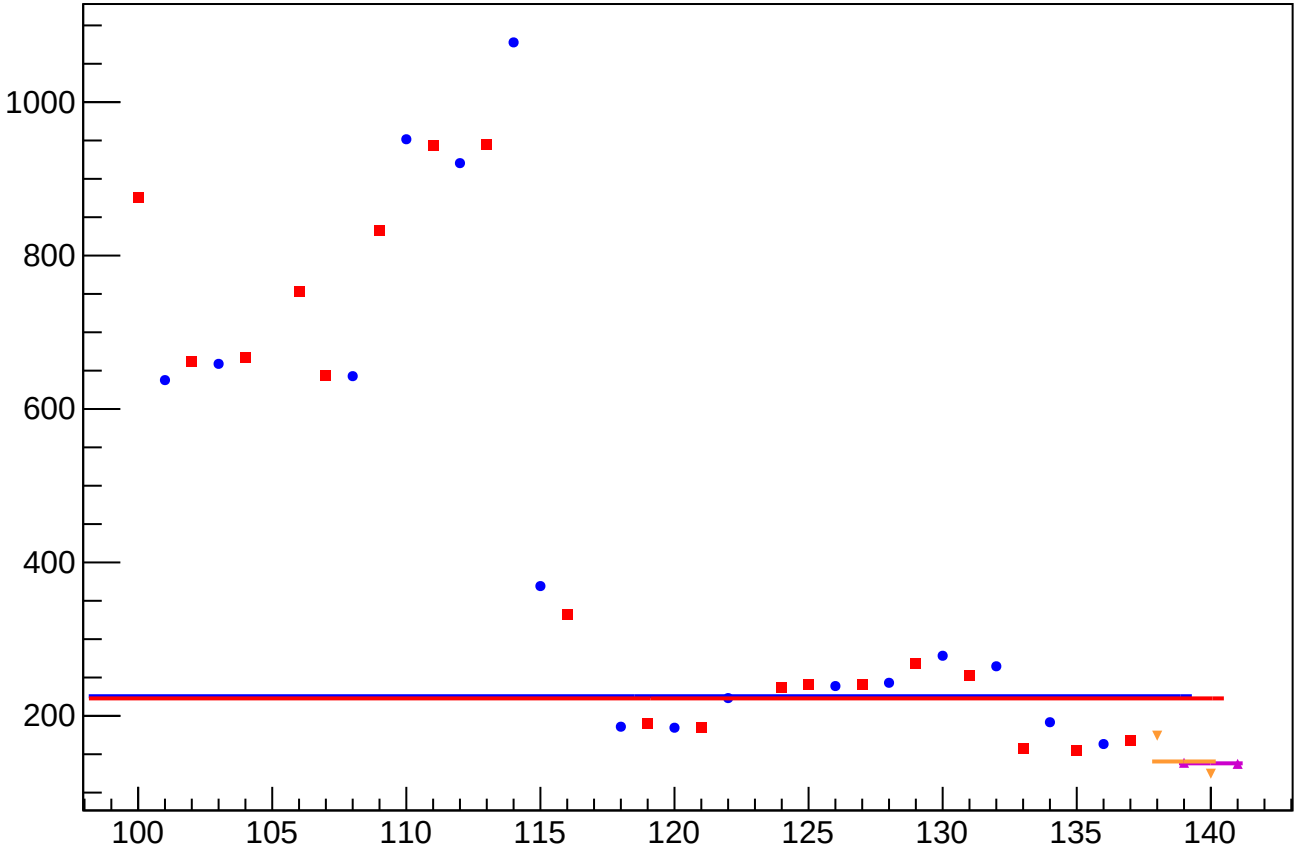
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 90.514+/-70.603 χ^2/NDF:12.1/17

Out: 52.768+/-72.340 χ^2/NDF:18.4/20

All: 72.100+/-50.527 χ^2/NDF: 30.6/38

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 140.561+/-0.079 χ^2/NDF:85310.8/1

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 138.144+/-0.075 χ^2/NDF:91.0/1

Left: 139.287+/-0.055 χ^2/NDF: 85891.3/3

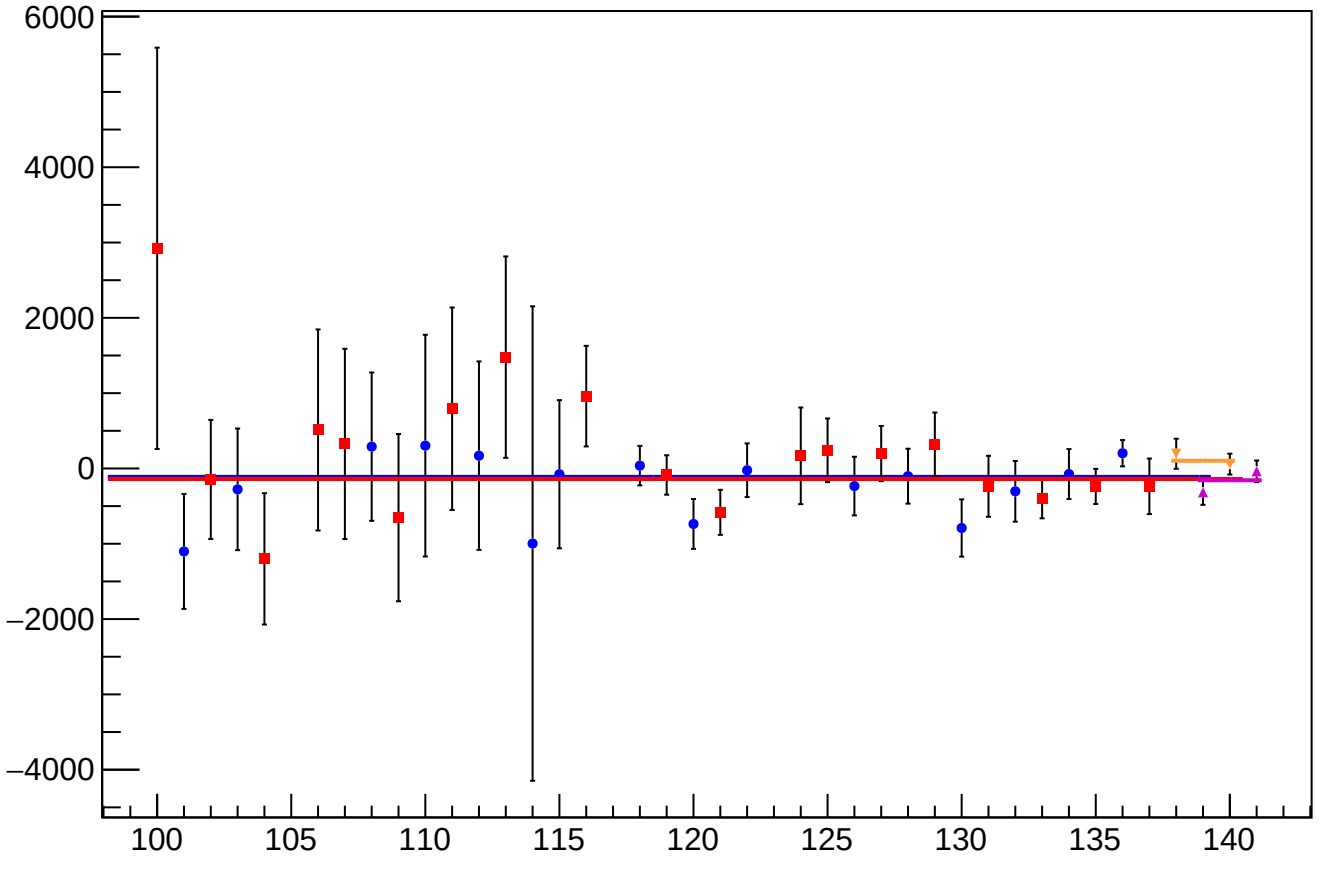
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 186.976+/-0.050 χ^2/NDF:3783110.3/17

Out: 188.577+/-0.051 χ^2/NDF:4561230.0/20

All: 187.757+/-0.036 χ^2/NDF: 8344841.4/38

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 102.275+/-113.757 χ^2/NDF:0.3/1

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -156.492+/-108.676 χ^2/NDF:1.6/1

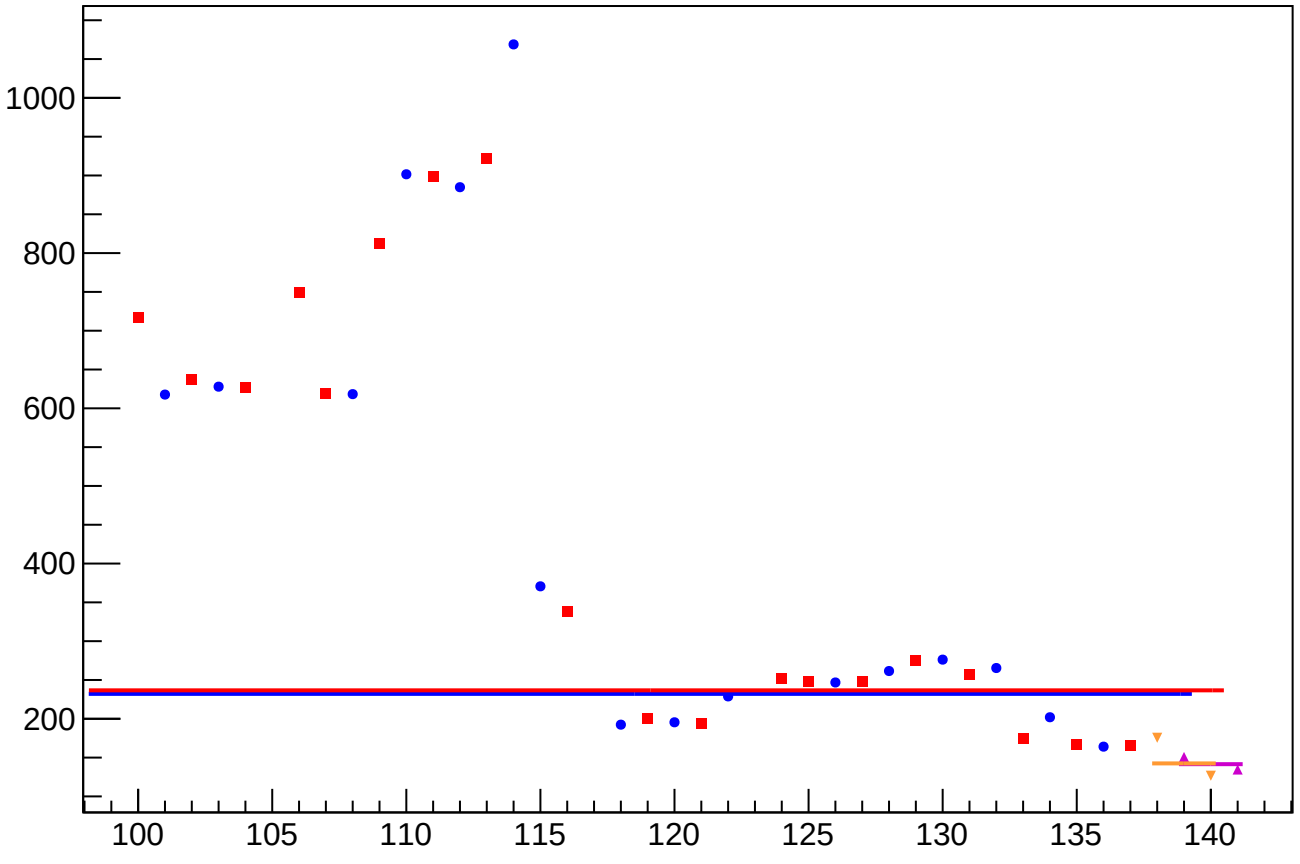
Left: -33.017+/-78.581 χ^2/NDF: 4.6/3

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -131.579+/-72.179 χ^2/NDF:14.5/17

Out: -35.364+/-74.754 χ^2/NDF:17.5/20

All: -85.157+/-51.925 χ^2/NDF: 32.9/38



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 142.509+/-0.080 χ^2/NDF:81040.6/1

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 141.529+/-0.077 χ^2/NDF:10820.3/1

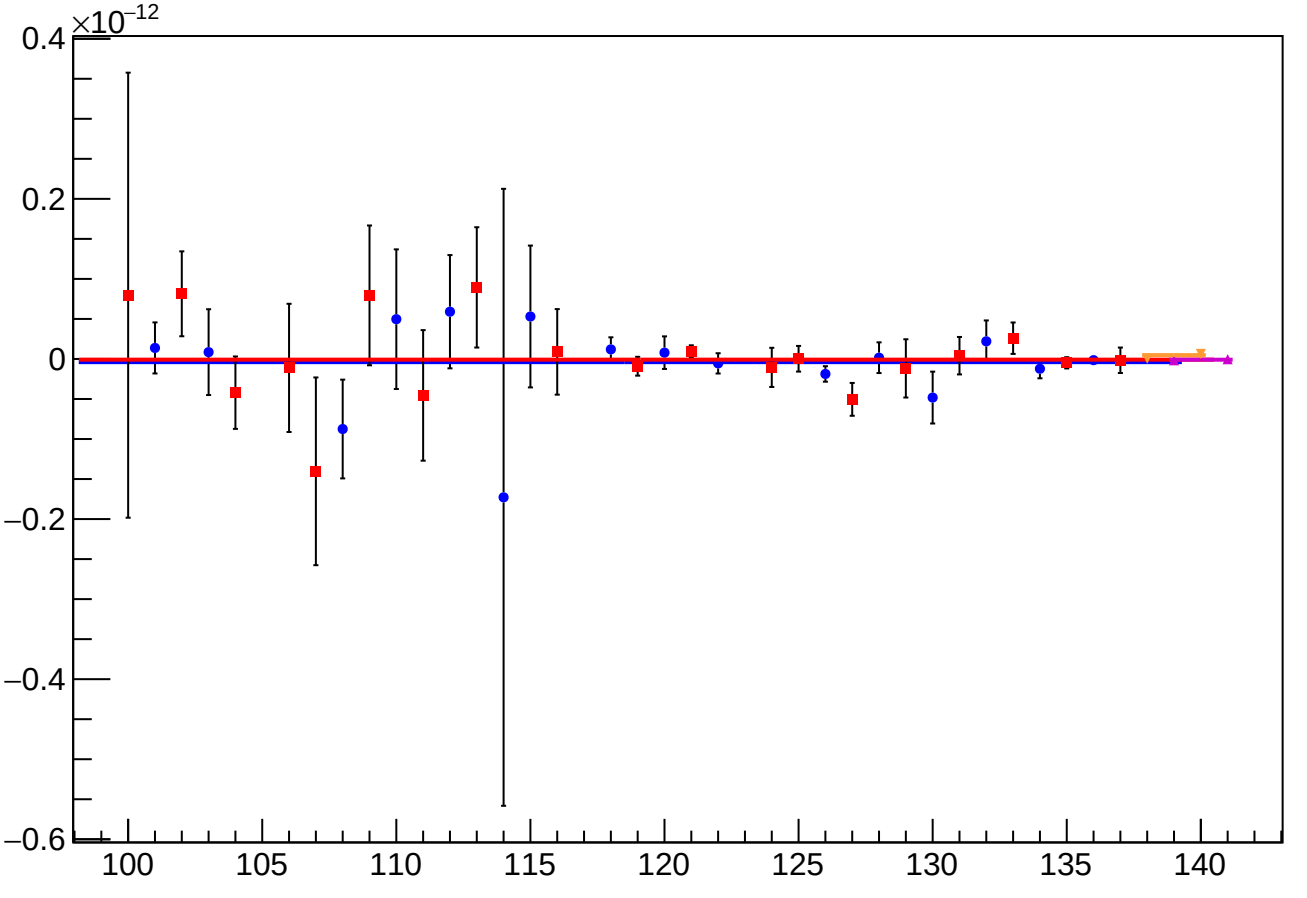
Left: 141.996+/-0.056 χ^2/NDF: 91938.5/3

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 192.151+/-0.051 χ^2/NDF:3672798.9/17

Out: 195.995+/-0.053 χ^2/NDF:4380253.7/20

All: 194.006+/-0.037 χ^2/NDF: 8055789.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

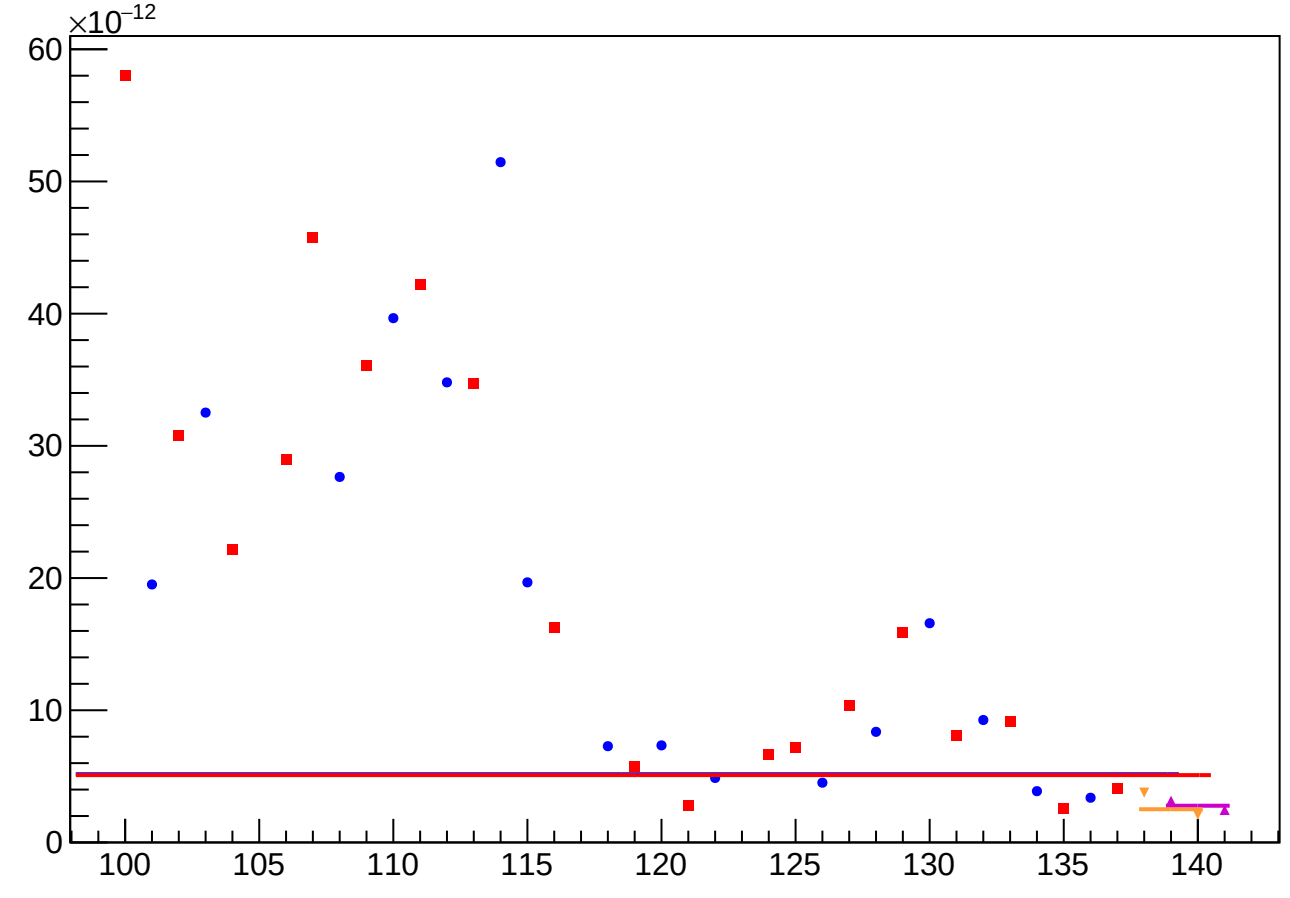
Left: 0.000+/-0.000 χ^2/NDF: 2.3/3

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:11.8/17

Out: 0.000+/-0.000 χ^2/NDF:20.1/20

All: 0.000+/-0.000 χ^2/NDF: 33.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:108726.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:20683.4/1

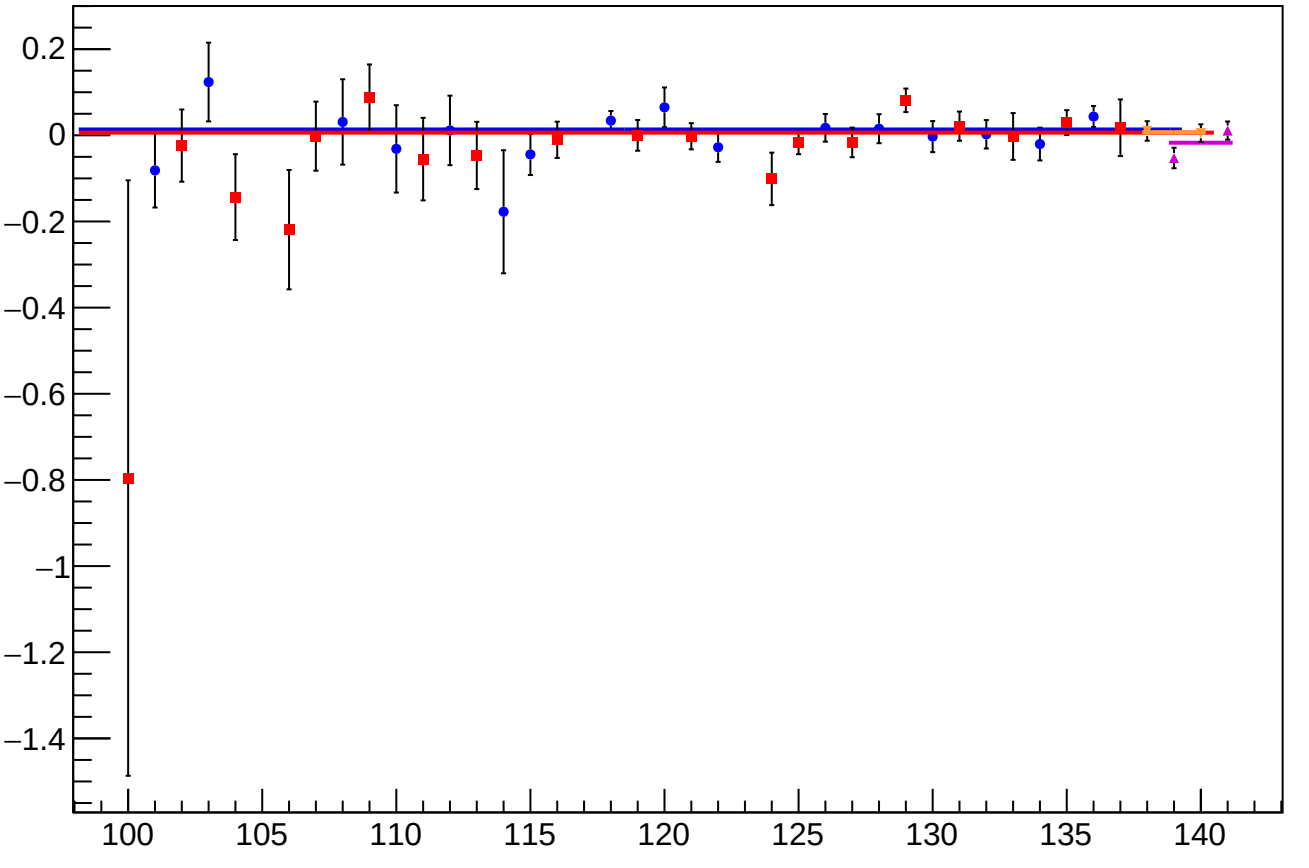
Left: 0.000+/-0.000 χ^2/NDF: 136088.0/3

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3090062.4/17

Out: 0.000+/-0.000 χ^2/NDF:3874255.7/20

All: 0.000+/-0.000 χ^2/NDF: 6989837.7/38



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.007+/-0.015 χ^2/NDF:0.0/1

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.017+/-0.016 χ^2/NDF:4.0/1

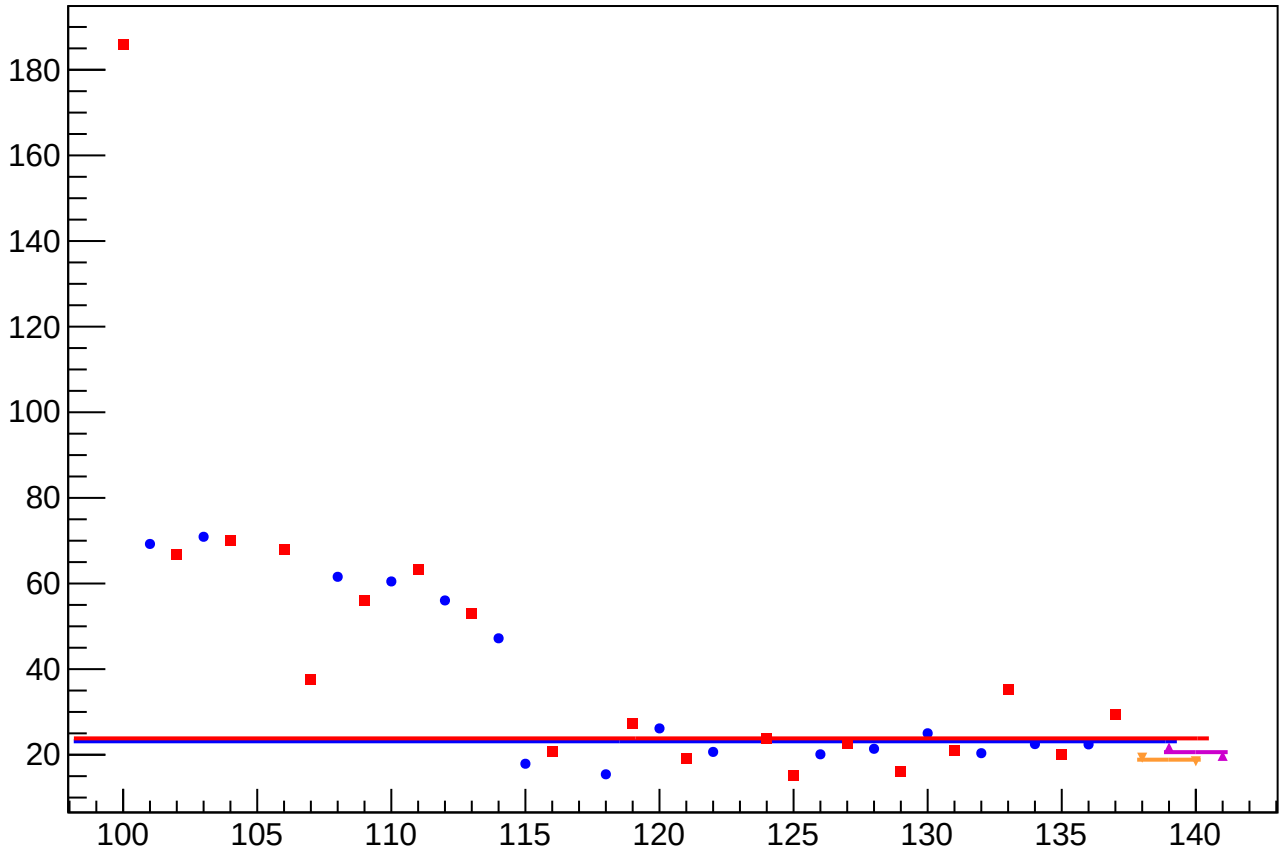
Left: -0.004+/-0.011 χ^2/NDF: 5.3/3

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.008 χ^2/NDF:19.0/17

Out: 0.007+/-0.008 χ^2/NDF:21.5/20

All: 0.006+/-0.006 χ^2/NDF: 40.5/38



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 18.851+/-0.011 χ^2/NDF:1532.0/1

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 20.611+/-0.011 χ^2/NDF:7517.0/1

Left: 19.696+/-0.008 χ^2/NDF: 21919.4/3

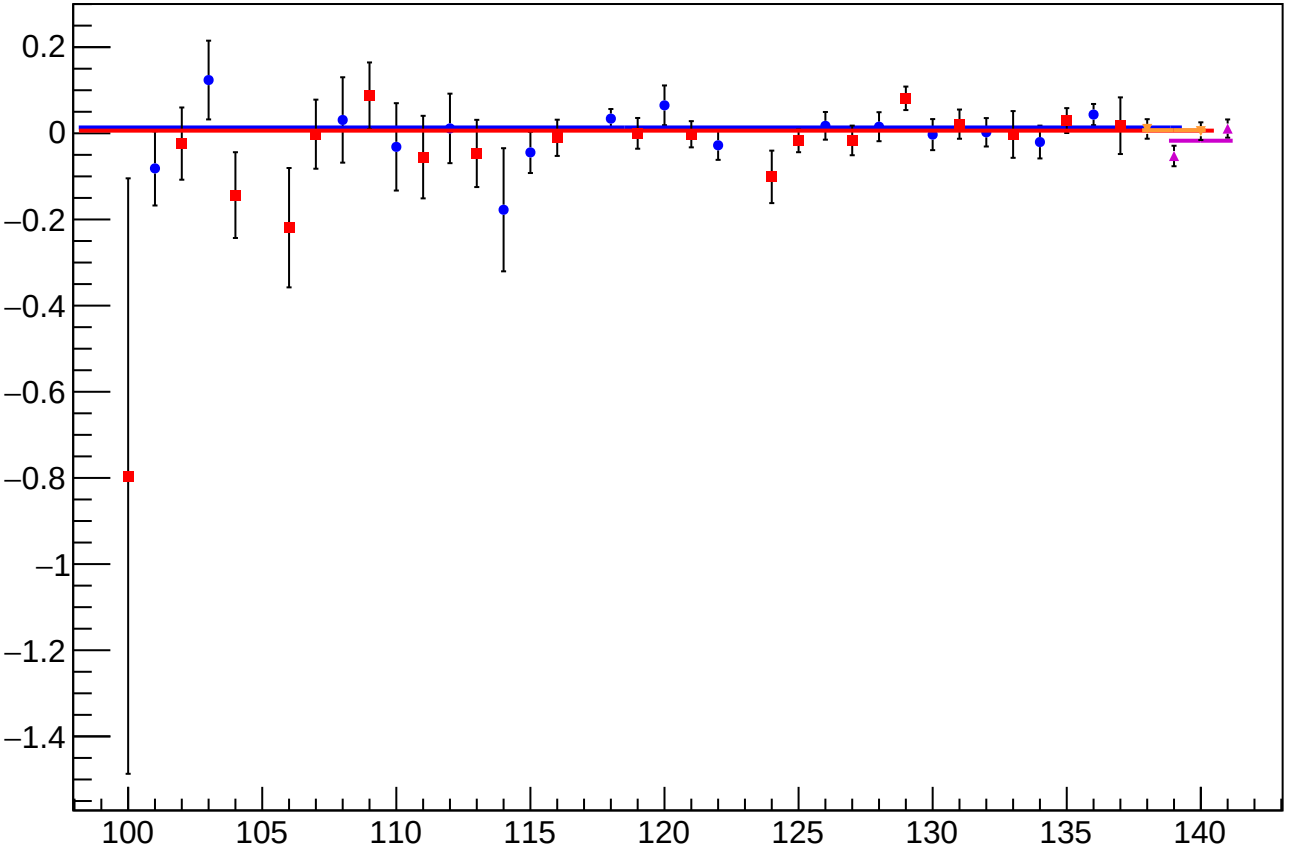
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 22.438+/-0.006 χ^2/NDF:2450911.7/17

Out: 22.309+/-0.006 χ^2/NDF:3049230.5/20

All: 22.373+/-0.004 χ^2/NDF: 5500378.9/38

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.007+/-0.015 χ^2/NDF:0.0/1

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.017+/-0.016 χ^2/NDF:4.0/1

Left: -0.004+/-0.011 χ^2/NDF: 5.3/3

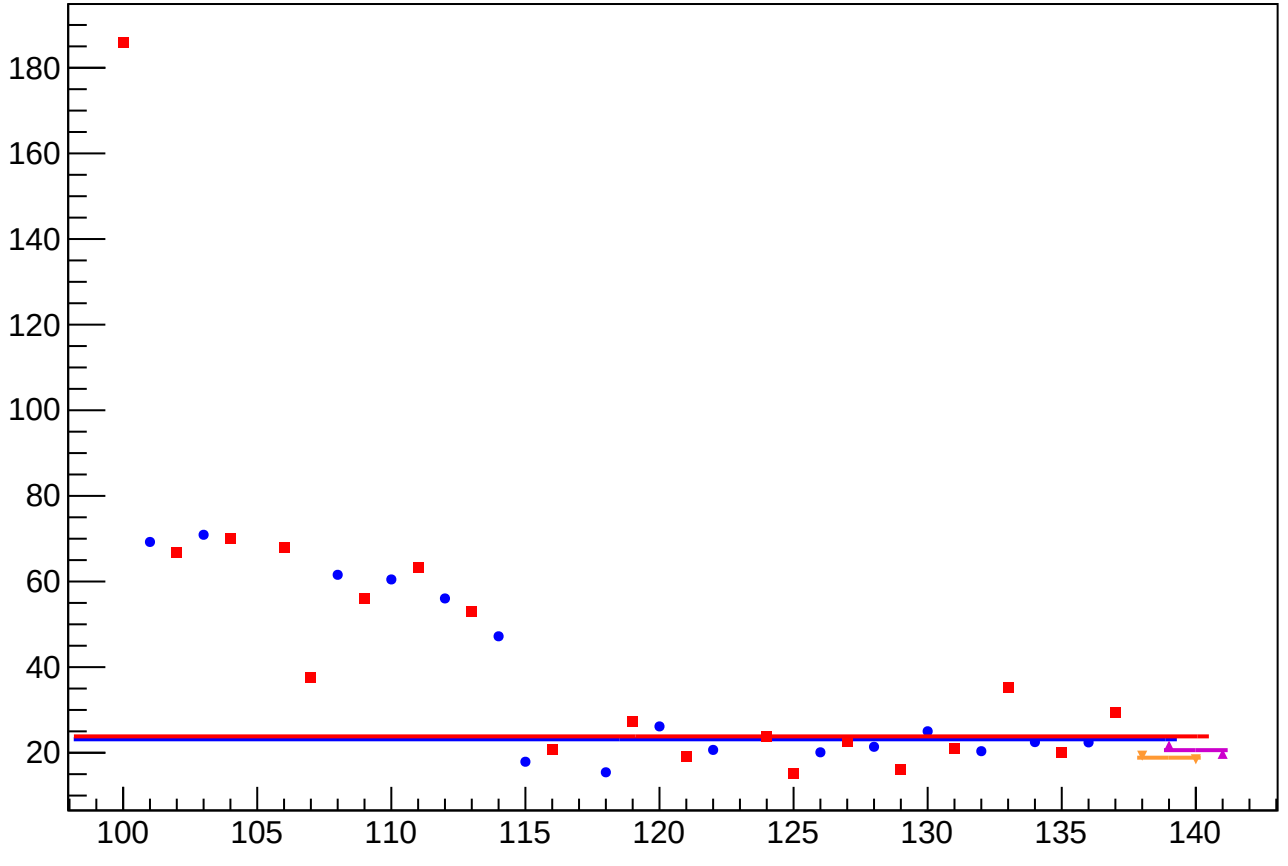
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.008 χ^2/NDF:19.0/17

Out: 0.007+/-0.008 χ^2/NDF:21.5/20

All: 0.006+/-0.006 χ^2/NDF: 40.5/38

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 18.851+/-0.011 χ^2/NDF:1532.0/1

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 20.611+/-0.011 χ^2/NDF:7517.0/1

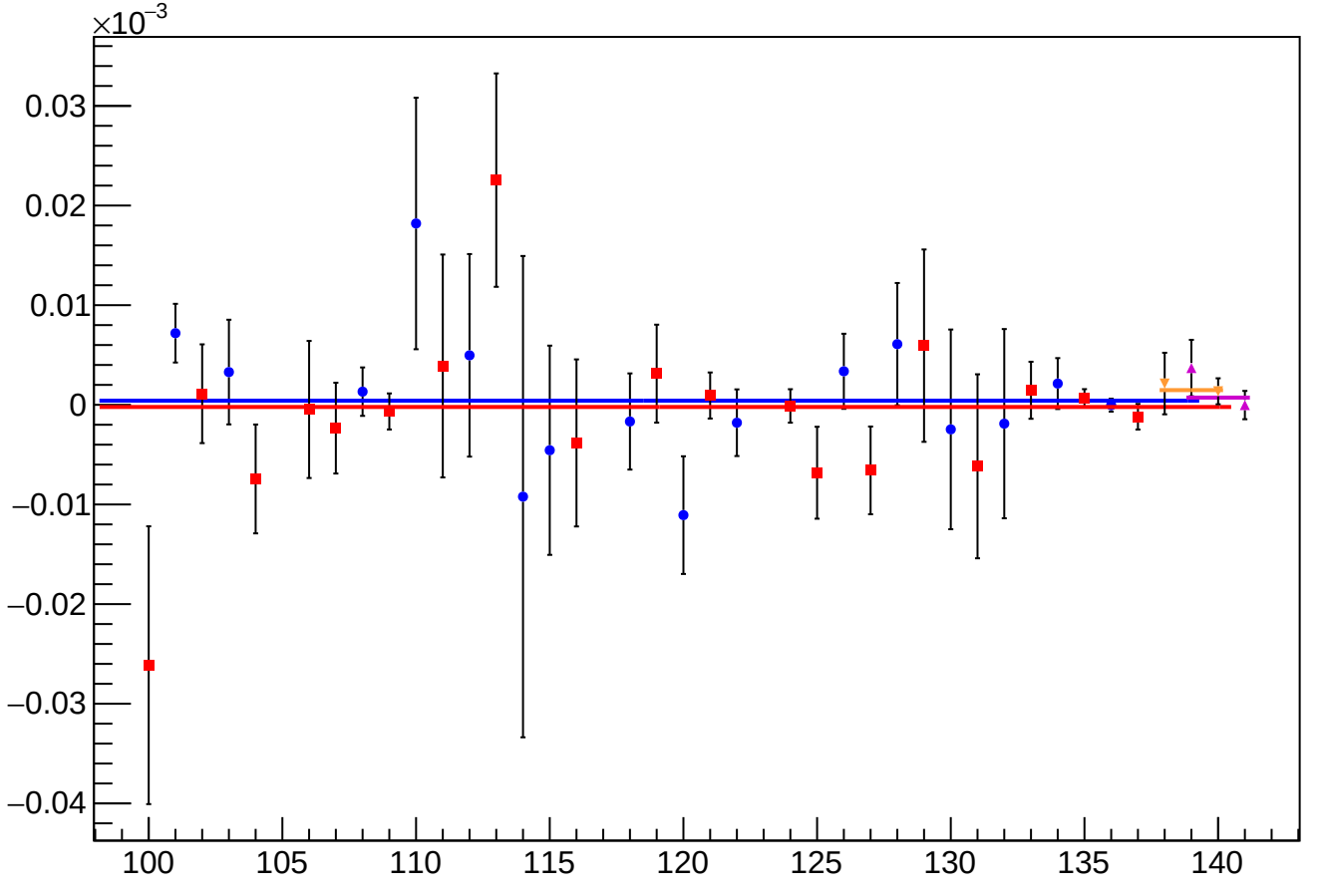
Left: 19.696+/-0.008 χ^2/NDF: 21919.4/3

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 22.438+/-0.006 χ^2/NDF:2450911.7/17

Out: 22.309+/-0.006 χ^2/NDF:3049230.5/20

All: 22.373+/-0.004 χ^2/NDF: 5500378.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/1

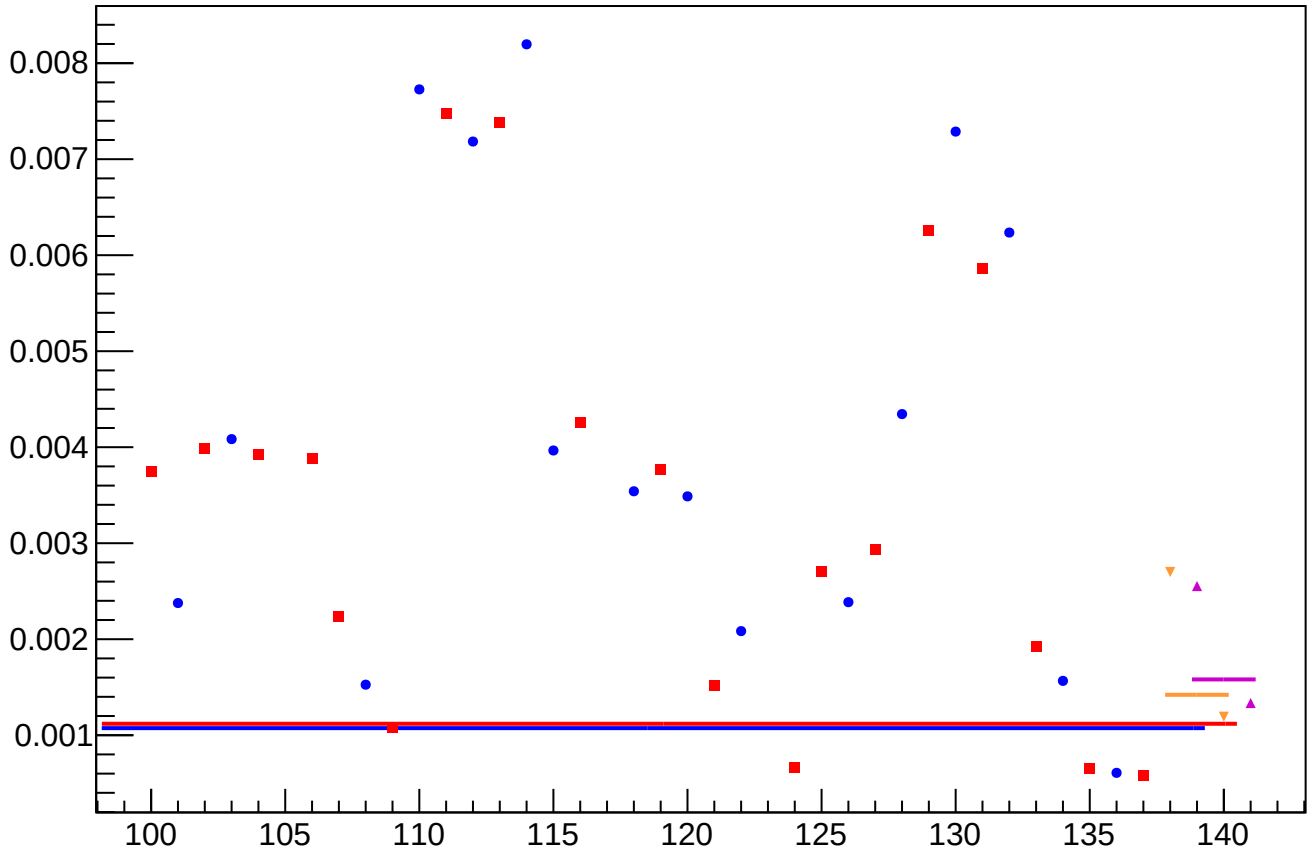
Left: 0.000+/-0.000 χ^2/NDF: 1.6/3

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:16.7/17

Out: 0.000+/-0.000 χ^2/NDF:19.6/20

All: 0.000+/-0.000 χ^2/NDF: 36.5/38



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:404437.7/1

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.002+/-0.000 χ^2/NDF:296280.1/1

Left: 0.001+/-0.000 χ^2/NDF: 717447.0/3

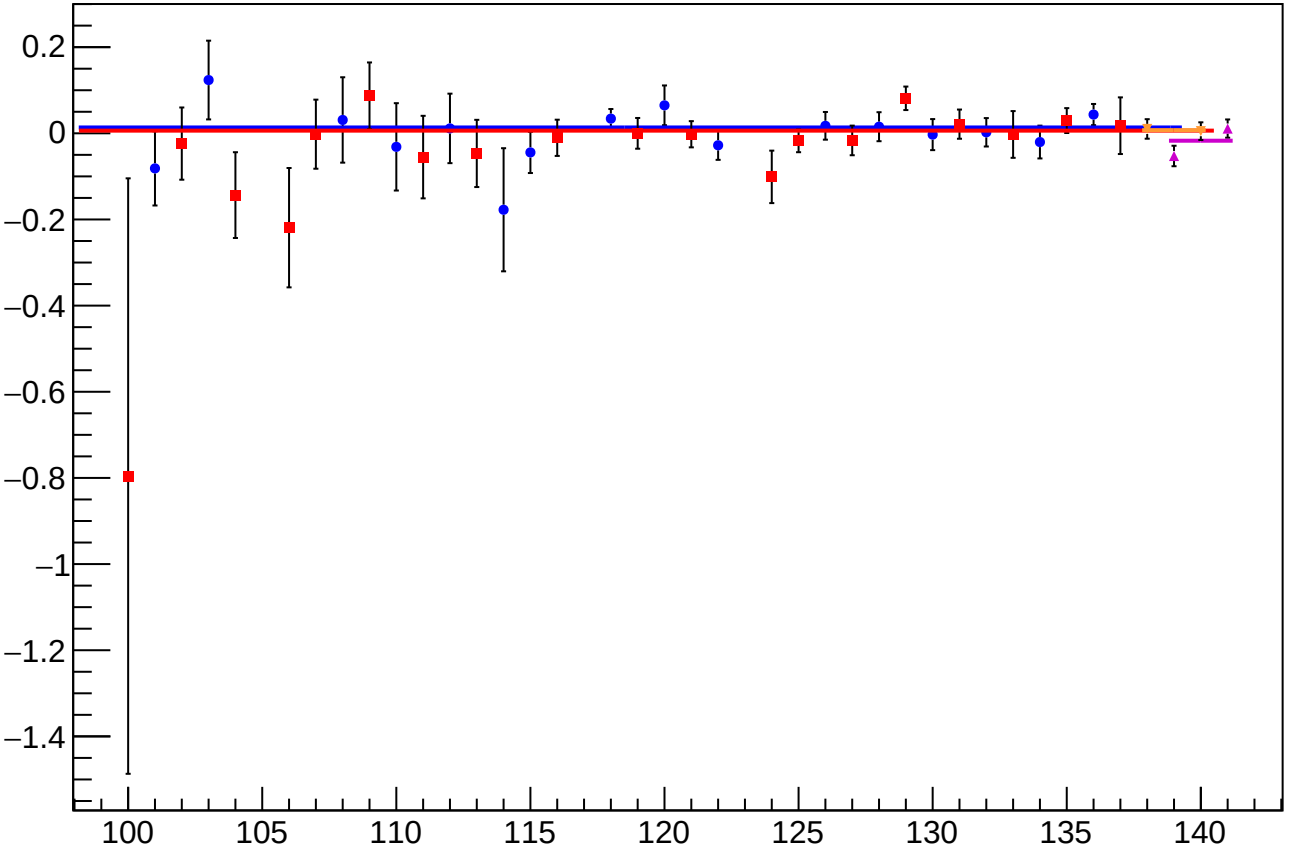
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:7608378.7/17

Out: 0.001+/-0.000 χ^2/NDF:7303786.2/20

All: 0.001+/-0.000 χ^2/NDF: 14913371.6/38

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.007+/-0.015 χ^2/NDF:0.0/1

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.017+/-0.016 χ^2/NDF:4.0/1

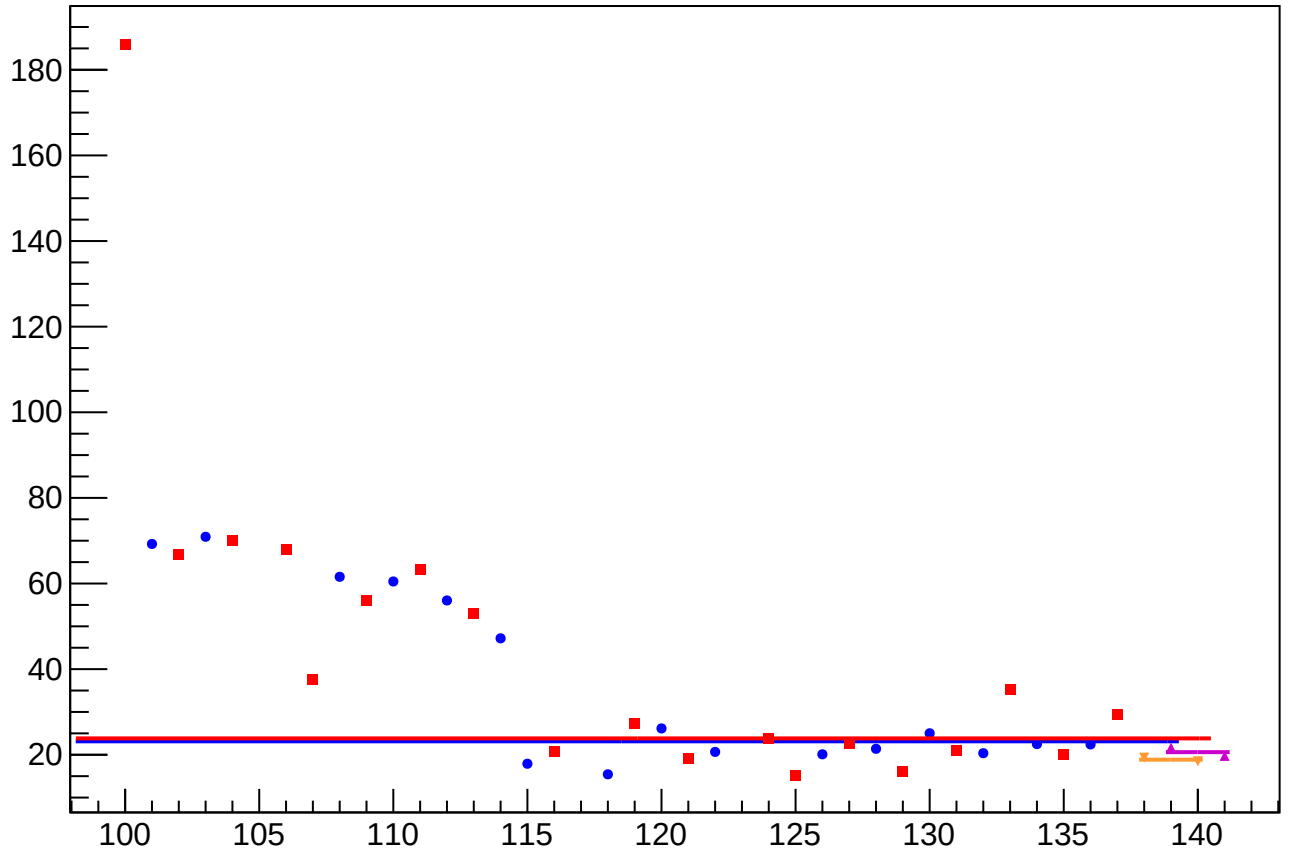
Left: -0.004+/-0.011 χ^2/NDF: 5.3/3

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.008 χ^2/NDF:19.0/17

Out: 0.007+/-0.008 χ^2/NDF:21.5/20

All: 0.006+/-0.006 χ^2/NDF: 40.5/38



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 18.852+/-0.011 χ^2/NDF:1531.2/1

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 20.612+/-0.011 χ^2/NDF:7505.5/1

Left: 19.697+/-0.008 χ^2/NDF: 21903.8/3

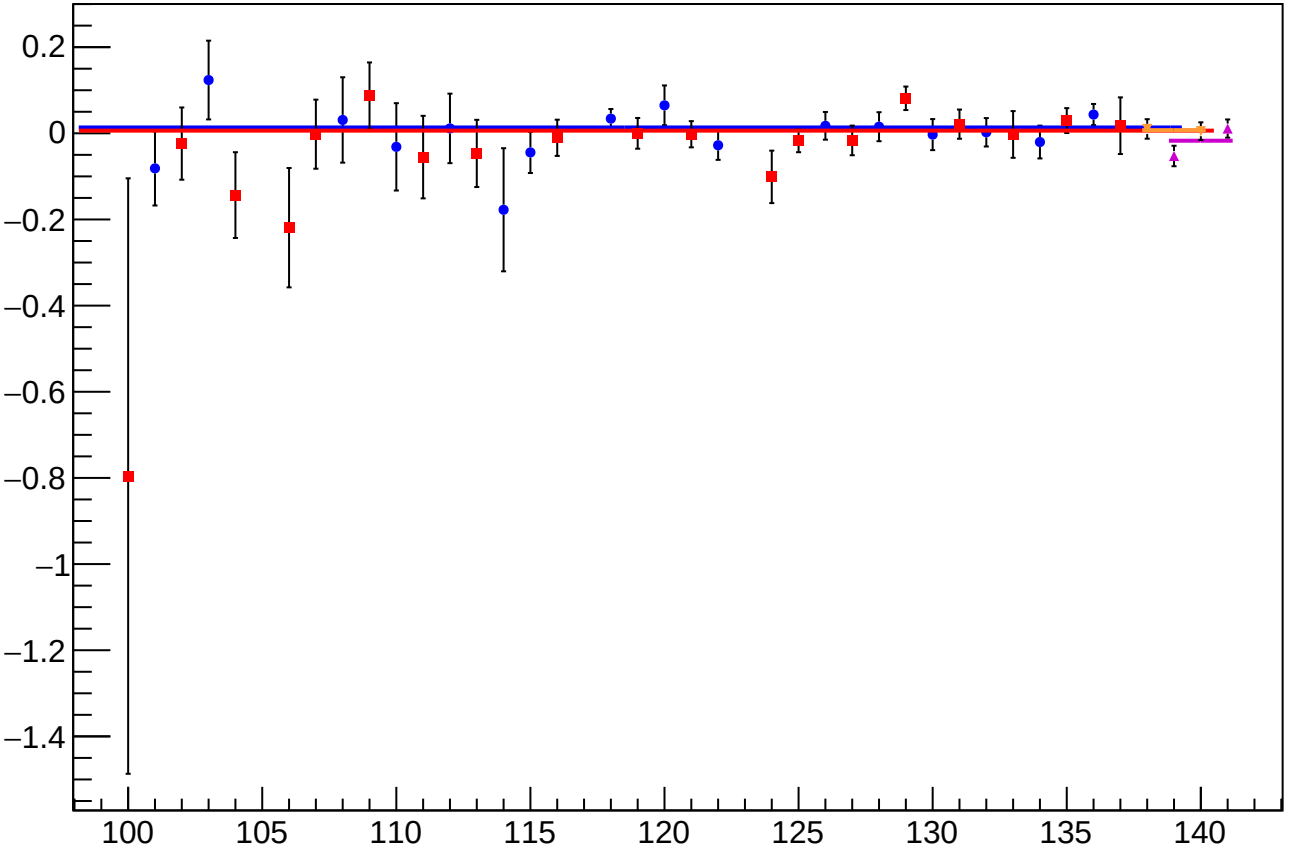
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 22.437+/-0.006 χ^2/NDF:2450879.5/17

Out: 22.309+/-0.006 χ^2/NDF:3049111.7/20

All: 22.373+/-0.004 χ^2/NDF: 5500225.7/38

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.007+/-0.015 χ^2/NDF:0.0/1

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.017+/-0.016 χ^2/NDF:4.0/1

Left: -0.004+/-0.011 χ^2/NDF: 5.3/3

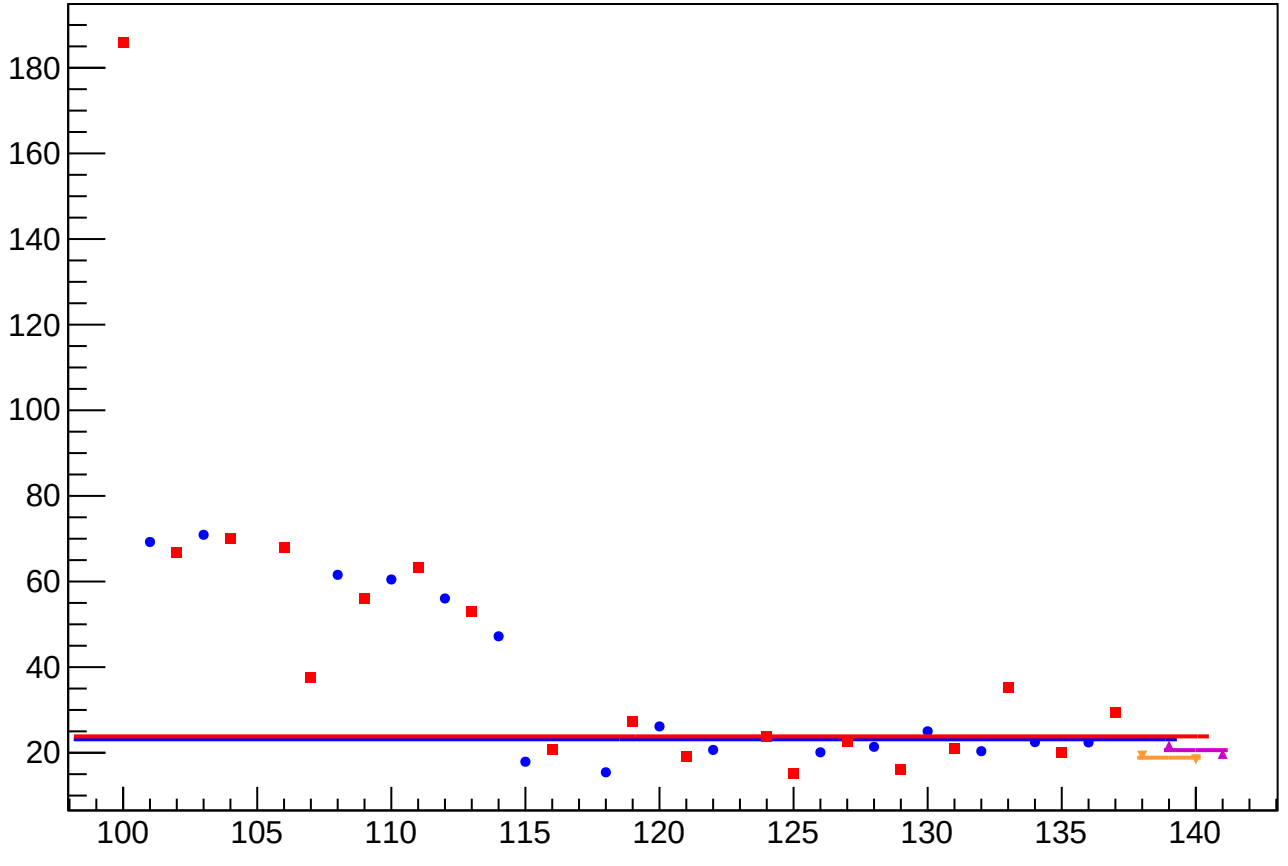
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.008 χ^2/NDF:19.0/17

Out: 0.007+/-0.008 χ^2/NDF:21.5/20

All: 0.006+/-0.006 χ^2/NDF: 40.5/38

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 18.852+/-0.011 χ^2/NDF:1531.2/1

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 20.612+/-0.011 χ^2/NDF:7505.5/1

Left: 19.697+/-0.008 χ^2/NDF: 21903.8/3

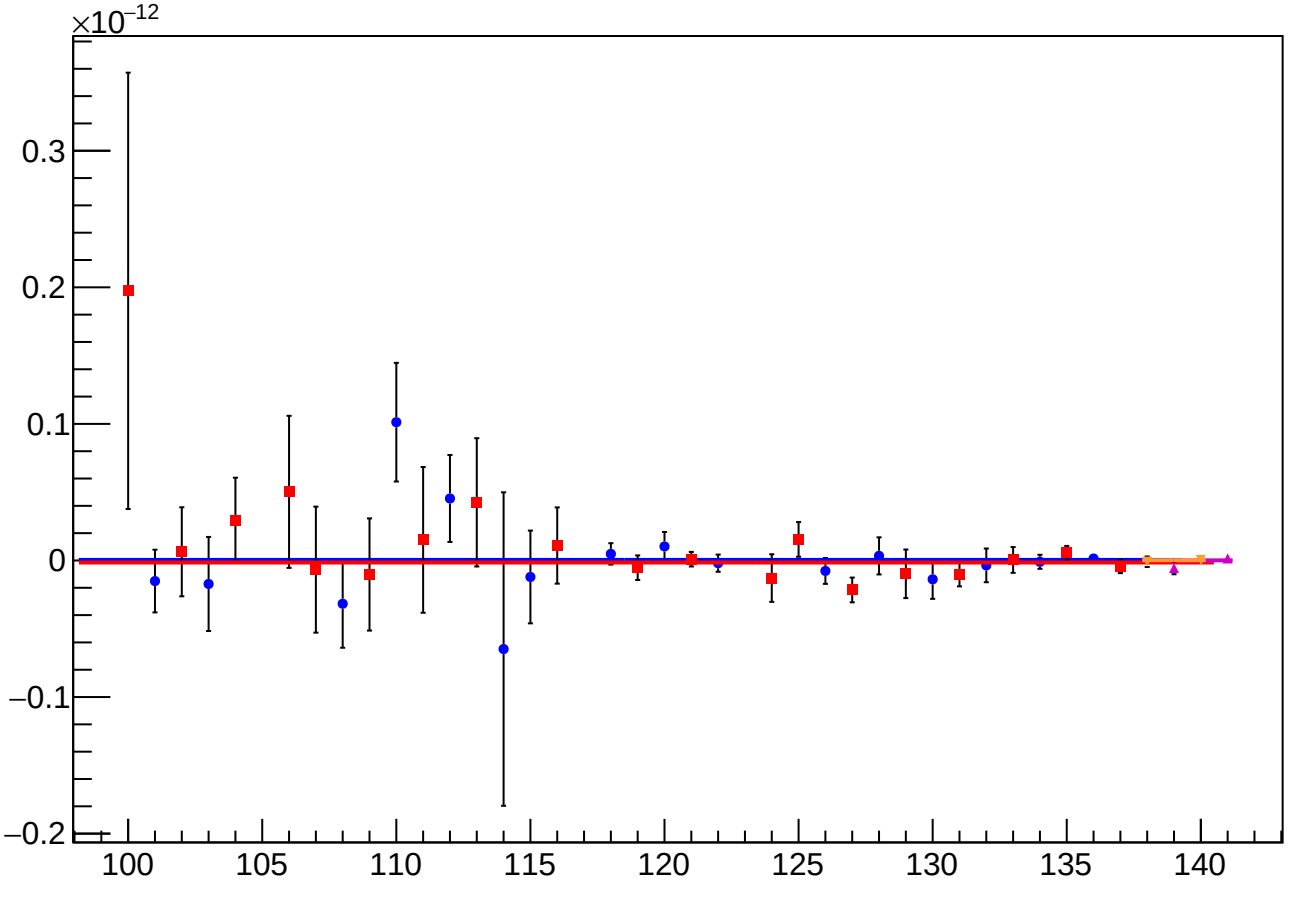
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 22.437+/-0.006 χ^2/NDF:2450879.5/17

Out: 22.309+/-0.006 χ^2/NDF:3049111.7/20

All: 22.373+/-0.004 χ^2/NDF: 5500225.7/38

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/1

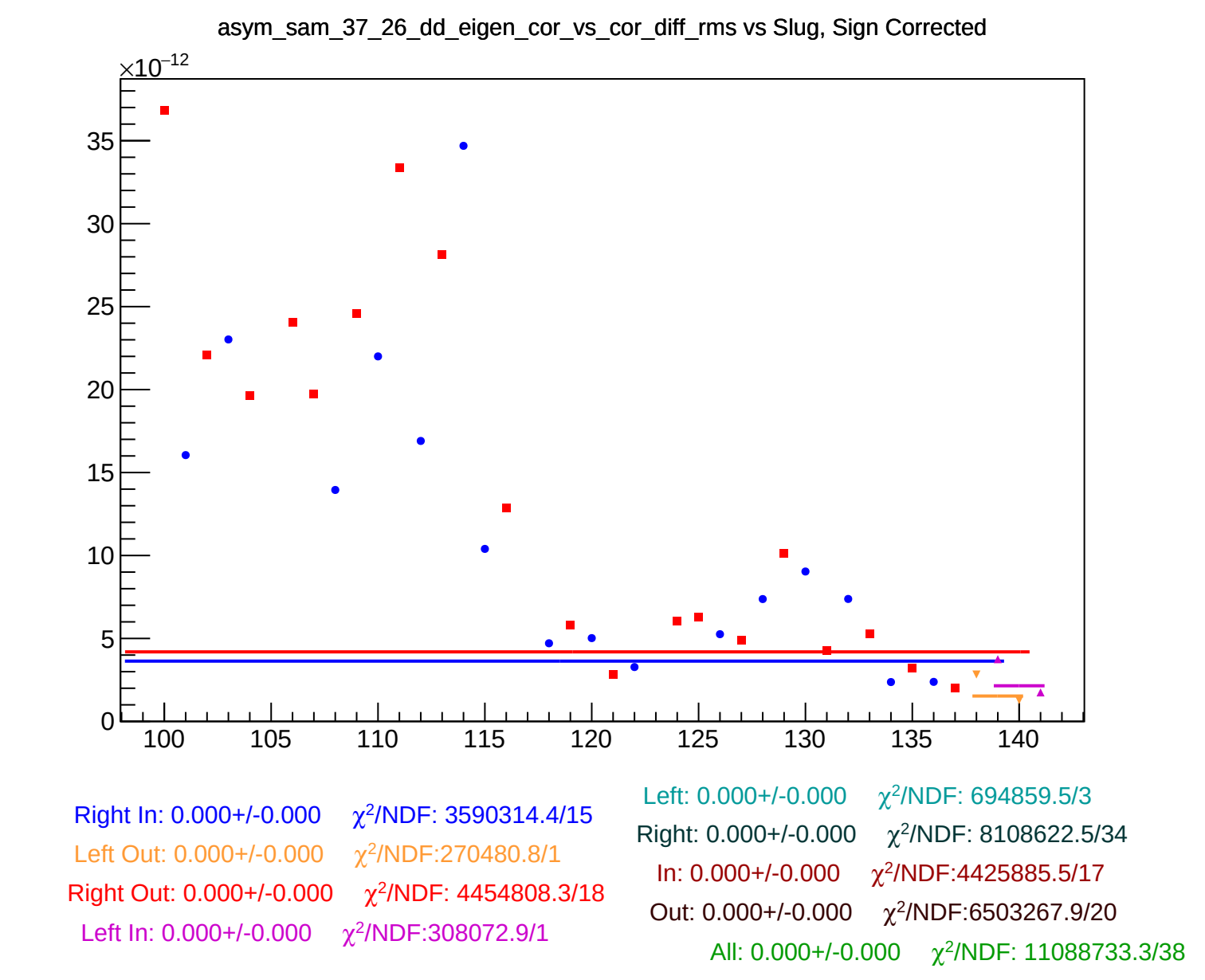
Left: 0.000+/-0.000 χ^2/NDF: 2.0/3

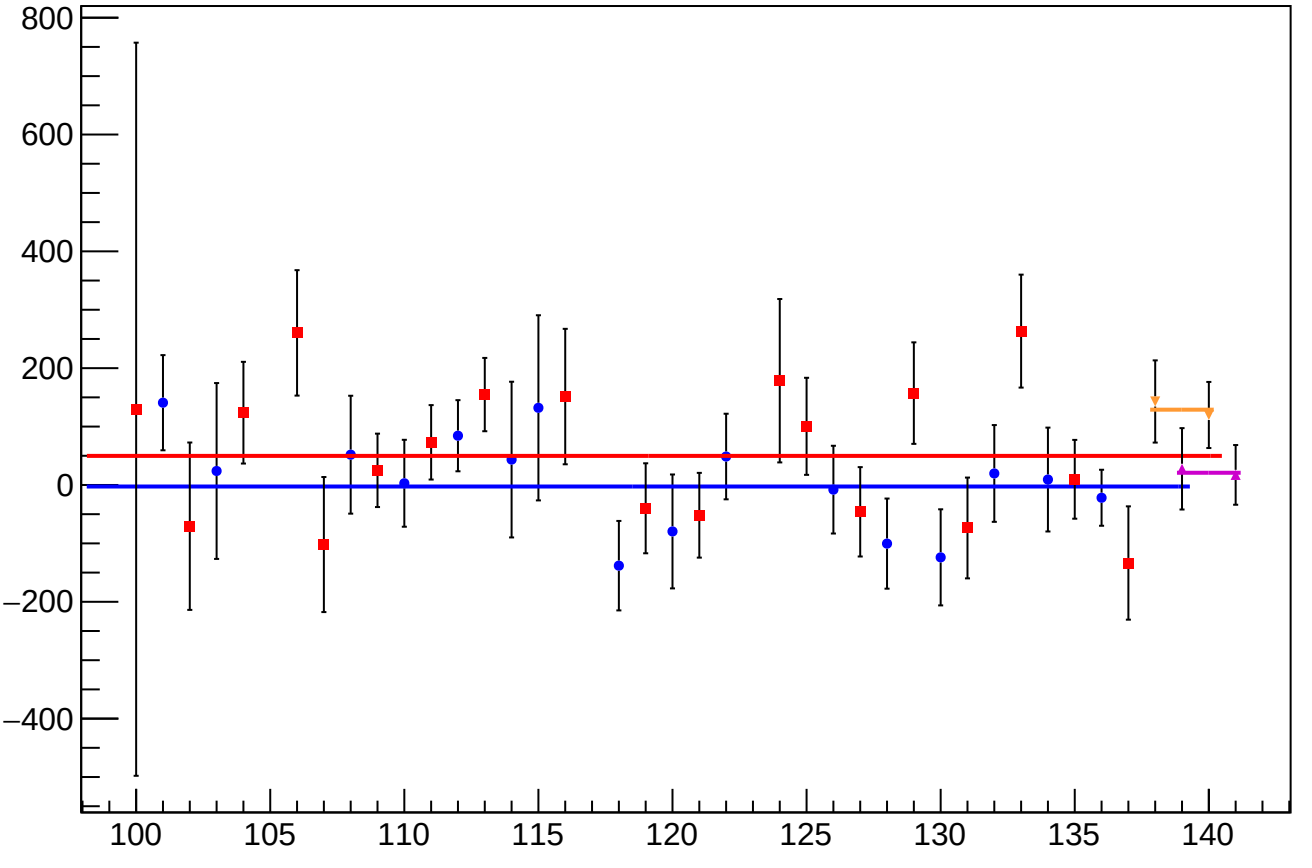
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:14.8/17

Out: -0.000+/-0.000 χ^2/NDF:16.0/20

All: -0.000+/-0.000 χ^2/NDF: 31.0/38


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:270480.8/1
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:308072.9/1
Left: 0.000+/-0.000 χ²/NDF: 694859.5/3
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:4425885.5/17
Out: 0.000+/-0.000 χ²/NDF:6503267.9/20
All: 0.000+/-0.000 χ²/NDF: 11088733.3/38



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 128.926+/-44.095 χ^2/NDF:0.1/1

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 20.909+/-41.210 χ^2/NDF:0.0/1

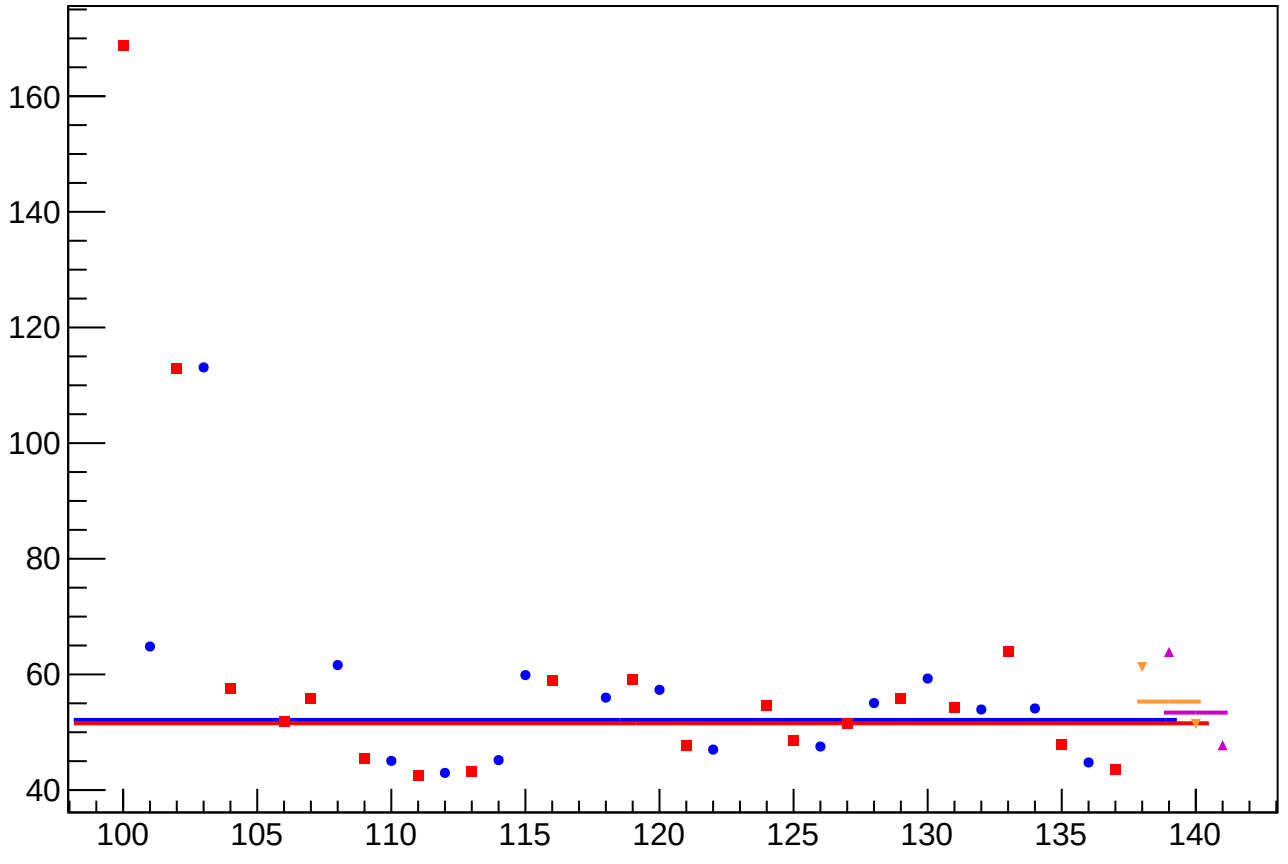
Left: 71.269+/-30.108 χ^2/NDF: 3.3/3

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 1.868+/-17.989 χ^2/NDF:14.9/17

Out: 62.886+/-17.927 χ^2/NDF:32.1/20

All: 32.483+/-12.698 χ^2/NDF: 52.7/38



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 55.299+/-0.031 χ^2/NDF:23736.0/1

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 53.398+/-0.029 χ^2/NDF:69694.7/1

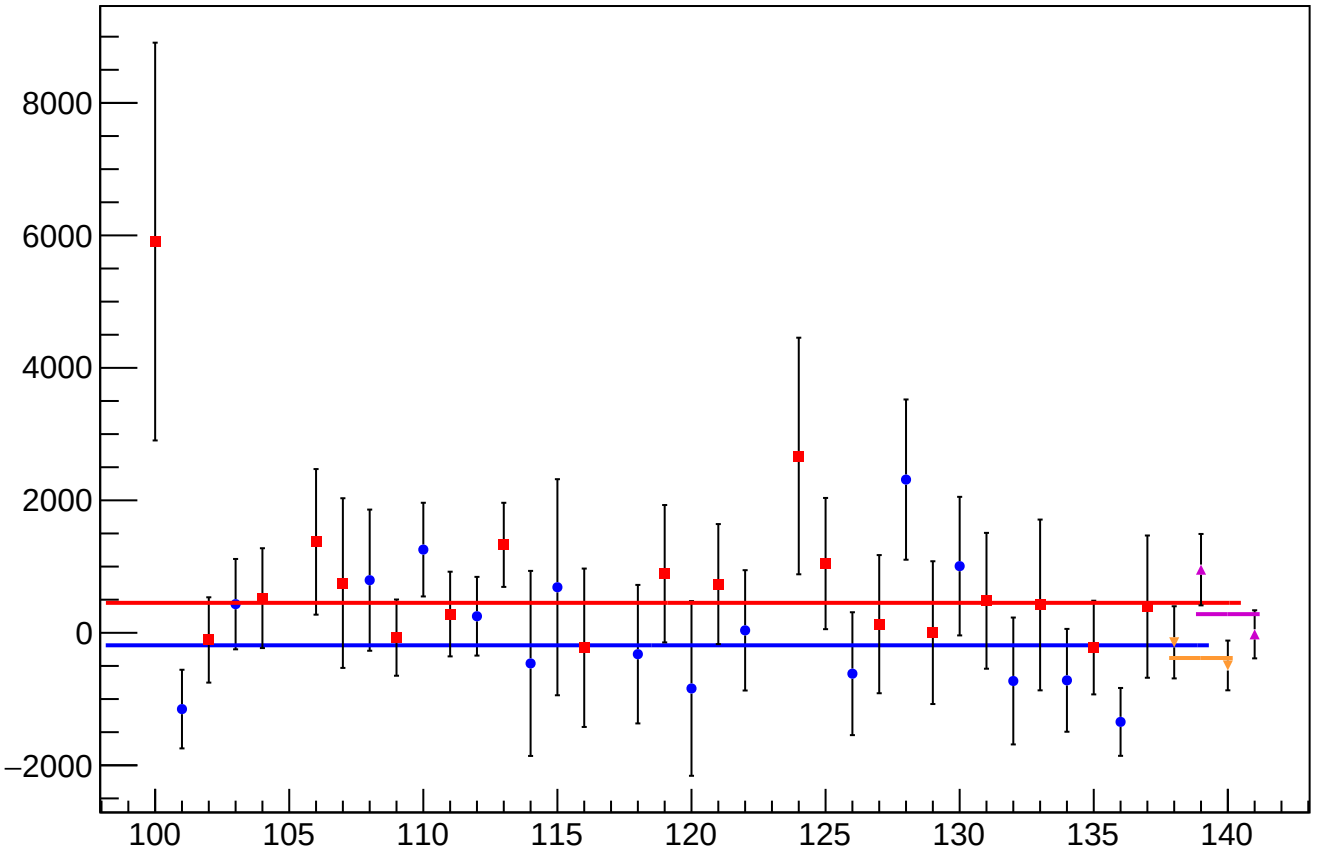
Left: 54.284+/-0.021 χ^2/NDF: 95415.7/3

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 52.370+/-0.013 χ^2/NDF:634148.4/17

Out: 52.170+/-0.013 χ^2/NDF:675370.2/20

All: 52.270+/-0.009 χ^2/NDF: 1309643.6/38



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -380.289+/-309.092 χ^2/NDF:0.3/1

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 281.980+/-301.171 χ^2/NDF:2.3/1

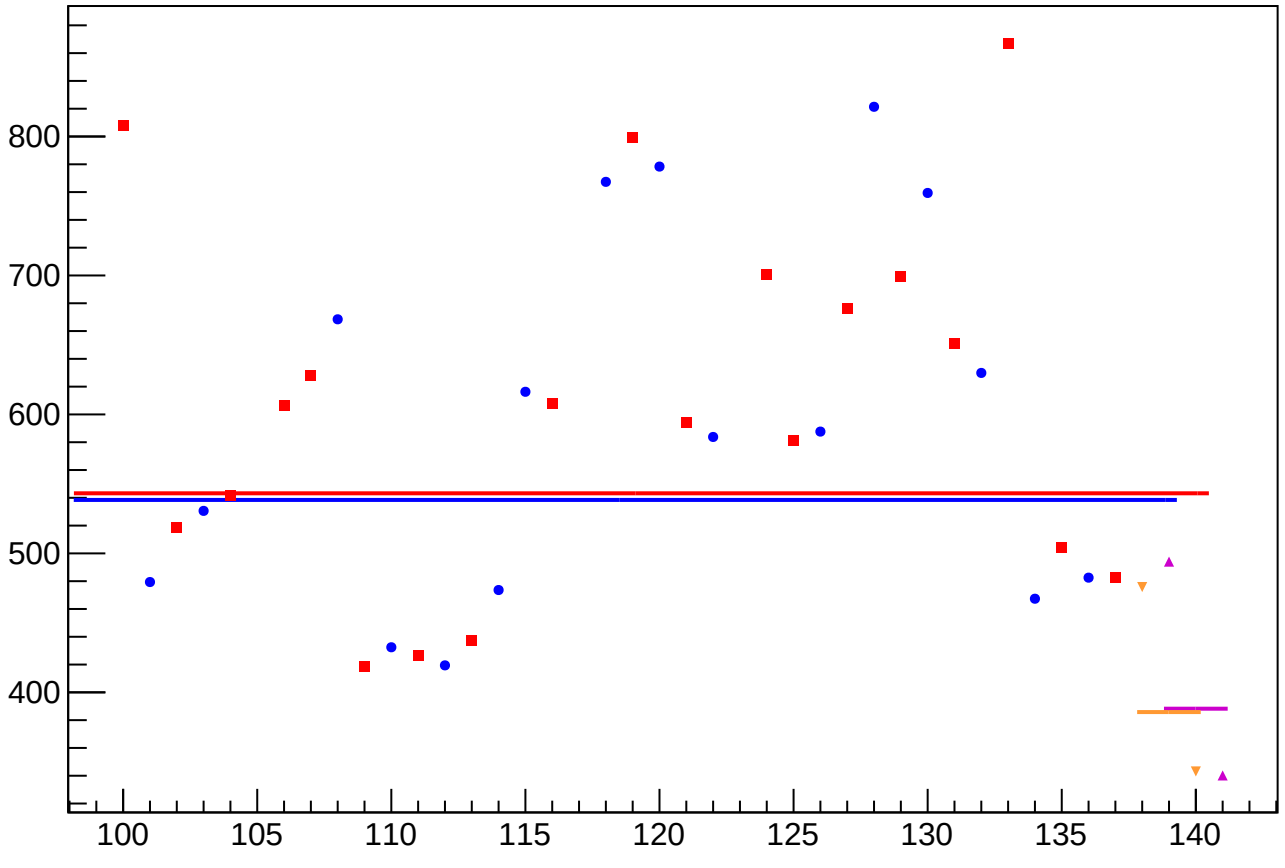
Left: -40.560+/-215.706 χ^2/NDF: 4.9/3

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: -38.774+/-169.924 χ^2/NDF:25.3/17

Out: 199.980+/-170.213 χ^2/NDF:16.6/20

All: 80.400+/-120.256 χ^2/NDF: 42.9/38



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 385.817+/-0.219 χ^2/NDF:80489.9/1

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 388.241+/-0.213 χ^2/NDF:112093.2/1

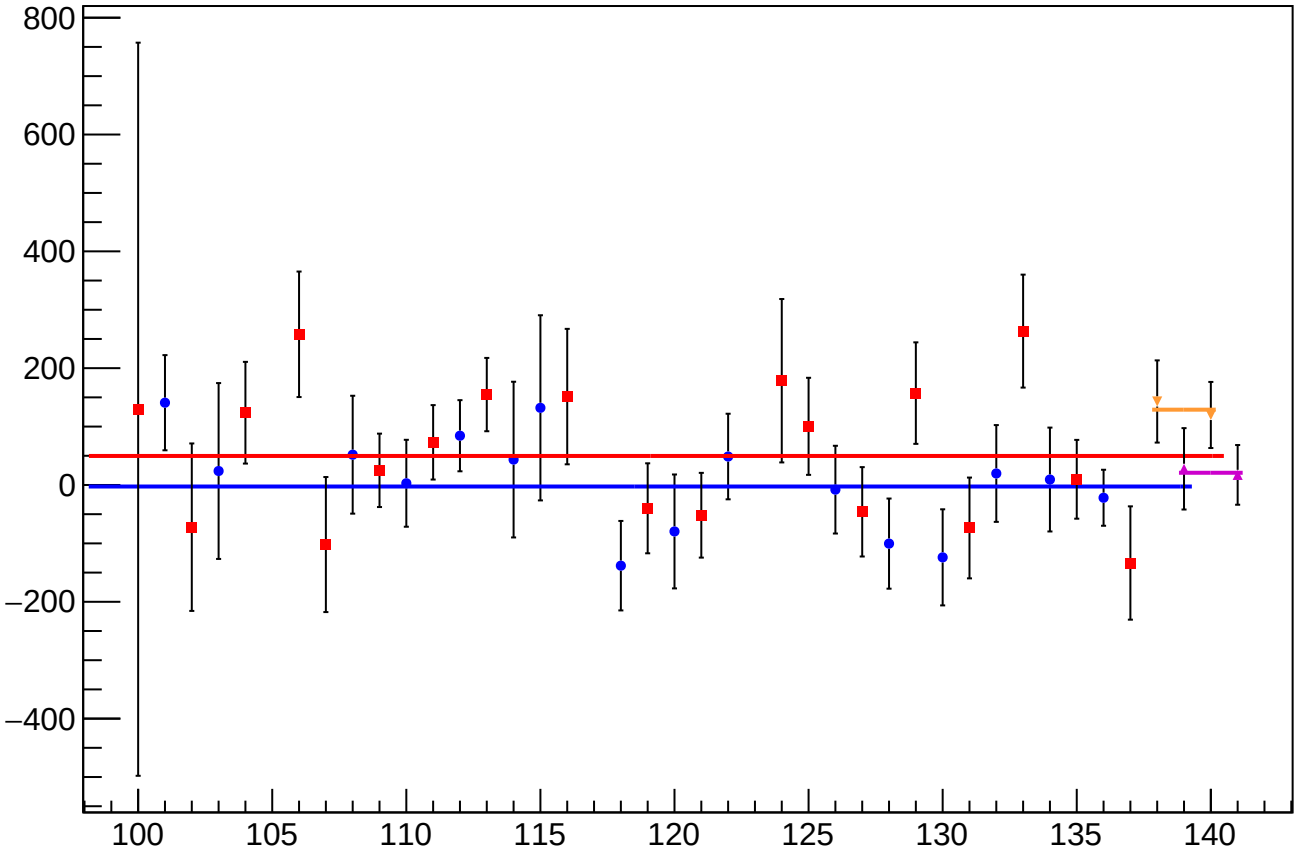
Left: 387.060+/-0.153 χ^2/NDF: 192646.1/3

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 490.645+/-0.120 χ^2/NDF:1065300.0/17

Out: 495.502+/-0.120 χ^2/NDF:1079074.8/20

All: 493.070+/-0.085 χ^2/NDF: 2145190.2/38



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 128.932+/-44.095 χ^2/NDF:0.1/1

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 20.914+/-41.210 χ^2/NDF:0.0/1

Left: 71.274+/-30.108 χ^2/NDF: 3.3/3

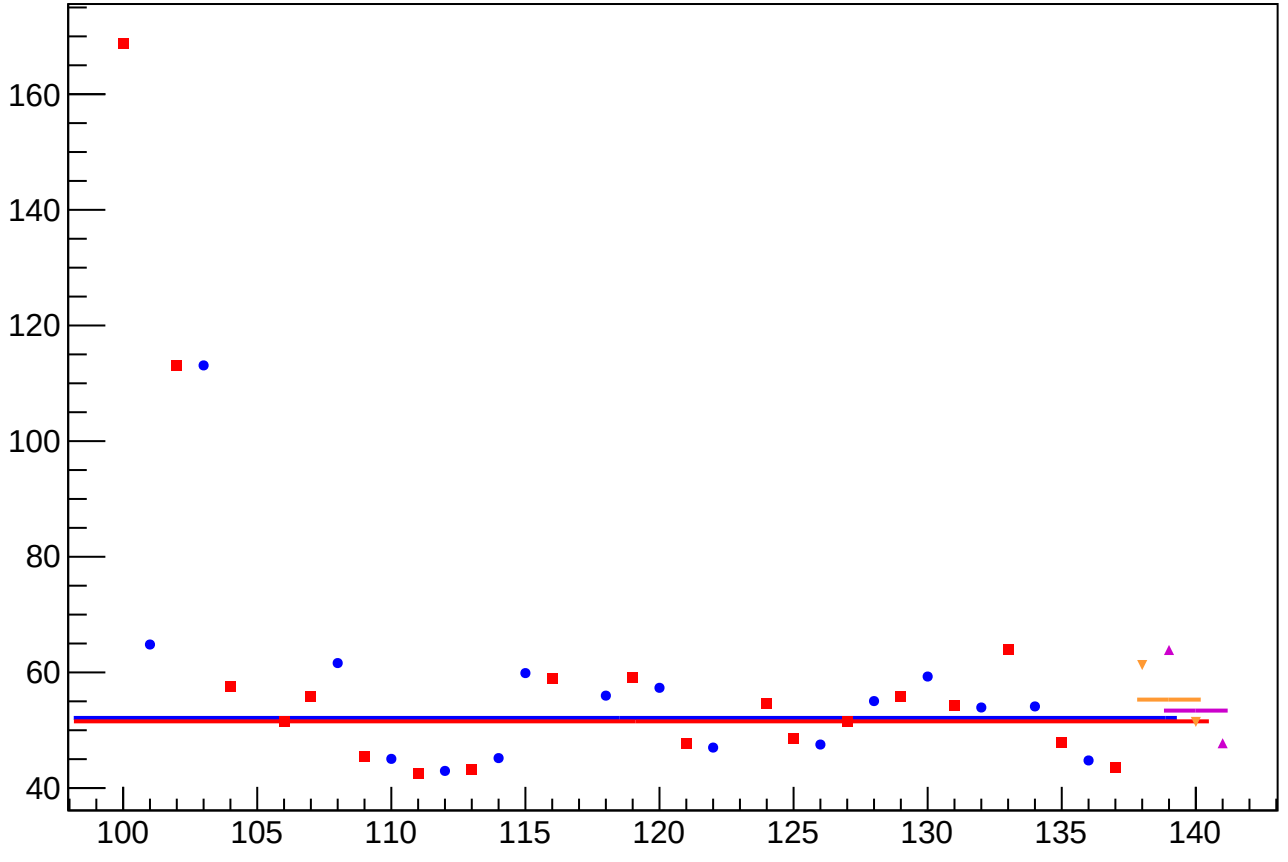
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 1.866+/-17.989 χ^2/NDF:14.9/17

Out: 62.790+/-17.927 χ^2/NDF:32.0/20

All: 32.433+/-12.698 χ^2/NDF: 52.7/38

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 55.299+/-0.031 χ^2/NDF:23736.0/1

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 53.398+/-0.029 χ^2/NDF:69694.7/1

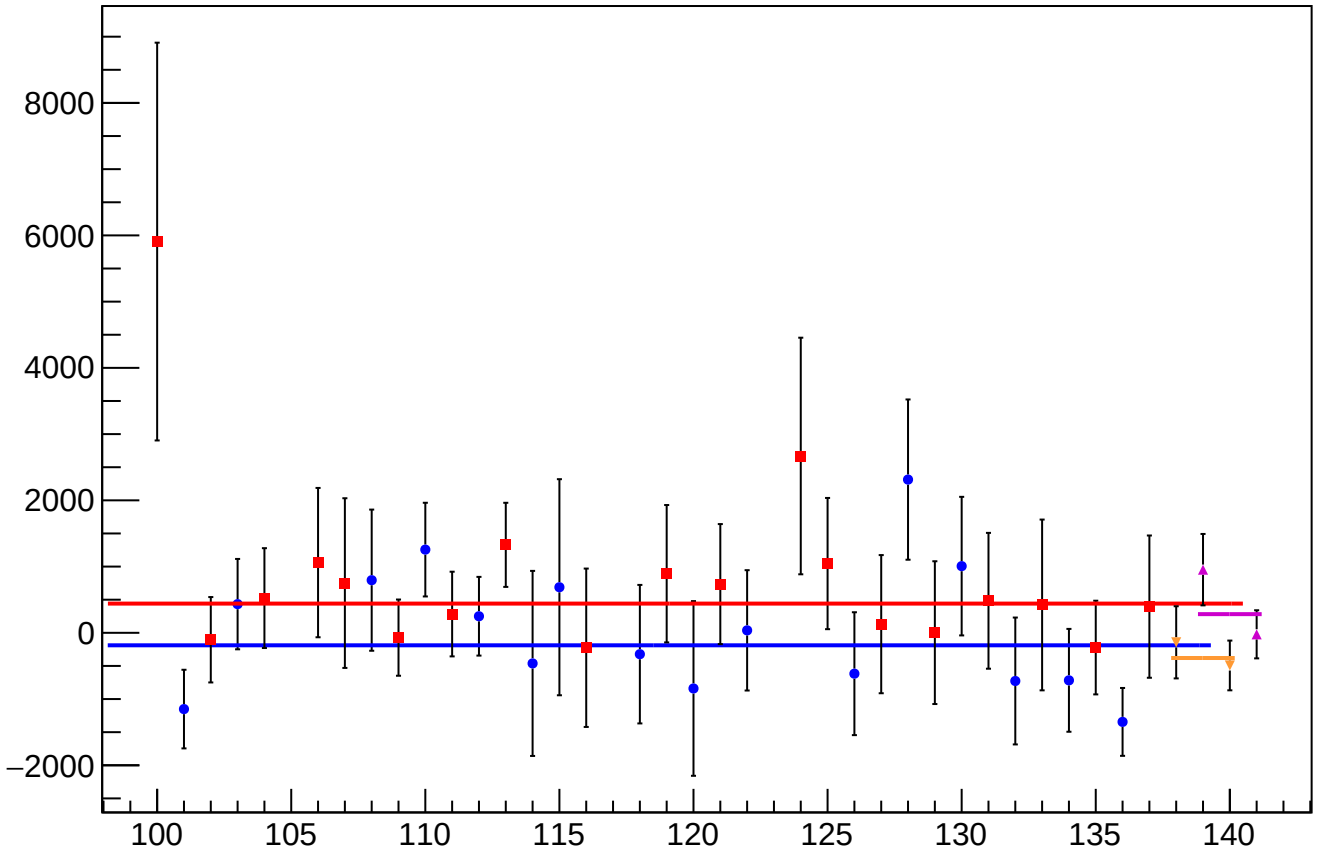
Left: 54.284+/-0.021 χ^2/NDF: 95415.7/3

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 52.370+/-0.013 χ^2/NDF:634150.7/17

Out: 52.161+/-0.013 χ^2/NDF:675656.3/20

All: 52.265+/-0.009 χ^2/NDF: 1309942.9/38



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -380.285+/-309.092 χ^2/NDF:0.3/1

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 281.992+/-301.172 χ^2/NDF:2.3/1

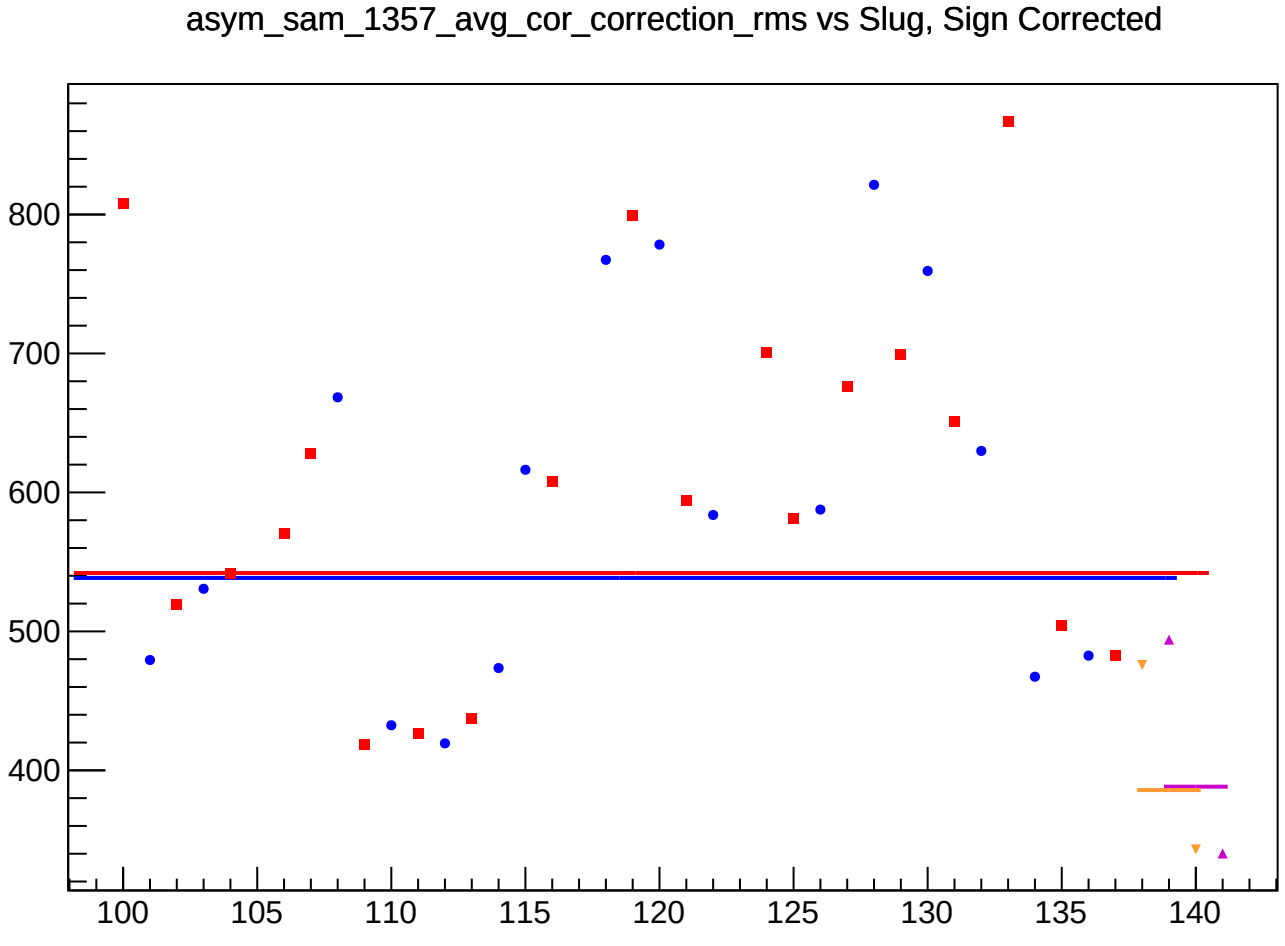
Left: -40.553+/-215.706 χ^2/NDF: 4.9/3

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -38.753+/-169.925 χ^2/NDF:25.3/17

Out: 191.731+/-170.325 χ^2/NDF:16.1/20

All: 76.218+/-120.296 χ^2/NDF: 42.3/38



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.817+/-0.219 χ^2/NDF:80489.8/1

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 388.241+/-0.213 χ^2/NDF:112091.7/1

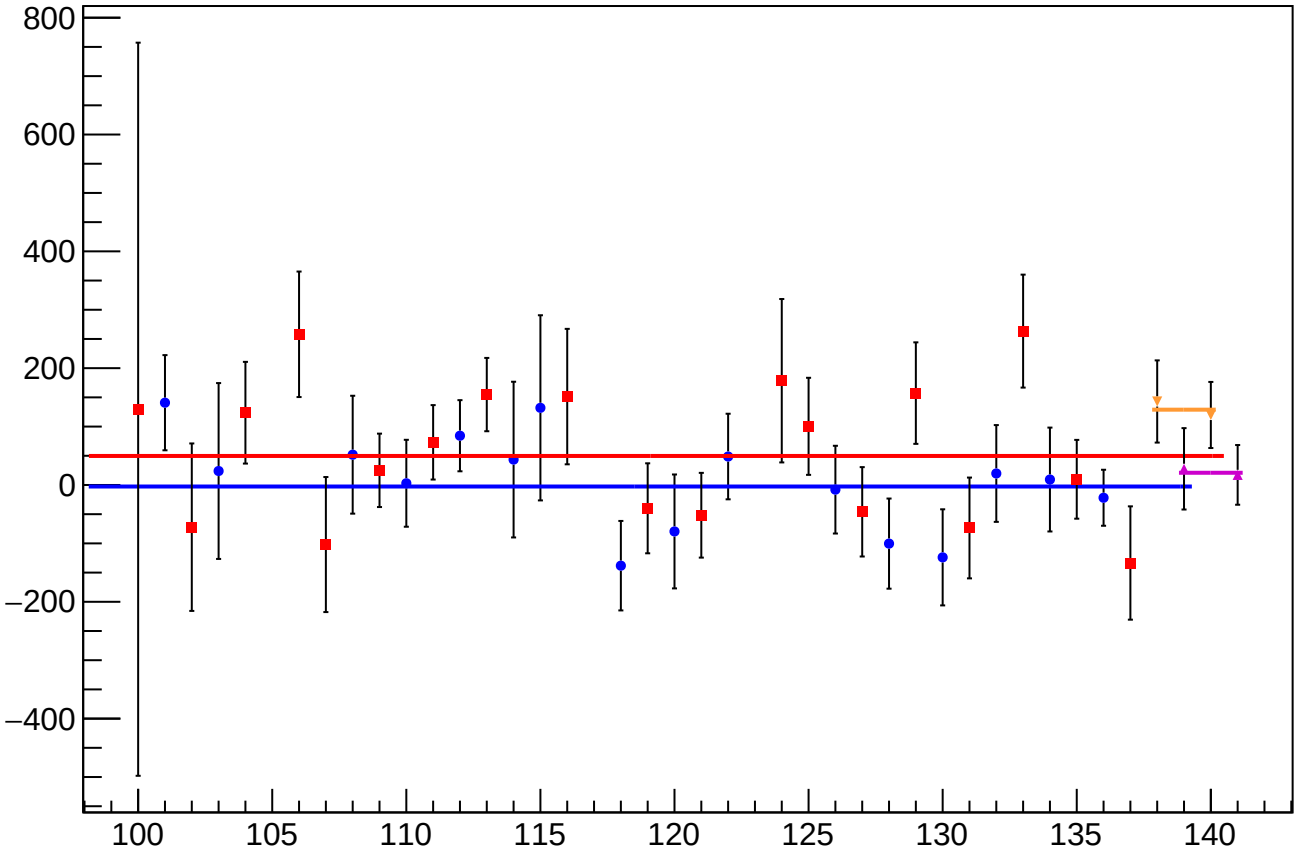
Left: 387.061+/-0.153 χ^2/NDF: 192644.6/3

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 490.649+/-0.120 χ^2/NDF:1065314.1/17

Out: 494.592+/-0.120 χ^2/NDF:1067752.2/20

All: 492.616+/-0.085 χ^2/NDF: 2133603.5/38



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 128.932+/-44.095 χ^2/NDF:0.1/1

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 20.914+/-41.210 χ^2/NDF:0.0/1

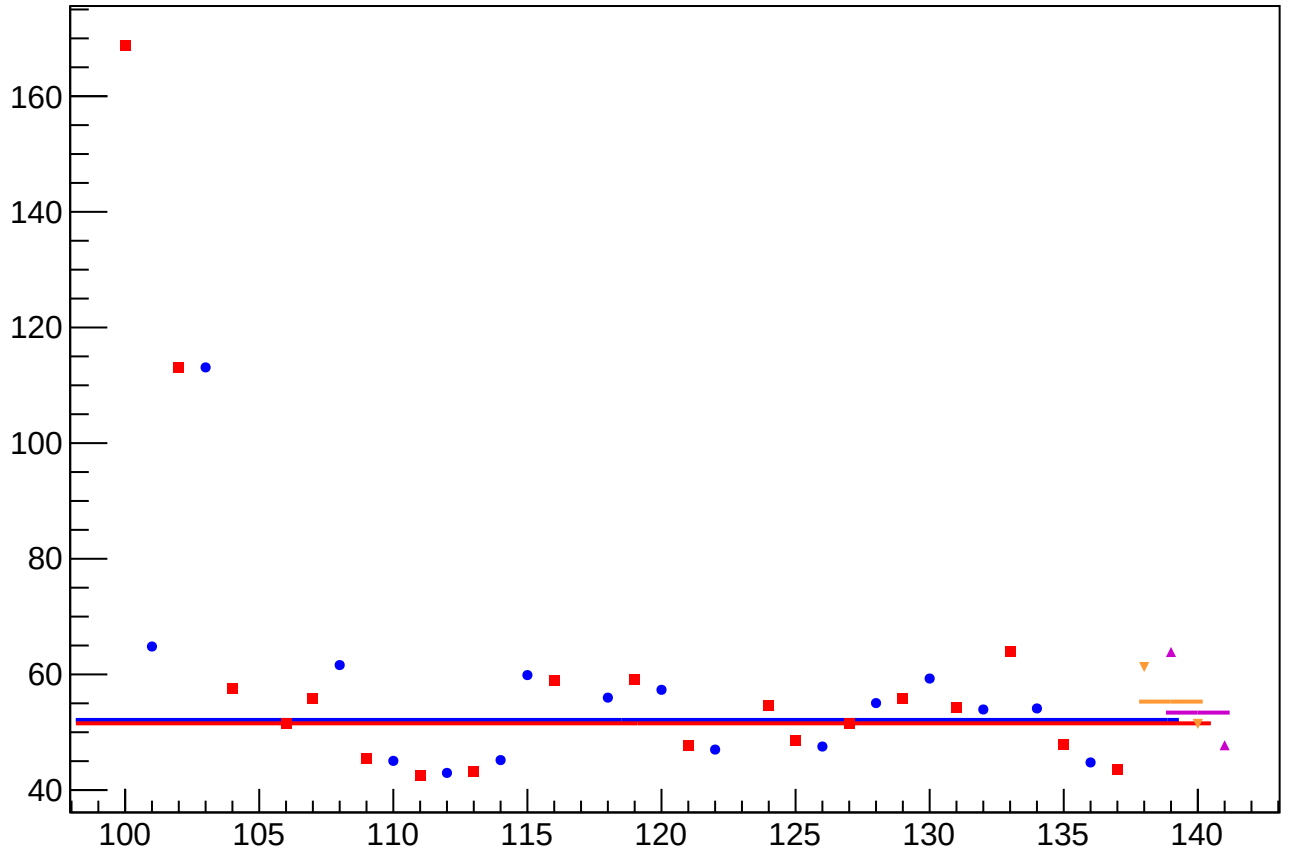
Left: 71.274+/-30.108 χ^2/NDF: 3.3/3

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 1.866+/-17.989 χ^2/NDF:14.9/17

Out: 62.790+/-17.927 χ^2/NDF:32.0/20

All: 32.433+/-12.698 χ^2/NDF: 52.7/38



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 55.299+/-0.031 χ^2/NDF:23736.0/1

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 53.398+/-0.029 χ^2/NDF:69694.7/1

Left: 54.284+/-0.021 χ^2/NDF: 95415.7/3

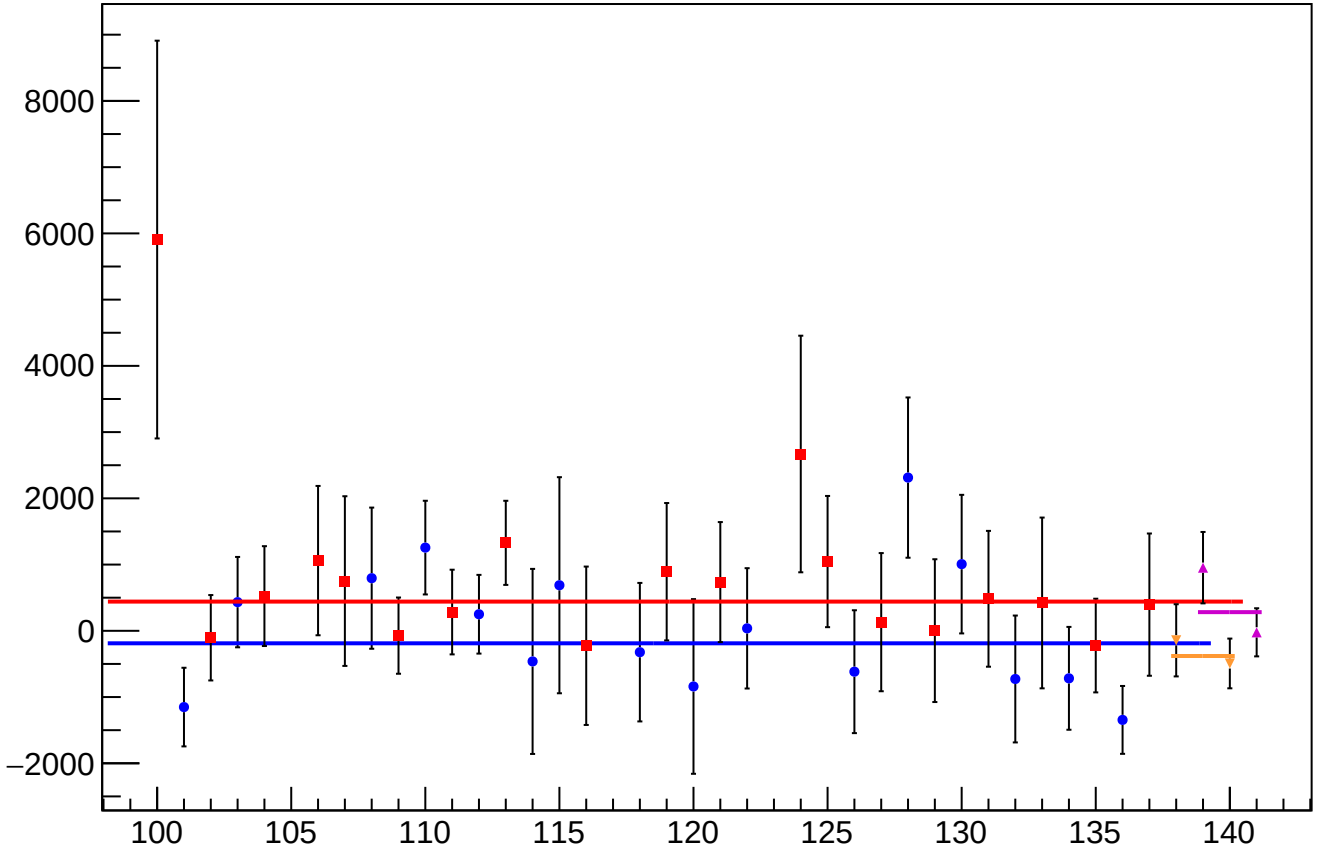
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 52.370+/-0.013 χ^2/NDF:634150.7/17

Out: 52.161+/-0.013 χ^2/NDF:675656.3/20

All: 52.265+/-0.009 χ^2/NDF: 1309942.9/38

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -380.285+/-309.092 χ^2/NDF:0.3/1

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 281.992+/-301.172 χ^2/NDF:2.3/1

Left: -40.553+/-215.706 χ^2/NDF: 4.9/3

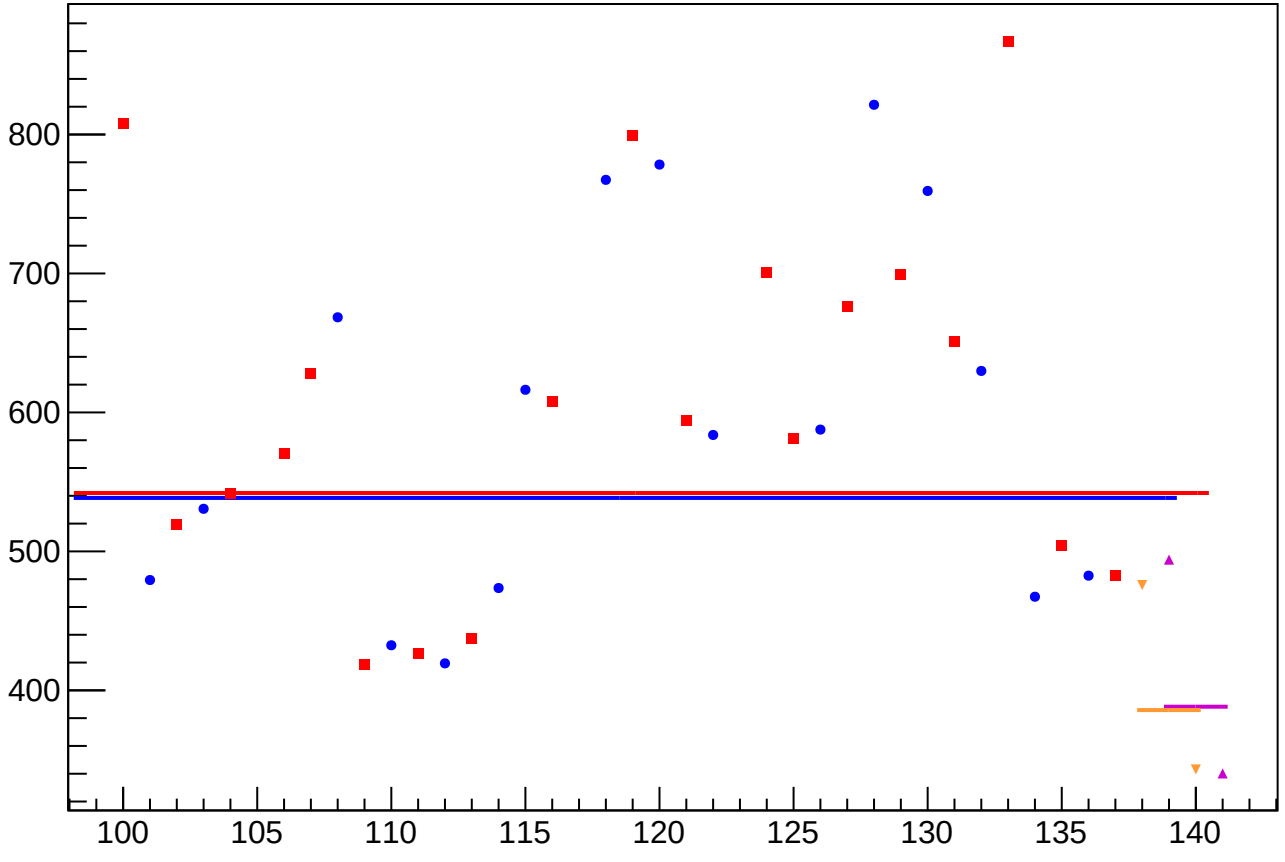
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -38.753+/-169.925 χ^2/NDF:25.3/17

Out: 191.731+/-170.325 χ^2/NDF:16.1/20

All: 76.218+/-120.296 χ^2/NDF: 42.3/38

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.817+/-0.219 χ^2/NDF:80489.8/1

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 388.241+/-0.213 χ^2/NDF:112091.7/1

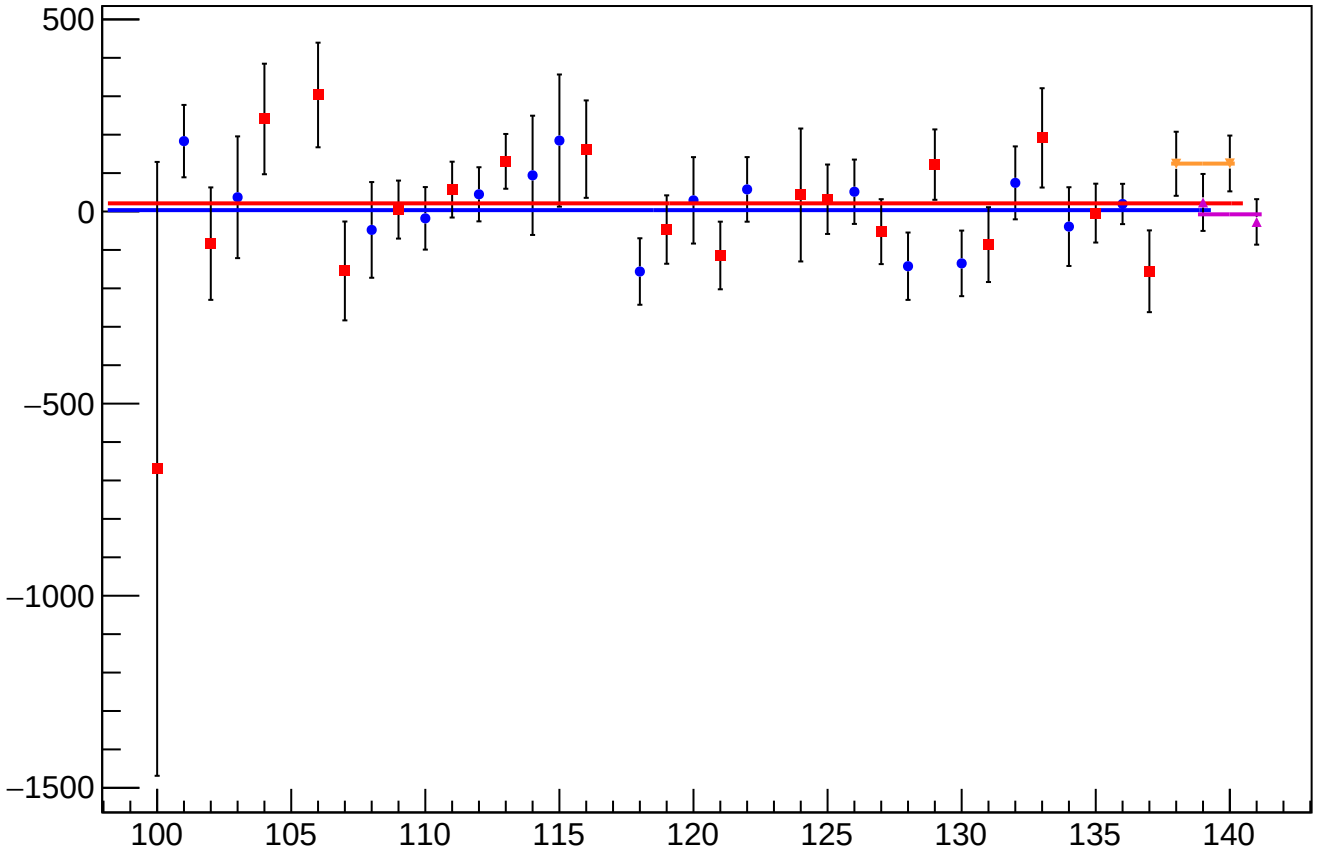
Left: 387.061+/-0.153 χ^2/NDF: 192644.6/3

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 490.649+/-0.120 χ^2/NDF:1065314.1/17

Out: 494.592+/-0.120 χ^2/NDF:1067752.2/20

All: 492.616+/-0.085 χ^2/NDF: 2133603.5/38



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 124.723+/-54.761 χ^2/NDF:0.0/1

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: -7.299+/-46.254 χ^2/NDF:0.3/1

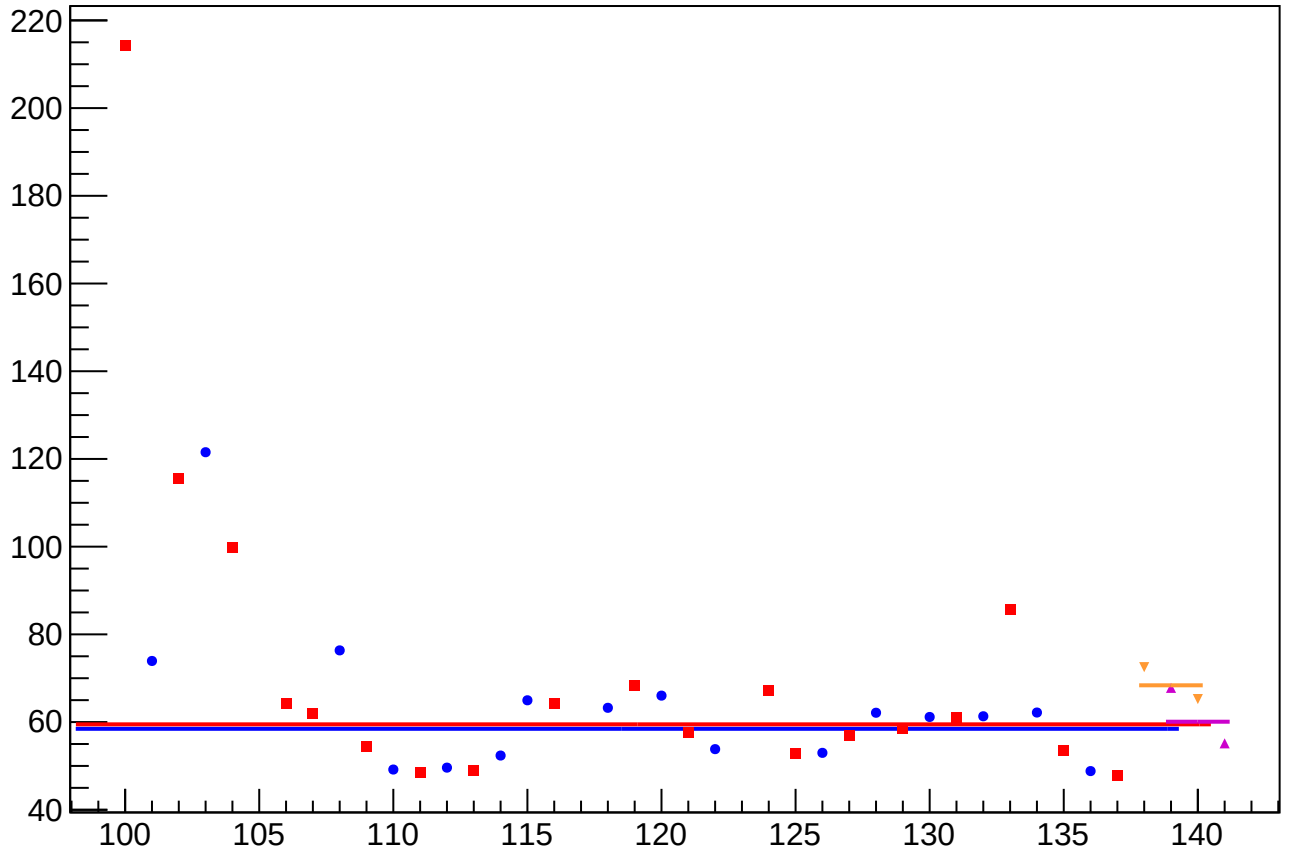
Left: 47.672+/-35.336 χ^2/NDF: 3.7/3

Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 1.515+/-20.219 χ^2/NDF:16.5/17

Out: 36.504+/-21.024 χ^2/NDF:27.5/20

All: 18.327+/-14.573 χ^2/NDF: 45.4/38



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 68.385+/-0.039 χ^2/NDF:8656.4/1

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 60.082+/-0.033 χ^2/NDF:35587.3/1

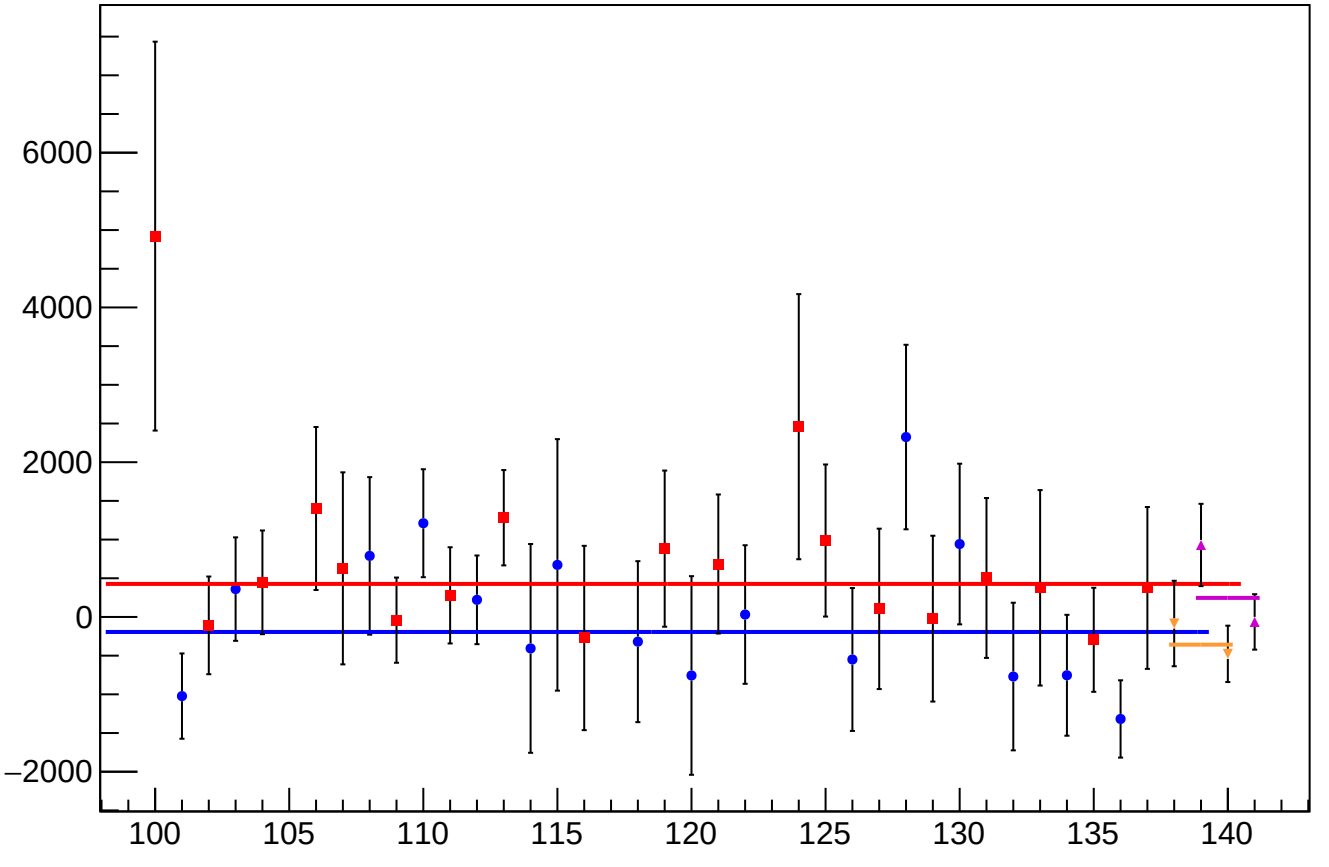
Left: 63.539+/-0.025 χ^2/NDF: 71076.3/3

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.774+/-0.014 χ^2/NDF:620547.4/17

Out: 60.796+/-0.015 χ^2/NDF:838583.9/20

All: 59.746+/-0.010 χ^2/NDF: 1468739.3/38



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -358.036+/-304.137 χ^2/NDF:0.4/1

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 246.420+/-297.132 χ^2/NDF:2.4/1

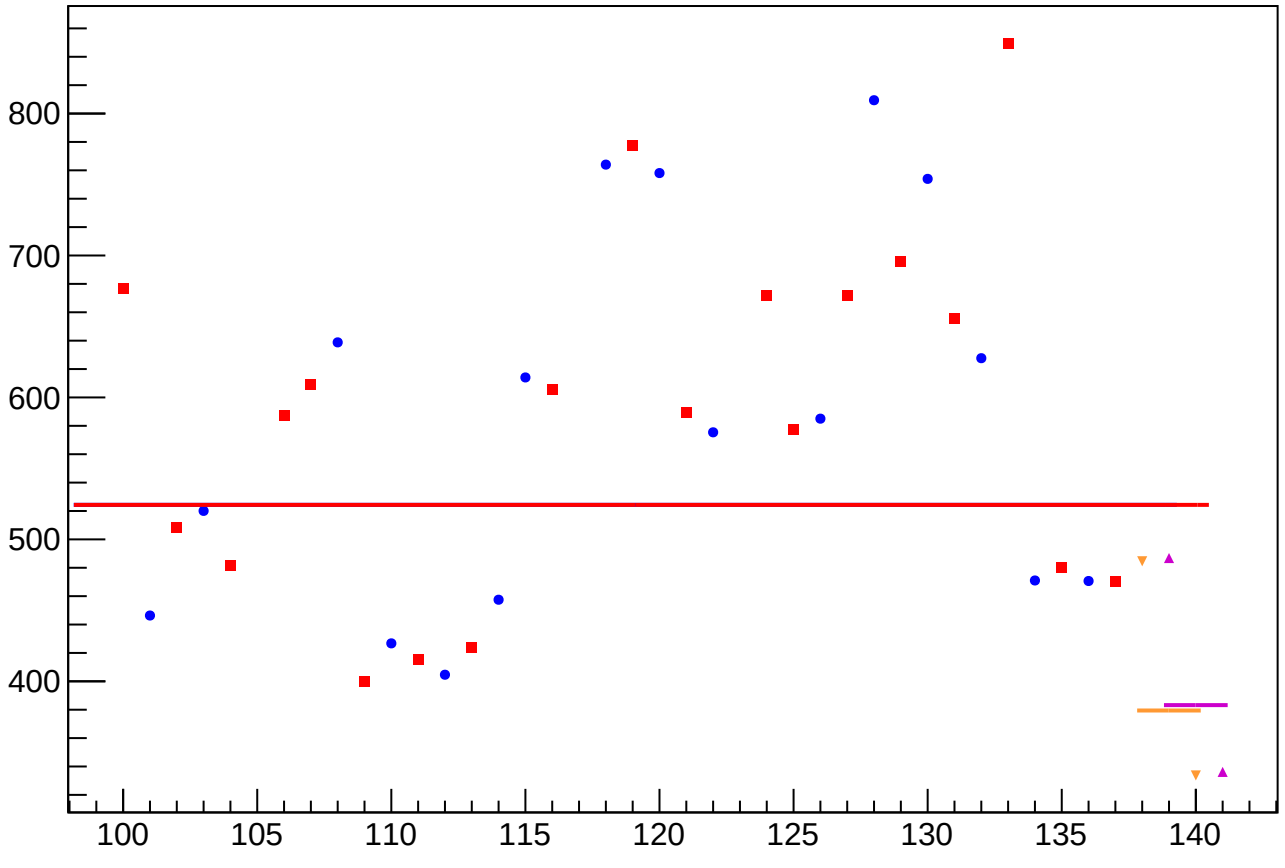
Left: -48.767+/-212.537 χ^2/NDF: 4.8/3

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: -56.038+/-166.260 χ^2/NDF:24.7/17

Out: 194.953+/-165.347 χ^2/NDF:16.4/20

All: 70.148+/-117.239 χ^2/NDF: 42.2/38



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 379.444+/-0.215 χ^2/NDF:103981.1/1

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 383.236+/-0.210 χ^2/NDF:110429.7/1

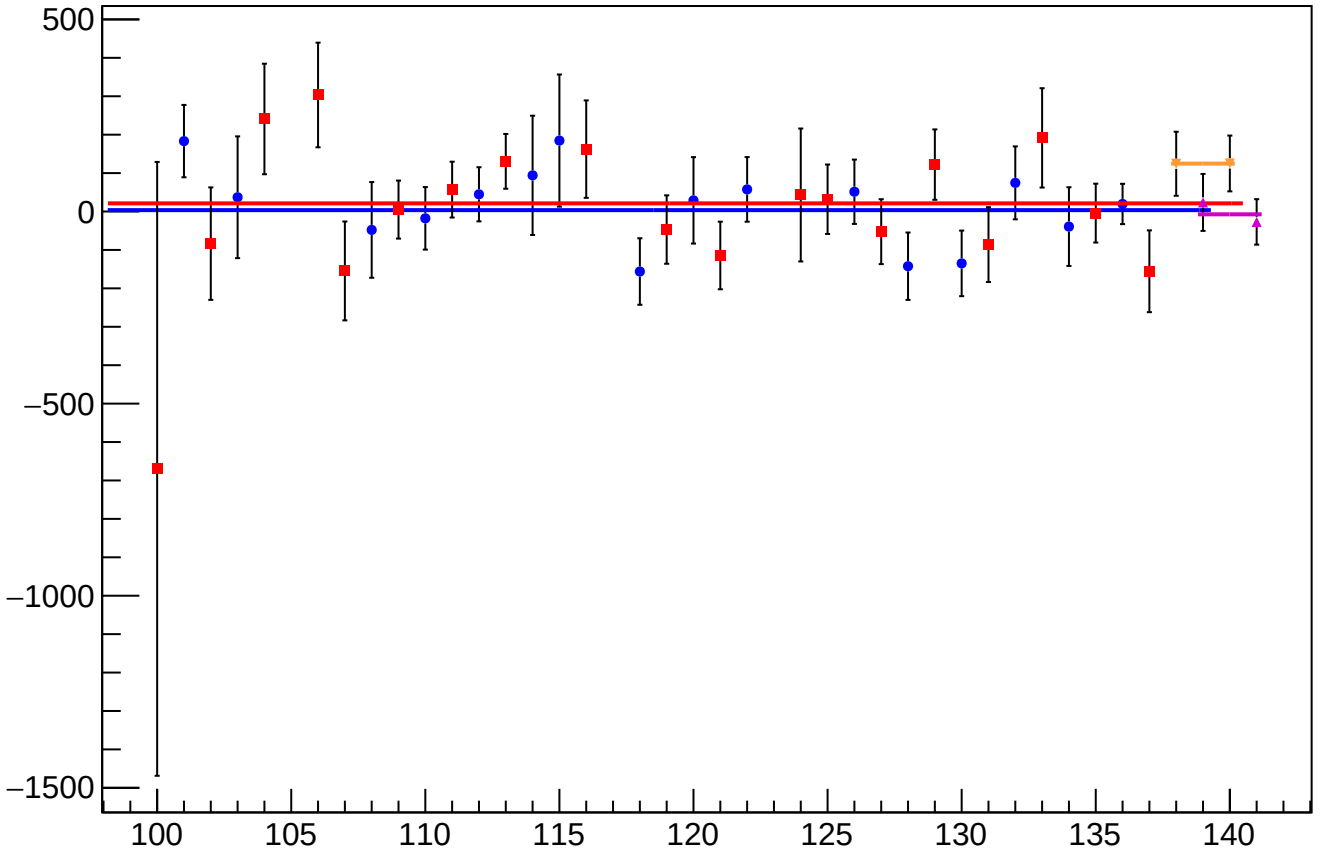
Left: 381.384+/-0.150 χ^2/NDF: 214569.9/3

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 480.152+/-0.118 χ^2/NDF:1078675.9/17

Out: 481.490+/-0.117 χ^2/NDF:1109670.0/20

All: 480.824+/-0.083 χ^2/NDF: 2188411.0/38



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 124.723+/-54.761 χ^2/NDF:0.0/1

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: -7.298+/-46.254 χ^2/NDF:0.3/1

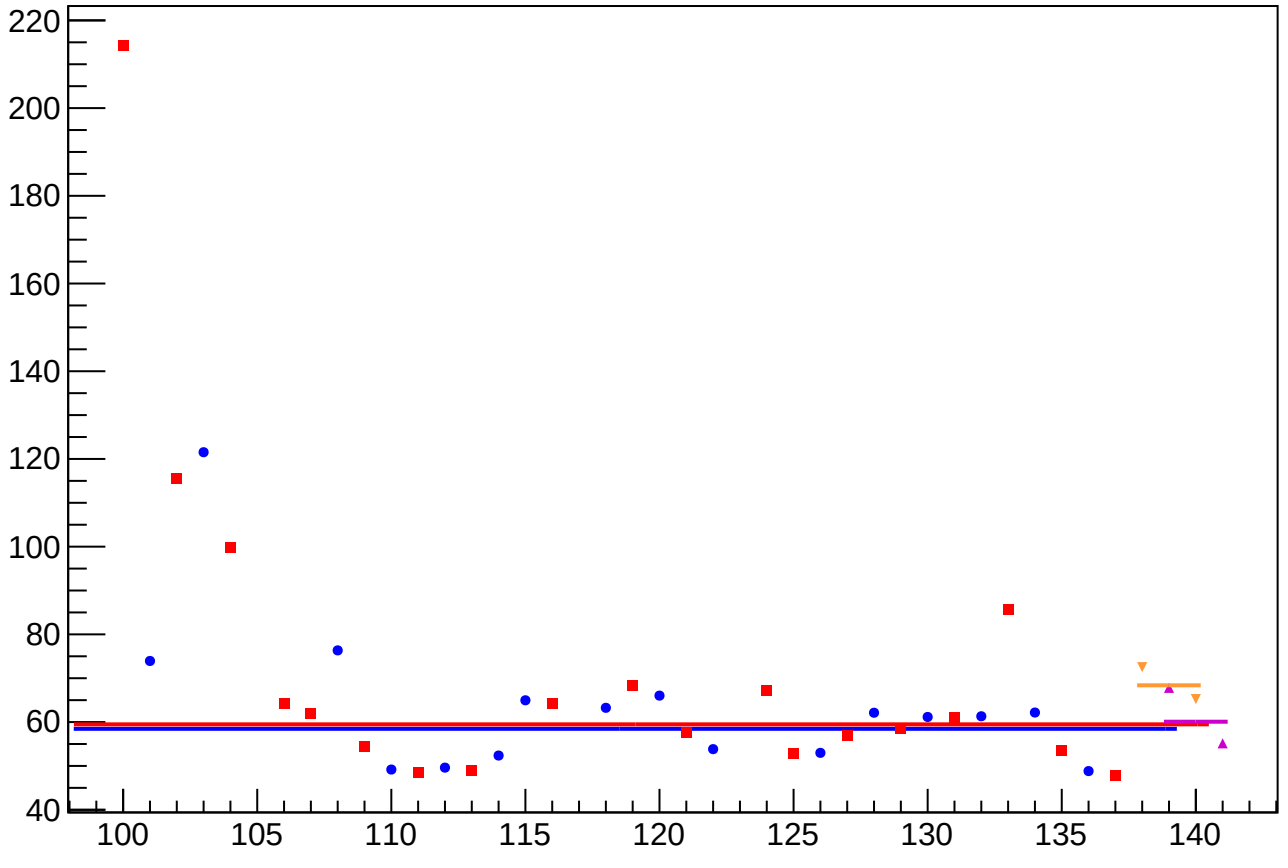
Left: 47.673+/-35.336 χ^2/NDF: 3.7/3

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 1.515+/-20.219 χ^2/NDF:16.5/17

Out: 36.503+/-21.024 χ^2/NDF:27.5/20

All: 18.326+/-14.573 χ^2/NDF: 45.4/38



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 68.385+/-0.039 χ^2/NDF:8655.8/1

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 60.082+/-0.033 χ^2/NDF:35585.8/1

Left: 63.539+/-0.025 χ^2/NDF: 71074.2/3

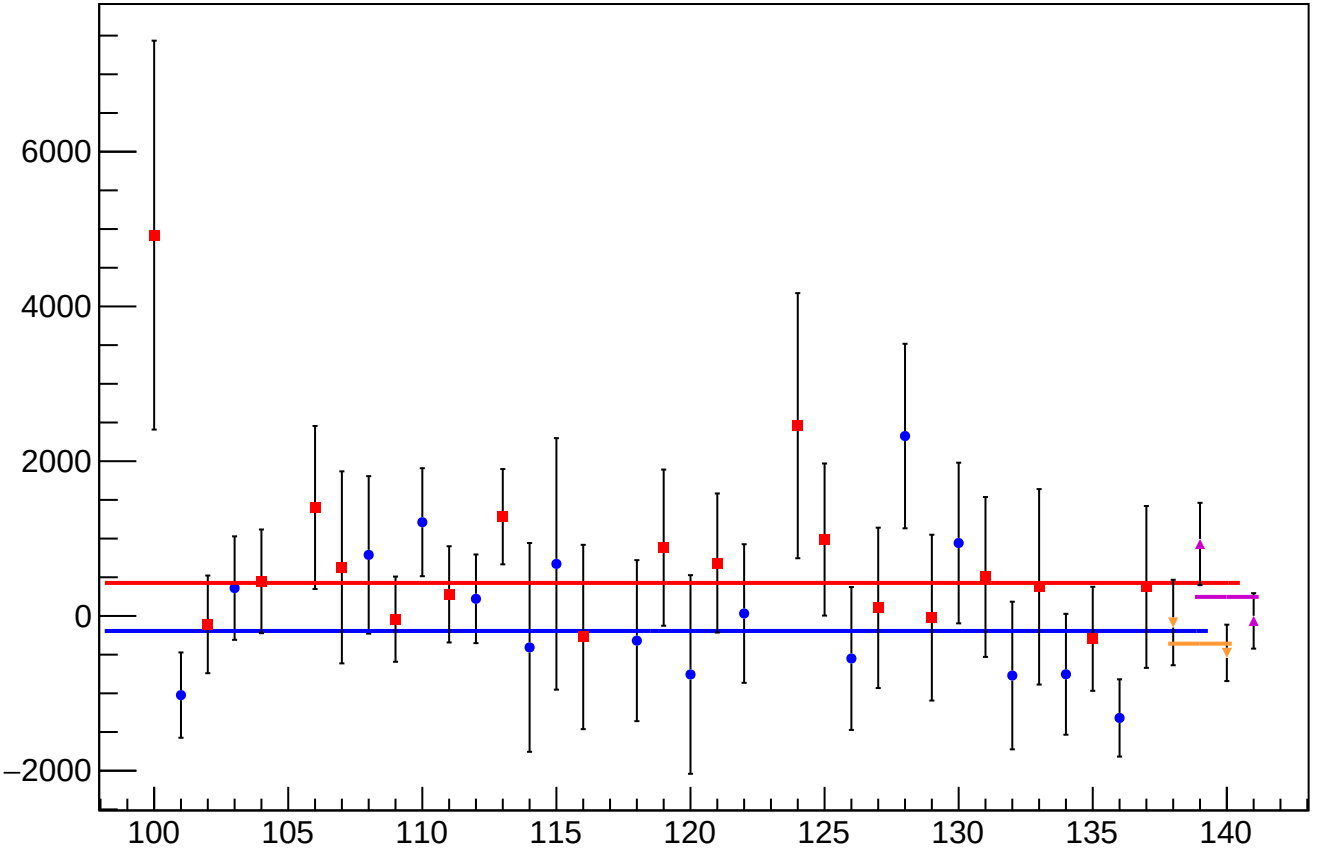
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.774+/-0.014 χ^2/NDF:620542.6/17

Out: 60.796+/-0.015 χ^2/NDF:838584.7/20

All: 59.746+/-0.010 χ^2/NDF: 1468735.4/38

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -358.036+/-304.137 χ^2/NDF:0.4/1

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 246.420+/-297.132 χ^2/NDF:2.4/1

Left: -48.766+/-212.537 χ^2/NDF: 4.8/3

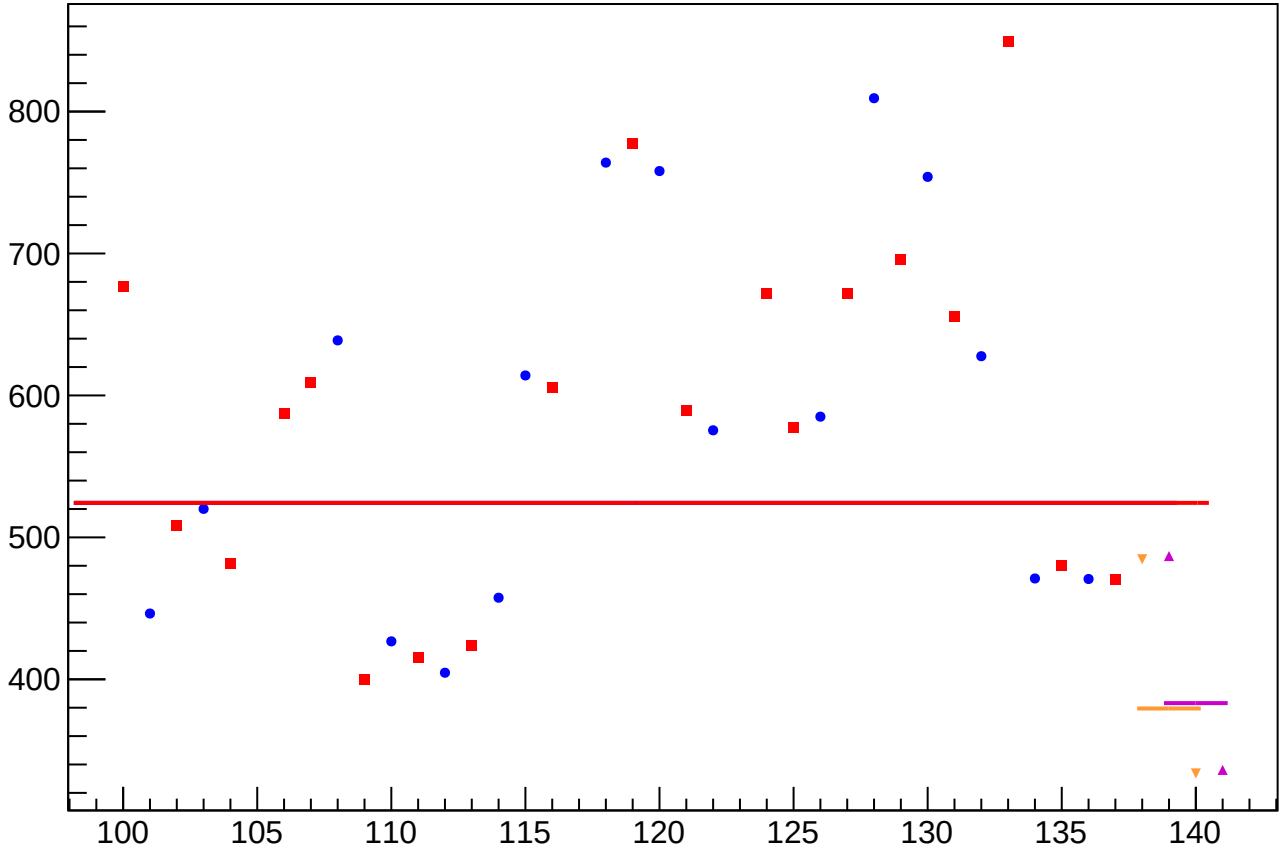
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: -56.038+/-166.260 χ^2/NDF:24.7/17

Out: 194.954+/-165.347 χ^2/NDF:16.4/20

All: 70.149+/-117.239 χ^2/NDF: 42.2/38

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 379.444+/-0.215 χ^2/NDF:103982.1/1

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 383.236+/-0.210 χ^2/NDF:110430.0/1

Left: 381.384+/-0.150 χ^2/NDF: 214571.3/3

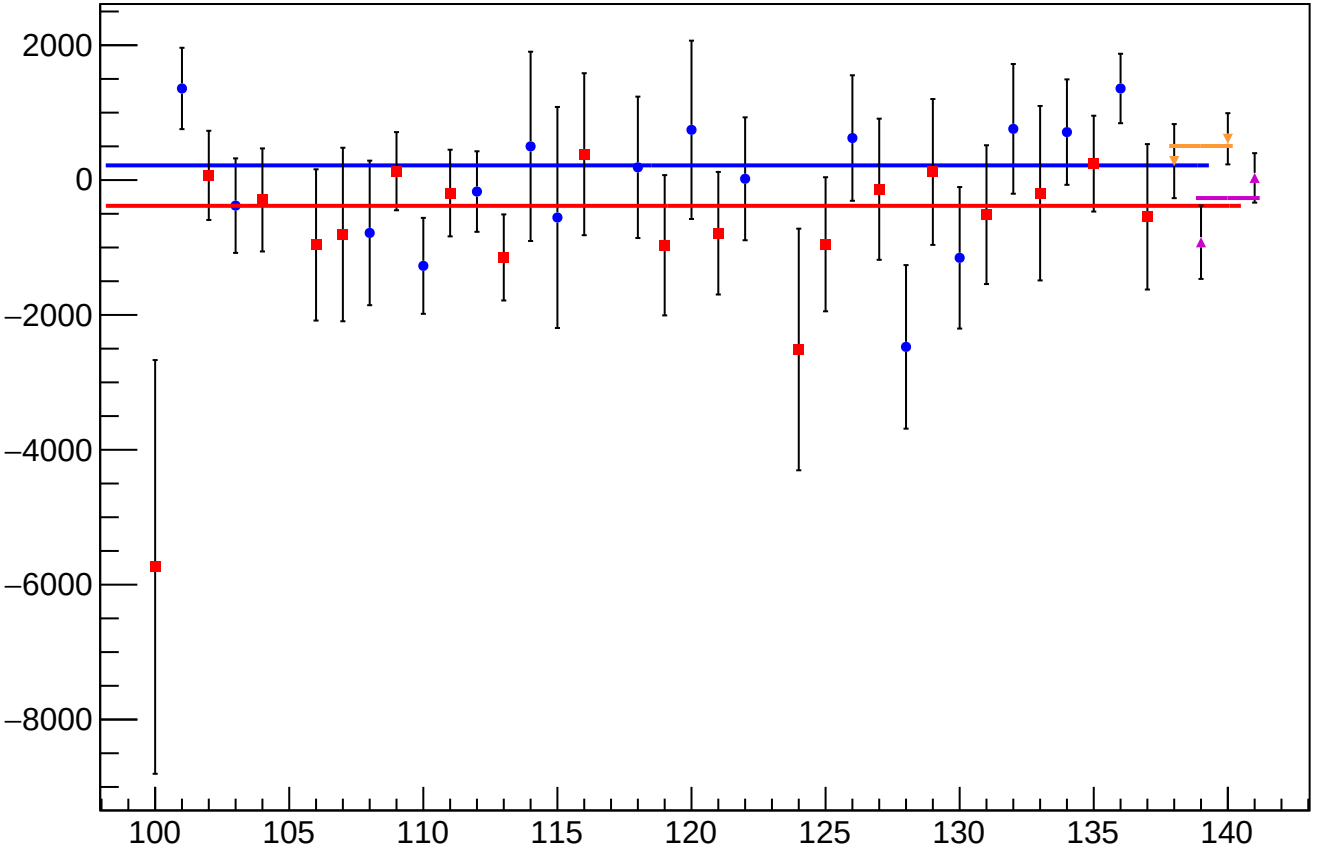
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 480.151+/-0.118 χ^2/NDF:1078676.6/17

Out: 481.489+/-0.117 χ^2/NDF:1109668.1/20

All: 480.824+/-0.083 χ^2/NDF: 2188409.8/38

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 505.325+/-312.359 χ^2/NDF:0.2/1

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -266.432+/-304.029 χ^2/NDF:2.1/1

Left: 109.019+/-217.866 χ^2/NDF: 5.5/3

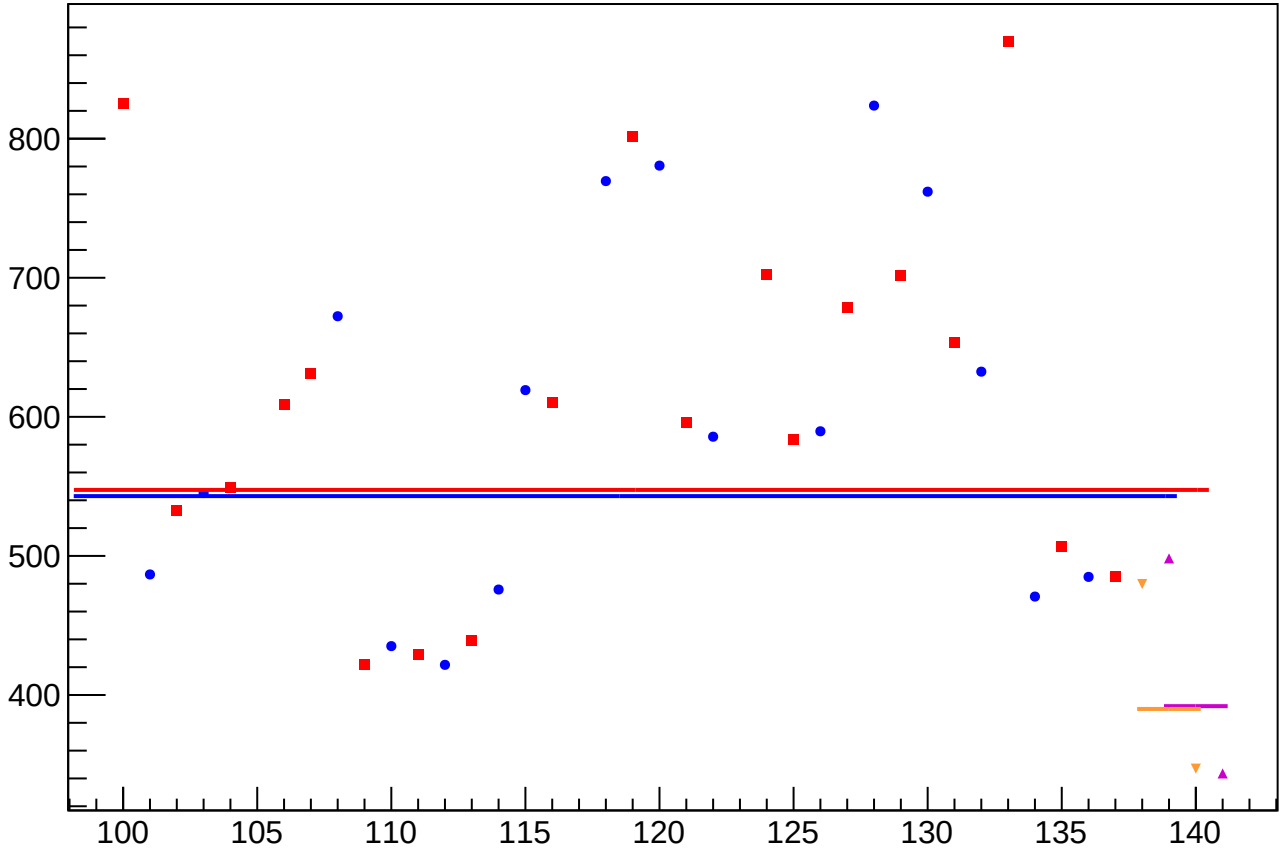
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 63.898+/-171.383 χ^2/NDF:26.7/17

Out: -113.688+/-171.728 χ^2/NDF:15.9/20

All: -24.716+/-121.308 χ^2/NDF: 43.1/38

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 389.970+/-0.221 χ^2/NDF:79035.0/1

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 391.976+/-0.215 χ^2/NDF:111214.5/1

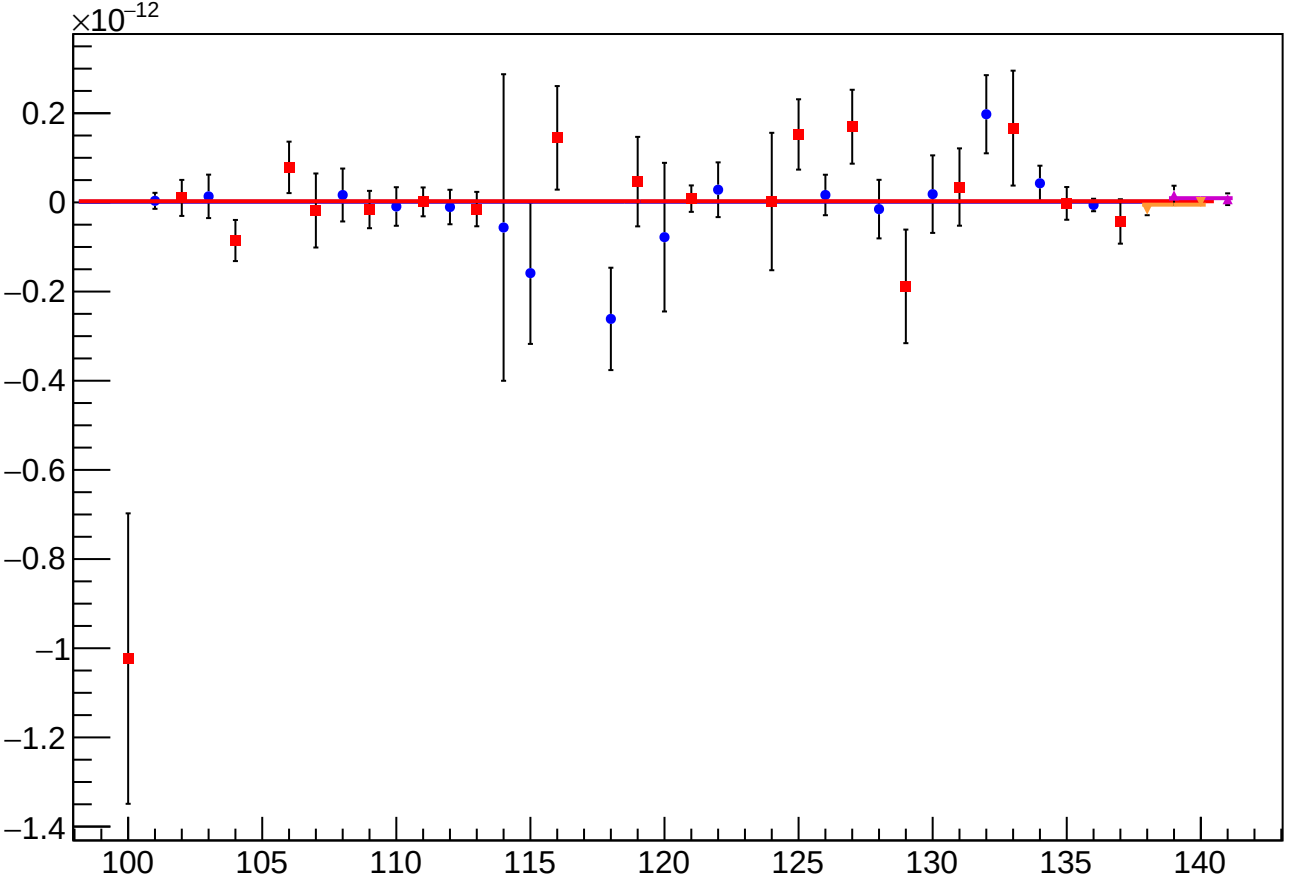
Left: 391.000+/-0.154 χ^2/NDF: 190291.8/3

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 495.008+/-0.121 χ^2/NDF:1053139.2/17

Out: 499.861+/-0.121 χ^2/NDF:1064090.7/20

All: 497.430+/-0.086 χ^2/NDF: 2118030.1/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/1

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

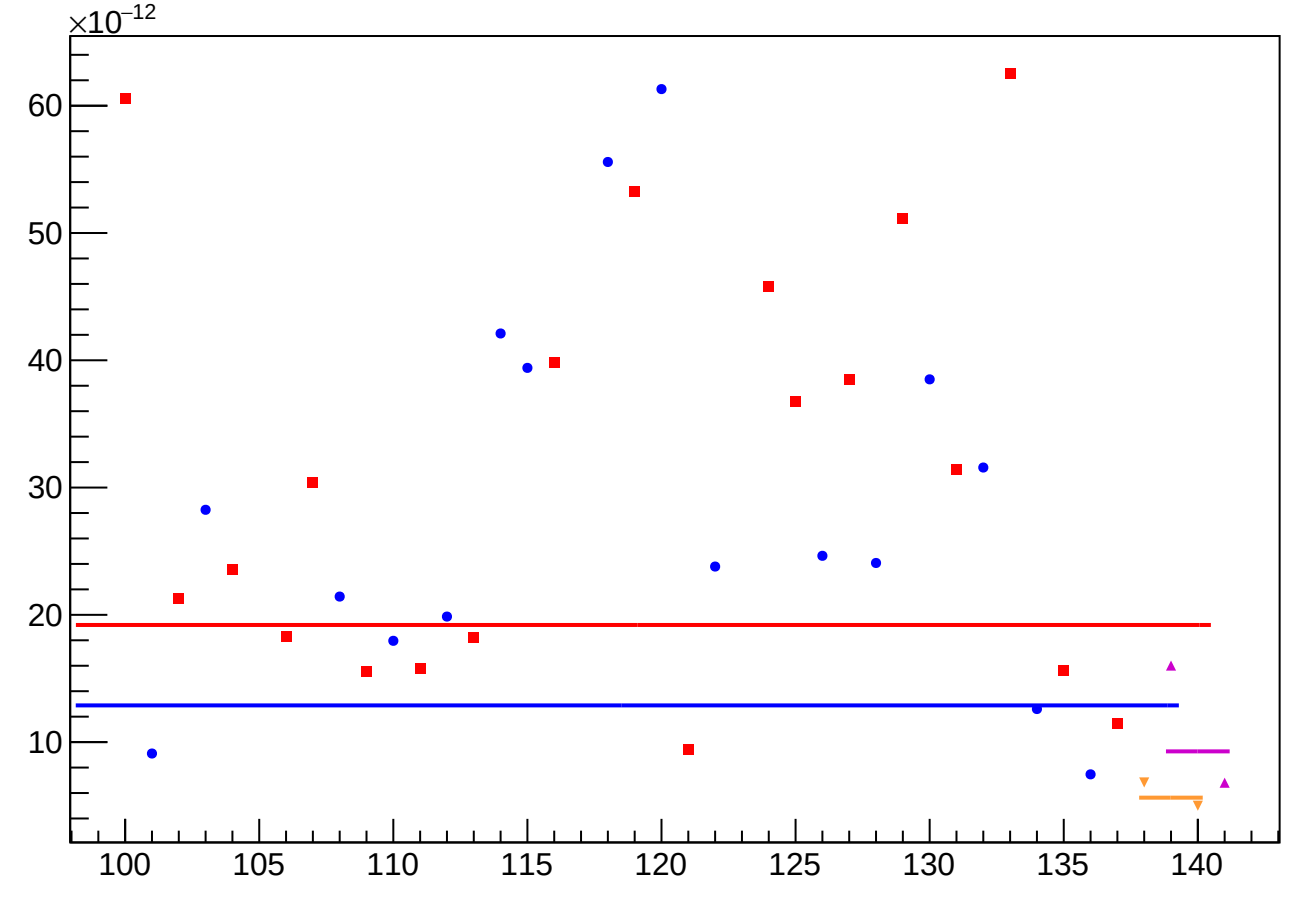
Left: -0.000+/-0.000 χ^2/NDF: 2.5/3

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:14.0/17

Out: -0.000+/-0.000 χ^2/NDF:31.6/20

All: 0.000+/-0.000 χ^2/NDF: 46.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:28387.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:263607.2/1

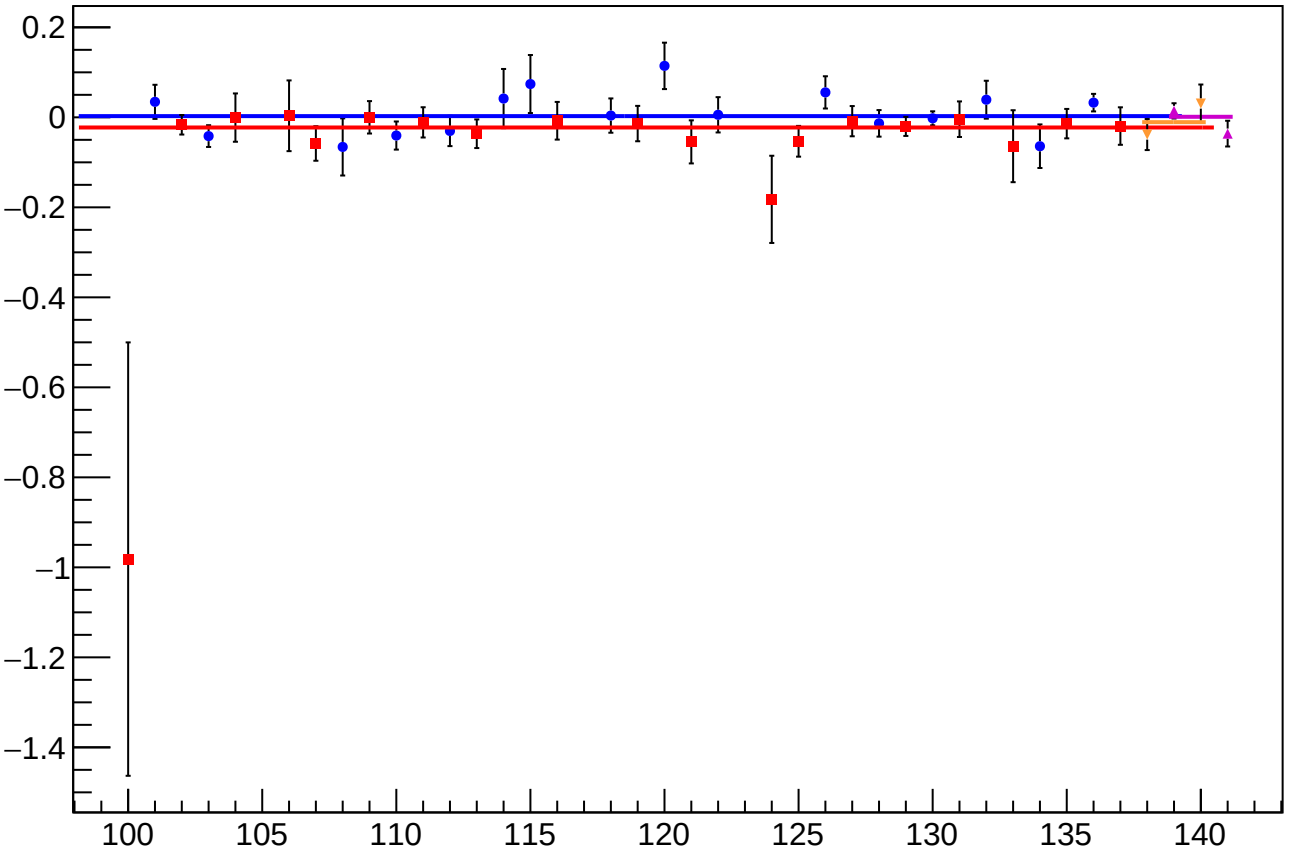
Left: 0.000+/-0.000 χ^2/NDF: 439526.4/3

Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:2145759.0/17

Out: 0.000+/-0.000 χ^2/NDF:3232015.6/20

All: 0.000+/-0.000 χ^2/NDF: 5488186.9/38



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.011+/-0.027 χ^2/NDF:1.6/1

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.001+/-0.015 χ^2/NDF:2.3/1

Left: -0.002+/-0.013 χ^2/NDF: 4.1/3

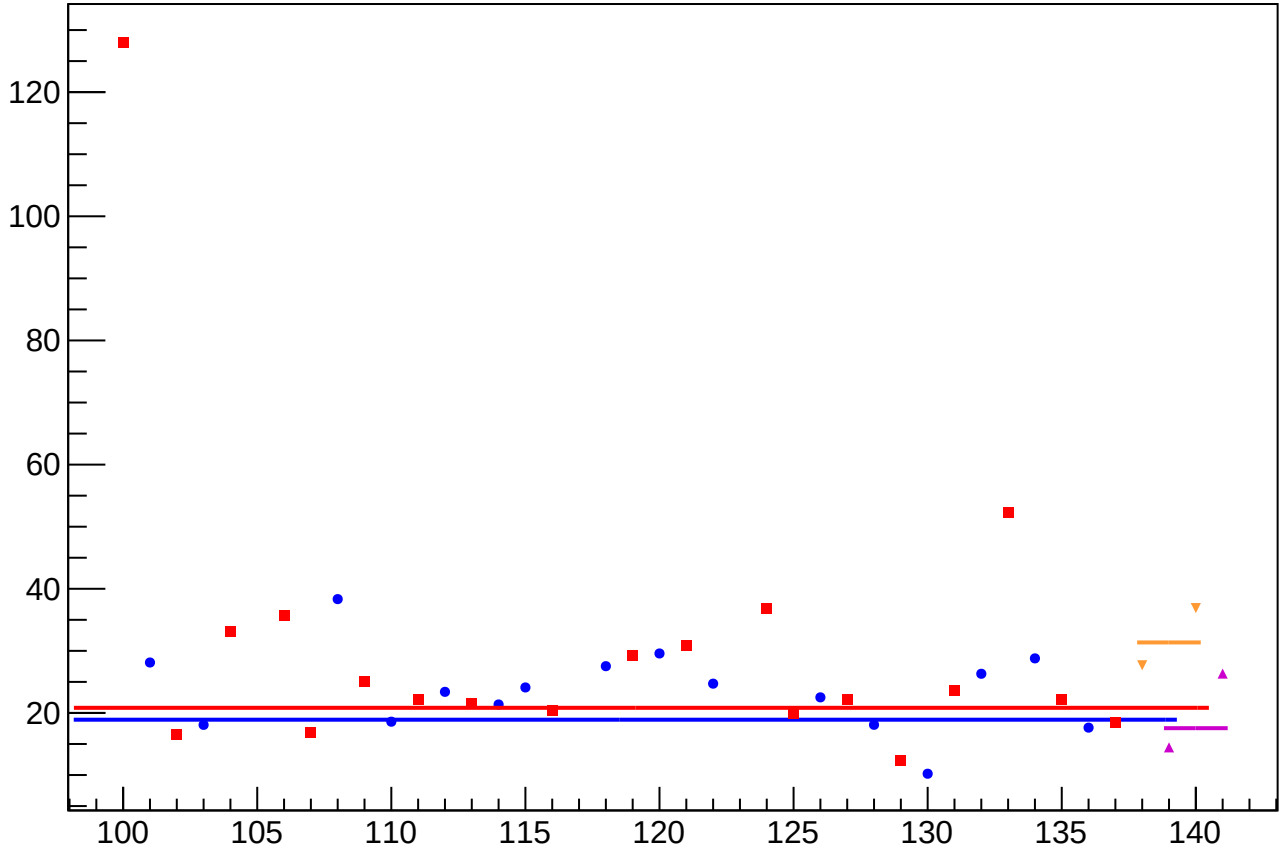
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/17

Out: -0.021+/-0.008 χ^2/NDF:12.5/20

All: -0.008+/-0.005 χ^2/NDF: 41.9/38

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 31.355+/-0.019 χ^2/NDF:56982.9/1

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 17.547+/-0.010 χ^2/NDF:255500.4/1

Left: 20.713+/-0.009 χ^2/NDF: 723512.9/3

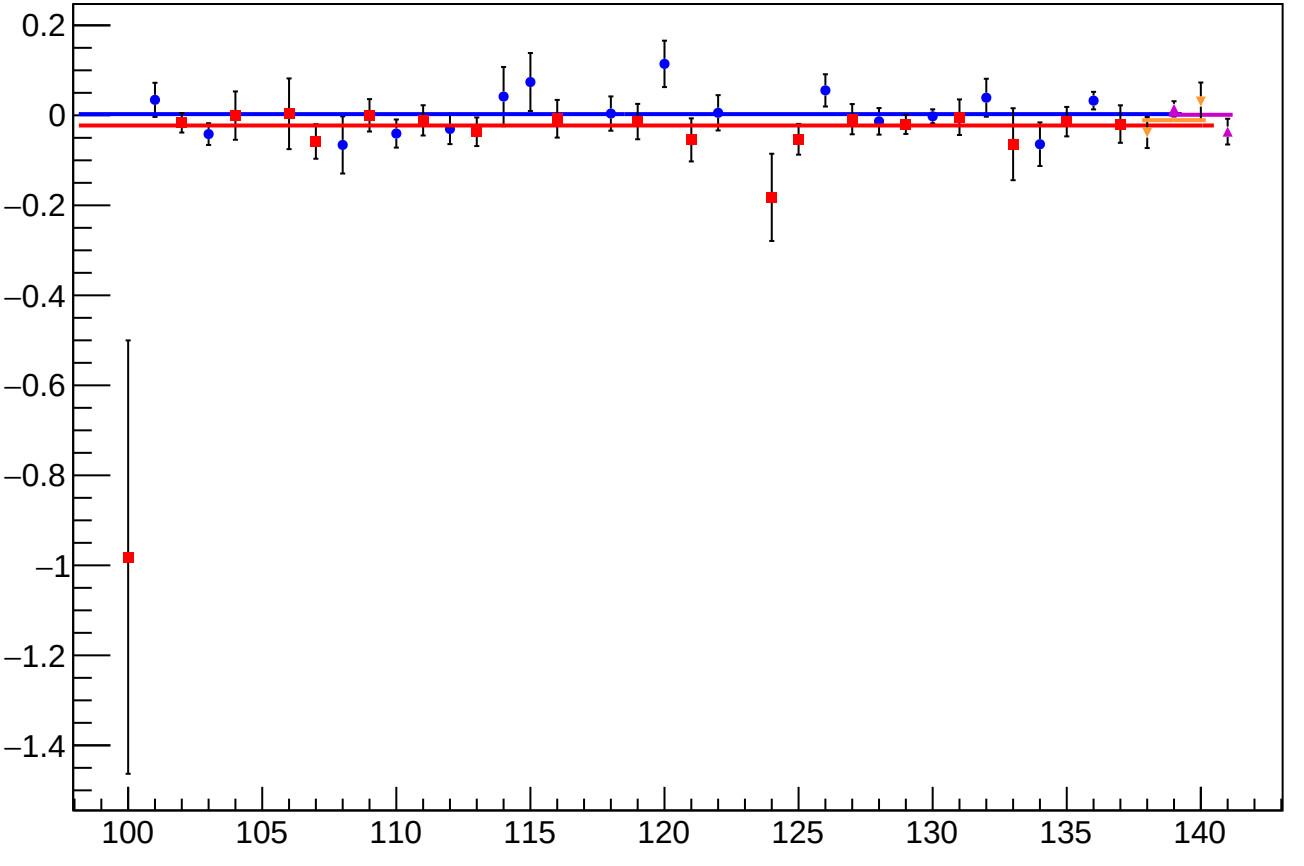
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.608+/-0.005 χ^2/NDF:1659451.4/17

Out: 21.782+/-0.006 χ^2/NDF:1630457.7/20

All: 19.947+/-0.004 χ^2/NDF: 3469460.9/38

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.011+/-0.027 χ^2/NDF:1.6/1

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.001+/-0.015 χ^2/NDF:2.3/1

Left: -0.002+/-0.013 χ^2/NDF: 4.1/3

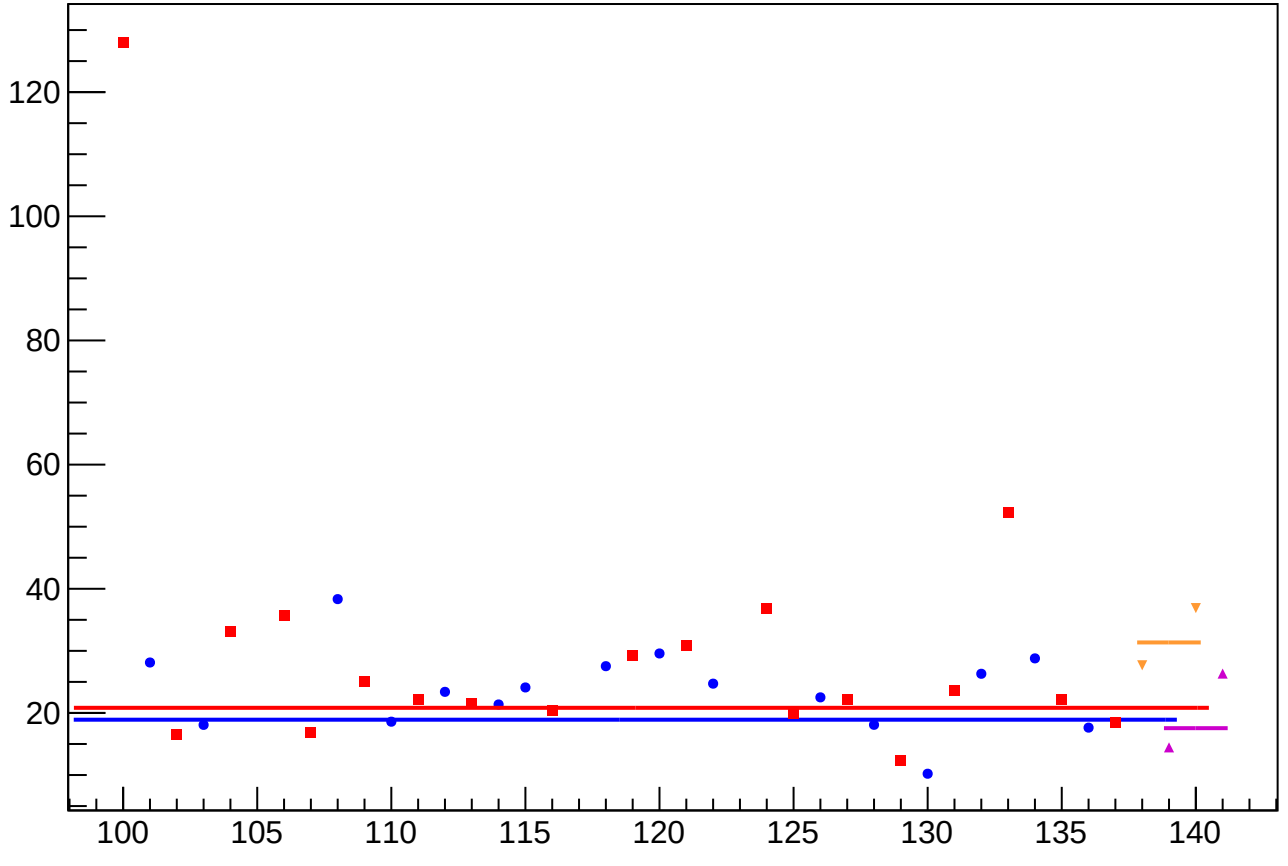
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/17

Out: -0.021+/-0.008 χ^2/NDF:12.5/20

All: -0.008+/-0.005 χ^2/NDF: 41.9/38

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 31.355+/-0.019 χ^2/NDF:56982.9/1

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 17.547+/-0.010 χ^2/NDF:255500.4/1

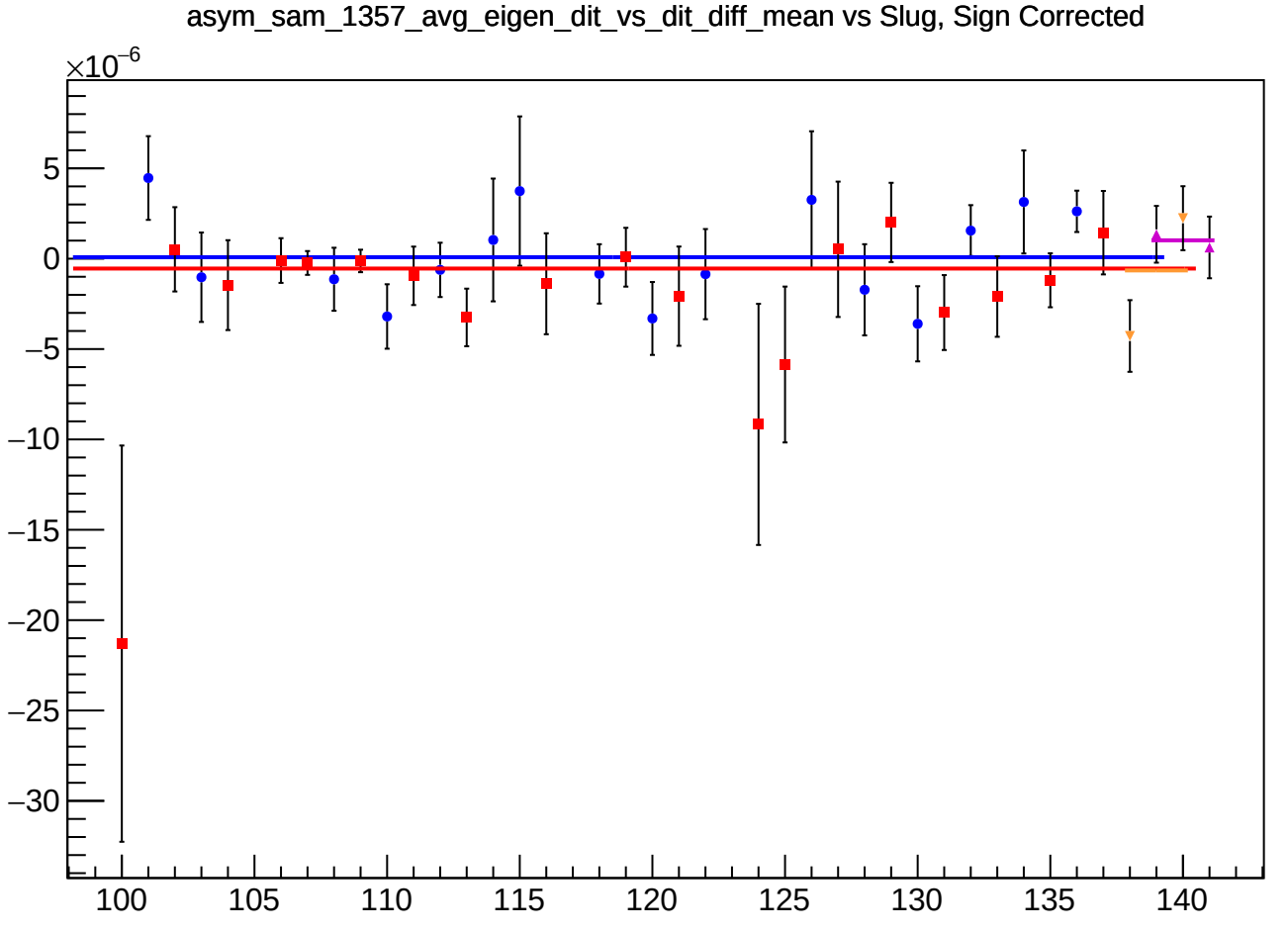
Left: 20.713+/-0.009 χ^2/NDF: 723512.9/3

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.608+/-0.005 χ^2/NDF:1659451.4/17

Out: 21.782+/-0.006 χ^2/NDF:1630457.7/20

All: 19.947+/-0.004 χ^2/NDF: 3469460.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/1

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

Left: 0.000+/-0.000 χ^2/NDF: 7.0/3

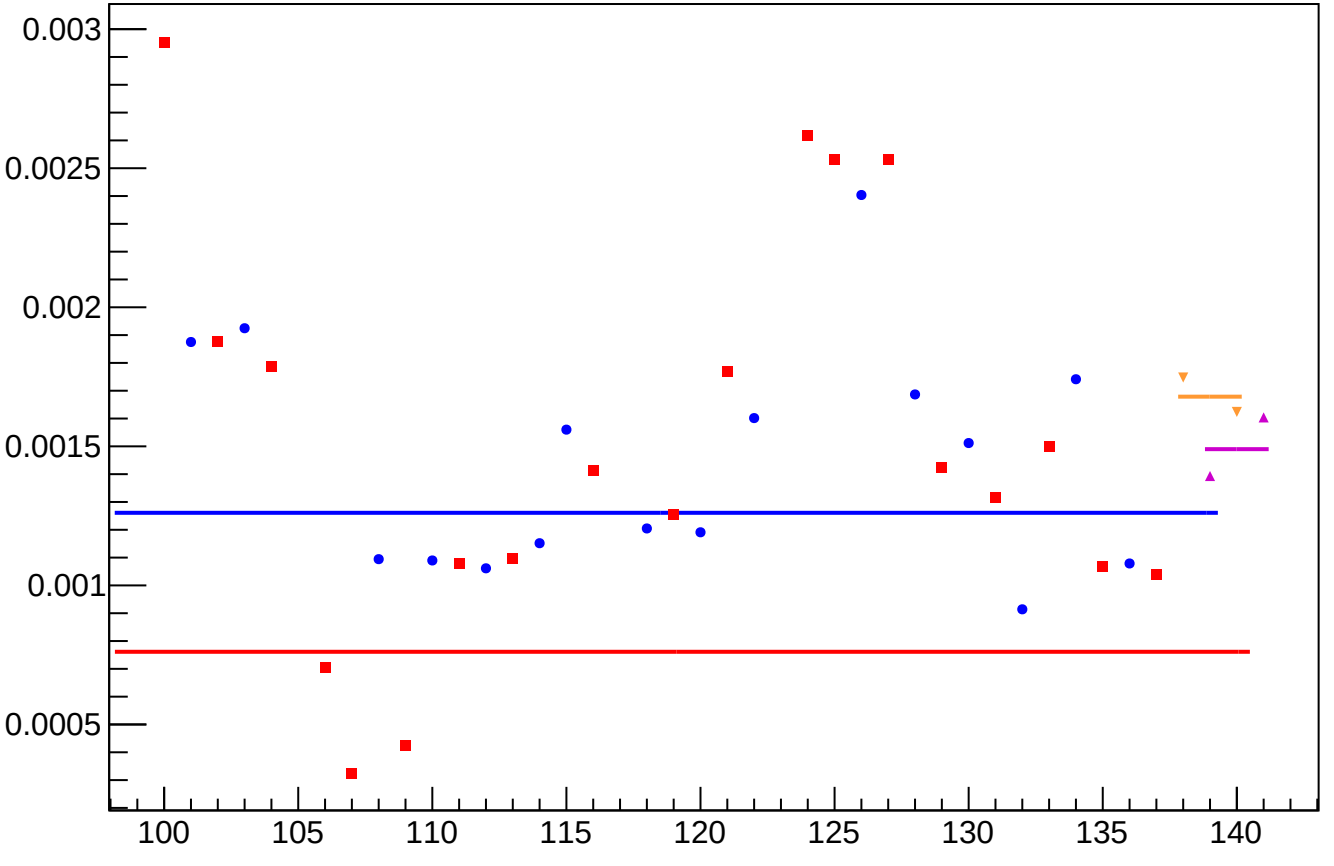
Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:24.2/17

Out: -0.000+/-0.000 χ^2/NDF:21.7/20

All: -0.000+/-0.000 χ^2/NDF: 47.8/38

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:4336.0/1

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:16520.5/1

Left: 0.002+/-0.000 χ^2/NDF: 43999.8/3

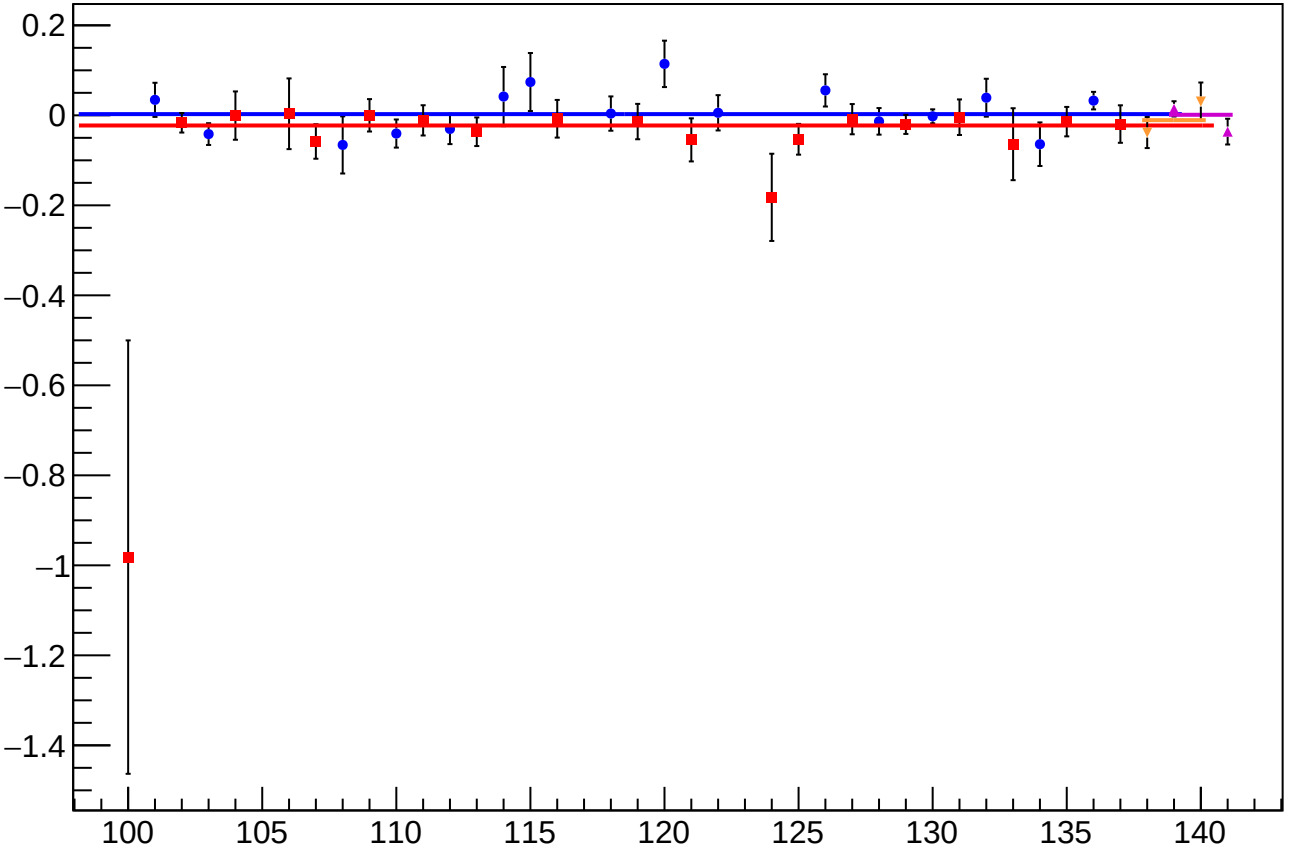
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:990489.6/17

Out: 0.001+/-0.000 χ^2/NDF:5582723.6/20

All: 0.001+/-0.000 χ^2/NDF: 8049950.1/38

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.011+/-0.027 χ^2/NDF:1.6/1

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.001+/-0.015 χ^2/NDF:2.3/1

Left: -0.002+/-0.013 χ^2/NDF: 4.1/3

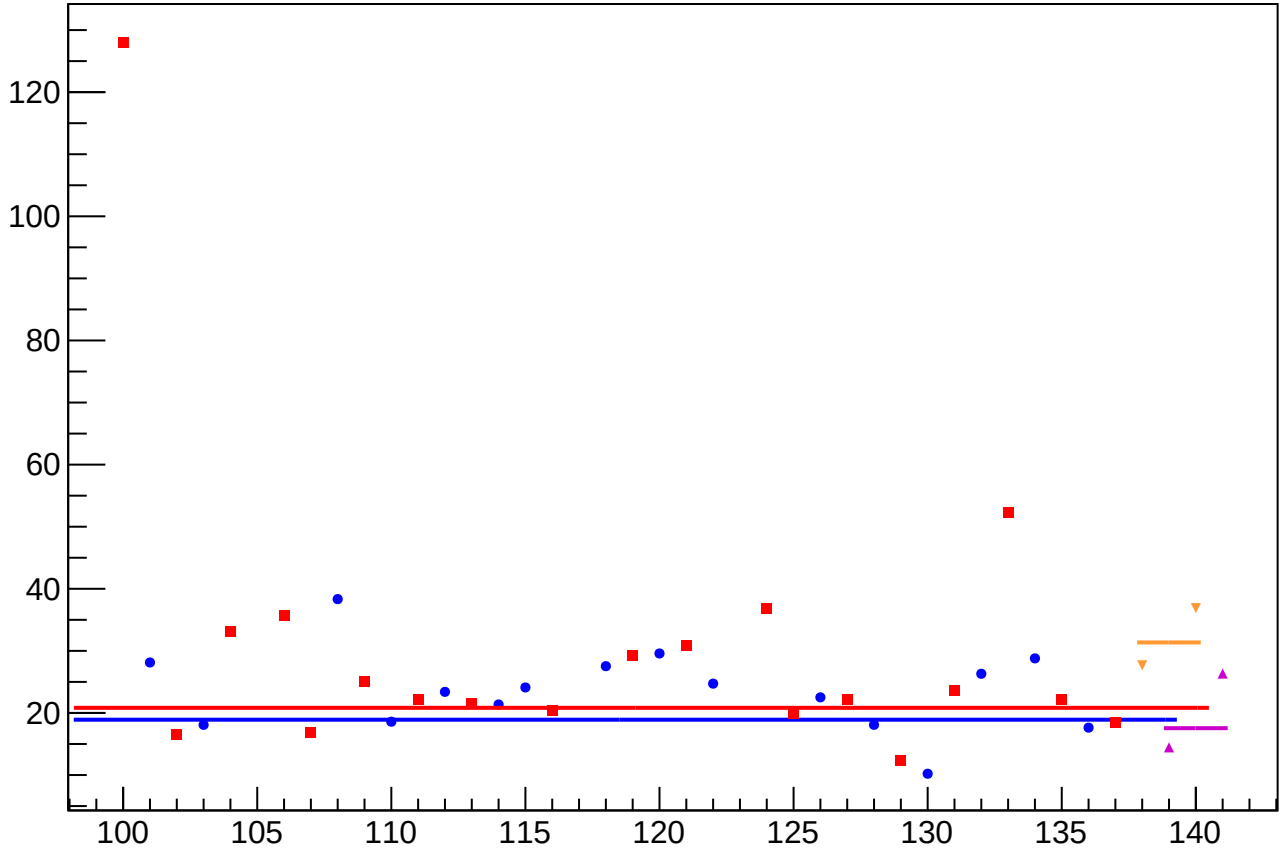
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/17

Out: -0.021+/-0.008 χ^2/NDF:12.5/20

All: -0.008+/-0.005 χ^2/NDF: 41.9/38

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 31.356+/-0.019 χ^2/NDF:56984.2/1

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 17.548+/-0.010 χ^2/NDF:255485.3/1

Left: 20.714+/-0.009 χ^2/NDF: 723471.2/3

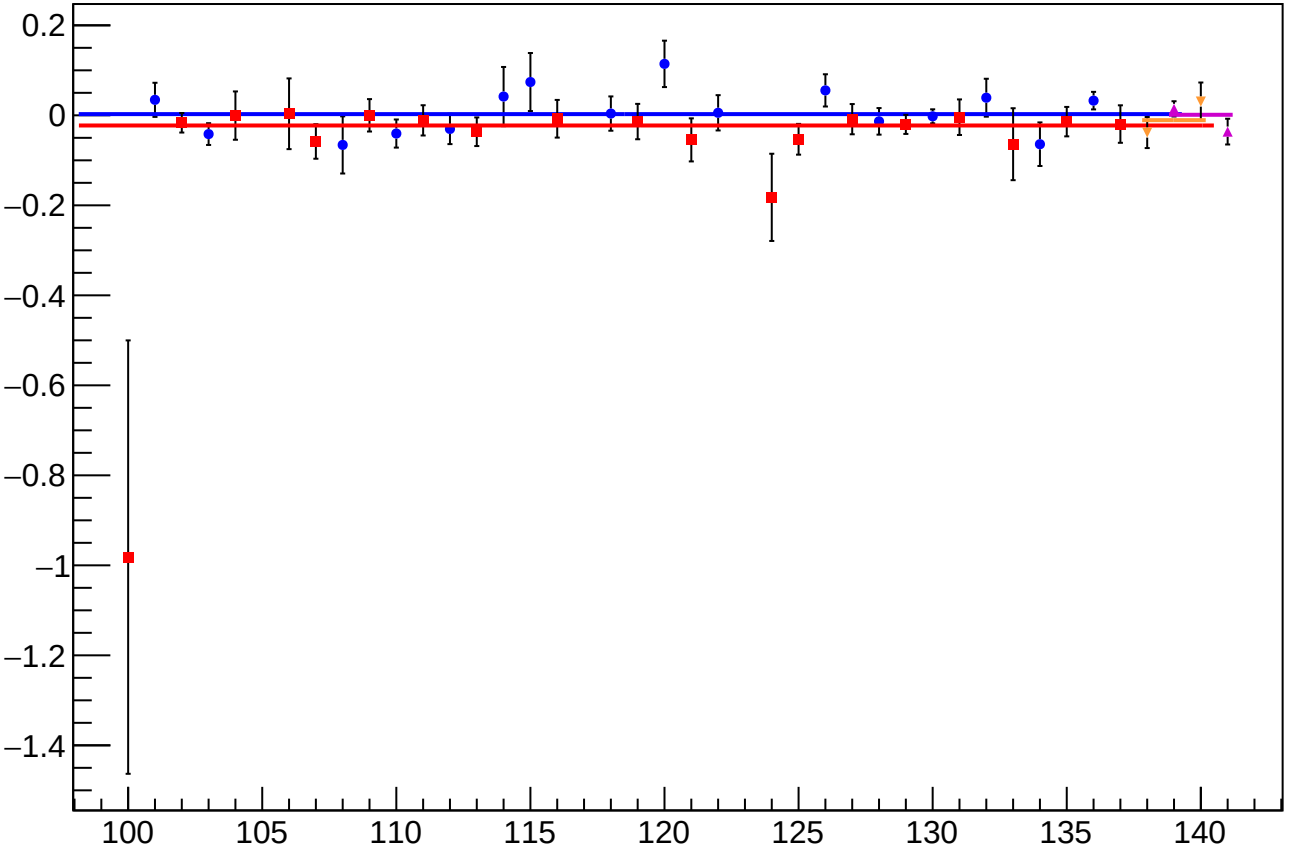
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.608+/-0.005 χ^2/NDF:1659313.3/17

Out: 21.783+/-0.006 χ^2/NDF:1630464.0/20

All: 19.947+/-0.004 χ^2/NDF: 3469295.2/38

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.011+/-0.027 χ^2/NDF:1.6/1

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.001+/-0.015 χ^2/NDF:2.3/1

Left: -0.002+/-0.013 χ^2/NDF: 4.1/3

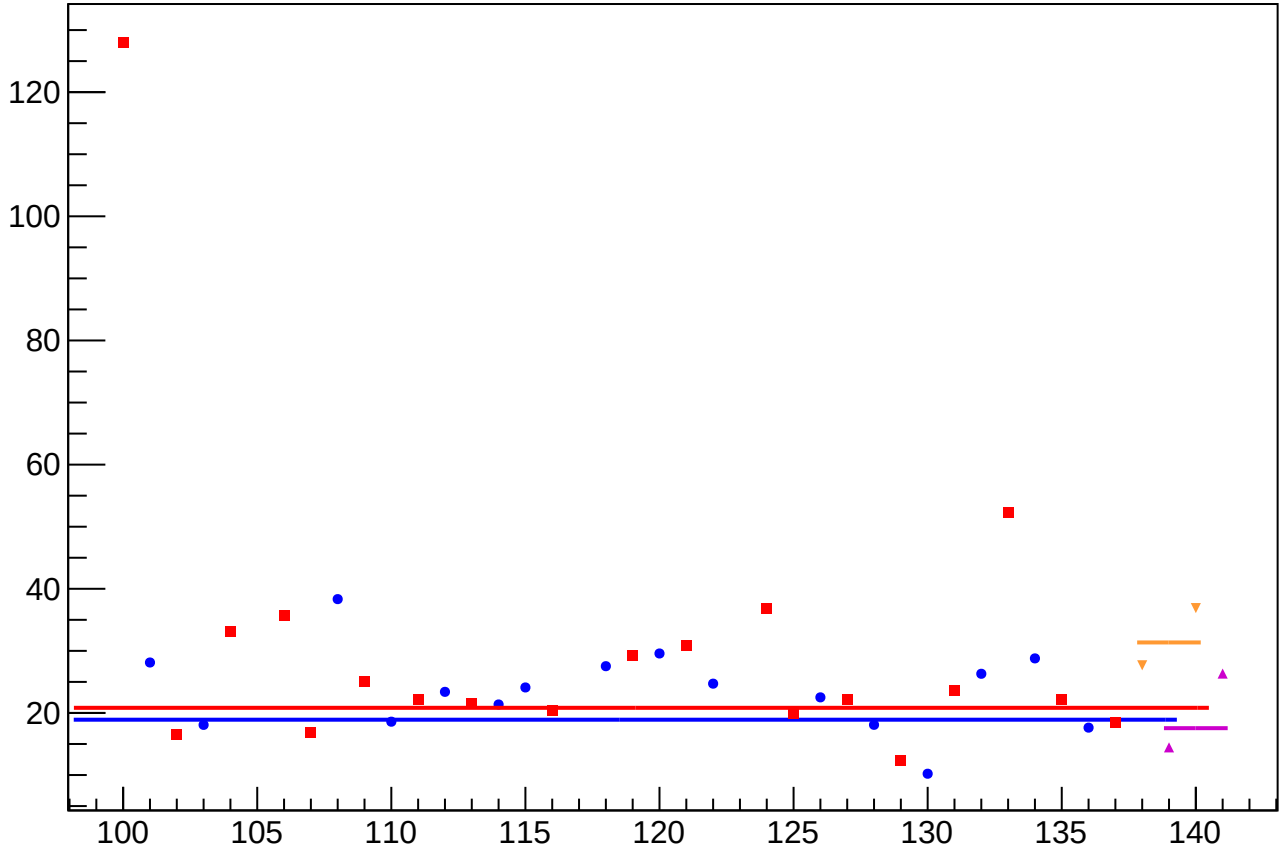
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/17

Out: -0.021+/-0.008 χ^2/NDF:12.5/20

All: -0.008+/-0.005 χ^2/NDF: 41.9/38

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 31.356+/-0.019 χ^2/NDF:56984.2/1

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 17.548+/-0.010 χ^2/NDF:255485.3/1

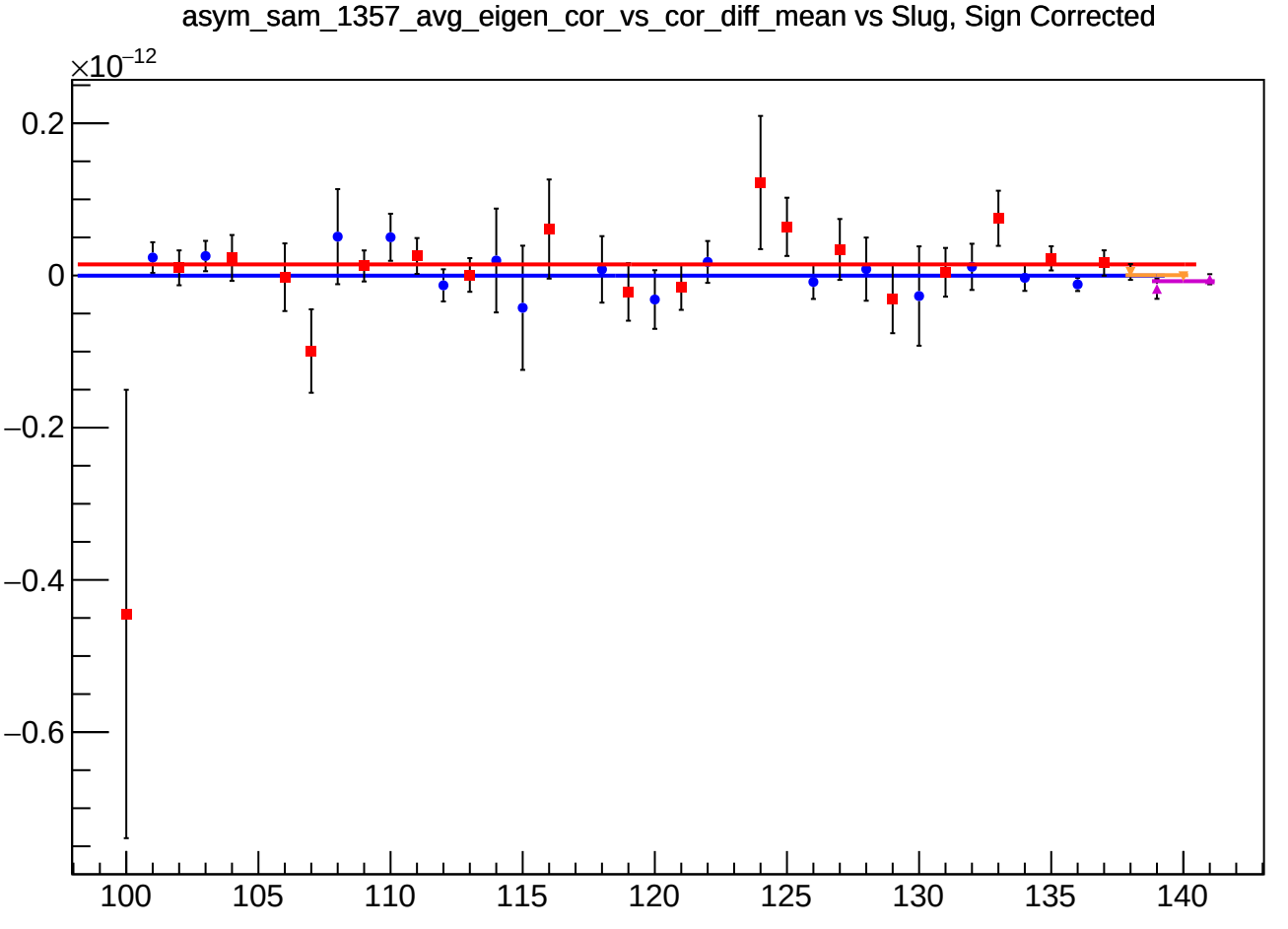
Left: 20.714+/-0.009 χ^2/NDF: 723471.2/3

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.608+/-0.005 χ^2/NDF:1659313.3/17

Out: 21.783+/-0.006 χ^2/NDF:1630464.0/20

All: 19.947+/-0.004 χ^2/NDF: 3469295.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

Left: -0.000+/-0.000 χ^2/NDF: 1.9/3

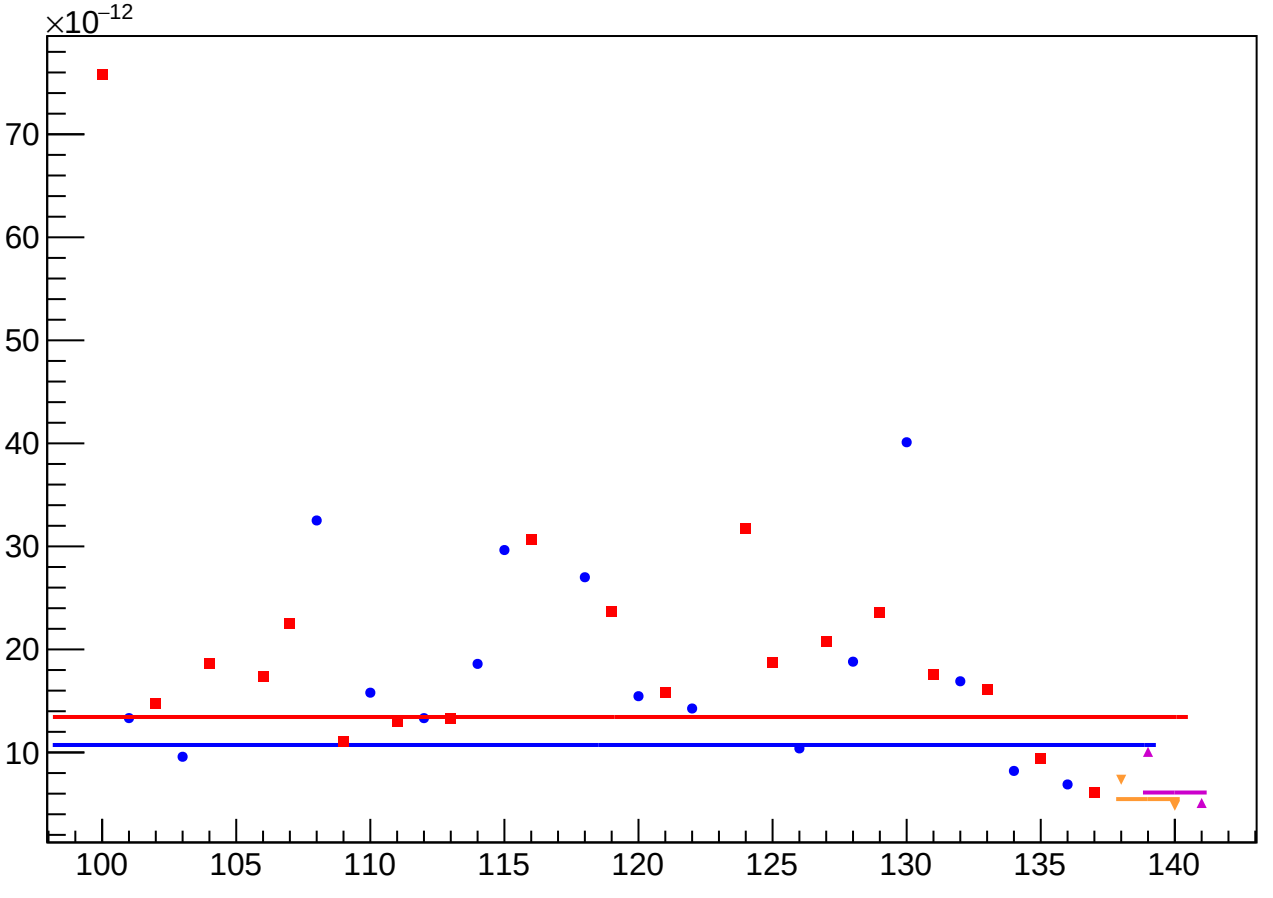
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:12.0/17

Out: 0.000+/-0.000 χ^2/NDF:20.7/20

All: 0.000+/-0.000 χ^2/NDF: 35.5/38

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:87321.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:227418.1/1

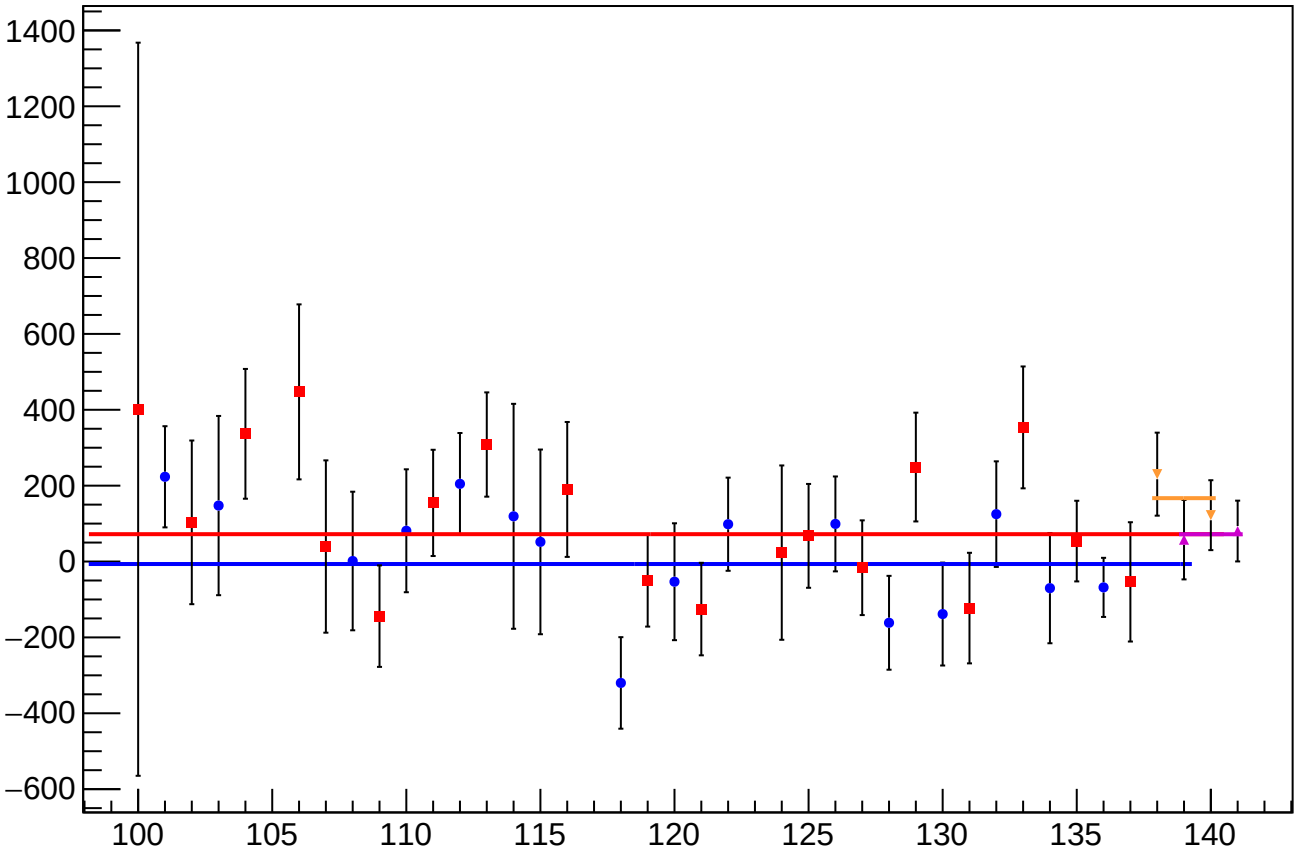
Left: 0.000+/-0.000 χ^2/NDF: 327659.3/3

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:2703083.8/17

Out: 0.000+/-0.000 χ^2/NDF:3291386.8/20

All: 0.000+/-0.000 χ^2/NDF: 5994703.2/38



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 167.044+/-70.477 χ^2/NDF:0.6/1

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 71.940+/-63.609 χ^2/NDF:0.0/1

Left: 114.634+/-47.220 χ^2/NDF: 1.6/3

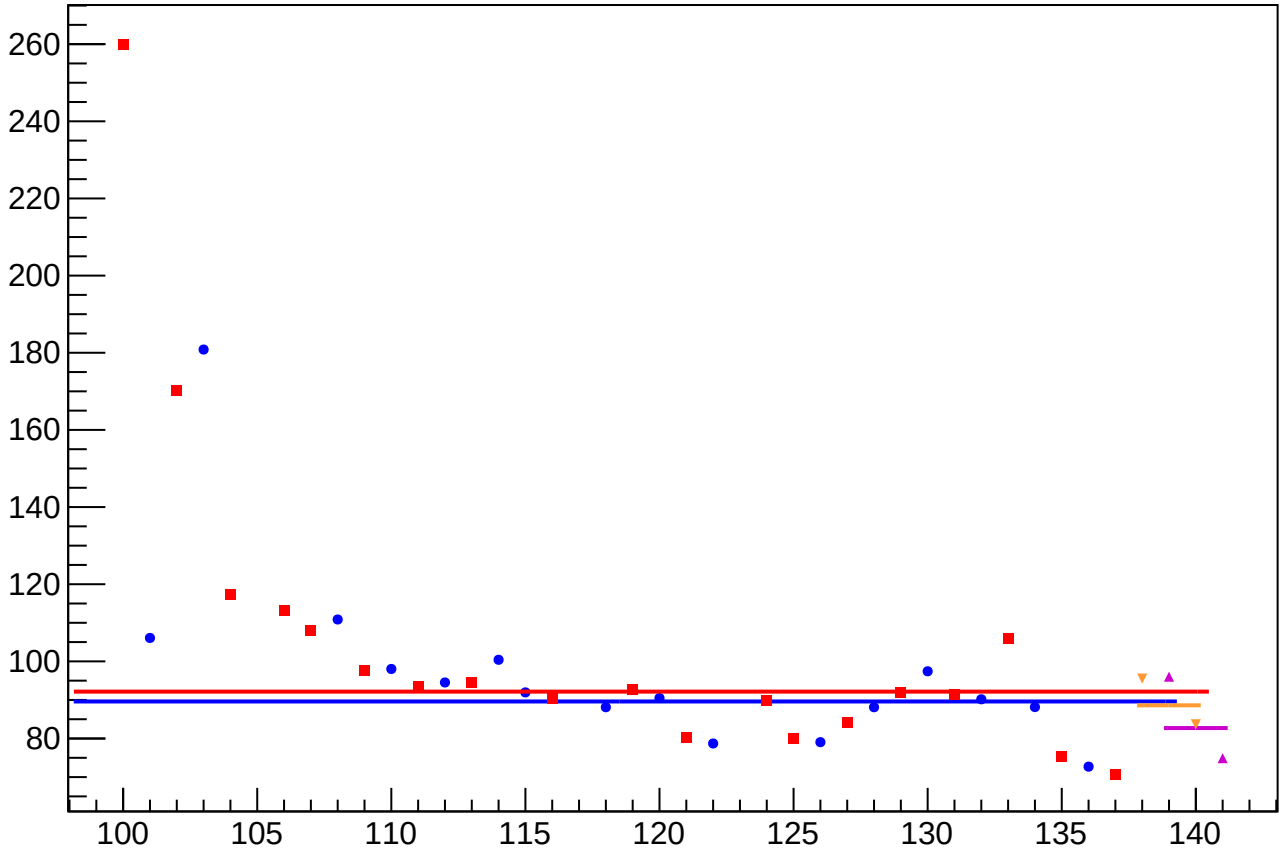
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 11.114+/-30.181 χ^2/NDF:20.1/17

Out: 90.802+/-31.263 χ^2/NDF:24.8/20

All: 49.555+/-21.714 χ^2/NDF: 48.3/38

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 88.604+/-0.050 χ^2/NDF:13704.9/1

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 82.715+/-0.045 χ^2/NDF:51421.8/1

Left: 85.358+/-0.033 χ^2/NDF: 72822.4/3

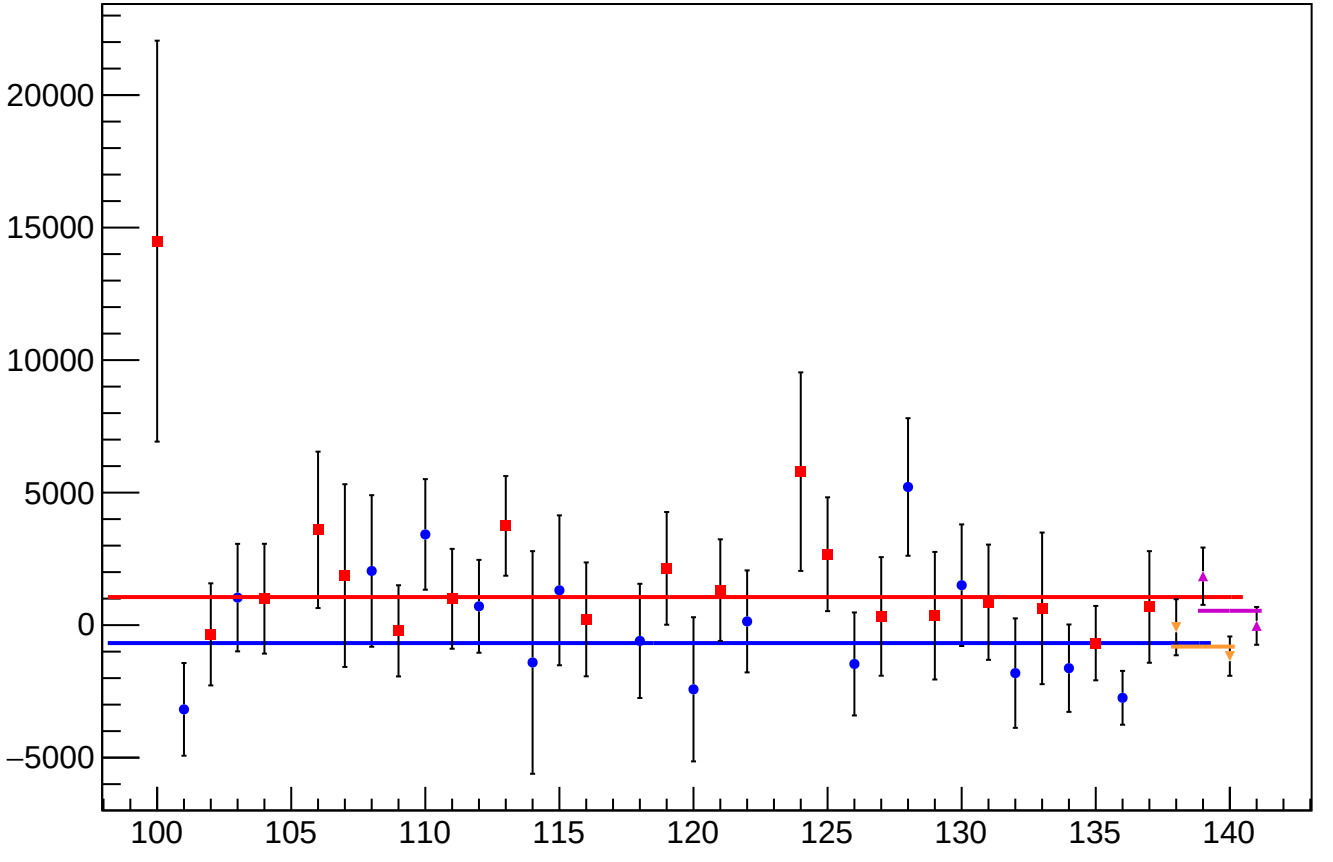
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 88.053+/-0.021 χ^2/NDF:567980.6/17

Out: 91.461+/-0.022 χ^2/NDF:559872.5/20

All: 89.697+/-0.015 χ^2/NDF: 1140157.3/38

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -810.638+/-607.503 χ^2/NDF:0.7/1

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 540.870+/-595.634 χ^2/NDF:2.1/1

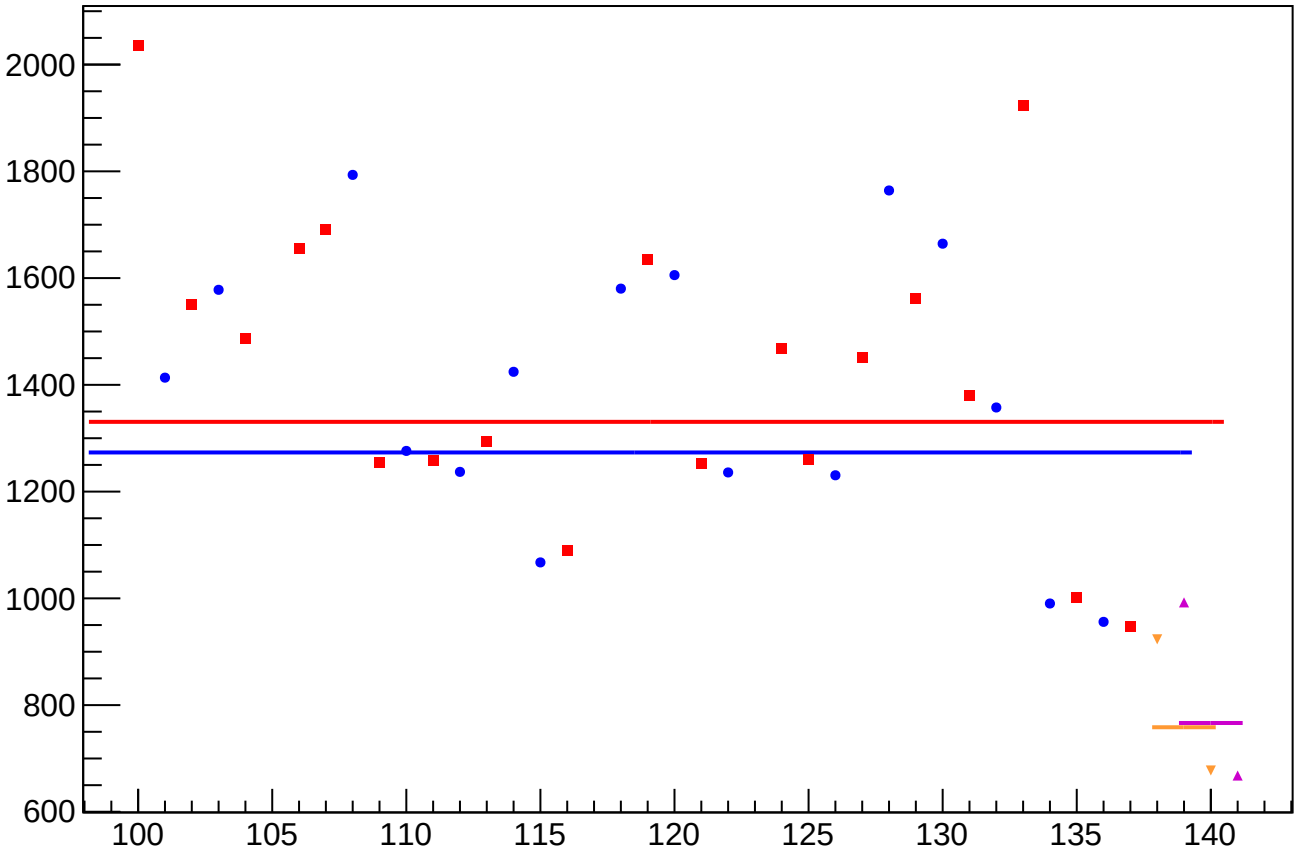
Left: -121.553+/-425.311 χ^2/NDF: 5.3/3

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -189.904+/-376.780 χ^2/NDF:24.9/17

Out: 310.411+/-384.370 χ^2/NDF:17.8/20

All: 55.265+/-269.067 χ^2/NDF: 43.6/38



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 758.506+/-0.430 χ^2/NDF:72308.6/1

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 766.513+/-0.421 χ^2/NDF:125385.0/1

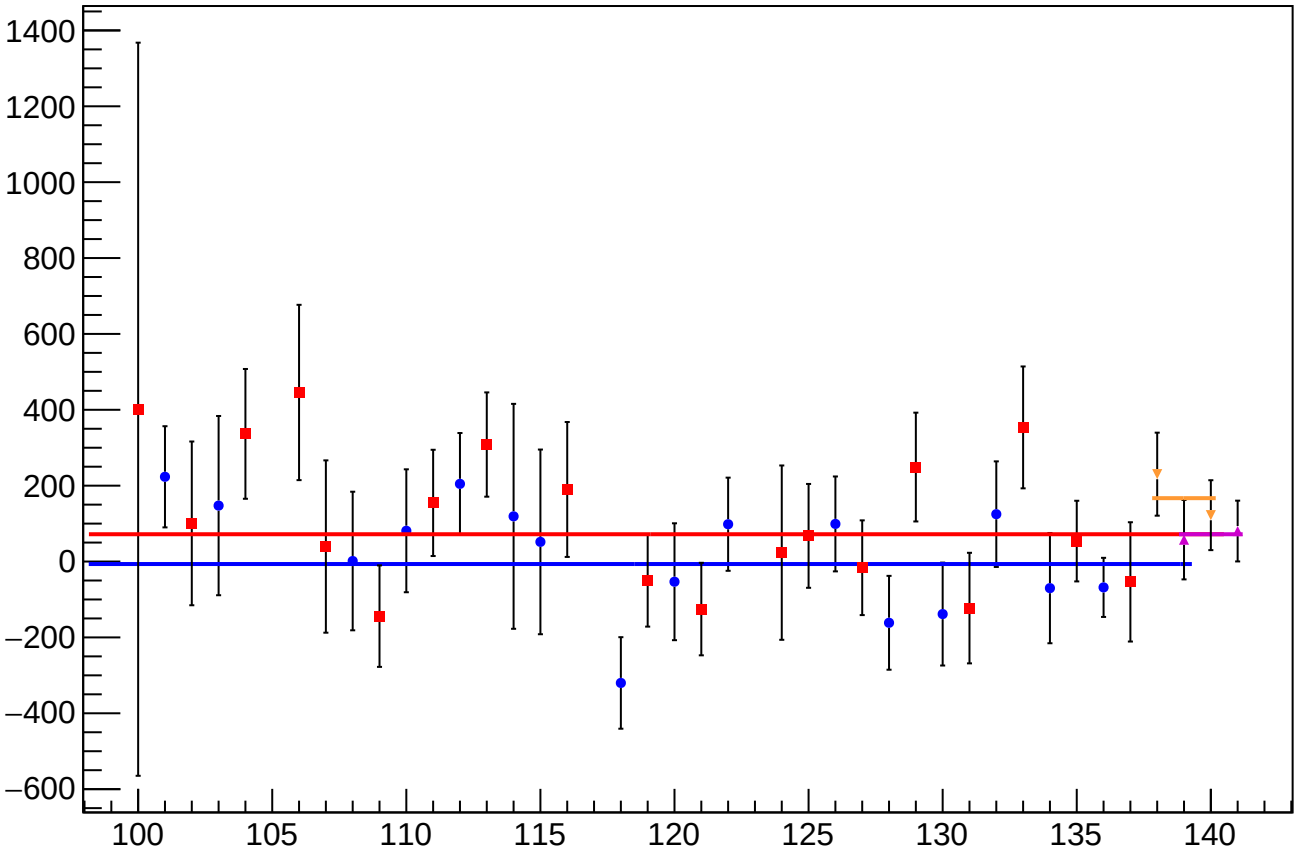
Left: 762.588+/-0.301 χ^2/NDF: 197870.8/3

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 1070.526+/-0.266 χ^2/NDF:1591485.6/17

Out: 1101.632+/-0.272 χ^2/NDF:1606954.0/20

All: 1085.769+/-0.190 χ^2/NDF: 3205119.0/38



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 167.059+/-70.477 χ^2/NDF:0.6/1

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 71.951+/-63.609 χ^2/NDF:0.0/1

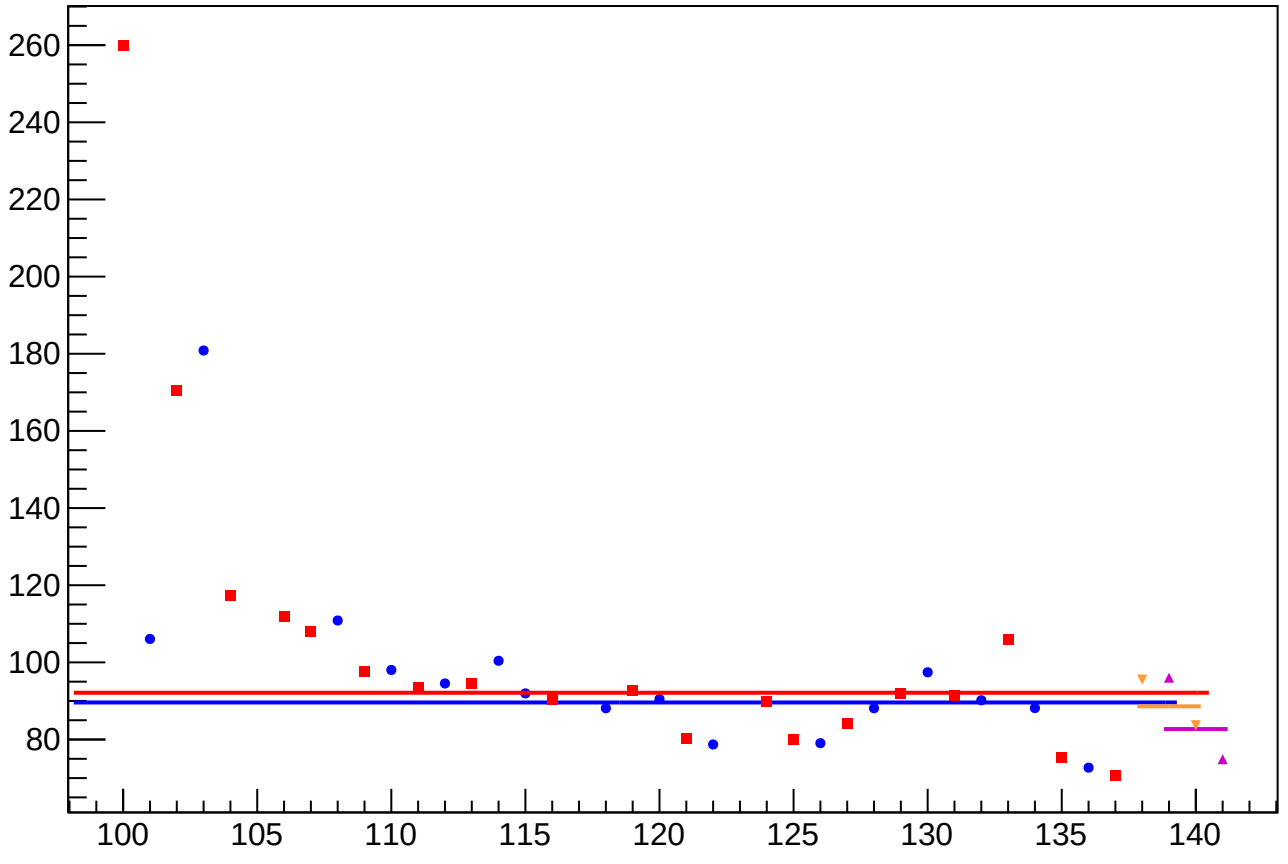
Left: 114.646+/-47.220 χ^2/NDF: 1.6/3

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 11.109+/-30.181 χ^2/NDF:20.1/17

Out: 90.692+/-31.265 χ^2/NDF:24.8/20

All: 49.497+/-21.714 χ^2/NDF: 48.3/38



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 88.604+/-0.050 χ^2/NDF:13704.9/1

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 82.715+/-0.045 χ^2/NDF:51421.8/1

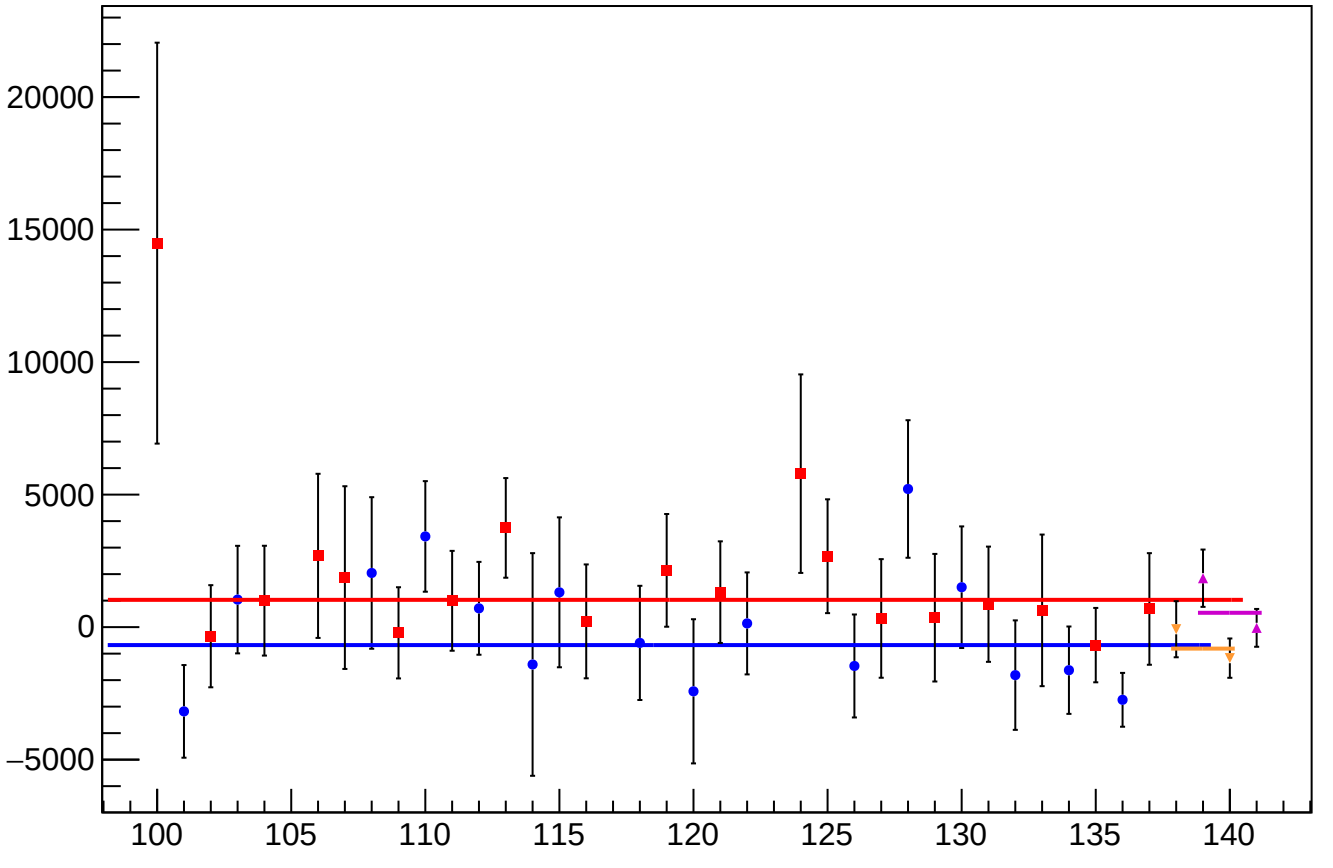
Left: 85.358+/-0.033 χ^2/NDF: 72822.4/3

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 88.053+/-0.021 χ^2/NDF:567984.2/17

Out: 91.436+/-0.022 χ^2/NDF:558033.9/20

All: 89.684+/-0.015 χ^2/NDF: 1138137.6/38



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -810.620+/-607.502 χ^2/NDF:0.7/1

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 540.885+/-595.635 χ^2/NDF:2.1/1

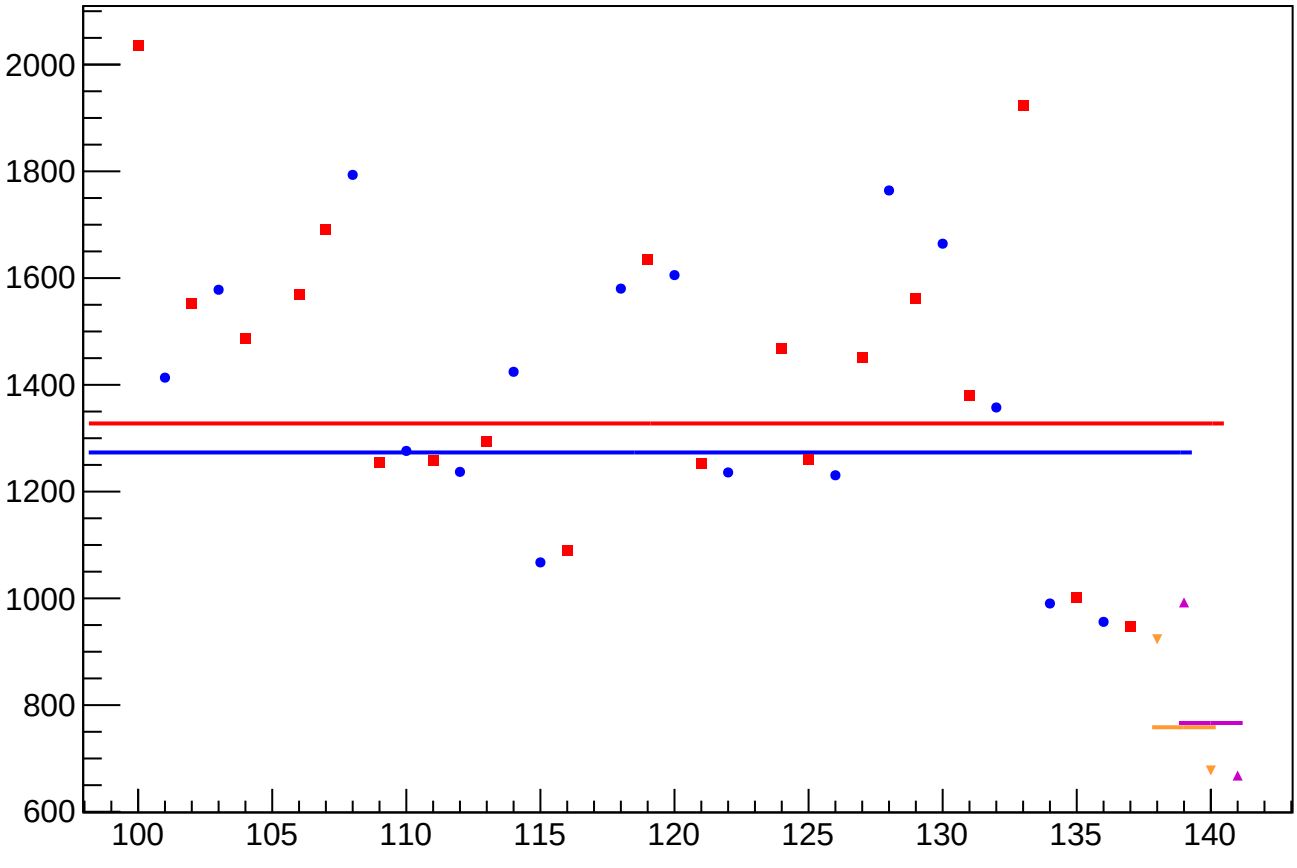
Left: -121.538+/-425.311 χ^2/NDF: 5.3/3

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -189.875+/-376.781 χ^2/NDF:24.9/17

Out: 291.620+/-384.679 χ^2/NDF:17.2/20

All: 45.879+/-269.174 χ^2/NDF: 42.9/38



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 758.505+/-0.430 χ^2/NDF:72308.6/1

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 766.514+/-0.421 χ^2/NDF:125383.7/1

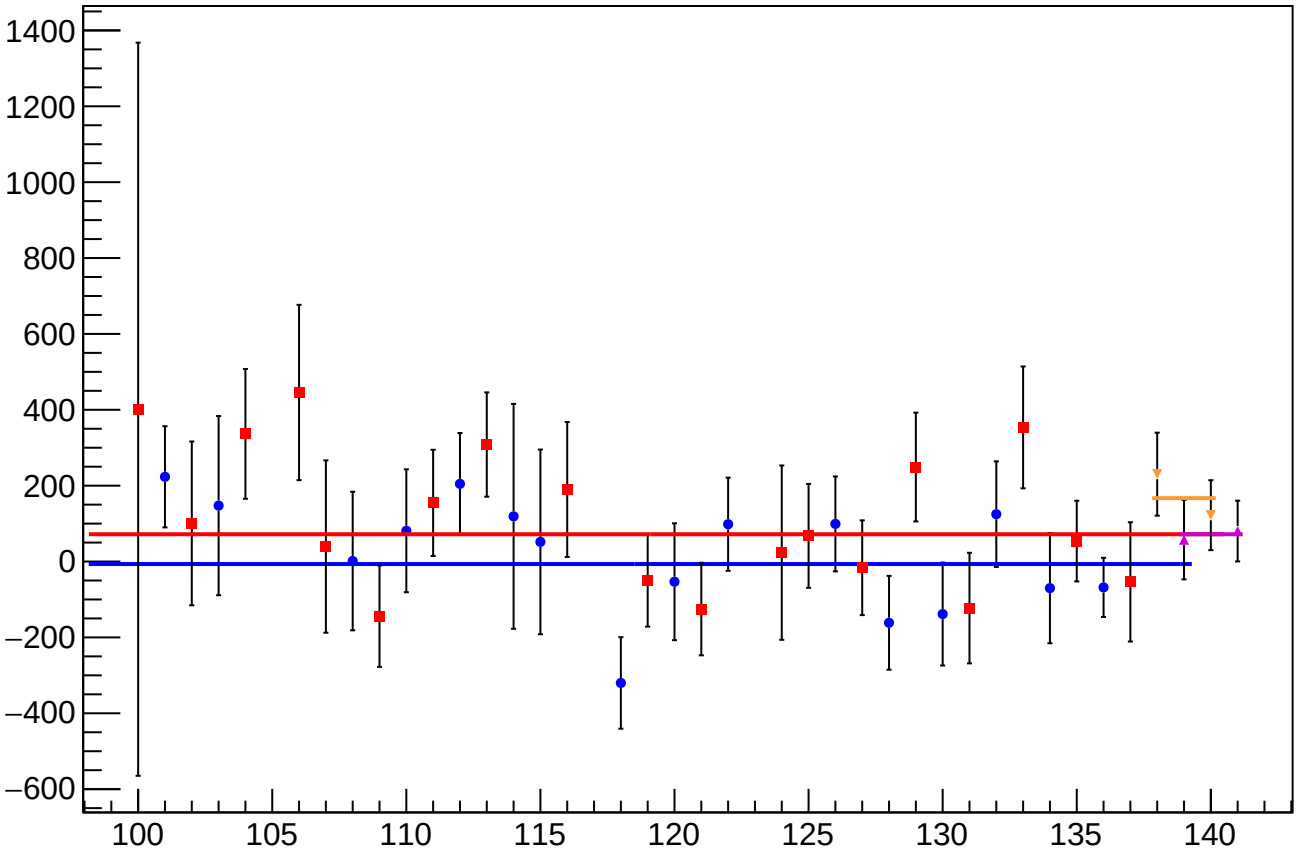
Left: 762.588+/-0.301 χ^2/NDF: 197869.6/3

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 1070.528+/-0.266 χ^2/NDF:1591517.2/17

Out: 1099.451+/-0.272 χ^2/NDF:1582391.6/20

All: 1084.689+/-0.190 χ^2/NDF: 3179679.3/38



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 167.059+/-70.477 χ^2/NDF:0.6/1

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 71.951+/-63.609 χ^2/NDF:0.0/1

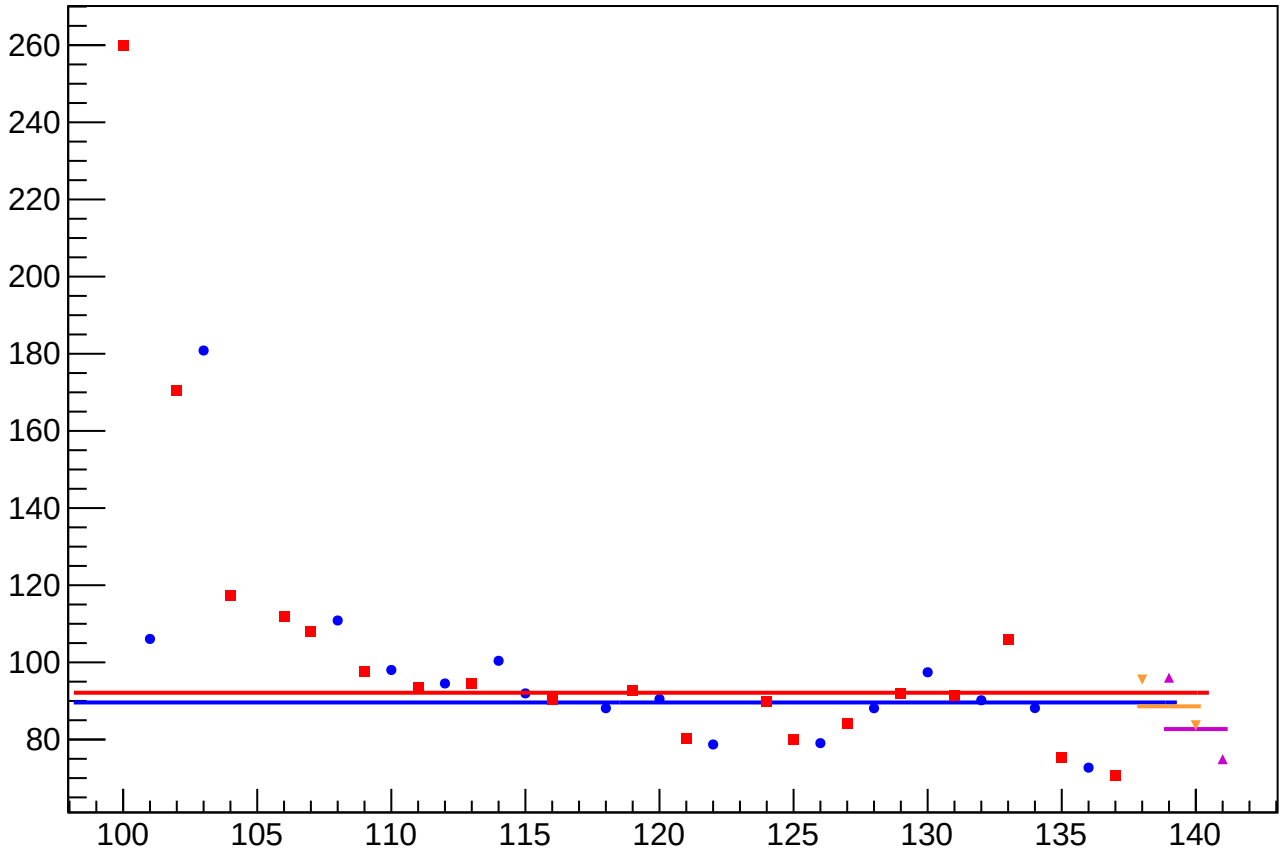
Left: 114.646+/-47.220 χ^2/NDF: 1.6/3

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 11.109+/-30.181 χ^2/NDF:20.1/17

Out: 90.692+/-31.265 χ^2/NDF:24.8/20

All: 49.497+/-21.714 χ^2/NDF: 48.3/38



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 88.604+/-0.050 χ^2/NDF:13704.9/1

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 82.715+/-0.045 χ^2/NDF:51421.8/1

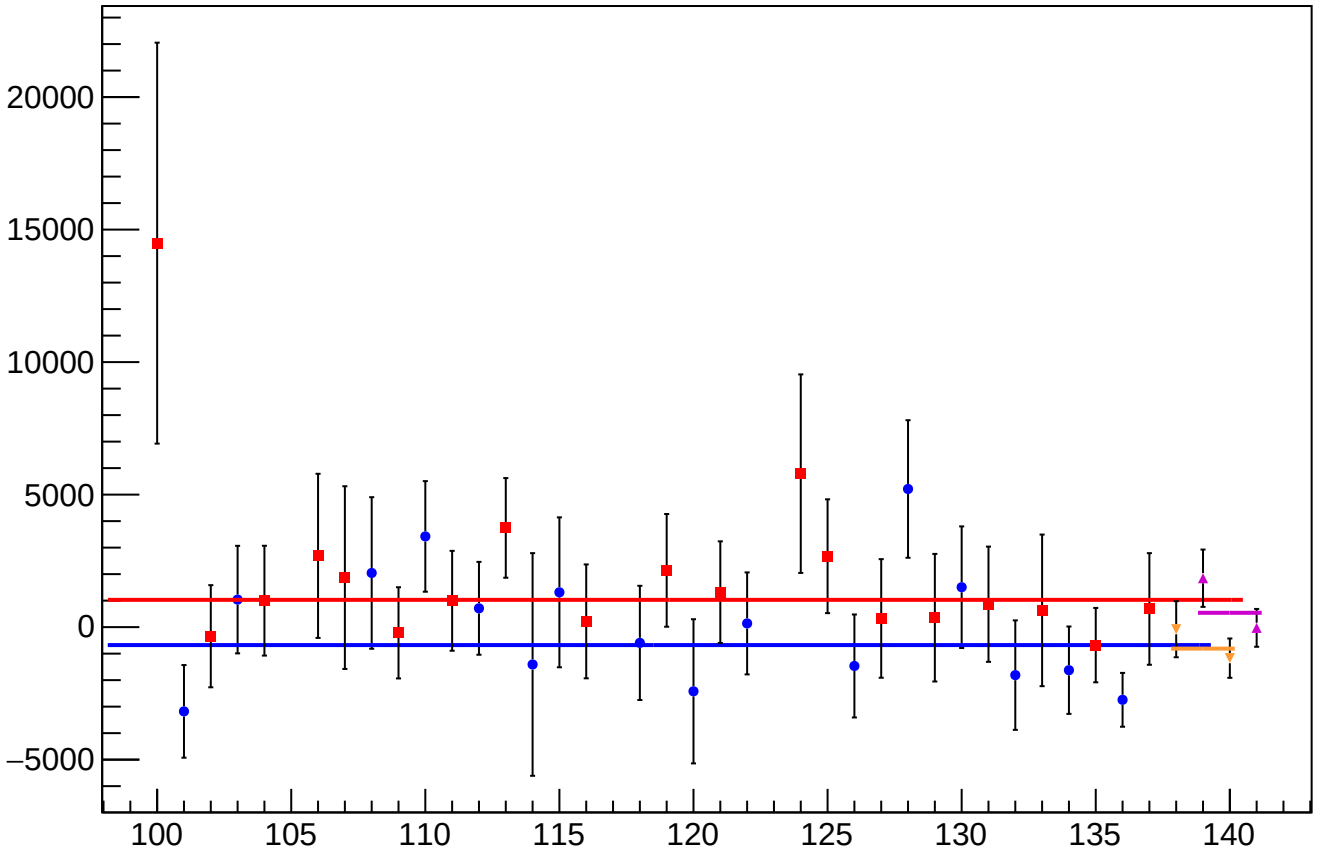
Left: 85.358+/-0.033 χ^2/NDF: 72822.4/3

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 88.053+/-0.021 χ^2/NDF:567984.2/17

Out: 91.436+/-0.022 χ^2/NDF:558033.9/20

All: 89.684+/-0.015 χ^2/NDF: 1138137.6/38



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -810.620+/-607.502 χ^2/NDF:0.7/1

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 540.885+/-595.635 χ^2/NDF:2.1/1

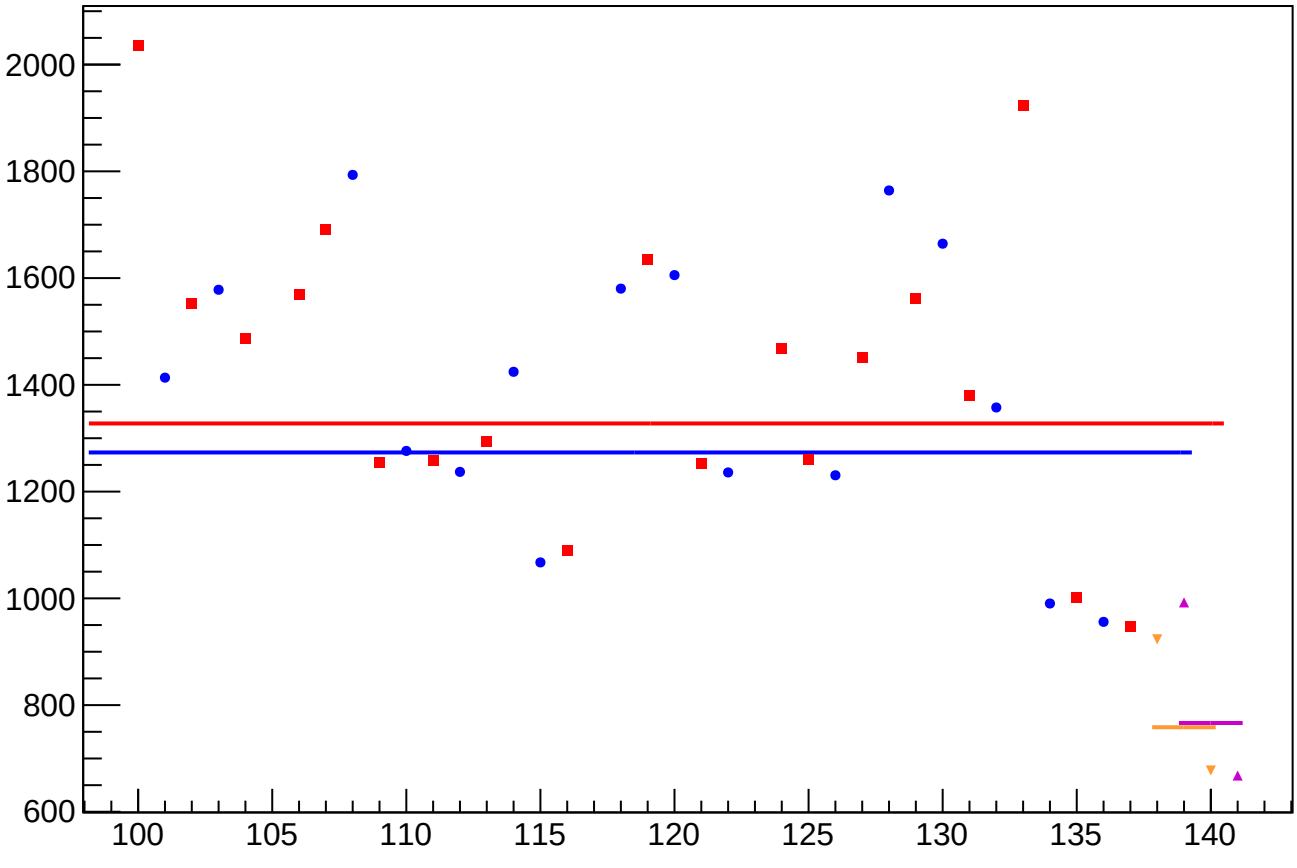
Left: -121.538+/-425.311 χ^2/NDF: 5.3/3

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -189.875+/-376.781 χ^2/NDF:24.9/17

Out: 291.620+/-384.679 χ^2/NDF:17.2/20

All: 45.879+/-269.174 χ^2/NDF: 42.9/38



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 758.505+/-0.430 χ^2/NDF:72308.6/1

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 766.514+/-0.421 χ^2/NDF:125383.7/1

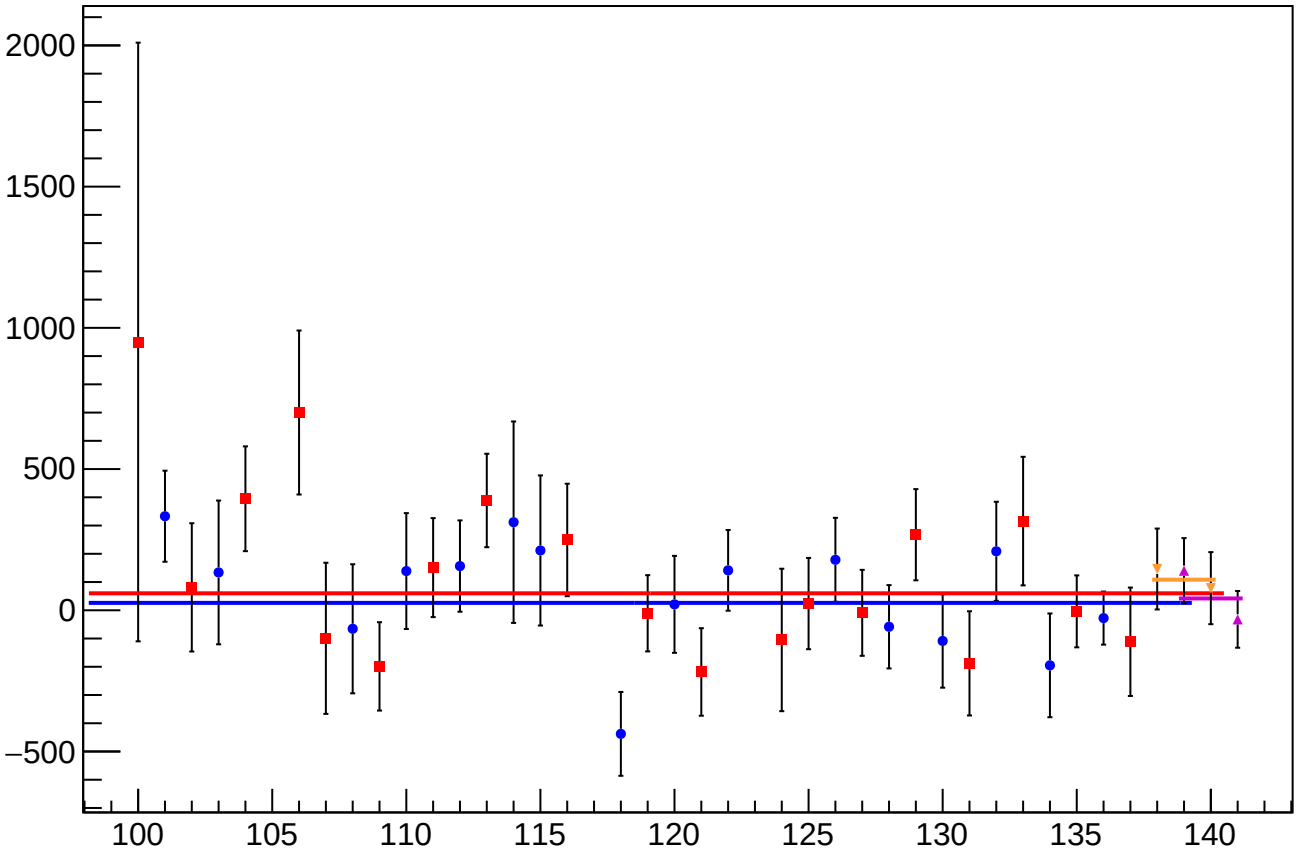
Left: 762.588+/-0.301 χ^2/NDF: 197869.6/3

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 1070.528+/-0.266 χ^2/NDF:1591517.2/17

Out: 1099.451+/-0.272 χ^2/NDF:1582391.6/20

All: 1084.689+/-0.190 χ^2/NDF: 3179679.3/38



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 108.338+/-95.259 χ^2/NDF:0.1/1

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 41.928+/-75.806 χ^2/NDF:1.3/1

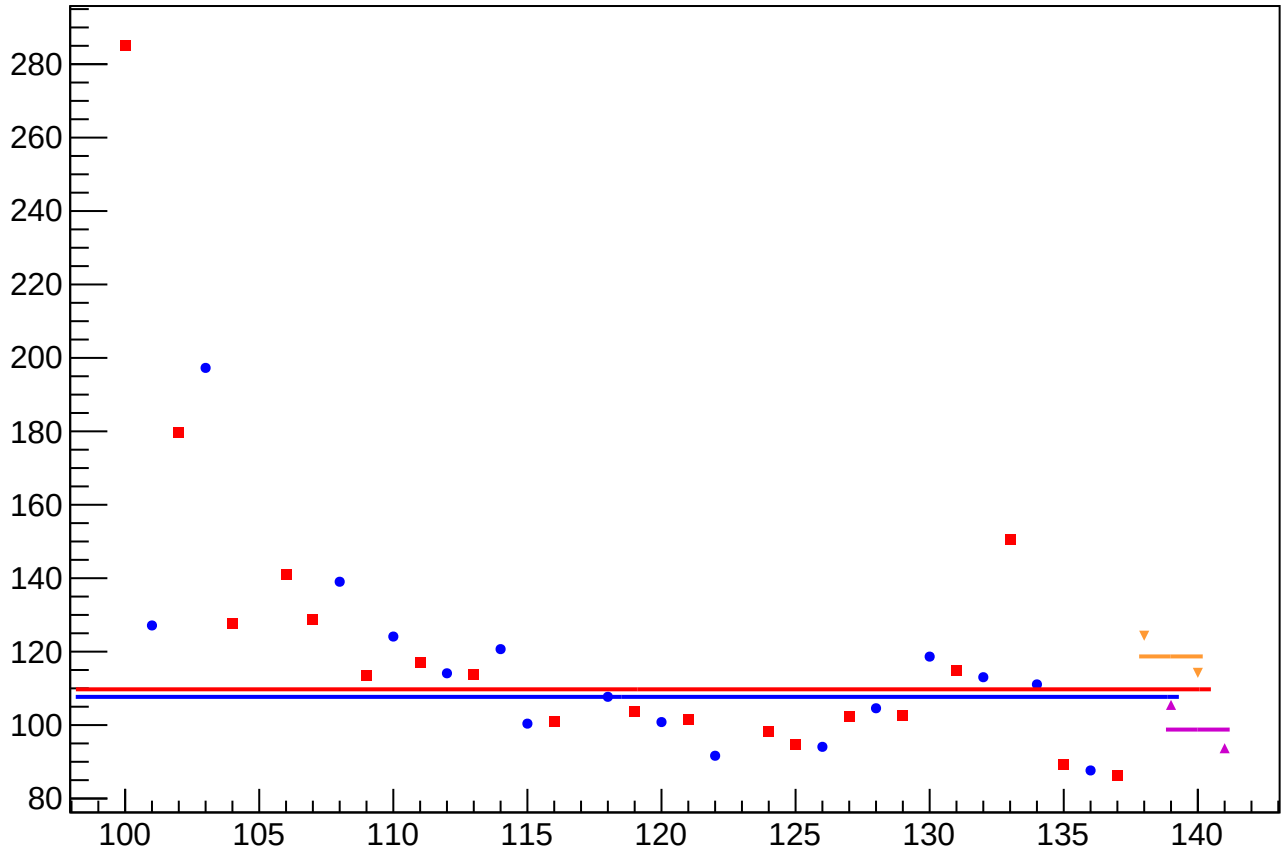
Left: 67.677+/-59.316 χ^2/NDF: 1.7/3

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 29.828+/-36.212 χ^2/NDF:22.7/17

Out: 67.820+/-38.068 χ^2/NDF:27.3/20

All: 47.876+/-26.237 χ^2/NDF: 50.5/38



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 118.695+/-0.067 χ^2/NDF:5555.8/1

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 98.774+/-0.054 χ^2/NDF:11892.7/1

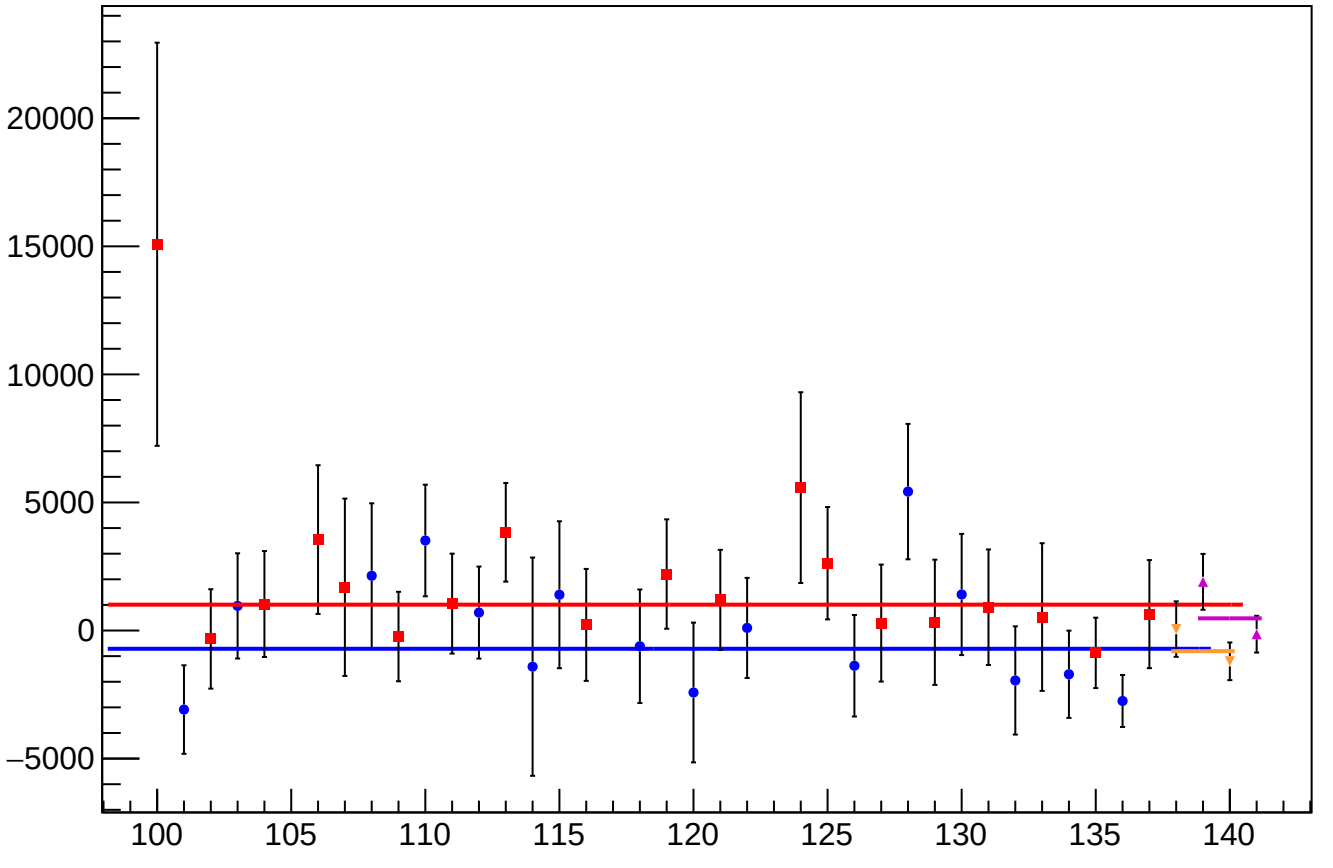
Left: 106.498+/-0.042 χ^2/NDF: 70999.7/3

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 105.648+/-0.026 χ^2/NDF:516320.8/17

Out: 111.170+/-0.027 χ^2/NDF:512197.7/20

All: 108.271+/-0.019 χ^2/NDF: 1050610.5/38



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -804.403+/-608.488 χ^2/NDF:0.9/1

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 475.378+/-599.173 χ^2/NDF:2.5/1

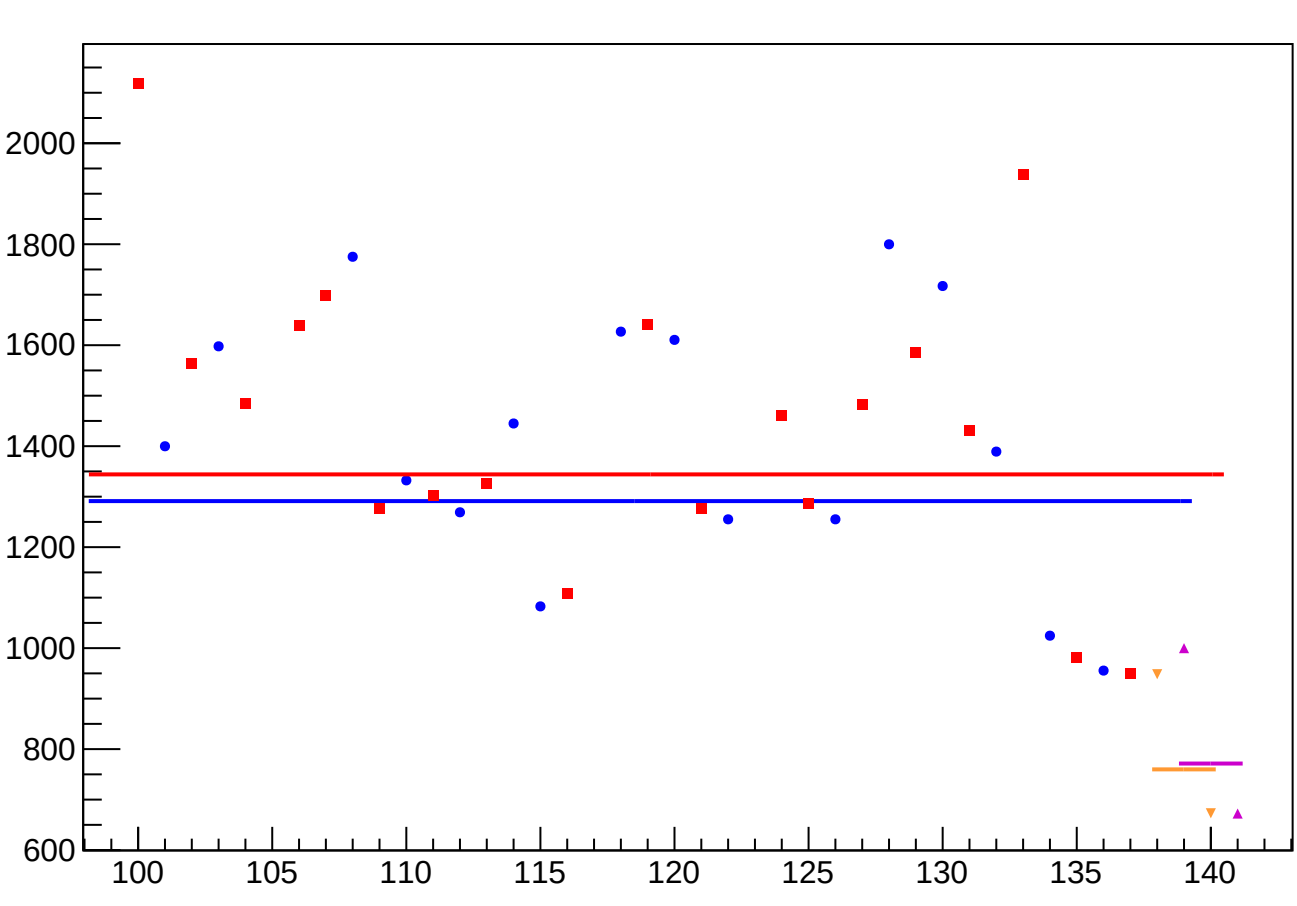
Left: -154.642+/-426.935 χ^2/NDF: 5.6/3

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -232.894+/-380.814 χ^2/NDF:24.9/17

Out: 276.625+/-386.943 χ^2/NDF:18.0/20

All: 17.798+/-271.417 χ^2/NDF: 43.8/38



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 759.857+/-0.430 χ^2/NDF:88513.3/1

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 771.426+/-0.424 χ^2/NDF:126079.4/1

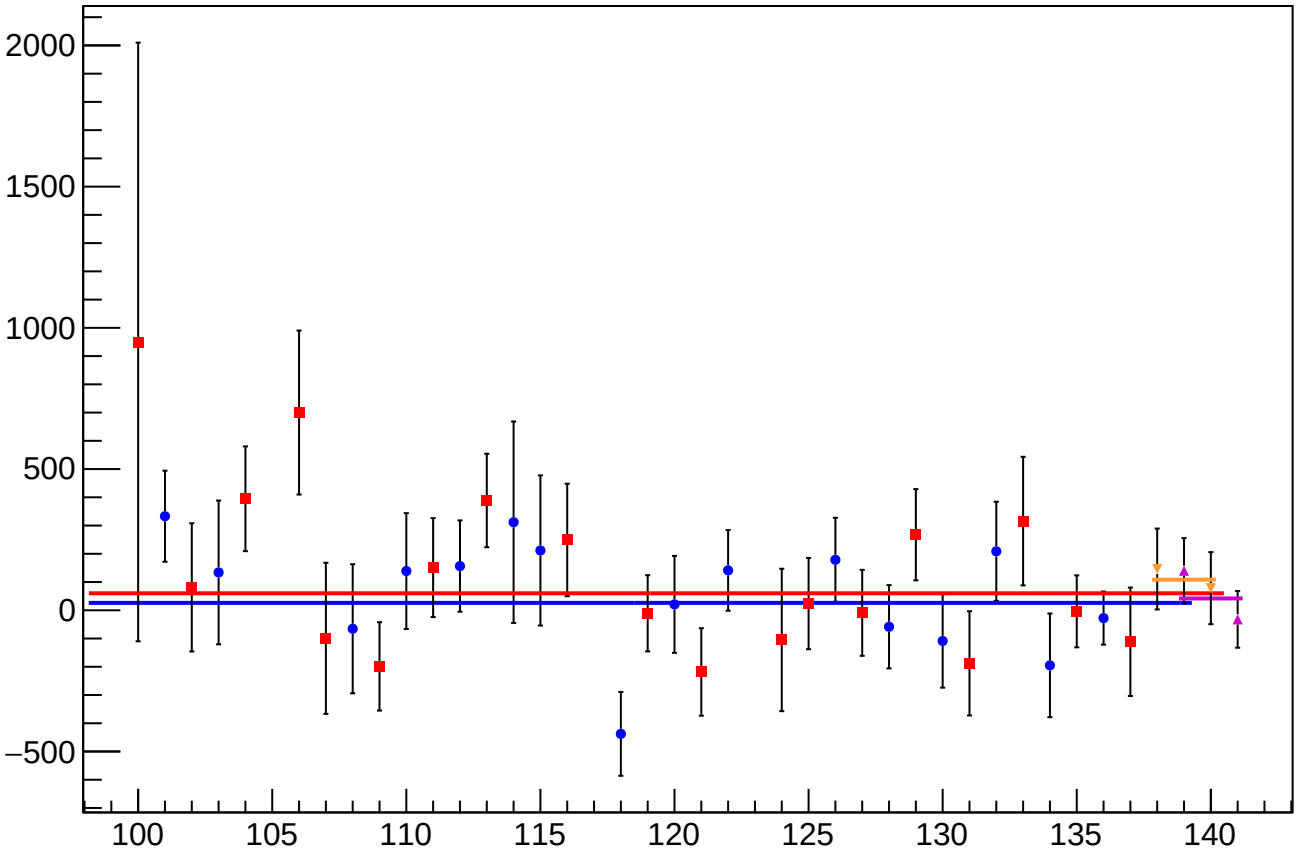
Left: 765.731+/-0.302 χ^2/NDF: 214959.8/3

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 1081.254+/-0.269 χ^2/NDF:1634156.7/17

Out: 1107.855+/-0.274 χ^2/NDF:1677747.0/20

All: 1094.342+/-0.192 χ^2/NDF: 3316705.3/38



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 108.338+/-95.259 χ^2/NDF:0.1/1

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 41.927+/-75.806 χ^2/NDF:1.3/1

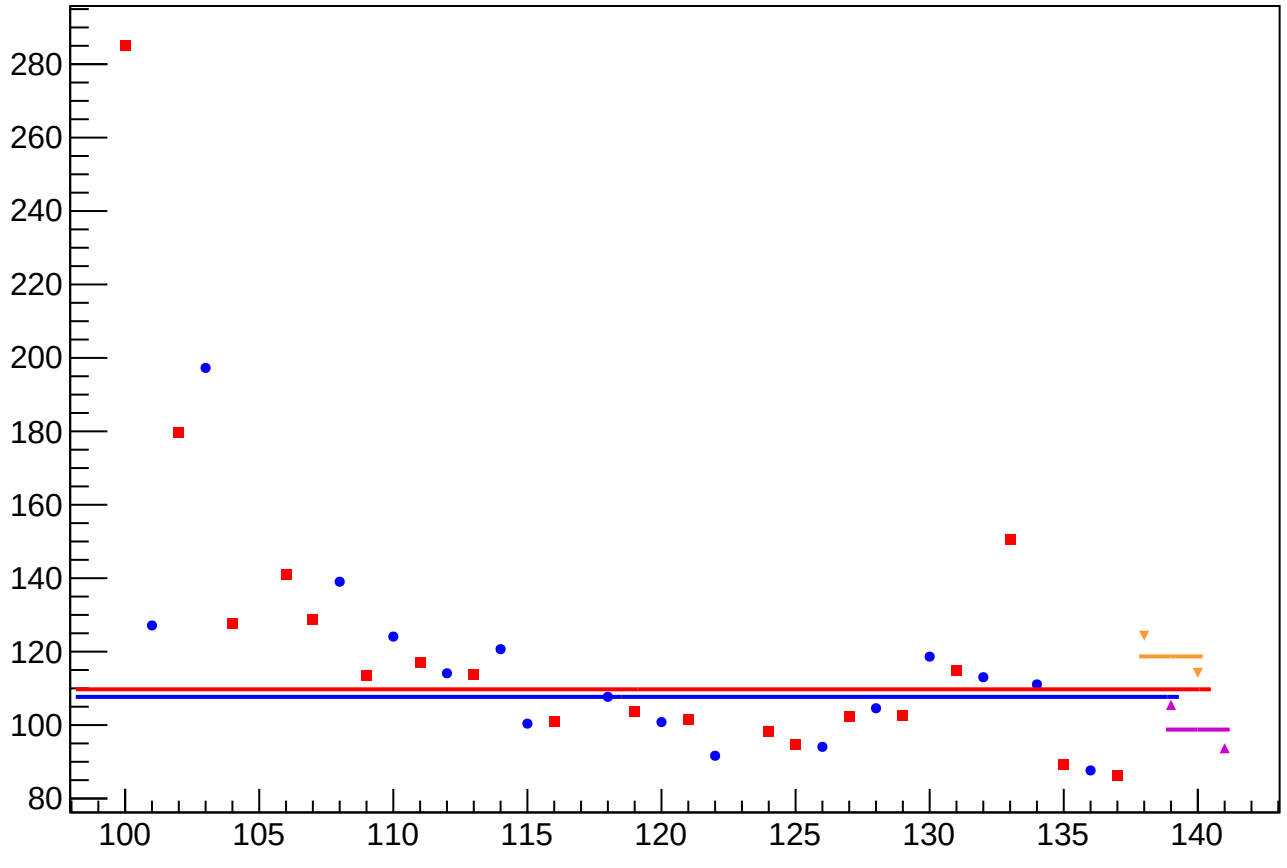
Left: 67.677+/-59.316 χ^2/NDF: 1.7/3

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 29.829+/-36.212 χ^2/NDF:22.7/17

Out: 67.818+/-38.068 χ^2/NDF:27.3/20

All: 47.875+/-26.237 χ^2/NDF: 50.5/38



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 118.695+/-0.067 χ^2/NDF:5554.5/1

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 98.774+/-0.054 χ^2/NDF:11891.9/1

Left: 106.498+/-0.042 χ^2/NDF: 70996.6/3

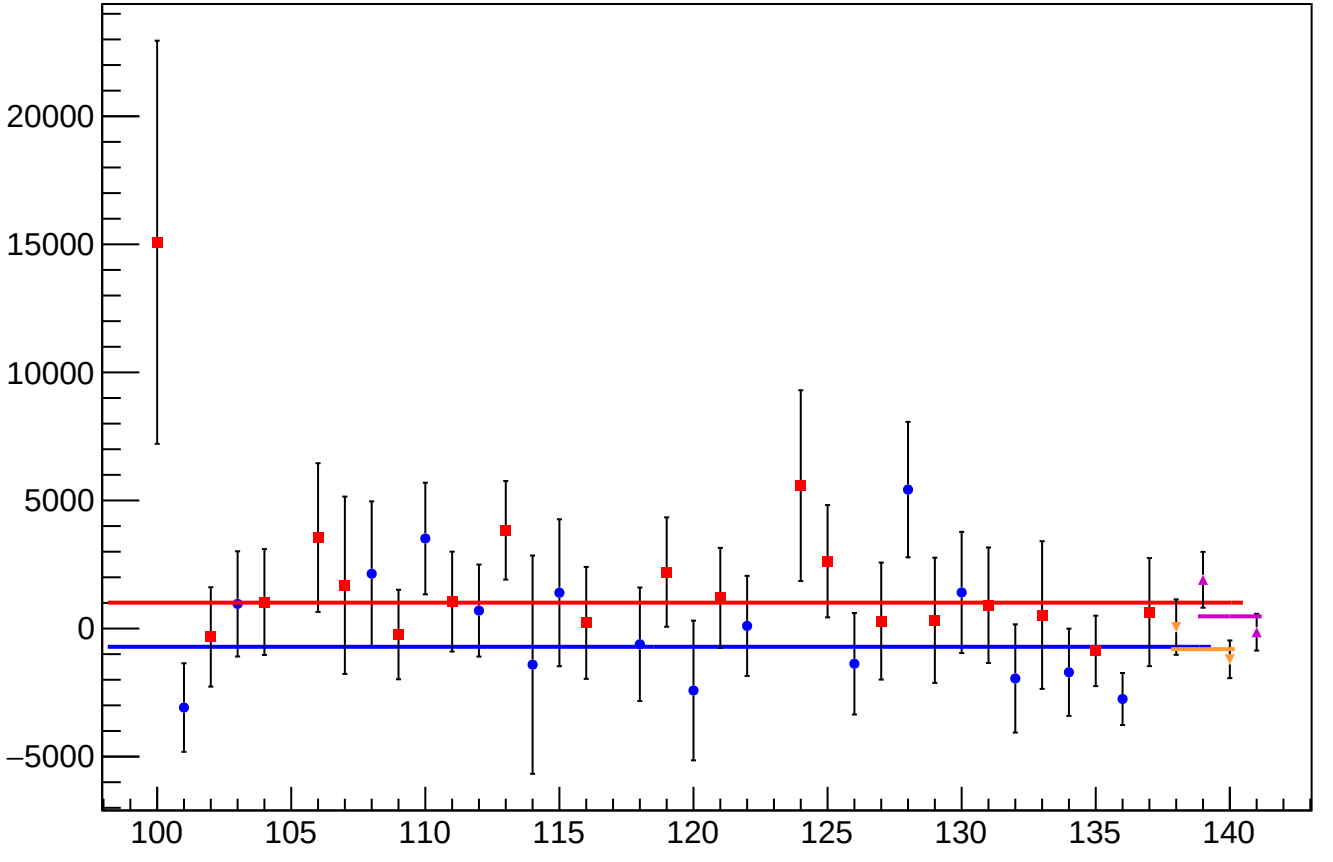
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 105.647+/-0.026 χ^2/NDF:516302.9/17

Out: 111.169+/-0.027 χ^2/NDF:512195.3/20

All: 108.270+/-0.019 χ^2/NDF: 1050590.2/38

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -804.403+/-608.486 χ^2/NDF:0.9/1

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 475.379+/-599.171 χ^2/NDF:2.5/1

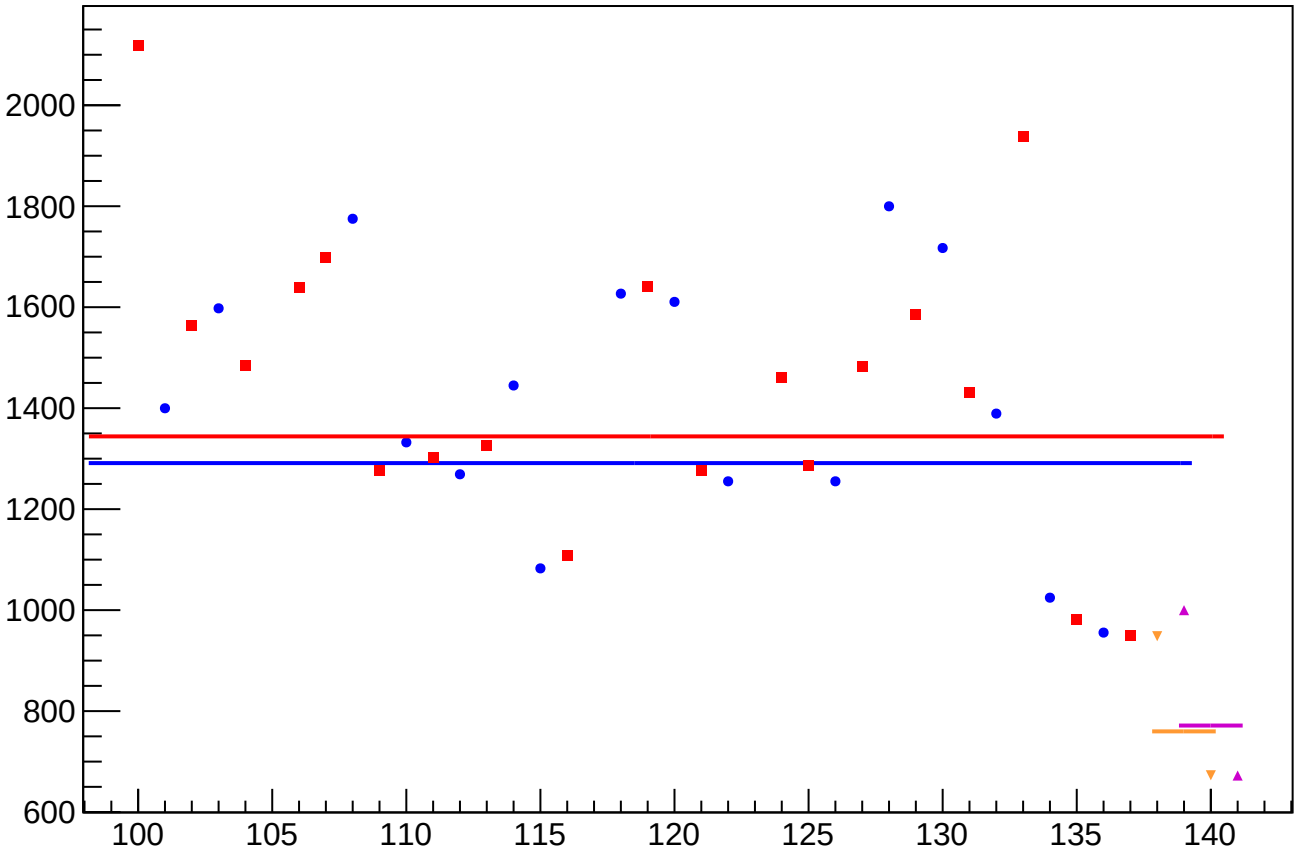
Left: -154.641+/-426.933 χ^2/NDF: 5.6/3

Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -232.890+/-380.813 χ^2/NDF:24.9/17

Out: 276.623+/-386.941 χ^2/NDF:18.0/20

All: 17.800+/-271.416 χ^2/NDF: 43.8/38



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 759.855+/-0.430 χ^2/NDF:88512.2/1

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 771.424+/-0.424 χ^2/NDF:126079.0/1

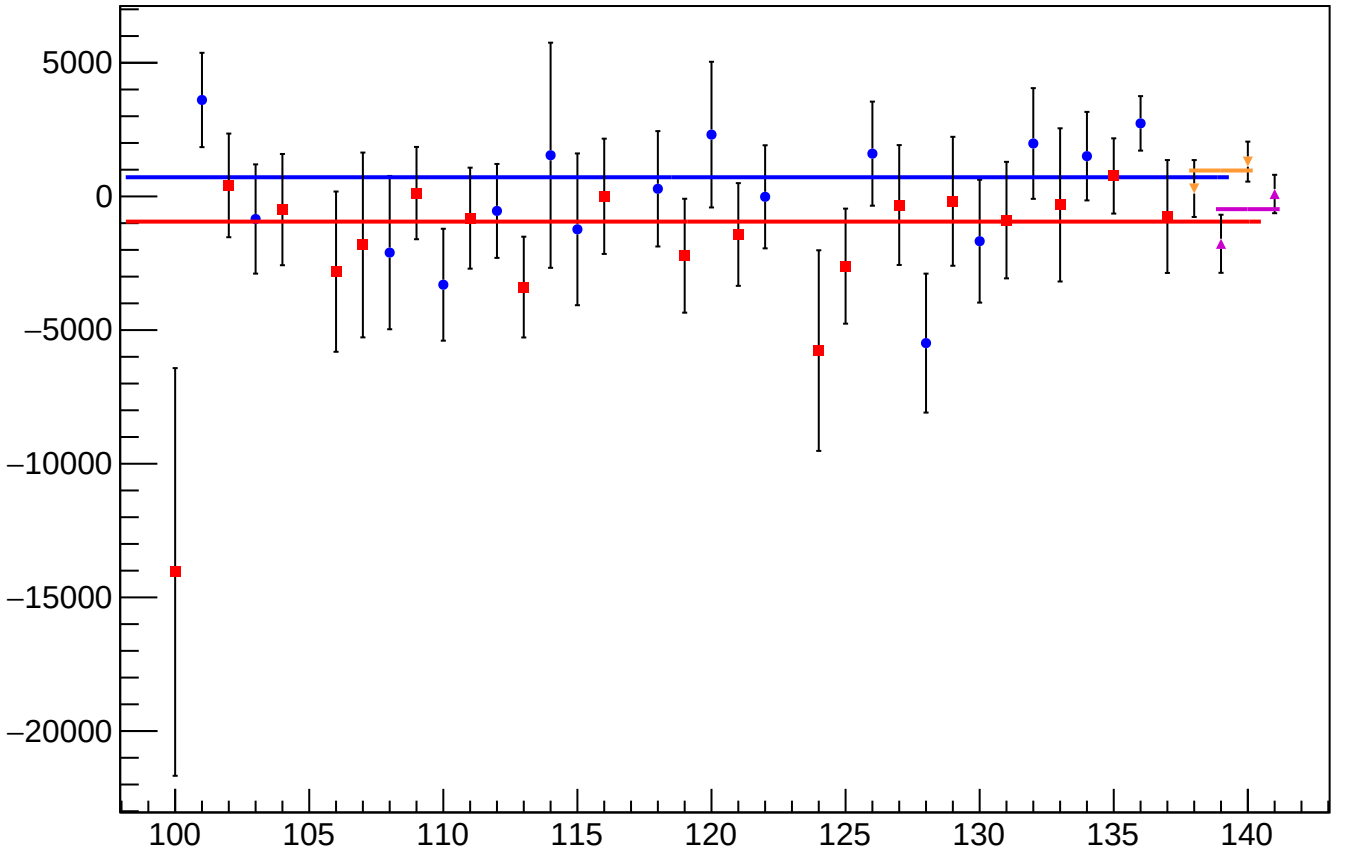
Left: 765.729+/-0.302 χ^2/NDF: 214958.3/3

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 1081.251+/-0.269 χ^2/NDF:1634156.5/17

Out: 1107.852+/-0.274 χ^2/NDF:1677749.3/20

All: 1094.339+/-0.192 χ^2/NDF: 3316707.3/38



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 969.552+/-611.855 χ^2/NDF:0.6/1

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -475.886+/-599.152 χ^2/NDF:2.0/1

Left: 231.672+/-428.085 χ^2/NDF: 5.5/3

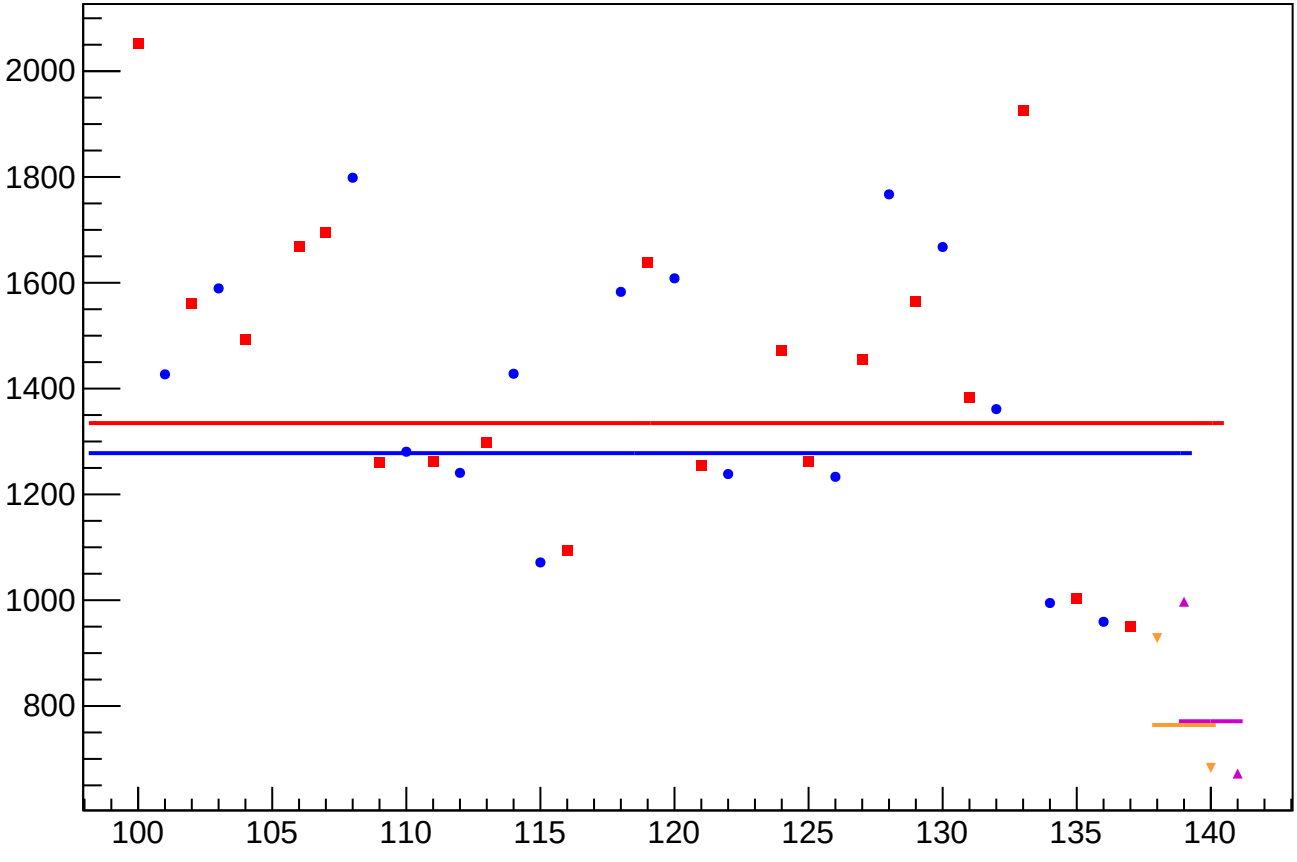
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 241.348+/-378.487 χ^2/NDF:25.4/17

Out: -180.370+/-386.261 χ^2/NDF:17.1/20

All: 34.776+/-270.337 χ^2/NDF: 43.1/38

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 764.089+/-0.433 χ^2/NDF:71210.9/1

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 771.165+/-0.424 χ^2/NDF:124419.9/1

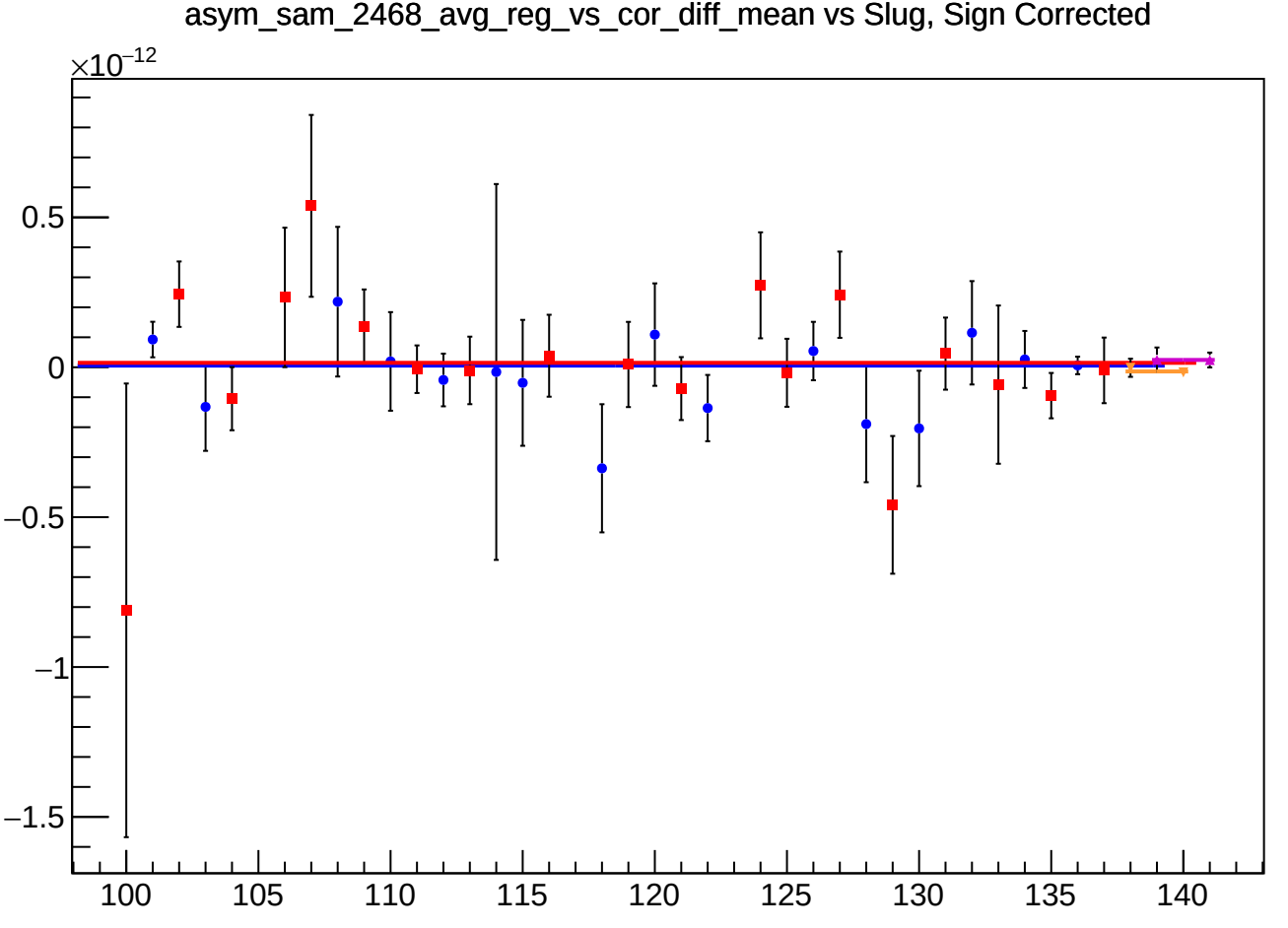
Left: 767.701+/-0.303 χ^2/NDF: 195767.2/3

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 1075.734+/-0.268 χ^2/NDF:1582072.7/17

Out: 1107.338+/-0.273 χ^2/NDF:1589606.6/20

All: 1091.215+/-0.191 χ^2/NDF: 3178510.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

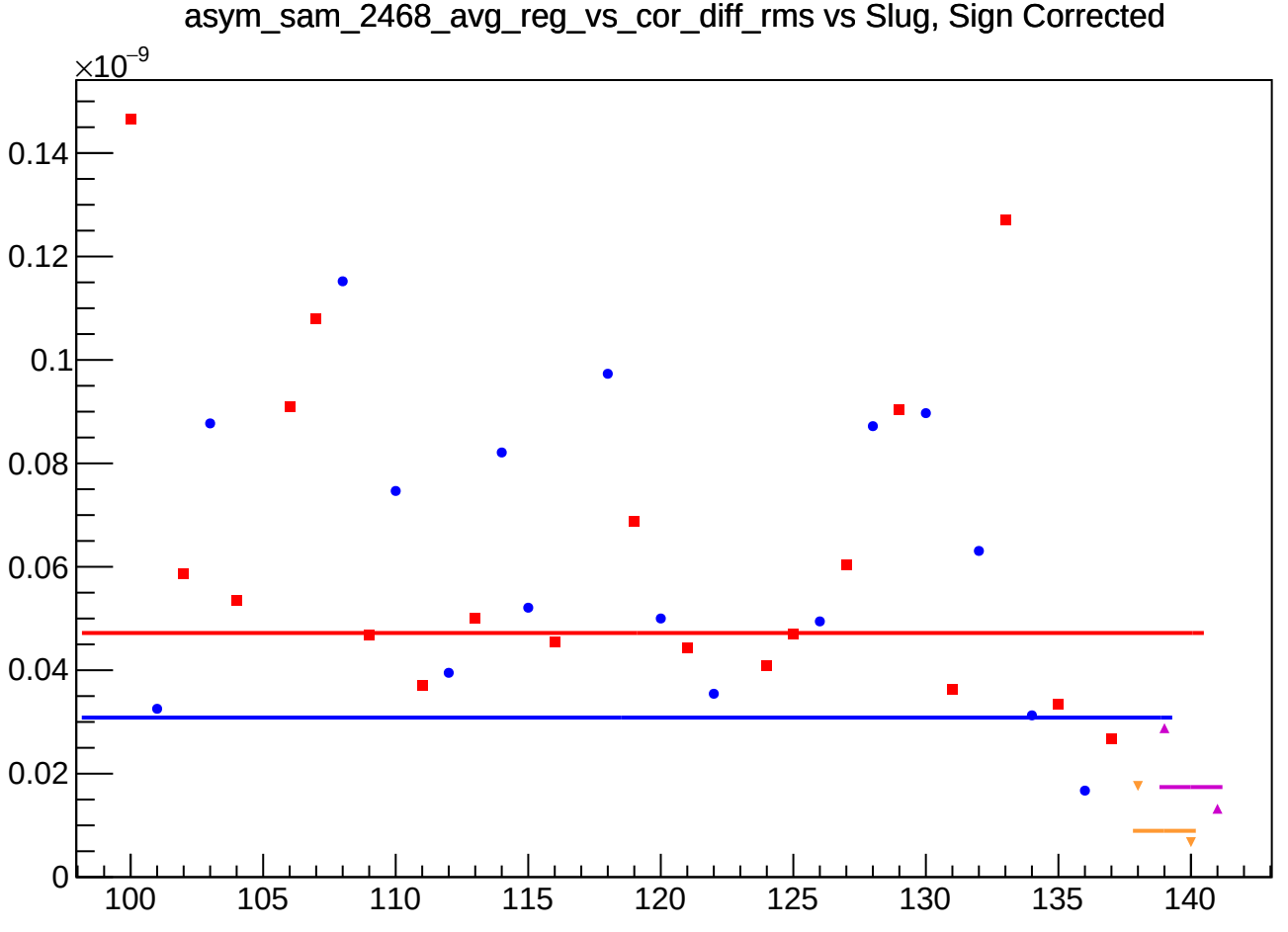
Left: -0.000+/-0.000 χ^2/NDF: 2.5/3

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:12.0/17

Out: -0.000+/-0.000 χ^2/NDF:24.8/20

All: 0.000+/-0.000 χ^2/NDF: 38.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:206280.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:212234.1/1

Left: 0.000+/-0.000 χ^2/NDF: 644035.6/3

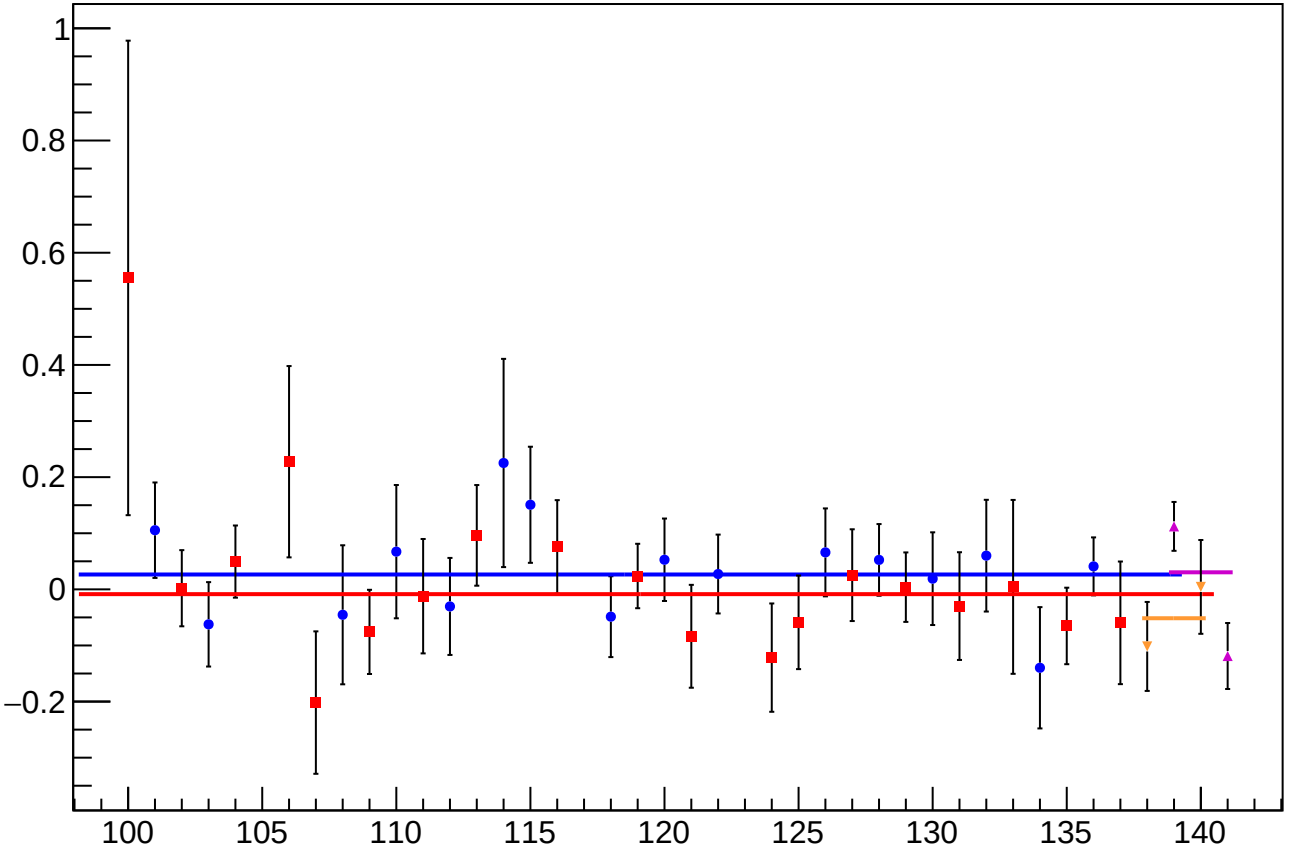
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:2519531.6/17

Out: 0.000+/-0.000 χ^2/NDF:3843385.7/20

All: 0.000+/-0.000 χ^2/NDF: 6702264.1/38

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.051+/-0.058 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.030+/-0.035 χ^2/NDF:10.0/1

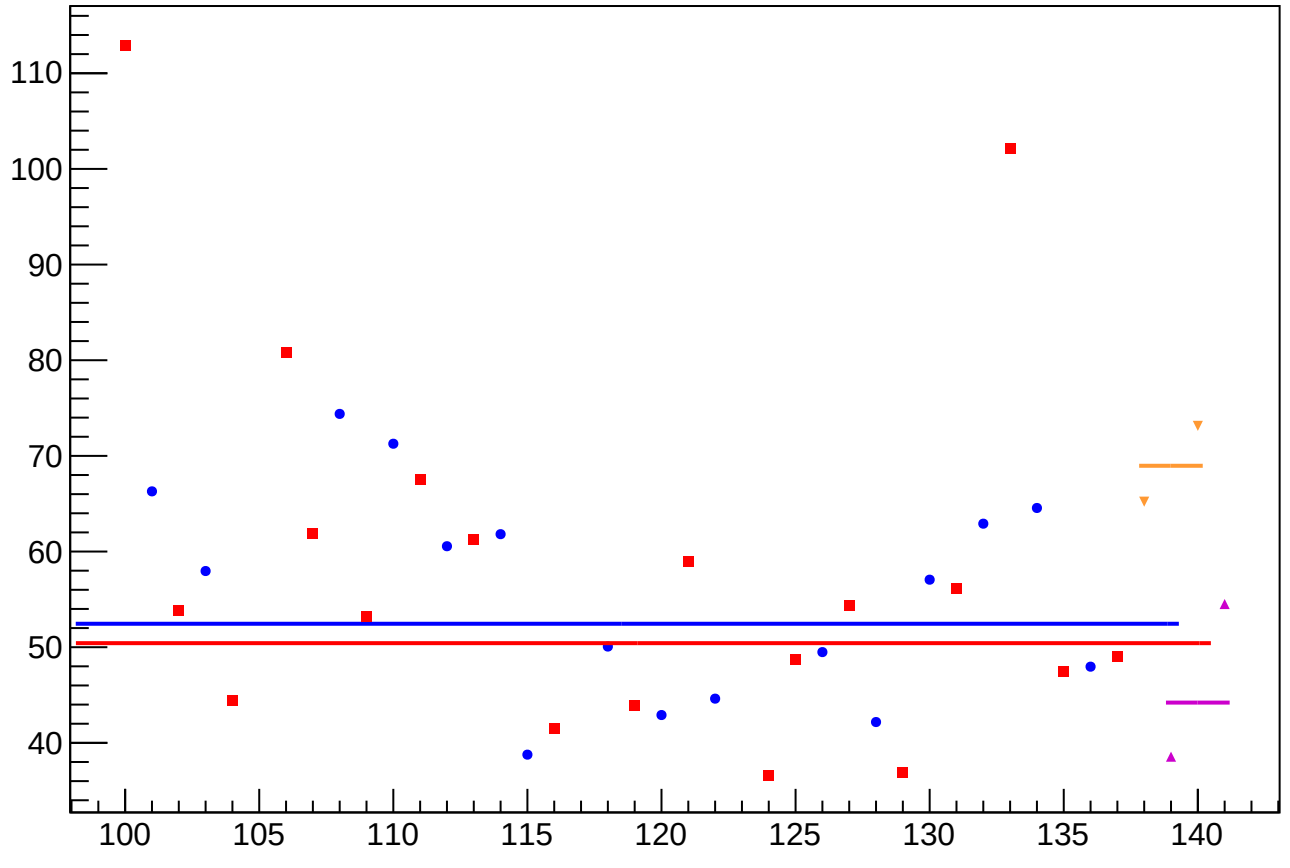
Left: 0.008+/-0.030 χ^2/NDF: 12.3/3

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.018 χ^2/NDF:19.9/17

Out: -0.013+/-0.018 χ^2/NDF:15.3/20

All: 0.008+/-0.013 χ^2/NDF: 37.7/38



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 68.966+/-0.041 χ^2/NDF:9460.5/1

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 44.210+/-0.025 χ^2/NDF:95136.6/1

Left: 50.895+/-0.021 χ^2/NDF: 374904.7/3

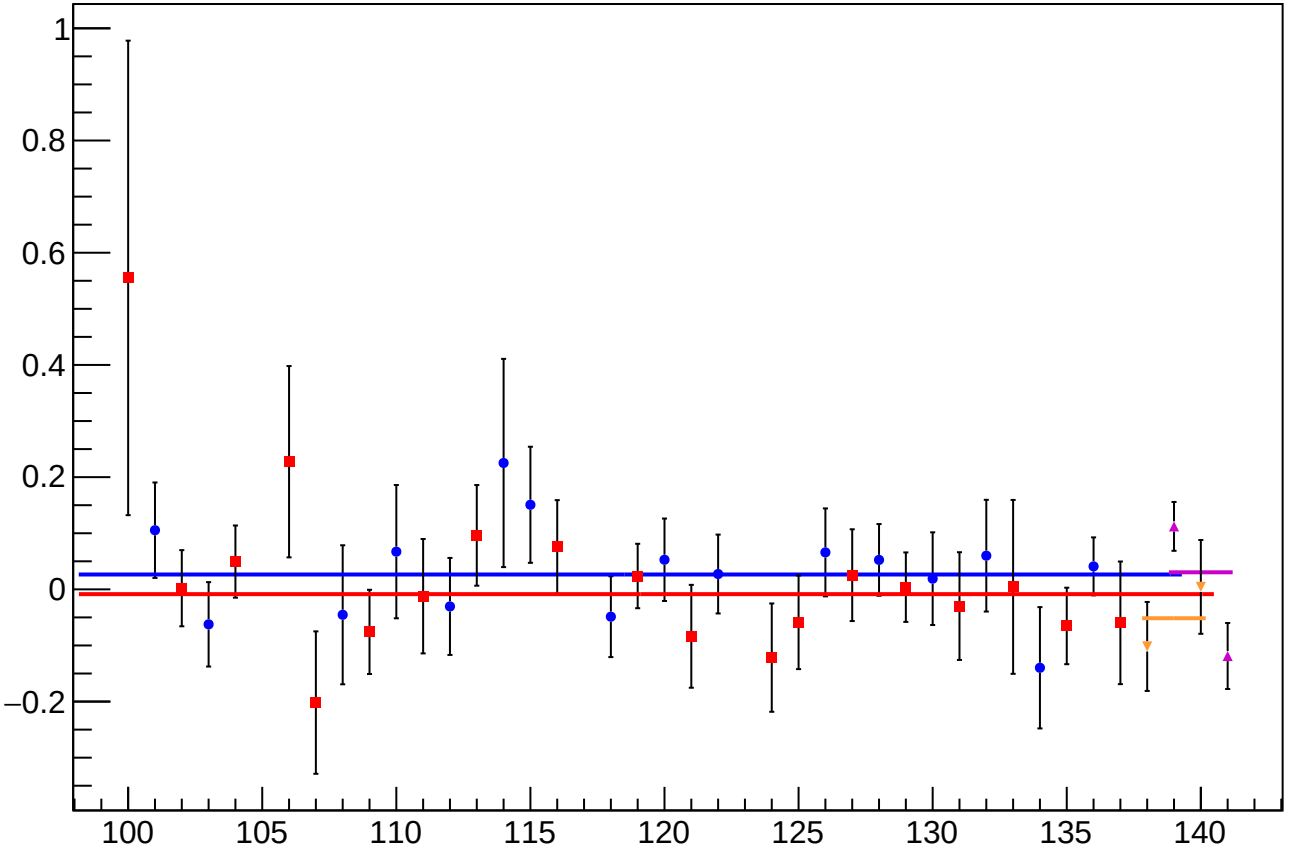
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.361+/-0.012 χ^2/NDF:595937.9/17

Out: 52.330+/-0.013 χ^2/NDF:872603.9/20

All: 51.300+/-0.009 χ^2/NDF: 1480453.4/38

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.051+/-0.058 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.030+/-0.035 χ^2/NDF:10.0/1

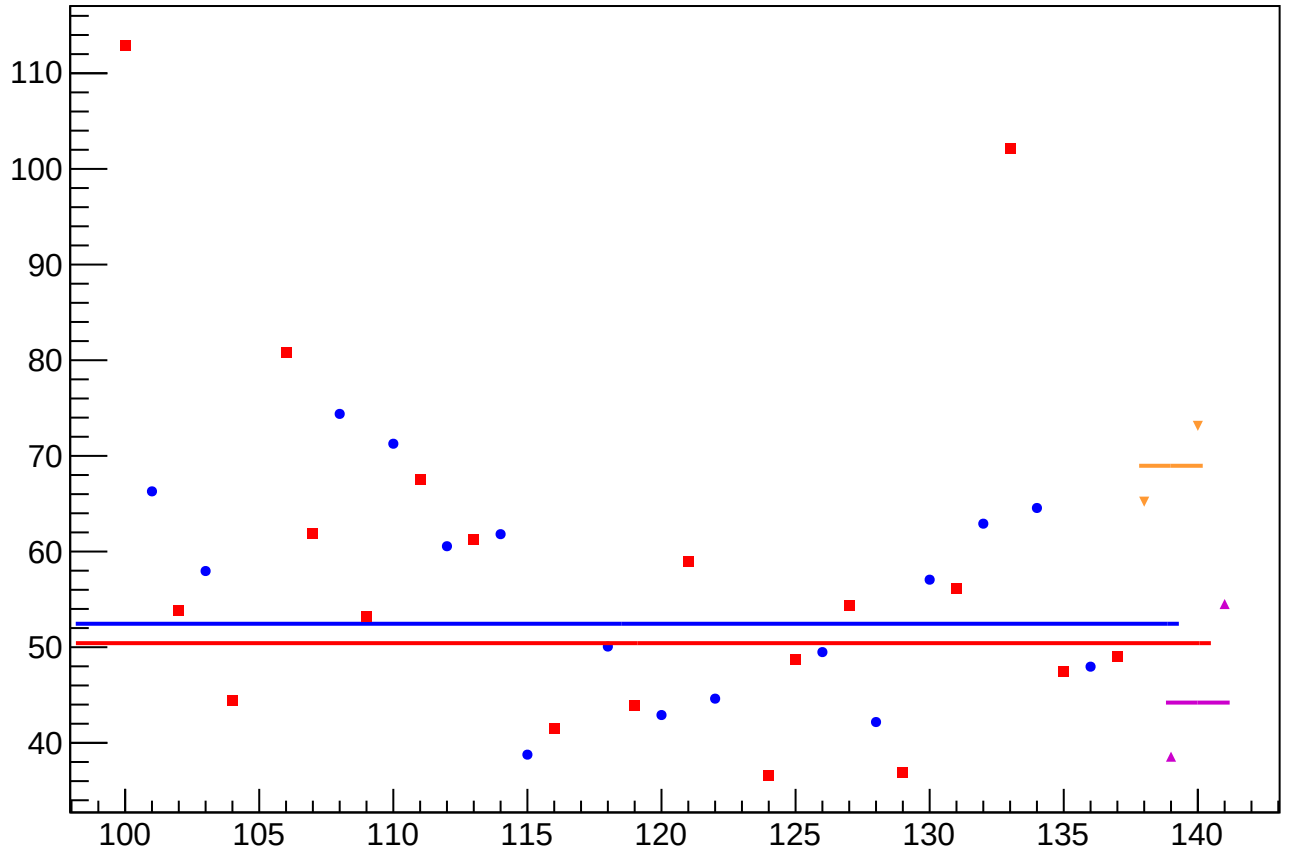
Left: 0.008+/-0.030 χ^2/NDF: 12.3/3

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.018 χ^2/NDF:19.9/17

Out: -0.013+/-0.018 χ^2/NDF:15.3/20

All: 0.008+/-0.013 χ^2/NDF: 37.7/38



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 68.966+/-0.041 χ^2/NDF:9460.5/1

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 44.210+/-0.025 χ^2/NDF:95136.6/1

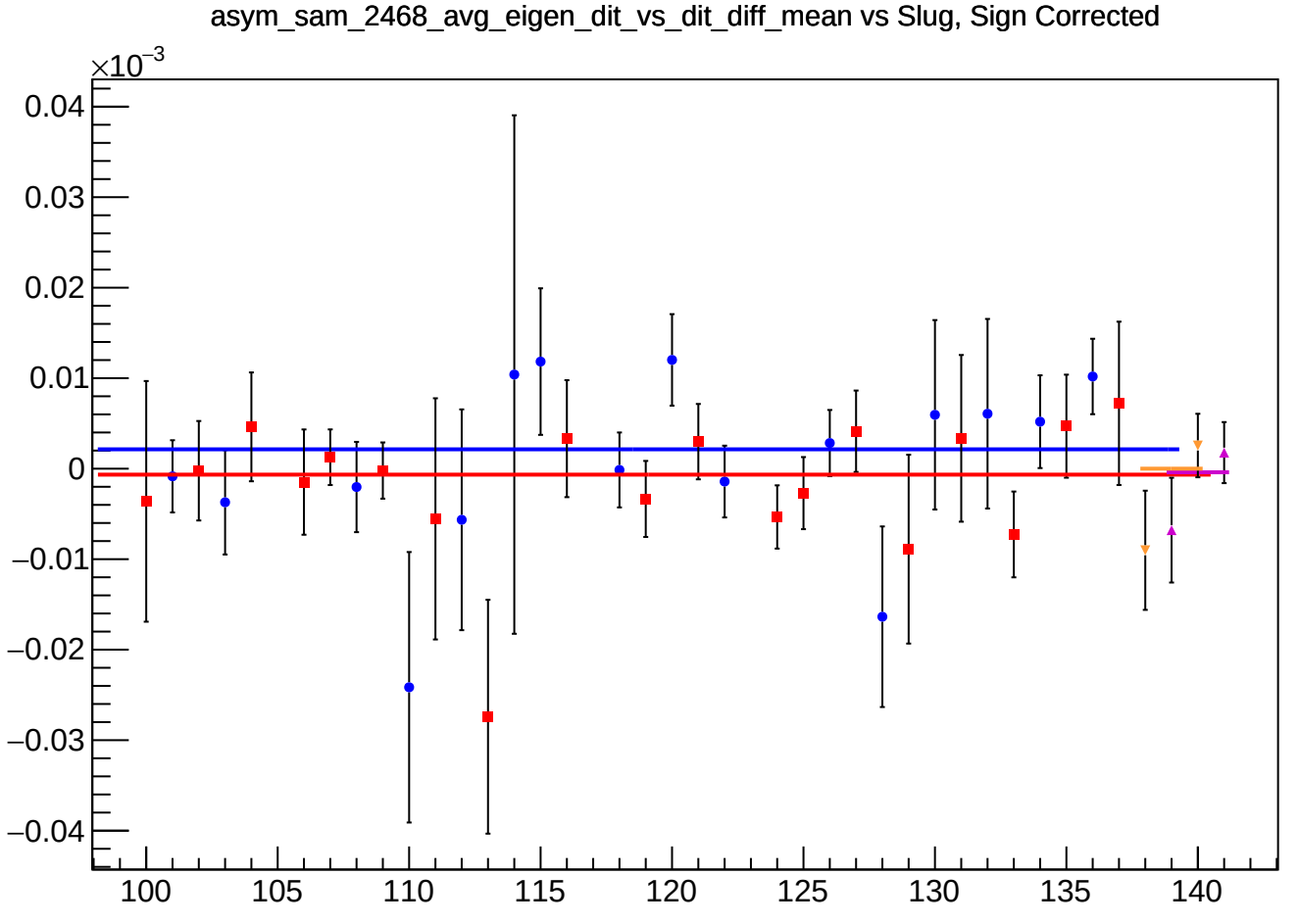
Left: 50.895+/-0.021 χ^2/NDF: 374904.7/3

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.361+/-0.012 χ^2/NDF:595937.9/17

Out: 52.330+/-0.013 χ^2/NDF:872603.9/20

All: 51.300+/-0.009 χ^2/NDF: 1480453.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/1

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/1

Left: -0.000+/-0.000 χ^2/NDF: 4.1/3

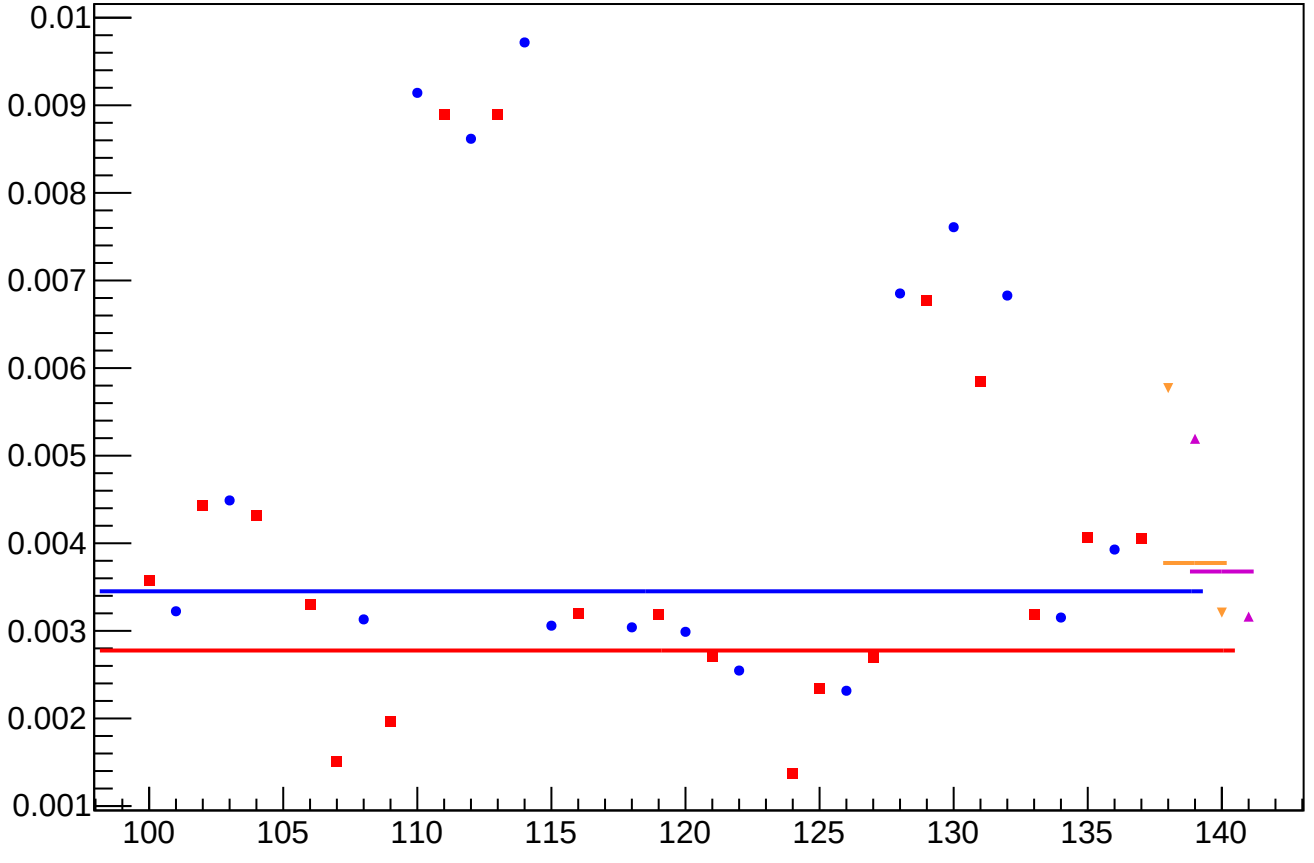
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/17

Out: -0.000+/-0.000 χ^2/NDF:17.3/20

All: 0.000+/-0.000 χ^2/NDF: 41.5/38

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:236024.4/1

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.004+/-0.000 χ^2/NDF:183756.4/1

Left: 0.004+/-0.000 χ^2/NDF: 420832.1/3

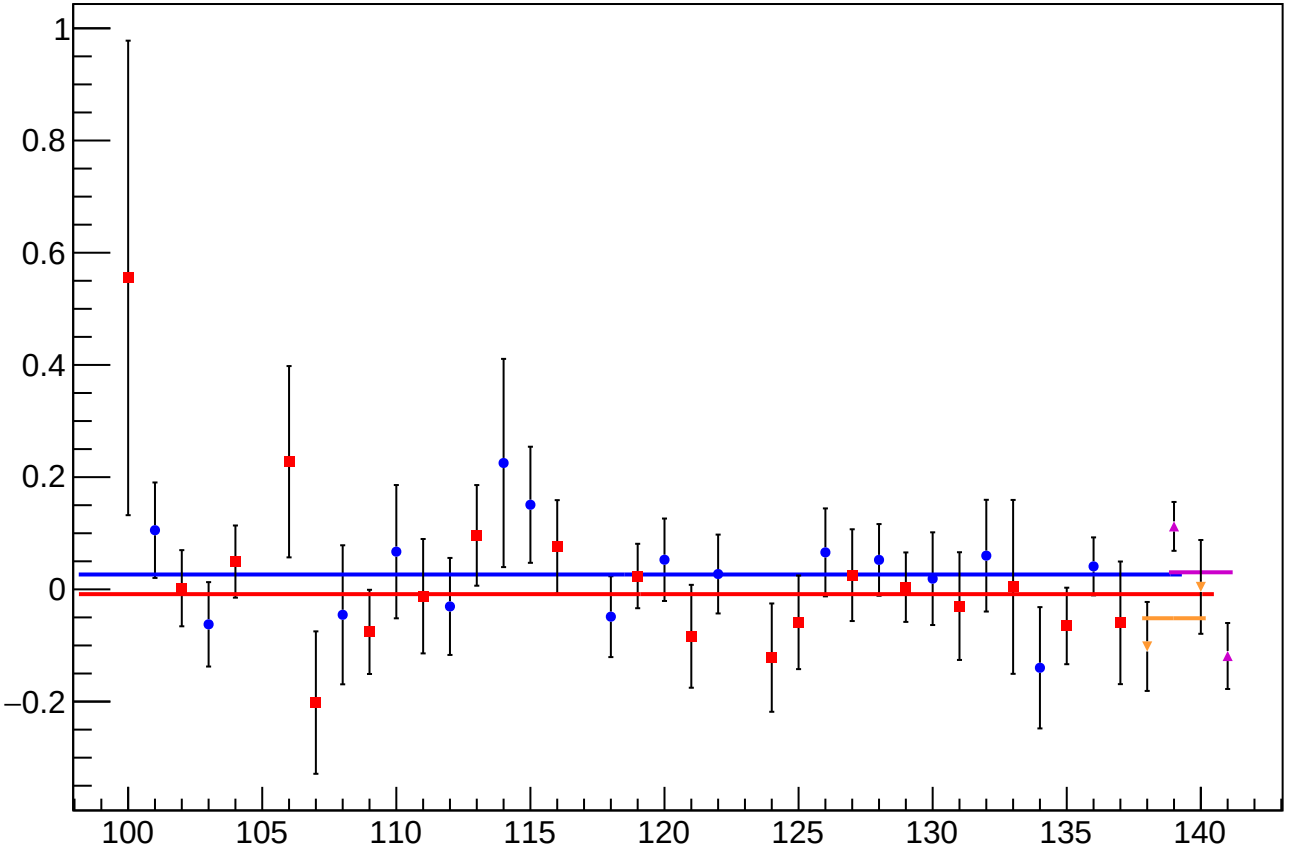
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:2144655.0/17

Out: 0.003+/-0.000 χ^2/NDF:3154148.5/20

All: 0.003+/-0.000 χ^2/NDF: 5560021.5/38

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.051+/-0.058 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.030+/-0.035 χ^2/NDF:10.0/1

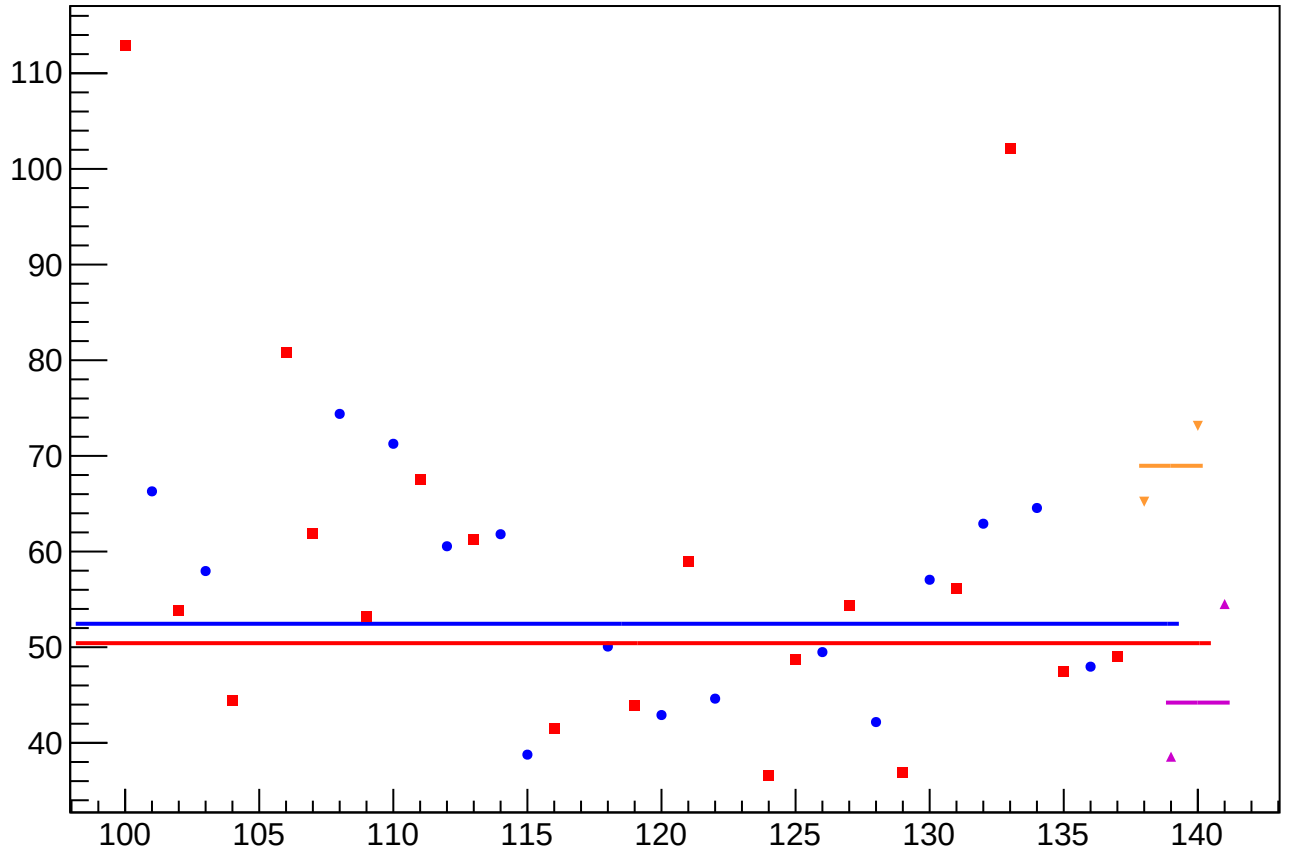
Left: 0.008+/-0.030 χ^2/NDF: 12.3/3

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.018 χ^2/NDF:19.9/17

Out: -0.013+/-0.018 χ^2/NDF:15.3/20

All: 0.008+/-0.013 χ^2/NDF: 37.7/38



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 68.966+/-0.041 χ^2/NDF:9466.1/1

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 44.209+/-0.025 χ^2/NDF:95151.7/1

Left: 50.895+/-0.021 χ^2/NDF: 374926.8/3

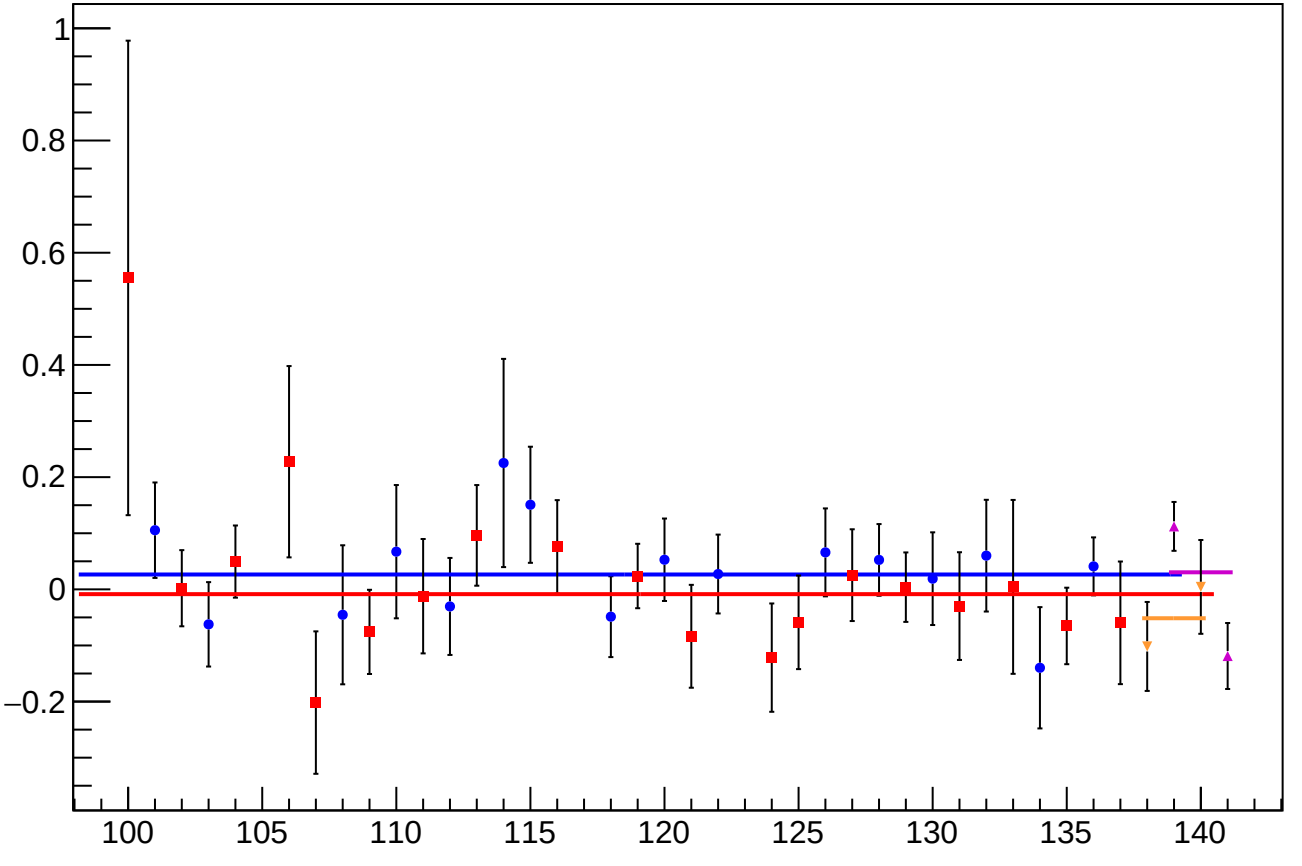
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.360+/-0.012 χ^2/NDF:595897.6/17

Out: 52.329+/-0.013 χ^2/NDF:872626.3/20

All: 51.299+/-0.009 χ^2/NDF: 1480434.1/38

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.051+/-0.058 χ^2/NDF:0.8/1

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.030+/-0.035 χ^2/NDF:10.0/1

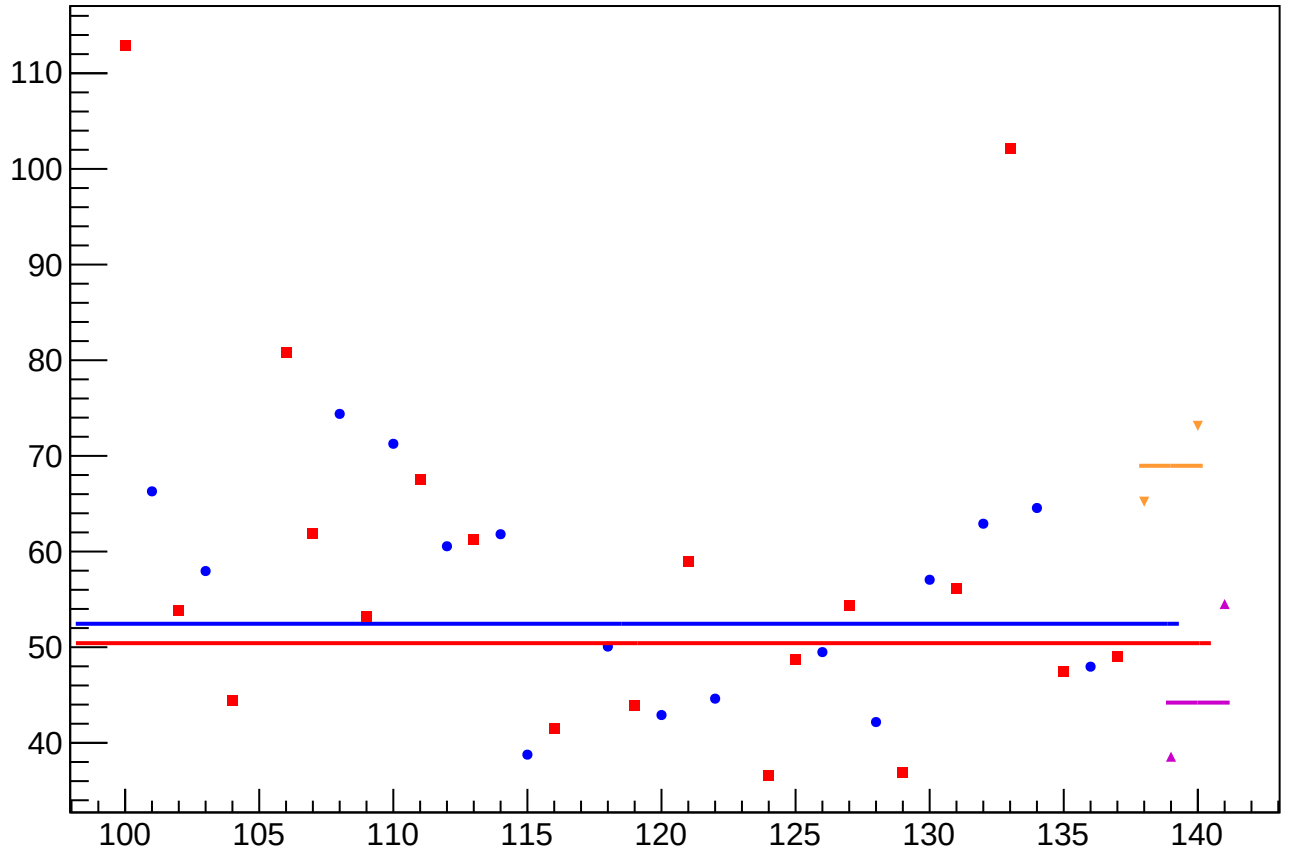
Left: 0.008+/-0.030 χ^2/NDF: 12.3/3

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.018 χ^2/NDF:19.9/17

Out: -0.013+/-0.018 χ^2/NDF:15.3/20

All: 0.008+/-0.013 χ^2/NDF: 37.7/38



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 68.966+/-0.041 χ^2/NDF:9466.1/1

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 44.209+/-0.025 χ^2/NDF:95151.7/1

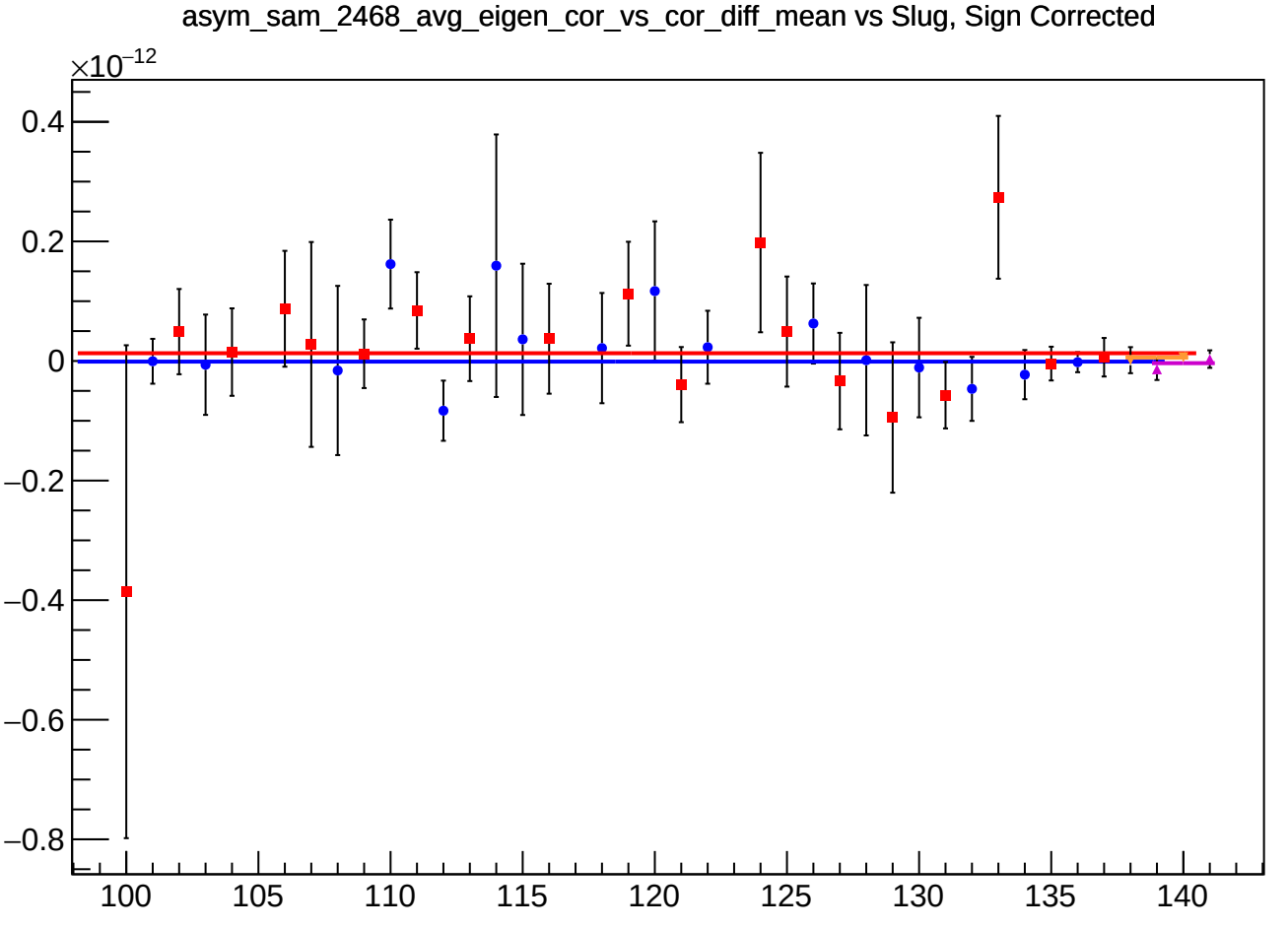
Left: 50.895+/-0.021 χ^2/NDF: 374926.8/3

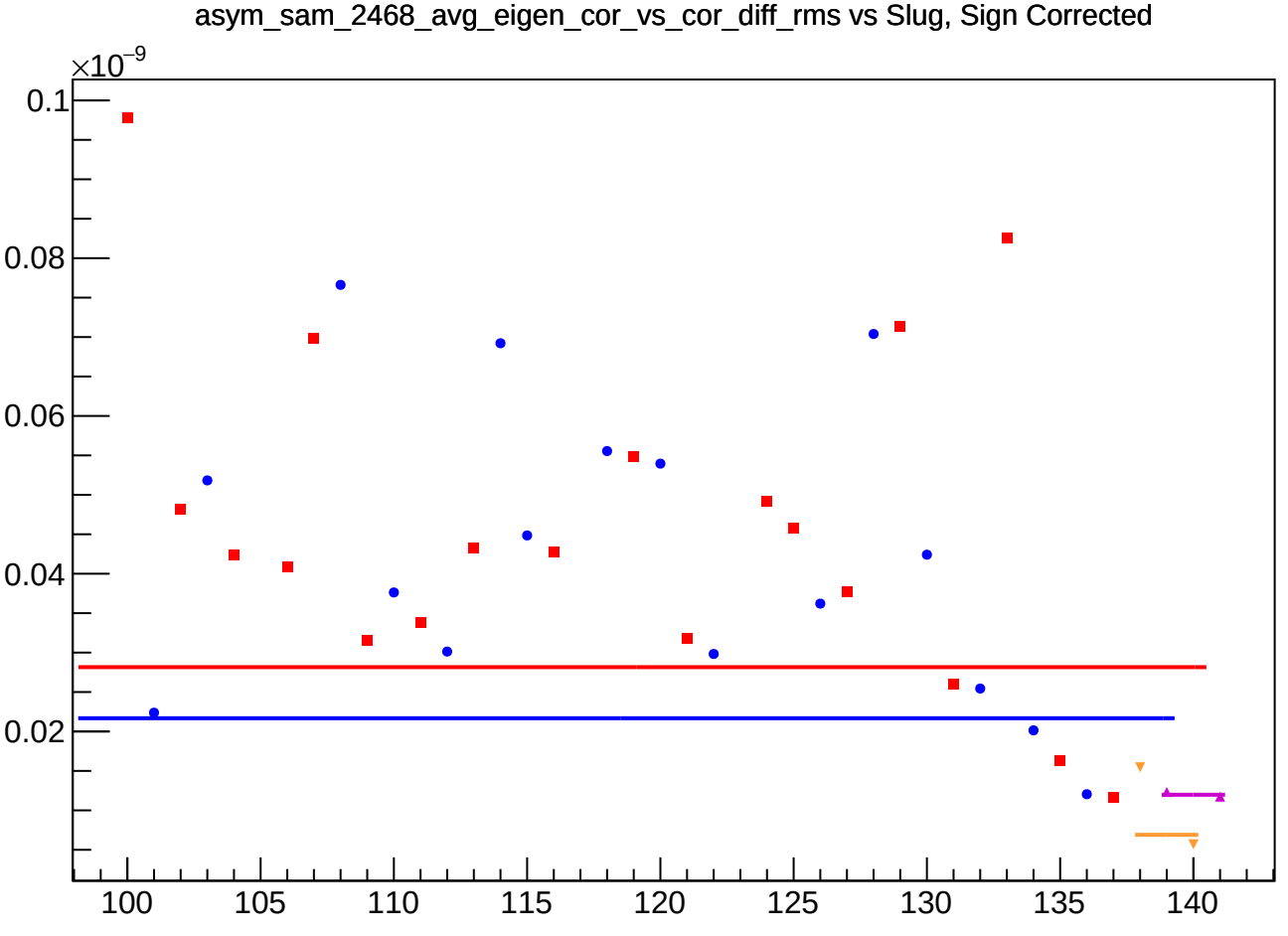
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.360+/-0.012 χ^2/NDF:595897.6/17

Out: 52.329+/-0.013 χ^2/NDF:872626.3/20

All: 51.299+/-0.009 χ^2/NDF: 1480434.1/38


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:0.0/1
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:0.5/1
Left: 0.000+/-0.000 χ²/NDF: 1.1/3
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:11.8/17
Out: 0.000+/-0.000 χ²/NDF:13.9/20
All: 0.000+/-0.000 χ²/NDF: 26.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:352186.1/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1294.9/1

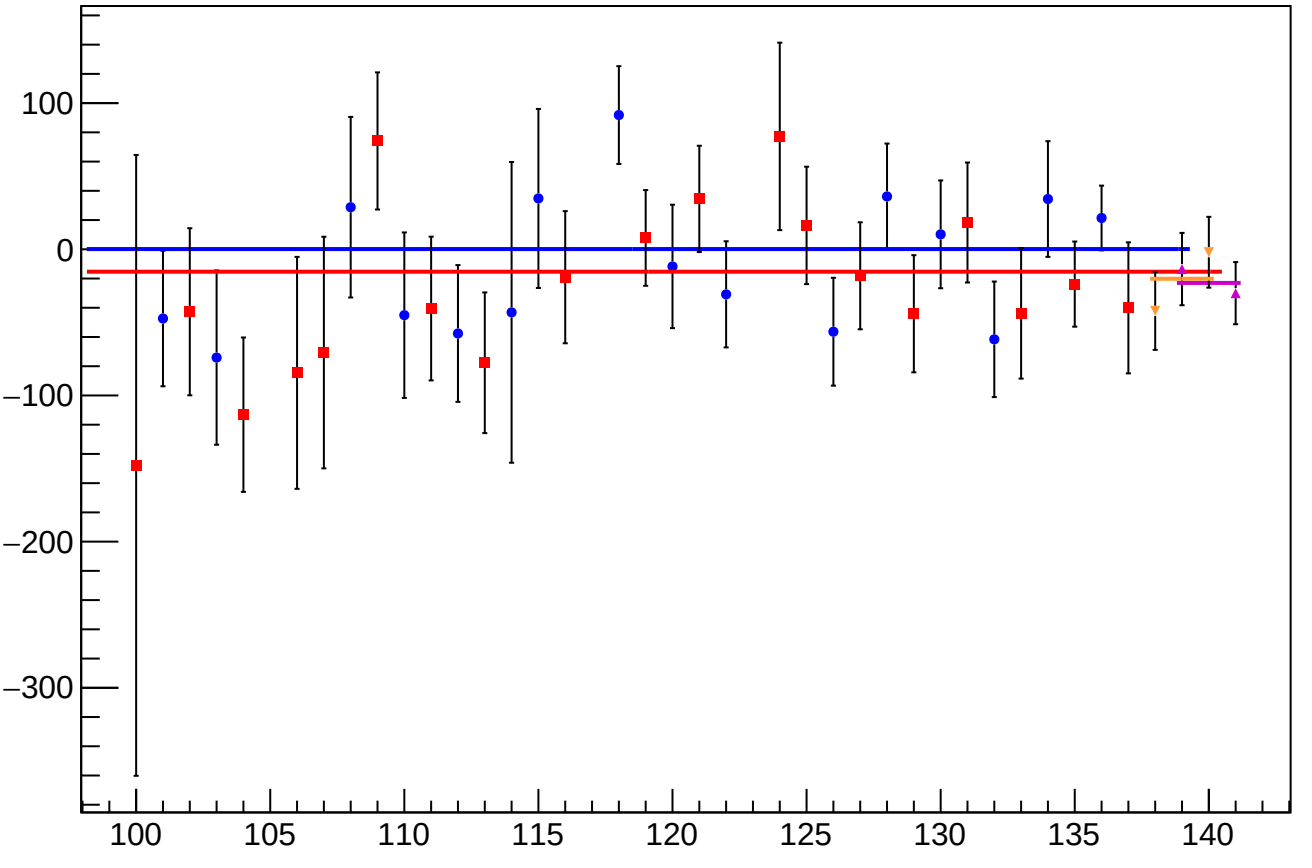
Left: 0.000+/-0.000 χ^2/NDF: 629034.9/3

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:3215196.4/17

Out: 0.000+/-0.000 χ^2/NDF:6093556.4/20

All: 0.000+/-0.000 χ^2/NDF: 9753853.5/38



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -20.148+/-17.932 χ^2/NDF:1.2/1

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -23.004+/-16.124 χ^2/NDF:0.3/1

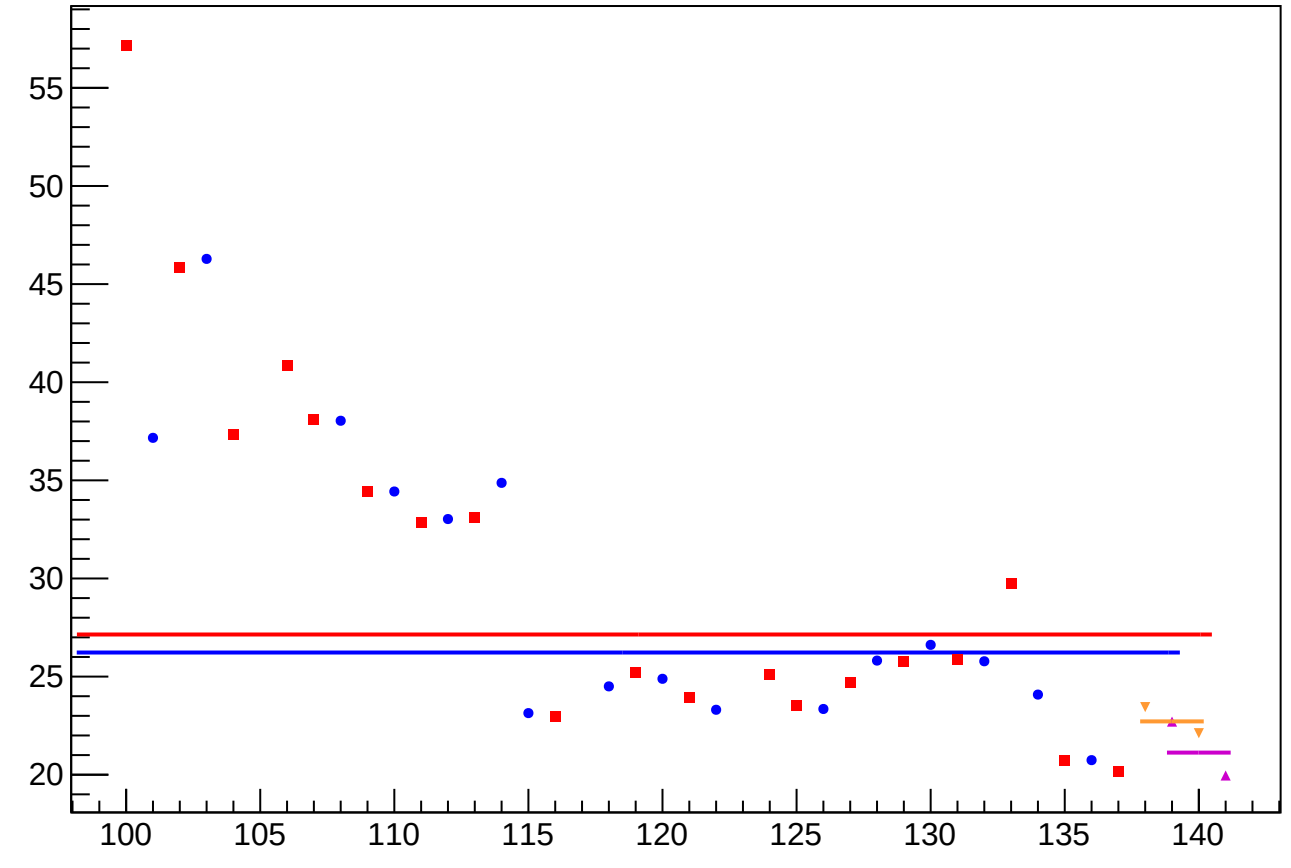
Left: -21.727+/-11.990 χ^2/NDF: 1.5/3

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.323+/-8.527 χ^2/NDF:23.1/17

Out: -16.521+/-8.910 χ^2/NDF:19.2/20

All: -11.199+/-6.161 χ^2/NDF: 43.0/38



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 22.717+/-0.013 χ^2/NDF:2723.7/1

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 21.127+/-0.011 χ^2/NDF:14177.7/1

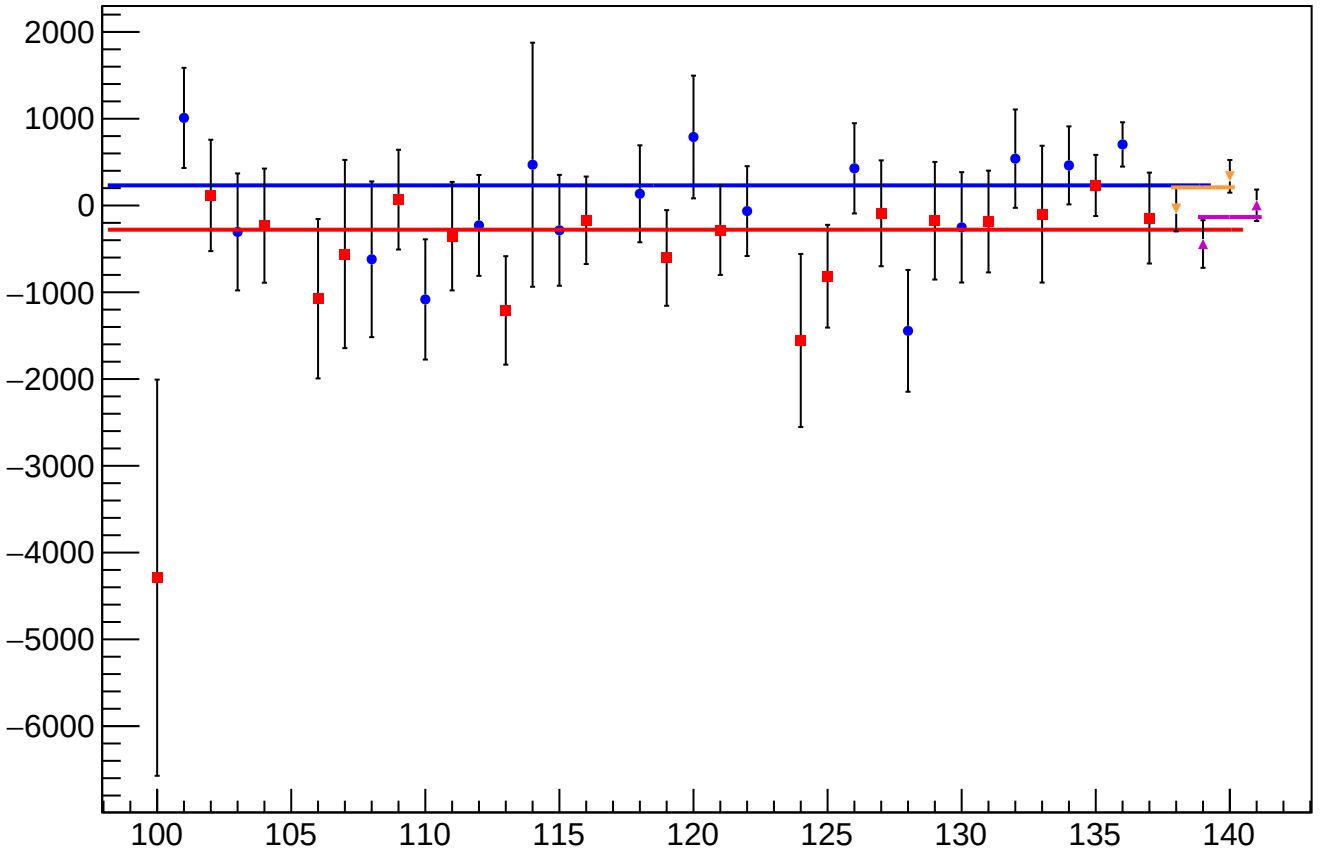
Left: 21.838+/-0.008 χ^2/NDF: 25597.3/3

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 24.800+/-0.006 χ^2/NDF:834335.5/17

Out: 26.052+/-0.006 χ^2/NDF:849999.1/20

All: 25.399+/-0.004 χ^2/NDF: 1704936.5/38



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 209.042+/-152.995 χ^2/NDF:1.3/1

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -132.999+/-151.233 χ^2/NDF:1.8/1

Left: 36.041+/-107.556 χ^2/NDF: 5.7/3

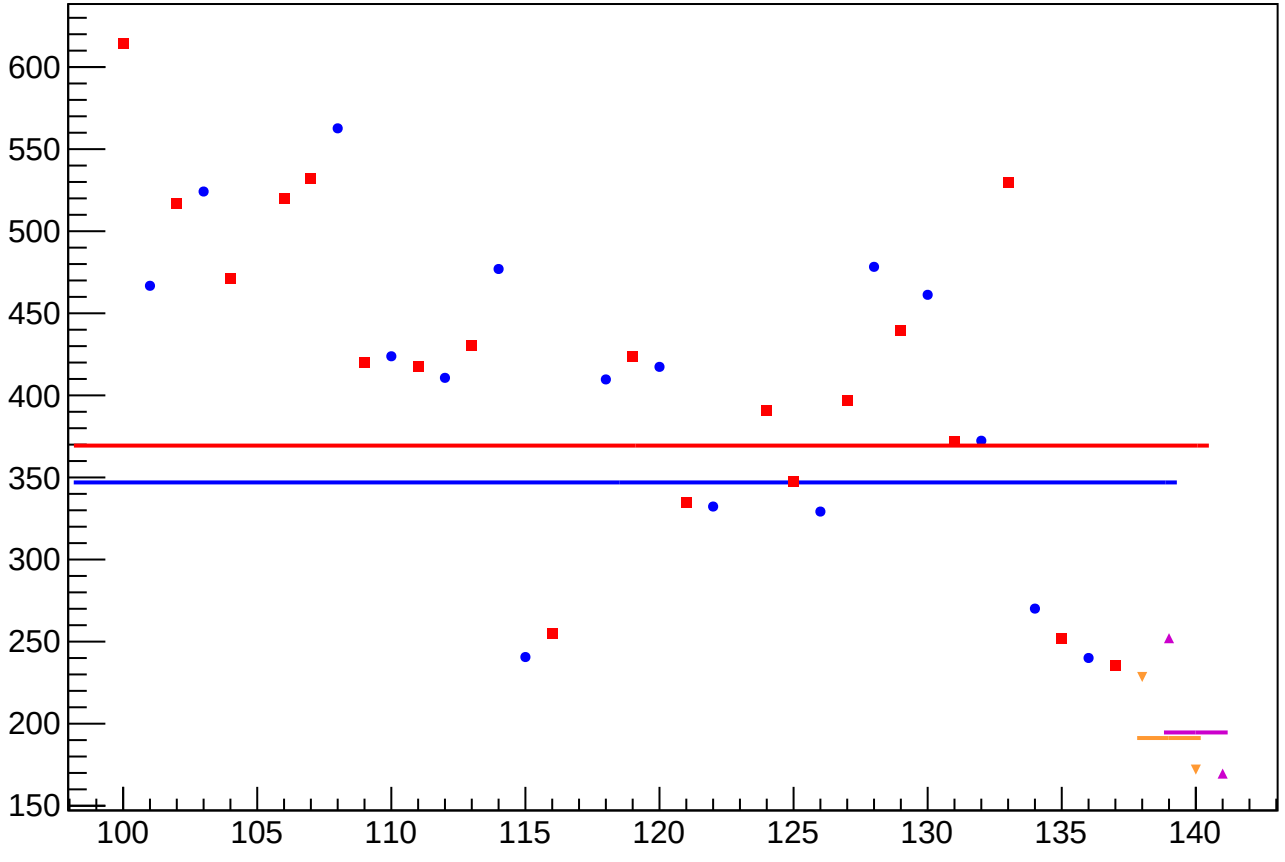
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 70.358+/-100.658 χ^2/NDF:24.7/17

Out: -56.666+/-103.270 χ^2/NDF:19.0/20

All: 8.473+/-72.082 χ^2/NDF: 44.5/38

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 191.268+/-0.108 χ^2/NDF:61138.6/1

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 194.663+/-0.107 χ^2/NDF:125837.4/1

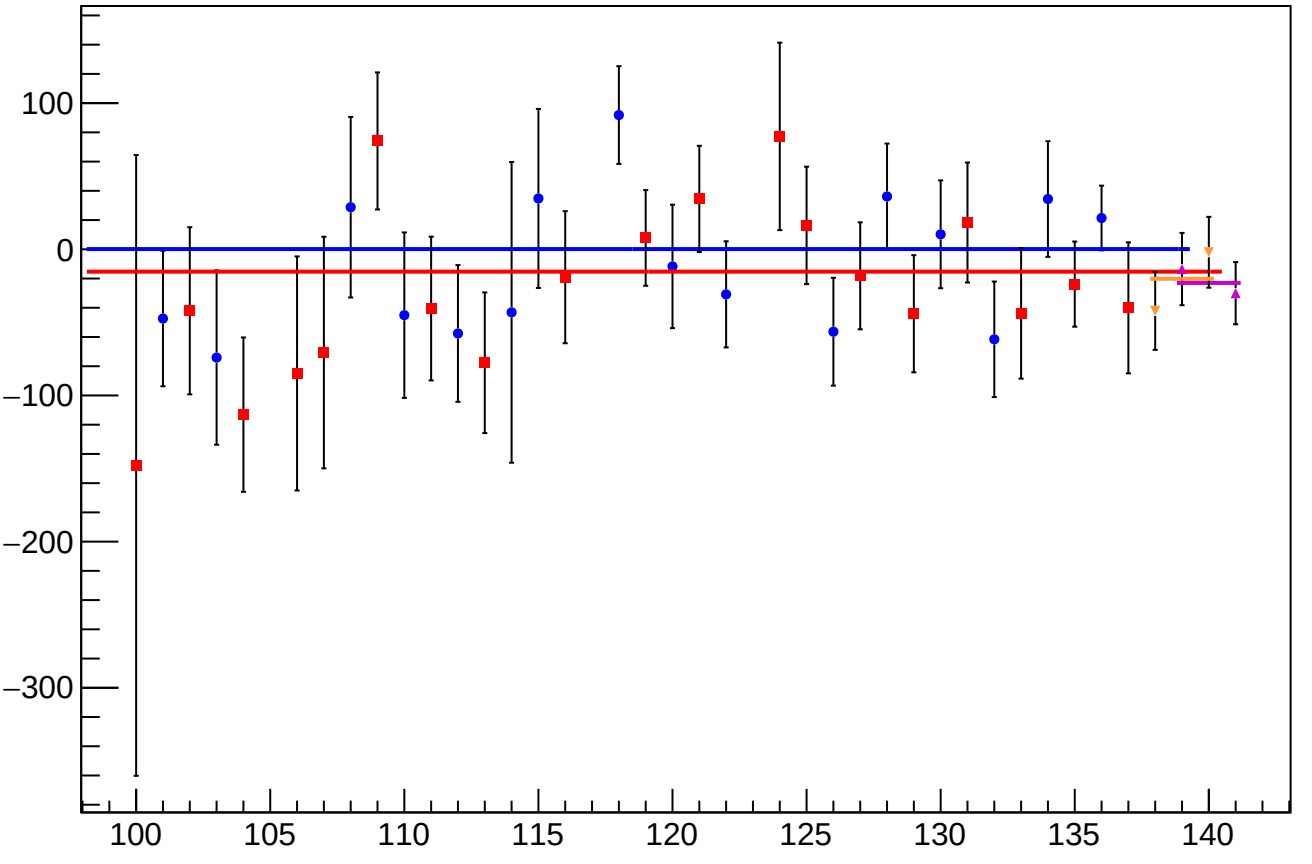
Left: 192.985+/-0.076 χ^2/NDF: 187474.0/3

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 279.498+/-0.071 χ^2/NDF:2313740.7/17

Out: 288.247+/-0.073 χ^2/NDF:2456100.6/20

All: 283.760+/-0.051 χ^2/NDF: 4777202.3/38



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -20.152+/-17.932 χ^2/NDF:1.2/1

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -23.008+/-16.124 χ^2/NDF:0.3/1

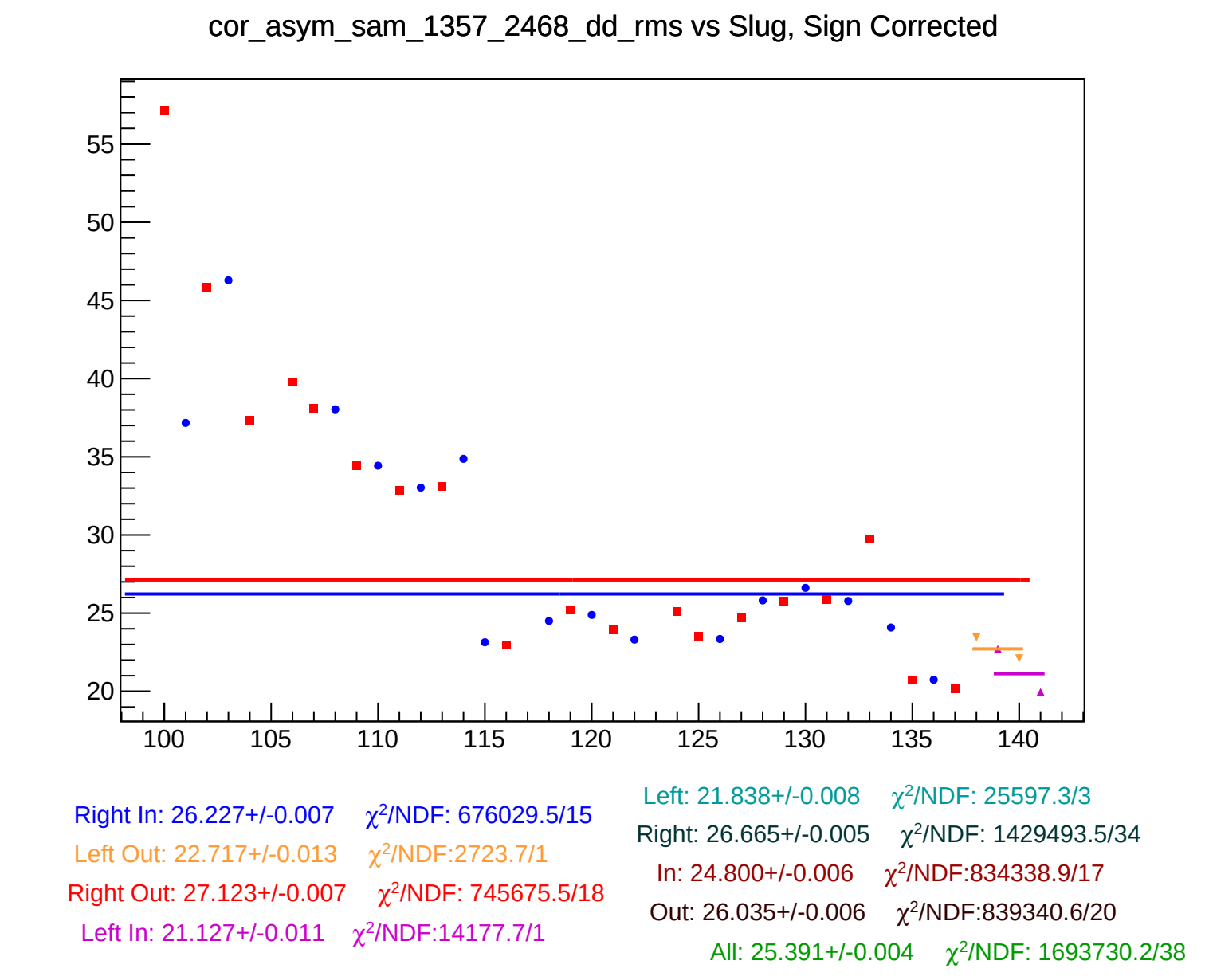
Left: -21.731+/-11.990 χ^2/NDF: 1.5/3

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.322+/-8.527 χ^2/NDF:23.1/17

Out: -16.492+/-8.911 χ^2/NDF:19.2/20

All: -11.184+/-6.161 χ^2/NDF: 43.0/38


cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected
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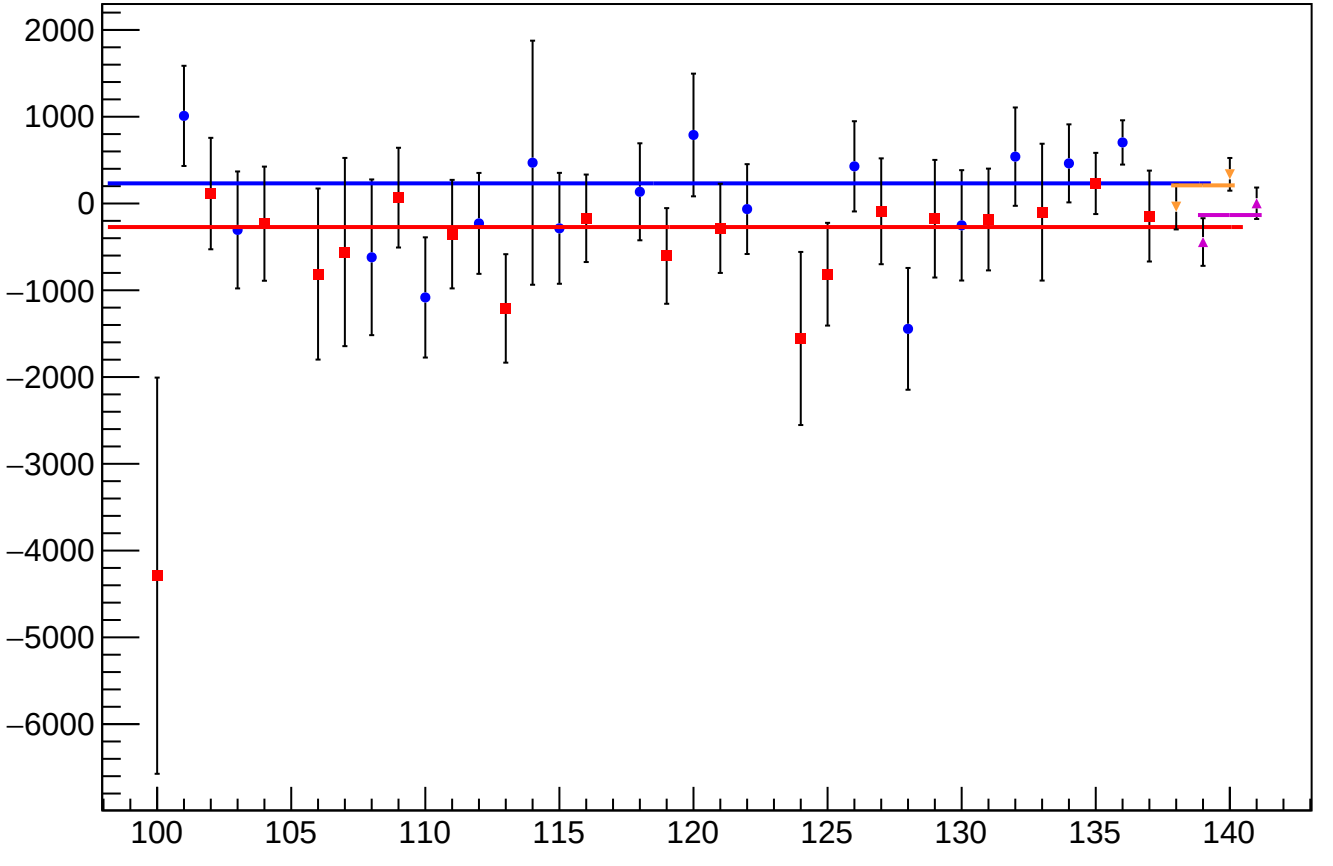
130
135
140
Right In: 26.227+/-0.007 χ²/NDF: 676029.5/15
Left Out: 22.717+/-0.013 χ²/NDF:2723.7/1
Right Out: 27.123+/-0.007 χ²/NDF: 745675.5/18
Left In: 21.127+/-0.011 χ²/NDF:14177.7/1
Left: 21.838+/-0.008 χ²/NDF: 25597.3/3
Right: 26.665+/-0.005 χ²/NDF: 1429493.5/34
In: 24.800+/-0.006 χ²/NDF:834338.9/17
Out: 26.035+/-0.006 χ²/NDF:839340.6/20
All: 25.391+/-0.004 χ²/NDF: 1693730.2/38

asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 209.035+/-152.995 χ^2/NDF:1.3/1

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -133.001+/-151.233 χ^2/NDF:1.8/1

Left: 36.037+/-107.556 χ^2/NDF: 5.7/3

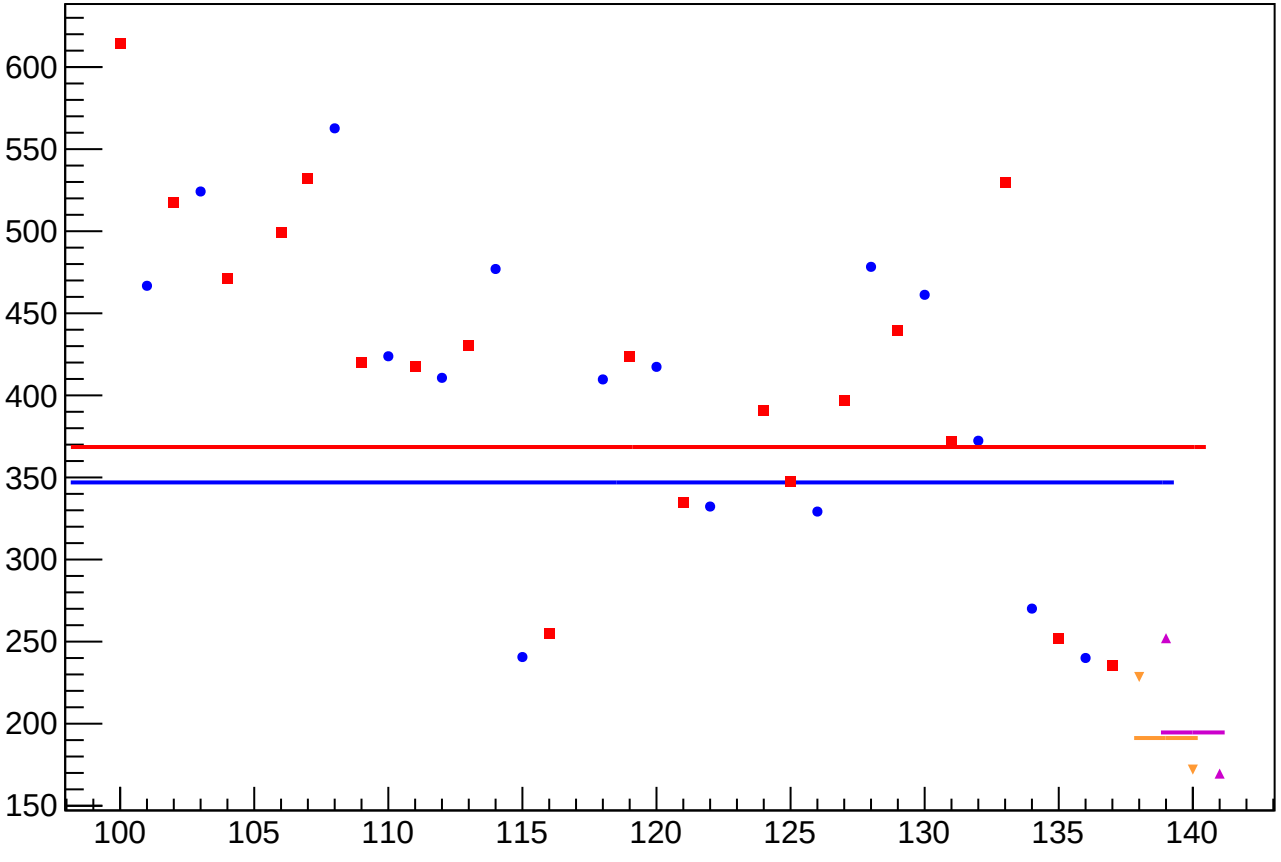
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 70.353+/-100.658 χ^2/NDF:24.7/17

Out: -52.145+/-103.357 χ^2/NDF:18.3/20

All: 10.724+/-72.111 χ^2/NDF: 43.8/38

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 191.268+/-0.108 χ^2/NDF:61138.7/1

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 194.663+/-0.107 χ^2/NDF:125836.6/1

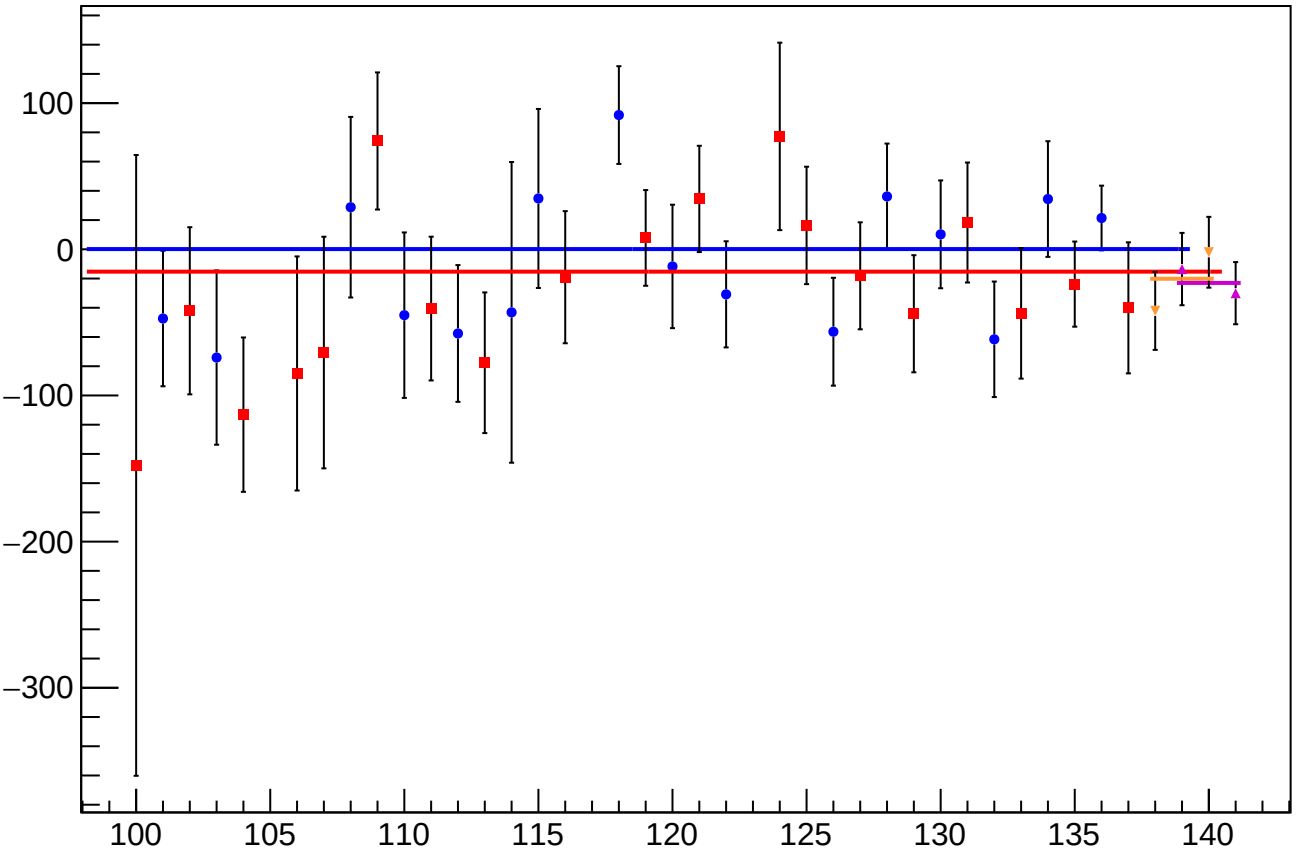
Left: 192.985+/-0.076 χ^2/NDF: 187473.4/3

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 279.498+/-0.071 χ^2/NDF:2313766.8/17

Out: 287.638+/-0.073 χ^2/NDF:2421068.9/20

All: 283.460+/-0.051 χ^2/NDF: 4741202.3/38



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -20.152+/-17.932 χ^2/NDF:1.2/1

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -23.008+/-16.124 χ^2/NDF:0.3/1

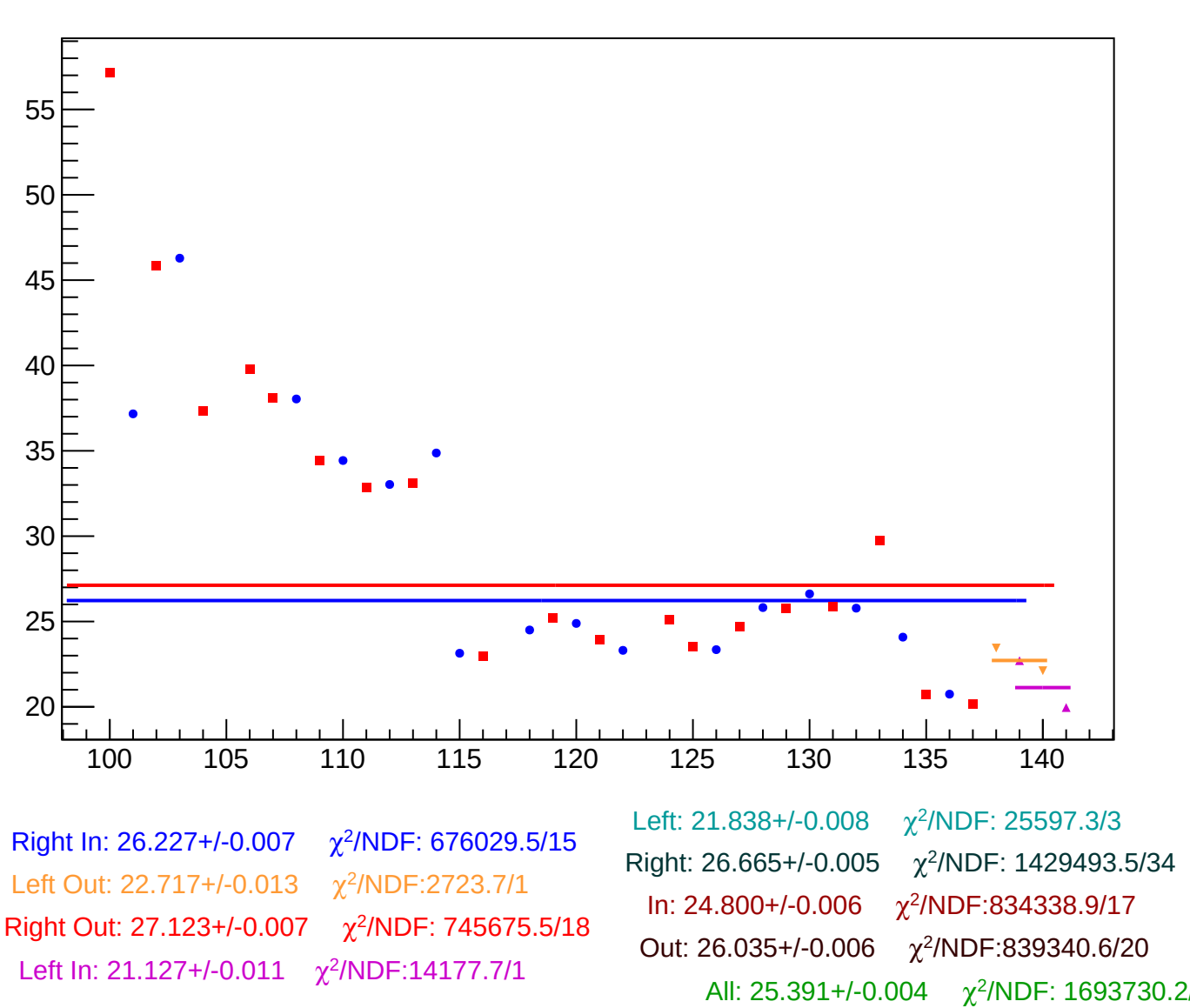
Left: -21.731+/-11.990 χ^2/NDF: 1.5/3

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.322+/-8.527 χ^2/NDF:23.1/17

Out: -16.492+/-8.911 χ^2/NDF:19.2/20

All: -11.184+/-6.161 χ^2/NDF: 43.0/38


eigen_cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected
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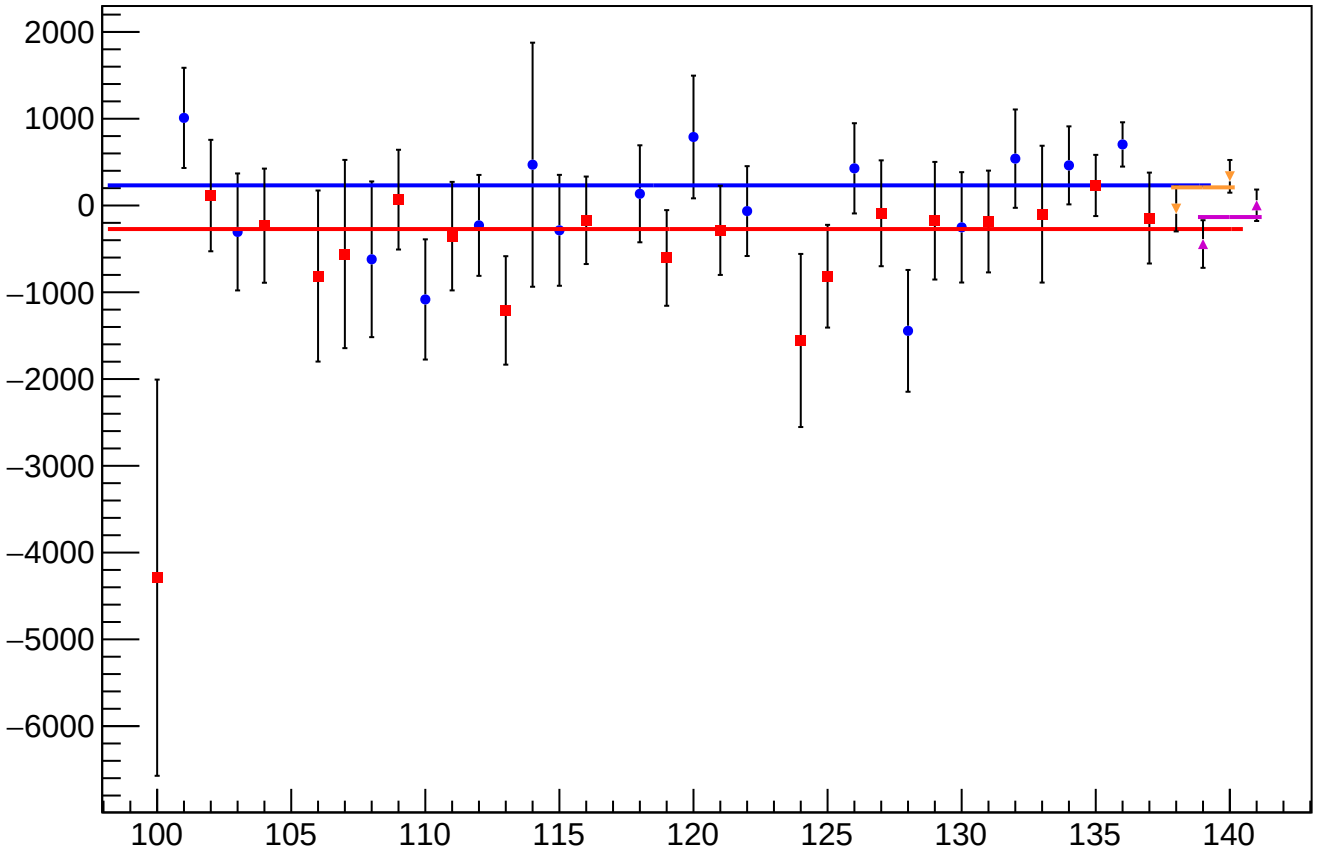
Right In: 26.227+/-0.007 χ²/NDF: 676029.5/15
Left Out: 22.717+/-0.013 χ²/NDF:2723.7/1
Right Out: 27.123+/-0.007 χ²/NDF: 745675.5/18
Left In: 21.127+/-0.011 χ²/NDF:14177.7/1
Left: 21.838+/-0.008 χ²/NDF: 25597.3/3
Right: 26.665+/-0.005 χ²/NDF: 1429493.5/34
In: 24.800+/-0.006 χ²/NDF:834338.9/17
Out: 26.035+/-0.006 χ²/NDF:839340.6/20
All: 25.391+/-0.004 χ²/NDF: 1693730.2/38



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 209.035+/-152.995 χ^2/NDF:1.3/1

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -133.001+/-151.233 χ^2/NDF:1.8/1

Left: 36.037+/-107.556 χ^2/NDF: 5.7/3

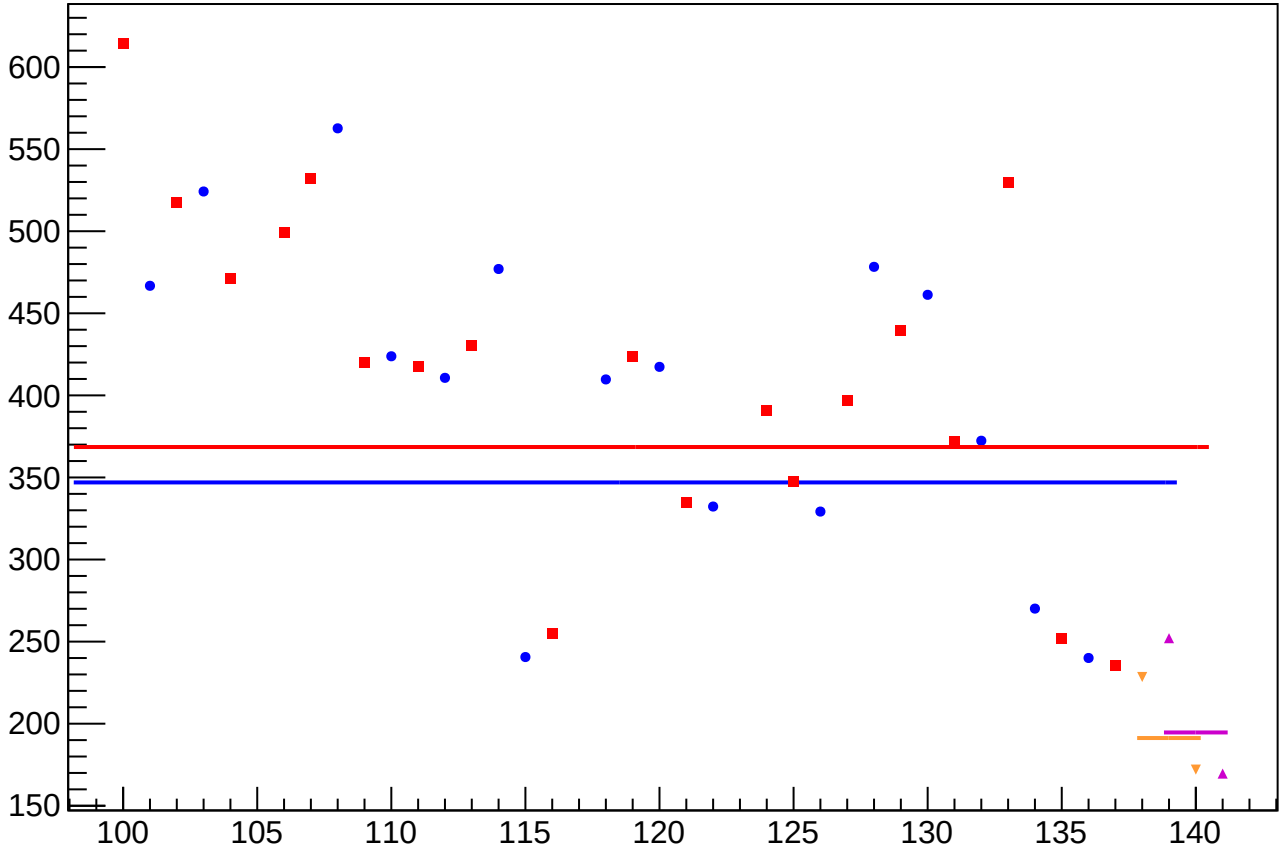
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 70.353+/-100.658 χ^2/NDF:24.7/17

Out: -52.145+/-103.357 χ^2/NDF:18.3/20

All: 10.724+/-72.111 χ^2/NDF: 43.8/38

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 191.268+/-0.108 χ^2/NDF:61138.7/1

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 194.663+/-0.107 χ^2/NDF:125836.6/1

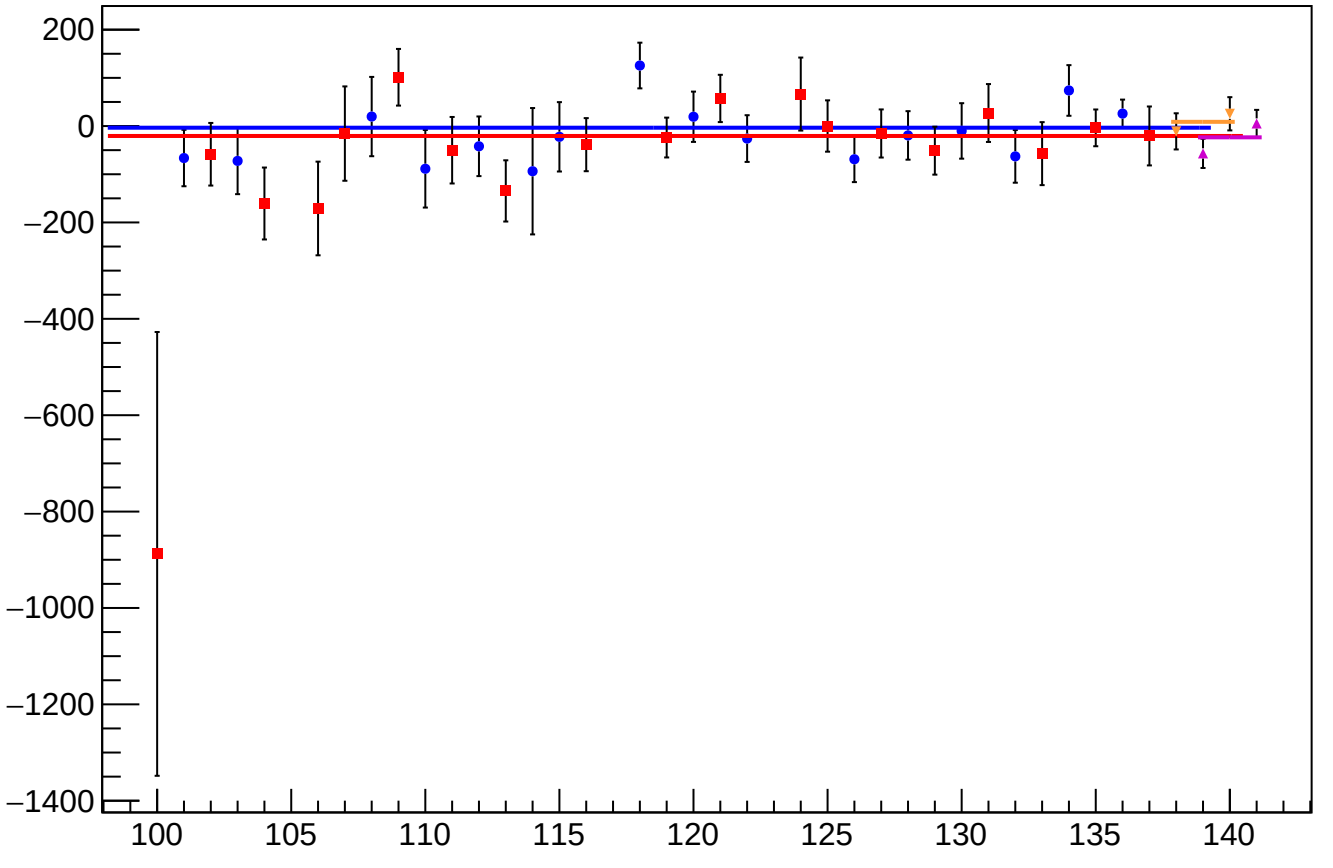
Left: 192.985+/-0.076 χ^2/NDF: 187473.4/3

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 279.498+/-0.071 χ^2/NDF:2313766.8/17

Out: 287.638+/-0.073 χ^2/NDF:2421068.9/20

All: 283.460+/-0.051 χ^2/NDF: 4741202.3/38



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.771+/-25.389 χ^2/NDF:0.5/1

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -23.401+/-20.636 χ^2/NDF:2.3/1

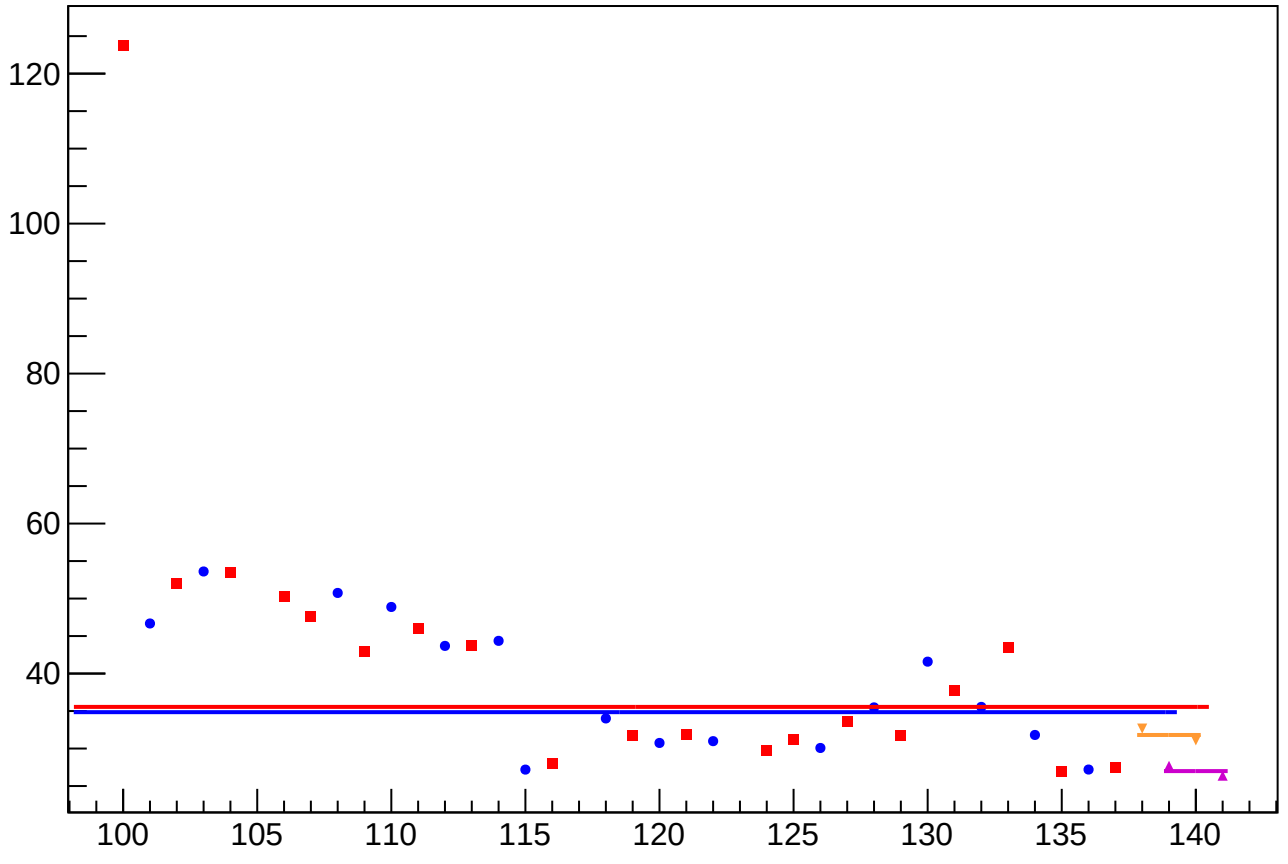
Left: -10.602+/-16.014 χ^2/NDF: 3.7/3

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.344+/-11.234 χ^2/NDF:21.4/17

Out: -14.121+/-11.902 χ^2/NDF:24.7/20

All: -11.595+/-8.170 χ^2/NDF: 46.2/38



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 31.809+/-0.018 χ^2/NDF:1898.1/1

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.992+/-0.015 χ^2/NDF:2002.2/1

Left: 28.908+/-0.011 χ^2/NDF: 47241.2/3

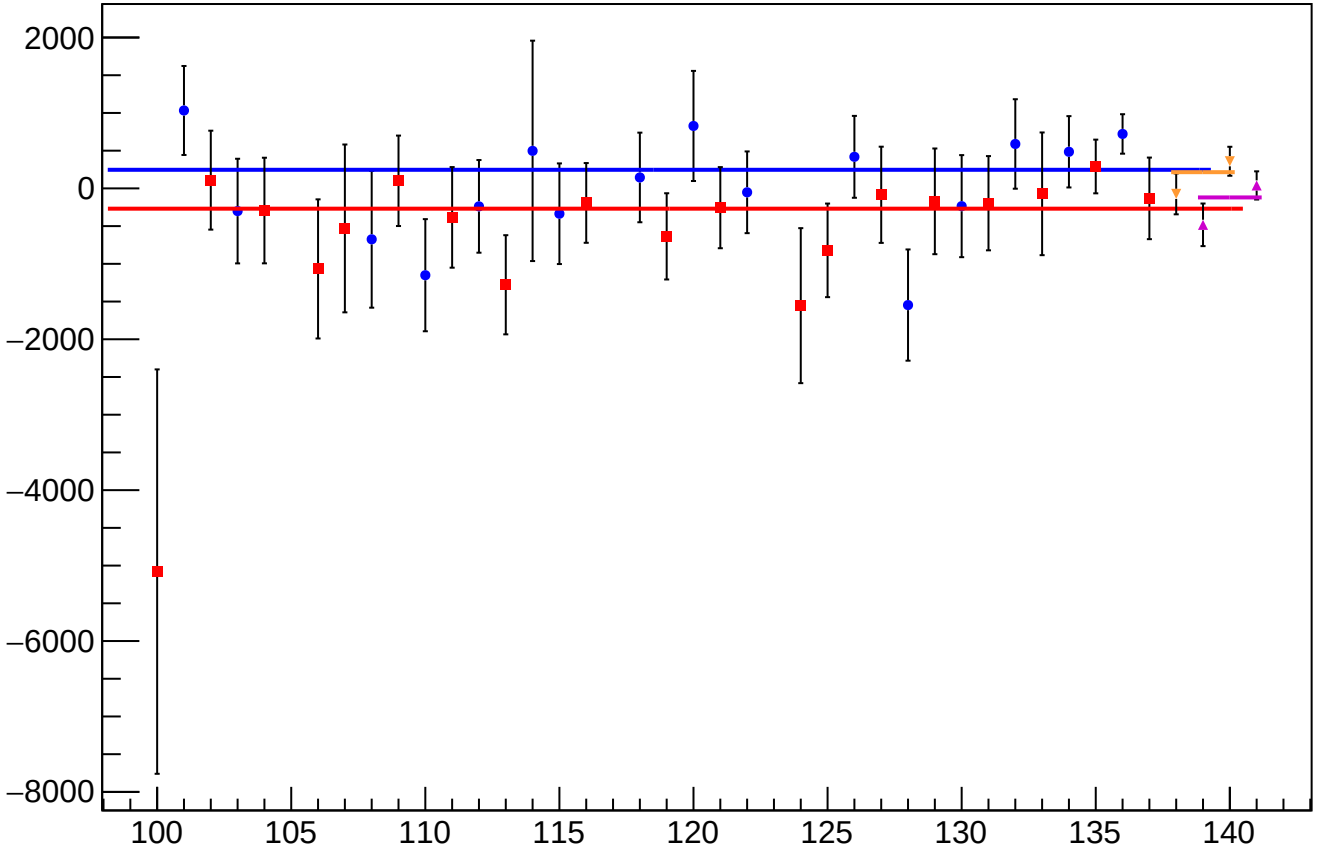
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 32.522+/-0.008 χ^2/NDF:864205.8/17

Out: 34.730+/-0.008 χ^2/NDF:815716.3/20

All: 33.562+/-0.006 χ^2/NDF: 1716334.1/38

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 214.979+/-156.637 χ^2/NDF:1.7/1

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -119.905+/-155.842 χ^2/NDF:2.4/1

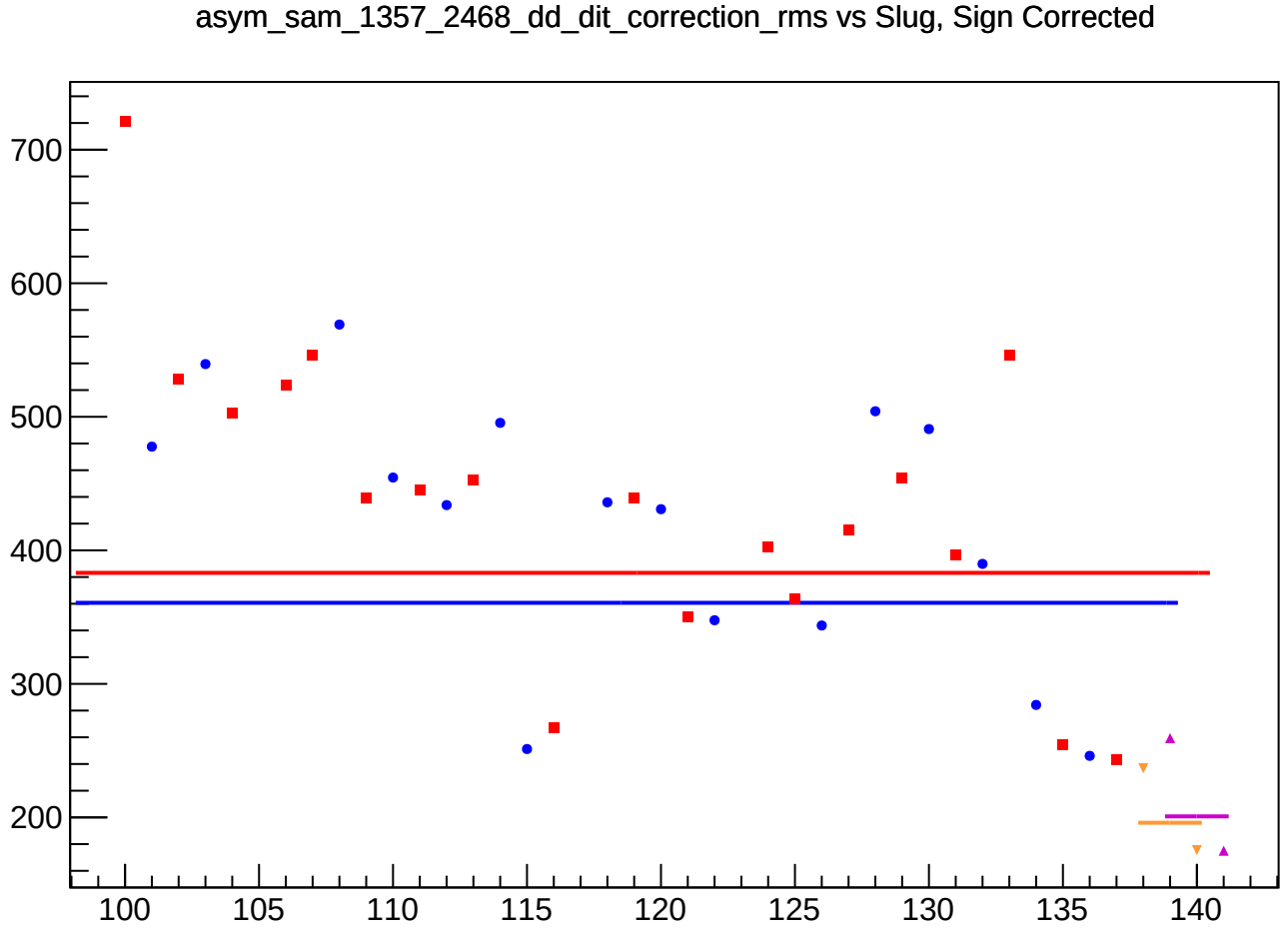
Left: 46.685+/-110.477 χ^2/NDF: 6.4/3

Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 82.510+/-104.260 χ^2/NDF:25.2/17

Out: -45.117+/-106.523 χ^2/NDF:19.5/20

All: 20.067+/-74.510 χ^2/NDF: 45.4/38



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 196.003+/-0.111 χ^2/NDF:68093.6/1

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 200.763+/-0.110 χ^2/NDF:124120.6/1

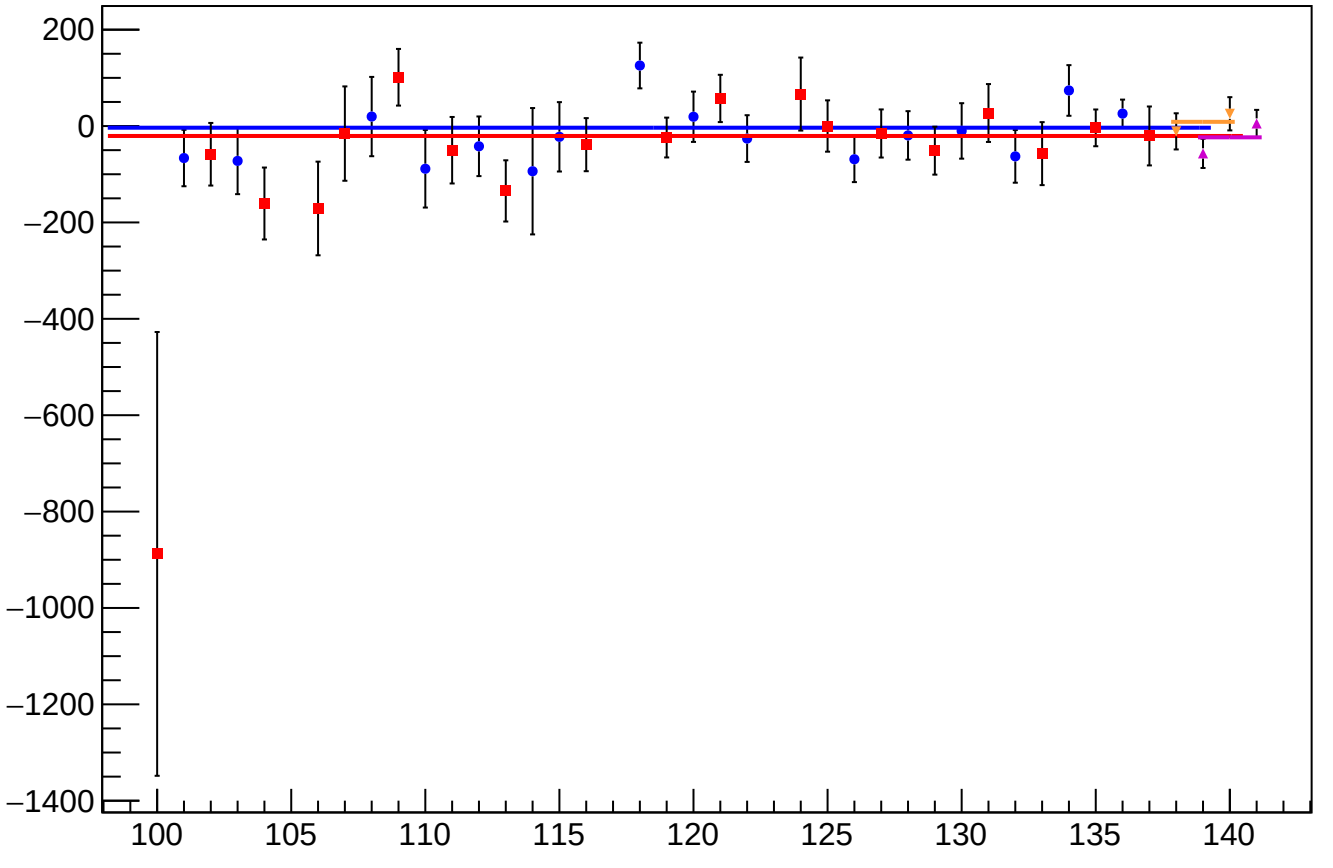
Left: 198.395+/-0.078 χ^2/NDF: 193142.4/3

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 289.112+/-0.074 χ^2/NDF:2380447.7/17

Out: 296.587+/-0.075 χ^2/NDF:2565512.2/20

All: 292.769+/-0.053 χ^2/NDF: 4950989.2/38



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.771+/-25.389 χ^2/NDF:0.5/1

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -23.399+/-20.636 χ^2/NDF:2.3/1

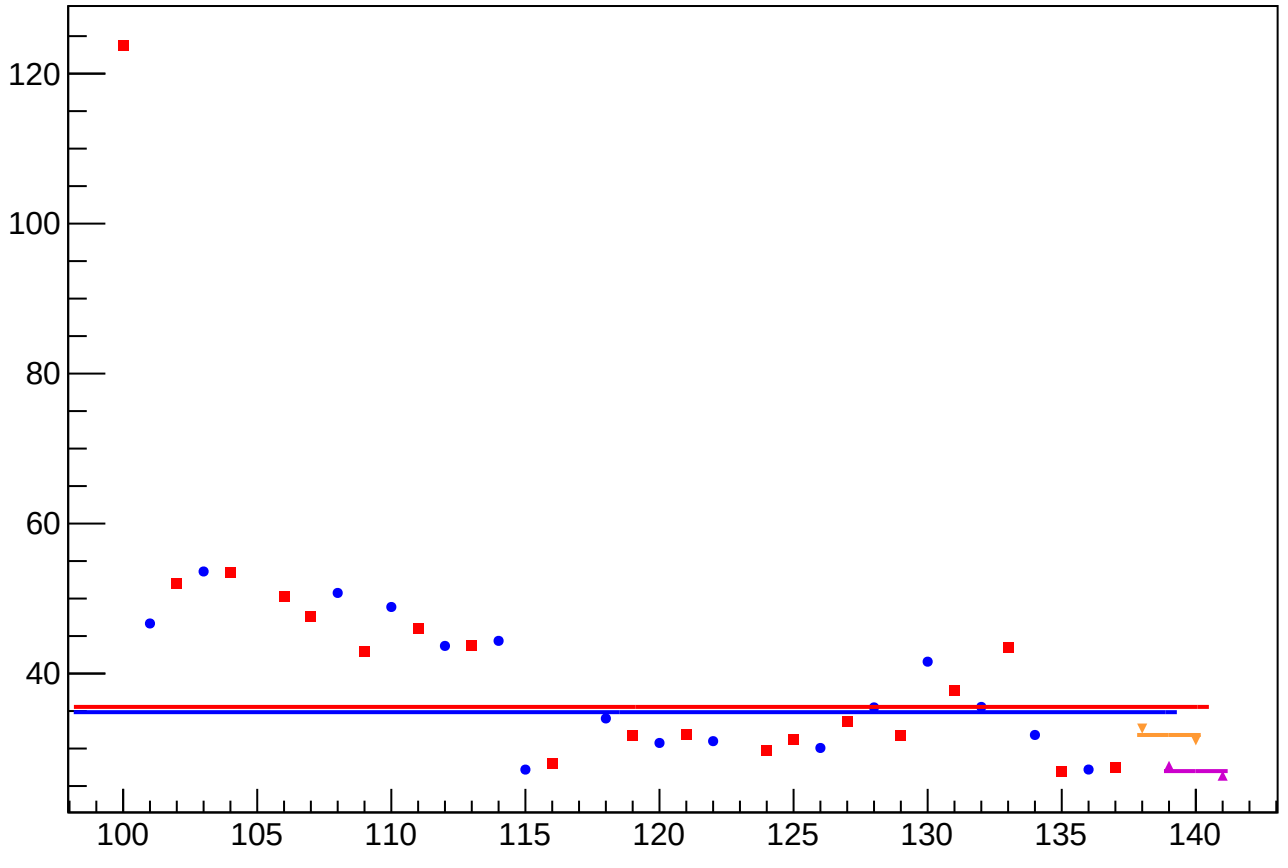
Left: -10.601+/-16.014 χ^2/NDF: 3.7/3

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.344+/-11.234 χ^2/NDF:21.4/17

Out: -14.121+/-11.902 χ^2/NDF:24.7/20

All: -11.595+/-8.170 χ^2/NDF: 46.2/38



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 31.808+/-0.018 χ^2/NDF:1896.6/1

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.992+/-0.015 χ^2/NDF:2000.4/1

Left: 28.908+/-0.011 χ^2/NDF: 47238.1/3

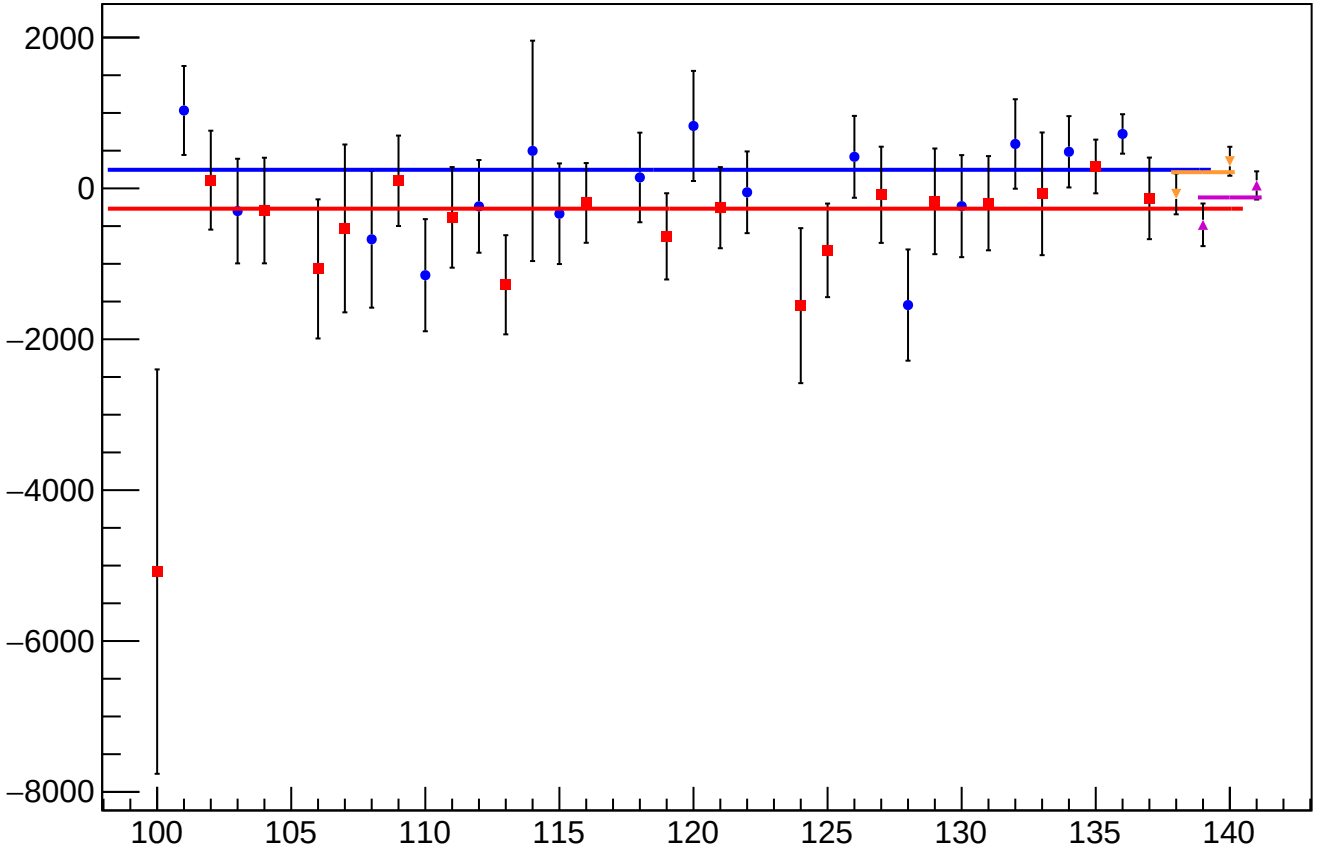
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 32.521+/-0.008 χ^2/NDF:864143.6/17

Out: 34.730+/-0.008 χ^2/NDF:815682.3/20

All: 33.562+/-0.006 χ^2/NDF: 1716240.0/38

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 214.978+/-156.636 χ^2/NDF:1.7/1

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -119.906+/-155.841 χ^2/NDF:2.4/1

Left: 46.684+/-110.476 χ^2/NDF: 6.4/3

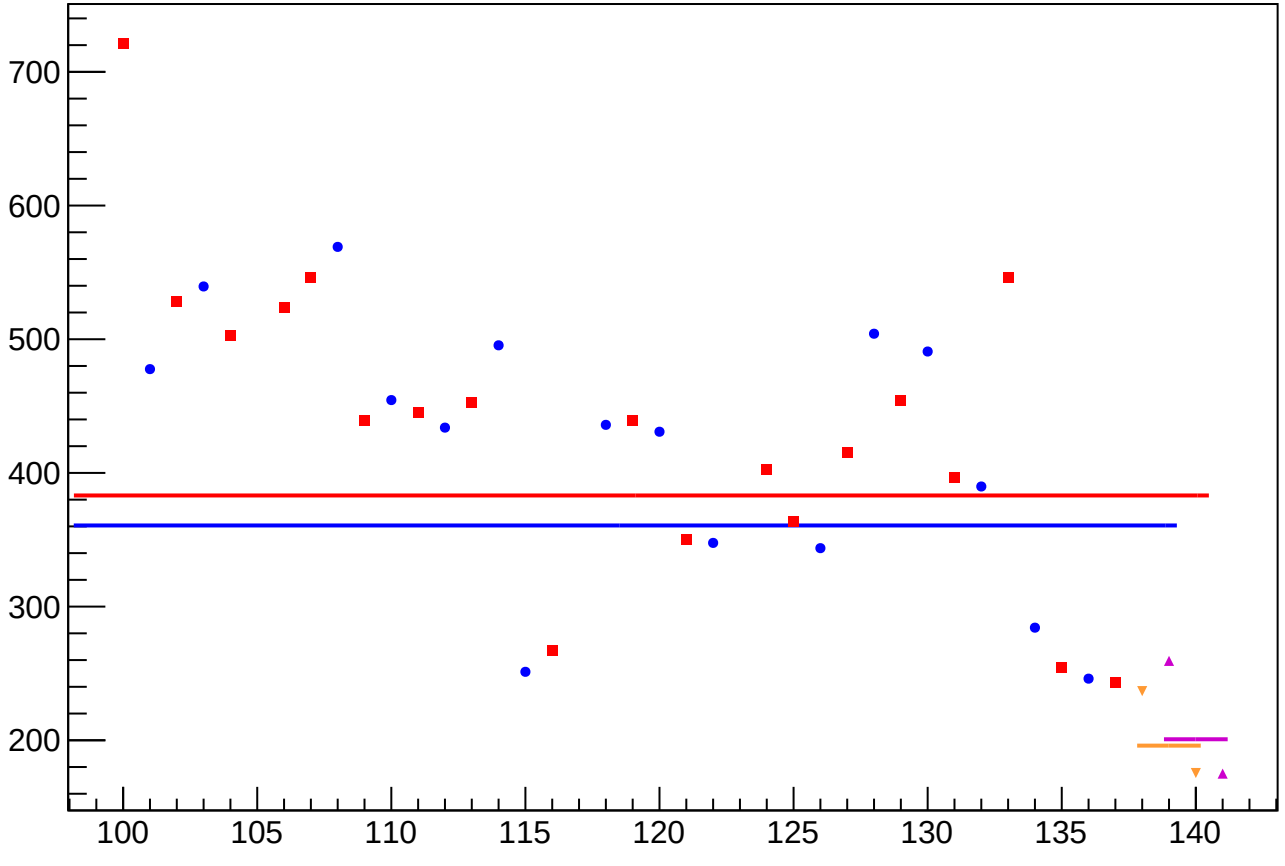
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 82.508+/-104.259 χ^2/NDF:25.2/17

Out: -45.117+/-106.523 χ^2/NDF:19.5/20

All: 20.066+/-74.510 χ^2/NDF: 45.4/38

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 196.002+/-0.111 χ^2/NDF:68090.2/1

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 200.762+/-0.110 χ^2/NDF:124118.1/1

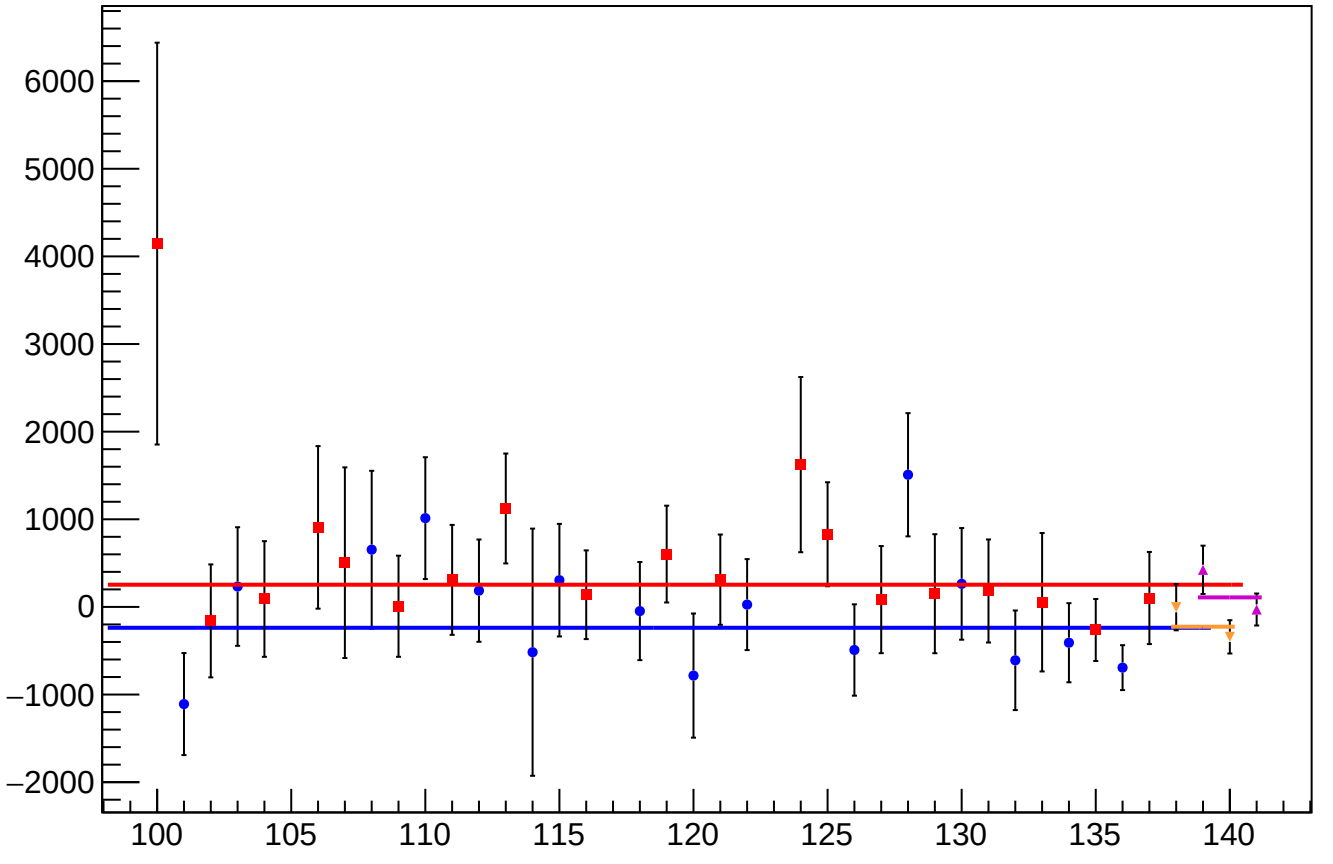
Left: 198.394+/-0.078 χ^2/NDF: 193136.4/3

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 289.111+/-0.074 χ^2/NDF:2380446.6/17

Out: 296.585+/-0.075 χ^2/NDF:2565522.2/20

All: 292.768+/-0.053 χ^2/NDF: 4950997.7/38



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -225.792+/-154.138 χ^2/NDF:1.1/1

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 108.610+/-152.165 χ^2/NDF:1.9/1

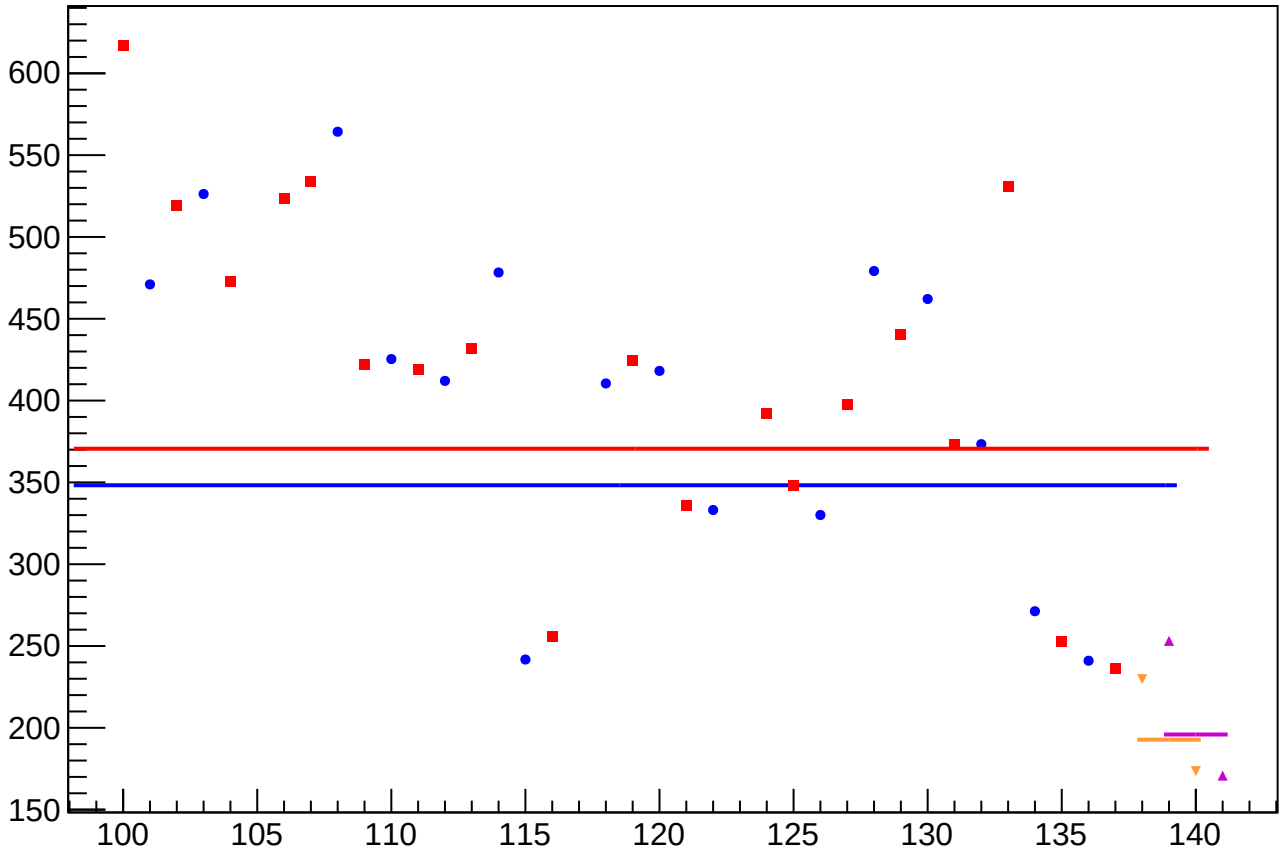
Left: -56.437+/-108.288 χ^2/NDF: 5.3/3

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -84.923+/-101.131 χ^2/NDF:24.7/17

Out: 36.108+/-103.801 χ^2/NDF:18.1/20

All: -25.984+/-72.436 χ^2/NDF: 43.5/38



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 192.758+/-0.109 χ^2/NDF:59913.9/1

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 195.924+/-0.108 χ^2/NDF:124124.4/1

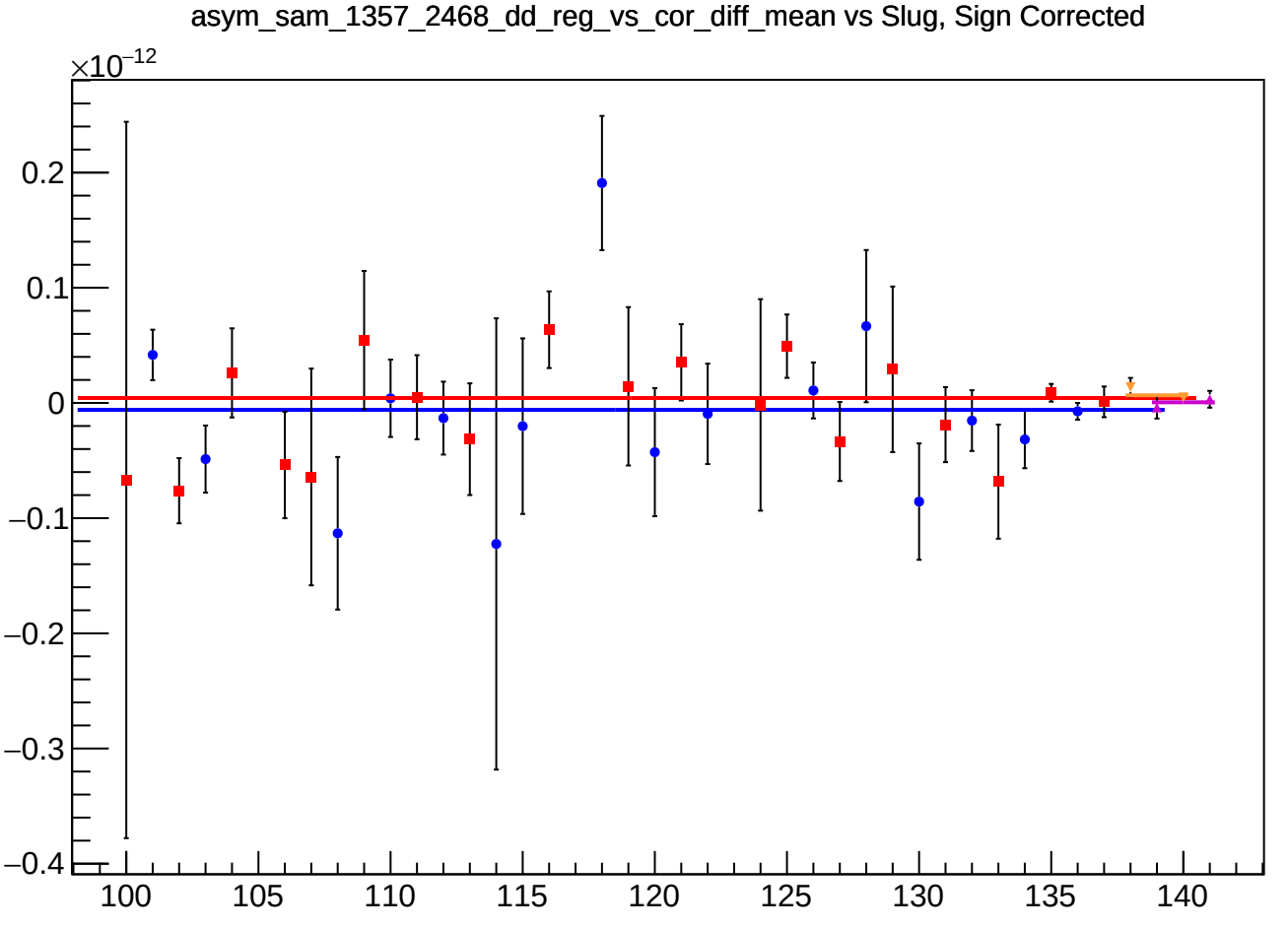
Left: 194.361+/-0.077 χ^2/NDF: 184465.6/3

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 280.968+/-0.072 χ^2/NDF:2299918.1/17

Out: 289.939+/-0.073 χ^2/NDF:2432585.4/20

All: 285.337+/-0.051 χ^2/NDF: 4740168.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/1

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

Left: 0.000+/-0.000 χ^2/NDF: 2.1/3

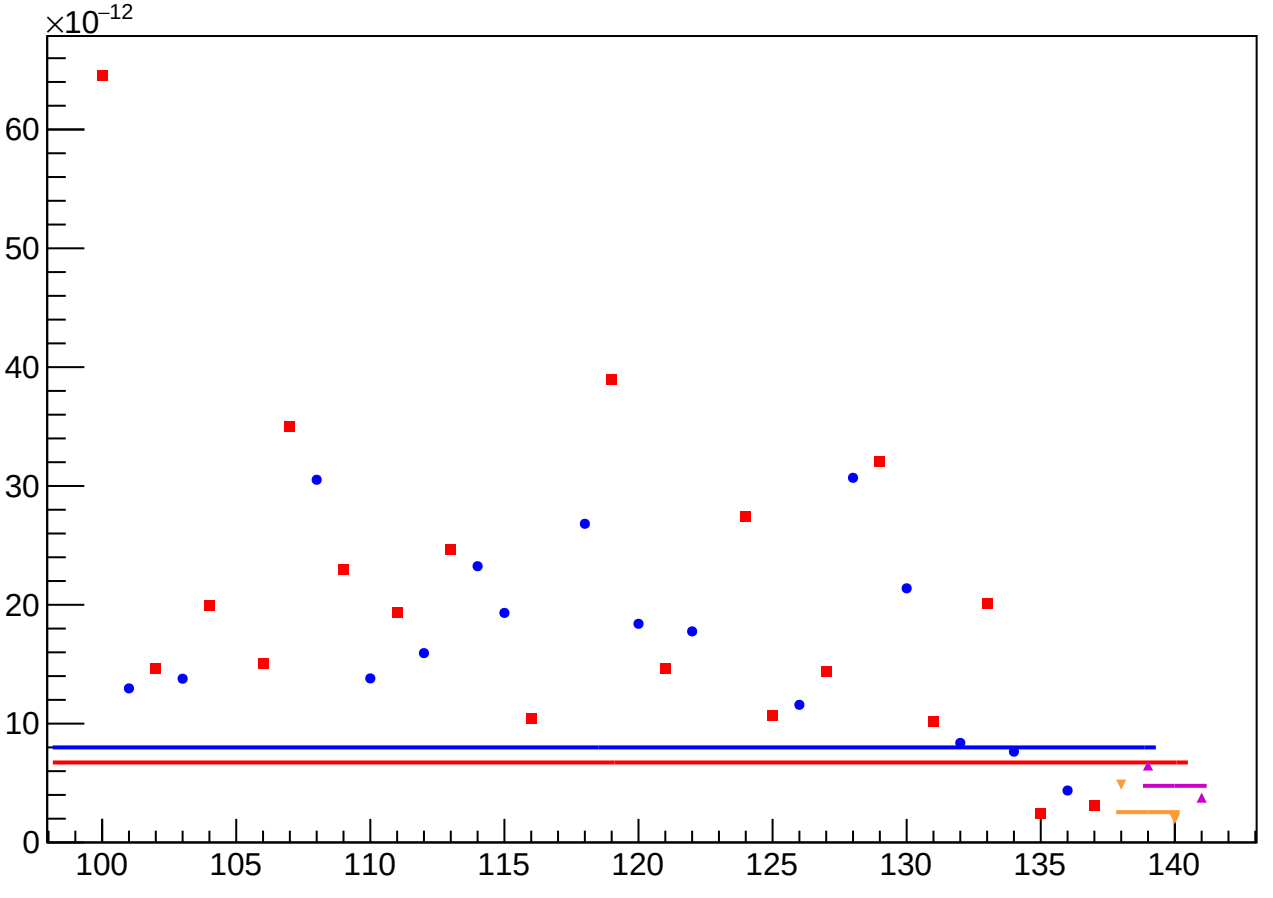
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:28.3/17

Out: 0.000+/-0.000 χ^2/NDF:24.1/20

All: 0.000+/-0.000 χ^2/NDF: 55.3/38

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:206985.8/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:100674.8/1

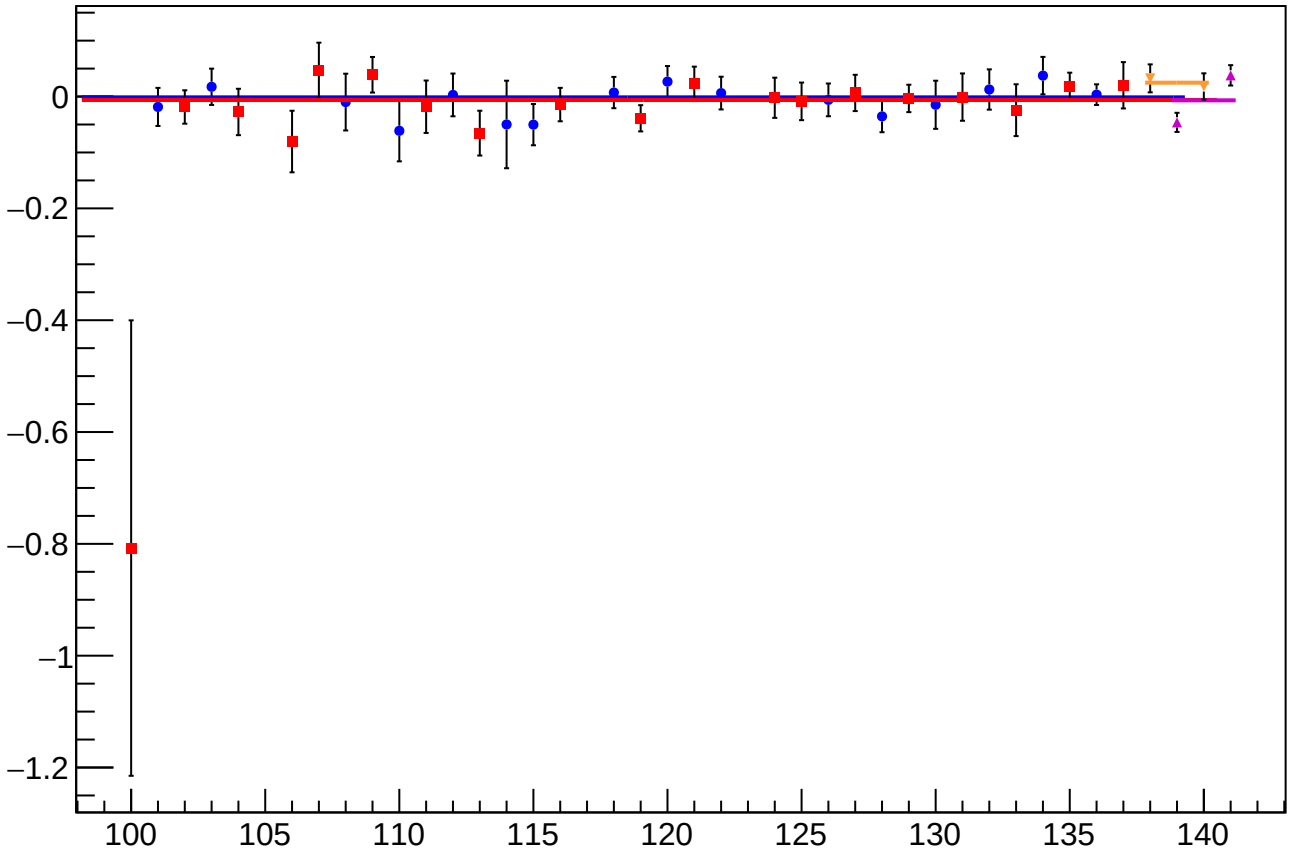
Left: 0.000+/-0.000 χ^2/NDF: 516728.2/3

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:2366777.3/17

Out: 0.000+/-0.000 χ^2/NDF:4380130.4/20

All: 0.000+/-0.000 χ^2/NDF: 7280409.8/38



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.007+/-0.012 χ^2/NDF:11.3/1

Left: 0.004+/-0.010 χ^2/NDF: 13.7/3

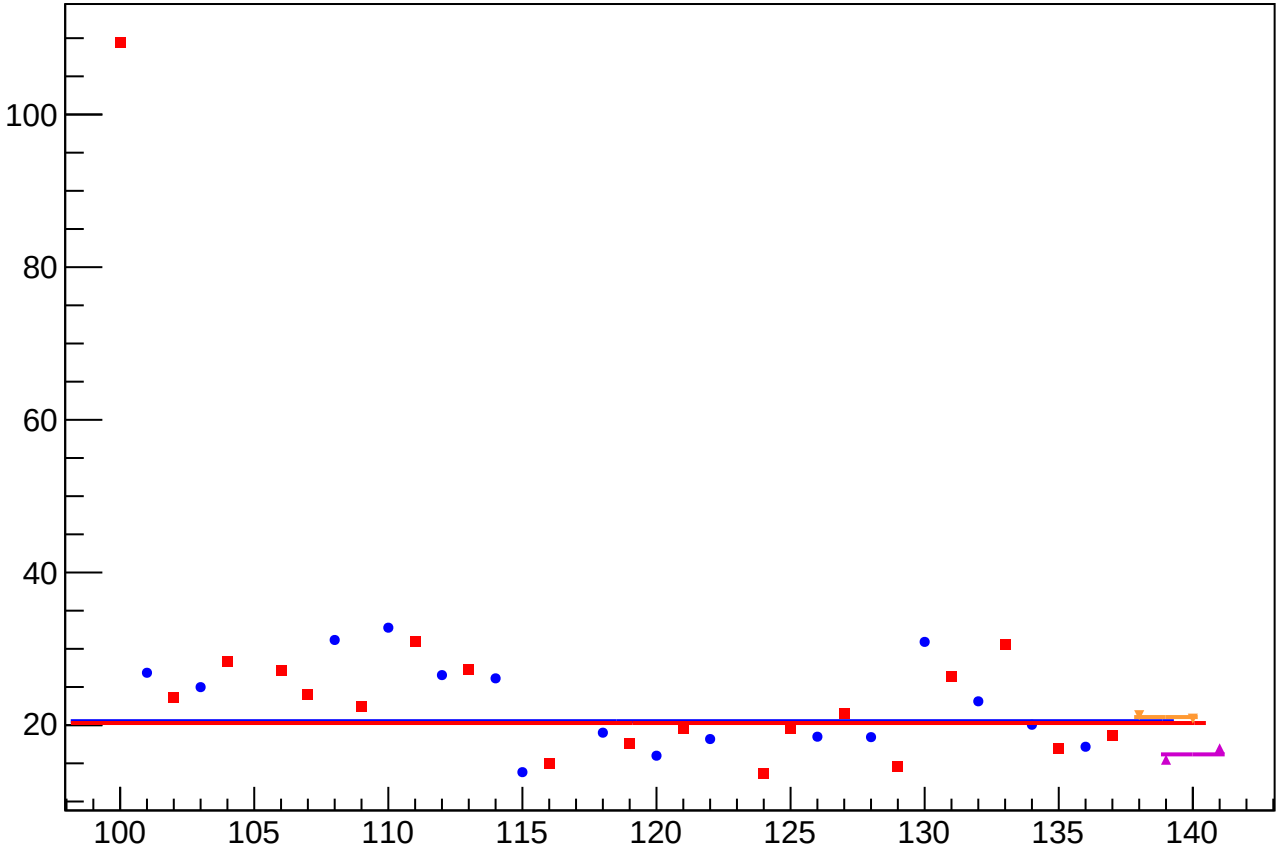
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.007 χ^2/NDF:19.7/17

Out: -0.001+/-0.007 χ^2/NDF:19.1/20

All: -0.002+/-0.005 χ^2/NDF: 38.9/38

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 21.063+/-0.012 χ^2/NDF:347.9/1

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.174+/-0.009 χ^2/NDF:7084.9/1

Left: 17.864+/-0.007 χ^2/NDF: 113762.0/3

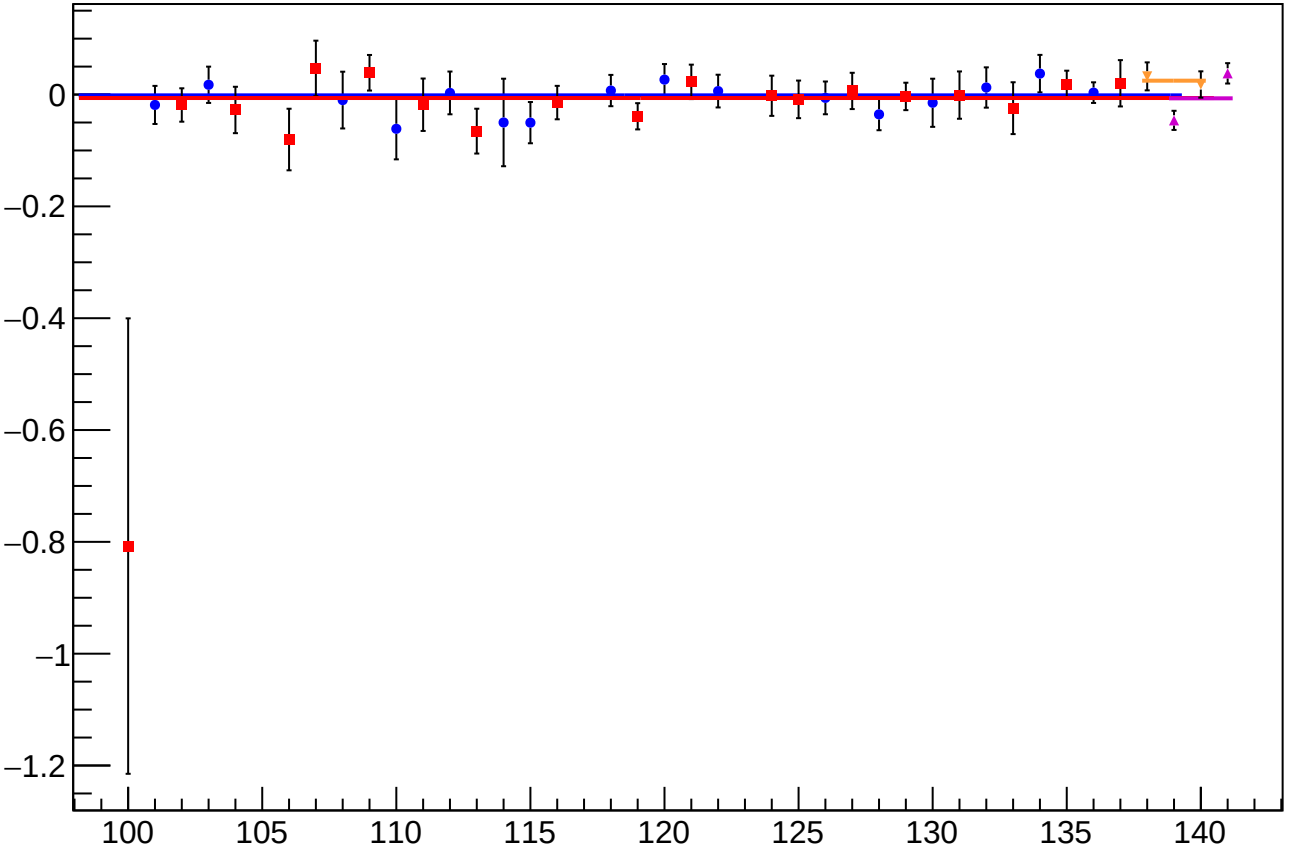
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 19.240+/-0.005 χ^2/NDF:884631.9/17

Out: 20.418+/-0.005 χ^2/NDF:868126.9/20

All: 19.796+/-0.003 χ^2/NDF: 1781331.8/38

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.007+/-0.012 χ^2/NDF:11.3/1

Left: 0.004+/-0.010 χ^2/NDF: 13.7/3

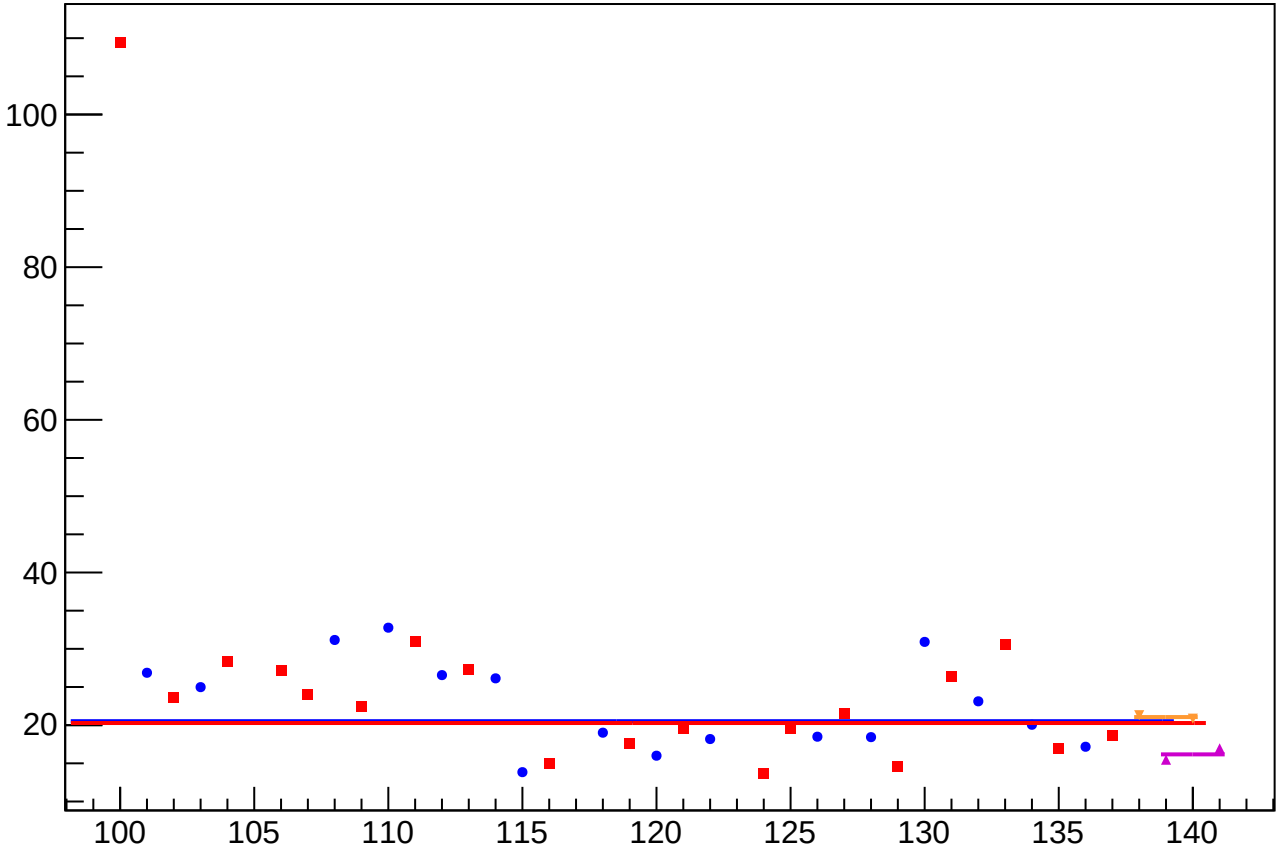
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.007 χ^2/NDF:19.7/17

Out: -0.001+/-0.007 χ^2/NDF:19.1/20

All: -0.002+/-0.005 χ^2/NDF: 38.9/38

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 21.063+/-0.012 χ^2/NDF:347.9/1

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.174+/-0.009 χ^2/NDF:7084.9/1

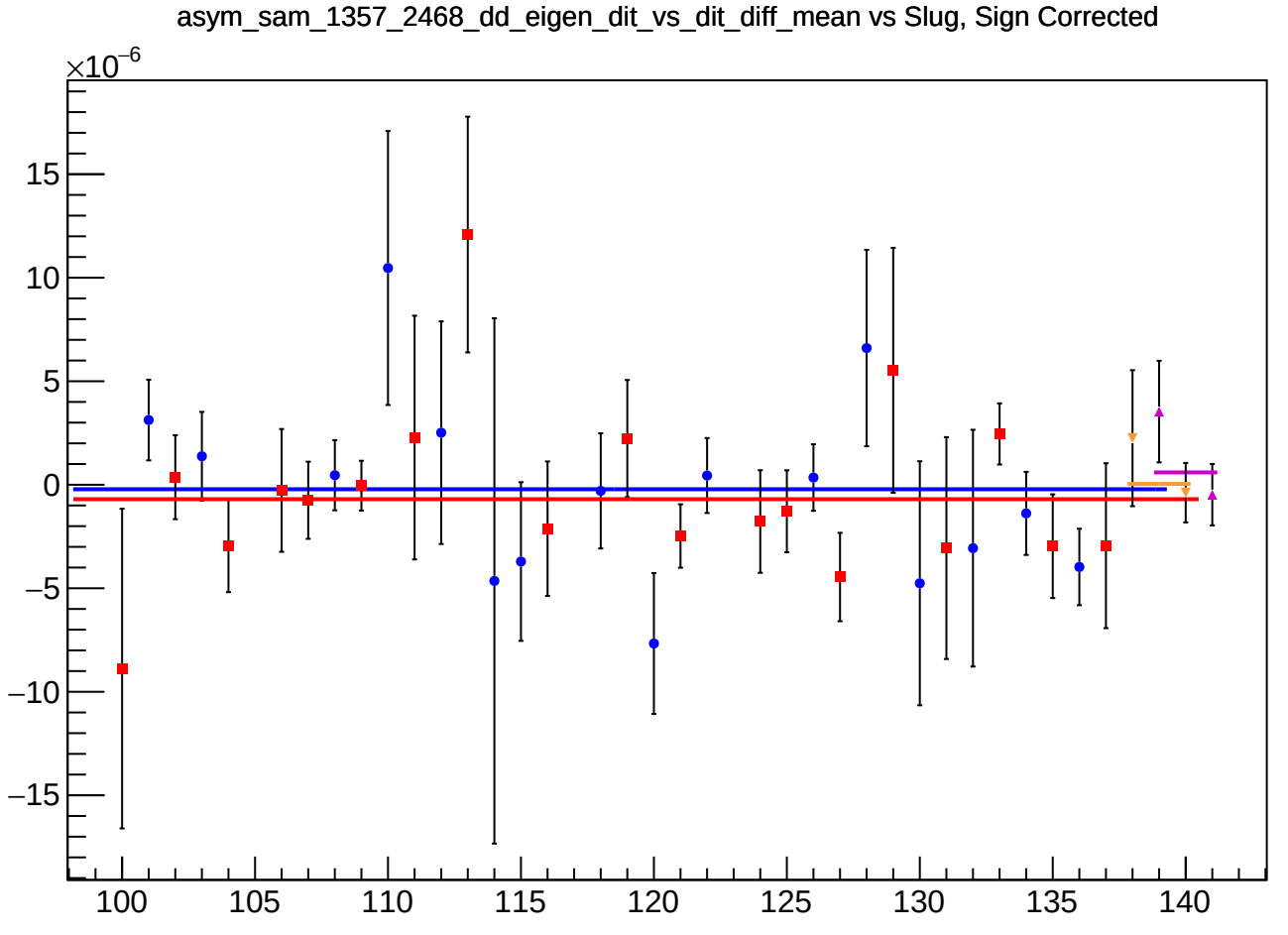
Left: 17.864+/-0.007 χ^2/NDF: 113762.0/3

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 19.240+/-0.005 χ^2/NDF:884631.9/17

Out: 20.418+/-0.005 χ^2/NDF:868126.9/20

All: 19.796+/-0.003 χ^2/NDF: 1781331.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/1

Left: 0.000+/-0.000 χ^2/NDF: 2.6/3

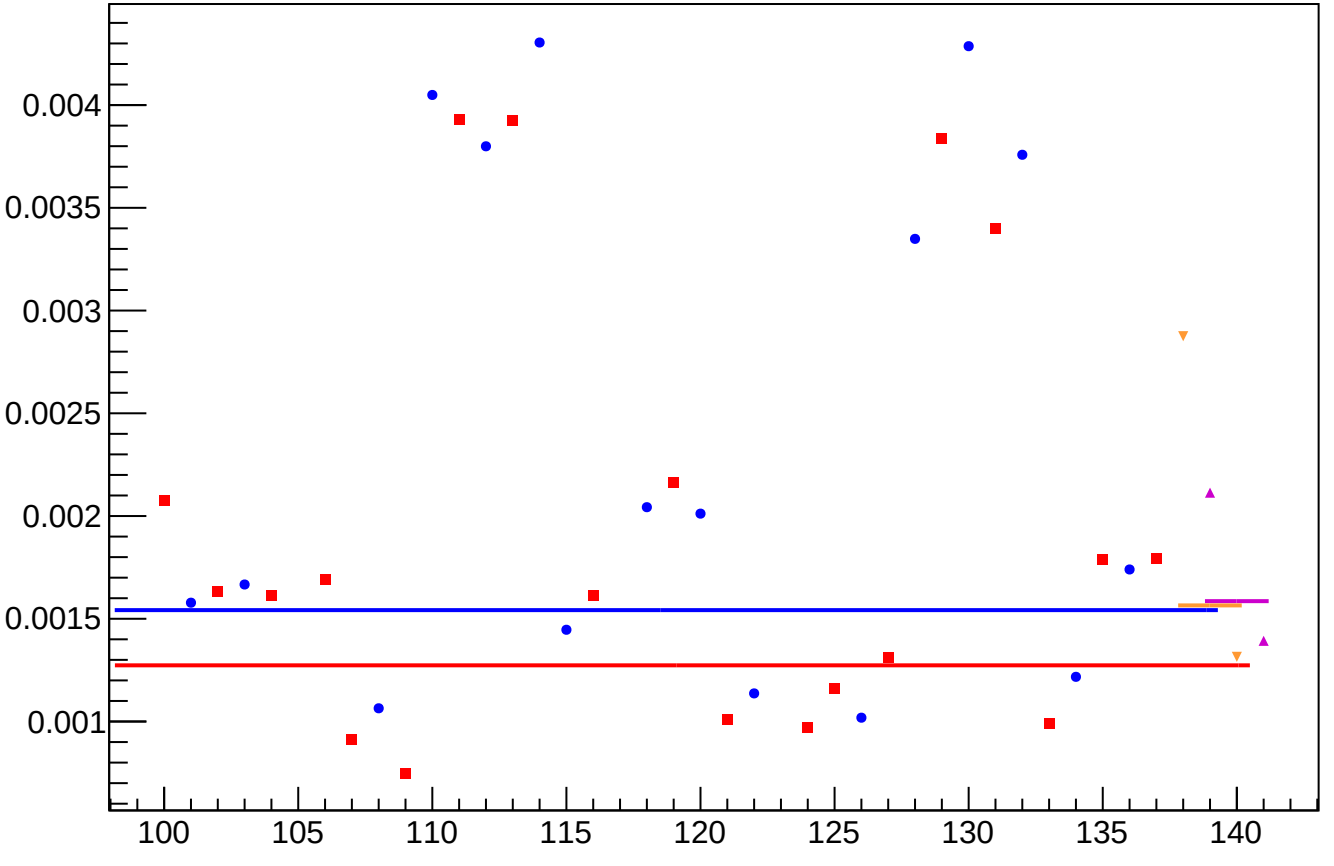
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:22.2/17

Out: -0.000+/-0.000 χ^2/NDF:21.8/20

All: -0.000+/-0.000 χ^2/NDF: 44.5/38

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:378797.0/1

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.002+/-0.000 χ^2/NDF:126464.5/1

Left: 0.002+/-0.000 χ^2/NDF: 505518.2/3

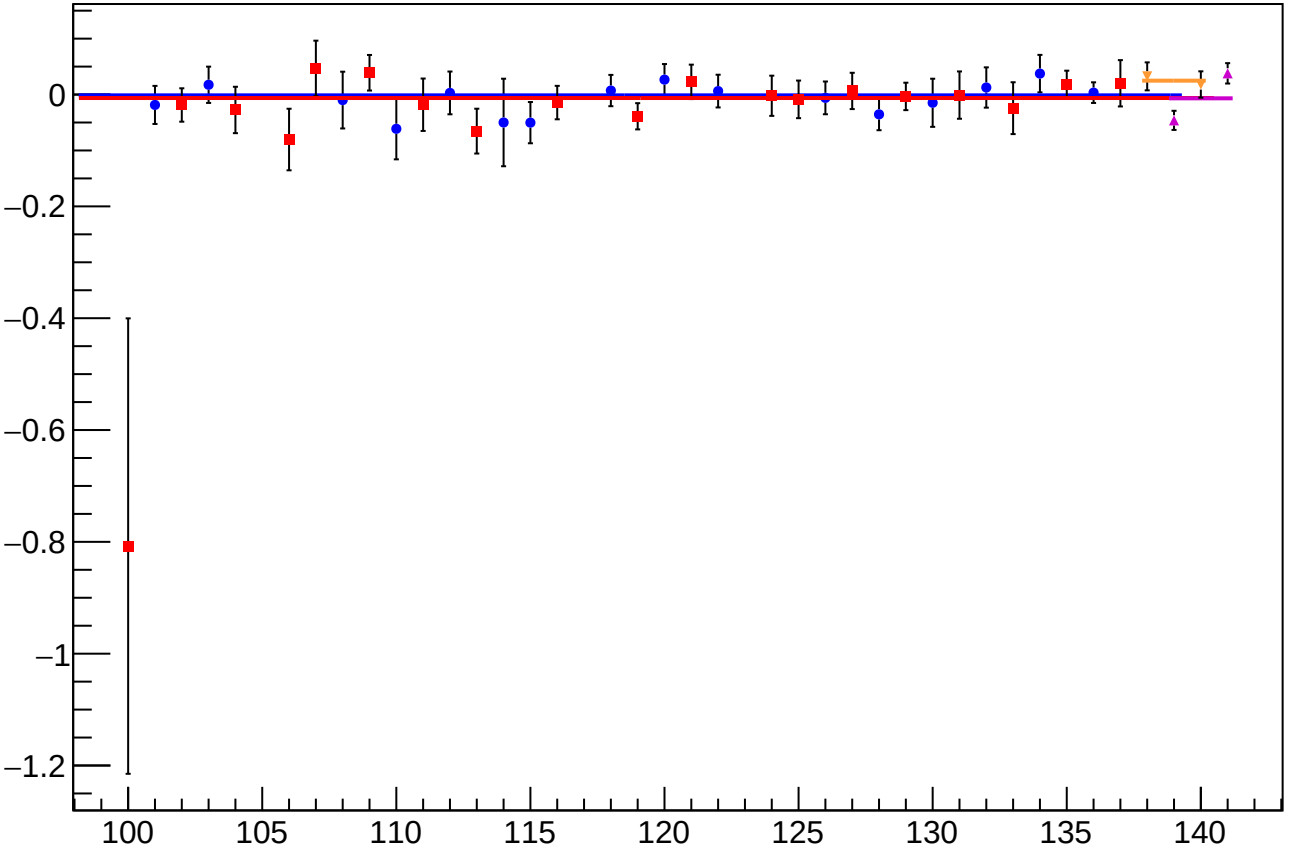
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.002+/-0.000 χ^2/NDF:2545170.3/17

Out: 0.001+/-0.000 χ^2/NDF:3131050.8/20

All: 0.001+/-0.000 χ^2/NDF: 5878874.3/38

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.007+/-0.012 χ^2/NDF:11.3/1

Left: 0.004+/-0.010 χ^2/NDF: 13.7/3

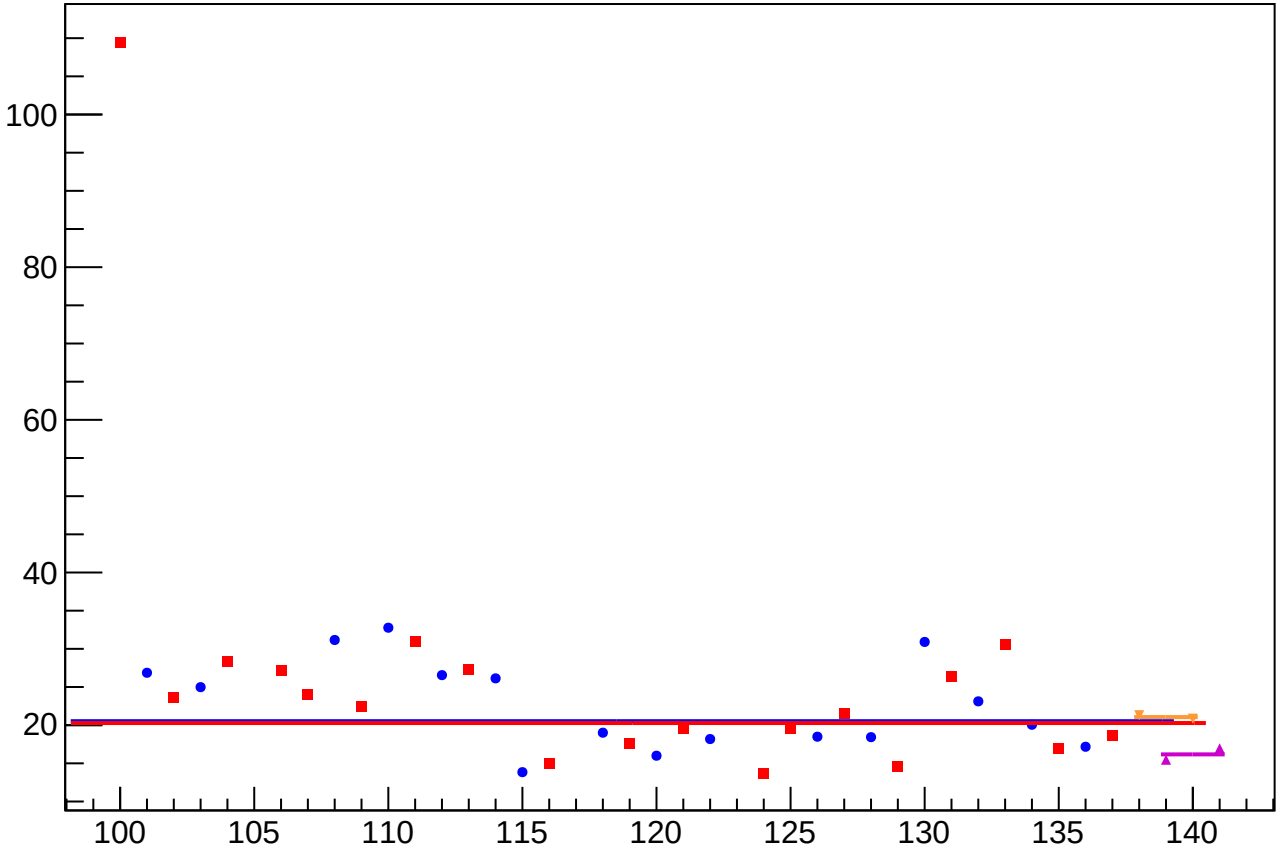
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.007 χ^2/NDF:19.7/17

Out: -0.001+/-0.007 χ^2/NDF:19.1/20

All: -0.002+/-0.005 χ^2/NDF: 38.9/38

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 21.062+/-0.012 χ^2/NDF:346.1/1

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.174+/-0.009 χ^2/NDF:7095.8/1

Left: 17.863+/-0.007 χ^2/NDF: 113780.8/3

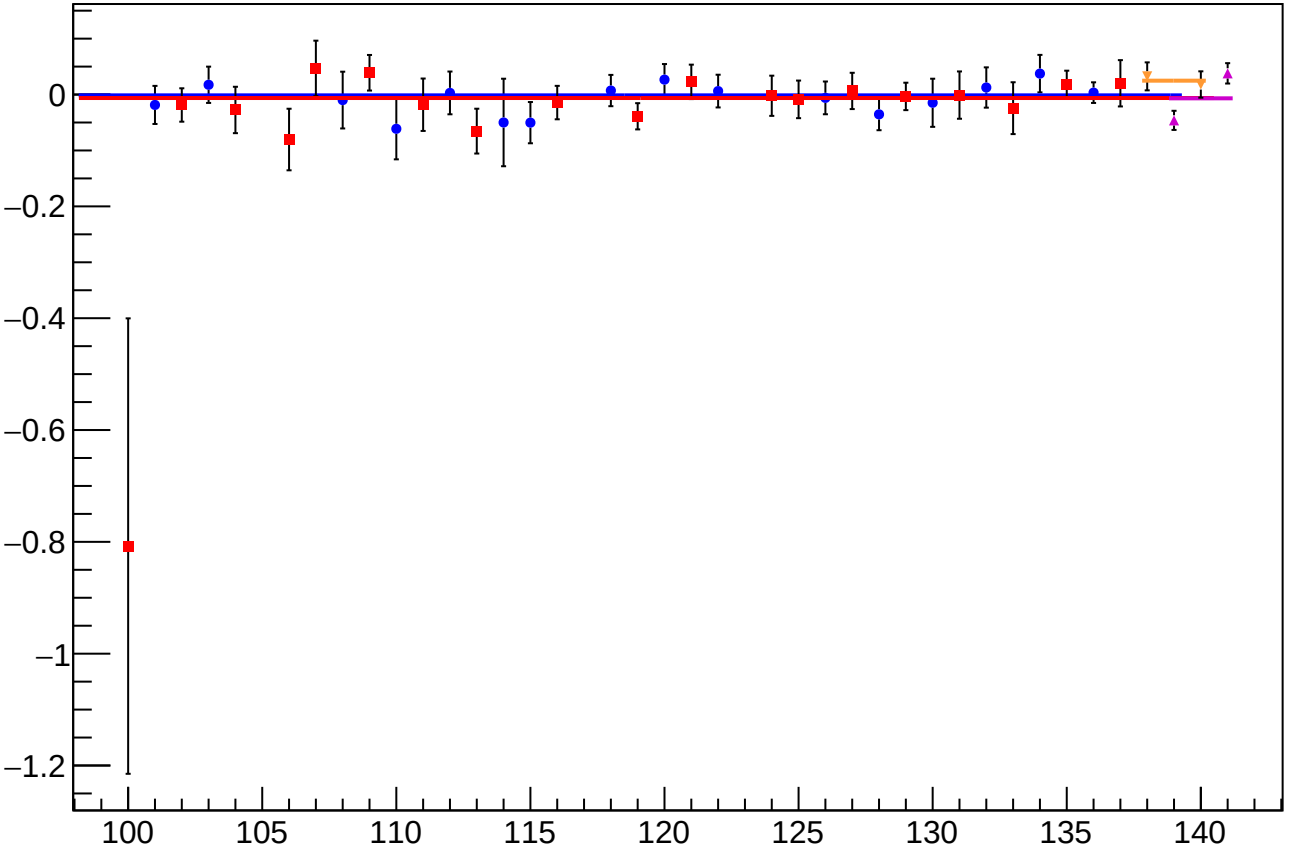
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 19.239+/-0.005 χ^2/NDF:884530.6/17

Out: 20.417+/-0.005 χ^2/NDF:868136.2/20

All: 19.795+/-0.003 χ^2/NDF: 1781236.7/38

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.025+/-0.017 χ^2/NDF:0.2/1

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.007+/-0.012 χ^2/NDF:11.3/1

Left: 0.004+/-0.010 χ^2/NDF: 13.7/3

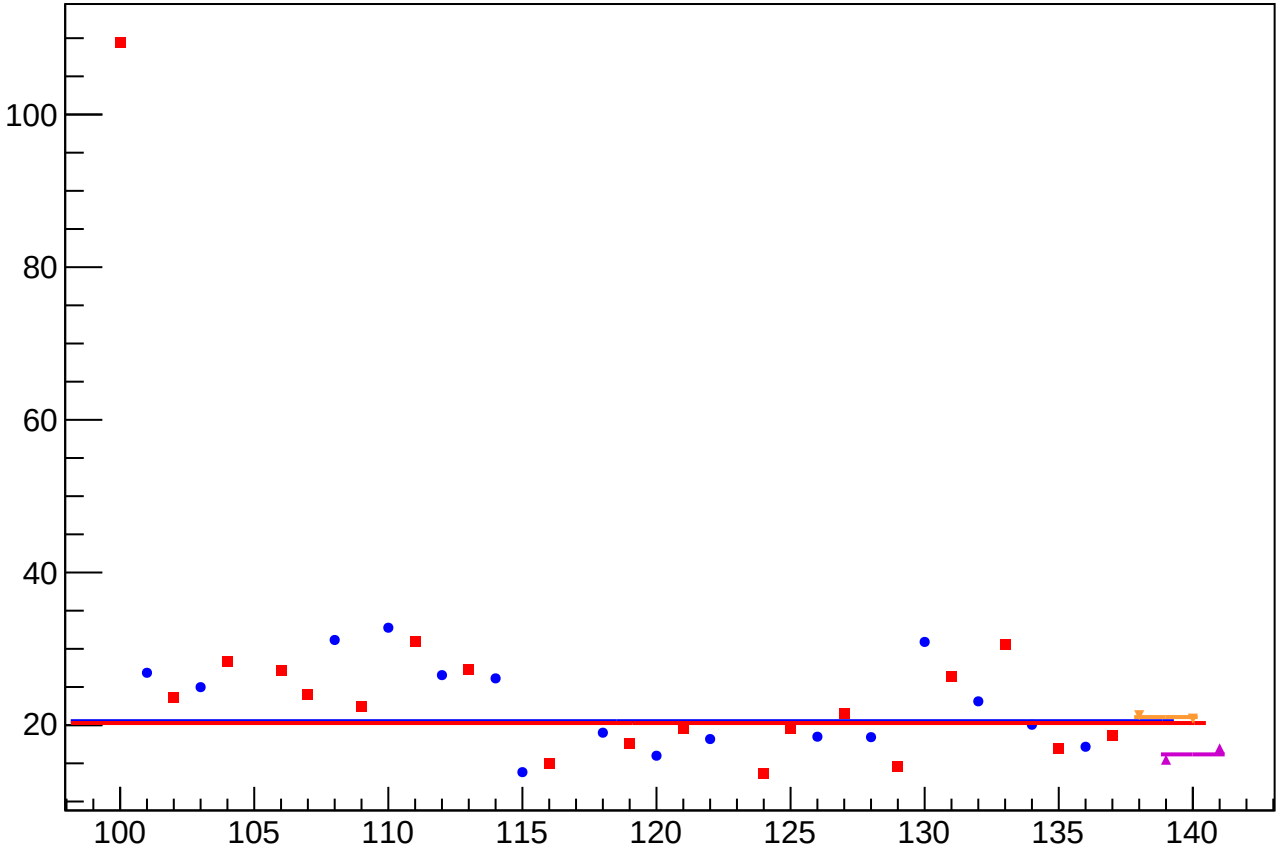
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.007 χ^2/NDF:19.7/17

Out: -0.001+/-0.007 χ^2/NDF:19.1/20

All: -0.002+/-0.005 χ^2/NDF: 38.9/38

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 21.062+/-0.012 χ^2/NDF:346.1/1

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.174+/-0.009 χ^2/NDF:7095.8/1

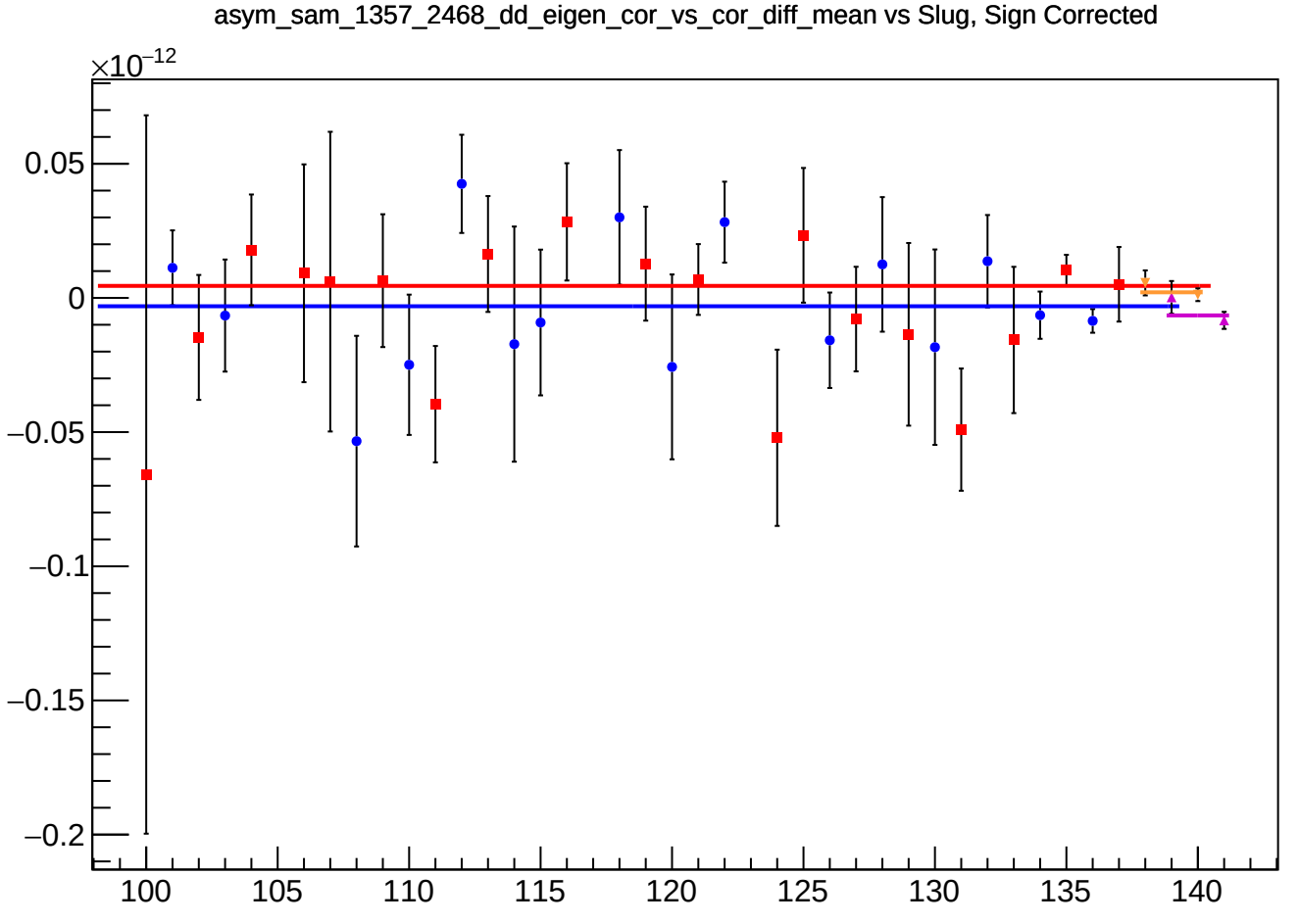
Left: 17.863+/-0.007 χ^2/NDF: 113780.8/3

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 19.239+/-0.005 χ^2/NDF:884530.6/17

Out: 20.417+/-0.005 χ^2/NDF:868136.2/20

All: 19.795+/-0.003 χ^2/NDF: 1781236.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/1

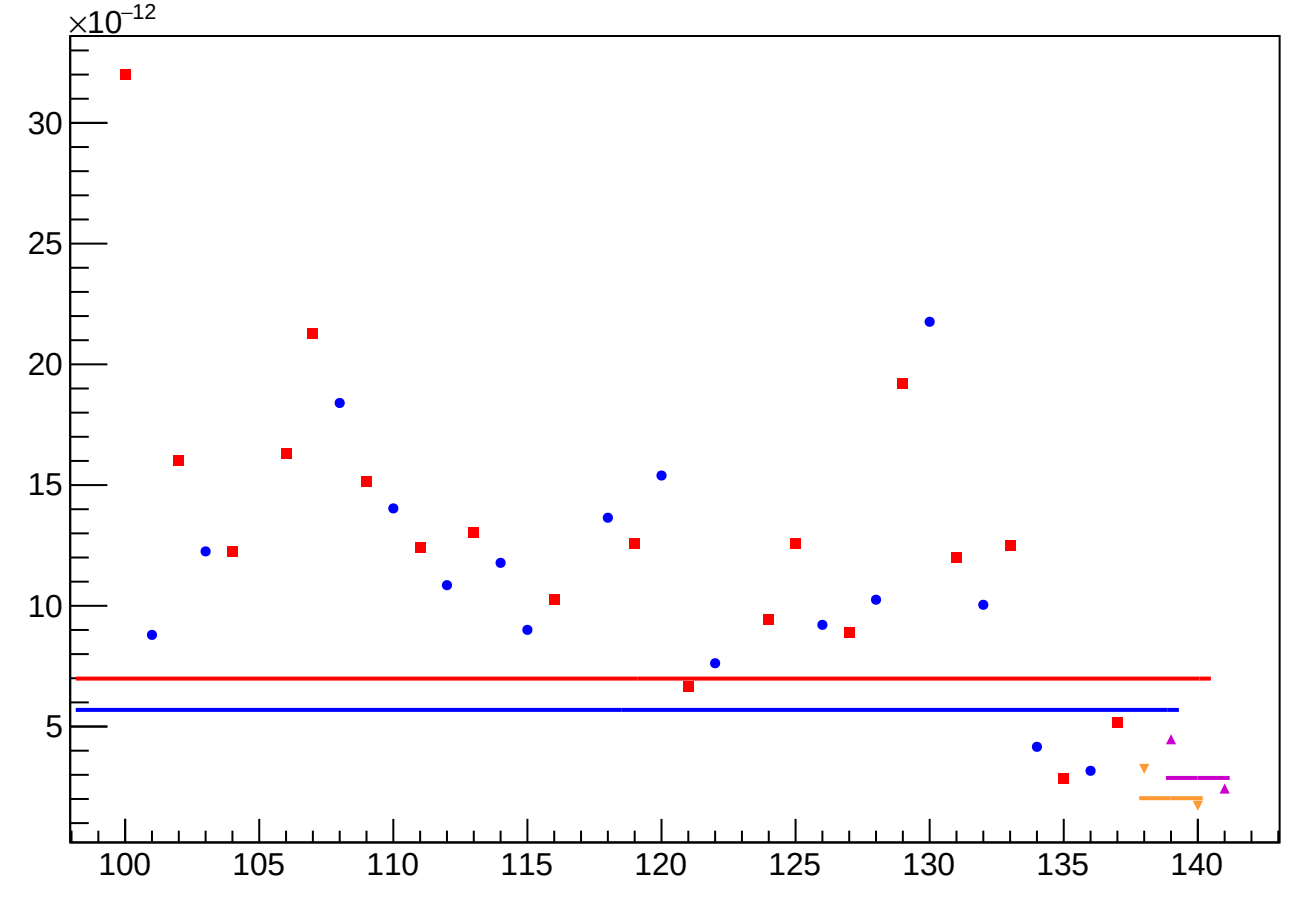
Left: -0.000+/-0.000 χ^2/NDF: 8.3/3

Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:22.2/17

Out: 0.000+/-0.000 χ^2/NDF:19.6/20

All: -0.000+/-0.000 χ^2/NDF: 49.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:170306.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:177055.9/1

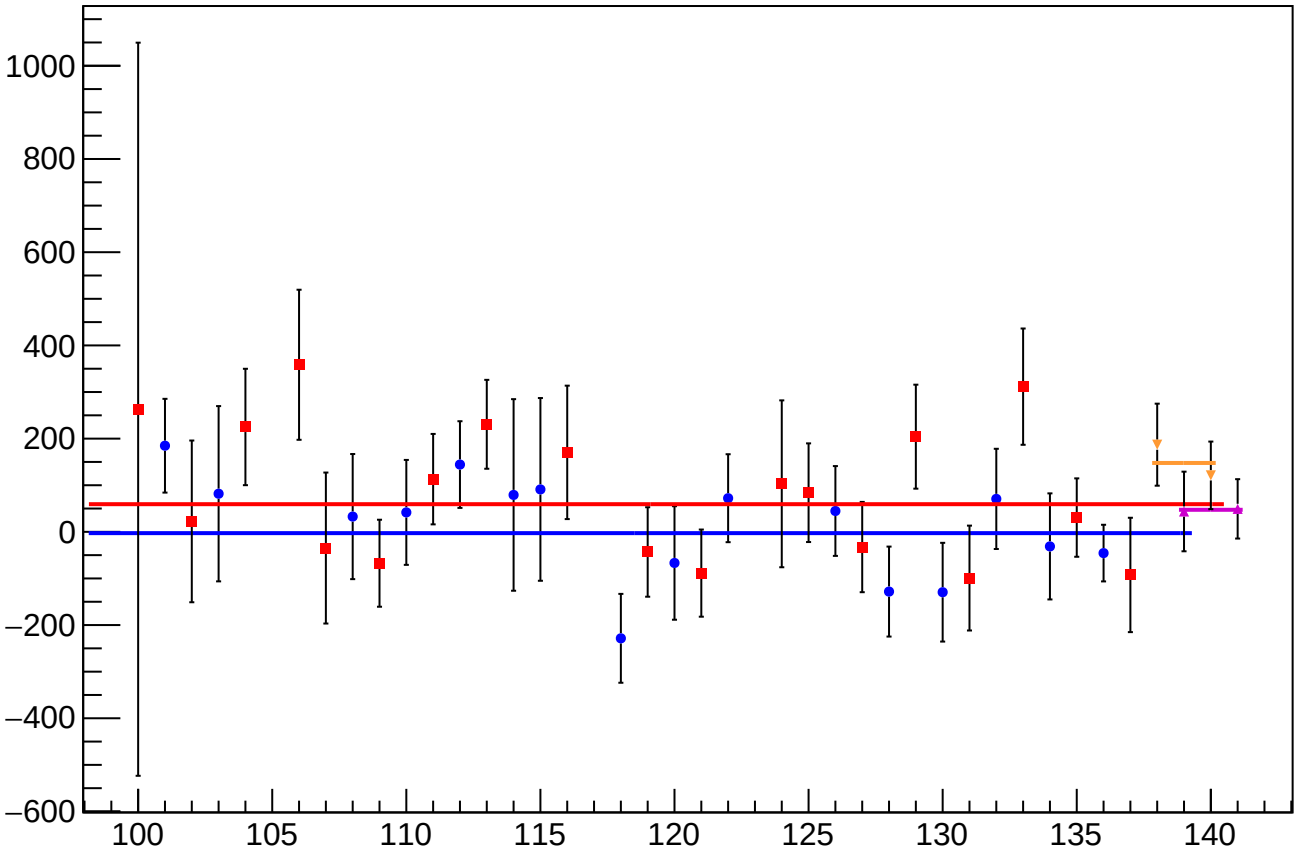
Left: 0.000+/-0.000 χ^2/NDF: 460786.8/3

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:3738861.7/17

Out: 0.000+/-0.000 χ^2/NDF:5807850.2/20

All: 0.000+/-0.000 χ^2/NDF: 9752876.7/38



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 147.805+/-55.955 χ^2/NDF:0.3/1

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 47.304+/-51.067 χ^2/NDF:0.0/1

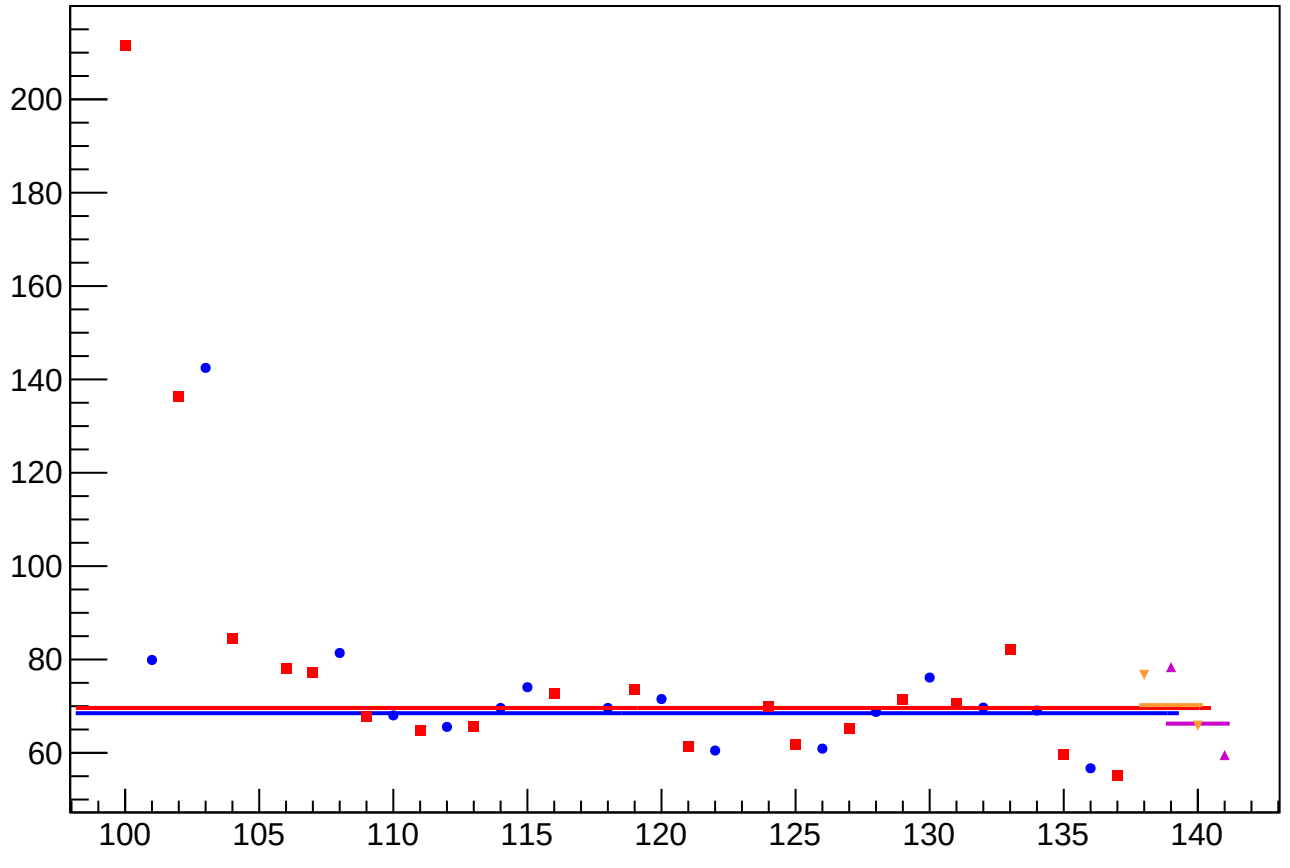
Left: 92.975+/-37.720 χ^2/NDF: 2.1/3

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 7.675+/-23.320 χ^2/NDF:18.5/17

Out: 75.437+/-23.863 χ^2/NDF:28.1/20

All: 40.777+/-16.678 χ^2/NDF: 50.7/38



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 70.229+/-0.040 χ^2/NDF:18184.4/1

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 66.261+/-0.036 χ^2/NDF:62569.9/1

Left: 68.064+/-0.027 χ^2/NDF: 86239.8/3

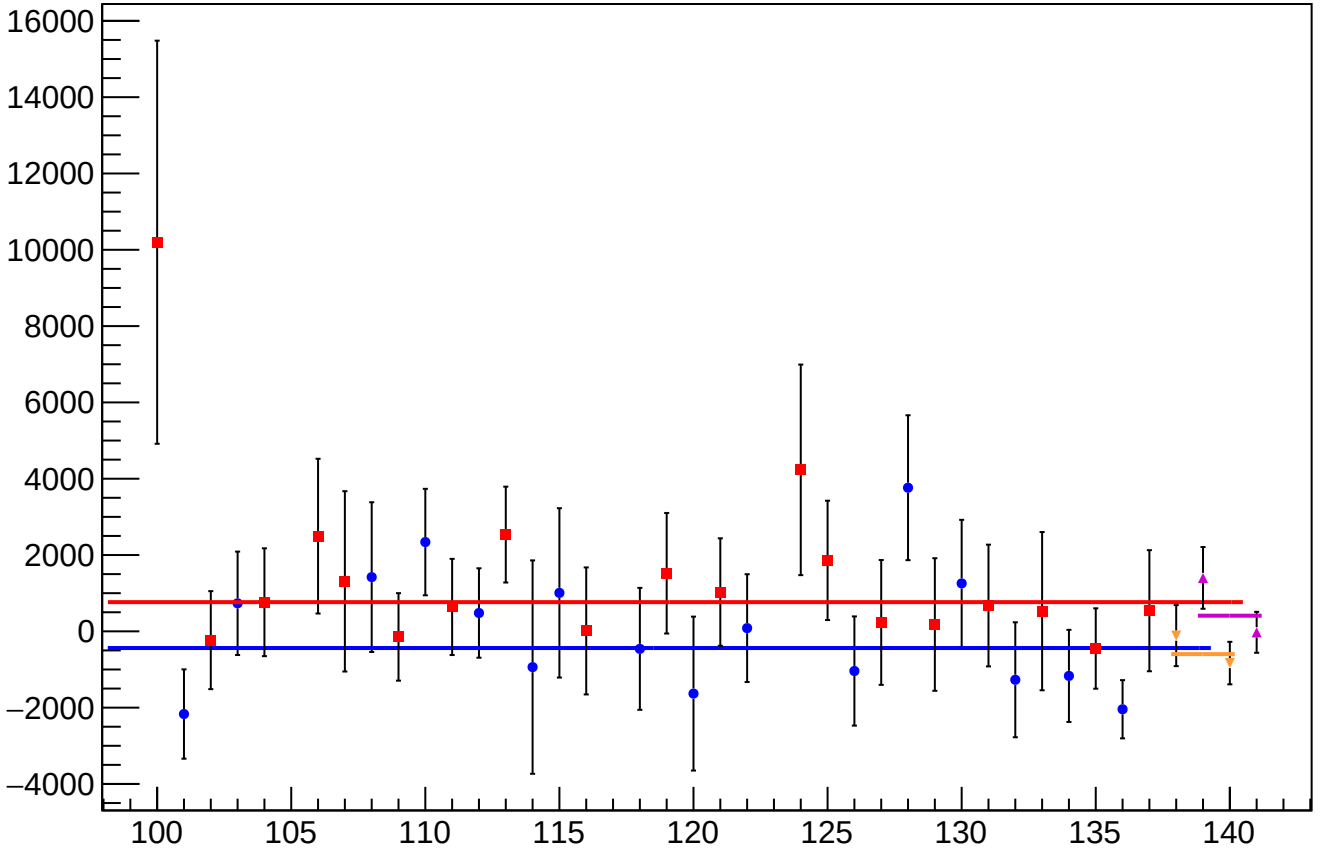
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 68.032+/-0.016 χ^2/NDF:537473.6/17

Out: 69.730+/-0.017 χ^2/NDF:538781.9/20

All: 68.862+/-0.012 χ^2/NDF: 1081438.0/38

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -597.104+/-457.052 χ^2/NDF:0.5/1

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 410.028+/-447.093 χ^2/NDF:2.2/1

Left: -82.446+/-319.605 χ^2/NDF: 5.2/3

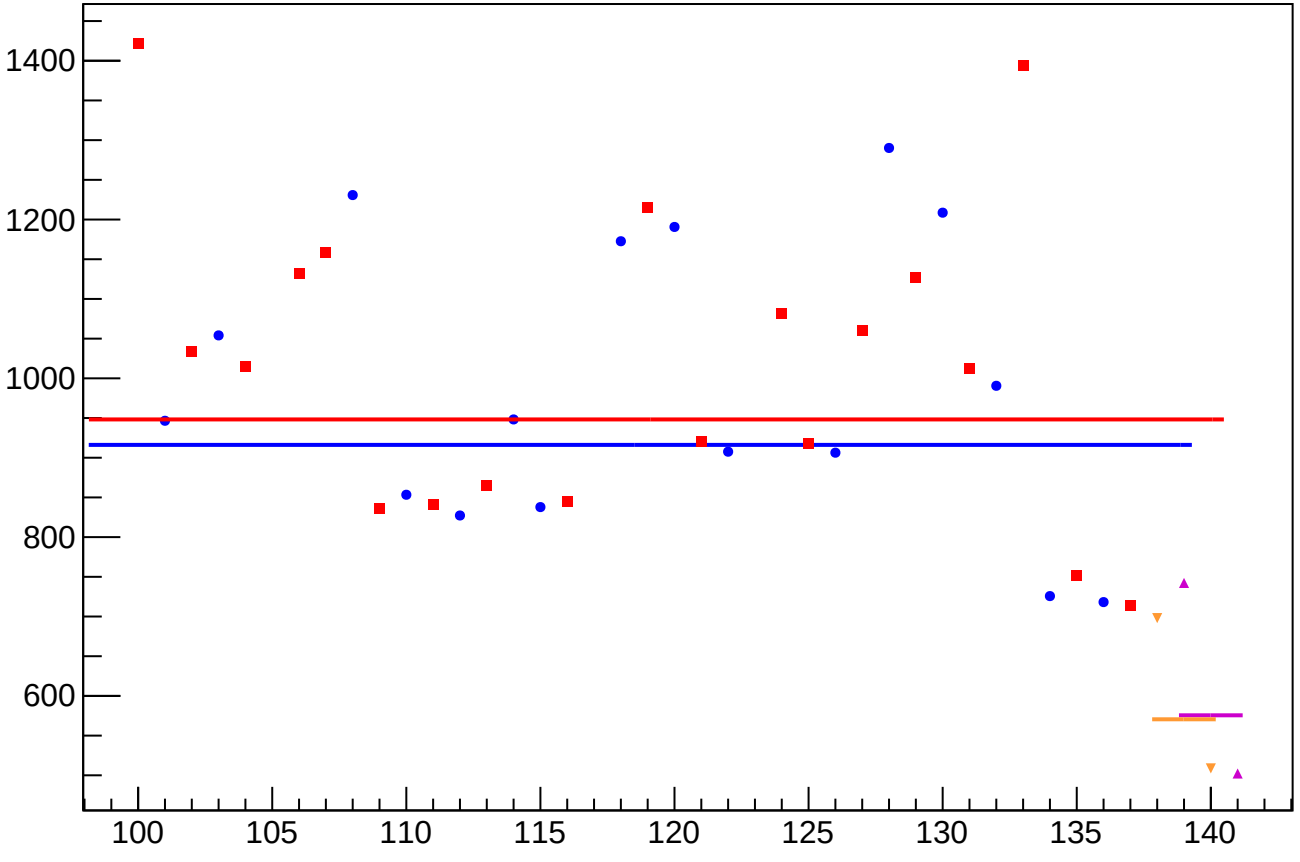
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -116.708+/-275.048 χ^2/NDF:24.9/17

Out: 256.191+/-279.402 χ^2/NDF:17.4/20

All: 66.814+/-196.010 χ^2/NDF: 43.3/38

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 570.546+/-0.323 χ^2/NDF:75446.7/1

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 575.577+/-0.316 χ^2/NDF:122279.0/1

Left: 573.117+/-0.226 χ^2/NDF: 197849.6/3

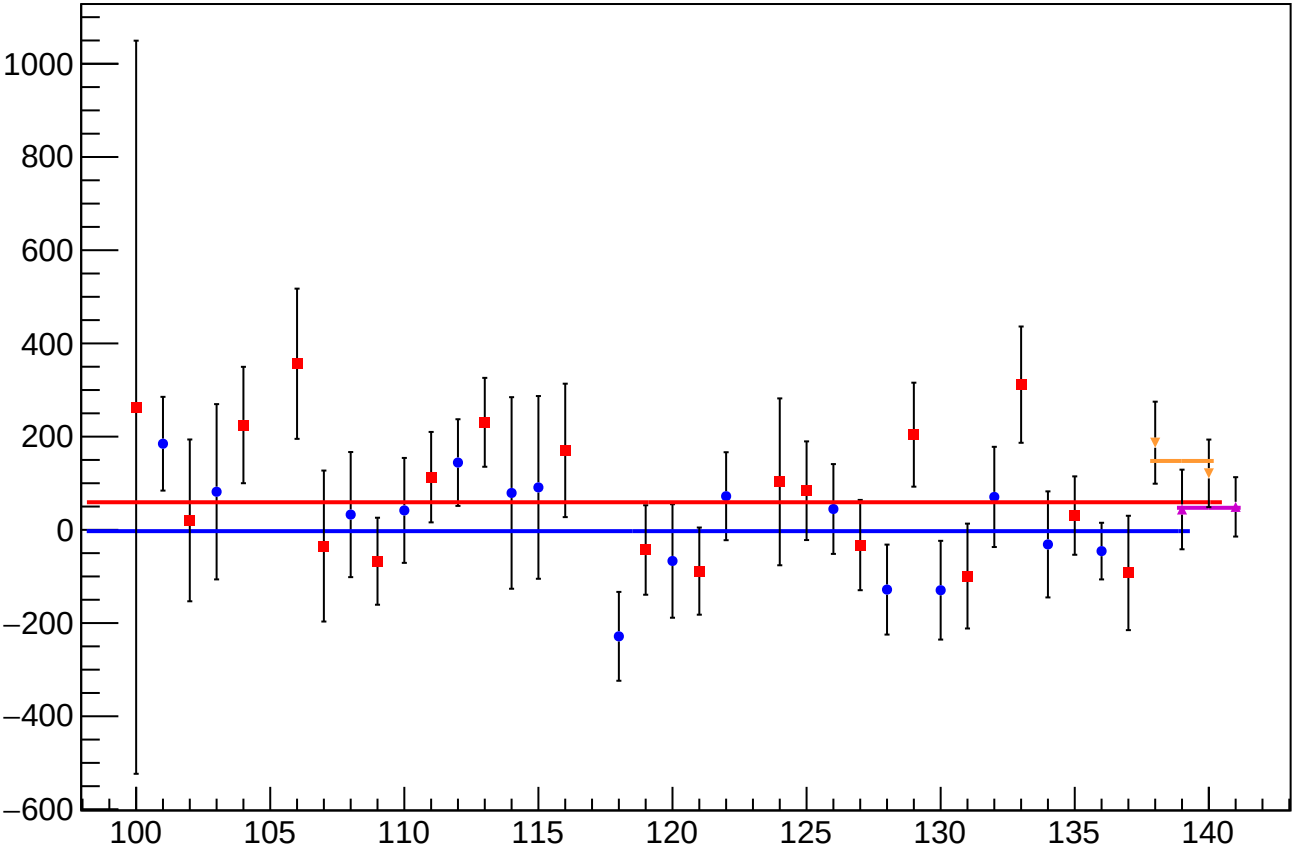
Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 787.268+/-0.194 χ^2/NDF:1352805.0/17

Out: 807.092+/-0.198 χ^2/NDF:1345998.6/20

All: 797.024+/-0.139 χ^2/NDF: 2703916.3/38

cor_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 147.816+/-55.955 χ^2/NDF:0.3/1

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 47.312+/-51.067 χ^2/NDF:0.0/1

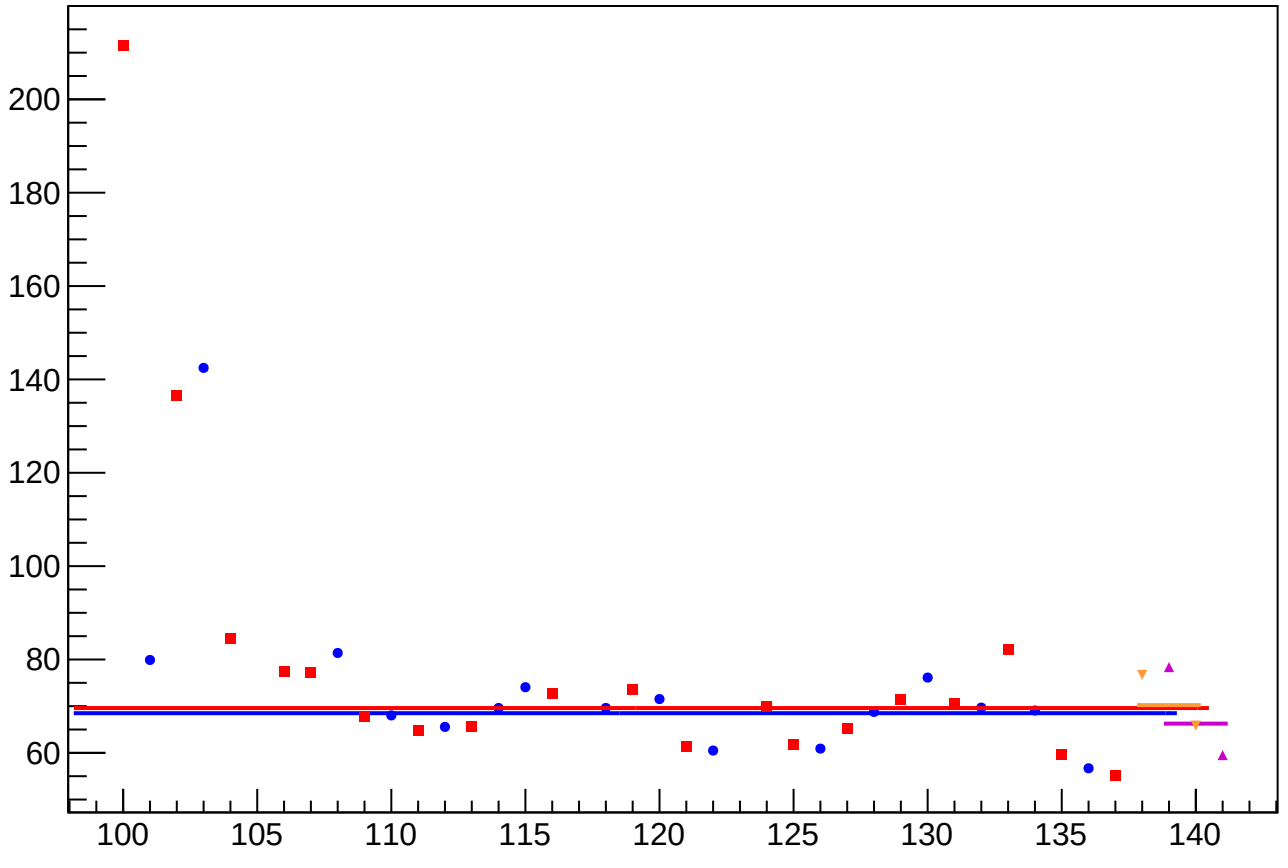
Left: 92.984+/-37.720 χ^2/NDF: 2.1/3

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 7.671+/-23.320 χ^2/NDF:18.5/17

Out: 75.340+/-23.864 χ^2/NDF:28.0/20

All: 40.726+/-16.679 χ^2/NDF: 50.6/38



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 70.229+/-0.040 χ^2/NDF:18184.4/1

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 66.261+/-0.036 χ^2/NDF:62569.9/1

Left: 68.064+/-0.027 χ^2/NDF: 86239.8/3

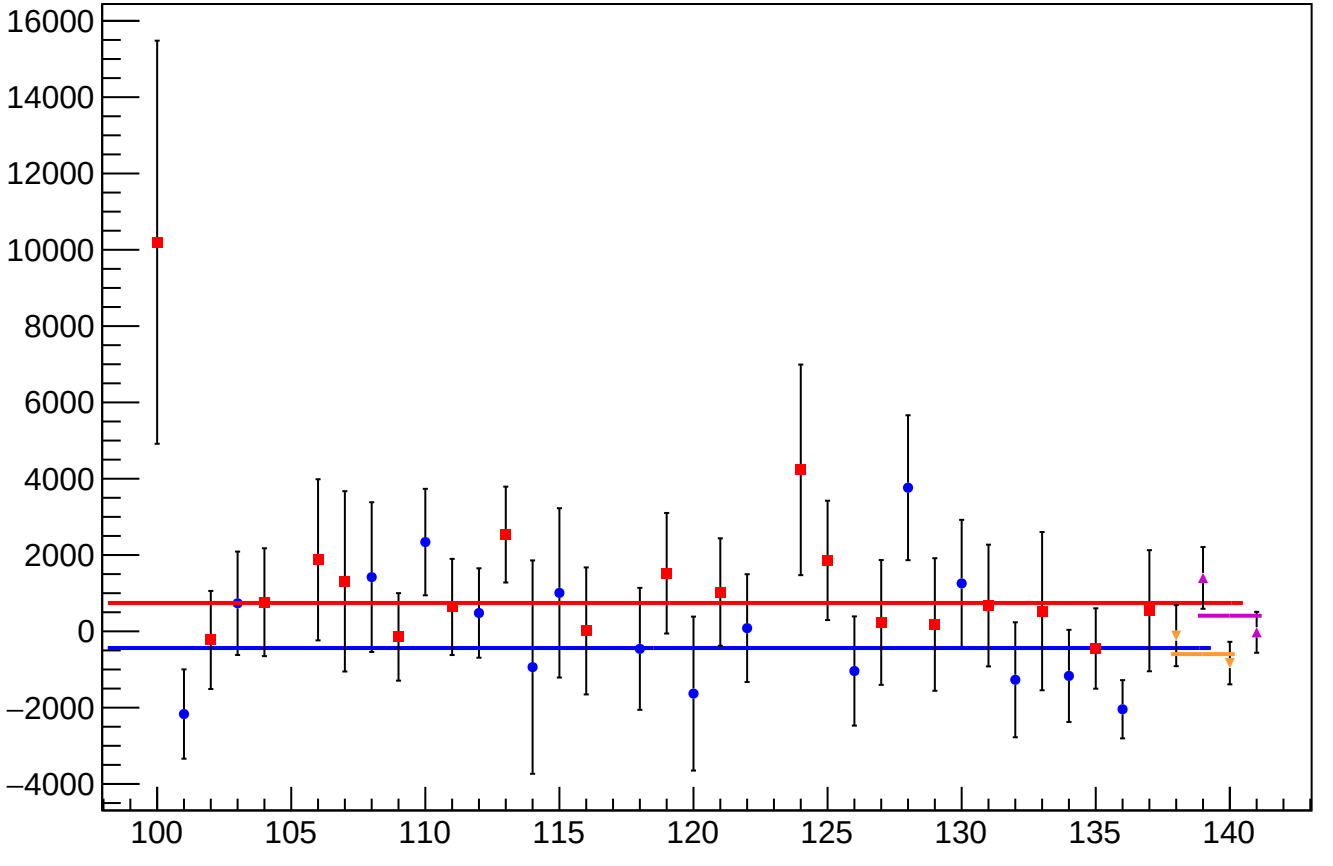
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 68.032+/-0.016 χ^2/NDF:537476.6/17

Out: 69.715+/-0.017 χ^2/NDF:538179.4/20

All: 68.854+/-0.012 χ^2/NDF: 1080742.7/38

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -597.093+/-457.052 χ^2/NDF:0.5/1

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 410.042+/-447.093 χ^2/NDF:2.2/1

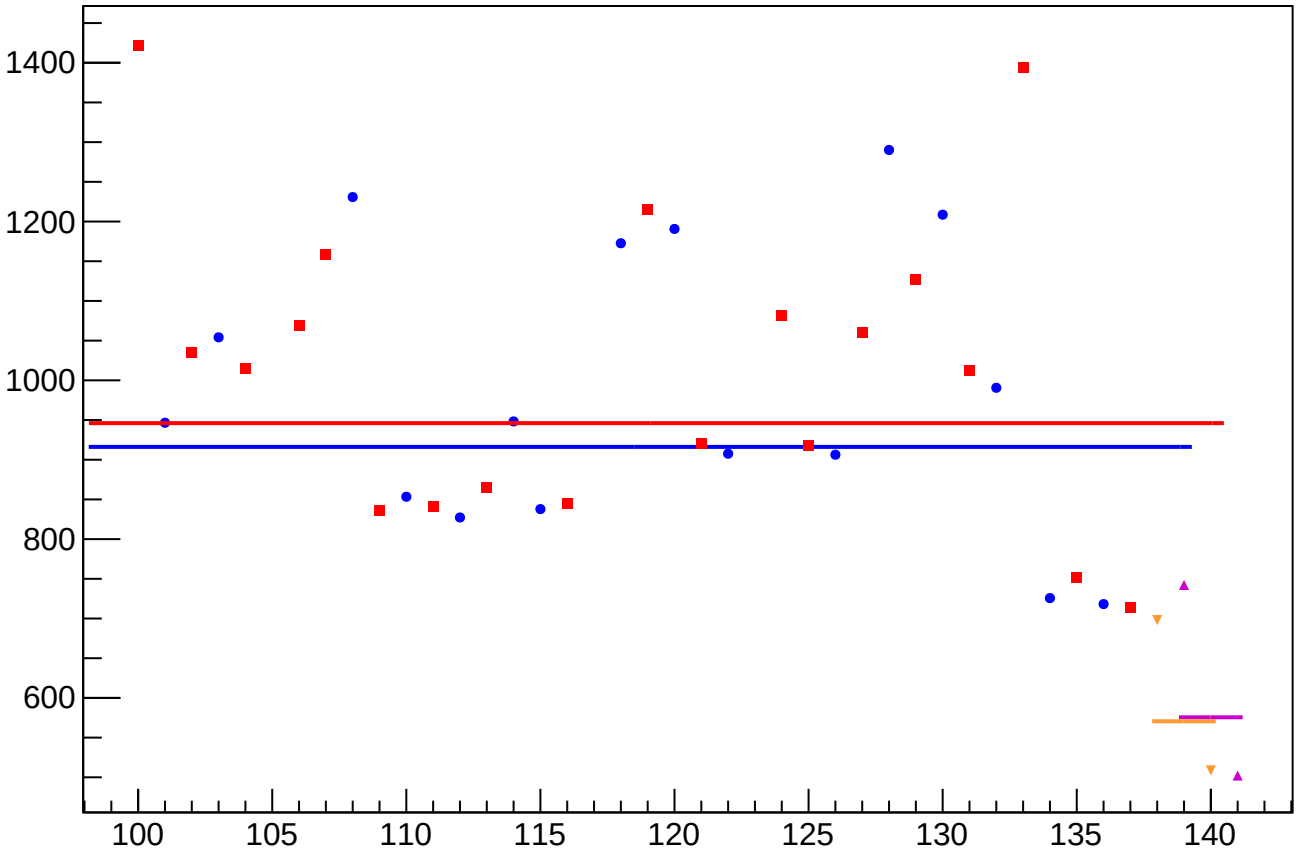
Left: -82.434+/-319.605 χ^2/NDF: 5.2/3

Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -116.683+/-275.049 χ^2/NDF:24.9/17

Out: 242.297+/-279.617 χ^2/NDF:16.8/20

All: 59.851+/-196.084 χ^2/NDF: 42.6/38



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 570.545+/-0.323 χ^2/NDF:75446.7/1

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 575.577+/-0.316 χ^2/NDF:122277.7/1

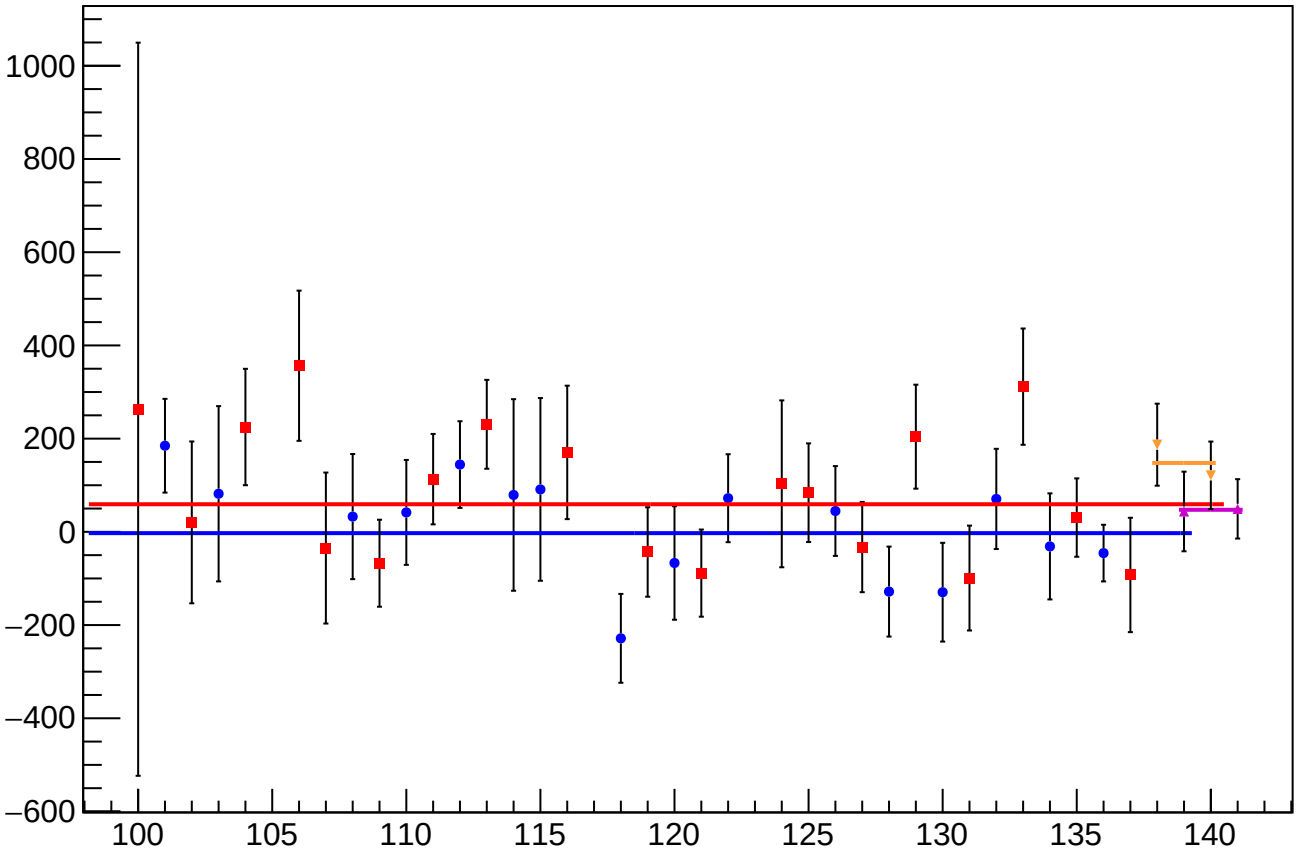
Left: 573.117+/-0.226 χ^2/NDF: 197848.2/3

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 787.270+/-0.194 χ^2/NDF:1352836.3/17

Out: 805.532+/-0.198 χ^2/NDF:1325763.1/20

All: 796.251+/-0.139 χ^2/NDF: 2682935.2/38



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 147.816+/-55.955 χ^2/NDF:0.3/1

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 47.312+/-51.067 χ^2/NDF:0.0/1

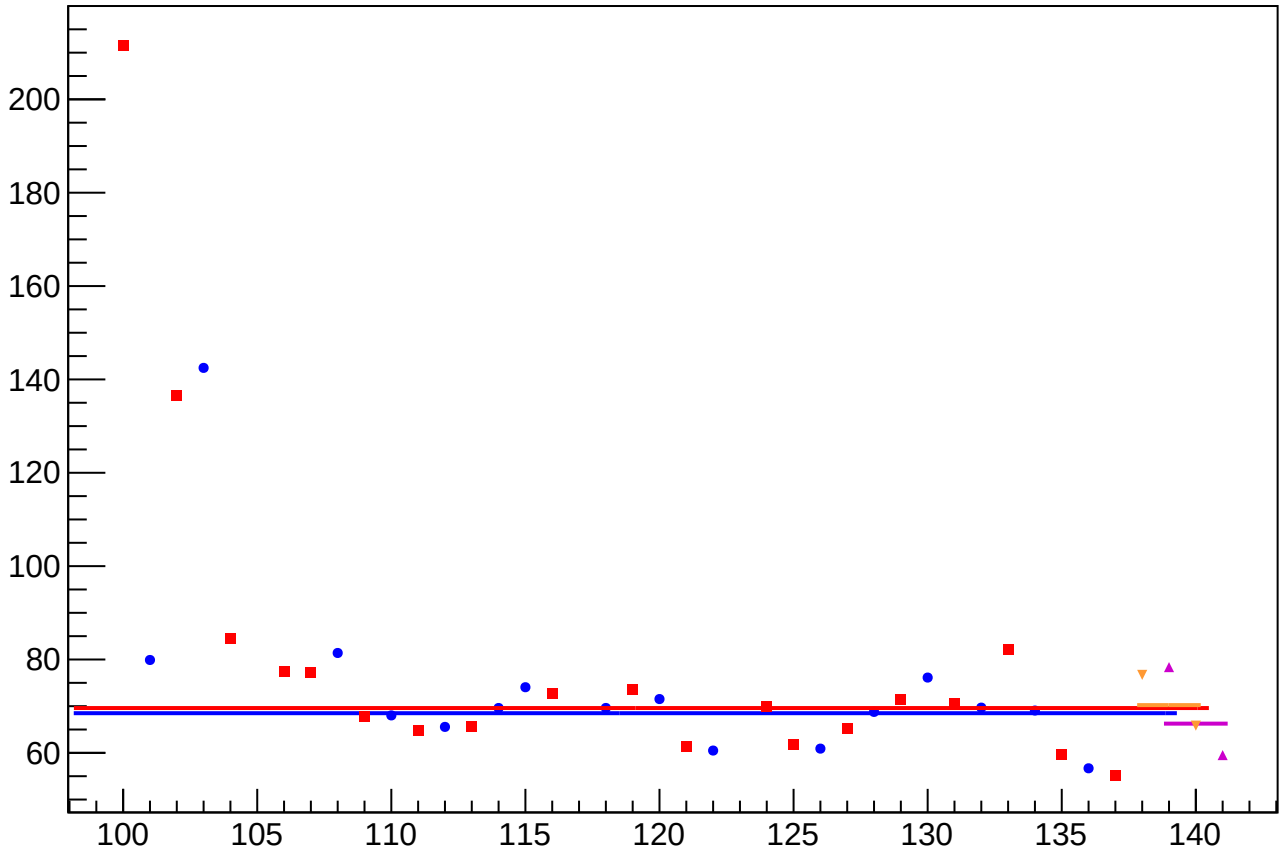
Left: 92.984+/-37.720 χ^2/NDF: 2.1/3

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 7.671+/-23.320 χ^2/NDF:18.5/17

Out: 75.340+/-23.864 χ^2/NDF:28.0/20

All: 40.726+/-16.679 χ^2/NDF: 50.6/38



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 70.229+/-0.040 χ^2/NDF:18184.4/1

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 66.261+/-0.036 χ^2/NDF:62569.9/1

Left: 68.064+/-0.027 χ^2/NDF: 86239.8/3

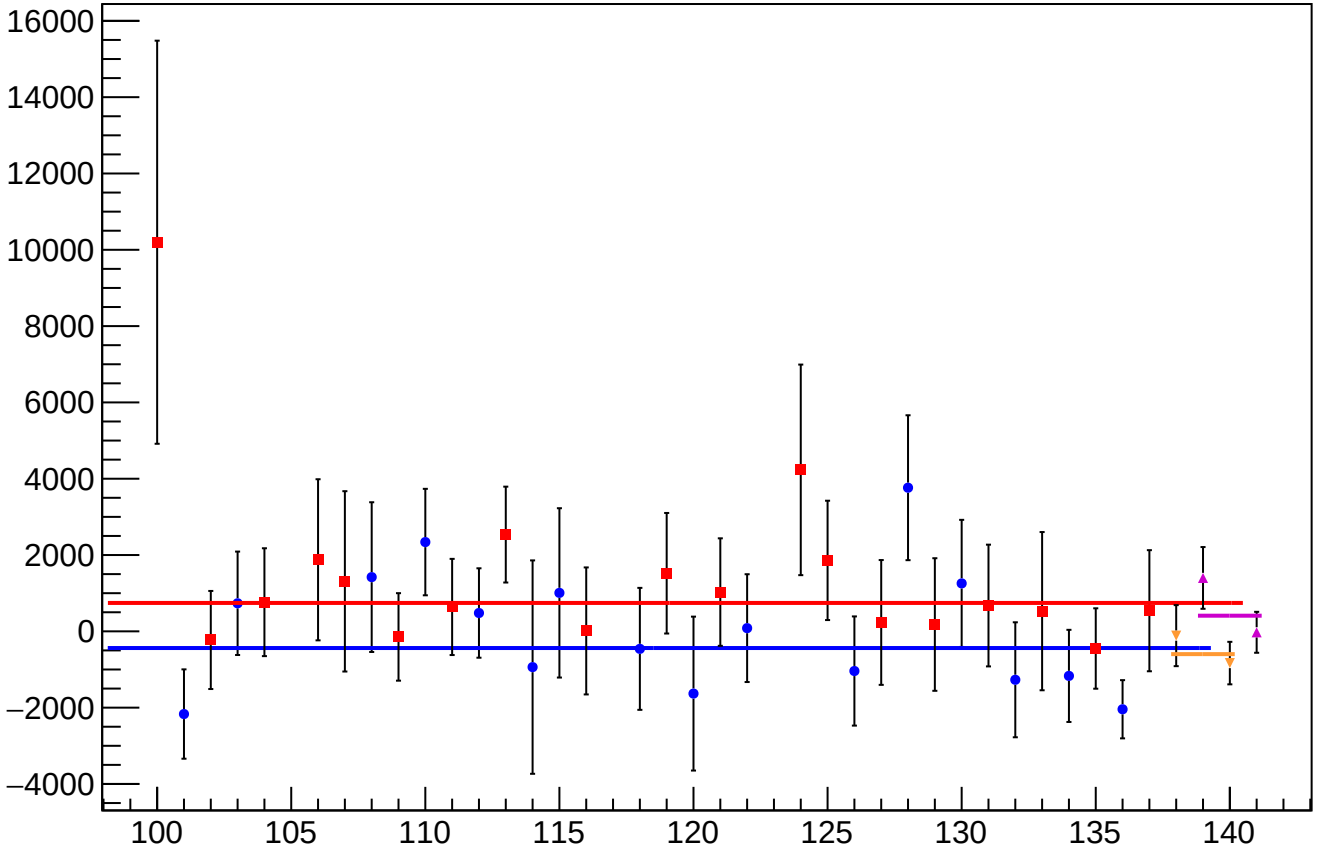
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 68.032+/-0.016 χ^2/NDF:537476.6/17

Out: 69.715+/-0.017 χ^2/NDF:538179.4/20

All: 68.854+/-0.012 χ^2/NDF: 1080742.7/38

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -597.093+/-457.052 χ^2/NDF:0.5/1

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 410.042+/-447.093 χ^2/NDF:2.2/1

Left: -82.434+/-319.605 χ^2/NDF: 5.2/3

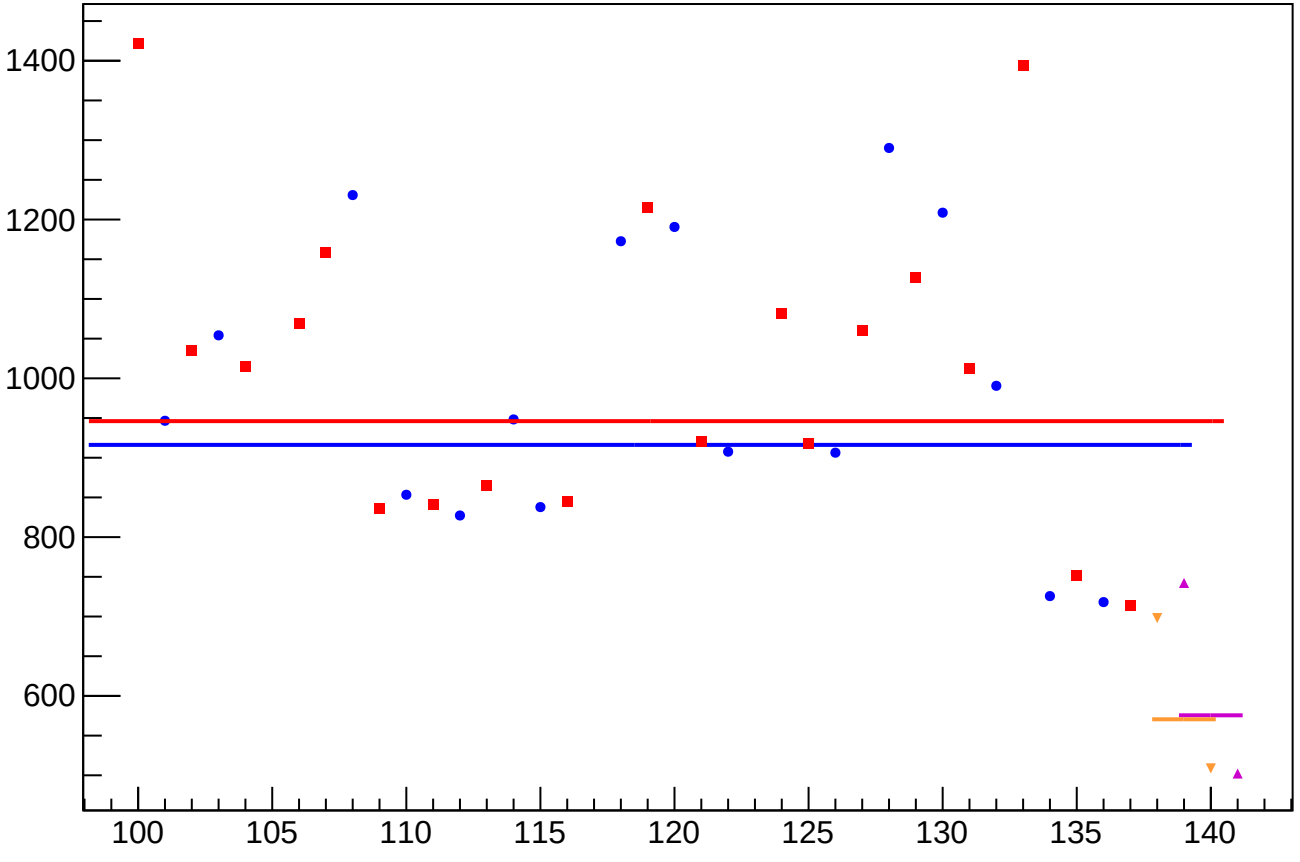
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -116.683+/-275.049 χ^2/NDF:24.9/17

Out: 242.297+/-279.617 χ^2/NDF:16.8/20

All: 59.851+/-196.084 χ^2/NDF: 42.6/38

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 570.545+/-0.323 χ^2/NDF:75446.7/1

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 575.577+/-0.316 χ^2/NDF:122277.7/1

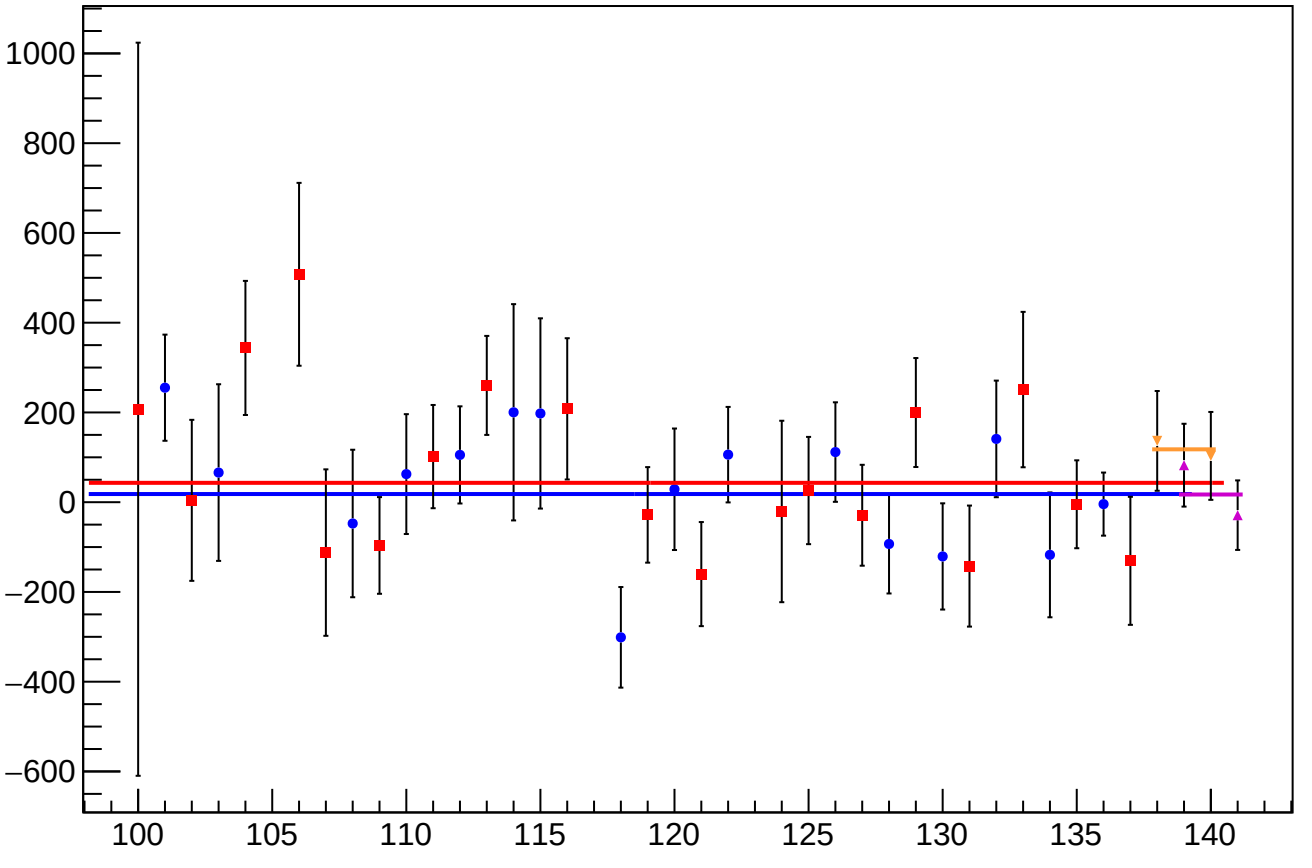
Left: 573.117+/-0.226 χ^2/NDF: 197848.2/3

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 787.270+/-0.194 χ^2/NDF:1352836.3/17

Out: 805.532+/-0.198 χ^2/NDF:1325763.1/20

All: 796.251+/-0.139 χ^2/NDF: 2682935.2/38



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 117.794+/-73.478 χ^2/NDF:0.1/1

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 17.147+/-59.328 χ^2/NDF:0.9/1

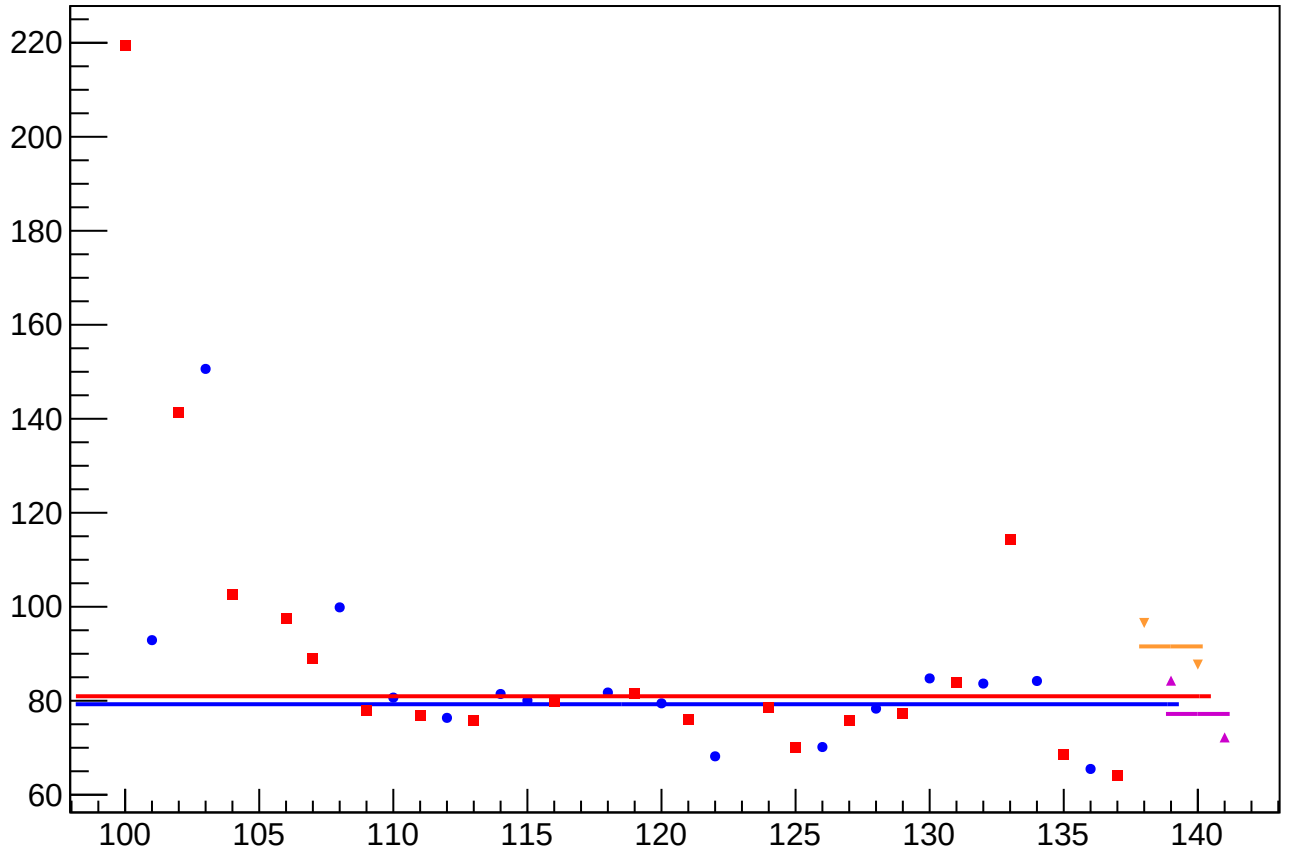
Left: 56.867+/-46.160 χ^2/NDF: 2.0/3

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 17.962+/-27.017 χ^2/NDF:21.0/17

Out: 54.244+/-28.333 χ^2/NDF:28.7/20

All: 35.241+/-19.552 χ^2/NDF: 50.5/38



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 91.564+/-0.052 χ^2/NDF:7147.9/1

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 77.197+/-0.042 χ^2/NDF:20095.7/1

Left: 82.867+/-0.033 χ^2/NDF: 73529.1/3

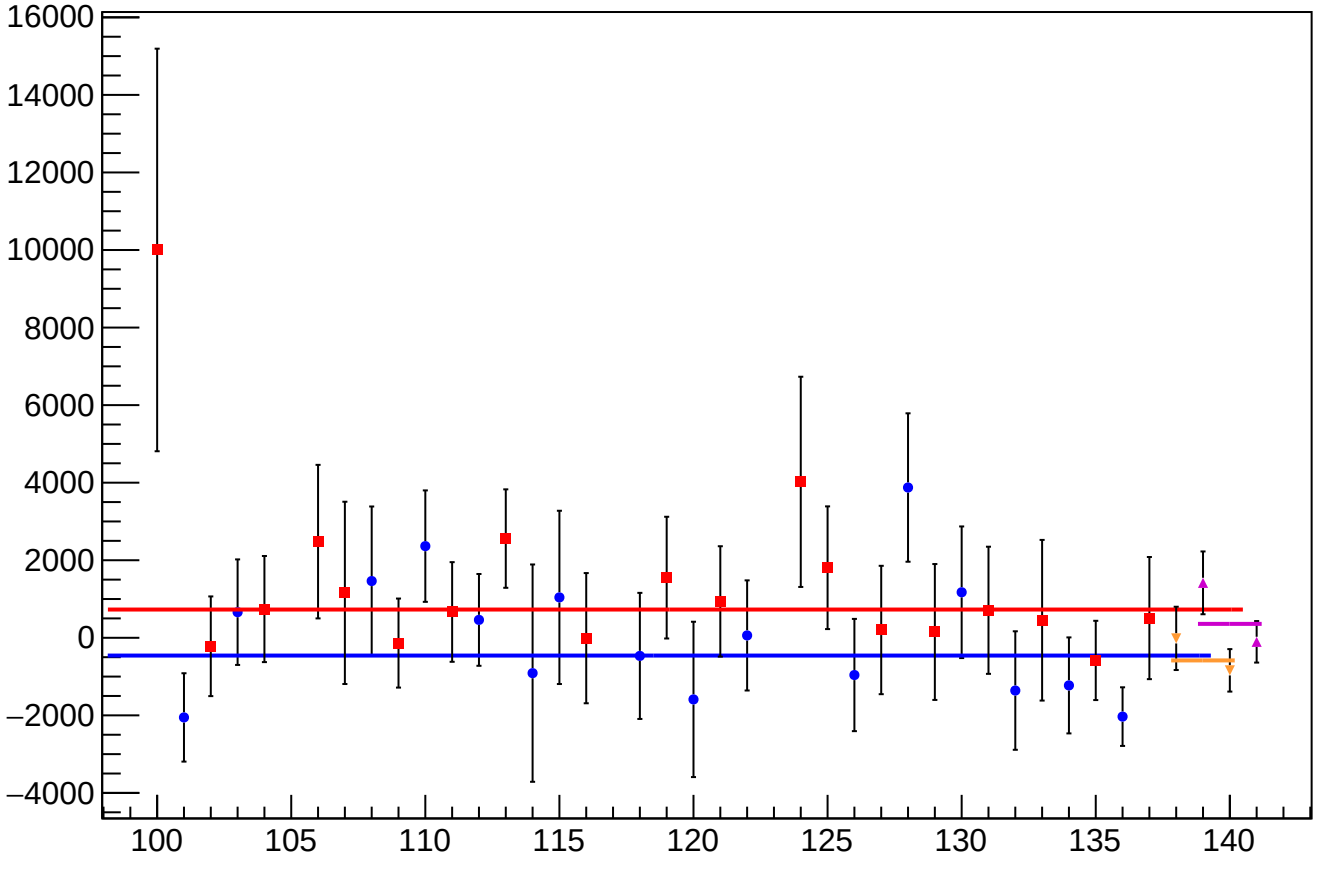
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 78.835+/-0.019 χ^2/NDF:466968.7/17

Out: 82.535+/-0.020 χ^2/NDF:556802.7/20

All: 80.597+/-0.014 χ^2/NDF: 1041641.0/38

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -583.394+/-454.794 χ^2/NDF:0.7/1

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 358.827+/-446.532 χ^2/NDF:2.5/1

Left: -103.648+/-318.627 χ^2/NDF: 5.3/3

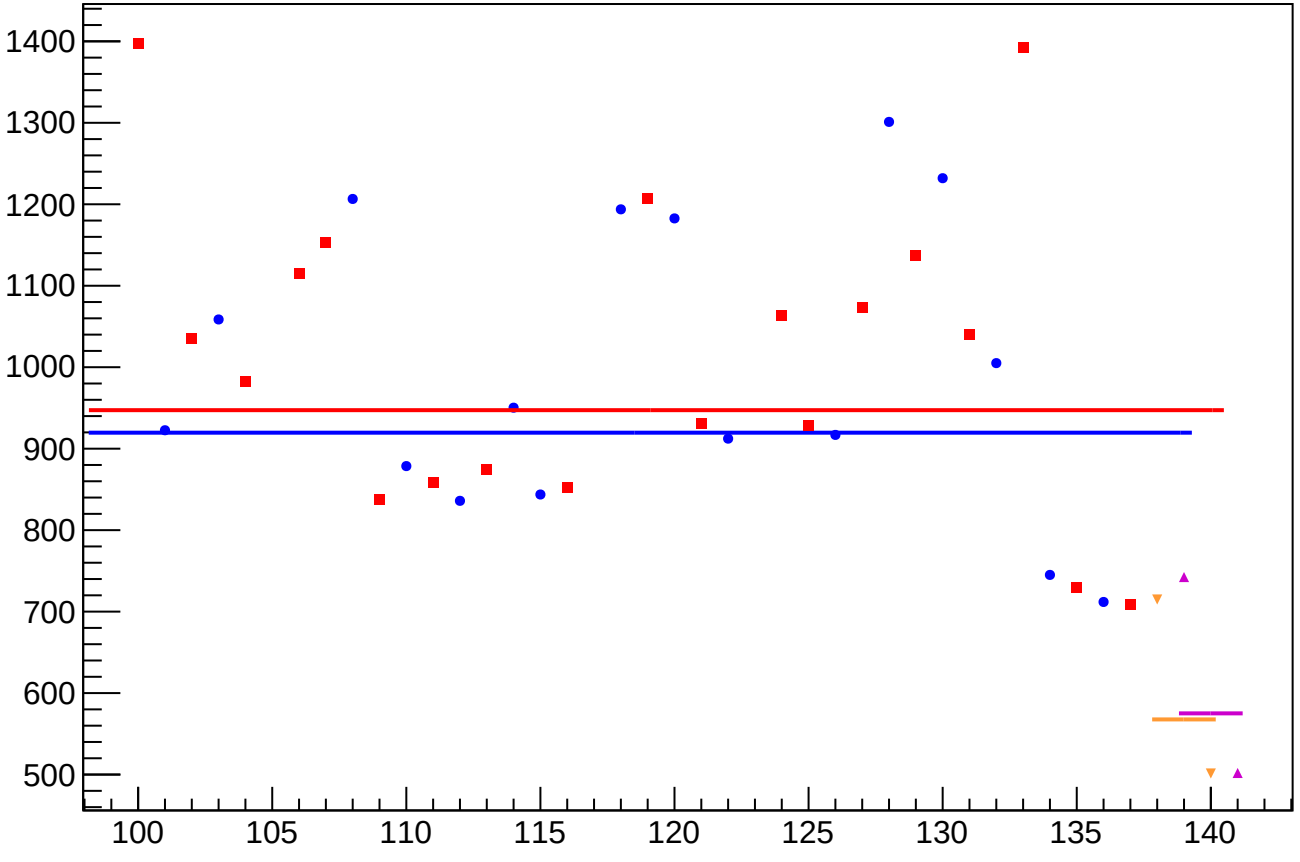
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -147.130+/-275.502 χ^2/NDF:24.8/17

Out: 236.187+/-278.647 χ^2/NDF:17.4/20

All: 42.352+/-195.912 χ^2/NDF: 43.2/38

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 567.675+/-0.322 χ^2/NDF:94459.3/1

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 575.105+/-0.316 χ^2/NDF:122793.1/1

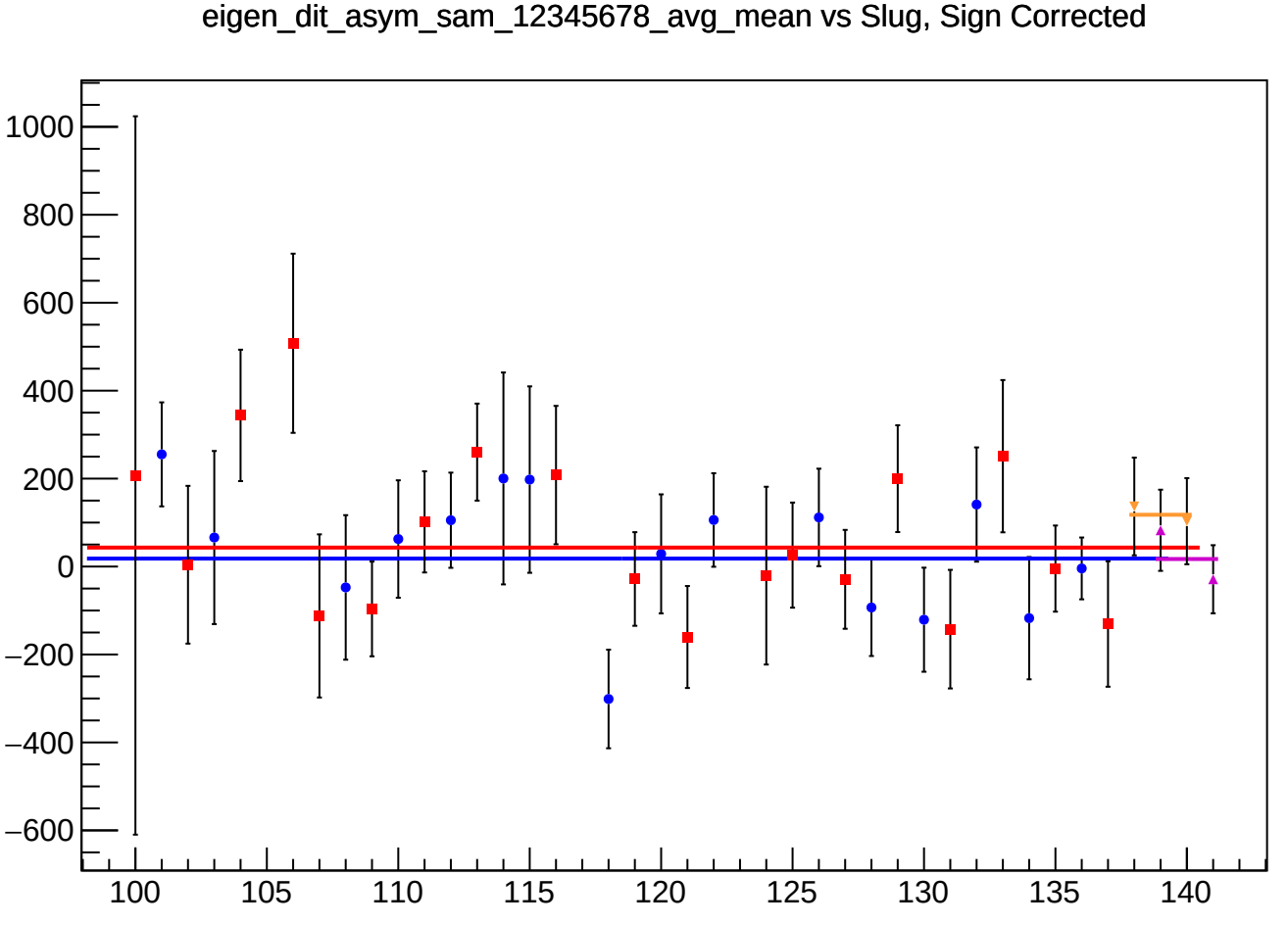
Left: 571.458+/-0.225 χ^2/NDF: 217524.3/3

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 788.487+/-0.195 χ^2/NDF:1375654.0/17

Out: 804.776+/-0.197 χ^2/NDF:1390297.5/20

All: 796.539+/-0.139 χ^2/NDF: 2769407.6/38



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 117.794+/-73.479 χ^2/NDF:0.1/1

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 17.148+/-59.328 χ^2/NDF:0.9/1

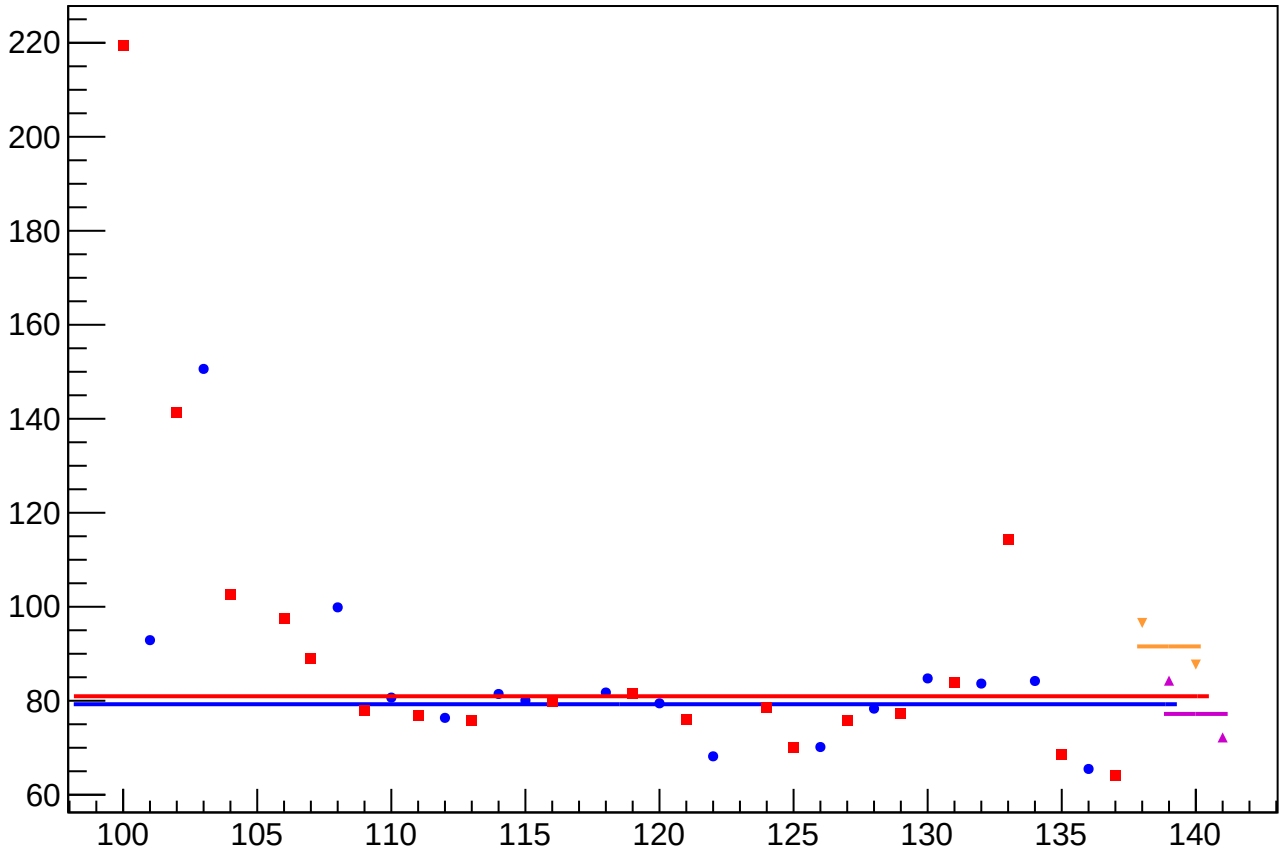
Left: 56.867+/-46.160 χ^2/NDF: 2.0/3

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 17.962+/-27.017 χ^2/NDF:21.0/17

Out: 54.242+/-28.333 χ^2/NDF:28.7/20

All: 35.240+/-19.552 χ^2/NDF: 50.5/38



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 91.564+/-0.052 χ^2/NDF:7146.8/1

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 77.197+/-0.042 χ^2/NDF:20095.0/1

Left: 82.867+/-0.033 χ^2/NDF: 73526.7/3

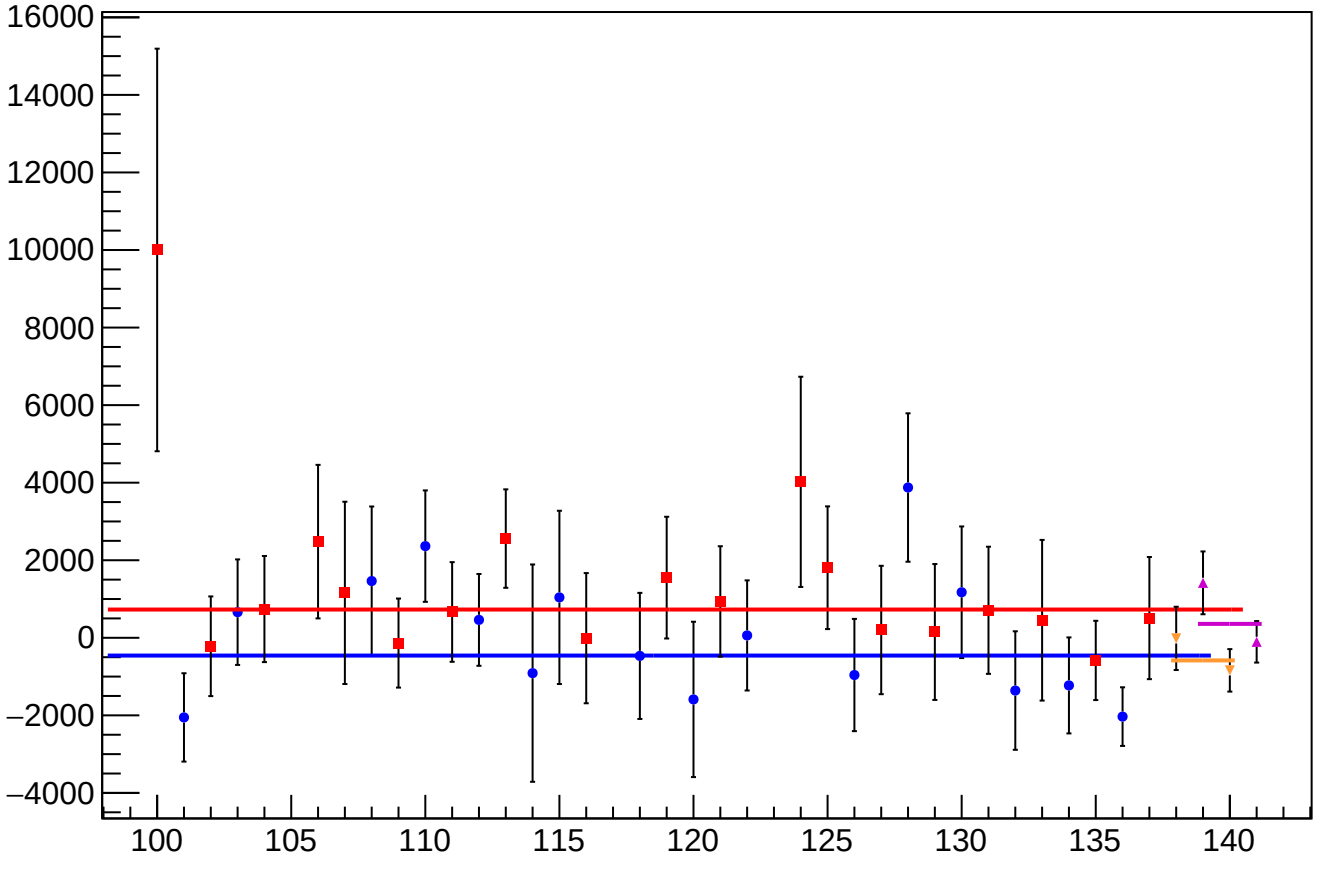
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 78.835+/-0.019 χ^2/NDF:466964.6/17

Out: 82.535+/-0.020 χ^2/NDF:556812.4/20

All: 80.597+/-0.014 χ^2/NDF: 1041646.6/38

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -583.394+/-454.793 χ^2/NDF:0.7/1

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 358.828+/-446.532 χ^2/NDF:2.5/1

Left: -103.647+/-318.626 χ^2/NDF: 5.3/3

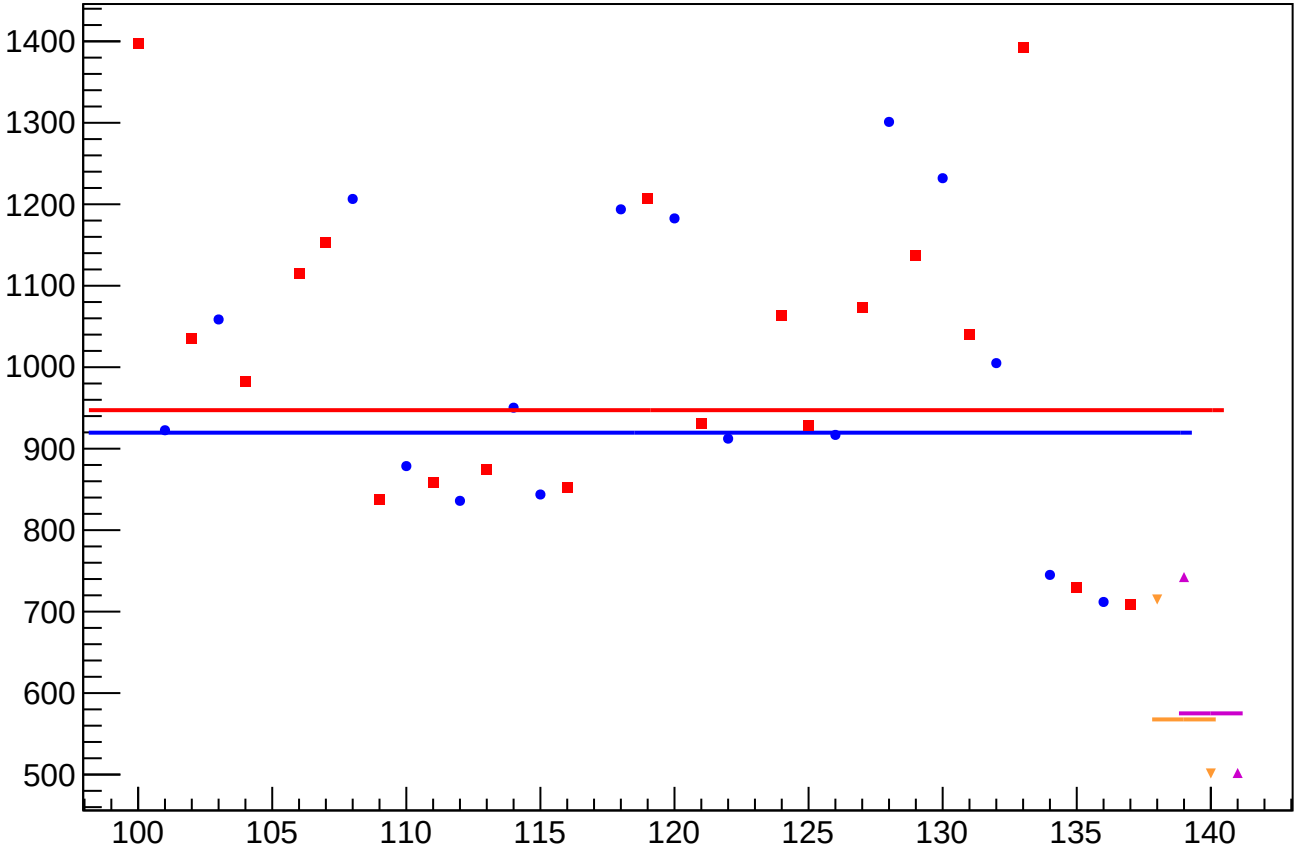
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -147.128+/-275.501 χ^2/NDF:24.8/17

Out: 236.186+/-278.647 χ^2/NDF:17.4/20

All: 42.353+/-195.911 χ^2/NDF: 43.2/38

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 567.674+/-0.322 χ^2/NDF:94459.0/1

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 575.104+/-0.316 χ^2/NDF:122793.1/1

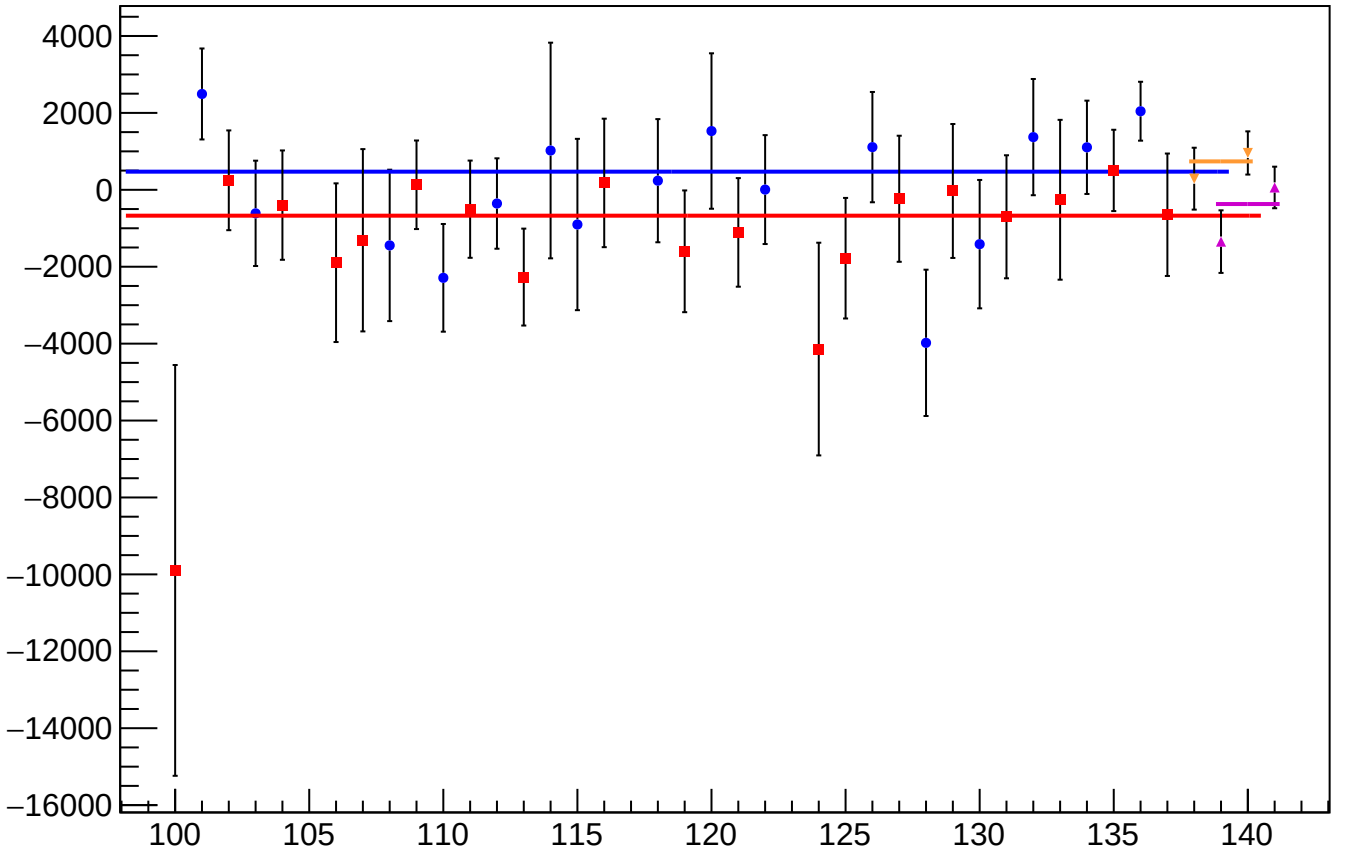
Left: 571.457+/-0.225 χ^2/NDF: 217523.9/3

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 788.485+/-0.195 χ^2/NDF:1375653.5/17

Out: 804.774+/-0.197 χ^2/NDF:1390297.6/20

All: 796.537+/-0.139 χ^2/NDF: 2769407.1/38



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 739.136+/-460.665 χ^2/NDF:0.5/1

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -369.695+/-450.084 χ^2/NDF:2.1/1

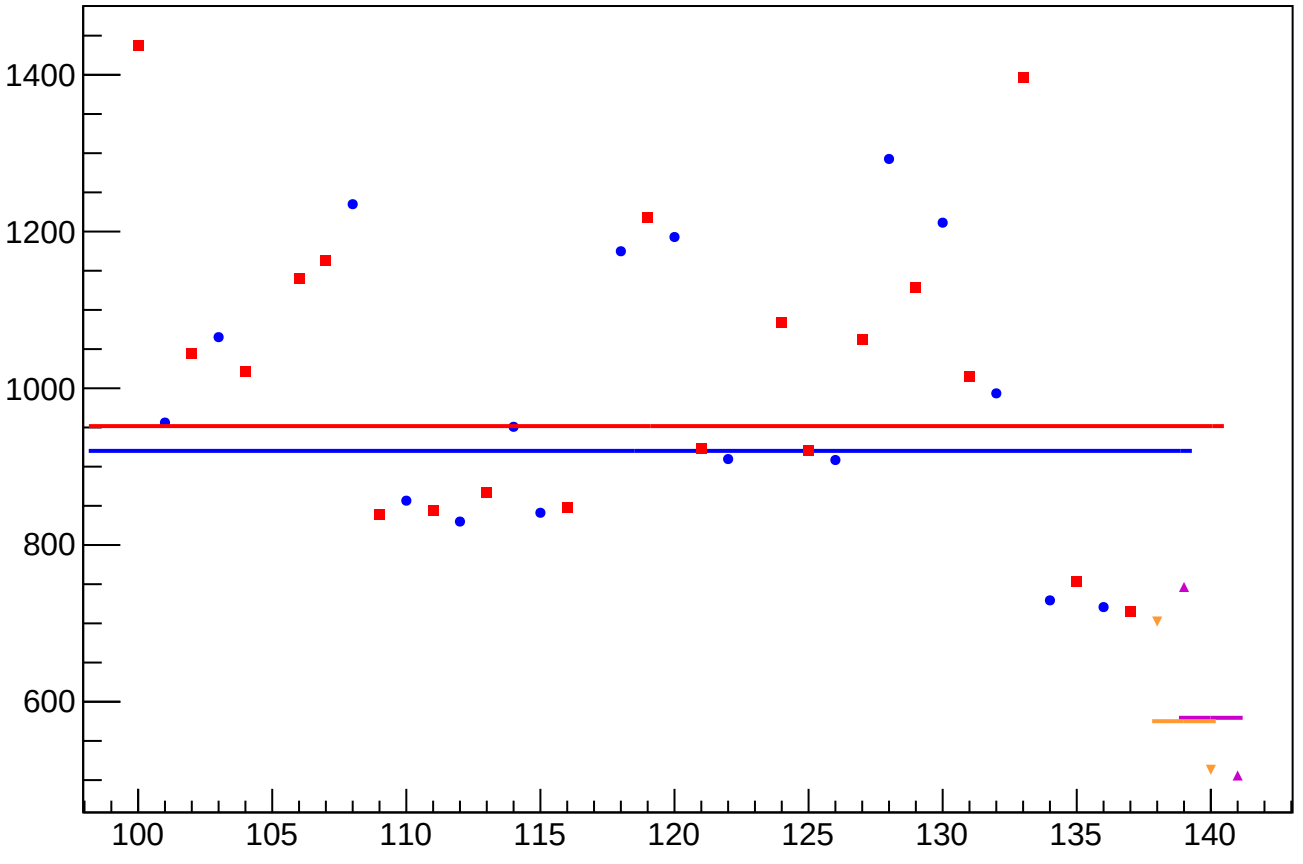
Left: 171.839+/-321.933 χ^2/NDF: 5.5/3

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 154.404+/-276.477 χ^2/NDF:25.7/17

Out: -147.464+/-280.950 χ^2/NDF:16.7/20

All: 5.891+/-197.061 χ^2/NDF: 43.0/38



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 575.160+/-0.326 χ^2/NDF:74293.1/1

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 579.508+/-0.318 χ^2/NDF:121401.8/1

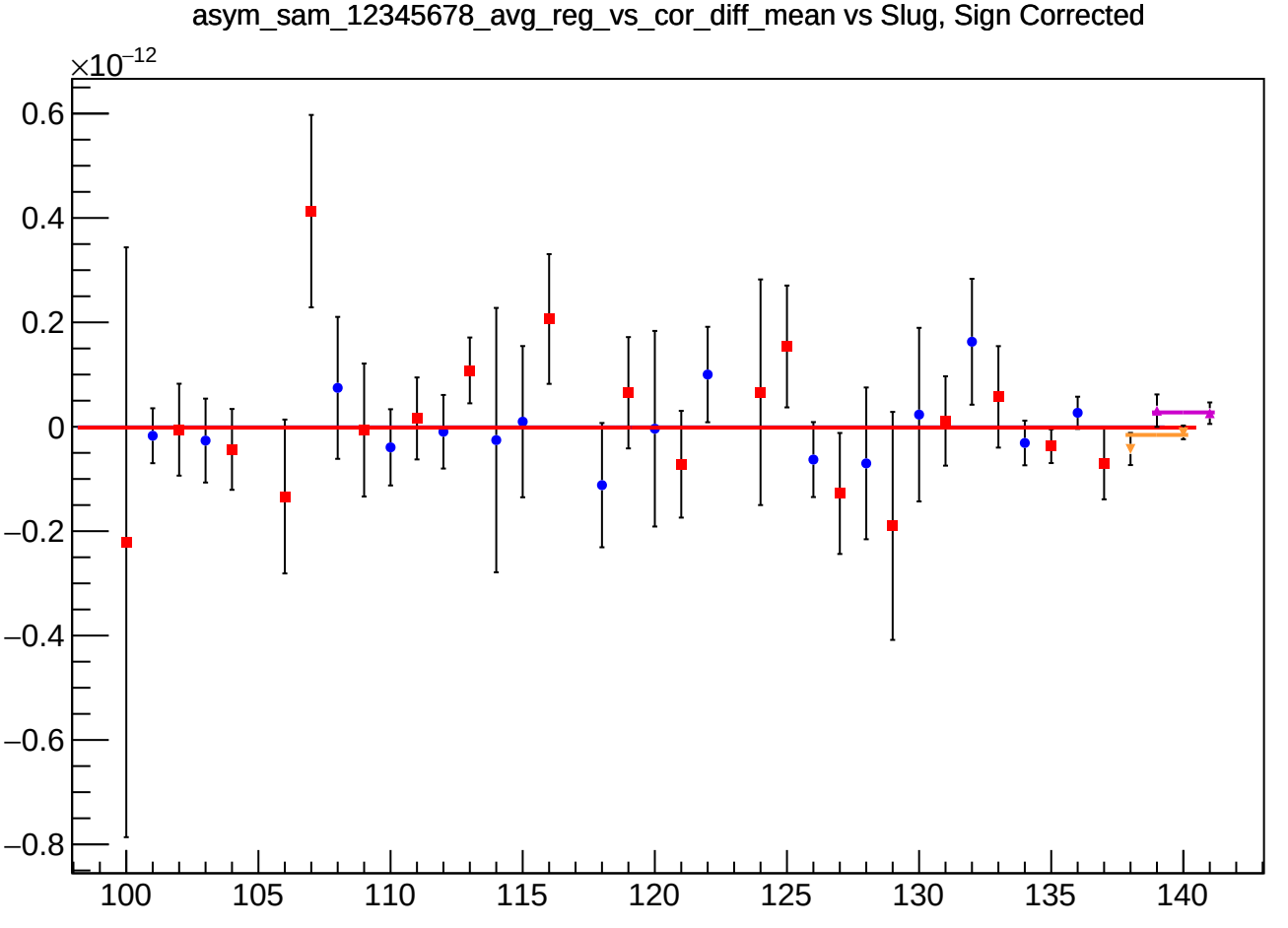
Left: 577.385+/-0.228 χ^2/NDF: 195786.1/3

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 791.597+/-0.195 χ^2/NDF:1343306.1/17

Out: 811.662+/-0.199 χ^2/NDF:1329745.4/20

All: 801.469+/-0.139 χ^2/NDF: 2678234.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.9/1

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

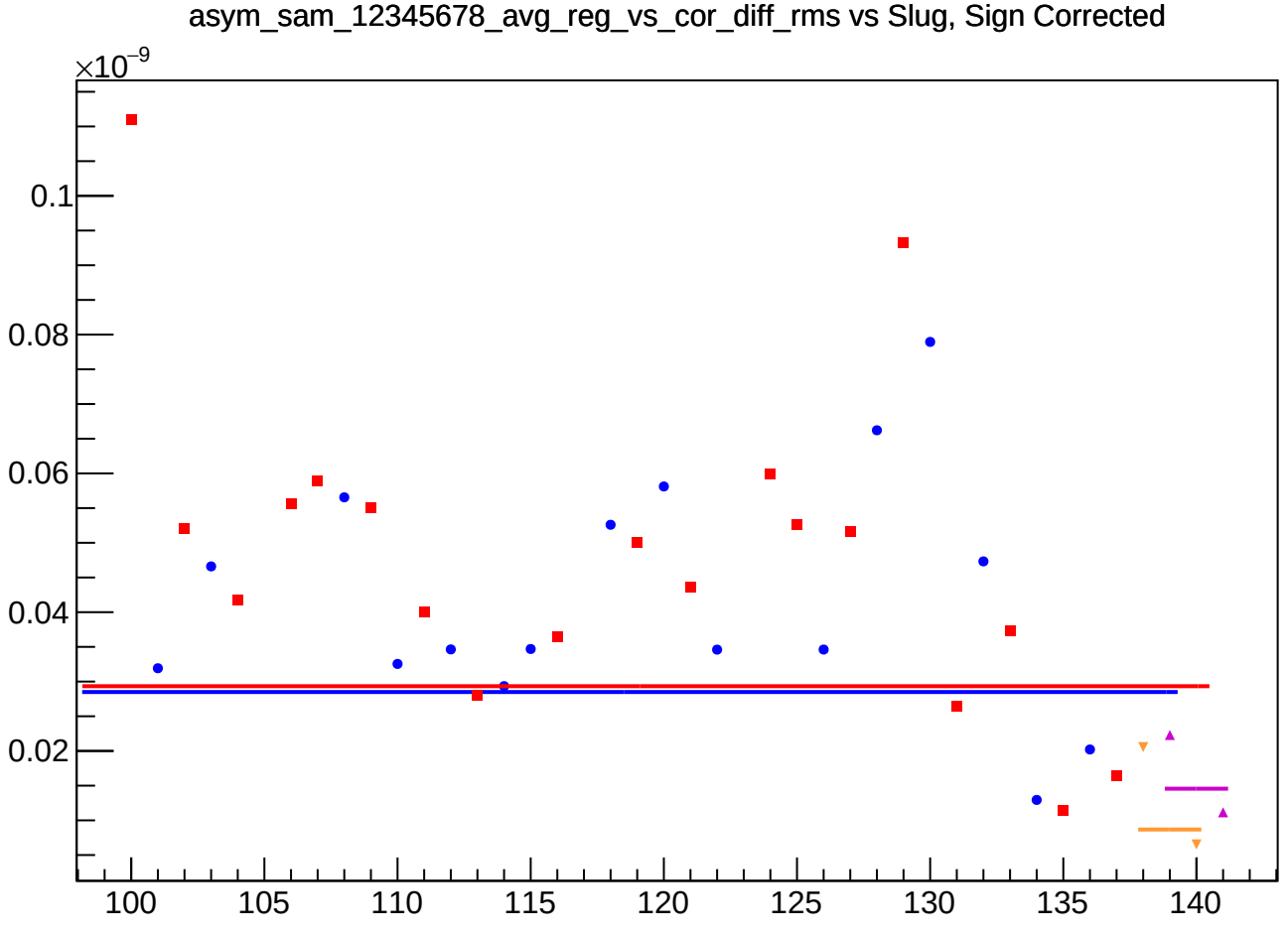
Left: -0.000+/-0.000 χ^2/NDF: 5.1/3

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:8.4/17

Out: -0.000+/-0.000 χ^2/NDF:20.7/20

All: -0.000+/-0.000 χ^2/NDF: 31.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:351148.2/1

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:178784.1/1

Left: 0.000+/-0.000 χ^2/NDF: 687394.7/3

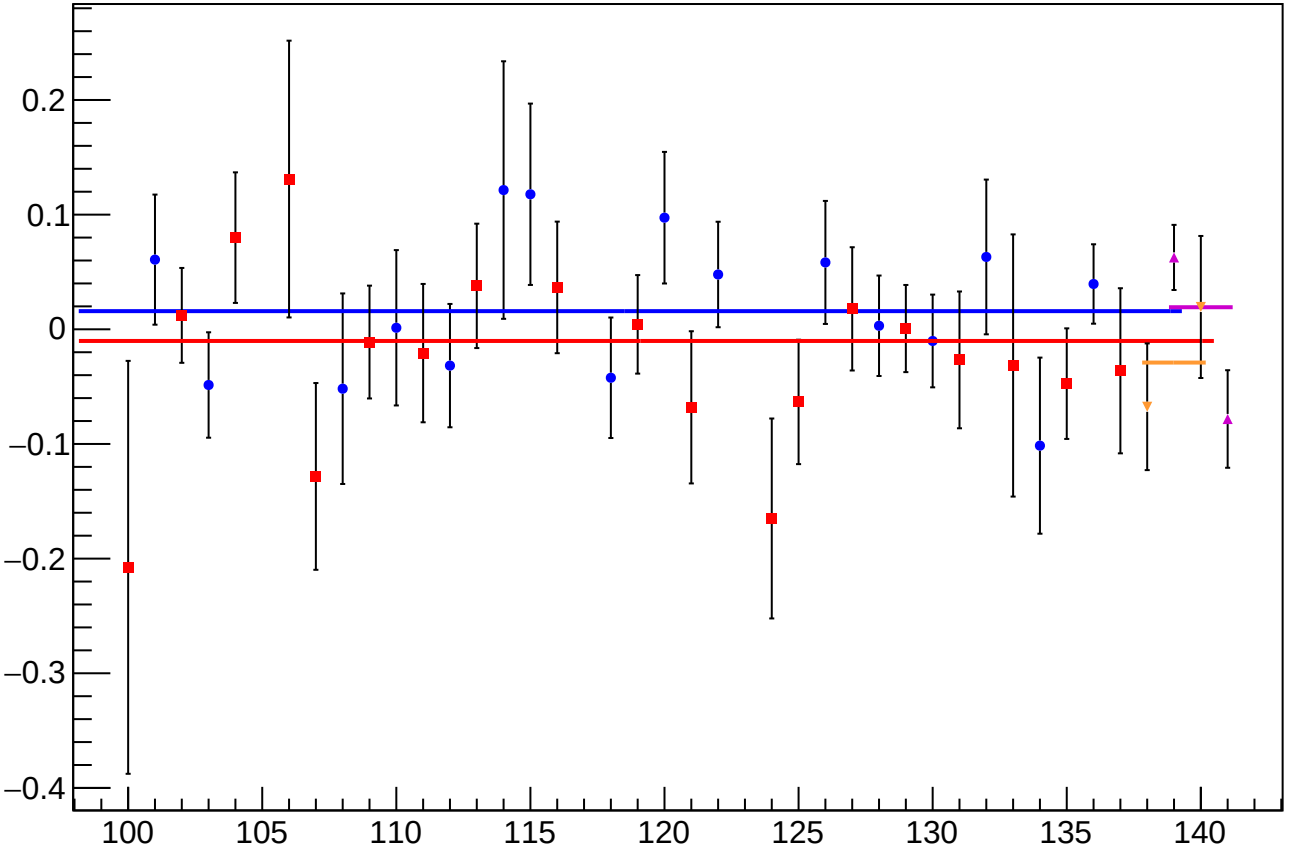
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:1968996.1/17

Out: 0.000+/-0.000 χ^2/NDF:3650565.9/20

All: 0.000+/-0.000 χ^2/NDF: 5982876.1/38

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.029+/-0.041 χ^2/NDF:1.1/1

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.019+/-0.024 χ^2/NDF:7.6/1

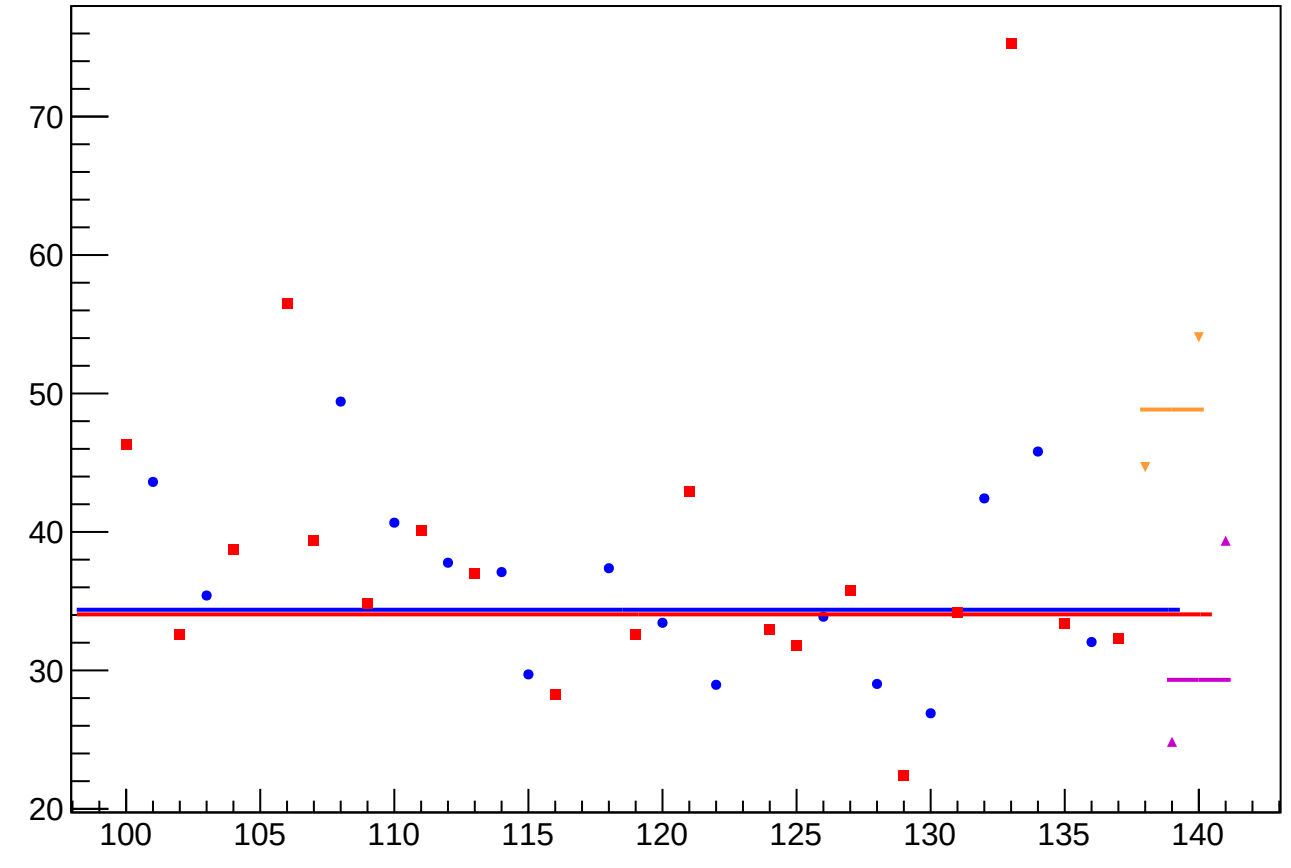
Left: 0.007+/-0.020 χ^2/NDF: 9.7/3

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.017+/-0.012 χ^2/NDF:22.4/17

Out: -0.012+/-0.013 χ^2/NDF:16.4/20

All: 0.003+/-0.009 χ^2/NDF: 41.6/38



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 48.840+/-0.029 χ^2/NDF:25532.9/1

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 29.319+/-0.017 χ^2/NDF:161263.9/1

Left: 34.143+/-0.014 χ^2/NDF: 524371.3/3

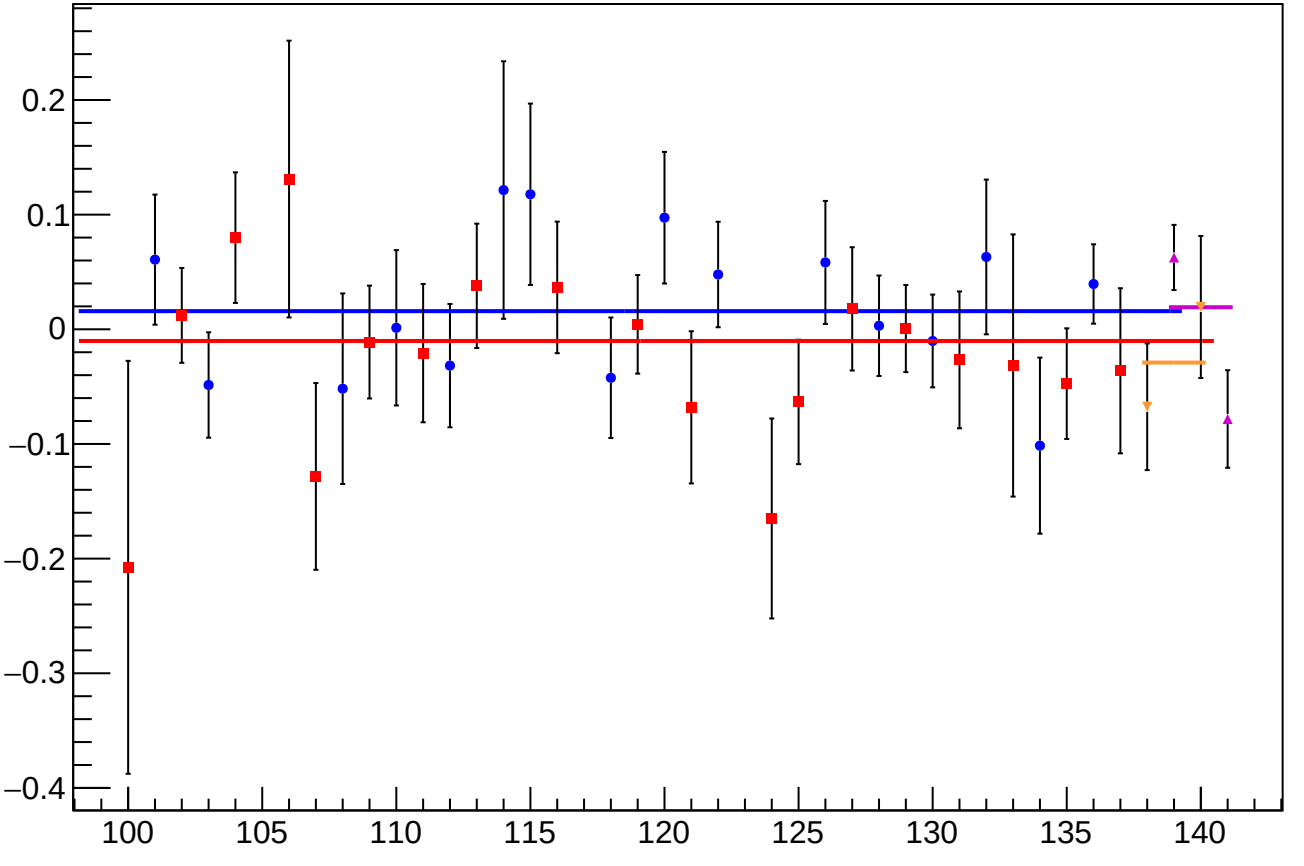
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.150+/-0.008 χ^2/NDF:598670.2/17

Out: 35.424+/-0.009 χ^2/NDF:901738.0/20

All: 34.200+/-0.006 χ^2/NDF: 1535602.5/38

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.029+/-0.041 χ^2/NDF:1.1/1

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.019+/-0.024 χ^2/NDF:7.6/1

Left: 0.007+/-0.020 χ^2/NDF: 9.7/3

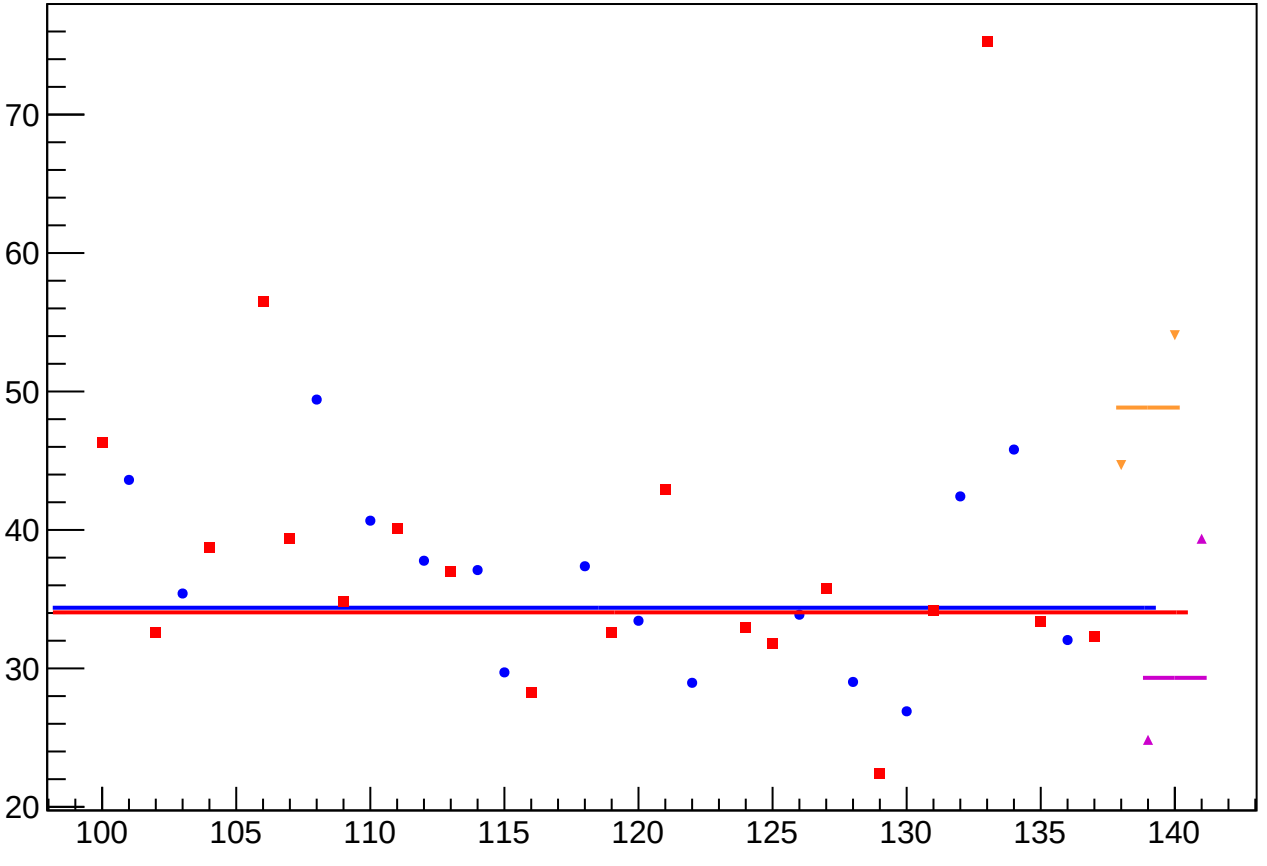
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.017+/-0.012 χ^2/NDF:22.4/17

Out: -0.012+/-0.013 χ^2/NDF:16.4/20

All: 0.003+/-0.009 χ^2/NDF: 41.6/38

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 48.840+/-0.029 χ^2/NDF:25532.9/1

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 29.319+/-0.017 χ^2/NDF:161263.9/1

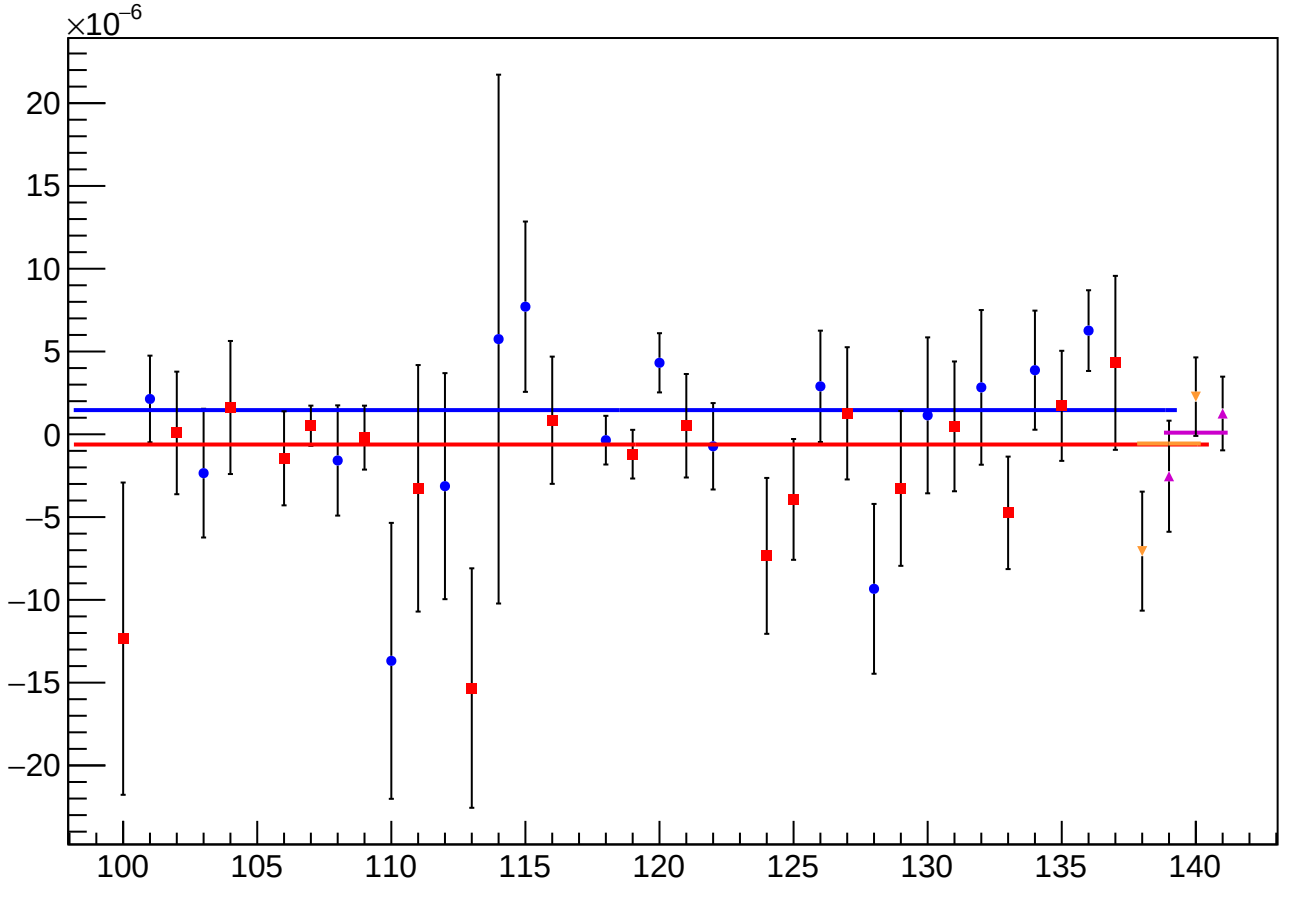
Left: 34.143+/-0.014 χ^2/NDF: 524371.3/3

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.150+/-0.008 χ^2/NDF:598670.2/17

Out: 35.424+/-0.009 χ^2/NDF:901738.0/20

All: 34.200+/-0.006 χ^2/NDF: 1535602.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/1

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

Left: -0.000+/-0.000 χ^2/NDF: 5.6/3

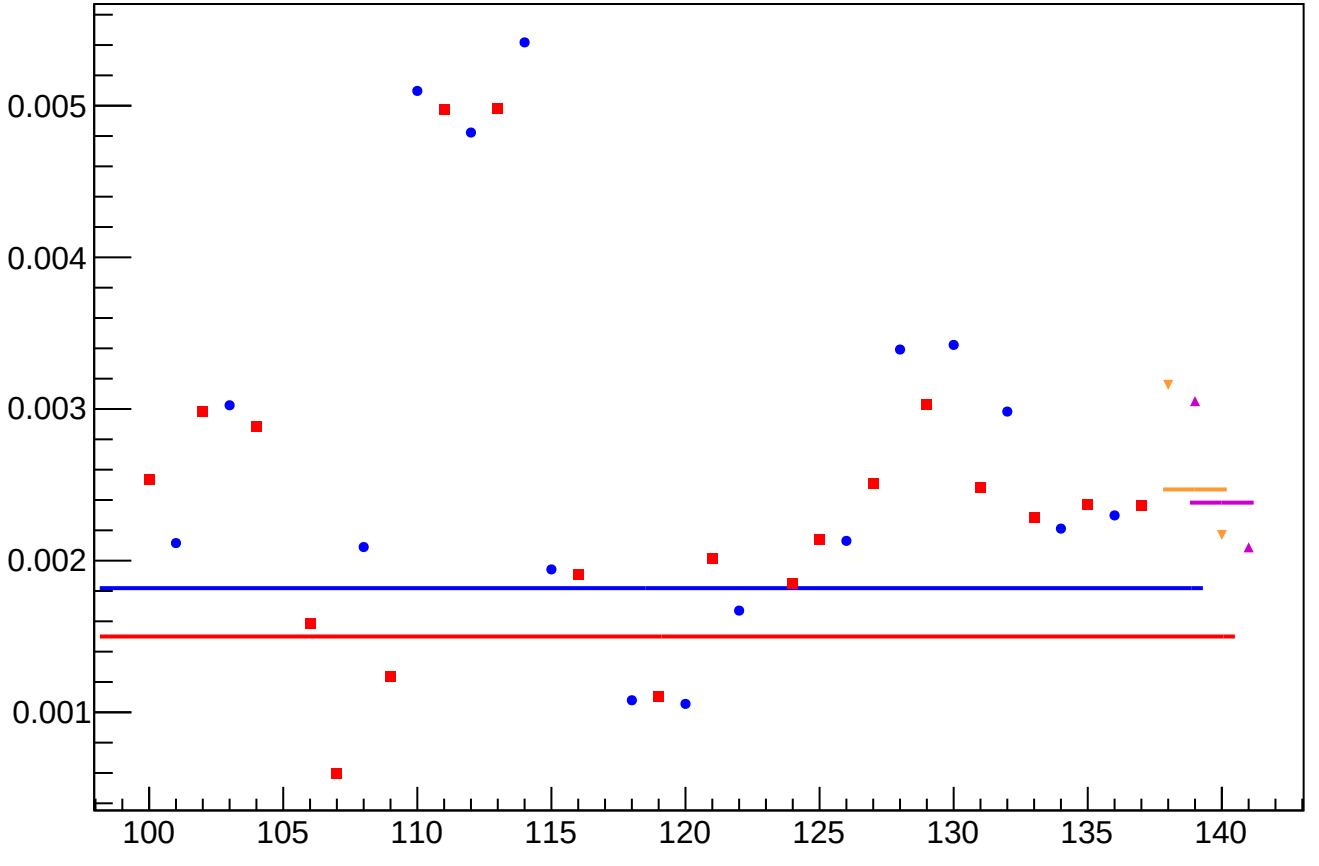
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/17

Out: -0.000+/-0.000 χ^2/NDF:18.6/20

All: 0.000+/-0.000 χ^2/NDF: 45.0/38

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:105654.9/1

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:114688.8/1

Left: 0.002+/-0.000 χ^2/NDF: 222395.9/3

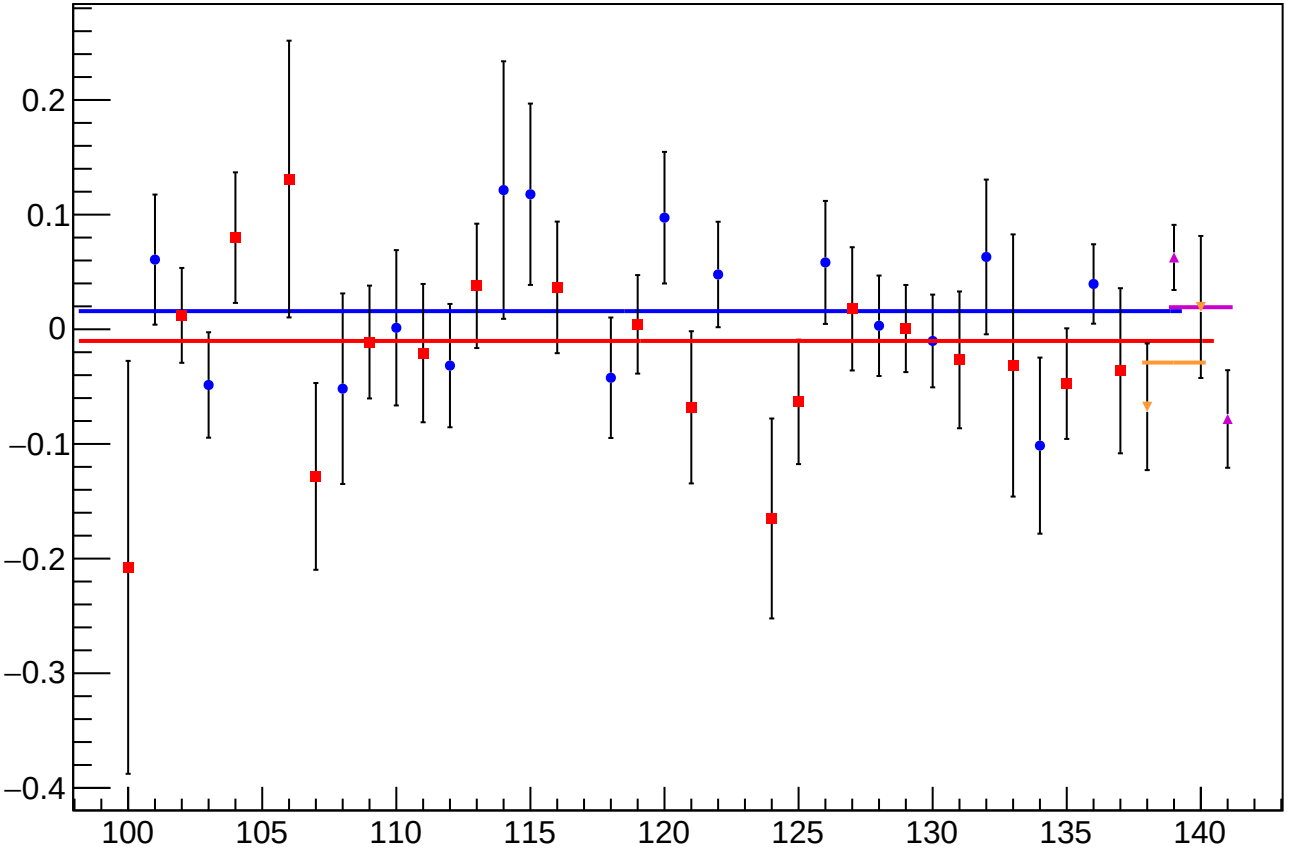
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:2843712.6/17

Out: 0.002+/-0.000 χ^2/NDF:4228881.1/20

All: 0.002+/-0.000 χ^2/NDF: 7288223.6/38

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.029+/-0.041 χ^2/NDF:1.1/1

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.019+/-0.024 χ^2/NDF:7.6/1

Left: 0.007+/-0.020 χ^2/NDF: 9.7/3

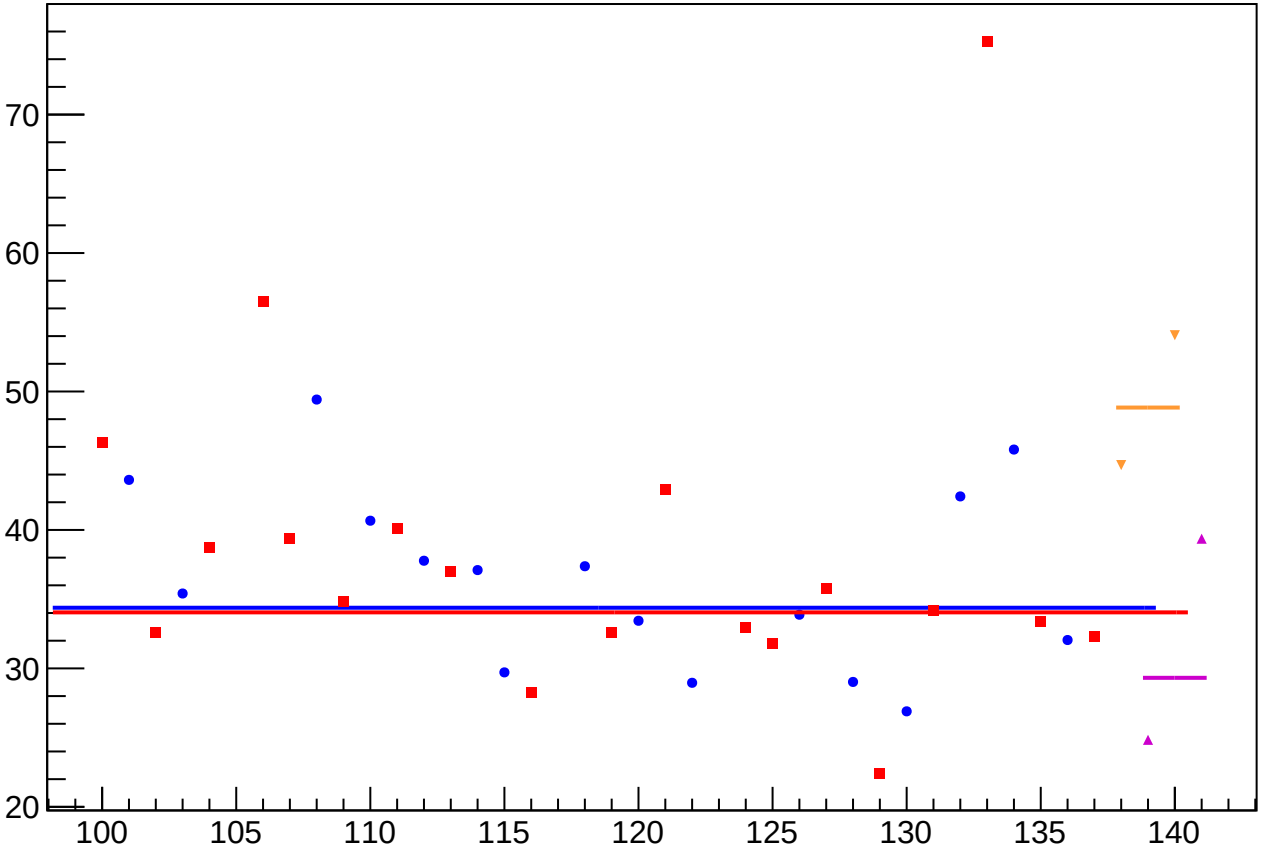
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.017+/-0.012 χ^2/NDF:22.4/17

Out: -0.012+/-0.013 χ^2/NDF:16.4/20

All: 0.003+/-0.009 χ^2/NDF: 41.6/38

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 48.840+/-0.029 χ^2/NDF:25538.2/1

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 29.319+/-0.017 χ^2/NDF:161266.8/1

Left: 34.143+/-0.014 χ^2/NDF: 524368.7/3

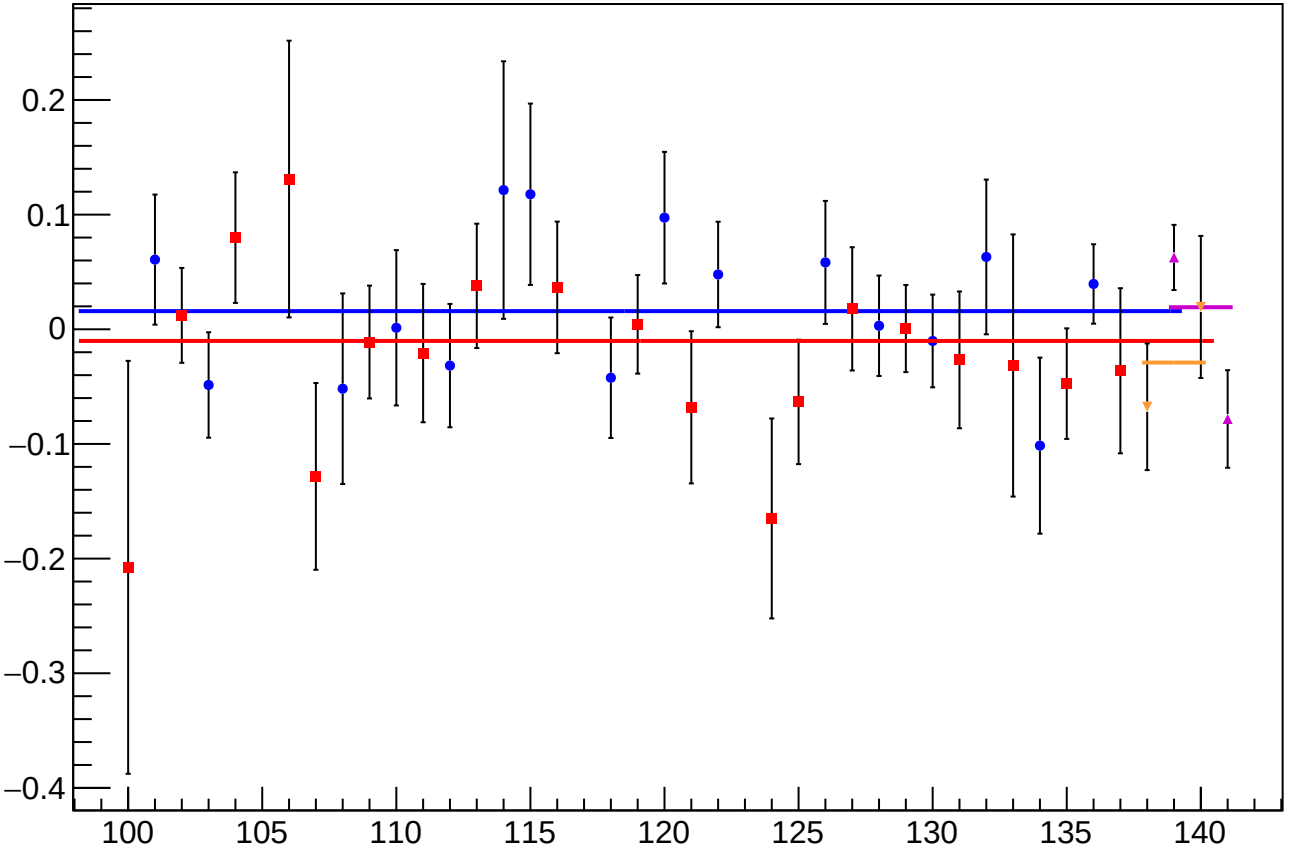
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.149+/-0.008 χ^2/NDF:598702.8/17

Out: 35.424+/-0.009 χ^2/NDF:901803.5/20

All: 34.200+/-0.006 χ^2/NDF: 1535700.0/38

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.029+/-0.041 χ^2/NDF:1.1/1

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.019+/-0.024 χ^2/NDF:7.6/1

Left: 0.007+/-0.020 χ^2/NDF: 9.7/3

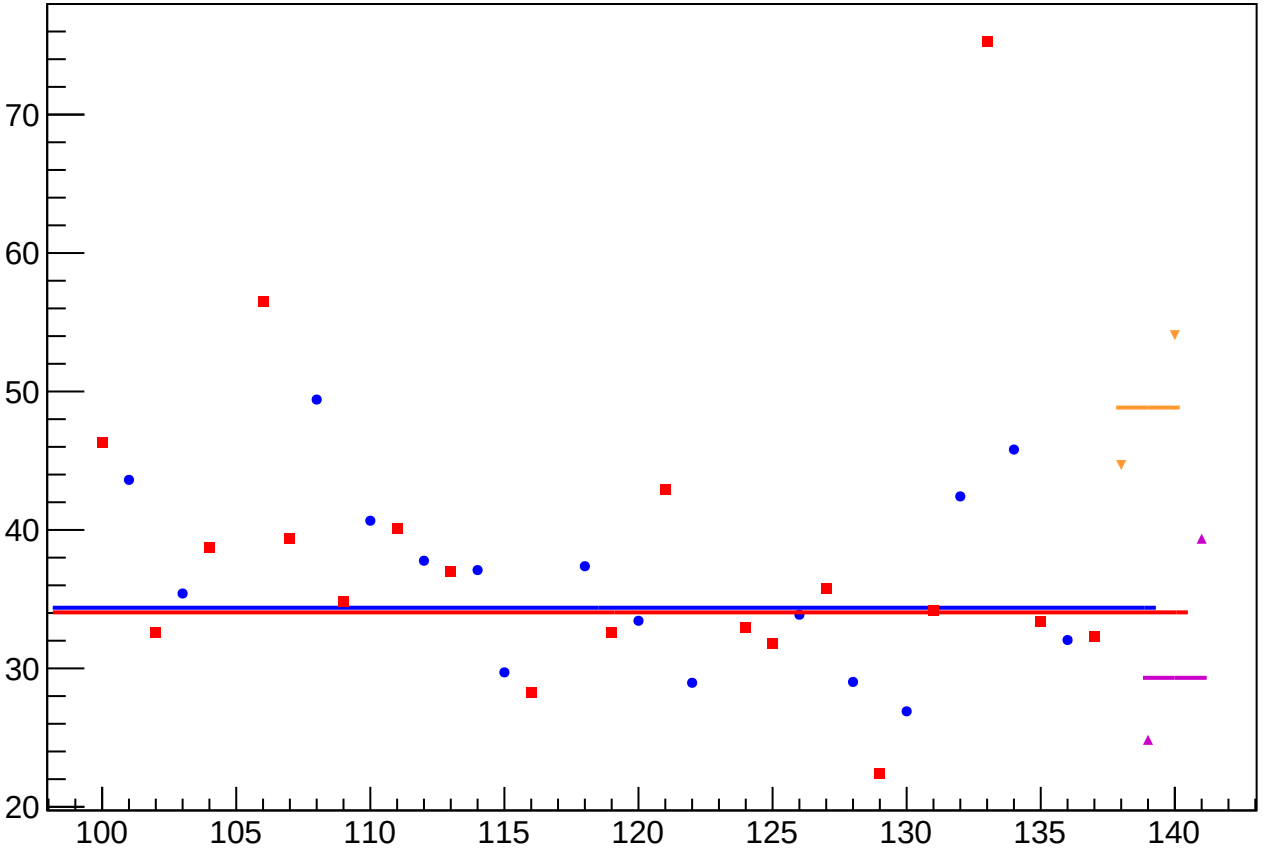
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.017+/-0.012 χ^2/NDF:22.4/17

Out: -0.012+/-0.013 χ^2/NDF:16.4/20

All: 0.003+/-0.009 χ^2/NDF: 41.6/38

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 48.840+/-0.029 χ^2/NDF:25538.2/1

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 29.319+/-0.017 χ^2/NDF:161266.8/1

Left: 34.143+/-0.014 χ^2/NDF: 524368.7/3

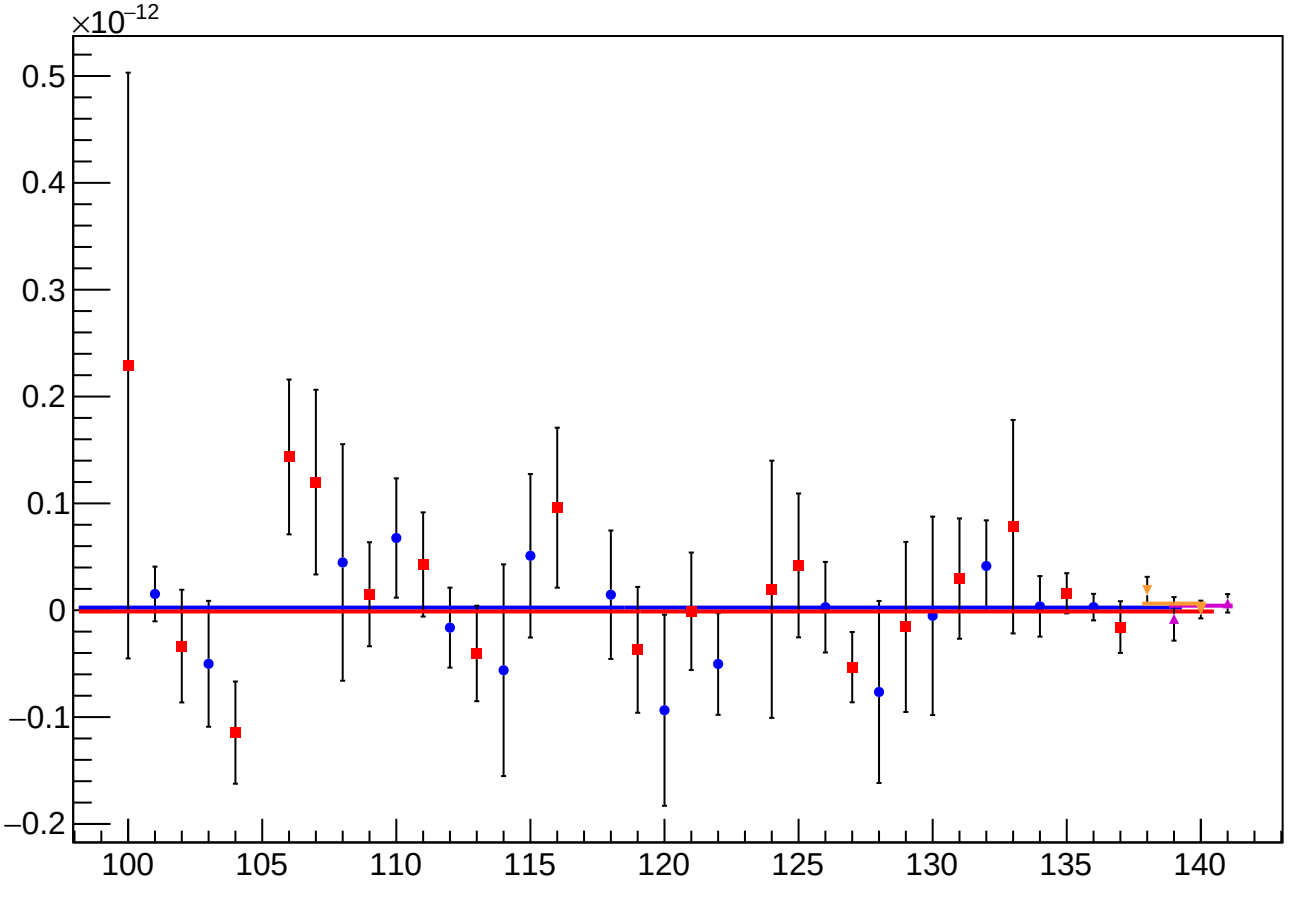
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.149+/-0.008 χ^2/NDF:598702.8/17

Out: 35.424+/-0.009 χ^2/NDF:901803.5/20

All: 34.200+/-0.006 χ^2/NDF: 1535700.0/38

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/1

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

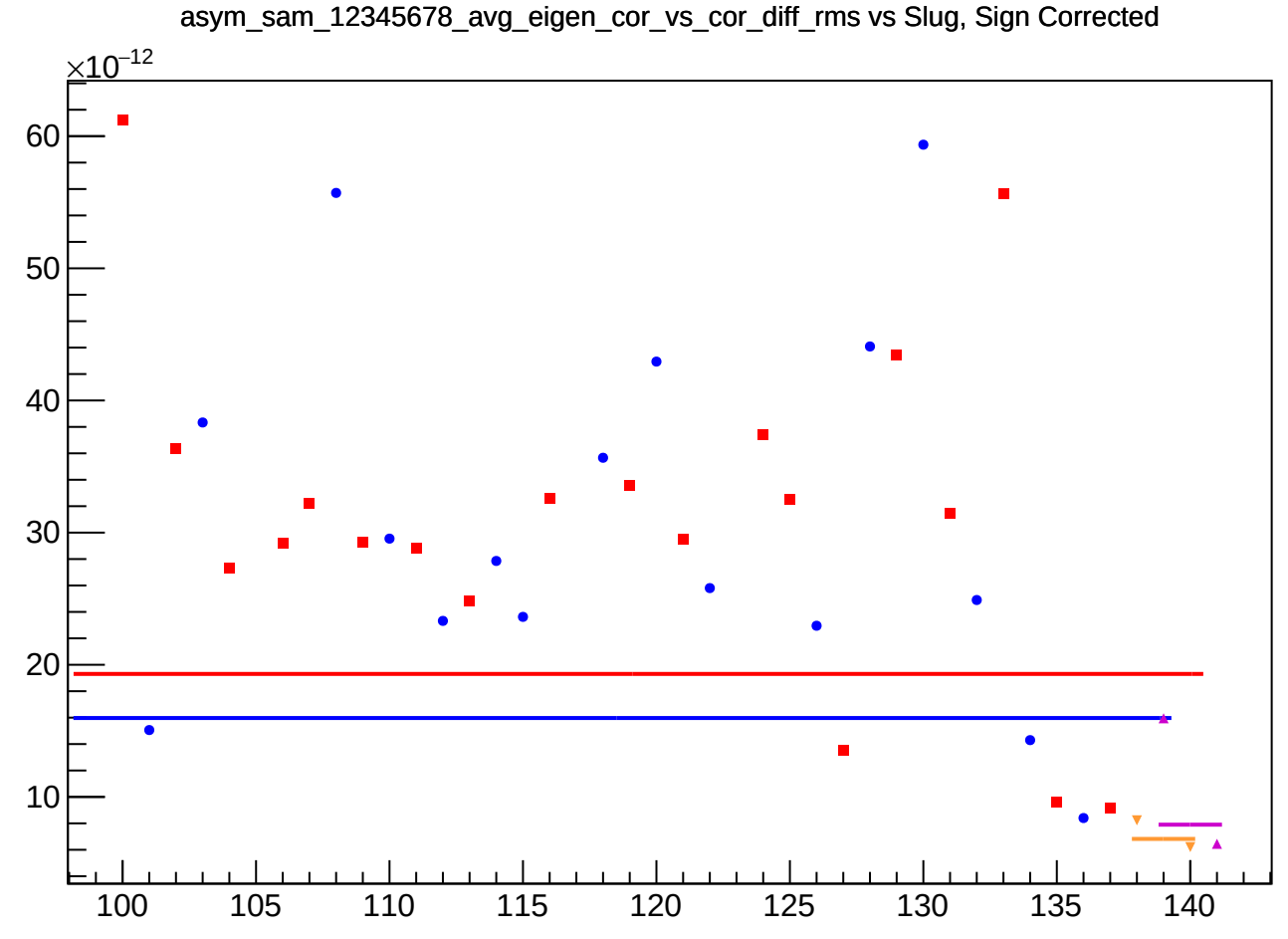
Left: 0.000+/-0.000 χ^2/NDF: 1.9/3

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:8.1/17

Out: 0.000+/-0.000 χ^2/NDF:23.3/20

All: 0.000+/-0.000 χ^2/NDF: 31.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:36655.7/1

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:368453.8/1

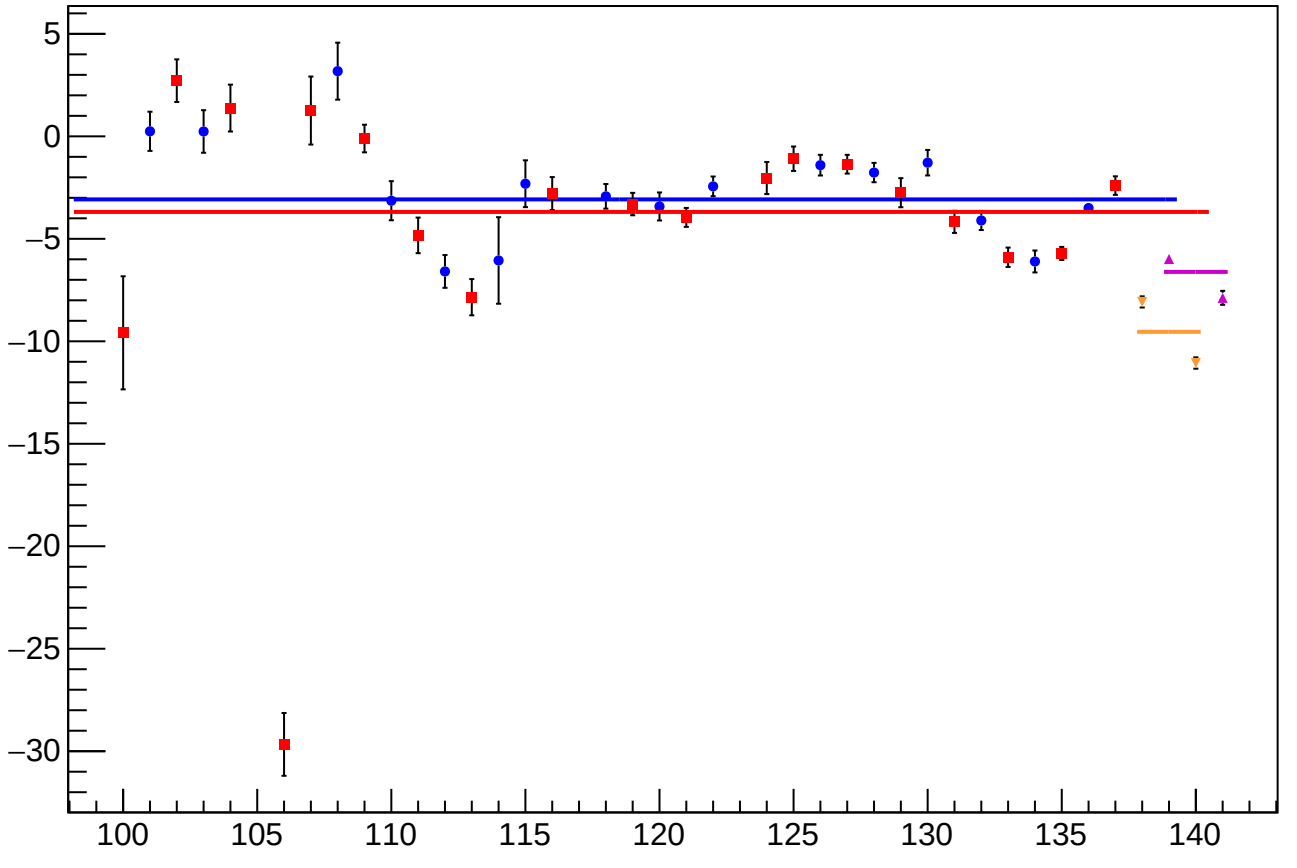
Left: 0.000+/-0.000 χ^2/NDF: 426100.5/3

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:4125509.0/17

Out: 0.000+/-0.000 χ^2/NDF:4532914.8/20

All: 0.000+/-0.000 χ^2/NDF: 8678911.0/38



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -9.537+/-0.194 χ^2/NDF:58.9/1

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.614+/-0.196 χ^2/NDF:20.8/1

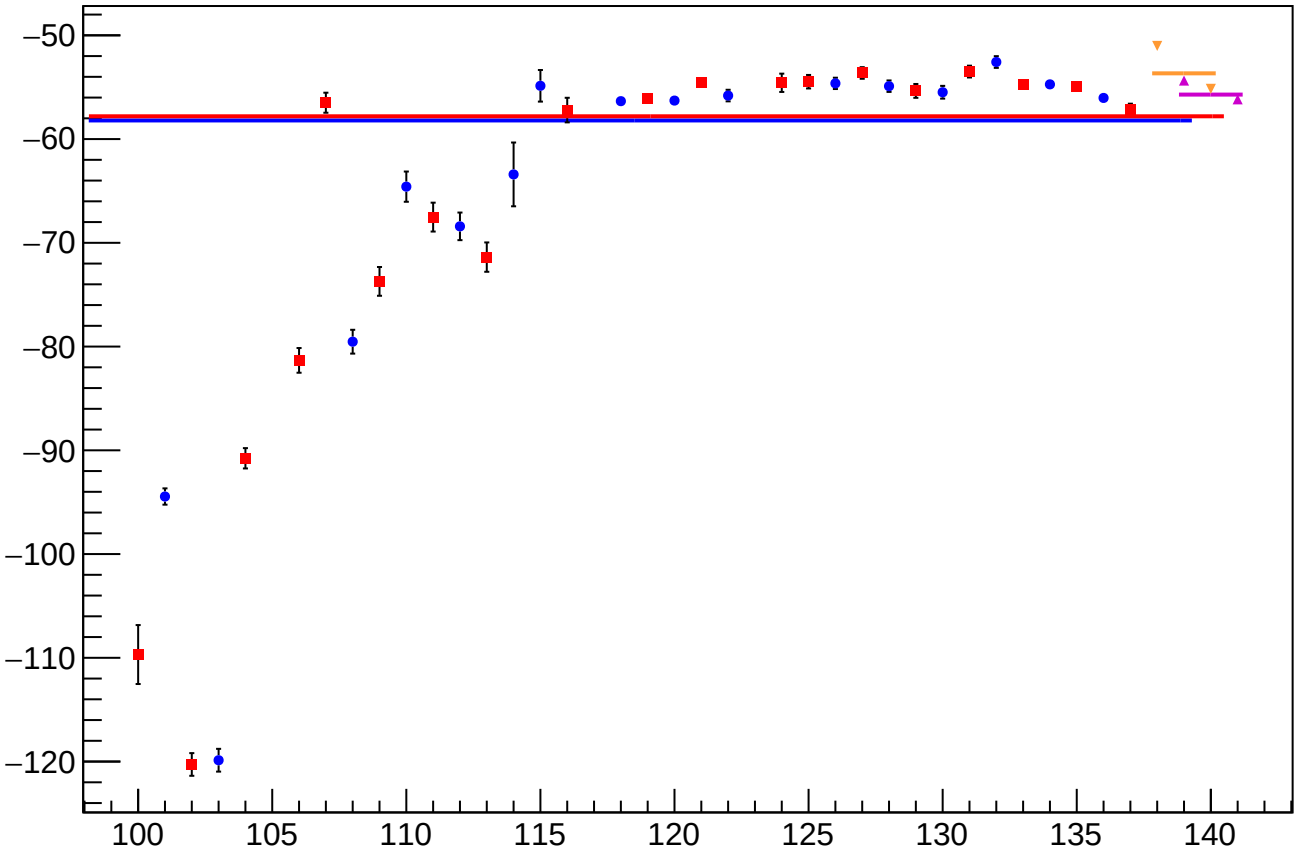
Left: -8.090+/-0.138 χ^2/NDF: 191.8/3

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -4.217+/-0.111 χ^2/NDF:375.2/17

Out: -5.692+/-0.114 χ^2/NDF:1190.3/20

All: -4.939+/-0.080 χ^2/NDF: 1651.4/38



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -53.664+/-0.188 χ^2/NDF:111.5/1

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -55.712+/-0.217 χ^2/NDF:13.1/1

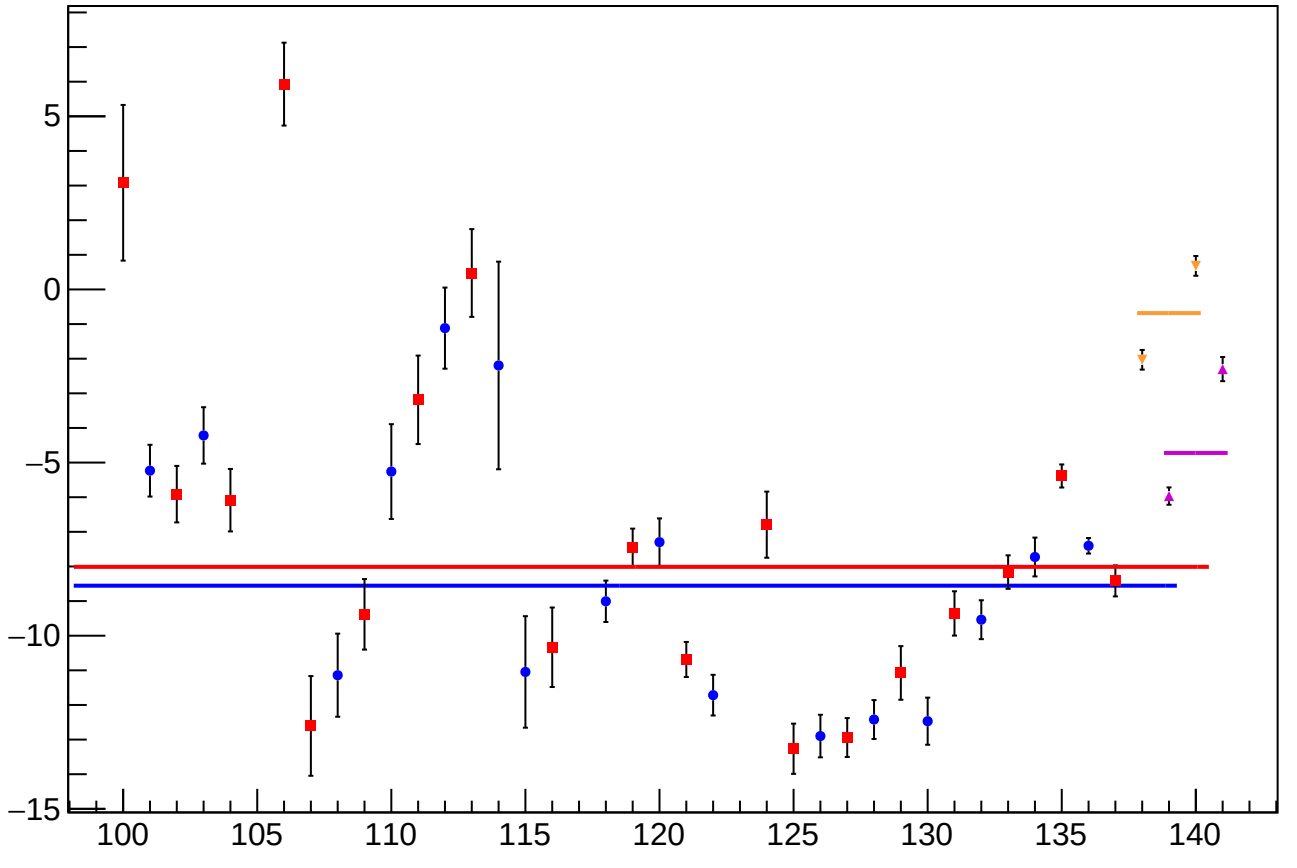
Left: -54.541+/-0.142 χ^2/NDF: 175.3/3

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -57.507+/-0.115 χ^2/NDF:6234.6/17

Out: -56.349+/-0.112 χ^2/NDF:6218.3/20

All: -56.910+/-0.080 χ^2/NDF: 12505.1/38



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -0.682+/-0.201 χ^2/NDF:45.4/1

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -4.722+/-0.203 χ^2/NDF:73.0/1

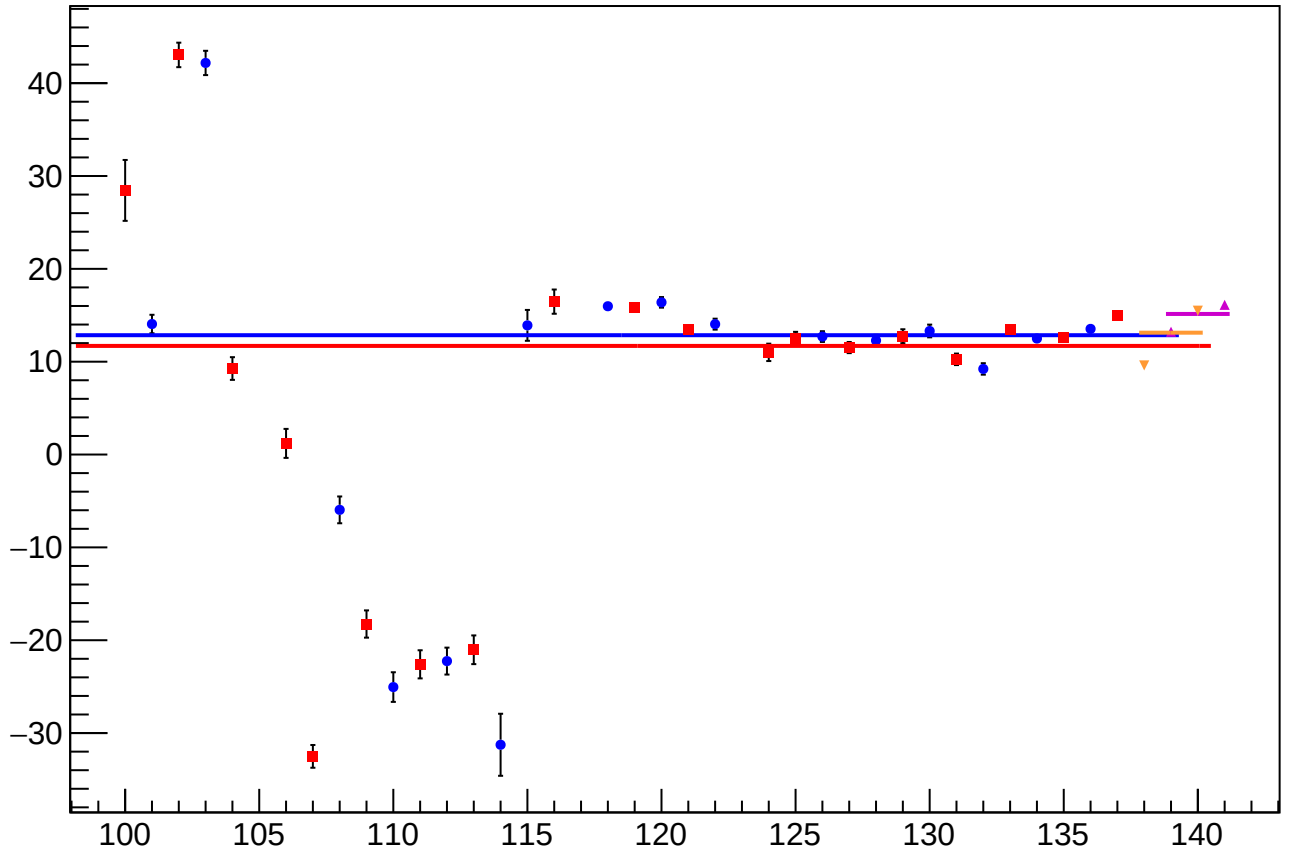
Left: -2.683+/-0.143 χ^2/NDF: 317.7/3

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.266+/-0.118 χ^2/NDF:609.7/17

Out: -5.330+/-0.122 χ^2/NDF:1374.8/20

All: -6.329+/-0.085 χ^2/NDF: 2115.0/38



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.125+/-0.217 χ^2/NDF:176.7/1

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 15.142+/-0.242 χ^2/NDF:32.2/1

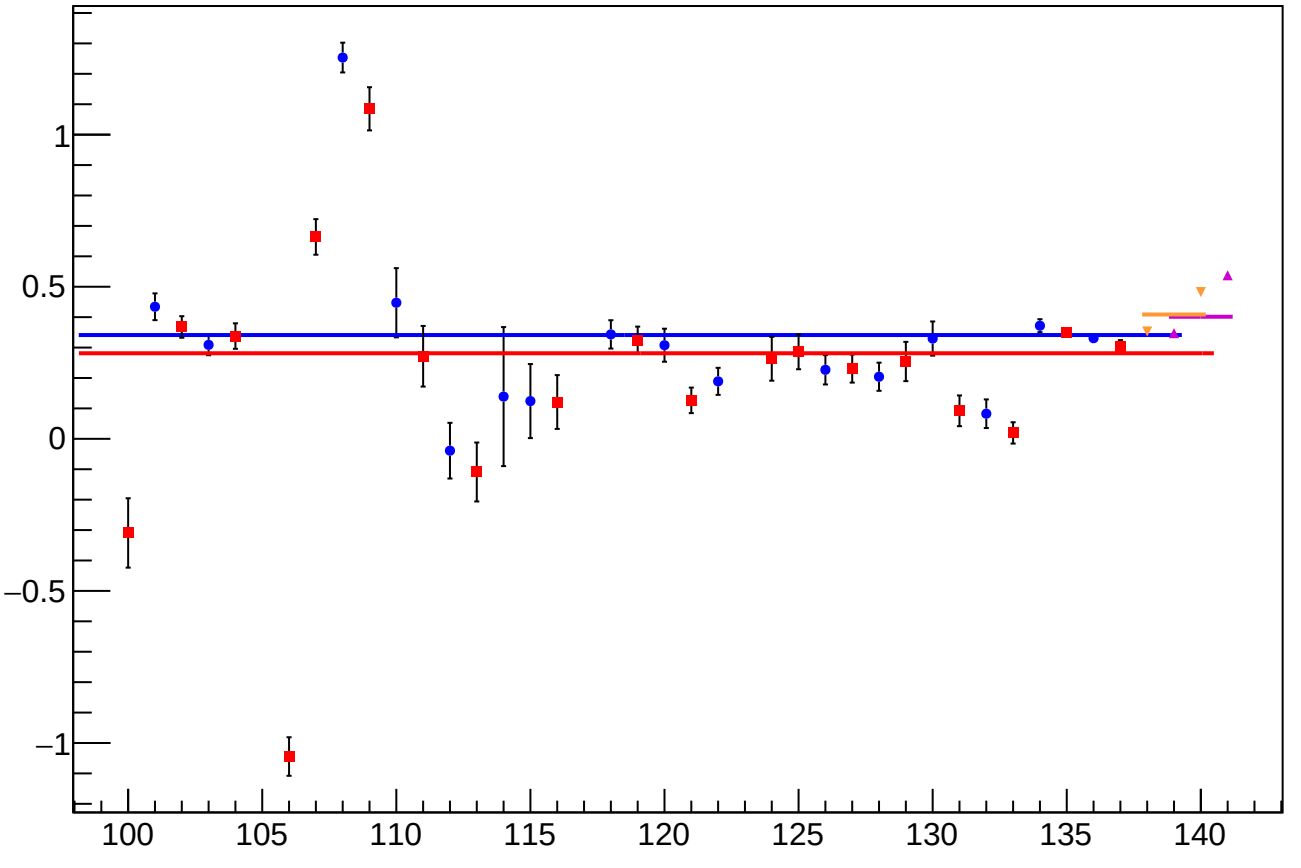
Left: 14.027+/-0.162 χ^2/NDF: 247.4/3

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.491+/-0.128 χ^2/NDF:2225.3/17

Out: 12.180+/-0.126 χ^2/NDF:3704.0/20

All: 12.828+/-0.090 χ^2/NDF: 5982.6/38



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.409+/-0.008 χ^2/NDF:60.0/1

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.401+/-0.008 χ^2/NDF:128.8/1

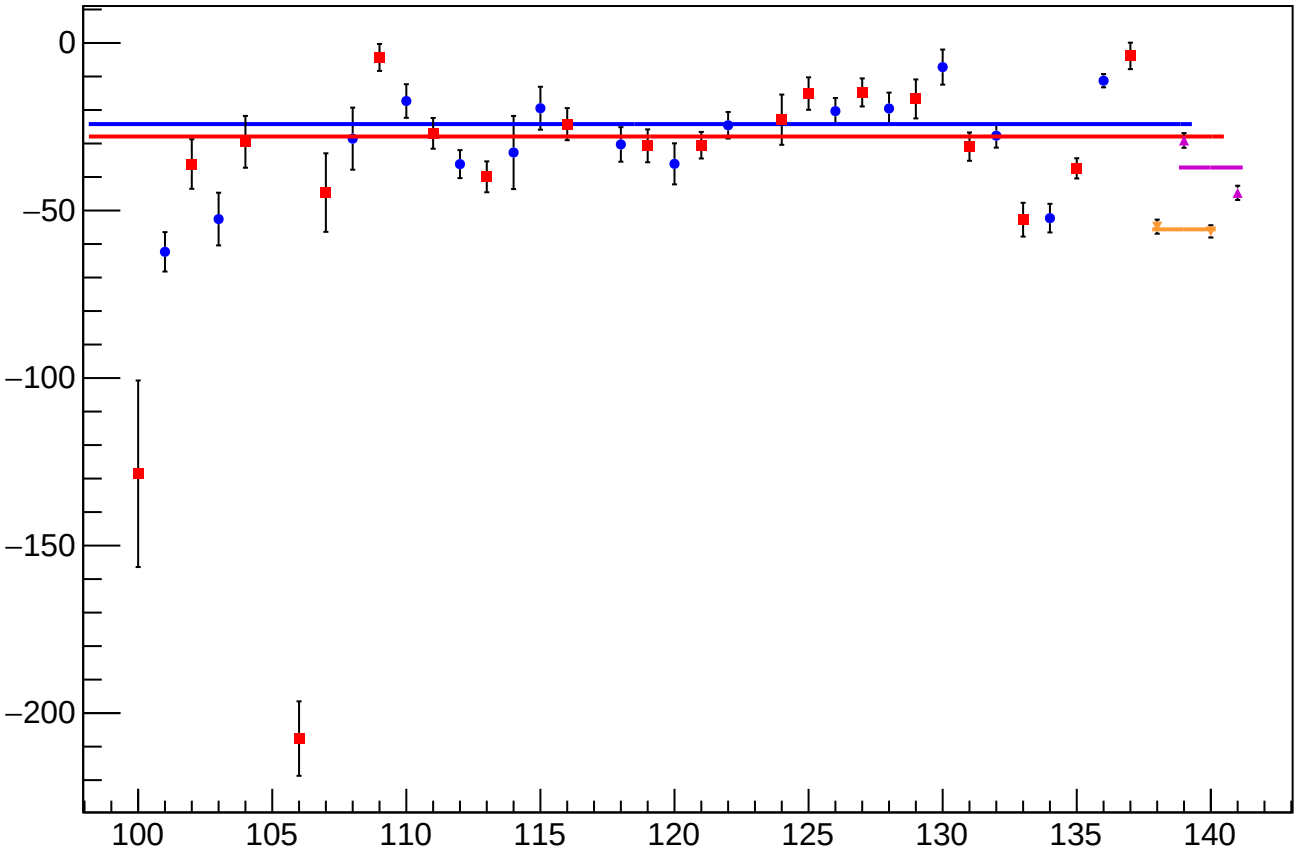
Left: 0.405+/-0.006 χ^2/NDF: 189.2/3

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.373+/-0.005 χ^2/NDF:594.0/17

Out: 0.346+/-0.006 χ^2/NDF:953.1/20

All: 0.361+/-0.004 χ^2/NDF: 1557.6/38



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -55.618+/-1.383 χ^2/NDF:0.3/1

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -37.165+/-1.533 χ^2/NDF:26.0/1

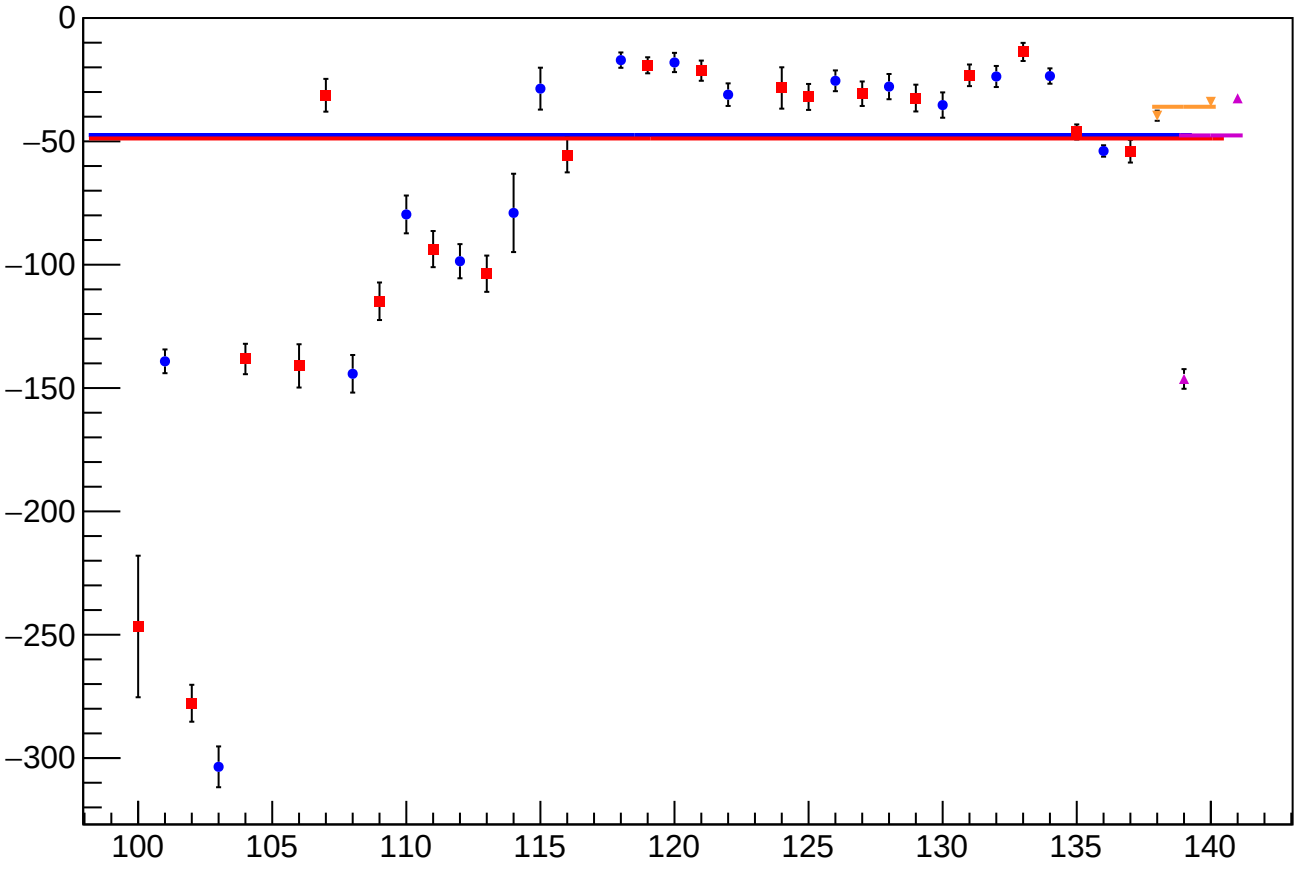
Left: -47.336+/-1.027 χ^2/NDF: 106.1/3

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -28.538+/-0.886 χ^2/NDF:244.3/17

Out: -39.081+/-0.878 χ^2/NDF:653.2/20

All: -33.858+/-0.624 χ^2/NDF: 968.9/38



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -35.976+/-1.222 χ^2/NDF:4.8/1

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -47.596+/-1.450 χ^2/NDF:707.1/1

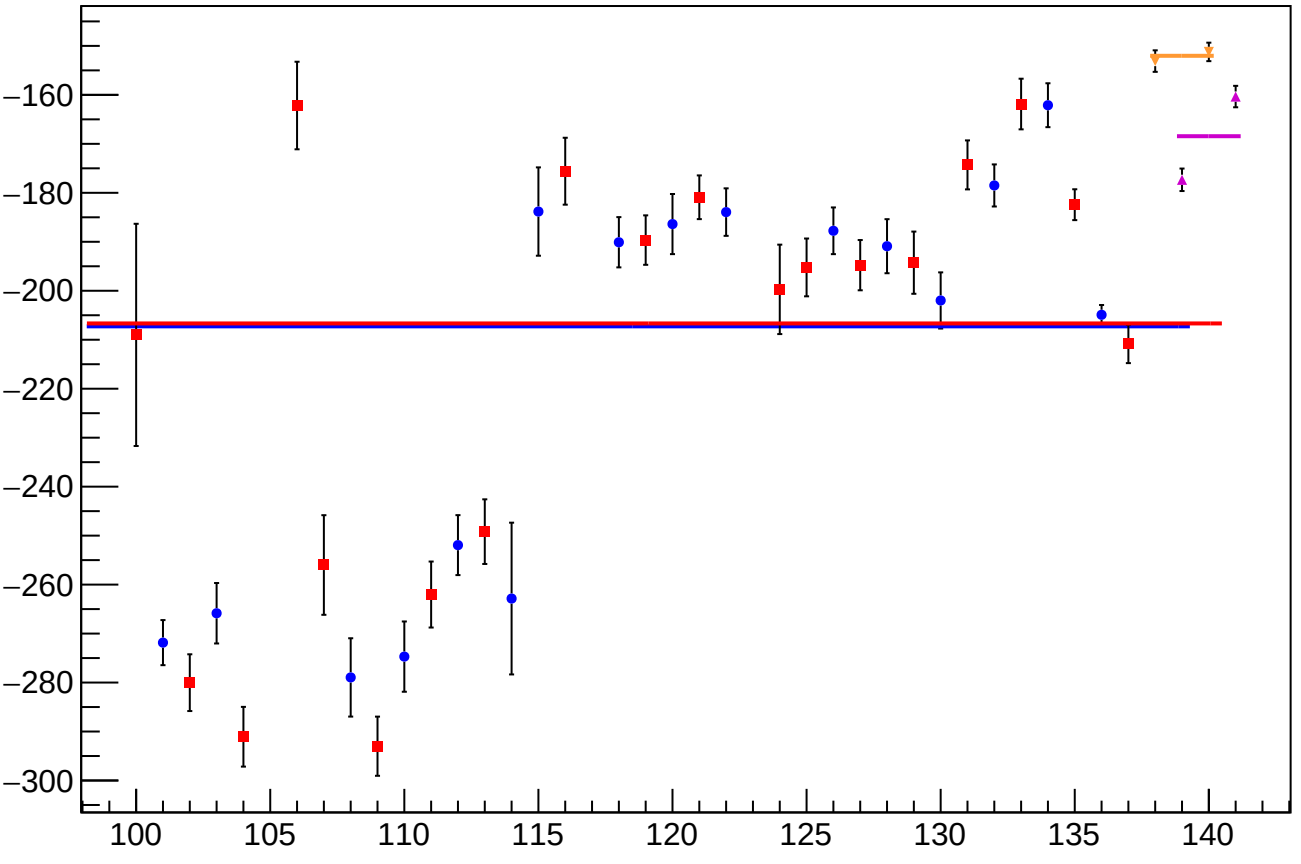
Left: -40.804+/-0.934 χ^2/NDF: 749.5/3

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -47.485+/-0.877 χ^2/NDF:2580.6/17

Out: -42.617+/-0.850 χ^2/NDF:1836.6/20

All: -44.975+/-0.610 χ^2/NDF: 4433.0/38



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -152.023+/-1.431 χ^2/NDF:0.4/1

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -168.441+/-1.584 χ^2/NDF:28.7/1

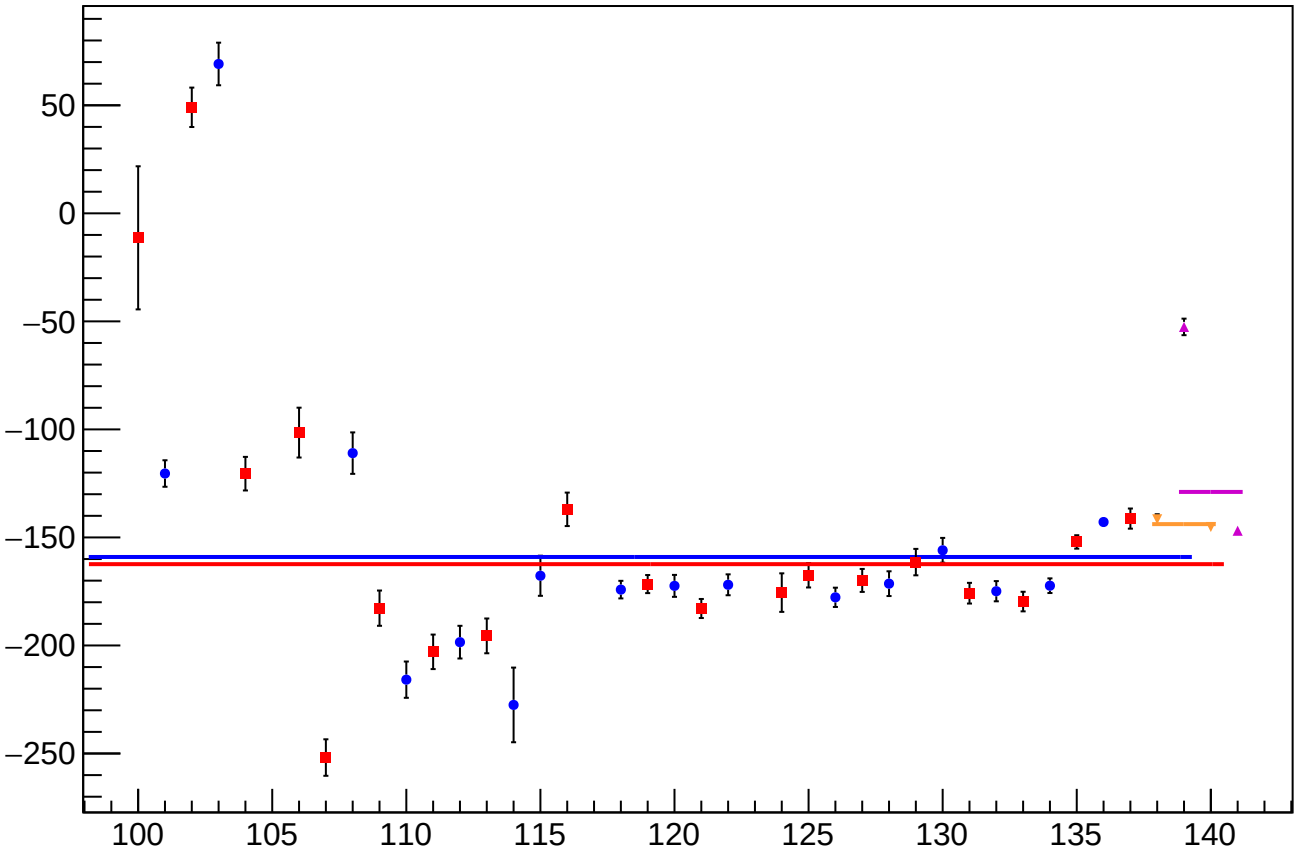
Left: -159.401+/-1.062 χ^2/NDF: 88.3/3

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -193.437+/-0.945 χ^2/NDF:1163.9/17

Out: -182.396+/-0.954 χ^2/NDF:1780.3/20

All: -187.965+/-0.671 χ^2/NDF: 3011.8/38



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -143.839+/-1.446 χ^2/NDF:1.4/1

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -128.940+/-1.668 χ^2/NDF:492.9/1

Left: -137.447+/-1.093 χ^2/NDF: 539.9/3

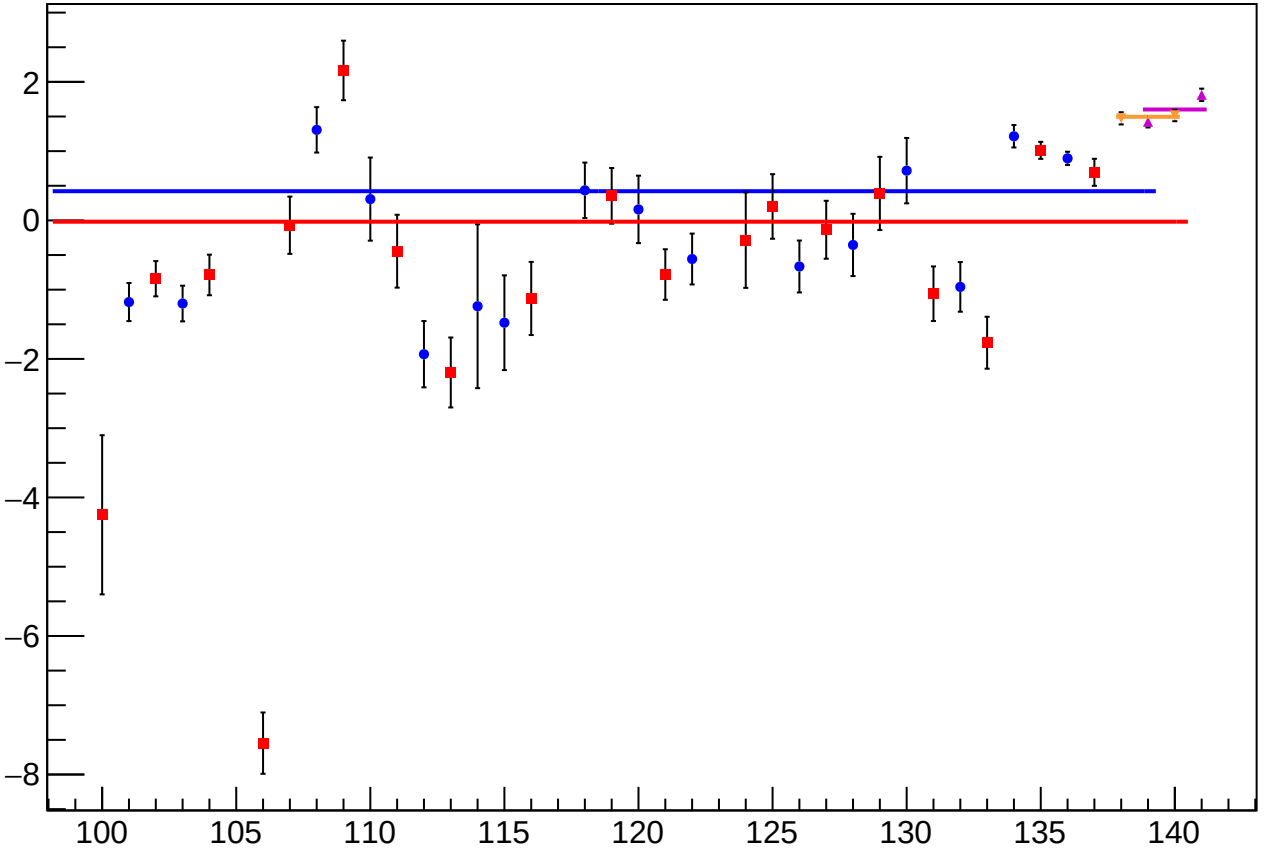
Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -148.495+/-0.988 χ^2/NDF:1520.3/17

Out: -153.918+/-0.977 χ^2/NDF:963.3/20

All: -151.237+/-0.694 χ^2/NDF: 2498.8/38

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.496+/-0.061 χ^2/NDF:0.1/1

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.601+/-0.061 χ^2/NDF:10.3/1

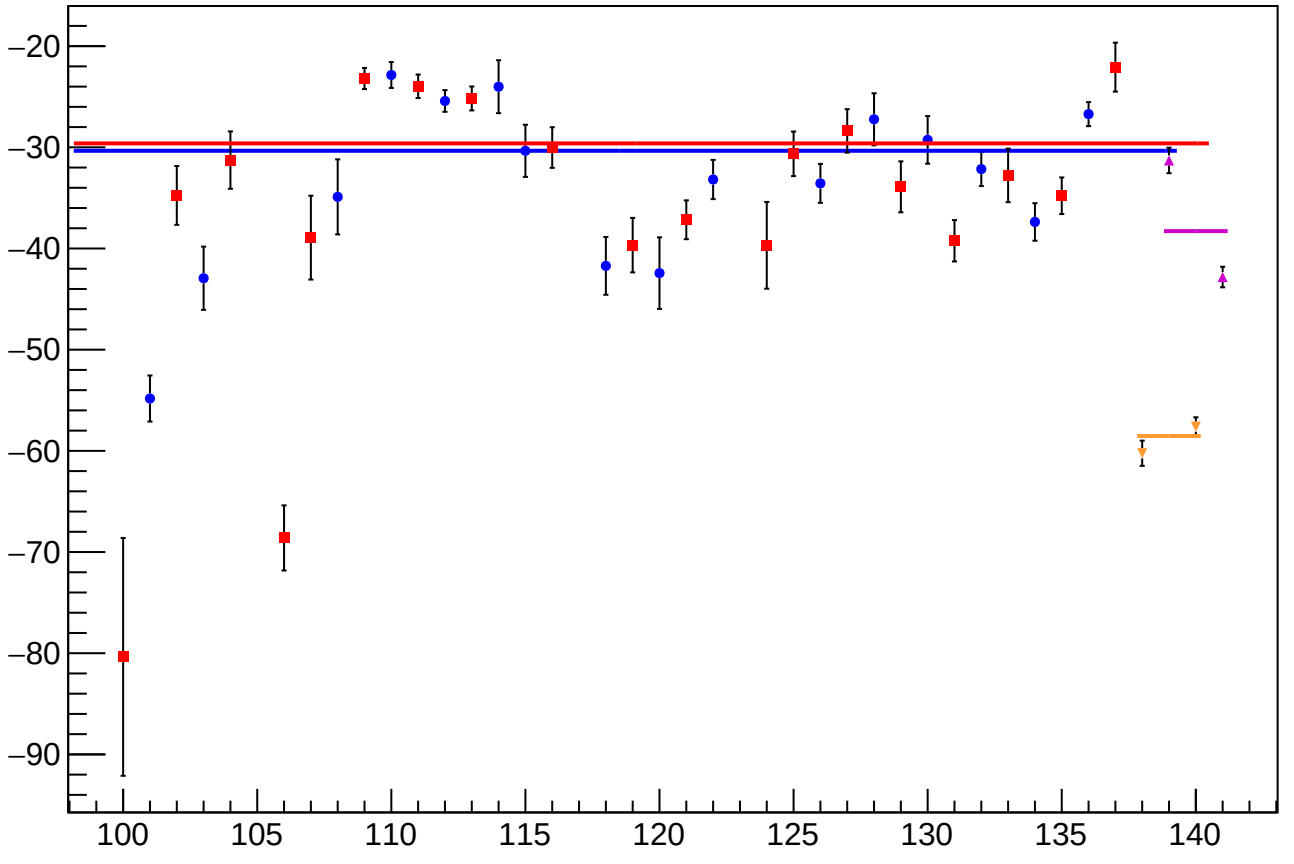
Left: 1.549+/-0.043 χ^2/NDF: 11.9/3

Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.052+/-0.044 χ^2/NDF:385.0/17

Out: 0.869+/-0.047 χ^2/NDF:745.5/20

All: 0.965+/-0.032 χ^2/NDF: 1138.5/38



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -58.533+/-0.741 χ^2/NDF:2.9/1

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -38.281+/-0.790 χ^2/NDF:50.8/1

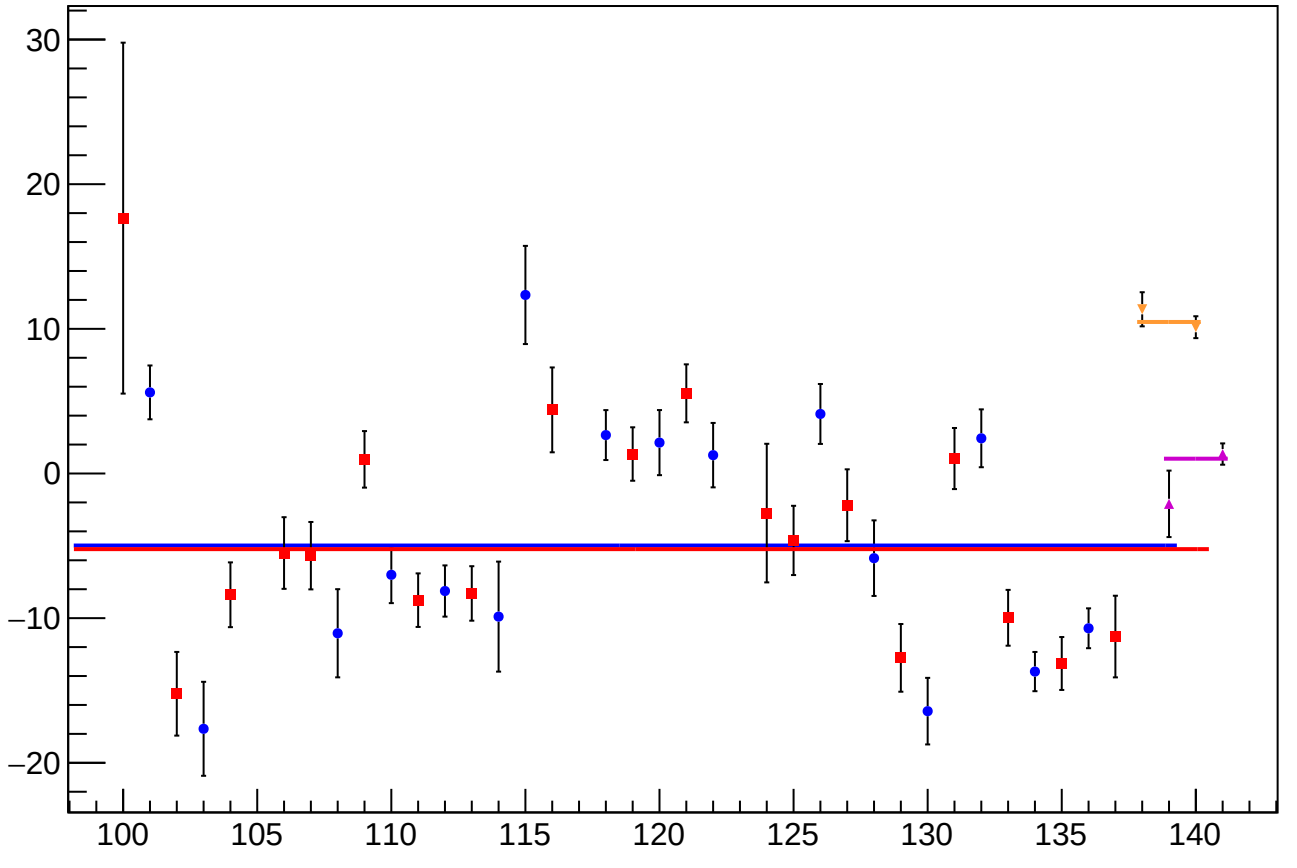
Left: -49.055+/-0.540 χ^2/NDF: 403.2/3

Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -32.403+/-0.403 χ^2/NDF:379.1/17

Out: -37.417+/-0.385 χ^2/NDF:1444.3/20

All: -35.022+/-0.278 χ^2/NDF: 1904.5/38



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 10.475+/-0.637 χ^2/NDF:0.8/1

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: 1.024+/-0.701 χ^2/NDF:2.0/1

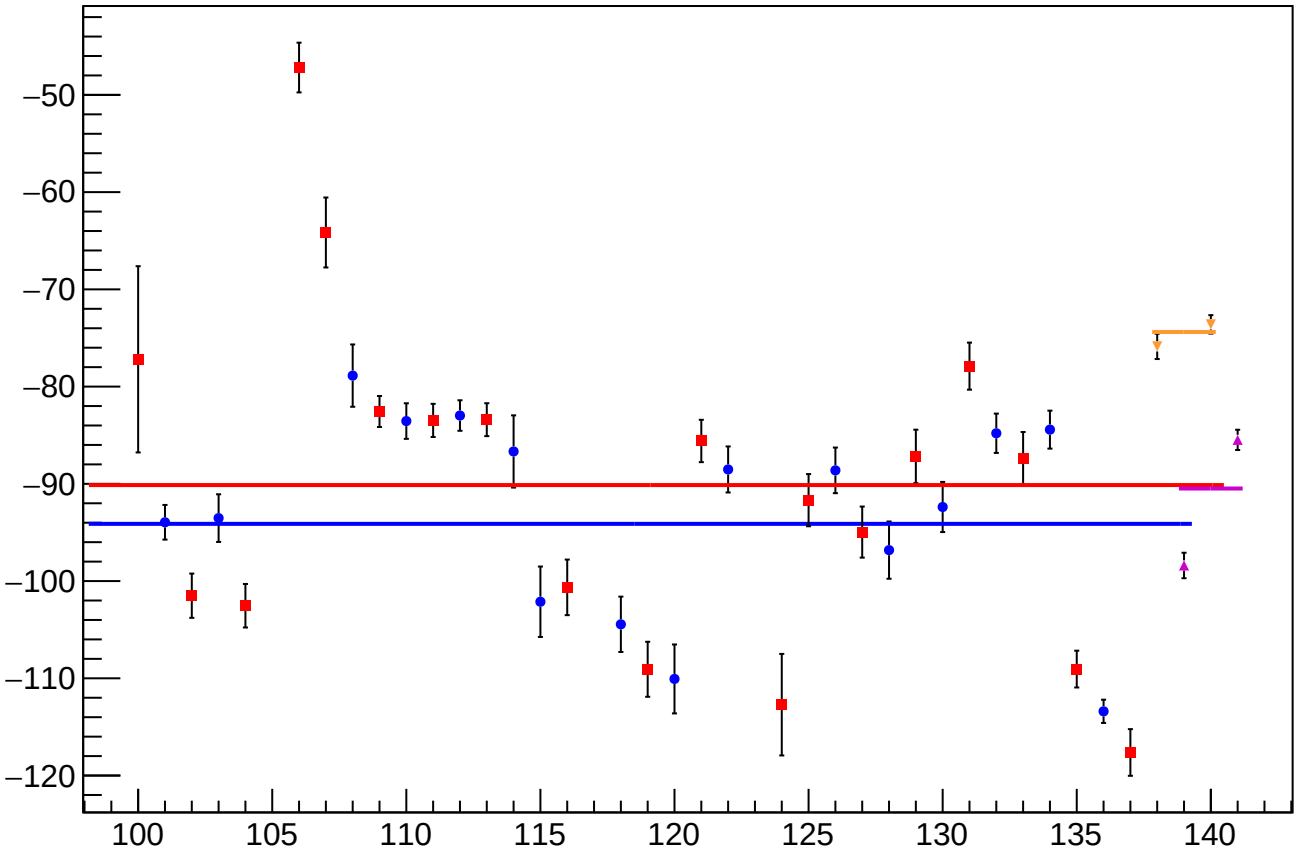
Left: 6.202+/-0.471 χ^2/NDF: 102.4/3

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -2.904+/-0.412 χ^2/NDF:287.3/17

Out: 1.107+/-0.404 χ^2/NDF:500.1/20

All: -0.861+/-0.289 χ^2/NDF: 835.6/38



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -74.383+/-0.766 χ^2/NDF:2.0/1

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -90.481+/-0.815 χ^2/NDF:59.6/1

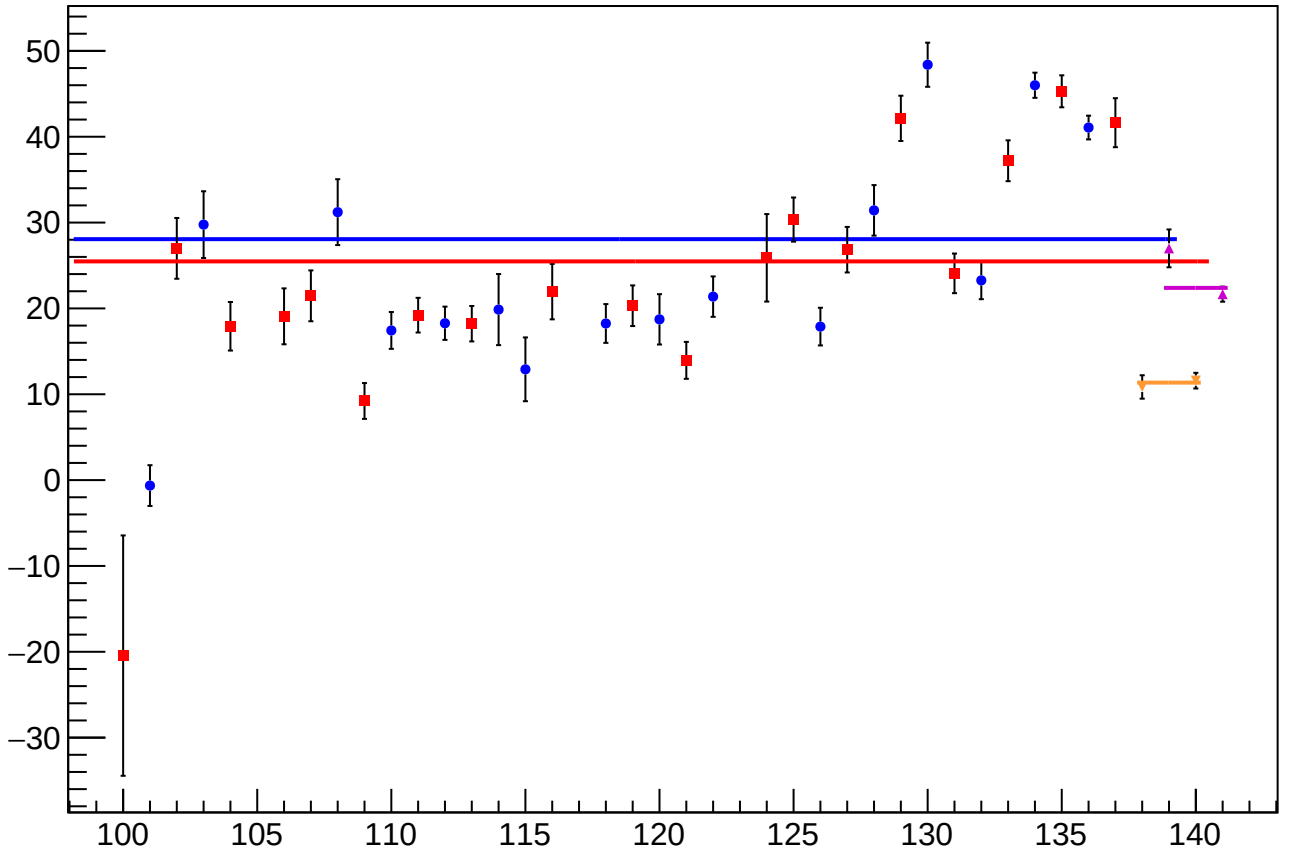
Left: -81.930+/-0.558 χ^2/NDF: 268.9/3

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -93.015+/-0.448 χ^2/NDF:540.3/17

Out: -84.859+/-0.443 χ^2/NDF:1072.7/20

All: -88.886+/-0.315 χ^2/NDF: 1780.5/38



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 11.358+/-0.758 χ^2/NDF:0.2/1

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 22.392+/-0.816 χ^2/NDF:5.1/1

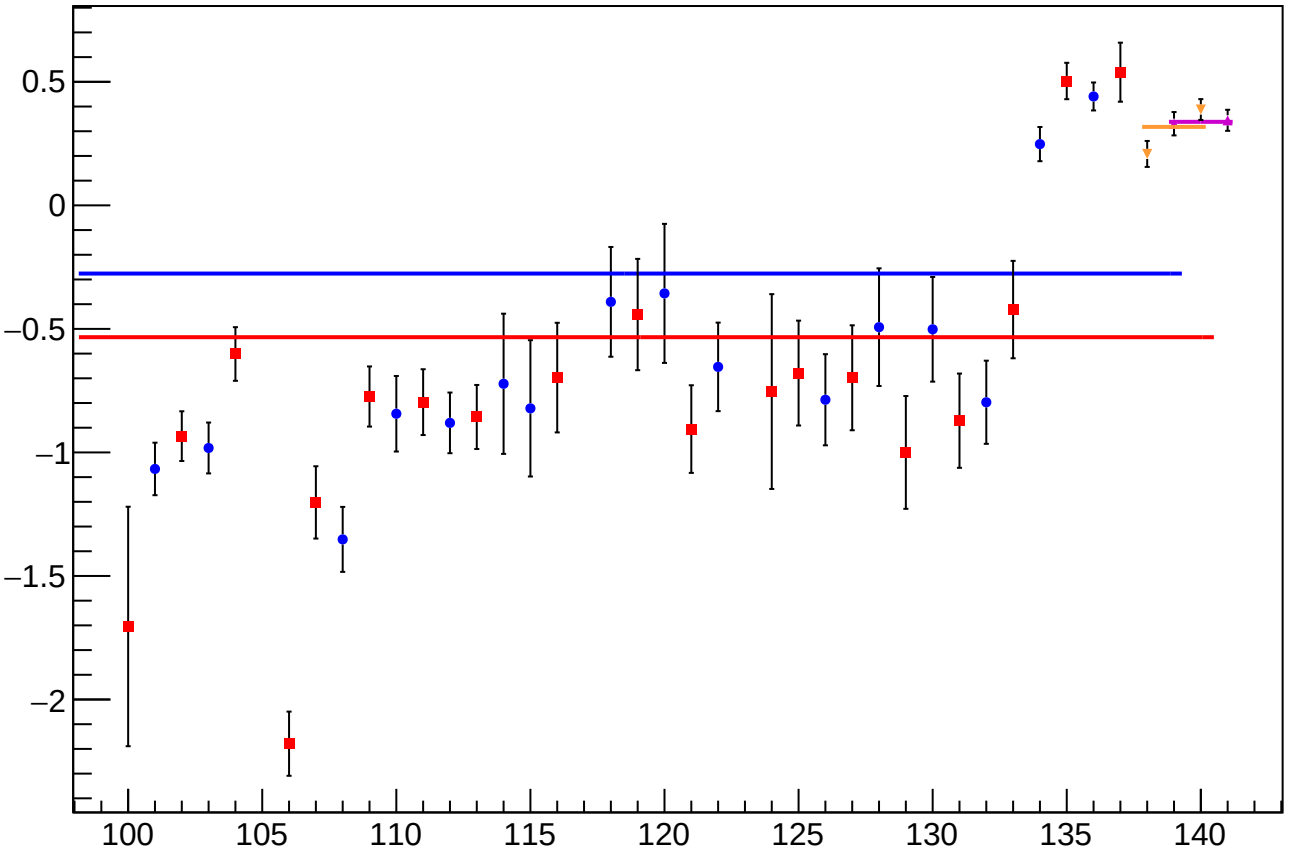
Left: 16.470+/-0.555 χ^2/NDF: 103.4/3

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 26.212+/-0.467 χ^2/NDF:620.7/17

Out: 20.148+/-0.466 χ^2/NDF:570.7/20

All: 23.174+/-0.330 χ^2/NDF: 1276.0/38



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.318+/-0.033 χ^2/NDF:7.1/1

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.338+/-0.032 χ^2/NDF:0.0/1

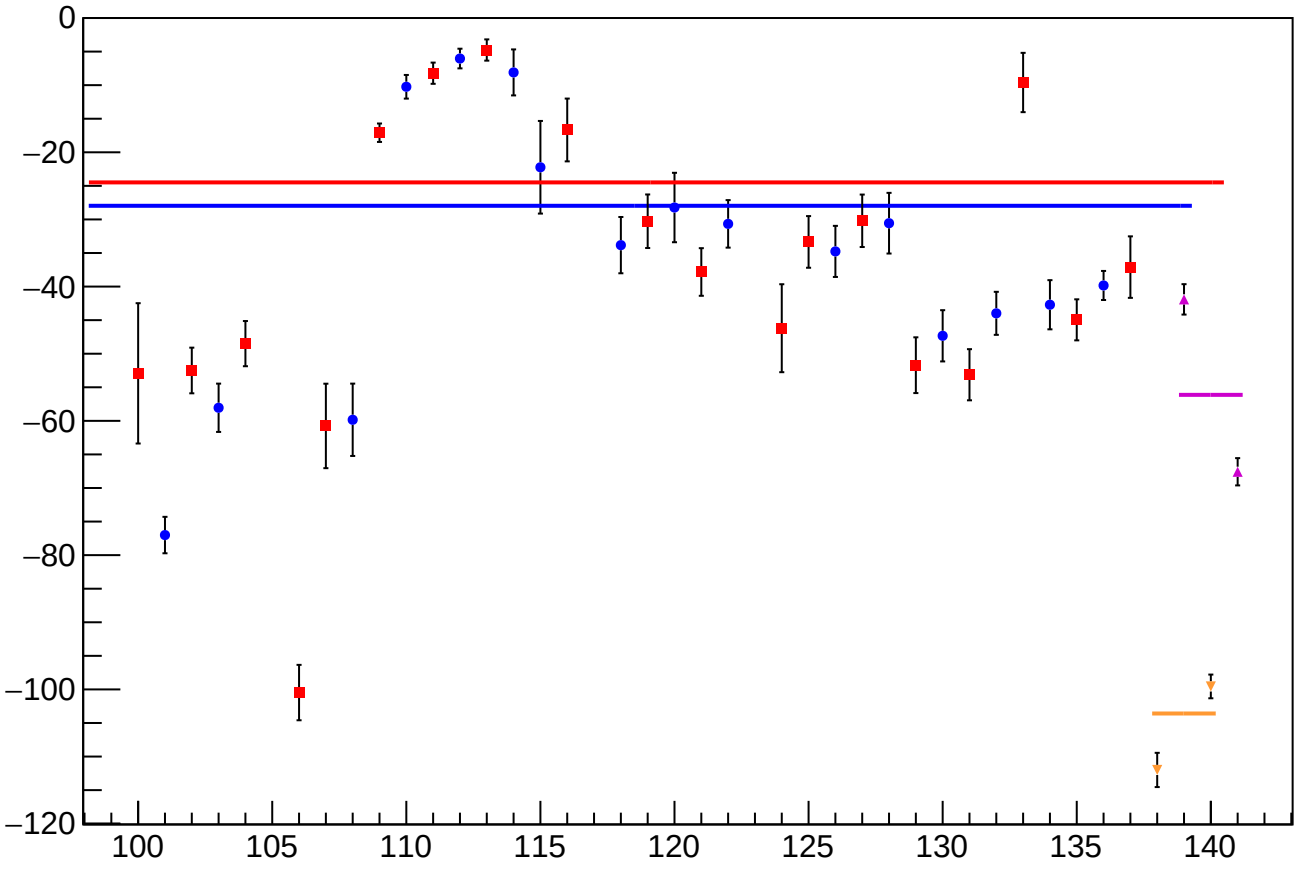
Left: 0.328+/-0.023 χ^2/NDF: 7.4/3

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.021+/-0.022 χ^2/NDF:650.0/17

Out: -0.108+/-0.023 χ^2/NDF:852.7/20

All: -0.040+/-0.016 χ^2/NDF: 1519.2/38



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -103.587+/-1.452 χ^2/NDF:16.1/1

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -56.128+/-1.512 χ^2/NDF:71.3/1

Left: -80.825+/-1.047 χ^2/NDF: 600.0/3

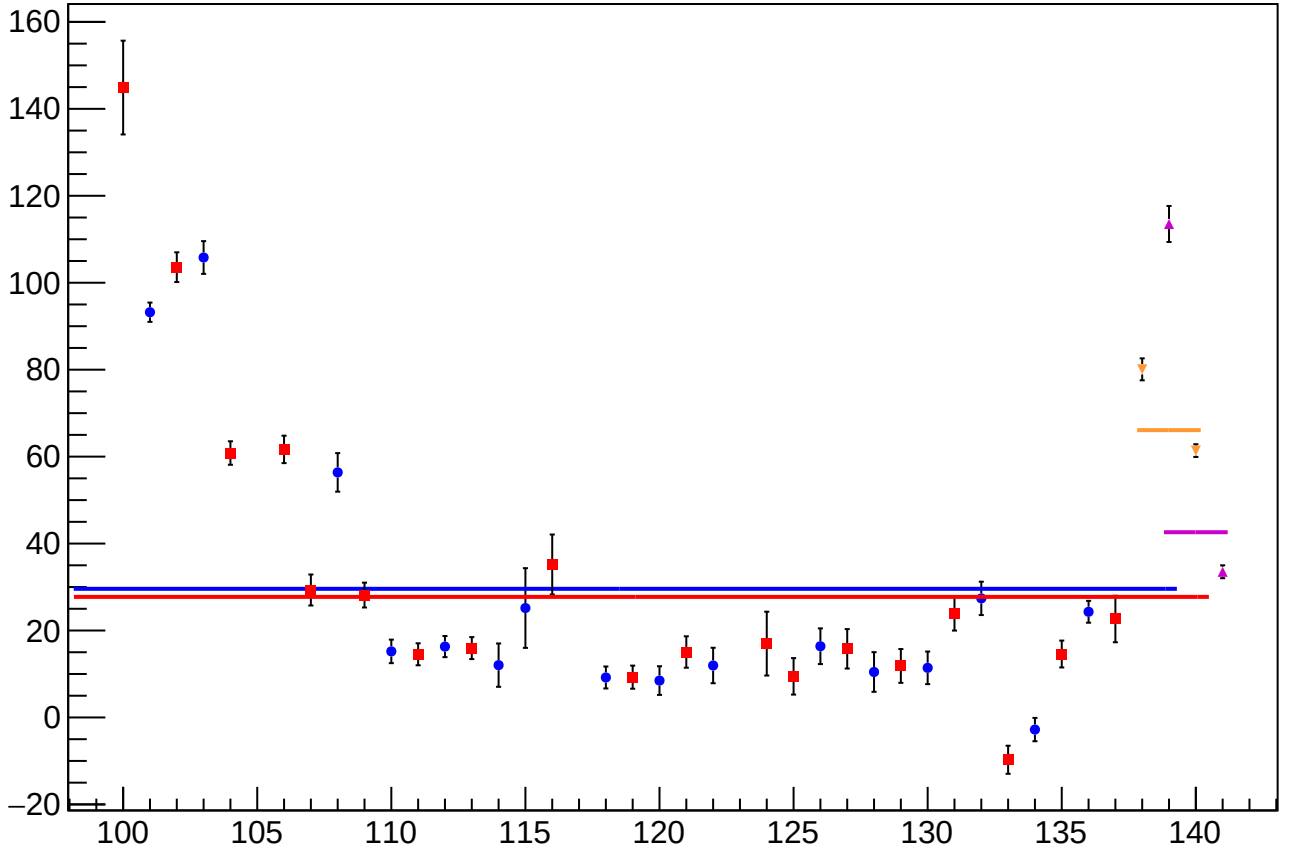
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -33.262+/-0.656 χ^2/NDF:1247.5/17

Out: -38.132+/-0.603 χ^2/NDF:3462.8/20

All: -35.900+/-0.444 χ^2/NDF: 4740.2/38

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 66.096+/-1.268 χ^2/NDF:41.0/1

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 42.608+/-1.397 χ^2/NDF:330.5/1

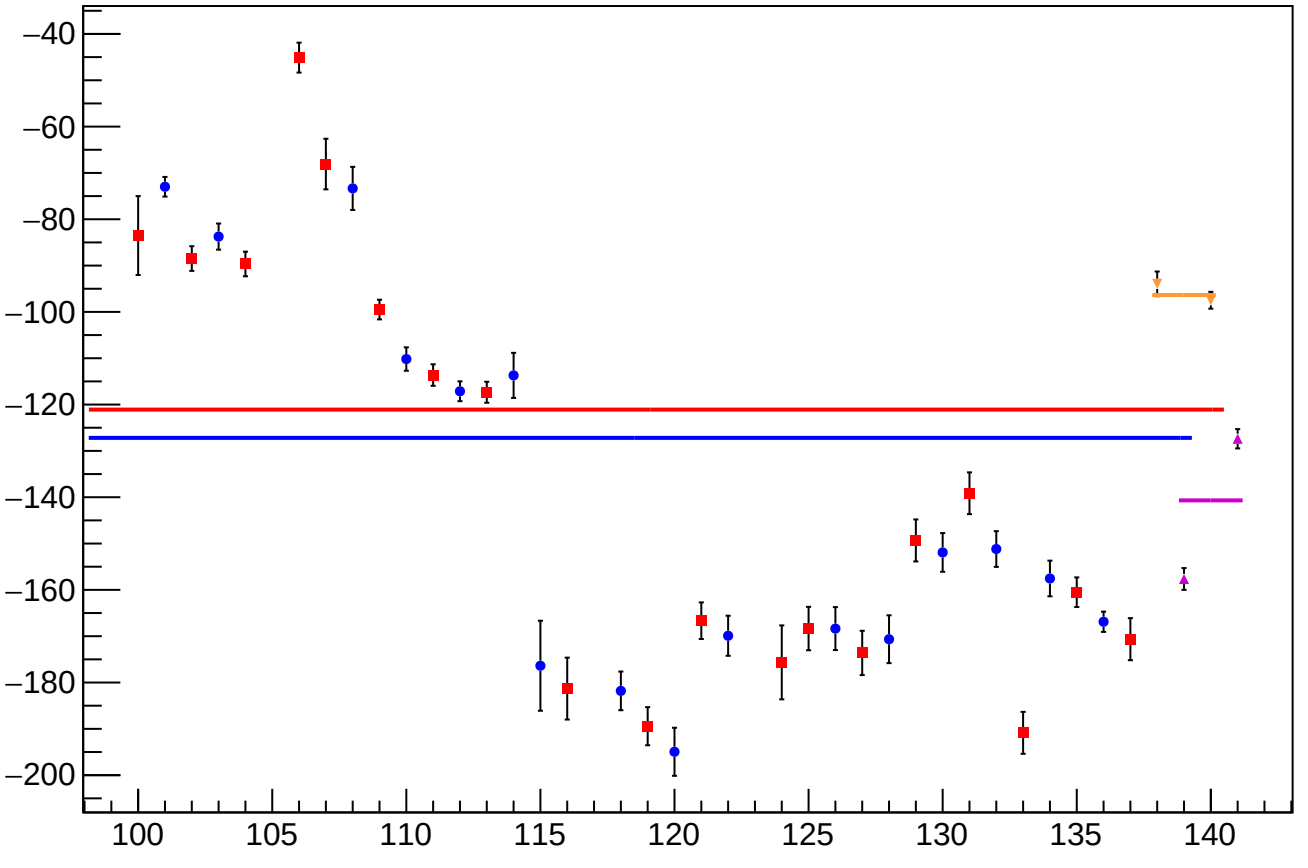
Left: 55.485+/-0.939 χ^2/NDF: 526.4/3

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 32.851+/-0.699 χ^2/NDF:2061.2/17

Out: 38.597+/-0.675 χ^2/NDF:1882.0/20

All: 35.825+/-0.485 χ^2/NDF: 3978.2/38



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -96.359+/-1.500 χ^2/NDF:1.2/1

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -140.683+/-1.561 χ^2/NDF:92.6/1

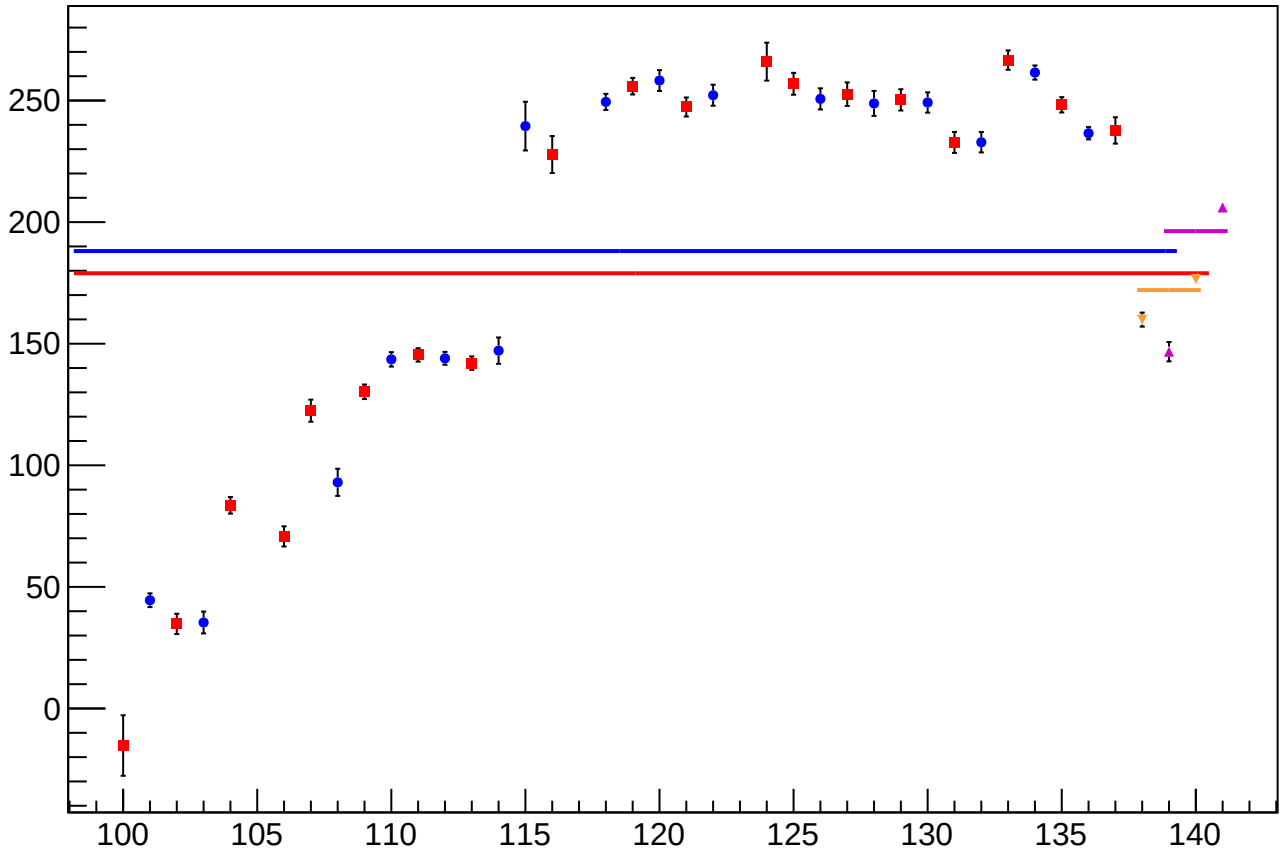
Left: -117.641+/-1.082 χ^2/NDF: 513.1/3

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -130.161+/-0.732 χ^2/NDF:2329.1/17

Out: -115.635+/-0.704 χ^2/NDF:2610.4/20

All: -122.614+/-0.508 χ^2/NDF: 5143.8/38



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 172.067+/-1.504 χ^2/NDF:24.3/1

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 196.296+/-1.613 χ^2/NDF:185.8/1

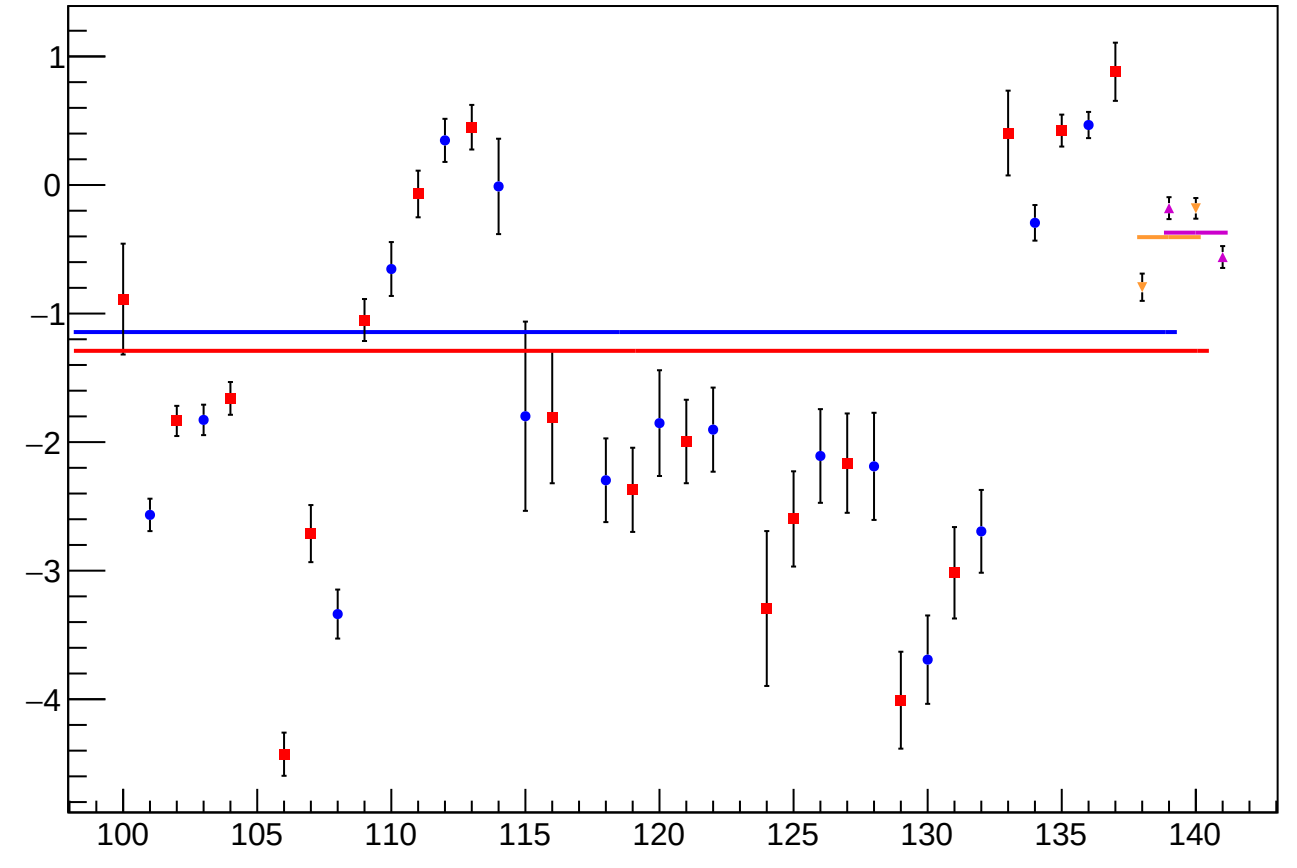
Left: 183.335+/-1.100 χ^2/NDF: 330.8/3

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 190.110+/-0.798 χ^2/NDF:7323.9/17

Out: 177.127+/-0.777 χ^2/NDF:6708.6/20

All: 183.449+/-0.557 χ^2/NDF: 14168.3/38



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.406+/-0.064 χ^2/NDF:21.3/1

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.371+/-0.060 χ^2/NDF:10.0/1

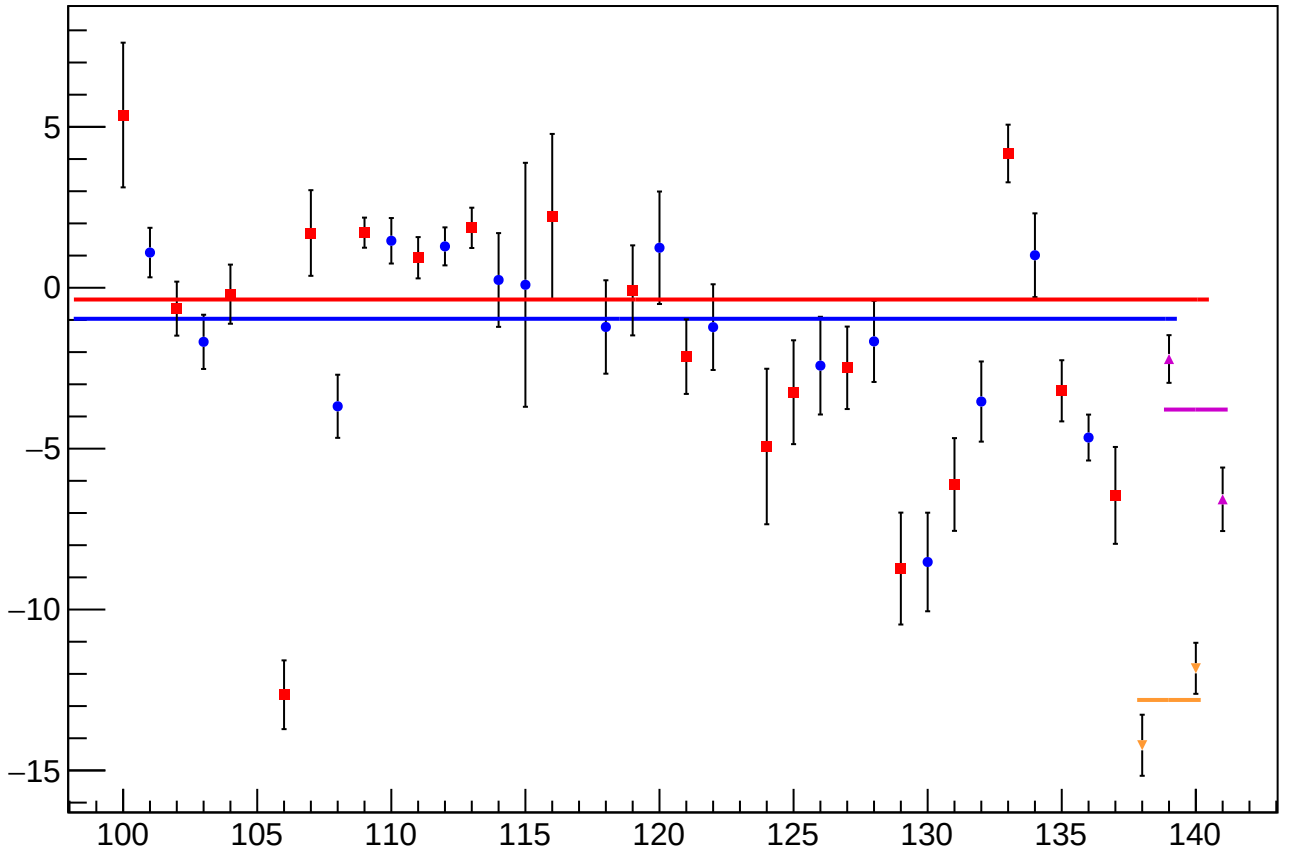
Left: -0.387+/-0.044 χ^2/NDF: 31.4/3

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.843+/-0.038 χ^2/NDF:898.2/17

Out: -0.977+/-0.038 χ^2/NDF:1142.6/20

All: -0.909+/-0.027 χ^2/NDF: 2047.0/38



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -12.810+/-0.609 χ^2/NDF:3.7/1

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -3.785+/-0.593 χ^2/NDF:12.5/1

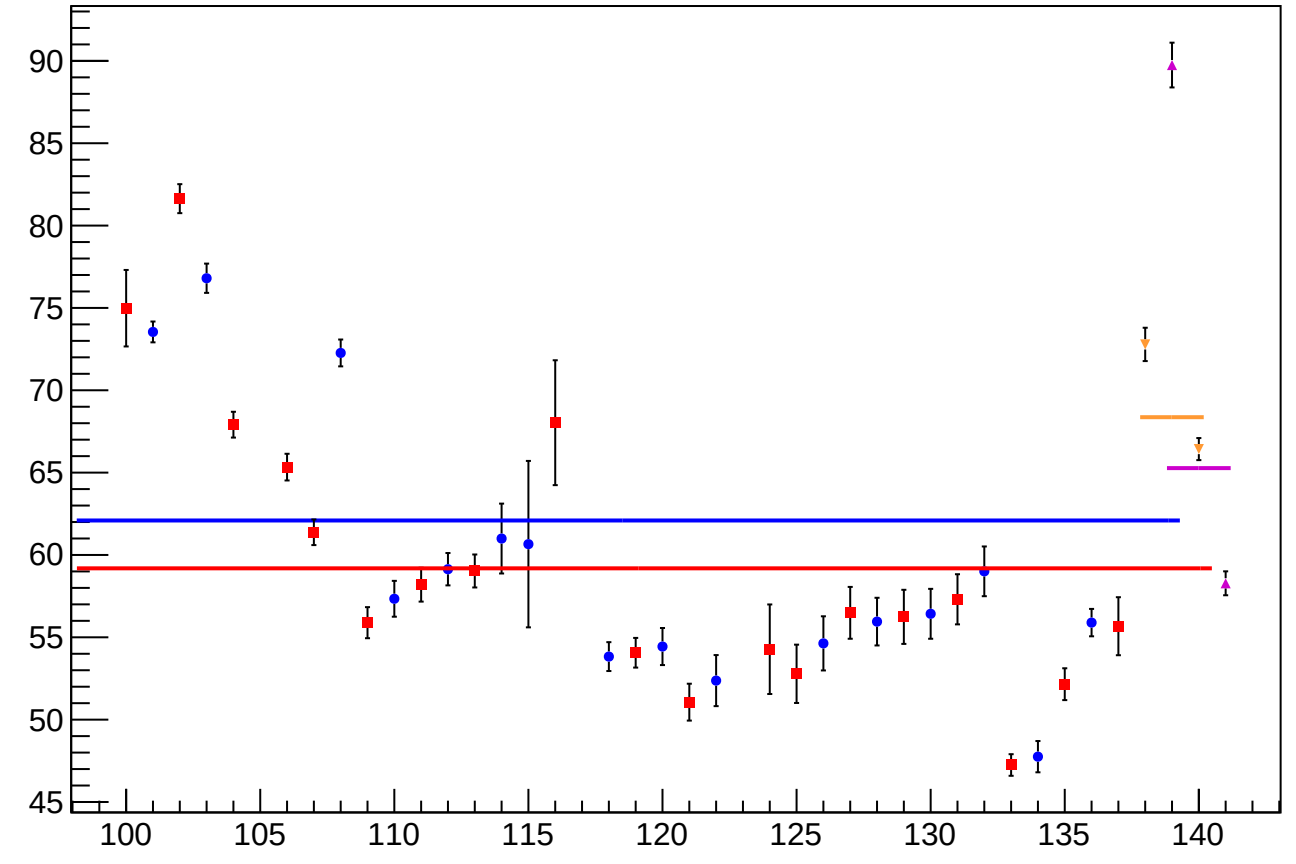
Left: -8.177+/-0.425 χ^2/NDF: 129.1/3

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.400+/-0.233 χ^2/NDF:134.8/17

Out: -1.847+/-0.210 χ^2/NDF:652.7/20

All: -1.646+/-0.156 χ^2/NDF: 789.6/38



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 68.365+/-0.558 χ^2/NDF:27.4/1

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 65.273+/-0.641 χ^2/NDF:417.0/1

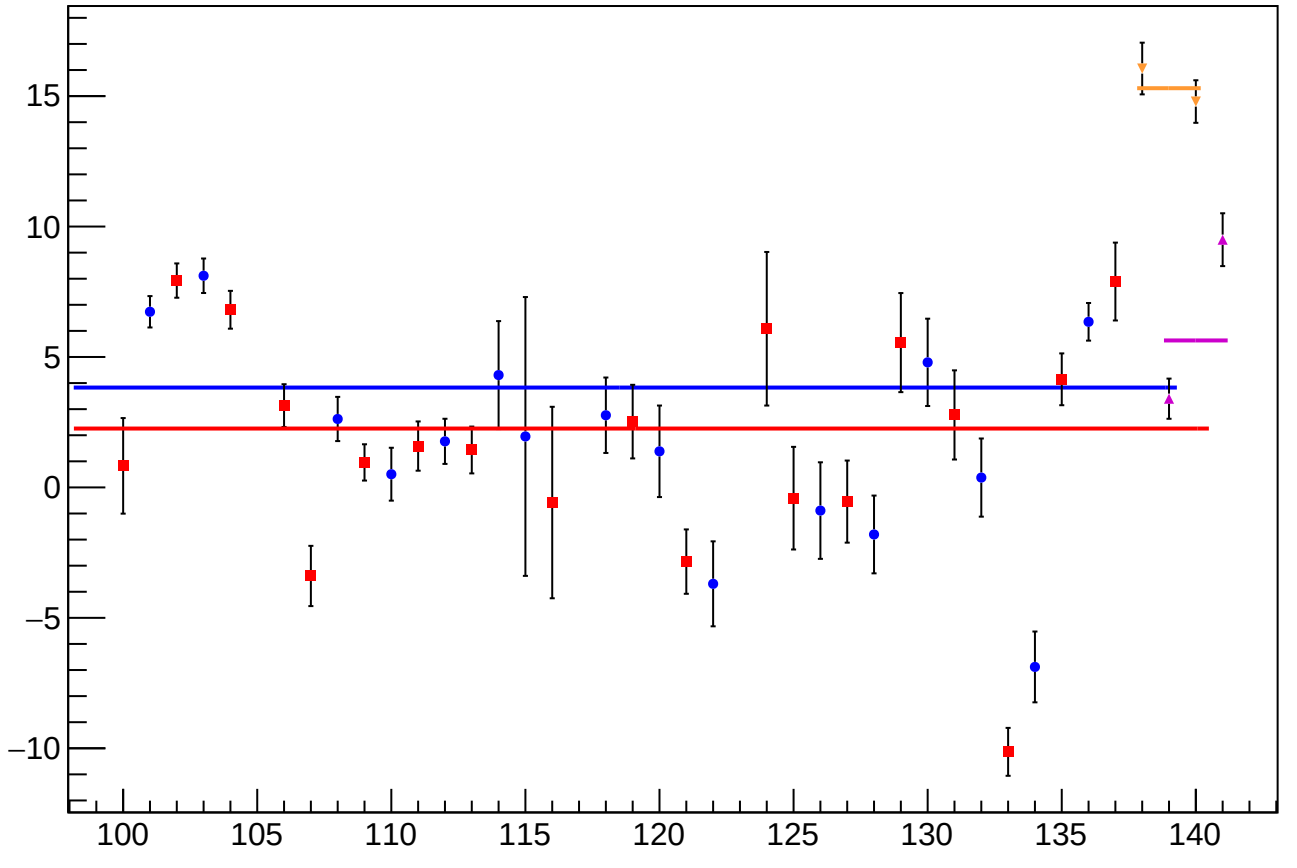
Left: 67.030+/-0.421 χ^2/NDF: 457.7/3

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 62.559+/-0.245 χ^2/NDF:1739.3/17

Out: 60.657+/-0.223 χ^2/NDF:1656.4/20

All: 61.520+/-0.165 χ^2/NDF: 3428.6/38



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 15.303+/-0.630 χ^2/NDF:1.0/1

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 5.634+/-0.613 χ^2/NDF:23.0/1

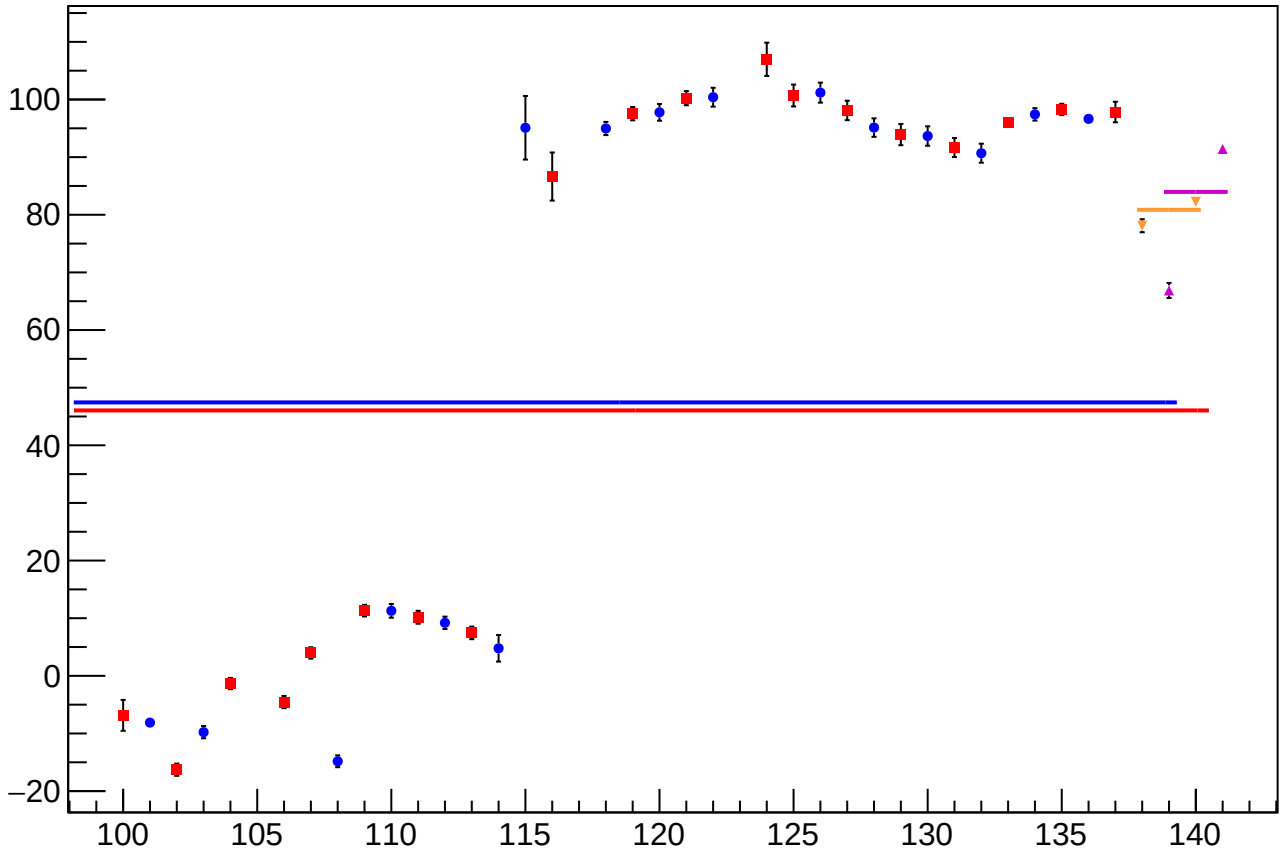
Left: 10.337+/-0.439 χ^2/NDF: 145.0/3

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 4.113+/-0.243 χ^2/NDF:238.9/17

Out: 3.989+/-0.230 χ^2/NDF:744.9/20

All: 4.047+/-0.167 χ^2/NDF: 983.9/38



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 80.862+/-0.655 χ^2/NDF:8.9/1

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 83.969+/-0.719 χ^2/NDF:246.2/1

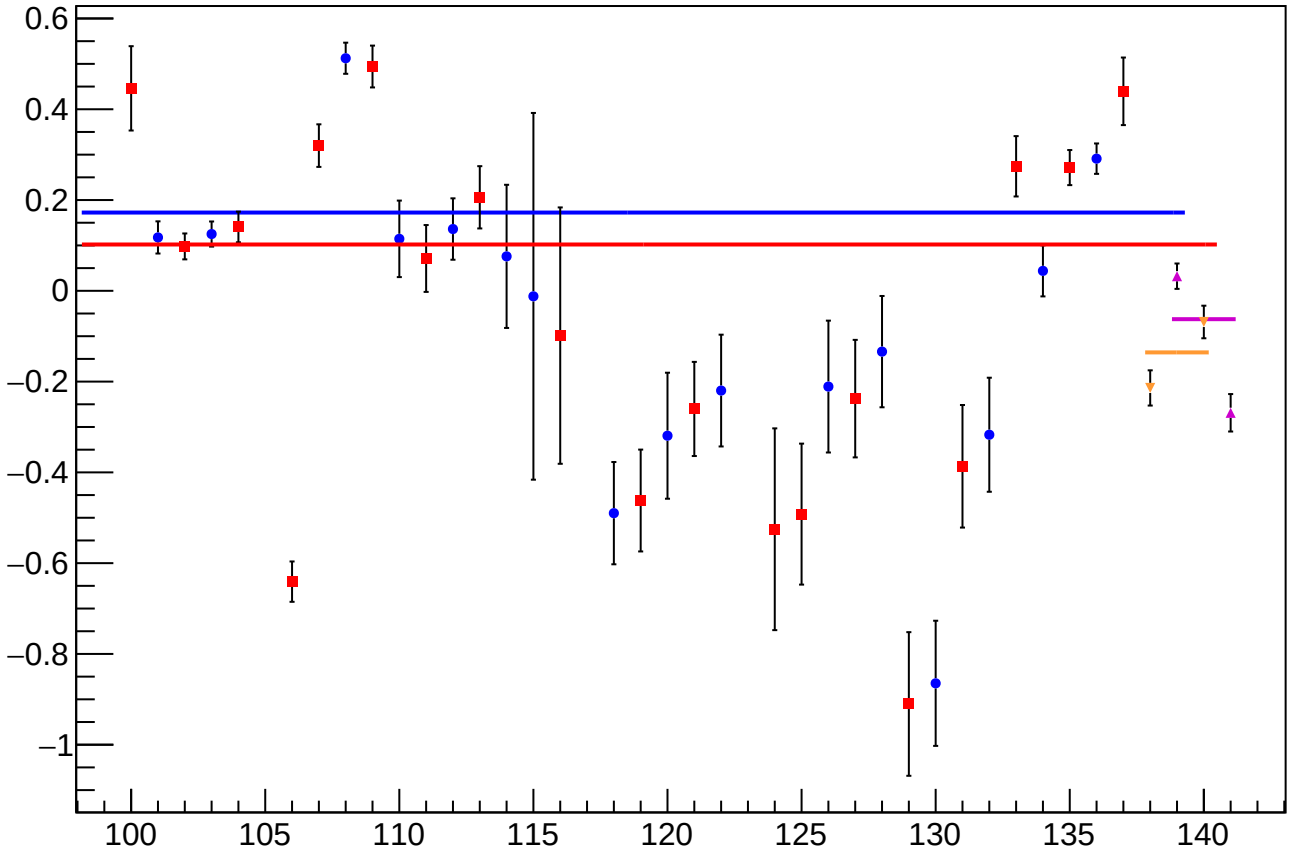
Left: 82.271+/-0.484 χ^2/NDF: 265.4/3

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 53.109+/-0.283 χ^2/NDF:29313.9/17

Out: 51.580+/-0.261 χ^2/NDF:31285.0/20

All: 52.282+/-0.192 χ^2/NDF: 60614.7/38



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.136+/-0.026 χ^2/NDF:7.6/1

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.062+/-0.023 χ^2/NDF:36.5/1

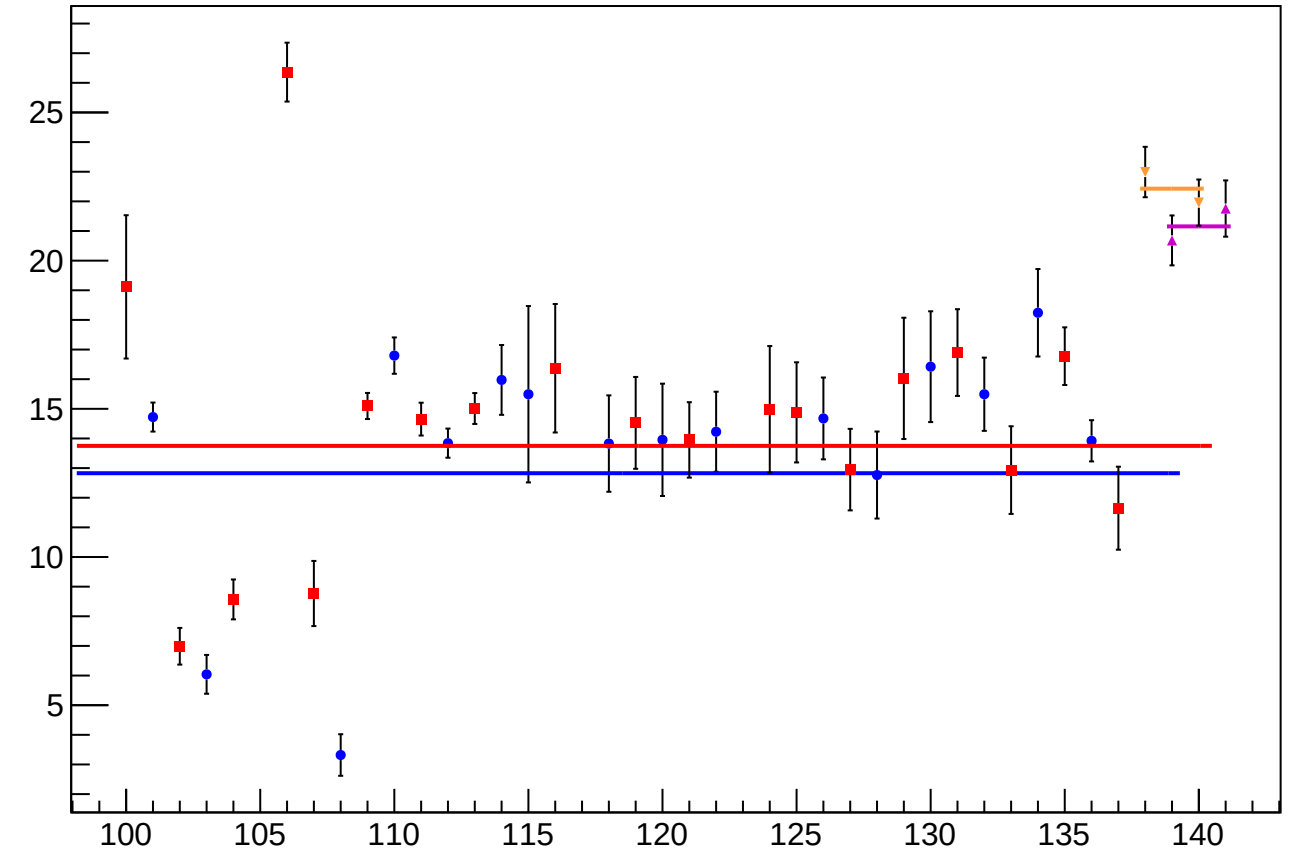
Left: -0.094+/-0.017 χ^2/NDF: 48.4/3

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.109+/-0.012 χ^2/NDF:376.4/17

Out: 0.053+/-0.012 χ^2/NDF:630.9/20

All: 0.080+/-0.009 χ^2/NDF: 1018.0/38



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.429+/-0.575 χ^2/NDF:0.8/1

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.156+/-0.630 χ^2/NDF:0.7/1

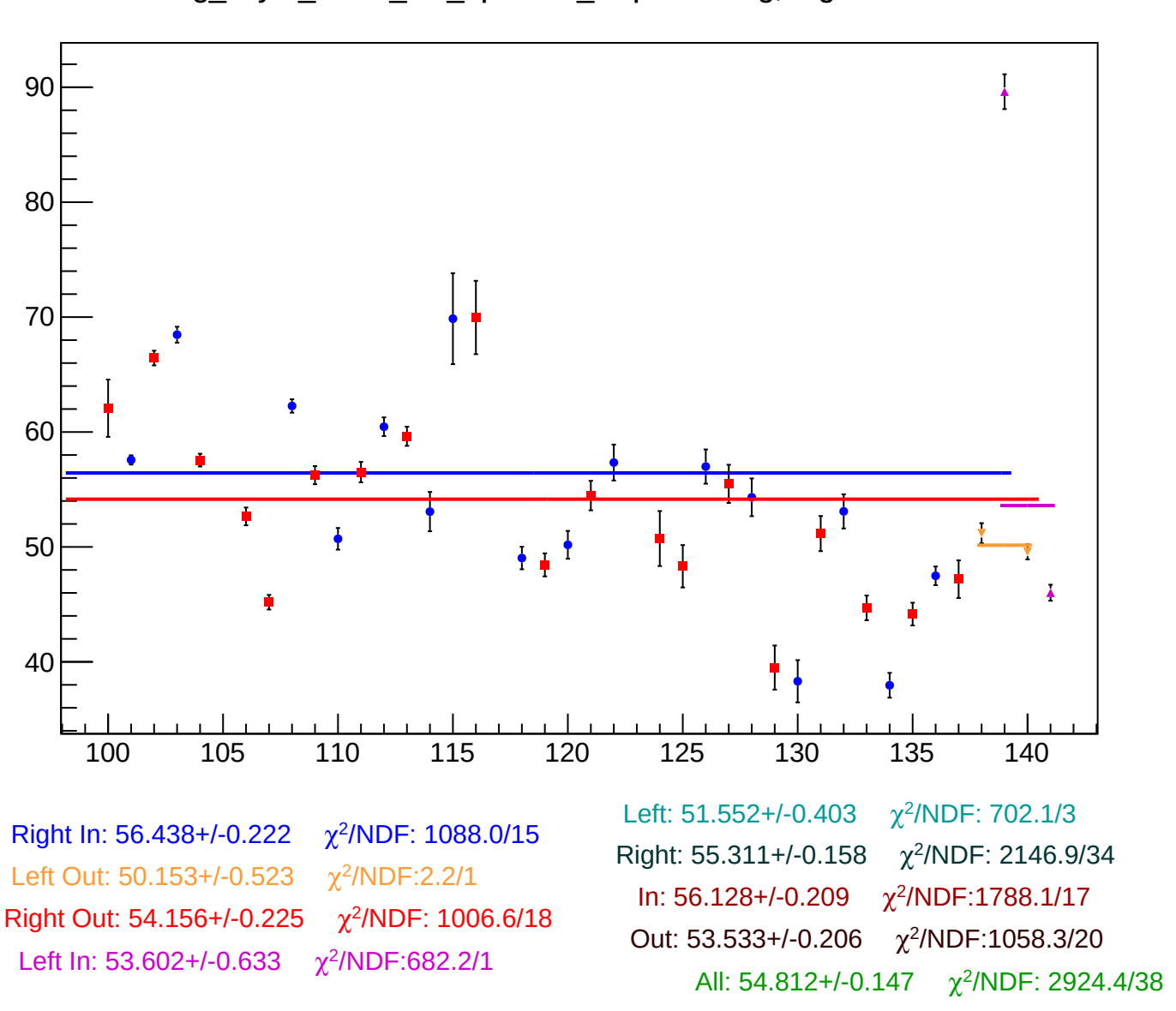
Left: 21.851+/-0.425 χ^2/NDF: 3.7/3

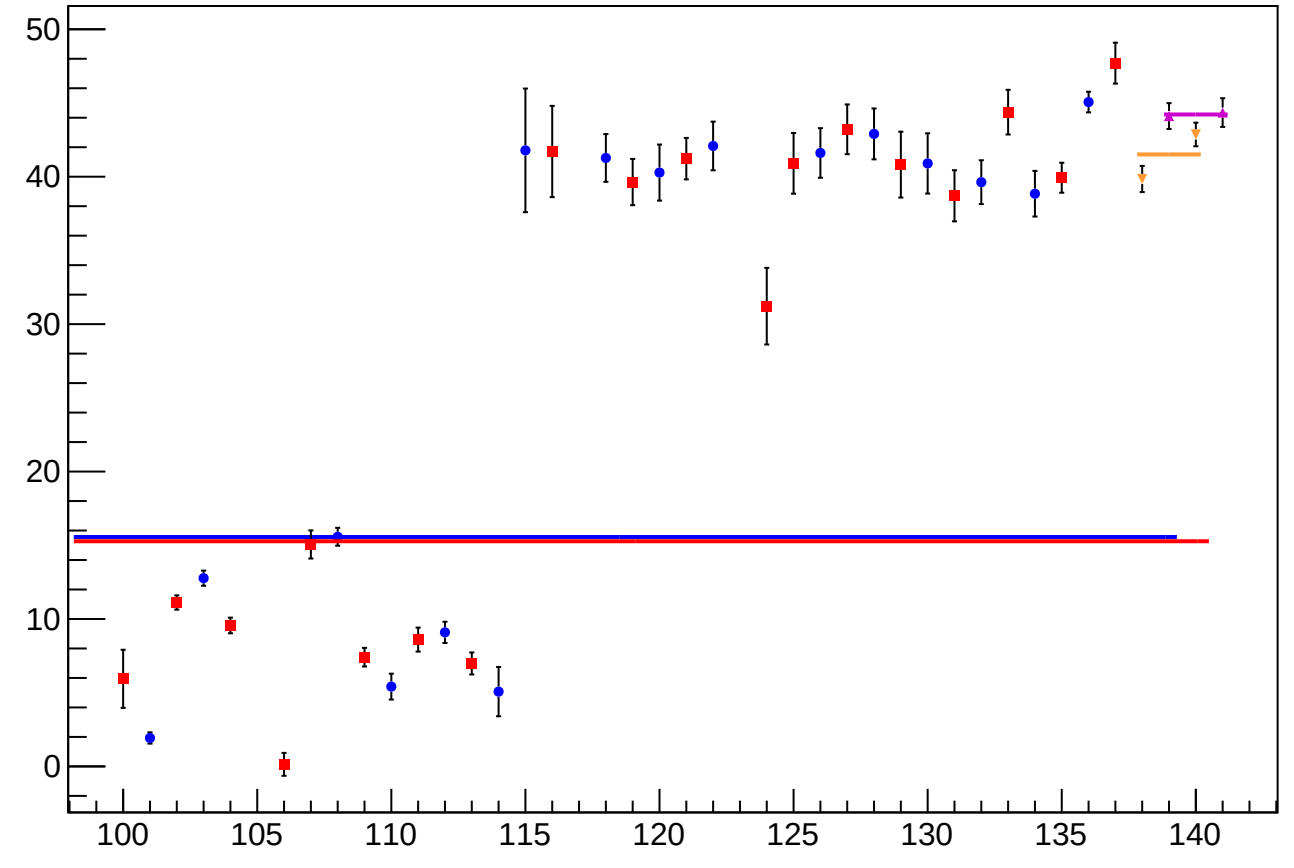
Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 13.690+/-0.203 χ^2/NDF:545.5/17

Out: 14.722+/-0.192 χ^2/NDF:607.2/20

All: 14.233+/-0.140 χ^2/NDF: 1166.3/38


reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected
90
80
70
60
50
40
100
105
110
115
120
125
130
135
140
Right In: 56.438+/-0.222 χ2/NDF: 1088.0/15
Left Out: 50.153+/-0.523 χ2/NDF:2.2/1
Right Out: 54.156+/-0.225 χ2/NDF: 1006.6/18
Left In: 53.602+/-0.633 χ2/NDF:682.2/1
Left: 51.552+/-0.403 χ2/NDF: 702.1/3
Right: 55.311+/-0.158 χ2/NDF: 2146.9/34
In: 56.128+/-0.209 χ2/NDF:1788.1/17
Out: 53.533+/-0.206 χ2/NDF:1058.3/20
All: 54.812+/-0.147 χ2/NDF: 2924.4/38



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 41.509+/-0.595 χ^2/NDF:6.4/1

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 44.220+/-0.652 χ^2/NDF:0.0/1

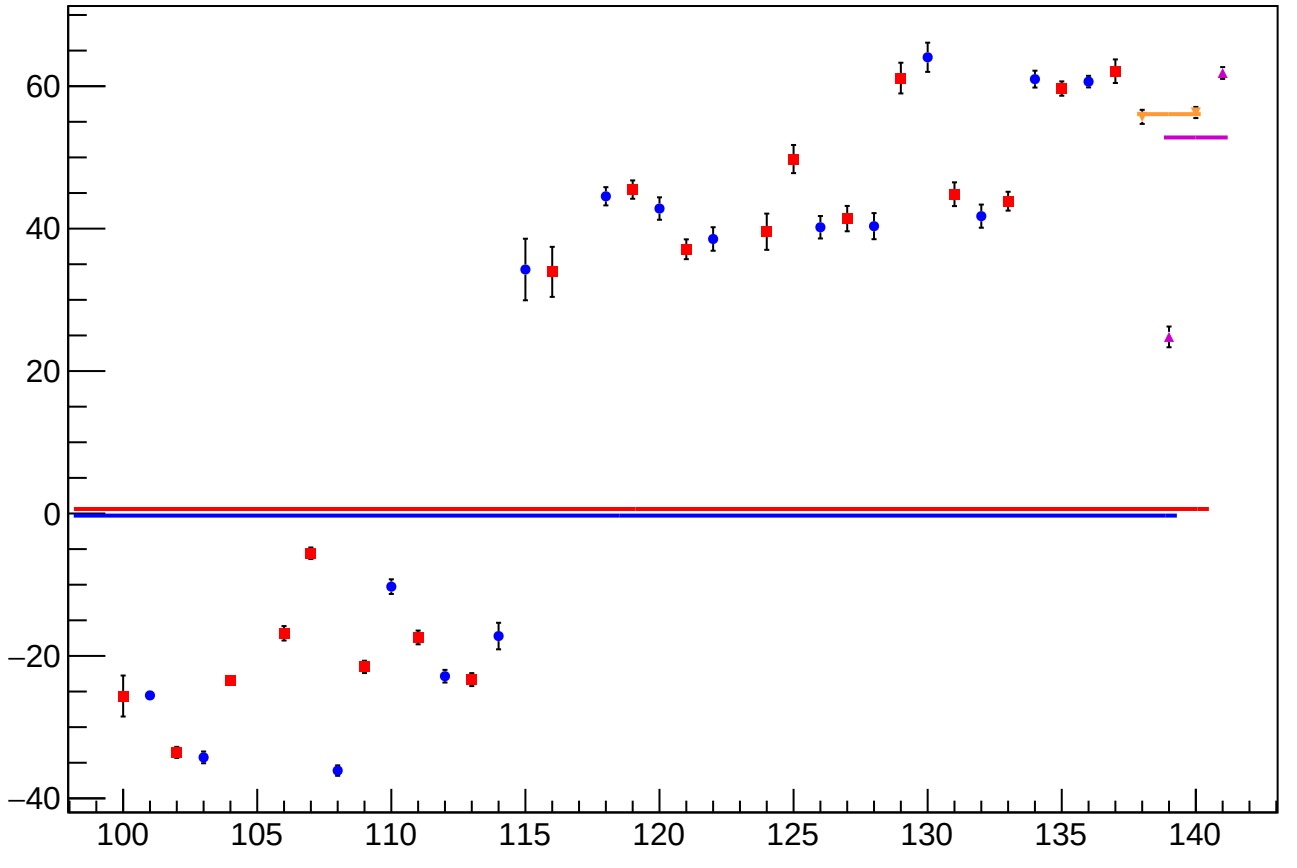
Left: 42.741+/-0.440 χ^2/NDF: 15.8/3

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 18.349+/-0.203 χ^2/NDF:6920.7/17

Out: 18.404+/-0.206 χ^2/NDF:5590.7/20

All: 18.376+/-0.145 χ^2/NDF: 12511.4/38



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 56.072+/-0.614 χ^2/NDF:0.2/1

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 52.800+/-0.719 χ^2/NDF:490.2/1

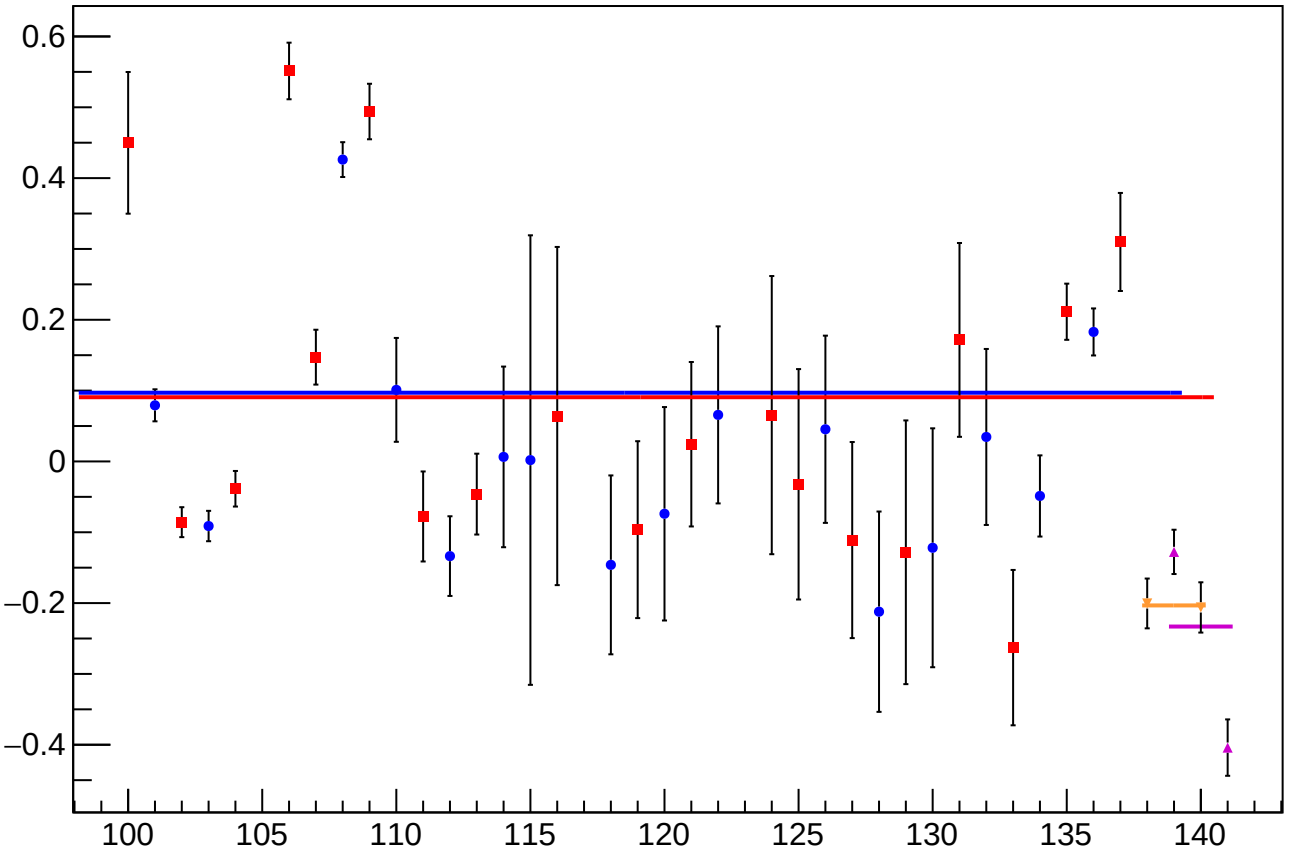
Left: 54.692+/-0.467 χ^2/NDF: 502.4/3

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 5.899+/-0.246 χ^2/NDF:26335.1/17

Out: 9.258+/-0.242 χ^2/NDF:22909.7/20

All: 7.602+/-0.172 χ^2/NDF: 49339.6/38



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.203+/-0.025 χ^2/NDF:0.0/1

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.233+/-0.025 χ^2/NDF:29.8/1

Left: -0.218+/-0.018 χ^2/NDF: 30.5/3

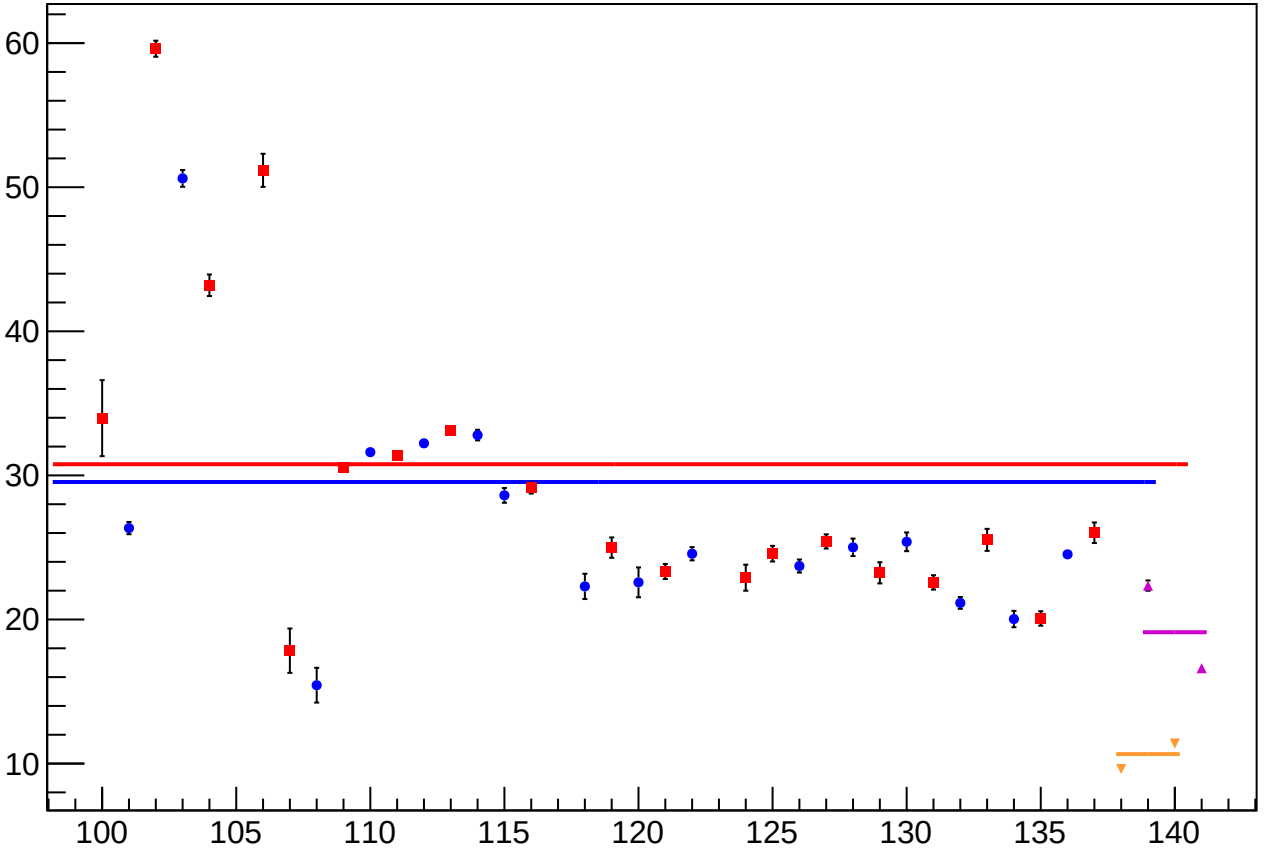
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: 0.040+/-0.010 χ^2/NDF:478.1/17

Out: 0.040+/-0.010 χ^2/NDF:514.1/20

All: 0.040+/-0.007 χ^2/NDF: 992.2/38

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 10.659+/-0.212 χ^2/NDF:16.9/1

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 19.115+/-0.236 χ^2/NDF:145.3/1

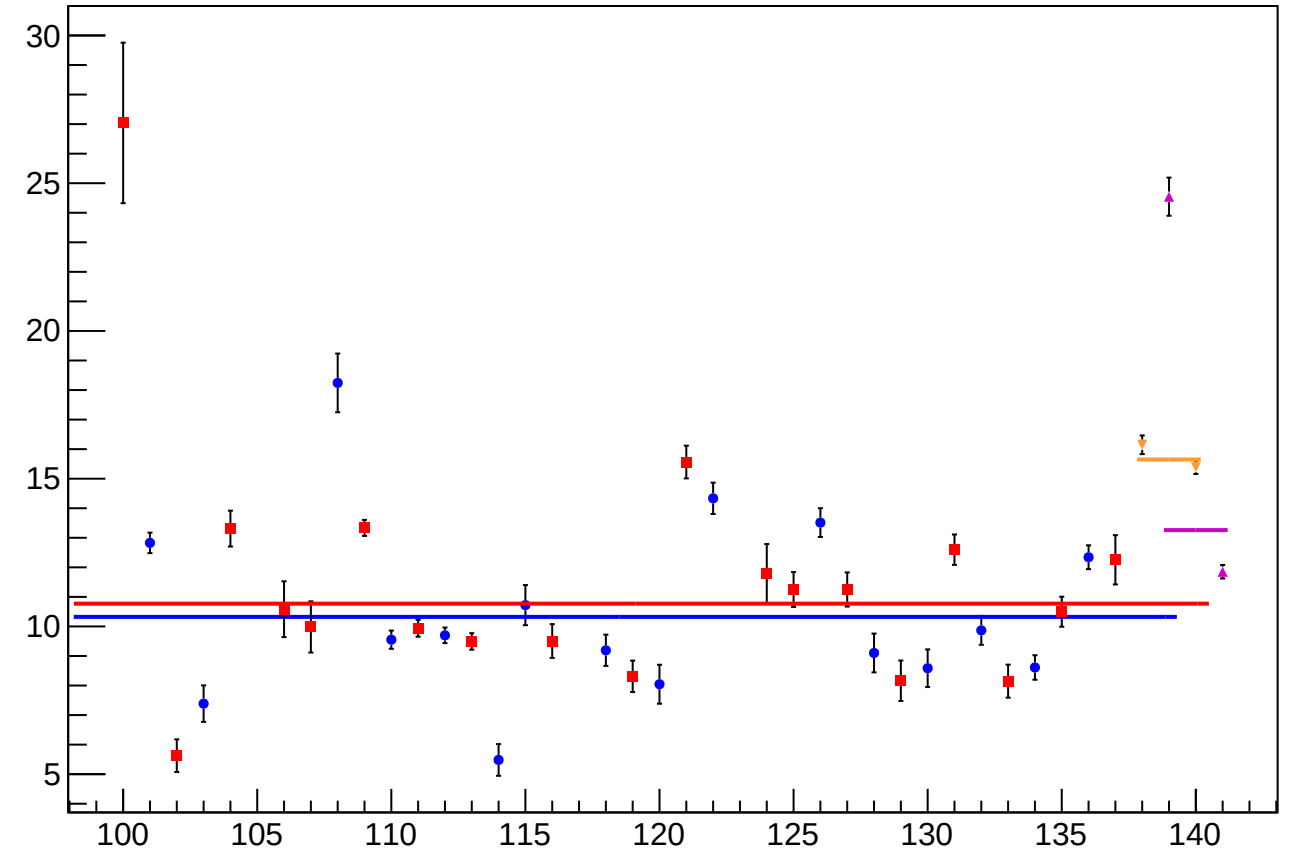
Left: 14.439+/-0.158 χ^2/NDF: 873.5/3

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 28.165+/-0.086 χ^2/NDF:5215.3/17

Out: 28.258+/-0.075 χ^2/NDF:12973.4/20

All: 28.217+/-0.056 χ^2/NDF: 18189.3/38



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 15.648+/-0.185 χ^2/NDF:3.8/1

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 13.260+/-0.215 χ^2/NDF:343.7/1

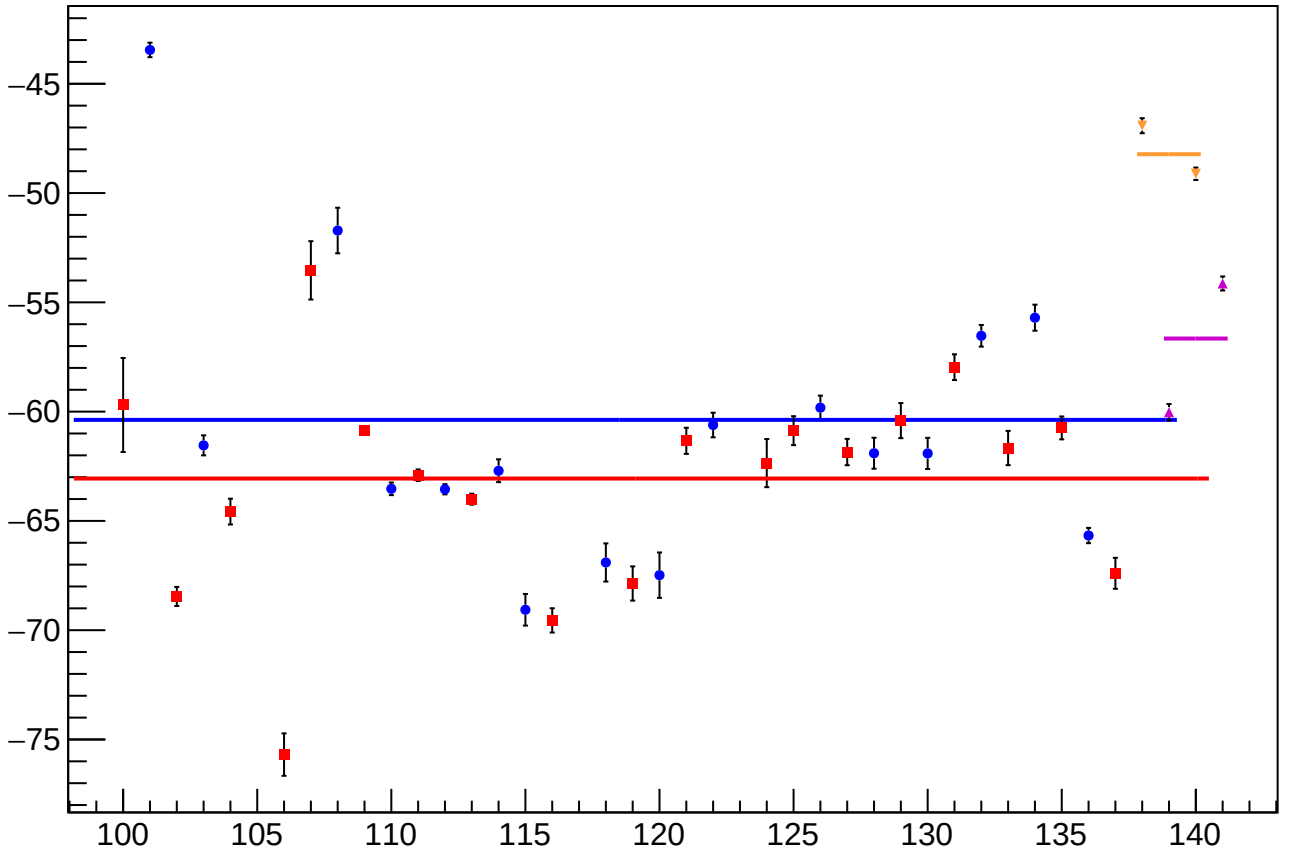
Left: 14.633+/-0.140 χ^2/NDF: 418.3/3

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.967+/-0.101 χ^2/NDF:891.9/17

Out: 12.094+/-0.096 χ^2/NDF:925.9/20

All: 11.556+/-0.070 χ^2/NDF: 1883.1/38



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -48.223+/-0.219 χ^2/NDF:24.3/1

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -56.656+/-0.244 χ^2/NDF:143.2/1

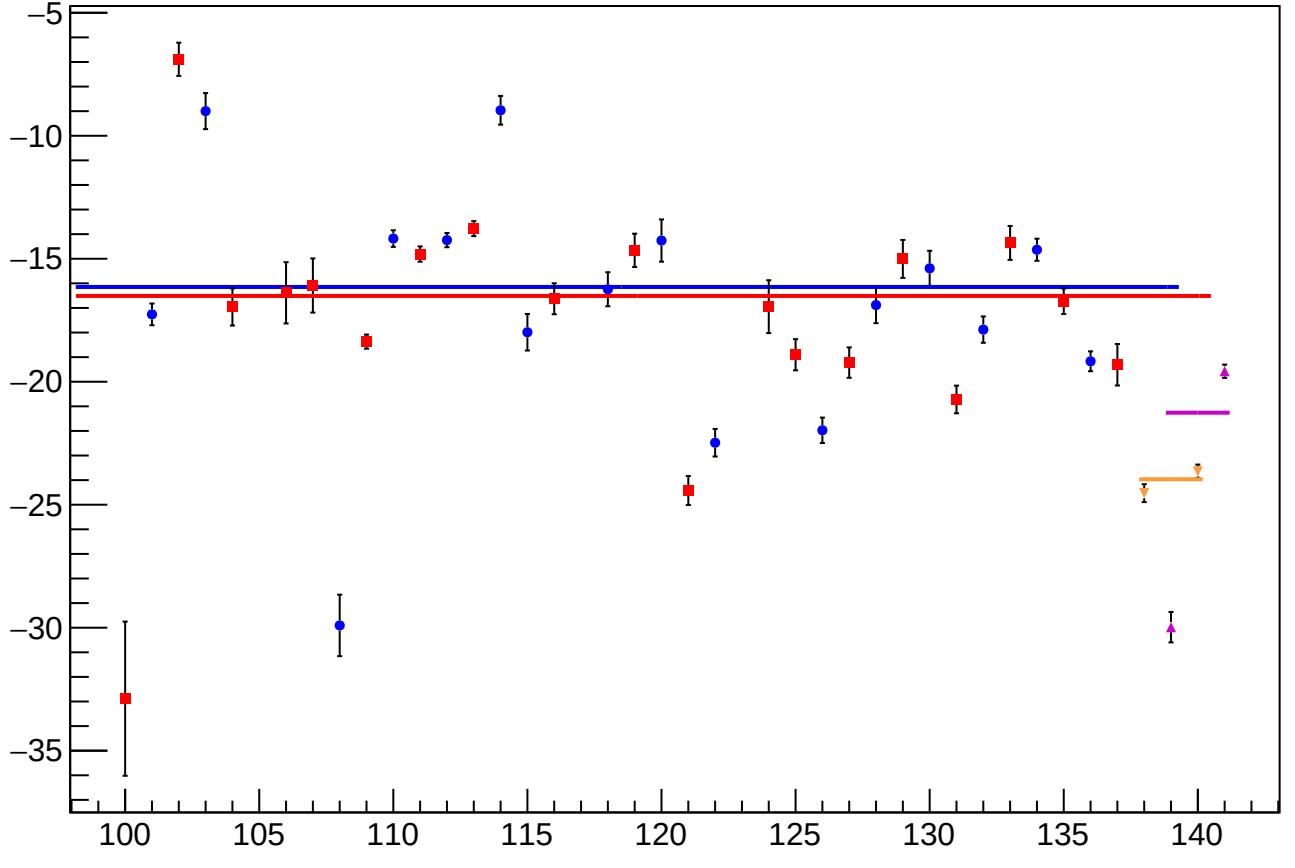
Left: -51.999+/-0.163 χ^2/NDF: 829.9/3

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -59.718+/-0.103 χ^2/NDF:3932.9/17

Out: -60.196+/-0.096 χ^2/NDF:4564.0/20

All: -59.972+/-0.070 χ^2/NDF: 8508.4/38



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -23.964+/-0.219 χ^2/NDF:3.8/1

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -21.258+/-0.249 χ^2/NDF:236.6/1

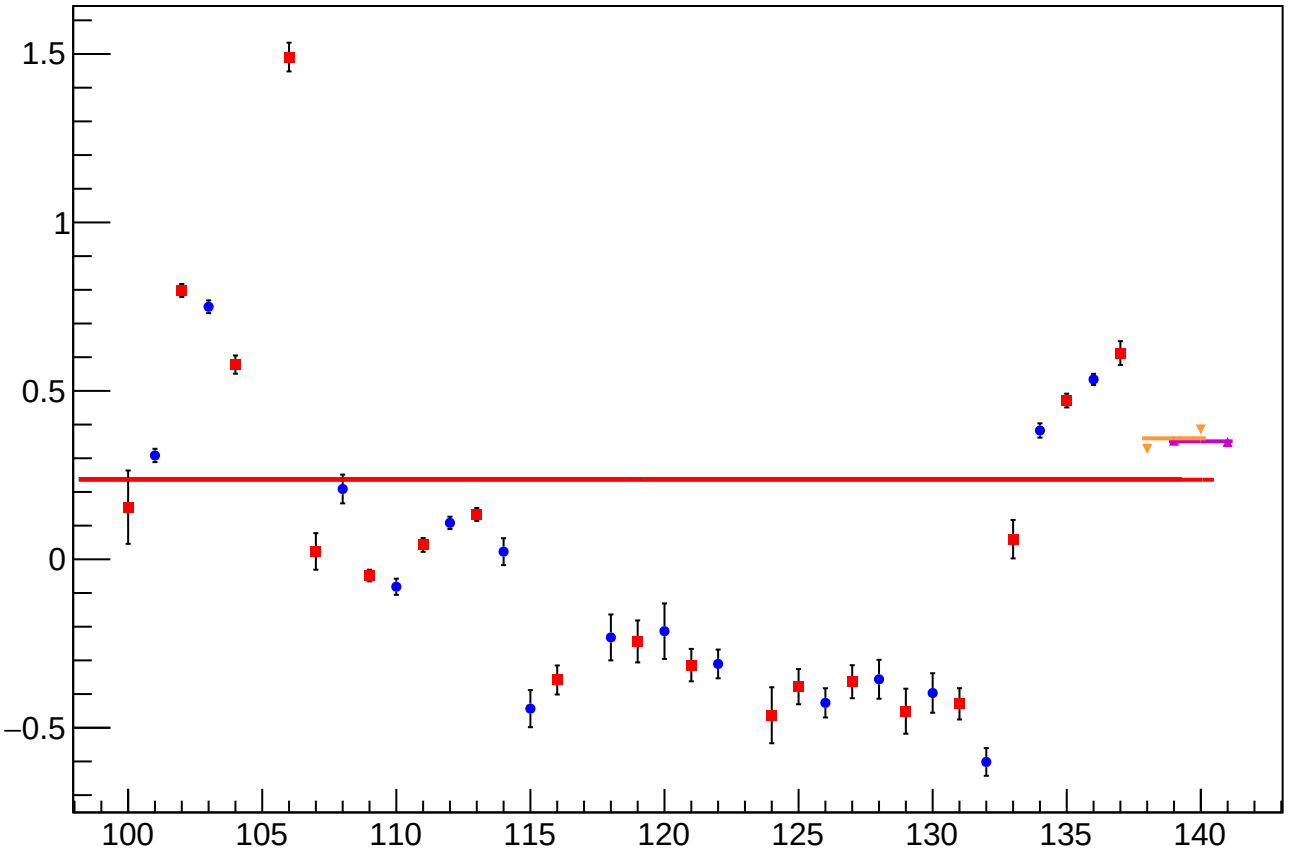
Left: -22.782+/-0.165 χ^2/NDF: 306.9/3

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.204+/-0.113 χ^2/NDF:1367.7/17

Out: -18.329+/-0.108 χ^2/NDF:1560.3/20

All: -17.791+/-0.078 χ^2/NDF: 2979.6/38



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.359+/-0.009 χ^2/NDF:9.5/1

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.350+/-0.009 χ^2/NDF:0.0/1

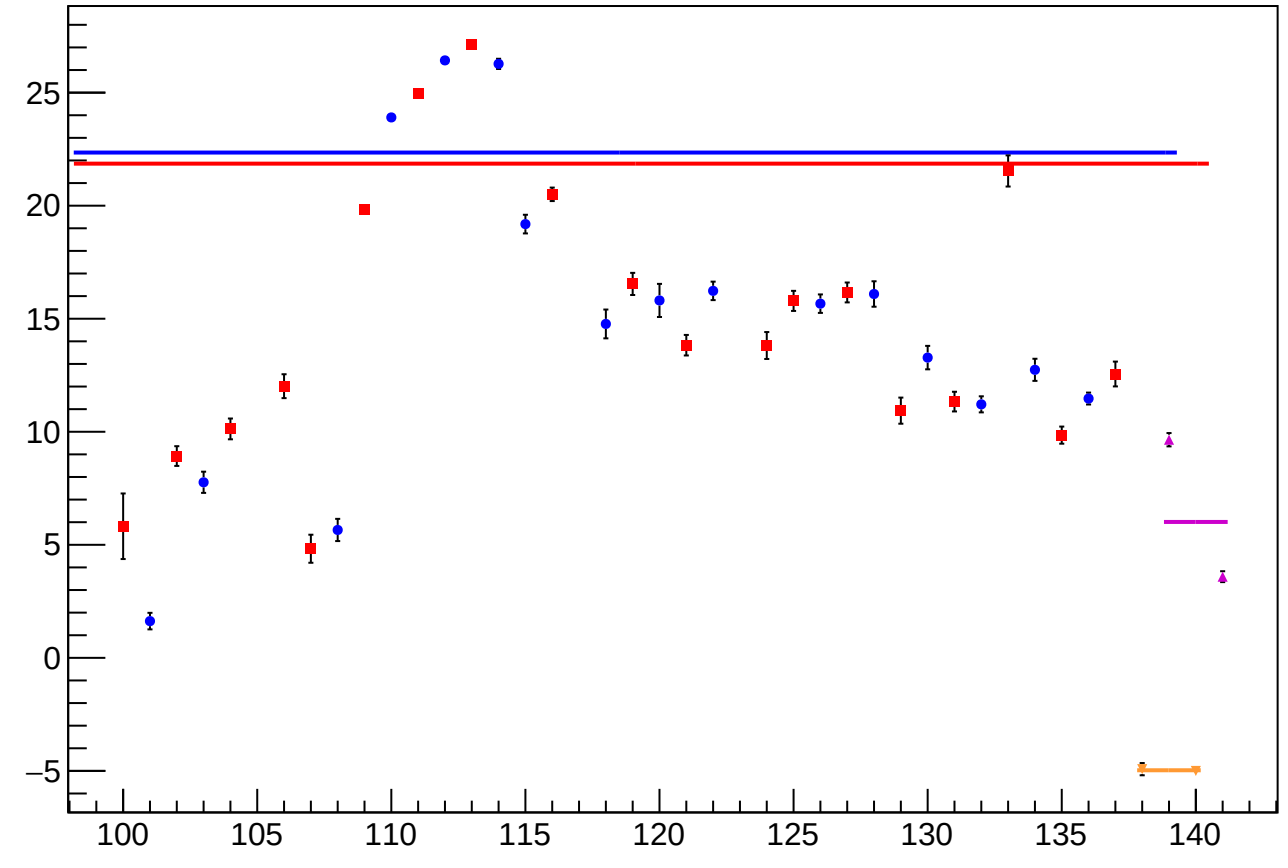
Left: 0.355+/-0.007 χ^2/NDF: 10.0/3

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.279+/-0.006 χ^2/NDF:2724.9/17

Out: 0.281+/-0.006 χ^2/NDF:3714.3/20

All: 0.280+/-0.004 χ^2/NDF: 6439.3/38



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -4.972+/-0.168 χ^2/NDF:0.1/1

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 6.011+/-0.186 χ^2/NDF:253.4/1

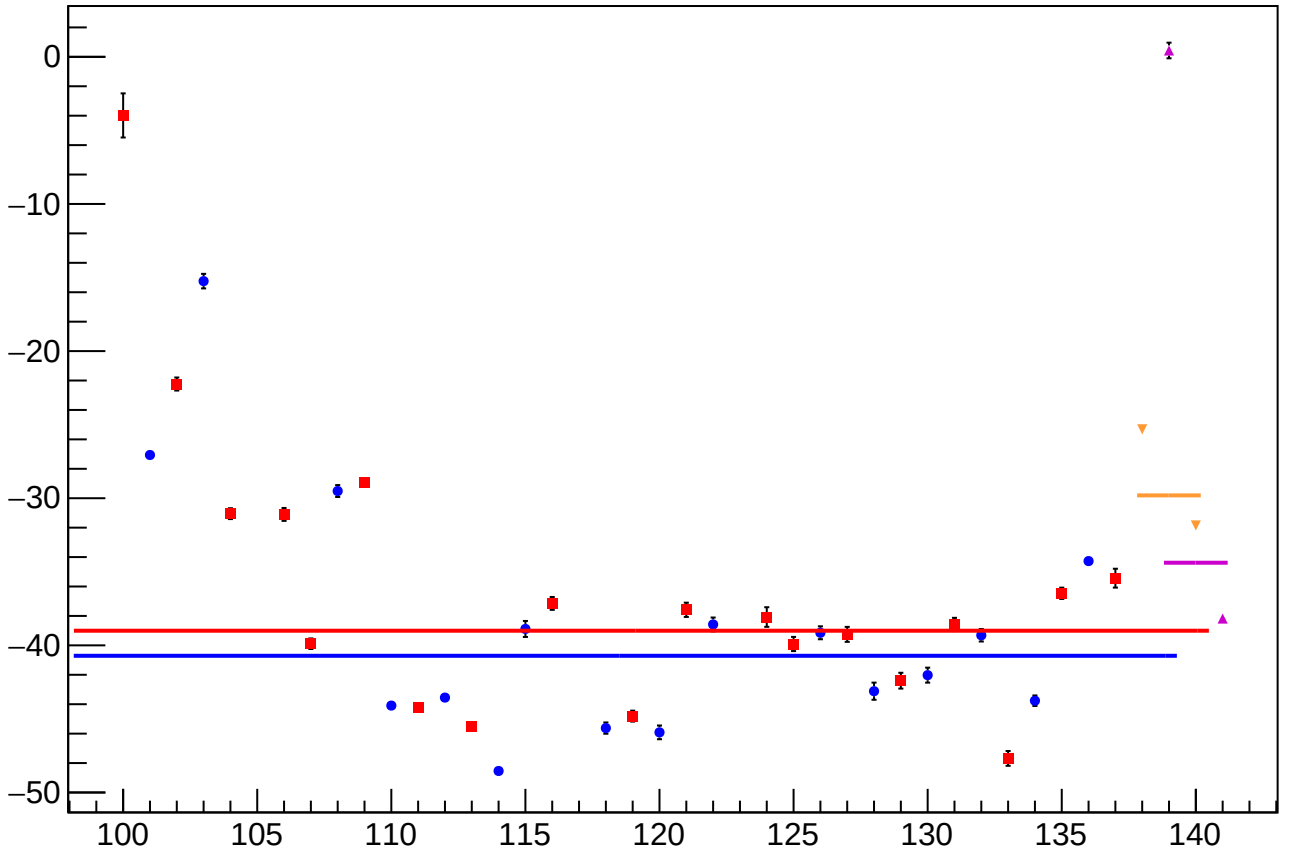
Left: -0.052+/-0.125 χ^2/NDF: 2169.6/3

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 20.973+/-0.054 χ^2/NDF:19624.8/17

Out: 19.965+/-0.045 χ^2/NDF:34416.6/20

All: 20.373+/-0.034 χ^2/NDF: 54248.0/38



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -29.806+/-0.146 χ^2/NDF:427.6/1

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -34.384+/-0.166 χ^2/NDF:4769.3/1

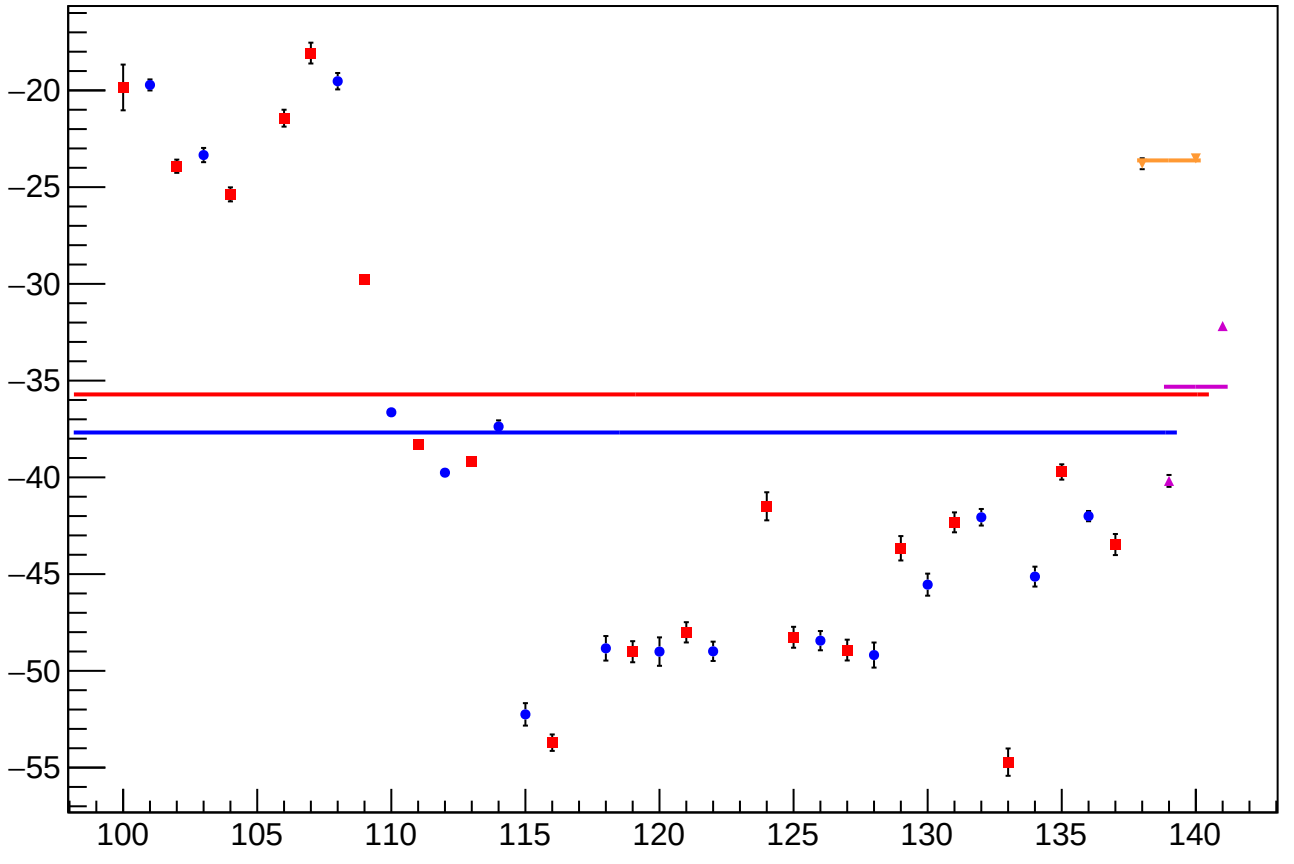
Left: -31.805+/-0.110 χ^2/NDF: 5623.2/3

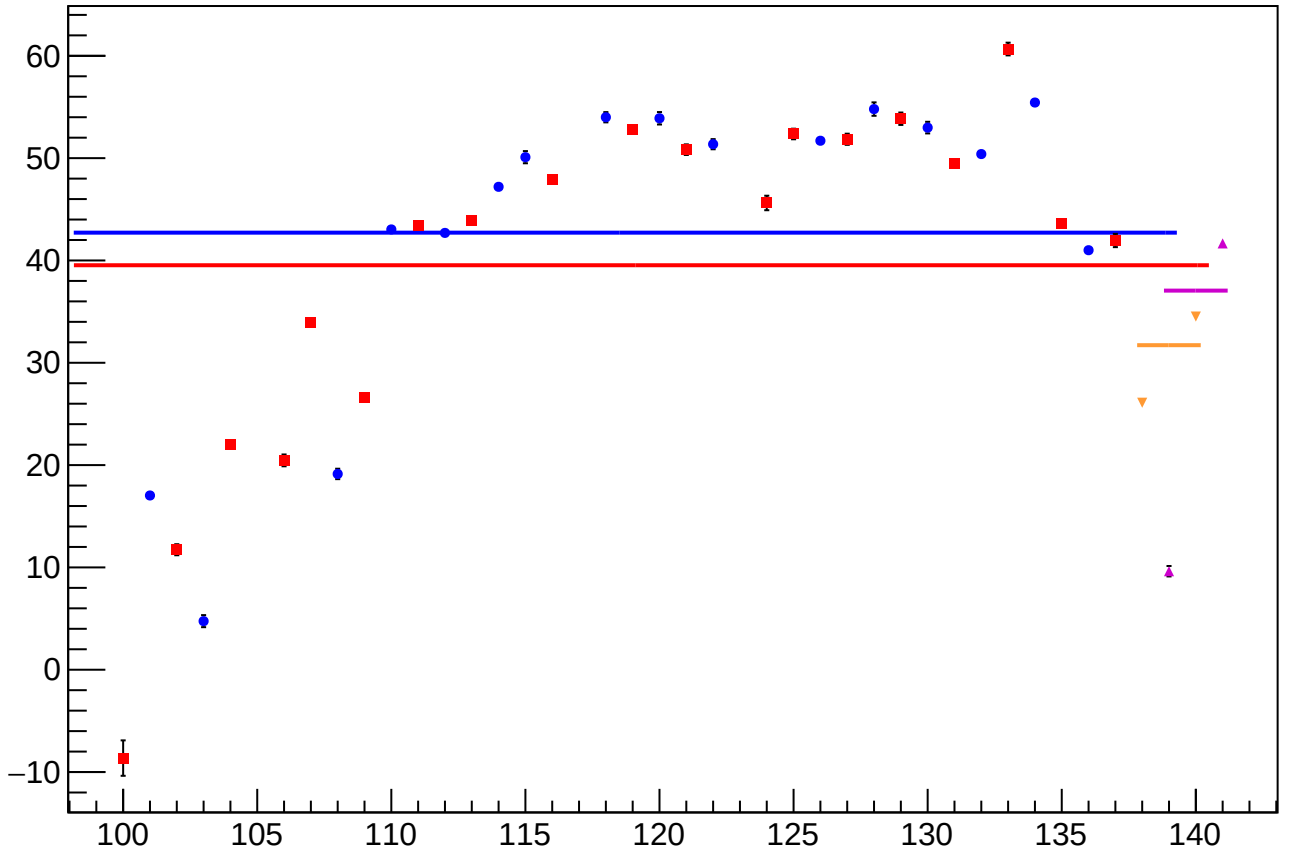
Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -39.606+/-0.070 χ^2/NDF:13742.1/17

Out: -37.254+/-0.064 χ^2/NDF:13721.0/20

All: -38.332+/-0.047 χ^2/NDF: 28083.7/38


reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−25
−30
−35
−40
−45
−50
−55
100
105
110
115
120
125
130
135
140
Right In: -37.681+/-0.074 χ²/NDF: 10853.9/15
Left Out: -23.619+/-0.174 χ²/NDF:0.6/1
Right Out: -35.714+/-0.064 χ²/NDF: 13274.5/18
Left In: -35.316+/-0.192 χ²/NDF:411.9/1
Left: -28.867+/-0.129 χ²/NDF: 2448.3/3
Right: -36.564+/-0.048 χ²/NDF: 24532.6/34
In: -37.378+/-0.069 χ²/NDF:11397.5/17
Out: -34.254+/-0.060 χ²/NDF:17541.2/20
All: -35.610+/-0.045 χ²/NDF: 30103.3/38



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 31.720+/-0.174 χ^2/NDF:521.6/1

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 37.054+/-0.193 χ^2/NDF:3391.7/1

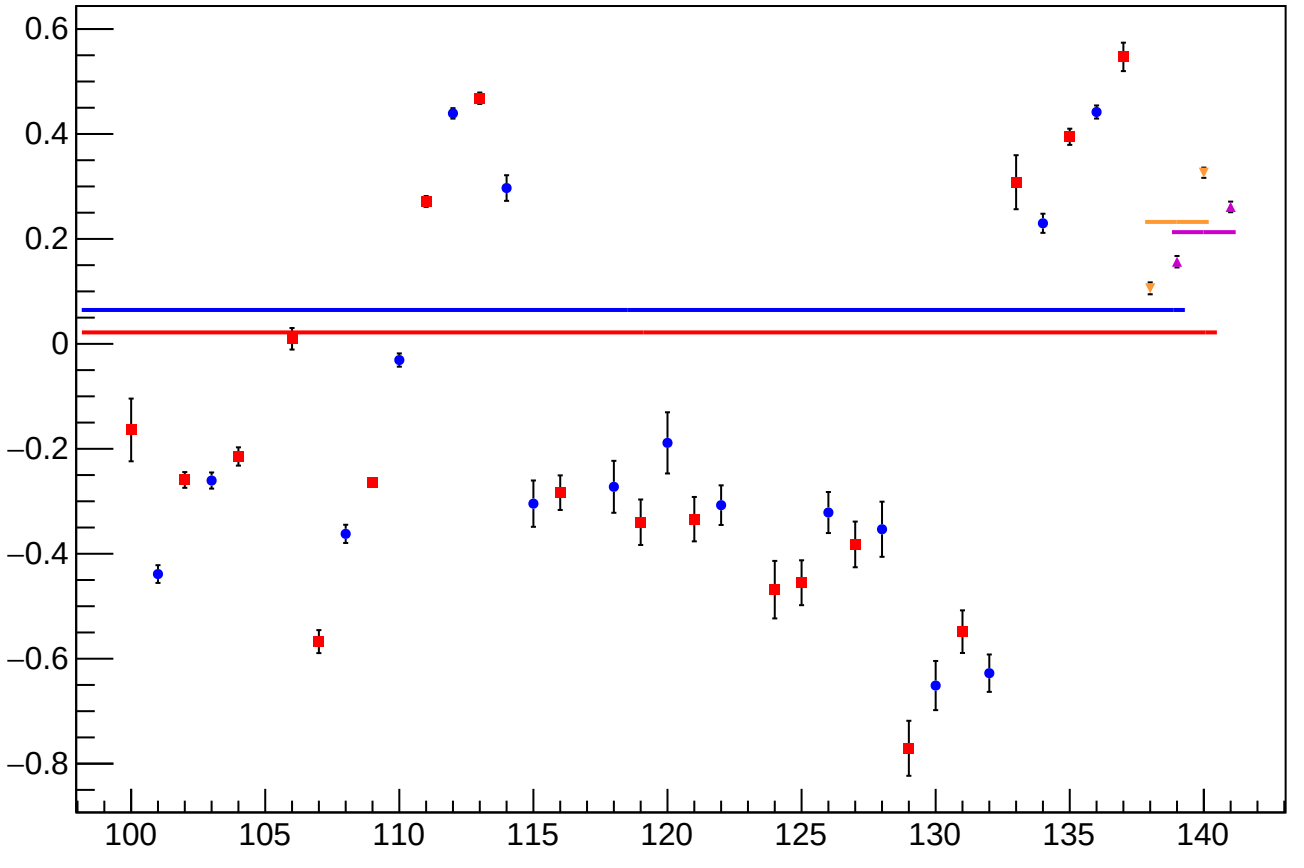
Left: 34.105+/-0.129 χ^2/NDF: 4335.0/3

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.798+/-0.078 χ^2/NDF:18877.1/17

Out: 38.217+/-0.071 χ^2/NDF:20182.7/20

All: 39.850+/-0.053 χ^2/NDF: 40210.7/38



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.232+/-0.007 χ^2/NDF:215.8/1

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.213+/-0.007 χ^2/NDF:49.3/1

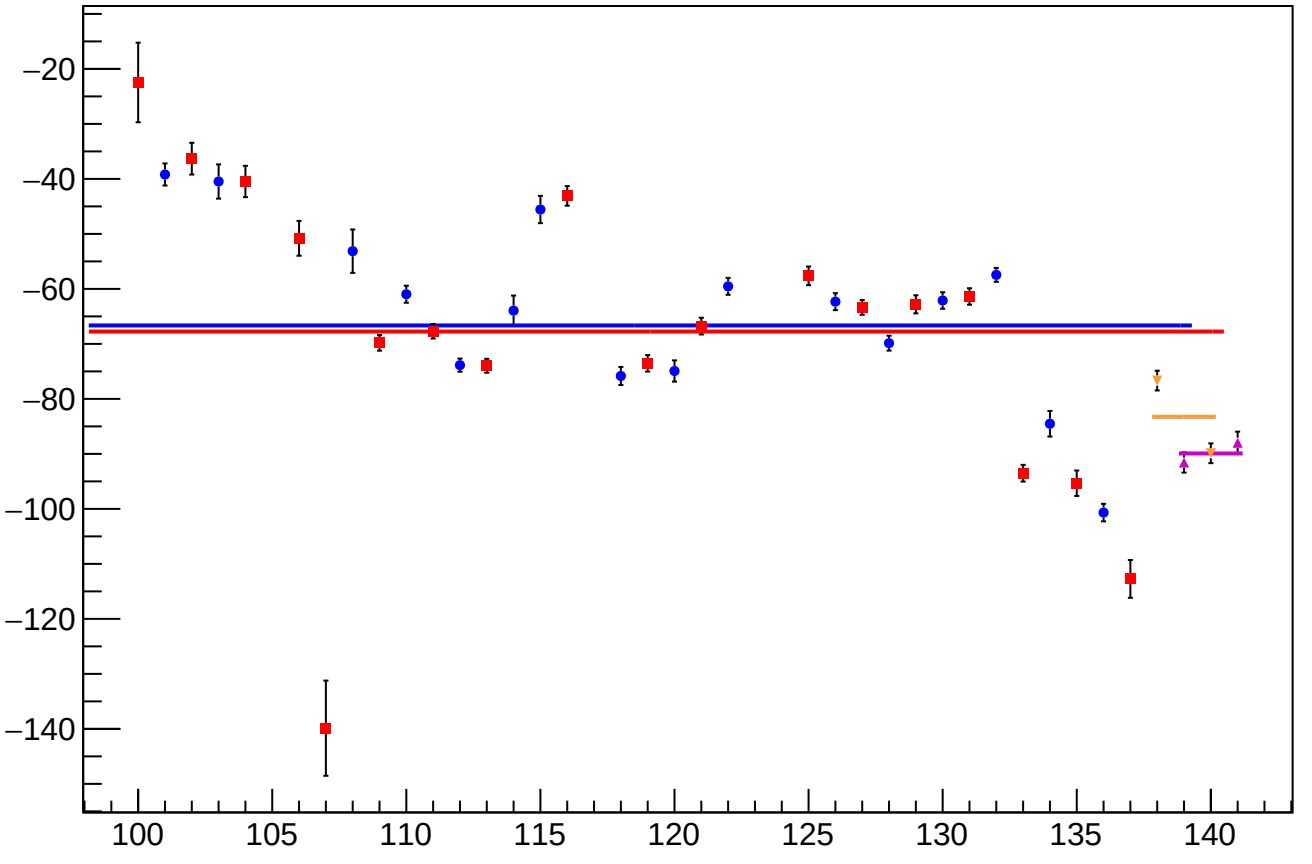
Left: 0.223+/-0.005 χ^2/NDF: 268.5/3

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.109+/-0.004 χ^2/NDF:5827.3/17

Out: 0.076+/-0.004 χ^2/NDF:7218.2/20

All: 0.092+/-0.003 χ^2/NDF: 13080.0/38



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -83.263+/-1.270 χ^2/NDF:27.1/1

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -89.924+/-1.358 χ^2/NDF:1.7/1

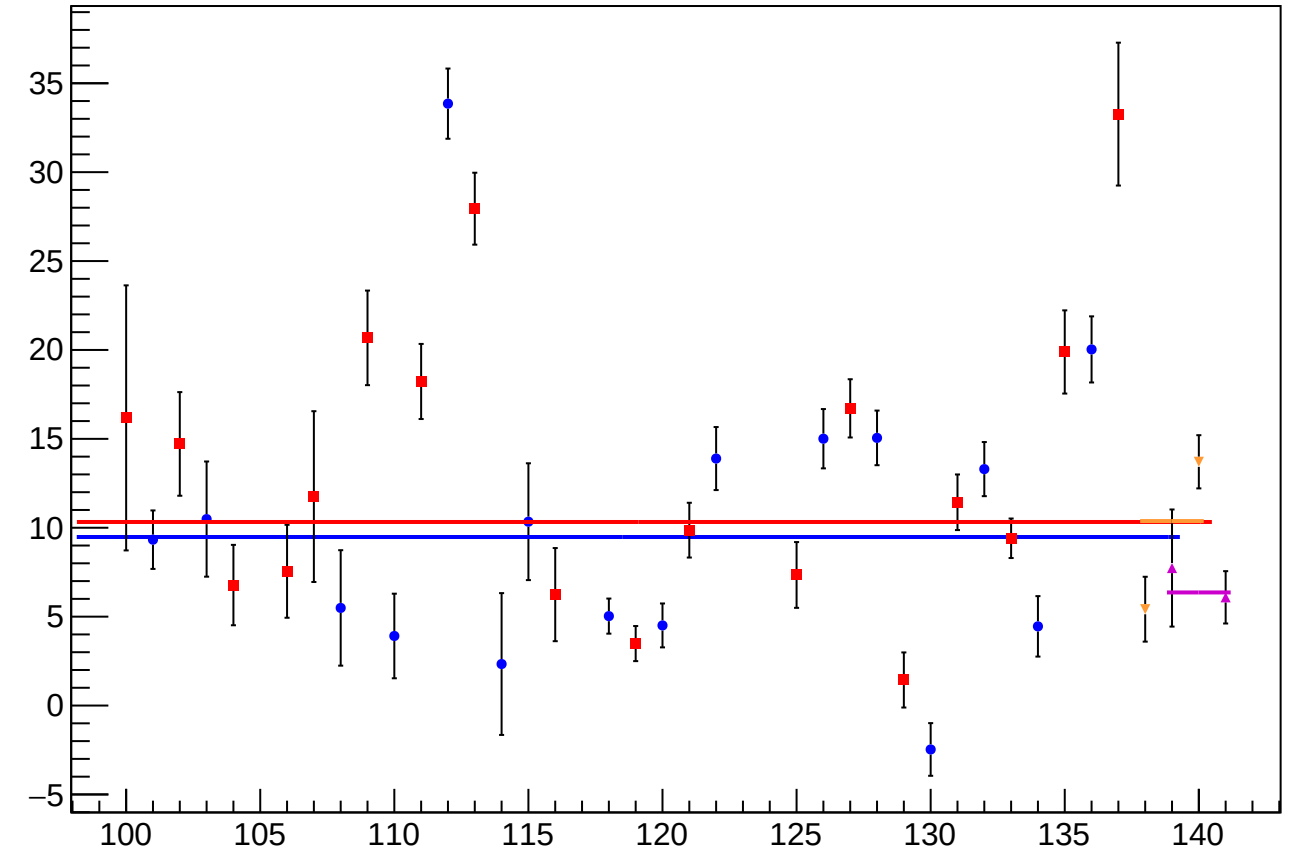
Left: -86.371+/-0.927 χ^2/NDF: 41.6/3

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -68.735+/-0.407 χ^2/NDF:1321.7/17

Out: -69.280+/-0.398 χ^2/NDF:1416.9/19

All: -69.013+/-0.285 χ^2/NDF: 2739.5/37



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 10.376+/-1.157 χ^2/NDF:12.4/1

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 6.361+/-1.344 χ^2/NDF:0.2/1

Left: 8.667+/-0.877 χ^2/NDF: 17.7/3

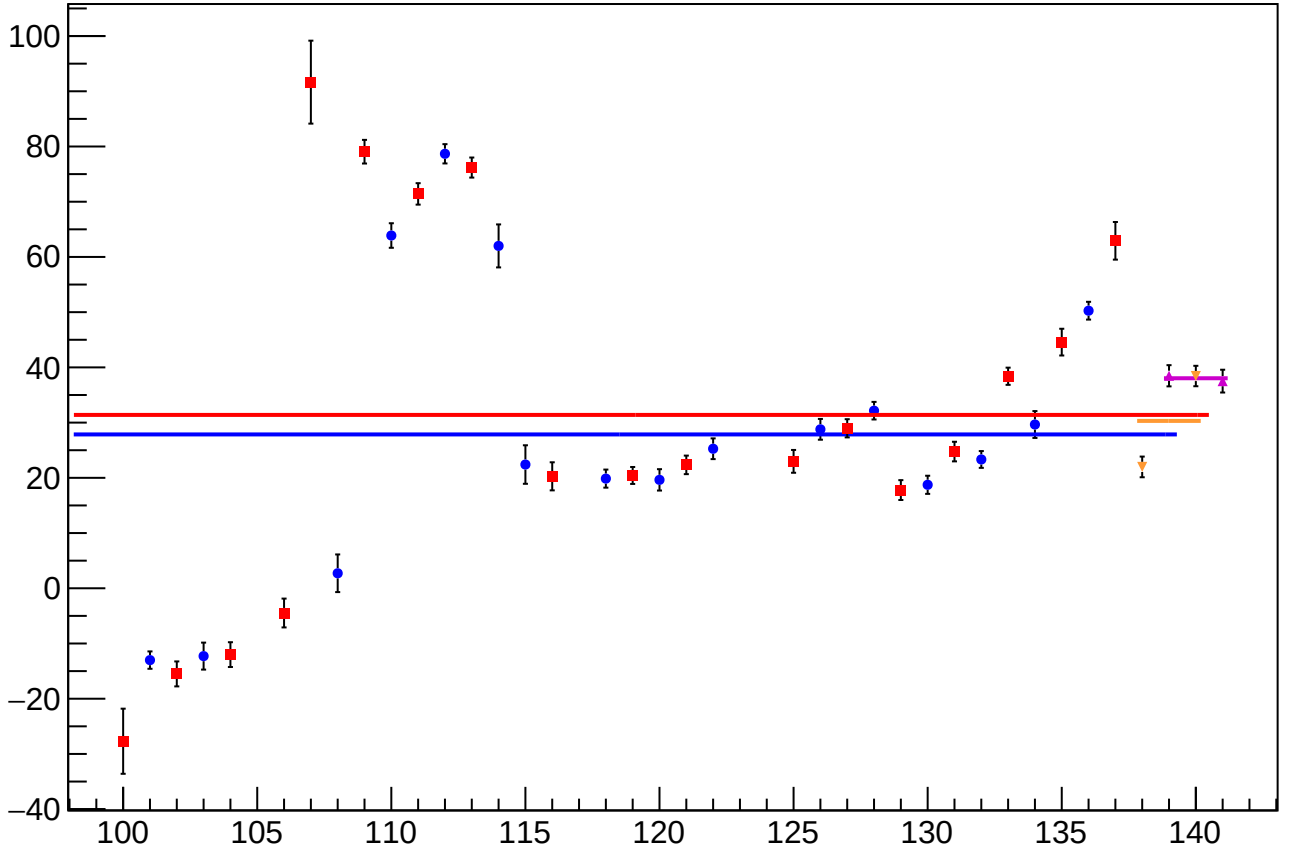
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 9.192+/-0.408 χ^2/NDF:347.0/17

Out: 10.331+/-0.408 χ^2/NDF:275.7/19

All: 9.762+/-0.288 χ^2/NDF: 626.7/37

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 30.308+/-1.316 χ^2/NDF:39.1/1

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 38.033+/-1.406 χ^2/NDF:0.1/1

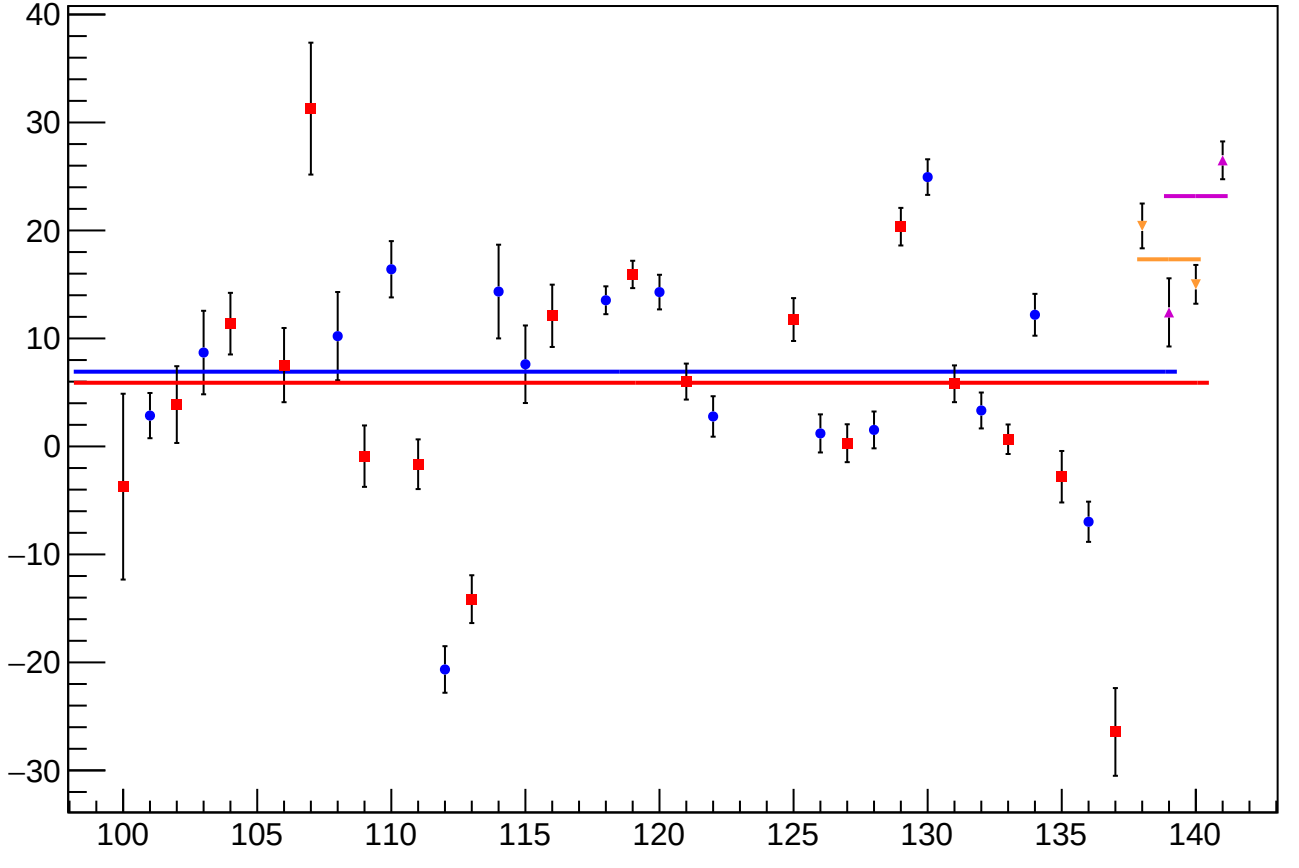
Left: 33.915+/-0.961 χ^2/NDF: 55.3/3

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 28.932+/-0.456 χ^2/NDF:2520.9/17

Out: 31.263+/-0.457 χ^2/NDF:3051.1/19

All: 30.095+/-0.323 χ^2/NDF: 5585.1/37



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.329+/-1.358 χ^2/NDF:3.9/1

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 23.182+/-1.531 χ^2/NDF:15.2/1

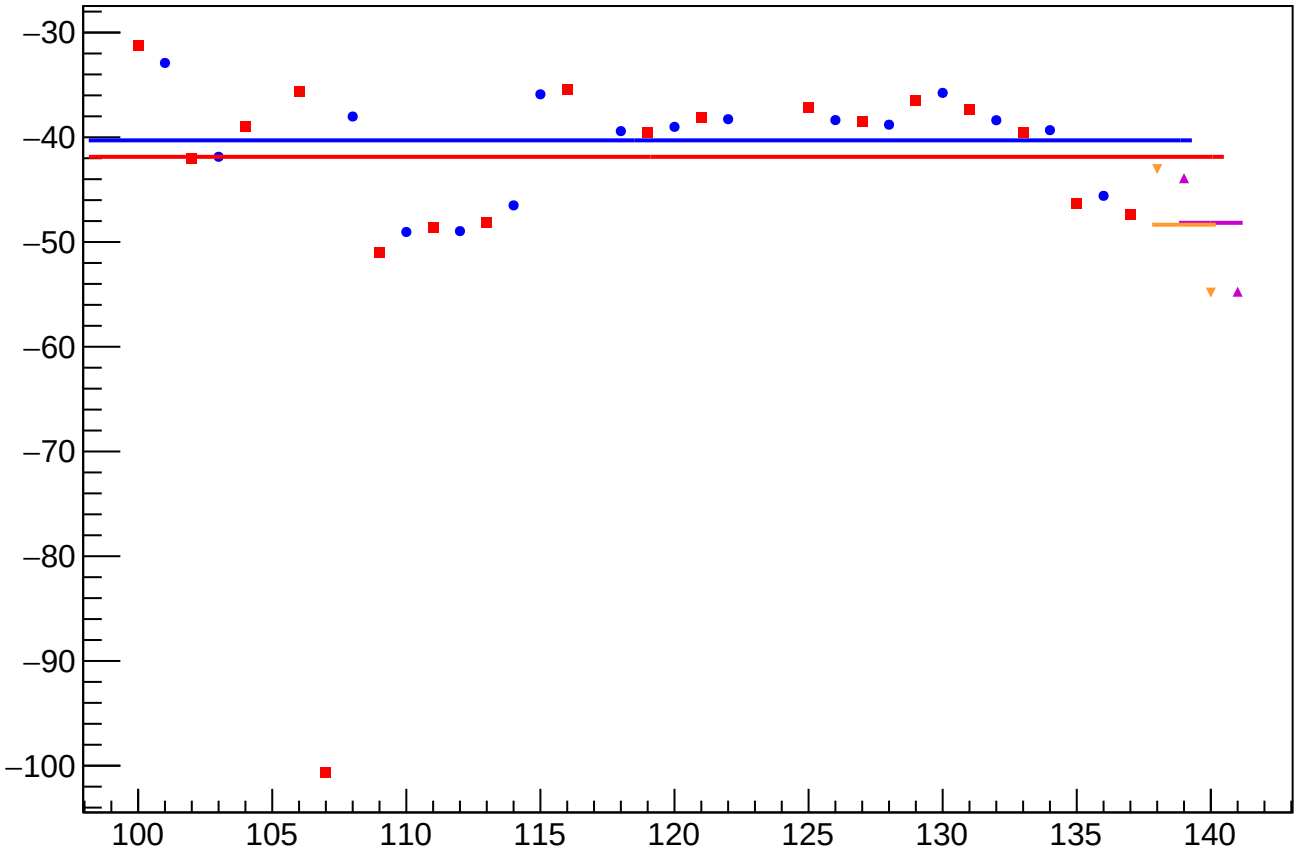
Left: 19.906+/-1.016 χ^2/NDF: 27.3/3

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 8.464+/-0.471 χ^2/NDF:561.7/17

Out: 7.270+/-0.471 χ^2/NDF:433.9/19

All: 7.866+/-0.333 χ^2/NDF: 998.8/37



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -48.347+/-0.055 χ^2/NDF:11269.0/1

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -48.166+/-0.053 χ^2/NDF:9975.9/1

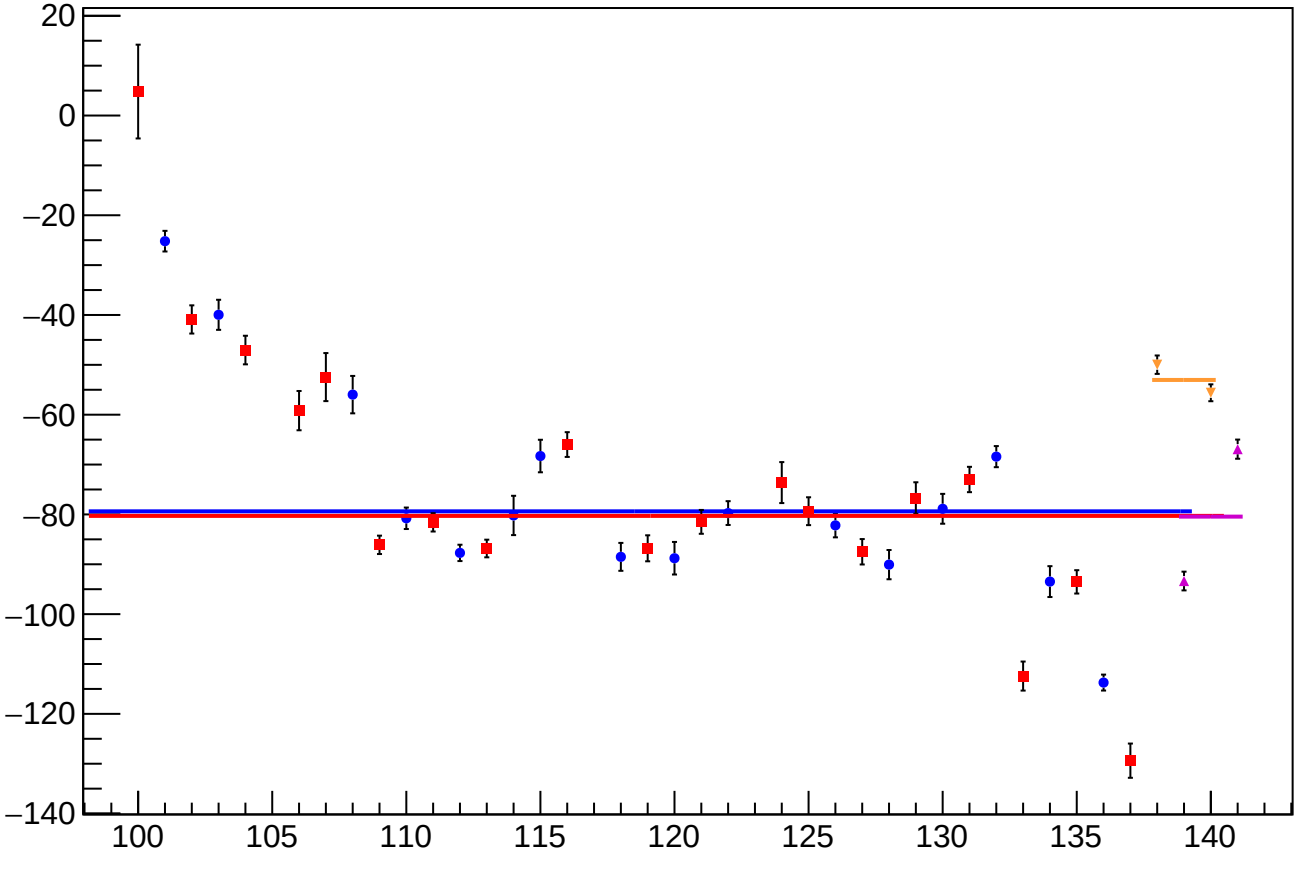
Left: -48.253+/-0.038 χ^2/NDF: 21250.5/3

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -42.339+/-0.027 χ^2/NDF:46972.3/17

Out: -43.503+/-0.028 χ^2/NDF:80290.3/19

All: -42.905+/-0.019 χ^2/NDF: 128166.9/37



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -53.032+/-1.248 χ^2/NDF:5.1/1

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -80.442+/-1.344 χ^2/NDF:96.7/1

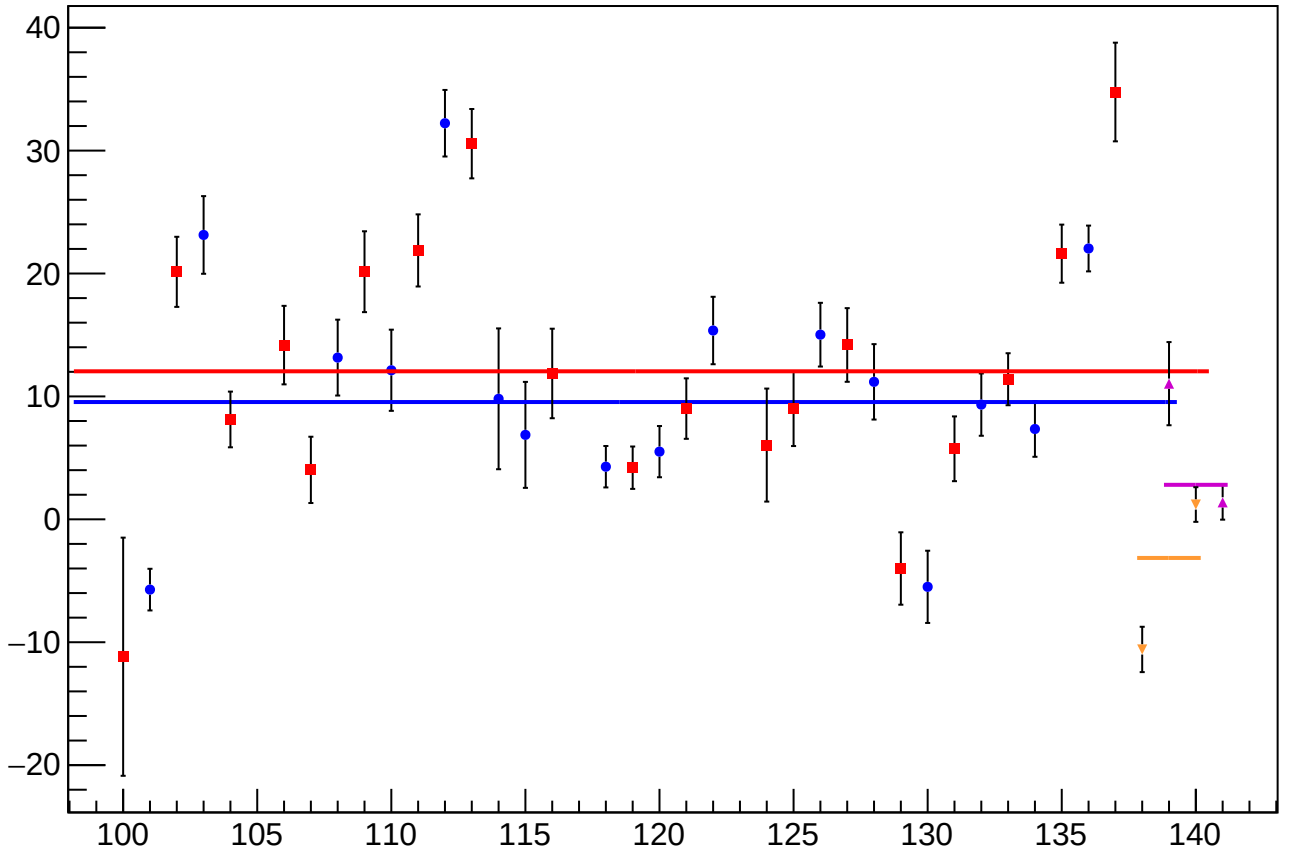
Left: -65.718+/-0.914 χ^2/NDF: 325.2/3

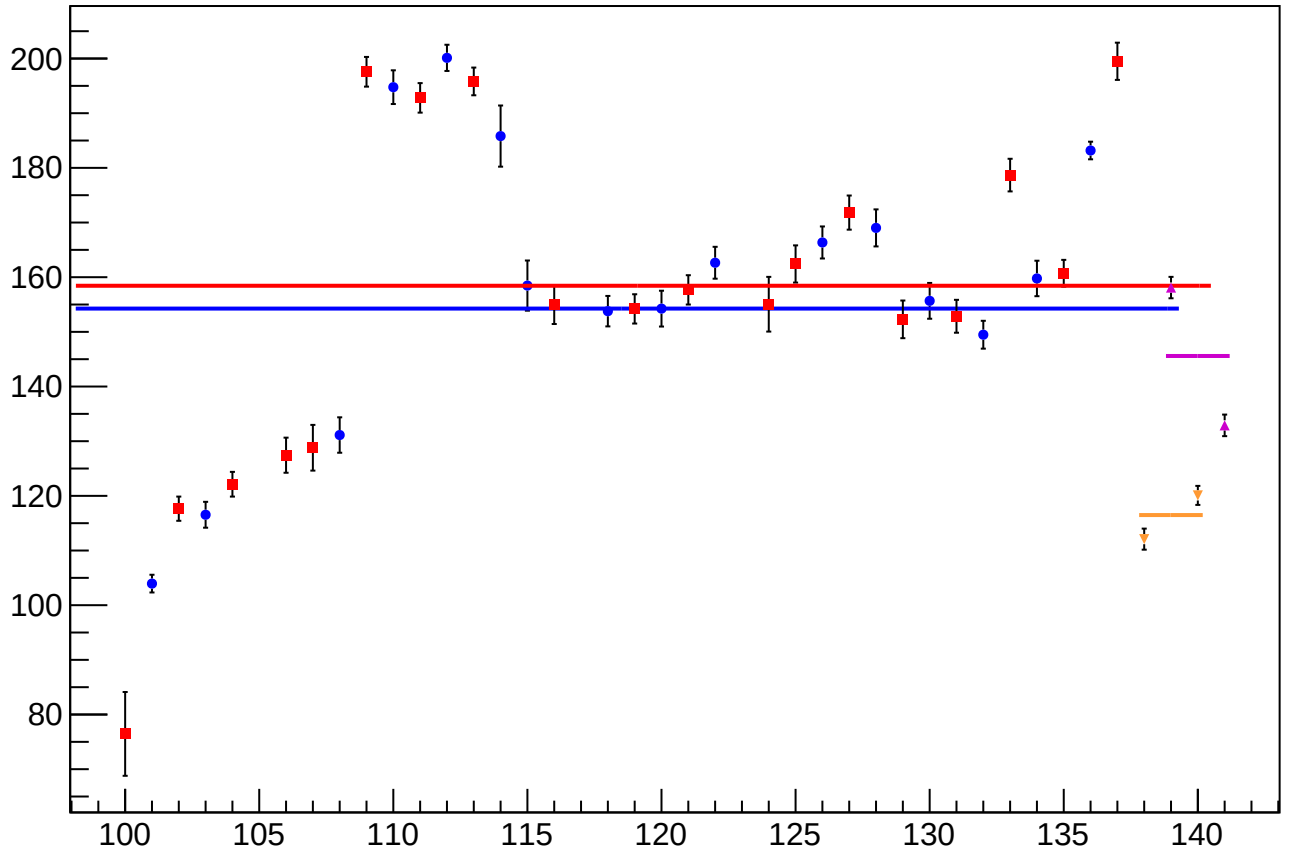
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -79.564+/-0.556 χ^2/NDF:1573.1/17

Out: -75.117+/-0.544 χ^2/NDF:1306.6/20

All: -77.290+/-0.389 χ^2/NDF: 2912.4/38


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
105
110
115
120
125
130
135
140
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: -3.142+/-1.120 χ²/NDF:25.8/1
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 2.807+/-1.300 χ²/NDF:6.9/1
Left: -0.608+/-0.848 χ²/NDF: 44.8/3
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 8.290+/-0.561 χ²/NDF:295.9/17
Out: 8.333+/-0.554 χ²/NDF:360.6/20
All: 8.312+/-0.394 χ²/NDF: 656.4/38



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 116.488+/-1.292 χ^2/NDF:9.5/1

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 145.588+/-1.390 χ^2/NDF:82.2/1

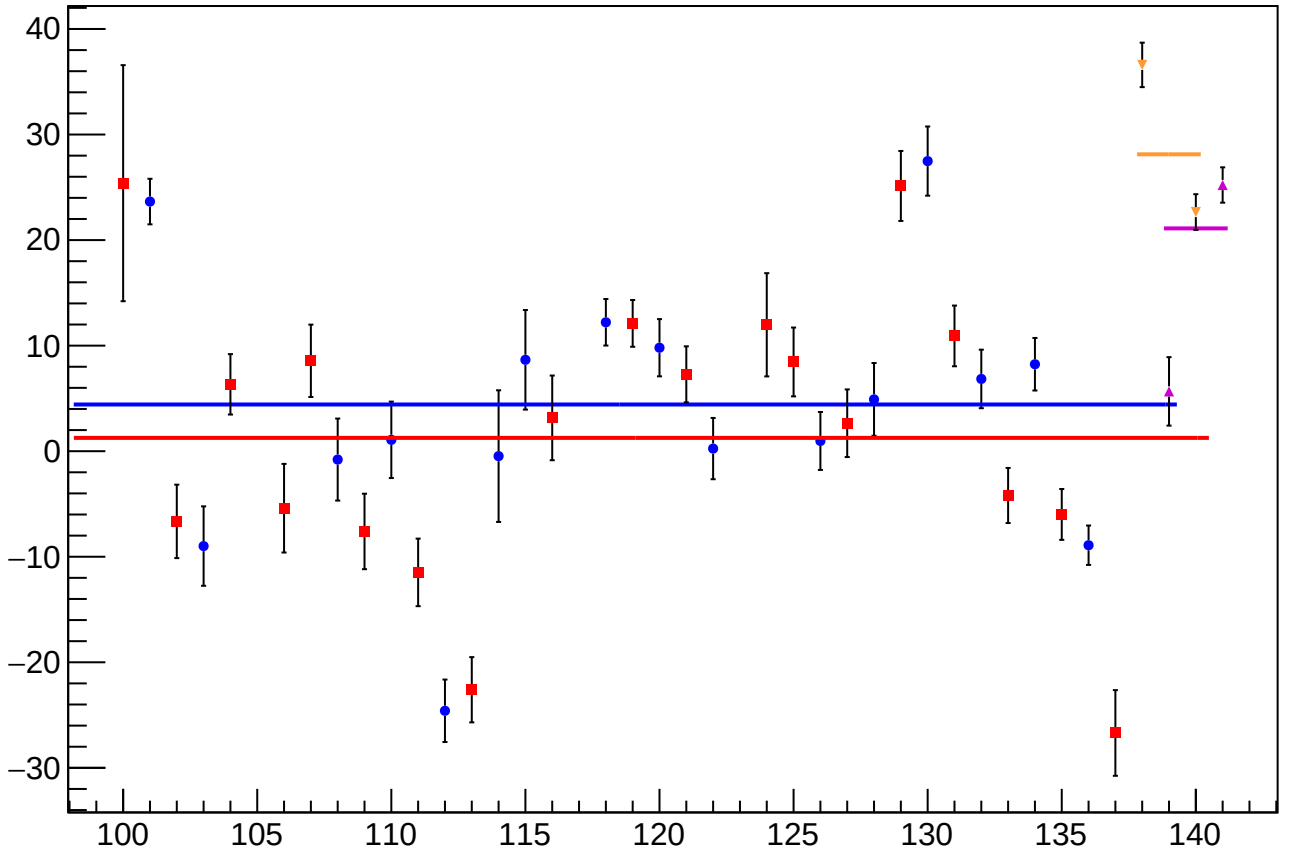
Left: 129.970+/-0.946 χ^2/NDF: 326.9/3

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 152.658+/-0.597 χ^2/NDF:2327.6/17

Out: 149.276+/-0.603 χ^2/NDF:2498.3/20

All: 150.984+/-0.425 χ^2/NDF: 4841.7/38



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 28.125+/-1.319 χ^2/NDF:26.6/1

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 21.107+/-1.488 χ^2/NDF:28.7/1

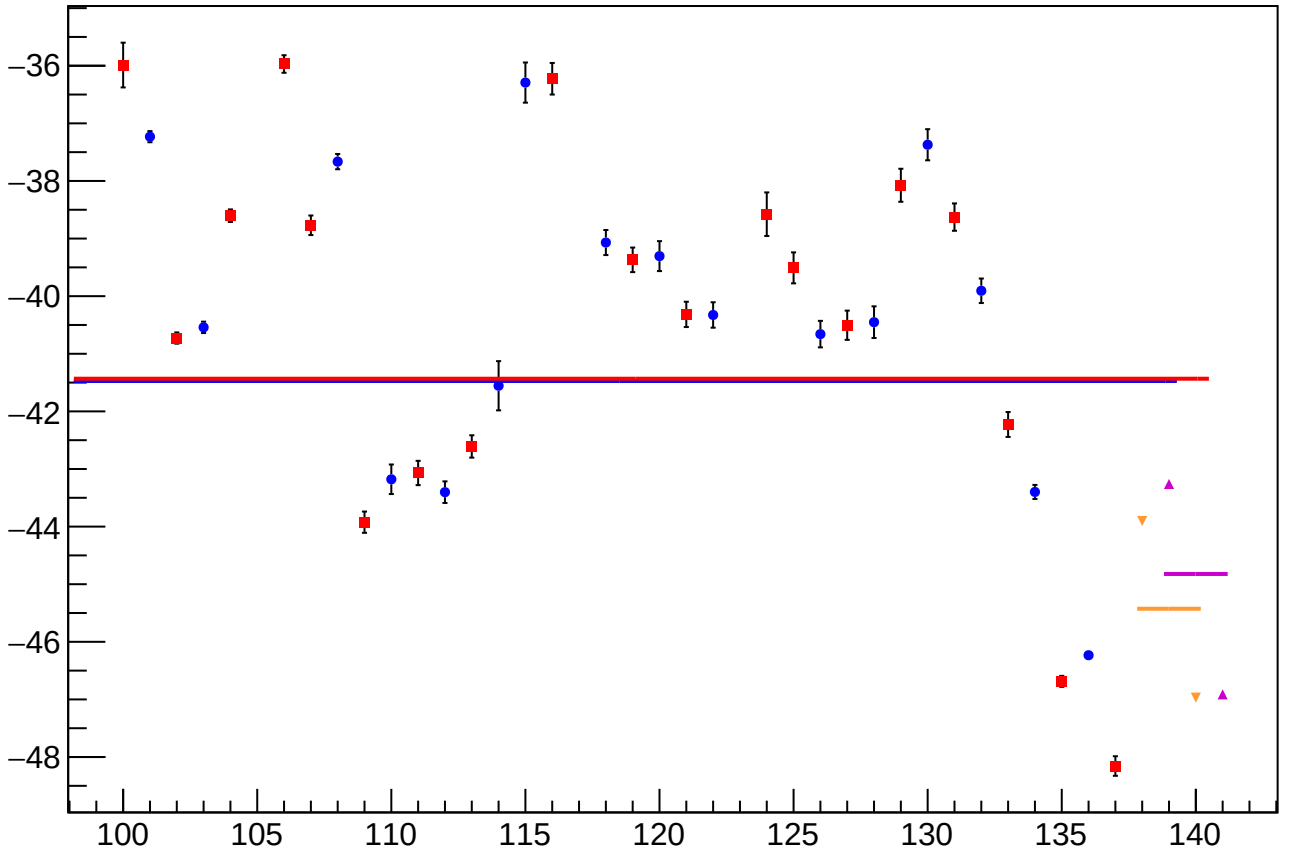
Left: 25.035+/-0.987 χ^2/NDF: 67.8/3

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 7.547+/-0.644 χ^2/NDF:447.0/17

Out: 7.578+/-0.640 χ^2/NDF:608.6/20

All: 7.563+/-0.454 χ^2/NDF: 1055.6/38



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -45.426+/-0.055 χ^2/NDF:787.2/1

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -44.822+/-0.053 χ^2/NDF:1169.2/1

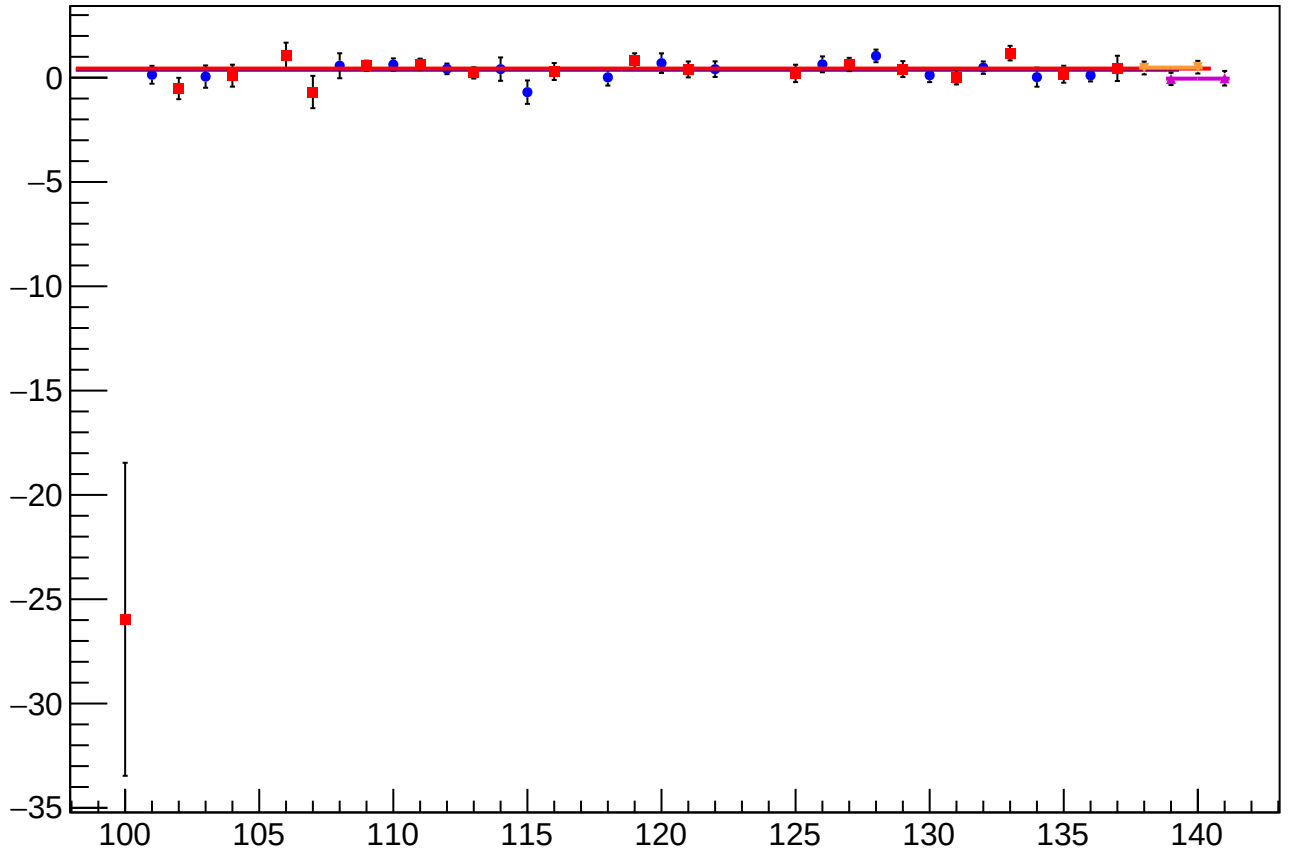
Left: -45.114+/-0.038 χ^2/NDF: 2019.4/3

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -42.618+/-0.031 χ^2/NDF:11725.3/17

Out: -42.804+/-0.032 χ^2/NDF:12519.1/20

All: -42.708+/-0.022 χ^2/NDF: 24261.8/38



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.482+/-0.217 χ^2/NDF:0.0/1

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: -0.045+/-0.226 χ^2/NDF:0.0/1

Left: 0.230+/-0.156 χ^2/NDF: 2.9/3

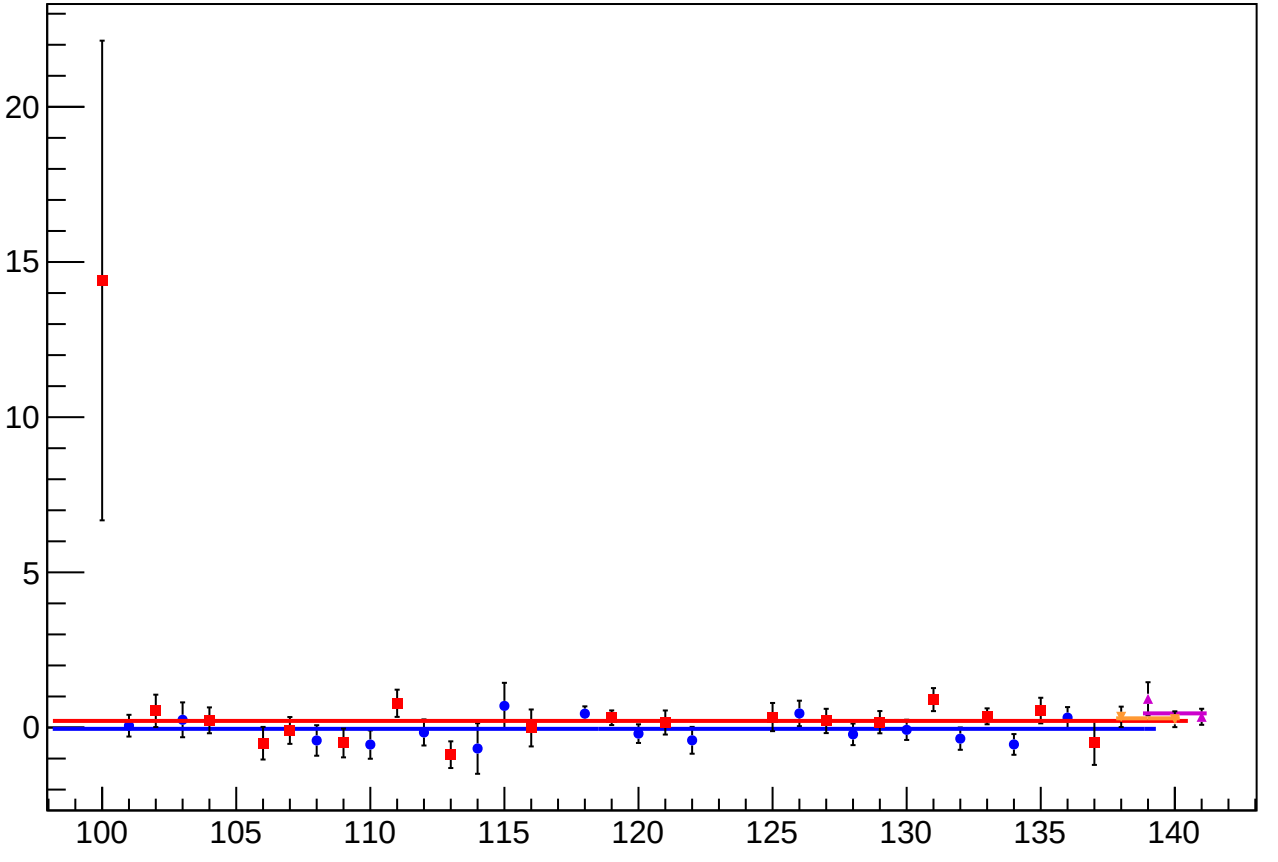
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.321+/-0.085 χ^2/NDF:17.1/17

Out: 0.443+/-0.083 χ^2/NDF:29.0/19

All: 0.384+/-0.060 χ^2/NDF: 47.1/37

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.296+/-0.201 χ^2/NDF:0.0/1

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.456+/-0.233 χ^2/NDF:1.0/1

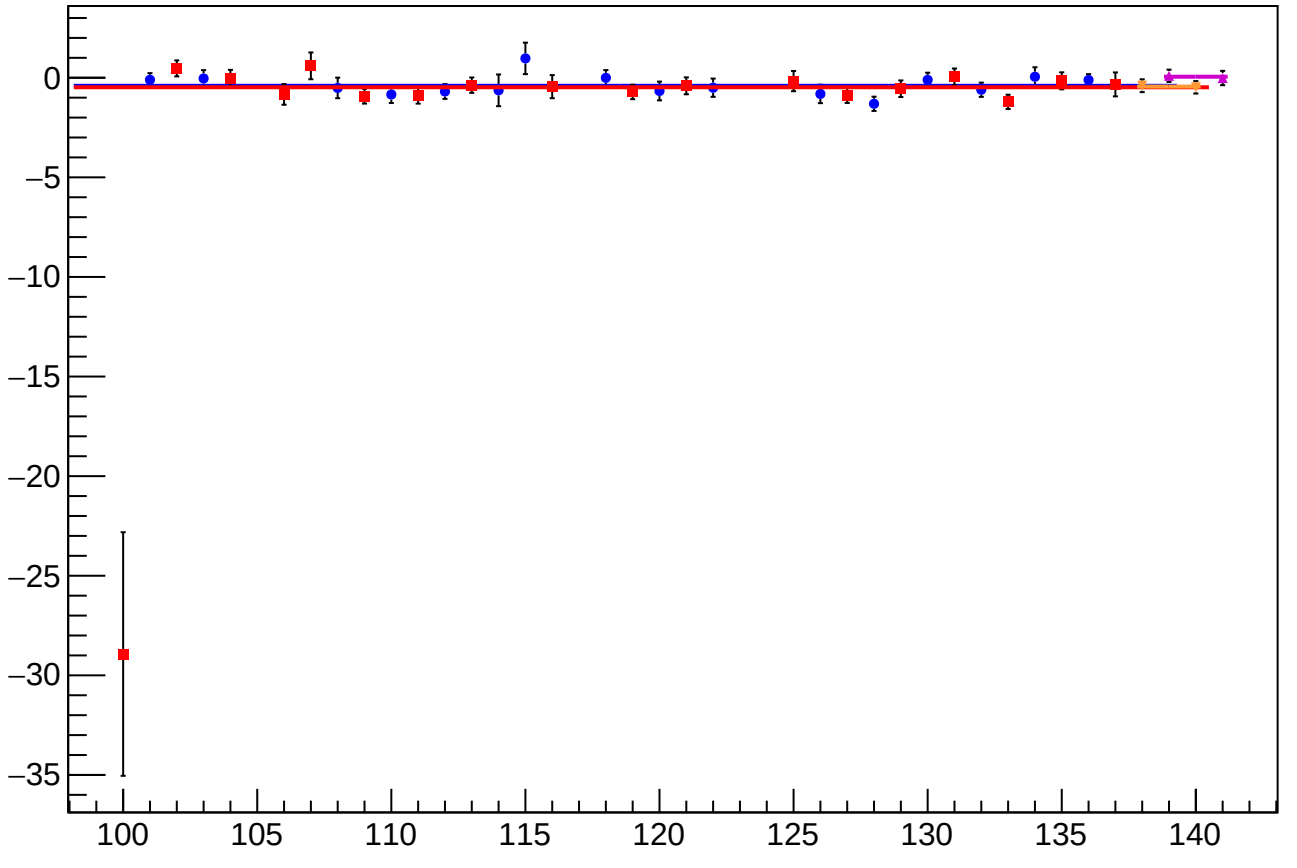
Left: 0.365+/-0.152 χ^2/NDF: 1.3/3

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.028+/-0.087 χ^2/NDF:19.9/17

Out: 0.228+/-0.086 χ^2/NDF:22.6/19

All: 0.129+/-0.061 χ^2/NDF: 45.2/37



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.442+/-0.224 χ^2/NDF:0.0/1

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: 0.051+/-0.234 χ^2/NDF:0.1/1

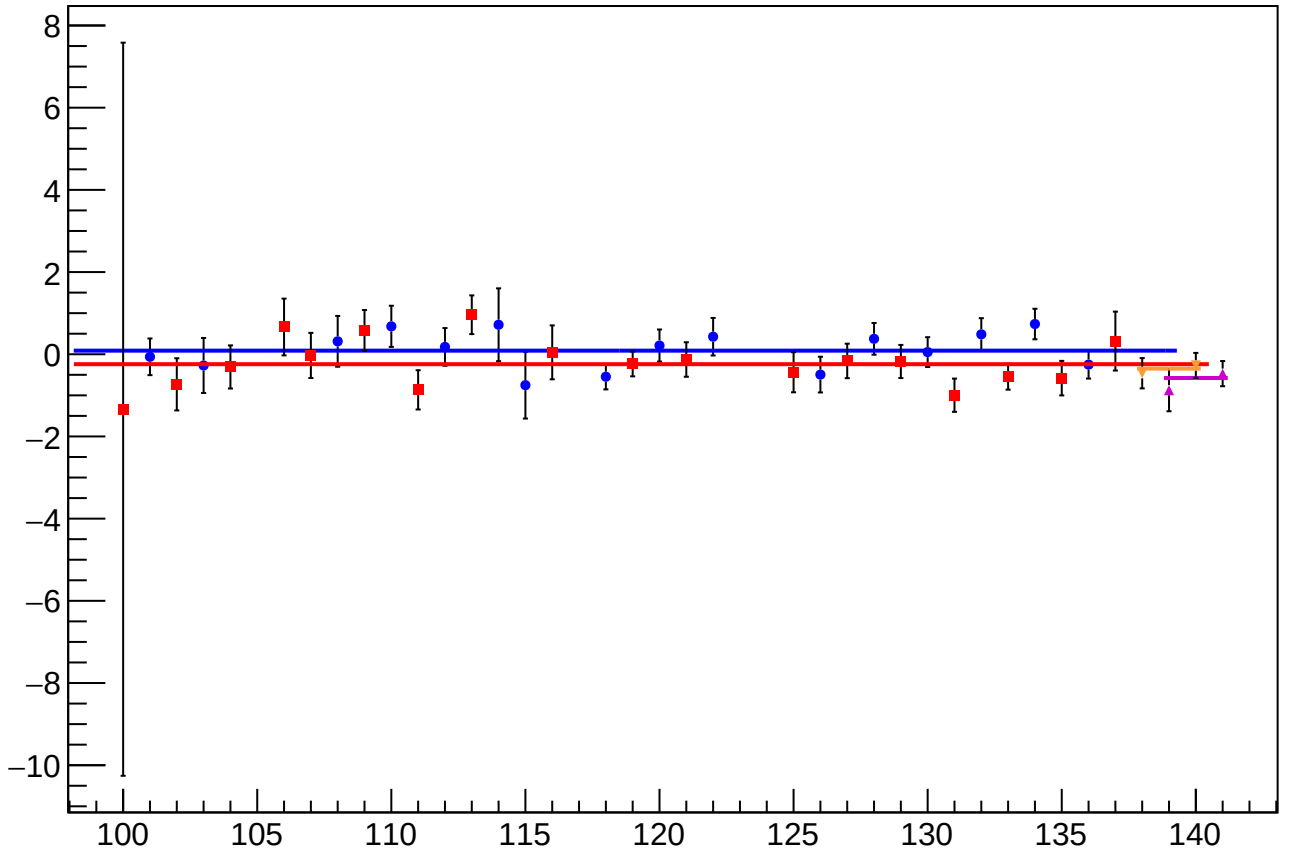
Left: -0.206+/-0.162 χ^2/NDF: 2.4/3

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.331+/-0.094 χ^2/NDF:21.0/17

Out: -0.471+/-0.095 χ^2/NDF:42.3/19

All: -0.401+/-0.067 χ^2/NDF: 64.4/37



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.349+/-0.235 χ^2/NDF:0.2/1

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.578+/-0.263 χ^2/NDF:0.5/1

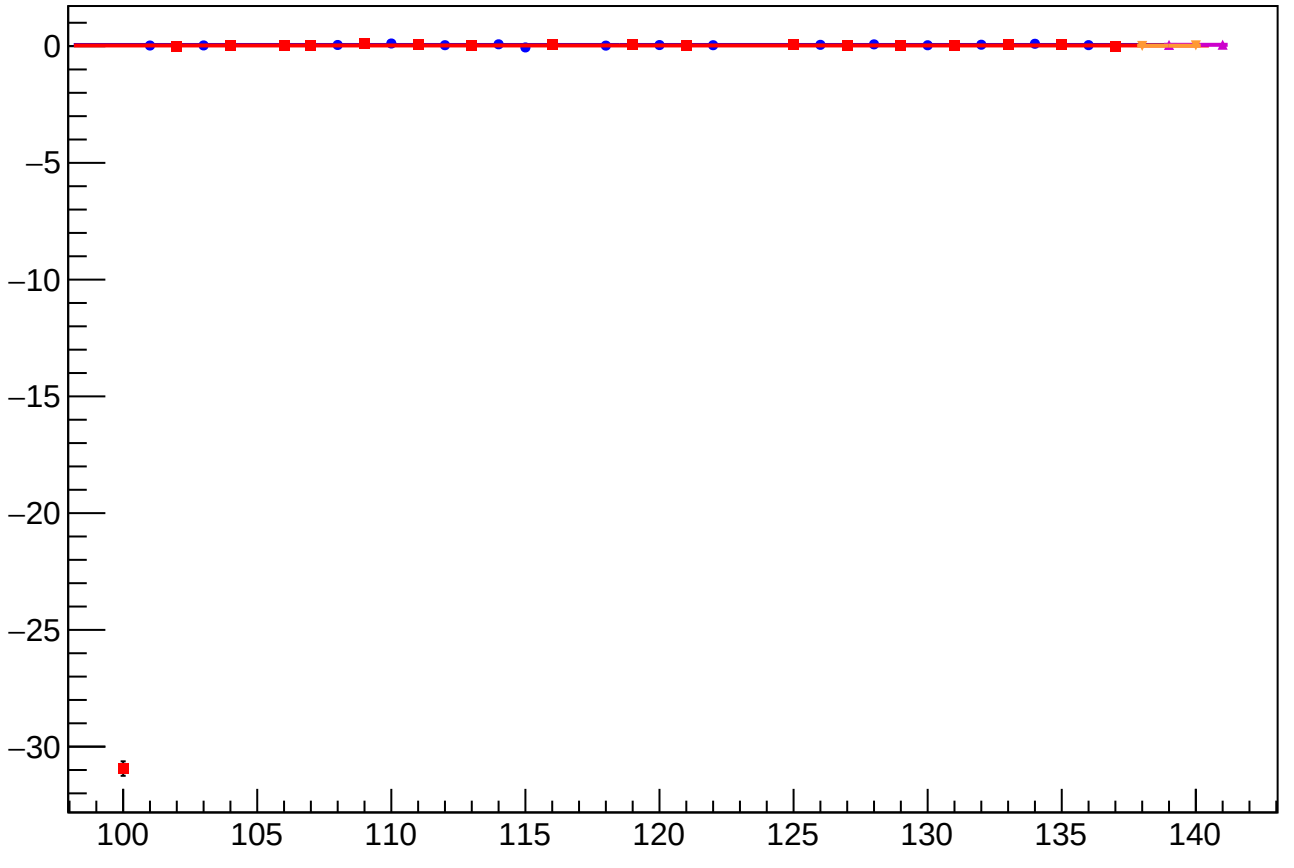
Left: -0.450+/-0.175 χ^2/NDF: 1.0/3

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.009+/-0.100 χ^2/NDF:21.8/17

Out: -0.261+/-0.099 χ^2/NDF:19.9/19

All: -0.136+/-0.071 χ^2/NDF: 44.9/37



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.018+/-0.009 χ^2/NDF:1.7/1

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.055+/-0.009 χ^2/NDF:0.2/1

Left: 0.038+/-0.006 χ^2/NDF: 10.6/3

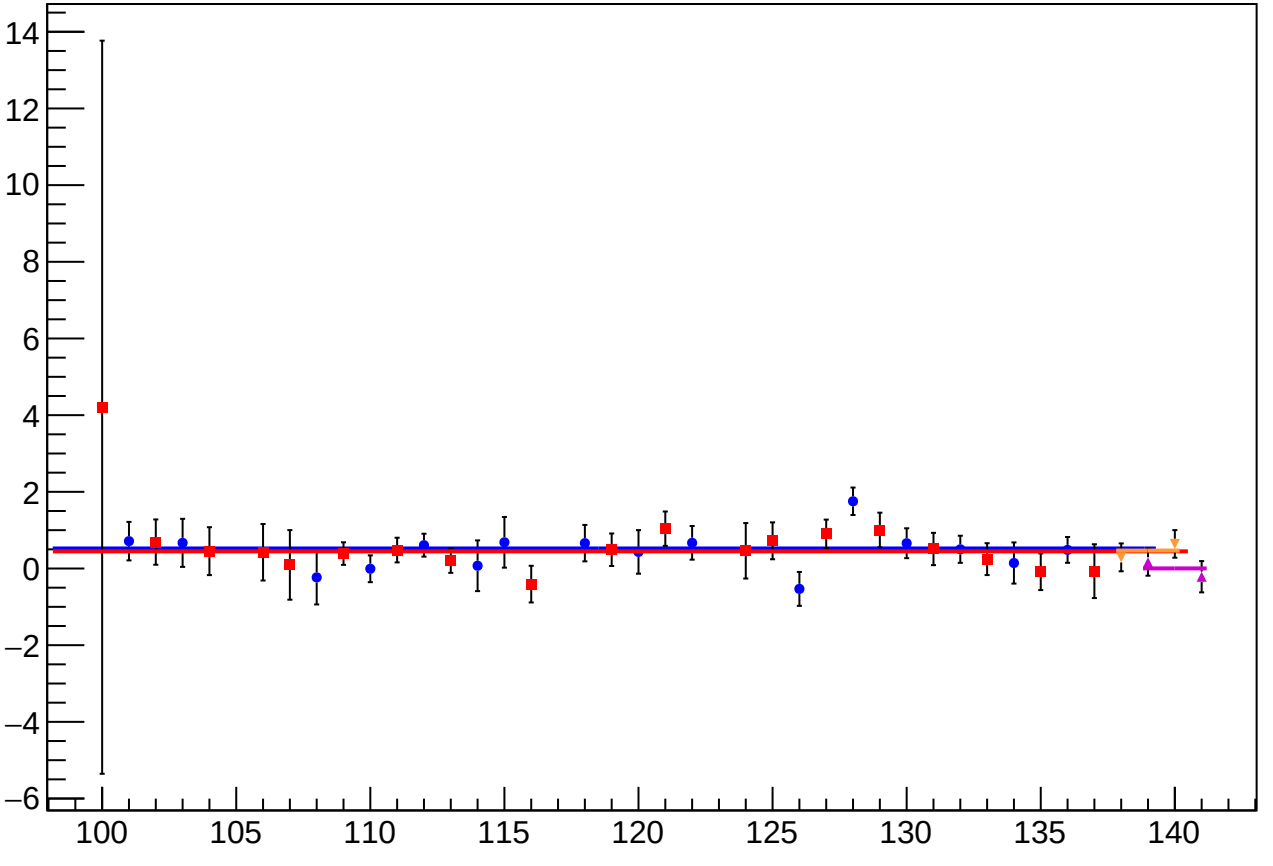
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.051+/-0.005 χ^2/NDF:19.8/17

Out: 0.025+/-0.005 χ^2/NDF:10023.5/19

All: 0.038+/-0.004 χ^2/NDF: 10056.1/37

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.468+/-0.256 χ^2/NDF:0.5/1

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: 0.003+/-0.266 χ^2/NDF:0.5/1

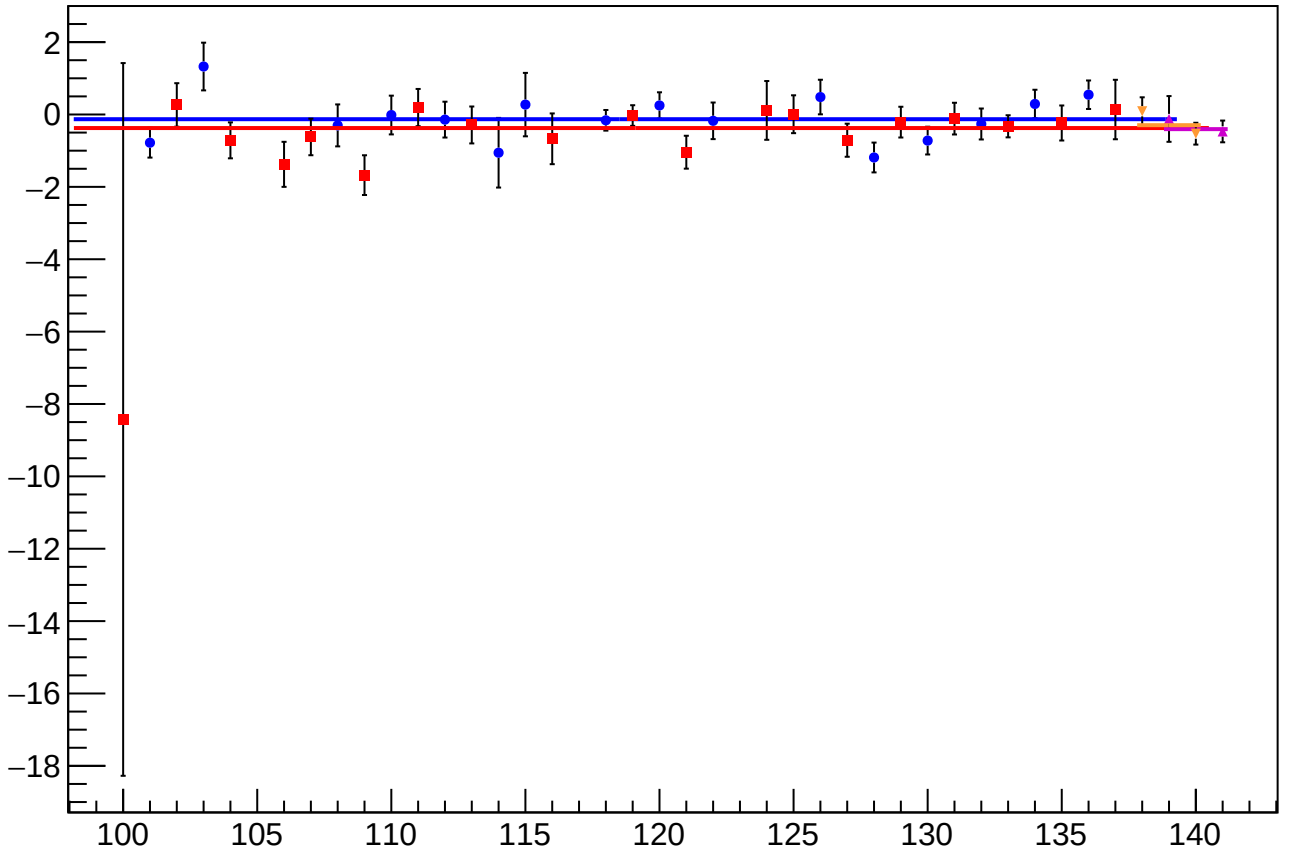
Left: 0.244+/-0.184 χ^2/NDF: 2.6/3

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.448+/-0.100 χ^2/NDF:26.4/17

Out: 0.451+/-0.097 χ^2/NDF:11.9/20

All: 0.449+/-0.070 χ^2/NDF: 38.3/38



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.295+/-0.238 χ^2/NDF:1.6/1

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.405+/-0.271 χ^2/NDF:0.2/1

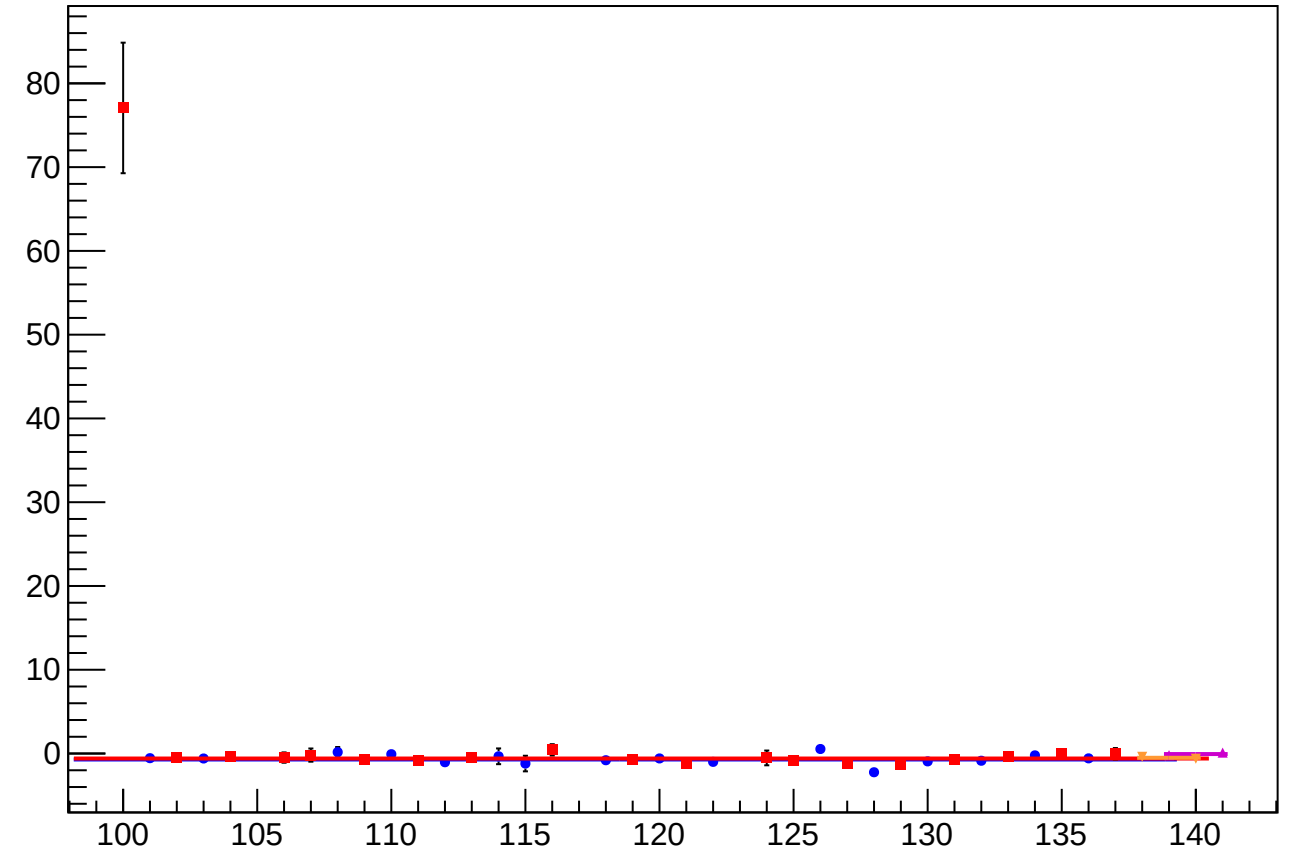
Left: -0.343+/-0.179 χ^2/NDF: 1.9/3

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.170+/-0.103 χ^2/NDF:25.7/17

Out: -0.361+/-0.101 χ^2/NDF:19.9/20

All: -0.267+/-0.072 χ^2/NDF: 47.3/38



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.511+/-0.265 χ^2/NDF:0.2/1

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: -0.065+/-0.275 χ^2/NDF:0.3/1

Left: -0.296+/-0.191 χ^2/NDF: 1.8/3

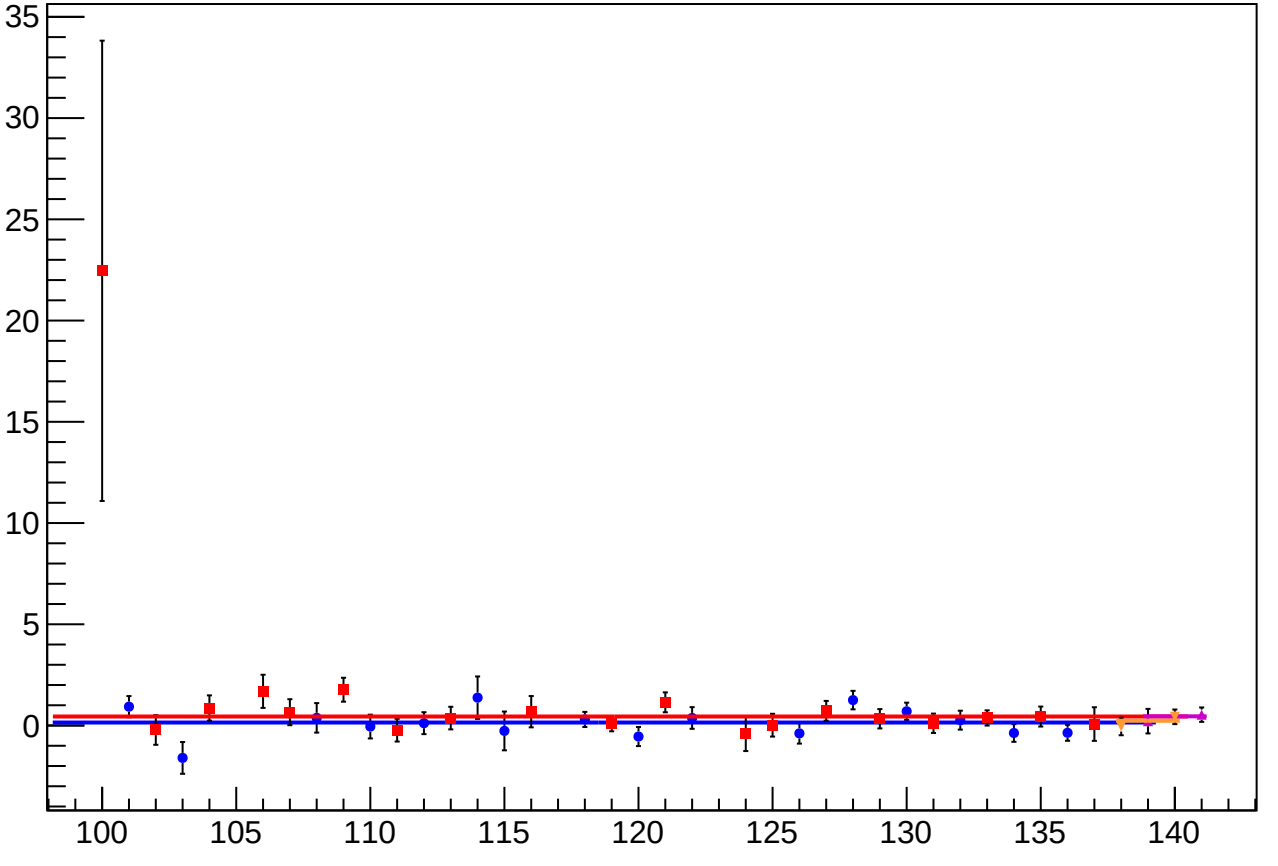
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.607+/-0.111 χ^2/NDF:29.9/17

Out: -0.582+/-0.111 χ^2/NDF:111.2/20

All: -0.594+/-0.078 χ^2/NDF: 141.1/38

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.234+/-0.277 χ^2/NDF:0.7/1

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.454+/-0.307 χ^2/NDF:0.2/1

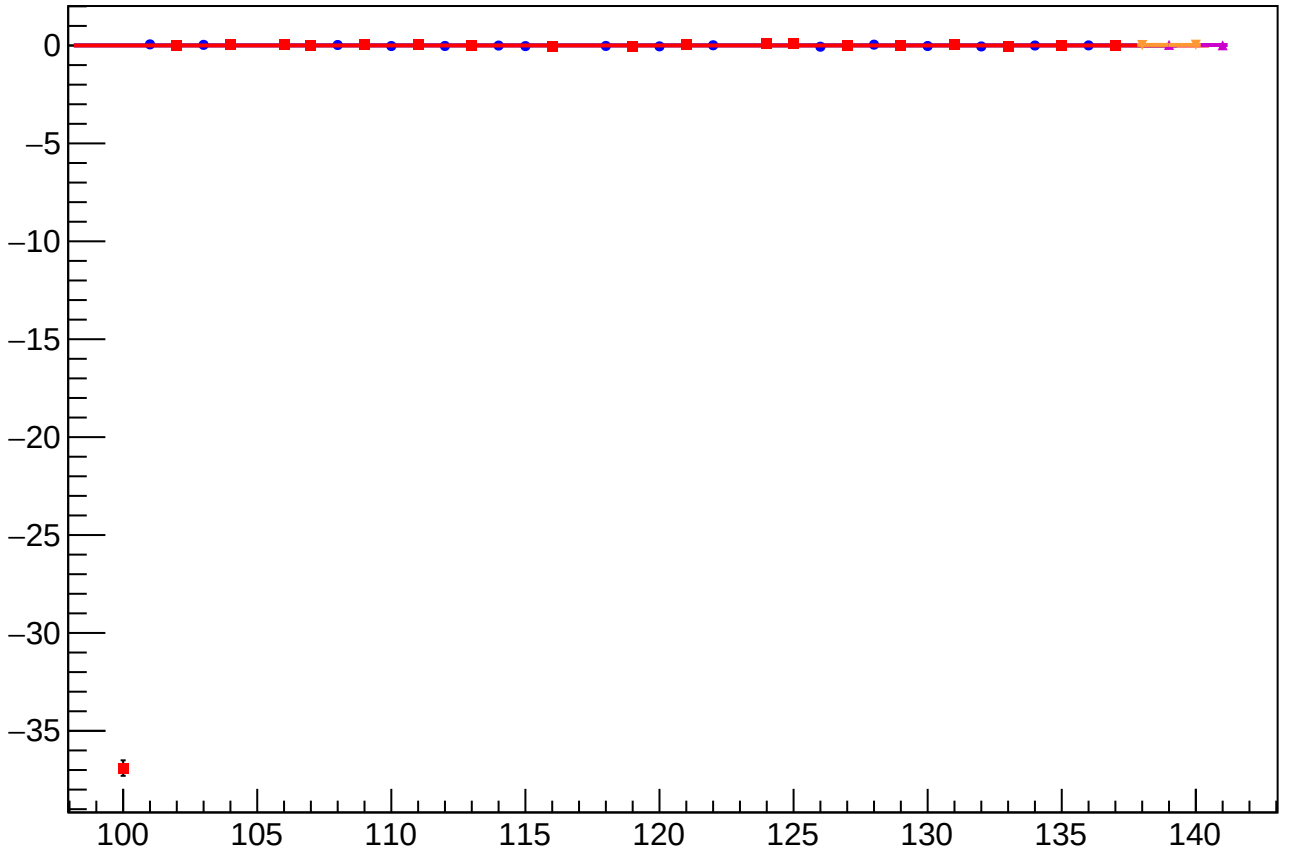
Left: 0.333+/-0.206 χ^2/NDF: 1.2/3

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.193+/-0.118 χ^2/NDF:24.3/17

Out: 0.408+/-0.116 χ^2/NDF:20.9/20

All: 0.302+/-0.083 χ^2/NDF: 46.9/38



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.031+/-0.011 χ^2/NDF:0.5/1

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.025+/-0.010 χ^2/NDF:1.0/1

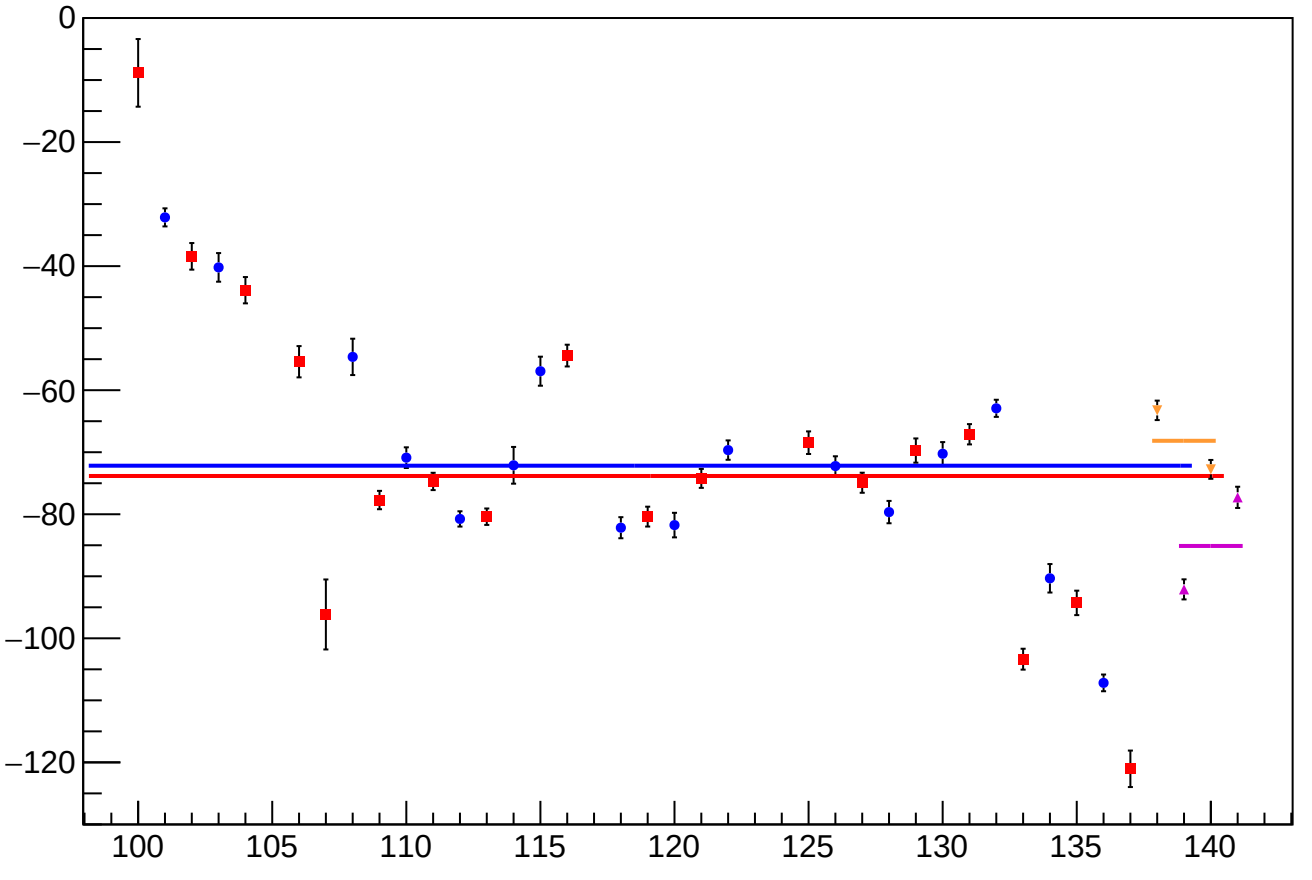
Left: 0.028+/-0.008 χ^2/NDF: 1.6/3

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.013+/-0.006 χ^2/NDF:20.9/17

Out: 0.011+/-0.006 χ^2/NDF:8758.4/20

All: 0.012+/-0.004 χ^2/NDF: 8779.3/38



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -68.158+/-1.092 χ^2/NDF:19.0/1

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -85.111+/-1.176 χ^2/NDF:39.7/1

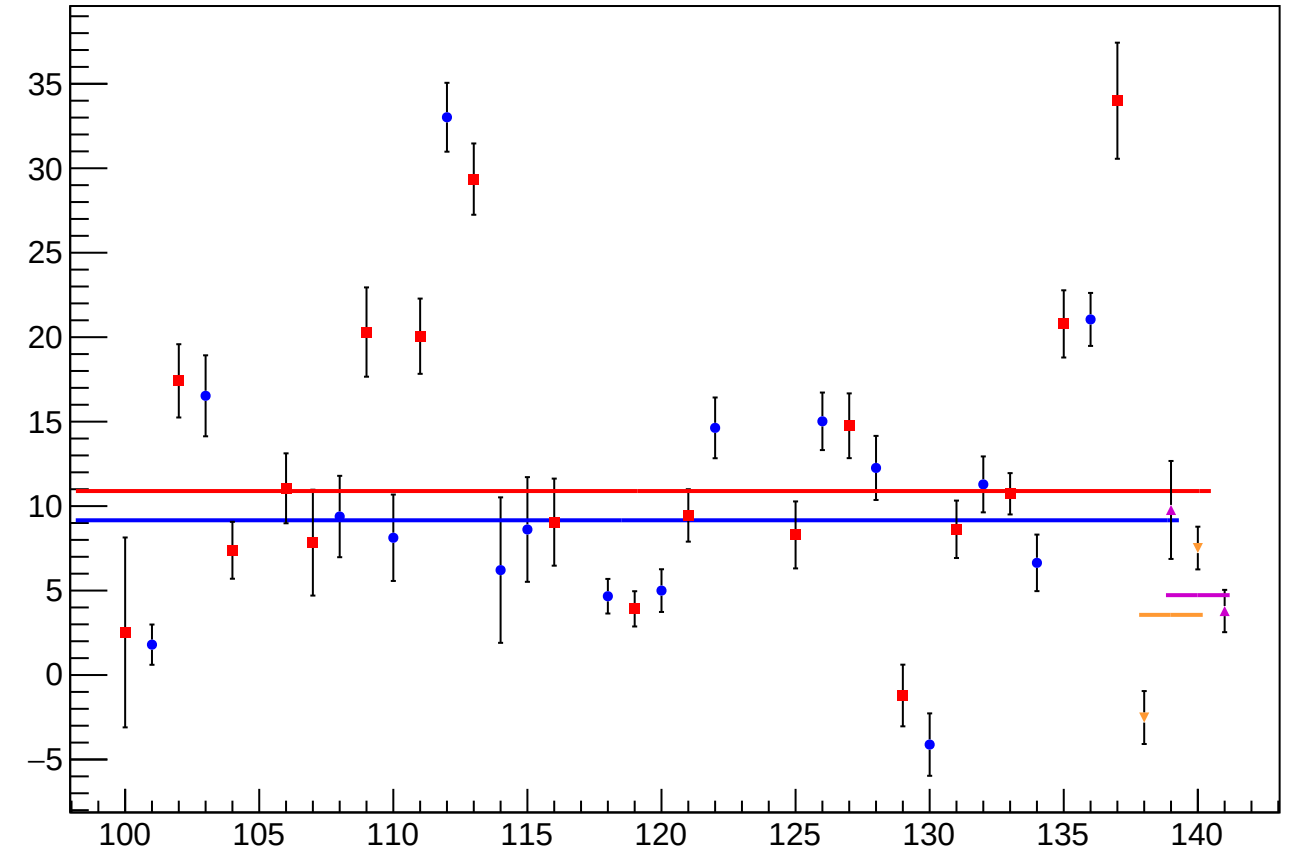
Left: -76.005+/-0.800 χ^2/NDF: 170.3/3

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -73.711+/-0.405 χ^2/NDF:2082.3/17

Out: -73.067+/-0.401 χ^2/NDF:1600.0/19

All: -73.385+/-0.285 χ^2/NDF: 3683.6/37



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 3.562+/-0.984 χ^2/NDF:24.8/1

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 4.728+/-1.149 χ^2/NDF:3.6/1

Left: 4.055+/-0.747 χ^2/NDF: 29.0/3

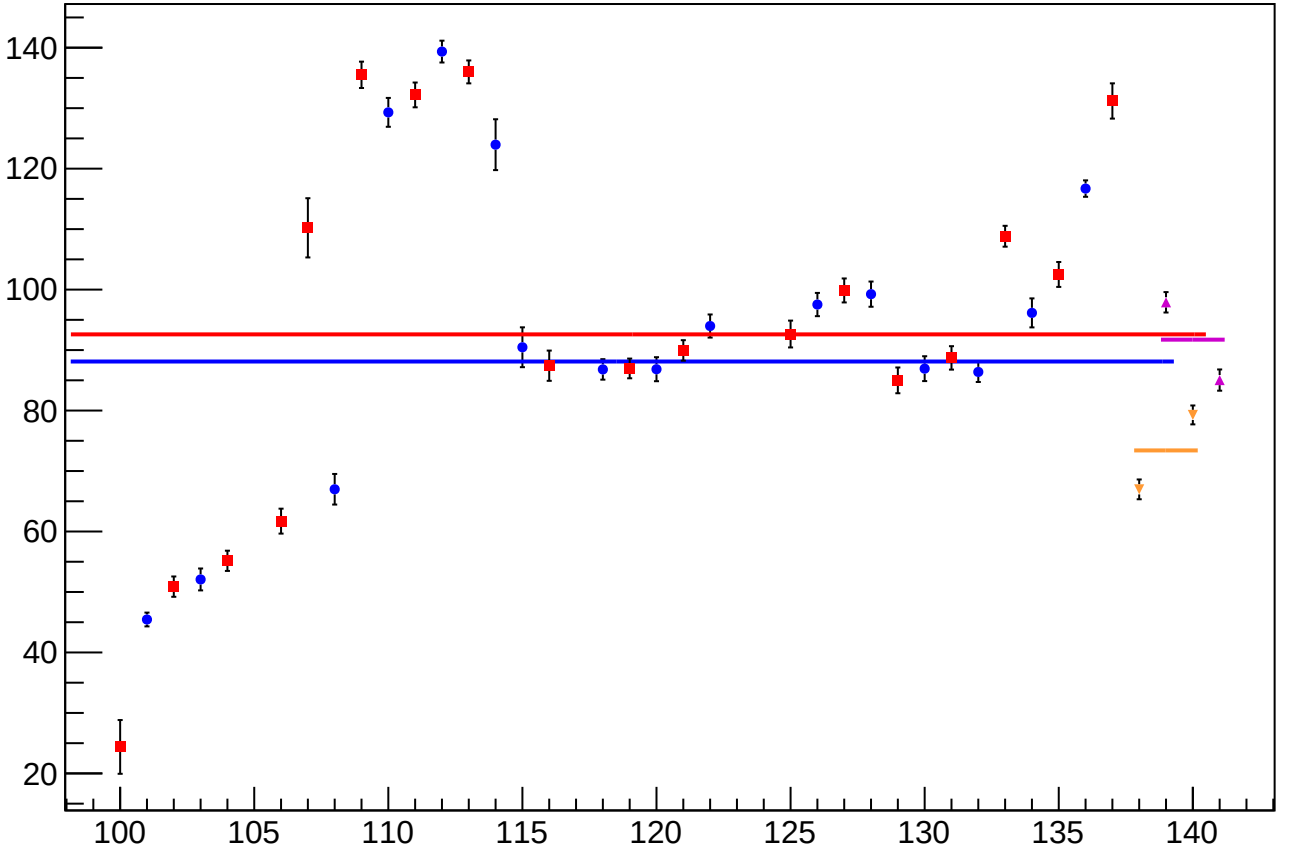
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 8.627+/-0.399 χ^2/NDF:368.8/17

Out: 9.670+/-0.402 χ^2/NDF:361.3/19

All: 9.145+/-0.283 χ^2/NDF: 733.4/37

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 73.407+/-1.131 χ^2/NDF:29.6/1

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 91.723+/-1.217 χ^2/NDF:27.9/1

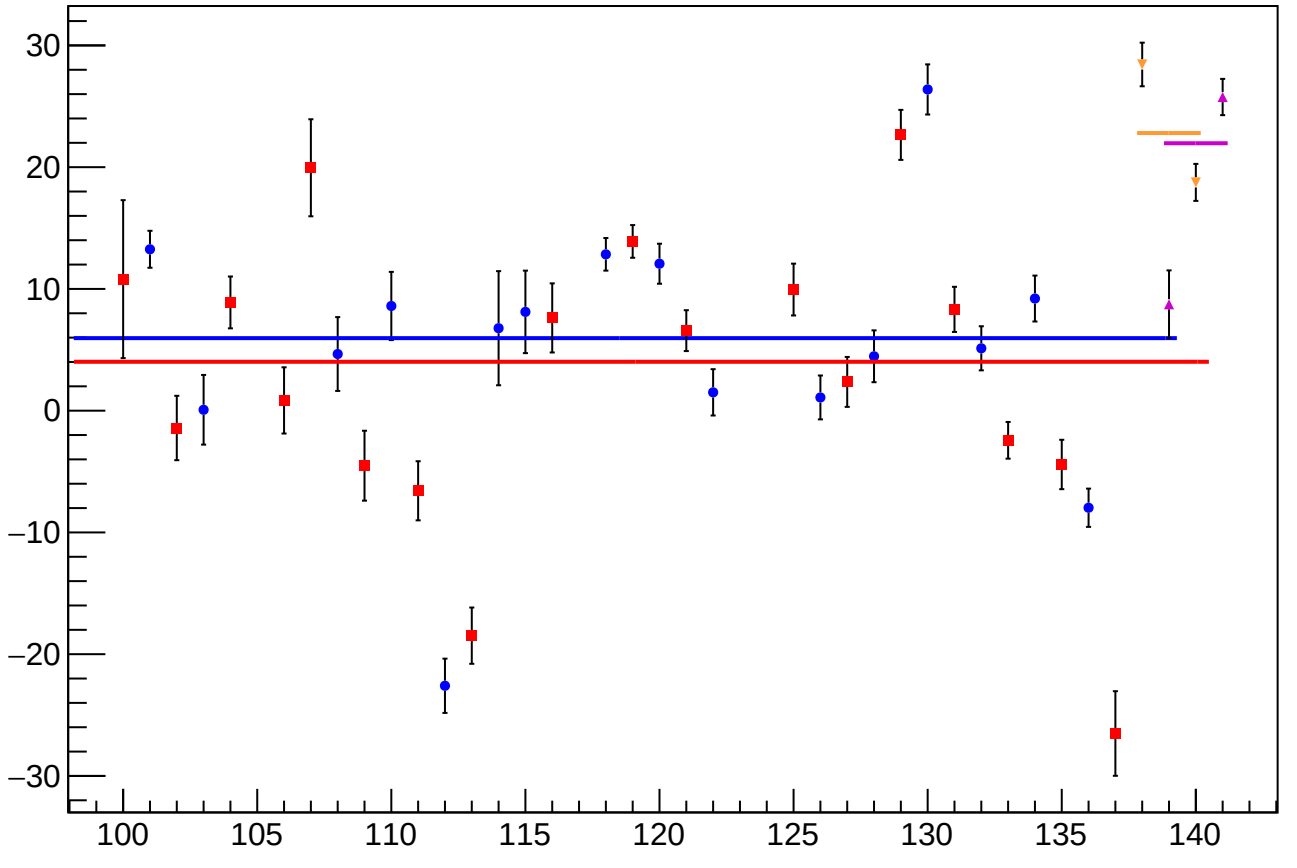
Left: 81.892+/-0.828 χ^2/NDF: 179.0/3

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 88.576+/-0.437 χ^2/NDF:3597.2/17

Out: 89.633+/-0.444 χ^2/NDF:3484.1/19

All: 89.096+/-0.312 χ^2/NDF: 7084.3/37



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 22.803+/-1.158 χ^2/NDF:17.0/1

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 21.965+/-1.313 χ^2/NDF:29.1/1

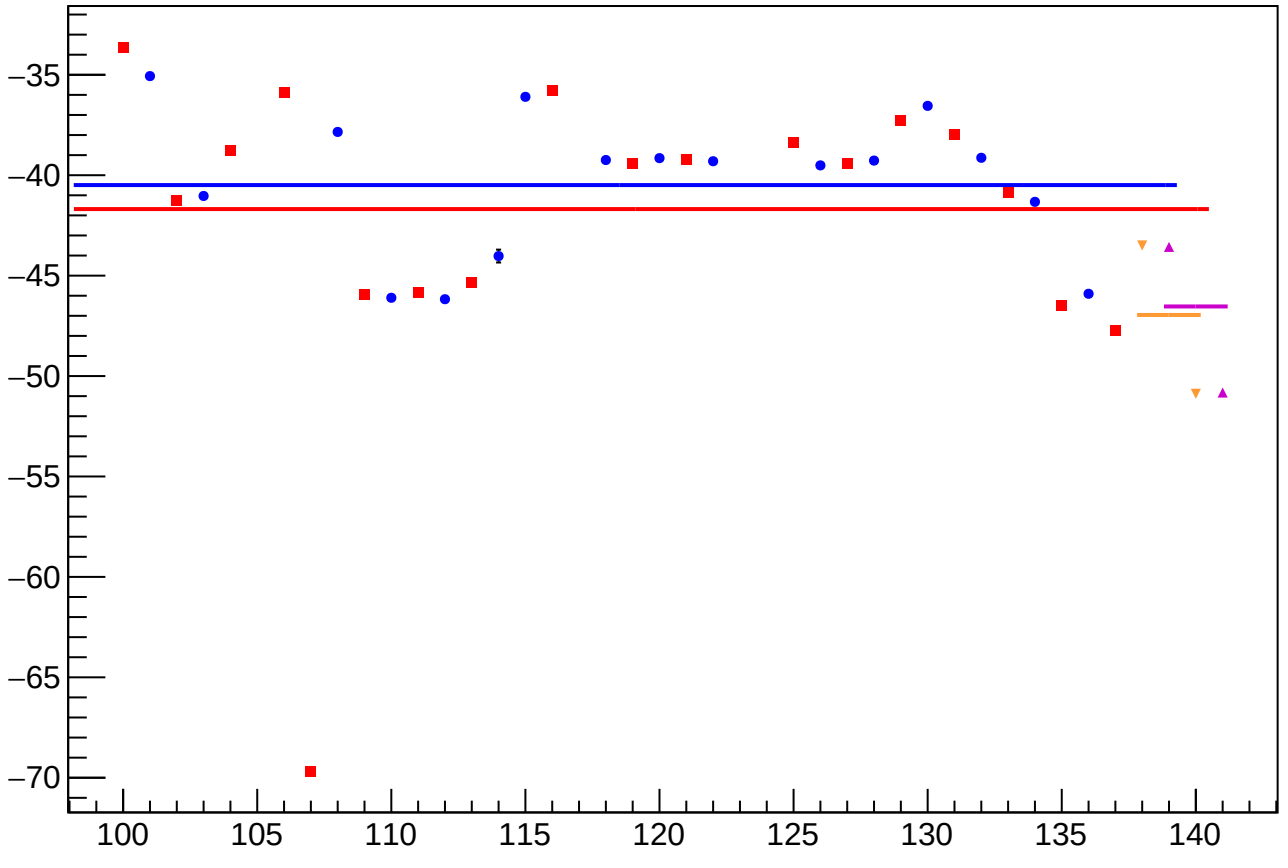
Left: 22.436+/-0.869 χ^2/NDF: 46.4/3

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 7.948+/-0.463 χ^2/NDF:586.1/17

Out: 7.064+/-0.466 χ^2/NDF:655.1/19

All: 7.509+/-0.329 χ^2/NDF: 1243.0/37



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -46.958+/-0.048 χ^2/NDF:5961.6/1

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -46.535+/-0.046 χ^2/NDF:5991.1/1

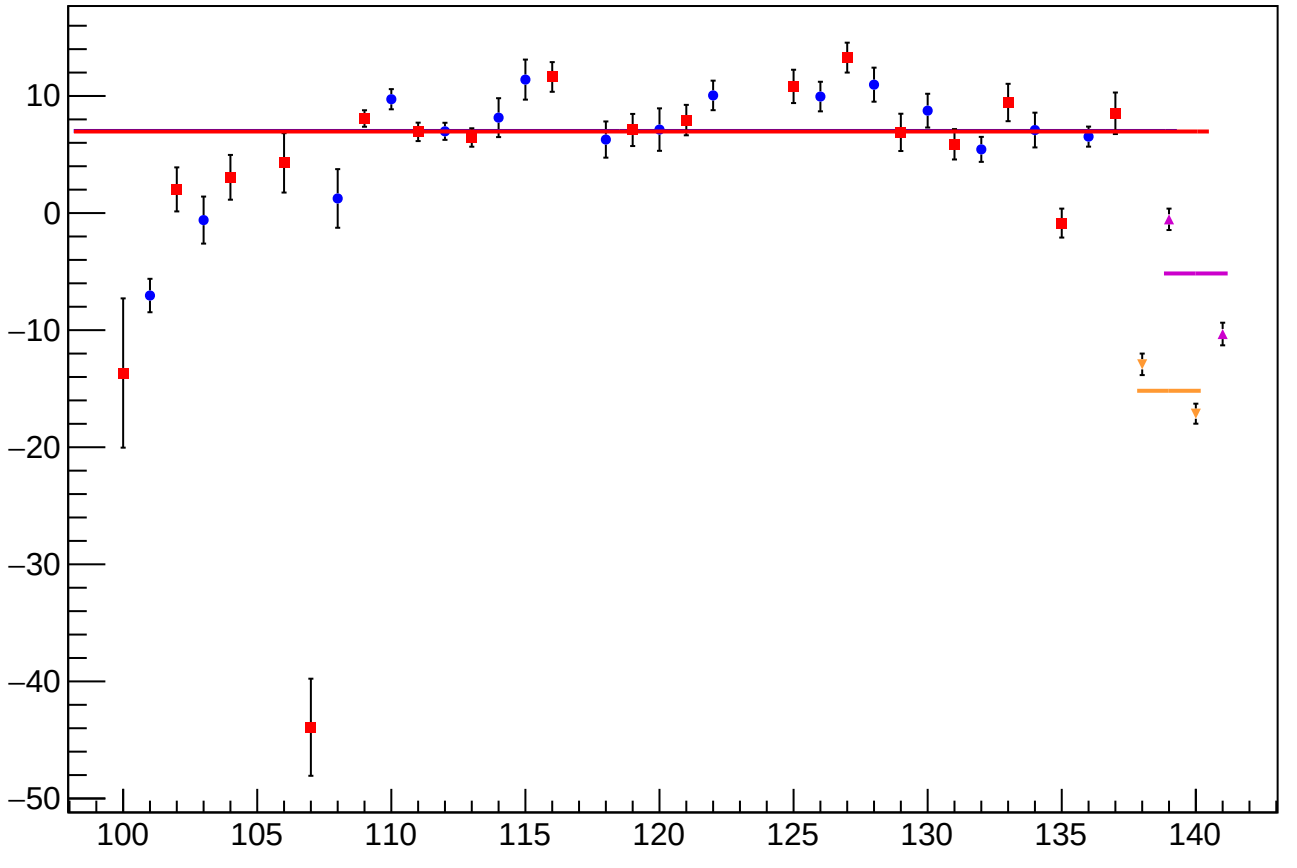
Left: -46.739+/-0.033 χ^2/NDF: 11993.4/3

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -42.148+/-0.024 χ^2/NDF:36612.5/17

Out: -43.125+/-0.025 χ^2/NDF:51668.4/19

All: -42.620+/-0.017 χ^2/NDF: 89073.4/37



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -15.179+/-0.626 χ^2/NDF:11.3/1

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -5.159+/-0.664 χ^2/NDF:54.3/1

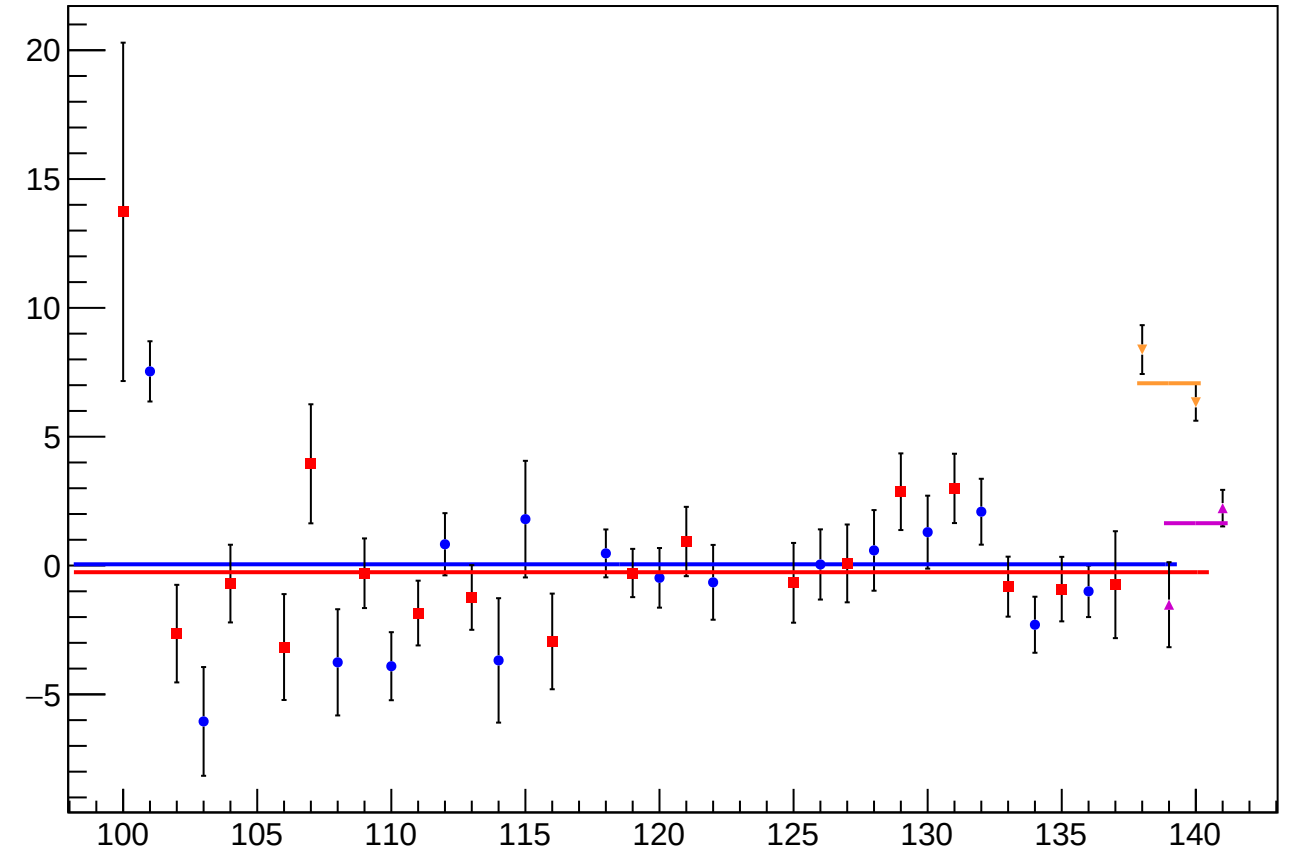
Left: -10.465+/-0.455 χ^2/NDF: 186.2/3

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 4.841+/-0.280 χ^2/NDF:486.7/17

Out: 2.868+/-0.269 χ^2/NDF:1298.3/19

All: 3.814+/-0.194 χ^2/NDF: 1810.8/37



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 7.074+/-0.570 χ^2/NDF:3.0/1

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 1.643+/-0.652 χ^2/NDF:4.4/1

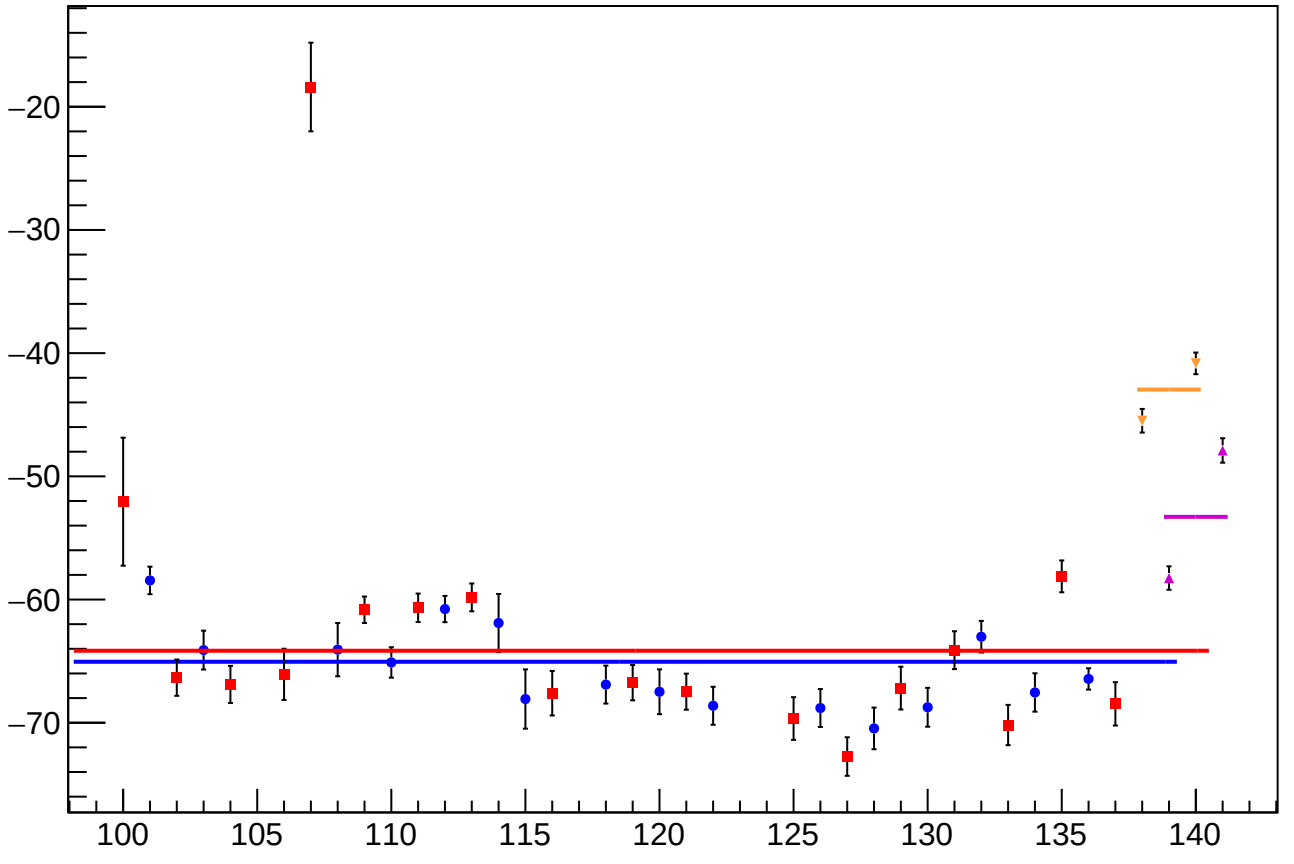
Left: 4.719+/-0.429 χ^2/NDF: 46.7/3

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.376+/-0.295 χ^2/NDF:84.1/17

Out: 1.702+/-0.295 χ^2/NDF:151.7/19

All: 1.040+/-0.209 χ^2/NDF: 245.9/37



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -42.957+/-0.648 χ^2/NDF:12.8/1

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -53.288+/-0.687 χ^2/NDF:56.8/1

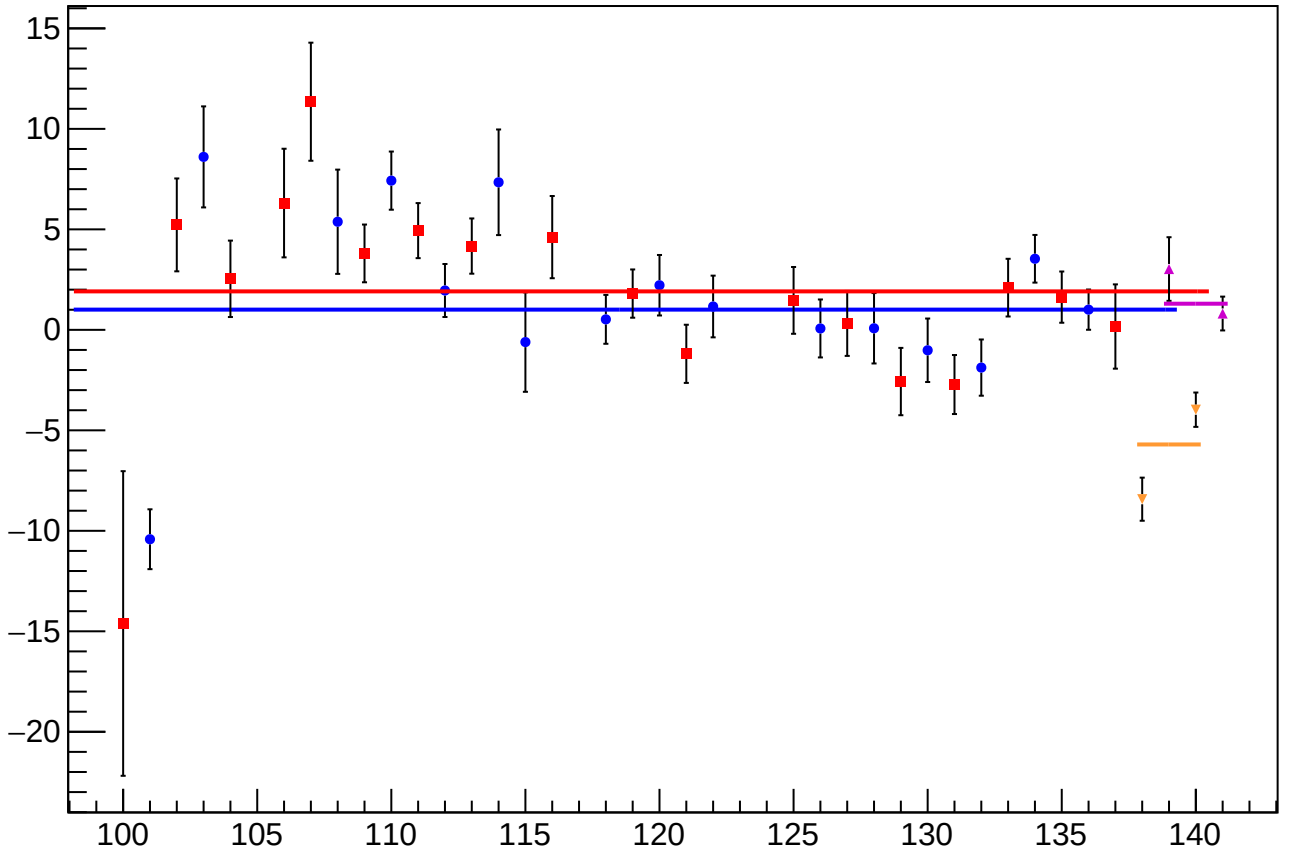
Left: -47.822+/-0.471 χ^2/NDF: 189.3/3

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -62.581+/-0.315 χ^2/NDF:381.4/17

Out: -59.145+/-0.315 χ^2/NDF:1134.1/19

All: -60.865+/-0.223 χ^2/NDF: 1575.1/37



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -5.703+/-0.668 χ^2/NDF:10.5/1

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 1.300+/-0.743 χ^2/NDF:1.5/1

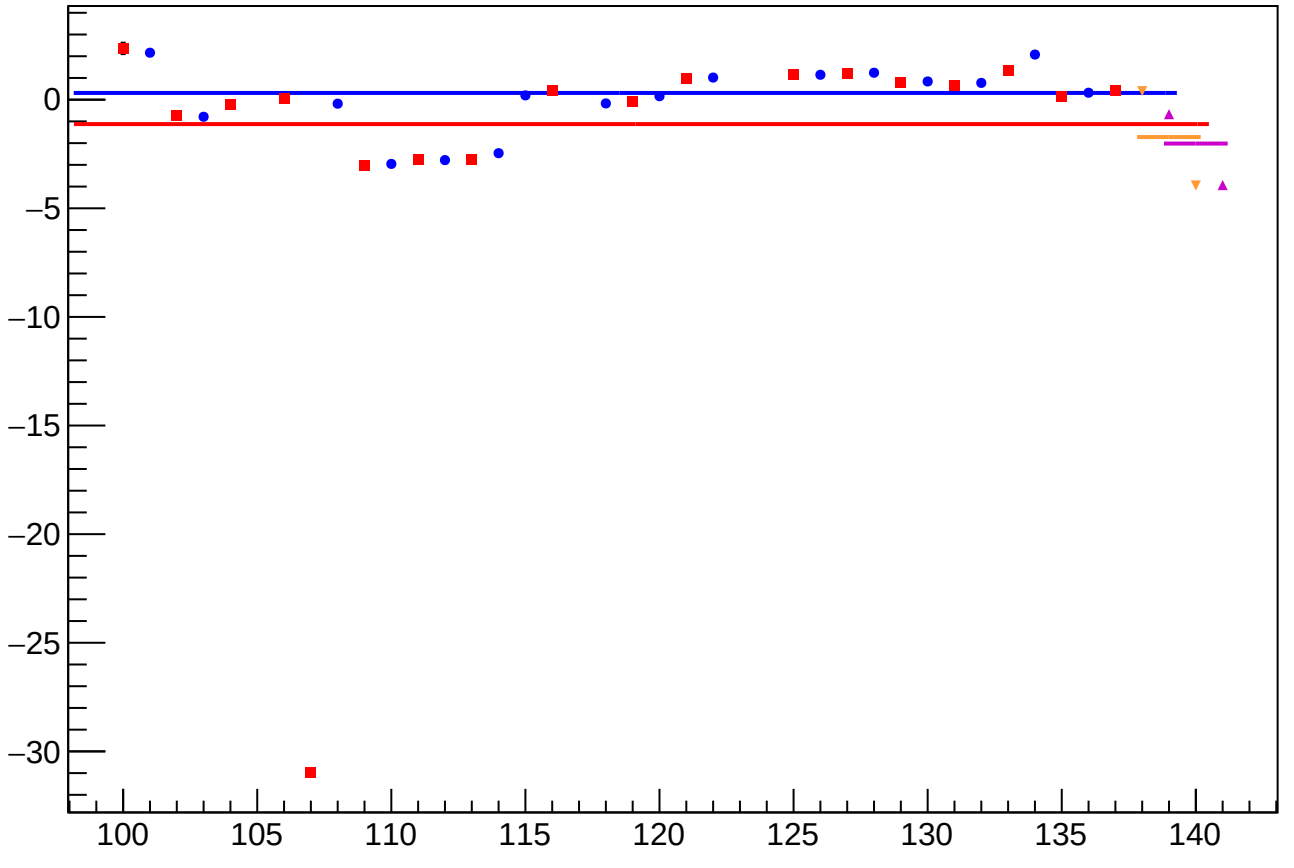
Left: -2.571+/-0.497 χ^2/NDF: 61.2/3

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.066+/-0.335 χ^2/NDF:110.9/17

Out: -0.019+/-0.337 χ^2/NDF:161.9/19

All: 0.526+/-0.238 χ^2/NDF: 278.0/37



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.720+/-0.027 χ^2/NDF:6375.5/1

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -2.020+/-0.026 χ^2/NDF:3820.2/1

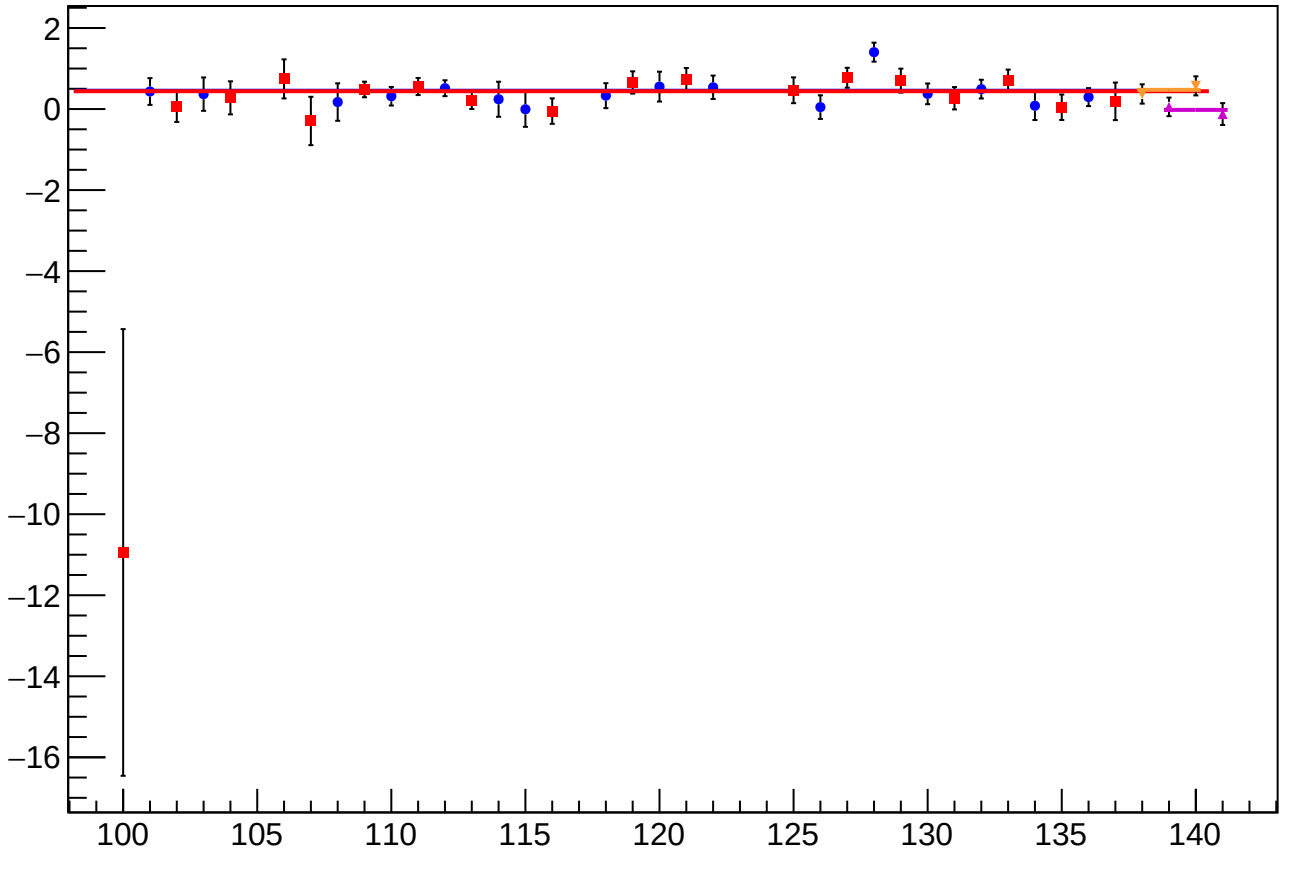
Left: -1.877+/-0.019 χ^2/NDF: 10259.3/3

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

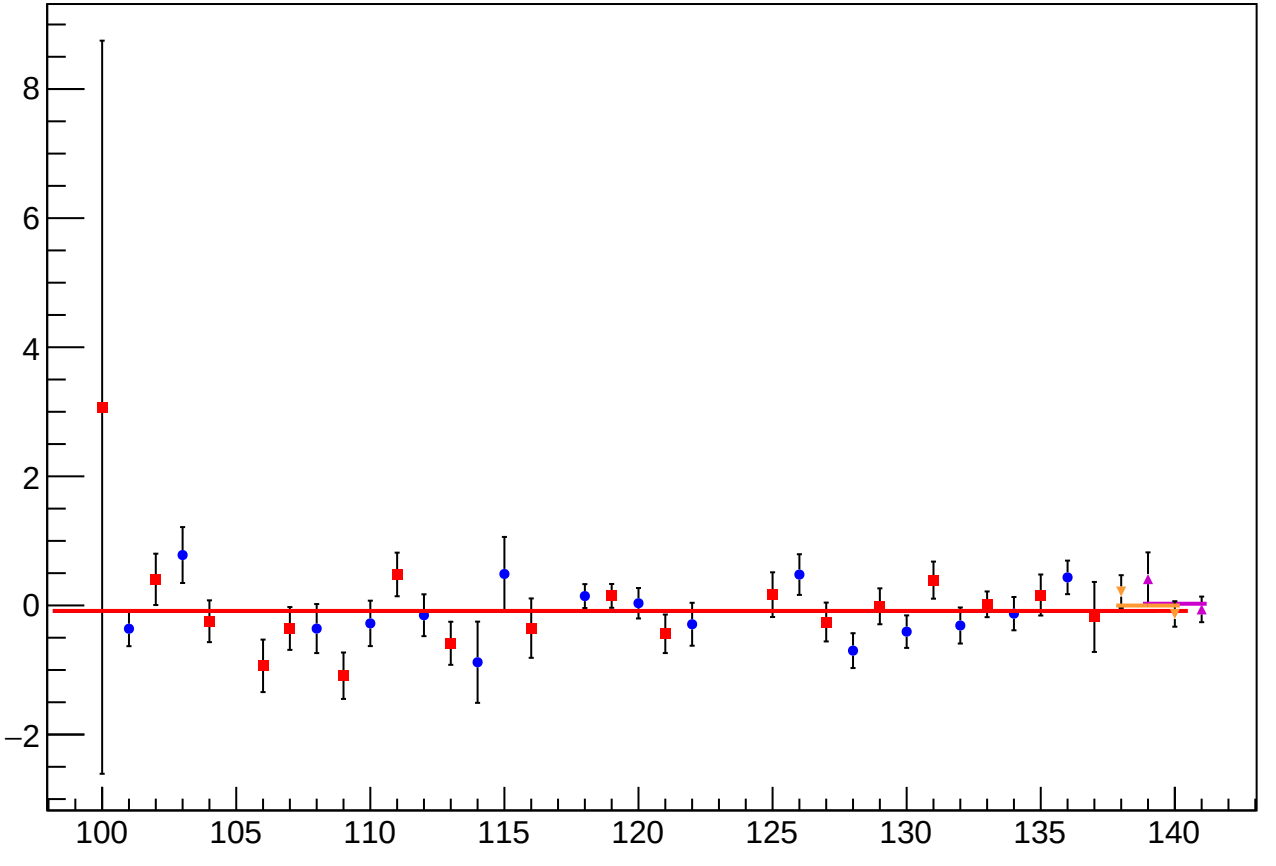
In: -0.612+/-0.016 χ^2/NDF:13513.1/17

Out: -1.363+/-0.017 χ^2/NDF:53012.1/19

All: -0.969+/-0.012 χ^2/NDF: 67524.4/37


reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
−14
−16
100
105
110
115
120
125
130
135
140
Right In: 0.452+/-0.071 χ²/NDF: 22.6/15
Left Out: 0.474+/-0.168 χ²/NDF:0.4/1
Right Out: 0.440+/-0.070 χ²/NDF: 18.5/17
Left In: -0.021+/-0.174 χ²/NDF:0.2/1
Left: 0.237+/-0.121 χ²/NDF: 4.8/3
Right: 0.446+/-0.050 χ²/NDF: 41.2/33
In: 0.384+/-0.066 χ²/NDF:29.2/17
Out: 0.445+/-0.064 χ²/NDF:18.9/19
All: 0.415+/-0.046 χ²/NDF: 48.6/37

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: -0.001+/-0.156 χ^2/NDF:1.2/1

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: 0.026+/-0.179 χ^2/NDF:1.0/1

Left: 0.011+/-0.117 χ^2/NDF: 2.2/3

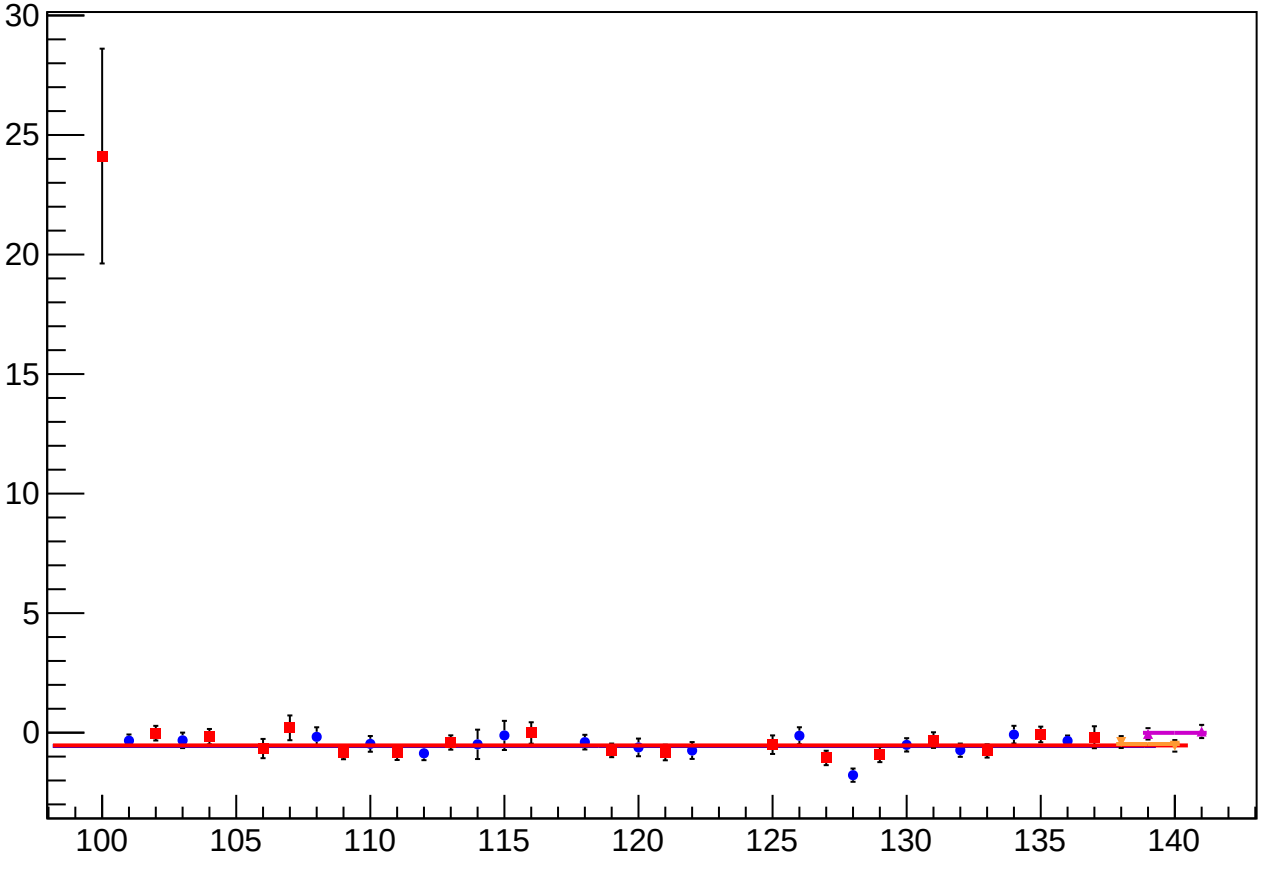
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.070+/-0.068 χ^2/NDF:26.8/17

Out: -0.070+/-0.067 χ^2/NDF:29.3/19

All: -0.070+/-0.047 χ^2/NDF: 56.0/37

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.474+/-0.174 χ^2/NDF:0.2/1

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.007+/-0.181 χ^2/NDF:0.1/1

Left: -0.249+/-0.125 χ^2/NDF: 3.8/3

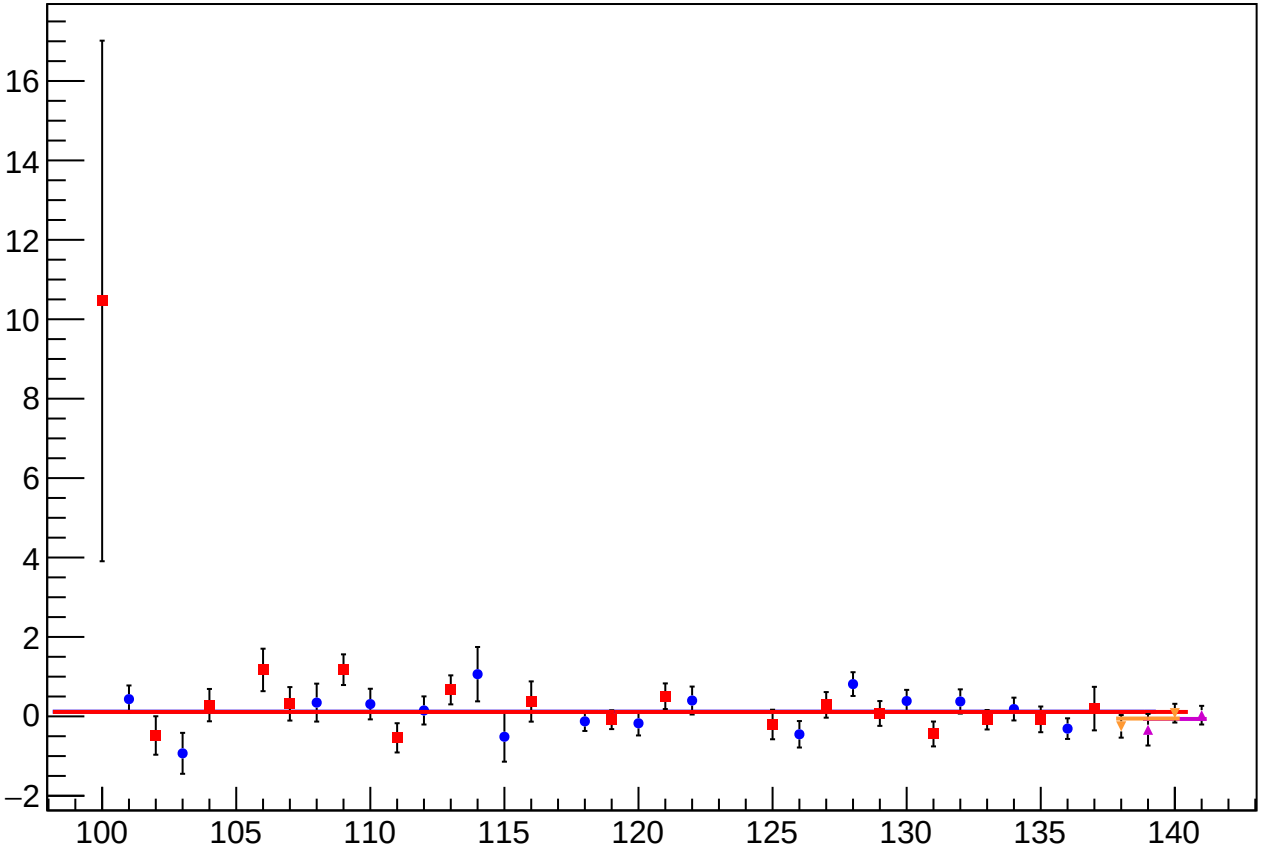
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.468+/-0.073 χ^2/NDF:36.2/17

Out: -0.523+/-0.073 χ^2/NDF:49.5/19

All: -0.496+/-0.052 χ^2/NDF: 86.0/37

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.055+/-0.182 χ^2/NDF:0.8/1

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: -0.065+/-0.202 χ^2/NDF:0.6/1

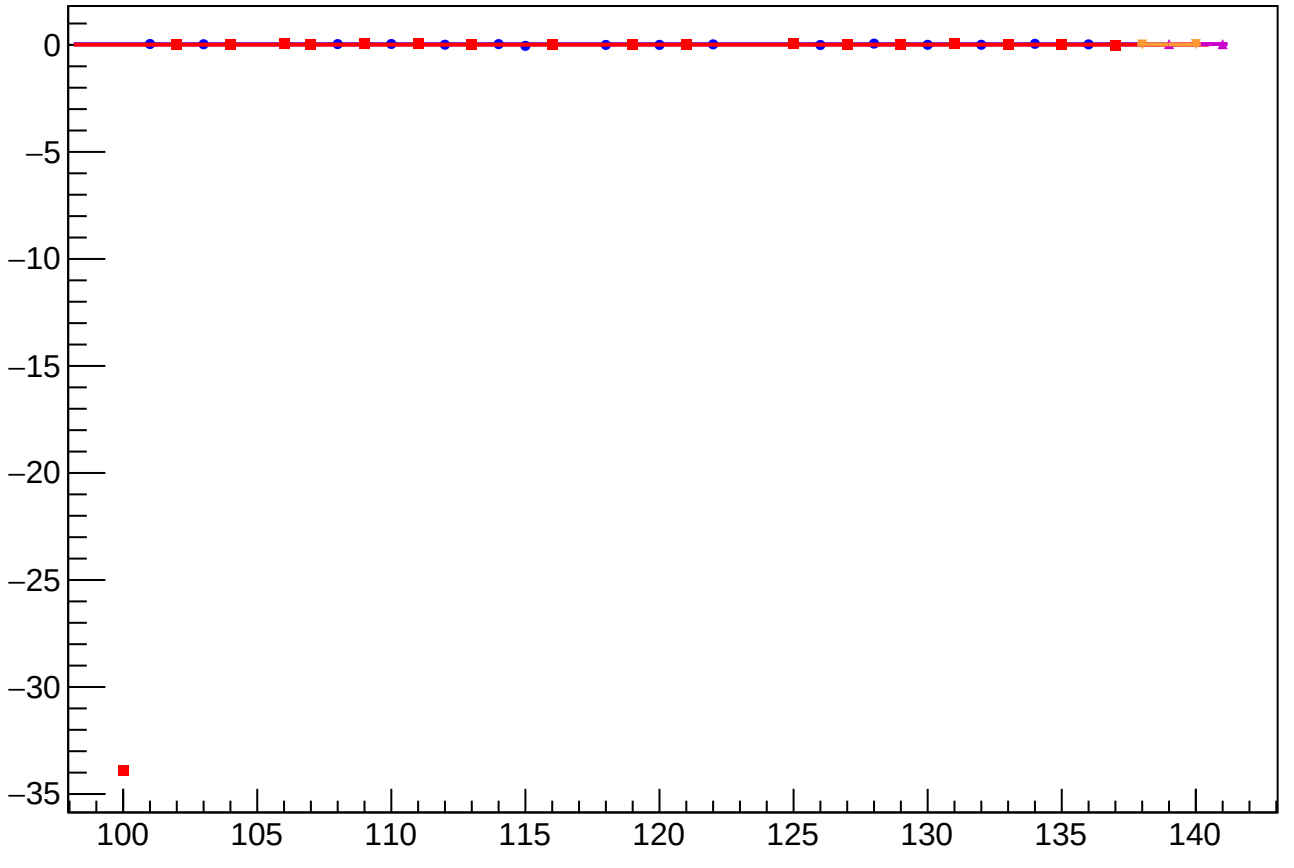
Left: -0.059+/-0.135 χ^2/NDF: 1.4/3

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.091+/-0.077 χ^2/NDF:25.0/17

Out: 0.082+/-0.077 χ^2/NDF:30.5/19

All: 0.086+/-0.055 χ^2/NDF: 55.5/37



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.024+/-0.007 χ^2/NDF:1.9/1

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.040+/-0.007 χ^2/NDF:0.2/1

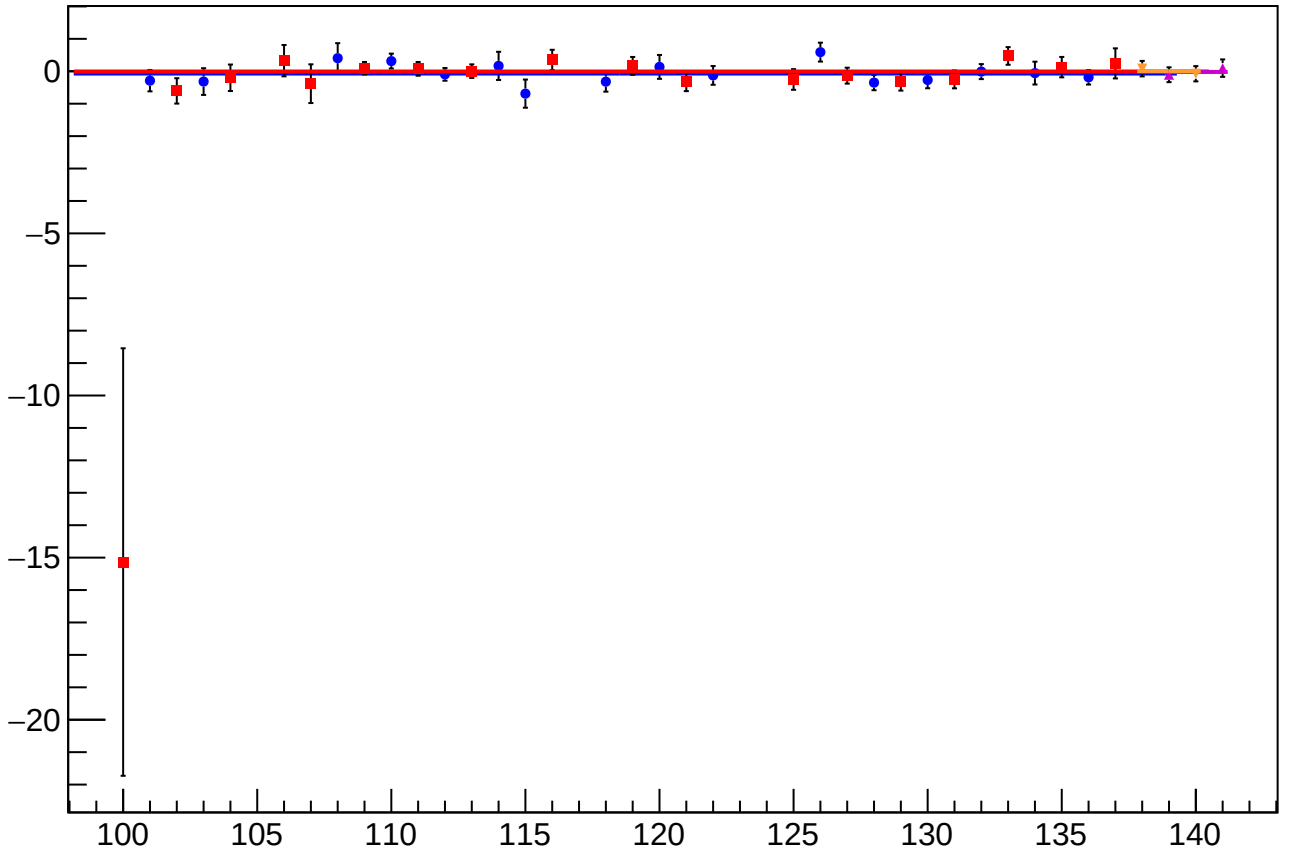
Left: 0.033+/-0.005 χ^2/NDF: 4.7/3

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.032+/-0.004 χ^2/NDF:17.2/17

Out: 0.016+/-0.004 χ^2/NDF:22266.1/19

All: 0.024+/-0.003 χ^2/NDF: 22291.3/37



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.001+/-0.168 χ^2/NDF:0.2/1

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: -0.021+/-0.174 χ^2/NDF:0.3/1

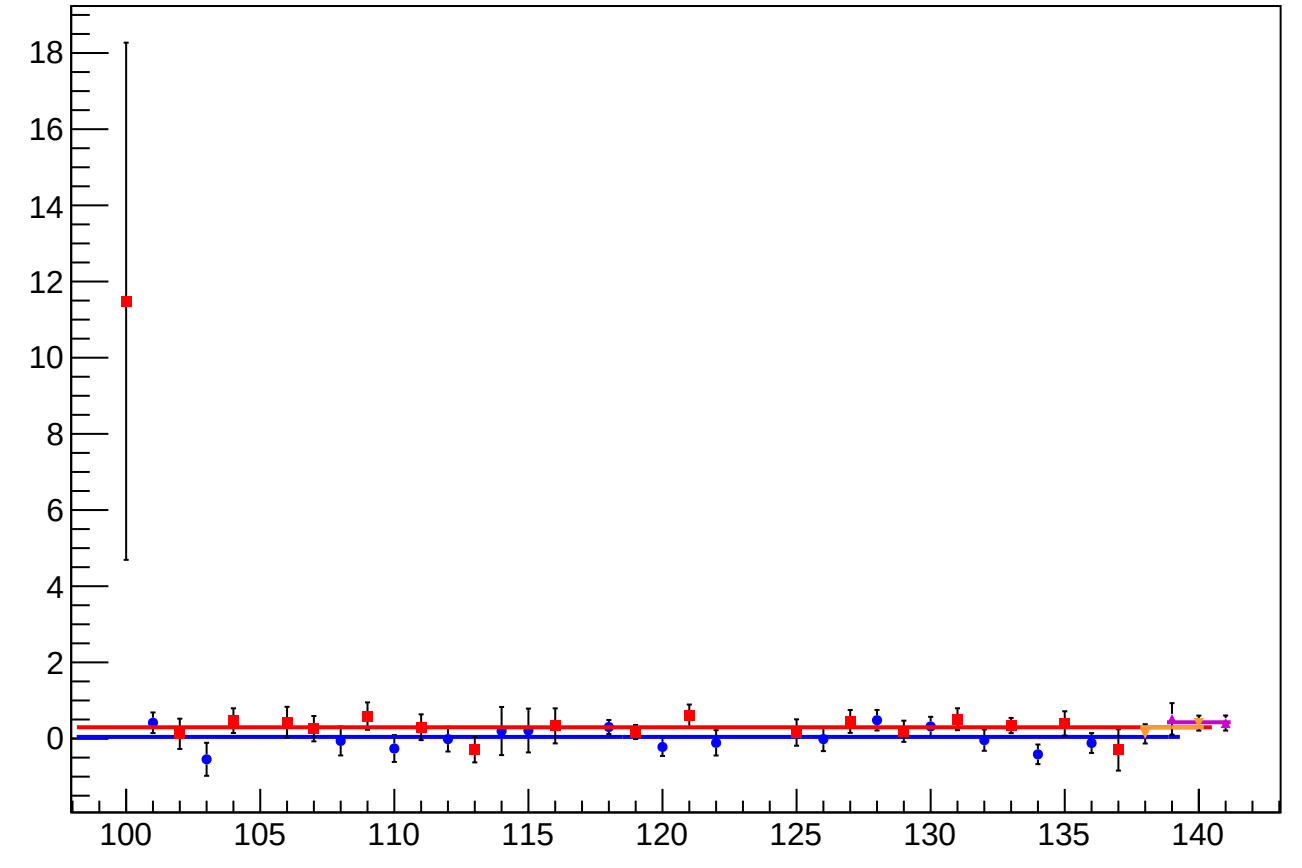
Left: -0.010+/-0.121 χ^2/NDF: 0.6/3

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: -0.063+/-0.066 χ^2/NDF:15.9/17

Out: -0.006+/-0.064 χ^2/NDF:18.4/19

All: -0.034+/-0.046 χ^2/NDF: 34.7/37



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.299+/-0.156 χ^2/NDF:0.8/1

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.427+/-0.179 χ^2/NDF:0.1/1

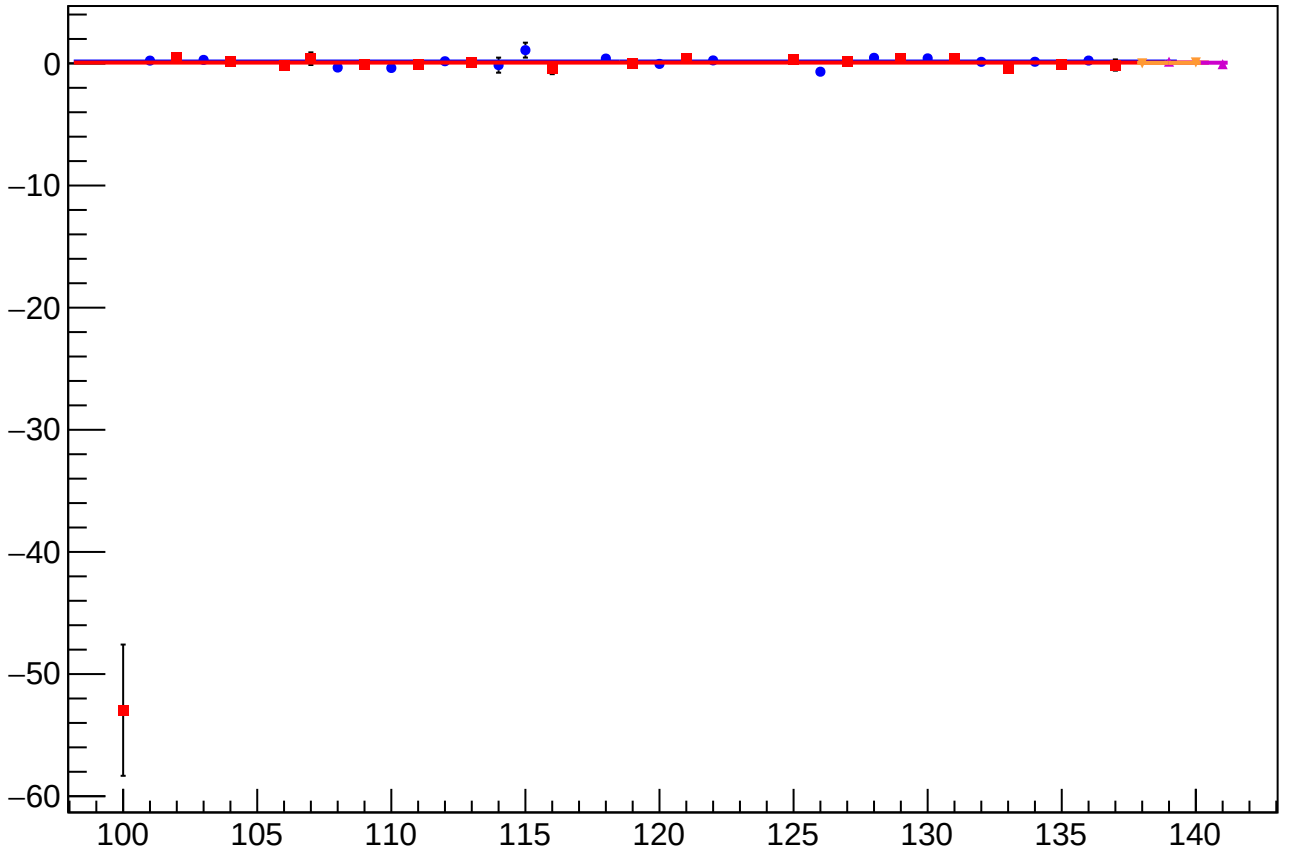
Left: 0.354+/-0.117 χ^2/NDF: 1.1/3

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.099+/-0.068 χ^2/NDF:19.7/17

Out: 0.297+/-0.067 χ^2/NDF:11.8/19

All: 0.199+/-0.047 χ^2/NDF: 35.9/37



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: 0.041+/-0.174 χ^2/NDF:0.0/1

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: 0.055+/-0.180 χ^2/NDF:0.3/1

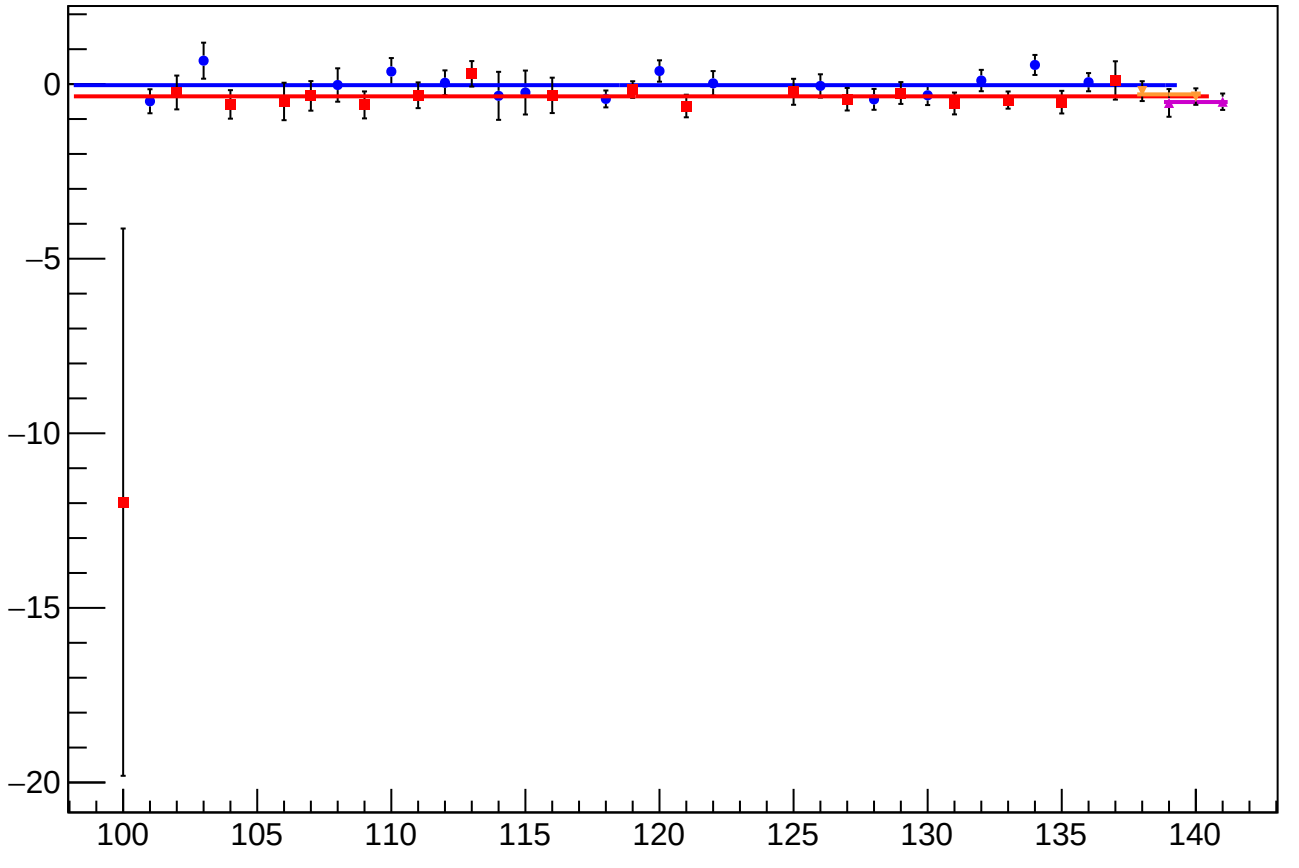
Left: 0.048+/-0.125 χ^2/NDF: 0.4/3

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.137+/-0.073 χ^2/NDF:16.2/17

Out: 0.061+/-0.073 χ^2/NDF:109.4/19

All: 0.099+/-0.052 χ^2/NDF: 126.1/37



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.294+/-0.182 χ^2/NDF:0.2/1

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.513+/-0.202 χ^2/NDF:0.0/1

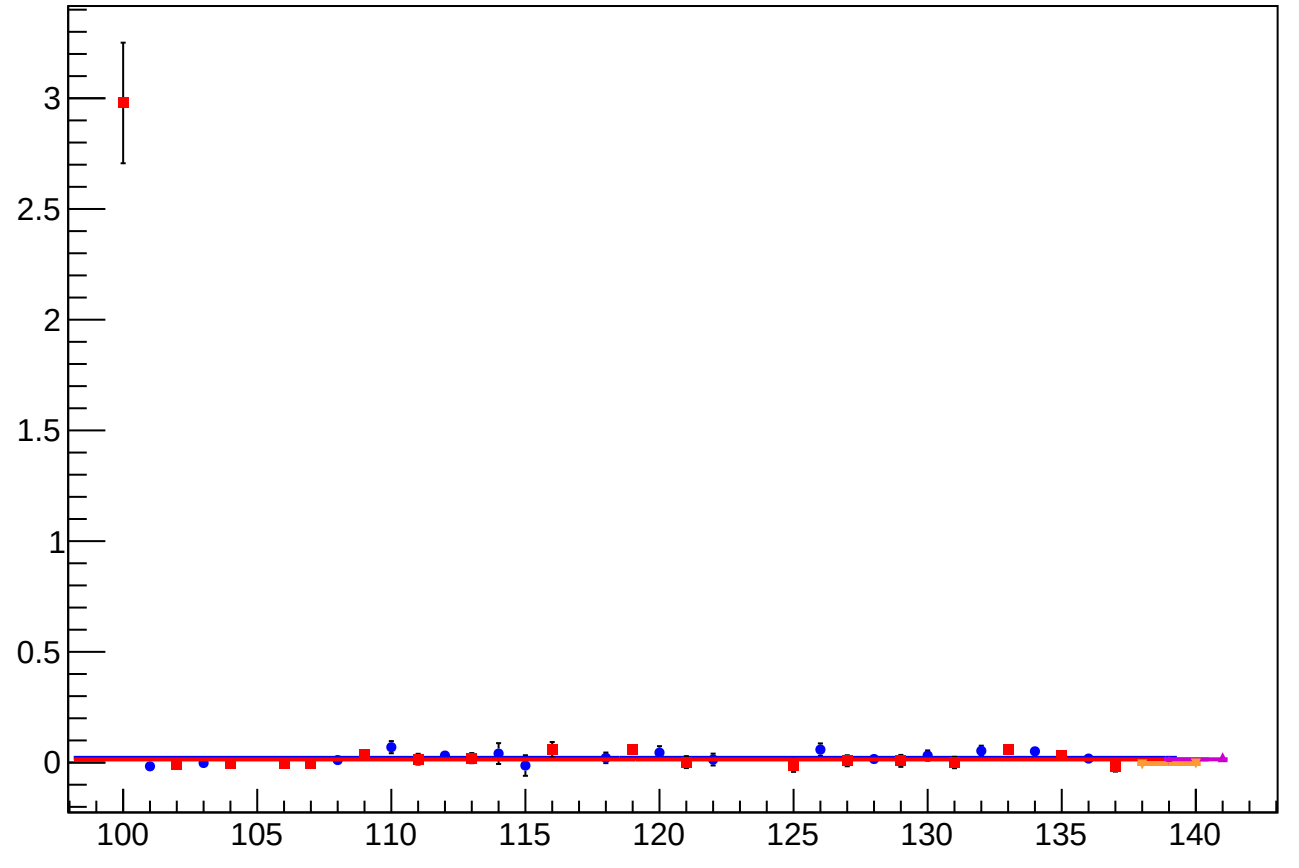
Left: -0.392+/-0.135 χ^2/NDF: 0.8/3

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.101+/-0.077 χ^2/NDF:21.7/17

Out: -0.340+/-0.077 χ^2/NDF:9.7/19

All: -0.222+/-0.055 χ^2/NDF: 36.1/37



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.006+/-0.007 χ^2/NDF:0.1/1

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.015+/-0.007 χ^2/NDF:1.2/1

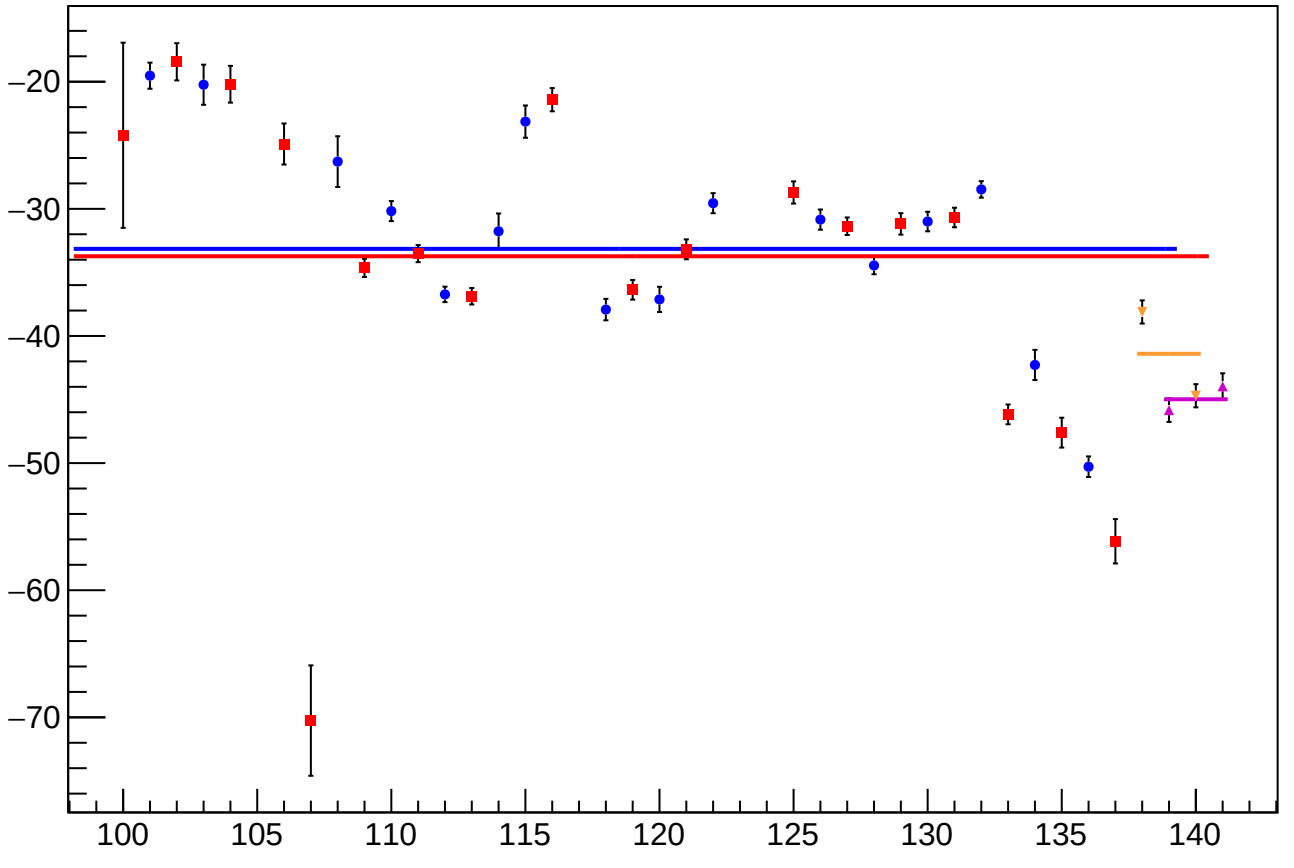
Left: 0.005+/-0.005 χ^2/NDF: 5.8/3

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.019+/-0.004 χ^2/NDF:24.3/17

Out: 0.008+/-0.004 χ^2/NDF:146.5/19

All: 0.014+/-0.003 χ^2/NDF: 174.9/37



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -41.401+/-0.644 χ^2/NDF:26.2/1

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -44.978+/-0.688 χ^2/NDF:1.8/1

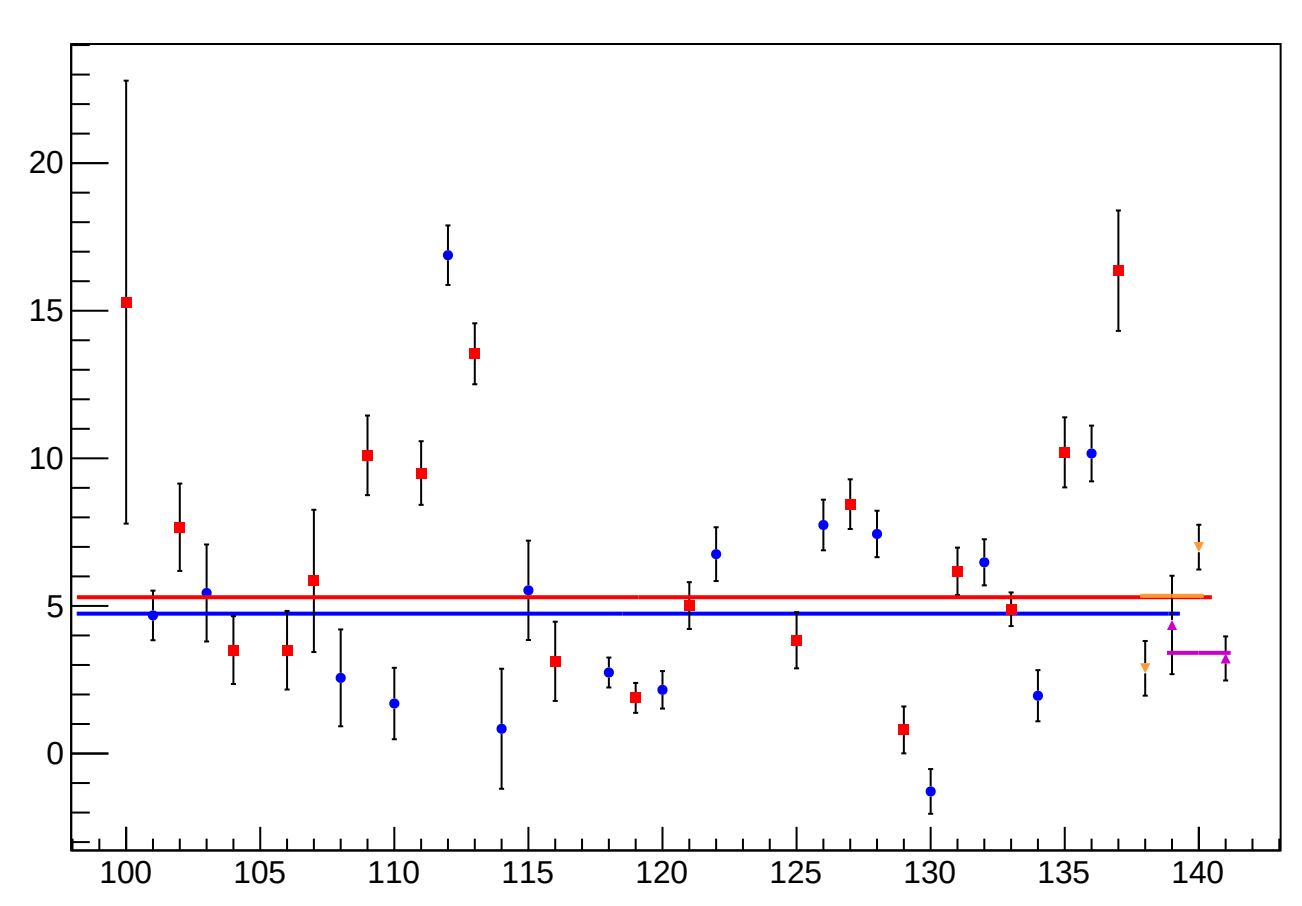
Left: -43.072+/-0.470 χ^2/NDF: 42.5/3

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -34.228+/-0.208 χ^2/NDF:1284.6/17

Out: -34.499+/-0.204 χ^2/NDF:1302.4/19

All: -34.366+/-0.145 χ^2/NDF: 2587.9/37



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 5.343+/-0.587 χ^2/NDF:11.8/1

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 3.411+/-0.681 χ^2/NDF:0.4/1

Left: 4.520+/-0.445 χ^2/NDF: 16.8/3

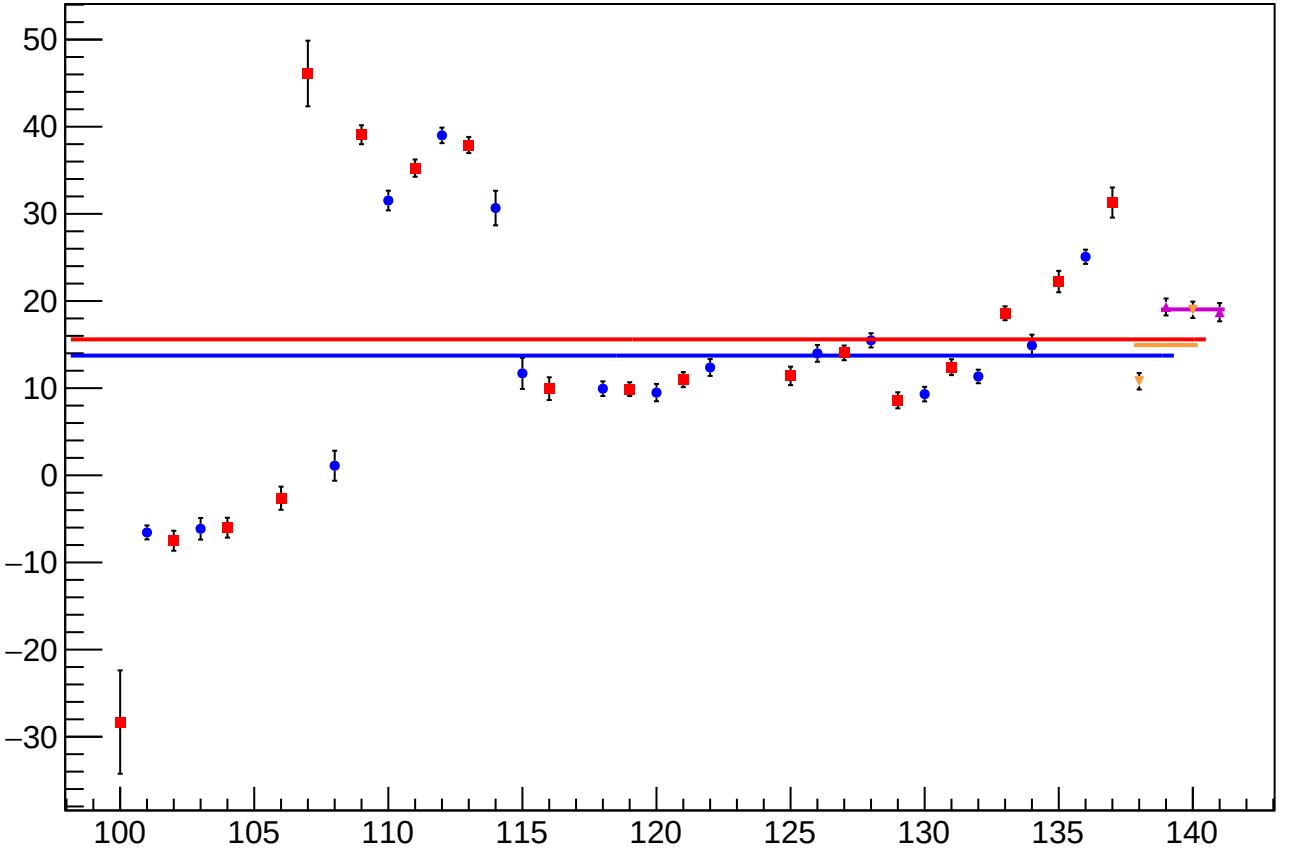
Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 4.614+/-0.209 χ^2/NDF:333.4/17

Out: 5.301+/-0.209 χ^2/NDF:256.8/19

All: 4.958+/-0.148 χ^2/NDF: 595.6/37

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 14.947+/-0.667 χ^2/NDF:37.8/1

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 19.038+/-0.712 χ^2/NDF:0.2/1

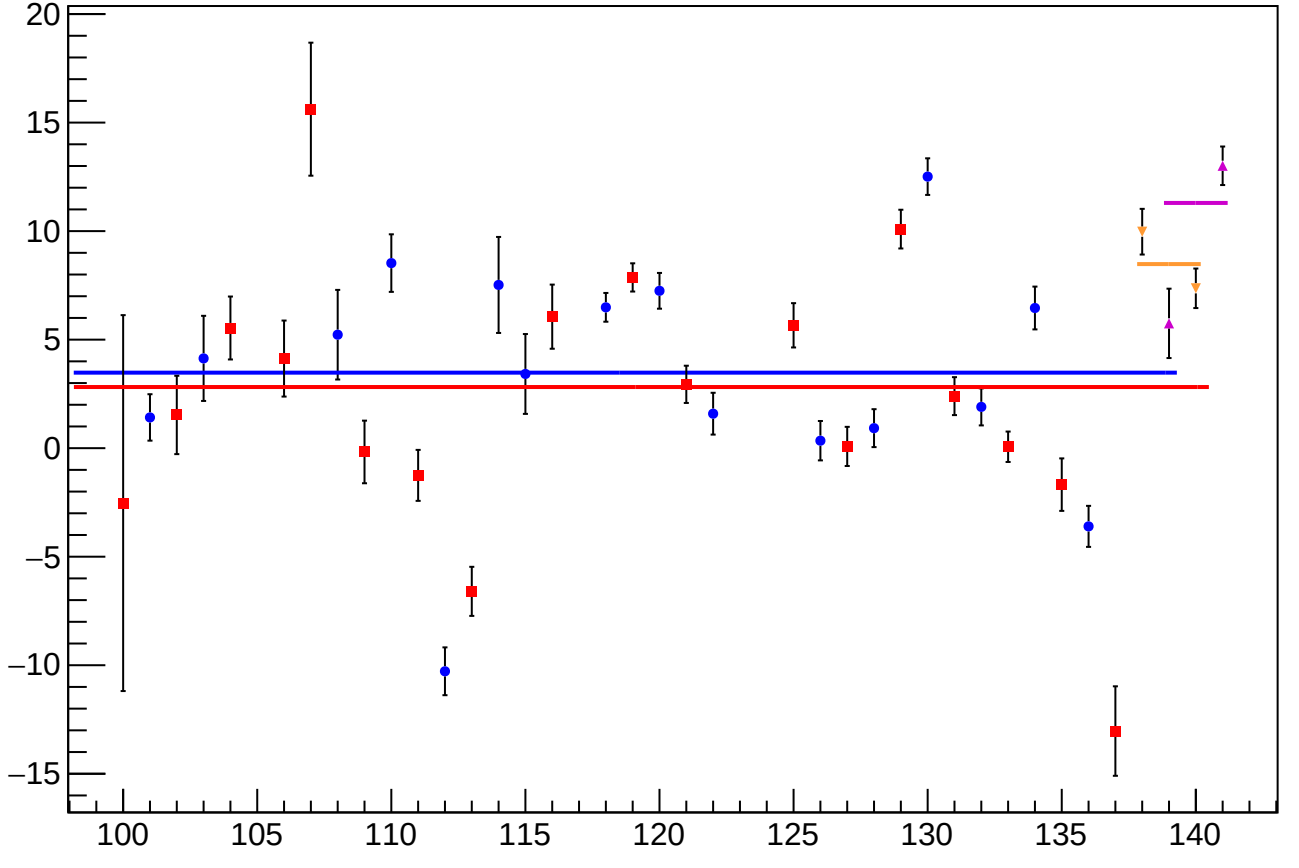
Left: 16.859+/-0.487 χ^2/NDF: 55.5/3

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 14.306+/-0.233 χ^2/NDF:2399.5/17

Out: 15.519+/-0.234 χ^2/NDF:2864.9/19

All: 14.910+/-0.165 χ^2/NDF: 5277.9/37



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.481+/-0.688 χ^2/NDF:3.5/1

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 11.298+/-0.776 χ^2/NDF:15.8/1

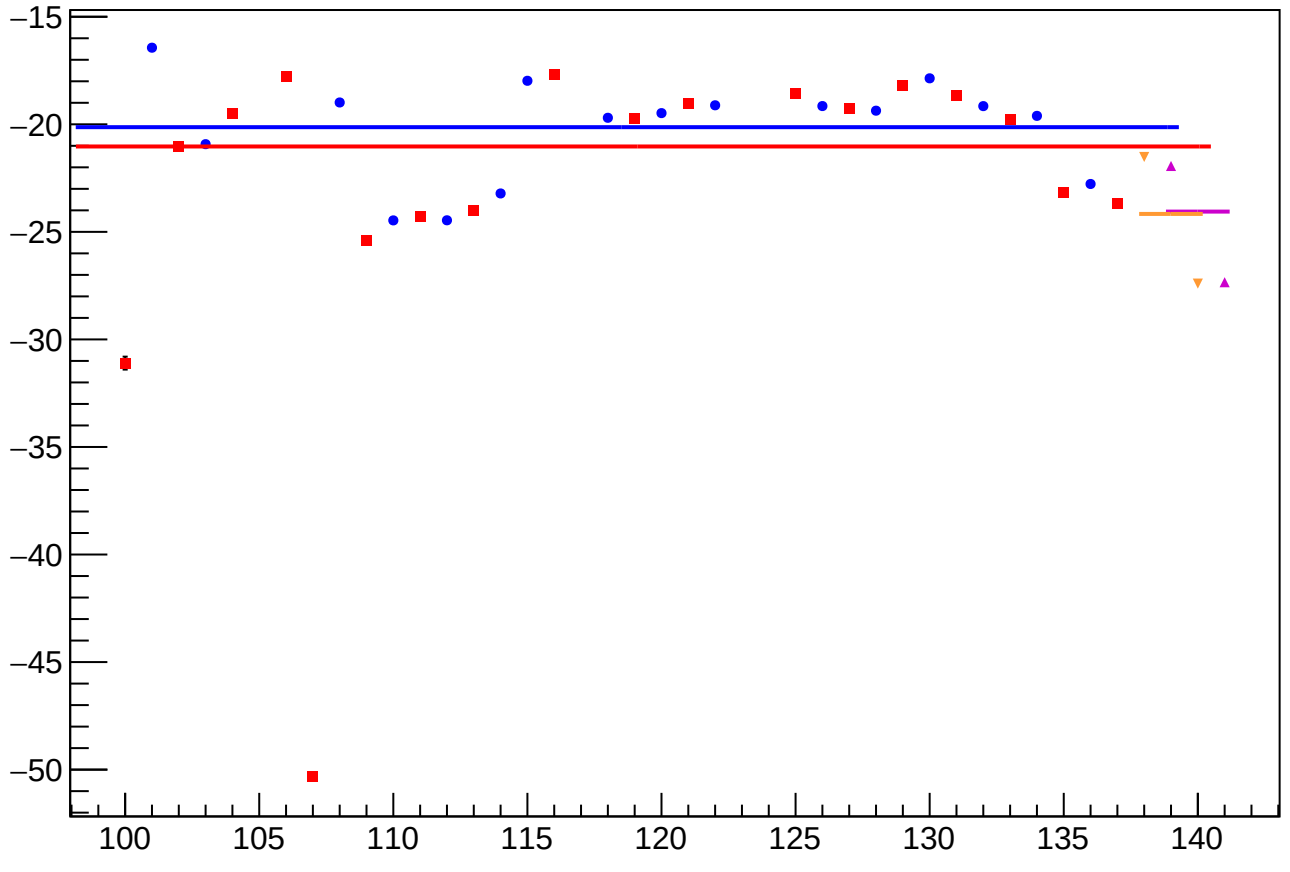
Left: 9.722+/-0.515 χ^2/NDF: 26.7/3

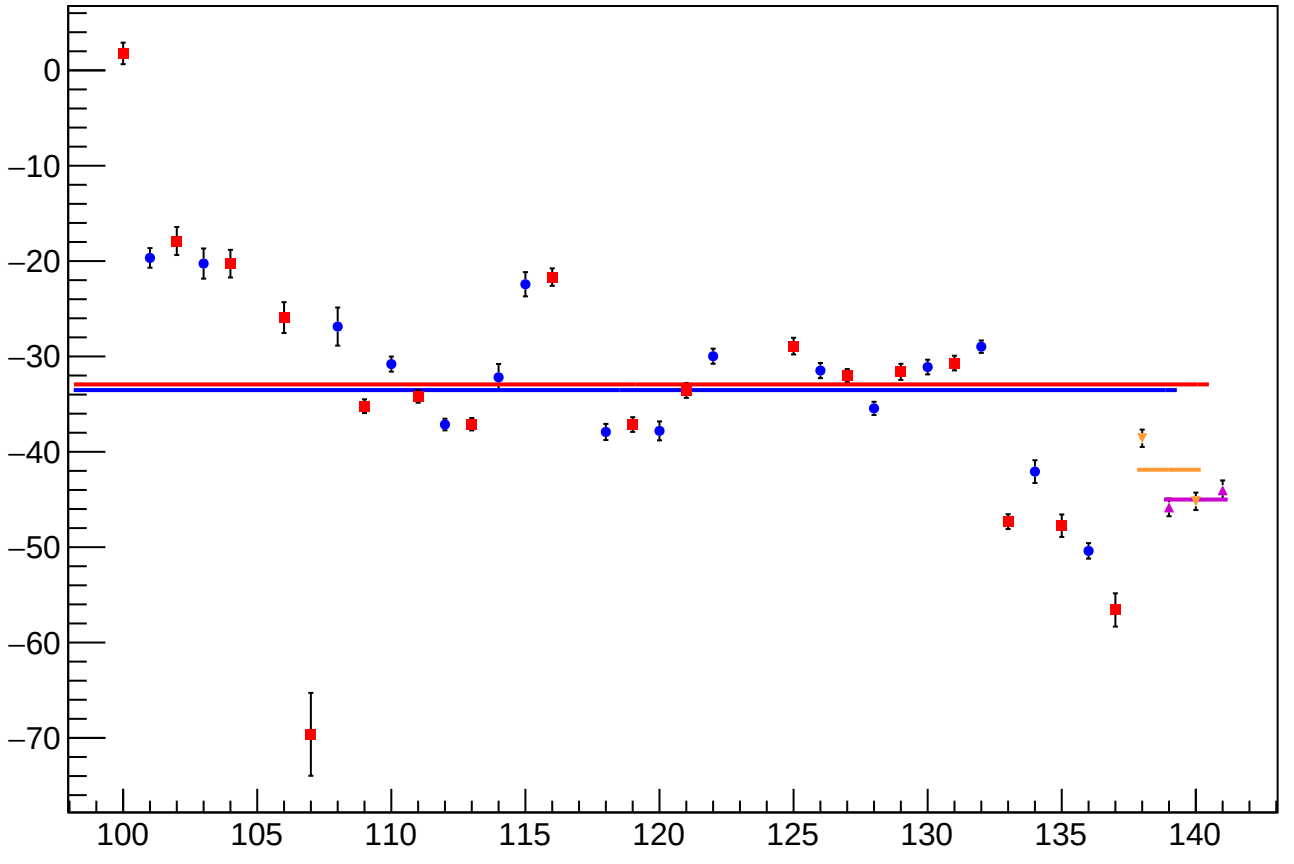
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 4.234+/-0.241 χ^2/NDF:535.2/17

Out: 3.511+/-0.241 χ^2/NDF:408.2/19

All: 3.872+/-0.170 χ^2/NDF: 947.8/37


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
105
110
115
120
125
130
135
140
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -24.166+/-0.028 χ²/NDF:10945.8/1
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -24.058+/-0.027 χ²/NDF:9666.8/1
Left: -24.110+/-0.019 χ²/NDF: 20620.5/3
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -21.163+/-0.014 χ²/NDF:45264.4/17
Out: -21.836+/-0.014 χ²/NDF:77794.3/19
All: -21.489+/-0.010 χ²/NDF: 124216.0/37



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -41.880+/-0.645 χ^2/NDF:26.3/1

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -45.004+/-0.689 χ^2/NDF:1.7/1

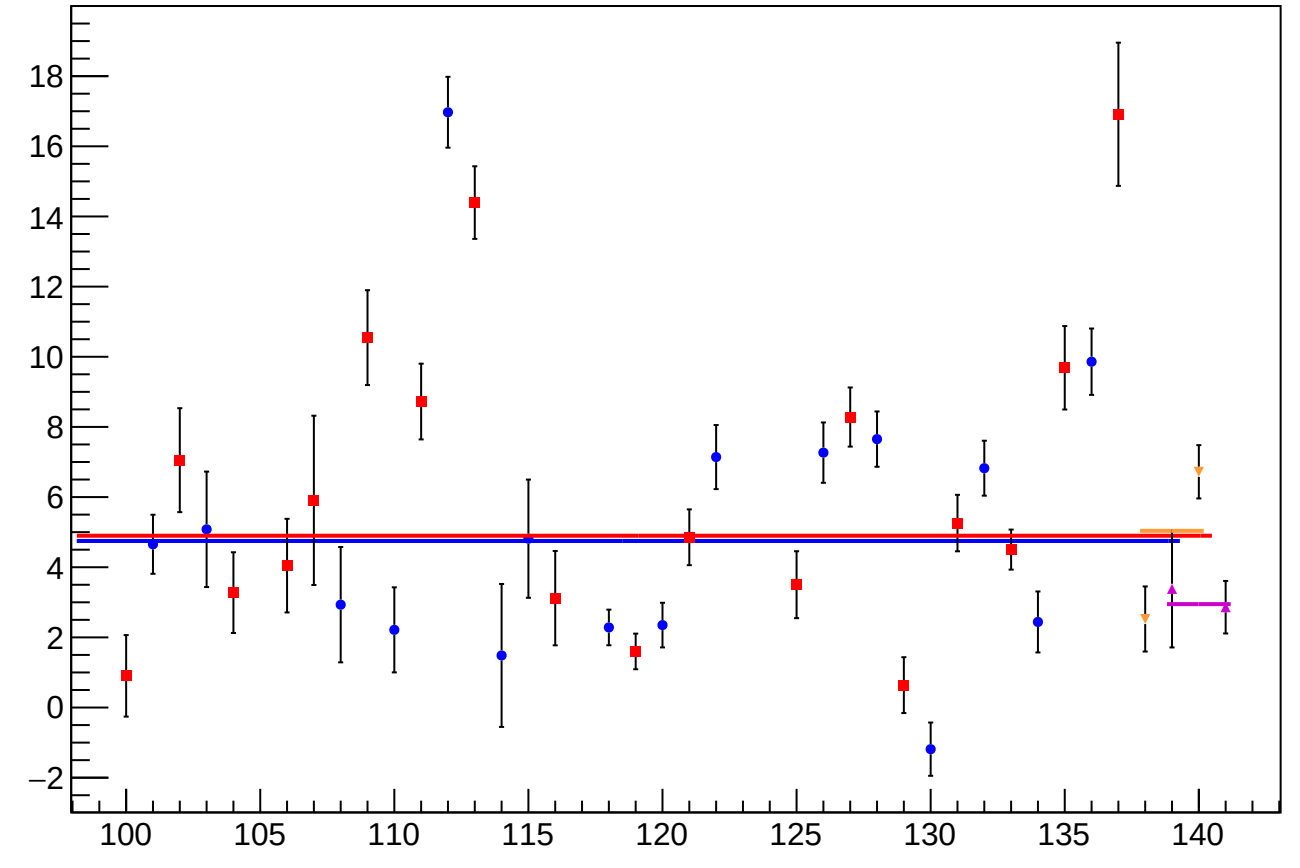
Left: -43.338+/-0.471 χ^2/NDF: 38.9/3

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -34.575+/-0.208 χ^2/NDF:1262.2/17

Out: -33.801+/-0.201 χ^2/NDF:2370.2/19

All: -34.174+/-0.145 χ^2/NDF: 3639.5/37



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 5.037+/-0.588 χ^2/NDF:12.2/1

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 2.948+/-0.683 χ^2/NDF:0.1/1

Left: 4.149+/-0.446 χ^2/NDF: 17.7/3

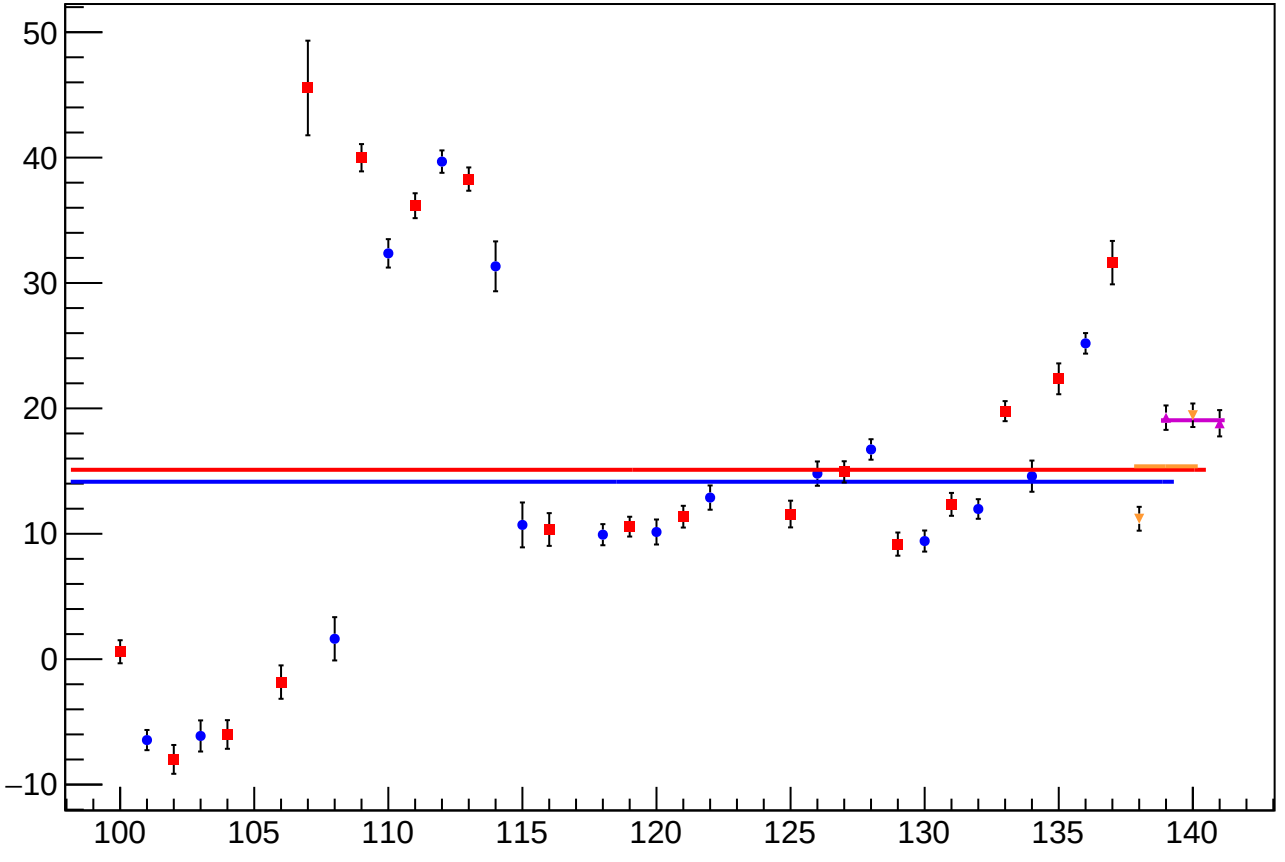
Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 4.580+/-0.209 χ^2/NDF:332.1/17

Out: 4.915+/-0.206 χ^2/NDF:285.4/19

All: 4.750+/-0.147 χ^2/NDF: 618.7/37

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 15.380+/-0.668 χ^2/NDF:38.2/1

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 19.054+/-0.714 χ^2/NDF:0.1/1

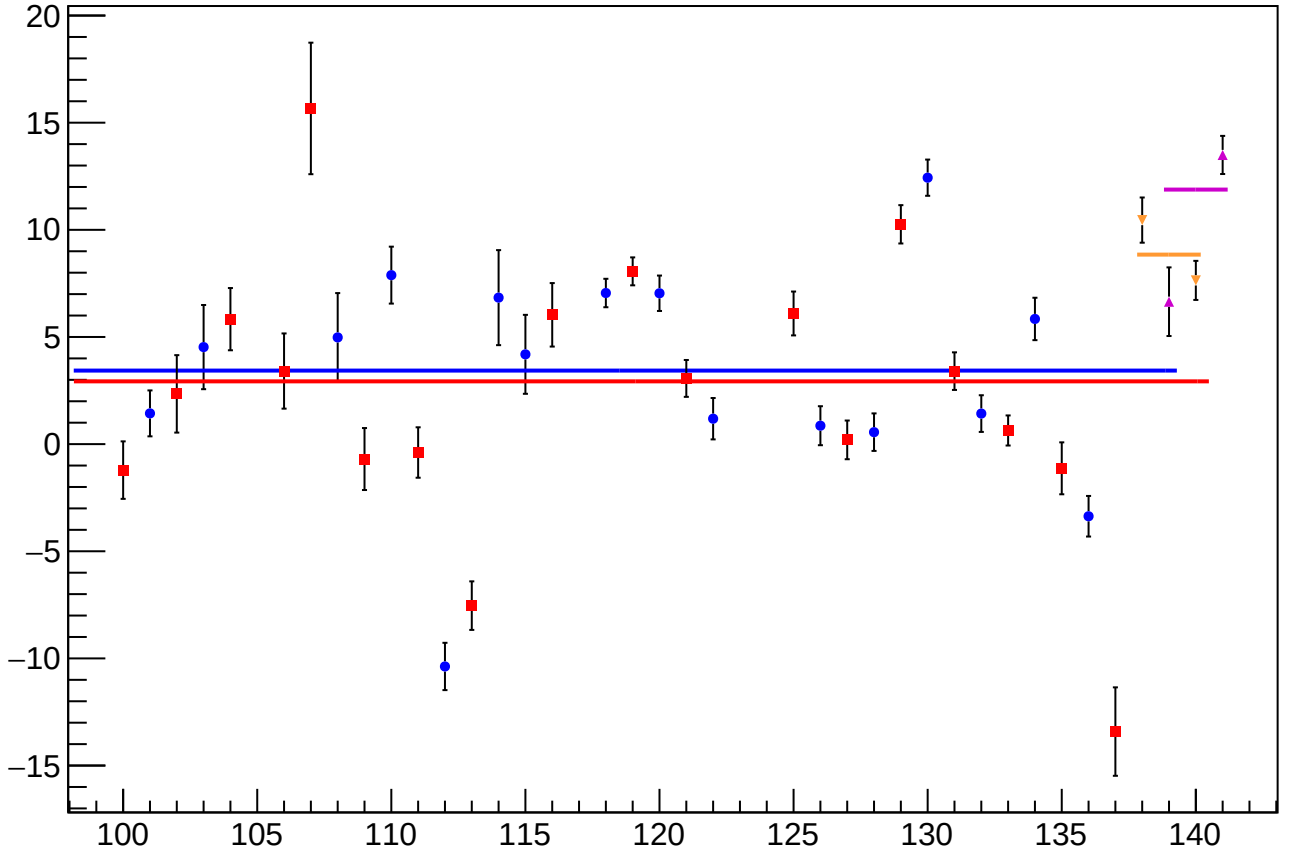
Left: 17.095+/-0.488 χ^2/NDF: 52.4/3

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.675+/-0.234 χ^2/NDF:2444.6/17

Out: 15.135+/-0.228 χ^2/NDF:3140.6/19

All: 14.911+/-0.163 χ^2/NDF: 5587.2/37



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.844+/-0.690 χ^2/NDF:4.1/1

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 11.878+/-0.778 χ^2/NDF:14.0/1

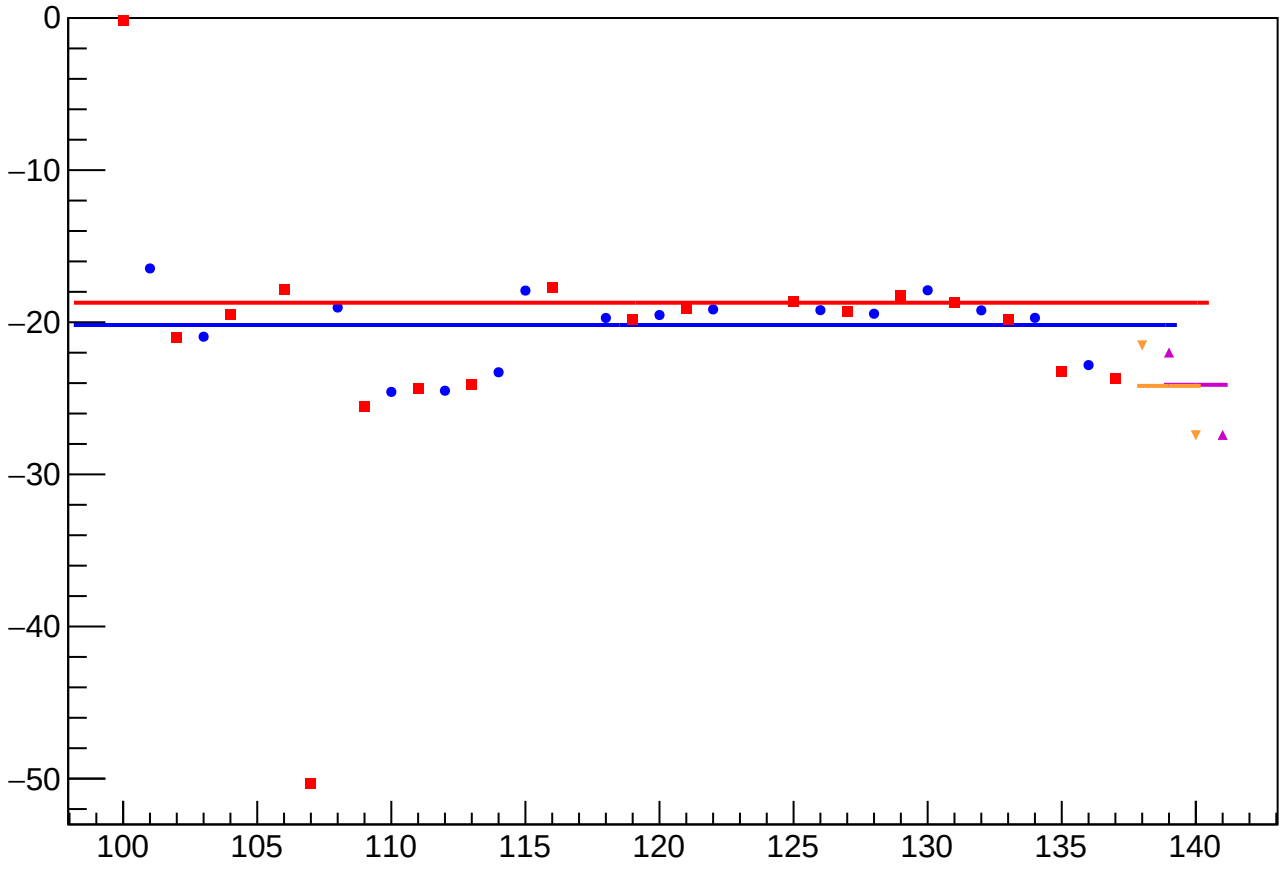
Left: 10.179+/-0.516 χ^2/NDF: 26.6/3

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 4.247+/-0.242 χ^2/NDF:544.5/17

Out: 3.632+/-0.238 χ^2/NDF:436.6/19

All: 3.935+/-0.169 χ^2/NDF: 984.4/37



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -24.183+/-0.028 χ^2/NDF:10976.2/1

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -24.111+/-0.027 χ^2/NDF:9665.1/1

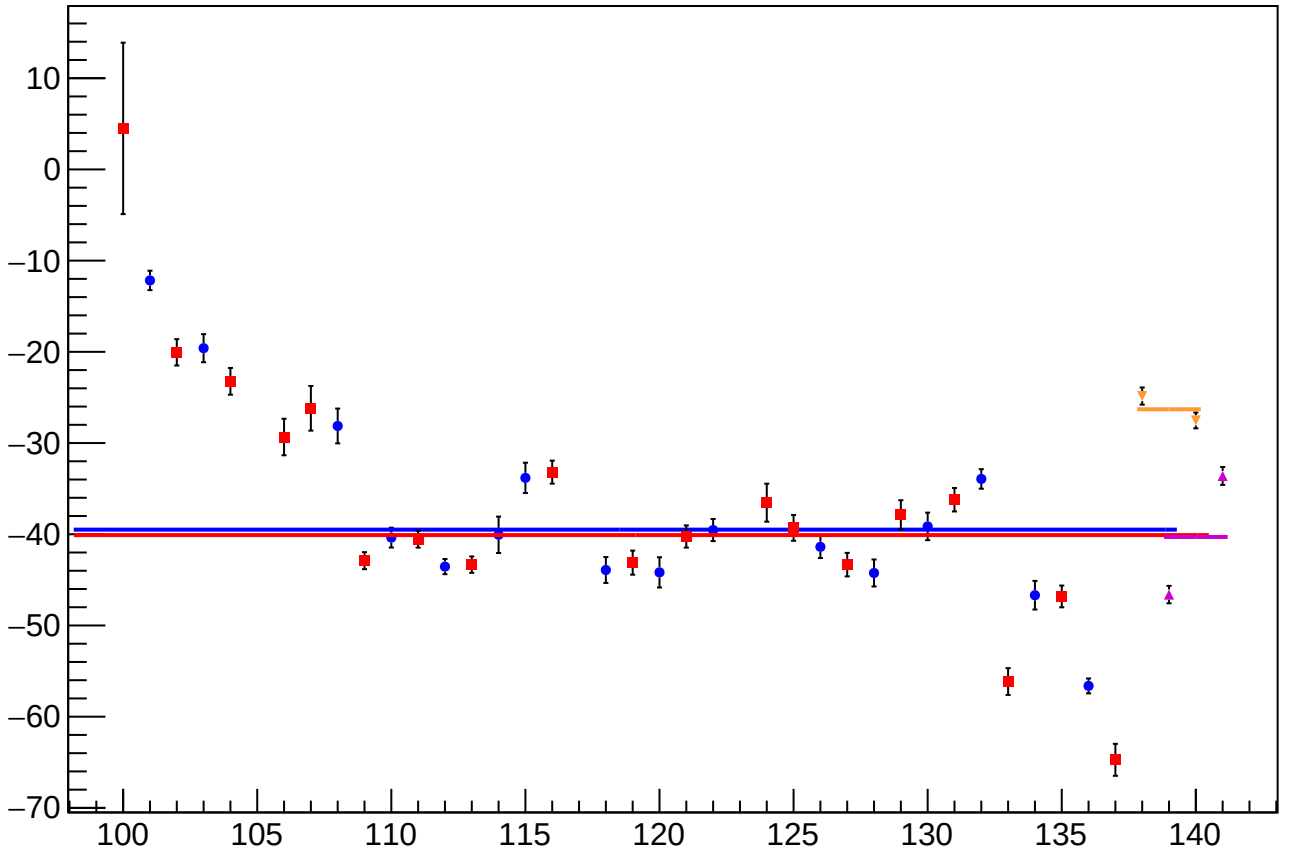
Left: -24.145+/-0.019 χ^2/NDF: 20644.7/3

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.212+/-0.014 χ^2/NDF:45259.4/17

Out: -20.002+/-0.014 χ^2/NDF:274713.7/19

All: -20.599+/-0.010 χ^2/NDF: 323874.6/37



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -26.297+/-0.637 χ^2/NDF:4.4/1

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -40.295+/-0.685 χ^2/NDF:90.1/1

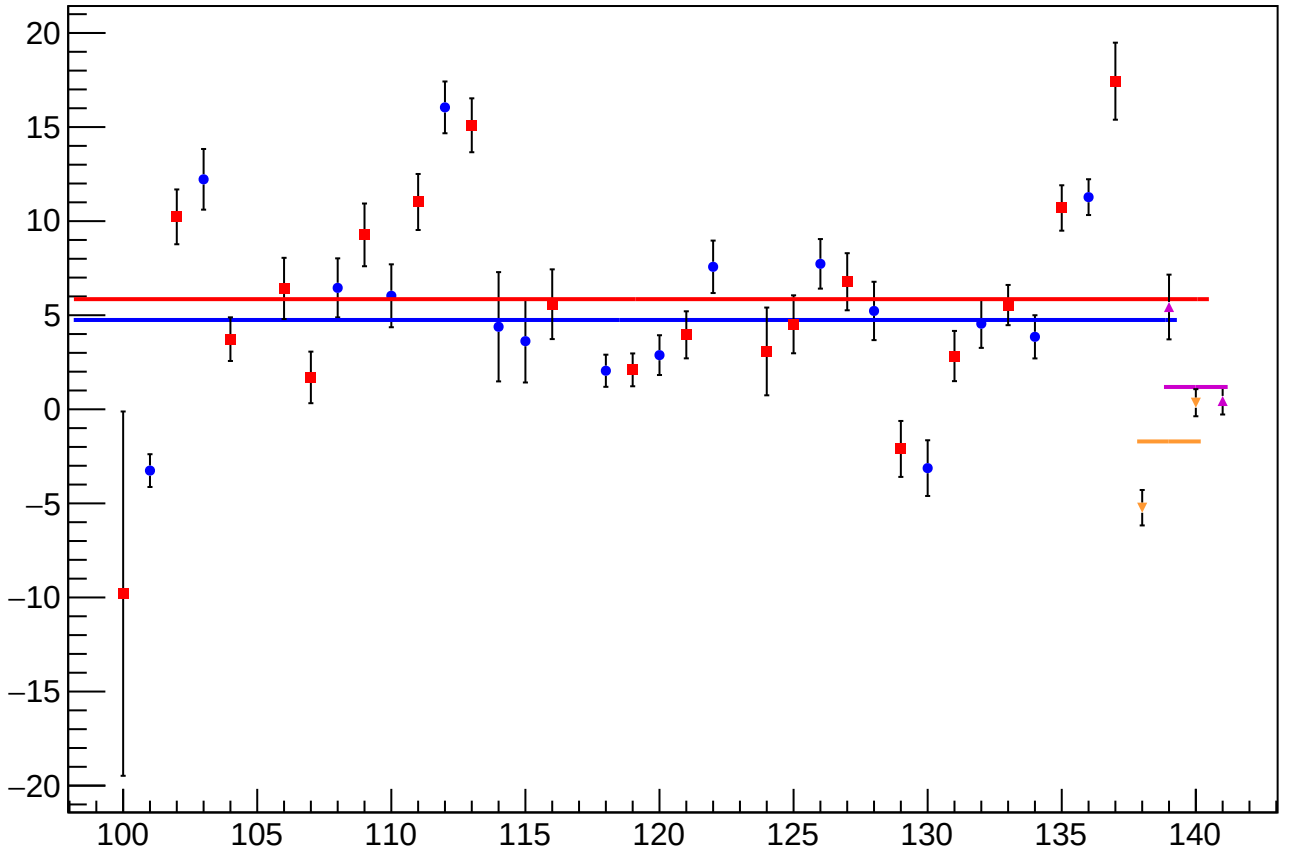
Left: -32.785+/-0.466 χ^2/NDF: 318.6/3

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.630+/-0.283 χ^2/NDF:1508.3/17

Out: -37.485+/-0.277 χ^2/NDF:1220.2/20

All: -38.533+/-0.198 χ^2/NDF: 2757.8/38



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: -1.708+/-0.572 χ^2/NDF:22.1/1

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.187+/-0.664 χ^2/NDF:7.2/1

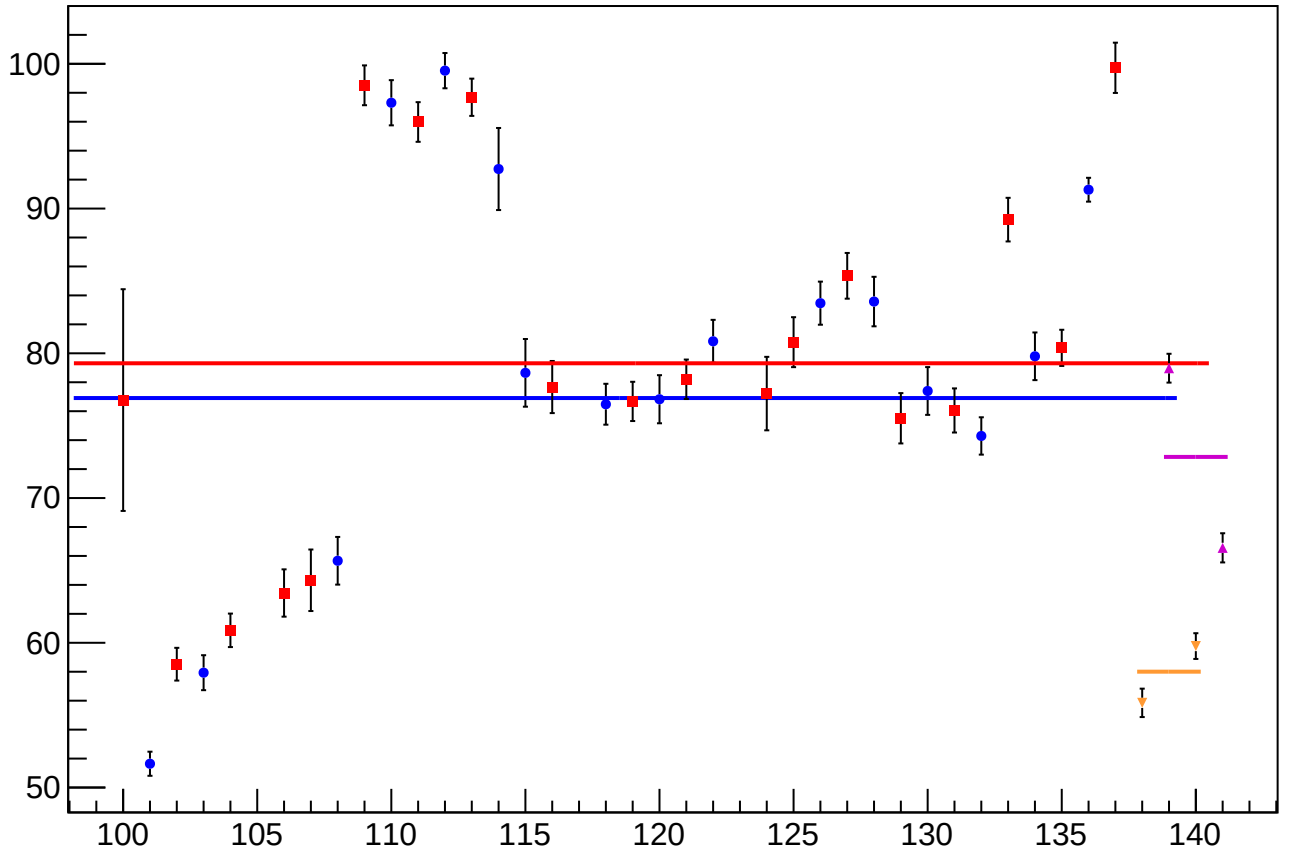
Left: -0.474+/-0.433 χ^2/NDF: 40.2/3

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 4.089+/-0.285 χ^2/NDF:304.5/17

Out: 4.019+/-0.282 χ^2/NDF:342.1/20

All: 4.054+/-0.200 χ^2/NDF: 646.6/38



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 58.004+/-0.659 χ^2/NDF:8.8/1

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 72.842+/-0.708 χ^2/NDF:76.8/1

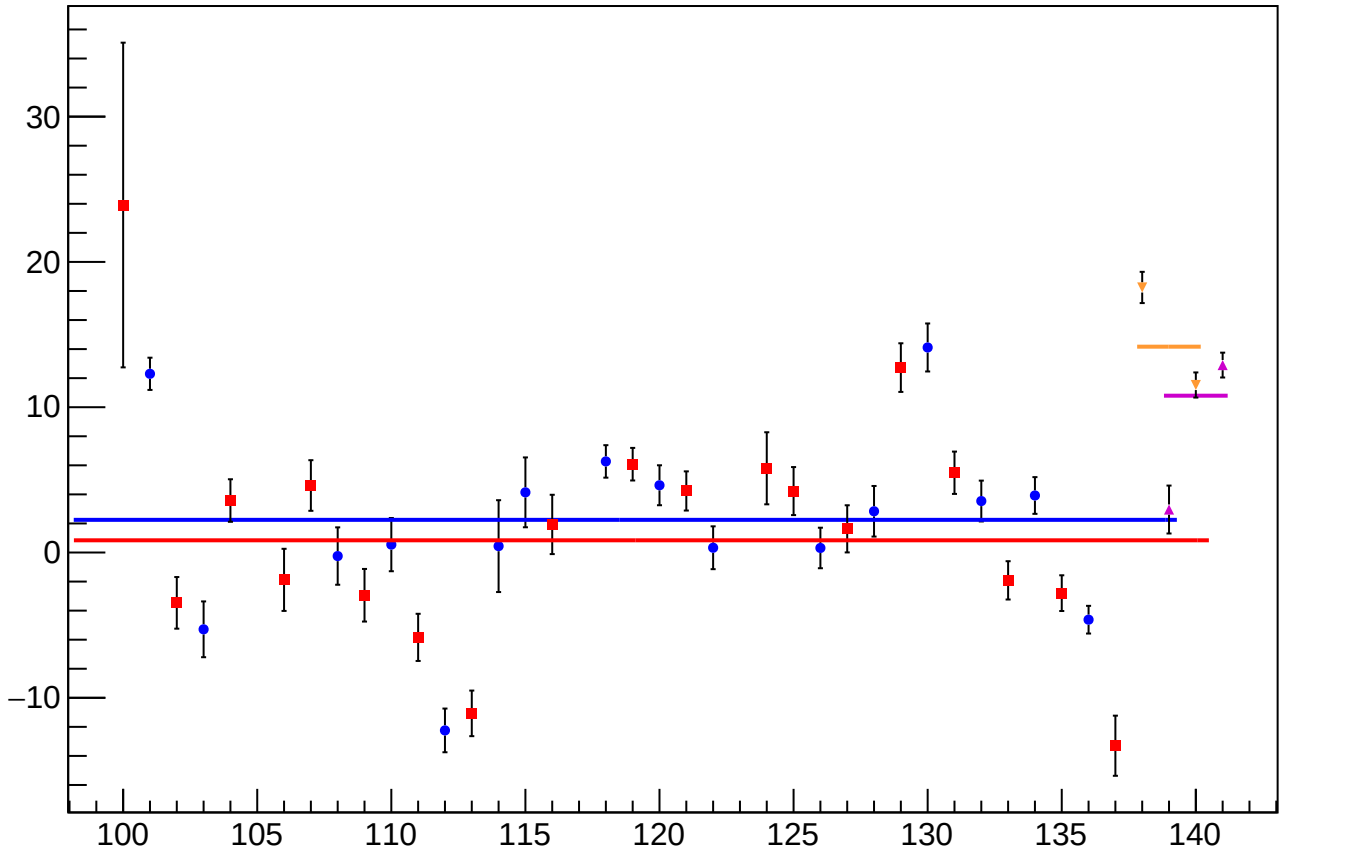
Left: 64.889+/-0.482 χ^2/NDF: 320.8/3

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 76.159+/-0.304 χ^2/NDF:2219.6/17

Out: 74.667+/-0.308 χ^2/NDF:2322.8/20

All: 75.421+/-0.216 χ^2/NDF: 4554.3/38



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 14.167+/-0.674 χ^2/NDF:23.7/1

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 10.793+/-0.759 χ^2/NDF:28.7/1

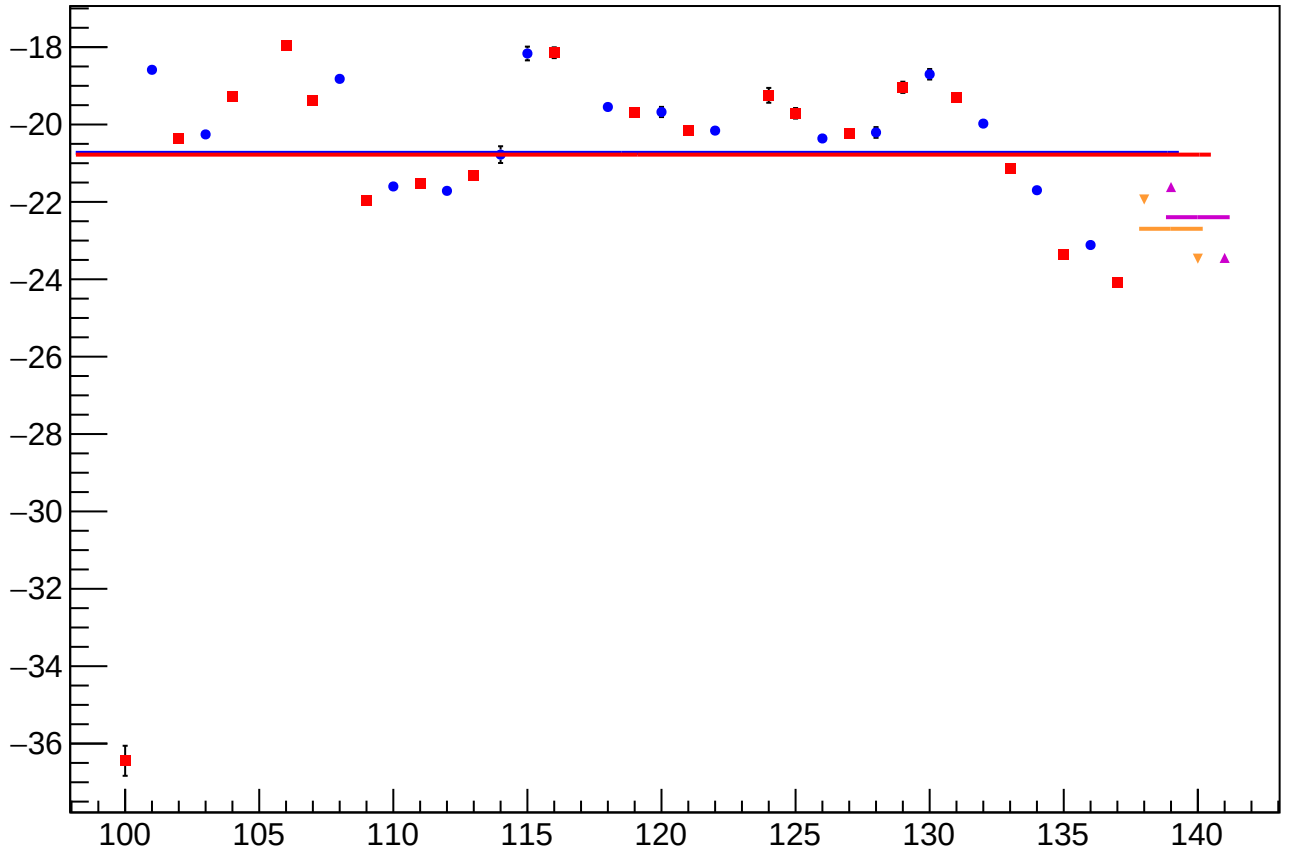
Left: 12.680+/-0.504 χ^2/NDF: 63.4/3

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 3.839+/-0.328 χ^2/NDF:451.4/17

Out: 3.955+/-0.326 χ^2/NDF:579.7/20

All: 3.897+/-0.231 χ^2/NDF: 1031.2/38



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -22.695+/-0.028 χ^2/NDF:753.5/1

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -22.395+/-0.027 χ^2/NDF:1132.8/1

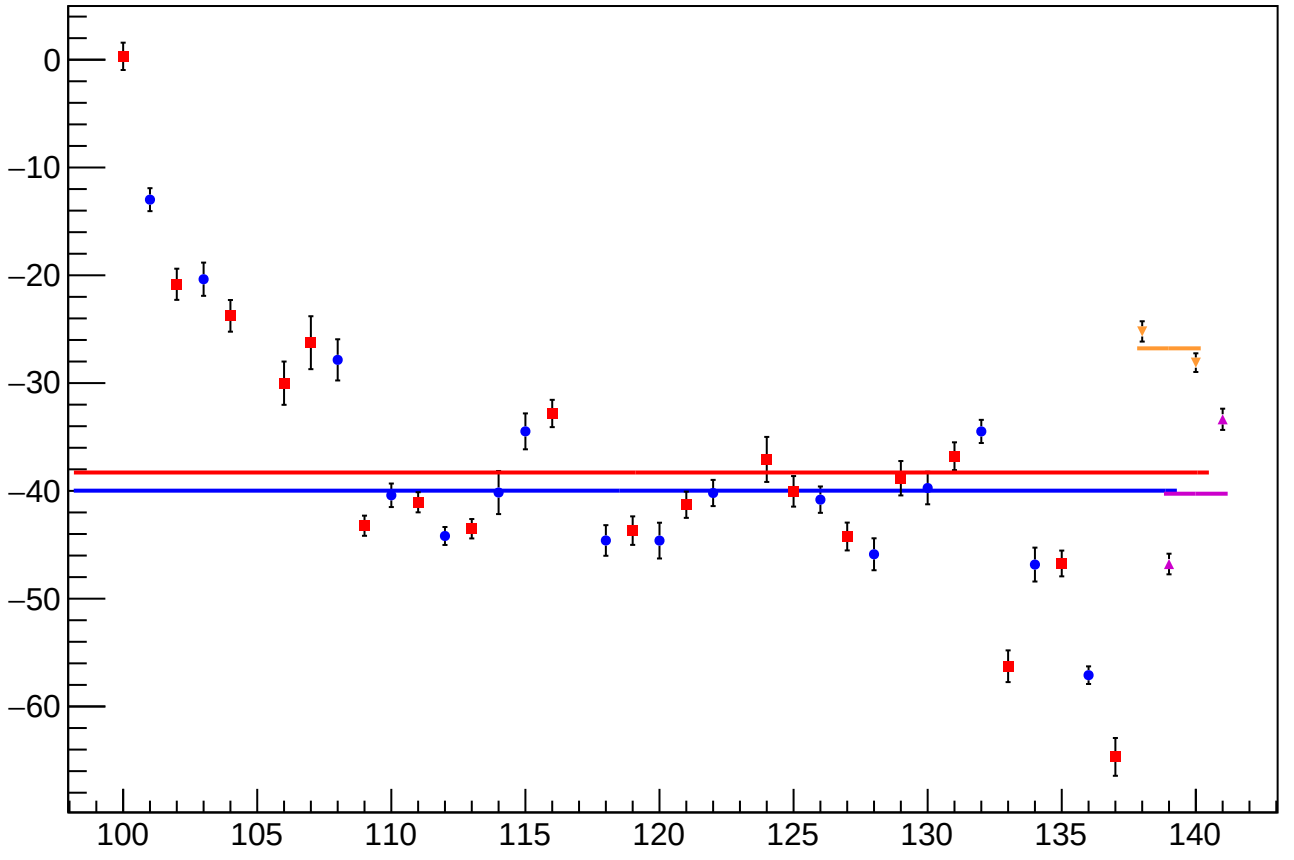
Left: -22.540+/-0.019 χ^2/NDF: 1946.2/3

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -21.302+/-0.016 χ^2/NDF:11277.1/17

Out: -21.438+/-0.016 χ^2/NDF:13283.5/20

All: -21.368+/-0.011 χ^2/NDF: 24596.7/38



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -26.777+/-0.638 χ^2/NDF:5.1/1

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -40.262+/-0.686 χ^2/NDF:95.7/1

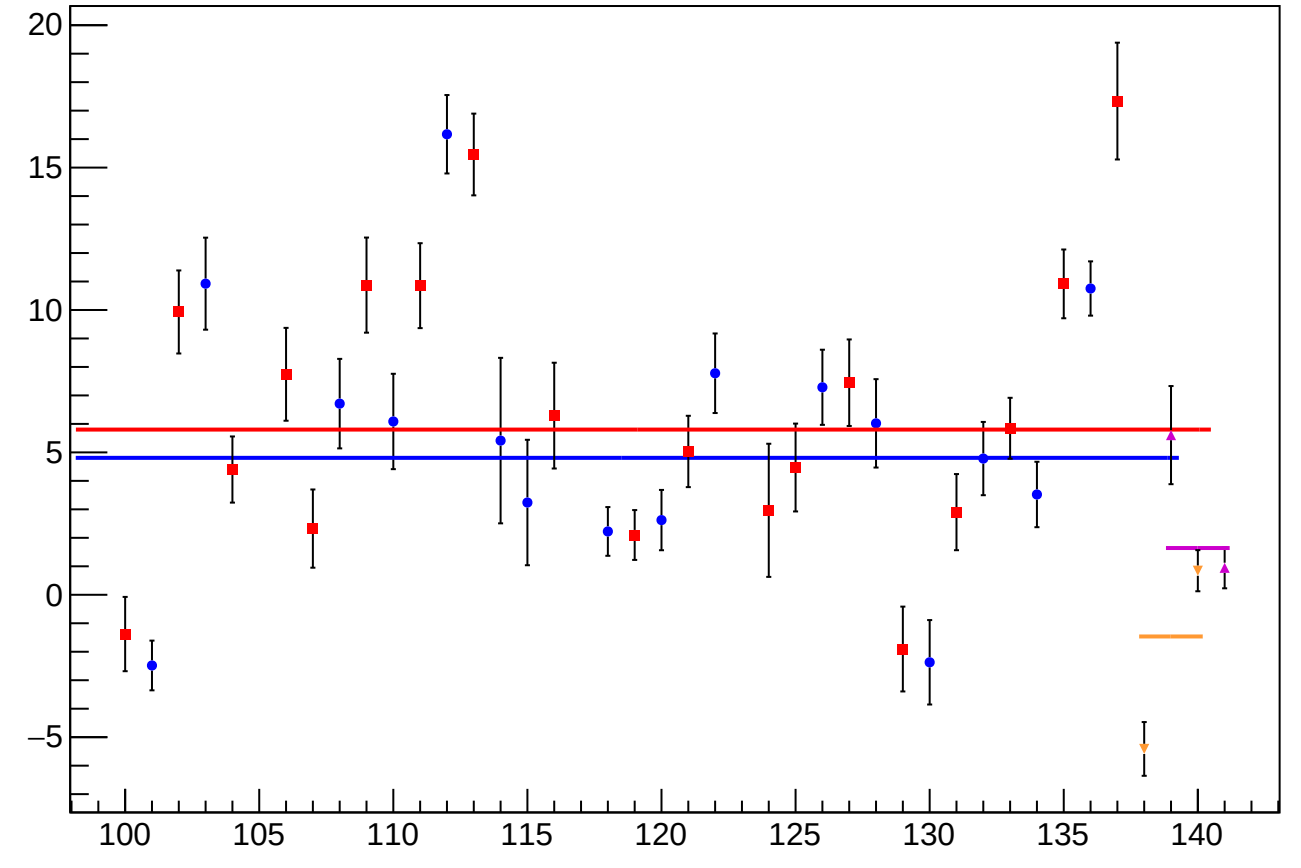
Left: -33.028+/-0.467 χ^2/NDF: 308.0/3

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -40.028+/-0.283 χ^2/NDF:1494.2/17

Out: -36.219+/-0.271 χ^2/NDF:2046.2/20

All: -38.037+/-0.196 χ^2/NDF: 3634.9/38



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: -1.464+/-0.573 χ^2/NDF:27.7/1

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 1.642+/-0.665 χ^2/NDF:6.2/1

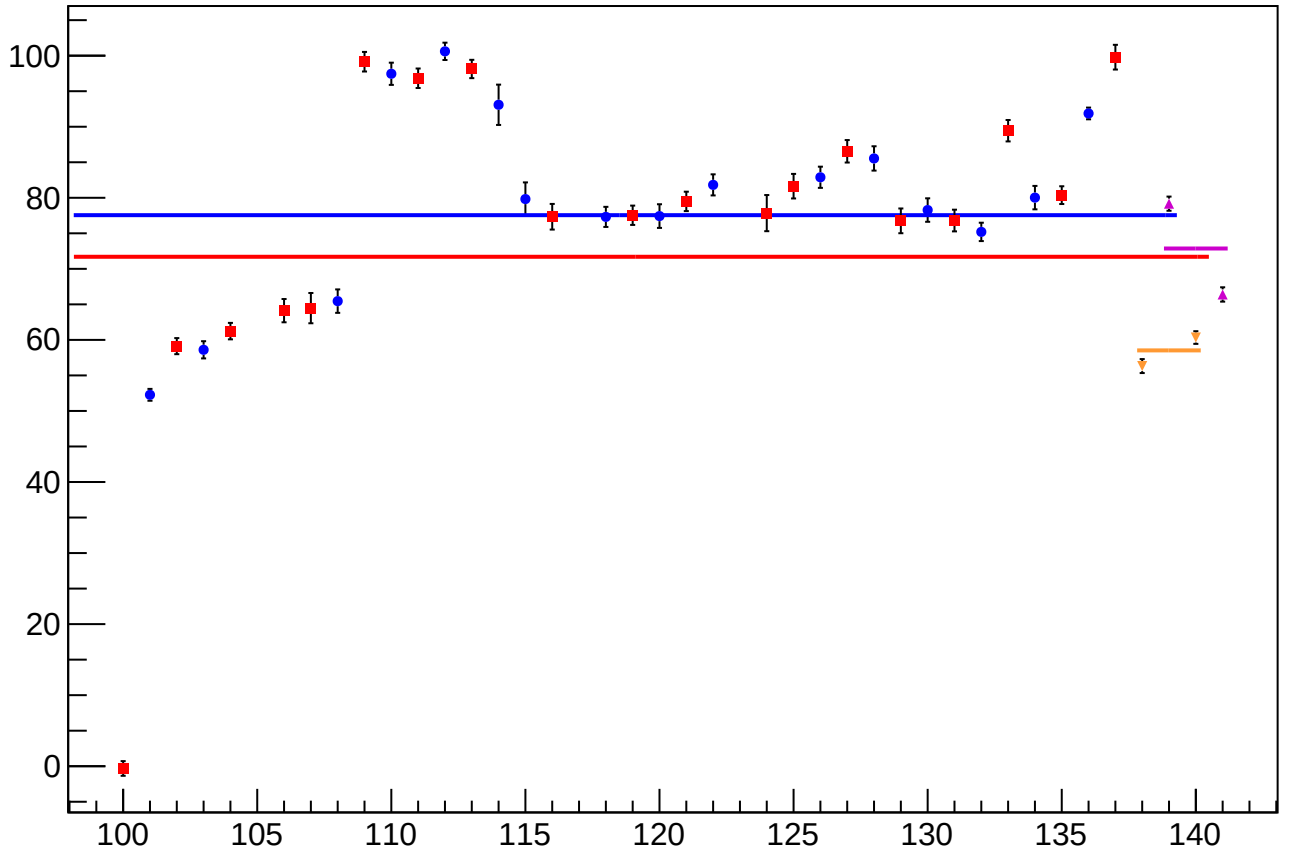
Left: -0.140+/-0.434 χ^2/NDF: 46.5/3

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 4.224+/-0.286 χ^2/NDF:265.2/17

Out: 4.116+/-0.276 χ^2/NDF:367.5/20

All: 4.168+/-0.199 χ^2/NDF: 632.8/38



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 58.522+/-0.660 χ^2/NDF:9.2/1

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 72.861+/-0.710 χ^2/NDF:81.0/1

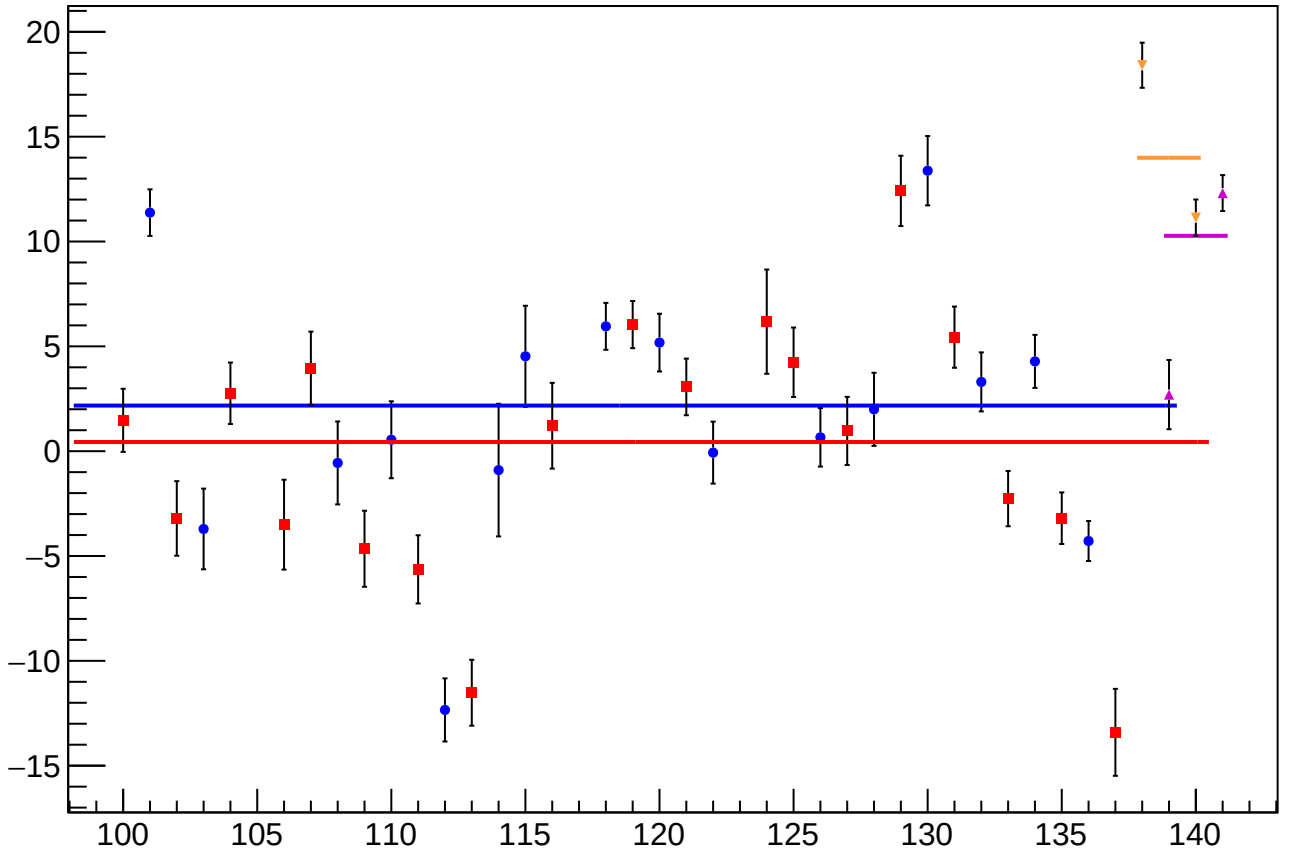
Left: 65.176+/-0.483 χ^2/NDF: 309.1/3

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 76.689+/-0.305 χ^2/NDF:2235.0/17

Out: 69.059+/-0.295 χ^2/NDF:7231.2/20

All: 72.757+/-0.212 χ^2/NDF: 9789.3/38



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 13.995+/-0.675 χ^2/NDF:27.7/1

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 10.272+/-0.761 χ^2/NDF:26.7/1

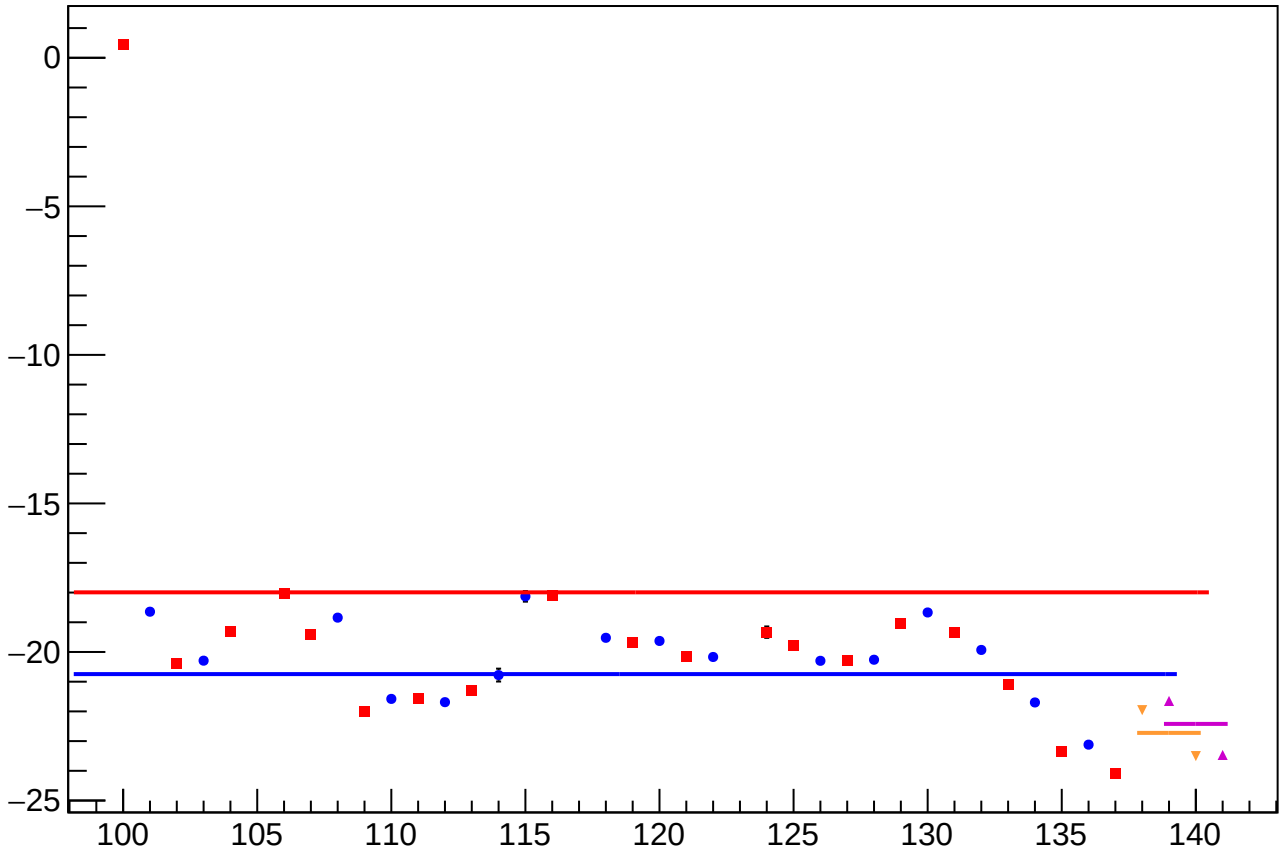
Left: 12.355+/-0.505 χ^2/NDF: 67.7/3

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 3.681+/-0.328 χ^2/NDF:409.2/17

Out: 3.465+/-0.319 χ^2/NDF:595.1/20

All: 3.570+/-0.229 χ^2/NDF: 1004.5/38



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -22.723+/-0.028 χ^2/NDF:767.1/1

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -22.421+/-0.027 χ^2/NDF:1109.9/1

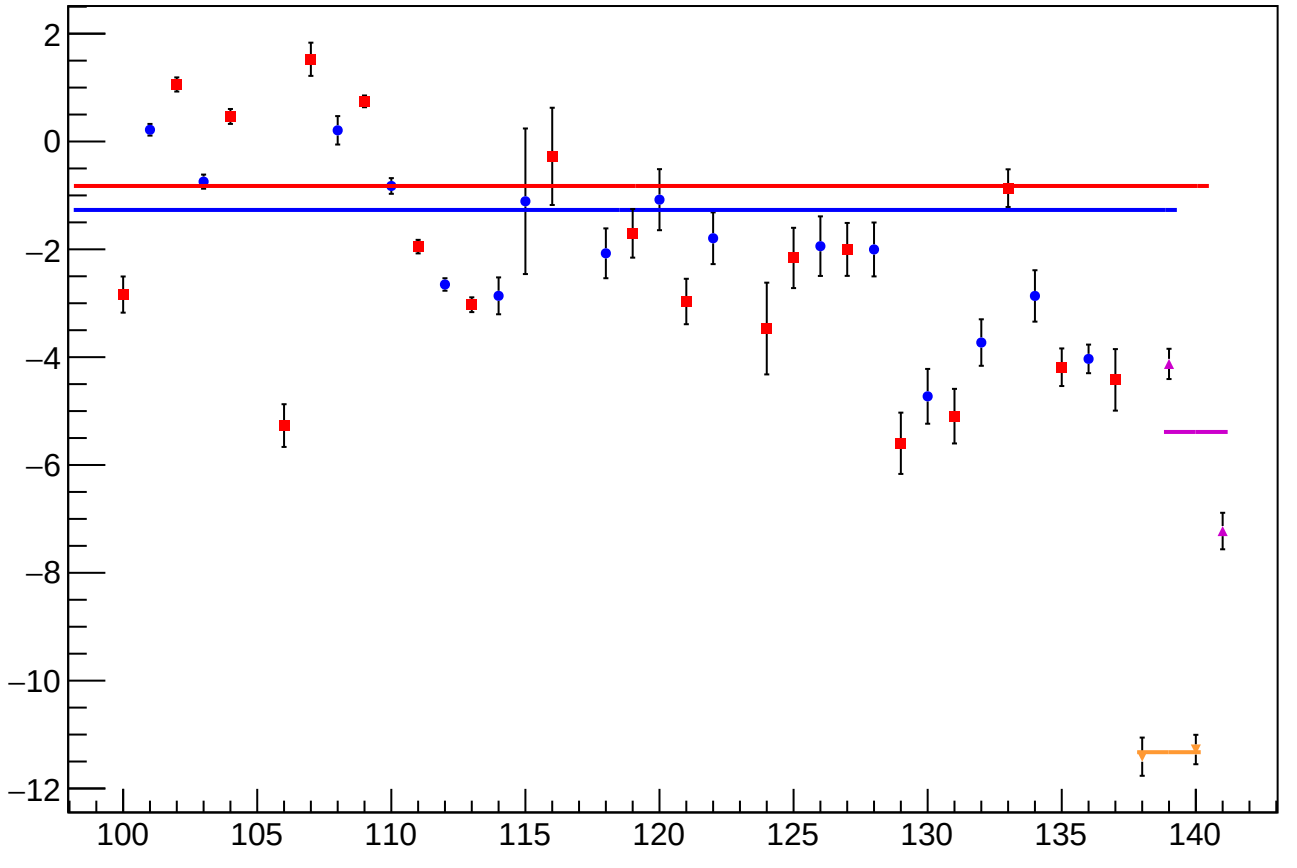
Left: -22.567+/-0.019 χ^2/NDF: 1937.7/3

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -21.318+/-0.016 χ^2/NDF:11166.1/17

Out: -19.478+/-0.016 χ^2/NDF:171052.0/20

All: -20.390+/-0.011 χ^2/NDF: 189086.2/38



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -11.327+/-0.216 χ^2/NDF:0.1/1

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.387+/-0.216 χ^2/NDF:49.7/1

Left: -8.355+/-0.153 χ^2/NDF: 427.6/3

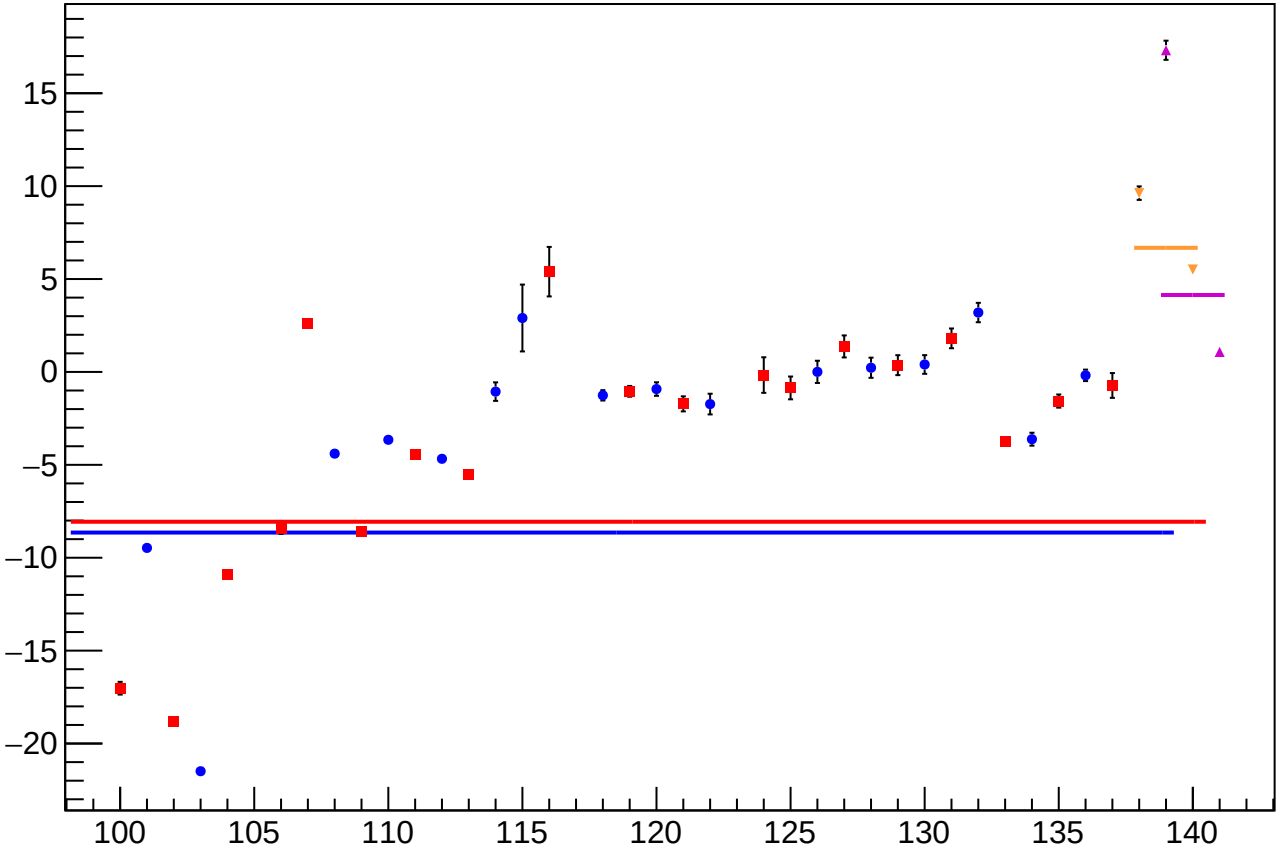
Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.516+/-0.053 χ^2/NDF:1007.8/17

Out: -1.379+/-0.050 χ^2/NDF:3620.0/20

All: -1.444+/-0.036 χ^2/NDF: 4631.4/38

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 6.680+/-0.194 χ^2/NDF:91.3/1

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 4.140+/-0.224 χ^2/NDF:805.7/1

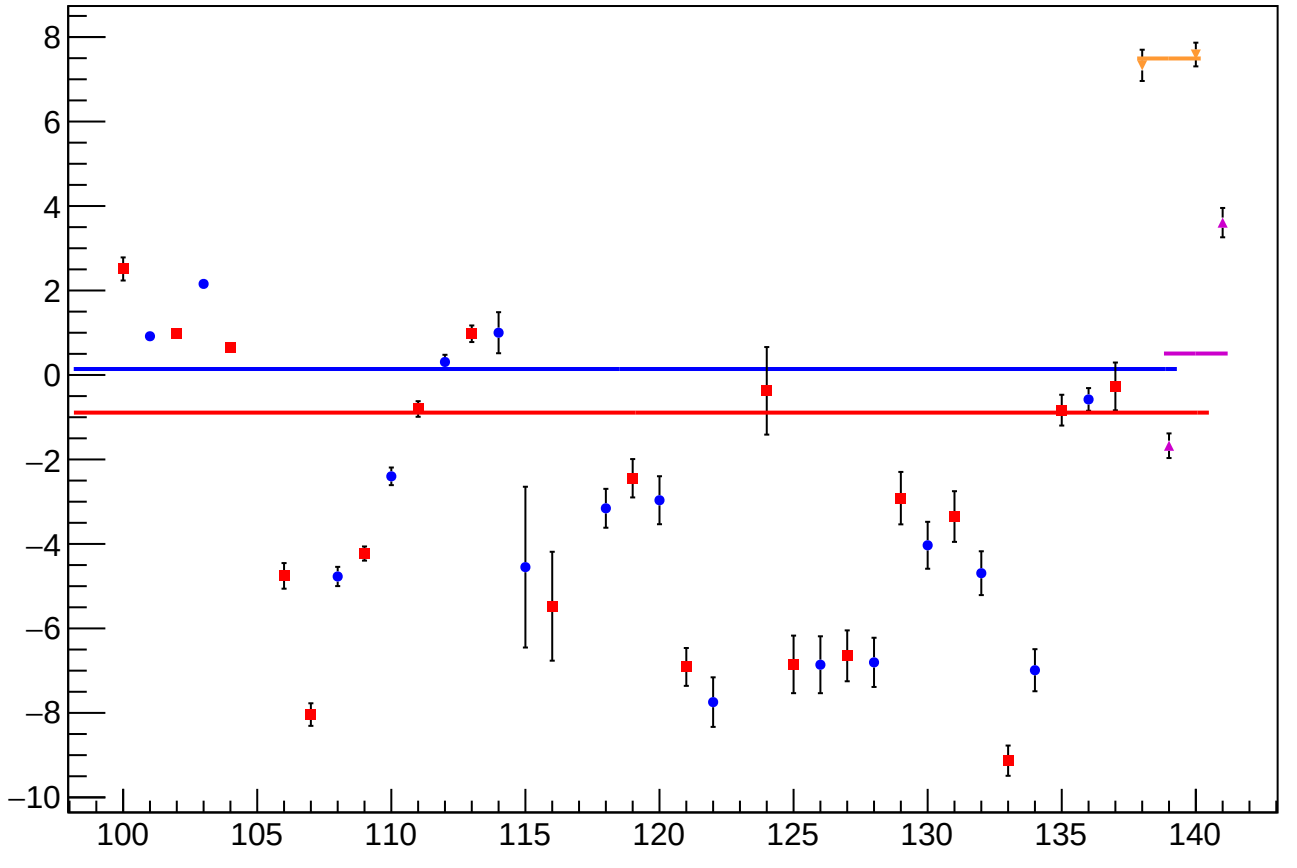
Left: 5.590+/-0.147 χ^2/NDF: 970.6/3

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -7.868+/-0.055 χ^2/NDF:17698.6/17

Out: -6.873+/-0.055 χ^2/NDF:19825.8/20

All: -7.370+/-0.039 χ^2/NDF: 37687.1/38



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 7.493+/-0.224 χ^2/NDF:0.3/1

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.508+/-0.223 χ^2/NDF:135.6/1

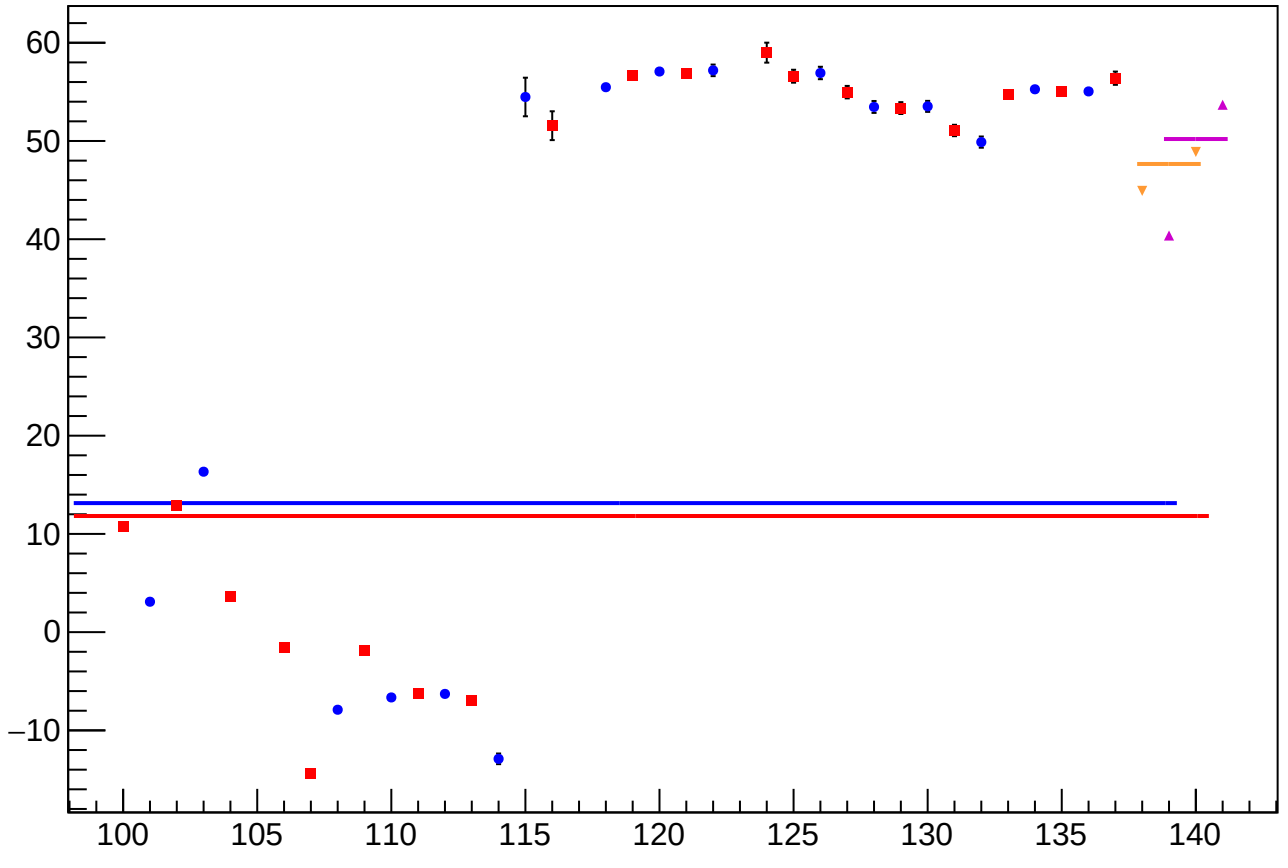
Left: 3.996+/-0.158 χ^2/NDF: 624.6/3

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.161+/-0.052 χ^2/NDF:2097.9/17

Out: -0.435+/-0.052 χ^2/NDF:4315.5/20

All: -0.134+/-0.037 χ^2/NDF: 6479.6/38



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 47.659+/-0.229 χ^2/NDF:64.0/1

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.200+/-0.253 χ^2/NDF:533.9/1

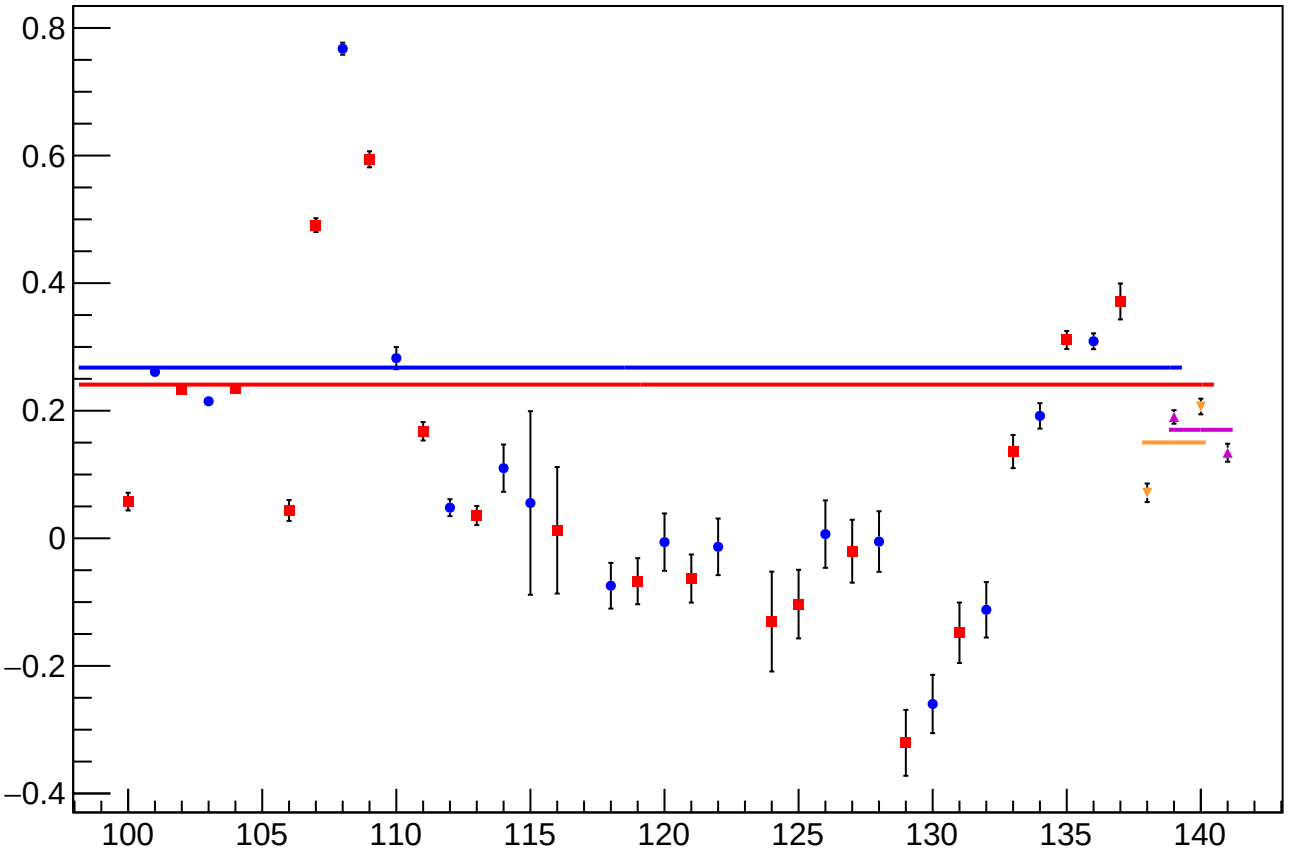
Left: 48.800+/-0.170 χ^2/NDF: 653.3/3

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 15.622+/-0.066 χ^2/NDF:129068.7/17

Out: 14.719+/-0.065 χ^2/NDF:140784.8/20

All: 15.167+/-0.046 χ^2/NDF: 269948.9/38



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.150+/-0.009 χ^2/NDF:50.2/1

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.170+/-0.008 χ^2/NDF:10.1/1

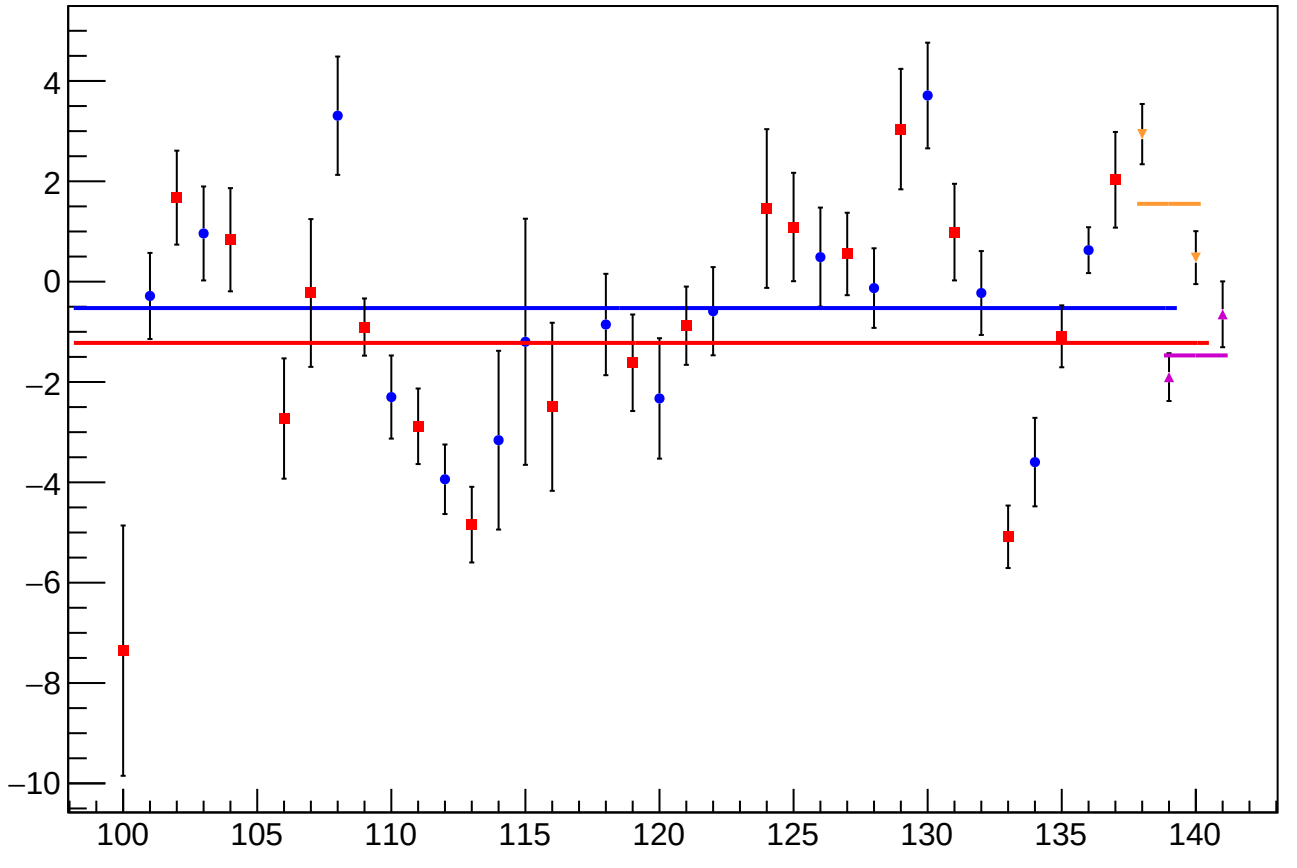
Left: 0.161+/-0.006 χ^2/NDF: 62.7/3

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.258+/-0.003 χ^2/NDF:3849.7/17

Out: 0.234+/-0.003 χ^2/NDF:2474.8/20

All: 0.246+/-0.002 χ^2/NDF: 6366.5/38



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 1.551+/-0.396 χ^2/NDF:9.5/1

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.470+/-0.385 χ^2/NDF:2.4/1

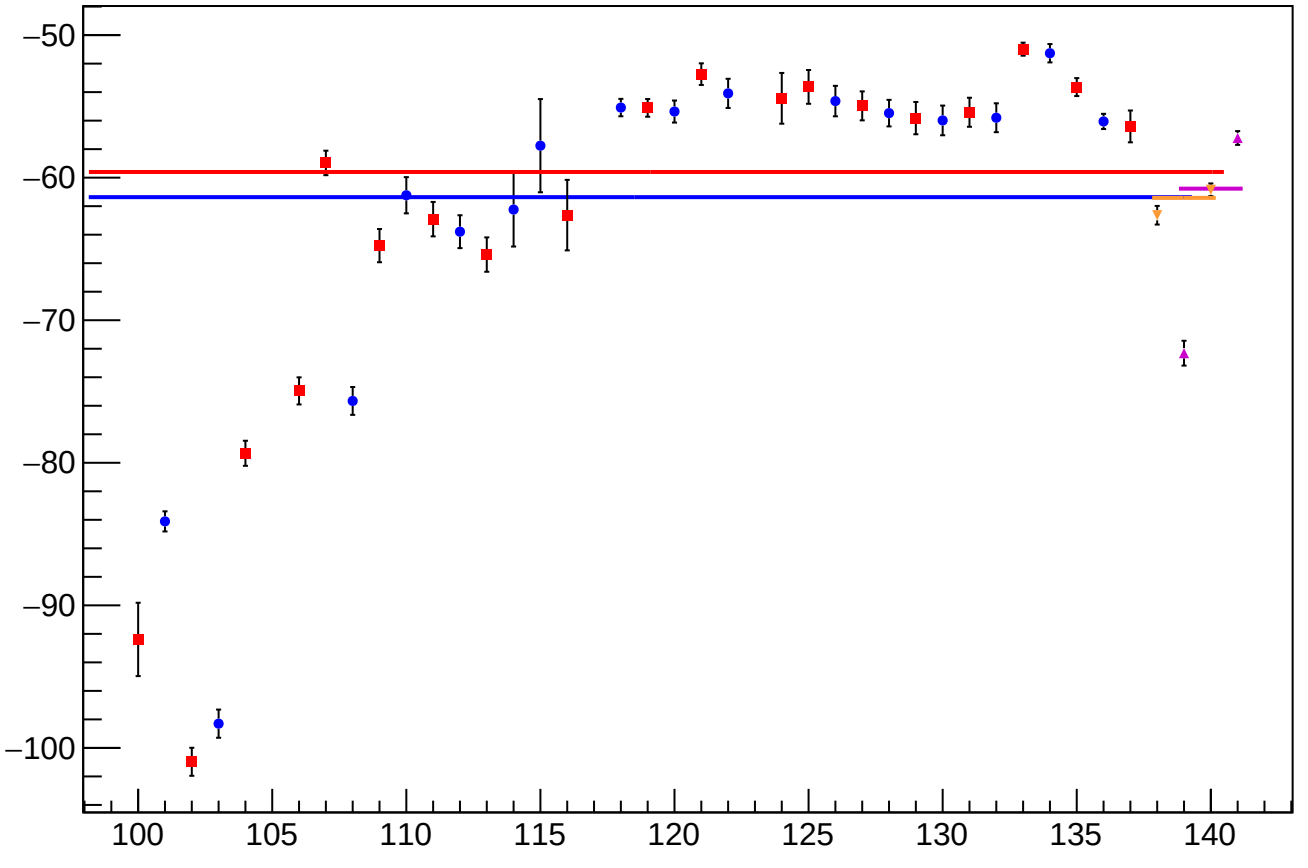
Left: -0.002+/-0.276 χ^2/NDF: 41.7/3

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.754+/-0.189 χ^2/NDF:89.7/17

Out: -0.638+/-0.182 χ^2/NDF:179.0/20

All: -0.694+/-0.131 χ^2/NDF: 268.9/38



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -61.418+/-0.369 χ^2/NDF:5.1/1

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -60.771+/-0.423 χ^2/NDF:229.6/1

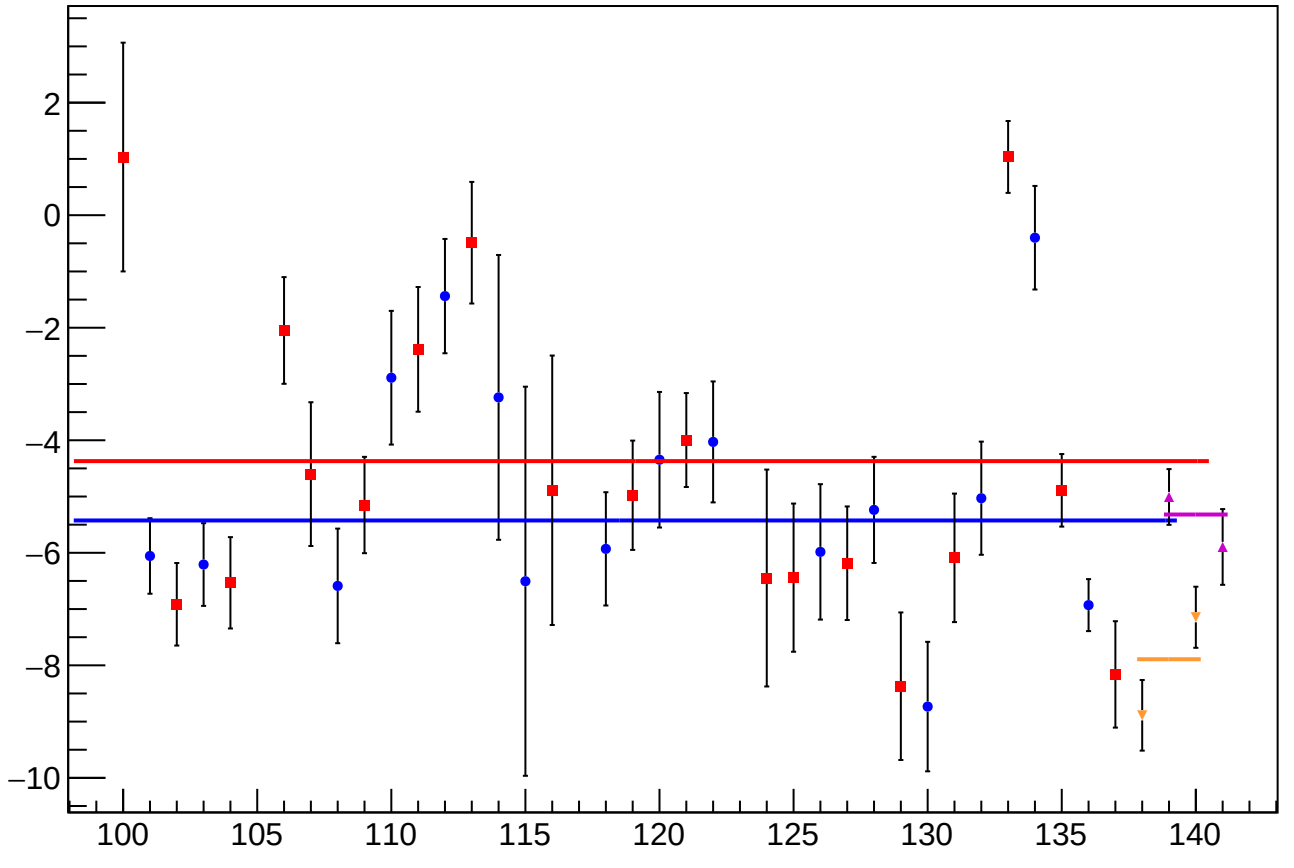
Left: -61.138+/-0.278 χ^2/NDF: 236.0/3

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -61.241+/-0.194 χ^2/NDF:3582.3/17

Out: -60.035+/-0.180 χ^2/NDF:3444.9/20

All: -60.592+/-0.132 χ^2/NDF: 7047.9/38



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.892+/-0.411 χ^2/NDF:4.4/1

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -5.320+/-0.399 χ^2/NDF:1.1/1

Left: -6.569+/-0.286 χ^2/NDF: 25.7/3

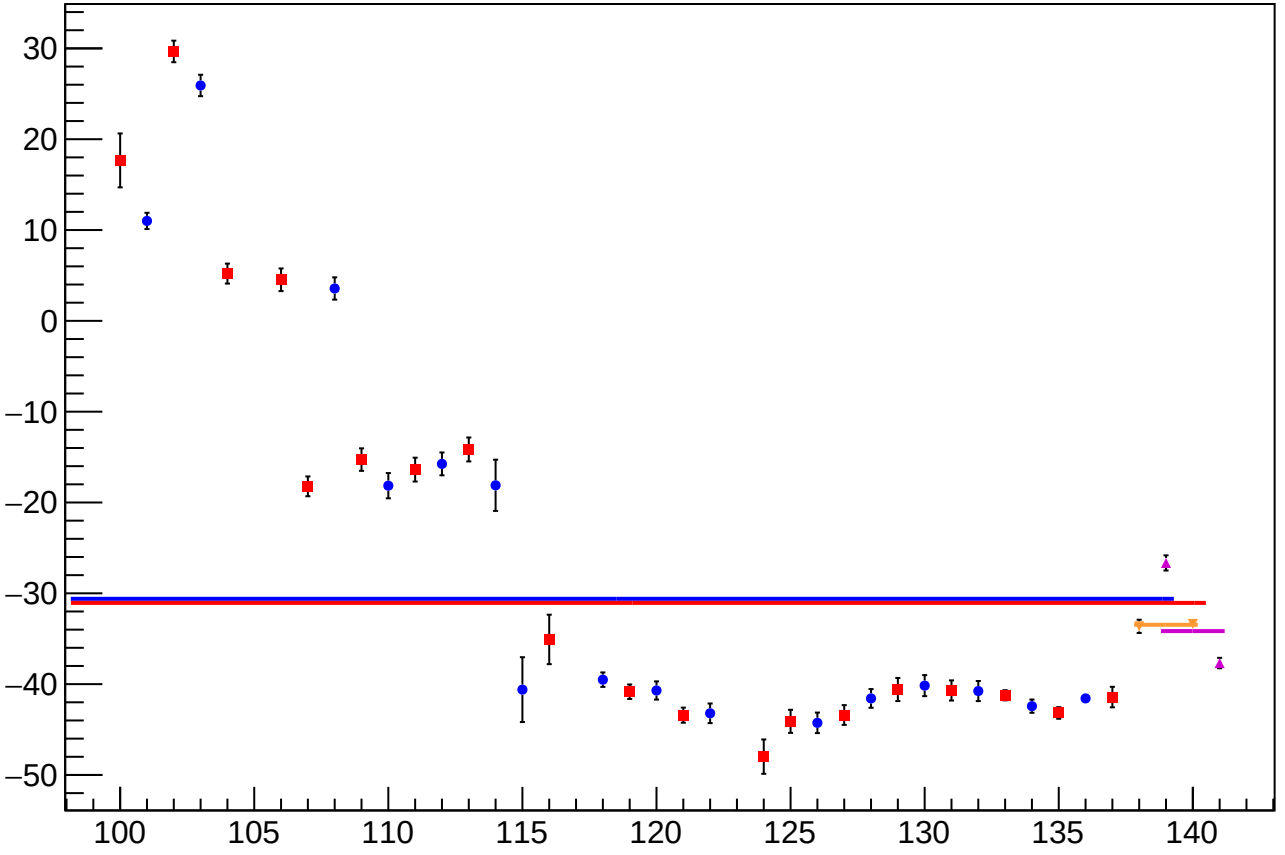
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.399+/-0.199 χ^2/NDF:77.1/17

Out: -5.170+/-0.196 χ^2/NDF:217.9/20

All: -5.282+/-0.140 χ^2/NDF: 295.7/38

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -33.465+/-0.431 χ^2/NDF:0.1/1

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -34.160+/-0.473 χ^2/NDF:118.2/1

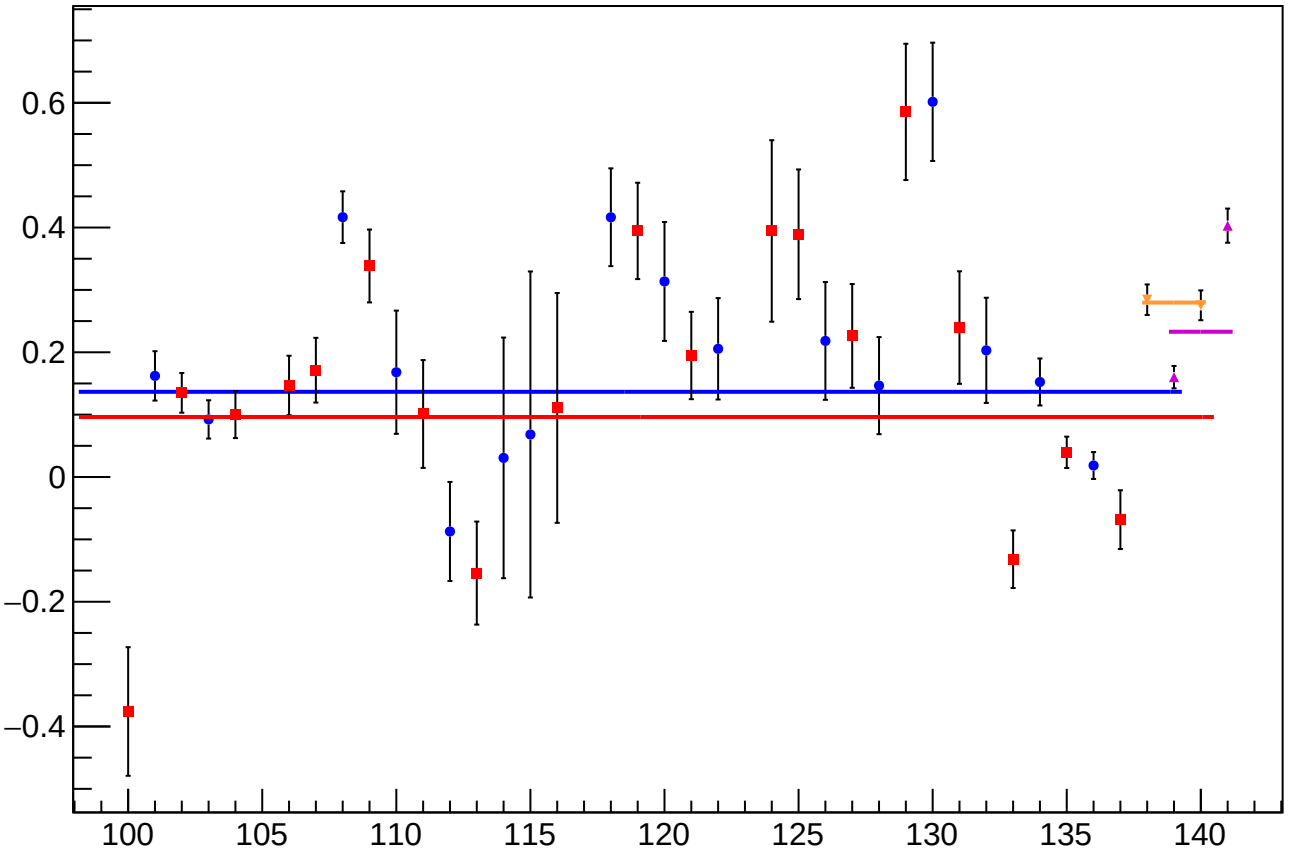
Left: -33.780+/-0.318 χ^2/NDF: 119.5/3

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -31.379+/-0.221 χ^2/NDF:7100.5/17

Out: -31.619+/-0.208 χ^2/NDF:7000.5/20

All: -31.506+/-0.151 χ^2/NDF: 14101.6/38



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.280+/-0.017 χ^2/NDF:0.1/1

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.233+/-0.015 χ^2/NDF:55.0/1

Left: 0.253+/-0.011 χ^2/NDF: 59.3/3

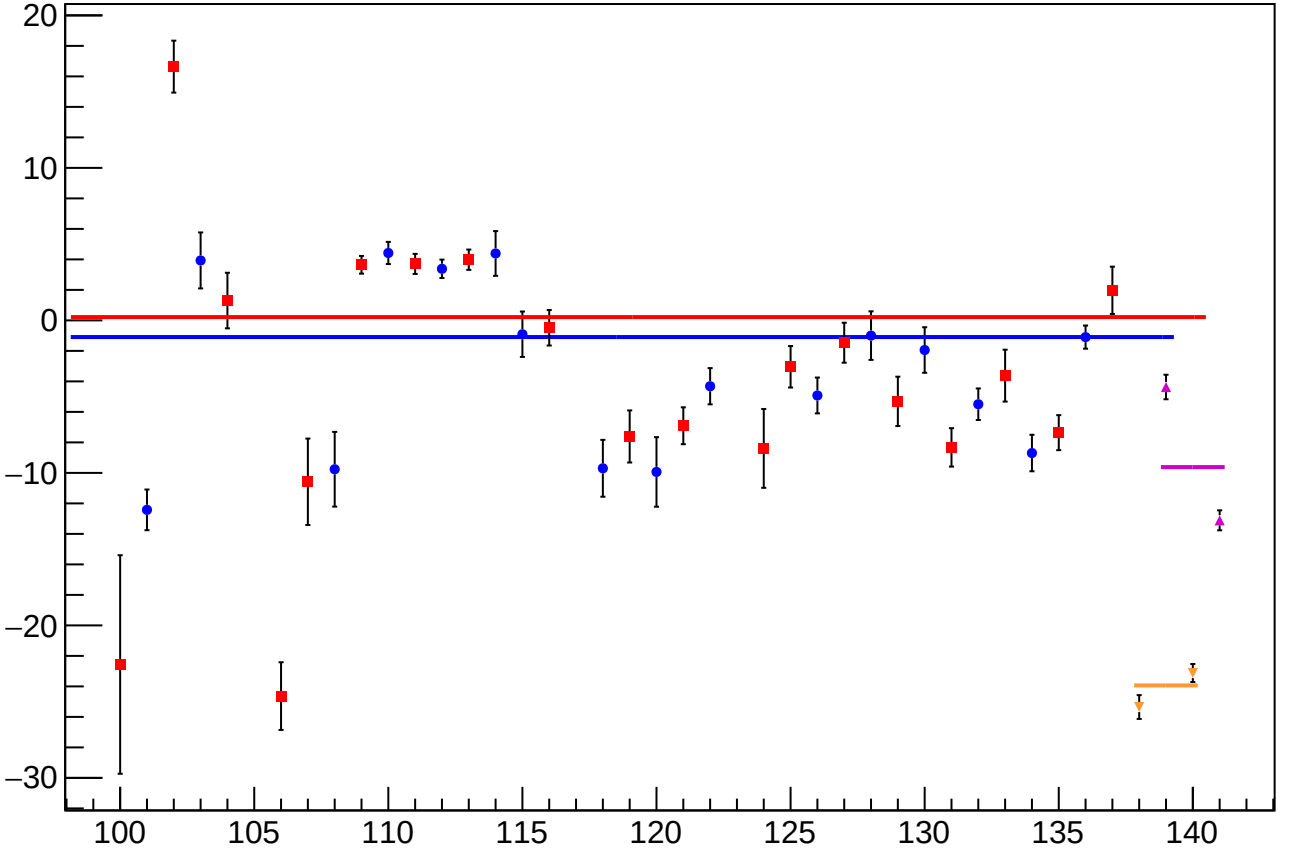
Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.176+/-0.010 χ^2/NDF:208.6/17

Out: 0.159+/-0.010 χ^2/NDF:223.5/20

All: 0.168+/-0.007 χ^2/NDF: 433.5/38

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -23.937+/-0.472 χ^2/NDF:5.2/1

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -9.619+/-0.508 χ^2/NDF:71.0/1

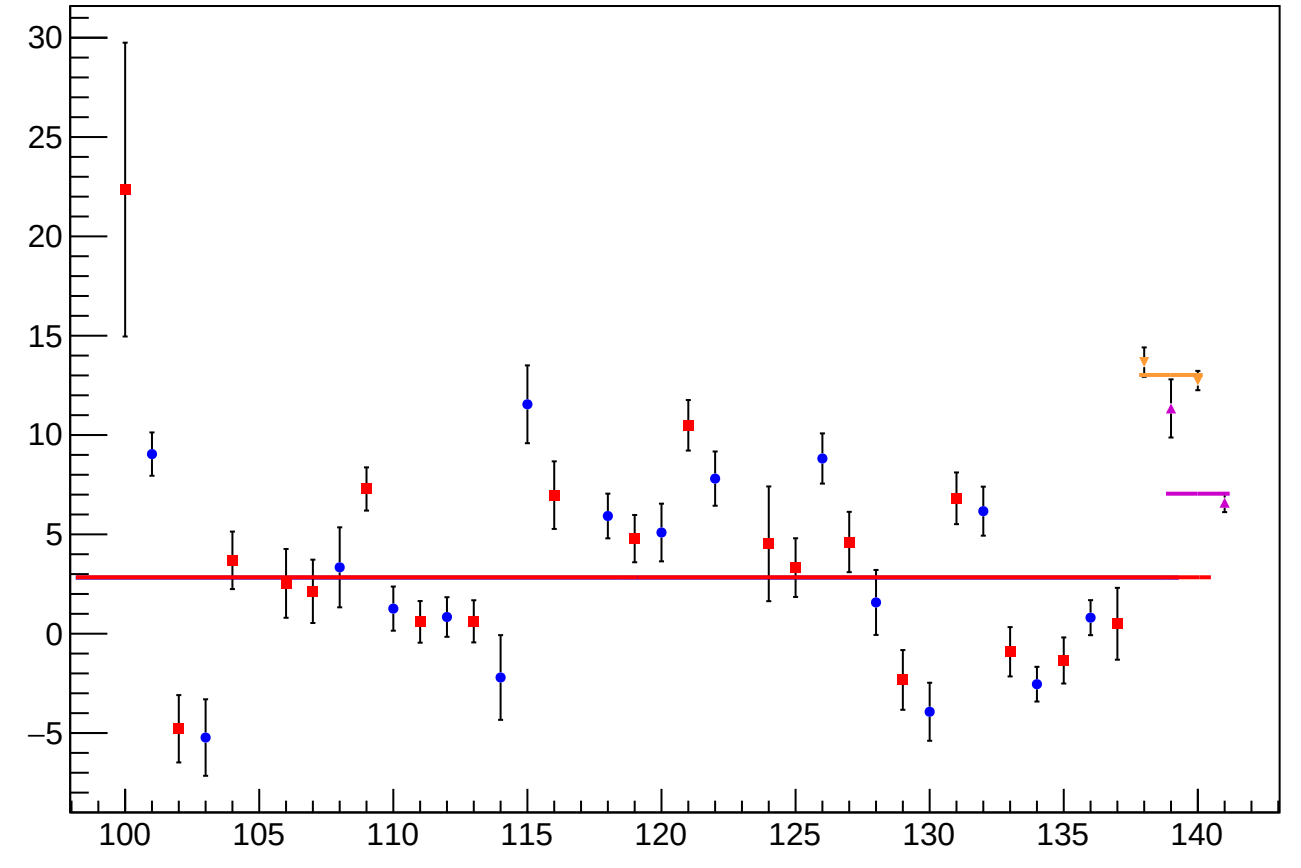
Left: -17.307+/-0.346 χ^2/NDF: 502.5/3

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -3.085+/-0.246 χ^2/NDF:618.8/17

Out: -5.615+/-0.232 χ^2/NDF:2513.8/20

All: -4.423+/-0.169 χ^2/NDF: 3188.7/38



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 13.023+/-0.406 χ^2/NDF:1.1/1

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 7.048+/-0.452 χ^2/NDF:9.5/1

Left: 10.354+/-0.302 χ^2/NDF: 107.1/3

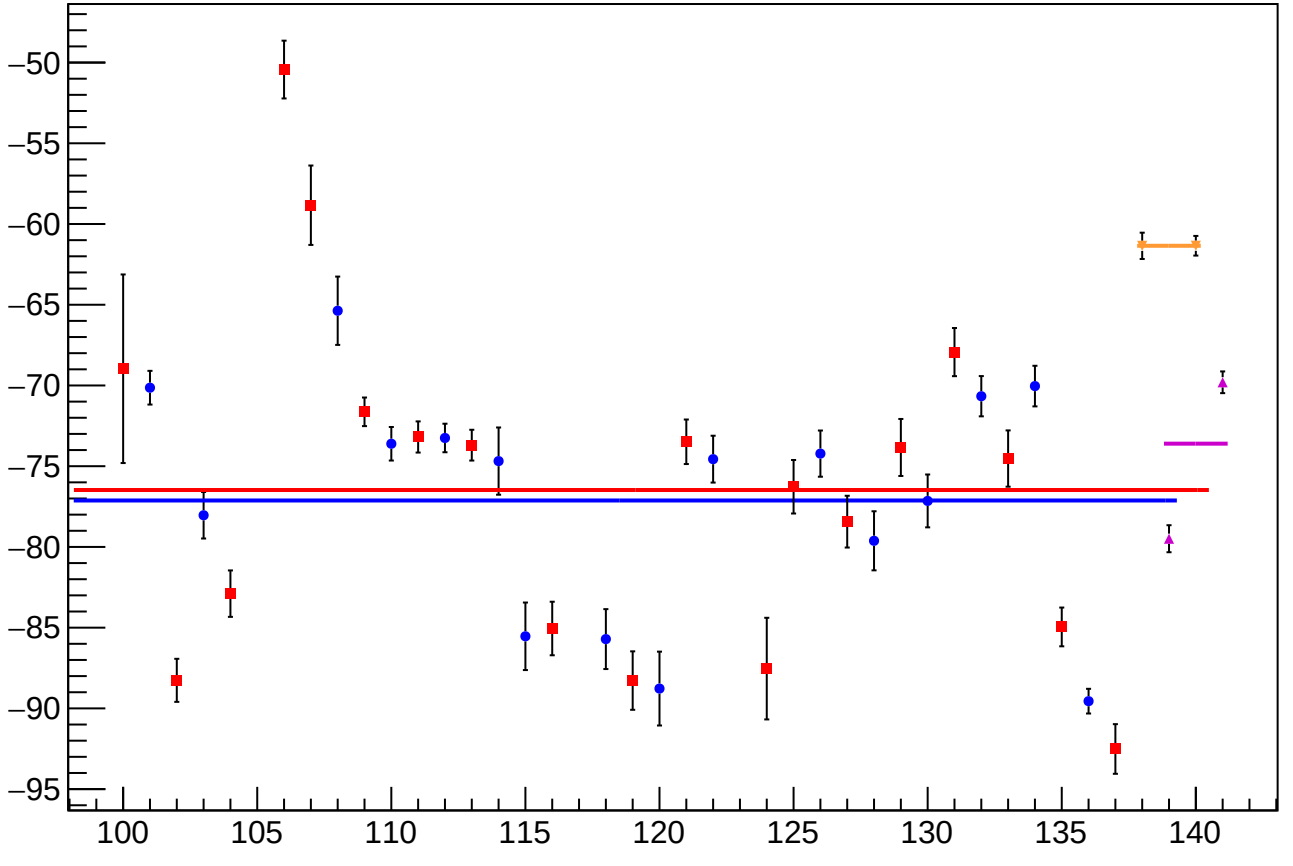
Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 4.193+/-0.258 χ^2/NDF:268.0/17

Out: 6.771+/-0.253 χ^2/NDF:531.4/20

All: 5.508+/-0.180 χ^2/NDF: 850.5/38

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -61.348+/-0.488 χ^2/NDF:0.0/1

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -73.604+/-0.524 χ^2/NDF:81.4/1

Left: -67.033+/-0.357 χ^2/NDF: 374.5/3

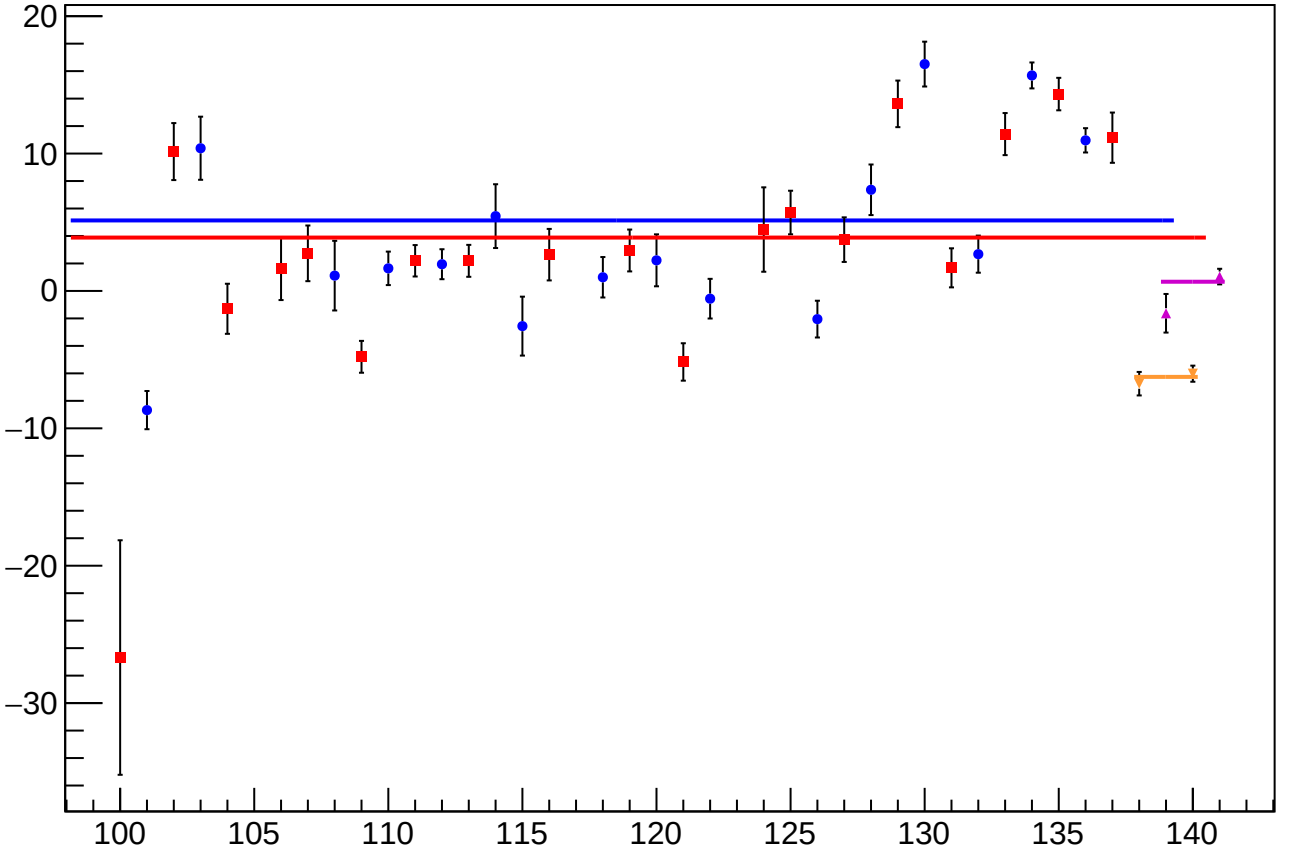
Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -76.141+/-0.277 χ^2/NDF:617.2/17

Out: -71.753+/-0.272 χ^2/NDF:1357.8/20

All: -73.910+/-0.194 χ^2/NDF: 2102.5/38

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: -6.256+/-0.484 χ^2/NDF:0.5/1

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 0.670+/-0.526 χ^2/NDF:3.1/1

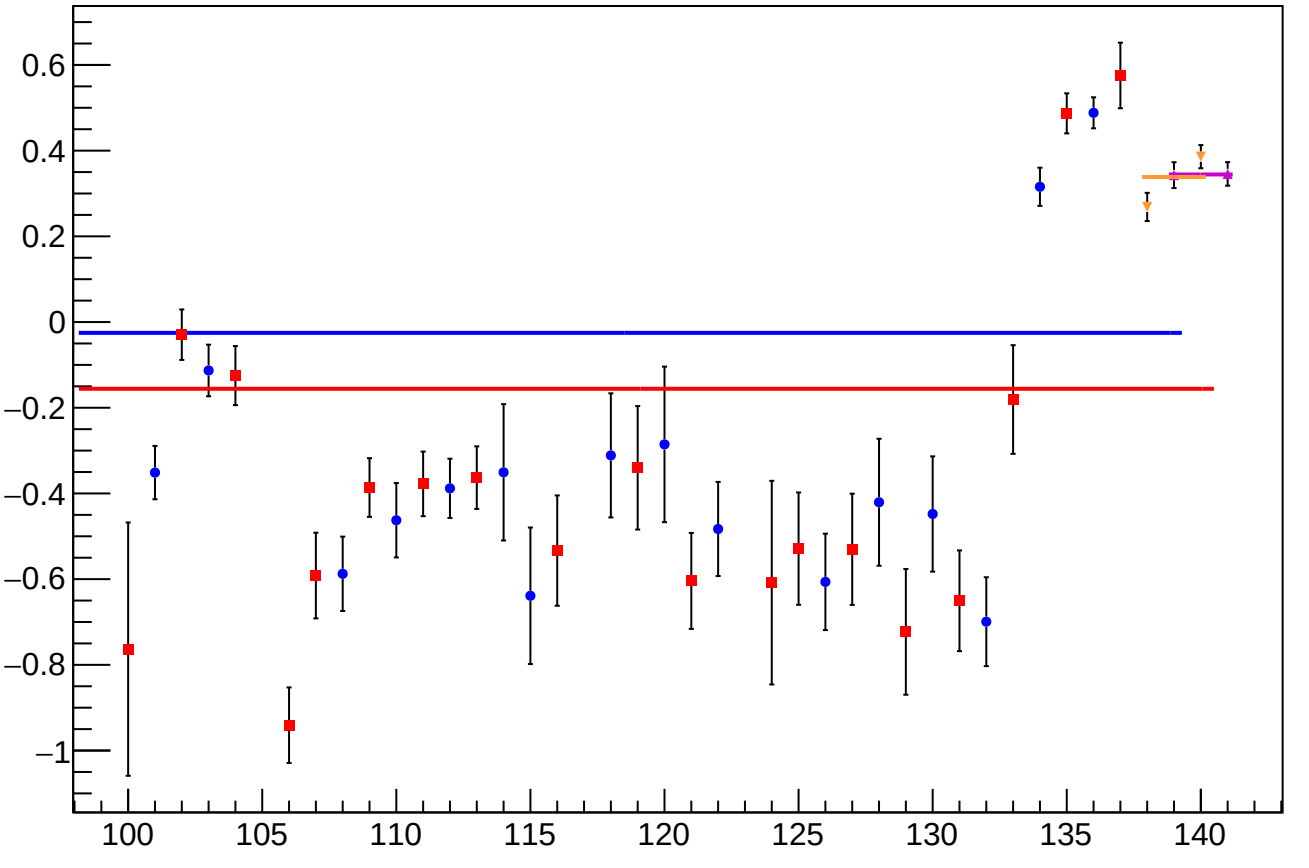
Left: -3.085+/-0.356 χ^2/NDF: 97.5/3

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 3.765+/-0.291 χ^2/NDF:465.3/17

Out: 0.251+/-0.290 χ^2/NDF:574.0/20

All: 1.998+/-0.205 χ^2/NDF: 1112.5/38



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.339+/-0.021 χ^2/NDF:7.6/1

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.344+/-0.020 χ^2/NDF:0.0/1

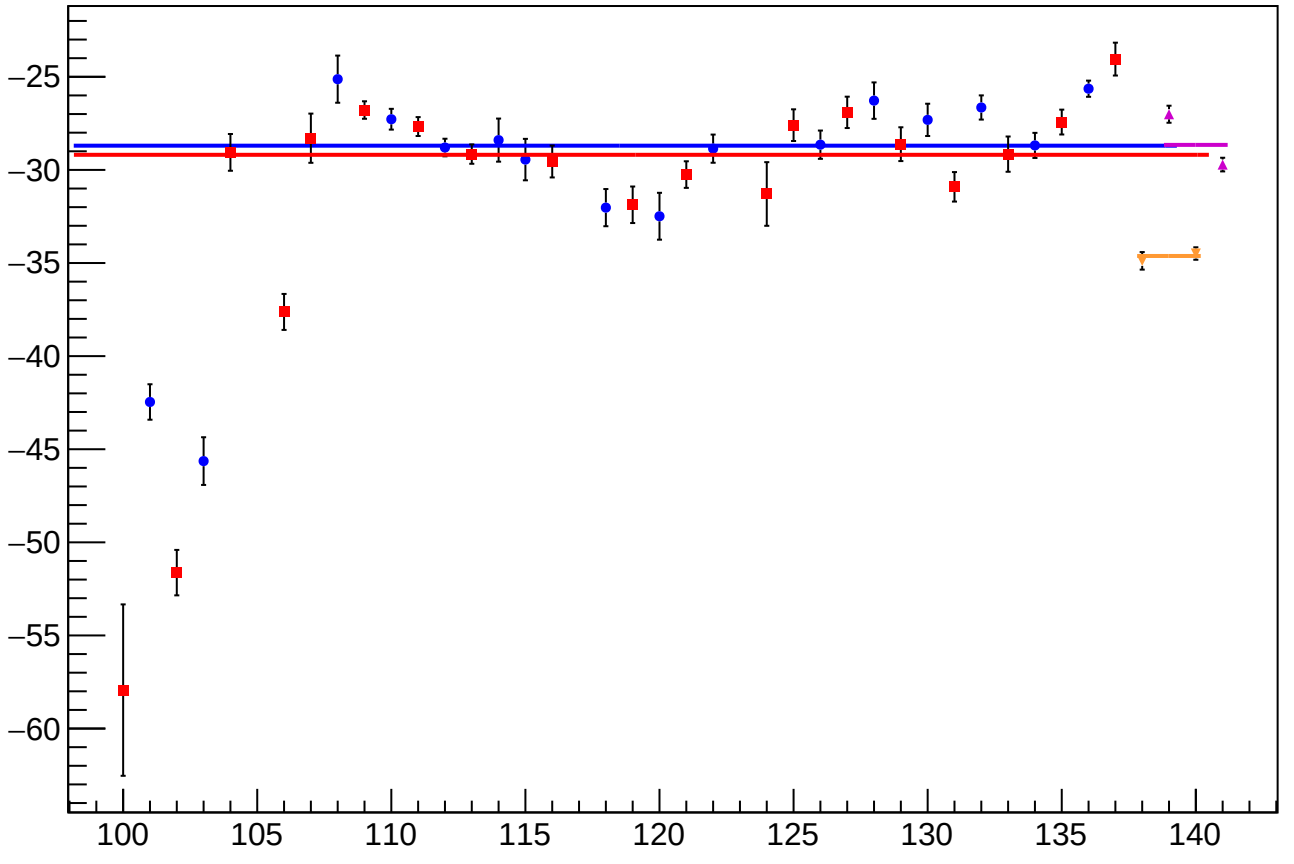
Left: 0.342+/-0.015 χ^2/NDF: 7.6/3

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.147+/-0.014 χ^2/NDF:689.5/17

Out: 0.083+/-0.015 χ^2/NDF:791.2/20

All: 0.116+/-0.010 χ^2/NDF: 1490.8/38



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -34.622+/-0.273 χ^2/NDF:0.5/1

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -28.656+/-0.286 χ^2/NDF:21.3/1

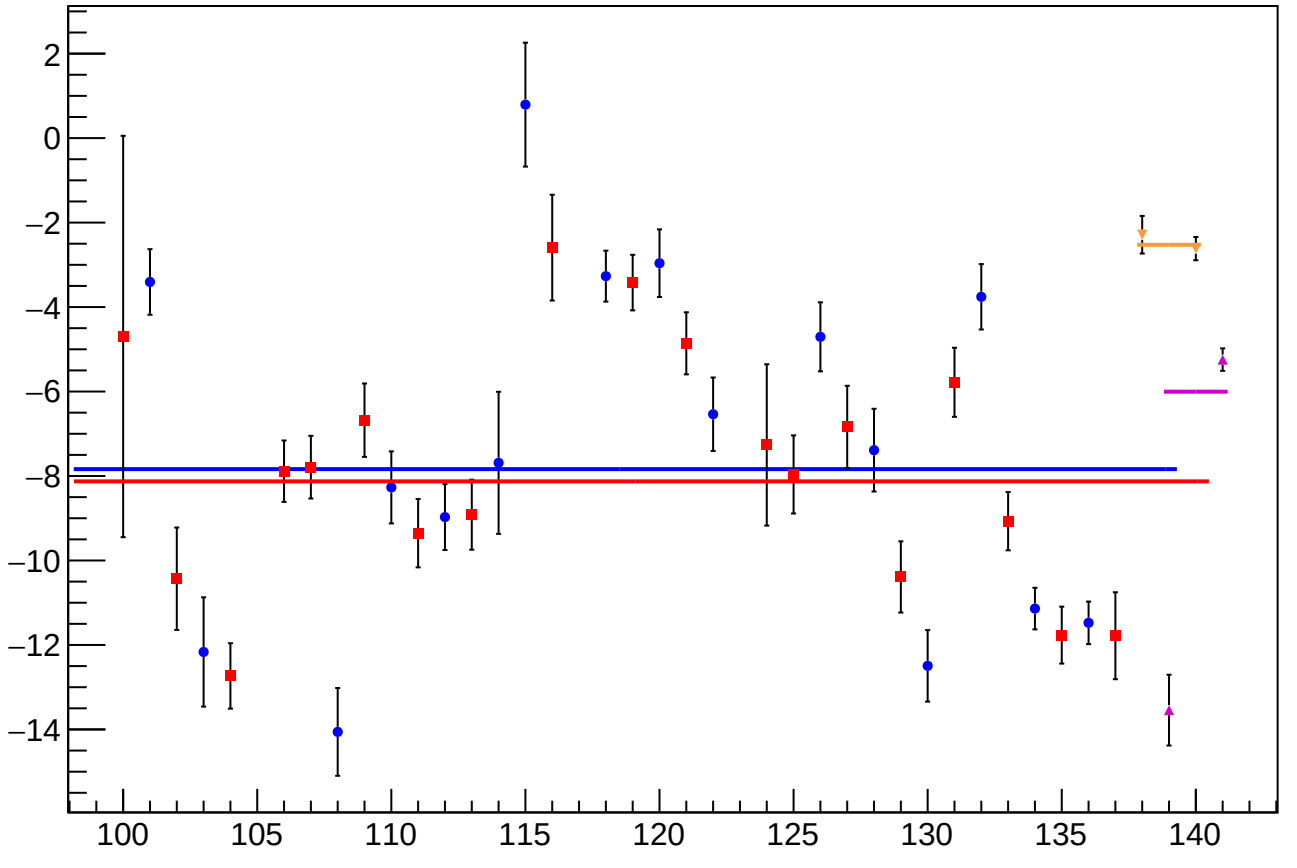
Left: -31.780+/-0.198 χ^2/NDF: 249.2/3

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -28.686+/-0.156 χ^2/NDF:508.6/17

Out: -30.850+/-0.151 χ^2/NDF:832.7/20

All: -29.803+/-0.108 χ^2/NDF: 1440.7/38



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -2.526+/-0.234 χ^2/NDF:0.4/1

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.004+/-0.254 χ^2/NDF:89.1/1

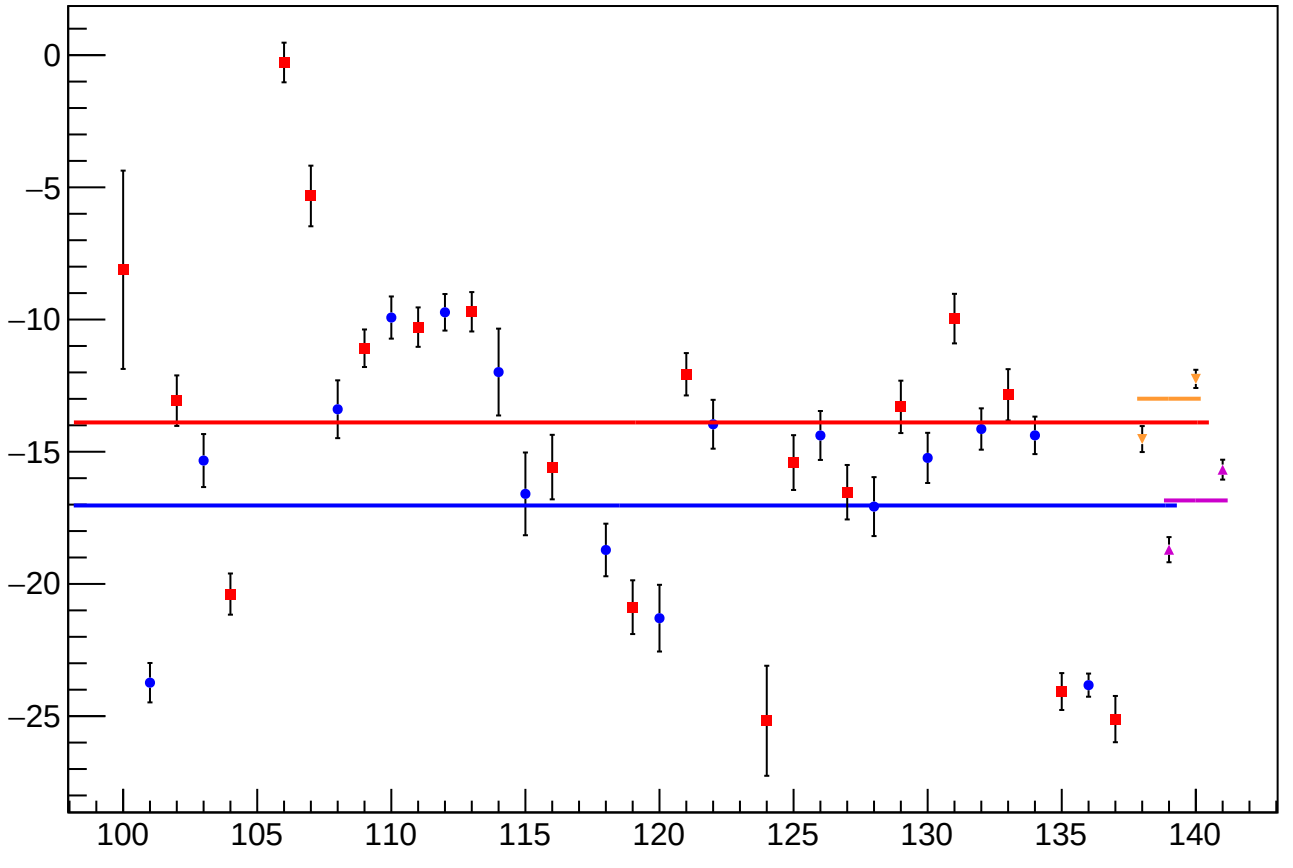
Left: -4.125+/-0.172 χ^2/NDF: 191.1/3

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.156+/-0.155 χ^2/NDF:505.2/17

Out: -5.808+/-0.151 χ^2/NDF:533.5/20

All: -6.464+/-0.108 χ^2/NDF: 1077.7/38



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -12.994+/-0.282 χ^2/NDF:14.4/1

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -16.842+/-0.295 χ^2/NDF:24.9/1

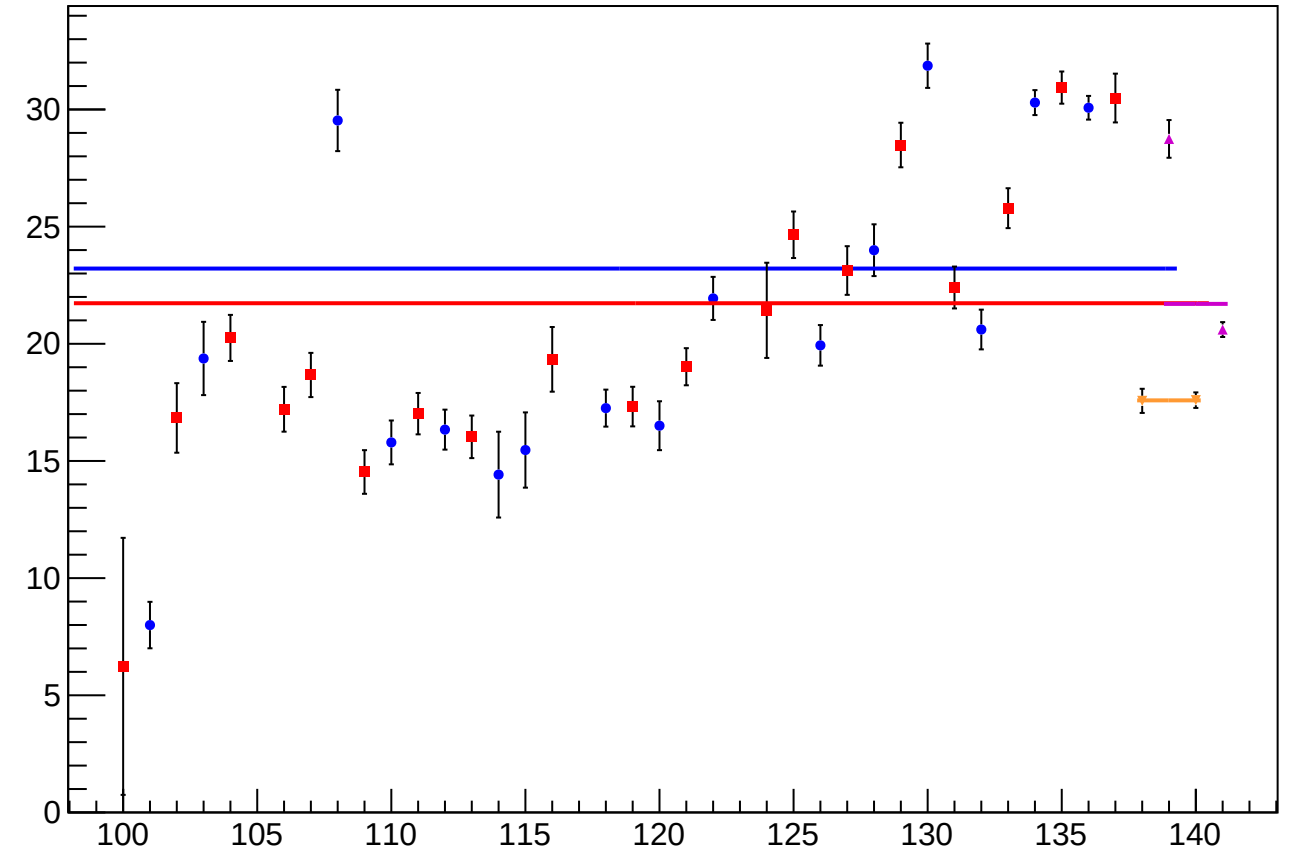
Left: -14.831+/-0.204 χ^2/NDF: 128.1/3

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -16.969+/-0.171 χ^2/NDF:626.3/17

Out: -13.573+/-0.168 χ^2/NDF:1038.3/20

All: -15.244+/-0.120 χ^2/NDF: 1865.5/38



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 17.586+/-0.279 χ^2/NDF:0.0/1

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 21.704+/-0.295 χ^2/NDF:88.4/1

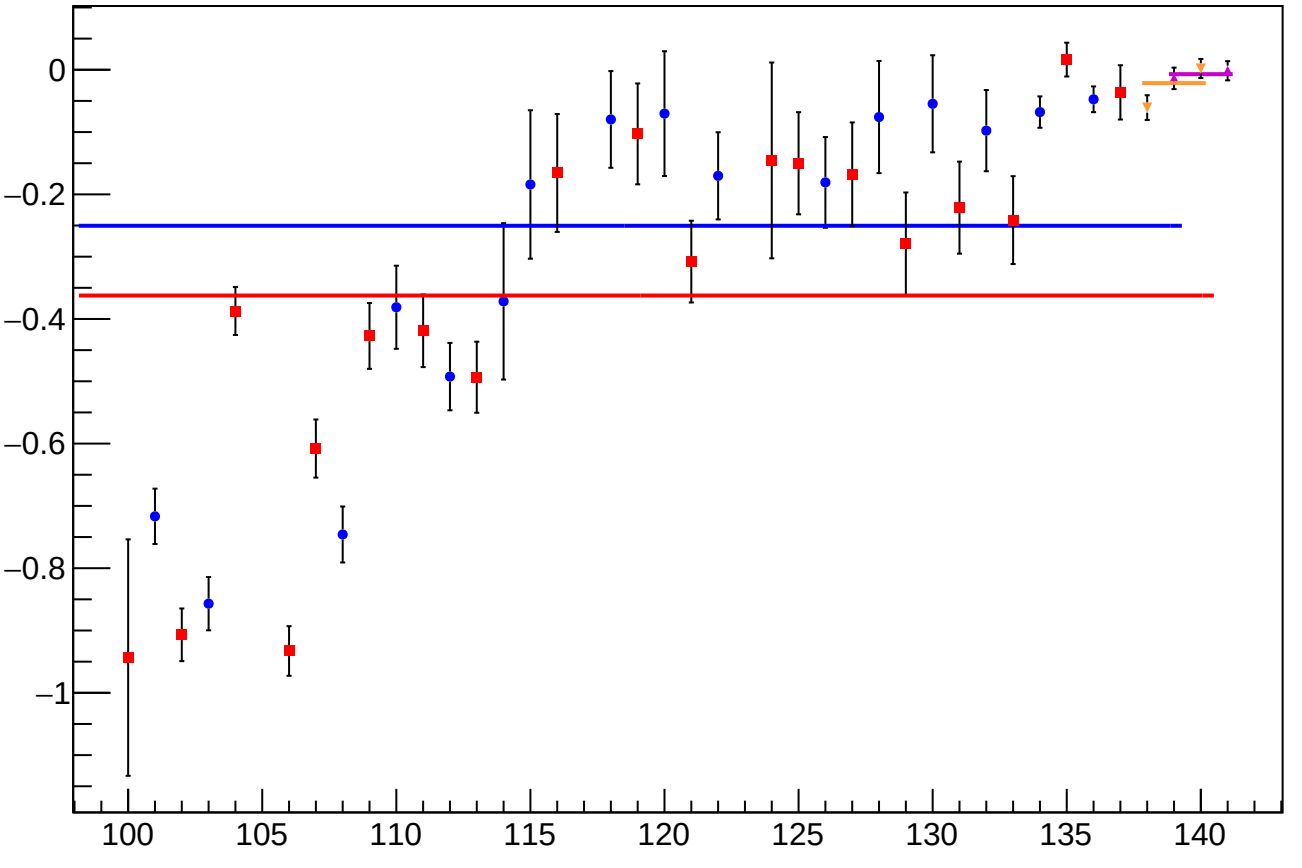
Left: 19.526+/-0.203 χ^2/NDF: 191.2/3

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.679+/-0.175 χ^2/NDF:1113.5/17

Out: 20.102+/-0.175 χ^2/NDF:692.4/20

All: 21.386+/-0.124 χ^2/NDF: 1914.2/38



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.021+/-0.012 χ^2/NDF:6.3/1

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.007+/-0.011 χ^2/NDF:0.3/1

Left: -0.014+/-0.008 χ^2/NDF: 7.3/3

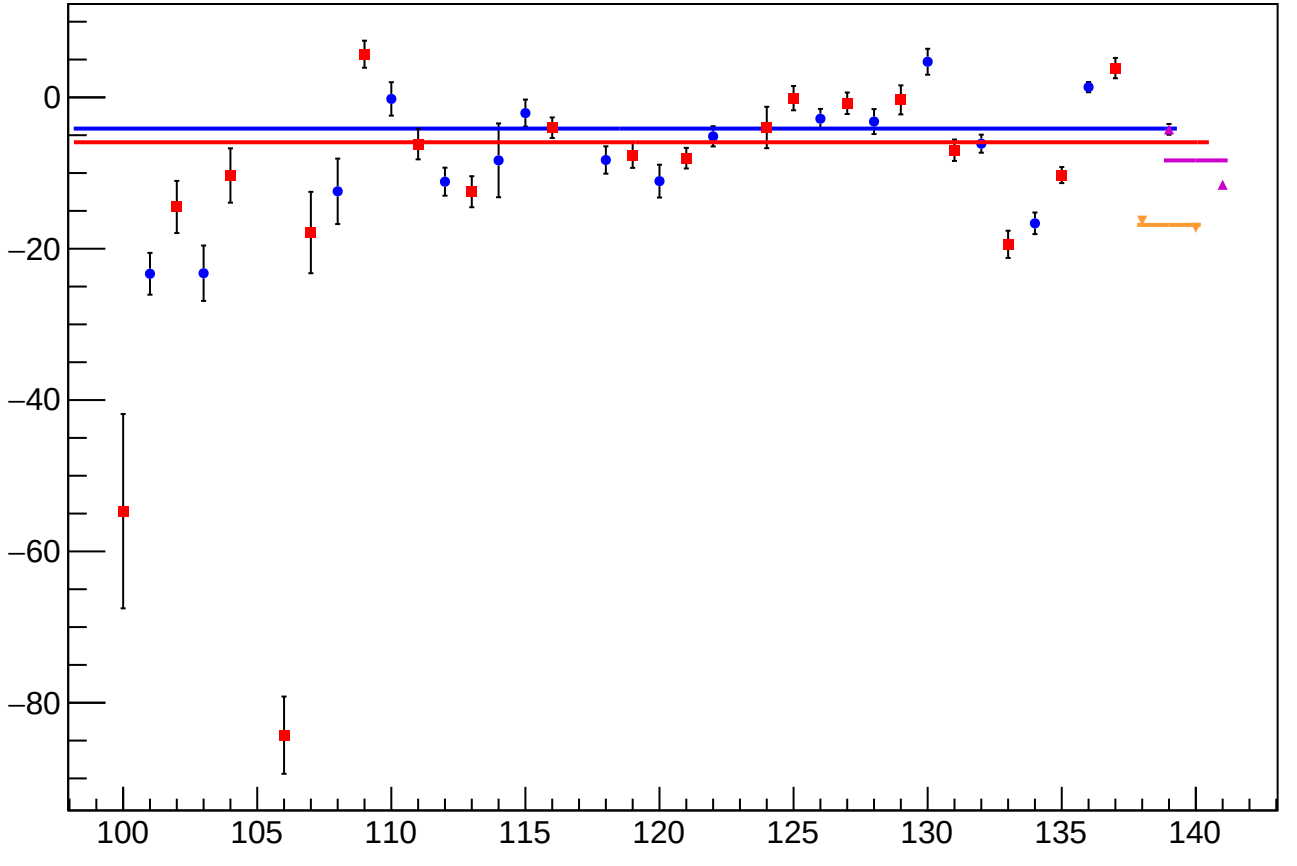
Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.127+/-0.008 χ^2/NDF:855.0/17

Out: -0.189+/-0.009 χ^2/NDF:1098.7/20

All: -0.156+/-0.006 χ^2/NDF: 1980.8/38

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -16.854+/-0.428 χ^2/NDF:1.2/1

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -8.330+/-0.470 χ^2/NDF:59.9/1

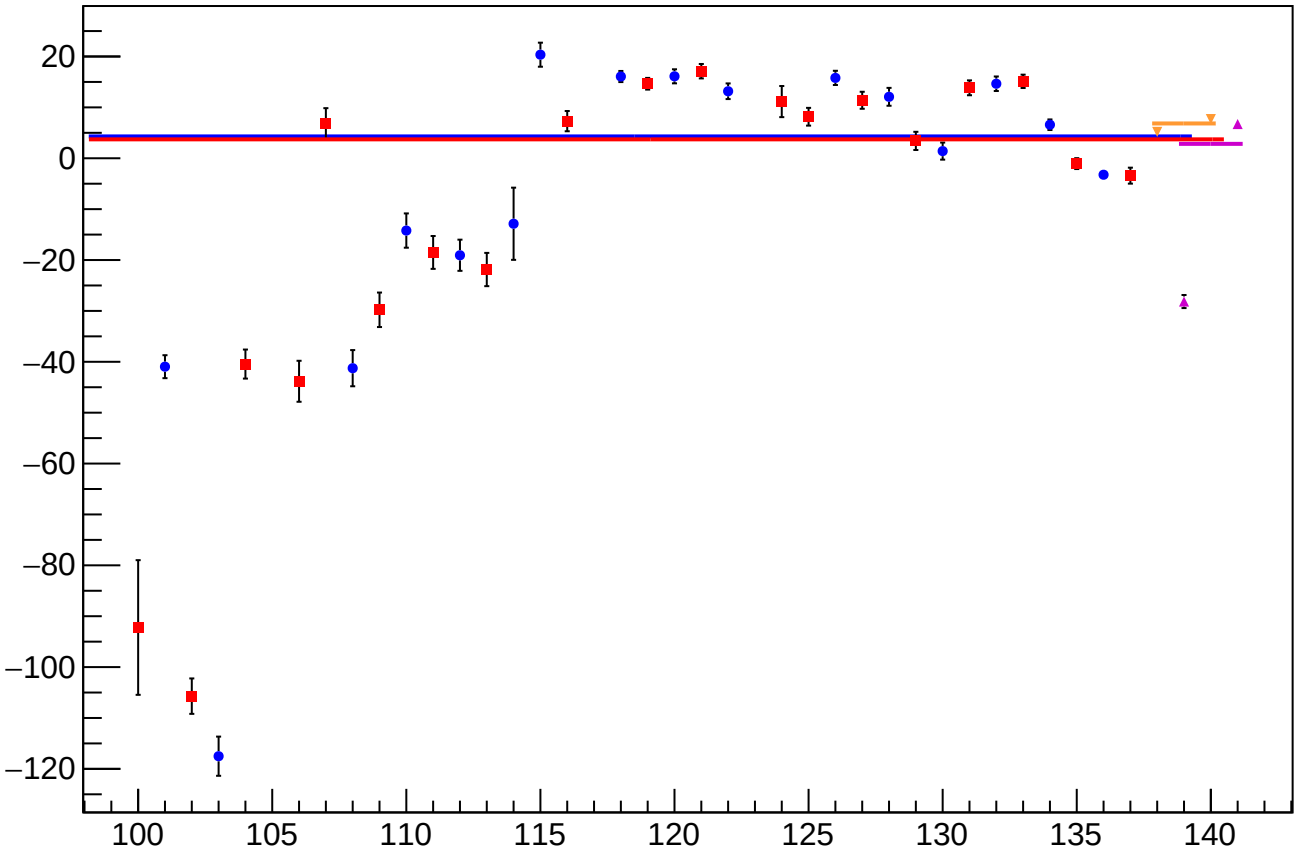
Left: -12.991+/-0.316 χ^2/NDF: 241.1/3

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -5.797+/-0.296 χ^2/NDF:396.1/17

Out: -11.133+/-0.295 χ^2/NDF:825.7/20

All: -8.475+/-0.209 χ^2/NDF: 1384.6/38



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.841+/-0.372 χ^2/NDF:10.3/1

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 2.831+/-0.430 χ^2/NDF:653.8/1

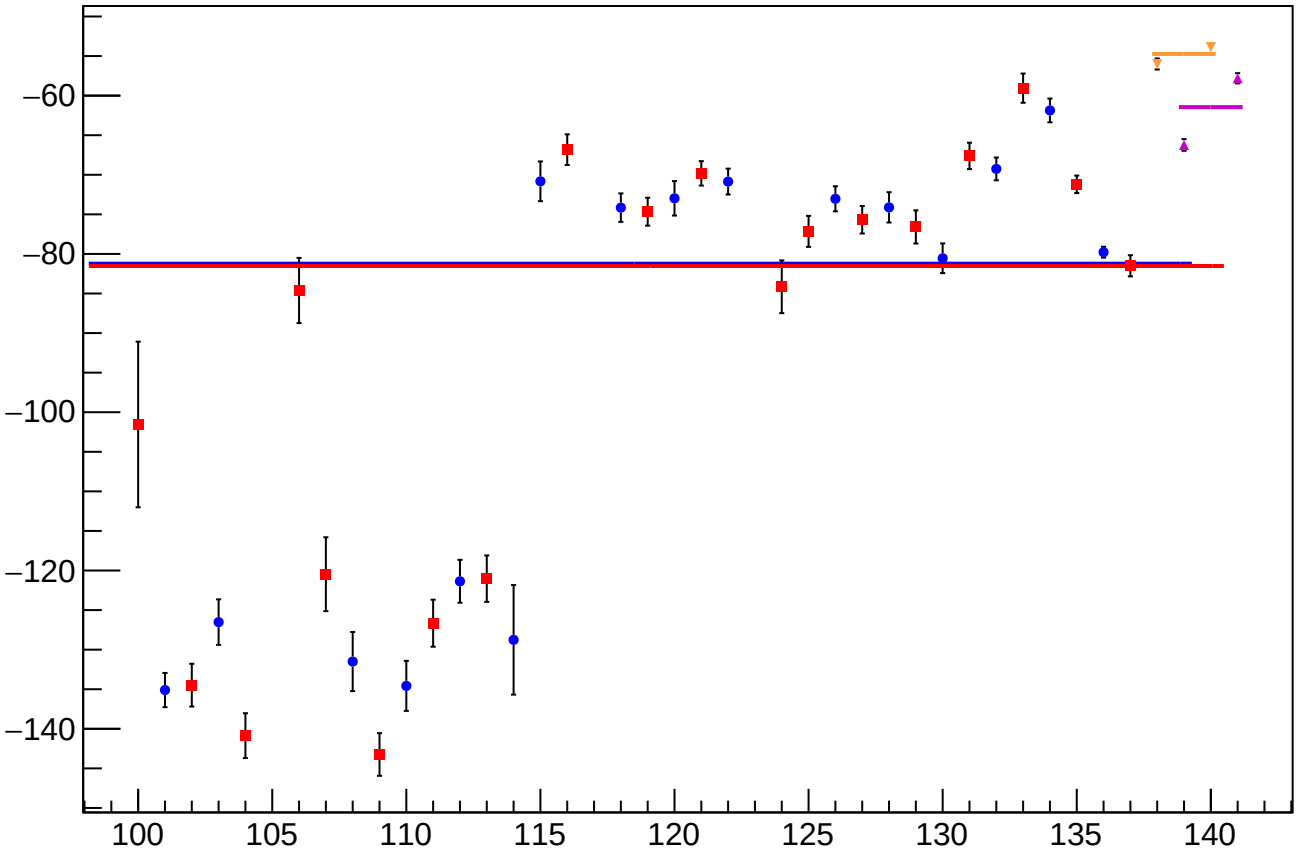
Left: 5.122+/-0.281 χ^2/NDF: 713.8/3

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 3.641+/-0.287 χ^2/NDF:2829.3/17

Out: 5.476+/-0.279 χ^2/NDF:2048.3/20

All: 4.583+/-0.200 χ^2/NDF: 4898.6/38



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -54.733+/-0.442 χ^2/NDF:5.5/1

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -61.448+/-0.485 χ^2/NDF:74.1/1

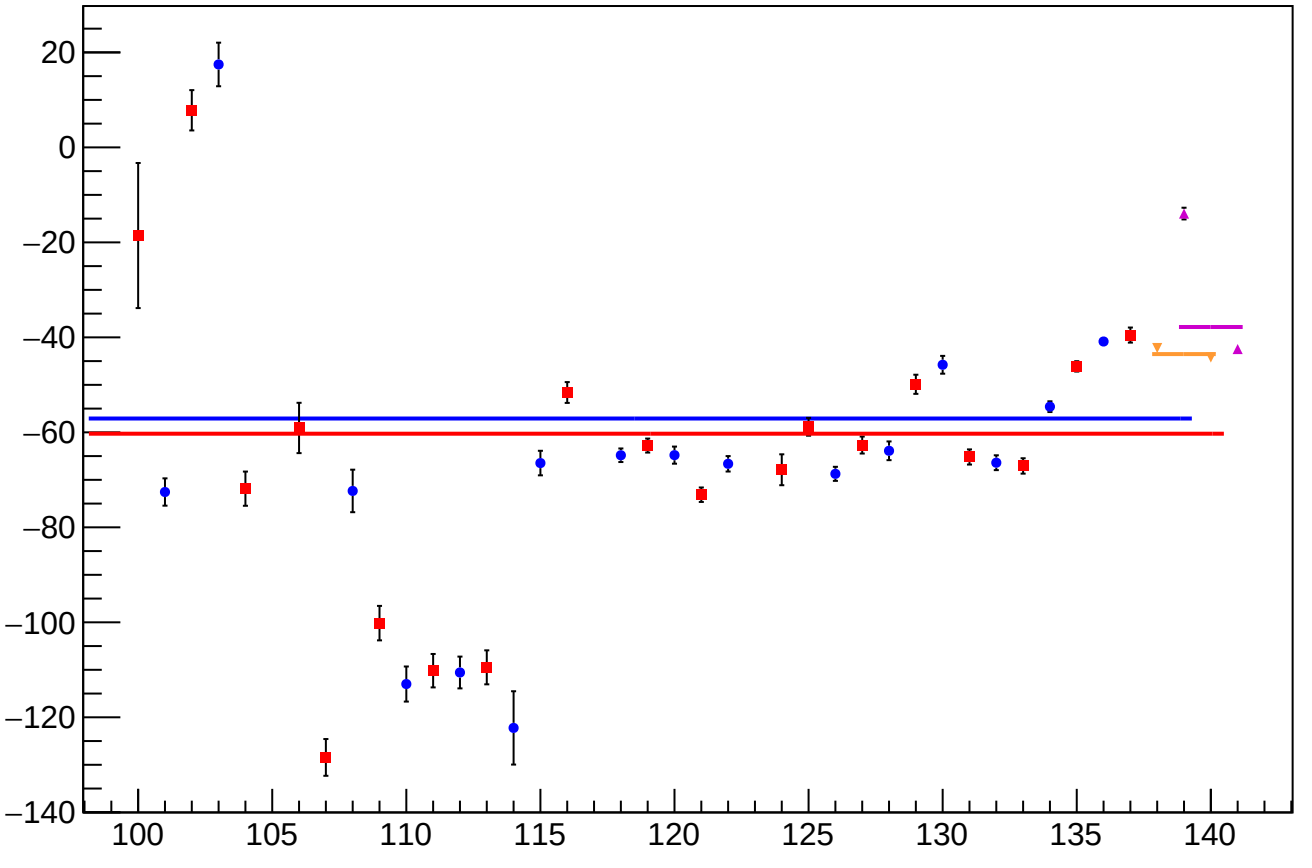
Left: -57.781+/-0.327 χ^2/NDF: 184.3/3

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -72.827+/-0.316 χ^2/NDF:3002.1/17

Out: -67.552+/-0.319 χ^2/NDF:4055.2/20

All: -70.216+/-0.225 χ^2/NDF: 7195.1/38



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -43.521+/-0.442 χ^2/NDF:4.7/1

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -37.818+/-0.498 χ^2/NDF:447.5/1

Left: -41.007+/-0.331 χ^2/NDF: 525.6/3

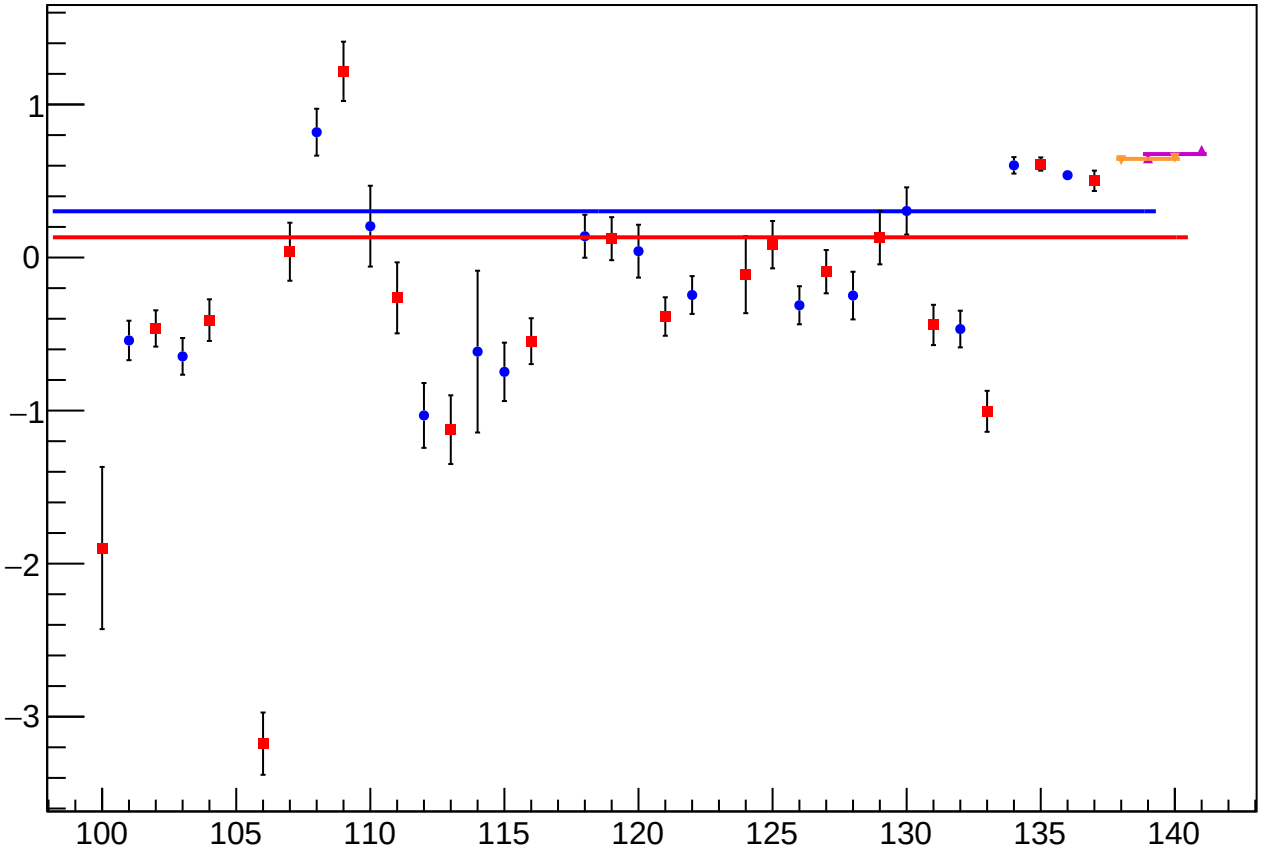
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -48.947+/-0.324 χ^2/NDF:2839.9/17

Out: -51.390+/-0.322 χ^2/NDF:2267.8/20

All: -50.174+/-0.228 χ^2/NDF: 5136.3/38

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.645+/-0.019 χ^2/NDF:0.2/1

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.676+/-0.019 χ^2/NDF:2.1/1

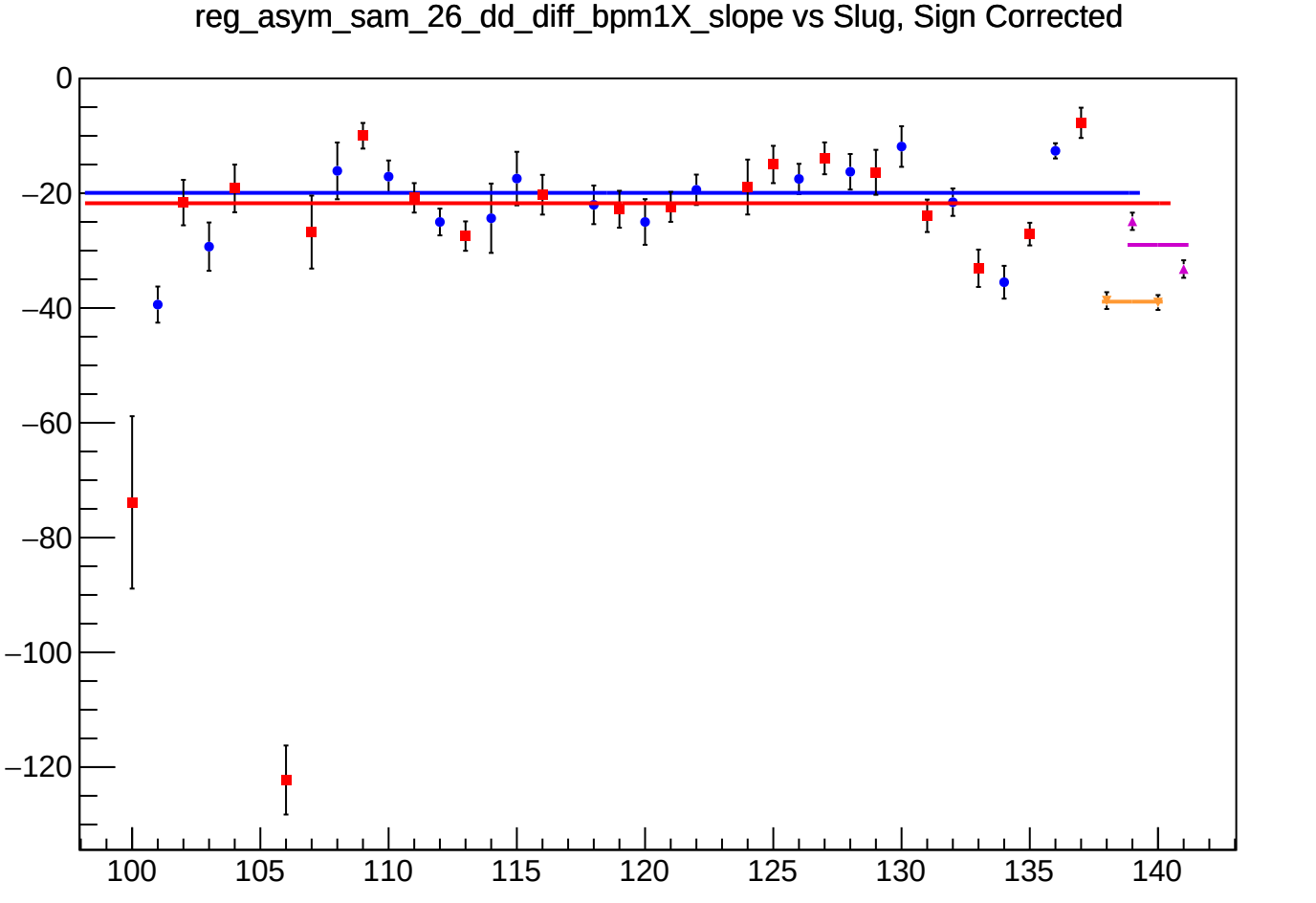
Left: 0.661+/-0.013 χ^2/NDF: 3.7/3

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.527+/-0.014 χ^2/NDF:536.7/17

Out: 0.472+/-0.015 χ^2/NDF:920.4/20

All: 0.501+/-0.011 χ^2/NDF: 1464.0/38



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -38.894+/-0.969 χ^2/NDF:0.0/1

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -29.001+/-1.074 χ^2/NDF:15.0/1

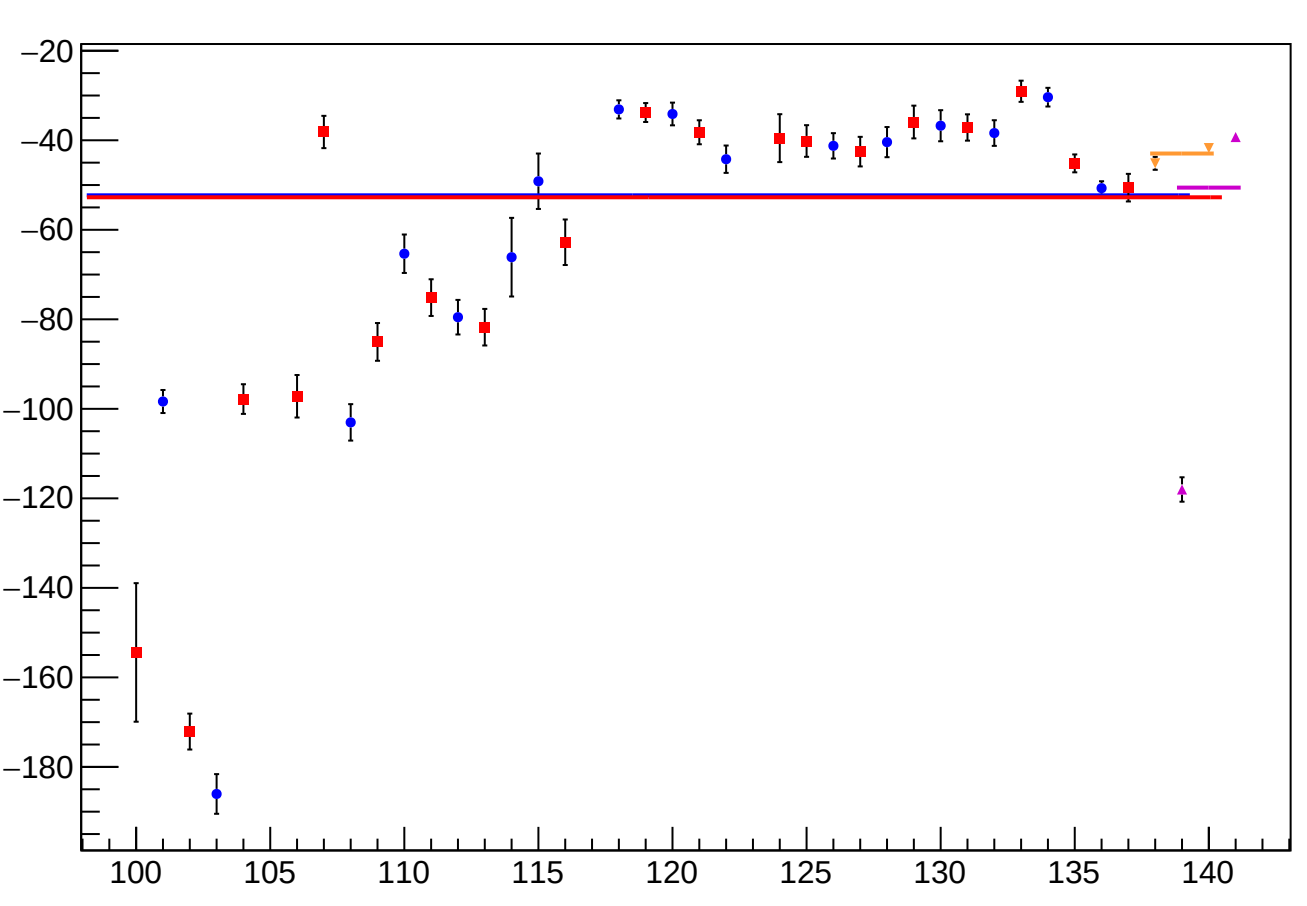
Left: -34.452+/-0.719 χ^2/NDF: 61.8/3

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -22.611+/-0.583 χ^2/NDF:185.8/17

Out: -27.775+/-0.575 χ^2/NDF:591.3/20

All: -25.231+/-0.409 χ^2/NDF: 816.9/38



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -42.959+/-0.863 χ^2/NDF:3.6/1

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -50.577+/-1.033 χ^2/NDF:714.4/1

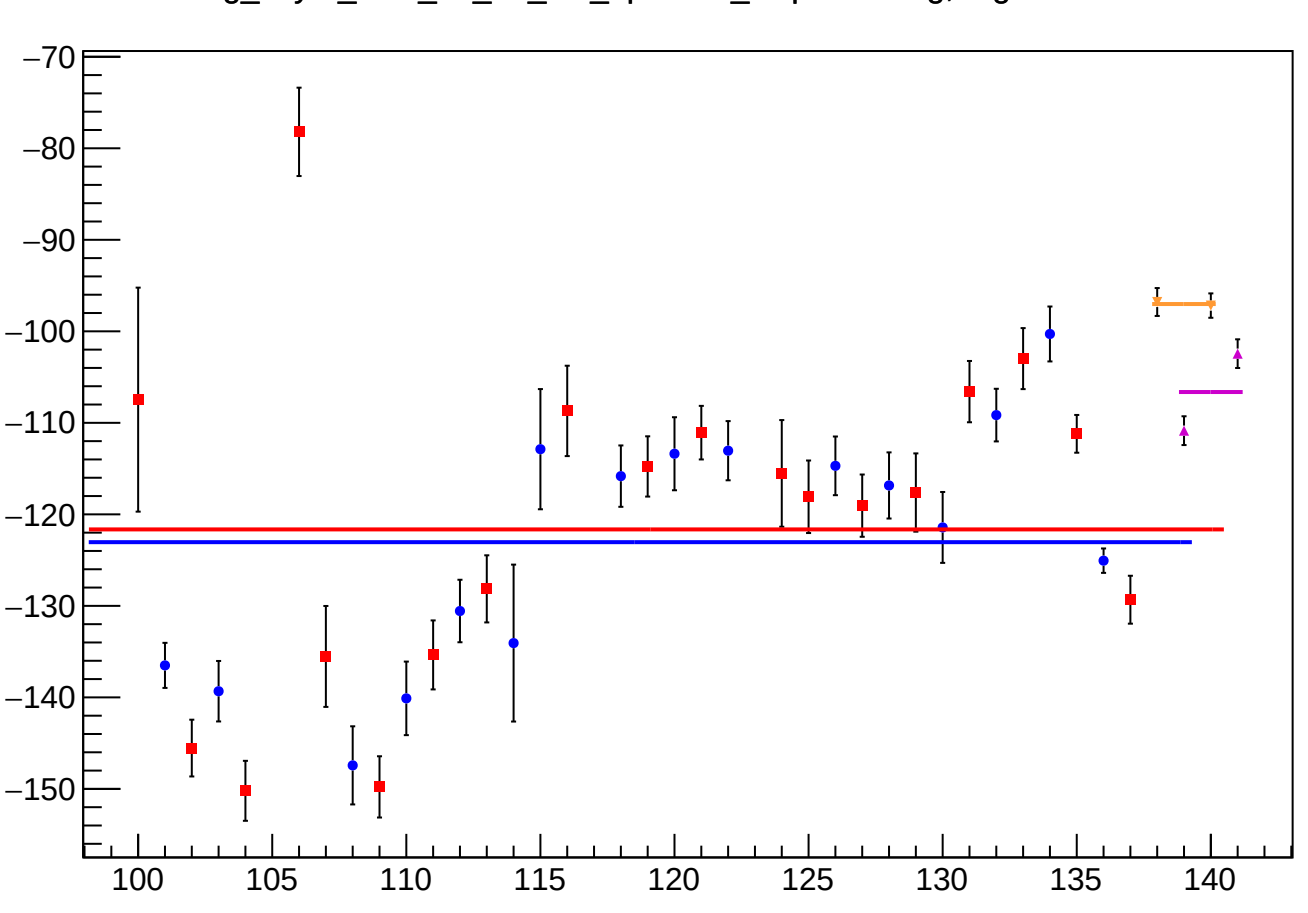
Left: -46.093+/-0.662 χ^2/NDF: 749.9/3

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

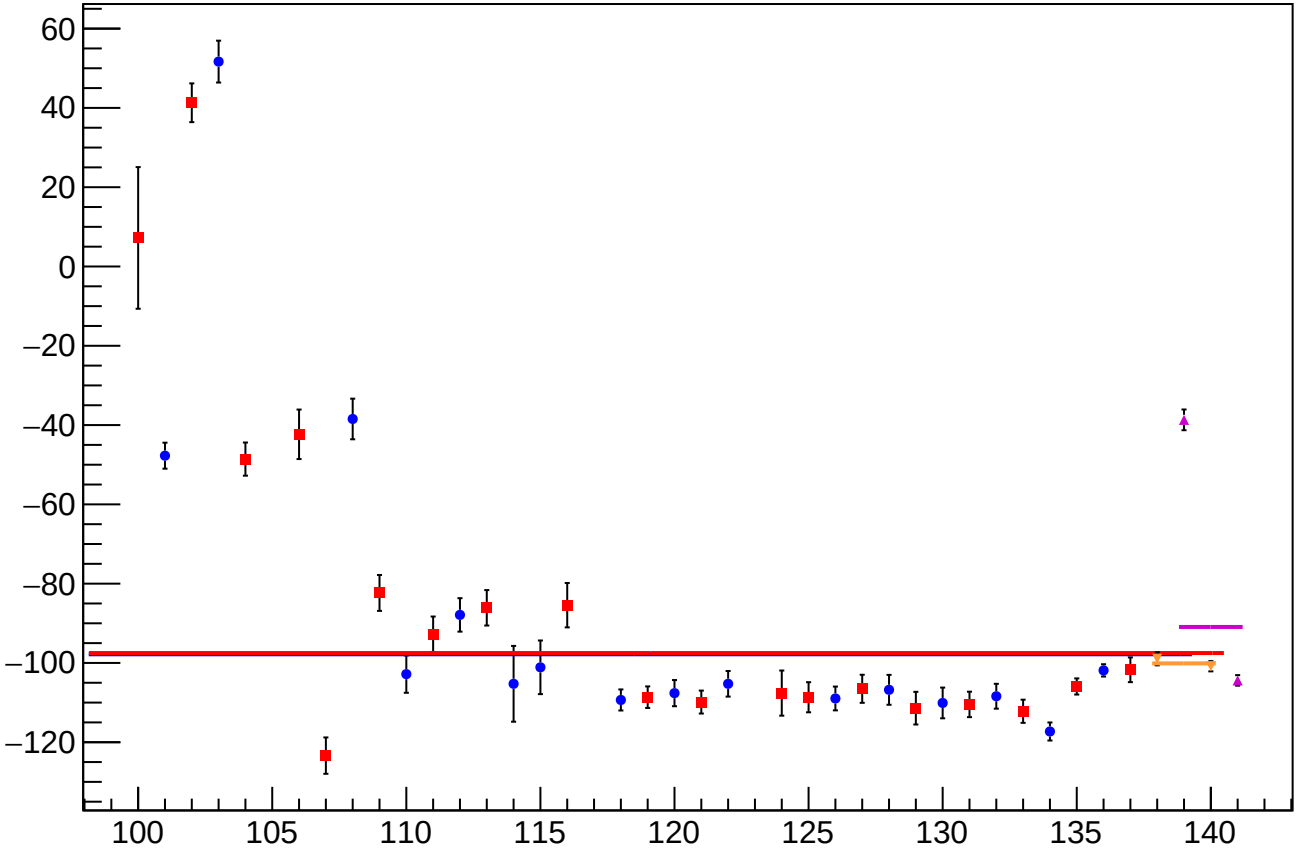
In: -51.747+/-0.584 χ^2/NDF:2494.4/17

Out: -48.543+/-0.565 χ^2/NDF:1739.3/20

All: -50.093+/-0.406 χ^2/NDF: 4249.3/38


reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−70
−80
−90
−100
−110
−120
−130
−140
−150
100
105
110
115
120
125
130
135
140
Right In: -123.039+/-0.750 χ2/NDF: 226.8/15
Left Out: -97.018+/-1.003 χ2/NDF:0.0/1
Right Out: -121.646+/-0.801 χ2/NDF: 424.5/18
Left In: -106.633+/-1.110 χ2/NDF:14.4/1
Left: -101.340+/-0.744 χ2/NDF: 55.7/3
Right: -122.388+/-0.548 χ2/NDF: 652.9/34
In: -117.898+/-0.621 χ2/NDF:391.1/17
Out: -112.053+/-0.626 χ2/NDF:792.6/20
All: -114.997+/-0.441 χ2/NDF: 1227.6/38

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -100.116+/-1.019 χ^2/NDF:0.8/1

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -90.923+/-1.185 χ^2/NDF:502.0/1

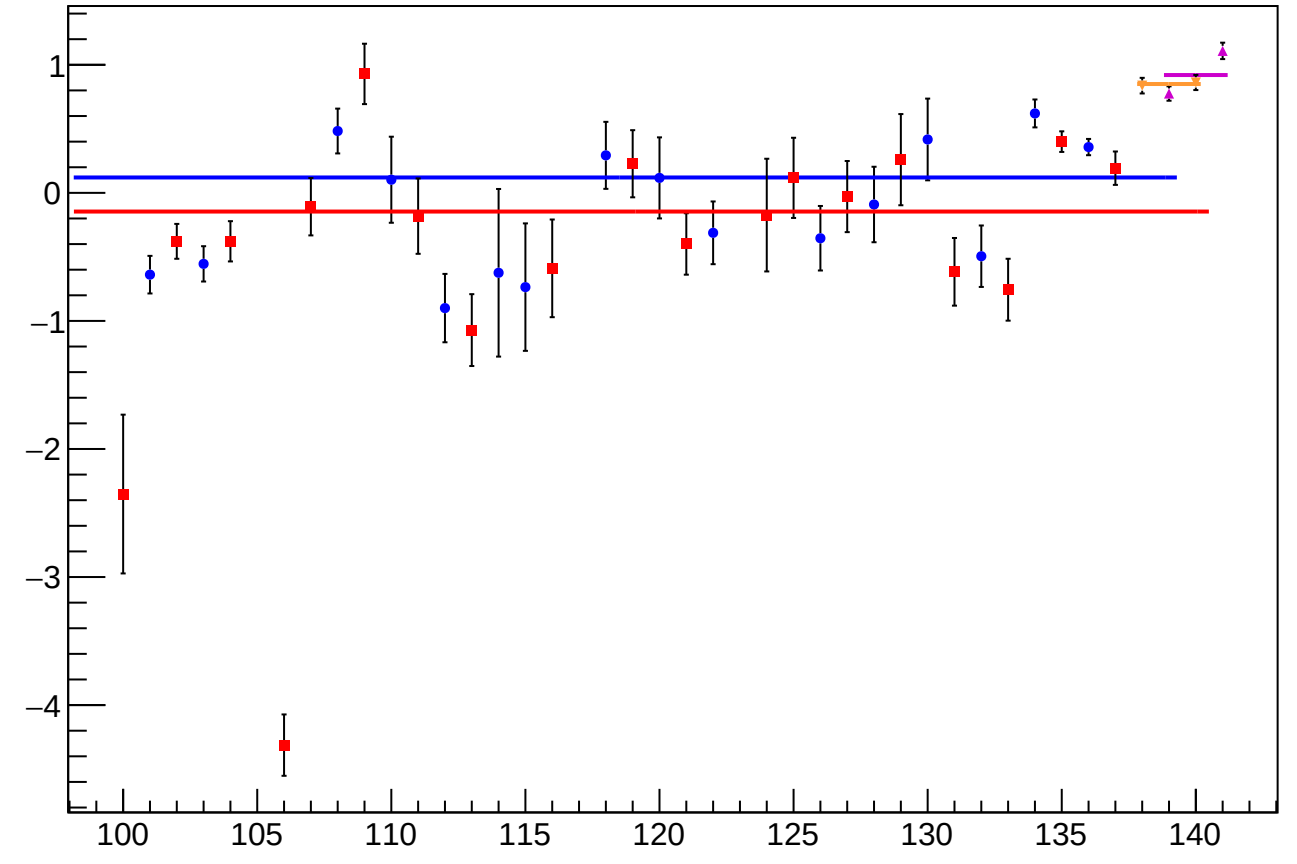
Left: -96.204+/-0.773 χ^2/NDF: 537.4/3

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -95.681+/-0.659 χ^2/NDF:1856.2/17

Out: -98.564+/-0.650 χ^2/NDF:1241.1/20

All: -97.144+/-0.463 χ^2/NDF: 3107.1/38



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.850+/-0.042 χ^2/NDF:0.1/1

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.920+/-0.042 χ^2/NDF:15.3/1

Left: 0.885+/-0.030 χ^2/NDF: 16.7/3

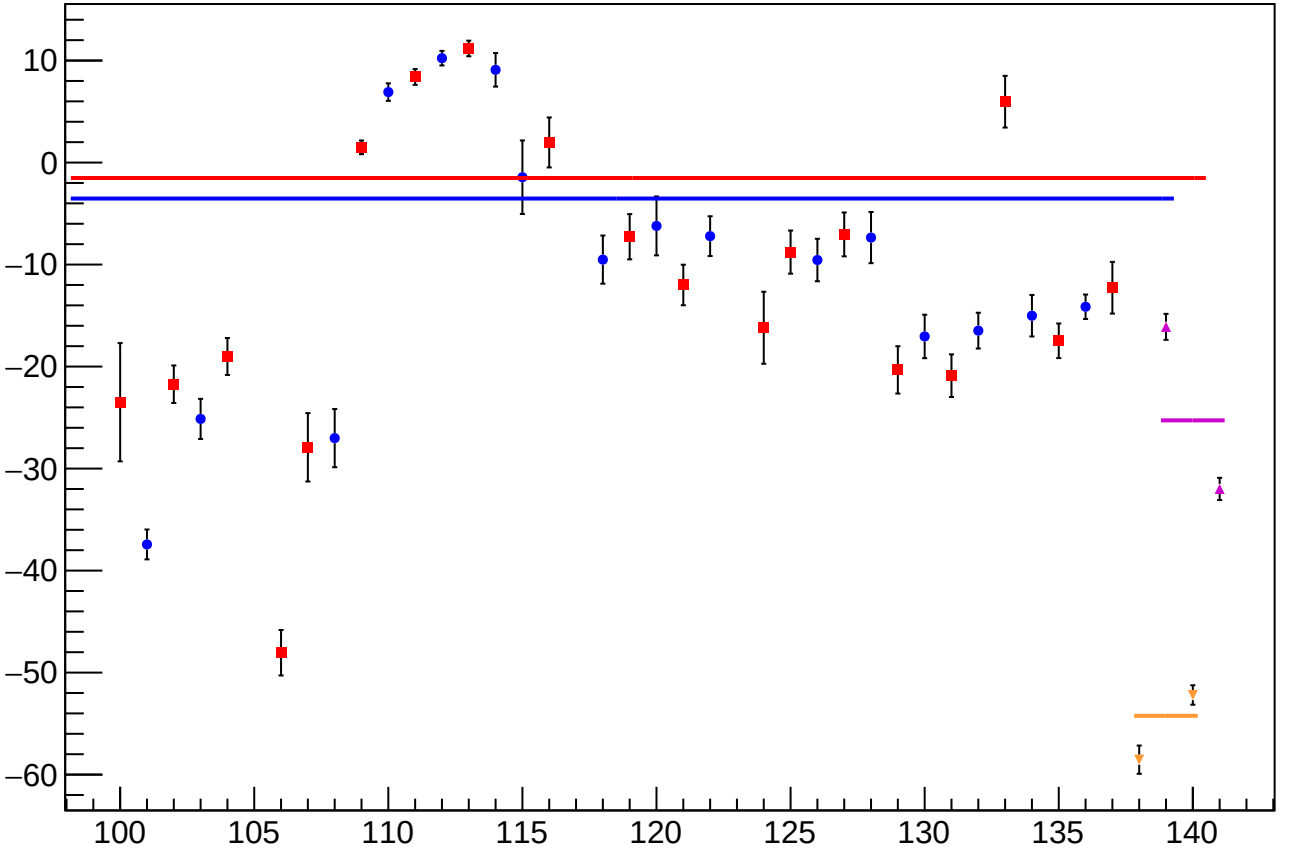
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.510+/-0.030 χ^2/NDF:322.9/17

Out: 0.380+/-0.031 χ^2/NDF:681.0/20

All: 0.448+/-0.021 χ^2/NDF: 1013.2/38

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -54.235+/-0.785 χ^2/NDF:14.2/1

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -25.273+/-0.828 χ^2/NDF:89.9/1

Left: -40.515+/-0.570 χ^2/NDF: 748.4/3

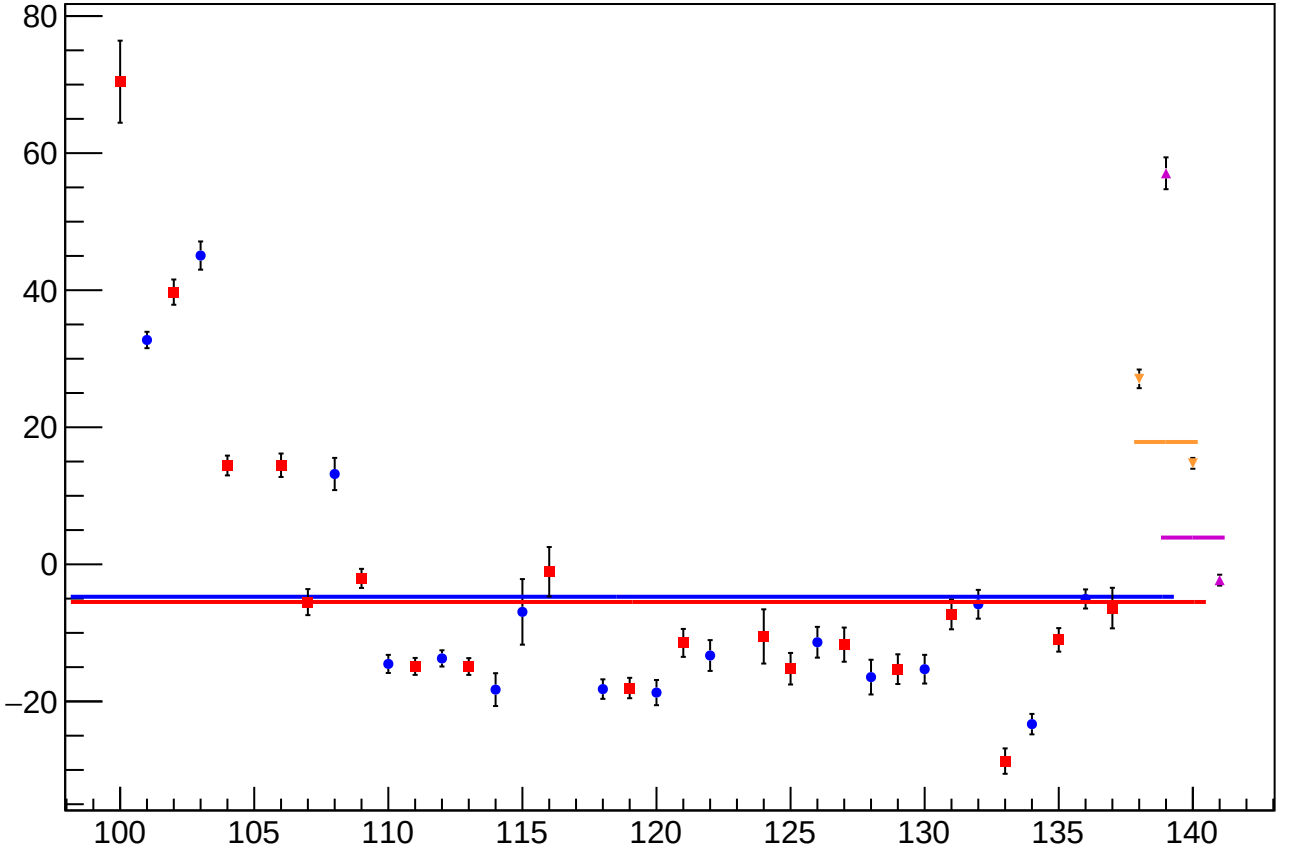
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -7.260+/-0.343 χ^2/NDF:2190.8/17

Out: -9.771+/-0.311 χ^2/NDF:5339.8/20

All: -8.638+/-0.230 χ^2/NDF: 7560.0/38

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: 17.855+/-0.683 χ^2/NDF:61.5/1

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: 3.907+/-0.752 χ^2/NDF:584.1/1

Left: 11.550+/-0.506 χ^2/NDF: 834.1/3

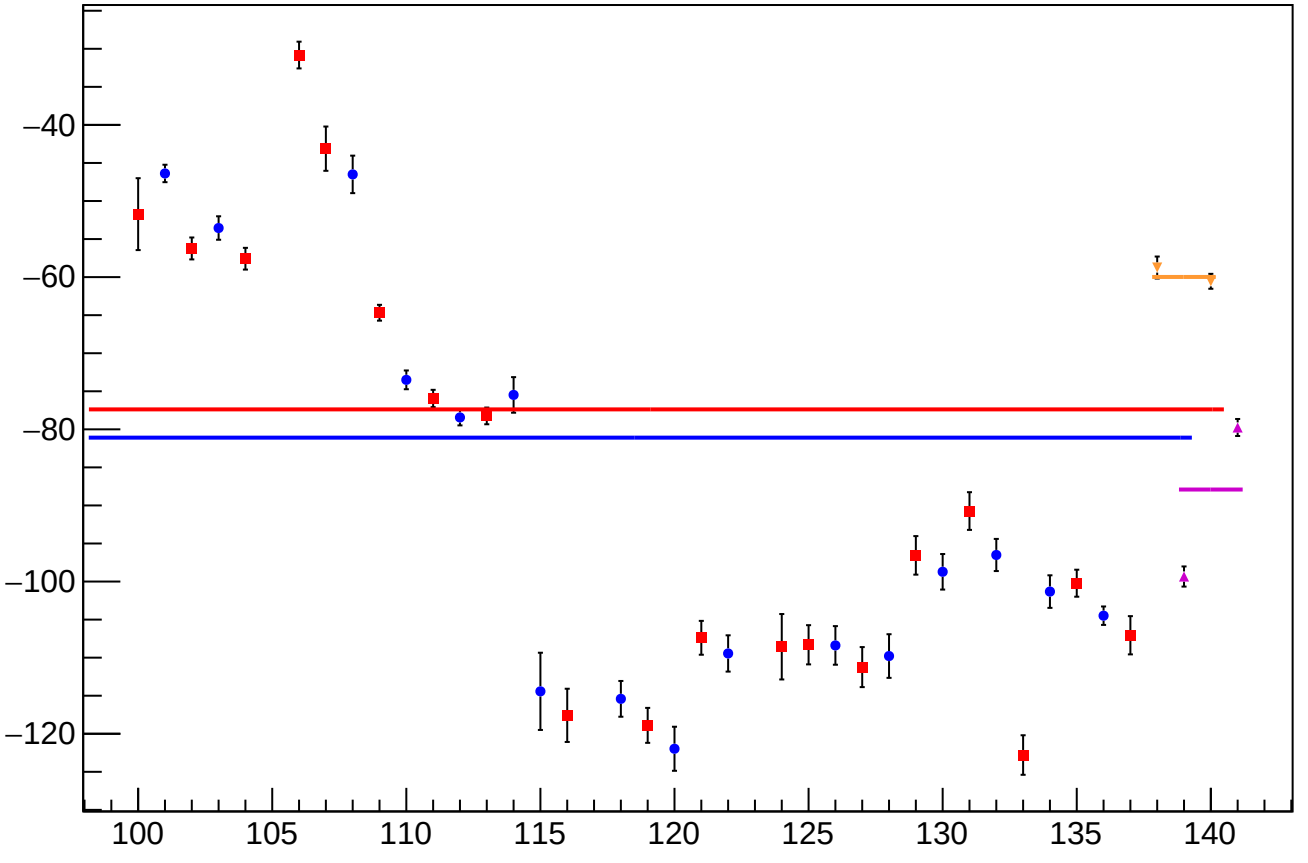
Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -2.595+/-0.374 χ^2/NDF:2831.4/17

Out: 0.960+/-0.359 χ^2/NDF:2415.4/20

All: -0.746+/-0.259 χ^2/NDF: 5293.9/38

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -59.979+/-0.811 χ^2/NDF:1.1/1

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -87.909+/-0.854 χ^2/NDF:127.7/1

Left: -73.226+/-0.588 χ^2/NDF: 690.8/3

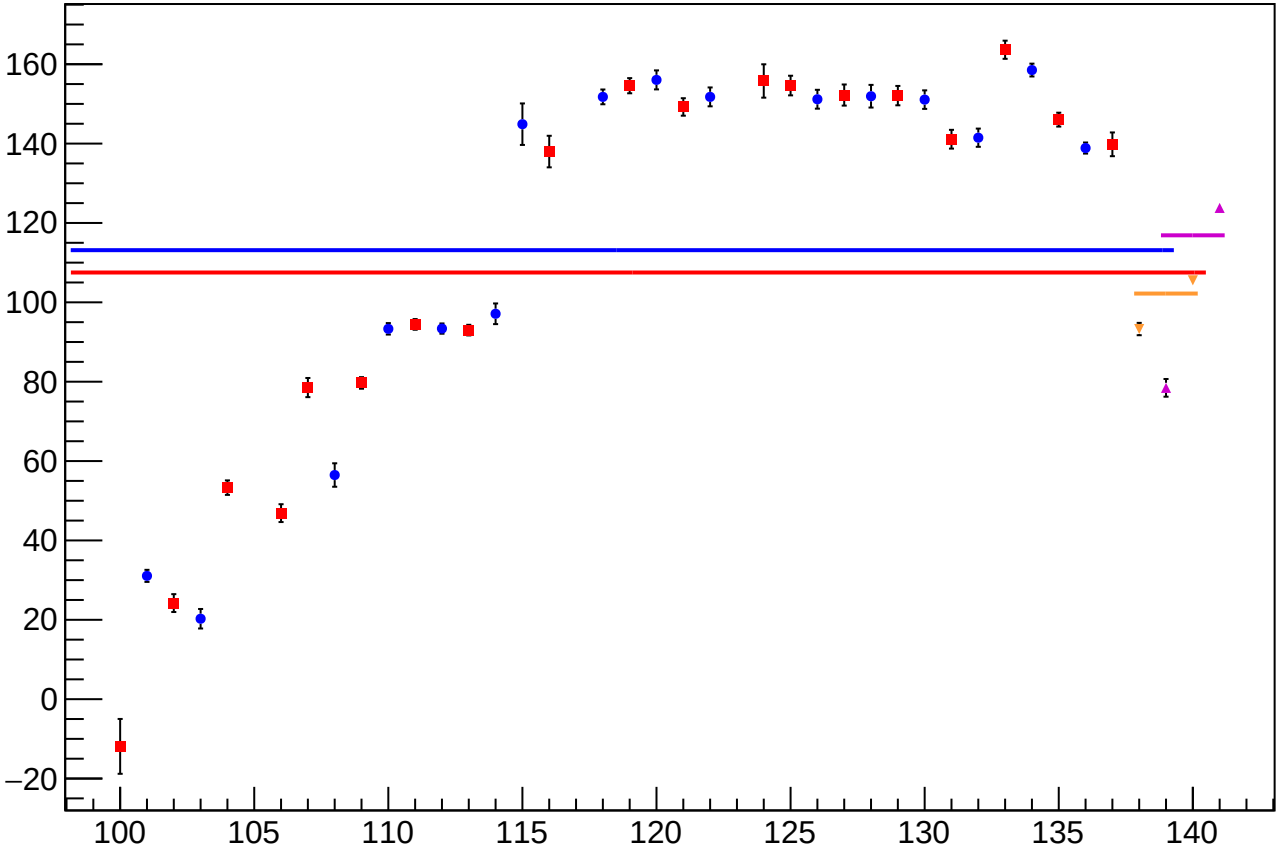
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -82.513+/-0.390 χ^2/NDF:3048.4/17

Out: -73.746+/-0.371 χ^2/NDF:3494.6/20

All: -77.908+/-0.269 χ^2/NDF: 6808.4/38

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 102.210+/-0.811 χ^2/NDF:45.3/1

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 116.886+/-0.871 χ^2/NDF:350.0/1

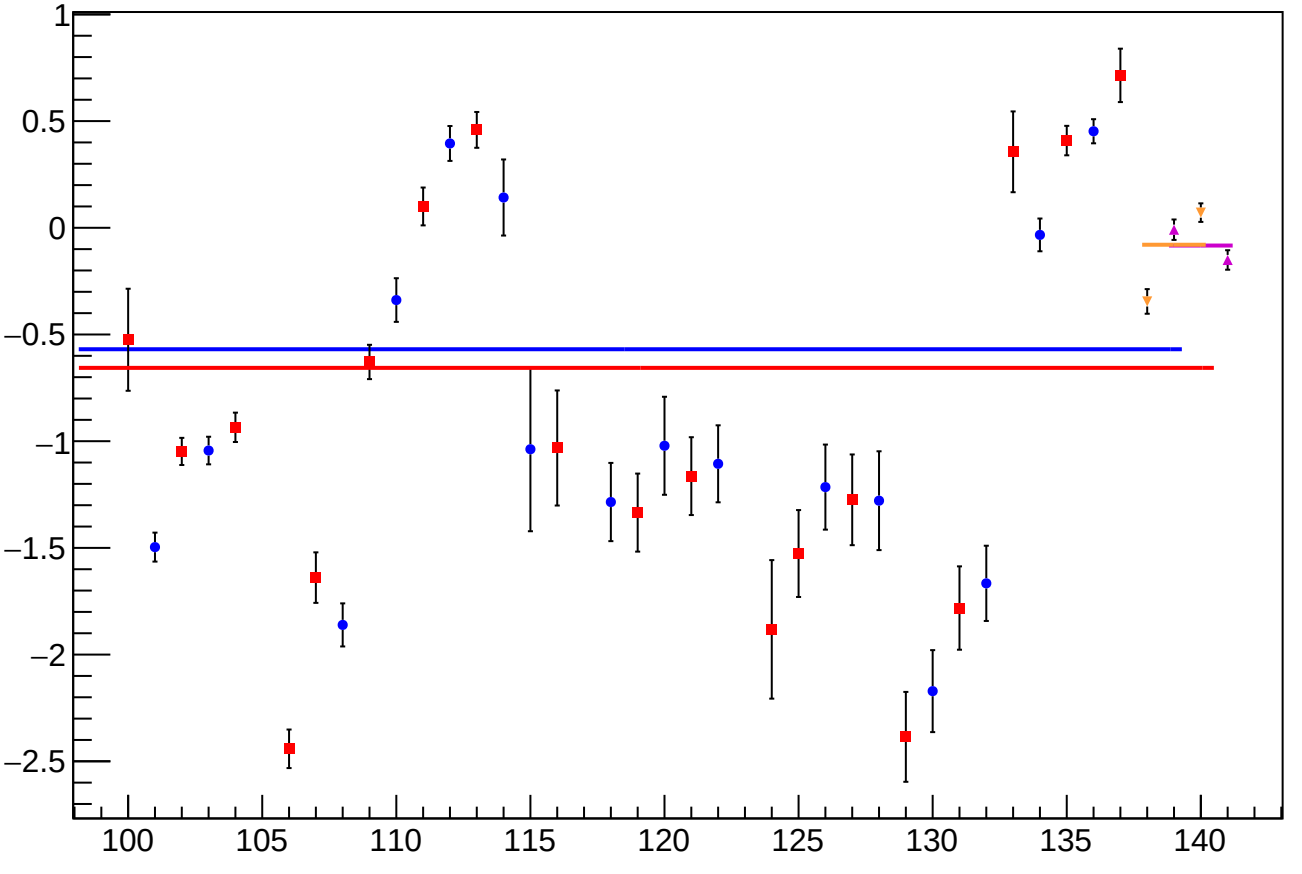
Left: 109.027+/-0.594 χ^2/NDF: 547.4/3

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 114.040+/-0.426 χ^2/NDF:8568.2/17

Out: 106.142+/-0.413 χ^2/NDF:7621.0/20

All: 109.962+/-0.297 χ^2/NDF: 16366.3/38



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.079+/-0.035 χ^2/NDF:33.2/1

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.083+/-0.033 χ^2/NDF:4.6/1

Left: -0.081+/-0.024 χ^2/NDF: 37.8/3

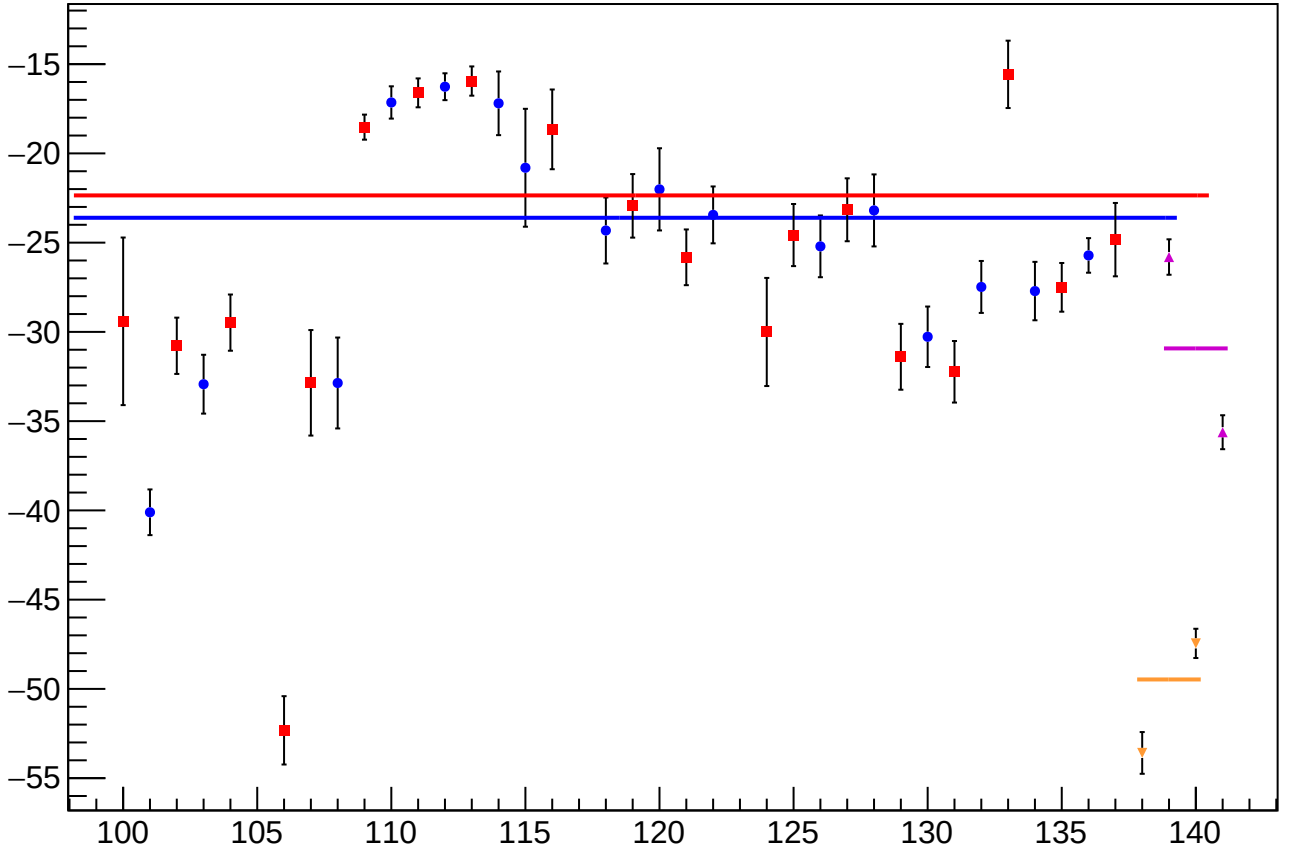
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.385+/-0.020 χ^2/NDF:1236.5/17

Out: -0.457+/-0.020 χ^2/NDF:1529.2/20

All: -0.421+/-0.014 χ^2/NDF: 2772.0/38

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -49.471+/-0.671 χ^2/NDF:18.5/1

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -30.926+/-0.687 χ^2/NDF:51.0/1

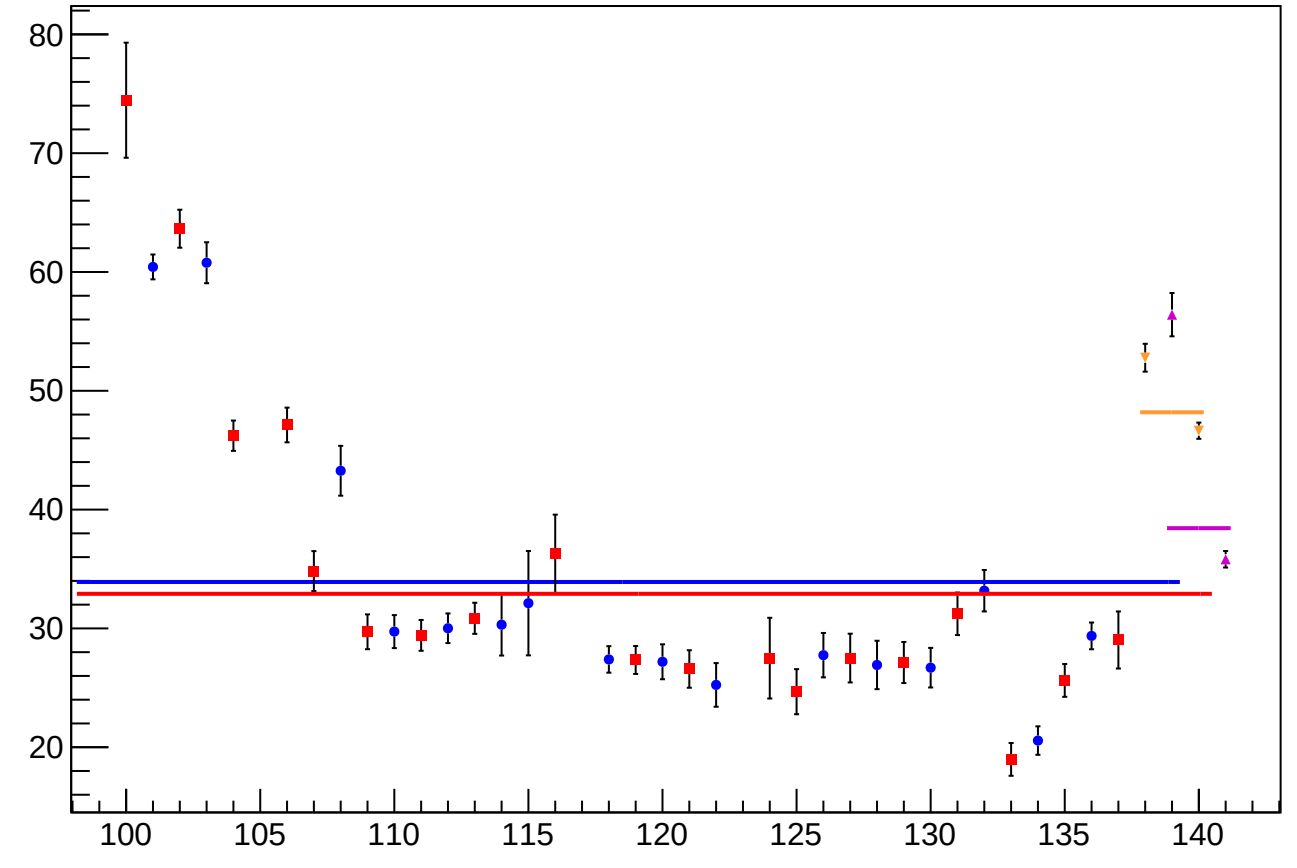
Left: -40.414+/-0.480 χ^2/NDF: 442.5/3

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -25.104+/-0.311 χ^2/NDF:547.7/17

Out: -27.424+/-0.290 χ^2/NDF:1898.1/20

All: -26.343+/-0.212 χ^2/NDF: 2475.6/38



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 48.192+/-0.590 χ^2/NDF:20.5/1

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 38.439+/-0.650 χ^2/NDF:111.4/1

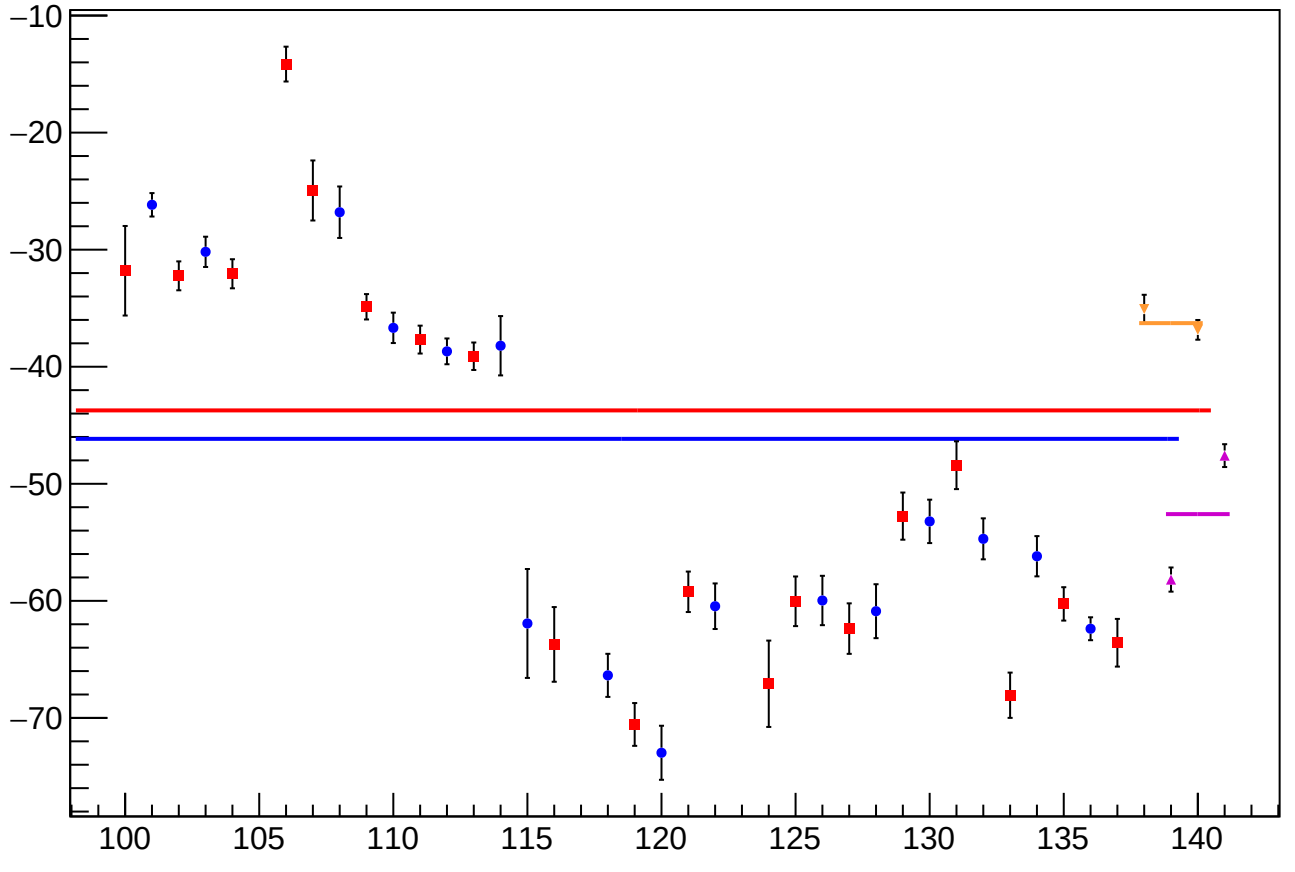
Left: 43.789+/-0.437 χ^2/NDF: 255.4/3

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 35.042+/-0.325 χ^2/NDF:1332.3/17

Out: 37.271+/-0.315 χ^2/NDF:1375.3/20

All: 36.191+/-0.226 χ^2/NDF: 2731.9/38



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -36.275+/-0.693 χ^2/NDF:1.4/1

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -52.590+/-0.709 χ^2/NDF:55.6/1

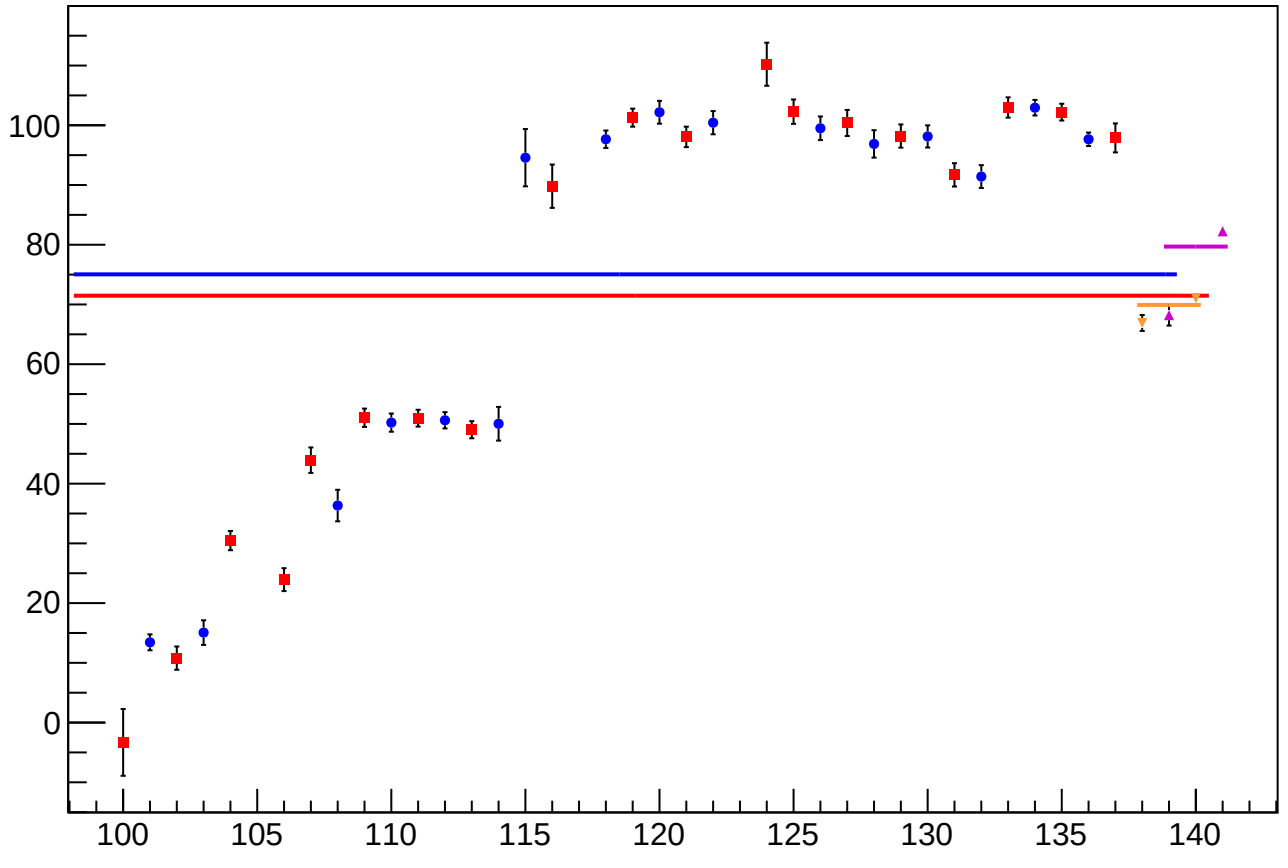
Left: -44.250+/-0.496 χ^2/NDF: 327.6/3

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -47.652+/-0.342 χ^2/NDF:1608.3/17

Out: -42.021+/-0.332 χ^2/NDF:1753.9/20

All: -44.757+/-0.238 χ^2/NDF: 3501.9/38



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 69.921+/-0.698 χ^2/NDF:7.0/1

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 79.691+/-0.748 χ^2/NDF:52.6/1

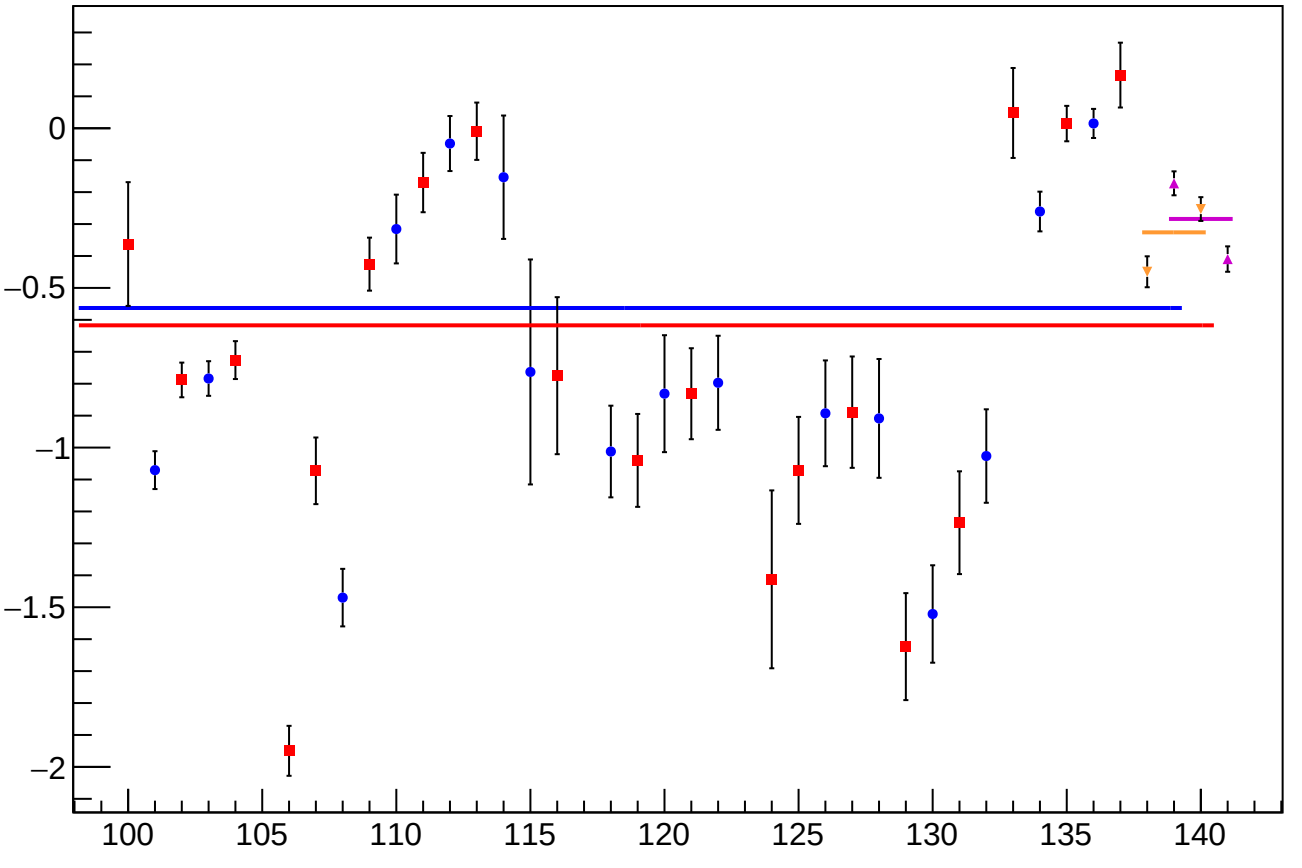
Left: 74.475+/-0.510 χ^2/NDF: 150.8/3

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 76.187+/-0.371 χ^2/NDF:5910.0/17

Out: 71.049+/-0.363 χ^2/NDF:5638.8/20

All: 73.566+/-0.260 χ^2/NDF: 11646.7/38



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.326+/-0.030 χ^2/NDF:10.3/1

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.284+/-0.027 χ^2/NDF:18.8/1

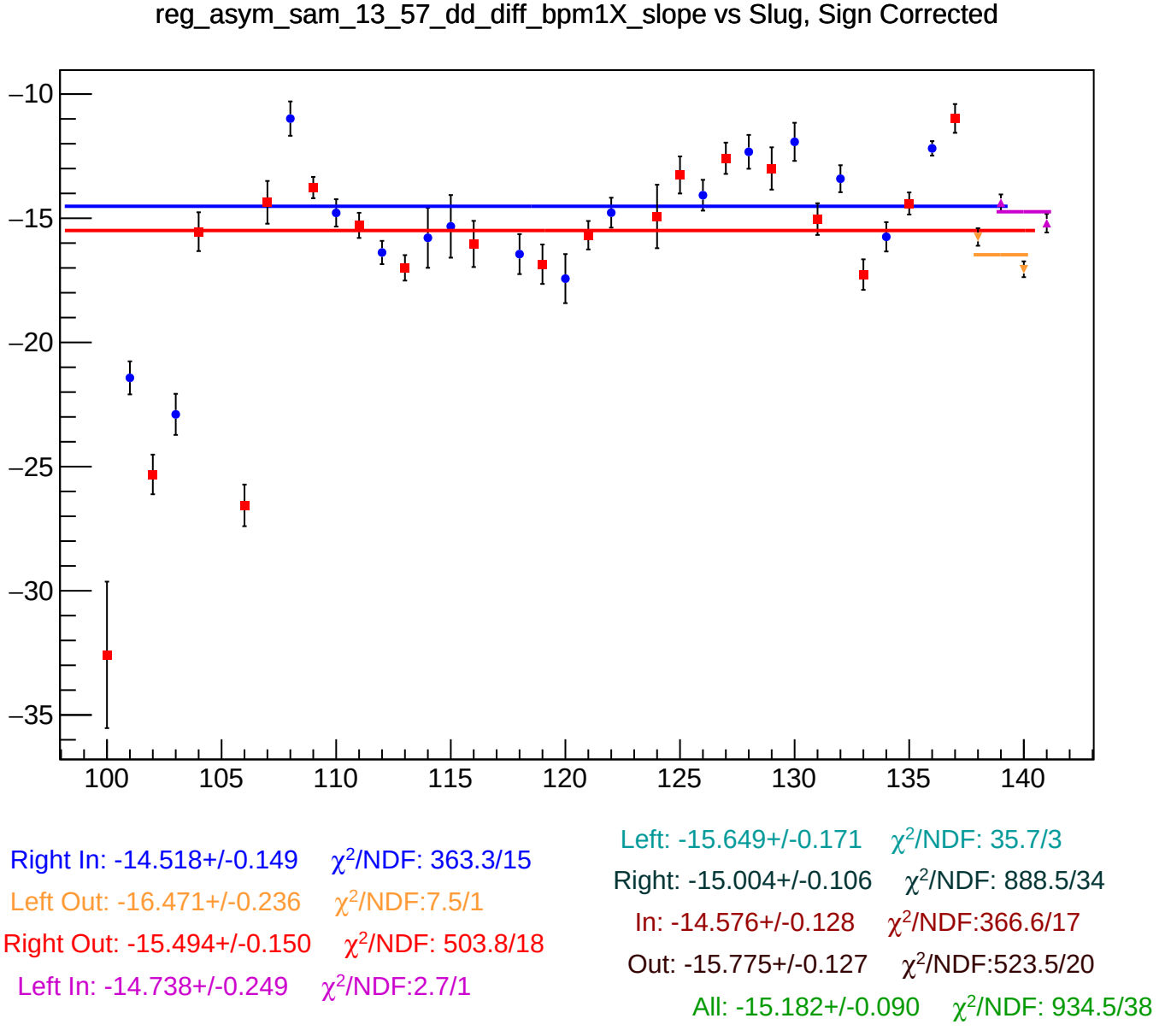
Left: -0.303+/-0.020 χ^2/NDF: 30.2/3

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

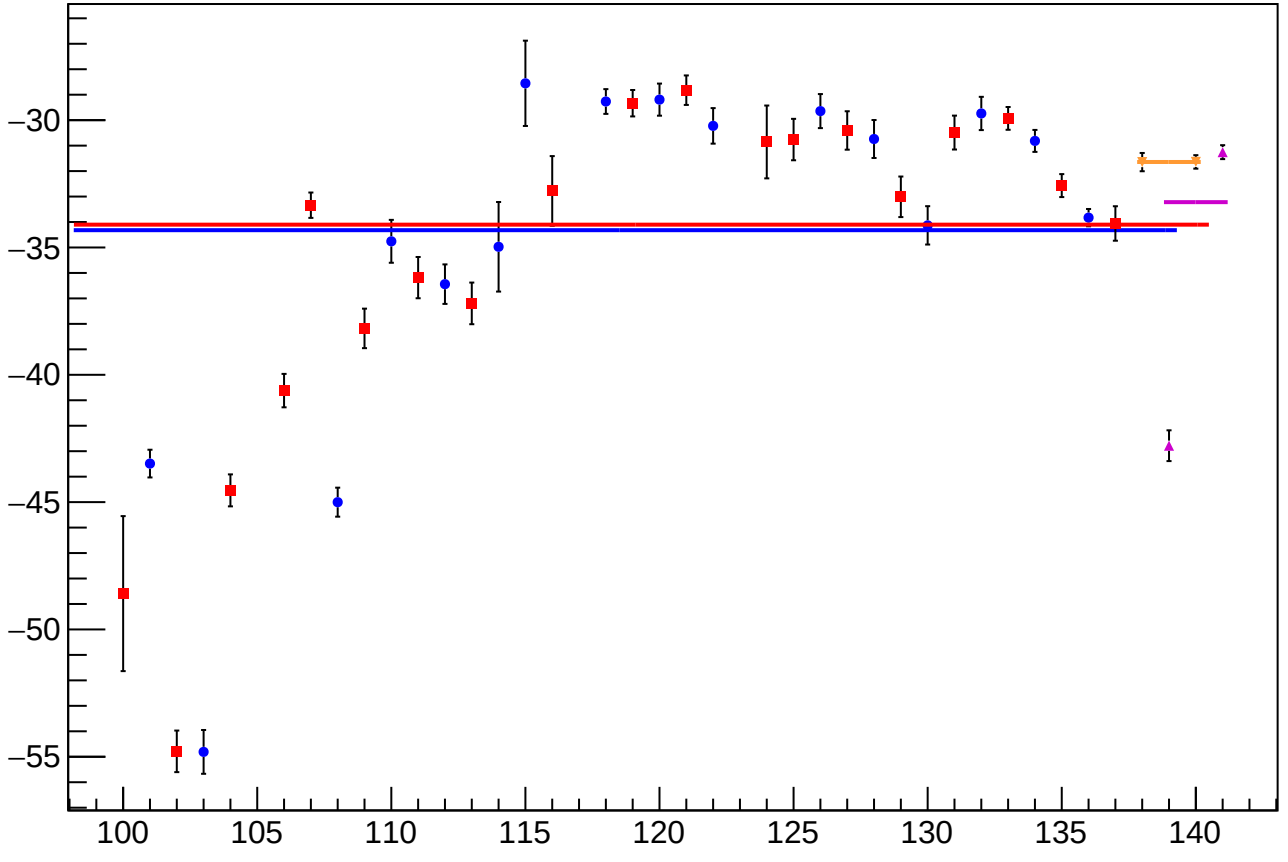
In: -0.452+/-0.017 χ^2/NDF:574.6/17

Out: -0.512+/-0.018 χ^2/NDF:762.5/20

All: -0.481+/-0.012 χ^2/NDF: 1343.1/38


reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−15
−20
−25
−30
−35
100
105
110
115
120
125
130
135
140
Right In: -14.518+/-0.149 χ²/NDF: 363.3/15
Left Out: -16.471+/-0.236 χ²/NDF:7.5/1
Right Out: -15.494+/-0.150 χ²/NDF: 503.8/18
Left In: -14.738+/-0.249 χ²/NDF:2.7/1
Left: -15.649+/-0.171 χ²/NDF: 35.7/3
Right: -15.004+/-0.106 χ²/NDF: 888.5/34
In: -14.576+/-0.128 χ²/NDF:366.6/17
Out: -15.775+/-0.127 χ²/NDF:523.5/20
All: -15.182+/-0.090 χ²/NDF: 934.5/38

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.642+/-0.213 χ^2/NDF:0.0/1

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -33.220+/-0.249 χ^2/NDF:302.0/1

Left: -32.308+/-0.162 χ^2/NDF: 325.1/3

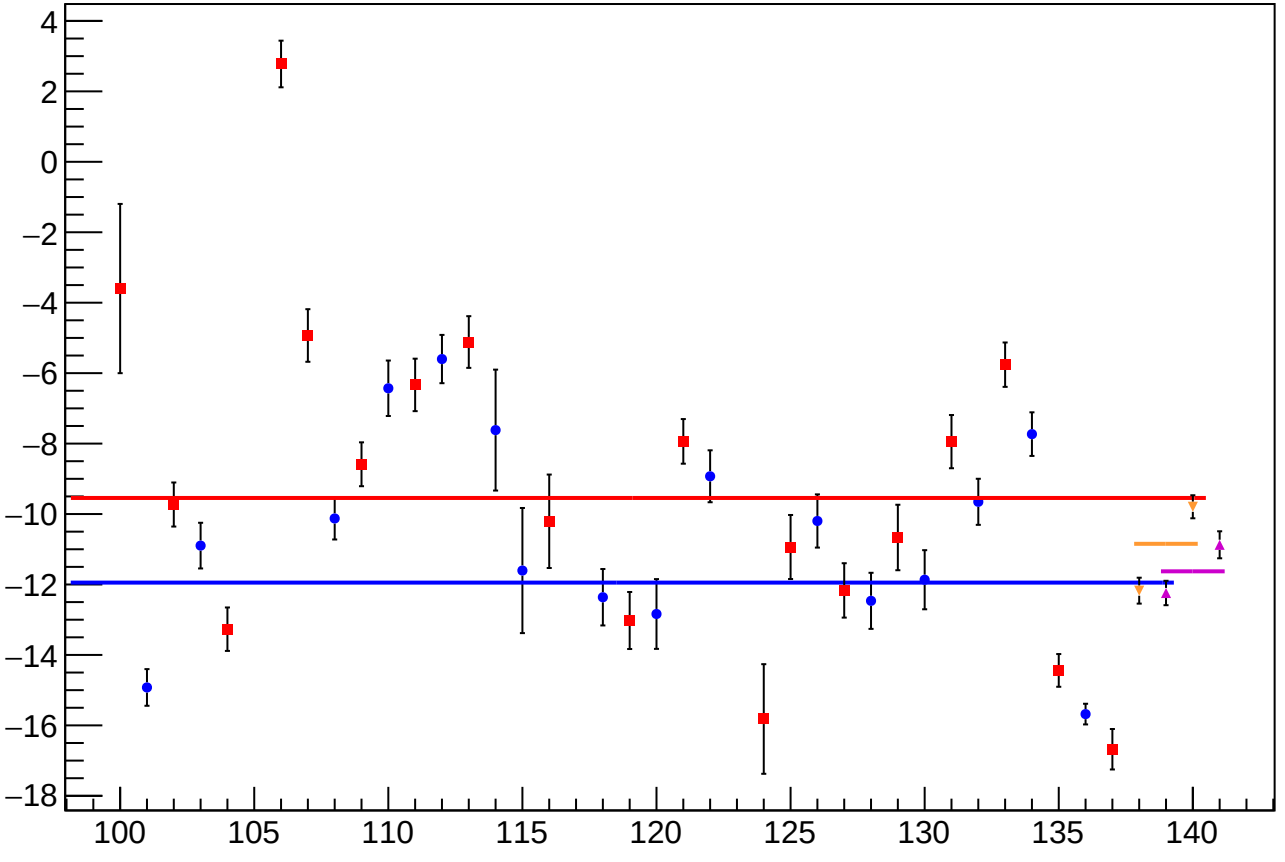
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -34.019+/-0.131 χ^2/NDF:1936.6/17

Out: -33.259+/-0.125 χ^2/NDF:1522.3/20

All: -33.622+/-0.090 χ^2/NDF: 3476.7/38

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -10.845+/-0.244 χ^2/NDF:23.4/1

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -11.627+/-0.257 χ^2/NDF:7.0/1

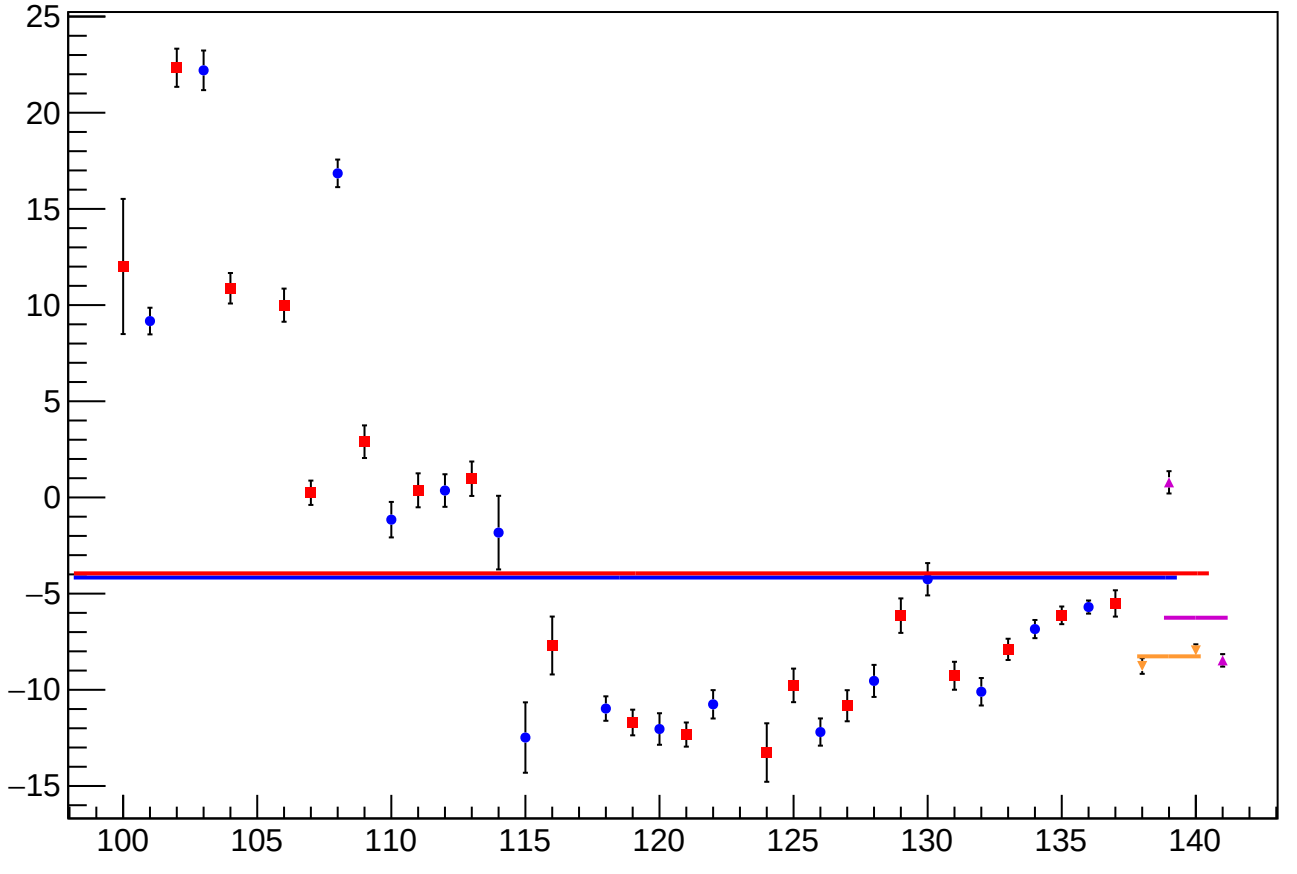
Left: -11.216+/-0.177 χ^2/NDF: 35.3/3

Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -11.857+/-0.136 χ^2/NDF:438.1/17

Out: -9.952+/-0.137 χ^2/NDF:890.0/20

All: -10.911+/-0.096 χ^2/NDF: 1425.7/38



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.261+/-0.251 χ^2/NDF:2.5/1

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.253+/-0.284 χ^2/NDF:193.7/1

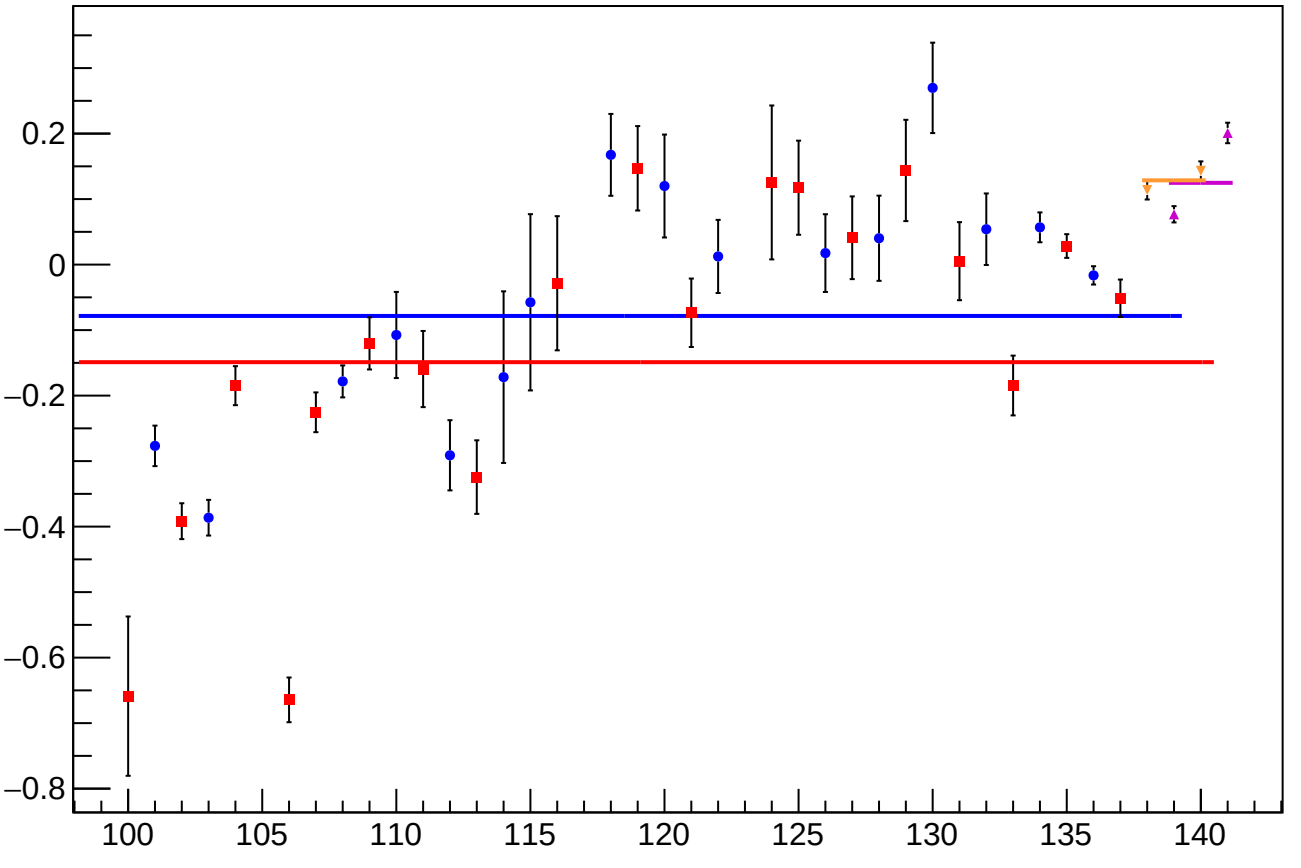
Left: -7.381+/-0.188 χ^2/NDF: 224.3/3

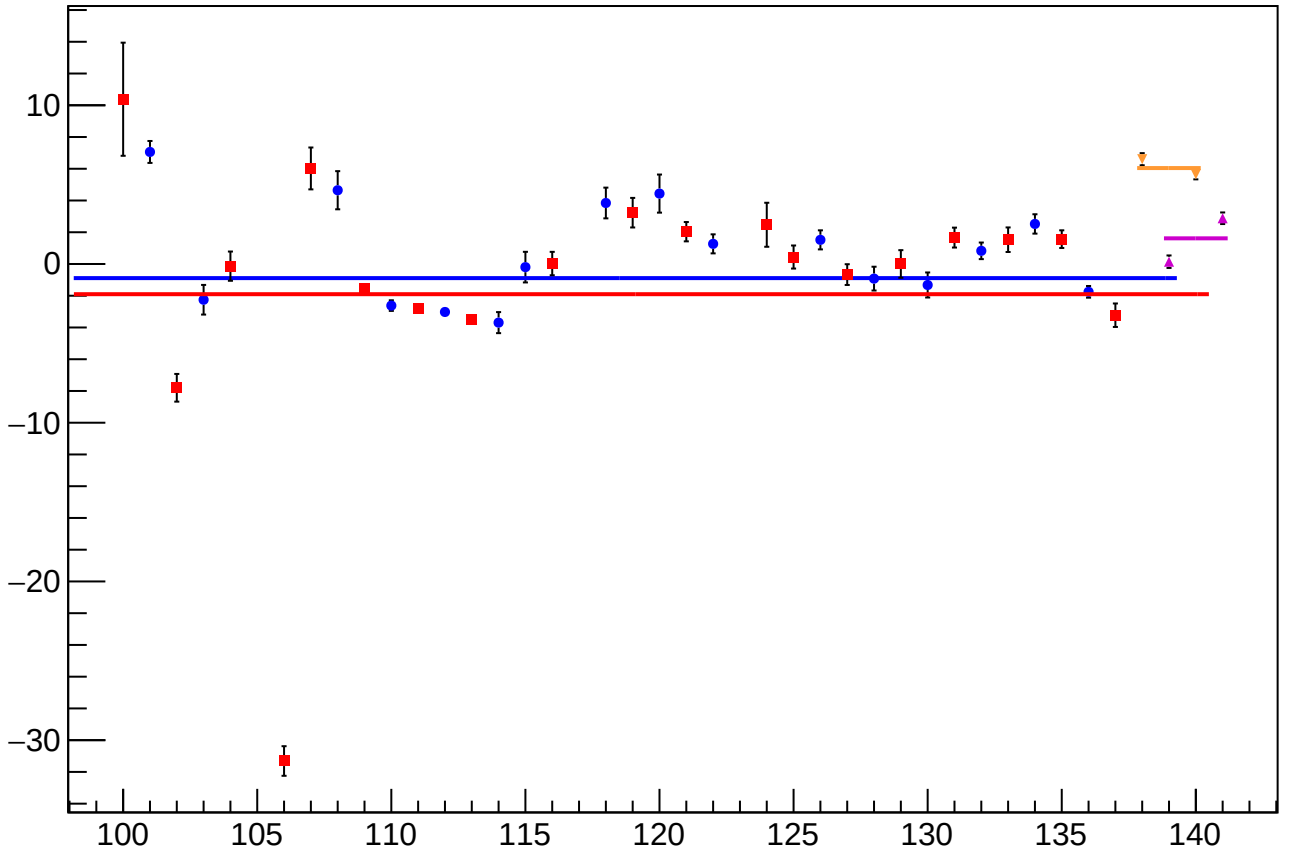
Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -4.724+/-0.147 χ^2/NDF:2758.4/17

Out: -5.371+/-0.144 χ^2/NDF:2311.0/20

All: -5.054+/-0.103 χ^2/NDF: 5079.3/38


reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
−0.8
100
105
110
115
120
125
130
135
140
Right In: -0.078+/-0.009 χ²/NDF: 318.8/15
Left Out: 0.129+/-0.010 χ²/NDF:2.0/1
Right Out: -0.149+/-0.009 χ²/NDF: 524.8/18
Left In: 0.125+/-0.010 χ²/NDF:38.6/1
Left: 0.127+/-0.007 χ²/NDF: 40.7/3
Right: -0.112+/-0.006 χ²/NDF: 875.6/34
In: 0.010+/-0.006 χ²/NDF:603.0/17
Out: -0.027+/-0.007 χ²/NDF:937.6/20
All: -0.007+/-0.005 χ²/NDF: 1556.6/38



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 6.043+/-0.246 χ^2/NDF:3.6/1

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.616+/-0.268 χ^2/NDF:26.0/1

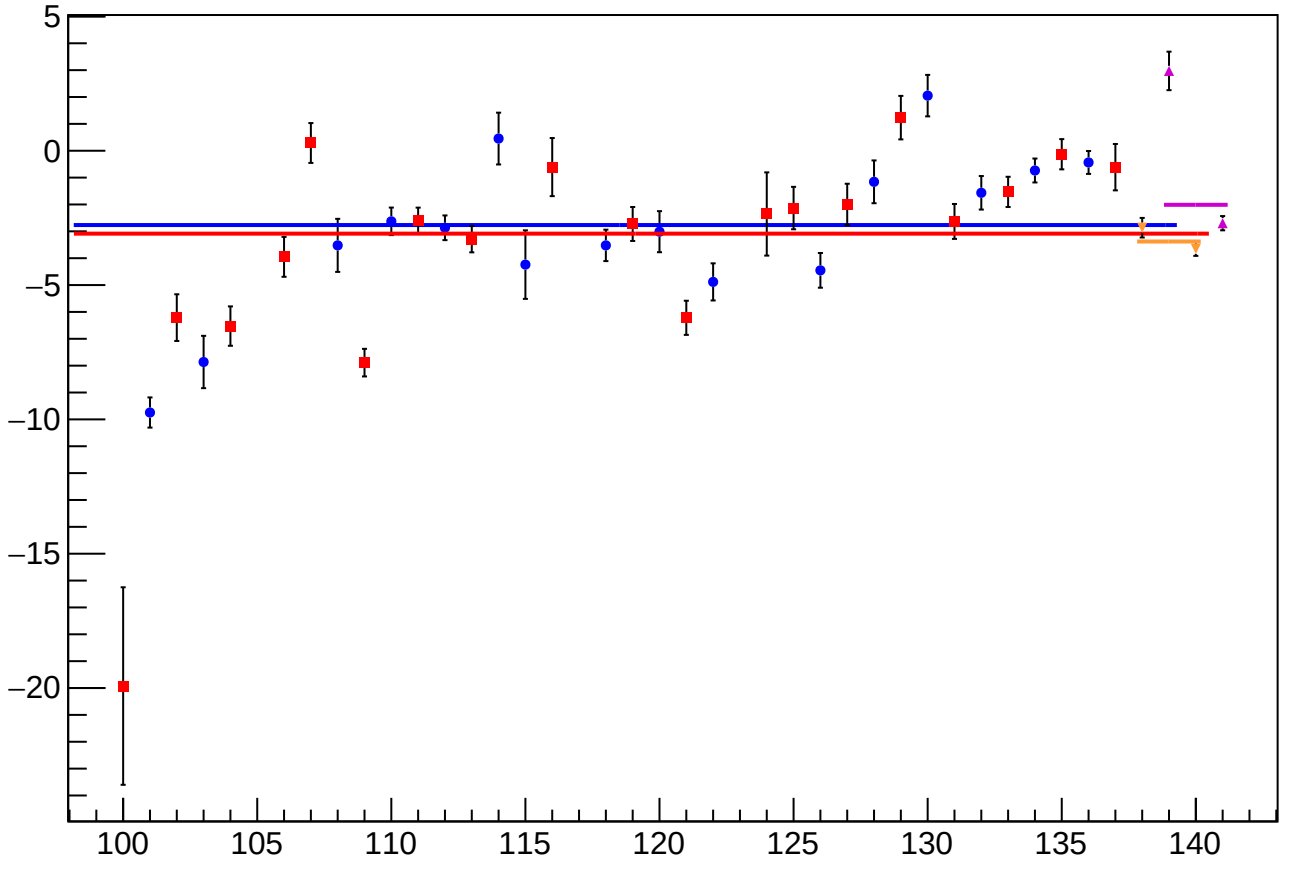
Left: 4.017+/-0.181 χ^2/NDF: 177.9/3

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: -0.372+/-0.122 χ^2/NDF:475.8/17

Out: -0.202+/-0.114 χ^2/NDF:2155.8/20

All: -0.281+/-0.083 χ^2/NDF: 2632.6/38



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -3.379+/-0.214 χ^2/NDF:3.0/1

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -2.013+/-0.249 χ^2/NDF:55.0/1

Left: -2.798+/-0.162 χ^2/NDF: 75.4/3

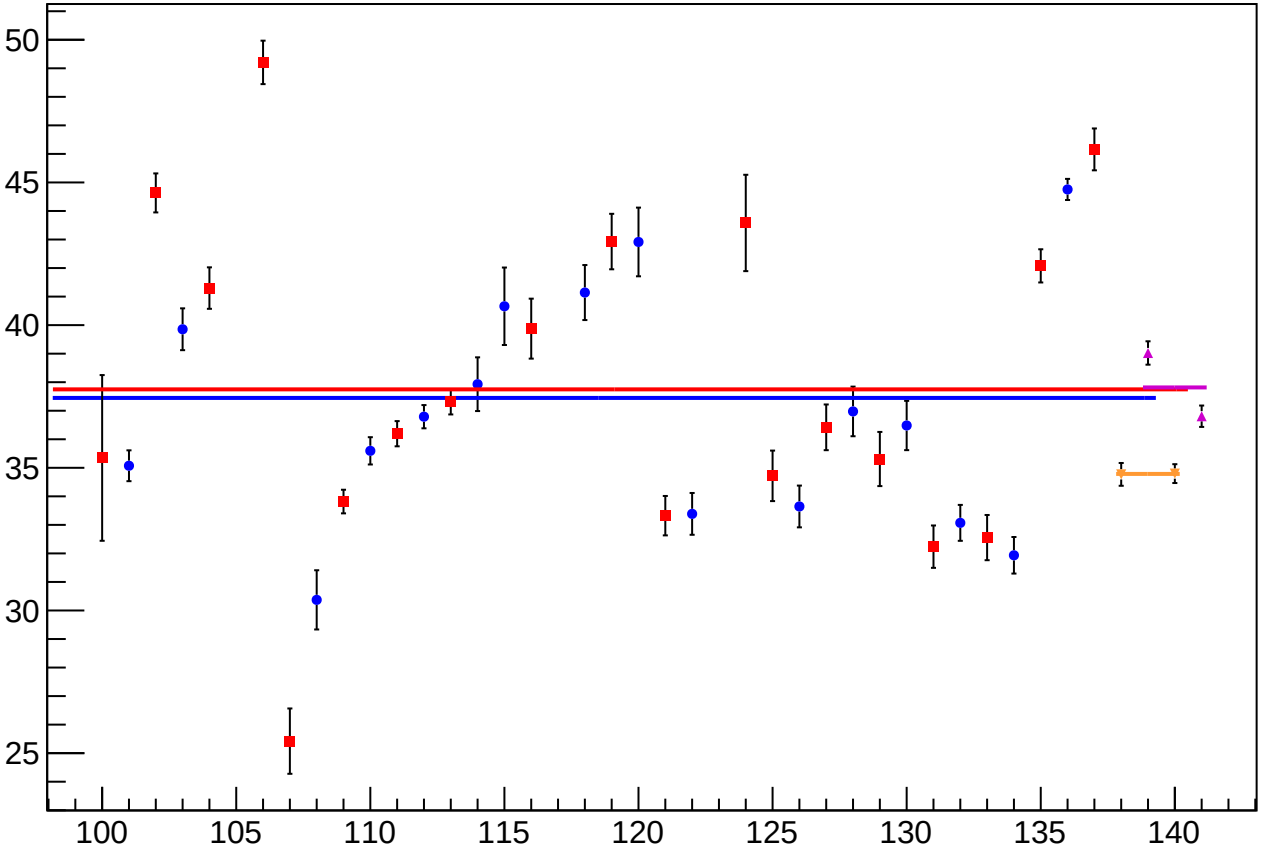
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.553+/-0.132 χ^2/NDF:371.7/17

Out: -3.189+/-0.127 χ^2/NDF:276.7/20

All: -2.884+/-0.092 χ^2/NDF: 660.4/38

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 34.786+/-0.254 χ^2/NDF:0.0/1

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 37.816+/-0.276 χ^2/NDF:15.9/1

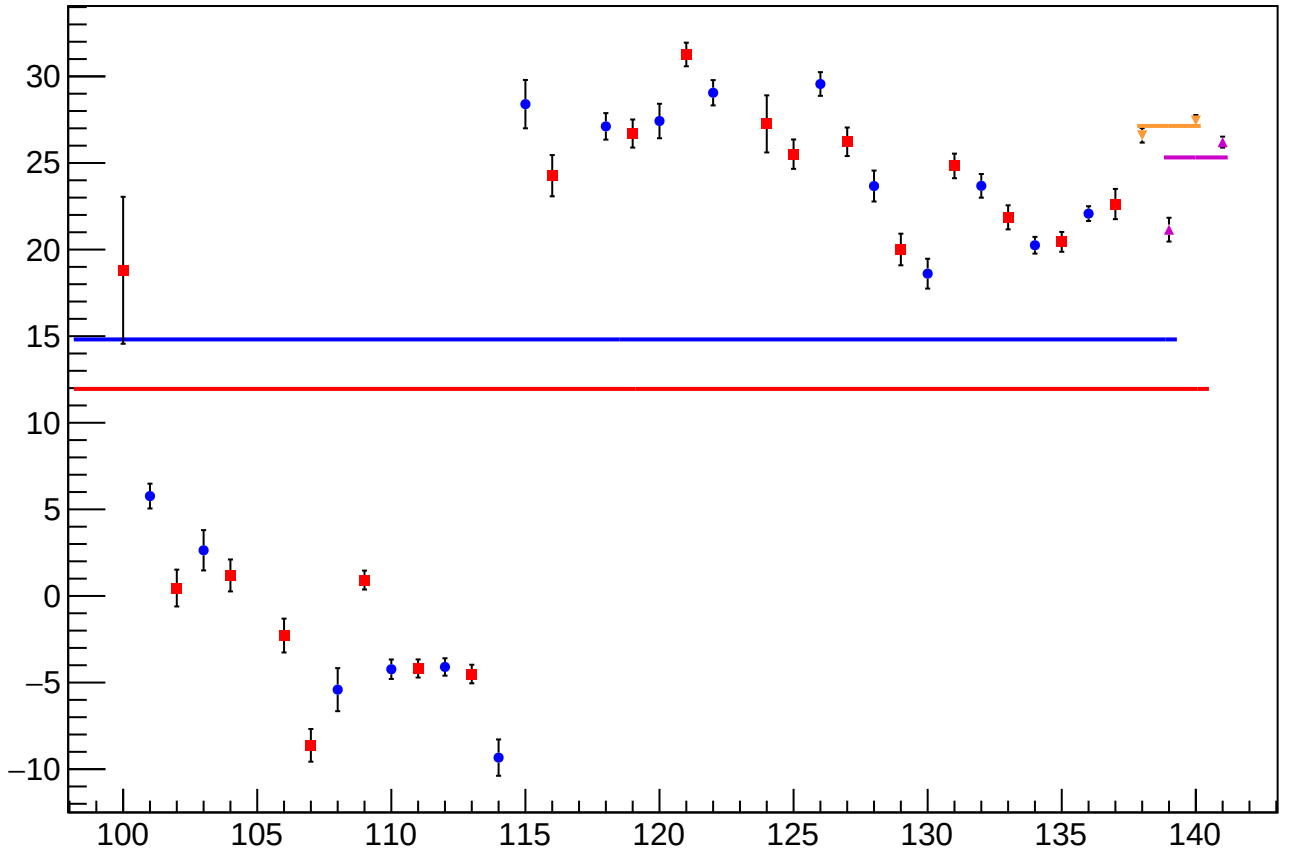
Left: 36.175+/-0.187 χ^2/NDF: 81.0/3

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 37.542+/-0.139 χ^2/NDF:724.2/17

Out: 36.913+/-0.135 χ^2/NDF:1061.0/20

All: 37.219+/-0.097 χ^2/NDF: 1795.8/38



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 27.139+/-0.254 χ^2/NDF:2.6/1

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 25.320+/-0.288 χ^2/NDF:44.6/1

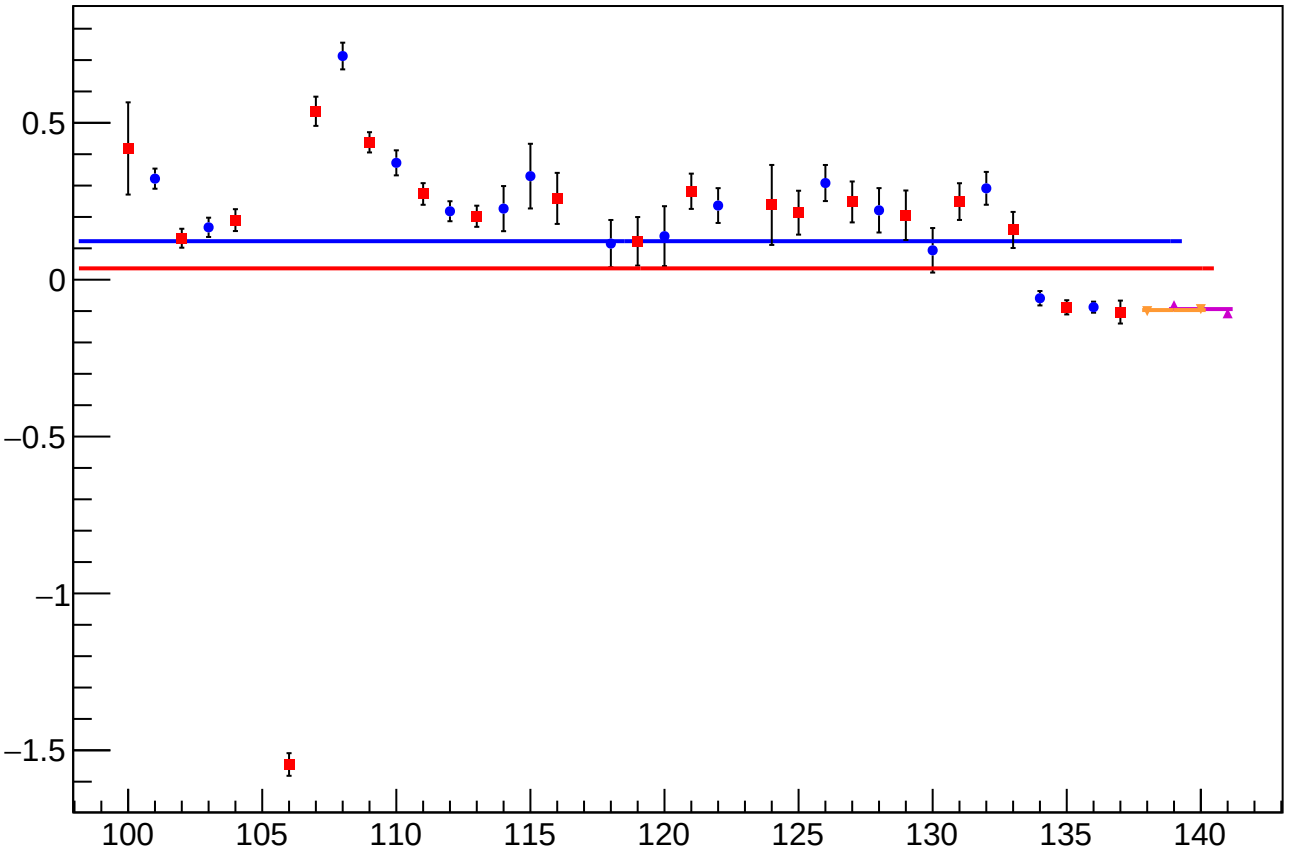
Left: 26.342+/-0.190 χ^2/NDF: 69.7/3

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 17.625+/-0.149 χ^2/NDF:6708.8/17

Out: 16.911+/-0.145 χ^2/NDF:8514.9/20

All: 17.259+/-0.104 χ^2/NDF: 15235.5/38



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.097+/-0.011 χ^2/NDF:0.1/1

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.094+/-0.011 χ^2/NDF:1.5/1

Left: -0.095+/-0.008 χ^2/NDF: 1.6/3

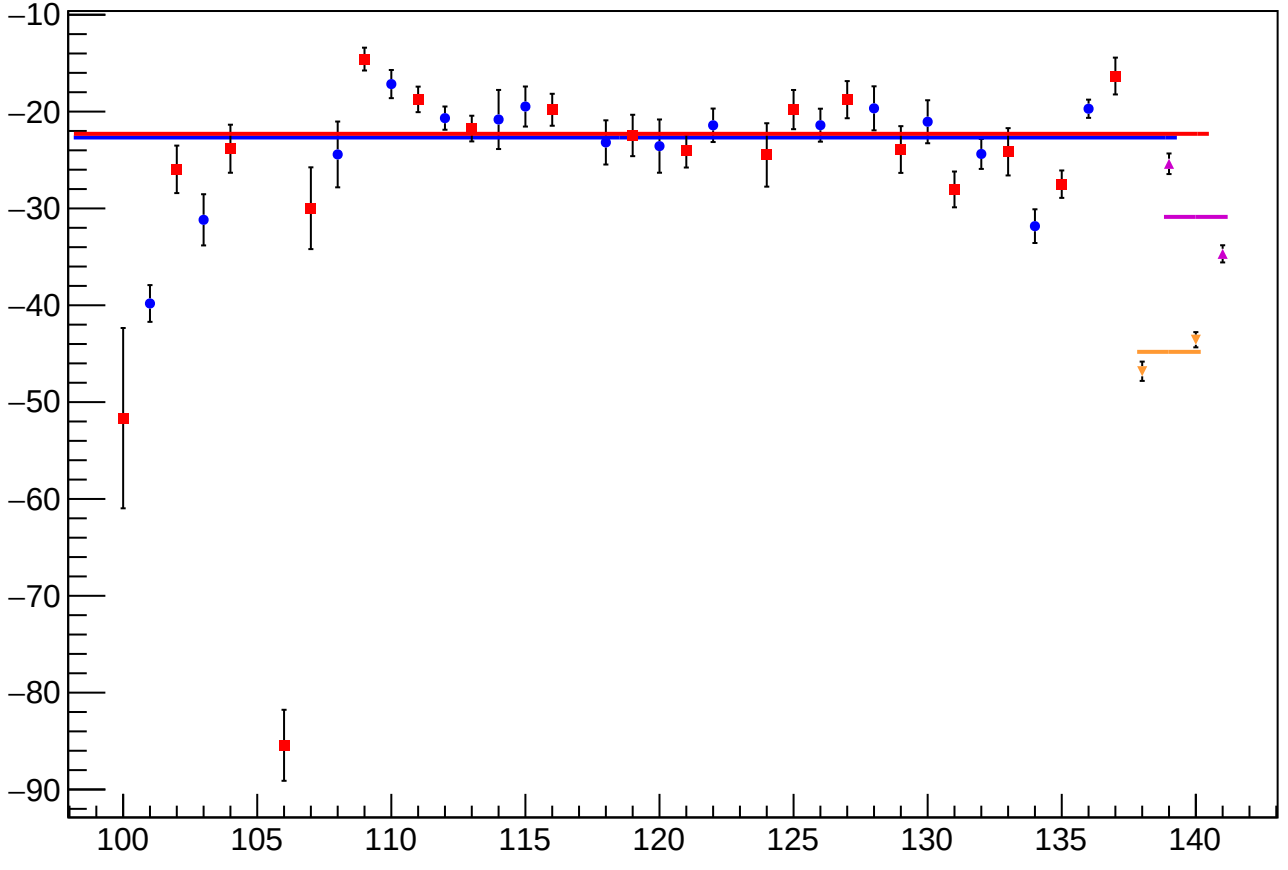
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: 0.028+/-0.007 χ^2/NDF:754.0/17

Out: -0.023+/-0.007 χ^2/NDF:2497.7/20

All: 0.003+/-0.005 χ^2/NDF: 3277.3/38

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -44.809+/-0.617 χ^2/NDF:6.6/1

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -30.873+/-0.681 χ^2/NDF:45.1/1

Left: -38.521+/-0.457 χ^2/NDF: 281.6/3

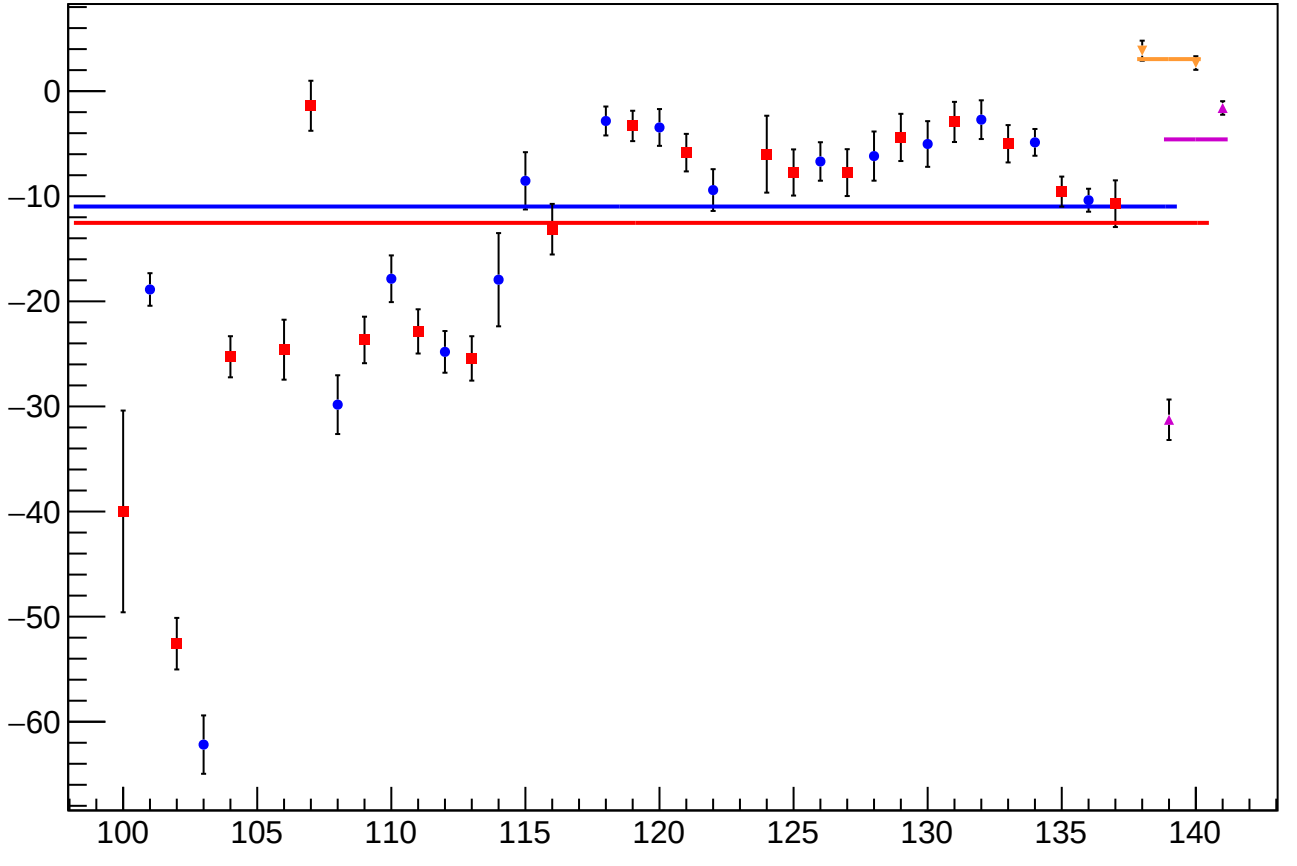
Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -25.047+/-0.366 χ^2/NDF:302.6/17

Out: -29.766+/-0.356 χ^2/NDF:1300.3/20

All: -27.476+/-0.255 χ^2/NDF: 1688.3/38

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 3.048+/-0.536 χ^2/NDF:1.0/1

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.590+/-0.611 χ^2/NDF:213.4/1

Left: -0.271+/-0.403 χ^2/NDF: 302.7/3

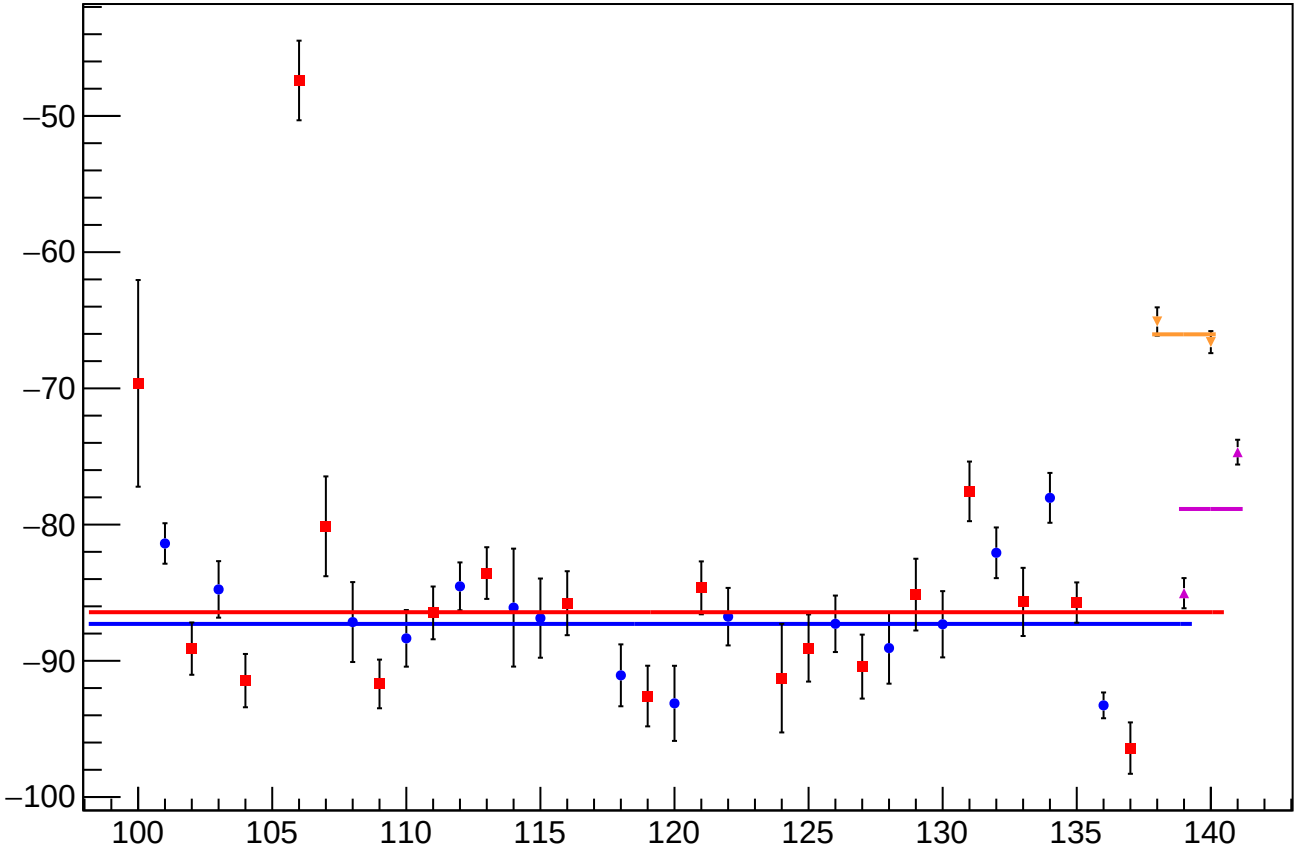
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -8.711+/-0.364 χ^2/NDF:871.2/17

Out: -5.580+/-0.358 χ^2/NDF:1041.4/20

All: -7.119+/-0.255 χ^2/NDF: 1950.2/38

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -66.032+/-0.638 χ^2/NDF:1.3/1

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -78.853+/-0.703 χ^2/NDF:52.2/1

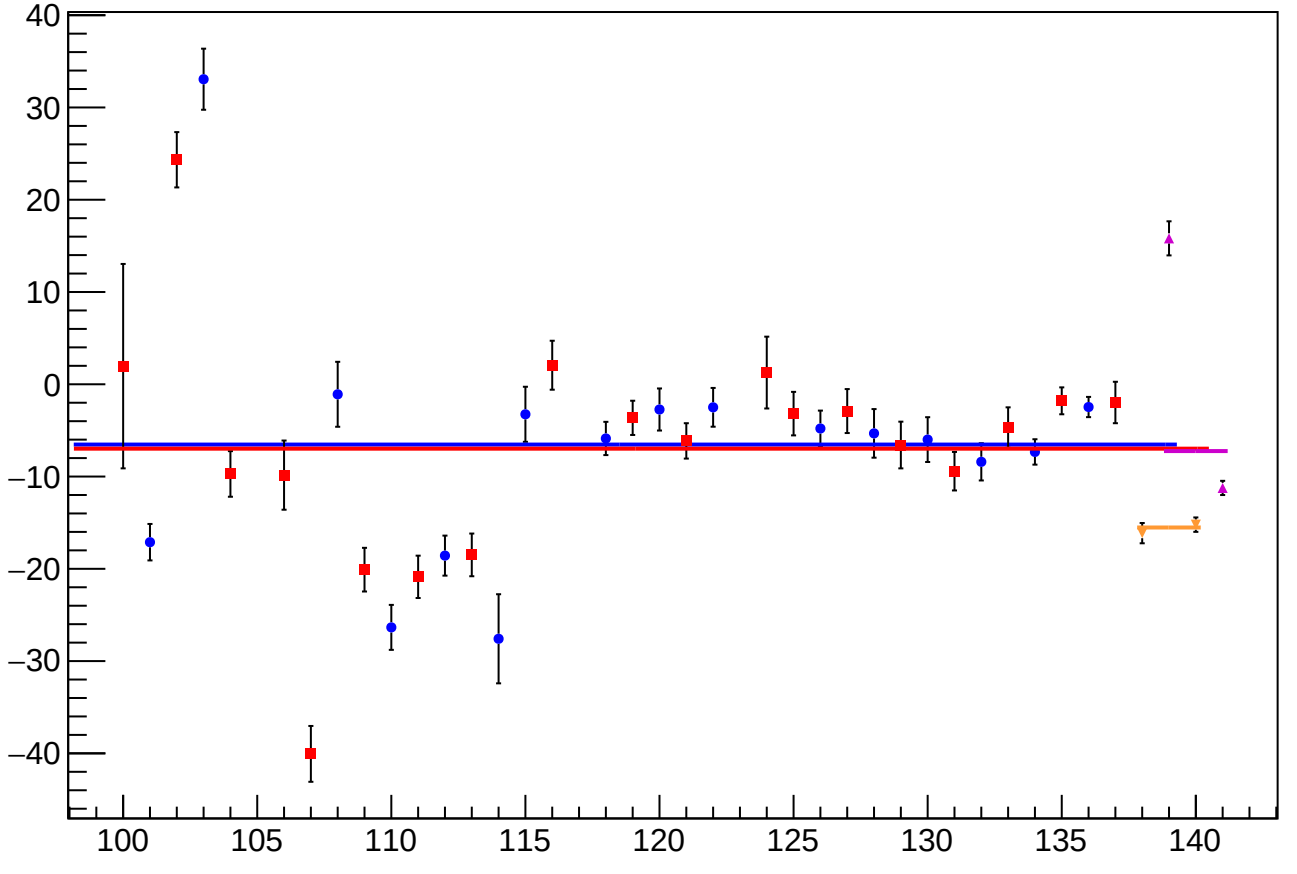
Left: -71.827+/-0.473 χ^2/NDF: 235.8/3

Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -84.603+/-0.397 χ^2/NDF:251.6/17

Out: -78.561+/-0.397 χ^2/NDF:893.4/20

All: -81.580+/-0.280 χ^2/NDF: 1261.0/38



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -15.522+/-0.637 χ^2/NDF:0.5/1

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -7.239+/-0.710 χ^2/NDF:182.7/1

Left: -11.830+/-0.474 χ^2/NDF: 258.7/3

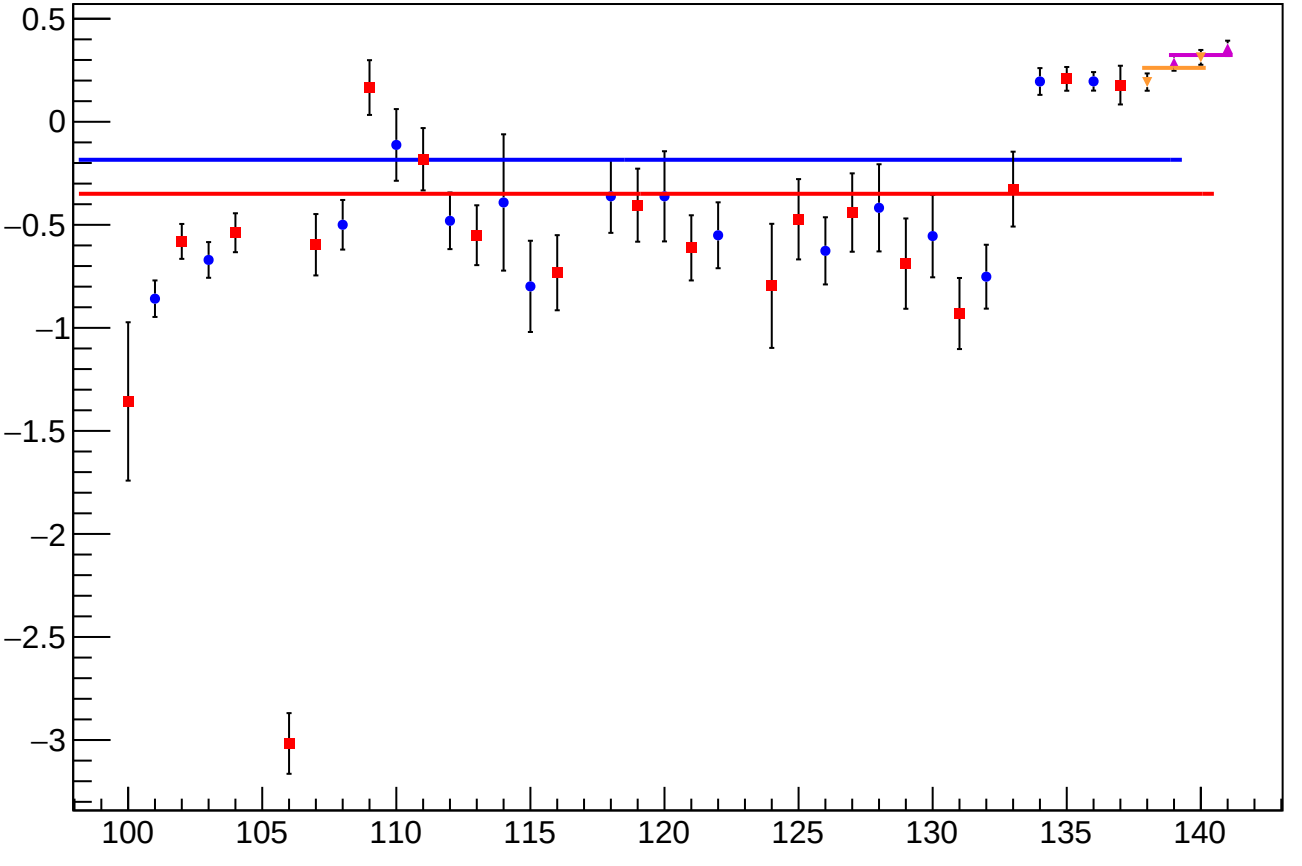
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -6.774+/-0.413 χ^2/NDF:497.3/17

Out: -10.567+/-0.413 χ^2/NDF:473.3/20

All: -8.672+/-0.292 χ^2/NDF: 1012.8/38

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.262+/-0.027 χ^2/NDF:4.7/1

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.324+/-0.027 χ^2/NDF:1.6/1

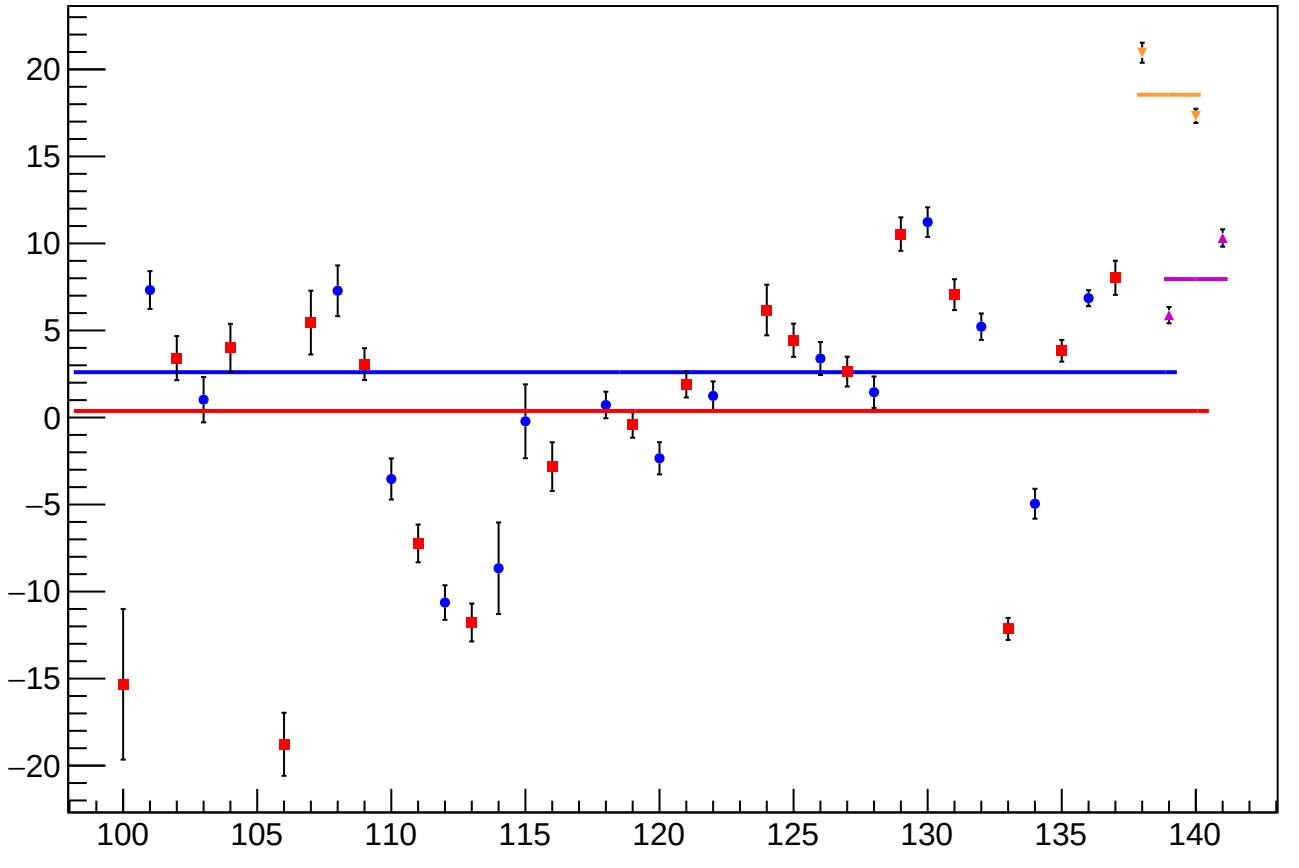
Left: 0.293+/-0.019 χ^2/NDF: 8.9/3

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.066+/-0.019 χ^2/NDF:426.7/17

Out: -0.023+/-0.020 χ^2/NDF:753.5/20

All: 0.024+/-0.014 χ^2/NDF: 1190.6/38



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 18.542+/-0.333 χ^2/NDF:26.4/1

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 7.954+/-0.341 χ^2/NDF:42.2/1

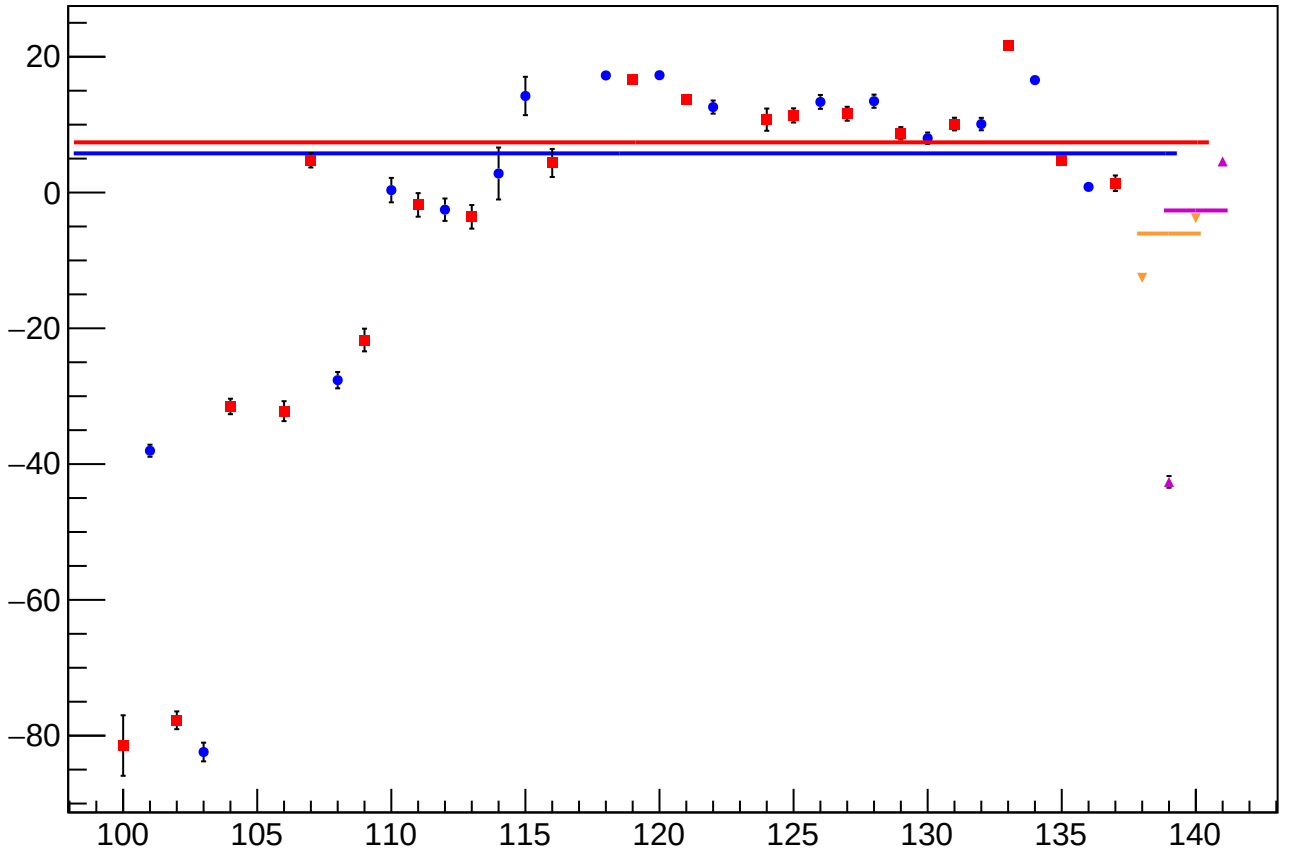
Left: 13.365+/-0.238 χ^2/NDF: 562.2/3

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 4.219+/-0.187 χ^2/NDF:787.4/17

Out: 5.969+/-0.185 χ^2/NDF:3114.0/20

All: 5.105+/-0.132 χ^2/NDF: 3945.6/38



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: -6.043+/-0.295 χ^2/NDF:169.0/1

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: -2.641+/-0.336 χ^2/NDF:2560.4/1

Left: -4.560+/-0.222 χ^2/NDF: 2787.4/3

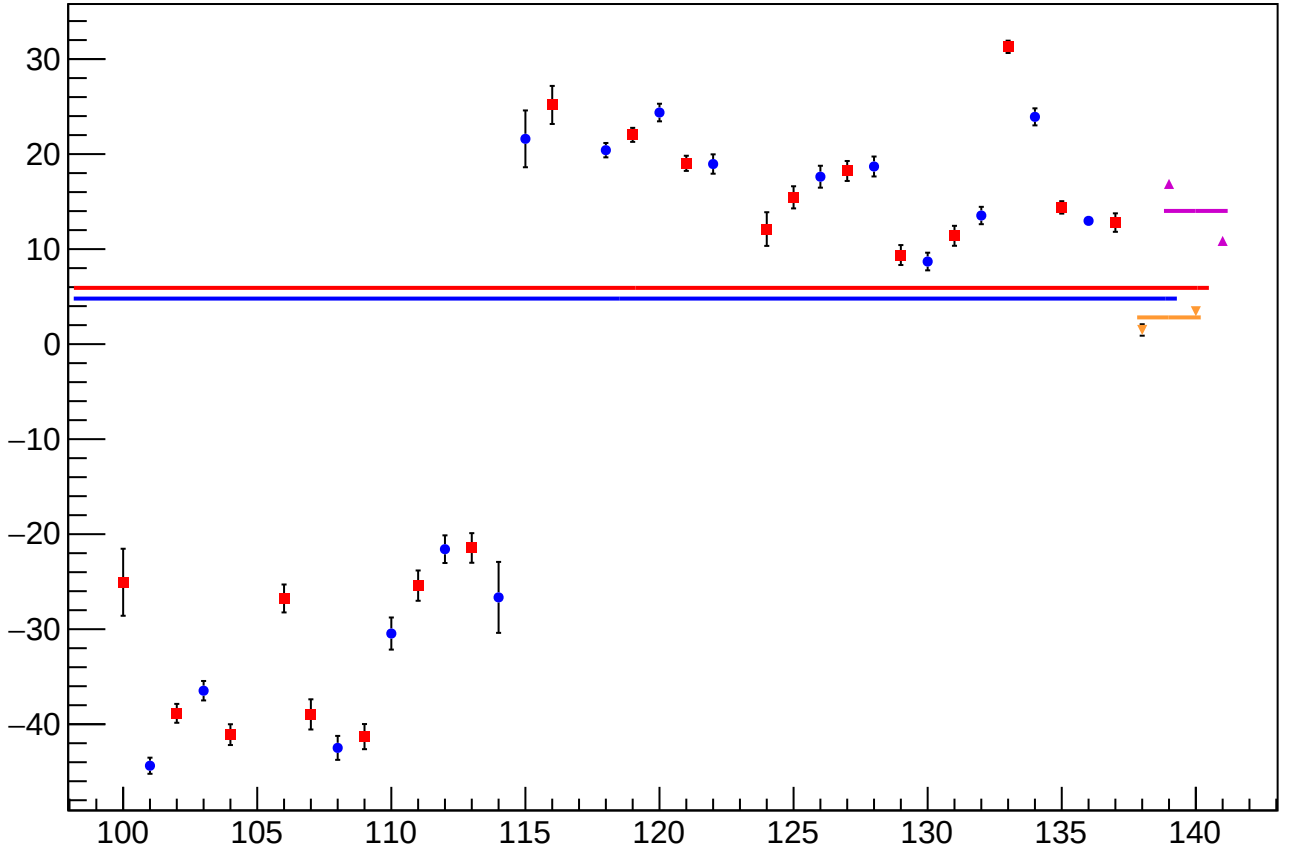
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 3.408+/-0.178 χ^2/NDF:11945.1/17

Out: 2.912+/-0.170 χ^2/NDF:9941.2/20

All: 3.150+/-0.123 χ^2/NDF: 21890.4/38

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 2.813+/-0.344 χ^2/NDF:7.2/1

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 14.019+/-0.352 χ^2/NDF:72.5/1

Left: 8.296+/-0.246 χ^2/NDF: 597.5/3

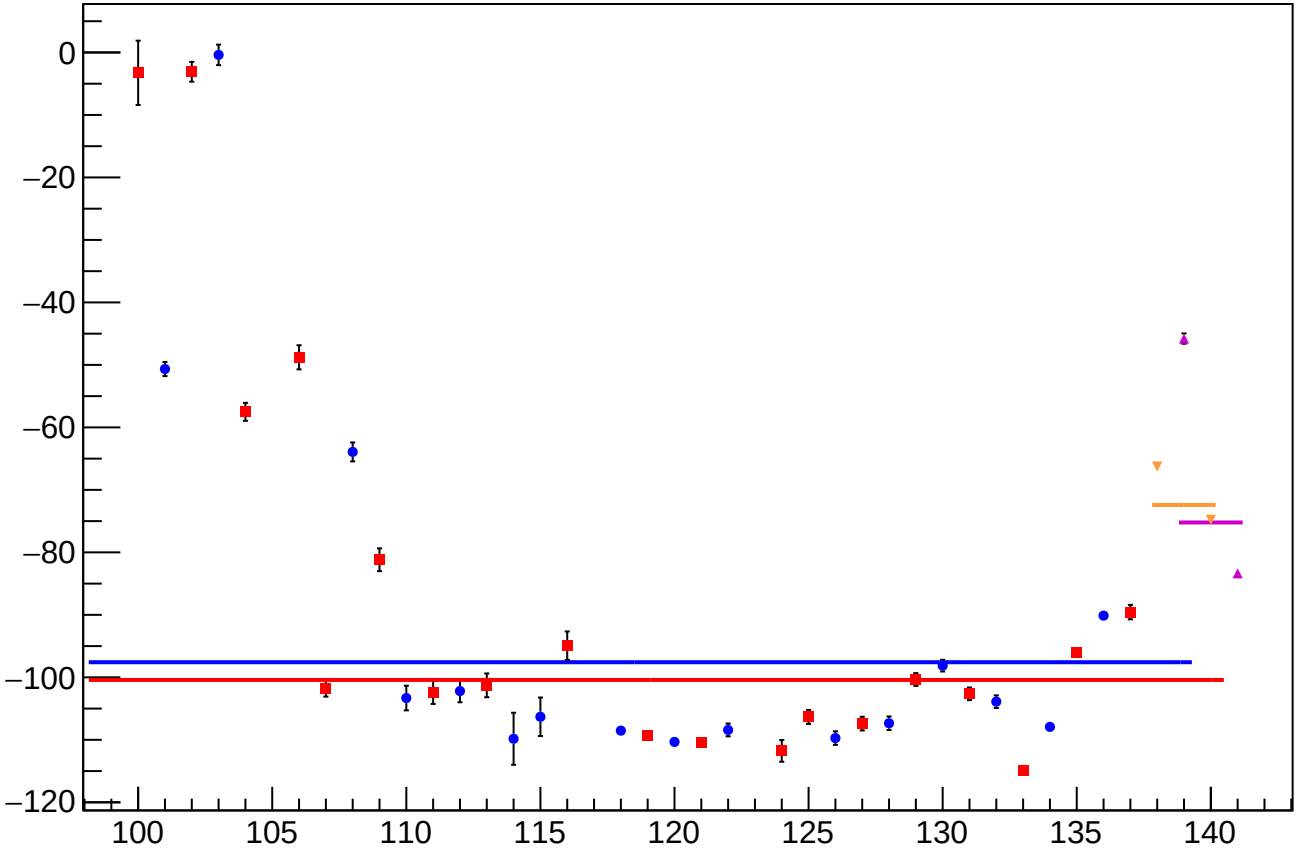
Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 7.679+/-0.197 χ^2/NDF:10041.6/17

Out: 4.906+/-0.197 χ^2/NDF:10121.3/20

All: 6.293+/-0.139 χ^2/NDF: 20262.2/38

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -72.412+/-0.349 χ^2/NDF:119.5/1

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -75.216+/-0.384 χ^2/NDF:1624.7/1

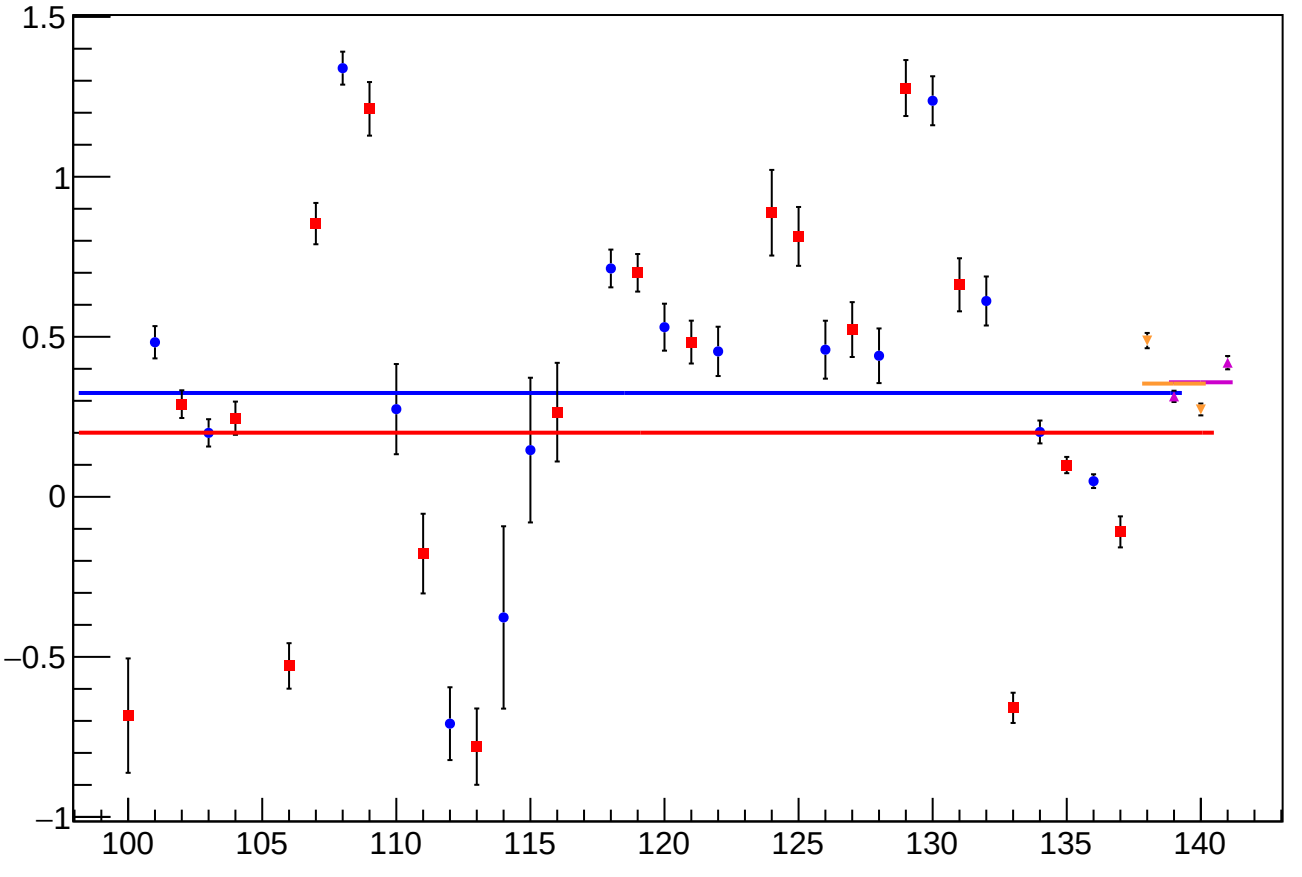
Left: -73.682+/-0.258 χ^2/NDF: 1773.5/3

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -91.232+/-0.205 χ^2/NDF:11200.1/17

Out: -91.388+/-0.198 χ^2/NDF:11590.1/20

All: -91.312+/-0.142 χ^2/NDF: 22790.5/38



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.354+/-0.015 χ^2/NDF:50.7/1

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.358+/-0.013 χ^2/NDF:14.8/1

Left: 0.356+/-0.010 χ^2/NDF: 65.6/3

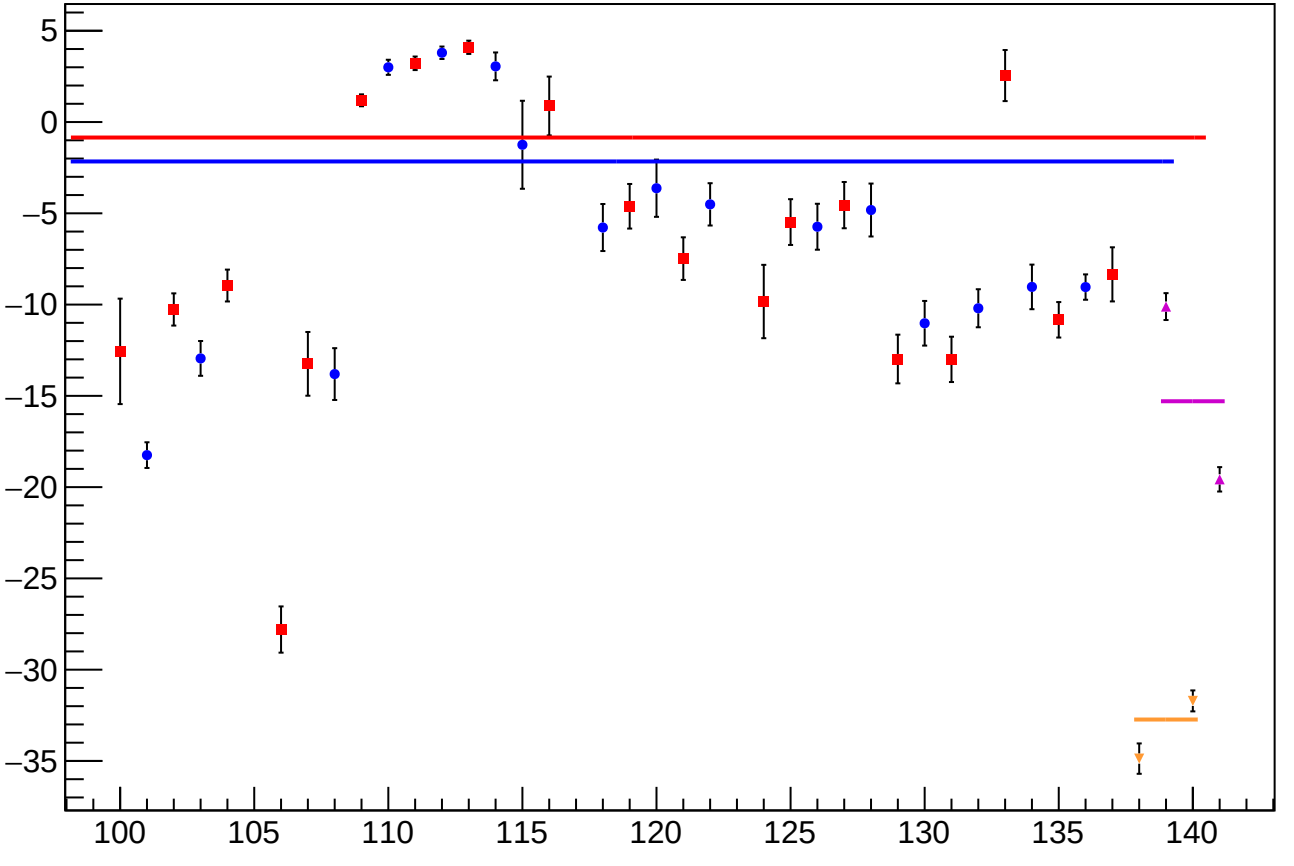
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.341+/-0.009 χ^2/NDF:904.5/17

Out: 0.273+/-0.010 χ^2/NDF:1315.0/20

All: 0.309+/-0.007 χ^2/NDF: 2243.8/38

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -32.731+/-0.473 χ^2/NDF:9.8/1

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -15.295+/-0.495 χ^2/NDF:90.6/1

Left: -24.414+/-0.342 χ^2/NDF: 749.7/3

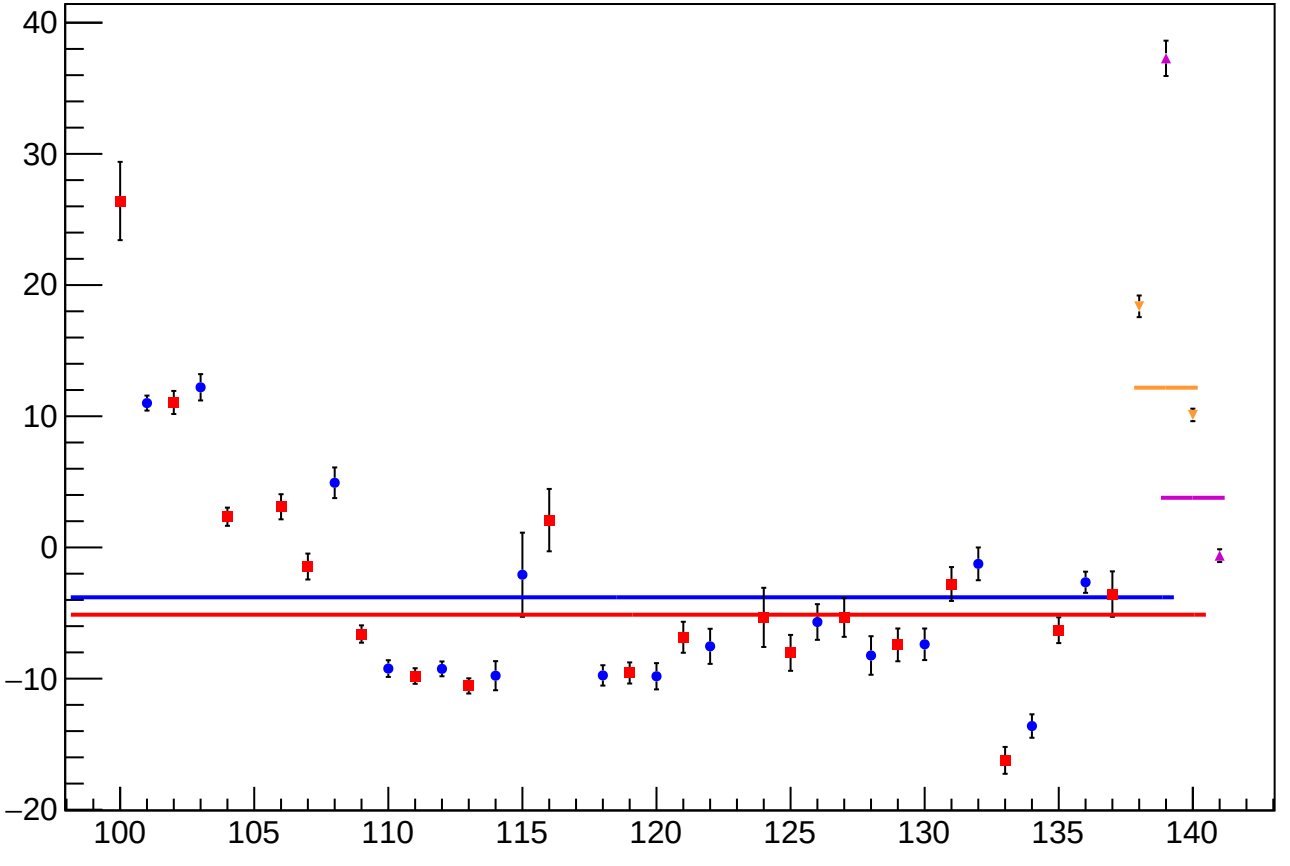
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -3.878+/-0.179 χ^2/NDF:2194.1/17

Out: -4.517+/-0.160 χ^2/NDF:5503.5/20

All: -4.232+/-0.119 χ^2/NDF: 7704.7/38

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: 12.179+/-0.413 χ^2/NDF:75.4/1

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: 3.786+/-0.459 χ^2/NDF:700.8/1

Left: 8.422+/-0.307 χ^2/NDF: 960.7/3

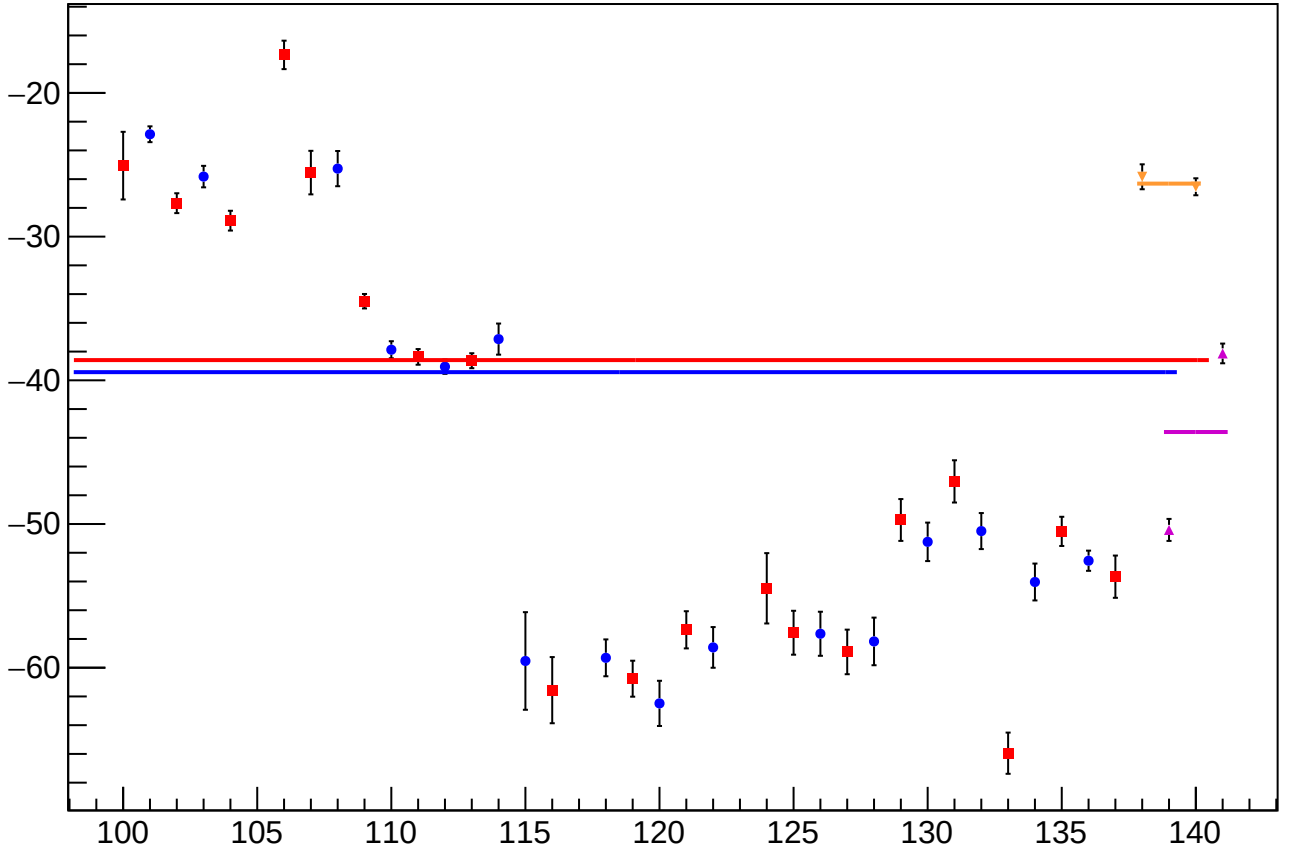
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -2.324+/-0.203 χ^2/NDF:2346.3/17

Out: -1.341+/-0.193 χ^2/NDF:2425.0/20

All: -1.810+/-0.140 χ^2/NDF: 4783.6/38

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -26.311+/-0.488 χ^2/NDF:0.4/1

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -43.598+/-0.511 χ^2/NDF:142.8/1

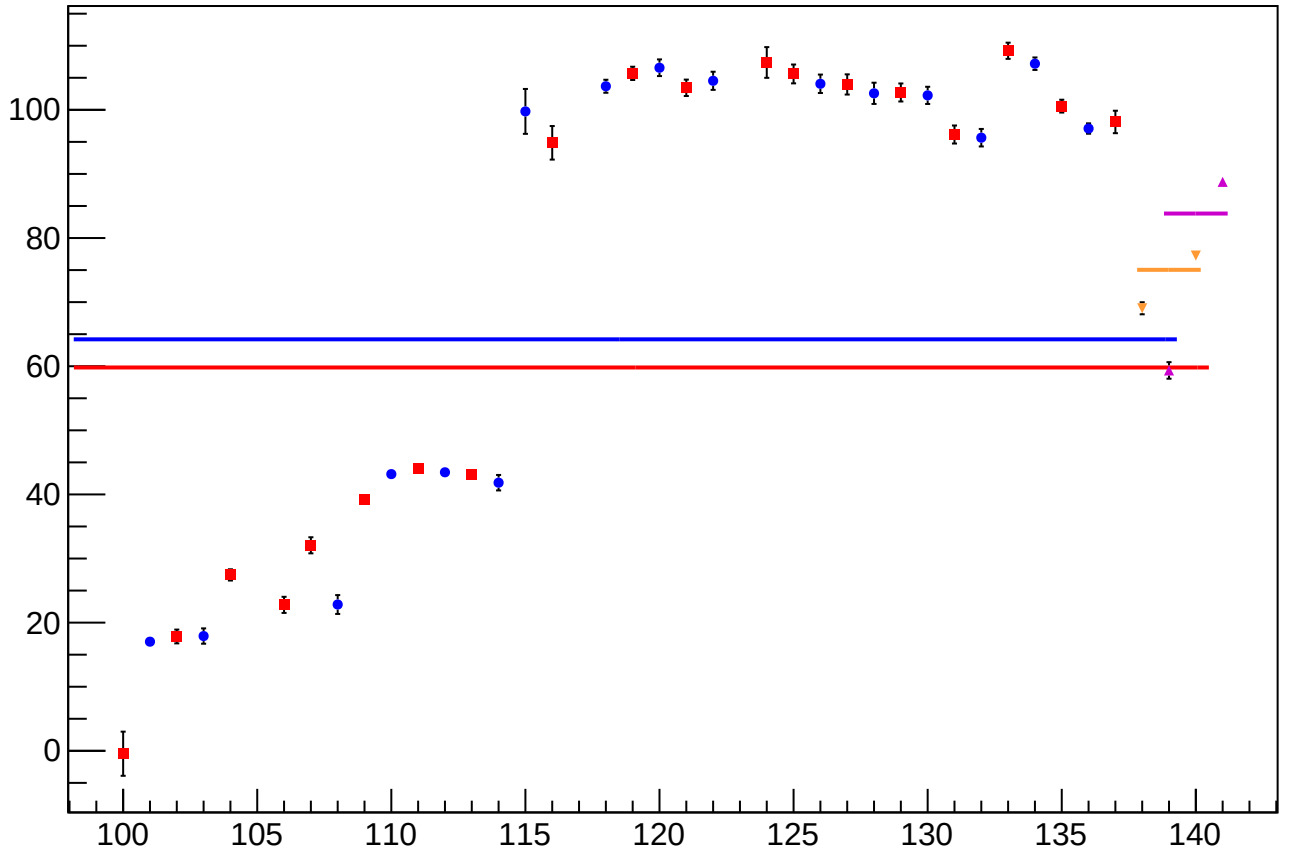
Left: -34.565+/-0.353 χ^2/NDF: 741.7/3

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -40.111+/-0.206 χ^2/NDF:3156.6/17

Out: -36.636+/-0.195 χ^2/NDF:3304.4/20

All: -38.275+/-0.142 χ^2/NDF: 6610.9/38



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 75.039+/-0.490 χ^2/NDF:55.5/1

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 83.821+/-0.530 χ^2/NDF:431.1/1

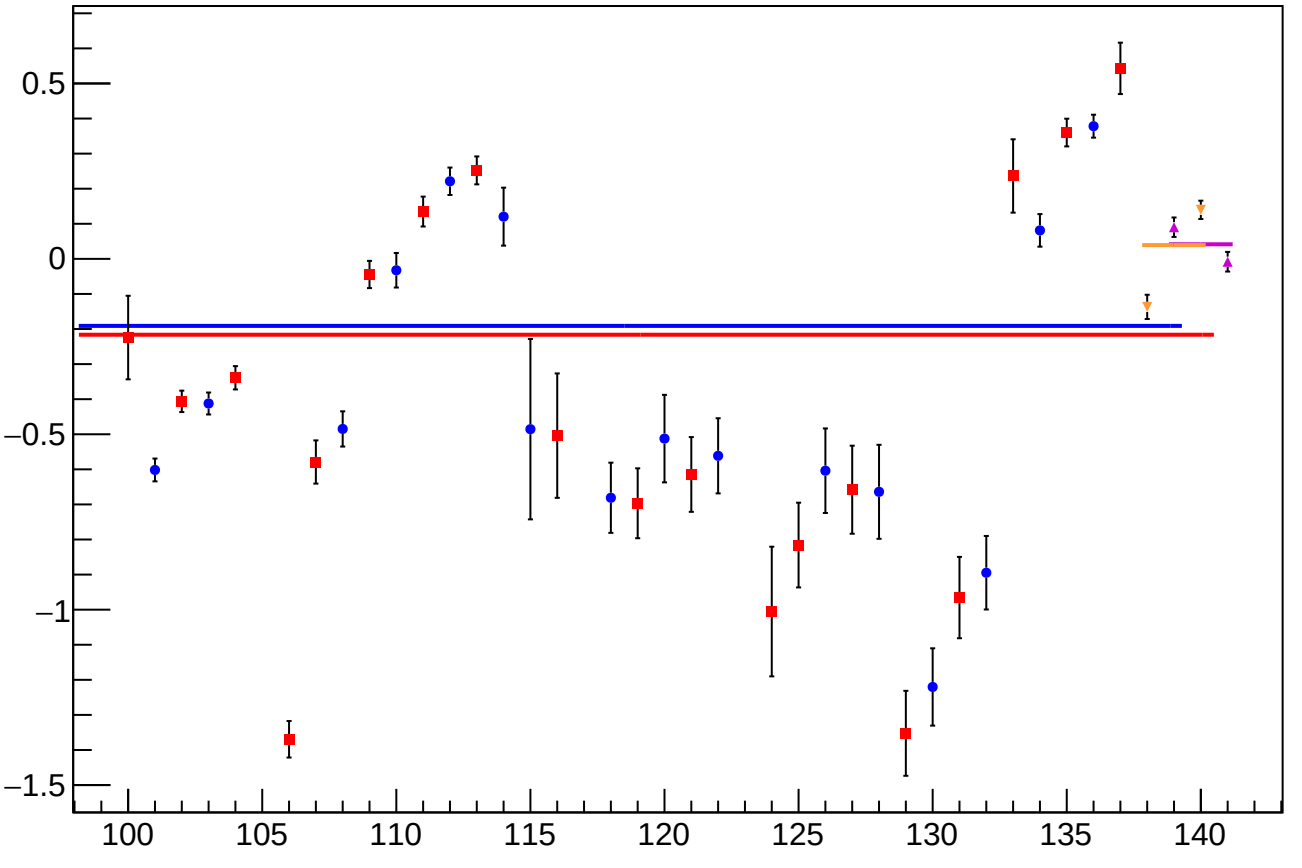
Left: 79.091+/-0.360 χ^2/NDF: 634.6/3

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 67.946+/-0.232 χ^2/NDF:20137.5/17

Out: 62.923+/-0.222 χ^2/NDF:18254.4/20

All: 65.326+/-0.160 χ^2/NDF: 38637.2/38



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.039+/-0.021 χ^2/NDF:40.8/1

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: 0.042+/-0.020 χ^2/NDF:6.2/1

Left: 0.040+/-0.014 χ^2/NDF: 47.0/3

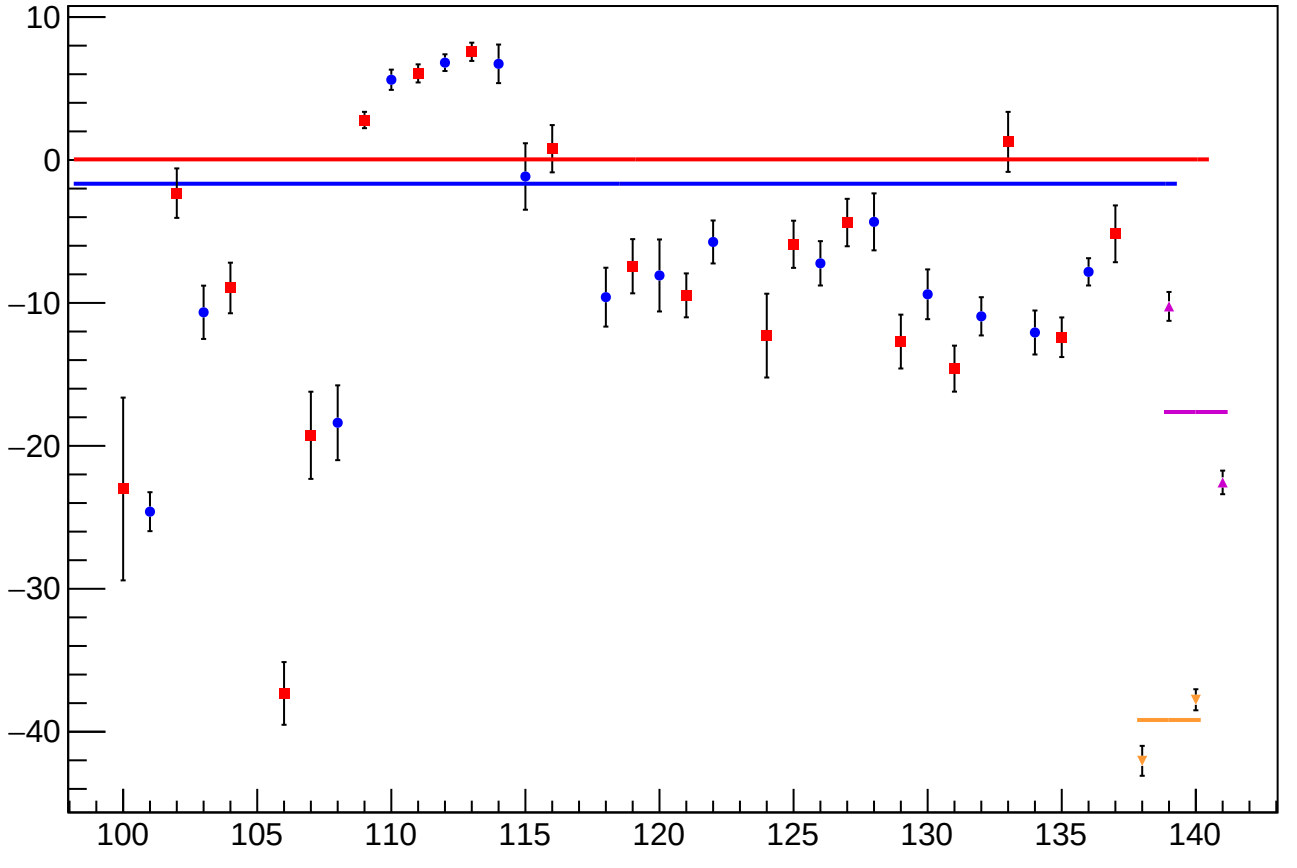
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.117+/-0.011 χ^2/NDF:1019.8/17

Out: -0.145+/-0.011 χ^2/NDF:1517.5/20

All: -0.131+/-0.008 χ^2/NDF: 2540.5/38

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -39.178+/-0.602 χ^2/NDF:11.1/1

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -17.631+/-0.639 χ^2/NDF:89.1/1

Left: -29.039+/-0.438 χ^2/NDF: 702.1/3

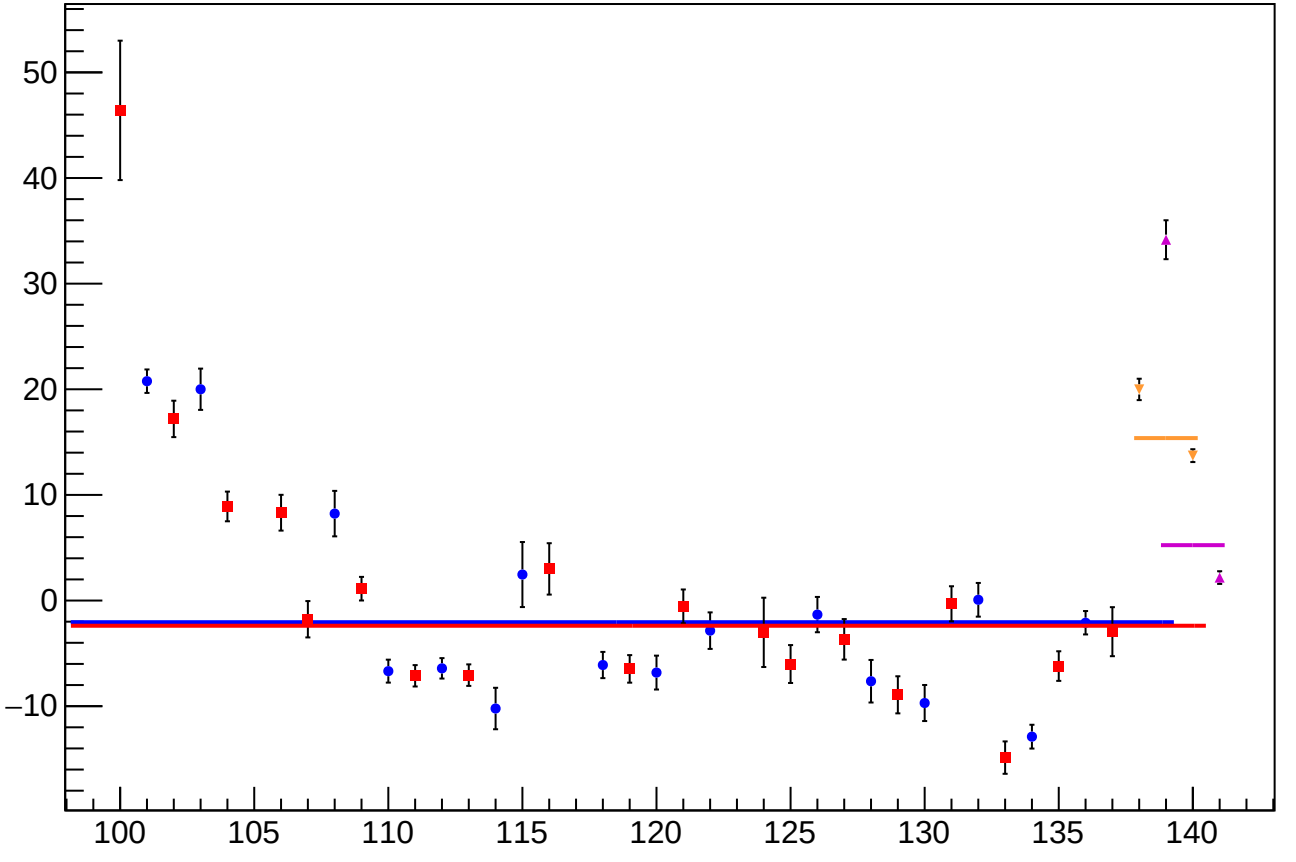
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -4.673+/-0.278 χ^2/NDF:1496.2/17

Out: -7.003+/-0.255 χ^2/NDF:4418.9/20

All: -5.934+/-0.188 χ^2/NDF: 5953.4/38

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 15.380+/-0.521 χ^2/NDF:28.2/1

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 5.244+/-0.571 χ^2/NDF:272.4/1

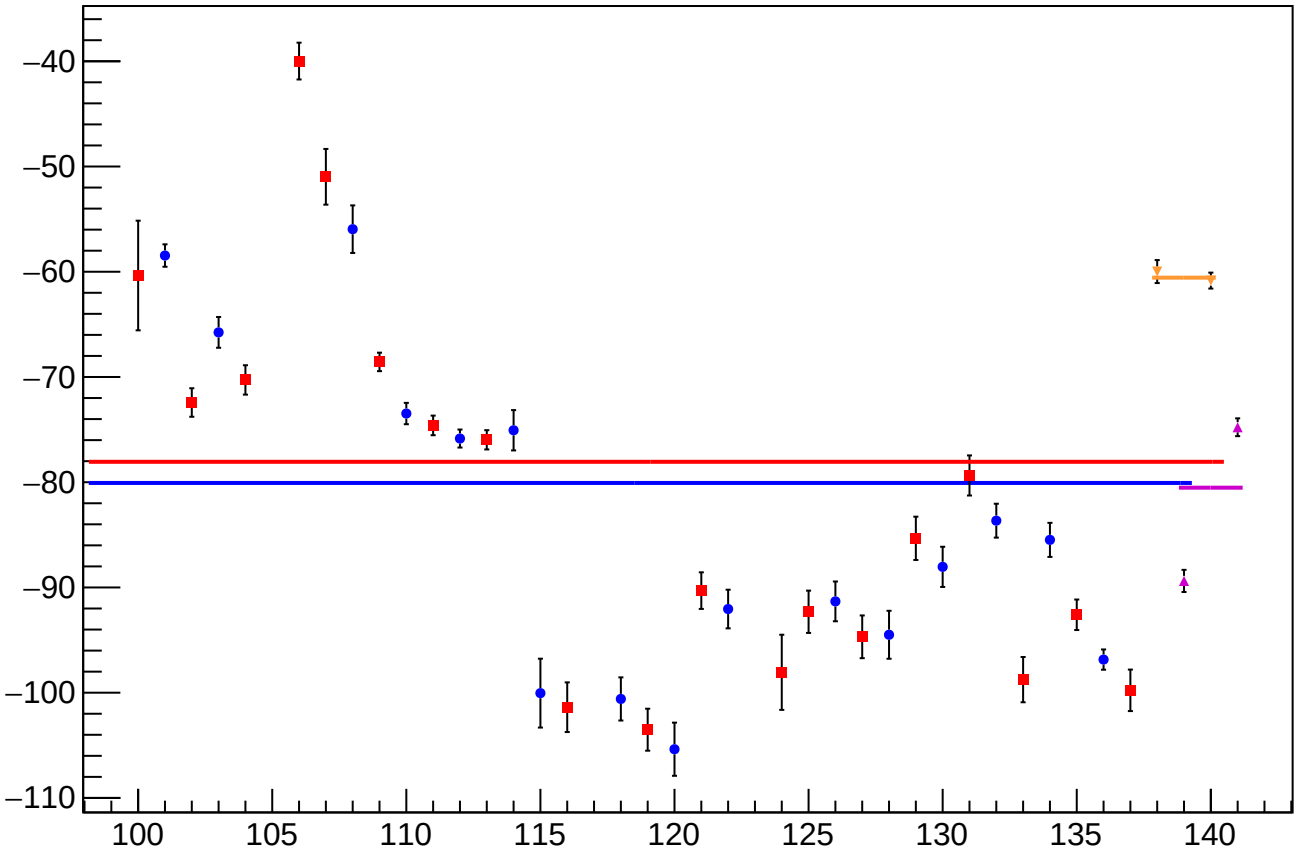
Left: 10.771+/-0.385 χ^2/NDF: 472.6/3

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -0.006+/-0.302 χ^2/NDF:1161.8/17

Out: 3.252+/-0.294 χ^2/NDF:1272.6/20

All: 1.670+/-0.211 χ^2/NDF: 2494.3/38



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -60.563+/-0.622 χ^2/NDF:0.4/1

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -80.519+/-0.659 χ^2/NDF:117.1/1

Left: -69.967+/-0.453 χ^2/NDF: 601.9/3

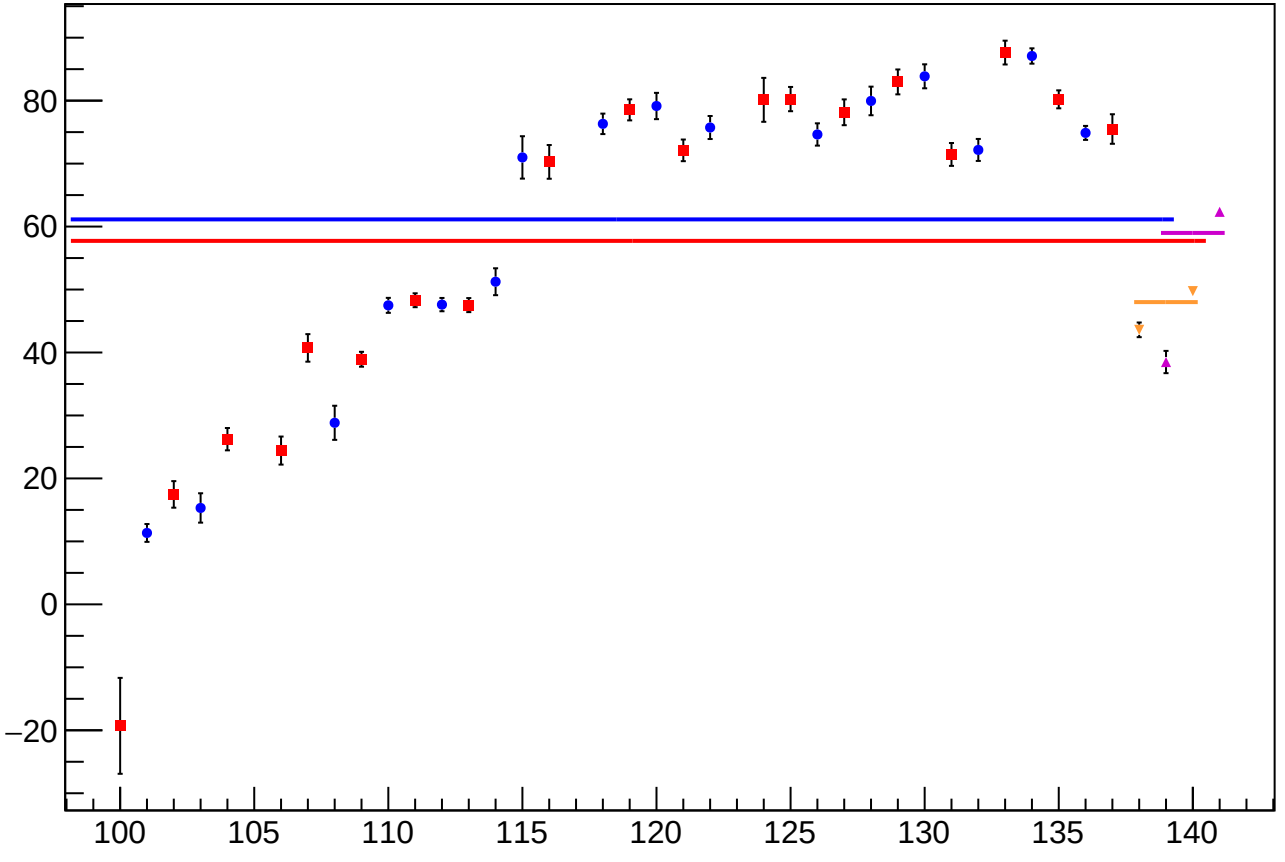
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -80.174+/-0.319 χ^2/NDF:1504.6/17

Out: -73.792+/-0.307 χ^2/NDF:2159.0/20

All: -76.865+/-0.221 χ^2/NDF: 3871.3/38

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 48.005+/-0.620 χ^2/NDF:20.0/1

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 58.990+/-0.663 χ^2/NDF:156.4/1

Left: 53.125+/-0.453 χ^2/NDF: 322.9/3

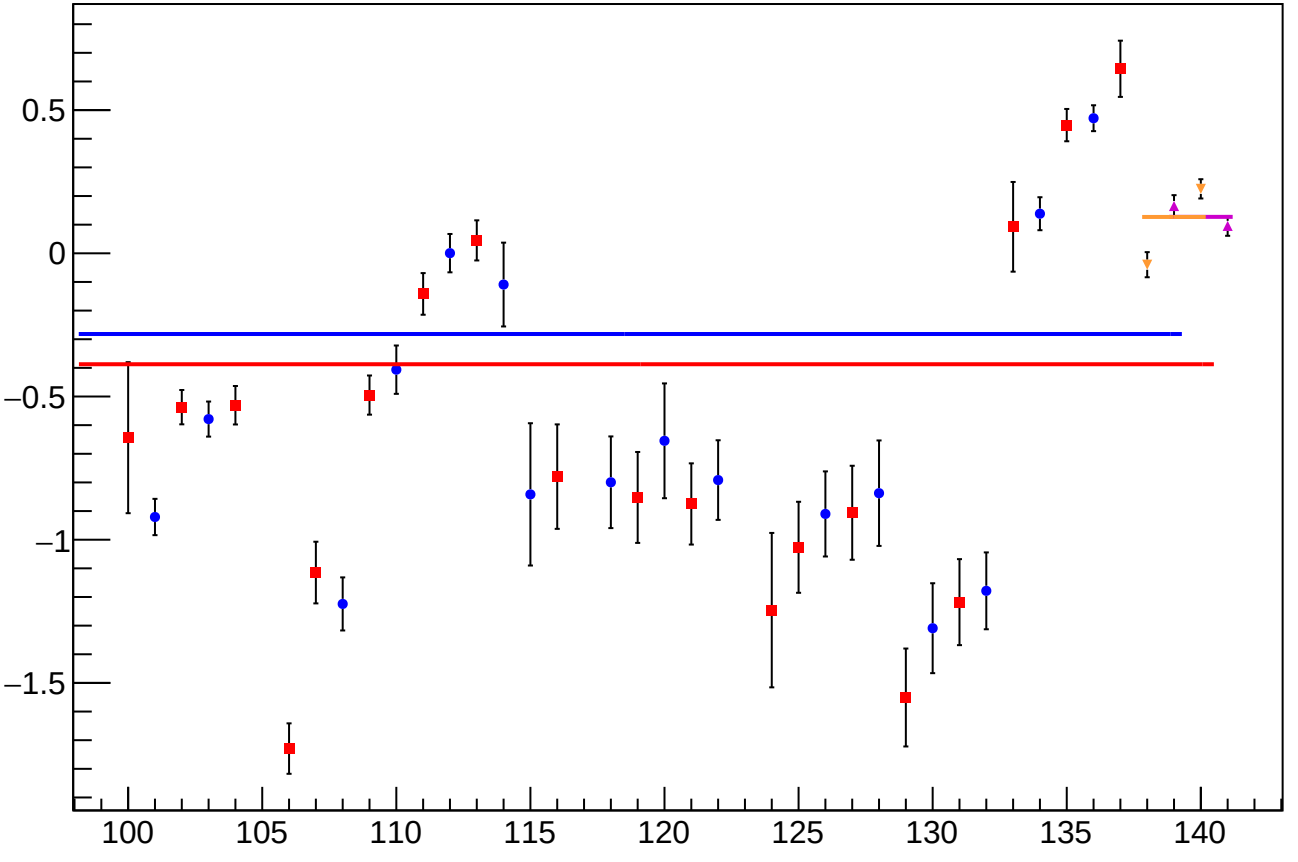
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 60.564+/-0.343 χ^2/NDF:3393.3/17

Out: 54.867+/-0.336 χ^2/NDF:2969.4/20

All: 57.659+/-0.240 χ^2/NDF: 6503.6/38

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.127+/-0.027 χ^2/NDF:23.0/1

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.127+/-0.026 χ^2/NDF:1.8/1

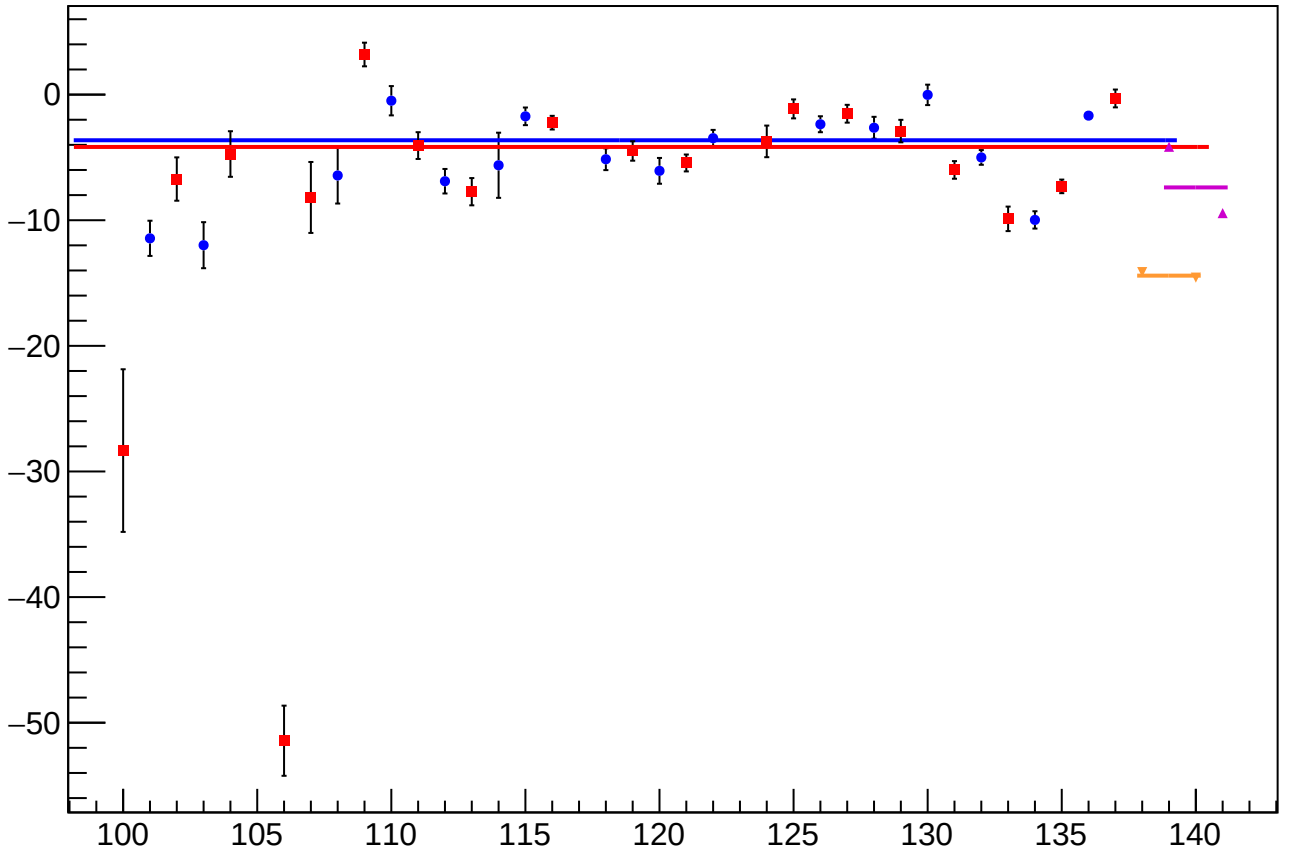
Left: 0.127+/-0.018 χ^2/NDF: 24.8/3

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.111+/-0.017 χ^2/NDF:879.3/17

Out: -0.180+/-0.017 χ^2/NDF:1063.5/20

All: -0.145+/-0.012 χ^2/NDF: 1951.3/38



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -14.411+/-0.213 χ^2/NDF:1.0/1

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -7.388+/-0.229 χ^2/NDF:125.8/1

Left: -11.162+/-0.156 χ^2/NDF: 630.2/3

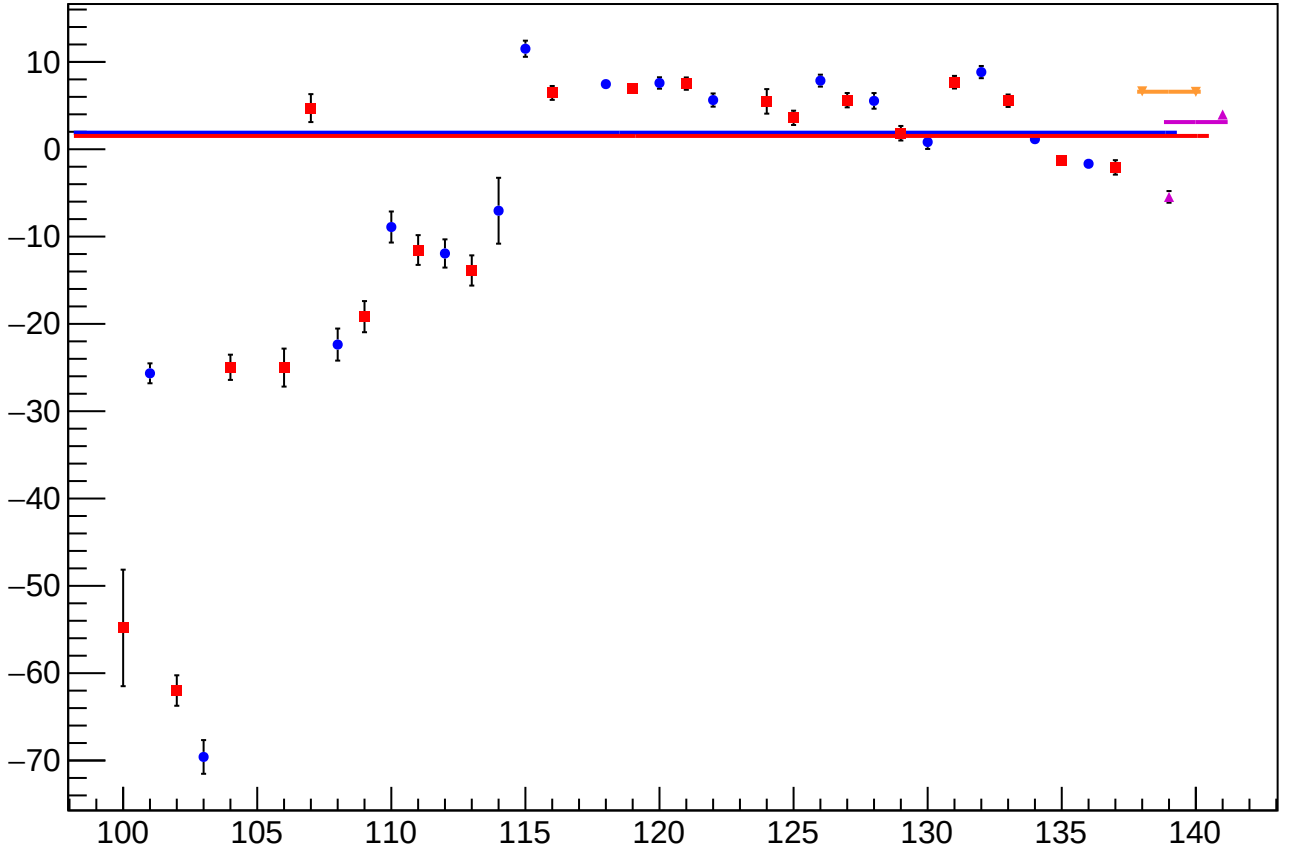
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -5.152+/-0.146 χ^2/NDF:520.0/17

Out: -8.956+/-0.146 χ^2/NDF:1763.9/20

All: -7.058+/-0.103 χ^2/NDF: 2624.6/38

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 6.588+/-0.184 χ^2/NDF:0.0/1

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.112+/-0.203 χ^2/NDF:180.4/1

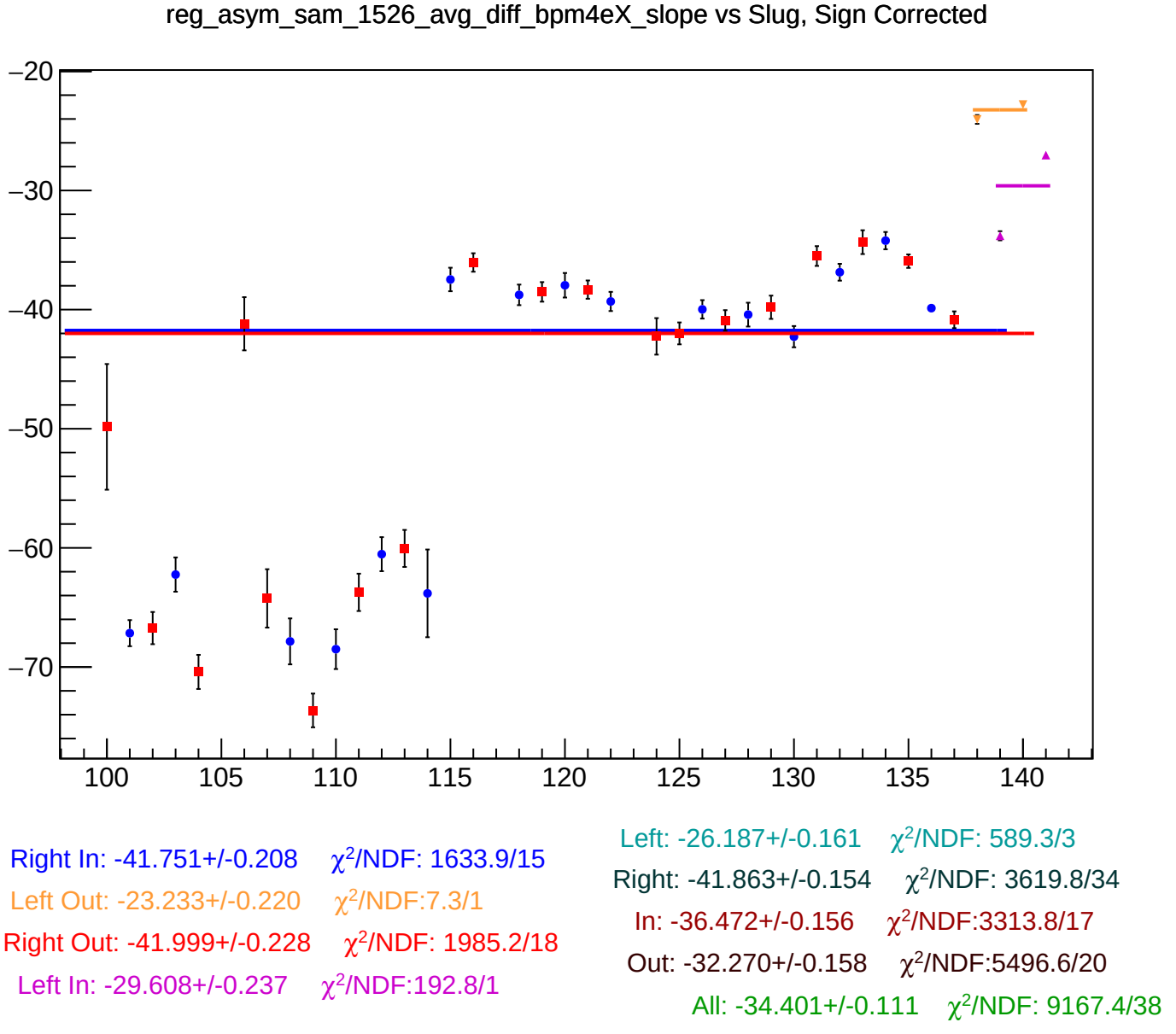
Left: 5.019+/-0.136 χ^2/NDF: 341.5/3

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

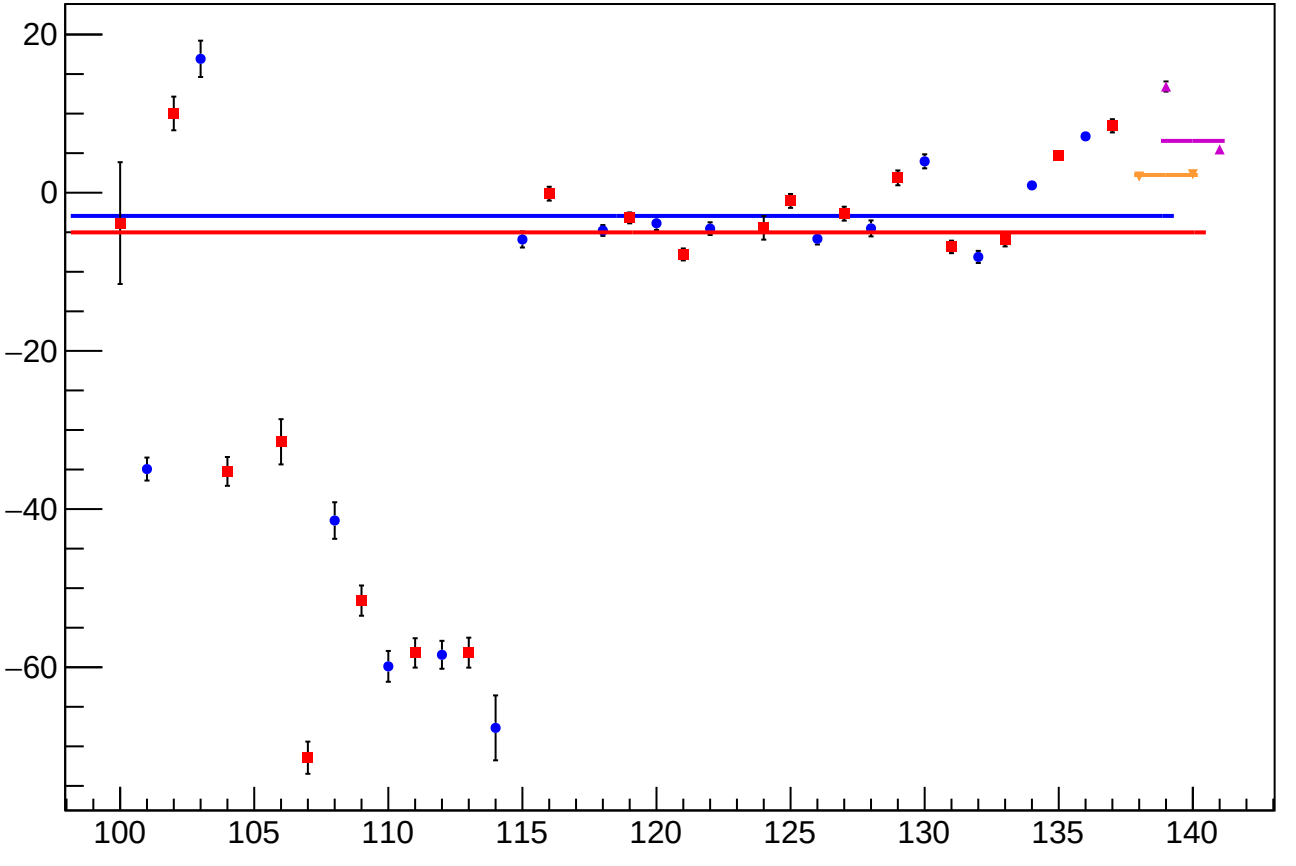
In: 2.462+/-0.138 χ^2/NDF:3037.8/17

Out: 4.368+/-0.138 χ^2/NDF:2891.6/20

All: 3.418+/-0.098 χ^2/NDF: 6024.7/38


reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
100
105
110
115
120
125
130
135
140
Right In: -41.751+/-0.208 χ²/NDF: 1633.9/15
Left Out: -23.233+/-0.220 χ²/NDF:7.3/1
Right Out: -41.999+/-0.228 χ²/NDF: 1985.2/18
Left In: -29.608+/-0.237 χ²/NDF:192.8/1
Left: -26.187+/-0.161 χ²/NDF: 589.3/3
Right: -41.863+/-0.154 χ²/NDF: 3619.8/34
In: -36.472+/-0.156 χ²/NDF:3313.8/17
Out: -32.270+/-0.158 χ²/NDF:5496.6/20
All: -34.401+/-0.111 χ²/NDF: 9167.4/38

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 2.239+/-0.219 χ^2/NDF:0.4/1

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 6.550+/-0.236 χ^2/NDF:132.5/1

Left: 4.231+/-0.161 χ^2/NDF: 312.2/3

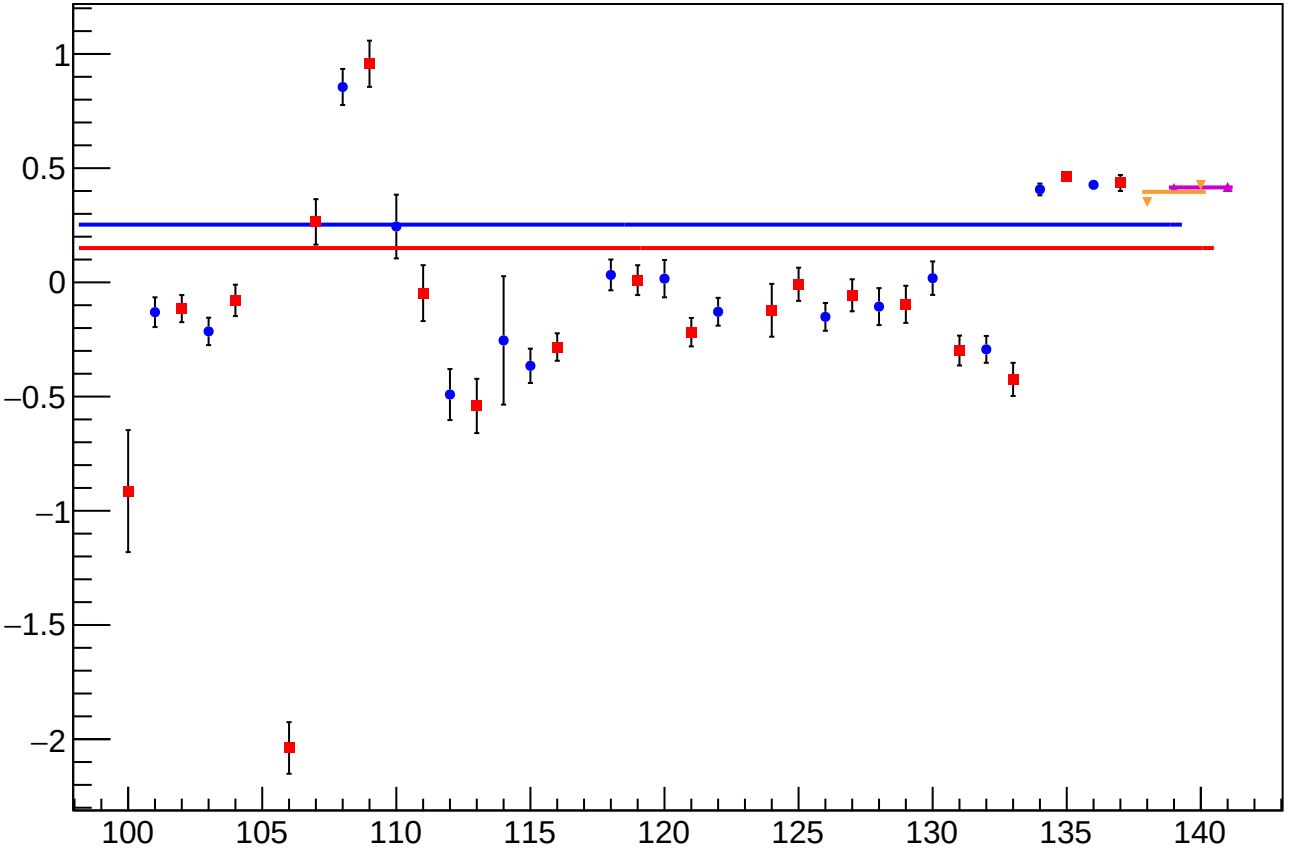
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 1.246+/-0.157 χ^2/NDF:4760.6/17

Out: -1.180+/-0.159 χ^2/NDF:4896.0/20

All: 0.051+/-0.112 χ^2/NDF: 9774.6/38

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.396+/-0.009 χ^2/NDF:15.0/1

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.416+/-0.009 χ^2/NDF:0.1/1

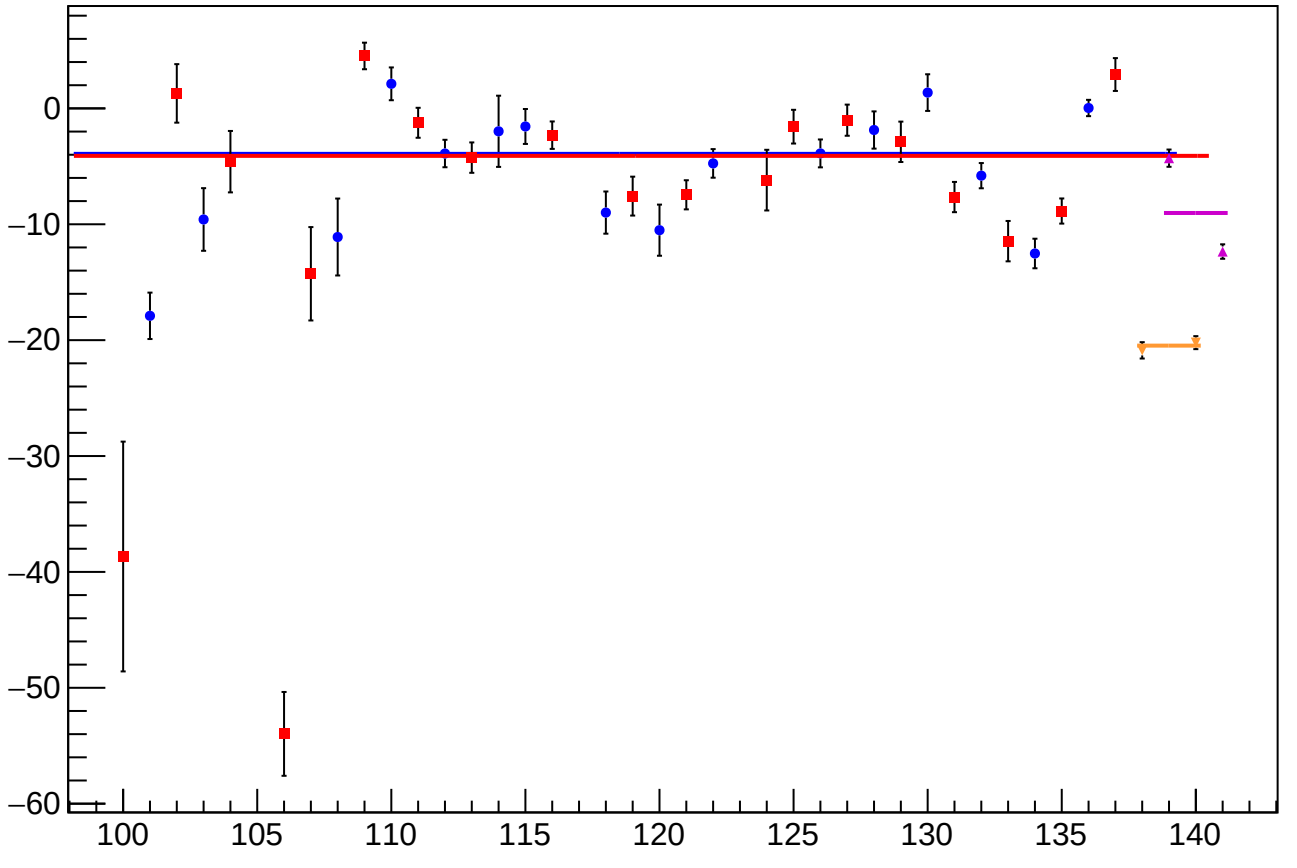
Left: 0.406+/-0.007 χ^2/NDF: 17.2/3

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.352+/-0.007 χ^2/NDF:754.0/17

Out: 0.314+/-0.008 χ^2/NDF:1259.3/20

All: 0.335+/-0.005 χ^2/NDF: 2026.2/38



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -20.472+/-0.439 χ^2/NDF:0.5/1

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -9.025+/-0.479 χ^2/NDF:68.7/1

Left: -15.239+/-0.324 χ^2/NDF: 379.8/3

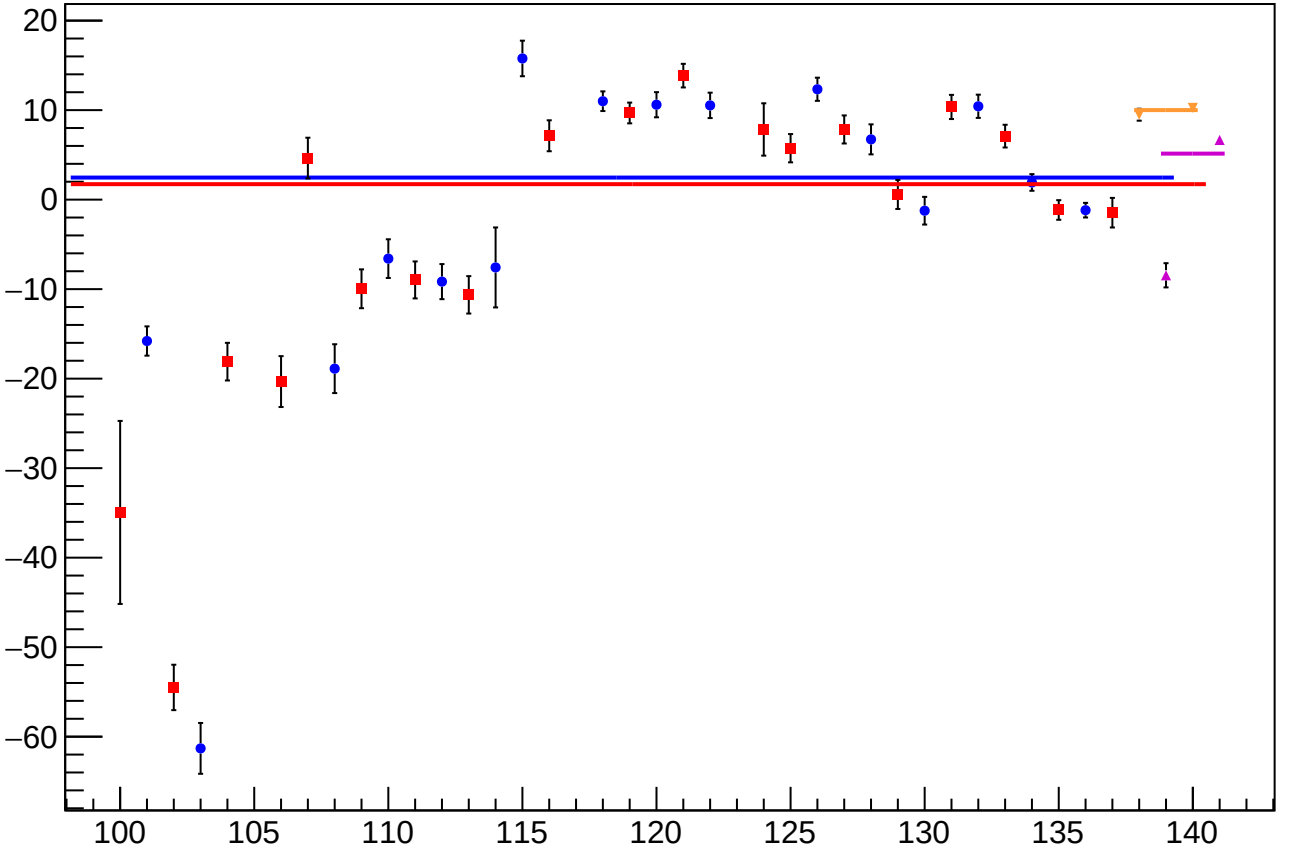
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -5.675+/-0.280 χ^2/NDF:332.2/17

Out: -10.608+/-0.277 χ^2/NDF:1204.9/20

All: -8.172+/-0.197 χ^2/NDF: 1693.7/38

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 10.003+/-0.380 χ^2/NDF:0.9/1

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 5.141+/-0.430 χ^2/NDF:112.2/1

Left: 7.873+/-0.285 χ^2/NDF: 185.0/3

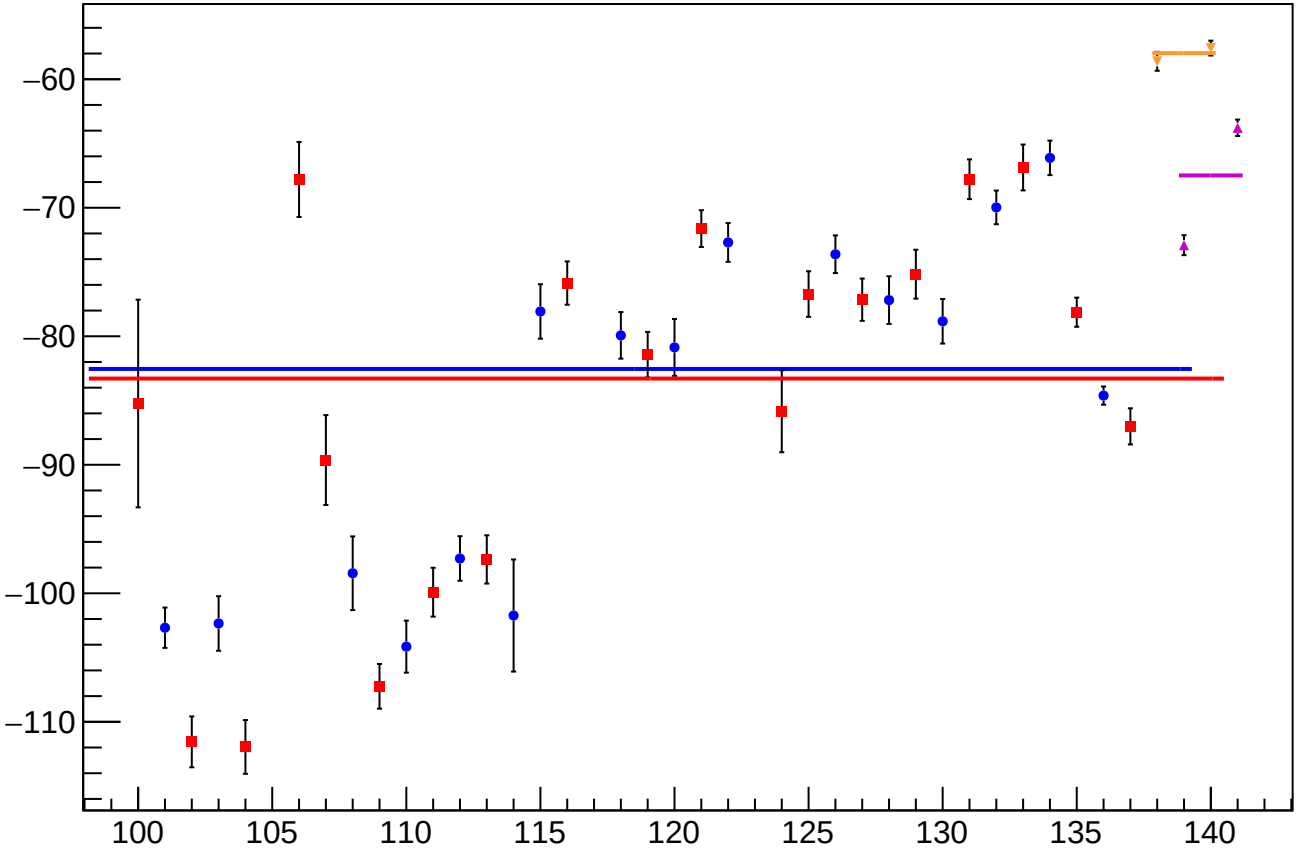
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.556+/-0.275 χ^2/NDF:1181.9/17

Out: 5.935+/-0.271 χ^2/NDF:1217.5/20

All: 4.763+/-0.193 χ^2/NDF: 2437.5/38

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -57.967+/-0.454 χ^2/NDF:1.2/1

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -67.486+/-0.494 χ^2/NDF:82.4/1

Left: -62.327+/-0.334 χ^2/NDF: 284.9/3

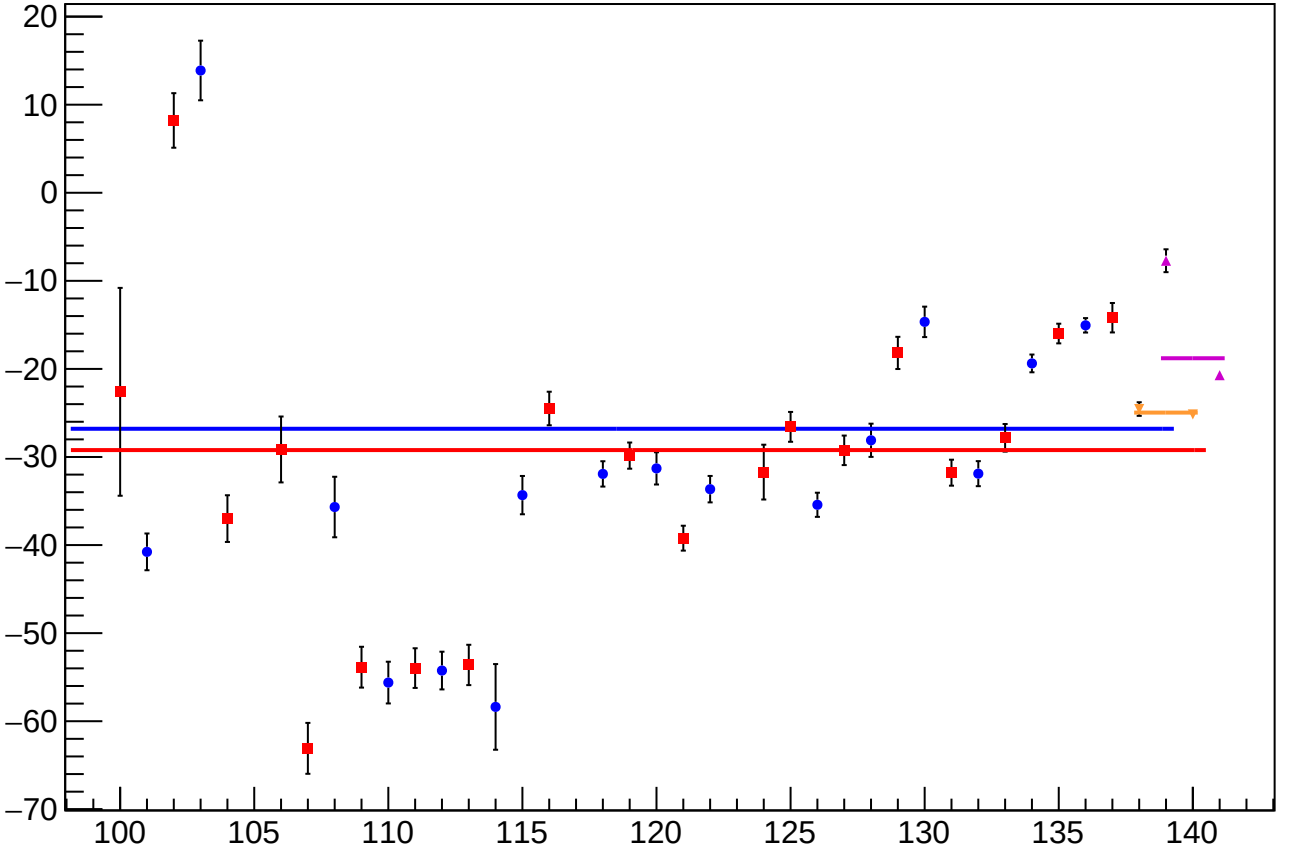
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -76.864+/-0.303 χ^2/NDF:1500.0/17

Out: -71.786+/-0.306 χ^2/NDF:2791.3/20

All: -74.348+/-0.215 χ^2/NDF: 4430.2/38

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -24.959+/-0.451 χ^2/NDF:0.4/1

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -18.789+/-0.499 χ^2/NDF:85.3/1

Left: -22.185+/-0.335 χ^2/NDF: 169.7/3

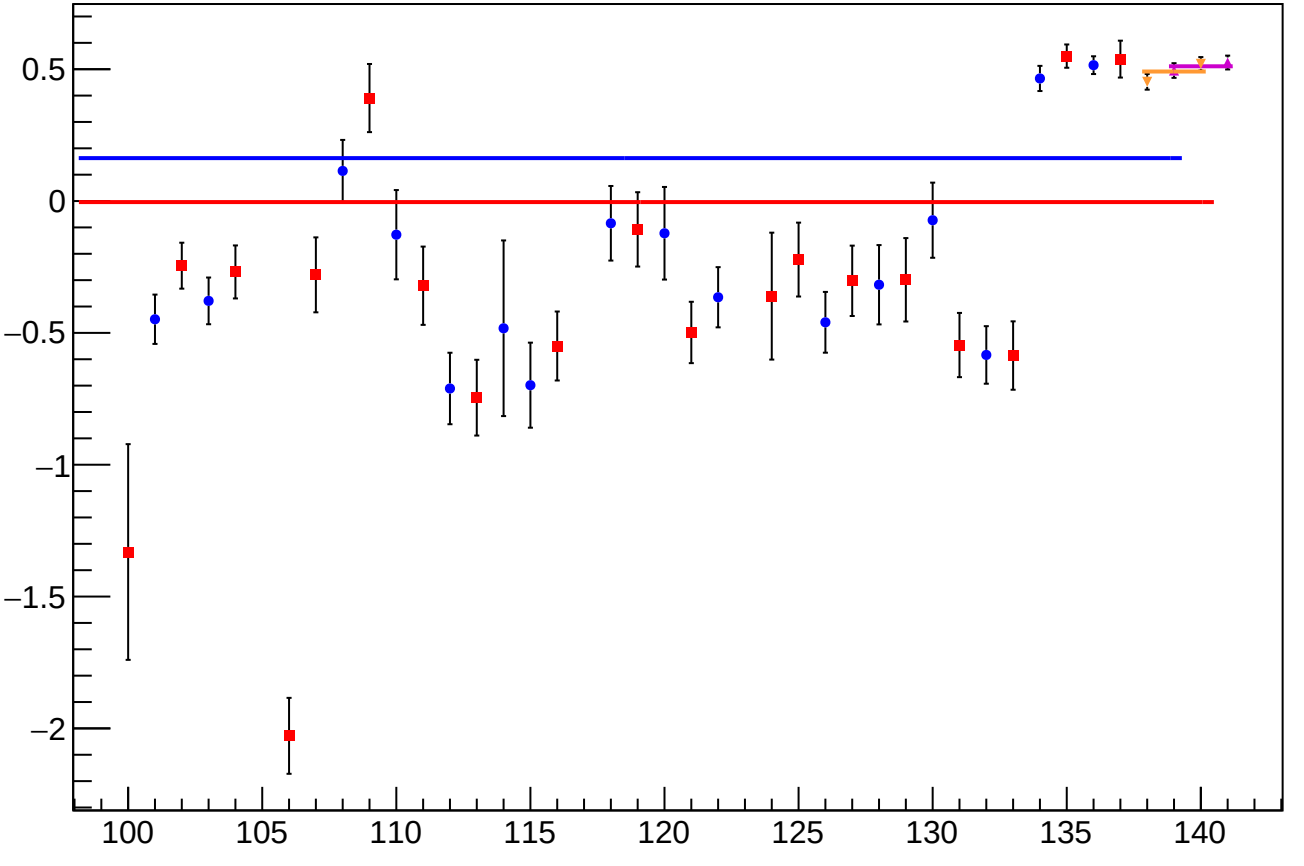
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -23.709+/-0.310 χ^2/NDF:1206.7/17

Out: -27.186+/-0.312 χ^2/NDF:1007.6/20

All: -25.438+/-0.220 χ^2/NDF: 2276.8/38

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.491+/-0.019 χ^2/NDF:3.0/1

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.511+/-0.019 χ^2/NDF:0.6/1

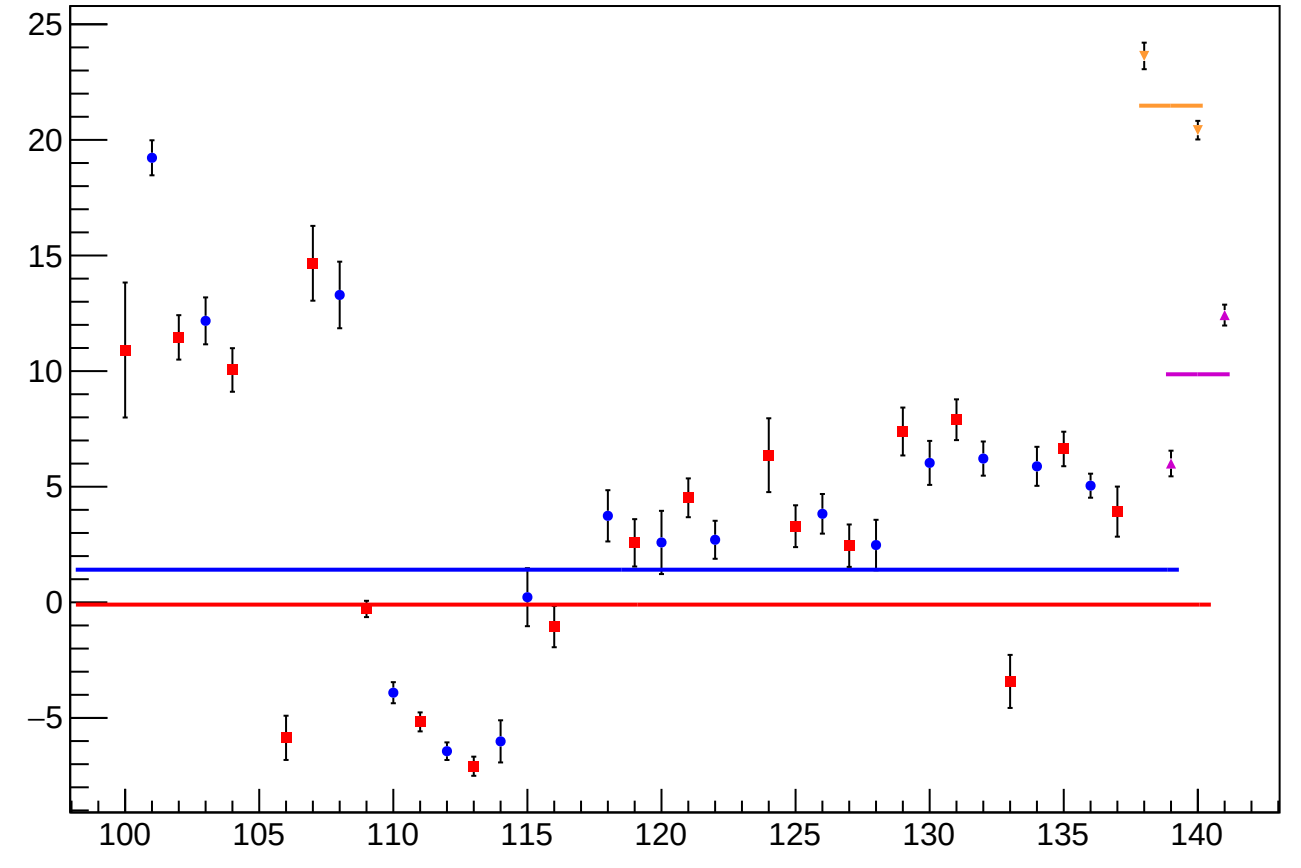
Left: 0.501+/-0.014 χ^2/NDF: 4.2/3

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.357+/-0.014 χ^2/NDF:570.6/17

Out: 0.299+/-0.015 χ^2/NDF:828.0/20

All: 0.330+/-0.010 χ^2/NDF: 1406.3/38



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 21.480+/-0.330 χ^2/NDF:21.0/1

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 9.863+/-0.350 χ^2/NDF:80.5/1

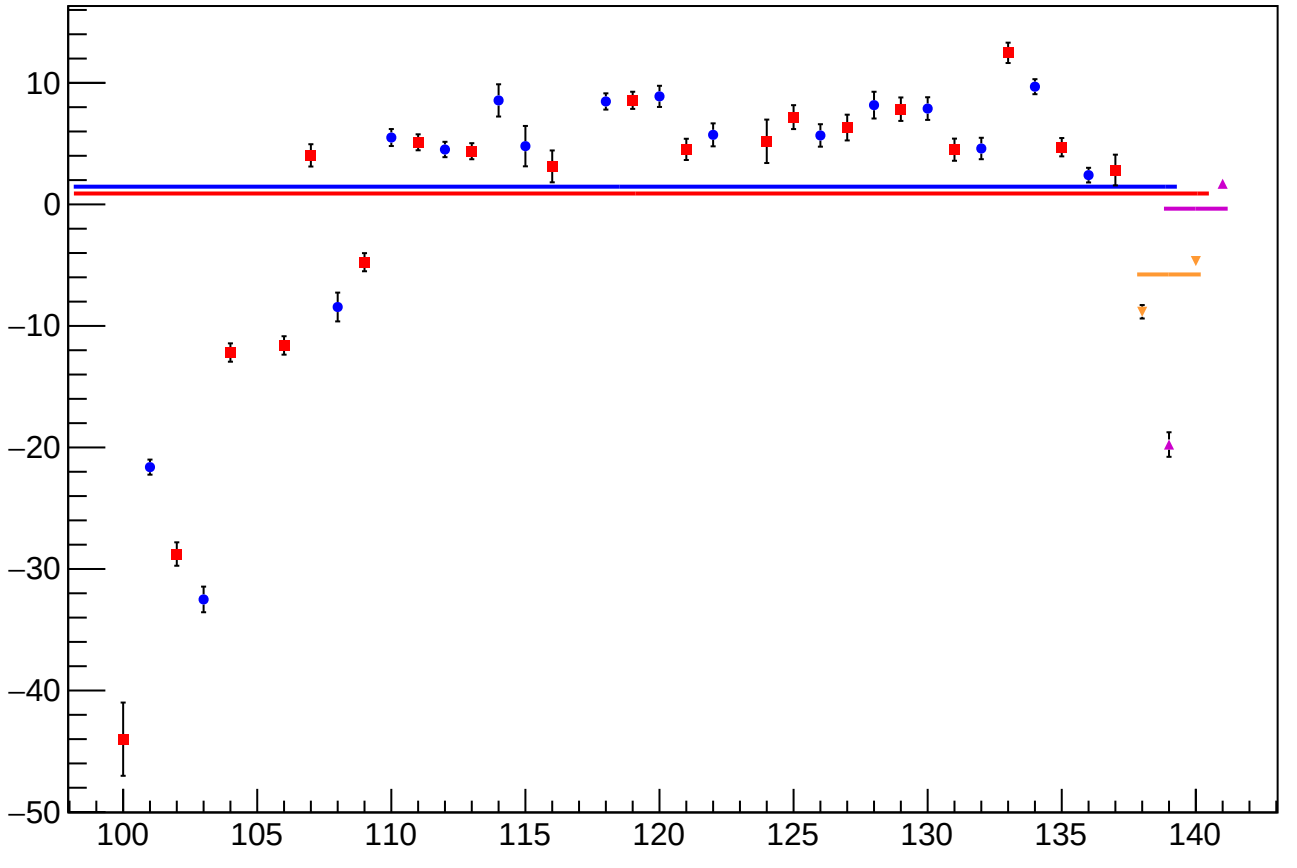
Left: 16.025+/-0.240 χ^2/NDF: 685.1/3

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 3.226+/-0.162 χ^2/NDF:2059.9/17

Out: 4.327+/-0.149 χ^2/NDF:4576.3/20

All: 3.823+/-0.110 χ^2/NDF: 6661.1/38



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: -5.764+/-0.285 χ^2/NDF:41.7/1

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: -0.352+/-0.313 χ^2/NDF:407.4/1

Left: -3.307+/-0.211 χ^2/NDF: 612.8/3

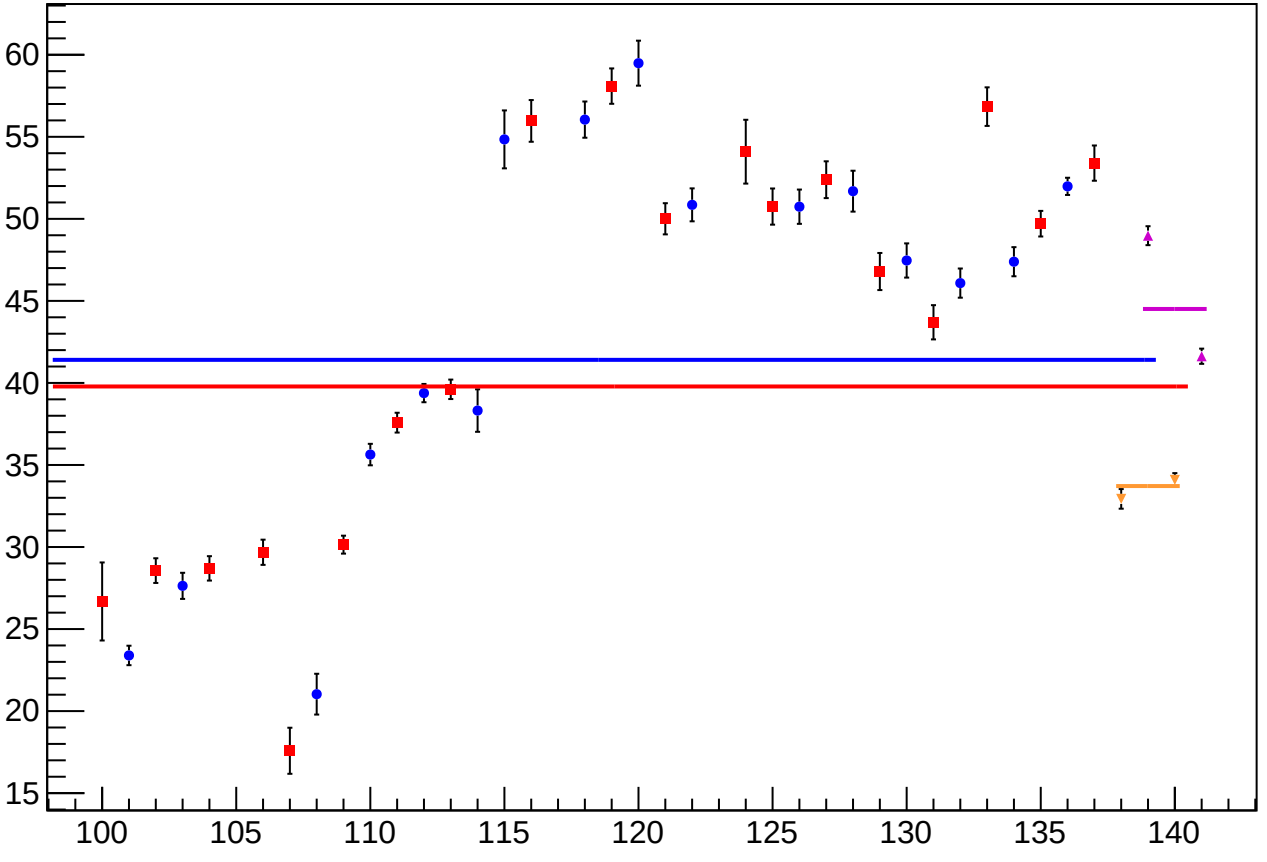
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 0.920+/-0.170 χ^2/NDF:3511.2/17

Out: -1.331+/-0.165 χ^2/NDF:2782.2/20

All: -0.244+/-0.119 χ^2/NDF: 6383.6/38

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 33.715+/-0.340 χ^2/NDF:2.5/1

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 44.508+/-0.361 χ^2/NDF:98.5/1

Left: 38.791+/-0.248 χ^2/NDF: 573.6/3

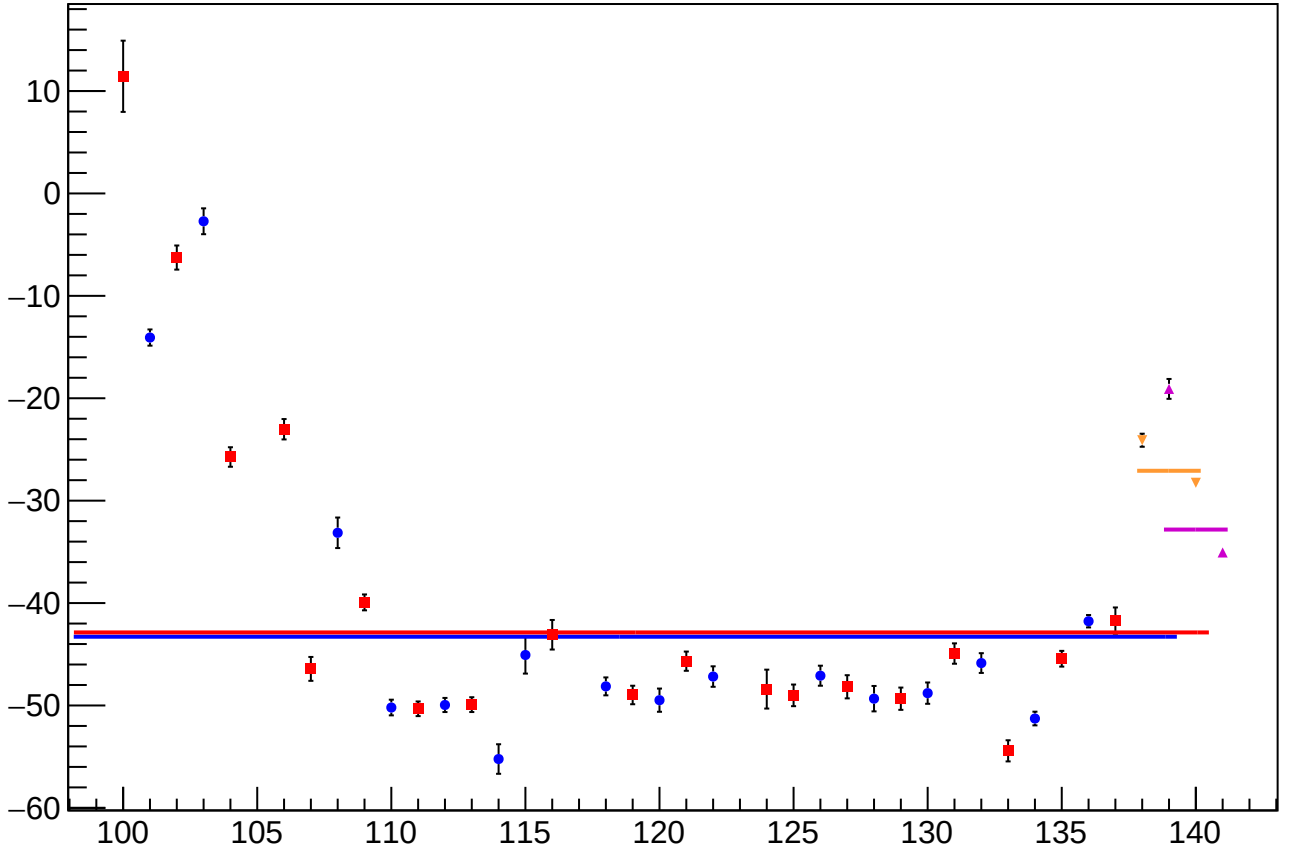
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 42.193+/-0.182 χ^2/NDF:2899.5/17

Out: 38.194+/-0.174 χ^2/NDF:2890.8/20

All: 40.107+/-0.126 χ^2/NDF: 6042.3/38

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -27.082+/-0.339 χ^2/NDF:30.4/1

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -32.822+/-0.363 χ^2/NDF:233.0/1

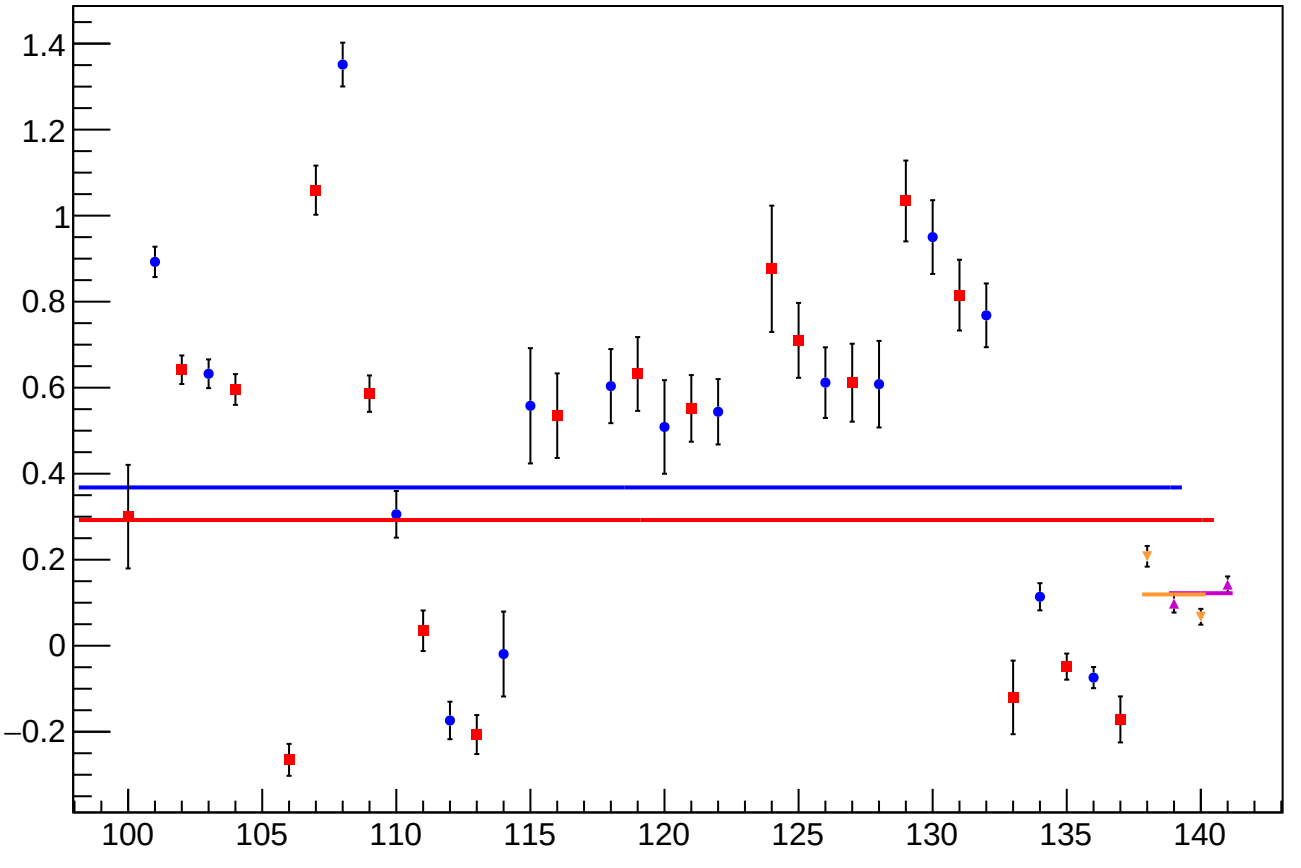
Left: -29.753+/-0.248 χ^2/NDF: 396.9/3

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -40.303+/-0.194 χ^2/NDF:3811.6/17

Out: -37.917+/-0.190 χ^2/NDF:3974.2/20

All: -39.084+/-0.136 χ^2/NDF: 7863.0/38



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.119+/-0.015 χ^2/NDF:21.6/1

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.122+/-0.014 χ^2/NDF:2.5/1

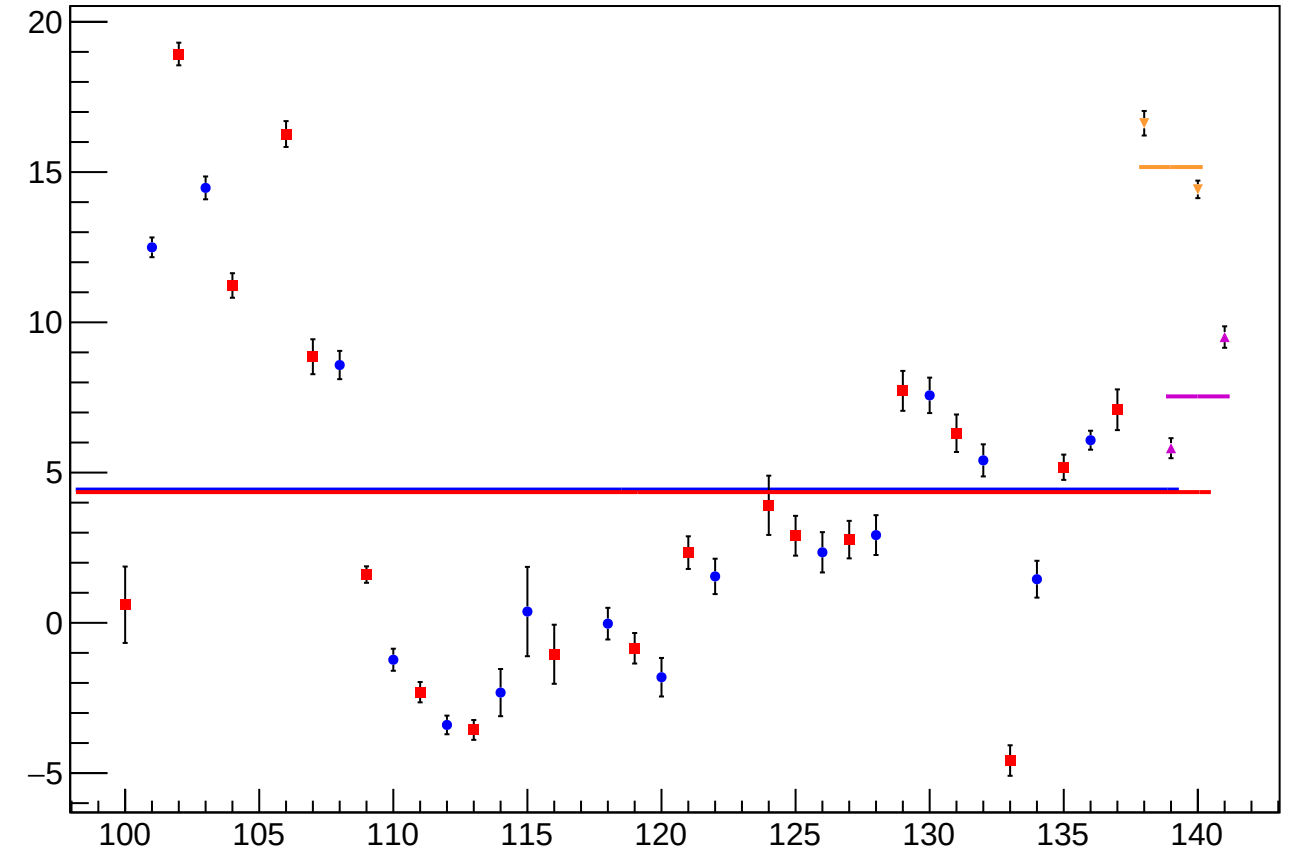
Left: 0.121+/-0.010 χ^2/NDF: 24.1/3

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.262+/-0.009 χ^2/NDF:1498.6/17

Out: 0.222+/-0.009 χ^2/NDF:1304.0/20

All: 0.242+/-0.007 χ^2/NDF: 2811.9/38



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 15.167+/-0.237 χ^2/NDF:19.2/1

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 7.536+/-0.244 χ^2/NDF:57.4/1

Left: 11.450+/-0.170 χ^2/NDF: 580.2/3

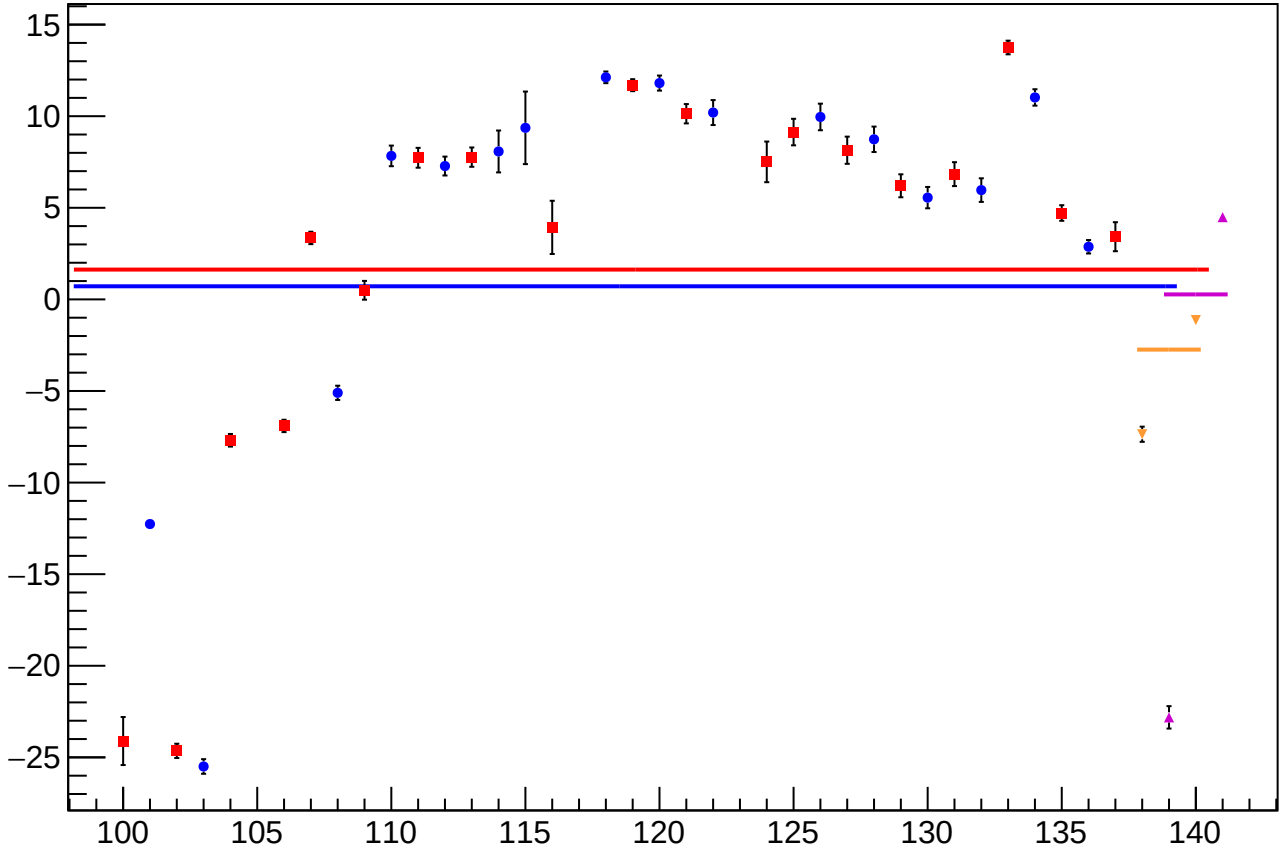
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 5.016+/-0.105 χ^2/NDF:2811.1/17

Out: 6.238+/-0.099 χ^2/NDF:5939.2/20

All: 5.664+/-0.072 χ^2/NDF: 8821.5/38

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: -2.741+/-0.211 χ^2/NDF:168.0/1

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 0.272+/-0.240 χ^2/NDF:1684.1/1

Left: -1.433+/-0.158 χ^2/NDF: 1940.9/3

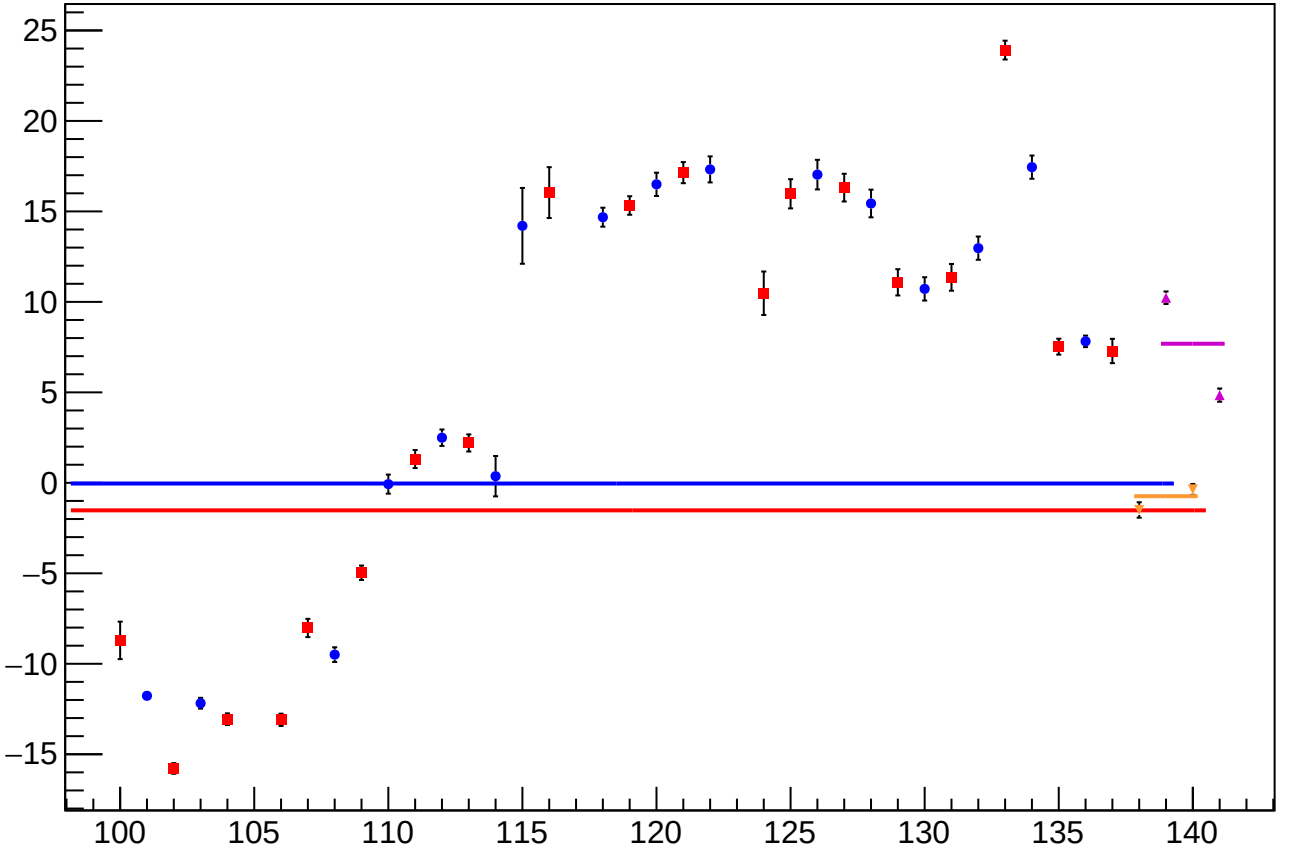
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 0.631+/-0.104 χ^2/NDF:12140.8/17

Out: 0.676+/-0.098 χ^2/NDF:9760.3/20

All: 0.655+/-0.072 χ^2/NDF: 21901.1/38

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: -0.739+/-0.245 χ^2/NDF:4.8/1

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 7.687+/-0.252 χ^2/NDF:114.0/1

Left: 3.367+/-0.176 χ^2/NDF: 693.6/3

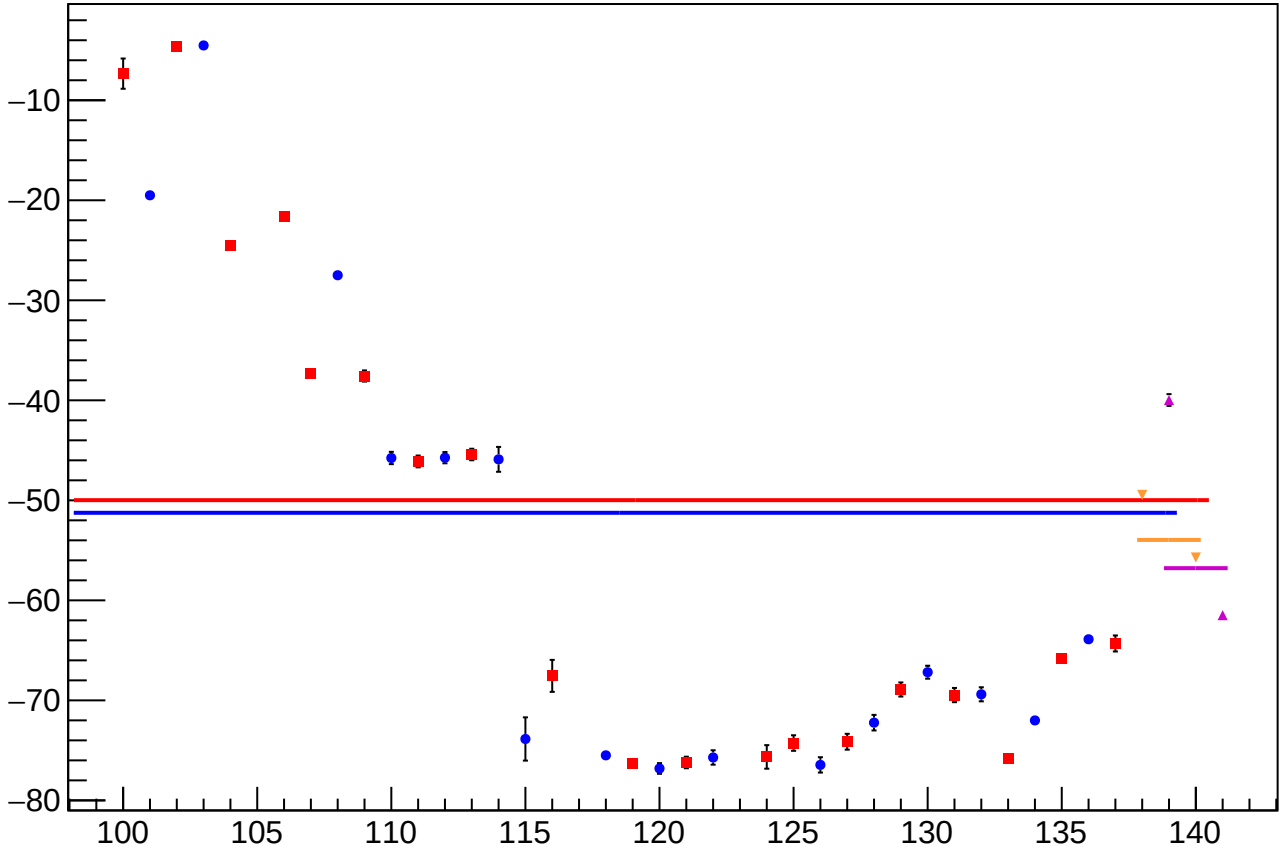
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 1.381+/-0.108 χ^2/NDF:10157.6/17

Out: -1.380+/-0.104 χ^2/NDF:12143.3/20

All: -0.047+/-0.075 χ^2/NDF: 22639.9/38

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -53.959+/-0.249 χ^2/NDF:127.5/1

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -56.782+/-0.275 χ^2/NDF:1047.1/1

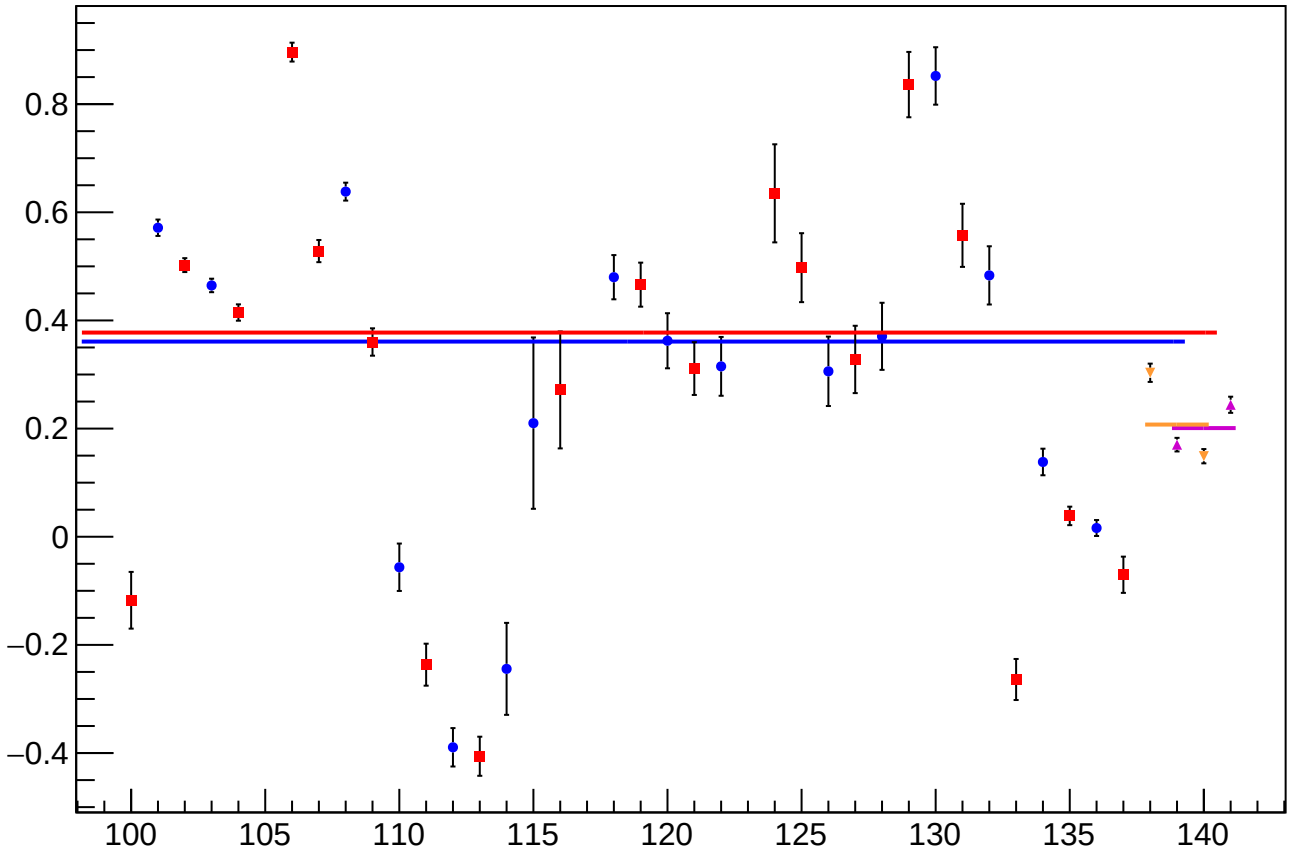
Left: -55.233+/-0.185 χ^2/NDF: 1232.5/3

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -52.333+/-0.122 χ^2/NDF:35138.9/17

Out: -50.841+/-0.116 χ^2/NDF:34219.7/20

All: -51.549+/-0.084 χ^2/NDF: 69437.5/38



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.207+/-0.010 χ^2/NDF:51.7/1

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.201+/-0.010 χ^2/NDF:14.3/1

Left: 0.204+/-0.007 χ^2/NDF: 66.2/3

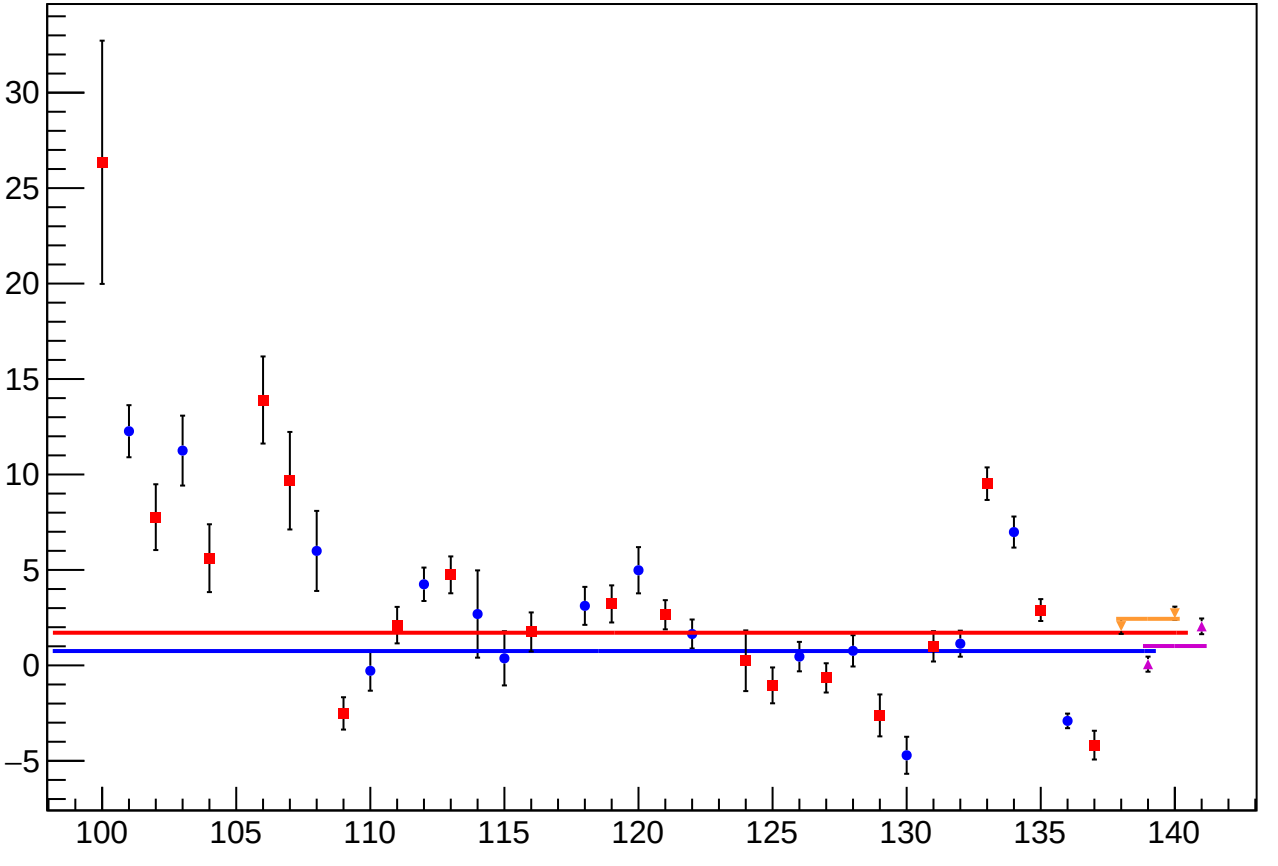
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.312+/-0.005 χ^2/NDF:2066.6/17

Out: 0.334+/-0.005 χ^2/NDF:3040.8/20

All: 0.323+/-0.004 χ^2/NDF: 5115.8/38

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.439+/-0.265 χ^2/NDF:1.6/1

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 1.014+/-0.285 χ^2/NDF:12.1/1

Left: 1.778+/-0.194 χ^2/NDF: 27.1/3

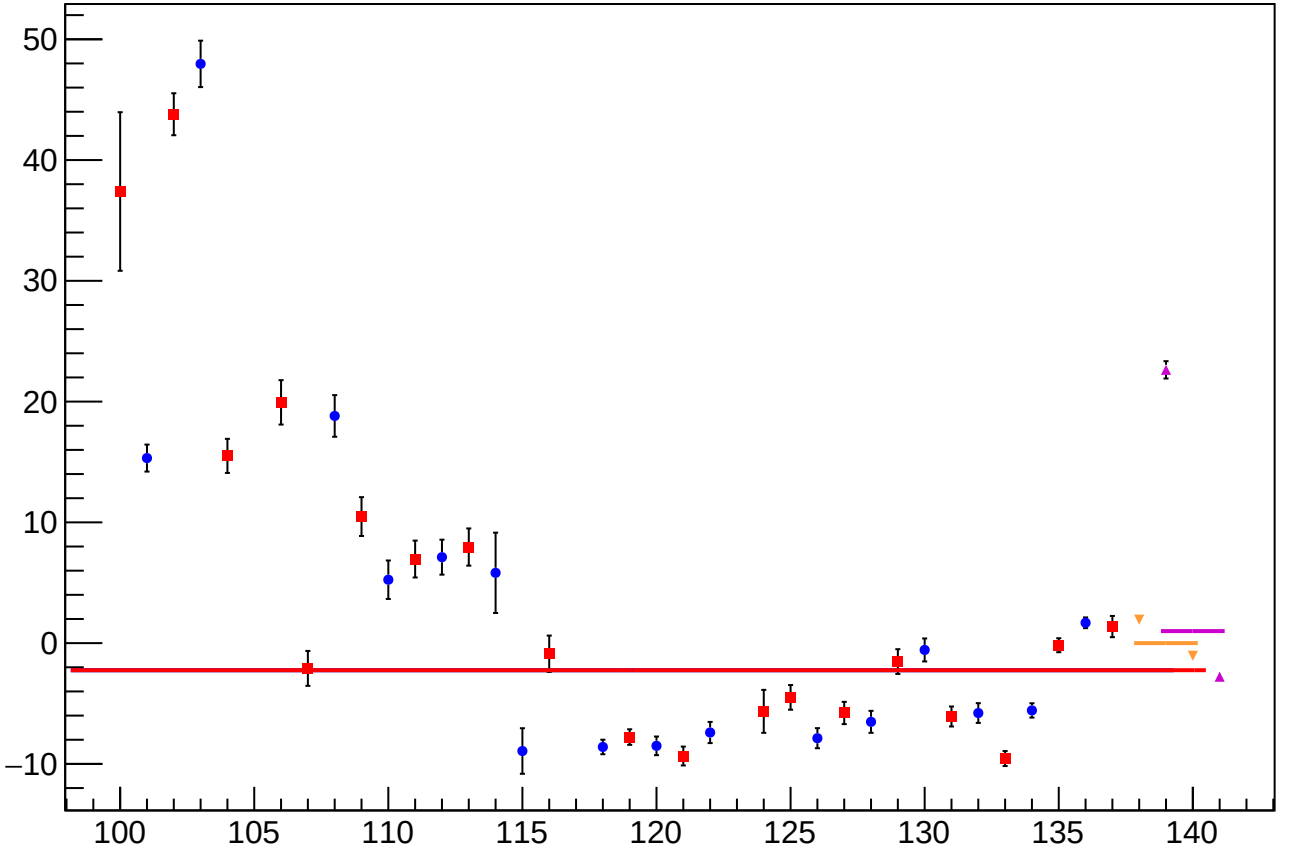
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.845+/-0.170 χ^2/NDF:342.7/17

Out: 2.013+/-0.170 χ^2/NDF:299.9/20

All: 1.428+/-0.120 χ^2/NDF: 666.1/38

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: 0.001+/-0.234 χ^2/NDF:37.0/1

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: 0.997+/-0.277 χ^2/NDF:1066.1/1

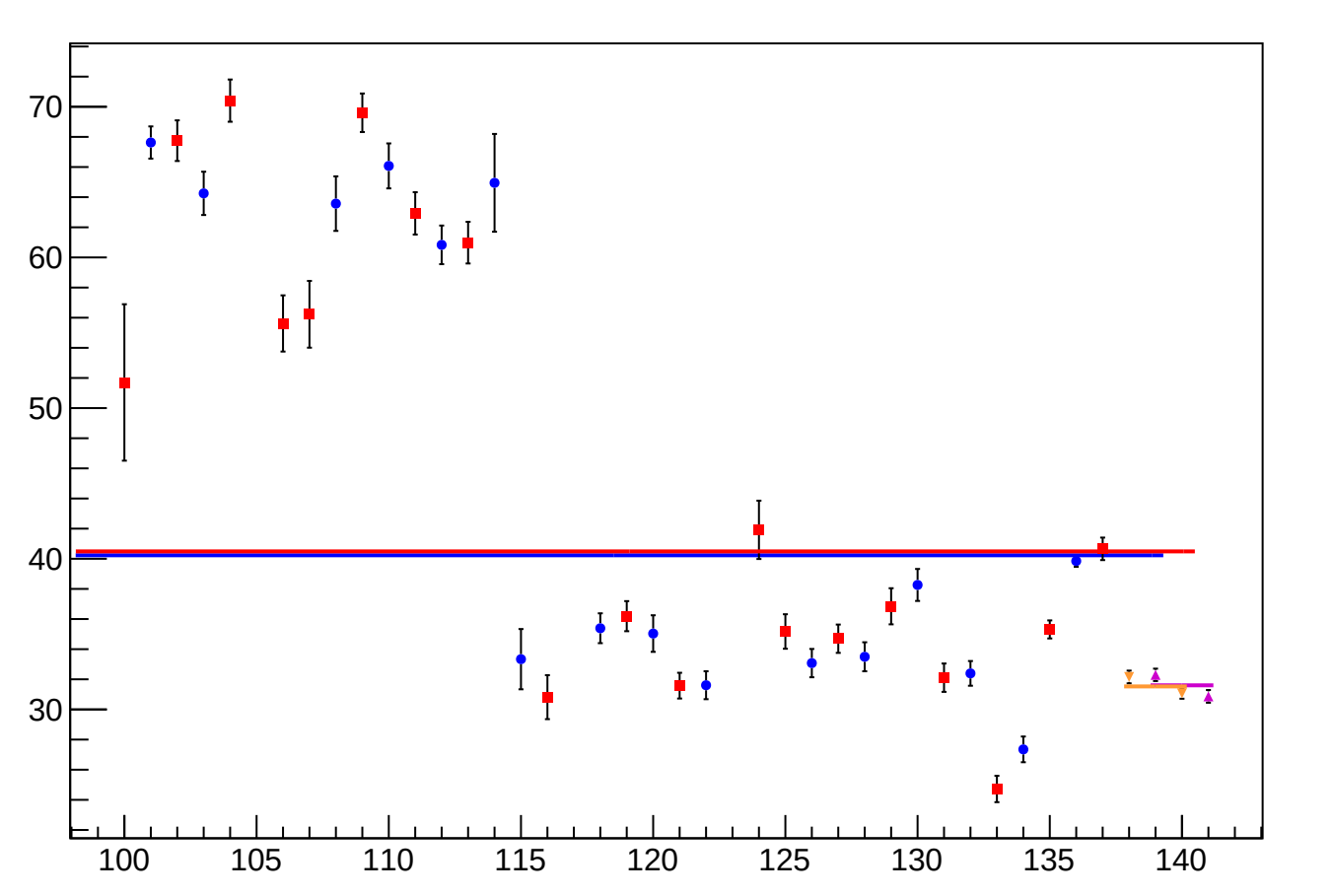
Left: 0.416+/-0.179 χ^2/NDF: 1110.7/3

Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -1.023+/-0.170 χ^2/NDF:2724.1/17

Out: -1.146+/-0.164 χ^2/NDF:1639.5/20

All: -1.087+/-0.118 χ^2/NDF: 4363.9/38



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 31.528+/-0.274 χ^2/NDF:3.8/1

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 31.601+/-0.294 χ^2/NDF:5.9/1

Left: 31.562+/-0.200 χ^2/NDF: 9.7/3

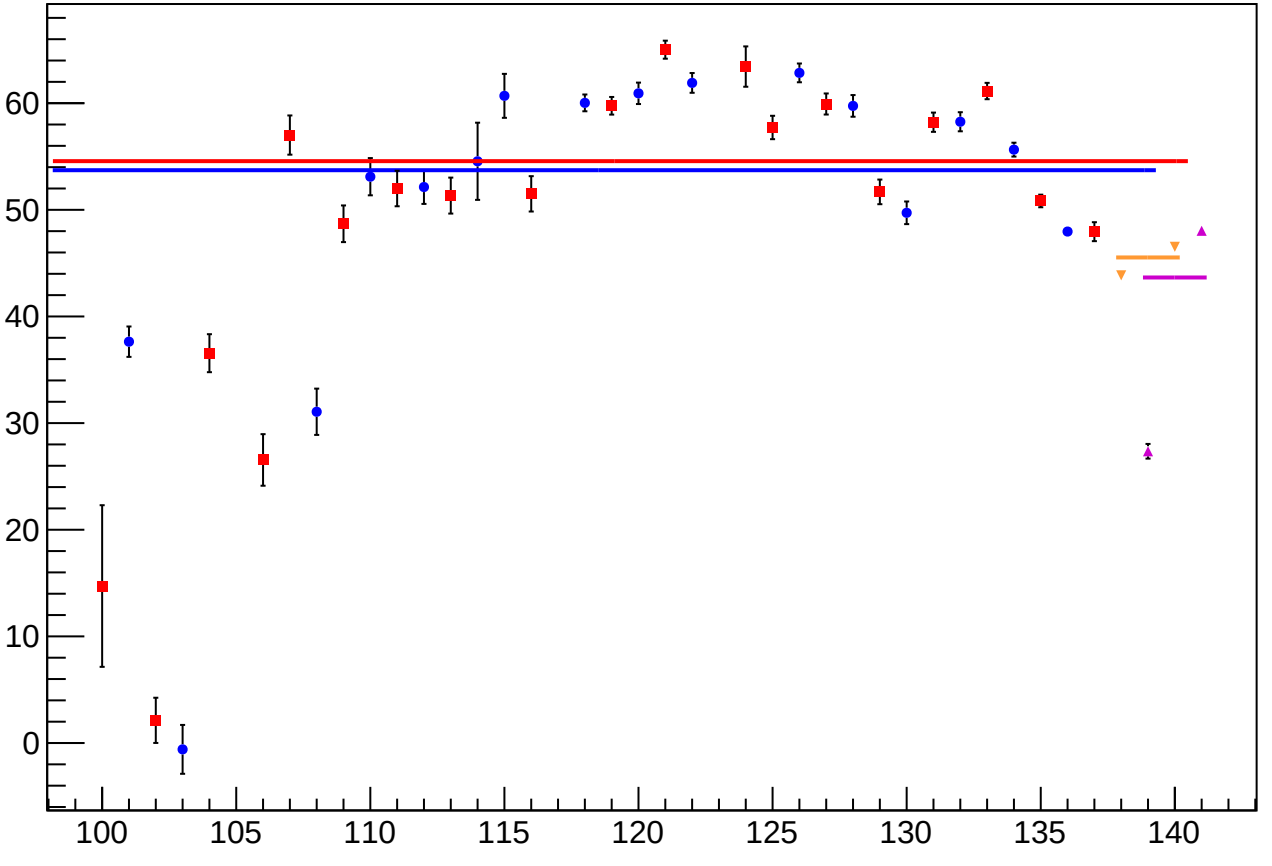
Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 36.933+/-0.182 χ^2/NDF:2828.6/17

Out: 36.409+/-0.185 χ^2/NDF:3285.0/20

All: 36.675+/-0.130 χ^2/NDF: 6117.6/38

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 45.533+/-0.277 χ^2/NDF:21.8/1

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 43.655+/-0.317 χ^2/NDF:709.5/1

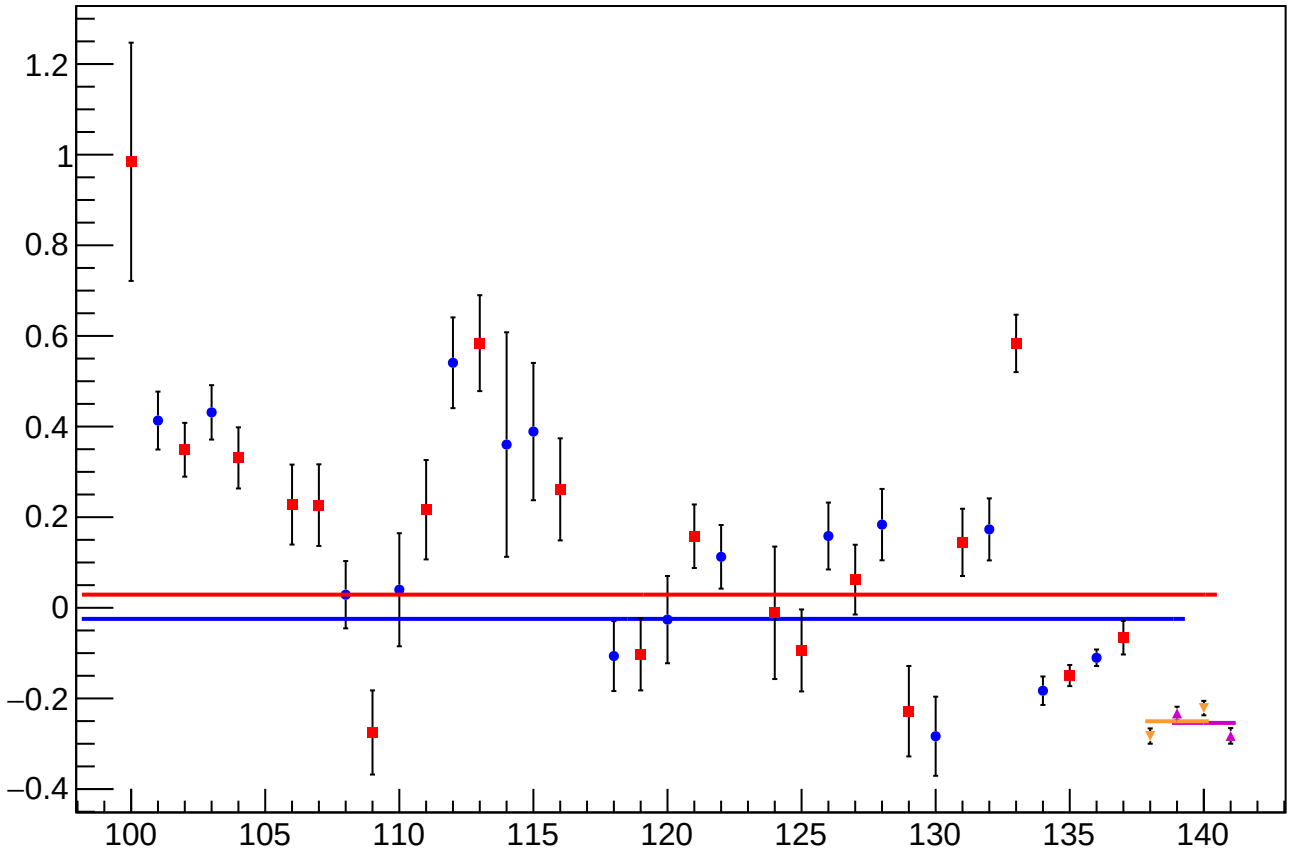
Left: 44.720+/-0.209 χ^2/NDF: 751.2/3

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 50.072+/-0.191 χ^2/NDF:2713.8/17

Out: 50.404+/-0.188 χ^2/NDF:1937.3/20

All: 50.240+/-0.134 χ^2/NDF: 4652.7/38



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.250+/-0.012 χ^2/NDF:7.0/1

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.254+/-0.011 χ^2/NDF:4.8/1

Left: -0.252+/-0.008 χ^2/NDF: 11.9/3

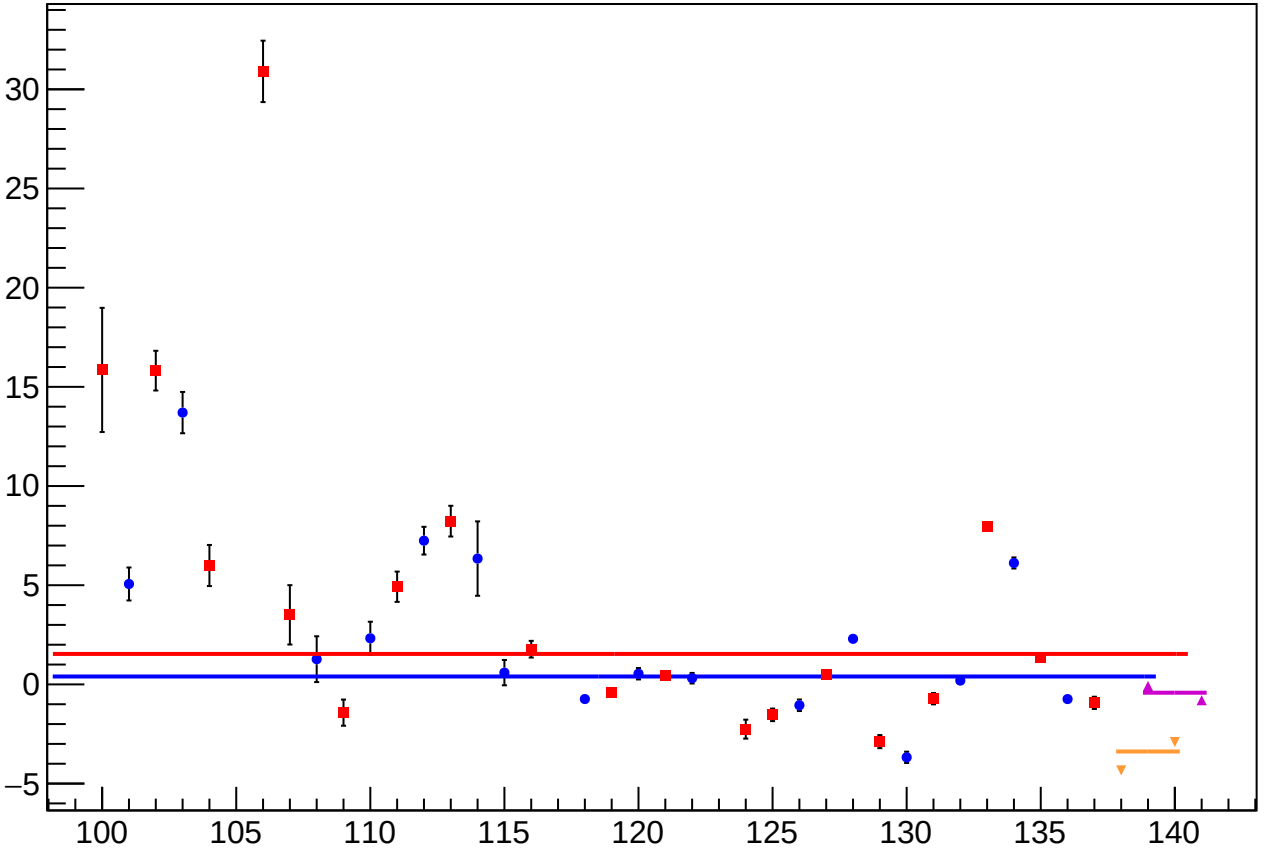
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.154+/-0.008 χ^2/NDF:416.3/17

Out: -0.139+/-0.009 χ^2/NDF:514.8/20

All: -0.147+/-0.006 χ^2/NDF: 932.7/38

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -3.383+/-0.099 χ^2/NDF:46.4/1

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.419+/-0.100 χ^2/NDF:12.8/1

Left: -1.920+/-0.070 χ^2/NDF: 502.1/3

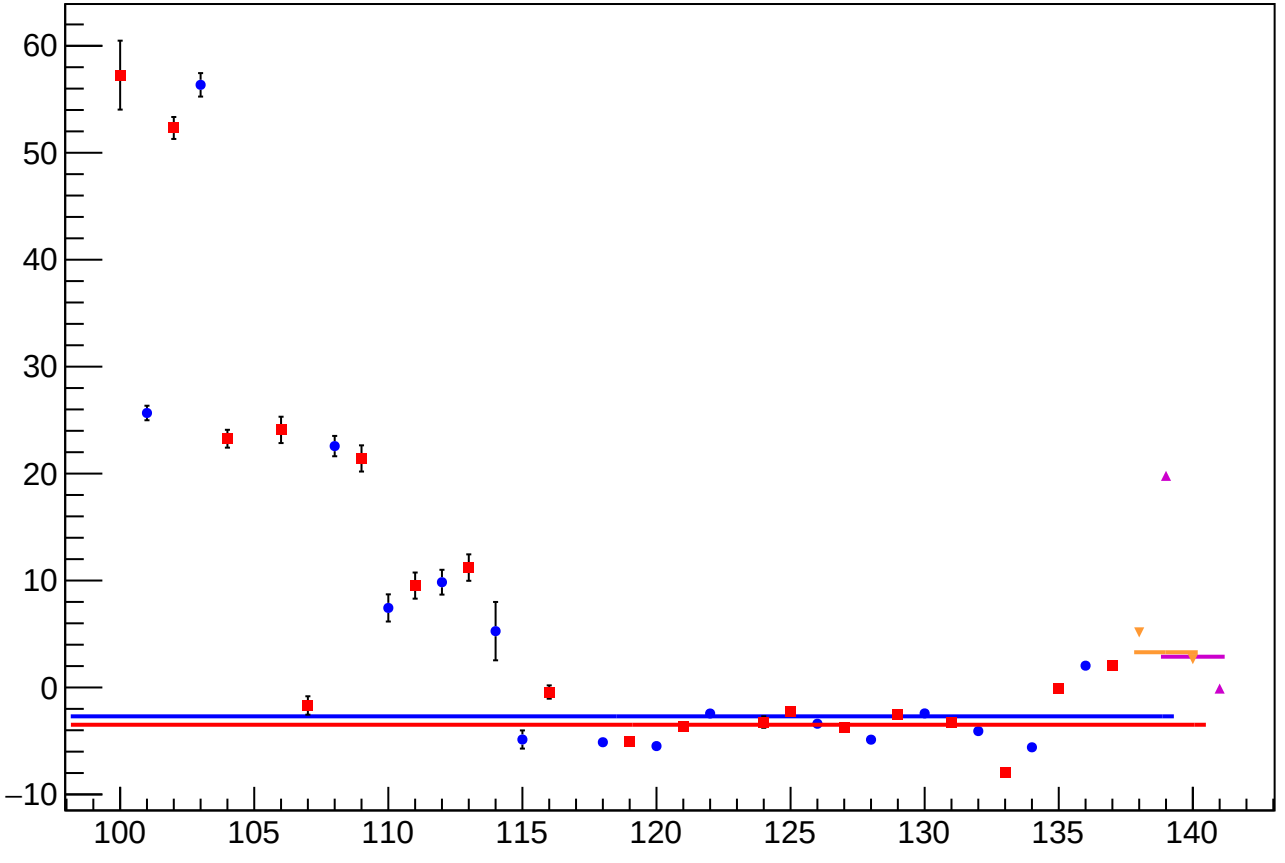
Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.095+/-0.061 χ^2/NDF:1151.9/17

Out: -0.355+/-0.061 χ^2/NDF:3979.0/20

All: -0.129+/-0.043 χ^2/NDF: 5157.9/38

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: 3.295+/-0.087 χ^2/NDF:158.0/1

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: 2.877+/-0.098 χ^2/NDF:5200.1/1

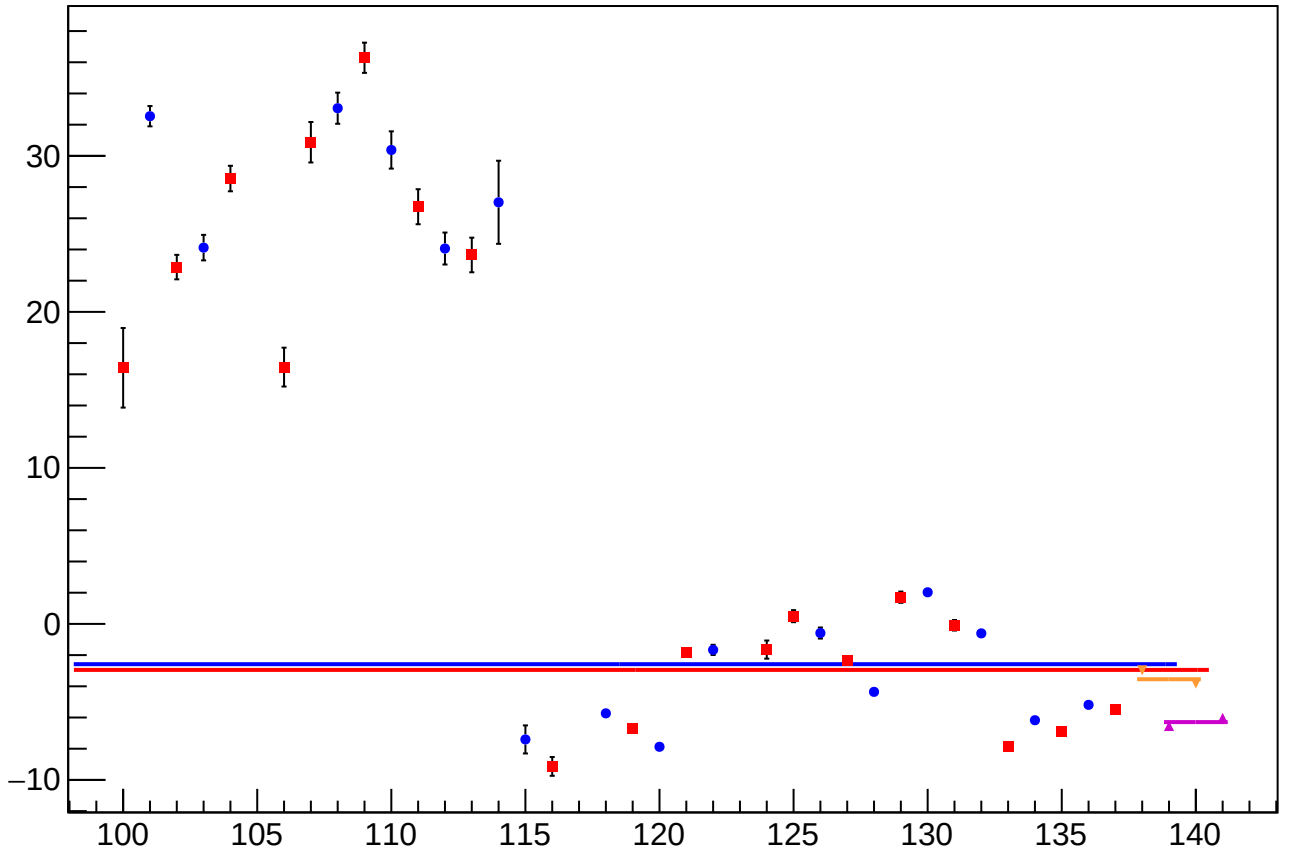
Left: 3.111+/-0.065 χ^2/NDF: 5368.2/3

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -0.800+/-0.057 χ^2/NDF:14420.6/17

Out: -0.793+/-0.055 χ^2/NDF:10953.9/20

All: -0.796+/-0.040 χ^2/NDF: 25374.5/38



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -3.546+/-0.102 χ^2/NDF:15.1/1

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.294+/-0.103 χ^2/NDF:6.3/1

Left: -4.904+/-0.073 χ^2/NDF: 377.9/3

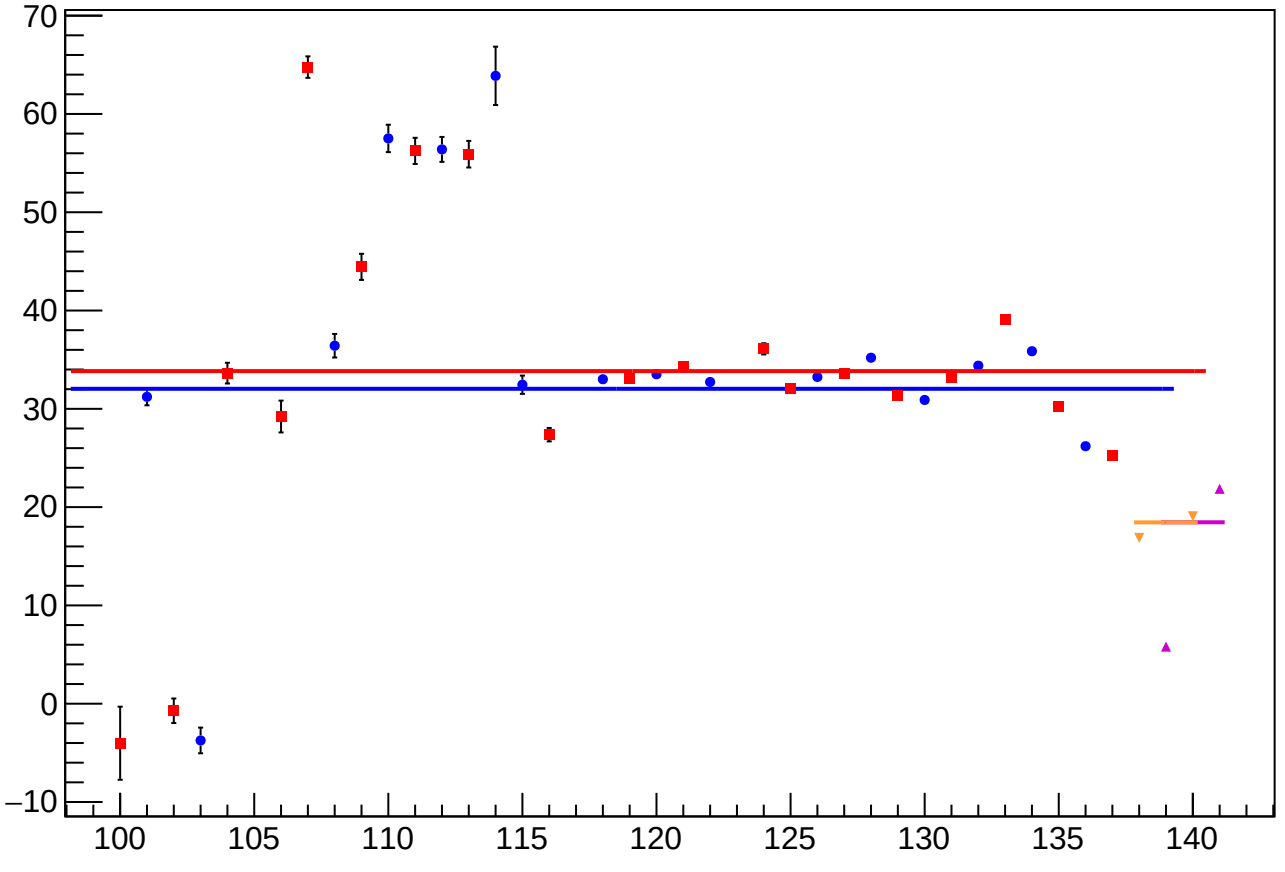
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -4.037+/-0.065 χ^2/NDF:8948.3/17

Out: -3.192+/-0.065 χ^2/NDF:8231.8/20

All: -3.618+/-0.046 χ^2/NDF: 17264.2/38

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 18.448+/-0.103 χ^2/NDF:91.4/1

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.457+/-0.113 χ^2/NDF:3398.6/1

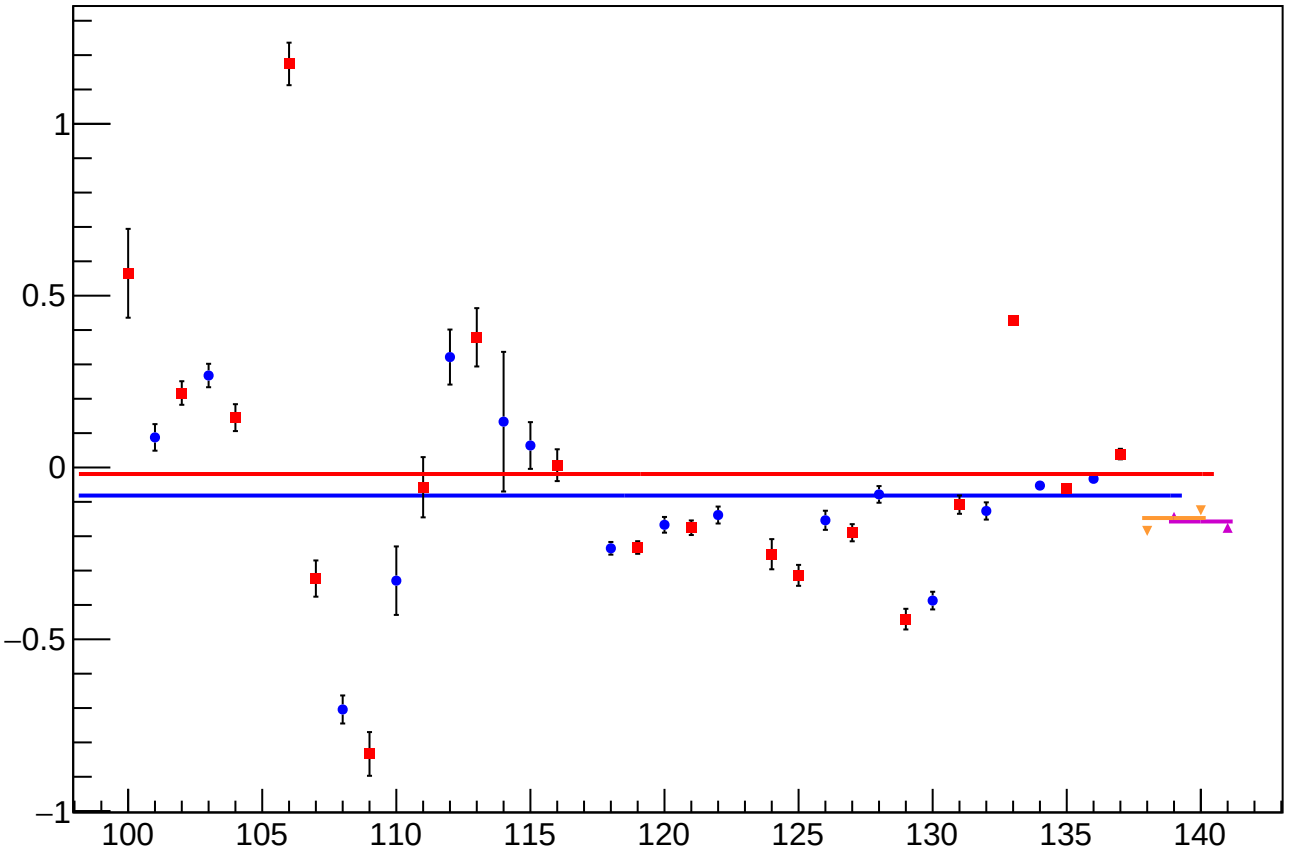
Left: 18.452+/-0.076 χ^2/NDF: 3490.0/3

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 27.387+/-0.066 χ^2/NDF:16214.0/17

Out: 27.933+/-0.064 χ^2/NDF:17968.1/20

All: 27.668+/-0.046 χ^2/NDF: 34217.4/38



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.147+/-0.004 χ^2/NDF:44.3/1

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.157+/-0.004 χ^2/NDF:15.6/1

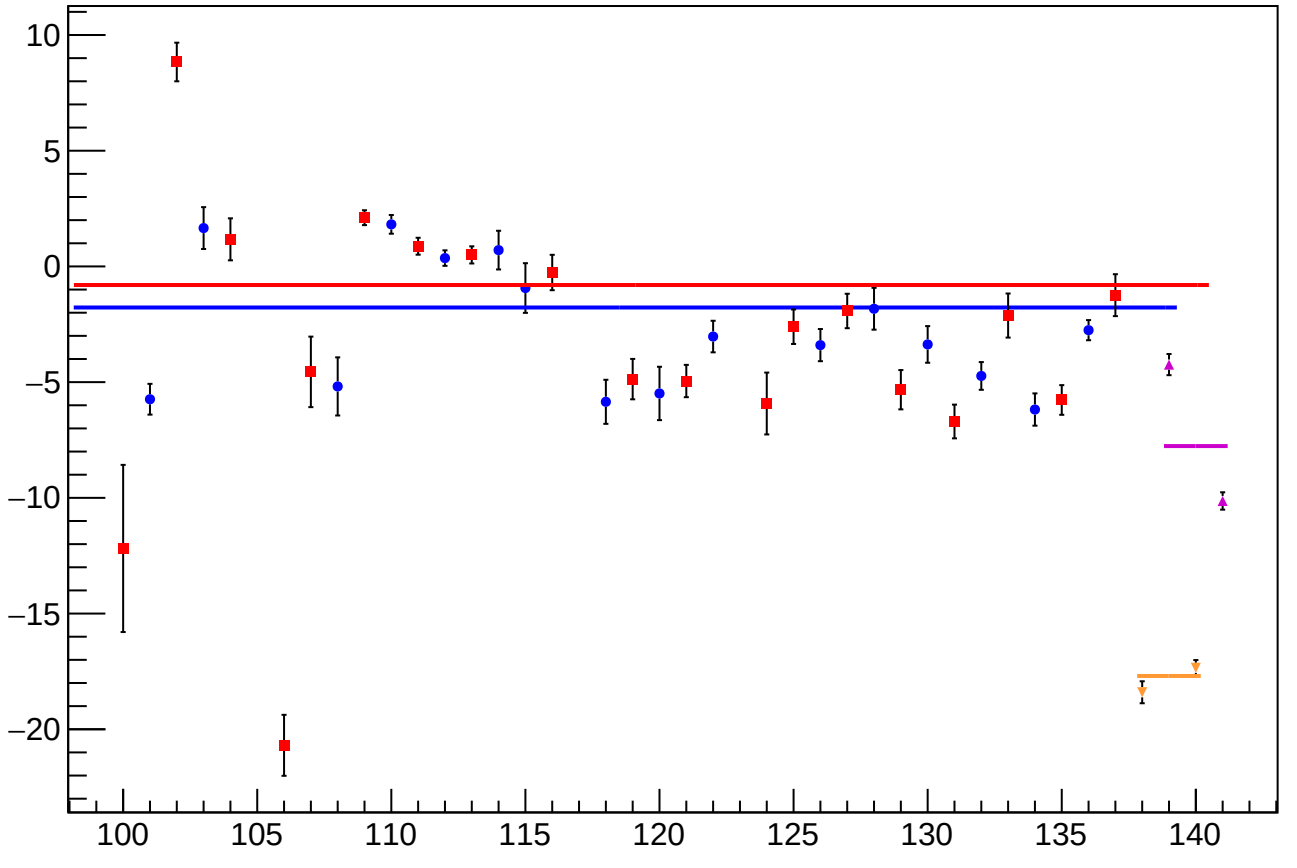
Left: -0.153+/-0.003 χ^2/NDF: 62.9/3

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.127+/-0.003 χ^2/NDF:850.4/17

Out: -0.094+/-0.003 χ^2/NDF:2674.8/20

All: -0.112+/-0.002 χ^2/NDF: 3576.3/38



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -17.696+/-0.274 χ^2/NDF:3.3/1

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -7.763+/-0.290 χ^2/NDF:99.4/1

Left: -13.010+/-0.199 χ^2/NDF: 723.2/3

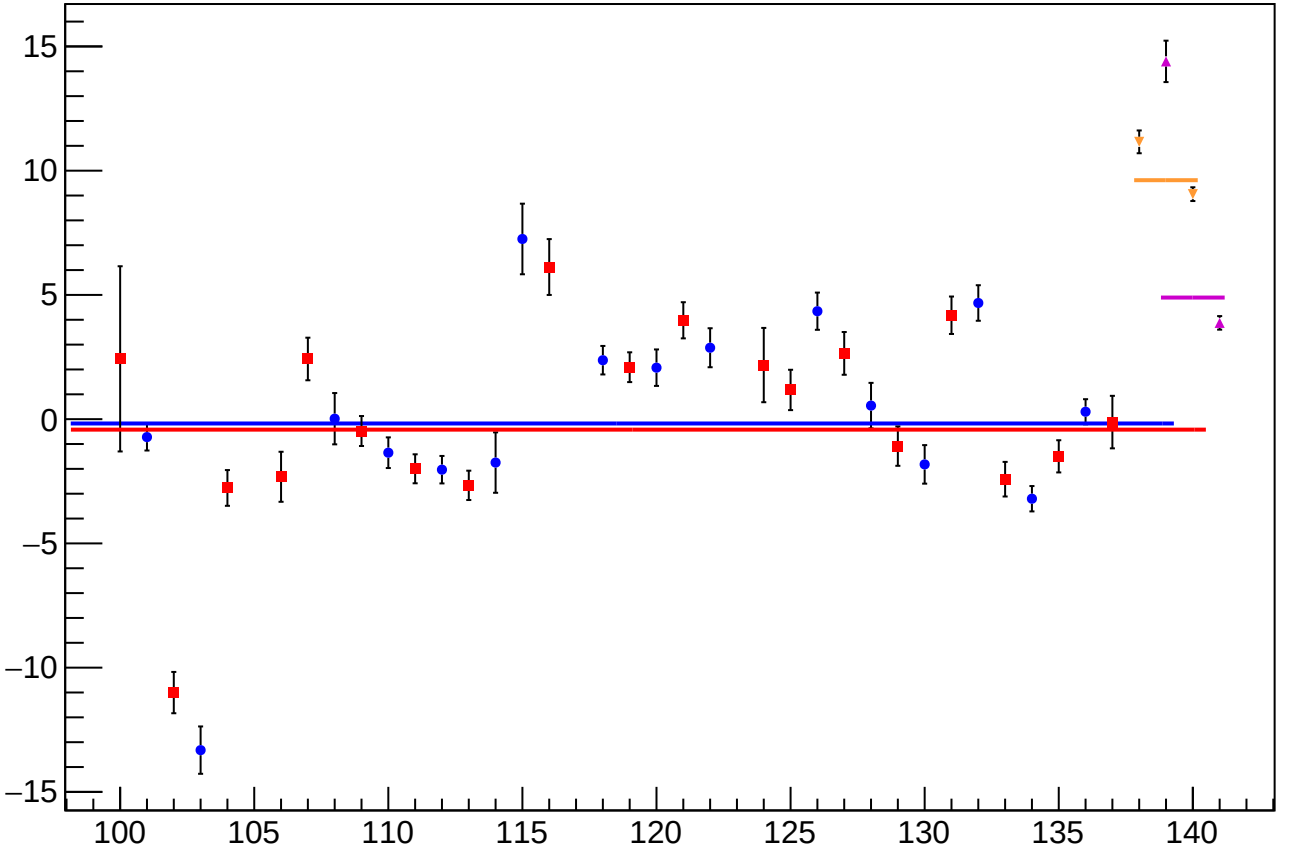
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -3.135+/-0.138 χ^2/NDF:727.0/17

Out: -4.633+/-0.130 χ^2/NDF:3678.4/20

All: -3.927+/-0.095 χ^2/NDF: 4467.6/38

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 9.617+/-0.237 χ^2/NDF:15.4/1

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 4.894+/-0.259 χ^2/NDF:144.0/1

Left: 7.467+/-0.175 χ^2/NDF: 340.3/3

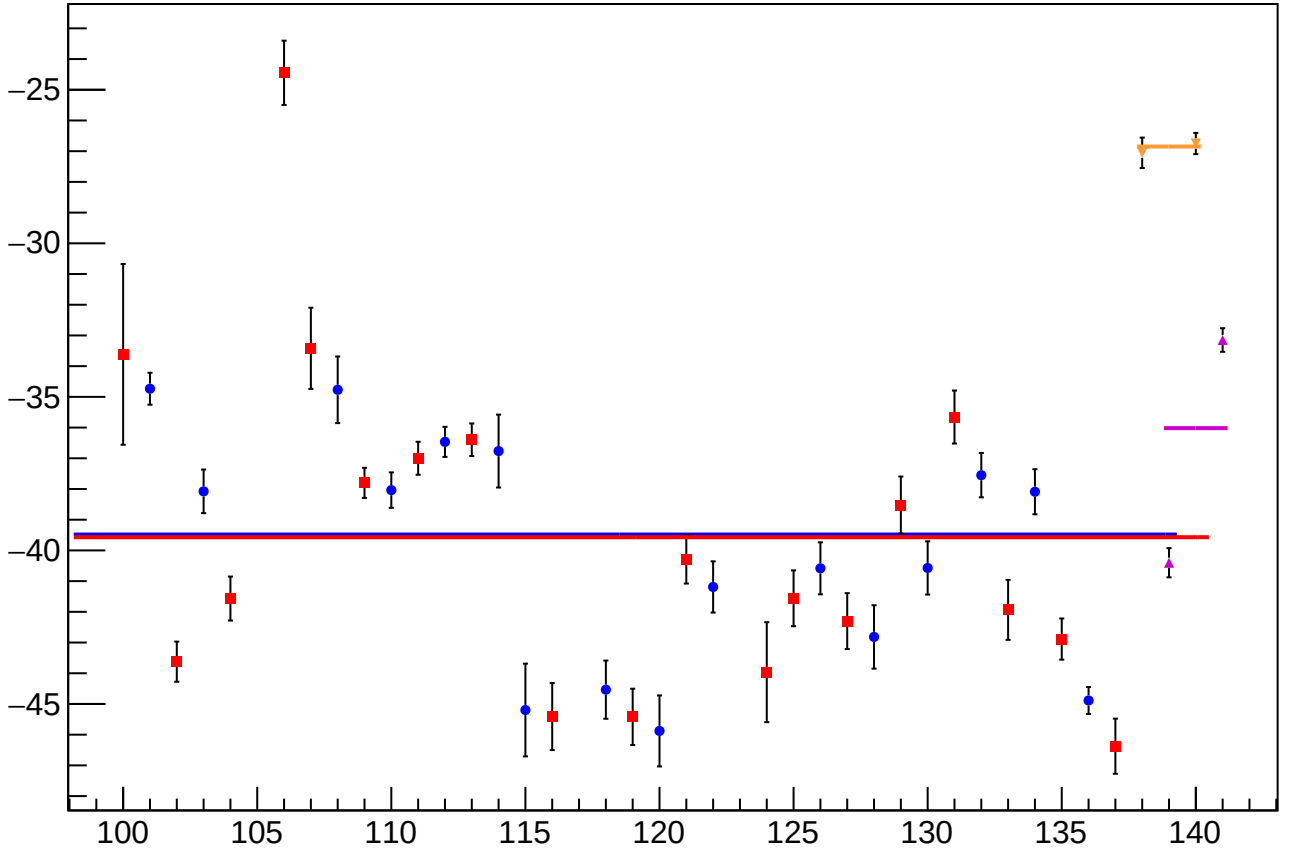
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.387+/-0.144 χ^2/NDF:811.5/17

Out: 3.179+/-0.142 χ^2/NDF:1532.5/20

All: 2.296+/-0.101 χ^2/NDF: 2422.7/38

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -26.849+/-0.283 χ^2/NDF:0.3/1

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -36.019+/-0.299 χ^2/NDF:140.6/1

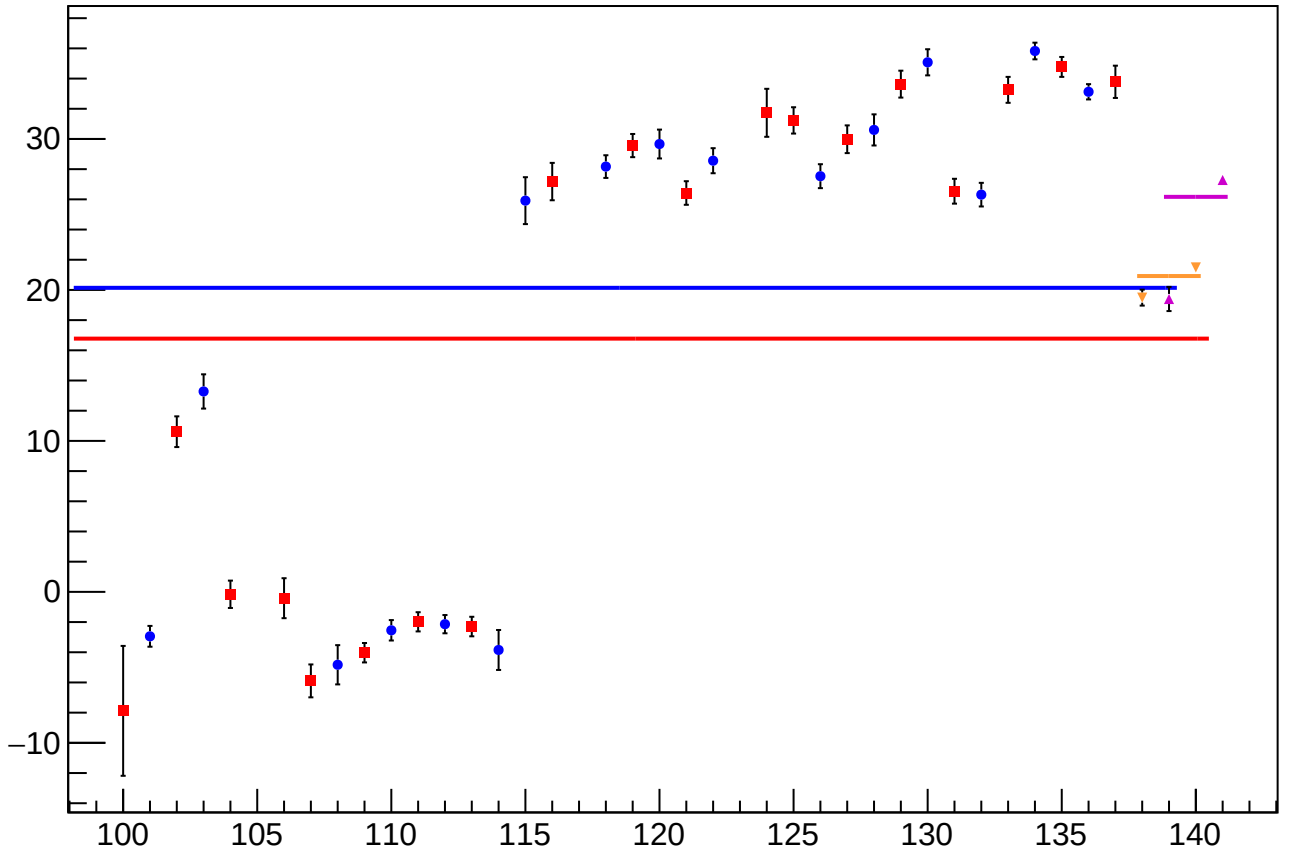
Left: -31.181+/-0.206 χ^2/NDF: 636.9/3

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -38.561+/-0.154 χ^2/NDF:648.4/17

Out: -35.877+/-0.152 χ^2/NDF:1987.8/20

All: -37.202+/-0.108 χ^2/NDF: 2789.1/38



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 20.921+/-0.282 χ^2/NDF:10.3/1

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.166+/-0.301 χ^2/NDF:83.3/1

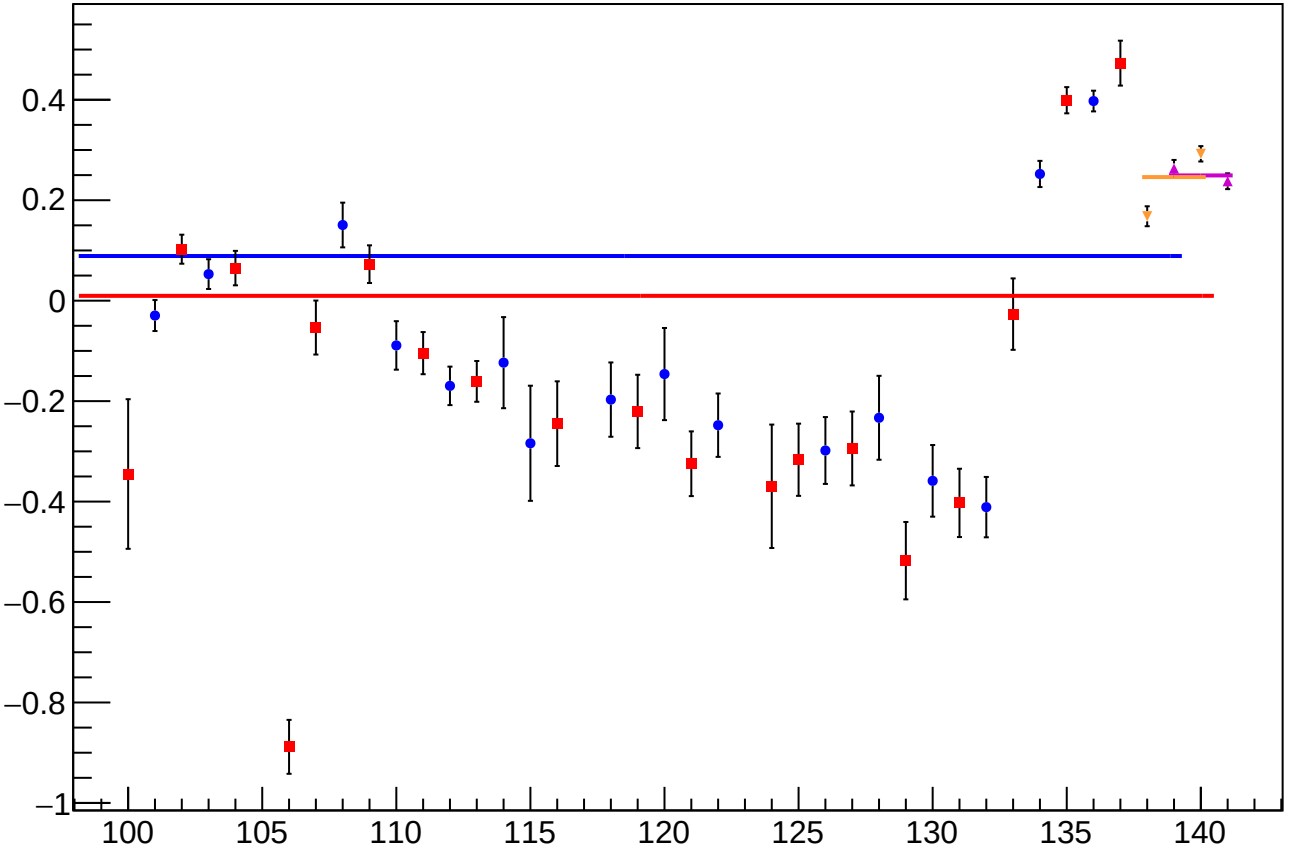
Left: 23.369+/-0.206 χ^2/NDF: 255.4/3

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 21.916+/-0.164 χ^2/NDF:7050.3/17

Out: 18.162+/-0.163 χ^2/NDF:6893.5/20

All: 20.032+/-0.115 χ^2/NDF: 14208.4/38



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.246+/-0.012 χ^2/NDF:24.6/1

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.249+/-0.012 χ^2/NDF:1.2/1

Left: 0.248+/-0.008 χ^2/NDF: 25.8/3

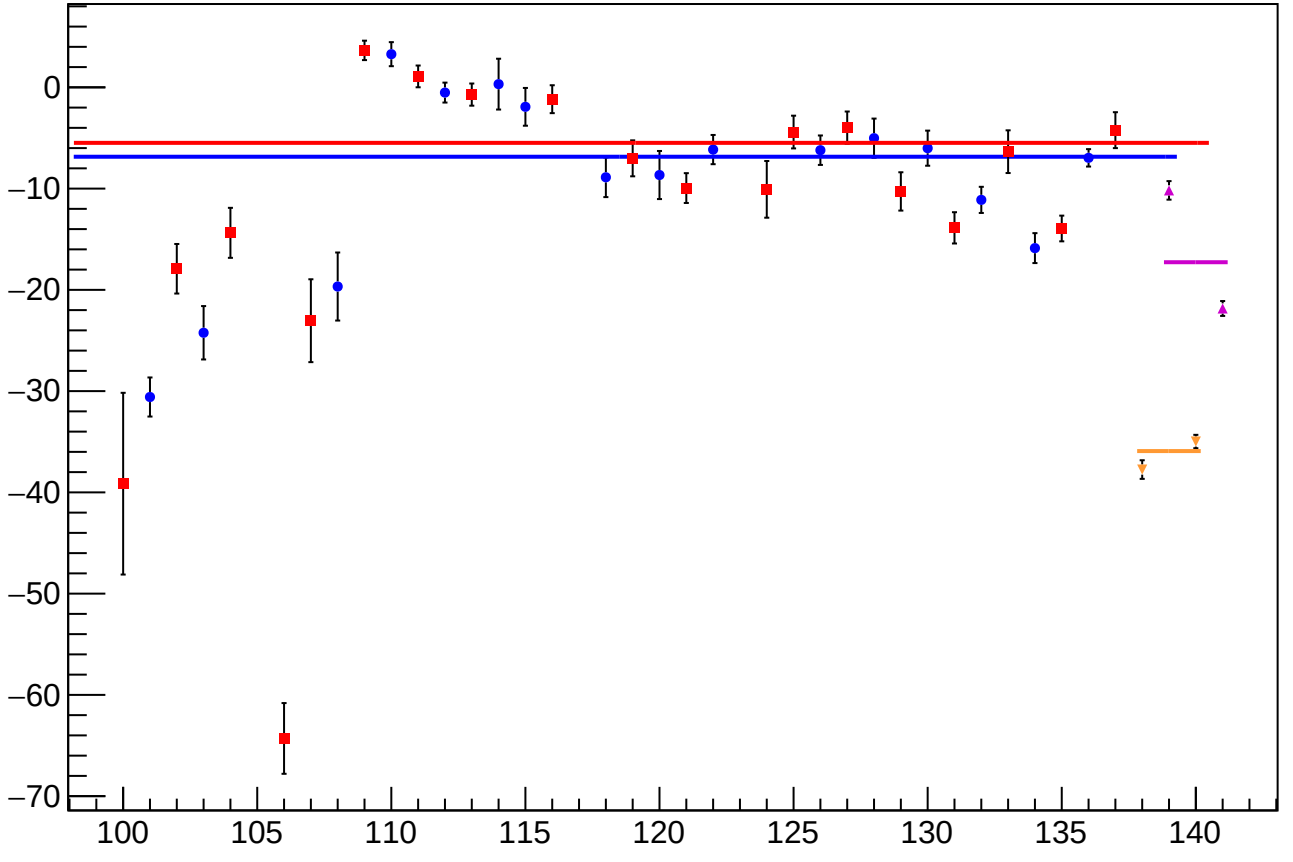
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.161+/-0.008 χ^2/NDF:671.2/17

Out: 0.117+/-0.008 χ^2/NDF:1067.6/20

All: 0.140+/-0.006 χ^2/NDF: 1754.1/38

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -35.921+/-0.536 χ^2/NDF:6.0/1

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -17.271+/-0.573 χ^2/NDF:98.7/1

Left: -27.211+/-0.392 χ^2/NDF: 669.2/3

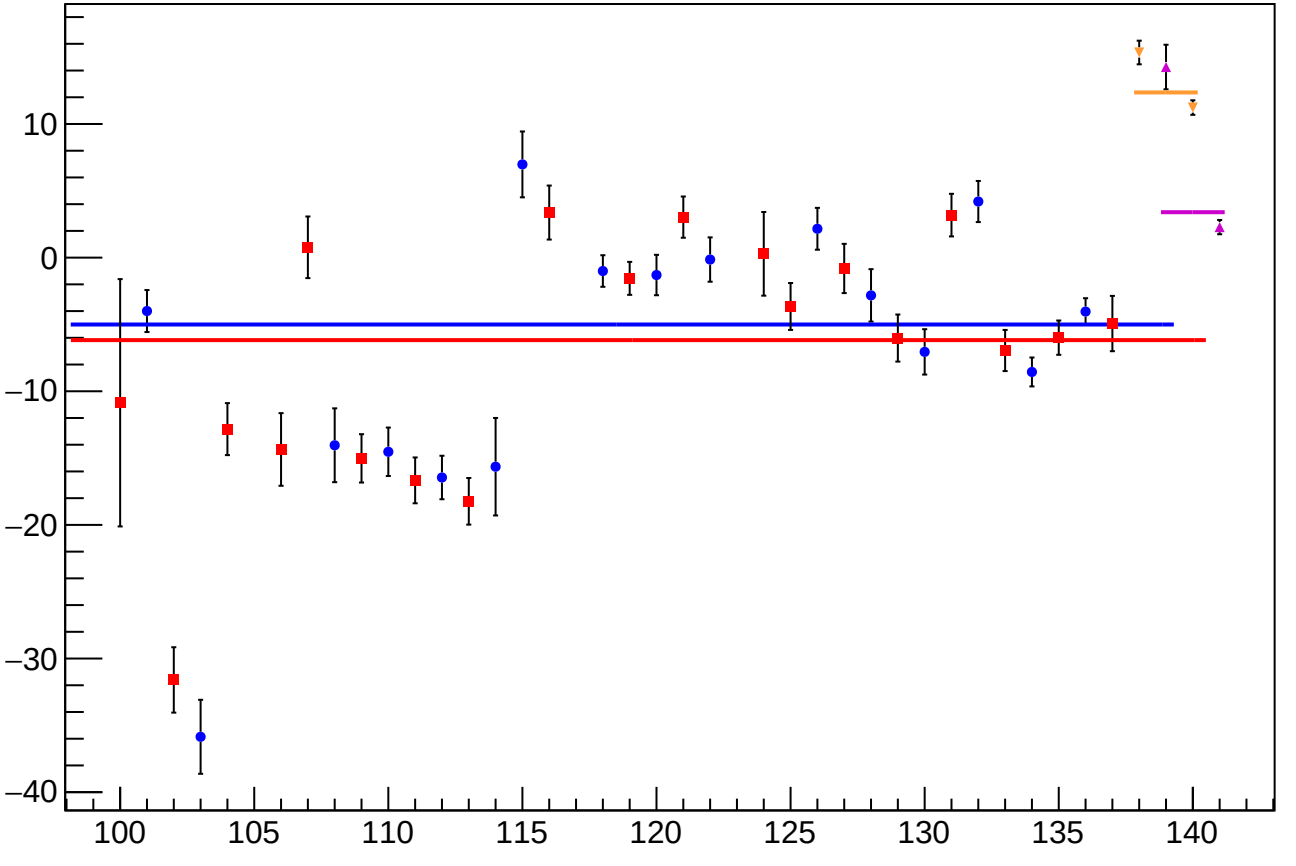
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -9.983+/-0.314 χ^2/NDF:719.9/17

Out: -15.259+/-0.304 χ^2/NDF:2798.1/20

All: -12.708+/-0.218 χ^2/NDF: 3663.6/38

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 12.361+/-0.464 χ^2/NDF:15.7/1

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 3.399+/-0.509 χ^2/NDF:46.9/1

Left: 8.294+/-0.343 χ^2/NDF: 232.2/3

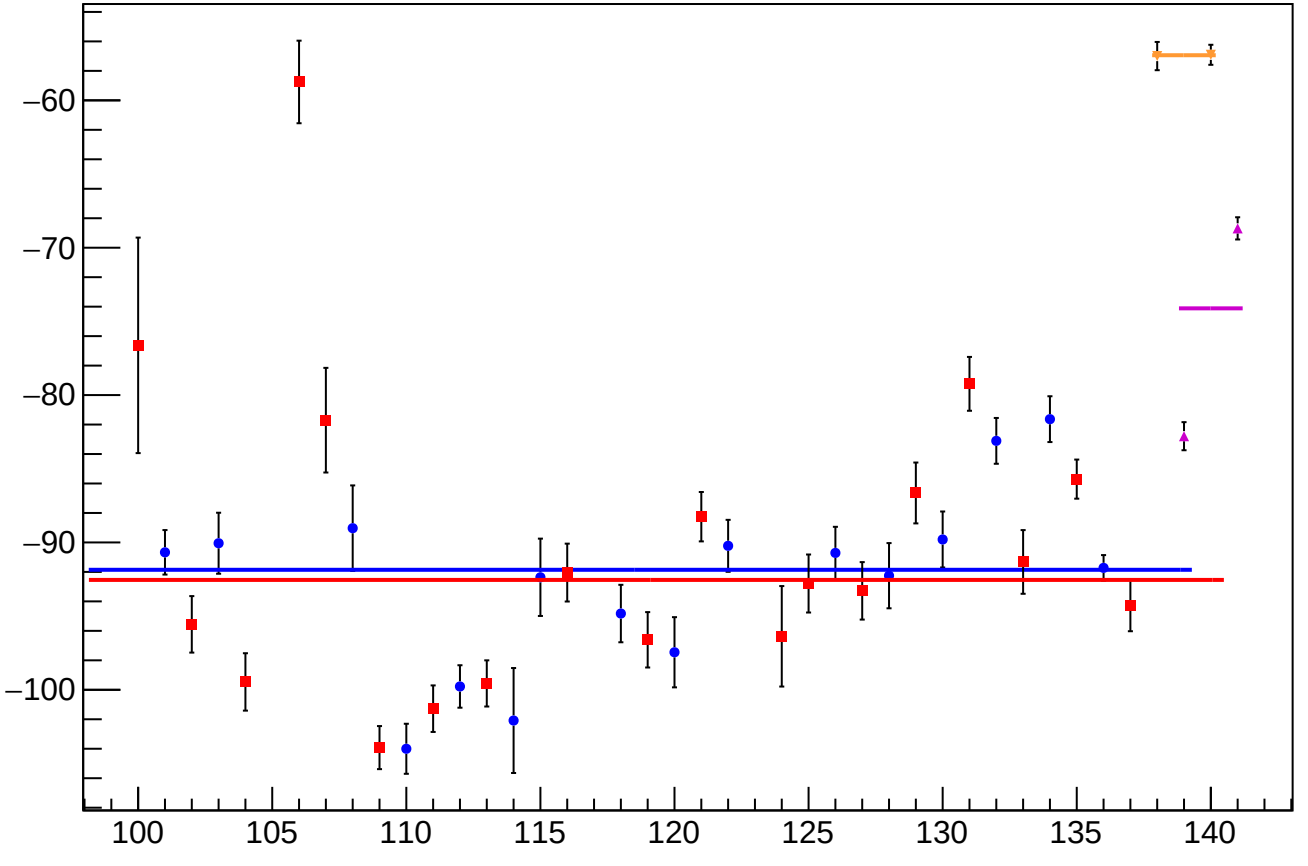
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -1.840+/-0.312 χ^2/NDF:558.8/17

Out: 2.105+/-0.310 χ^2/NDF:1269.1/20

All: 0.147+/-0.220 χ^2/NDF: 1908.4/38

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -56.938+/-0.554 χ^2/NDF:0.0/1

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -74.115+/-0.591 χ^2/NDF:134.7/1

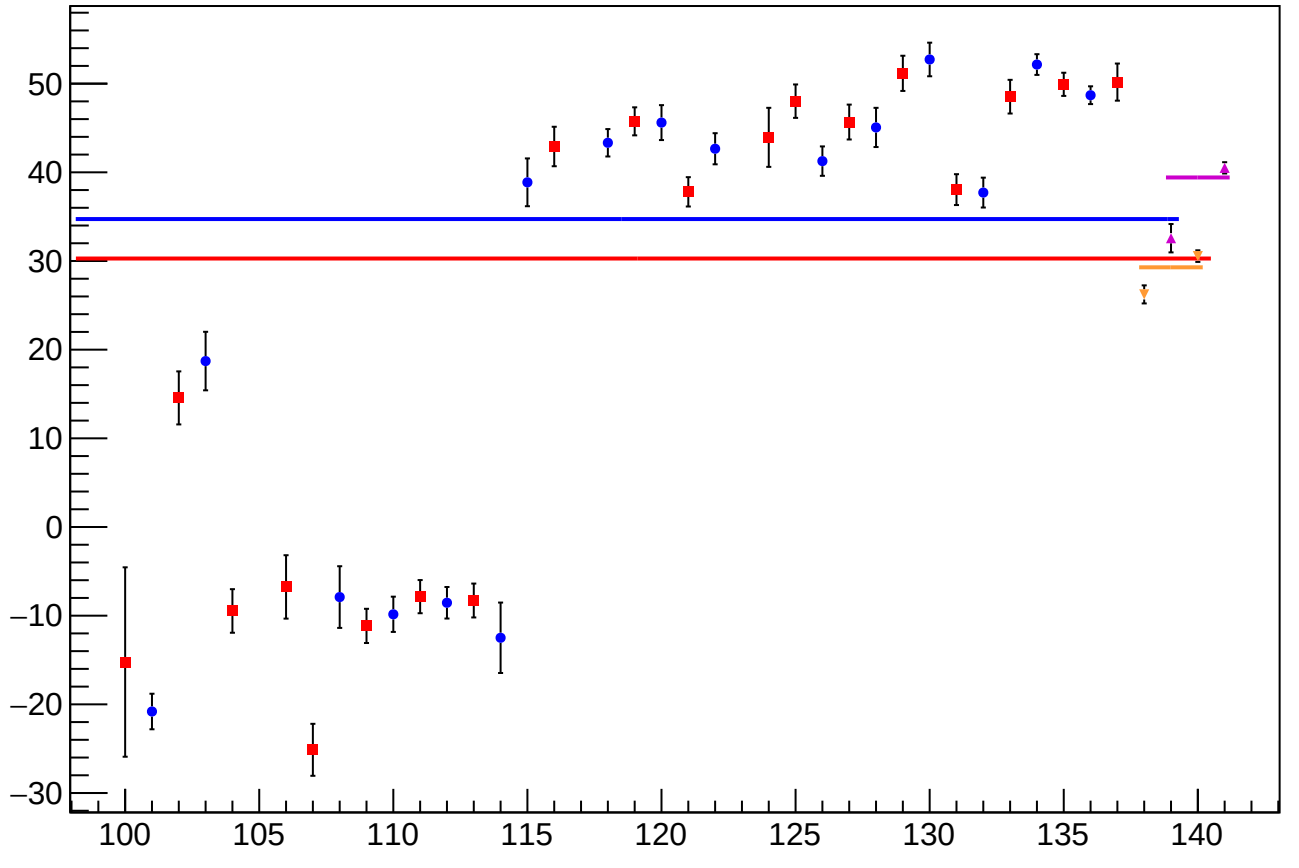
Left: -64.973+/-0.404 χ^2/NDF: 583.9/3

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -85.830+/-0.345 χ^2/NDF:906.5/17

Out: -78.809+/-0.344 χ^2/NDF:2922.5/20

All: -82.316+/-0.244 χ^2/NDF: 4036.9/38



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 29.286+/-0.551 χ^2/NDF:12.7/1

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 39.419+/-0.592 χ^2/NDF:21.3/1

Left: 33.996+/-0.403 χ^2/NDF: 191.0/3

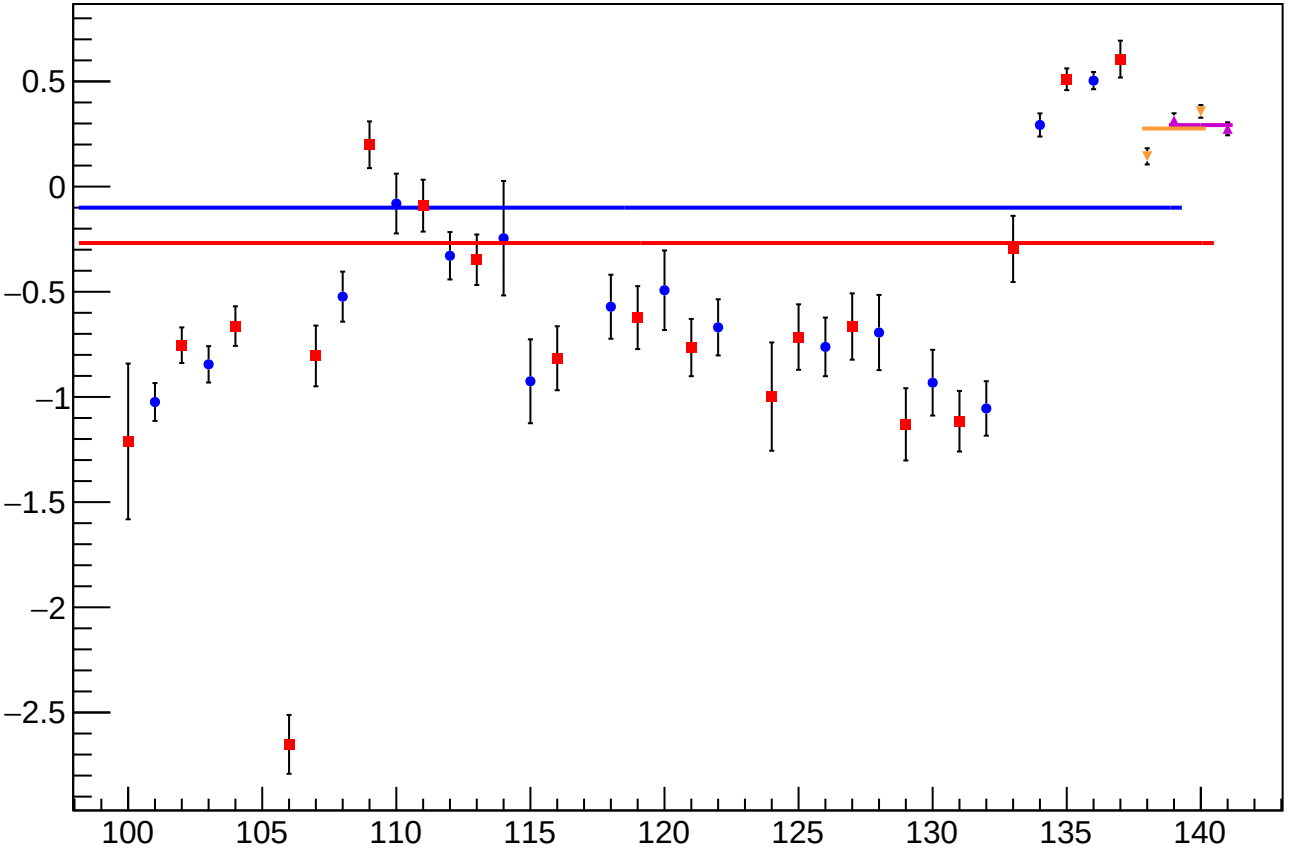
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 36.409+/-0.354 χ^2/NDF:2870.7/17

Out: 29.864+/-0.356 χ^2/NDF:2925.8/20

All: 33.158+/-0.251 χ^2/NDF: 5966.2/38

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.276+/-0.024 χ^2/NDF:19.0/1

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.292+/-0.023 χ^2/NDF:0.7/1

Left: 0.285+/-0.017 χ^2/NDF: 20.0/3

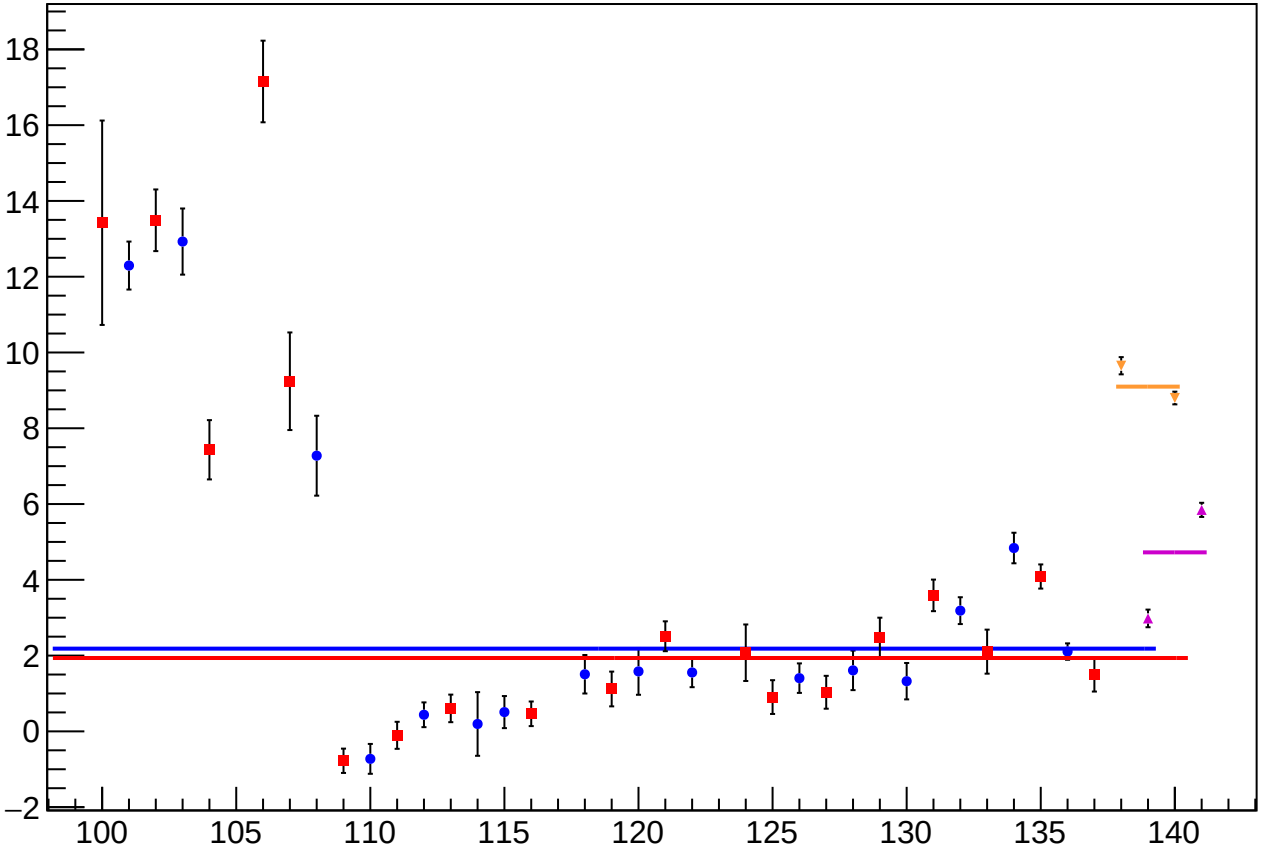
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.105+/-0.017 χ^2/NDF:772.0/17

Out: 0.032+/-0.018 χ^2/NDF:1076.8/20

All: 0.071+/-0.012 χ^2/NDF: 1857.9/38

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 9.099+/-0.135 χ^2/NDF:9.1/1

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.725+/-0.146 χ^2/NDF:92.2/1

Left: 7.077+/-0.099 χ^2/NDF: 586.4/3

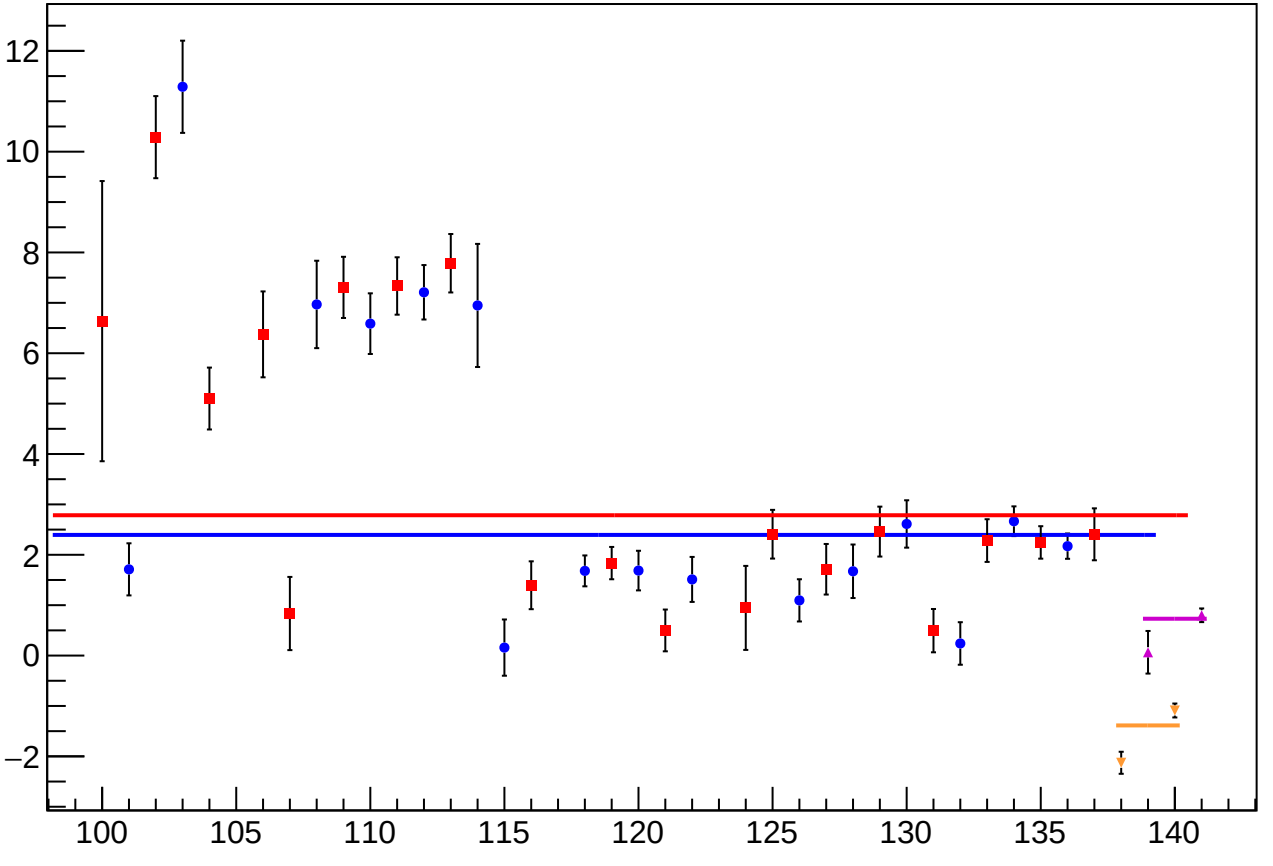
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.052+/-0.085 χ^2/NDF:891.8/17

Out: 4.651+/-0.083 χ^2/NDF:2473.6/20

All: 3.871+/-0.059 χ^2/NDF: 3545.7/38

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: -1.386+/-0.117 χ^2/NDF:16.1/1

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.731+/-0.129 χ^2/NDF:2.7/1

Left: -0.434+/-0.087 χ^2/NDF: 166.6/3

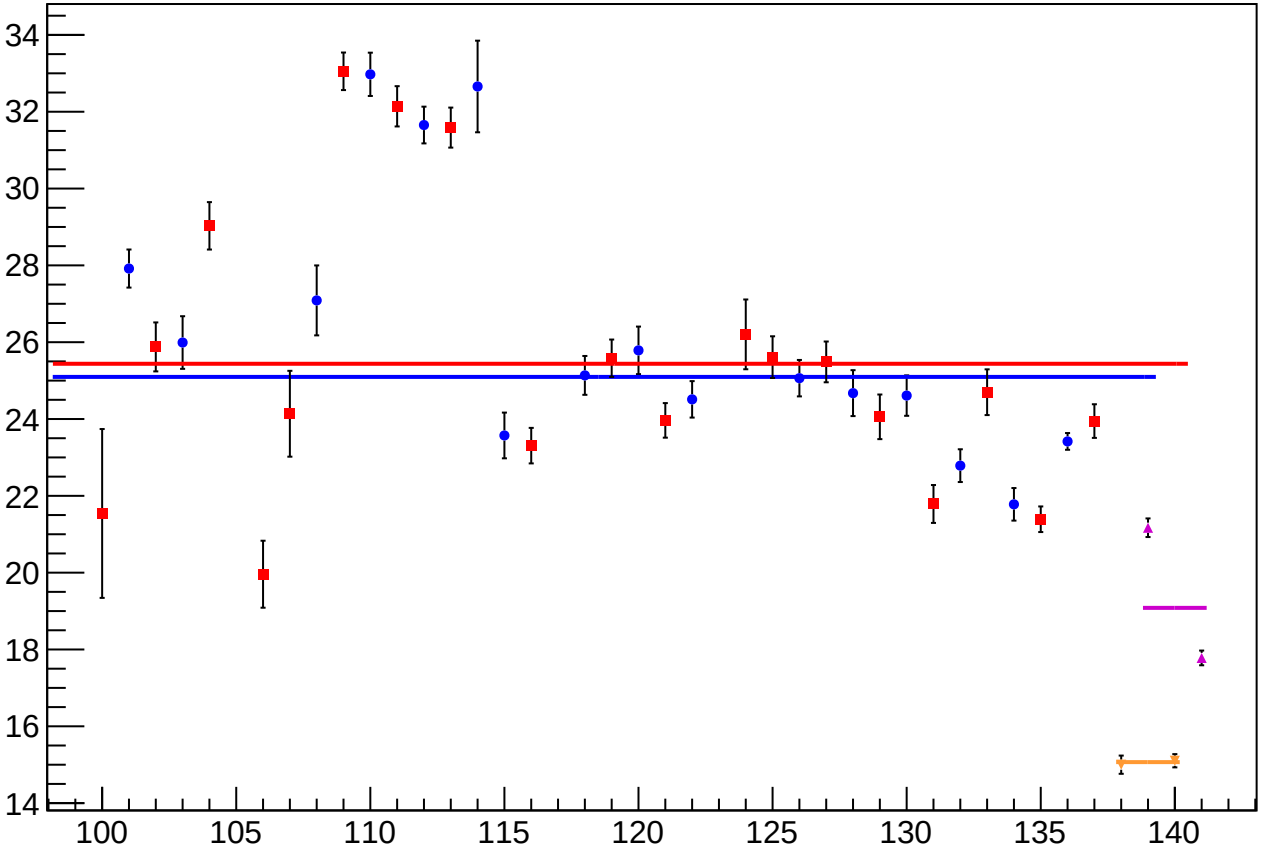
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.708+/-0.083 χ^2/NDF:434.0/17

Out: 0.716+/-0.082 χ^2/NDF:1069.5/20

All: 1.207+/-0.058 χ^2/NDF: 1575.4/38

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 15.068+/-0.140 χ^2/NDF:0.1/1

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 19.083+/-0.150 χ^2/NDF:120.4/1

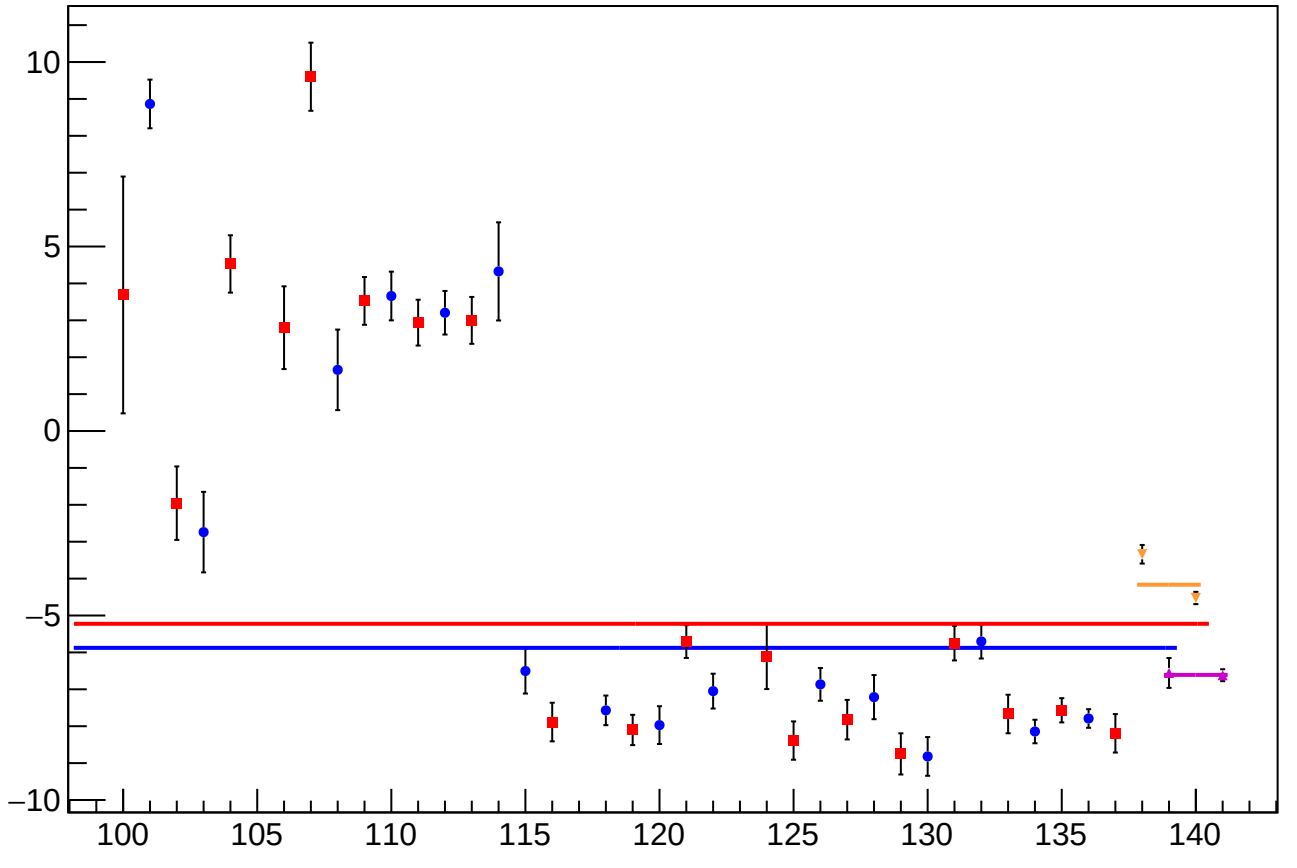
Left: 16.927+/-0.102 χ^2/NDF: 504.0/3

Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 22.814+/-0.093 χ^2/NDF:1736.6/17

Out: 20.861+/-0.093 χ^2/NDF:3963.7/20

All: 21.839+/-0.066 χ^2/NDF: 5922.5/38



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -4.165+/-0.139 χ^2/NDF:15.4/1

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.609+/-0.150 χ^2/NDF:0.0/1

Left: -5.291+/-0.102 χ^2/NDF: 158.1/3

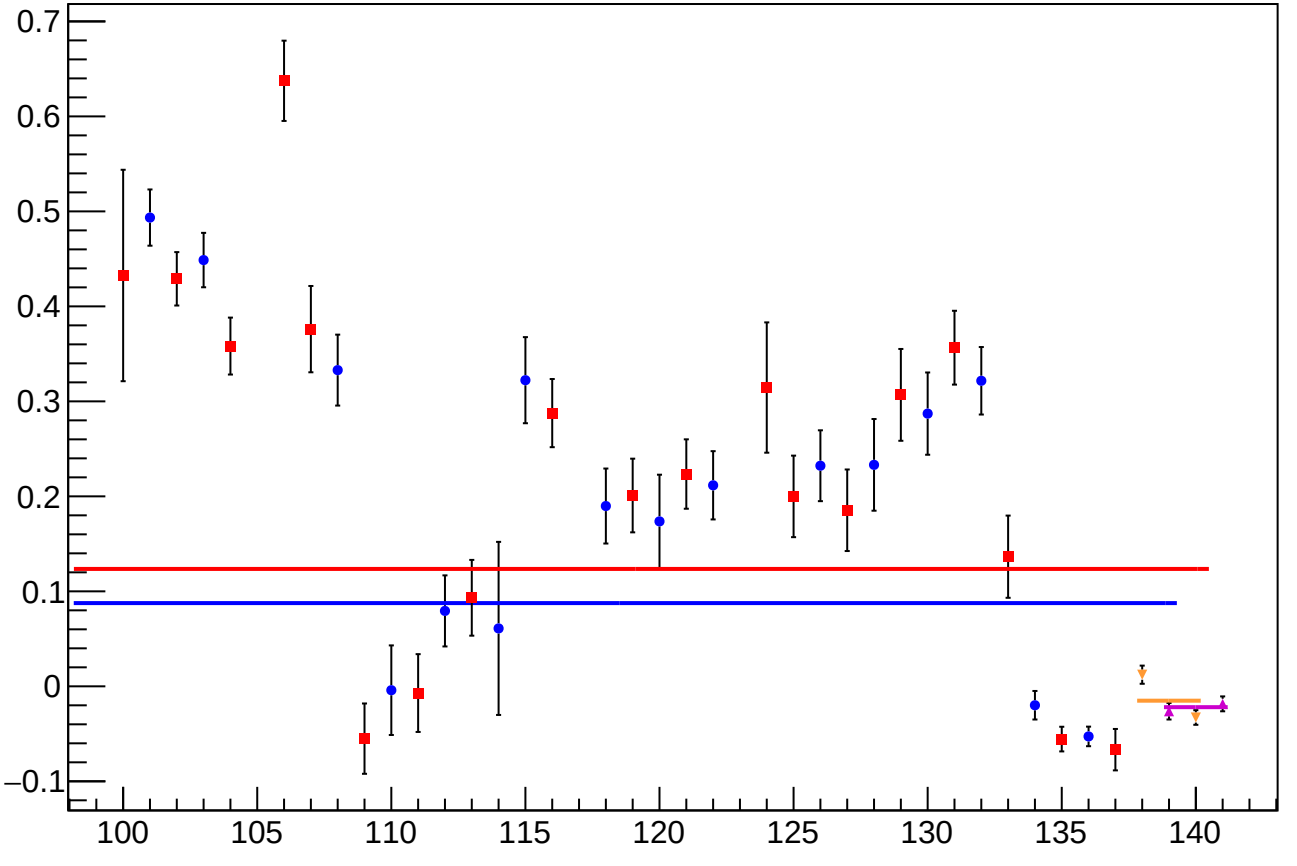
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.164+/-0.094 χ^2/NDF:1265.9/17

Out: -4.732+/-0.095 χ^2/NDF:1338.5/20

All: -5.452+/-0.067 χ^2/NDF: 2719.4/38

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.015+/-0.006 χ^2/NDF:13.5/1

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.022+/-0.006 χ^2/NDF:0.4/1

Left: -0.019+/-0.004 χ^2/NDF: 14.6/3

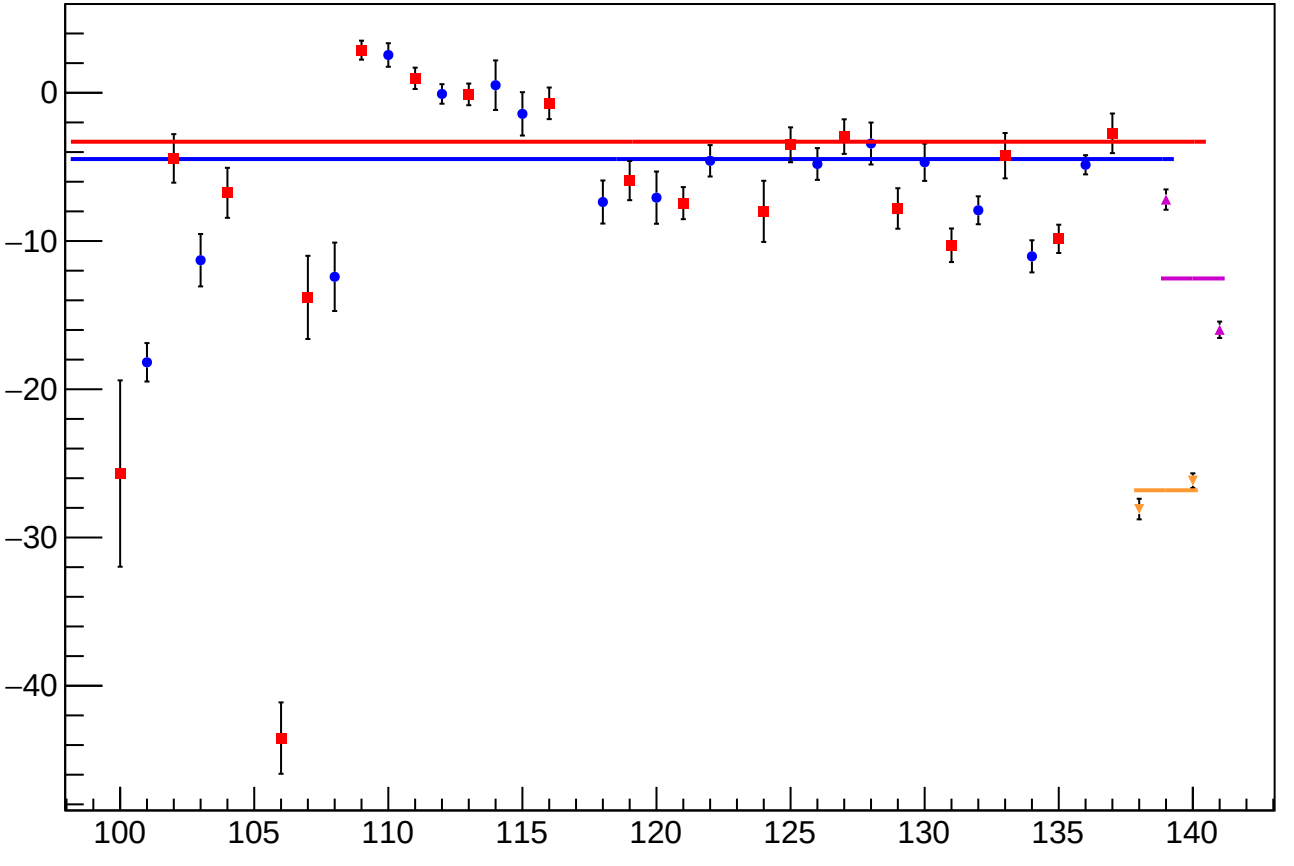
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.026+/-0.004 χ^2/NDF:923.6/17

Out: 0.040+/-0.005 χ^2/NDF:990.5/20

All: 0.033+/-0.003 χ^2/NDF: 1919.2/38

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -26.813+/-0.404 χ^2/NDF:5.0/1

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -12.526+/-0.430 χ^2/NDF:99.6/1

Left: -20.117+/-0.294 χ^2/NDF: 690.8/3

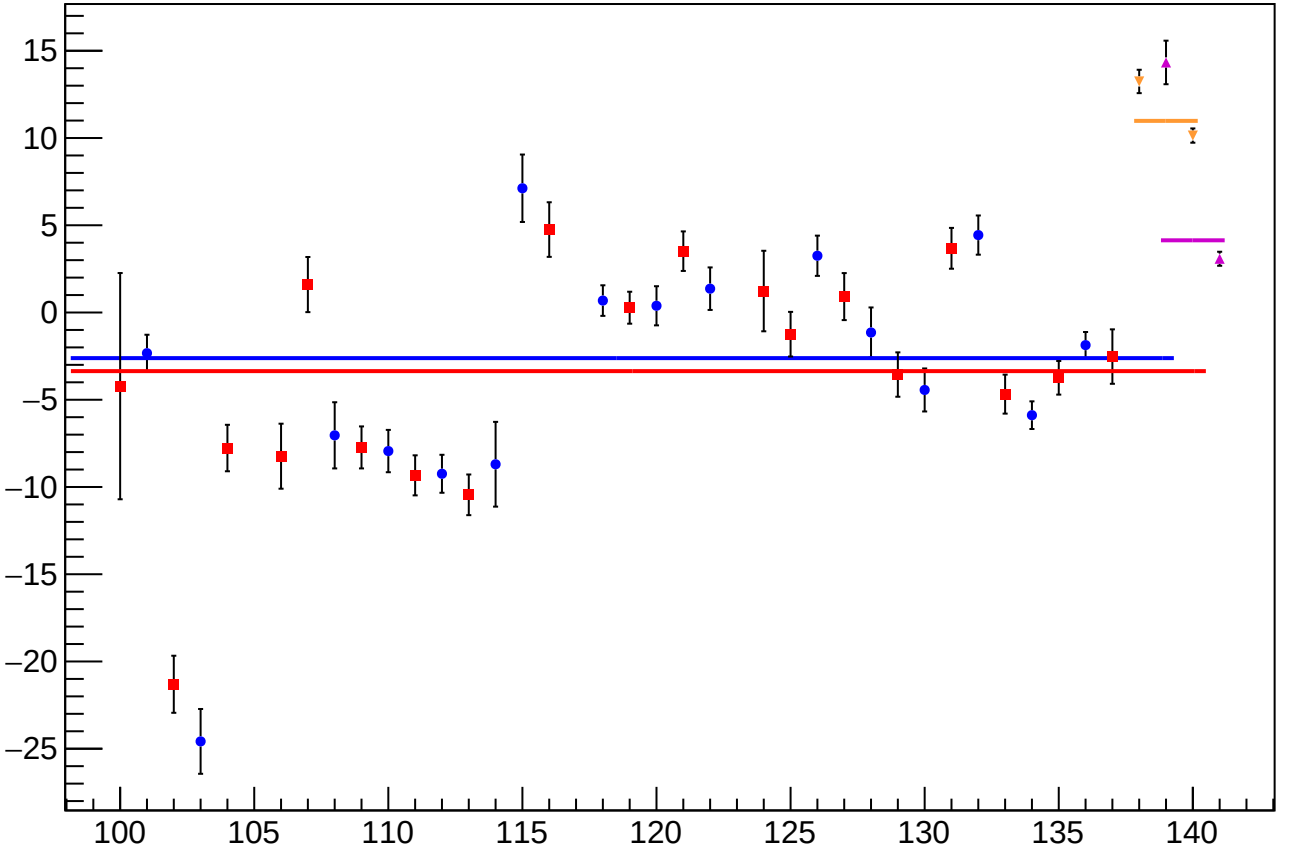
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -6.728+/-0.228 χ^2/NDF:683.8/17

Out: -10.220+/-0.219 χ^2/NDF:2980.5/20

All: -8.541+/-0.158 χ^2/NDF: 3786.3/38

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 10.982+/-0.349 χ^2/NDF:15.6/1

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 4.137+/-0.382 χ^2/NDF:73.7/1

Left: 7.871+/-0.258 χ^2/NDF: 264.0/3

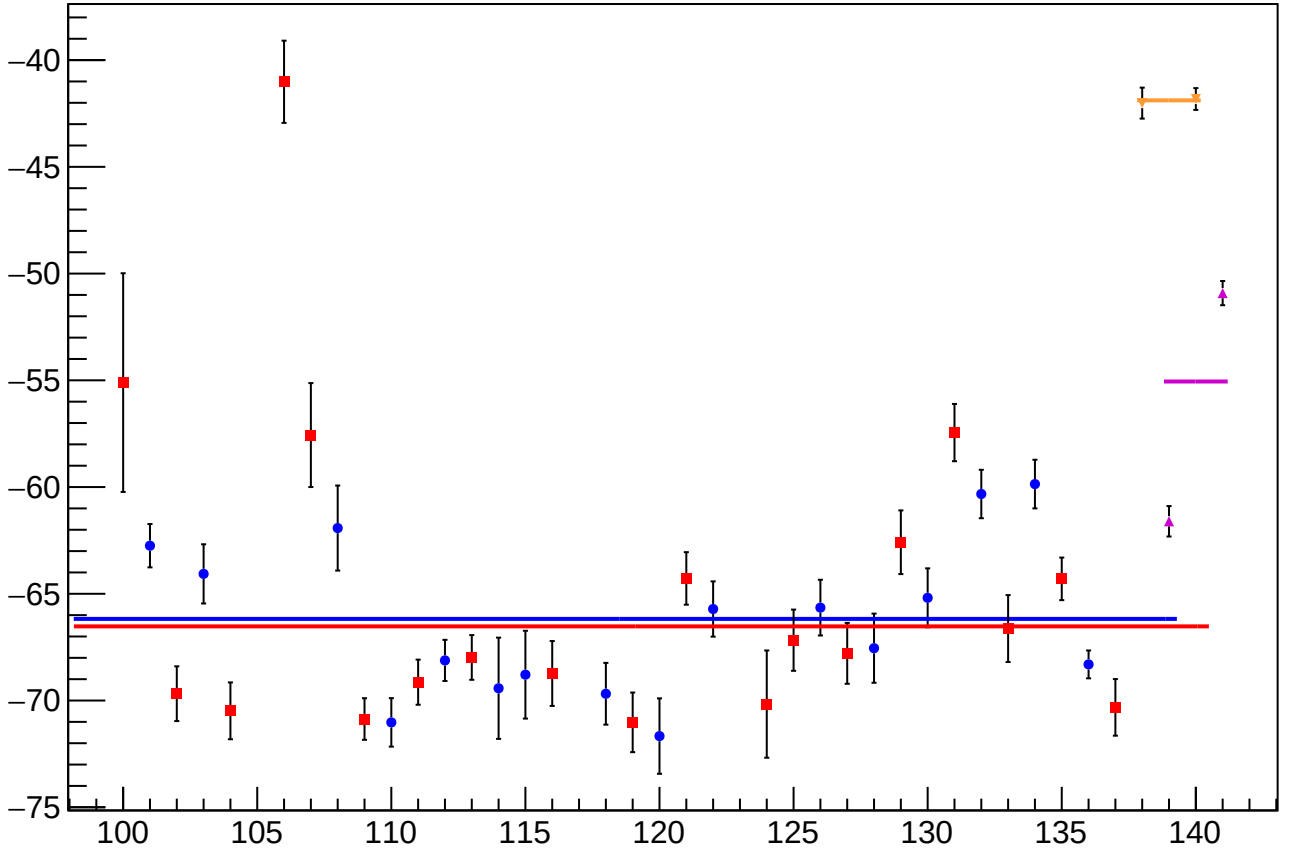
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -0.196+/-0.229 χ^2/NDF:625.6/17

Out: 2.703+/-0.227 χ^2/NDF:1349.3/20

All: 1.265+/-0.161 χ^2/NDF: 2055.8/38

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -41.886+/-0.417 χ^2/NDF:0.0/1

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -55.055+/-0.444 χ^2/NDF:137.7/1

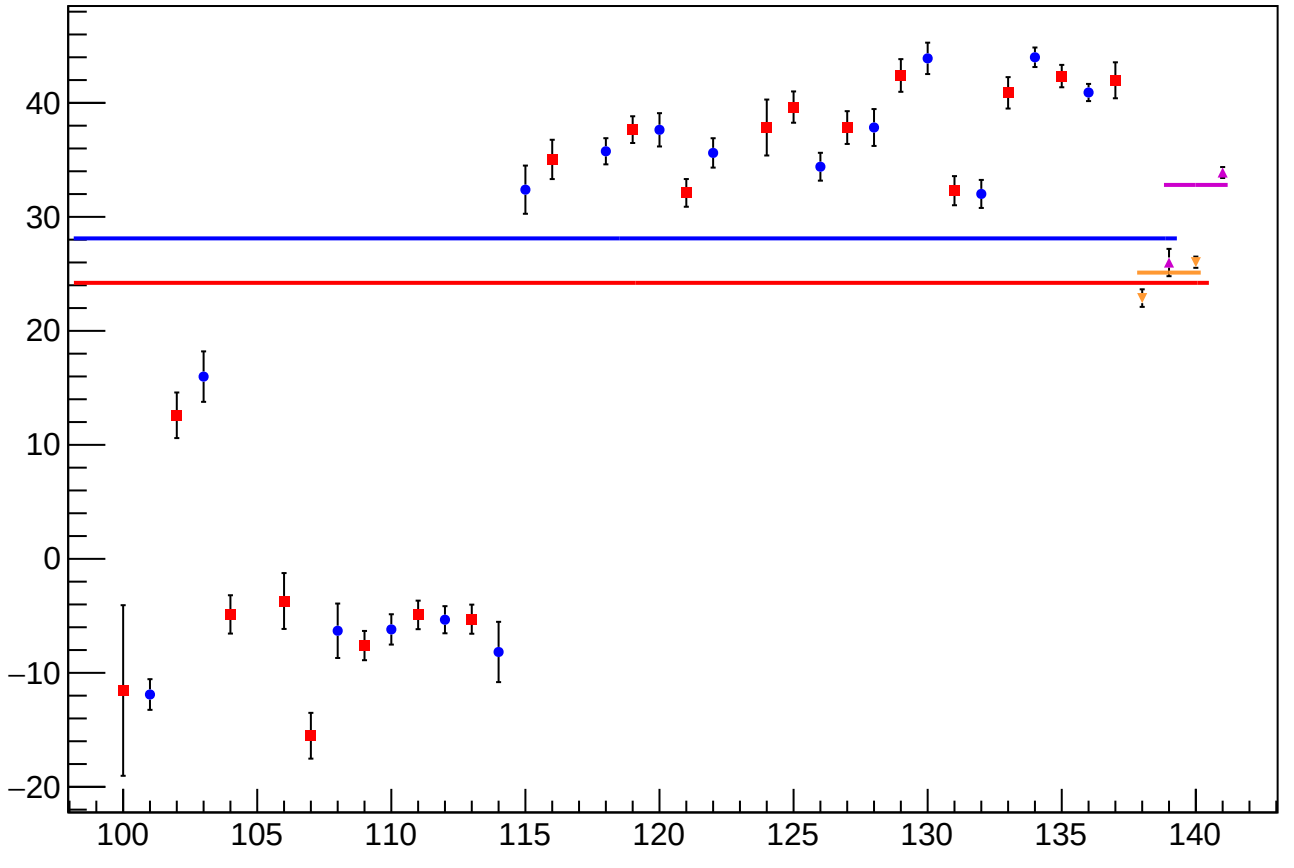
Left: -48.067+/-0.304 χ^2/NDF: 605.0/3

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -62.619+/-0.251 χ^2/NDF:693.9/17

Out: -57.676+/-0.250 χ^2/NDF:2555.3/20

All: -60.139+/-0.177 χ^2/NDF: 3443.9/38



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 25.111+/-0.415 χ^2/NDF:11.8/1

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 32.803+/-0.445 χ^2/NDF:37.5/1

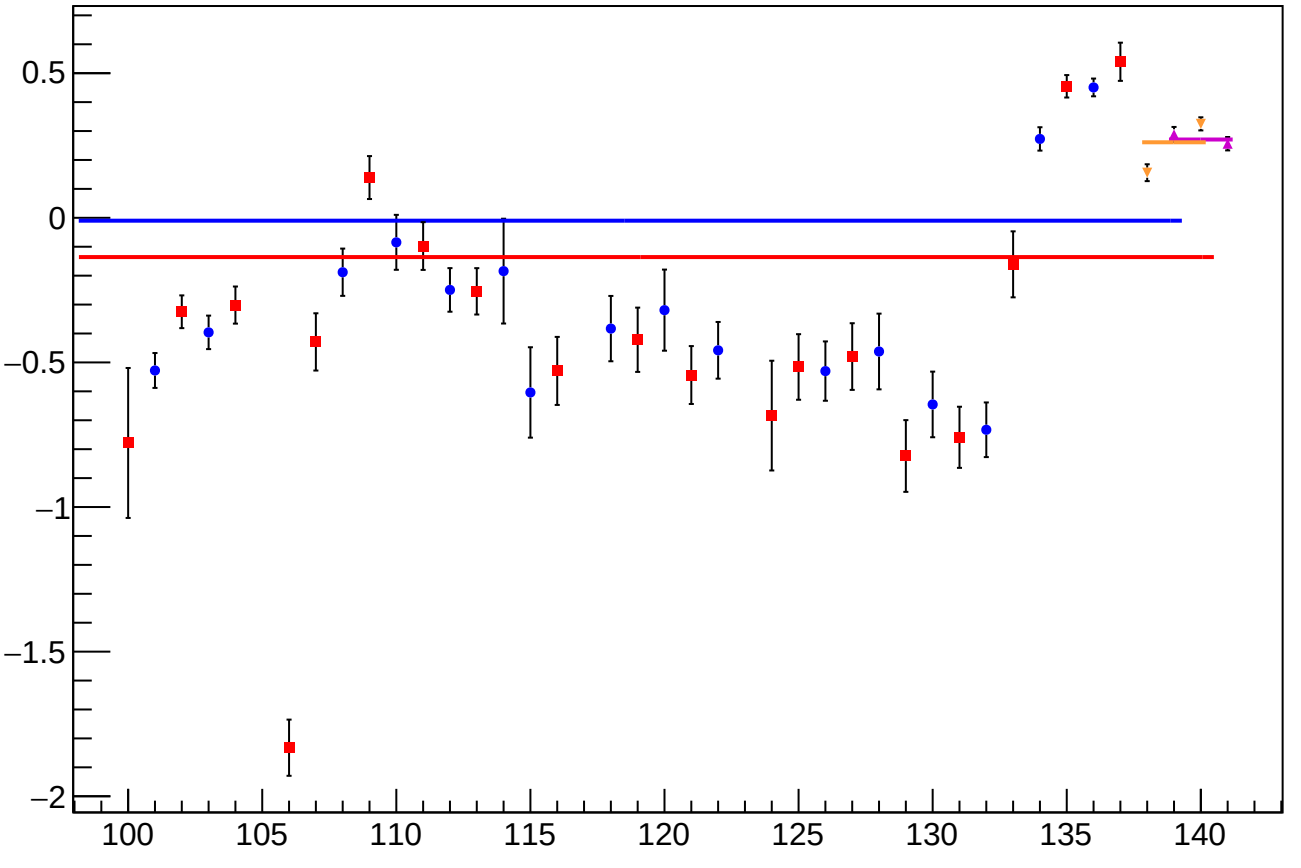
Left: 28.693+/-0.303 χ^2/NDF: 209.2/3

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 29.712+/-0.260 χ^2/NDF:3838.5/17

Out: 24.567+/-0.261 χ^2/NDF:3856.3/20

All: 27.152+/-0.184 χ^2/NDF: 7890.1/38



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.261+/-0.018 χ^2/NDF:20.9/1

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.271+/-0.017 χ^2/NDF:0.9/1

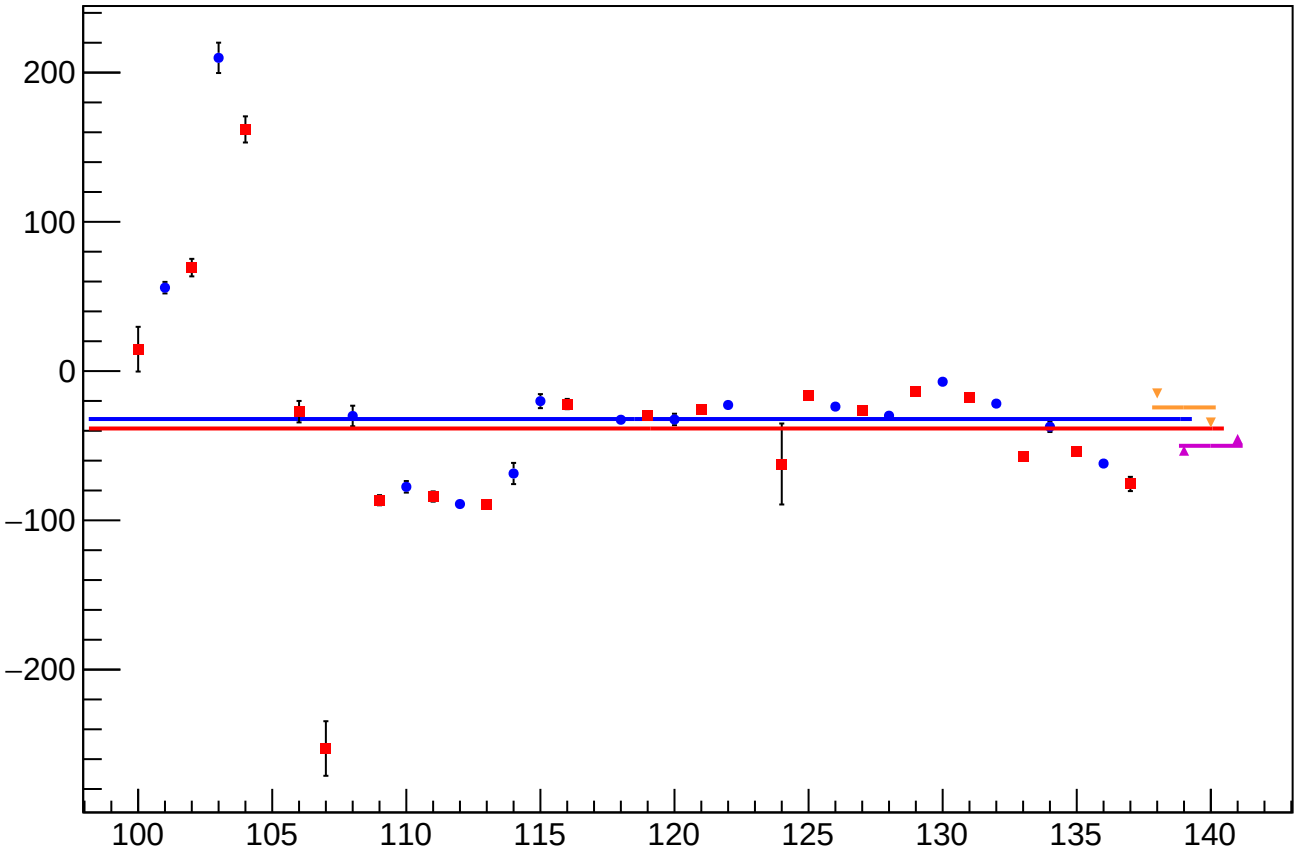
Left: 0.266+/-0.012 χ^2/NDF: 21.9/3

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.131+/-0.012 χ^2/NDF:720.4/17

Out: 0.073+/-0.013 χ^2/NDF:1072.7/20

All: 0.104+/-0.009 χ^2/NDF: 1803.9/38



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -24.342+/-1.757 χ^2/NDF:30.7/1

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -50.059+/-1.856 χ^2/NDF:4.3/1

Left: -36.501+/-1.276 χ^2/NDF: 136.3/3

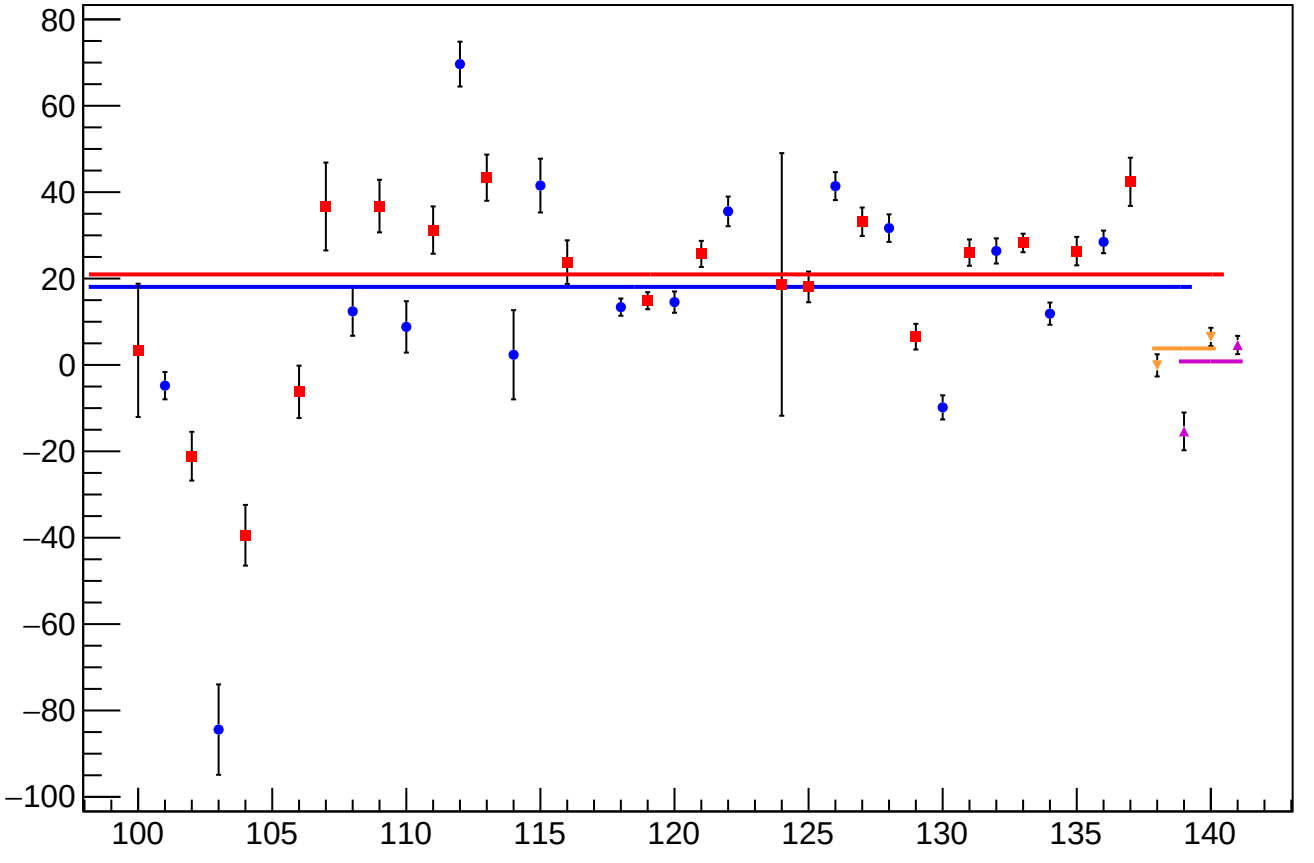
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -35.184+/-0.767 χ^2/NDF:1959.3/17

Out: -35.711+/-0.776 χ^2/NDF:2055.2/20

All: -35.445+/-0.546 χ^2/NDF: 4014.7/38

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 3.819+/-1.636 χ^2/NDF:3.9/1

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 0.816+/-1.903 χ^2/NDF:17.0/1

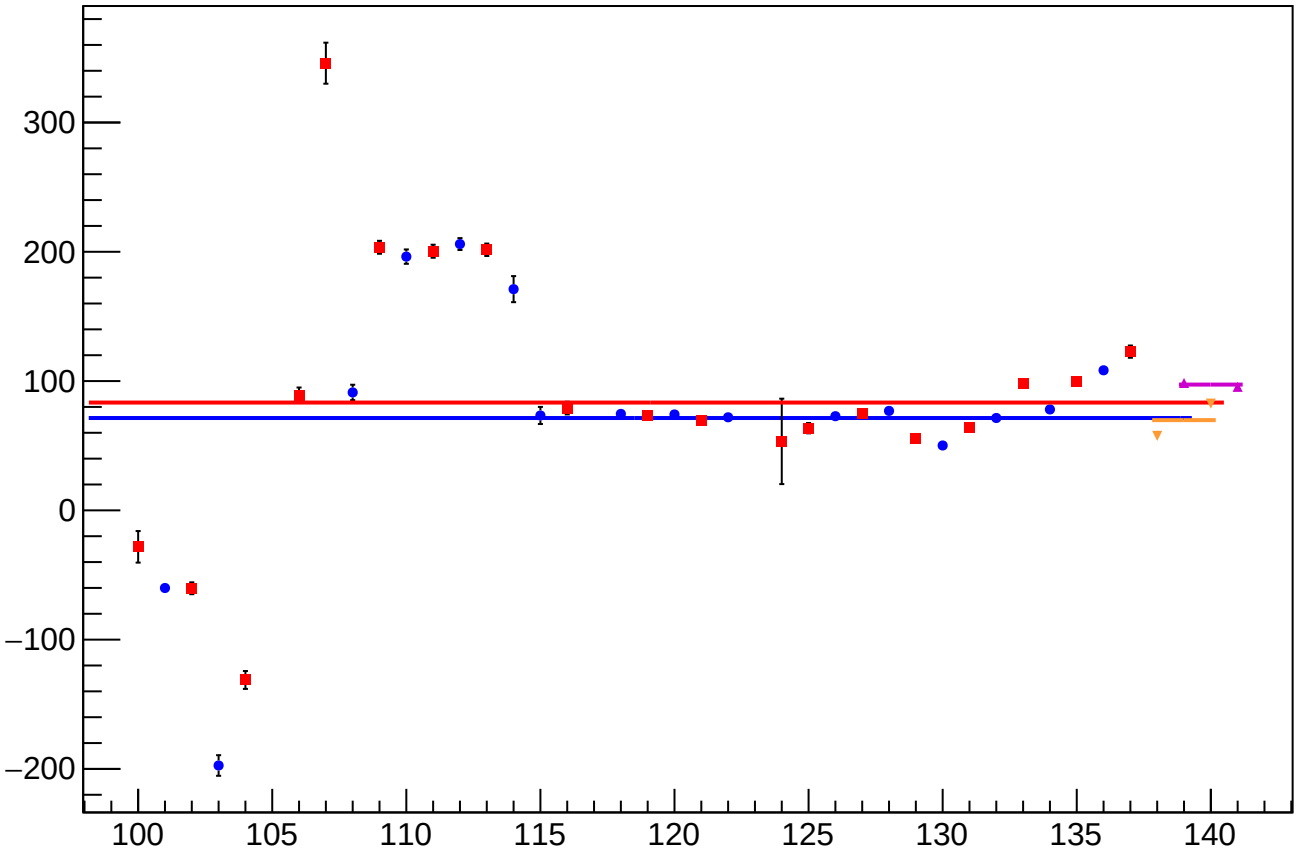
Left: 2.543+/-1.241 χ^2/NDF: 22.3/3

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 15.352+/-0.755 χ^2/NDF:585.8/17

Out: 17.190+/-0.767 χ^2/NDF:352.2/20

All: 16.257+/-0.538 χ^2/NDF: 940.9/38



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 69.797+/-1.822 χ^2/NDF:46.8/1

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 97.281+/-1.922 χ^2/NDF:0.6/1

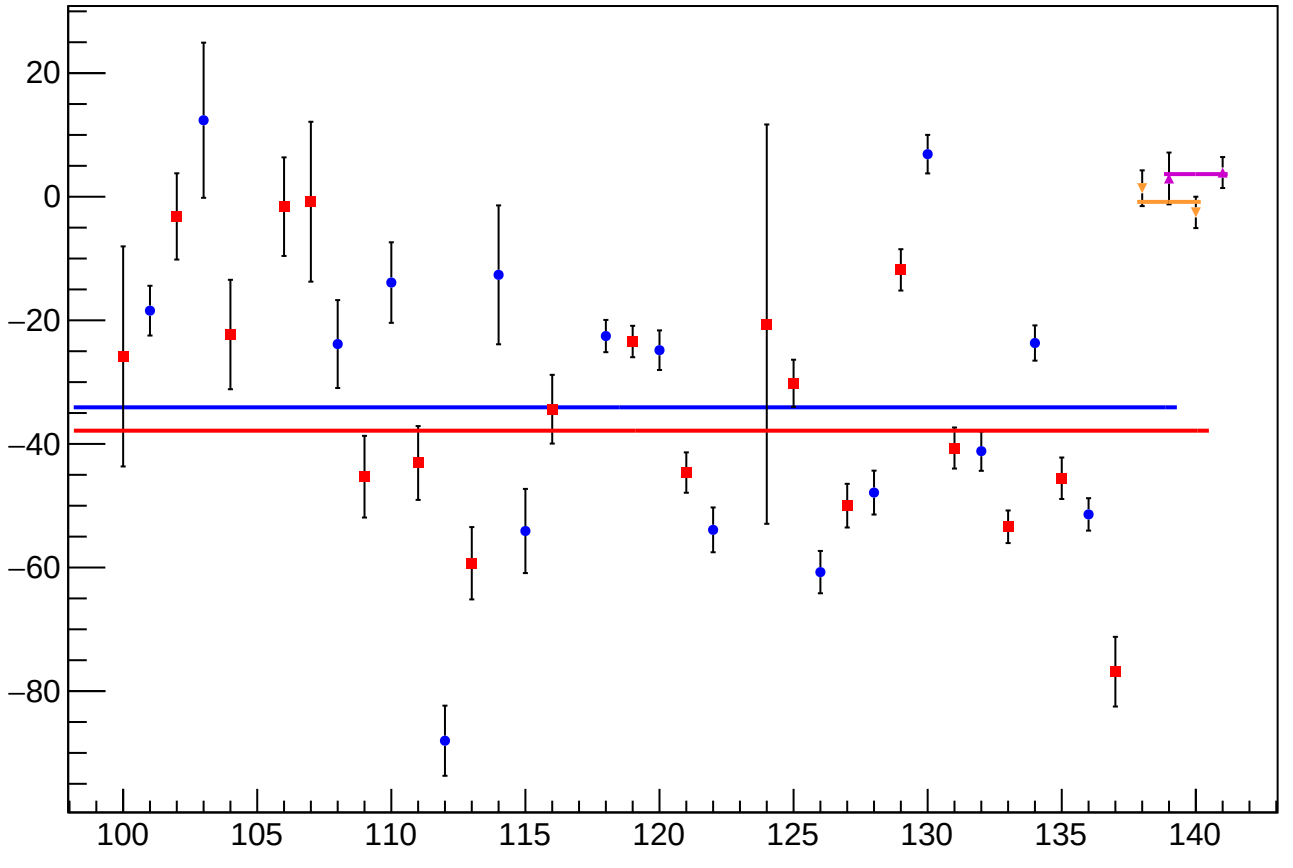
Left: 82.804+/-1.322 χ^2/NDF: 155.1/3

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 76.338+/-0.838 χ^2/NDF:4966.8/17

Out: 80.310+/-0.867 χ^2/NDF:4387.2/20

All: 78.257+/-0.602 χ^2/NDF: 9364.9/38



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -0.834+/-1.908 χ^2/NDF:1.0/1

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: 3.661+/-2.152 χ^2/NDF:0.0/1

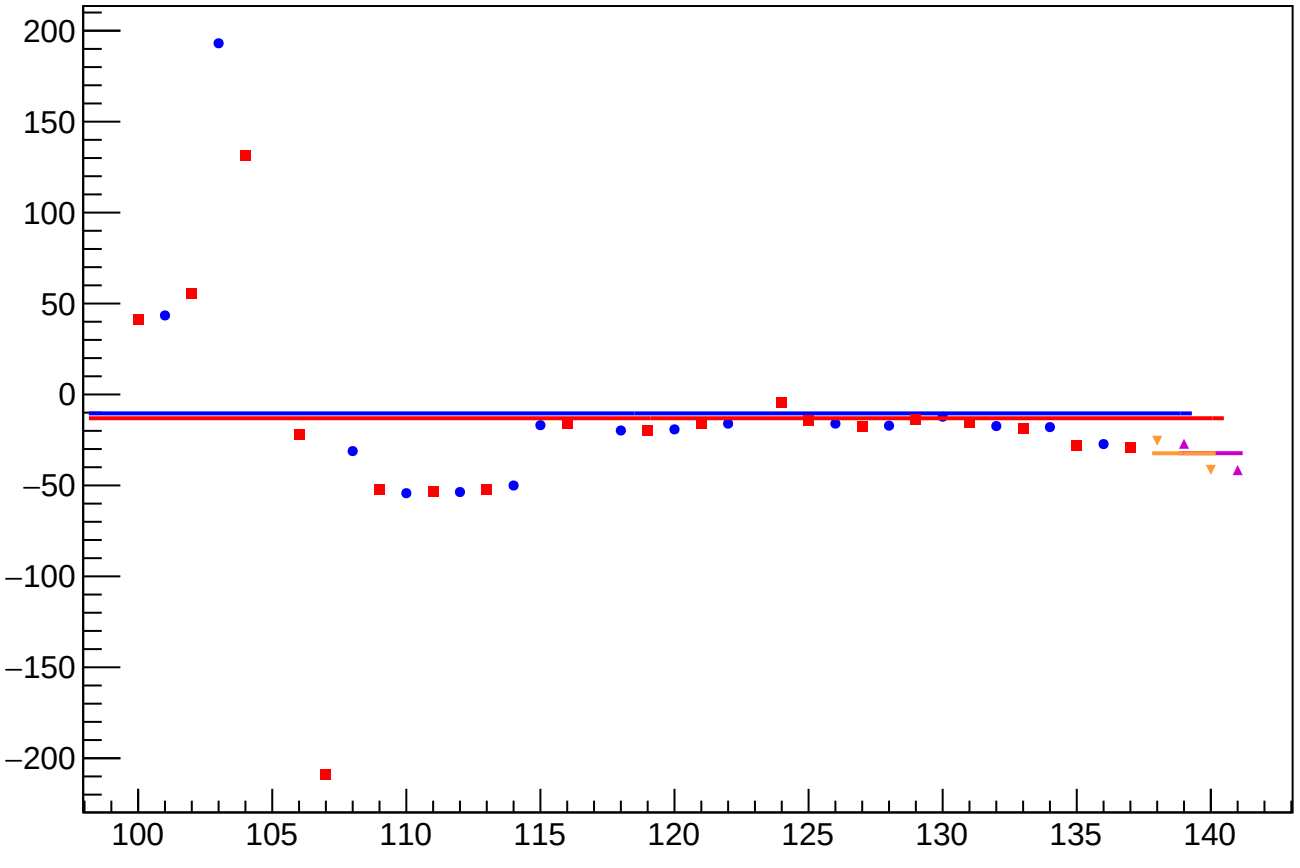
Left: 1.144+/-1.428 χ^2/NDF: 3.5/3

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -28.005+/-0.863 χ^2/NDF:769.3/17

Out: -29.954+/-0.881 χ^2/NDF:571.8/20

All: -28.959+/-0.617 χ^2/NDF: 1343.6/38



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -32.329+/-0.076 χ^2/NDF:10915.1/1

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -32.272+/-0.072 χ^2/NDF:9270.4/1

Left: -32.299+/-0.052 χ^2/NDF: 20185.8/3

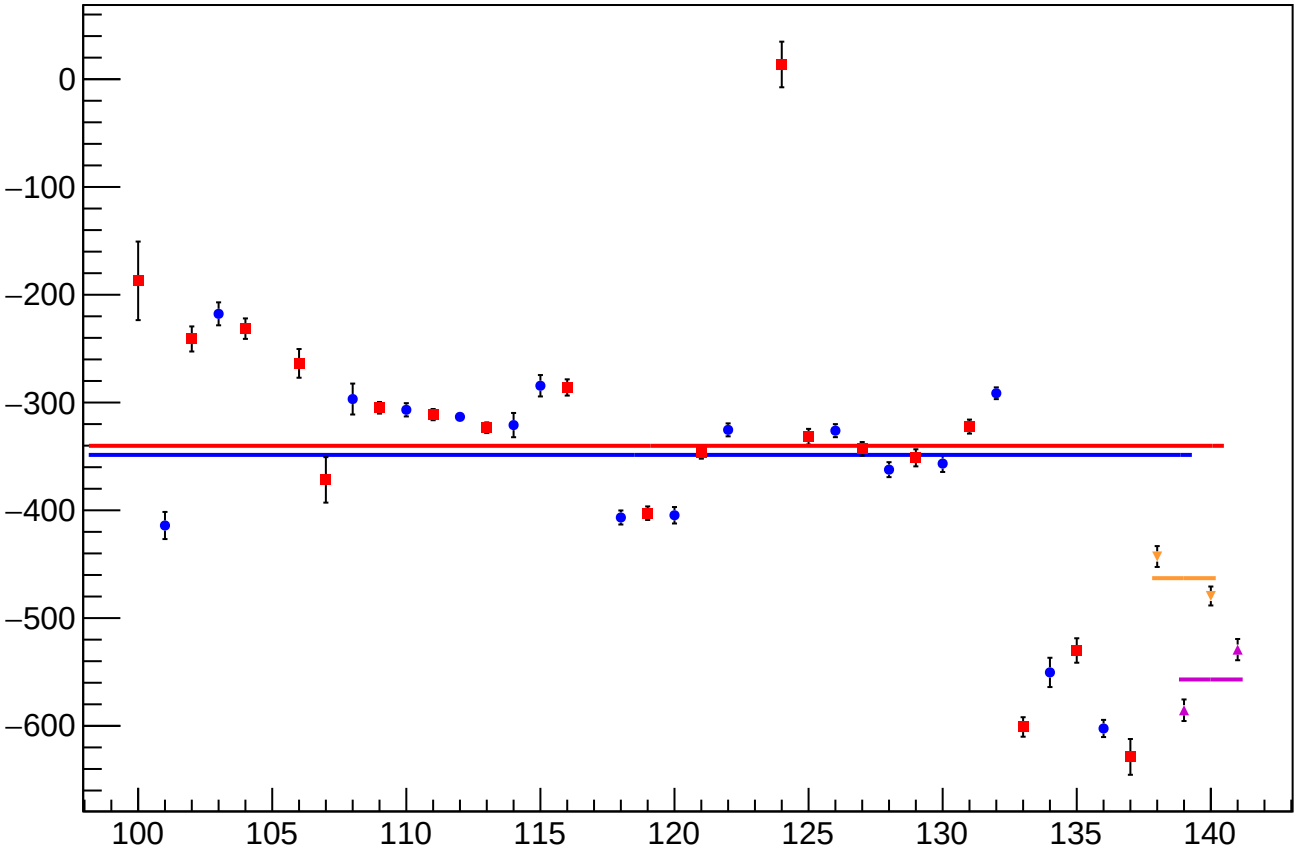
Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -18.772+/-0.045 χ^2/NDF:588323.5/17

Out: -20.889+/-0.048 χ^2/NDF:498901.2/20

All: -19.748+/-0.033 χ^2/NDF: 1088261.1/38

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -462.960+/-6.506 χ^2/NDF:7.8/1

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -556.956+/-7.022 χ^2/NDF:16.0/1

Left: -506.375+/-4.772 χ^2/NDF: 120.3/3

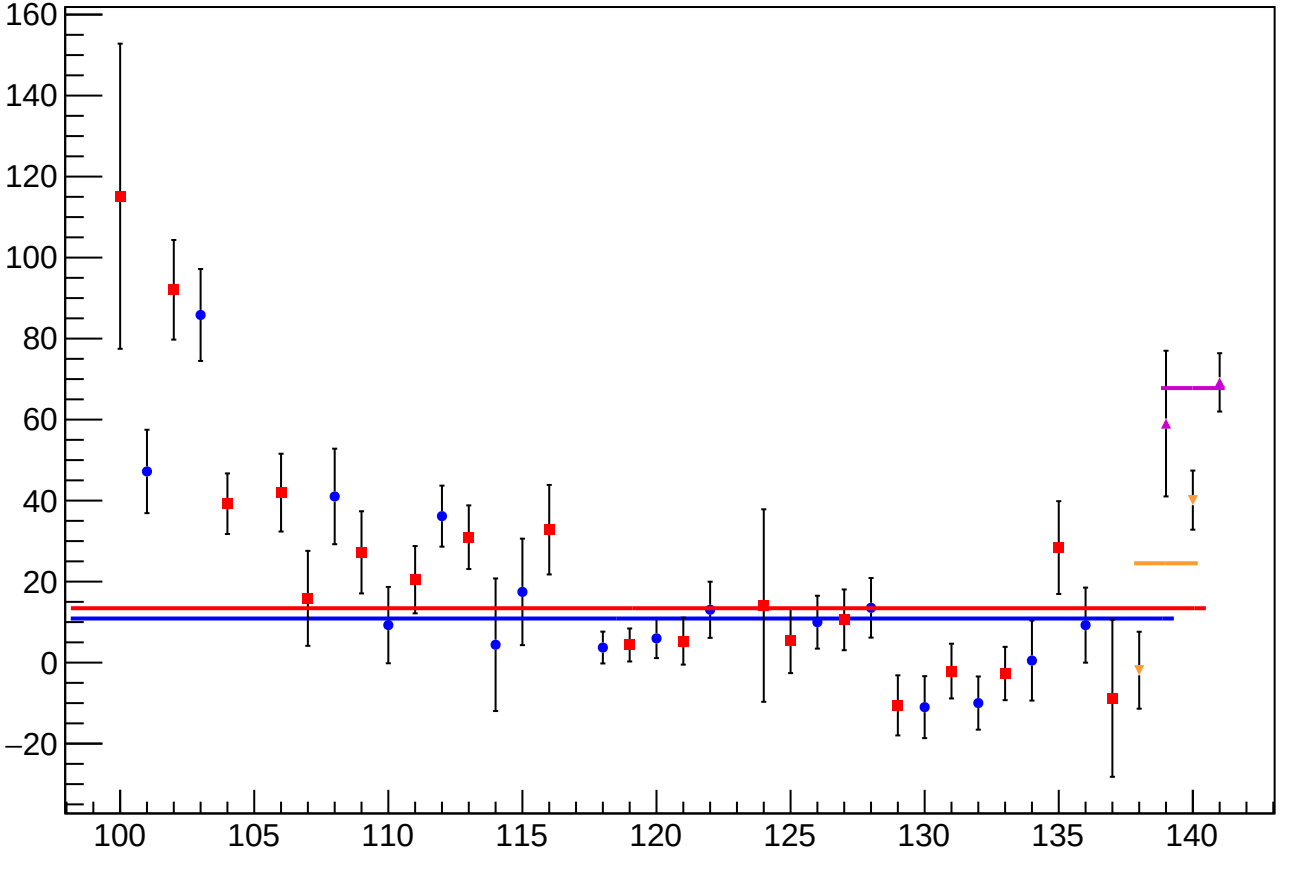
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -361.765+/-1.766 χ^2/NDF:2699.1/17

Out: -348.514+/-1.698 χ^2/NDF:2537.0/20

All: -354.881+/-1.224 χ^2/NDF: 5265.4/38

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 24.527+/-5.787 χ^2/NDF:12.3/1

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 67.782+/-6.685 χ^2/NDF:0.3/1

Left: 43.056+/-4.375 χ^2/NDF: 36.5/3

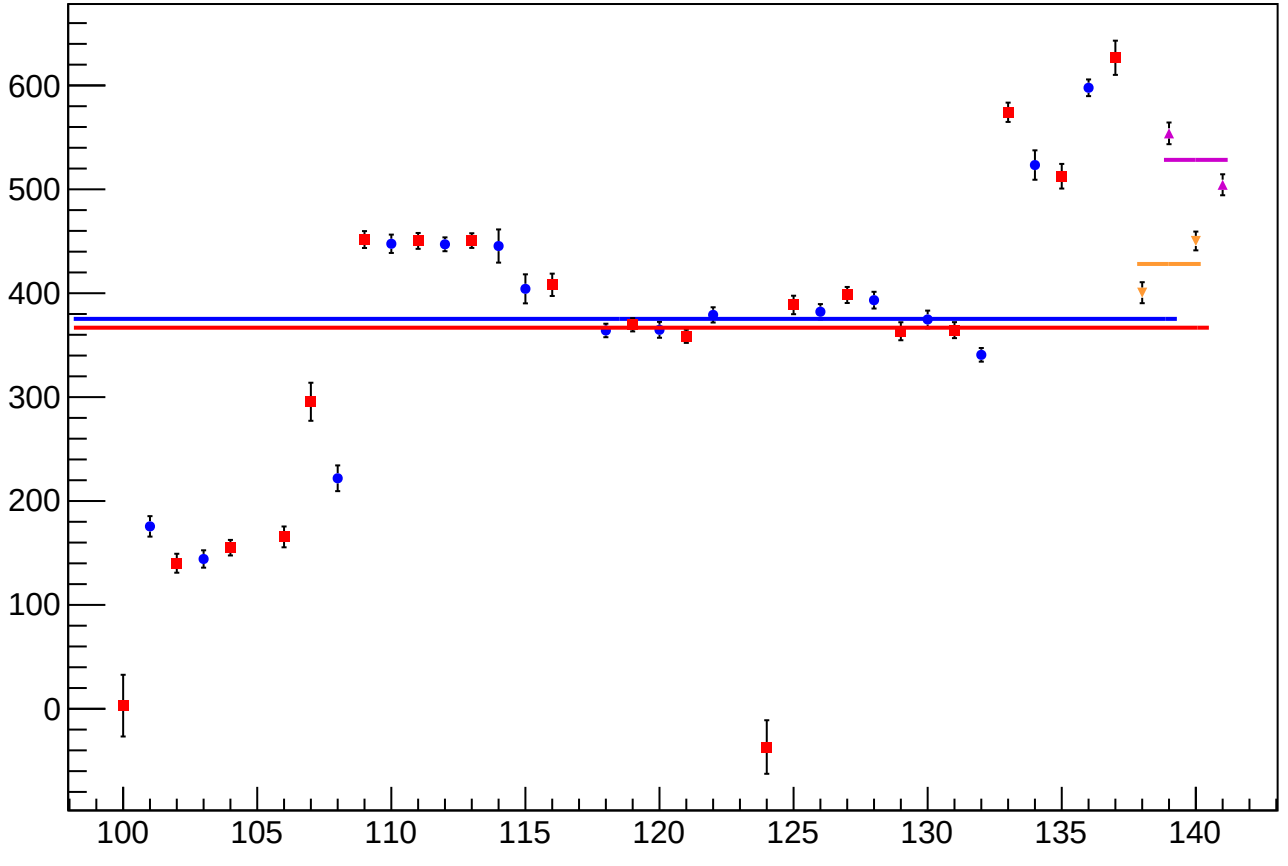
Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 14.906+/-1.776 χ^2/NDF:165.8/17

Out: 14.461+/-1.766 χ^2/NDF:128.0/20

All: 14.682+/-1.252 χ^2/NDF: 293.9/38

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 428.166+/-6.733 χ^2/NDF:13.5/1

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 528.360+/-7.261 χ^2/NDF:11.6/1

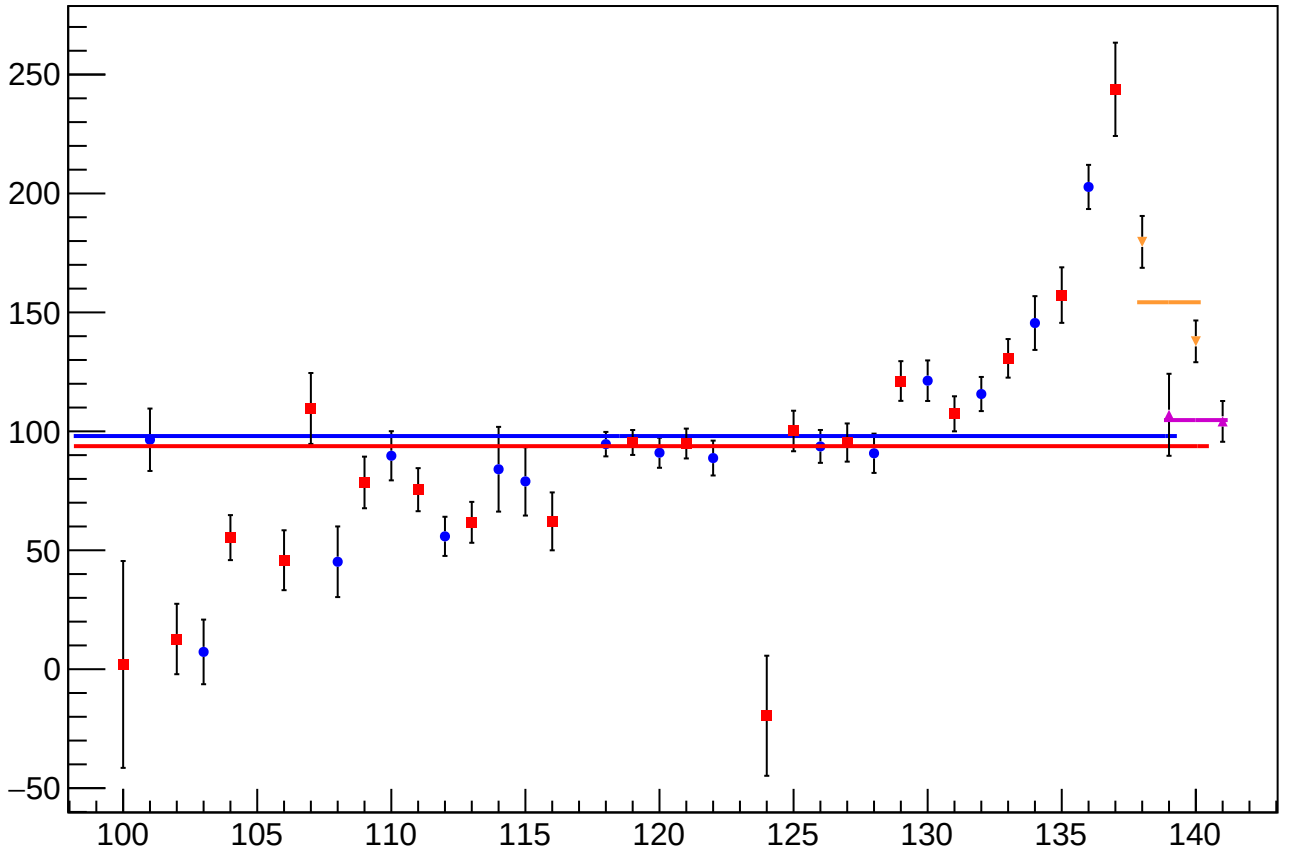
Left: 474.488+/-4.937 χ^2/NDF: 127.5/3

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 387.162+/-2.020 χ^2/NDF:2870.9/17

Out: 372.031+/-1.961 χ^2/NDF:3630.6/20

All: 379.372+/-1.407 χ^2/NDF: 6530.4/38



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 154.268+/-6.836 χ^2/NDF:8.9/1

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 104.732+/-7.676 χ^2/NDF:0.0/1

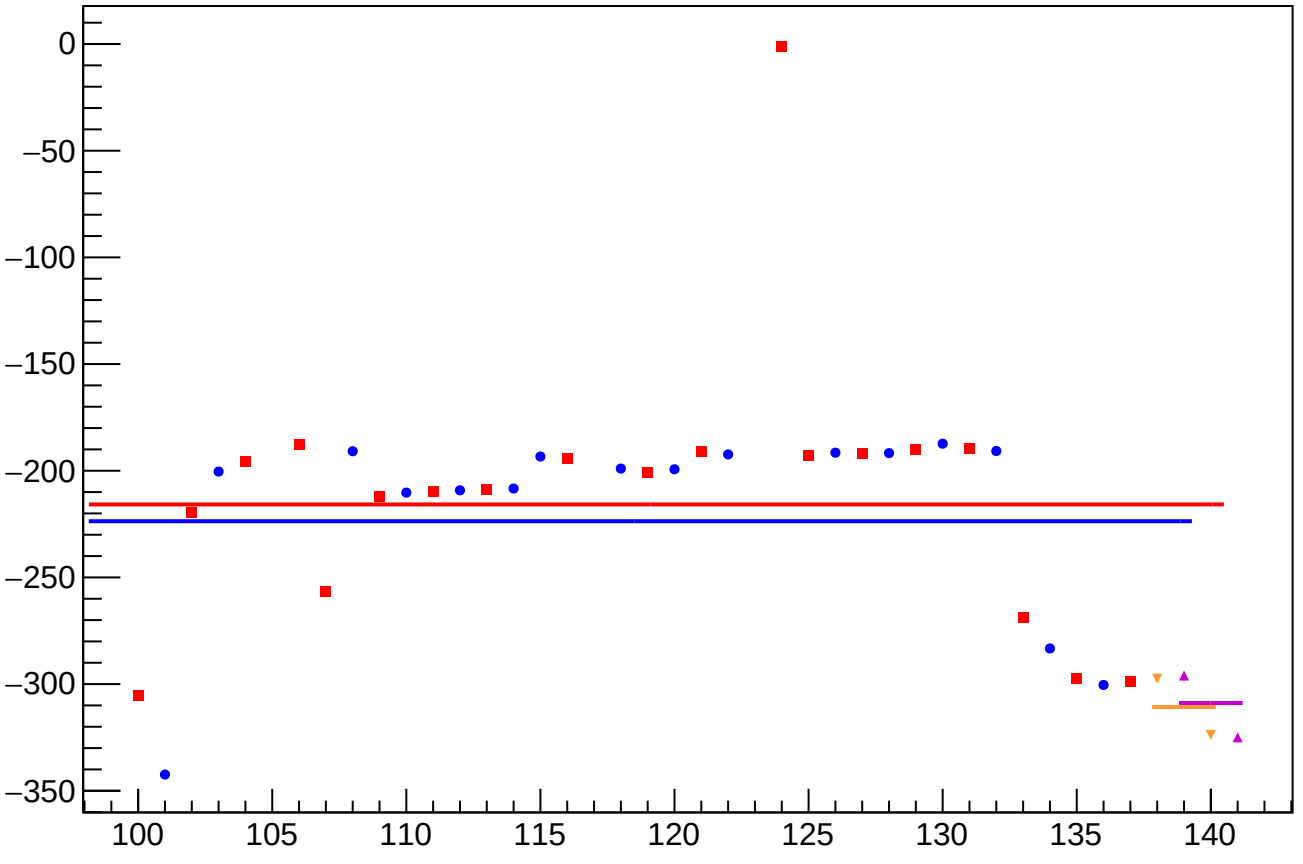
Left: 132.356+/-5.105 χ^2/NDF: 32.2/3

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 98.507+/-2.065 χ^2/NDF:250.2/17

Out: 99.163+/-2.041 χ^2/NDF:317.4/20

All: 98.839+/-1.452 χ^2/NDF: 567.6/38



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -310.748+/-0.286 χ^2/NDF:2116.7/1

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -308.863+/-0.277 χ^2/NDF:2701.2/1

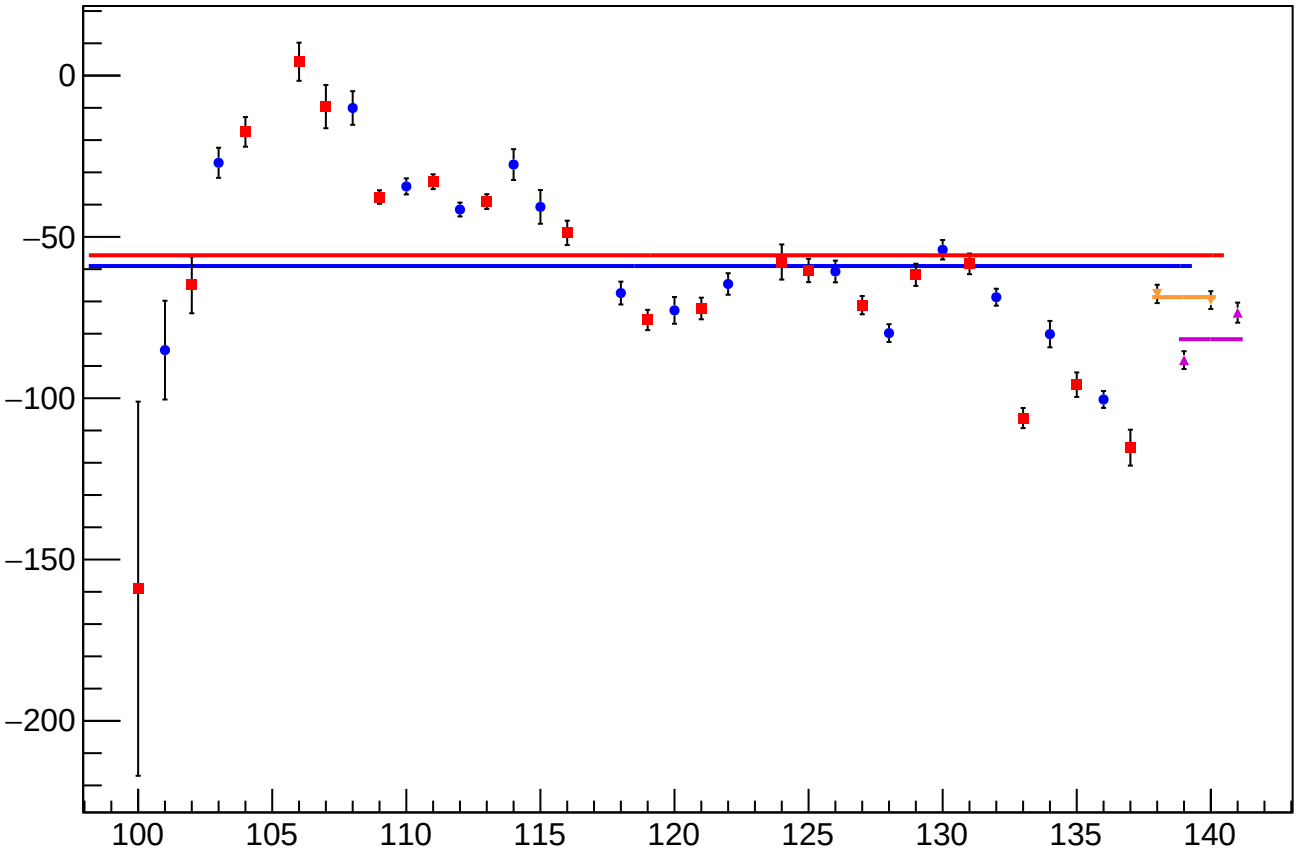
Left: -309.774+/-0.199 χ^2/NDF: 4840.3/3

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -240.680+/-0.124 χ^2/NDF:200030.1/17

Out: -232.932+/-0.122 χ^2/NDF:173840.3/20

All: -236.739+/-0.087 χ^2/NDF: 375866.0/38



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -68.657+/-1.982 χ^2/NDF:0.2/1

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -81.702+/-2.066 χ^2/NDF:12.5/1

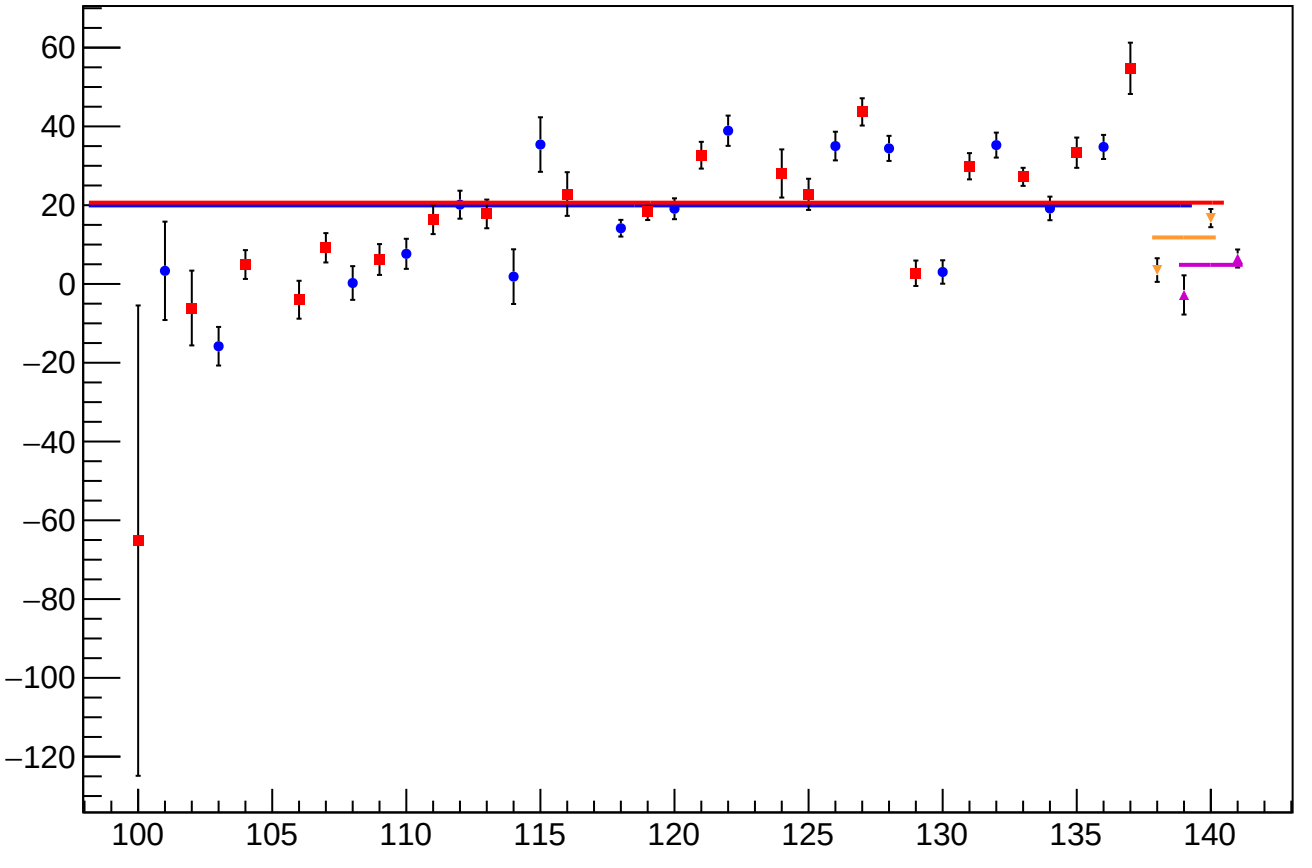
Left: -74.909+/-1.430 χ^2/NDF: 33.5/3

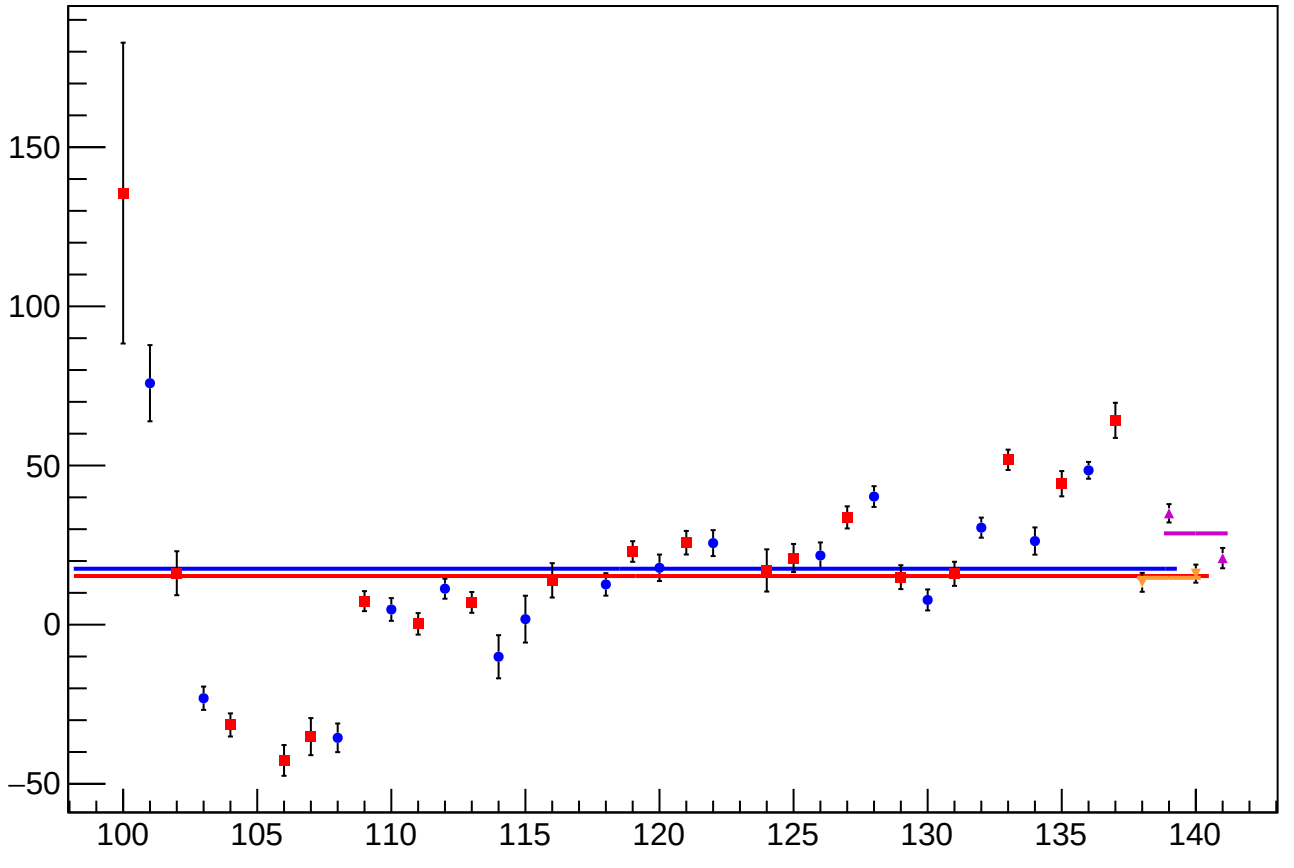
Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -62.176+/-0.770 χ^2/NDF:843.5/17

Out: -57.477+/-0.734 χ^2/NDF:1078.3/20

All: -59.715+/-0.531 χ^2/NDF: 1941.3/38


reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
105
110
115
120
125
130
135
140
Right In: 19.946+/-0.867 χ²/NDF: 247.2/15
Left Out: 11.810+/-1.831 χ²/NDF:12.1/1
Right Out: 20.643+/-0.844 χ²/NDF: 224.8/18
Left In: 4.851+/-2.079 χ²/NDF:2.8/1
Left: 8.771+/-1.374 χ²/NDF: 21.3/3
Right: 20.304+/-0.605 χ²/NDF: 472.3/34
In: 17.708+/-0.800 χ²/NDF:294.9/17
Out: 19.096+/-0.766 χ²/NDF:256.1/20
All: 18.432+/-0.554 χ²/NDF: 552.6/38



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 14.725+/-2.053 χ^2/NDF:0.4/1

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 28.679+/-2.138 χ^2/NDF:10.7/1

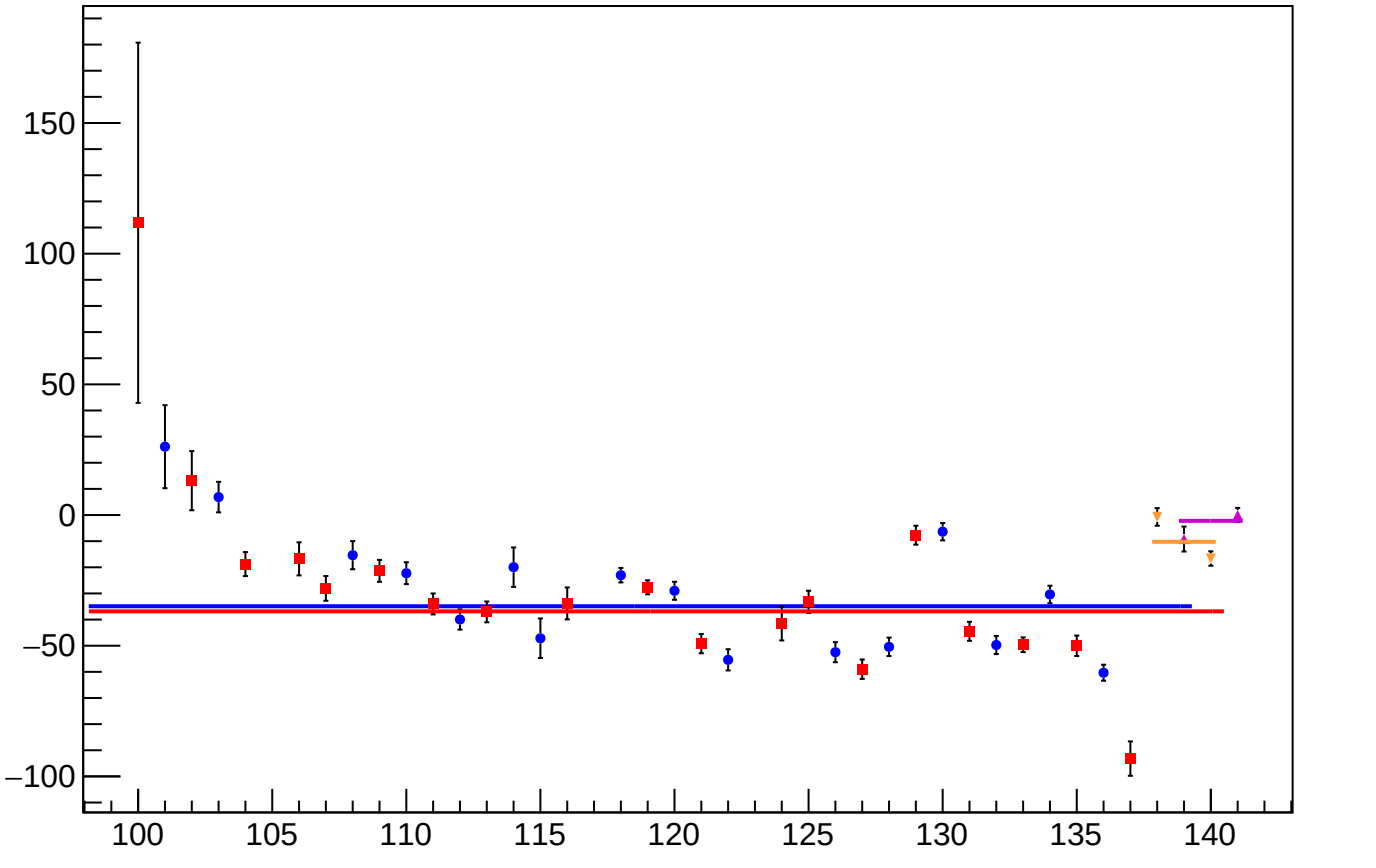
Left: 21.419+/-1.481 χ^2/NDF: 33.3/3

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 19.426+/-0.873 χ^2/NDF:579.4/17

Out: 15.187+/-0.850 χ^2/NDF:730.5/20

All: 17.250+/-0.609 χ^2/NDF: 1322.0/38



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -10.240+/-2.139 χ^2/NDF:13.3/1

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -2.226+/-2.359 χ^2/NDF:2.8/1

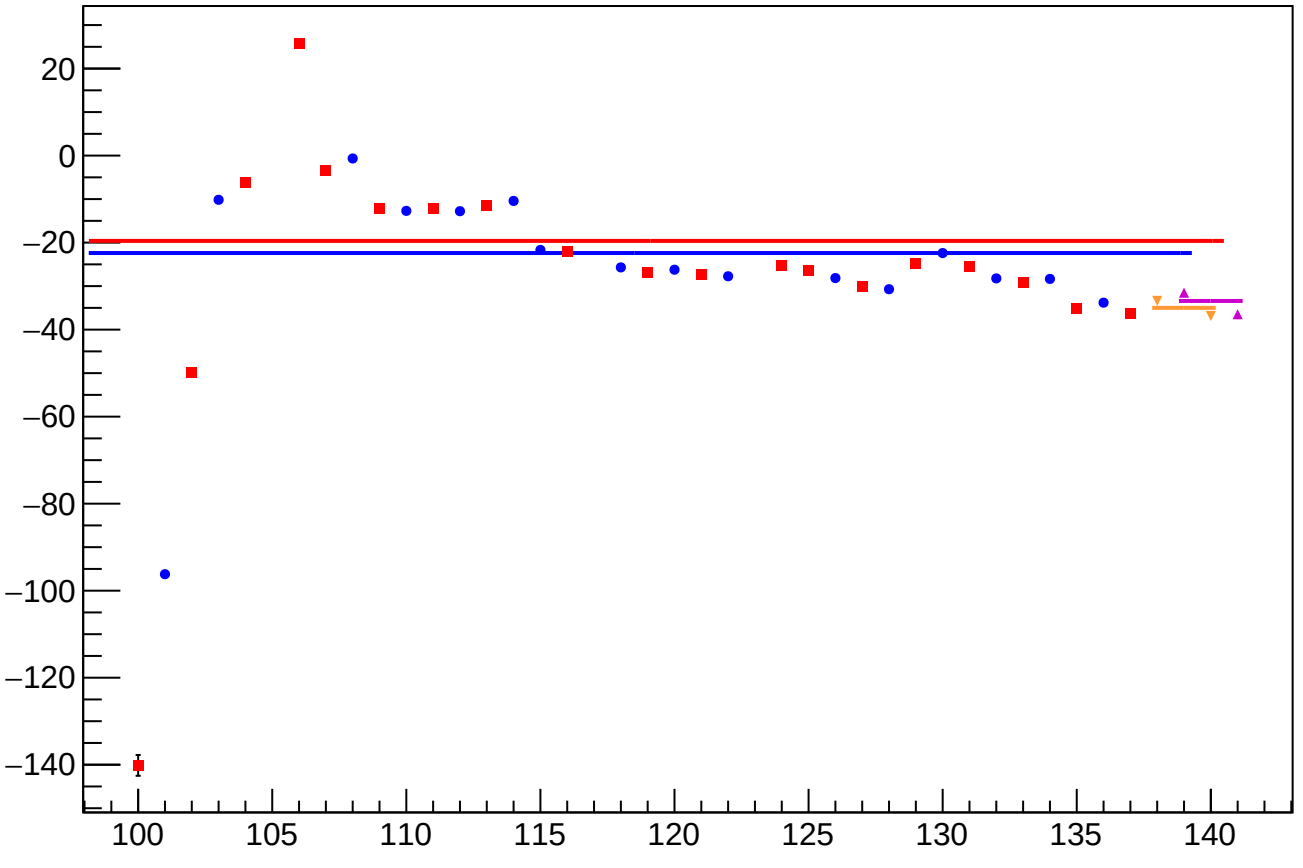
Left: -6.623+/-1.585 χ^2/NDF: 22.5/3

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -30.004+/-0.913 χ^2/NDF:512.5/17

Out: -32.319+/-0.883 χ^2/NDF:443.1/20

All: -31.200+/-0.635 χ^2/NDF: 959.0/38



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -34.997+/-0.086 χ^2/NDF:407.7/1

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -33.413+/-0.081 χ^2/NDF:890.6/1

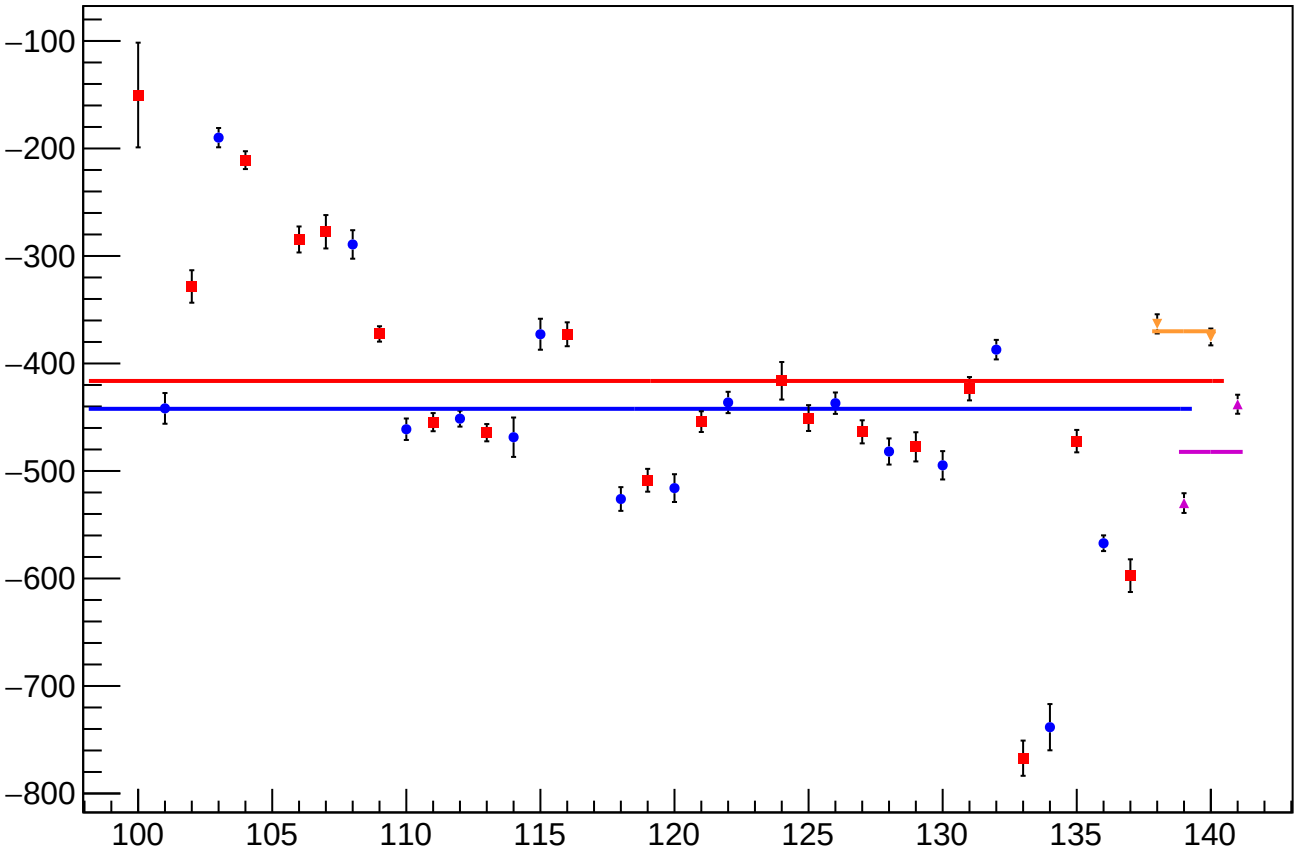
Left: -34.156+/-0.059 χ^2/NDF: 1479.6/3

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -26.176+/-0.047 χ^2/NDF:59677.5/17

Out: -24.607+/-0.049 χ^2/NDF:106055.1/20

All: -25.418+/-0.034 χ^2/NDF: 166266.0/38



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -370.050+/-5.885 χ^2/NDF:1.1/1

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -482.245+/-6.369 χ^2/NDF:52.0/1

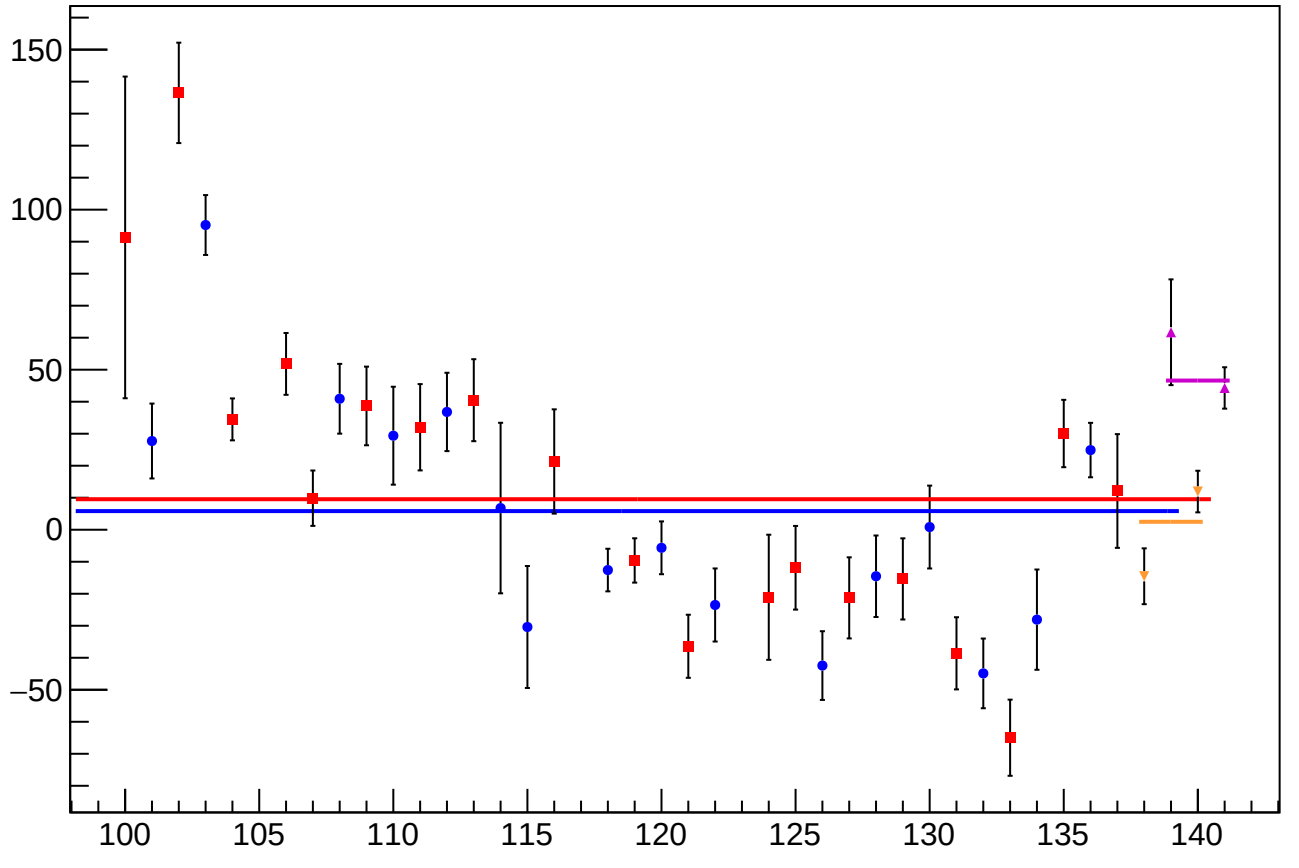
Left: -421.715+/-4.322 χ^2/NDF: 220.5/3

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -448.215+/-2.472 χ^2/NDF:1674.7/17

Out: -409.086+/-2.318 χ^2/NDF:1807.0/20

All: -427.401+/-1.691 χ^2/NDF: 3615.0/38



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 2.484+/-5.213 χ^2/NDF:5.9/1

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 46.610+/-6.021 χ^2/NDF:1.0/1

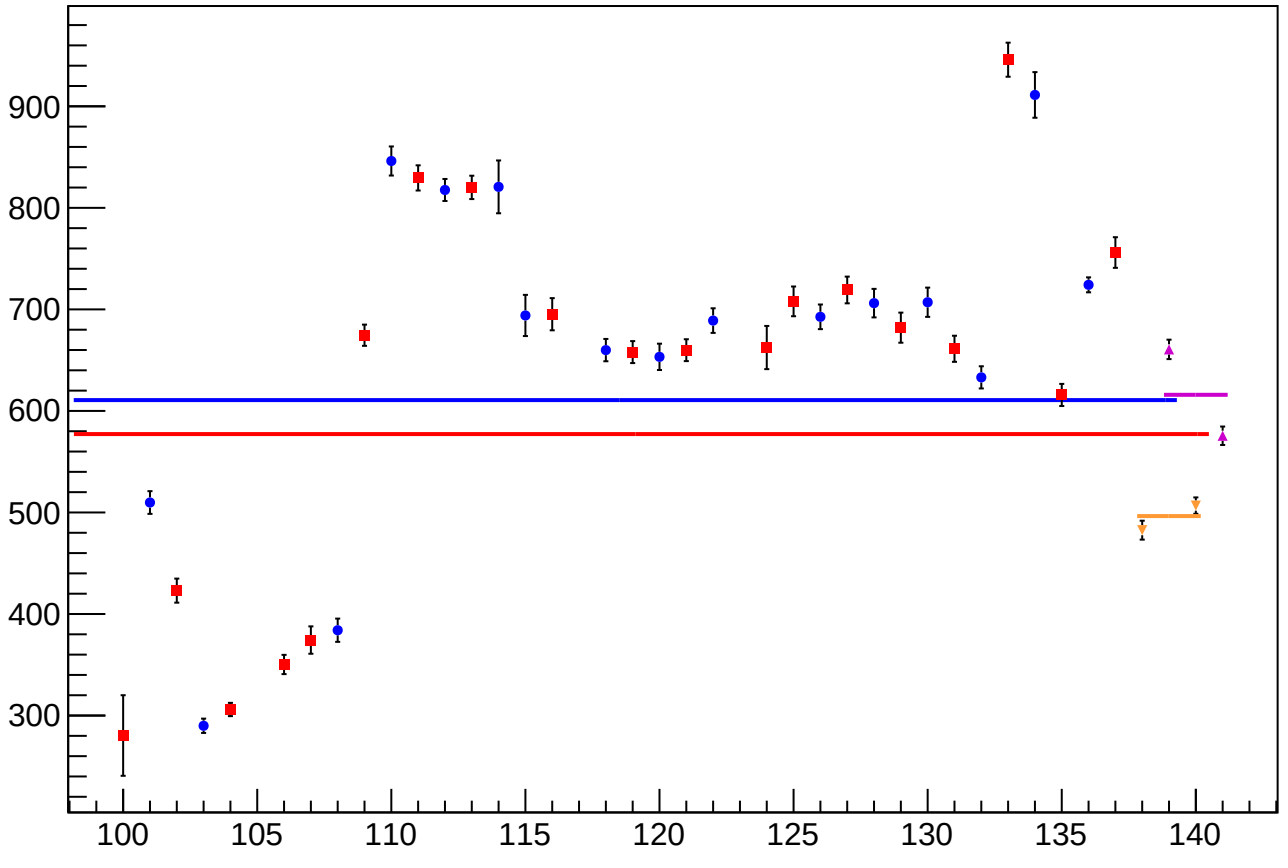
Left: 21.389+/-3.941 χ^2/NDF: 37.6/3

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 12.771+/-2.485 χ^2/NDF:227.2/17

Out: 8.169+/-2.295 χ^2/NDF:229.5/20

All: 10.287+/-1.686 χ^2/NDF: 458.6/38



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 496.442+/-6.088 χ^2/NDF:3.9/1

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 615.878+/-6.584 χ^2/NDF:41.6/1

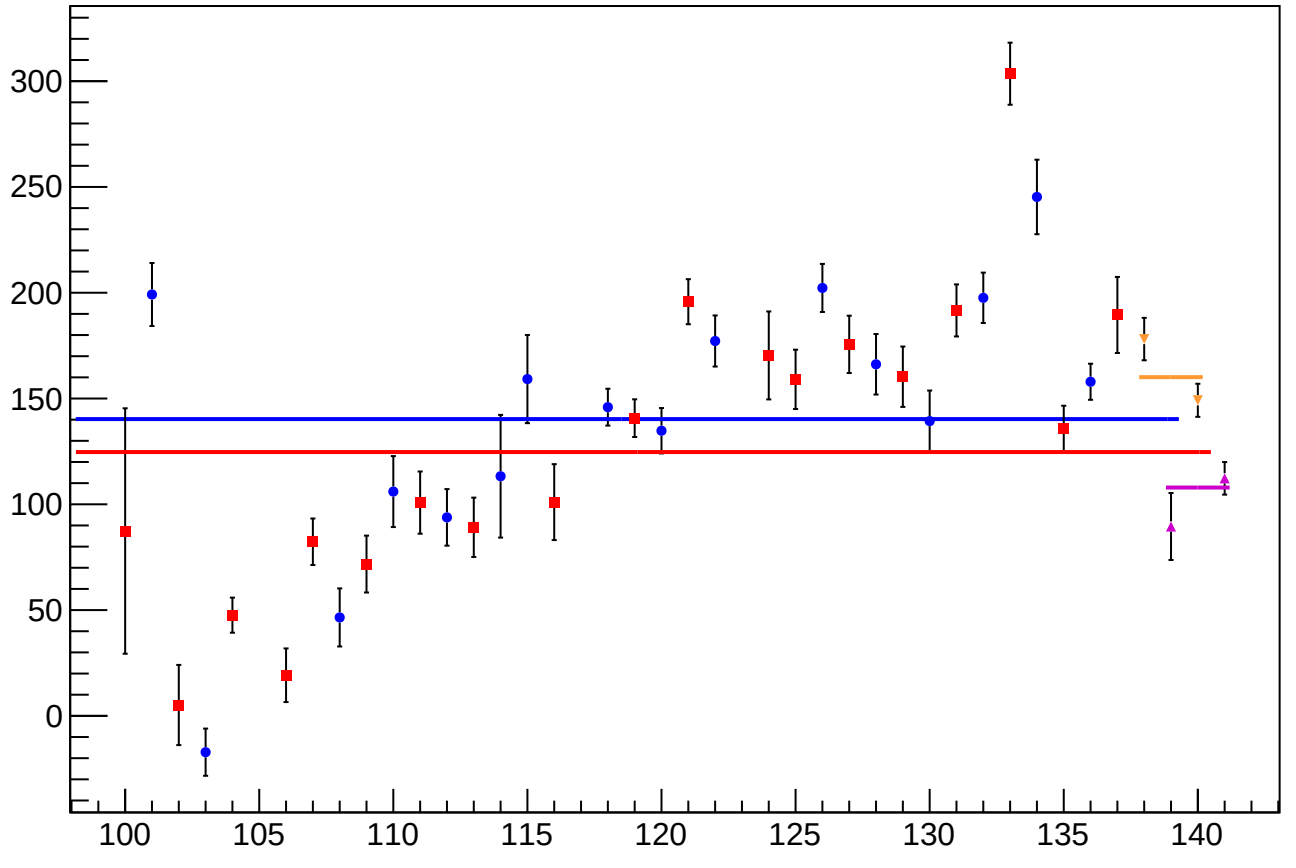
Left: 551.499+/-4.470 χ^2/NDF: 222.9/3

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 611.509+/-2.648 χ^2/NDF:3934.7/17

Out: 563.479+/-2.510 χ^2/NDF:4950.2/20

All: 586.209+/-1.822 χ^2/NDF: 9058.2/38



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 160.100+/-6.165 χ^2/NDF:5.2/1

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 107.923+/-6.924 χ^2/NDF:1.7/1

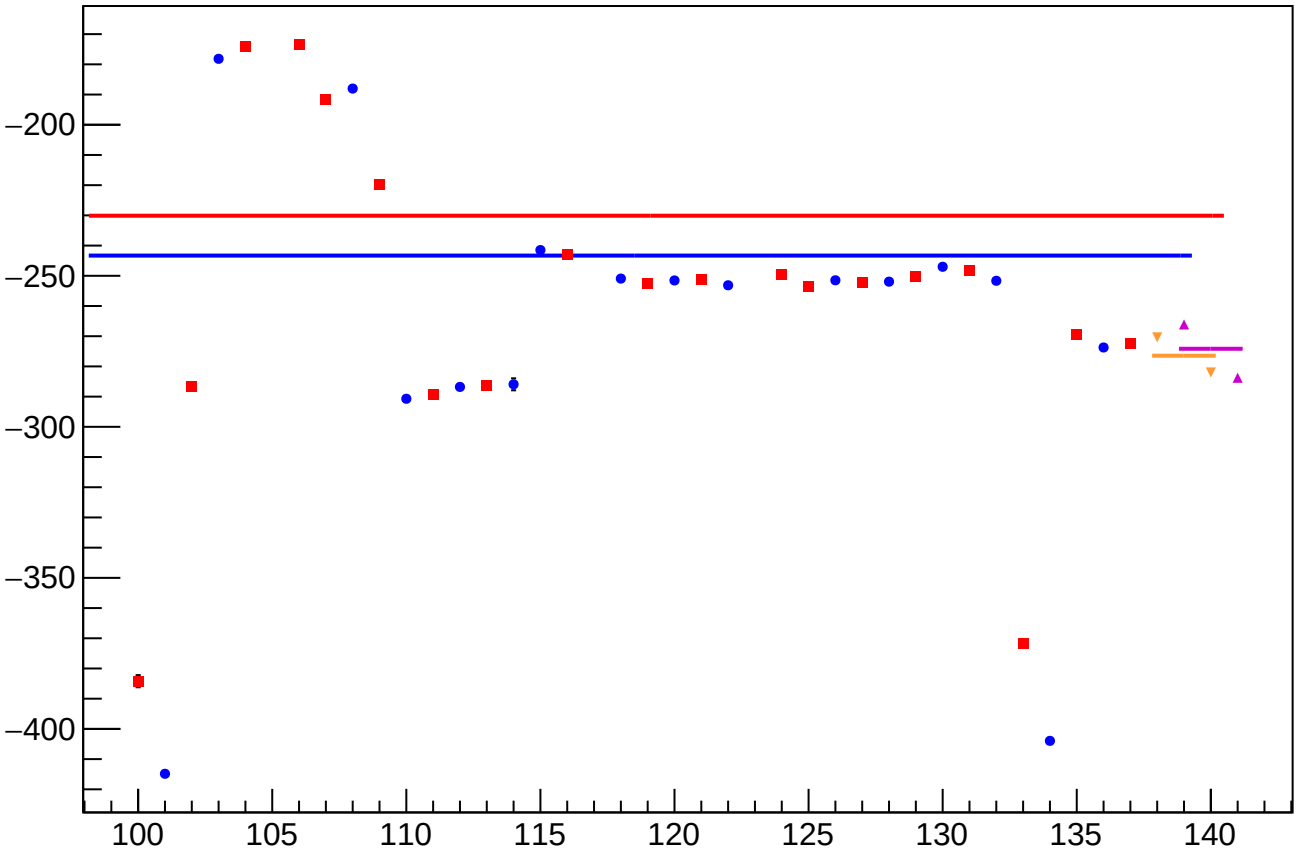
Left: 137.025+/-4.604 χ^2/NDF: 38.5/3

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 134.726+/-2.868 χ^2/NDF:405.1/17

Out: 131.397+/-2.682 χ^2/NDF:540.5/20

All: 132.950+/-1.959 χ^2/NDF: 946.3/38



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -276.453+/-0.259 χ^2/NDF:501.4/1

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -274.157+/-0.252 χ^2/NDF:1218.7/1

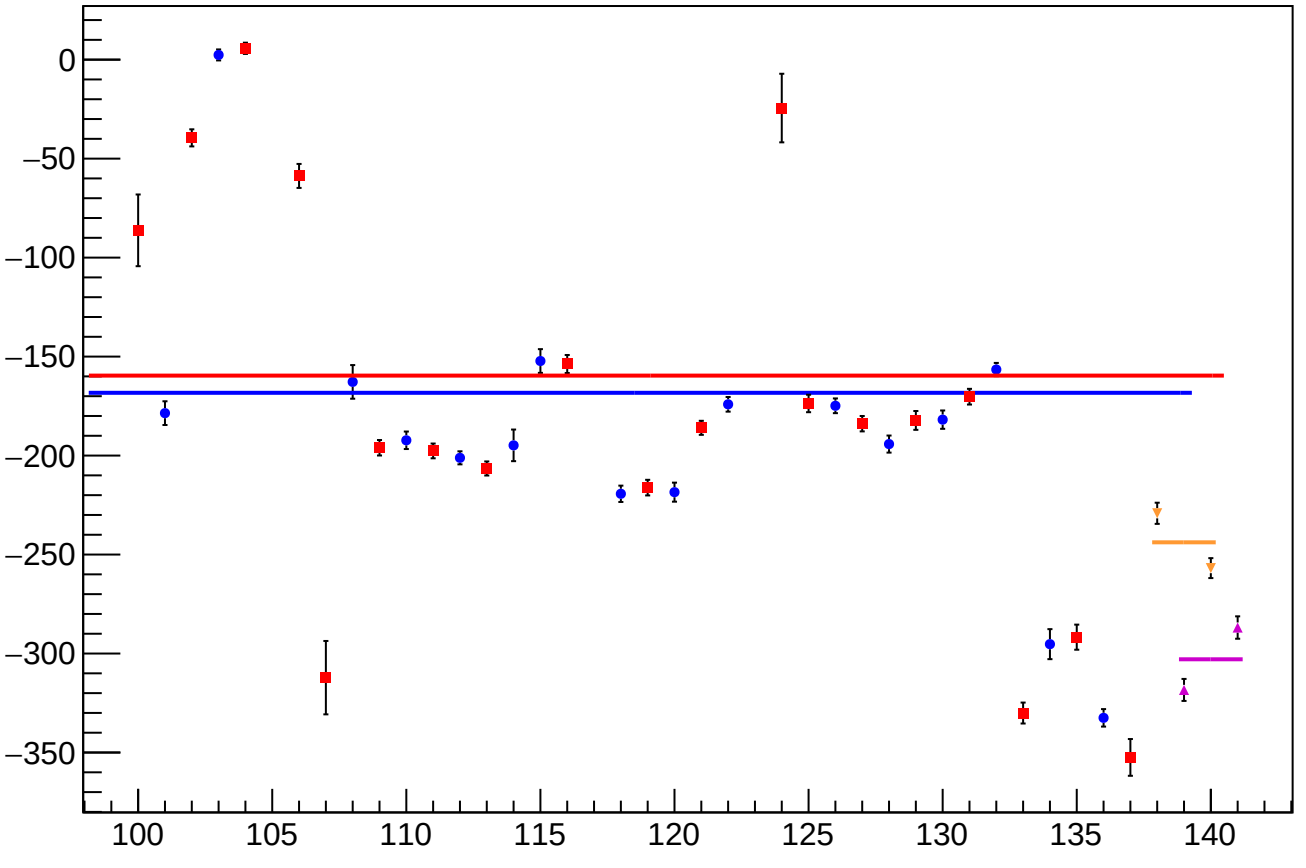
Left: -275.271+/-0.181 χ^2/NDF: 1760.4/3

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.383+/-0.137 χ^2/NDF:185306.9/17

Out: -242.575+/-0.135 χ^2/NDF:126281.7/20

All: -247.407+/-0.096 χ^2/NDF: 314206.3/38



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -243.822+/-3.666 χ^2/NDF:14.2/1

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -302.909+/-3.965 χ^2/NDF:15.8/1

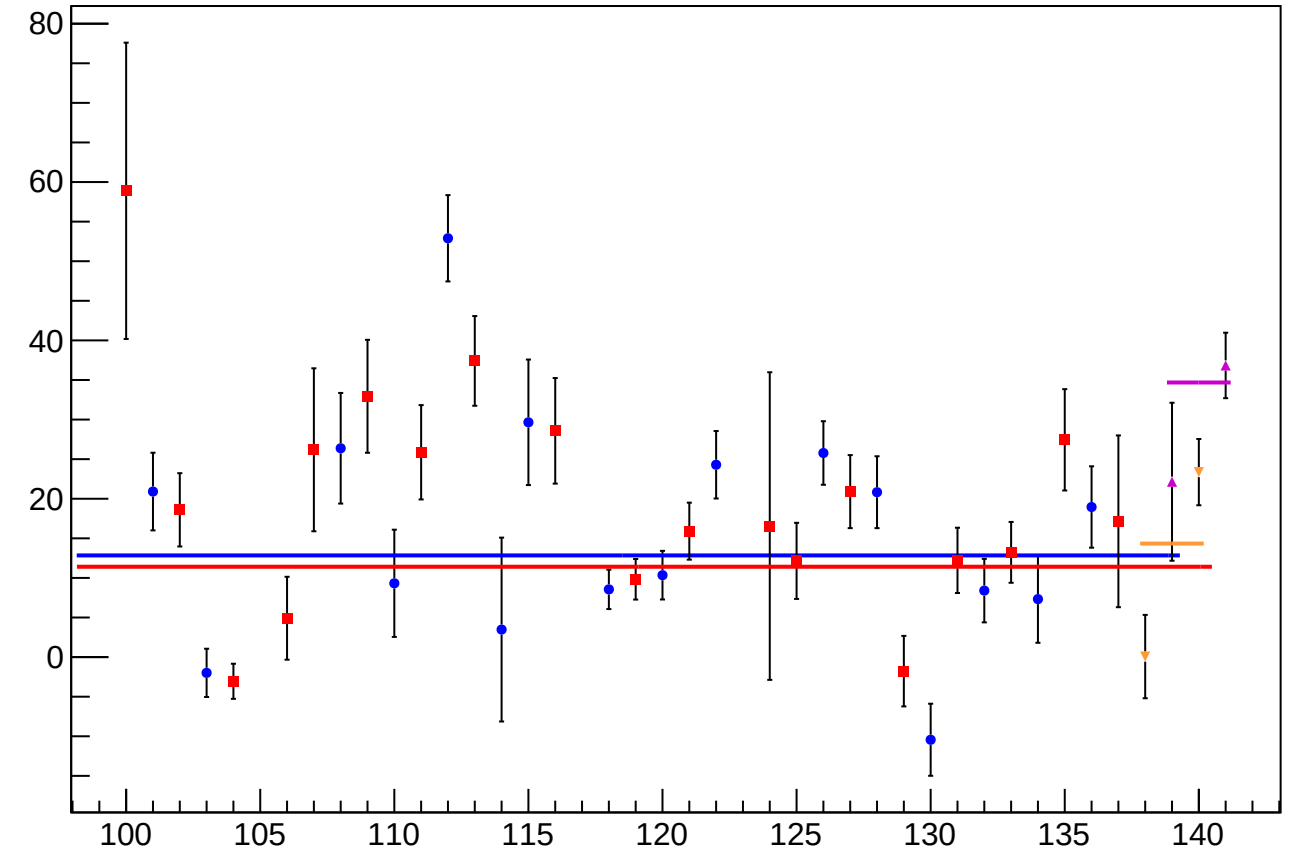
Left: -271.050+/-2.692 χ^2/NDF: 149.7/3

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -177.520+/-1.038 χ^2/NDF:6996.9/17

Out: -165.901+/-1.003 χ^2/NDF:7700.4/20

All: -171.508+/-0.721 χ^2/NDF: 14762.1/38



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 14.339+/-3.276 χ^2/NDF:12.0/1

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 34.684+/-3.820 χ^2/NDF:1.8/1

Left: 22.962+/-2.487 χ^2/NDF: 30.2/3

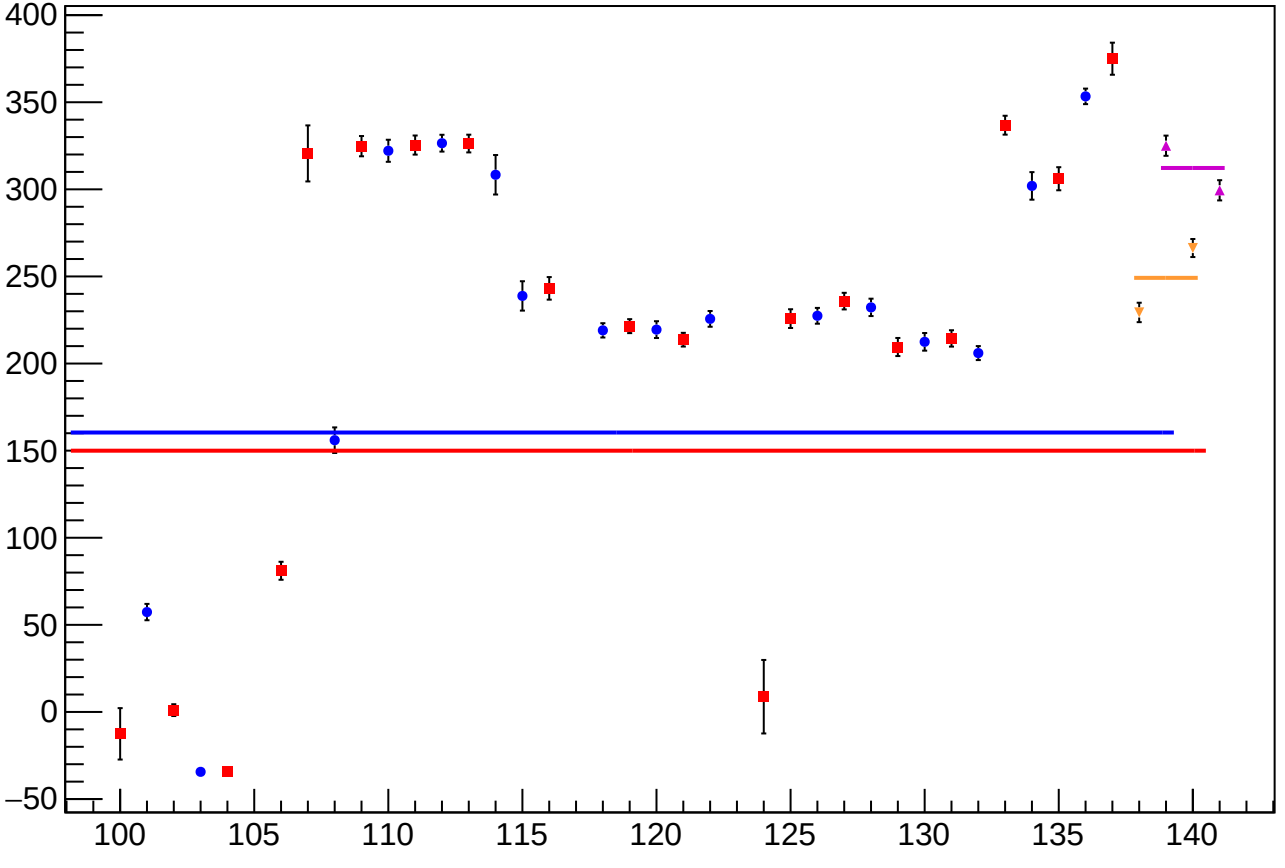
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 14.449+/-1.036 χ^2/NDF:175.8/17

Out: 11.679+/-0.987 χ^2/NDF:132.3/20

All: 12.997+/-0.715 χ^2/NDF: 311.9/38

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 249.188+/-3.795 χ^2/NDF:23.6/1

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 312.264+/-4.102 χ^2/NDF:9.7/1

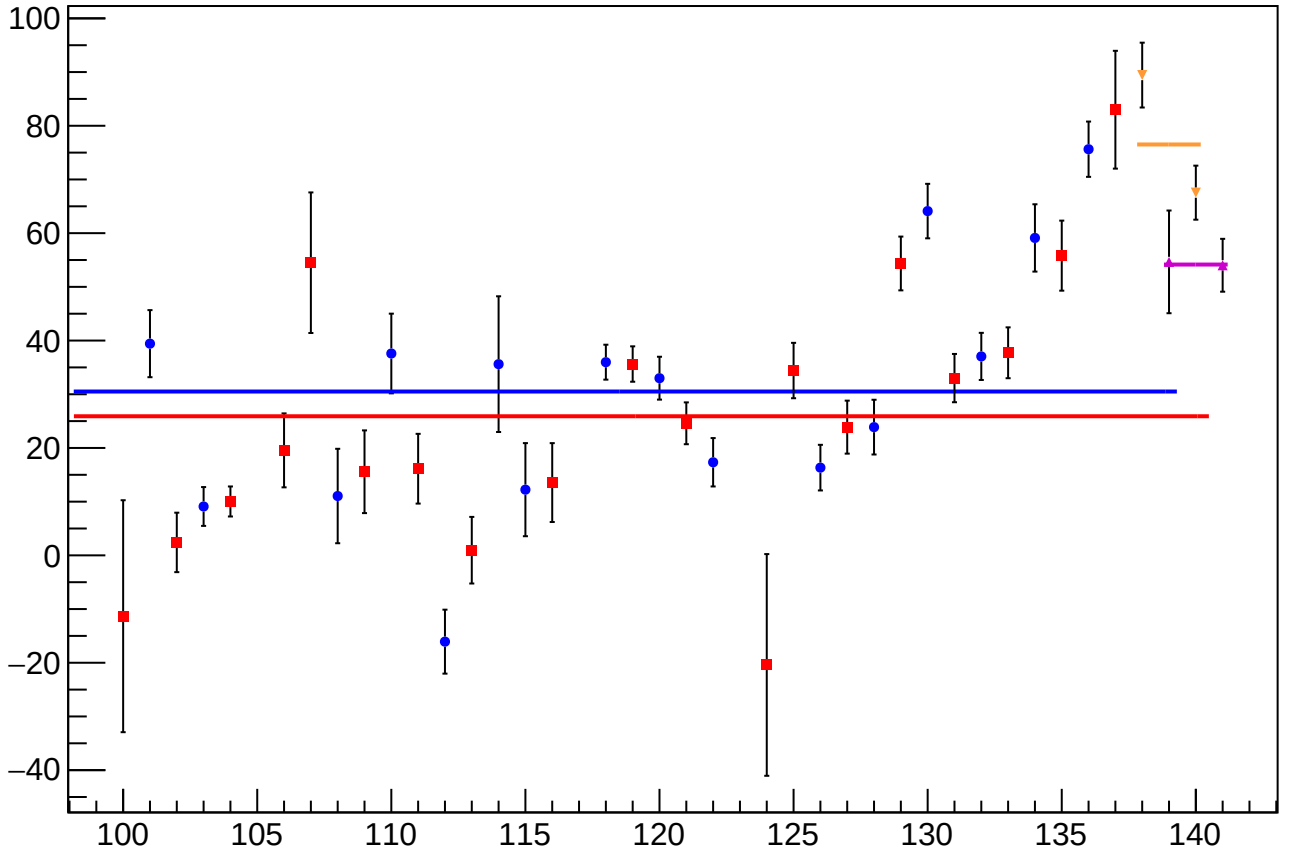
Left: 278.280+/-2.786 χ^2/NDF: 160.8/3

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 171.279+/-1.097 χ^2/NDF:15232.2/17

Out: 157.751+/-1.062 χ^2/NDF:16918.7/20

All: 164.296+/-0.763 χ^2/NDF: 32229.3/38



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 76.516+/-3.865 χ^2/NDF:7.8/1

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 54.154+/-4.376 χ^2/NDF:0.0/1

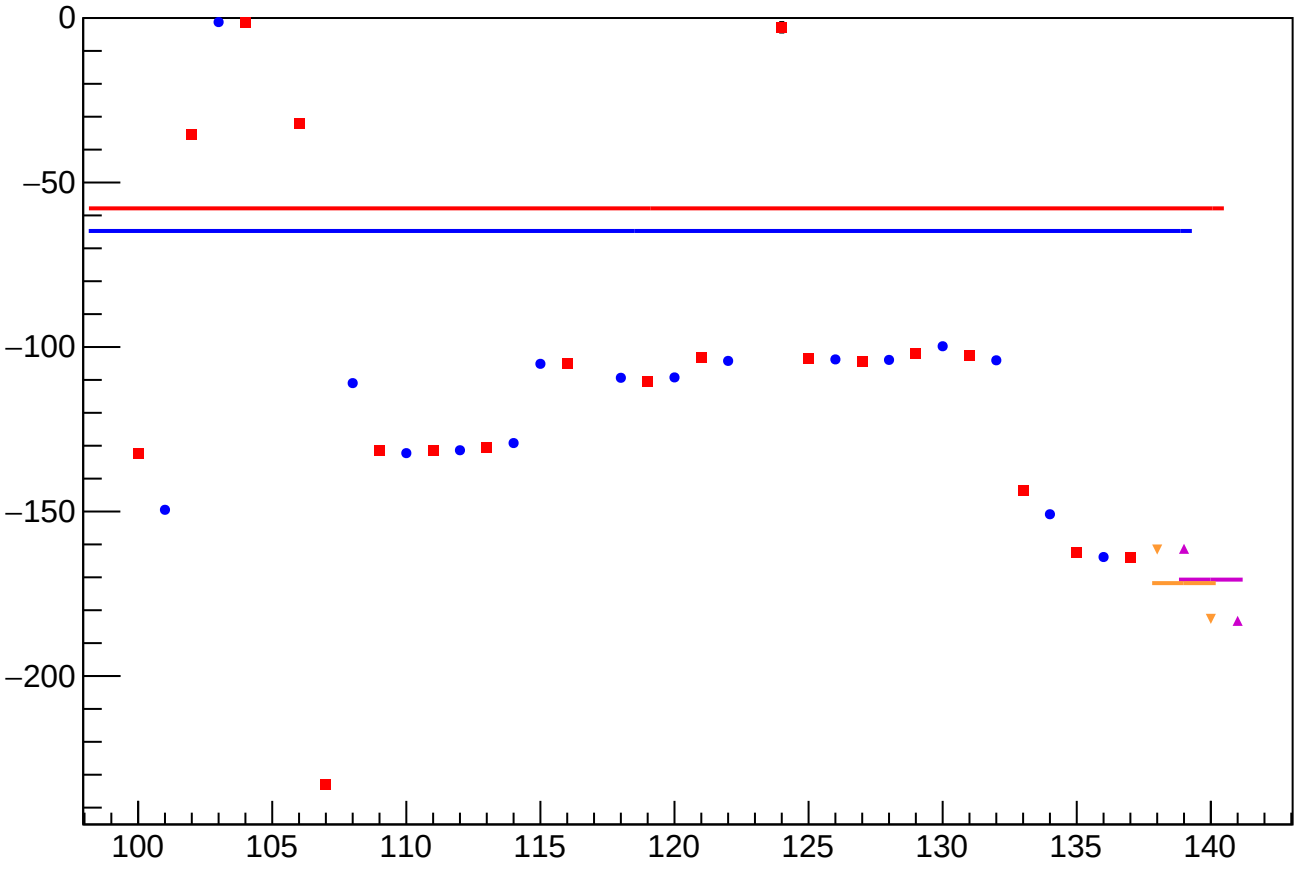
Left: 66.716+/-2.897 χ^2/NDF: 22.4/3

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 32.305+/-1.206 χ^2/NDF:303.9/17

Out: 30.441+/-1.157 χ^2/NDF:351.6/20

All: 31.335+/-0.835 χ^2/NDF: 656.8/38



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -171.765+/-0.161 χ^2/NDF:4283.7/1

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -170.699+/-0.156 χ^2/NDF:4832.6/1

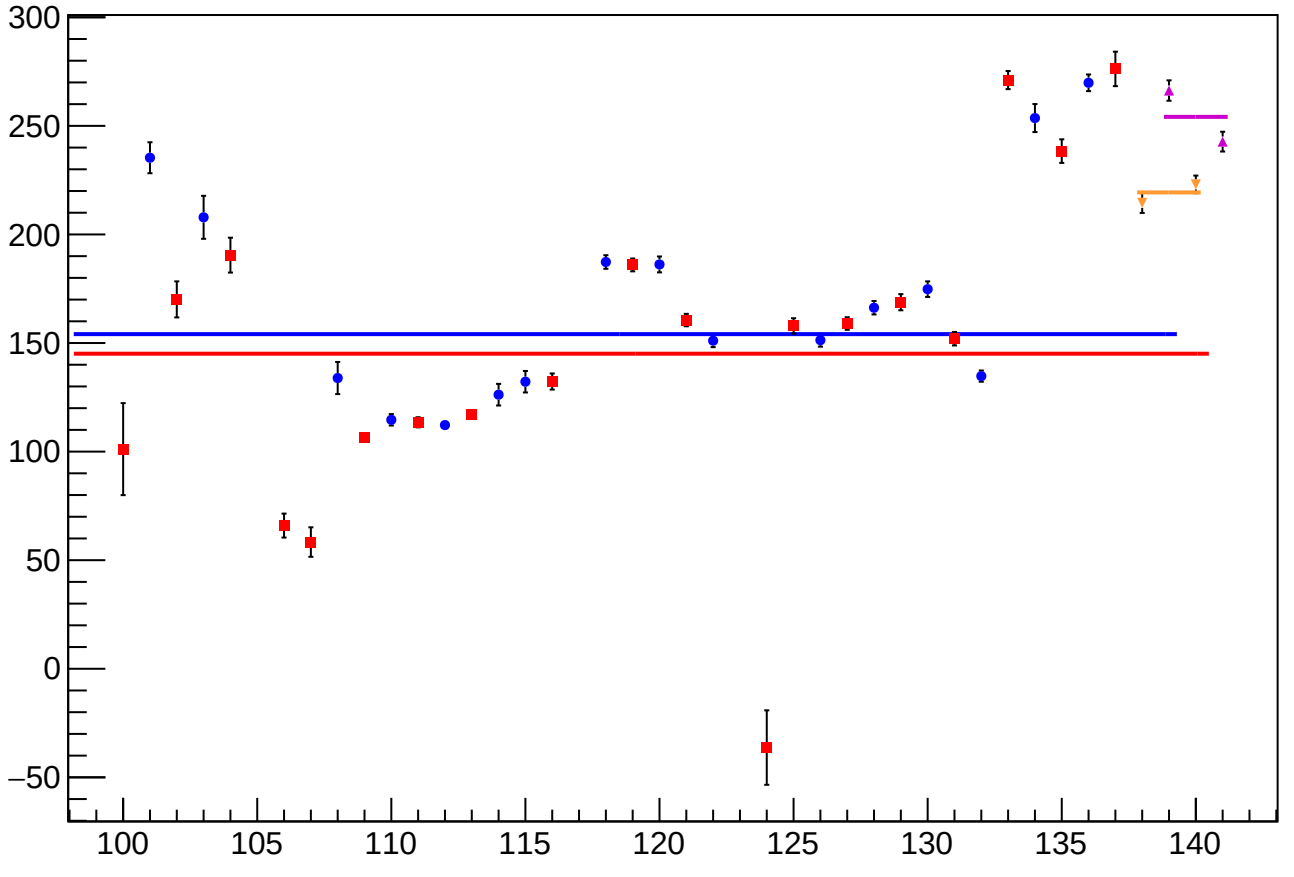
Left: -171.215+/-0.112 χ^2/NDF: 9139.0/3

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -79.928+/-0.059 χ^2/NDF:1445141.0/17

Out: -72.644+/-0.058 χ^2/NDF:1316220.8/20

All: -76.220+/-0.041 χ^2/NDF: 2769110.6/38



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 219.352+/-3.050 χ^2/NDF:1.9/1

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 254.144+/-3.270 χ^2/NDF:12.9/1

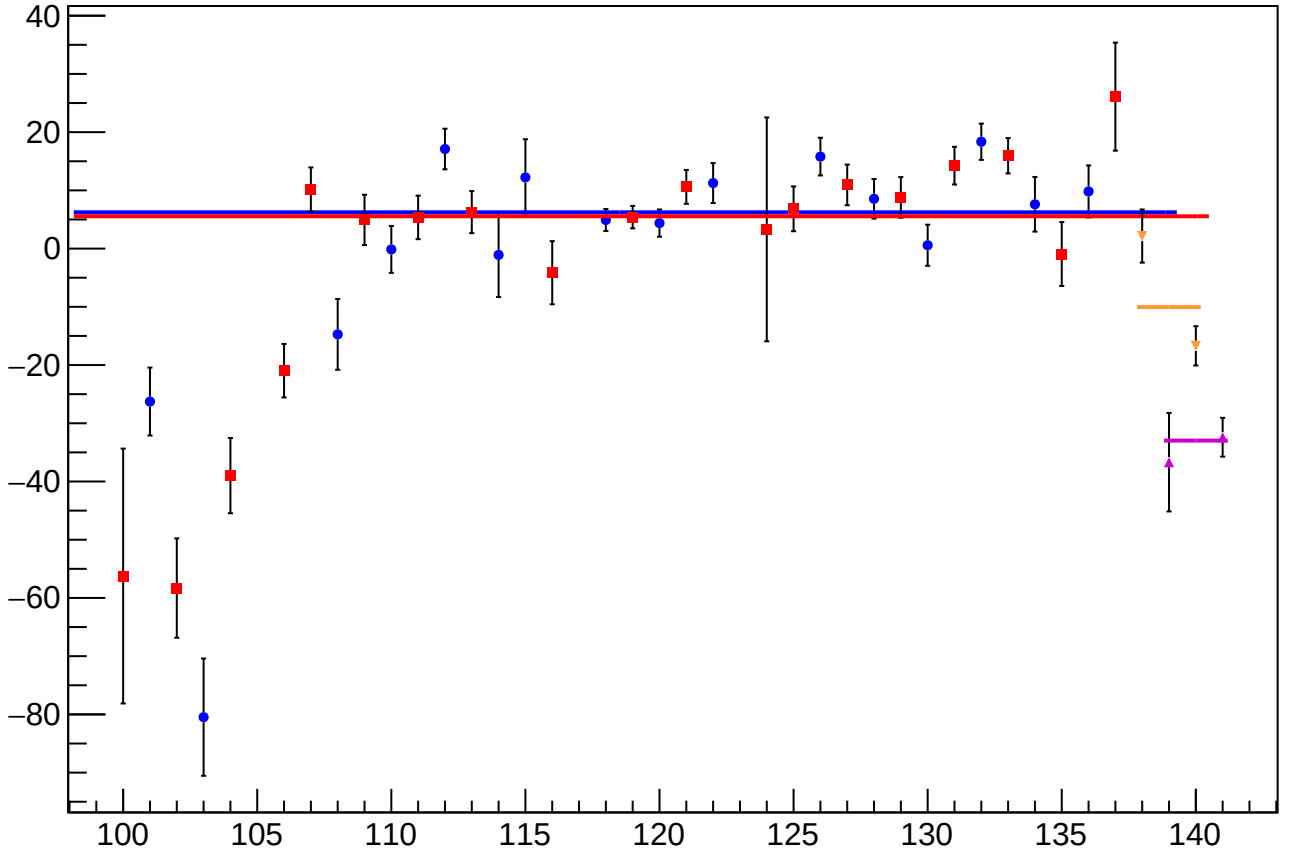
Left: 235.542+/-2.231 χ^2/NDF: 75.4/3

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 160.698+/-0.840 χ^2/NDF:3168.5/17

Out: 150.157+/-0.797 χ^2/NDF:3512.6/20

All: 155.153+/-0.578 χ^2/NDF: 6763.9/38



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -10.043+/-2.713 χ^2/NDF:11.0/1

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: -32.974+/-3.099 χ^2/NDF:0.2/1

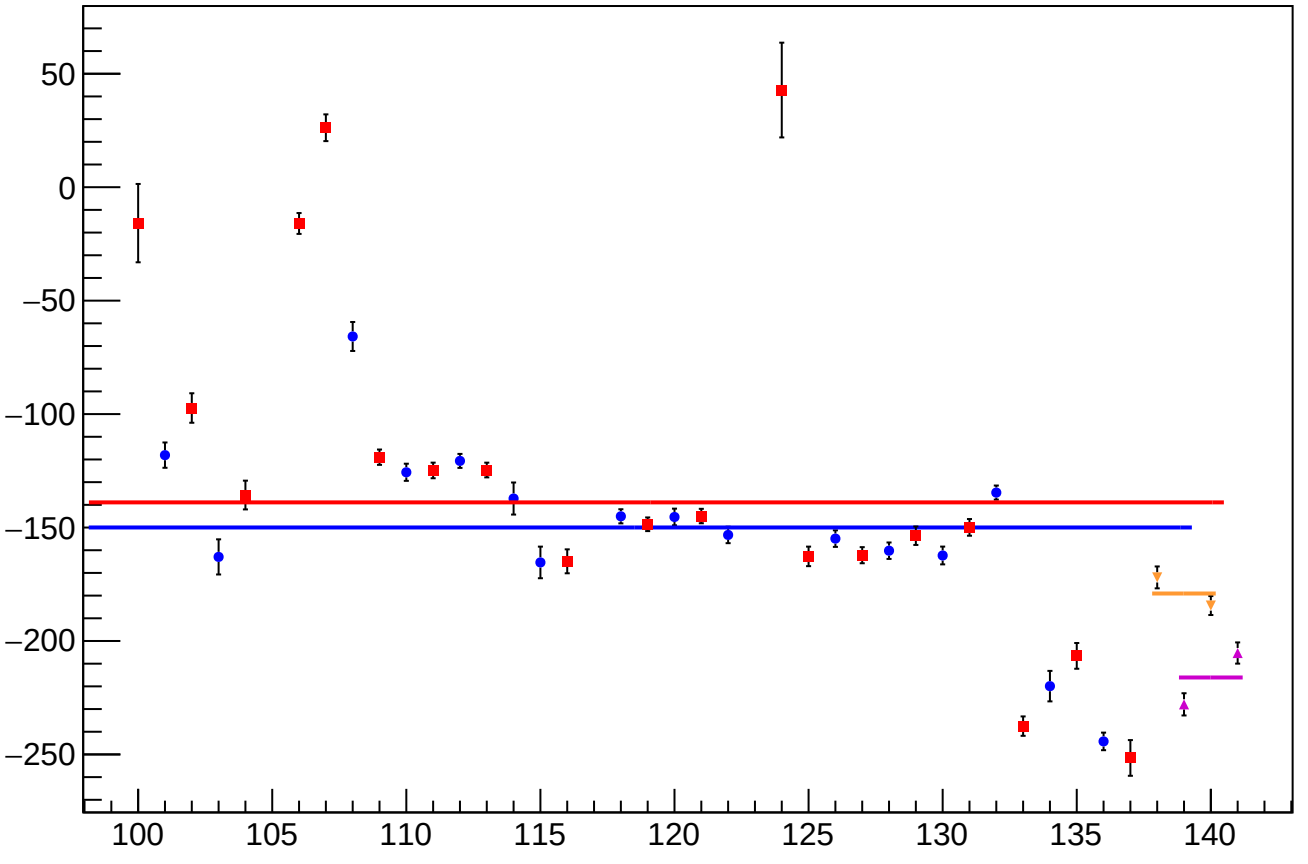
Left: -19.994+/-2.041 χ^2/NDF: 42.3/3

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 3.241+/-0.855 χ^2/NDF:310.2/17

Out: 4.035+/-0.845 χ^2/NDF:222.0/20

All: 3.643+/-0.601 χ^2/NDF: 532.6/38



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -179.076+/-3.156 χ^2/NDF:3.8/1

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -216.088+/-3.380 χ^2/NDF:11.2/1

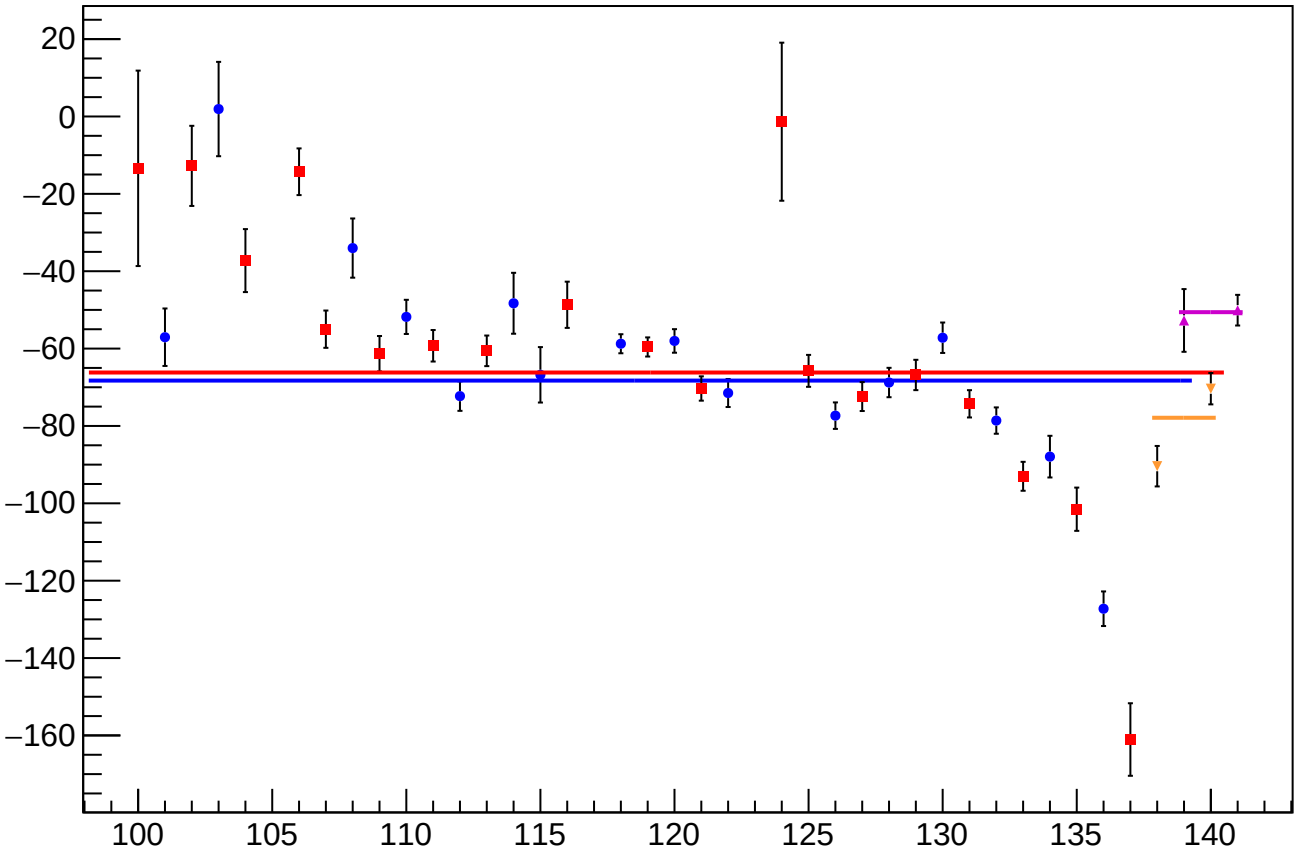
Left: -196.316+/-2.307 χ^2/NDF: 79.0/3

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -155.544+/-0.981 χ^2/NDF:1461.0/17

Out: -142.532+/-0.948 χ^2/NDF:2902.0/20

All: -148.810+/-0.682 χ^2/NDF: 4454.0/38



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -77.883+/-3.205 χ^2/NDF:9.2/1

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -50.585+/-3.560 χ^2/NDF:0.1/1

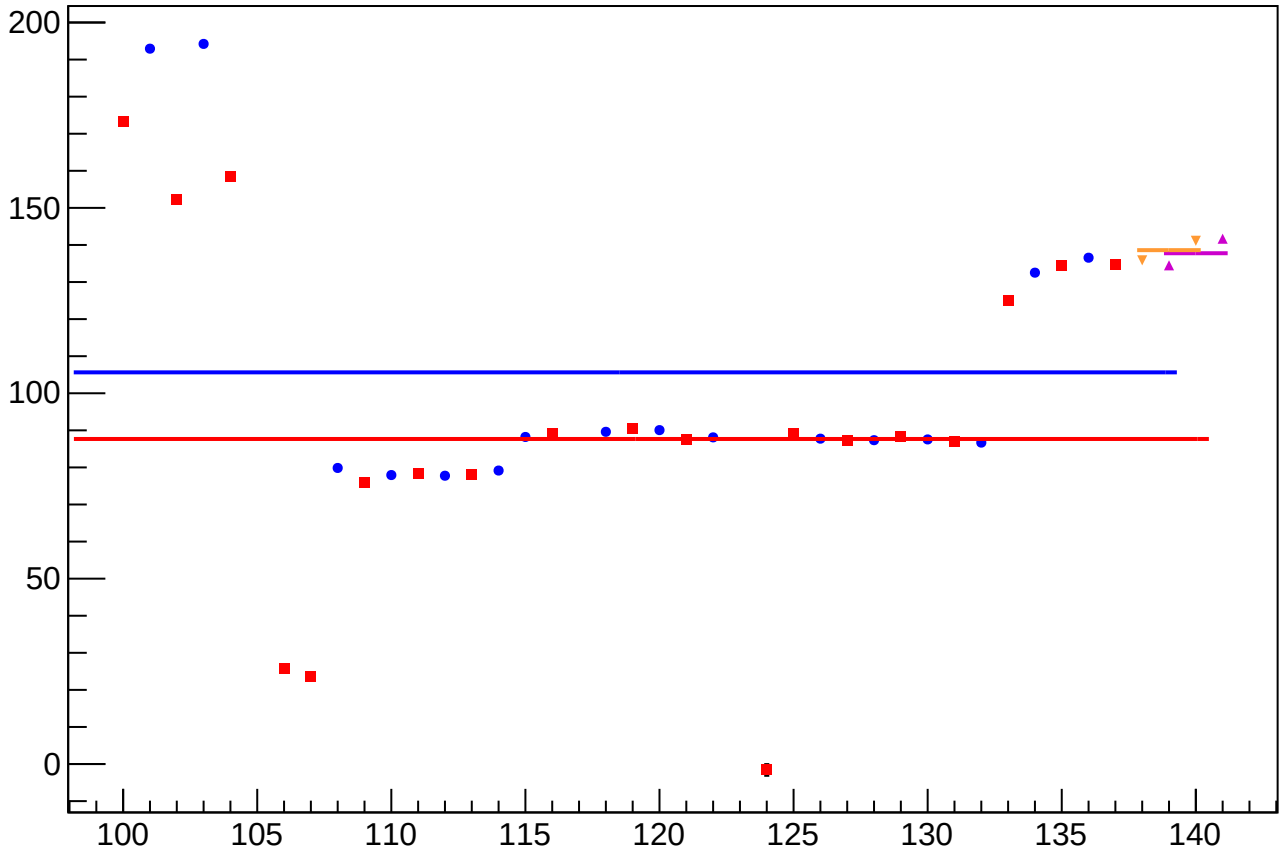
Left: -65.665+/-2.382 χ^2/NDF: 41.7/3

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -66.898+/-0.992 χ^2/NDF:338.2/17

Out: -67.269+/-0.975 χ^2/NDF:379.6/20

All: -67.087+/-0.696 χ^2/NDF: 717.9/38



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 138.598+/-0.134 χ^2/NDF:385.6/1

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 137.769+/-0.129 χ^2/NDF:766.7/1

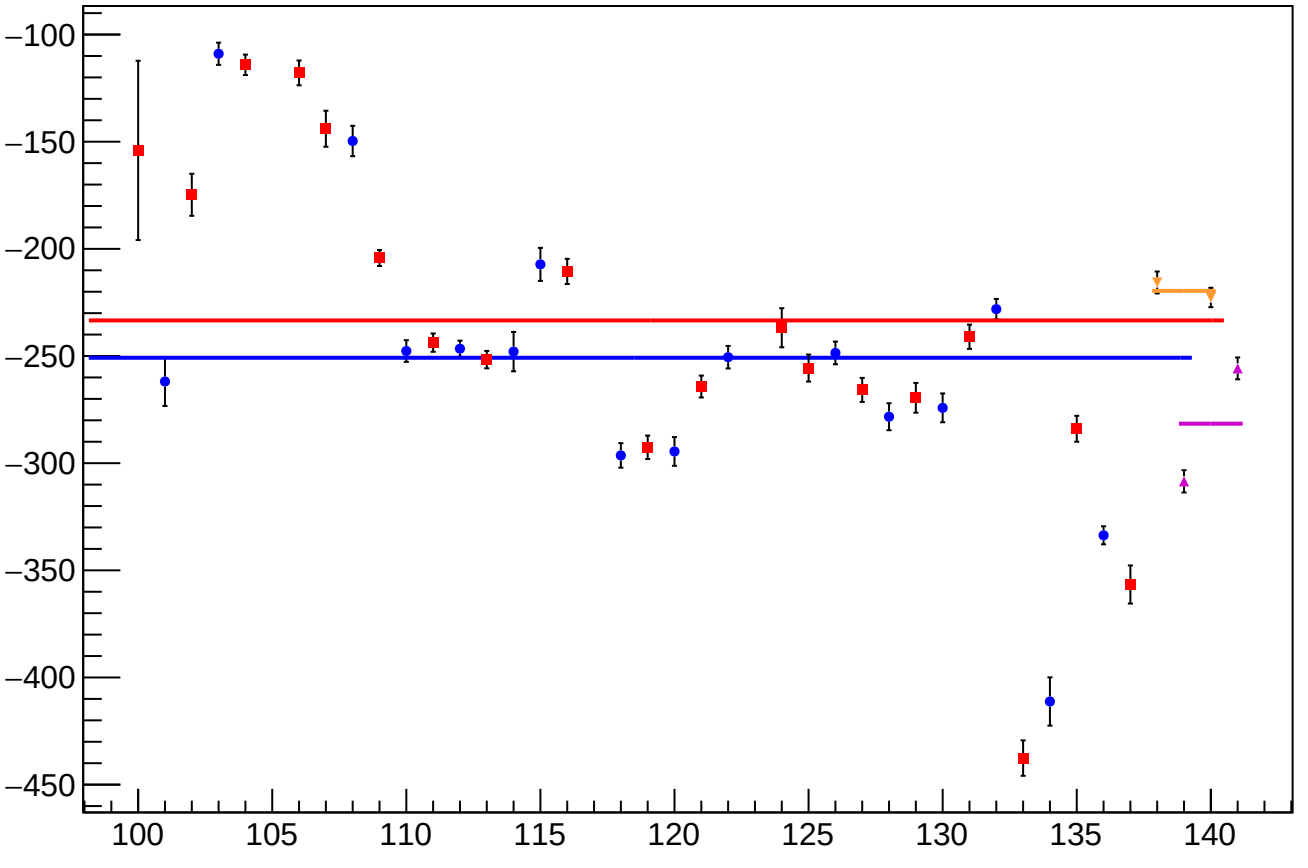
Left: 138.167+/-0.093 χ^2/NDF: 1172.1/3

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 113.074+/-0.062 χ^2/NDF:287987.6/17

Out: 97.501+/-0.059 χ^2/NDF:491045.1/20

All: 104.883+/-0.043 χ^2/NDF: 812110.6/38



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -219.612+/-3.386 χ^2/NDF:1.1/1

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -281.572+/-3.641 χ^2/NDF:52.4/1

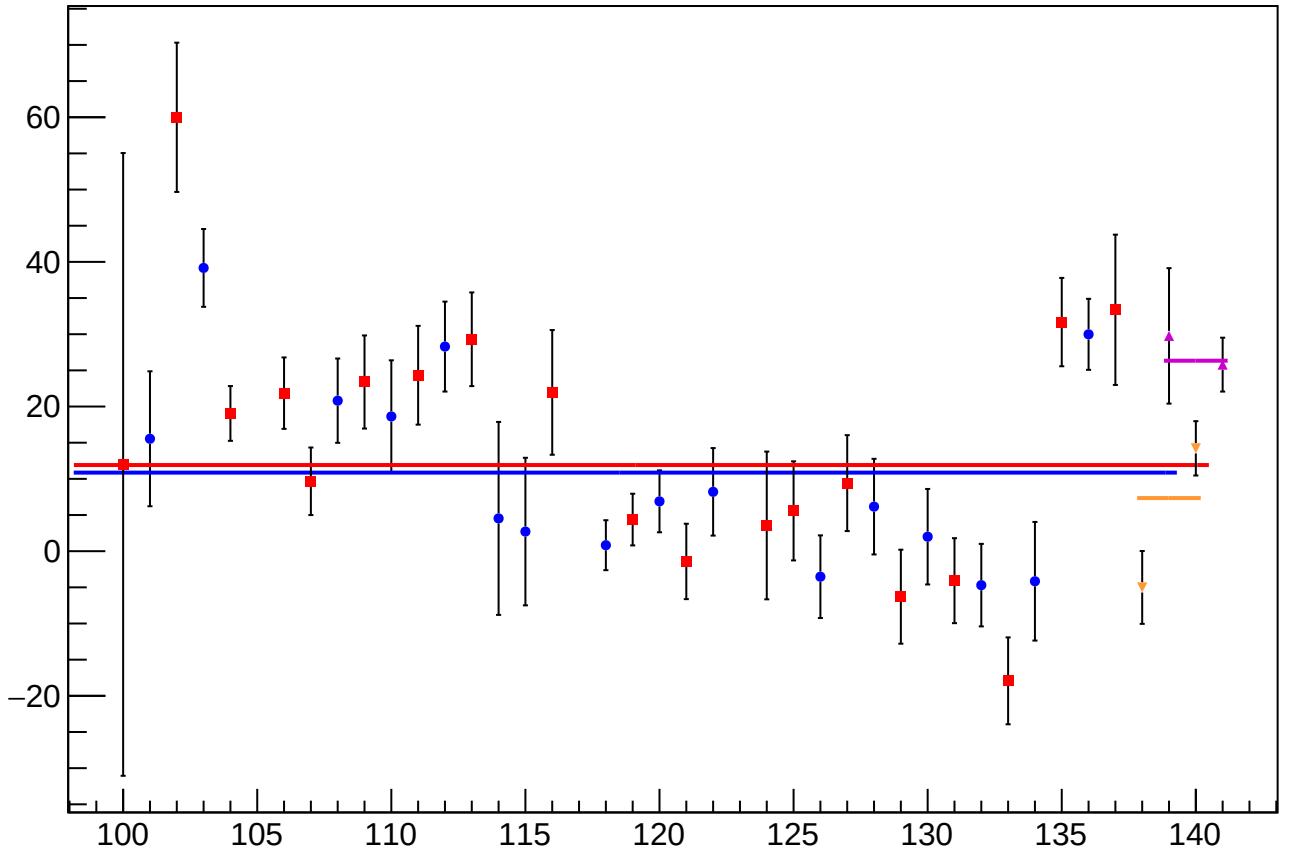
Left: -248.341+/-2.479 χ^2/NDF: 208.7/3

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -254.963+/-1.338 χ^2/NDF:1849.8/17

Out: -231.545+/-1.241 χ^2/NDF:2393.9/20

All: -242.373+/-0.910 χ^2/NDF: 4408.5/38



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 7.345+/-3.011 χ^2/NDF:9.4/1

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 26.337+/-3.461 χ^2/NDF:0.2/1

Left: 15.527+/-2.272 χ^2/NDF: 26.7/3

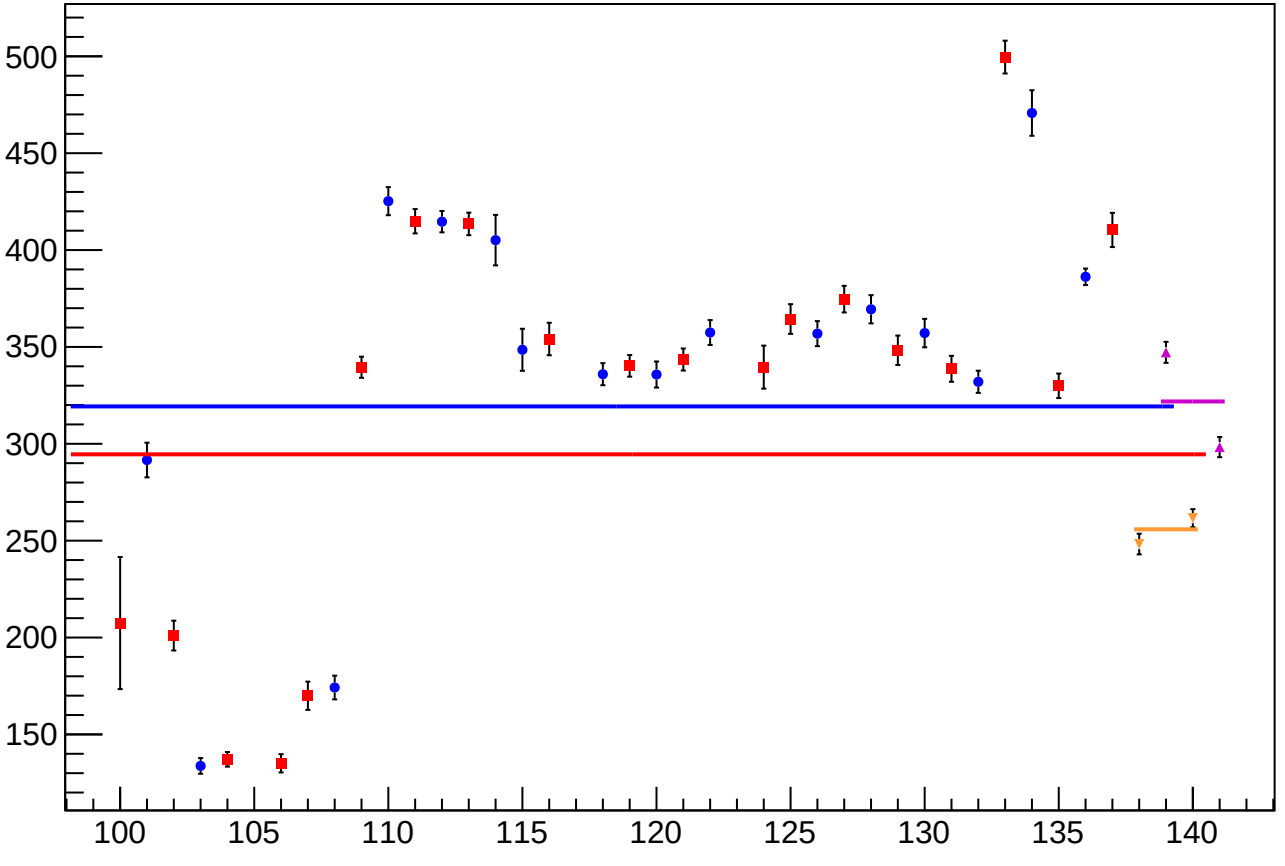
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 13.230+/-1.353 χ^2/NDF:101.7/17

Out: 11.131+/-1.245 χ^2/NDF:123.2/20

All: 12.093+/-0.916 χ^2/NDF: 226.2/38

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 255.857+/-3.503 χ^2/NDF:3.6/1

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 321.852+/-3.764 χ^2/NDF:42.1/1

Left: 286.486+/-2.565 χ^2/NDF: 210.4/3

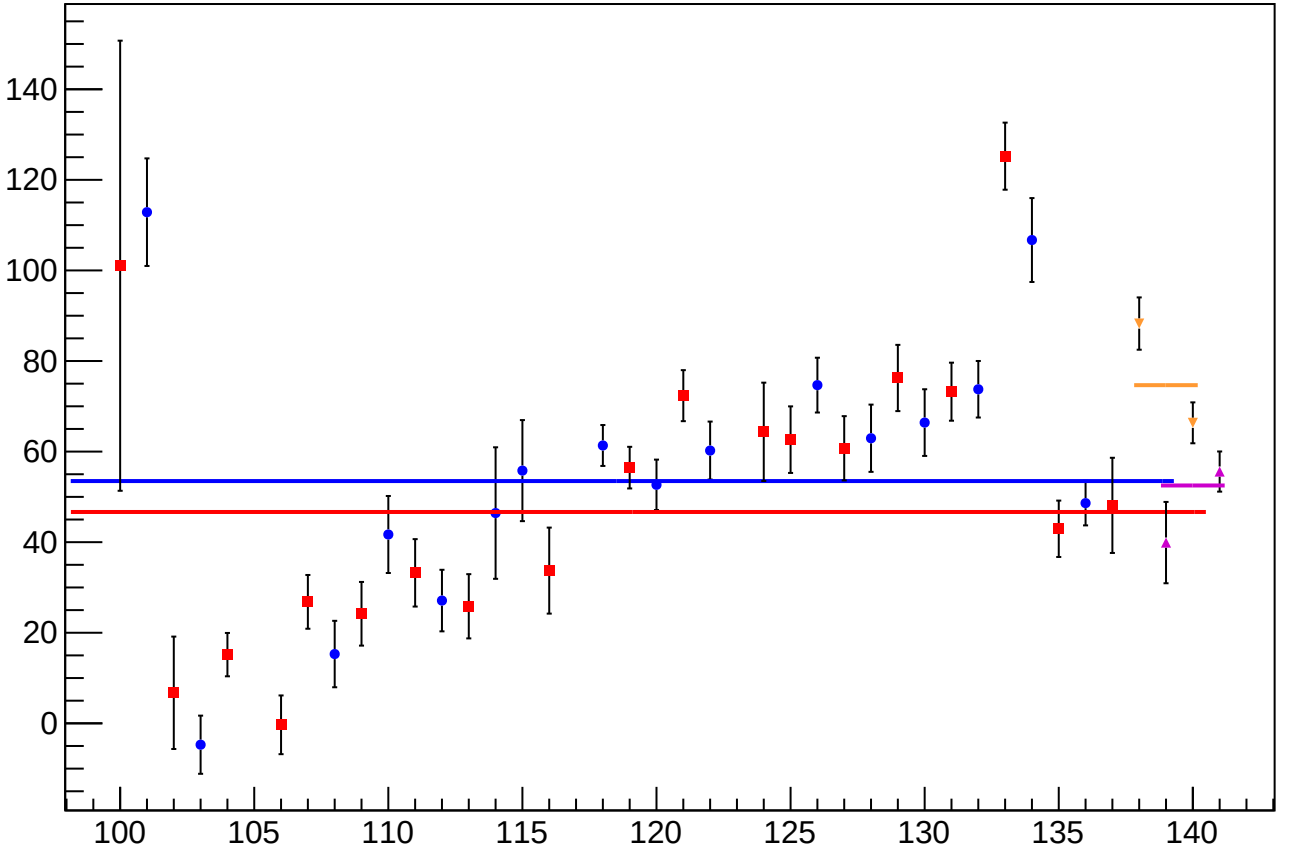
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 319.679+/-1.462 χ^2/NDF:3835.4/17

Out: 288.695+/-1.364 χ^2/NDF:5610.3/20

All: 303.123+/-0.997 χ^2/NDF: 9685.9/38

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 74.668+/-3.557 χ^2/NDF:8.9/1

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 52.518+/-3.975 χ^2/NDF:2.5/1

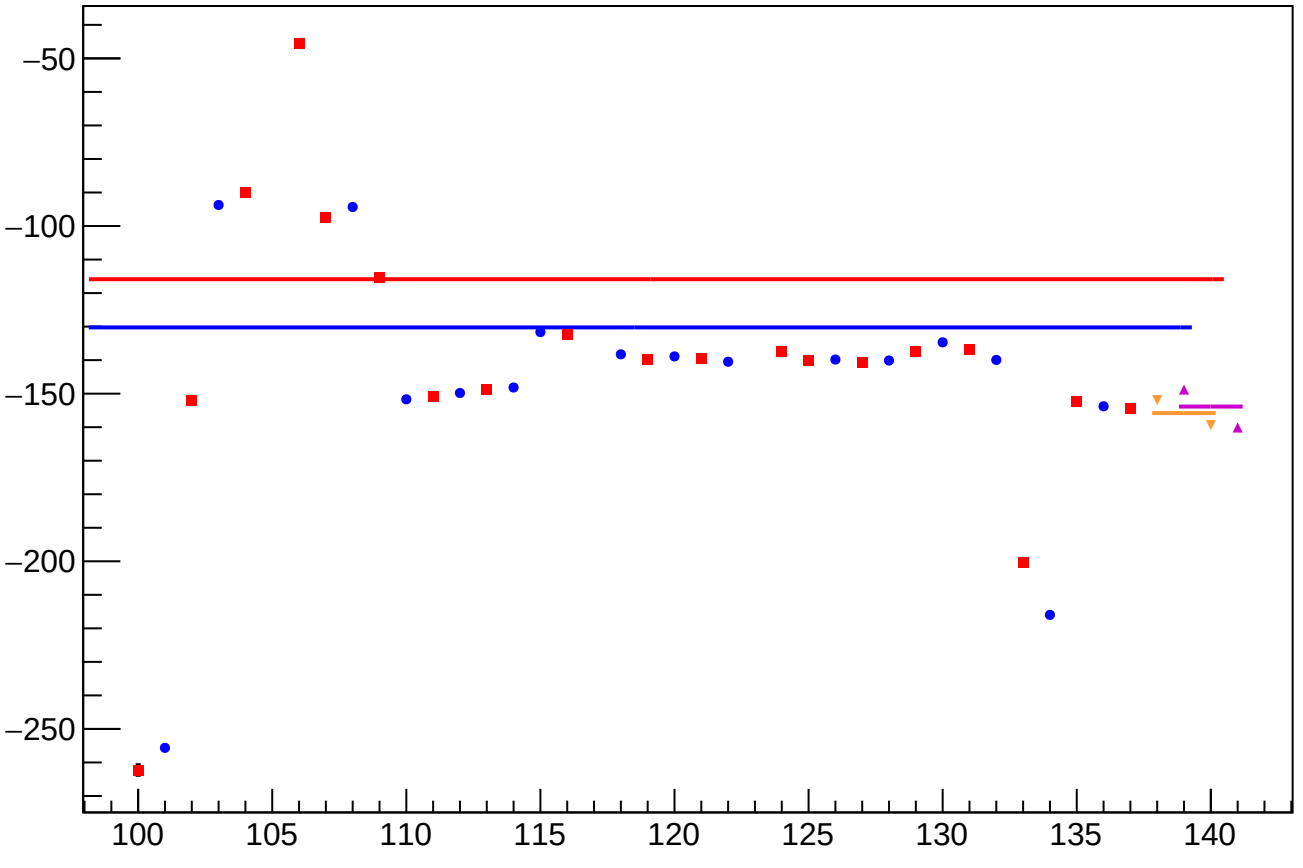
Left: 64.819+/-2.651 χ^2/NDF: 28.6/3

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 53.343+/-1.562 χ^2/NDF:219.7/17

Out: 51.346+/-1.454 χ^2/NDF:386.2/20

All: 52.273+/-1.064 χ^2/NDF: 606.8/38



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -155.784+/-0.149 χ^2/NDF:624.7/1

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -153.848+/-0.144 χ^2/NDF:1535.2/1

Left: -154.781+/-0.103 χ^2/NDF: 2247.4/3

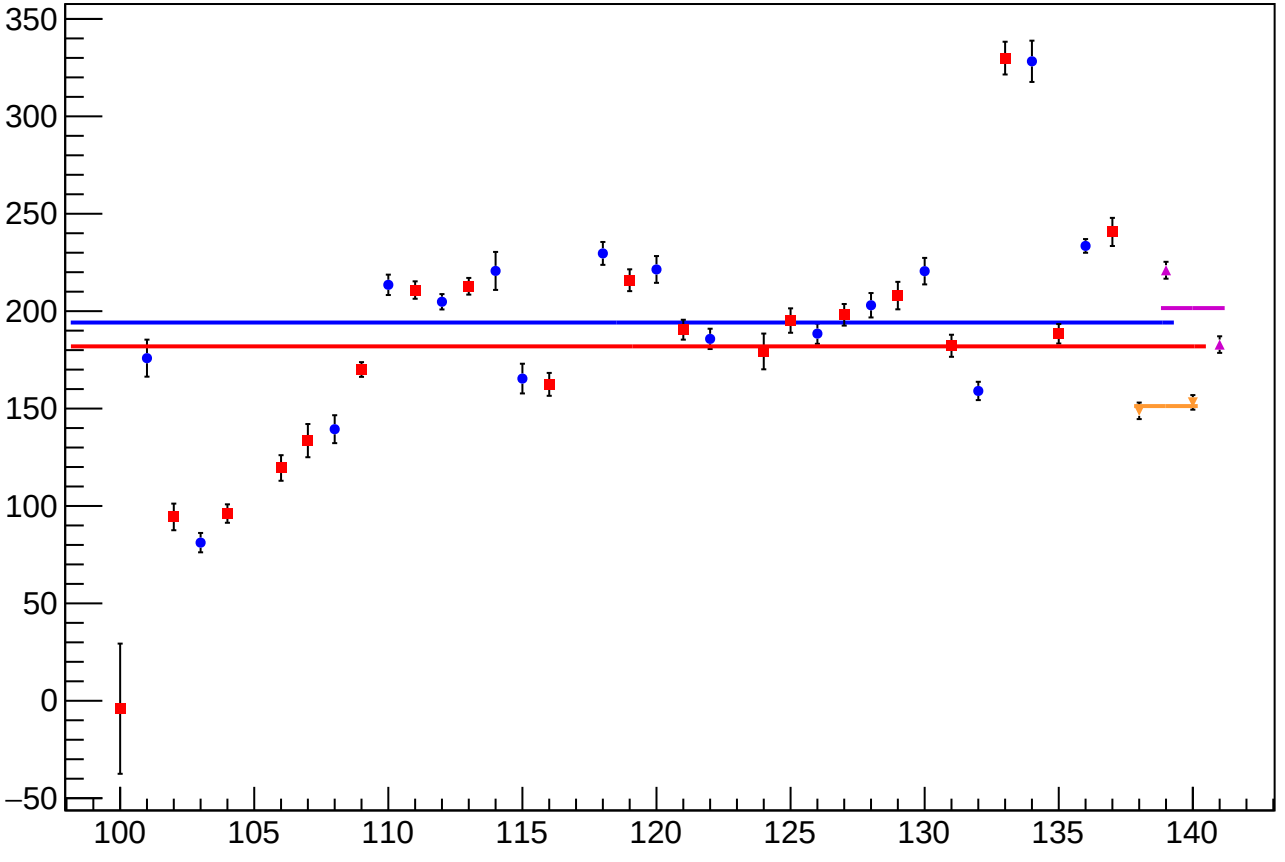
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -137.005+/-0.077 χ^2/NDF:195009.4/17

Out: -125.792+/-0.074 χ^2/NDF:260455.4/20

All: -131.204+/-0.053 χ^2/NDF: 466457.7/38

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 151.278+/-2.808 χ^2/NDF:0.6/1

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 201.574+/-3.037 χ^2/NDF:39.5/1

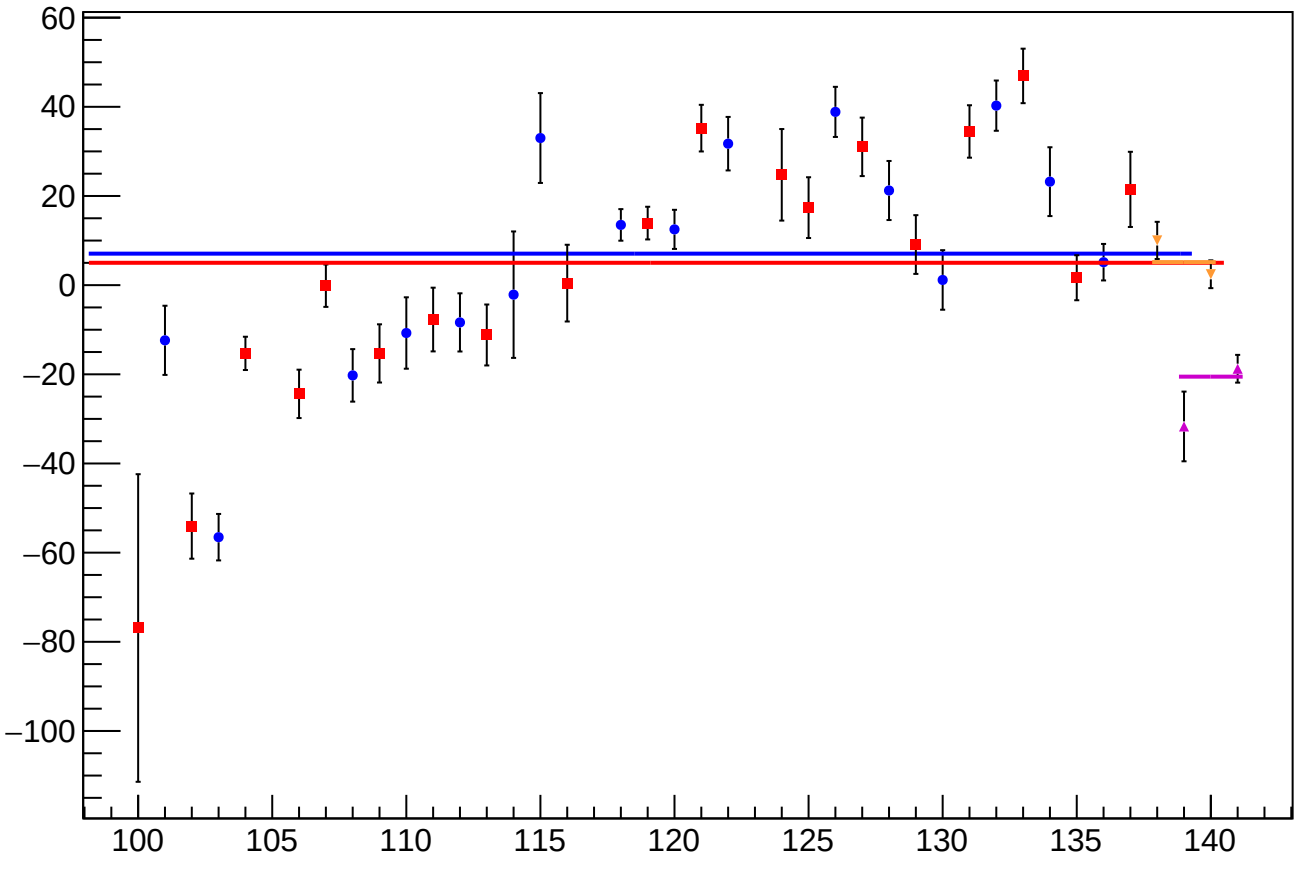
Left: 174.462+/-2.062 χ^2/NDF: 187.9/3

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 195.473+/-1.276 χ^2/NDF:1079.5/17

Out: 176.369+/-1.196 χ^2/NDF:1302.9/20

All: 185.300+/-0.873 χ^2/NDF: 2501.8/38



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 5.167+/-2.496 χ^2/NDF:2.1/1

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -20.524+/-2.892 χ^2/NDF:2.4/1

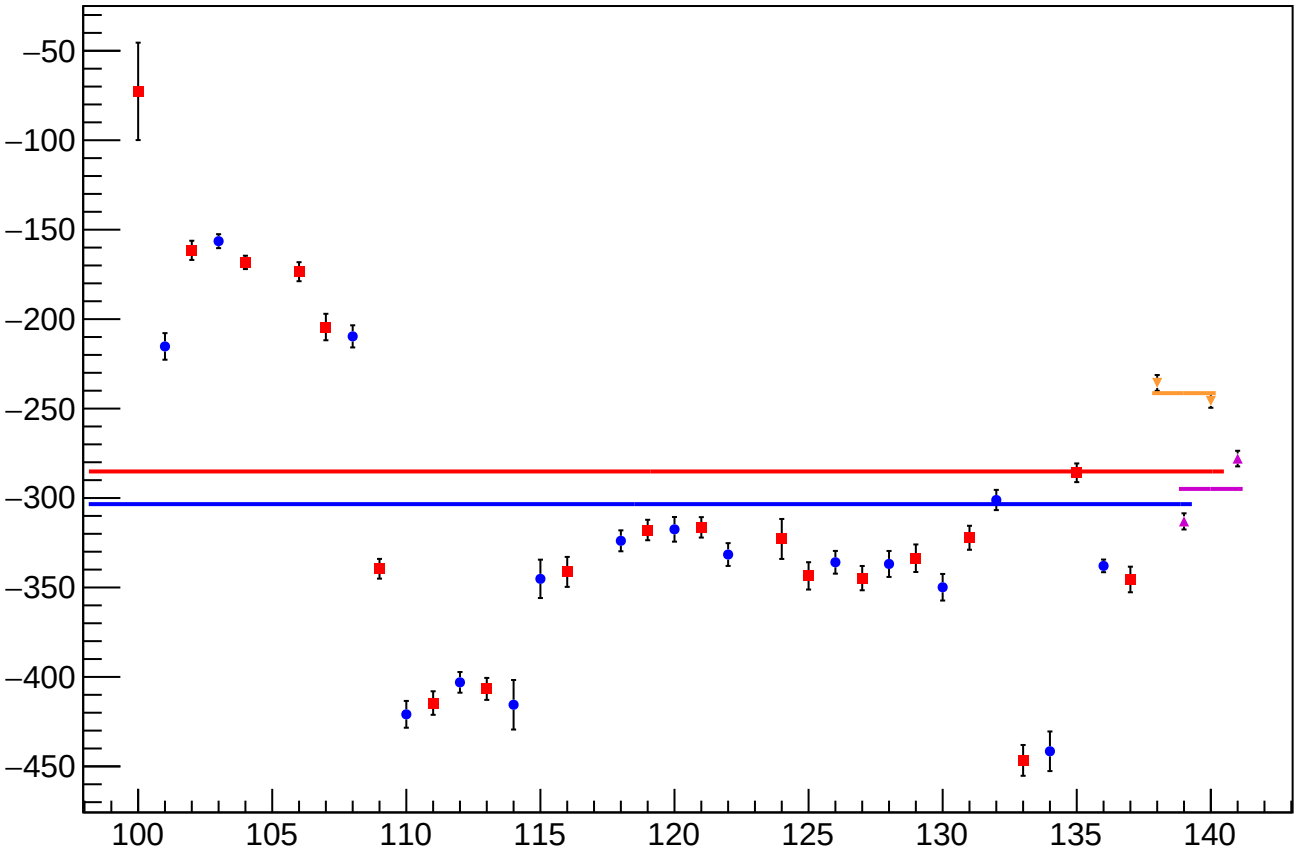
Left: -5.804+/-1.890 χ^2/NDF: 49.7/3

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 1.567+/-1.291 χ^2/NDF:367.8/17

Out: 5.050+/-1.191 χ^2/NDF:290.7/20

All: 3.449+/-0.875 χ^2/NDF: 662.4/38



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -241.366+/-2.906 χ^2/NDF:2.9/1

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -294.903+/-3.139 χ^2/NDF:31.2/1

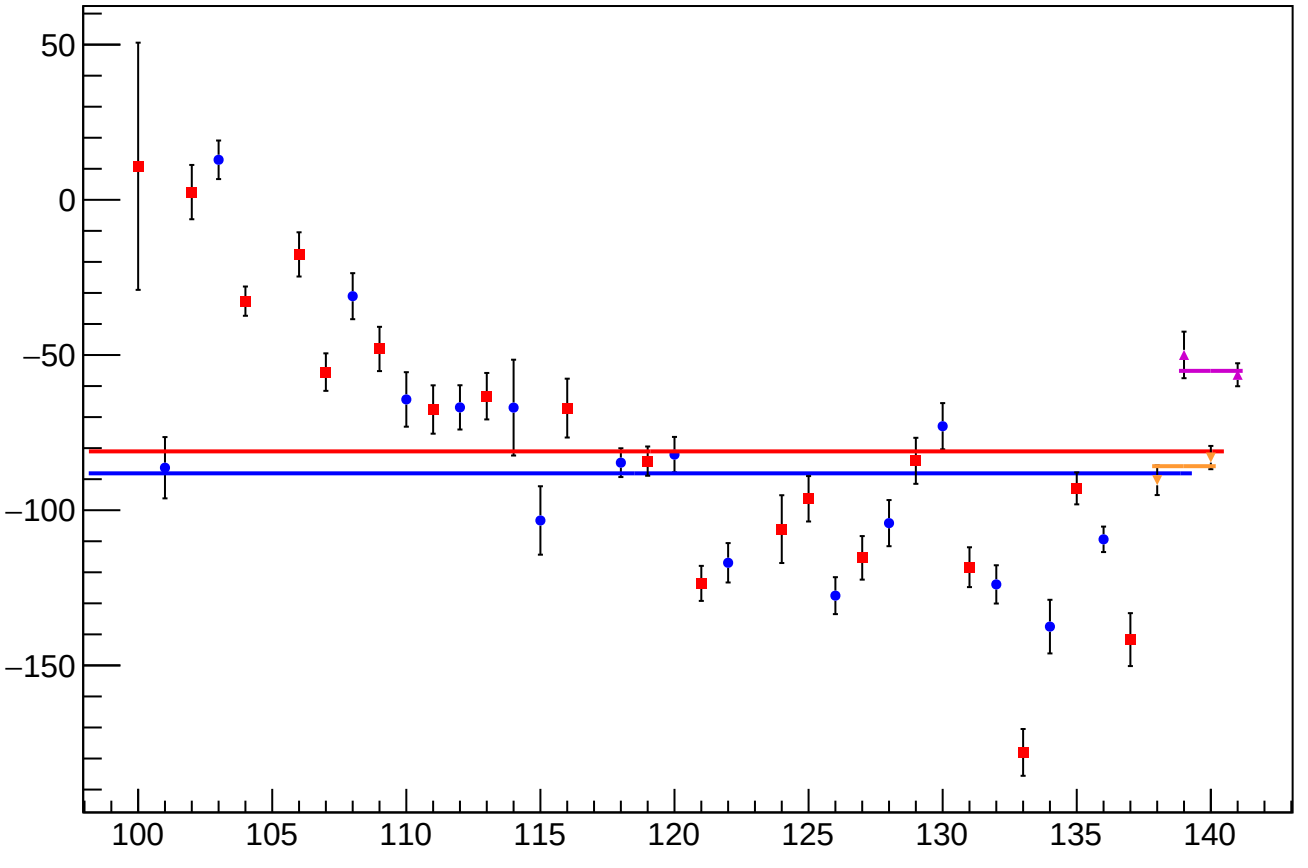
Left: -266.071+/-2.133 χ^2/NDF: 190.8/3

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -301.775+/-1.375 χ^2/NDF:2822.7/17

Out: -276.411+/-1.298 χ^2/NDF:3939.5/20

All: -288.361+/-0.944 χ^2/NDF: 6942.0/38



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -85.813+/-2.949 χ^2/NDF:1.4/1

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -55.104+/-3.320 χ^2/NDF:0.6/1

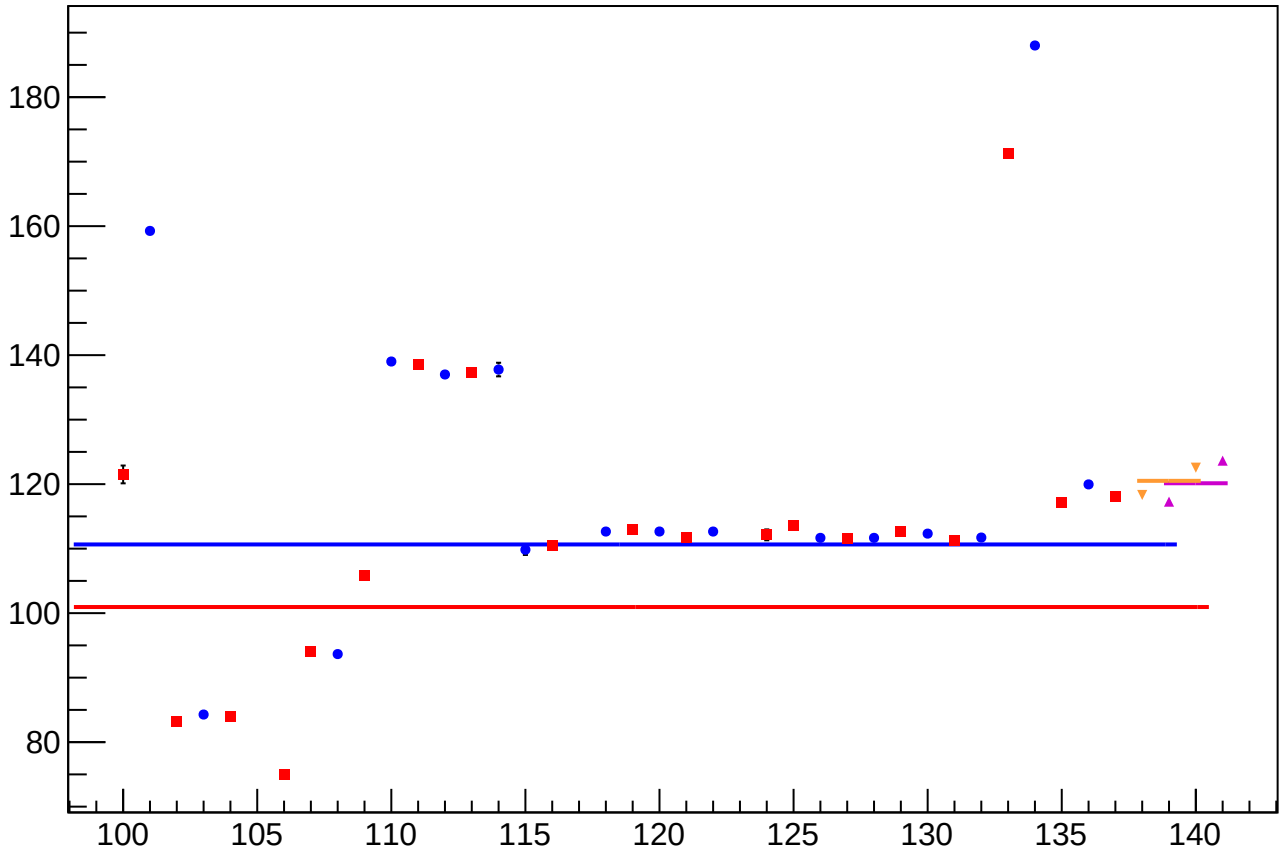
Left: -72.271+/-2.205 χ^2/NDF: 49.8/3

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -81.548+/-1.481 χ^2/NDF:591.7/17

Out: -82.098+/-1.385 χ^2/NDF:681.0/20

All: -81.841+/-1.012 χ^2/NDF: 1272.8/38



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 120.513+/-0.124 χ^2/NDF:292.9/1

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 120.138+/-0.120 χ^2/NDF:695.1/1

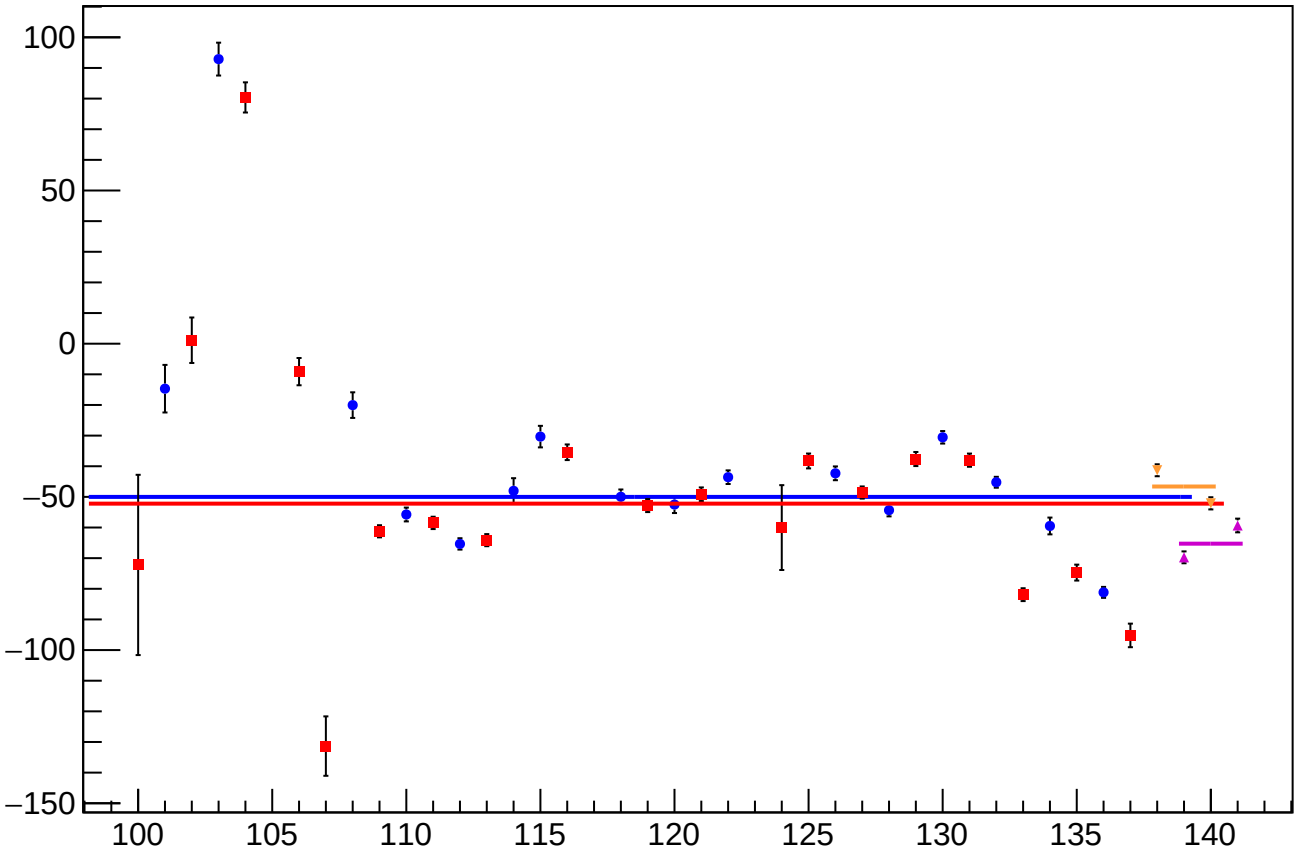
Left: 120.320+/-0.086 χ^2/NDF: 992.7/3

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 113.864+/-0.070 χ^2/NDF:88355.9/17

Out: 106.828+/-0.068 χ^2/NDF:79838.6/20

All: 110.241+/-0.049 χ^2/NDF: 173429.6/38



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -46.615+/-1.394 χ^2/NDF:15.0/1

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -65.274+/-1.467 χ^2/NDF:12.3/1

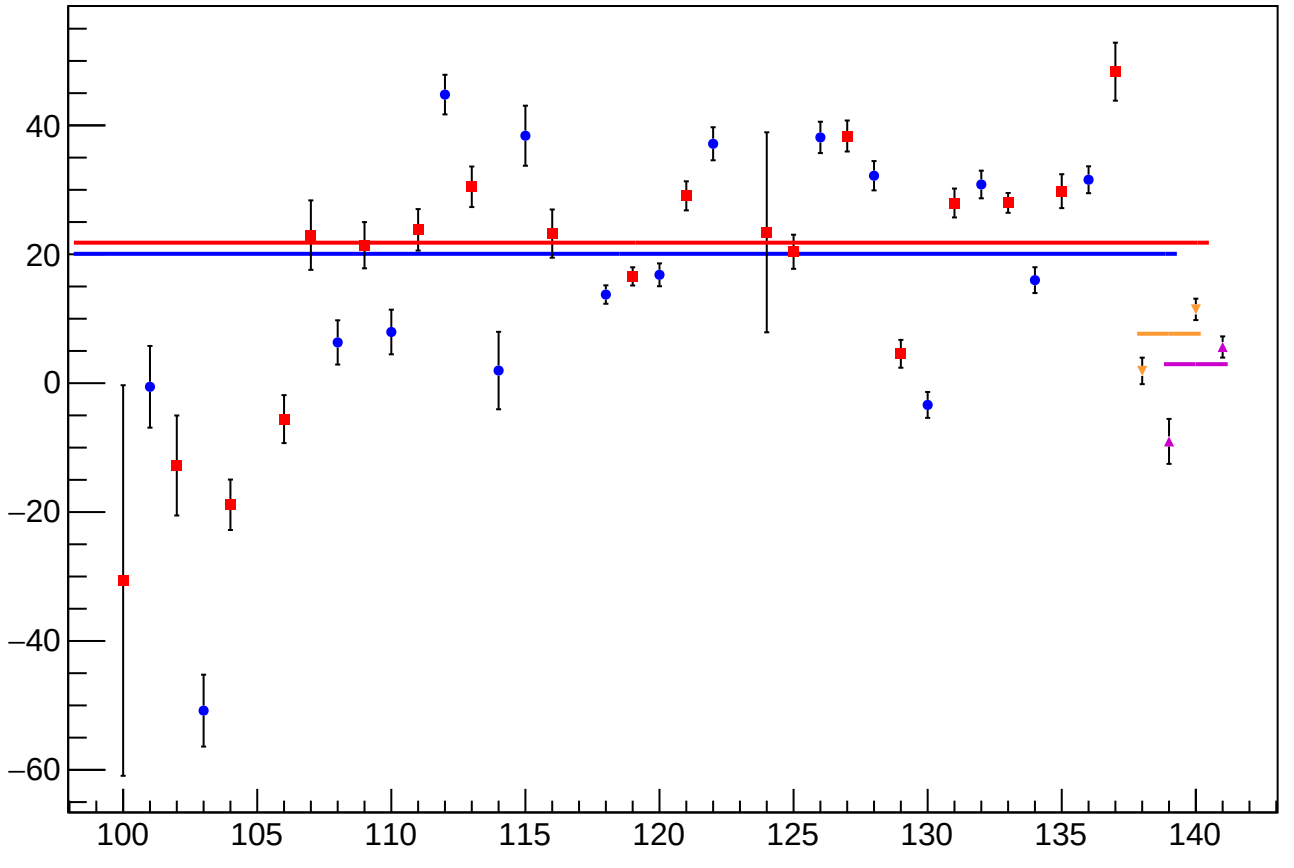
Left: -55.473+/-1.011 χ^2/NDF: 112.3/3

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -52.258+/-0.563 χ^2/NDF:1432.0/17

Out: -51.321+/-0.555 χ^2/NDF:1598.8/20

All: -51.783+/-0.395 χ^2/NDF: 3032.2/38



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 7.672+/-1.292 χ^2/NDF:13.1/1

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 2.948+/-1.488 χ^2/NDF:14.4/1

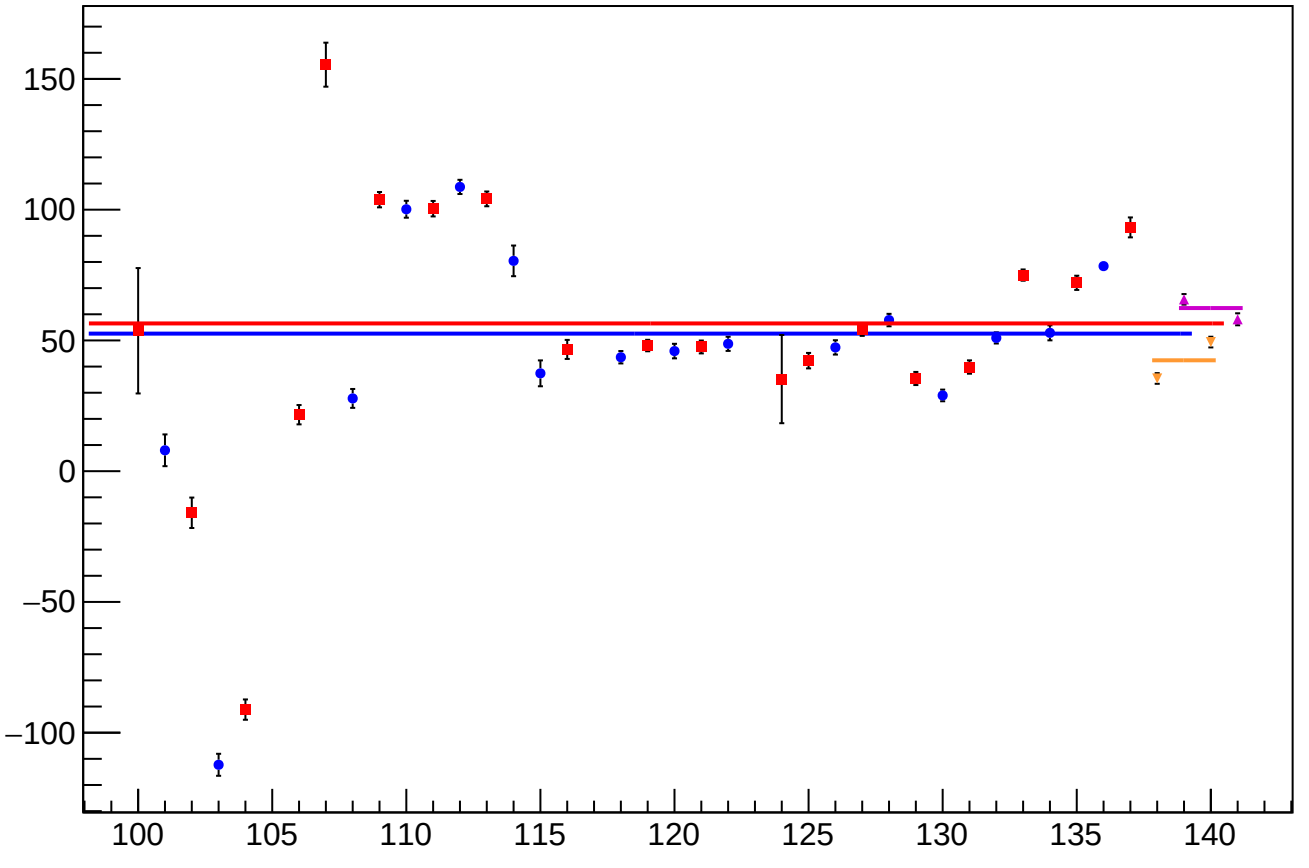
Left: 5.641+/-0.976 χ^2/NDF: 33.2/3

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 17.594+/-0.566 χ^2/NDF:763.9/17

Out: 19.142+/-0.560 χ^2/NDF:506.5/20

All: 18.376+/-0.398 χ^2/NDF: 1274.2/38



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 42.400+/-1.445 χ^2/NDF:23.2/1

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 62.378+/-1.519 χ^2/NDF:6.2/1

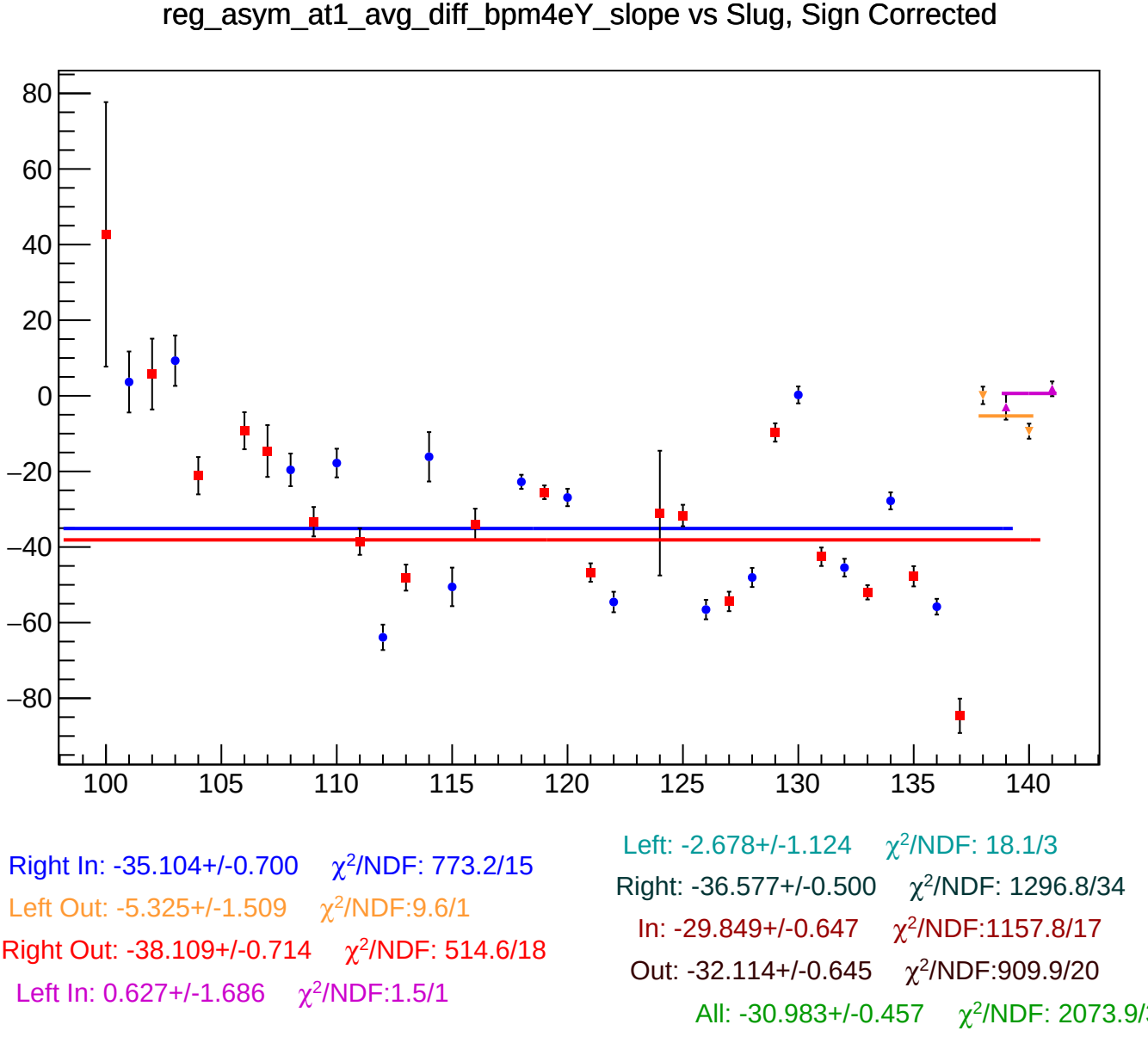
Left: 51.892+/-1.047 χ^2/NDF: 120.2/3

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

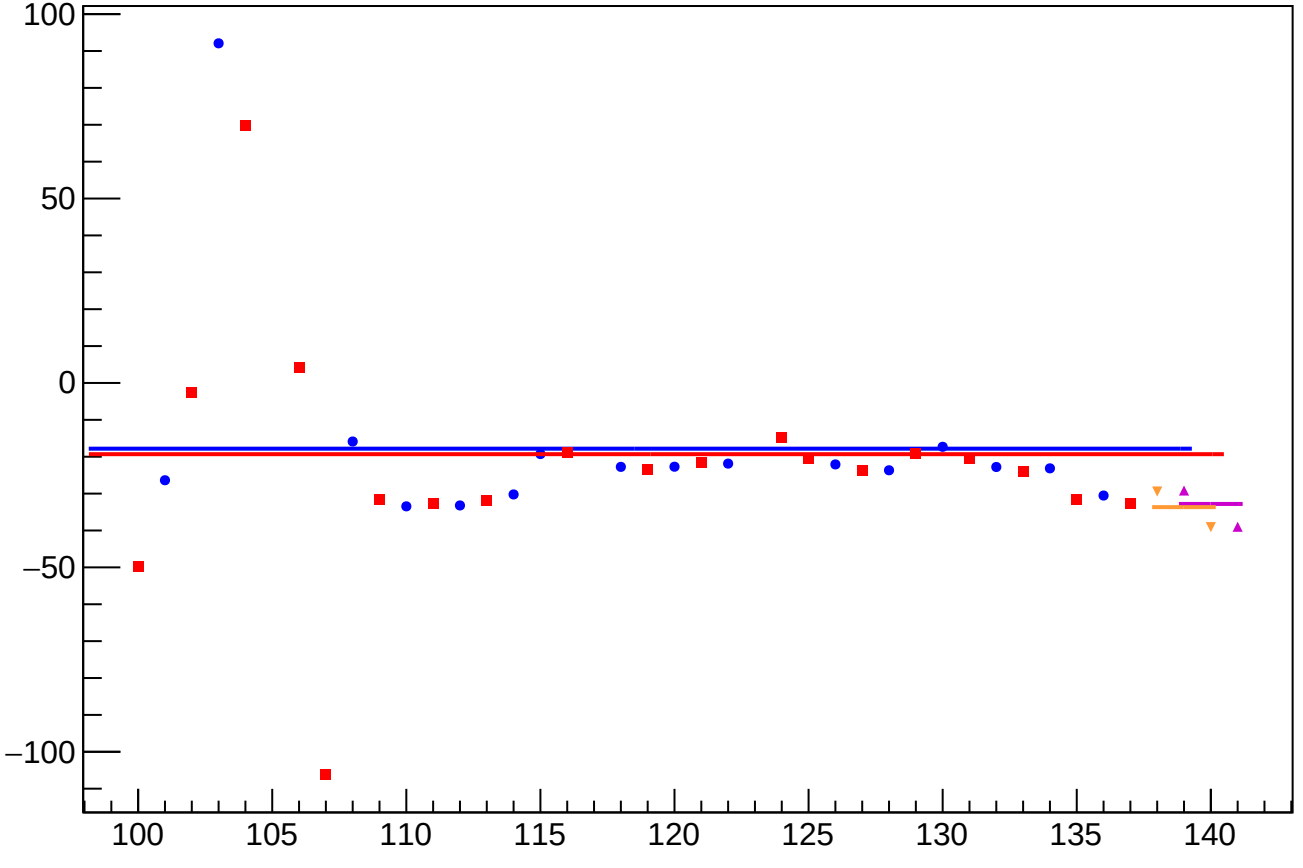
In: 54.302+/-0.633 χ^2/NDF:2699.8/17

Out: 53.786+/-0.634 χ^2/NDF:3065.6/20

All: 54.044+/-0.448 χ^2/NDF: 5765.7/38


reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
105
110
115
120
125
130
135
140
Right In: -35.104+/-0.700 χ²/NDF: 773.2/15
Left Out: -5.325+/-1.509 χ²/NDF:9.6/1
Right Out: -38.109+/-0.714 χ²/NDF: 514.6/18
Left In: 0.627+/-1.686 χ²/NDF:1.5/1
Left: -2.678+/-1.124 χ²/NDF: 18.1/3
Right: -36.577+/-0.500 χ²/NDF: 1296.8/34
In: -29.849+/-0.647 χ²/NDF:1157.8/17
Out: -32.114+/-0.645 χ²/NDF:909.9/20
All: -30.983+/-0.457 χ²/NDF: 2073.9/38

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -33.669+/-0.060 χ^2/NDF:6332.0/1

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -32.803+/-0.057 χ^2/NDF:6893.2/1

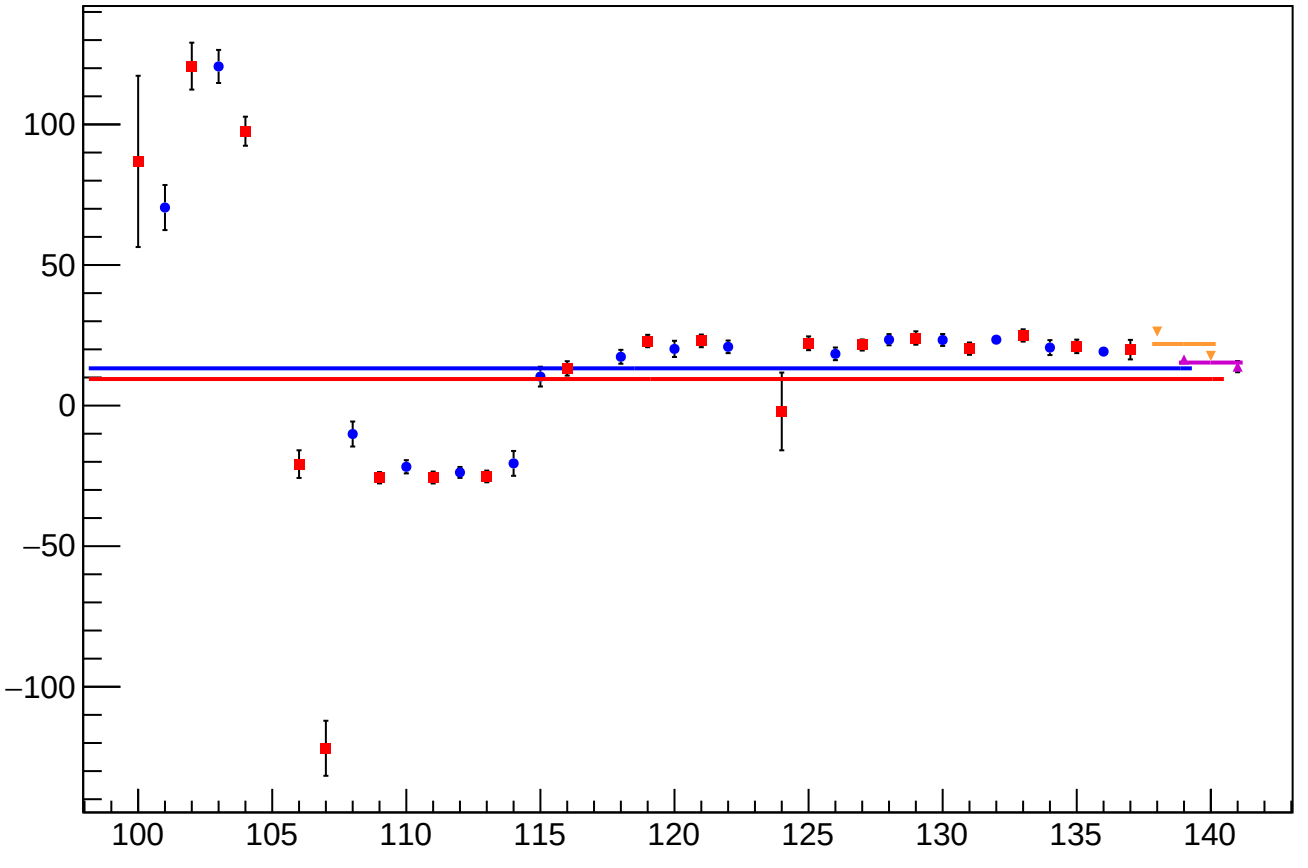
Left: -33.213+/-0.041 χ^2/NDF: 13334.0/3

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -23.277+/-0.034 χ^2/NDF:476780.7/17

Out: -24.612+/-0.037 χ^2/NDF:386793.7/20

All: -23.905+/-0.025 χ^2/NDF: 864279.4/38



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 21.914+/-1.250 χ^2/NDF:12.0/1

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 15.305+/-1.303 χ^2/NDF:0.9/1

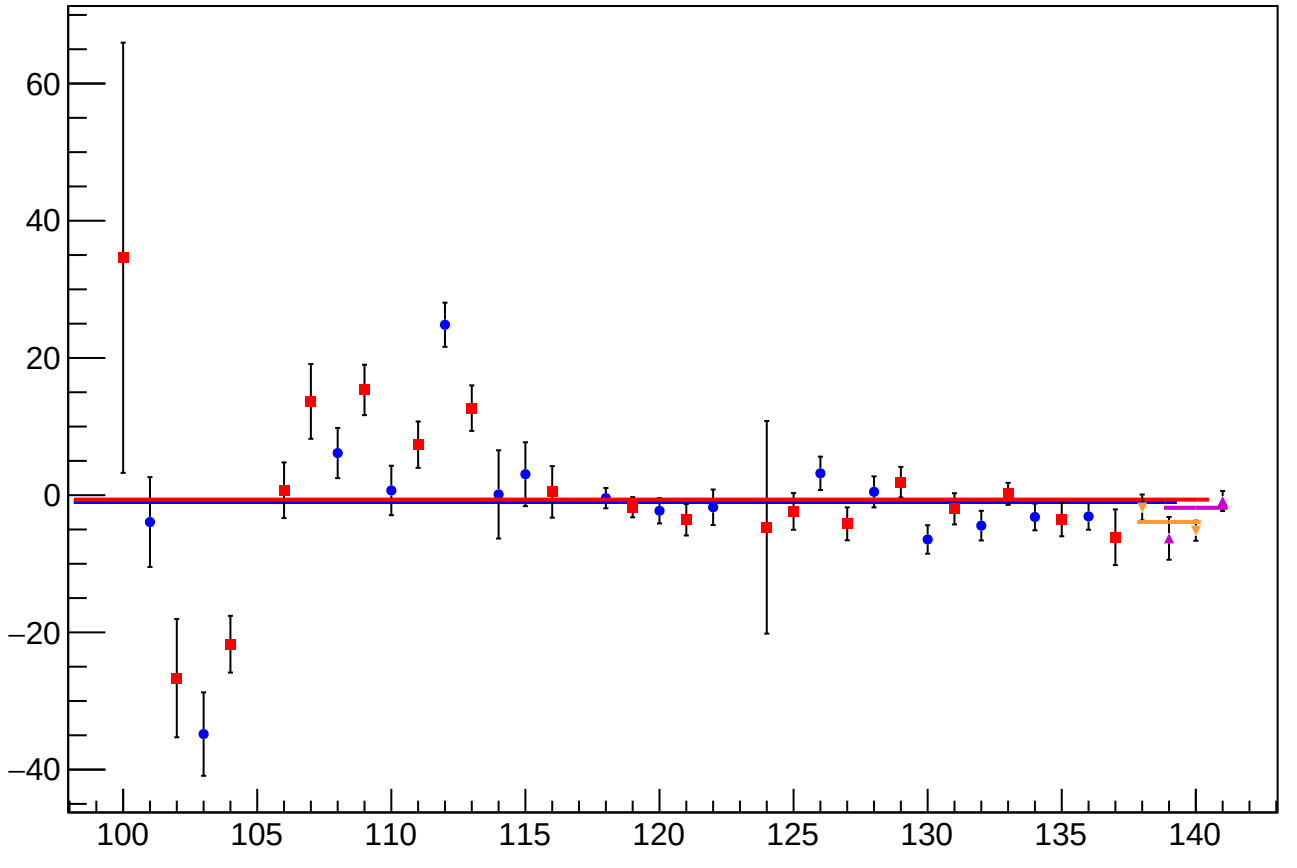
Left: 18.746+/-0.902 χ^2/NDF: 26.3/3

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.624+/-0.556 χ^2/NDF:1185.4/17

Out: 11.879+/-0.552 χ^2/NDF:1928.6/20

All: 12.745+/-0.392 χ^2/NDF: 3119.0/38



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -3.913+/-1.159 χ^2/NDF:2.0/1

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -1.835+/-1.325 χ^2/NDF:2.5/1

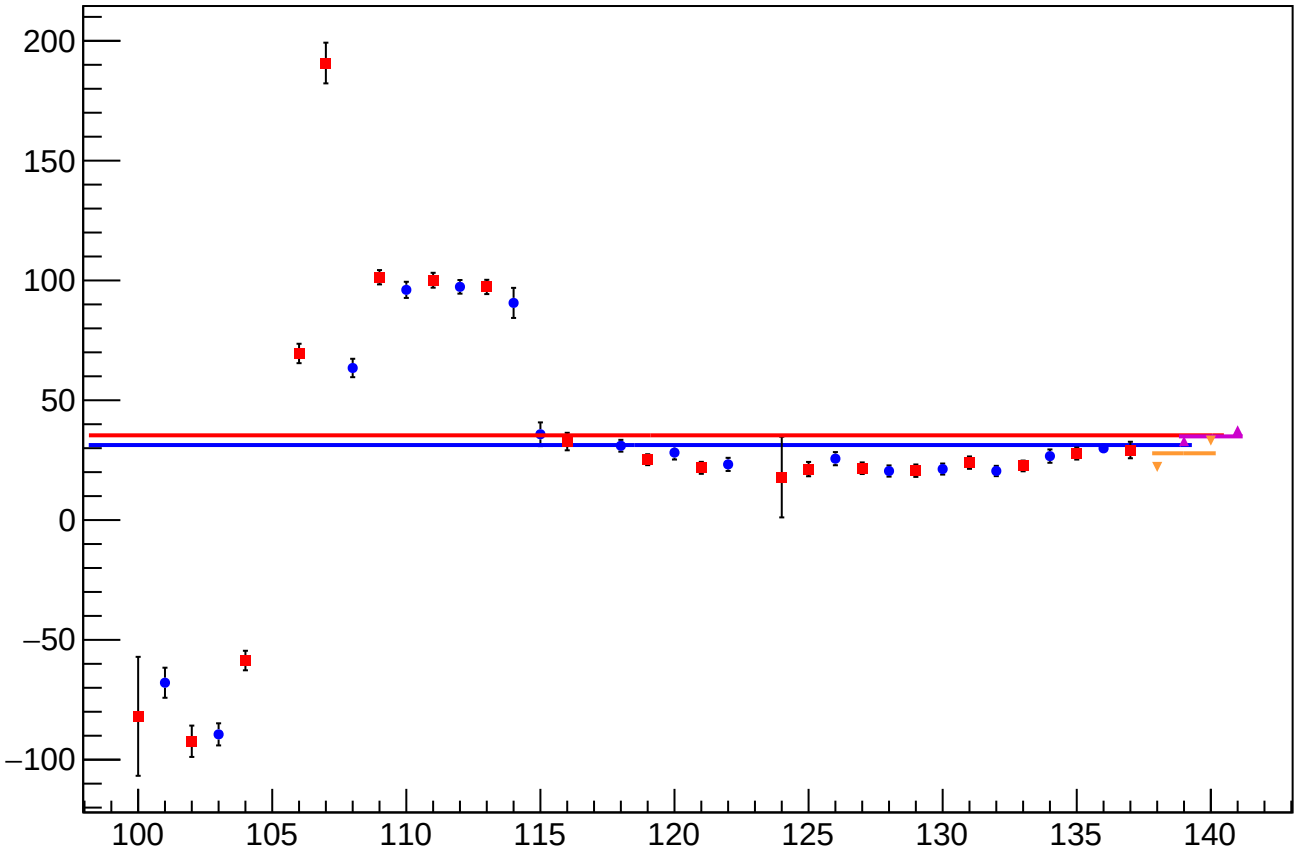
Left: -3.012+/-0.872 χ^2/NDF: 5.9/3

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.144+/-0.561 χ^2/NDF:119.2/17

Out: -1.400+/-0.557 χ^2/NDF:102.3/20

All: -1.273+/-0.395 χ^2/NDF: 221.6/38



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 27.869+/-1.295 χ^2/NDF:18.0/1

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 34.923+/-1.348 χ^2/NDF:2.8/1

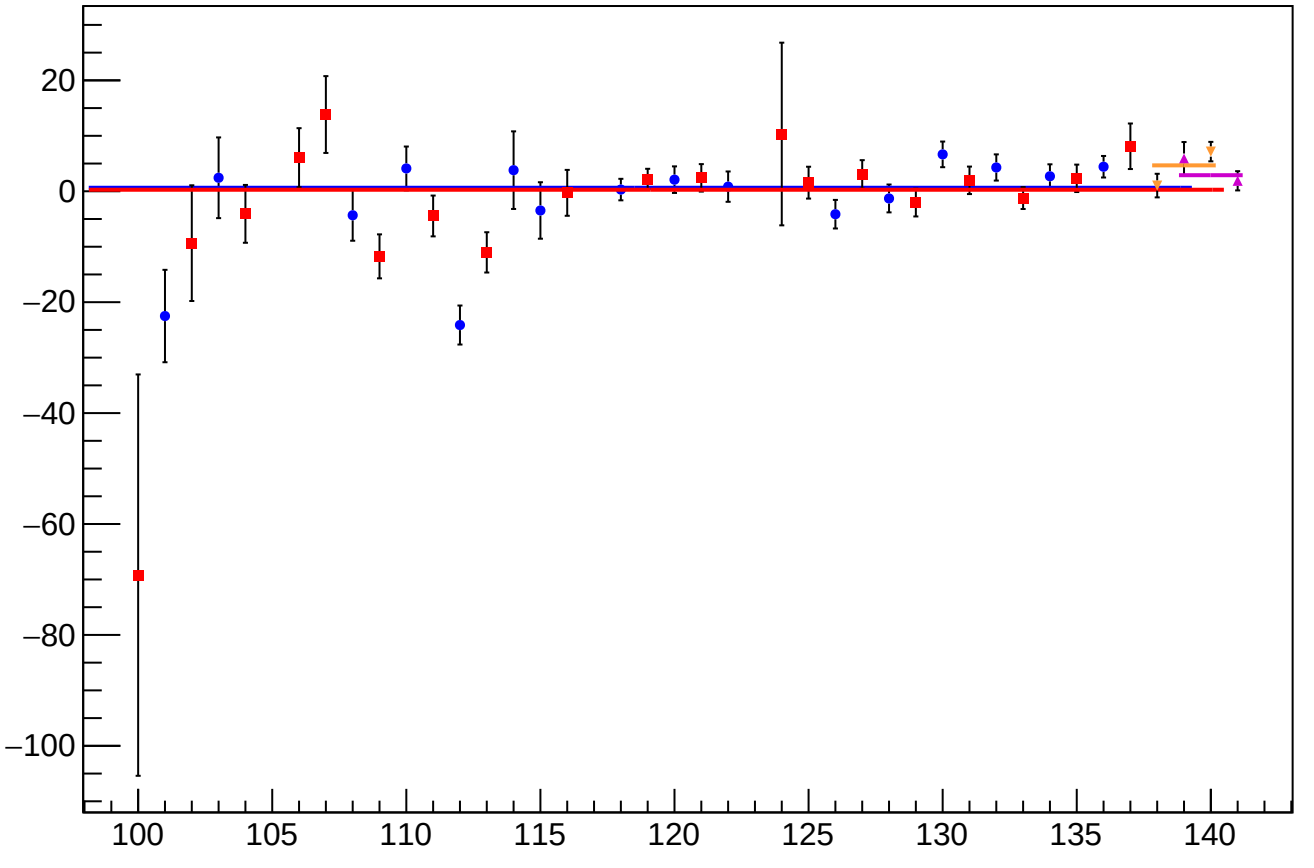
Left: 31.254+/-0.934 χ^2/NDF: 35.0/3

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 32.077+/-0.621 χ^2/NDF:2094.3/17

Out: 33.607+/-0.627 χ^2/NDF:2941.3/20

All: 32.835+/-0.442 χ^2/NDF: 5038.6/38



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 4.672+/-1.353 χ^2/NDF:4.9/1

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.898+/-1.501 χ^2/NDF:1.3/1

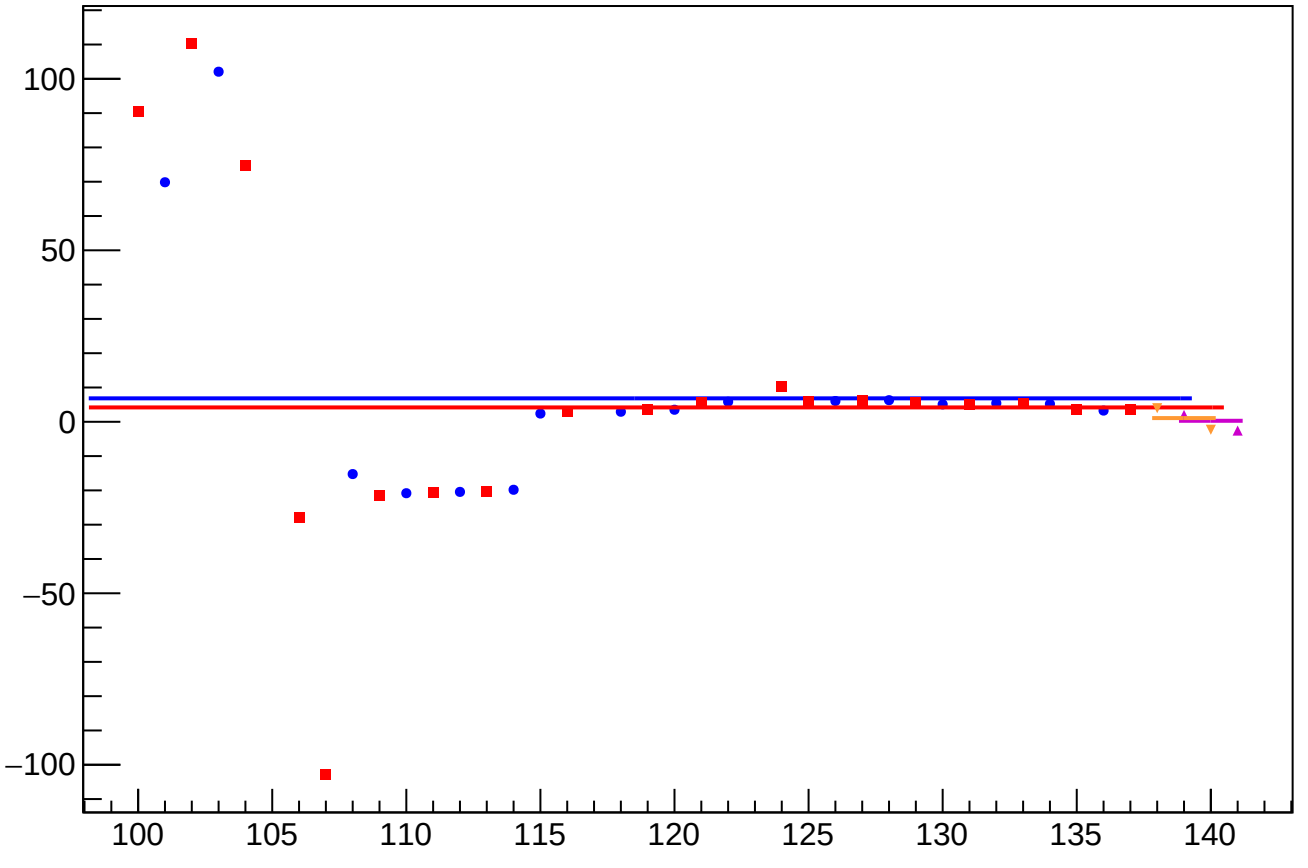
Left: 3.876+/-1.005 χ^2/NDF: 7.1/3

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.042+/-0.638 χ^2/NDF:81.6/17

Out: 1.257+/-0.640 χ^2/NDF:53.6/20

All: 1.149+/-0.452 χ^2/NDF: 135.3/38



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 1.082+/-0.054 χ^2/NDF:3370.5/1

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: 0.295+/-0.051 χ^2/NDF:1883.7/1

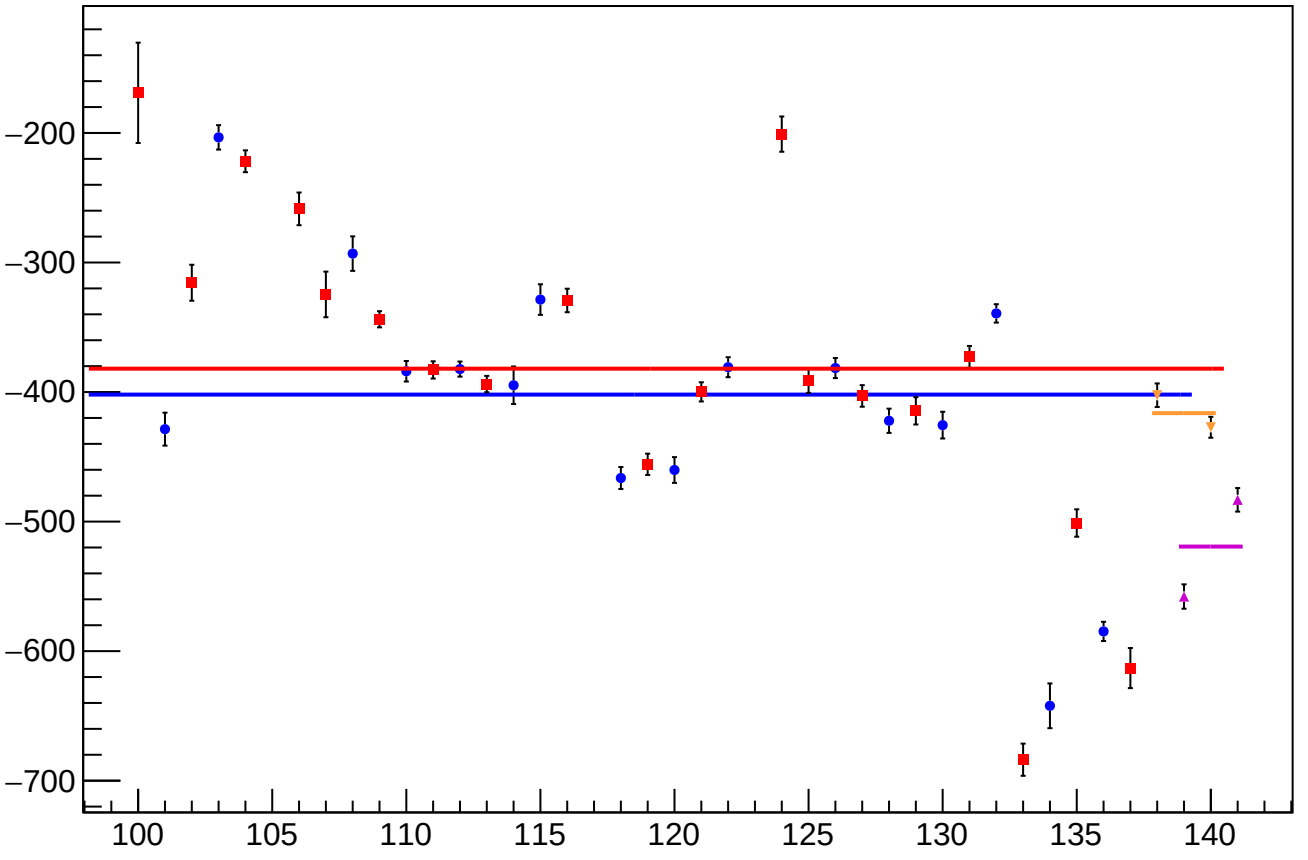
Left: 0.665+/-0.037 χ^2/NDF: 5366.9/3

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 4.119+/-0.033 χ^2/NDF:332527.6/17

Out: 2.872+/-0.035 χ^2/NDF:439828.9/20

All: 3.539+/-0.024 χ^2/NDF: 773030.8/38



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -416.277+/-6.040 χ^2/NDF:4.1/1

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -519.277+/-6.539 χ^2/NDF:32.5/1

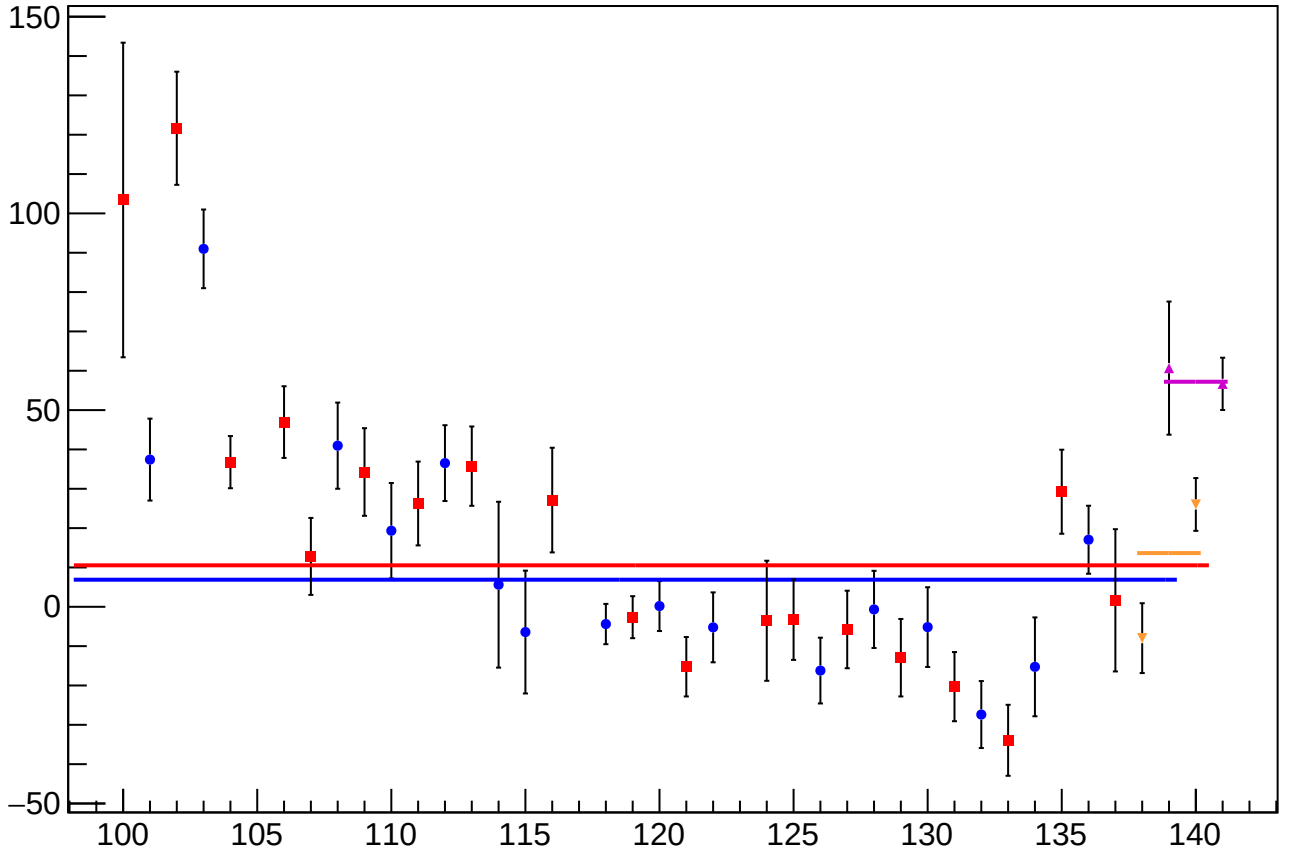
Left: -463.701+/-4.437 χ^2/NDF: 170.6/3

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -414.244+/-2.116 χ^2/NDF:1884.0/17

Out: -385.728+/-2.004 χ^2/NDF:1850.3/20

All: -399.213+/-1.455 χ^2/NDF: 3830.1/38



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 13.657+/-5.352 χ^2/NDF:9.3/1

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 57.205+/-6.184 χ^2/NDF:0.0/1

Left: 32.309+/-4.047 χ^2/NDF: 37.7/3

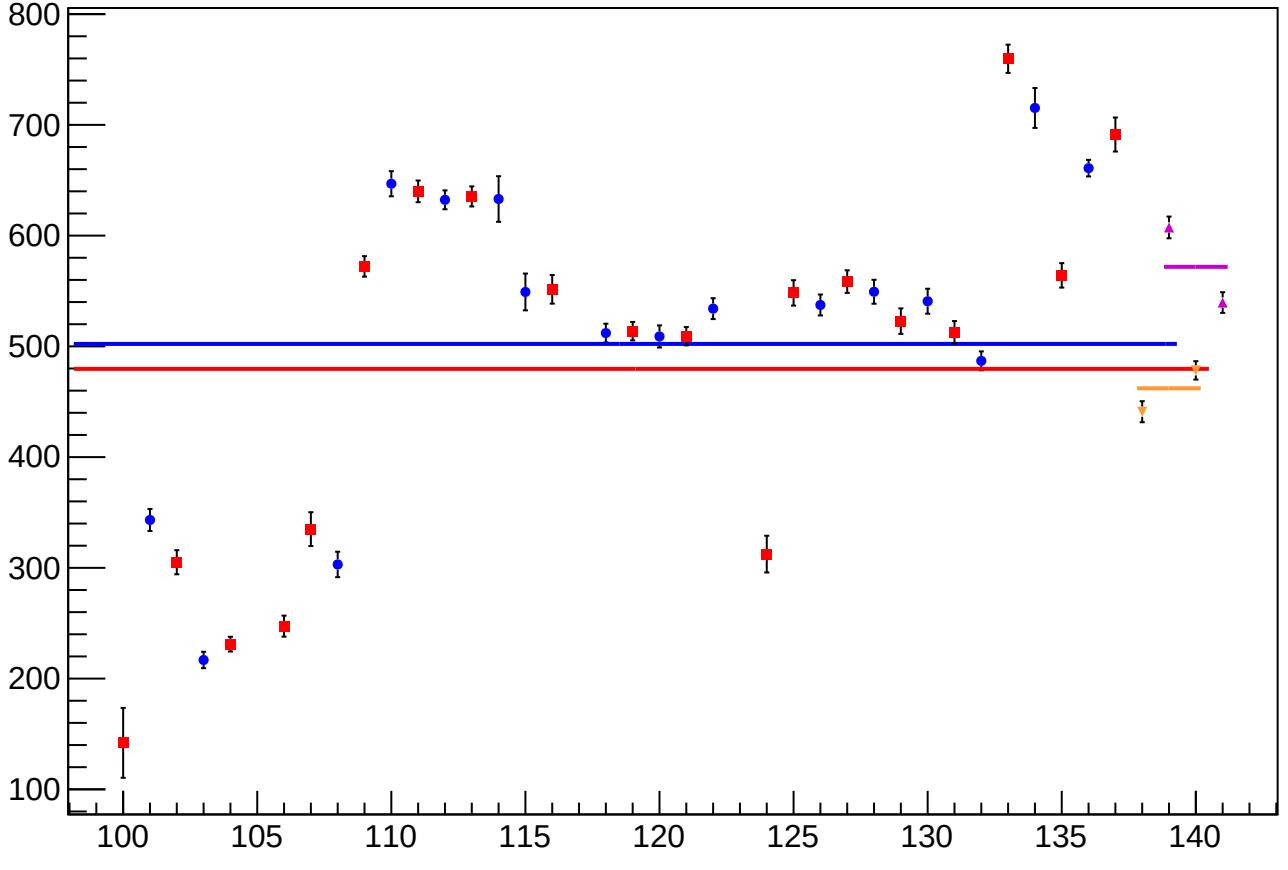
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 12.838+/-2.126 χ^2/NDF:196.9/17

Out: 10.993+/-2.032 χ^2/NDF:189.7/20

All: 11.874+/-1.469 χ^2/NDF: 386.9/38

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 462.111+/-6.250 χ^2/NDF:8.8/1

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 571.807+/-6.759 χ^2/NDF:25.1/1

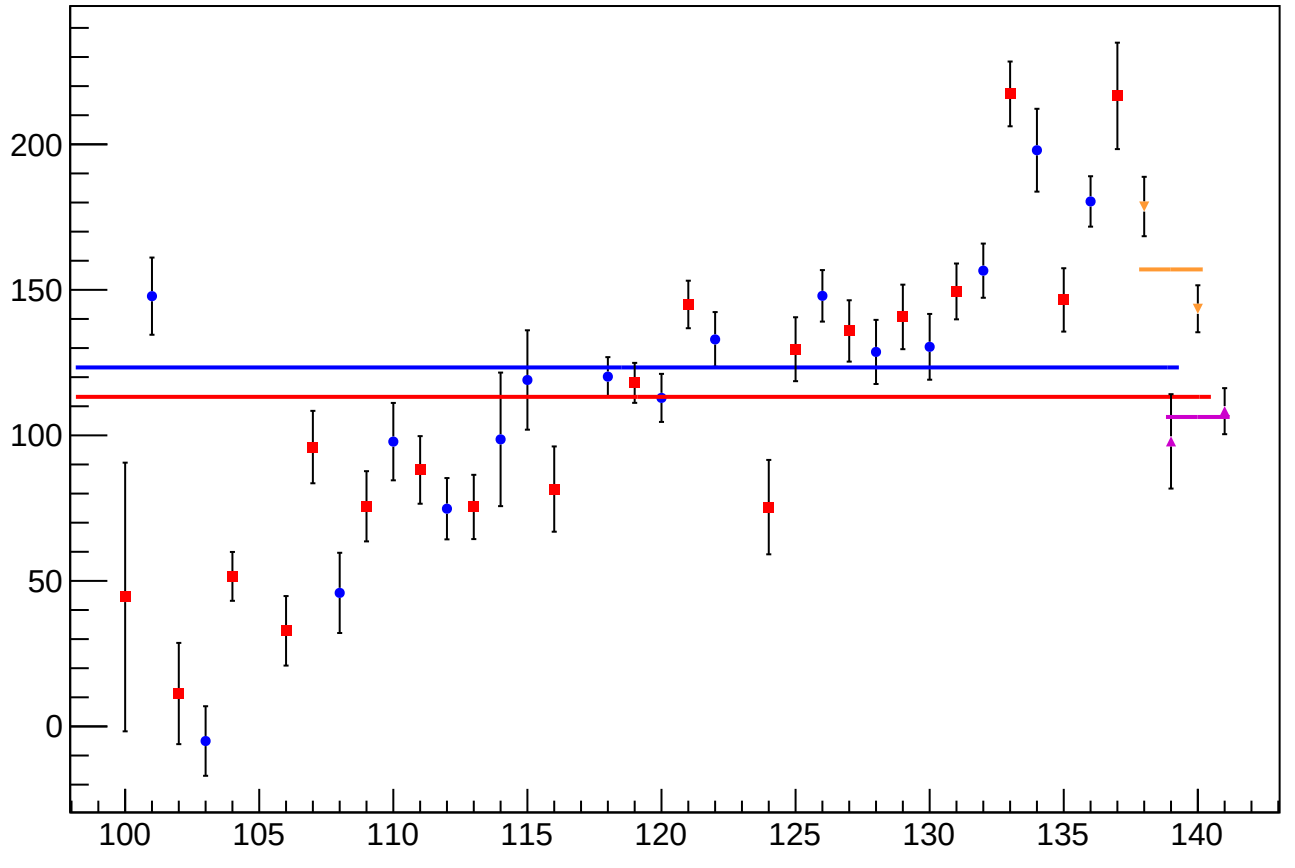
Left: 512.668+/-4.589 χ^2/NDF: 175.9/3

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 510.545+/-2.339 χ^2/NDF:3253.6/17

Out: 477.422+/-2.240 χ^2/NDF:4154.2/20

All: 493.268+/-1.618 χ^2/NDF: 7512.4/38



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 157.018+/-6.330 χ^2/NDF:7.3/1

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 106.323+/-7.110 χ^2/NDF:0.3/1

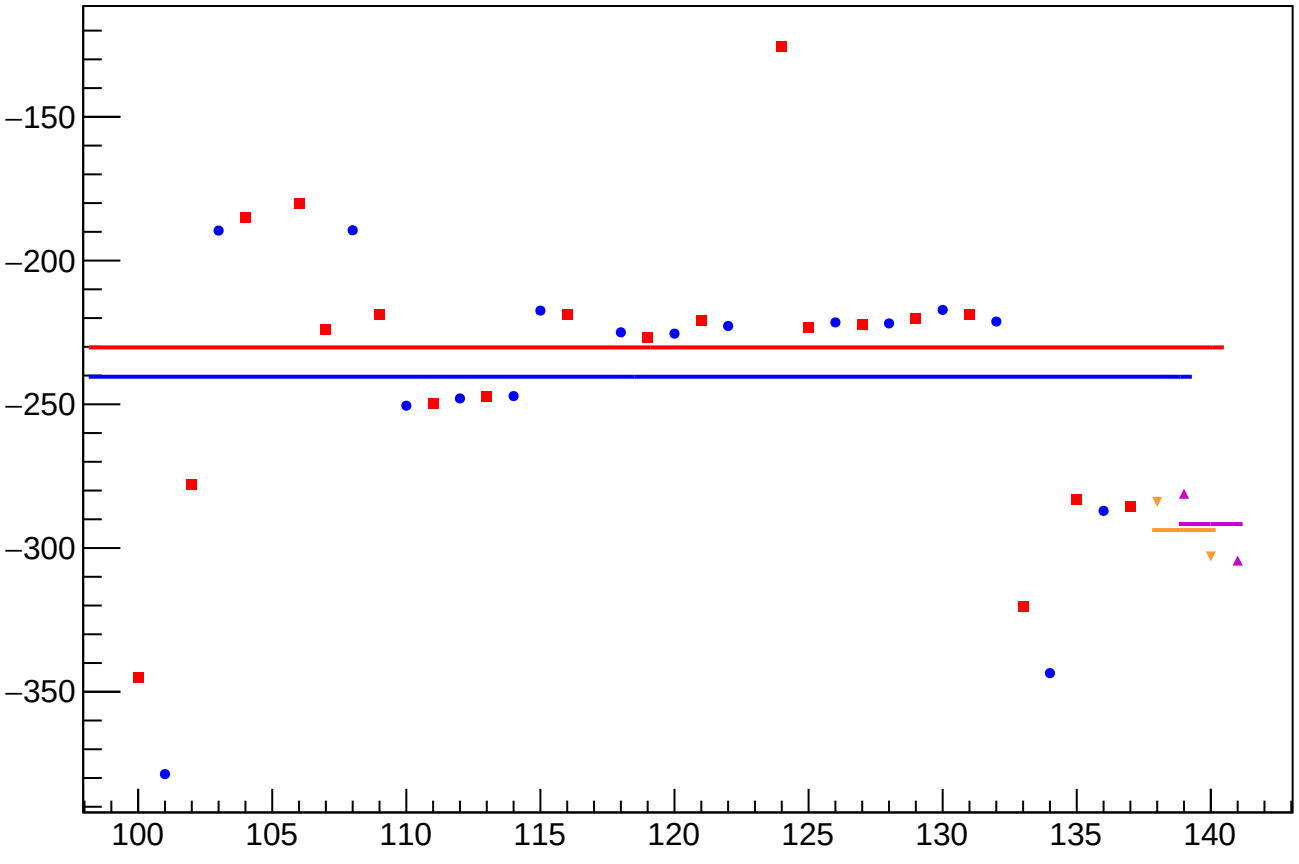
Left: 134.604+/-4.728 χ^2/NDF: 36.0/3

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 121.299+/-2.464 χ^2/NDF:276.7/17

Out: 119.327+/-2.361 χ^2/NDF:394.2/20

All: 120.271+/-1.705 χ^2/NDF: 671.3/38



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -293.744+/-0.266 χ^2/NDF:1264.6/1

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -291.654+/-0.258 χ^2/NDF:2010.9/1

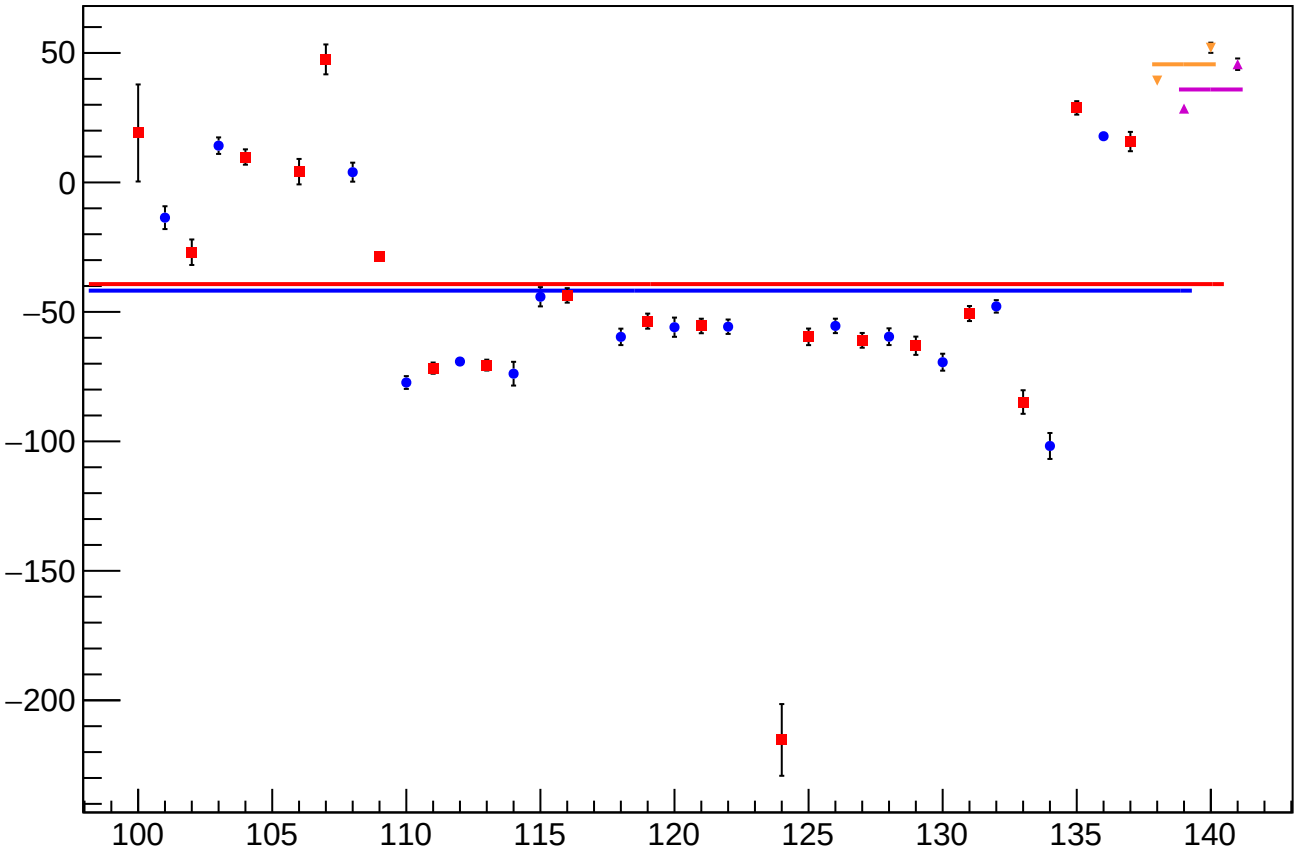
Left: -292.668+/-0.185 χ^2/NDF: 3307.3/3

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -253.416+/-0.130 χ^2/NDF:165540.5/17

Out: -244.973+/-0.128 χ^2/NDF:128412.1/20

All: -249.137+/-0.091 χ^2/NDF: 296087.1/38



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 45.623+/-1.384 χ^2/NDF:21.0/1

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 35.899+/-1.453 χ^2/NDF:34.1/1

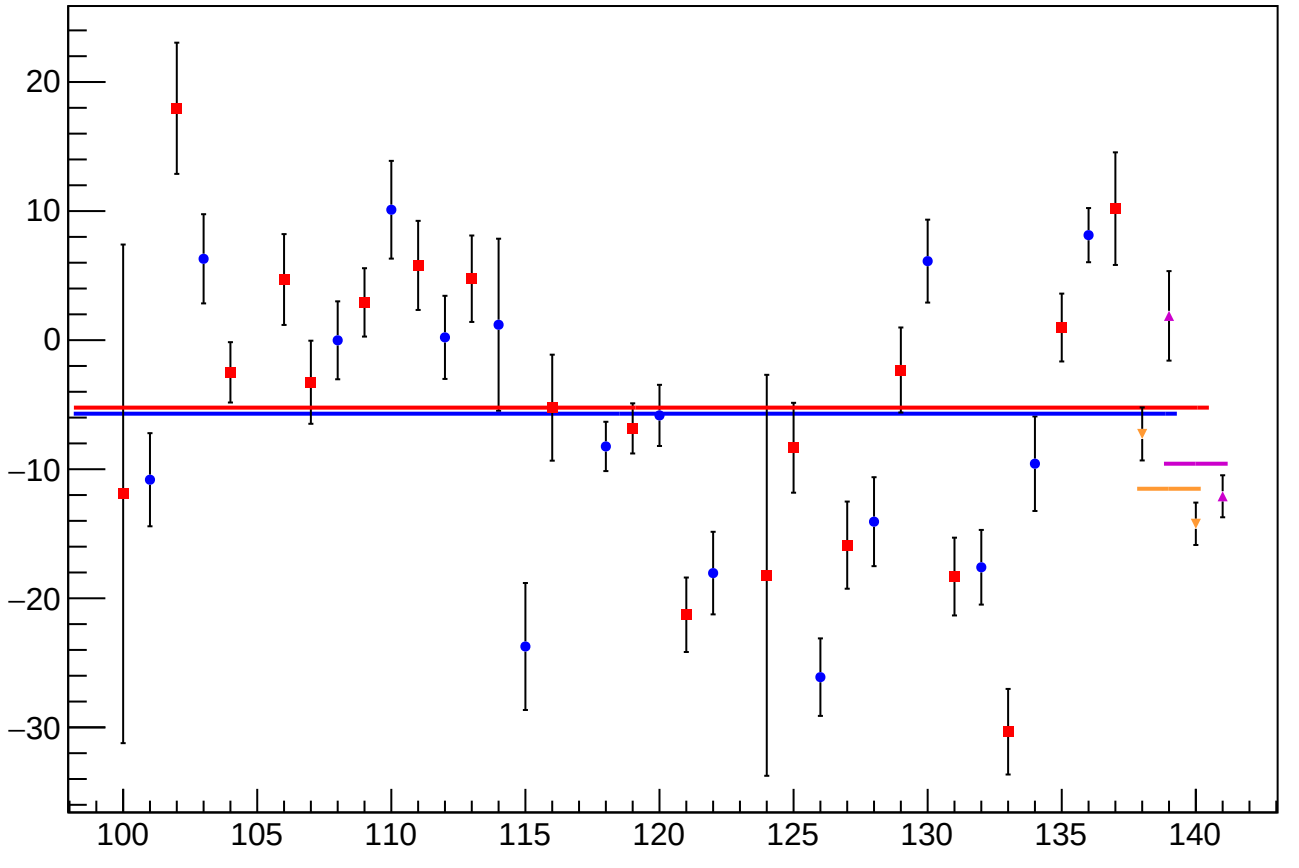
Left: 40.998+/-1.002 χ^2/NDF: 78.6/3

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -26.364+/-0.647 χ^2/NDF:4731.1/17

Out: -22.765+/-0.610 χ^2/NDF:5531.1/20

All: -24.458+/-0.444 χ^2/NDF: 10278.6/38



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -11.513+/-1.282 χ^2/NDF:7.0/1

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -9.573+/-1.473 χ^2/NDF:13.3/1

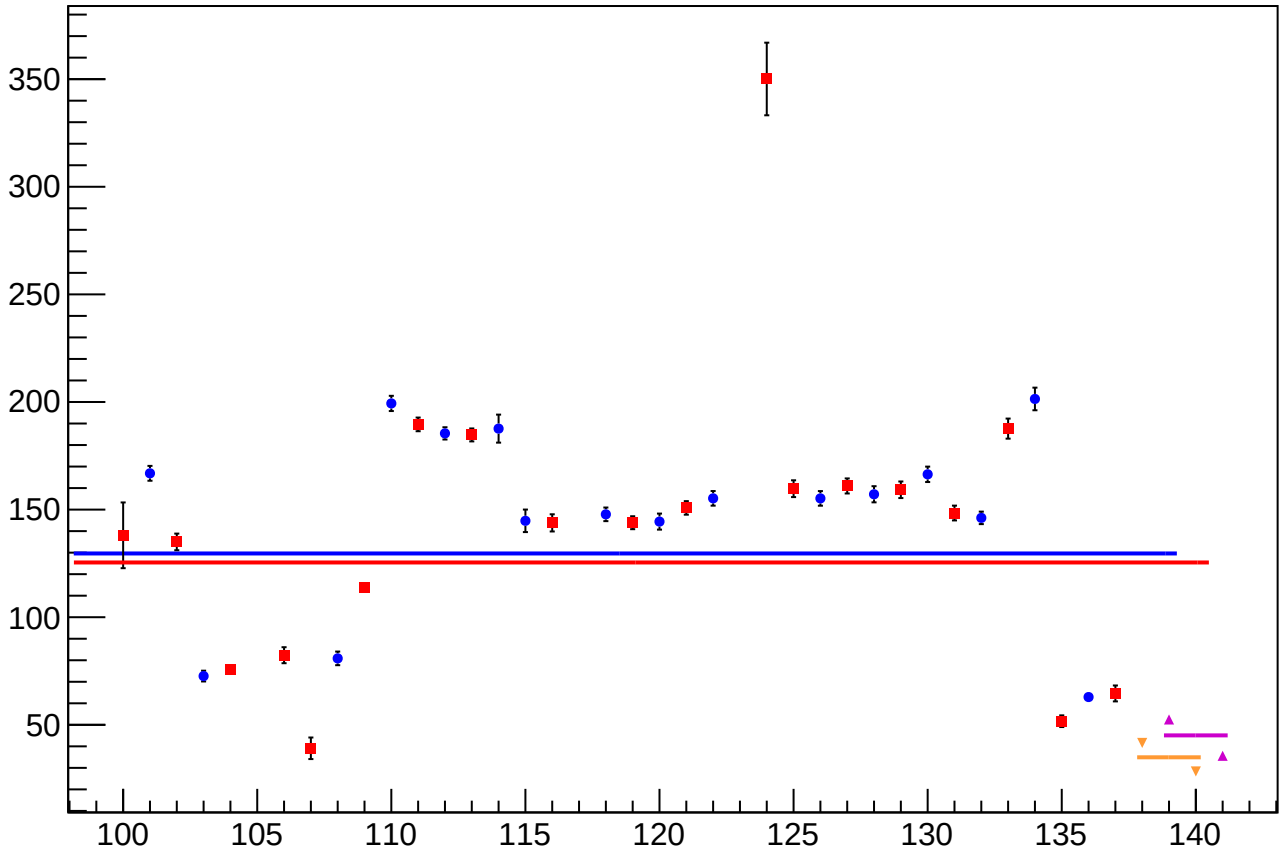
Left: -10.677+/-0.967 χ^2/NDF: 21.3/3

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -6.500+/-0.671 χ^2/NDF:215.5/17

Out: -6.797+/-0.641 χ^2/NDF:222.4/20

All: -6.655+/-0.463 χ^2/NDF: 438.0/38



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 34.909+/-1.434 χ^2/NDF:21.4/1

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 45.095+/-1.504 χ^2/NDF:31.0/1

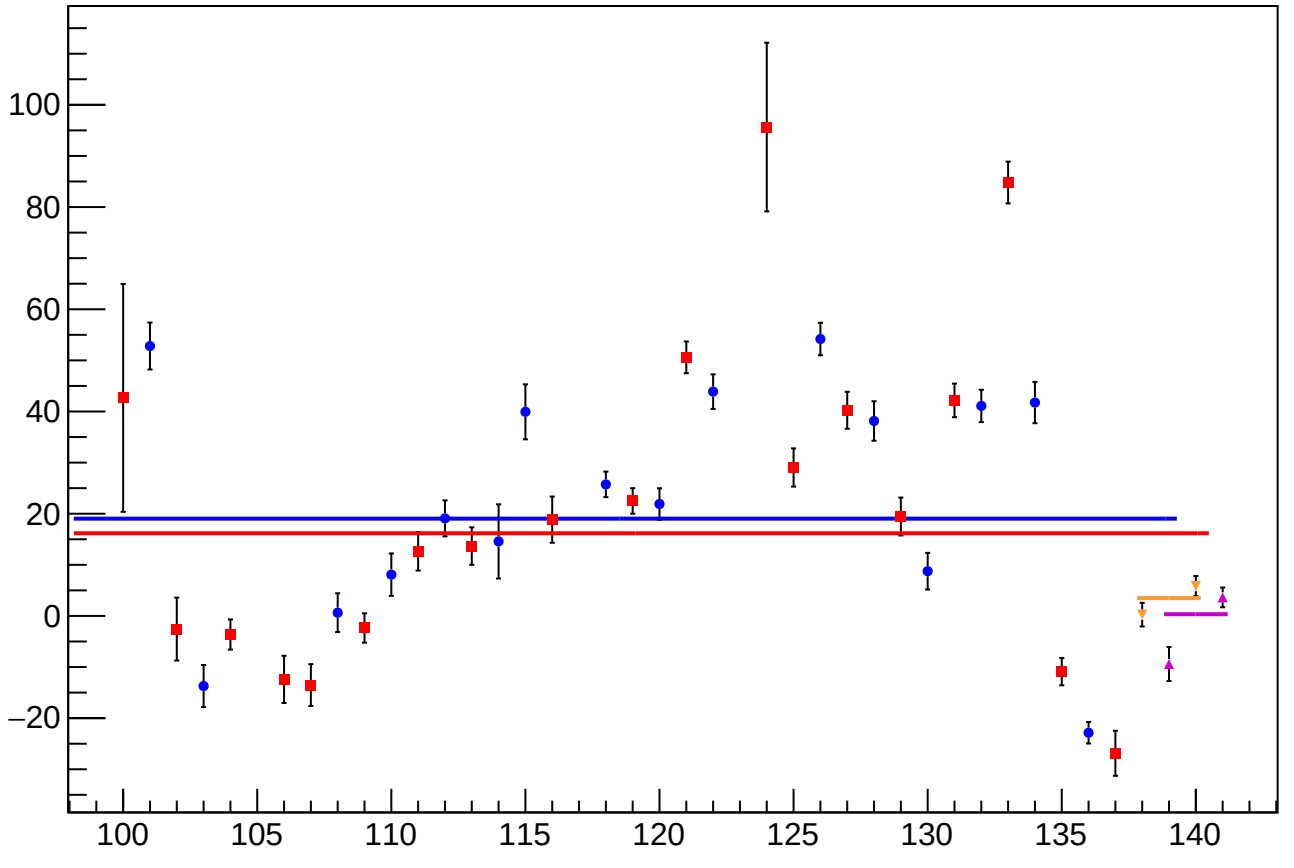
Left: 39.759+/-1.038 χ^2/NDF: 76.4/3

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 110.960+/-0.707 χ^2/NDF:6116.2/17

Out: 104.364+/-0.692 χ^2/NDF:6582.5/20

All: 107.591+/-0.494 χ^2/NDF: 12743.1/38



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 3.492+/-1.497 χ^2/NDF:3.4/1

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: 0.341+/-1.669 χ^2/NDF:11.5/1

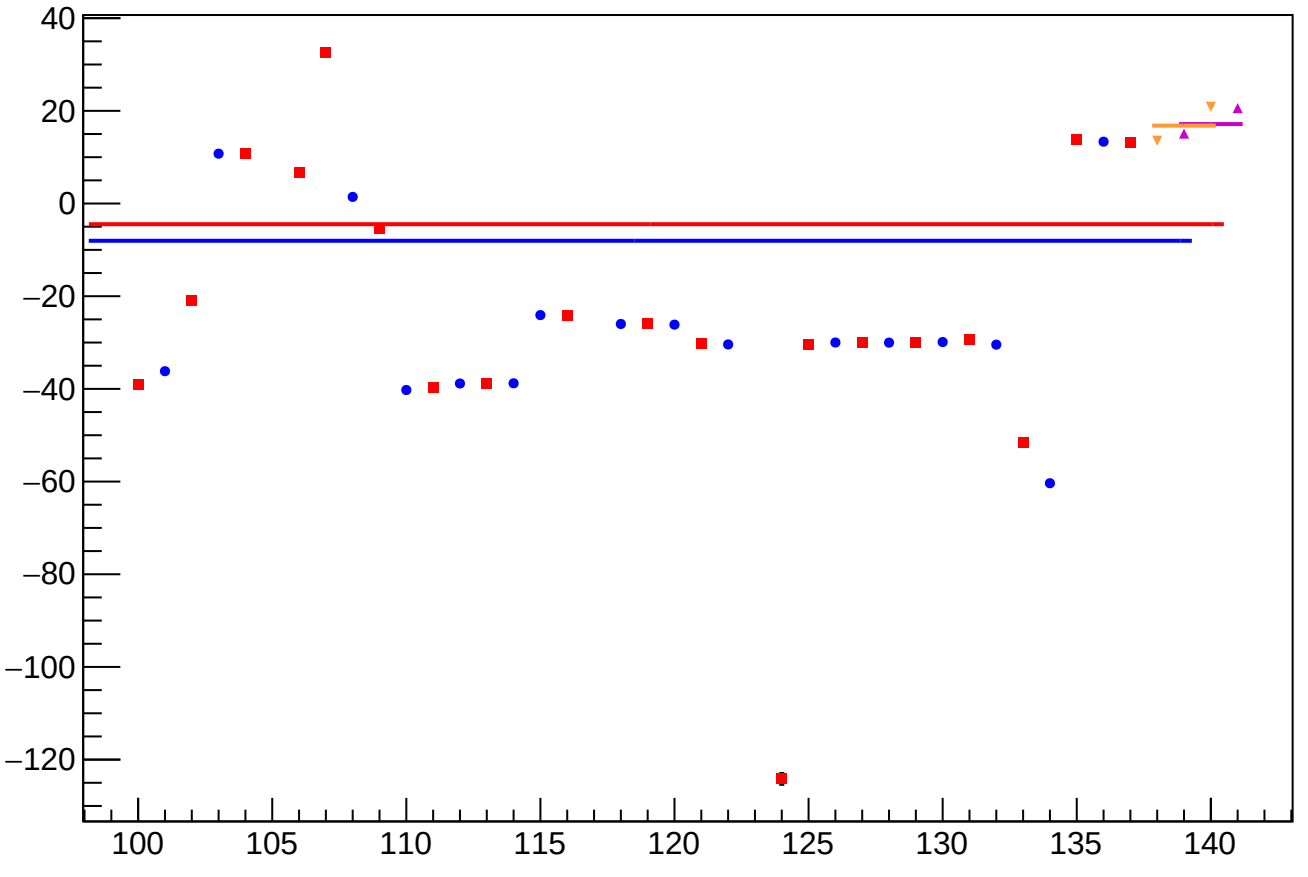
Left: 2.087+/-1.115 χ^2/NDF: 16.9/3

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 15.115+/-0.764 χ^2/NDF:968.7/17

Out: 13.104+/-0.736 χ^2/NDF:999.0/20

All: 14.072+/-0.530 χ^2/NDF: 1971.3/38



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 16.810+/-0.060 χ^2/NDF:3709.1/1

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.146+/-0.057 χ^2/NDF:2211.0/1

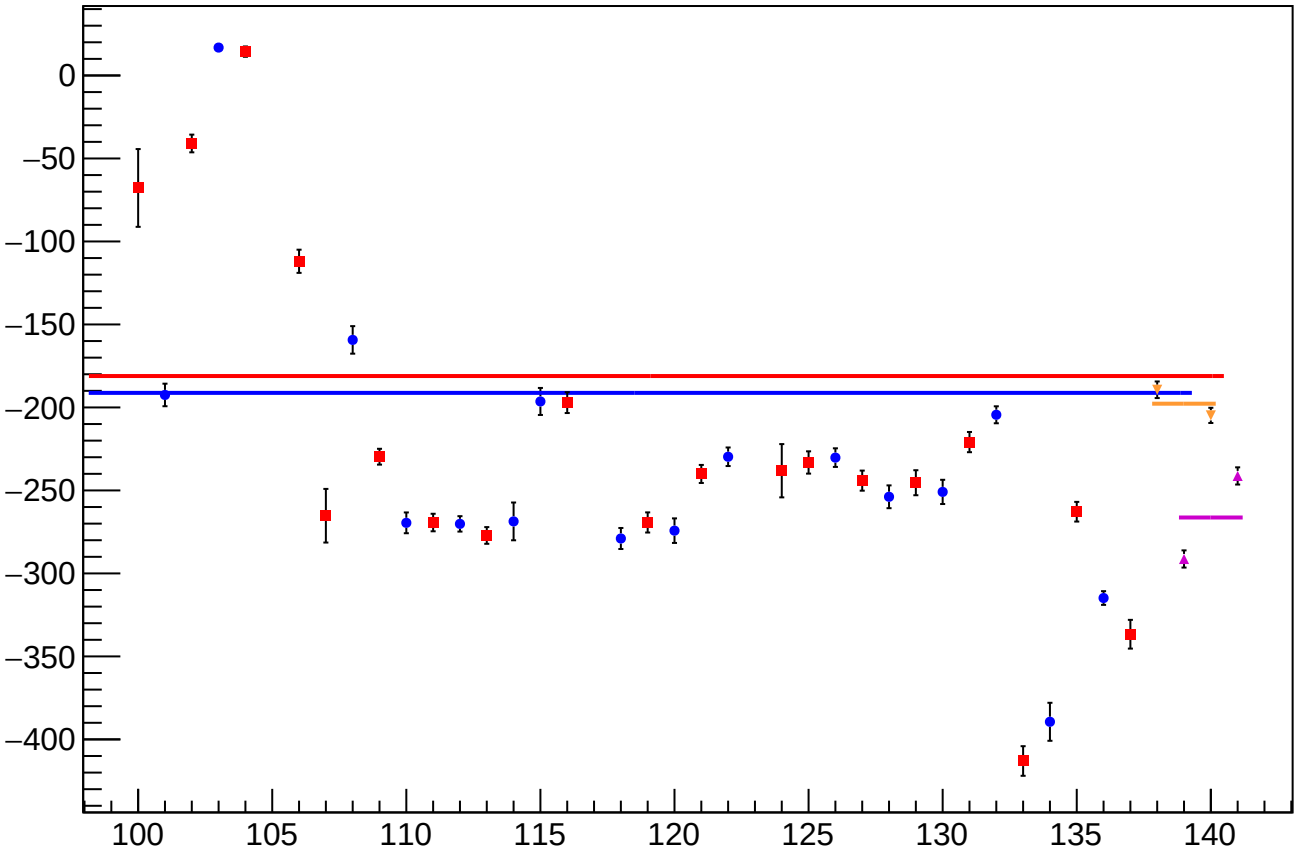
Left: 16.987+/-0.041 χ^2/NDF: 5936.7/3

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 1.934+/-0.036 χ^2/NDF:389663.9/17

Out: 3.639+/-0.037 χ^2/NDF:310798.4/20

All: 2.758+/-0.026 χ^2/NDF: 701569.7/38



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -197.743+/-3.378 χ^2/NDF:5.2/1

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -266.311+/-3.664 χ^2/NDF:46.6/1

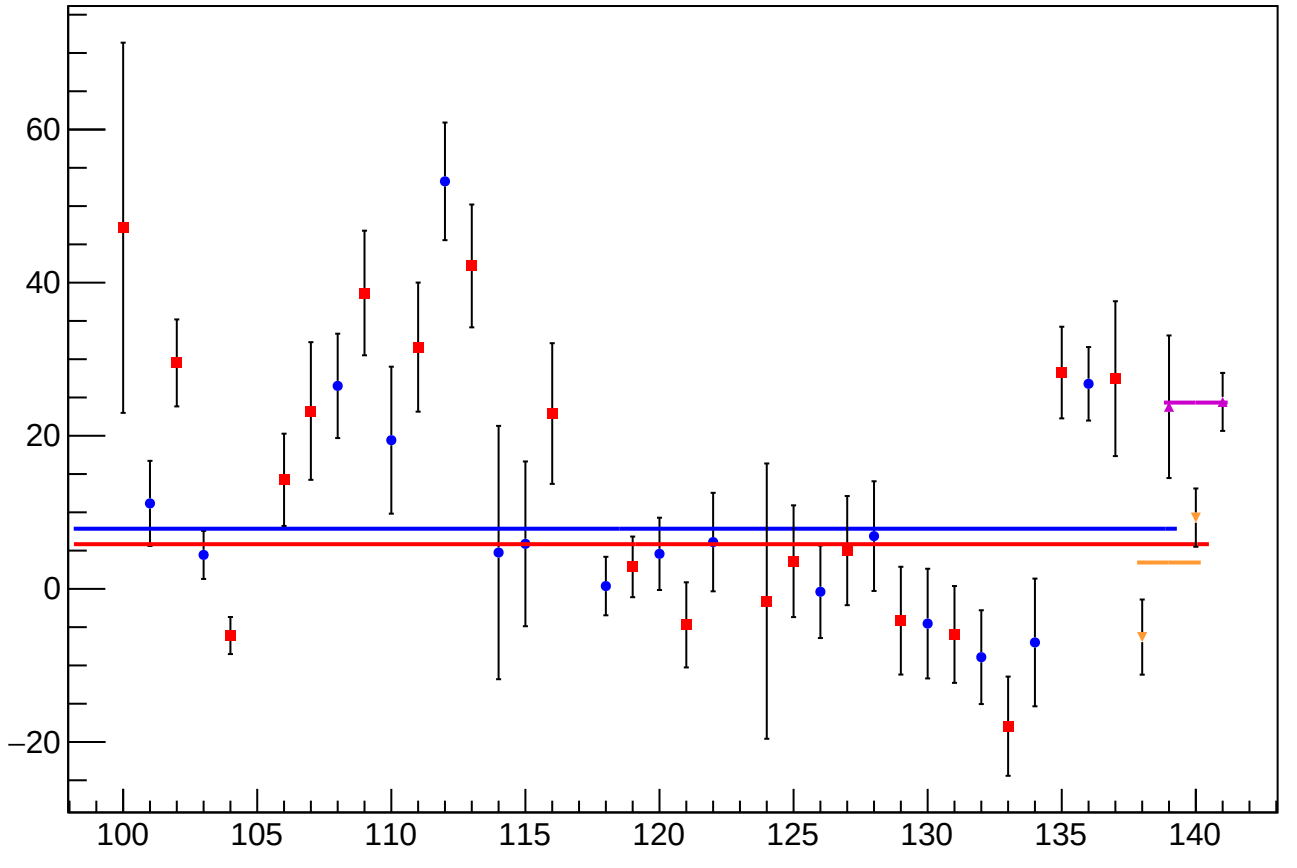
Left: -229.248+/-2.484 χ^2/NDF: 241.1/3

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -201.013+/-1.323 χ^2/NDF:7636.5/17

Out: -183.471+/-1.280 χ^2/NDF:7400.0/20

All: -191.950+/-0.920 χ^2/NDF: 15127.4/38



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 3.445+/-3.008 χ^2/NDF:6.3/1

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 24.334+/-3.509 χ^2/NDF:0.0/1

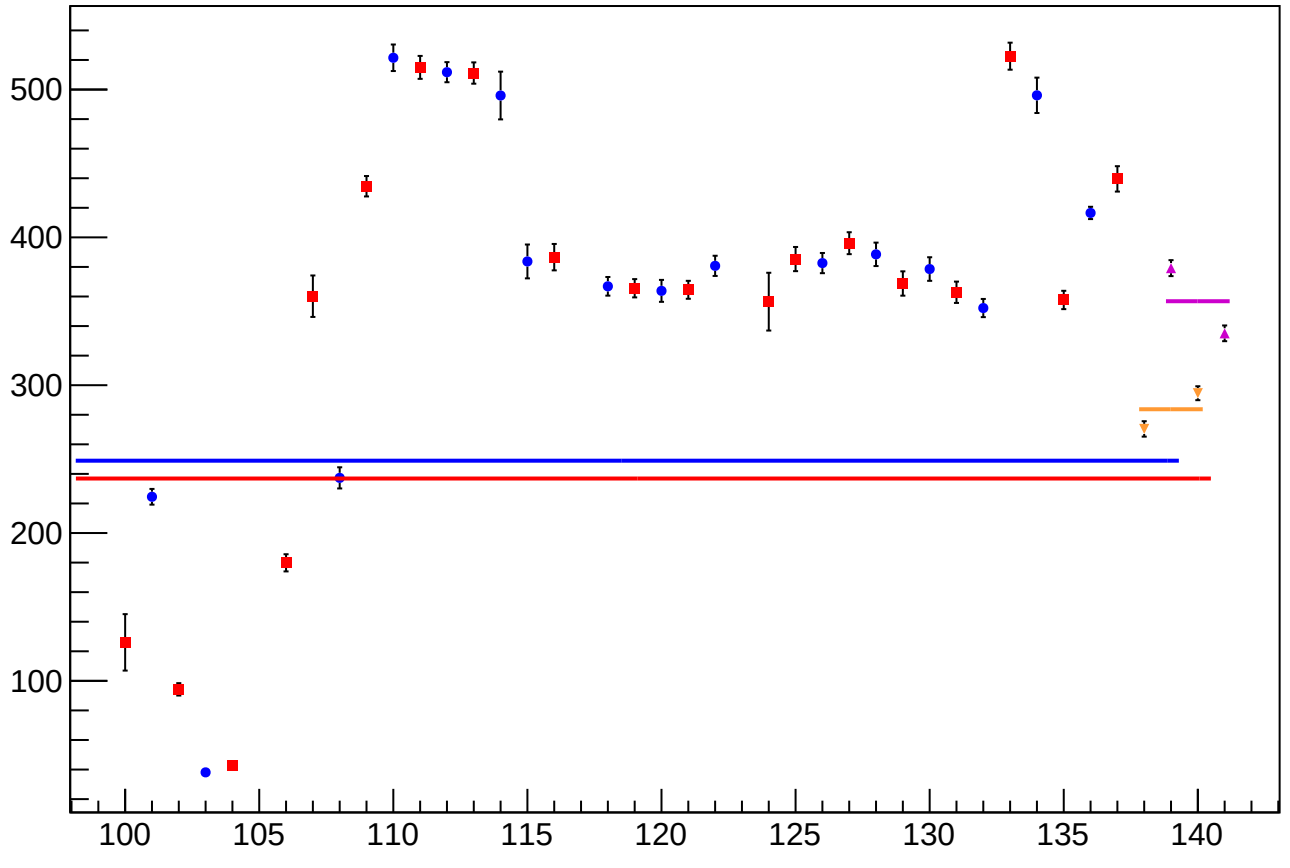
Left: 12.296+/-2.284 χ^2/NDF: 26.7/3

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 10.228+/-1.331 χ^2/NDF:99.8/17

Out: 5.435+/-1.236 χ^2/NDF:148.7/20

All: 7.655+/-0.905 χ^2/NDF: 255.5/38



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 283.729+/-3.496 χ^2/NDF:11.8/1

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 356.805+/-3.789 χ^2/NDF:33.9/1

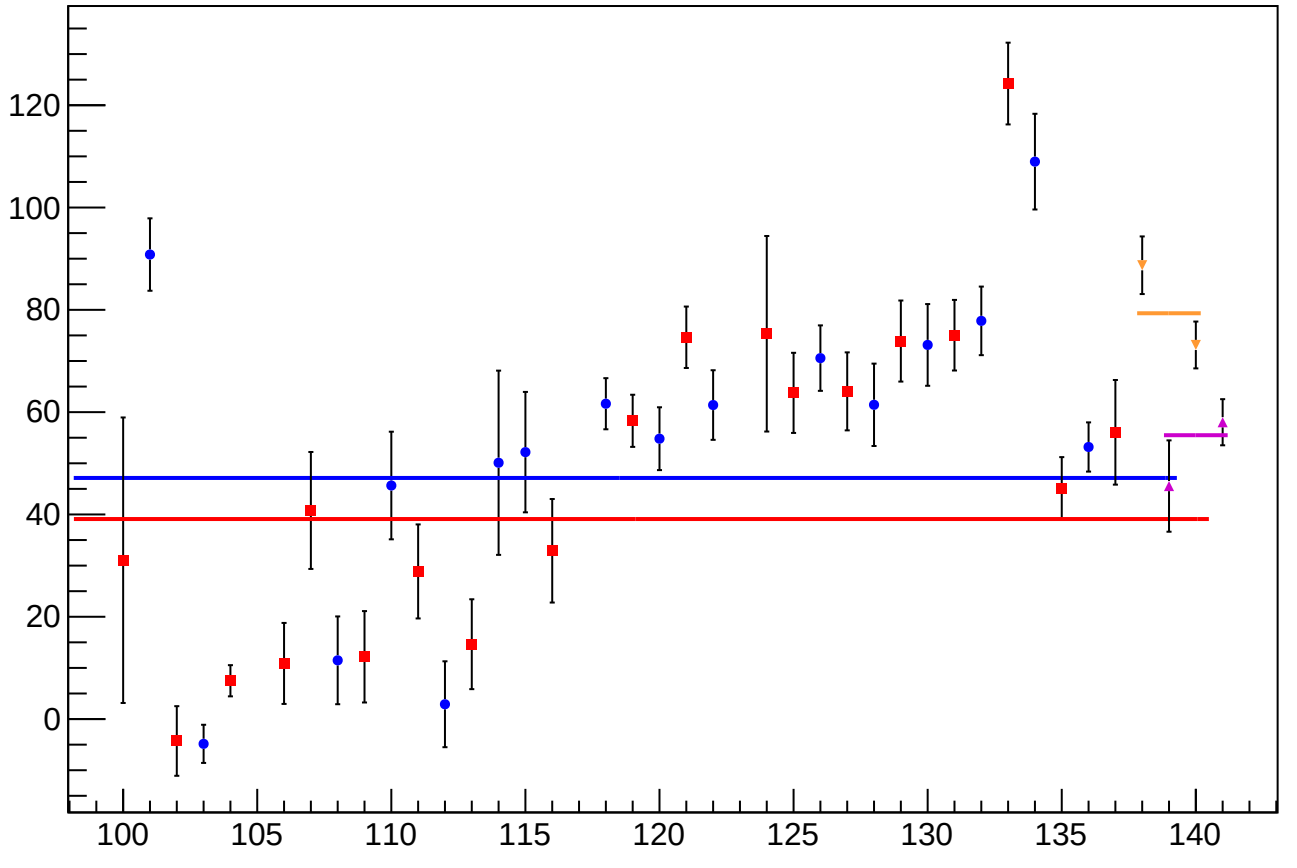
Left: 317.337+/-2.569 χ^2/NDF: 246.6/3

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 262.247+/-1.331 χ^2/NDF:16046.7/17

Out: 243.400+/-1.305 χ^2/NDF:15823.8/20

All: 252.637+/-0.932 χ^2/NDF: 31972.7/38



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 79.332+/-3.553 χ^2/NDF:4.6/1

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 55.493+/-4.025 χ^2/NDF:1.6/1

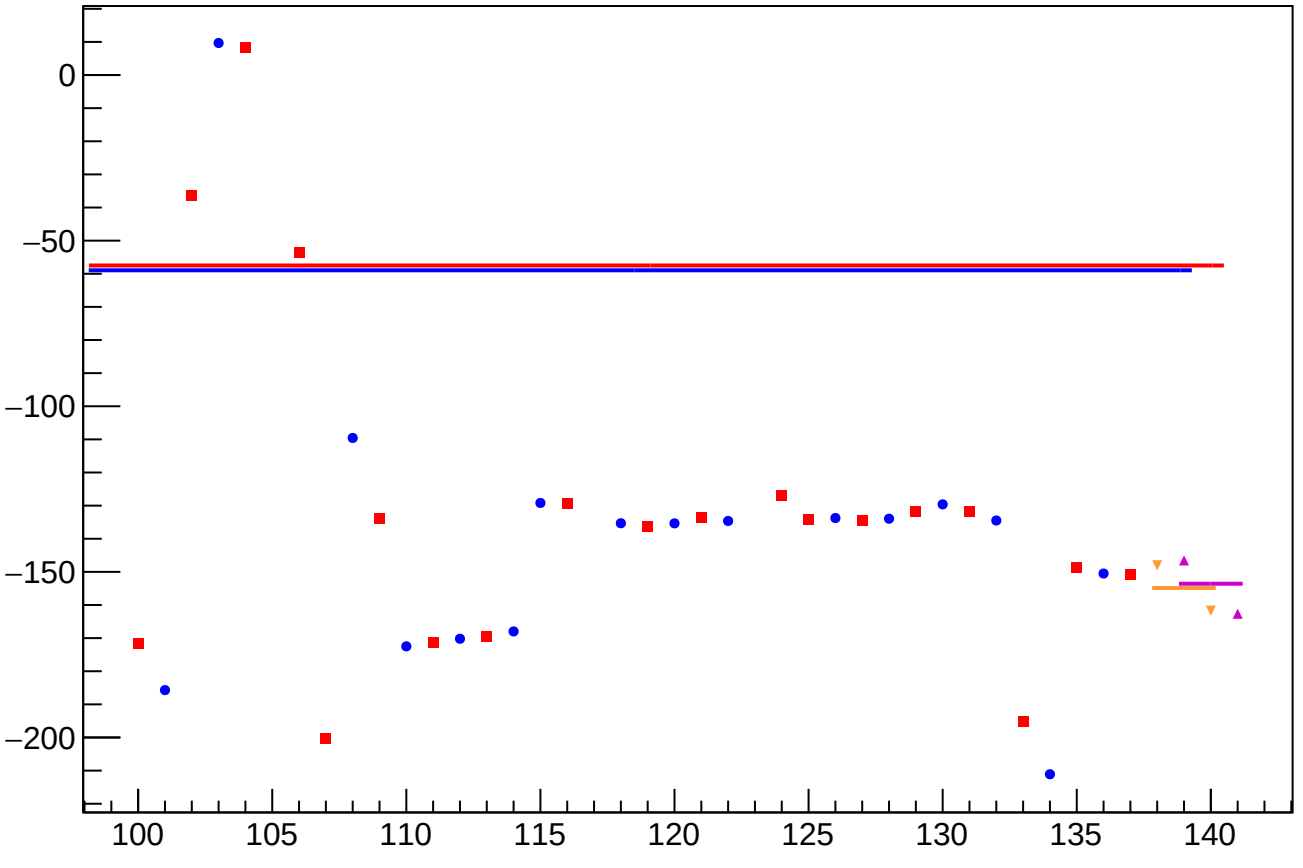
Left: 68.892+/-2.664 χ^2/NDF: 25.9/3

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 48.361+/-1.541 χ^2/NDF:390.6/17

Out: 45.859+/-1.456 χ^2/NDF:527.7/20

All: 47.039+/-1.058 χ^2/NDF: 919.7/38



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -154.858+/-0.149 χ^2/NDF:2131.7/1

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -153.577+/-0.144 χ^2/NDF:3061.9/1

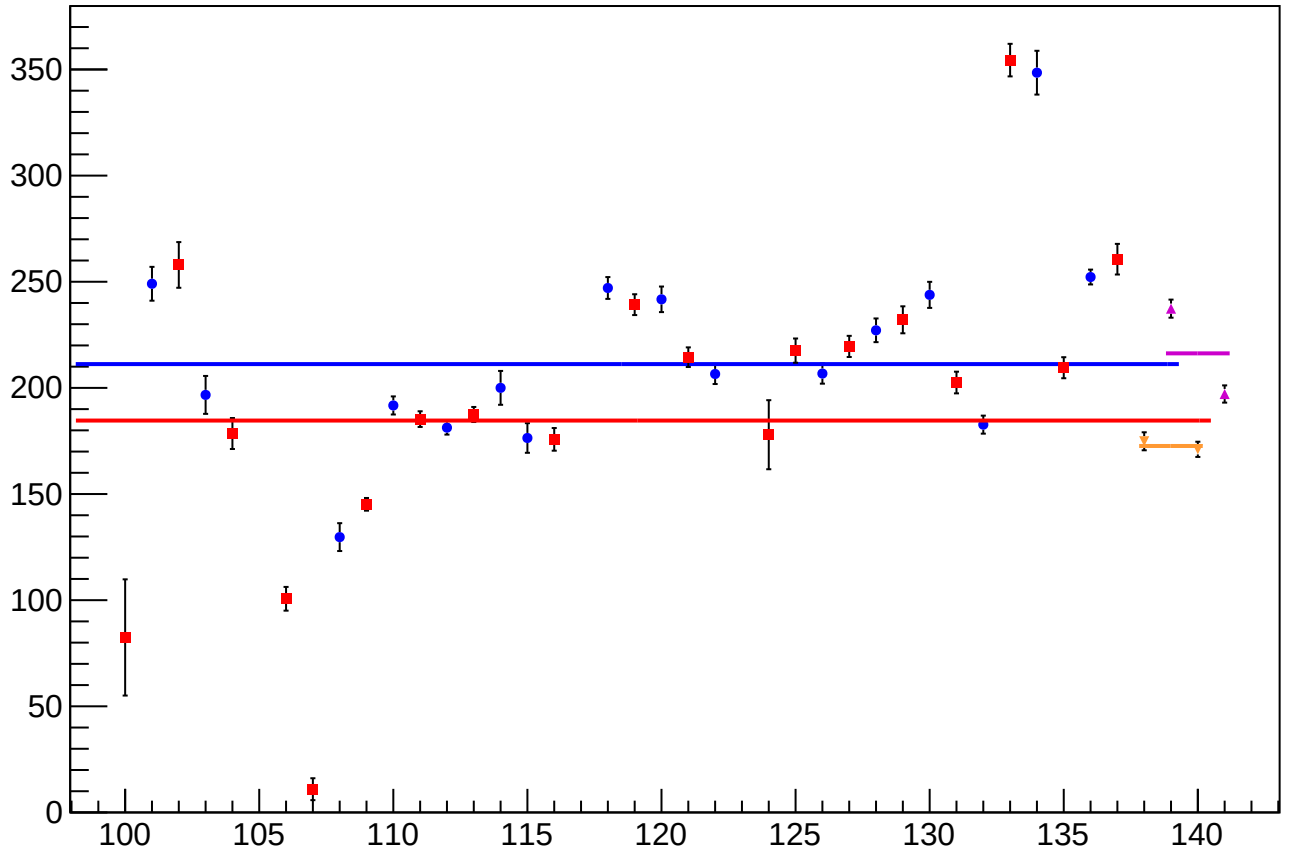
Left: -154.199+/-0.104 χ^2/NDF: 5231.8/3

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -78.066+/-0.065 χ^2/NDF:1573139.3/17

Out: -76.969+/-0.066 χ^2/NDF:1217221.5/20

All: -77.531+/-0.046 χ^2/NDF: 2790500.3/38



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 172.635+/-2.738 χ^2/NDF:0.5/1

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 216.264+/-2.938 χ^2/NDF:46.7/1

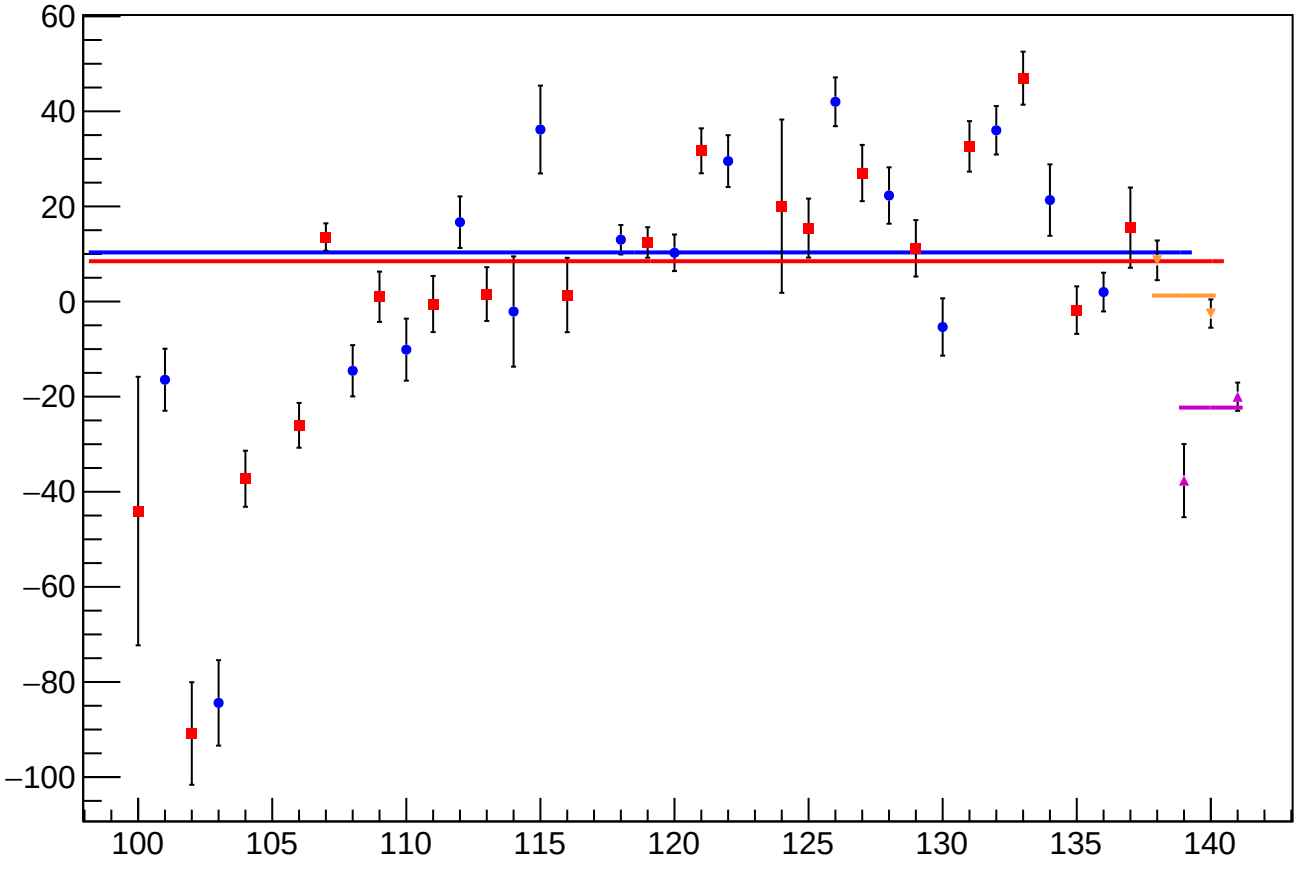
Left: 192.915+/-2.003 χ^2/NDF: 165.2/3

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 212.033+/-1.186 χ^2/NDF:832.2/17

Out: 182.701+/-1.094 χ^2/NDF:2556.9/20

All: 196.195+/-0.804 χ^2/NDF: 3719.6/38



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: 1.257+/-2.427 χ^2/NDF:4.8/1

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -22.303+/-2.769 χ^2/NDF:4.6/1

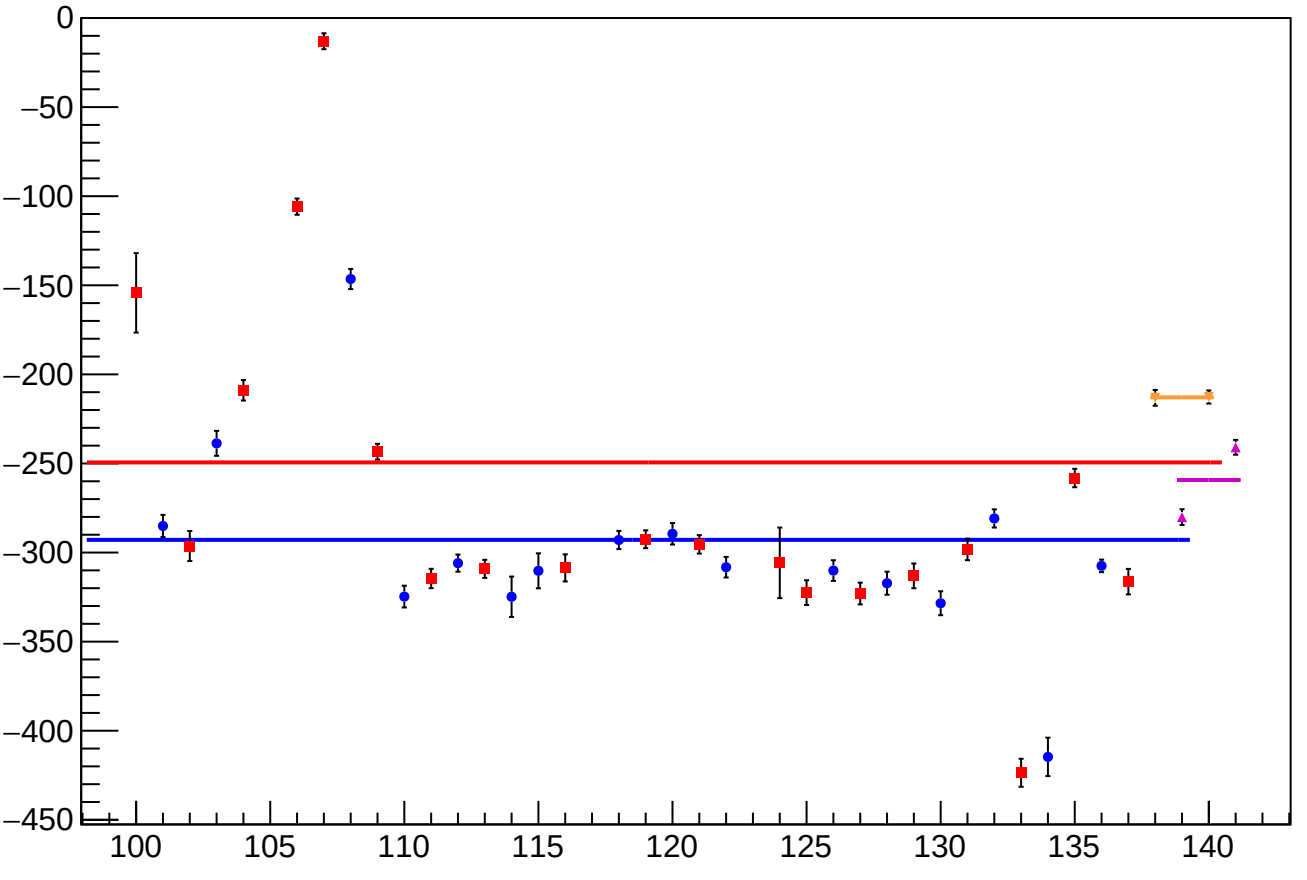
Left: -8.976+/-1.825 χ^2/NDF: 50.3/3

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 4.193+/-1.201 χ^2/NDF:380.6/17

Out: 7.014+/-1.093 χ^2/NDF:334.2/20

All: 5.735+/-0.808 χ^2/NDF: 717.8/38



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -212.903+/-2.833 χ^2/NDF:0.0/1

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -259.281+/-3.036 χ^2/NDF:41.4/1

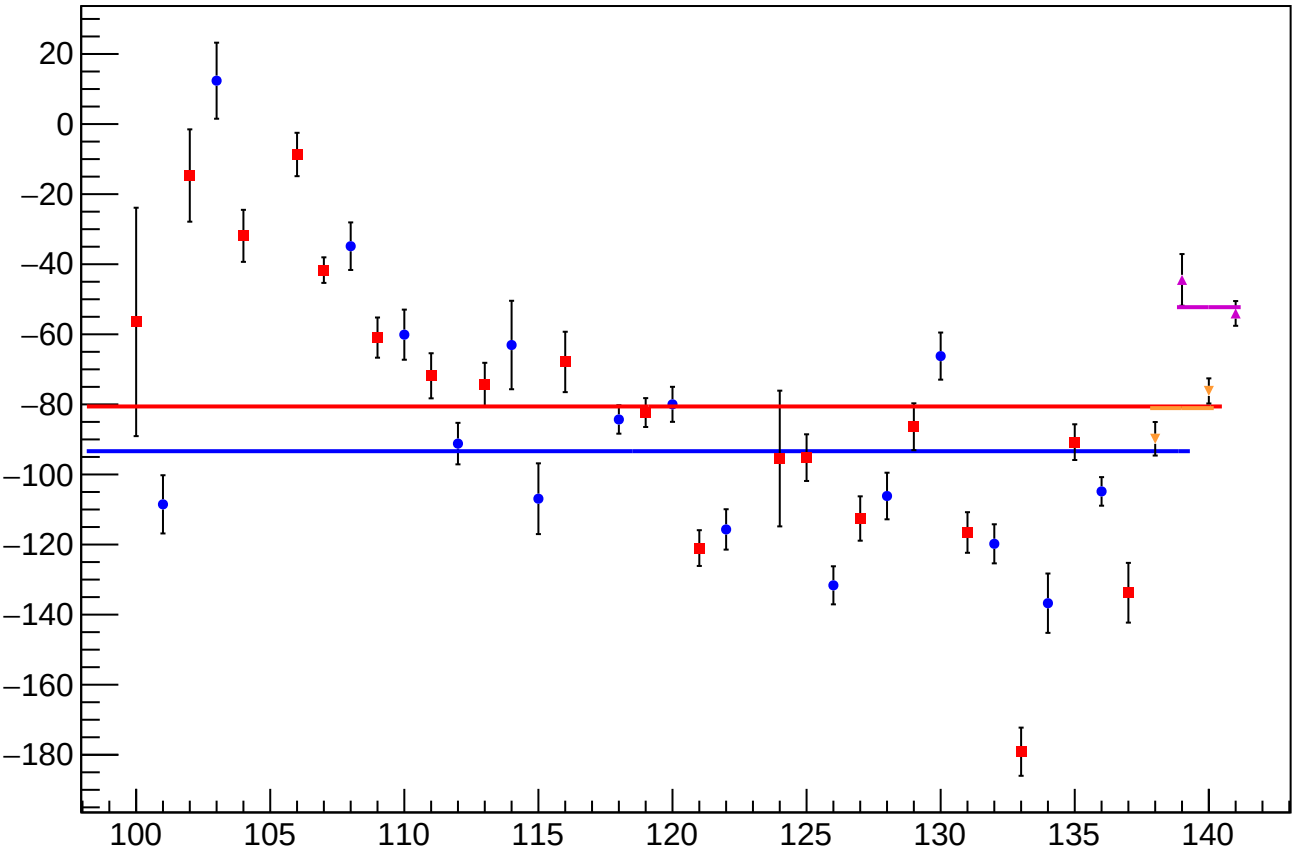
Left: -234.484+/-2.071 χ^2/NDF: 166.2/3

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -286.511+/-1.321 χ^2/NDF:1124.1/17

Out: -242.498+/-1.232 χ^2/NDF:5503.1/20

All: -262.974+/-0.901 χ^2/NDF: 7220.6/38



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -81.065+/-2.869 χ^2/NDF:5.2/1

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -52.255+/-3.185 χ^2/NDF:1.4/1

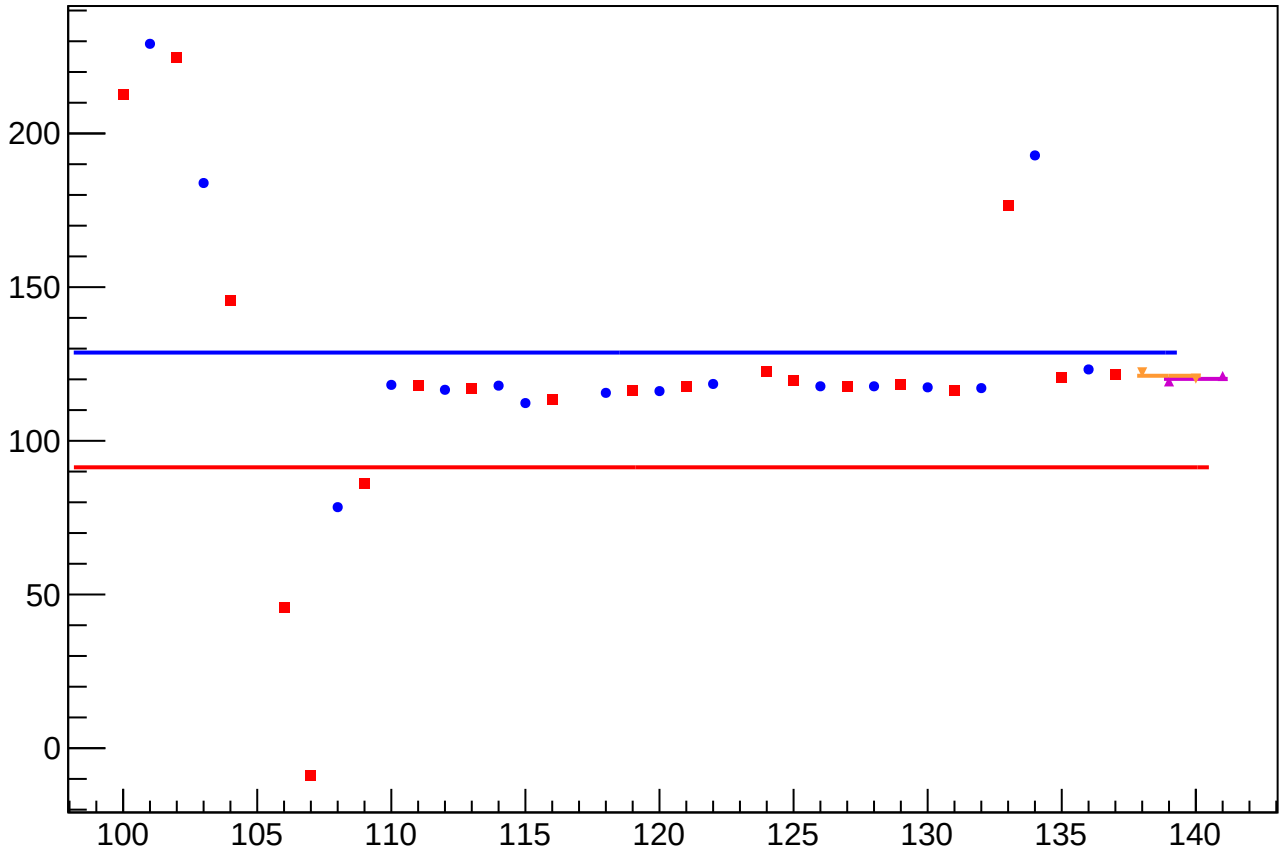
Left: -68.160+/-2.132 χ^2/NDF: 51.8/3

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -85.616+/-1.382 χ^2/NDF:491.8/17

Out: -80.685+/-1.275 χ^2/NDF:720.6/20

All: -82.953+/-0.937 χ^2/NDF: 1219.3/38



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 121.169+/-0.121 χ^2/NDF:72.7/1

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 120.149+/-0.116 χ^2/NDF:56.4/1

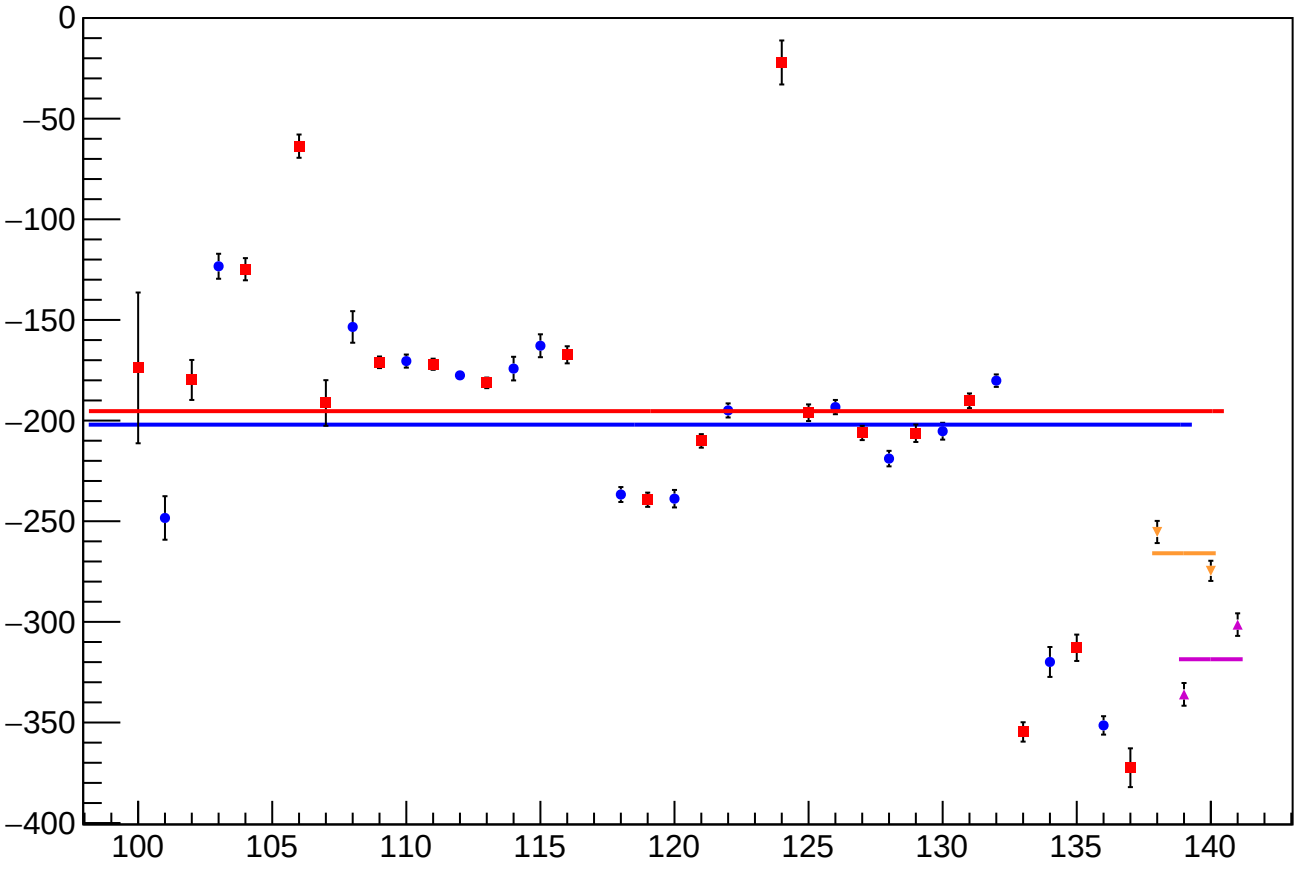
Left: 120.640+/-0.084 χ^2/NDF: 166.1/3

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 125.544+/-0.071 χ^2/NDF:186997.8/17

Out: 100.328+/-0.066 χ^2/NDF:647597.9/20

All: 112.088+/-0.048 χ^2/NDF: 902399.4/38



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -265.915+/-3.705 χ^2/NDF:6.7/1

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -318.568+/-3.979 χ^2/NDF:19.0/1

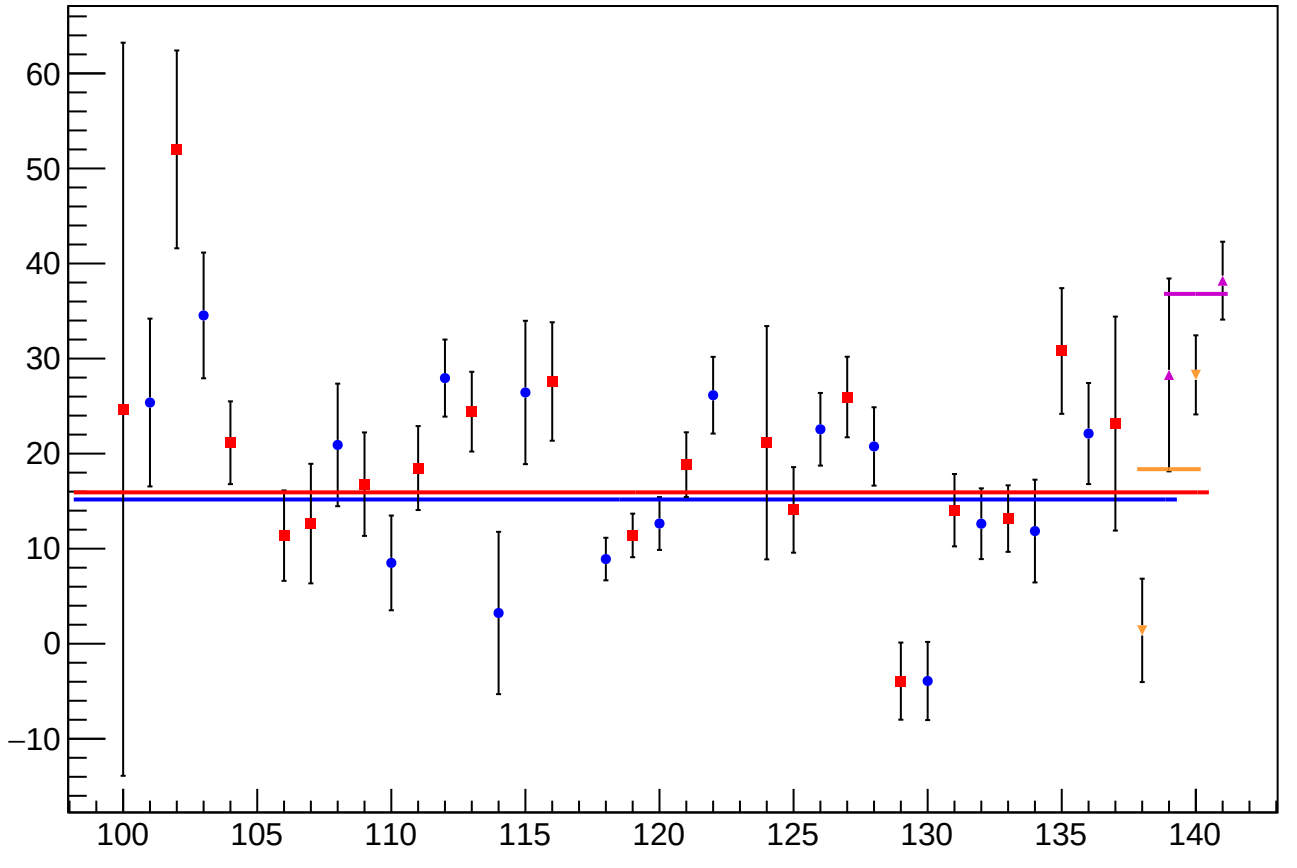
Left: -290.362+/-2.712 χ^2/NDF: 119.5/3

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -209.259+/-0.992 χ^2/NDF:2863.8/17

Out: -199.876+/-0.942 χ^2/NDF:3447.1/20

All: -204.327+/-0.683 χ^2/NDF: 6358.0/38



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 18.361+/-3.304 χ^2/NDF:15.4/1

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 36.805+/-3.800 χ^2/NDF:0.8/1

Left: 26.303+/-2.493 χ^2/NDF: 29.6/3

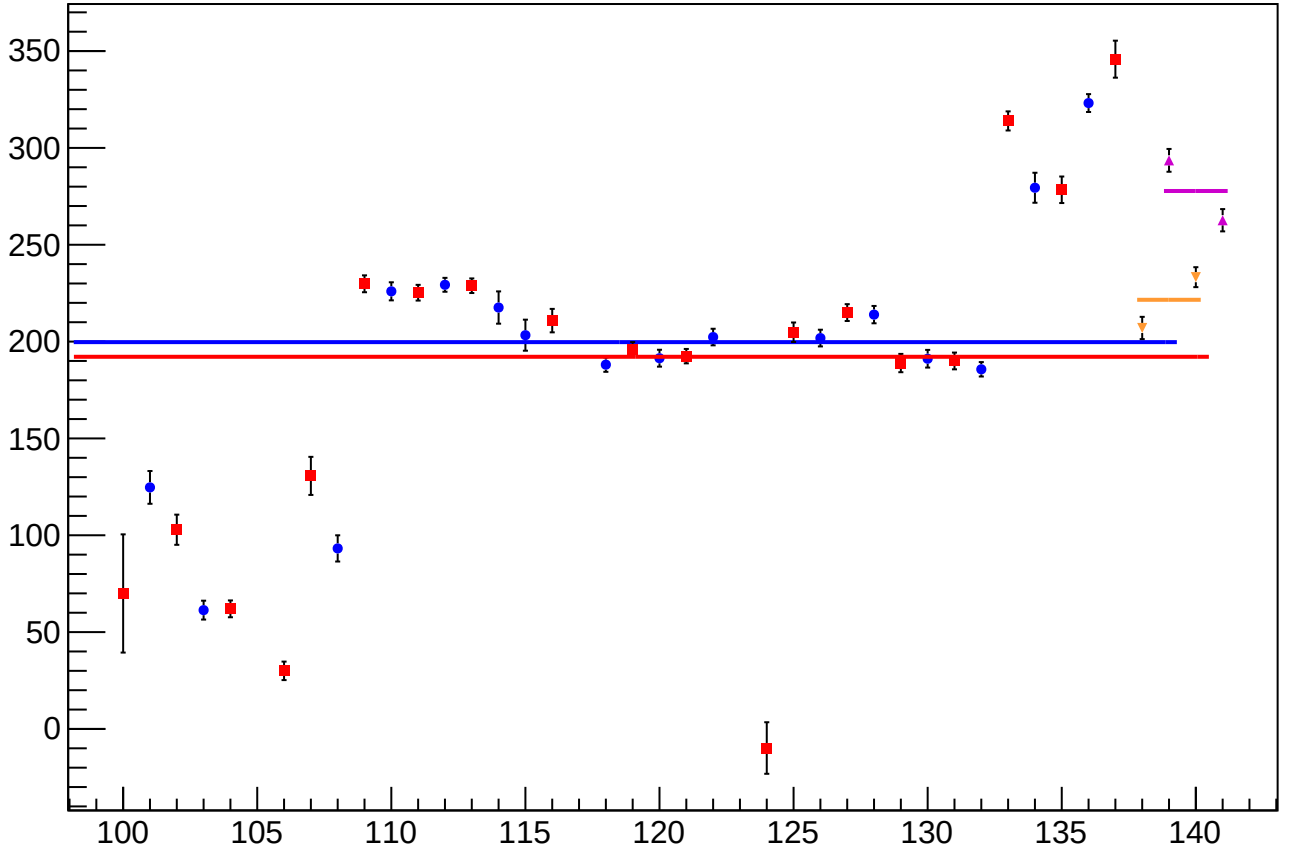
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 16.703+/-1.010 χ^2/NDF:103.3/17

Out: 16.143+/-0.989 χ^2/NDF:79.5/20

All: 16.418+/-0.707 χ^2/NDF: 182.9/38

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 221.581+/-3.834 χ^2/NDF:11.6/1

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 277.757+/-4.115 χ^2/NDF:14.1/1

Left: 247.688+/-2.805 χ^2/NDF: 125.4/3

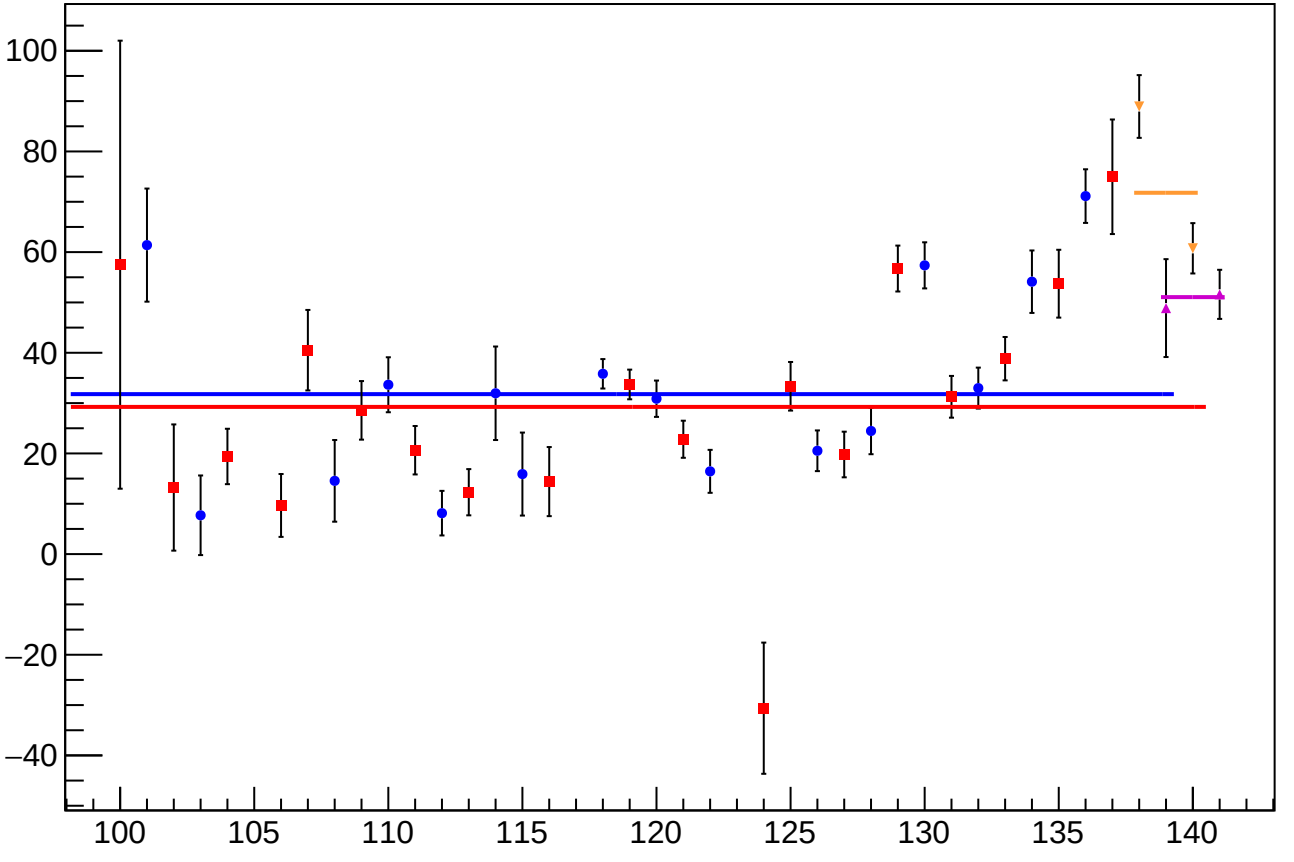
Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 205.797+/-1.148 χ^2/NDF:2447.3/17

Out: 194.586+/-1.102 χ^2/NDF:3842.7/20

All: 199.961+/-0.795 χ^2/NDF: 6339.7/38

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 71.790+/-3.901 χ^2/NDF:12.4/1

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 51.058+/-4.360 χ^2/NDF:0.1/1

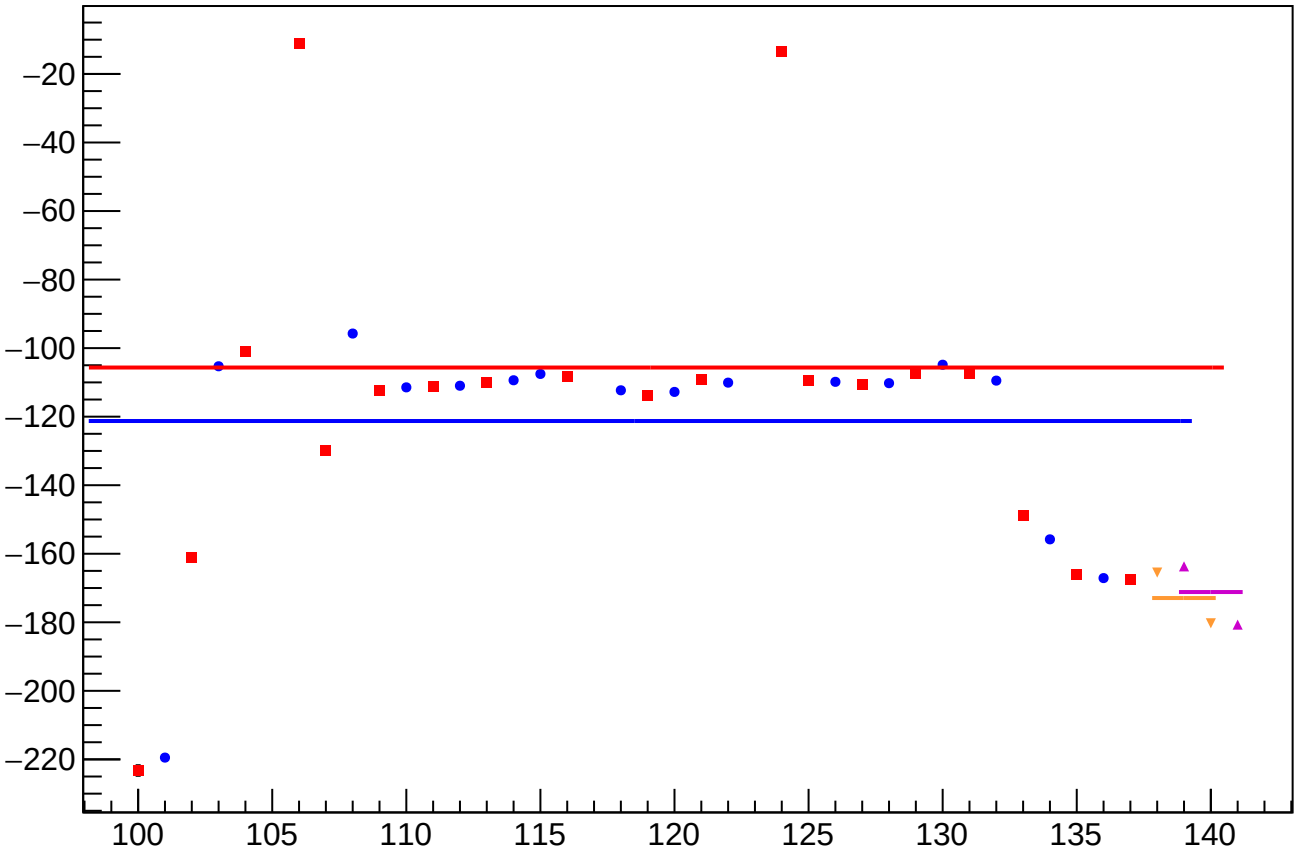
Left: 62.574+/-2.907 χ^2/NDF: 25.1/3

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 33.174+/-1.172 χ^2/NDF:195.2/17

Out: 32.904+/-1.144 χ^2/NDF:262.1/20

All: 33.036+/-0.819 χ^2/NDF: 457.3/38



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -172.920+/-0.163 χ^2/NDF:2067.2/1

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -171.171+/-0.157 χ^2/NDF:2898.6/1

Left: -172.012+/-0.113 χ^2/NDF: 5025.6/3

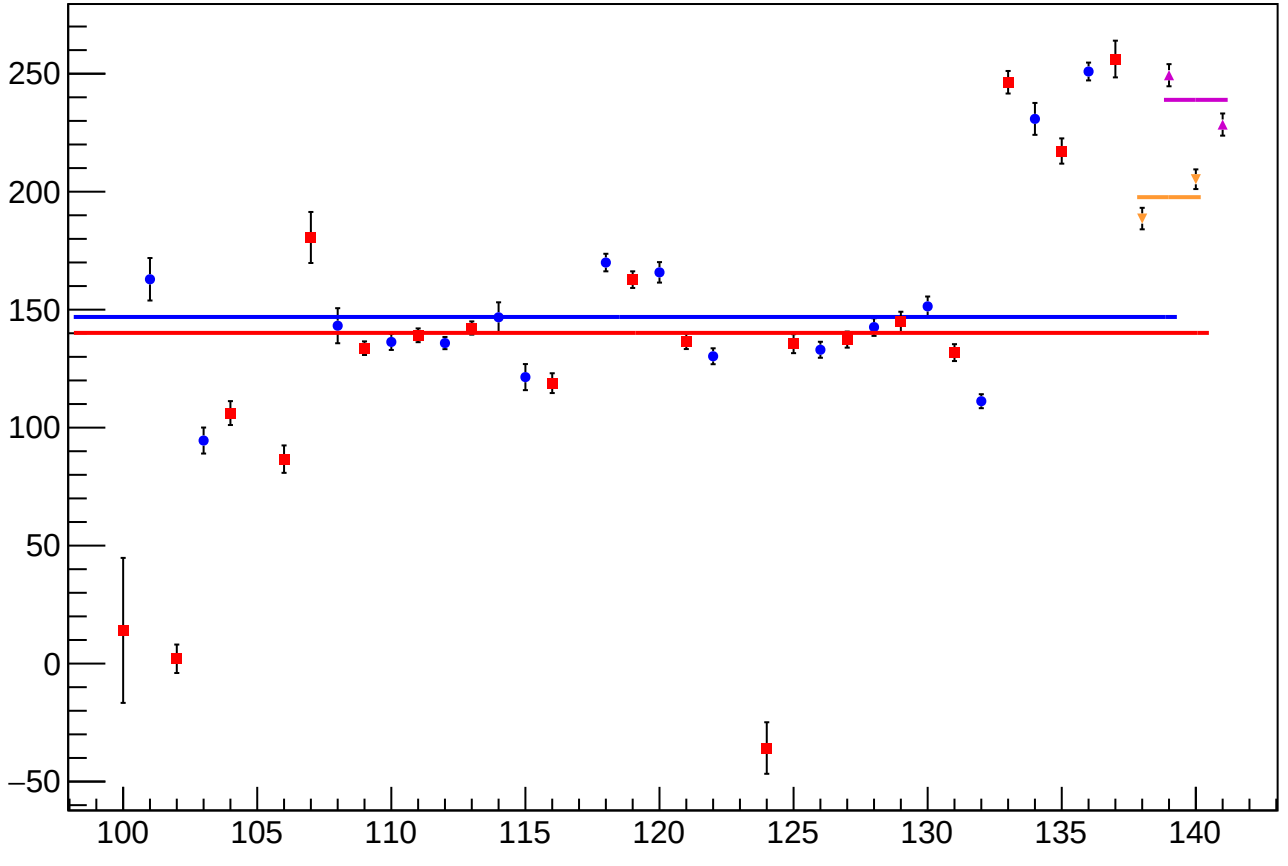
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -131.424+/-0.071 χ^2/NDF:203050.0/17

Out: -117.360+/-0.068 χ^2/NDF:498174.1/20

All: -124.108+/-0.049 χ^2/NDF: 721808.9/38

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 197.678+/-3.076 χ^2/NDF:7.3/1

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 238.922+/-3.318 χ^2/NDF:9.9/1

Left: 216.739+/-2.256 χ^2/NDF: 100.3/3

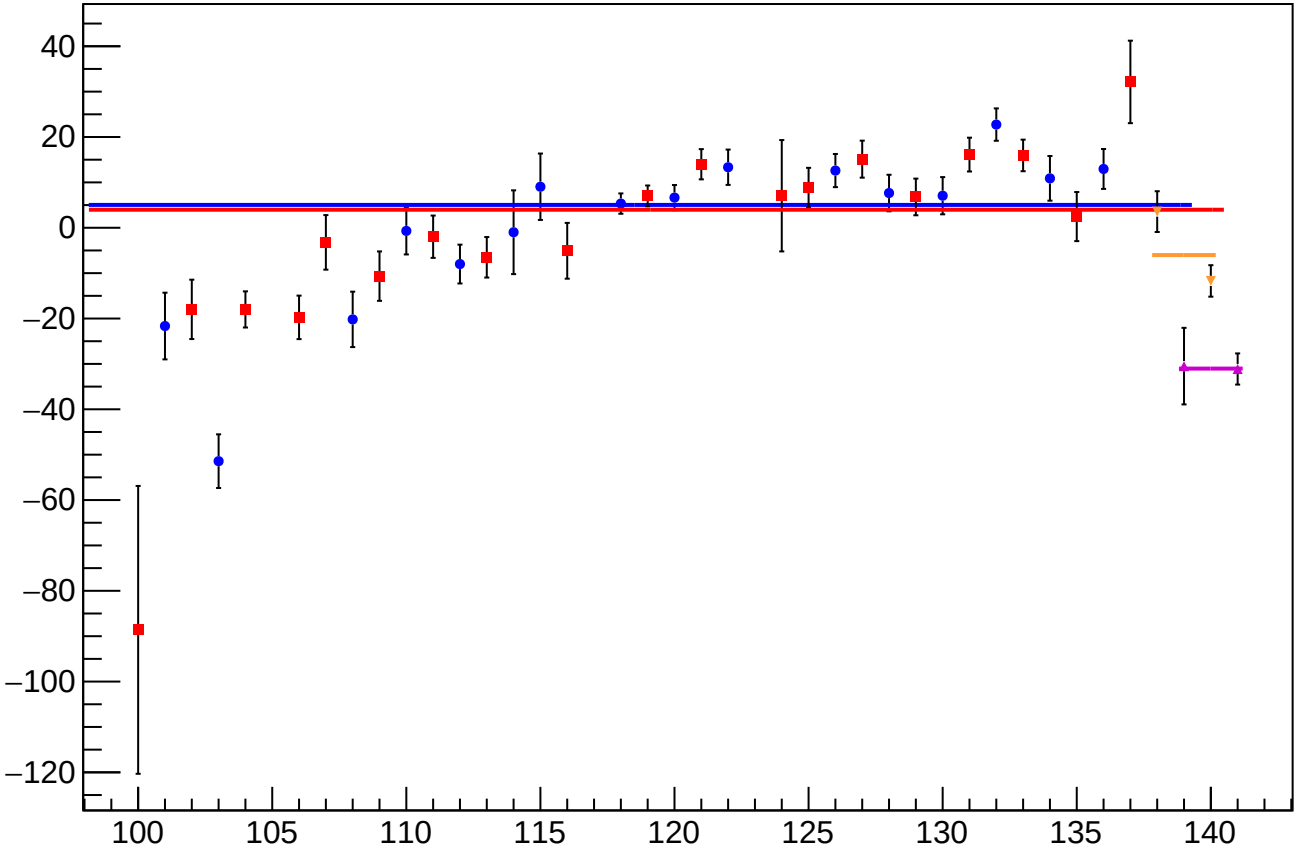
Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 154.613+/-0.960 χ^2/NDF:2016.5/17

Out: 145.260+/-0.916 χ^2/NDF:2276.6/20

All: 149.717+/-0.663 χ^2/NDF: 4342.7/38

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -6.015+/-2.745 χ^2/NDF:7.2/1

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -31.032+/-3.180 χ^2/NDF:0.0/1

Left: -16.696+/-2.078 χ^2/NDF: 42.7/3

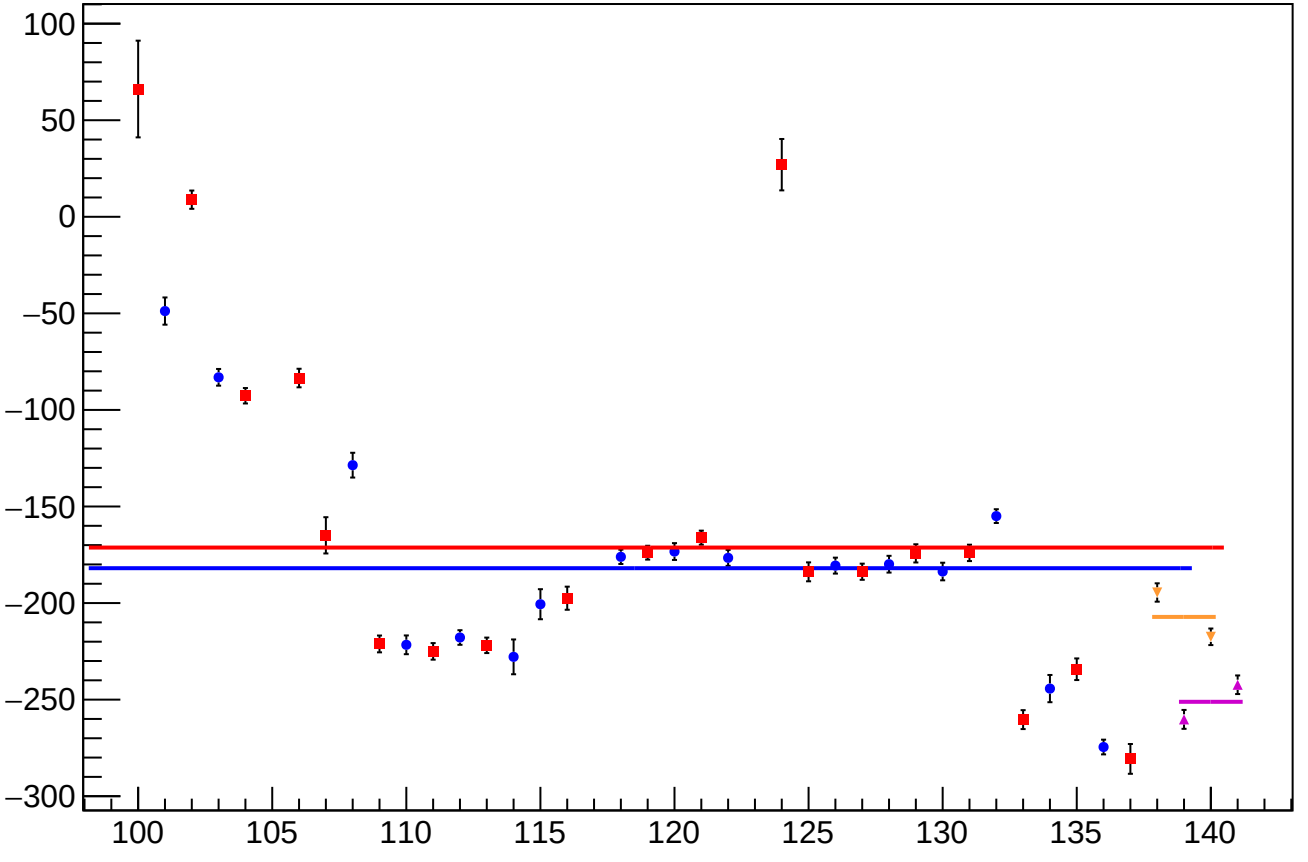
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 1.668+/-0.972 χ^2/NDF:288.5/17

Out: 2.779+/-0.949 χ^2/NDF:163.8/20

All: 2.237+/-0.679 χ^2/NDF: 452.9/38

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -207.174+/-3.184 χ^2/NDF:12.8/1

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -251.129+/-3.431 χ^2/NDF:6.8/1

Left: -227.508+/-2.334 χ^2/NDF: 107.8/3

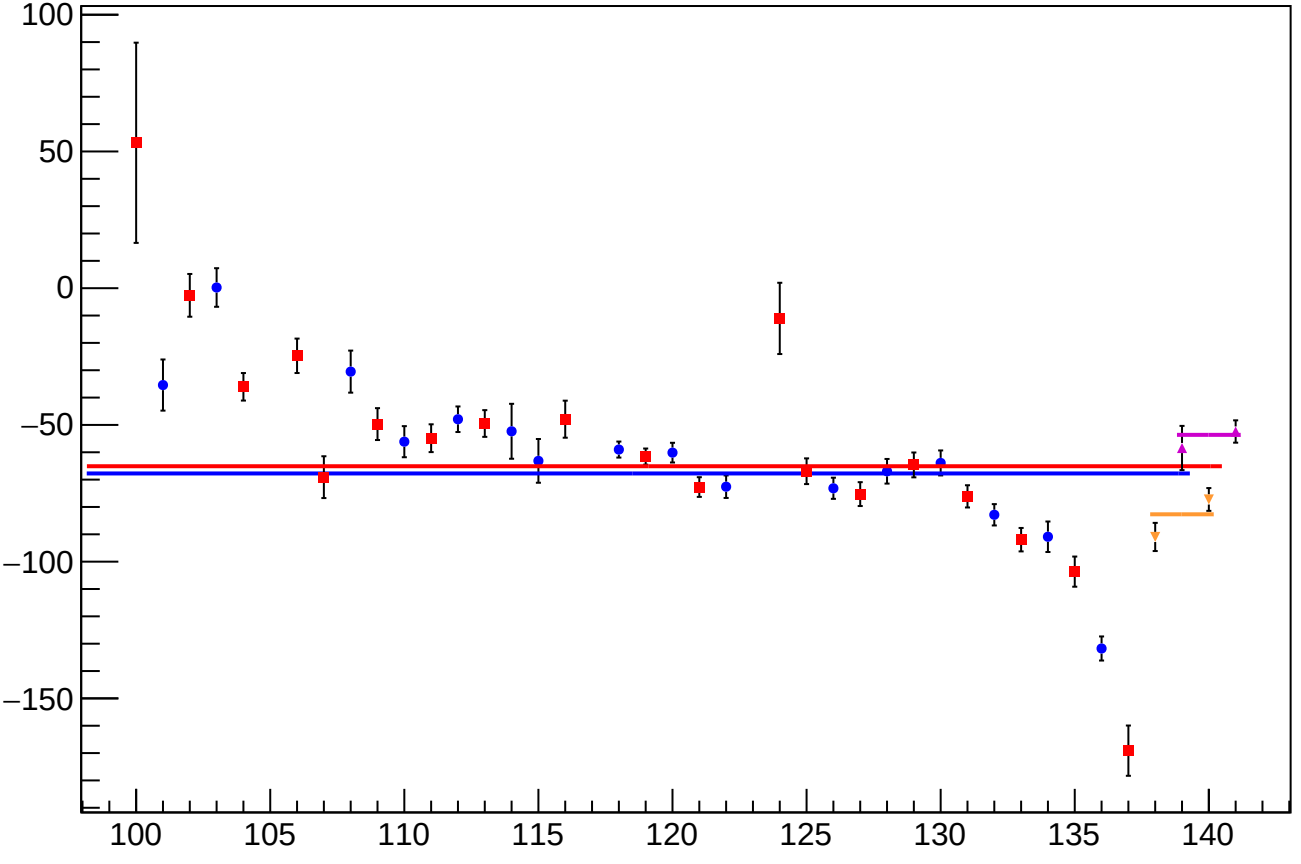
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -188.976+/-1.094 χ^2/NDF:2242.5/17

Out: -175.161+/-1.049 χ^2/NDF:3754.4/20

All: -181.780+/-0.757 χ^2/NDF: 6080.0/38

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -82.682+/-3.240 χ^2/NDF:4.3/1

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -53.632+/-3.647 χ^2/NDF:0.4/1

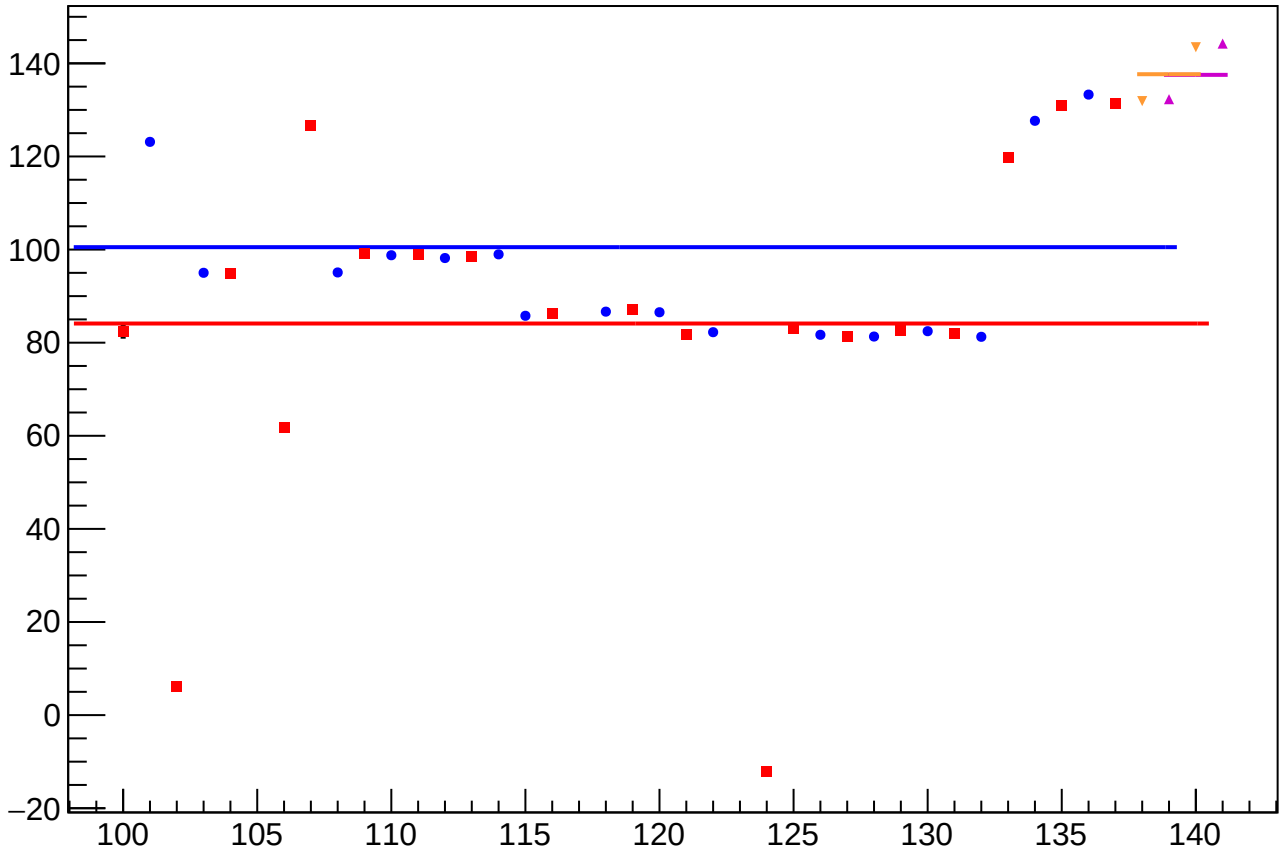
Left: -69.869+/-2.422 χ^2/NDF: 40.2/3

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -66.406+/-1.124 χ^2/NDF:428.0/17

Out: -67.122+/-1.098 χ^2/NDF:459.4/20

All: -66.772+/-0.785 χ^2/NDF: 887.6/38



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 137.667+/-0.135 χ^2/NDF:1835.2/1

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 137.530+/-0.131 χ^2/NDF:2054.3/1

Left: 137.596+/-0.094 χ^2/NDF: 3890.1/3

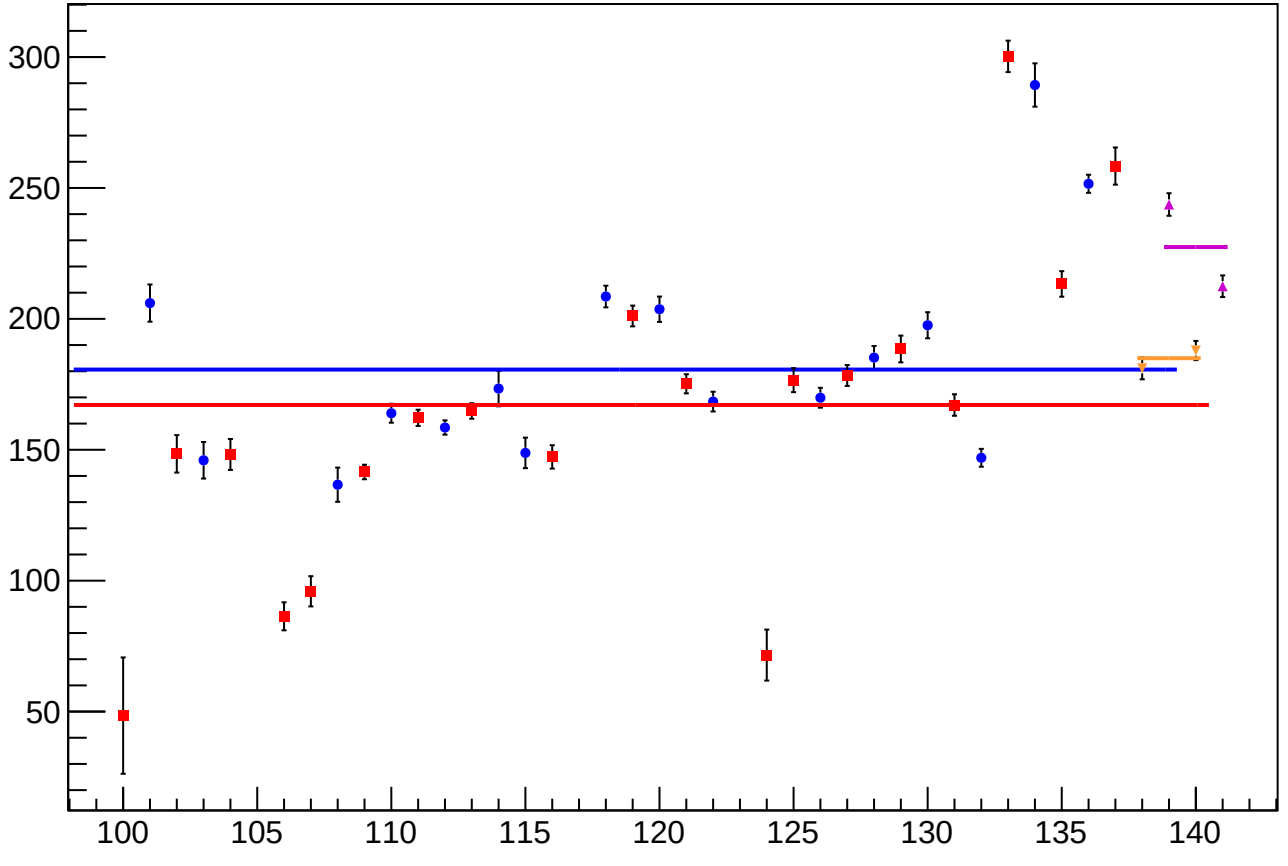
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 109.495+/-0.064 χ^2/NDF:130262.5/17

Out: 95.253+/-0.062 χ^2/NDF:390147.6/20

All: 102.060+/-0.045 χ^2/NDF: 545964.9/38

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 184.978+/-2.763 χ^2/NDF:1.5/1

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 227.422+/-2.984 χ^2/NDF:27.3/1

Left: 204.573+/-2.027 χ^2/NDF: 137.7/3

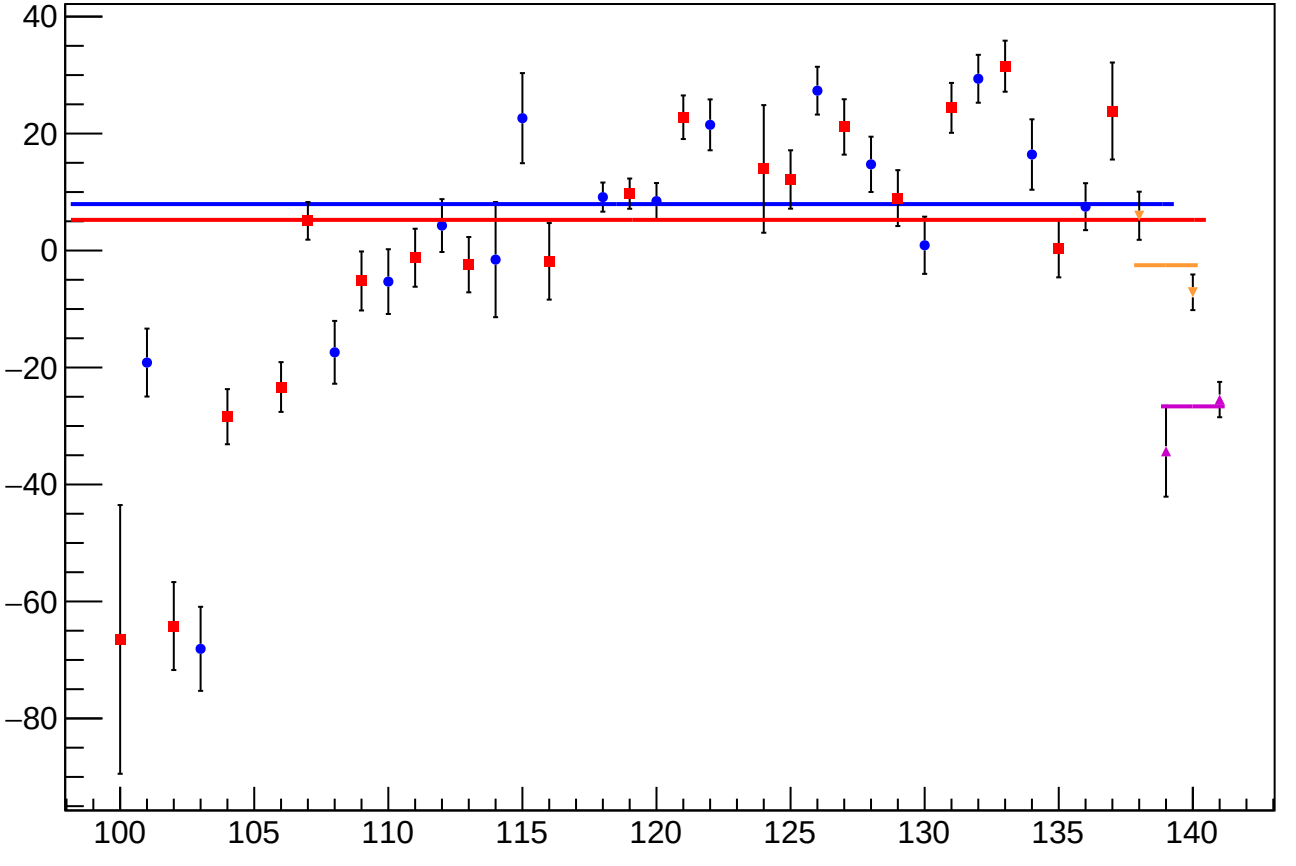
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 186.140+/-1.024 χ^2/NDF:1237.7/17

Out: 169.248+/-0.958 χ^2/NDF:1522.9/20

All: 177.132+/-0.699 χ^2/NDF: 2905.8/38

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.506+/-2.448 χ^2/NDF:6.5/1

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -26.643+/-2.816 χ^2/NDF:1.1/1

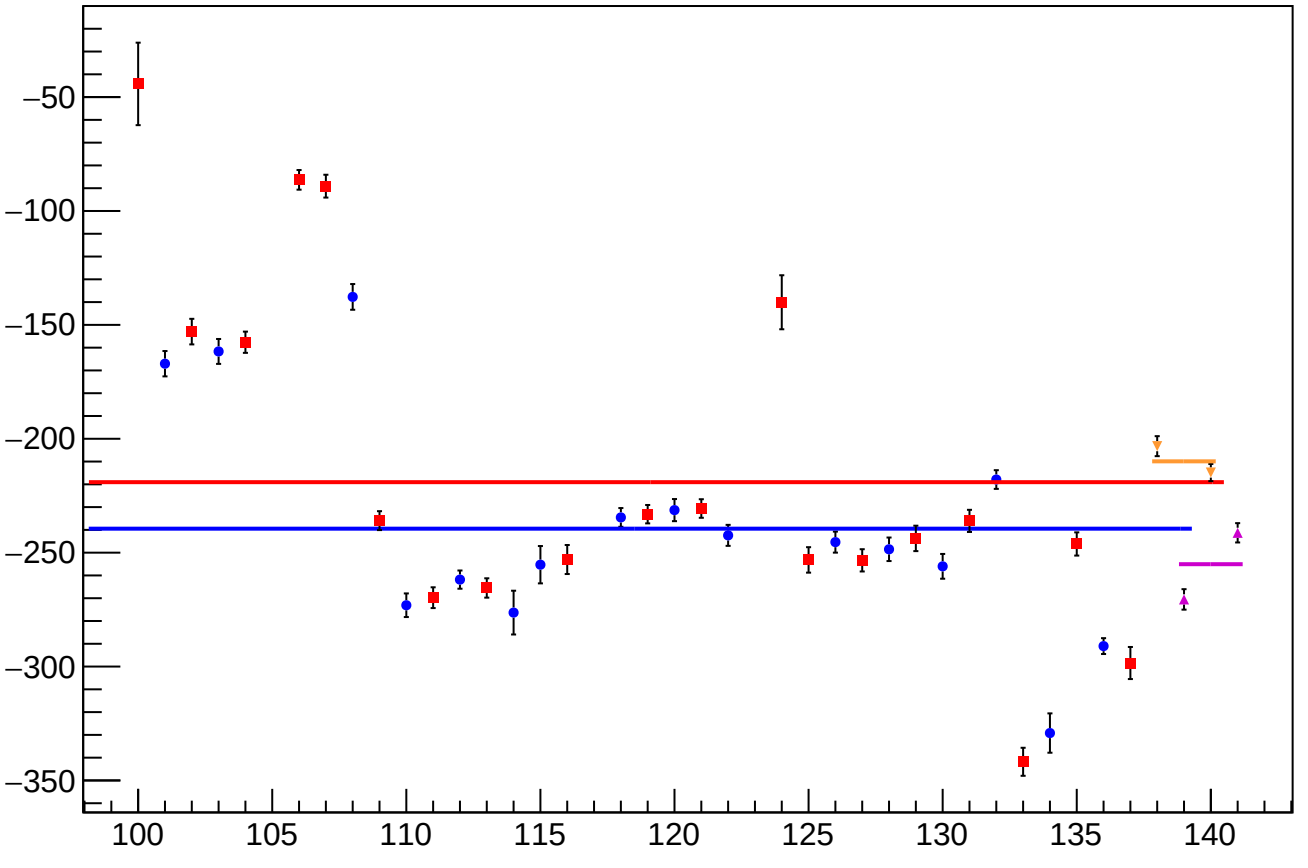
Left: -12.896+/-1.847 χ^2/NDF: 49.5/3

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.267+/-1.035 χ^2/NDF:364.5/17

Out: 4.016+/-0.974 χ^2/NDF:317.9/20

All: 3.664+/-0.710 χ^2/NDF: 682.7/38



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.912+/-2.859 χ^2/NDF:4.0/1

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -255.062+/-3.084 χ^2/NDF:22.4/1

Left: -230.779+/-2.097 χ^2/NDF: 141.7/3

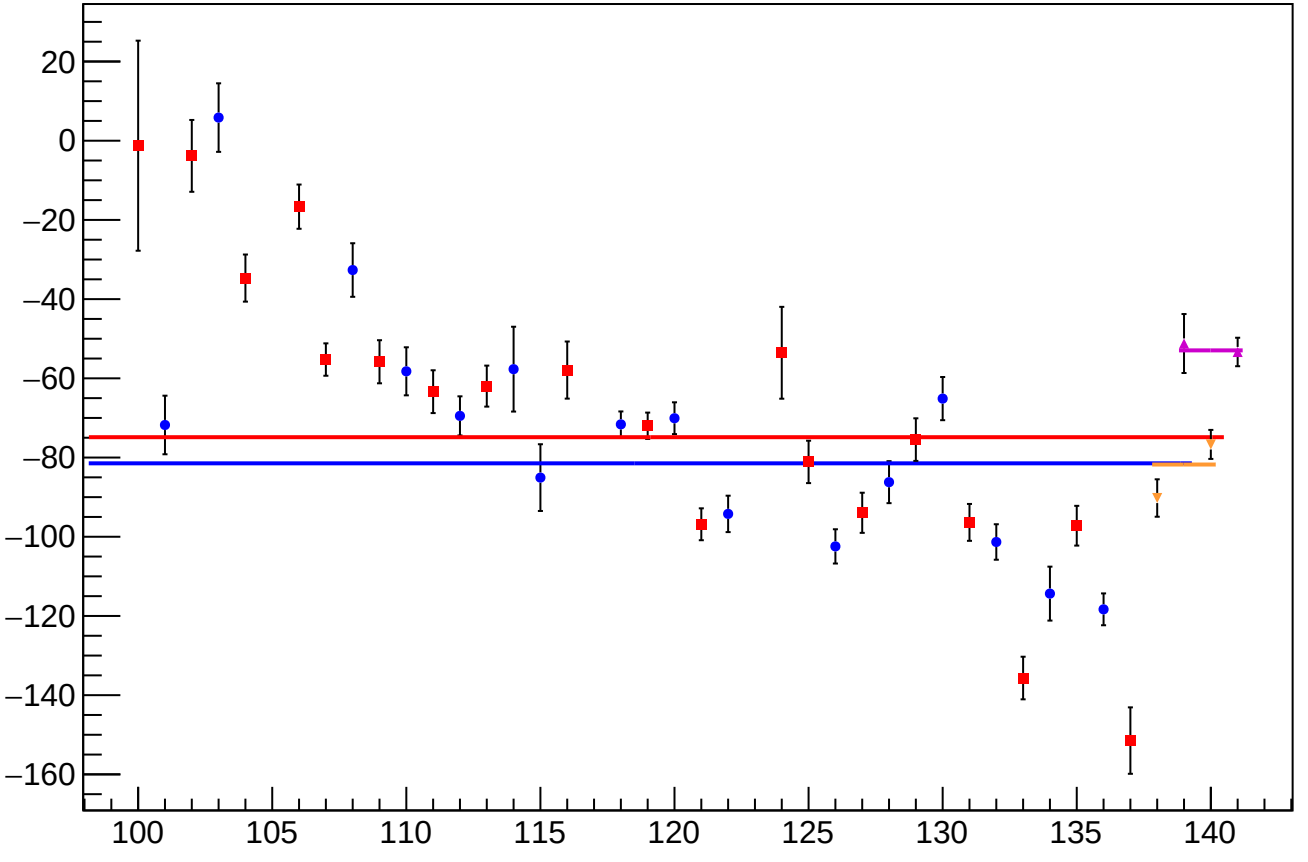
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.655+/-1.155 χ^2/NDF:1206.6/17

Out: -217.729+/-1.088 χ^2/NDF:3062.0/20

All: -228.978+/-0.792 χ^2/NDF: 4496.1/38

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -81.762+/-2.895 χ^2/NDF:5.1/1

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -52.941+/-3.238 χ^2/NDF:0.1/1

Left: -68.961+/-2.158 χ^2/NDF: 49.2/3

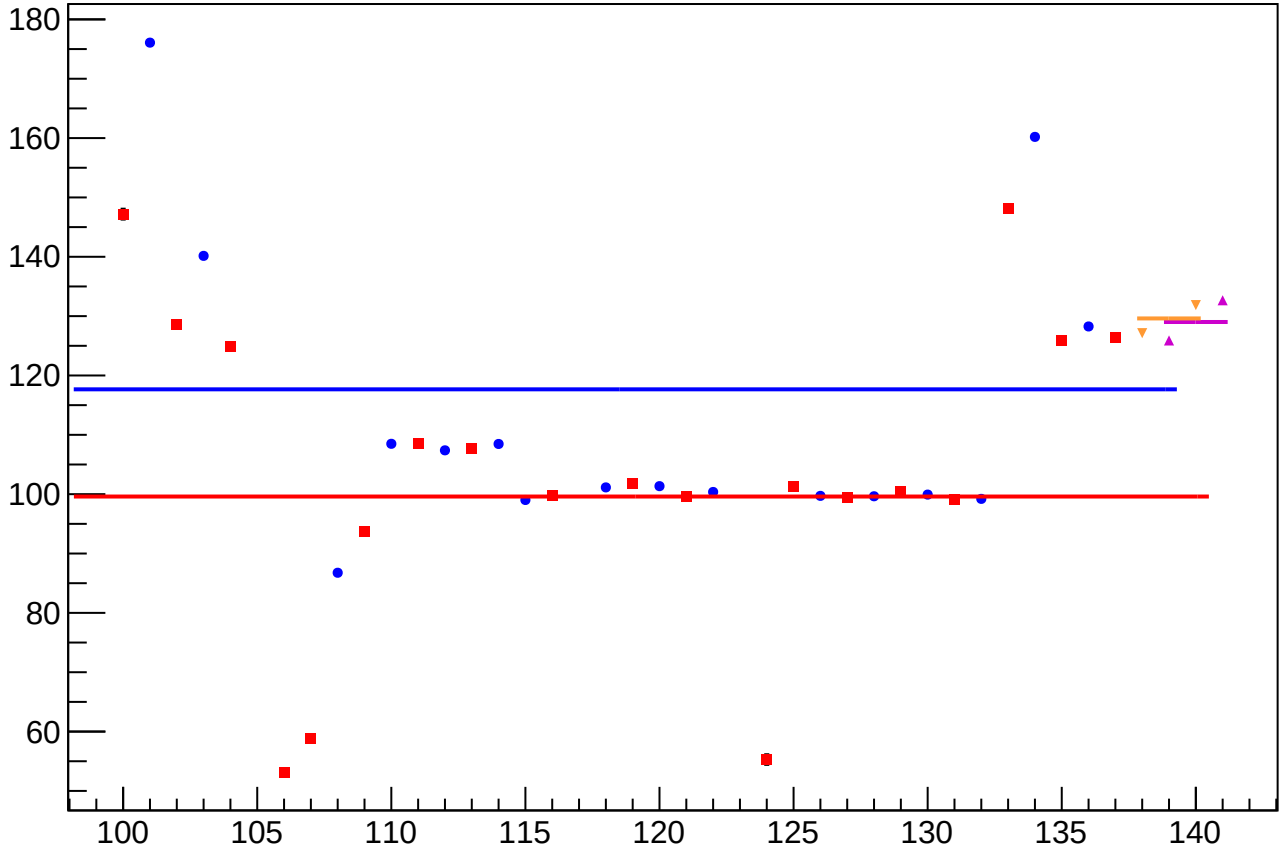
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.572+/-1.196 χ^2/NDF:433.5/17

Out: -75.916+/-1.132 χ^2/NDF:586.6/20

All: -76.699+/-0.822 χ^2/NDF: 1021.1/38

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 129.612+/-0.122 χ^2/NDF:376.1/1

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.012+/-0.118 χ^2/NDF:818.0/1

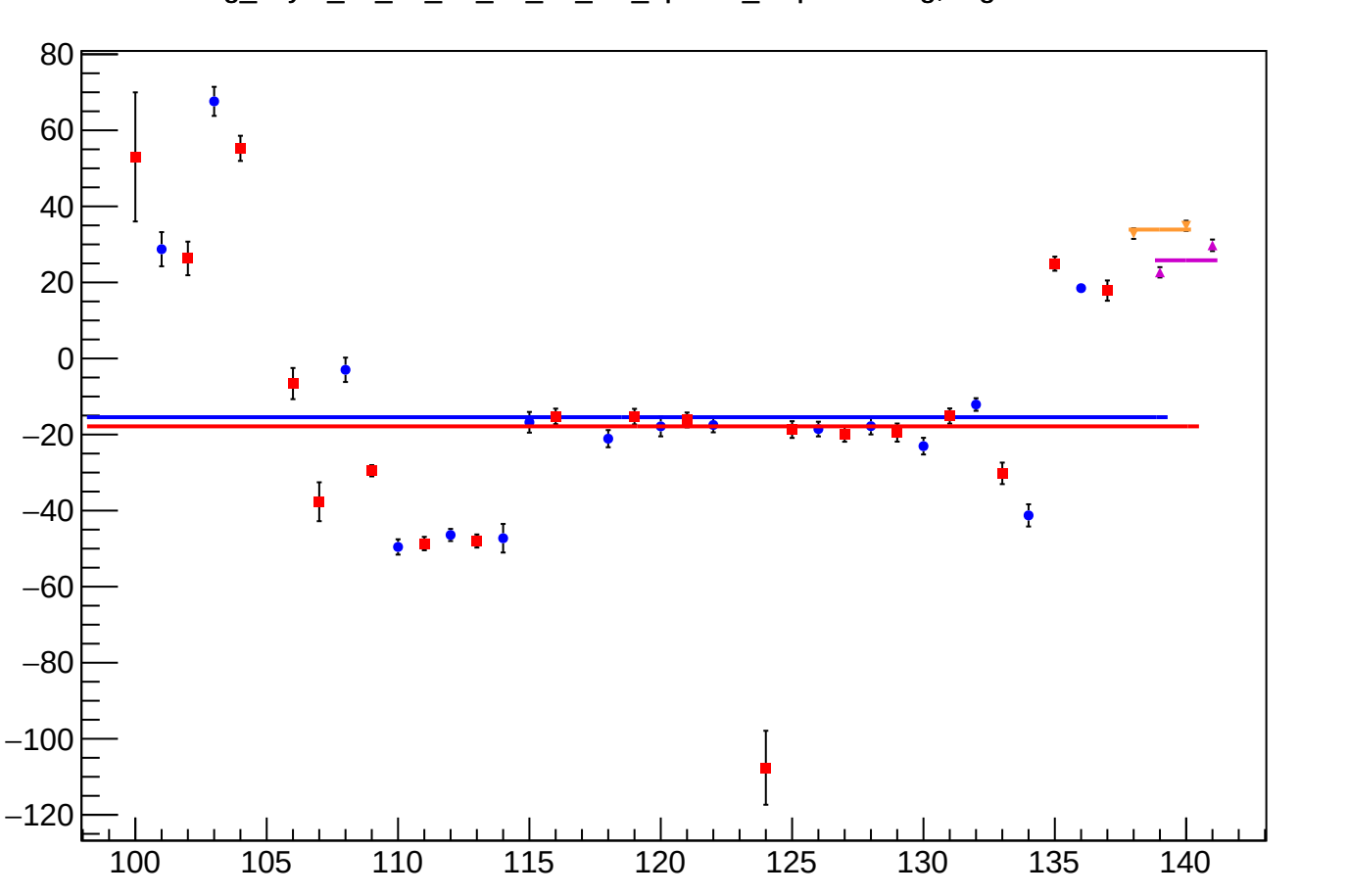
Left: 129.303+/-0.085 χ^2/NDF: 1206.6/3

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.133+/-0.065 χ^2/NDF:102638.7/17

Out: 107.103+/-0.061 χ^2/NDF:212140.9/20

All: 113.637+/-0.045 χ^2/NDF: 339507.0/38



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 33.898+/-0.963 χ^2/NDF:1.1/1

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.816+/-1.011 χ^2/NDF:12.2/1

Left: 30.053+/-0.698 χ^2/NDF: 46.8/3

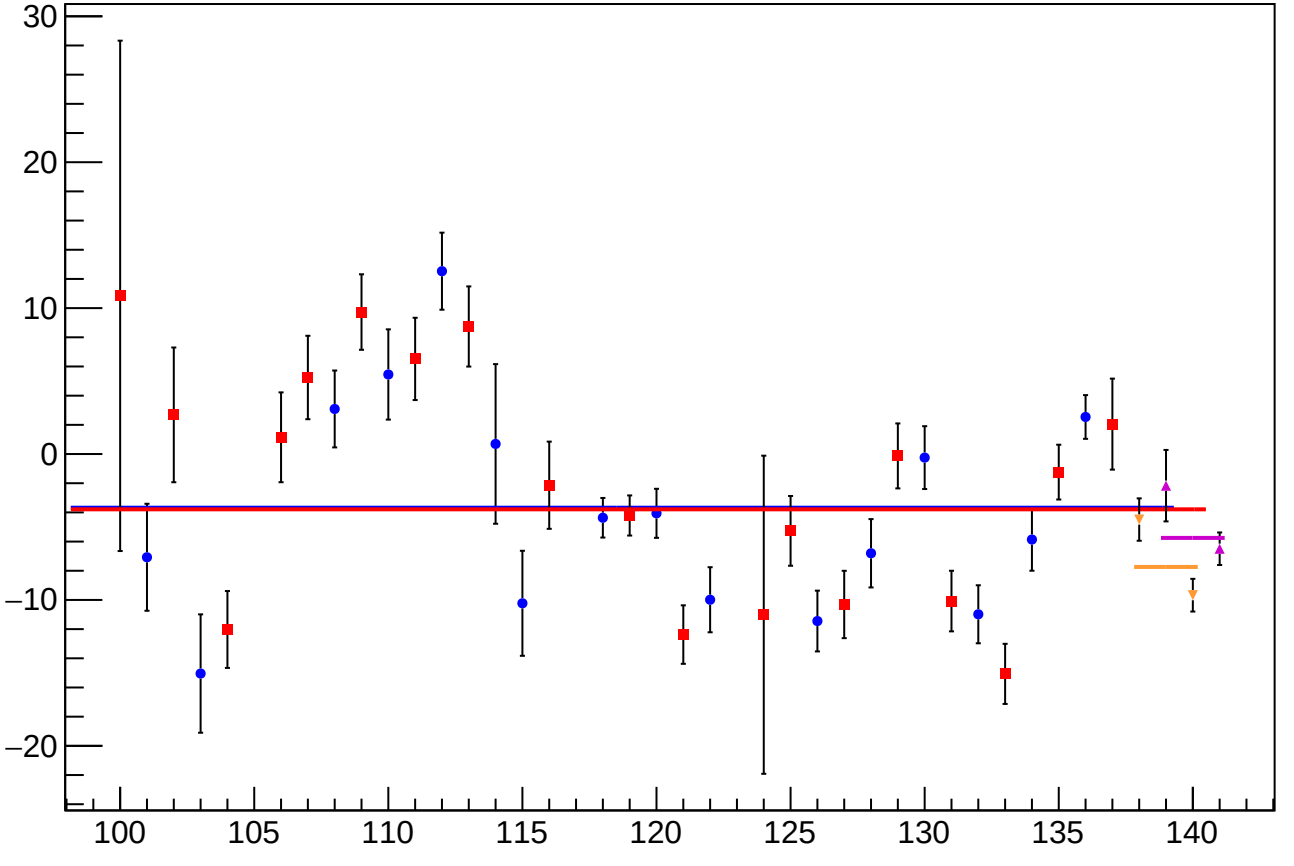
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -6.311+/-0.476 χ^2/NDF:3432.3/17

Out: -5.840+/-0.464 χ^2/NDF:4341.4/20

All: -6.070+/-0.332 χ^2/NDF: 7774.2/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -7.739+/-0.888 χ^2/NDF:8.0/1

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -5.748+/-1.015 χ^2/NDF:2.6/1

Left: -6.876+/-0.668 χ^2/NDF: 12.7/3

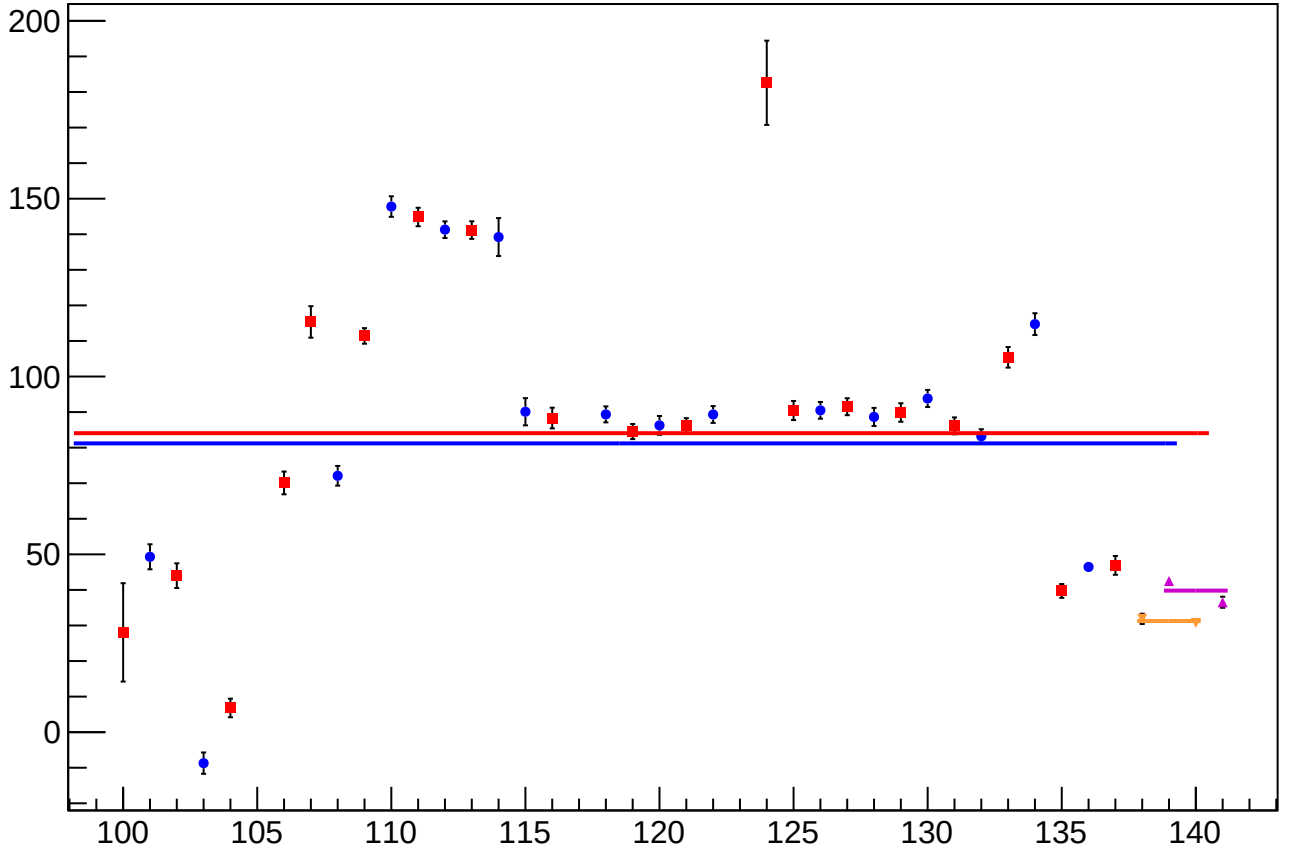
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -4.152+/-0.485 χ^2/NDF:129.8/17

Out: -4.925+/-0.476 χ^2/NDF:183.3/20

All: -4.546+/-0.340 χ^2/NDF: 314.4/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 31.259+/-0.998 χ^2/NDF:0.3/1

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.803+/-1.047 χ^2/NDF:8.1/1

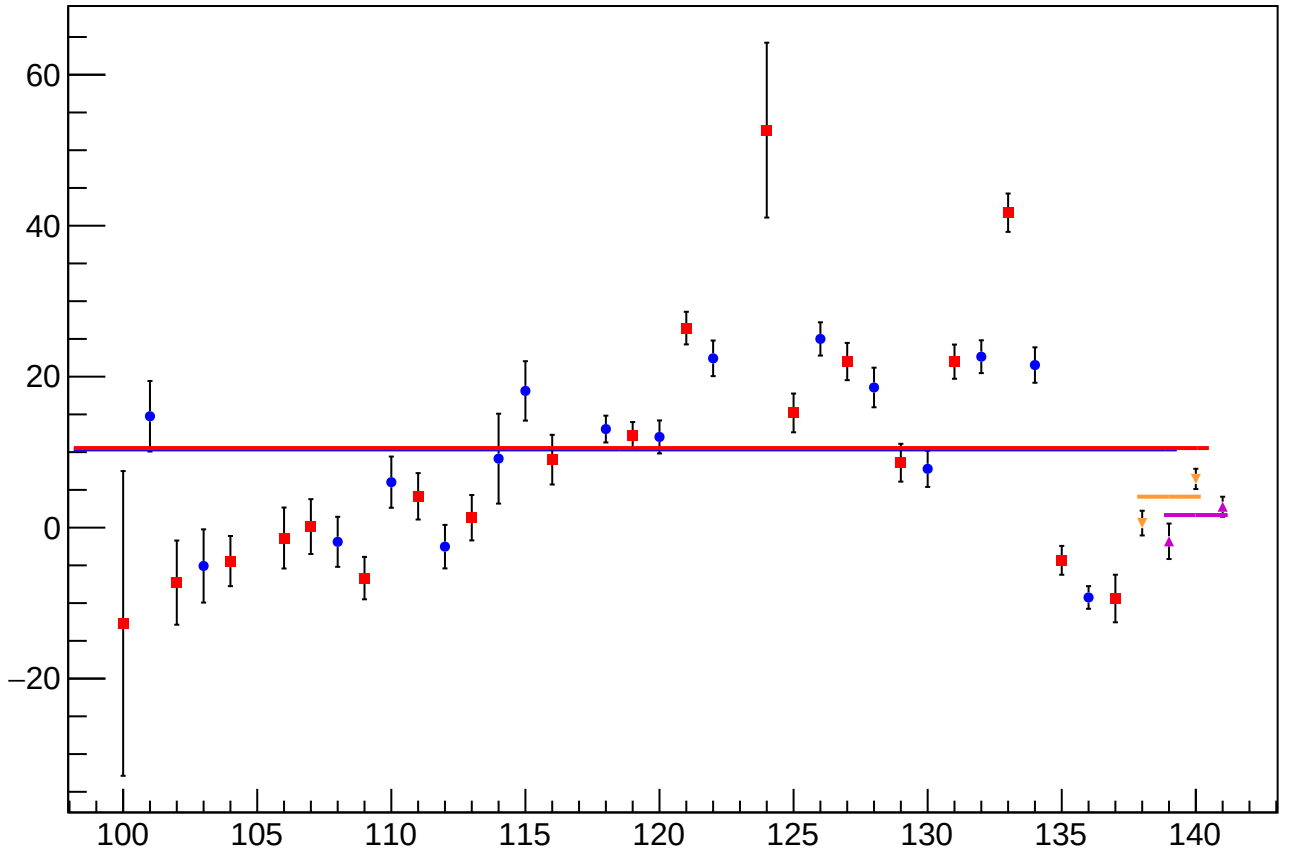
Left: 35.328+/-0.722 χ^2/NDF: 43.3/3

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 70.780+/-0.525 χ^2/NDF:4409.5/17

Out: 69.490+/-0.524 χ^2/NDF:5233.4/20

All: 70.134+/-0.371 χ^2/NDF: 9645.9/38



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 4.100+/-1.038 χ^2/NDF:7.7/1

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.668+/-1.152 χ^2/NDF:2.9/1

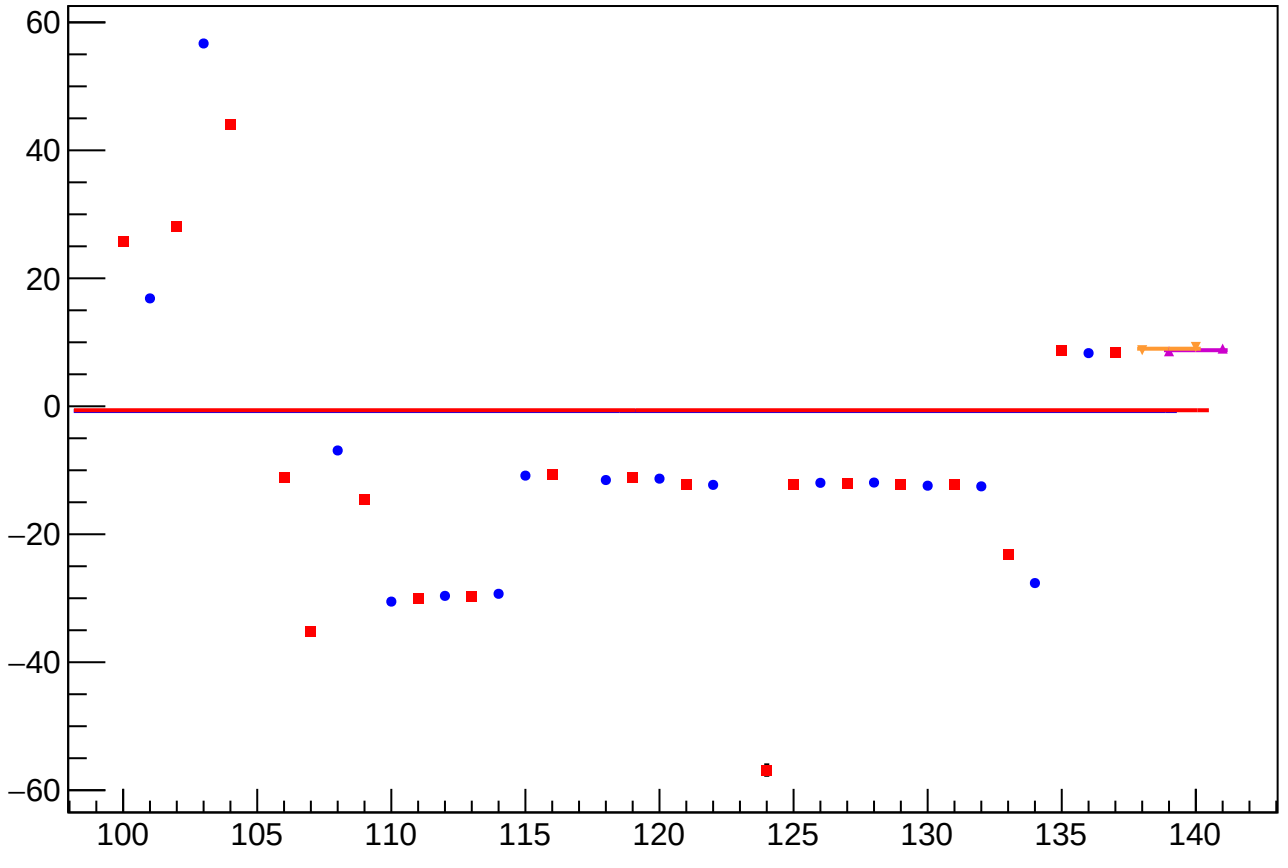
Left: 3.011+/-0.771 χ^2/NDF: 13.0/3

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 8.381+/-0.550 χ^2/NDF:406.7/17

Out: 8.764+/-0.545 χ^2/NDF:506.3/20

All: 8.575+/-0.387 χ^2/NDF: 913.2/38



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 9.000+/-0.042 χ^2/NDF:37.6/1

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.764+/-0.039 χ^2/NDF:26.2/1

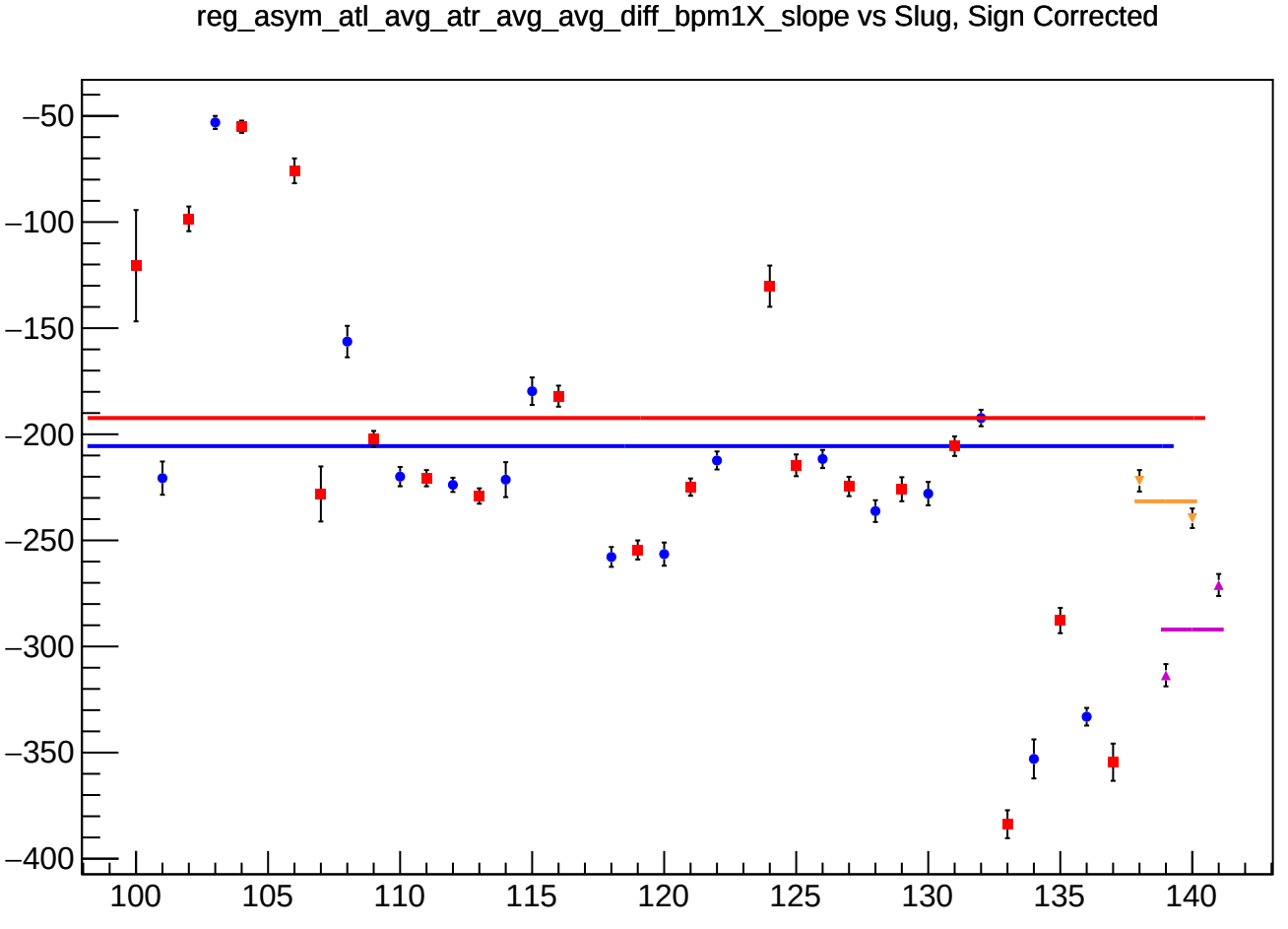
Left: 8.875+/-0.029 χ^2/NDF: 80.7/3

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.554+/-0.027 χ^2/NDF:399775.3/17

Out: 3.664+/-0.028 χ^2/NDF:346085.4/20

All: 3.607+/-0.019 χ^2/NDF: 745868.8/38



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -231.596+/-3.407 χ^2/NDF:6.6/1

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -292.016+/-3.685 χ^2/NDF:33.3/1

Left: -259.448+/-2.502 χ^2/NDF: 184.9/3

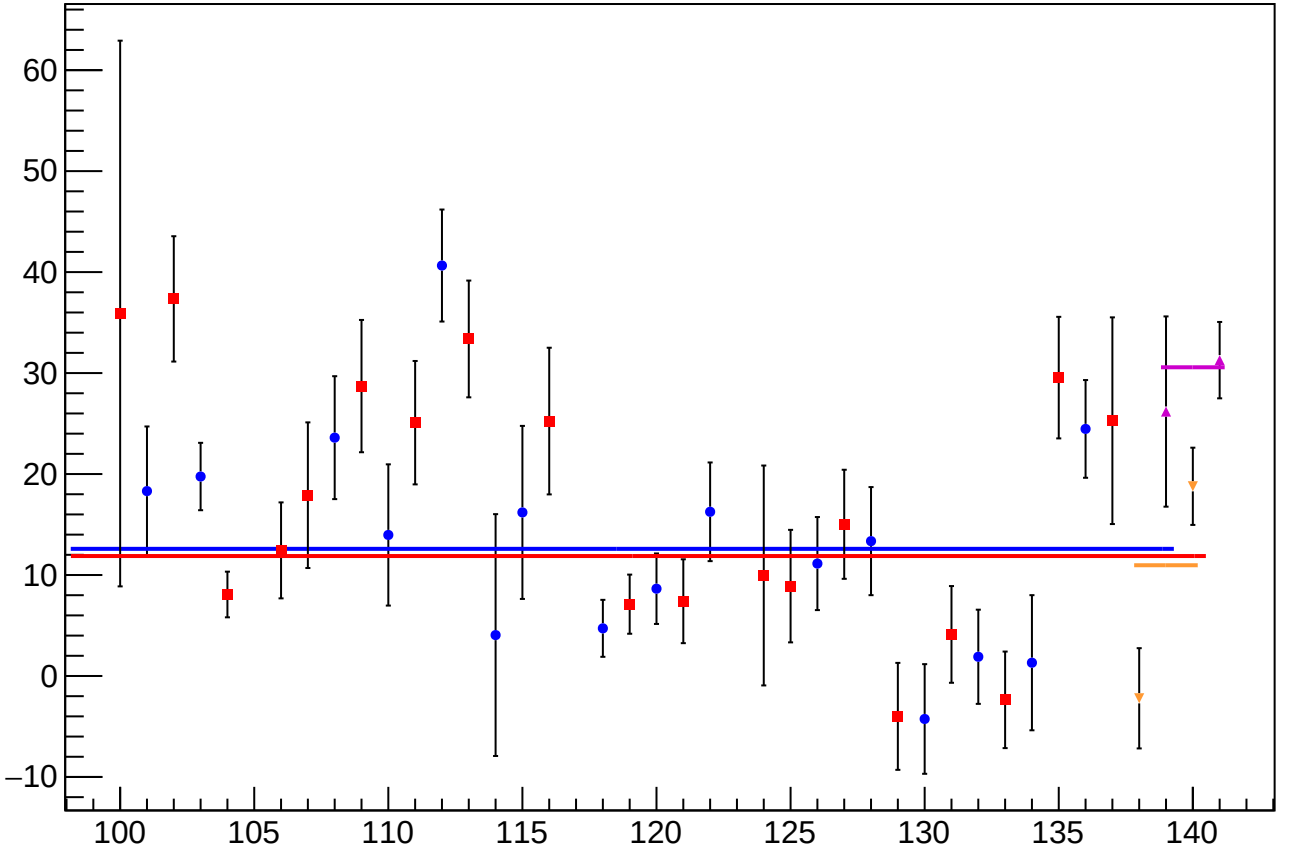
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -213.676+/-1.128 χ^2/NDF:4588.1/17

Out: -196.188+/-1.066 χ^2/NDF:5096.2/20

All: -204.441+/-0.775 χ^2/NDF: 9811.3/38

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 10.967+/-3.030 χ^2/NDF:11.2/1

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 30.573+/-3.510 χ^2/NDF:0.3/1

Left: 19.338+/-2.293 χ^2/NDF: 29.4/3

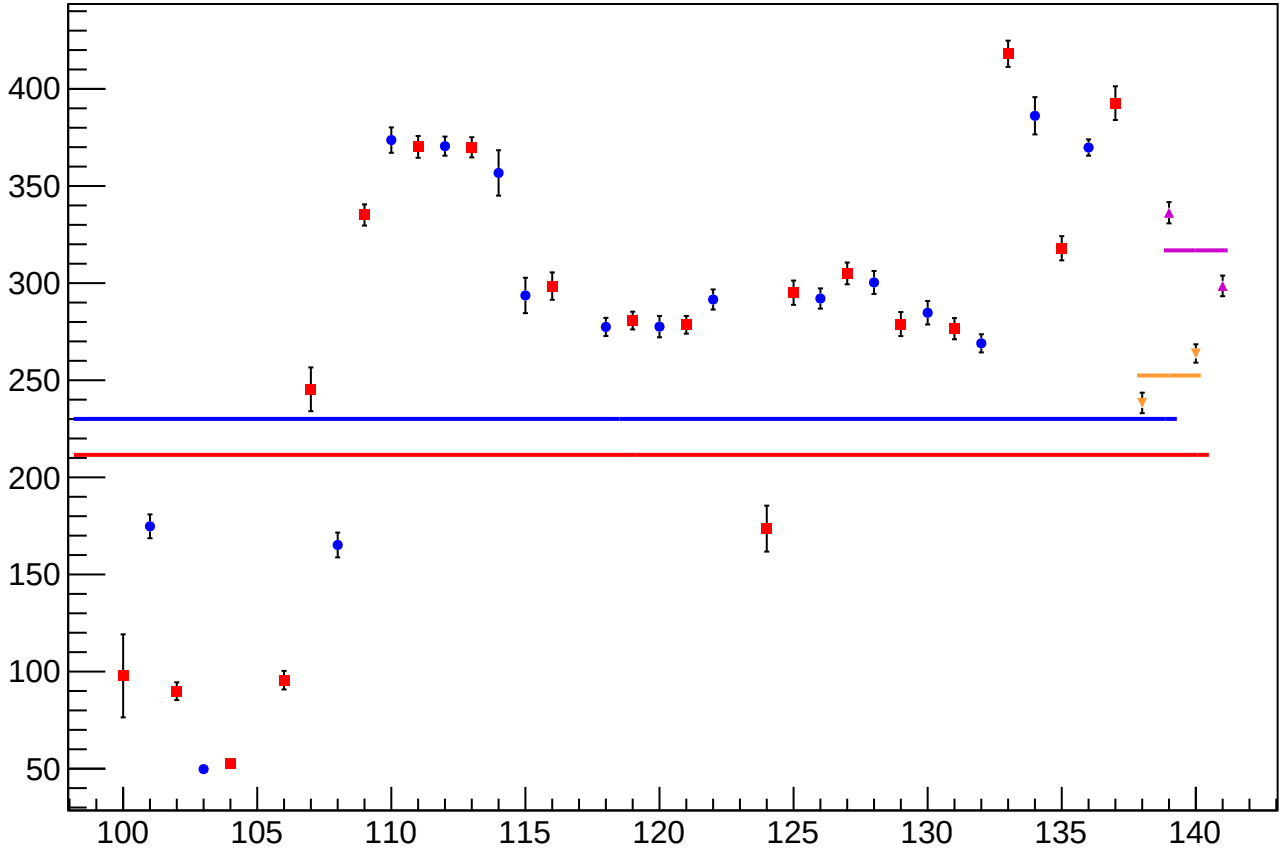
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 14.482+/-1.138 χ^2/NDF:92.2/17

Out: 11.770+/-1.052 χ^2/NDF:96.2/20

All: 13.020+/-0.772 χ^2/NDF: 191.5/38

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 252.447+/-3.526 χ^2/NDF:12.9/1

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 316.864+/-3.810 χ^2/NDF:24.4/1

Left: 282.169+/-2.588 χ^2/NDF: 191.3/3

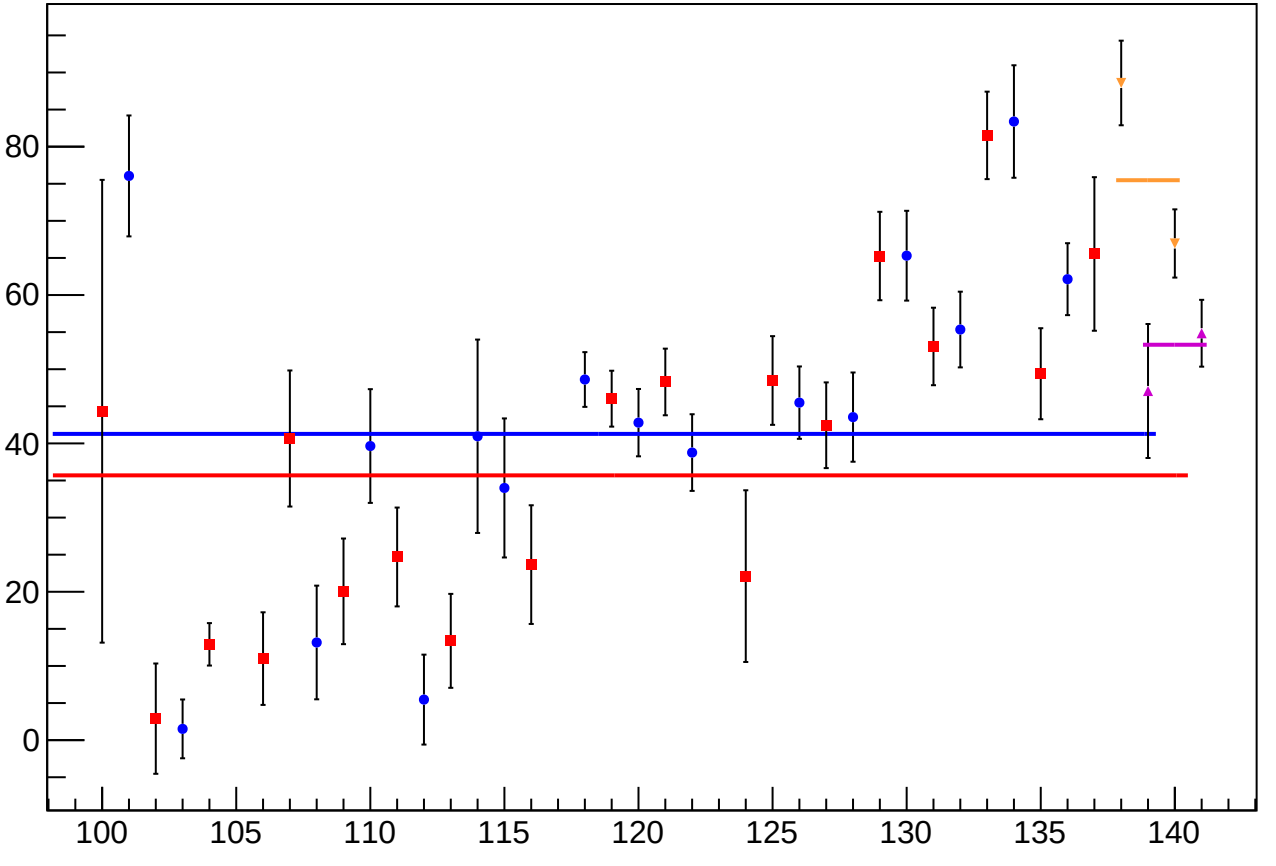
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 238.645+/-1.196 χ^2/NDF:9867.6/17

Out: 215.799+/-1.132 χ^2/NDF:11605.4/20

All: 226.595+/-0.822 χ^2/NDF: 21665.5/38

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 75.478+/-3.580 χ^2/NDF:8.7/1

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 53.299+/-4.030 χ^2/NDF:0.6/1

Left: 65.697+/-2.676 χ^2/NDF: 26.2/3

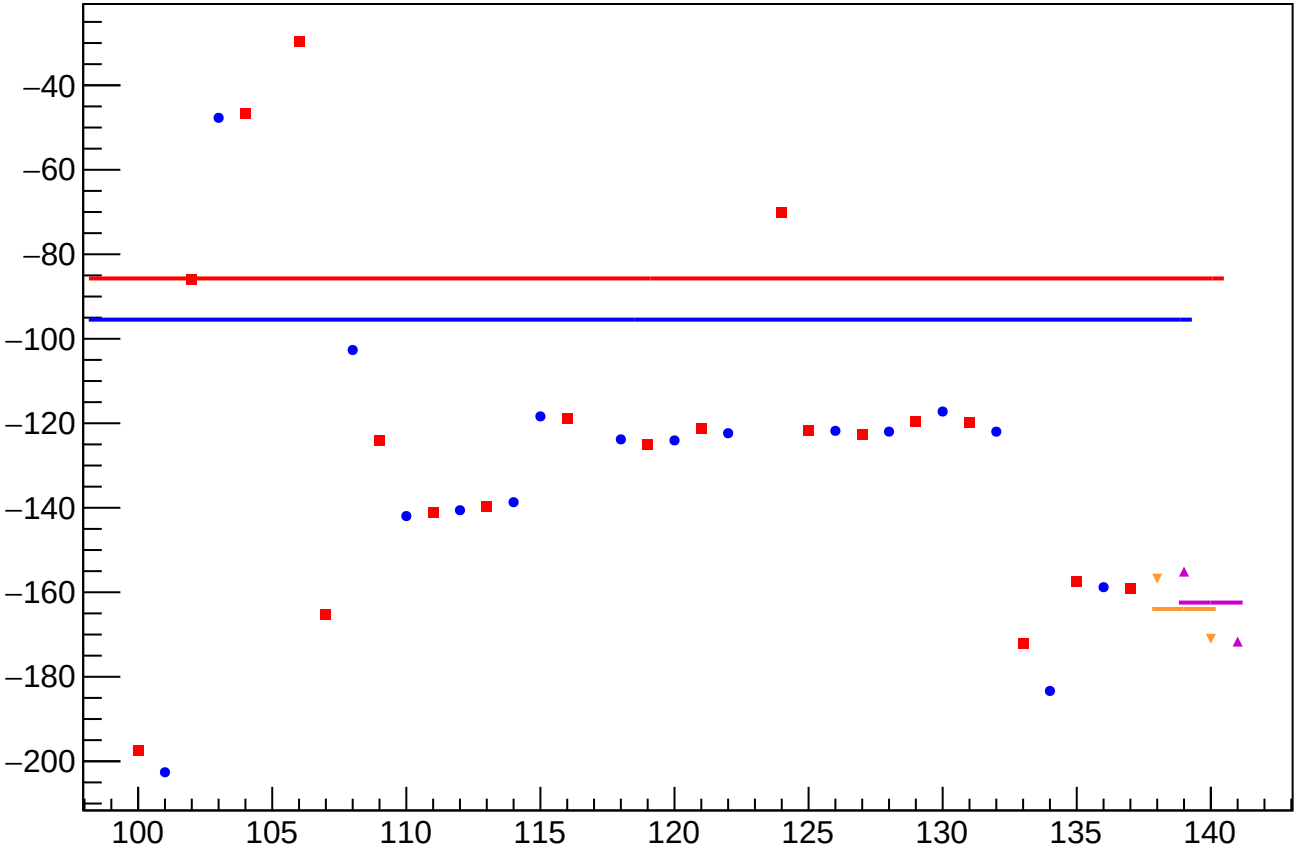
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 42.571+/-1.320 χ^2/NDF:254.3/17

Out: 40.435+/-1.236 χ^2/NDF:370.7/20

All: 41.433+/-0.902 χ^2/NDF: 626.4/38

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -163.949+/-0.150 χ^2/NDF:2248.2/1

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -162.434+/-0.145 χ^2/NDF:3211.5/1

Left: -163.167+/-0.104 χ^2/NDF: 5512.4/3

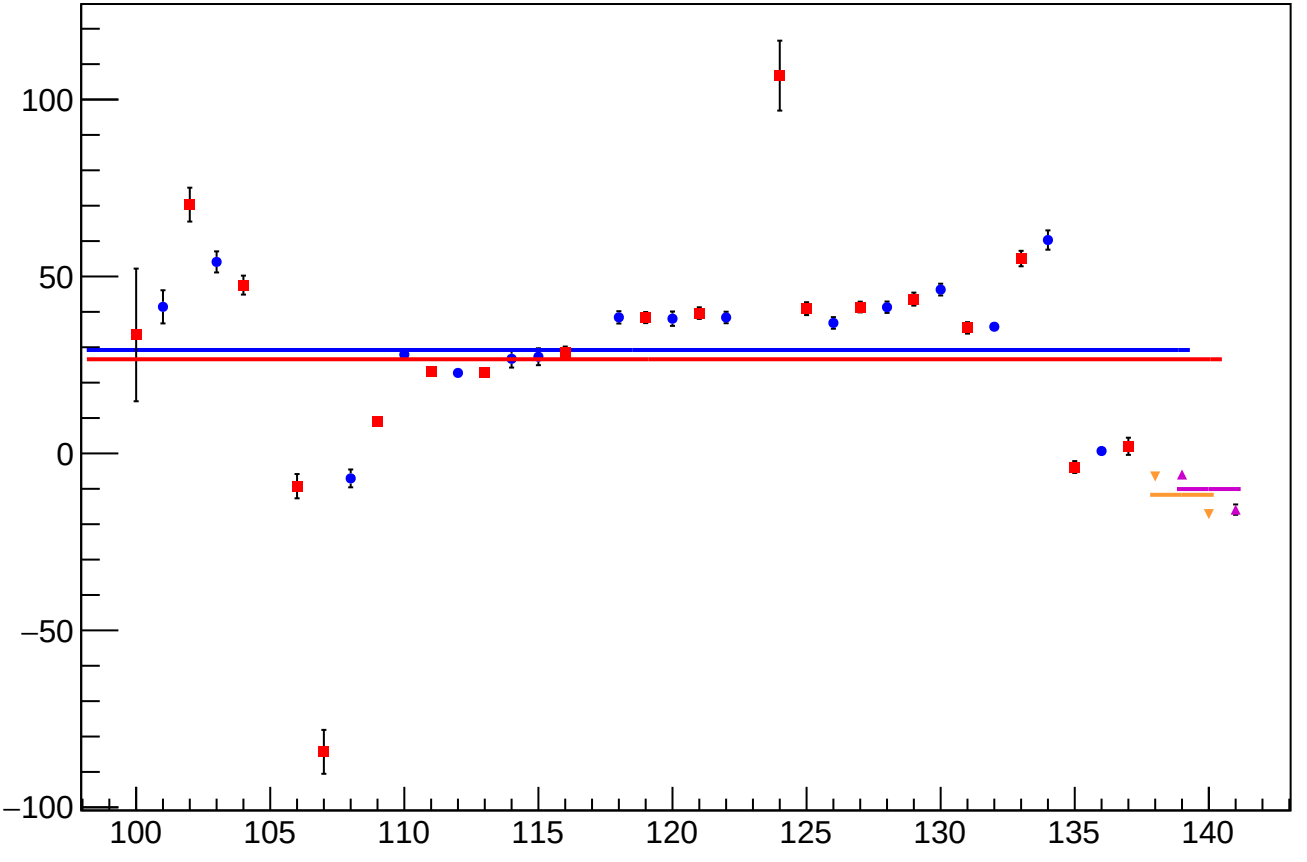
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -107.931+/-0.063 χ^2/NDF:696189.9/17

Out: -98.719+/-0.061 χ^2/NDF:711800.2/20

All: -103.212+/-0.044 χ^2/NDF: 1419064.5/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.694+/-0.899 χ^2/NDF:34.9/1

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -10.061+/-0.939 χ^2/NDF:27.1/1

Left: -10.912+/-0.649 χ^2/NDF: 63.6/3

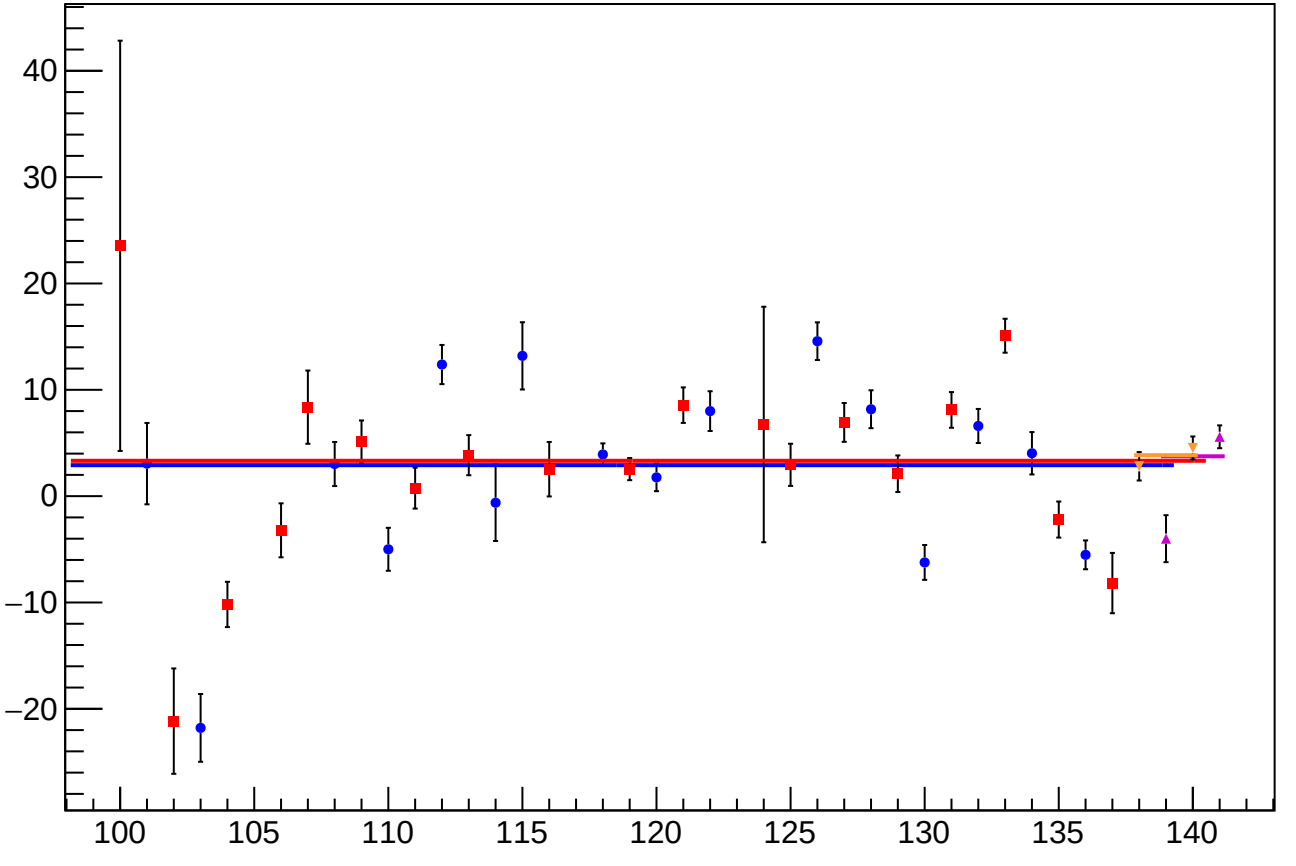
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 22.562+/-0.387 χ^2/NDF:2825.1/17

Out: 19.910+/-0.376 χ^2/NDF:3451.8/20

All: 21.200+/-0.270 χ^2/NDF: 6301.1/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 3.852+/-0.840 χ^2/NDF:1.0/1

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 3.750+/-0.966 χ^2/NDF:15.2/1

Left: 3.808+/-0.634 χ^2/NDF: 16.2/3

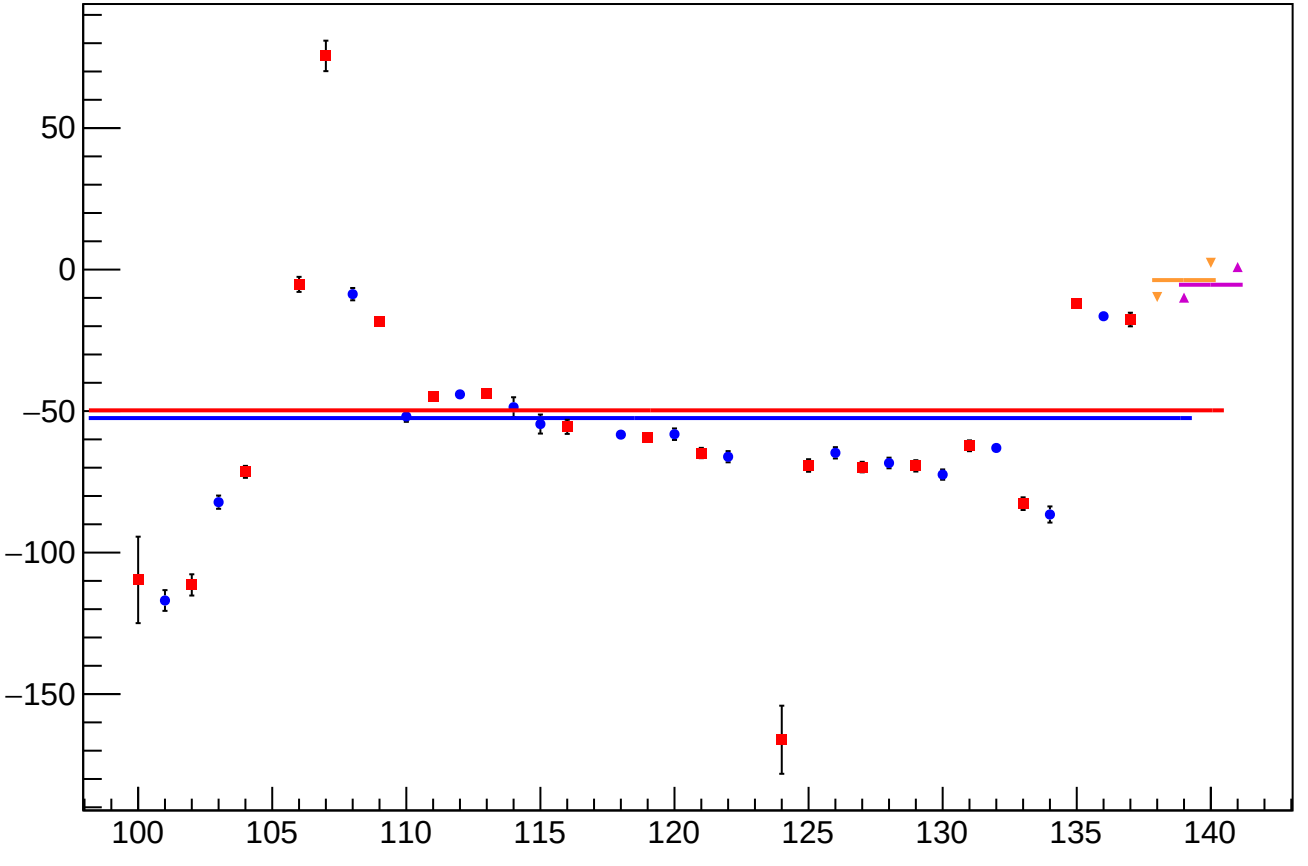
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 3.058+/-0.402 χ^2/NDF:265.8/17

Out: 3.444+/-0.399 χ^2/NDF:183.1/20

All: 3.253+/-0.283 χ^2/NDF: 449.3/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -3.713+/-0.932 χ^2/NDF:42.0/1

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -5.351+/-0.972 χ^2/NDF:30.1/1

Left: -4.498+/-0.673 χ^2/NDF: 73.6/3

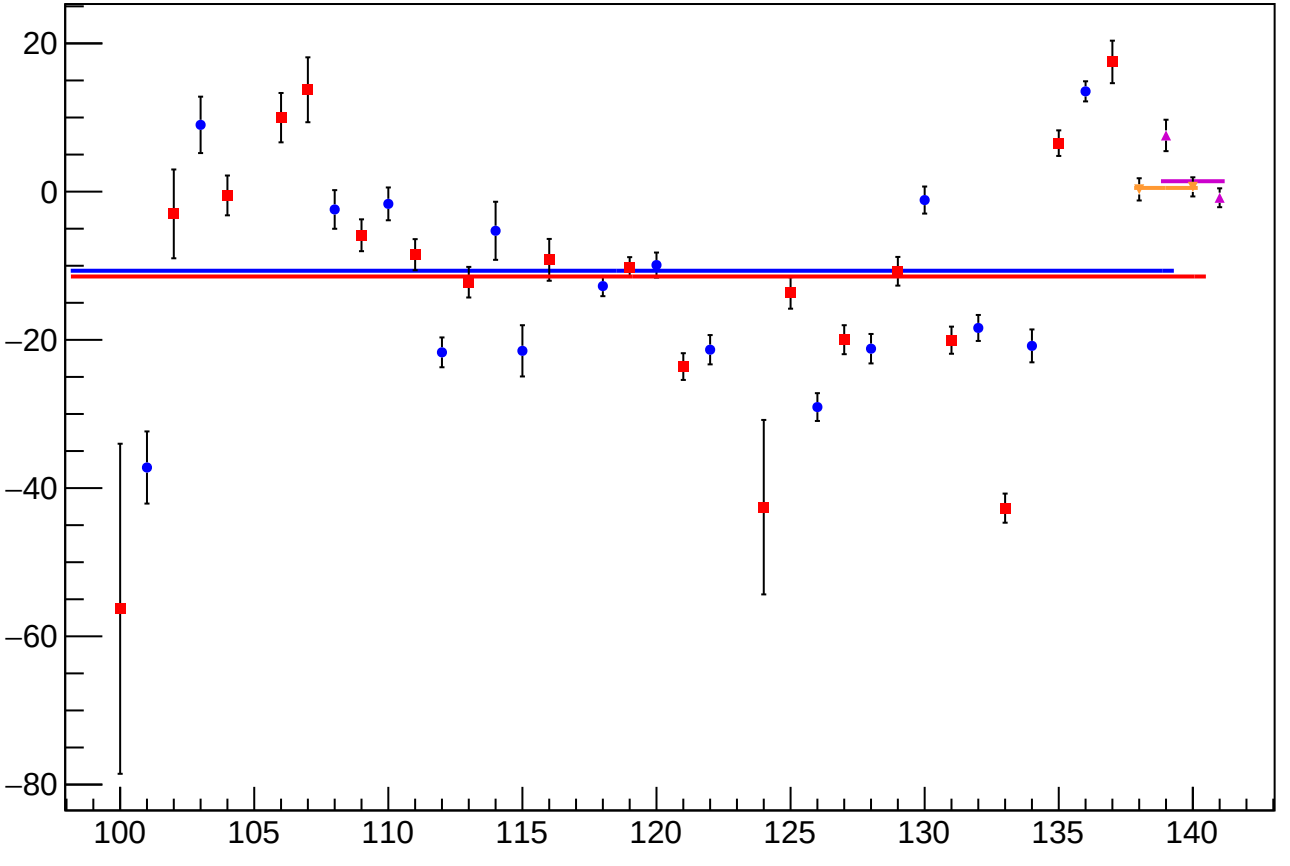
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -42.986+/-0.436 χ^2/NDF:4237.8/17

Out: -39.644+/-0.437 χ^2/NDF:4954.2/20

All: -41.317+/-0.308 χ^2/NDF: 9221.3/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.499+/-0.979 χ^2/NDF:0.0/1

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 1.405+/-1.091 χ^2/NDF:11.6/1

Left: 0.903+/-0.729 χ^2/NDF: 12.0/3

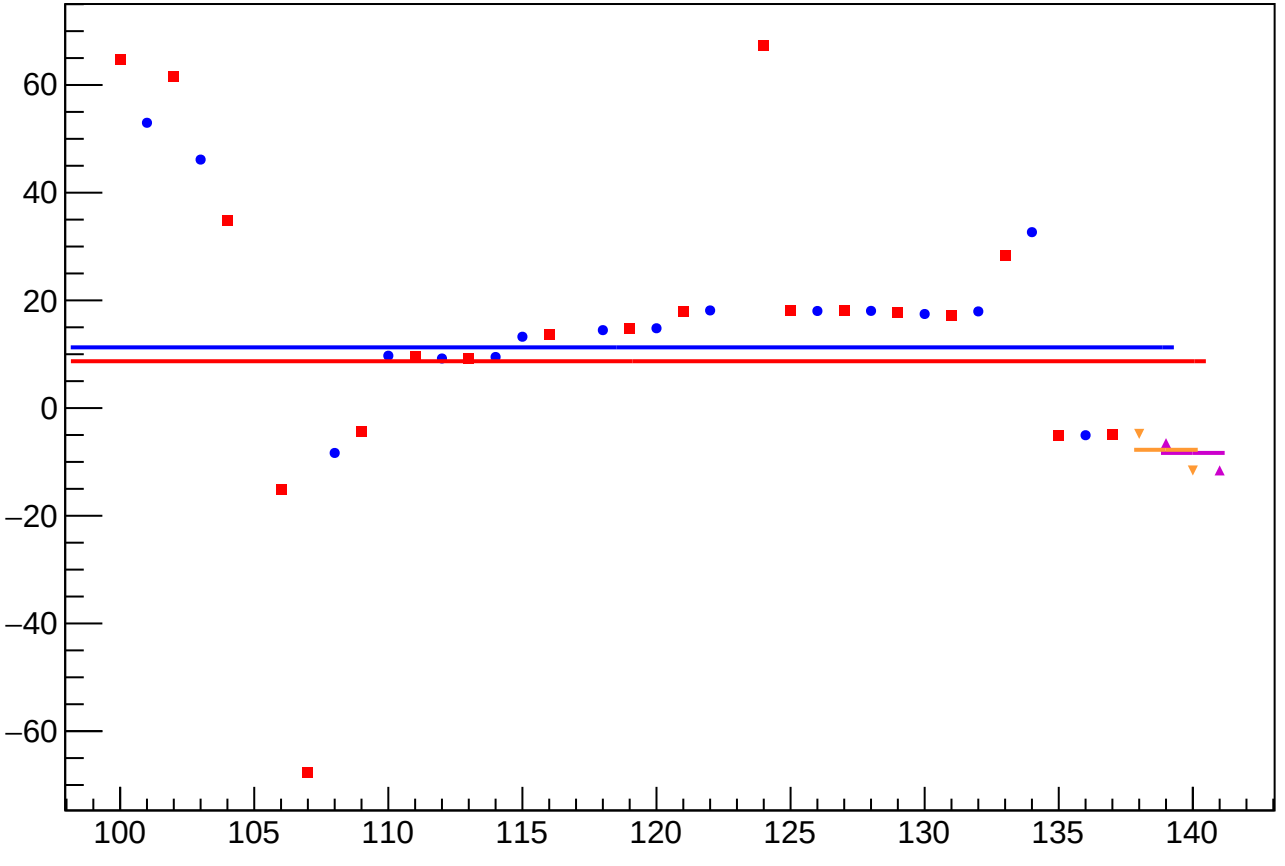
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -8.541+/-0.459 χ^2/NDF:778.8/17

Out: -8.851+/-0.457 χ^2/NDF:782.4/20

All: -8.697+/-0.324 χ^2/NDF: 1561.5/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.749+/-0.039 χ^2/NDF:7587.5/1

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.327+/-0.037 χ^2/NDF:4418.5/1

Left: -8.055+/-0.027 χ^2/NDF: 12124.1/3

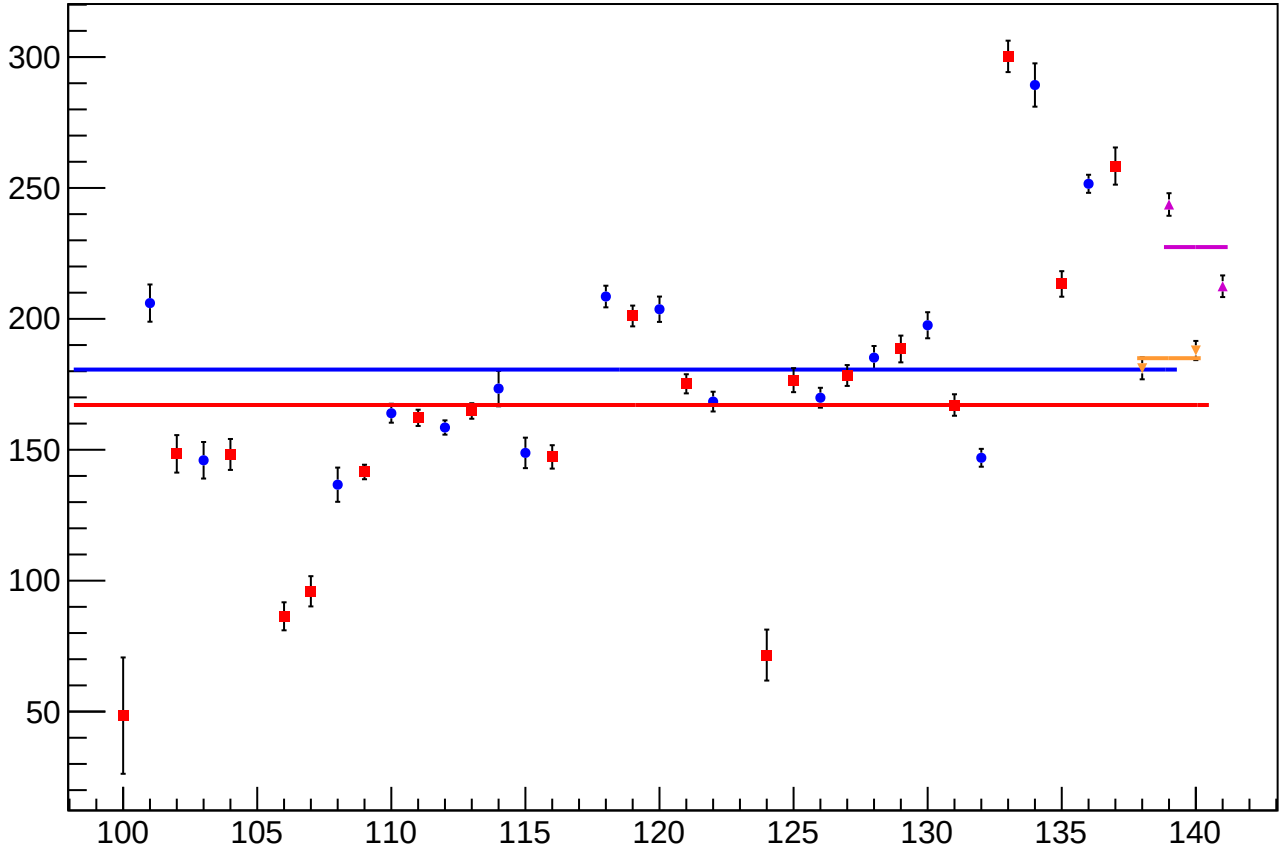
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 3.398+/-0.023 χ^2/NDF:526269.1/17

Out: 2.161+/-0.024 χ^2/NDF:552640.1/20

All: 2.812+/-0.017 χ^2/NDF: 1080263.9/38

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 184.978+/-2.763 χ^2/NDF:1.5/1

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 227.422+/-2.984 χ^2/NDF:27.3/1

Left: 204.573+/-2.027 χ^2/NDF: 137.7/3

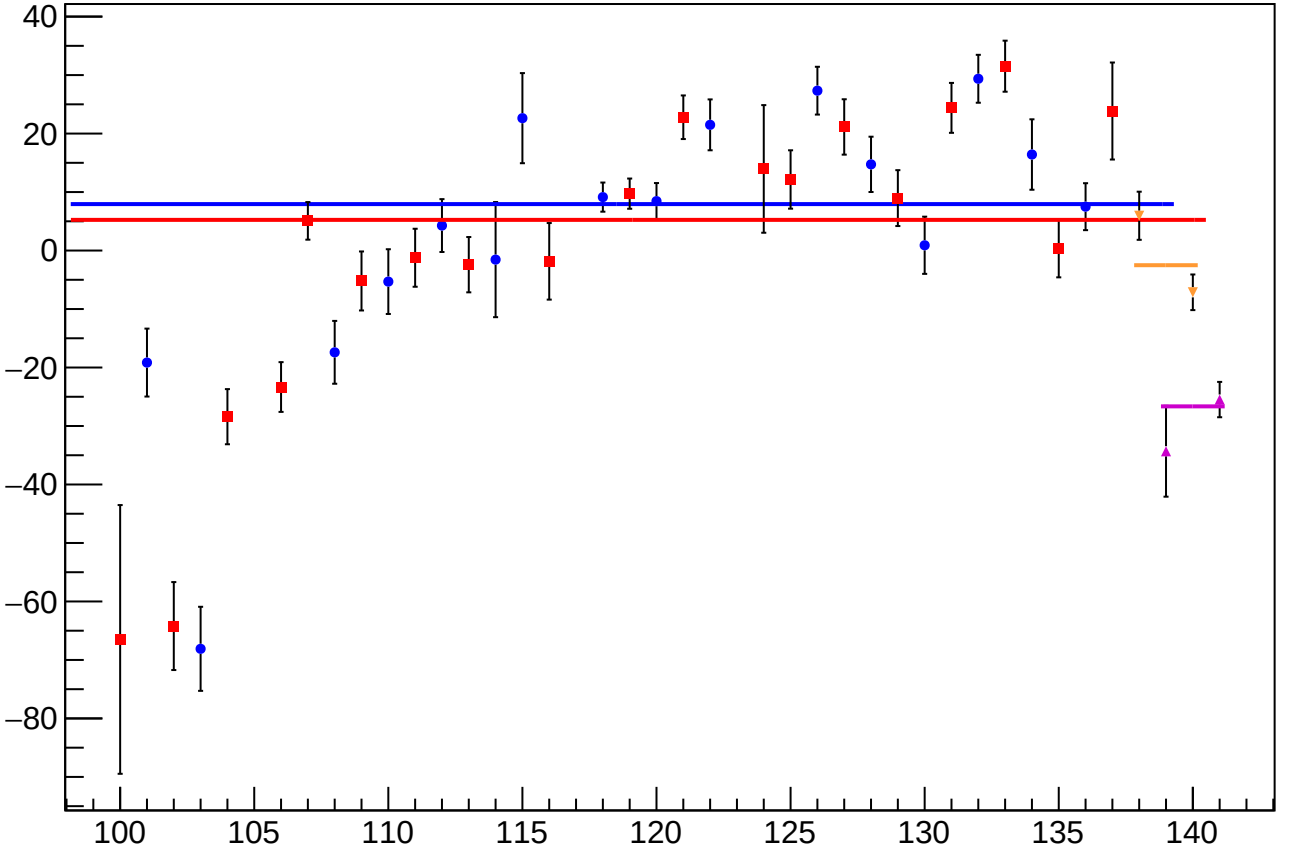
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 186.140+/-1.024 χ^2/NDF:1237.7/17

Out: 169.248+/-0.958 χ^2/NDF:1522.9/20

All: 177.132+/-0.699 χ^2/NDF: 2905.8/38

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.506+/-2.448 χ^2/NDF:6.5/1

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -26.643+/-2.816 χ^2/NDF:1.1/1

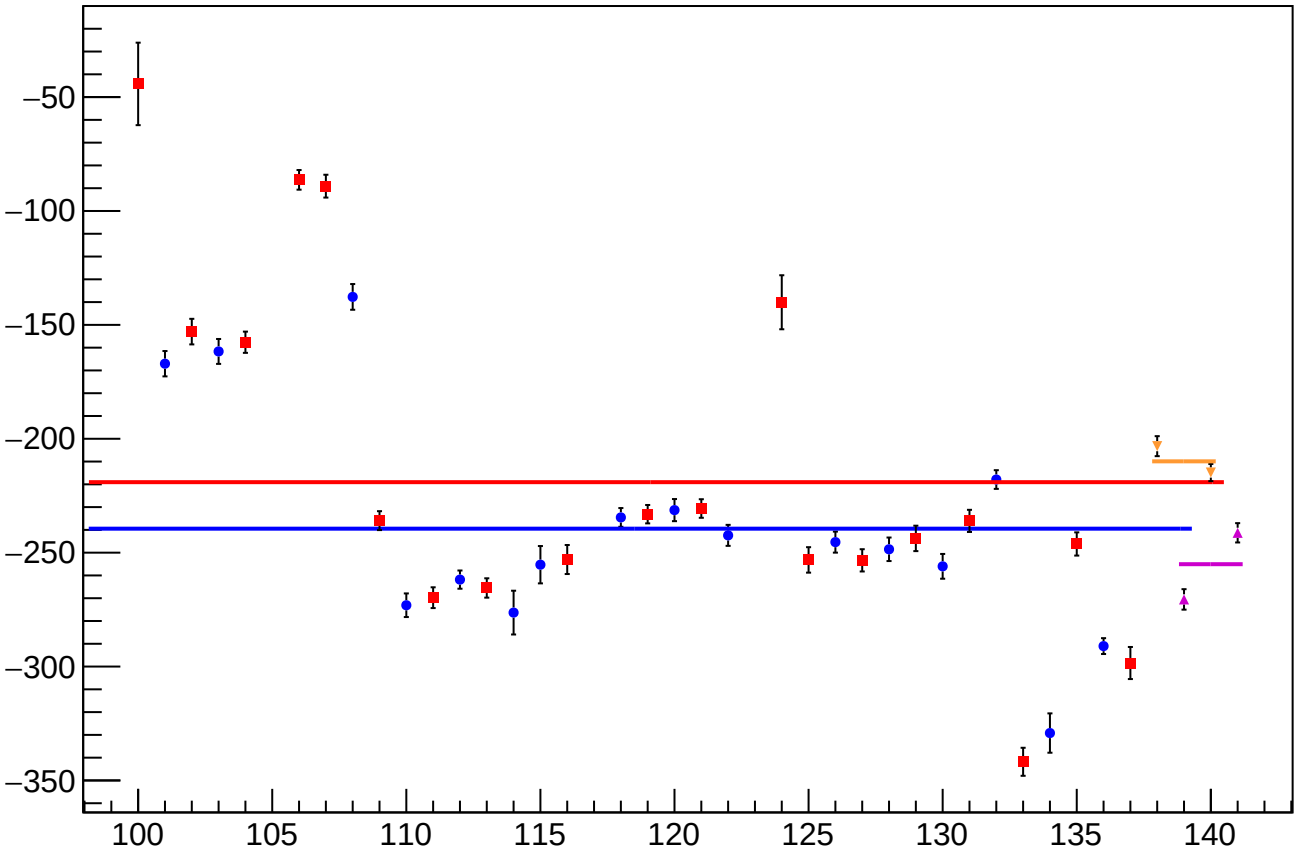
Left: -12.896+/-1.847 χ^2/NDF: 49.5/3

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.267+/-1.035 χ^2/NDF:364.5/17

Out: 4.016+/-0.974 χ^2/NDF:317.9/20

All: 3.664+/-0.710 χ^2/NDF: 682.7/38



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.912+/-2.859 χ^2/NDF:4.0/1

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -255.062+/-3.084 χ^2/NDF:22.4/1

Left: -230.779+/-2.097 χ^2/NDF: 141.7/3

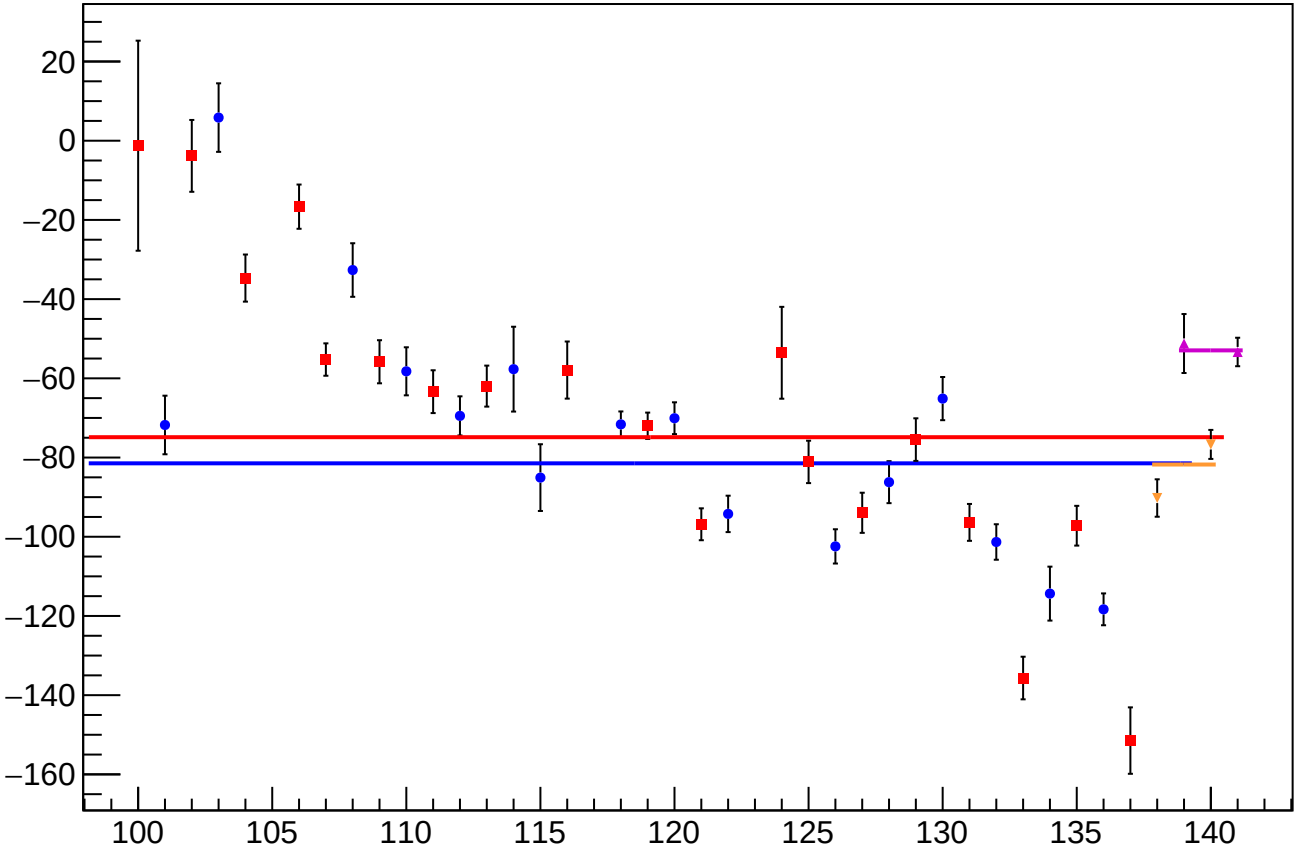
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.655+/-1.155 χ^2/NDF:1206.6/17

Out: -217.729+/-1.088 χ^2/NDF:3062.0/20

All: -228.978+/-0.792 χ^2/NDF: 4496.1/38

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -81.762+/-2.895 χ^2/NDF:5.1/1

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -52.941+/-3.238 χ^2/NDF:0.1/1

Left: -68.961+/-2.158 χ^2/NDF: 49.2/3

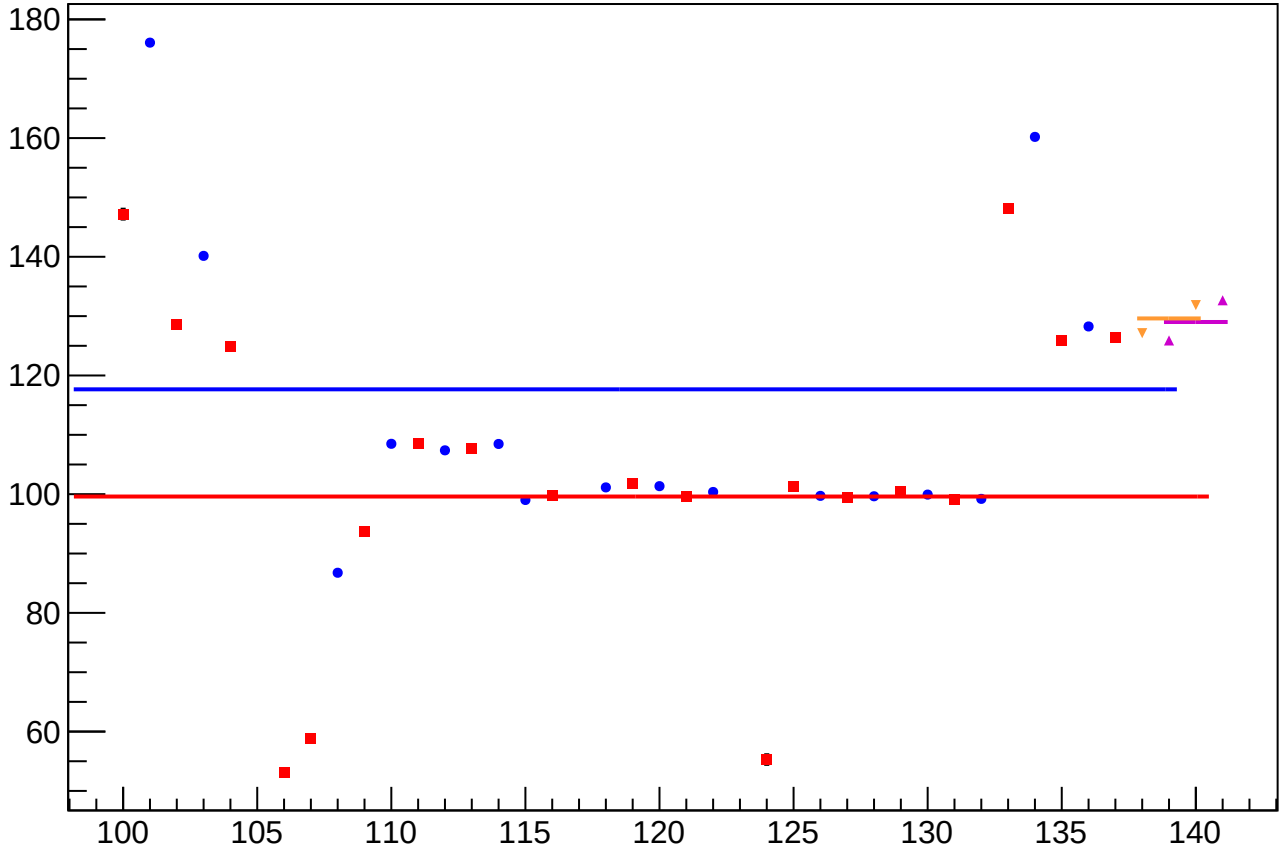
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.572+/-1.196 χ^2/NDF:433.5/17

Out: -75.916+/-1.132 χ^2/NDF:586.6/20

All: -76.699+/-0.822 χ^2/NDF: 1021.1/38

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 129.612+/-0.122 χ^2/NDF:376.1/1

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.012+/-0.118 χ^2/NDF:818.0/1

Left: 129.303+/-0.085 χ^2/NDF: 1206.6/3

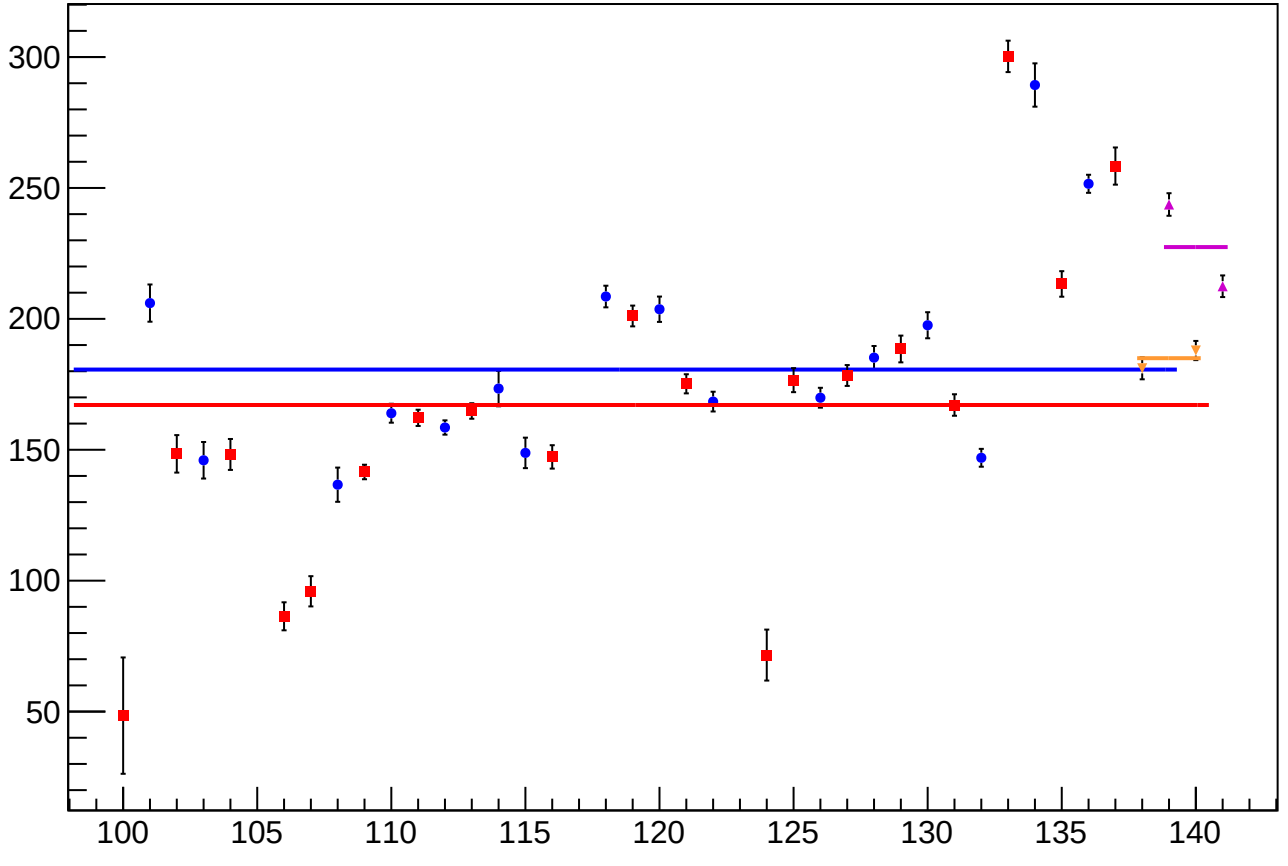
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.133+/-0.065 χ^2/NDF:102638.7/17

Out: 107.103+/-0.061 χ^2/NDF:212140.9/20

All: 113.637+/-0.045 χ^2/NDF: 339507.0/38

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 184.978+/-2.763 χ^2/NDF:1.5/1

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 227.422+/-2.984 χ^2/NDF:27.3/1

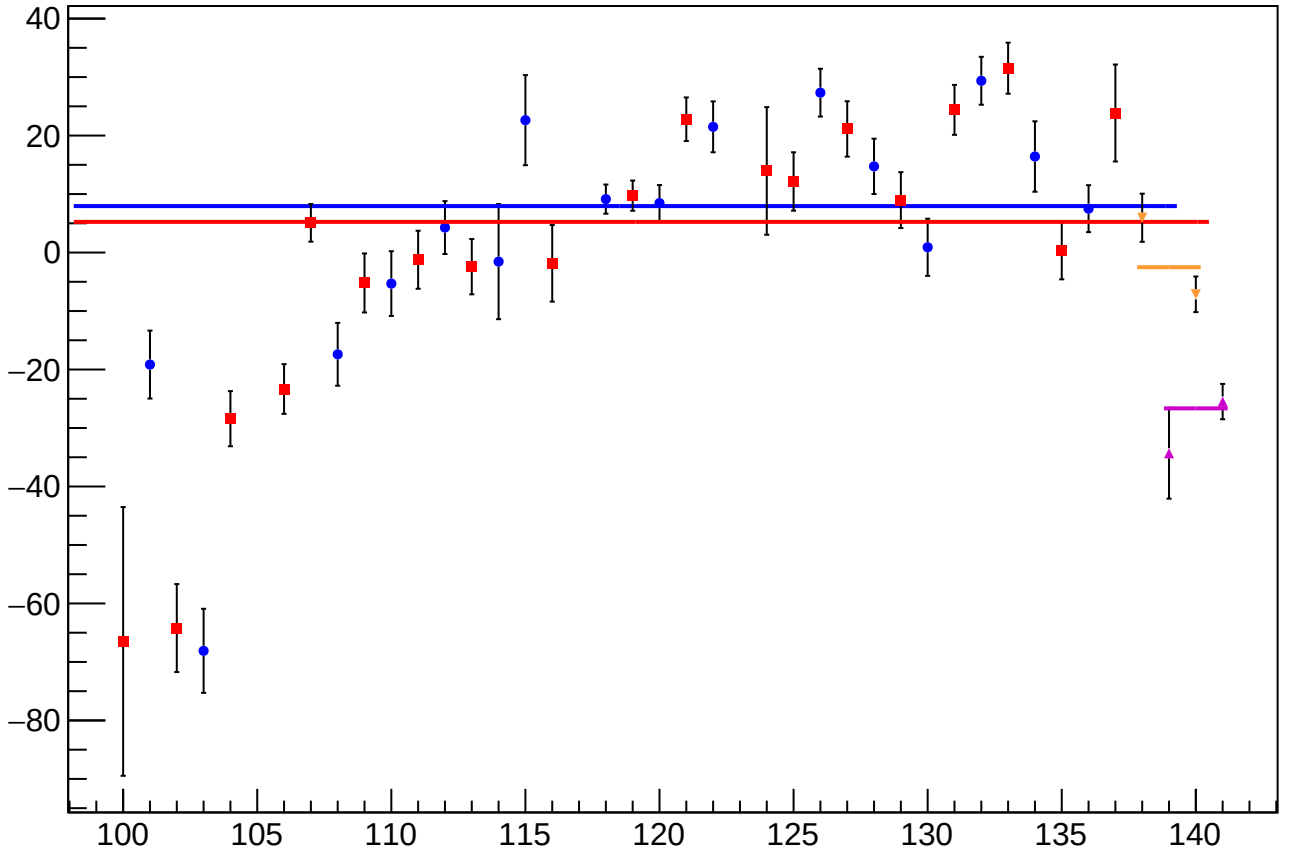
Left: 204.573+/-2.027 χ^2/NDF: 137.7/3

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 186.140+/-1.024 χ^2/NDF:1237.7/17

Out: 169.248+/-0.958 χ^2/NDF:1522.9/20

All: 177.132+/-0.699 χ^2/NDF: 2905.8/38



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.506+/-2.448 χ^2/NDF:6.5/1

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -26.643+/-2.816 χ^2/NDF:1.1/1

Left: -12.896+/-1.847 χ^2/NDF: 49.5/3

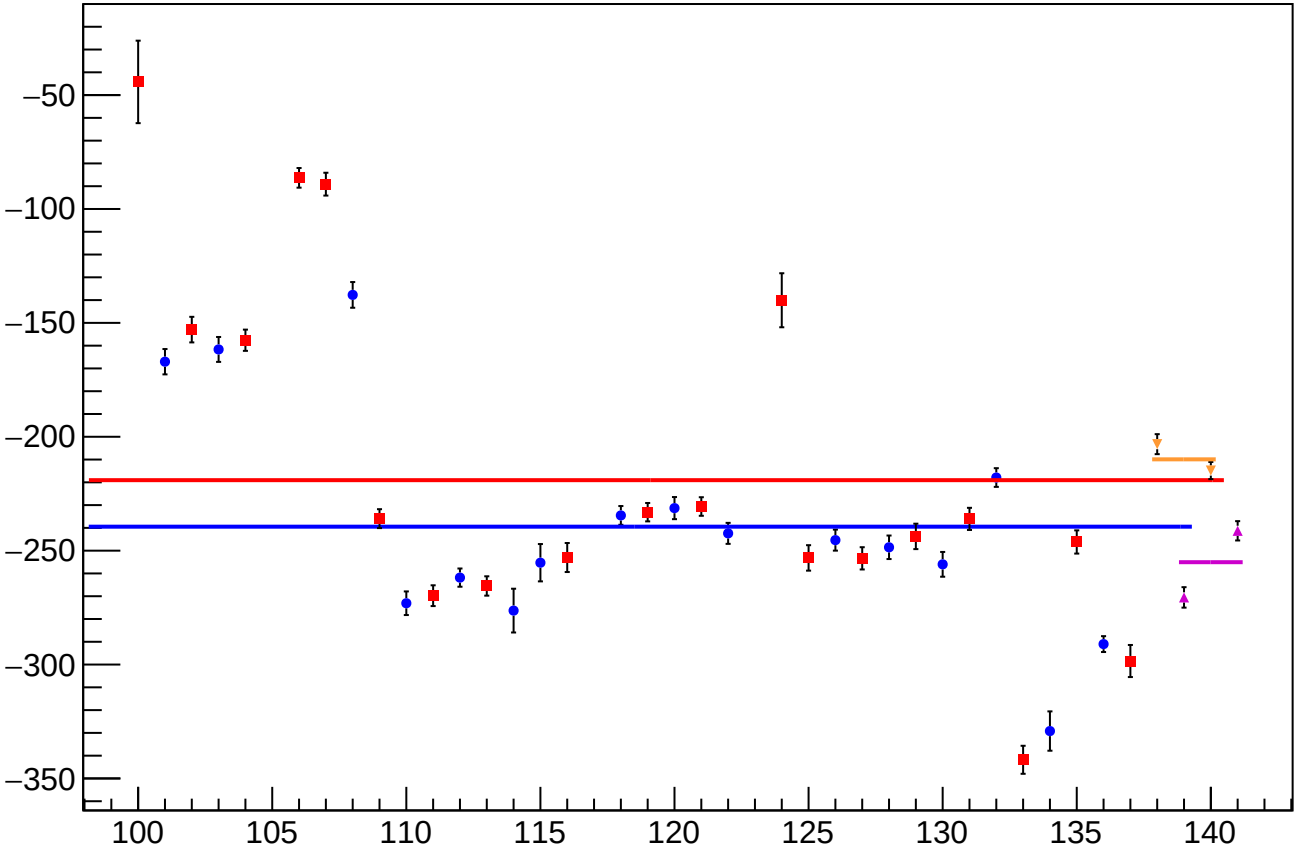
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.267+/-1.035 χ^2/NDF:364.5/17

Out: 4.016+/-0.974 χ^2/NDF:317.9/20

All: 3.664+/-0.710 χ^2/NDF: 682.7/38

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -209.912+/-2.859 χ^2/NDF:4.0/1

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -255.062+/-3.084 χ^2/NDF:22.4/1

Left: -230.779+/-2.097 χ^2/NDF: 141.7/3

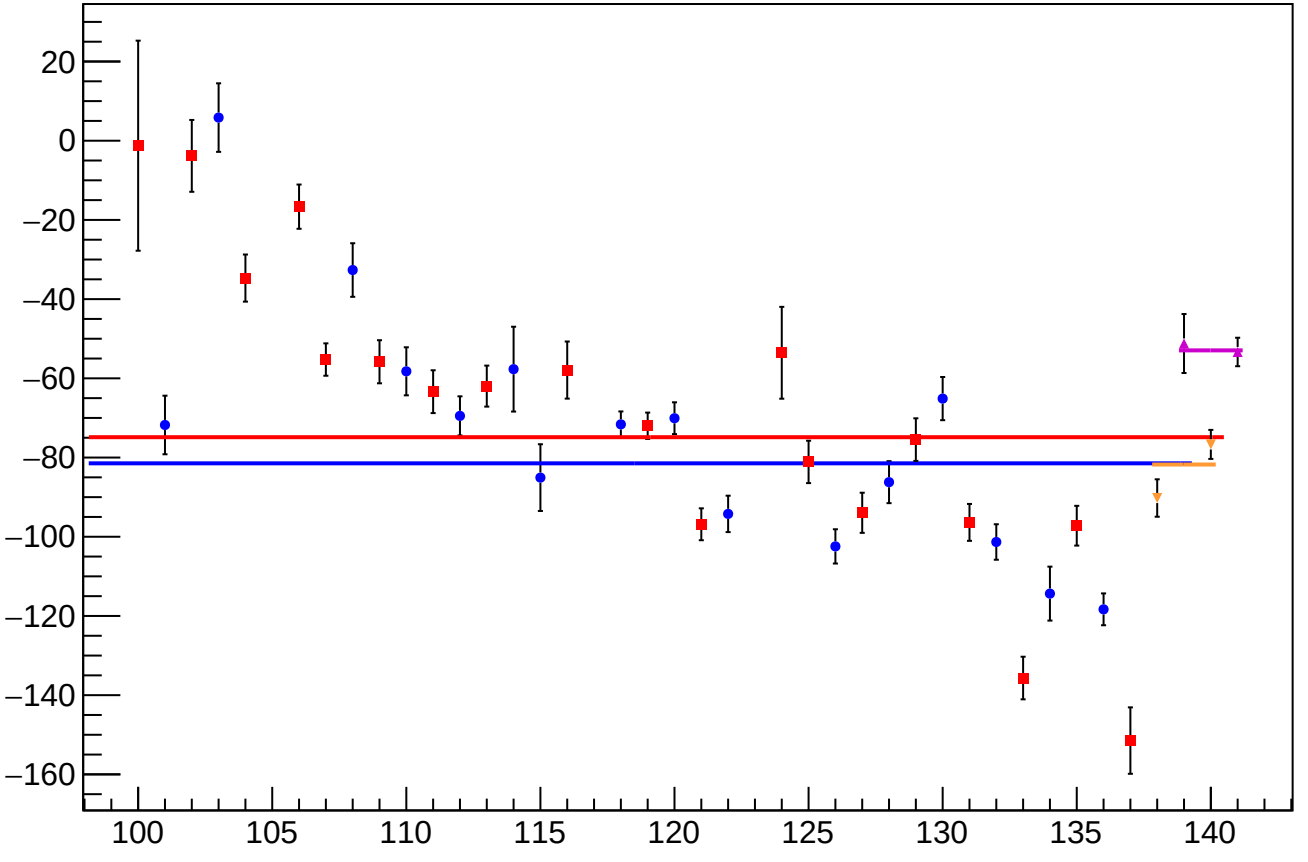
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.655+/-1.155 χ^2/NDF:1206.6/17

Out: -217.729+/-1.088 χ^2/NDF:3062.0/20

All: -228.978+/-0.792 χ^2/NDF: 4496.1/38

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -81.762+/-2.895 χ^2/NDF:5.1/1

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -52.941+/-3.238 χ^2/NDF:0.1/1

Left: -68.961+/-2.158 χ^2/NDF: 49.2/3

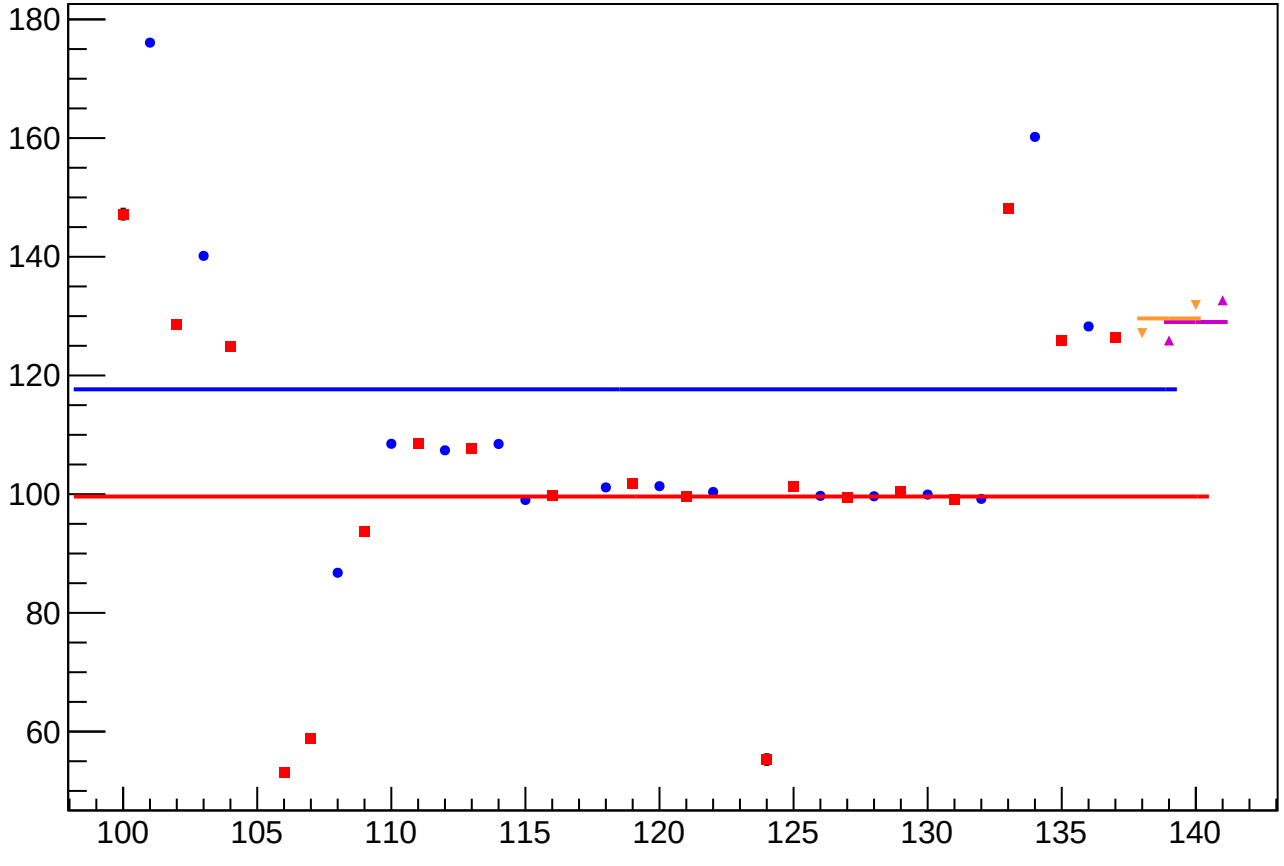
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.572+/-1.196 χ^2/NDF:433.5/17

Out: -75.916+/-1.132 χ^2/NDF:586.6/20

All: -76.699+/-0.822 χ^2/NDF: 1021.1/38

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 129.612+/-0.122 χ^2/NDF:376.1/1

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.012+/-0.118 χ^2/NDF:818.0/1

Left: 129.303+/-0.085 χ^2/NDF: 1206.6/3

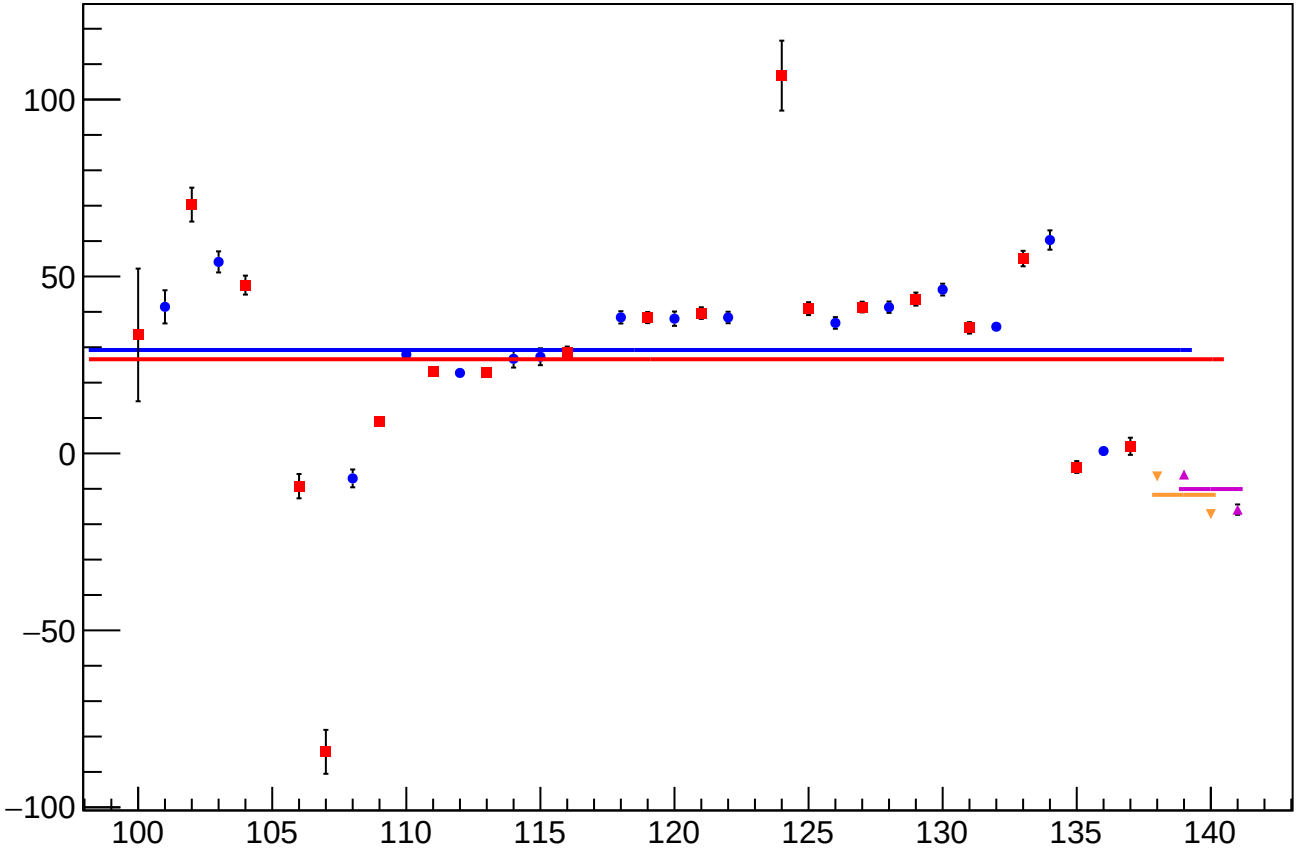
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.133+/-0.065 χ^2/NDF:102638.7/17

Out: 107.103+/-0.061 χ^2/NDF:212140.9/20

All: 113.637+/-0.045 χ^2/NDF: 339507.0/38

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.694+/-0.899 χ^2/NDF:34.9/1

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -10.061+/-0.939 χ^2/NDF:27.1/1

Left: -10.912+/-0.649 χ^2/NDF: 63.6/3

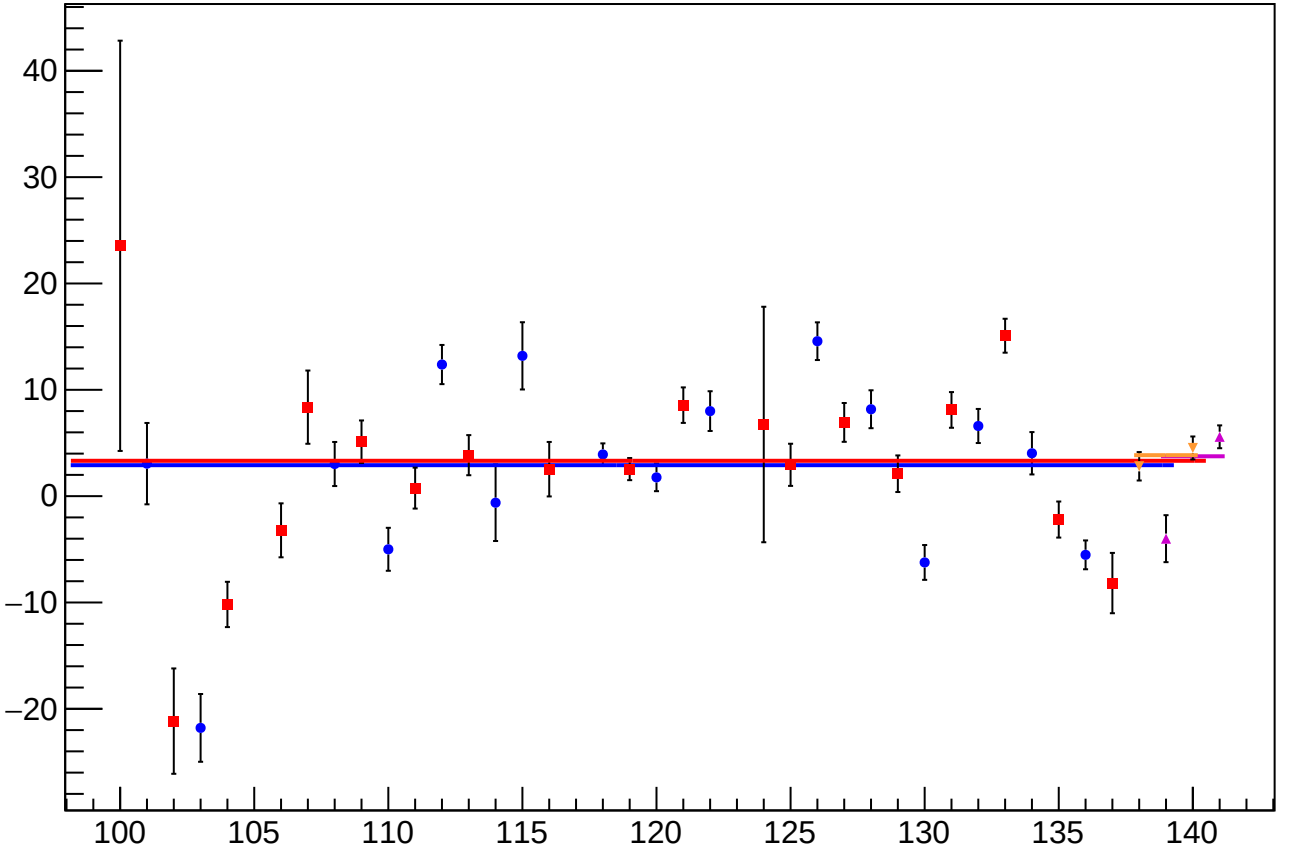
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 22.562+/-0.387 χ^2/NDF:2825.1/17

Out: 19.910+/-0.376 χ^2/NDF:3451.8/20

All: 21.200+/-0.270 χ^2/NDF: 6301.1/38

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 3.852+/-0.840 χ^2/NDF:1.0/1

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 3.750+/-0.966 χ^2/NDF:15.2/1

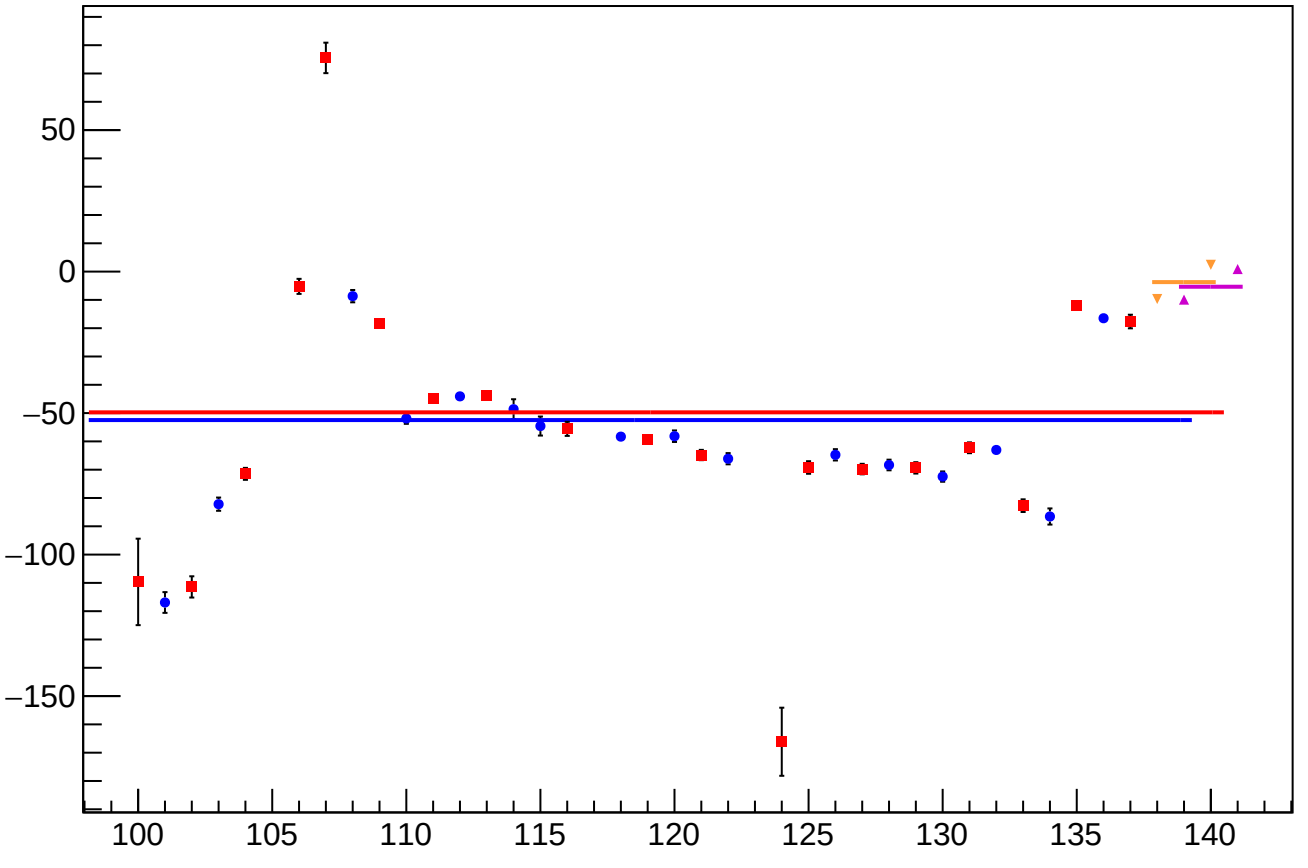
Left: 3.808+/-0.634 χ^2/NDF: 16.2/3

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 3.058+/-0.402 χ^2/NDF:265.8/17

Out: 3.444+/-0.399 χ^2/NDF:183.1/20

All: 3.253+/-0.283 χ^2/NDF: 449.3/38



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -3.713+/-0.932 χ^2/NDF:42.0/1

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -5.351+/-0.972 χ^2/NDF:30.1/1

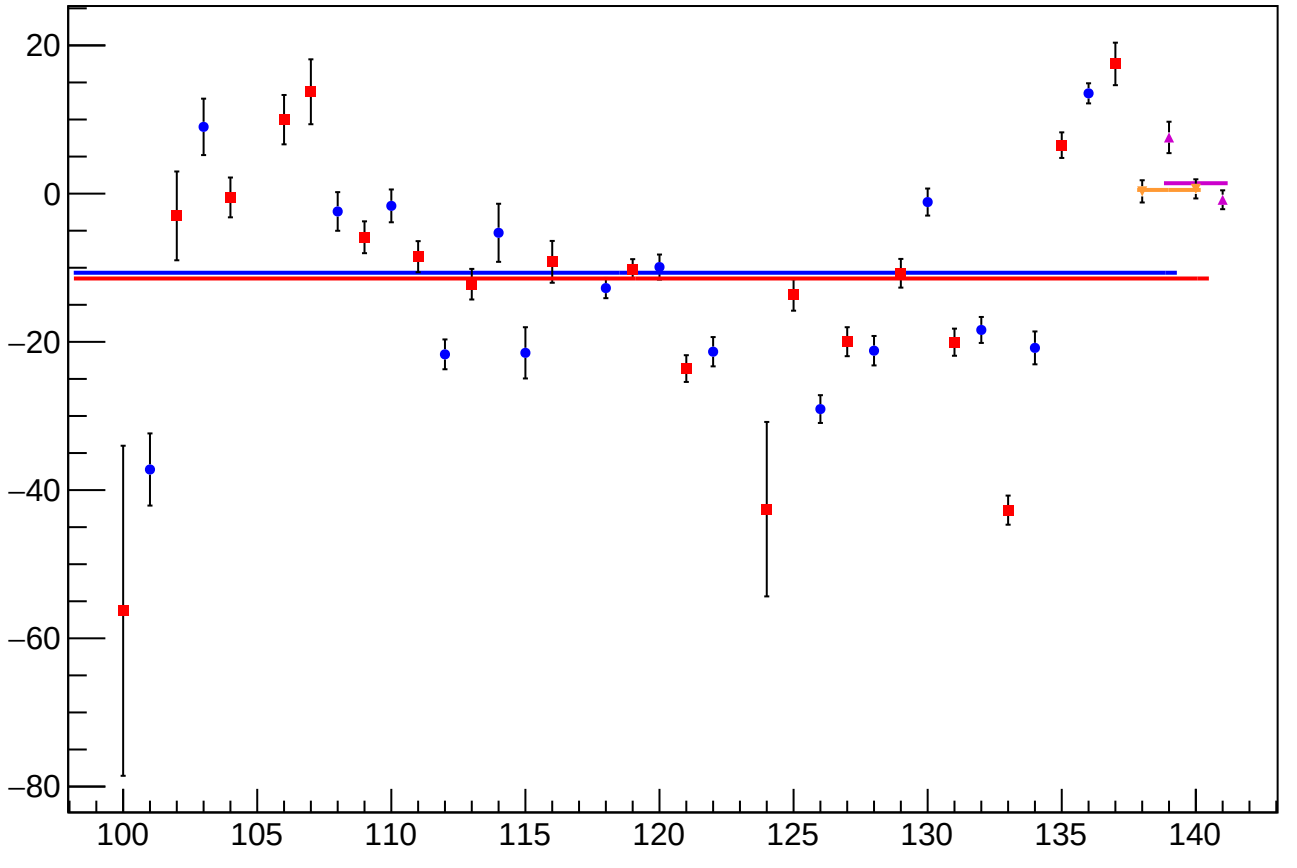
Left: -4.498+/-0.673 χ^2/NDF: 73.6/3

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -42.986+/-0.436 χ^2/NDF:4237.8/17

Out: -39.644+/-0.437 χ^2/NDF:4954.2/20

All: -41.317+/-0.308 χ^2/NDF: 9221.3/38



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.499+/-0.979 χ^2/NDF:0.0/1

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 1.405+/-1.091 χ^2/NDF:11.6/1

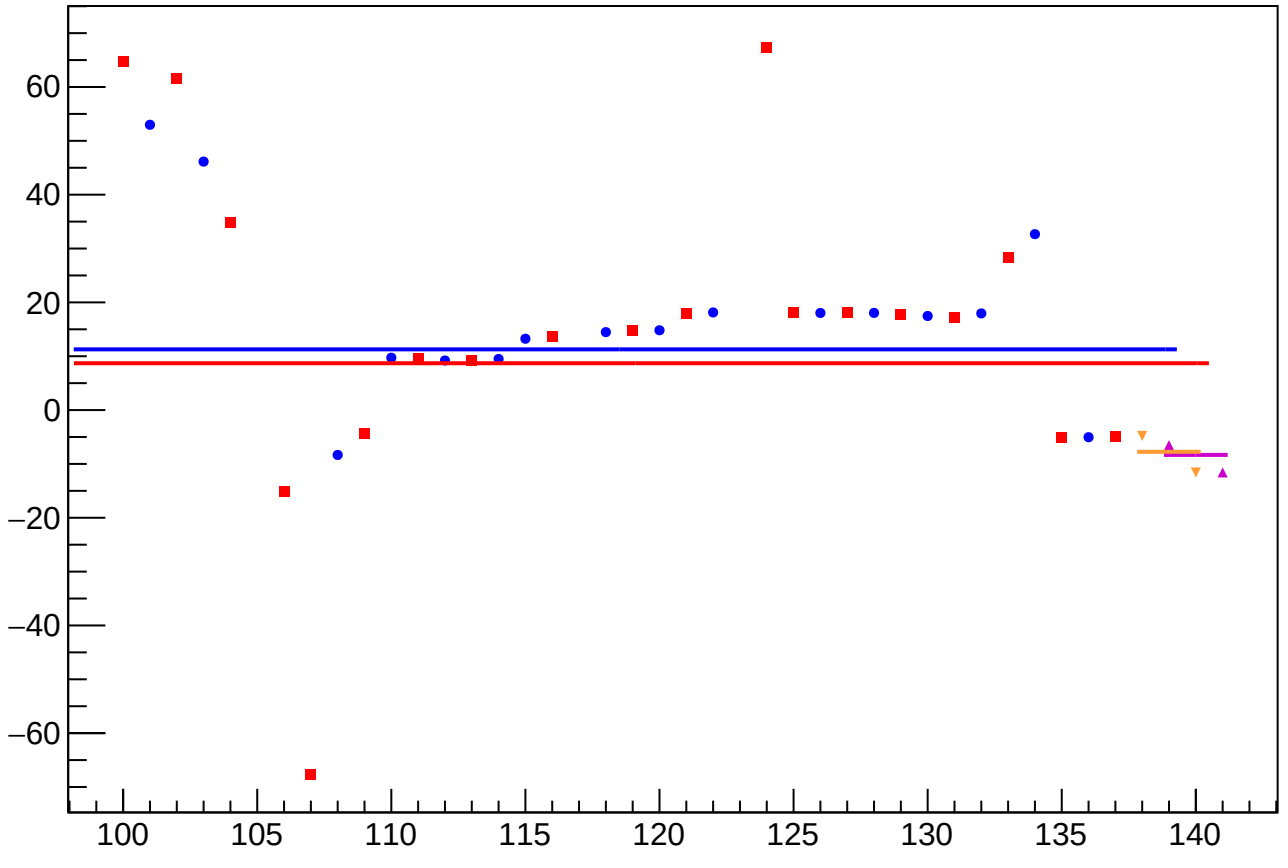
Left: 0.903+/-0.729 χ^2/NDF: 12.0/3

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -8.541+/-0.459 χ^2/NDF:778.8/17

Out: -8.851+/-0.457 χ^2/NDF:782.4/20

All: -8.697+/-0.324 χ^2/NDF: 1561.5/38



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.749+/-0.039 χ^2/NDF:7587.5/1

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.327+/-0.037 χ^2/NDF:4418.5/1

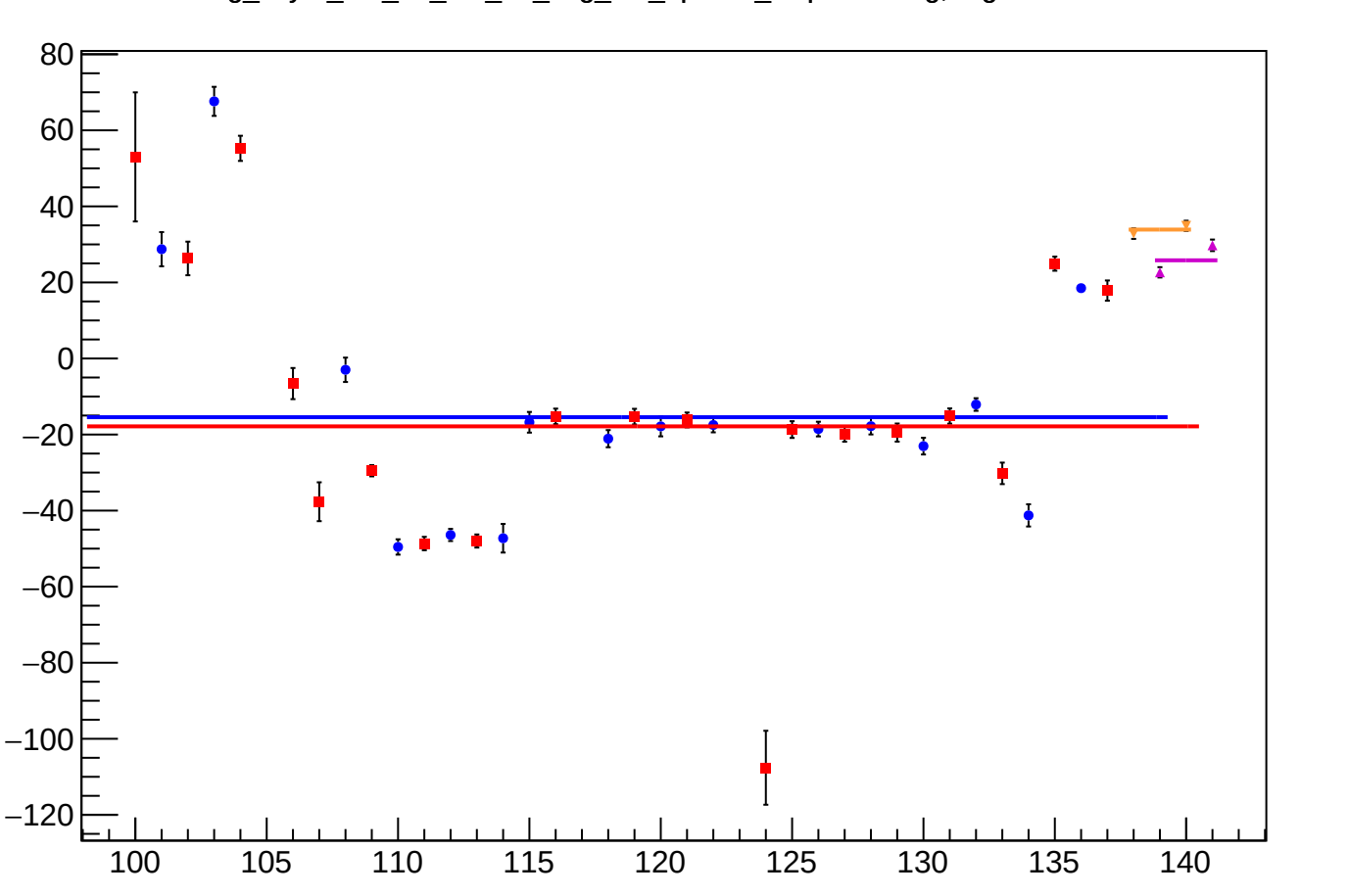
Left: -8.055+/-0.027 χ^2/NDF: 12124.1/3

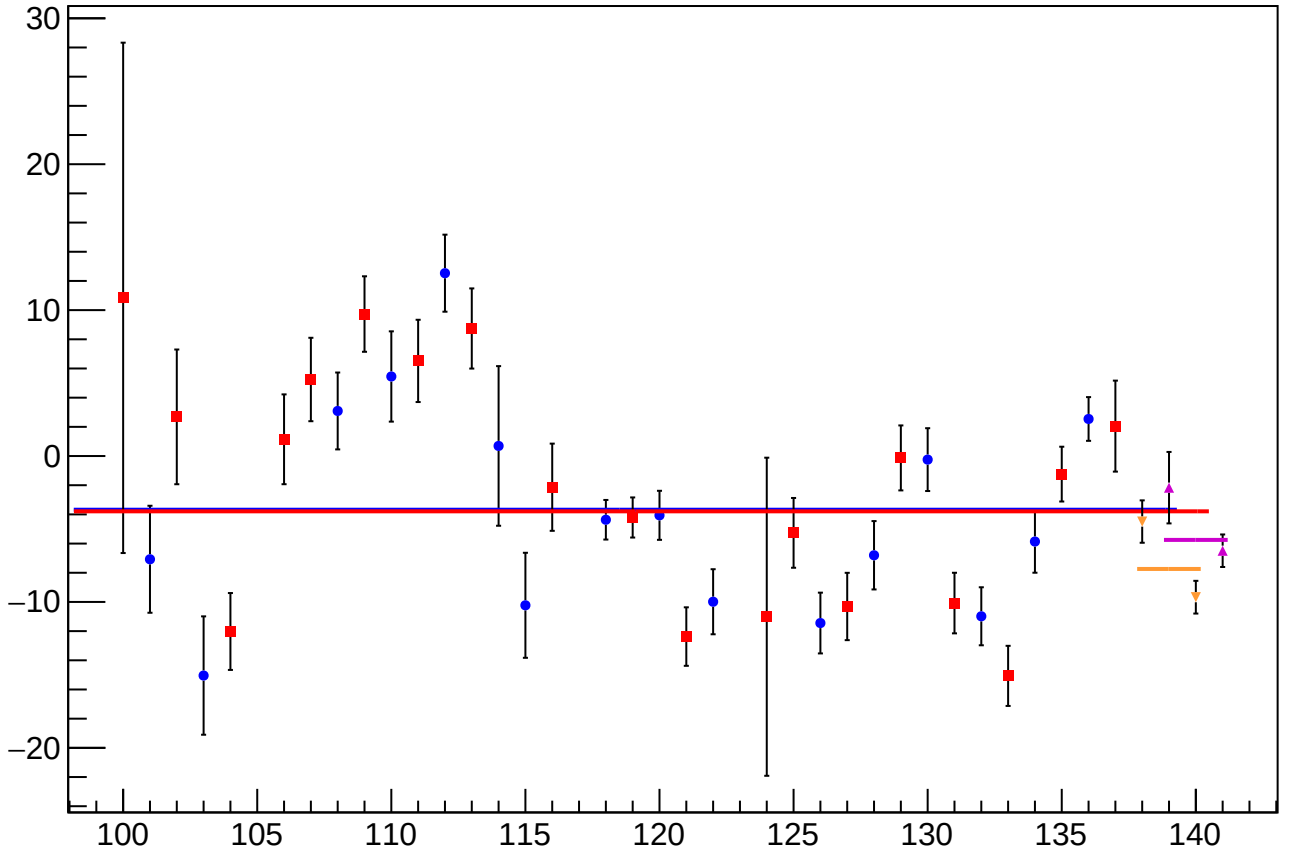
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 3.398+/-0.023 χ^2/NDF:526269.1/17

Out: 2.161+/-0.024 χ^2/NDF:552640.1/20

All: 2.812+/-0.017 χ^2/NDF: 1080263.9/38


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
105
110
115
120
125
130
135
140
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 33.898+/-0.963 χ²/NDF:1.1/1
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.816+/-1.011 χ²/NDF:12.2/1
Left: 30.053+/-0.698 χ²/NDF: 46.8/3
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: -6.311+/-0.476 χ²/NDF:3432.3/17
Out: -5.840+/-0.464 χ²/NDF:4341.4/20
All: -6.070+/-0.332 χ²/NDF: 7774.2/38



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -7.739+/-0.888 χ^2/NDF:8.0/1

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -5.748+/-1.015 χ^2/NDF:2.6/1

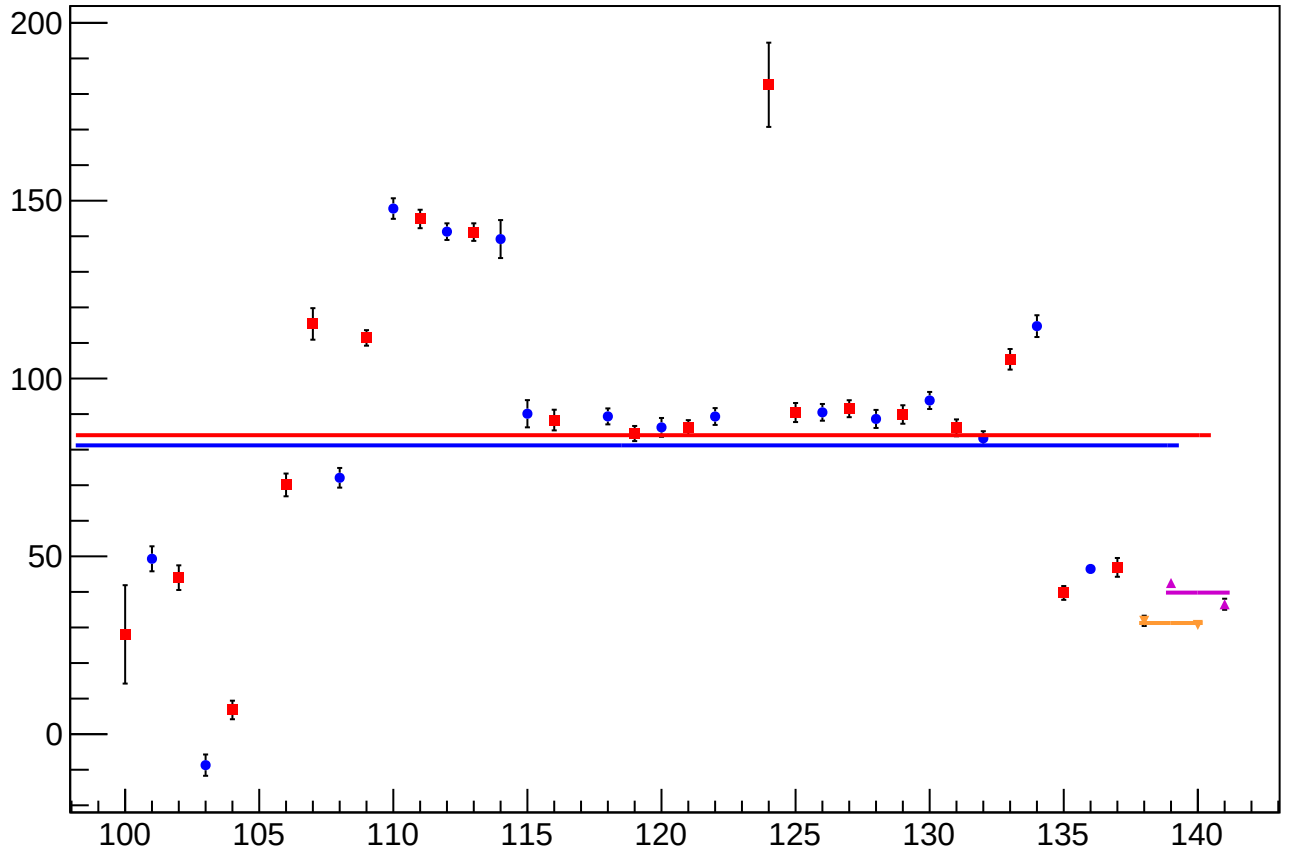
Left: -6.876+/-0.668 χ^2/NDF: 12.7/3

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -4.152+/-0.485 χ^2/NDF:129.8/17

Out: -4.925+/-0.476 χ^2/NDF:183.3/20

All: -4.546+/-0.340 χ^2/NDF: 314.4/38



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 31.259+/-0.998 χ^2/NDF:0.3/1

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.803+/-1.047 χ^2/NDF:8.1/1

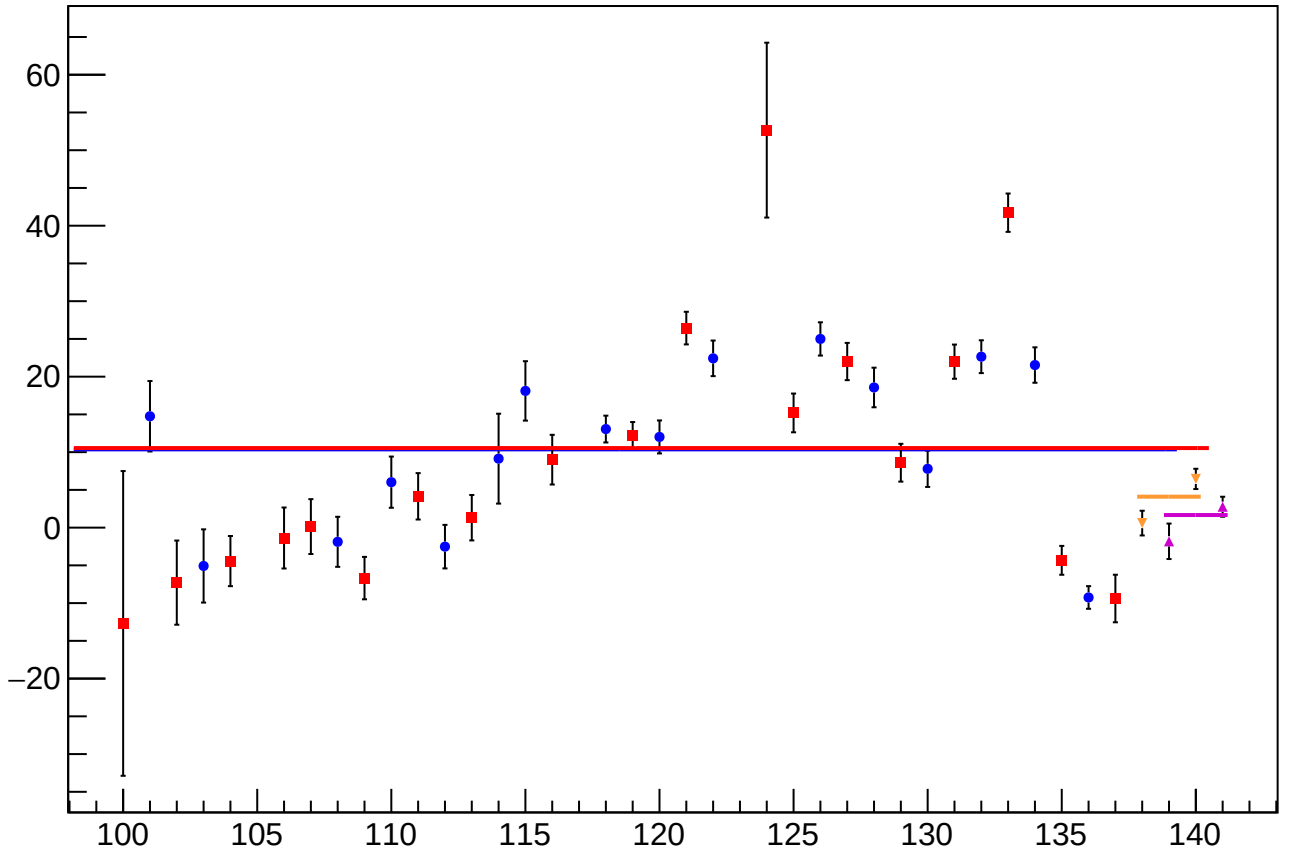
Left: 35.328+/-0.722 χ^2/NDF: 43.3/3

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 70.780+/-0.525 χ^2/NDF:4409.5/17

Out: 69.490+/-0.524 χ^2/NDF:5233.4/20

All: 70.134+/-0.371 χ^2/NDF: 9645.9/38



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 4.100+/-1.038 χ^2/NDF:7.7/1

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.668+/-1.152 χ^2/NDF:2.9/1

Left: 3.011+/-0.771 χ^2/NDF: 13.0/3

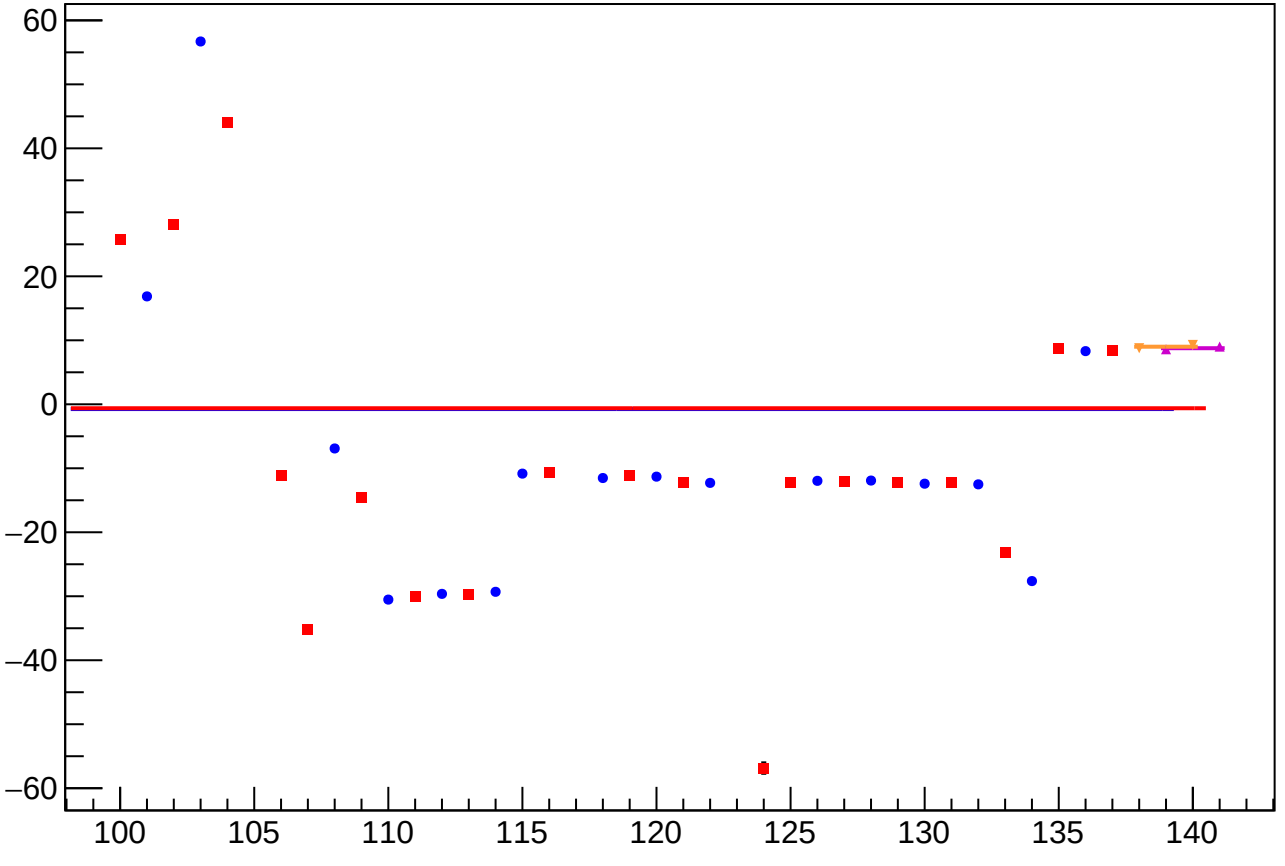
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 8.381+/-0.550 χ^2/NDF:406.7/17

Out: 8.764+/-0.545 χ^2/NDF:506.3/20

All: 8.575+/-0.387 χ^2/NDF: 913.2/38

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 9.000+/-0.042 χ^2/NDF:37.6/1

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.764+/-0.039 χ^2/NDF:26.2/1

Left: 8.875+/-0.029 χ^2/NDF: 80.7/3

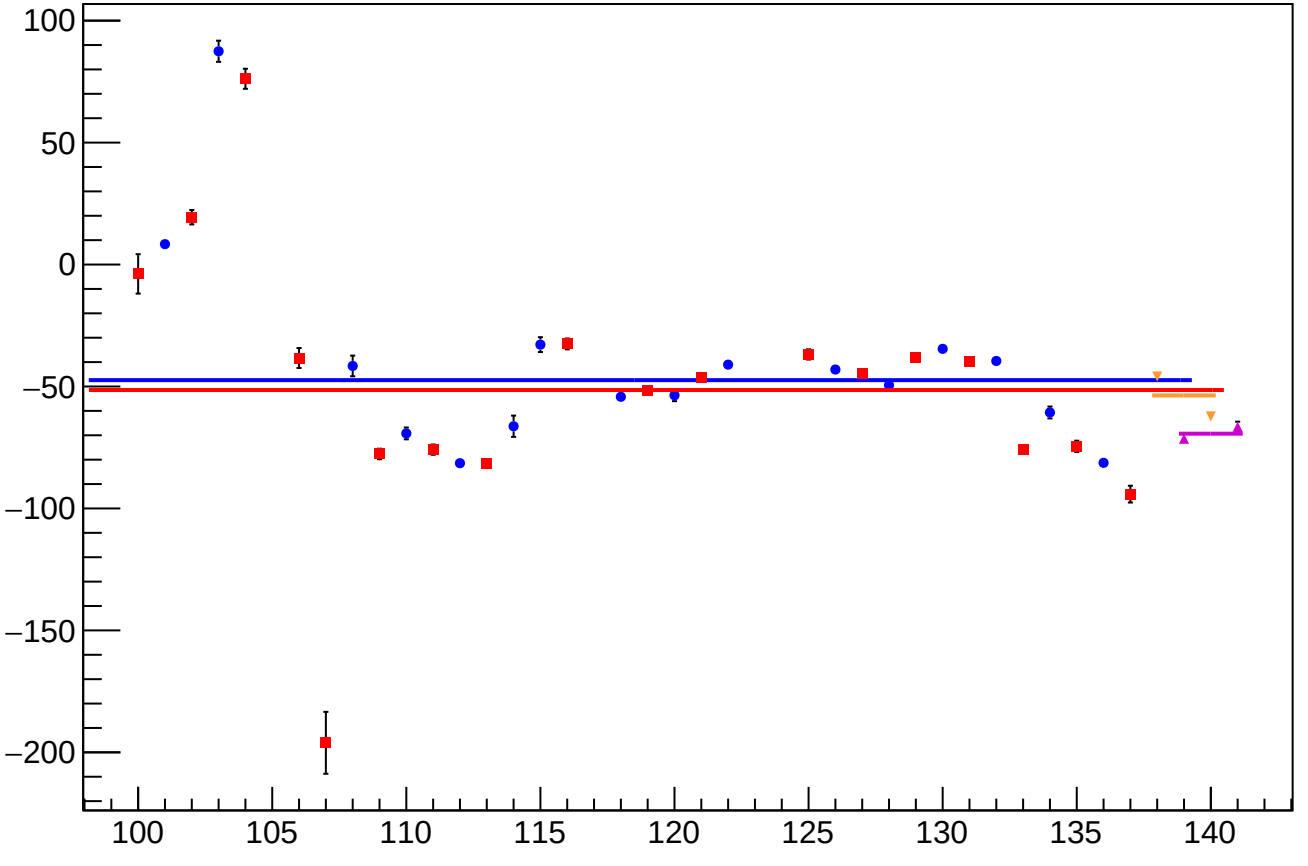
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.554+/-0.027 χ^2/NDF:399775.3/17

Out: 3.664+/-0.028 χ^2/NDF:346085.4/20

All: 3.607+/-0.019 χ^2/NDF: 745868.8/38

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -53.651+/-1.289 χ^2/NDF:40.1/1

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -69.345+/-1.374 χ^2/NDF:3.1/1

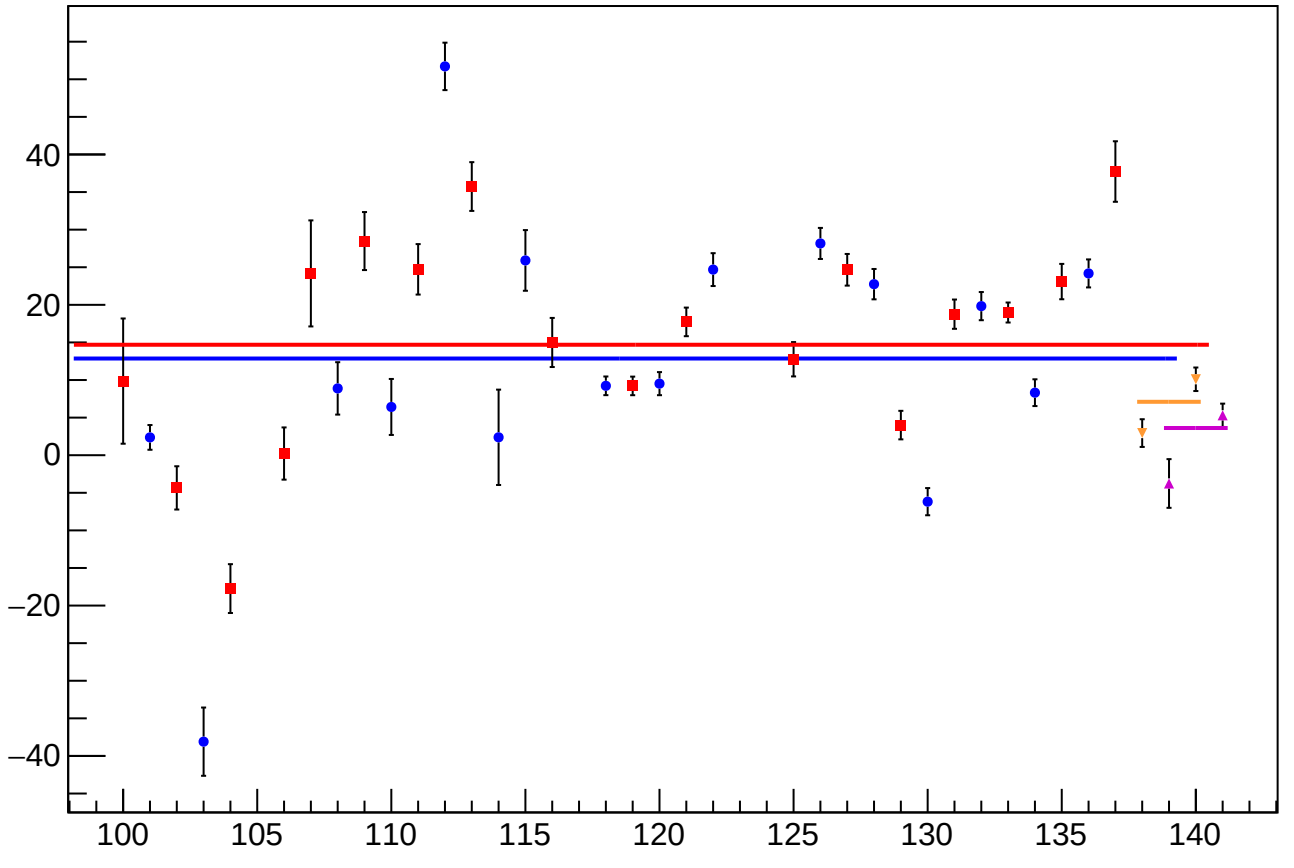
Left: -60.998+/-0.940 χ^2/NDF: 112.6/3

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -50.288+/-0.499 χ^2/NDF:2993.6/17

Out: -51.777+/-0.502 χ^2/NDF:2915.4/19

All: -51.028+/-0.354 χ^2/NDF: 5913.4/37



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 7.103+/-1.192 χ^2/NDF:8.8/1

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 3.618+/-1.398 χ^2/NDF:6.4/1

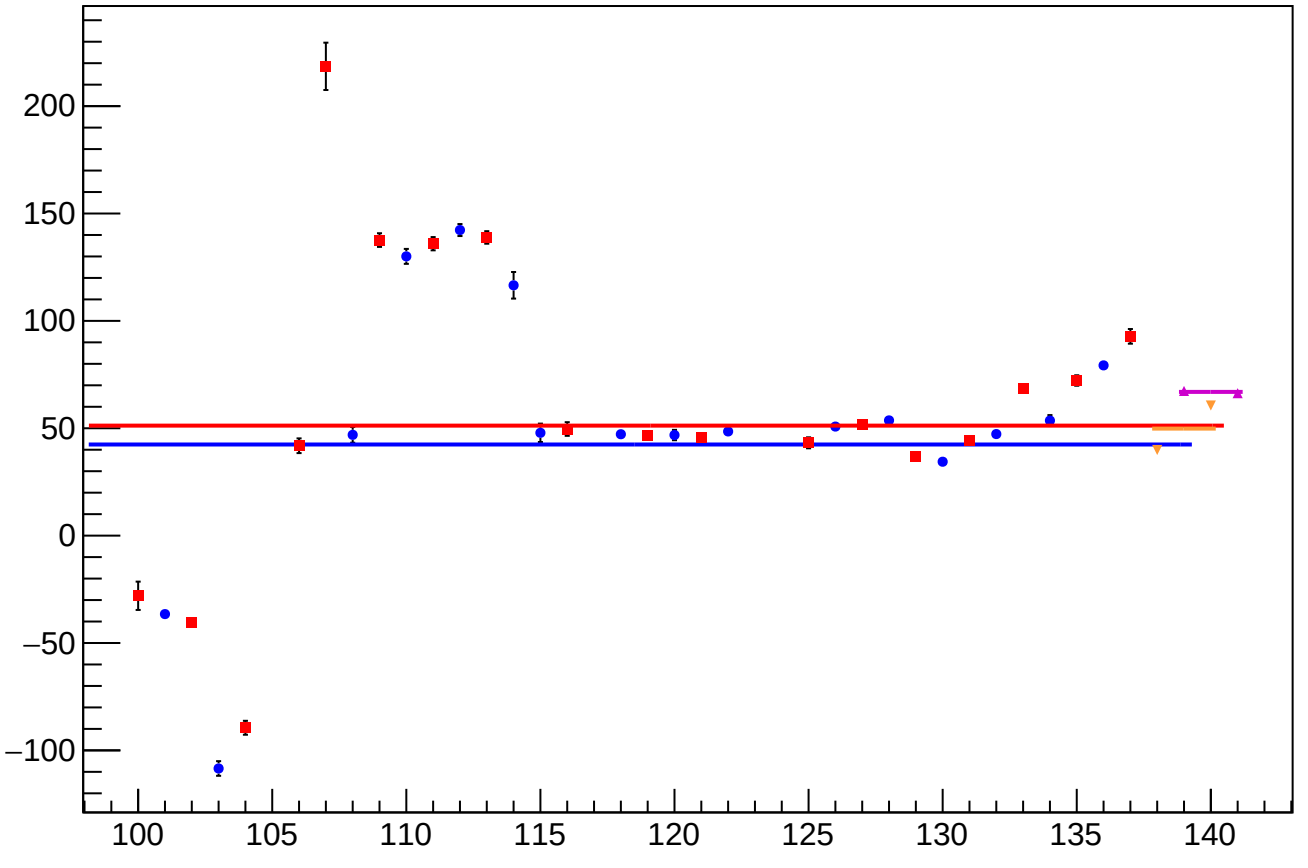
Left: 5.636+/-0.907 χ^2/NDF: 18.7/3

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 11.742+/-0.486 χ^2/NDF:670.3/17

Out: 13.382+/-0.495 χ^2/NDF:406.4/19

All: 12.547+/-0.347 χ^2/NDF: 1082.3/37



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 49.839+/-1.336 χ^2/NDF:60.0/1

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 66.929+/-1.423 χ^2/NDF:0.1/1

Left: 57.845+/-0.974 χ^2/NDF: 136.8/3

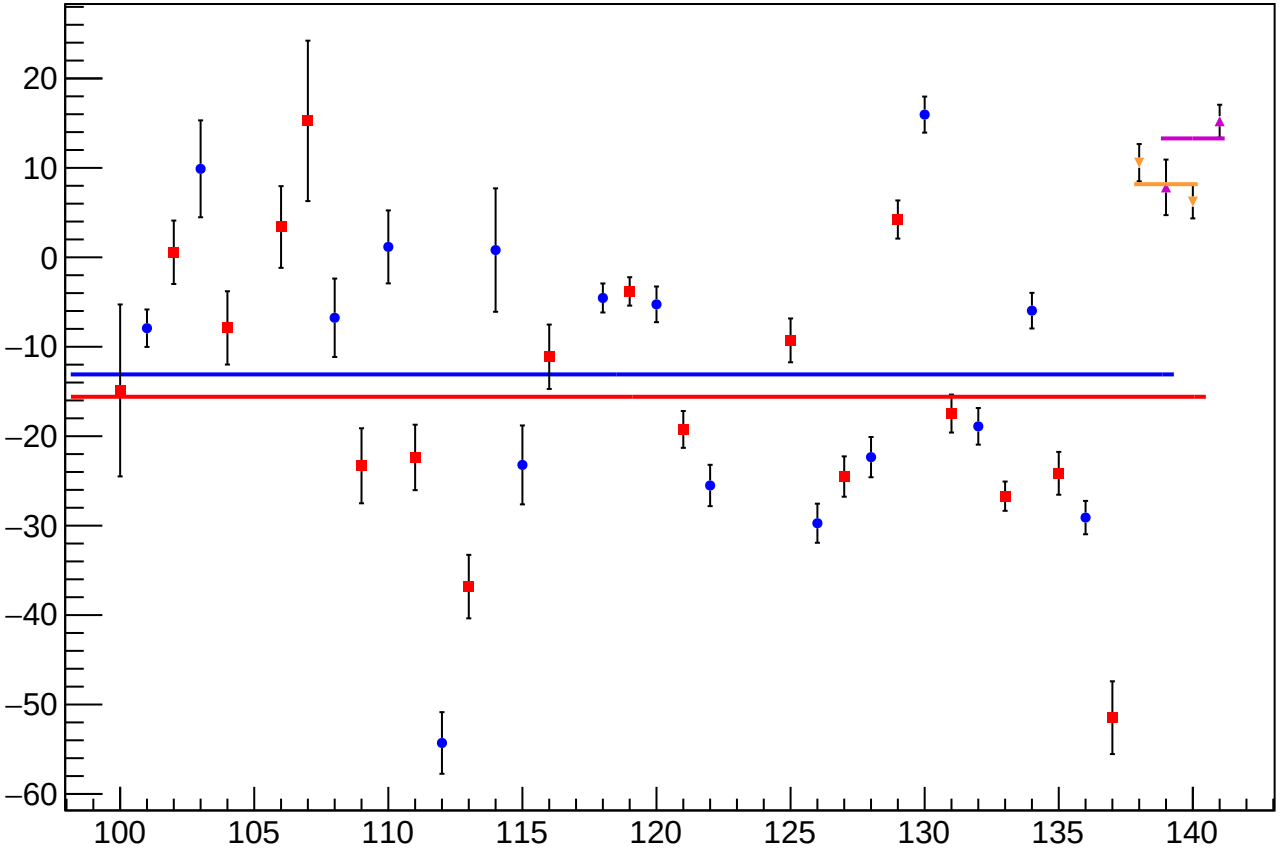
Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 45.970+/-0.541 χ^2/NDF:7422.5/17

Out: 50.983+/-0.558 χ^2/NDF:6672.2/19

All: 48.395+/-0.388 χ^2/NDF: 14136.2/37

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 8.177+/-1.393 χ^2/NDF:2.4/1

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 13.294+/-1.584 χ^2/NDF:4.2/1

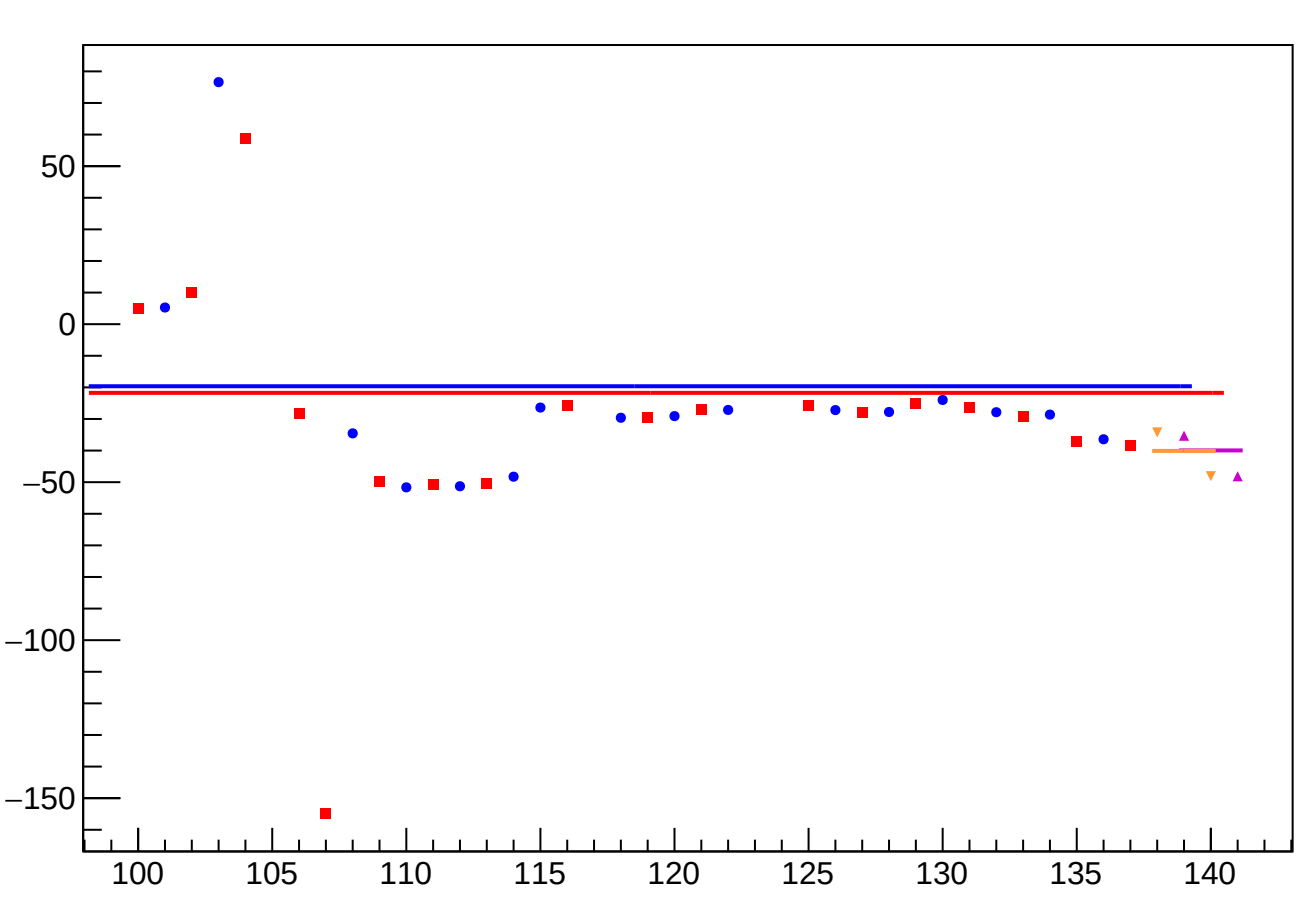
Left: 10.409+/-1.046 χ^2/NDF: 12.5/3

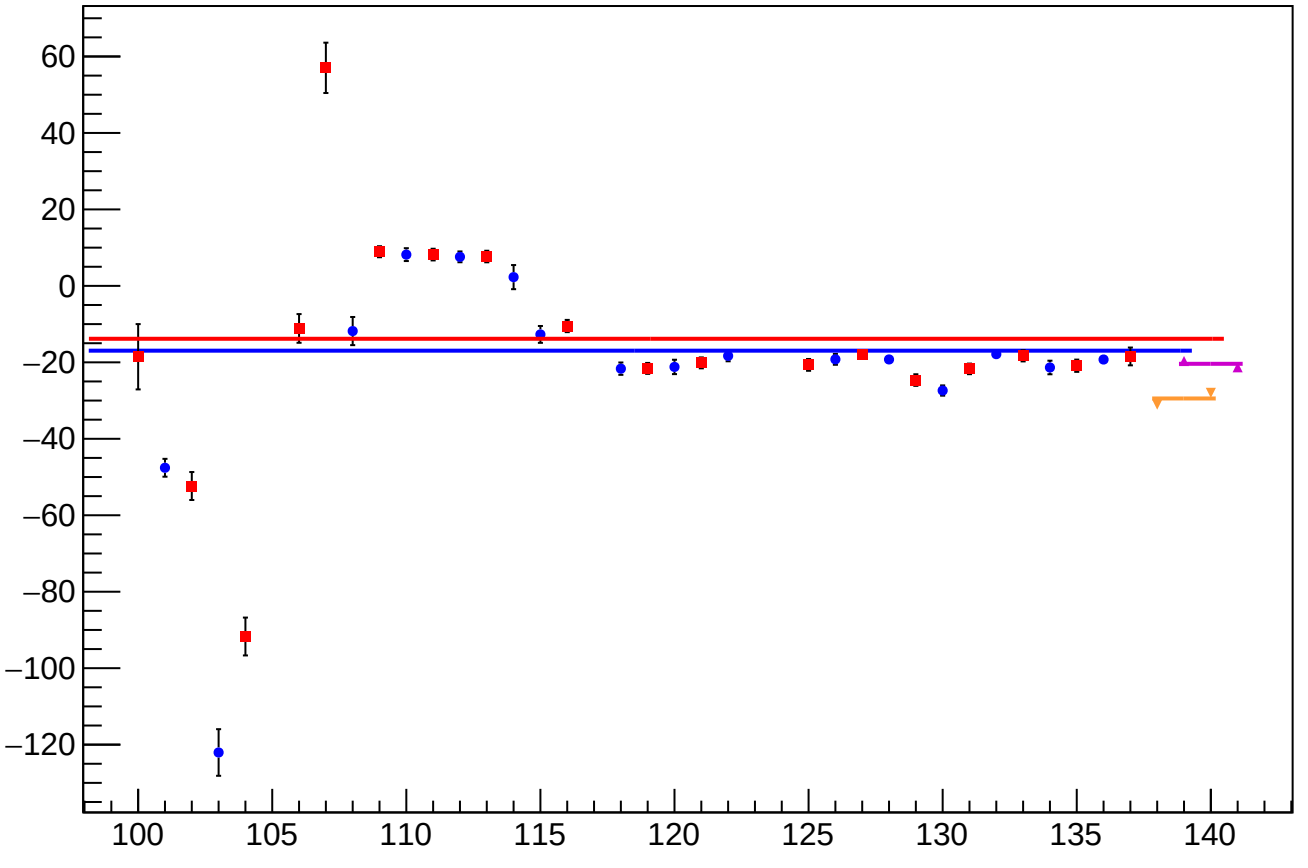
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -9.781+/-0.561 χ^2/NDF:886.8/17

Out: -11.589+/-0.572 χ^2/NDF:646.2/19

All: -10.668+/-0.400 χ^2/NDF: 1538.1/37


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
105
110
115
120
125
130
135
140
Right In: -19.644+/-0.036 χ²/NDF: 646925.7/15
Left Out: -40.101+/-0.056 χ²/NDF:15088.6/1
Right Out: -21.730+/-0.039 χ²/NDF: 546659.9/17
Left In: -39.951+/-0.053 χ²/NDF:13343.3/1
Left: -40.023+/-0.039 χ²/NDF: 28435.8/3
Right: -20.610+/-0.026 χ²/NDF: 1195130.0/33
In: -26.017+/-0.030 χ²/NDF:759508.6/17
Out: -27.747+/-0.032 χ²/NDF:634842.1/19
All: -26.826+/-0.022 χ²/NDF: 1395916.1/37



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -29.452+/-0.829 χ^2/NDF:3.5/1

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -20.385+/-0.868 χ^2/NDF:0.9/1

Left: -25.127+/-0.600 χ^2/NDF: 61.4/3

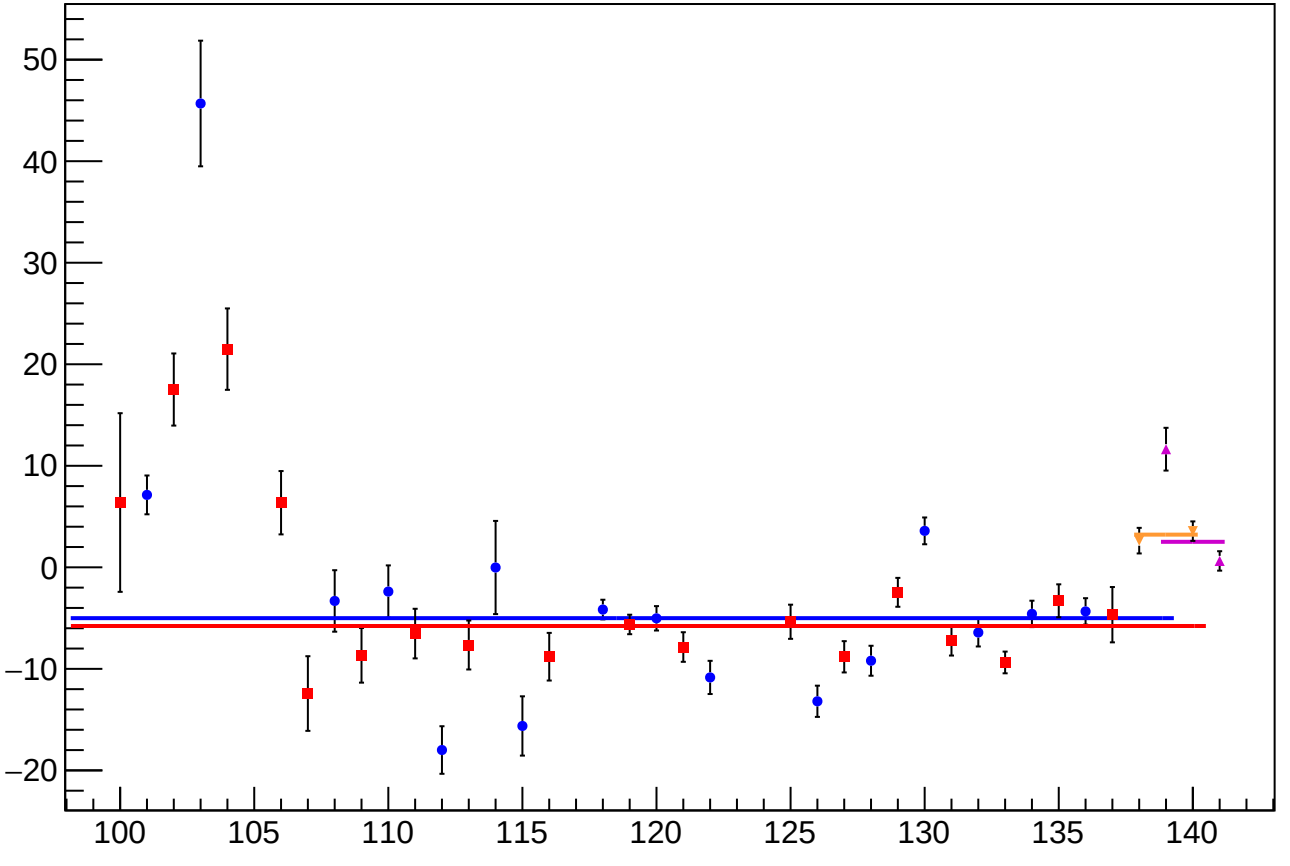
Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -17.560+/-0.366 χ^2/NDF:1142.0/17

Out: -16.895+/-0.367 χ^2/NDF:1621.8/19

All: -17.228+/-0.259 χ^2/NDF: 2765.4/37

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: 3.220+/-0.763 χ^2/NDF:0.3/1

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: 2.512+/-0.871 χ^2/NDF:22.6/1

Left: 2.913+/-0.574 χ^2/NDF: 23.4/3

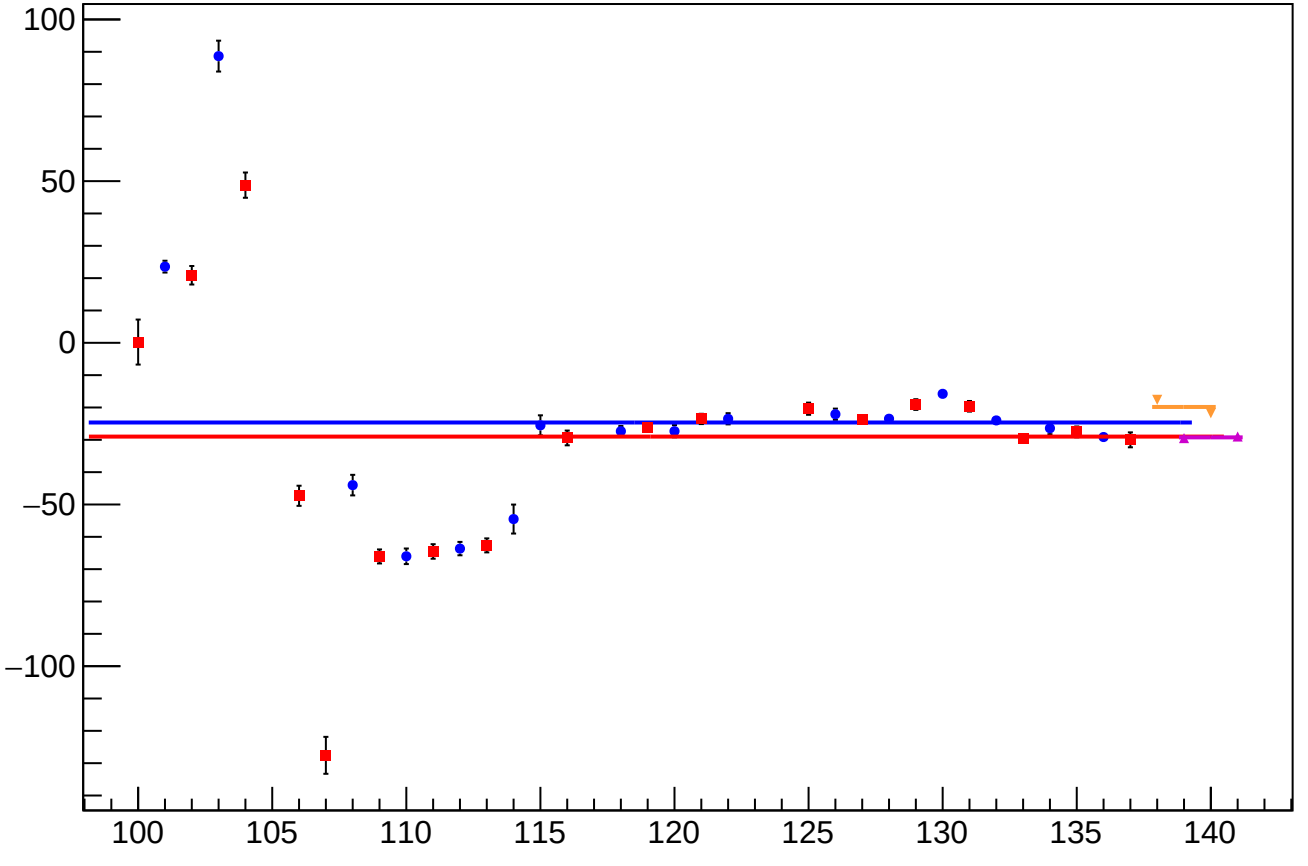
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.689+/-0.364 χ^2/NDF:331.9/17

Out: -3.693+/-0.368 χ^2/NDF:246.4/19

All: -3.691+/-0.259 χ^2/NDF: 578.3/37

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -19.837+/-0.859 χ^2/NDF:5.8/1

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -29.242+/-0.898 χ^2/NDF:0.1/1

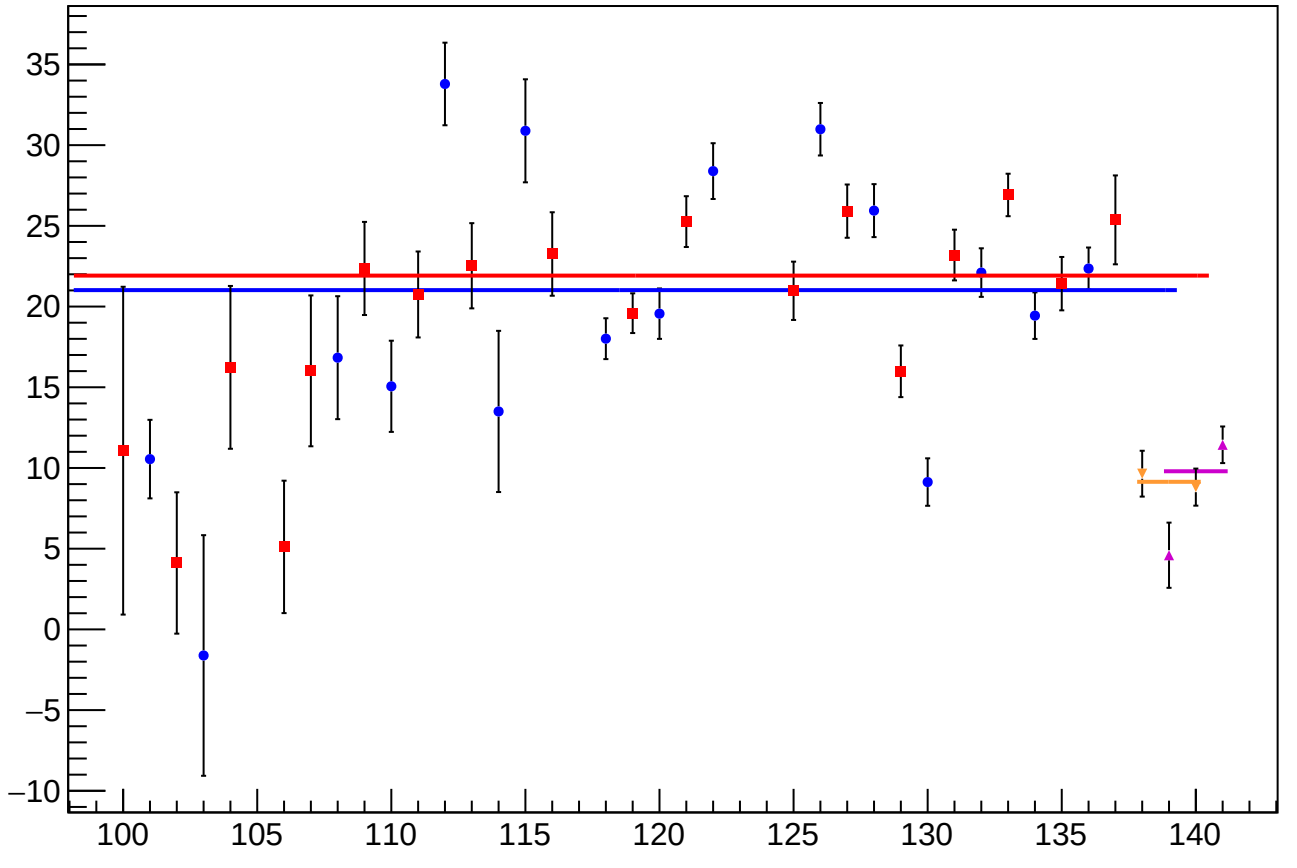
Left: -24.328+/-0.621 χ^2/NDF: 63.2/3

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -25.580+/-0.406 χ^2/NDF:2072.8/17

Out: -26.854+/-0.416 χ^2/NDF:2045.3/19

All: -26.202+/-0.290 χ^2/NDF: 4122.9/37



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 9.143+/-0.893 χ^2/NDF:0.2/1

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 9.796+/-0.989 χ^2/NDF:8.7/1

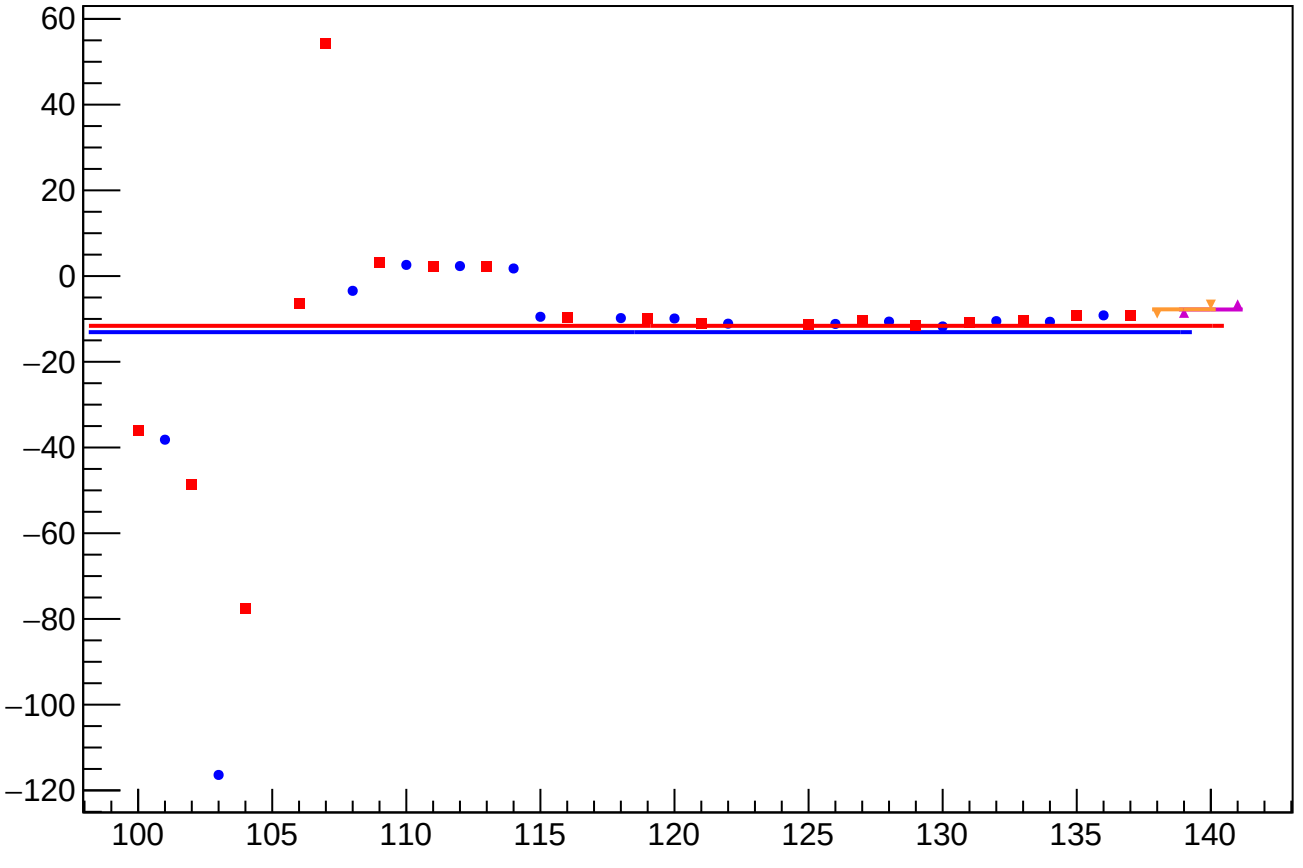
Left: 9.437+/-0.663 χ^2/NDF: 9.2/3

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 19.036+/-0.416 χ^2/NDF:324.4/17

Out: 19.068+/-0.422 χ^2/NDF:241.8/19

All: 19.052+/-0.296 χ^2/NDF: 566.2/37



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -7.761+/-0.036 χ^2/NDF:830.3/1

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -7.799+/-0.034 χ^2/NDF:801.5/1

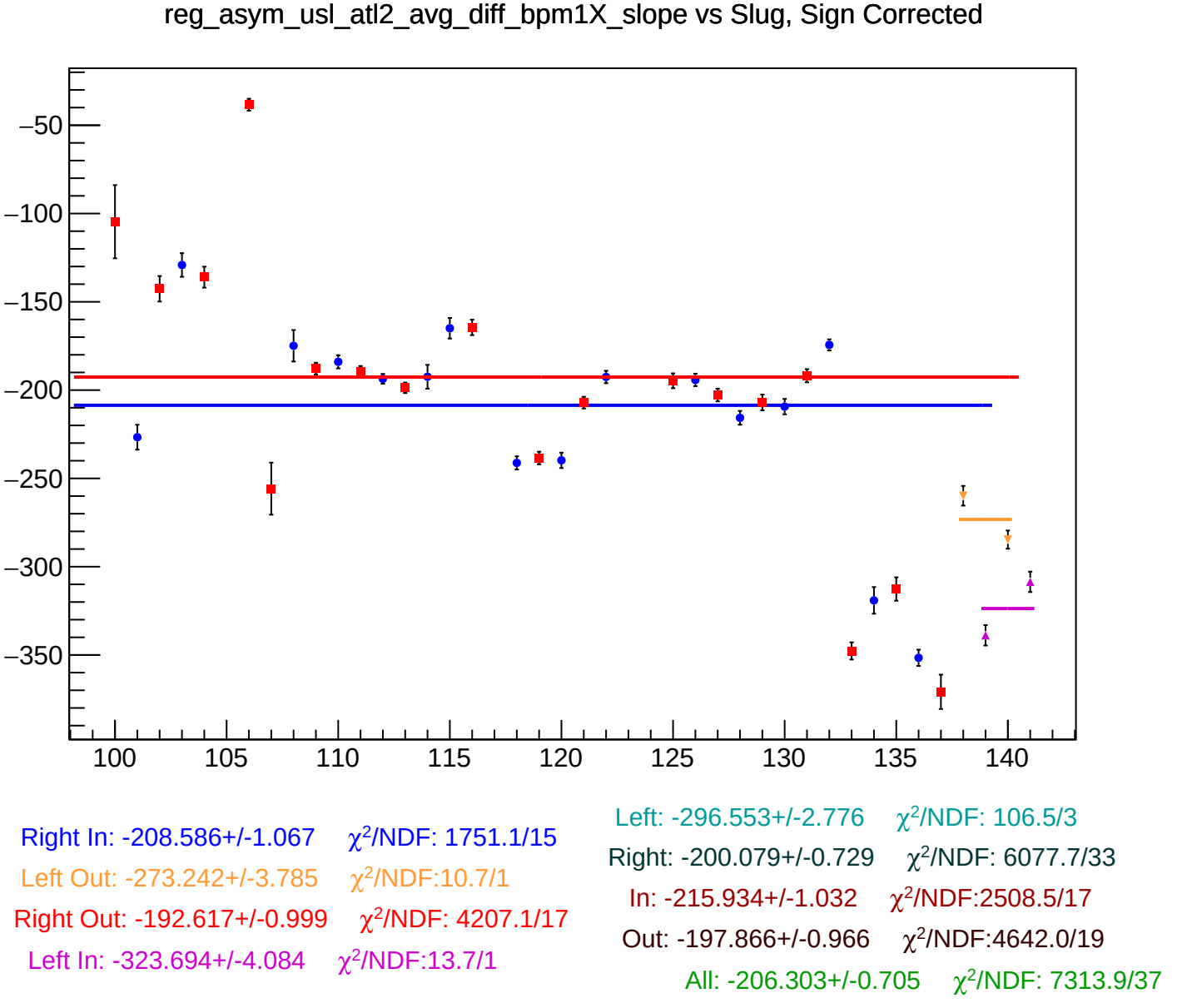
Left: -7.781+/-0.025 χ^2/NDF: 1632.4/3

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

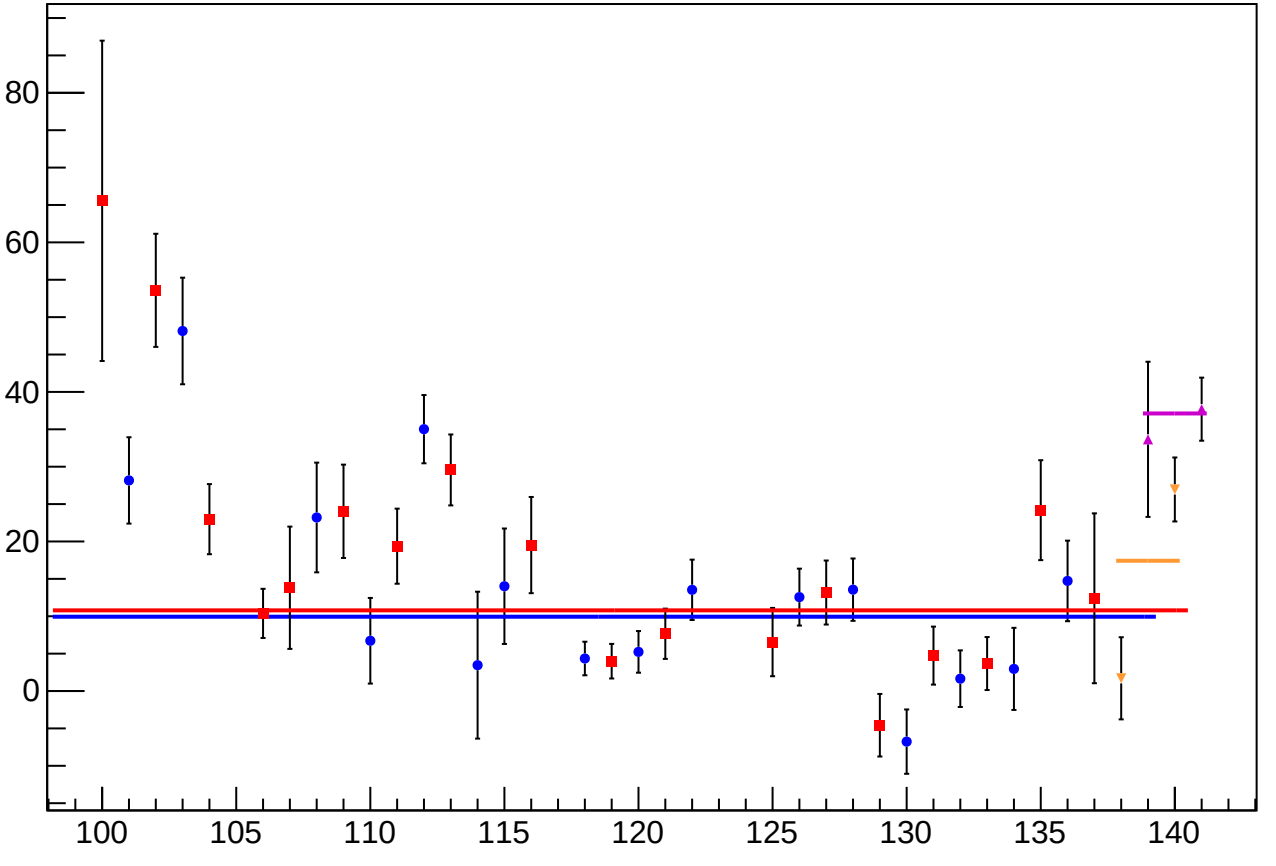
In: -10.907+/-0.022 χ^2/NDF:360014.9/17

Out: -9.972+/-0.023 χ^2/NDF:321618.9/19

All: -10.473+/-0.016 χ^2/NDF: 682488.4/37


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
105
110
115
120
125
130
135
140
Right In: -208.586+/-1.067 χ²/NDF: 1751.1/15
Left Out: -273.242+/-3.785 χ²/NDF:10.7/1
Right Out: -192.617+/-0.999 χ²/NDF: 4207.1/17
Left In: -323.694+/-4.084 χ²/NDF:13.7/1
Left: -296.553+/-2.776 χ²/NDF: 106.5/3
Right: -200.079+/-0.729 χ²/NDF: 6077.7/33
In: -215.934+/-1.032 χ²/NDF:2508.5/17
Out: -197.866+/-0.966 χ²/NDF:4642.0/19
All: -206.303+/-0.705 χ²/NDF: 7313.9/37

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 17.420+/-3.375 χ^2/NDF:13.2/1

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 37.120+/-3.907 χ^2/NDF:0.1/1

Left: 25.839+/-2.554 χ^2/NDF: 27.8/3

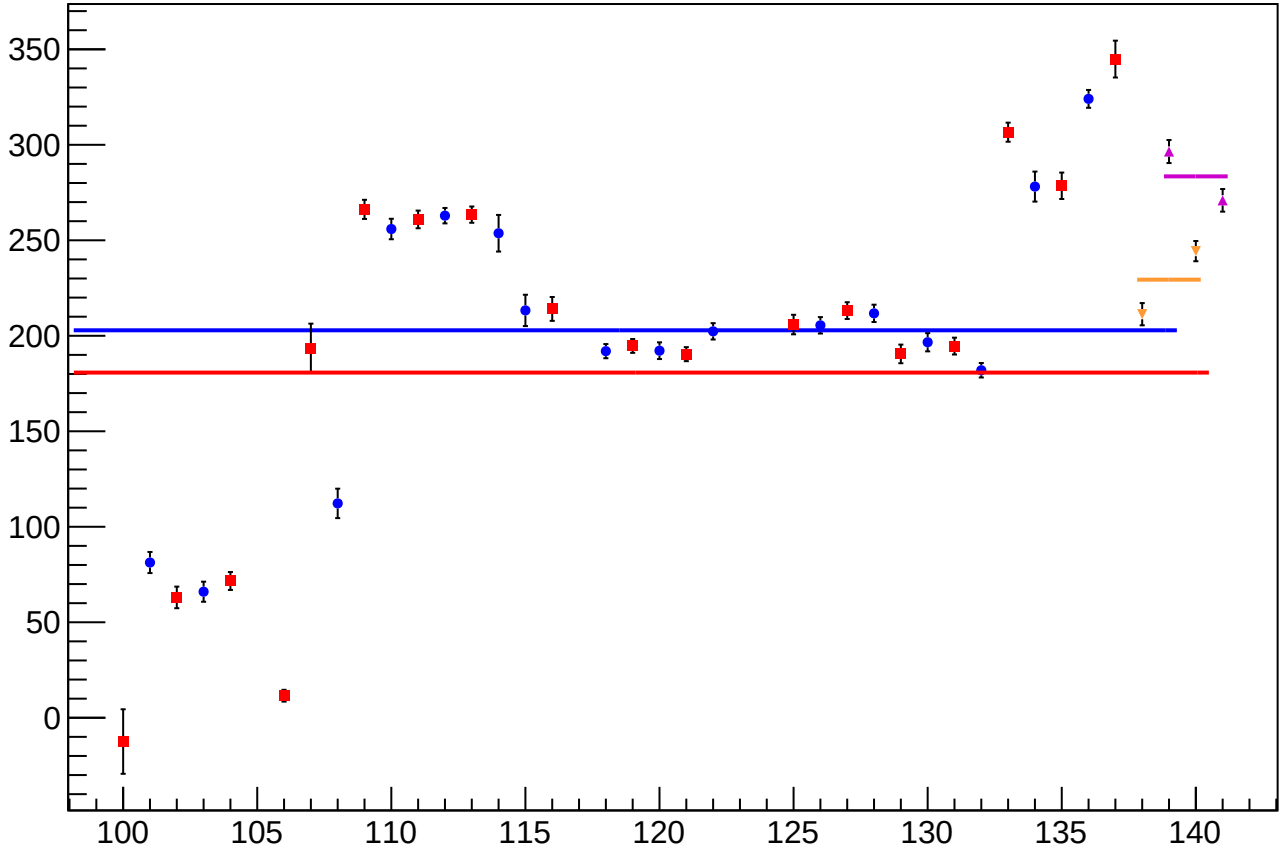
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 11.820+/-1.028 χ^2/NDF:151.7/17

Out: 11.367+/-0.997 χ^2/NDF:121.8/19

All: 11.586+/-0.716 χ^2/NDF: 273.6/37

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 229.387+/-3.918 χ^2/NDF:17.6/1

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 283.473+/-4.224 χ^2/NDF:9.1/1

Left: 254.399+/-2.872 χ^2/NDF: 114.9/3

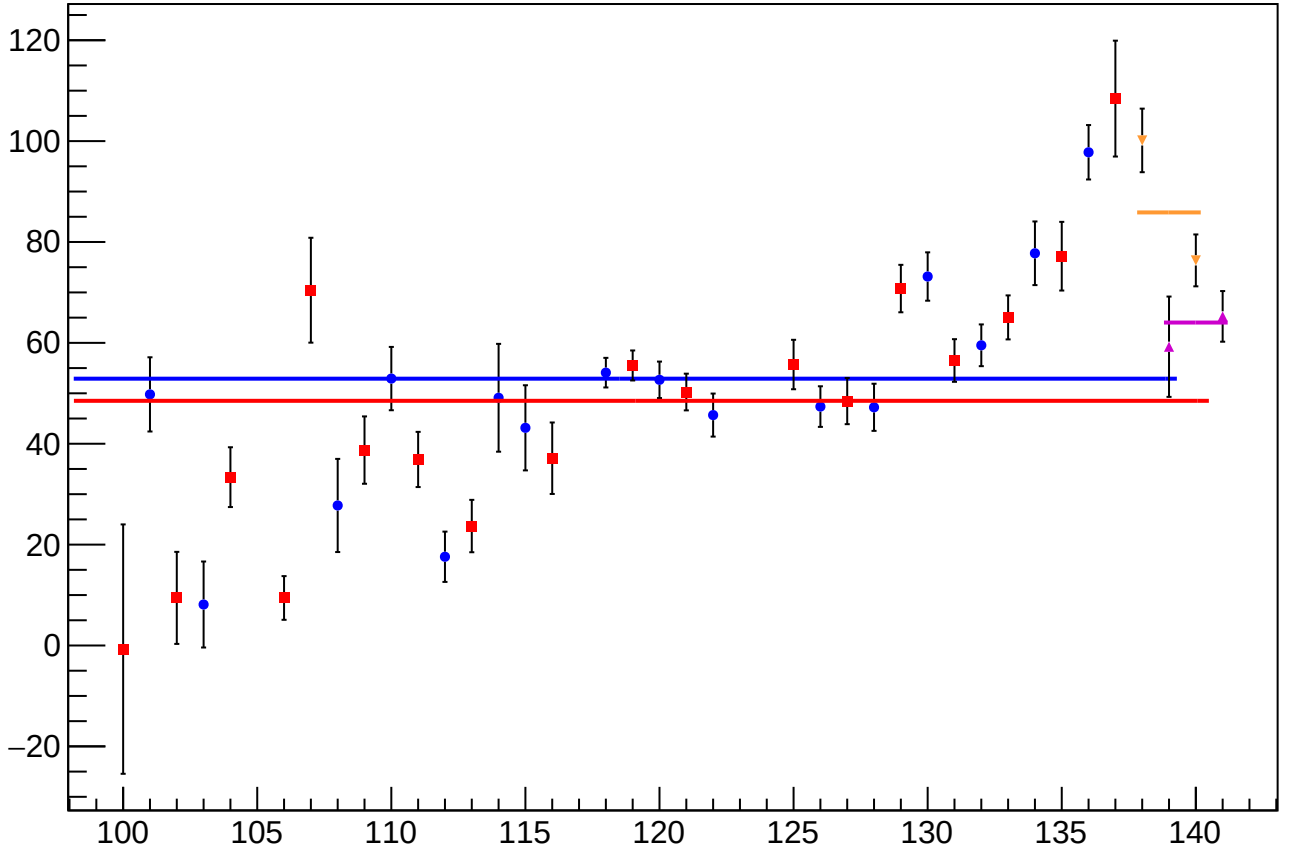
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 209.132+/-1.177 χ^2/NDF:2809.2/17

Out: 184.551+/-1.098 χ^2/NDF:6507.6/19

All: 195.987+/-0.803 χ^2/NDF: 9550.0/37

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 85.860+/-3.985 χ^2/NDF:8.6/1

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 64.028+/-4.482 χ^2/NDF:0.3/1

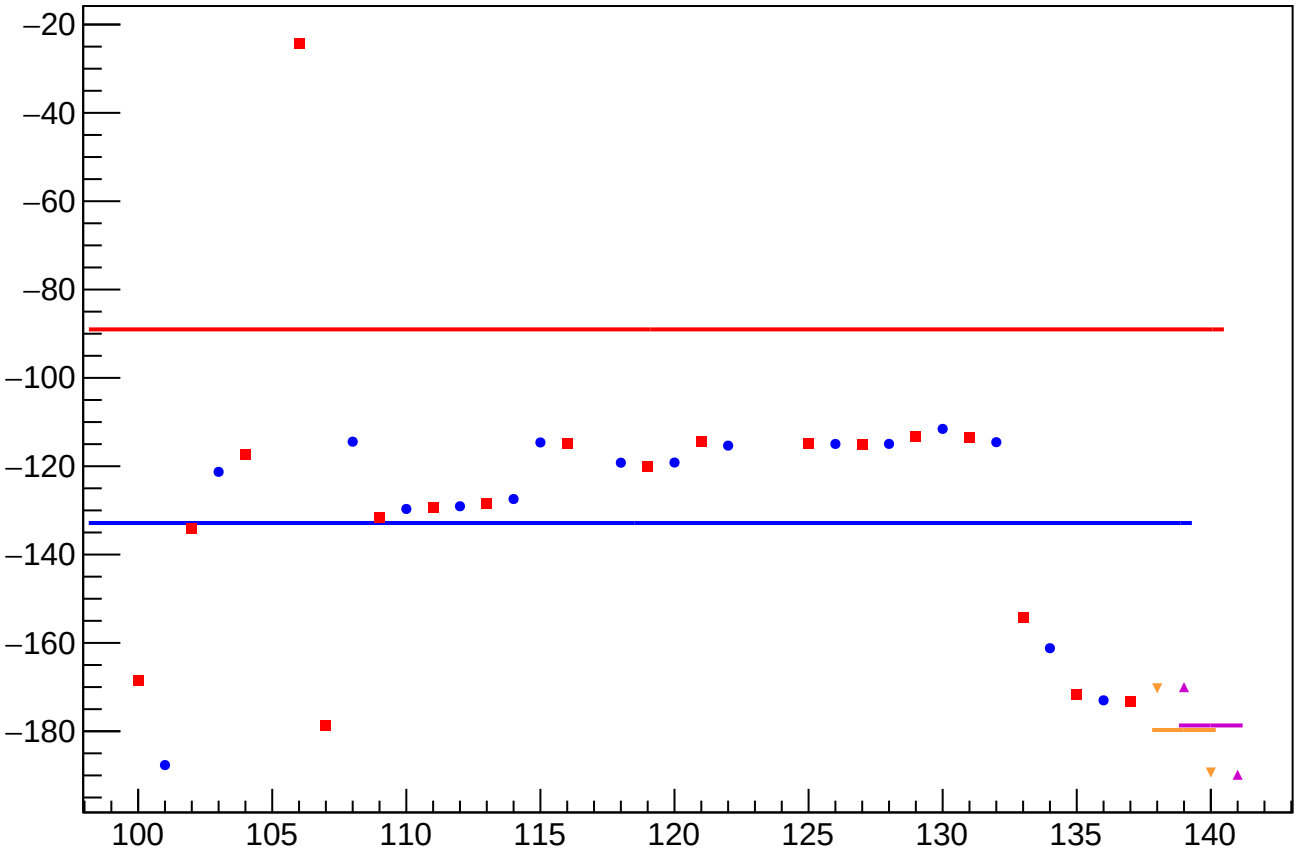
Left: 76.222+/-2.978 χ^2/NDF: 22.1/3

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 53.692+/-1.196 χ^2/NDF:204.3/17

Out: 51.684+/-1.162 χ^2/NDF:329.0/19

All: 52.658+/-0.833 χ^2/NDF: 534.7/37



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -179.725+/-0.166 χ^2/NDF:3280.6/1

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -178.688+/-0.161 χ^2/NDF:3741.9/1

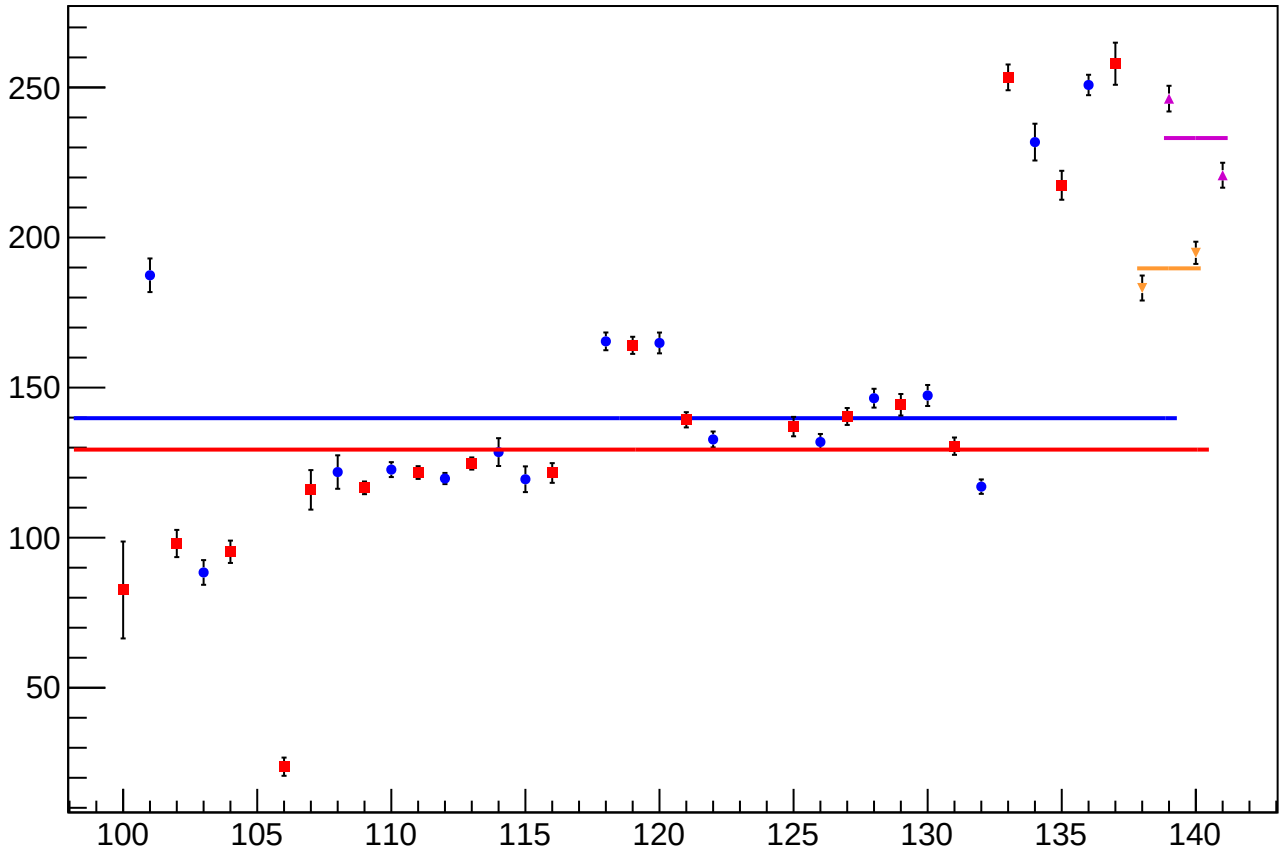
Left: -179.189+/-0.116 χ^2/NDF: 7042.7/3

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -142.198+/-0.073 χ^2/NDF:161934.4/17

Out: -100.772+/-0.060 χ^2/NDF:990280.6/19

All: -117.542+/-0.046 χ^2/NDF: 1346048.9/37



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 189.725+/-2.765 χ^2/NDF:4.4/1

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 233.141+/-2.983 χ^2/NDF:18.3/1

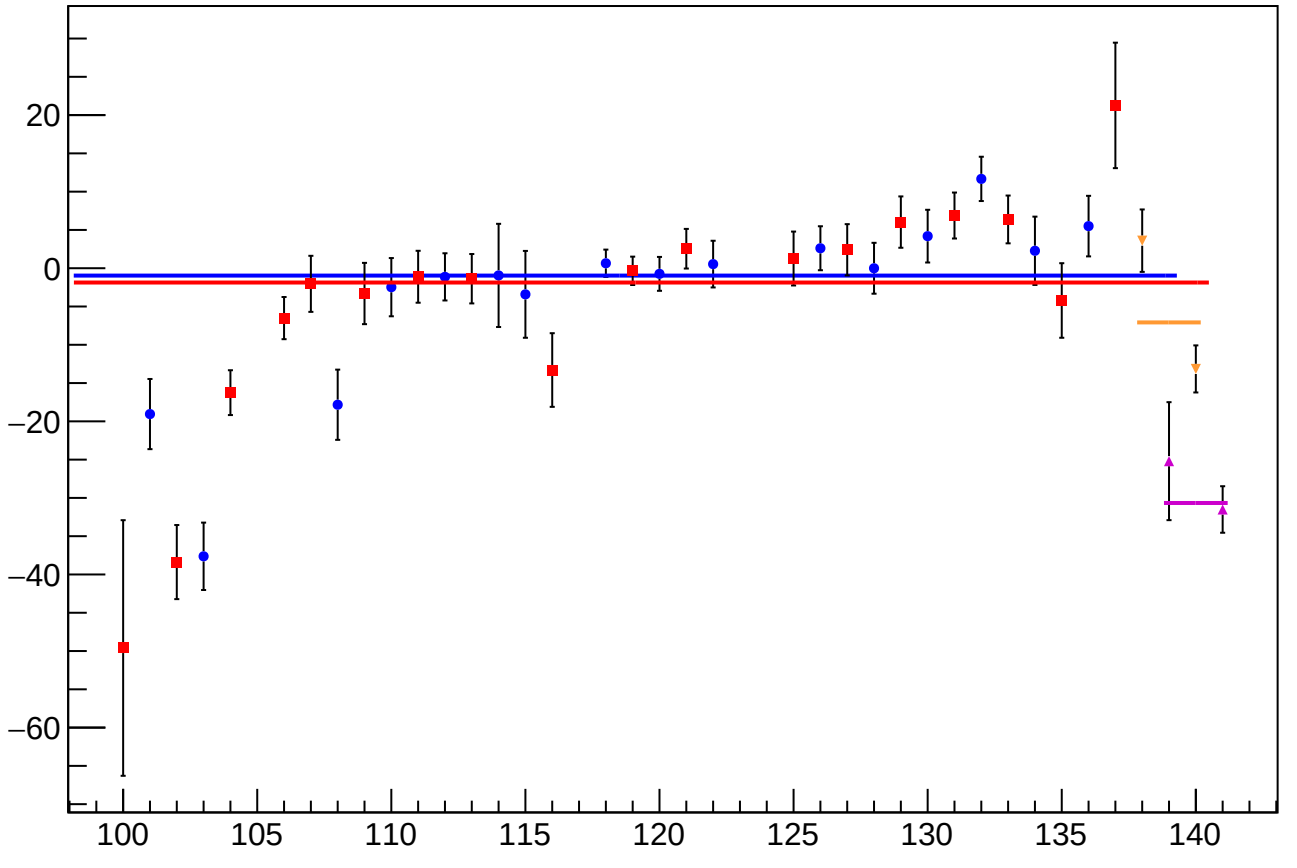
Left: 209.793+/-2.028 χ^2/NDF: 136.7/3

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 145.850+/-0.759 χ^2/NDF:2899.0/17

Out: 133.321+/-0.710 χ^2/NDF:3573.3/19

All: 139.167+/-0.518 χ^2/NDF: 6617.8/37



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -7.079+/-2.454 χ^2/NDF:10.8/1

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -30.663+/-2.826 χ^2/NDF:0.6/1

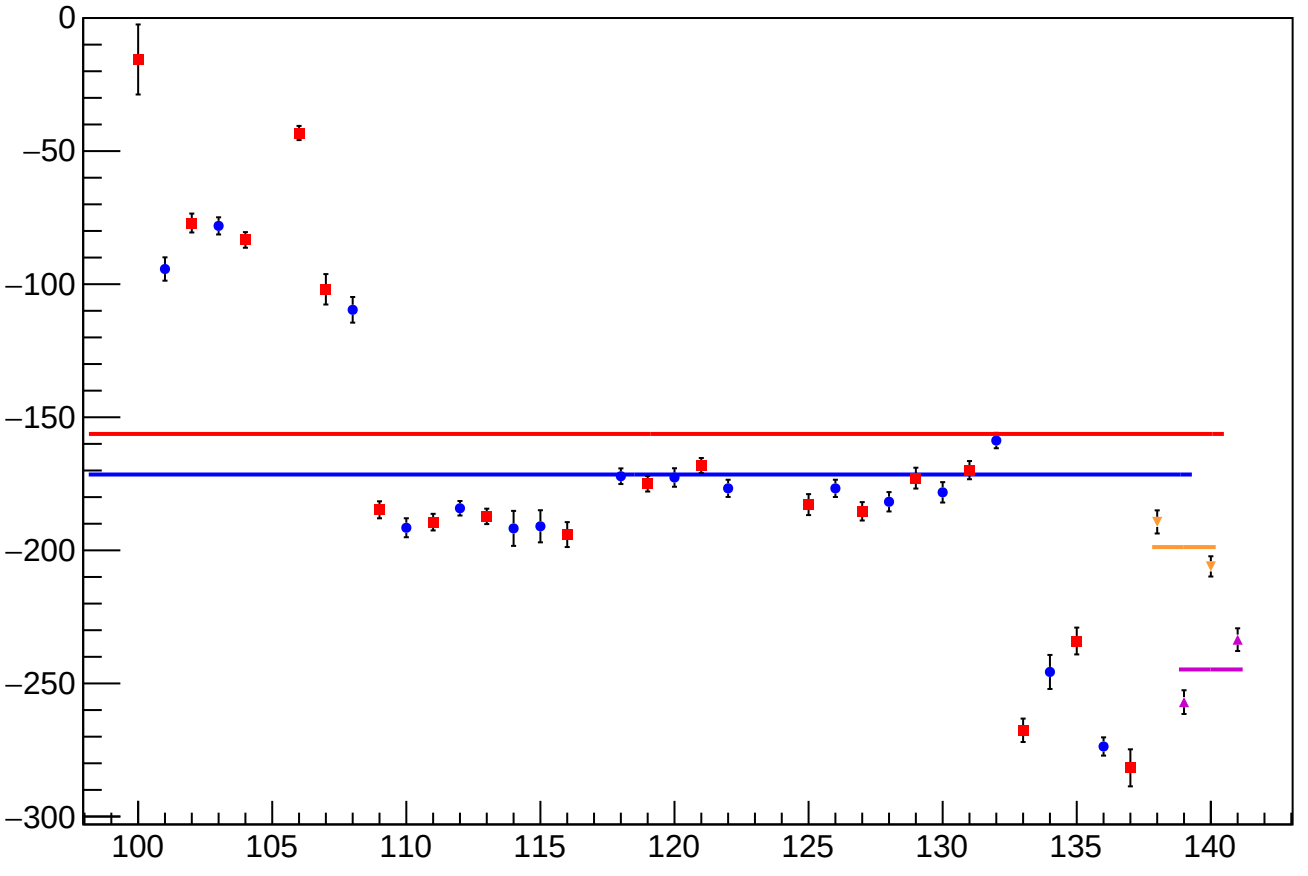
Left: -17.219+/-1.853 χ^2/NDF: 51.0/3

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -3.208+/-0.777 χ^2/NDF:228.7/17

Out: -2.351+/-0.746 χ^2/NDF:148.0/19

All: -2.762+/-0.538 χ^2/NDF: 377.4/37



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -198.769+/-2.861 χ^2/NDF:8.4/1

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -244.748+/-3.083 χ^2/NDF:14.4/1

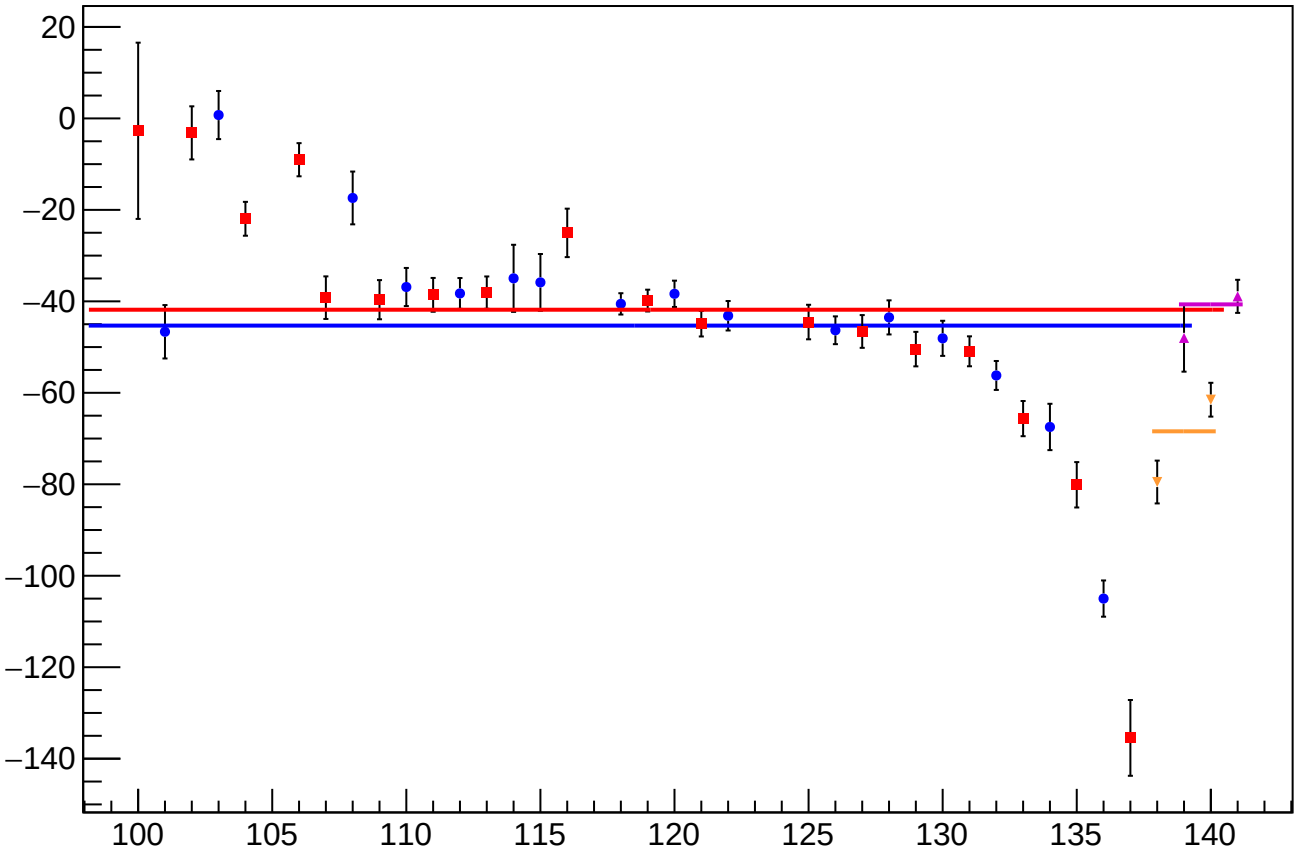
Left: -220.044+/-2.097 χ^2/NDF: 142.3/3

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -177.337+/-0.870 χ^2/NDF:2976.6/17

Out: -159.687+/-0.812 χ^2/NDF:5115.6/19

All: -167.909+/-0.594 χ^2/NDF: 8312.0/37



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -68.420+/-2.901 χ^2/NDF:9.1/1

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -40.664+/-3.248 χ^2/NDF:1.2/1

Left: -56.103+/-2.164 χ^2/NDF: 50.9/3

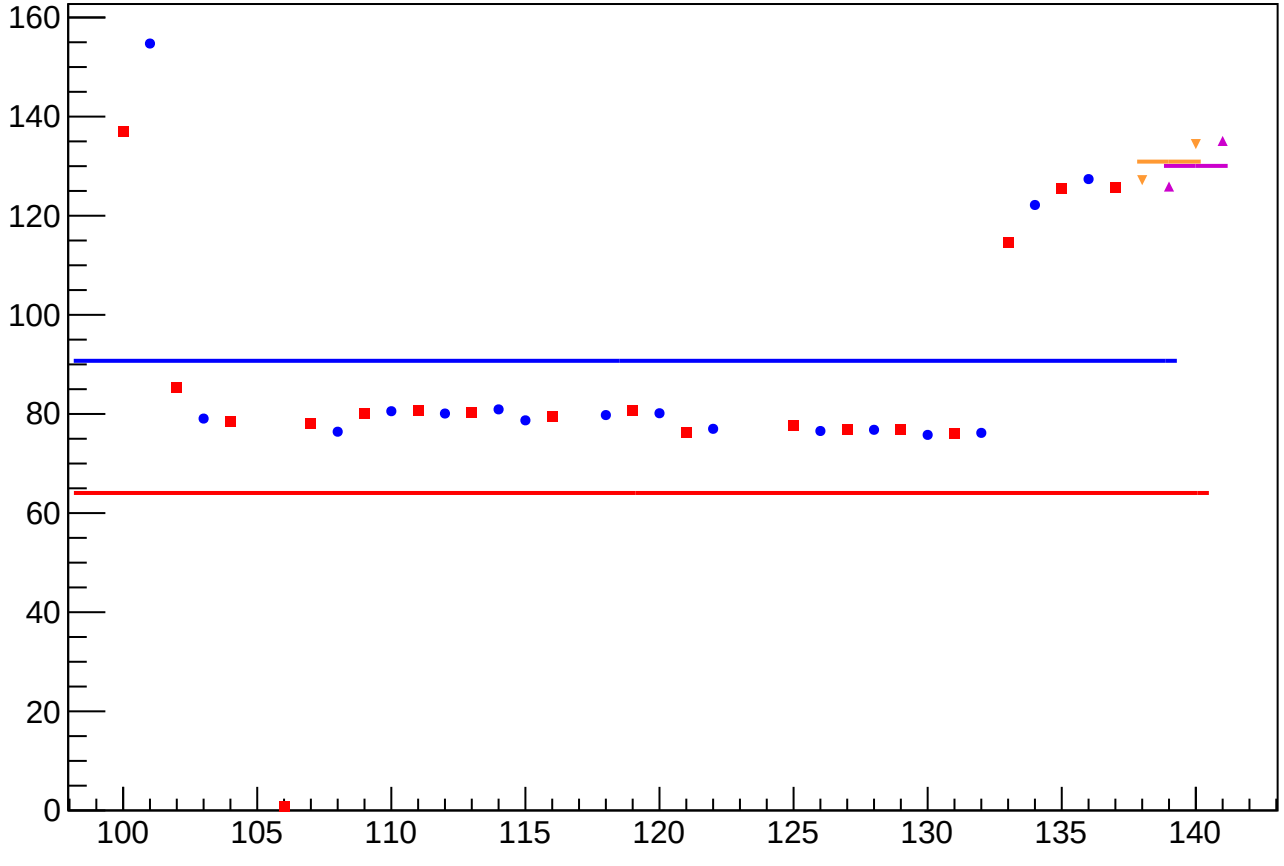
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -44.947+/-0.901 χ^2/NDF:385.1/17

Out: -44.211+/-0.868 χ^2/NDF:499.8/19

All: -44.565+/-0.625 χ^2/NDF: 885.3/37

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 130.919+/-0.122 χ^2/NDF:893.2/1

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 130.055+/-0.118 χ^2/NDF:1512.6/1

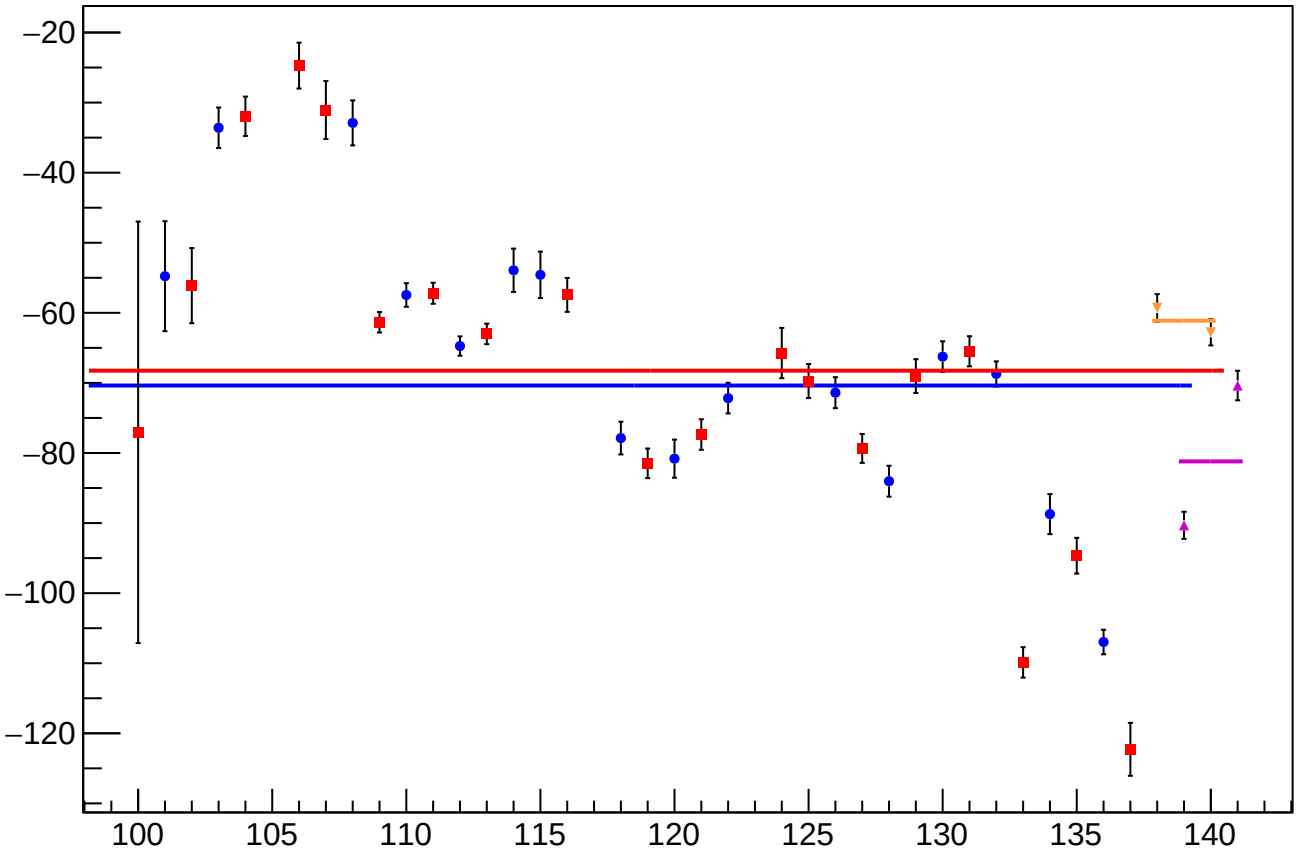
Left: 130.472+/-0.085 χ^2/NDF: 2431.7/3

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 98.506+/-0.052 χ^2/NDF:252129.3/17

Out: 73.474+/-0.046 χ^2/NDF:920862.0/19

All: 84.291+/-0.034 χ^2/NDF: 1302684.3/37



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -61.122+/-1.356 χ^2/NDF:1.6/1

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -81.202+/-1.425 χ^2/NDF:48.6/1

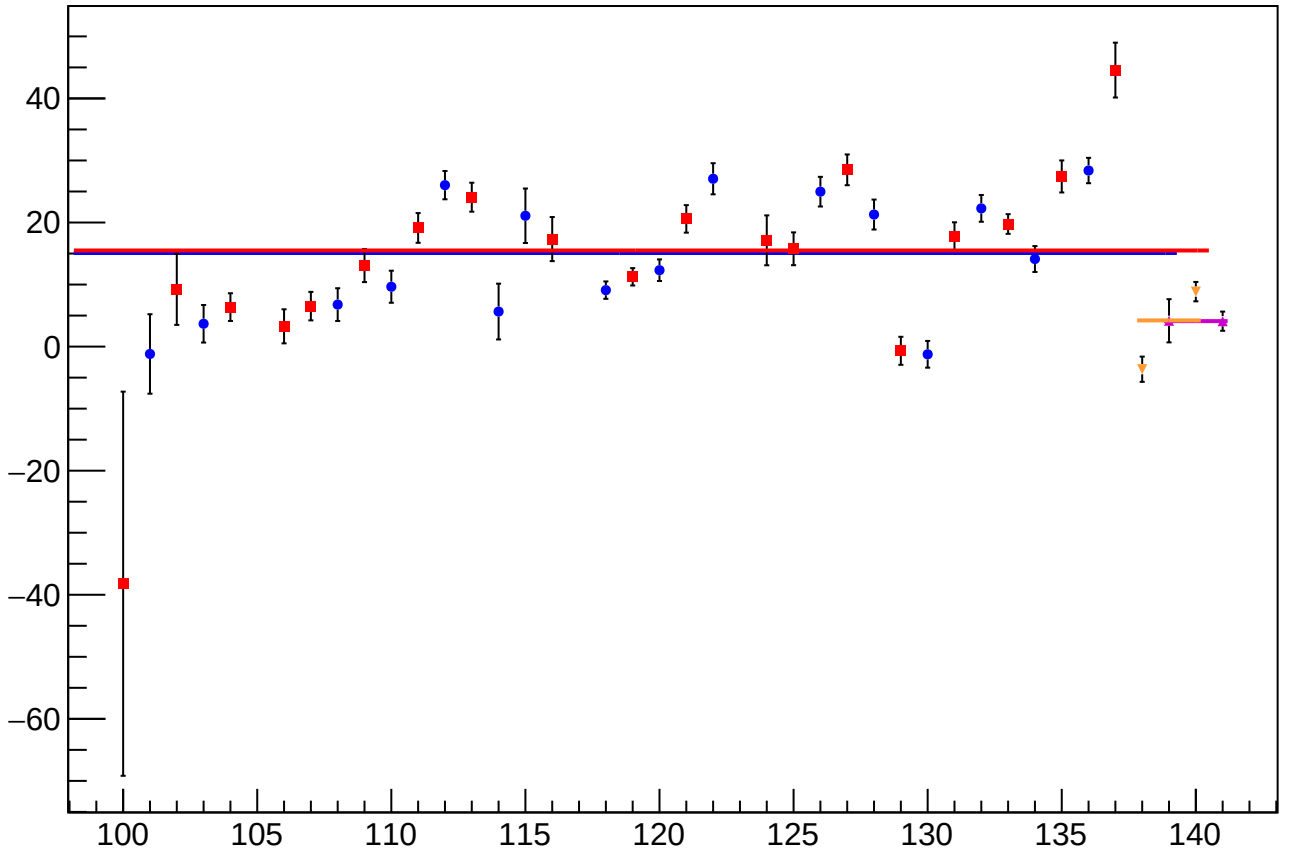
Left: -70.658+/-0.982 χ^2/NDF: 154.4/3

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -71.812+/-0.519 χ^2/NDF:1073.5/17

Out: -67.317+/-0.491 χ^2/NDF:1331.6/20

All: -69.438+/-0.357 χ^2/NDF: 2444.7/38



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 4.219+/-1.239 χ^2/NDF:23.8/1

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 4.107+/-1.414 χ^2/NDF:0.0/1

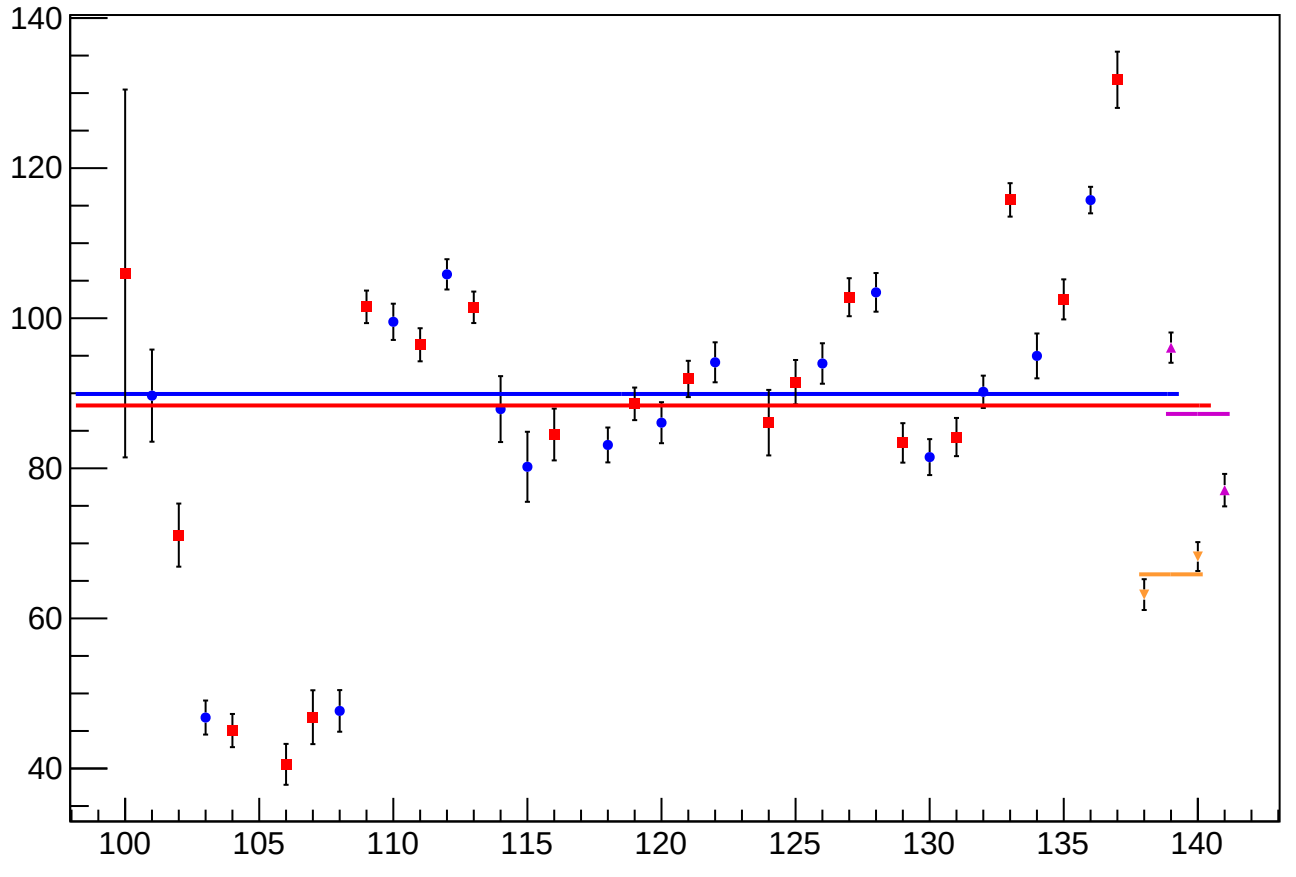
Left: 4.171+/-0.932 χ^2/NDF: 23.8/3

Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 13.506+/-0.537 χ^2/NDF:294.1/17

Out: 13.589+/-0.509 χ^2/NDF:331.9/20

All: 13.550+/-0.369 χ^2/NDF: 626.0/38



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 65.872+/-1.404 χ^2/NDF:3.2/1

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 87.249+/-1.475 χ^2/NDF:41.2/1

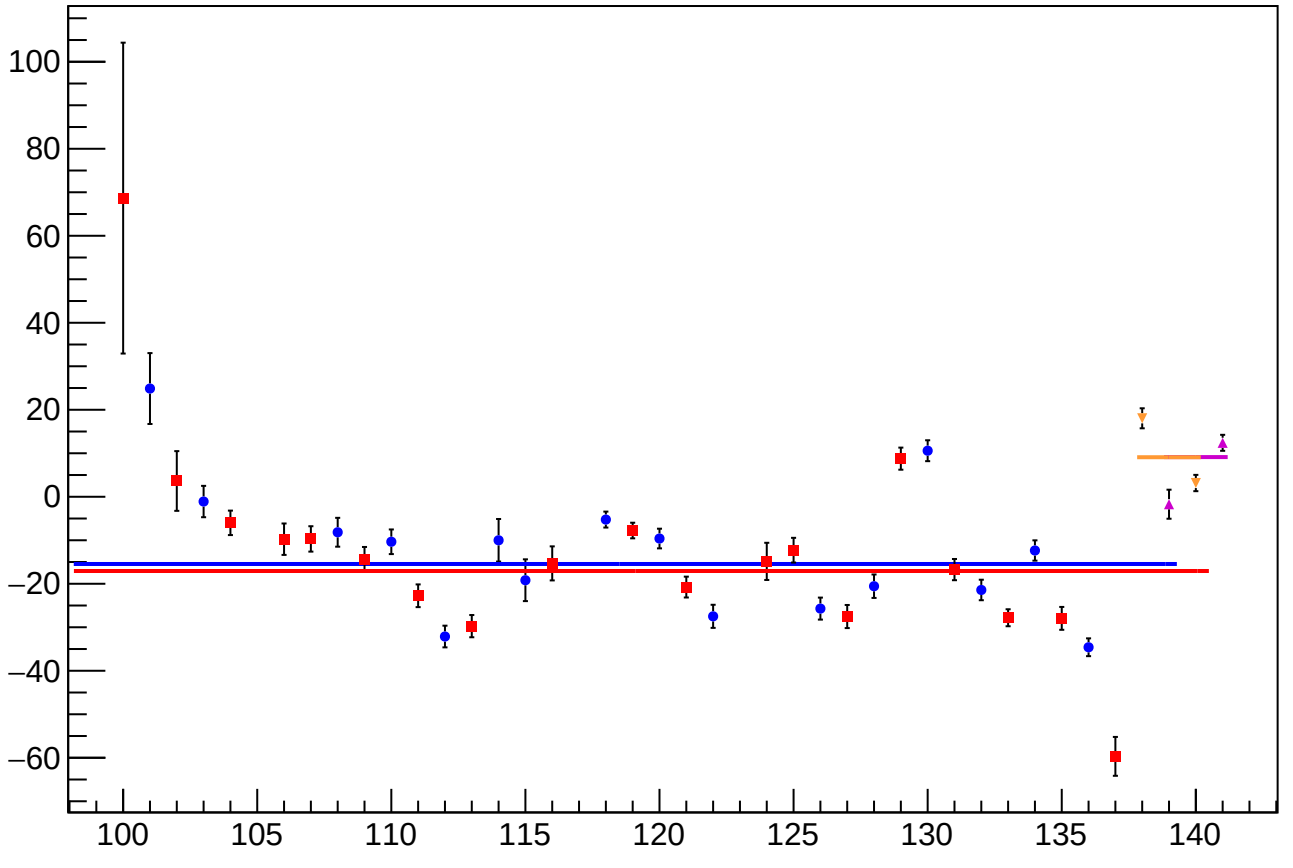
Left: 76.033+/-1.017 χ^2/NDF: 154.7/3

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 89.485+/-0.588 χ^2/NDF:991.7/17

Out: 84.728+/-0.565 χ^2/NDF:1507.4/20

All: 87.014+/-0.407 χ^2/NDF: 2533.1/38



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 9.087+/-1.452 χ^2/NDF:25.2/1

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 9.122+/-1.609 χ^2/NDF:13.7/1

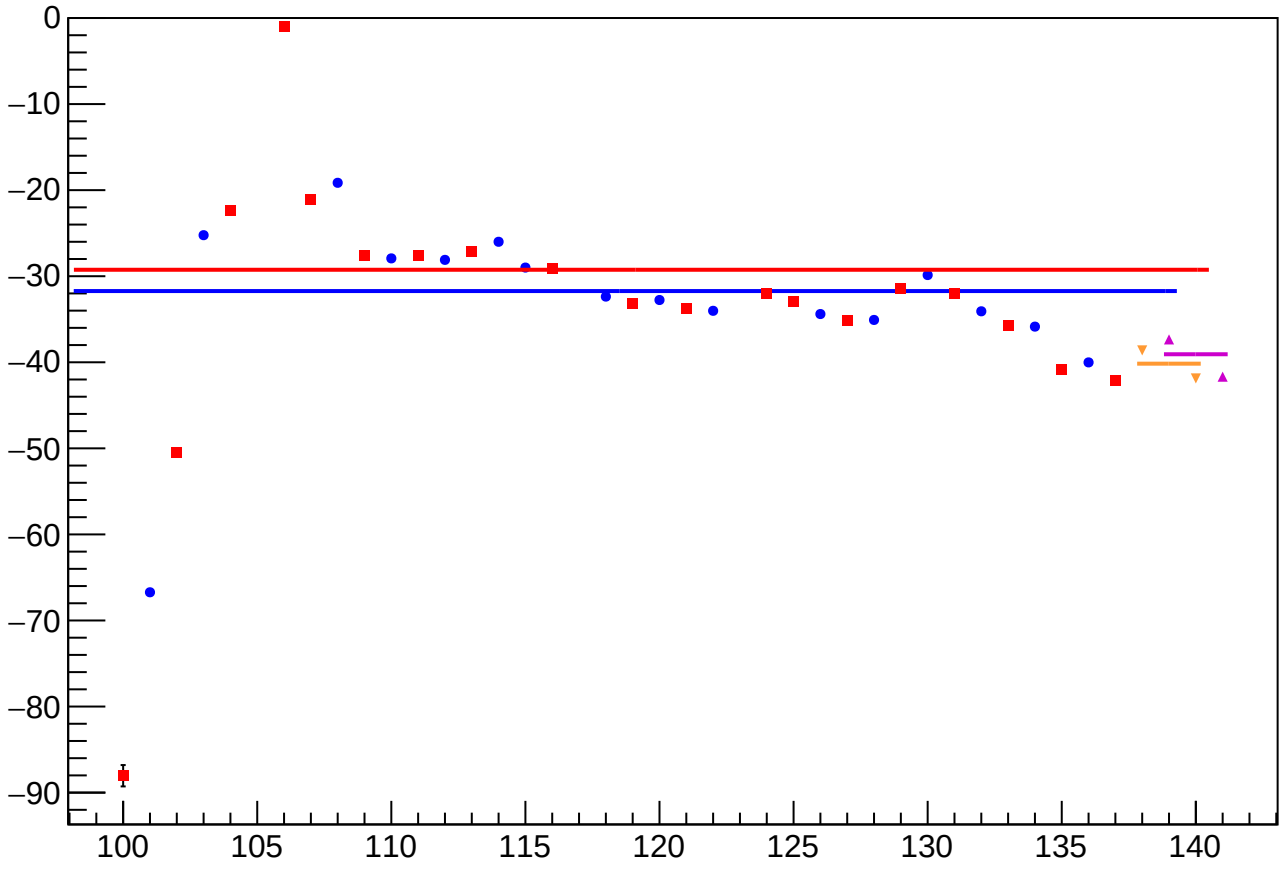
Left: 9.103+/-1.078 χ^2/NDF: 38.9/3

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -11.865+/-0.615 χ^2/NDF:599.4/17

Out: -12.772+/-0.588 χ^2/NDF:657.3/20

All: -12.338+/-0.425 χ^2/NDF: 1257.8/38



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -40.162+/-0.059 χ^2/NDF:761.5/1

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -39.067+/-0.056 χ^2/NDF:1447.0/1

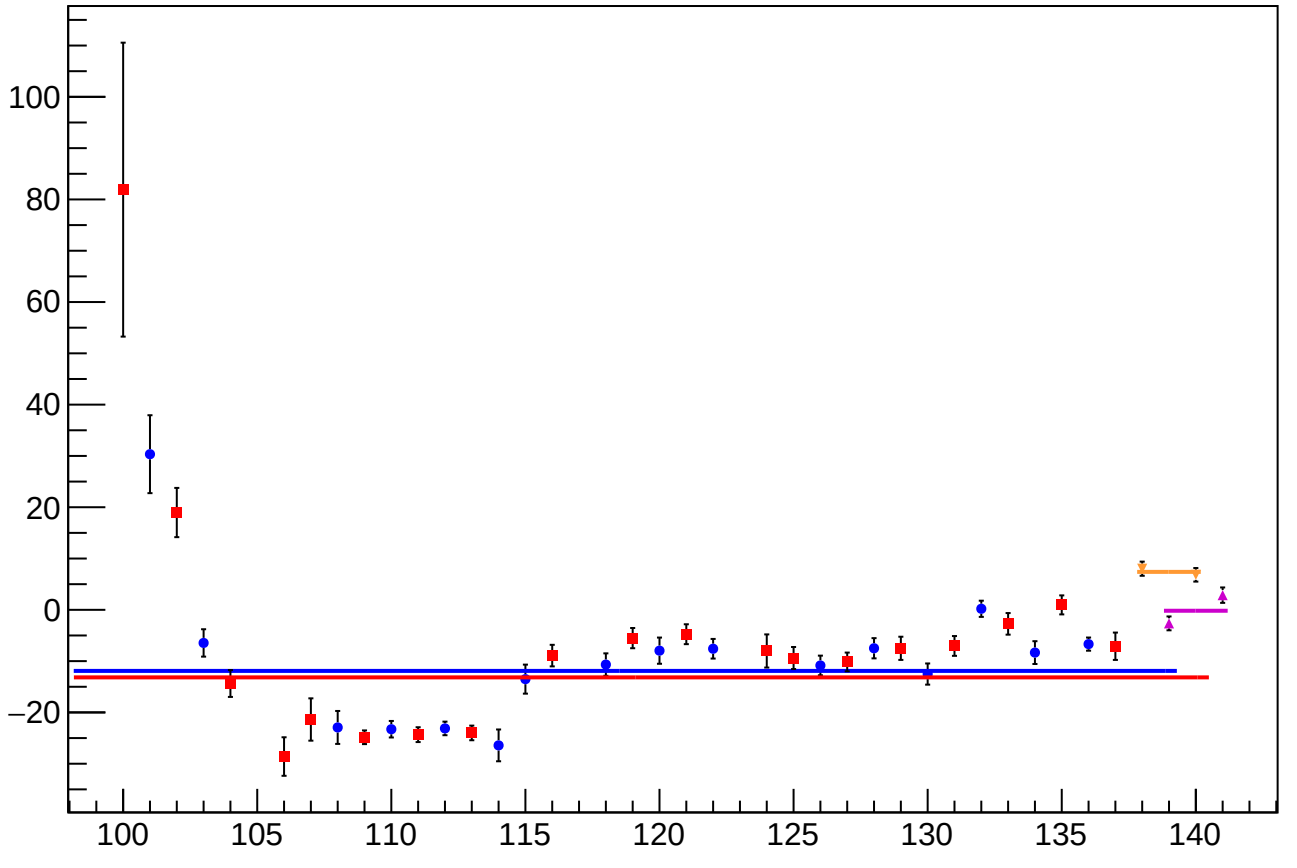
Left: -39.584+/-0.040 χ^2/NDF: 2390.8/3

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -34.097+/-0.032 χ^2/NDF:52825.7/17

Out: -32.507+/-0.032 χ^2/NDF:120067.7/20

All: -33.314+/-0.023 χ^2/NDF: 174132.8/38



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 7.397+/-0.955 χ^2/NDF:0.4/1

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -0.180+/-1.005 χ^2/NDF:7.4/1

Left: 3.800+/-0.692 χ^2/NDF: 37.7/3

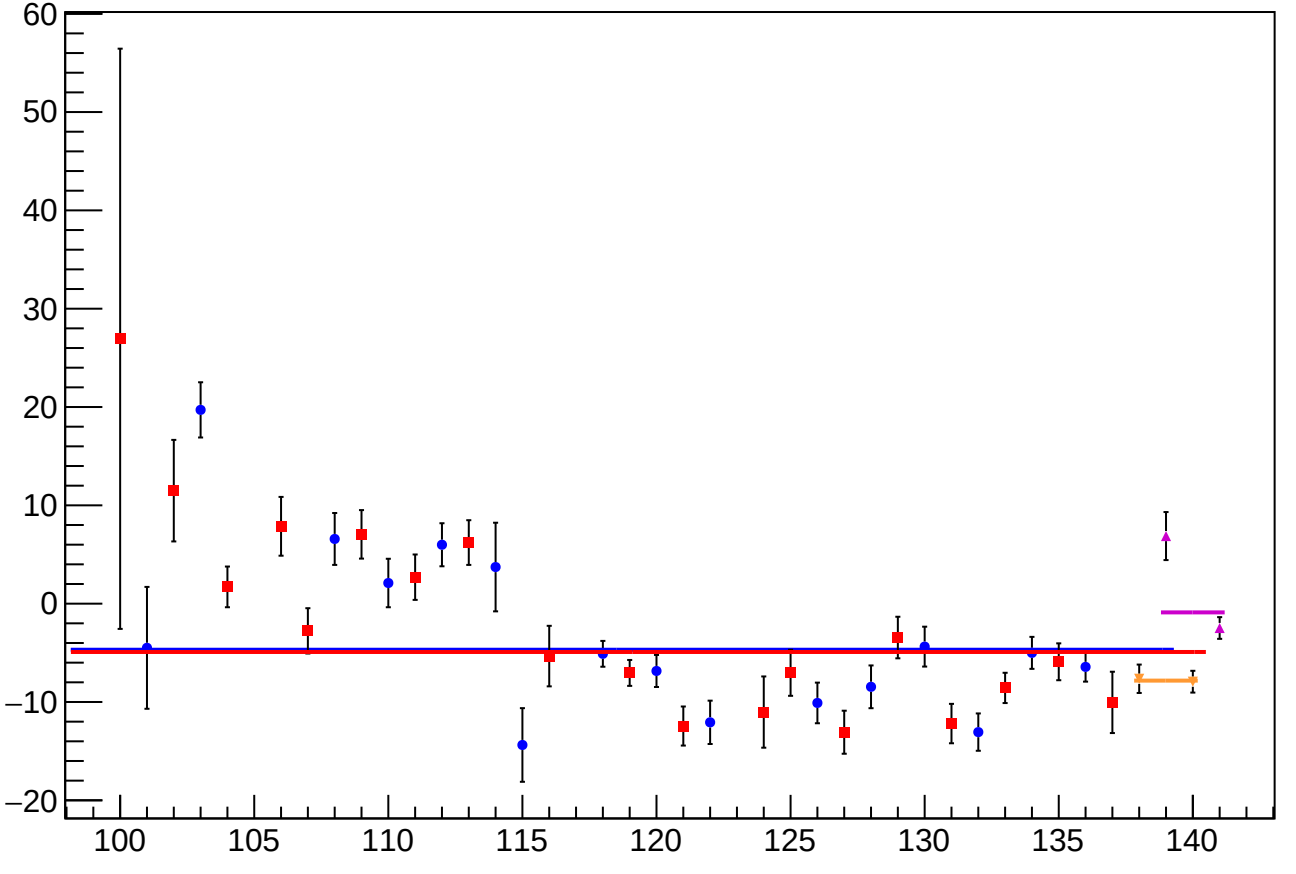
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -9.603+/-0.445 χ^2/NDF:398.9/17

Out: -9.021+/-0.429 χ^2/NDF:792.0/20

All: -9.301+/-0.309 χ^2/NDF: 1191.8/38

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -7.826+/-0.879 χ^2/NDF:0.0/1

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -0.888+/-1.006 χ^2/NDF:12.2/1

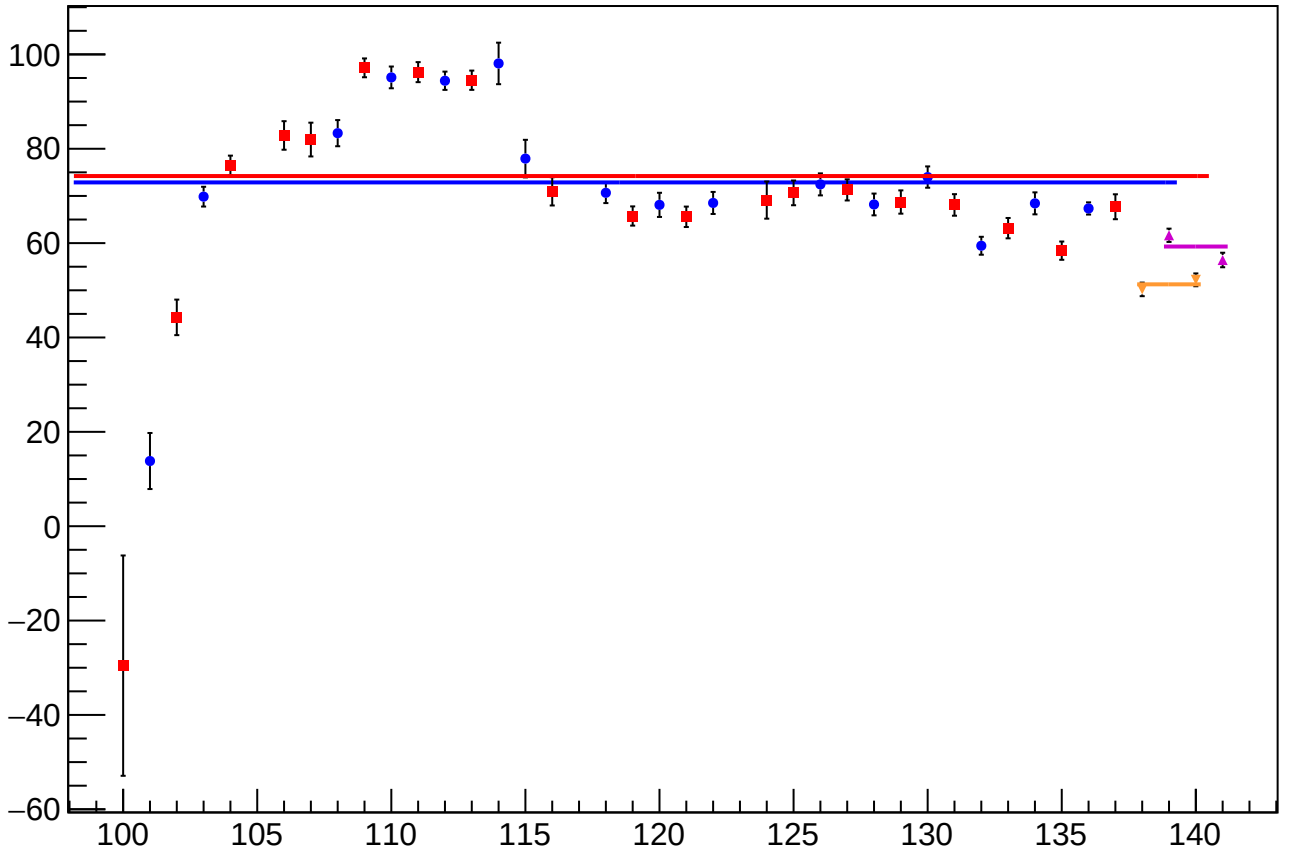
Left: -4.824+/-0.662 χ^2/NDF: 39.2/3

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.893+/-0.460 χ^2/NDF:202.5/17

Out: -5.653+/-0.443 χ^2/NDF:164.1/20

All: -4.806+/-0.319 χ^2/NDF: 374.2/38



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 51.264+/-0.989 χ^2/NDF:1.0/1

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 59.277+/-1.040 χ^2/NDF:6.3/1

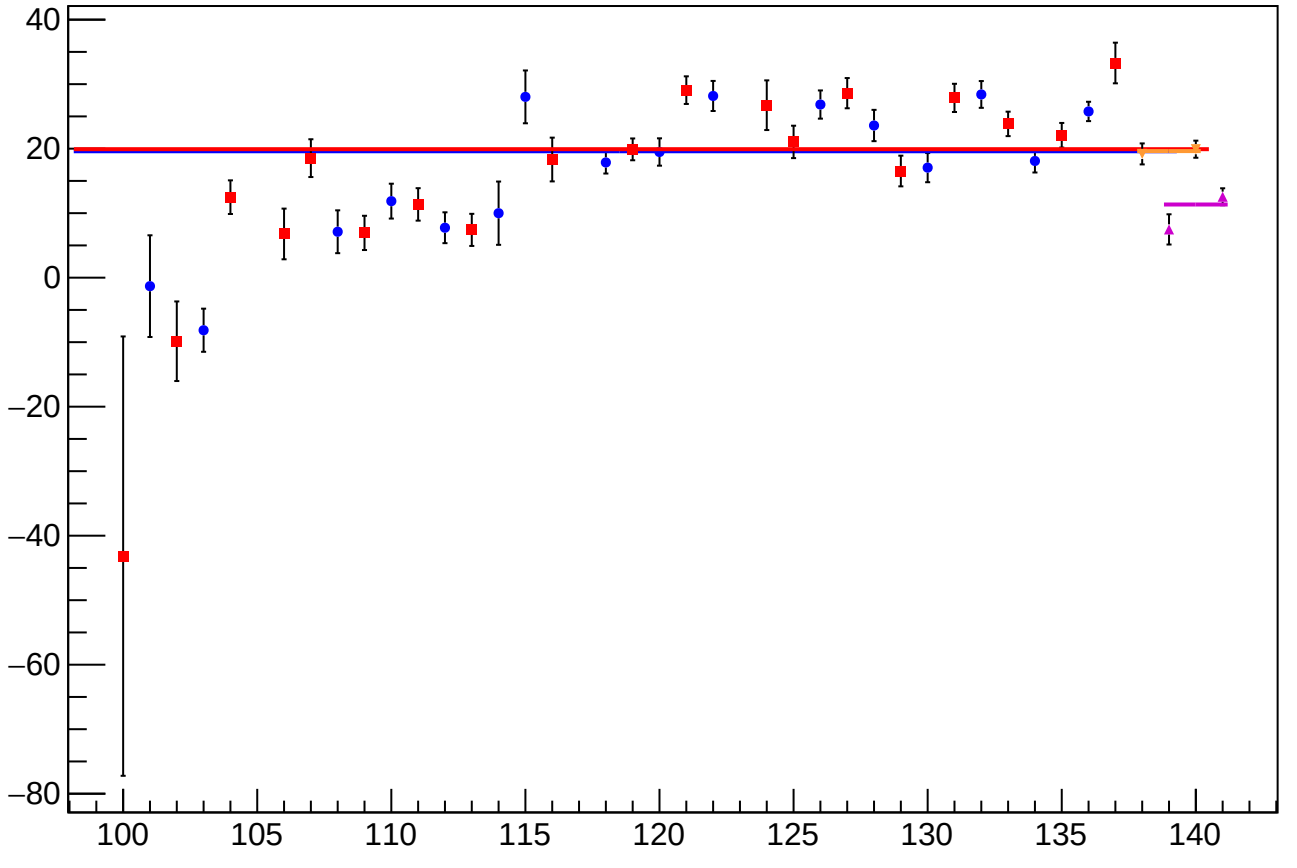
Left: 55.073+/-0.717 χ^2/NDF: 38.5/3

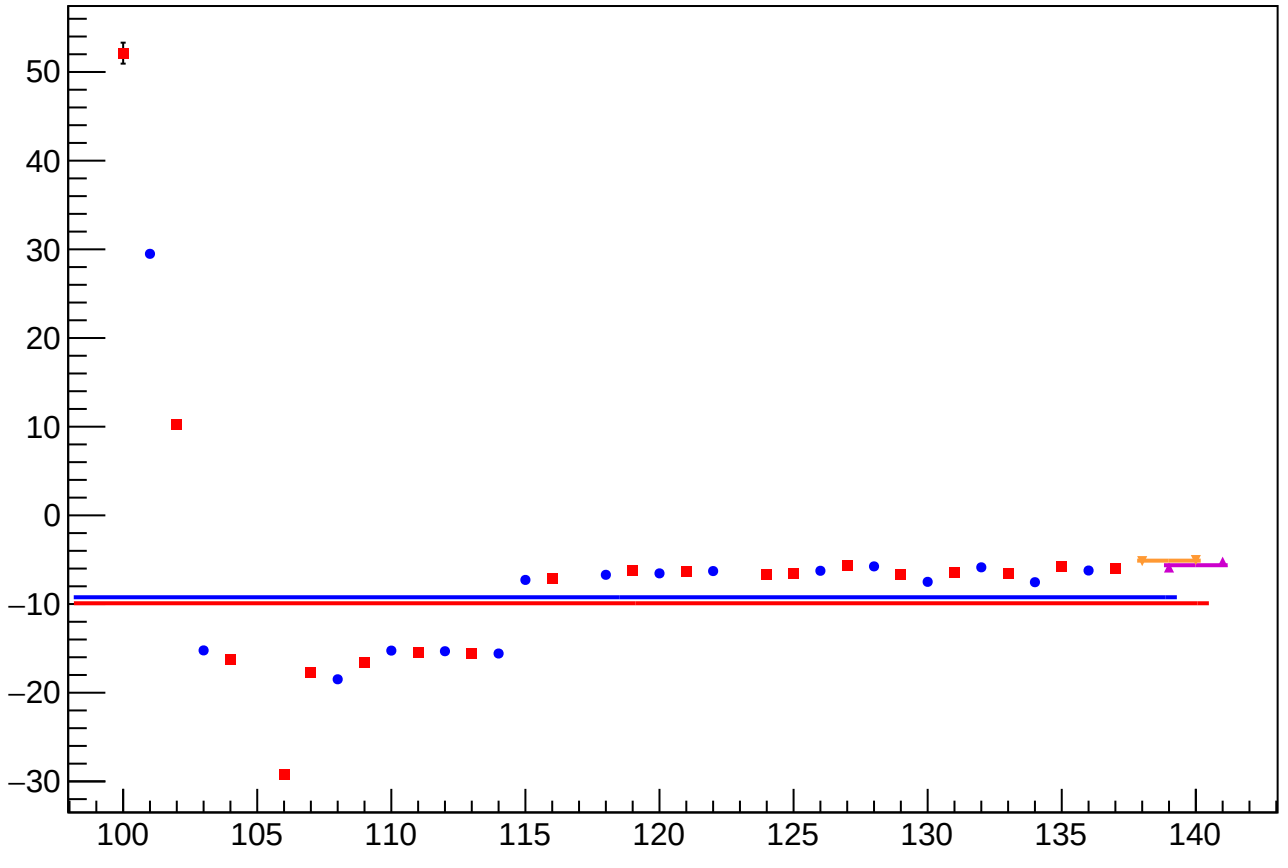
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 69.765+/-0.497 χ^2/NDF:588.8/17

Out: 68.614+/-0.489 χ^2/NDF:994.0/20

All: 69.180+/-0.348 χ^2/NDF: 1585.6/38


reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
105
110
115
120
125
130
135
140
Right In: 19.598+/-0.585 χ2/NDF: 196.0/15
Left Out: 19.624+/-1.028 χ2/NDF:0.1/1
Right Out: 19.919+/-0.585 χ2/NDF: 181.3/18
Left In: 11.342+/-1.143 χ2/NDF:3.6/1
Left: 15.922+/-0.764 χ2/NDF: 32.7/3
Right: 19.759+/-0.414 χ2/NDF: 377.5/34
In: 17.883+/-0.521 χ2/NDF:240.9/17
Out: 19.847+/-0.509 χ2/NDF:181.5/20
All: 18.888+/-0.364 χ2/NDF: 429.7/38



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -5.107+/-0.041 χ^2/NDF:2.1/1

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -5.622+/-0.039 χ^2/NDF:66.6/1

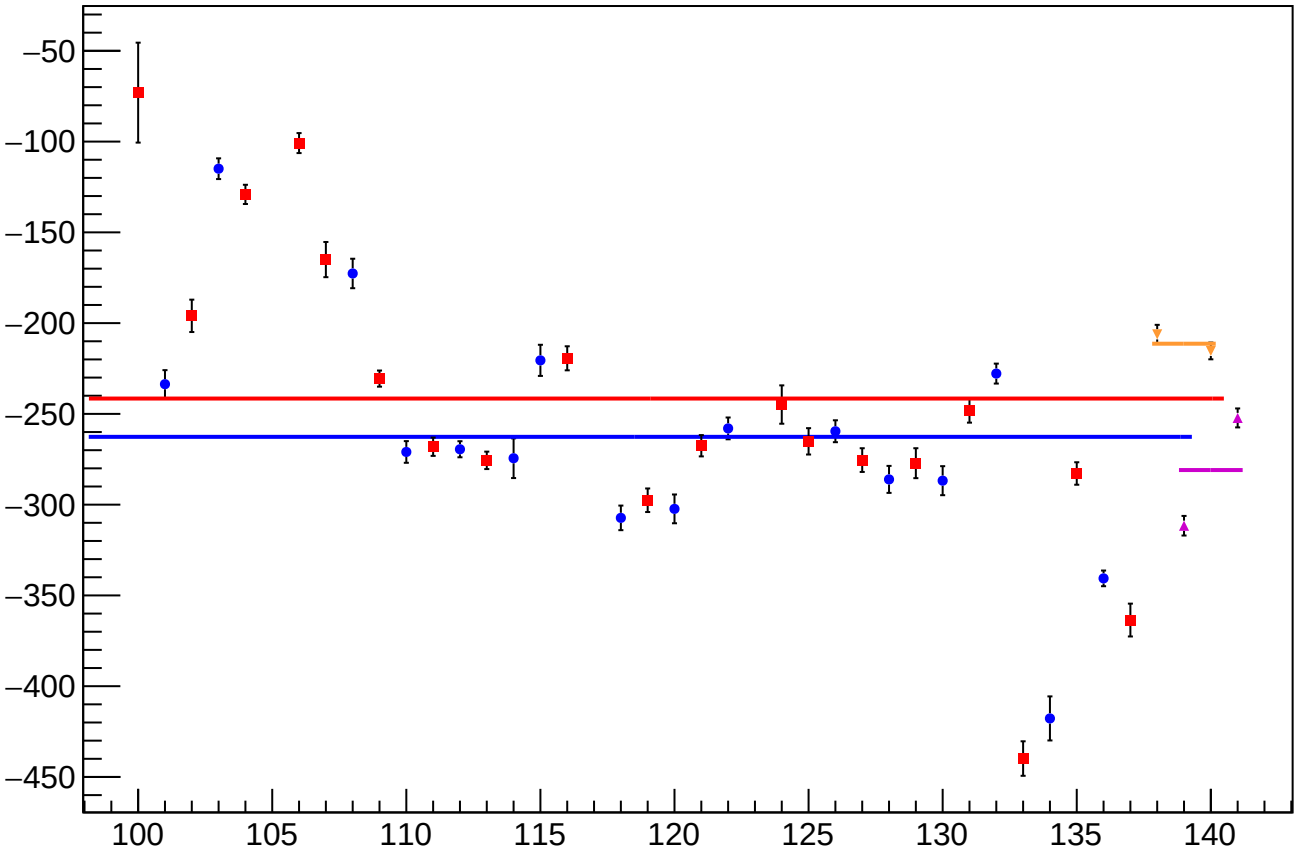
Left: -5.377+/-0.028 χ^2/NDF: 150.4/3

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -7.749+/-0.025 χ^2/NDF:36204.1/17

Out: -7.944+/-0.026 χ^2/NDF:61847.3/20

All: -7.841+/-0.018 χ^2/NDF: 98080.0/38



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -211.339+/-3.465 χ^2/NDF:1.7/1

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -280.934+/-3.755 χ^2/NDF:62.5/1

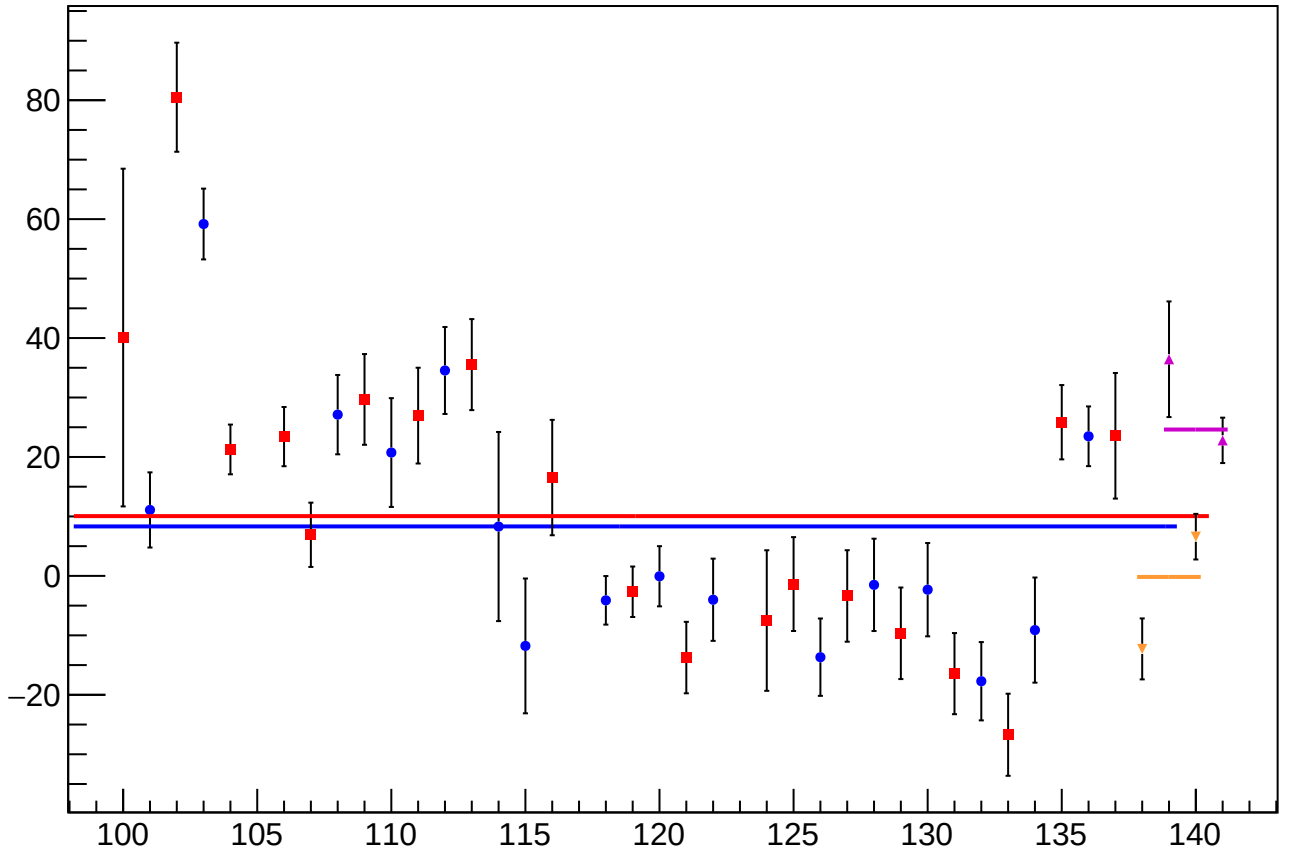
Left: -243.344+/-2.546 χ^2/NDF: 249.7/3

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -265.495+/-1.483 χ^2/NDF:1536.8/17

Out: -236.748+/-1.381 χ^2/NDF:2204.2/20

All: -250.104+/-1.011 χ^2/NDF: 3942.2/38



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: -0.175+/-3.071 χ^2/NDF:8.7/1

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 24.614+/-3.553 χ^2/NDF:1.7/1

Left: 10.423+/-2.323 χ^2/NDF: 38.3/3

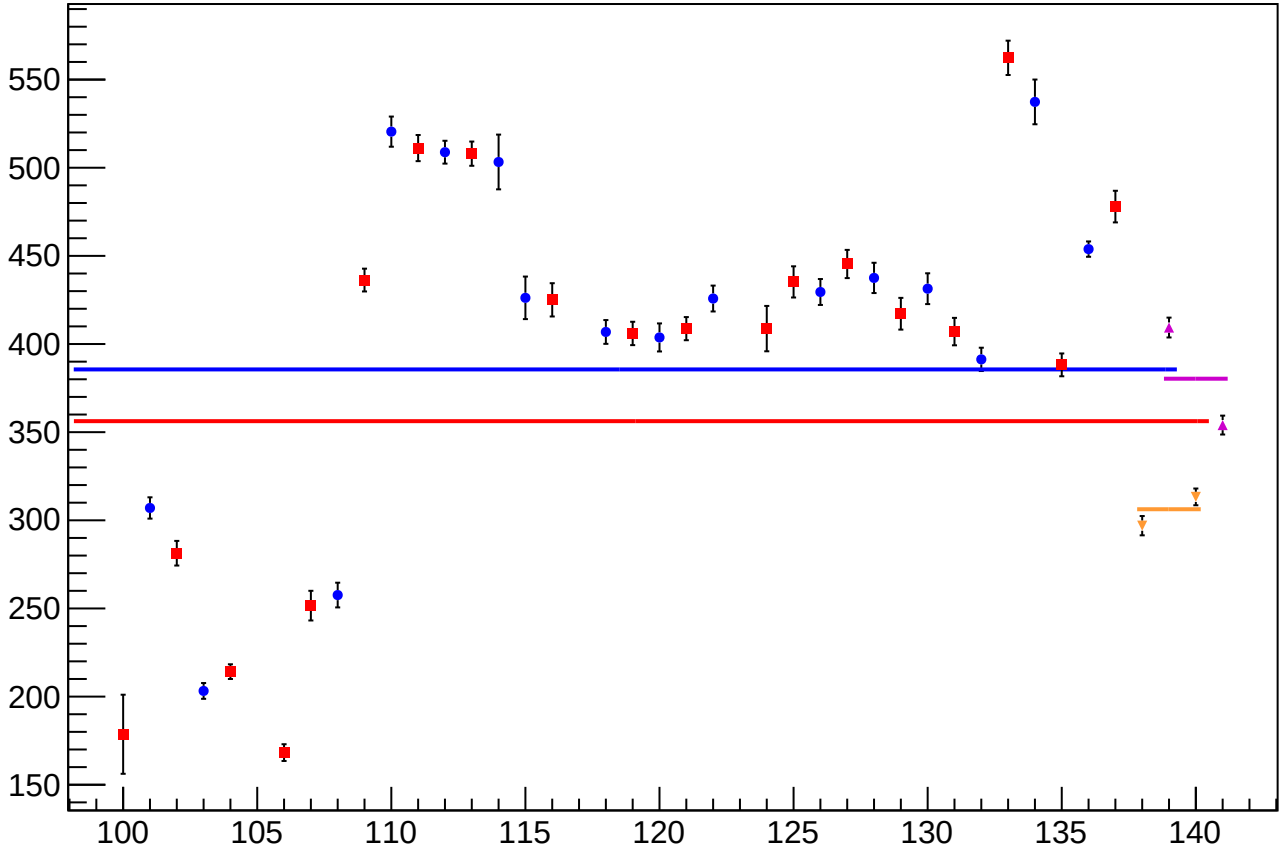
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 11.193+/-1.492 χ^2/NDF:176.7/17

Out: 7.999+/-1.376 χ^2/NDF:205.0/20

All: 9.467+/-1.011 χ^2/NDF: 384.1/38

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 306.280+/-3.585 χ^2/NDF:5.1/1

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 380.327+/-3.882 χ^2/NDF:50.7/1

Left: 340.369+/-2.634 χ^2/NDF: 252.1/3

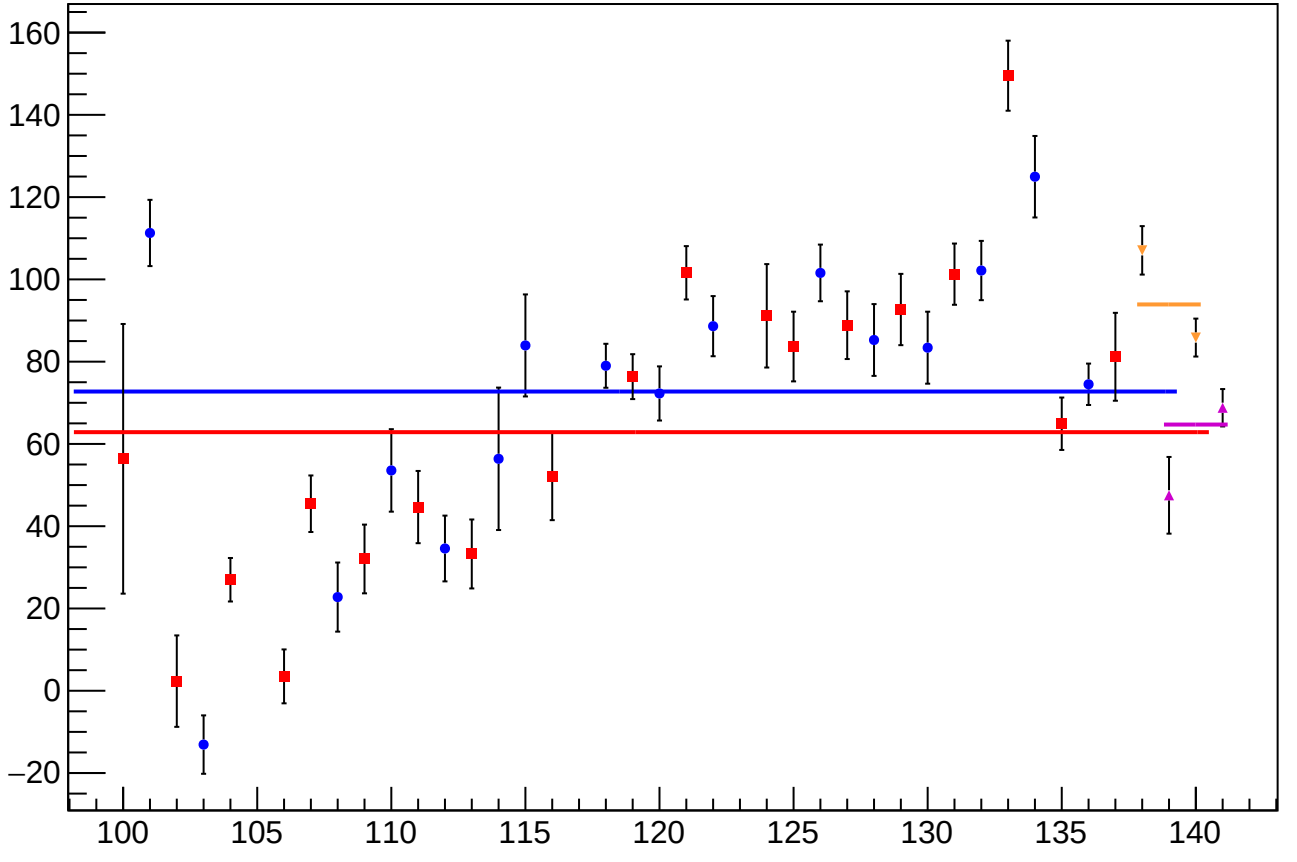
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 384.708+/-1.589 χ^2/NDF:3425.3/17

Out: 347.542+/-1.496 χ^2/NDF:5435.8/20

All: 365.003+/-1.089 χ^2/NDF: 9150.9/38

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 93.910+/-3.631 χ^2/NDF:8.0/1

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 64.712+/-4.085 χ^2/NDF:4.2/1

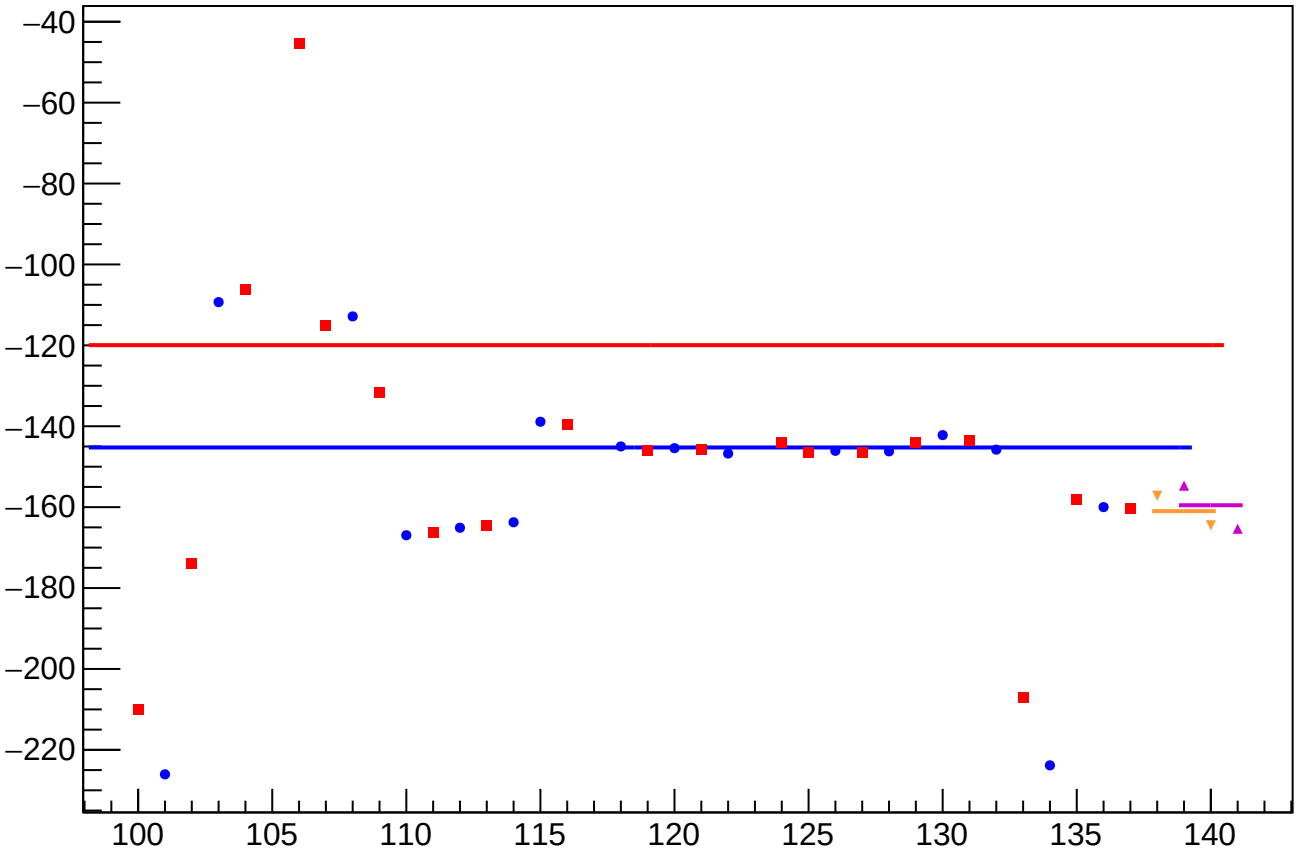
Left: 81.022+/-2.714 χ^2/NDF: 40.8/3

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 71.316+/-1.720 χ^2/NDF:311.7/17

Out: 68.958+/-1.609 χ^2/NDF:470.4/20

All: 70.058+/-1.175 χ^2/NDF: 783.1/38



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -160.984+/-0.153 χ^2/NDF:573.9/1

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -159.528+/-0.148 χ^2/NDF:1277.3/1

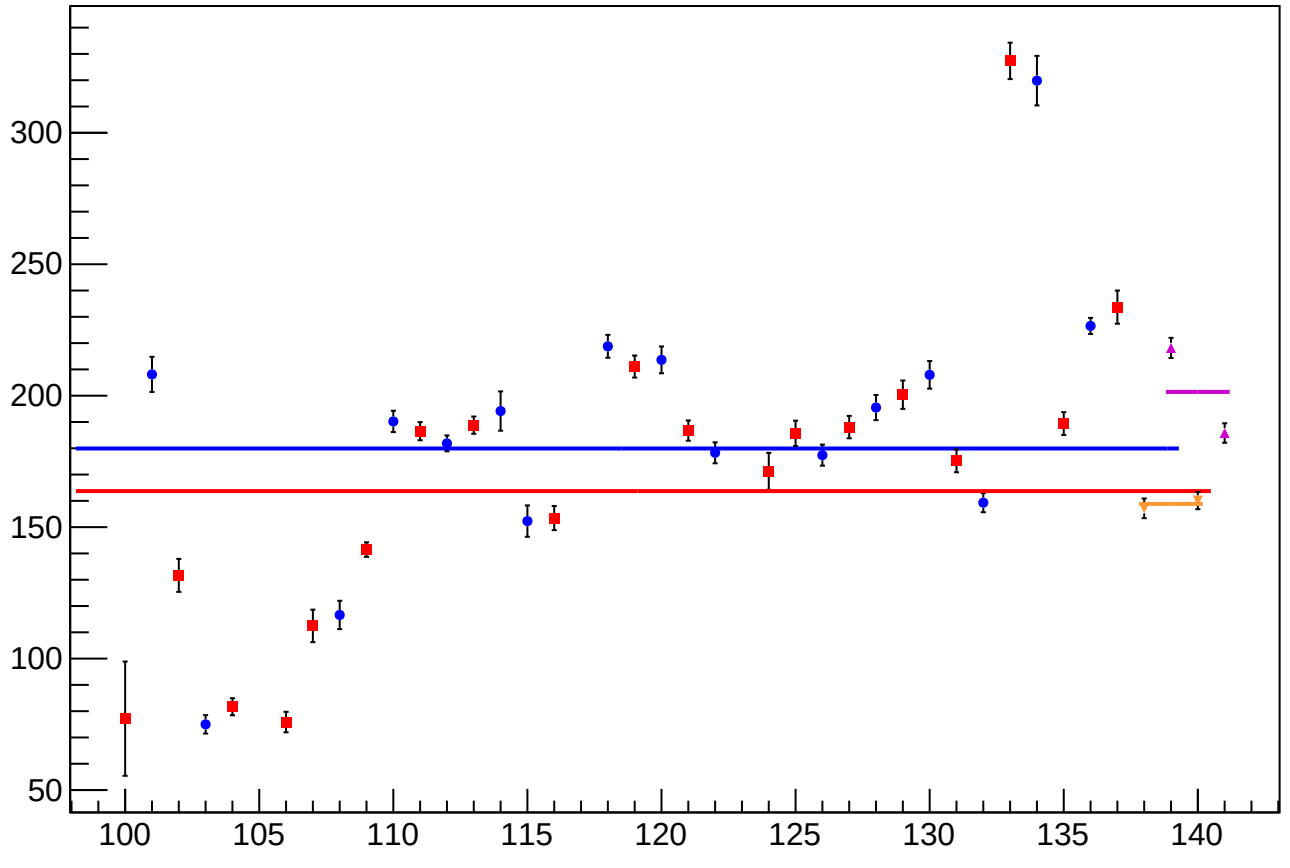
Left: -160.235+/-0.106 χ^2/NDF: 1898.0/3

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -149.606+/-0.082 χ^2/NDF:139772.8/17

Out: -130.345+/-0.077 χ^2/NDF:324835.4/20

All: -139.359+/-0.056 χ^2/NDF: 493983.5/38



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 158.841+/-2.468 χ^2/NDF:0.4/1

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 201.443+/-2.663 χ^2/NDF:36.9/1

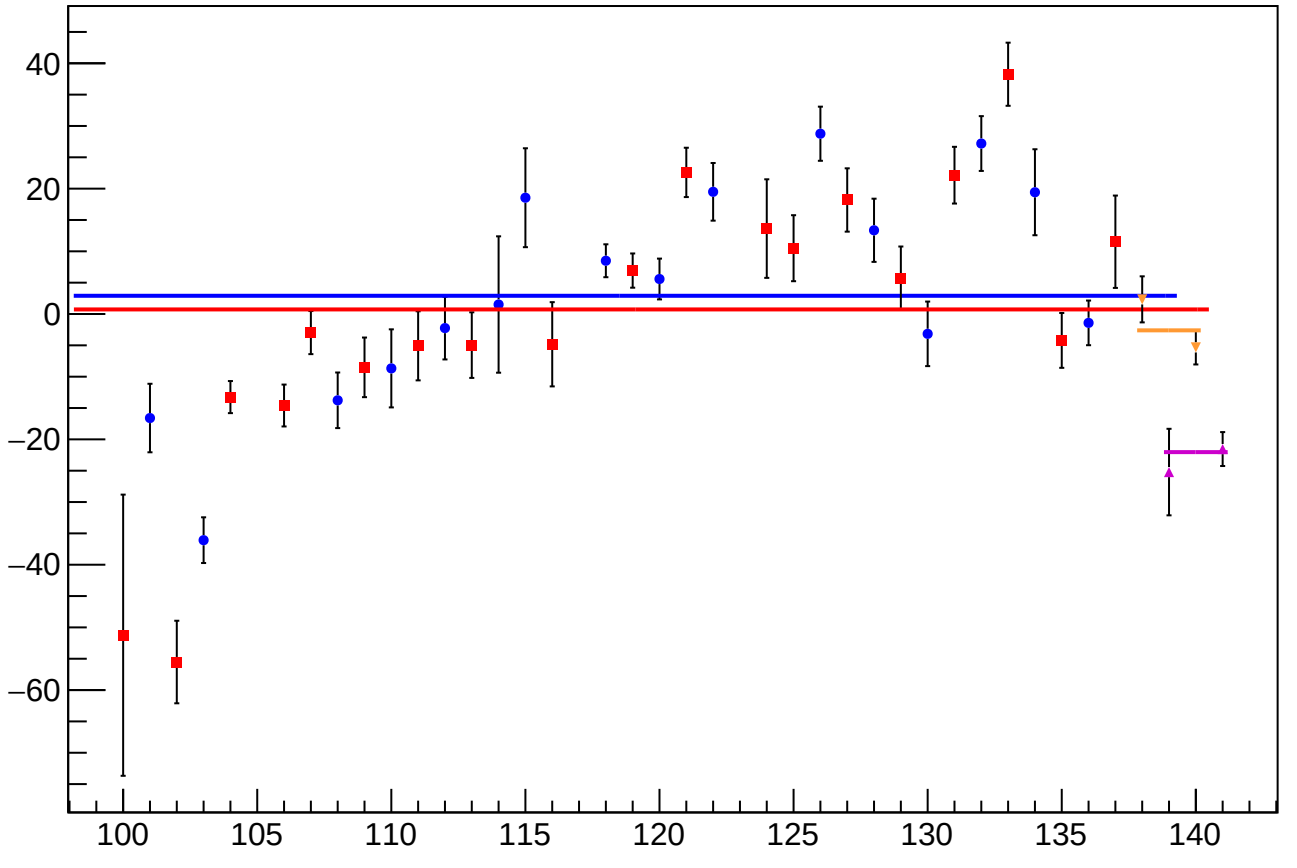
Left: 178.523+/-1.810 χ^2/NDF: 174.9/3

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 183.000+/-1.008 χ^2/NDF:1825.6/17

Out: 163.029+/-0.927 χ^2/NDF:2420.5/20

All: 172.188+/-0.682 χ^2/NDF: 4458.7/38



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -2.608+/-2.188 χ^2/NDF:2.8/1

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -22.036+/-2.520 χ^2/NDF:0.2/1

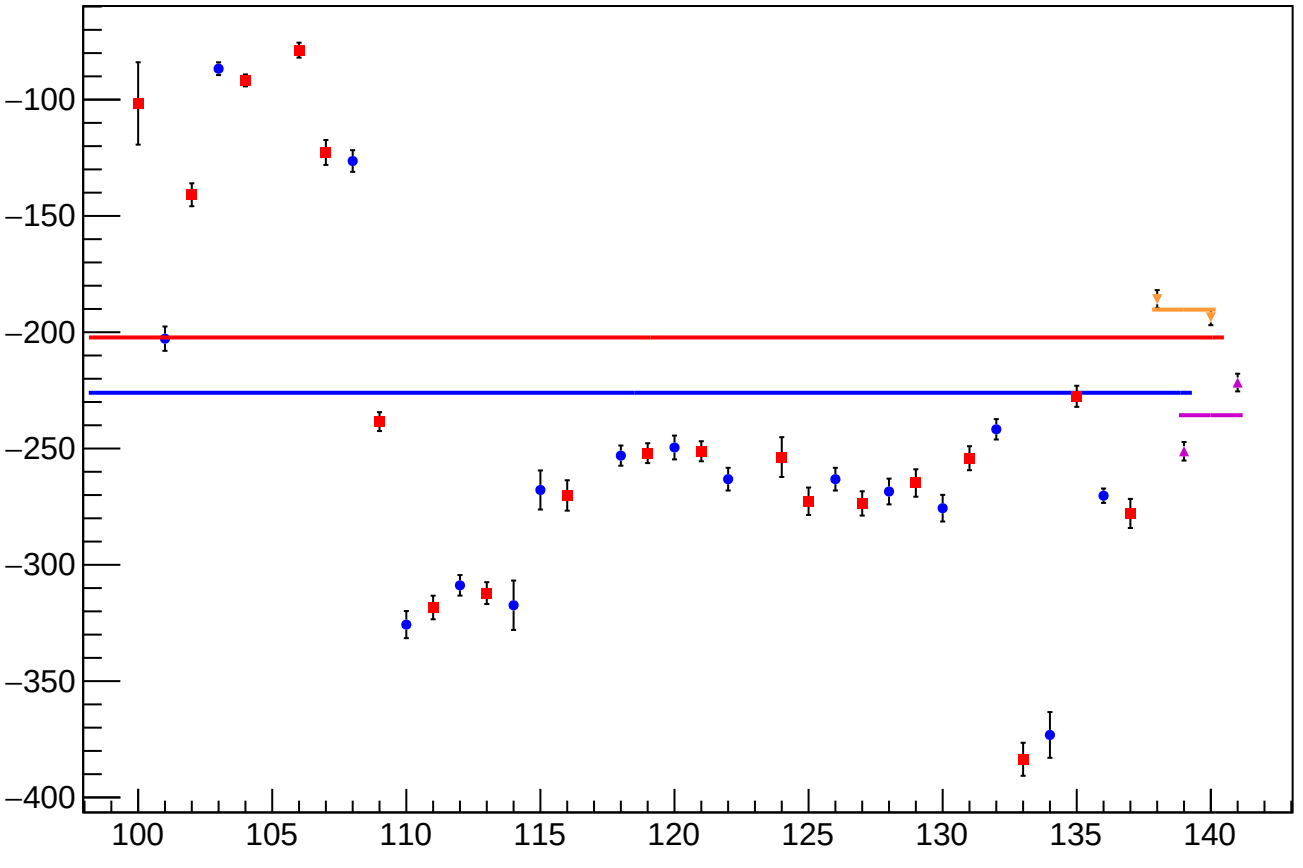
Left: -10.959+/-1.652 χ^2/NDF: 36.9/3

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -1.114+/-1.012 χ^2/NDF:329.9/17

Out: 0.141+/-0.919 χ^2/NDF:278.3/20

All: -0.426+/-0.680 χ^2/NDF: 609.1/38



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -190.280+/-2.553 χ^2/NDF:2.3/1

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -235.676+/-2.753 χ^2/NDF:28.7/1

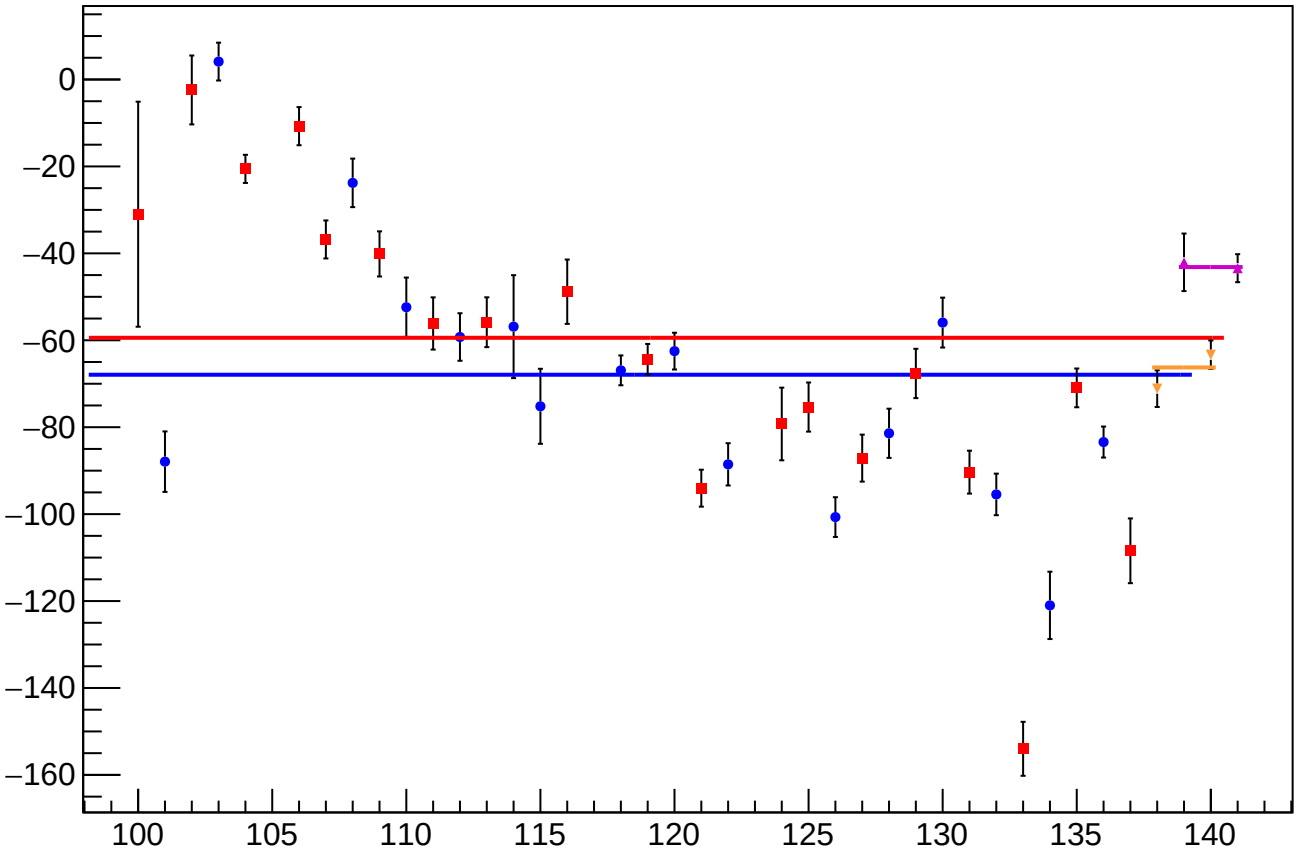
Left: -211.275+/-1.872 χ^2/NDF: 177.2/3

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -227.515+/-1.081 χ^2/NDF:4578.2/17

Out: -200.411+/-1.000 χ^2/NDF:6711.6/20

All: -212.916+/-0.734 χ^2/NDF: 11628.6/38



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -66.255+/-2.587 χ^2/NDF:2.1/1

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -43.157+/-2.897 χ^2/NDF:0.0/1

Left: -56.007+/-1.930 χ^2/NDF: 37.5/3

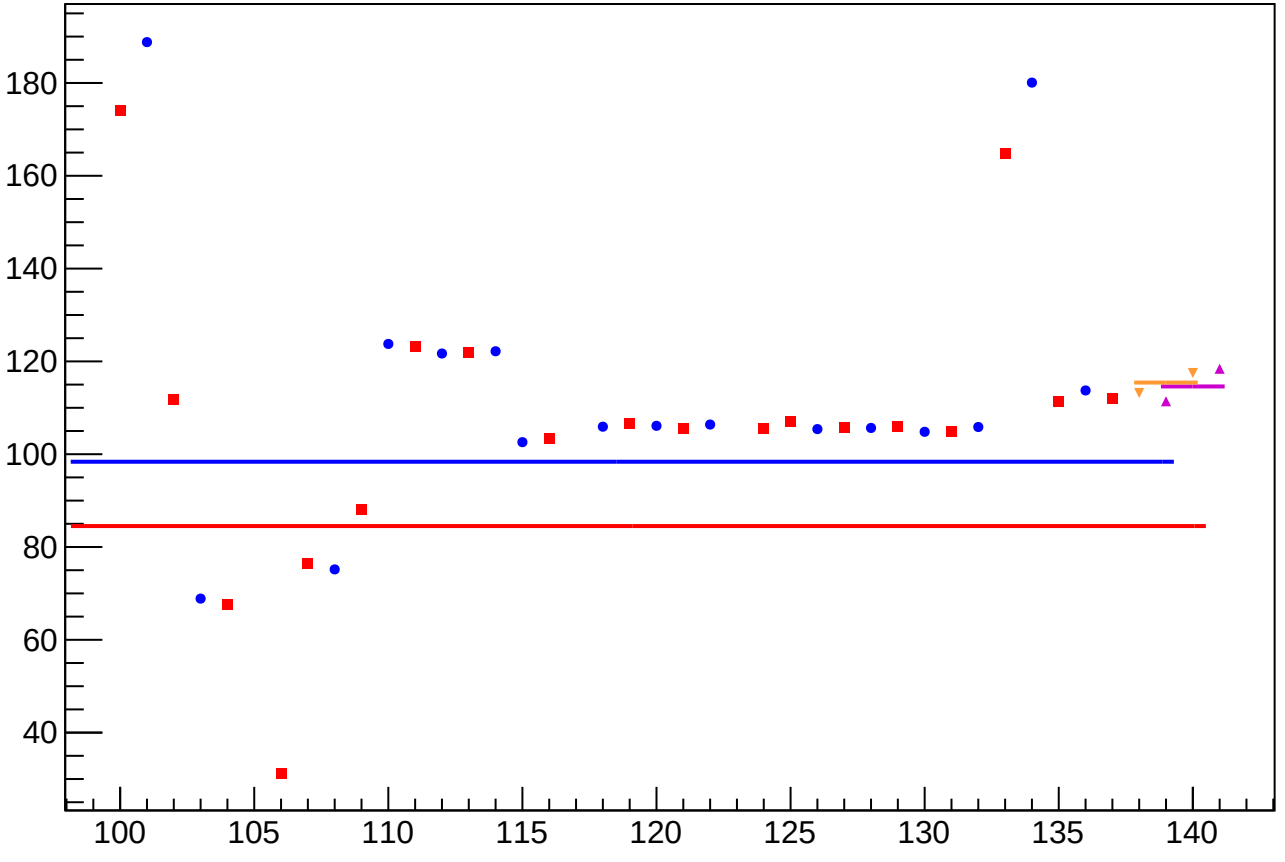
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -63.891+/-1.169 χ^2/NDF:595.3/17

Out: -60.610+/-1.077 χ^2/NDF:802.7/20

All: -62.116+/-0.792 χ^2/NDF: 1402.3/38

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 115.444+/-0.109 χ^2/NDF:391.6/1

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 114.601+/-0.105 χ^2/NDF:1098.0/1

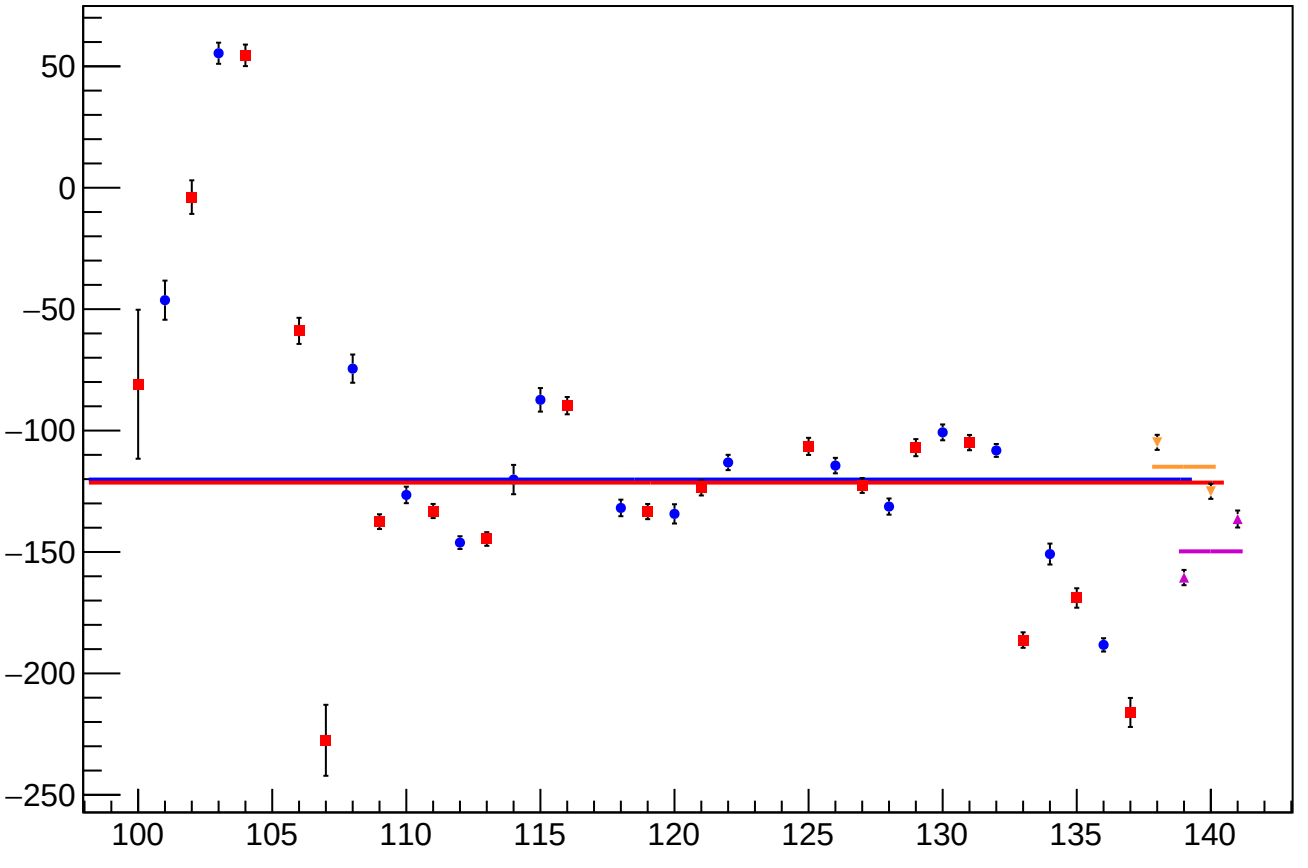
Left: 115.008+/-0.076 χ^2/NDF: 1520.7/3

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 102.961+/-0.056 χ^2/NDF:246567.8/17

Out: 91.847+/-0.053 χ^2/NDF:331024.2/20

All: 97.100+/-0.038 χ^2/NDF: 598408.5/38



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -114.895+/-2.197 χ^2/NDF:21.1/1

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -149.738+/-2.342 χ^2/NDF:26.2/1

Left: -131.209+/-1.602 χ^2/NDF: 165.0/3

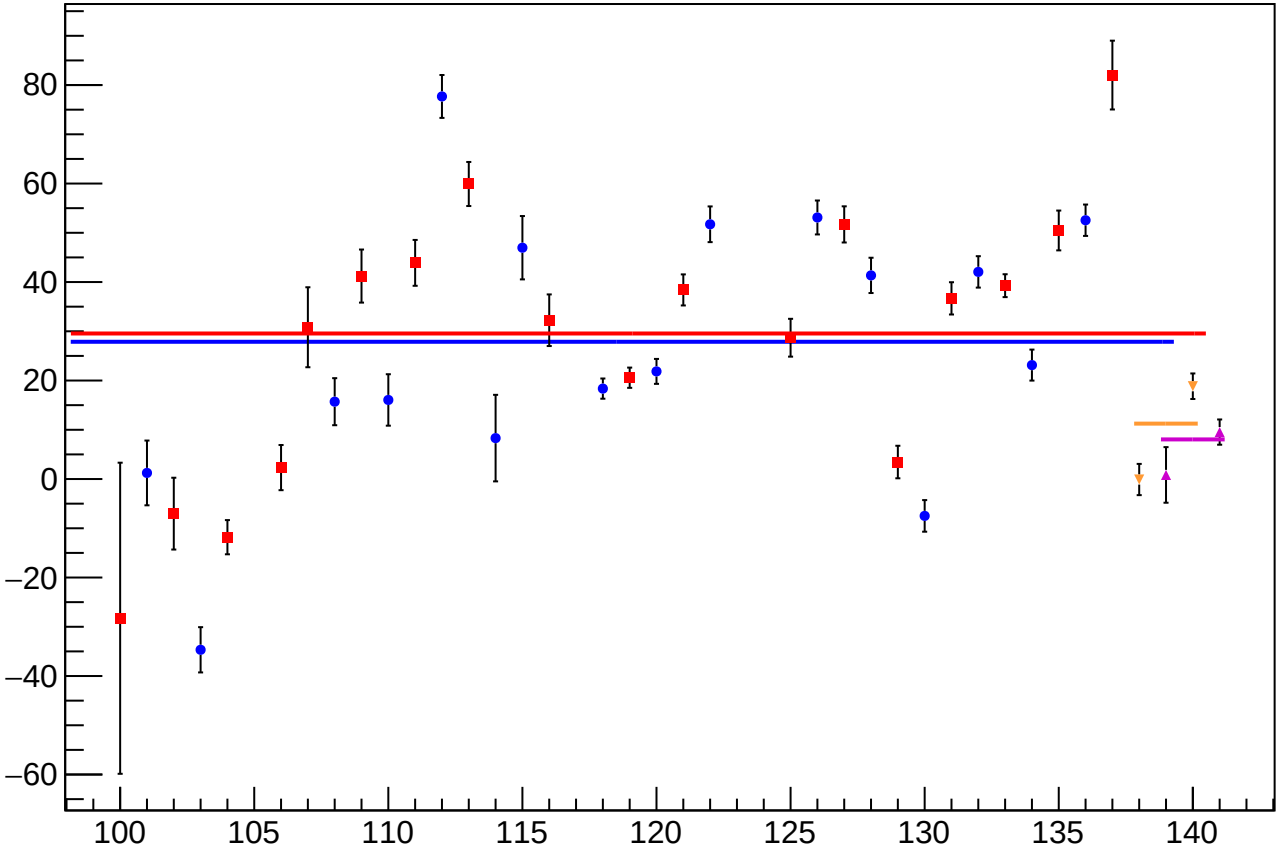
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -123.912+/-0.832 χ^2/NDF:2856.6/17

Out: -120.525+/-0.813 χ^2/NDF:3155.0/19

All: -122.179+/-0.582 χ^2/NDF: 6020.1/37

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 11.250+/-2.008 χ^2/NDF:21.4/1

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 8.044+/-2.335 χ^2/NDF:2.0/1

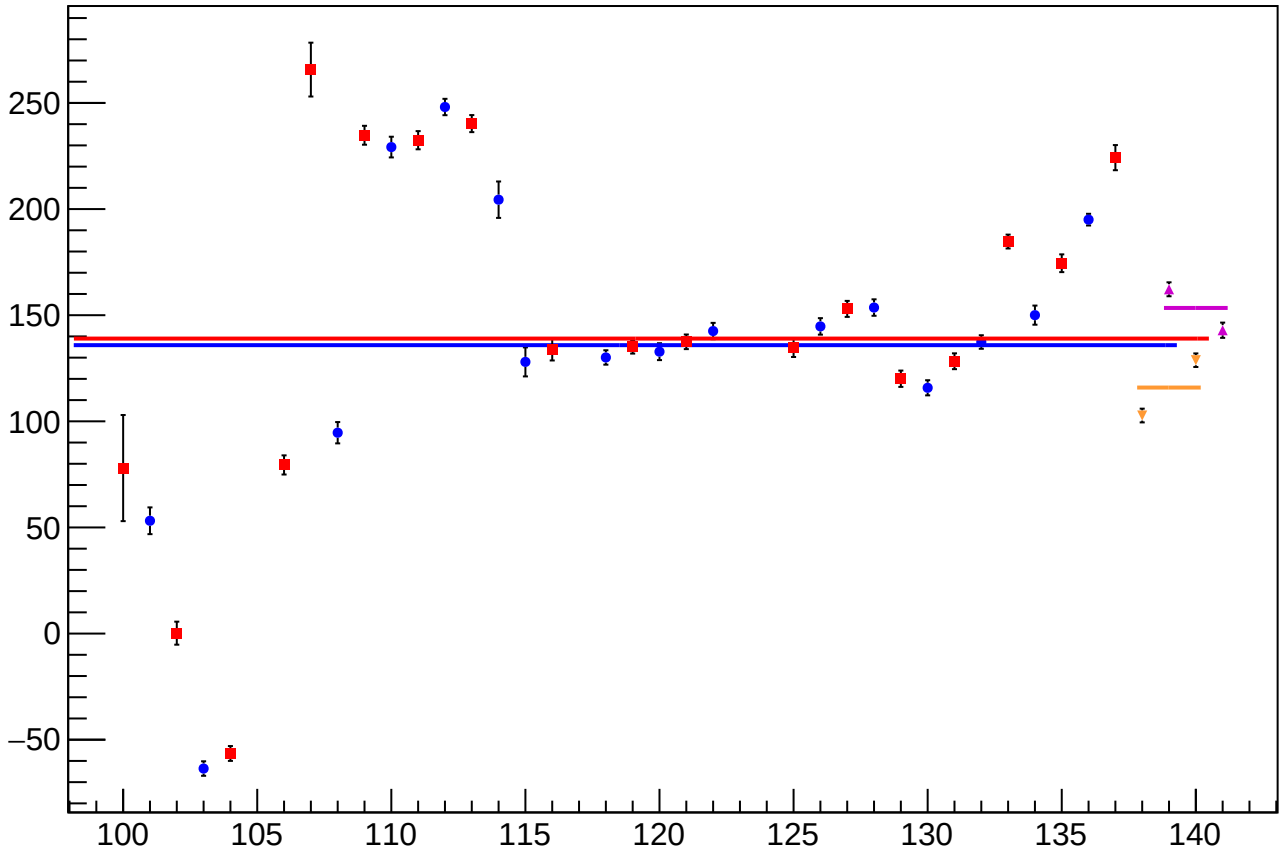
Left: 9.887+/-1.522 χ^2/NDF: 24.4/3

Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 25.365+/-0.830 χ^2/NDF:764.6/17

Out: 26.549+/-0.813 χ^2/NDF:588.3/19

All: 25.969+/-0.581 χ^2/NDF: 1354.0/37



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 115.911+/-2.276 χ^2/NDF:32.8/1

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 153.415+/-2.424 χ^2/NDF:15.7/1

Left: 133.482+/-1.660 χ^2/NDF: 175.7/3

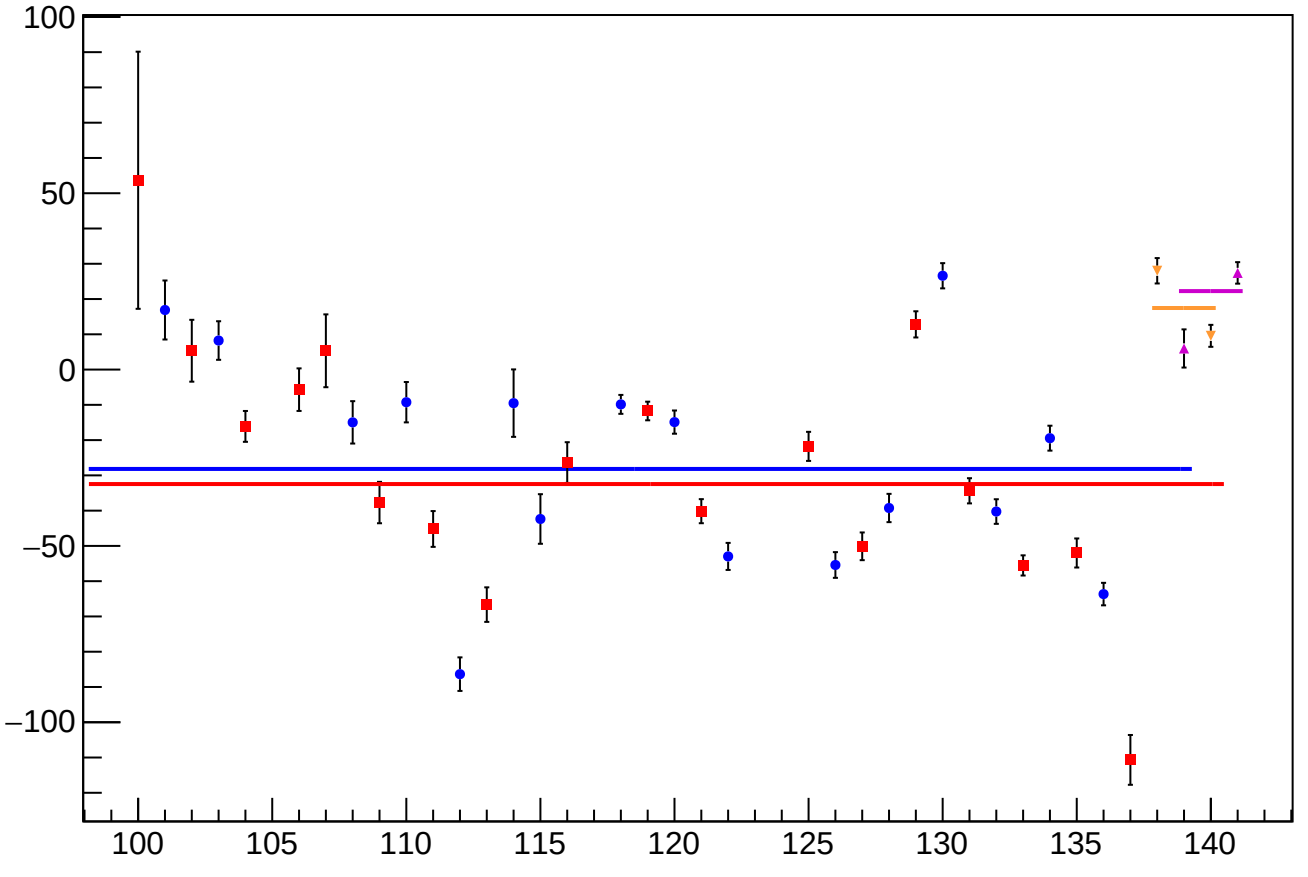
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 138.425+/-0.923 χ^2/NDF:5524.1/17

Out: 135.263+/-0.914 χ^2/NDF:6275.4/19

All: 136.829+/-0.650 χ^2/NDF: 11805.4/37

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 17.458+/-2.354 χ^2/NDF:15.0/1

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 22.251+/-2.655 χ^2/NDF:11.9/1

Left: 19.568+/-1.762 χ^2/NDF: 28.8/3

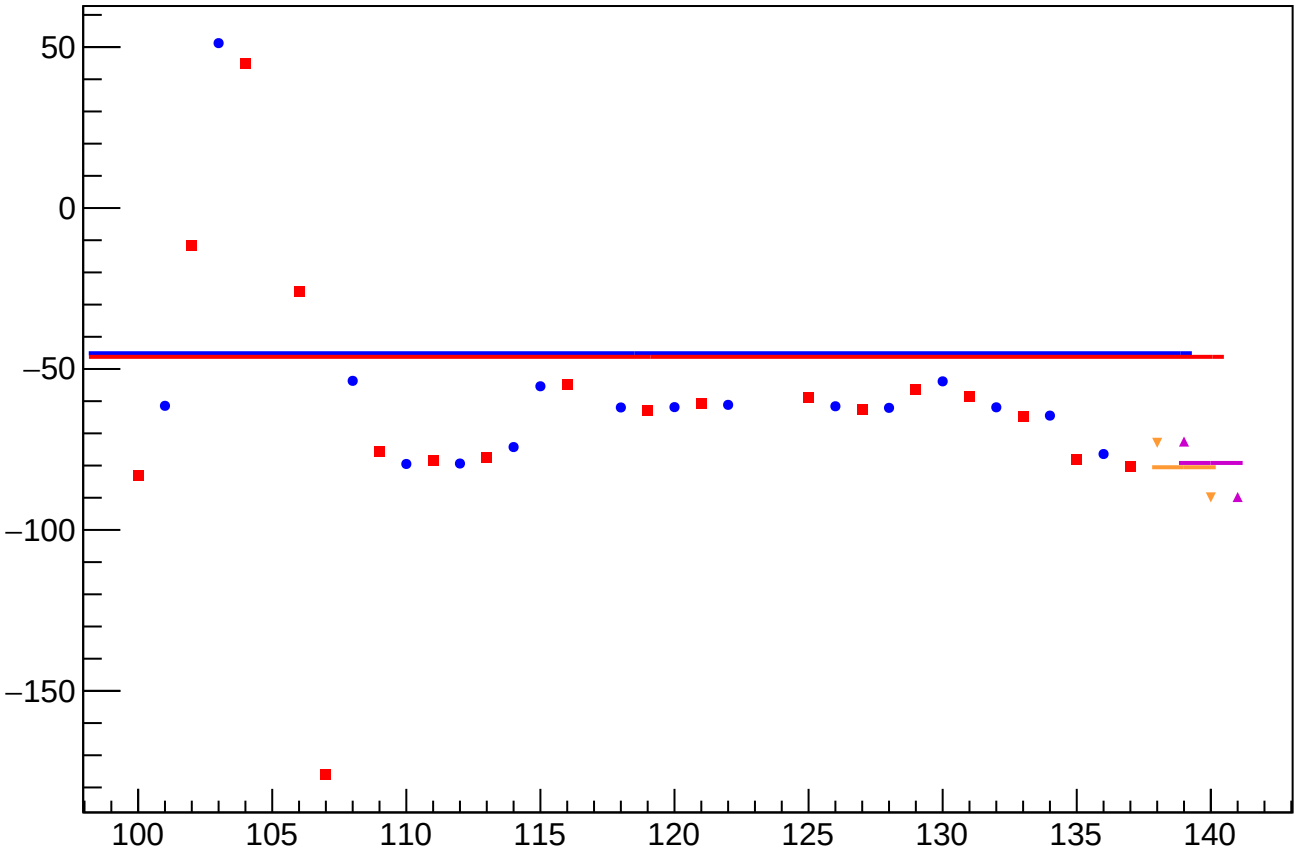
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -21.667+/-0.954 χ^2/NDF:1117.2/17

Out: -24.474+/-0.942 χ^2/NDF:973.5/19

All: -23.089+/-0.670 χ^2/NDF: 2095.1/37

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -80.531+/-0.095 χ^2/NDF:7799.5/1

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -79.190+/-0.091 χ^2/NDF:8432.8/1

Left: -79.831+/-0.066 χ^2/NDF: 16335.1/3

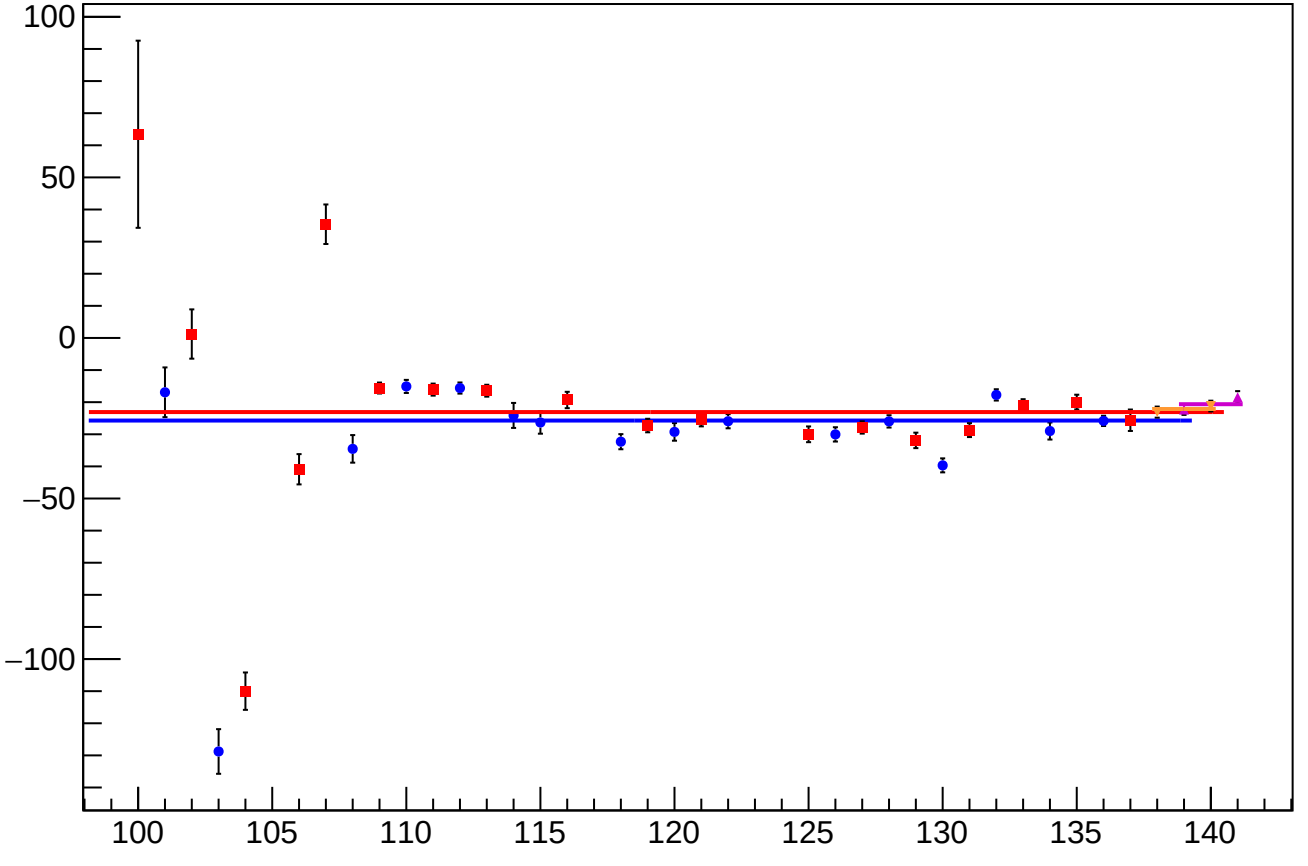
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -55.411+/-0.050 χ^2/NDF:680752.9/17

Out: -56.536+/-0.052 χ^2/NDF:591671.1/19

All: -55.950+/-0.036 χ^2/NDF: 1272664.2/37

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -22.131+/-1.206 χ^2/NDF:0.6/1

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -20.631+/-1.257 χ^2/NDF:2.3/1

Left: -21.412+/-0.870 χ^2/NDF: 3.6/3

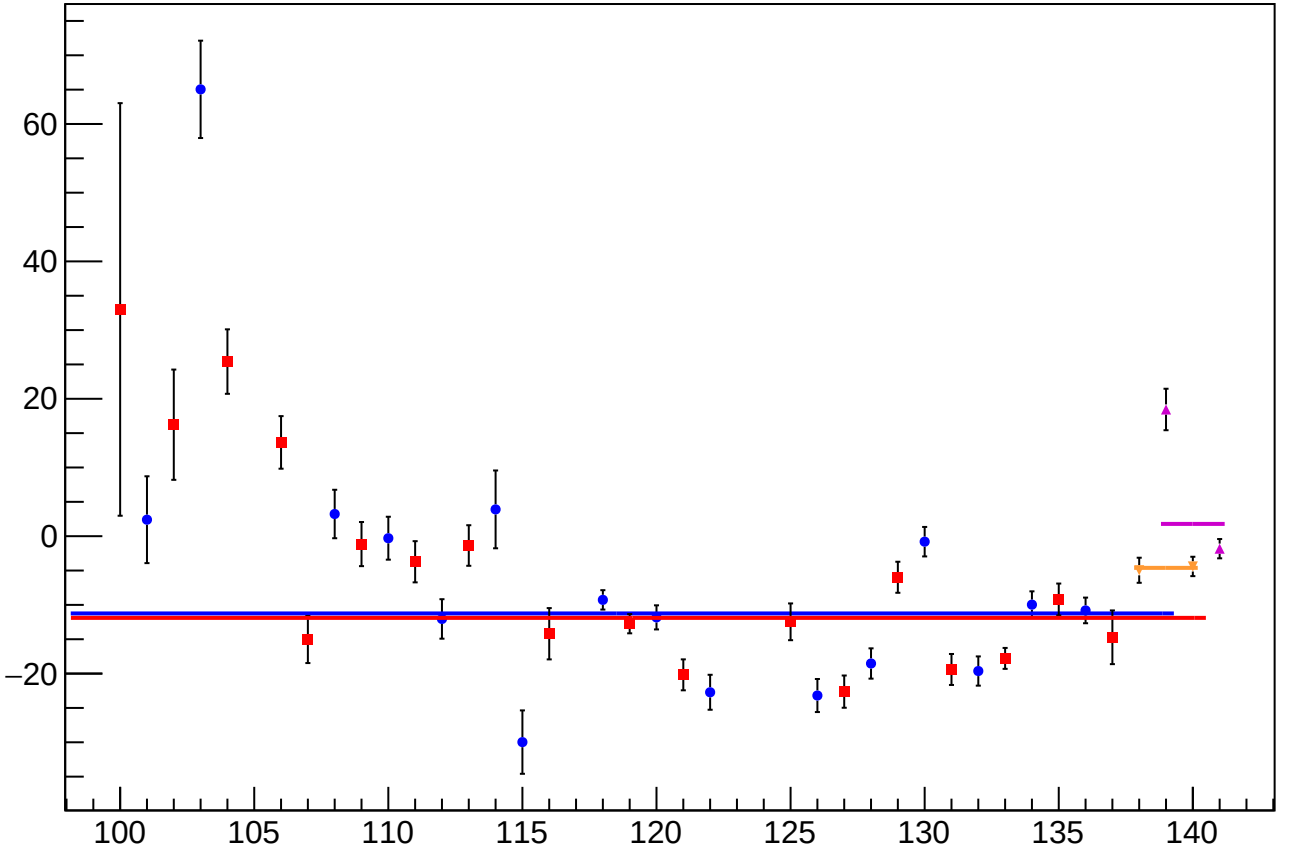
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -24.802+/-0.534 χ^2/NDF:378.7/17

Out: -22.900+/-0.524 χ^2/NDF:438.2/19

All: -23.832+/-0.374 χ^2/NDF: 823.4/37

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -4.612+/-1.116 χ^2/NDF:0.1/1

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: 1.787+/-1.273 χ^2/NDF:37.0/1

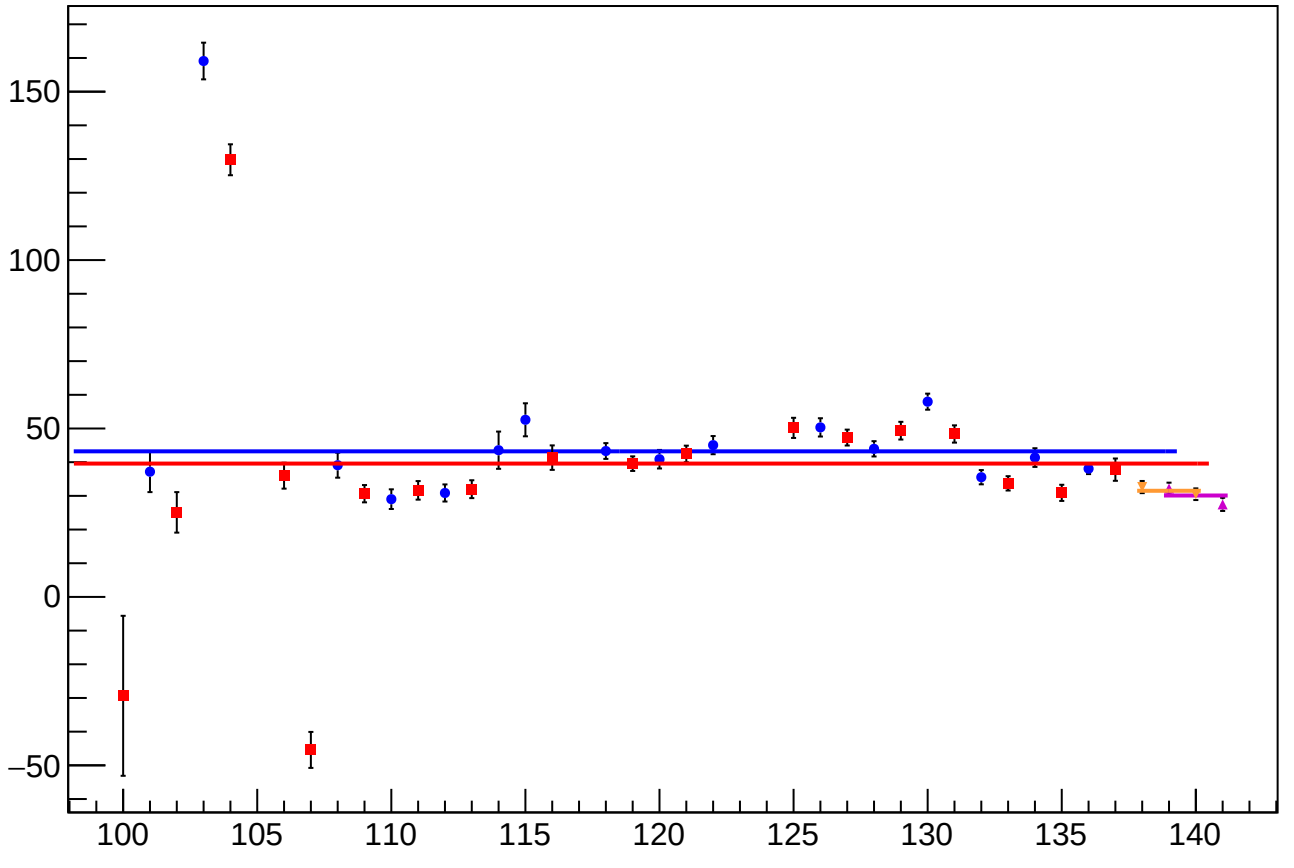
Left: -1.832+/-0.839 χ^2/NDF: 51.4/3

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -8.877+/-0.543 χ^2/NDF:393.9/17

Out: -10.228+/-0.533 χ^2/NDF:257.3/19

All: -9.565+/-0.380 χ^2/NDF: 654.4/37



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 31.510+/-1.249 χ^2/NDF:0.7/1

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 30.107+/-1.301 χ^2/NDF:3.2/1

Left: 30.836+/-0.901 χ^2/NDF: 4.6/3

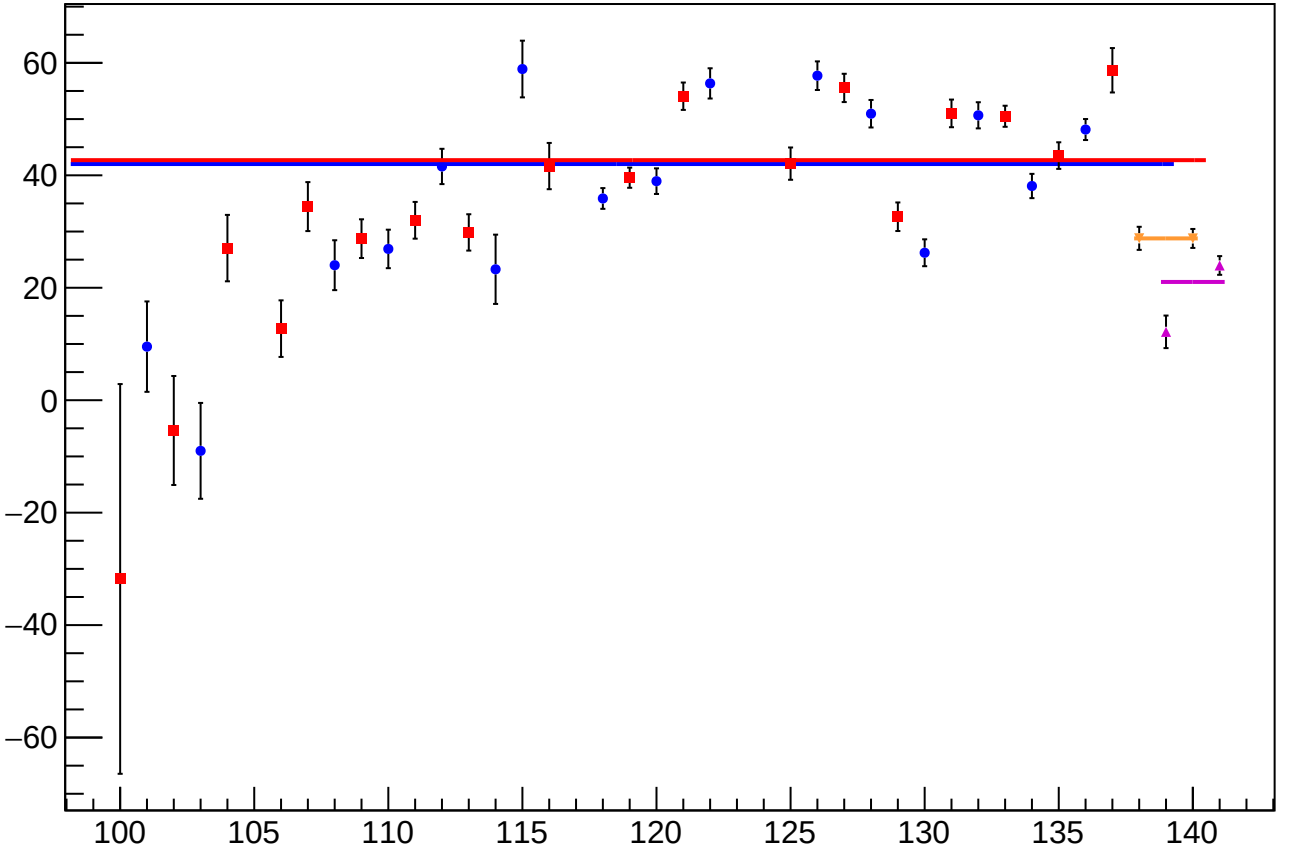
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 40.419+/-0.601 χ^2/NDF:659.2/17

Out: 37.722+/-0.600 χ^2/NDF:786.9/19

All: 39.068+/-0.425 χ^2/NDF: 1456.1/37

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 28.779+/-1.303 χ^2/NDF:0.0/1

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 21.034+/-1.443 χ^2/NDF:12.5/1

Left: 25.300+/-0.967 χ^2/NDF: 28.4/3

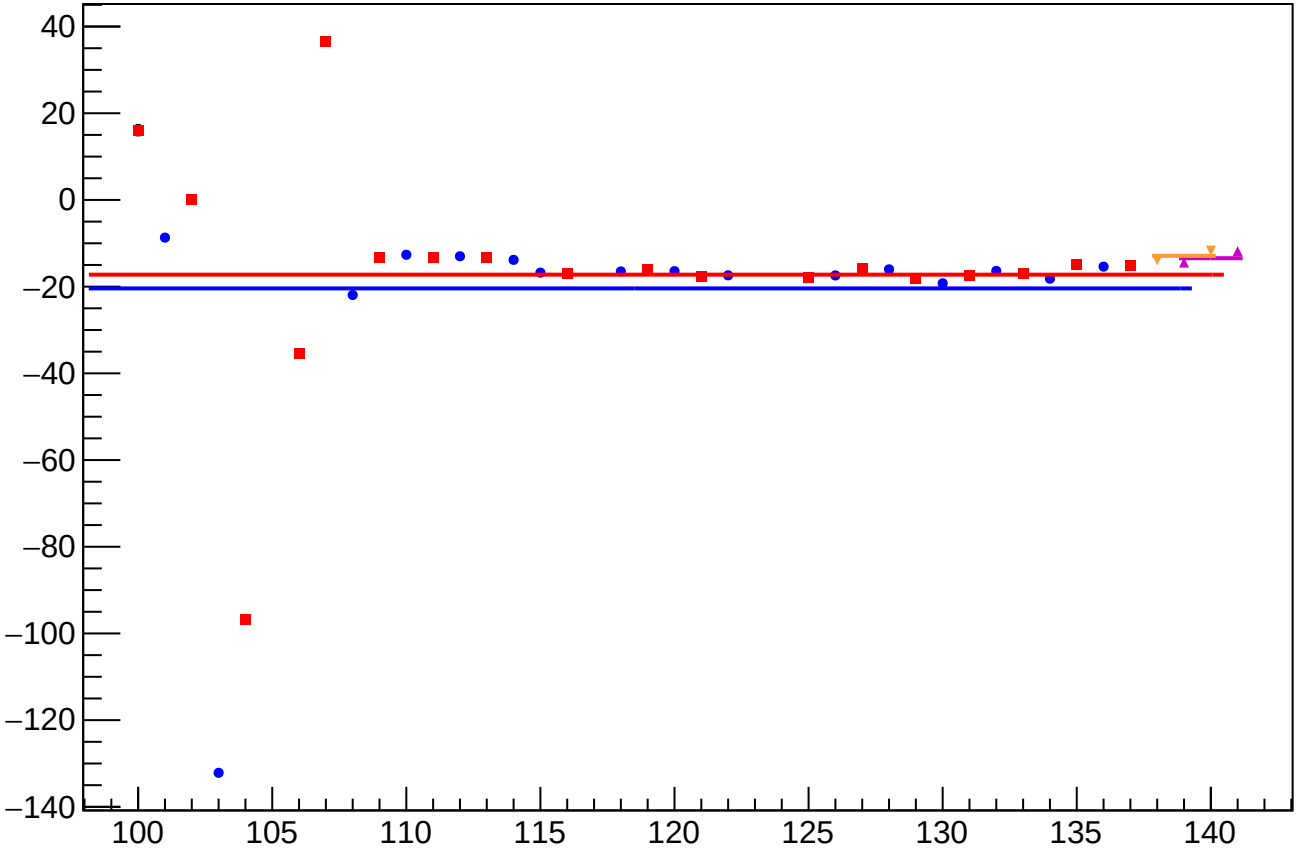
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 38.160+/-0.618 χ^2/NDF:457.8/17

Out: 39.616+/-0.613 χ^2/NDF:319.1/19

All: 38.893+/-0.435 χ^2/NDF: 779.7/37

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -12.891+/-0.052 χ^2/NDF:444.5/1

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -13.444+/-0.049 χ^2/NDF:669.6/1

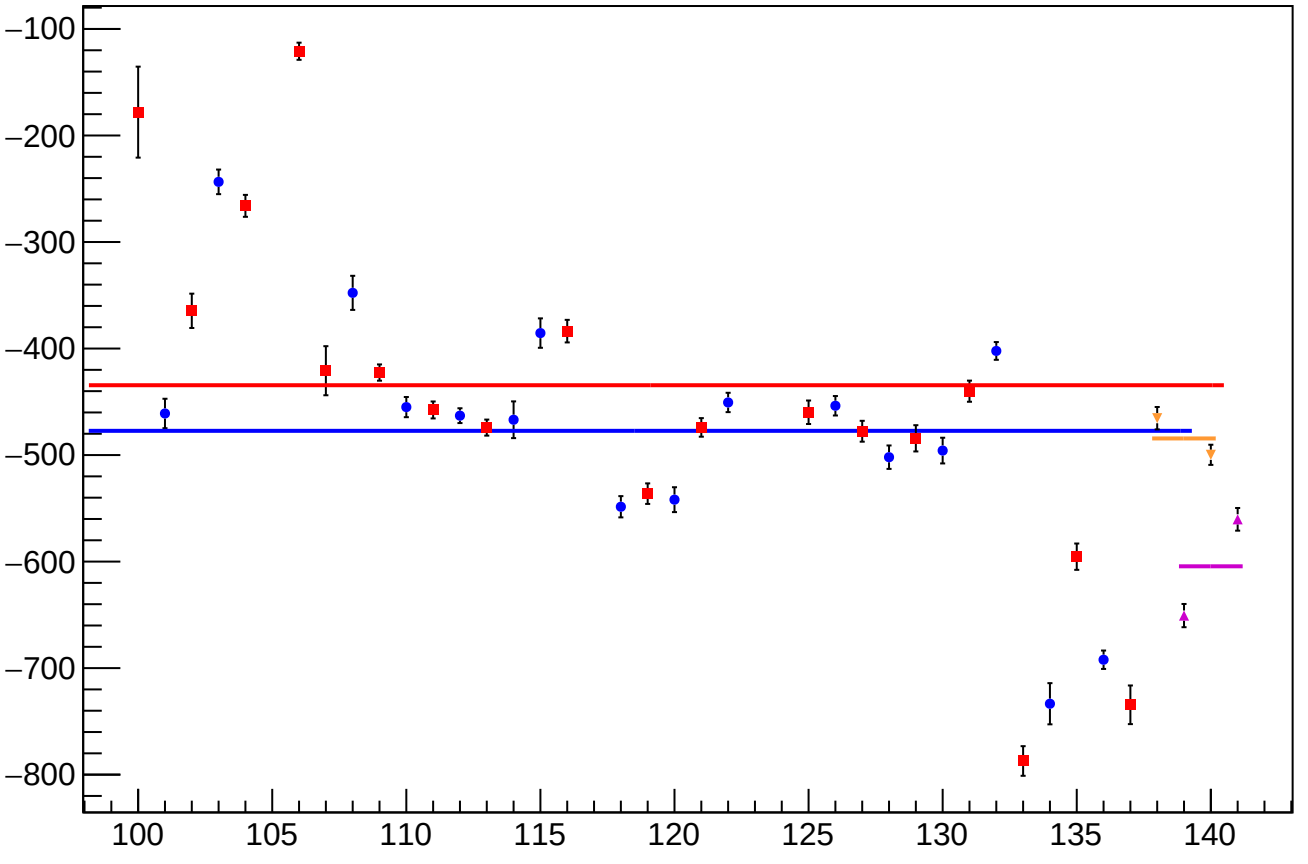
Left: -13.184+/-0.036 χ^2/NDF: 1173.7/3

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -17.469+/-0.032 χ^2/NDF:257920.5/17

Out: -15.422+/-0.034 χ^2/NDF:209155.1/19

All: -16.501+/-0.023 χ^2/NDF: 469024.8/37



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -484.403+/-7.032 χ^2/NDF:5.9/1

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -604.428+/-7.616 χ^2/NDF:35.2/1

Left: -539.638+/-5.166 χ^2/NDF: 175.2/3

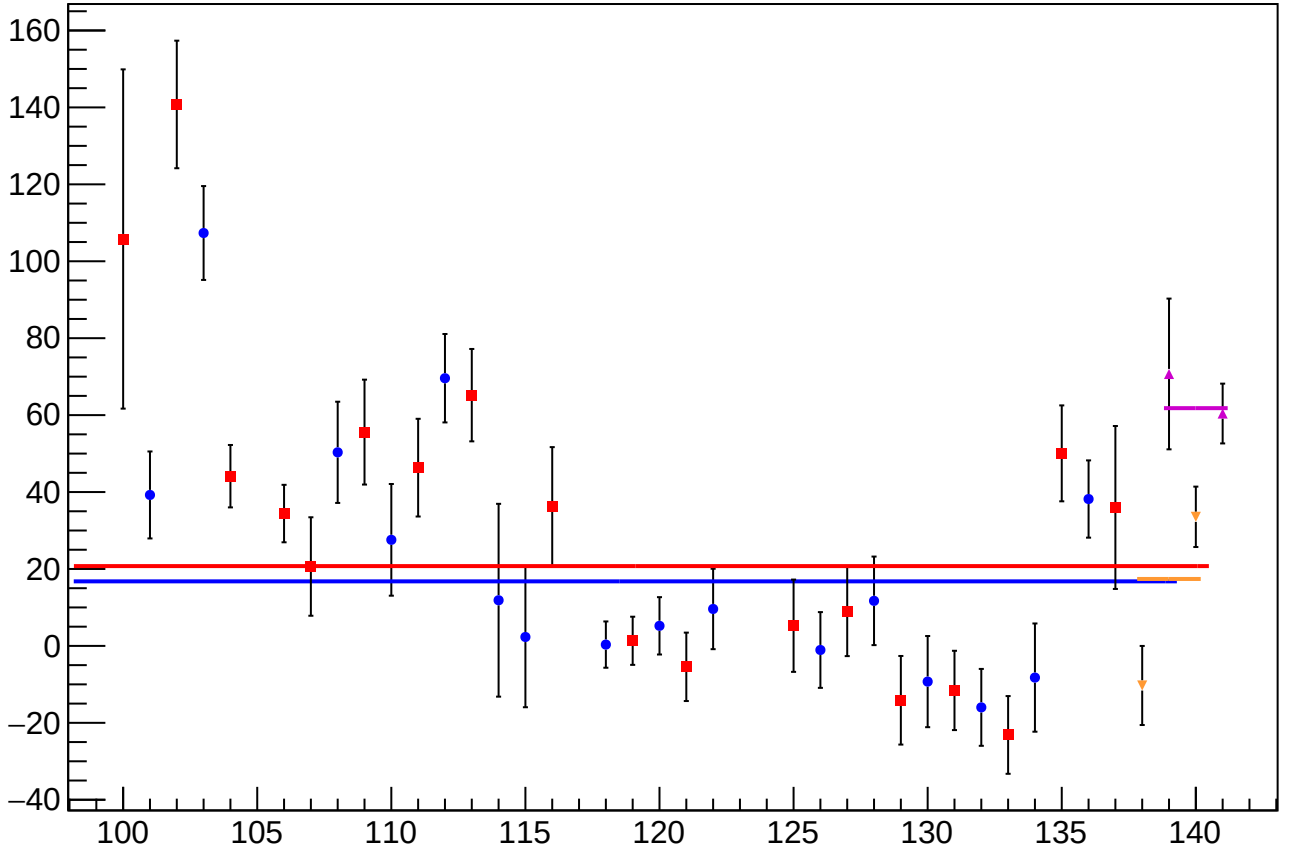
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -490.834+/-2.489 χ^2/NDF:1795.1/17

Out: -439.901+/-2.325 χ^2/NDF:3212.8/19

All: -463.641+/-1.699 χ^2/NDF: 5231.5/37

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 17.402+/-6.239 χ^2/NDF:11.5/1

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 61.811+/-7.225 χ^2/NDF:0.2/1

Left: 36.374+/-4.722 χ^2/NDF: 33.4/3

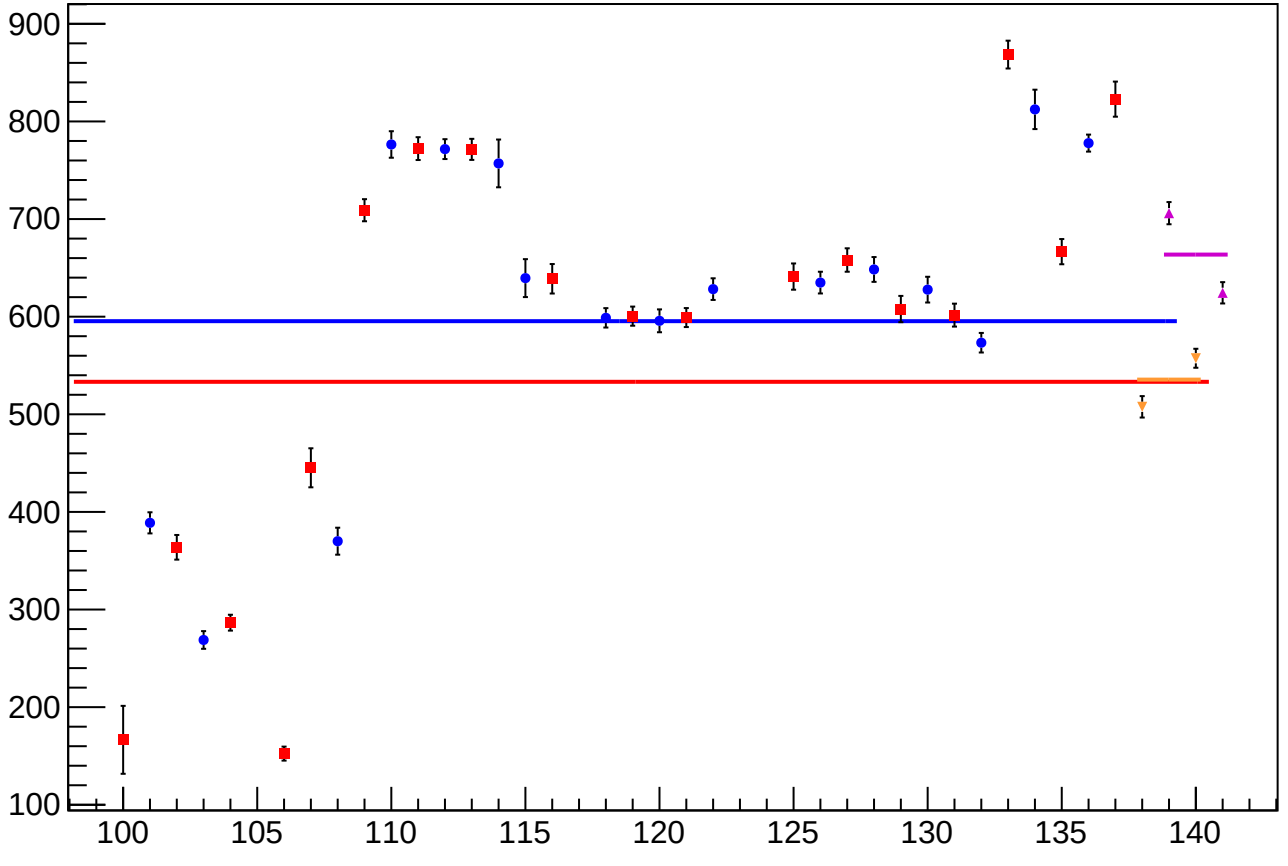
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 22.135+/-2.492 χ^2/NDF:159.4/17

Out: 20.270+/-2.359 χ^2/NDF:169.7/19

All: 21.152+/-1.713 χ^2/NDF: 329.4/37

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 535.529+/-7.277 χ^2/NDF:11.5/1

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 663.610+/-7.874 χ^2/NDF:26.8/1

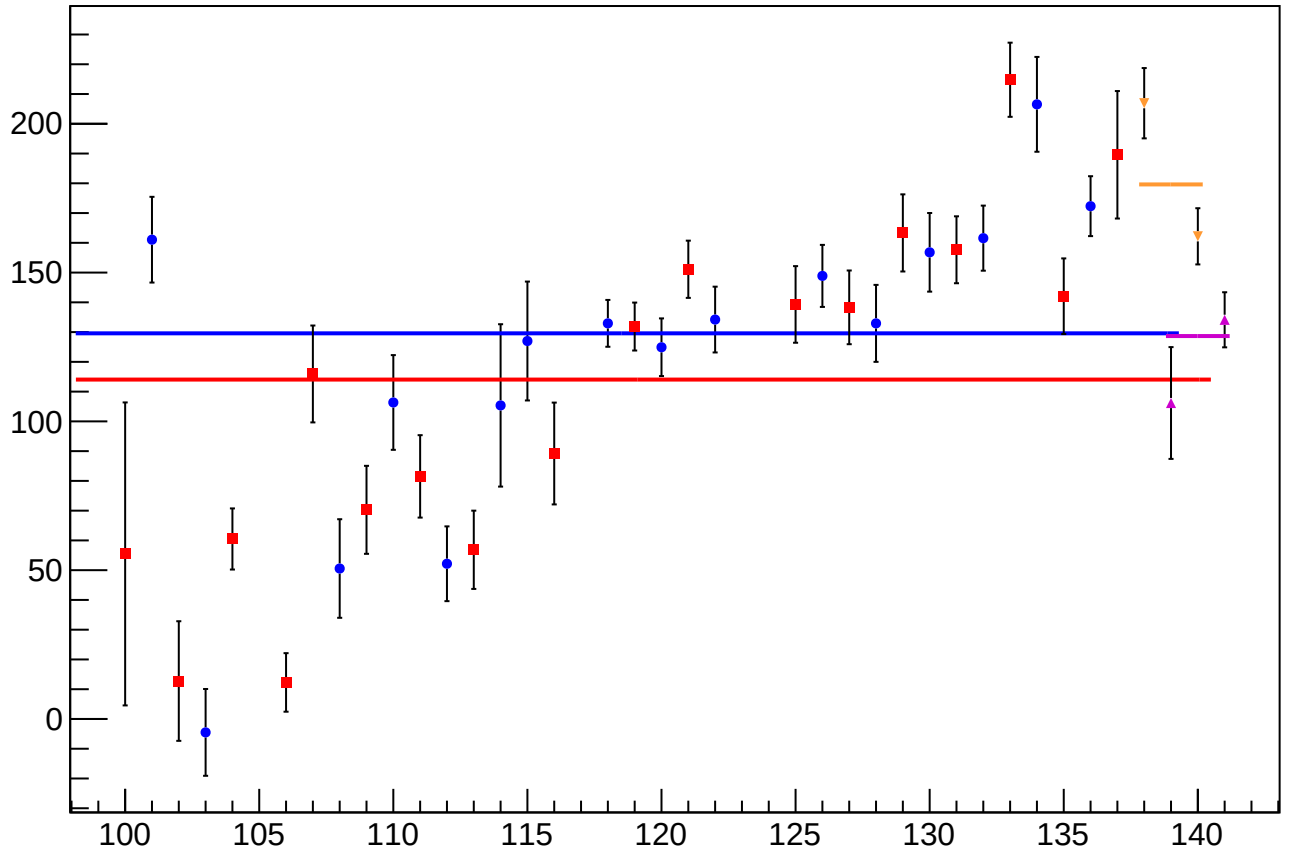
Left: 594.529+/-5.344 χ^2/NDF: 181.0/3

Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 603.700+/-2.746 χ^2/NDF:3152.4/17

Out: 533.563+/-2.569 χ^2/NDF:6514.5/19

All: 566.304+/-1.876 χ^2/NDF: 10014.8/37



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 179.620+/-7.376 χ^2/NDF:8.7/1

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 128.671+/-8.303 χ^2/NDF:1.8/1

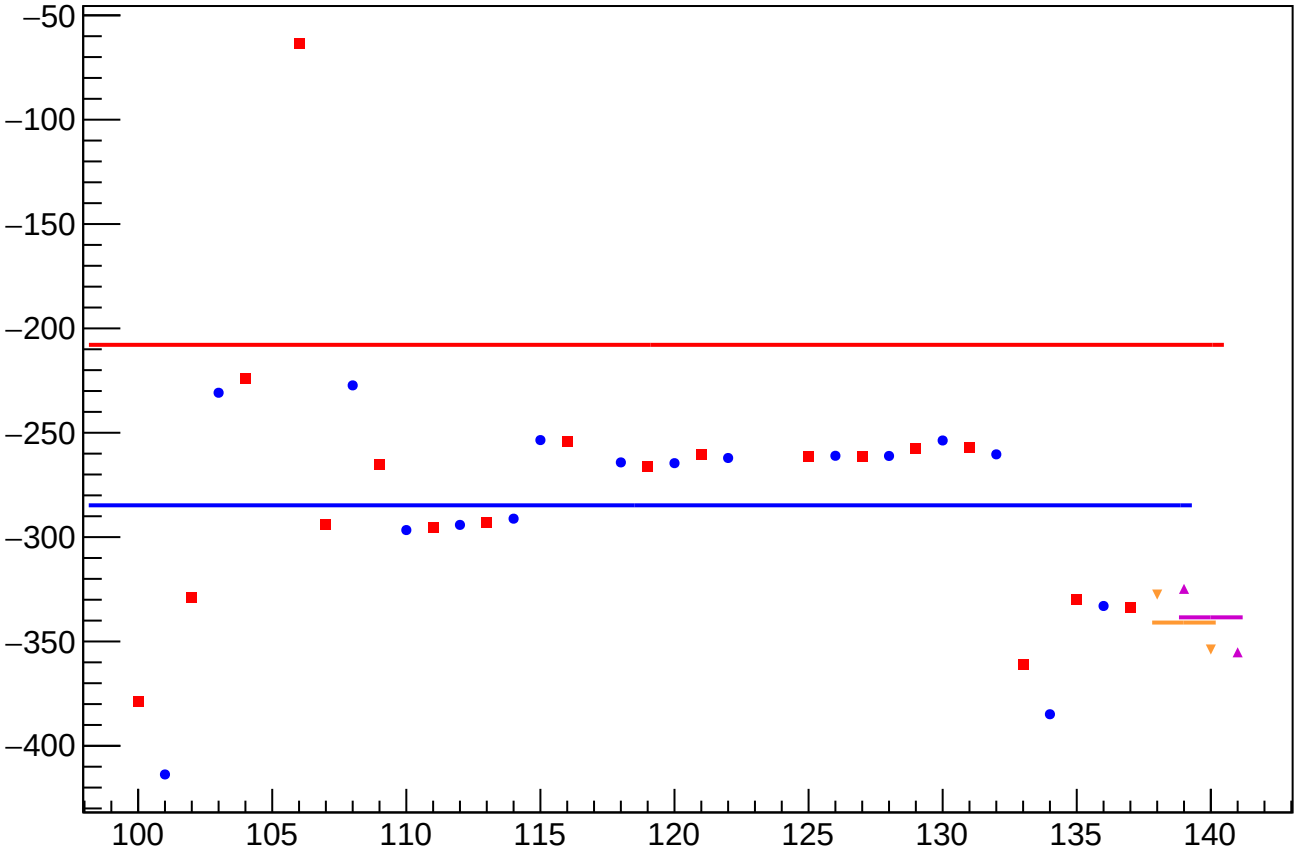
Left: 157.145+/-5.514 χ^2/NDF: 31.6/3

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 129.475+/-2.888 χ^2/NDF:213.0/17

Out: 123.227+/-2.760 χ^2/NDF:412.6/19

All: 126.209+/-1.995 χ^2/NDF: 628.1/37



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -340.937+/-0.310 χ^2/NDF:1804.8/1

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -338.437+/-0.301 χ^2/NDF:2531.5/1

Left: -339.649+/-0.216 χ^2/NDF: 4369.9/3

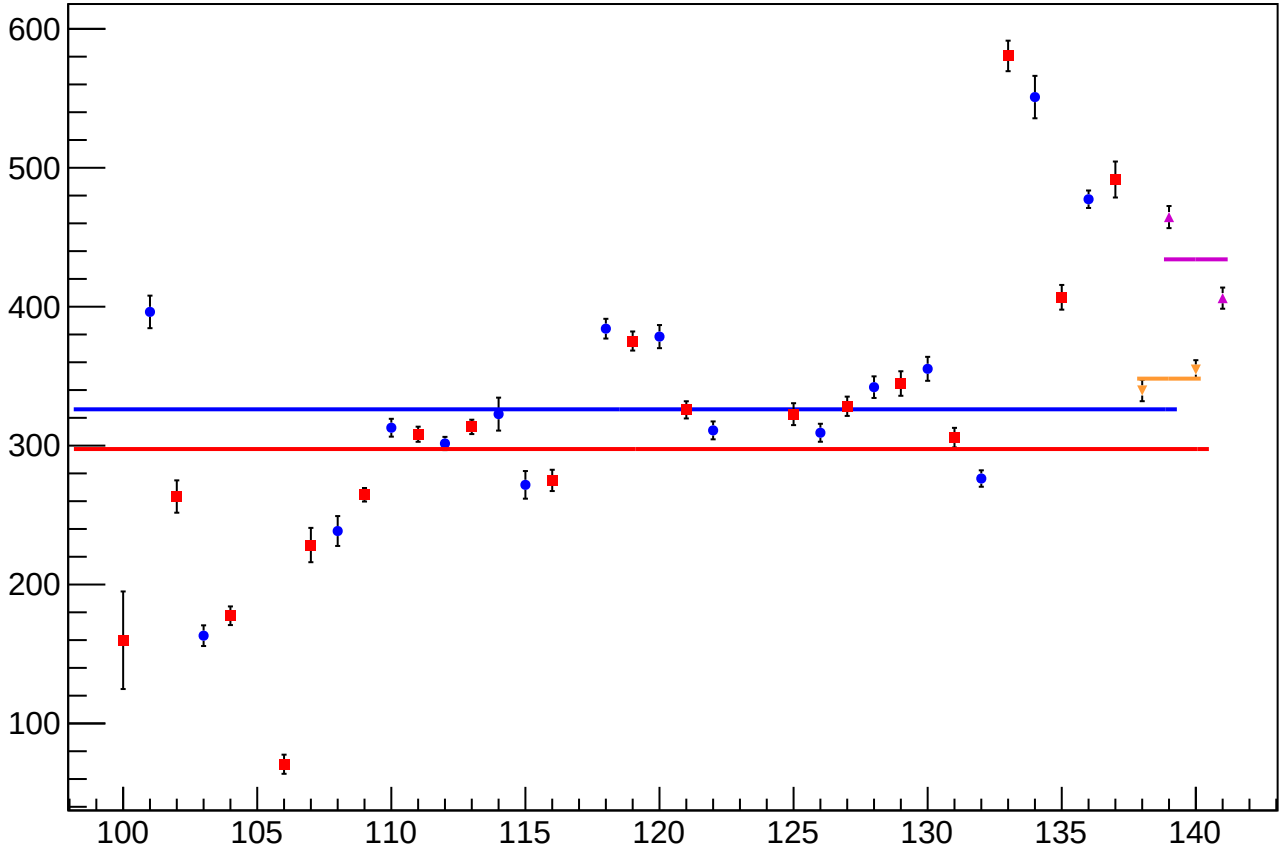
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -298.653+/-0.153 χ^2/NDF:130547.0/17

Out: -232.836+/-0.134 χ^2/NDF:688435.5/19

All: -261.473+/-0.101 χ^2/NDF: 923705.3/37

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 348.216+/-5.091 χ^2/NDF:2.1/1

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 434.089+/-5.504 χ^2/NDF:28.1/1

Left: 387.811+/-3.737 χ^2/NDF: 161.4/3

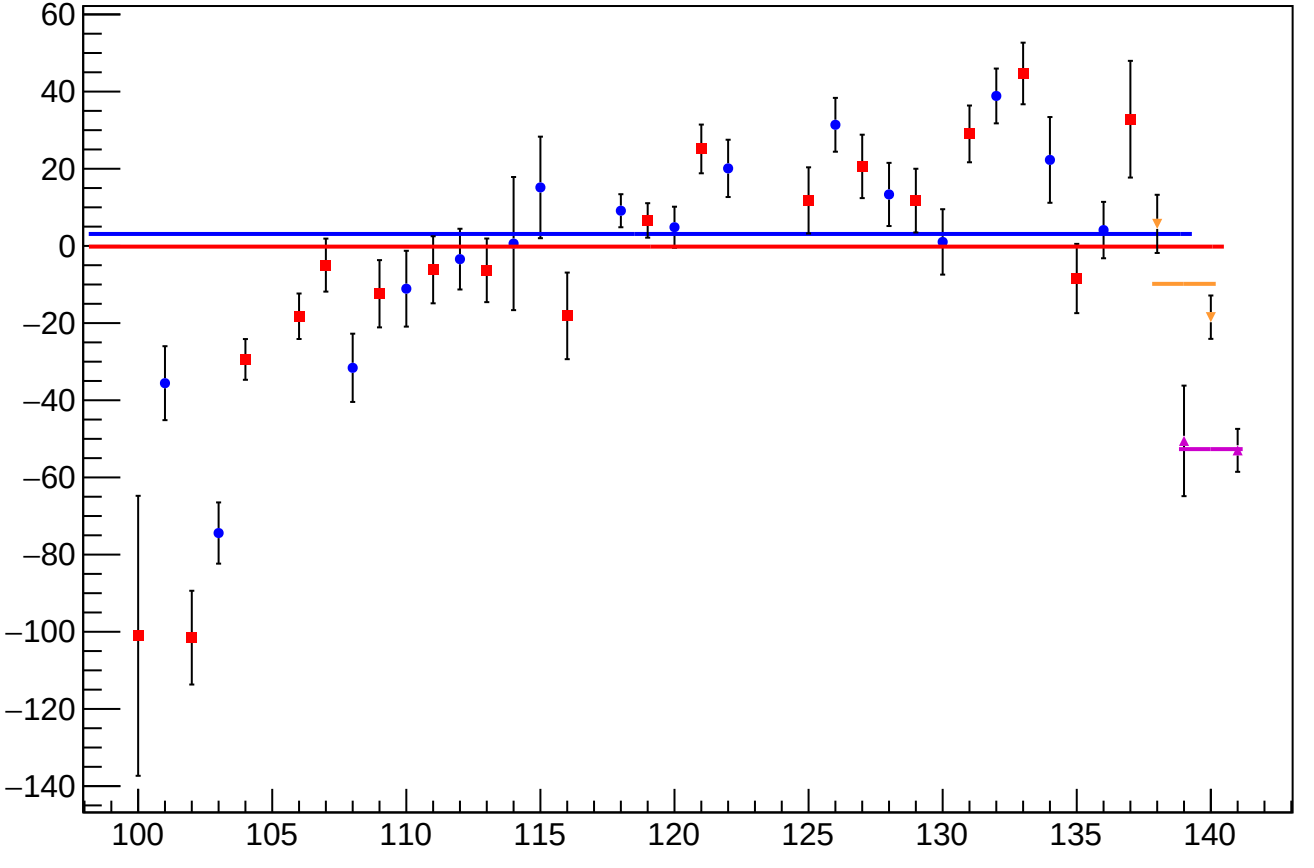
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 337.165+/-1.759 χ^2/NDF:2016.4/17

Out: 302.810+/-1.642 χ^2/NDF:2866.3/19

All: 318.803+/-1.200 χ^2/NDF: 5086.6/37

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -9.831+/-4.506 χ^2/NDF:6.6/1

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -52.661+/-5.188 χ^2/NDF:0.0/1

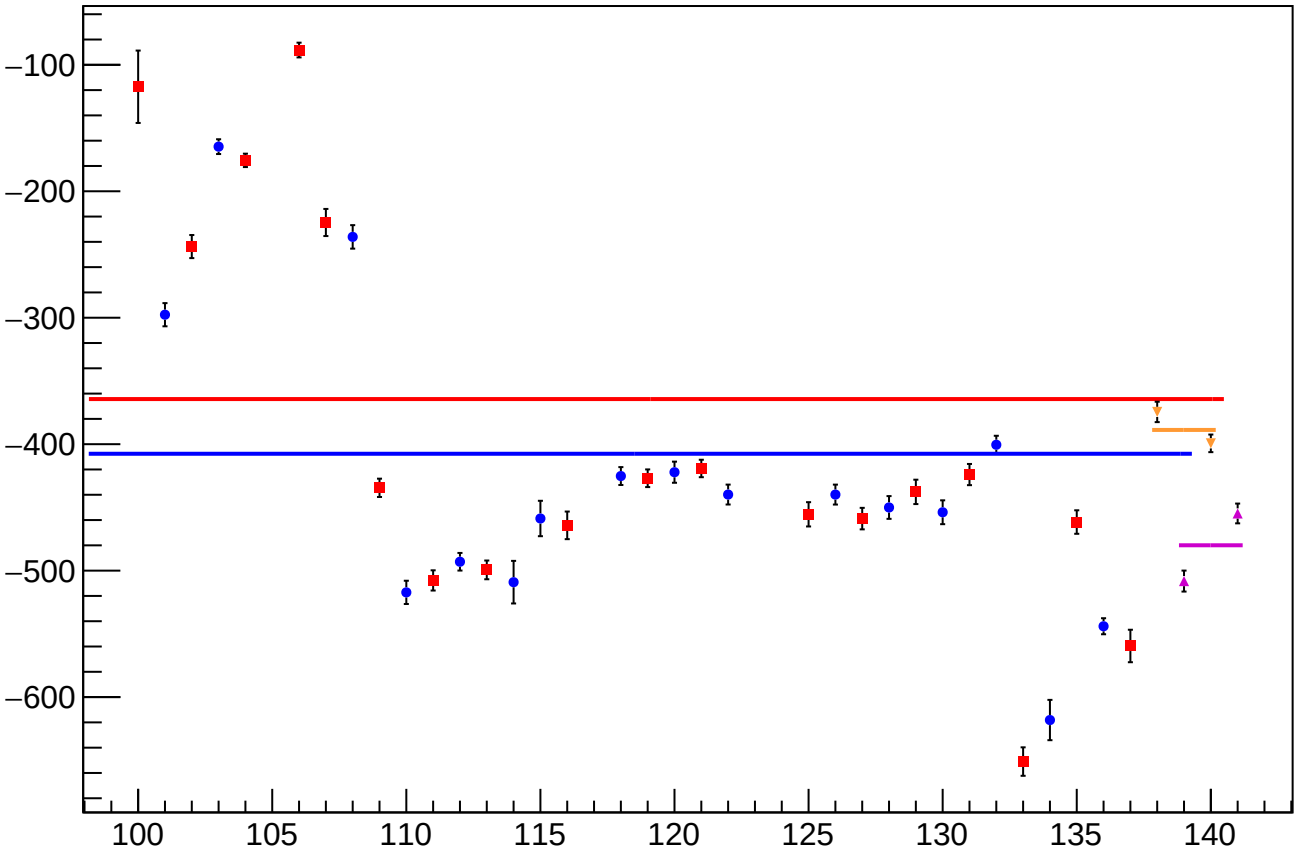
Left: -28.244+/-3.402 χ^2/NDF: 45.5/3

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -3.445+/-1.778 χ^2/NDF:286.5/17

Out: -1.497+/-1.664 χ^2/NDF:215.8/19

All: -2.407+/-1.215 χ^2/NDF: 502.9/37



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -388.736+/-5.267 χ^2/NDF:5.4/1

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -479.945+/-5.688 χ^2/NDF:22.0/1

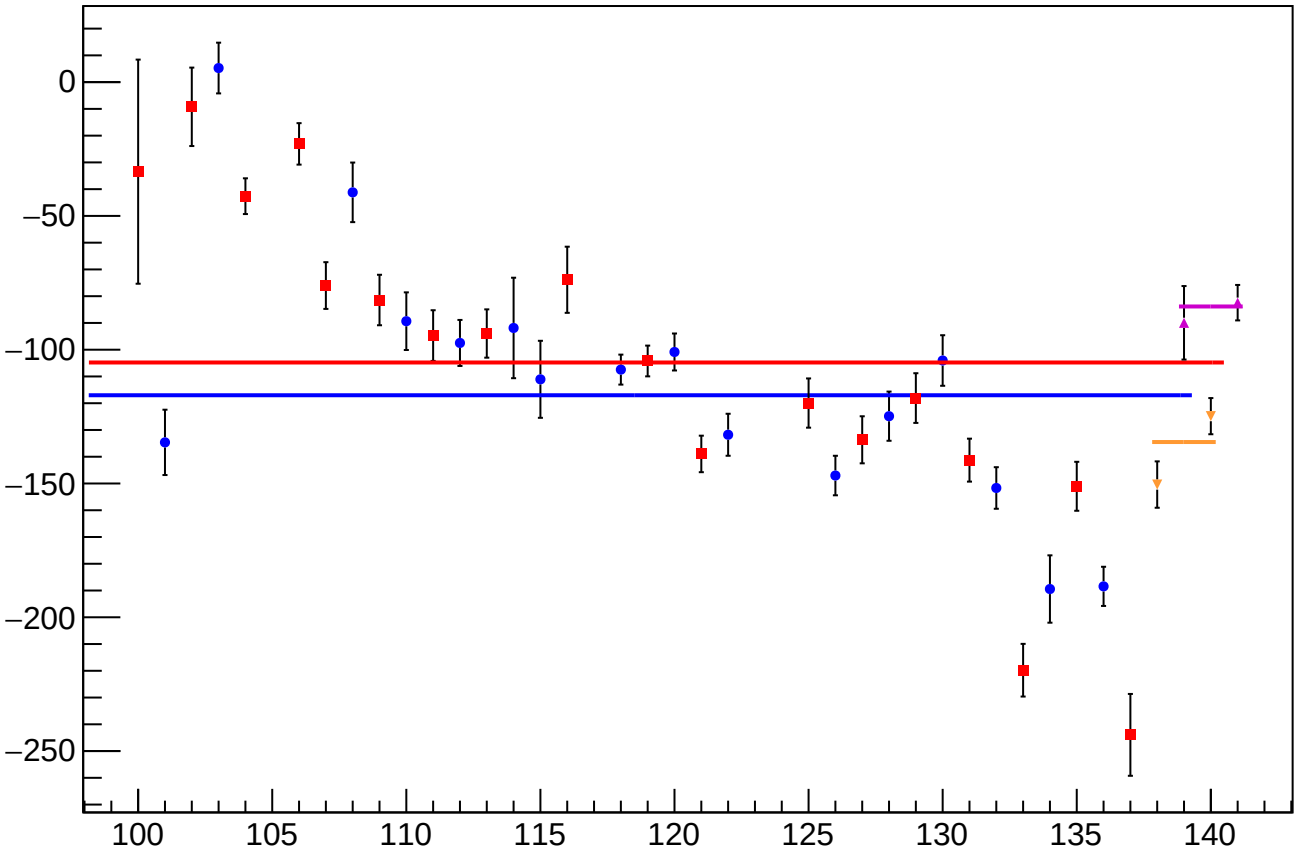
Left: -430.836+/-3.865 χ^2/NDF: 165.9/3

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -416.065+/-1.948 χ^2/NDF:3445.4/17

Out: -367.245+/-1.822 χ^2/NDF:6244.8/19

All: -390.027+/-1.331 χ^2/NDF: 10025.1/37



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -134.503+/-5.330 χ^2/NDF:5.4/1

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -83.846+/-5.969 χ^2/NDF:0.2/1

Left: -112.031+/-3.976 χ^2/NDF: 45.7/3

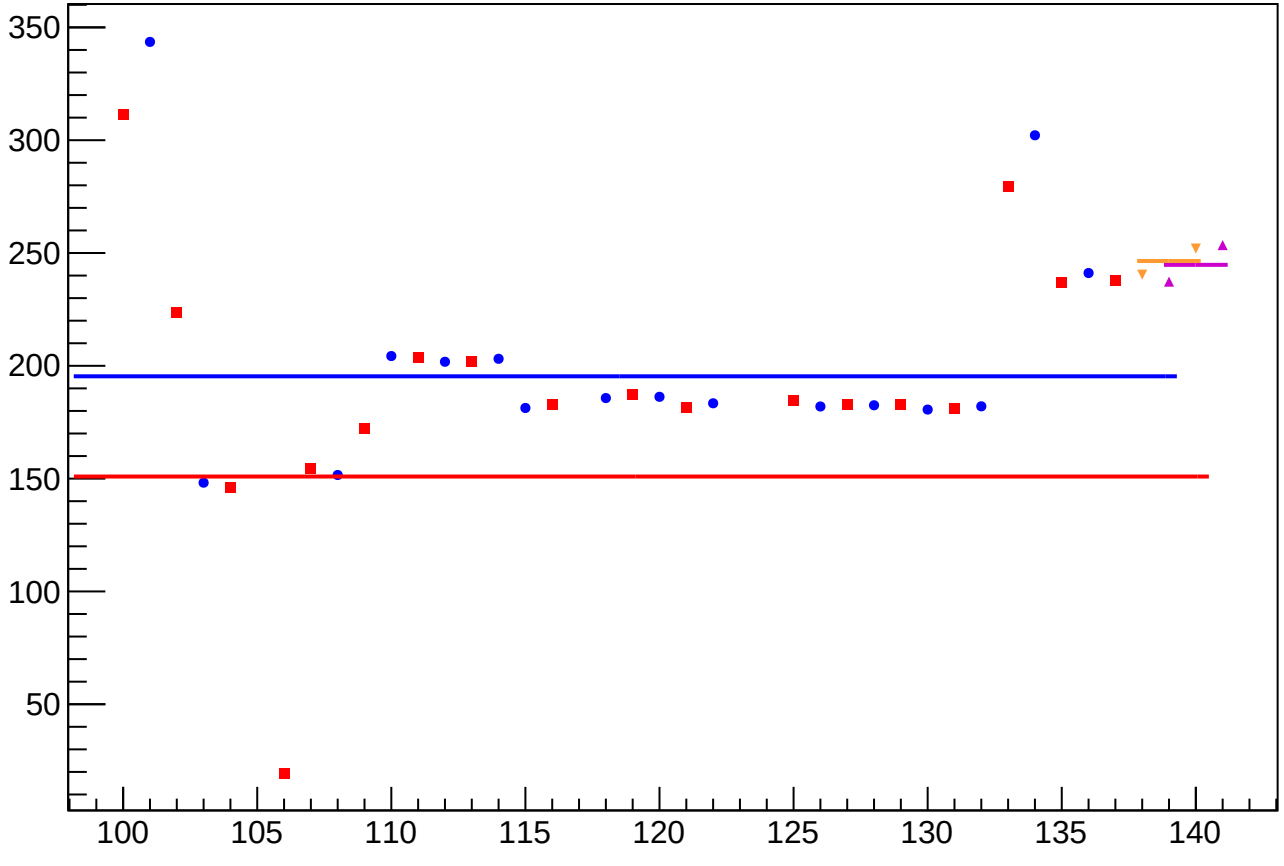
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -113.071+/-2.060 χ^2/NDF:435.3/17

Out: -108.743+/-1.946 χ^2/NDF:607.5/19

All: -110.785+/-1.415 χ^2/NDF: 1045.1/37

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 246.453+/-0.225 χ^2/NDF:661.4/1

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 244.756+/-0.218 χ^2/NDF:1376.1/1

Left: 245.578+/-0.156 χ^2/NDF: 2067.0/3

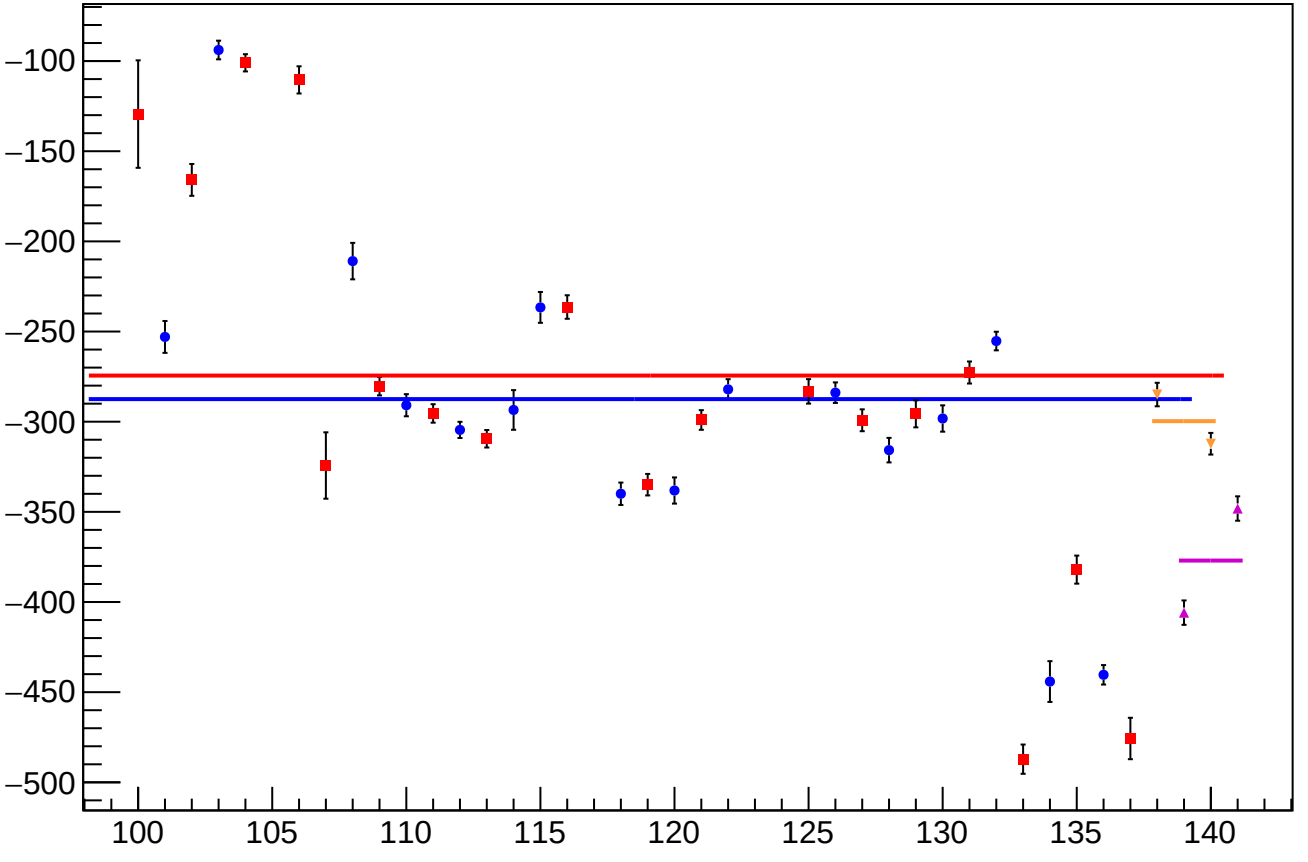
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 207.555+/-0.108 χ^2/NDF:217168.8/17

Out: 169.469+/-0.099 χ^2/NDF:645779.1/19

All: 186.815+/-0.073 χ^2/NDF: 930487.2/37

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -299.694+/-4.419 χ^2/NDF:9.5/1

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -377.009+/-4.781 χ^2/NDF:36.5/1

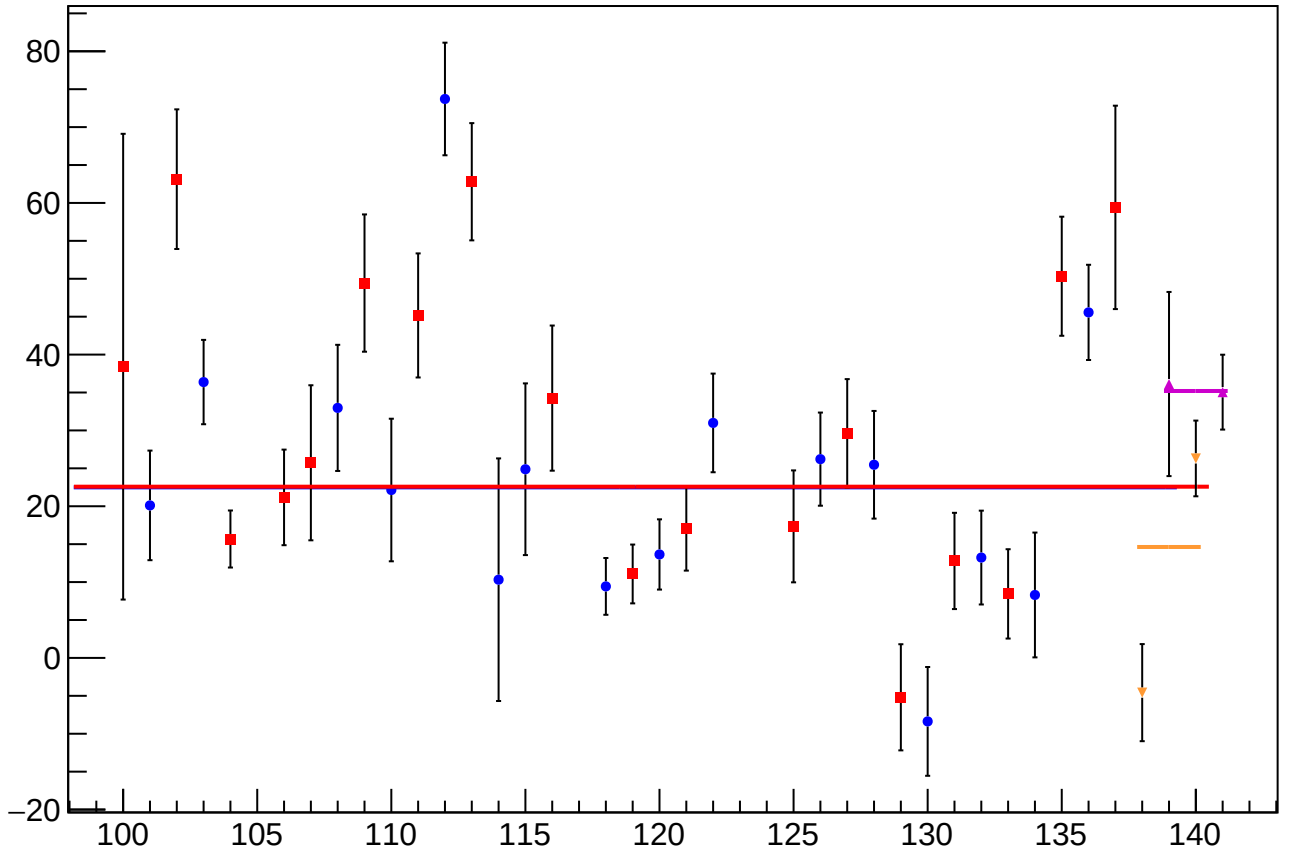
Left: -335.315+/-3.245 χ^2/NDF: 186.9/3

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -296.607+/-1.527 χ^2/NDF:3047.9/17

Out: -277.190+/-1.464 χ^2/NDF:3452.0/19

All: -286.489+/-1.057 χ^2/NDF: 6584.2/37



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 14.629+/-3.937 χ^2/NDF:14.5/1

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 35.200+/-4.574 χ^2/NDF:0.0/1

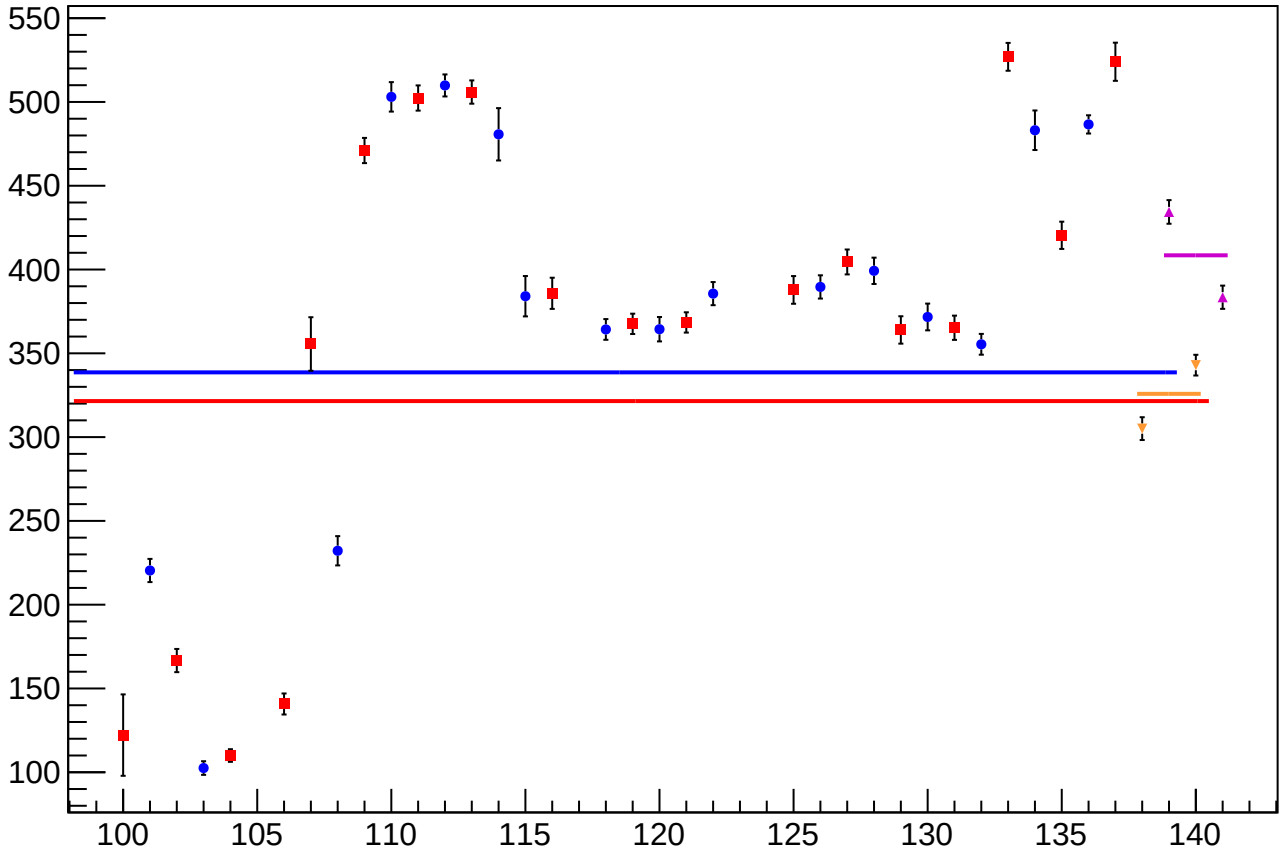
Left: 23.383+/-2.984 χ^2/NDF: 26.1/3

Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 23.910+/-1.528 χ^2/NDF:118.3/17

Out: 21.489+/-1.458 χ^2/NDF:141.3/19

All: 22.643+/-1.055 χ^2/NDF: 260.9/37



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 325.818+/-4.574 χ^2/NDF:17.0/1

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 408.485+/-4.944 χ^2/NDF:26.5/1

Left: 363.939+/-3.358 χ^2/NDF: 194.1/3

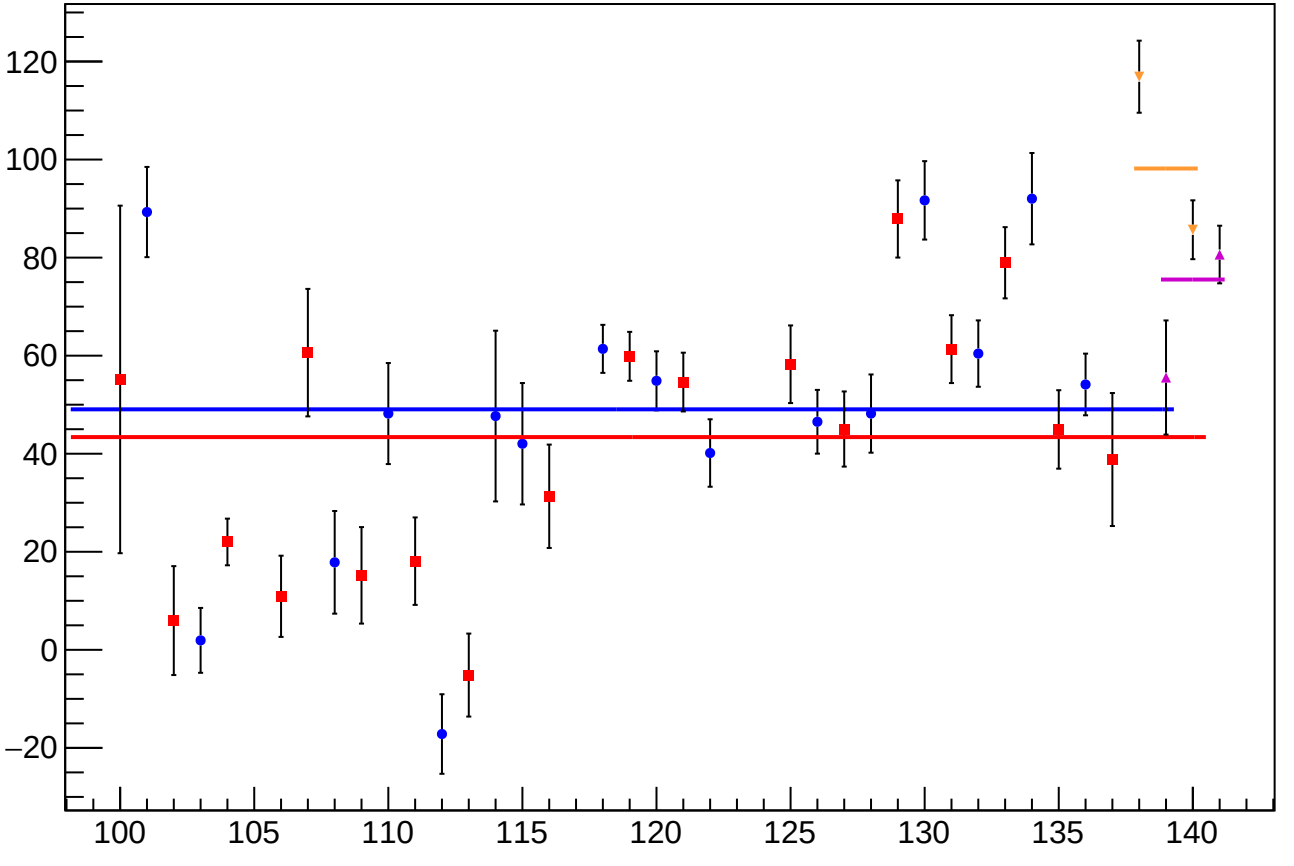
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 346.395+/-1.648 χ^2/NDF:6246.5/17

Out: 322.021+/-1.589 χ^2/NDF:7738.6/19

All: 333.760+/-1.144 χ^2/NDF: 14098.5/37

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 98.173+/-4.649 χ^2/NDF:10.8/1

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 75.530+/-5.247 χ^2/NDF:3.7/1

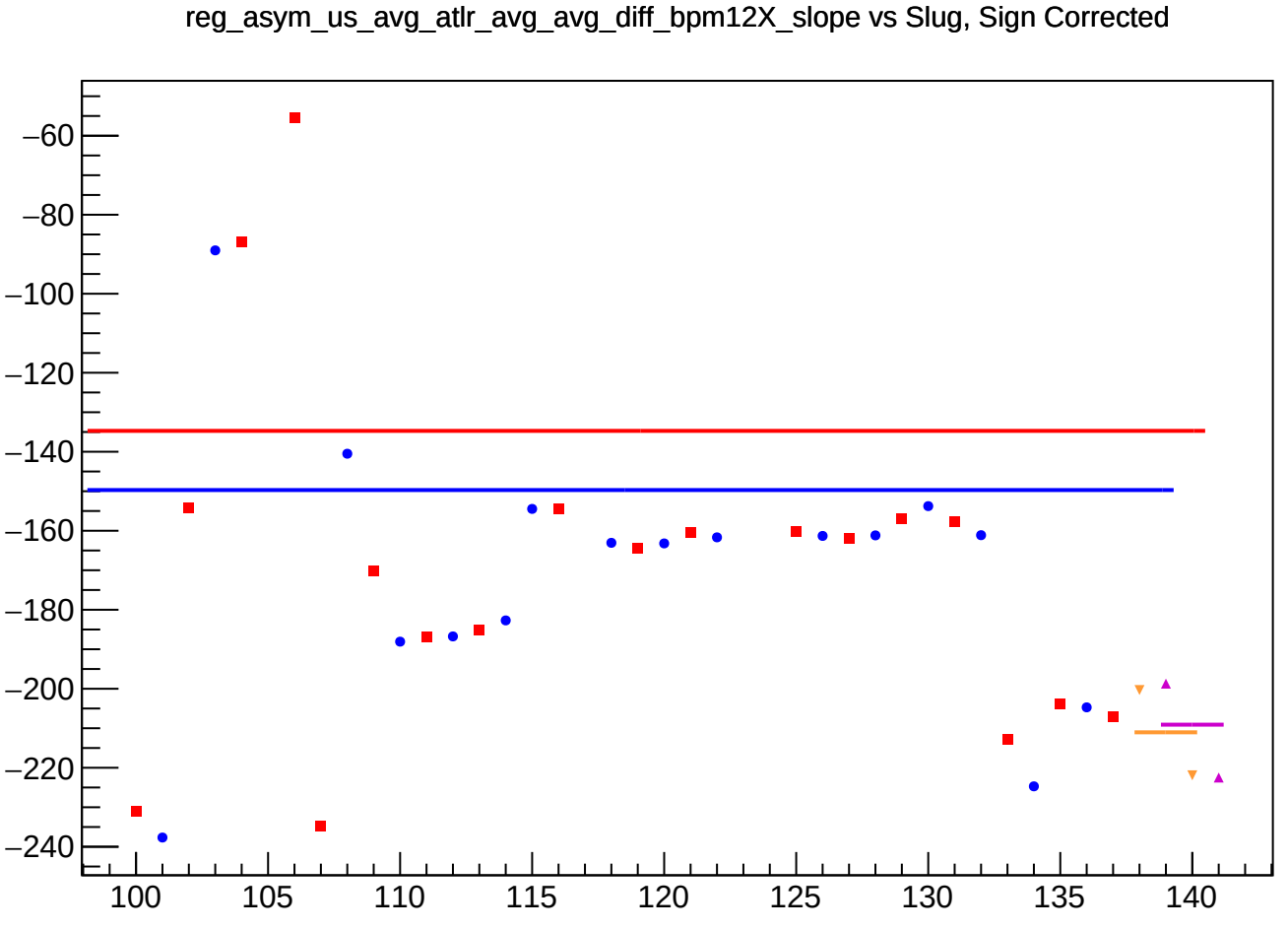
Left: 88.215+/-3.480 χ^2/NDF: 25.0/3

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 52.072+/-1.772 χ^2/NDF:234.2/17

Out: 50.767+/-1.706 χ^2/NDF:311.0/19

All: 51.395+/-1.229 χ^2/NDF: 545.4/37



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -211.030+/-0.194 χ^2/NDF:3085.0/1

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -209.093+/-0.188 χ^2/NDF:3925.7/1

Left: -210.031+/-0.135 χ^2/NDF: 7062.0/3

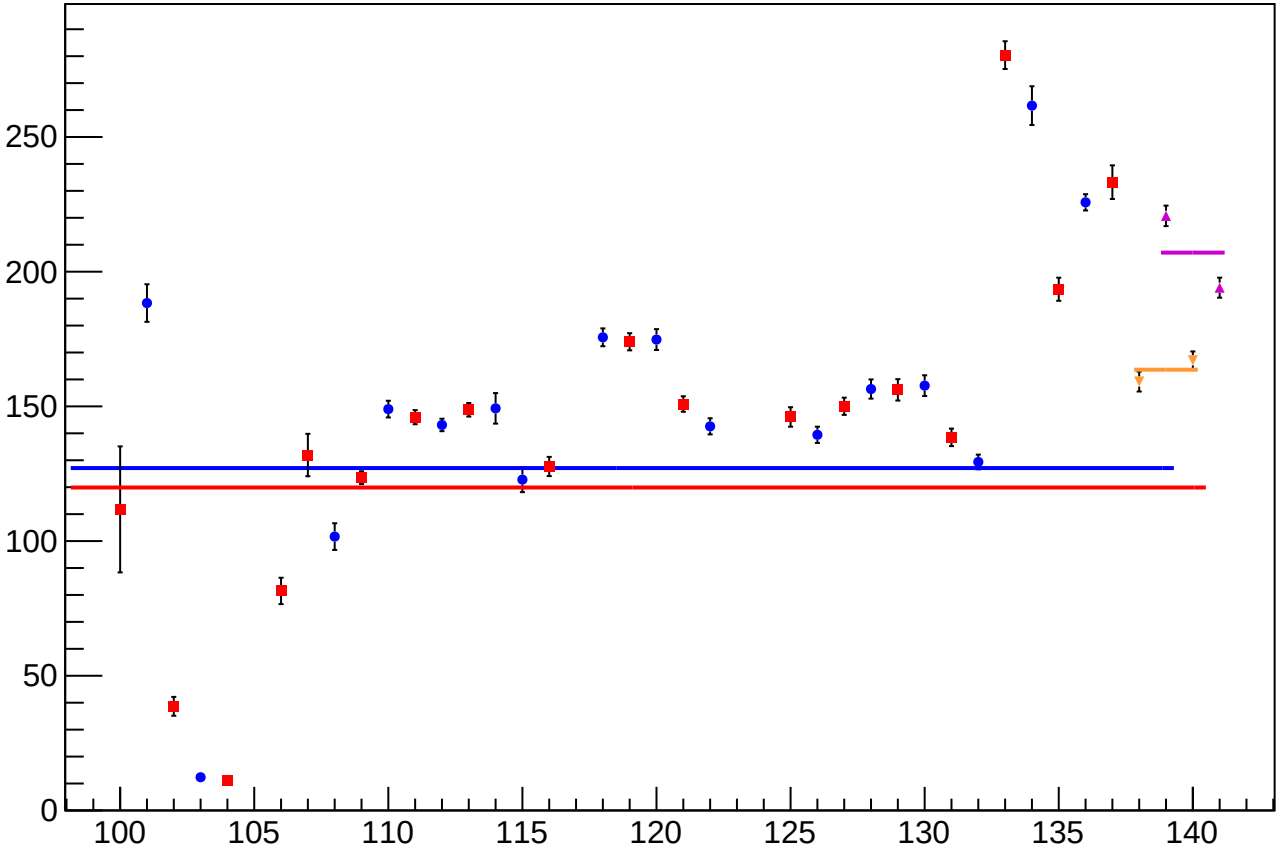
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -162.939+/-0.089 χ^2/NDF:337765.2/17

Out: -149.938+/-0.087 χ^2/NDF:439212.8/19

All: -156.284+/-0.062 χ^2/NDF: 787931.0/37

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 163.615+/-2.466 χ^2/NDF:2.5/1

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.081+/-2.658 χ^2/NDF:25.1/1

Left: 183.721+/-1.808 χ^2/NDF: 171.4/3

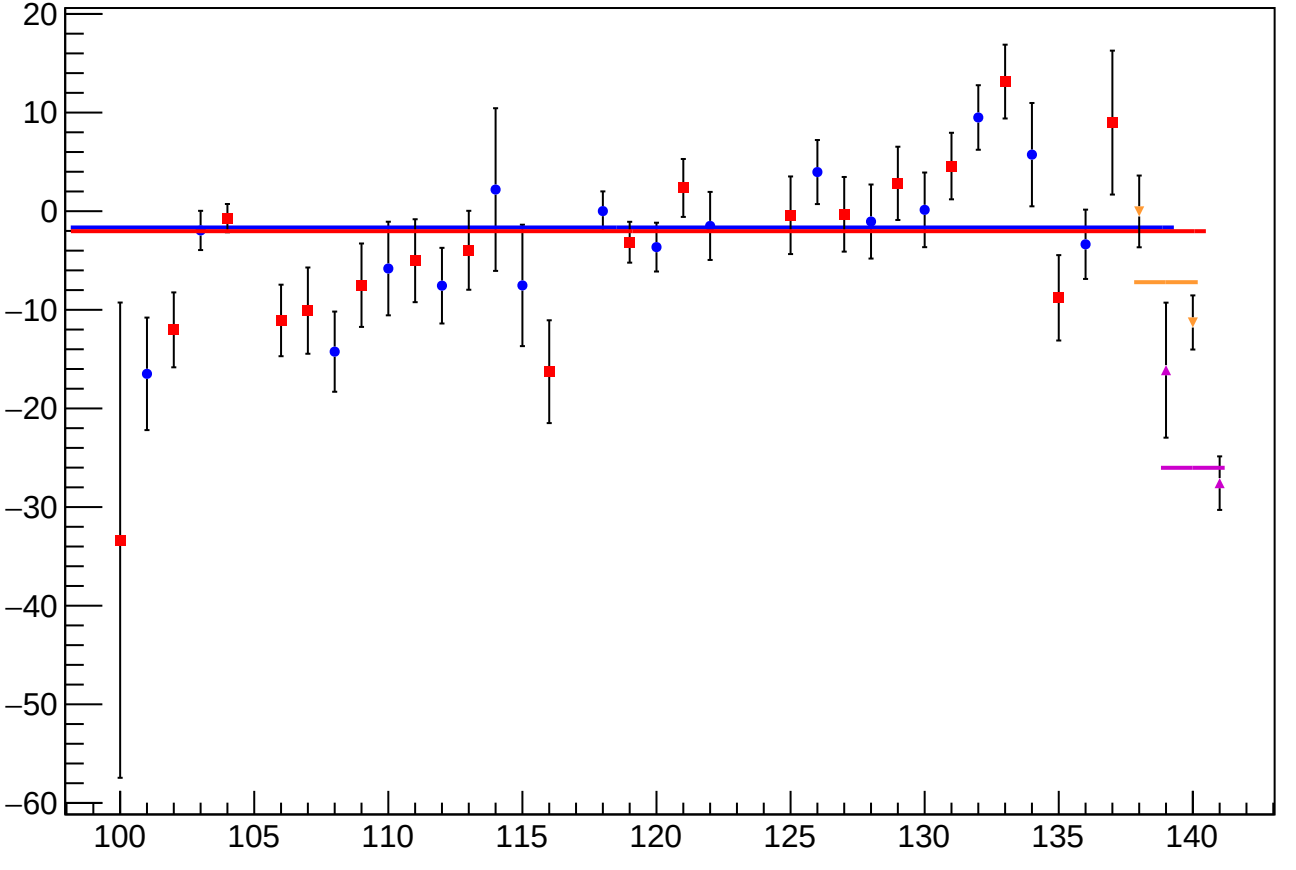
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 133.908+/-0.776 χ^2/NDF:7016.6/17

Out: 123.810+/-0.739 χ^2/NDF:6938.3/19

All: 128.613+/-0.535 χ^2/NDF: 14043.8/37

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -7.198+/-2.191 χ^2/NDF:6.1/1

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -26.018+/-2.524 χ^2/NDF:2.4/1

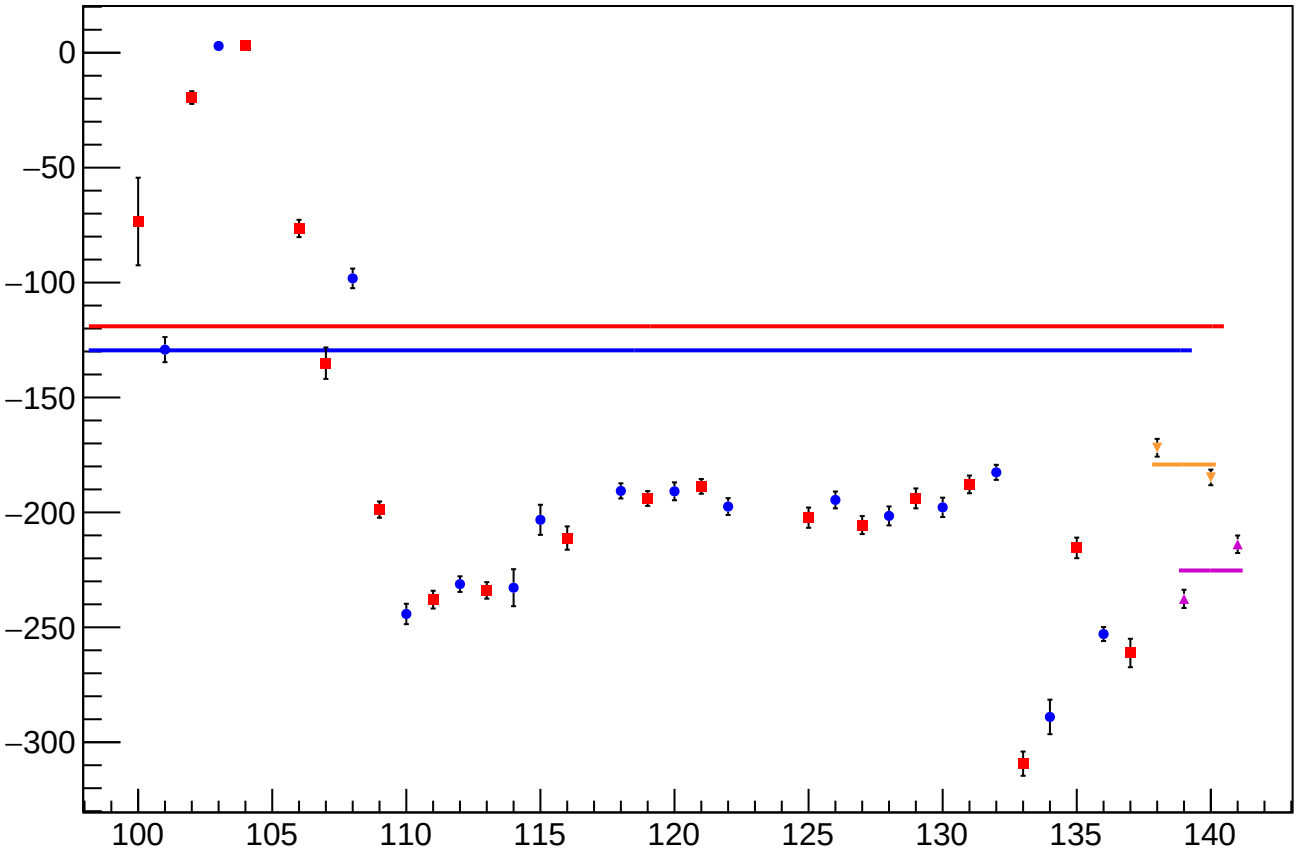
Left: -15.285+/-1.654 χ^2/NDF: 40.2/3

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -4.044+/-0.791 χ^2/NDF:125.6/17

Out: -2.596+/-0.727 χ^2/NDF:69.6/19

All: -3.259+/-0.535 χ^2/NDF: 197.0/37



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -179.165+/-2.552 χ^2/NDF:6.3/1

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -225.275+/-2.748 χ^2/NDF:18.7/1

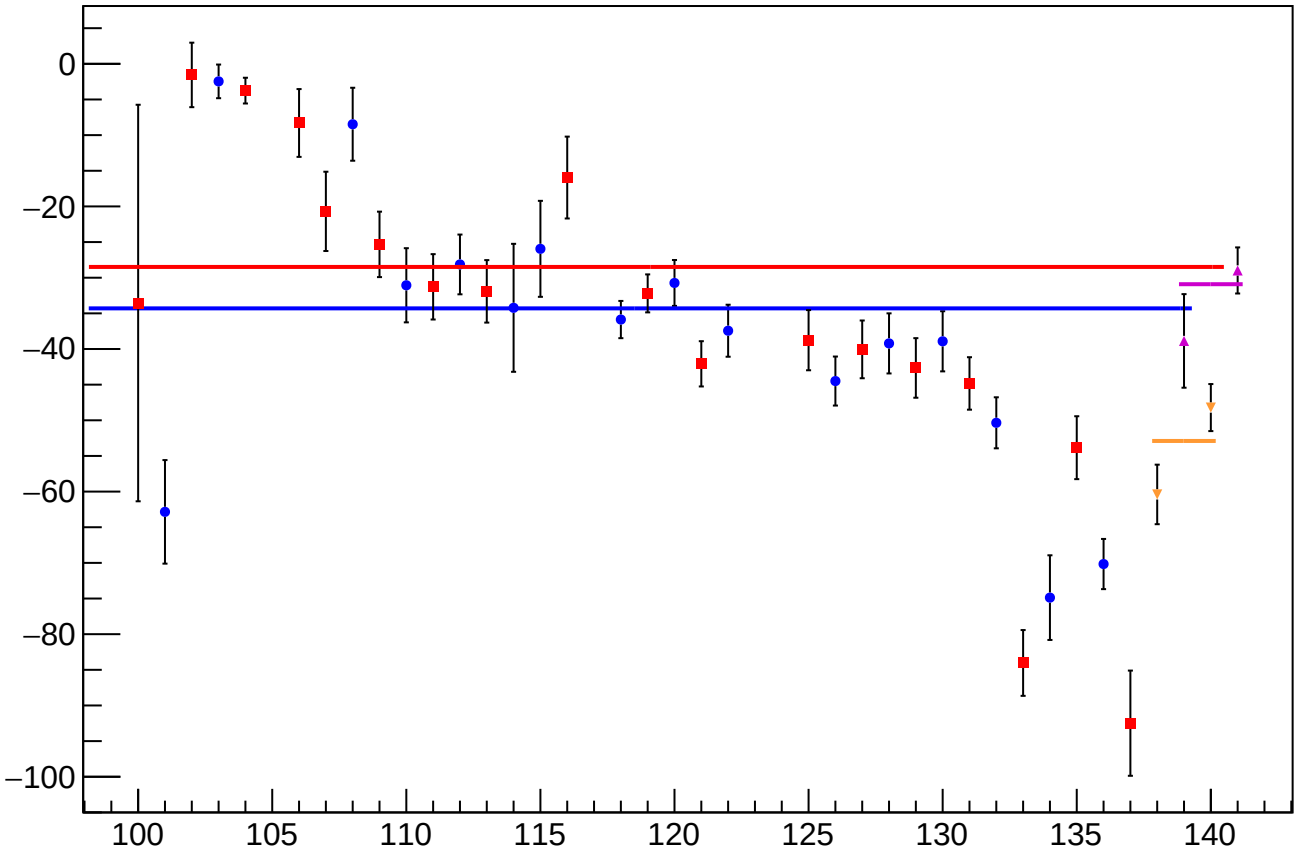
Left: -200.516+/-1.870 χ^2/NDF: 176.1/3

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -137.796+/-0.809 χ^2/NDF:15816.1/17

Out: -124.561+/-0.774 χ^2/NDF:16687.9/19

All: -130.891+/-0.559 χ^2/NDF: 32643.6/37



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -52.898+/-2.589 χ^2/NDF:5.2/1

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -30.910+/-2.899 χ^2/NDF:1.8/1

Left: -43.145+/-1.931 χ^2/NDF: 39.1/3

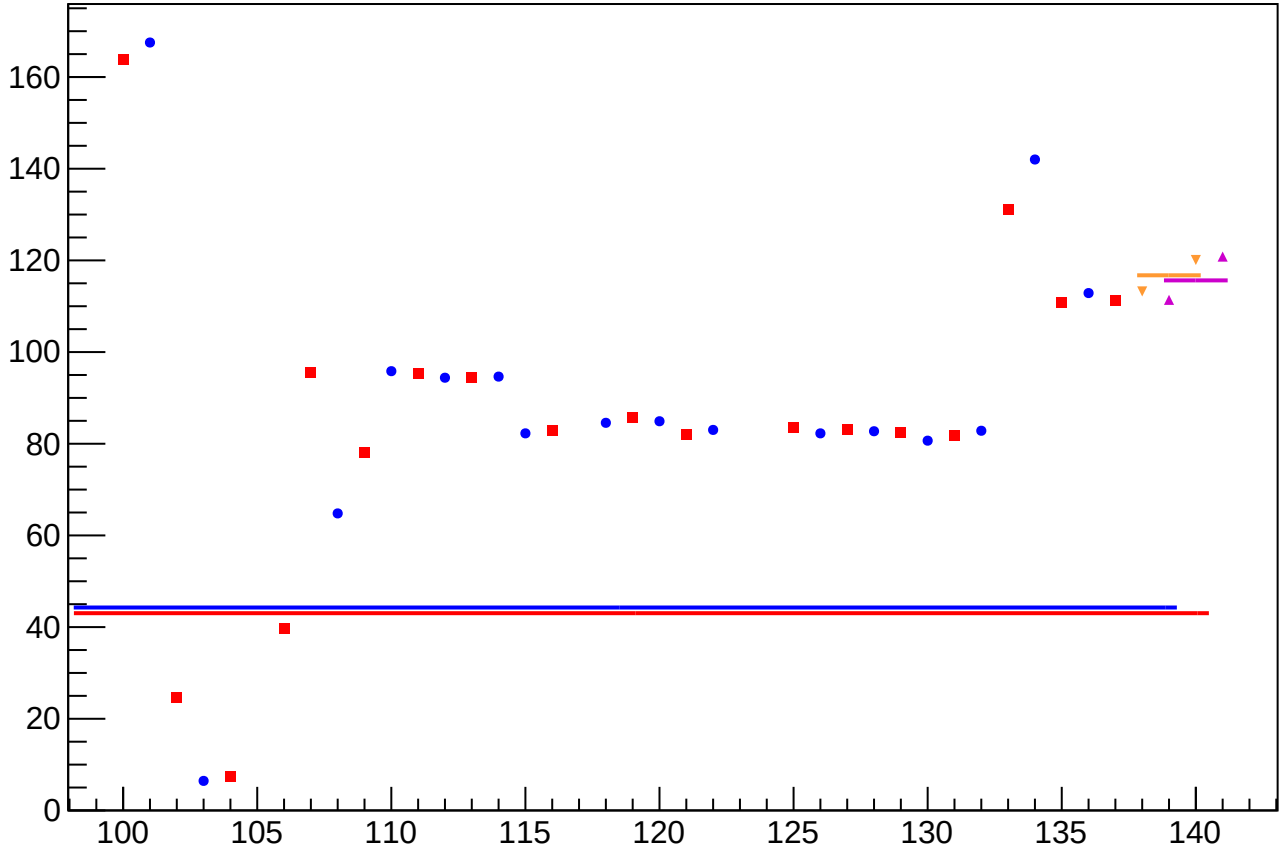
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -33.961+/-0.918 χ^2/NDF:414.4/17

Out: -31.156+/-0.856 χ^2/NDF:652.5/19

All: -32.460+/-0.626 χ^2/NDF: 1071.8/37

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 116.749+/-0.109 χ^2/NDF:996.7/1

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 115.637+/-0.105 χ^2/NDF:2001.5/1

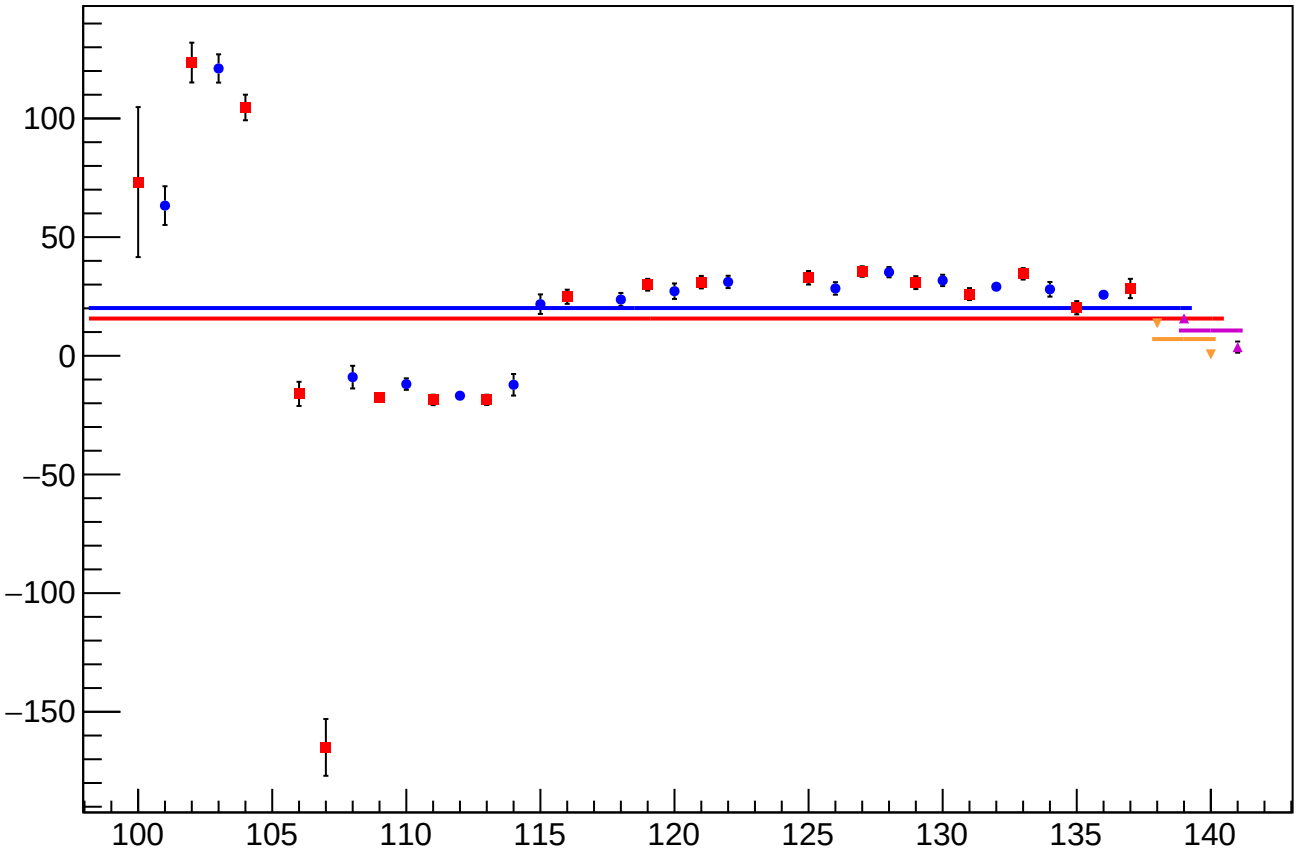
Left: 116.174+/-0.075 χ^2/NDF: 3052.5/3

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 55.339+/-0.041 χ^2/NDF:1478026.5/17

Out: 53.856+/-0.042 χ^2/NDF:1199400.4/19

All: 54.602+/-0.029 χ^2/NDF: 2678066.4/37



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 7.060+/-1.471 χ^2/NDF:19.8/1

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 10.661+/-1.527 χ^2/NDF:15.4/1

Left: 8.794+/-1.059 χ^2/NDF: 38.0/3

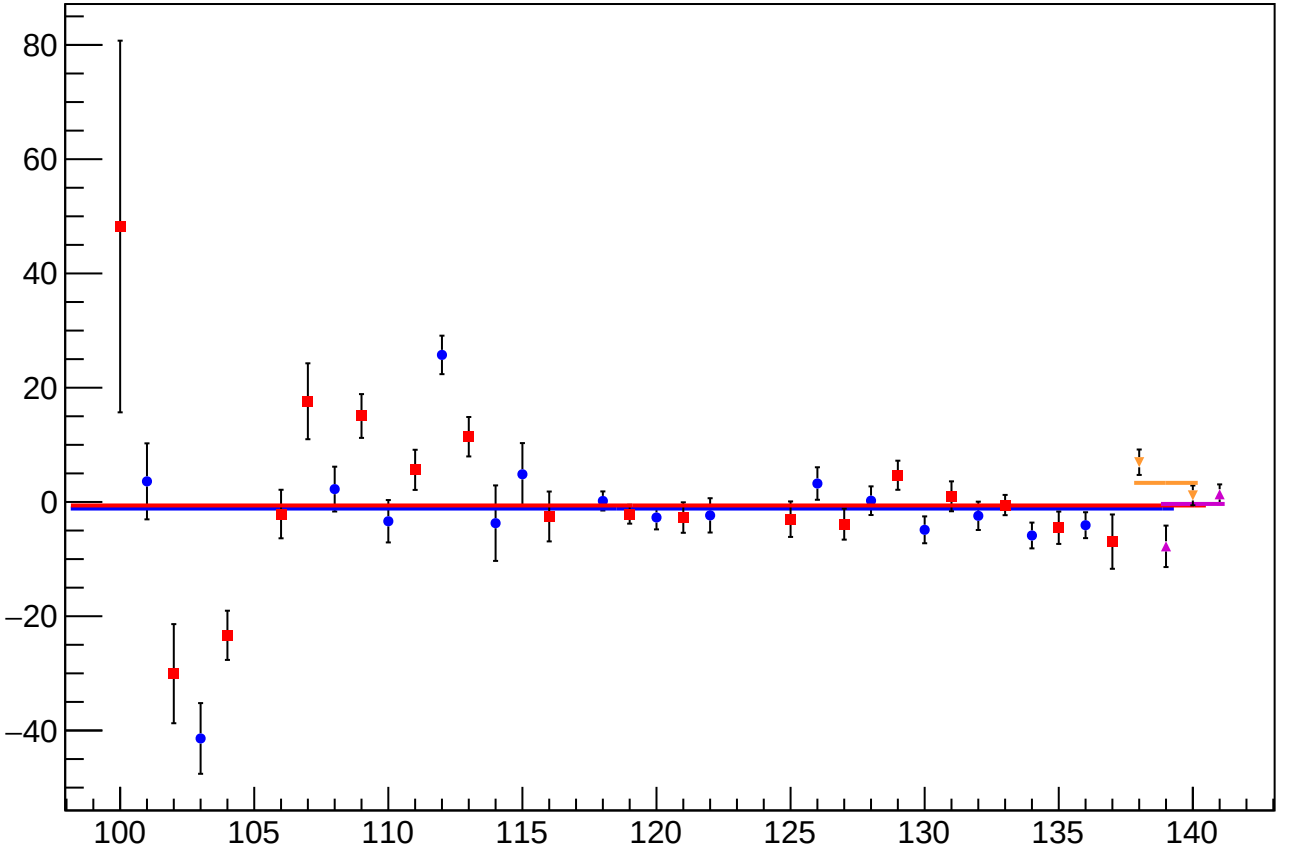
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 18.525+/-0.627 χ^2/NDF:1095.4/17

Out: 14.171+/-0.619 χ^2/NDF:1822.0/19

All: 16.321+/-0.440 χ^2/NDF: 2941.8/37

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 3.344+/-1.369 χ^2/NDF:4.2/1

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.344+/-1.562 χ^2/NDF:5.1/1

Left: 1.743+/-1.030 χ^2/NDF: 12.5/3

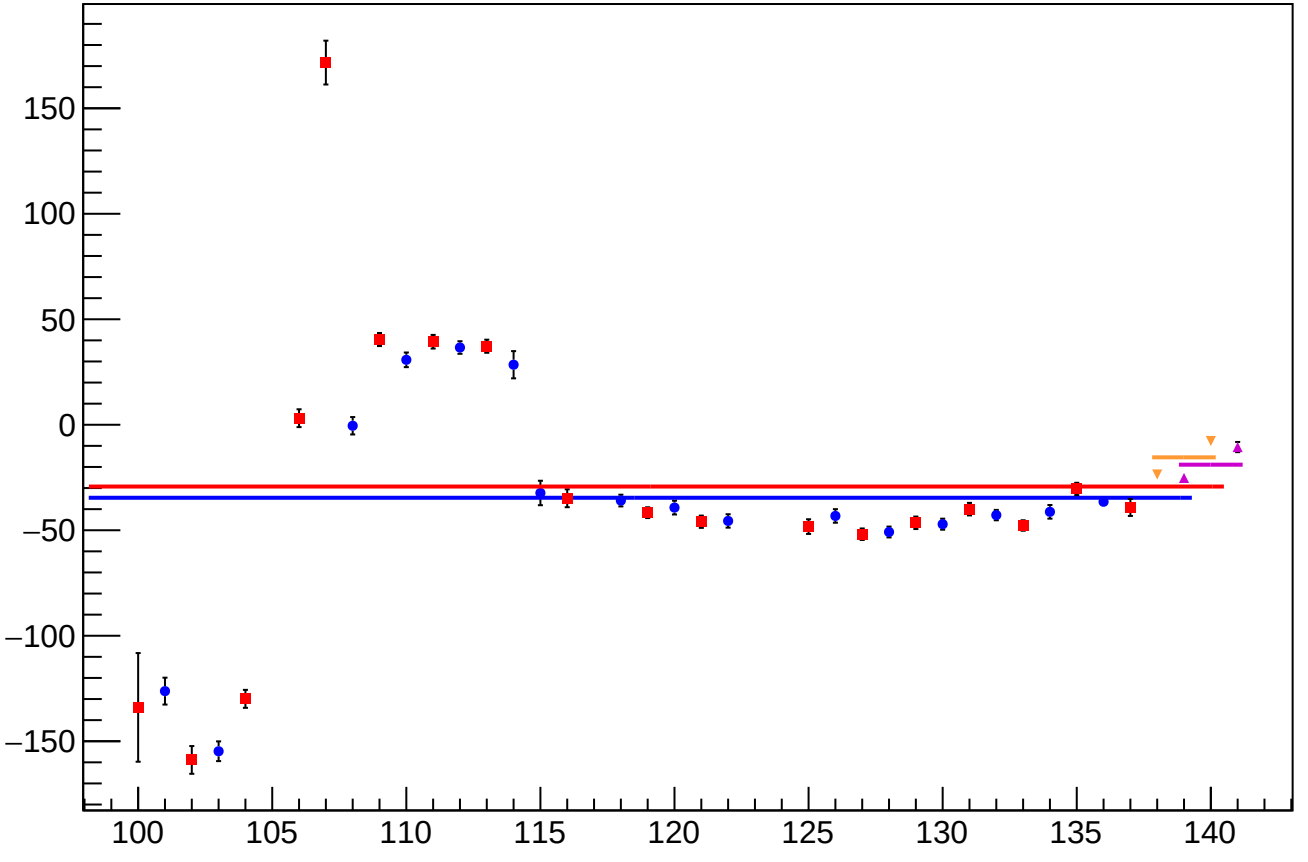
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -1.016+/-0.638 χ^2/NDF:127.2/17

Out: 0.232+/-0.633 χ^2/NDF:104.2/19

All: -0.387+/-0.449 χ^2/NDF: 233.3/37

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -15.439+/-1.524 χ^2/NDF:27.1/1

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -18.922+/-1.580 χ^2/NDF:21.0/1

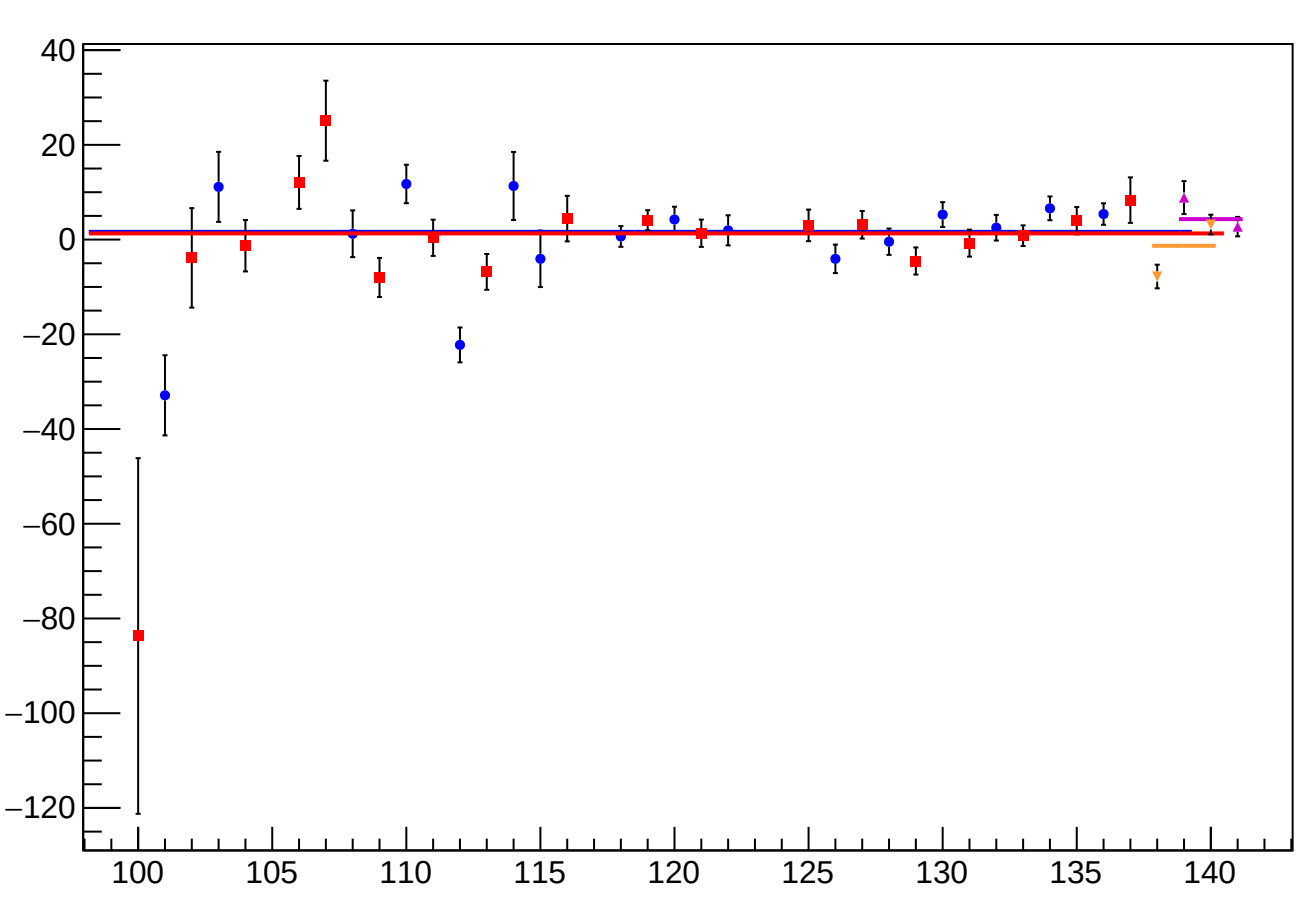
Left: -17.118+/-1.097 χ^2/NDF: 50.6/3

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -31.488+/-0.704 χ^2/NDF:2158.3/17

Out: -26.290+/-0.708 χ^2/NDF:3172.8/19

All: -28.905+/-0.499 χ^2/NDF: 5358.2/37



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: -1.309+/-1.596 χ^2/NDF:11.4/1

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.314+/-1.767 χ^2/NDF:2.3/1

Left: 1.218+/-1.184 χ^2/NDF: 19.3/3

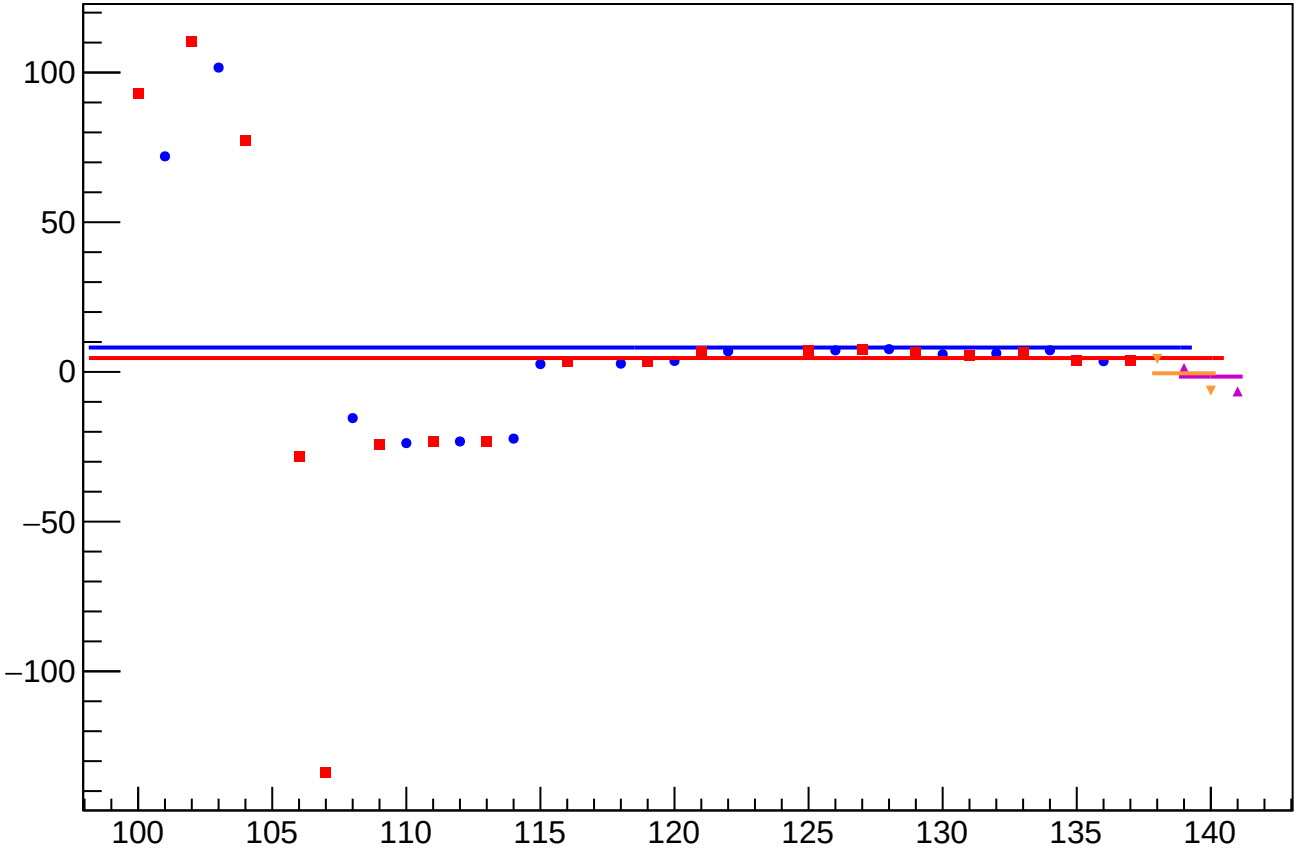
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.084+/-0.726 χ^2/NDF:87.5/17

Out: 0.758+/-0.727 χ^2/NDF:51.1/19

All: 1.421+/-0.514 χ^2/NDF: 140.3/37

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -0.453+/-0.063 χ^2/NDF:6951.1/1

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.559+/-0.059 χ^2/NDF:3994.3/1

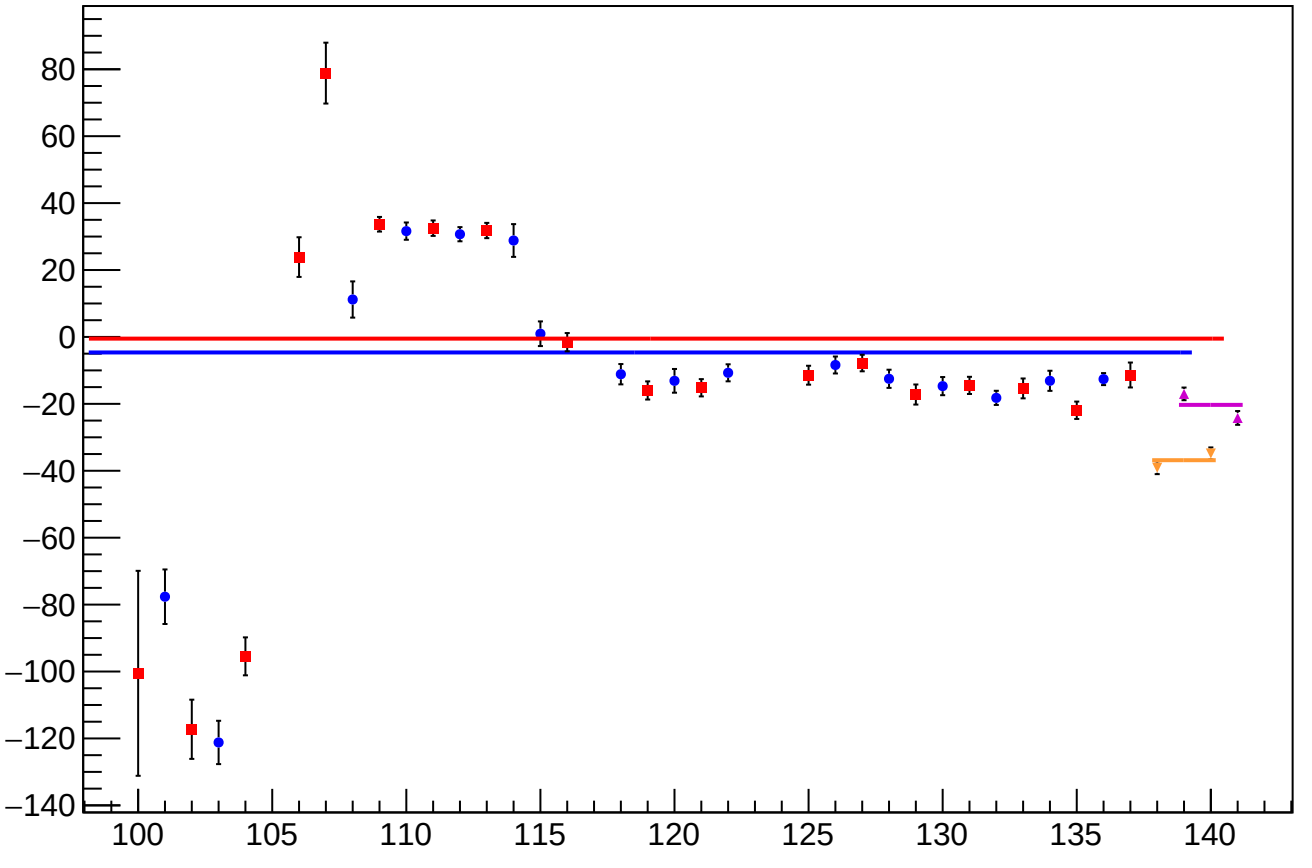
Left: -1.041+/-0.043 χ^2/NDF: 11107.1/3

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 4.284+/-0.038 χ^2/NDF:333364.6/17

Out: 2.605+/-0.040 χ^2/NDF:457632.0/19

All: 3.499+/-0.027 χ^2/NDF: 791931.7/37



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -36.840+/-1.321 χ^2/NDF:2.6/1

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -20.307+/-1.395 χ^2/NDF:6.6/1

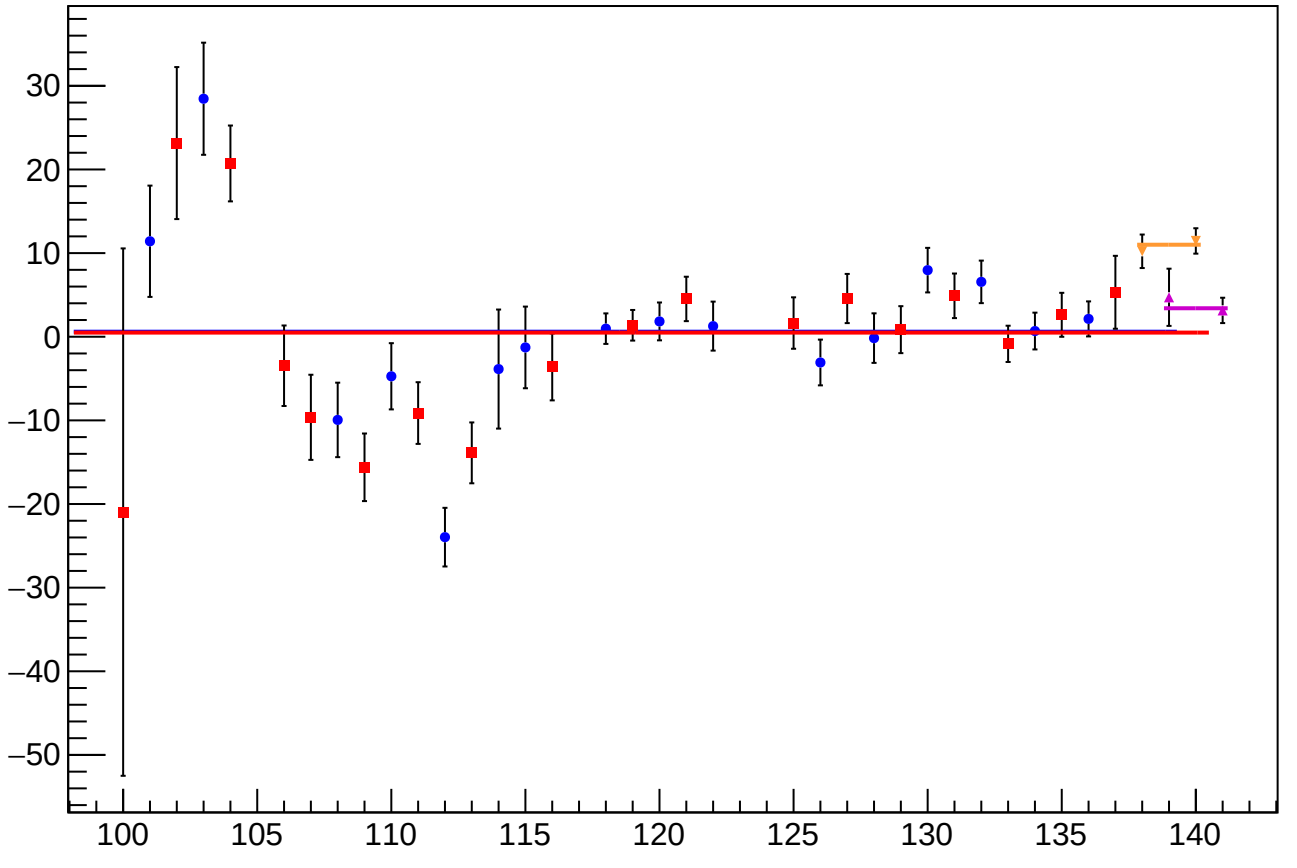
Left: -29.025+/-0.959 χ^2/NDF: 83.3/3

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -7.876+/-0.634 χ^2/NDF:1153.0/17

Out: -8.668+/-0.626 χ^2/NDF:2047.3/19

All: -8.277+/-0.445 χ^2/NDF: 3201.1/37



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 11.003+/-1.210 χ^2/NDF:0.2/1

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 3.406+/-1.385 χ^2/NDF:0.2/1

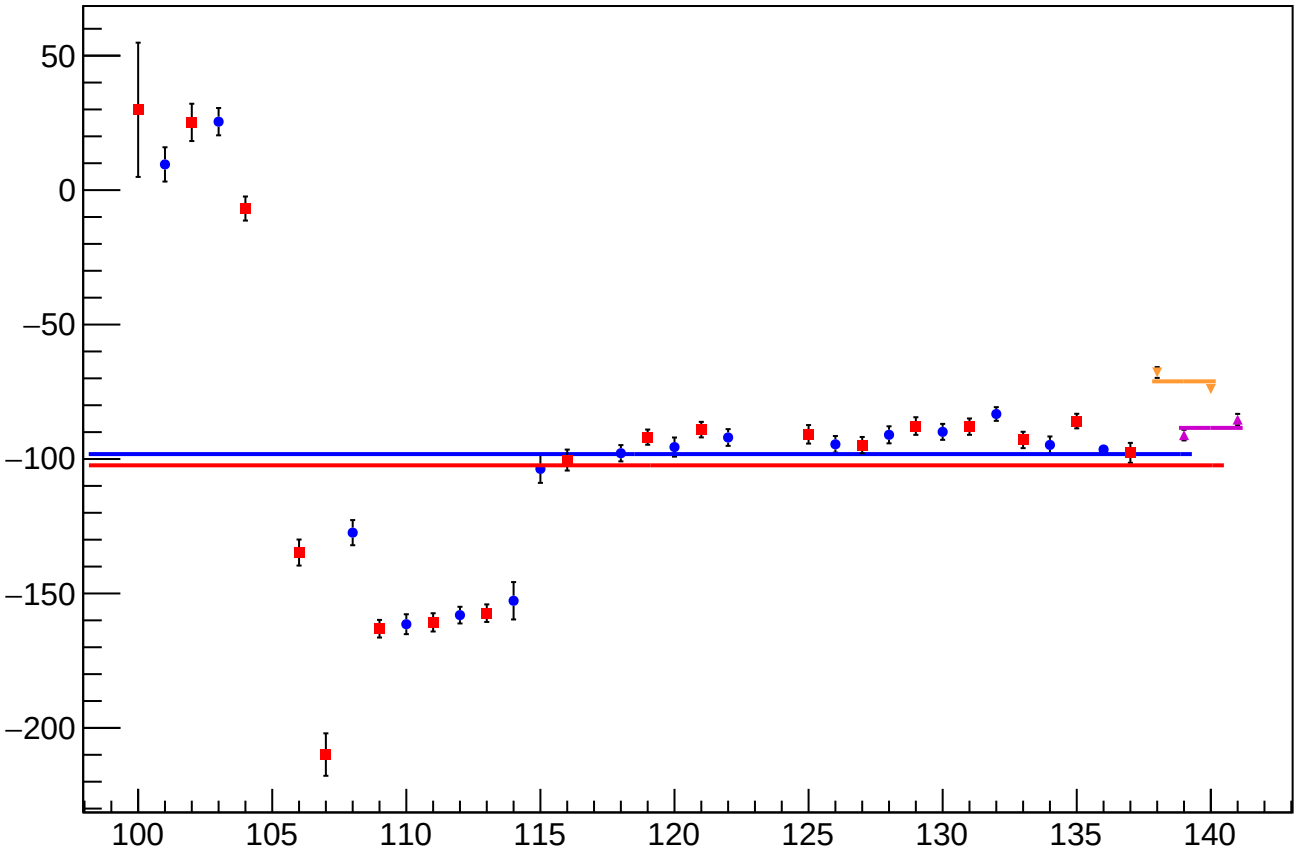
Left: 7.715+/-0.911 χ^2/NDF: 17.5/3

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.207+/-0.644 χ^2/NDF:96.3/17

Out: 3.440+/-0.640 χ^2/NDF:134.7/19

All: 2.329+/-0.454 χ^2/NDF: 237.0/37



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -71.122+/-1.368 χ^2/NDF:5.0/1

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -88.423+/-1.443 χ^2/NDF:4.0/1

Left: -79.309+/-0.993 χ^2/NDF: 84.7/3

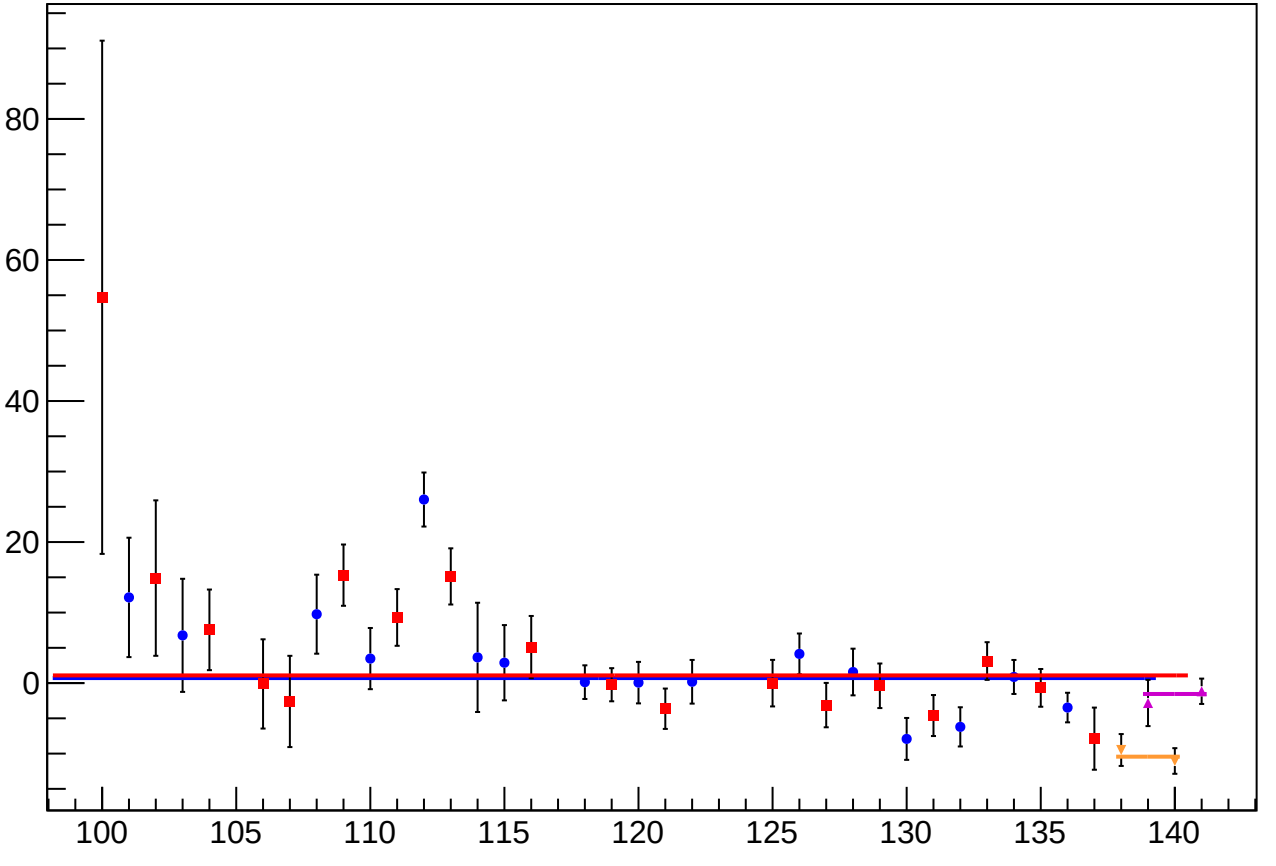
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -95.821+/-0.708 χ^2/NDF:1738.5/17

Out: -93.842+/-0.714 χ^2/NDF:2501.8/19

All: -94.840+/-0.503 χ^2/NDF: 4244.2/37

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -10.435+/-1.417 χ^2/NDF:0.3/1

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -1.545+/-1.576 χ^2/NDF:0.2/1

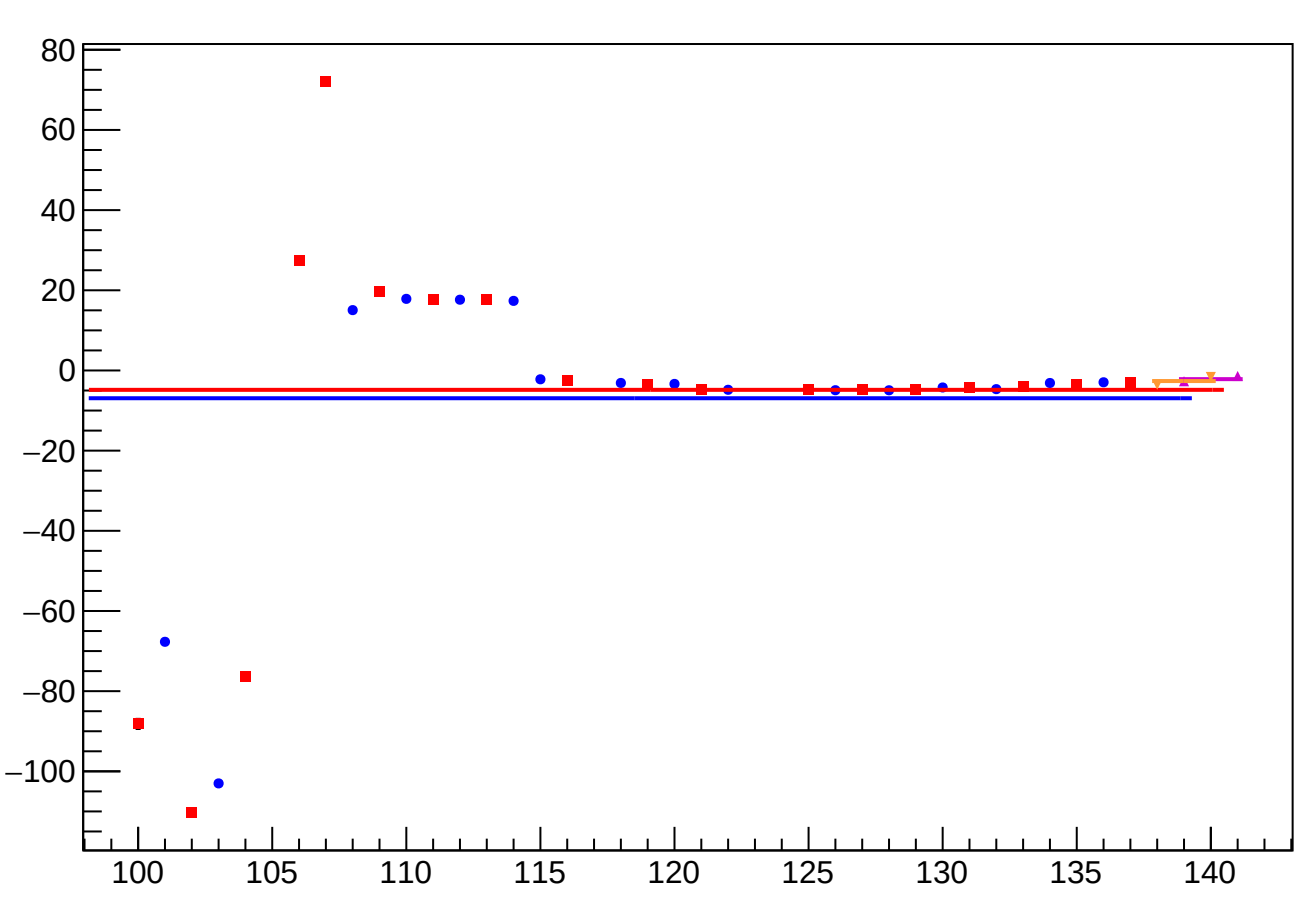
Left: -6.463+/-1.054 χ^2/NDF: 18.1/3

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.229+/-0.728 χ^2/NDF:71.4/17

Out: -1.996+/-0.733 χ^2/NDF:96.4/19

All: -0.877+/-0.517 χ^2/NDF: 172.5/37



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -2.639+/-0.057 χ^2/NDF:289.7/1

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -2.163+/-0.055 χ^2/NDF:139.4/1

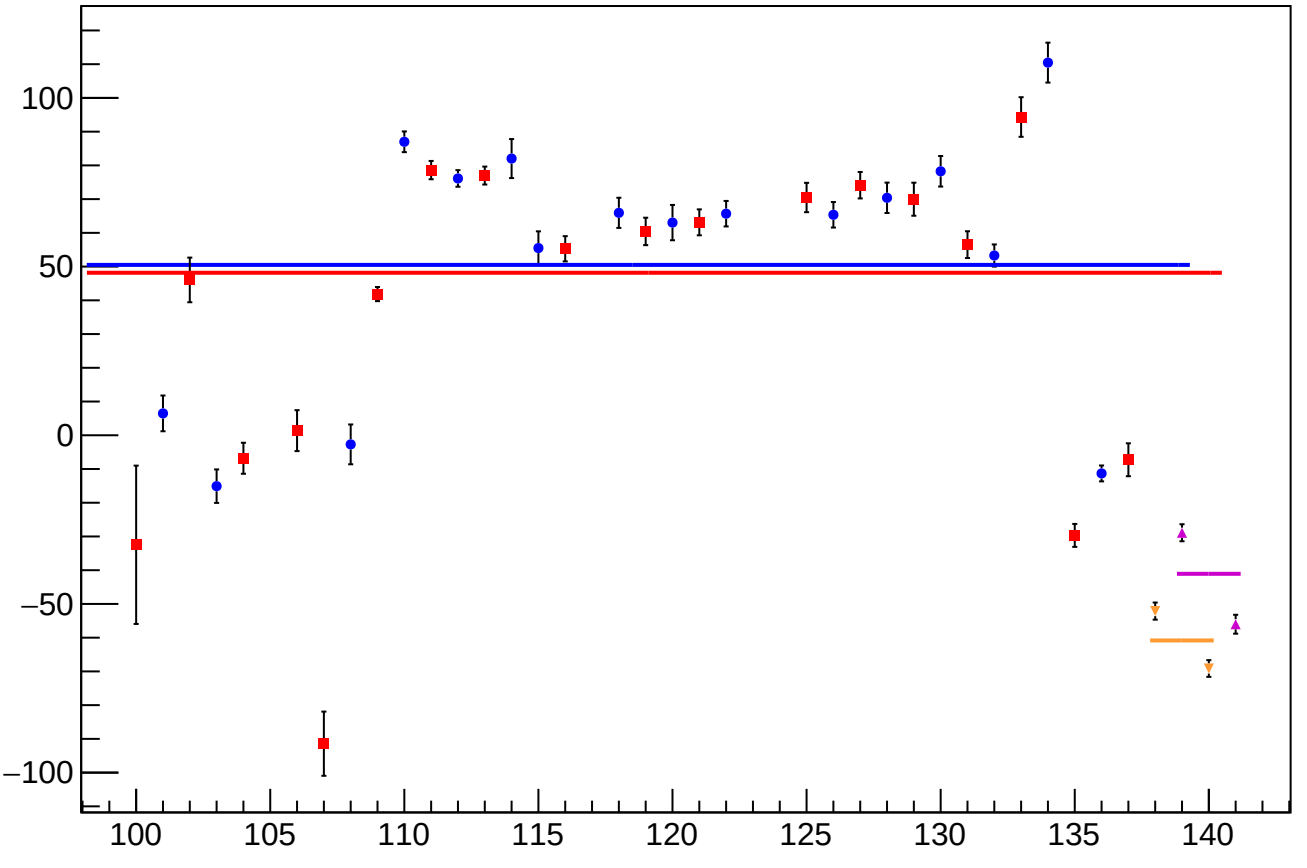
Left: -2.390+/-0.040 χ^2/NDF: 465.4/3

Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -4.824+/-0.036 χ^2/NDF:269581.8/17

Out: -3.824+/-0.039 χ^2/NDF:340446.3/19

All: -4.358+/-0.026 χ^2/NDF: 610382.0/37



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -60.819+/-1.774 χ^2/NDF:23.0/1

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -41.068+/-1.875 χ^2/NDF:51.8/1

Left: -51.489+/-1.288 χ^2/NDF: 133.4/3

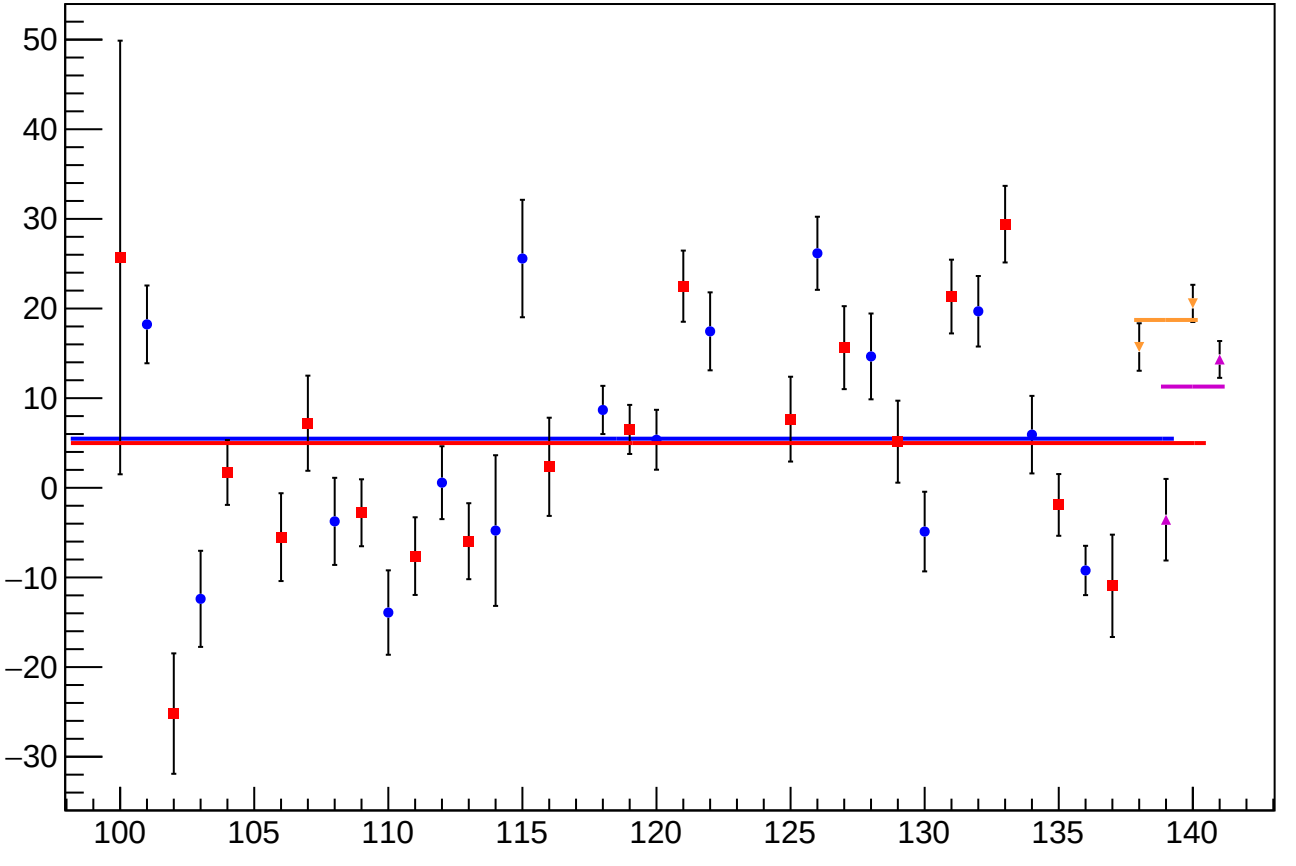
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 31.309+/-0.858 χ^2/NDF:3441.5/17

Out: 25.292+/-0.813 χ^2/NDF:4525.7/19

All: 28.136+/-0.590 χ^2/NDF: 7993.1/37

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 18.725+/-1.632 χ^2/NDF:2.1/1

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 11.293+/-1.873 χ^2/NDF:12.8/1

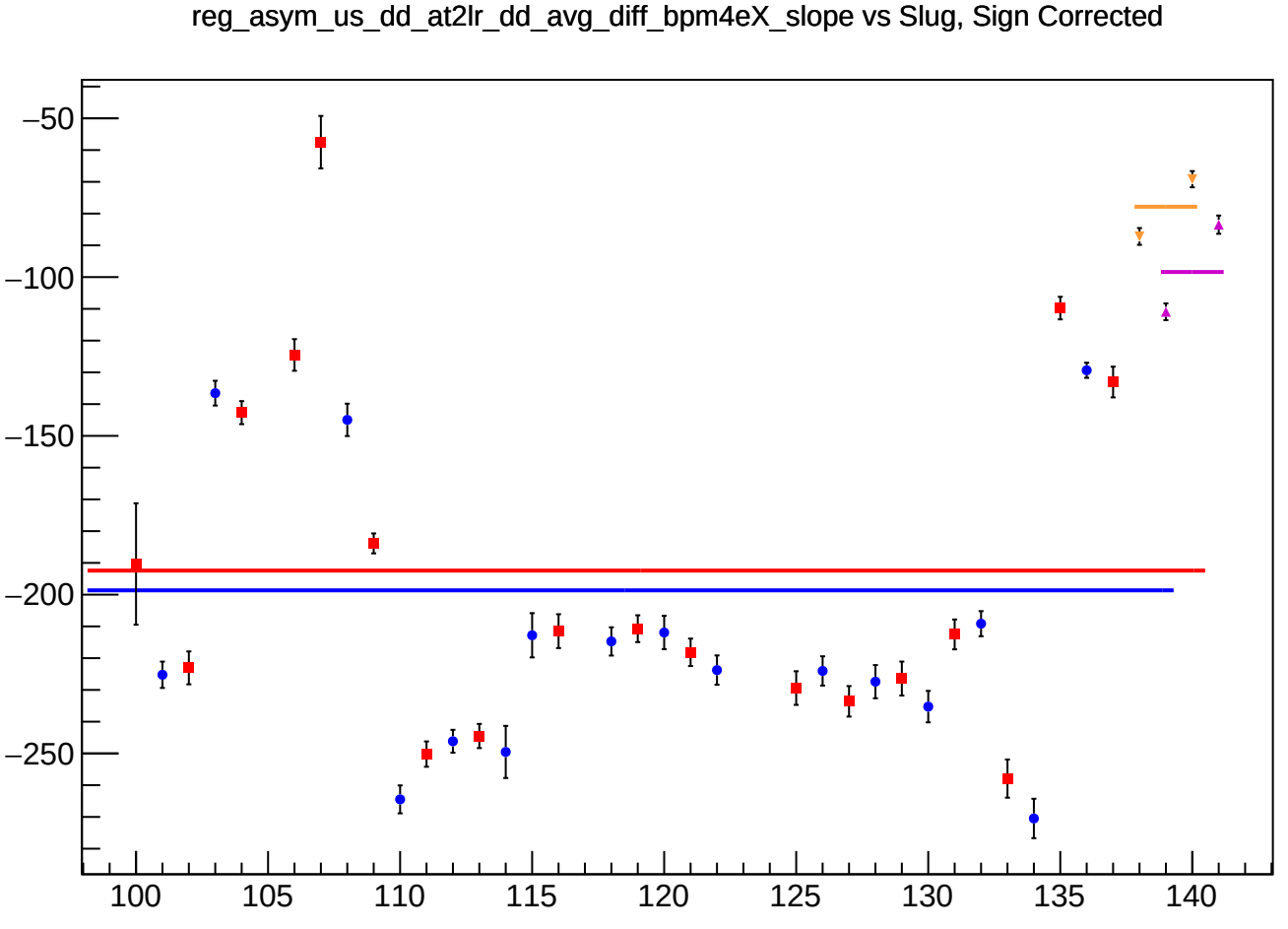
Left: 15.517+/-1.230 χ^2/NDF: 23.9/3

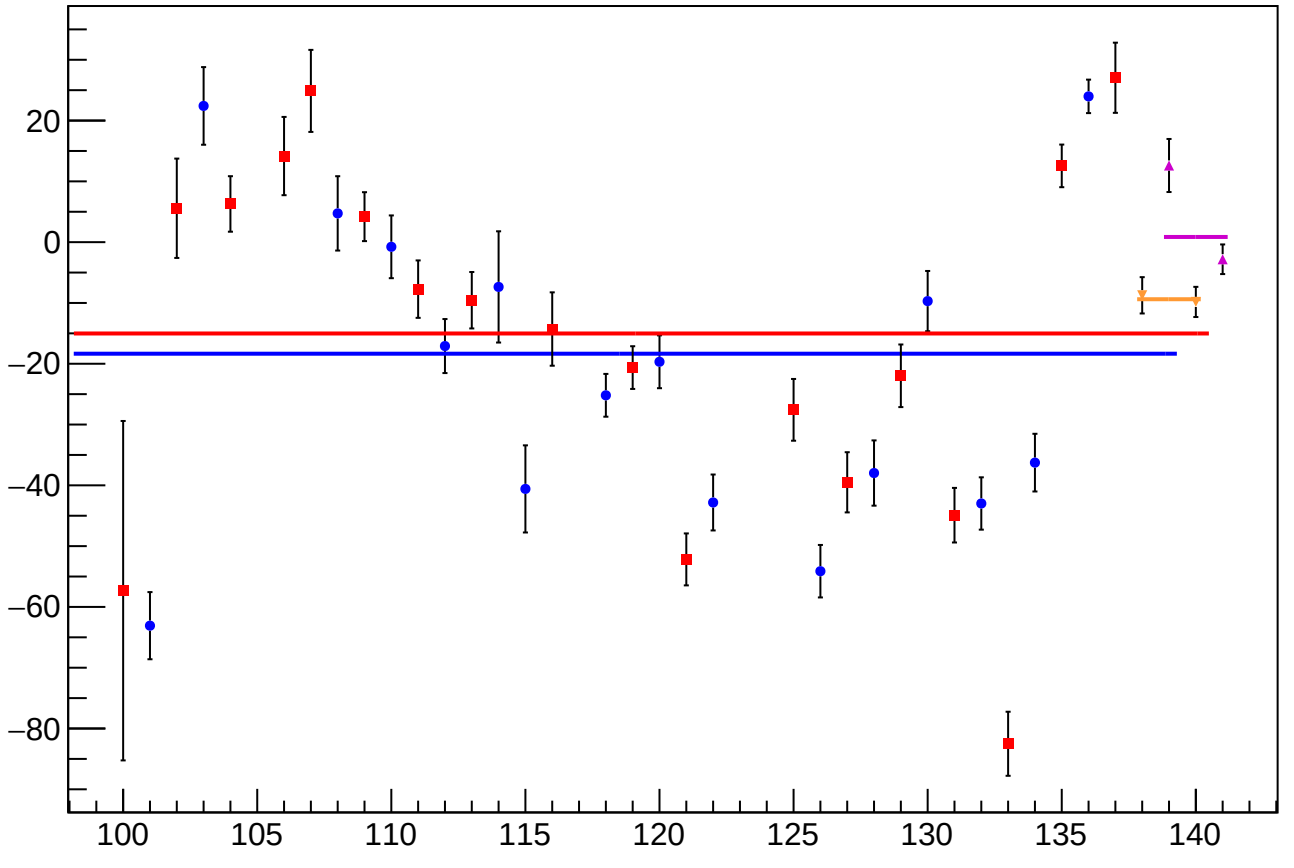
Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 6.813+/-0.897 χ^2/NDF:158.4/17

Out: 8.864+/-0.866 χ^2/NDF:184.8/19

All: 7.873+/-0.623 χ^2/NDF: 345.9/37


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
105
110
115
120
125
130
135
140
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -77.851+/-1.838 χ²/NDF:24.0/1
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -98.394+/-1.940 χ²/NDF:49.6/1
Left: -87.565+/-1.334 χ²/NDF: 132.7/3
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -174.810+/-0.946 χ²/NDF:4087.2/17
Out: -163.019+/-0.931 χ²/NDF:5053.1/19
All: -168.821+/-0.663 χ²/NDF: 9219.3/37



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -9.387+/-1.909 χ^2/NDF:0.1/1

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 0.856+/-2.128 χ^2/NDF:9.5/1

Left: -4.821+/-1.421 χ^2/NDF: 22.4/3

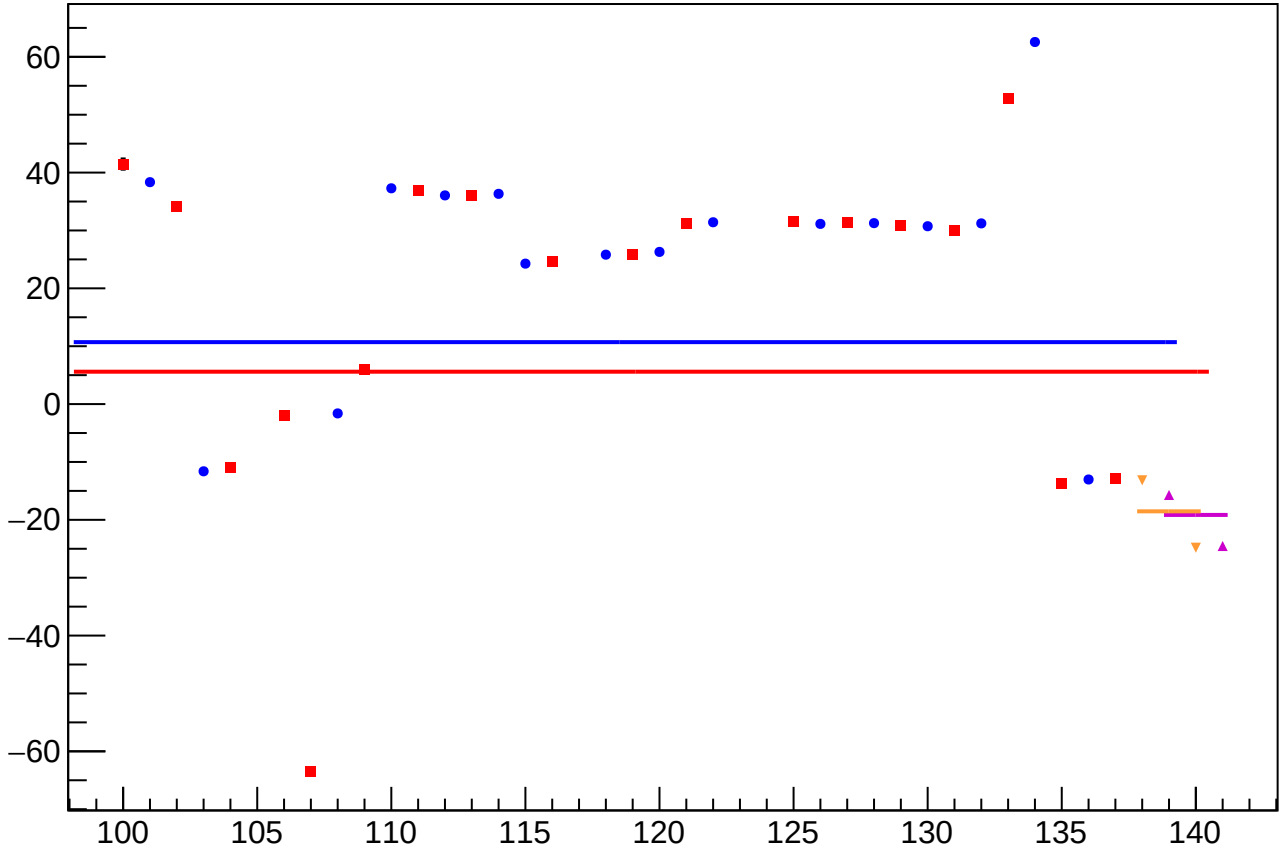
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -13.953+/-1.018 χ^2/NDF:616.2/17

Out: -13.498+/-0.992 χ^2/NDF:552.9/19

All: -13.720+/-0.711 χ^2/NDF: 1169.2/37

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -18.532+/-0.077 χ^2/NDF:5728.1/1

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.153+/-0.073 χ^2/NDF:3456.8/1

Left: -18.857+/-0.053 χ^2/NDF: 9219.2/3

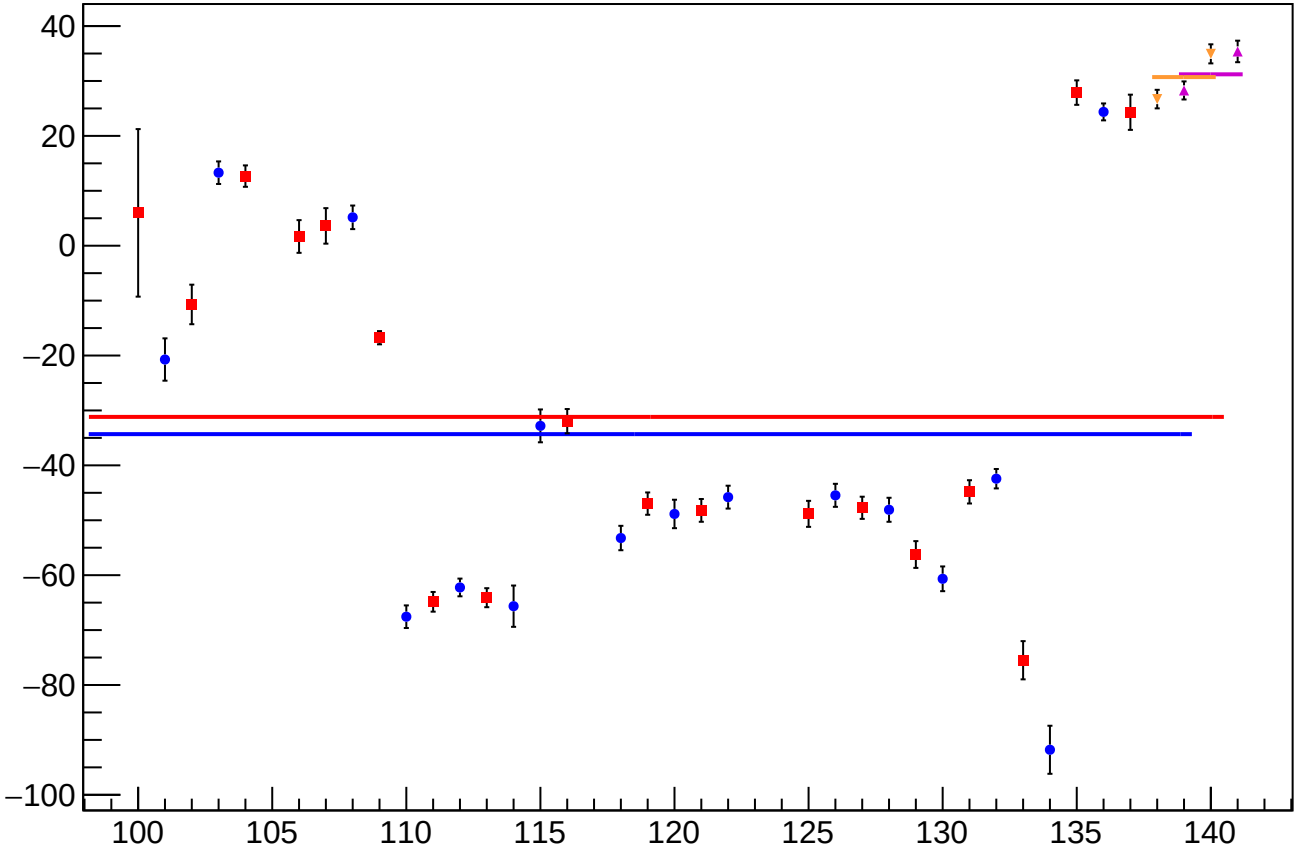
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -1.977+/-0.048 χ^2/NDF:264006.5/17

Out: -4.235+/-0.049 χ^2/NDF:219297.4/19

All: -3.076+/-0.034 χ^2/NDF: 484394.1/37

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 30.709+/-1.211 χ^2/NDF:11.6/1

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 31.213+/-1.261 χ^2/NDF:7.7/1

Left: 30.951+/-0.873 χ^2/NDF: 19.3/3

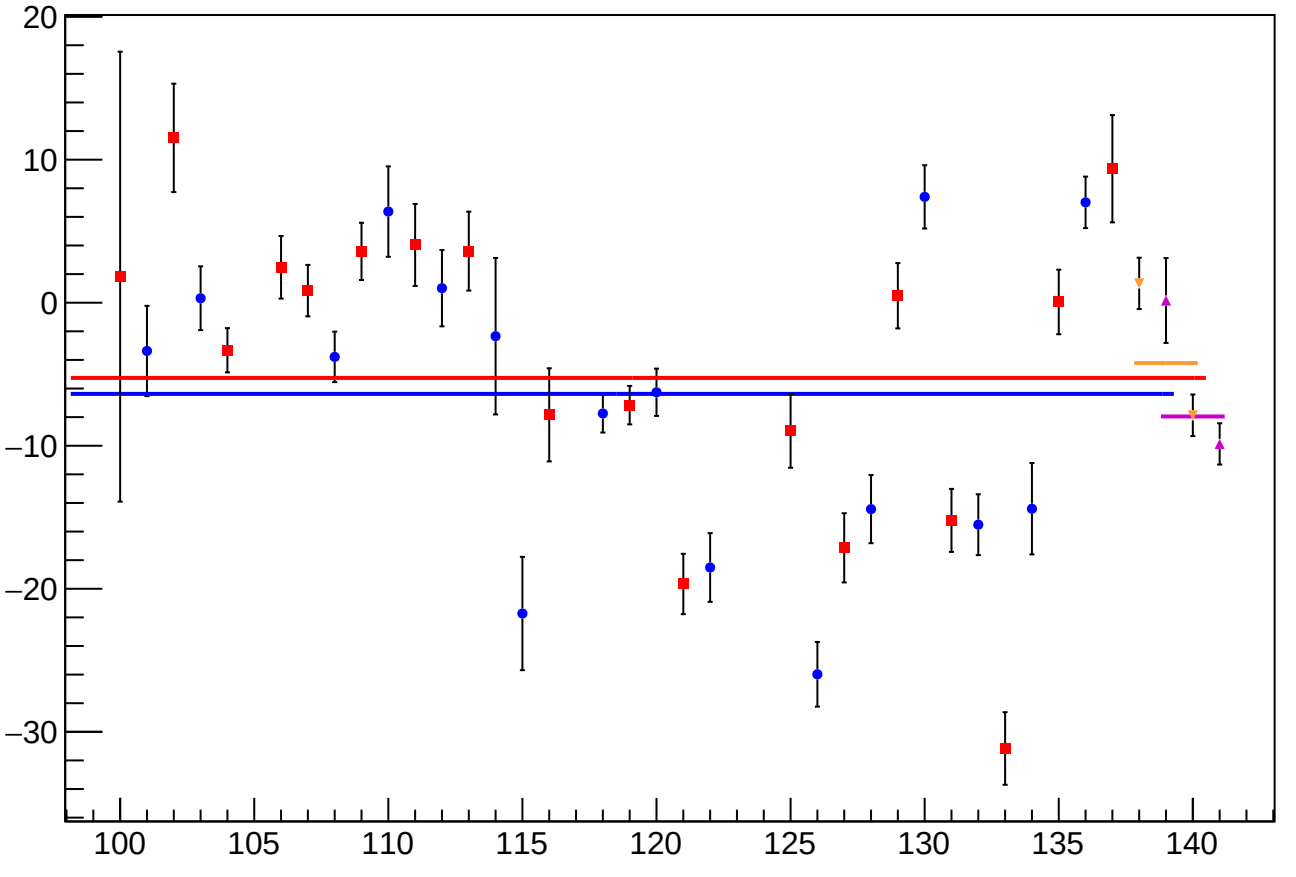
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -23.909+/-0.502 χ^2/NDF:5780.4/17

Out: -21.679+/-0.475 χ^2/NDF:5421.3/19

All: -22.730+/-0.345 χ^2/NDF: 11212.2/37

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -4.217+/-1.130 χ^2/NDF:15.9/1

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -7.953+/-1.298 χ^2/NDF:9.2/1

Left: -5.828+/-0.852 χ^2/NDF: 29.9/3

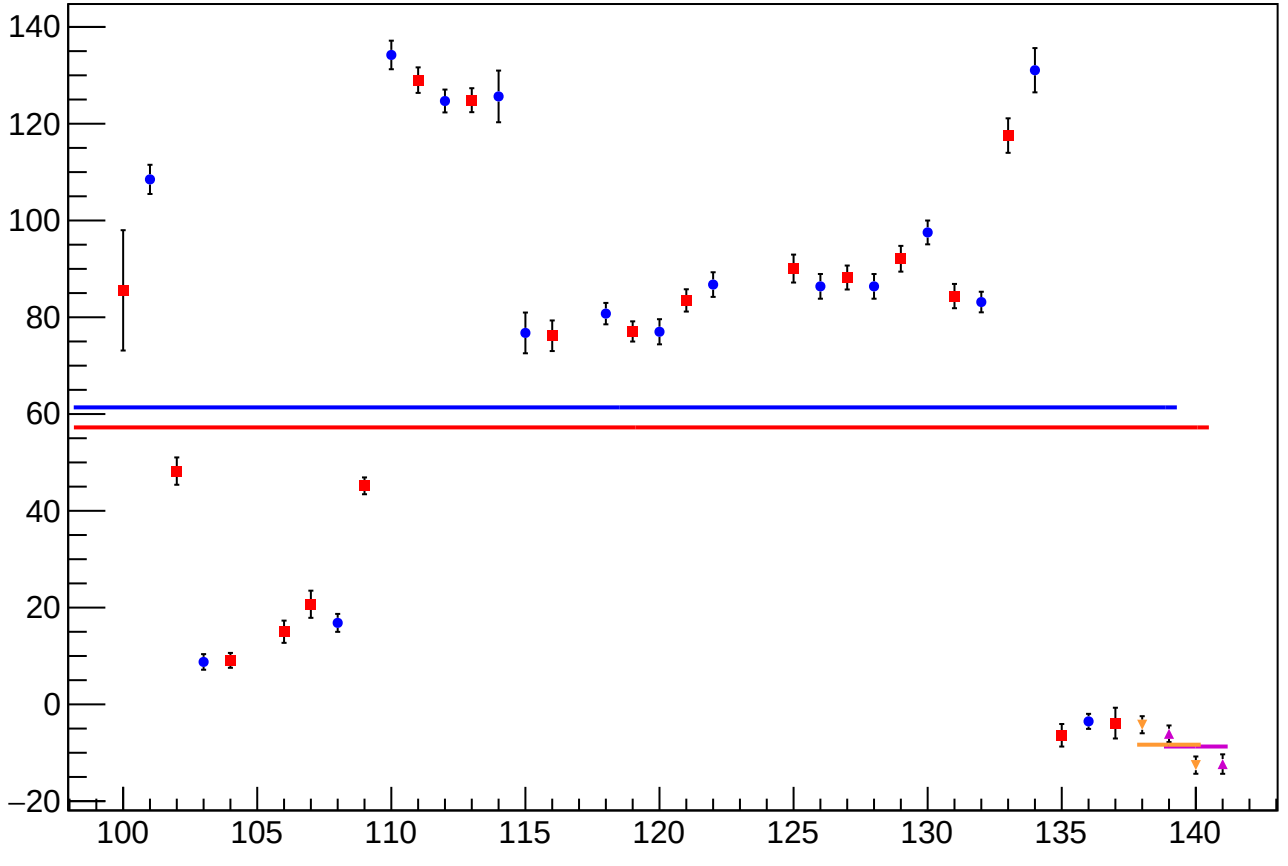
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -6.618+/-0.509 χ^2/NDF:294.1/17

Out: -5.068+/-0.482 χ^2/NDF:329.6/19

All: -5.800+/-0.350 χ^2/NDF: 628.5/37

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -8.332+/-1.256 χ^2/NDF:11.1/1

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.711+/-1.305 χ^2/NDF:5.6/1

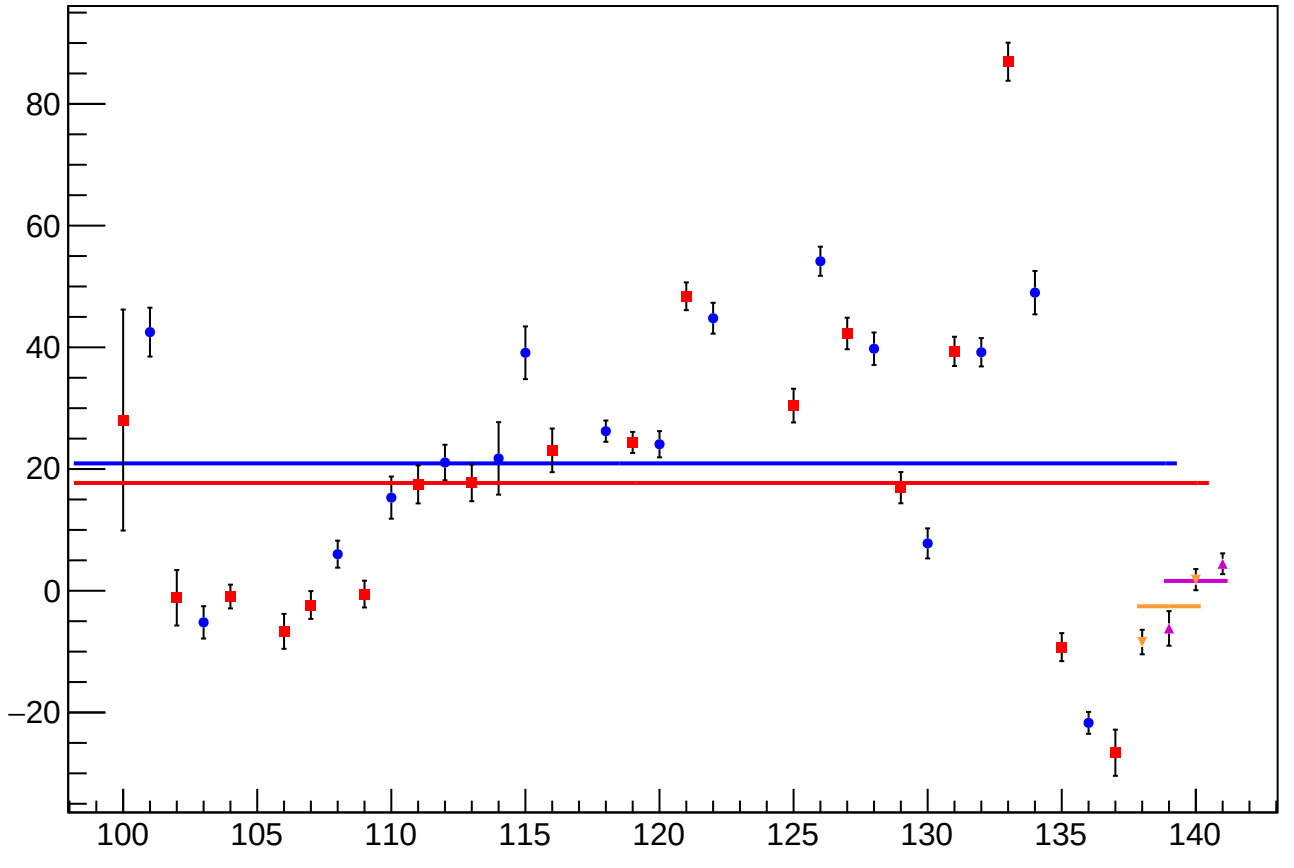
Left: -8.514+/-0.905 χ^2/NDF: 16.7/3

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 49.345+/-0.541 χ^2/NDF:8459.9/17

Out: 45.702+/-0.527 χ^2/NDF:7526.1/19

All: 47.475+/-0.377 χ^2/NDF: 16009.3/37



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -2.551+/-1.317 χ^2/NDF:14.8/1

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: 1.616+/-1.466 χ^2/NDF:10.2/1

Left: -0.690+/-0.980 χ^2/NDF: 29.6/3

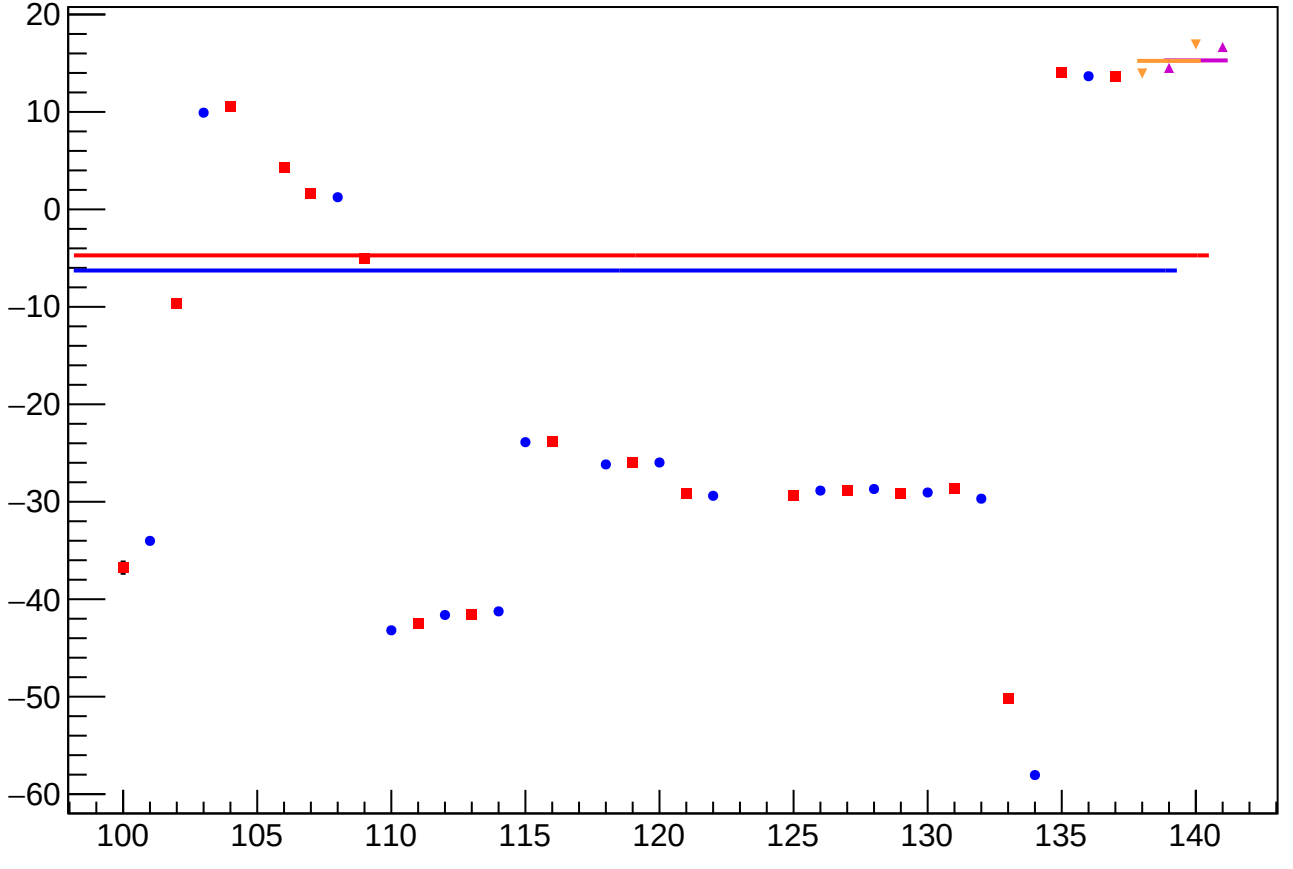
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 17.837+/-0.587 χ^2/NDF:1401.5/17

Out: 14.053+/-0.560 χ^2/NDF:1690.7/19

All: 15.856+/-0.405 χ^2/NDF: 3114.0/37

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.239+/-0.052 χ^2/NDF:803.5/1

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.284+/-0.049 χ^2/NDF:439.1/1

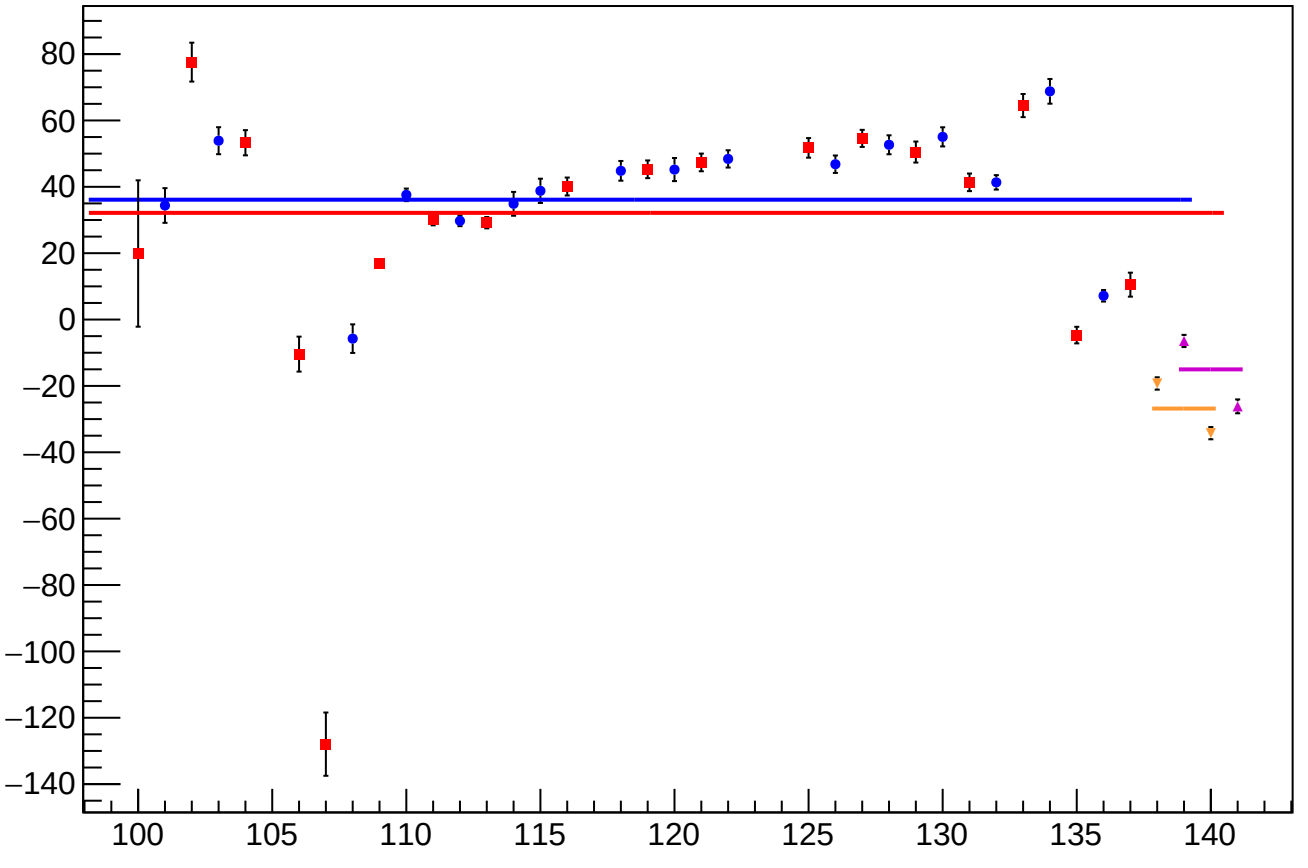
Left: 15.263+/-0.036 χ^2/NDF: 1243.0/3

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 0.565+/-0.028 χ^2/NDF:542870.5/17

Out: 1.161+/-0.028 χ^2/NDF:410896.1/19

All: 0.856+/-0.020 χ^2/NDF: 953993.8/37



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -26.820+/-1.315 χ^2/NDF:32.5/1

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -15.016+/-1.380 χ^2/NDF:50.1/1

Left: -21.203+/-0.952 χ^2/NDF: 121.0/3

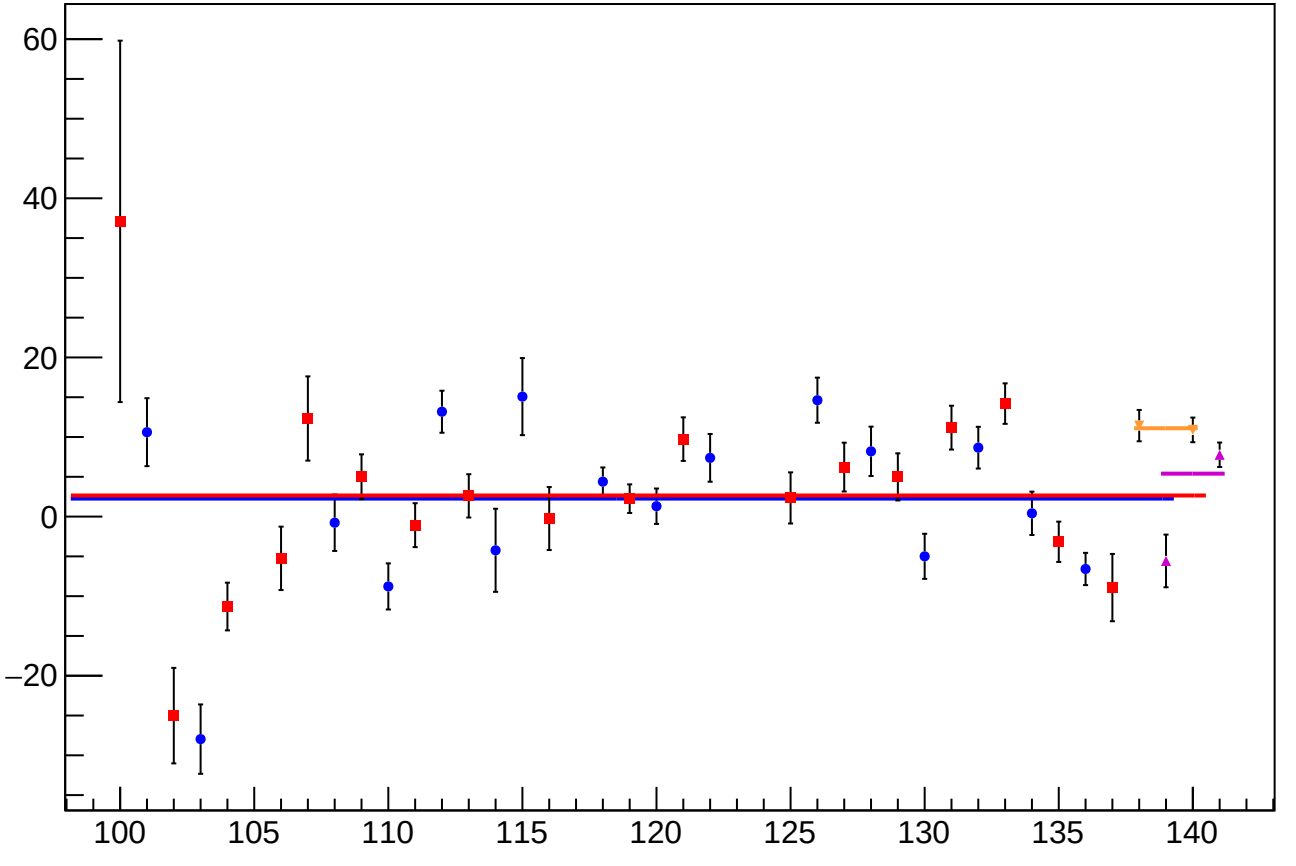
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 26.679+/-0.593 χ^2/NDF:1793.1/17

Out: 21.118+/-0.569 χ^2/NDF:2783.0/19

All: 23.783+/-0.410 χ^2/NDF: 4621.9/37

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 11.101+/-1.217 χ^2/NDF:0.0/1

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 5.396+/-1.395 χ^2/NDF:13.4/1

Left: 8.636+/-0.917 χ^2/NDF: 22.9/3

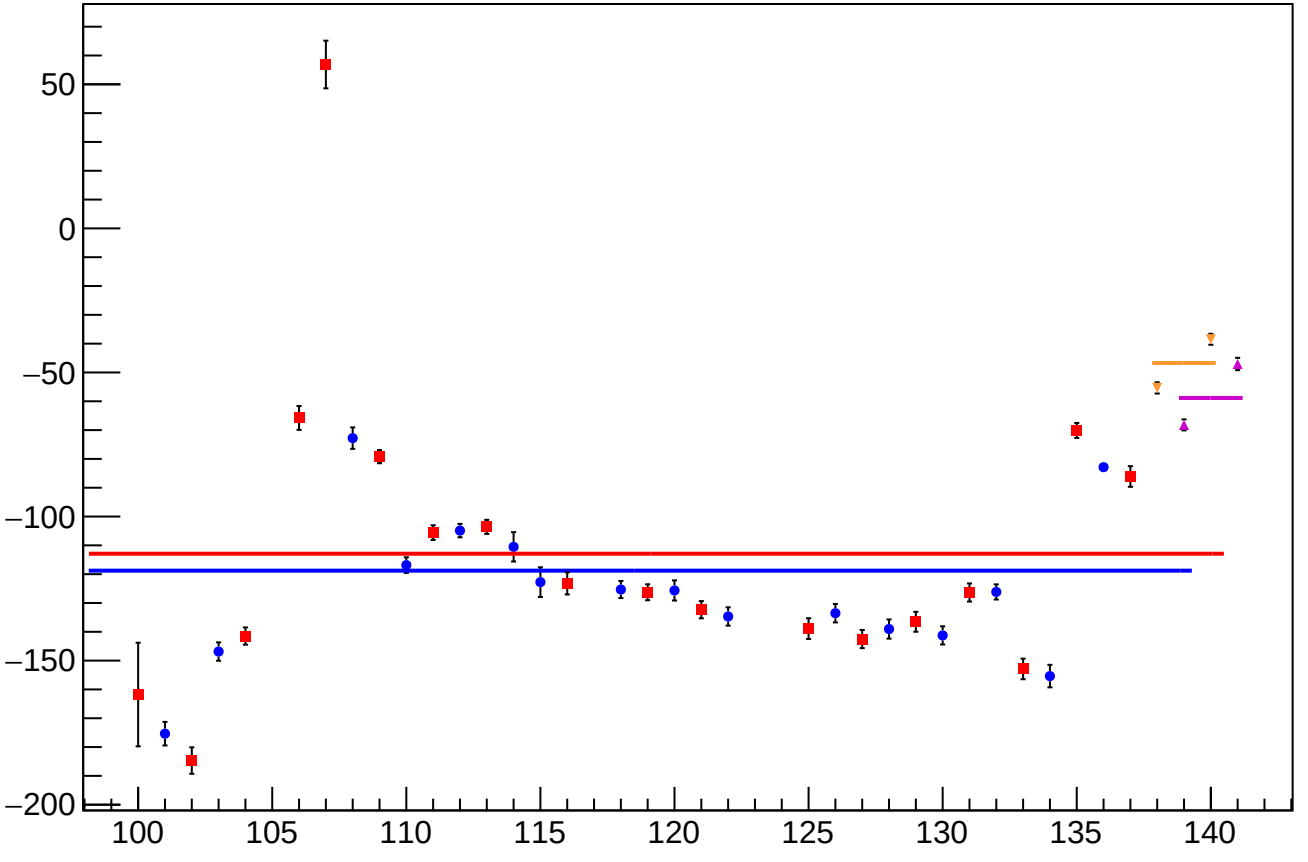
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 2.897+/-0.627 χ^2/NDF:169.4/17

Out: 4.820+/-0.617 χ^2/NDF:143.1/19

All: 3.874+/-0.440 χ^2/NDF: 317.3/37

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -46.711+/-1.362 χ^2/NDF:38.4/1

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.846+/-1.428 χ^2/NDF:54.1/1

Left: -52.491+/-0.986 χ^2/NDF: 130.2/3

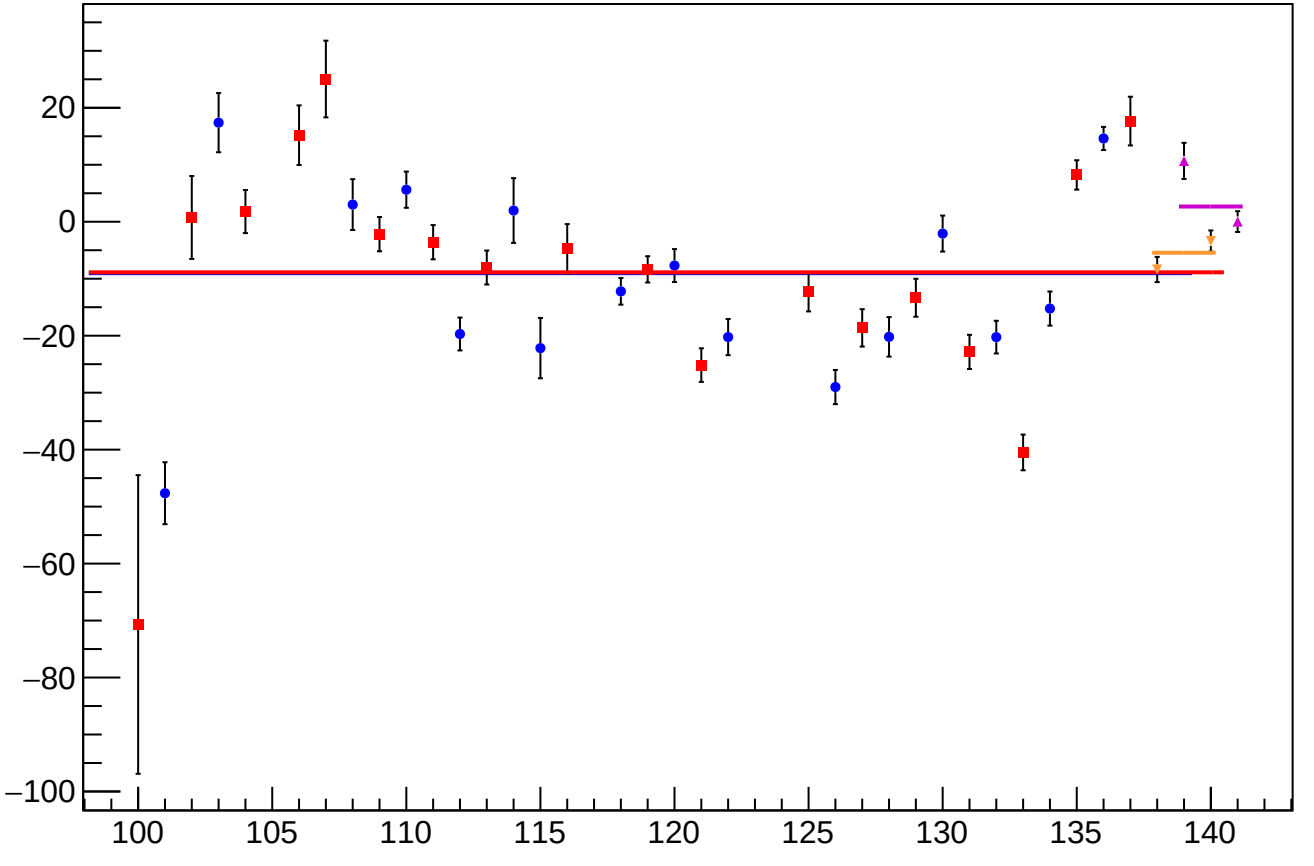
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -105.636+/-0.669 χ^2/NDF:2548.7/17

Out: -97.154+/-0.664 χ^2/NDF:3700.9/19

All: -101.367+/-0.471 χ^2/NDF: 6330.6/37

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: -5.439+/-1.421 χ^2/NDF:3.0/1

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 2.673+/-1.582 χ^2/NDF:8.5/1

Left: -1.815+/-1.057 χ^2/NDF: 26.0/3

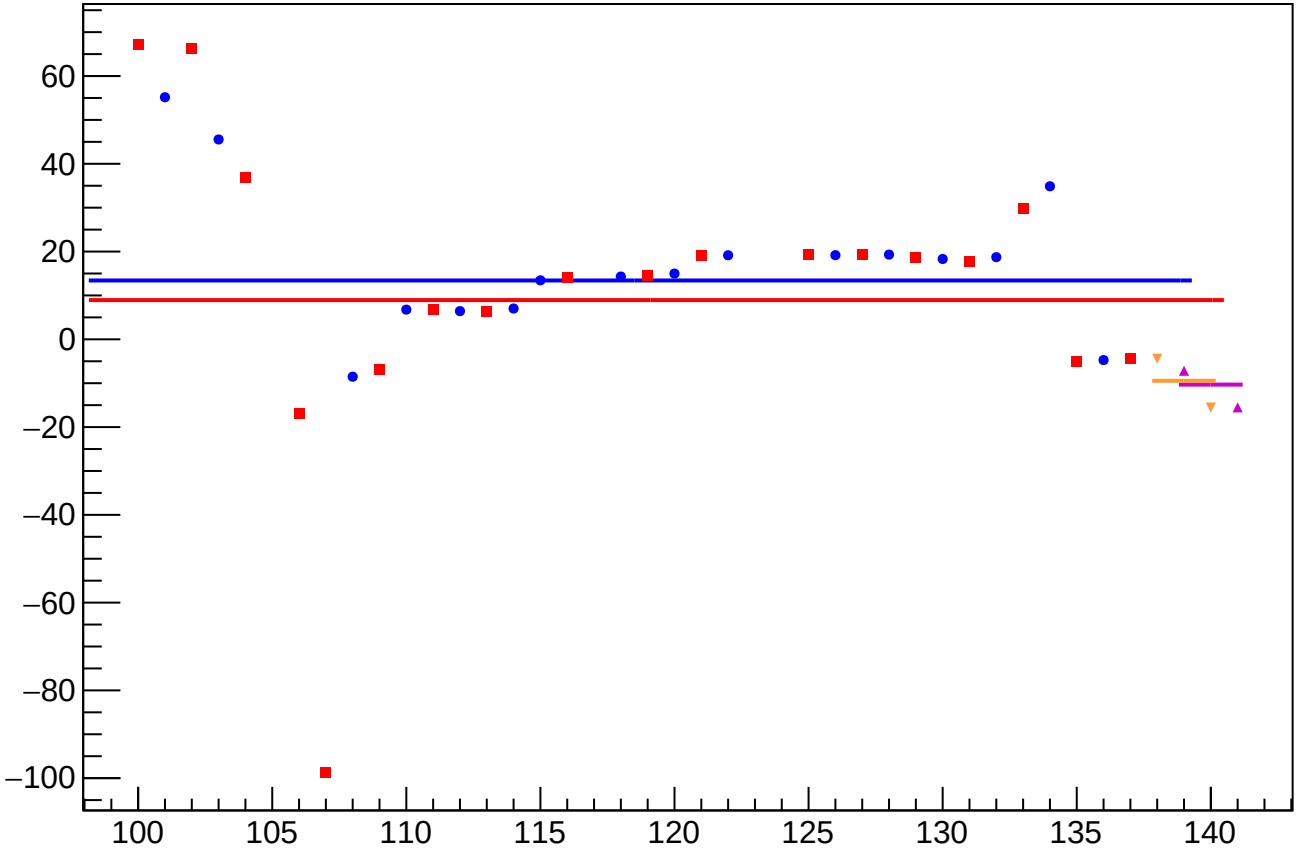
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -6.660+/-0.711 χ^2/NDF:410.1/17

Out: -8.034+/-0.704 χ^2/NDF:326.2/19

All: -7.353+/-0.500 χ^2/NDF: 738.1/37

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -9.450+/-0.057 χ^2/NDF:9545.5/1

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.319+/-0.054 χ^2/NDF:5660.3/1

Left: -9.907+/-0.039 χ^2/NDF: 15329.0/3

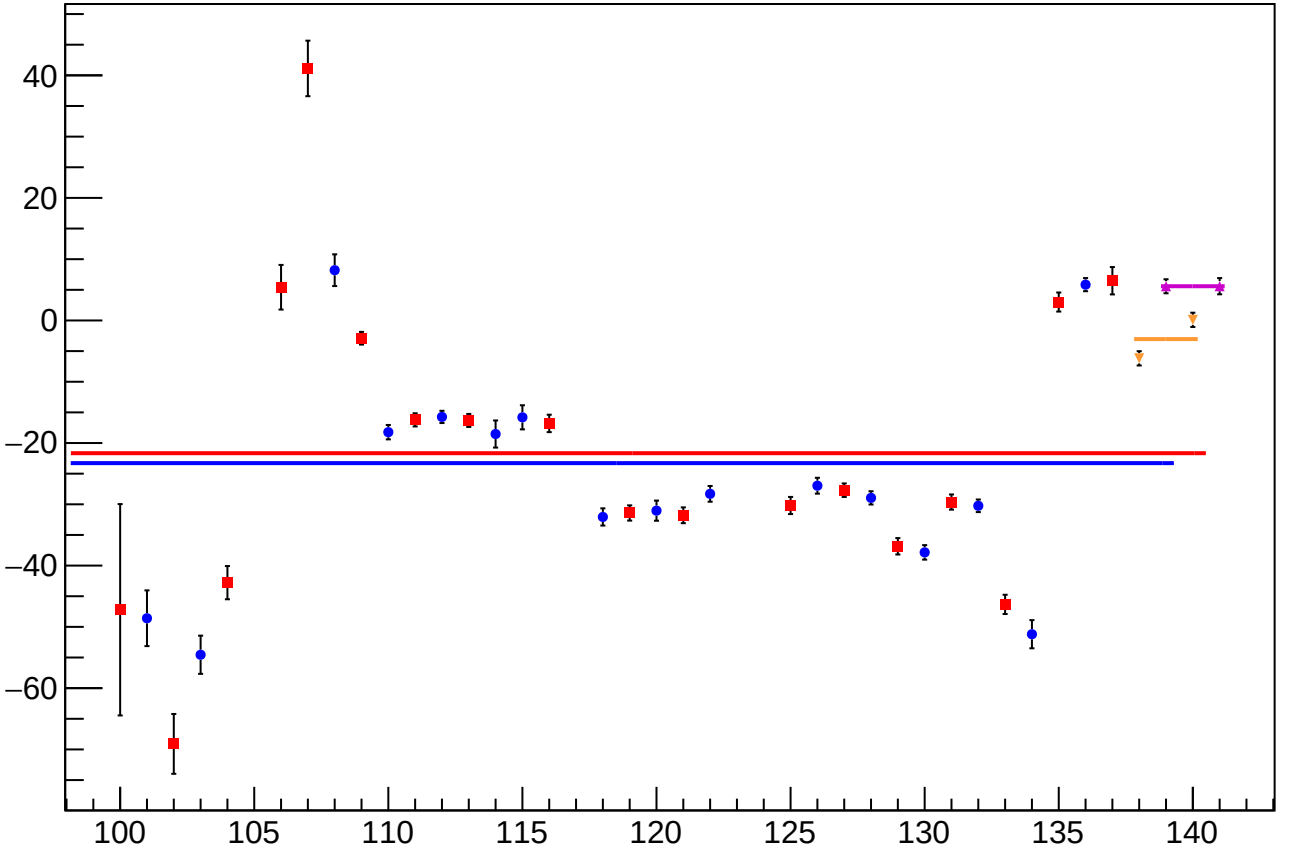
Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: 3.573+/-0.035 χ^2/NDF:303235.3/17

Out: 1.382+/-0.036 χ^2/NDF:362576.3/19

All: 2.531+/-0.025 χ^2/NDF: 667714.9/37

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -3.038+/-0.825 χ^2/NDF:14.5/1

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 5.586+/-0.865 χ^2/NDF:0.0/1

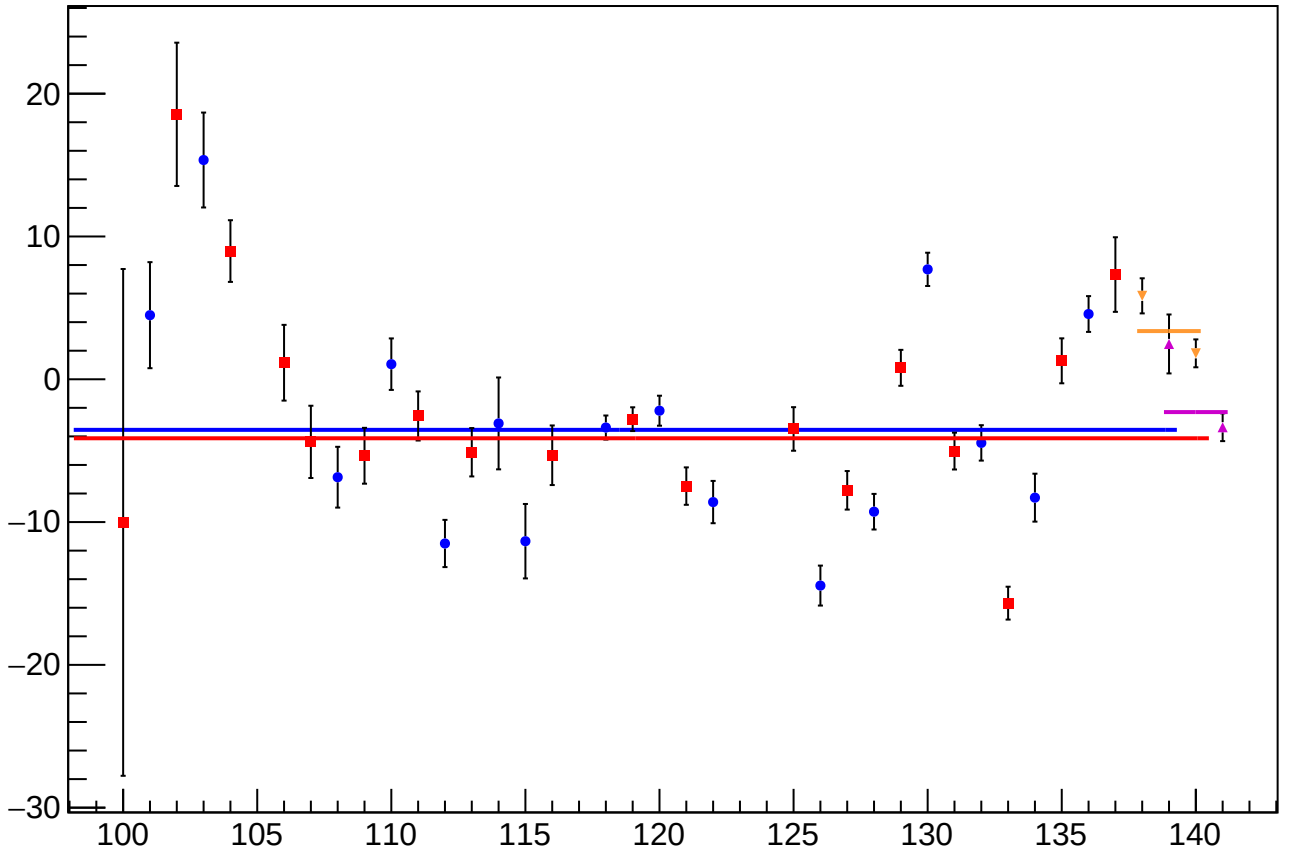
Left: 1.068+/-0.597 χ^2/NDF: 66.5/3

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -19.215+/-0.325 χ^2/NDF:2523.9/17

Out: -18.856+/-0.320 χ^2/NDF:2260.9/19

All: -19.033+/-0.228 χ^2/NDF: 4785.4/37



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 3.375+/-0.764 χ^2/NDF:6.6/1

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -2.298+/-0.880 χ^2/NDF:6.5/1

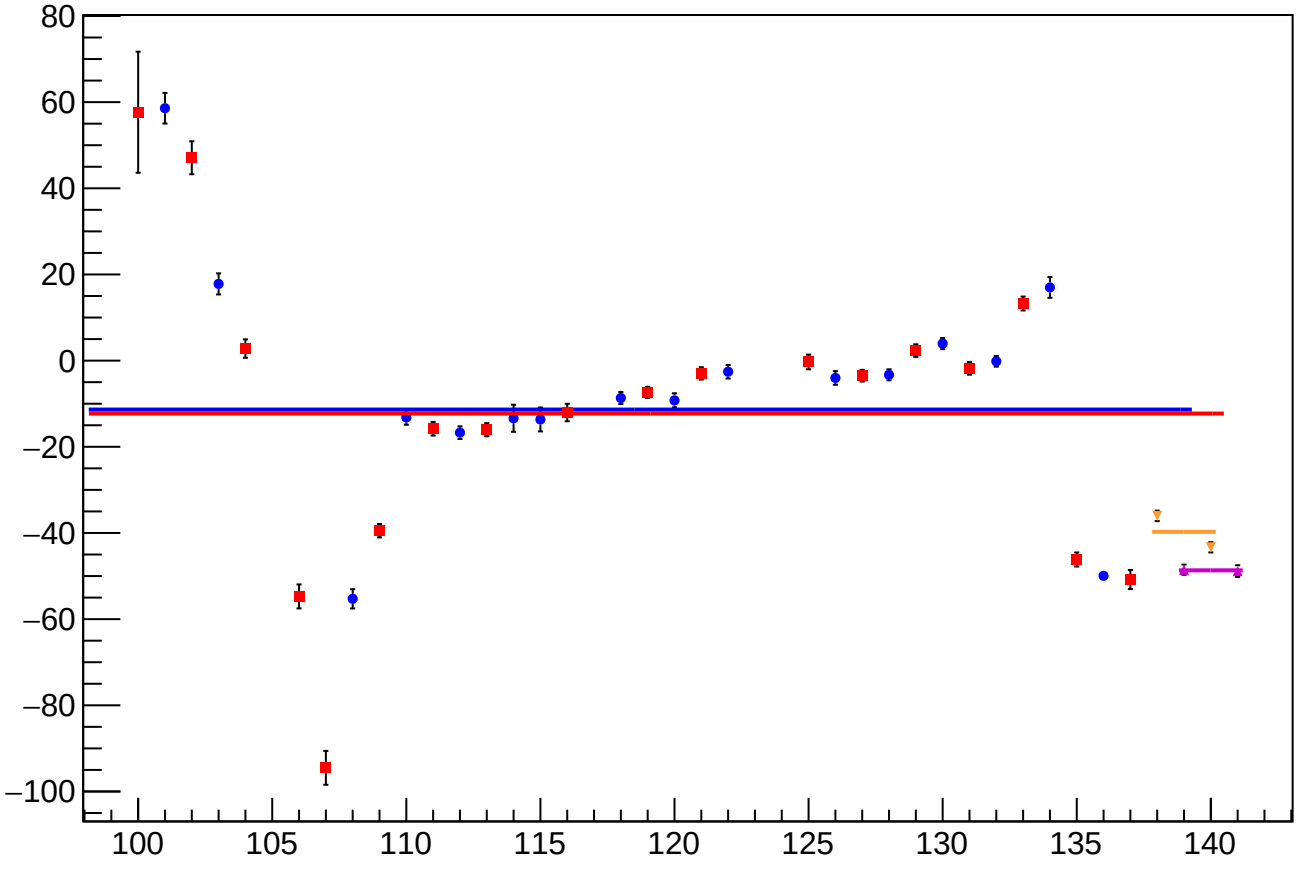
Left: 0.935+/-0.577 χ^2/NDF: 36.8/3

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -3.361+/-0.335 χ^2/NDF:325.0/17

Out: -2.703+/-0.334 χ^2/NDF:312.1/19

All: -3.030+/-0.236 χ^2/NDF: 639.0/37



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -39.731+/-0.855 χ^2/NDF:18.2/1

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -48.669+/-0.896 χ^2/NDF:0.0/1

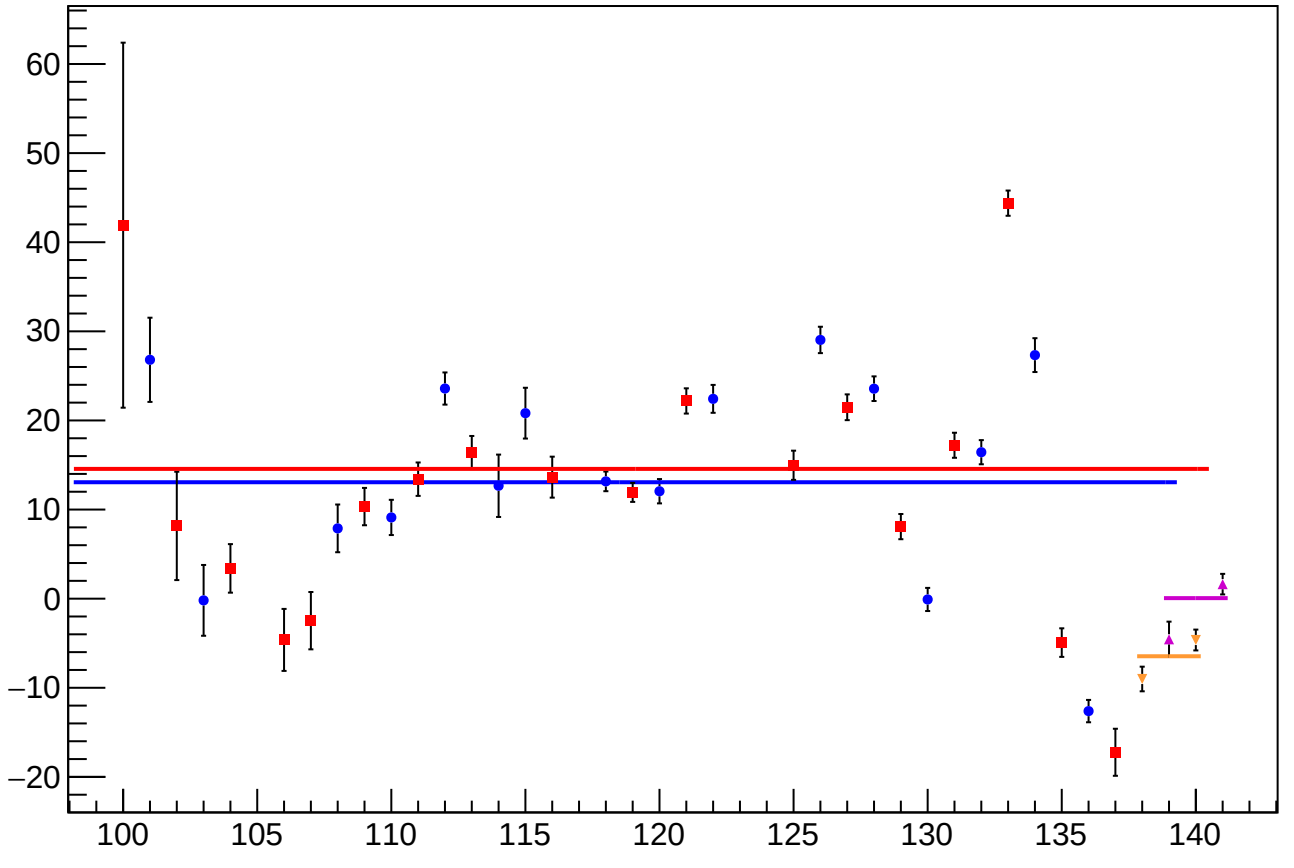
Left: -43.991+/-0.618 χ^2/NDF: 70.3/3

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -17.705+/-0.370 χ^2/NDF:4101.5/17

Out: -17.478+/-0.372 χ^2/NDF:3444.4/19

All: -17.592+/-0.262 χ^2/NDF: 7546.0/37



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -6.462+/-0.892 χ^2/NDF:5.8/1

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: 0.061+/-0.997 χ^2/NDF:7.3/1

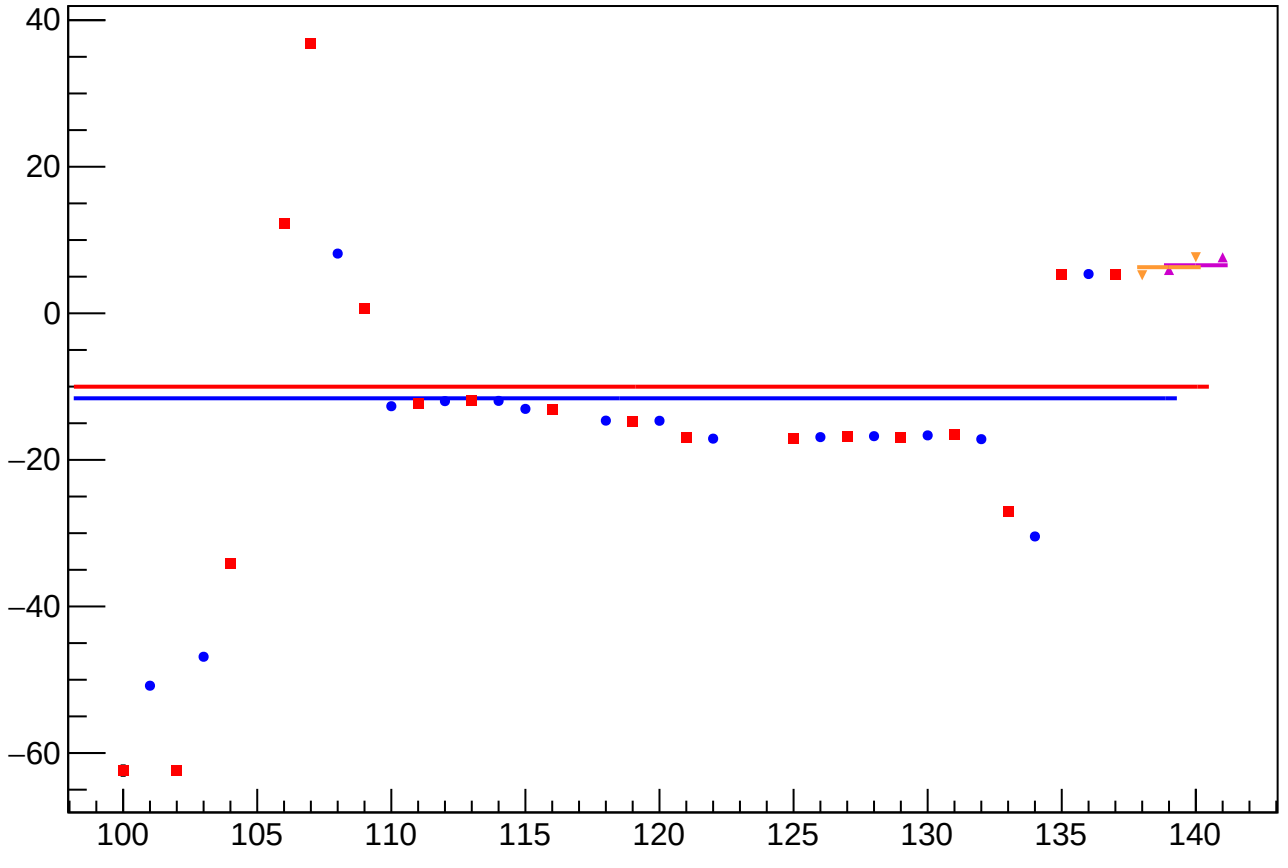
Left: -3.560+/-0.665 χ^2/NDF: 36.9/3

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 11.147+/-0.383 χ^2/NDF:1015.8/17

Out: 10.714+/-0.382 χ^2/NDF:1362.4/19

All: 10.930+/-0.270 χ^2/NDF: 2378.8/37



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 6.294+/-0.036 χ^2/NDF:1184.1/1

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 6.558+/-0.034 χ^2/NDF:612.8/1

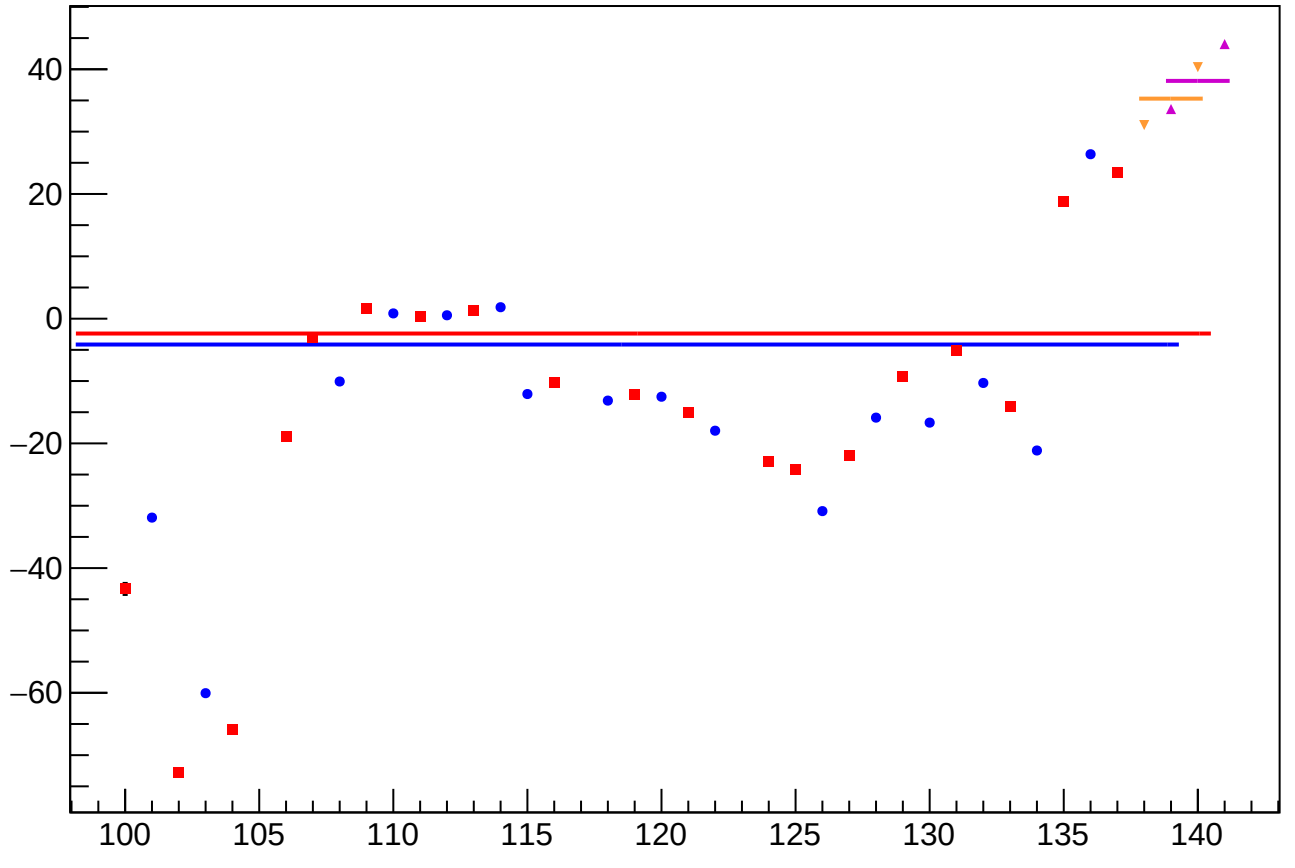
Left: 6.433+/-0.024 χ^2/NDF: 1825.7/3

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: -4.730+/-0.021 χ^2/NDF:541192.0/17

Out: -3.932+/-0.022 χ^2/NDF:529083.7/19

All: -4.350+/-0.015 χ^2/NDF: 1070981.0/37



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 35.290+/-0.149 χ^2/NDF:964.5/1

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 38.135+/-0.148 χ^2/NDF:1214.8/1

Left: 36.720+/-0.105 χ^2/NDF: 2362.8/3

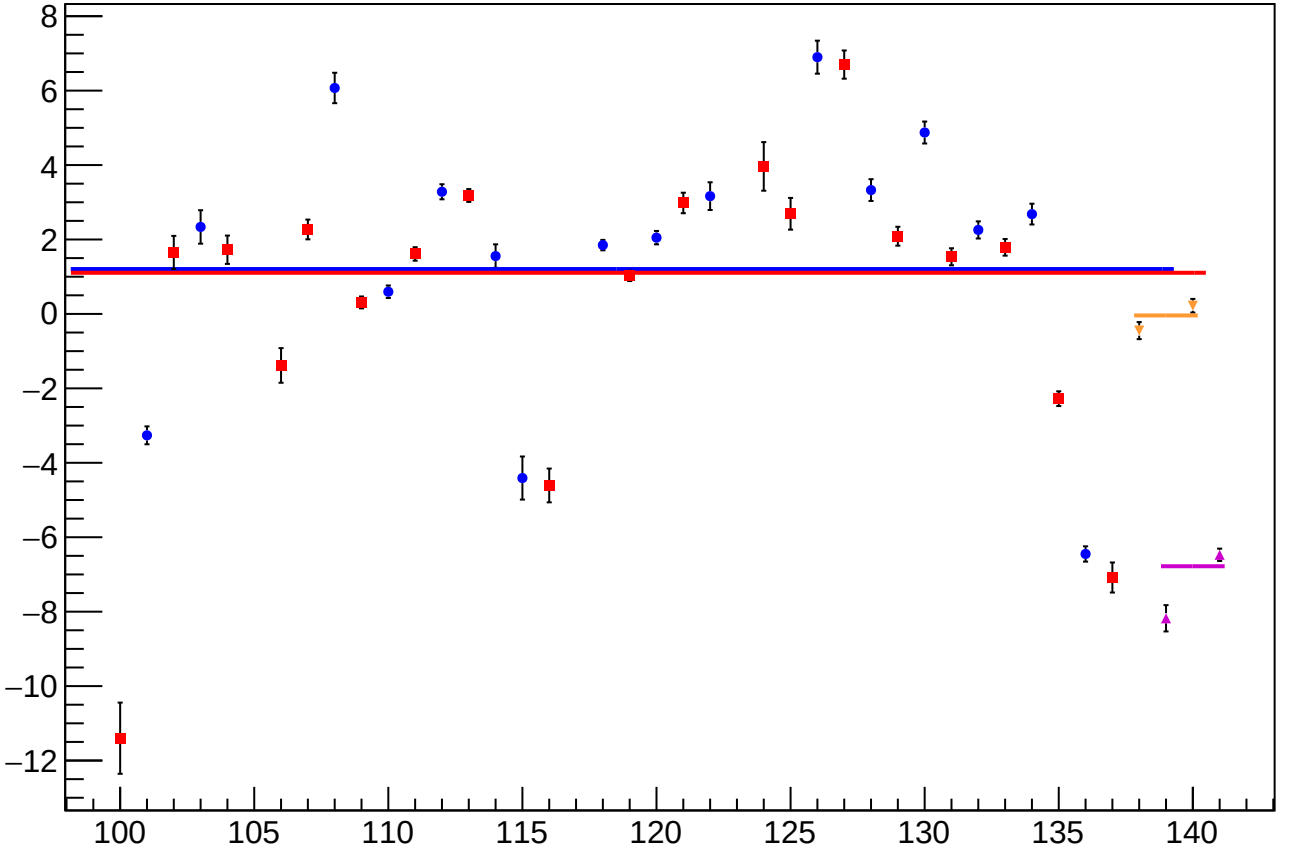
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.926+/-0.051 χ^2/NDF:148185.4/17

Out: 0.917+/-0.044 χ^2/NDF:140091.9/20

All: 0.921+/-0.033 χ^2/NDF: 288277.3/38

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -0.041+/-0.143 χ^2/NDF:5.2/1

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -6.779+/-0.150 χ^2/NDF:19.1/1

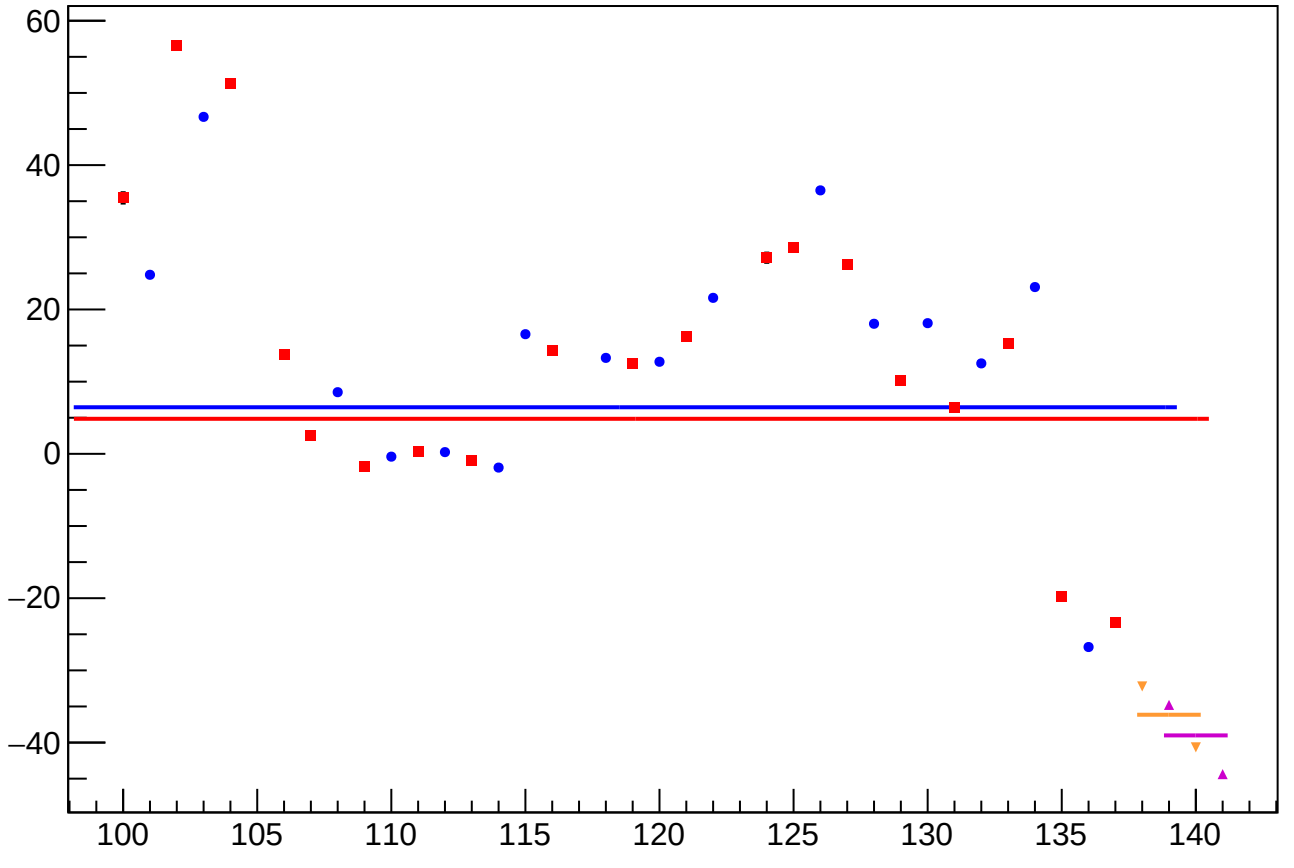
Left: -3.252+/-0.104 χ^2/NDF: 1079.3/3

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.092+/-0.056 χ^2/NDF:5039.1/17

Out: 0.948+/-0.053 χ^2/NDF:1647.6/20

All: 0.543+/-0.039 χ^2/NDF: 6809.5/38



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -36.146+/-0.155 χ^2/NDF:742.1/1

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -39.009+/-0.153 χ^2/NDF:965.6/1

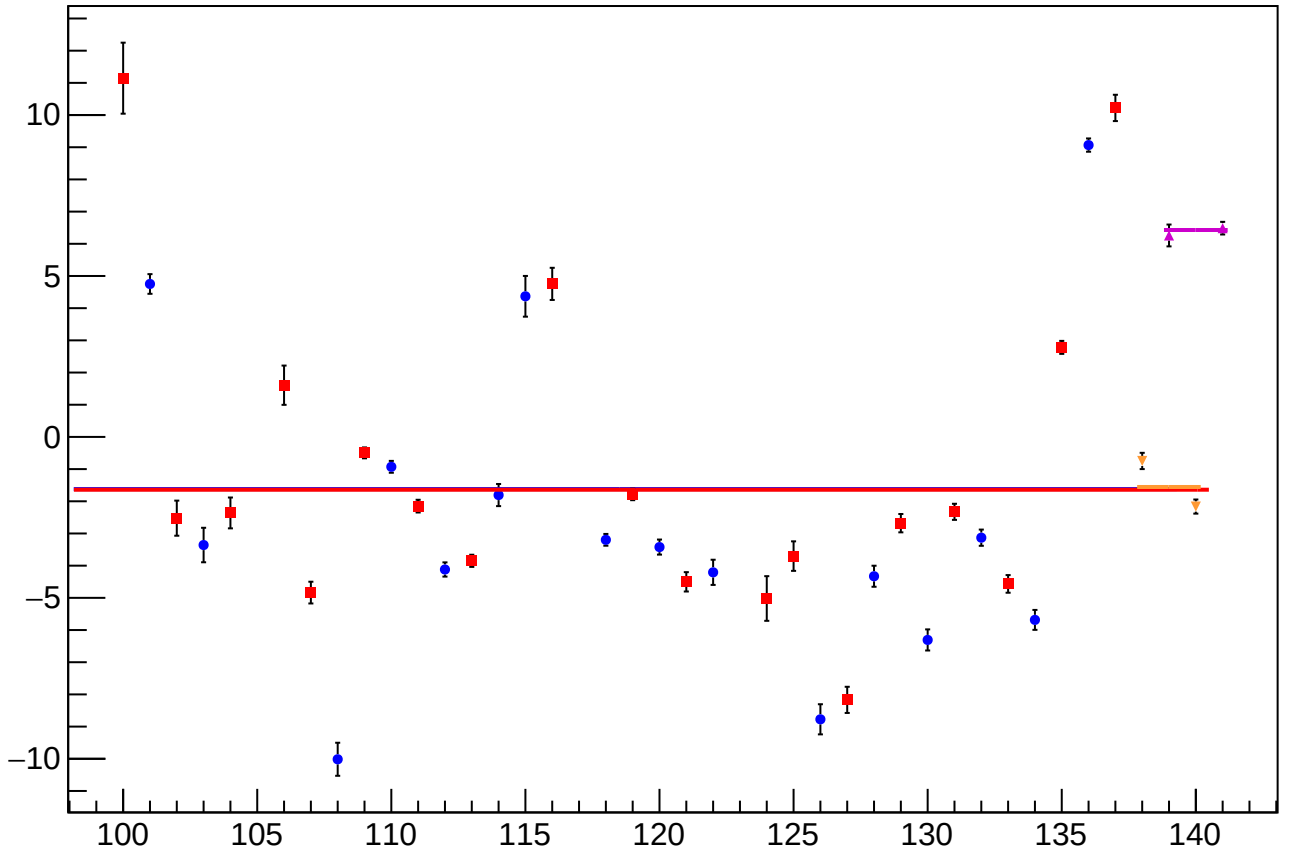
Left: -37.589+/-0.109 χ^2/NDF: 1880.6/3

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.513+/-0.060 χ^2/NDF:146107.9/17

Out: -0.387+/-0.055 χ^2/NDF:137415.3/20

All: -0.445+/-0.041 χ^2/NDF: 283525.7/38



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.556+/-0.166 χ^2/NDF:17.9/1

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 6.429+/-0.170 χ^2/NDF:0.3/1

Left: 2.331+/-0.119 χ^2/NDF: 1150.3/3

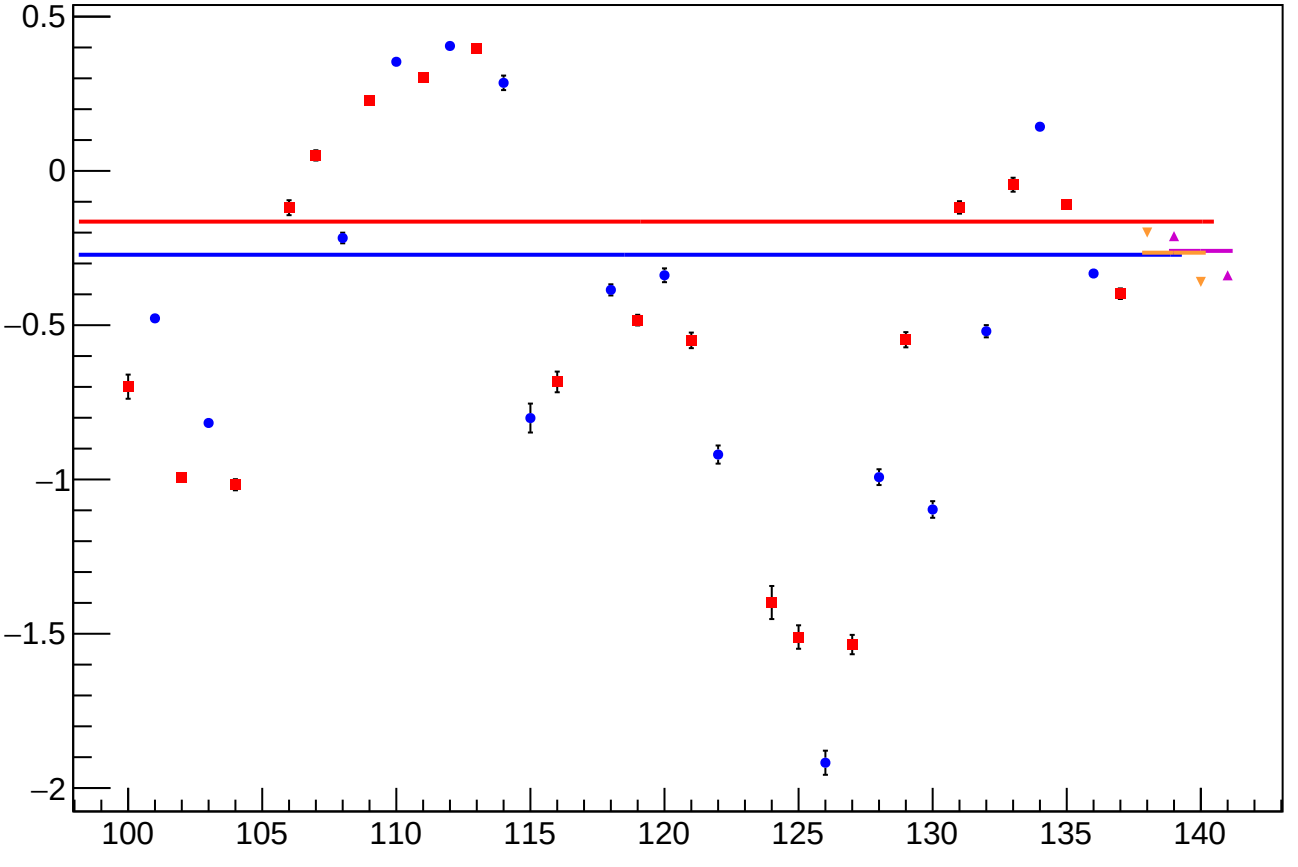
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.466+/-0.064 χ^2/NDF:6446.3/17

Out: -1.629+/-0.060 χ^2/NDF:2480.3/20

All: -1.087+/-0.044 χ^2/NDF: 9100.8/38

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.265+/-0.006 χ^2/NDF:156.2/1

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.259+/-0.006 χ^2/NDF:114.2/1

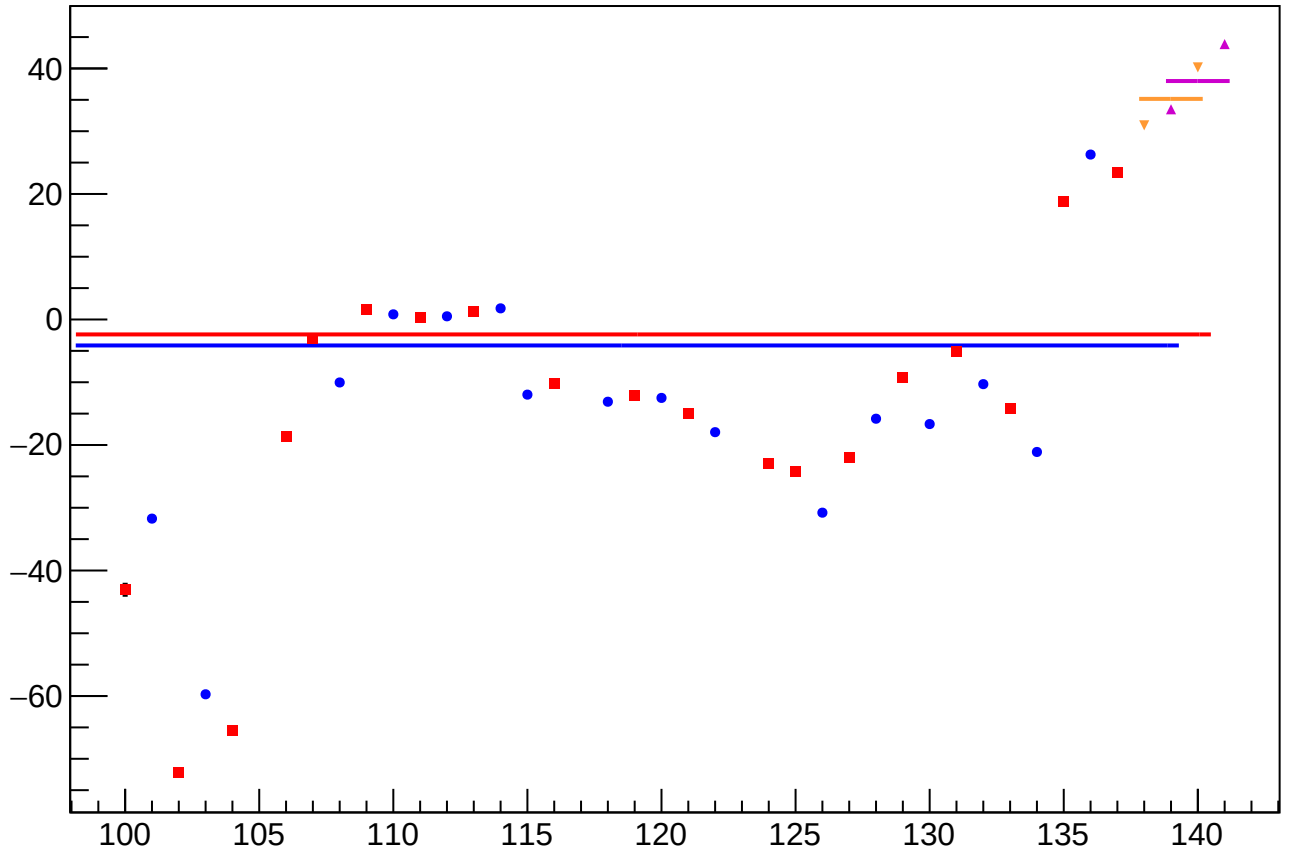
Left: -0.262+/-0.004 χ^2/NDF: 270.9/3

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.267+/-0.003 χ^2/NDF:12165.5/17

Out: -0.191+/-0.003 χ^2/NDF:15841.0/20

All: -0.228+/-0.002 χ^2/NDF: 28271.4/38



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 35.153+/-0.148 χ^2/NDF:959.1/1

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 37.996+/-0.148 χ^2/NDF:1215.0/1

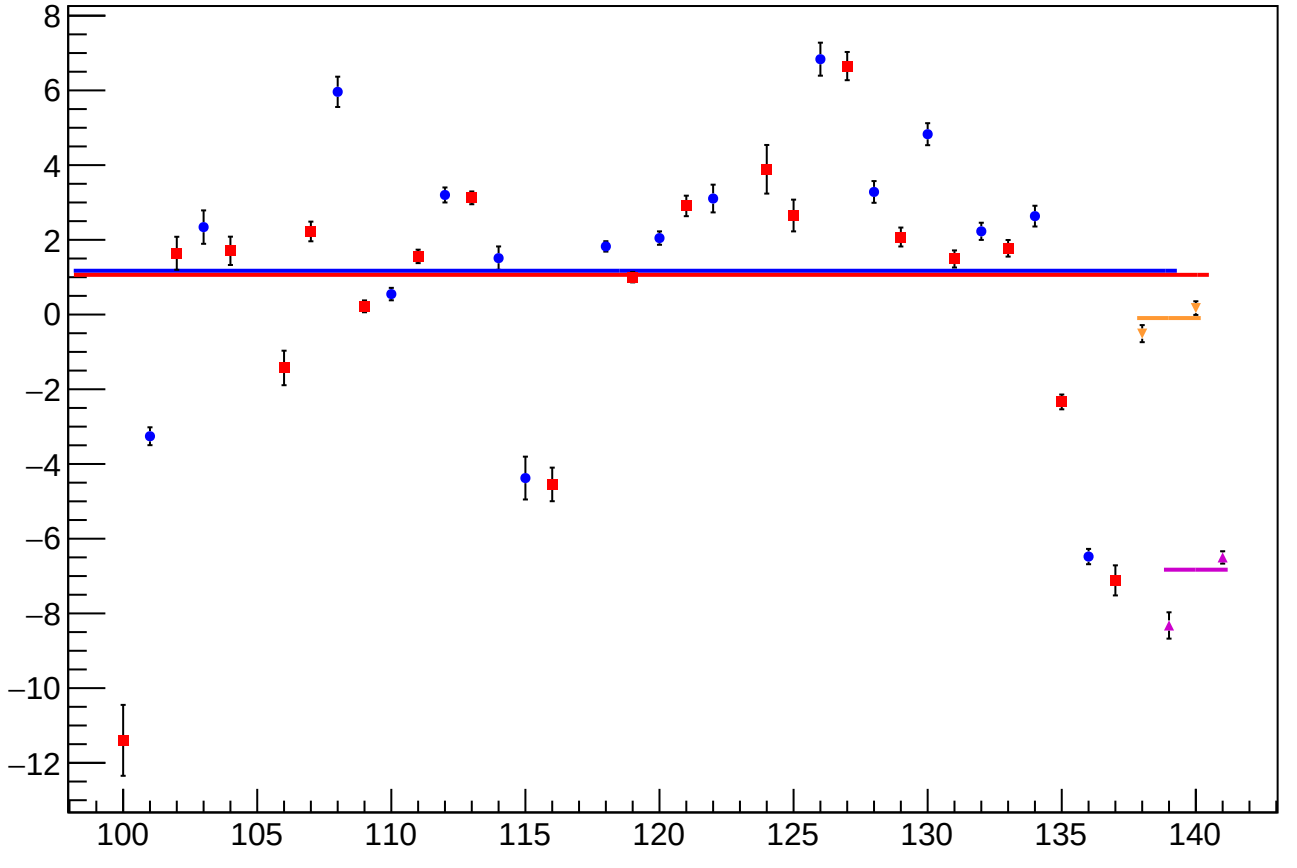
Left: 36.582+/-0.105 χ^2/NDF: 2358.5/3

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.887+/-0.051 χ^2/NDF:148152.1/17

Out: 0.886+/-0.044 χ^2/NDF:139968.6/20

All: 0.886+/-0.033 χ^2/NDF: 288120.8/38



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.094+/-0.143 χ^2/NDF:5.5/1

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -6.830+/-0.150 χ^2/NDF:21.9/1

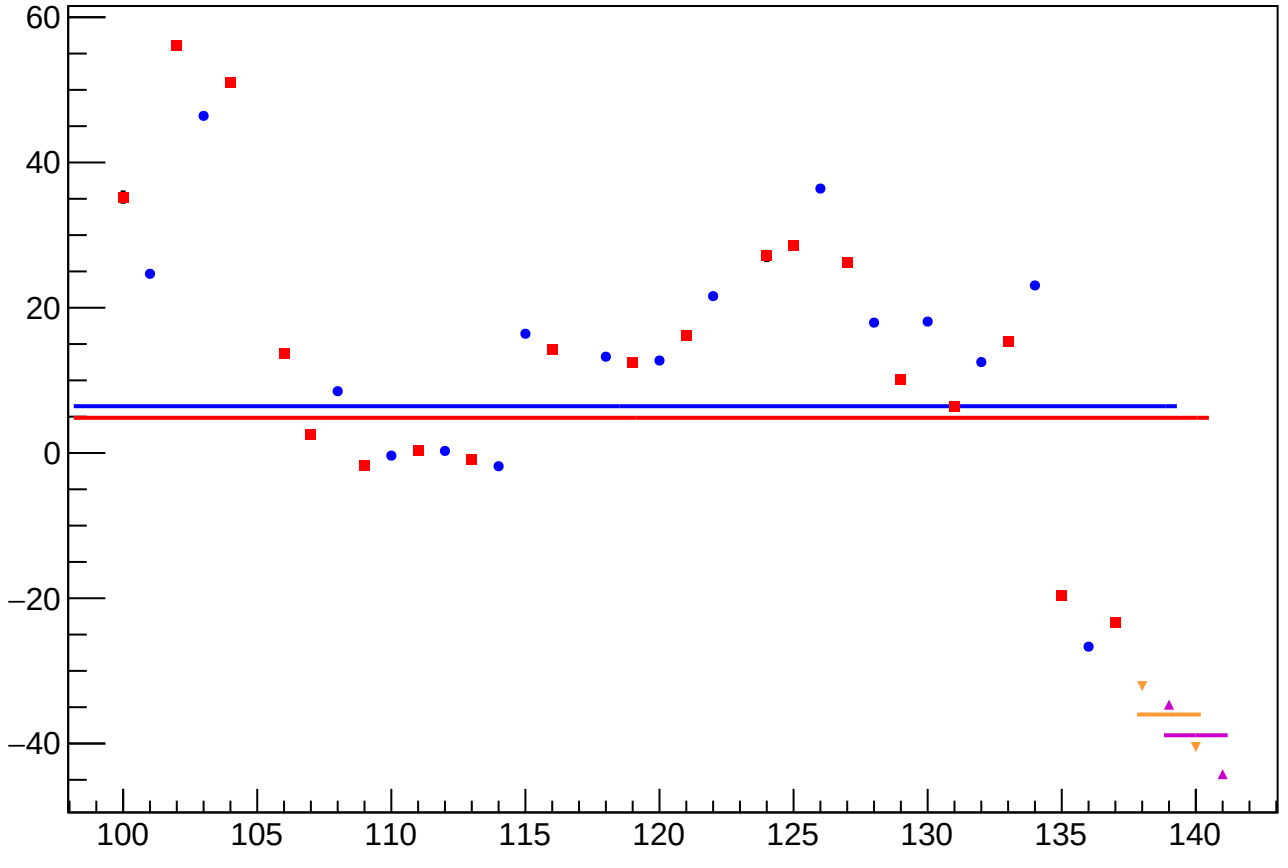
Left: -3.303+/-0.103 χ^2/NDF: 1087.9/3

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.060+/-0.056 χ^2/NDF:5068.0/17

Out: 0.904+/-0.053 χ^2/NDF:1658.6/20

All: 0.505+/-0.038 χ^2/NDF: 6847.1/38



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -36.005+/-0.154 χ^2/NDF:738.0/1

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -38.865+/-0.153 χ^2/NDF:966.3/1

Left: -37.446+/-0.108 χ^2/NDF: 1878.1/3

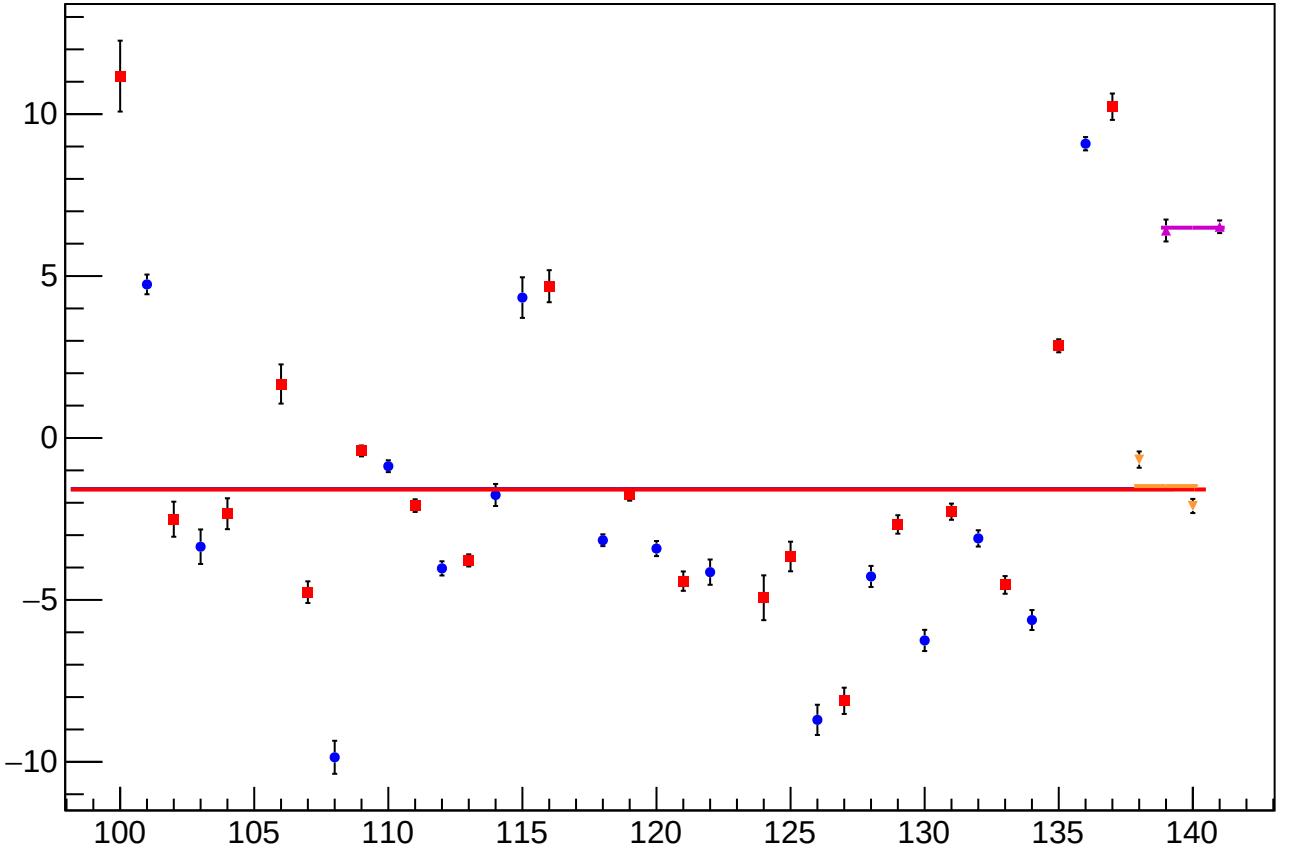
Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.471+/-0.060 χ^2/NDF:146061.2/17

Out: -0.351+/-0.055 χ^2/NDF:137283.5/20

All: -0.406+/-0.040 χ^2/NDF: 283346.9/38

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.485+/-0.165 χ^2/NDF:18.4/1

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 6.494+/-0.169 χ^2/NDF:0.1/1

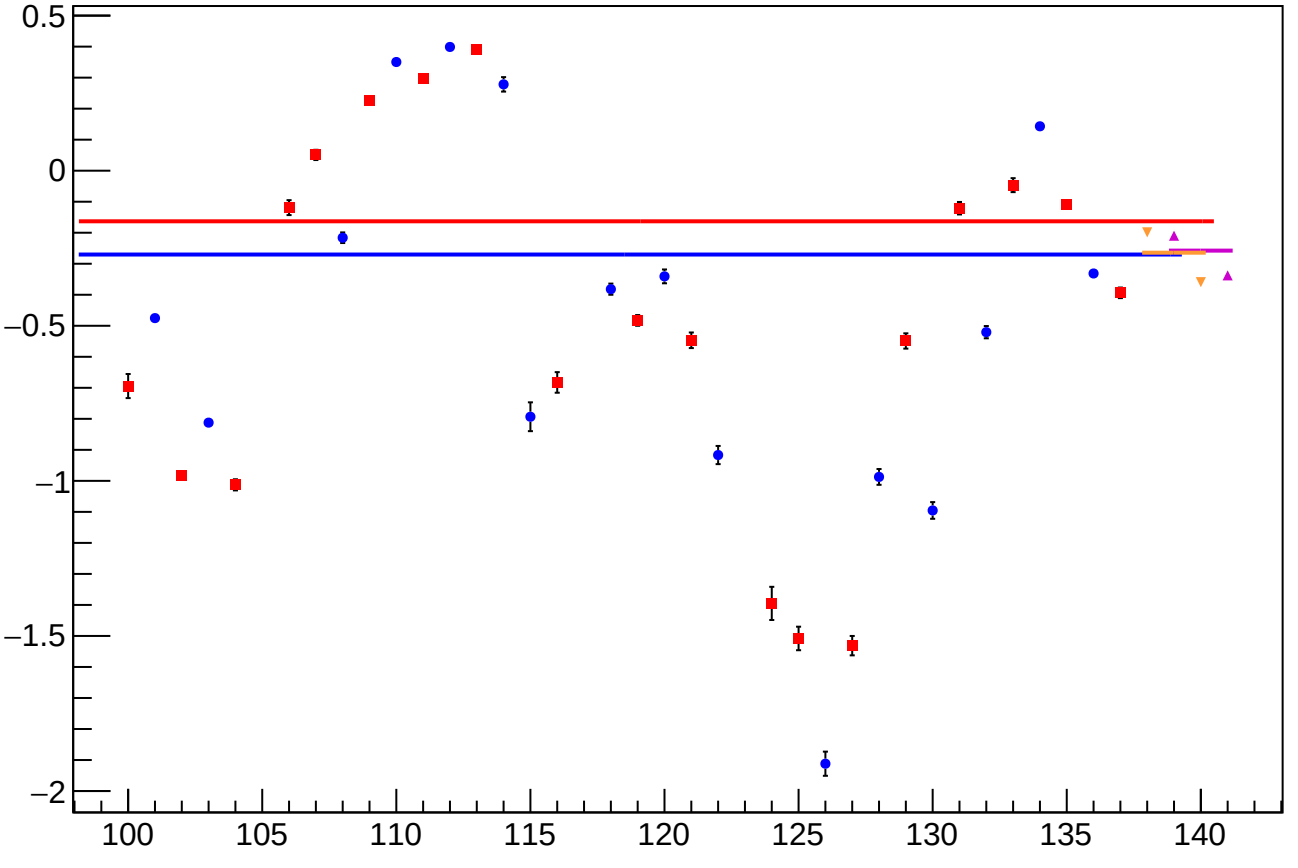
Left: 2.398+/-0.118 χ^2/NDF: 1155.9/3

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.426+/-0.064 χ^2/NDF:6468.9/17

Out: -1.576+/-0.060 χ^2/NDF:2491.0/20

All: -1.040+/-0.044 χ^2/NDF: 9131.8/38



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.264+/-0.006 χ^2/NDF:158.7/1

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.258+/-0.006 χ^2/NDF:116.5/1

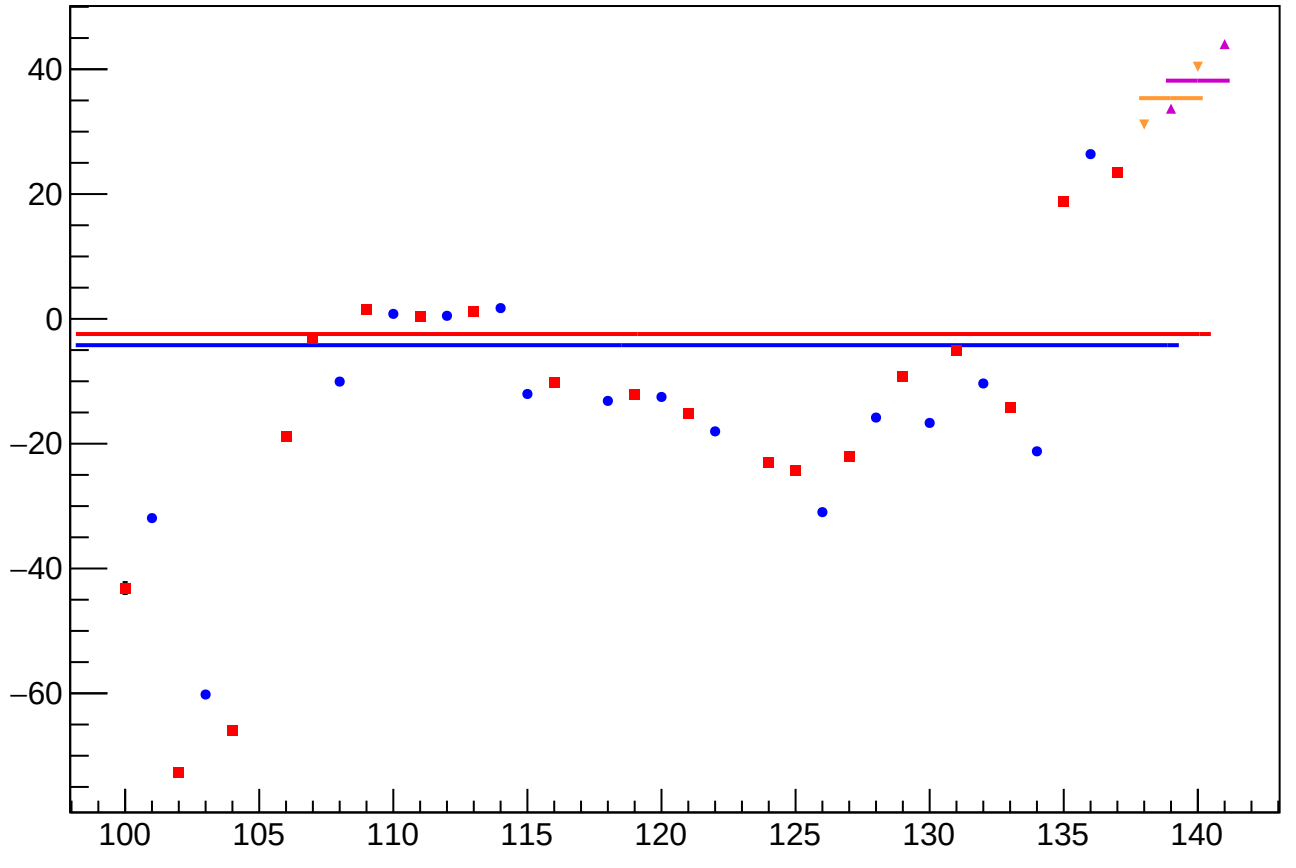
Left: -0.261+/-0.004 χ^2/NDF: 275.8/3

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.266+/-0.003 χ^2/NDF:12156.0/17

Out: -0.190+/-0.003 χ^2/NDF:15859.8/20

All: -0.227+/-0.002 χ^2/NDF: 28280.7/38



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 35.370+/-0.149 χ^2/NDF:954.3/1

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 38.172+/-0.148 χ^2/NDF:1194.9/1

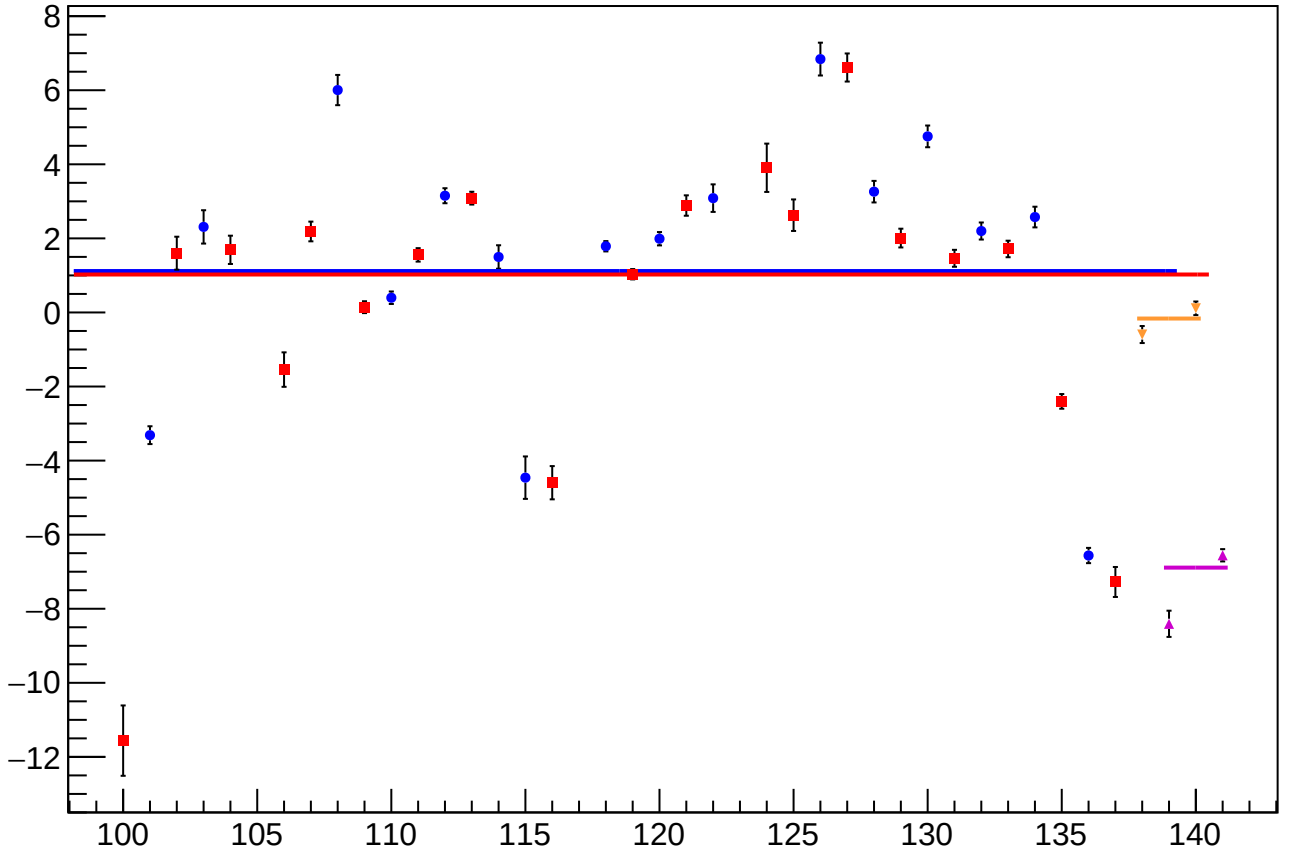
Left: 36.780+/-0.105 χ^2/NDF: 2326.5/3

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.862+/-0.051 χ^2/NDF:148296.6/17

Out: 0.876+/-0.044 χ^2/NDF:140228.1/20

All: 0.870+/-0.033 χ^2/NDF: 288524.7/38



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -0.164+/-0.143 χ^2/NDF:5.8/1

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -6.890+/-0.150 χ^2/NDF:22.4/1

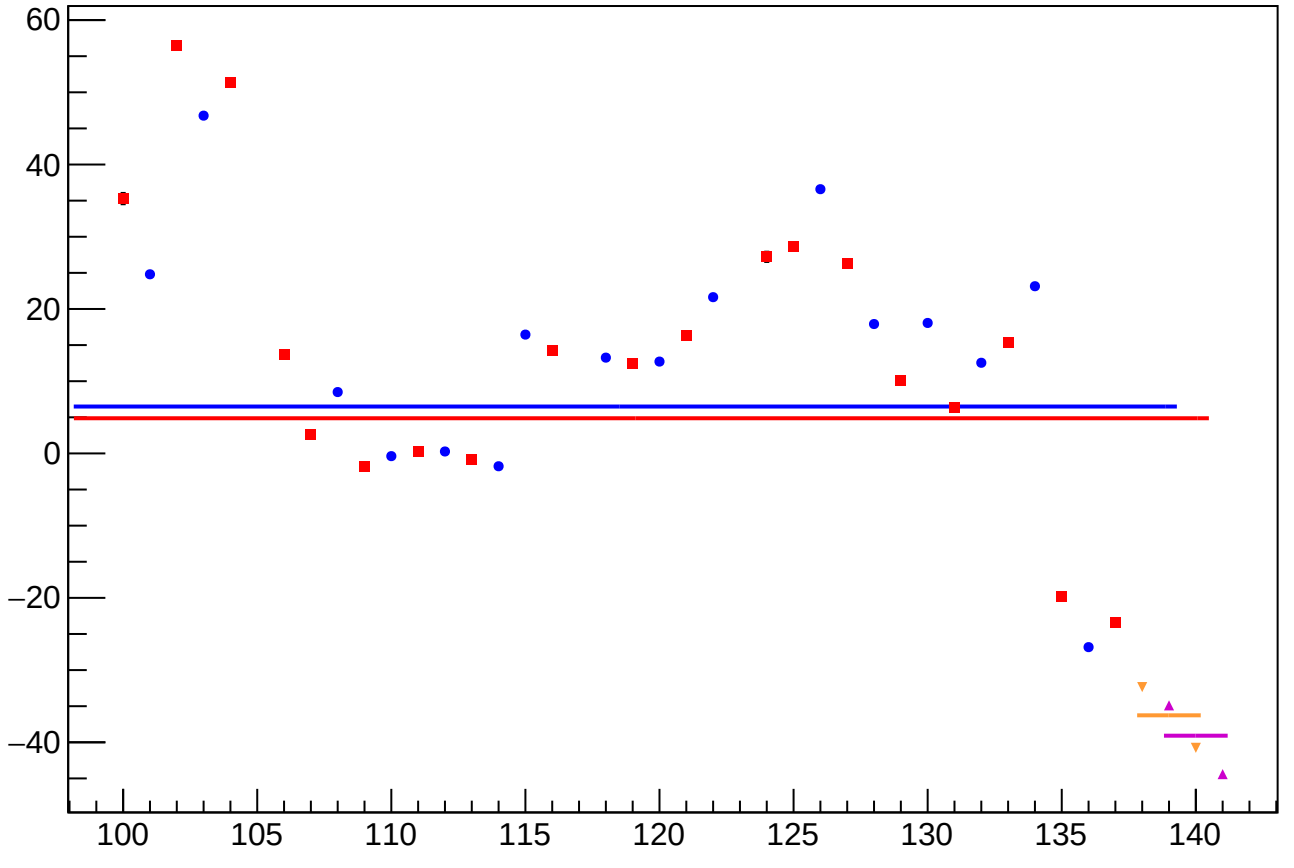
Left: -3.372+/-0.104 χ^2/NDF: 1075.9/3

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.004+/-0.056 χ^2/NDF:5058.7/17

Out: 0.861+/-0.053 χ^2/NDF:1677.0/20

All: 0.455+/-0.039 χ^2/NDF: 6858.9/38



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -36.263+/-0.155 χ^2/NDF:733.6/1

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -39.084+/-0.154 χ^2/NDF:948.7/1

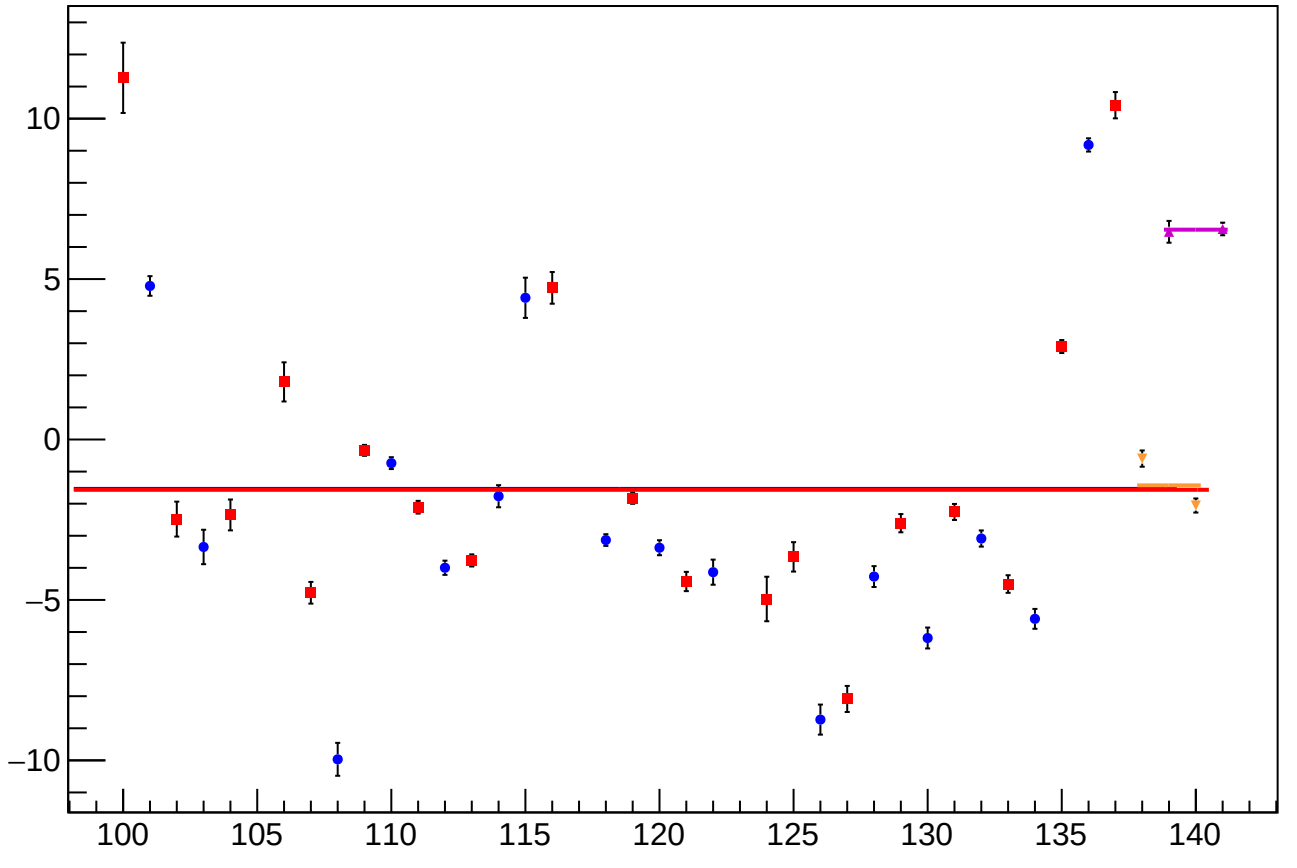
Left: -37.685+/-0.109 χ^2/NDF: 1849.8/3

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.478+/-0.060 χ^2/NDF:146239.6/17

Out: -0.377+/-0.055 χ^2/NDF:137578.1/20

All: -0.423+/-0.041 χ^2/NDF: 283819.3/38



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.430+/-0.166 χ^2/NDF:19.0/1

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 6.540+/-0.170 χ^2/NDF:0.1/1

Left: 2.453+/-0.119 χ^2/NDF: 1143.5/3

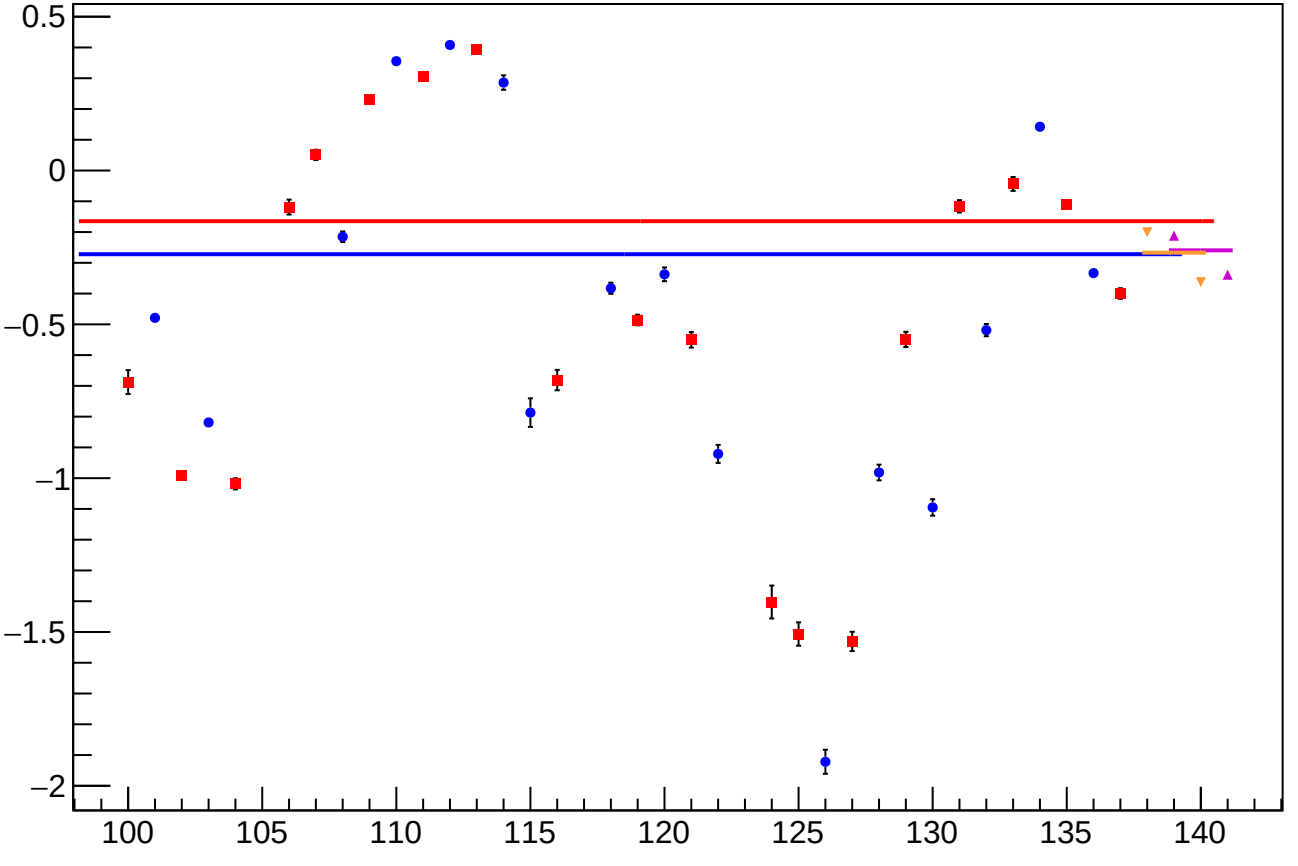
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.383+/-0.064 χ^2/NDF:6467.0/17

Out: -1.549+/-0.060 χ^2/NDF:2516.6/20

All: -1.005+/-0.044 χ^2/NDF: 9158.6/38

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.267+/-0.006 χ^2/NDF:159.4/1

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.259+/-0.006 χ^2/NDF:113.7/1

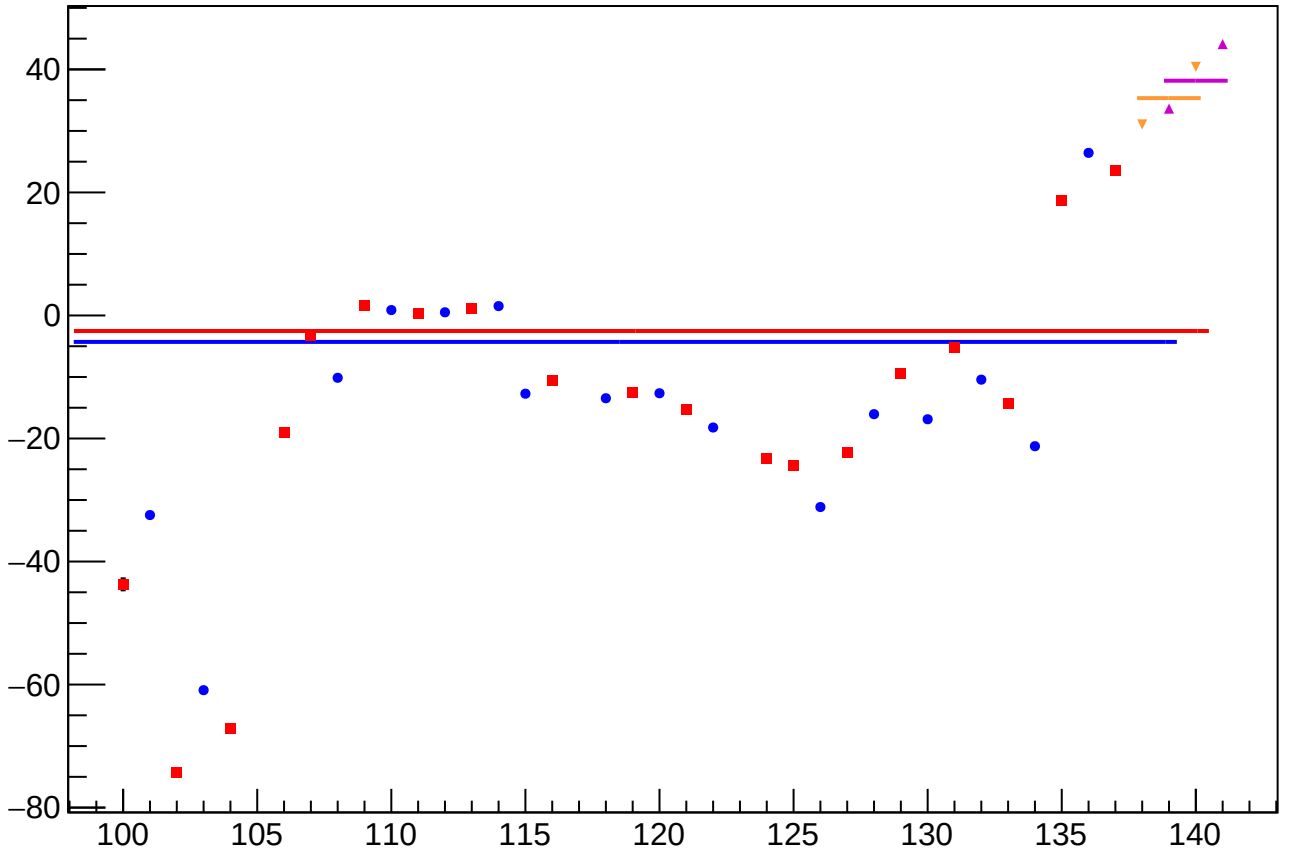
Left: -0.263+/-0.004 χ^2/NDF: 273.9/3

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.268+/-0.003 χ^2/NDF:12180.5/17

Out: -0.192+/-0.003 χ^2/NDF:15843.1/20

All: -0.229+/-0.002 χ^2/NDF: 28285.1/38



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 35.332+/-0.151 χ^2/NDF:960.3/1

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 38.164+/-0.150 χ^2/NDF:1201.9/1

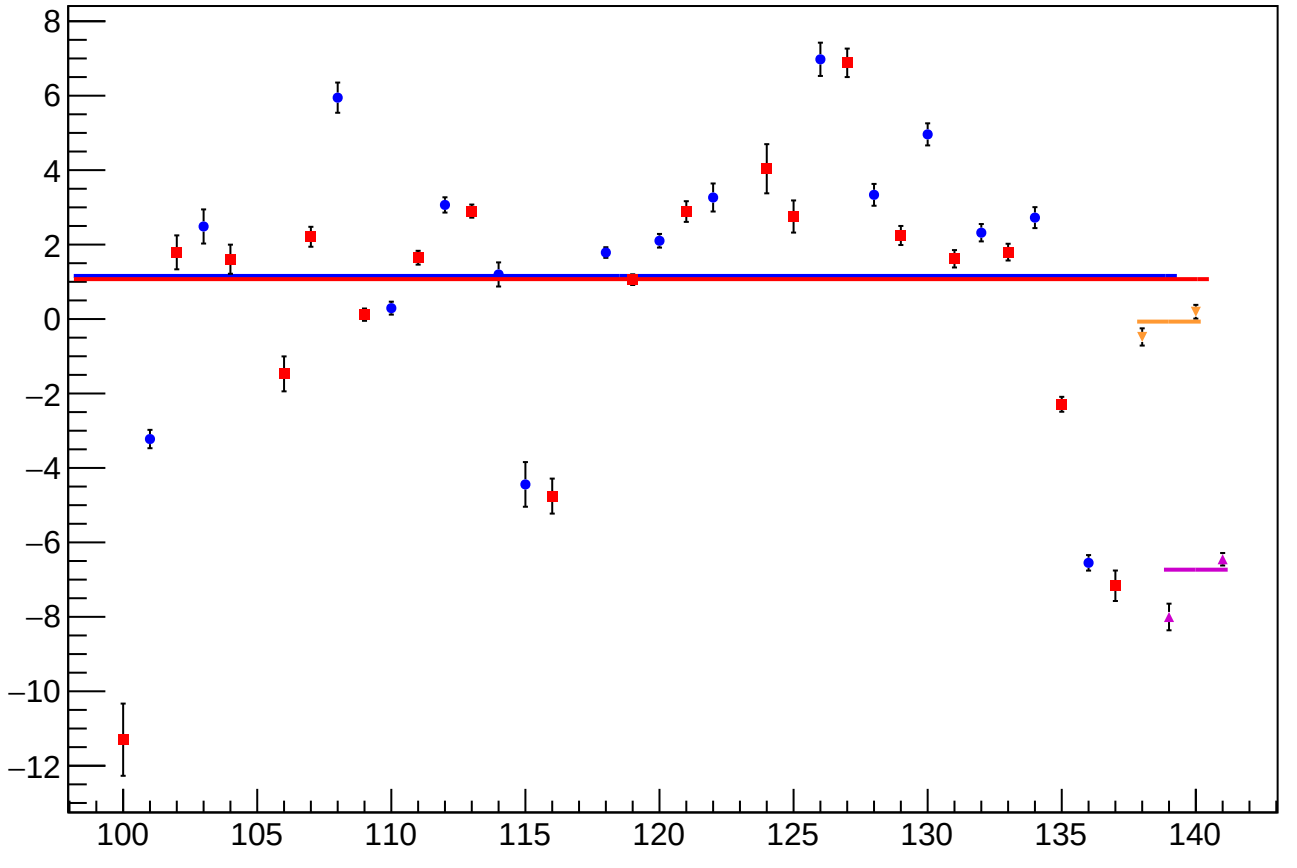
Left: 36.754+/-0.106 χ^2/NDF: 2339.9/3

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.860+/-0.052 χ^2/NDF:145891.2/17

Out: 0.869+/-0.045 χ^2/NDF:138435.3/20

All: 0.865+/-0.034 χ^2/NDF: 284326.5/38



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -0.069+/-0.145 χ^2/NDF:5.2/1

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -6.733+/-0.152 χ^2/NDF:15.4/1

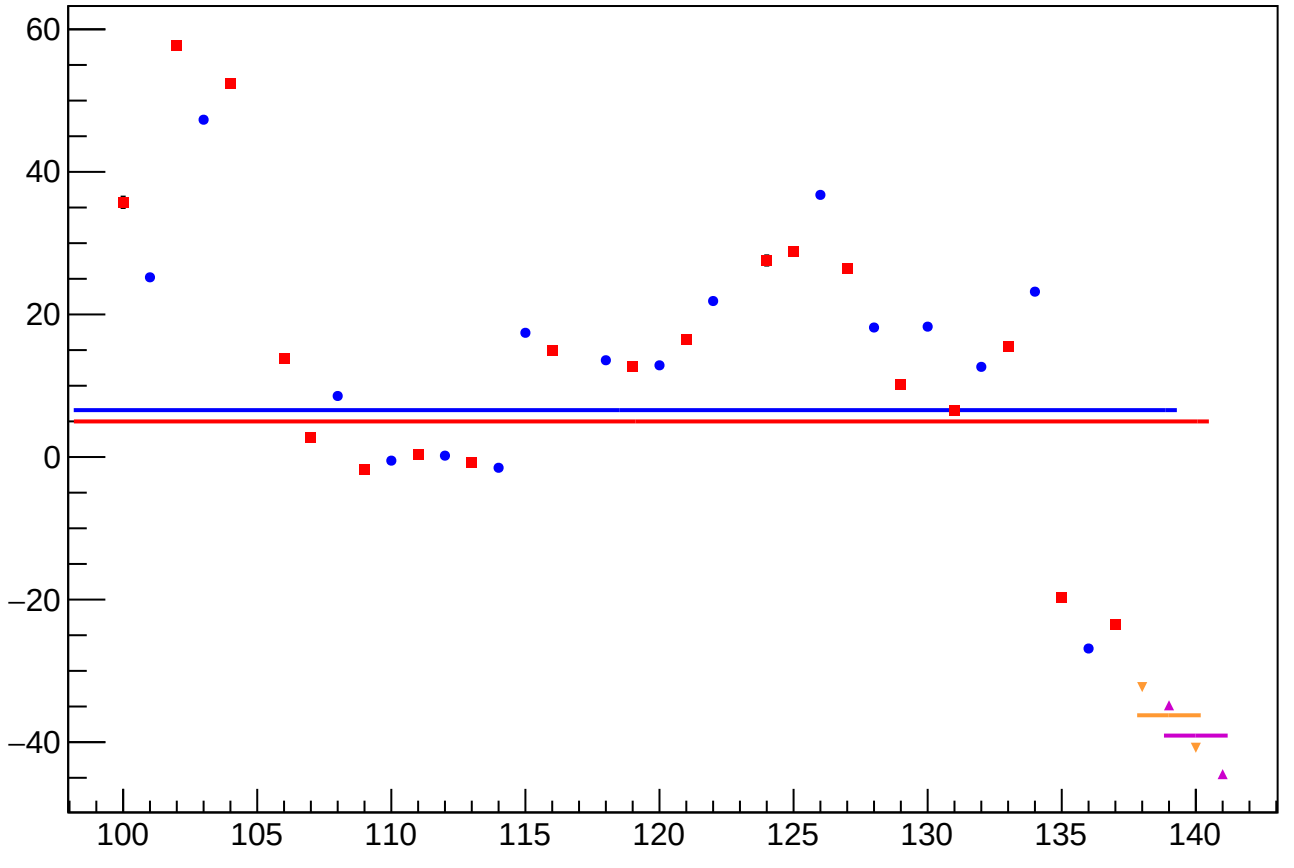
Left: -3.237+/-0.105 χ^2/NDF: 1029.0/3

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.047+/-0.057 χ^2/NDF:4880.7/17

Out: 0.913+/-0.054 χ^2/NDF:1610.1/20

All: 0.503+/-0.039 χ^2/NDF: 6611.9/38



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -36.229+/-0.156 χ^2/NDF:738.6/1

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -39.079+/-0.155 χ^2/NDF:954.2/1

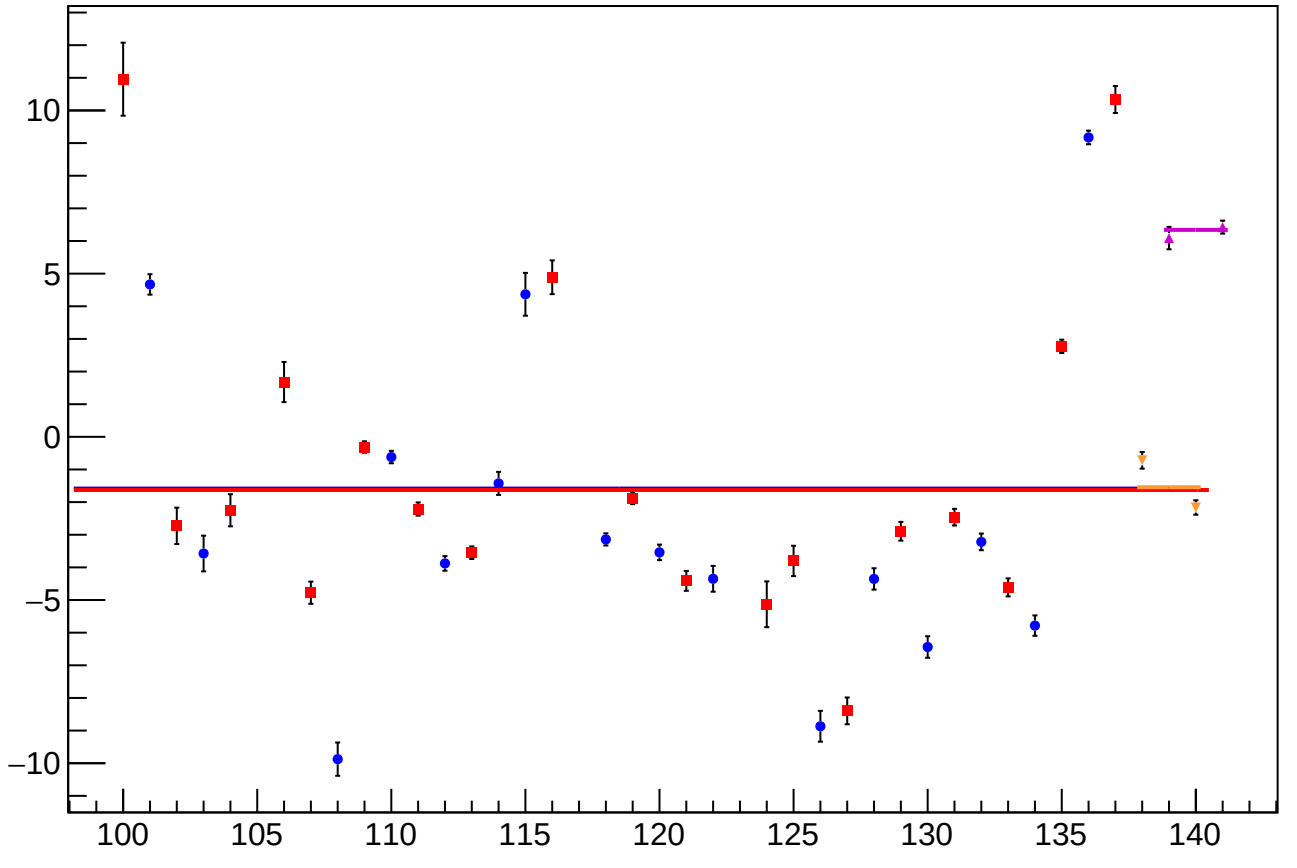
Left: -37.663+/-0.110 χ^2/NDF: 1860.3/3

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -0.488+/-0.061 χ^2/NDF:143863.2/17

Out: -0.375+/-0.056 χ^2/NDF:135808.4/20

All: -0.427+/-0.041 χ^2/NDF: 279673.4/38



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.544+/-0.167 χ^2/NDF:18.3/1

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 6.341+/-0.172 χ^2/NDF:0.7/1

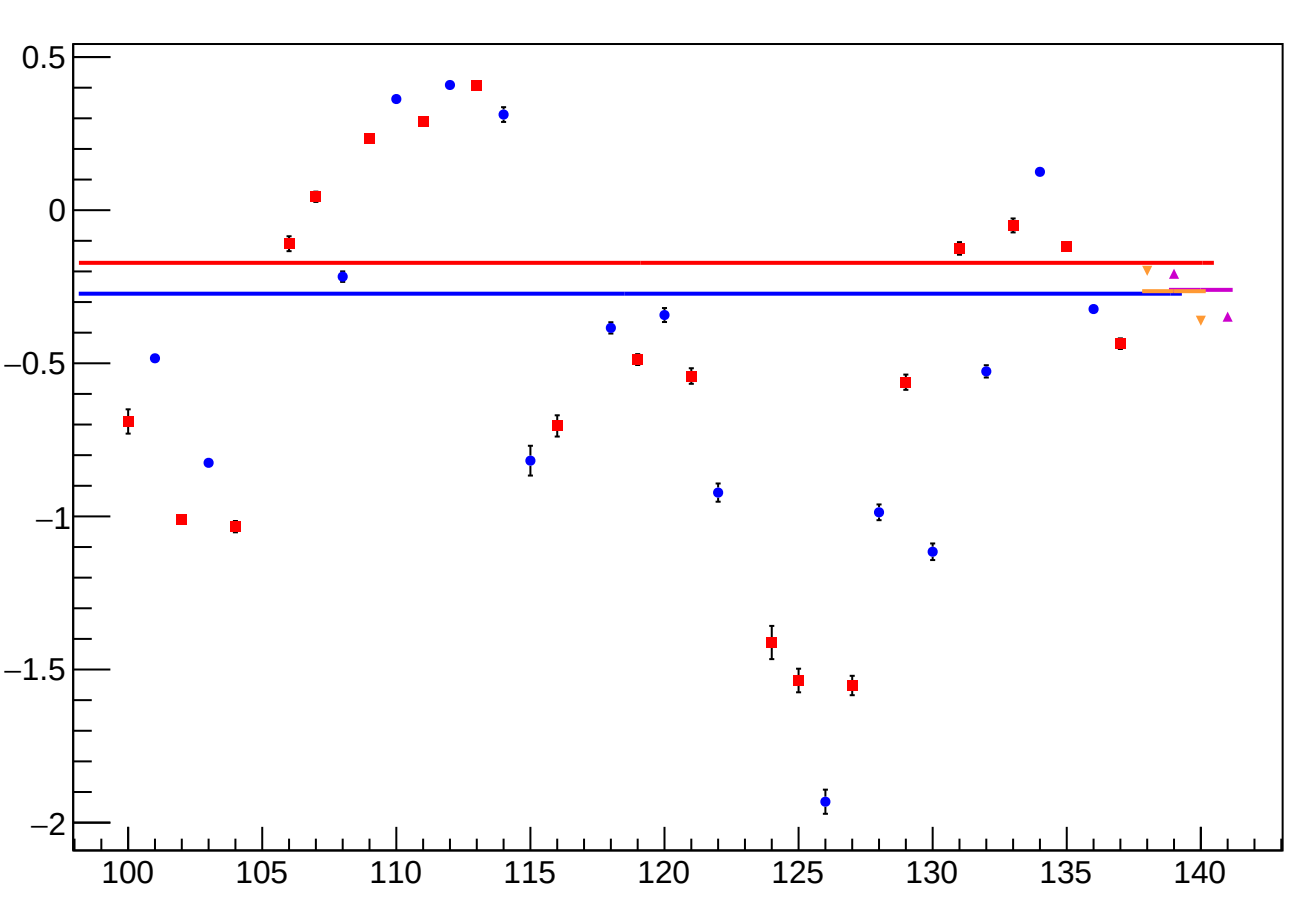
Left: 2.286+/-0.120 χ^2/NDF: 1098.2/3

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.439+/-0.065 χ^2/NDF:6287.1/17

Out: -1.617+/-0.061 χ^2/NDF:2440.8/20

All: -1.067+/-0.045 χ^2/NDF: 8900.5/38



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.265+/-0.006 χ^2/NDF:158.8/1

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.260+/-0.006 χ^2/NDF:135.7/1

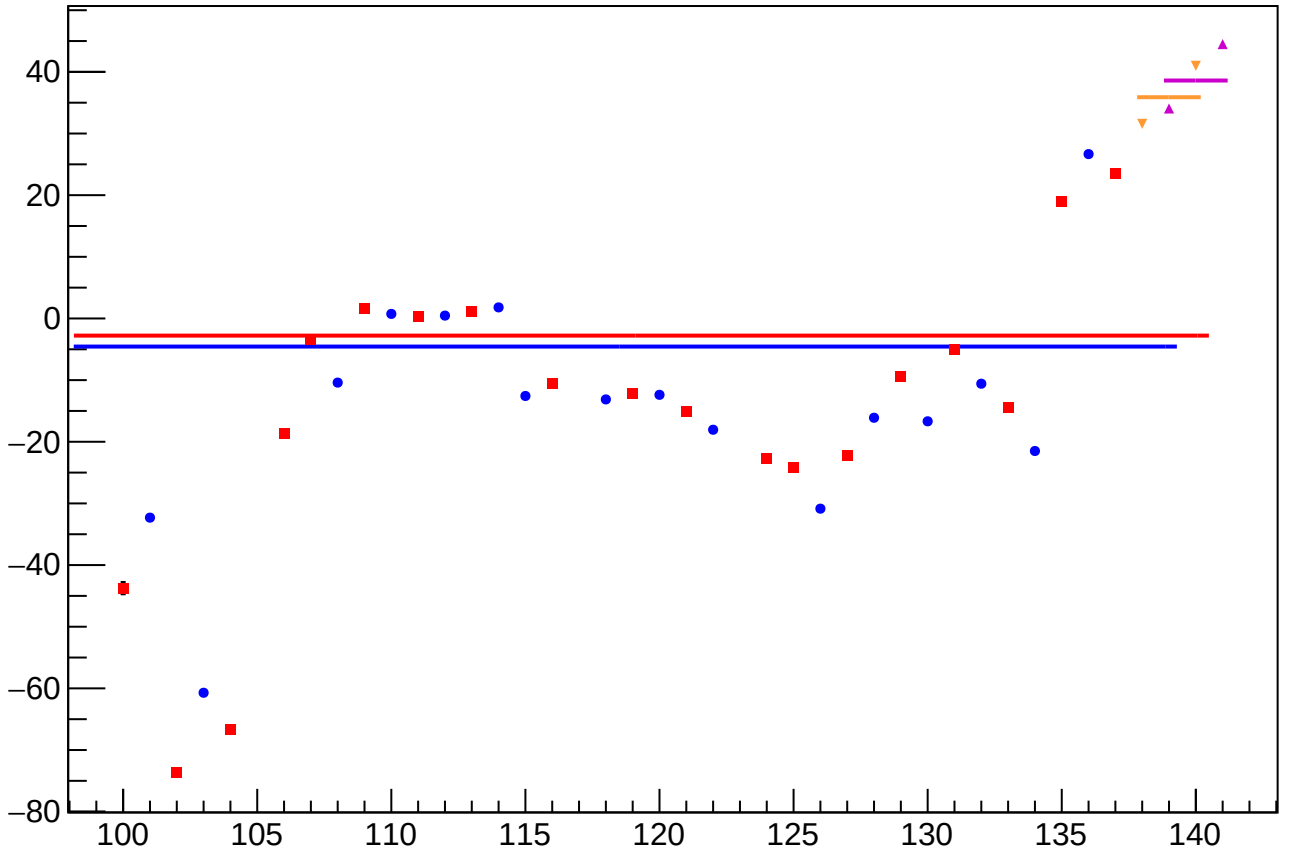
Left: -0.262+/-0.004 χ^2/NDF: 294.8/3

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.268+/-0.003 χ^2/NDF:11995.0/17

Out: -0.197+/-0.003 χ^2/NDF:15635.9/20

All: -0.231+/-0.002 χ^2/NDF: 27856.8/38



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 35.888+/-0.154 χ^2/NDF:925.7/1

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 38.597+/-0.153 χ^2/NDF:1143.1/1

Left: 37.254+/-0.109 χ^2/NDF: 2224.2/3

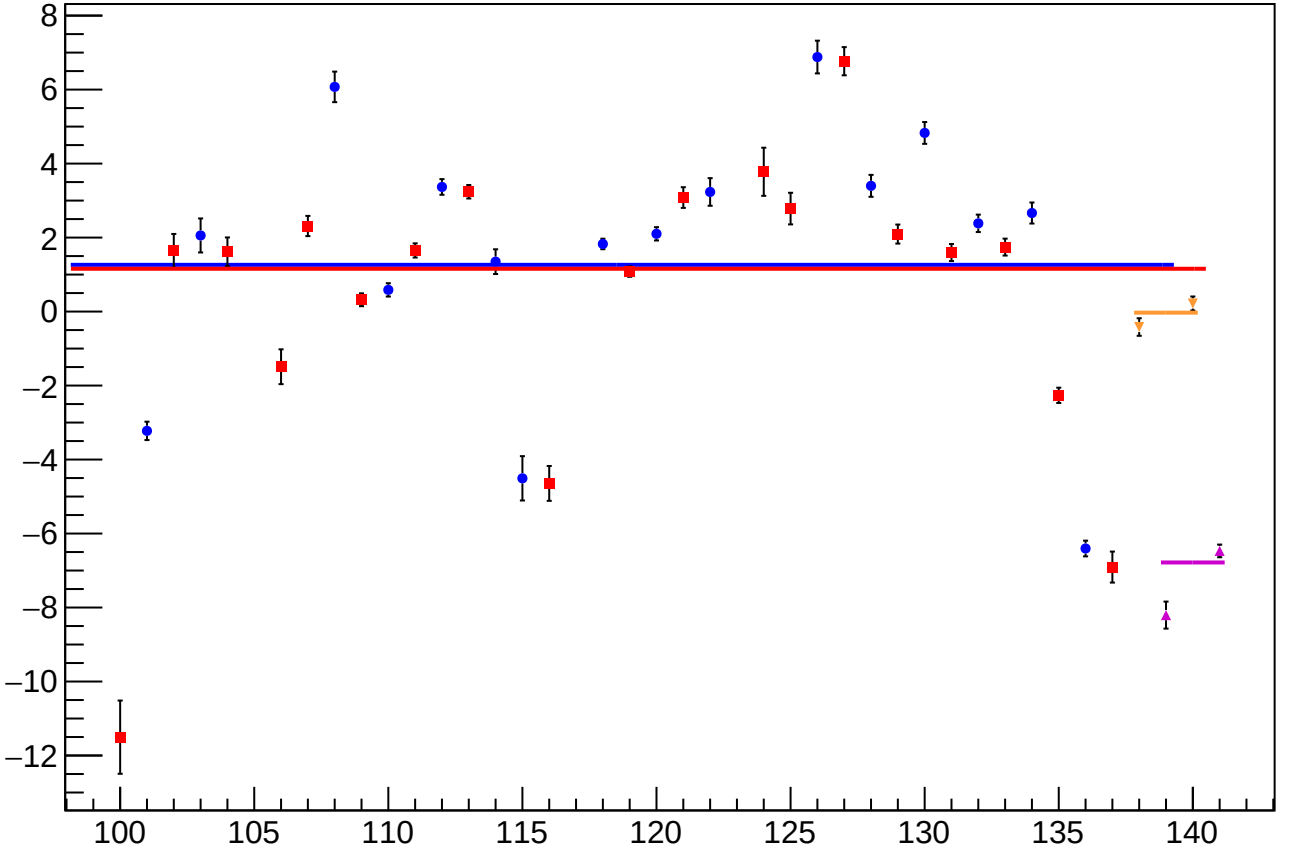
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.669+/-0.053 χ^2/NDF:143674.2/17

Out: 0.698+/-0.046 χ^2/NDF:135975.4/20

All: 0.685+/-0.035 χ^2/NDF: 279649.8/38

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.030+/-0.148 χ^2/NDF:4.4/1

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -6.782+/-0.155 χ^2/NDF:18.5/1

Left: -3.253+/-0.107 χ^2/NDF: 1015.0/3

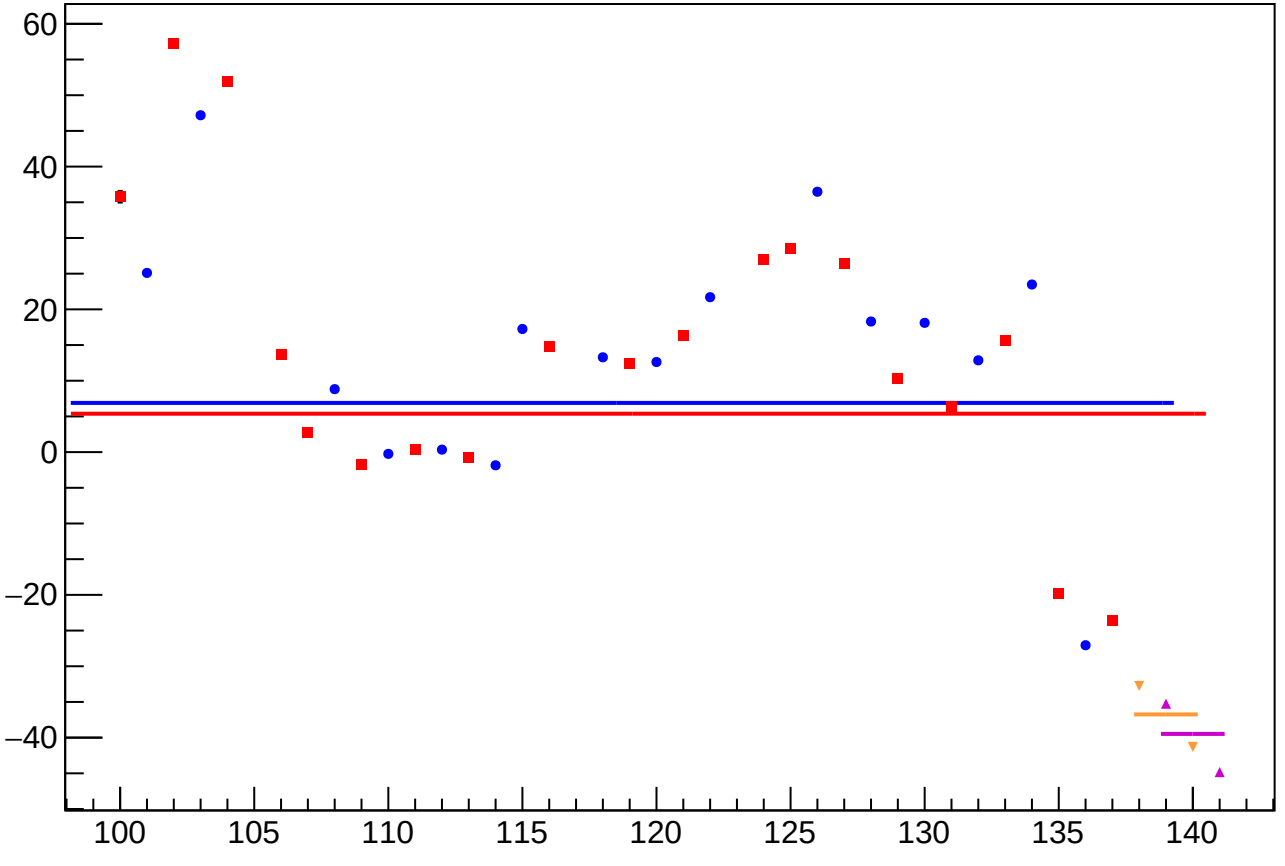
Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.152+/-0.058 χ^2/NDF:4784.9/17

Out: 0.994+/-0.055 χ^2/NDF:1550.3/20

All: 0.593+/-0.040 χ^2/NDF: 6447.2/38

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -36.747+/-0.160 χ^2/NDF:709.3/1

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -39.479+/-0.158 χ^2/NDF:902.8/1

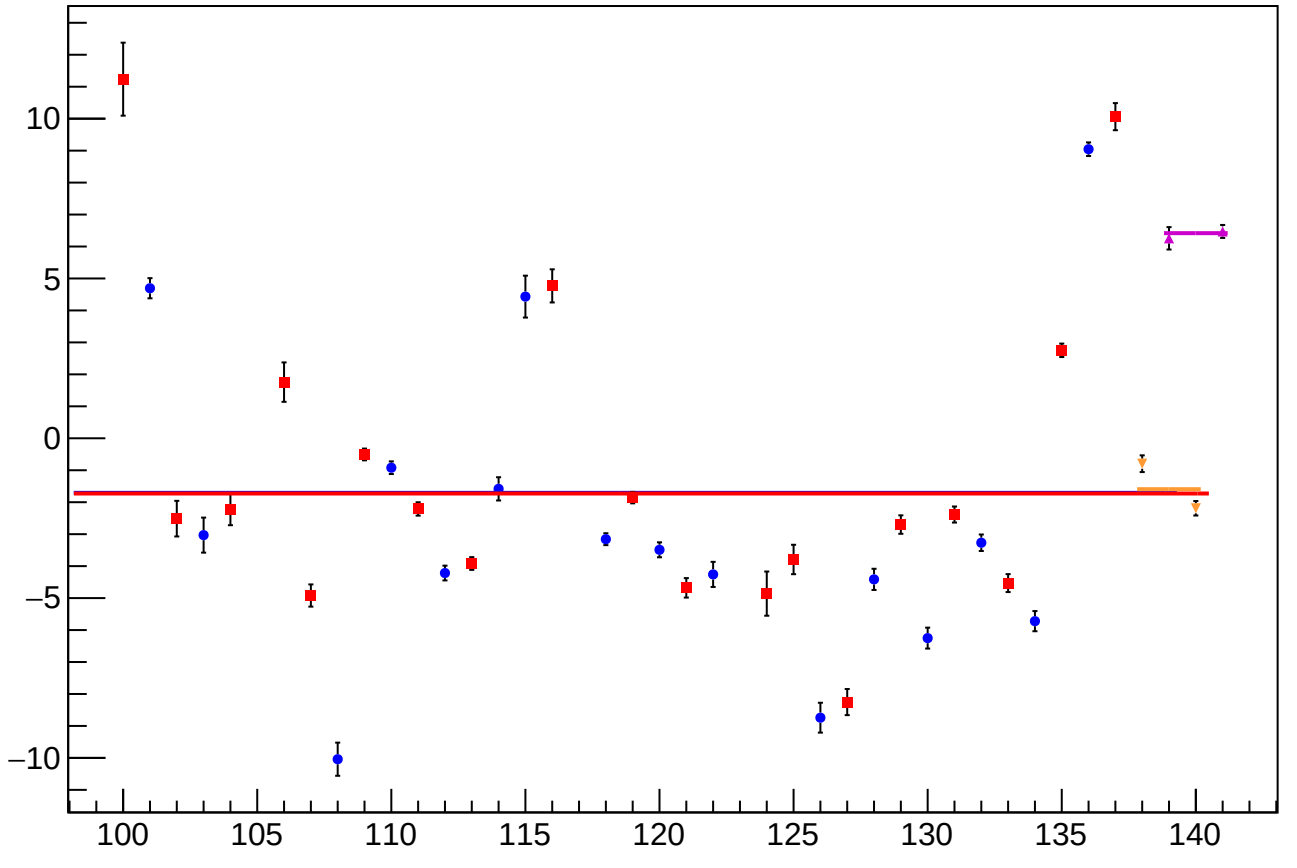
Left: -38.128+/-0.113 χ^2/NDF: 1759.3/3

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

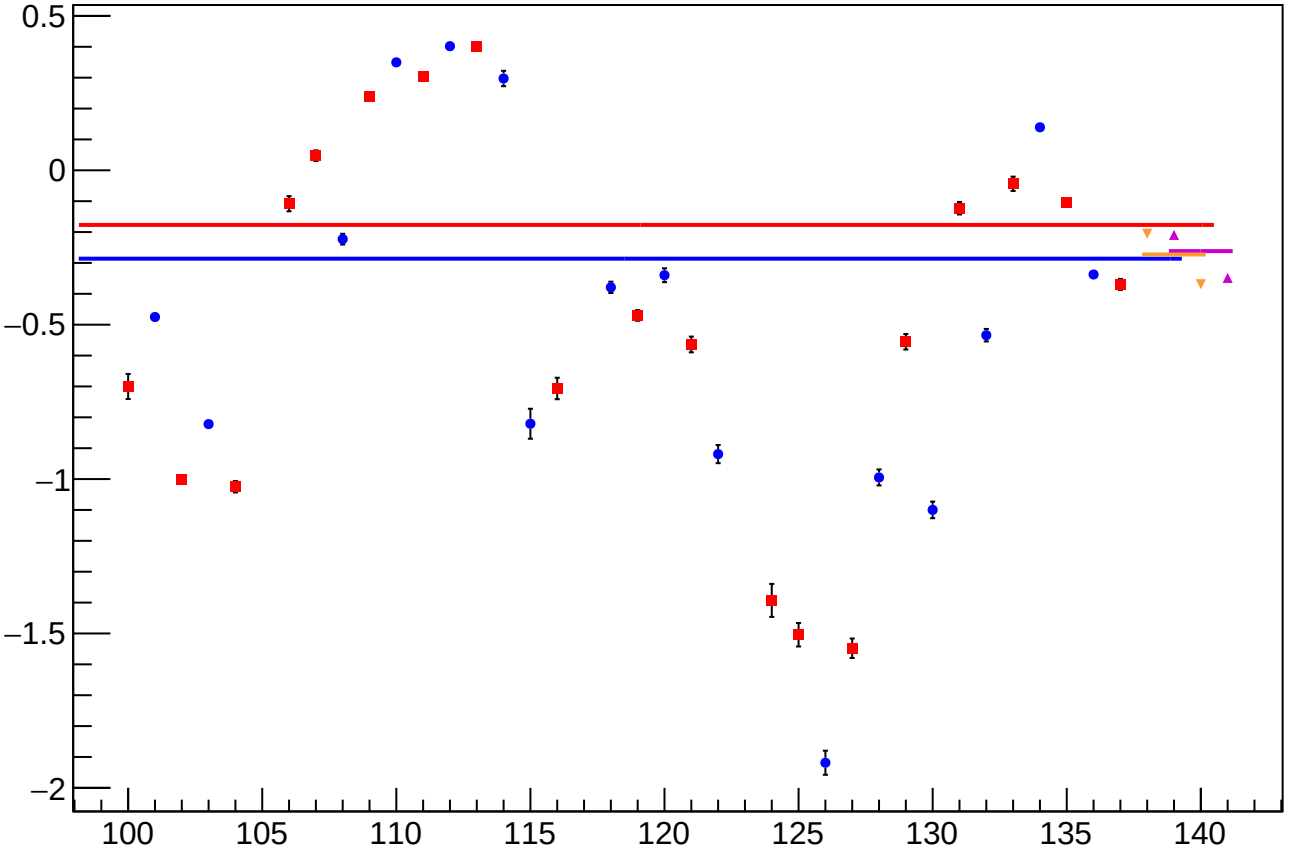
In: -0.209+/-0.062 χ^2/NDF:141547.8/17

Out: -0.065+/-0.058 χ^2/NDF:133237.4/20

All: -0.132+/-0.042 χ^2/NDF: 274788.0/38


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected
10
5
0
−5
−10
100
105
110
115
120
125
130
135
140
Right In: -1.708+/-0.072 χ²/NDF: 4289.8/15
Left Out: -1.593+/-0.171 χ²/NDF:16.2/1
Right Out: -1.727+/-0.067 χ²/NDF: 2309.6/18
Left In: 6.418+/-0.176 χ²/NDF:0.3/1
Left: 2.315+/-0.123 χ²/NDF: 1083.5/3
Right: -1.718+/-0.049 χ²/NDF: 6599.4/34
In: -0.549+/-0.066 χ²/NDF:6127.8/17
Out: -1.710+/-0.062 χ²/NDF:2326.3/20
All: -1.165+/-0.045 χ²/NDF: 8617.0/38

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.273+/-0.007 χ^2/NDF:152.1/1

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.262+/-0.006 χ^2/NDF:128.8/1

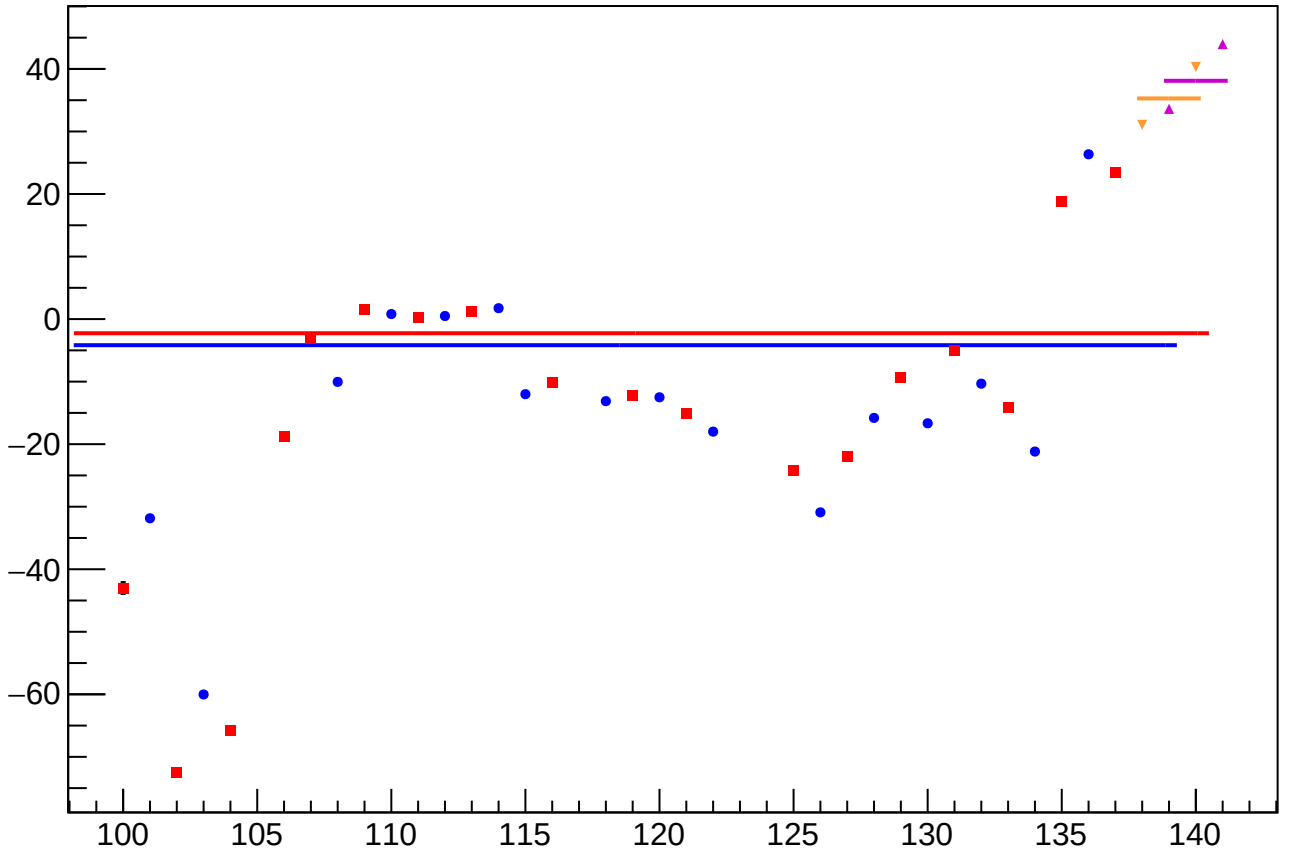
Left: -0.267+/-0.004 χ^2/NDF: 282.5/3

Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.278+/-0.003 χ^2/NDF:11501.2/17

Out: -0.203+/-0.003 χ^2/NDF:15077.5/20

All: -0.239+/-0.002 χ^2/NDF: 26819.7/38



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 35.285+/-0.149 χ^2/NDF:959.1/1

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 38.105+/-0.148 χ^2/NDF:1204.8/1

Left: 36.703+/-0.105 χ^2/NDF: 2344.7/3

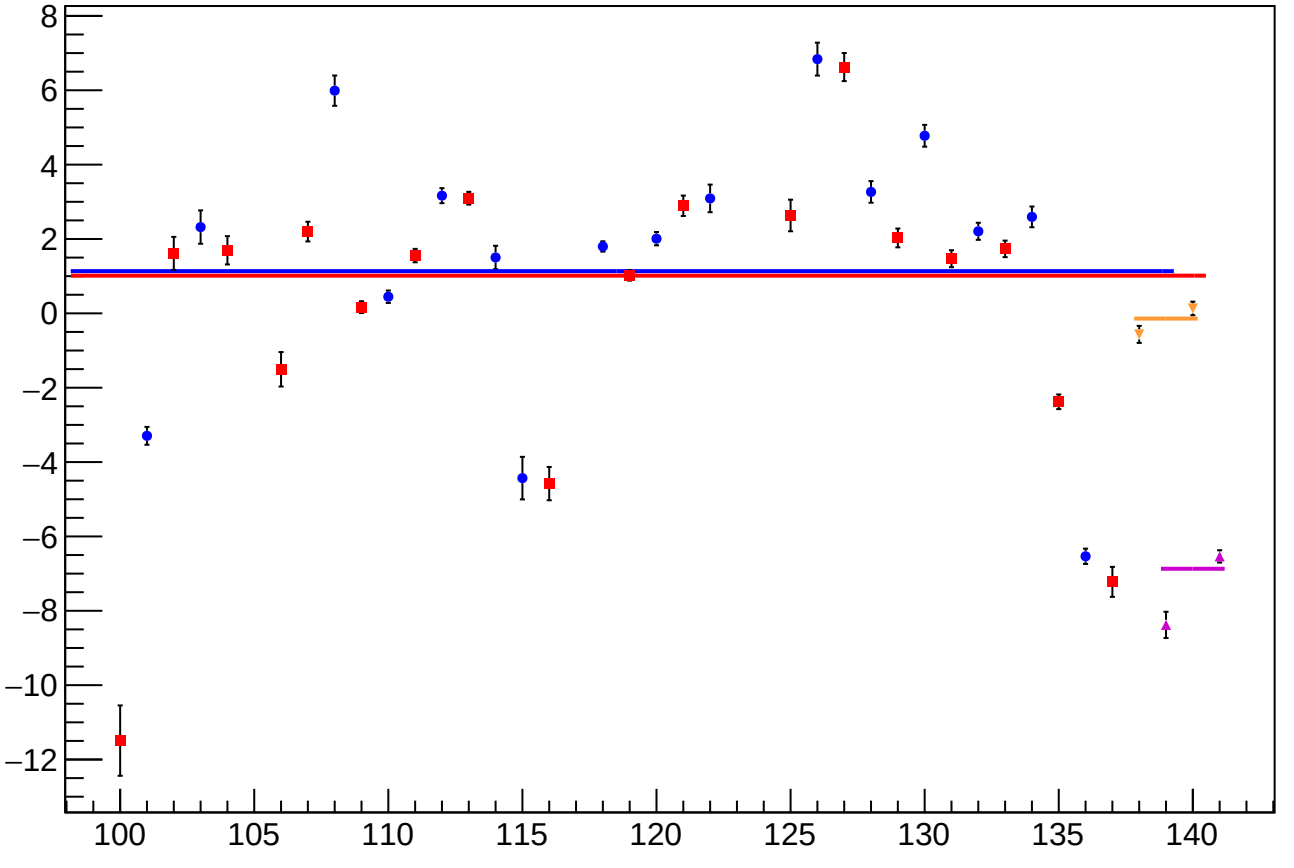
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.874+/-0.051 χ^2/NDF:148567.7/17

Out: 1.021+/-0.044 χ^2/NDF:138733.0/19

All: 0.959+/-0.033 χ^2/NDF: 287305.5/37

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -0.141+/-0.143 χ^2/NDF:5.6/1

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -6.869+/-0.150 χ^2/NDF:22.3/1

Left: -3.349+/-0.103 χ^2/NDF: 1082.8/3

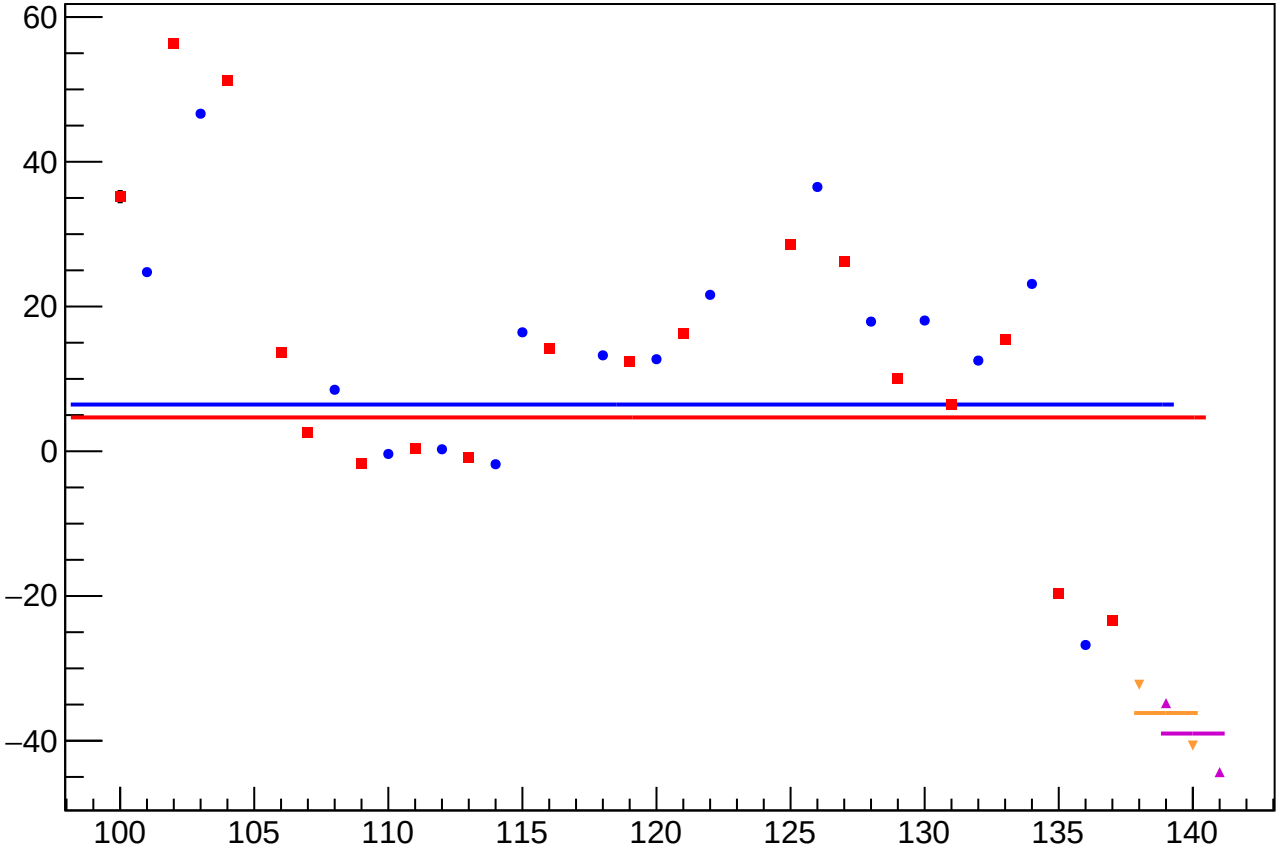
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.024+/-0.056 χ^2/NDF:5074.7/17

Out: 0.855+/-0.053 χ^2/NDF:1654.9/19

All: 0.460+/-0.038 χ^2/NDF: 6845.9/37

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -36.164+/-0.154 χ^2/NDF:737.6/1

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -39.003+/-0.153 χ^2/NDF:957.1/1

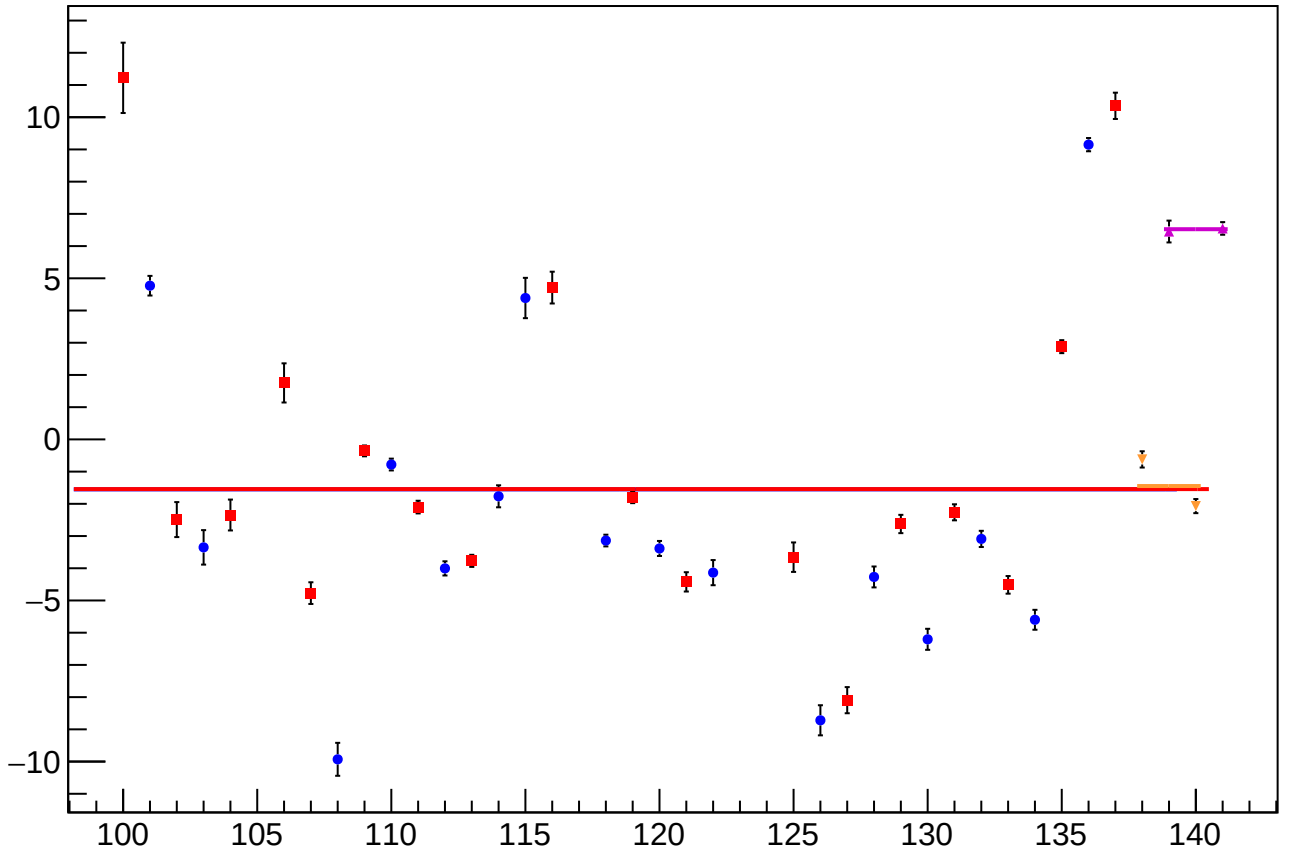
Left: -37.595+/-0.109 χ^2/NDF: 1865.4/3

Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.480+/-0.060 χ^2/NDF:146497.4/17

Out: -0.545+/-0.055 χ^2/NDF:136239.2/19

All: -0.515+/-0.041 χ^2/NDF: 282737.2/37



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.448+/-0.165 χ^2/NDF:18.8/1

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 6.524+/-0.170 χ^2/NDF:0.1/1

Left: 2.434+/-0.118 χ^2/NDF: 1150.7/3

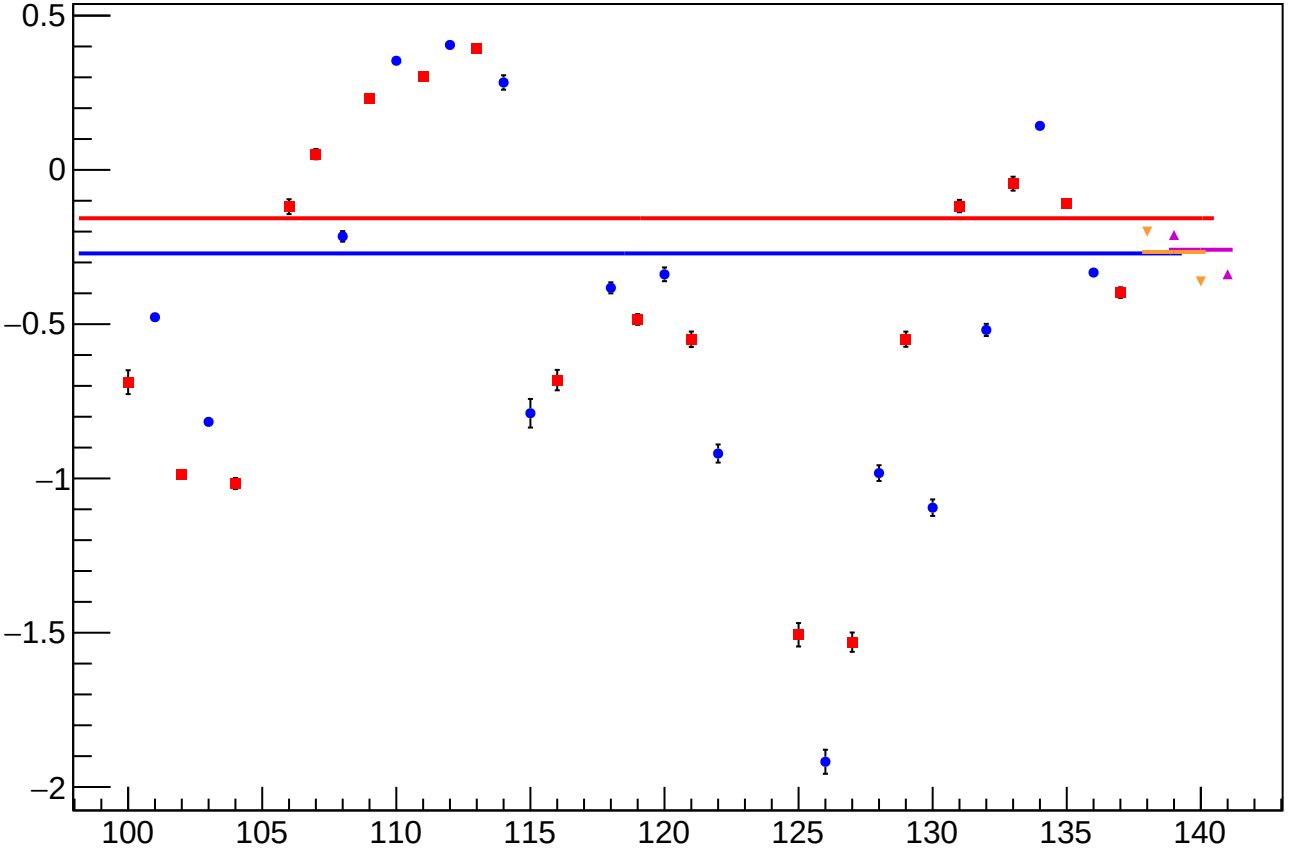
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.398+/-0.064 χ^2/NDF:6484.1/17

Out: -1.530+/-0.060 χ^2/NDF:2492.1/19

All: -1.001+/-0.044 χ^2/NDF: 9142.2/37

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.266+/-0.006 χ^2/NDF:159.6/1

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.259+/-0.006 χ^2/NDF:115.0/1

Left: -0.262+/-0.004 χ^2/NDF: 275.3/3

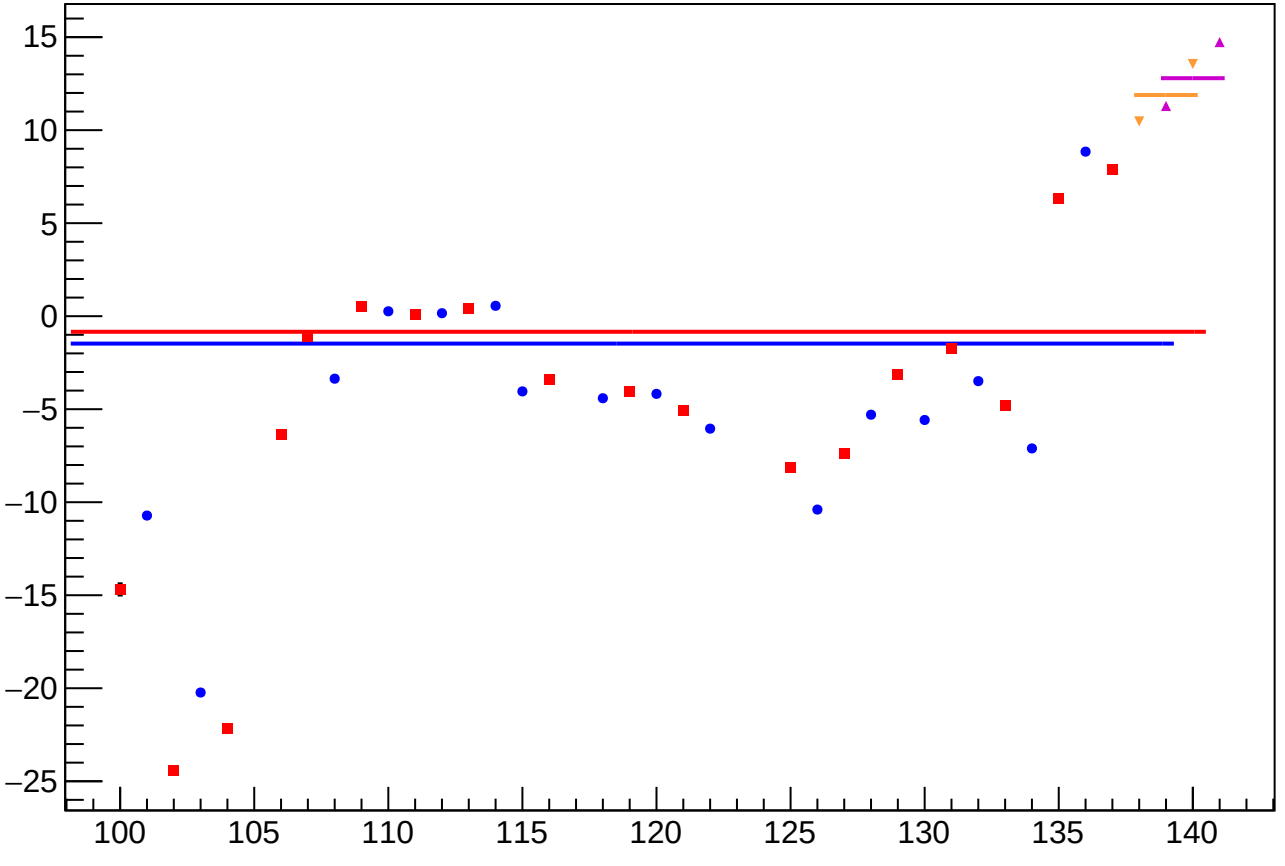
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.267+/-0.003 χ^2/NDF:12213.9/17

Out: -0.186+/-0.003 χ^2/NDF:15400.0/19

All: -0.225+/-0.002 χ^2/NDF: 27911.9/37

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 11.889+/-0.051 χ^2/NDF:922.7/1

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 12.794+/-0.050 χ^2/NDF:1148.1/1

Left: 12.345+/-0.036 χ^2/NDF: 2231.8/3

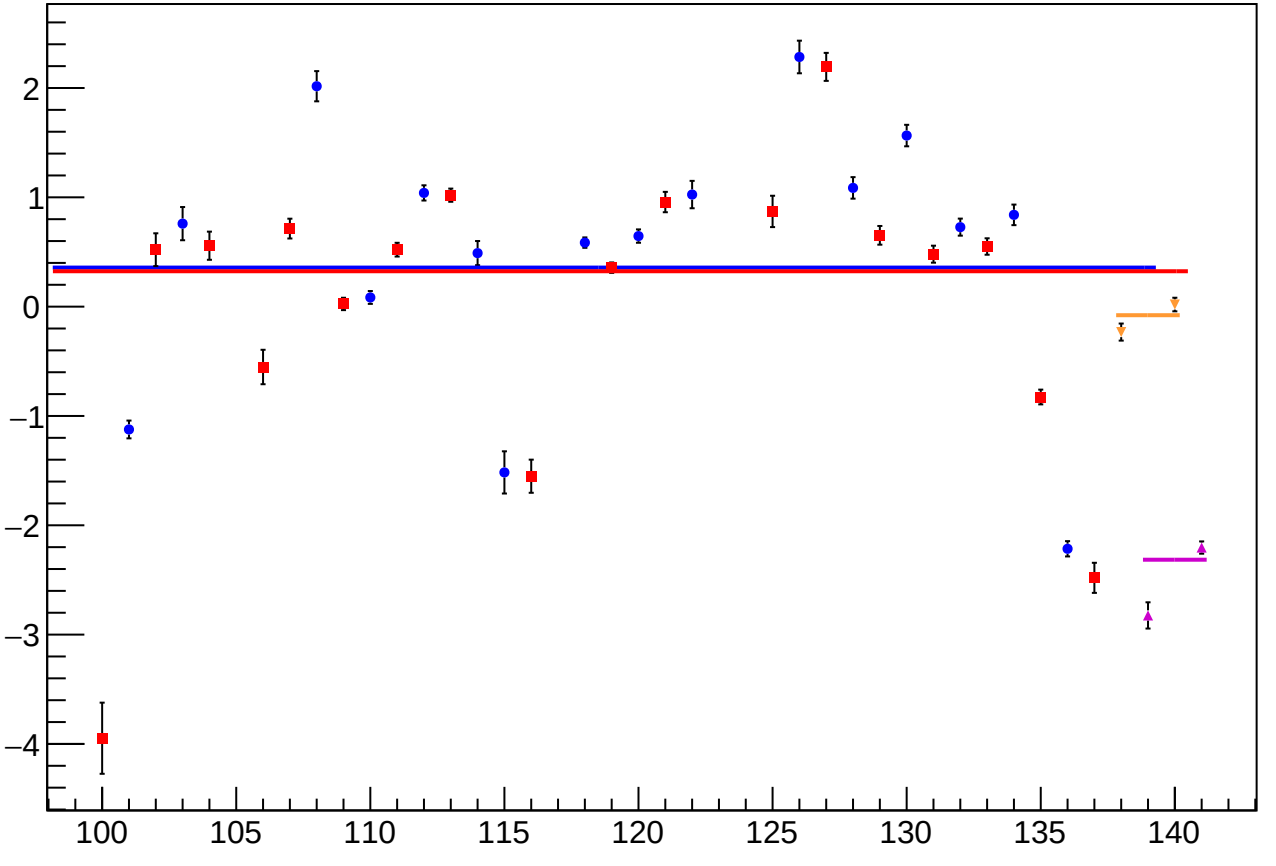
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.269+/-0.018 χ^2/NDF:145669.3/17

Out: 0.321+/-0.015 χ^2/NDF:136345.1/19

All: 0.298+/-0.012 χ^2/NDF: 282019.4/37

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.078+/-0.049 χ^2/NDF:6.4/1

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -2.315+/-0.051 χ^2/NDF:22.0/1

Left: -1.147+/-0.035 χ^2/NDF: 1039.2/3

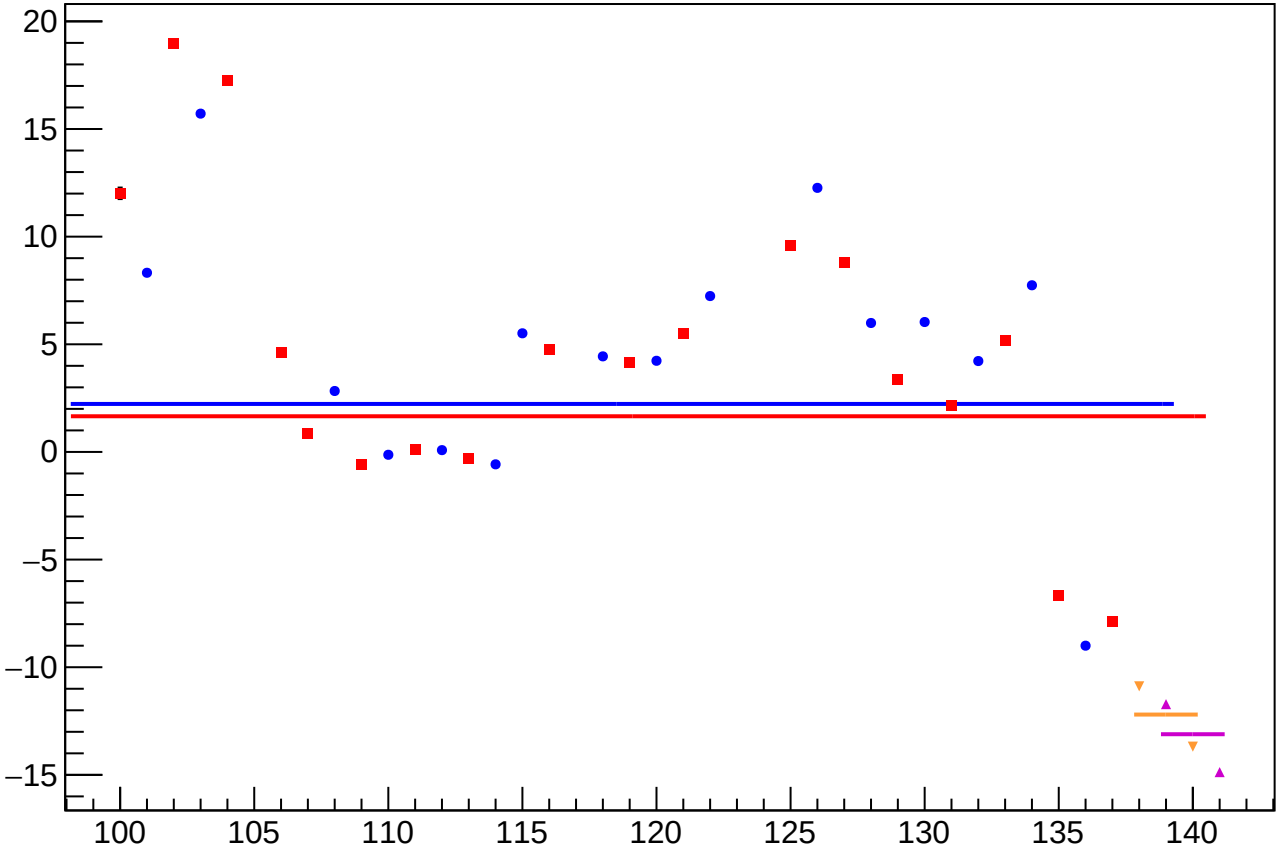
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: -0.019+/-0.019 χ^2/NDF:4938.3/17

Out: 0.267+/-0.018 χ^2/NDF:1624.1/19

All: 0.130+/-0.013 χ^2/NDF: 6679.8/37

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -12.199+/-0.053 χ^2/NDF:707.9/1

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -13.112+/-0.052 χ^2/NDF:909.9/1

Left: -12.660+/-0.037 χ^2/NDF: 1770.4/3

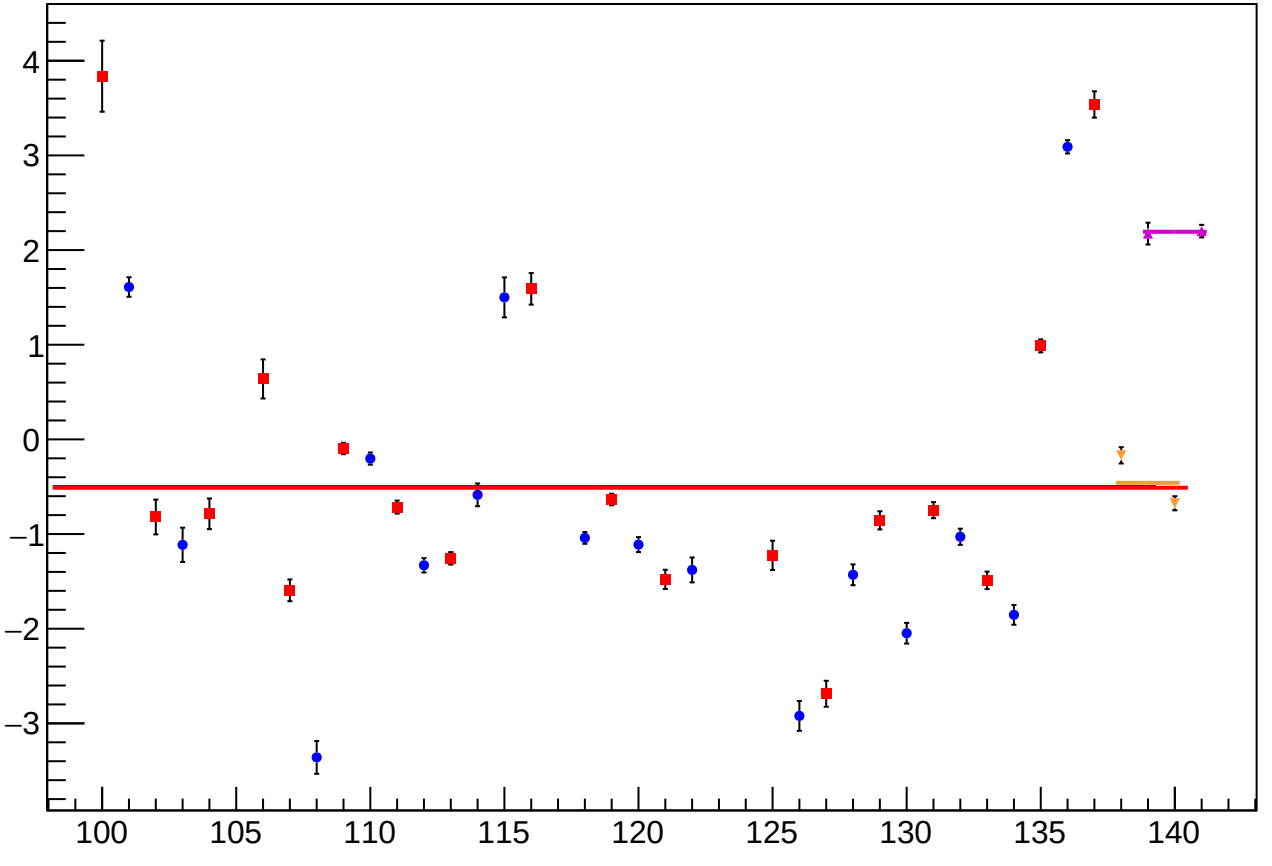
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.147+/-0.020 χ^2/NDF:143663.8/17

Out: -0.166+/-0.019 χ^2/NDF:133911.2/19

All: -0.157+/-0.014 χ^2/NDF: 277575.5/37

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.459+/-0.056 χ^2/NDF:19.9/1

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 2.193+/-0.058 χ^2/NDF:0.0/1

Left: 0.836+/-0.040 χ^2/NDF: 1105.7/3

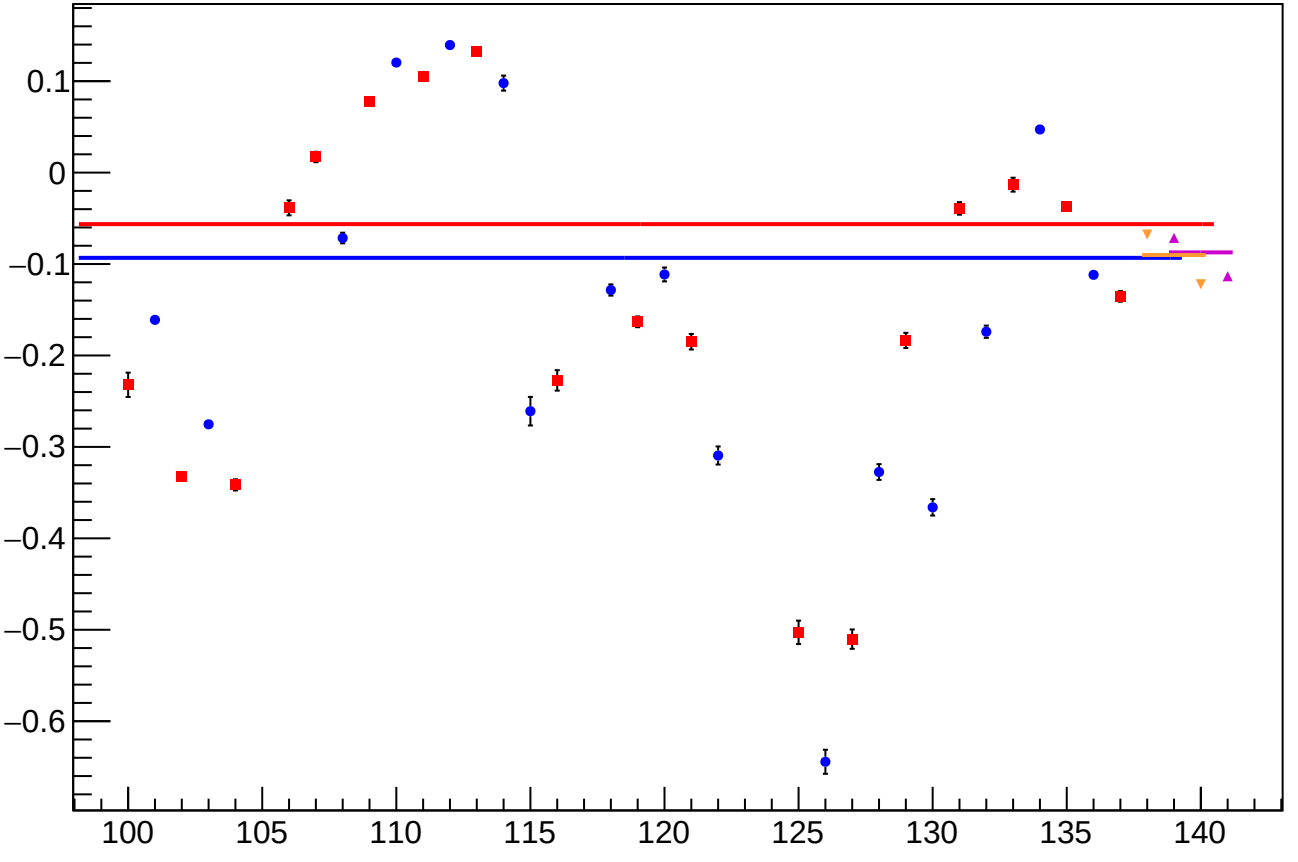
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.113+/-0.022 χ^2/NDF:6322.6/17

Out: -0.504+/-0.021 χ^2/NDF:2444.6/19

All: -0.319+/-0.015 χ^2/NDF: 8935.2/37

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.090+/-0.002 χ^2/NDF:156.3/1

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.087+/-0.002 χ^2/NDF:108.4/1

Left: -0.089+/-0.001 χ^2/NDF: 265.7/3

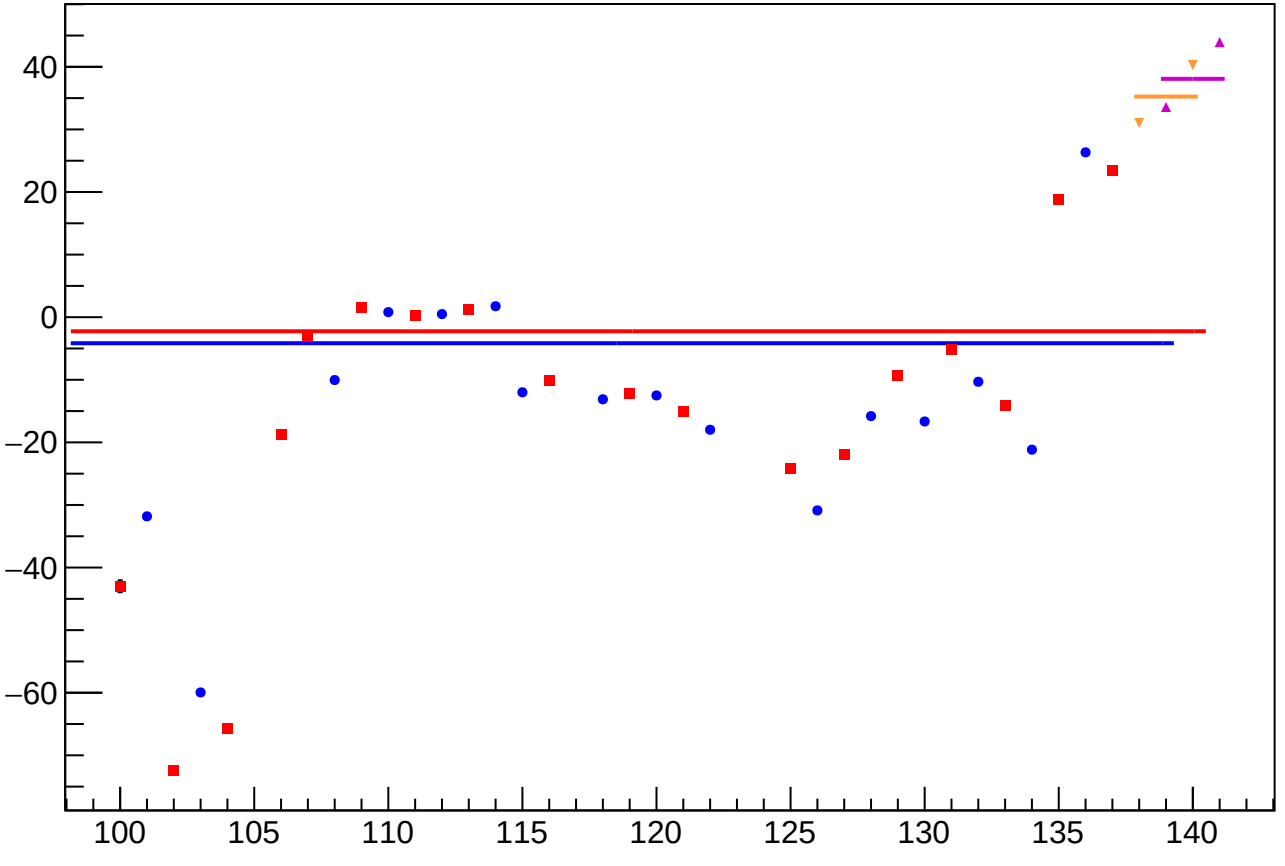
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.091+/-0.001 χ^2/NDF:11857.0/17

Out: -0.066+/-0.001 χ^2/NDF:14795.3/19

All: -0.078+/-0.001 χ^2/NDF: 26909.8/37

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 35.251+/-0.149 χ^2/NDF:960.3/1

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 38.079+/-0.148 χ^2/NDF:1208.5/1

Left: 36.673+/-0.105 χ^2/NDF: 2351.0/3

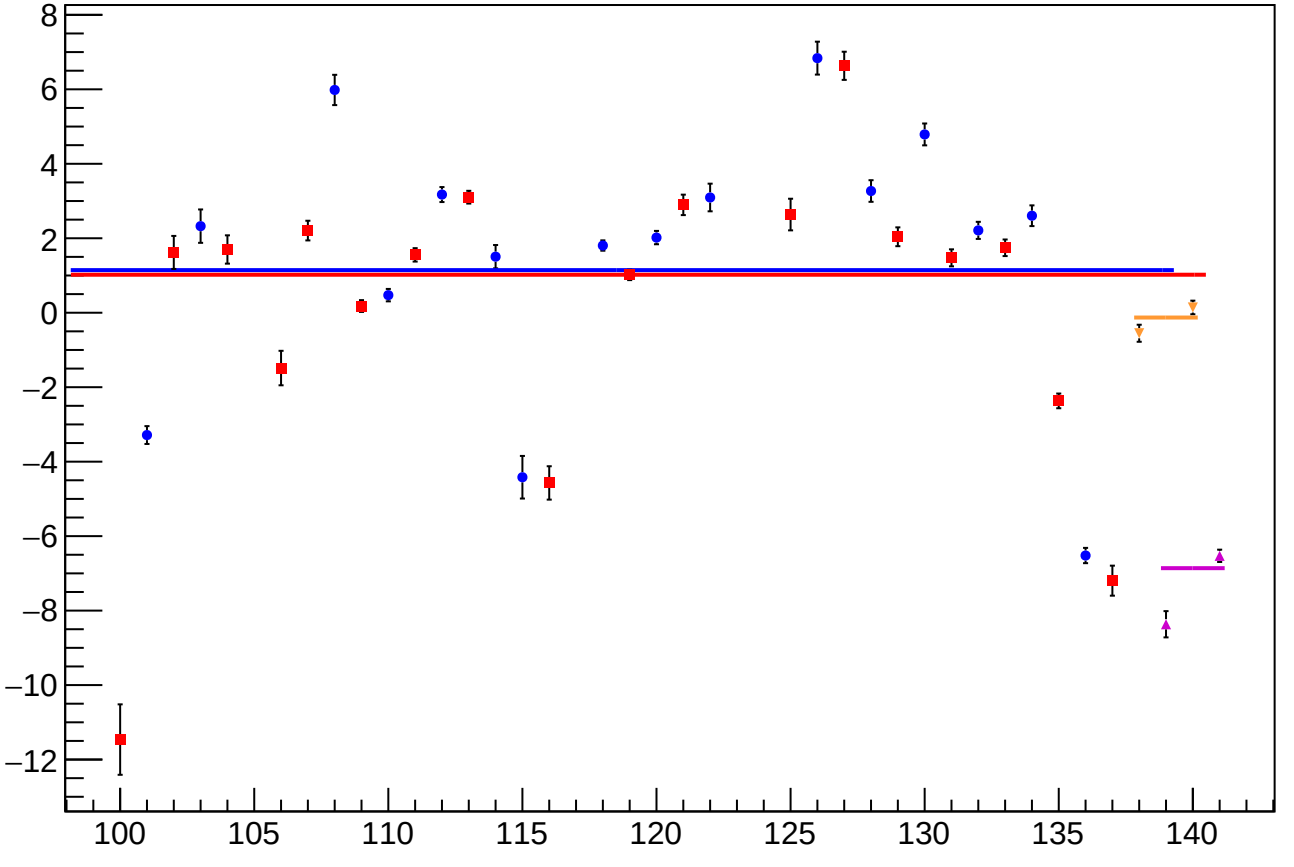
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.878+/-0.051 χ^2/NDF:148584.1/17

Out: 1.024+/-0.044 χ^2/NDF:138726.3/19

All: 0.962+/-0.033 χ^2/NDF: 287315.1/37

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -0.129+/-0.143 χ^2/NDF:5.6/1

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -6.860+/-0.150 χ^2/NDF:22.3/1

Left: -3.337+/-0.103 χ^2/NDF: 1085.2/3

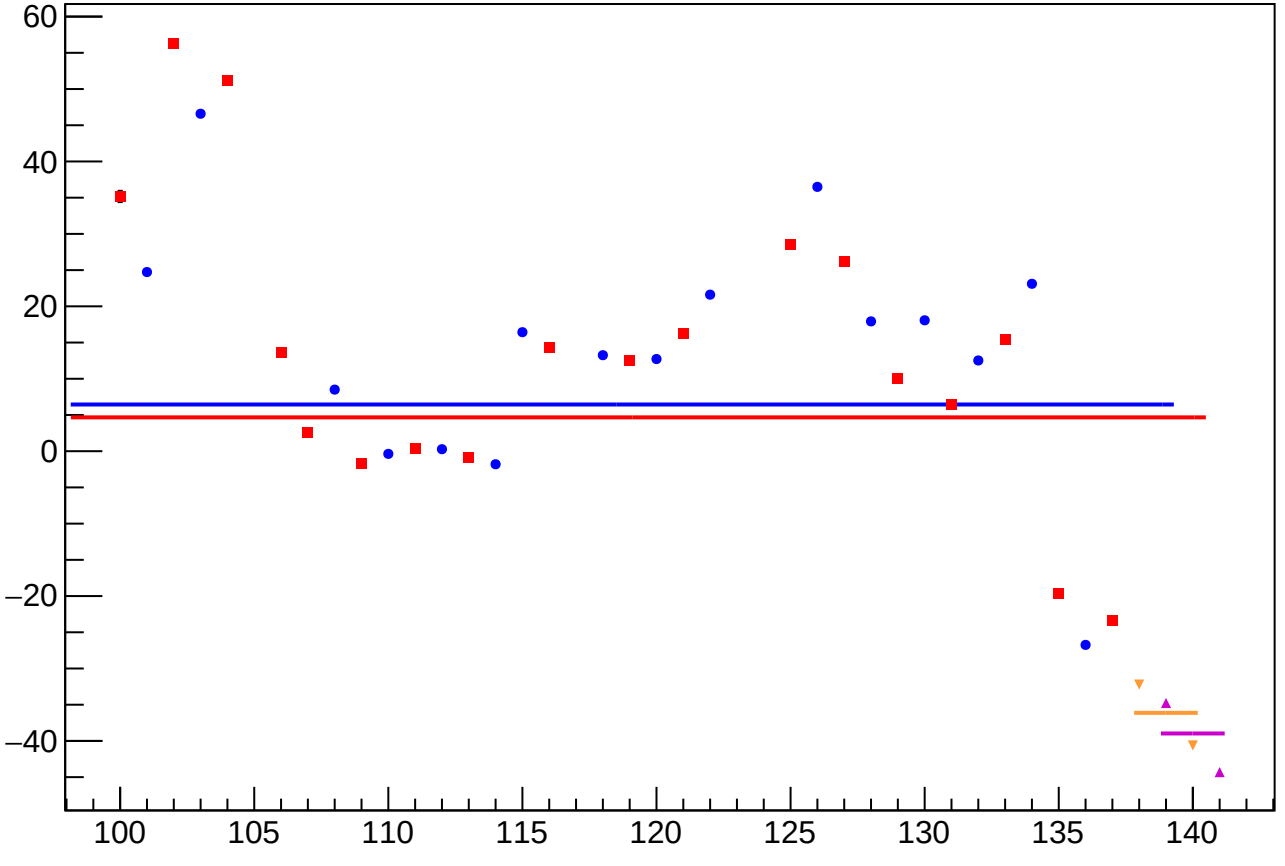
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.033+/-0.056 χ^2/NDF:5077.9/17

Out: 0.862+/-0.053 χ^2/NDF:1652.6/19

All: 0.468+/-0.038 χ^2/NDF: 6846.5/37

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -36.123+/-0.154 χ^2/NDF:738.7/1

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -38.970+/-0.153 χ^2/NDF:960.4/1

Left: -37.558+/-0.109 χ^2/NDF: 1870.9/3

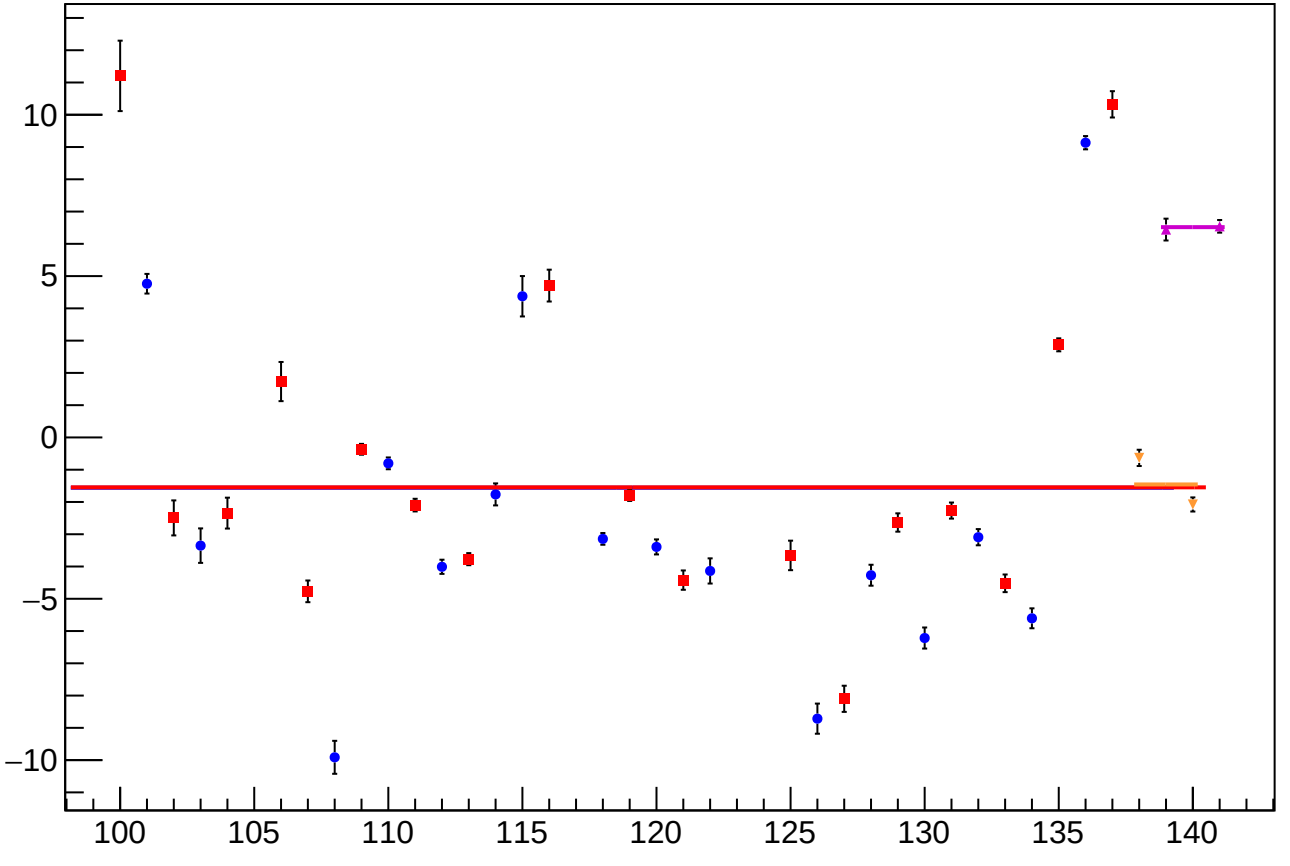
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.480+/-0.060 χ^2/NDF:146507.9/17

Out: -0.542+/-0.055 χ^2/NDF:136226.4/19

All: -0.513+/-0.041 χ^2/NDF: 282734.8/37

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.457+/-0.165 χ^2/NDF:18.7/1

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 6.517+/-0.170 χ^2/NDF:0.1/1

Left: 2.426+/-0.118 χ^2/NDF: 1153.1/3

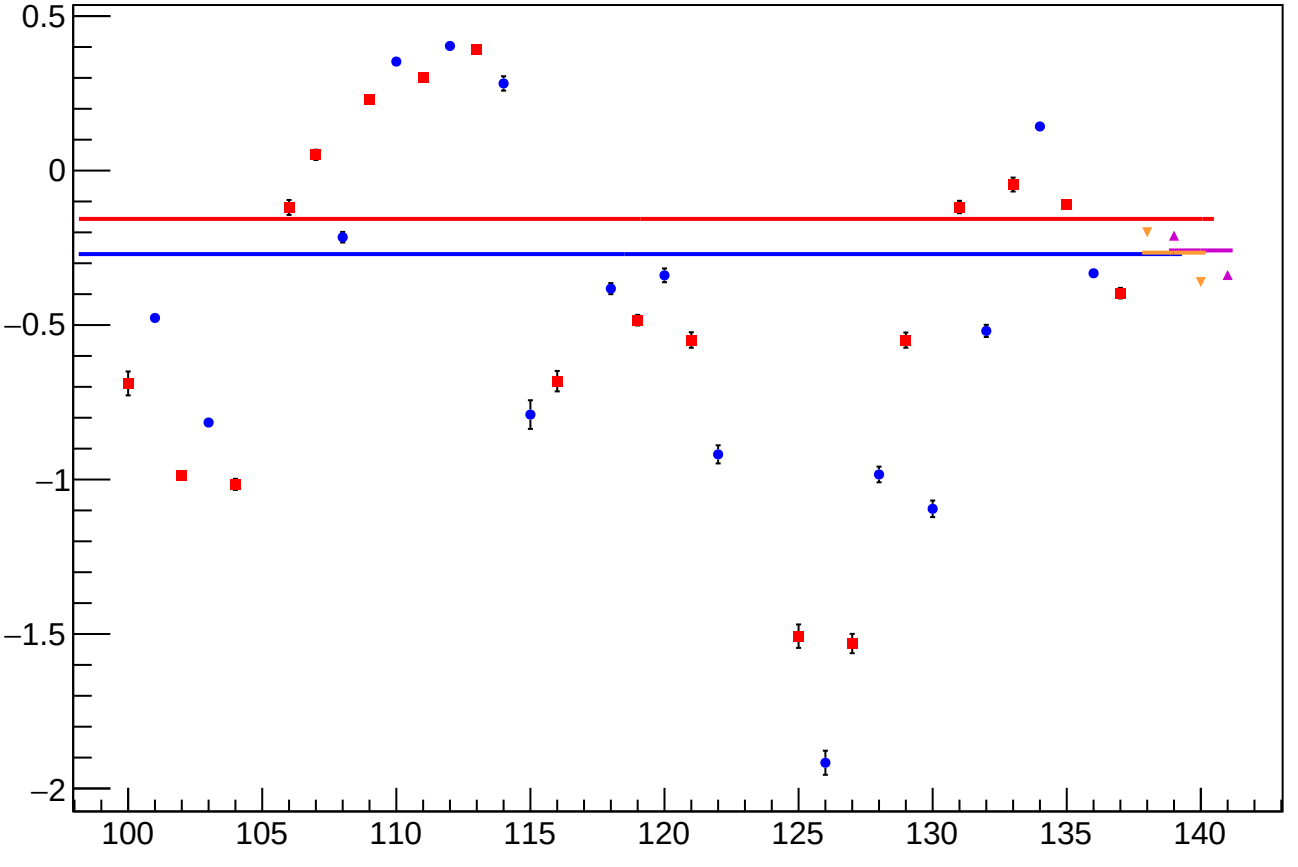
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.405+/-0.064 χ^2/NDF:6486.6/17

Out: -1.535+/-0.060 χ^2/NDF:2489.0/19

All: -1.006+/-0.044 χ^2/NDF: 9141.0/37

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.266+/-0.006 χ^2/NDF:159.5/1

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.259+/-0.006 χ^2/NDF:115.5/1

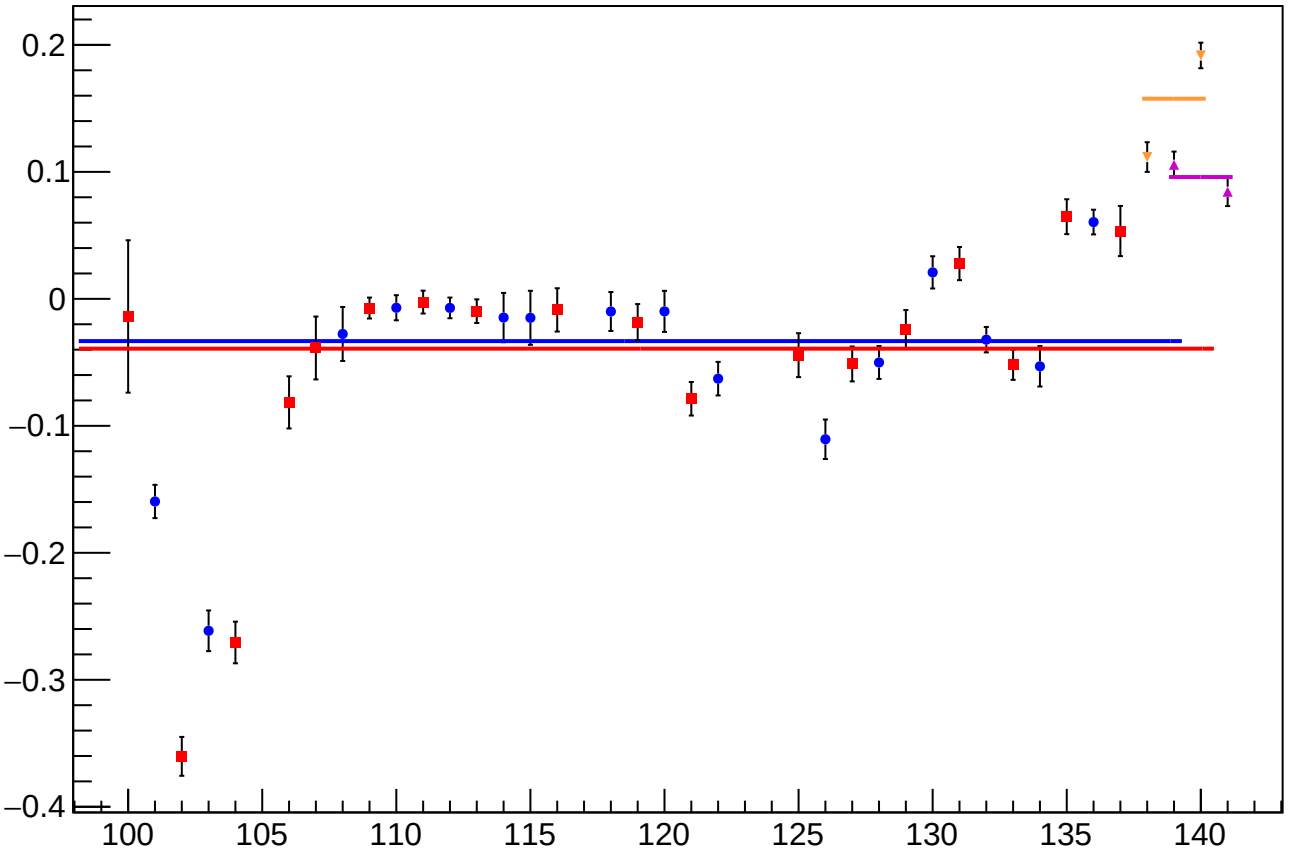
Left: -0.262+/-0.004 χ^2/NDF: 275.7/3

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.266+/-0.003 χ^2/NDF:12215.1/17

Out: -0.186+/-0.003 χ^2/NDF:15411.2/19

All: -0.225+/-0.002 χ^2/NDF: 27925.5/37



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.158+/-0.008 χ^2/NDF:26.9/1

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.096+/-0.008 χ^2/NDF:1.9/1

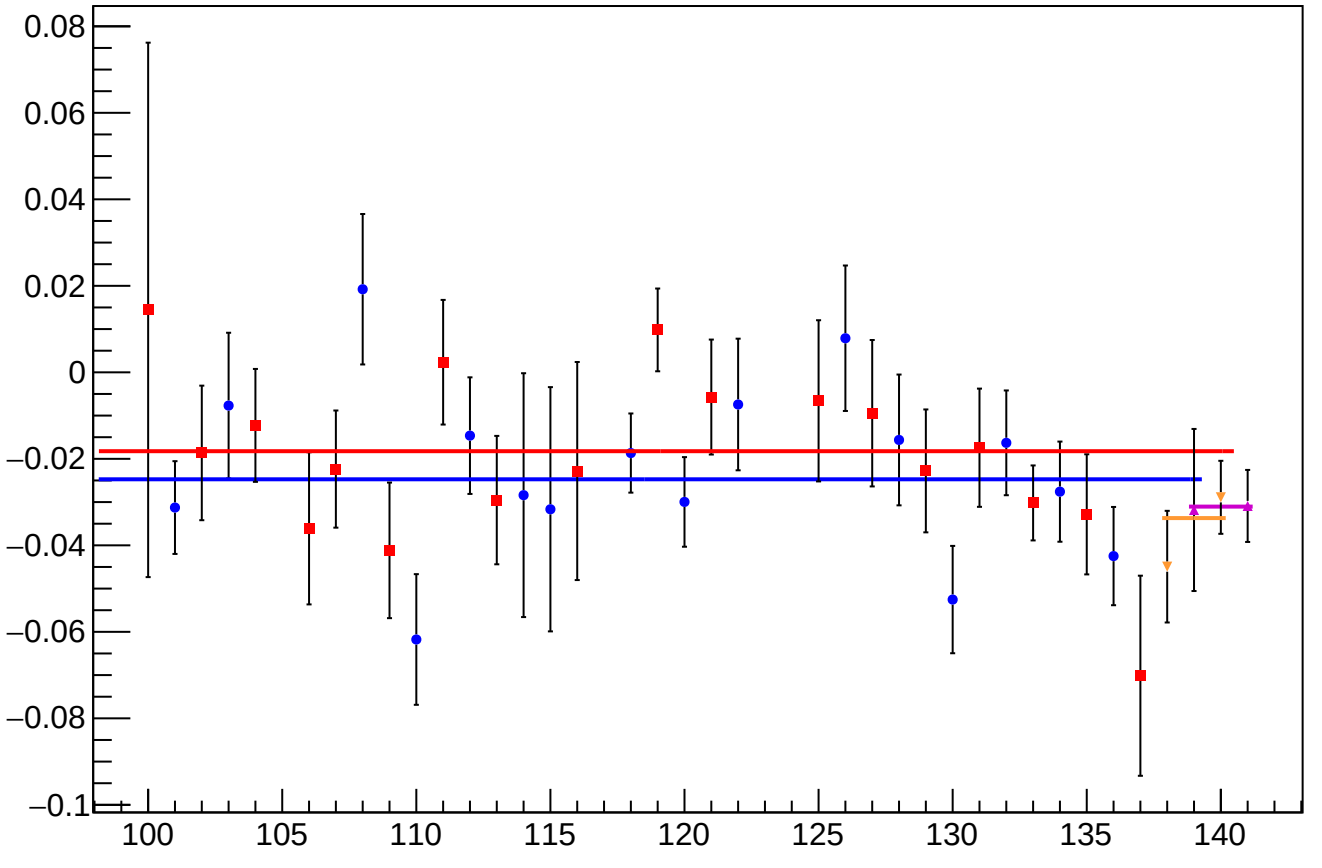
Left: 0.127+/-0.005 χ^2/NDF: 61.4/3

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.014+/-0.003 χ^2/NDF:708.3/17

Out: -0.010+/-0.003 χ^2/NDF:1401.6/19

All: -0.012+/-0.002 χ^2/NDF: 2110.8/37



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.034+/-0.007 χ^2/NDF:1.1/1

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.008 χ^2/NDF:0.0/1

Left: -0.032+/-0.005 χ^2/NDF: 1.1/3

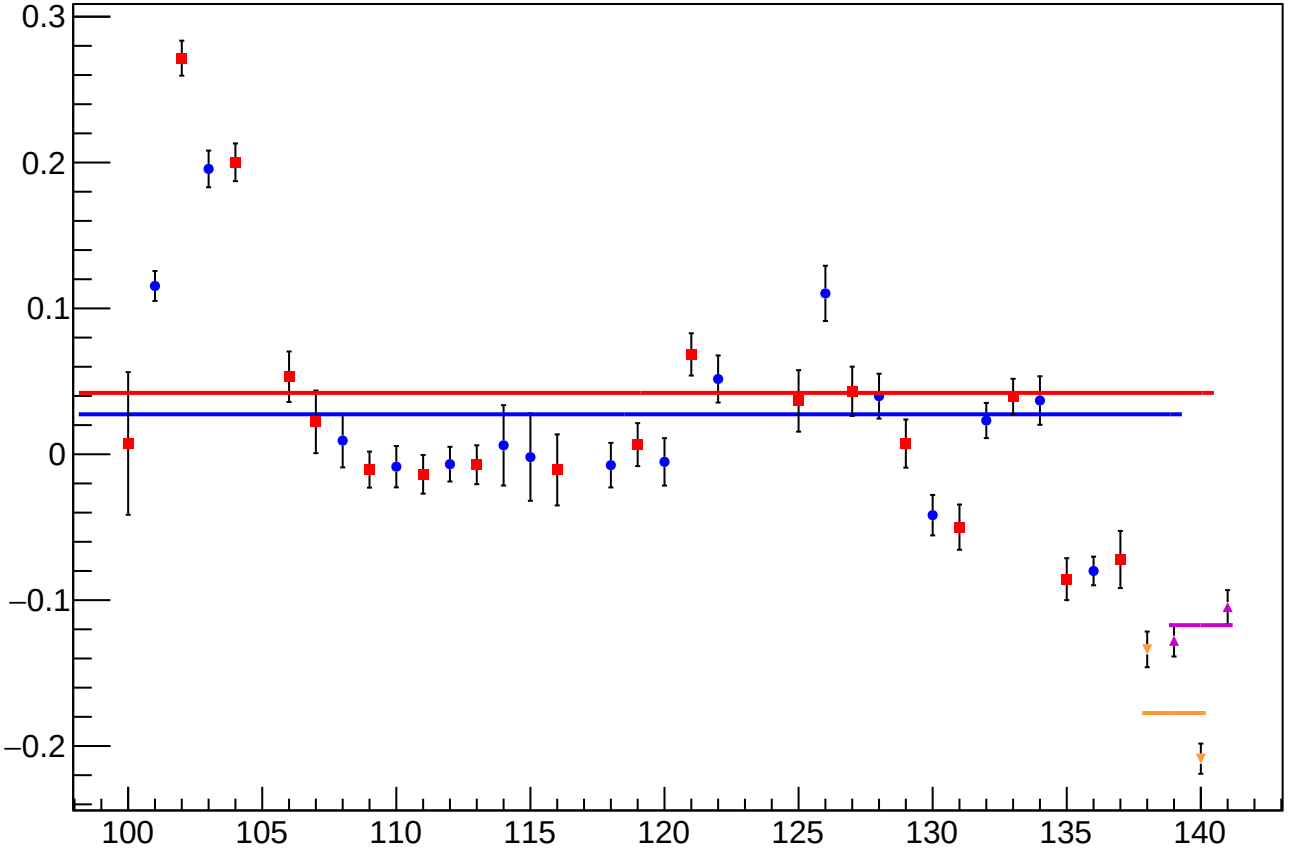
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.026+/-0.003 χ^2/NDF:29.1/17

Out: -0.021+/-0.003 χ^2/NDF:29.7/19

All: -0.023+/-0.002 χ^2/NDF: 60.0/37

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.177+/-0.008 χ^2/NDF:21.9/1

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.117+/-0.008 χ^2/NDF:2.1/1

Left: -0.147+/-0.006 χ^2/NDF: 53.1/3

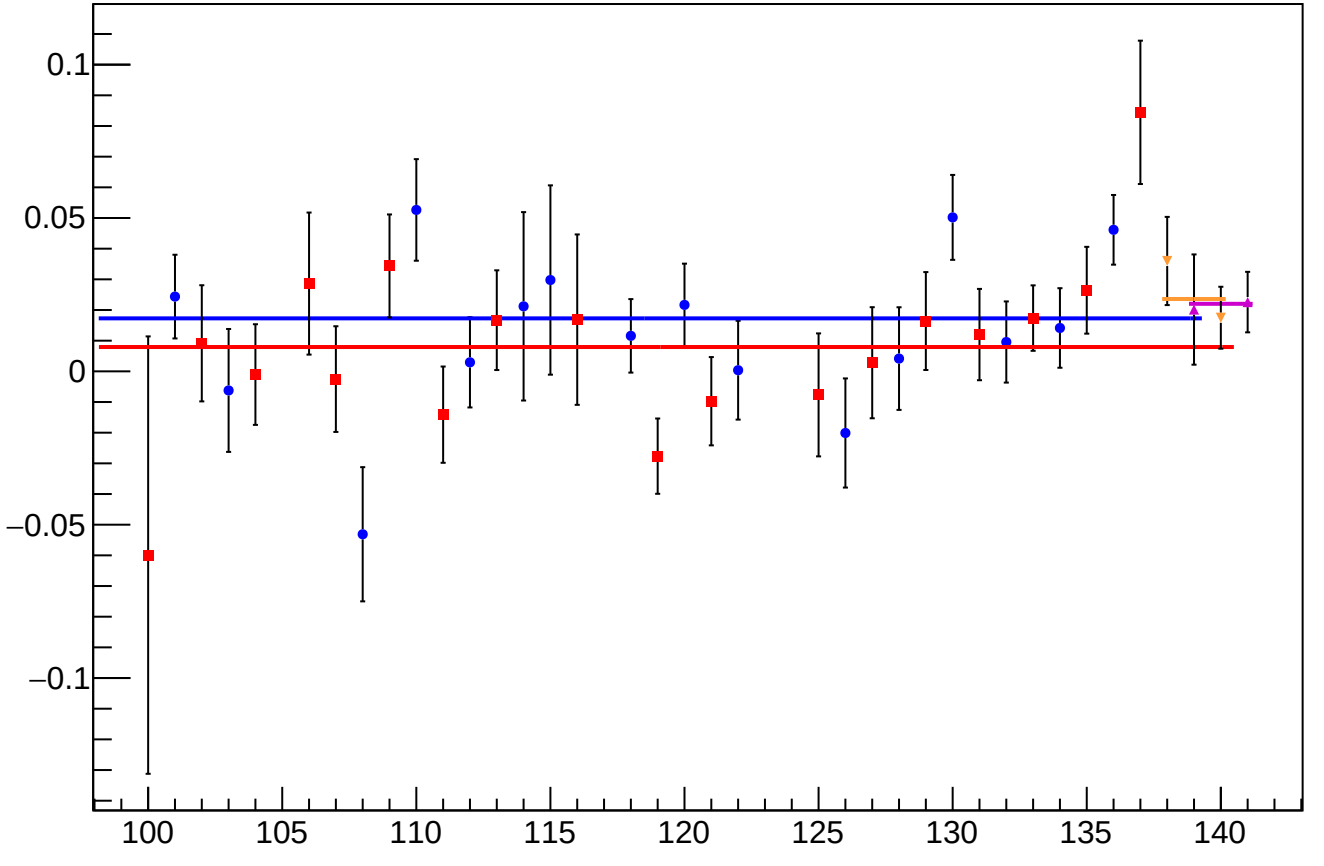
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: 0.003+/-0.003 χ^2/NDF:725.8/17

Out: 0.004+/-0.003 χ^2/NDF:1392.0/19

All: 0.003+/-0.002 χ^2/NDF: 2117.9/37

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.024+/-0.008 χ^2/NDF:1.1/1

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.022+/-0.009 χ^2/NDF:0.0/1

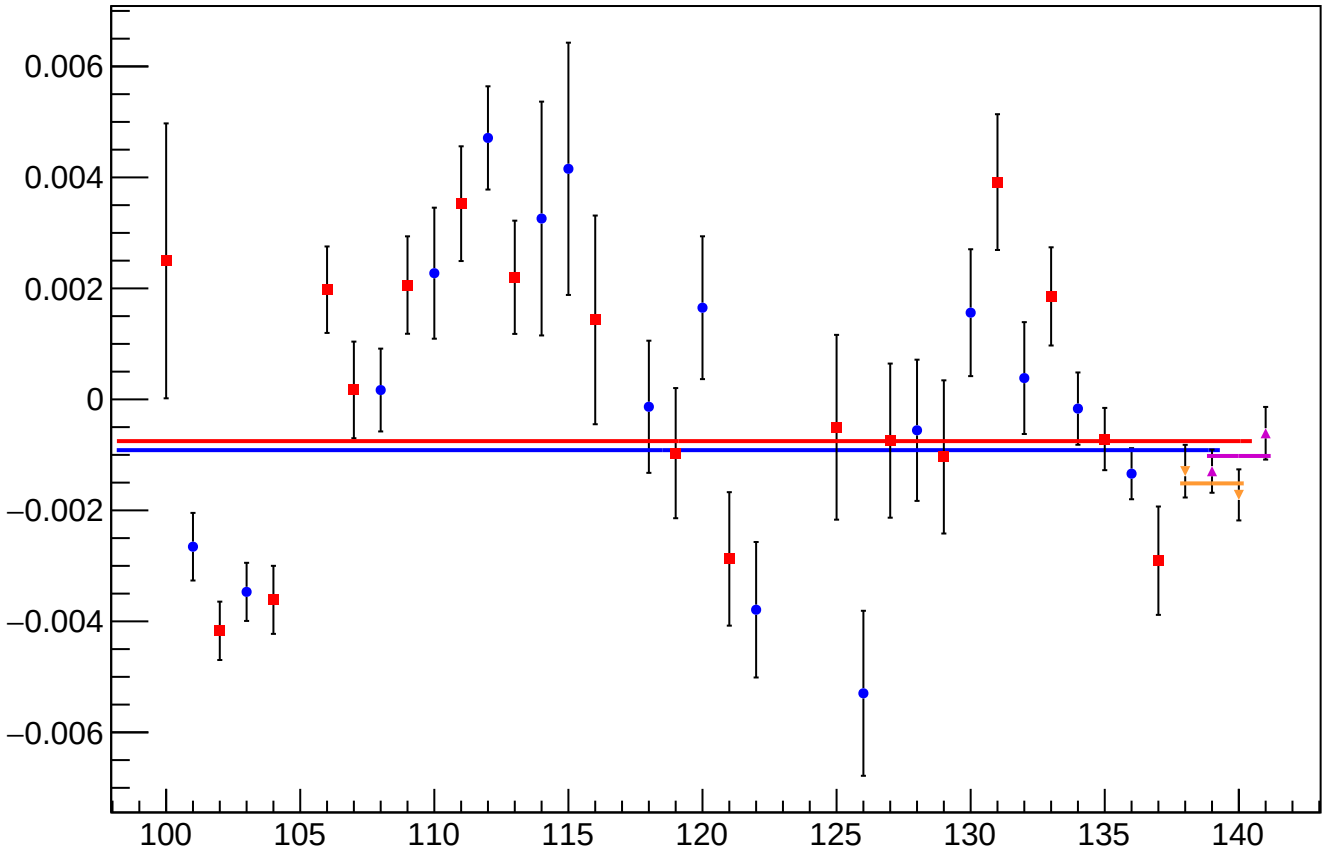
Left: 0.023+/-0.006 χ^2/NDF: 1.1/3

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.018+/-0.004 χ^2/NDF:36.9/17

Out: 0.011+/-0.004 χ^2/NDF:35.4/19

All: 0.014+/-0.002 χ^2/NDF: 74.5/37



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.002+/-0.000 χ^2/NDF:0.4/1

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.001+/-0.000 χ^2/NDF:1.2/1

Left: -0.001+/-0.000 χ^2/NDF: 2.9/3

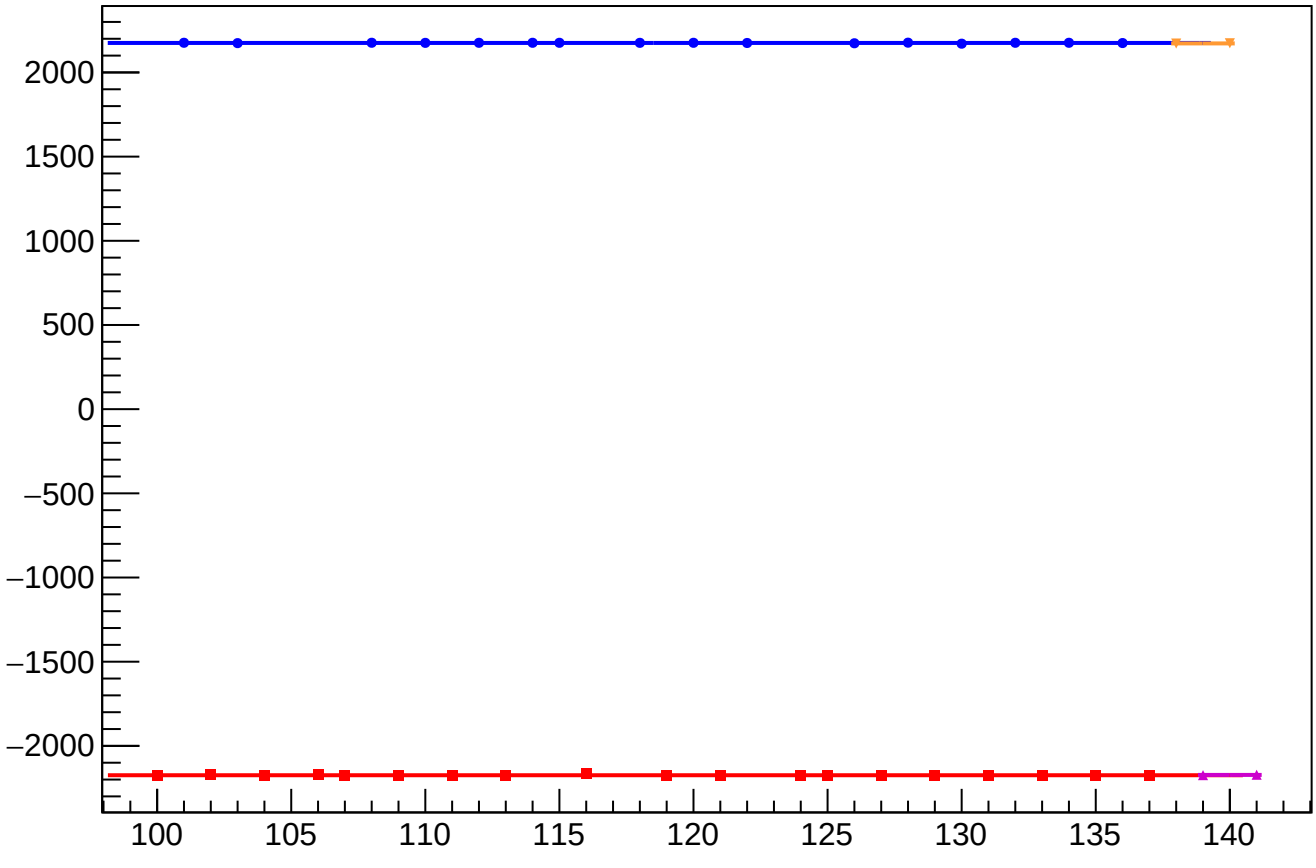
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:115.4/17

Out: -0.001+/-0.000 χ^2/NDF:151.8/19

All: -0.001+/-0.000 χ^2/NDF: 267.2/37

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2172.424+/-0.000 χ^2/NDF:1107588993310133601346520046632 96.0/1

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2172.503+/-0.000 χ^2/NDF:254481742495258749255308678266880.0/1

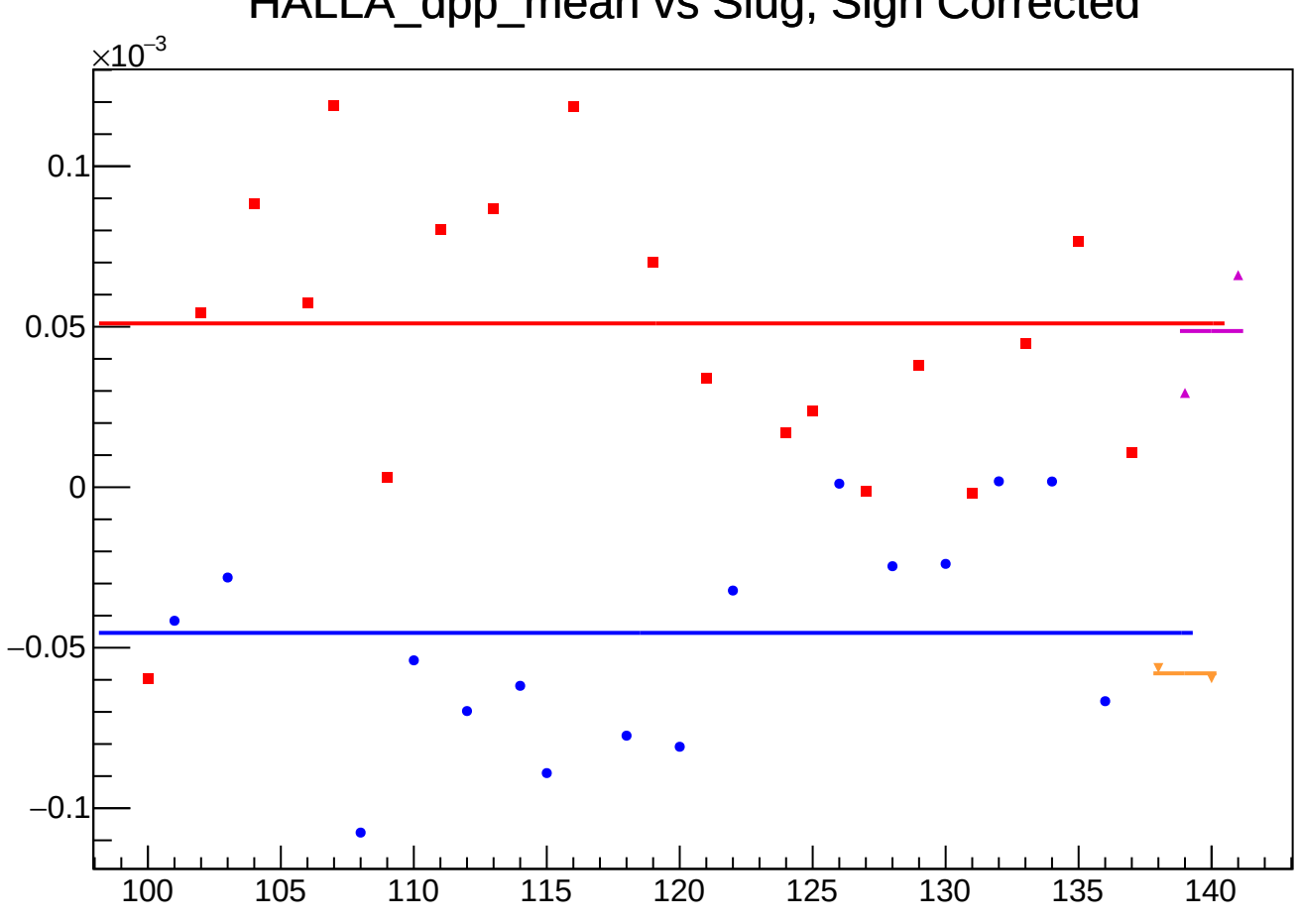
Left: -56.712+/-0.000 χ^2/NDF: 1627153436780364

Right: -31.373+/-0.000 χ^2/NDF: 711179104907611

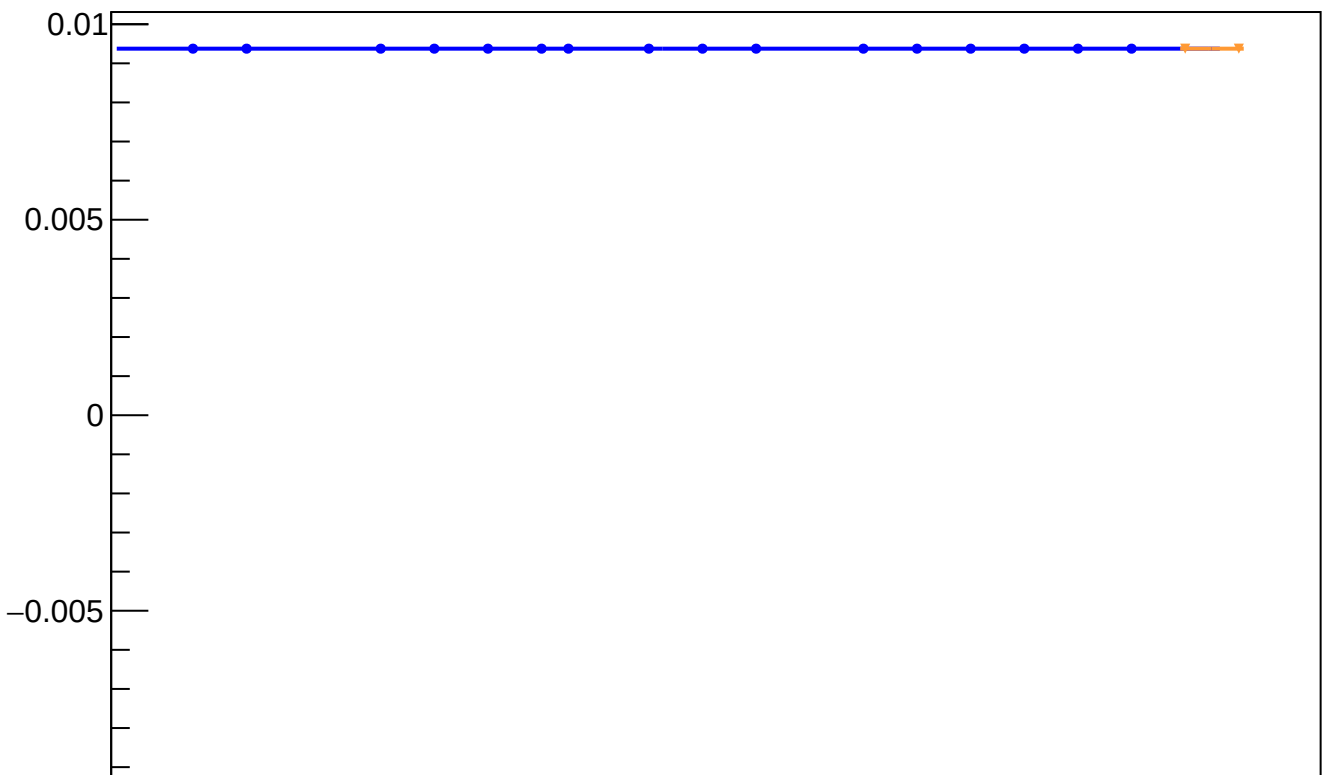
In: 1336.918+/-0.000 χ^2/NDF:270065424800788

Out: -1389.948+/-0.000 χ^2/NDF:26014413275638

All: -36.101+/-0.000 χ^2/NDF: 873912466736


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:4274265136885750824960.0/1
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:5943470580267303200358400.0/1
Left: -0.000+/-0.000 χ²/NDF: 10402660628050149
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: -0.000+/-0.000 χ²/NDF:203622168289672510
Out: 0.000+/-0.000 χ²/NDF:264876353005822658
All: 0.000+/-0.000 χ²/NDF: 627260030278130

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/1

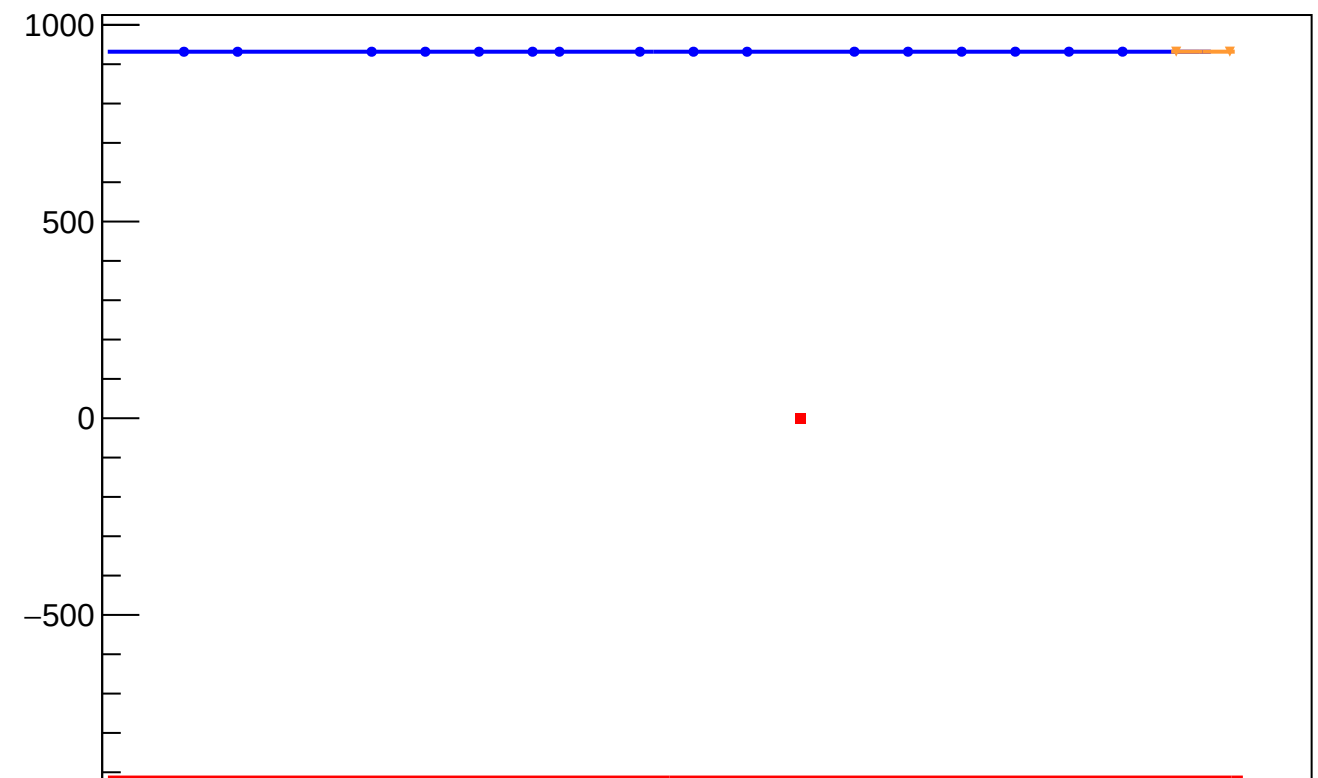
Left: -0.000+/-0.000 χ^2/NDF: 30301630434782509

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

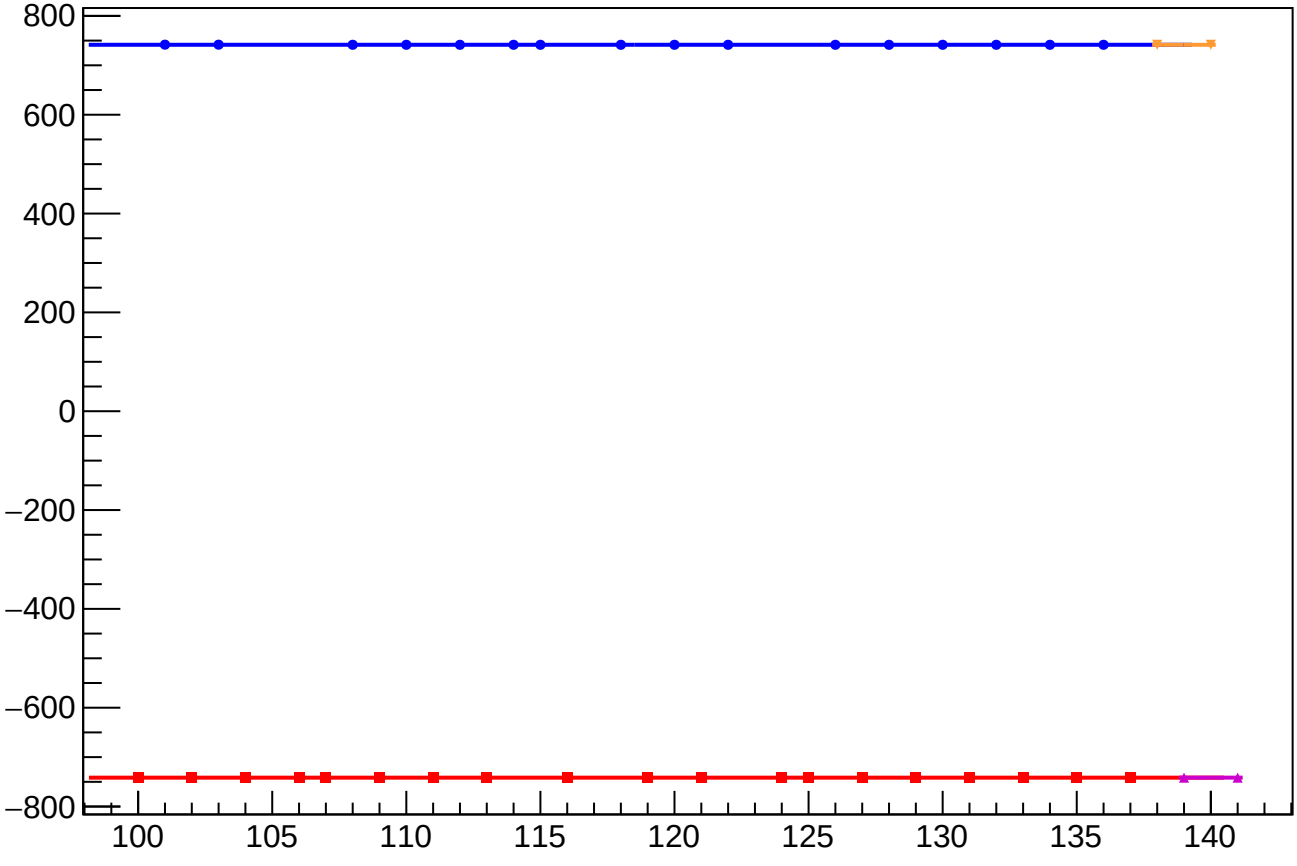
In: 0.006+/-0.000 χ^2/NDF:502286305147057960

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: -0.000+/-0.000 χ^2/NDF: 1624640853163


HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
105
110
115
120
125
130
135
140
Right In: 931.769+/-0.000 χ²/NDF: 2757217223595001187167685836800.0/15
Left Out: 931.871+/-0.000 χ²/NDF:12227965787094242730388226048.0/1
Right Out: -913.447+/-0.000 χ²/NDF: 1276587963509443568349188651882433740 8.0/18
Left In: -931.872+/-0.000 χ²/NDF:18601691247532760569437224 96.0/1
Left: -24.310+/-0.000 χ²/NDF: 2993887035035868
Right: -4.335+/-0.000 χ²/NDF: 1292705120140630
In: 572.440+/-0.000 χ²/NDF:4962187573862666
Out: -580.457+/-0.000 χ²/NDF:481608011744829
All: -8.062+/-0.000 χ²/NDF: 159220579851 8

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.524+/-0.000 χ^2/NDF:308550455613431814854331596 8.0/1

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: -741.527+/-0.000 χ^2/NDF:201194220247773143282116198 4.0/1

Left: -19.346+/-0.000 χ^2/NDF: 1895725360795880

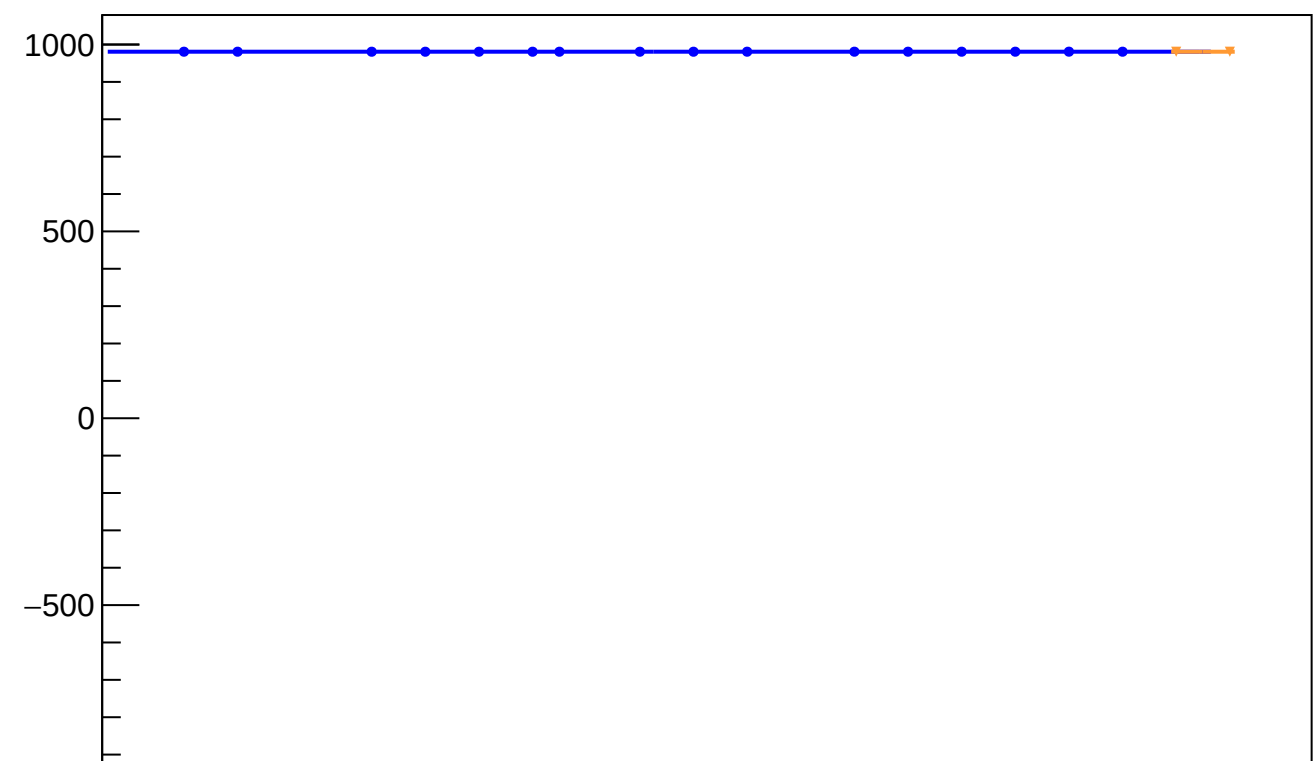
Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: 455.612+/-0.000 χ^2/NDF:3142586042941990

Out: -473.950+/-0.000 χ^2/NDF:302848429290958

All: -12.436+/-0.000 χ^2/NDF: 101651088833

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: -25.586+/-0.000 χ^2/NDF: 3316275189715046

Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Right: -14.307+/-0.000 χ^2/NDF: 144638600880856

Left Out: 980.761+/-0.000 χ^2/NDF:1447455080100060523032215552.0/1

In: 602.593+/-0.000 χ^2/NDF:5497367624948733

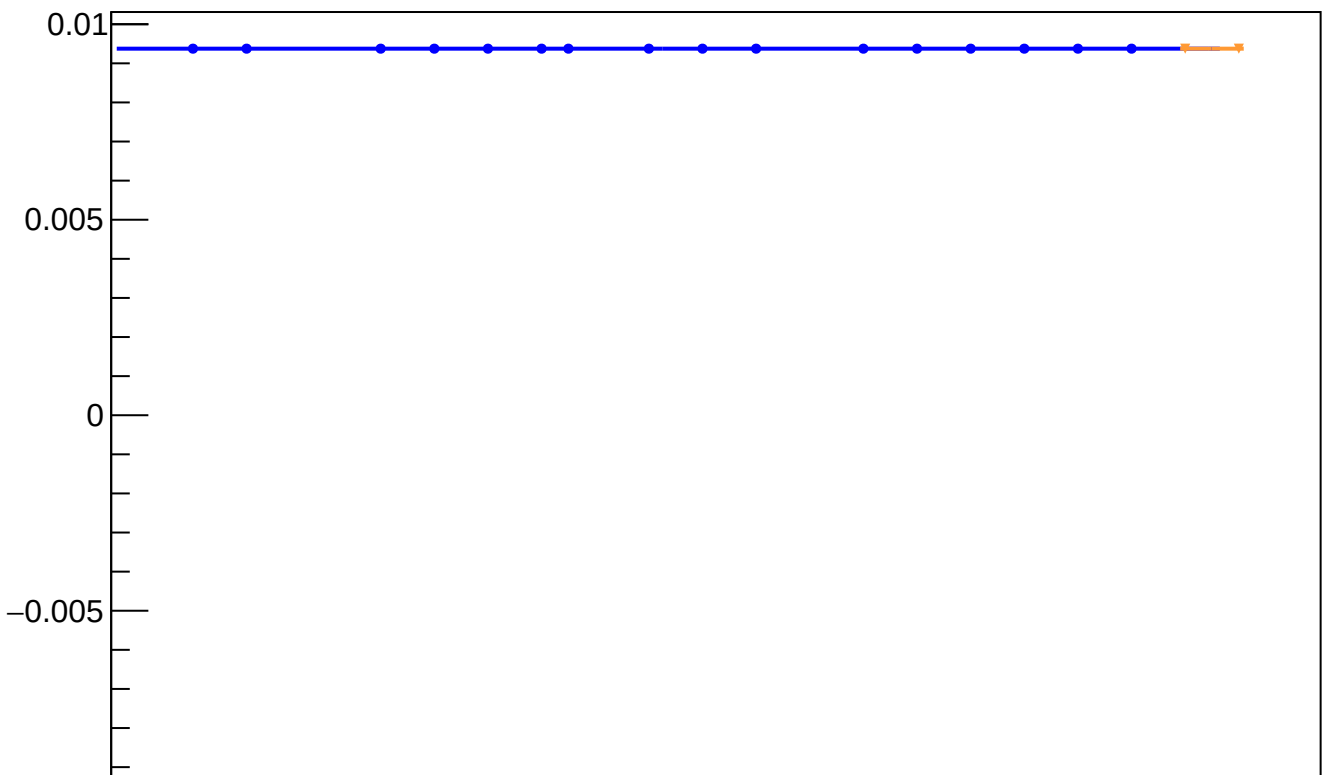
Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

Out: -626.772+/-0.000 χ^2/NDF:529730028004709

Left In: -980.762+/-0.000 χ^2/NDF:42062819278796583349308620 8.0/1

All: -16.411+/-0.000 χ^2/NDF: 17780492278

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/1

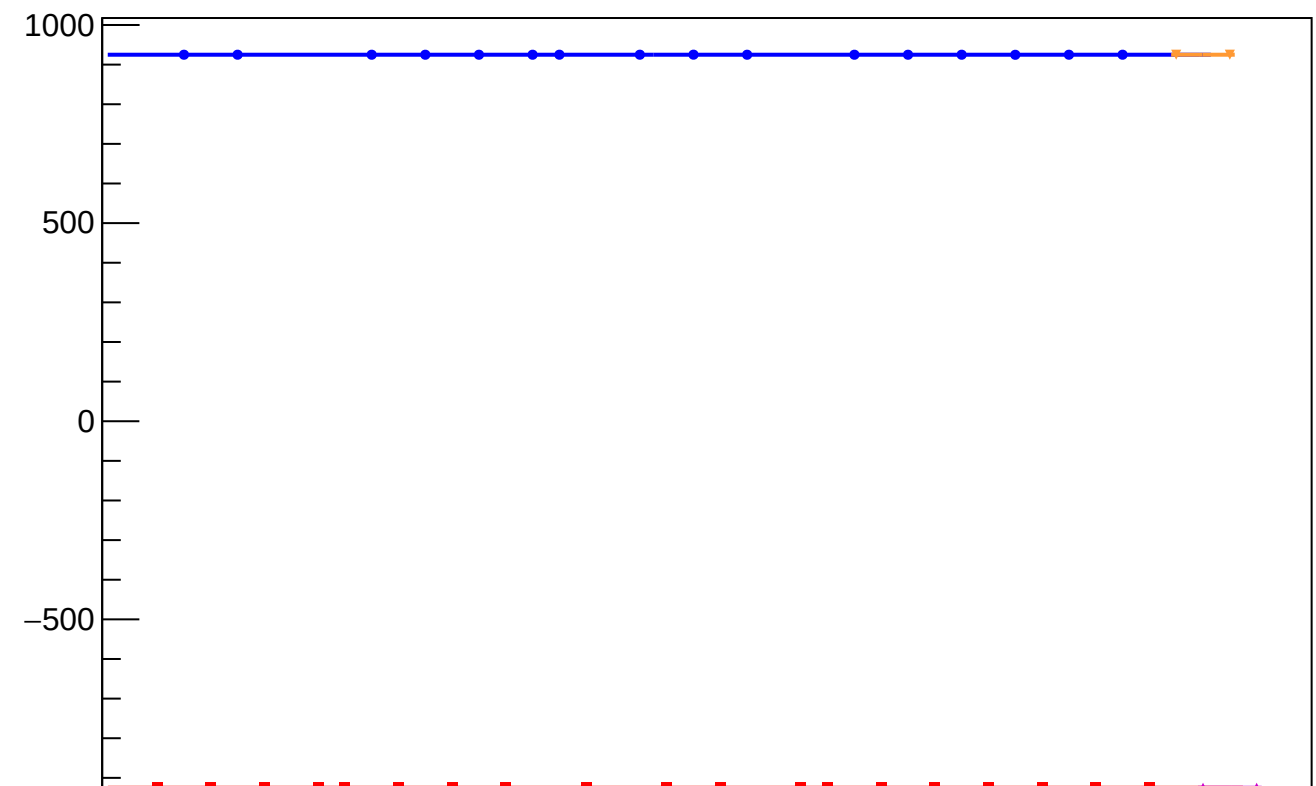
Left: -0.000+/-0.000 χ^2/NDF: 30301630434782509

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.006+/-0.000 χ^2/NDF:502286305147057960

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: -0.000+/-0.000 χ^2/NDF: 1624640853163



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.977+/-0.000 χ^2/NDF:5679155044776023492626114150 4.0/1

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.999+/-0.000 χ^2/NDF:494014806752296015755466506 24.0/1

Left: -24.142+/-0.000 χ^2/NDF: 2949820823085988

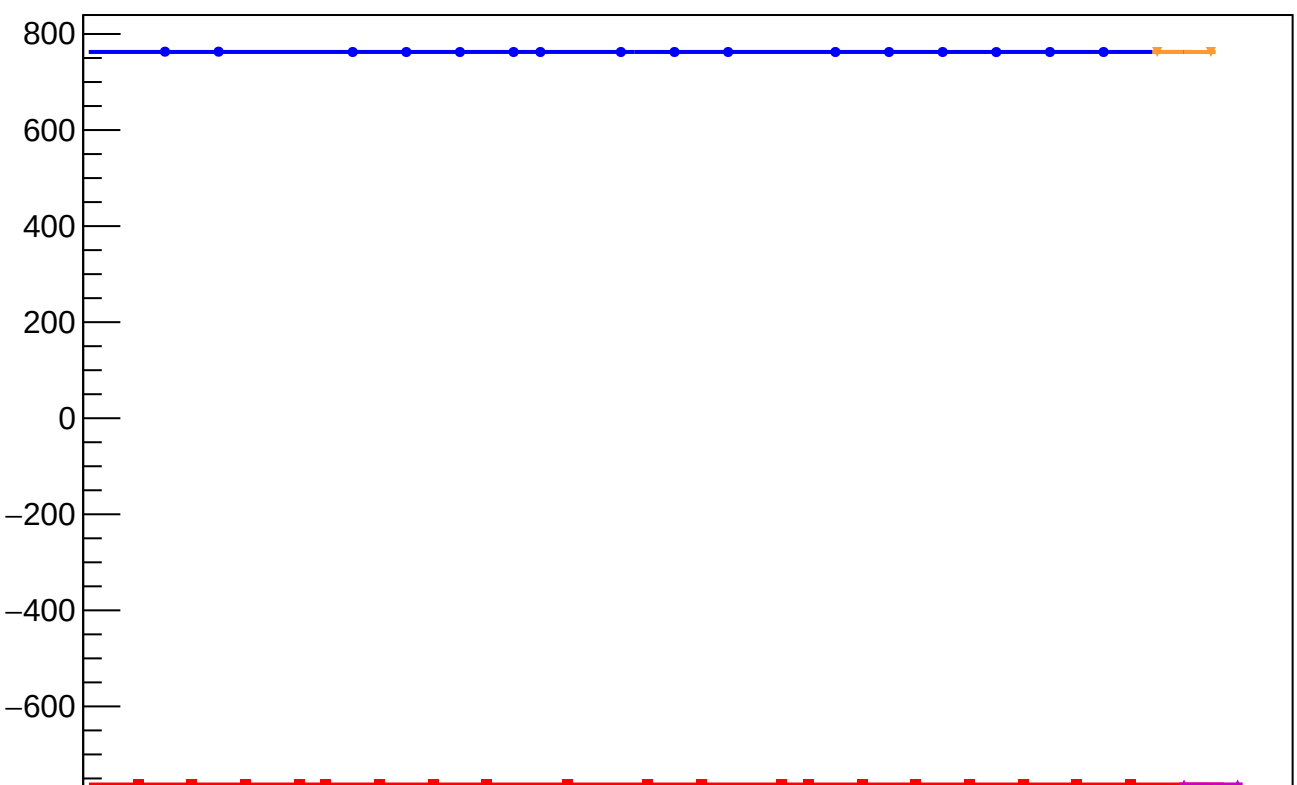
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: 568.273+/-0.000 χ^2/NDF:4889631291936982

Out: -591.148+/-0.000 χ^2/NDF:471199057690845

All: -15.513+/-0.000 χ^2/NDF: 158151521719

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: -19.890+/-0.000 χ^2/NDF: 2004443443586550

Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

Left Out: 762.493+/-0.000 χ^2/NDF:914886522788884145514741760 0.0/1

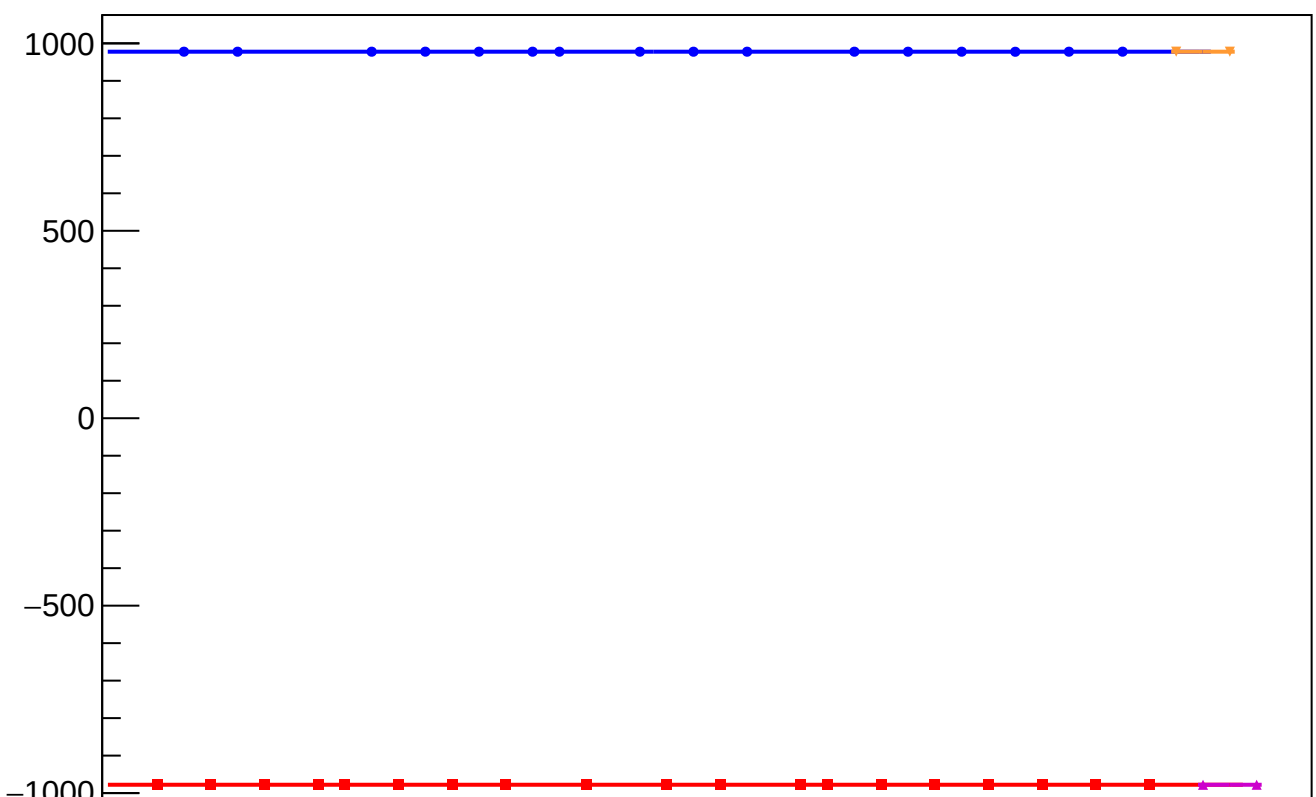
In: 468.555+/-0.000 χ^2/NDF:3323121000968461

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

Out: -487.410+/-0.000 χ^2/NDF:320248593418241

Left In: -762.490+/-0.000 χ^2/NDF:5969234072706244856374099968.0/1

All: -12.788+/-0.000 χ^2/NDF: 107497601034



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.781+/-0.000 χ^2/NDF:2558440852014624261612366725120/1

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.787+/-0.000 χ^2/NDF:4525102854733346867632427499520/1

Left: -25.510+/-0.000 χ^2/NDF: 3296169044549948

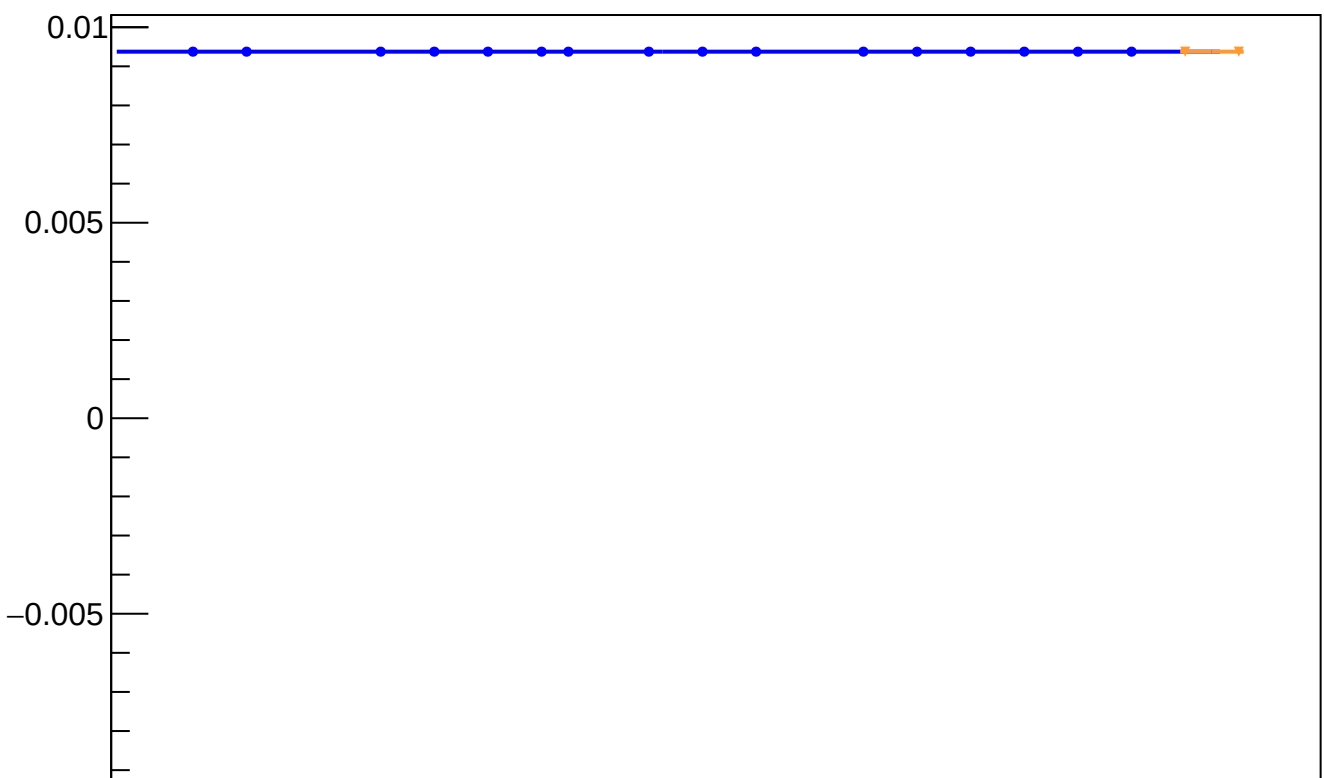
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: 600.701+/-0.000 χ^2/NDF:54636199489043317

Out: -624.870+/-0.000 χ^2/NDF:526517197103014

All: -16.393+/-0.000 χ^2/NDF: 176715594229

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/1

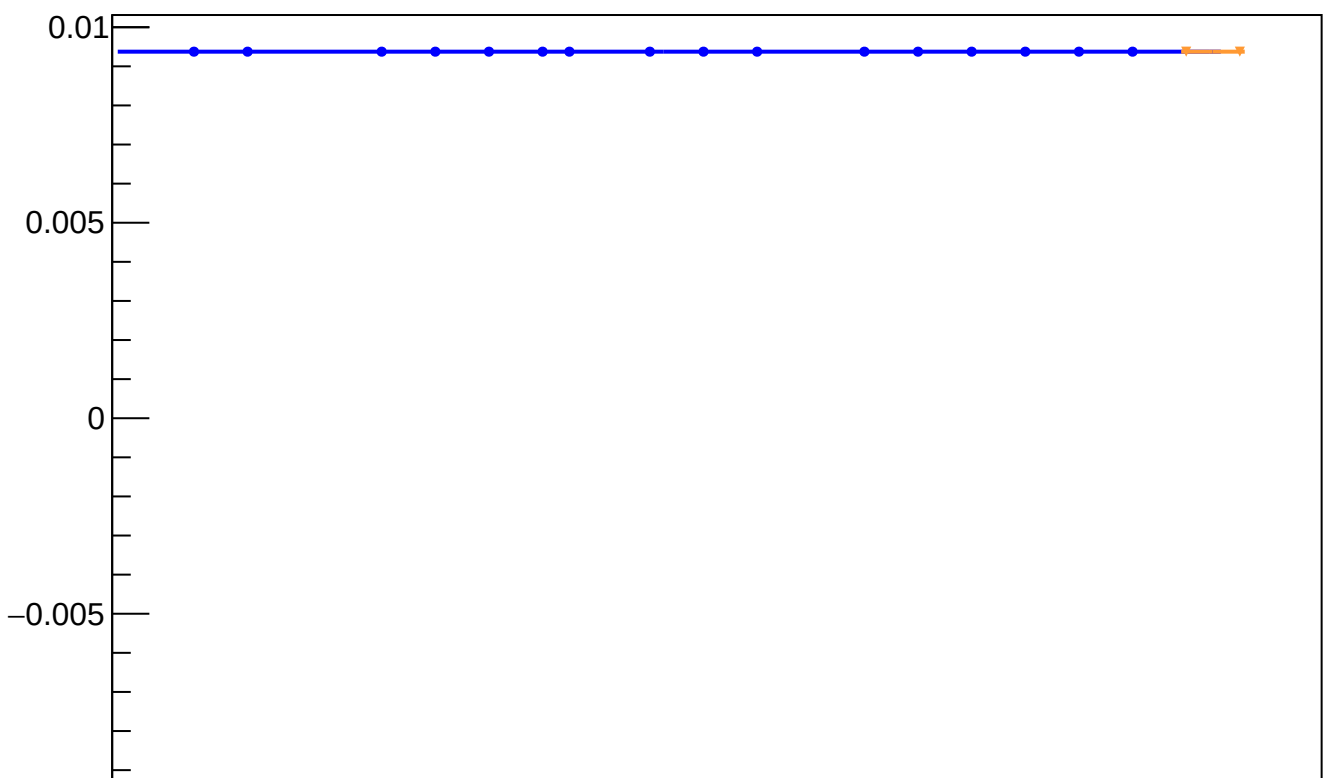
Left: -0.000+/-0.000 χ^2/NDF: 30301630434782509

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.006+/-0.000 χ^2/NDF:502286305147057960

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: -0.000+/-0.000 χ^2/NDF: 1624640853163



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/1

Left: -0.000+/-0.000 χ^2/NDF: 30301630434782509

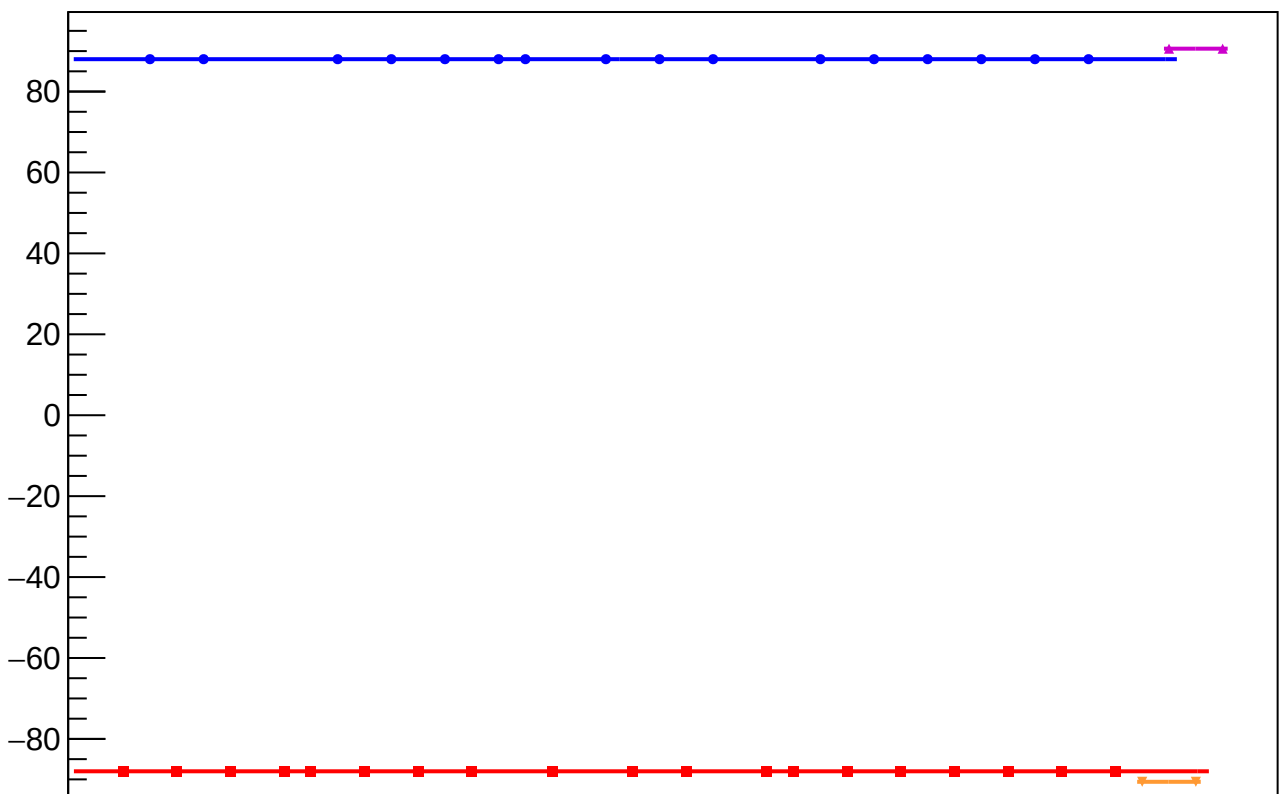
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.006+/-0.000 χ^2/NDF:502286305147057960

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: -0.000+/-0.000 χ^2/NDF: 1624640853163

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:70278.0/1

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:185994.5/1

Left: 2.363+/-0.000 χ^2/NDF: 282991309475304641

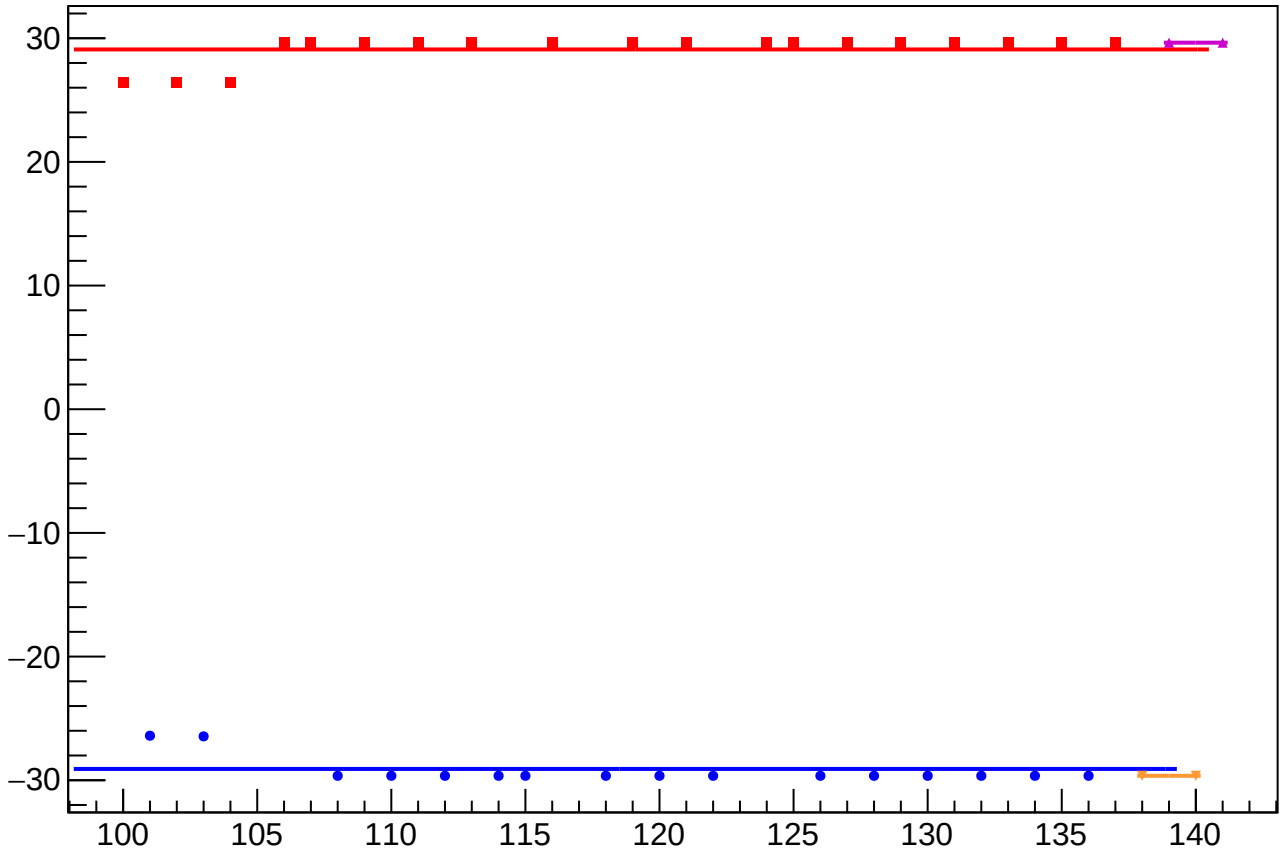
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 88.502+/-0.000 χ^2/NDF:964773958393733590

Out: -88.472+/-0.000 χ^2/NDF:9278783146798677

All: -0.607+/-0.000 χ^2/NDF: 1447868383550

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:2120.5/1

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: 29.641+/-0.000 χ^2/NDF:5414.7/1

Left: 0.773+/-0.000 χ^2/NDF: 3029008189443585 70

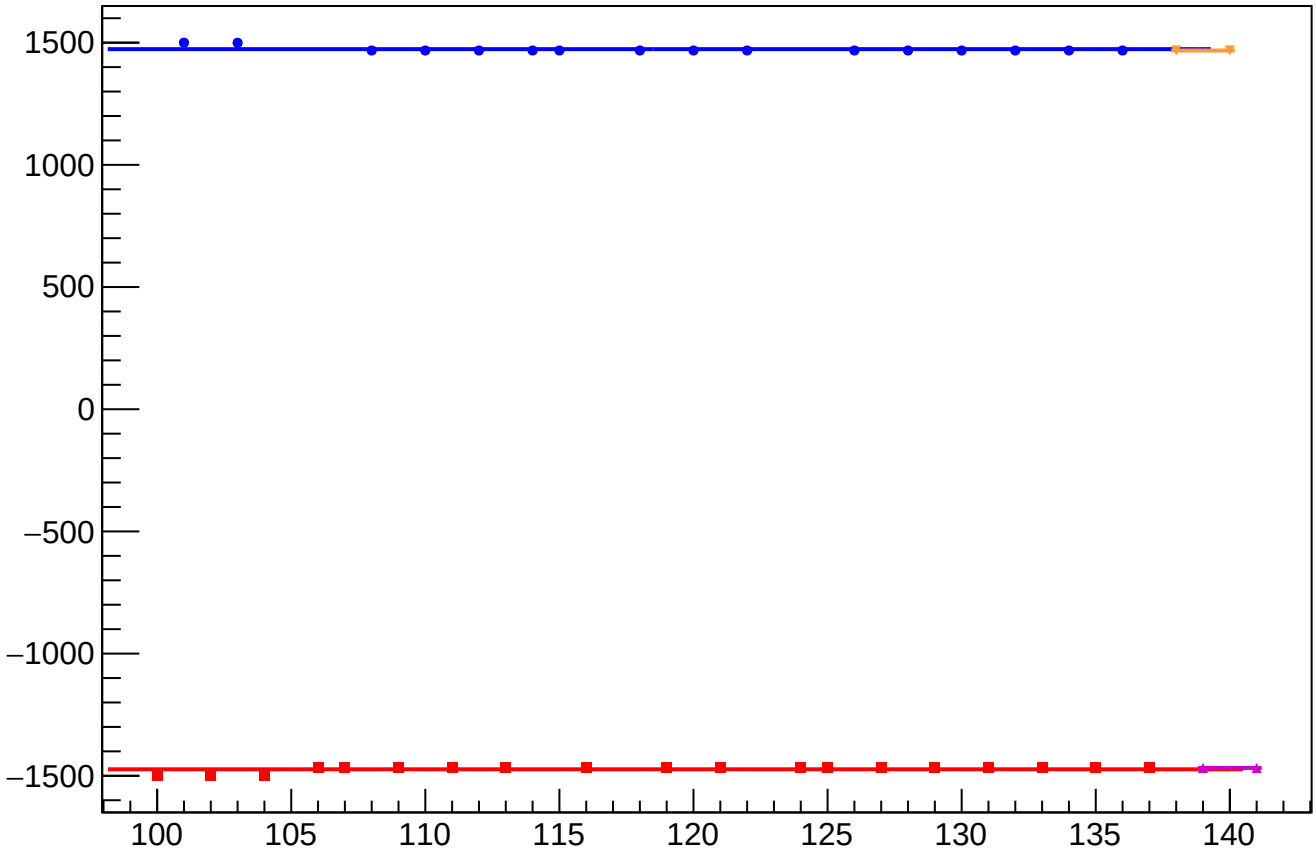
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: -17.762+/-0.000 χ^2/NDF:4938268038702974 4

Out: 18.494+/-0.000 χ^2/NDF:476085958339836 85

All: 0.493+/-0.000 χ^2/NDF: 157753477375 52

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477 1584.0/15

Left Out: 1467.979+/-0.000 χ^2/NDF:55679595.0/1

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.979+/-0.000 χ^2/NDF:4807987.3/1

Left: -38.295+/-0.000 χ^2/NDF: 7429563616529907

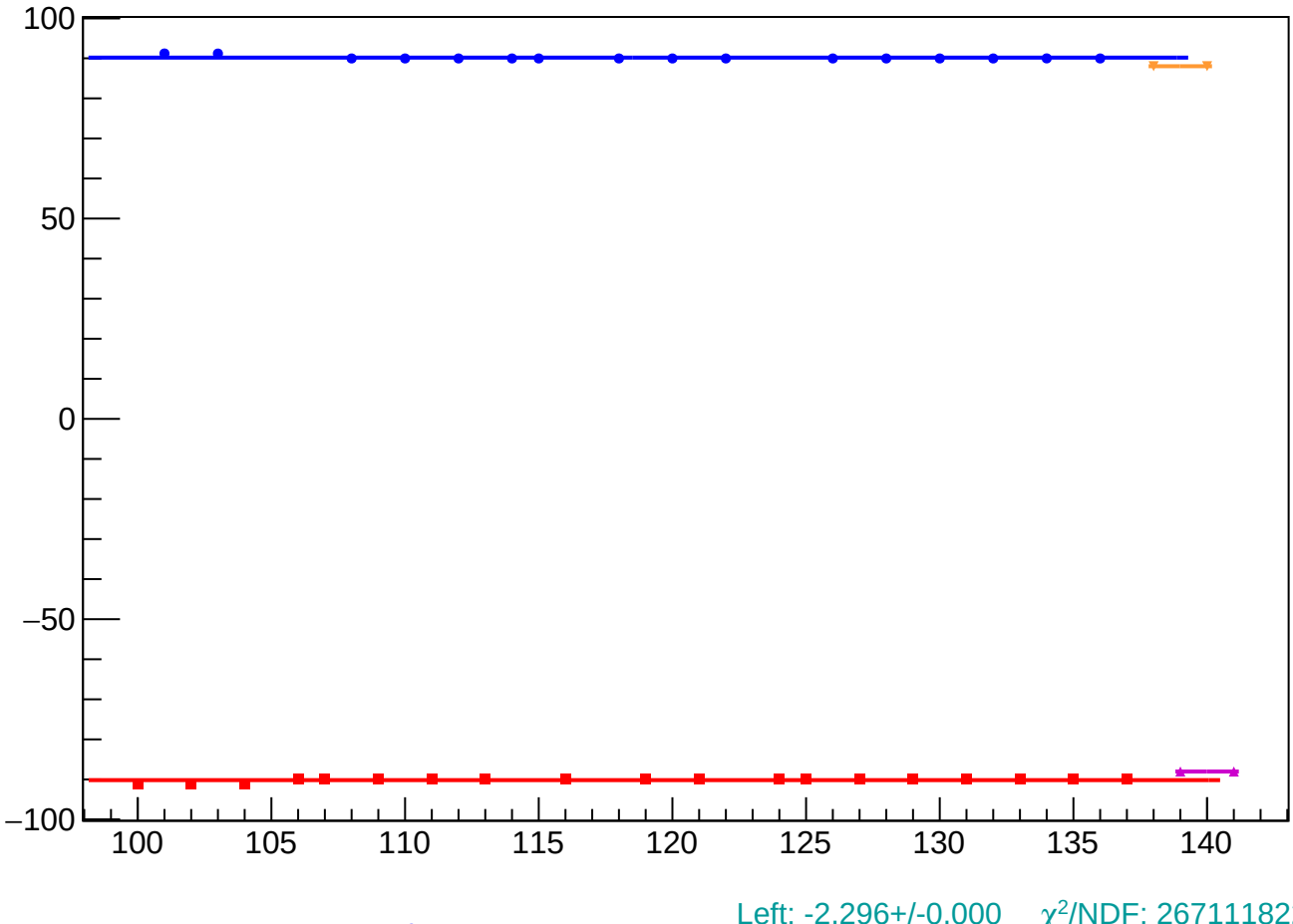
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: 906.326+/-0.000 χ^2/NDF:12362557531196480

Out: -942.619+/-0.000 χ^2/NDF:119130851177050

All: -24.647+/-0.000 χ^2/NDF: 400773275798

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:33927.3/1

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:92088.5/1

Left: -2.296+/-0.000 χ^2/NDF: 26711182295121794

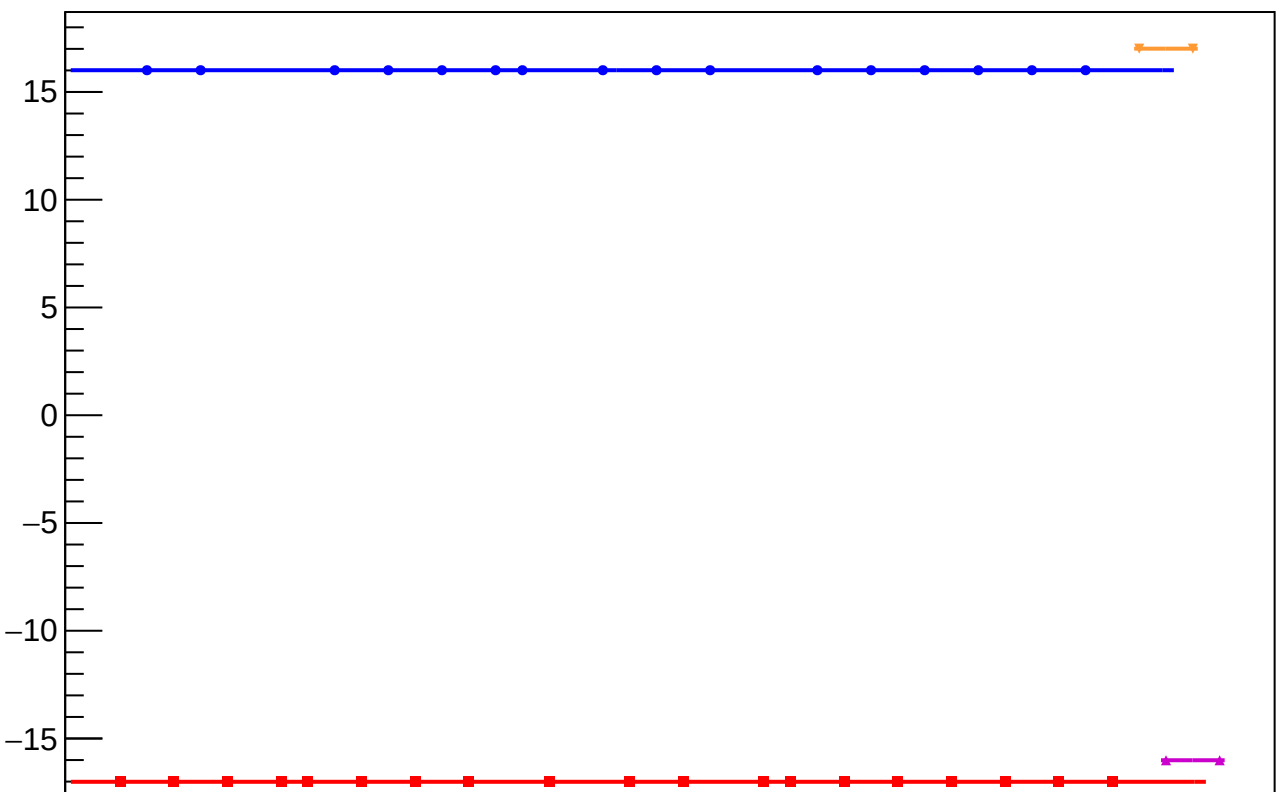
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 55.815+/-0.000 χ^2/NDF:453677909650275981

Out: -58.014+/-0.000 χ^2/NDF:4371851908660789

All: -1.500+/-0.000 χ^2/NDF: 1489779195491

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:153600859144583202734 08.0/1

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:984.5/1

Left: -0.190+/-0.000 χ^2/NDF: 84617021896543185

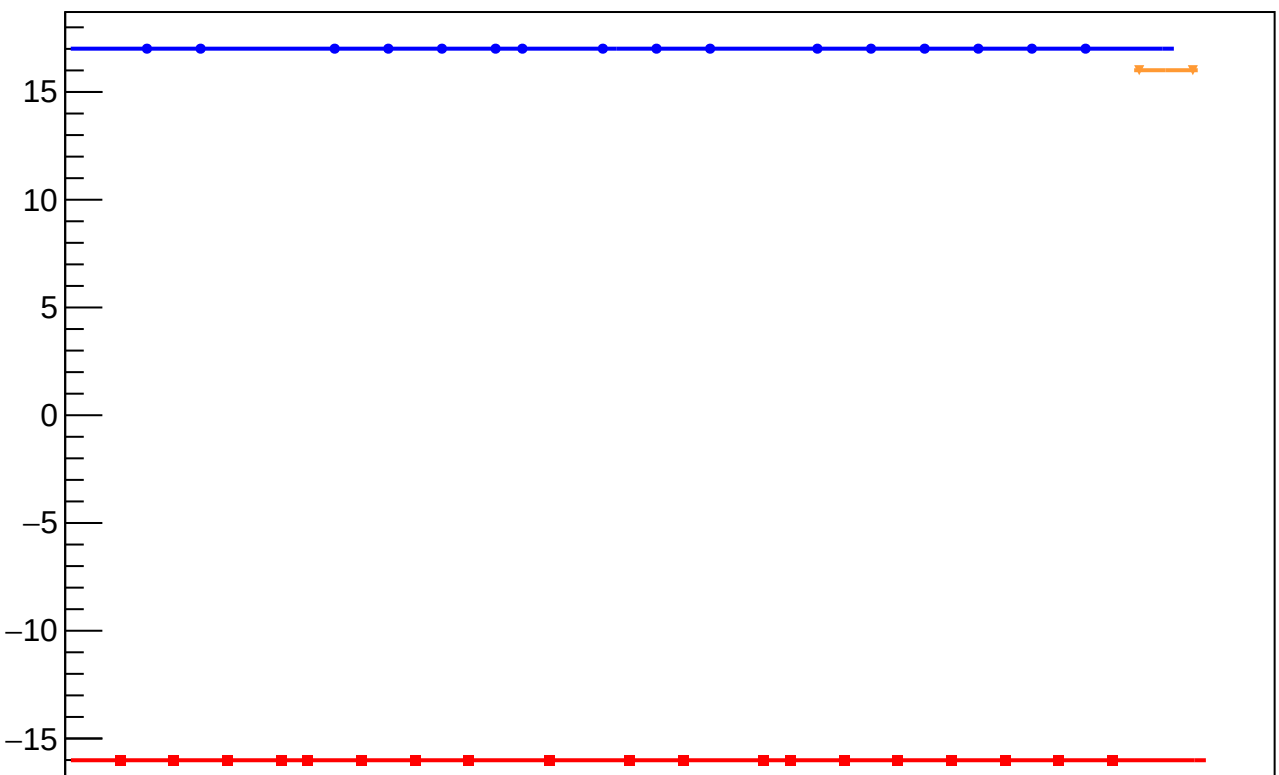
Right: -0.393+/-0.000 χ^2/NDF: 3802025477299216

In: 10.006+/-0.000 χ^2/NDF:134941996274414309

Out: -10.989+/-0.000 χ^2/NDF:1419180150189472

All: -0.356+/-0.000 χ^2/NDF: 4648300761820

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:10905.2/1

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:1173.8/1

Left: -0.931+/-0.000 χ^2/NDF: 93969022475543447

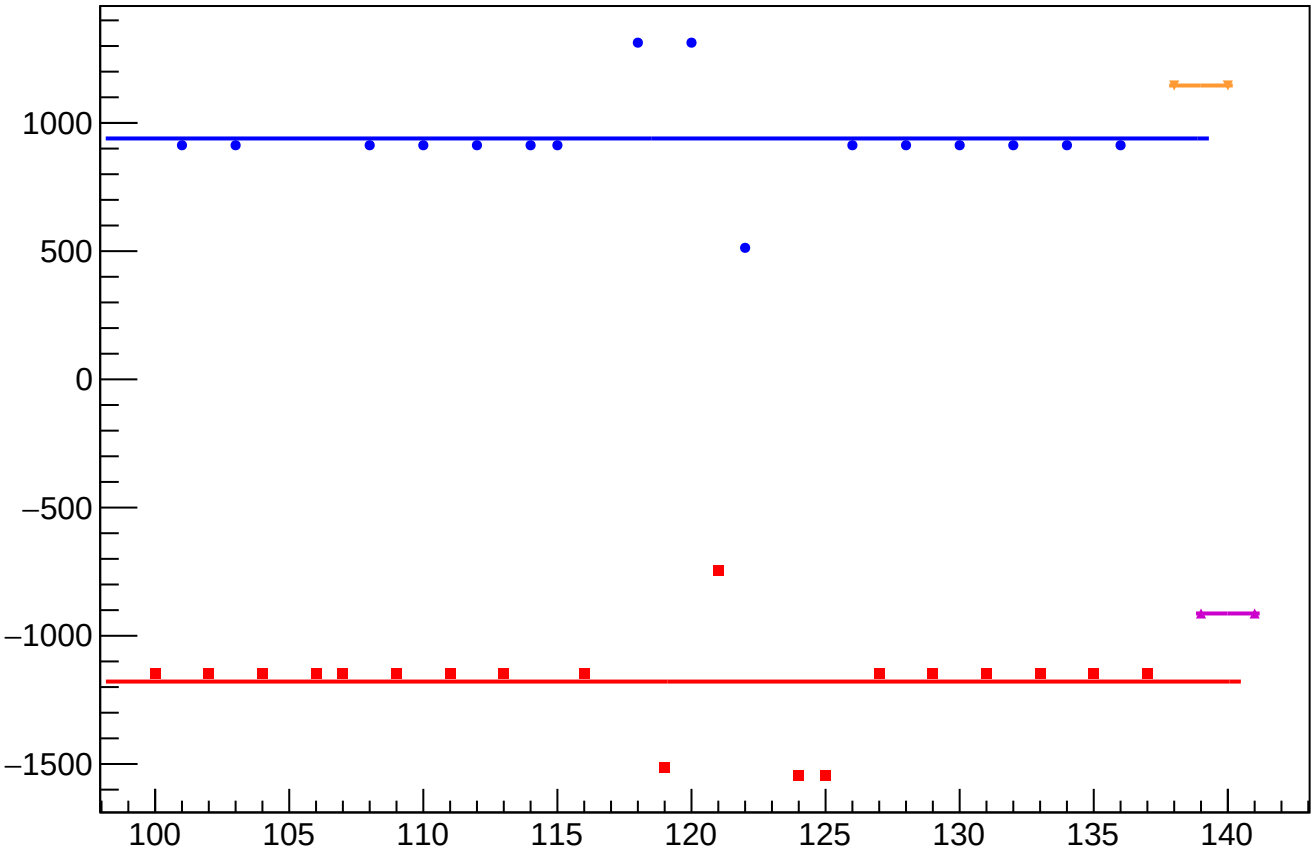
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: 10.198+/-0.000 χ^2/NDF:163823846401786931

Out: -10.207+/-0.000 χ^2/NDF:1410197920479371

All: -0.247+/-0.000 χ^2/NDF: 4932379146560

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 89.655+/-0.000 χ^2/NDF: 36540793490910285

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.014+/-0.000 χ^2/NDF:3341501579752389817768345 6.0/1

In: 582.277+/-0.000 χ^2/NDF:5113532272109633

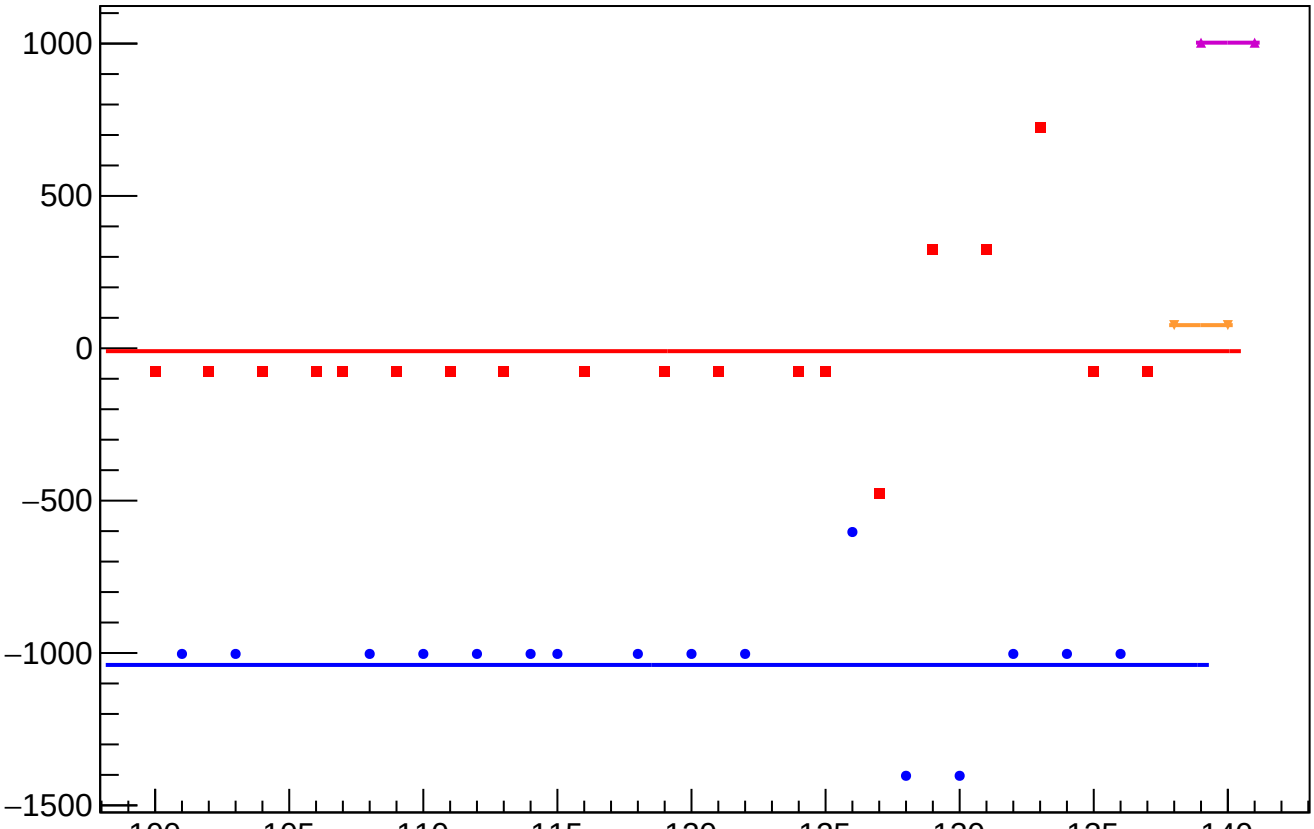
Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: -759.050+/-0.000 χ^2/NDF:766106492910815

Left In: -912.991+/-0.000 χ^2/NDF:13034010827765902905180 16.0/1

All: -93.102+/-0.000 χ^2/NDF: 21090788412 0

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 551.591+/-0.000 χ^2/NDF: 7406361387516645

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.010+/-0.000 χ^2/NDF:1115257167352722596089036 8.0/1

In: -645.409+/-0.000 χ^2/NDF:6187009880569457

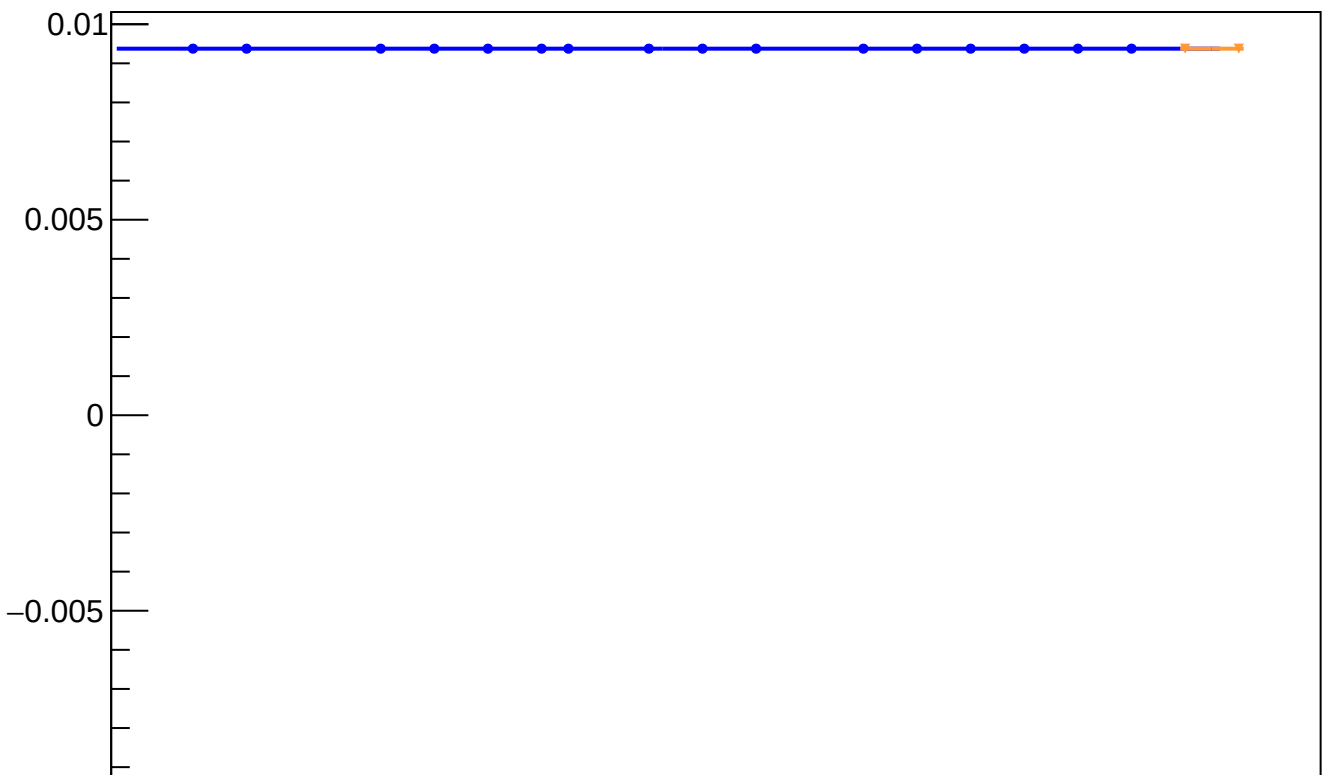
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515 40992.0/18

Out: 5.988+/-0.000 χ^2/NDF:47062476186589823 8

Left In: 1002.990+/-0.000 χ^2/NDF:870170115747075565698416 64.0/1

All: -317.421+/-0.000 χ^2/NDF: 8618948748 8

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/1

Left: -0.000+/-0.000 χ^2/NDF: 30301630434782509

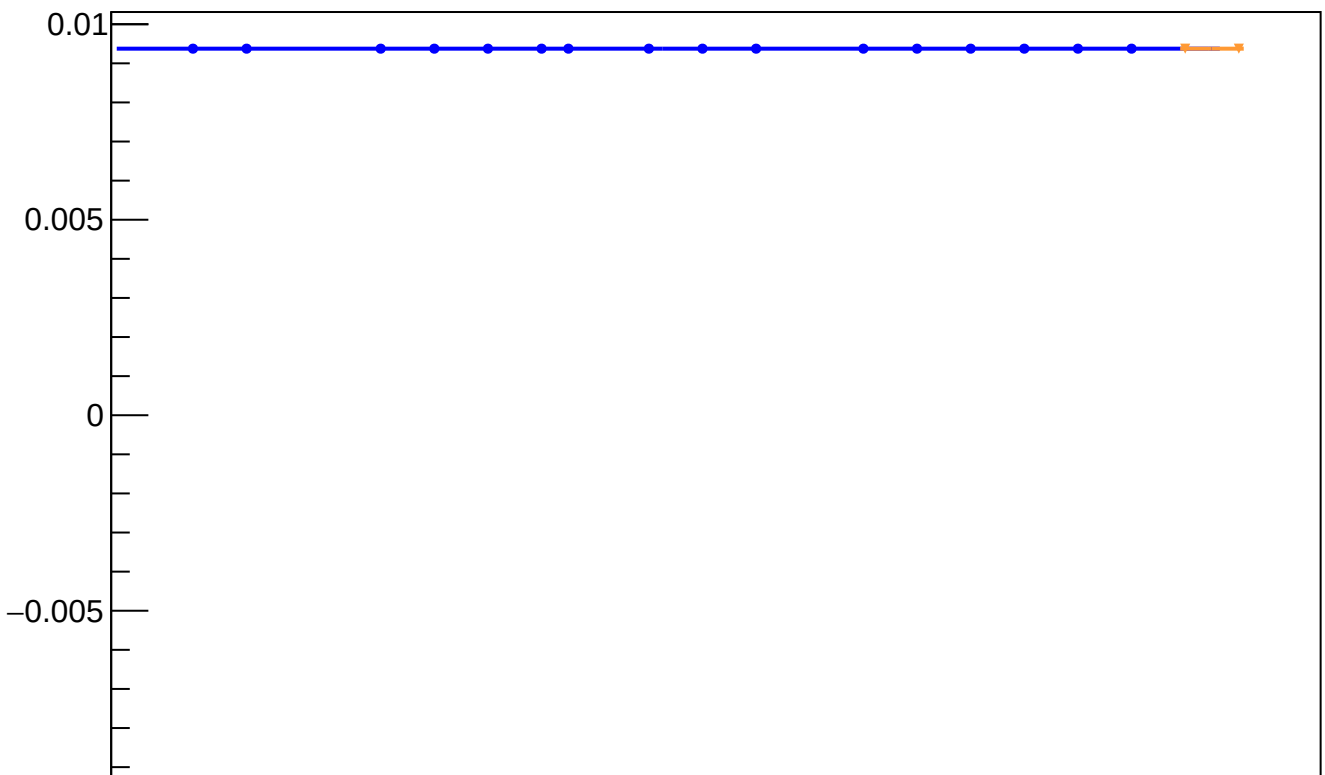
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.006+/-0.000 χ^2/NDF:502286305147057960

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: -0.000+/-0.000 χ^2/NDF: 1624640853163

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/1

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/1

Left: -0.000+/-0.000 χ^2/NDF: 30301630434782509

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.006+/-0.000 χ^2/NDF:502286305147057960

Out: -0.006+/-0.000 χ^2/NDF:48404605263157808

All: -0.000+/-0.000 χ^2/NDF: 1624640853163